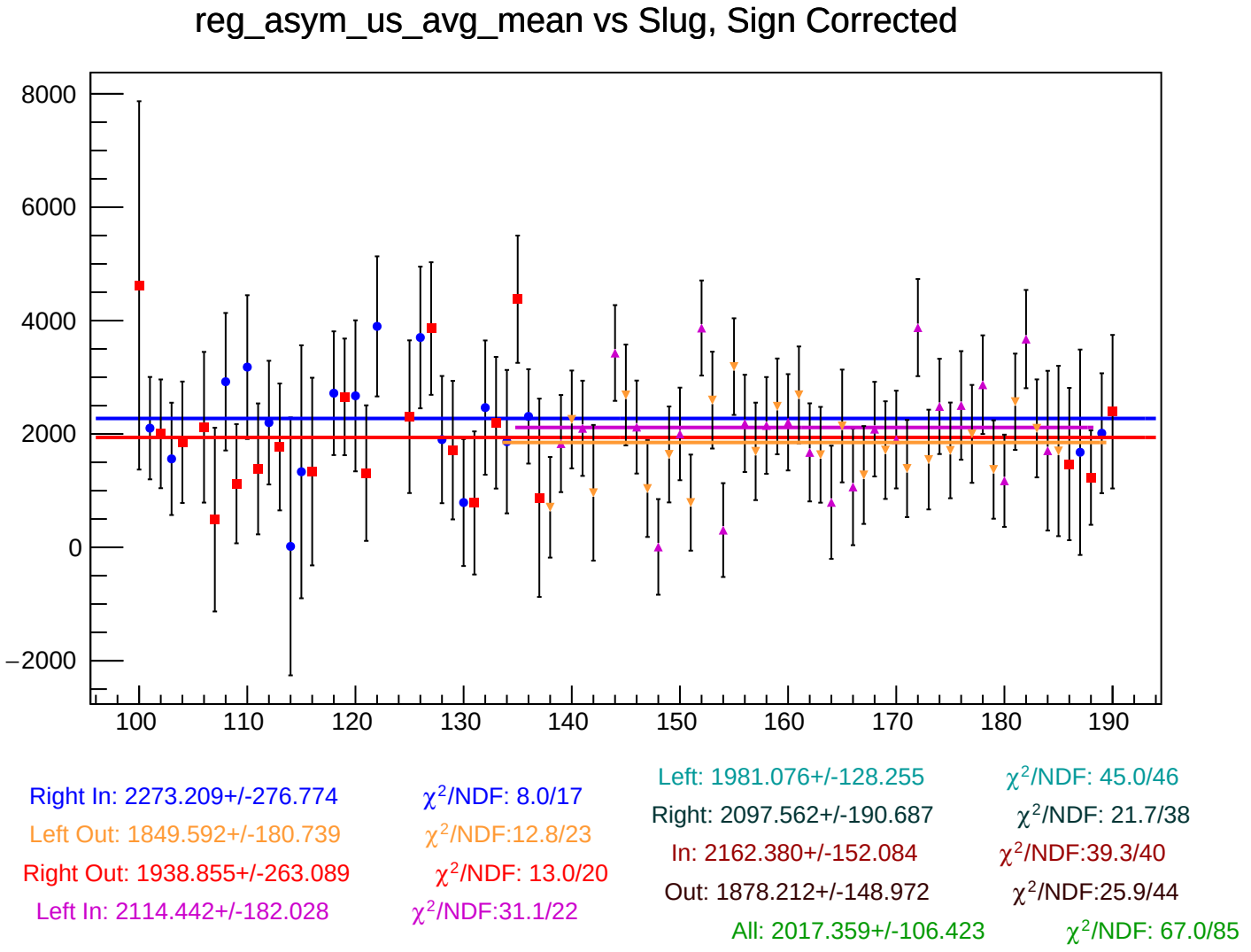
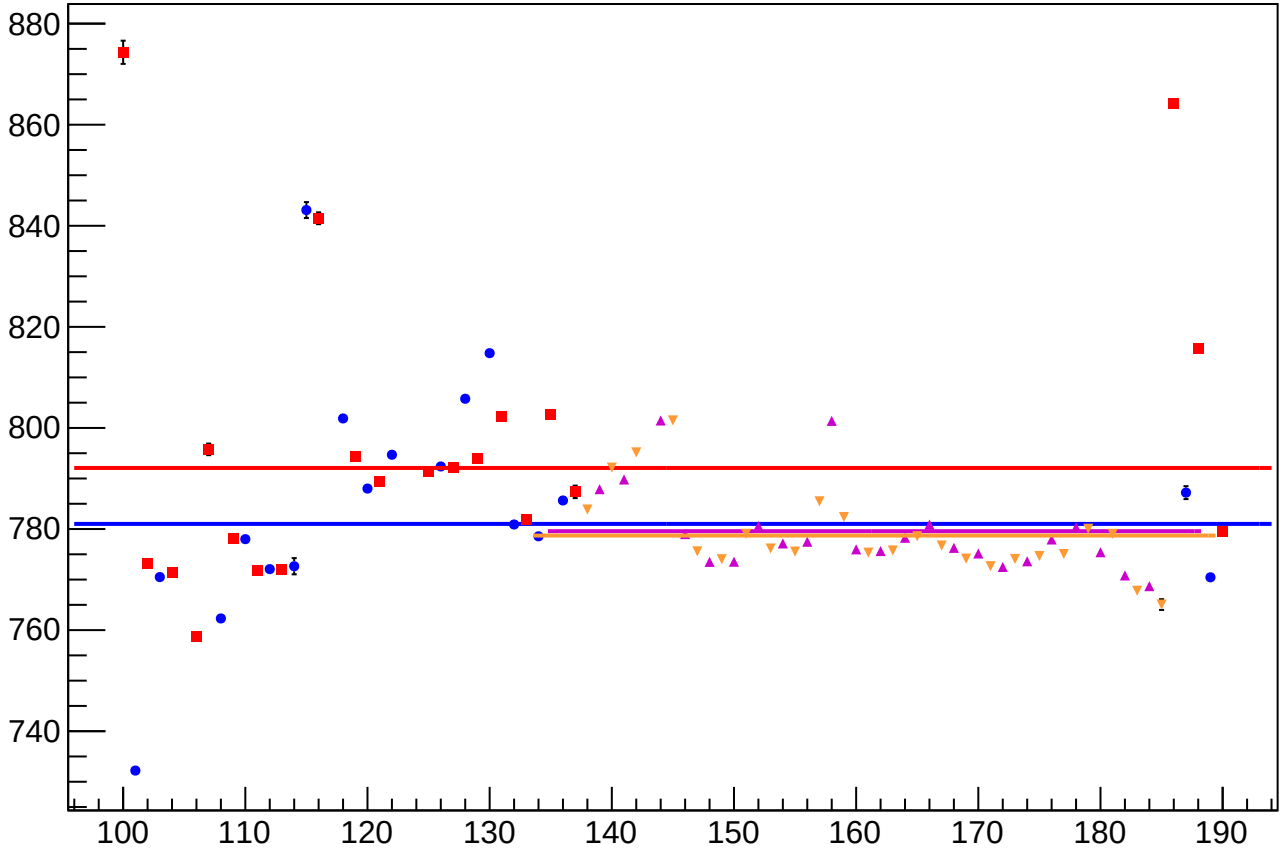

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 2273.209+/-276.774
χ²/NDF: 8.0/17
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 1938.855+/-263.089
χ²/NDF: 13.0/20
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2097.562+/-190.687
χ²/NDF: 21.7/38
In: 2162.380+/-152.084
χ²/NDF:39.3/40
Out: 1878.212+/-148.972
χ²/NDF:25.9/44
All: 2017.359+/-106.423
χ²/NDF: 67.0/85

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

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

Right Out: 792.086+/-0.186 χ^2/NDF: 15520.8/20

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

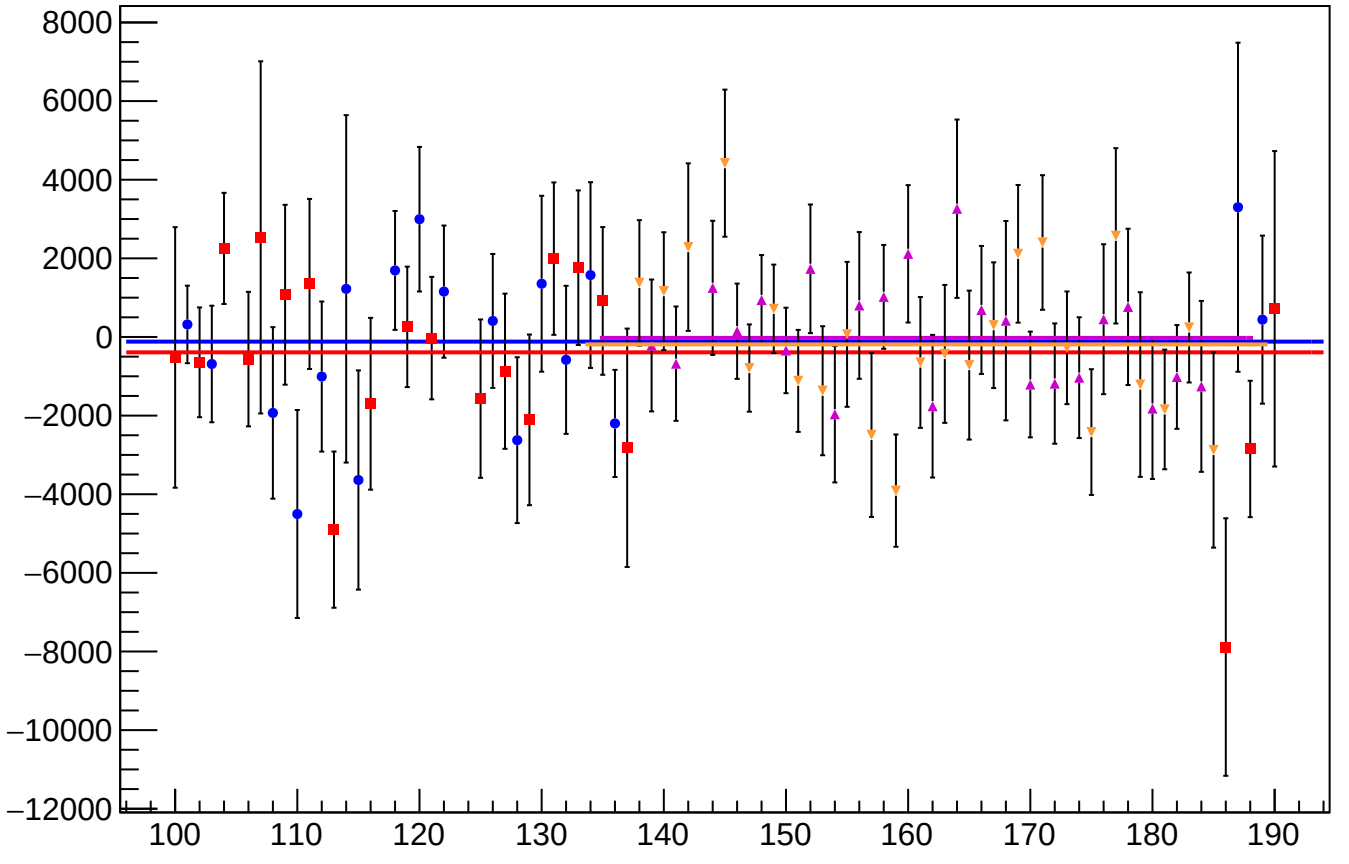
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 786.831+/-0.135 χ^2/NDF: 29753.1/38

In: 780.010+/-0.108 χ^2/NDF:16762.4/40

Out: 782.998+/-0.105 χ^2/NDF:22423.5/44

All: 781.535+/-0.075 χ^2/NDF: 39579.8/85



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

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

Right Out: -390.610+/-433.468 χ^2/NDF: 23.0/20

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

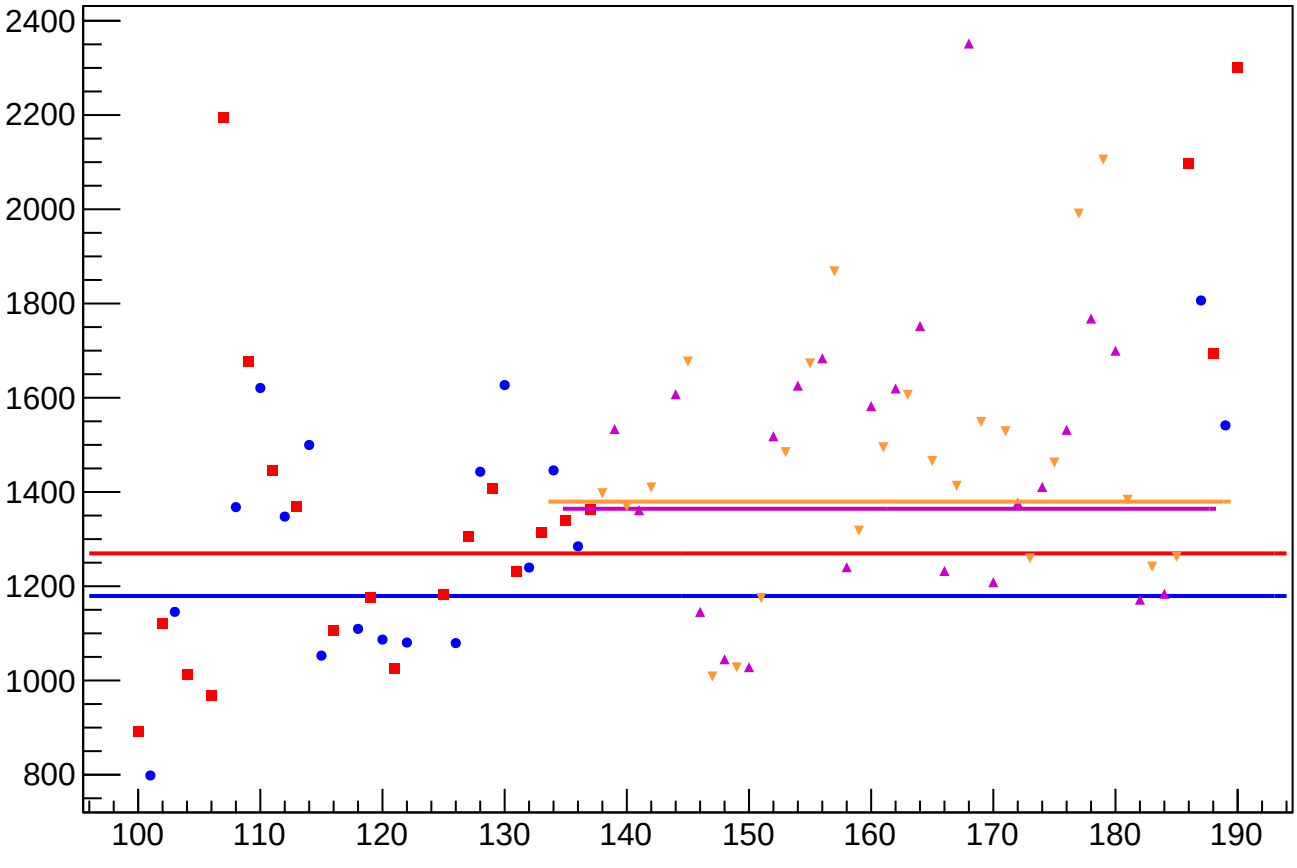
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -253.130+/-305.062 χ^2/NDF: 39.3/38

In: -58.263+/-259.554 χ^2/NDF:29.6/40

Out: -262.318+/-261.393 χ^2/NDF:52.7/44

All: -159.570+/-184.179 χ^2/NDF: 82.6/85



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

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

Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

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

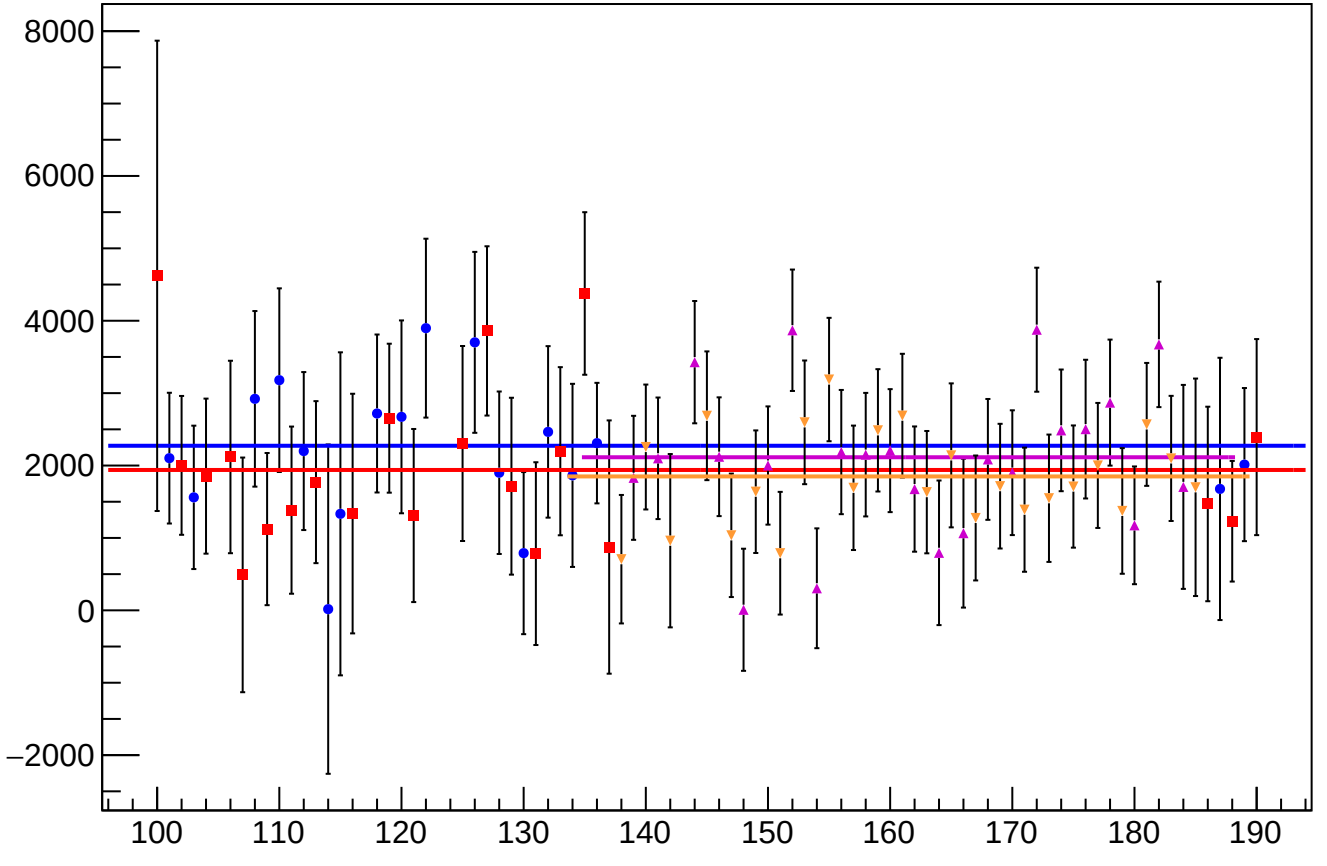
Right: 1224.083+/-0.216 χ^2/NDF: 1531351.9/38

In: 1296.783+/-0.184 χ^2/NDF:2224751.5/40

Out: 1339.599+/-0.185 χ^2/NDF:2051024.0/44

All: 1318.040+/-0.130 χ^2/NDF: 4302795.5/85

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

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

Right Out: 1938.855+/-263.089 χ^2/NDF: 13.0/20

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

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

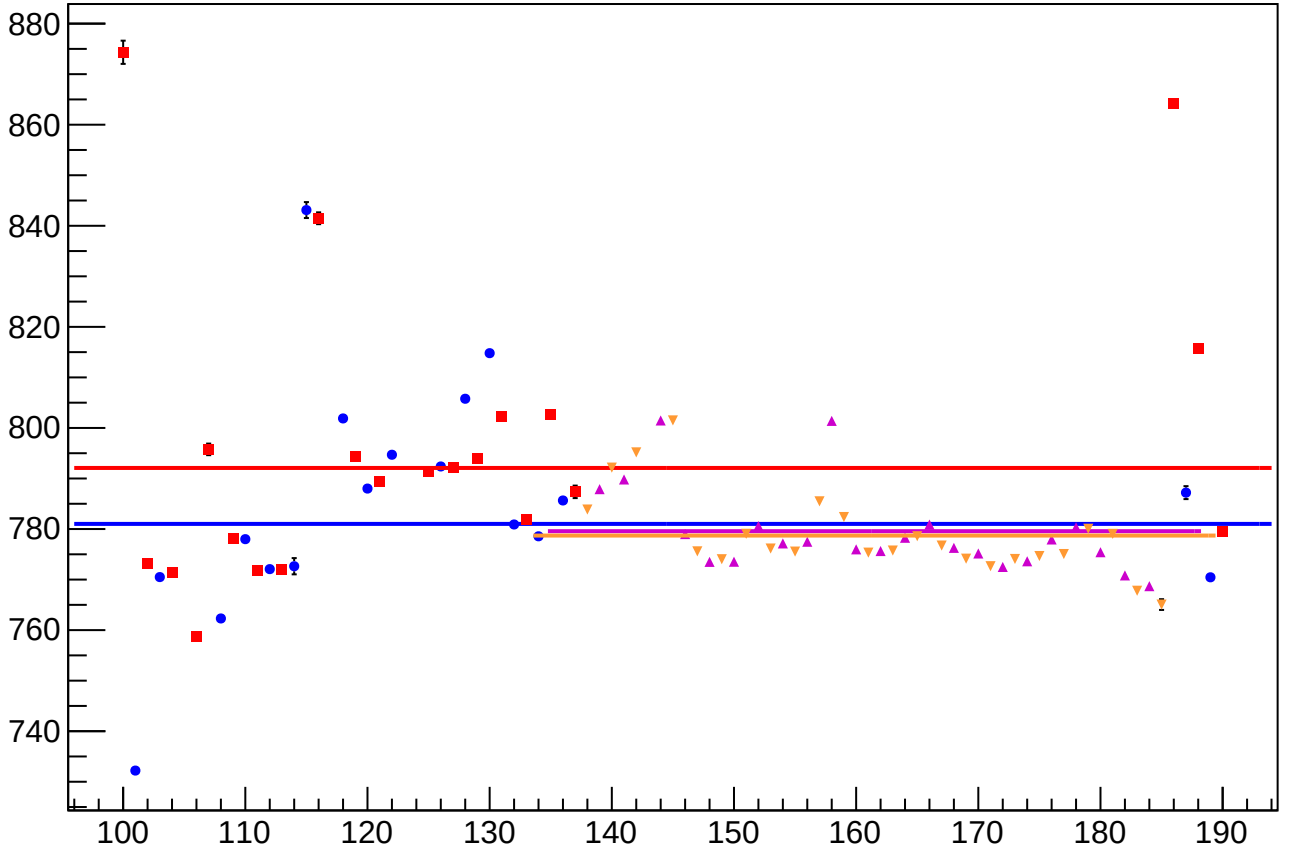
Right: 2097.562+/-190.687 χ^2/NDF: 21.7/38

In: 2162.380+/-152.084 χ^2/NDF:39.3/40

Out: 1878.212+/-148.972 χ^2/NDF:25.9/44

All: 2017.359+/-106.423 χ^2/NDF: 67.0/85

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

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

Right Out: 792.086+/-0.186 χ^2/NDF: 15520.8/20

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

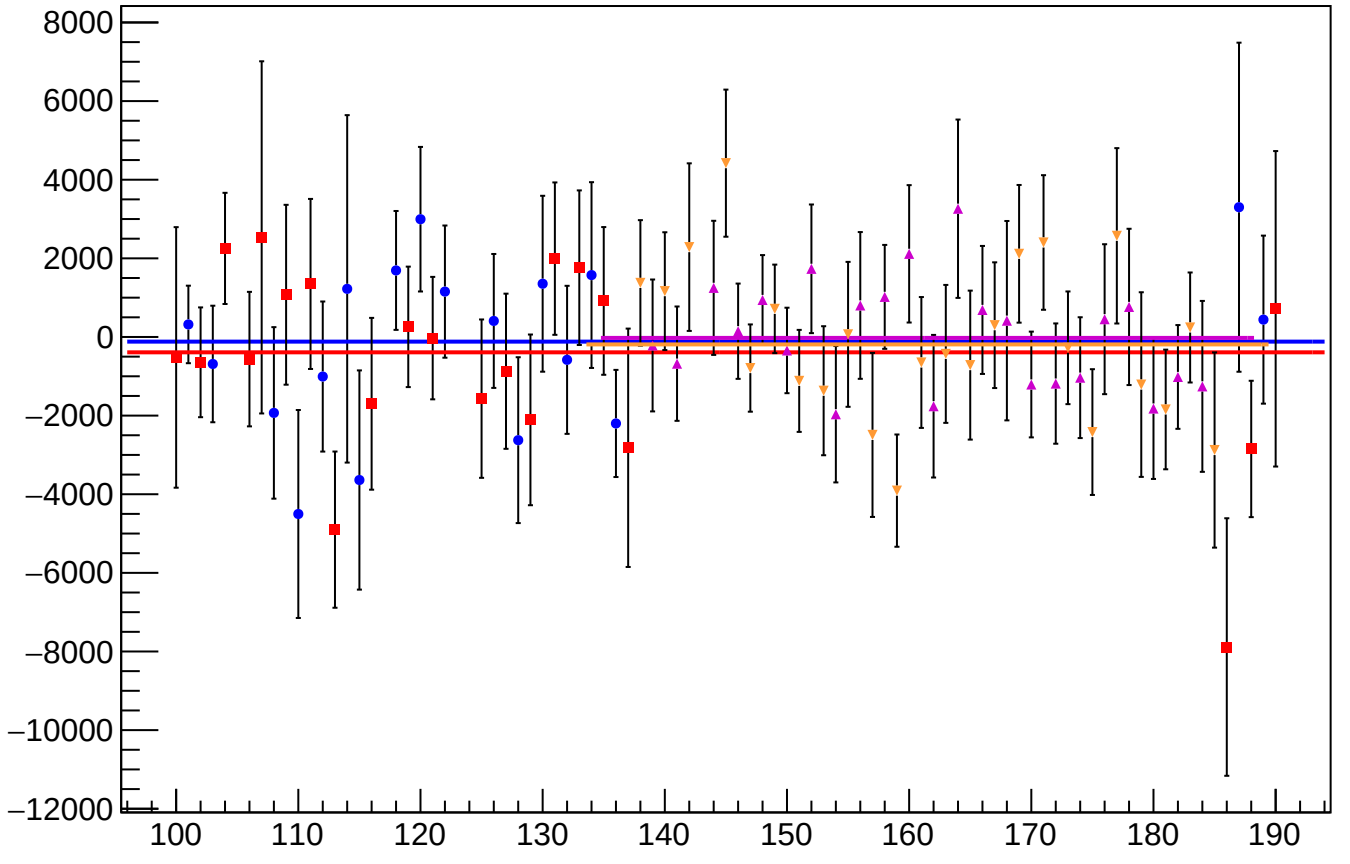
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 786.831+/-0.135 χ^2/NDF: 29753.1/38

In: 780.010+/-0.108 χ^2/NDF:16762.4/40

Out: 782.998+/-0.105 χ^2/NDF:22423.5/44

All: 781.535+/-0.075 χ^2/NDF: 39579.8/85



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

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

Right Out: -390.610+/-433.468 χ^2/NDF: 23.0/20

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

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

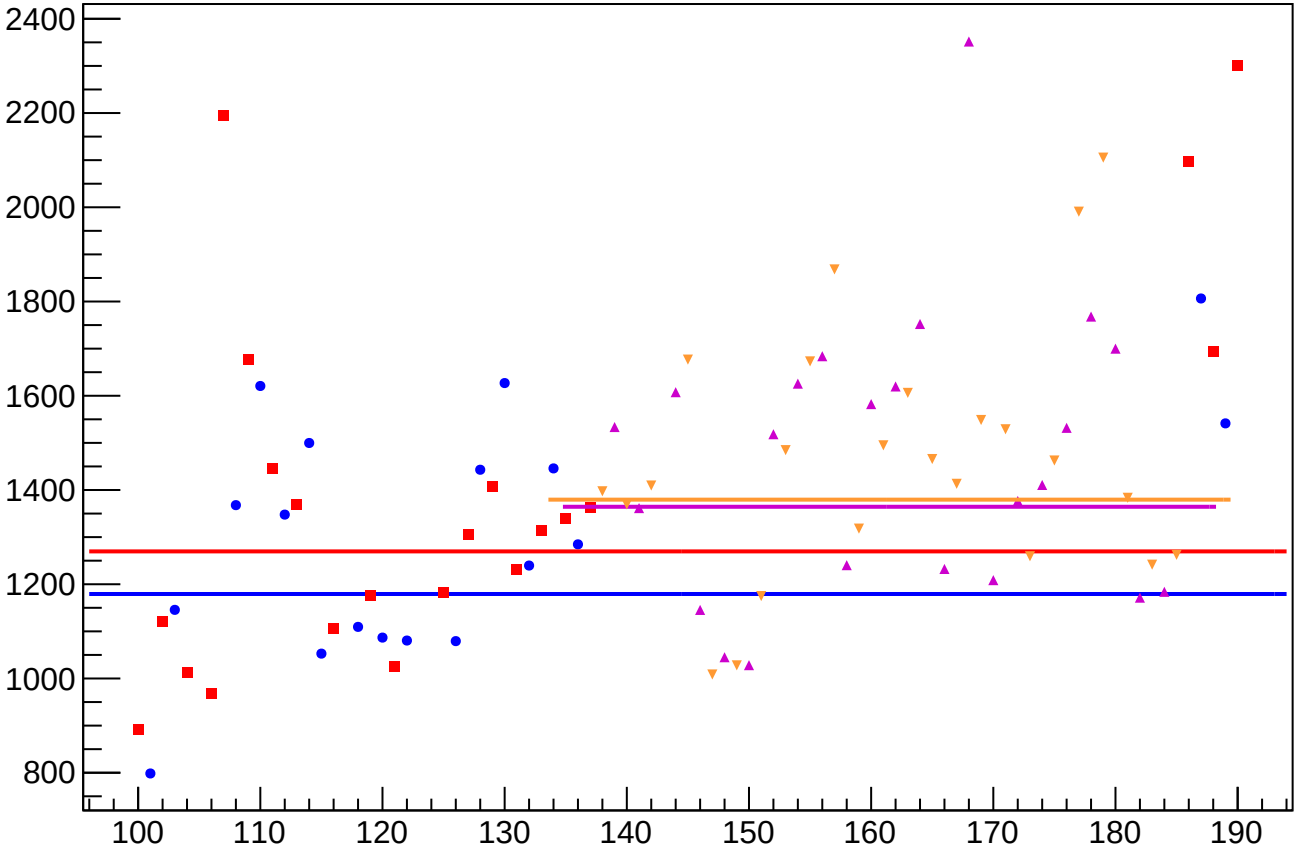
Right: -253.130+/-305.062 χ^2/NDF: 39.3/38

In: -58.263+/-259.554 χ^2/NDF:29.6/40

Out: -262.318+/-261.393 χ^2/NDF:52.7/44

All: -159.570+/-184.179 χ^2/NDF: 82.6/85

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

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

Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

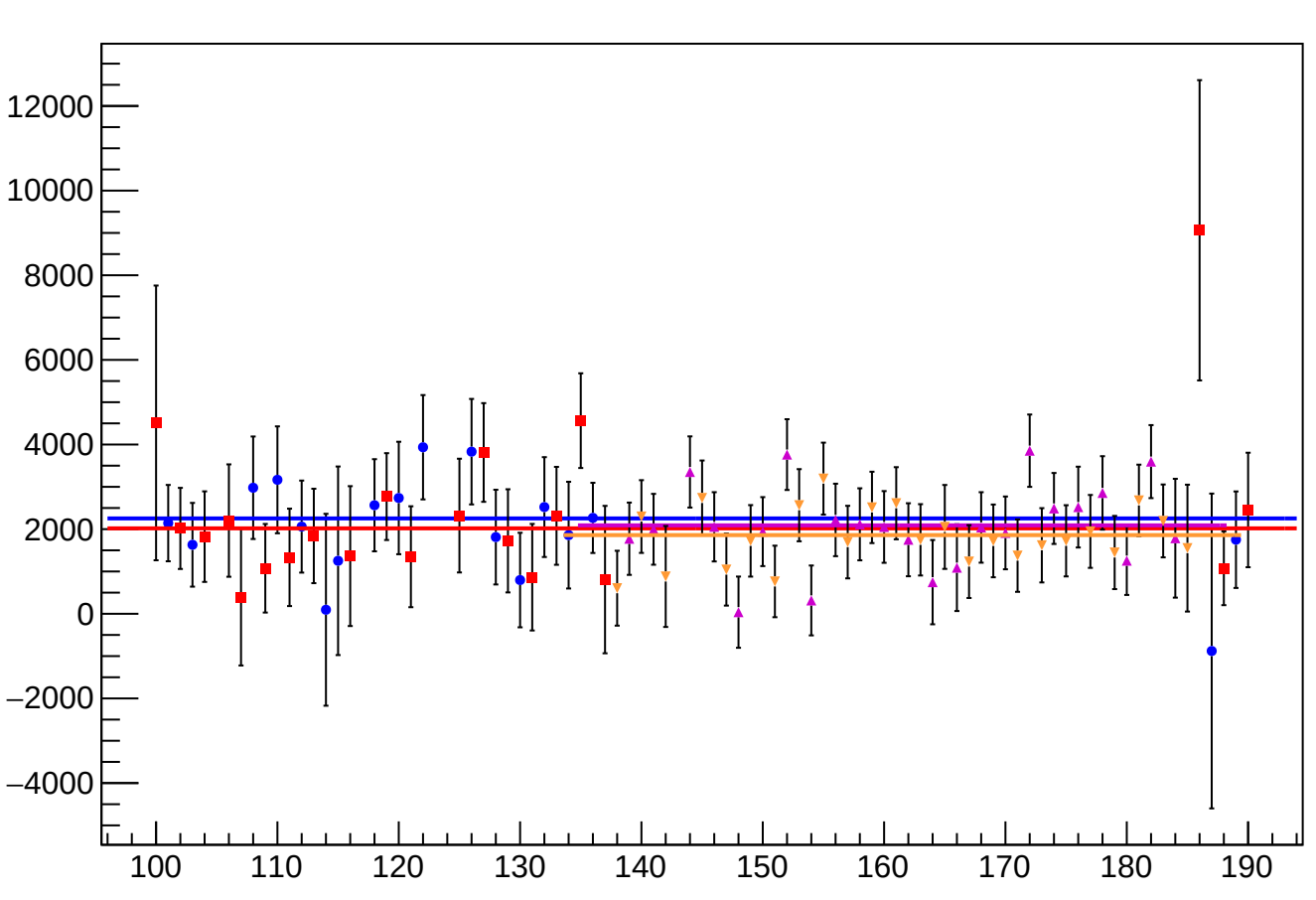
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1224.083+/-0.216 χ^2/NDF: 1531351.9/38

In: 1296.783+/-0.184 χ^2/NDF:2224751.5/40

Out: 1339.599+/-0.185 χ^2/NDF:2051024.0/44

All: 1318.040+/-0.130 χ^2/NDF: 4302795.5/85



Right In: 2253.415+/-279.988 χ^2/NDF: 9.0/17

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

Right Out: 2018.784+/-268.170 χ^2/NDF: 18.1/20

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

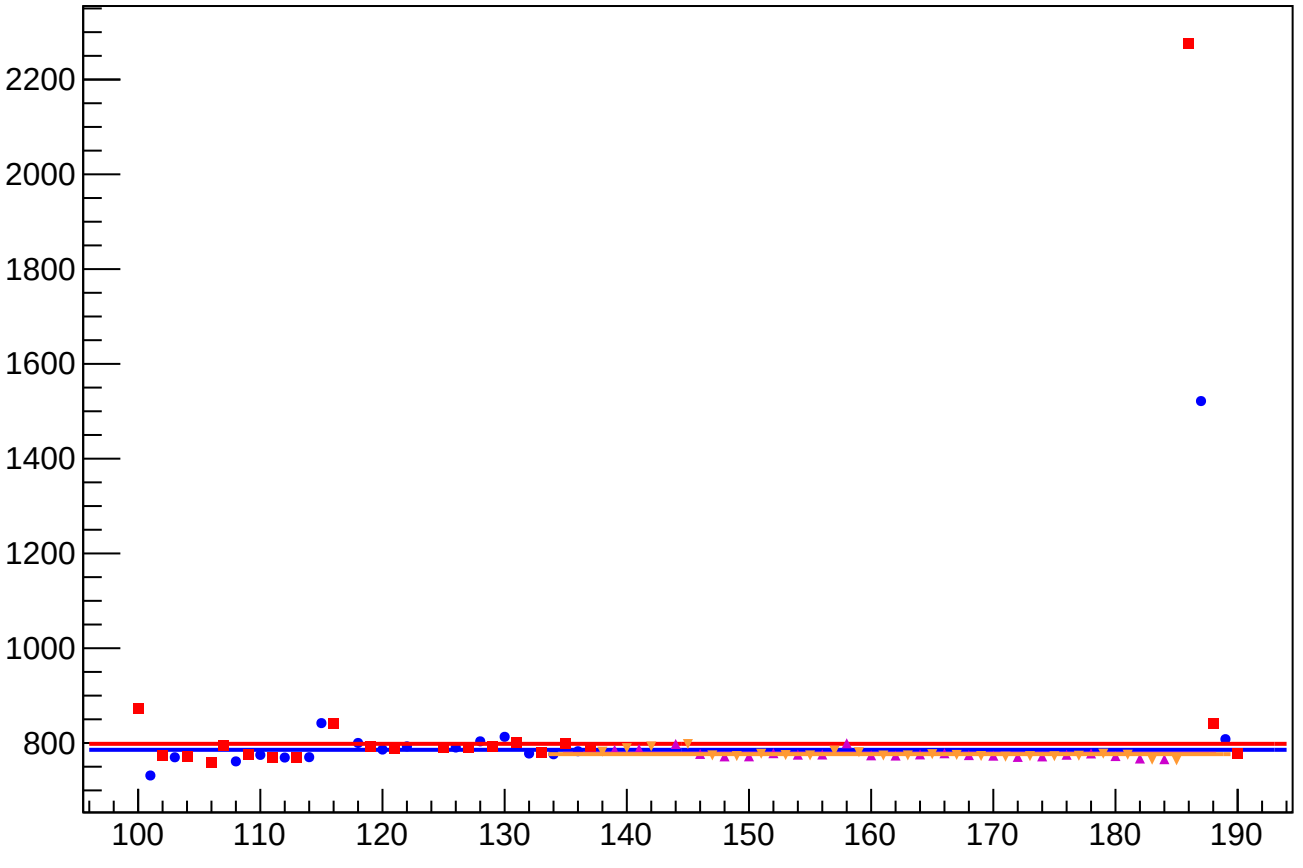
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2131.043+/-193.668 χ^2/NDF: 27.5/38

In: 2138.003+/-152.313 χ^2/NDF:38.9/40

Out: 1909.080+/-149.586 χ^2/NDF:31.9/44

All: 2021.474+/-106.725 χ^2/NDF: 71.9/85



Right In: 785.619+/-0.198 χ^2/NDF: 91960.6/17

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

Right Out: 798.259+/-0.190 χ^2/NDF: 363743.6/20

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

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

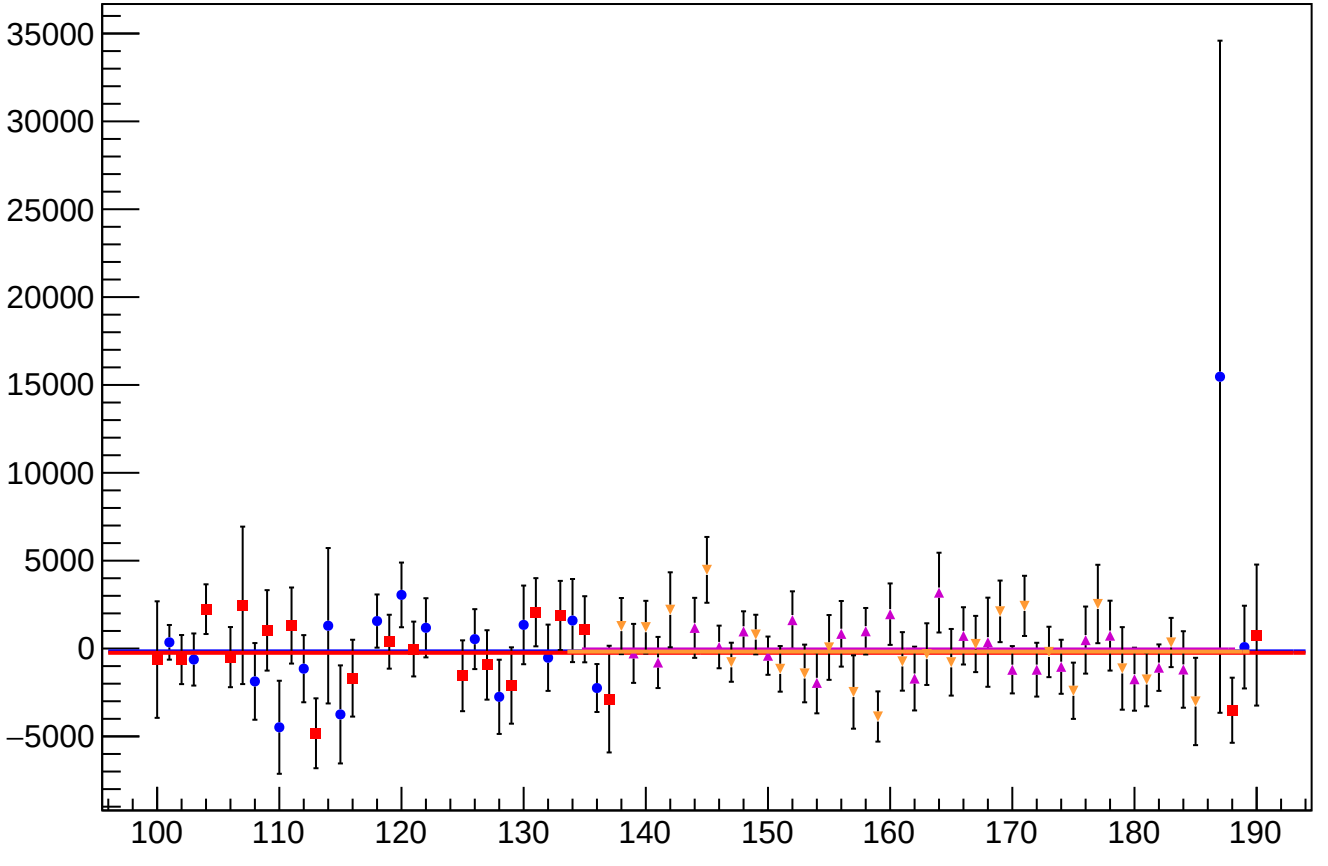
Right: 792.211+/-0.137 χ^2/NDF: 457830.0/38

In: 779.841+/-0.108 χ^2/NDF:97232.3/40

Out: 783.286+/-0.106 χ^2/NDF:375931.6/44

All: 781.595+/-0.075 χ^2/NDF: 473684.6/85

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -161.560+/-433.555 χ^2/NDF: 16.4/17

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

Right Out: -242.505+/-439.405 χ^2/NDF: 18.6/19

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

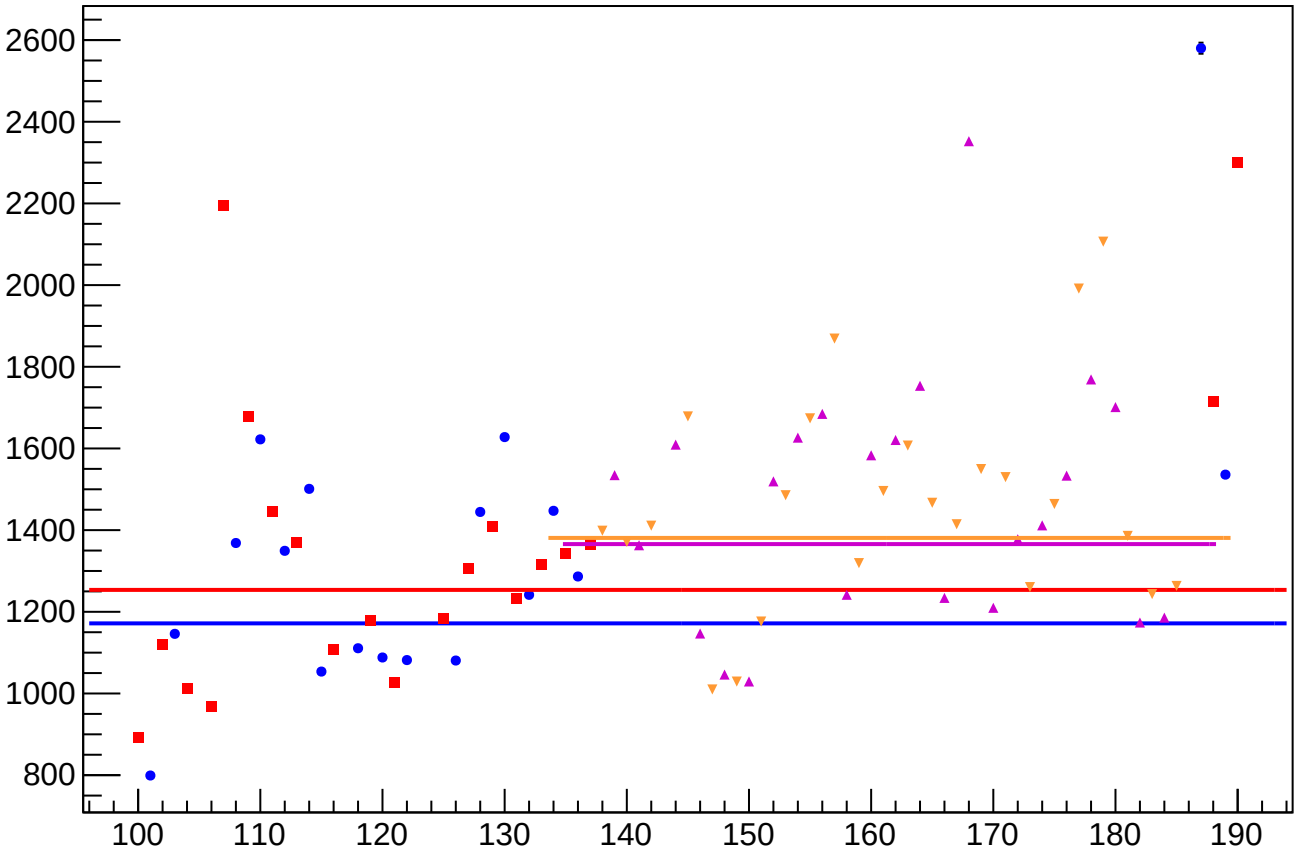
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -201.490+/-308.617 χ^2/NDF: 35.0/37

In: -92.114+/-260.623 χ^2/NDF:29.4/40

Out: -199.110+/-262.841 χ^2/NDF:48.2/43

All: -145.159+/-185.067 χ^2/NDF: 77.7/84



Right In: 1171.677+/-0.307 χ^2/NDF: 629750.3/17

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

Right Out: 1253.649+/-0.311 χ^2/NDF: 674416.0/19

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

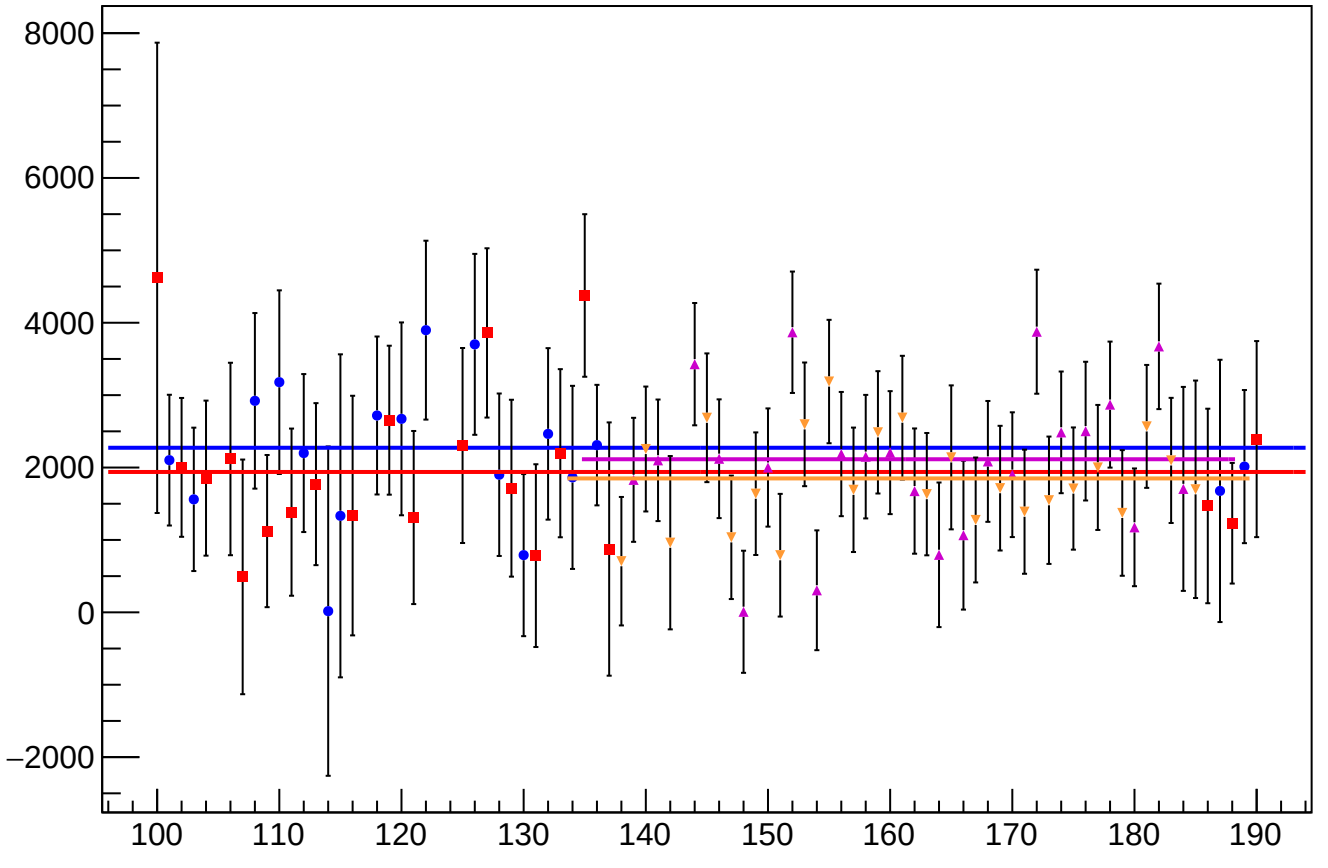
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1212.114+/-0.218 χ^2/NDF: 1339434.0/37

In: 1295.660+/-0.184 χ^2/NDF:2194708.9/40

Out: 1335.401+/-0.186 χ^2/NDF:1937659.6/43

All: 1315.362+/-0.131 χ^2/NDF: 4155423.9/84



Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

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

Right Out: 1938.855+/-263.089 χ^2/NDF: 13.0/20

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

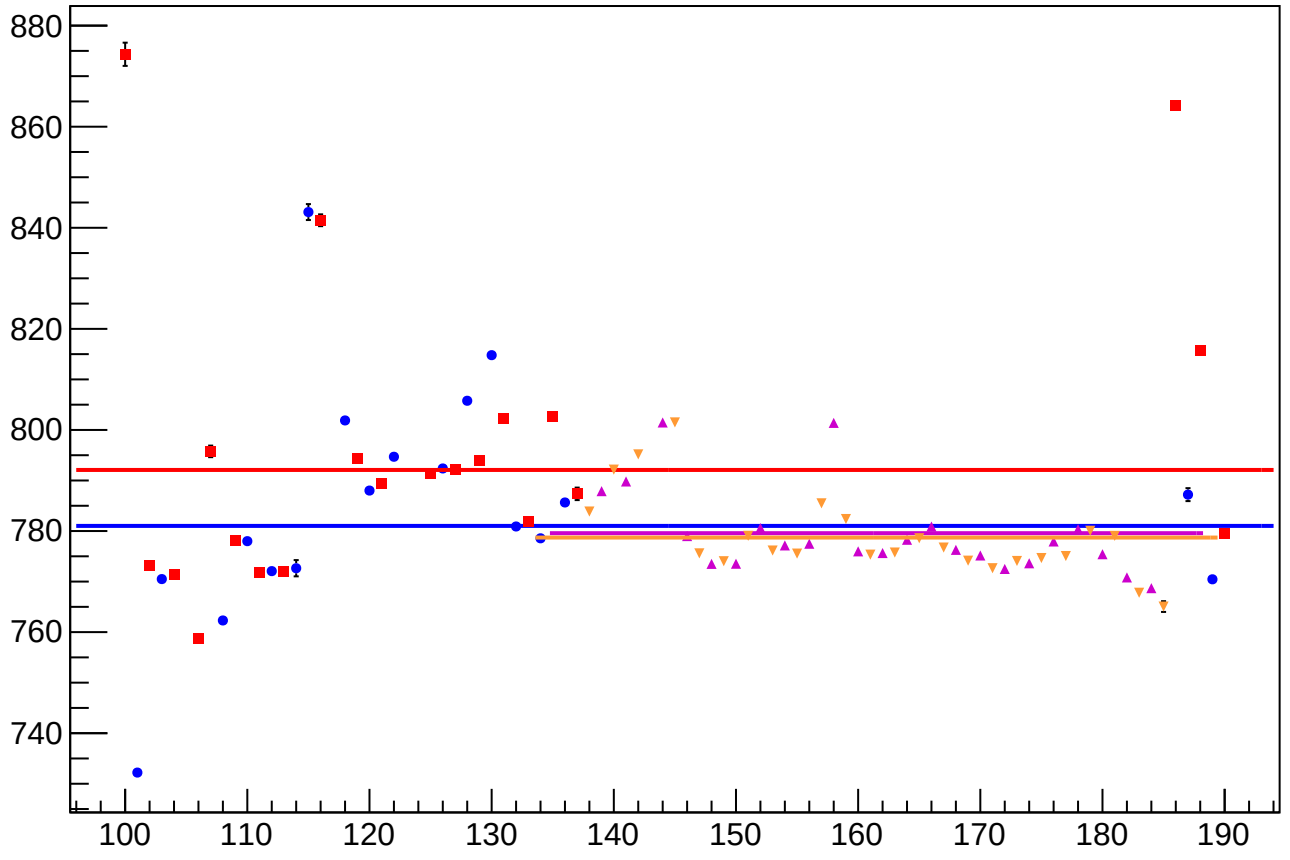
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2097.562+/-190.687 χ^2/NDF: 21.7/38

In: 2162.380+/-152.084 χ^2/NDF:39.3/40

Out: 1878.212+/-148.972 χ^2/NDF:25.9/44

All: 2017.359+/-106.423 χ^2/NDF: 67.0/85



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

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

Right Out: 792.086+/-0.186 χ^2/NDF: 15520.8/20

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

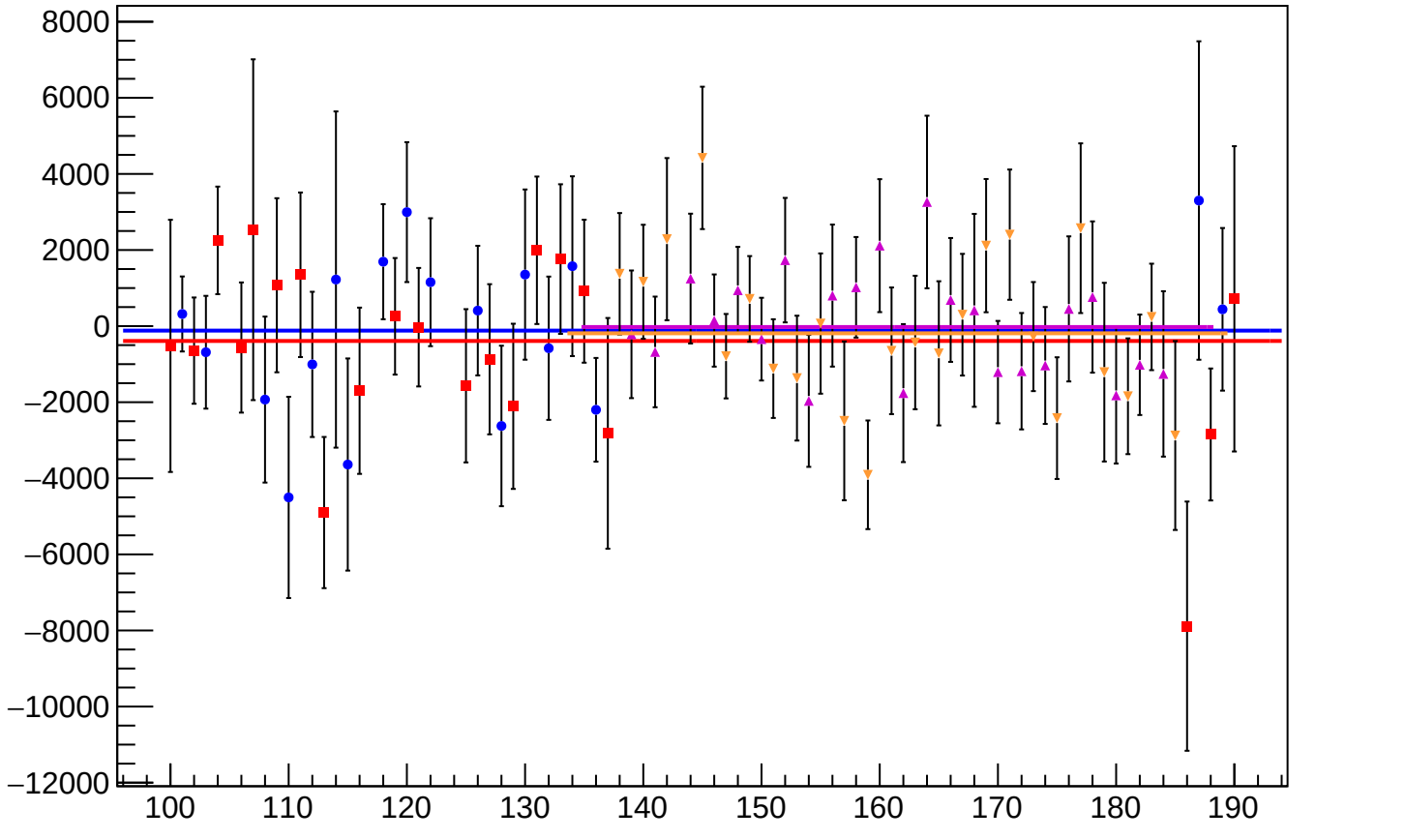
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 786.831+/-0.135 χ^2/NDF: 29753.1/38

In: 780.010+/-0.108 χ^2/NDF:16762.4/40

Out: 782.998+/-0.105 χ^2/NDF:22423.5/44

All: 781.535+/-0.075 χ^2/NDF: 39579.8/85



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

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

Right Out: -390.610+/-433.468 χ^2/NDF: 23.0/20

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

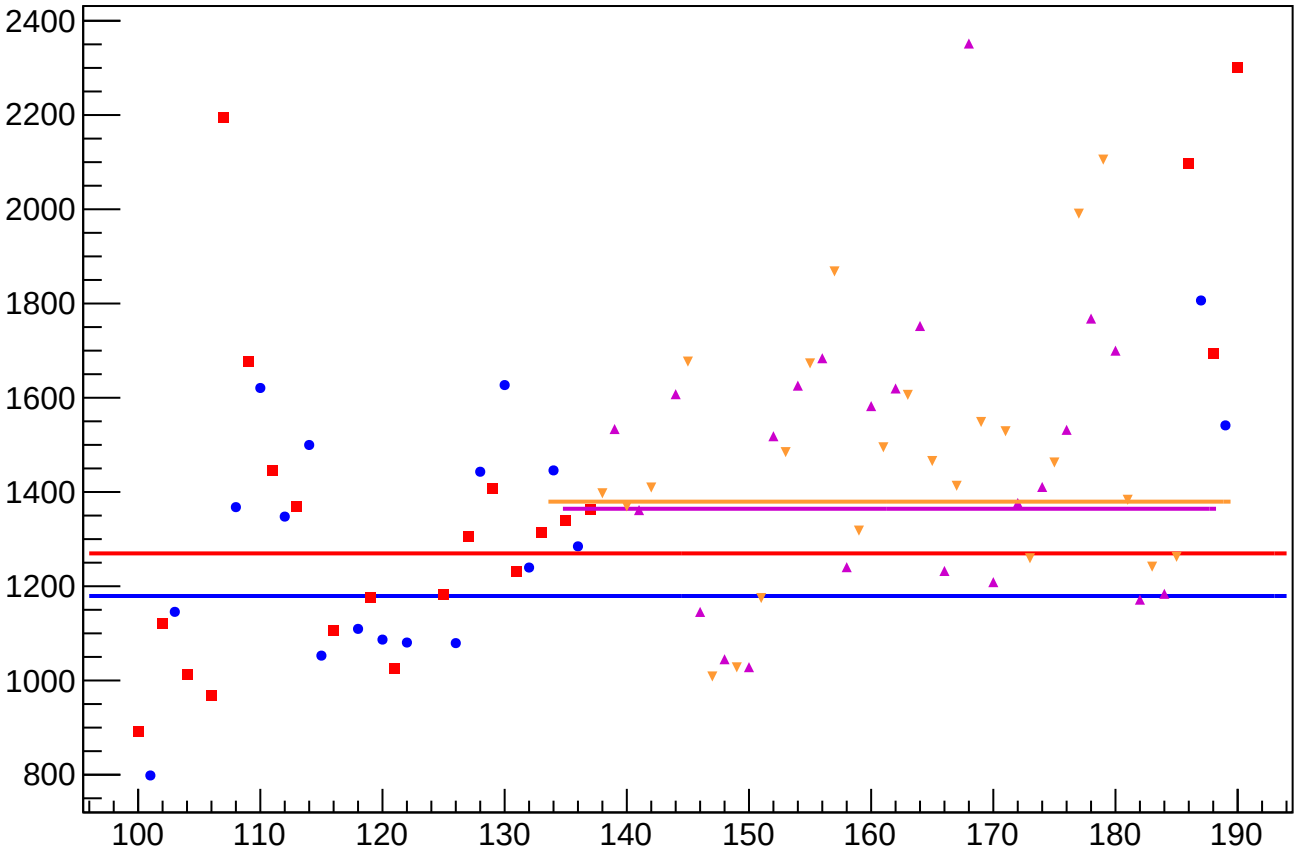
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -253.130+/-305.062 χ^2/NDF: 39.3/38

In: -58.263+/-259.554 χ^2/NDF:29.6/40

Out: -262.318+/-261.393 χ^2/NDF:52.7/44

All: -159.570+/-184.179 χ^2/NDF: 82.6/85



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

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

Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

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

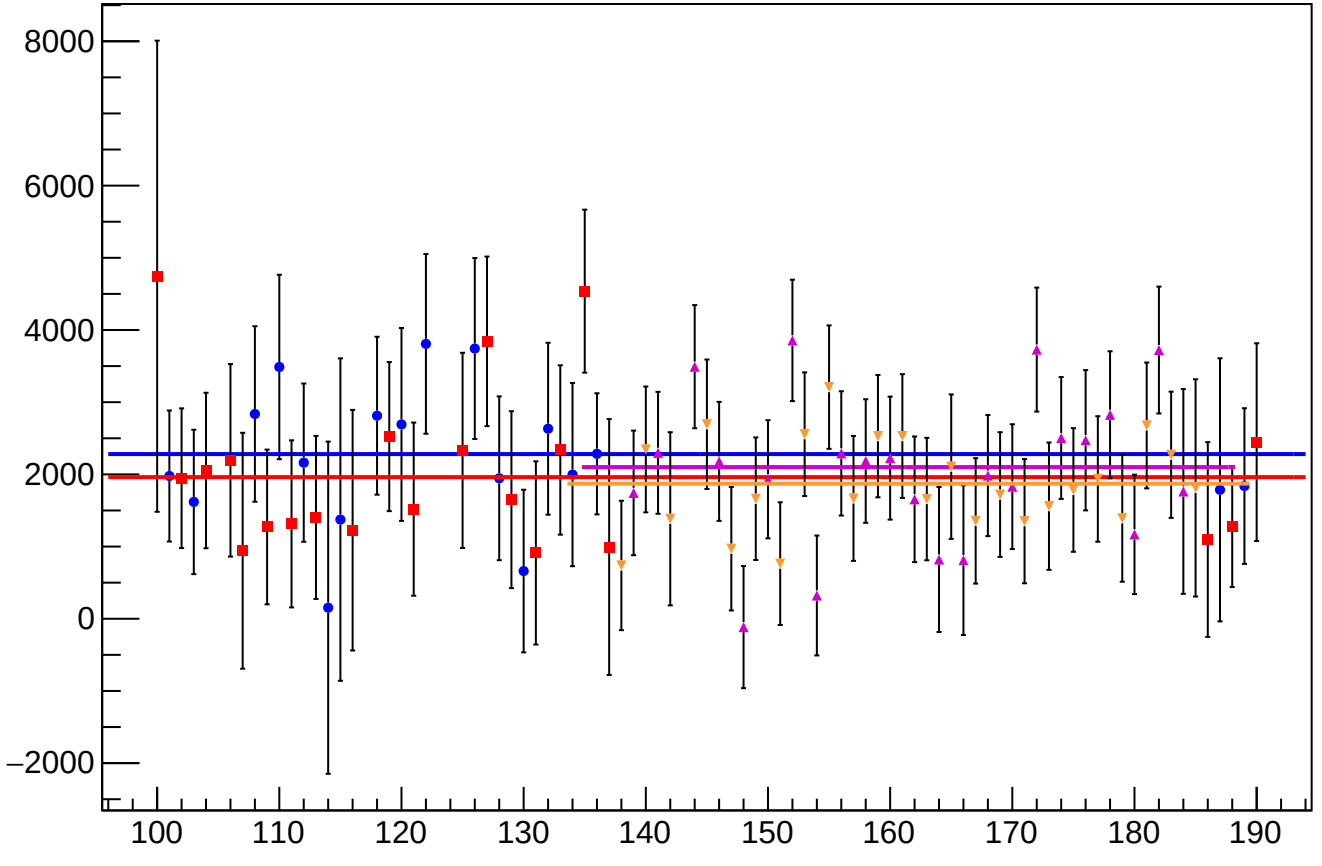
Right: 1224.083+/-0.216 χ^2/NDF: 1531351.9/38

In: 1296.783+/-0.184 χ^2/NDF:2224751.5/40

Out: 1339.599+/-0.185 χ^2/NDF:2051024.0/44

All: 1318.040+/-0.130 χ^2/NDF: 4302795.5/85

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2281.165+/-278.687 χ^2/NDF: 8.4/17

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

Right Out: 1961.897+/-264.820 χ^2/NDF: 13.0/20

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

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

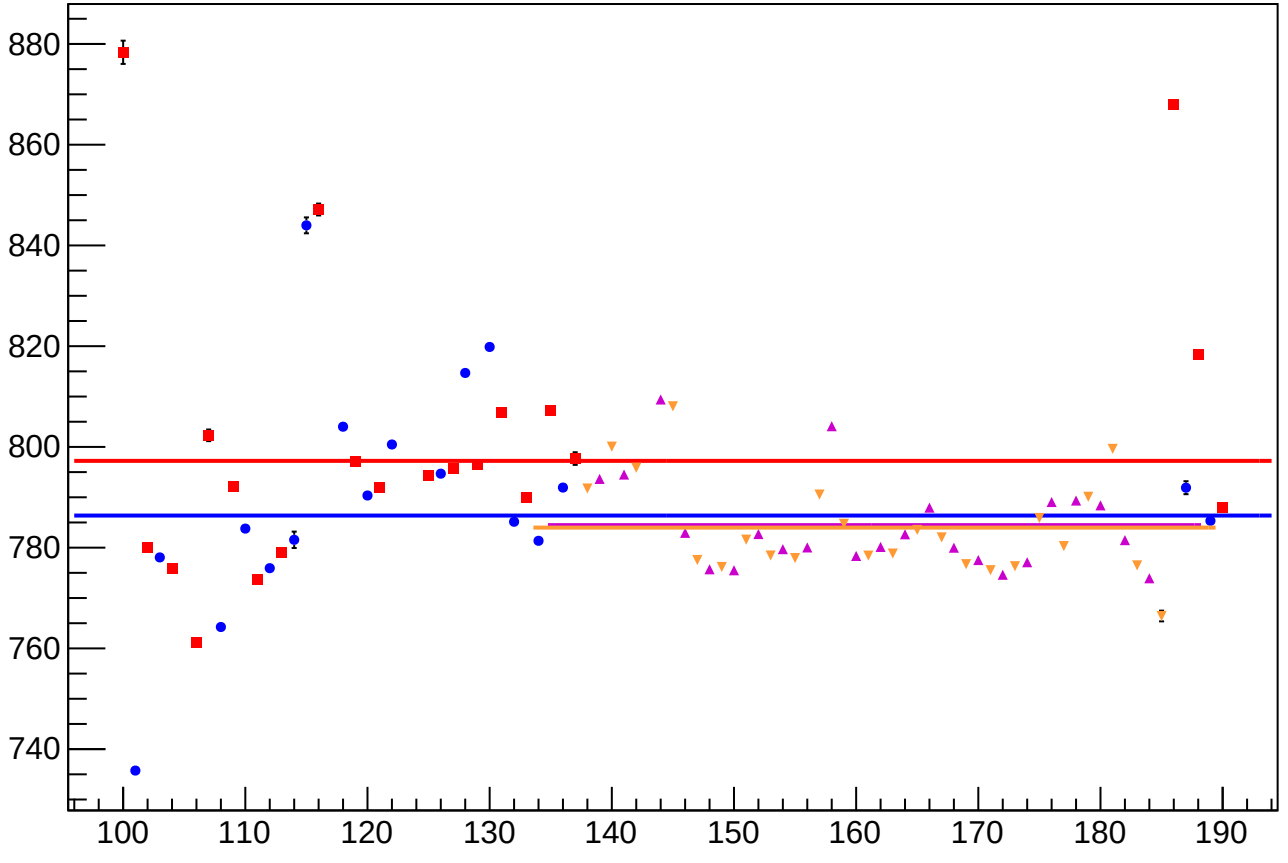
Right: 2113.390+/-191.971 χ^2/NDF: 22.1/38

In: 2155.387+/-153.073 χ^2/NDF:40.5/40

Out: 1900.466+/-149.979 χ^2/NDF:25.5/44

All: 2025.324+/-107.129 χ^2/NDF: 67.4/85

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.375+/-0.197 χ^2/NDF: 12591.5/17

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

Right Out: 797.230+/-0.187 χ^2/NDF: 14600.0/20

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

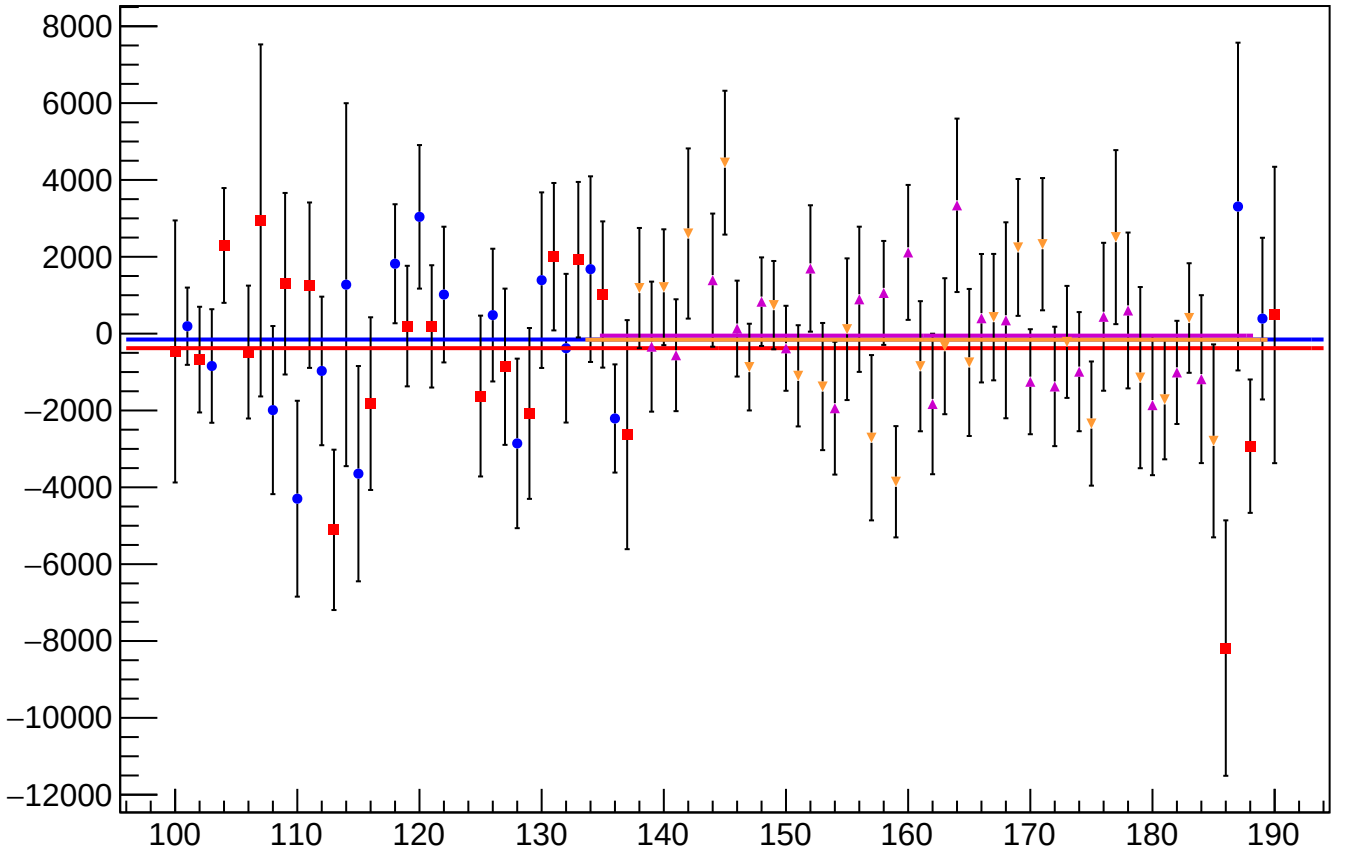
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 792.079+/-0.136 χ^2/NDF: 28786.0/38

In: 785.046+/-0.108 χ^2/NDF:17584.3/40

Out: 788.231+/-0.106 χ^2/NDF:22928.3/44

All: 786.671+/-0.076 χ^2/NDF: 40954.2/85



Right In: -152.932+/-437.301 χ^2/NDF: 16.0/17

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

Right Out: -378.497+/-441.309 χ^2/NDF: 23.3/20

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

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

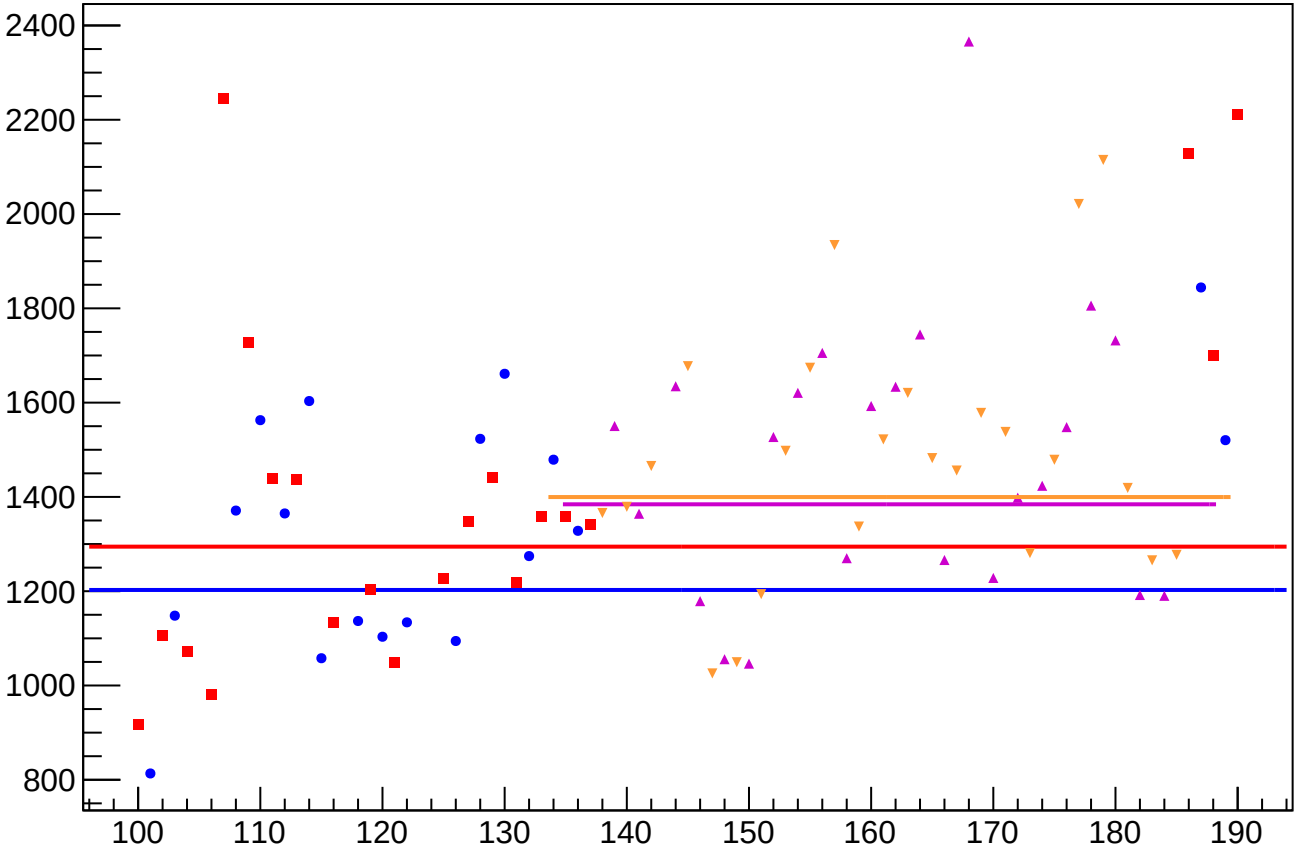
Right: -264.685+/-310.626 χ^2/NDF: 39.5/38

In: -88.636+/-263.518 χ^2/NDF:29.5/40

Out: -238.563+/-265.403 χ^2/NDF:52.6/44

All: -163.065+/-186.998 χ^2/NDF: 82.2/85

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1202.627+/-0.309 χ^2/NDF: 666603.9/17

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

Right Out: 1294.516+/-0.312 χ^2/NDF: 776017.8/20

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

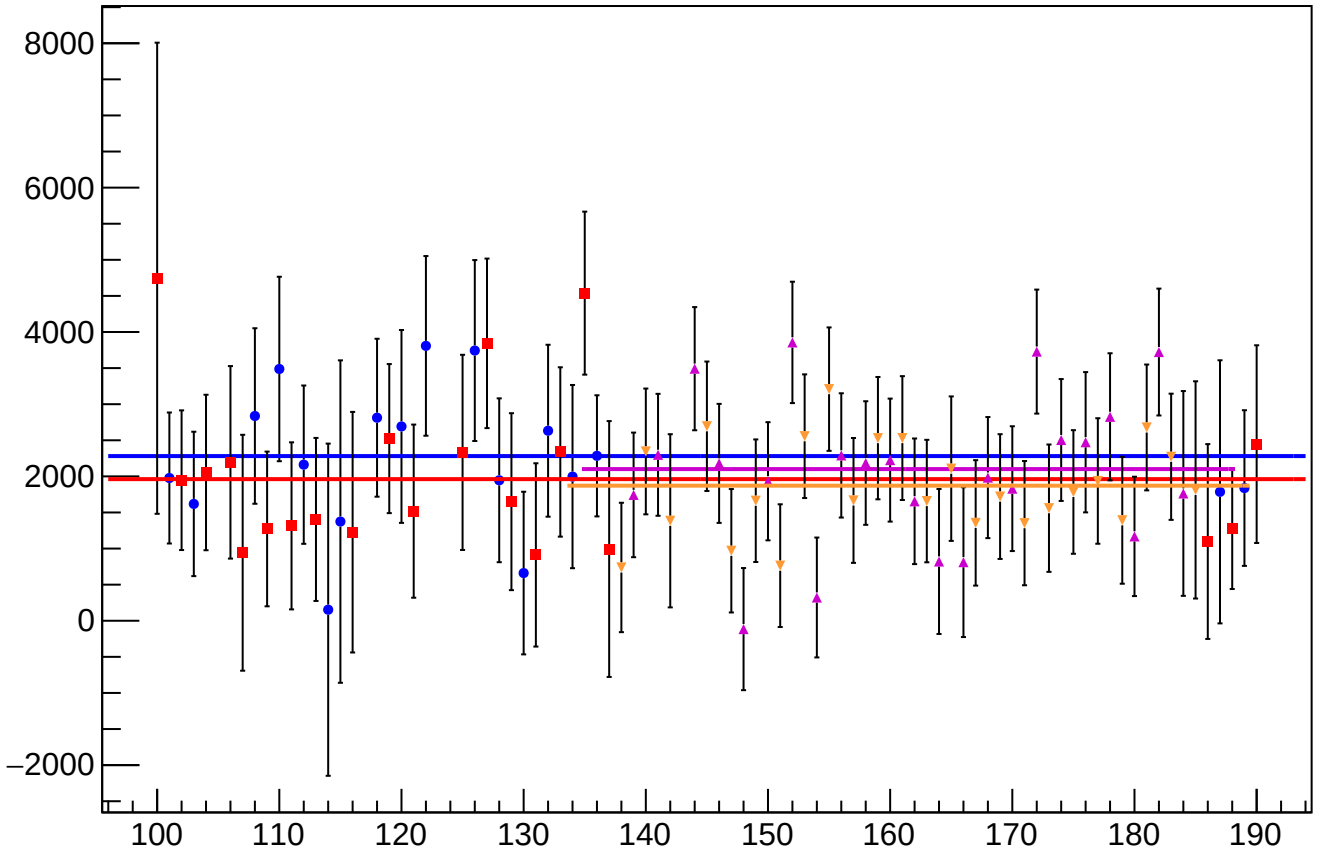
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1248.152+/-0.220 χ^2/NDF: 1486372.7/38

In: 1318.351+/-0.186 χ^2/NDF:2156459.5/40

Out: 1361.668+/-0.188 χ^2/NDF:1984915.3/44

All: 1339.855+/-0.132 χ^2/NDF: 4168202.9/85



Right In: 2281.164+/-278.687 χ^2/NDF: 8.4/17

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

Right Out: 1961.895+/-264.819 χ^2/NDF: 13.0/20

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

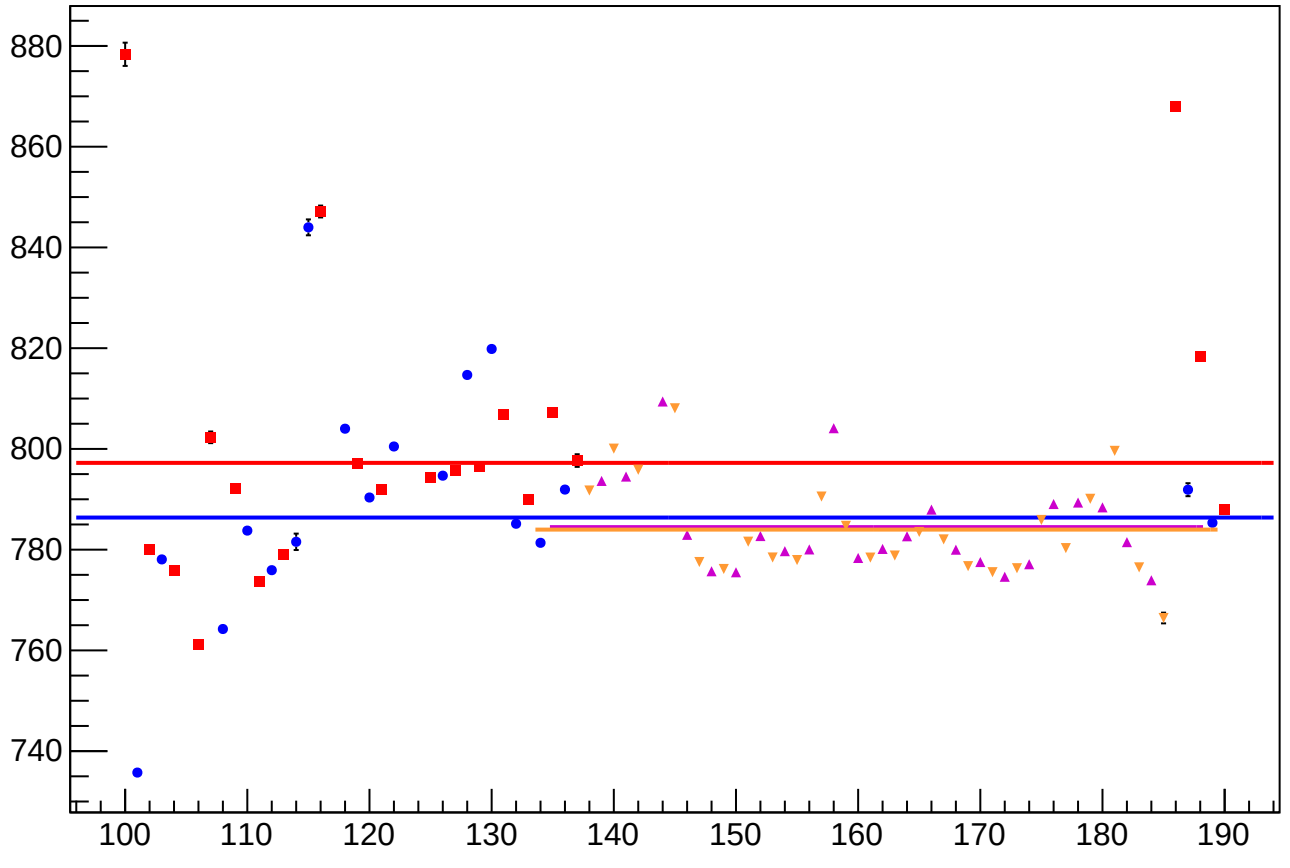
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2113.389+/-191.971 χ^2/NDF: 22.1/38

In: 2155.387+/-153.073 χ^2/NDF:40.5/40

Out: 1900.463+/-149.979 χ^2/NDF:25.5/44

All: 2025.323+/-107.129 χ^2/NDF: 67.4/85



Right In: 786.375+/-0.197 χ^2/NDF: 12591.4/17

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

Right Out: 797.230+/-0.187 χ^2/NDF: 14600.0/20

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

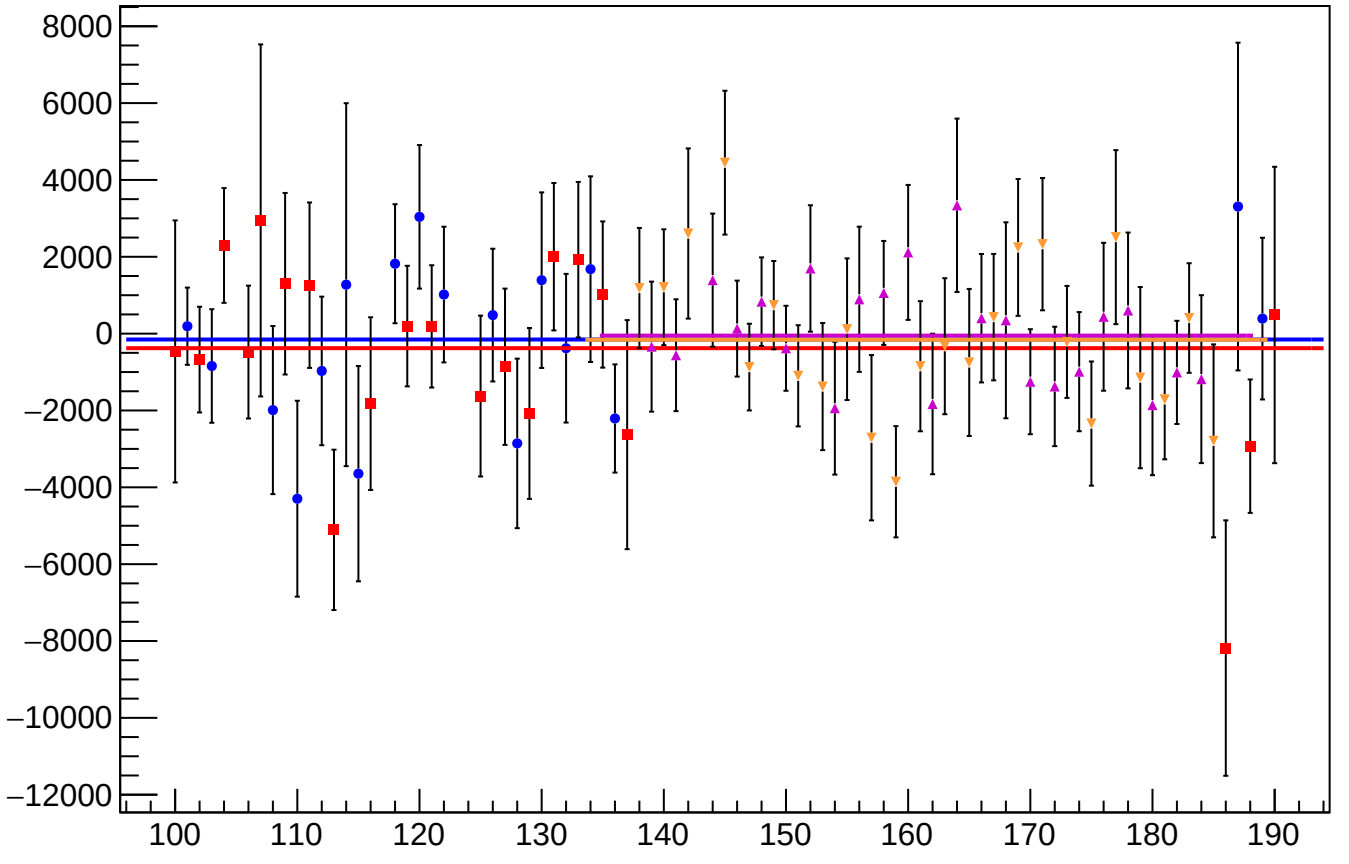
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 792.079+/-0.136 χ^2/NDF: 28786.0/38

In: 785.046+/-0.108 χ^2/NDF:17584.2/40

Out: 788.231+/-0.106 χ^2/NDF:22928.2/44

All: 786.671+/-0.076 χ^2/NDF: 40954.0/85



Right In: -152.931+/-437.300 χ^2/NDF: 16.0/17

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

Right Out: -378.495+/-441.308 χ^2/NDF: 23.3/20

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

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

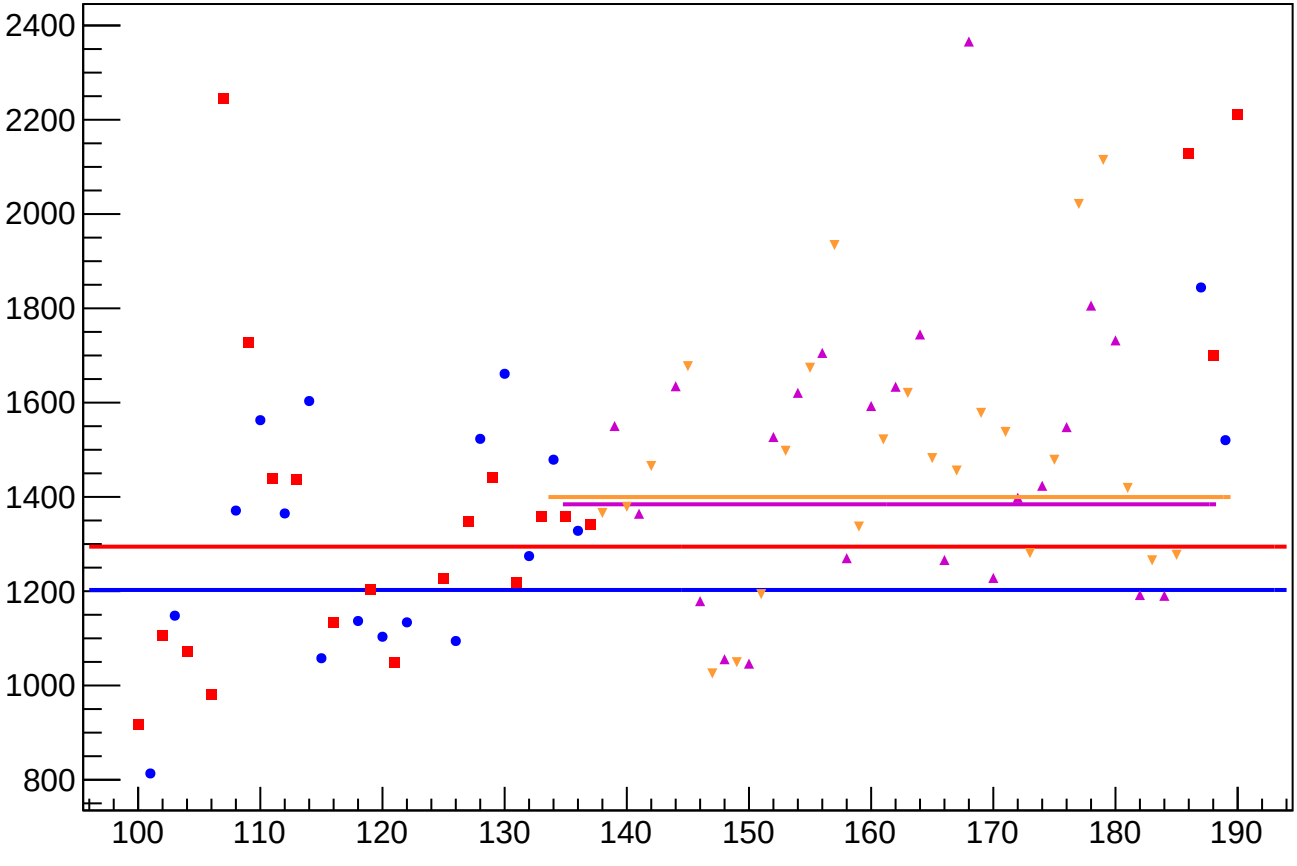
Right: -264.684+/-310.625 χ^2/NDF: 39.5/38

In: -88.635+/-263.518 χ^2/NDF:29.5/40

Out: -238.565+/-265.403 χ^2/NDF:52.6/44

All: -163.066+/-186.998 χ^2/NDF: 82.2/85

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1202.624+/-0.309 χ^2/NDF: 666603.6/17

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

Right Out: 1294.513+/-0.312 χ^2/NDF: 776021.5/20

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

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

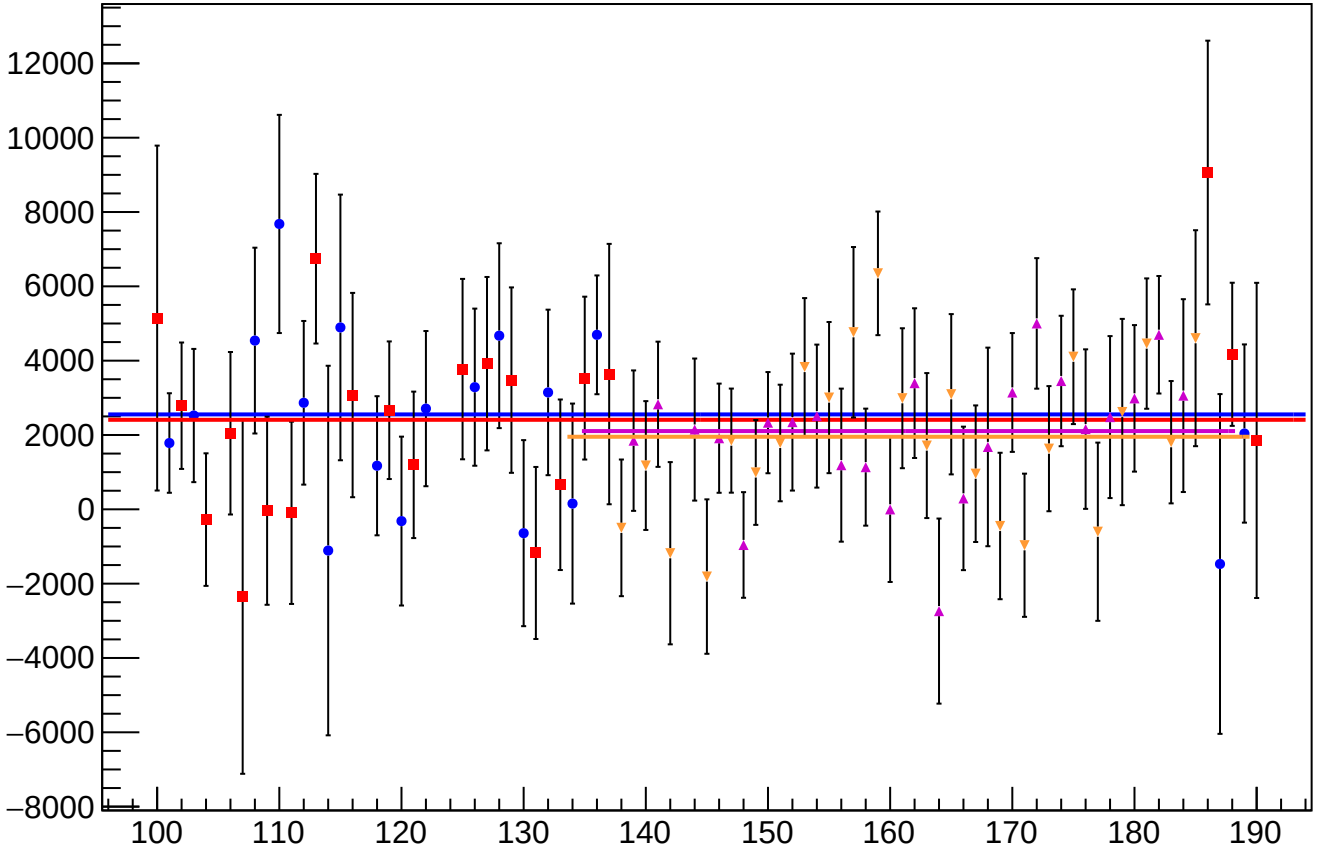
Right: 1248.149+/-0.220 χ^2/NDF: 1486375.9/38

In: 1318.351+/-0.186 χ^2/NDF:2156473.2/40

Out: 1361.668+/-0.188 χ^2/NDF:1984928.4/44

All: 1339.855+/-0.132 χ^2/NDF: 4168229.7/85

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2553.762+/-521.553 χ^2/NDF: 13.1/17

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

Right Out: 2408.792+/-517.022 χ^2/NDF: 18.4/20

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

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

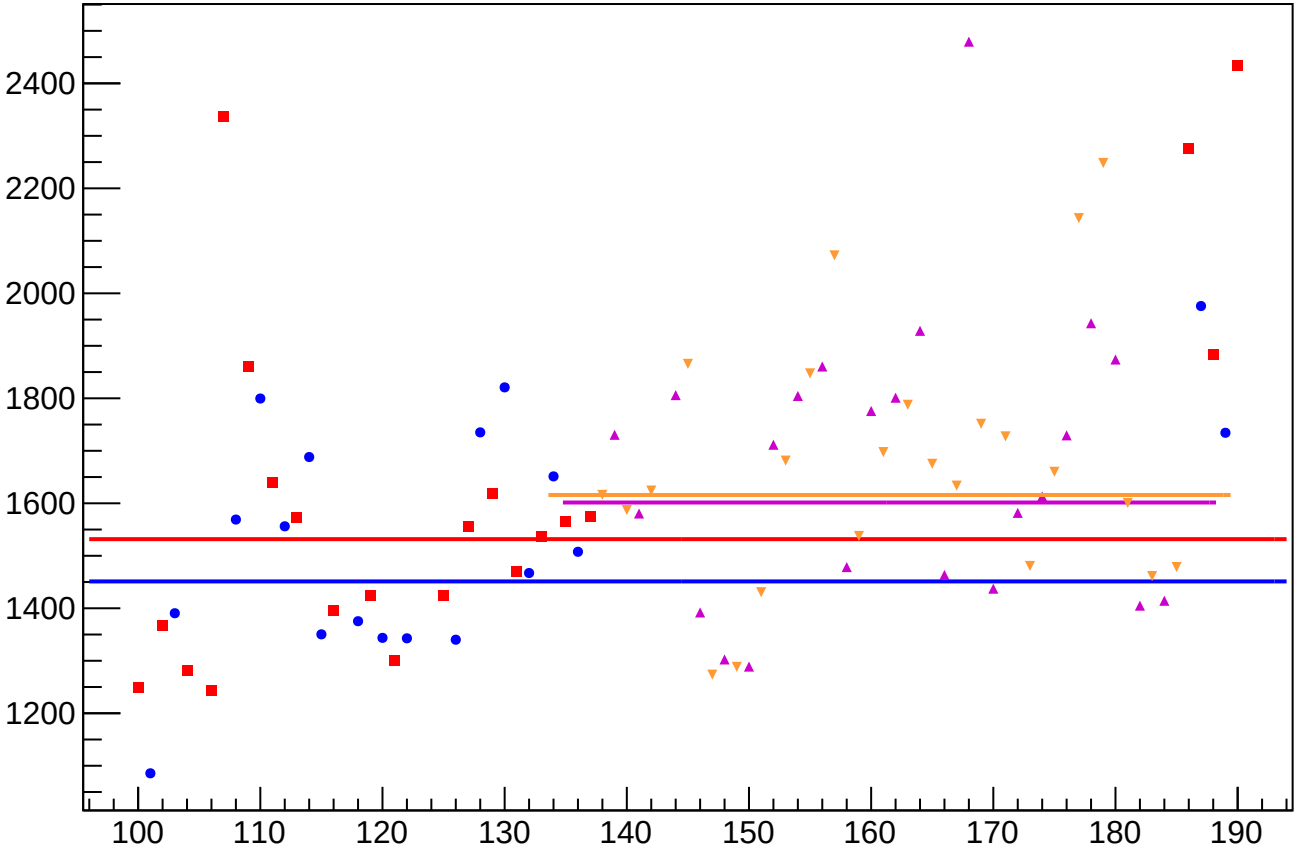
Right: 2480.645+/-367.181 χ^2/NDF: 31.5/38

In: 2260.379+/-306.625 χ^2/NDF:32.2/40

Out: 2112.622+/-306.334 χ^2/NDF:46.3/44

All: 2186.431+/-216.714 χ^2/NDF: 78.5/85

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1451.177+/-0.369 χ^2/NDF: 350817.9/17

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

Right Out: 1531.689+/-0.366 χ^2/NDF: 487850.2/20

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

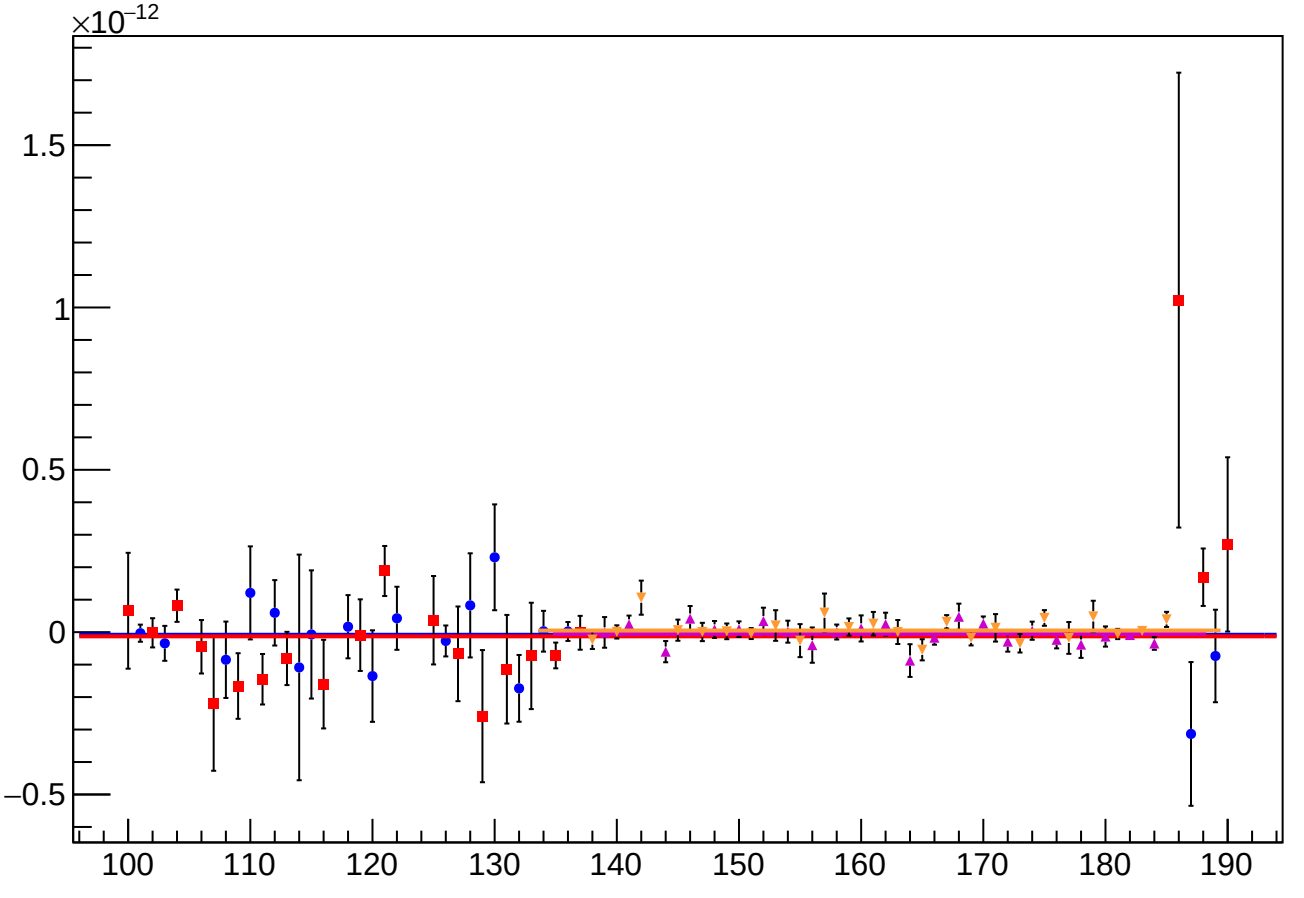
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1491.784+/-0.260 χ^2/NDF: 862706.3/38

In: 1549.541+/-0.217 χ^2/NDF:1253254.1/40

Out: 1586.307+/-0.217 χ^2/NDF:1216597.0/44

All: 1567.941+/-0.153 χ^2/NDF: 2484242.6/85



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/20

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

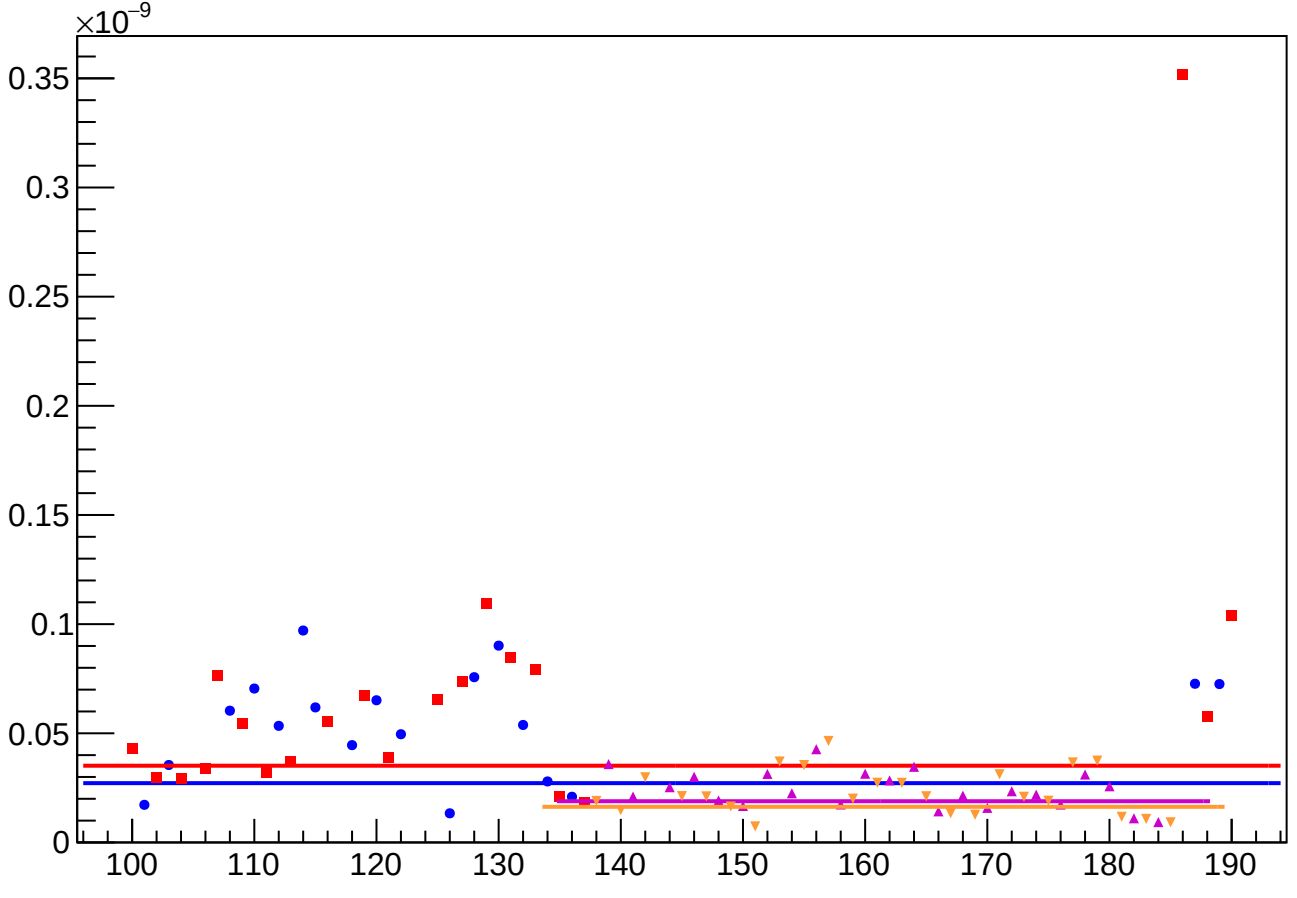
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 41.6/38

In: -0.000+/-0.000 χ^2/NDF:30.1/40

Out: 0.000+/-0.000 χ^2/NDF:52.8/44

All: -0.000+/-0.000 χ^2/NDF: 84.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2430673.4/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 2397648.3/20

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

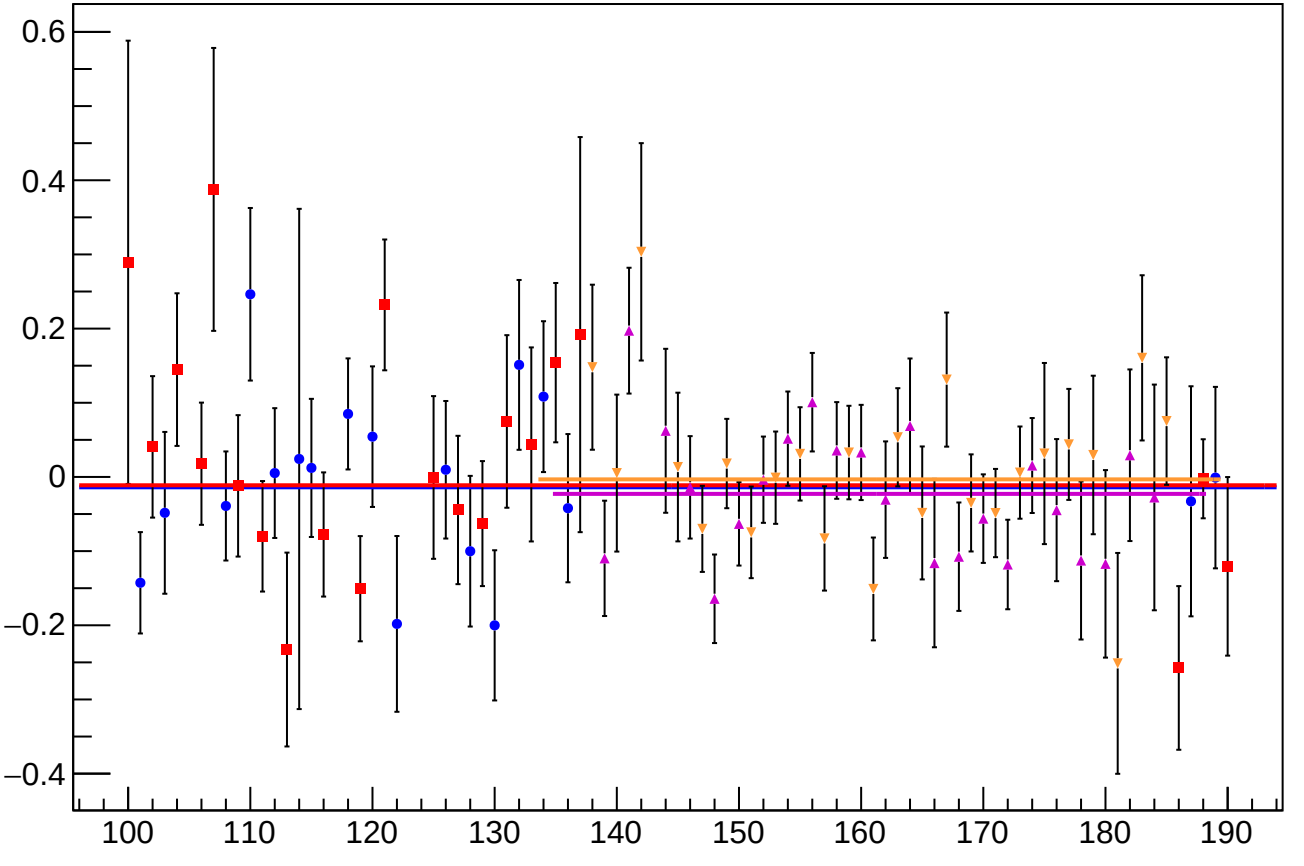
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 5063051.9/38

In: 0.000+/-0.000 χ^2/NDF:6214147.1/40

Out: 0.000+/-0.000 χ^2/NDF:8719234.2/44

All: 0.000+/-0.000 χ^2/NDF: 15091248.8/85



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

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

Right Out: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

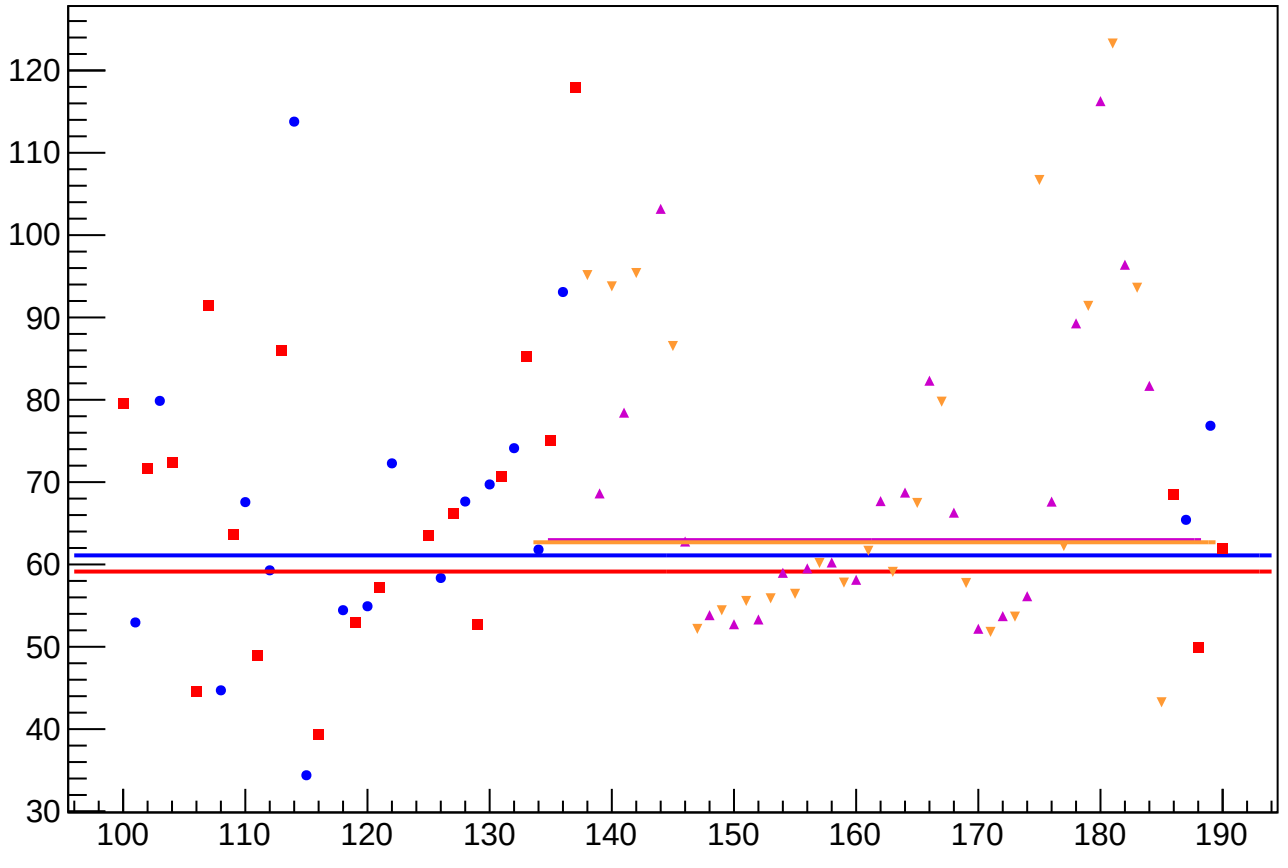
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.016 χ^2/NDF: 55.3/38

In: -0.020+/-0.013 χ^2/NDF:50.4/40

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.0/85



Right In: 61.101+/-0.016 χ^2/NDF: 739559.8/17

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

Right Out: 59.138+/-0.015 χ^2/NDF: 792714.0/20

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

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

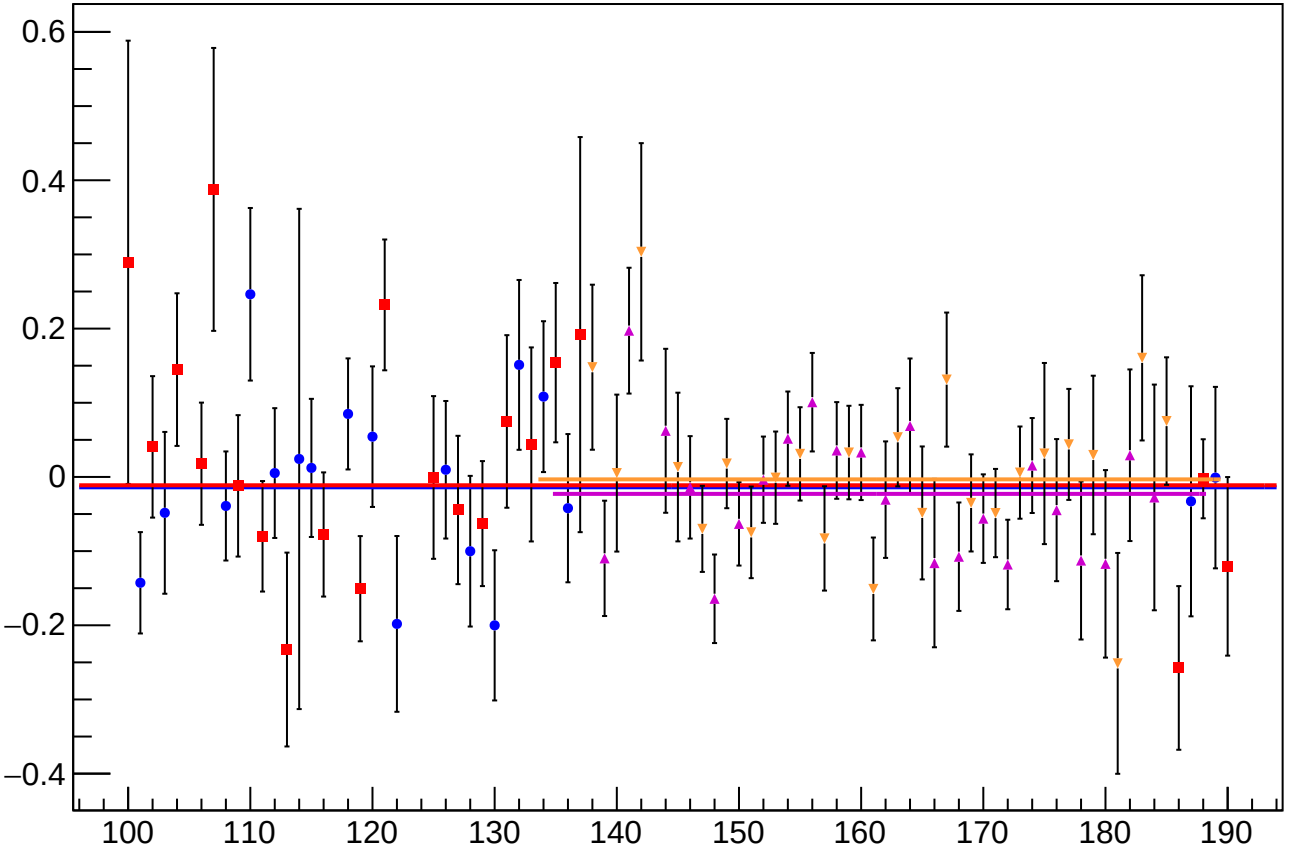
Right: 60.023+/-0.011 χ^2/NDF: 1540162.8/38

In: 62.382+/-0.009 χ^2/NDF:2178852.8/40

Out: 61.440+/-0.009 χ^2/NDF:2769281.3/44

All: 61.896+/-0.006 χ^2/NDF: 4953659.4/85

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

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

Right Out: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

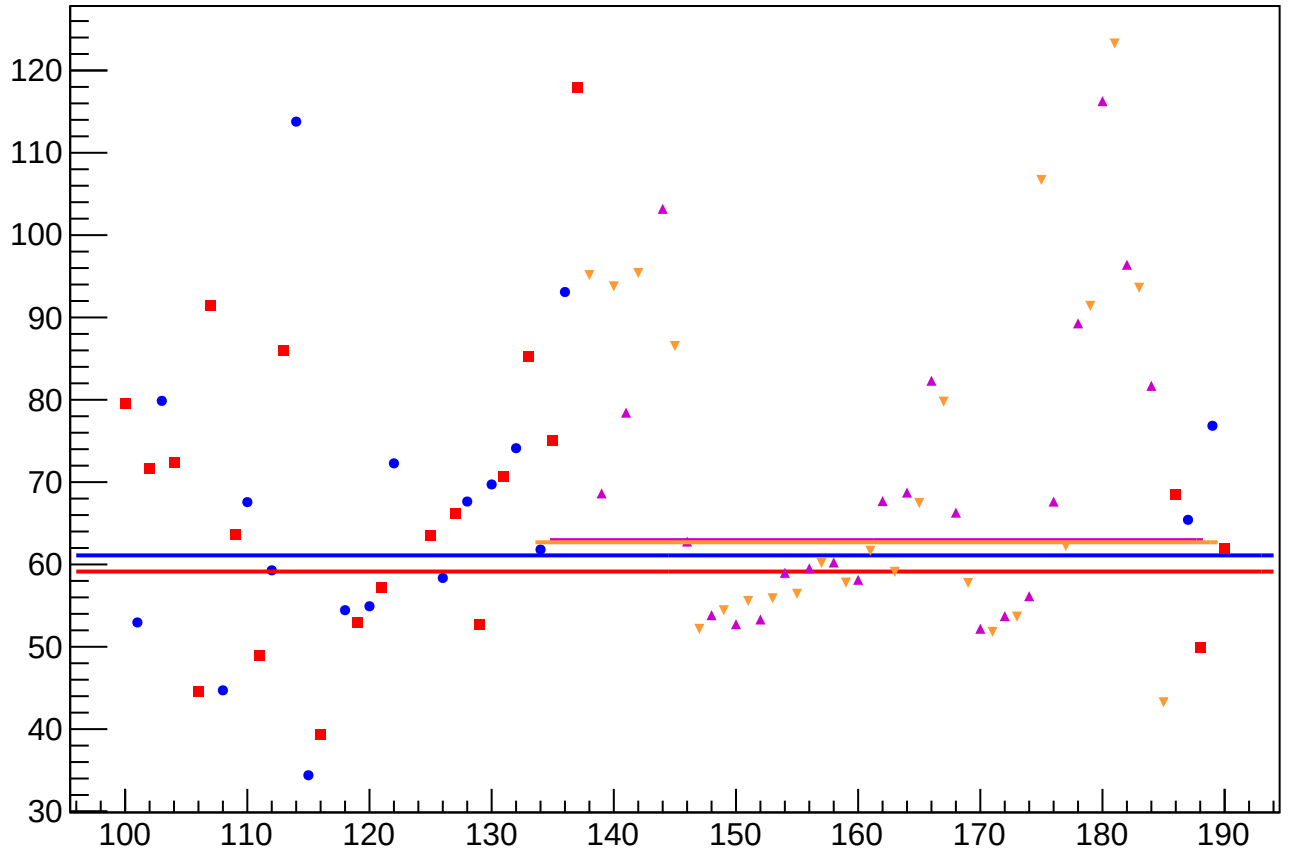
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.016 χ^2/NDF: 55.3/38

In: -0.020+/-0.013 χ^2/NDF:50.4/40

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.0/85



Right In: 61.101+/-0.016 χ^2/NDF: 739559.8/17

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

Right Out: 59.138+/-0.015 χ^2/NDF: 792714.0/20

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

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

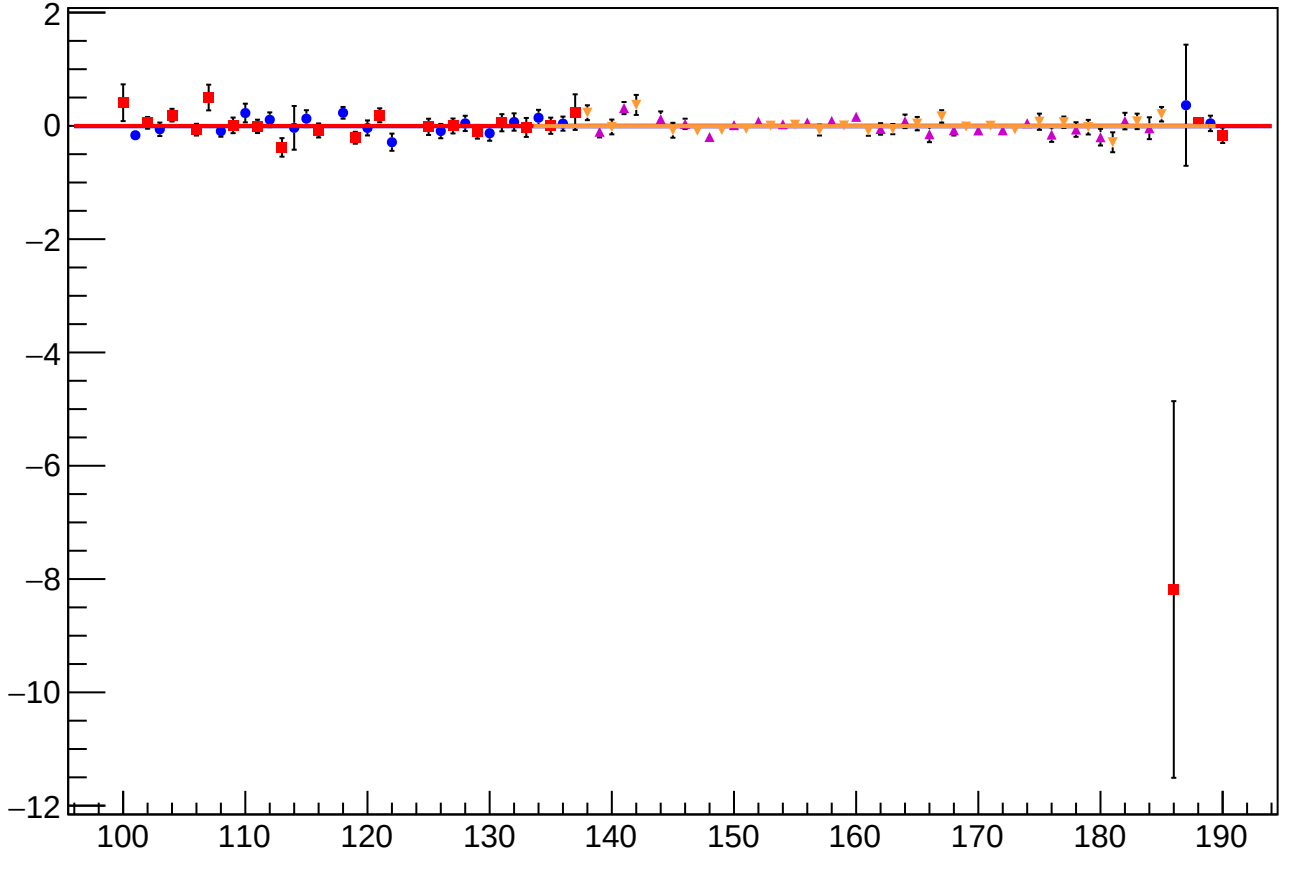
Right: 60.023+/-0.011 χ^2/NDF: 1540162.8/38

In: 62.382+/-0.009 χ^2/NDF:2178852.8/40

Out: 61.440+/-0.009 χ^2/NDF:2769281.3/44

All: 61.896+/-0.006 χ^2/NDF: 4953659.4/85

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.031 χ^2/NDF: 20.4/17

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

Right Out: -0.000+/-0.029 χ^2/NDF: 32.0/20

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

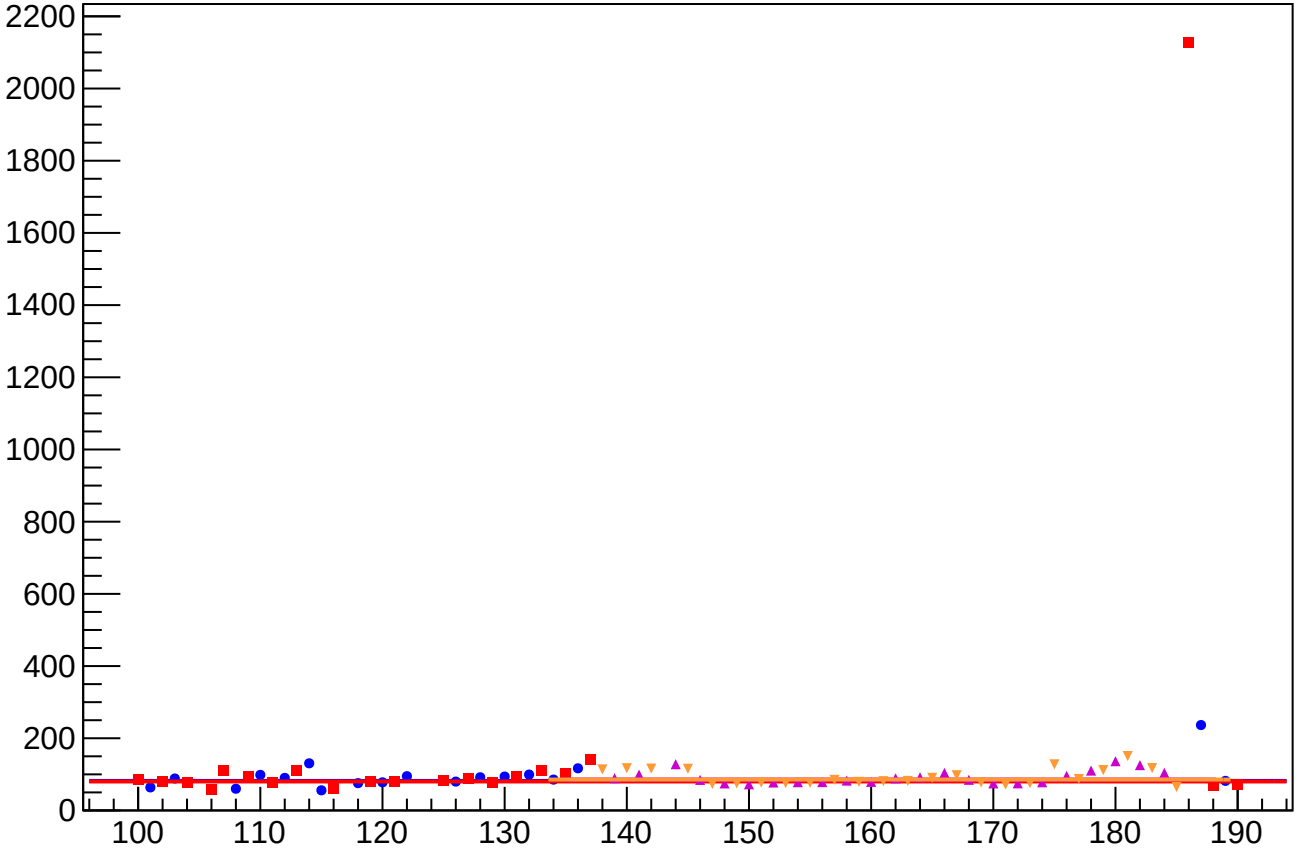
Right: -0.004+/-0.021 χ^2/NDF: 52.4/38

In: -0.001+/-0.017 χ^2/NDF:51.0/40

Out: -0.003+/-0.017 χ^2/NDF:53.3/44

All: -0.002+/-0.012 χ^2/NDF: 104.4/85

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.808+/-0.022 χ^2/NDF: 603815.4/17

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

Right Out: 80.308+/-0.020 χ^2/NDF: 1301166.8/20

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

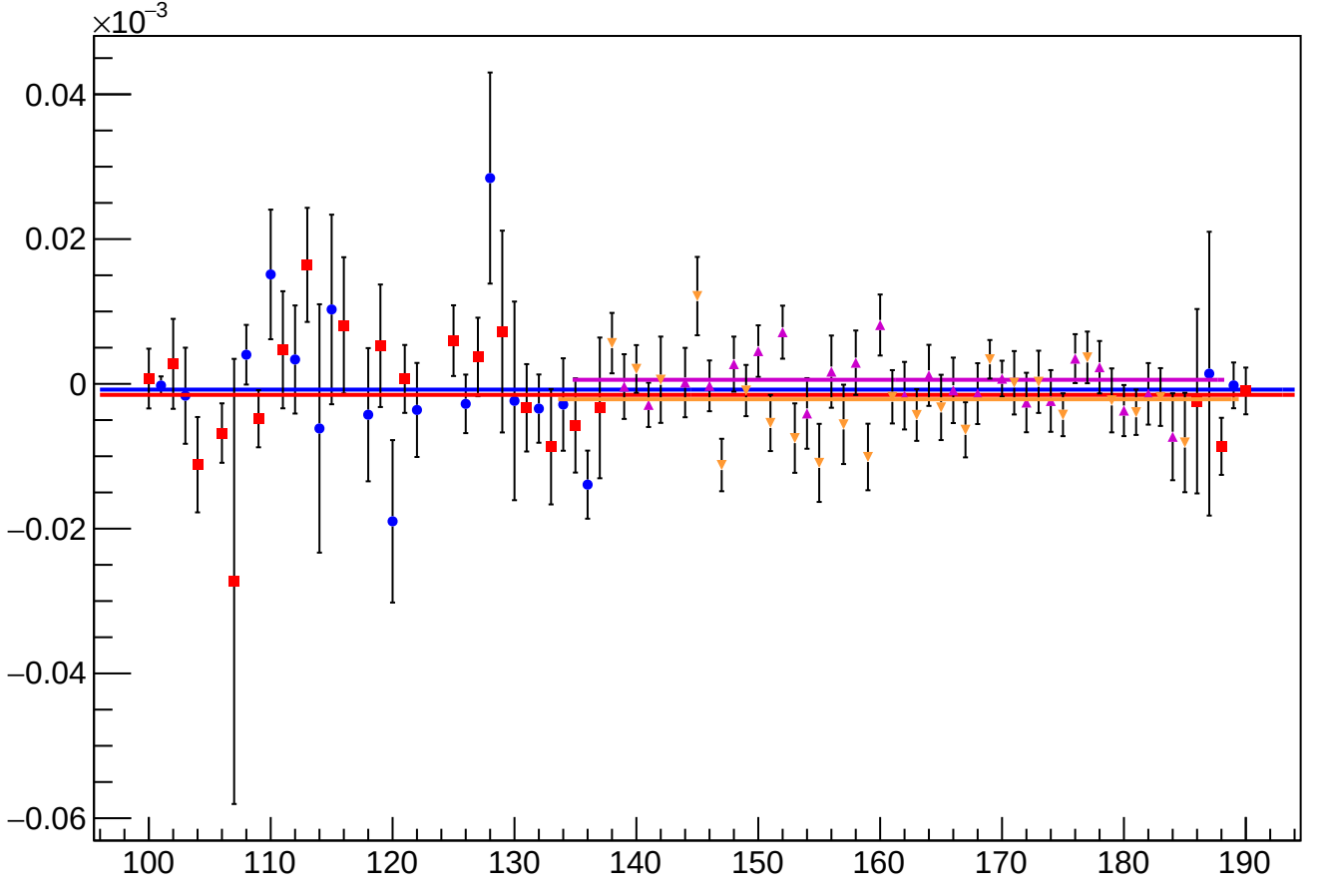
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 81.003+/-0.015 χ^2/NDF: 1907532.9/38

In: 84.475+/-0.012 χ^2/NDF:1621486.4/40

Out: 83.814+/-0.012 χ^2/NDF:2699782.3/44

All: 84.137+/-0.008 χ^2/NDF: 4322785.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/20

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

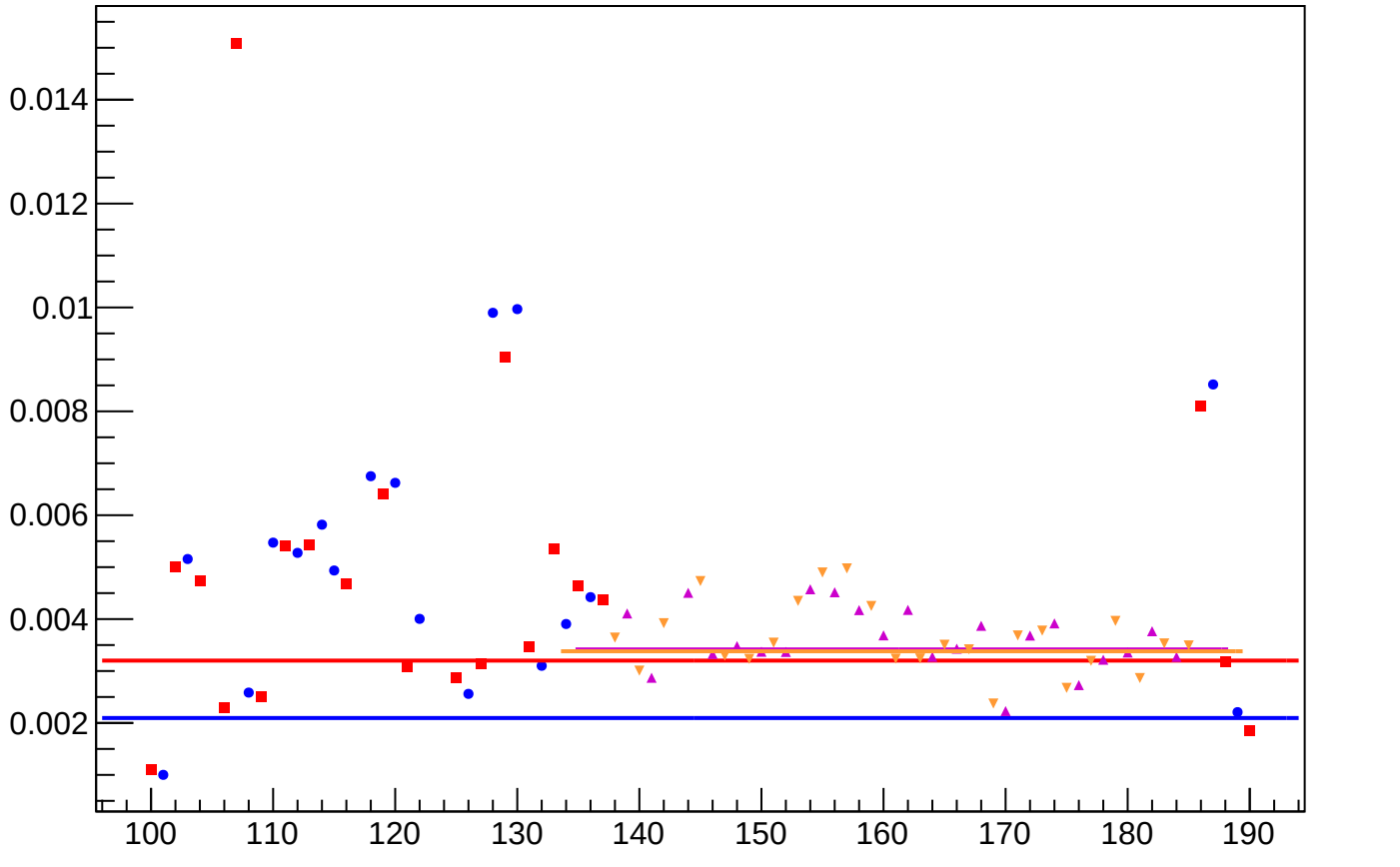
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 43.5/38

In: -0.000+/-0.000 χ^2/NDF:39.1/40

Out: -0.000+/-0.000 χ^2/NDF:59.6/44

All: -0.000+/-0.000 χ^2/NDF: 103.2/85



Right In: 0.002+/-0.000 χ^2/NDF: 6032120.8/17

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

Right Out: 0.003+/-0.000 χ^2/NDF: 3177615.0/20

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

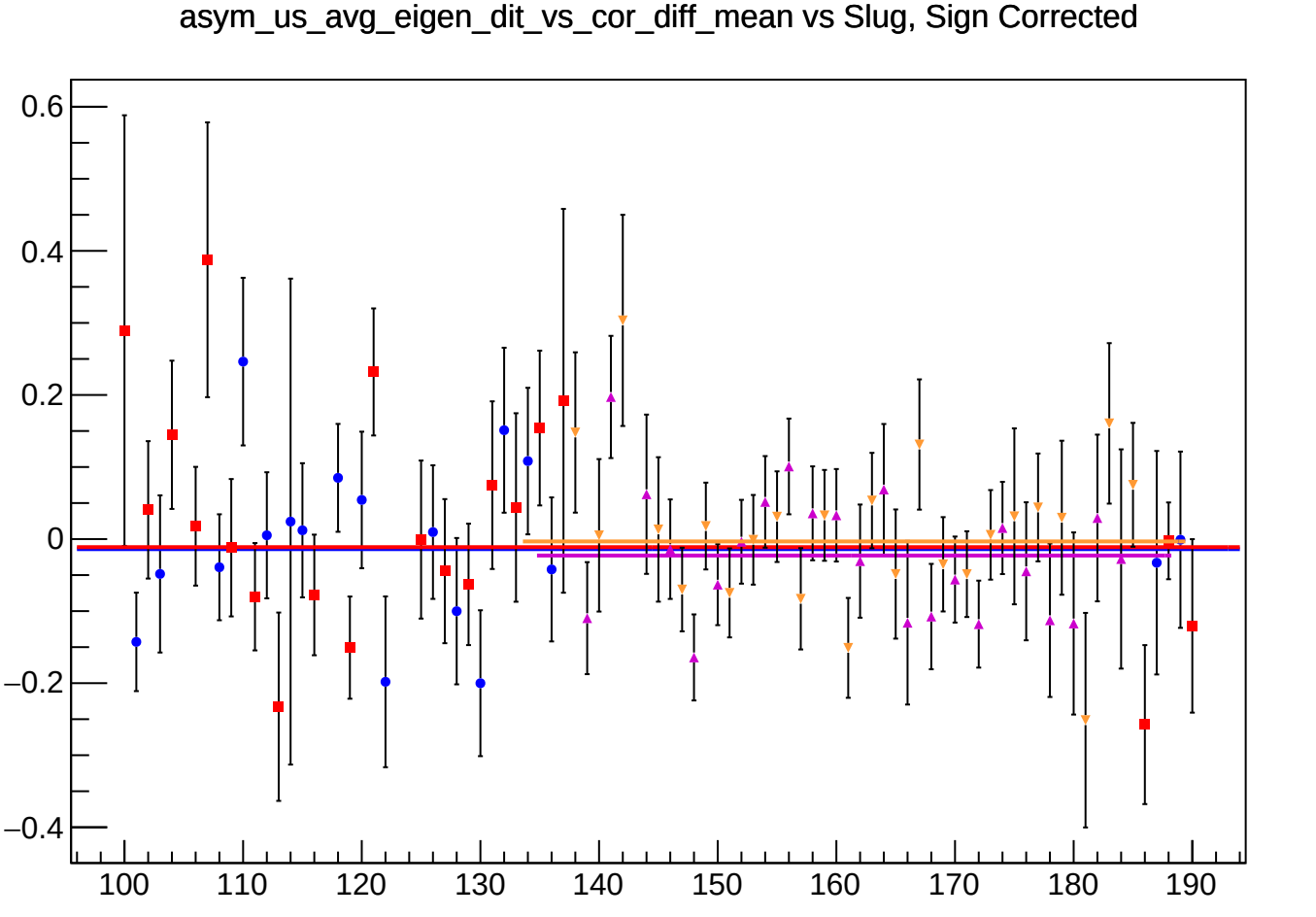
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

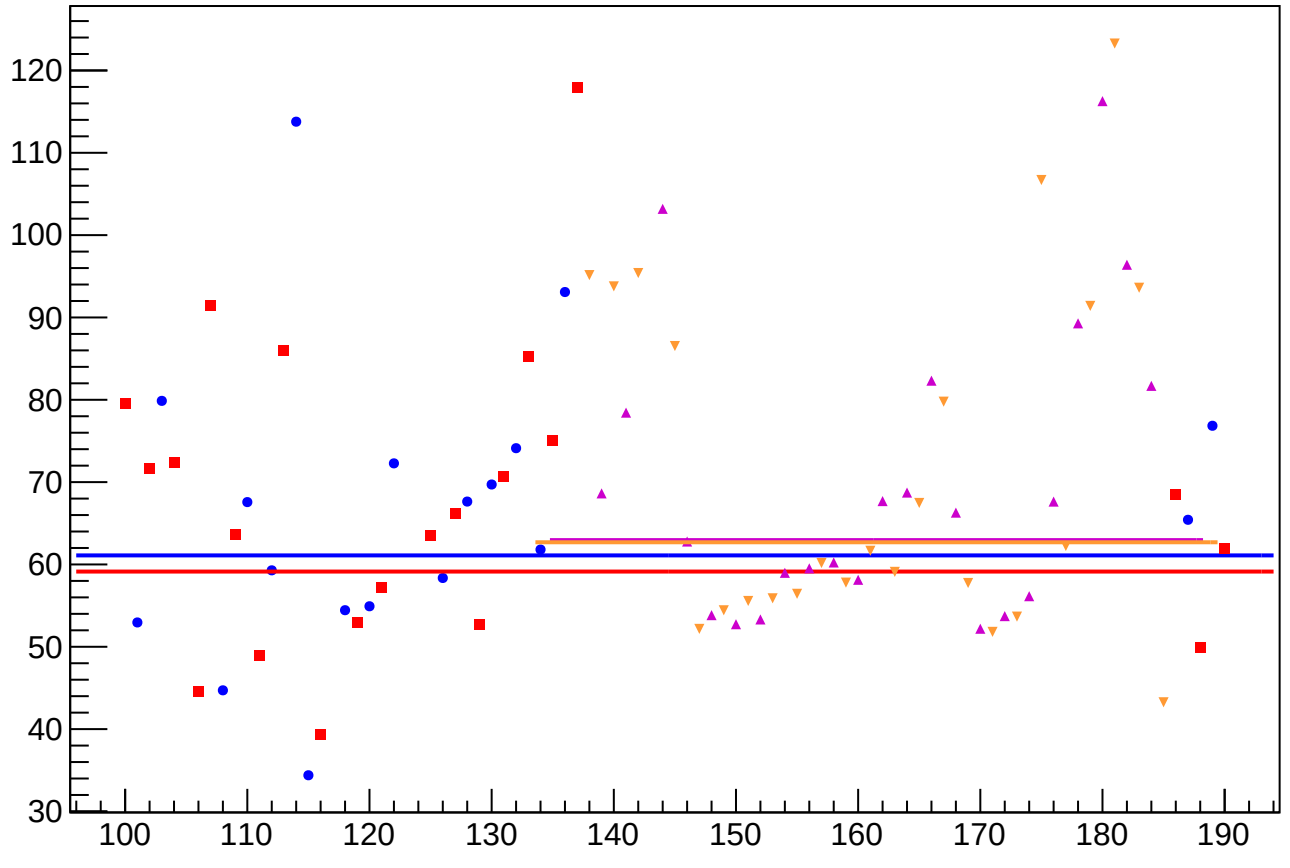
Right: 0.003+/-0.000 χ^2/NDF: 10212206.5/38

In: 0.003+/-0.000 χ^2/NDF:9402812.0/40

Out: 0.003+/-0.000 χ^2/NDF:4403105.6/44

All: 0.003+/-0.000 χ^2/NDF: 14318820.7/85


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.023 χ²/NDF: 21.4/17
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.011+/-0.021 χ²/NDF: 33.9/20
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.012+/-0.016 χ²/NDF: 55.3/38
In: -0.020+/-0.013 χ²/NDF:50.4/40
Out: -0.006+/-0.012 χ²/NDF:59.9/44
All: -0.013+/-0.009 χ²/NDF: 111.0/85



Right In: 61.099+/-0.016 χ^2/NDF: 739584.7/17

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

Right Out: 59.137+/-0.015 χ^2/NDF: 792705.8/20

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

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

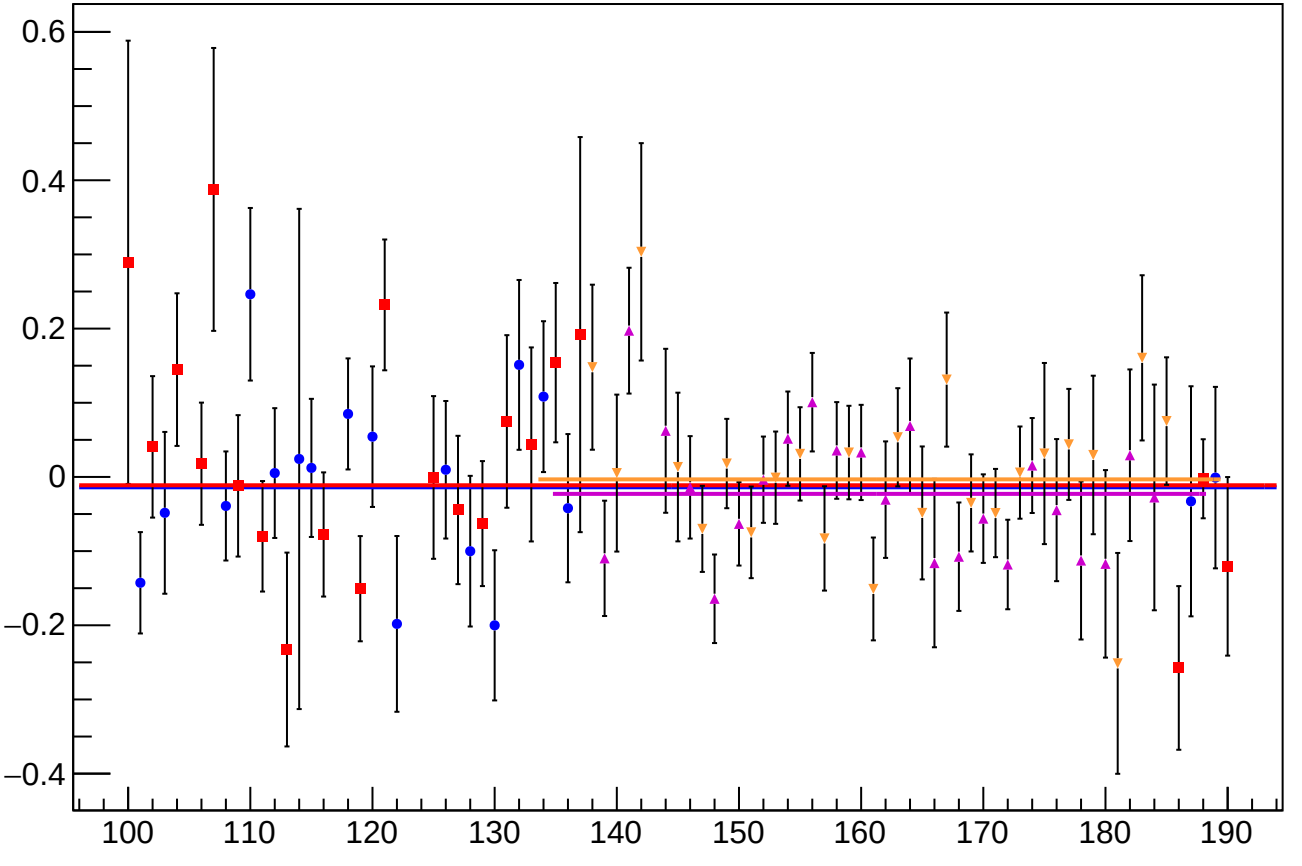
Right: 60.022+/-0.011 χ^2/NDF: 1540178.0/38

In: 62.382+/-0.009 χ^2/NDF:2178867.9/40

Out: 61.440+/-0.009 χ^2/NDF:2769285.8/44

All: 61.895+/-0.006 χ^2/NDF: 4953678.4/85

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

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

Right Out: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

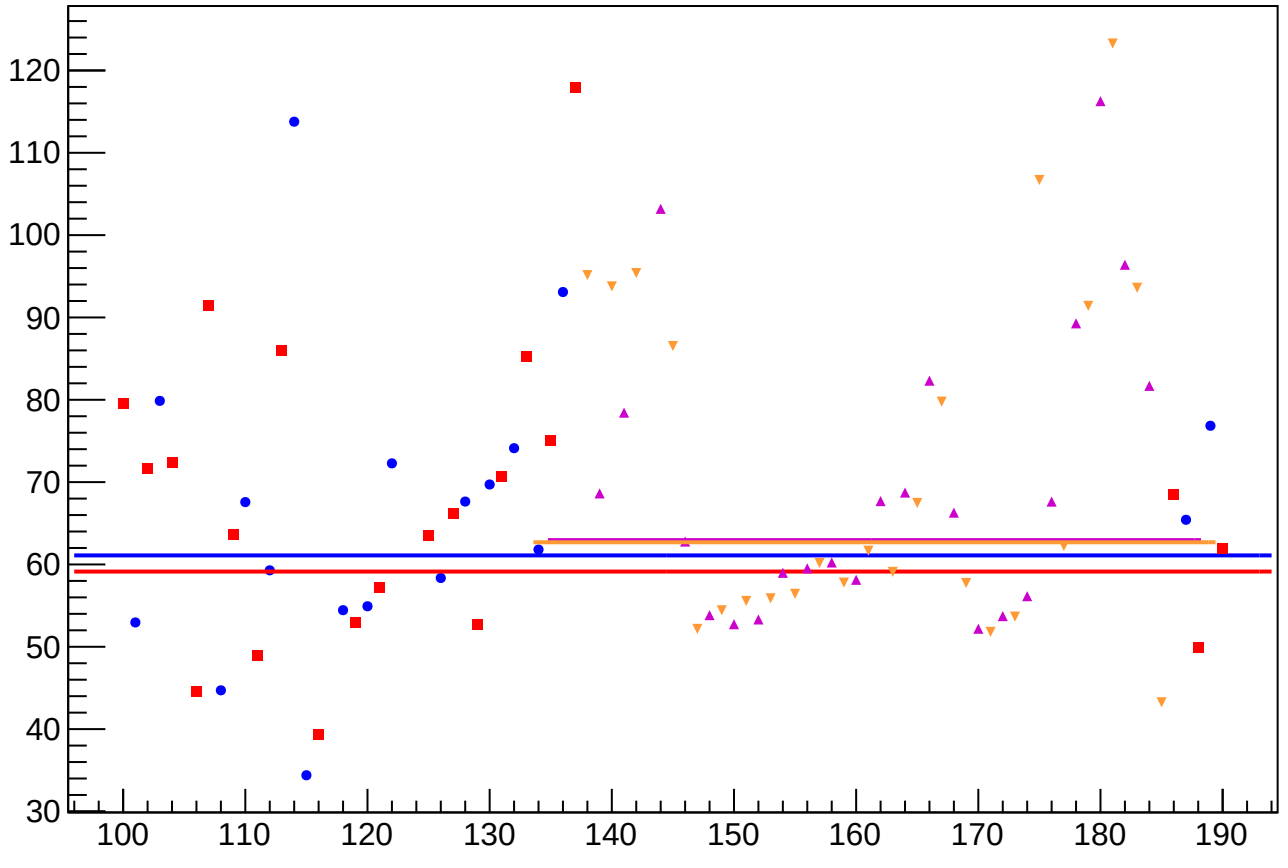
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.012+/-0.016 χ^2/NDF: 55.3/38

In: -0.020+/-0.013 χ^2/NDF:50.4/40

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.0/85



Right In: 61.099+/-0.016 χ^2/NDF: 739584.7/17

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

Right Out: 59.137+/-0.015 χ^2/NDF: 792705.8/20

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

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

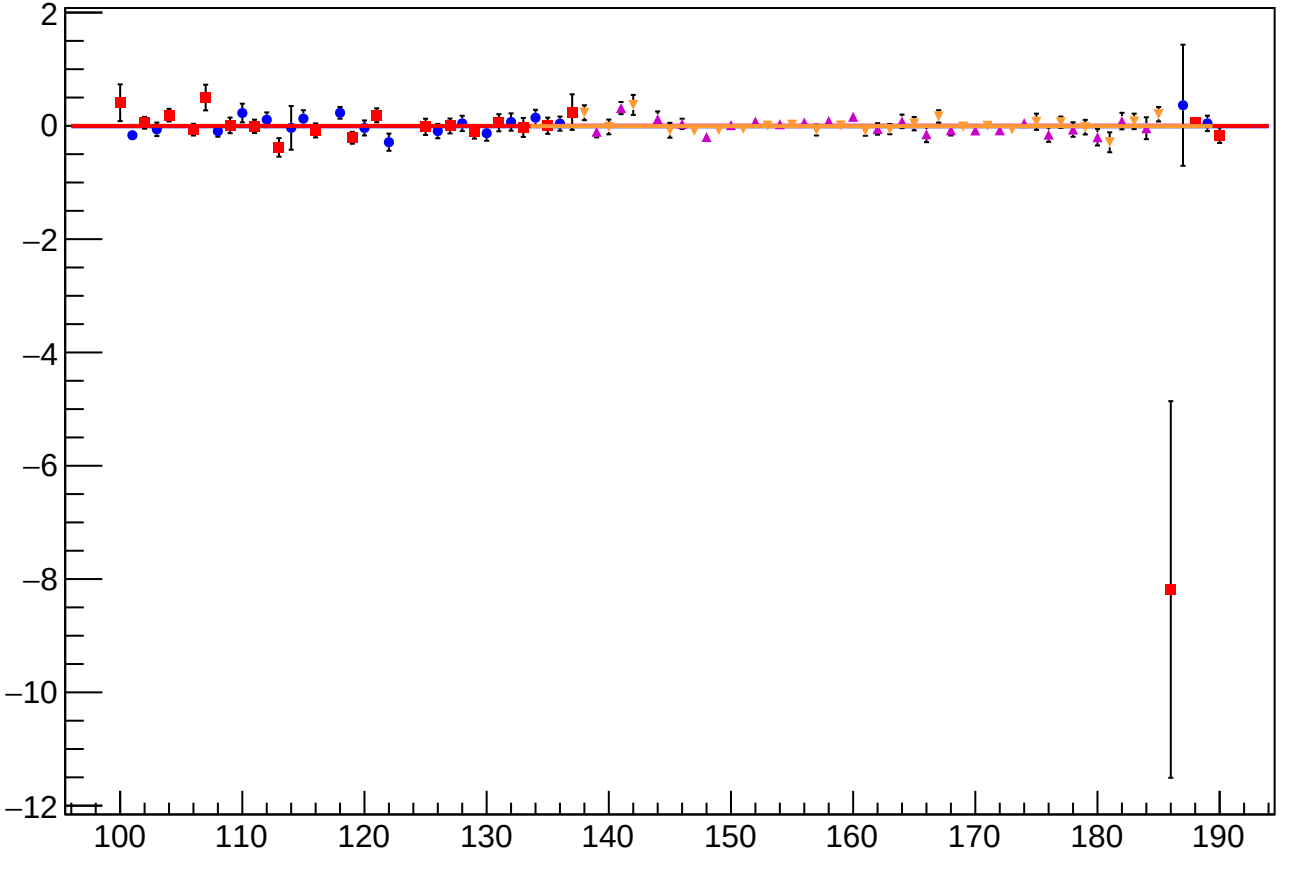
Right: 60.022+/-0.011 χ^2/NDF: 1540178.0/38

In: 62.382+/-0.009 χ^2/NDF:2178867.9/40

Out: 61.440+/-0.009 χ^2/NDF:2769285.8/44

All: 61.895+/-0.006 χ^2/NDF: 4953678.4/85

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.031 χ^2/NDF: 20.4/17

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

Right Out: -0.000+/-0.029 χ^2/NDF: 32.0/20

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

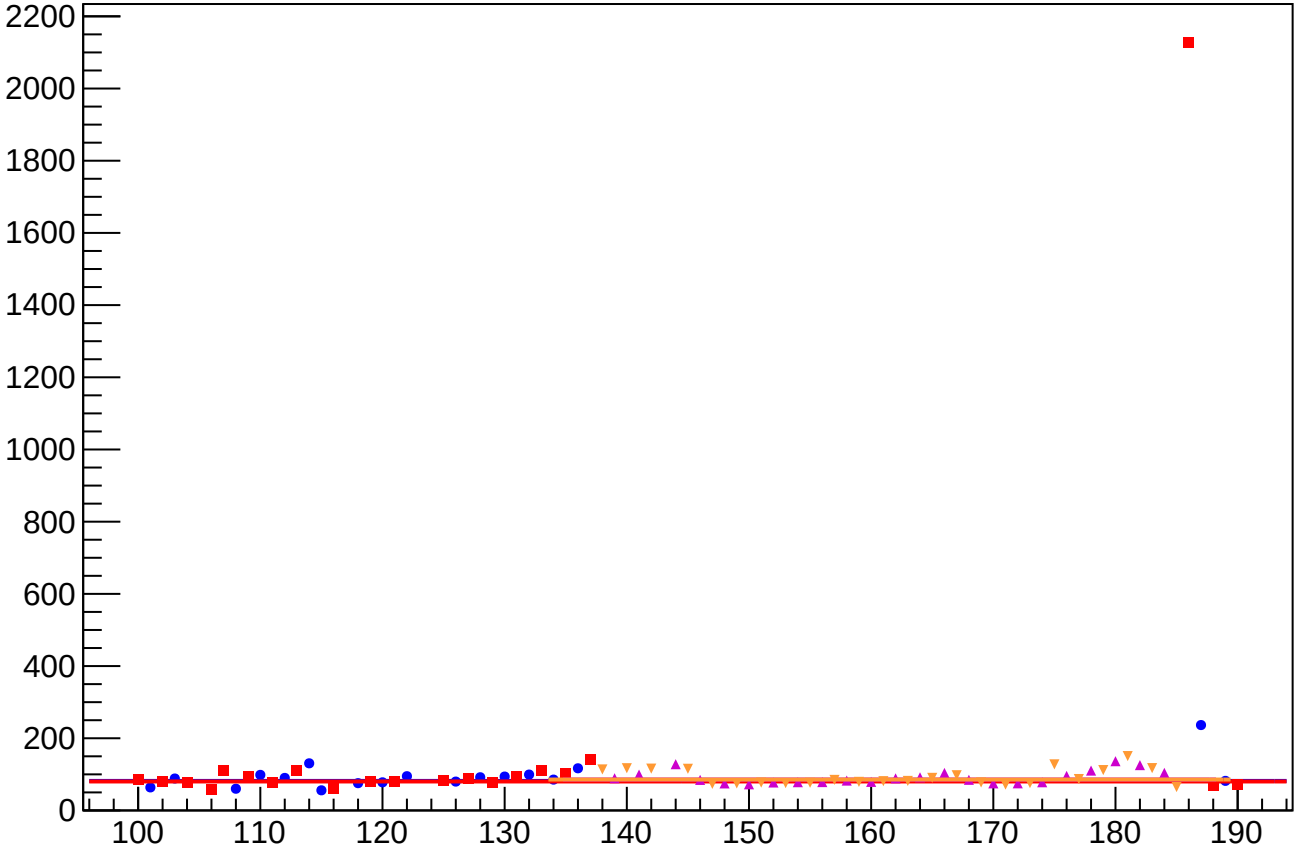
Right: -0.004+/-0.021 χ^2/NDF: 52.4/38

In: -0.001+/-0.017 χ^2/NDF:51.0/40

Out: -0.003+/-0.017 χ^2/NDF:53.3/44

All: -0.002+/-0.012 χ^2/NDF: 104.4/85

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.807+/-0.022 χ^2/NDF: 603803.1/17

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

Right Out: 80.307+/-0.020 χ^2/NDF: 1301149.0/20

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

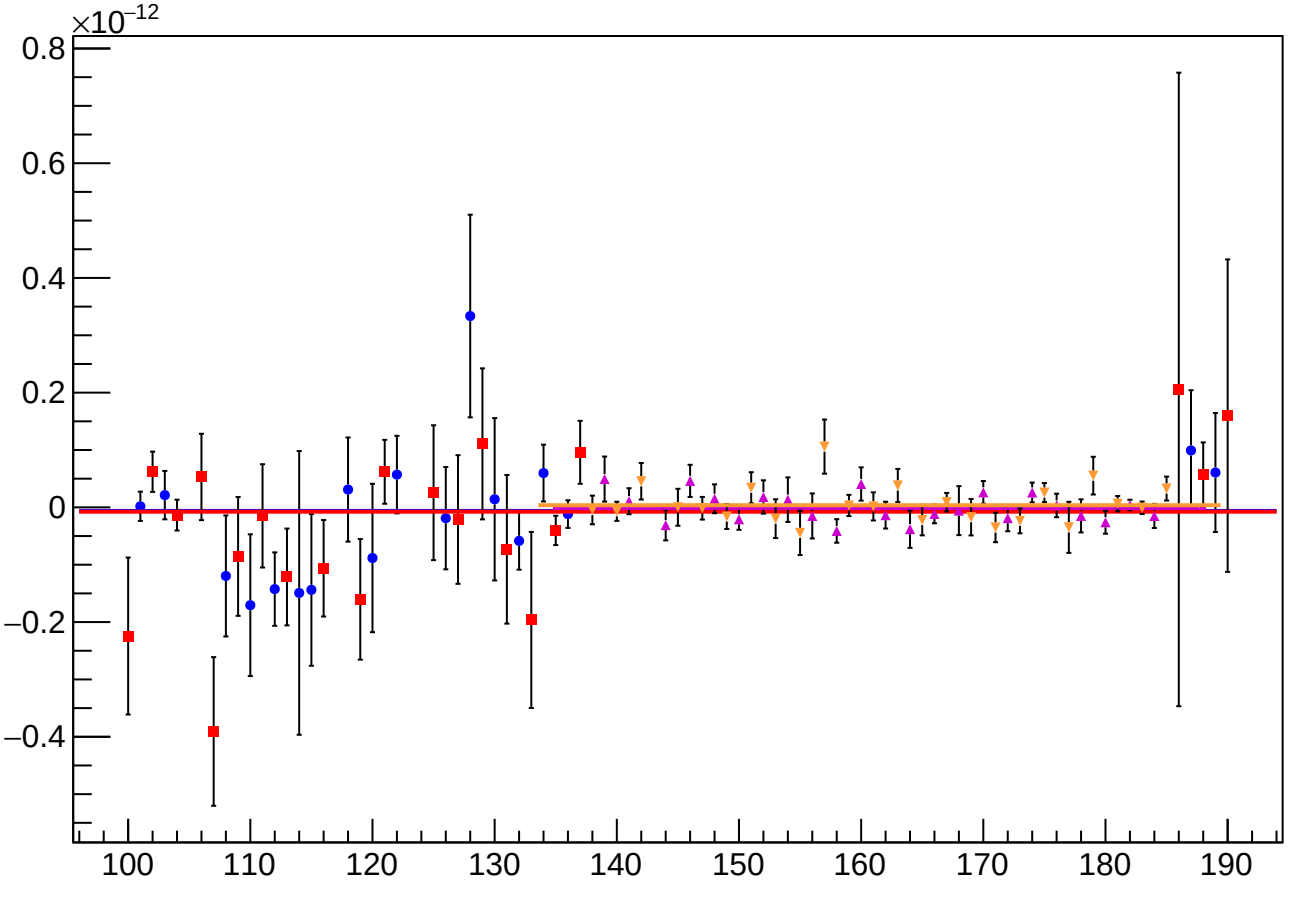
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 81.002+/-0.015 χ^2/NDF: 1907502.8/38

In: 84.475+/-0.012 χ^2/NDF:1621476.3/40

Out: 83.814+/-0.012 χ^2/NDF:2699773.4/44

All: 84.136+/-0.008 χ^2/NDF: 4322766.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/20

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

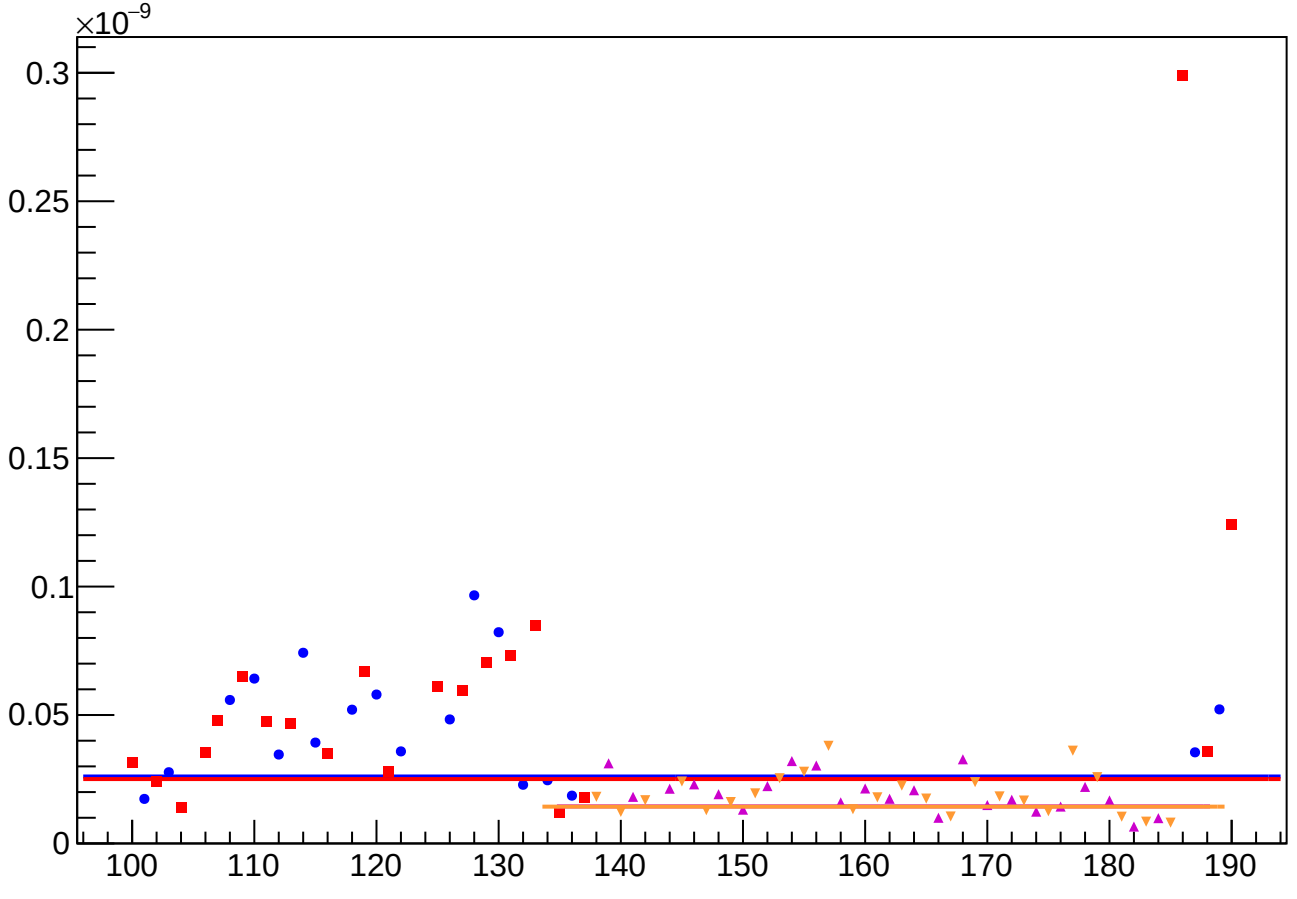
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.0/38

In: -0.000+/-0.000 χ^2/NDF:42.7/40

Out: 0.000+/-0.000 χ^2/NDF:58.8/44

All: 0.000+/-0.000 χ^2/NDF: 101.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 2146687.1/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3926648.8/20

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

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

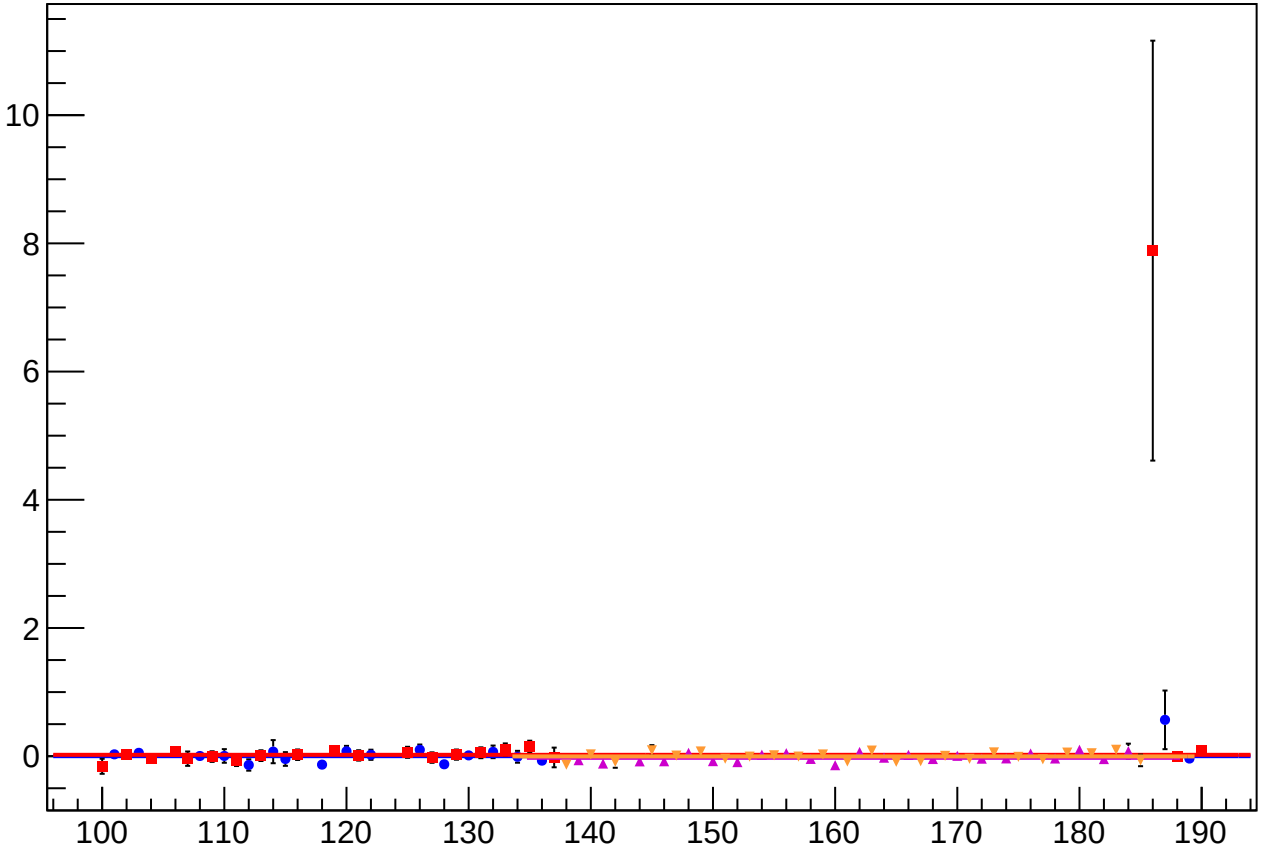
Right: 0.000+/-0.000 χ^2/NDF: 6079252.9/38

In: 0.000+/-0.000 χ^2/NDF:7832602.1/40

Out: 0.000+/-0.000 χ^2/NDF:8762610.7/44

All: 0.000+/-0.000 χ^2/NDF: 16597593.4/85

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.015 χ^2/NDF: 18.0/17

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

Right Out: 0.022+/-0.014 χ^2/NDF: 20.3/20

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

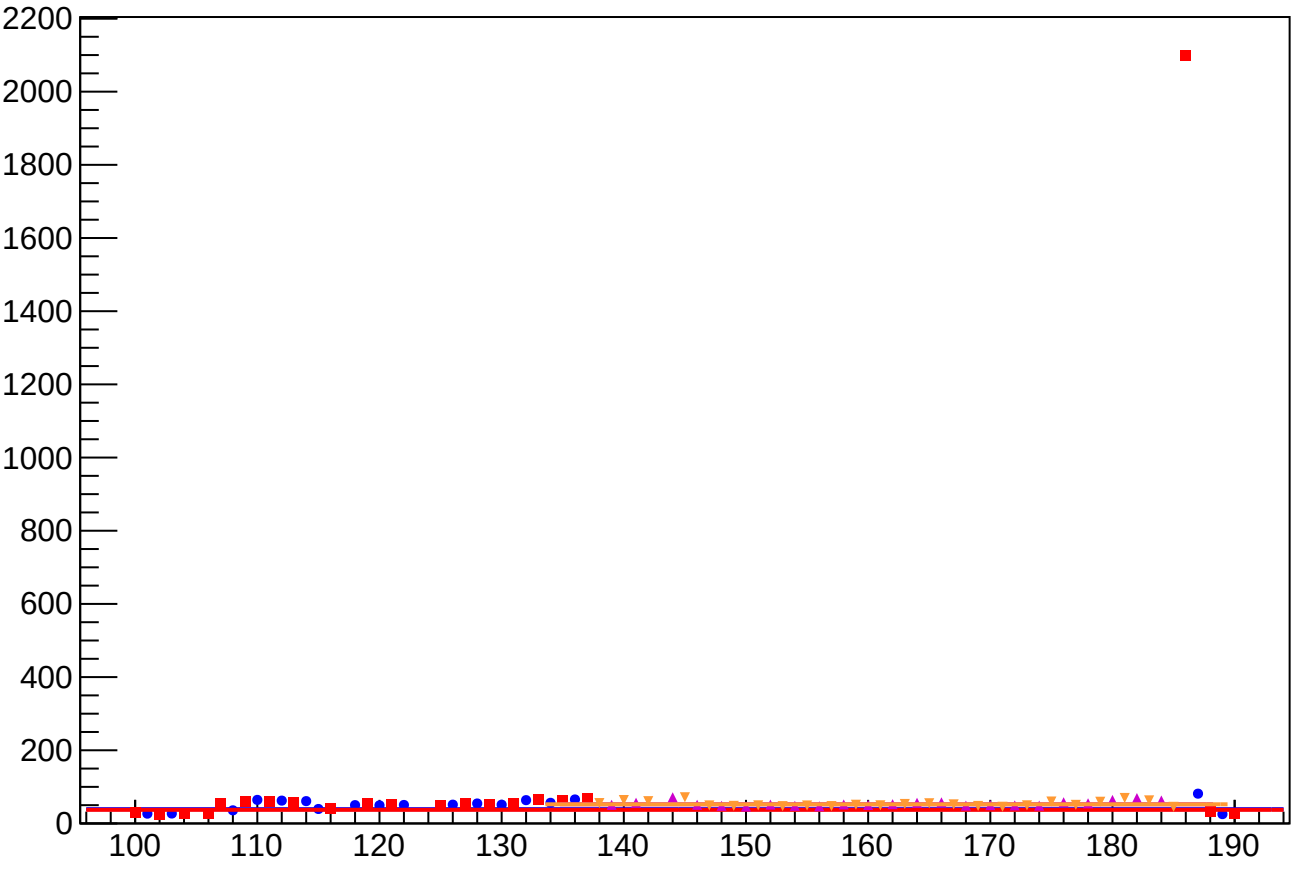
Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

Right: 0.012+/-0.010 χ^2/NDF: 39.4/38

In: -0.015+/-0.010 χ^2/NDF:44.0/40

Out: 0.008+/-0.009 χ^2/NDF:45.2/44

All: -0.003+/-0.007 χ^2/NDF: 92.2/85



Right In: 39.047+/-0.011 χ^2/NDF: 1785085.6/17

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

Right Out: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

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

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

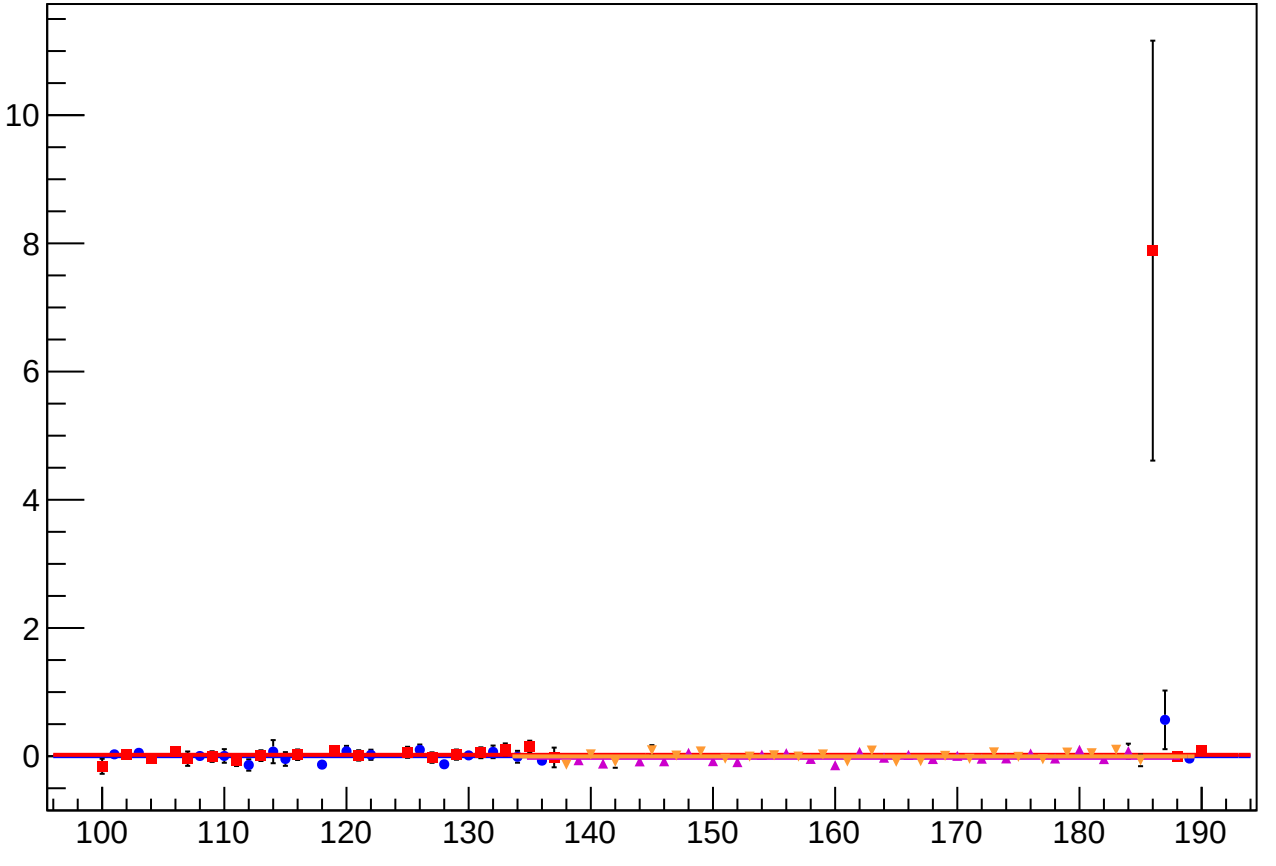
Right: 38.074+/-0.007 χ^2/NDF: 4573898.9/38

In: 47.089+/-0.007 χ^2/NDF:3156592.2/40

Out: 45.667+/-0.007 χ^2/NDF:4607303.5/44

All: 46.347+/-0.005 χ^2/NDF: 7786415.7/85

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.015 χ^2/NDF: 18.0/17

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

Right Out: 0.022+/-0.014 χ^2/NDF: 20.3/20

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

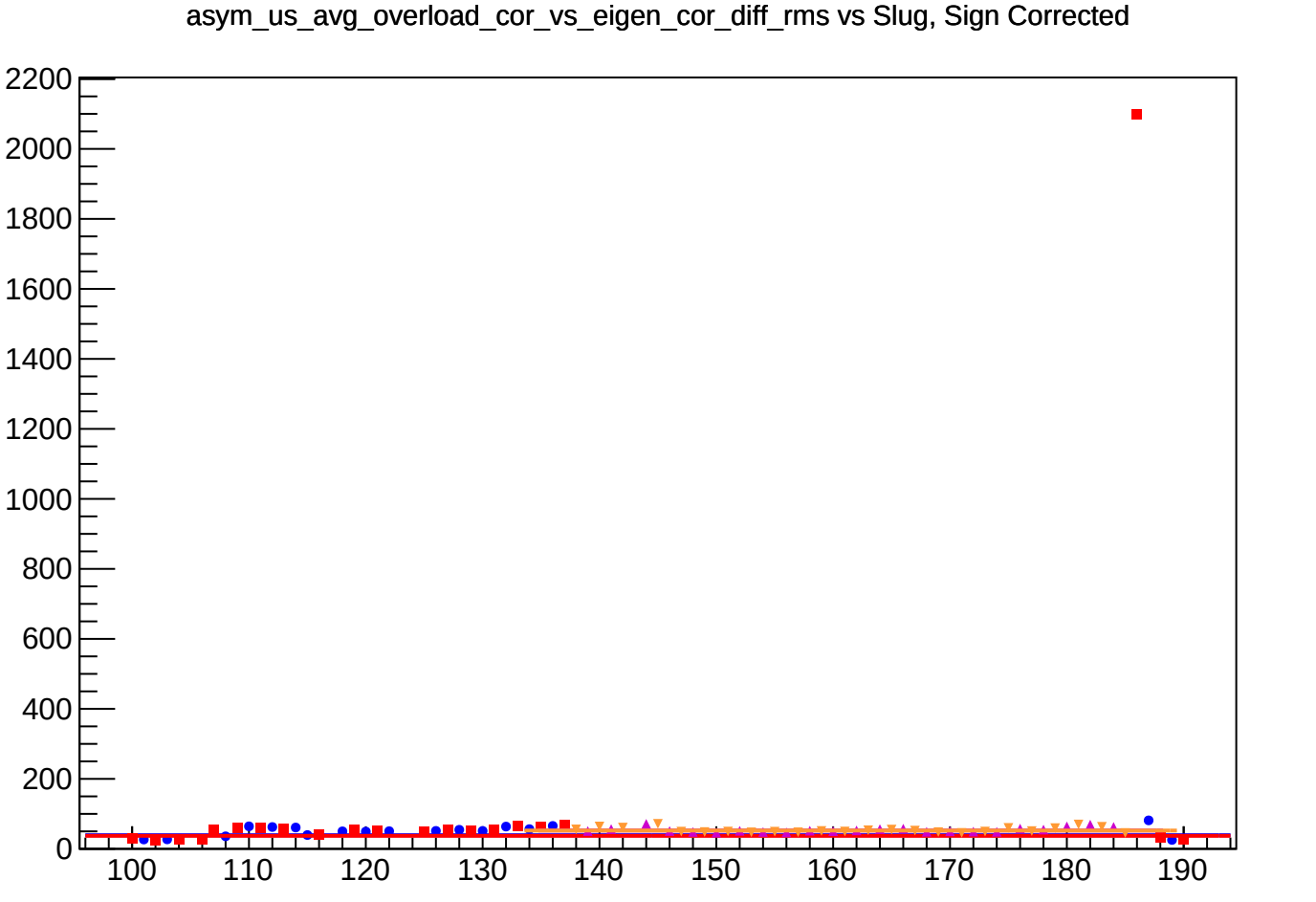
Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

Right: 0.012+/-0.010 χ^2/NDF: 39.4/38

In: -0.015+/-0.010 χ^2/NDF:44.0/40

Out: 0.008+/-0.009 χ^2/NDF:45.2/44

All: -0.003+/-0.007 χ^2/NDF: 92.2/85



Right In: 39.047+/-0.011 χ^2/NDF: 1785085.6/17

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

Right Out: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

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

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

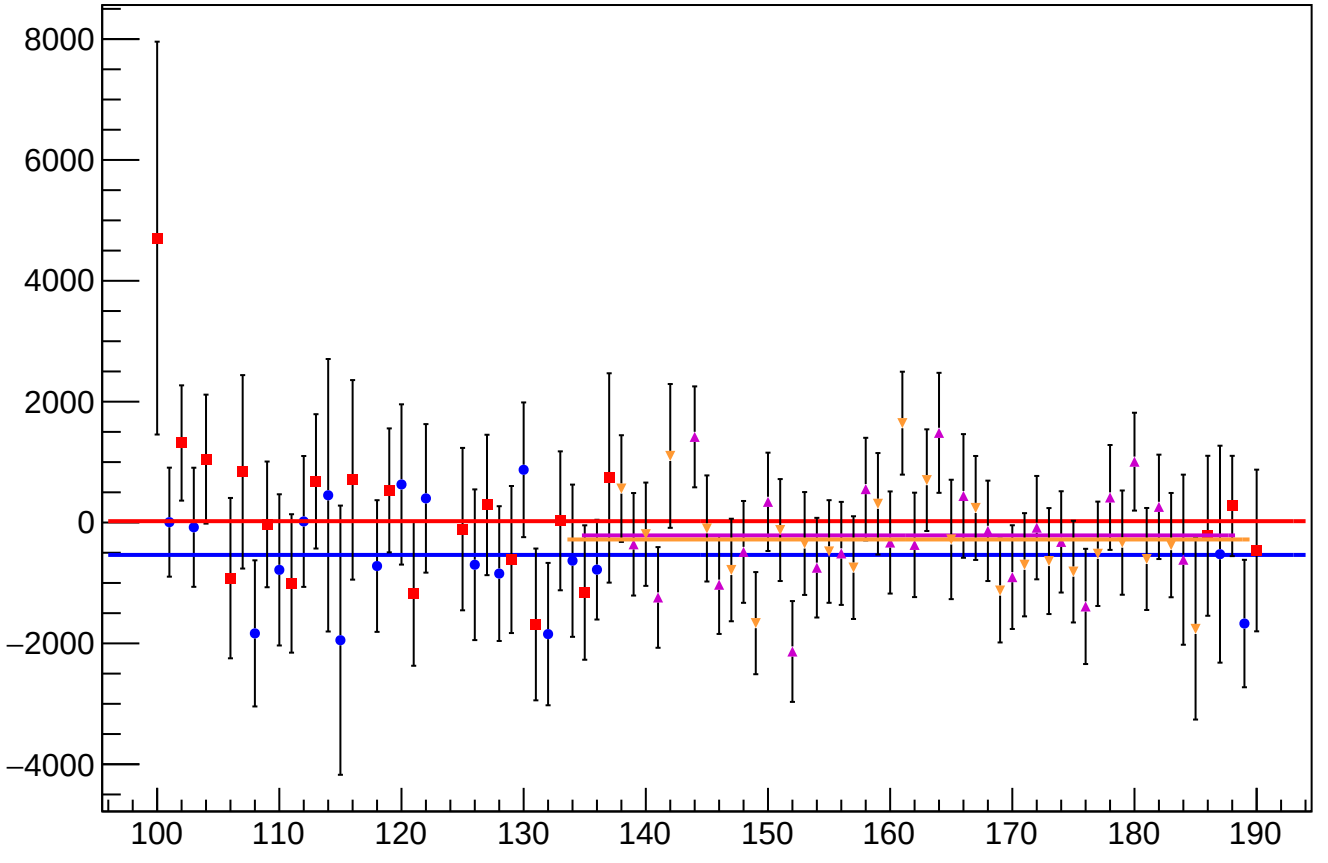
Right: 38.074+/-0.007 χ^2/NDF: 4573898.9/38

In: 47.089+/-0.007 χ^2/NDF:3156592.2/40

Out: 45.667+/-0.007 χ^2/NDF:4607303.5/44

All: 46.347+/-0.005 χ^2/NDF: 7786415.7/85

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

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

Right Out: 22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

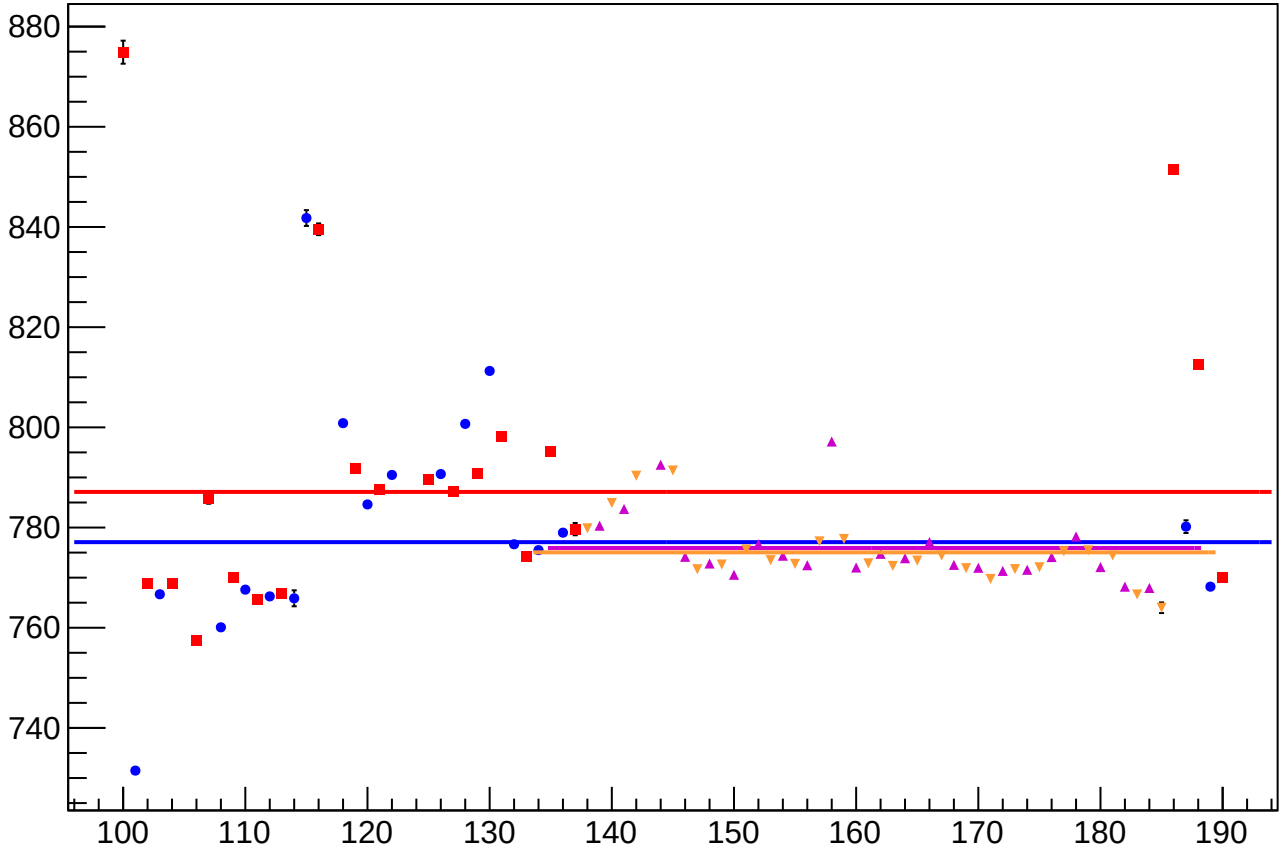
Right: -242.229+/-189.598 χ^2/NDF: 22.3/38

In: -310.843+/-151.351 χ^2/NDF:31.5/40

Out: -183.061+/-148.190 χ^2/NDF:28.9/44

All: -245.604+/-105.886 χ^2/NDF: 60.8/85

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

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

Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

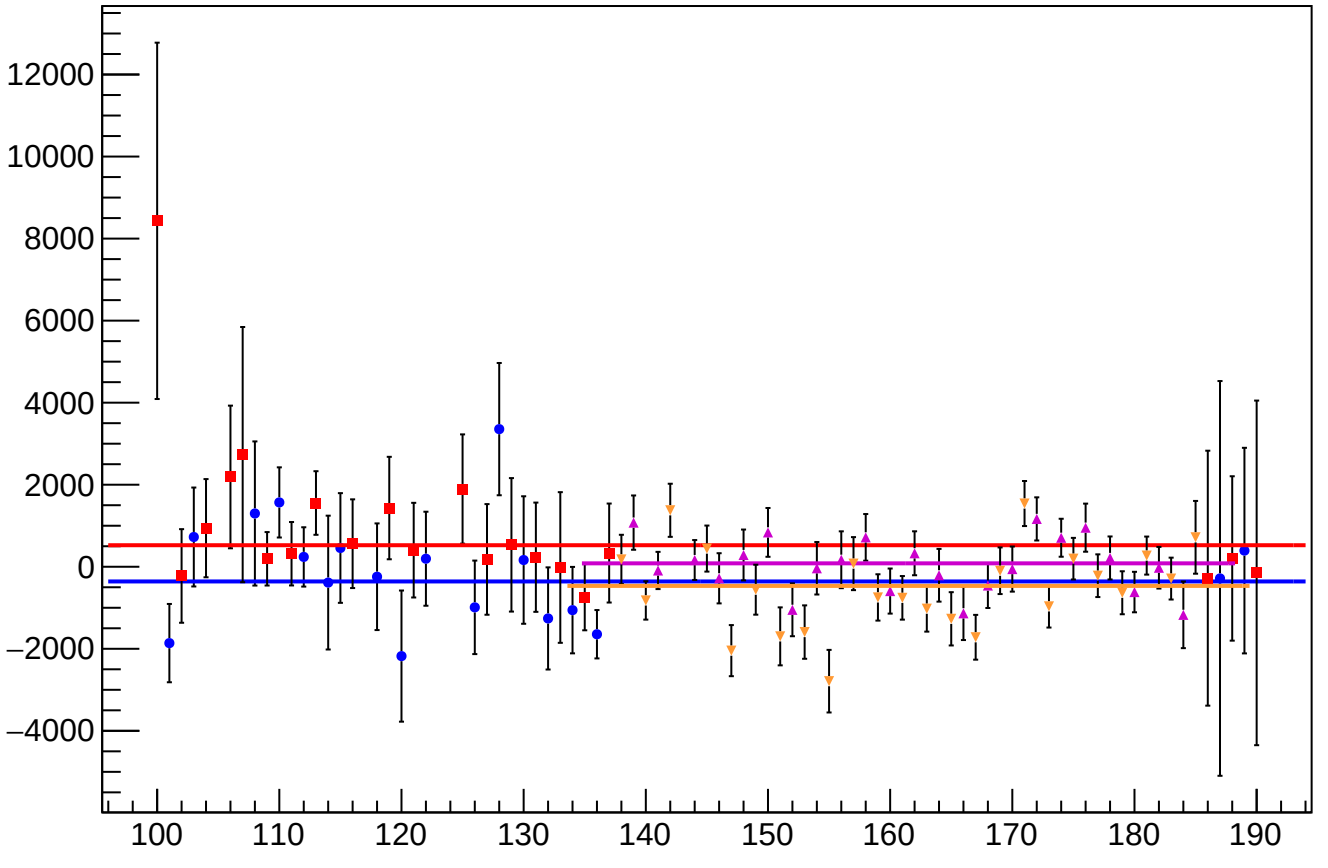
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 782.360+/-0.134 χ^2/NDF: 28867.2/38

In: 776.274+/-0.107 χ^2/NDF:15209.6/40

Out: 778.926+/-0.105 χ^2/NDF:20102.7/44

All: 777.628+/-0.075 χ^2/NDF: 35625.8/85



Right In: -358.267+/-264.799 χ^2/NDF: 23.4/17

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

Right Out: 524.942+/-259.266 χ^2/NDF: 11.8/20

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

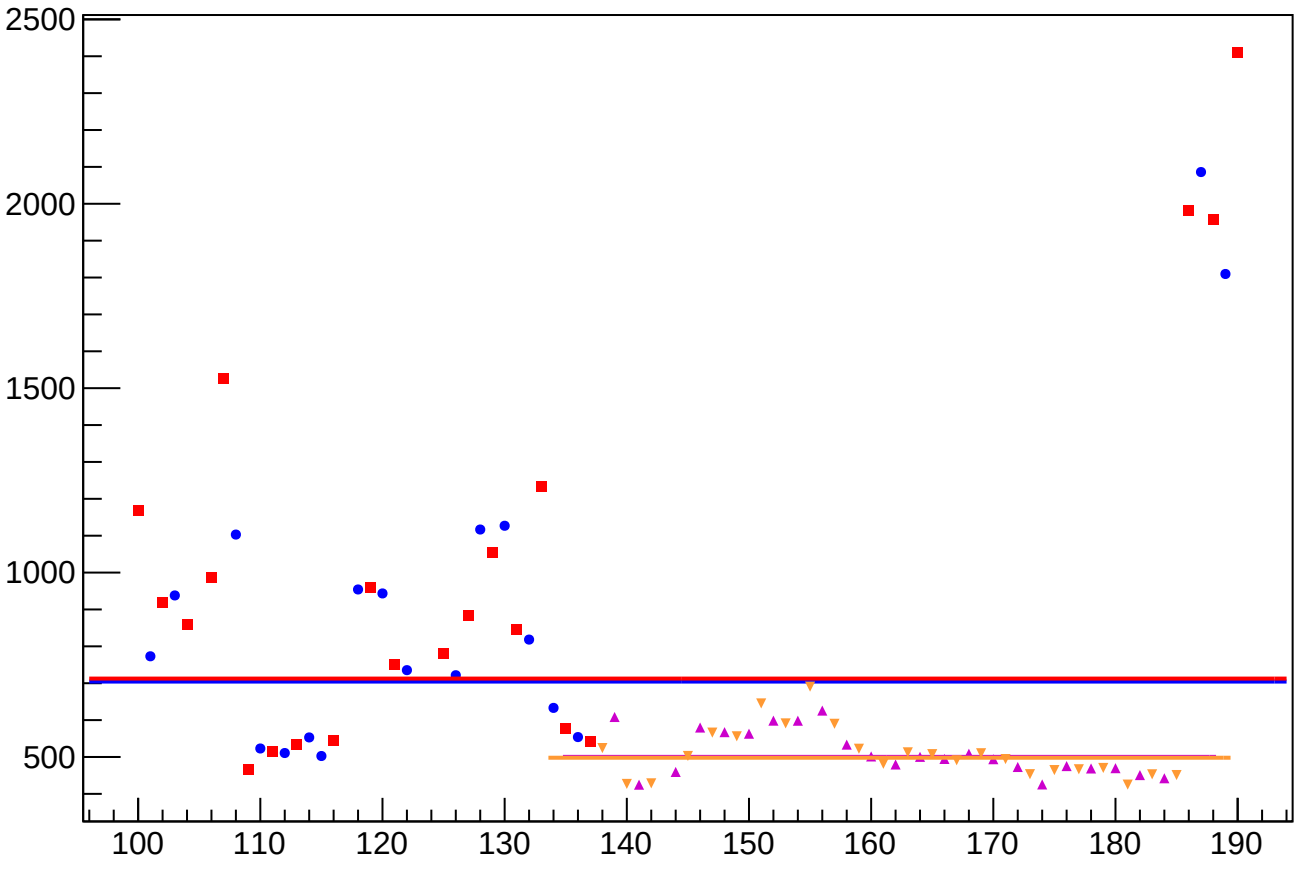
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 92.661+/-185.254 χ^2/NDF: 40.9/38

In: 10.219+/-107.636 χ^2/NDF:53.8/40

Out: -299.981+/-106.426 χ^2/NDF:88.4/44

All: -146.635+/-75.679 χ^2/NDF: 146.4/85



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

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

Right Out: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

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

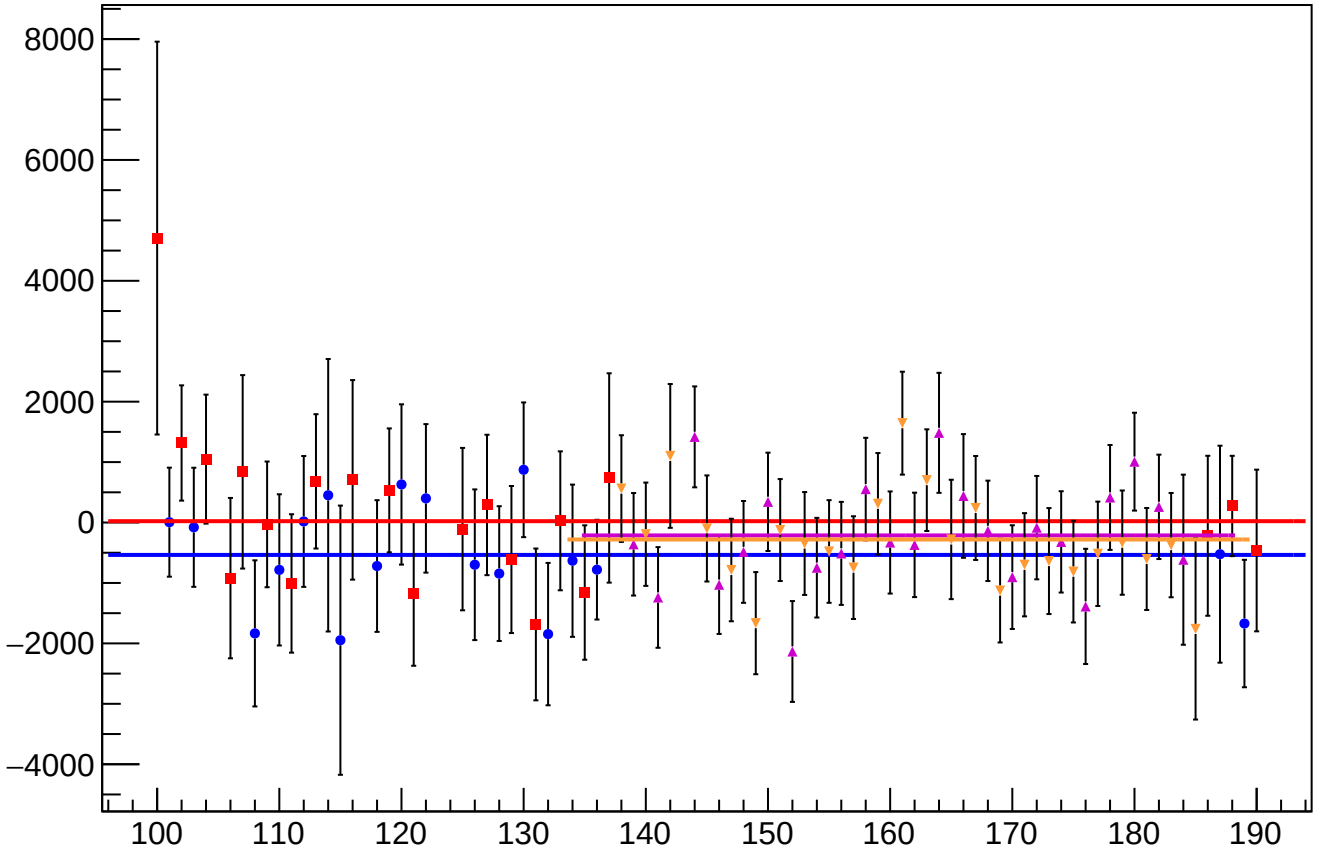
Right: 708.613+/-0.131 χ^2/NDF: 4380039.7/38

In: 534.042+/-0.076 χ^2/NDF:3063614.4/40

Out: 534.128+/-0.075 χ^2/NDF:4451884.3/44

All: 534.085+/-0.054 χ^2/NDF: 7515499.4/85

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

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

Right Out: 22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

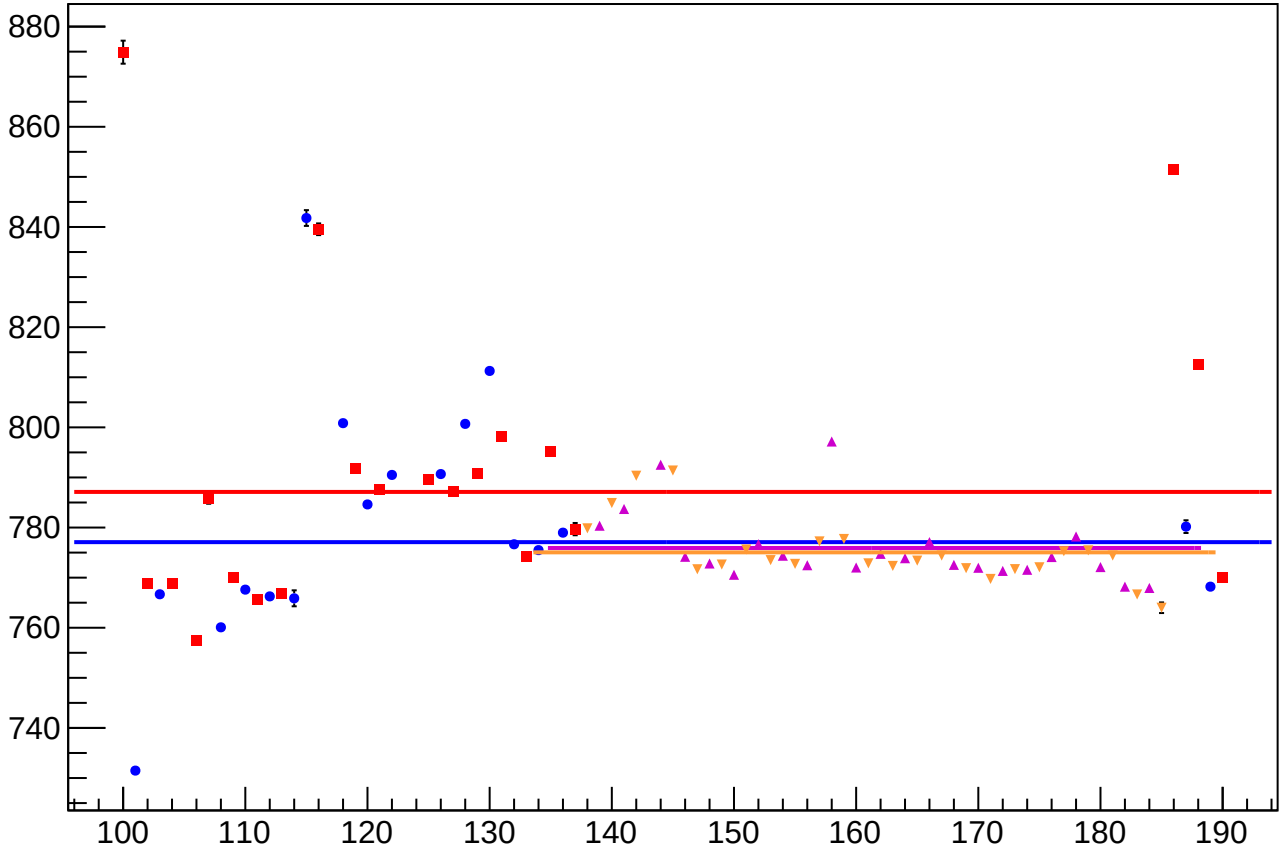
Right: -242.229+/-189.598 χ^2/NDF: 22.3/38

In: -310.843+/-151.351 χ^2/NDF:31.5/40

Out: -183.061+/-148.190 χ^2/NDF:28.9/44

All: -245.604+/-105.886 χ^2/NDF: 60.8/85

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

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

Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

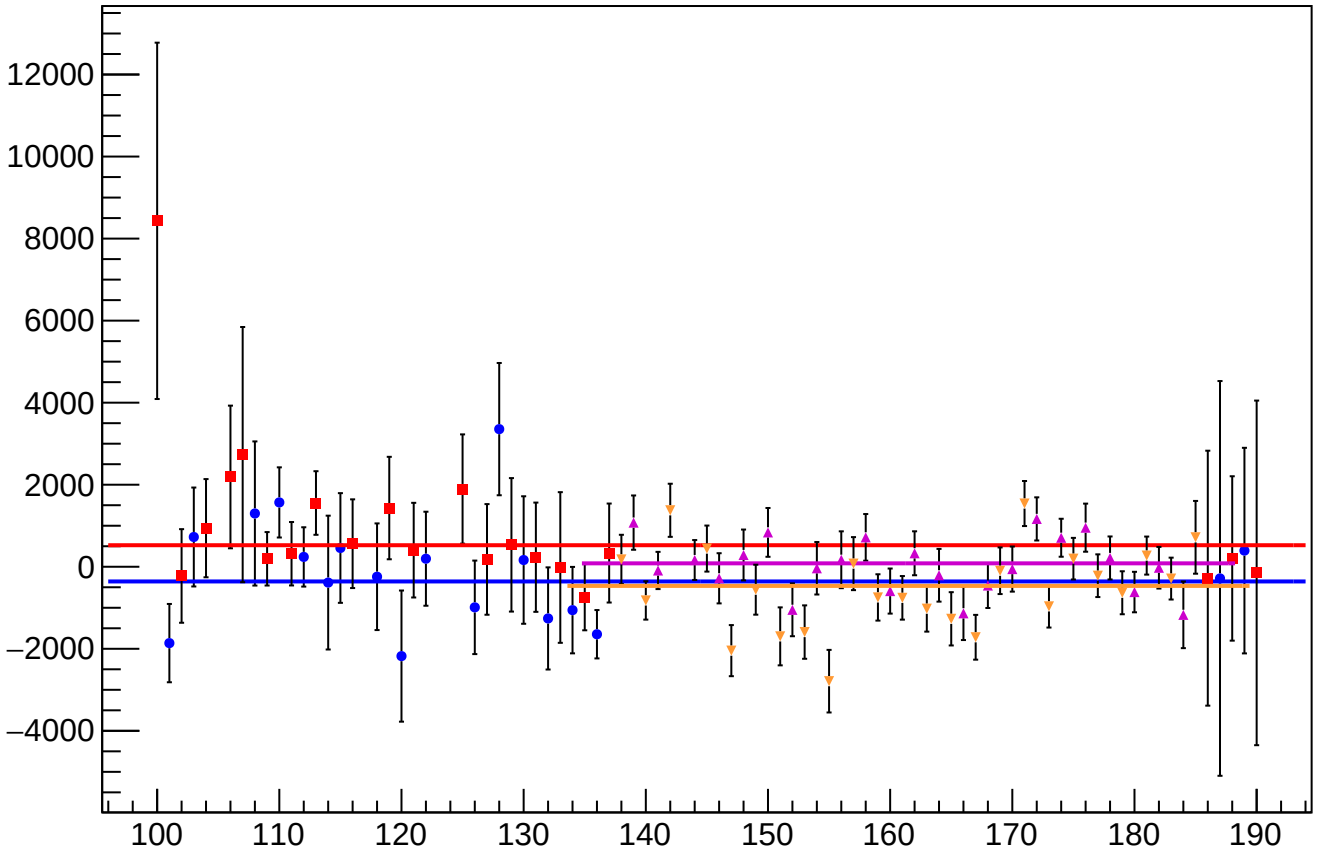
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 782.360+/-0.134 χ^2/NDF: 28867.2/38

In: 776.274+/-0.107 χ^2/NDF:15209.6/40

Out: 778.926+/-0.105 χ^2/NDF:20102.7/44

All: 777.628+/-0.075 χ^2/NDF: 35625.8/85



Right In: -358.267+/-264.799 χ^2/NDF: 23.4/17

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

Right Out: 524.942+/-259.266 χ^2/NDF: 11.8/20

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

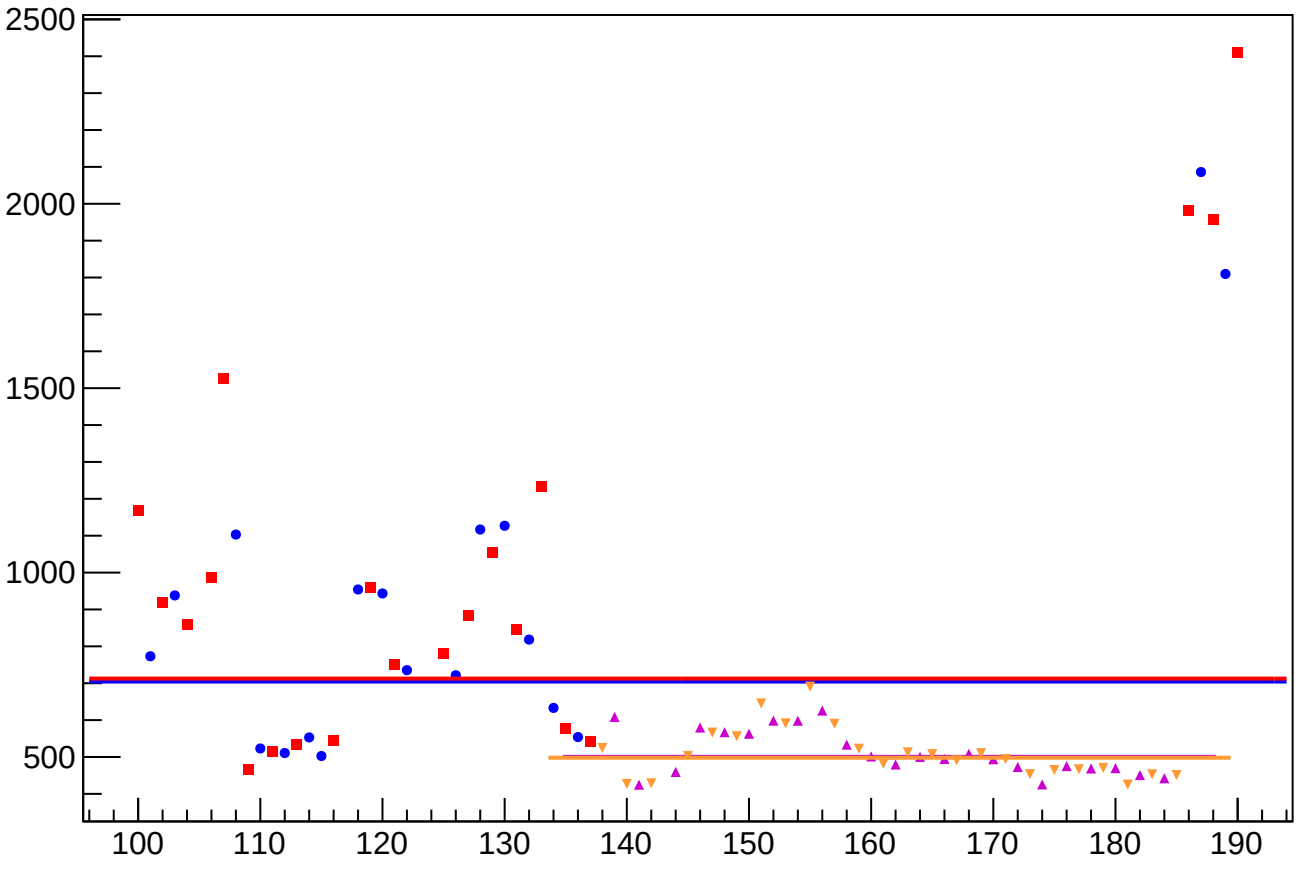
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 92.661+/-185.254 χ^2/NDF: 40.9/38

In: 10.219+/-107.636 χ^2/NDF:53.8/40

Out: -299.981+/-106.426 χ^2/NDF:88.4/44

All: -146.635+/-75.679 χ^2/NDF: 146.4/85



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

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

Right Out: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

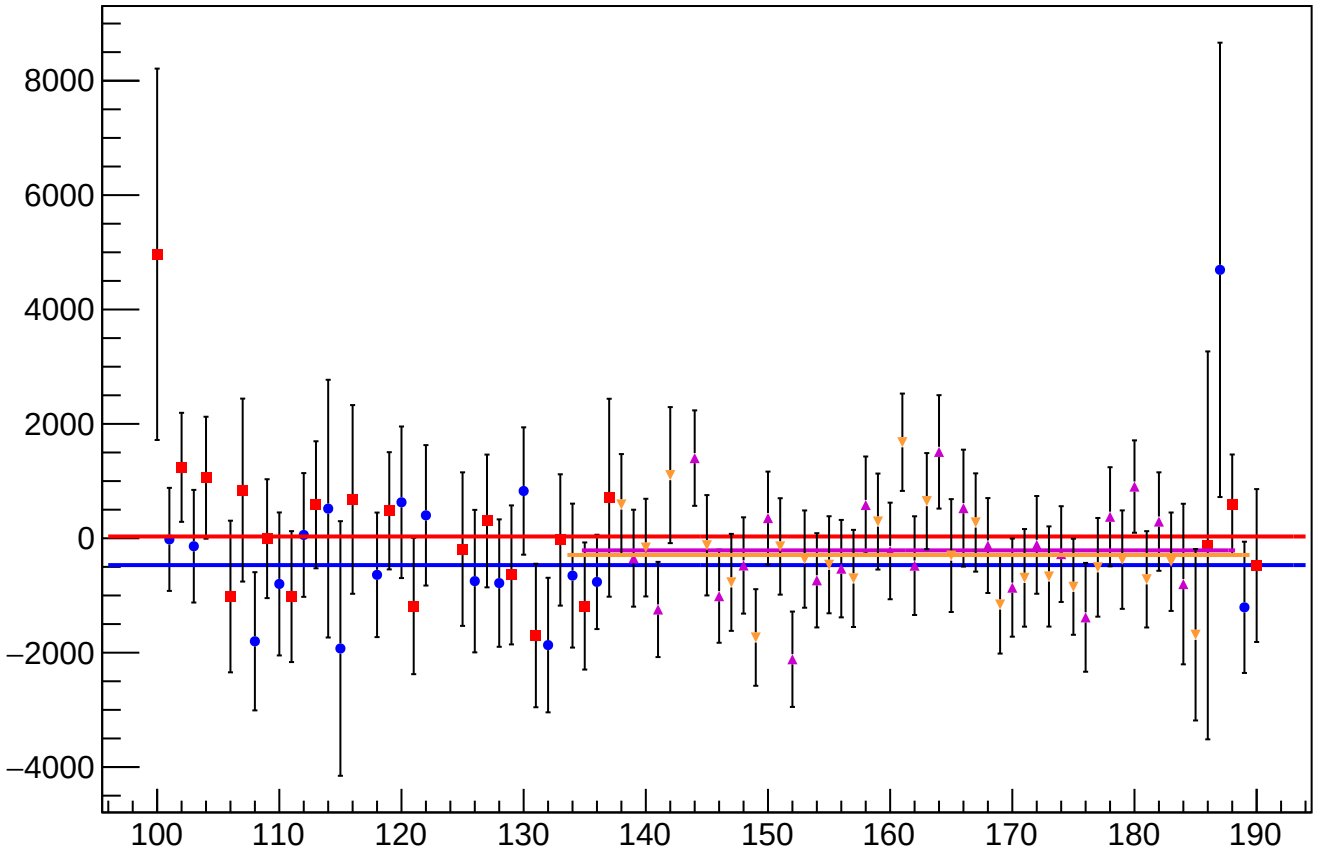
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 708.613+/-0.131 χ^2/NDF: 4380039.7/38

In: 534.042+/-0.076 χ^2/NDF:3063614.4/40

Out: 534.128+/-0.075 χ^2/NDF:4451884.3/44

All: 534.085+/-0.054 χ^2/NDF: 7515499.4/85



Right In: -468.897+/-279.252 χ^2/NDF: 8.9/17

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

Right Out: 31.450+/-266.987 χ^2/NDF: 12.4/20

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

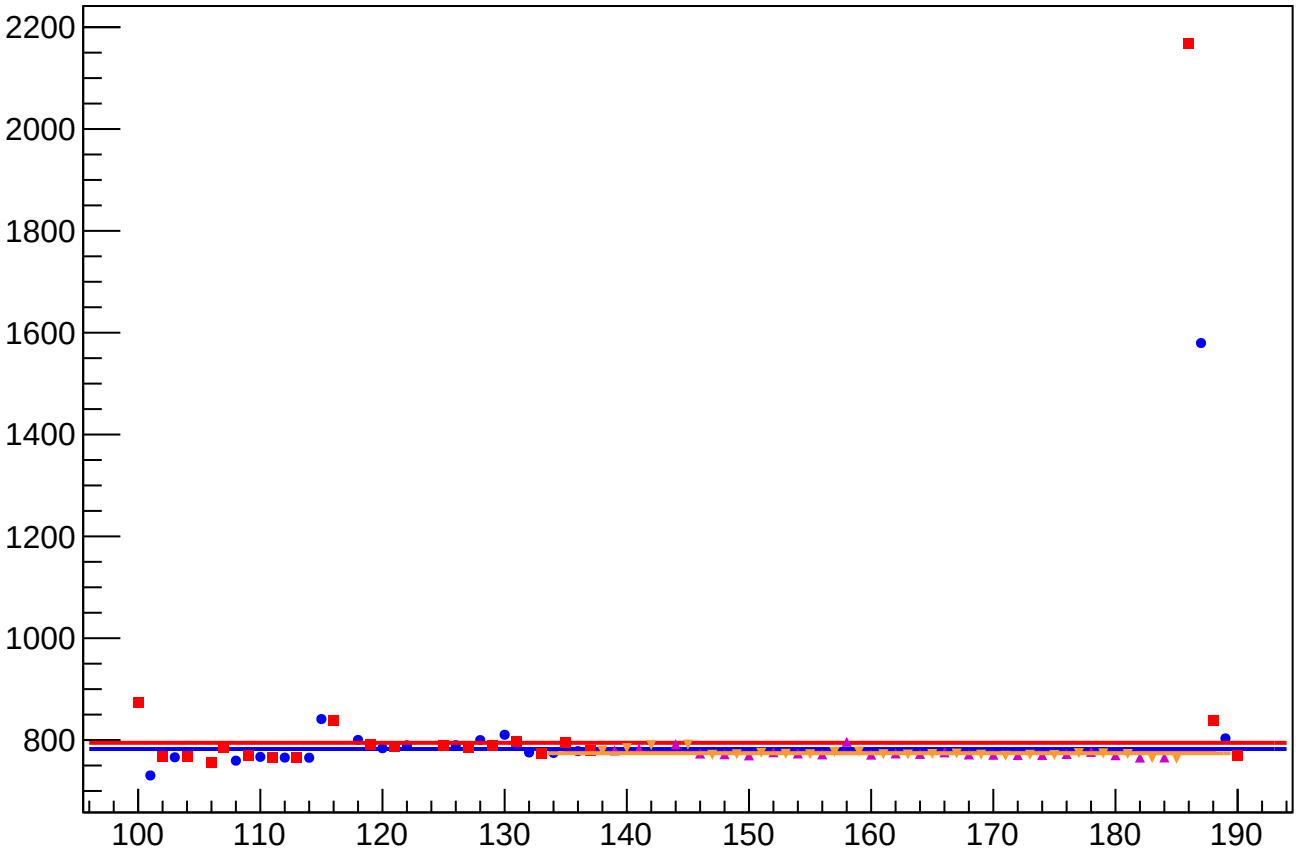
Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

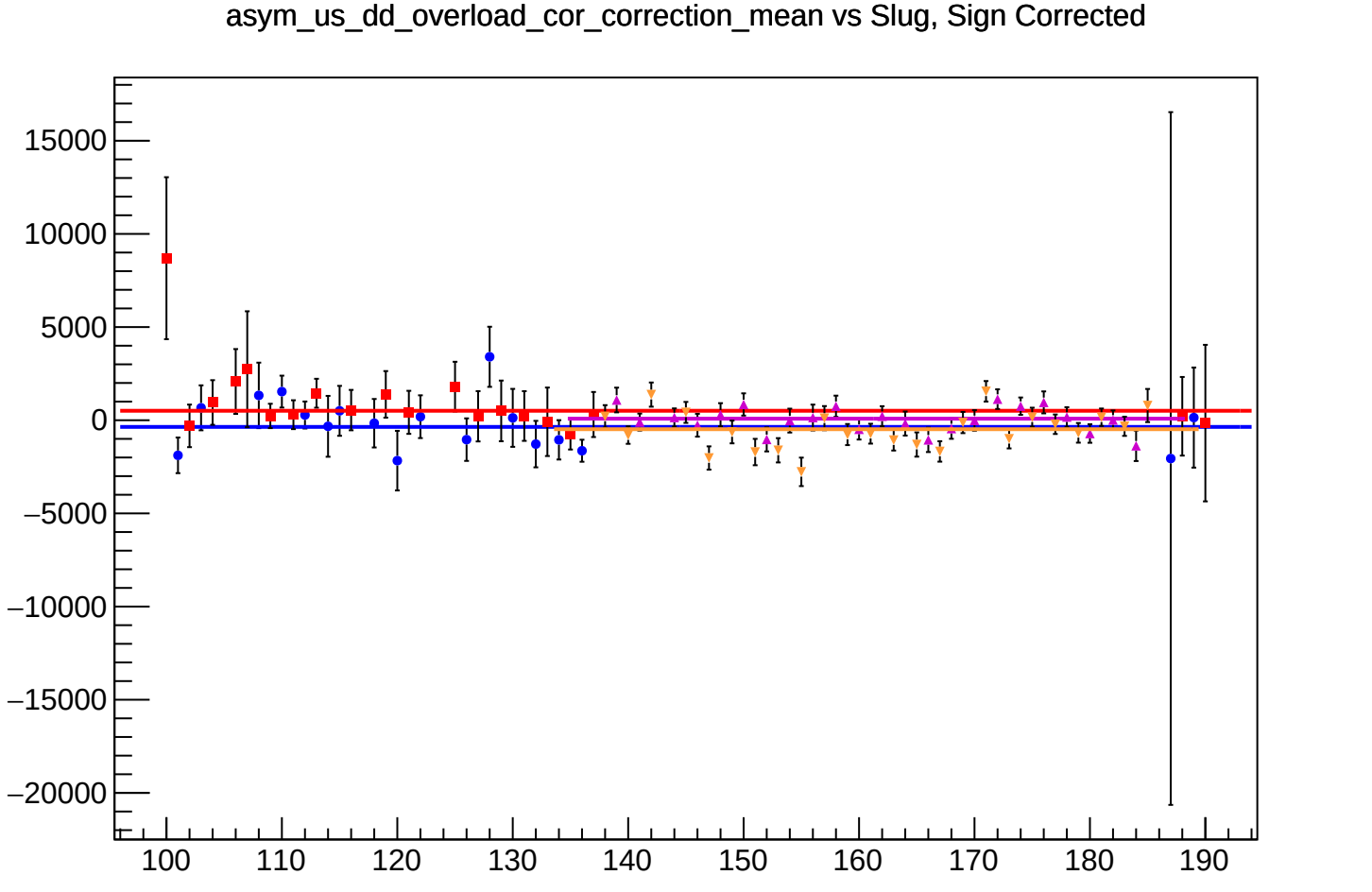
Right: -207.495+/-192.979 χ^2/NDF: 23.0/38

In: -287.432+/-151.857 χ^2/NDF:31.6/40

Out: -191.203+/-149.061 χ^2/NDF:30.0/44

All: -238.424+/-106.377 χ^2/NDF: 61.8/85


overload_cor_asym_us_dd_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
190
Right In: 782.441+/-0.197 χ²/NDF: 94078.8/17
Left Out: 774.142+/-0.127 χ²/NDF:2060.4/23
Right Out: 794.553+/-0.189 χ²/NDF: 345387.2/20
Left In: 774.990+/-0.128 χ²/NDF:3148.2/22
Left: 774.563+/-0.090 χ²/NDF: 5230.7/46
Right: 788.769+/-0.136 χ²/NDF: 441431.6/38
In: 777.193+/-0.107 χ²/NDF:98229.9/40
Out: 780.504+/-0.105 χ²/NDF:355493.2/44
All: 778.879+/-0.075 χ²/NDF: 454207.4/85



Right In: -358.209+/-265.747 χ^2/NDF: 23.4/17

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

Right Out: 508.085+/-260.771 χ^2/NDF: 11.4/19

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

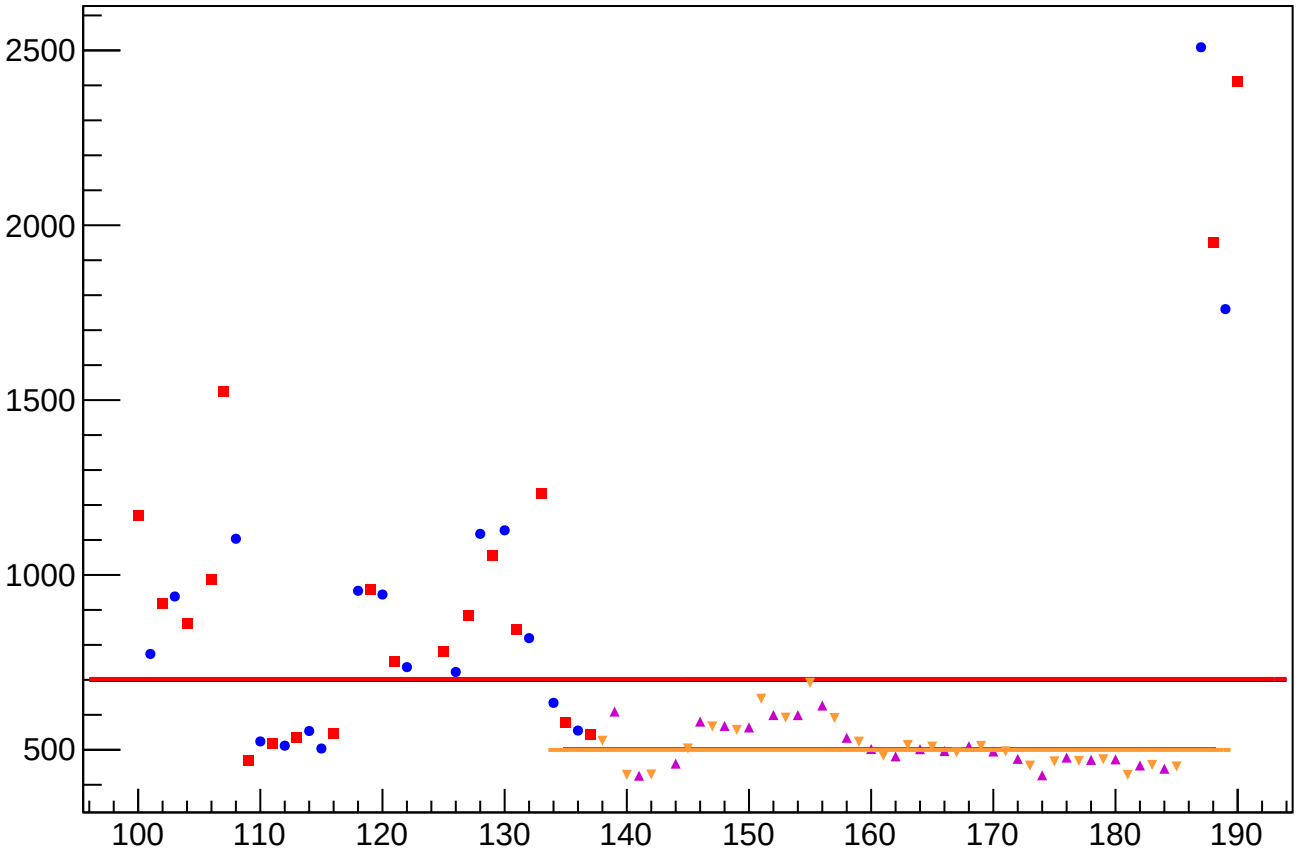
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 83.124+/-186.128 χ^2/NDF: 40.3/37

In: 10.300+/-107.994 χ^2/NDF:54.0/40

Out: -315.303+/-106.817 χ^2/NDF:86.9/43

All: -154.285+/-75.944 χ^2/NDF: 145.5/84



Right In: 699.690+/-0.188 χ^2/NDF: 1362224.3/17

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

Right Out: 702.729+/-0.184 χ^2/NDF: 2358770.3/19

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

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

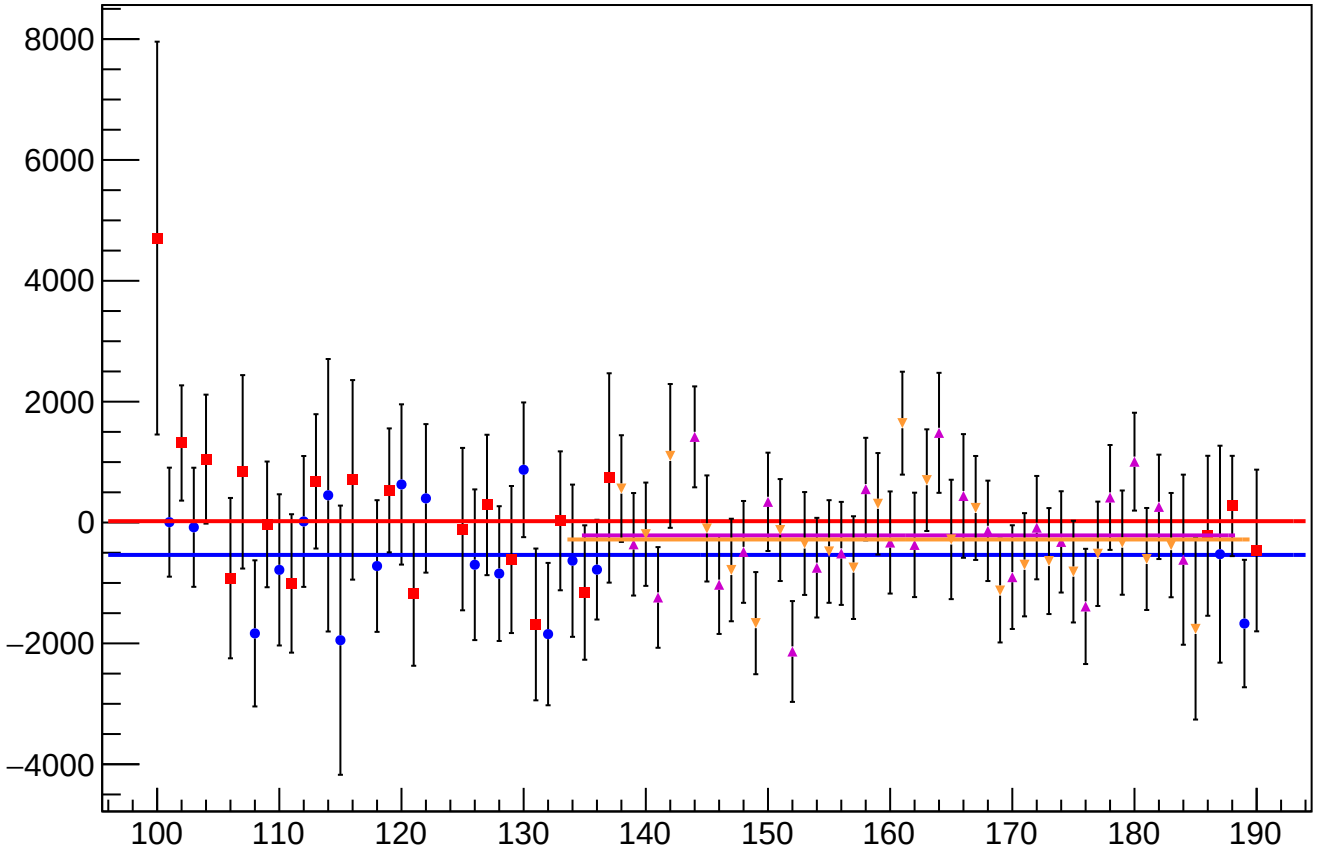
Right: 701.238+/-0.132 χ^2/NDF: 3721127.8/37

In: 534.669+/-0.076 χ^2/NDF:2753435.7/40

Out: 533.741+/-0.076 χ^2/NDF:3884306.9/43

All: 534.200+/-0.054 χ^2/NDF: 6637817.3/84

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

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

Right Out: 22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

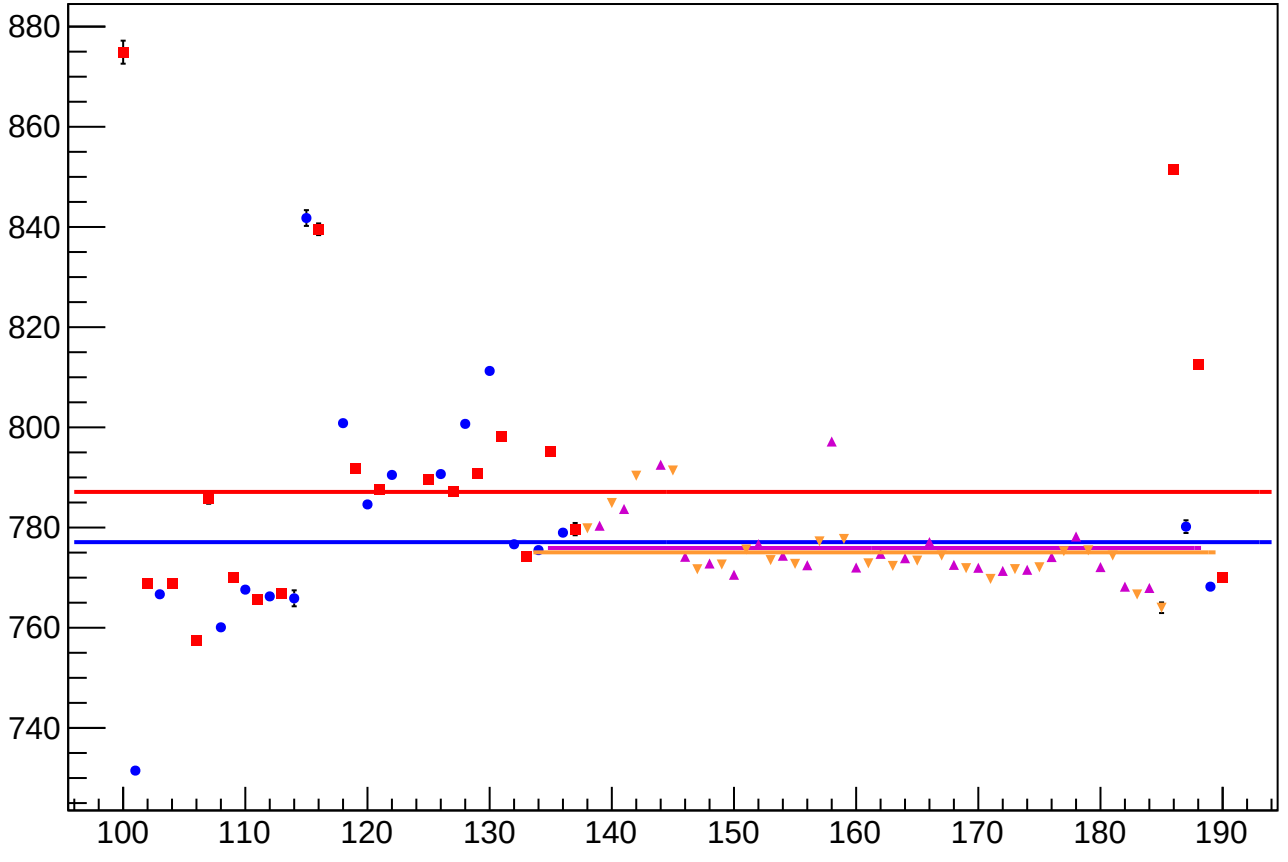
Right: -242.229+/-189.598 χ^2/NDF: 22.3/38

In: -310.843+/-151.351 χ^2/NDF:31.5/40

Out: -183.061+/-148.190 χ^2/NDF:28.9/44

All: -245.604+/-105.886 χ^2/NDF: 60.8/85

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

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

Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

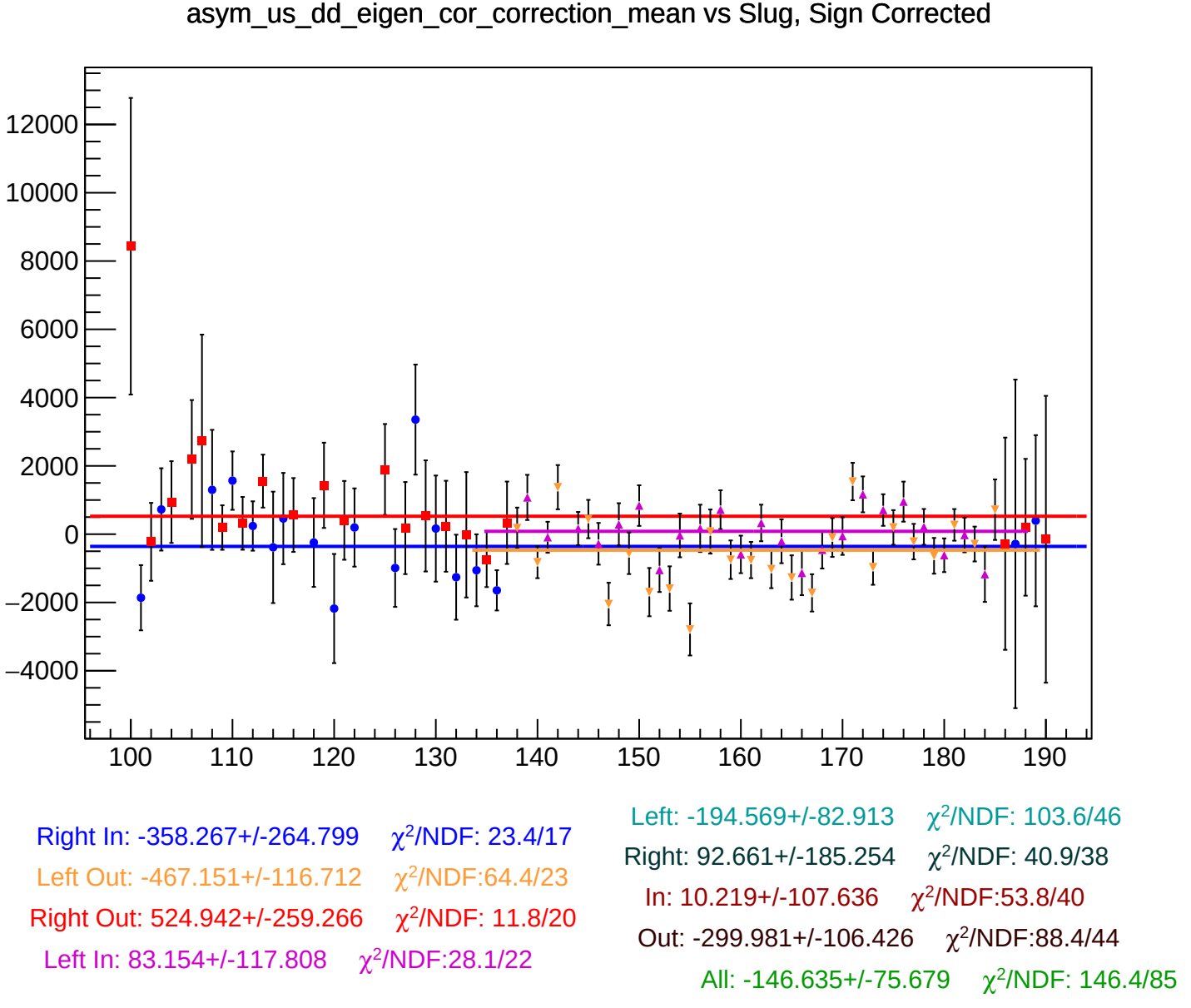
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

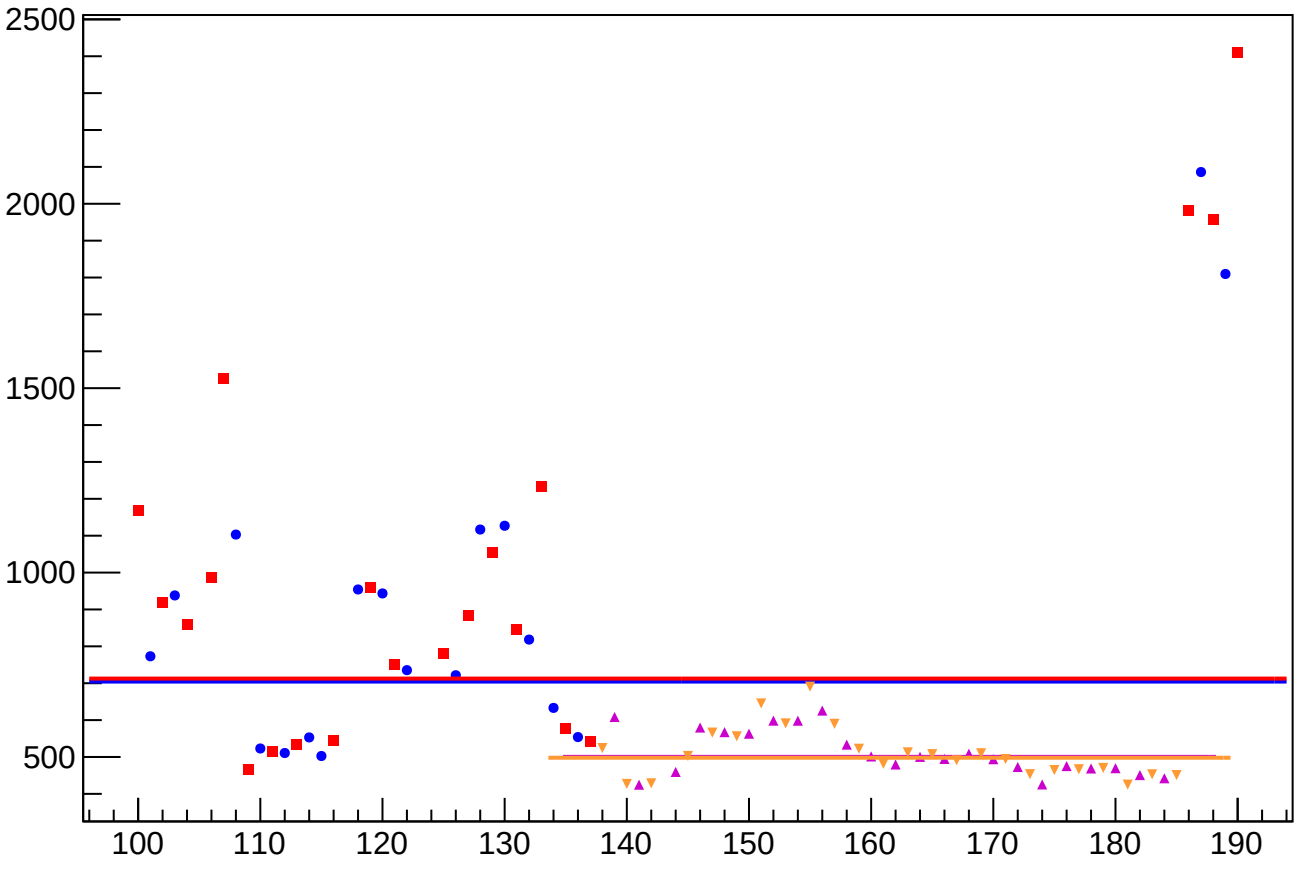
Right: 782.360+/-0.134 χ^2/NDF: 28867.2/38

In: 776.274+/-0.107 χ^2/NDF:15209.6/40

Out: 778.926+/-0.105 χ^2/NDF:20102.7/44

All: 777.628+/-0.075 χ^2/NDF: 35625.8/85


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -358.267+/-264.799 χ²/NDF: 23.4/17
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 524.942+/-259.266 χ²/NDF: 11.8/20
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 92.661+/-185.254 χ²/NDF: 40.9/38
In: 10.219+/-107.636 χ²/NDF:53.8/40
Out: -299.981+/-106.426 χ²/NDF:88.4/44
All: -146.635+/-75.679 χ²/NDF: 146.4/85



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

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

Right Out: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

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

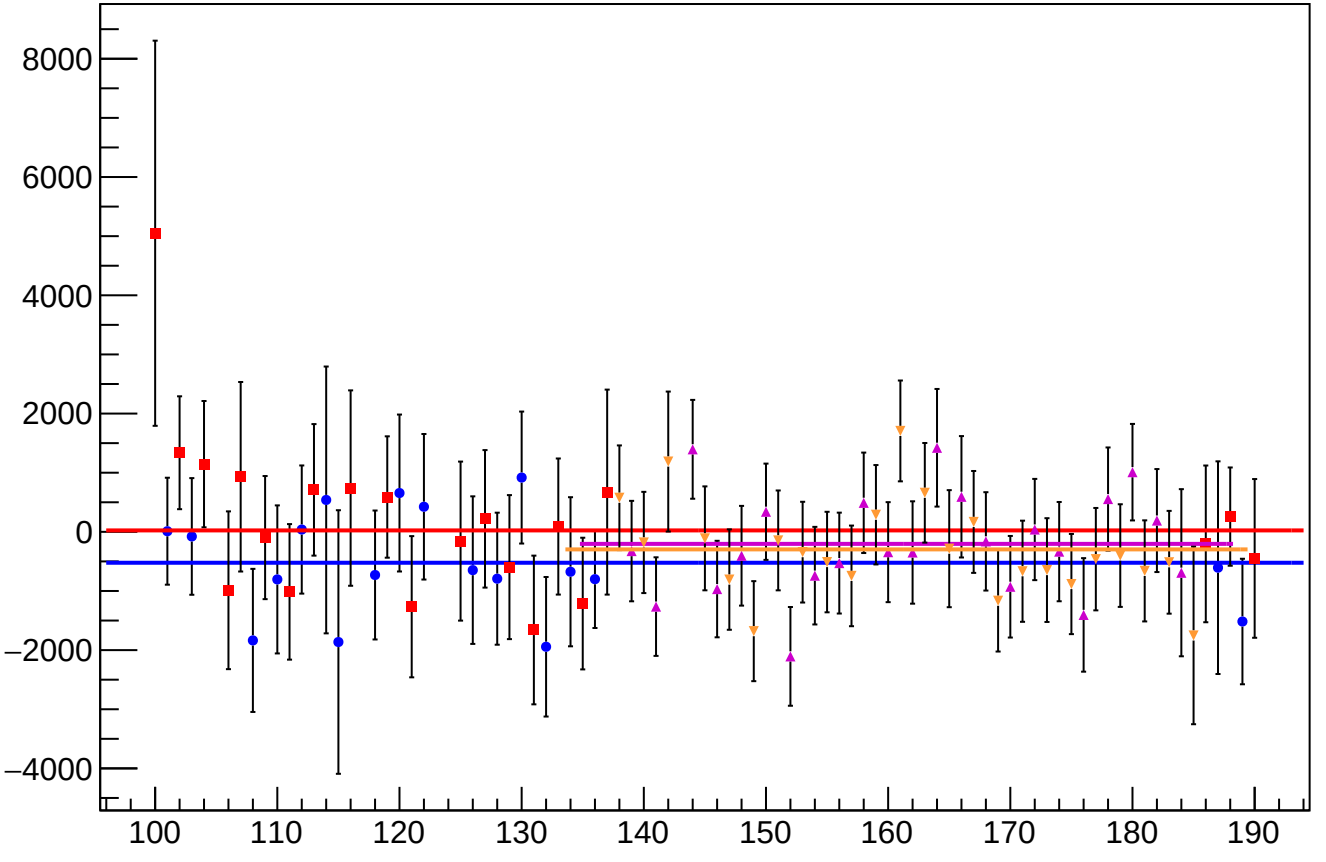
Right: 708.613+/-0.131 χ^2/NDF: 4380039.7/38

In: 534.042+/-0.076 χ^2/NDF:3063614.4/40

Out: 534.128+/-0.075 χ^2/NDF:4451884.3/44

All: 534.085+/-0.054 χ^2/NDF: 7515499.4/85

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -522.634+/-275.758 χ^2/NDF: 8.2/17

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

Right Out: 24.252+/-261.727 χ^2/NDF: 12.9/20

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

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

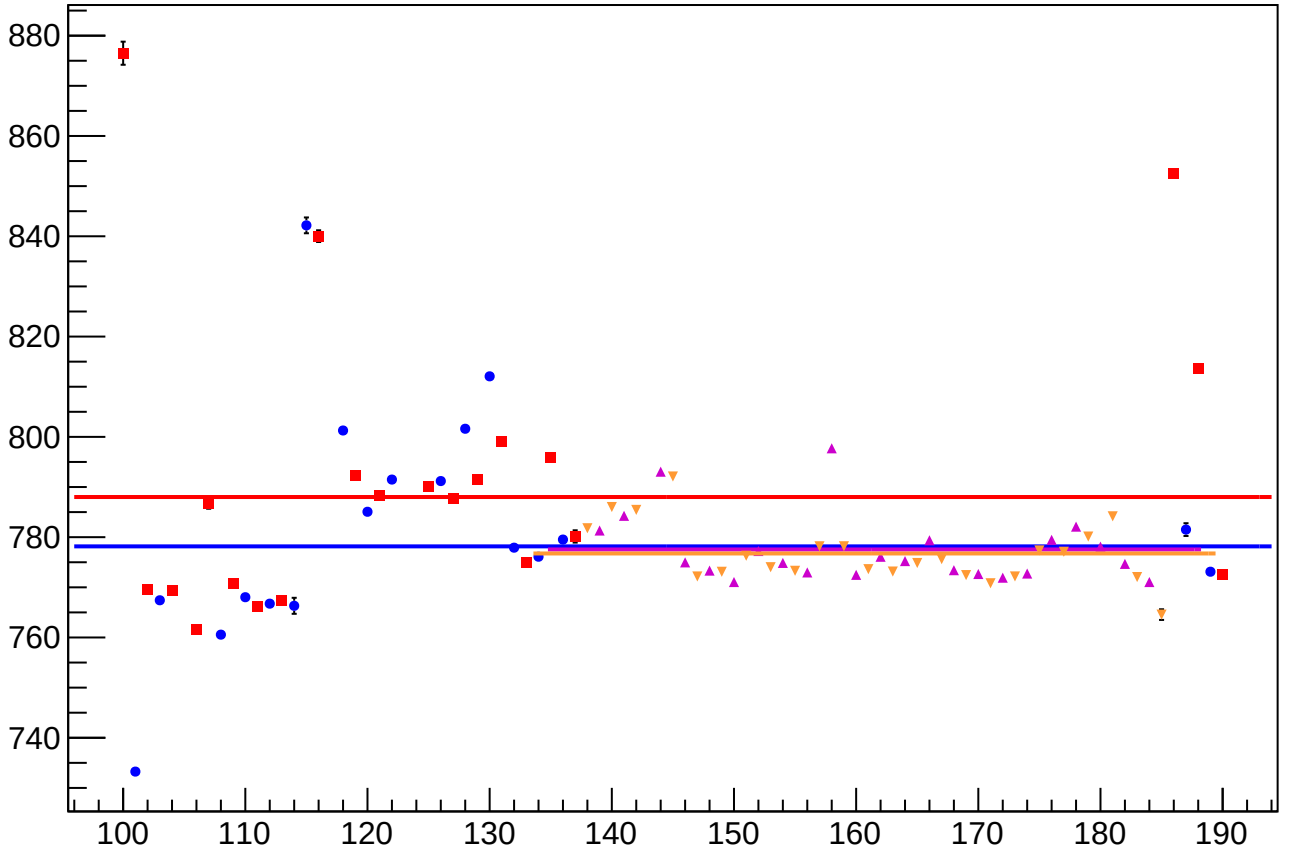
Right: -234.925+/-189.835 χ^2/NDF: 23.2/38

In: -299.886+/-151.636 χ^2/NDF:31.3/40

Out: -193.470+/-148.468 χ^2/NDF:30.6/44

All: -245.555+/-106.085 χ^2/NDF: 62.1/85

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.167+/-0.195 χ^2/NDF: 11849.5/17

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

Right Out: 788.008+/-0.185 χ^2/NDF: 15097.8/20

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

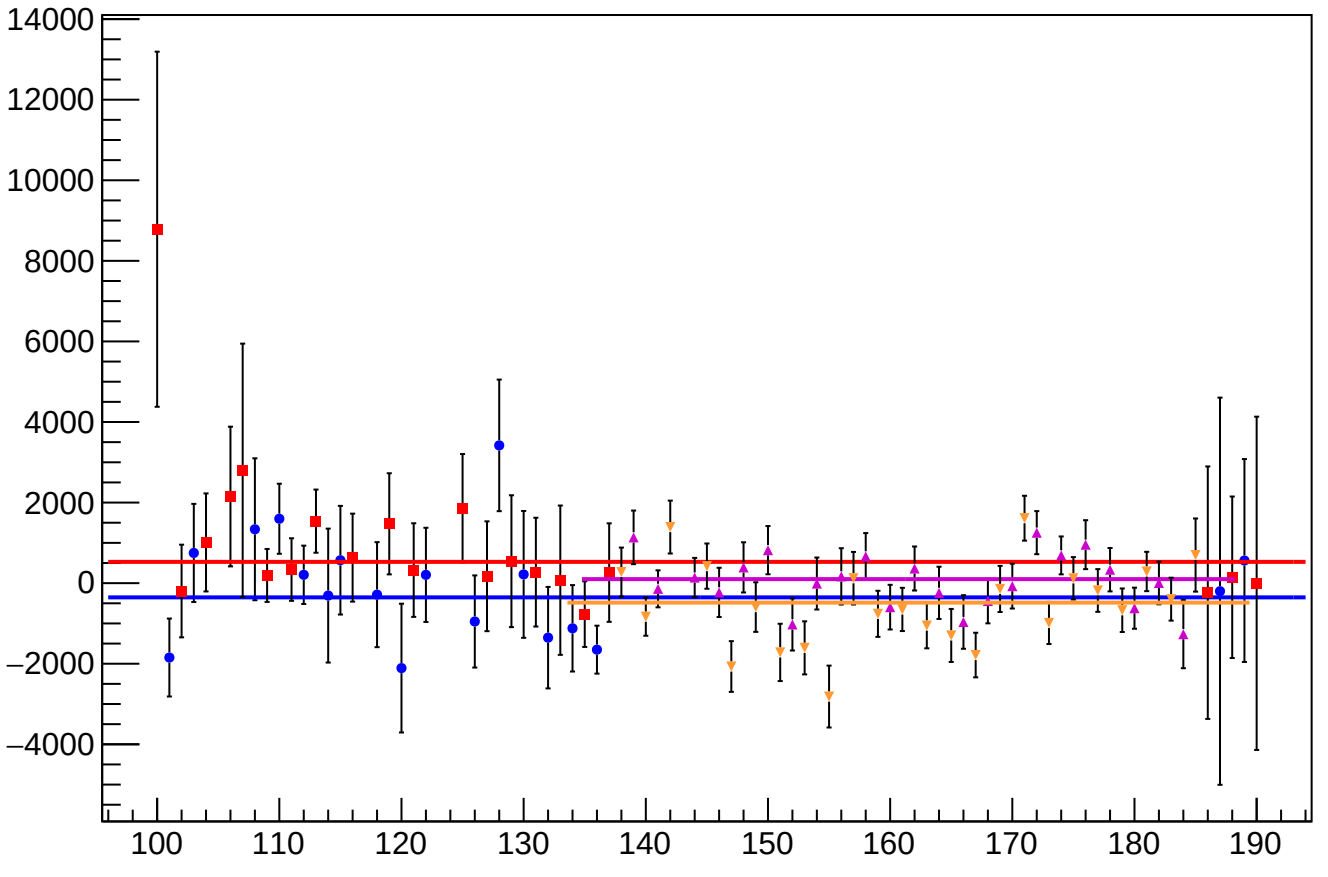
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 783.344+/-0.134 χ^2/NDF: 28287.4/38

In: 777.736+/-0.107 χ^2/NDF:14607.2/40

Out: 780.373+/-0.105 χ^2/NDF:19433.6/44

All: 779.083+/-0.075 χ^2/NDF: 34349.6/85



Right In: -353.030+/-267.374 χ^2/NDF: 23.4/17

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

Right Out: 528.506+/-261.535 χ^2/NDF: 11.9/20

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

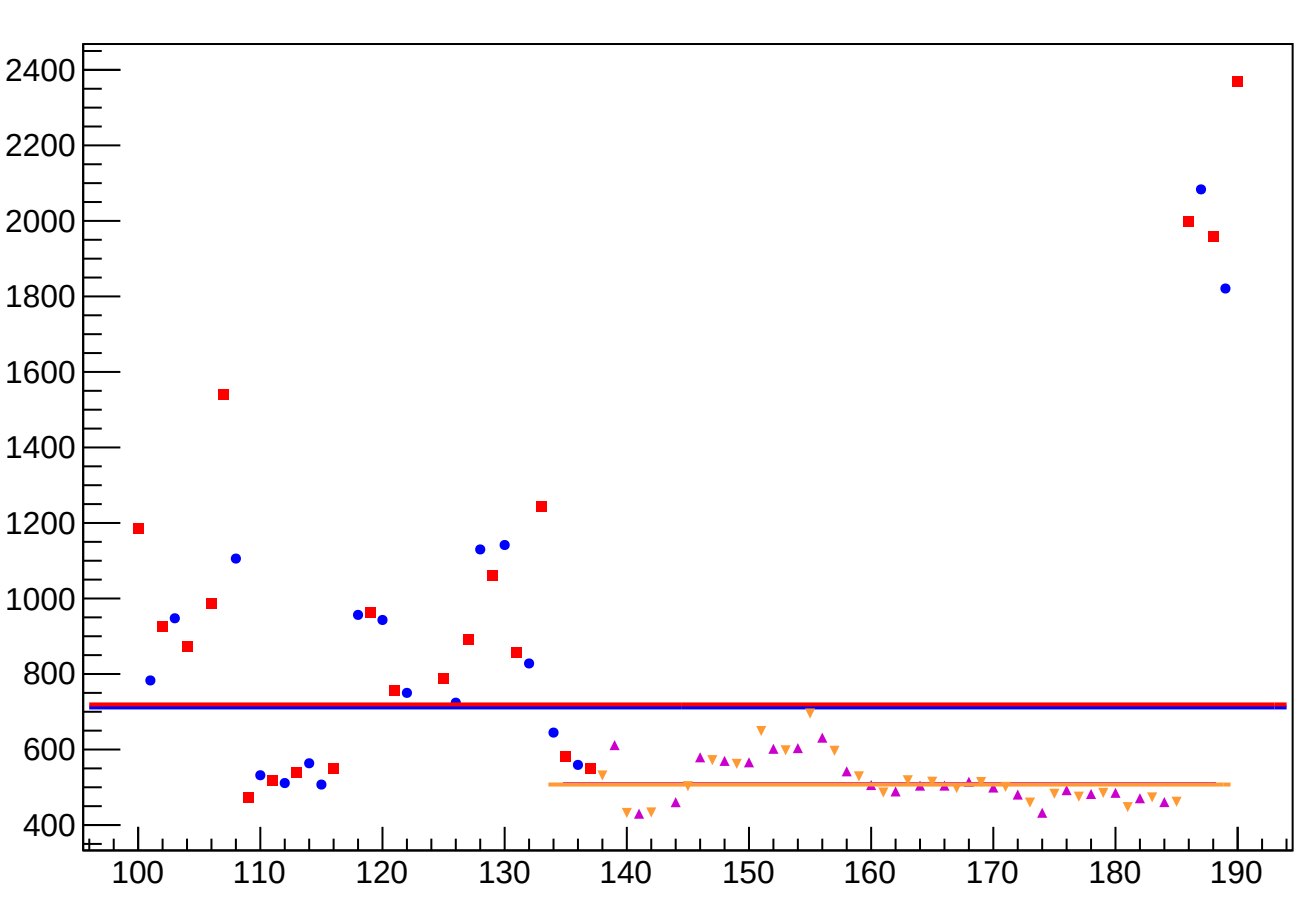
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 97.469+/-186.963 χ^2/NDF: 40.9/38

In: 24.374+/-109.234 χ^2/NDF:53.2/40

Out: -309.881+/-108.168 χ^2/NDF:89.4/44

All: -144.392+/-76.860 χ^2/NDF: 147.4/85



Right In: 711.522+/-0.189 χ^2/NDF: 1589121.9/17

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

Right Out: 719.400+/-0.185 χ^2/NDF: 2767343.0/20

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

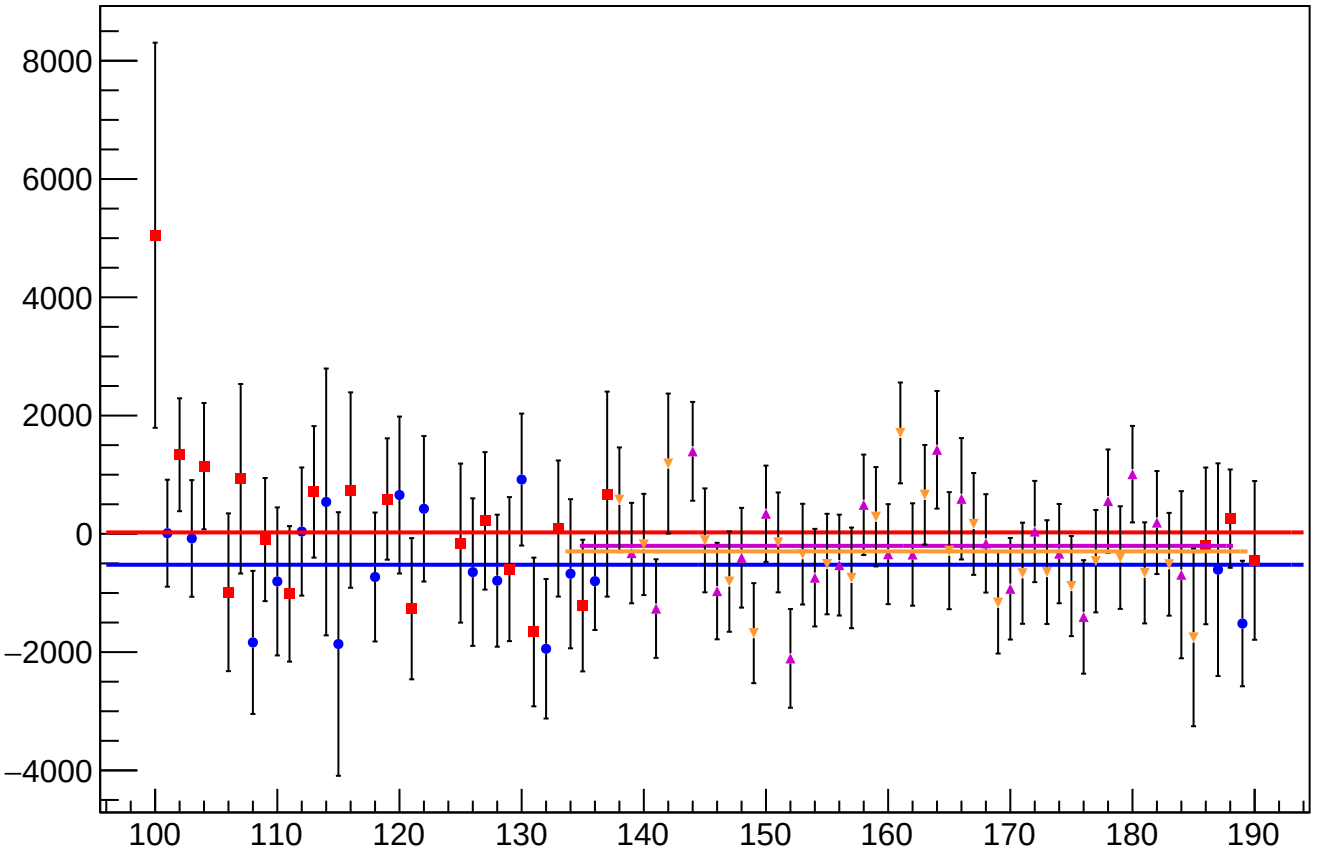
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 715.548+/-0.132 χ^2/NDF: 4357352.0/38

In: 542.501+/-0.077 χ^2/NDF:2980928.5/40

Out: 543.597+/-0.076 χ^2/NDF:4331507.5/44

All: 543.054+/-0.054 χ^2/NDF: 7312537.6/85



Right In: -522.635+/-275.758 χ^2/NDF: 8.2/17

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

Right Out: 24.251+/-261.727 χ^2/NDF: 12.9/20

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

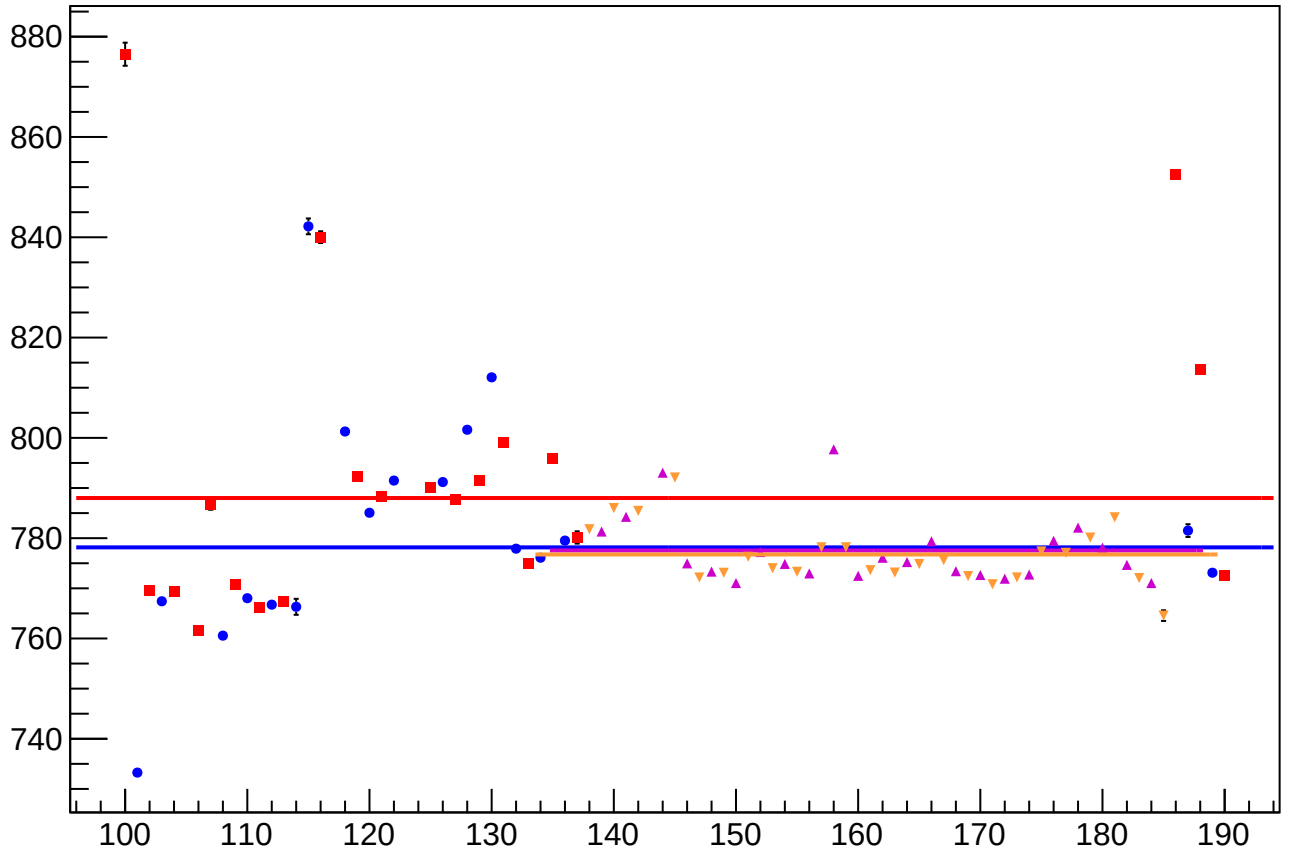
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -234.925+/-189.835 χ^2/NDF: 23.2/38

In: -299.886+/-151.636 χ^2/NDF:31.3/40

Out: -193.471+/-148.468 χ^2/NDF:30.6/44

All: -245.555+/-106.085 χ^2/NDF: 62.1/85



Right In: 778.167+/-0.195 χ^2/NDF: 11849.4/17

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

Right Out: 788.008+/-0.185 χ^2/NDF: 15097.8/20

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

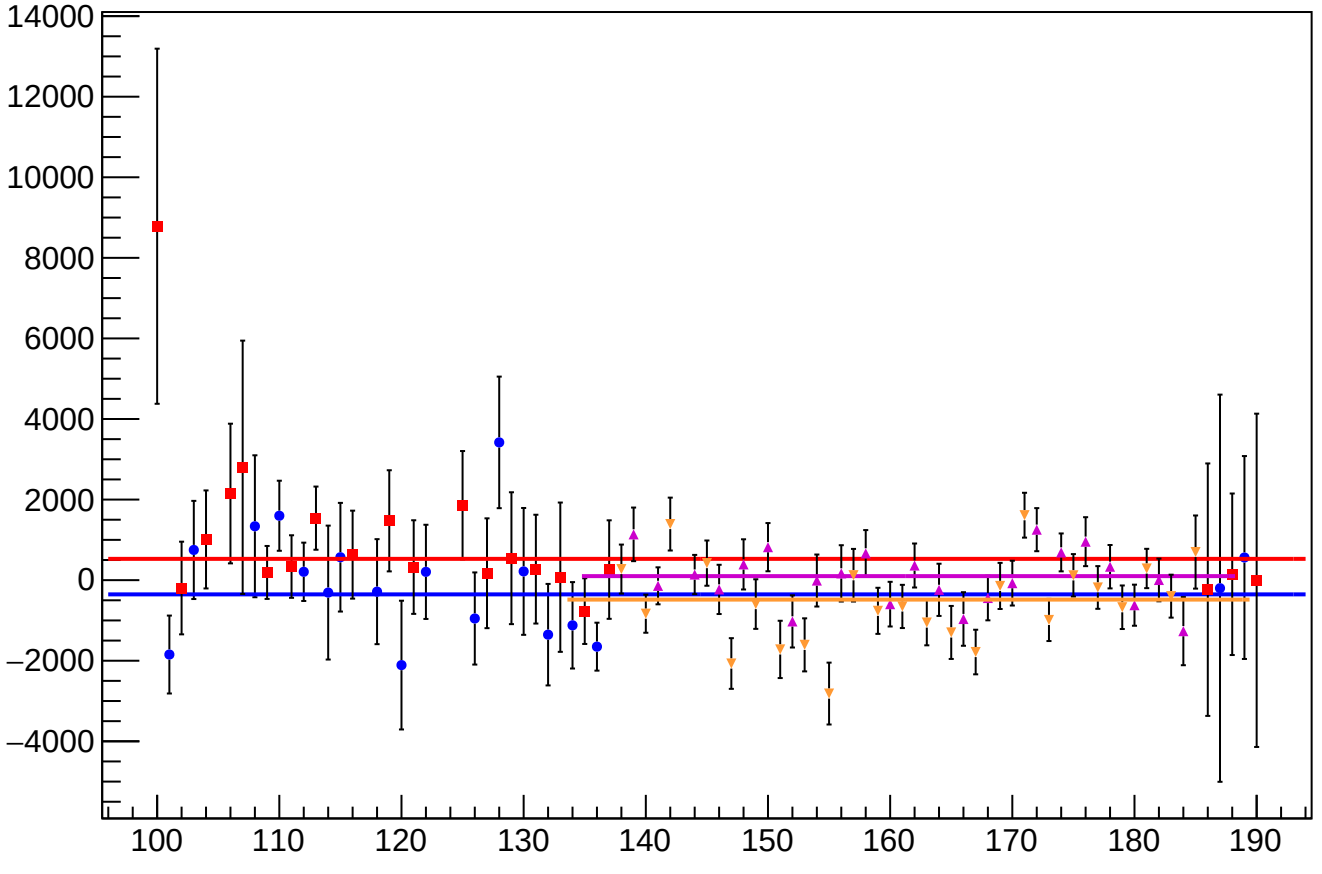
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 783.344+/-0.134 χ^2/NDF: 28287.4/38

In: 777.736+/-0.107 χ^2/NDF:14607.2/40

Out: 780.373+/-0.105 χ^2/NDF:19433.6/44

All: 779.083+/-0.075 χ^2/NDF: 34349.6/85



Right In: -353.026+/-267.372 χ^2/NDF: 23.4/17

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

Right Out: 528.505+/-261.534 χ^2/NDF: 11.9/20

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

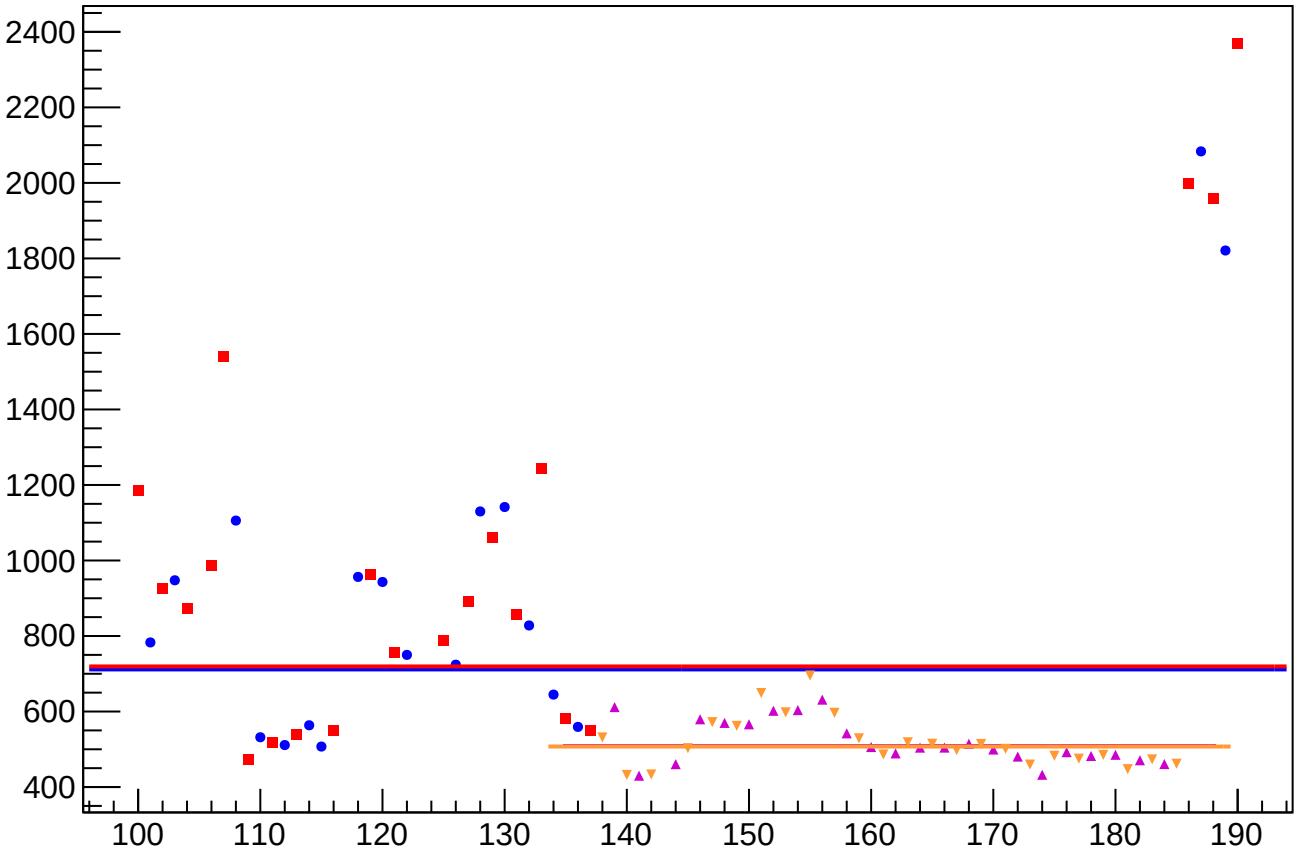
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 97.470+/-186.962 χ^2/NDF: 40.9/38

In: 24.374+/-109.233 χ^2/NDF:53.2/40

Out: -309.880+/-108.168 χ^2/NDF:89.4/44

All: -144.391+/-76.860 χ^2/NDF: 147.4/85



Right In: 711.519+/-0.189 χ^2/NDF: 1589136.6/17

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

Right Out: 719.396+/-0.185 χ^2/NDF: 2767367.6/20

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

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

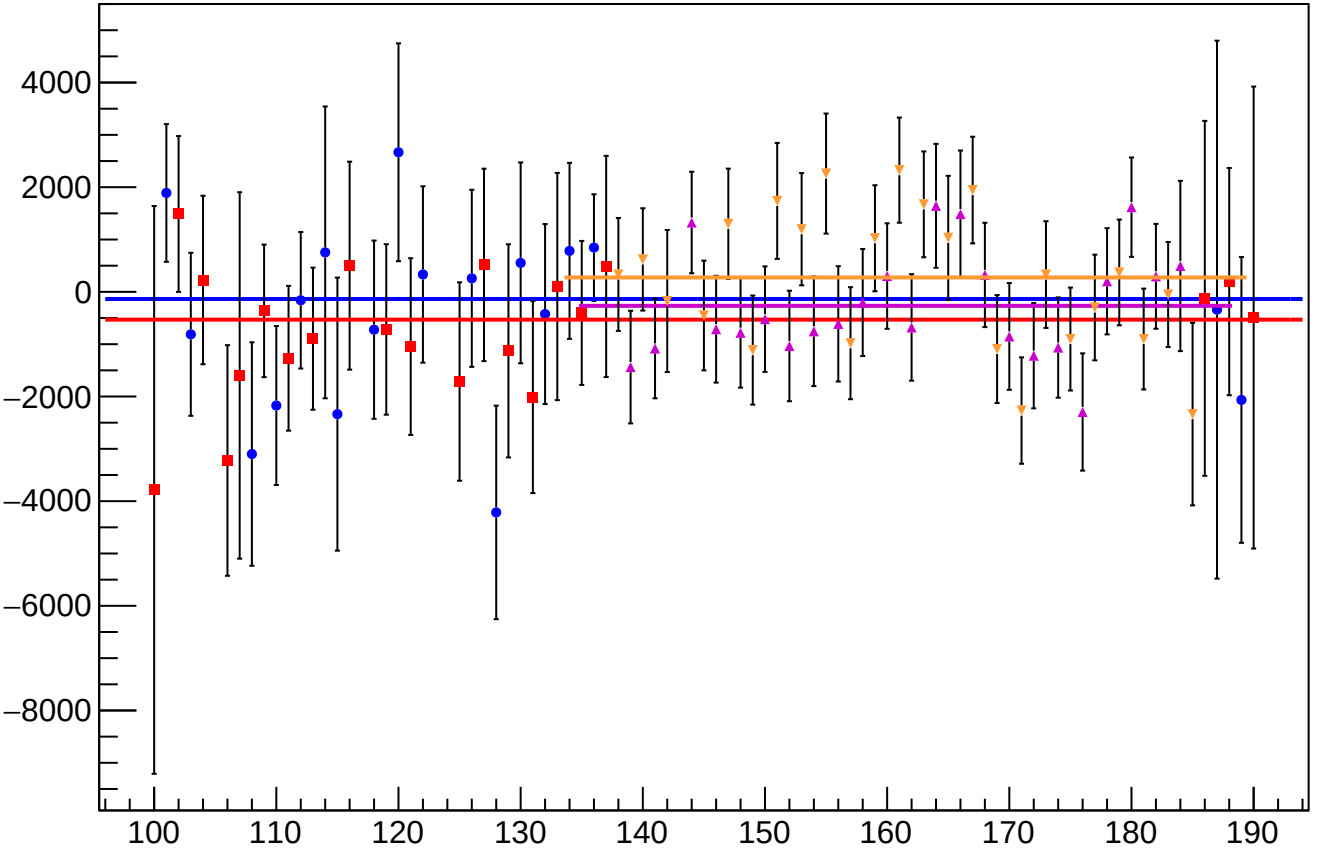
Right: 715.544+/-0.132 χ^2/NDF: 4357391.4/38

In: 542.501+/-0.077 χ^2/NDF:2980931.4/40

Out: 543.596+/-0.076 χ^2/NDF:4331512.0/44

All: 543.054+/-0.054 χ^2/NDF: 7312545.0/85

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -136.096+/-404.158 χ^2/NDF: 15.0/17

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

Right Out: -530.832+/-399.869 χ^2/NDF: 6.7/20

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

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

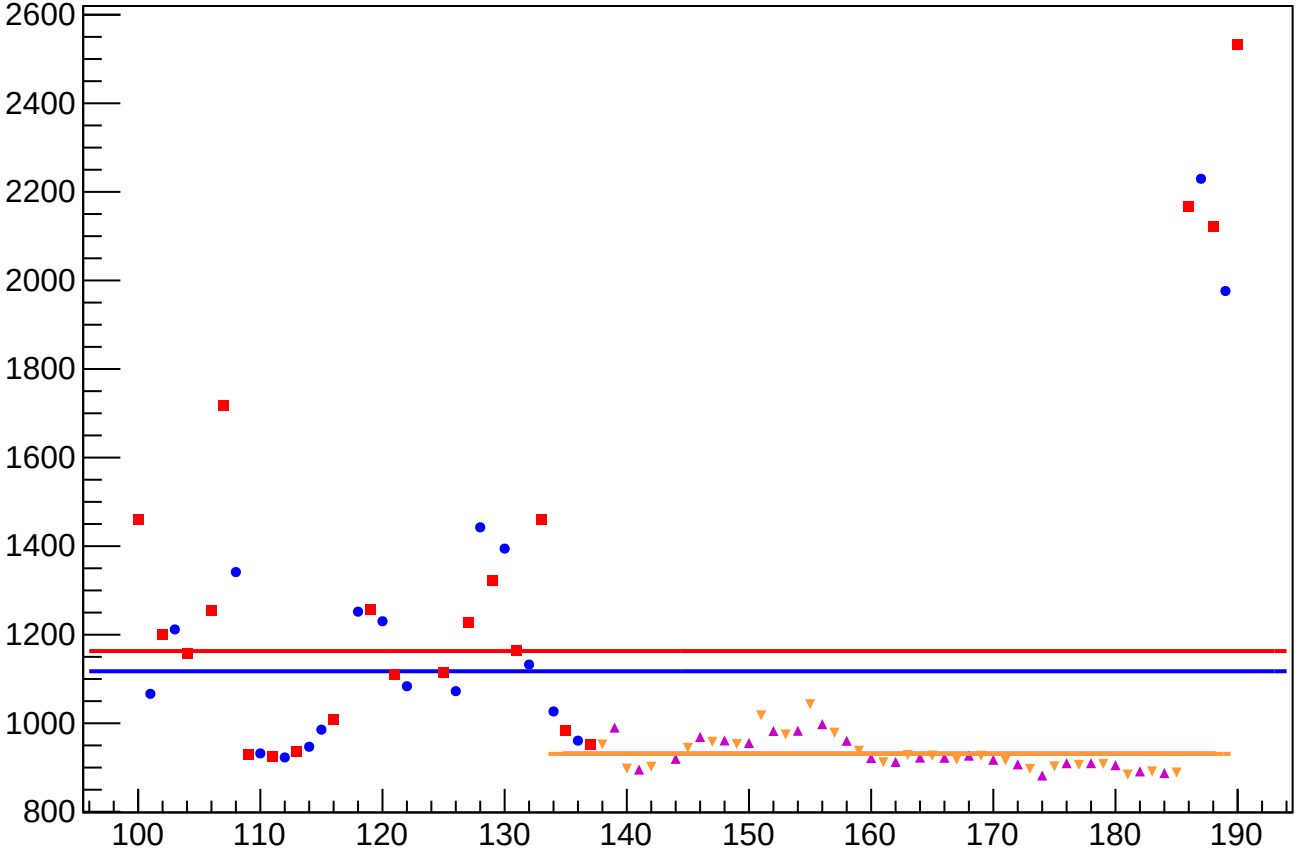
Right: -335.570+/-284.254 χ^2/NDF: 22.2/38

In: -237.610+/-191.653 χ^2/NDF:36.5/40

Out: 92.740+/-190.243 χ^2/NDF:43.4/44

All: -71.215+/-135.018 χ^2/NDF: 81.4/85

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1117.470+/-0.286 χ^2/NDF: 577014.7/17

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

Right Out: 1163.127+/-0.283 χ^2/NDF: 1130886.4/20

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

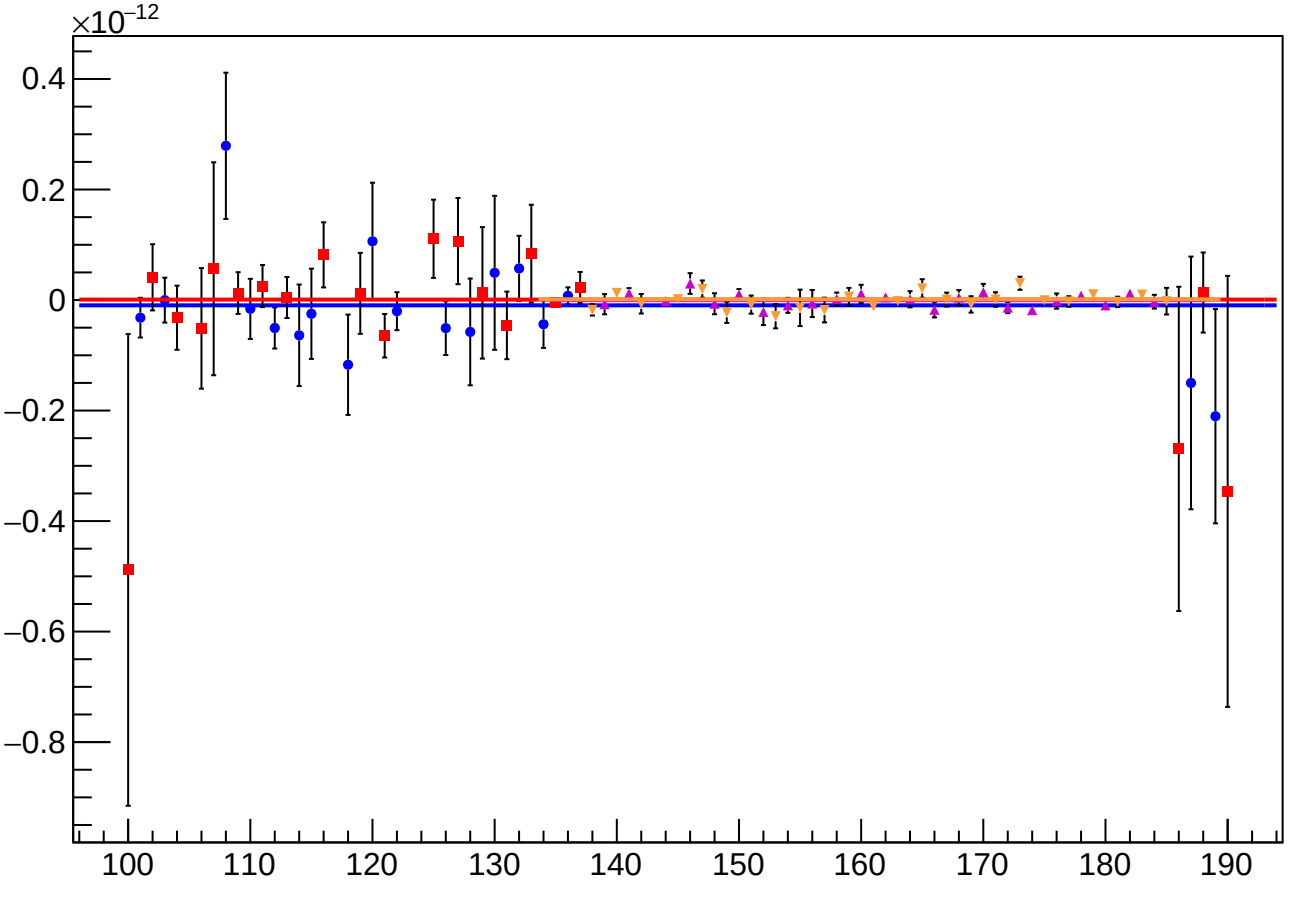
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1140.542+/-0.201 χ^2/NDF: 1720799.0/38

In: 973.367+/-0.136 χ^2/NDF:953949.5/40

Out: 983.482+/-0.135 χ^2/NDF:1714612.3/44

All: 978.462+/-0.095 χ^2/NDF: 2671367.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/20

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

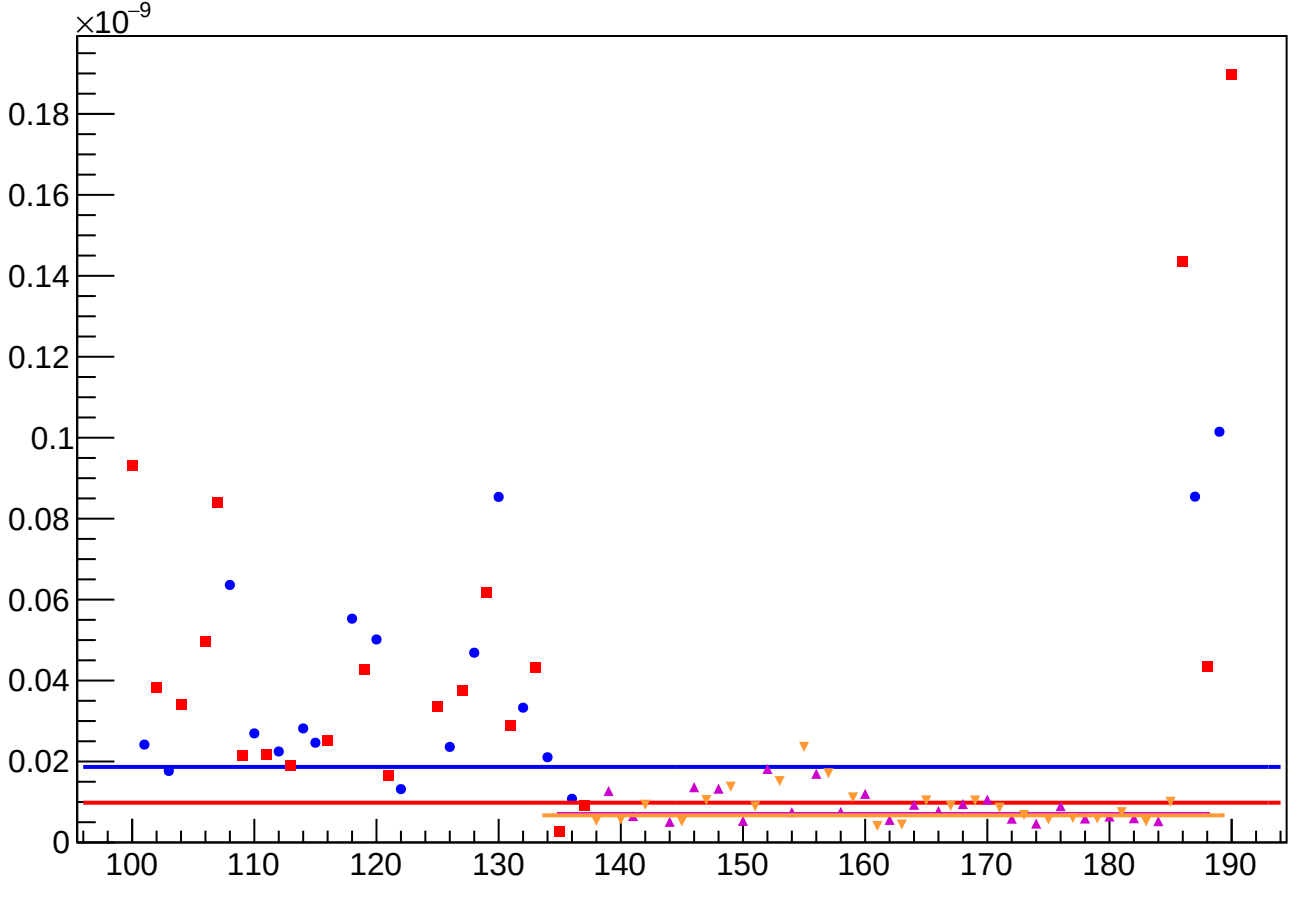
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 32.0/38

In: -0.000+/-0.000 χ^2/NDF:38.2/40

Out: 0.000+/-0.000 χ^2/NDF:41.7/44

All: 0.000+/-0.000 χ^2/NDF: 80.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 2780481.1/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6419088.4/20

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

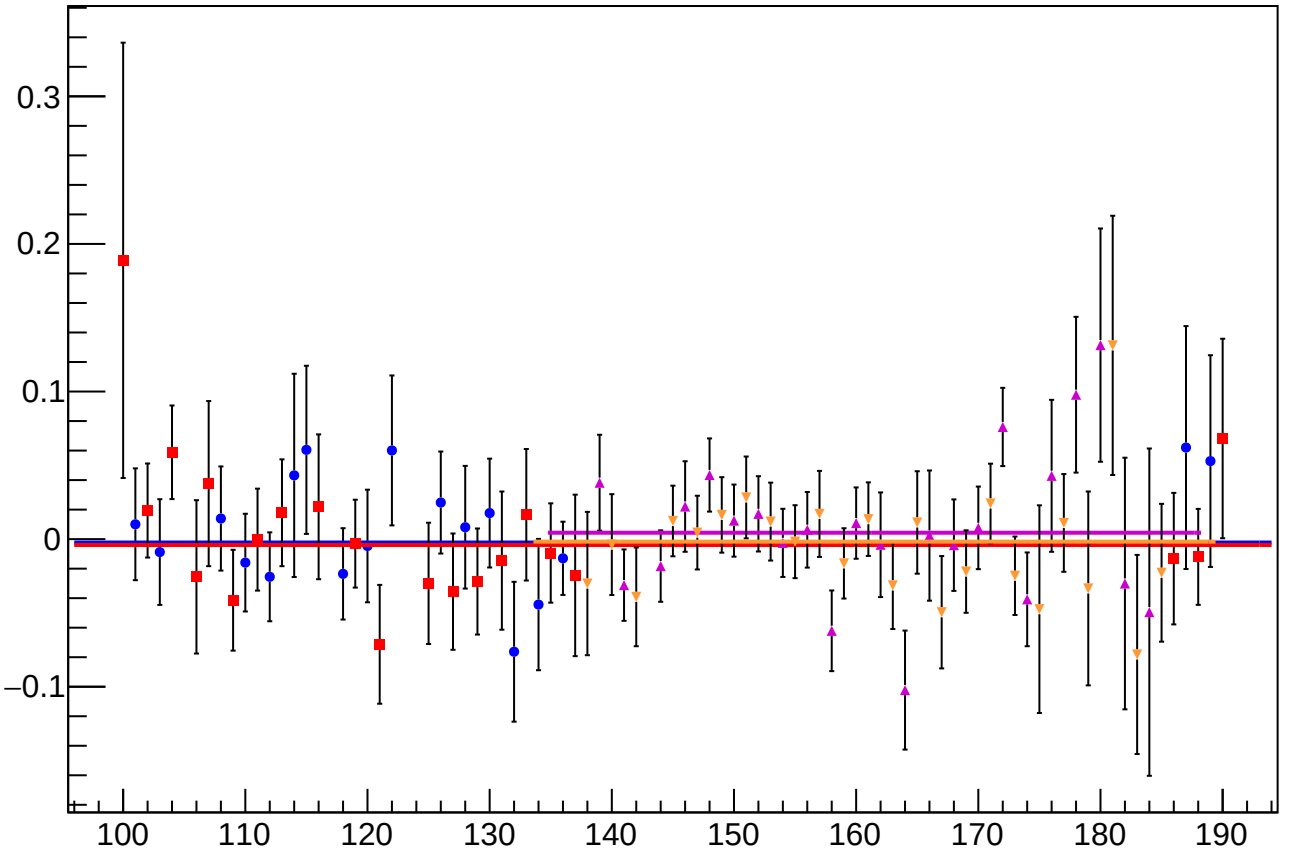
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10196125.0/38

In: 0.000+/-0.000 χ^2/NDF:7690914.8/40

Out: 0.000+/-0.000 χ^2/NDF:9684933.5/44

All: 0.000+/-0.000 χ^2/NDF: 17455526.4/85



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

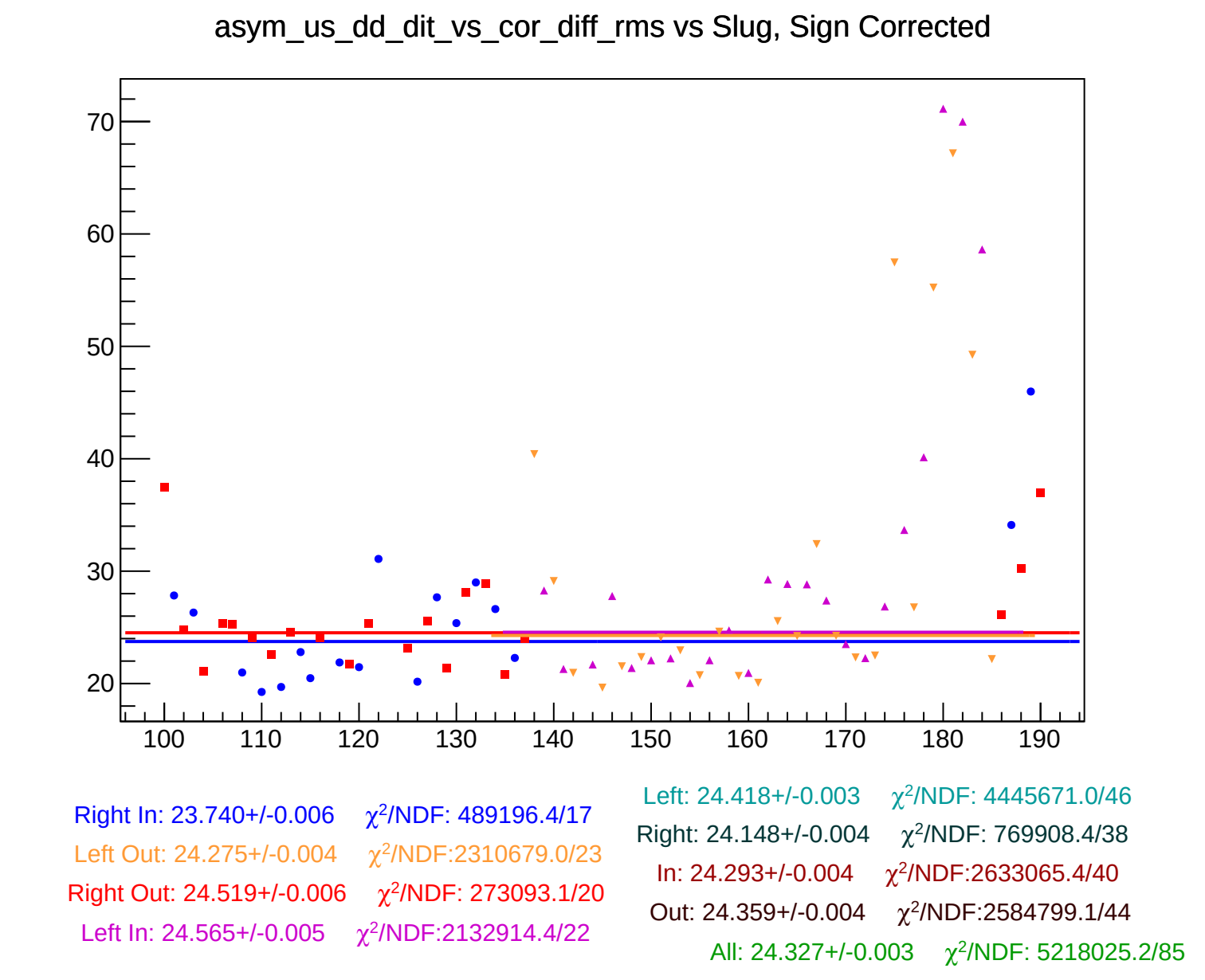
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

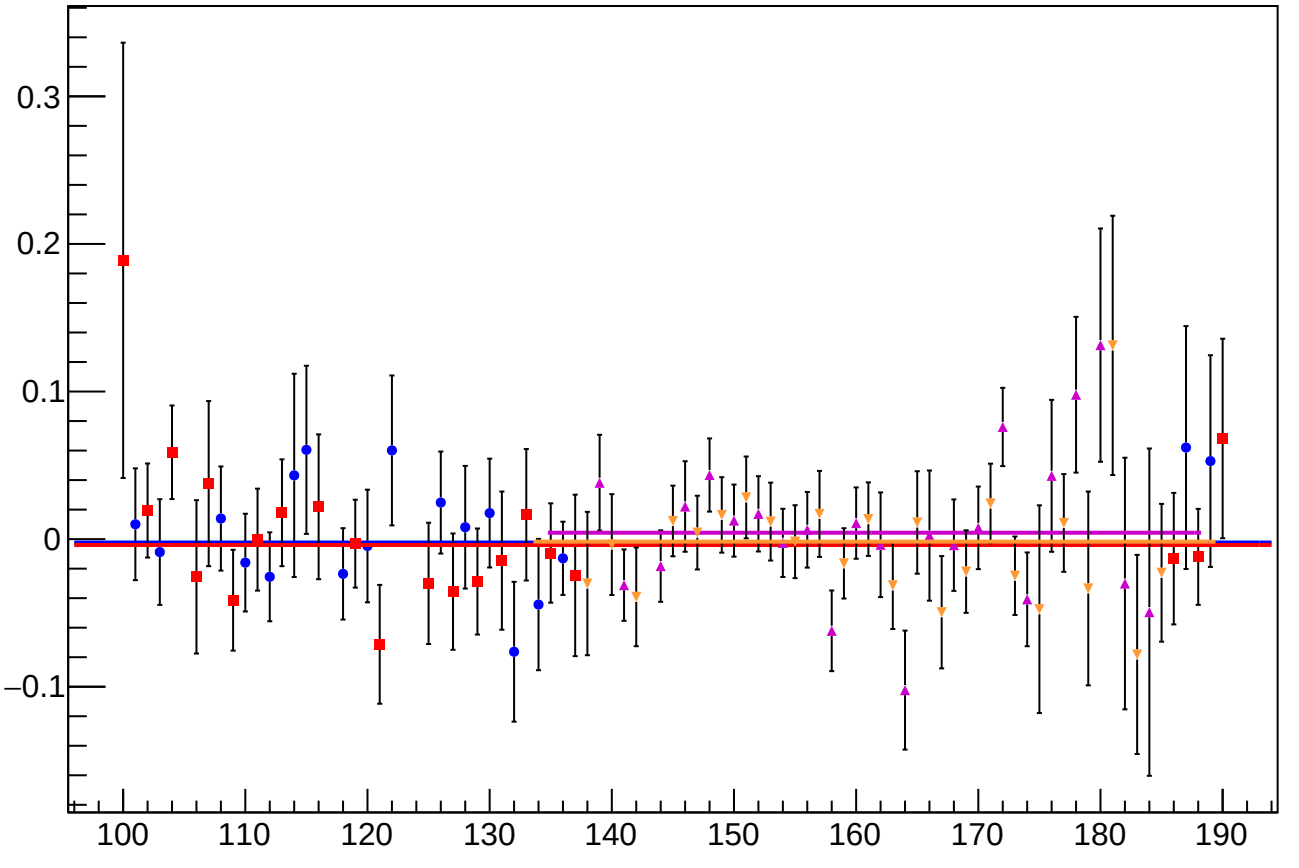
Right: -0.003+/-0.006 χ^2/NDF: 25.2/38

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.1/85


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 23.740+/-0.006 χ²/NDF: 489196.4/17
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 24.519+/-0.006 χ²/NDF: 273093.1/20
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 24.148+/-0.004 χ²/NDF: 769908.4/38
In: 24.293+/-0.004 χ²/NDF:2633065.4/40
Out: 24.359+/-0.004 χ²/NDF:2584799.1/44
All: 24.327+/-0.003 χ²/NDF: 5218025.2/85



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

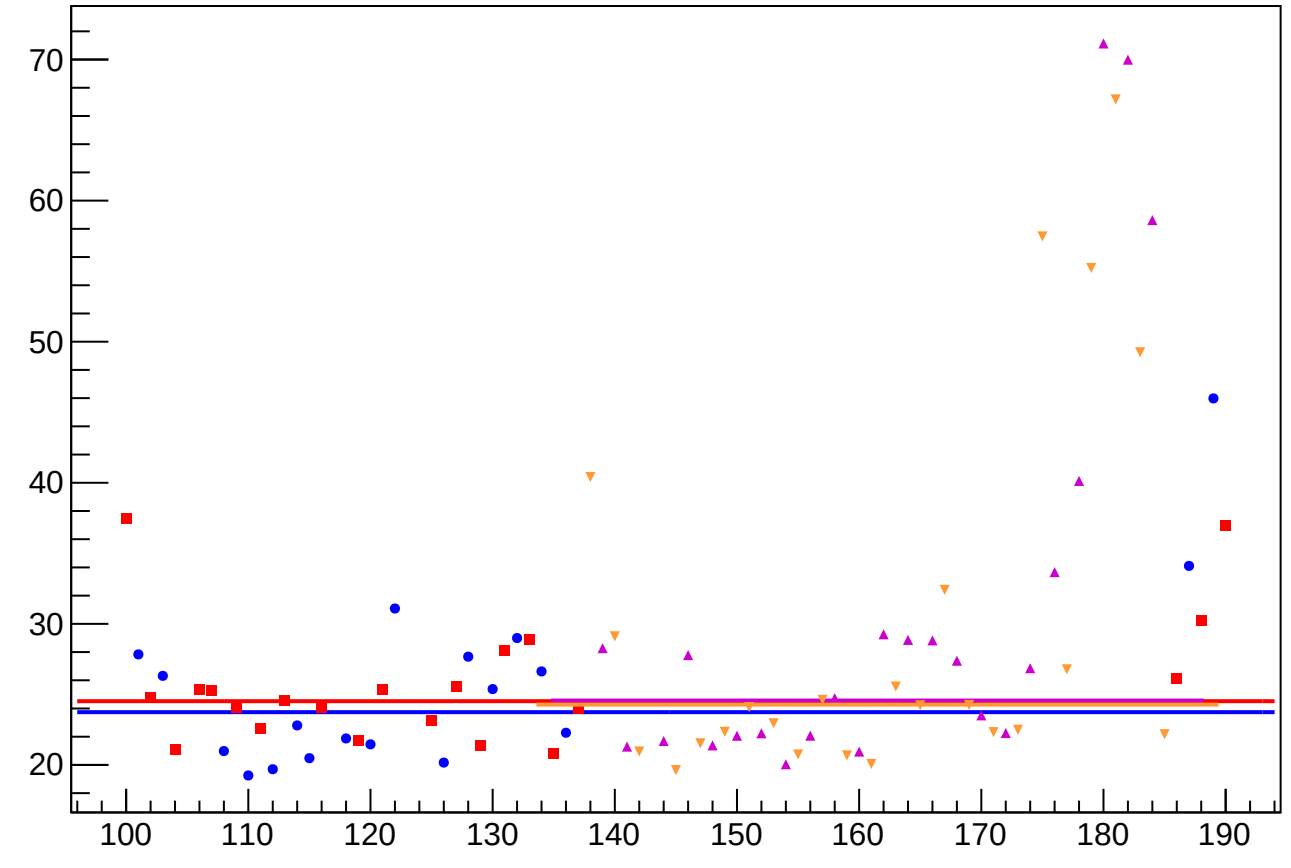
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.2/38

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.1/85



Right In: 23.740+/-0.006 χ^2/NDF: 489196.4/17

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

Right Out: 24.519+/-0.006 χ^2/NDF: 273093.1/20

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

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

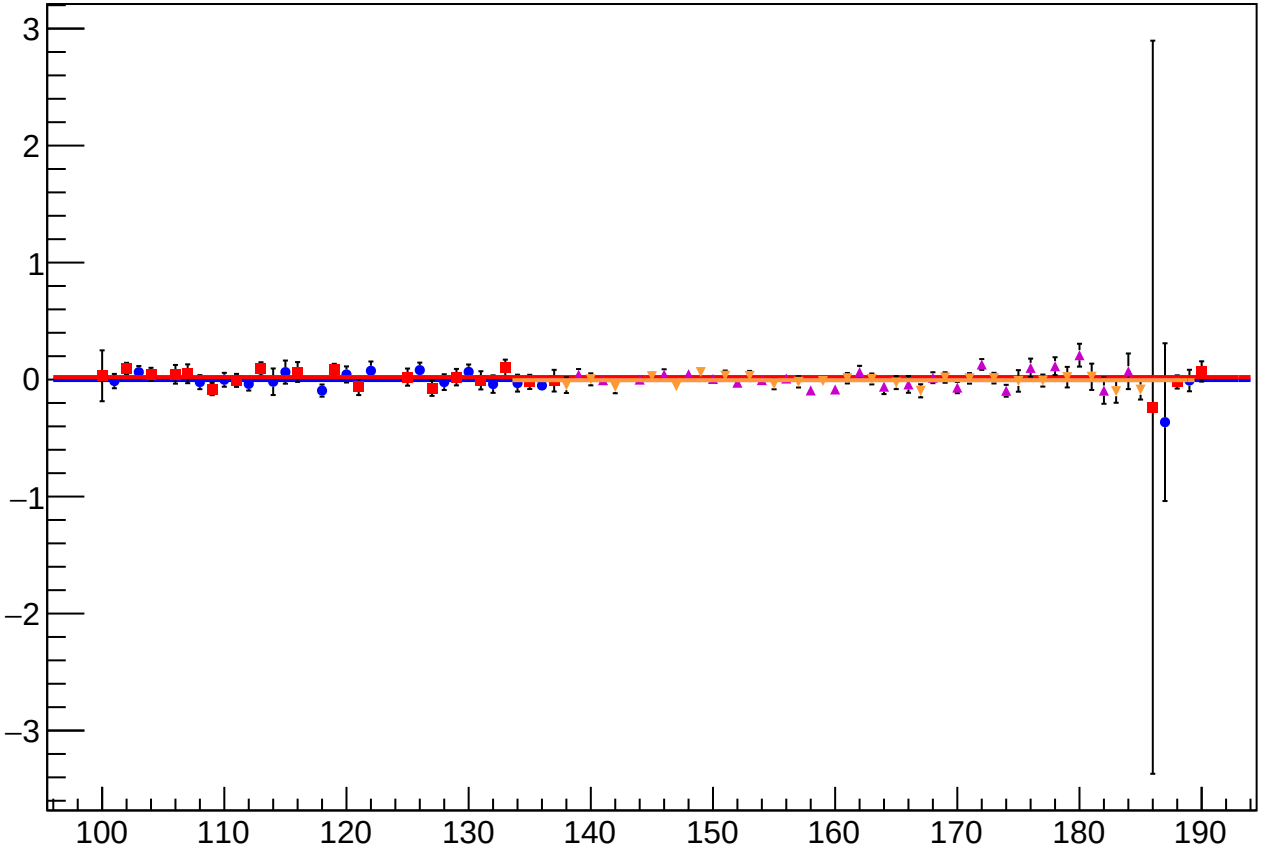
Right: 24.148+/-0.004 χ^2/NDF: 769908.4/38

In: 24.293+/-0.004 χ^2/NDF:2633065.4/40

Out: 24.359+/-0.004 χ^2/NDF:2584799.1/44

All: 24.327+/-0.003 χ^2/NDF: 5218025.2/85

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/17

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

Right Out: 0.022+/-0.015 χ^2/NDF: 16.3/20

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

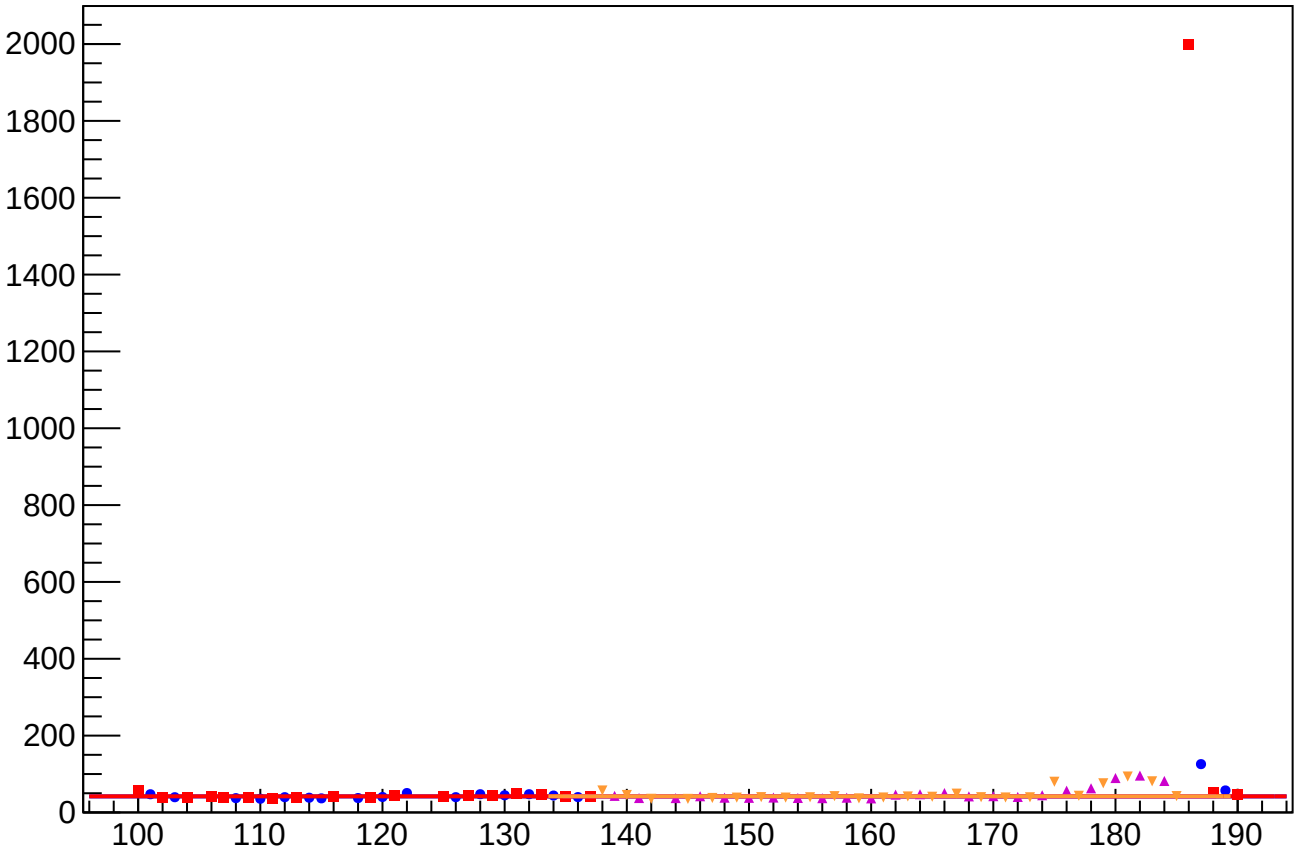
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.011 χ^2/NDF: 29.6/38

In: -0.001+/-0.009 χ^2/NDF:49.9/40

Out: 0.004+/-0.008 χ^2/NDF:32.3/44

All: 0.001+/-0.006 χ^2/NDF: 82.4/85



Right In: 41.744+/-0.011 χ^2/NDF: 225796.5/17

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

Right Out: 41.999+/-0.010 χ^2/NDF: 948960.1/20

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

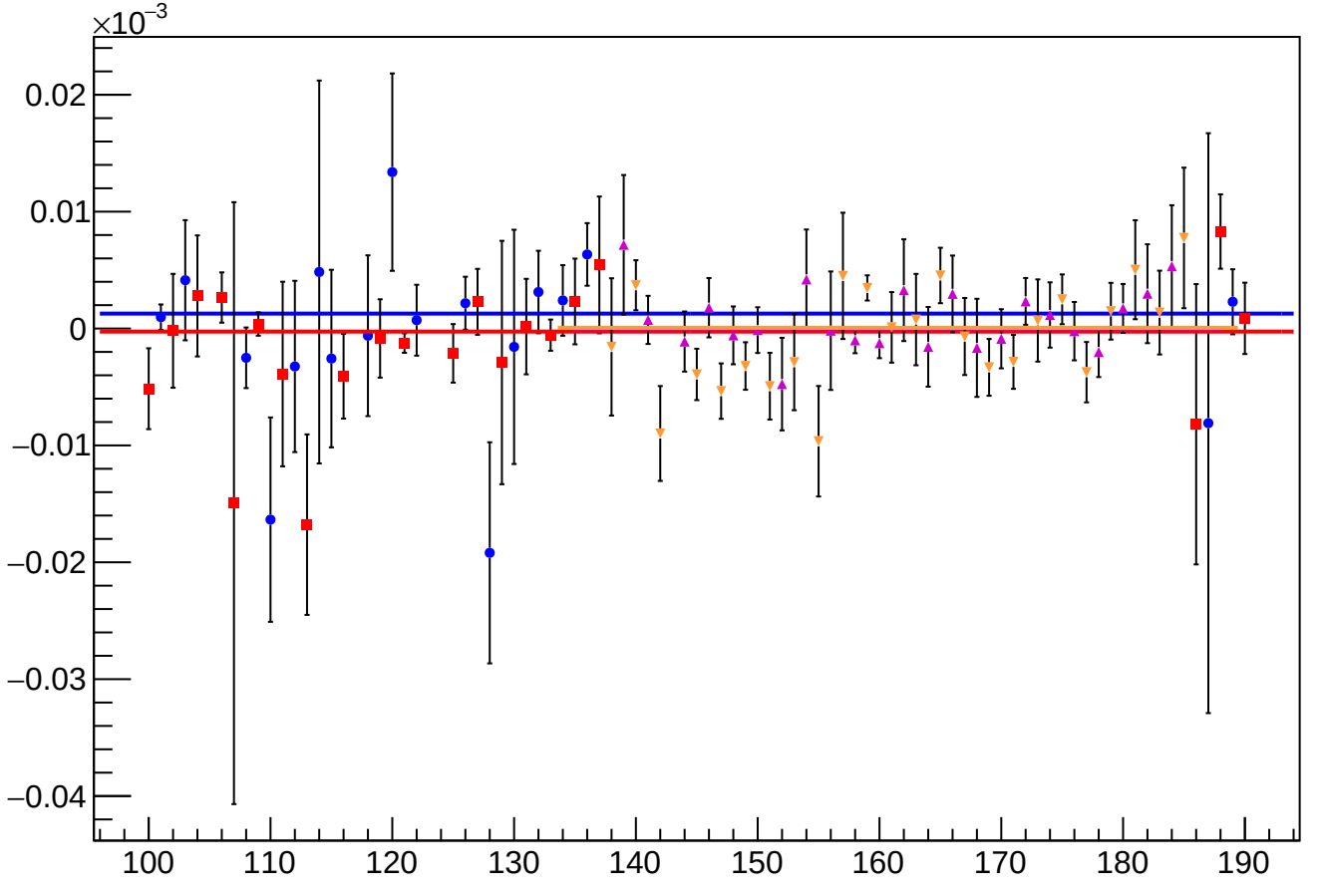
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.878+/-0.008 χ^2/NDF: 1175041.2/38

In: 41.974+/-0.006 χ^2/NDF:1769941.5/40

Out: 42.059+/-0.006 χ^2/NDF:2665056.0/44

All: 42.017+/-0.004 χ^2/NDF: 4435094.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/20

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

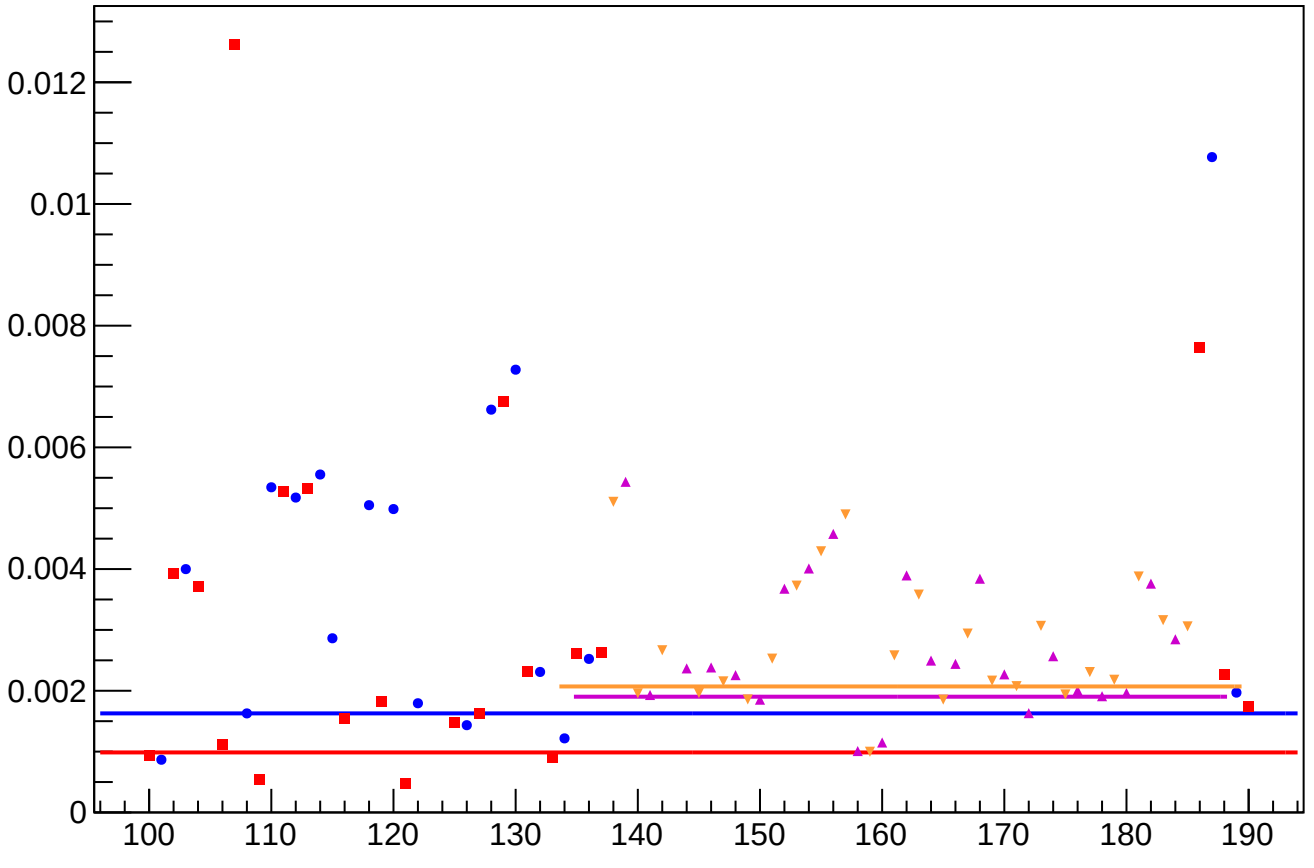
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 44.7/38

In: 0.000+/-0.000 χ^2/NDF:33.9/40

Out: -0.000+/-0.000 χ^2/NDF:74.9/44

All: 0.000+/-0.000 χ^2/NDF: 109.6/85



Right In: 0.002+/-0.000 χ^2/NDF: 5067735.3/17

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

Right Out: 0.001+/-0.000 χ^2/NDF: 6875359.4/20

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

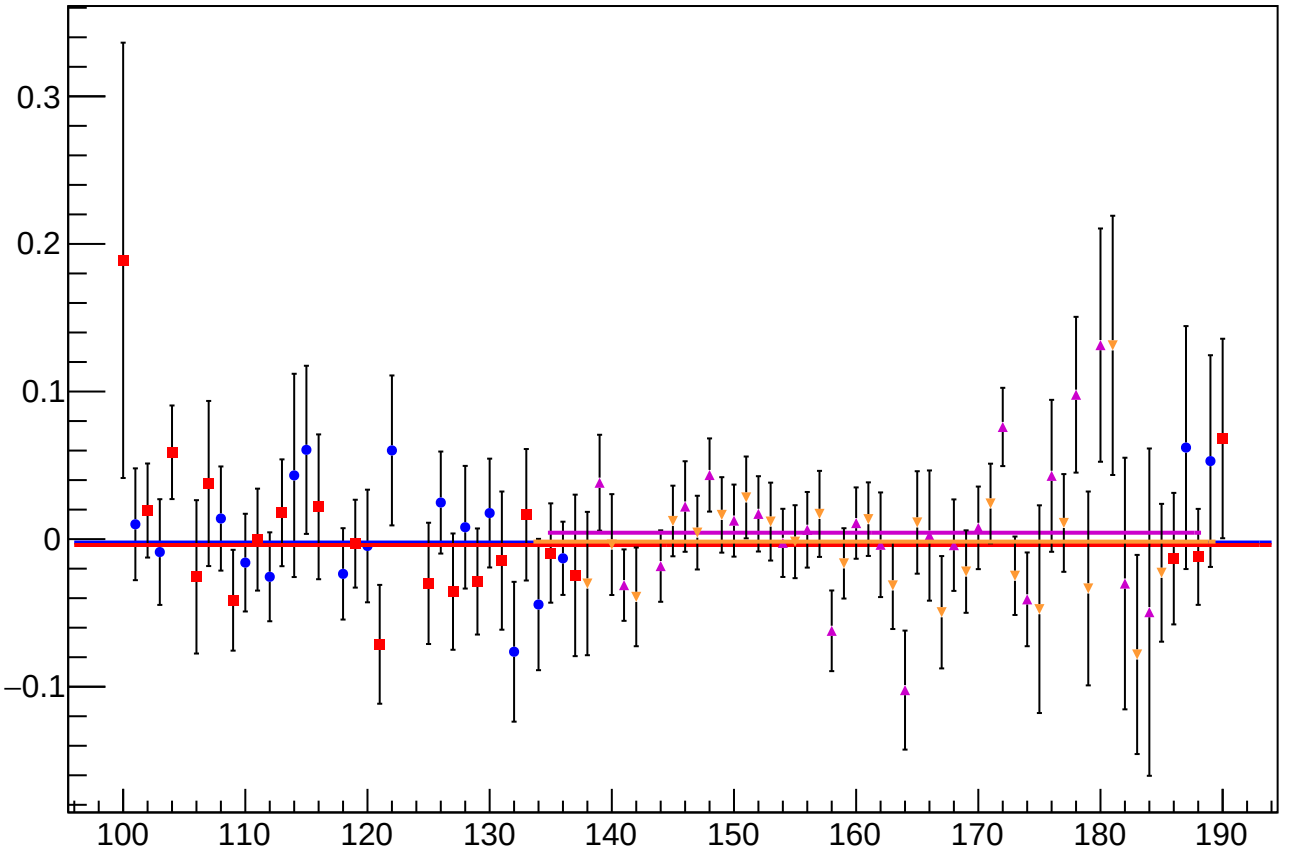
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 13028193.4/38

In: 0.002+/-0.000 χ^2/NDF:11199338.8/40

Out: 0.001+/-0.000 χ^2/NDF:16753090.5/44

All: 0.002+/-0.000 χ^2/NDF: 28692936.9/85



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

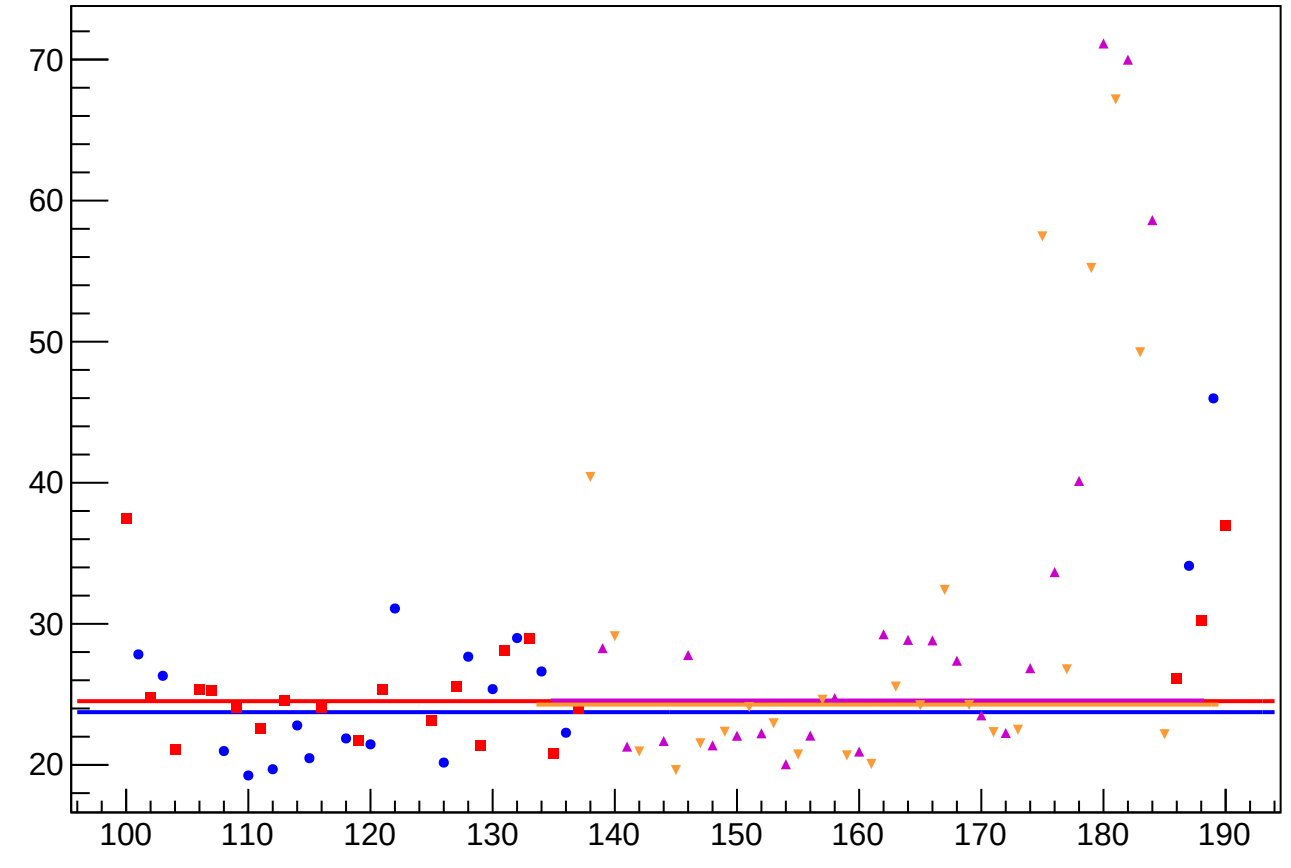
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.2/38

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.1/85



Right In: 23.739+/-0.006 χ^2/NDF: 489224.5/17

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

Right Out: 24.519+/-0.006 χ^2/NDF: 273043.9/20

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

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

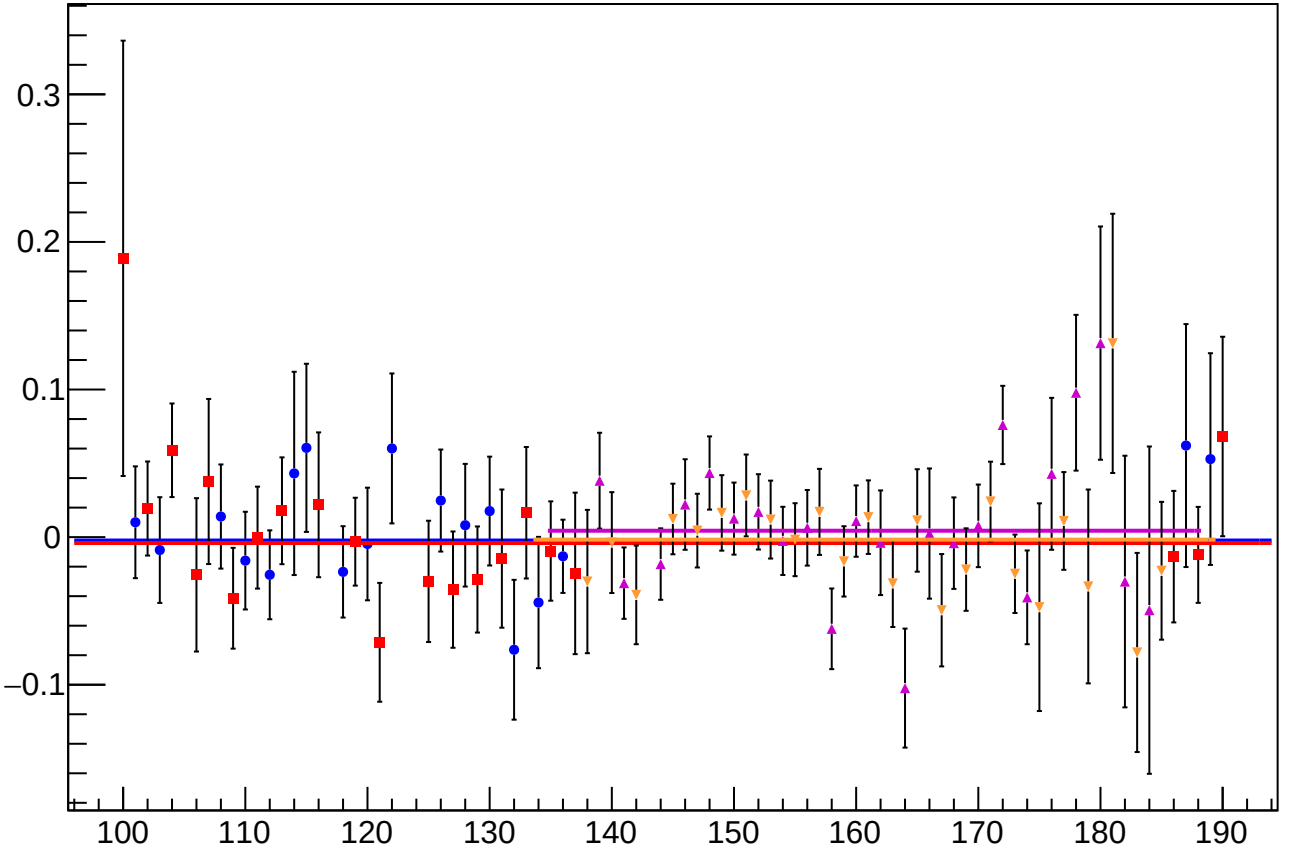
Right: 24.148+/-0.004 χ^2/NDF: 769904.7/38

In: 24.293+/-0.004 χ^2/NDF:2632983.0/40

Out: 24.359+/-0.004 χ^2/NDF:2584757.2/44

All: 24.327+/-0.003 χ^2/NDF: 5217901.6/85

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

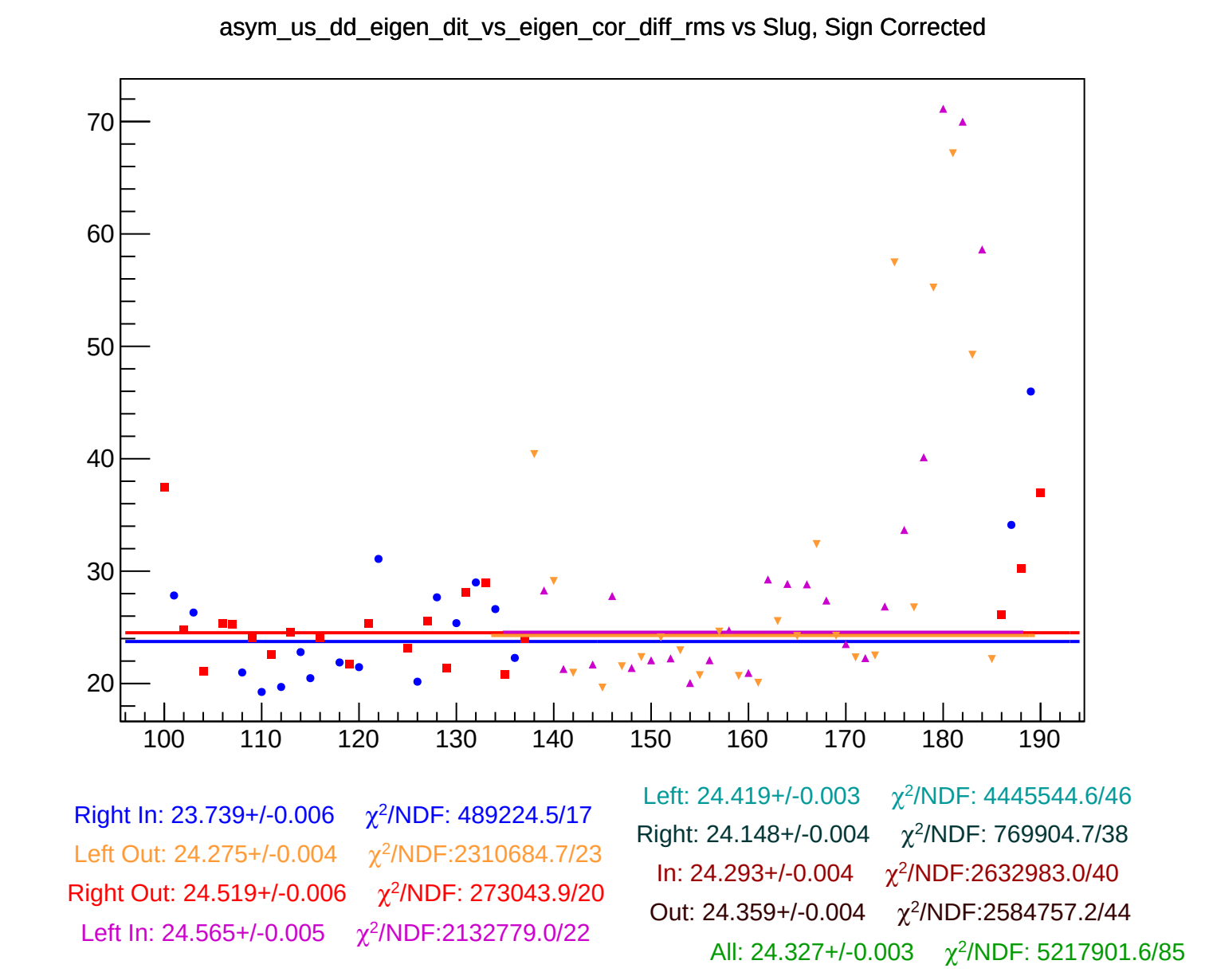
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.2/38

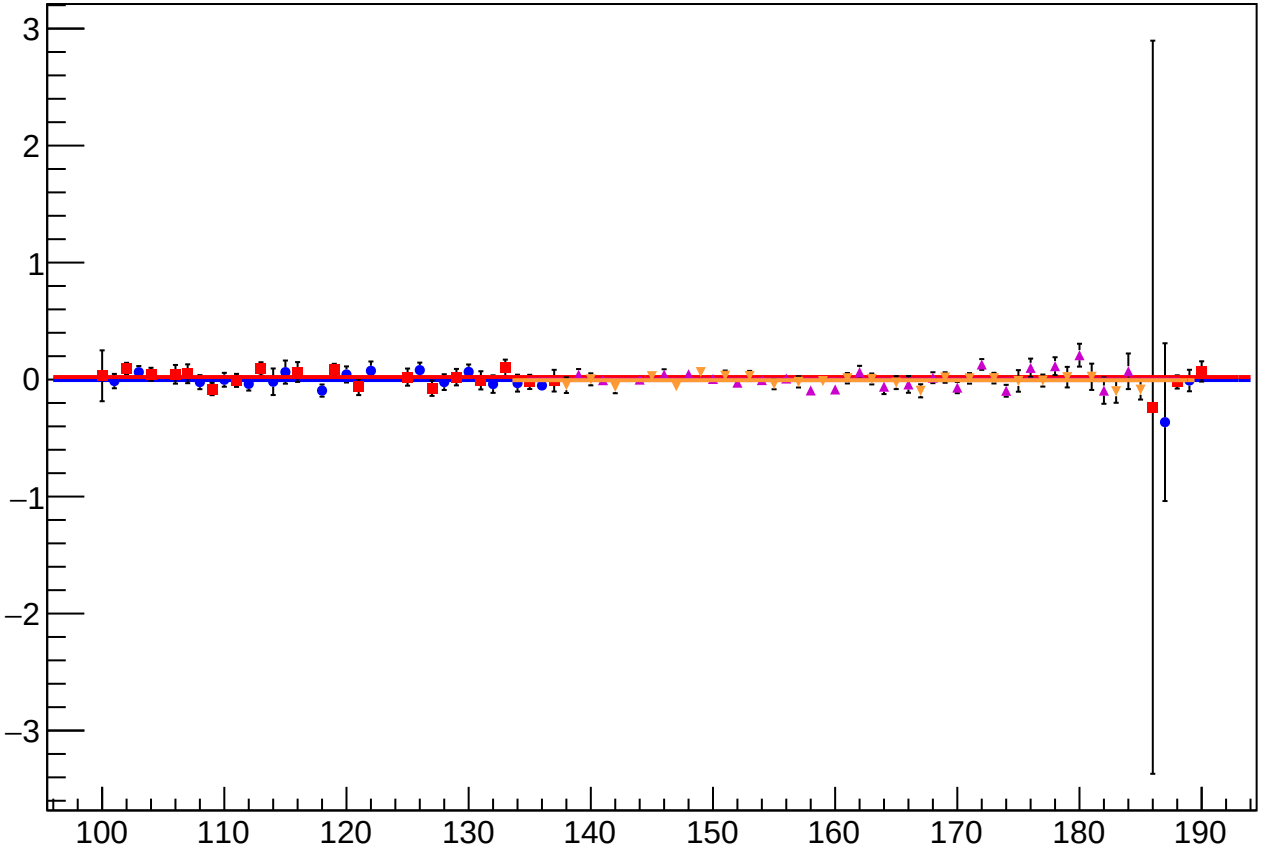
In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.1/85


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 23.739+/-0.006 χ²/NDF: 489224.5/17
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 24.519+/-0.006 χ²/NDF: 273043.9/20
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 24.148+/-0.004 χ²/NDF: 769904.7/38
In: 24.293+/-0.004 χ²/NDF:2632983.0/40
Out: 24.359+/-0.004 χ²/NDF:2584757.2/44
All: 24.327+/-0.003 χ²/NDF: 5217901.6/85

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/17

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

Right Out: 0.022+/-0.015 χ^2/NDF: 16.3/20

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

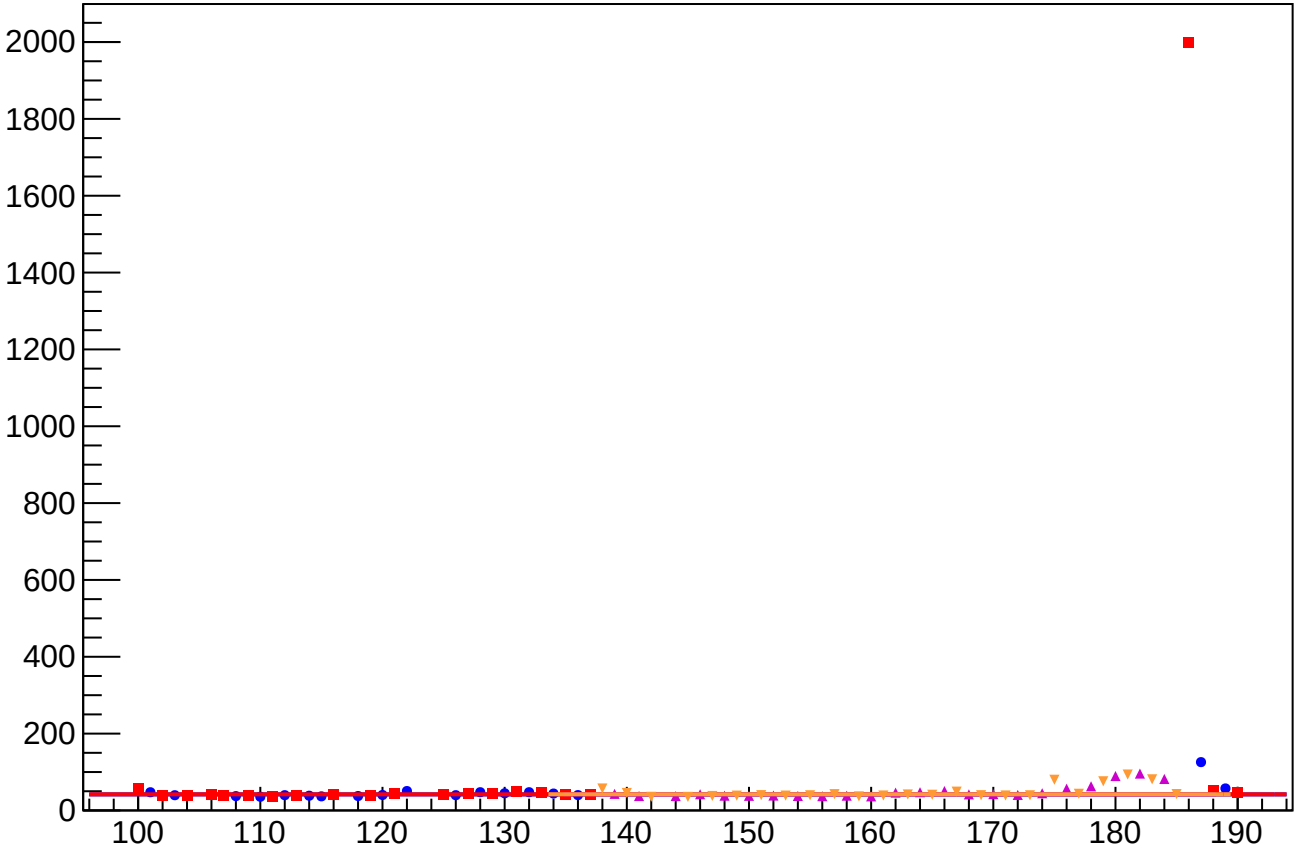
Right: 0.009+/-0.011 χ^2/NDF: 29.6/38

In: -0.001+/-0.009 χ^2/NDF:49.9/40

Out: 0.004+/-0.008 χ^2/NDF:32.3/44

All: 0.001+/-0.006 χ^2/NDF: 82.4/85

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.744+/-0.011 χ^2/NDF: 225777.2/17

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

Right Out: 41.999+/-0.010 χ^2/NDF: 948950.2/20

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

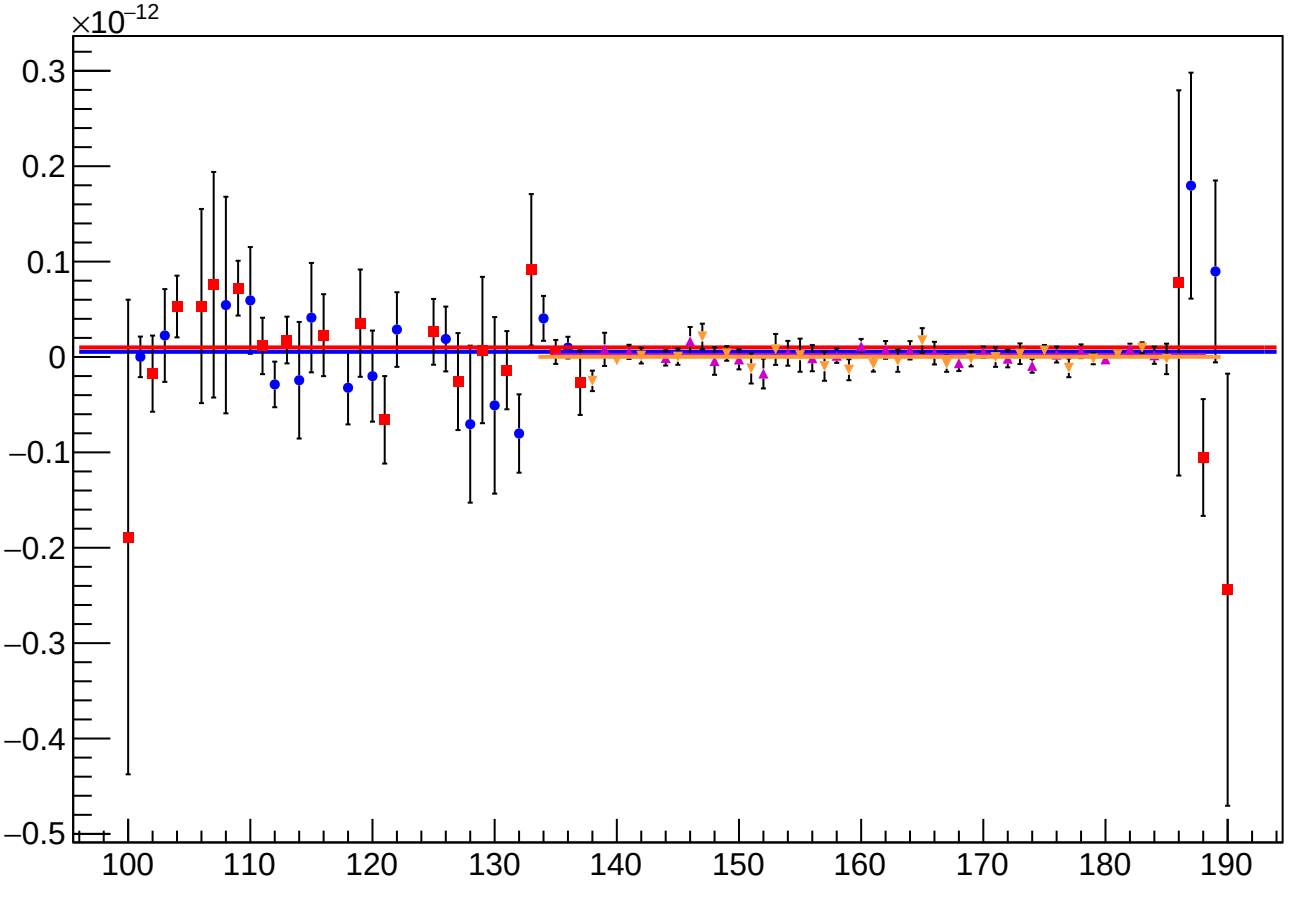
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.878+/-0.008 χ^2/NDF: 1175012.5/38

In: 41.974+/-0.006 χ^2/NDF:1769899.2/40

Out: 42.059+/-0.006 χ^2/NDF:2665036.7/44

All: 42.017+/-0.004 χ^2/NDF: 4435033.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/20

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

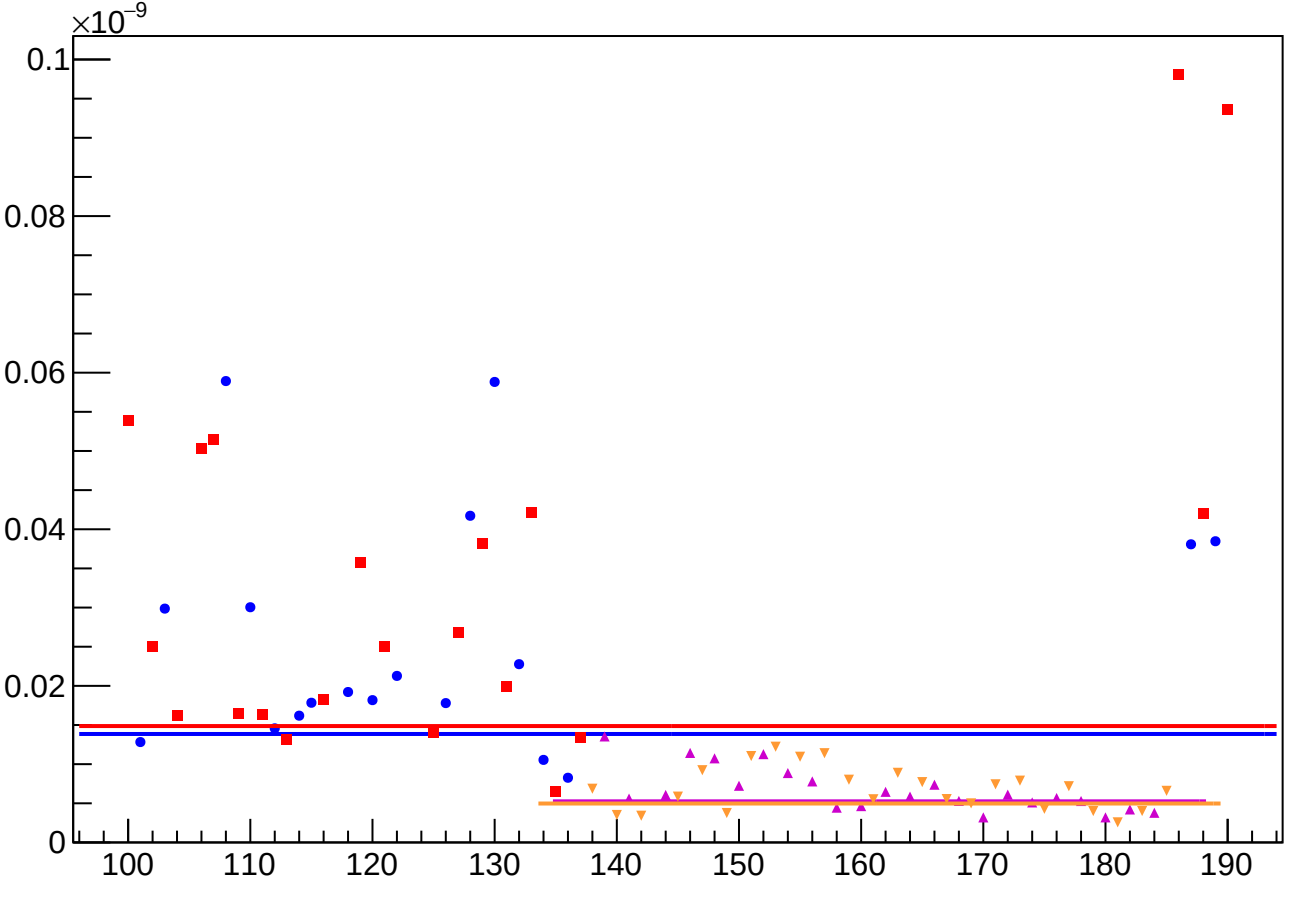
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 36.3/38

In: 0.000+/-0.000 χ^2/NDF:28.6/40

Out: 0.000+/-0.000 χ^2/NDF:42.3/44

All: 0.000+/-0.000 χ^2/NDF: 71.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 2407765.0/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3459717.0/20

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

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

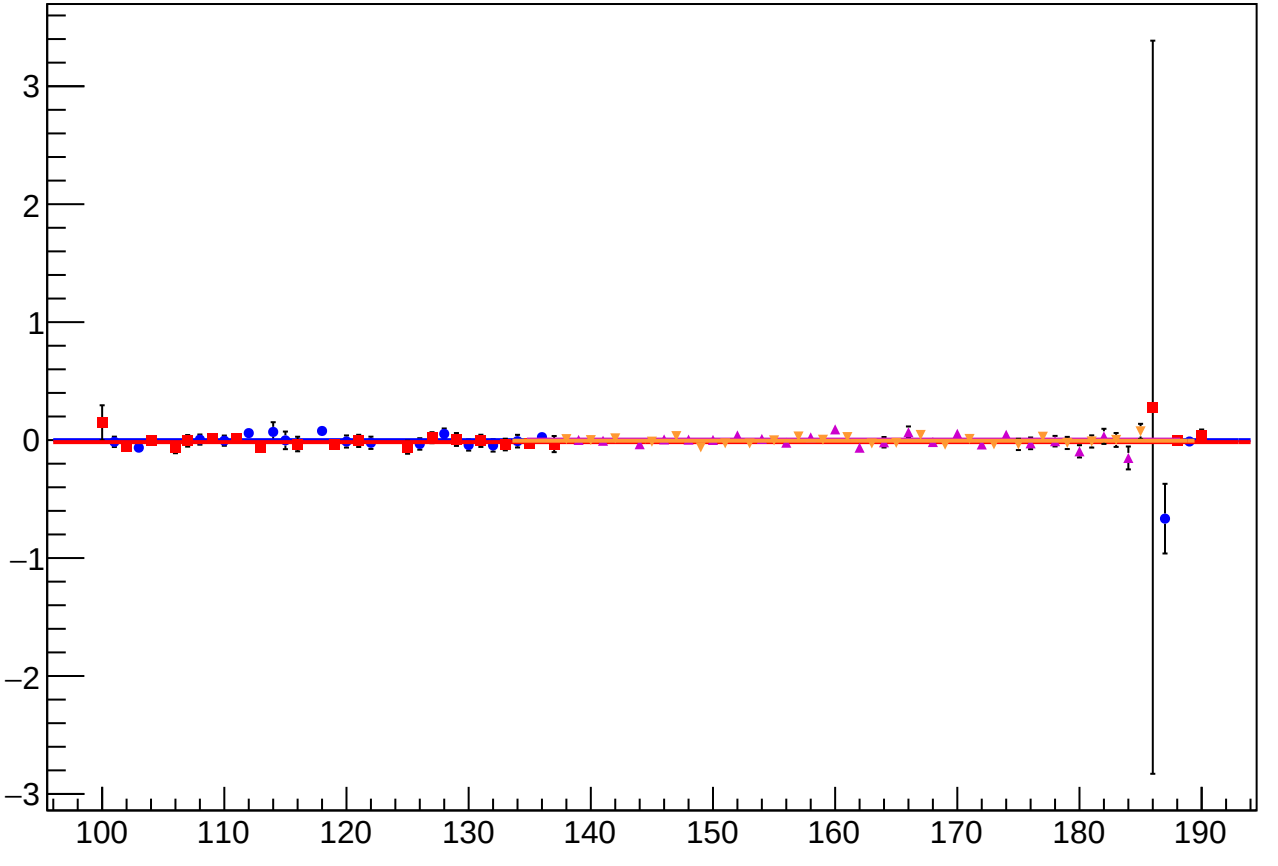
Right: 0.000+/-0.000 χ^2/NDF: 5885552.0/38

In: 0.000+/-0.000 χ^2/NDF:7627700.4/40

Out: 0.000+/-0.000 χ^2/NDF:10137218.0/44

All: 0.000+/-0.000 χ^2/NDF: 17795708.7/85

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.011 χ^2/NDF: 20.5/17

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

Right Out: -0.017+/-0.010 χ^2/NDF: 11.0/20

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

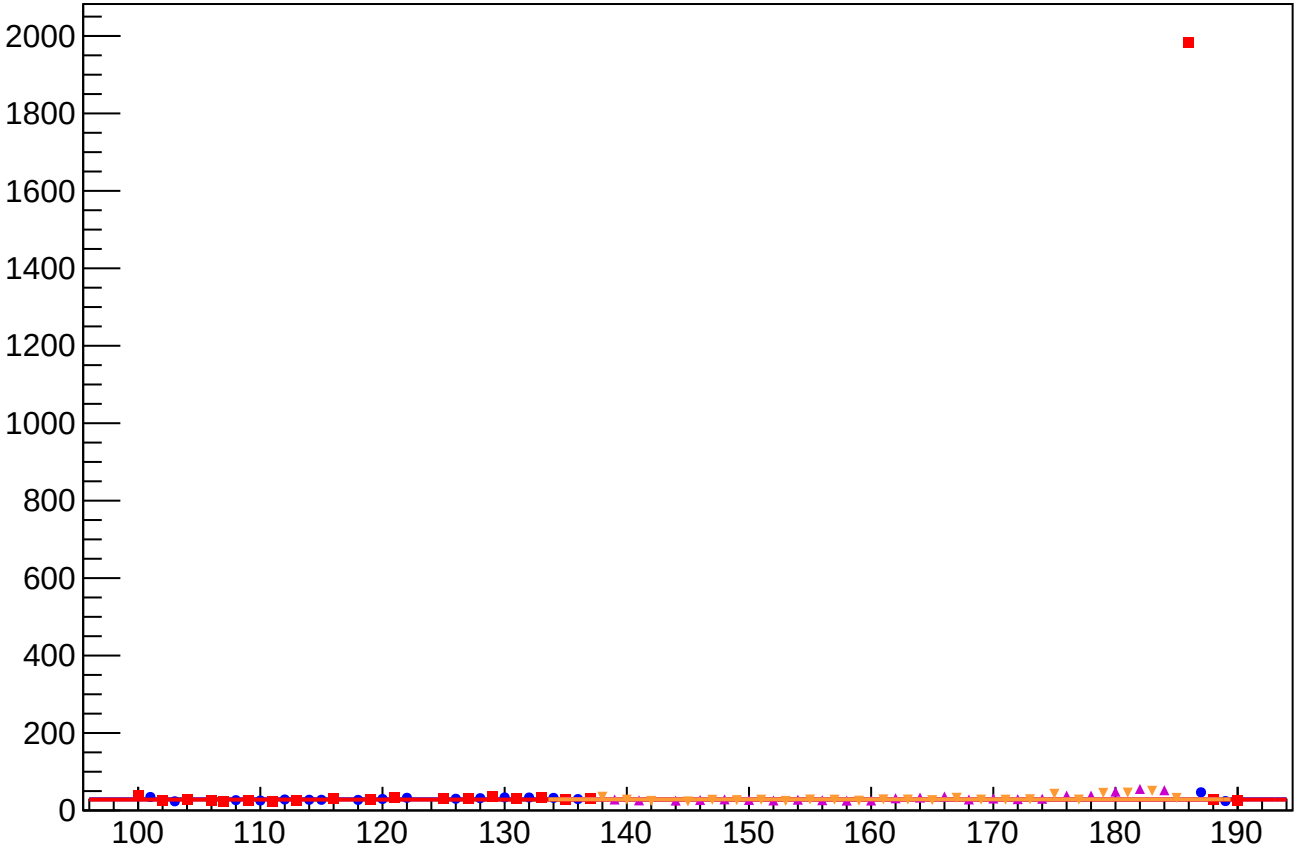
Right: -0.009+/-0.007 χ^2/NDF: 32.7/38

In: 0.003+/-0.006 χ^2/NDF:51.8/40

Out: -0.009+/-0.006 χ^2/NDF:28.7/44

All: -0.003+/-0.004 χ^2/NDF: 82.5/85

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.809+/-0.008 χ^2/NDF: 212358.8/17

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

Right Out: 28.017+/-0.007 χ^2/NDF: 981559.6/20

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

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

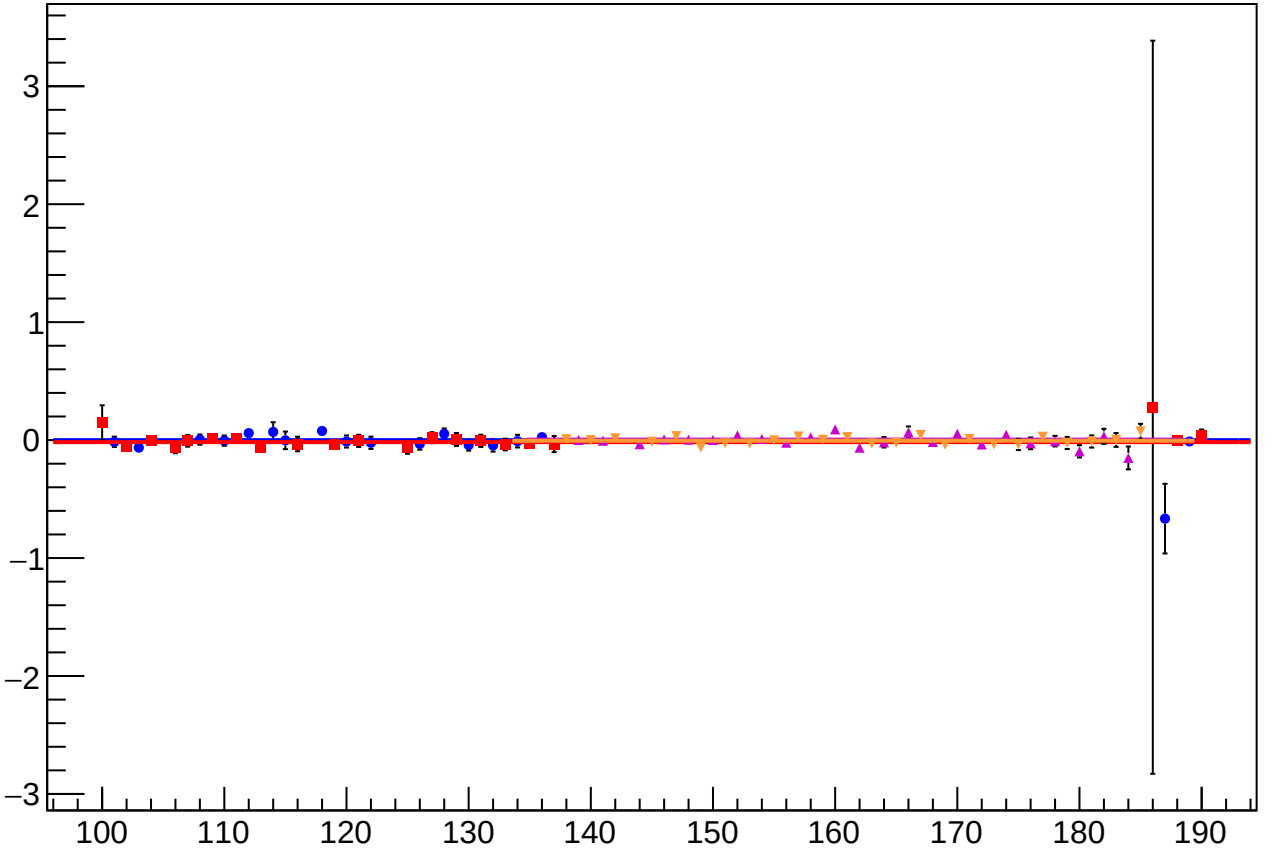
Right: 28.385+/-0.005 χ^2/NDF: 1199704.0/38

In: 29.118+/-0.004 χ^2/NDF:1355061.8/40

Out: 28.528+/-0.004 χ^2/NDF:2159926.8/44

All: 28.813+/-0.003 χ^2/NDF: 3525048.0/85

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.011 χ^2/NDF: 20.5/17

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

Right Out: -0.017+/-0.010 χ^2/NDF: 11.0/20

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

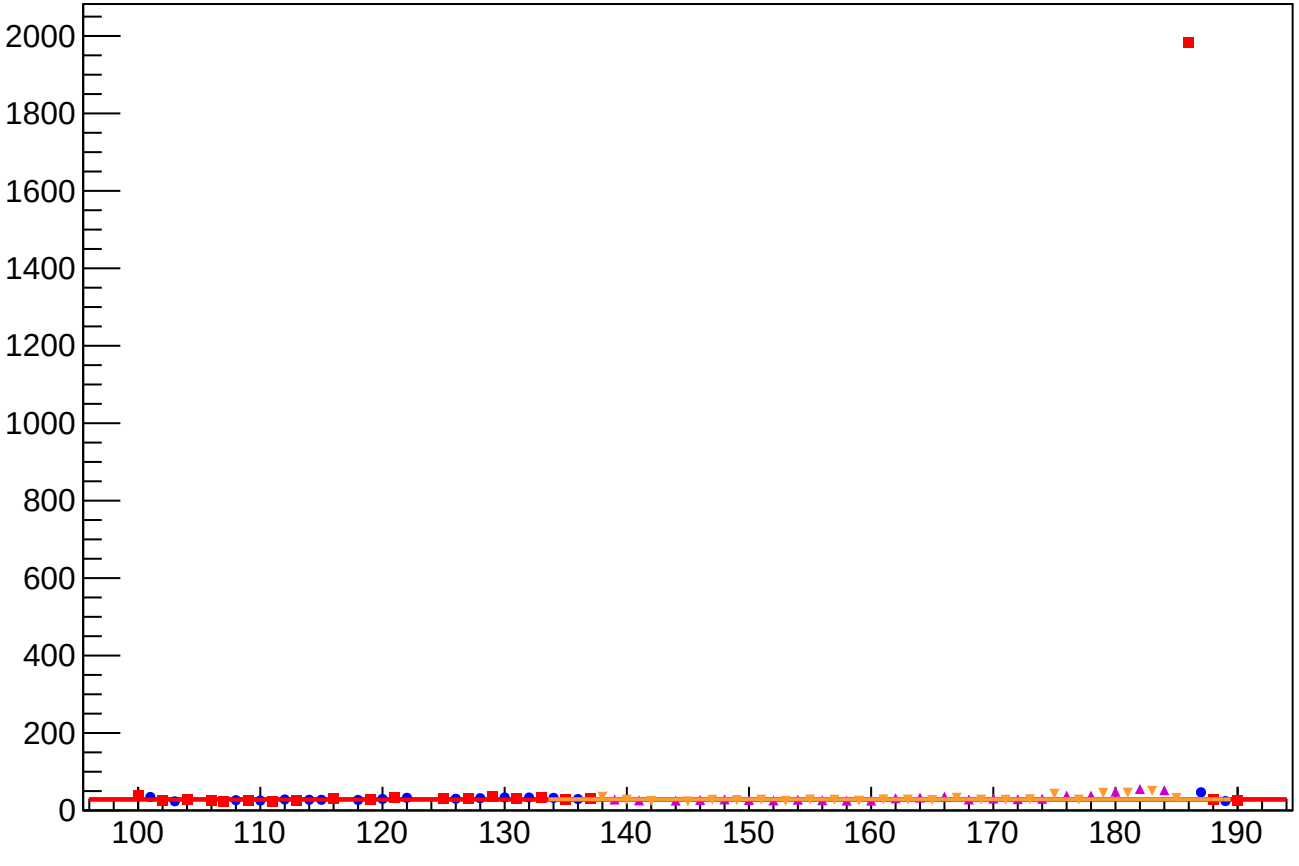
Right: -0.009+/-0.007 χ^2/NDF: 32.7/38

In: 0.003+/-0.006 χ^2/NDF:51.8/40

Out: -0.009+/-0.006 χ^2/NDF:28.7/44

All: -0.003+/-0.004 χ^2/NDF: 82.5/85

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.809+/-0.008 χ^2/NDF: 212358.8/17

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

Right Out: 28.017+/-0.007 χ^2/NDF: 981559.6/20

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

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

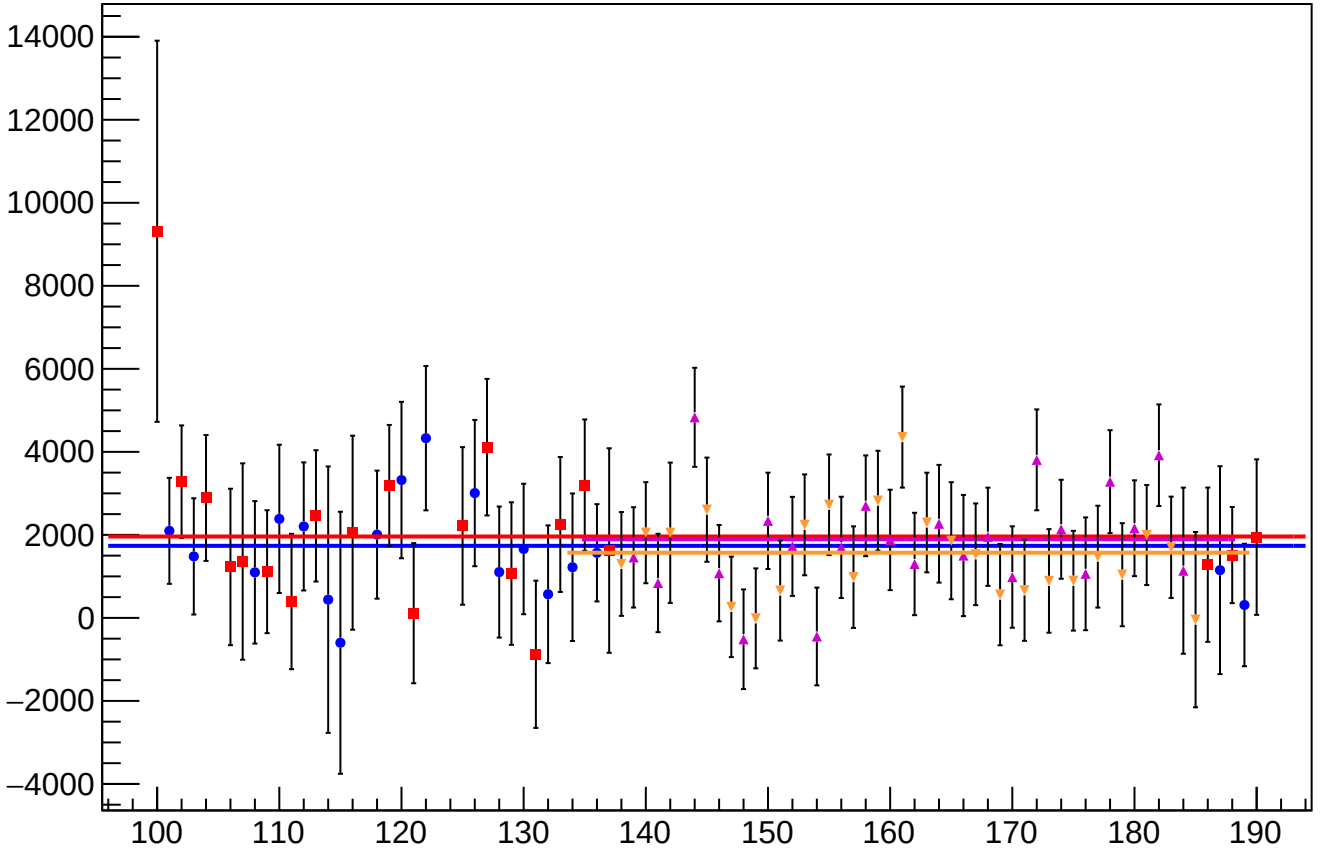
Right: 28.385+/-0.005 χ^2/NDF: 1199704.0/38

In: 29.118+/-0.004 χ^2/NDF:1355061.8/40

Out: 28.528+/-0.004 χ^2/NDF:2159926.8/44

All: 28.813+/-0.003 χ^2/NDF: 3525048.0/85

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

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

Right Out: 1961.287+/-370.352 χ^2/NDF: 12.9/20

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

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

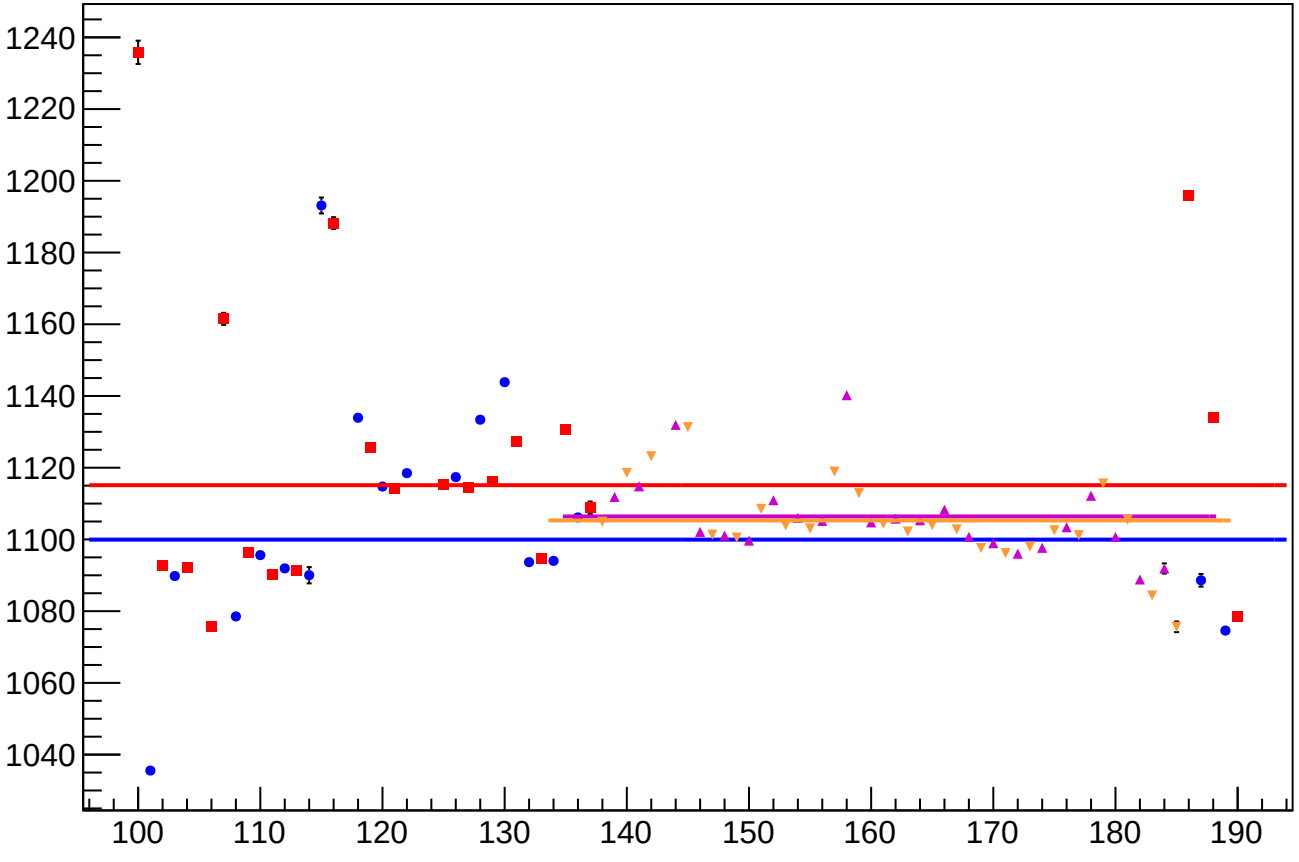
Right: 1854.407+/-268.487 χ^2/NDF: 19.5/38

In: 1845.329+/-215.338 χ^2/NDF:30.6/40

Out: 1697.582+/-210.885 χ^2/NDF:29.0/44

All: 1769.912+/-150.668 χ^2/NDF: 59.9/85

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

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

Right Out: 1115.126+/-0.262 χ^2/NDF: 13027.9/20

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

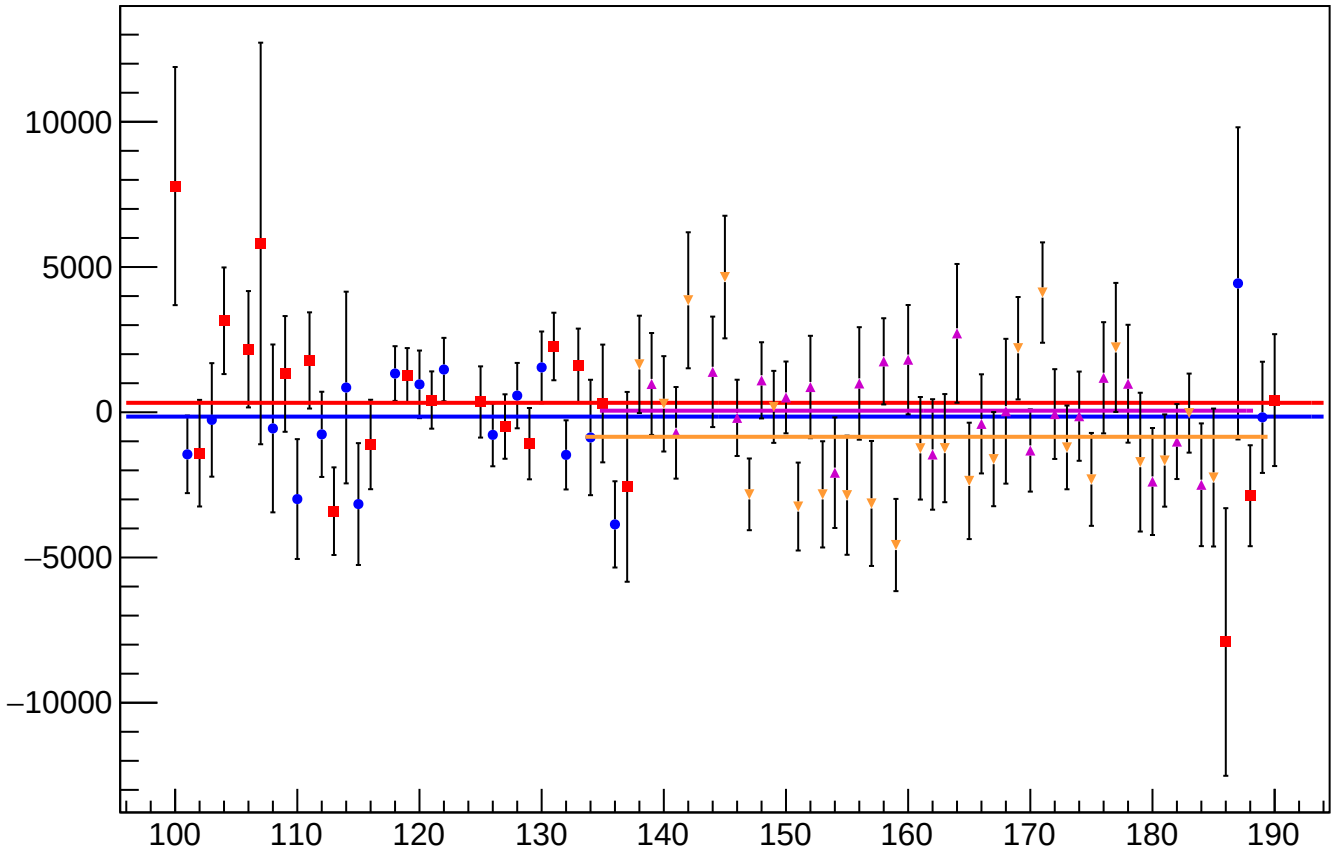
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1107.924+/-0.190 χ^2/NDF: 26664.0/38

In: 1104.434+/-0.152 χ^2/NDF:16200.0/40

Out: 1108.482+/-0.149 χ^2/NDF:17142.2/44

All: 1106.500+/-0.107 χ^2/NDF: 33702.9/85



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

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

Right Out: 325.018+/-333.866 χ^2/NDF: 30.1/20

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

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

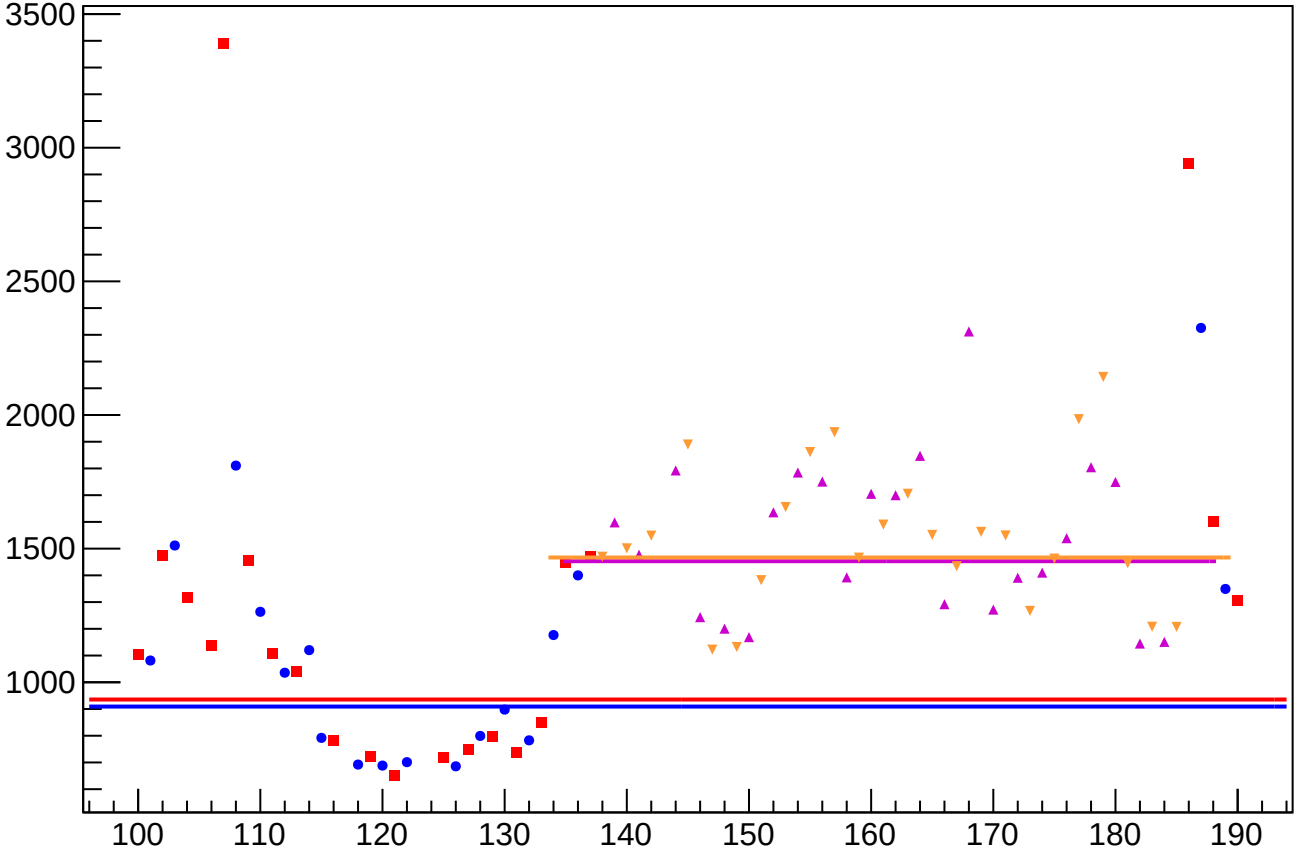
Right: 91.450+/-237.967 χ^2/NDF: 52.9/38

In: -49.689+/-242.232 χ^2/NDF:35.0/40

Out: -236.678+/-240.704 χ^2/NDF:80.2/44

All: -143.776+/-170.741 χ^2/NDF: 115.4/85

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

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

Right Out: 935.518+/-0.236 χ^2/NDF: 2106587.5/20

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

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

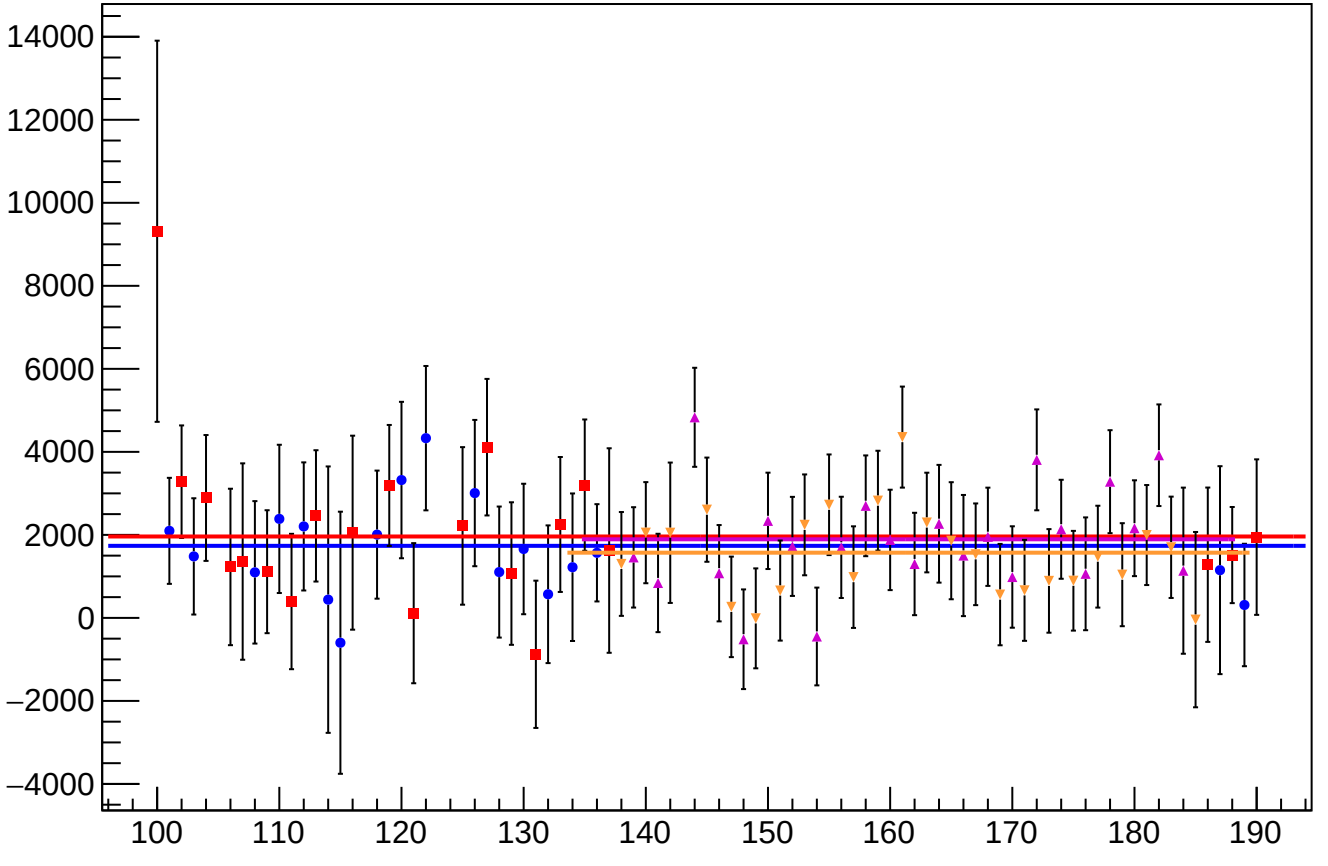
Right: 922.543+/-0.168 χ^2/NDF: 3497035.4/38

In: 1175.753+/-0.171 χ^2/NDF:5033191.2/40

Out: 1190.672+/-0.170 χ^2/NDF:5582370.0/44

All: 1183.260+/-0.121 χ^2/NDF: 10619378.5/8

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

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

Right Out: 1961.287+/-370.352 χ^2/NDF: 12.9/20

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

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

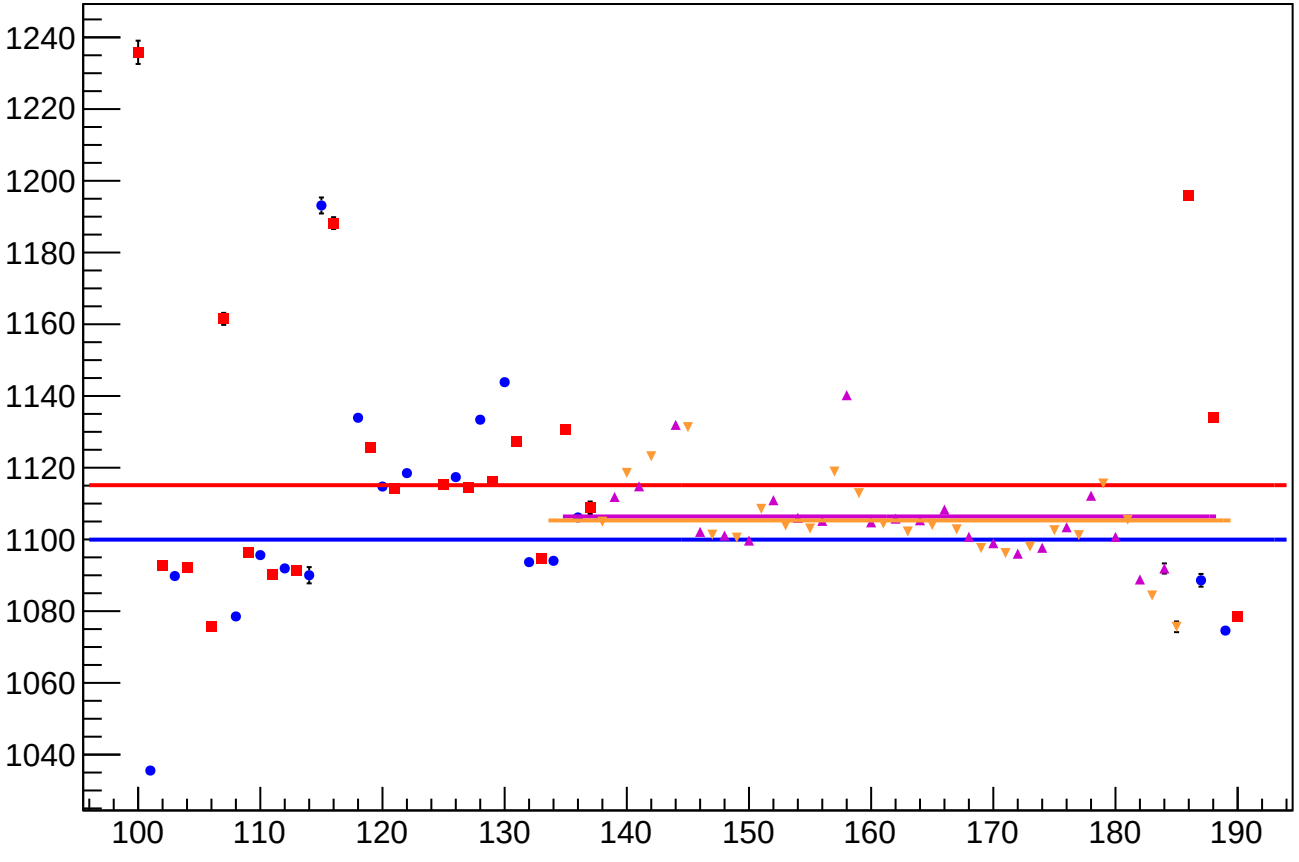
Right: 1854.407+/-268.487 χ^2/NDF: 19.5/38

In: 1845.329+/-215.338 χ^2/NDF:30.6/40

Out: 1697.582+/-210.885 χ^2/NDF:29.0/44

All: 1769.912+/-150.668 χ^2/NDF: 59.9/85

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

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

Right Out: 1115.126+/-0.262 χ^2/NDF: 13027.9/20

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

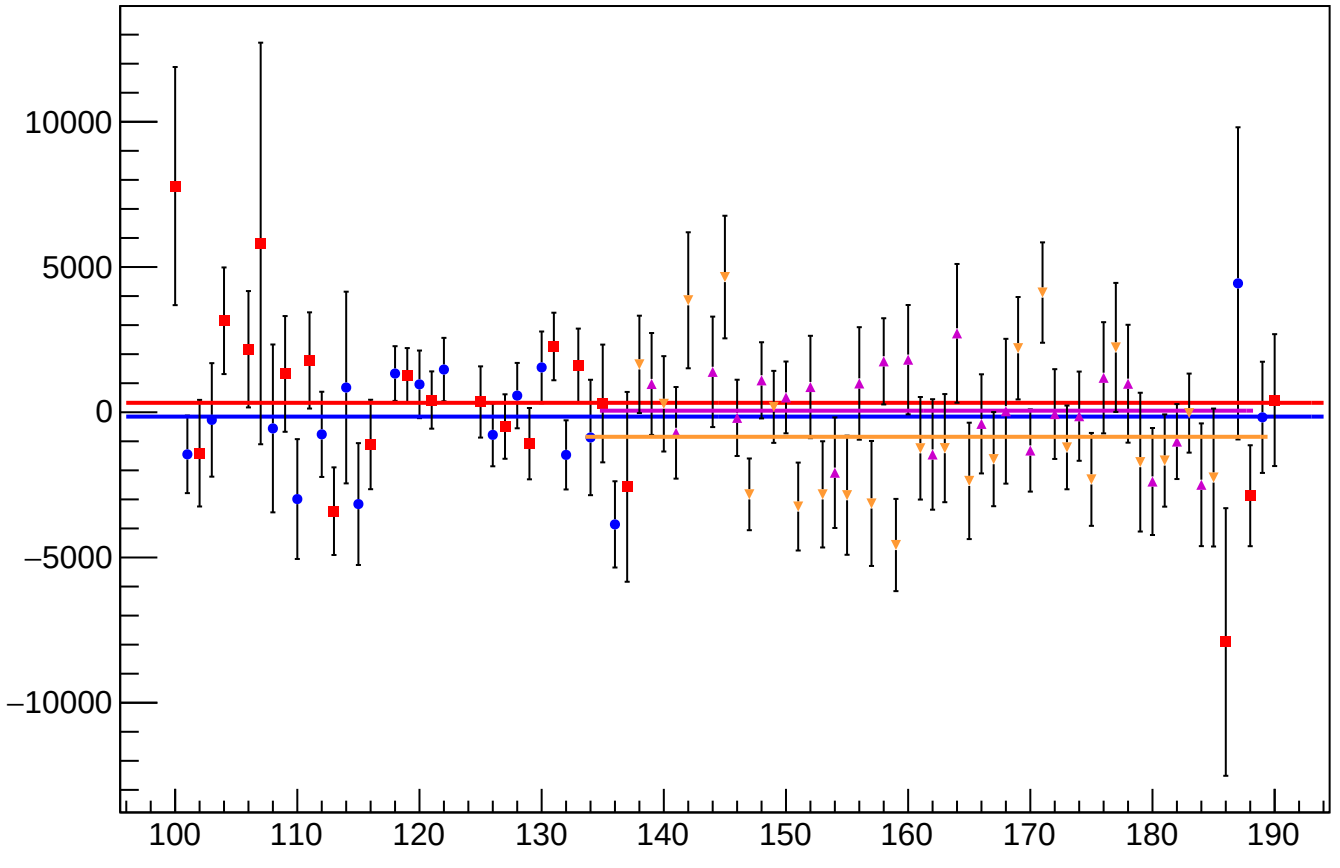
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1107.924+/-0.190 χ^2/NDF: 26664.0/38

In: 1104.434+/-0.152 χ^2/NDF:16200.0/40

Out: 1108.482+/-0.149 χ^2/NDF:17142.2/44

All: 1106.500+/-0.107 χ^2/NDF: 33702.9/85



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

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

Right Out: 325.018+/-333.866 χ^2/NDF: 30.1/20

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

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

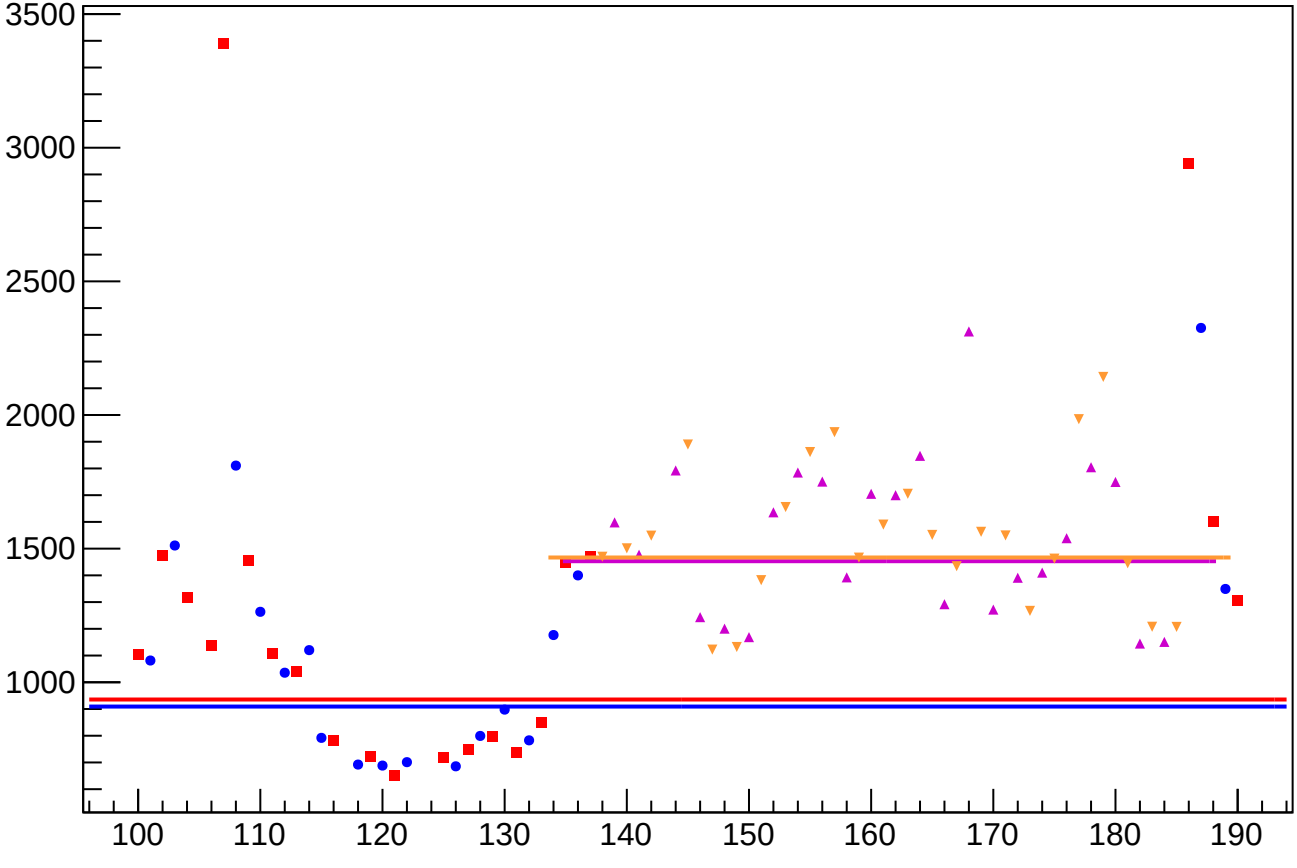
Right: 91.450+/-237.967 χ^2/NDF: 52.9/38

In: -49.689+/-242.232 χ^2/NDF:35.0/40

Out: -236.678+/-240.704 χ^2/NDF:80.2/44

All: -143.776+/-170.741 χ^2/NDF: 115.4/85

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

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

Right Out: 935.518+/-0.236 χ^2/NDF: 2106587.5/20

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

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

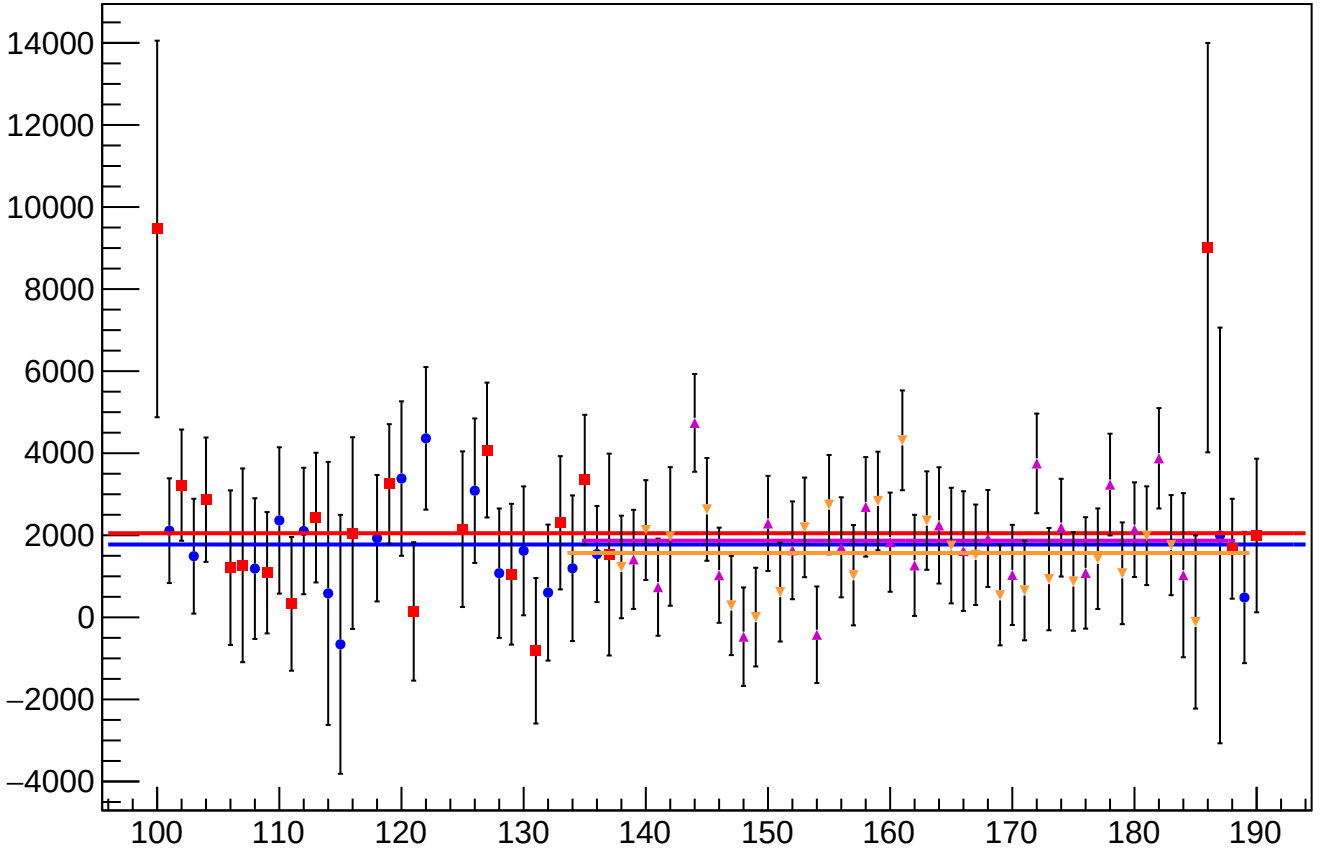
Right: 922.543+/-0.168 χ^2/NDF: 3497035.4/38

In: 1175.753+/-0.171 χ^2/NDF:5033191.2/40

Out: 1190.672+/-0.170 χ^2/NDF:5582370.0/44

All: 1183.260+/-0.121 χ^2/NDF: 10619378.5/8

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1775.556+/-395.200 χ^2/NDF: 6.1/17

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

Right Out: 2050.094+/-378.469 χ^2/NDF: 14.8/20

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

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

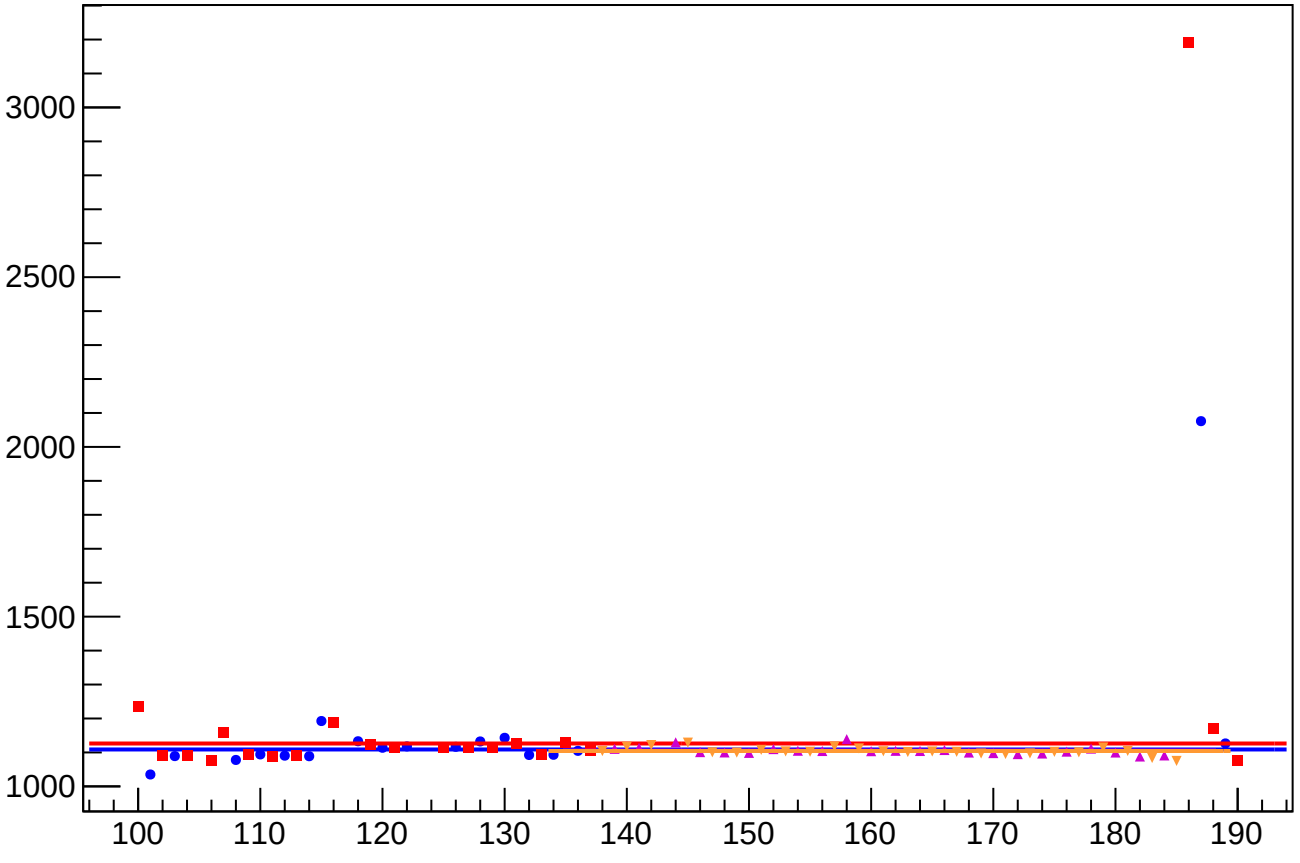
Right: 1918.759+/-273.342 χ^2/NDF: 21.2/38

In: 1841.301+/-216.097 χ^2/NDF:29.6/40

Out: 1720.110+/-212.214 χ^2/NDF:31.3/44

All: 1779.607+/-151.412 χ^2/NDF: 61.0/85

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.726+/-0.279 χ^2/NDF: 85124.4/17

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

Right Out: 1126.311+/-0.268 χ^2/NDF: 357486.8/20

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

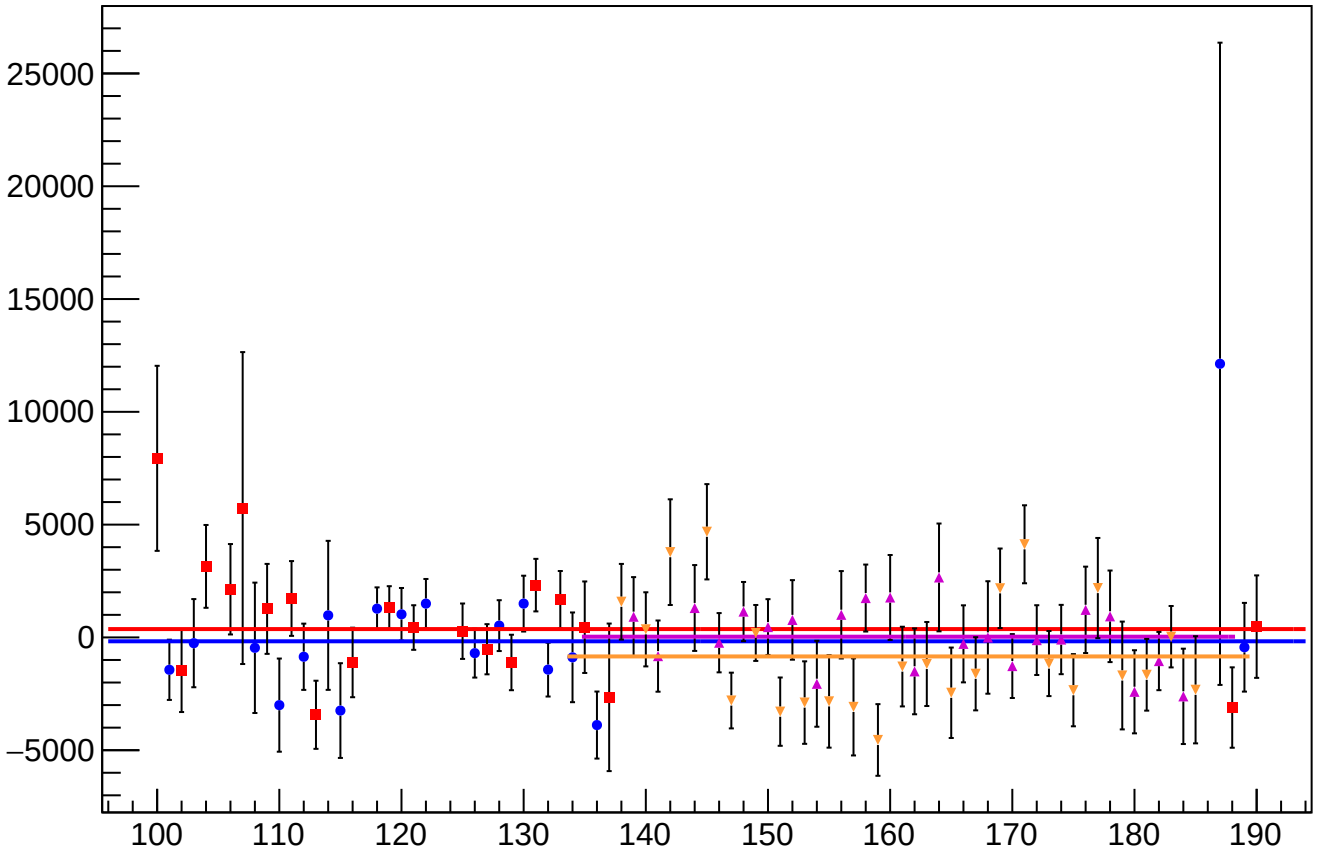
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1117.898+/-0.193 χ^2/NDF: 444676.6/38

In: 1106.381+/-0.153 χ^2/NDF:88885.9/40

Out: 1111.191+/-0.150 χ^2/NDF:365141.4/44

All: 1108.830+/-0.107 χ^2/NDF: 454531.9/85



Right In: -171.838+/-340.649 χ^2/NDF: 21.7/17

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

Right Out: 369.701+/-335.525 χ^2/NDF: 27.9/19

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

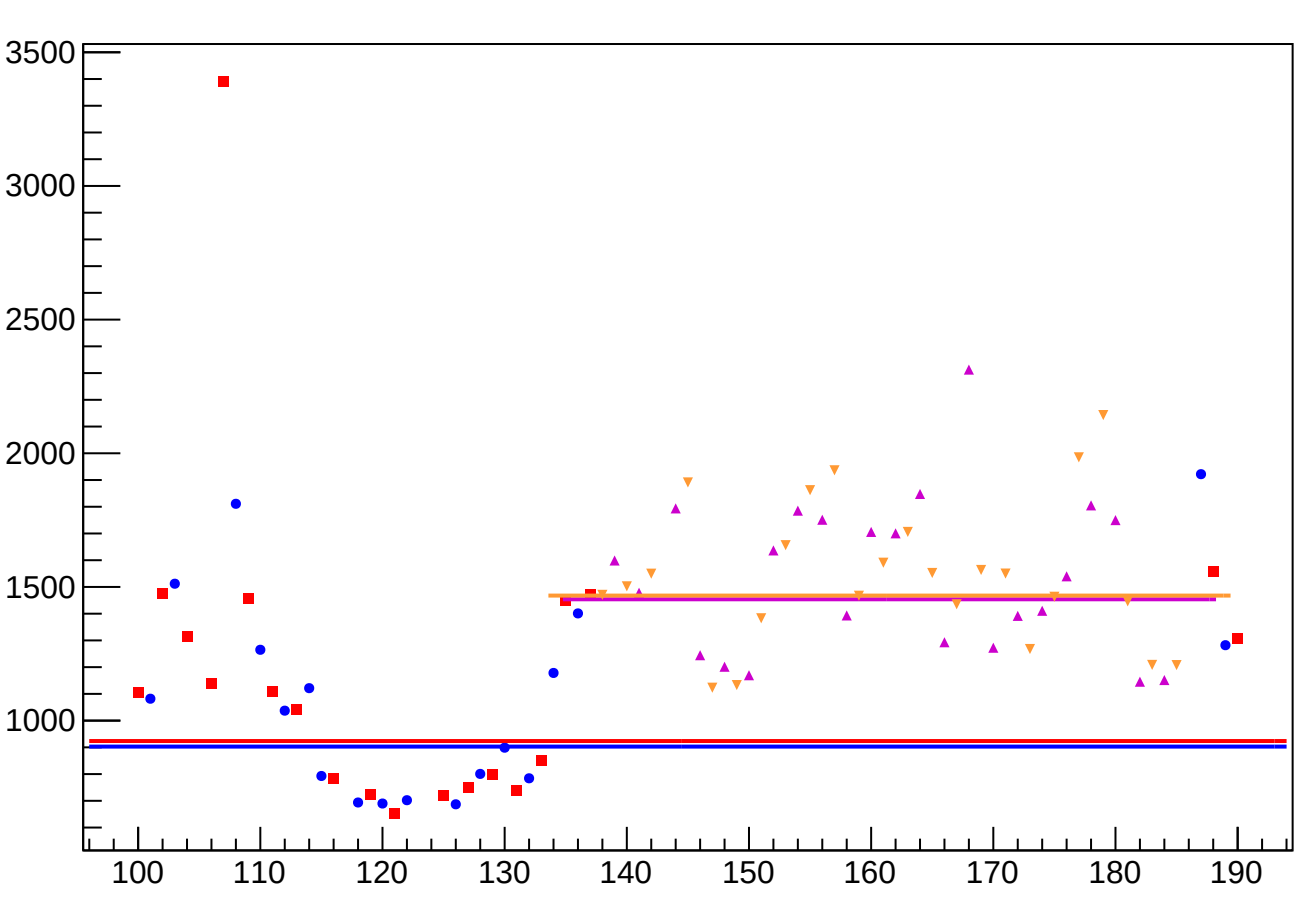
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 103.035+/-239.043 χ^2/NDF: 50.8/37

In: -71.855+/-242.799 χ^2/NDF:34.9/40

Out: -215.464+/-241.387 χ^2/NDF:78.2/43

All: -144.078+/-171.183 χ^2/NDF: 113.3/84



Right In: 902.838+/-0.241 χ^2/NDF: 1215946.0/17

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

Right Out: 923.614+/-0.237 χ^2/NDF: 1669314.4/19

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

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

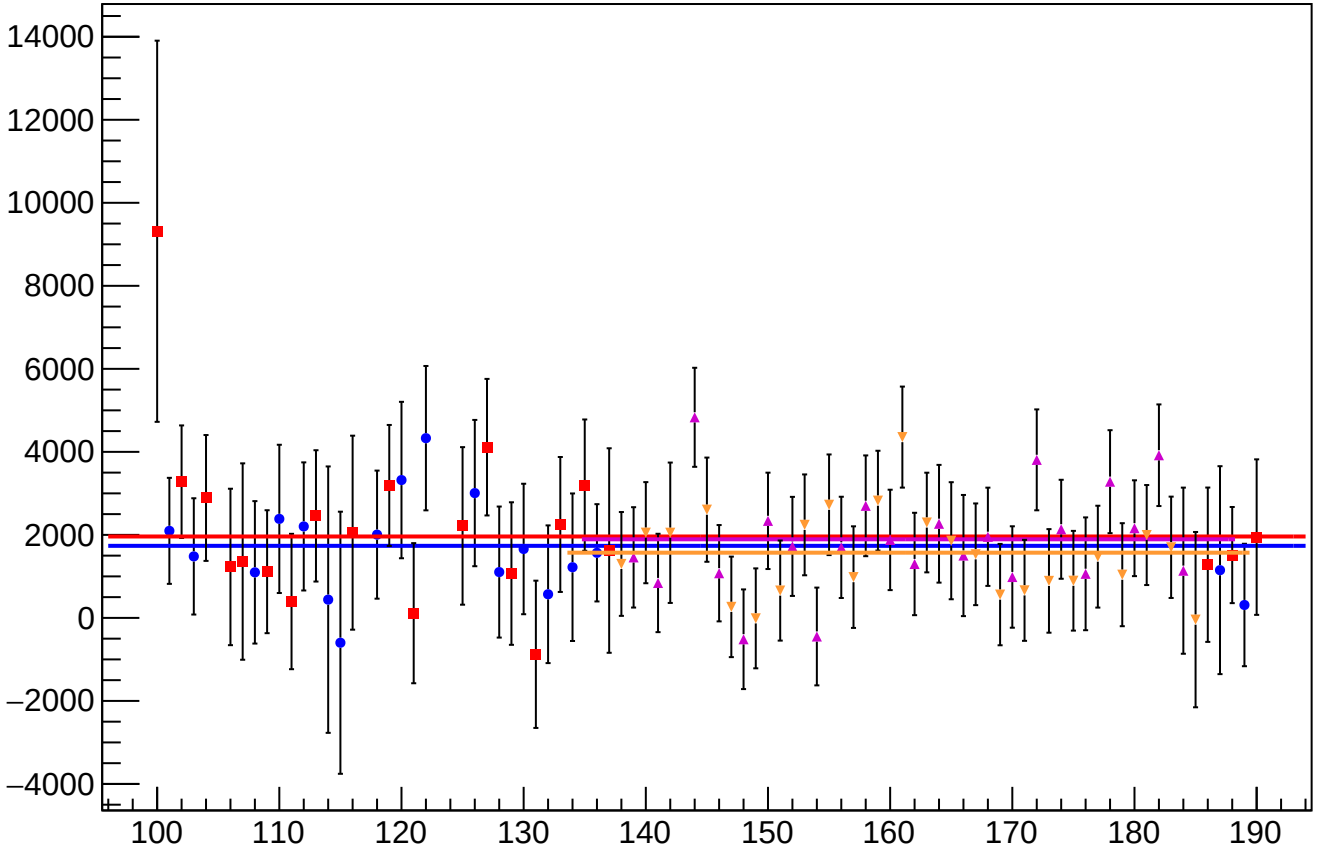
Right: 913.383+/-0.169 χ^2/NDF: 2889036.5/37

In: 1173.919+/-0.172 χ^2/NDF:4918266.2/40

Out: 1186.090+/-0.171 χ^2/NDF:5248272.2/43

All: 1180.040+/-0.121 χ^2/NDF: 10169065.7/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

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

Right Out: 1961.287+/-370.352 χ^2/NDF: 12.9/20

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

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

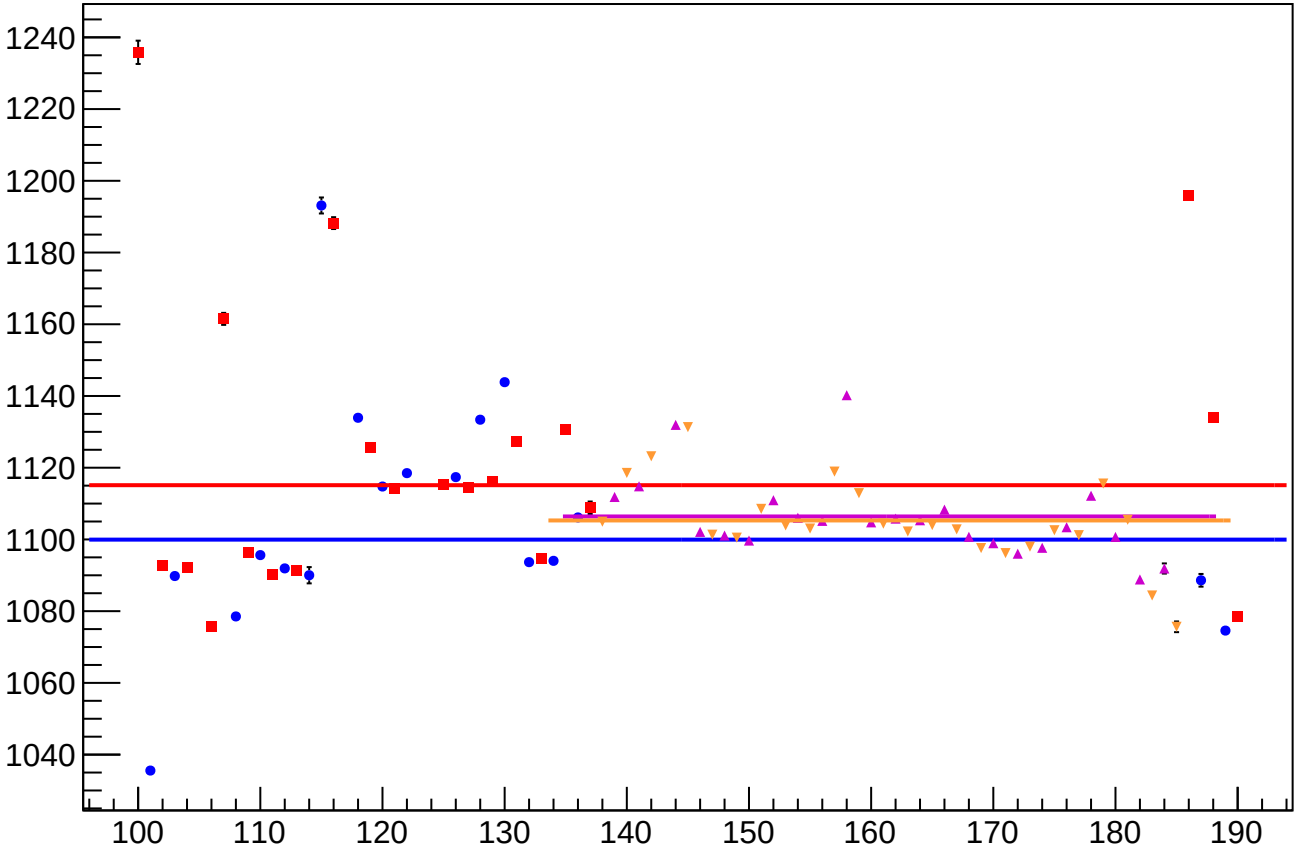
Right: 1854.407+/-268.487 χ^2/NDF: 19.5/38

In: 1845.329+/-215.338 χ^2/NDF:30.6/40

Out: 1697.582+/-210.885 χ^2/NDF:29.0/44

All: 1769.912+/-150.668 χ^2/NDF: 59.9/85

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

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

Right Out: 1115.126+/-0.262 χ^2/NDF: 13027.9/20

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

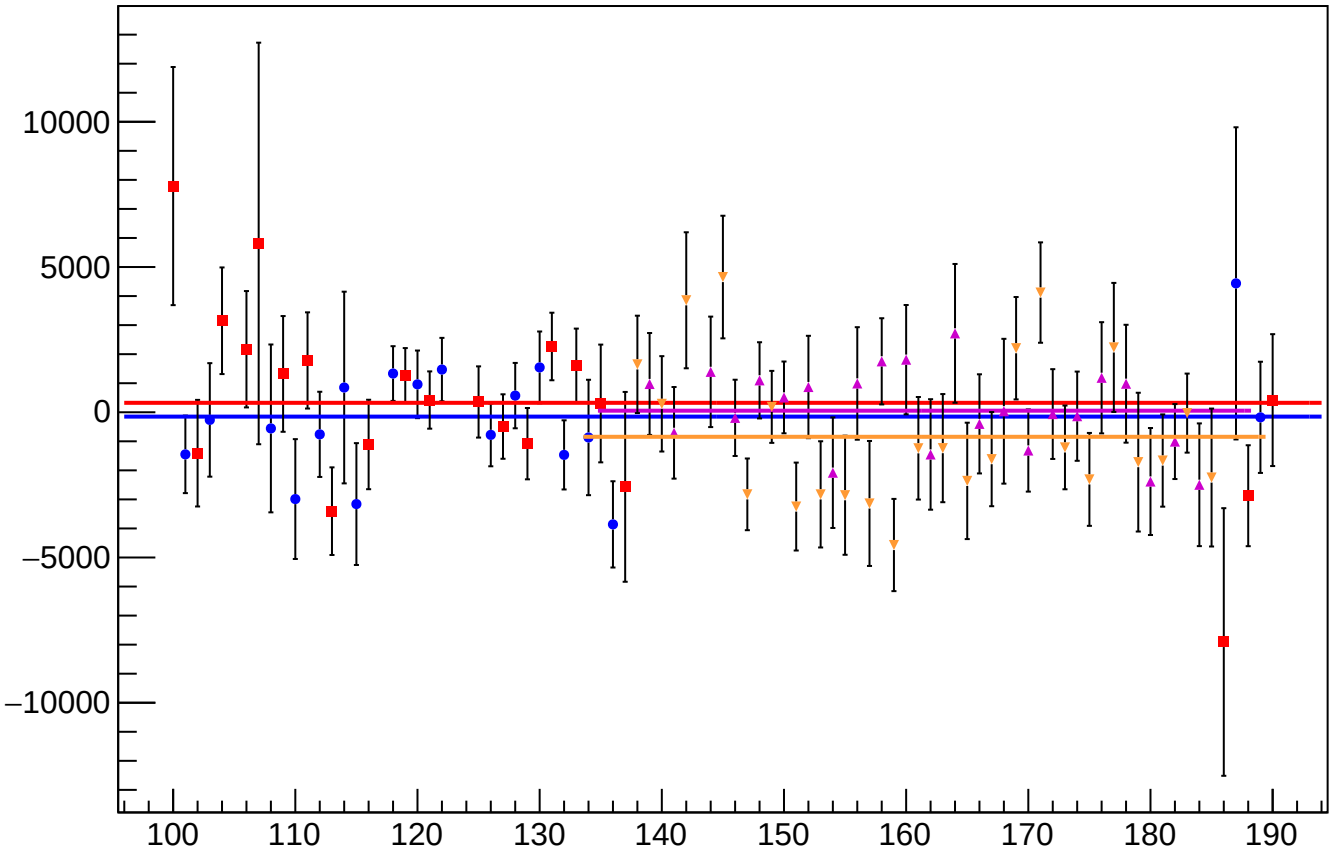
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1107.924+/-0.190 χ^2/NDF: 26664.0/38

In: 1104.434+/-0.152 χ^2/NDF:16200.0/40

Out: 1108.482+/-0.149 χ^2/NDF:17142.2/44

All: 1106.500+/-0.107 χ^2/NDF: 33702.9/85



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

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

Right Out: 325.018+/-333.866 χ^2/NDF: 30.1/20

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

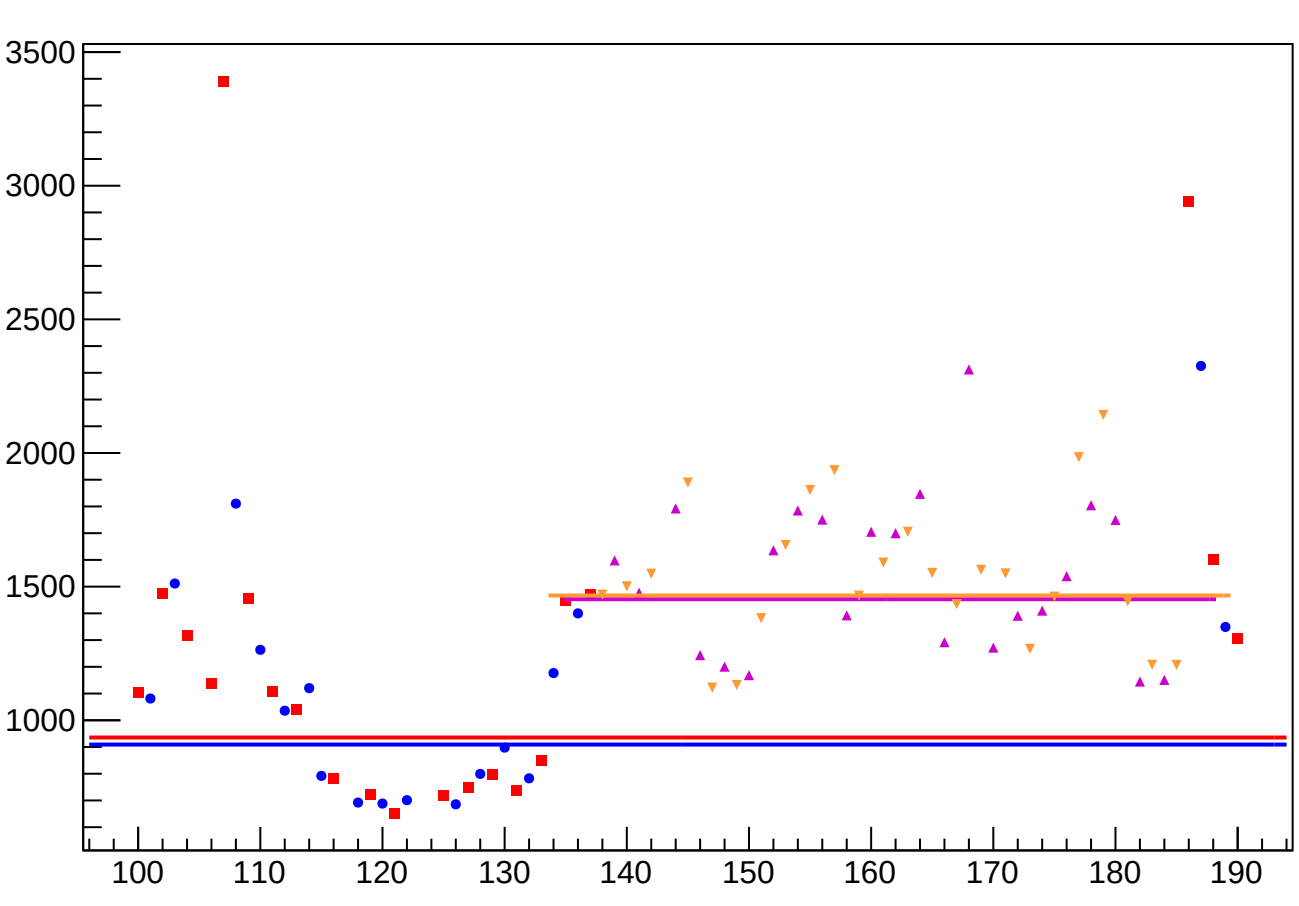
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 91.450+/-237.967 χ^2/NDF: 52.9/38

In: -49.689+/-242.232 χ^2/NDF:35.0/40

Out: -236.678+/-240.704 χ^2/NDF:80.2/44

All: -143.776+/-170.741 χ^2/NDF: 115.4/85



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

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

Right Out: 935.518+/-0.236 χ^2/NDF: 2106587.5/20

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

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

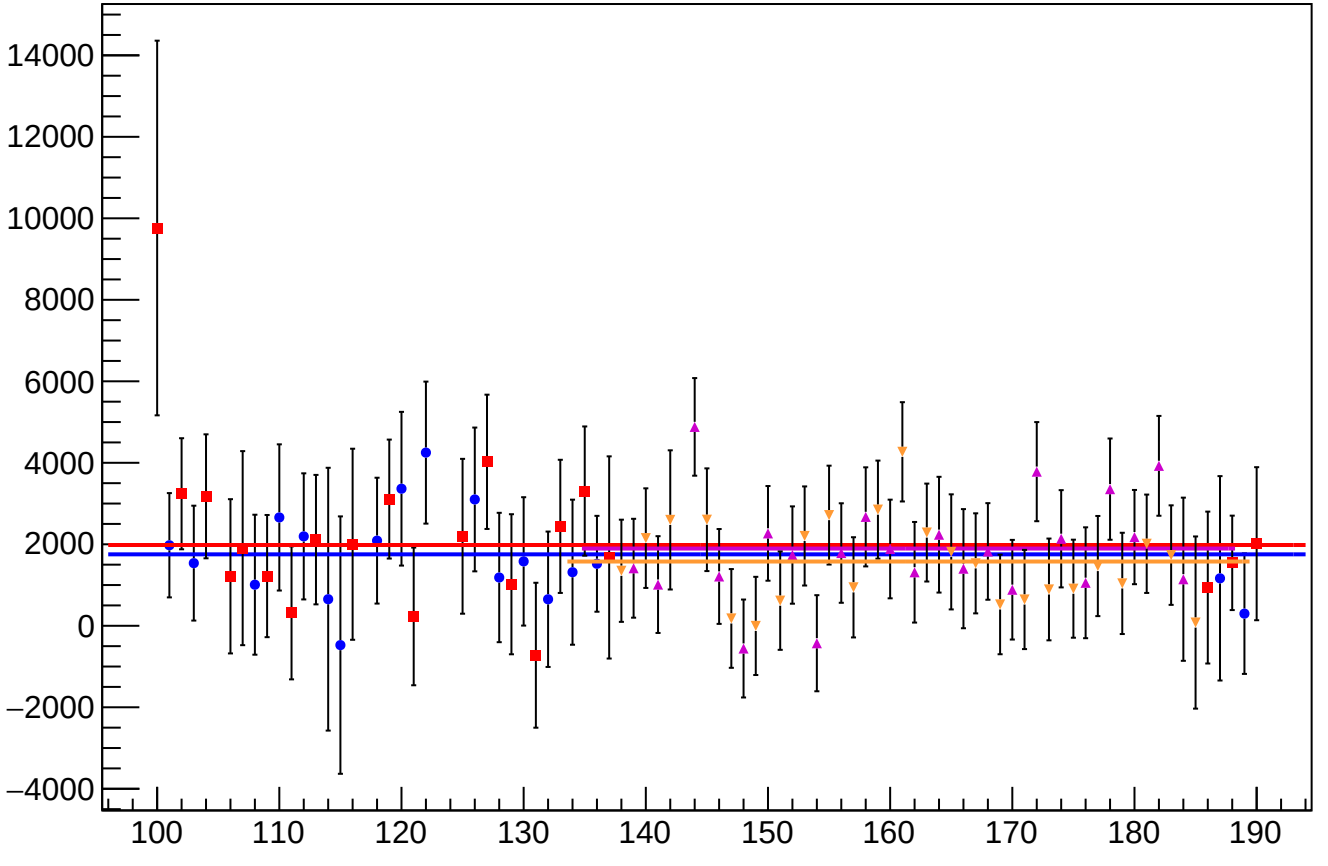
Right: 922.543+/-0.168 χ^2/NDF: 3497035.4/38

In: 1175.753+/-0.171 χ^2/NDF:5033191.2/40

Out: 1190.672+/-0.170 χ^2/NDF:5582370.0/44

All: 1183.260+/-0.121 χ^2/NDF: 10619378.5/8

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1753.471+/-390.887 χ^2/NDF: 6.3/17

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 1982.613+/-371.586 χ^2/NDF: 12.9/20

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

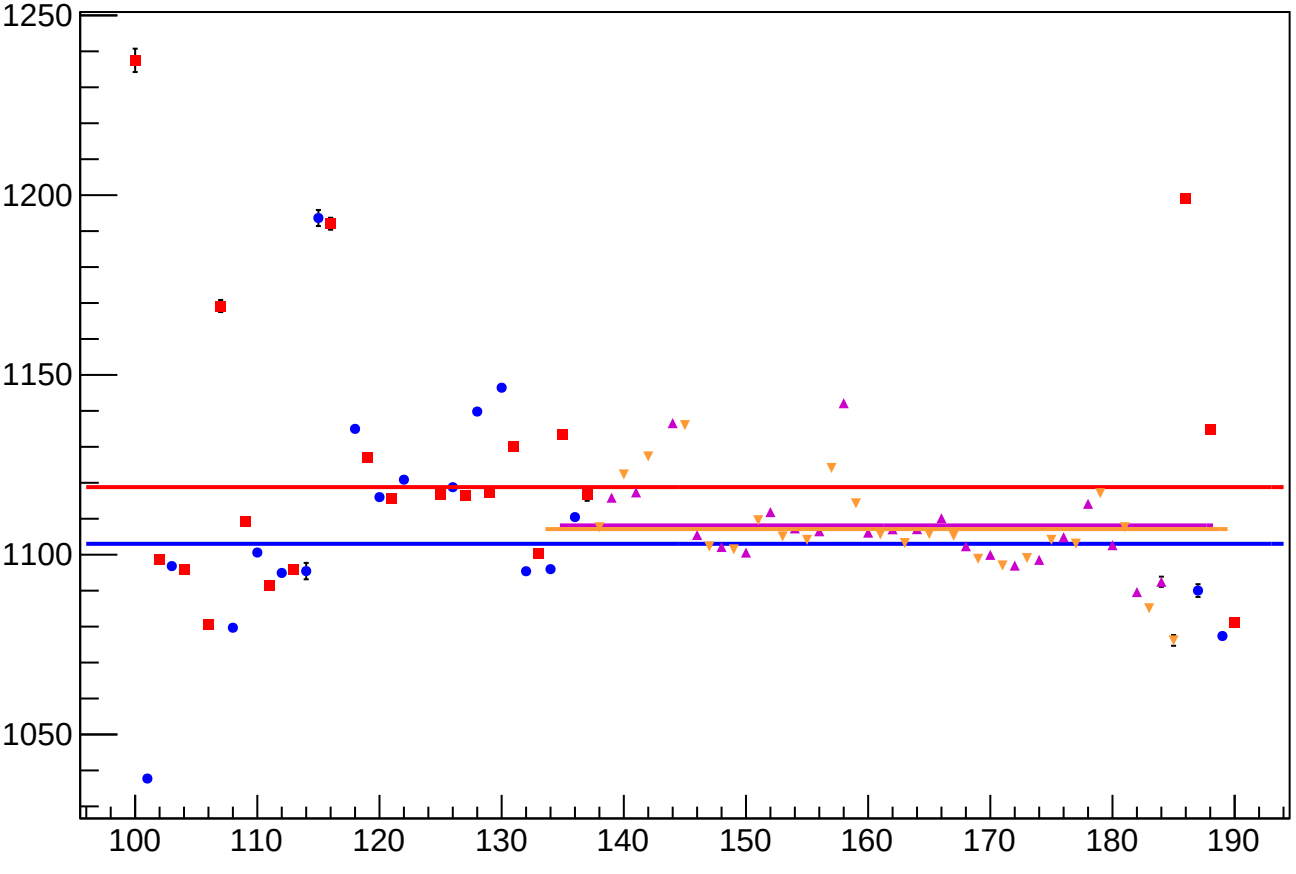
Right: 1873.839+/-269.316 χ^2/NDF: 19.4/38

In: 1852.260+/-215.761 χ^2/NDF:30.5/40

Out: 1708.519+/-211.372 χ^2/NDF:29.2/44

All: 1778.912+/-150.990 χ^2/NDF: 60.0/85

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.029+/-0.276 χ^2/NDF: 12050.2/17

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1118.802+/-0.263 χ^2/NDF: 12421.5/20

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

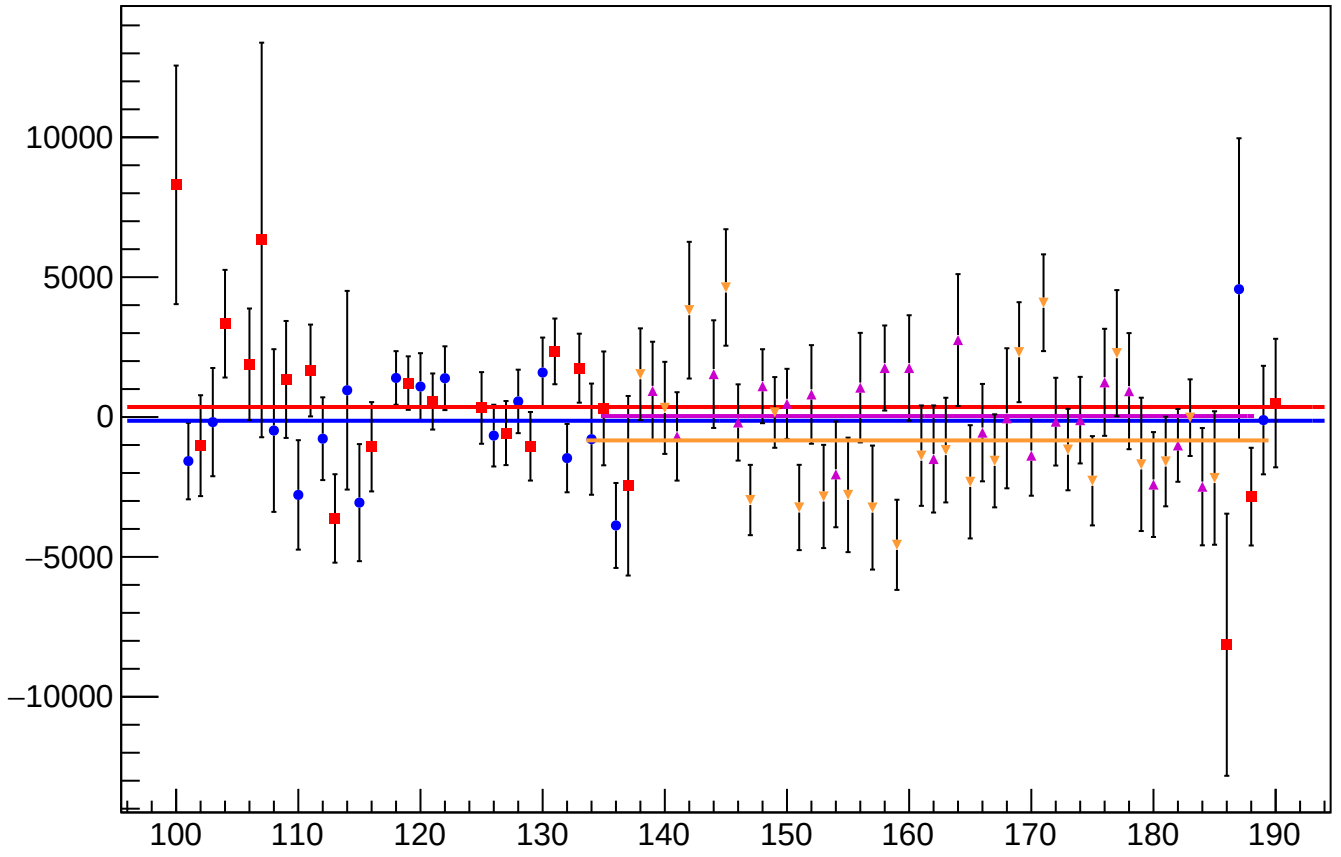
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1111.314+/-0.190 χ^2/NDF: 26182.4/38

In: 1106.586+/-0.153 χ^2/NDF:16479.0/40

Out: 1110.904+/-0.149 χ^2/NDF:17540.7/44

All: 1108.790+/-0.107 χ^2/NDF: 34428.5/85



Right In: -133.244+/-344.986 χ^2/NDF: 21.2/17

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 358.908+/-338.891 χ^2/NDF: 30.1/20

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

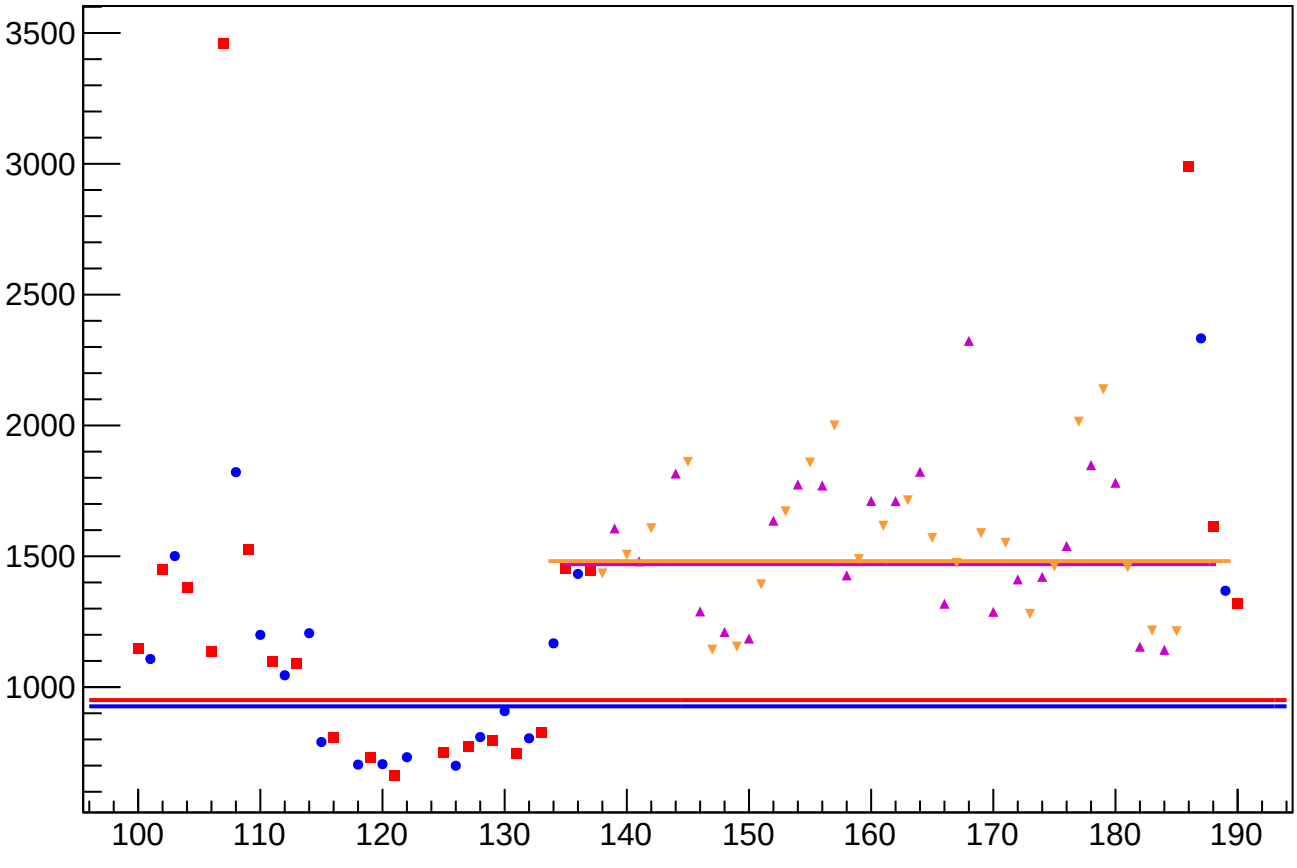
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 117.218+/-241.758 χ^2/NDF: 52.4/38

In: -49.994+/-245.569 χ^2/NDF:34.5/40

Out: -217.891+/-243.672 χ^2/NDF:79.7/44

All: -134.593+/-172.969 χ^2/NDF: 114.4/85



Right In: 926.491+/-0.244 χ^2/NDF: 1325863.1/17

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 950.420+/-0.240 χ^2/NDF: 2093732.8/20

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

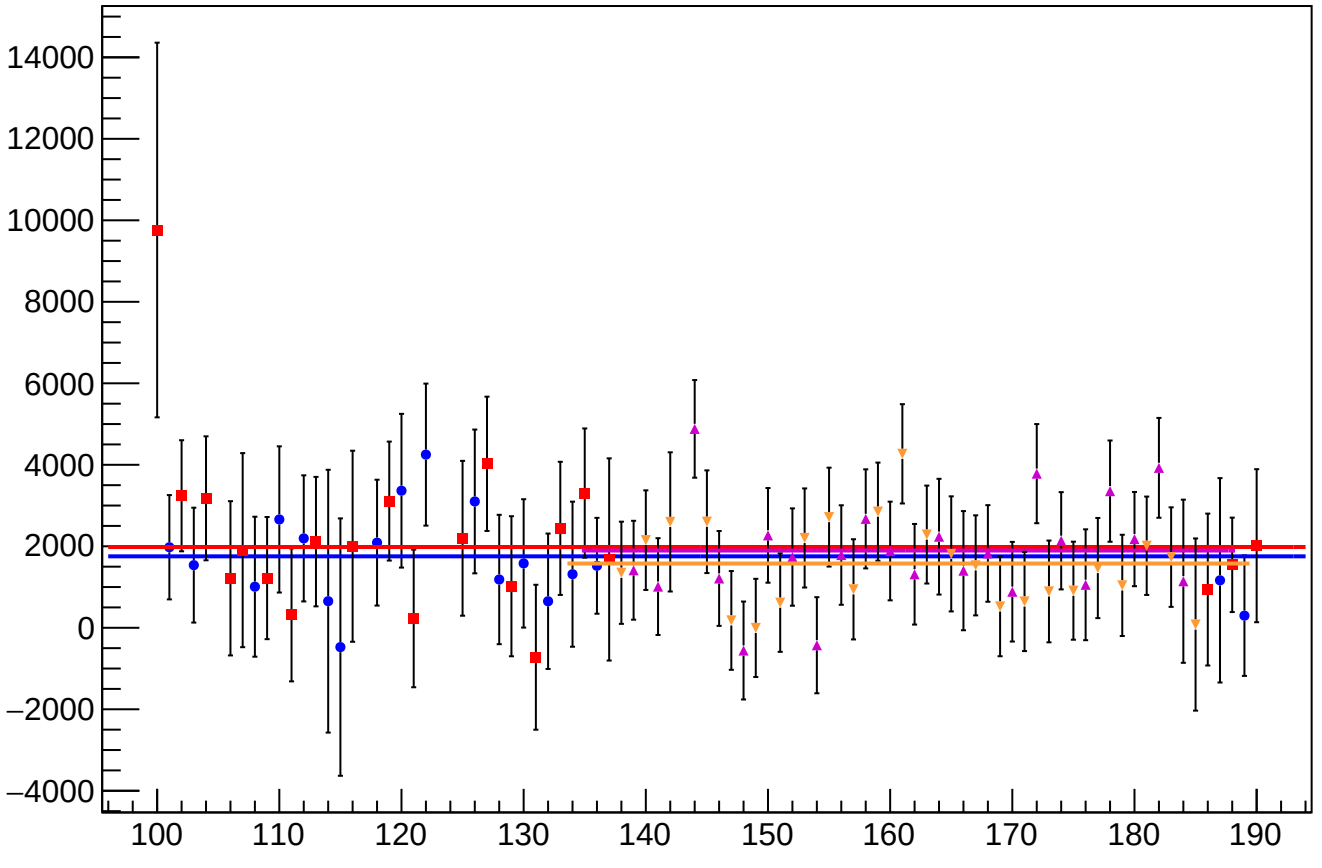
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 938.669+/-0.171 χ^2/NDF: 3424492.5/38

In: 1194.561+/-0.174 χ^2/NDF:4868902.7/40

Out: 1206.953+/-0.172 χ^2/NDF:5483933.0/44

All: 1200.805+/-0.122 χ^2/NDF: 10355401.9/8



Right In: 1753.470+/-390.887 χ^2/NDF: 6.3/17

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 1982.611+/-371.586 χ^2/NDF: 12.9/20

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

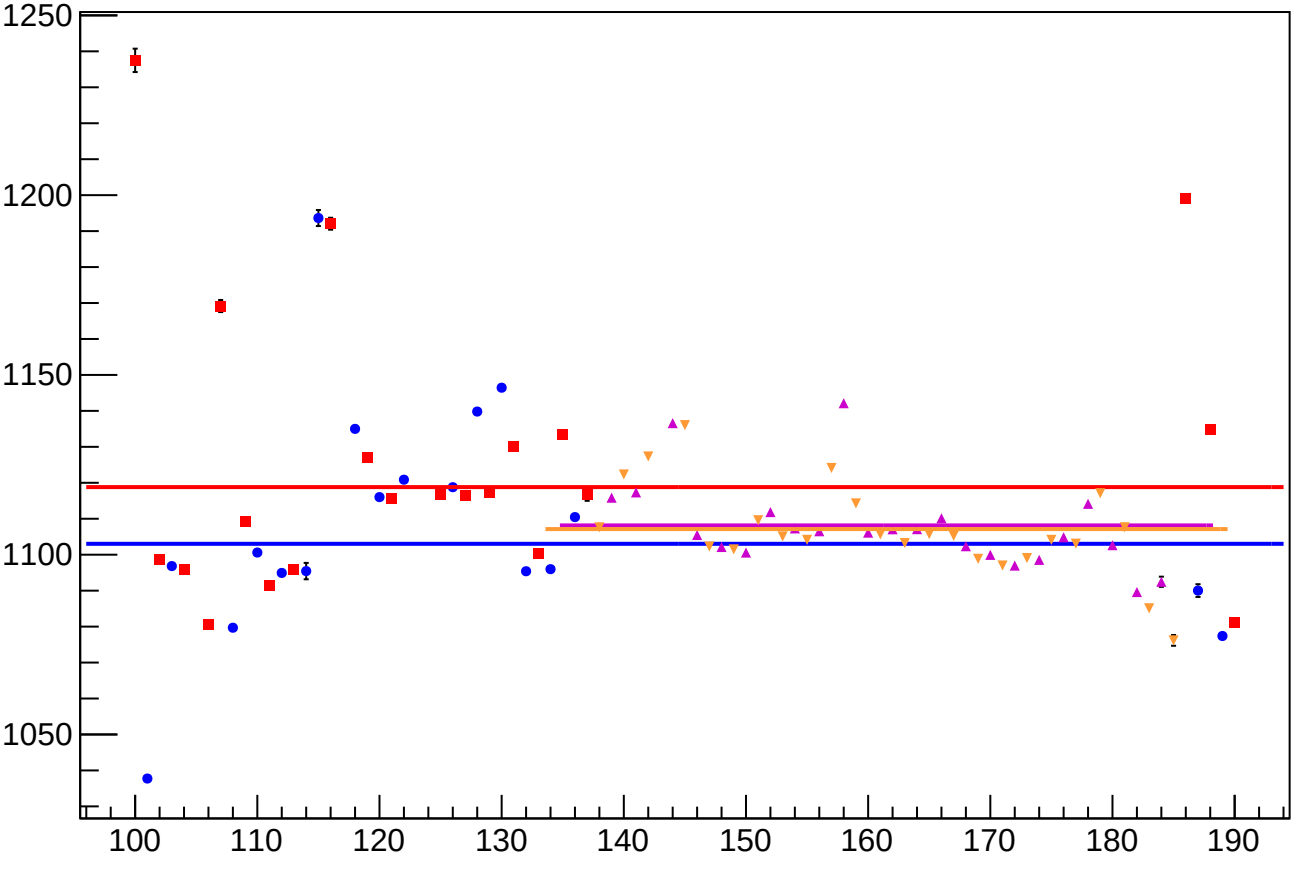
Right: 1873.837+/-269.316 χ^2/NDF: 19.4/38

In: 1852.260+/-215.761 χ^2/NDF:30.5/40

Out: 1708.516+/-211.372 χ^2/NDF:29.2/44

All: 1778.911+/-150.990 χ^2/NDF: 60.0/85

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.029+/-0.276 χ^2/NDF: 12050.2/17

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1118.802+/-0.263 χ^2/NDF: 12421.5/20

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

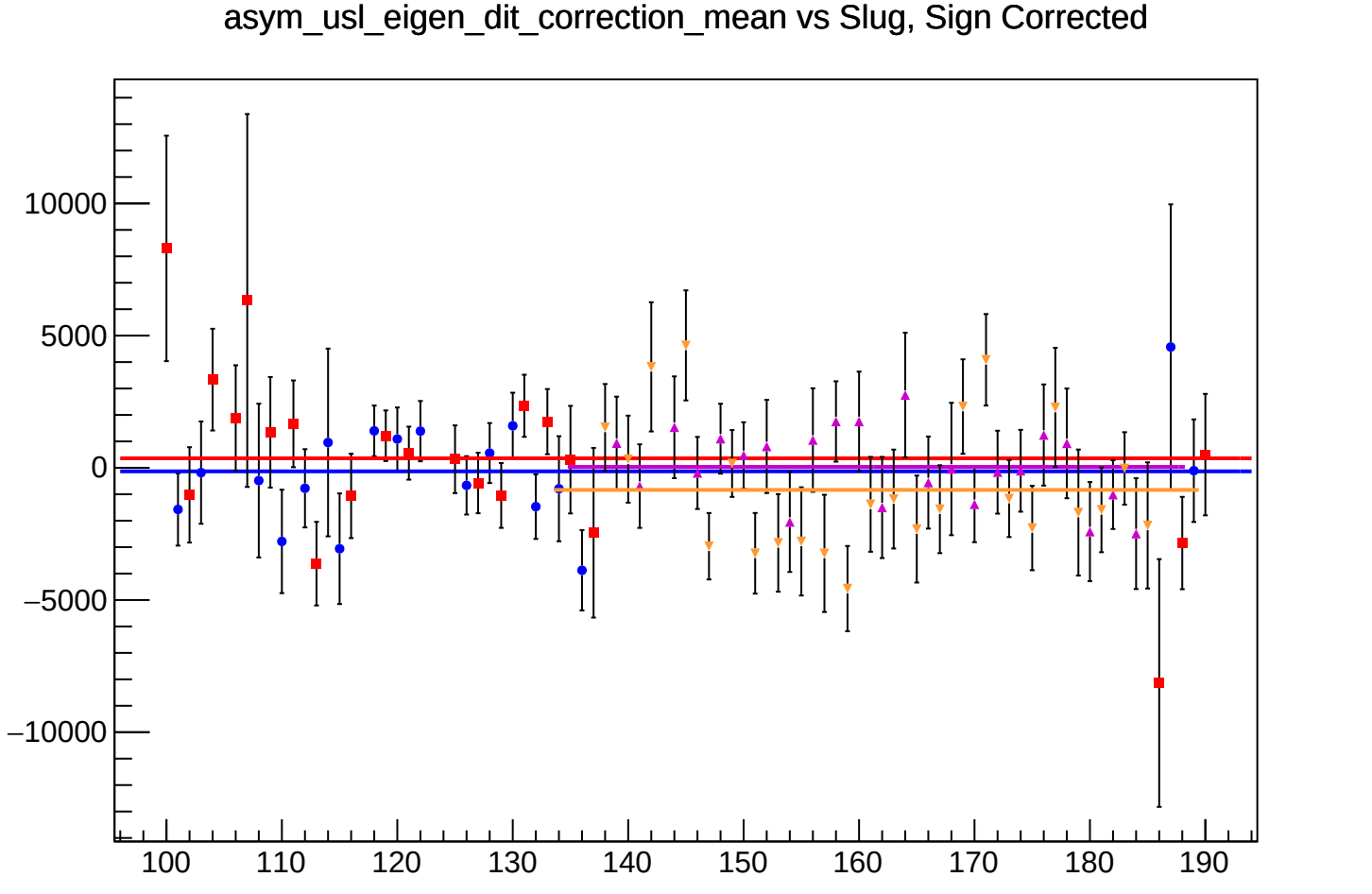
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1111.314+/-0.190 χ^2/NDF: 26182.3/38

In: 1106.586+/-0.153 χ^2/NDF:16479.0/40

Out: 1110.904+/-0.149 χ^2/NDF:17540.7/44

All: 1108.790+/-0.107 χ^2/NDF: 34428.5/85



Right In: -133.243+/-344.985 χ^2/NDF: 21.2/17

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 358.908+/-338.891 χ^2/NDF: 30.1/20

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

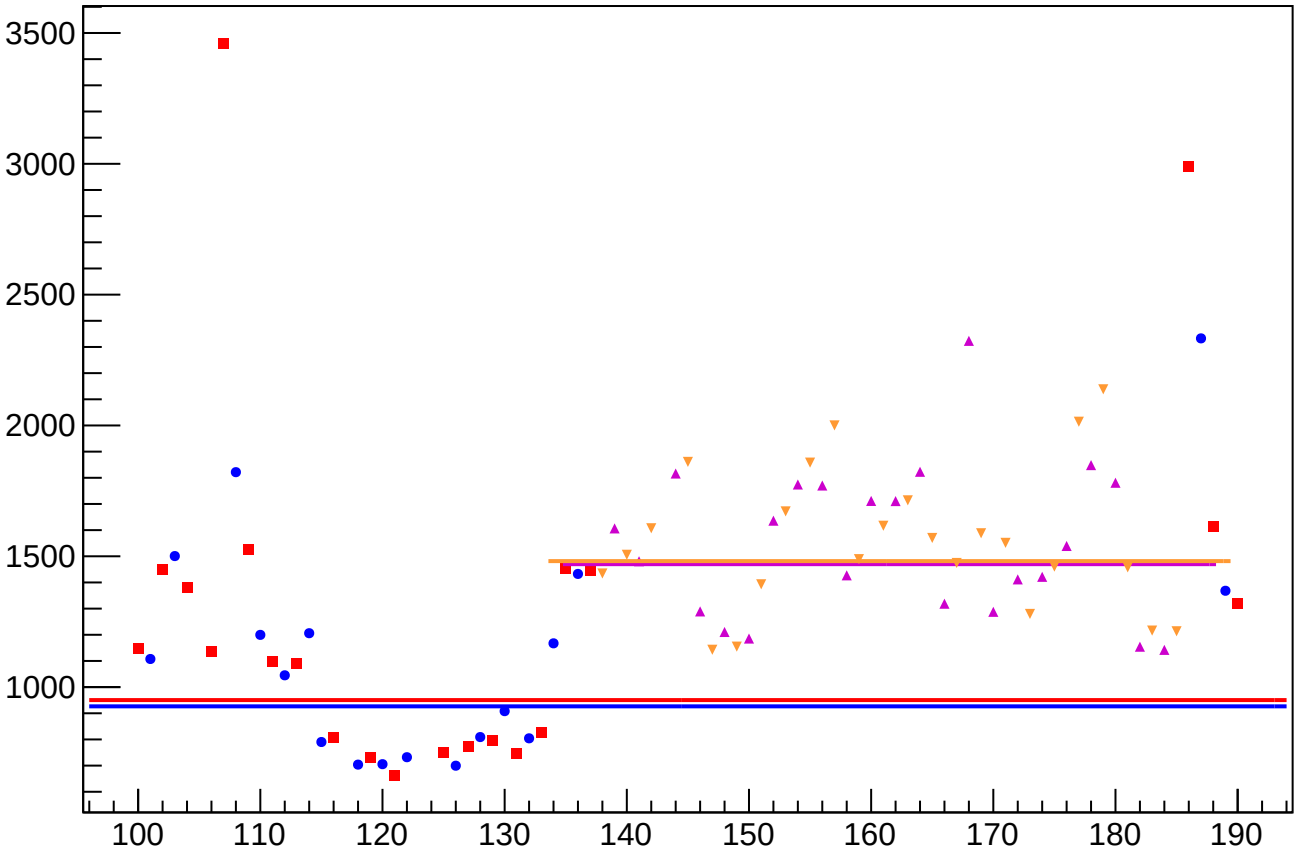
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 117.218+/-241.758 χ^2/NDF: 52.4/38

In: -49.993+/-245.569 χ^2/NDF:34.5/40

Out: -217.890+/-243.671 χ^2/NDF:79.7/44

All: -134.593+/-172.969 χ^2/NDF: 114.4/85



Right In: 926.489+/-0.244 χ^2/NDF: 1325869.2/17

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 950.417+/-0.240 χ^2/NDF: 2093739.8/20

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

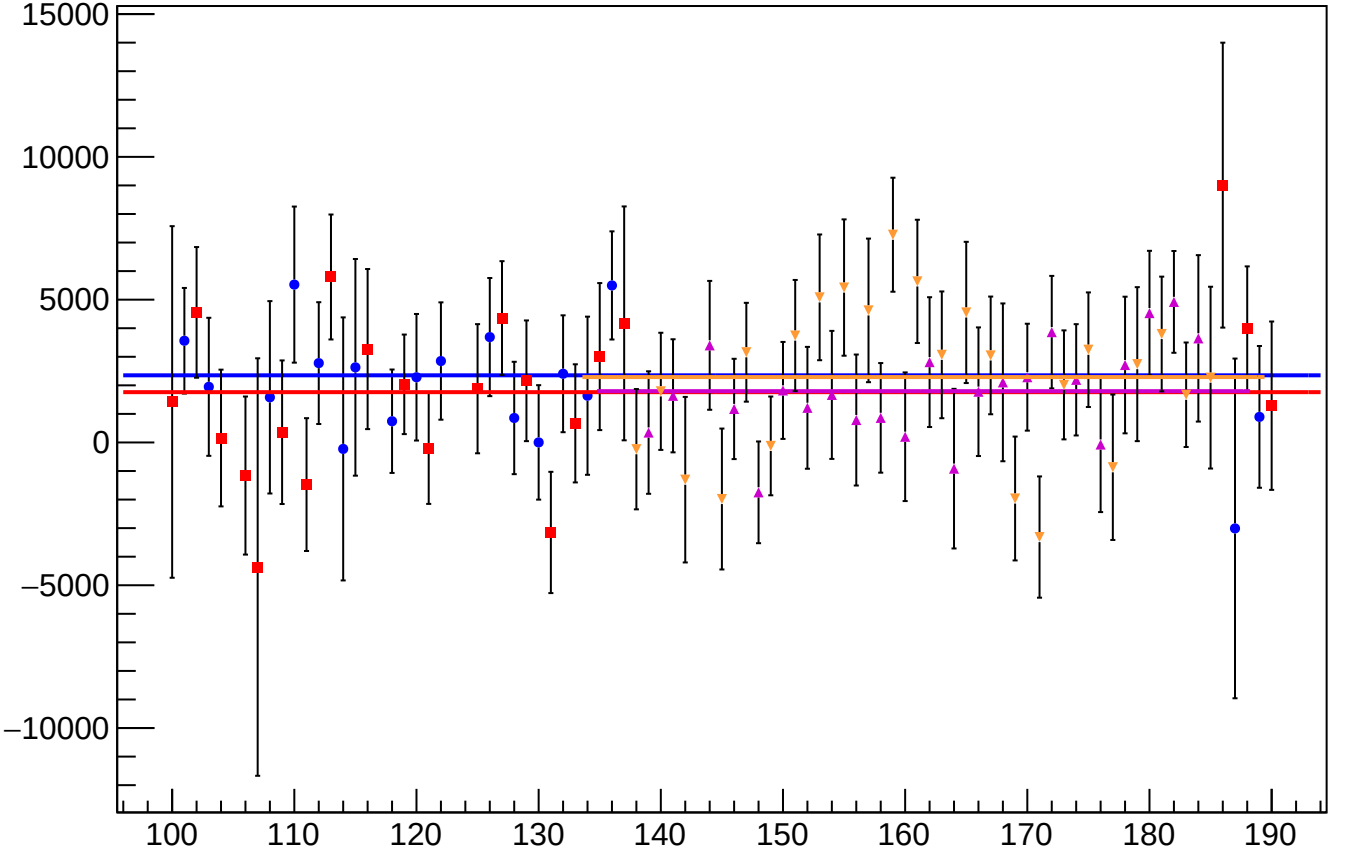
Right: 938.667+/-0.171 χ^2/NDF: 3424505.6/38

In: 1194.560+/-0.174 χ^2/NDF:4868938.5/40

Out: 1206.952+/-0.172 χ^2/NDF:5483971.5/44

All: 1200.804+/-0.122 χ^2/NDF: 10355476.2/8

asym_usl_mean vs Slug, Sign Corrected



Right In: 2351.222+/-546.542 χ^2/NDF: 9.4/17

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1761.294+/-533.427 χ^2/NDF: 21.8/20

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

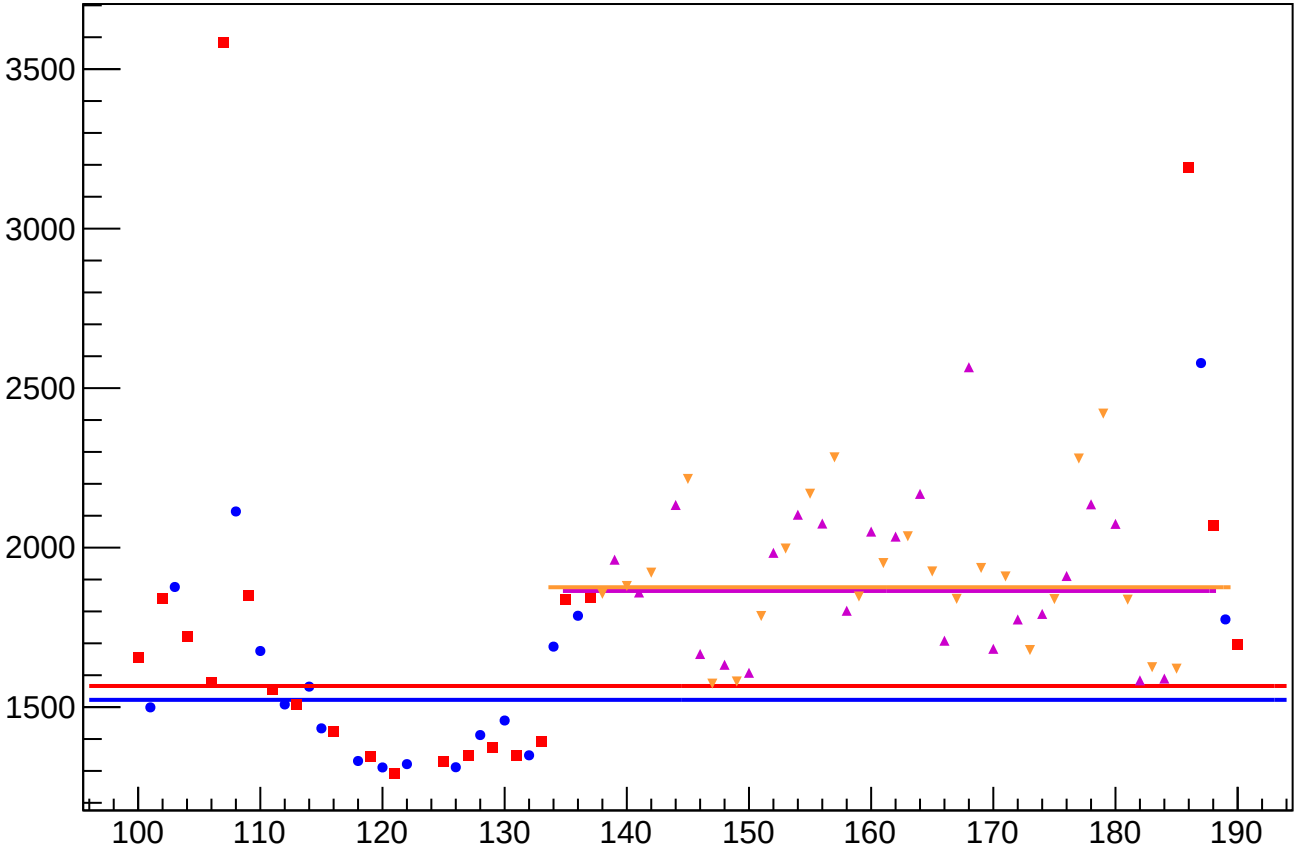
Right: 2049.095+/-381.742 χ^2/NDF: 31.9/38

In: 2014.011+/-342.329 χ^2/NDF:24.3/40

Out: 2076.138+/-339.120 χ^2/NDF:58.5/44

All: 2045.367+/-240.920 χ^2/NDF: 82.8/85

asym_usl_rms vs Slug, Sign Corrected



Right In: 1522.793+/-0.386 χ^2/NDF: 345625.6/17

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1566.270+/-0.377 χ^2/NDF: 746136.8/20

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

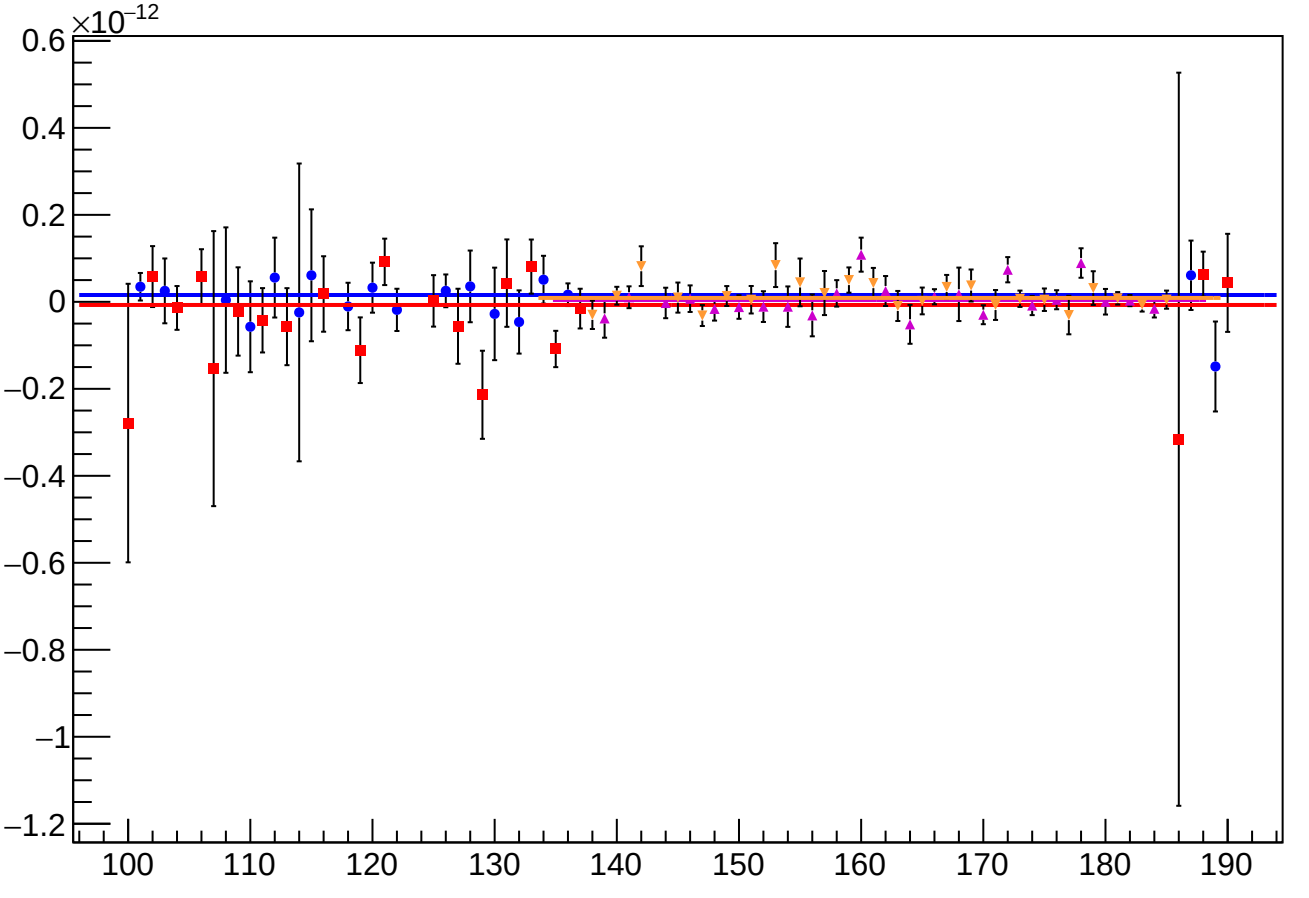
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1545.060+/-0.270 χ^2/NDF: 1098244.1/38

In: 1730.236+/-0.242 χ^2/NDF:1330365.8/40

Out: 1750.711+/-0.240 χ^2/NDF:1619988.1/44

All: 1740.570+/-0.170 χ^2/NDF: 2953964.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 6.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/20

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

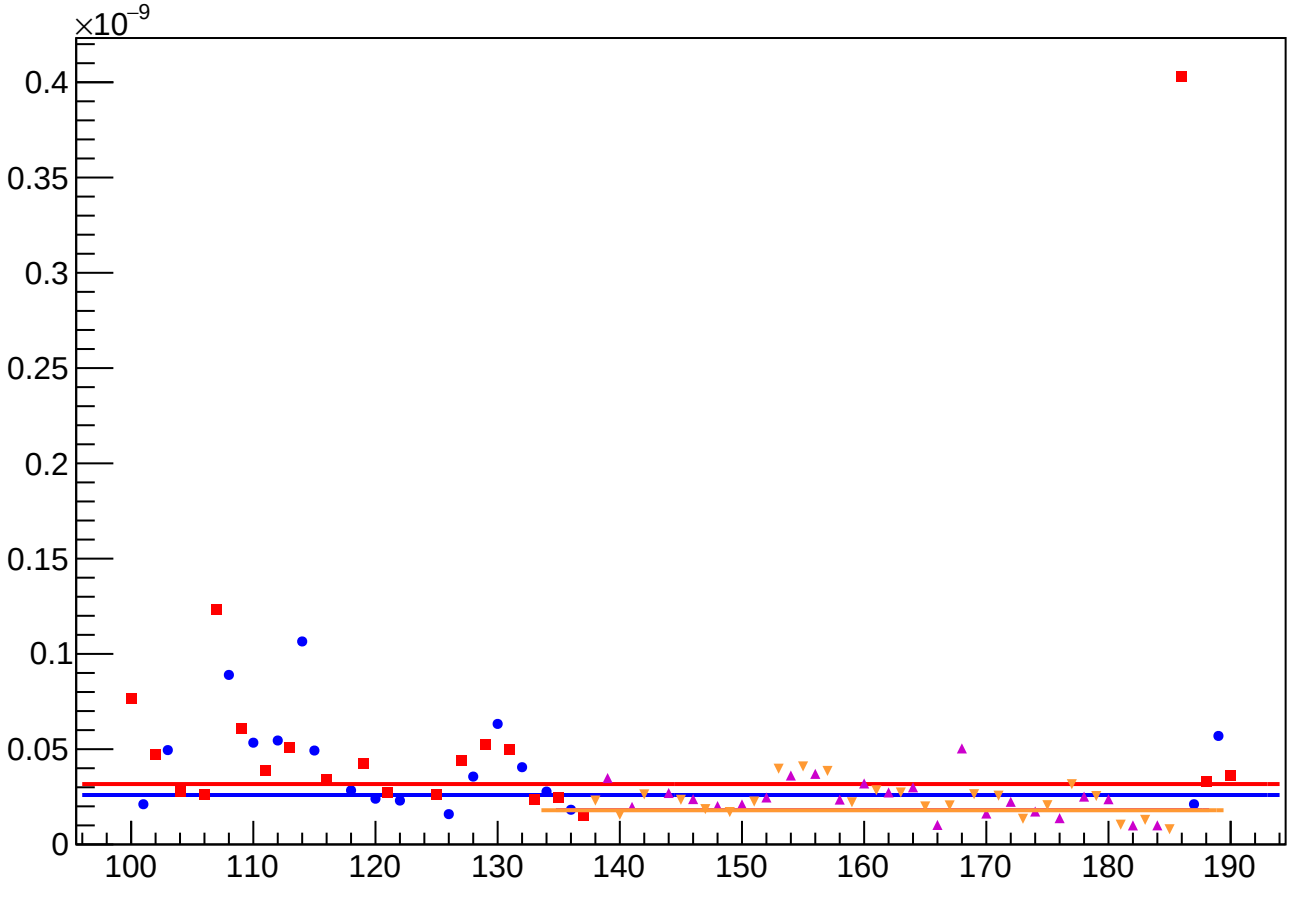
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 31.3/38

In: 0.000+/-0.000 χ^2/NDF:35.0/40

Out: 0.000+/-0.000 χ^2/NDF:41.3/44

All: 0.000+/-0.000 χ^2/NDF: 76.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 1896475.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1620717.7/20

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

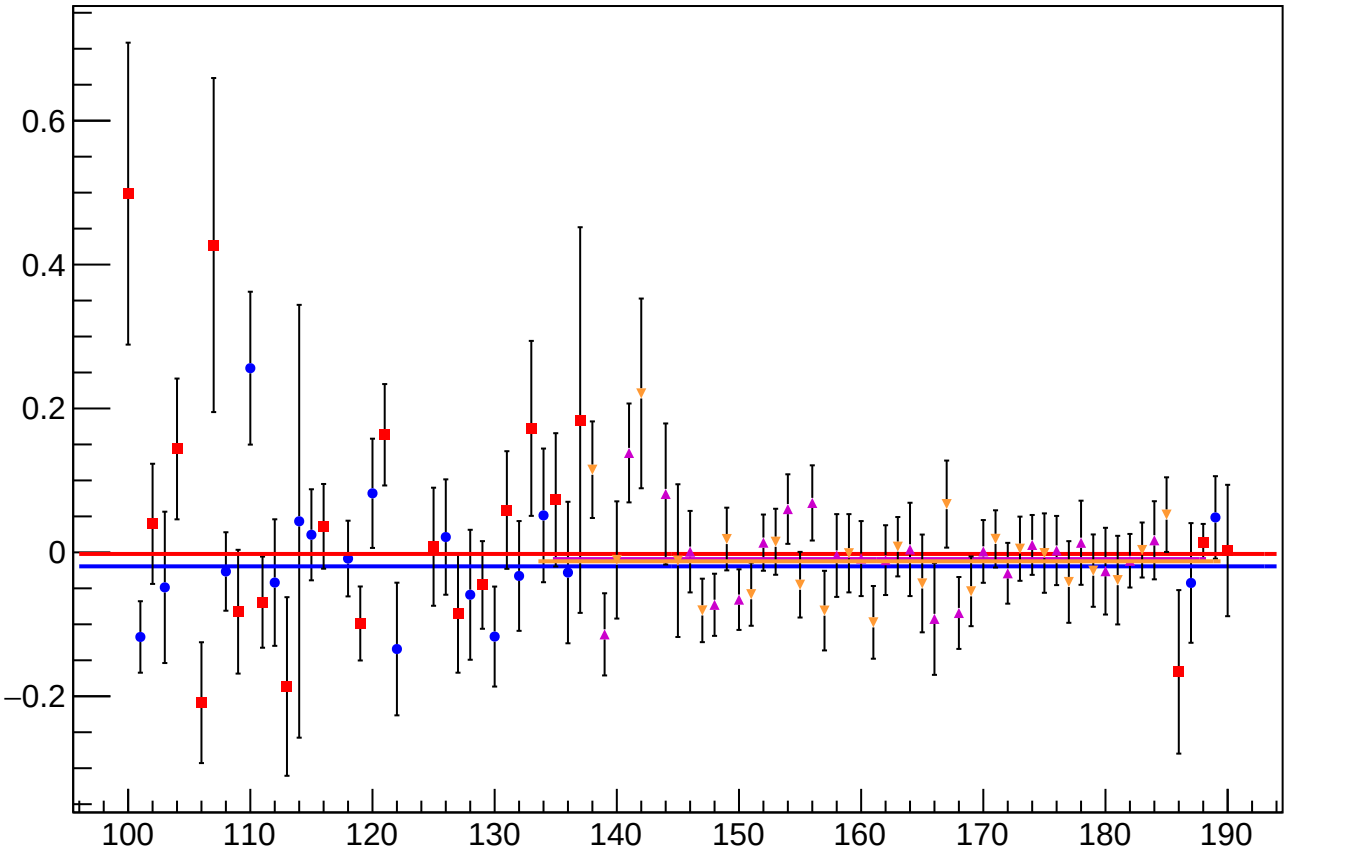
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3679561.4/38

In: 0.000+/-0.000 χ^2/NDF:6683834.5/40

Out: 0.000+/-0.000 χ^2/NDF:6555961.4/44

All: 0.000+/-0.000 χ^2/NDF: 13243165.1/85



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/20

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

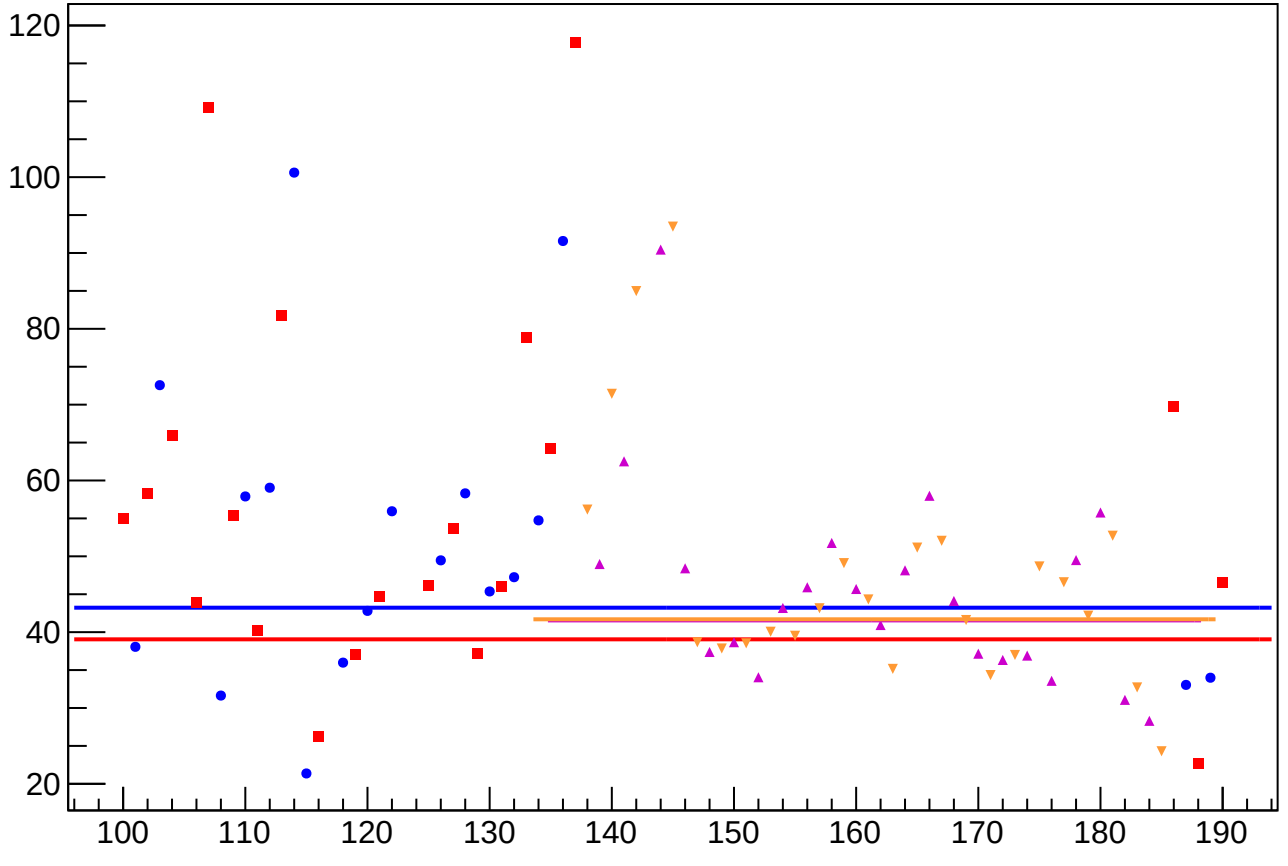
Right: -0.010+/-0.011 χ^2/NDF: 58.8/38

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/44

All: -0.010+/-0.006 χ^2/NDF: 102.7/85

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.225+/-0.012 χ^2/NDF: 1429323.3/17

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.053+/-0.011 χ^2/NDF: 2434915.6/20

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

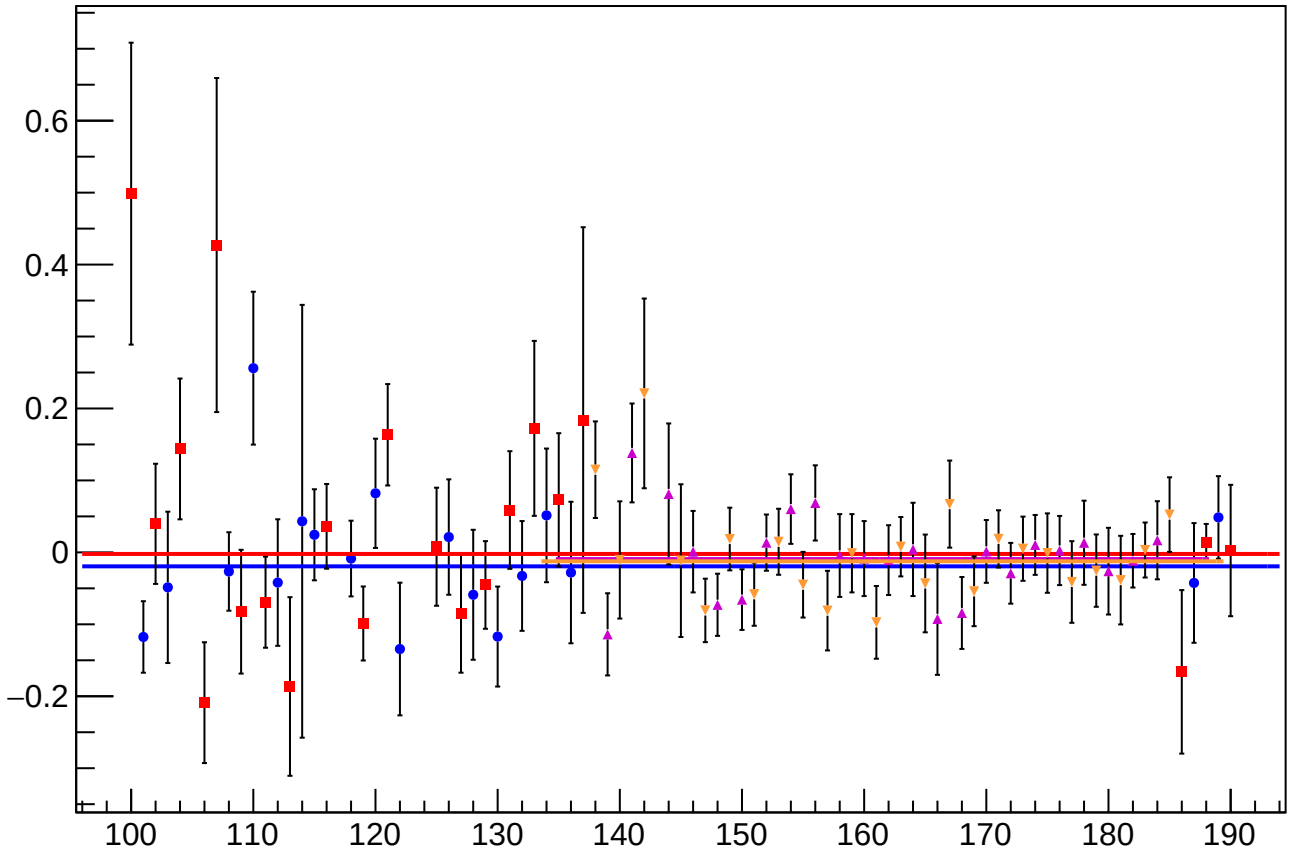
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 40.861+/-0.008 χ^2/NDF: 3929097.1/38

In: 41.995+/-0.006 χ^2/NDF:3055850.8/40

Out: 40.846+/-0.006 χ^2/NDF:4297430.3/44

All: 41.398+/-0.004 χ^2/NDF: 7370269.9/85



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/20

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

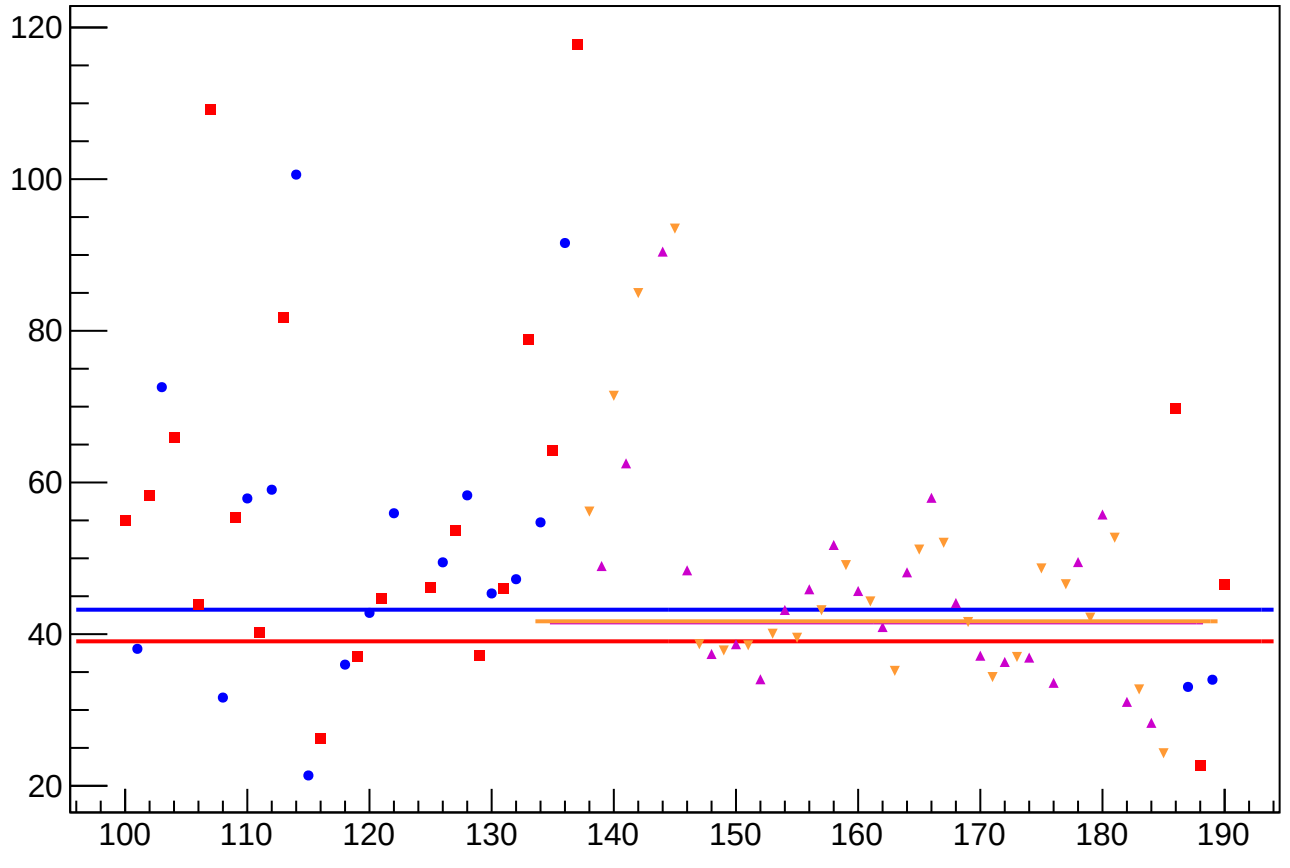
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.010+/-0.011 χ^2/NDF: 58.8/38

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/44

All: -0.010+/-0.006 χ^2/NDF: 102.7/85



Right In: 43.225+/-0.012 χ^2/NDF: 1429323.3/17

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.053+/-0.011 χ^2/NDF: 2434915.6/20

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

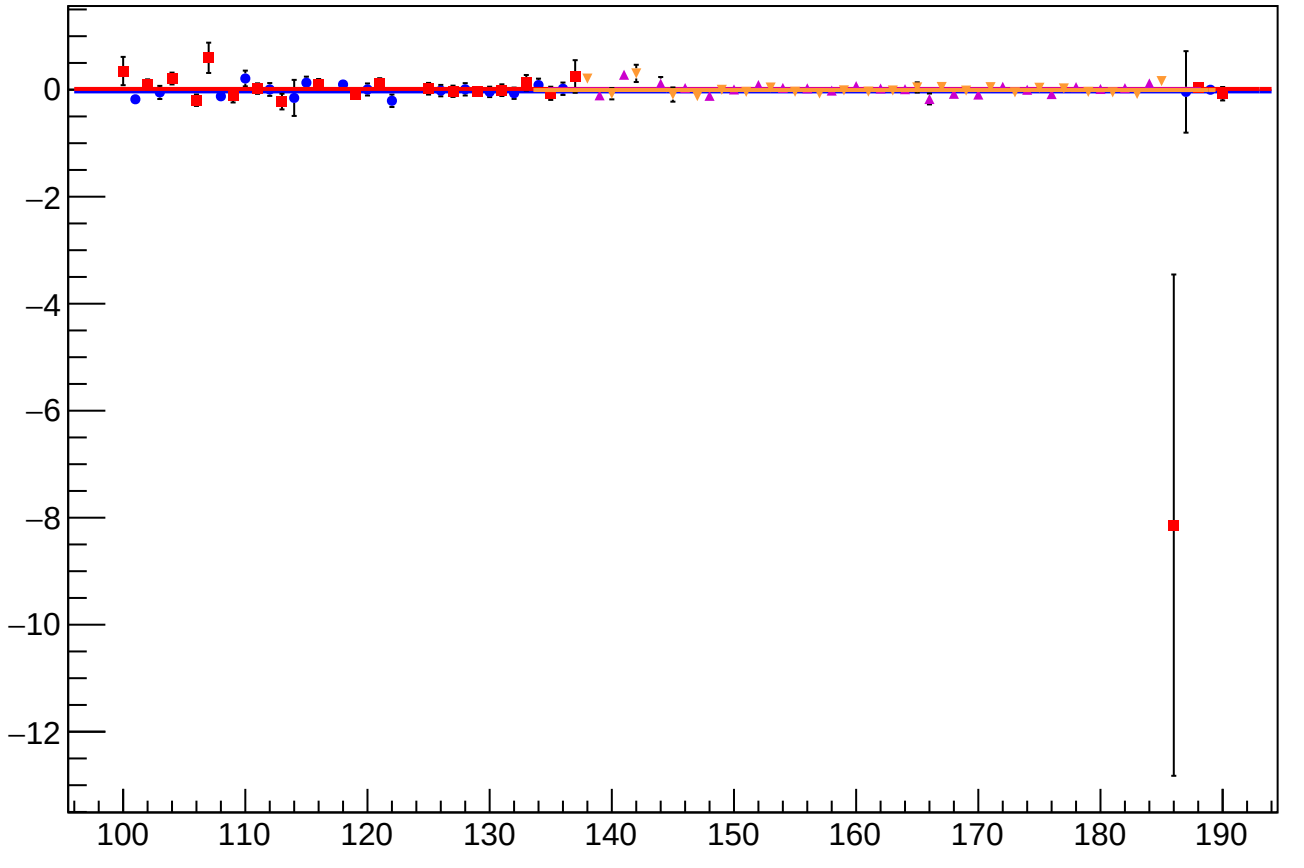
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 40.861+/-0.008 χ^2/NDF: 3929097.1/38

In: 41.995+/-0.006 χ^2/NDF:3055850.8/40

Out: 40.846+/-0.006 χ^2/NDF:4297430.3/44

All: 41.398+/-0.004 χ^2/NDF: 7370269.9/85



Right In: -0.032+/-0.025 χ^2/NDF: 17.6/17

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.014+/-0.023 χ^2/NDF: 26.6/20

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

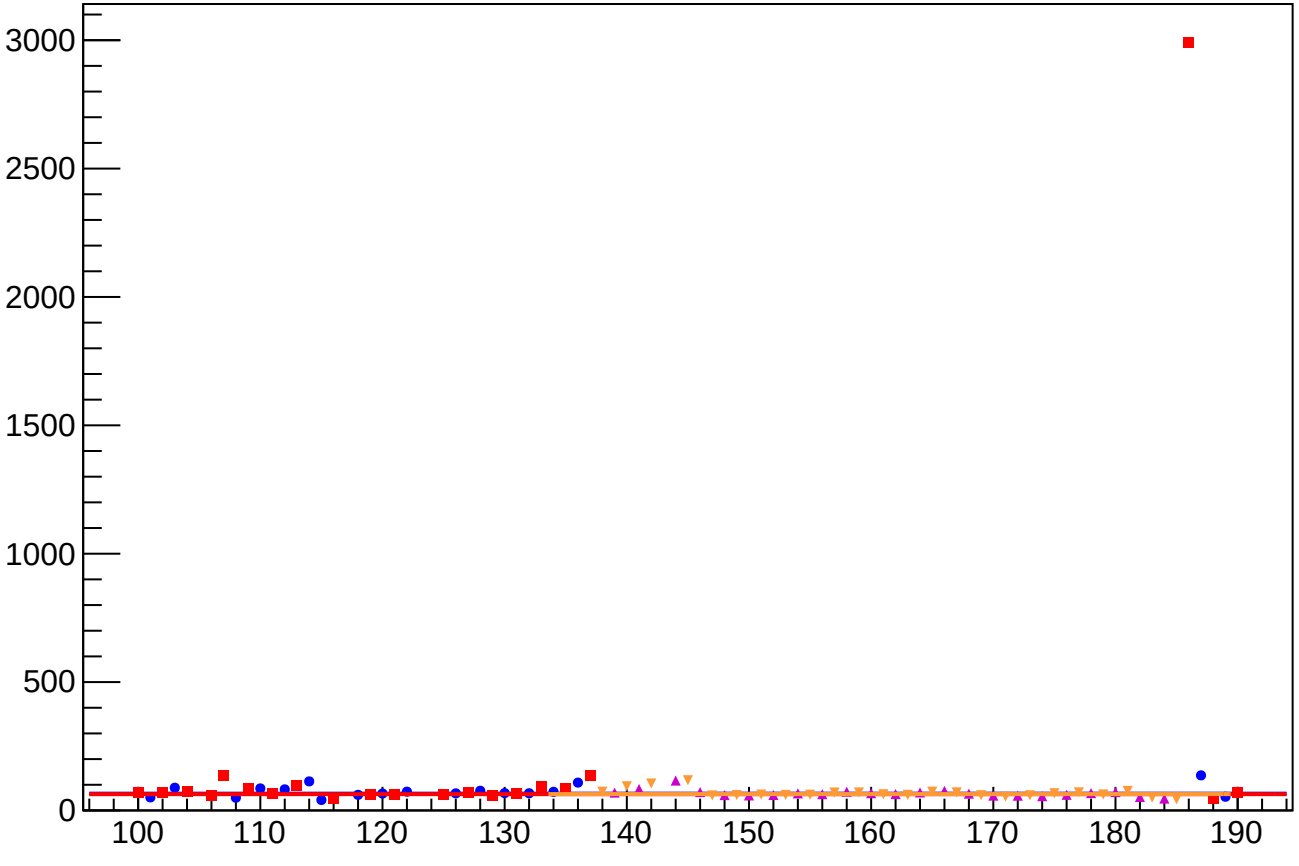
Right: -0.007+/-0.017 χ^2/NDF: 46.0/38

In: -0.003+/-0.013 χ^2/NDF:47.5/40

Out: -0.000+/-0.013 χ^2/NDF:50.8/44

All: -0.002+/-0.009 χ^2/NDF: 98.4/85

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.377+/-0.018 χ^2/NDF: 829644.9/17

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.482+/-0.016 χ^2/NDF: 1737905.9/20

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

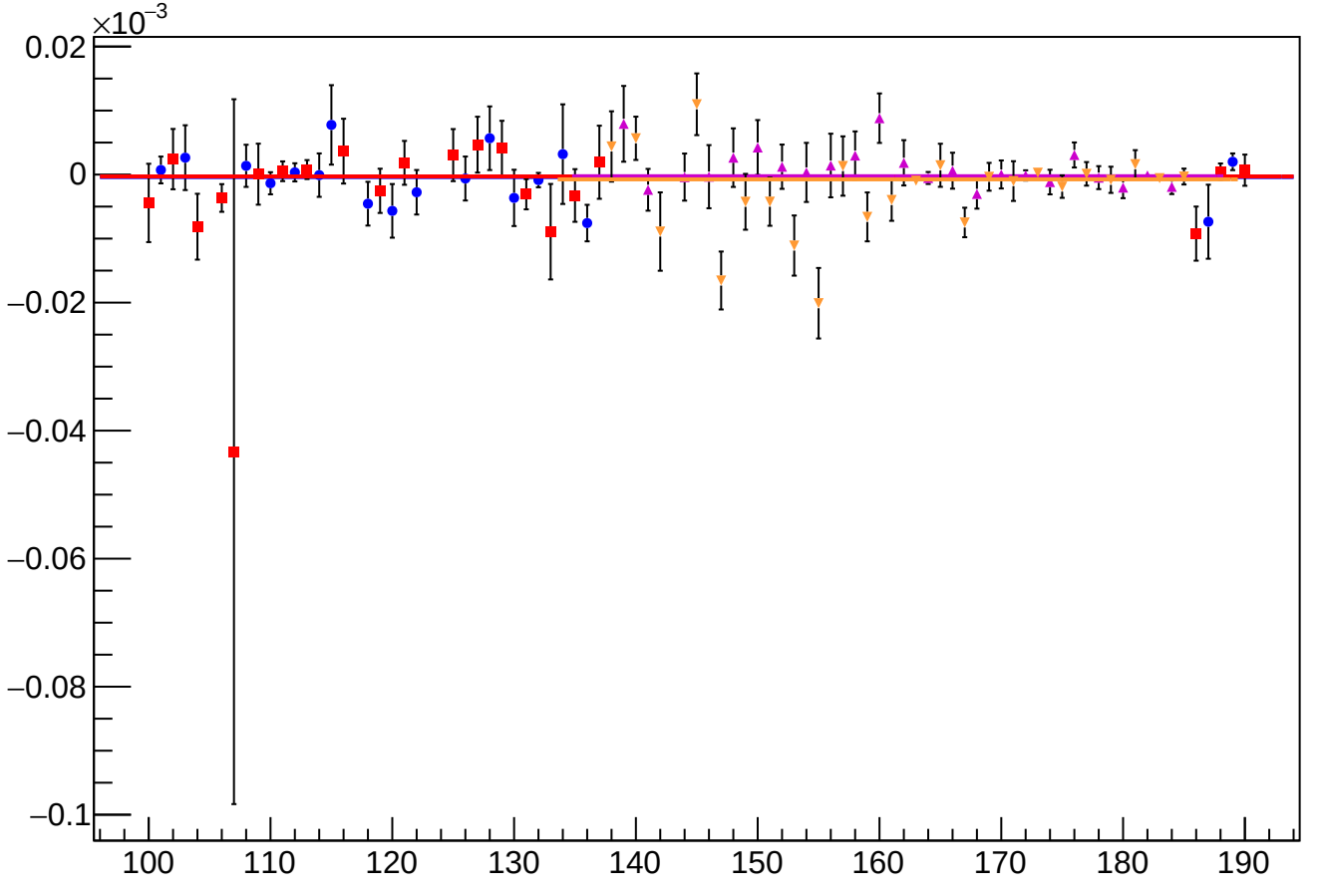
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 64.356+/-0.012 χ^2/NDF: 2573656.5/38

In: 64.404+/-0.009 χ^2/NDF:1672551.7/40

Out: 63.688+/-0.009 χ^2/NDF:2816954.6/44

All: 64.037+/-0.007 χ^2/NDF: 4492527.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

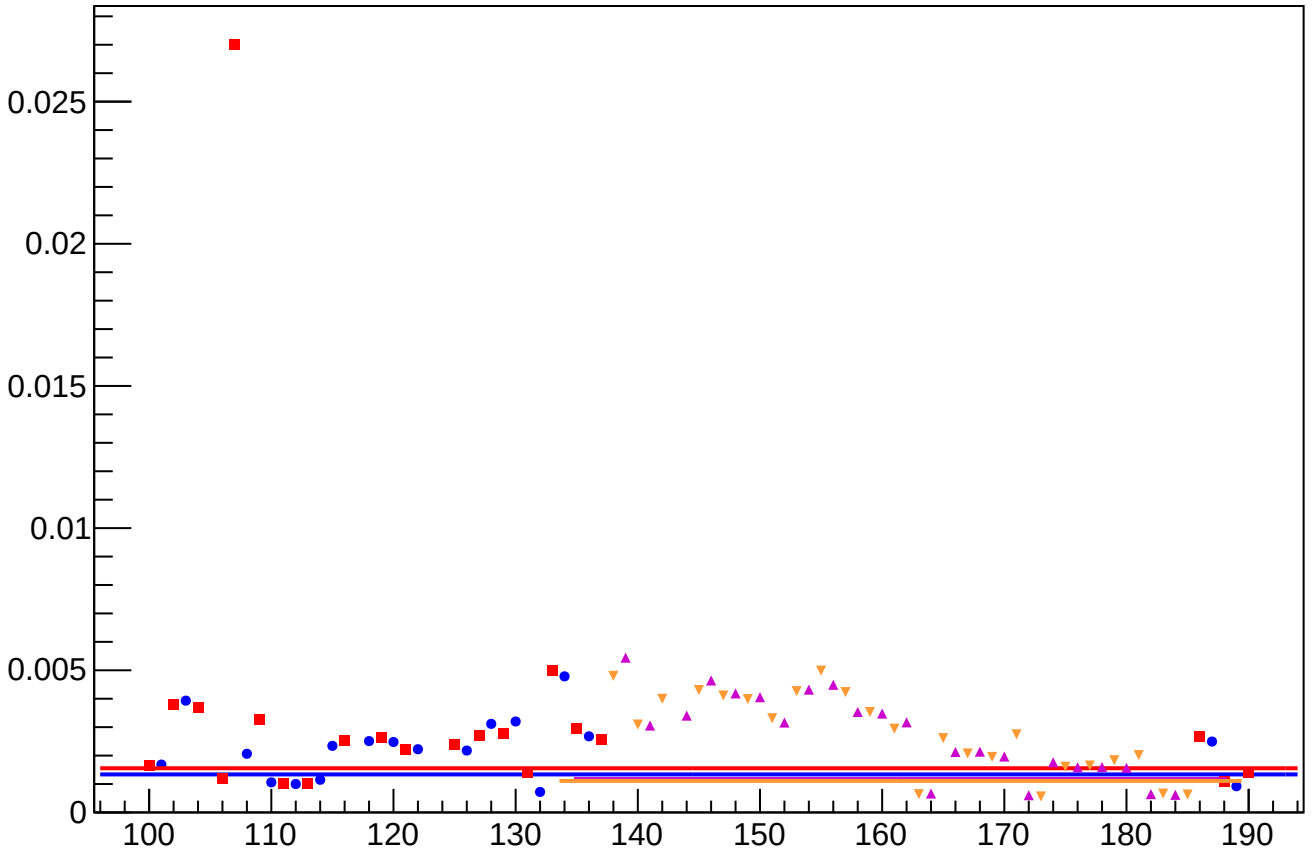
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 40.1/38

In: -0.000+/-0.000 χ^2/NDF:39.2/40

Out: -0.000+/-0.000 χ^2/NDF:80.2/44

All: -0.000+/-0.000 χ^2/NDF: 120.0/85



Right In: 0.001+/-0.000 χ^2/NDF: 3862425.3/17

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3903165.4/20

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

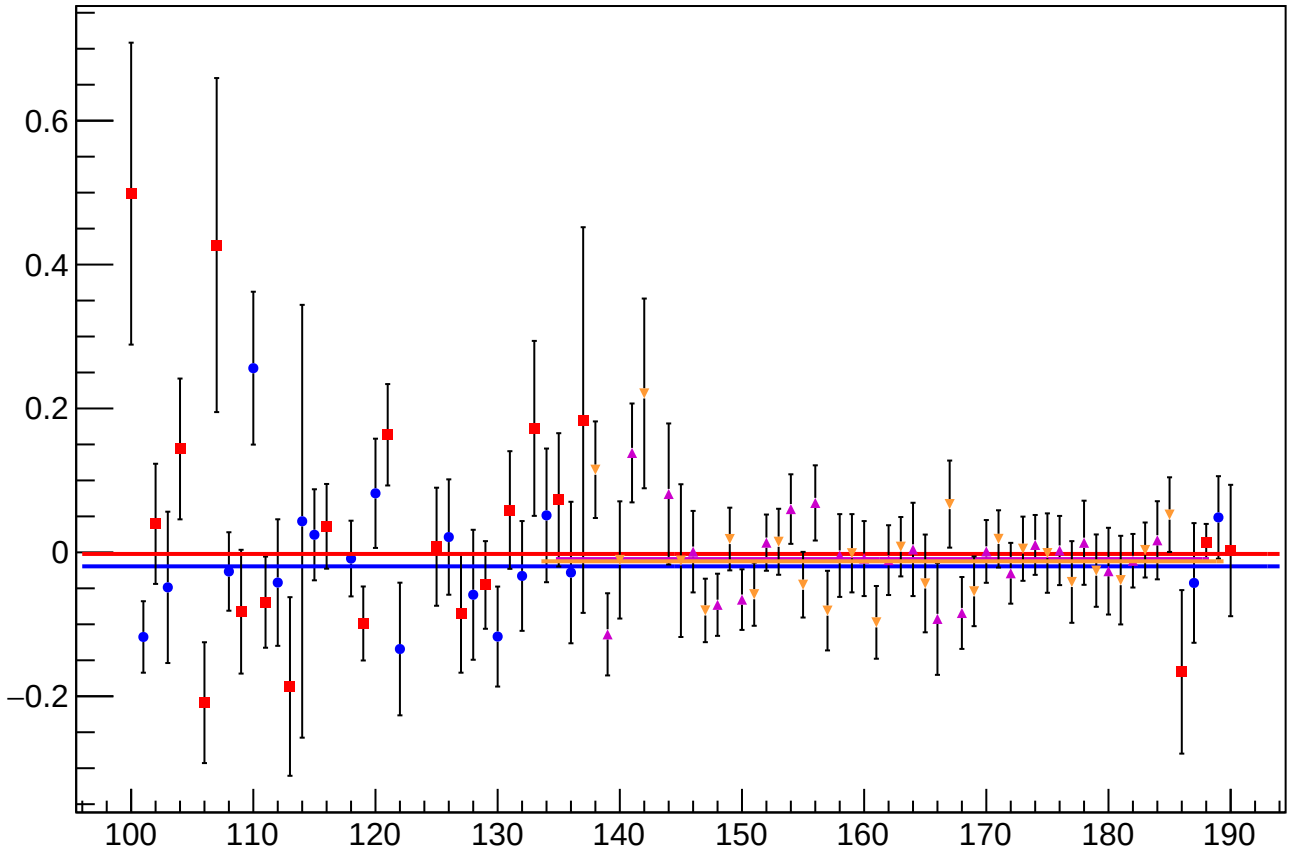
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 7905227.2/38

In: 0.001+/-0.000 χ^2/NDF:18239868.8/40

Out: 0.001+/-0.000 χ^2/NDF:19881638.3/44

All: 0.001+/-0.000 χ^2/NDF: 38121737.6/85



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/20

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

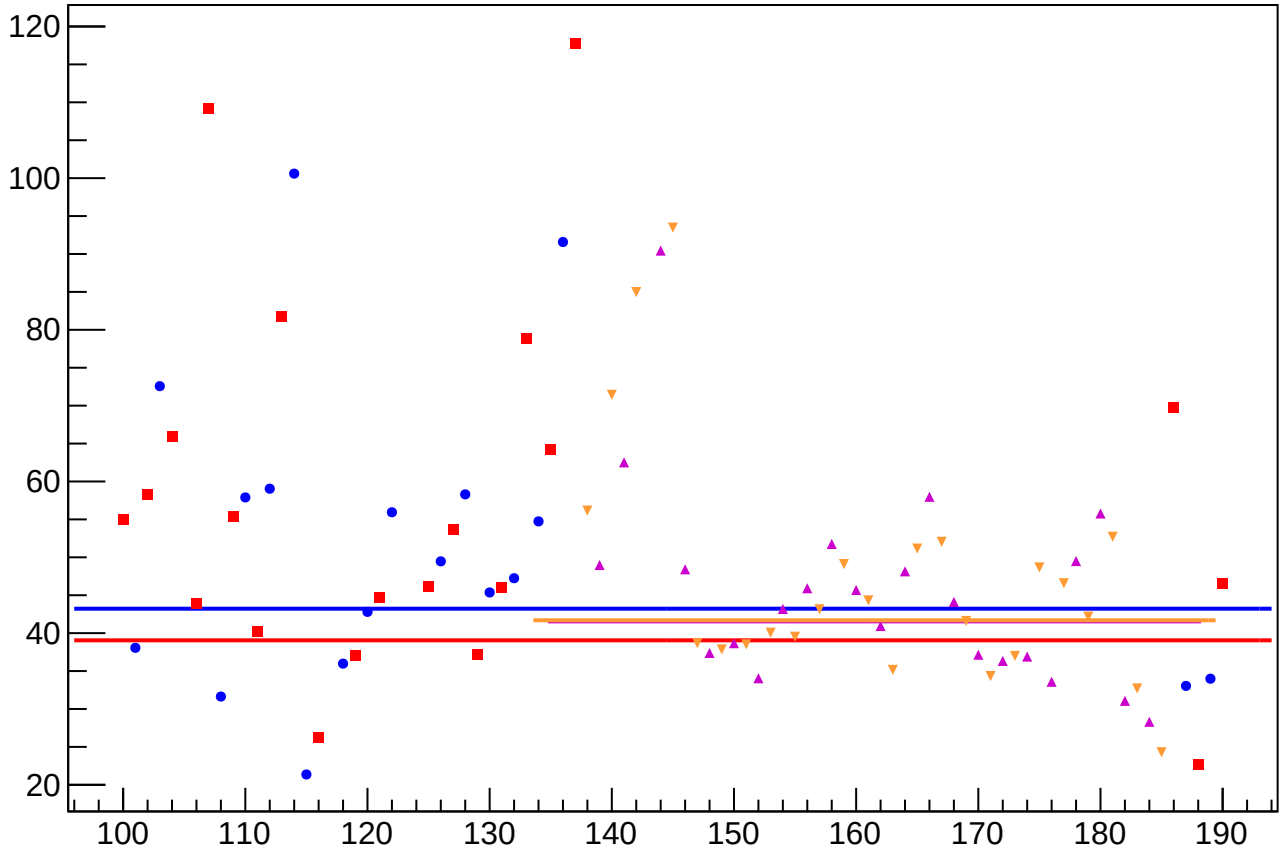
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.010+/-0.011 χ^2/NDF: 58.8/38

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/44

All: -0.010+/-0.006 χ^2/NDF: 102.7/85



Right In: 43.224+/-0.012 χ^2/NDF: 1429369.7/17

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.054+/-0.011 χ^2/NDF: 2434738.4/20

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

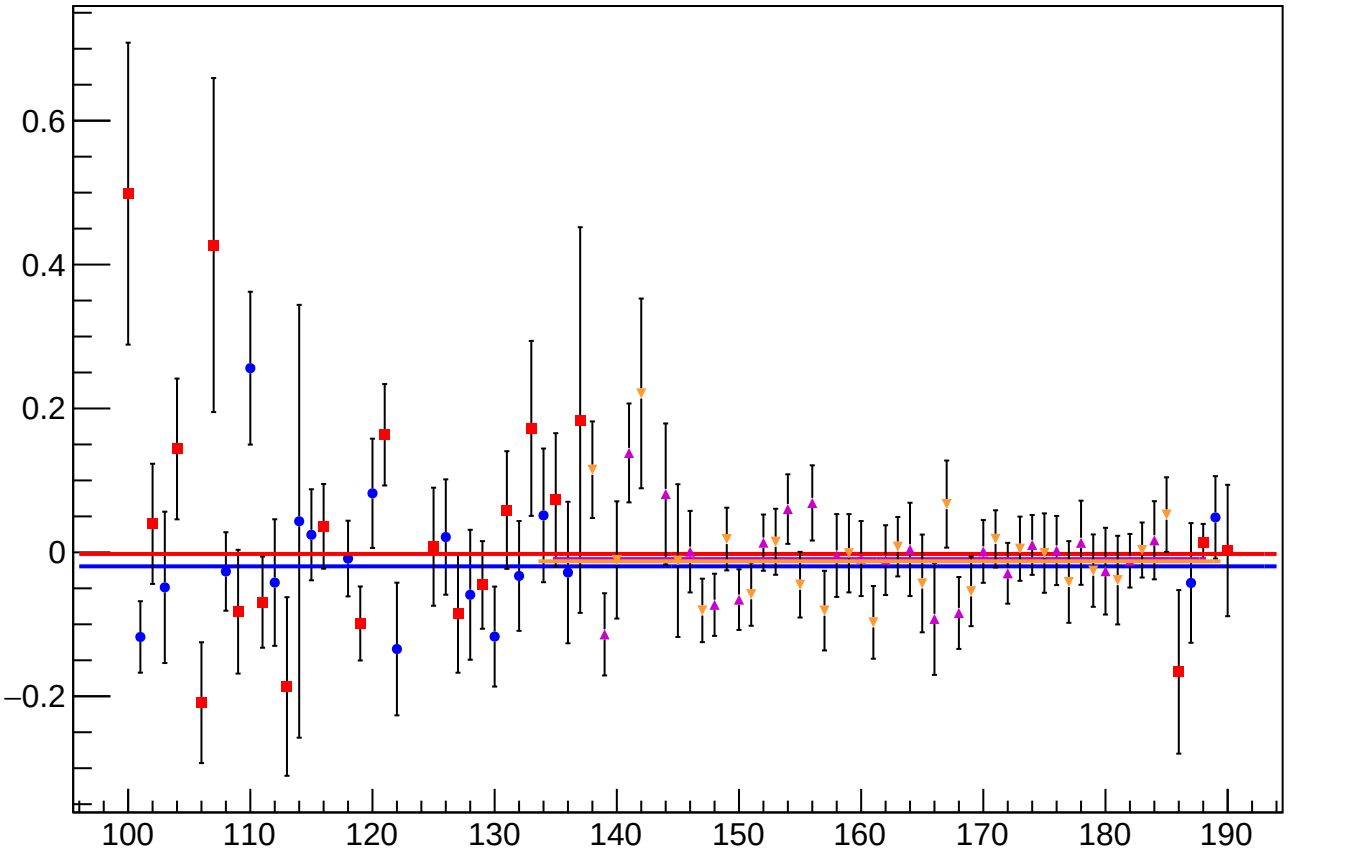
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 40.861+/-0.008 χ^2/NDF: 3928934.0/38

In: 41.995+/-0.006 χ^2/NDF:3055842.0/40

Out: 40.846+/-0.006 χ^2/NDF:4297211.2/44

All: 41.398+/-0.004 χ^2/NDF: 7370037.0/85



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/20

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

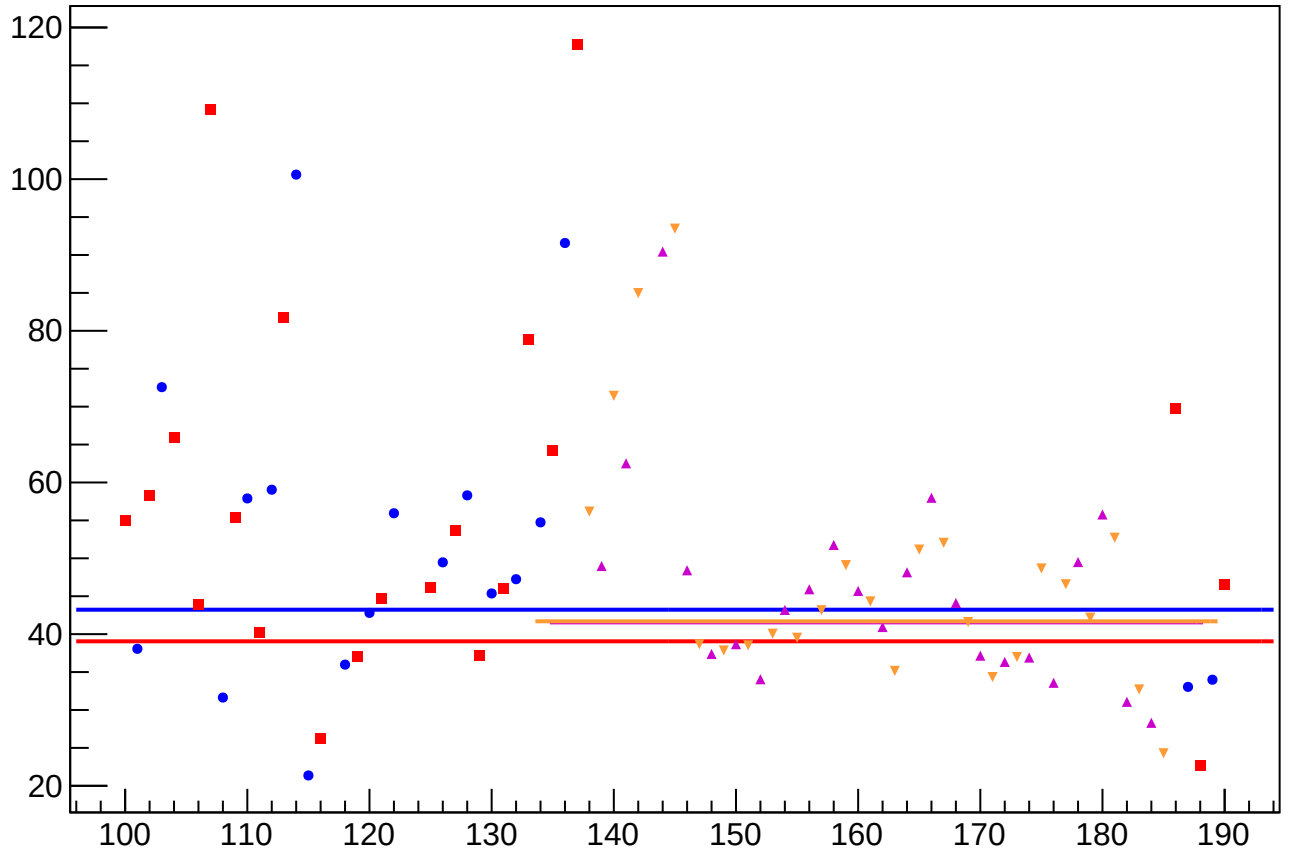
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.010+/-0.011 χ^2/NDF: 58.8/38

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/44

All: -0.010+/-0.006 χ^2/NDF: 102.7/85



Right In: 43.224+/-0.012 χ^2/NDF: 1429369.7/17

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.054+/-0.011 χ^2/NDF: 2434738.4/20

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

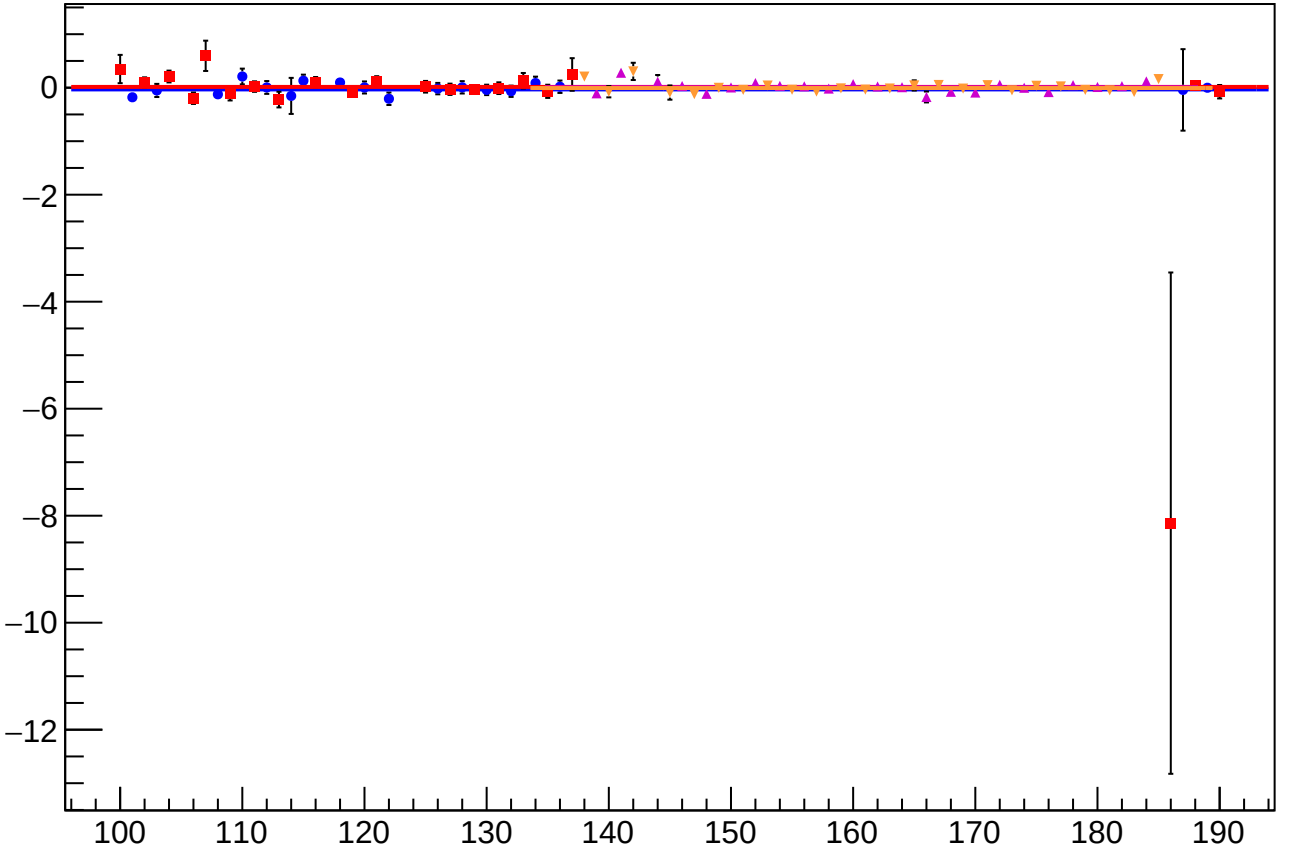
Right: 40.861+/-0.008 χ^2/NDF: 3928934.0/38

In: 41.995+/-0.006 χ^2/NDF:3055842.0/40

Out: 40.846+/-0.006 χ^2/NDF:4297211.2/44

All: 41.398+/-0.004 χ^2/NDF: 7370037.0/85

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.032+/-0.025 χ^2/NDF: 17.6/17

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.014+/-0.023 χ^2/NDF: 26.6/20

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

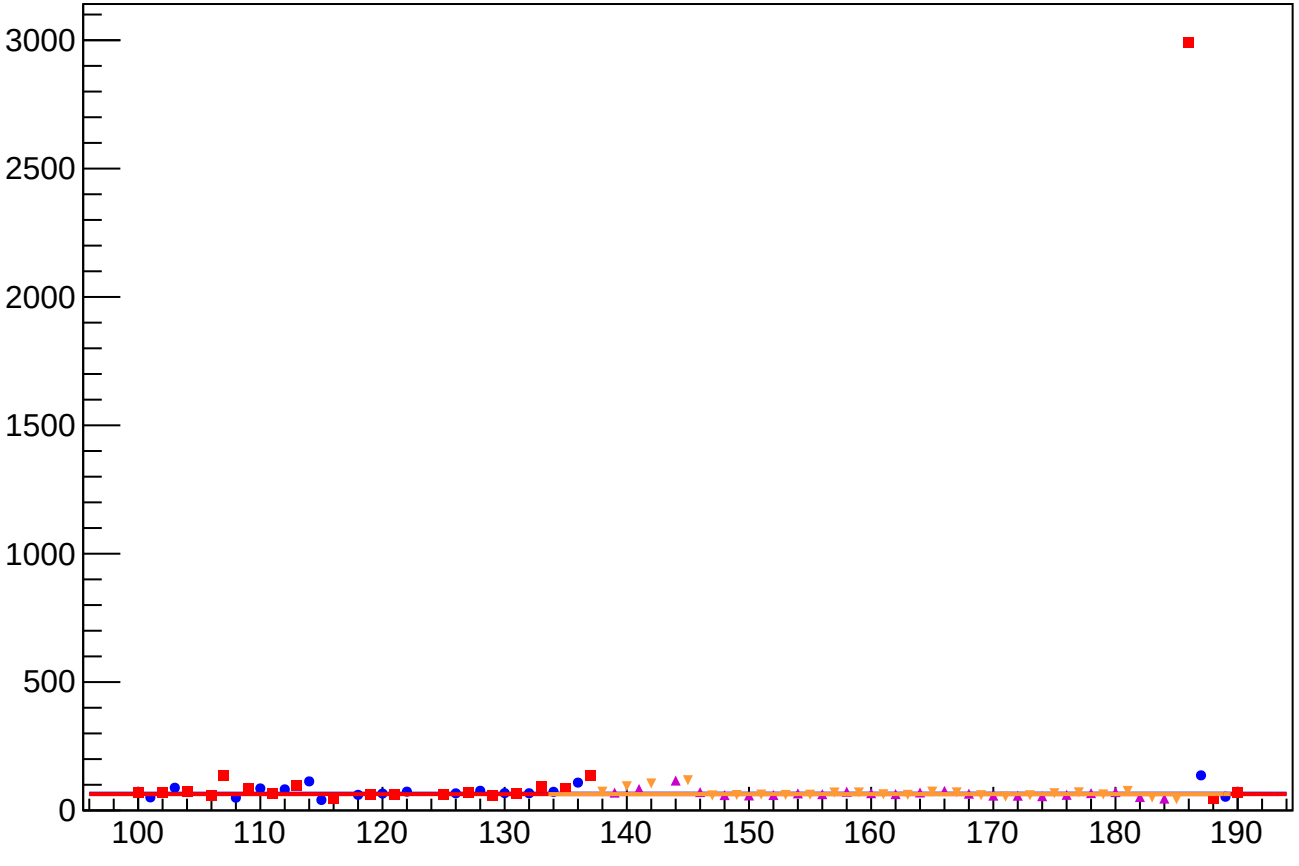
Right: -0.007+/-0.017 χ^2/NDF: 46.0/38

In: -0.003+/-0.013 χ^2/NDF:47.5/40

Out: -0.000+/-0.013 χ^2/NDF:50.8/44

All: -0.002+/-0.009 χ^2/NDF: 98.4/85

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.377+/-0.018 χ^2/NDF: 829647.2/17

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.482+/-0.016 χ^2/NDF: 1737871.8/20

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

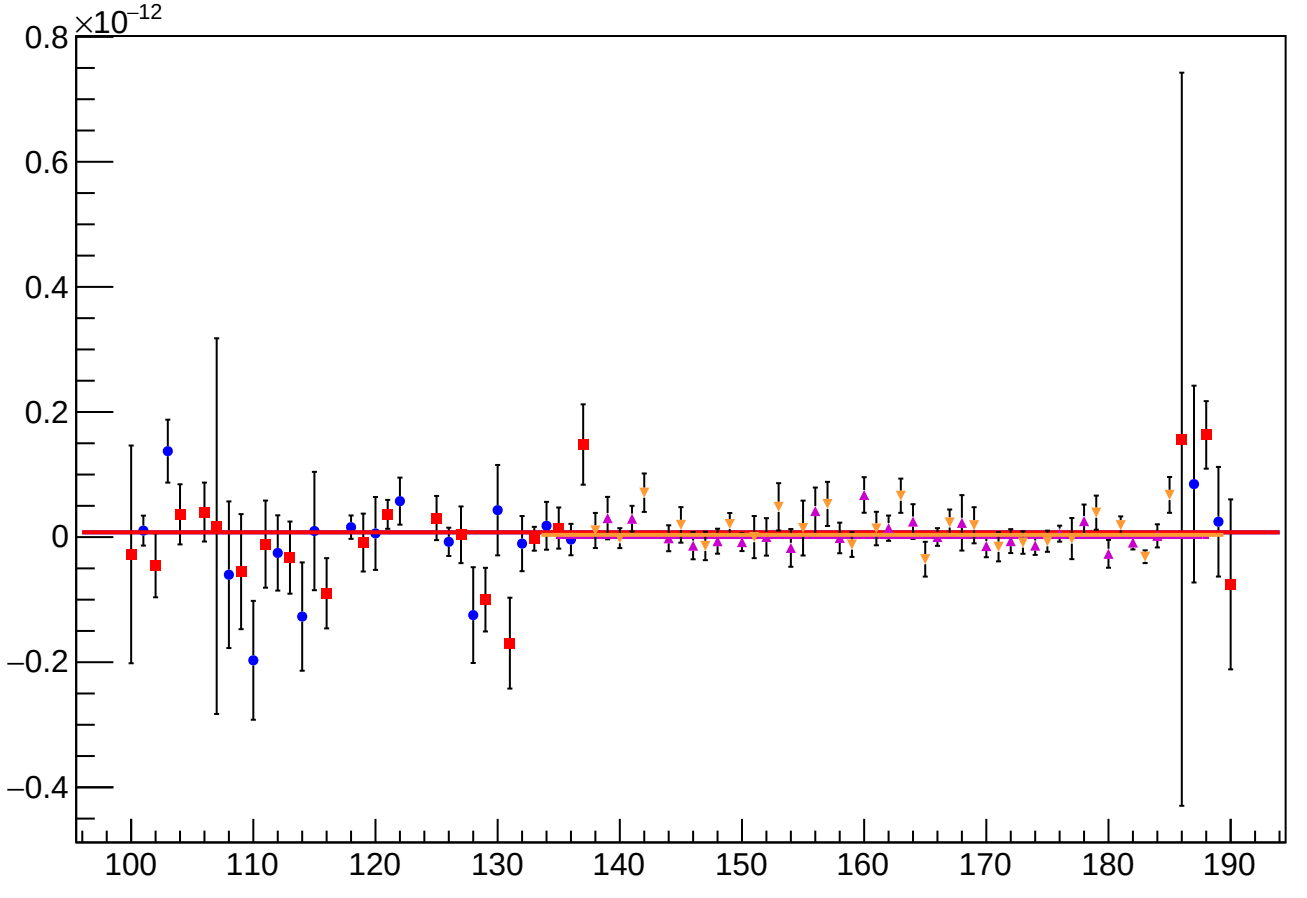
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 64.356+/-0.012 χ^2/NDF: 2573624.7/38

In: 64.404+/-0.009 χ^2/NDF:1672545.9/40

Out: 63.688+/-0.009 χ^2/NDF:2816908.6/44

All: 64.037+/-0.007 χ^2/NDF: 4492476.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/20

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

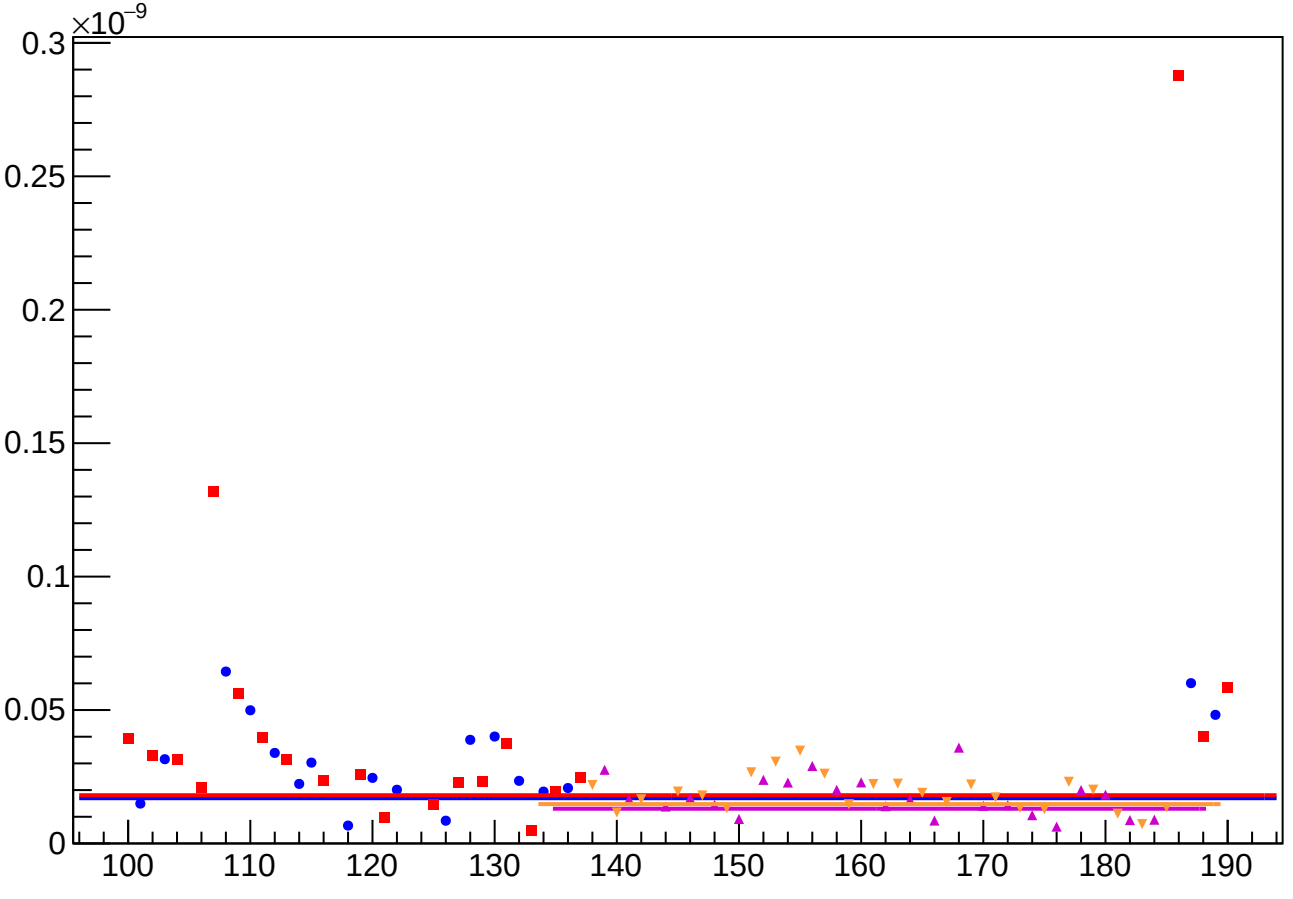
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 53.1/38

In: 0.000+/-0.000 χ^2/NDF:38.4/40

Out: 0.000+/-0.000 χ^2/NDF:73.1/44

All: 0.000+/-0.000 χ^2/NDF: 111.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 2756036.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3739797.7/20

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

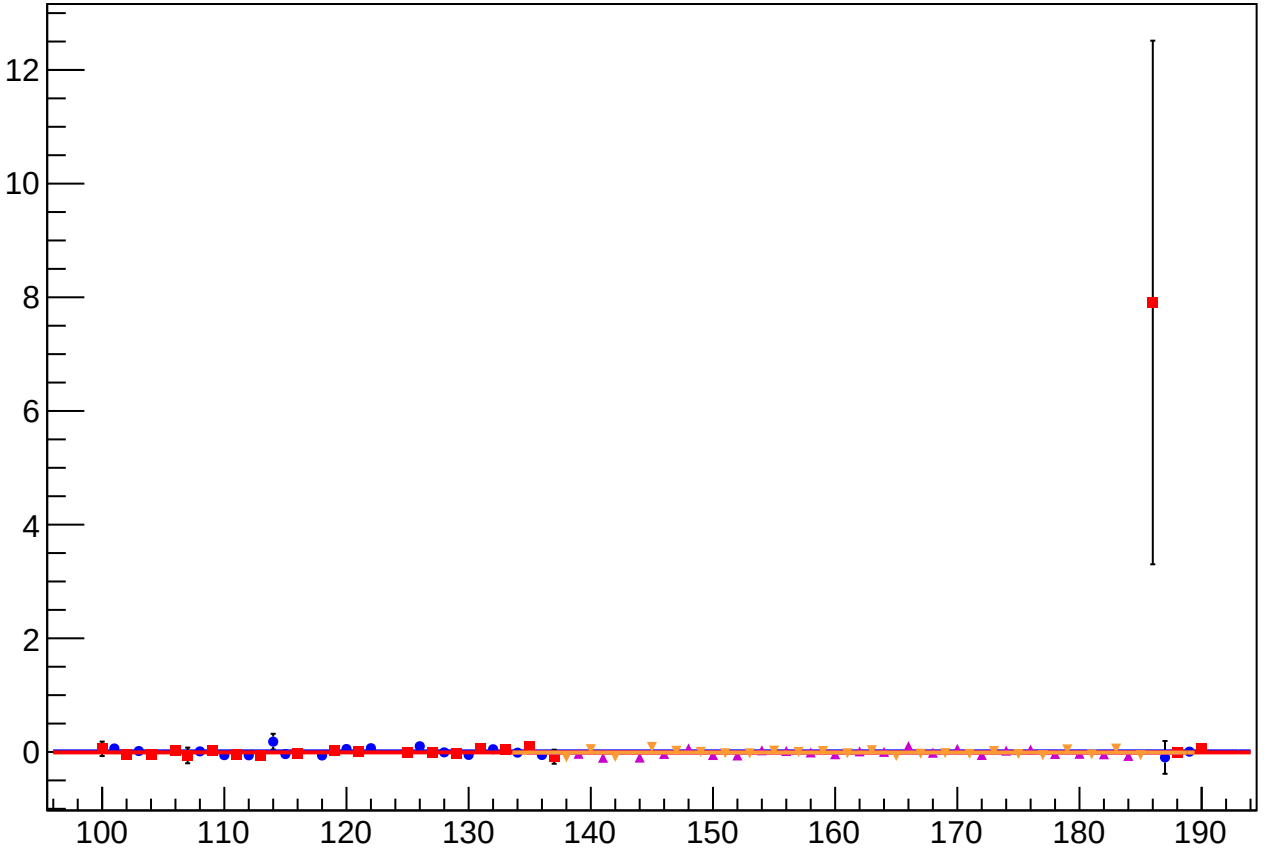
Right: 0.000+/-0.000 χ^2/NDF: 6510178.1/38

In: 0.000+/-0.000 χ^2/NDF:6992851.8/40

Out: 0.000+/-0.000 χ^2/NDF:7468816.1/44

All: 0.000+/-0.000 χ^2/NDF: 14648113.6/85

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.013 χ^2/NDF: 14.9/17

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.007+/-0.012 χ^2/NDF: 14.2/20

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

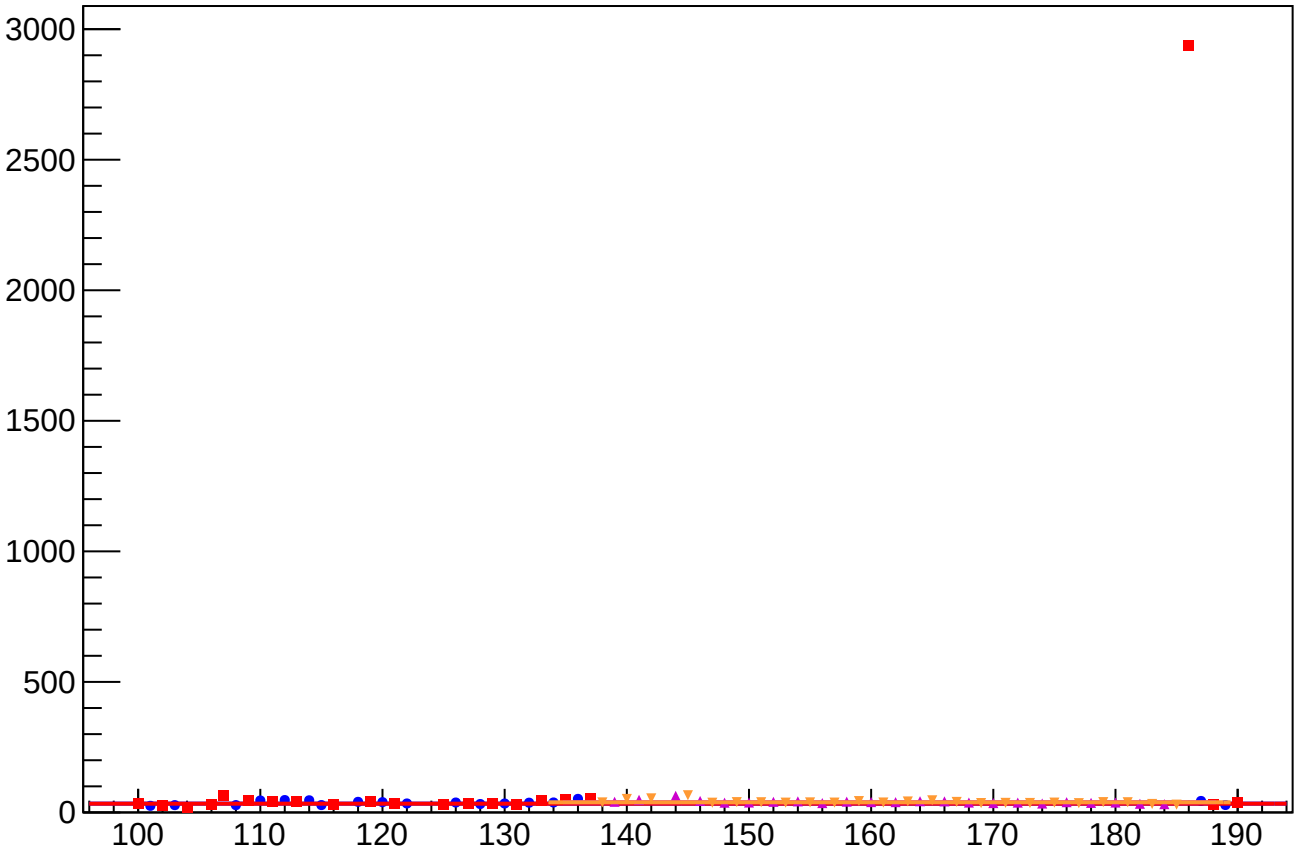
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.002+/-0.009 χ^2/NDF: 30.1/38

In: -0.003+/-0.008 χ^2/NDF:40.0/40

Out: -0.009+/-0.008 χ^2/NDF:33.7/44

All: -0.006+/-0.005 χ^2/NDF: 73.9/85



Right In: 33.813+/-0.009 χ^2/NDF: 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.580+/-0.009 χ^2/NDF: 1720399.3/20

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

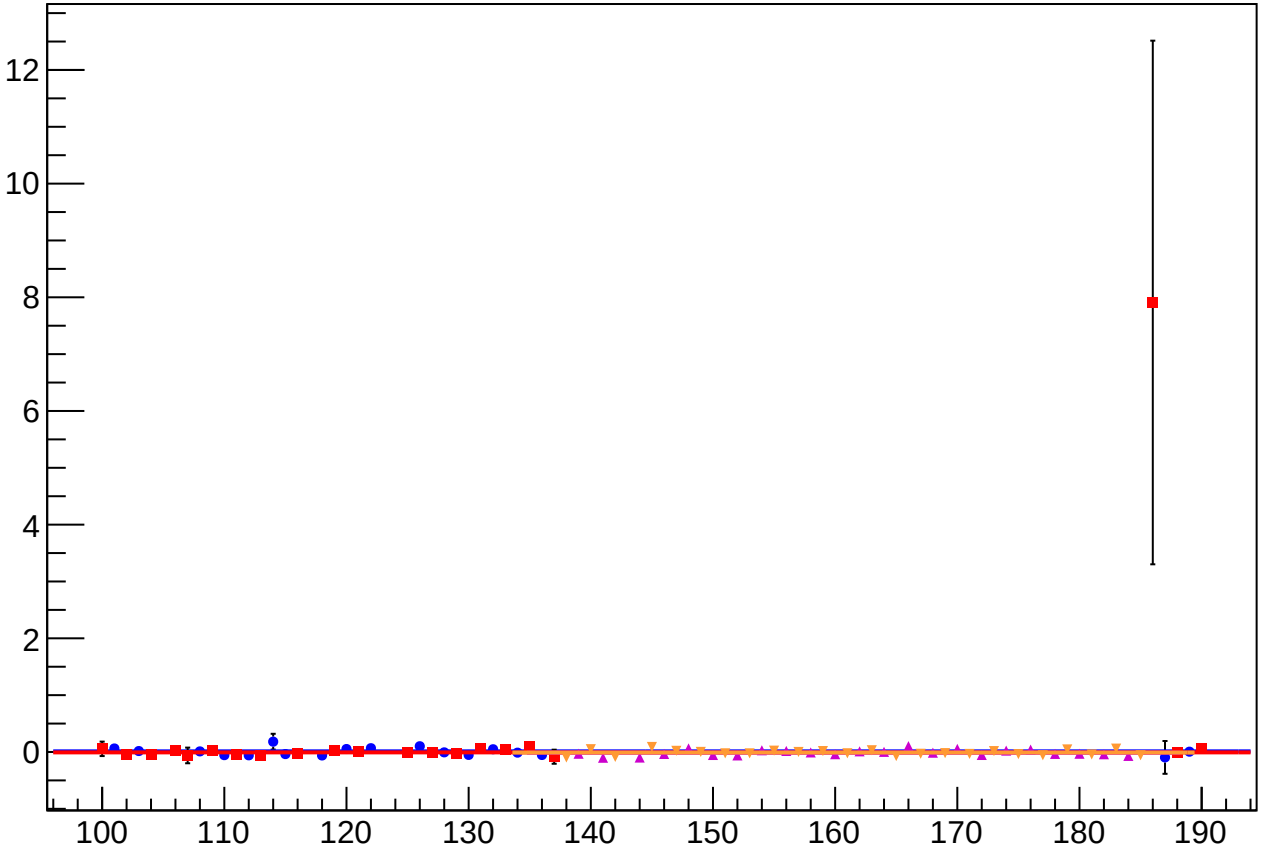
Right: 33.690+/-0.006 χ^2/NDF: 2387851.3/38

In: 37.303+/-0.005 χ^2/NDF:1409169.2/40

Out: 36.972+/-0.005 χ^2/NDF:2585754.8/44

All: 37.133+/-0.004 χ^2/NDF: 3996817.0/85

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.013 χ^2/NDF: 14.9/17

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.007+/-0.012 χ^2/NDF: 14.2/20

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

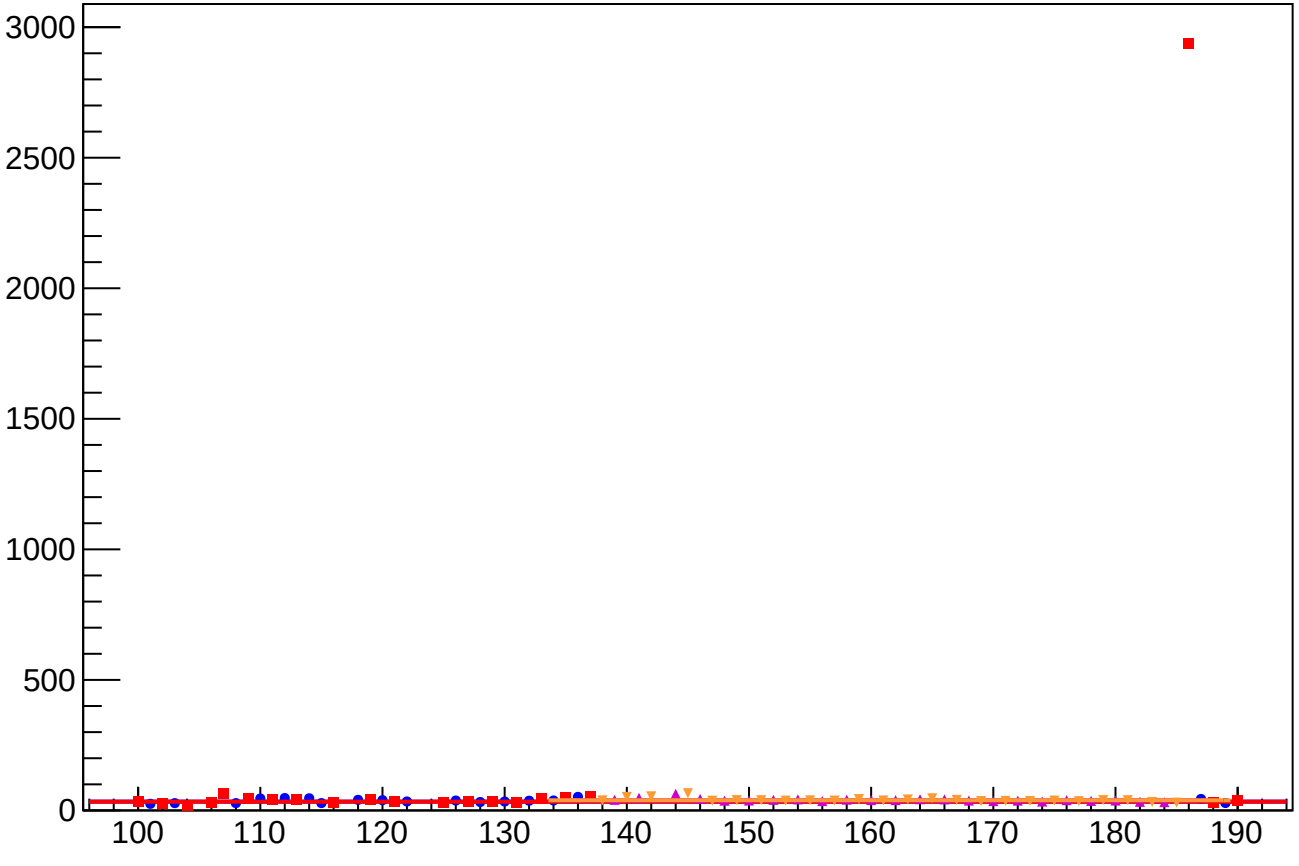
Right: 0.002+/-0.009 χ^2/NDF: 30.1/38

In: -0.003+/-0.008 χ^2/NDF:40.0/40

Out: -0.009+/-0.008 χ^2/NDF:33.7/44

All: -0.006+/-0.005 χ^2/NDF: 73.9/85

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.813+/-0.009 χ^2/NDF: 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.580+/-0.009 χ^2/NDF: 1720399.3/20

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

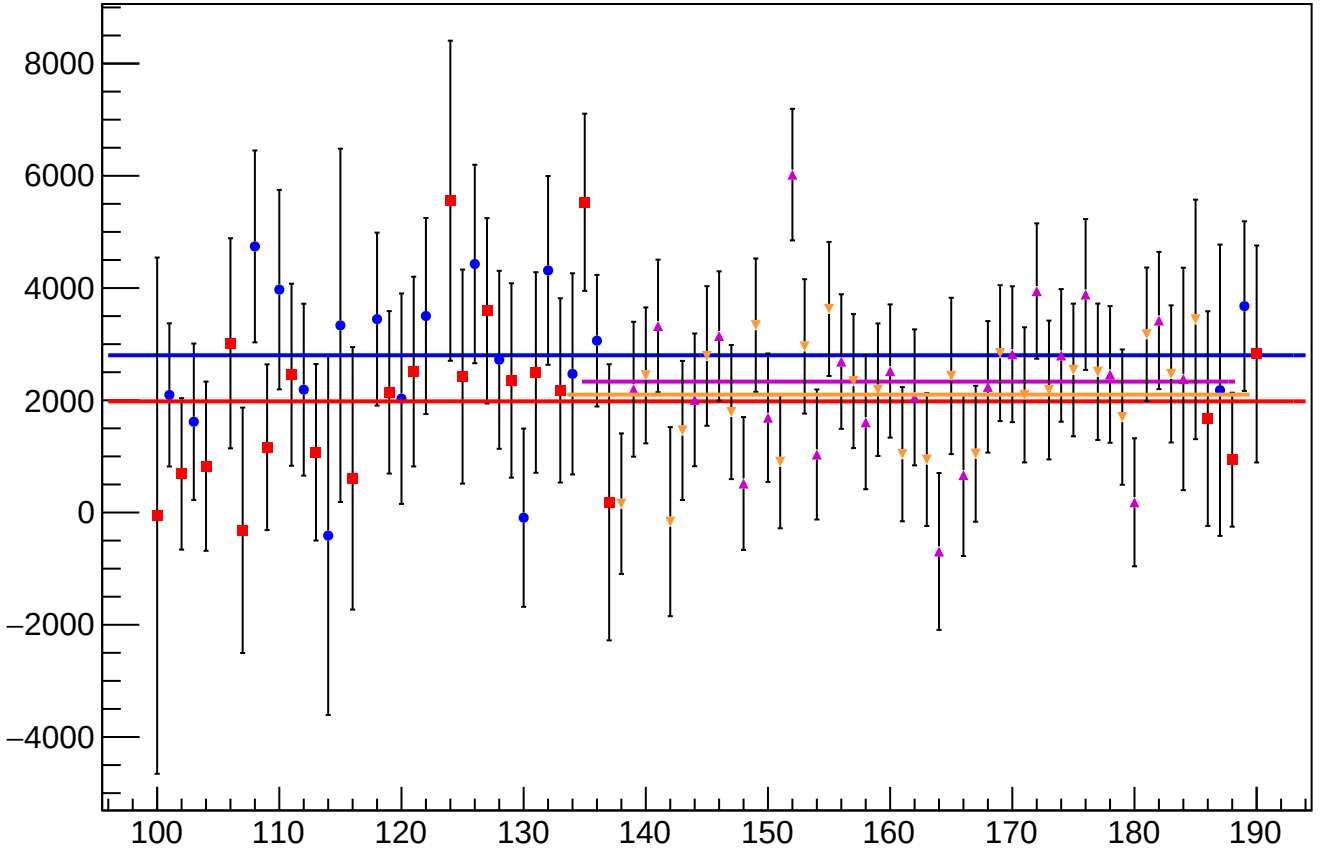
Right: 33.690+/-0.006 χ^2/NDF: 2387851.3/38

In: 37.303+/-0.005 χ^2/NDF:1409169.2/40

Out: 36.972+/-0.005 χ^2/NDF:2585754.8/44

All: 37.133+/-0.004 χ^2/NDF: 3996817.0/85

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1980.641+/-368.202 χ^2/NDF: 13.6/21

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

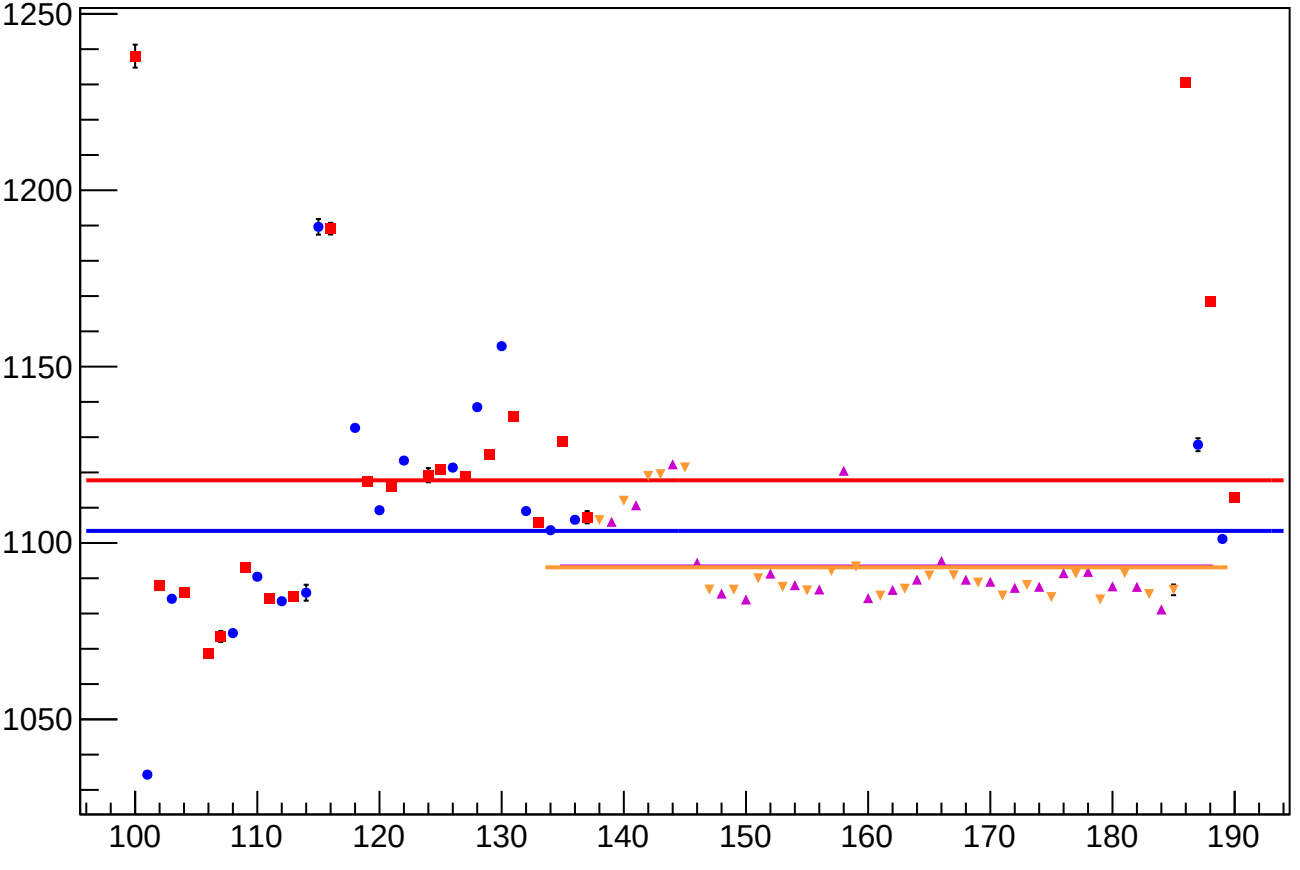
Right: 2366.633+/-268.068 χ^2/NDF: 25.8/39

In: 2473.118+/-213.764 χ^2/NDF:40.4/40

Out: 2062.961+/-205.868 χ^2/NDF:27.5/46

All: 2260.324+/-148.284 χ^2/NDF: 69.8/87

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

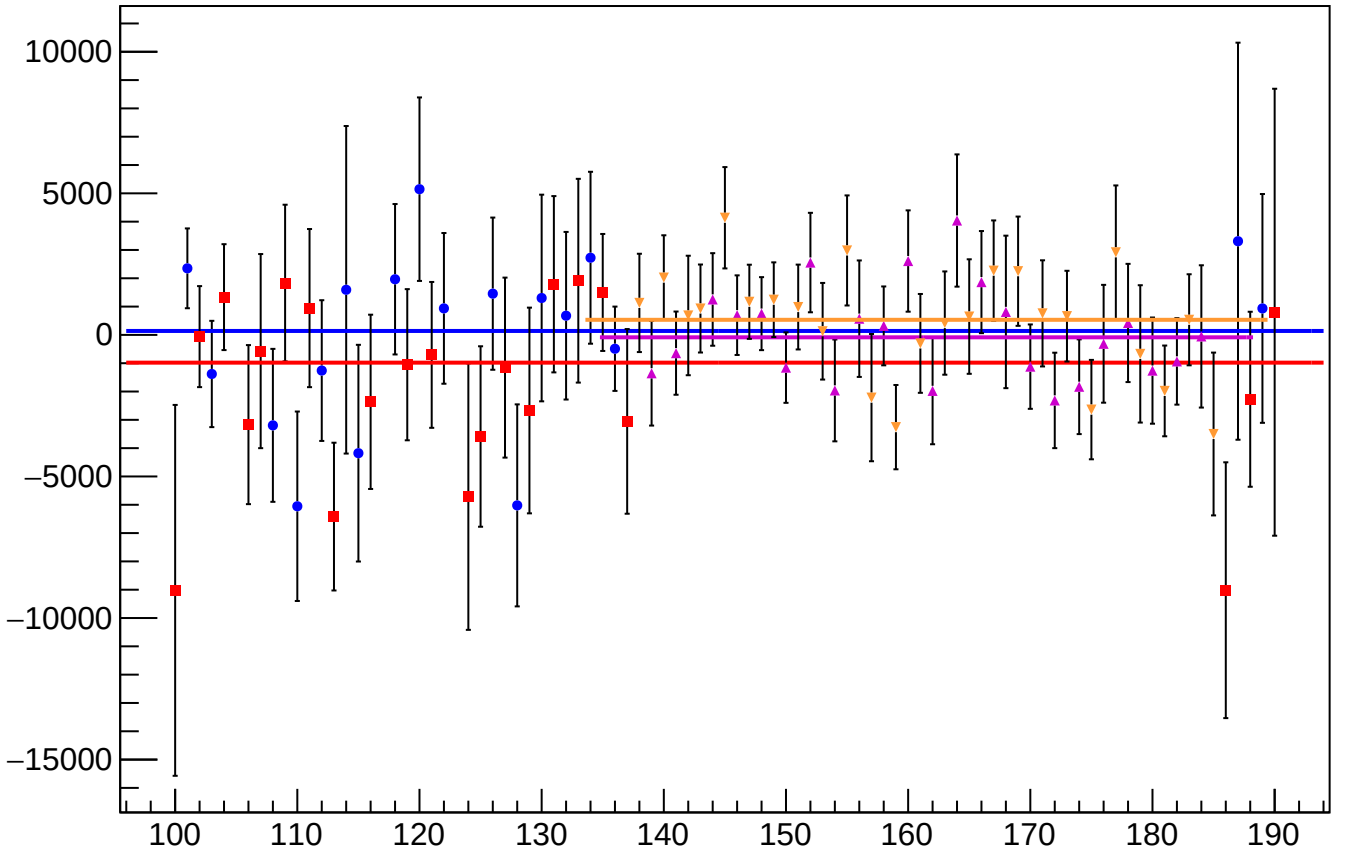
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1111.029+/-0.190 χ^2/NDF: 35453.9/39

In: 1096.354+/-0.151 χ^2/NDF:18067.5/40

Out: 1100.812+/-0.146 χ^2/NDF:30772.7/46

All: 1098.667+/-0.105 χ^2/NDF: 49291.6/87



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -980.103+/-616.104 χ^2/NDF: 18.6/21

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

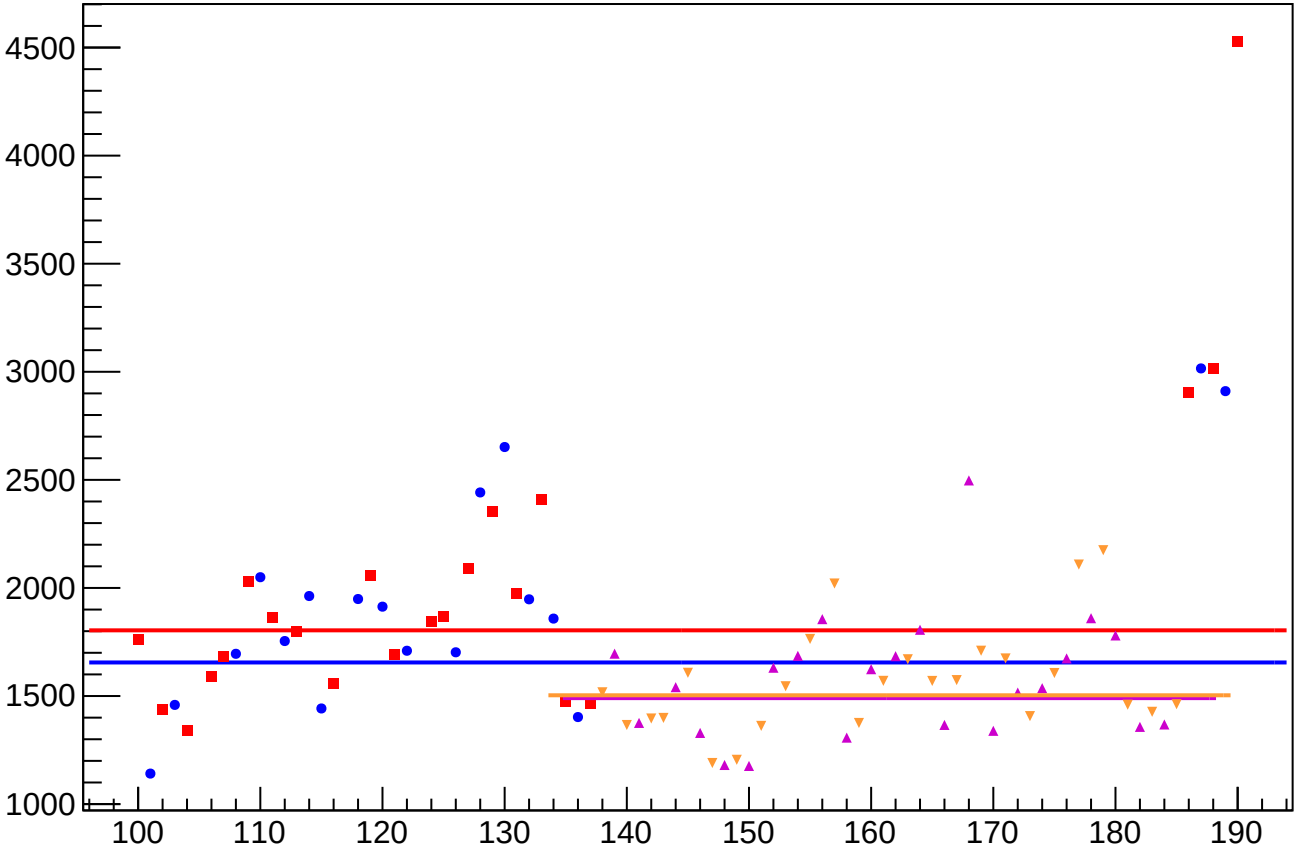
Right: -413.665+/-433.004 χ^2/NDF: 37.4/39

In: -28.593+/-305.967 χ^2/NDF:35.3/40

Out: 168.244+/-302.491 χ^2/NDF:49.6/46

All: 70.950+/-215.112 χ^2/NDF: 85.1/87

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

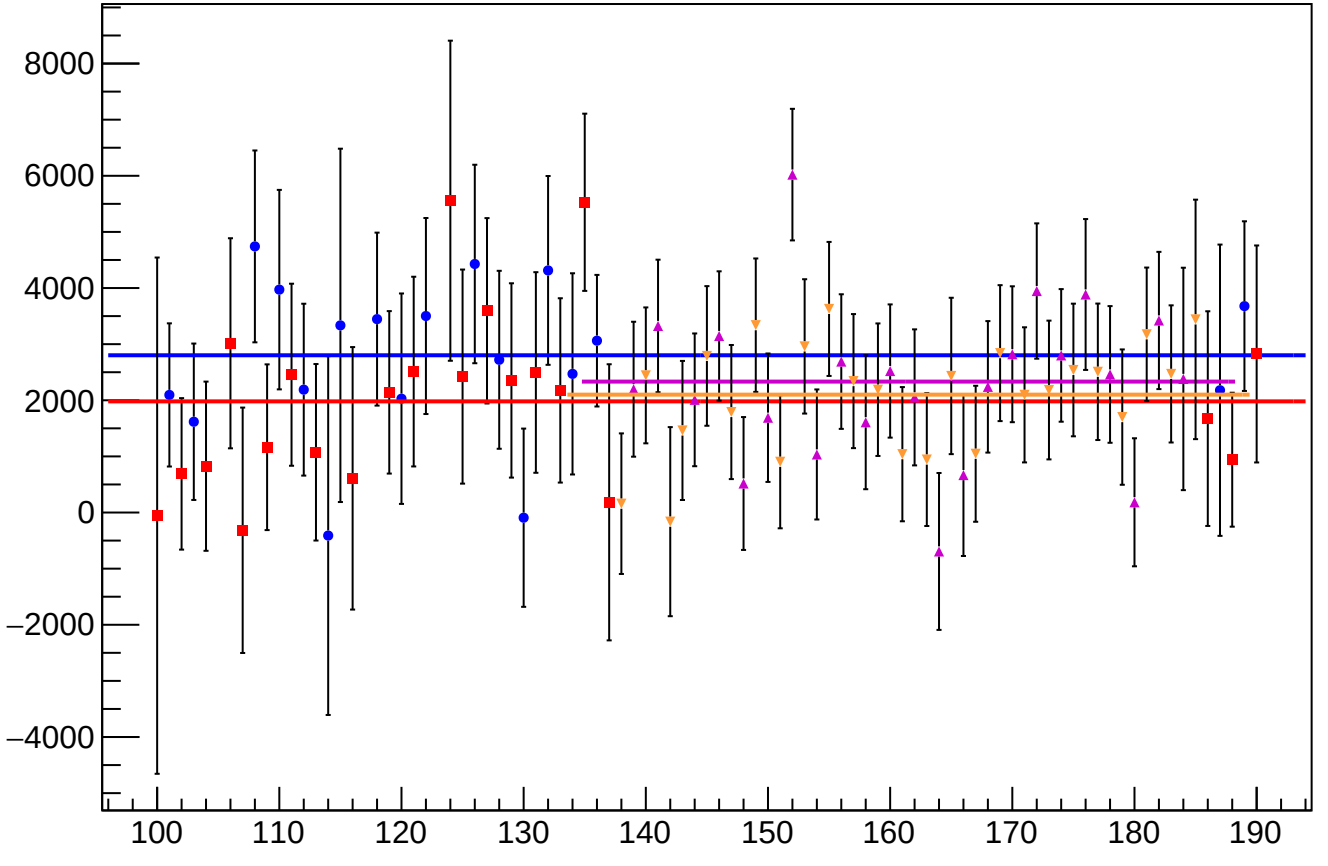
Right: 1728.668+/-0.306 χ^2/NDF: 2162279.9/39

In: 1531.991+/-0.216 χ^2/NDF:2048218.9/40

Out: 1575.861+/-0.214 χ^2/NDF:2293767.9/46

All: 1554.177+/-0.152 χ^2/NDF: 4362779.7/87

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1980.641+/-368.202 χ^2/NDF: 13.6/21

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

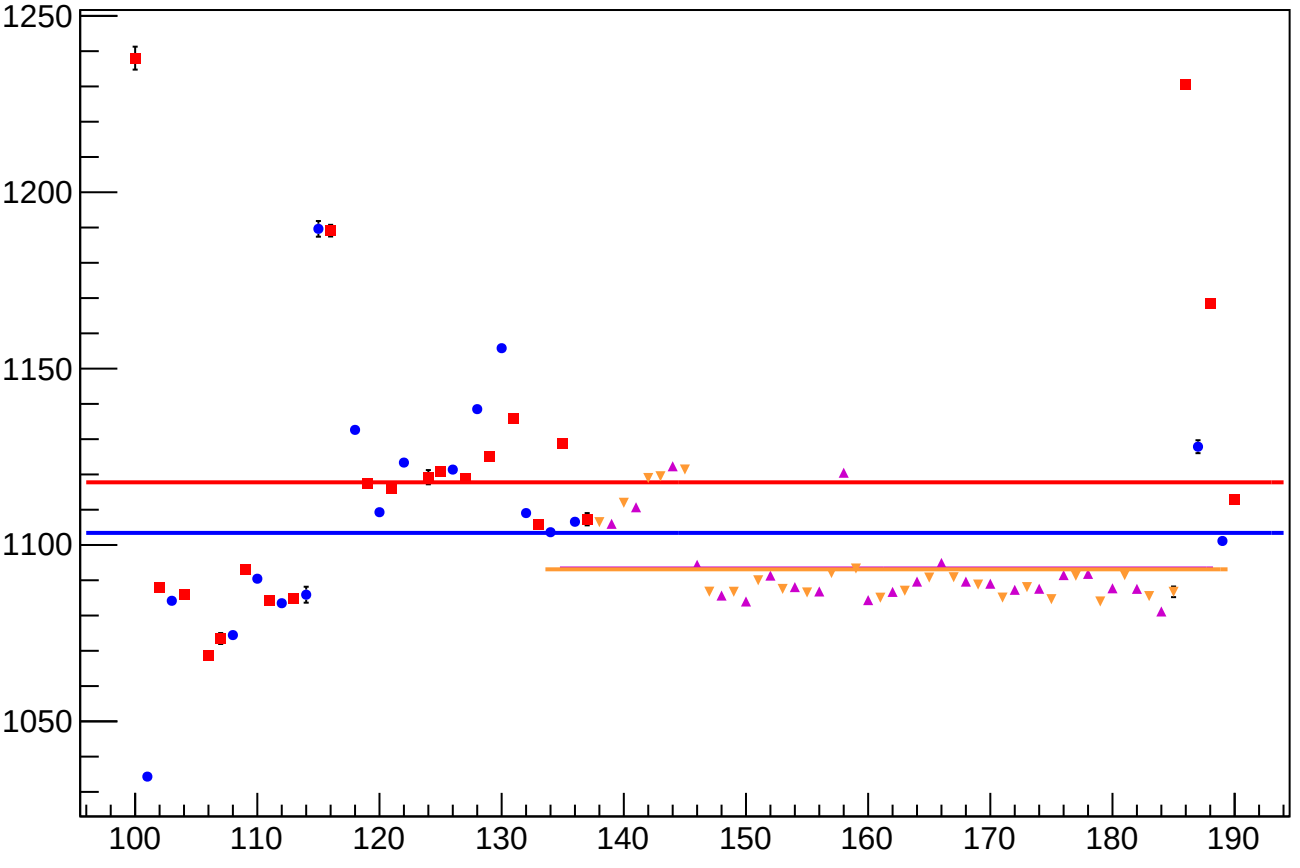
Right: 2366.633+/-268.068 χ^2/NDF: 25.8/39

In: 2473.118+/-213.764 χ^2/NDF:40.4/40

Out: 2062.961+/-205.868 χ^2/NDF:27.5/46

All: 2260.324+/-148.284 χ^2/NDF: 69.8/87

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

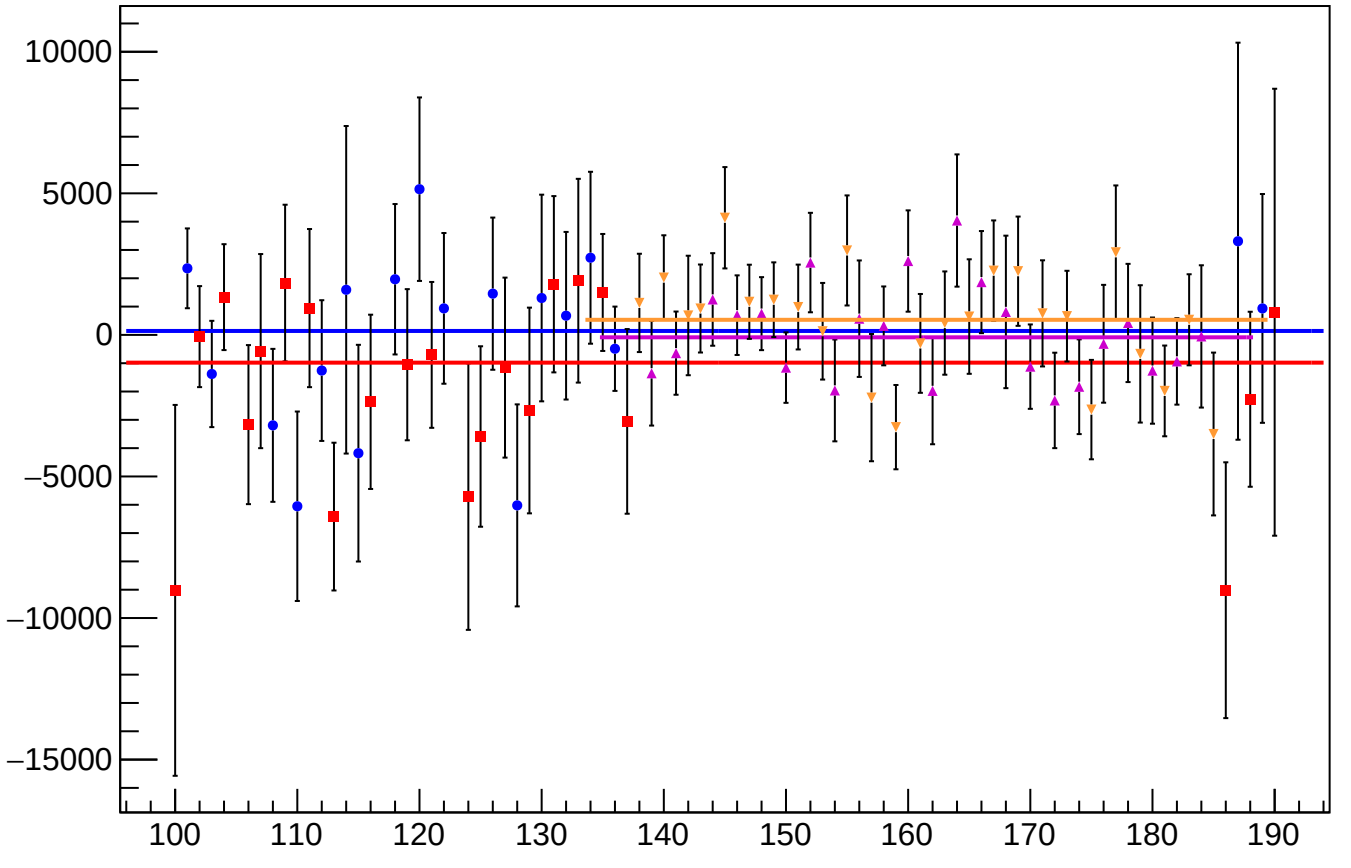
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1111.029+/-0.190 χ^2/NDF: 35453.9/39

In: 1096.354+/-0.151 χ^2/NDF:18067.5/40

Out: 1100.812+/-0.146 χ^2/NDF:30772.7/46

All: 1098.667+/-0.105 χ^2/NDF: 49291.6/87



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -980.103+/-616.104 χ^2/NDF: 18.6/21

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

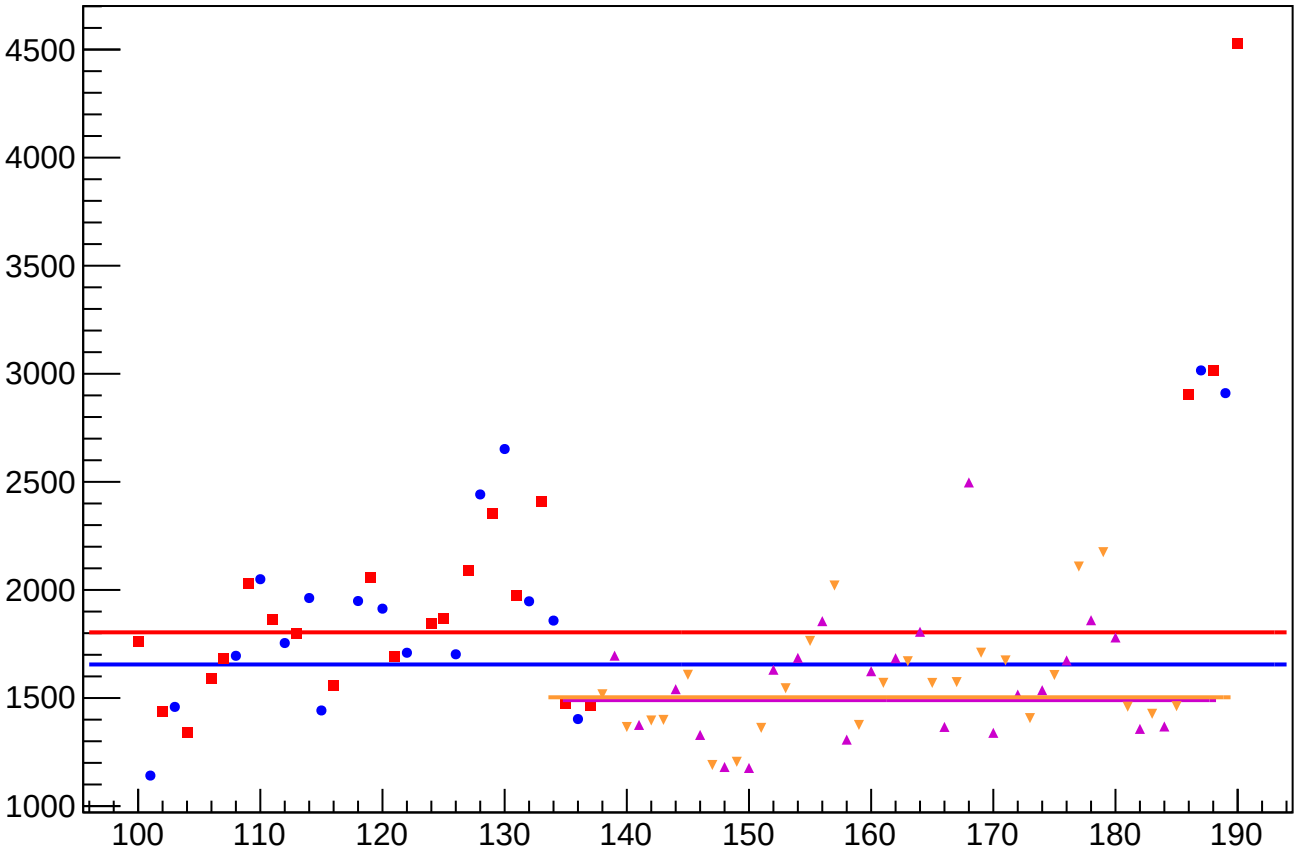
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -413.665+/-433.004 χ^2/NDF: 37.4/39

In: -28.593+/-305.967 χ^2/NDF:35.3/40

Out: 168.244+/-302.491 χ^2/NDF:49.6/46

All: 70.950+/-215.112 χ^2/NDF: 85.1/87



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

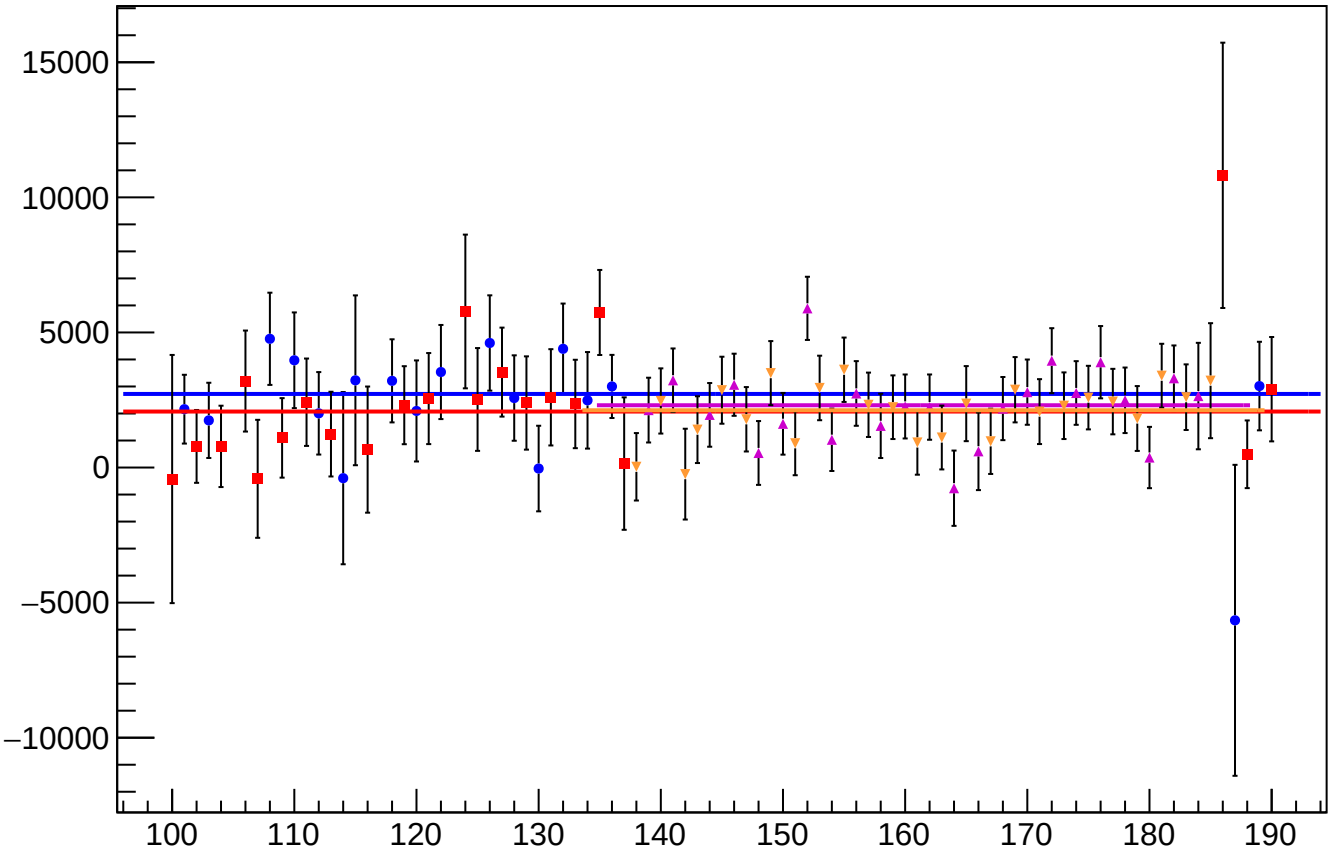
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1728.668+/-0.306 χ^2/NDF: 2162279.9/39

In: 1531.991+/-0.216 χ^2/NDF:2048218.9/40

Out: 1575.861+/-0.214 χ^2/NDF:2293767.9/46

All: 1554.177+/-0.152 χ^2/NDF: 4362779.7/87



Right In: 2723.830+/-395.670 χ^2/NDF: 11.7/17

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2072.425+/-375.012 χ^2/NDF: 18.5/21

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

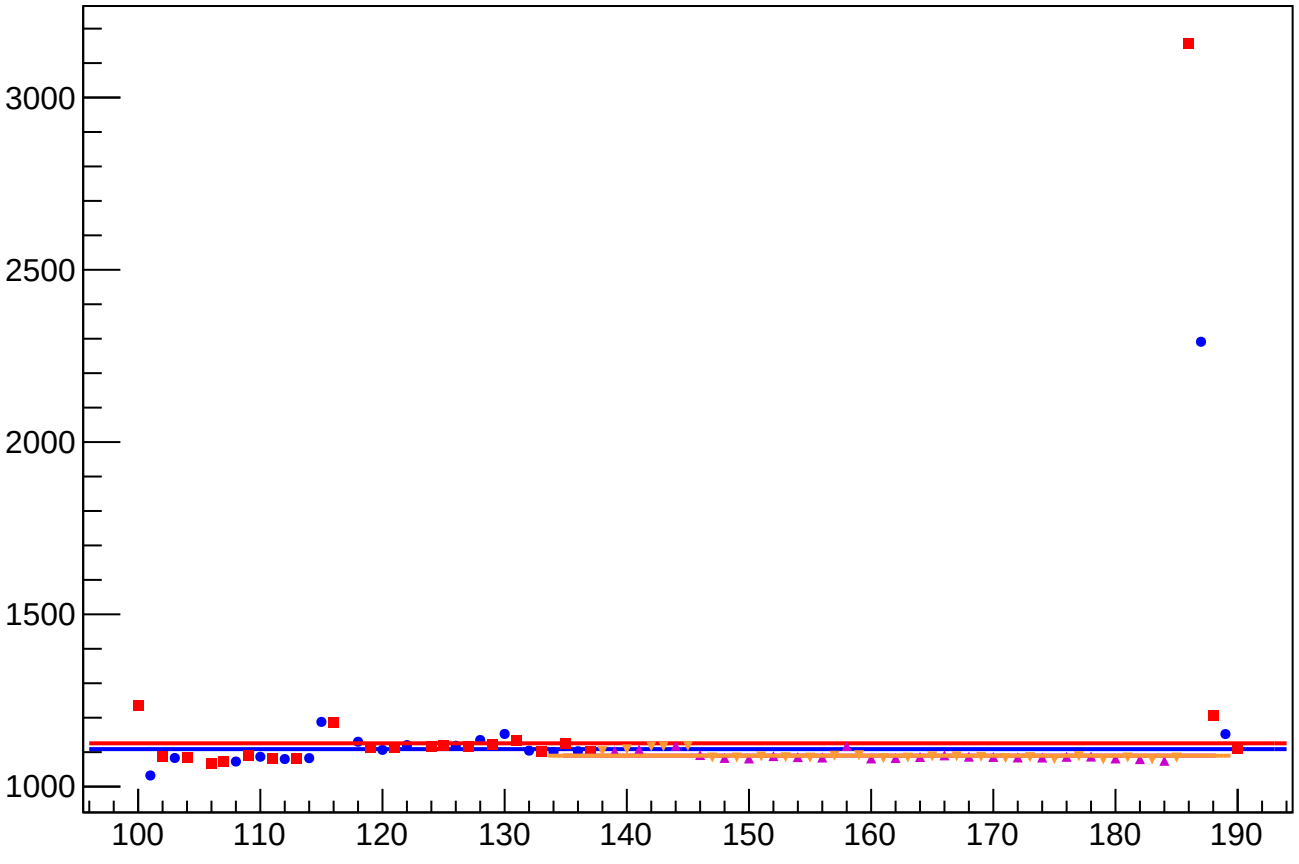
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2380.679+/-272.184 χ^2/NDF: 31.6/39

In: 2427.859+/-214.044 χ^2/NDF:40.9/40

Out: 2105.543+/-206.593 χ^2/NDF:33.7/46

All: 2260.994+/-148.648 χ^2/NDF: 75.7/87



Right In: 1108.777+/-0.280 χ^2/NDF: 99830.0/17

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1125.657+/-0.265 χ^2/NDF: 364125.5/21

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

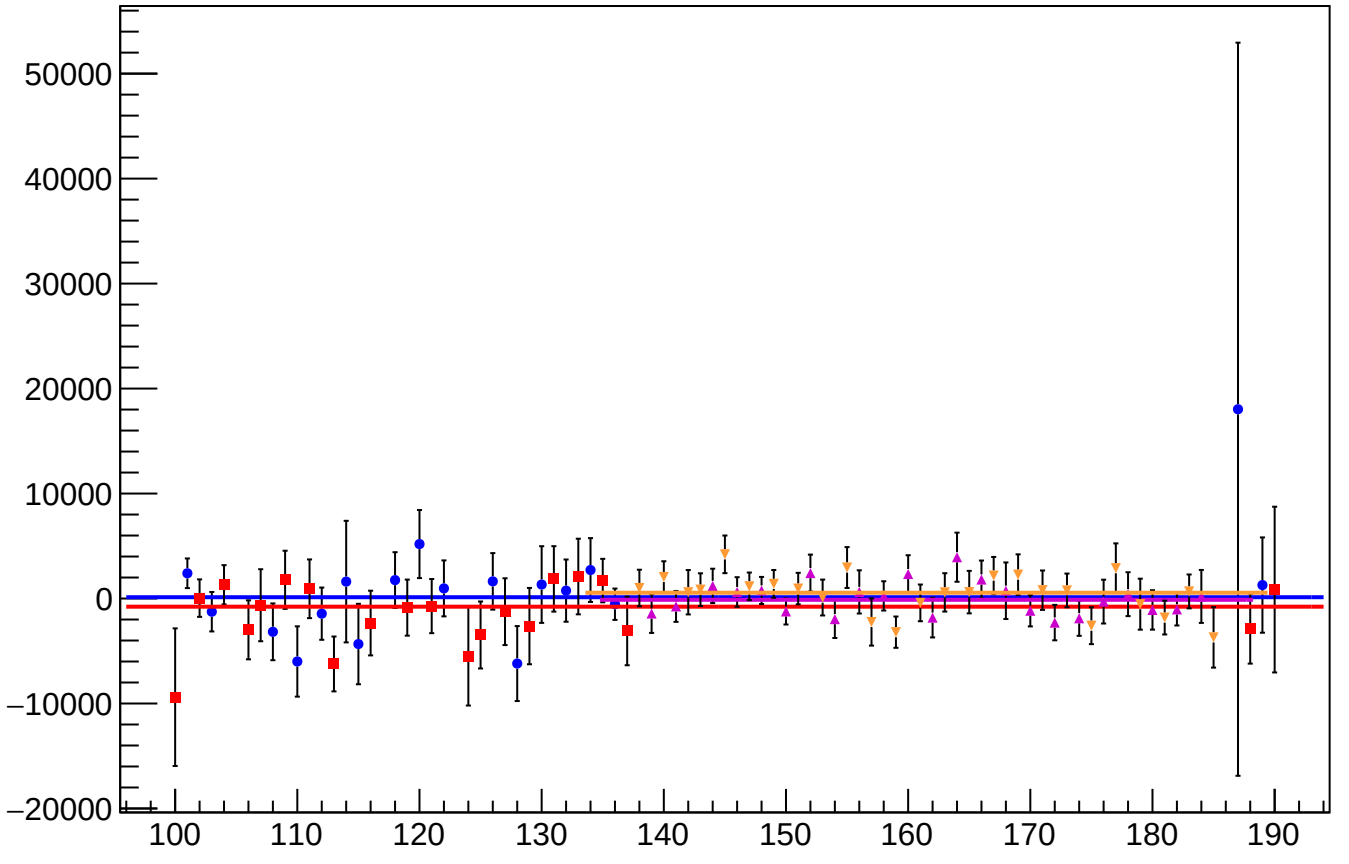
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1117.669+/-0.192 χ^2/NDF: 465873.1/39

In: 1095.470+/-0.151 χ^2/NDF:106924.2/40

Out: 1100.643+/-0.146 χ^2/NDF:380958.8/46

All: 1098.148+/-0.105 χ^2/NDF: 488487.8/87



Right In: 124.579+/-613.108 χ^2/NDF: 17.6/17

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -777.181+/-624.266 χ^2/NDF: 15.4/20

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

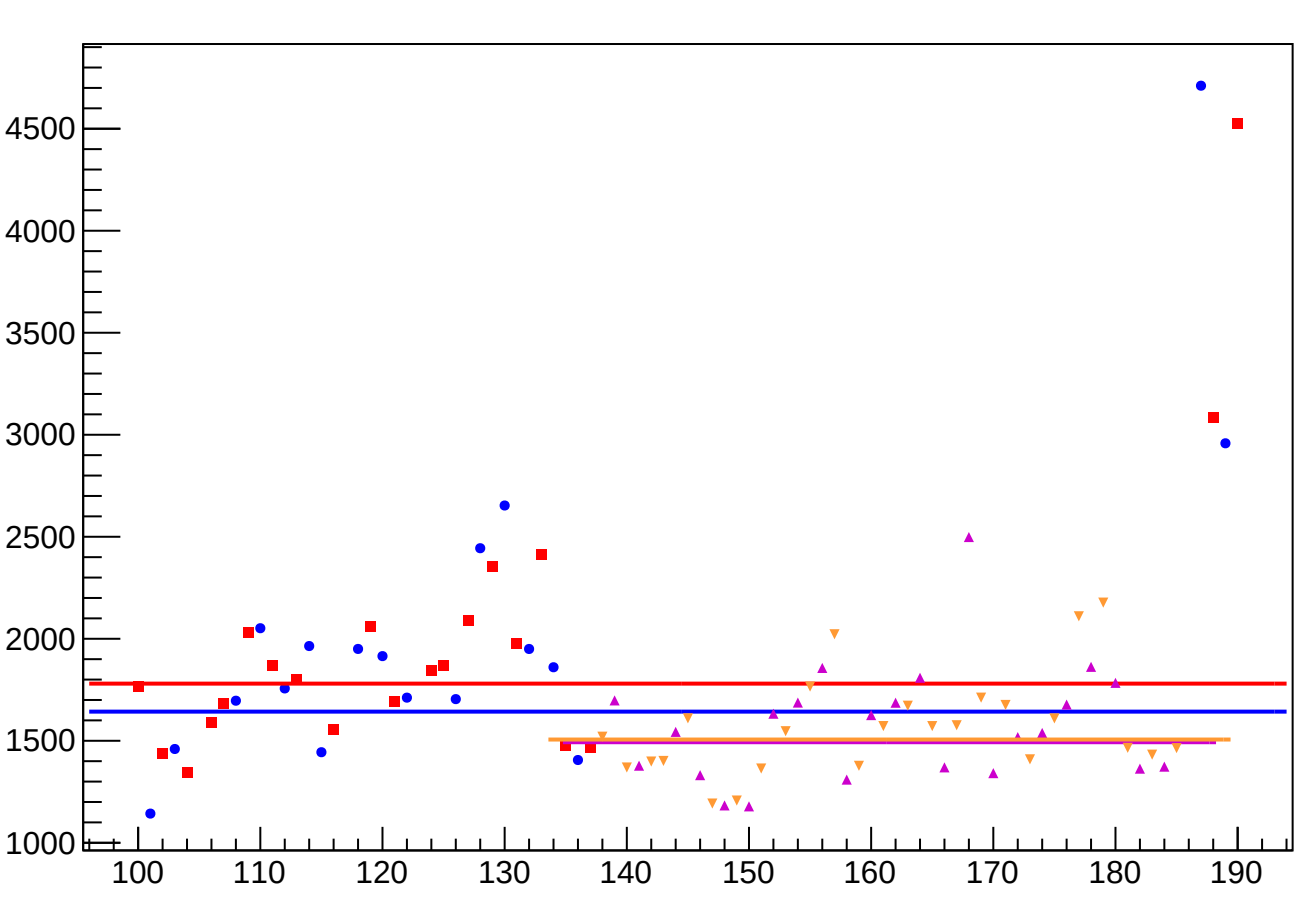
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -318.171+/-437.424 χ^2/NDF: 34.0/38

In: -59.774+/-306.919 χ^2/NDF:34.8/40

Out: 238.477+/-303.836 χ^2/NDF:45.0/45

All: 90.857+/-215.926 χ^2/NDF: 80.3/86



Right In: 1642.905+/-0.434 χ^2/NDF: 878467.7/17

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1780.164+/-0.441 χ^2/NDF: 997289.6/20

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

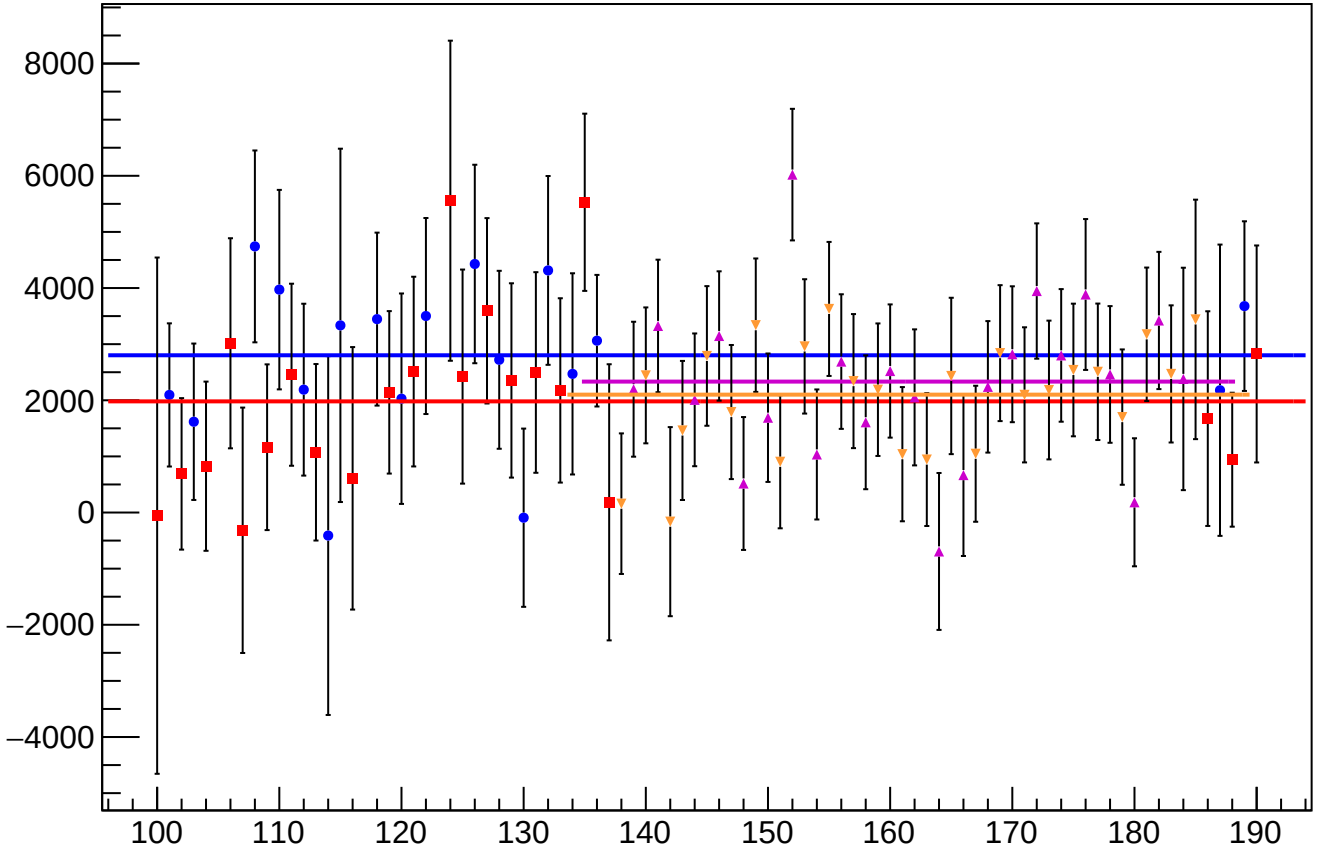
Right: 1710.297+/-0.309 χ^2/NDF: 1924973.0/38

In: 1530.548+/-0.217 χ^2/NDF:1932453.9/40

Out: 1571.024+/-0.215 χ^2/NDF:2087845.8/45

All: 1550.990+/-0.153 χ^2/NDF: 4037867.8/86

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1980.641+/-368.202 χ^2/NDF: 13.6/21

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

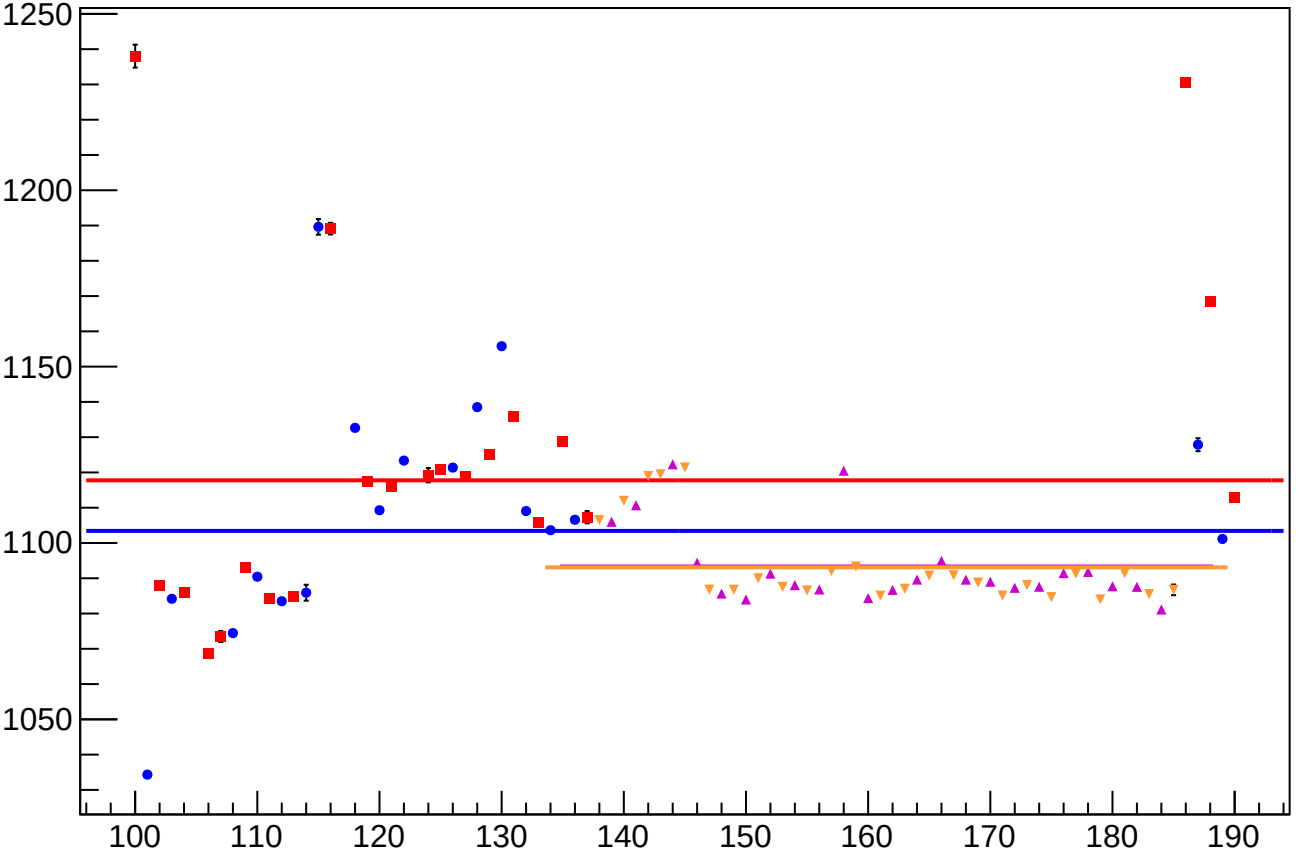
Right: 2366.633+/-268.068 χ^2/NDF: 25.8/39

In: 2473.118+/-213.764 χ^2/NDF:40.4/40

Out: 2062.961+/-205.868 χ^2/NDF:27.5/46

All: 2260.324+/-148.284 χ^2/NDF: 69.8/87

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

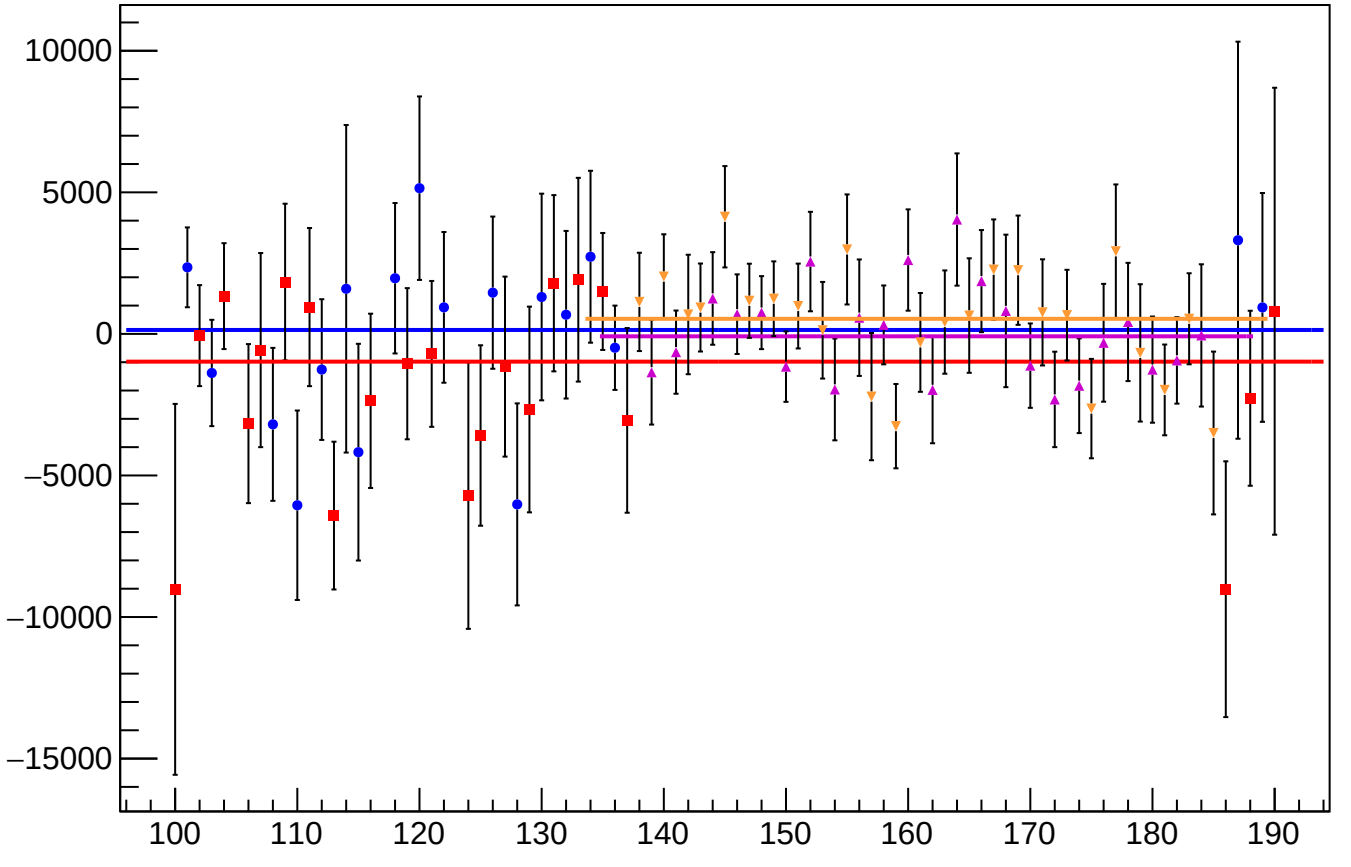
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1111.029+/-0.190 χ^2/NDF: 35453.9/39

In: 1096.354+/-0.151 χ^2/NDF:18067.5/40

Out: 1100.812+/-0.146 χ^2/NDF:30772.7/46

All: 1098.667+/-0.105 χ^2/NDF: 49291.6/87



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -980.103+/-616.104 χ^2/NDF: 18.6/21

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

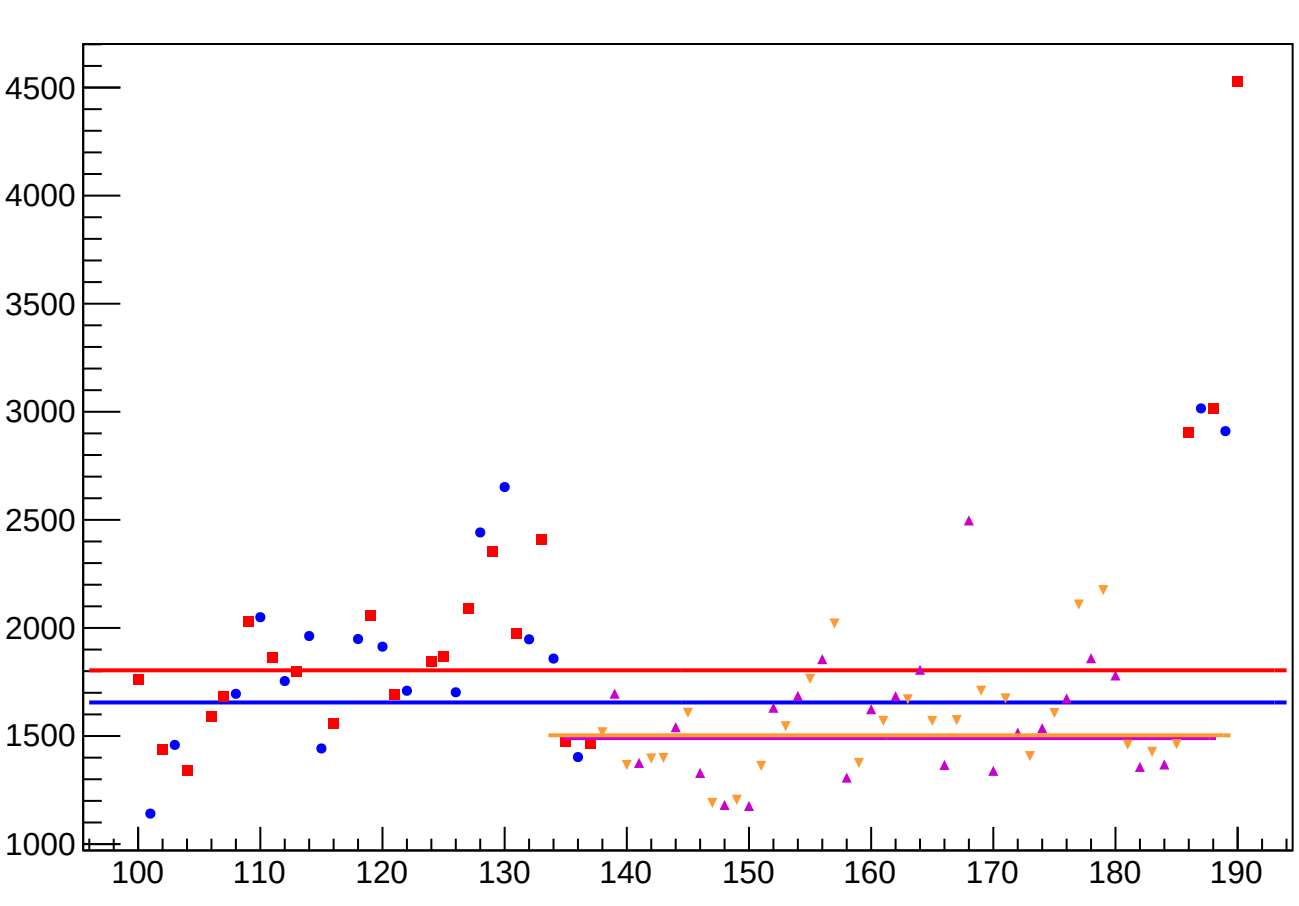
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -413.665+/-433.004 χ^2/NDF: 37.4/39

In: -28.593+/-305.967 χ^2/NDF:35.3/40

Out: 168.244+/-302.491 χ^2/NDF:49.6/46

All: 70.950+/-215.112 χ^2/NDF: 85.1/87



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

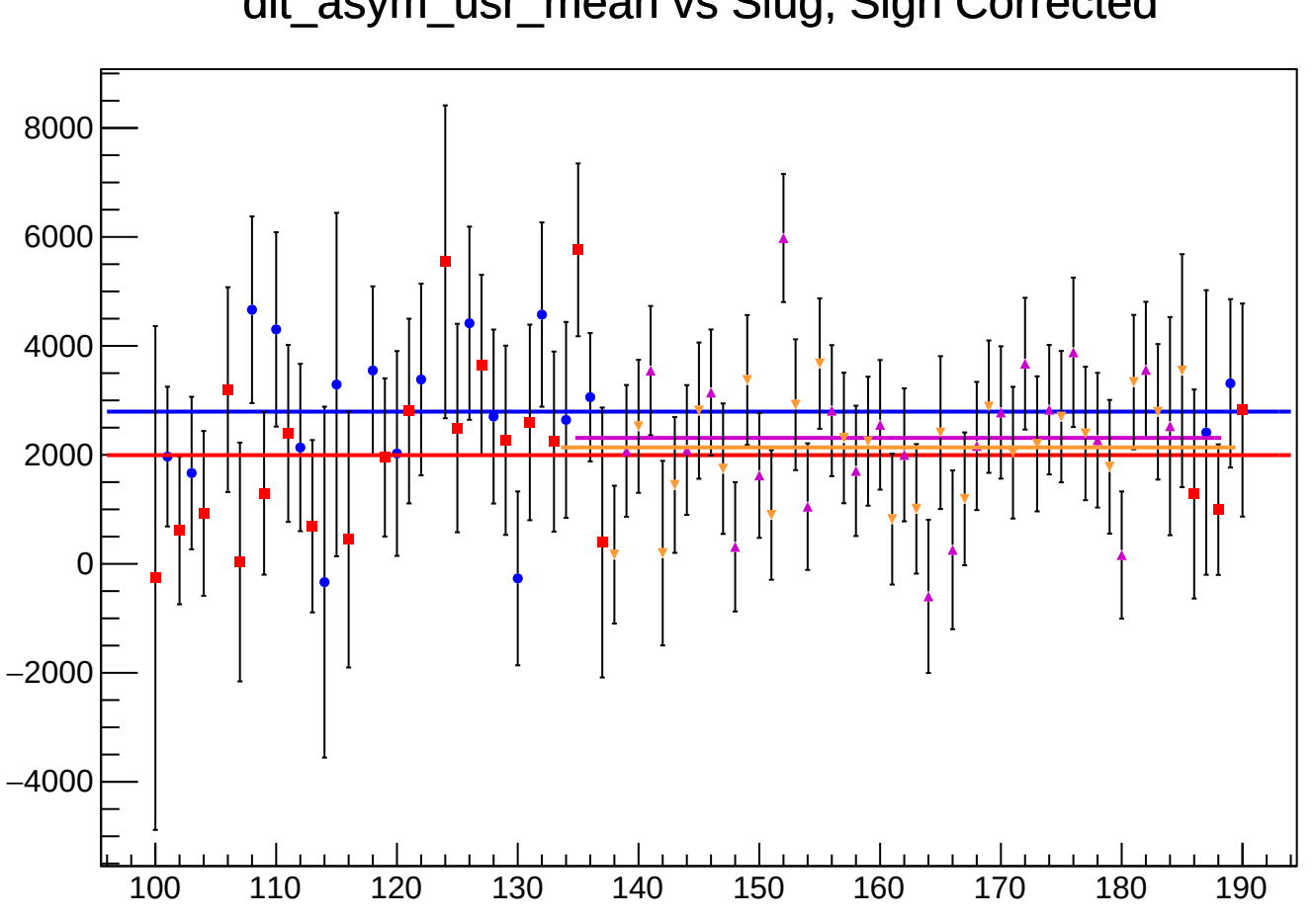
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1728.668+/-0.306 χ^2/NDF: 2162279.9/39

In: 1531.991+/-0.216 χ^2/NDF:2048218.9/40

Out: 1575.861+/-0.214 χ^2/NDF:2293767.9/46

All: 1554.177+/-0.152 χ^2/NDF: 4362779.7/87



Right In: 2793.942+/-393.174 χ^2/NDF: 10.5/17

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1995.387+/-369.885 χ^2/NDF: 14.4/21

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

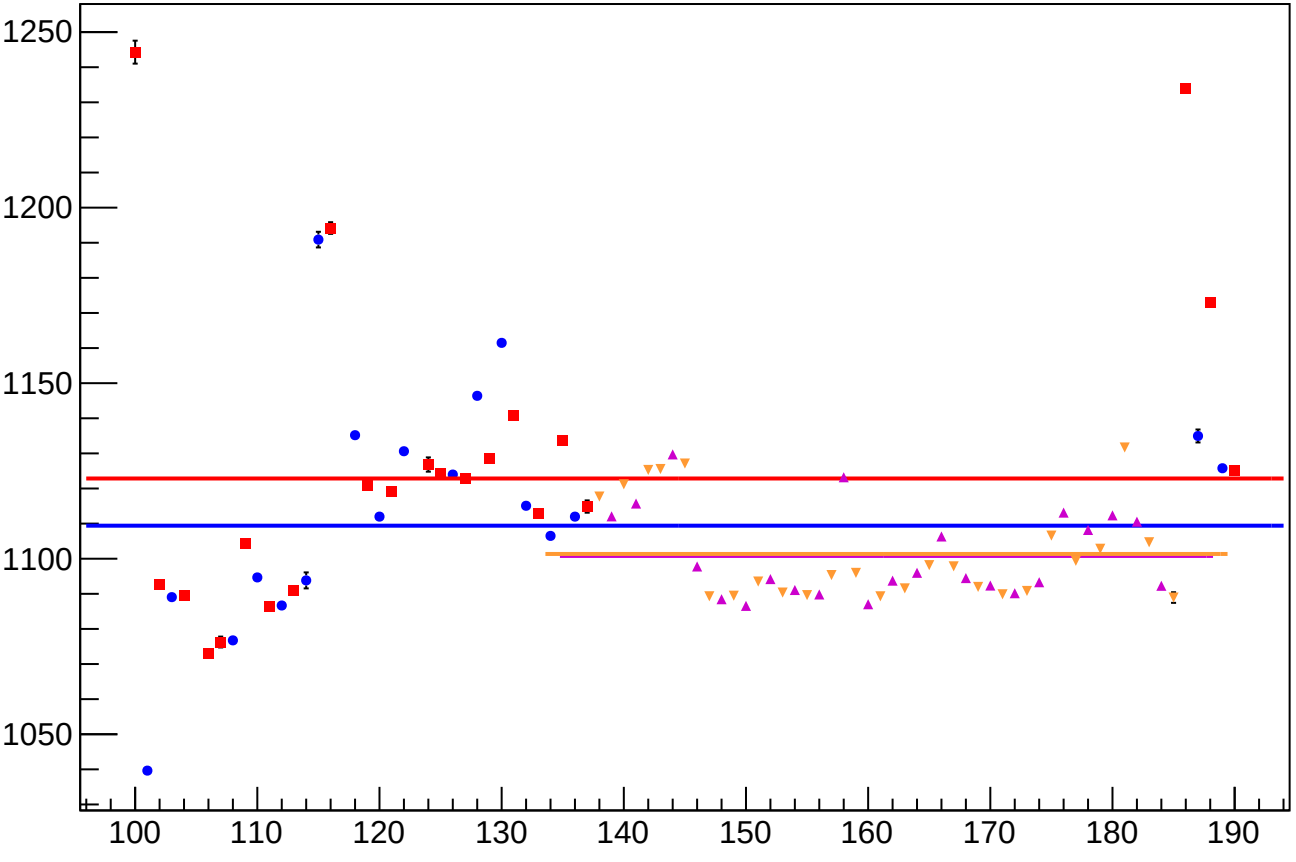
Right: 2370.315+/-269.405 χ^2/NDF: 27.1/39

In: 2456.135+/-215.141 χ^2/NDF:41.5/40

Out: 2092.673+/-207.238 χ^2/NDF:28.5/46

All: 2267.605+/-149.255 χ^2/NDF: 71.4/87

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1109.408+/-0.278 χ^2/NDF: 13674.4/17

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.849+/-0.262 χ^2/NDF: 20298.5/21

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

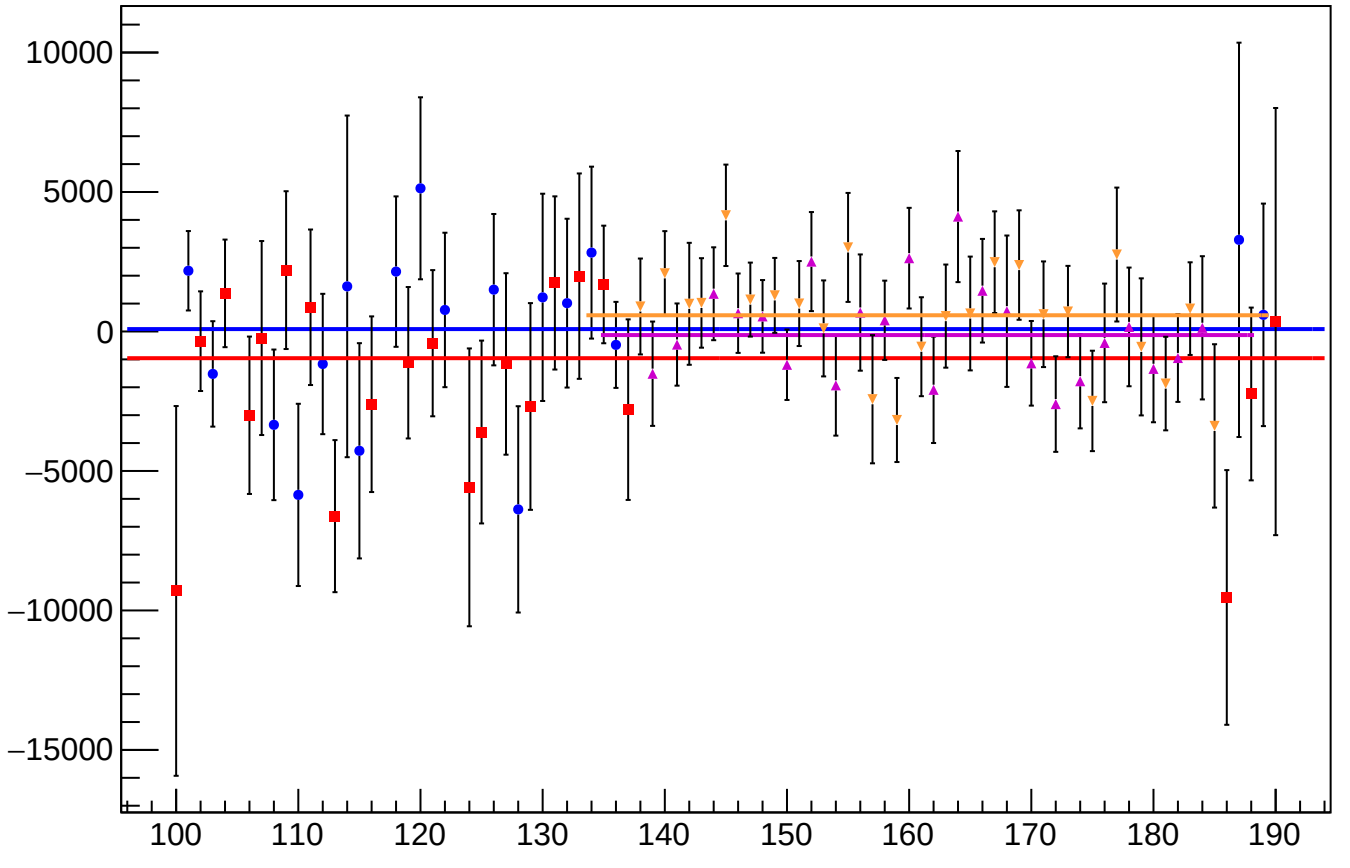
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1116.538+/-0.190 χ^2/NDF: 35212.8/39

In: 1103.372+/-0.152 χ^2/NDF:18988.9/40

Out: 1108.101+/-0.147 χ^2/NDF:30883.2/46

All: 1105.825+/-0.106 χ^2/NDF: 50373.4/87



Right In: 85.730+/-618.038 χ^2/NDF: 17.1/17

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -957.618+/-625.939 χ^2/NDF: 18.8/21

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

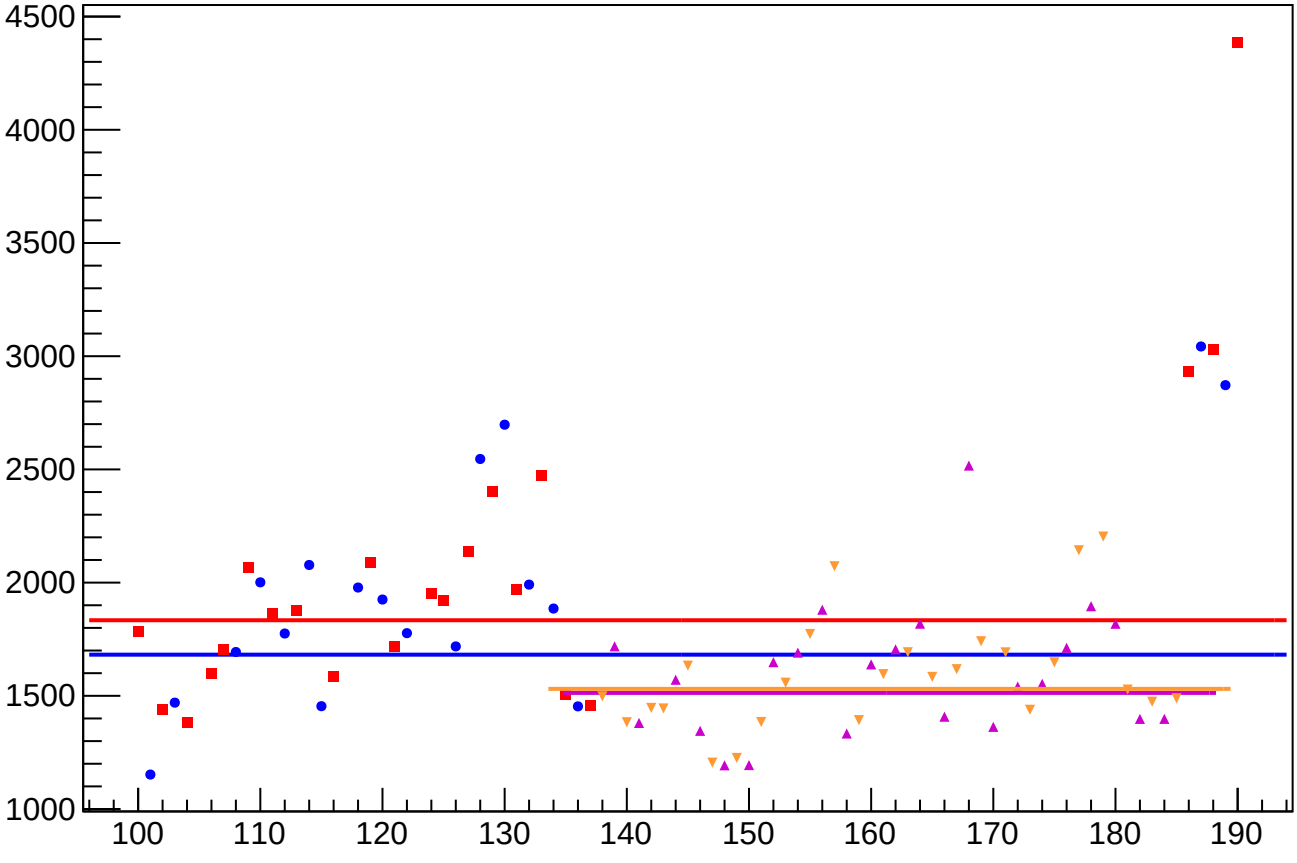
Right: -429.318+/-439.786 χ^2/NDF: 37.3/39

In: -74.625+/-310.512 χ^2/NDF:35.0/40

Out: 209.436+/-307.732 χ^2/NDF:48.8/46

All: 68.683+/-218.576 χ^2/NDF: 84.2/87

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1681.805+/-0.437 χ^2/NDF: 961865.1/17

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1833.836+/-0.443 χ^2/NDF: 1114332.7/21

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

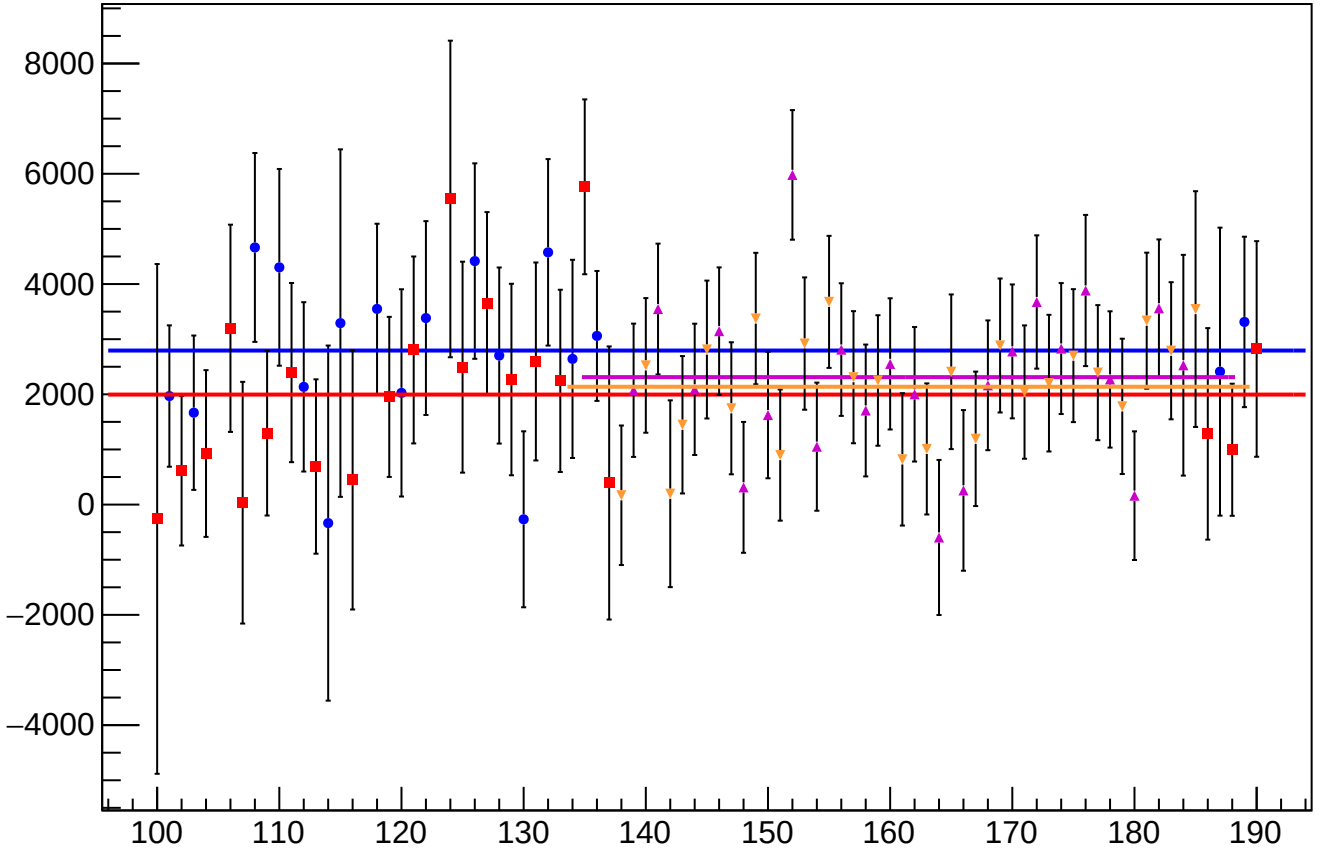
Right: 1756.855+/-0.311 χ^2/NDF: 2135939.6/39

In: 1555.570+/-0.220 χ^2/NDF:2030534.4/40

Out: 1604.017+/-0.218 χ^2/NDF:2265512.9/46

All: 1580.012+/-0.155 χ^2/NDF: 4320609.4/87

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2793.942+/-393.174 χ^2/NDF: 10.5/17

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1995.387+/-369.885 χ^2/NDF: 14.4/21

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

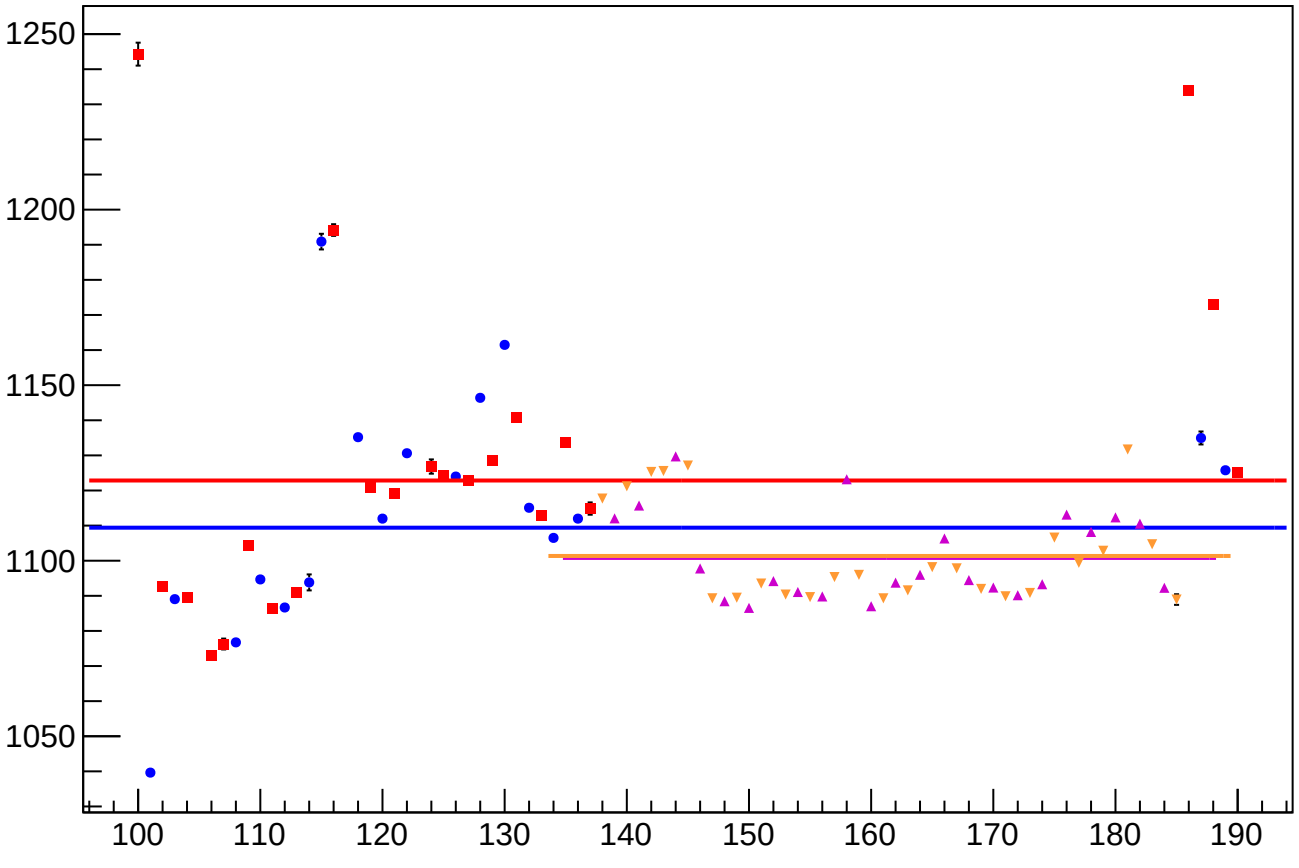
Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

Right: 2370.315+/-269.405 χ^2/NDF: 27.1/39

In: 2456.134+/-215.141 χ^2/NDF:41.5/40

Out: 2092.671+/-207.238 χ^2/NDF:28.5/46

All: 2267.604+/-149.255 χ^2/NDF: 71.4/87



Right In: 1109.408+/-0.278 χ^2/NDF: 13674.3/17

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.849+/-0.262 χ^2/NDF: 20298.5/21

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

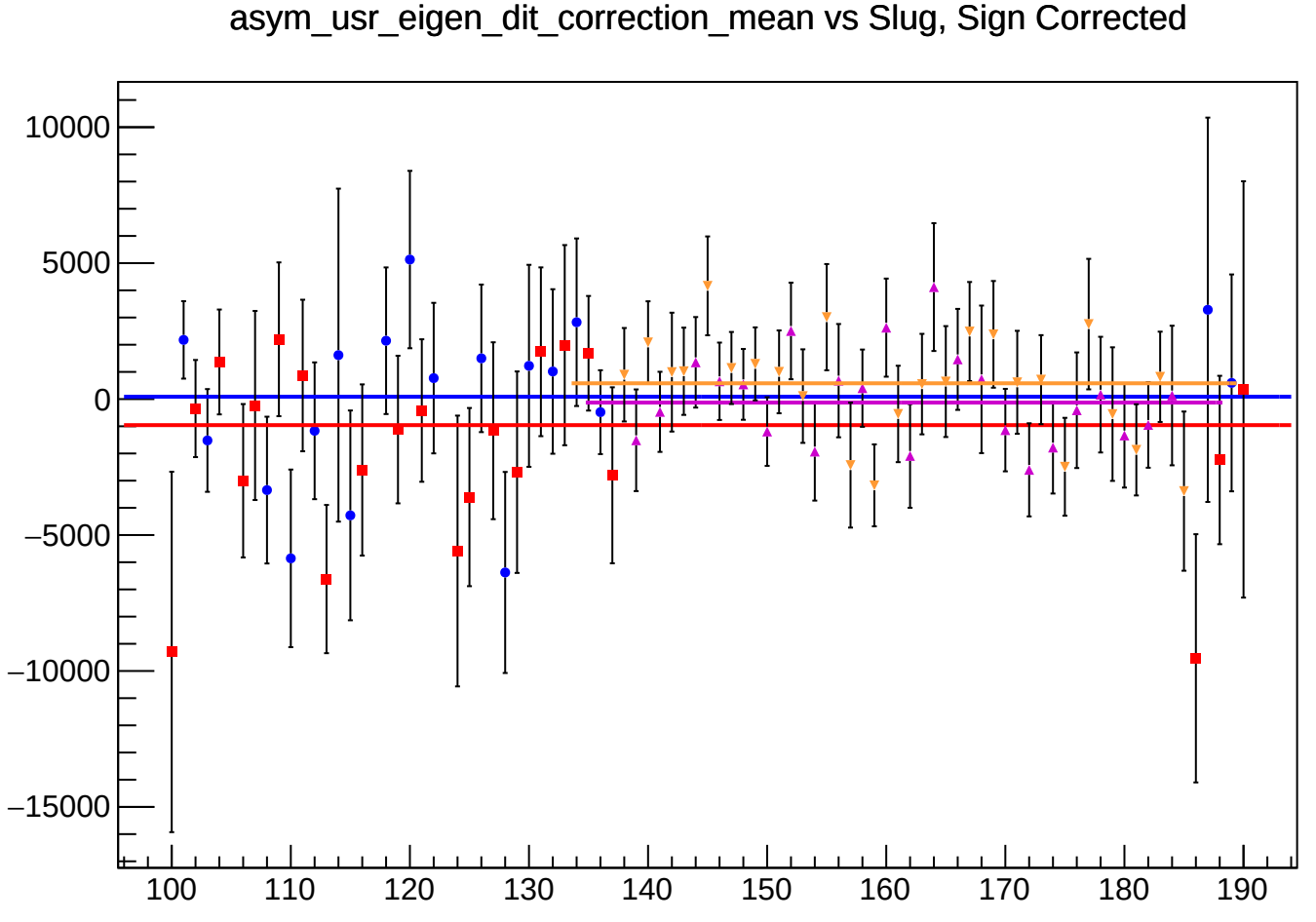
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1116.538+/-0.190 χ^2/NDF: 35212.7/39

In: 1103.372+/-0.152 χ^2/NDF:18988.8/40

Out: 1108.101+/-0.147 χ^2/NDF:30883.2/46

All: 1105.825+/-0.106 χ^2/NDF: 50373.2/87



Right In: 85.725+/-618.037 χ^2/NDF: 17.1/17

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -957.621+/-625.938 χ^2/NDF: 18.8/21

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

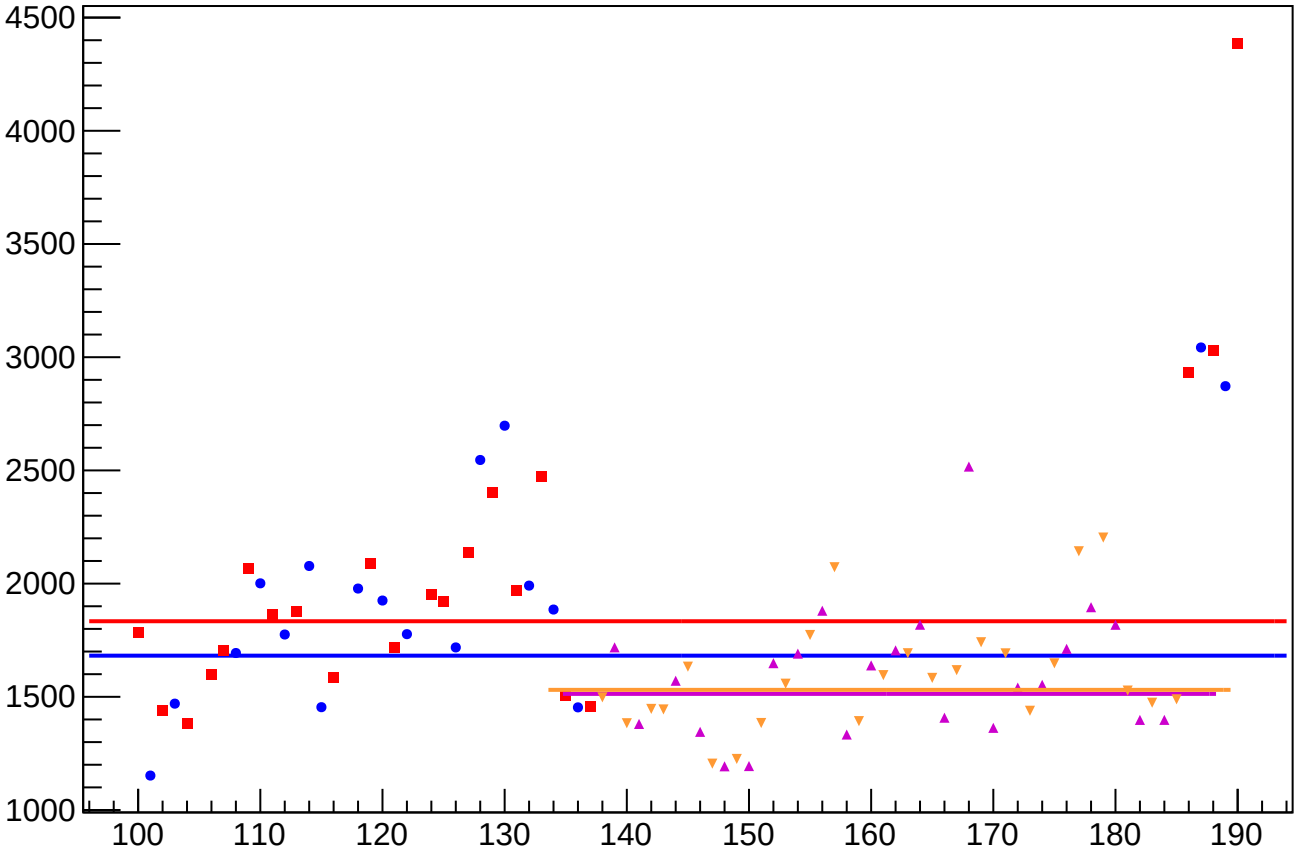
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -429.321+/-439.785 χ^2/NDF: 37.3/39

In: -74.626+/-310.512 χ^2/NDF:35.0/40

Out: 209.432+/-307.732 χ^2/NDF:48.8/46

All: 68.680+/-218.576 χ^2/NDF: 84.2/87



Right In: 1681.803+/-0.437 χ^2/NDF: 961852.9/17

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1833.834+/-0.443 χ^2/NDF: 1114319.0/21

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

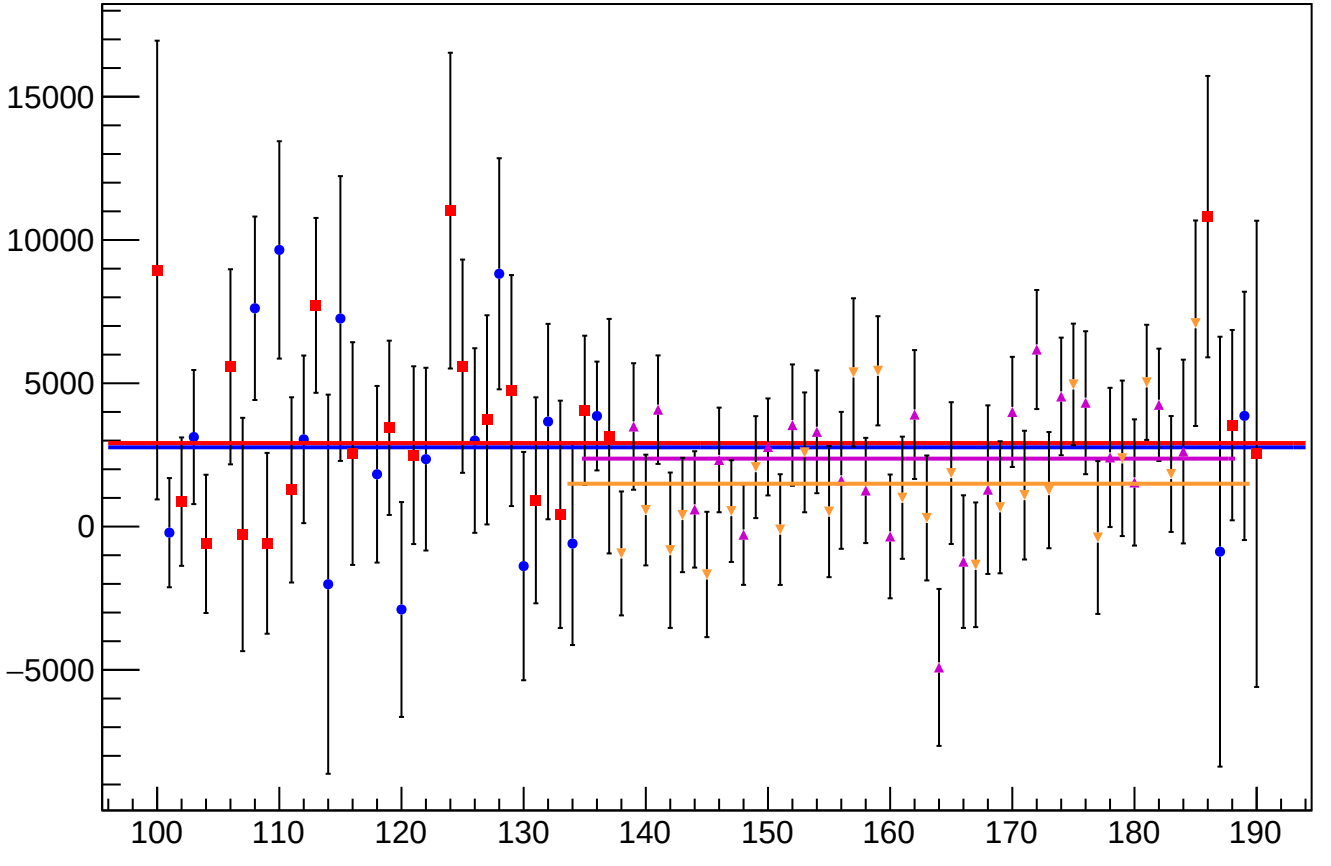
Right: 1756.853+/-0.311 χ^2/NDF: 2135914.2/39

In: 1555.573+/-0.220 χ^2/NDF:2030520.4/40

Out: 1604.020+/-0.218 χ^2/NDF:2265490.7/46

All: 1580.014+/-0.155 χ^2/NDF: 4320573.6/87

asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.317+/-742.148 χ^2/NDF: 16.7/17

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 2914.655+/-734.689 χ^2/NDF: 15.2/21

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

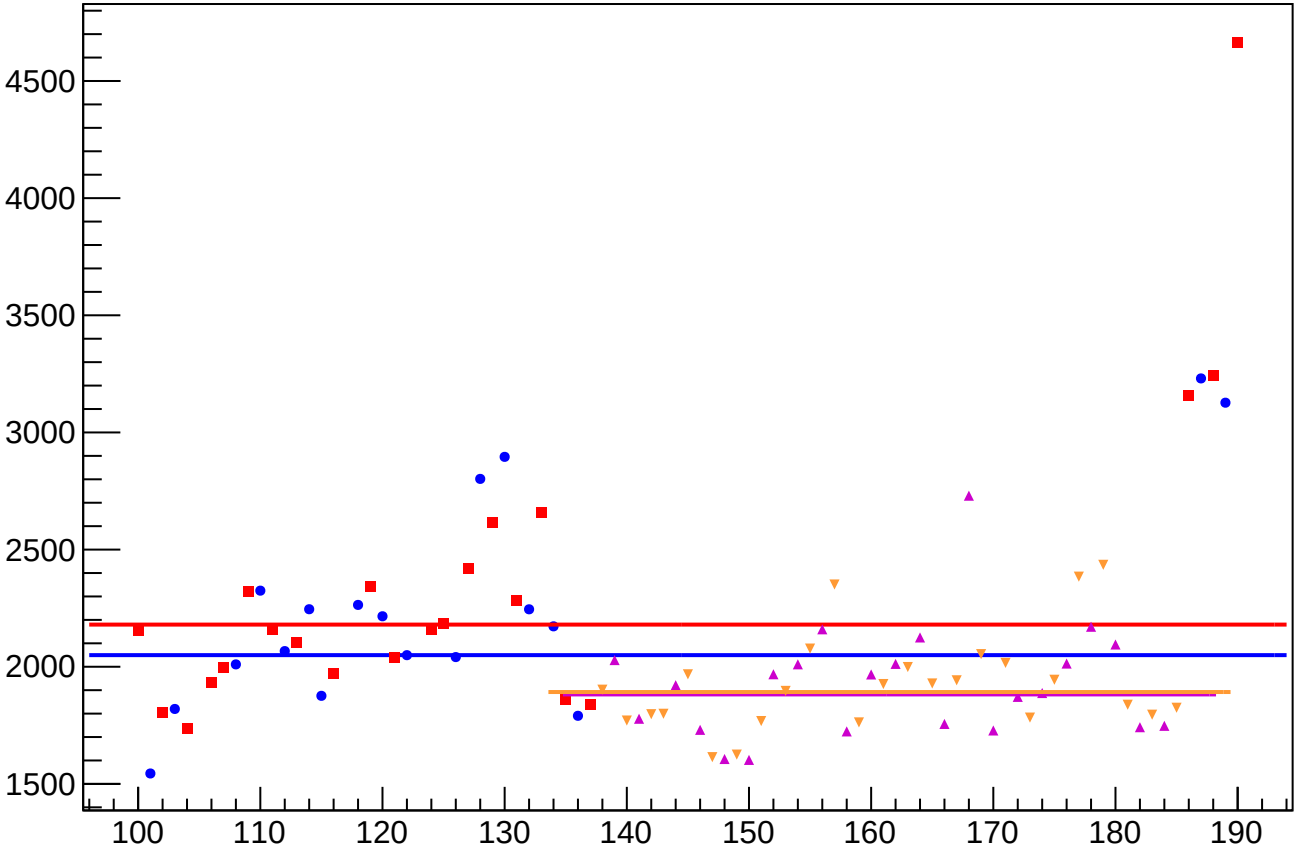
Right: 2841.235+/-522.121 χ^2/NDF: 32.0/39

In: 2474.609+/-380.356 χ^2/NDF:40.7/40

Out: 1861.253+/-373.158 χ^2/NDF:41.8/46

All: 2162.073+/-266.371 χ^2/NDF: 83.8/87

asym_usr_rms vs Slug, Sign Corrected



Right In: 2049.568+/-0.525 χ^2/NDF: 567873.9/17

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2179.909+/-0.520 χ^2/NDF: 737910.4/21

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

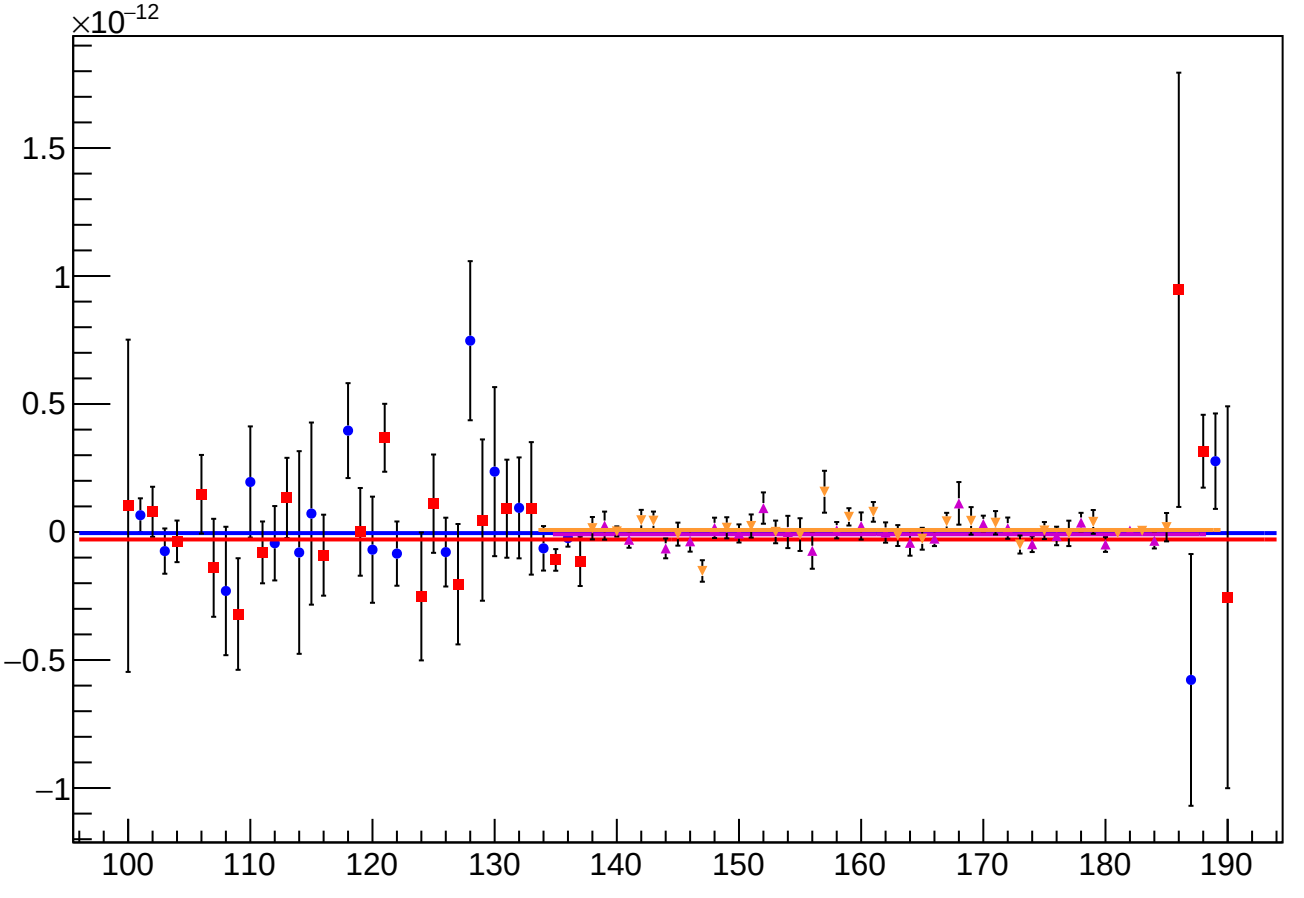
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2115.397+/-0.369 χ^2/NDF: 1336940.4/39

In: 1925.934+/-0.269 χ^2/NDF:1105809.6/40

Out: 1966.360+/-0.264 χ^2/NDF:1355276.4/46

All: 1946.533+/-0.188 χ^2/NDF: 2472598.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/21

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

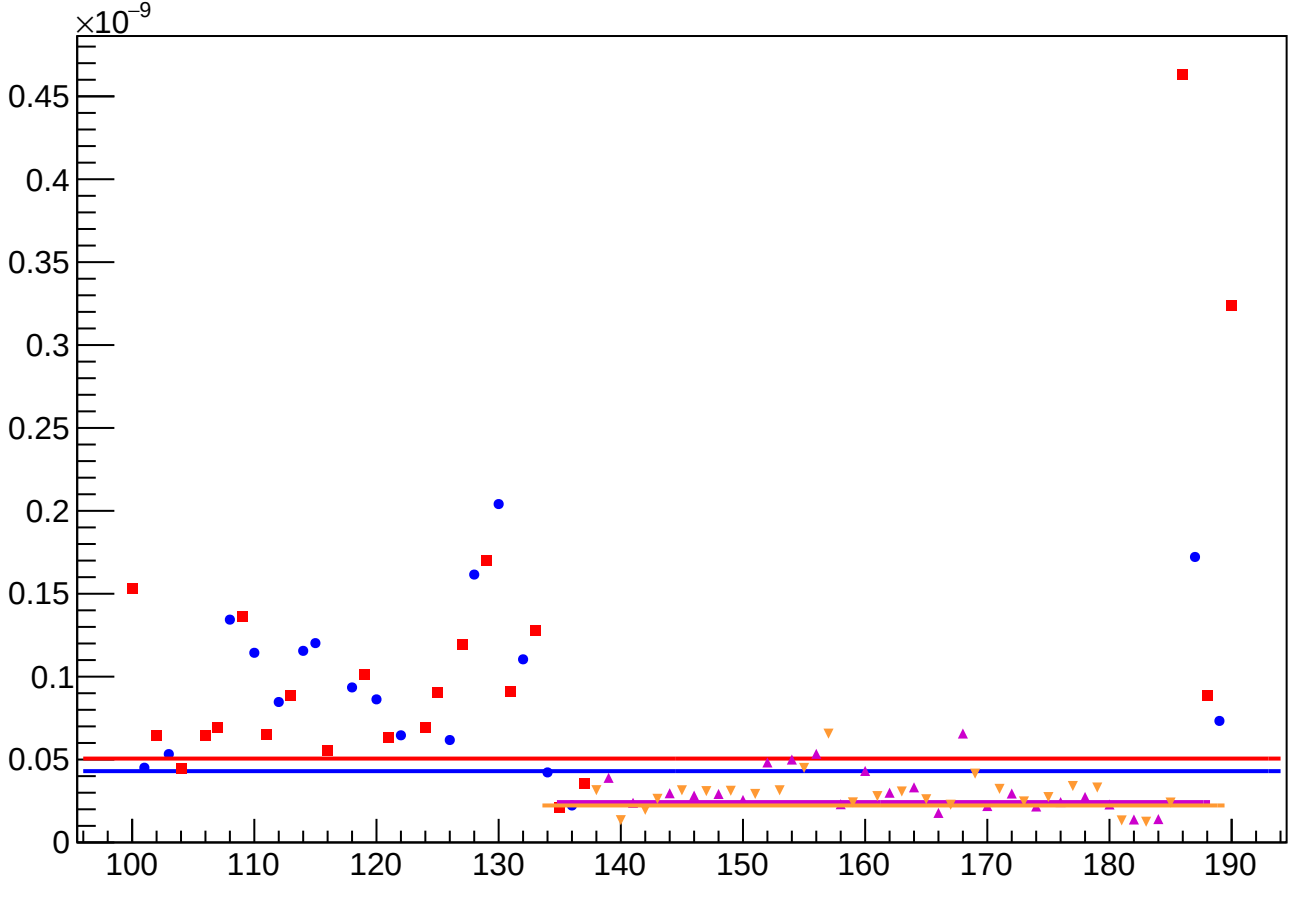
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/39

In: -0.000+/-0.000 χ^2/NDF:39.2/40

Out: 0.000+/-0.000 χ^2/NDF:63.5/46

All: -0.000+/-0.000 χ^2/NDF: 104.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 3126695.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3503109.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

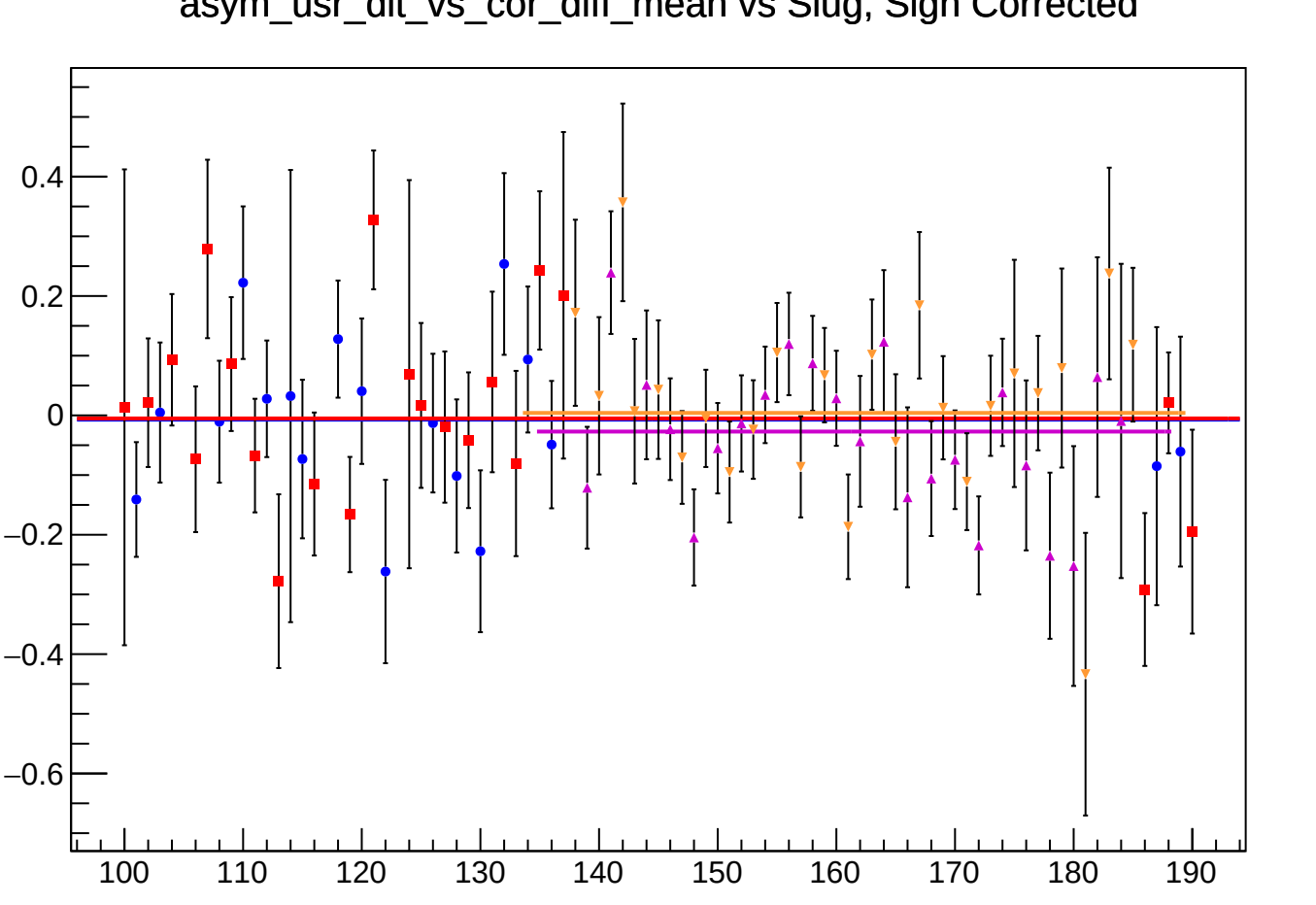
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6719448.0/39

In: 0.000+/-0.000 χ^2/NDF:7348343.3/40

Out: 0.000+/-0.000 χ^2/NDF:9264548.7/46

All: 0.000+/-0.000 χ^2/NDF: 16688940.4/87



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

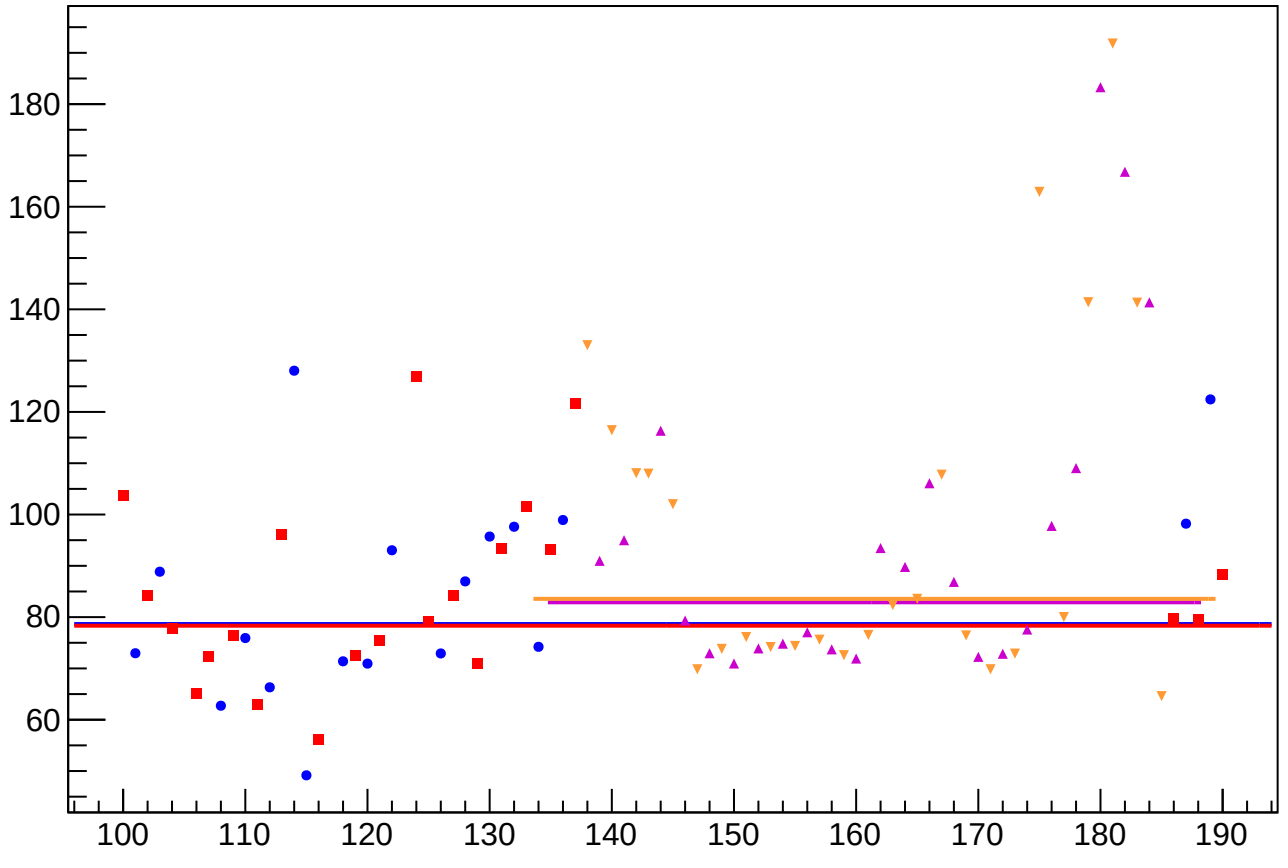
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.006+/-0.020 χ^2/NDF: 49.7/39

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.0/87



Right In: 78.651+/-0.021 χ^2/NDF: 541131.7/17

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.329+/-0.019 χ^2/NDF: 404572.0/21

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

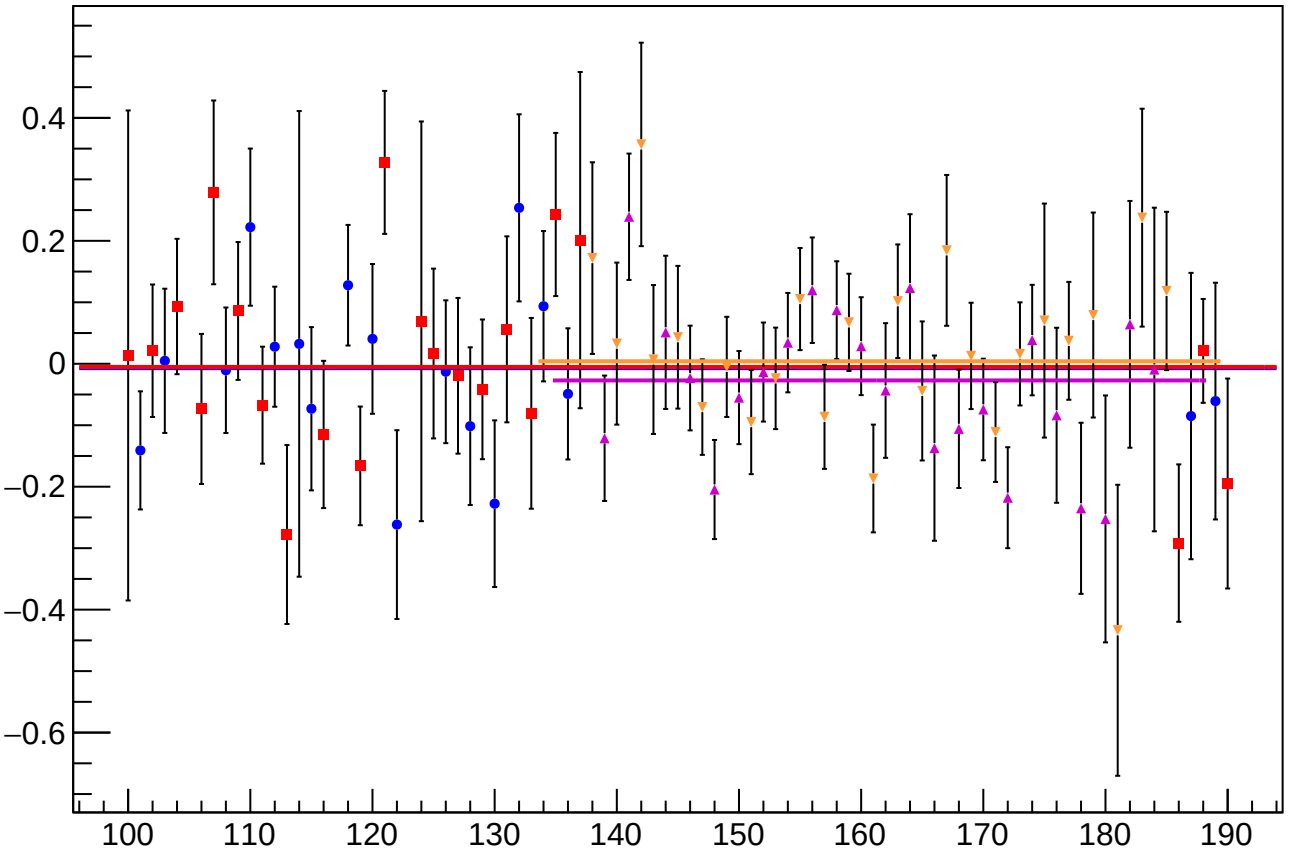
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 78.476+/-0.014 χ^2/NDF: 945833.2/39

In: 81.503+/-0.012 χ^2/NDF:2142007.9/40

Out: 81.677+/-0.011 χ^2/NDF:2625434.3/46

All: 81.593+/-0.008 χ^2/NDF: 4767553.8/87



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

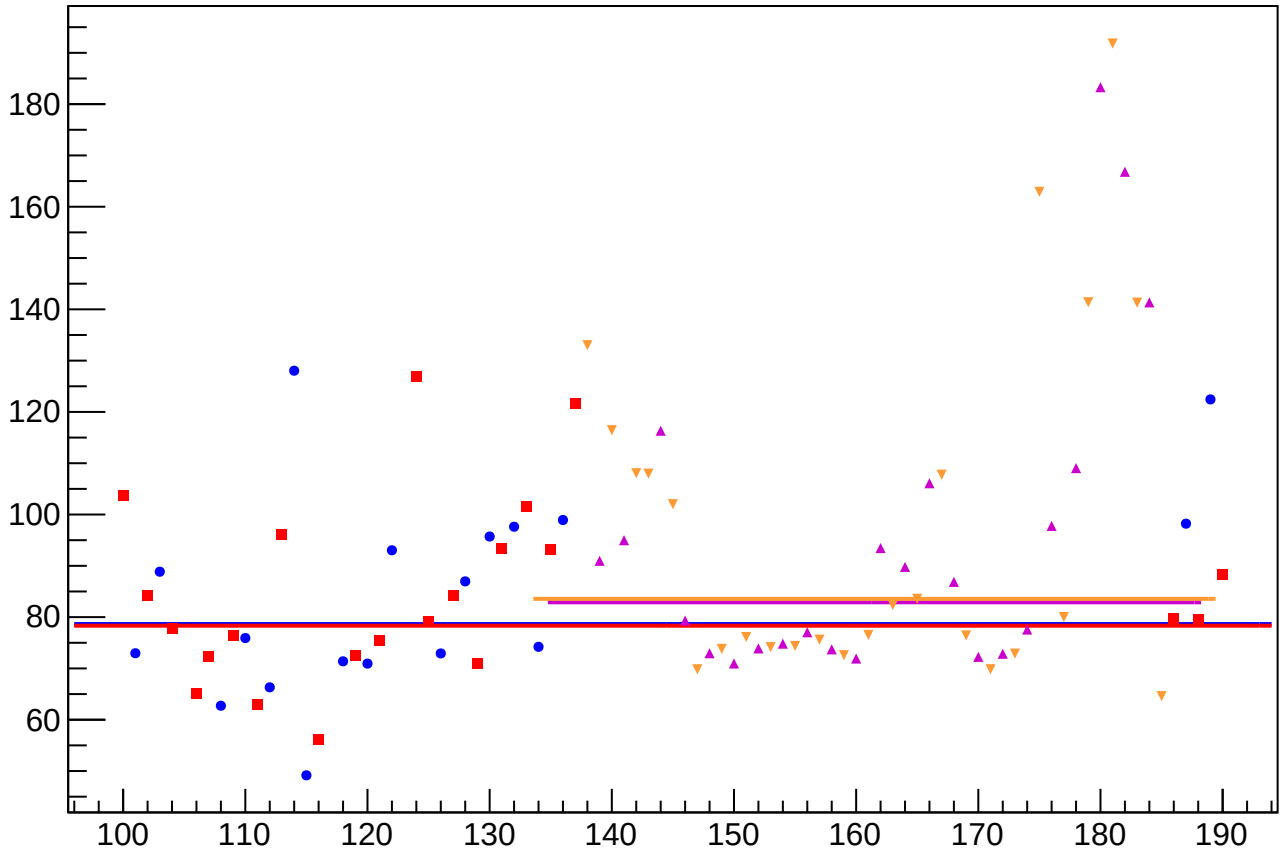
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.006+/-0.020 χ^2/NDF: 49.7/39

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.0/87



Right In: 78.651+/-0.021 χ^2/NDF: 541131.7/17

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.329+/-0.019 χ^2/NDF: 404572.0/21

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

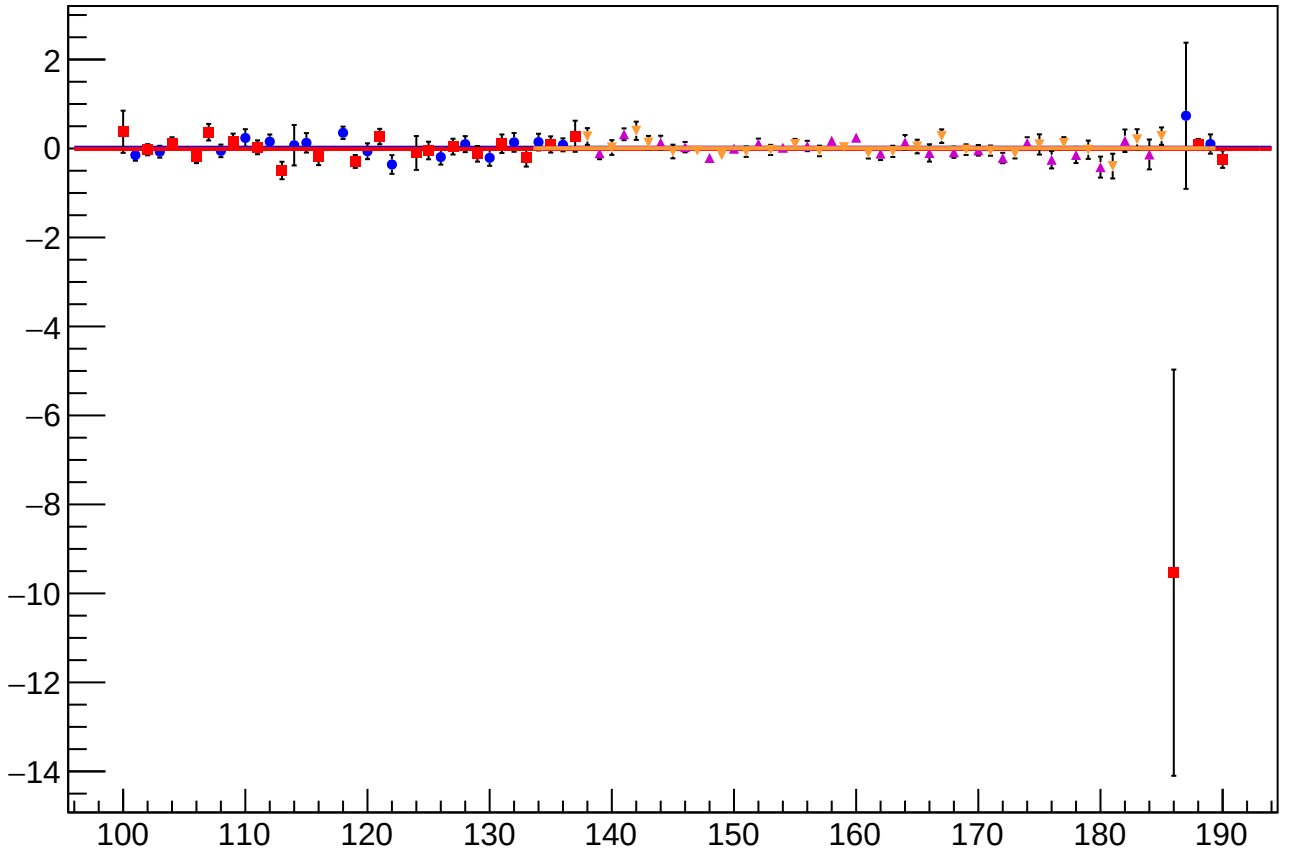
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 78.476+/-0.014 χ^2/NDF: 945833.2/39

In: 81.503+/-0.012 χ^2/NDF:2142007.9/40

Out: 81.677+/-0.011 χ^2/NDF:2625434.3/46

All: 81.593+/-0.008 χ^2/NDF: 4767553.8/87



Right In: 0.018+/-0.041 χ^2/NDF: 18.5/17

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.011+/-0.038 χ^2/NDF: 30.2/21

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

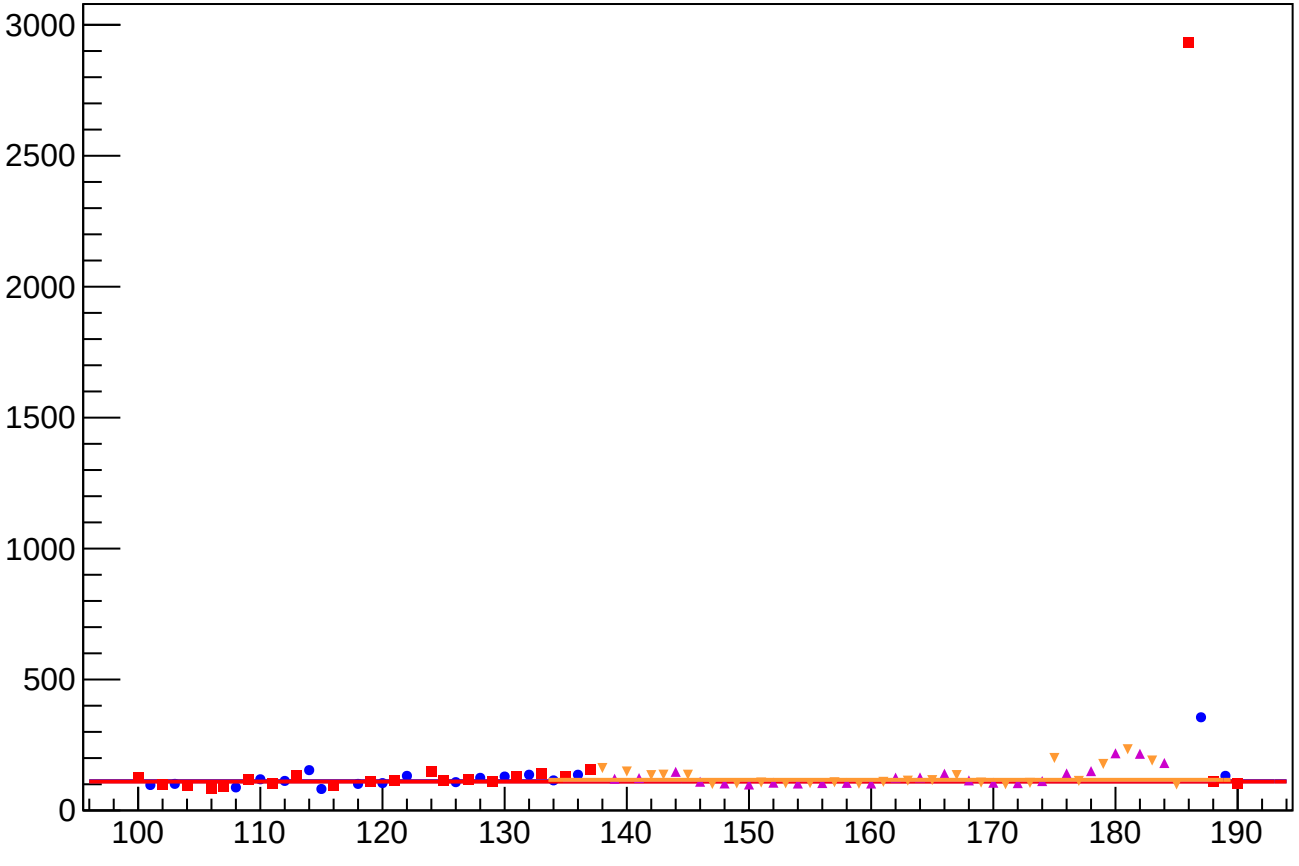
Right: 0.002+/-0.028 χ^2/NDF: 49.0/39

In: 0.012+/-0.023 χ^2/NDF:49.9/40

Out: 0.000+/-0.022 χ^2/NDF:51.6/46

All: 0.006+/-0.016 χ^2/NDF: 101.6/87

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.656+/-0.029 χ^2/NDF: 363002.7/17

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.315+/-0.027 χ^2/NDF: 1094392.0/21

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

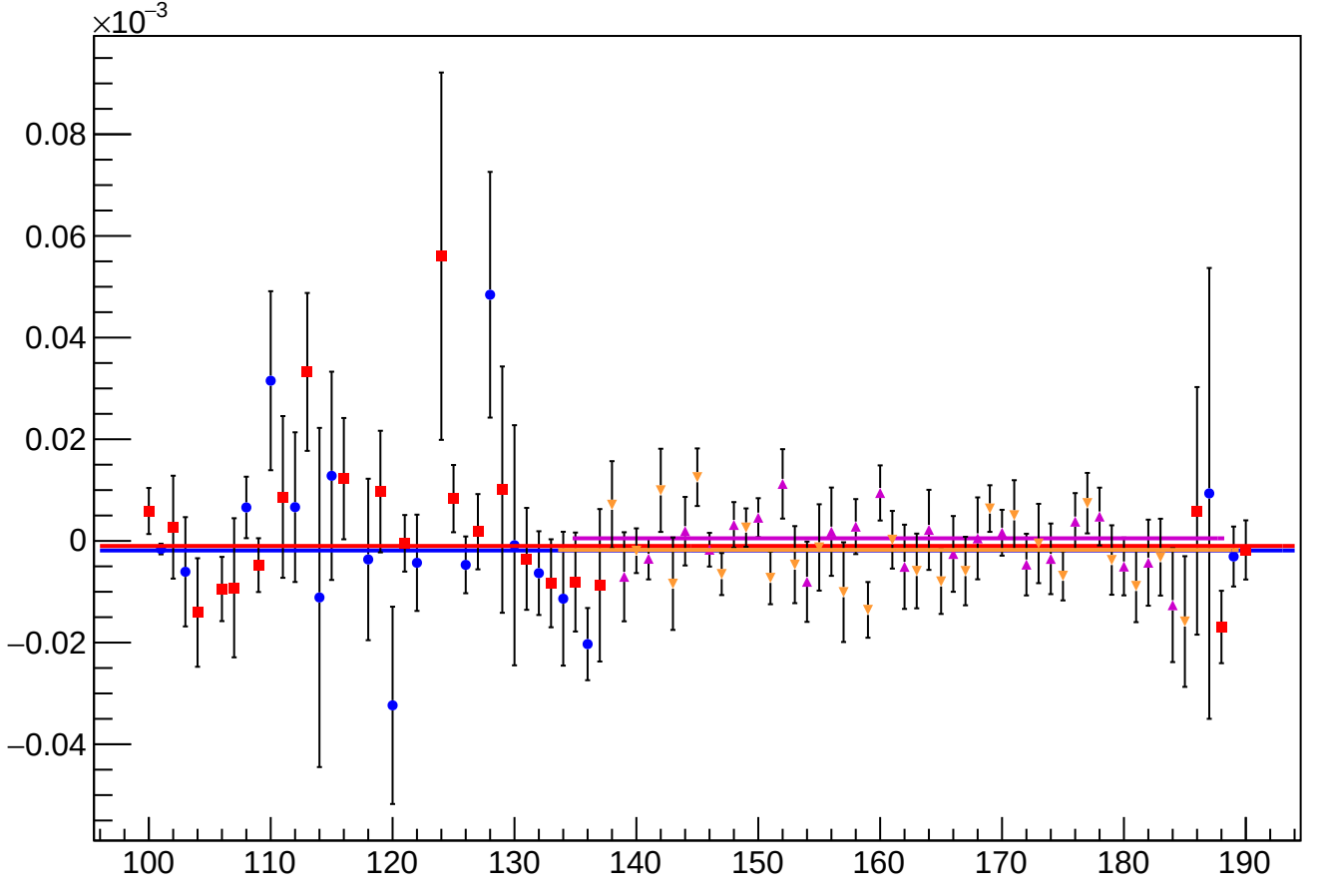
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 110.934+/-0.020 χ^2/NDF: 1458519.3/39

In: 114.532+/-0.016 χ^2/NDF:1608436.1/40

Out: 114.626+/-0.016 χ^2/NDF:2729710.9/46

All: 114.581+/-0.011 χ^2/NDF: 4338164.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/21

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

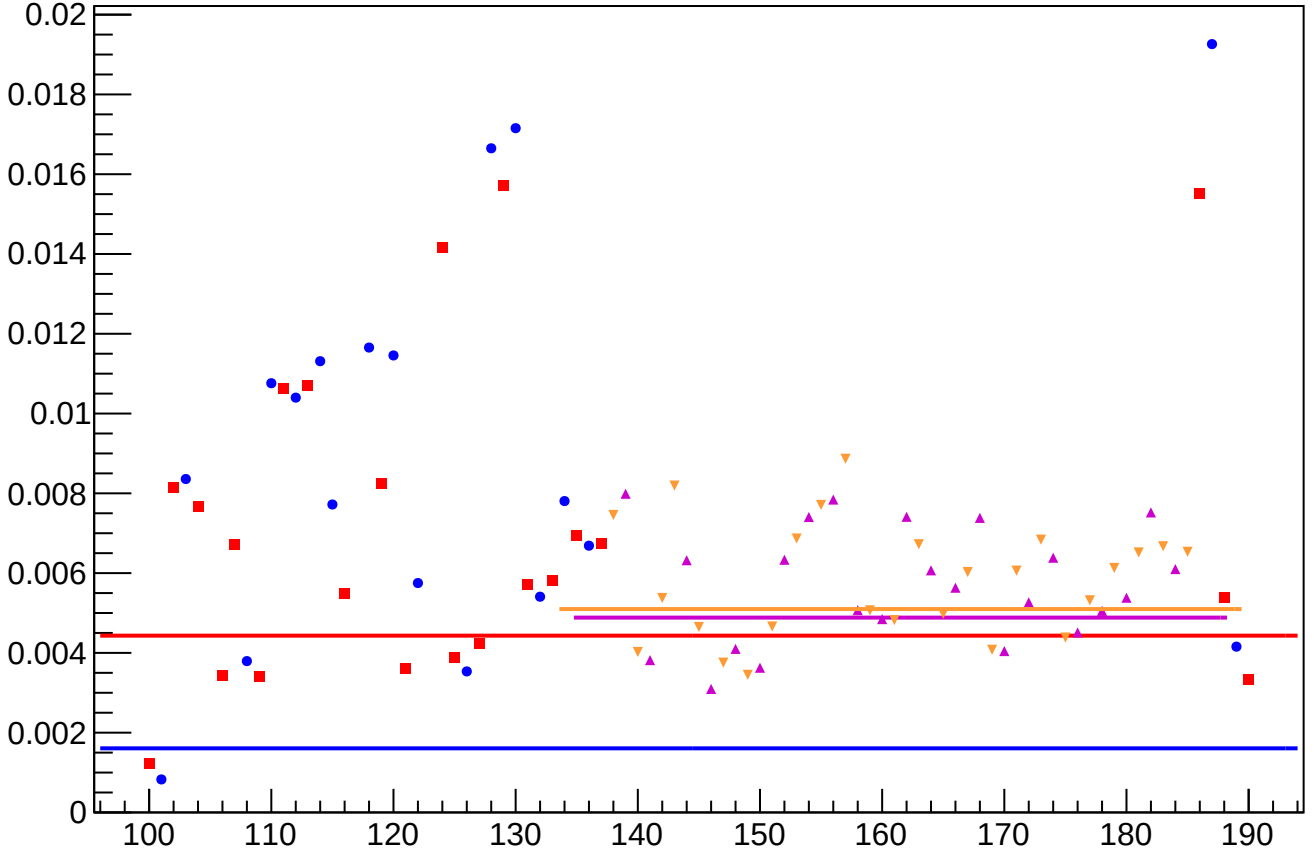
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/39

In: -0.000+/-0.000 χ^2/NDF:39.5/40

Out: -0.000+/-0.000 χ^2/NDF:56.6/46

All: -0.000+/-0.000 χ^2/NDF: 96.3/87



Right In: 0.002+/-0.000 χ^2/NDF: 9926675.3/17

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3908687.8/21

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

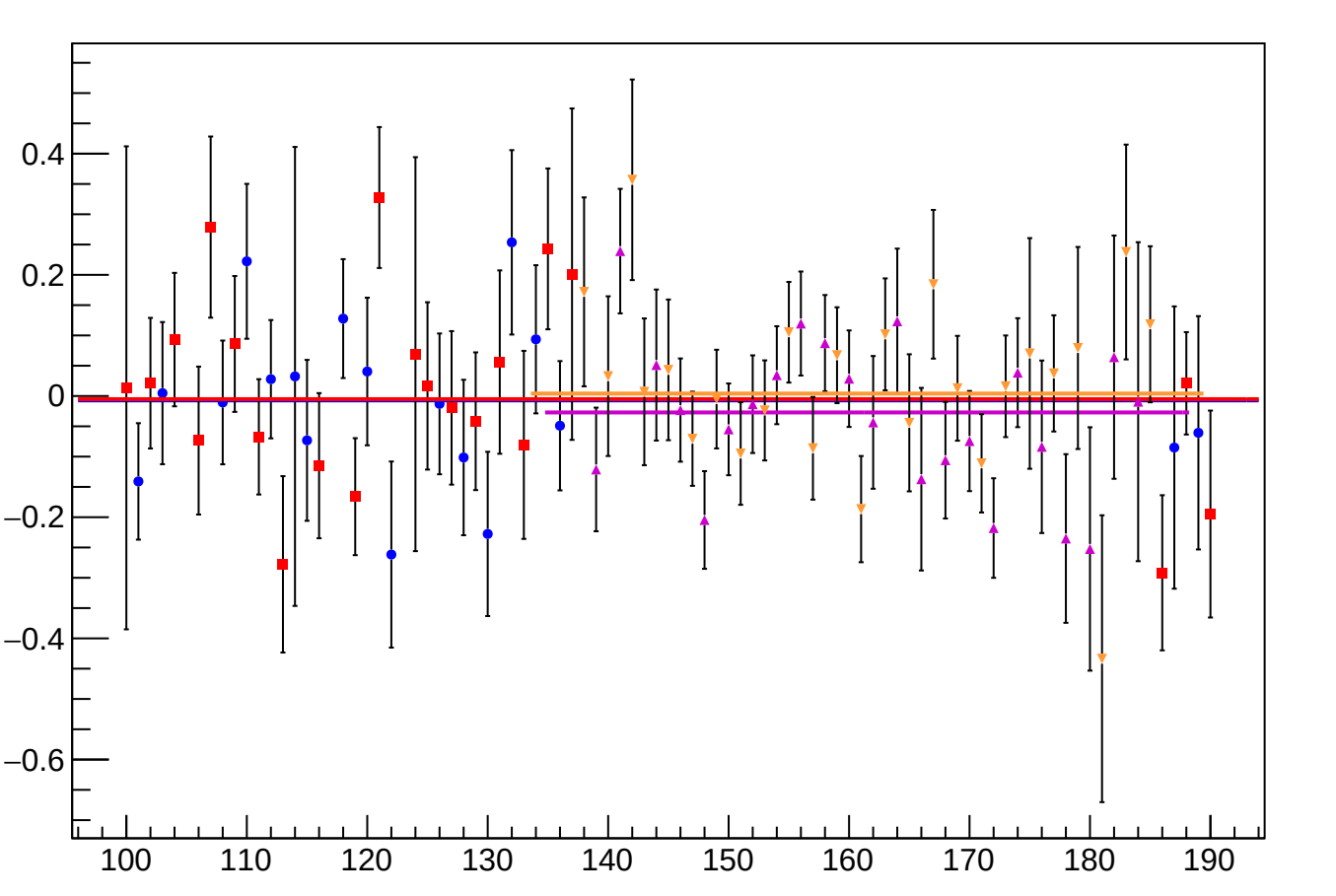
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 17784392.4/39

In: 0.003+/-0.000 χ^2/NDF:21794878.4/40

Out: 0.005+/-0.000 χ^2/NDF:6481067.6/46

All: 0.004+/-0.000 χ^2/NDF: 33376337.8/87



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

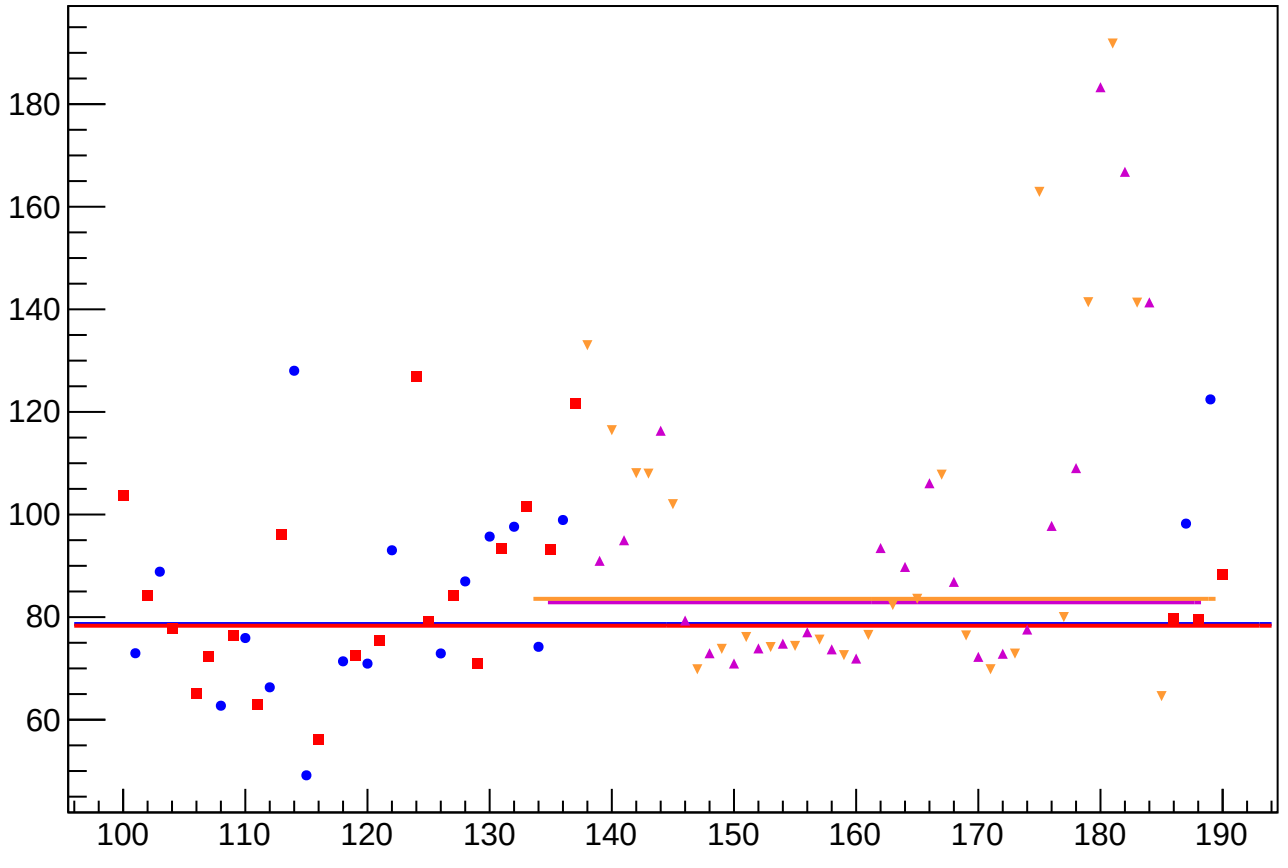
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.006+/-0.020 χ^2/NDF: 49.7/39

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.0/87



Right In: 78.649+/-0.021 χ^2/NDF: 541145.1/17

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.328+/-0.019 χ^2/NDF: 404572.4/21

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

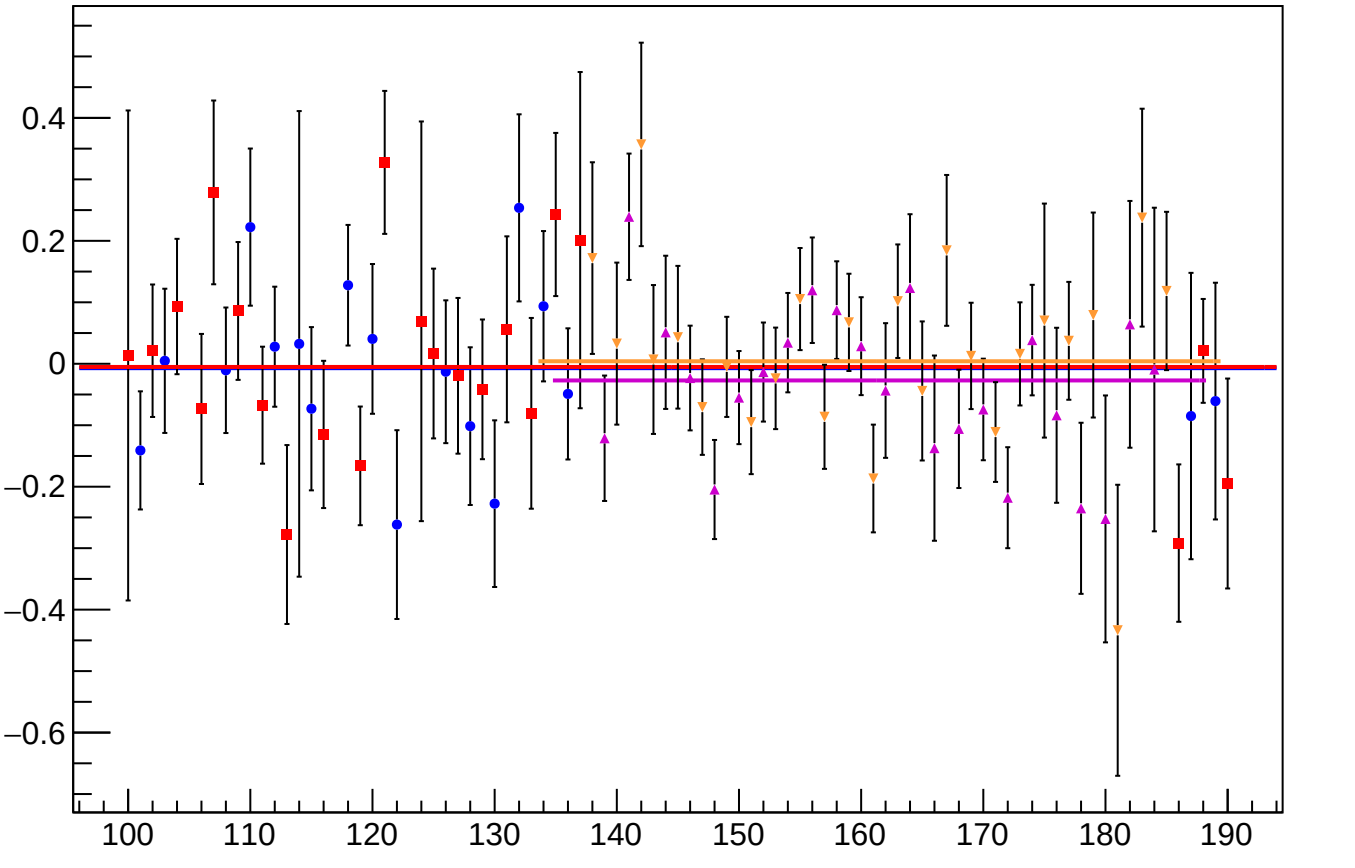
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 78.475+/-0.014 χ^2/NDF: 945847.0/39

In: 81.502+/-0.012 χ^2/NDF:2142025.1/40

Out: 81.677+/-0.011 χ^2/NDF:2625462.6/46

All: 81.593+/-0.008 χ^2/NDF: 4767599.3/87



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

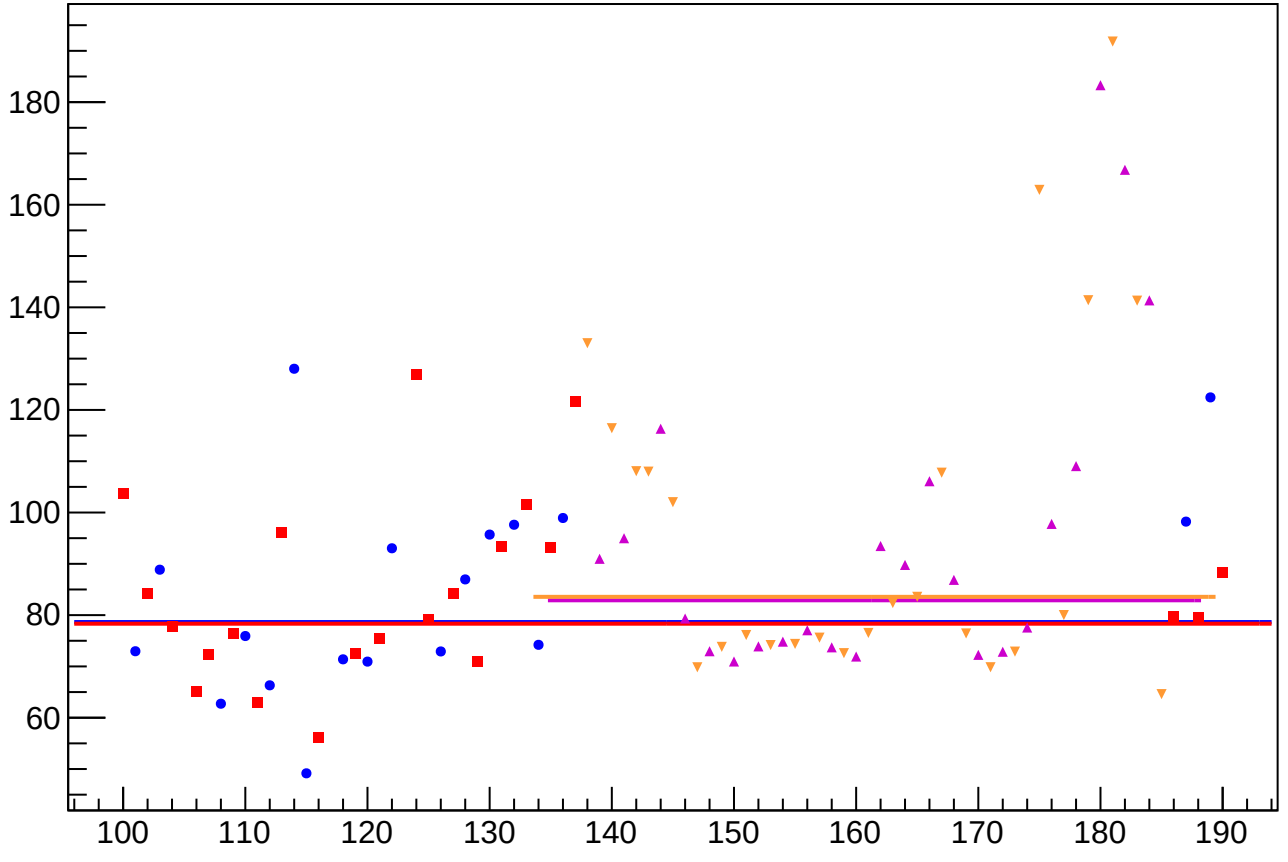
Right: -0.006+/-0.020 χ^2/NDF: 49.7/39

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.0/87

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.649+/-0.021 χ^2/NDF: 541145.1/17

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.328+/-0.019 χ^2/NDF: 404572.4/21

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

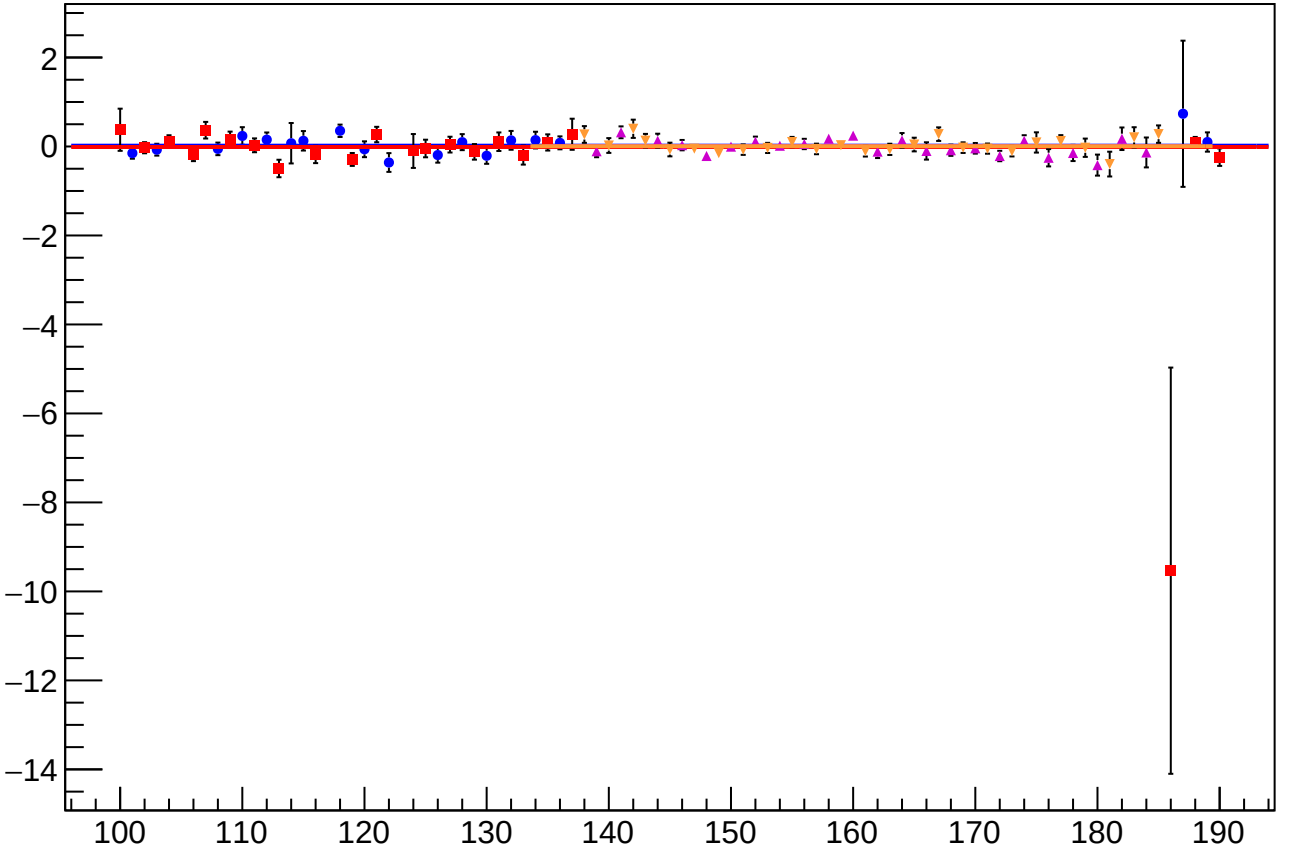
Right: 78.475+/-0.014 χ^2/NDF: 945847.0/39

In: 81.502+/-0.012 χ^2/NDF:2142025.1/40

Out: 81.677+/-0.011 χ^2/NDF:2625462.6/46

All: 81.593+/-0.008 χ^2/NDF: 4767599.3/87

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.041 χ^2/NDF: 18.5/17

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.011+/-0.038 χ^2/NDF: 30.2/21

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

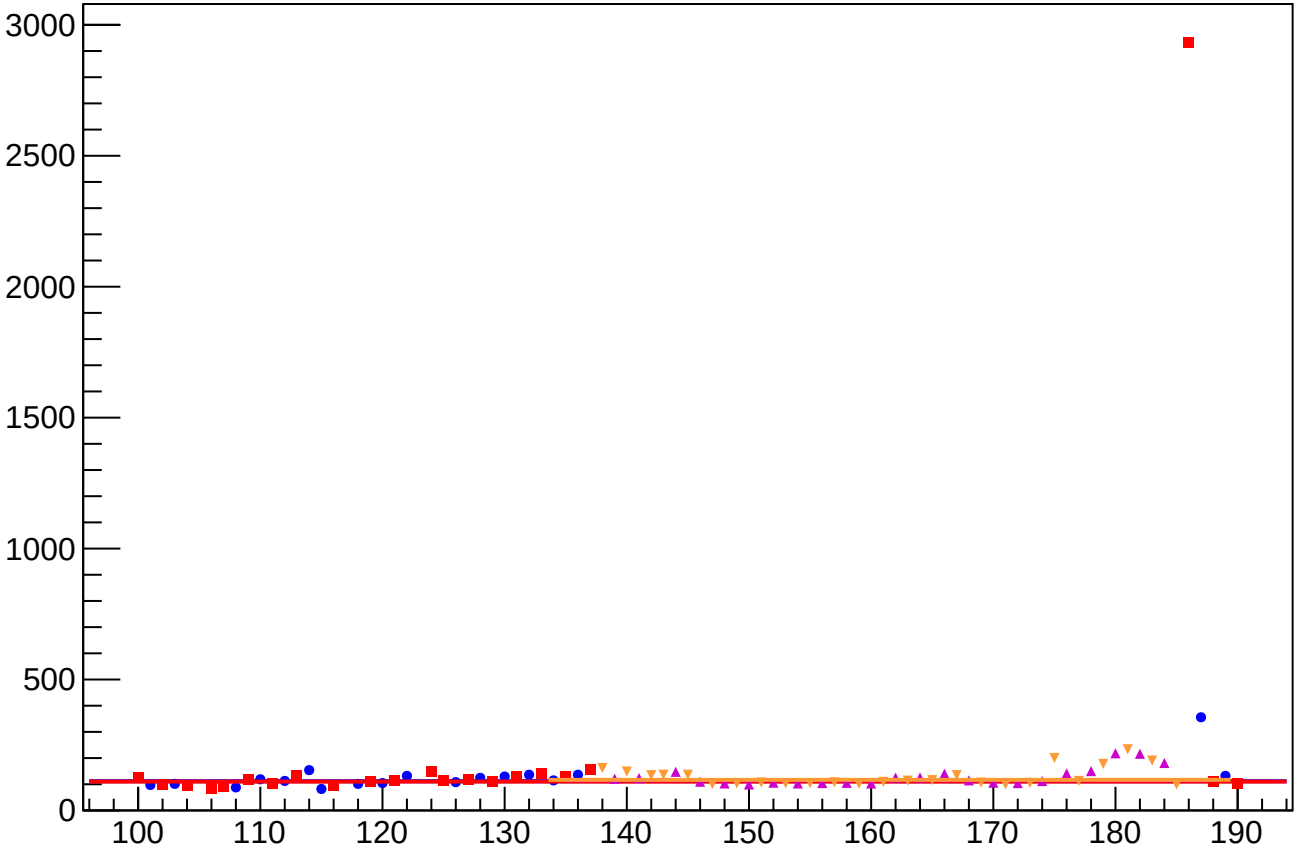
Right: 0.002+/-0.028 χ^2/NDF: 49.0/39

In: 0.012+/-0.023 χ^2/NDF:49.9/40

Out: 0.000+/-0.022 χ^2/NDF:51.6/46

All: 0.006+/-0.016 χ^2/NDF: 101.6/87

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.655+/-0.029 χ^2/NDF: 362980.8/17

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 110.315+/-0.027 χ^2/NDF: 1094362.9/21

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

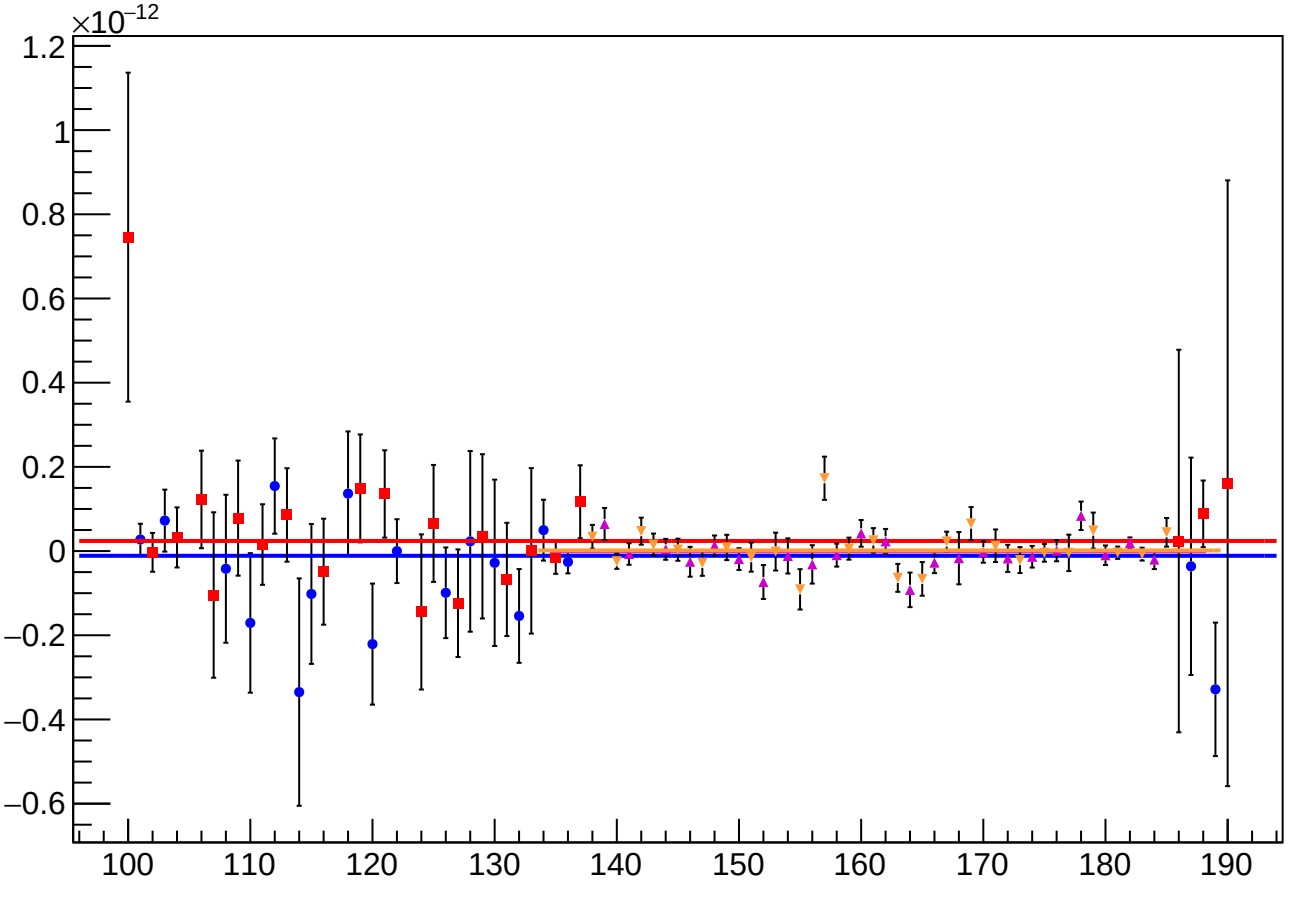
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 110.933+/-0.020 χ^2/NDF: 1458467.9/39

In: 114.531+/-0.016 χ^2/NDF:1608412.2/40

Out: 114.627+/-0.016 χ^2/NDF:2729688.4/46

All: 114.581+/-0.011 χ^2/NDF: 4338117.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/21

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

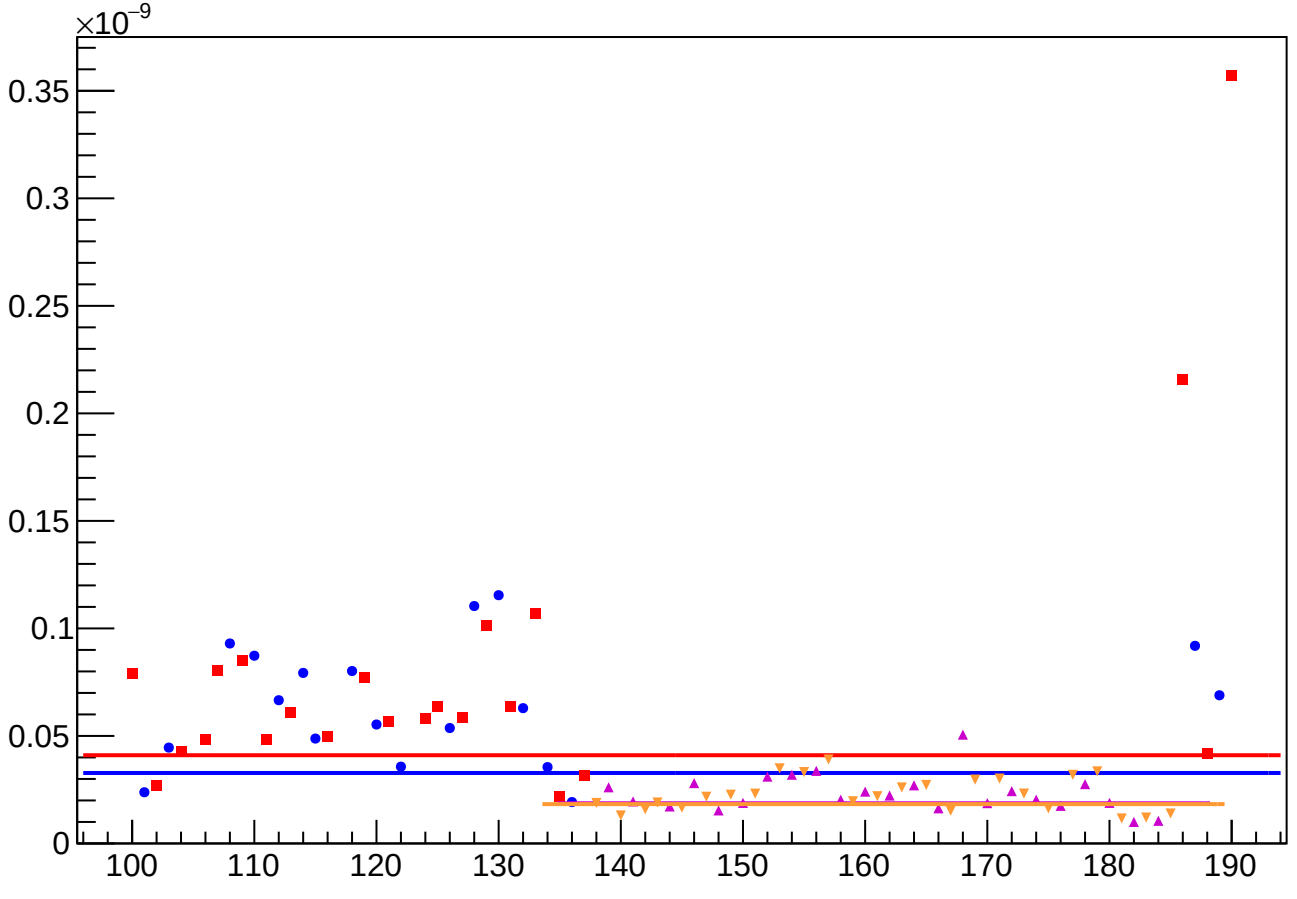
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 32.7/39

In: -0.000+/-0.000 χ^2/NDF:44.7/40

Out: 0.000+/-0.000 χ^2/NDF:51.1/46

All: 0.000+/-0.000 χ^2/NDF: 96.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 2671617.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2550374.3/21

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

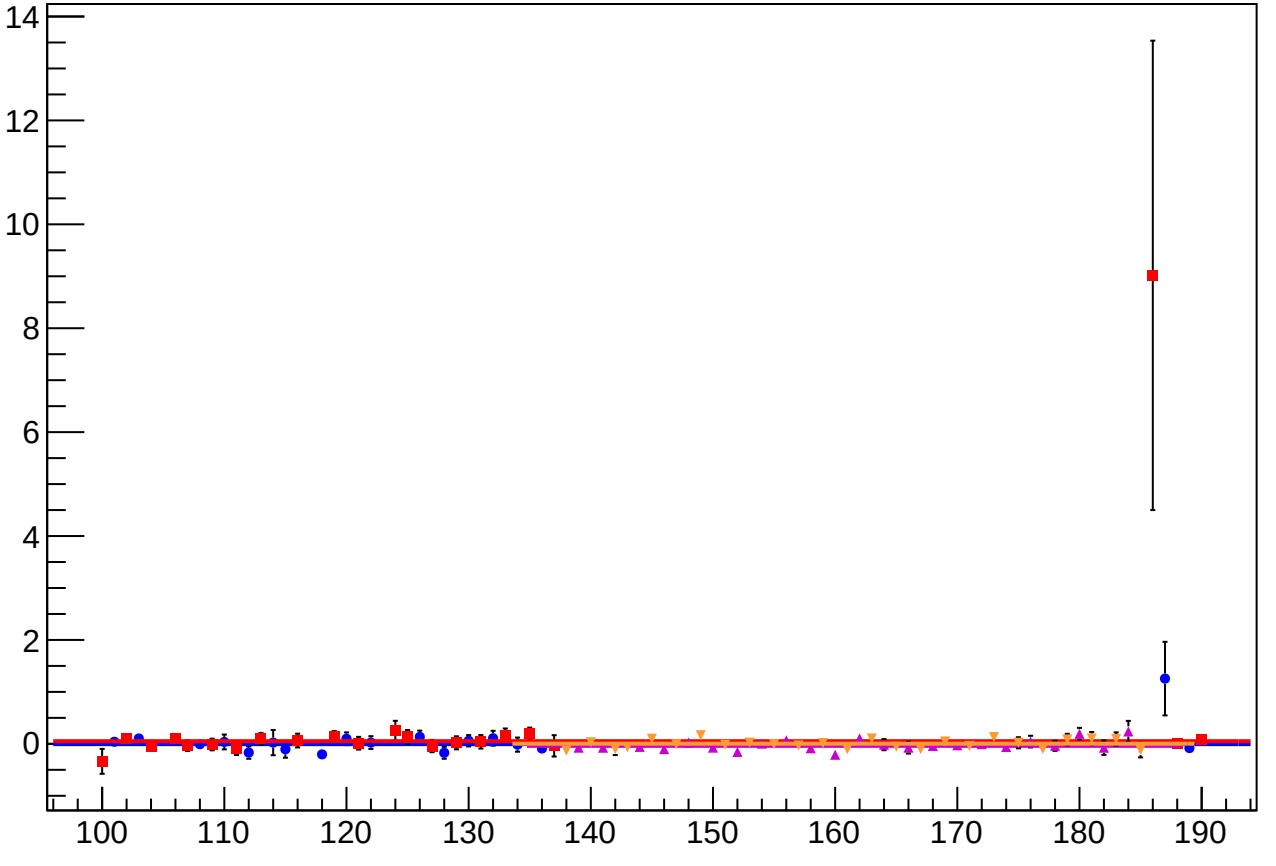
Right: 0.000+/-0.000 χ^2/NDF: 5408500.4/39

In: 0.000+/-0.000 χ^2/NDF:6723578.8/40

Out: 0.000+/-0.000 χ^2/NDF:7905613.0/46

All: 0.000+/-0.000 χ^2/NDF: 14630406.7/87

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.024 χ^2/NDF: 21.3/17

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.051+/-0.022 χ^2/NDF: 19.4/21

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

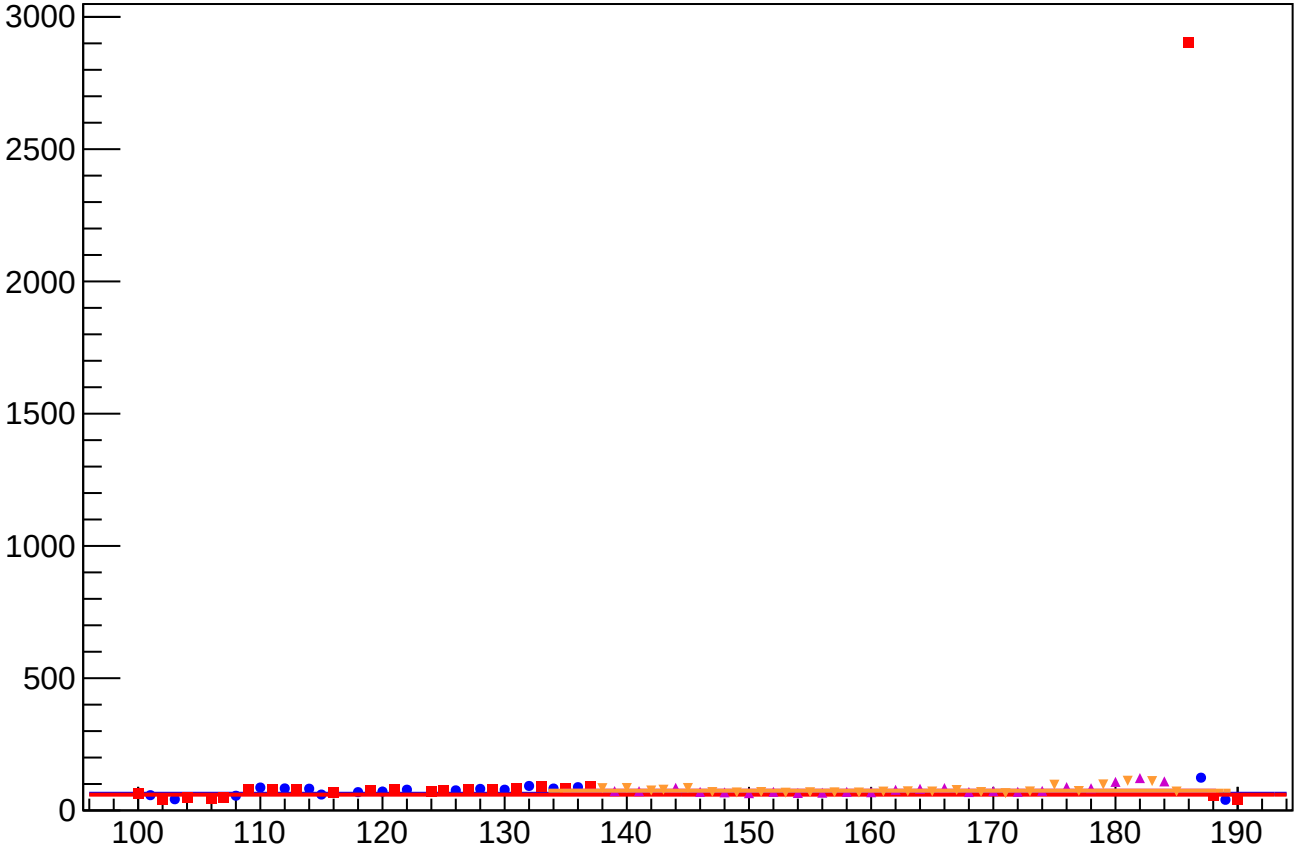
Right: 0.026+/-0.016 χ^2/NDF: 43.8/39

In: -0.027+/-0.014 χ^2/NDF:44.1/40

Out: 0.022+/-0.014 χ^2/NDF:43.9/46

All: -0.001+/-0.010 χ^2/NDF: 94.1/87

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.080+/-0.017 χ^2/NDF: 1125622.4/17

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 59.763+/-0.015 χ^2/NDF: 2087154.8/21

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

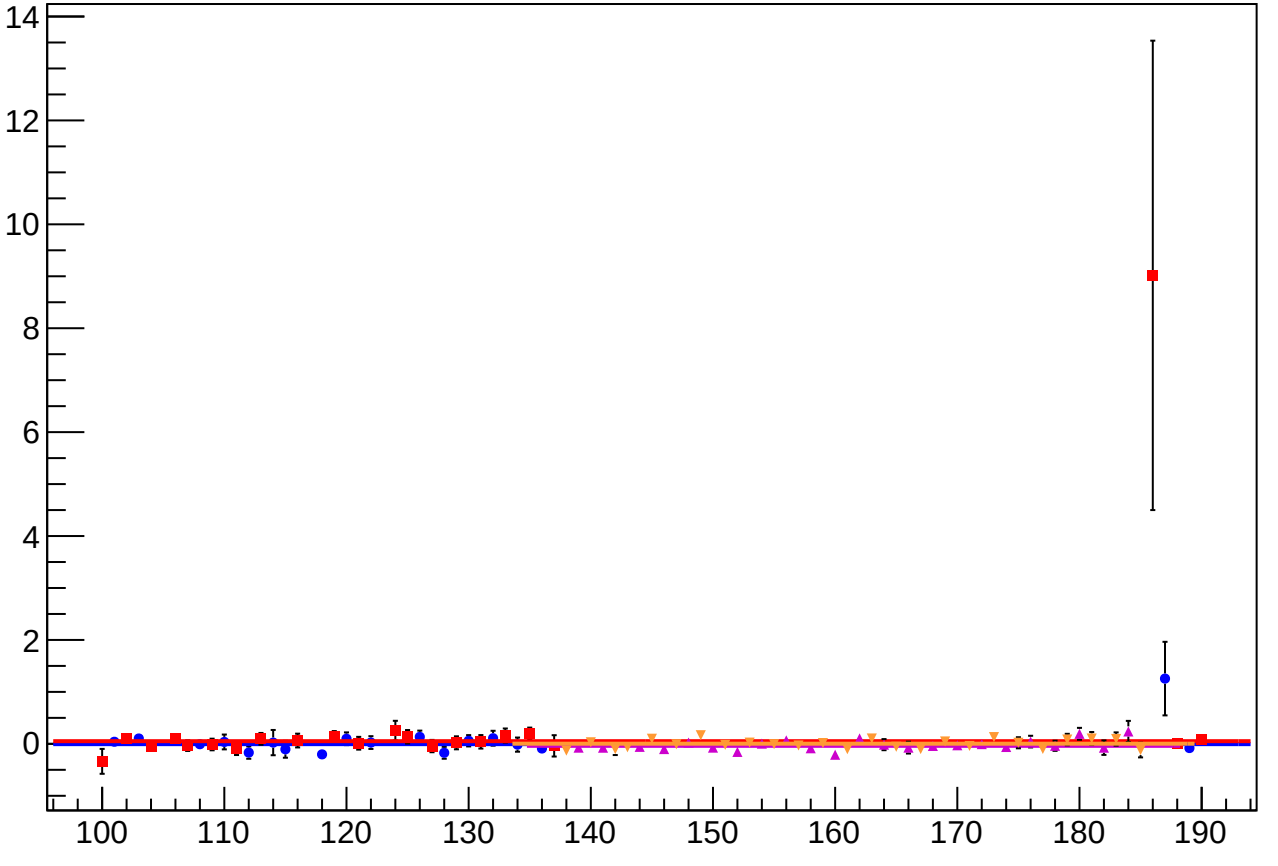
Right: 61.246+/-0.011 χ^2/NDF: 3233903.4/39

In: 70.489+/-0.010 χ^2/NDF:2135869.3/40

Out: 68.835+/-0.010 χ^2/NDF:3415226.7/46

All: 69.616+/-0.007 χ^2/NDF: 5565145.1/87

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.024 χ^2/NDF: 21.3/17

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.051+/-0.022 χ^2/NDF: 19.4/21

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

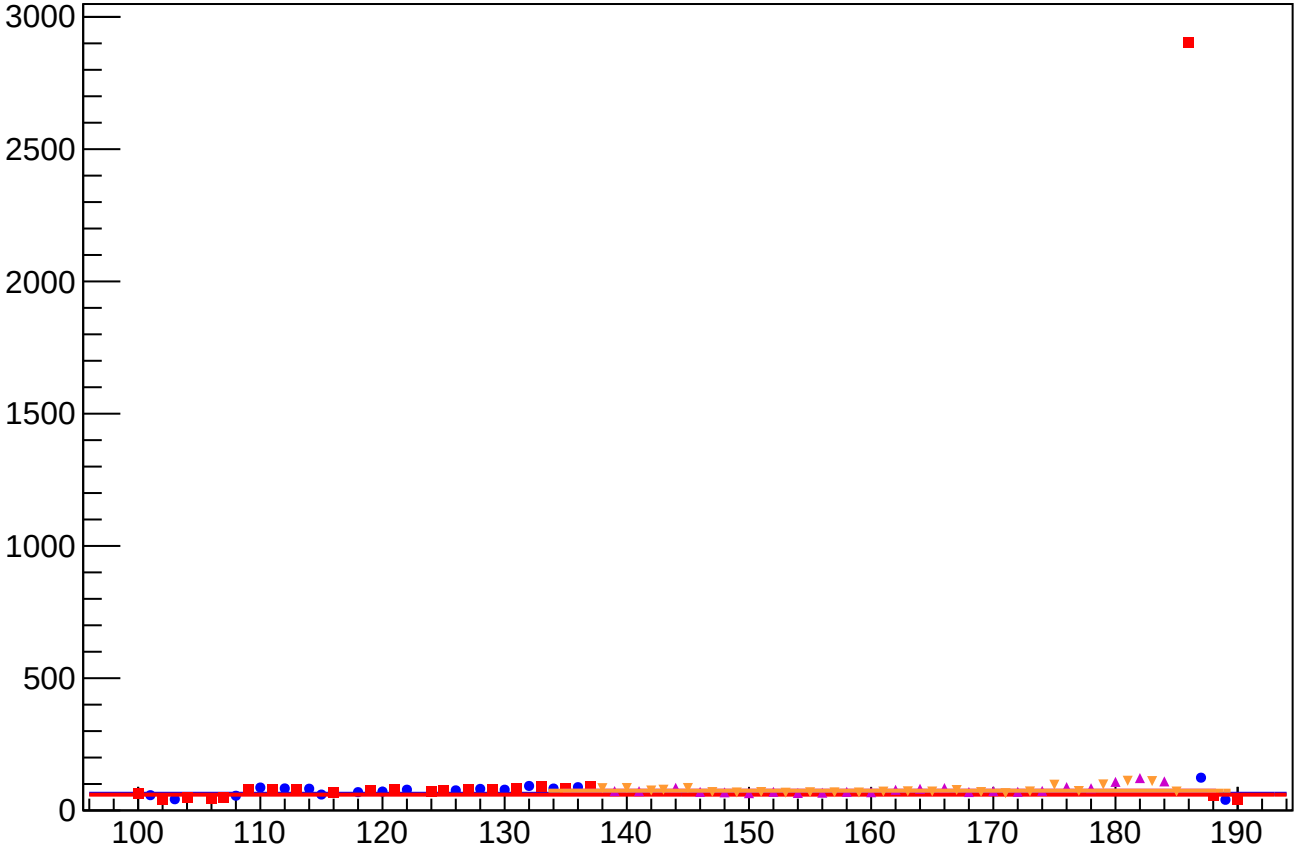
Right: 0.026+/-0.016 χ^2/NDF: 43.8/39

In: -0.027+/-0.014 χ^2/NDF:44.1/40

Out: 0.022+/-0.014 χ^2/NDF:43.9/46

All: -0.001+/-0.010 χ^2/NDF: 94.1/87

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.080+/-0.017 χ^2/NDF: 1125622.4/17

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 59.763+/-0.015 χ^2/NDF: 2087154.8/21

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

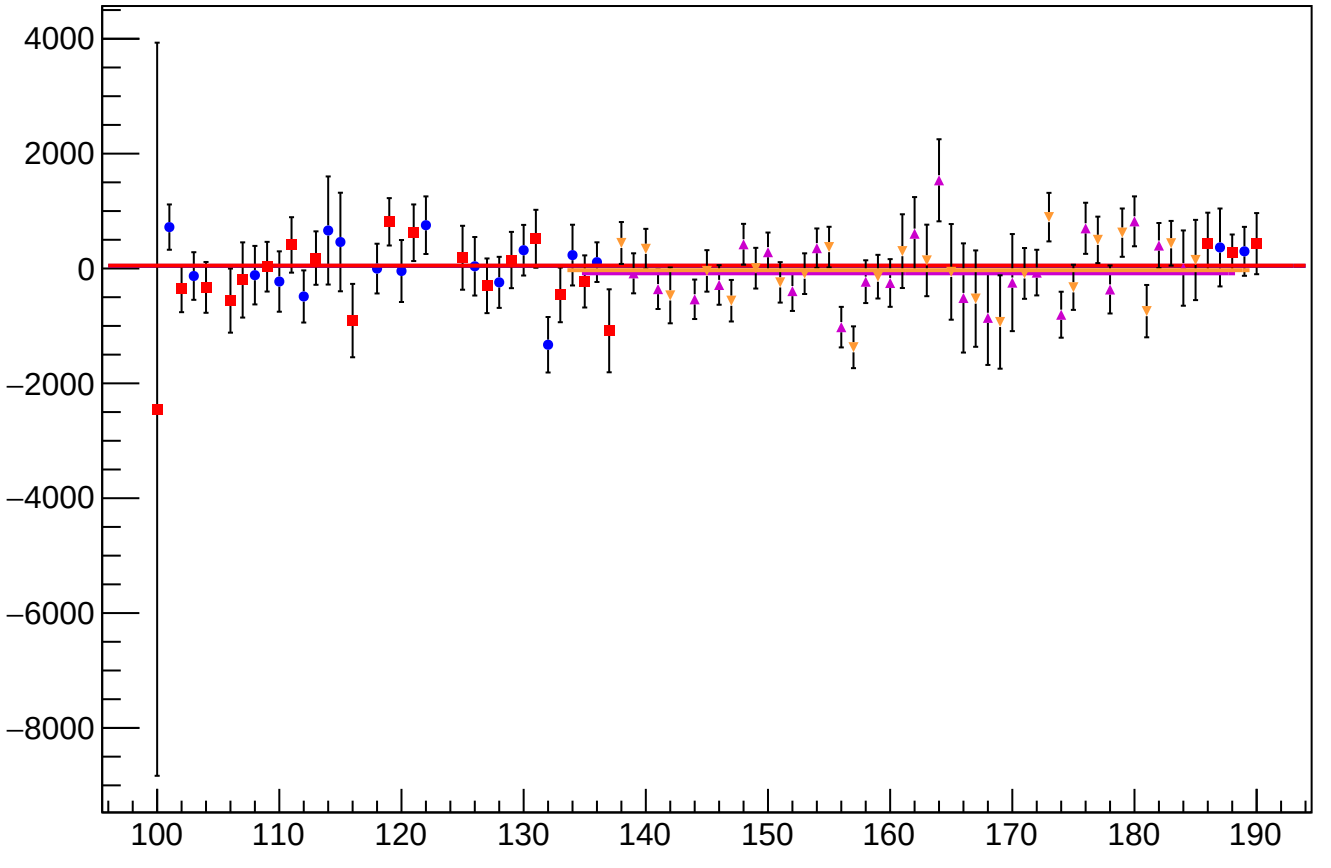
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 61.246+/-0.011 χ^2/NDF: 3233903.4/39

In: 70.489+/-0.010 χ^2/NDF:2135869.3/40

Out: 68.835+/-0.010 χ^2/NDF:3415226.7/46

All: 69.616+/-0.007 χ^2/NDF: 5565145.1/87



Right In: 45.385+/-113.378 χ^2/NDF: 17.2/17

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 49.887+/-106.820 χ^2/NDF: 17.9/20

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

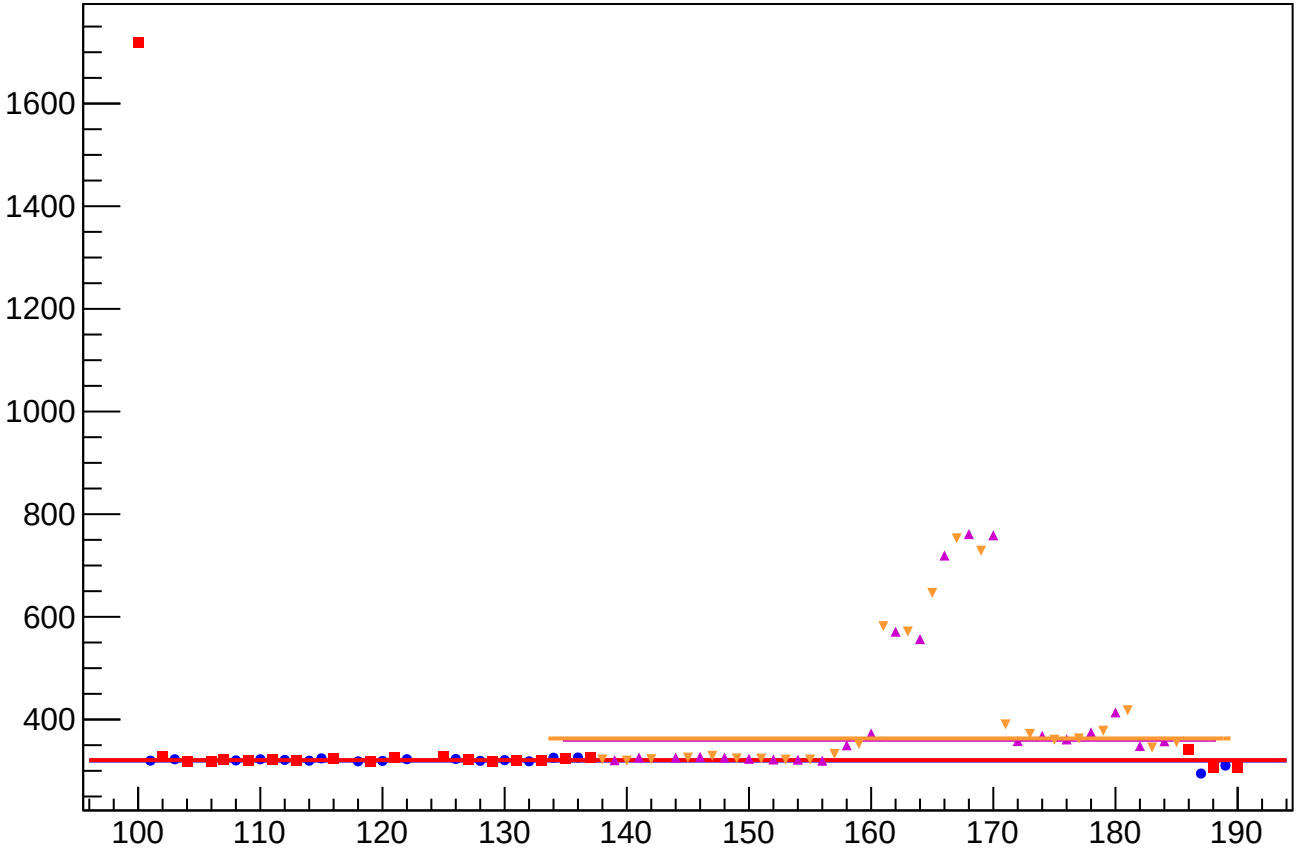
Right: 47.770+/-77.748 χ^2/NDF: 35.1/38

In: -36.237+/-68.759 χ^2/NDF:53.8/40

Out: 2.046+/-67.237 χ^2/NDF:54.8/44

All: -16.667+/-48.073 χ^2/NDF: 108.8/85

asym_dsl_rms vs Slug, Sign Corrected



Right In: 320.046+/-0.080 χ^2/NDF: 5018.7/17

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 320.807+/-0.076 χ^2/NDF: 105691.3/20

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

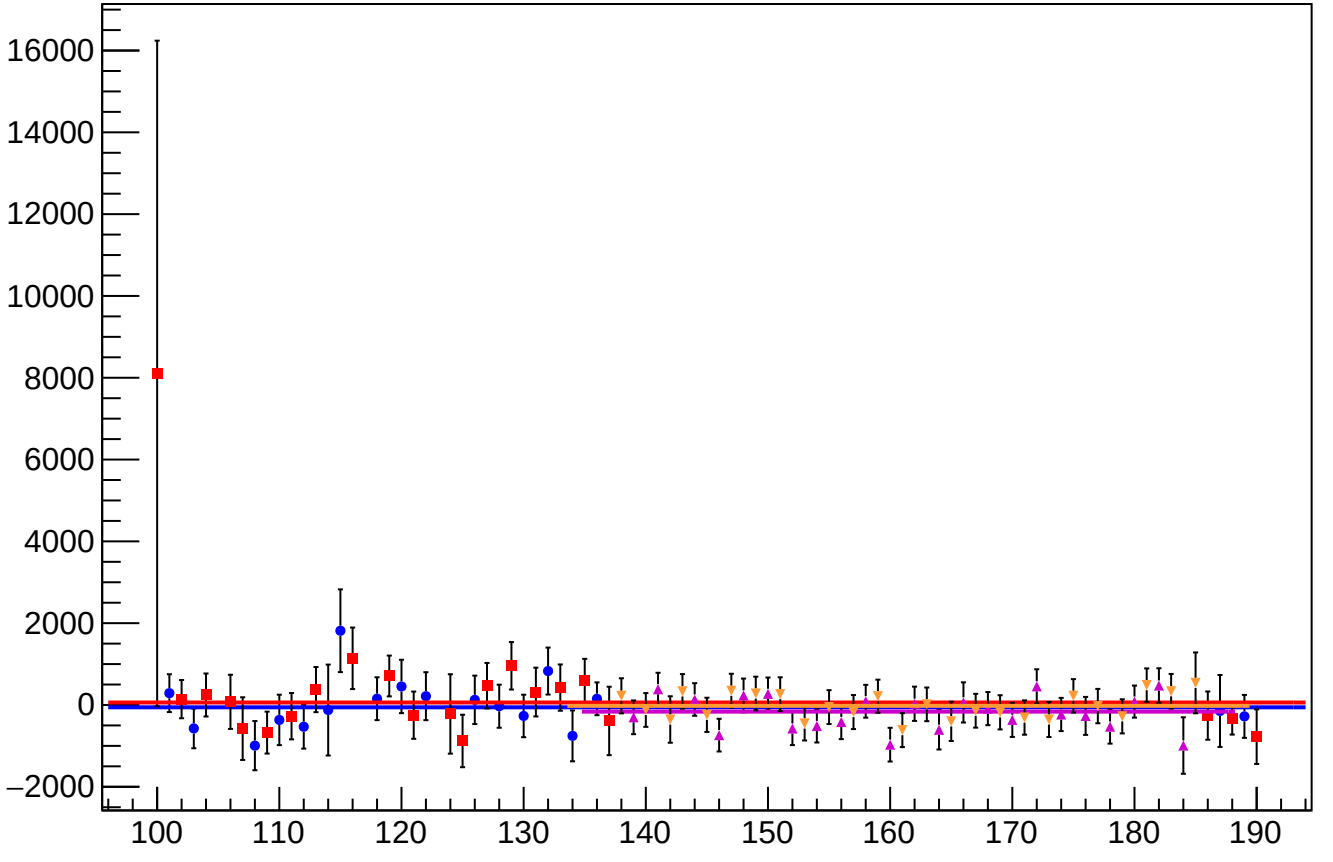
Right: 320.449+/-0.055 χ^2/NDF: 110757.6/38

In: 345.676+/-0.049 χ^2/NDF:1984364.2/40

Out: 346.331+/-0.048 χ^2/NDF:2090375.2/44

All: 346.010+/-0.034 χ^2/NDF: 4074832.2/85

asym_dsr_mean vs Slug, Sign Corrected



Right In: -57.109+/-134.327 χ^2/NDF: 13.9/17

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 60.649+/-125.520 χ^2/NDF: 18.6/21

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

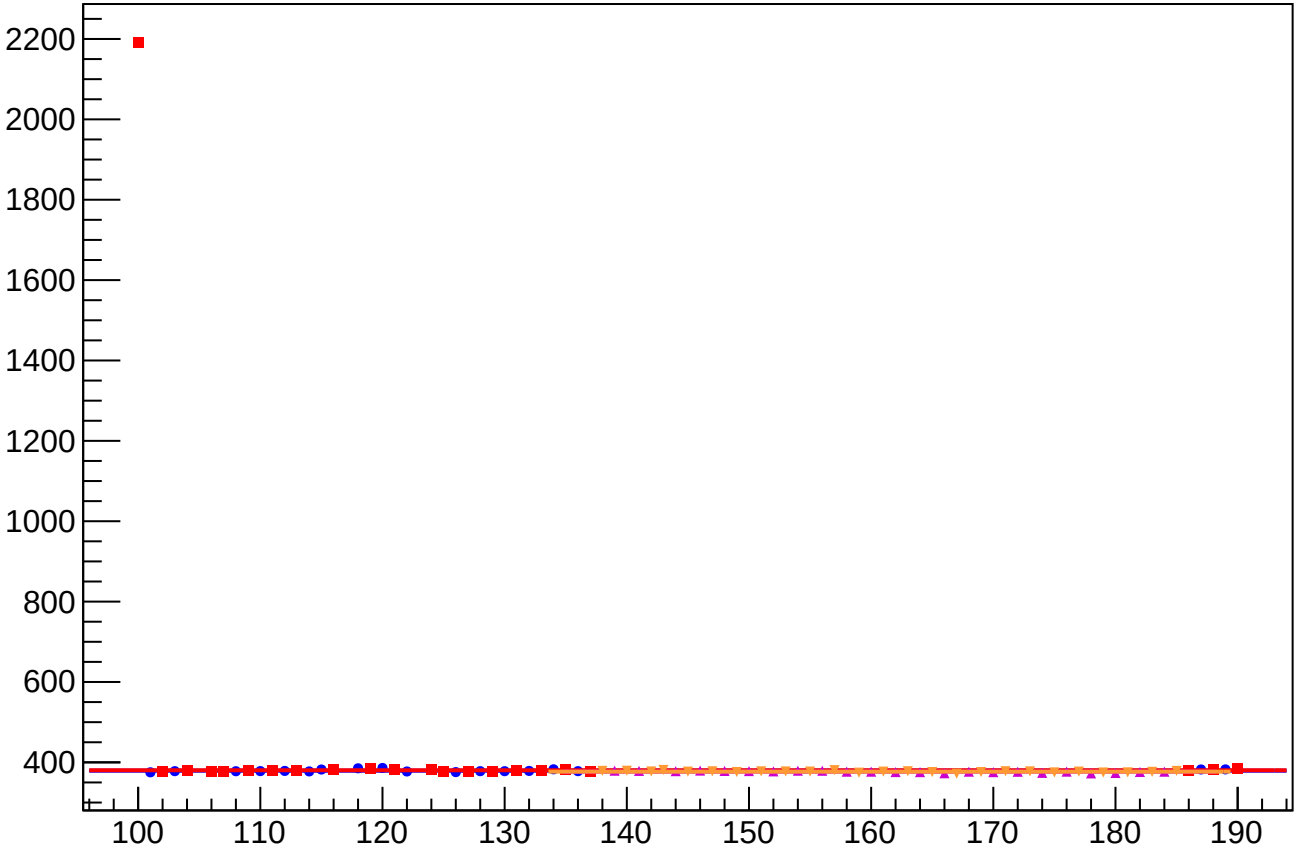
Right: 5.756+/-91.711 χ^2/NDF: 32.9/39

In: -131.200+/-73.605 χ^2/NDF:36.1/40

Out: 4.885+/-70.731 χ^2/NDF:31.4/46

All: -60.448+/-51.000 χ^2/NDF: 69.4/87

asym_dsr_rms vs Slug, Sign Corrected



Right In: 379.224+/-0.095 χ^2/NDF: 963.7/17

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.317+/-0.089 χ^2/NDF: 99799.1/21

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

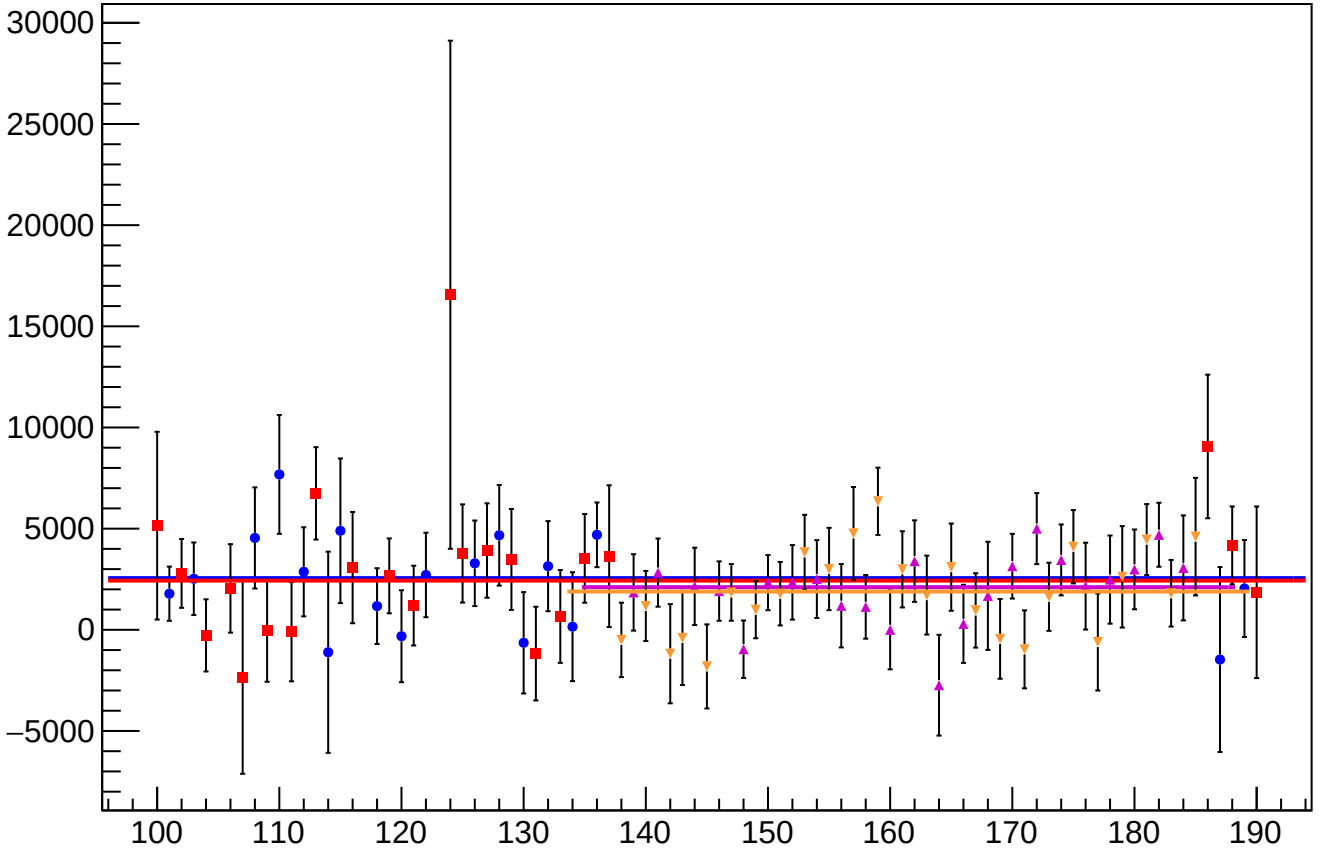
Right: 379.808+/-0.065 χ^2/NDF: 100833.4/39

In: 377.560+/-0.052 χ^2/NDF:2476.5/40

Out: 377.989+/-0.050 χ^2/NDF:101865.3/46

All: 377.783+/-0.036 χ^2/NDF: 104377.1/87

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2553.762+/-521.553 χ^2/NDF: 13.1/17

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2432.746+/-516.584 χ^2/NDF: 19.7/21

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

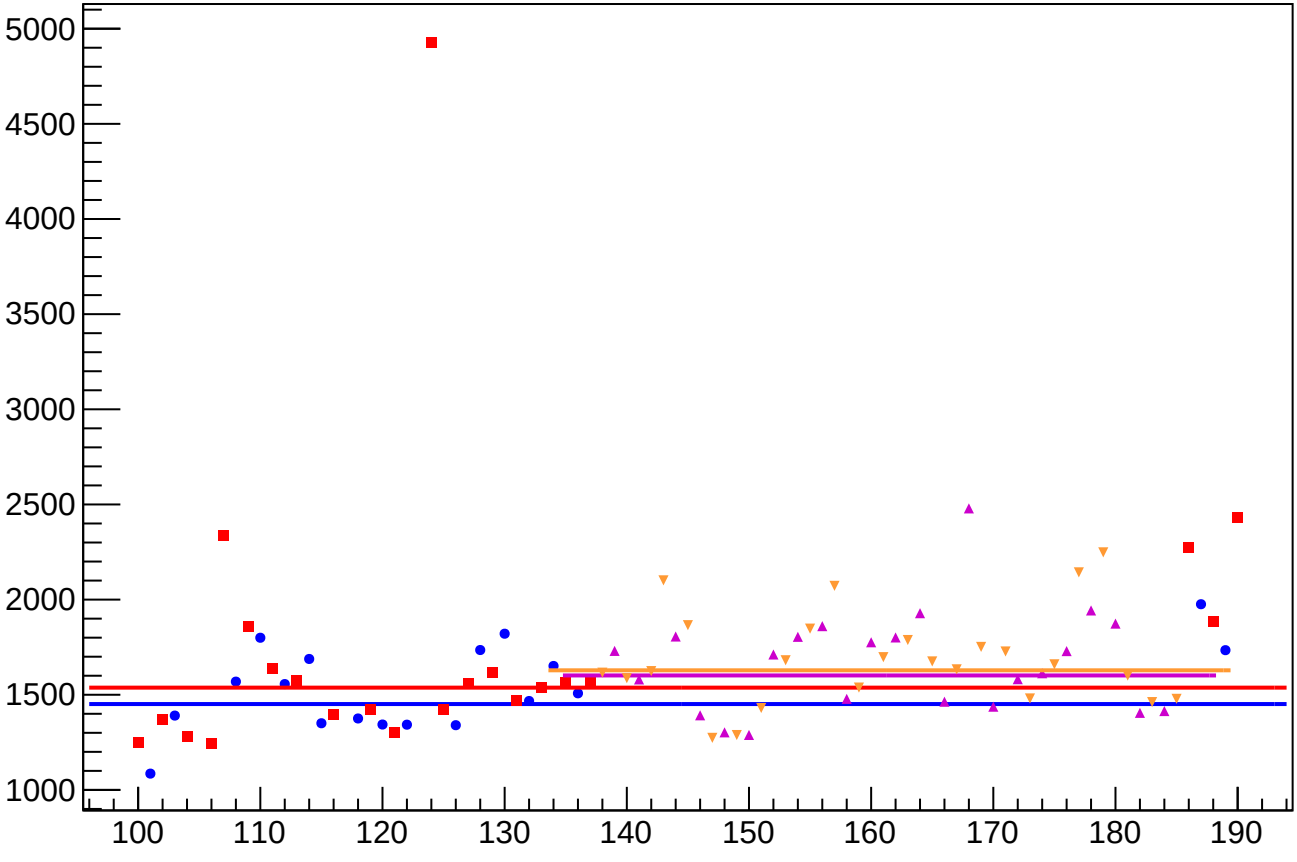
Right: 2492.675+/-367.024 χ^2/NDF: 32.8/39

In: 2260.379+/-306.625 χ^2/NDF:32.2/40

Out: 2078.281+/-303.624 χ^2/NDF:48.7/46

All: 2168.435+/-215.748 χ^2/NDF: 81.1/87

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1451.177+/-0.369 χ^2/NDF: 350817.9/17

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1537.438+/-0.365 χ^2/NDF: 633939.0/21

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

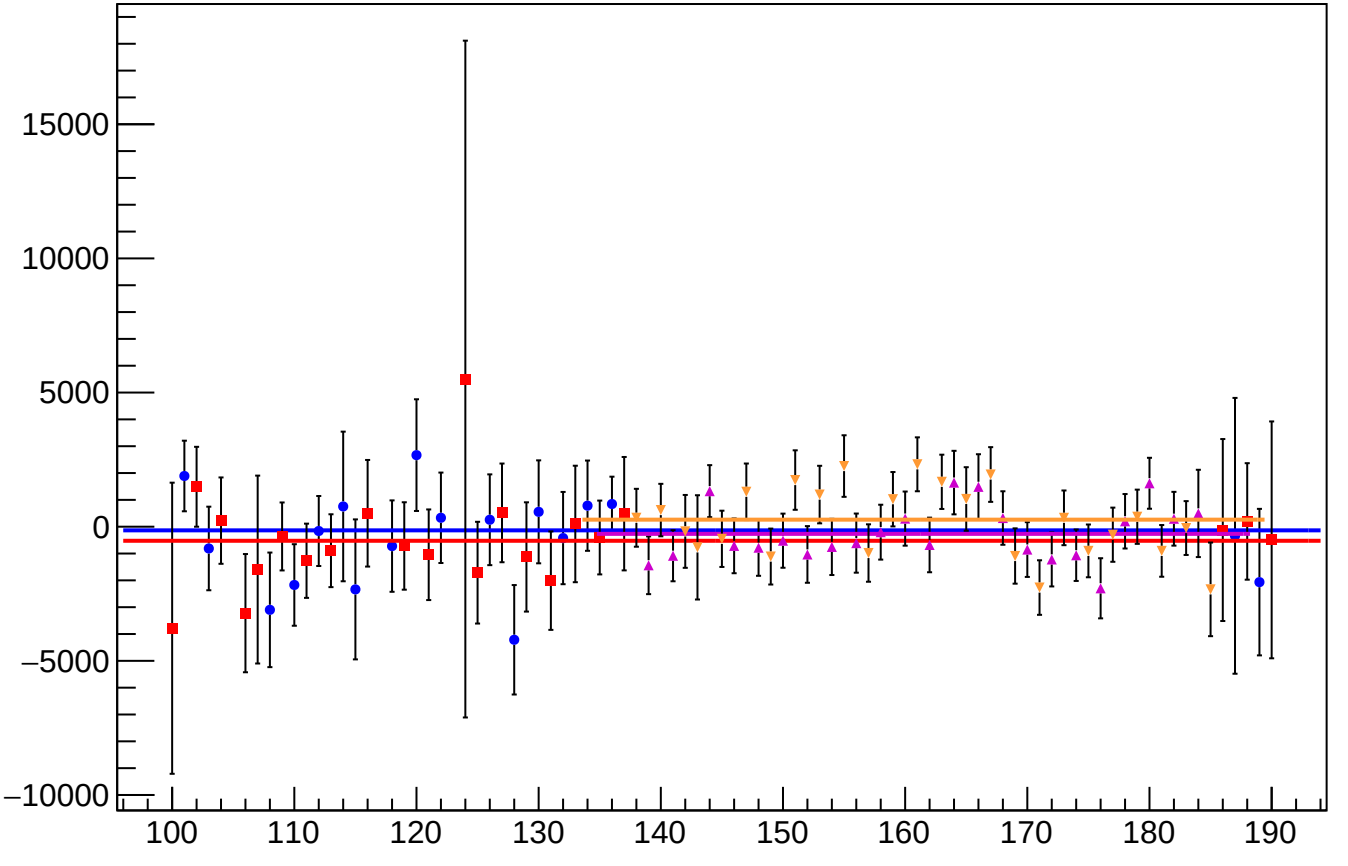
Right: 1494.720+/-0.260 χ^2/NDF: 1012373.6/39

In: 1549.541+/-0.217 χ^2/NDF:1253254.1/40

Out: 1597.028+/-0.215 χ^2/NDF:1453693.1/46

All: 1573.518+/-0.153 χ^2/NDF: 2731168.3/87

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -136.096+/-404.158 χ^2/NDF: 15.0/17

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -524.774+/-399.668 χ^2/NDF: 6.9/21

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

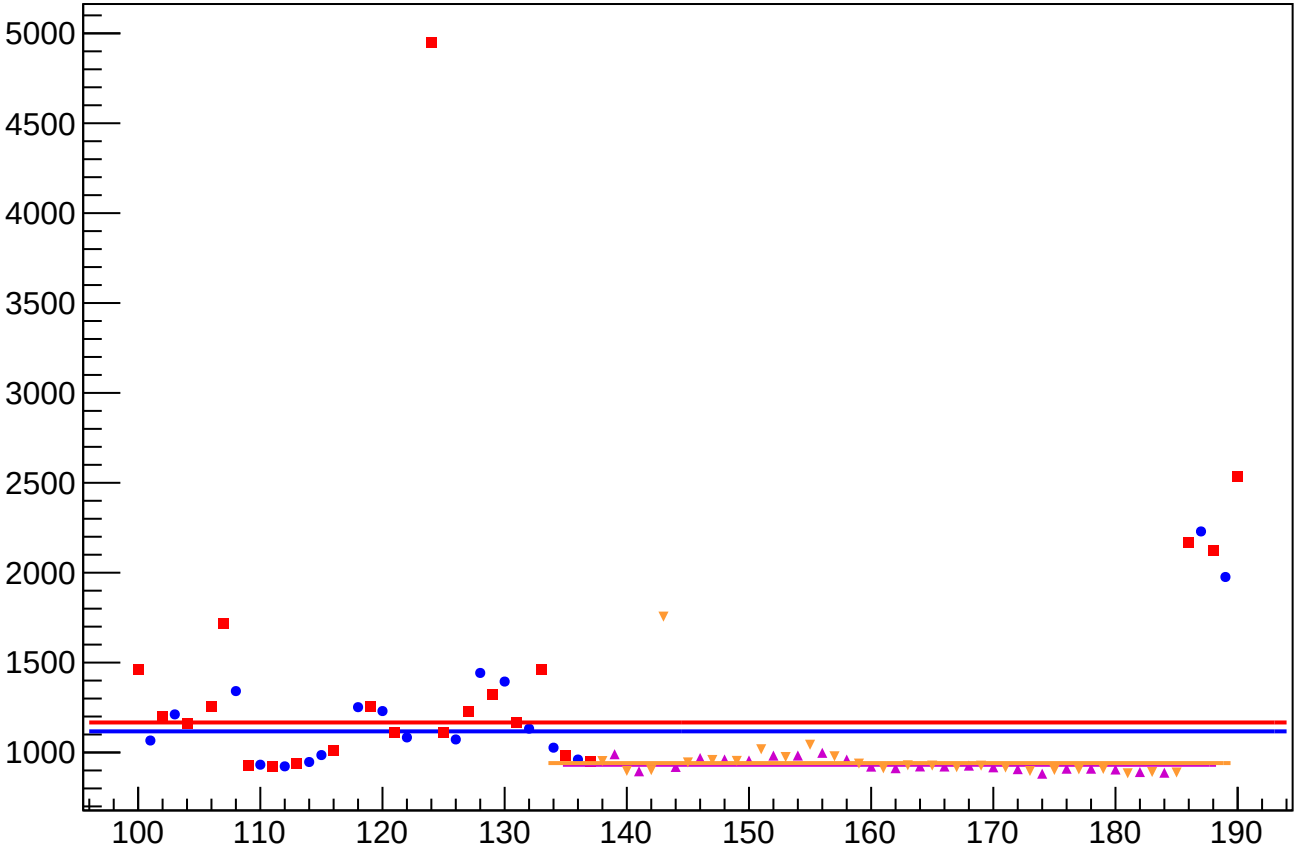
Right: -332.606+/-284.182 χ^2/NDF: 22.4/39

In: -237.610+/-191.653 χ^2/NDF:36.5/40

Out: 85.764+/-189.316 χ^2/NDF:43.8/46

All: -73.939+/-134.685 χ^2/NDF: 81.7/87

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1117.470+/-0.286 χ^2/NDF: 577014.7/17

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1166.929+/-0.283 χ^2/NDF: 1311021.4/21

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

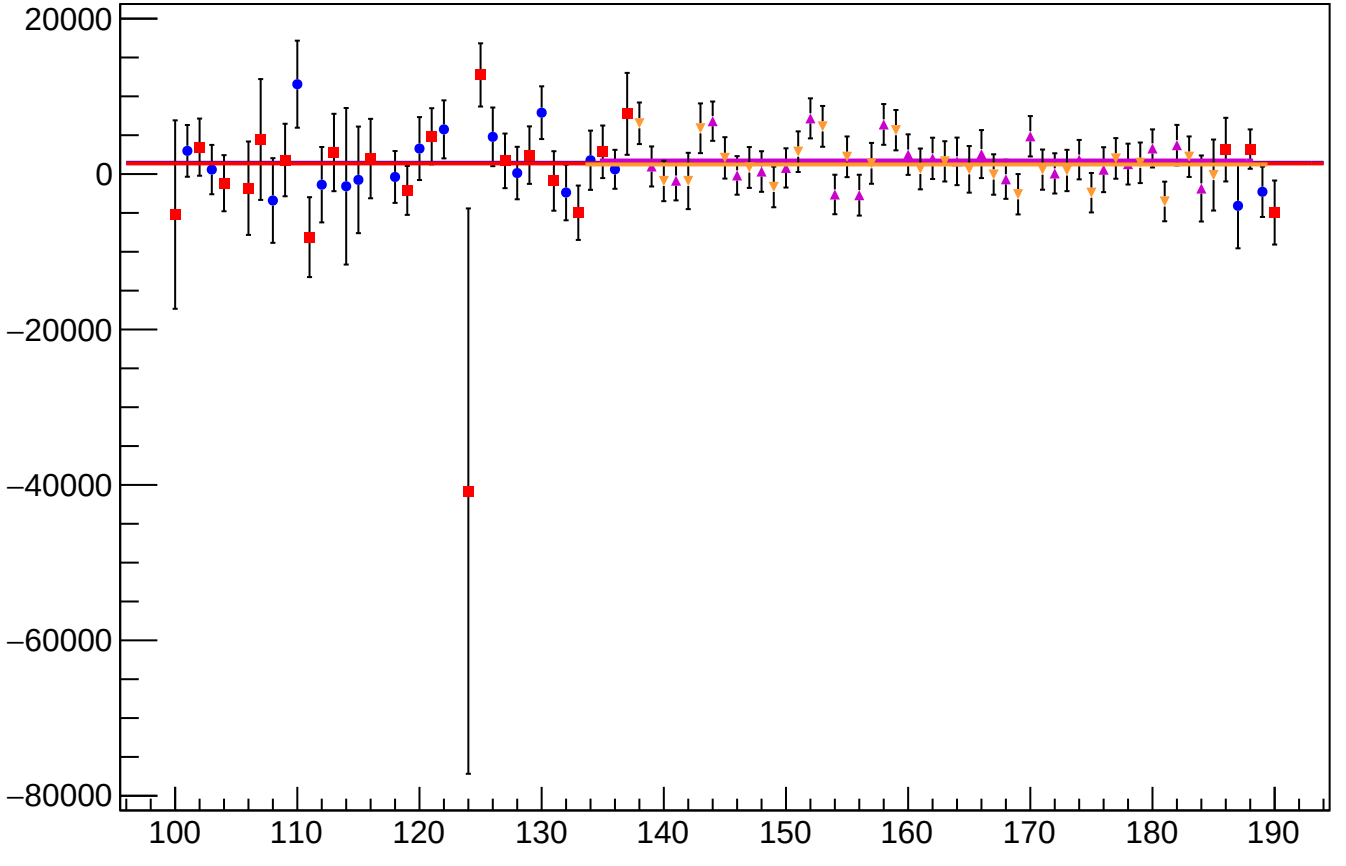
Right: 1142.476+/-0.201 χ^2/NDF: 1903179.5/39

In: 973.367+/-0.136 χ^2/NDF:953949.5/40

Out: 991.704+/-0.134 χ^2/NDF:2224383.7/46

All: 982.648+/-0.095 χ^2/NDF: 3187599.3/87

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1449.111+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1372.877+/-875.433 χ^2/NDF: 24.9/21

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

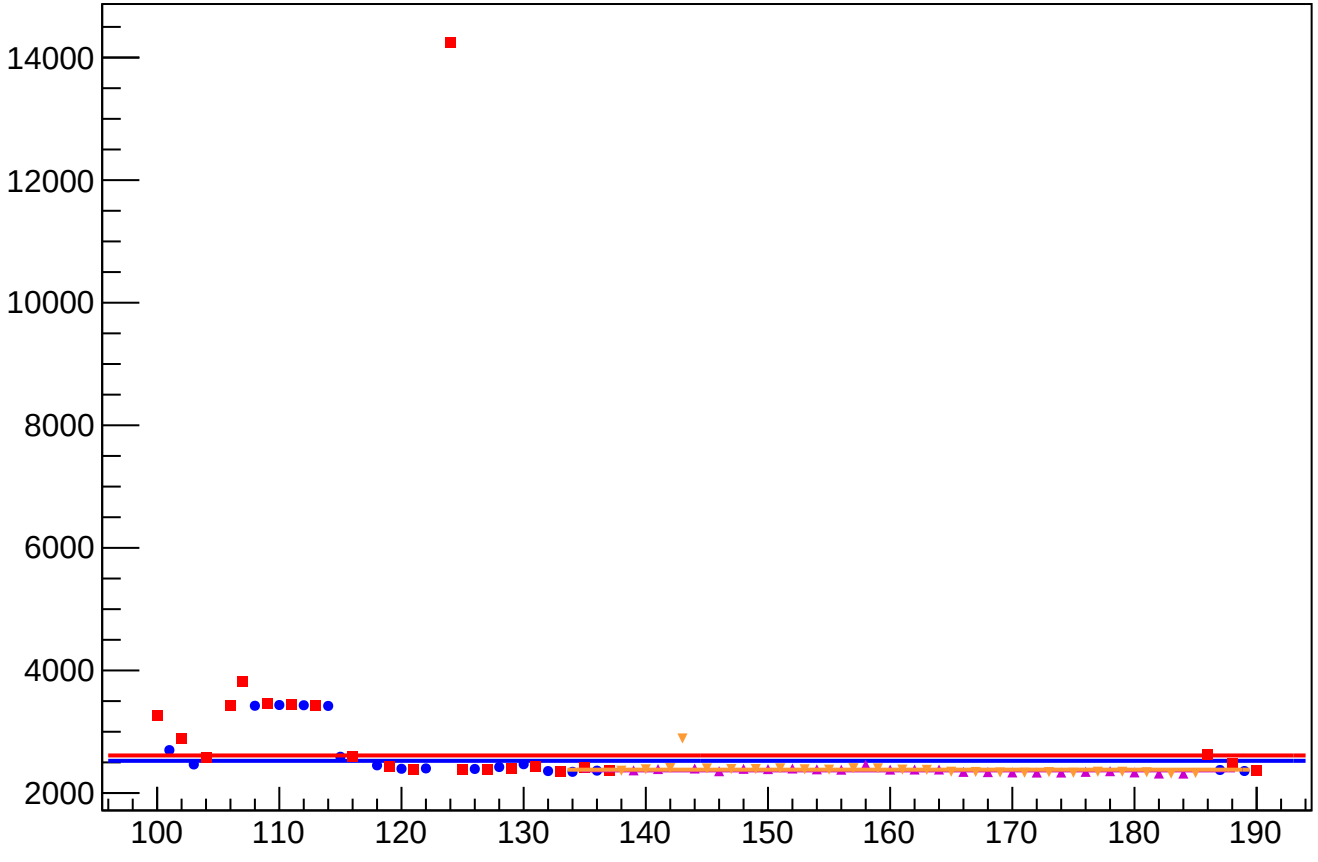
Right: 1409.883+/-627.982 χ^2/NDF: 39.7/39

In: 1661.651+/-471.513 χ^2/NDF:39.3/40

Out: 1272.936+/-460.391 χ^2/NDF:48.8/46

All: 1462.655+/-329.408 χ^2/NDF: 88.4/87

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2613.180+/-0.619 χ^2/NDF: 551444.7/21

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

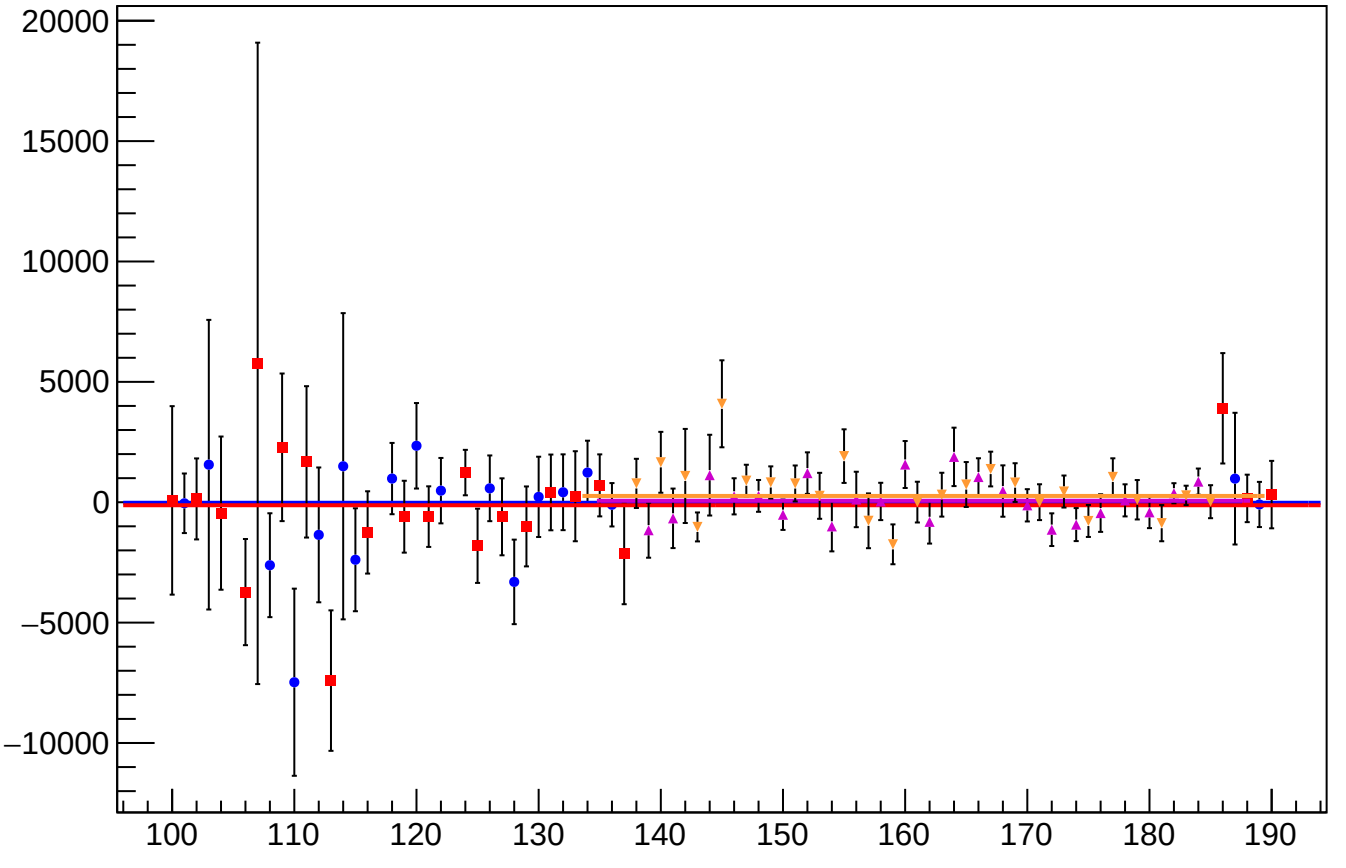
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2570.633+/-0.444 χ^2/NDF: 794317.9/39

In: 2412.116+/-0.333 χ^2/NDF:283773.4/40

Out: 2445.385+/-0.326 χ^2/NDF:710634.1/46

All: 2429.147+/-0.233 χ^2/NDF: 999504.7/87



Right In: -22.310+/-368.999 χ^2/NDF: 13.9/17

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -124.663+/-353.039 χ^2/NDF: 19.2/21

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

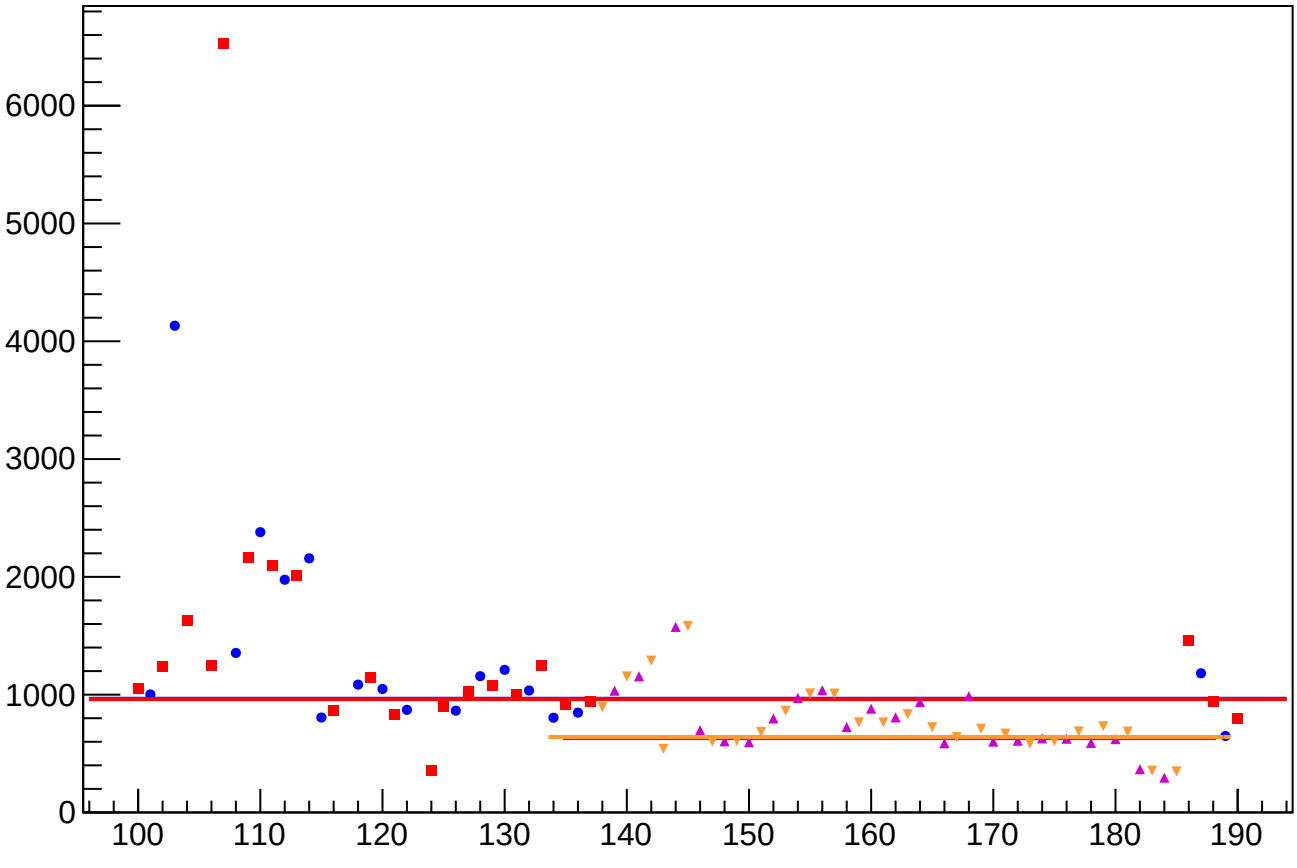
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -75.747+/-255.092 χ^2/NDF: 33.1/39

In: 48.988+/-144.774 χ^2/NDF:36.0/40

Out: 200.077+/-141.162 χ^2/NDF:51.3/46

All: 126.441+/-101.069 χ^2/NDF: 87.8/87



Right In: 965.158+/-0.261 χ^2/NDF: 1640352.1/17

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 962.325+/-0.250 χ^2/NDF: 2432218.0/21

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

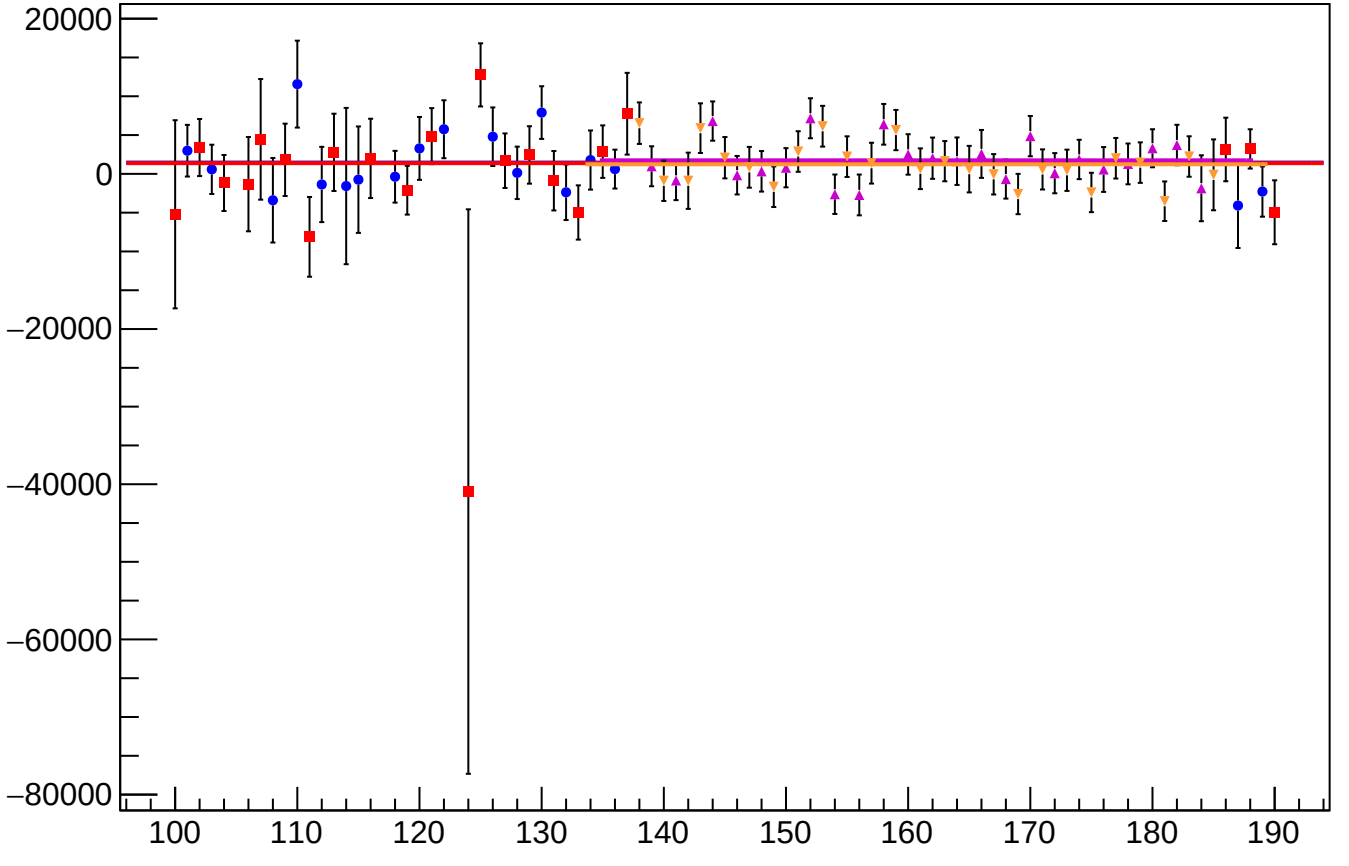
Right: 963.679+/-0.180 χ^2/NDF: 4072631.6/39

In: 682.605+/-0.102 χ^2/NDF:7001813.3/40

Out: 692.504+/-0.100 χ^2/NDF:7297651.3/46

All: 687.680+/-0.071 χ^2/NDF: 14304257.7/87

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1449.441+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1380.549+/-875.644 χ^2/NDF: 24.8/21

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

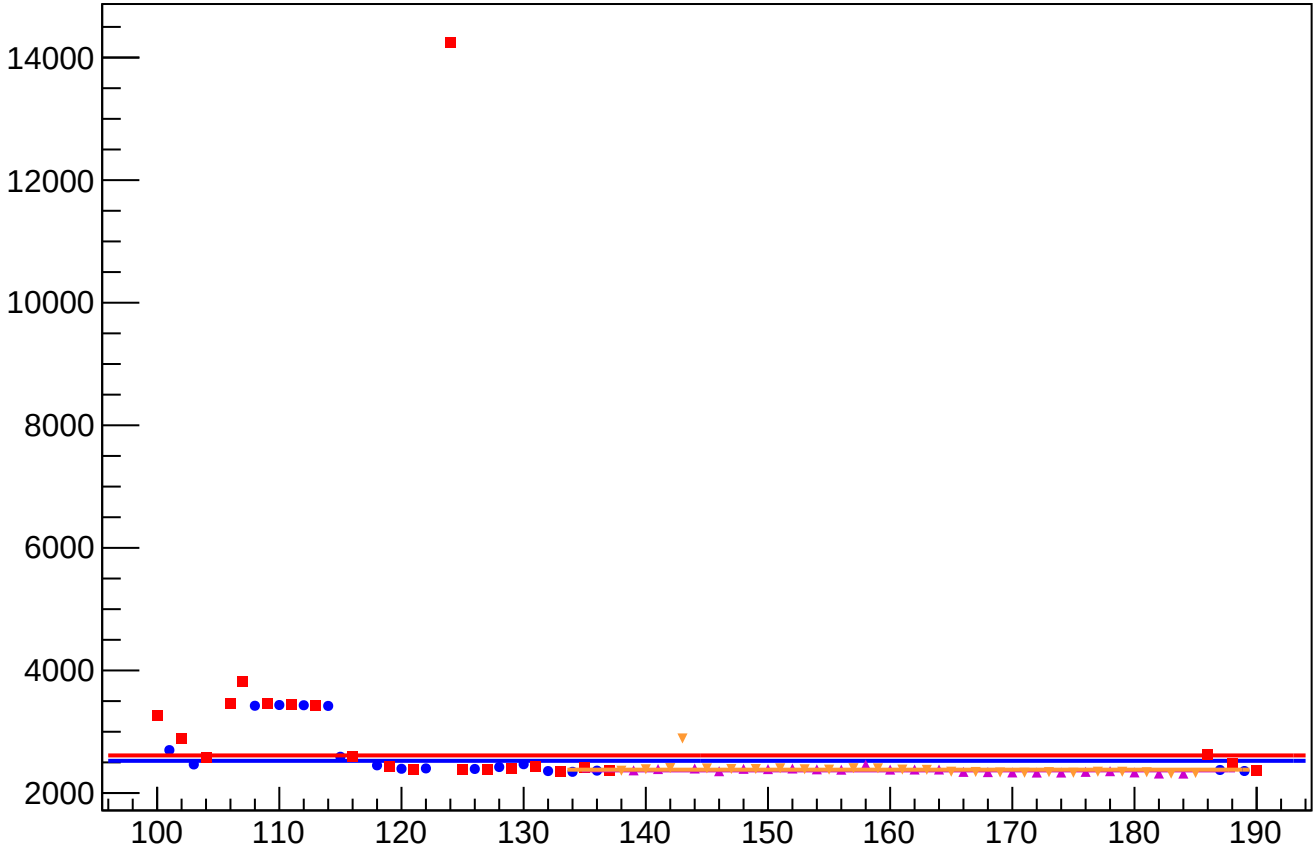
Right: 1413.999+/-628.059 χ^2/NDF: 39.6/39

In: 1661.781+/-471.513 χ^2/NDF:39.3/40

Out: 1275.028+/-460.422 χ^2/NDF:48.7/46

All: 1463.802+/-329.419 χ^2/NDF: 88.3/87

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2613.604+/-0.619 χ^2/NDF: 554099.6/21

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

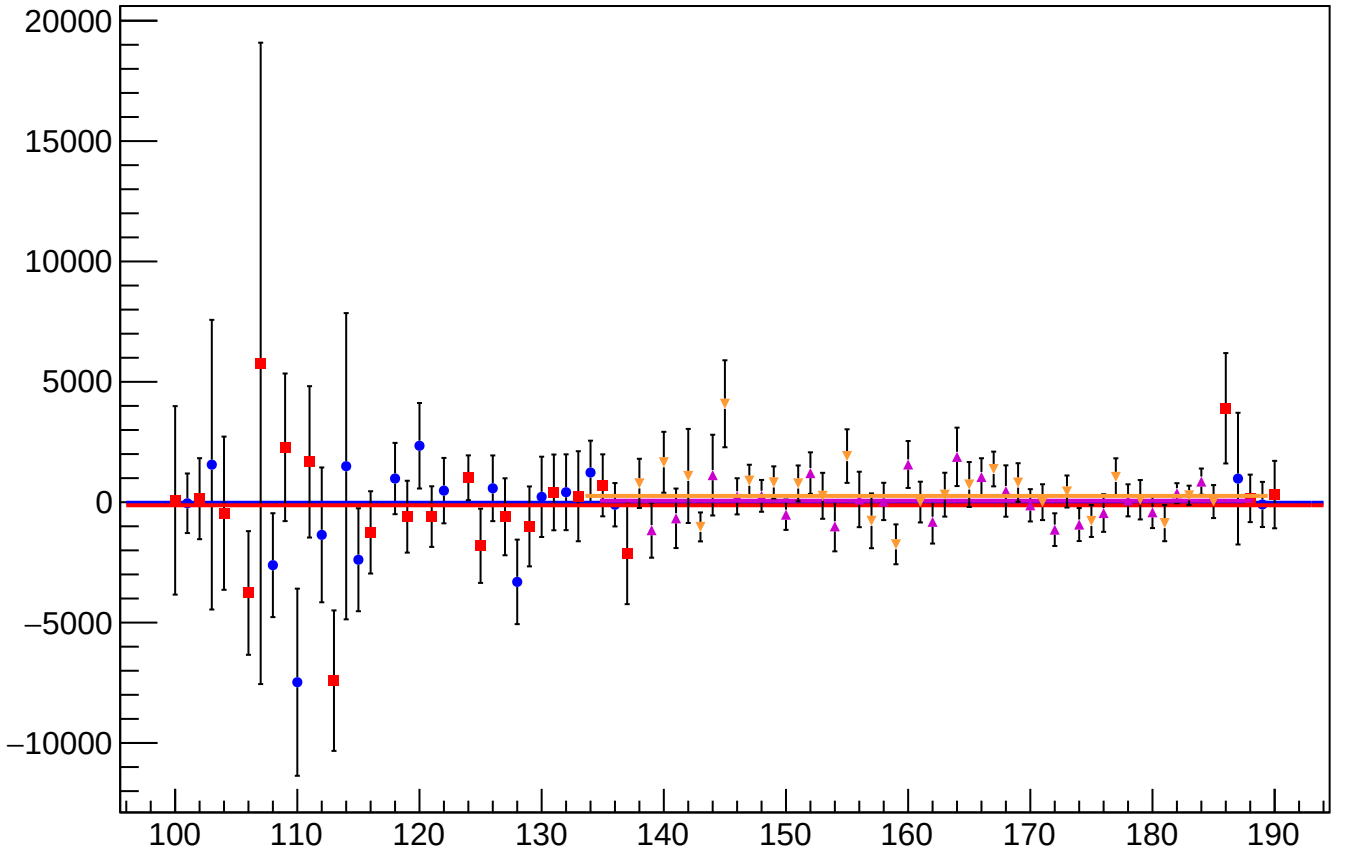
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2570.841+/-0.444 χ^2/NDF: 797064.7/39

In: 2412.116+/-0.333 χ^2/NDF:283773.4/40

Out: 2445.480+/-0.326 χ^2/NDF:713624.7/46

All: 2429.195+/-0.233 χ^2/NDF: 1002524.0/87



Right In: -22.403+/-368.997 χ^2/NDF: 13.9/17

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -126.719+/-353.572 χ^2/NDF: 17.9/21

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

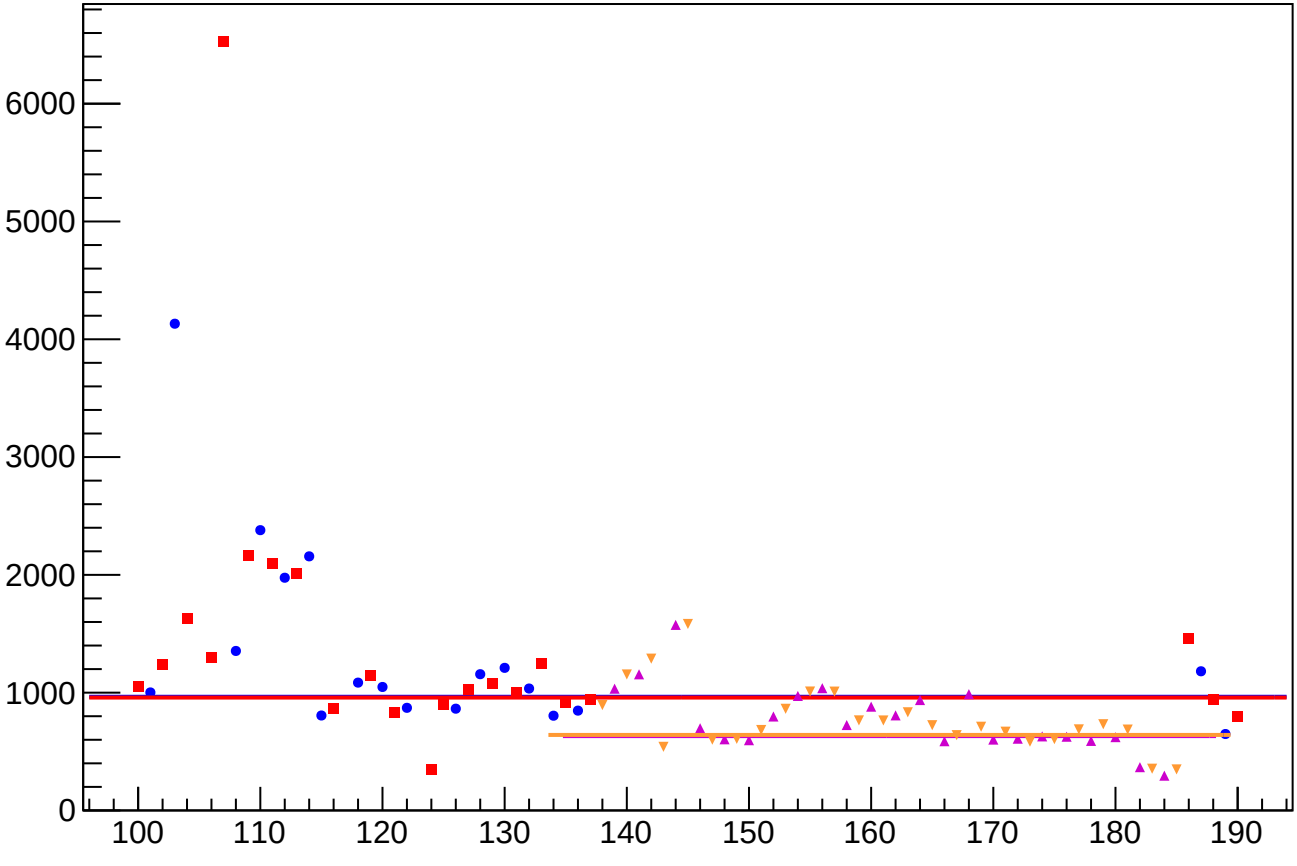
Right: -76.787+/-255.292 χ^2/NDF: 31.9/39

In: 48.988+/-144.773 χ^2/NDF:36.0/40

Out: 200.142+/-141.198 χ^2/NDF:50.1/46

All: 126.455+/-101.082 χ^2/NDF: 86.6/87

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 965.152+/-0.261 χ^2/NDF: 1640324.2/17

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 958.373+/-0.250 χ^2/NDF: 2467091.9/21

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

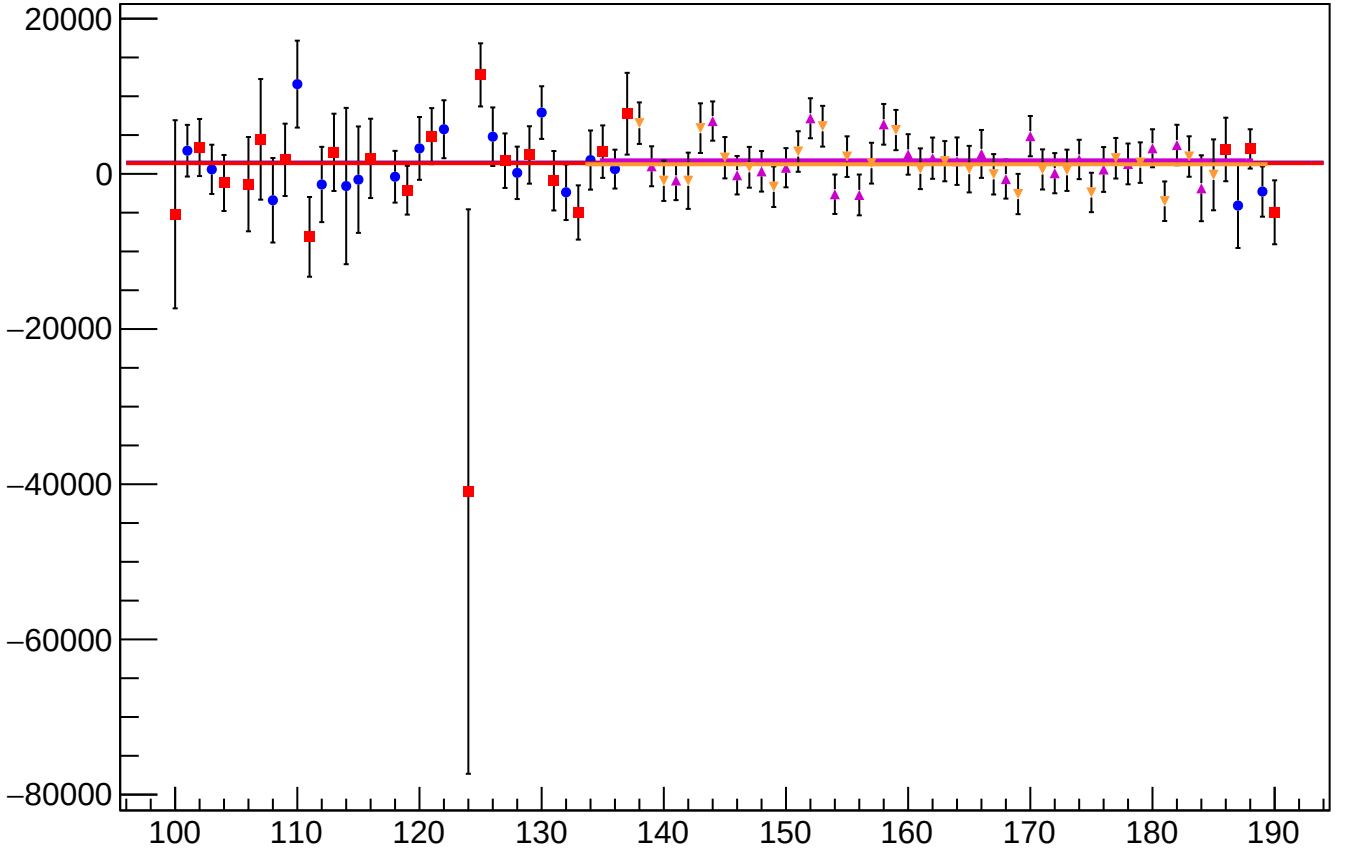
Right: 961.618+/-0.181 χ^2/NDF: 4107768.0/39

In: 682.603+/-0.102 χ^2/NDF:7001900.9/40

Out: 691.756+/-0.100 χ^2/NDF:7294688.5/46

All: 687.294+/-0.071 χ^2/NDF: 14300686.9/87

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1449.441+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1380.549+/-875.644 χ^2/NDF: 24.8/21

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

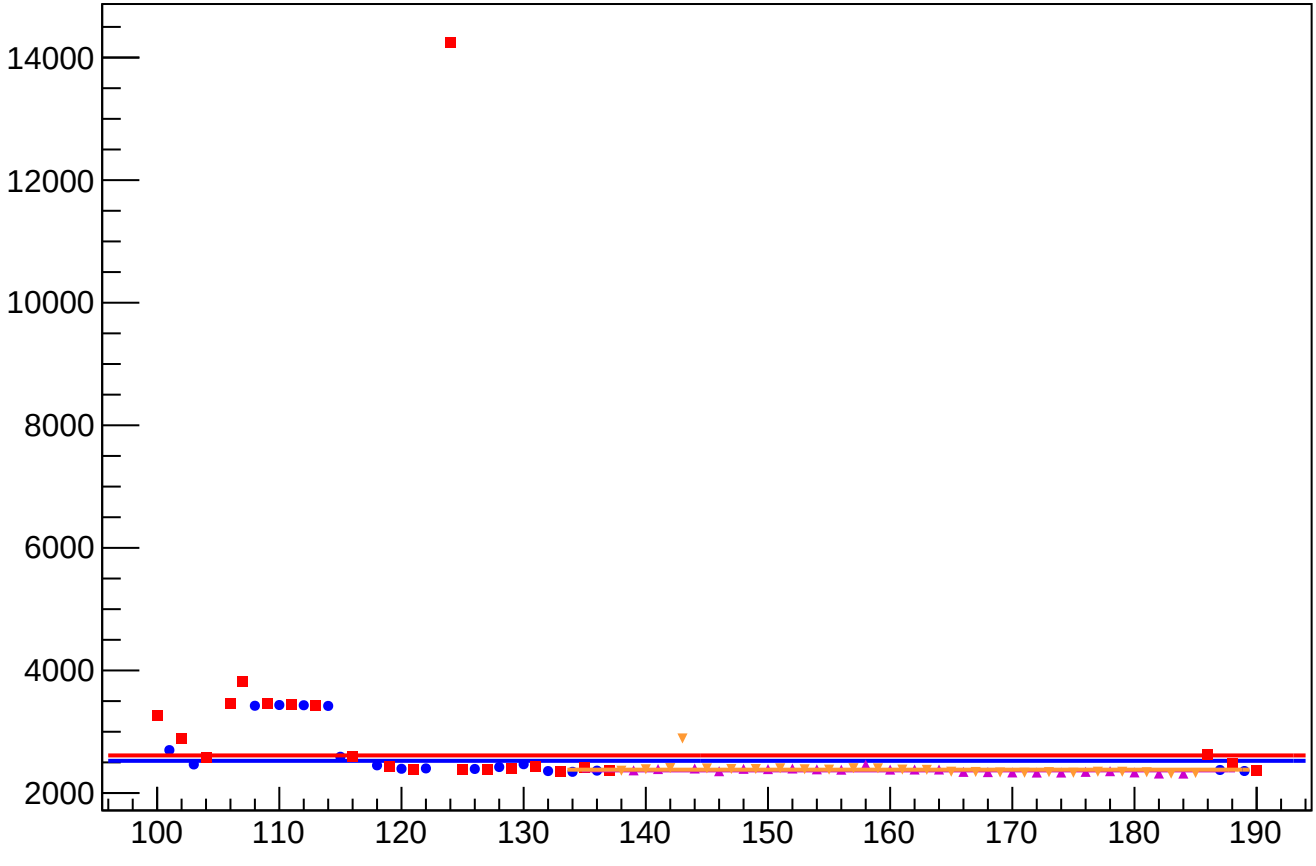
Right: 1413.999+/-628.059 χ^2/NDF: 39.6/39

In: 1661.781+/-471.513 χ^2/NDF:39.3/40

Out: 1275.028+/-460.422 χ^2/NDF:48.7/46

All: 1463.802+/-329.419 χ^2/NDF: 88.3/87

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2613.604+/-0.619 χ^2/NDF: 554099.6/21

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

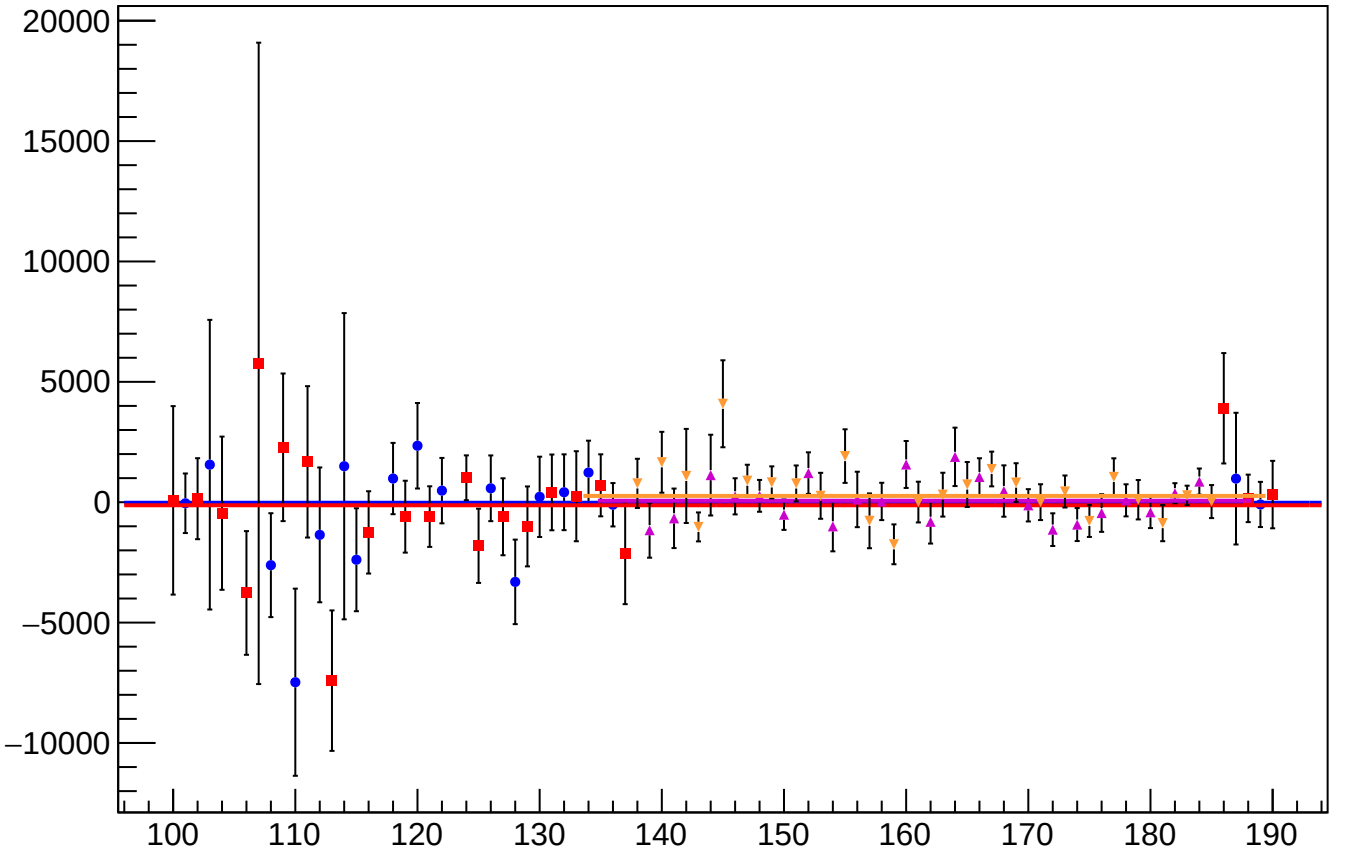
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2570.841+/-0.444 χ^2/NDF: 797064.7/39

In: 2412.116+/-0.333 χ^2/NDF:283773.4/40

Out: 2445.480+/-0.326 χ^2/NDF:713624.7/46

All: 2429.195+/-0.233 χ^2/NDF: 1002524.0/87



Right In: -22.403+/-368.997 χ^2/NDF: 13.9/17

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -126.719+/-353.572 χ^2/NDF: 17.9/21

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

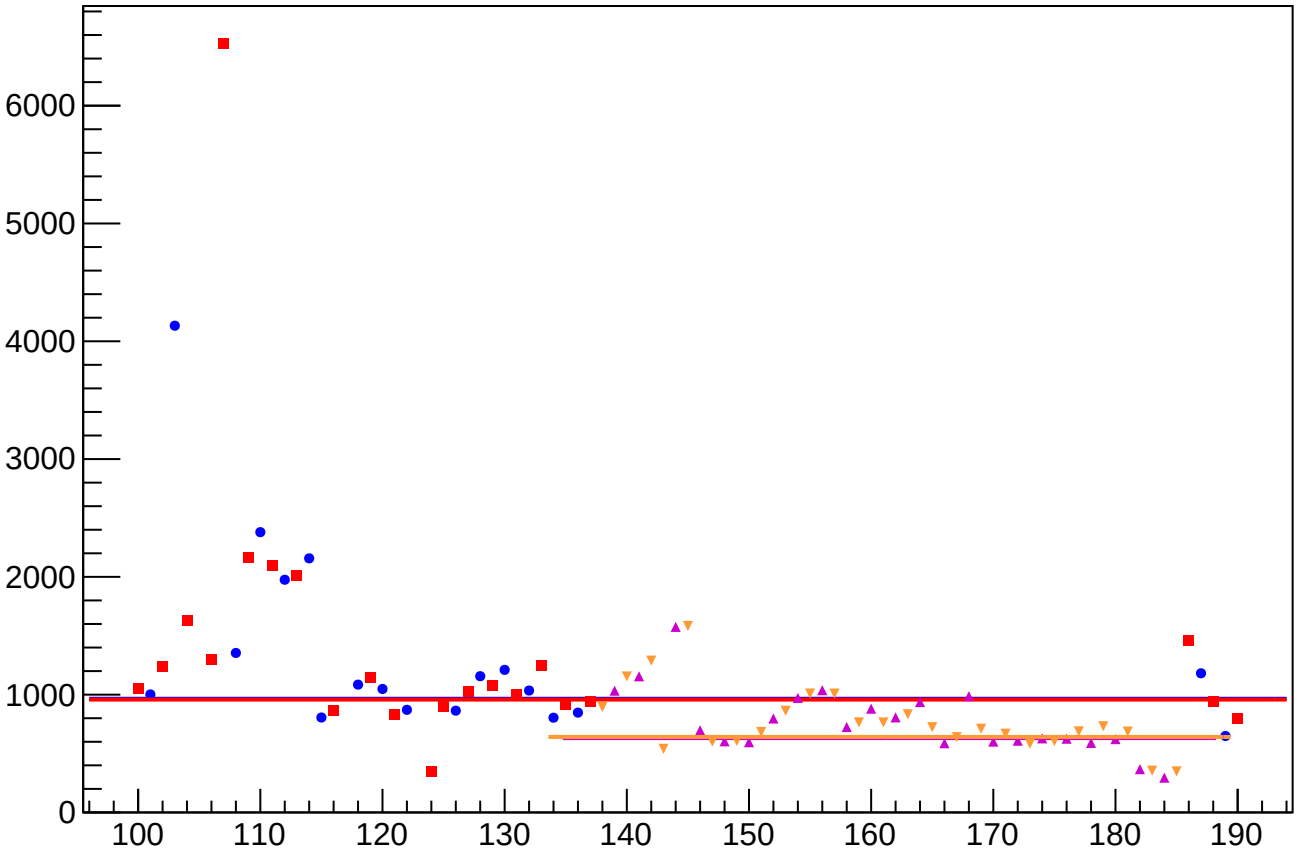
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -76.787+/-255.292 χ^2/NDF: 31.9/39

In: 48.988+/-144.773 χ^2/NDF:36.0/40

Out: 200.142+/-141.198 χ^2/NDF:50.1/46

All: 126.455+/-101.082 χ^2/NDF: 86.6/87



Right In: 965.152+/-0.261 χ^2/NDF: 1640324.2/17

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 958.373+/-0.250 χ^2/NDF: 2467091.9/21

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

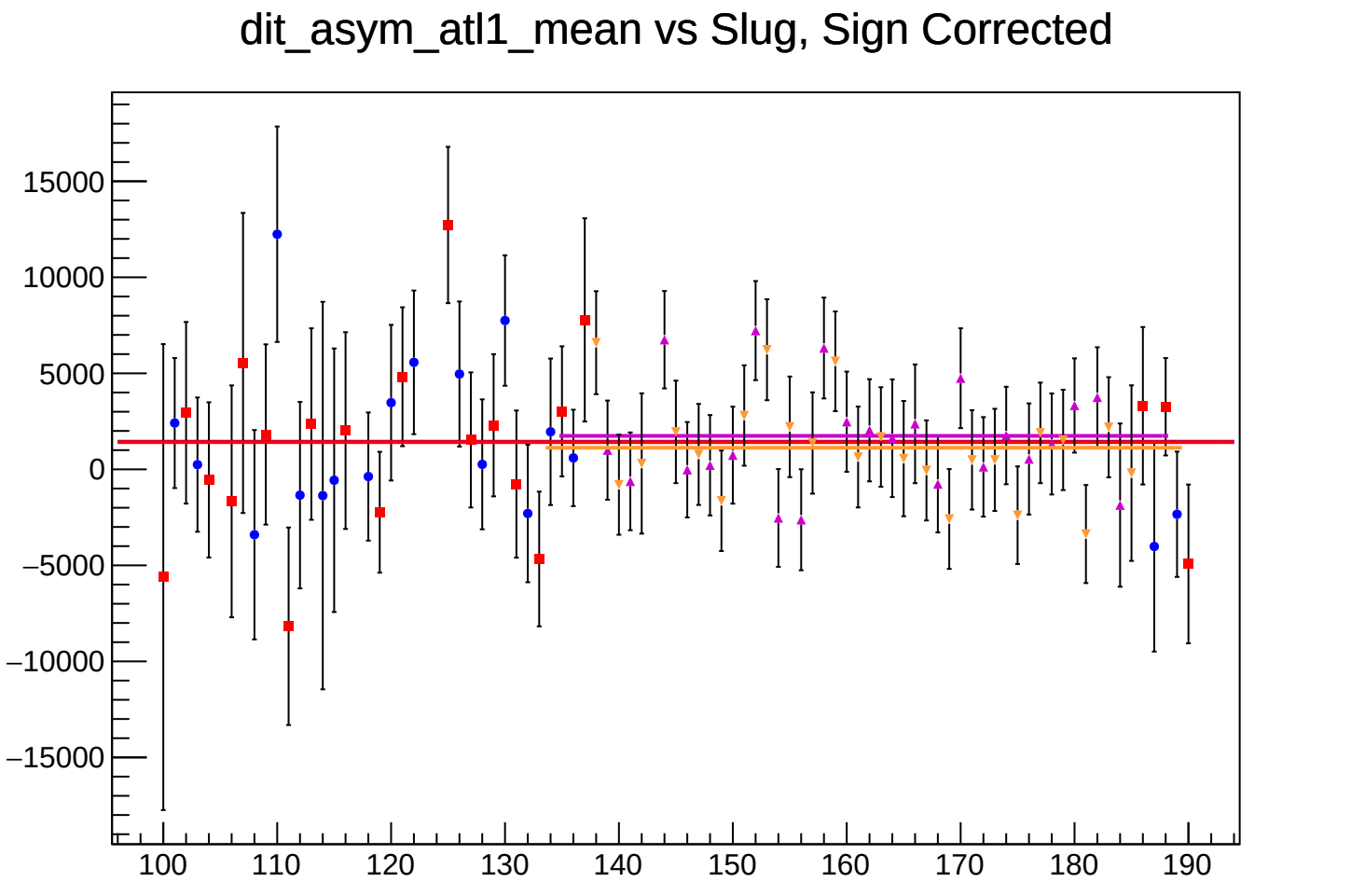
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 961.618+/-0.181 χ^2/NDF: 4107768.0/39

In: 682.603+/-0.102 χ^2/NDF:7001900.9/40

Out: 691.756+/-0.100 χ^2/NDF:7294688.5/46

All: 687.294+/-0.071 χ^2/NDF: 14300686.9/87



Right In: 1438.467+/-910.134 χ^2/NDF: 15.0/17

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1416.600+/-892.415 χ^2/NDF: 22.9/20

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

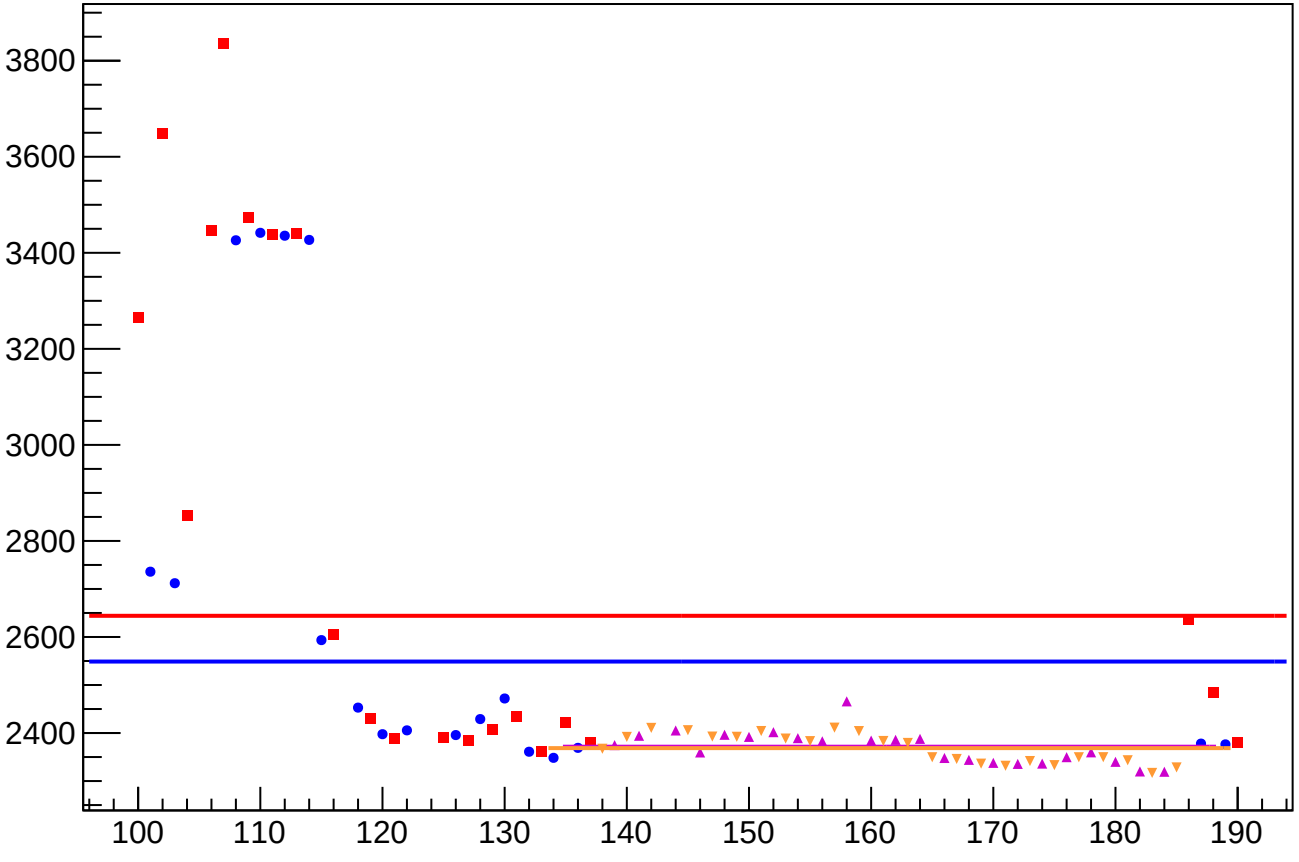
Right: 1427.319+/-637.205 χ^2/NDF: 37.8/38

In: 1660.215+/-473.072 χ^2/NDF:38.8/40

Out: 1205.642+/-468.117 χ^2/NDF:44.1/44

All: 1430.536+/-332.747 χ^2/NDF: 83.4/85

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2548.832+/-0.644 χ^2/NDF: 237919.7/17

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2644.099+/-0.631 χ^2/NDF: 438827.9/20

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

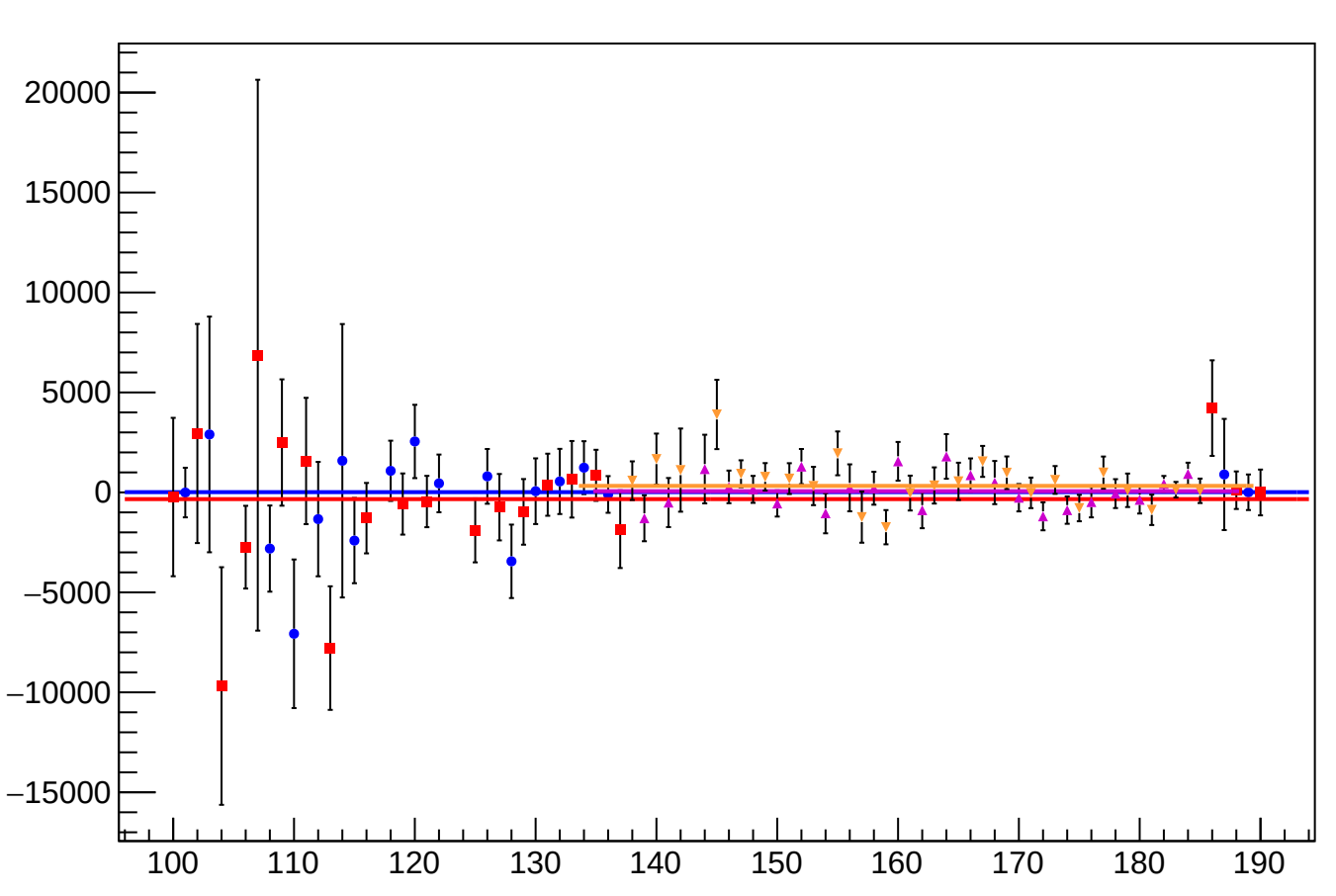
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2597.402+/-0.451 χ^2/NDF: 687919.5/38

In: 2419.424+/-0.335 χ^2/NDF:300375.3/40

Out: 2444.382+/-0.331 χ^2/NDF:582590.7/44

All: 2432.034+/-0.235 χ^2/NDF: 885778.7/85



Right In: 12.937+/-370.716 χ^2/NDF: 14.6/17

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -335.909+/-383.845 χ^2/NDF: 18.8/20

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

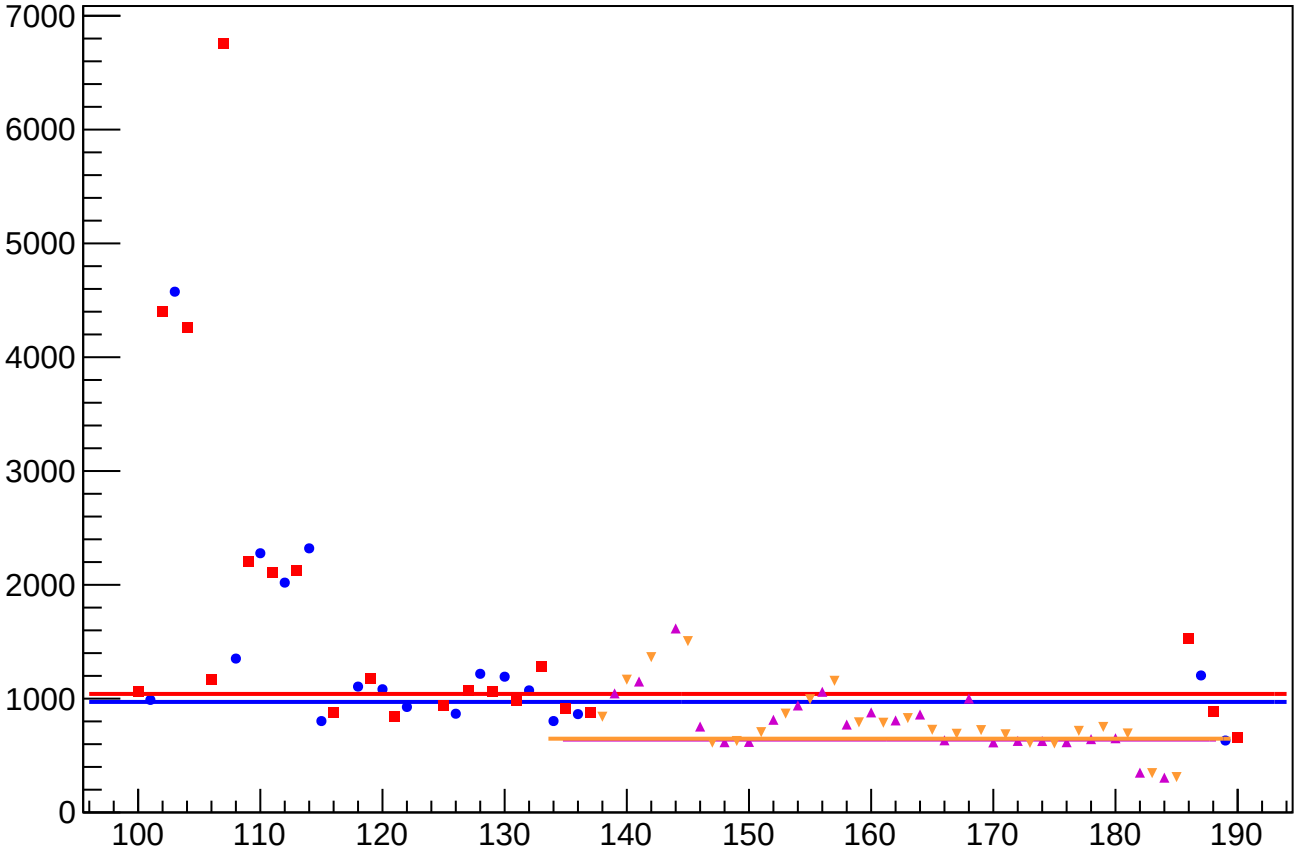
Right: -155.418+/-266.657 χ^2/NDF: 33.9/38

In: 52.314+/-146.646 χ^2/NDF:37.3/40

Out: 227.936+/-147.716 χ^2/NDF:48.1/44

All: 139.486+/-104.071 χ^2/NDF: 86.2/85

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 971.132+/-0.262 χ^2/NDF: 1898067.8/17

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 1041.438+/-0.271 χ^2/NDF: 2961982.5/20

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

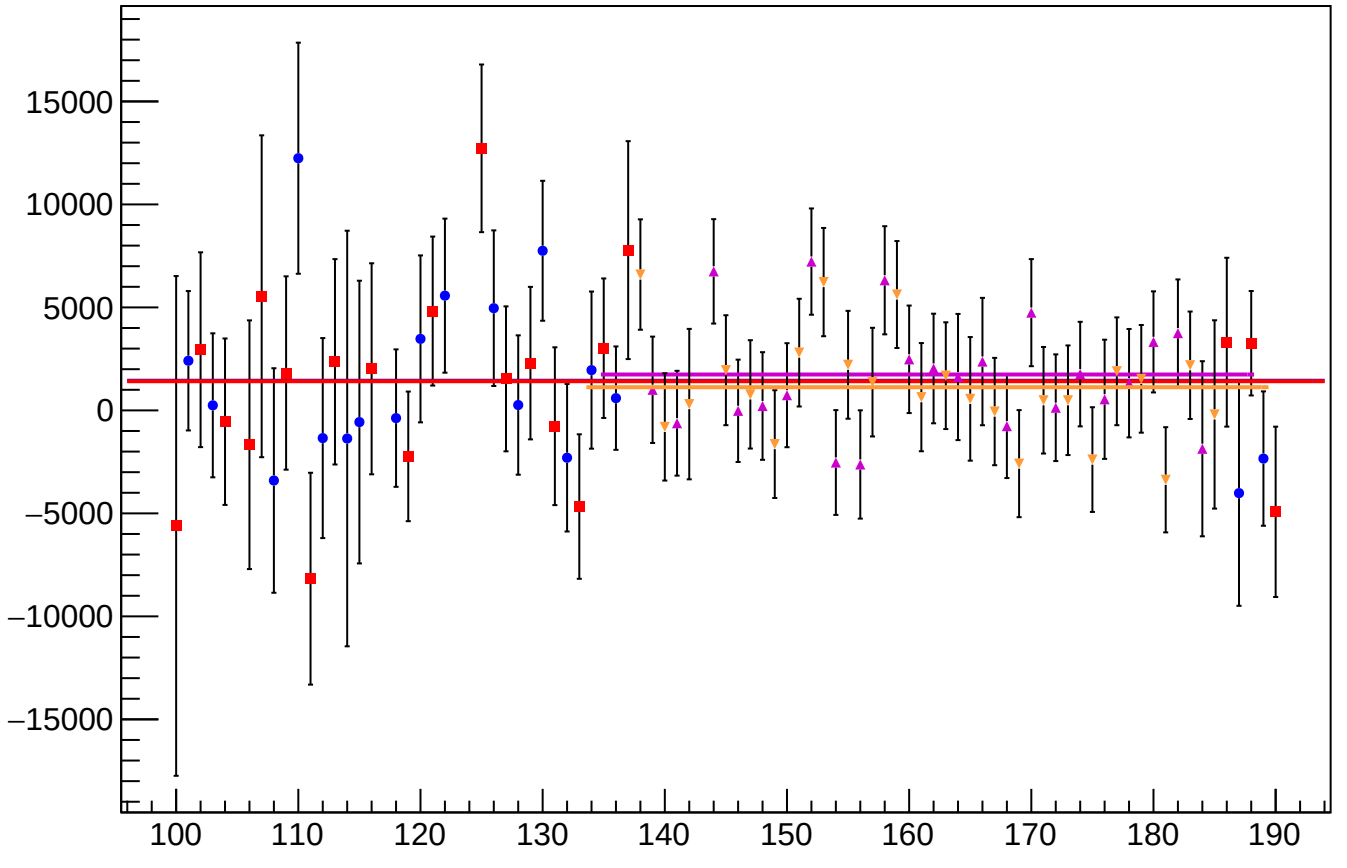
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 1005.062+/-0.189 χ^2/NDF: 4894765.1/38

In: 692.171+/-0.104 χ^2/NDF:7369404.5/40

Out: 706.352+/-0.104 χ^2/NDF:8638088.3/44

All: 699.210+/-0.074 χ^2/NDF: 16016775.7/85



Right In: 1438.464+/-910.134 χ^2/NDF: 15.0/17

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1416.598+/-892.415 χ^2/NDF: 22.9/20

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

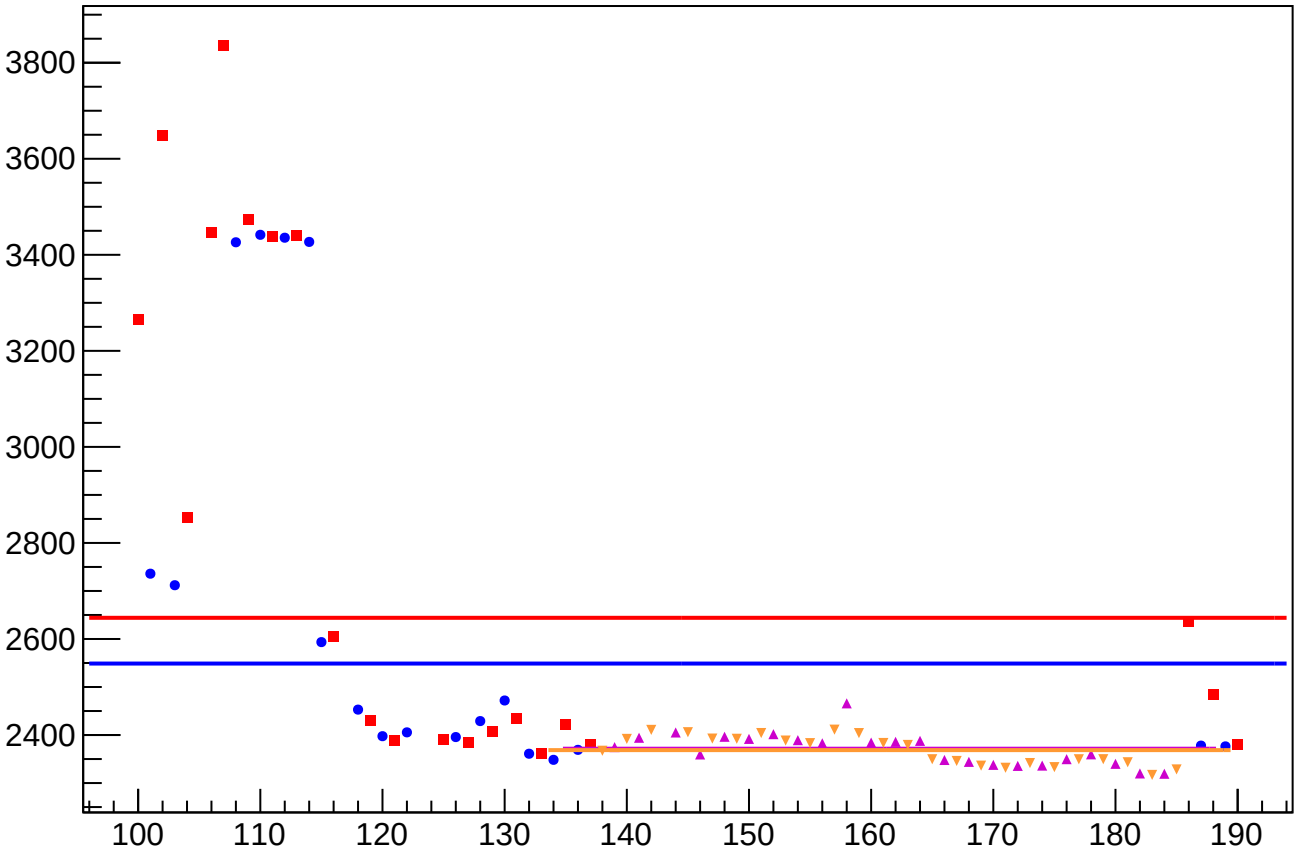
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1427.316+/-637.205 χ^2/NDF: 37.8/38

In: 1660.215+/-473.072 χ^2/NDF:38.8/40

Out: 1205.642+/-468.117 χ^2/NDF:44.1/44

All: 1430.535+/-332.747 χ^2/NDF: 83.4/85



Right In: 2548.832+/-0.644 χ^2/NDF: 237919.4/17

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2644.099+/-0.631 χ^2/NDF: 438827.2/20

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

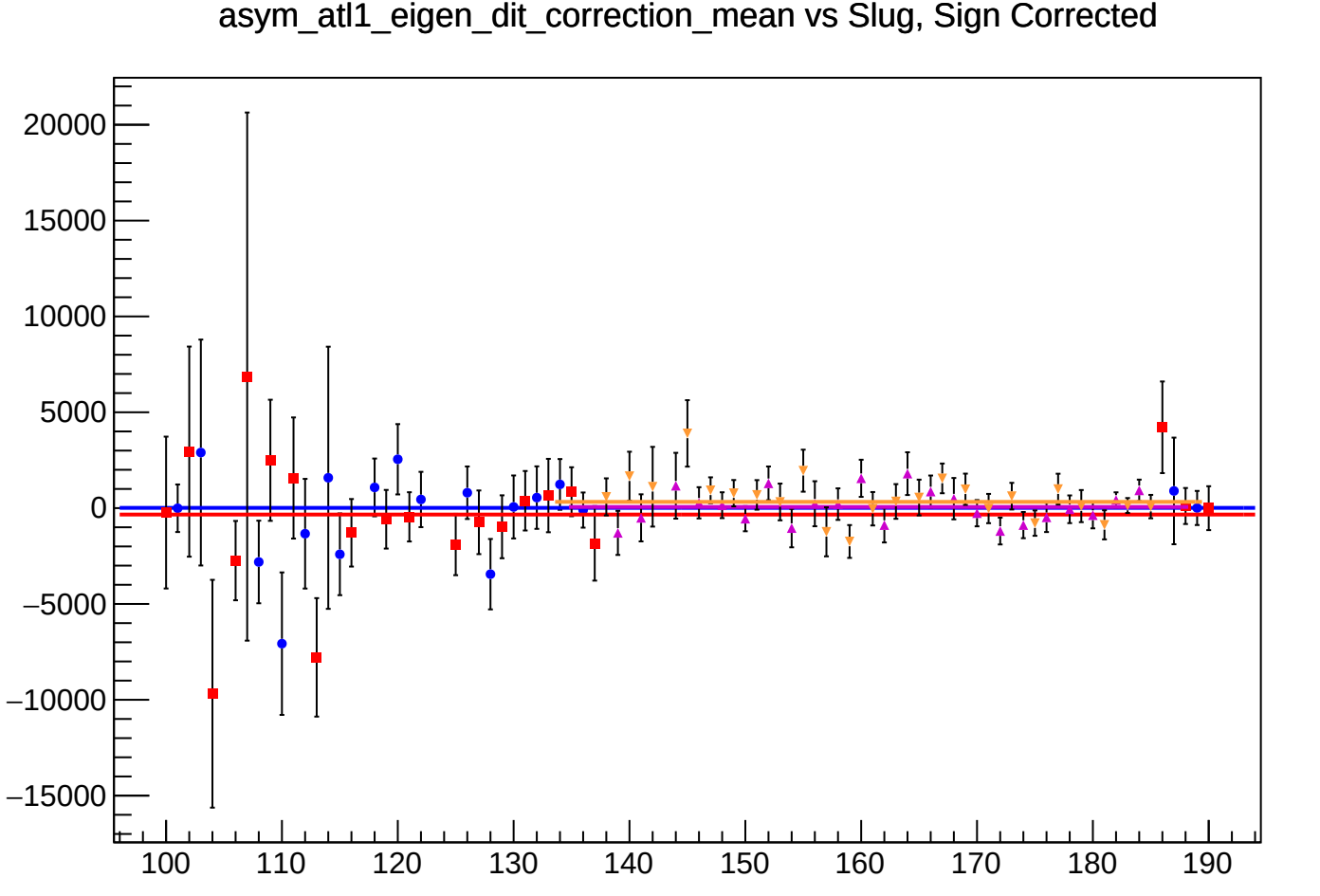
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2597.402+/-0.451 χ^2/NDF: 687918.6/38

In: 2419.424+/-0.335 χ^2/NDF:300374.9/40

Out: 2444.382+/-0.331 χ^2/NDF:582589.7/44

All: 2432.034+/-0.235 χ^2/NDF: 885777.3/85



Right In: 12.934+/-370.716 χ^2/NDF: 14.6/17

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -335.909+/-383.845 χ^2/NDF: 18.8/20

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

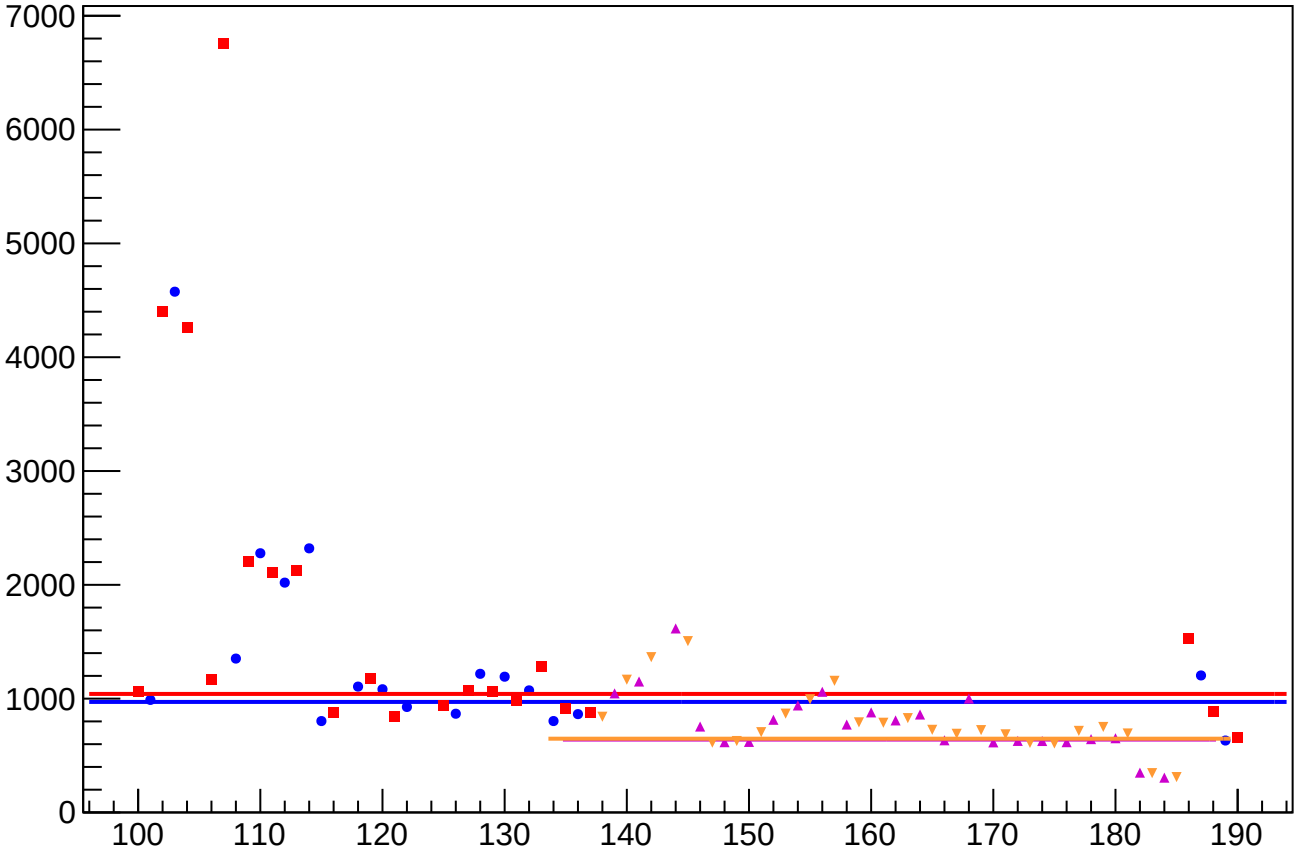
Right: -155.419+/-266.657 χ^2/NDF: 33.9/38

In: 52.314+/-146.646 χ^2/NDF:37.3/40

Out: 227.935+/-147.716 χ^2/NDF:48.1/44

All: 139.486+/-104.071 χ^2/NDF: 86.2/85

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 971.133+/-0.262 χ^2/NDF: 1898064.6/17

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1041.437+/-0.271 χ^2/NDF: 2961983.4/20

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

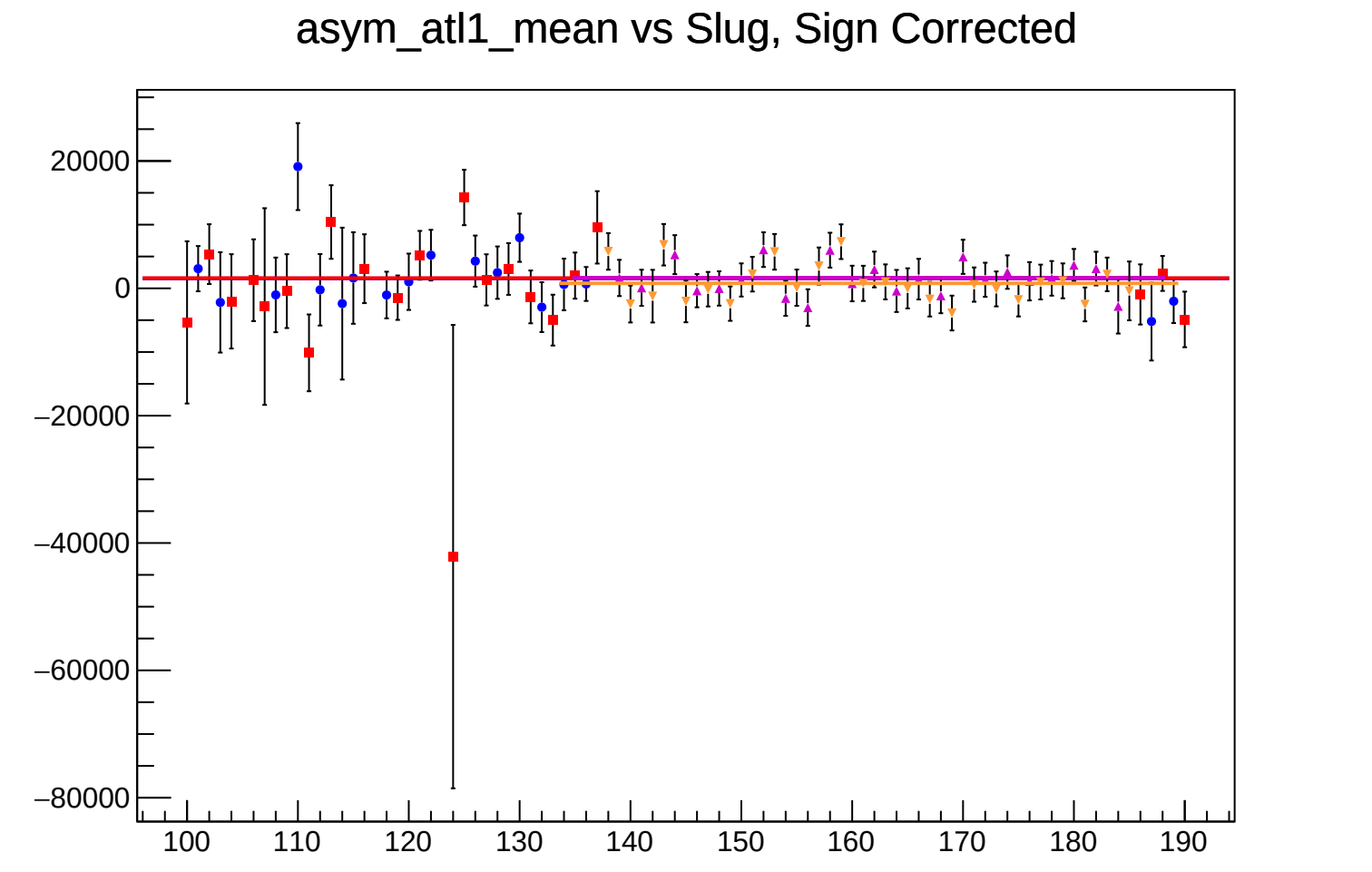
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 1005.062+/-0.189 χ^2/NDF: 4894762.0/38

In: 692.172+/-0.104 χ^2/NDF:7369409.7/40

Out: 706.353+/-0.104 χ^2/NDF:8638087.2/44

All: 699.211+/-0.074 χ^2/NDF: 16016780.0/85



Right In: 1552.559+/-1019.794 χ^2/NDF: 15.9/17

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1598.695+/-998.139 χ^2/NDF: 27.1/21

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

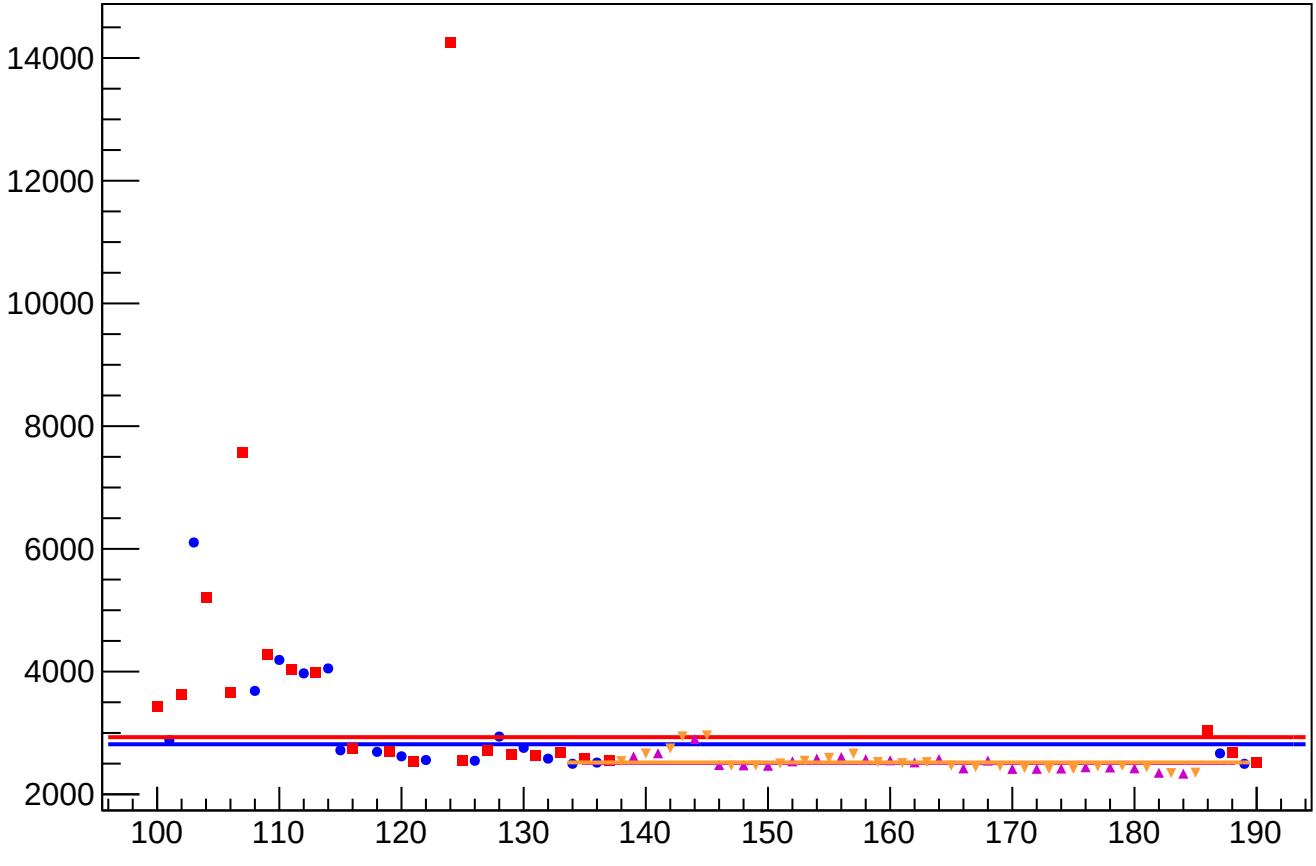
Right: 1576.122+/-713.324 χ^2/NDF: 43.0/39

In: 1629.240+/-508.589 χ^2/NDF:33.3/40

Out: 991.671+/-497.111 χ^2/NDF:54.7/46

All: 1303.180+/-355.499 χ^2/NDF: 88.8/87

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2815.614+/-0.721 χ^2/NDF: 669484.3/17

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2931.334+/-0.706 χ^2/NDF: 1020910.7/21

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

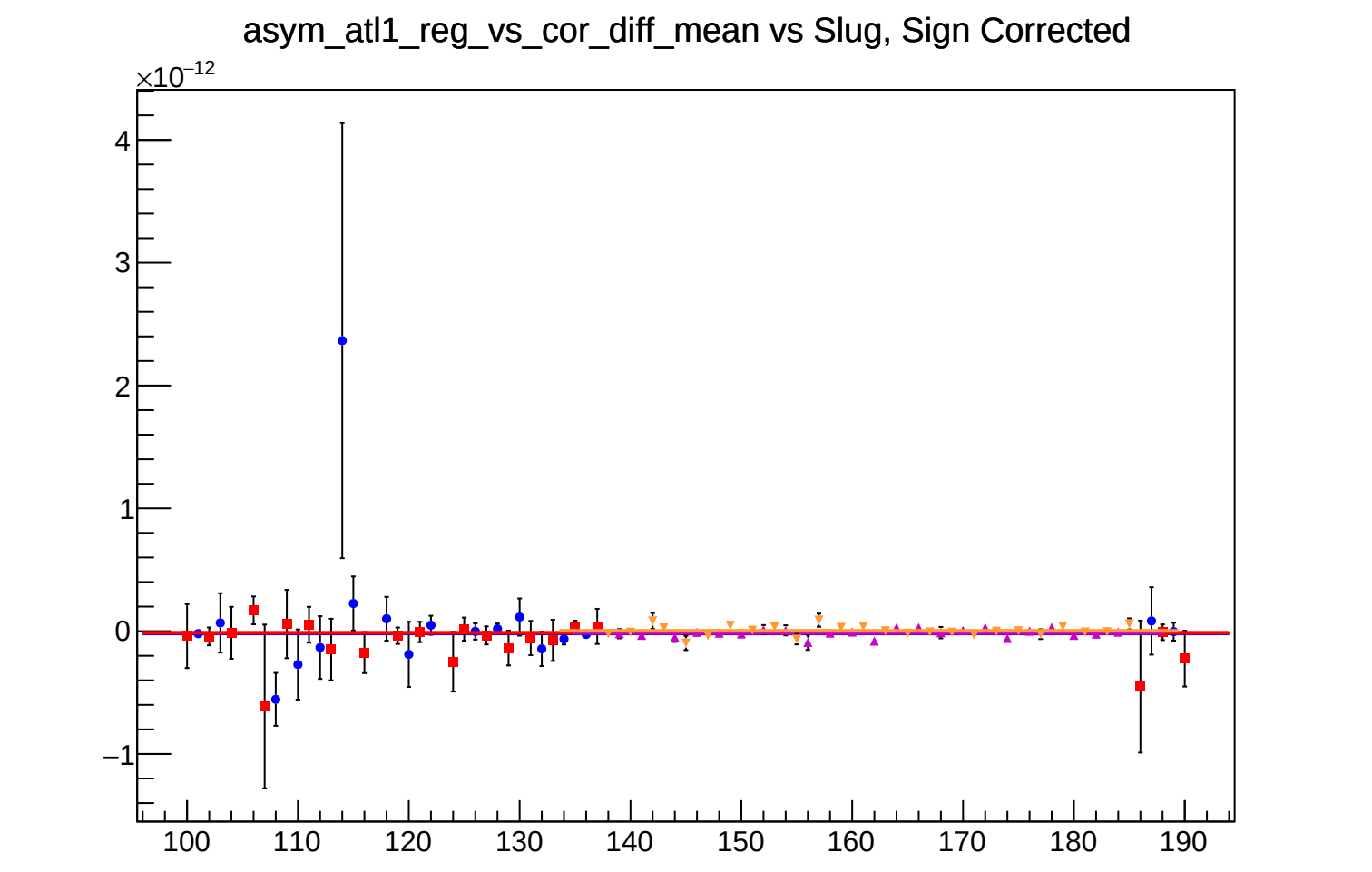
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2874.715+/-0.504 χ^2/NDF: 1703547.6/39

In: 2586.129+/-0.360 χ^2/NDF:878062.1/40

Out: 2621.664+/-0.352 χ^2/NDF:1392122.6/46

All: 2604.302+/-0.251 χ^2/NDF: 2275177.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.9/21

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

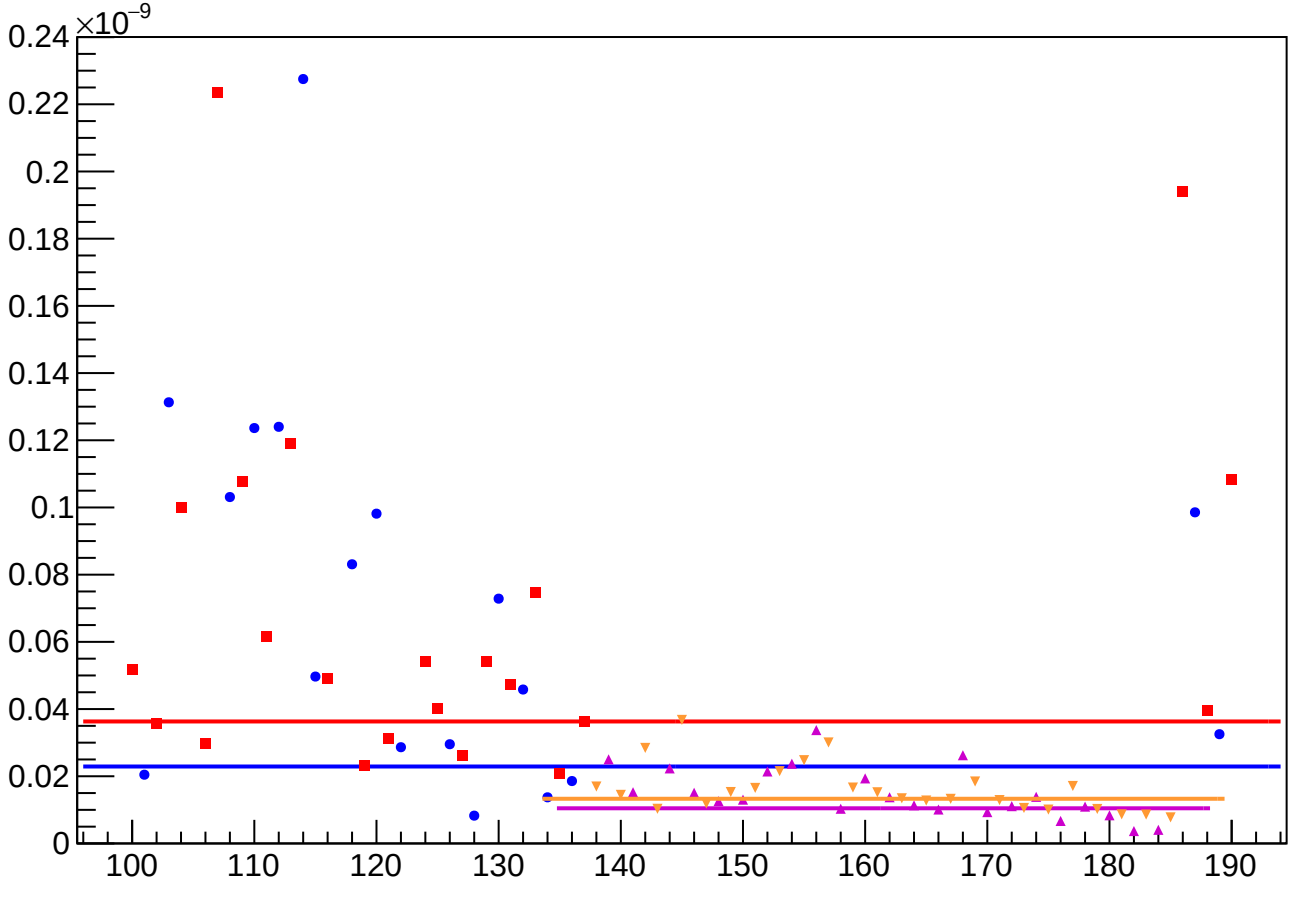
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 25.5/39

In: -0.000+/-0.000 χ^2/NDF:48.0/40

Out: 0.000+/-0.000 χ^2/NDF:39.1/46

All: -0.000+/-0.000 χ^2/NDF: 92.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 2535818.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1631044.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

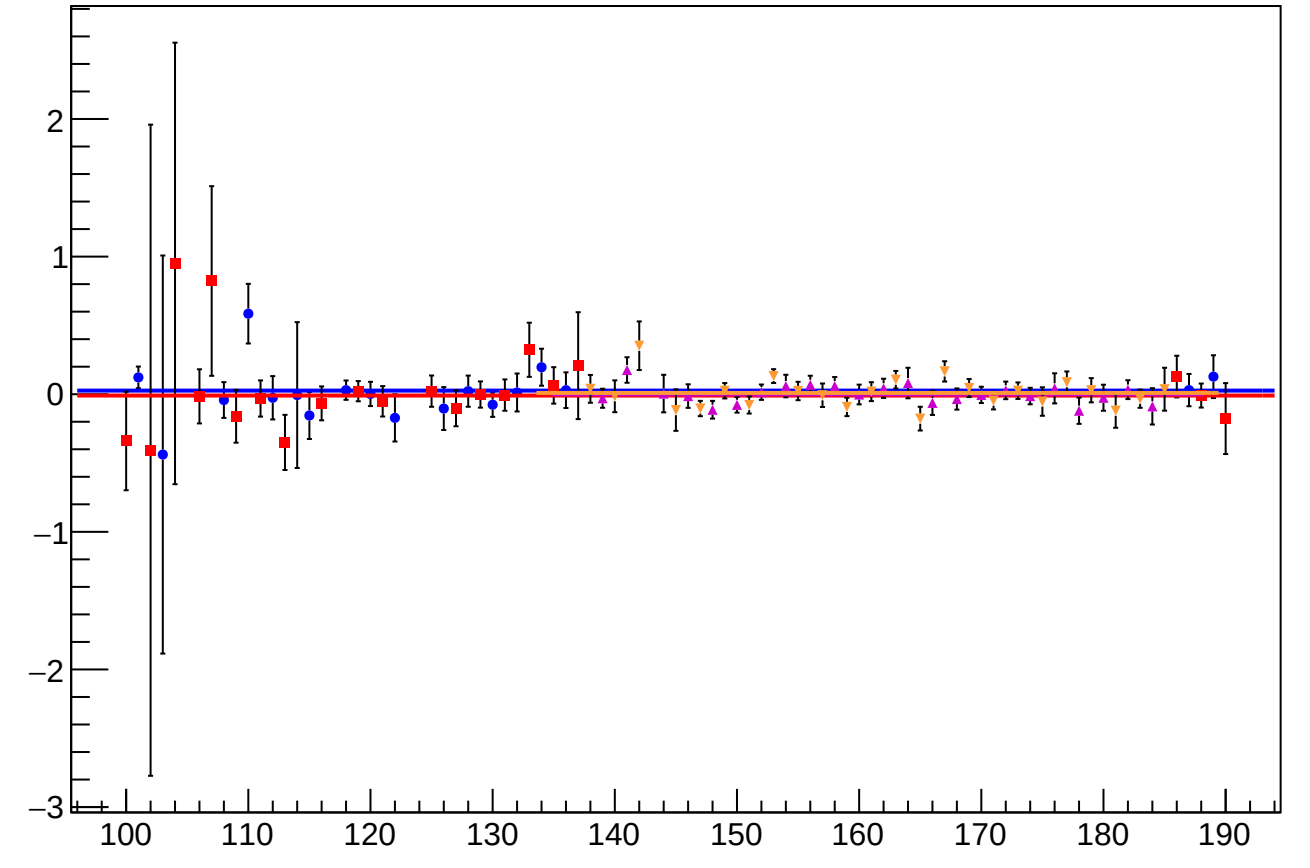
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4620863.1/39

In: 0.000+/-0.000 χ^2/NDF:6379997.9/40

Out: 0.000+/-0.000 χ^2/NDF:5056544.3/46

All: 0.000+/-0.000 χ^2/NDF: 11829630.1/87



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.010+/-0.030 χ^2/NDF: 12.1/20

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

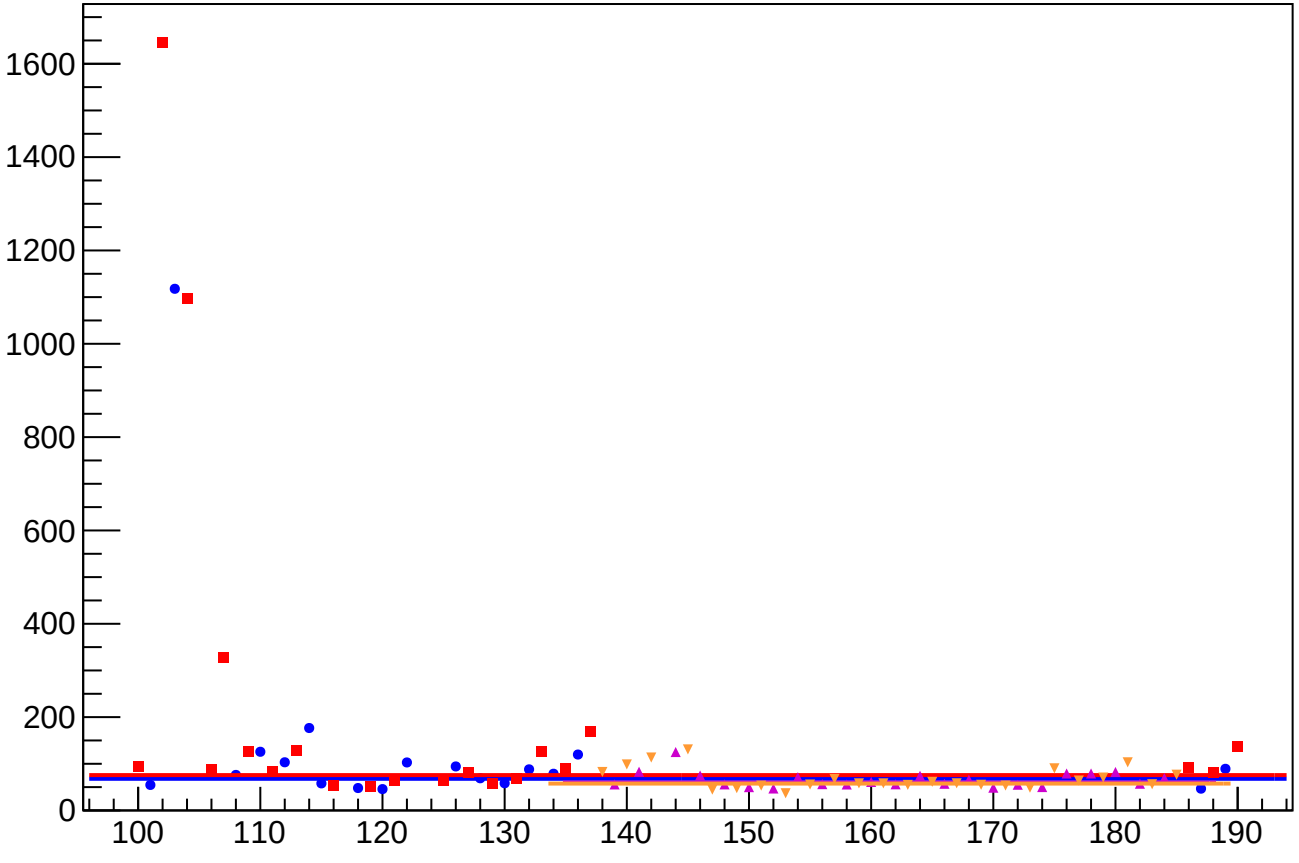
Right: 0.009+/-0.021 χ^2/NDF: 28.1/38

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:47.1/44

All: 0.006+/-0.010 χ^2/NDF: 78.6/85

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.838+/-0.020 χ^2/NDF: 2381643.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 75.757+/-0.021 χ^2/NDF: 3075707.7/20

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

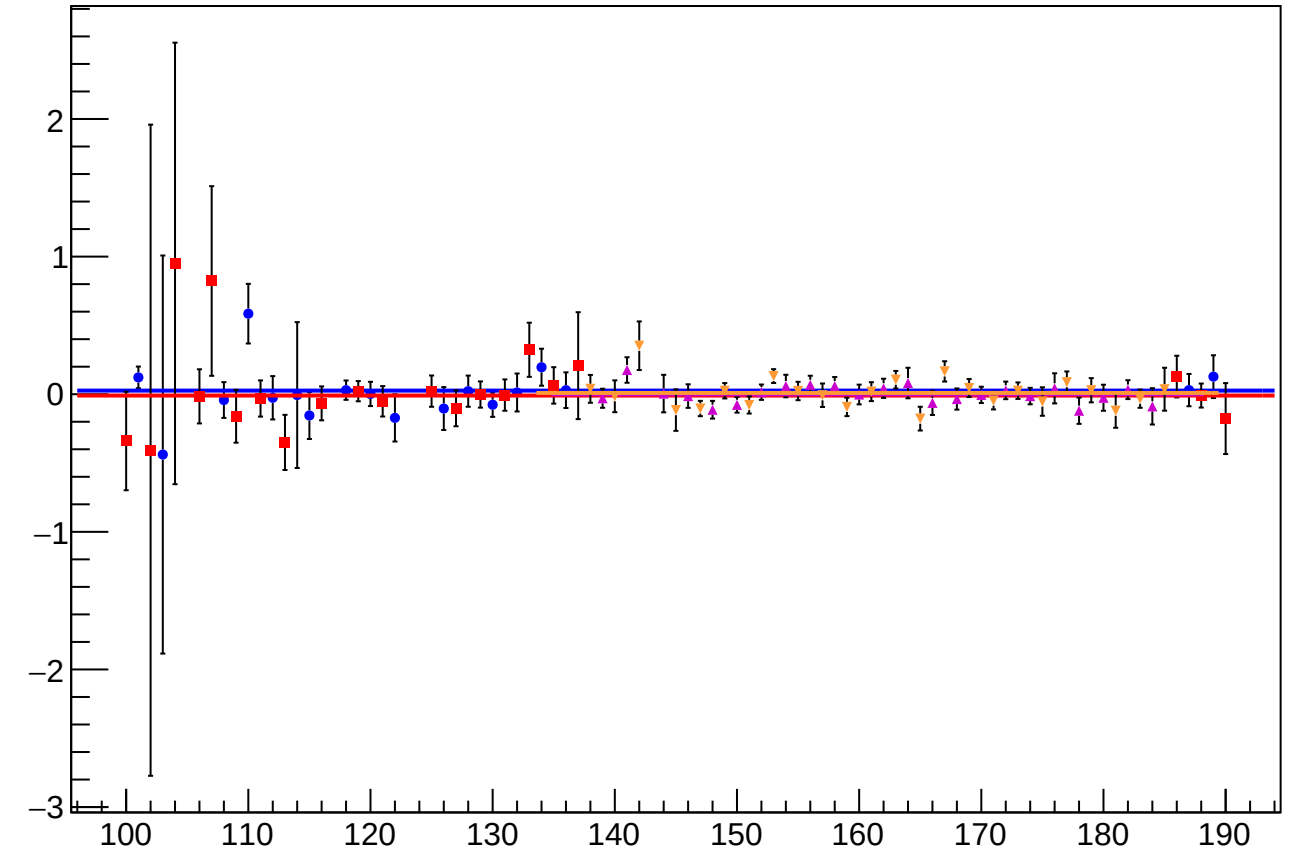
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.571+/-0.015 χ^2/NDF: 5529130.6/38

In: 61.635+/-0.010 χ^2/NDF:3842998.4/40

Out: 61.202+/-0.010 χ^2/NDF:5860875.9/44

All: 61.417+/-0.007 χ^2/NDF: 9704892.3/85



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.010+/-0.030 χ^2/NDF: 12.1/20

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

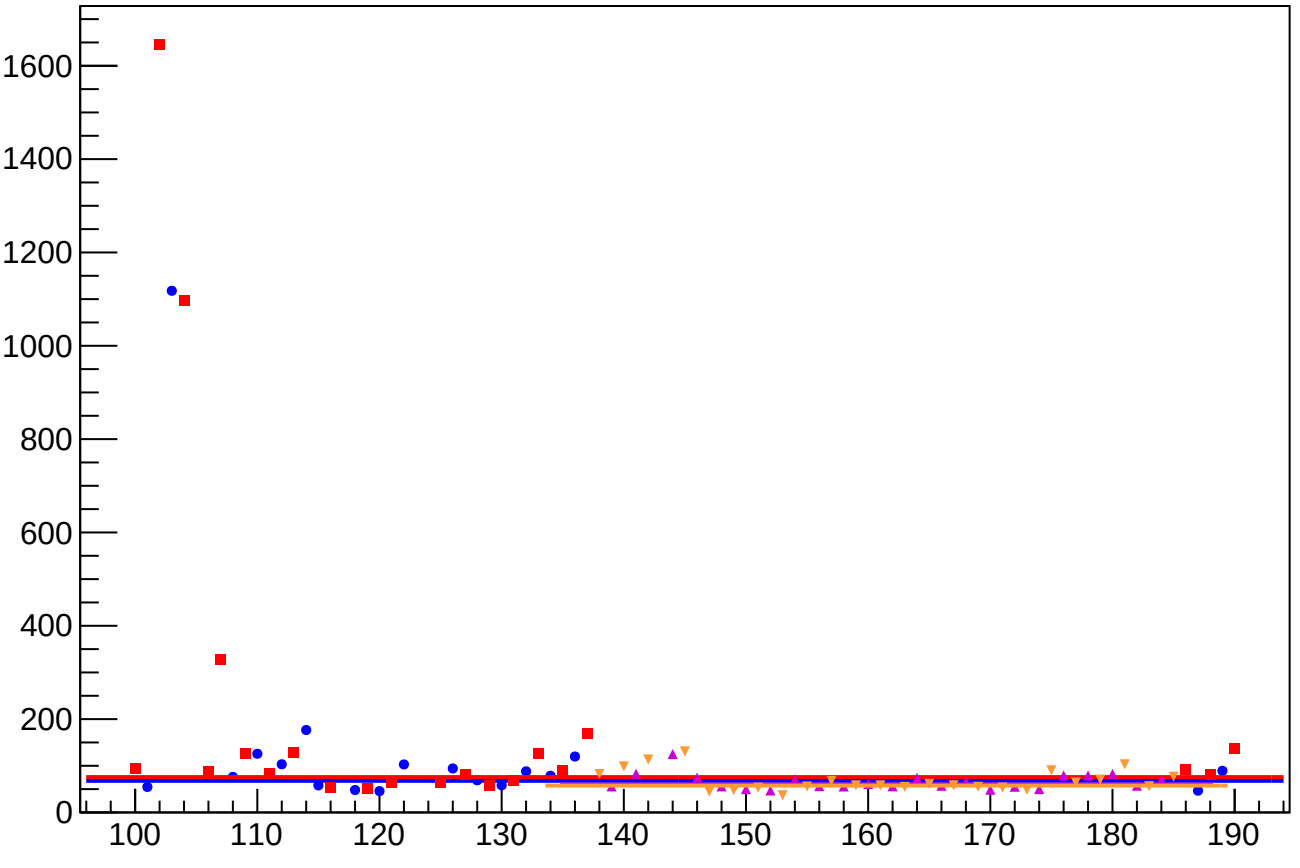
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.009+/-0.021 χ^2/NDF: 28.1/38

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:47.1/44

All: 0.006+/-0.010 χ^2/NDF: 78.6/85



Right In: 67.838+/-0.020 χ^2/NDF: 2381643.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 75.757+/-0.021 χ^2/NDF: 3075707.7/20

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

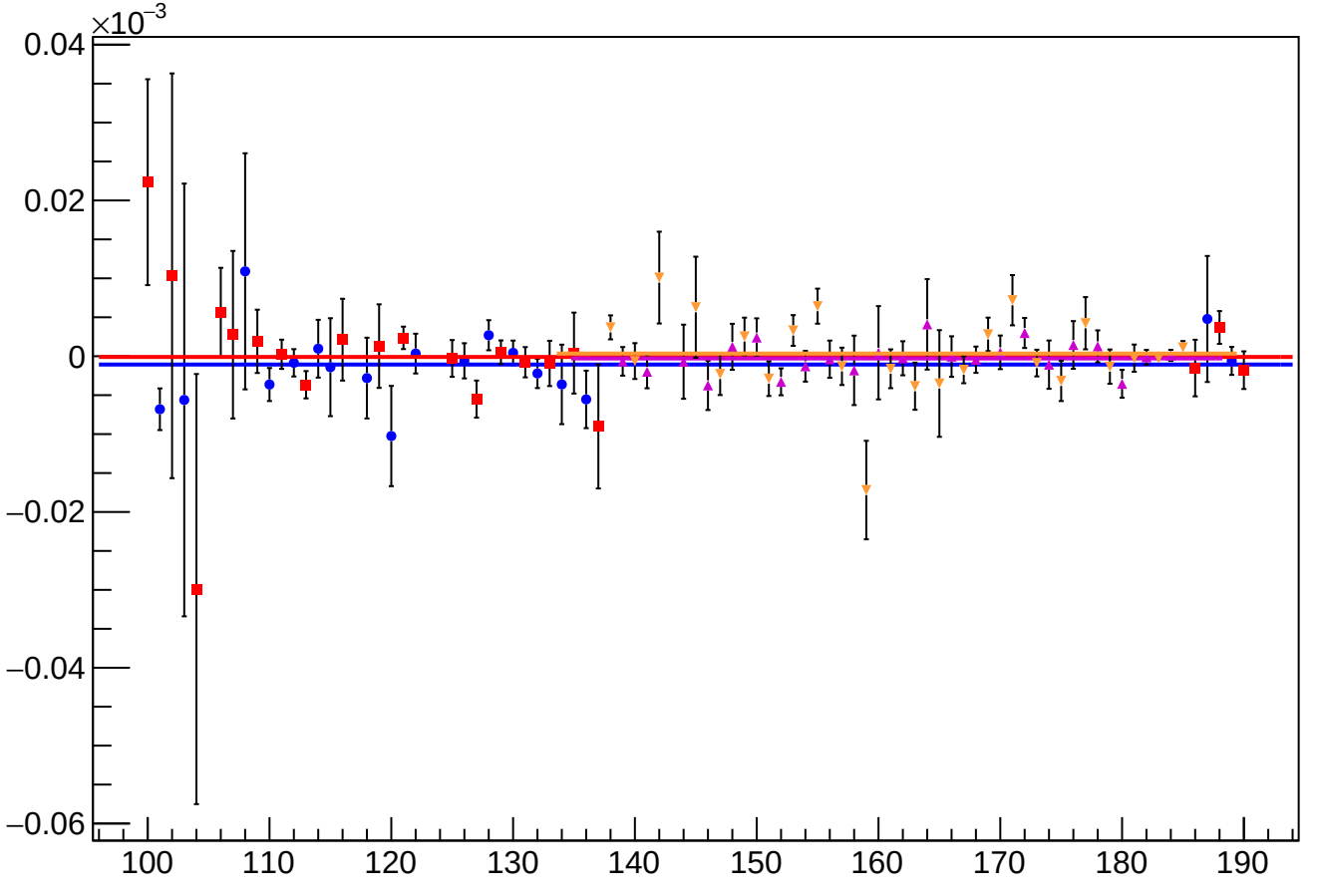
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.571+/-0.015 χ^2/NDF: 5529130.6/38

In: 61.635+/-0.010 χ^2/NDF:3842998.4/40

Out: 61.202+/-0.010 χ^2/NDF:5860875.9/44

All: 61.417+/-0.007 χ^2/NDF: 9704892.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/20

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

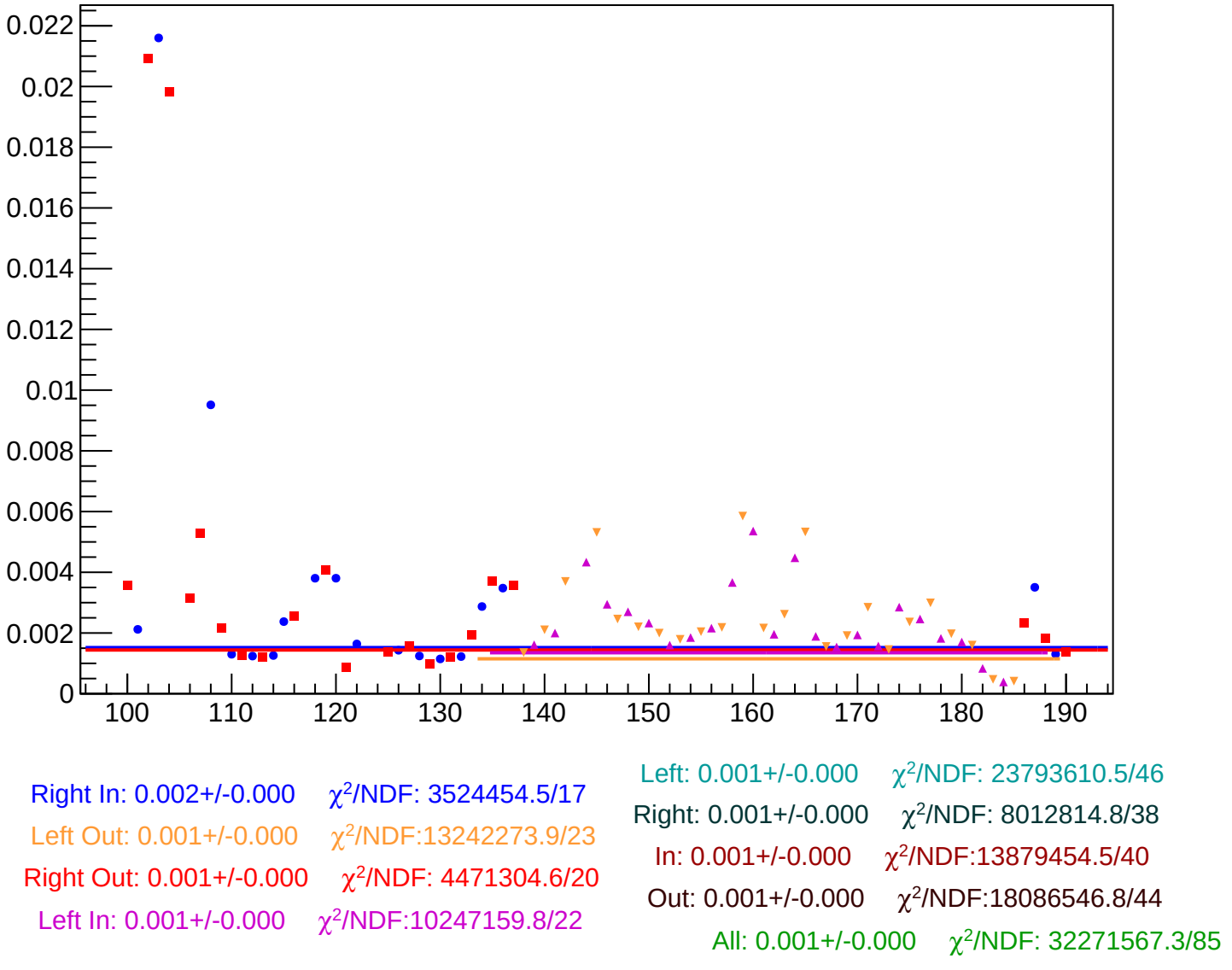
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

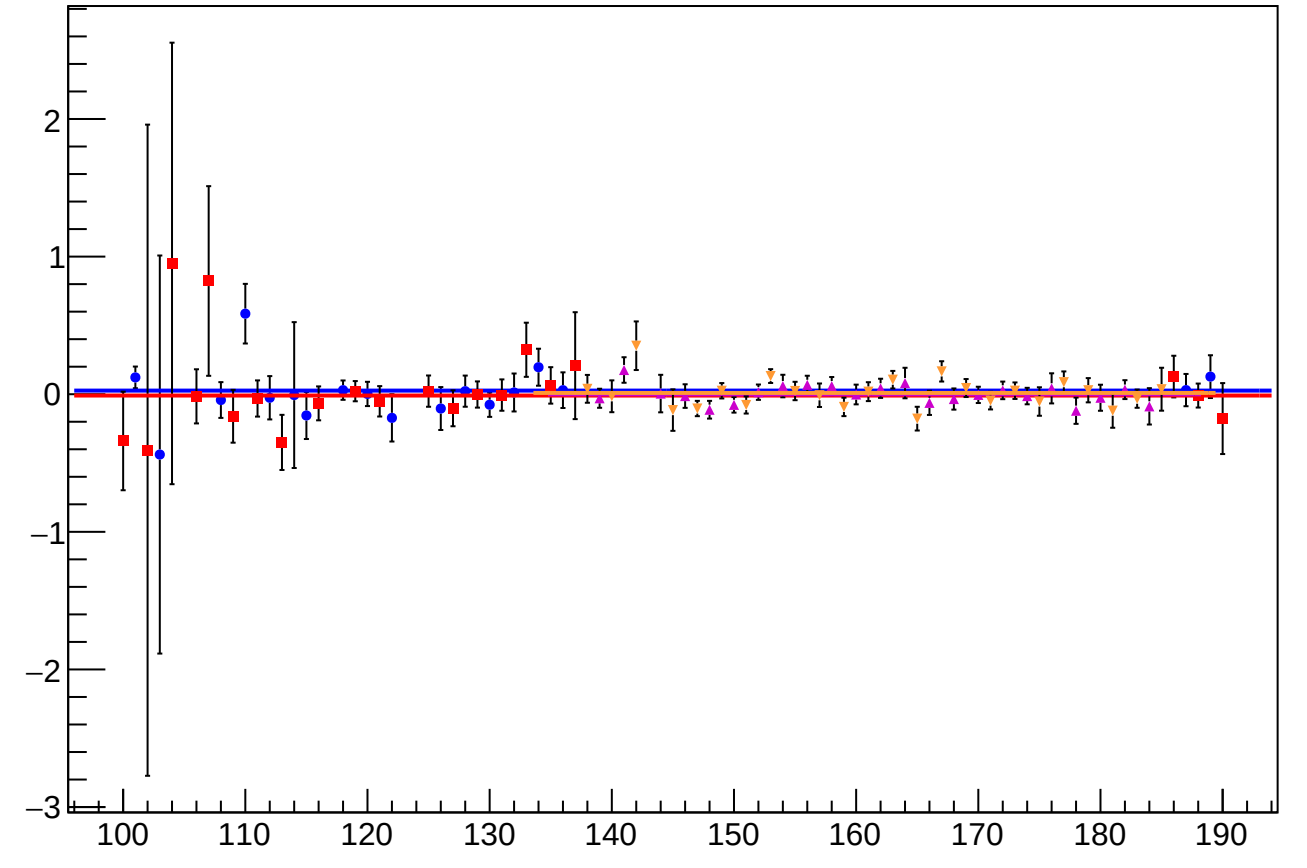
Right: -0.000+/-0.000 χ^2/NDF: 41.7/38

In: -0.000+/-0.000 χ^2/NDF:33.0/40

Out: 0.000+/-0.000 χ^2/NDF:70.7/44

All: -0.000+/-0.000 χ^2/NDF: 106.4/85


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3524454.5/17
Left Out: 0.001+/-0.000 χ²/NDF:13242273.9/23
Right Out: 0.001+/-0.000 χ²/NDF: 4471304.6/20
Left In: 0.001+/-0.000 χ²/NDF:10247159.8/22
Left: 0.001+/-0.000 χ²/NDF: 23793610.5/46
Right: 0.001+/-0.000 χ²/NDF: 8012814.8/38
In: 0.001+/-0.000 χ²/NDF:13879454.5/40
Out: 0.001+/-0.000 χ²/NDF:18086546.8/44
All: 0.001+/-0.000 χ²/NDF: 32271567.3/85



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.010+/-0.030 χ^2/NDF: 12.1/20

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

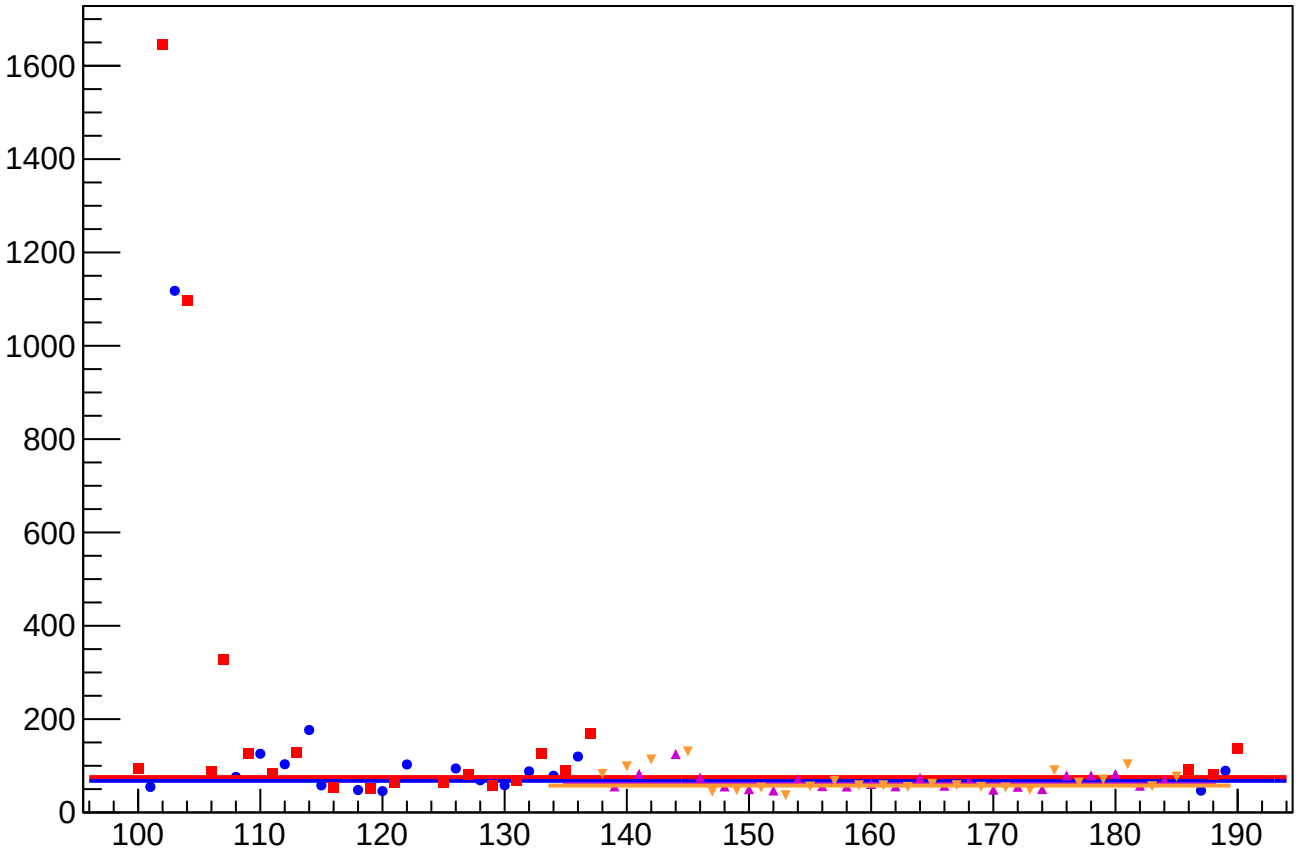
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.009+/-0.021 χ^2/NDF: 28.1/38

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:47.1/44

All: 0.006+/-0.010 χ^2/NDF: 78.6/85



Right In: 67.837+/-0.020 χ^2/NDF: 2381732.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 75.756+/-0.021 χ^2/NDF: 3075724.9/20

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

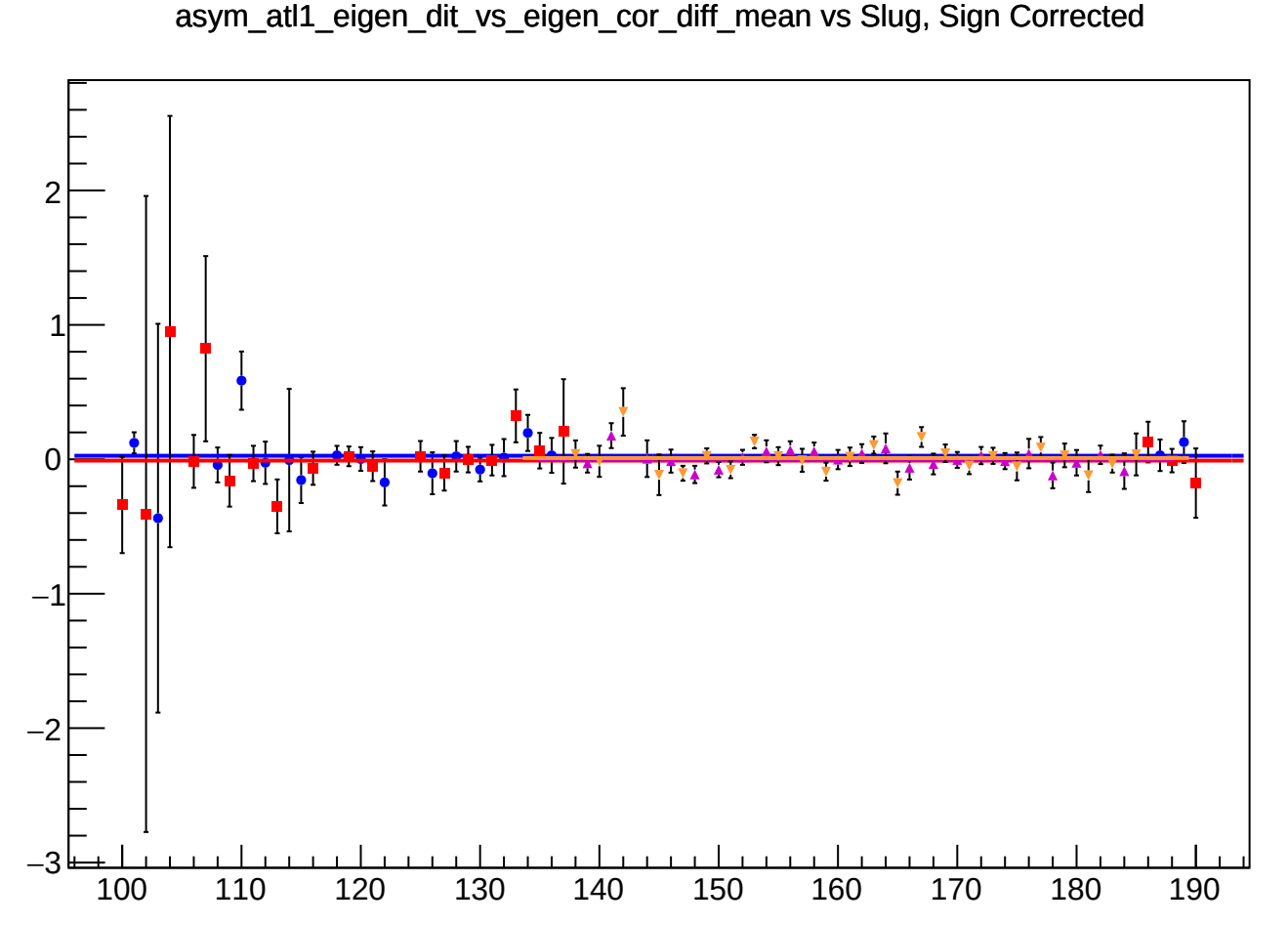
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.570+/-0.015 χ^2/NDF: 5529244.9/38

In: 61.635+/-0.010 χ^2/NDF:3843040.0/40

Out: 61.202+/-0.010 χ^2/NDF:5860936.9/44

All: 61.417+/-0.007 χ^2/NDF: 9704995.0/85



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.010+/-0.030 χ^2/NDF: 12.1/20

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

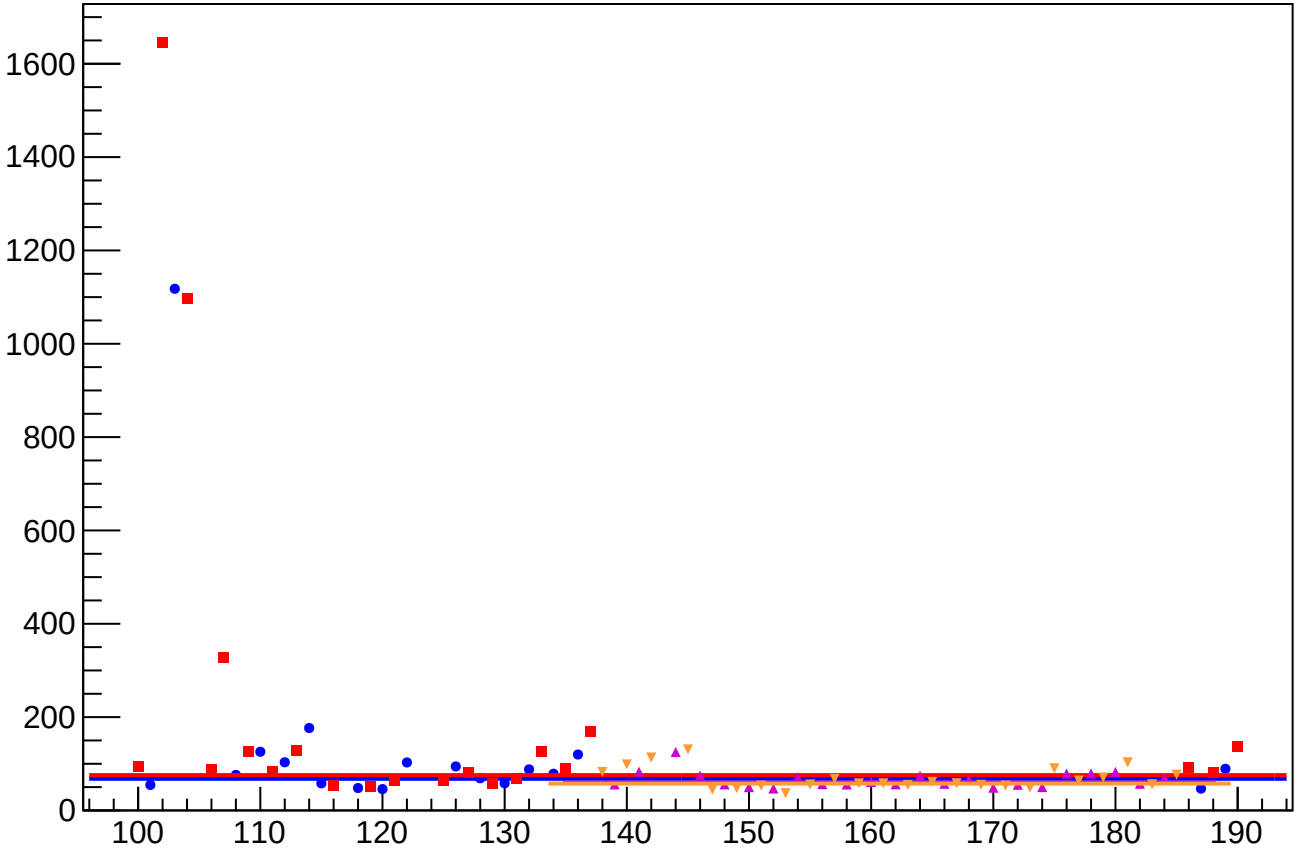
Right: 0.009+/-0.021 χ^2/NDF: 28.1/38

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:47.1/44

All: 0.006+/-0.010 χ^2/NDF: 78.6/85

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.837+/-0.020 χ^2/NDF: 2381732.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 75.756+/-0.021 χ^2/NDF: 3075724.9/20

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

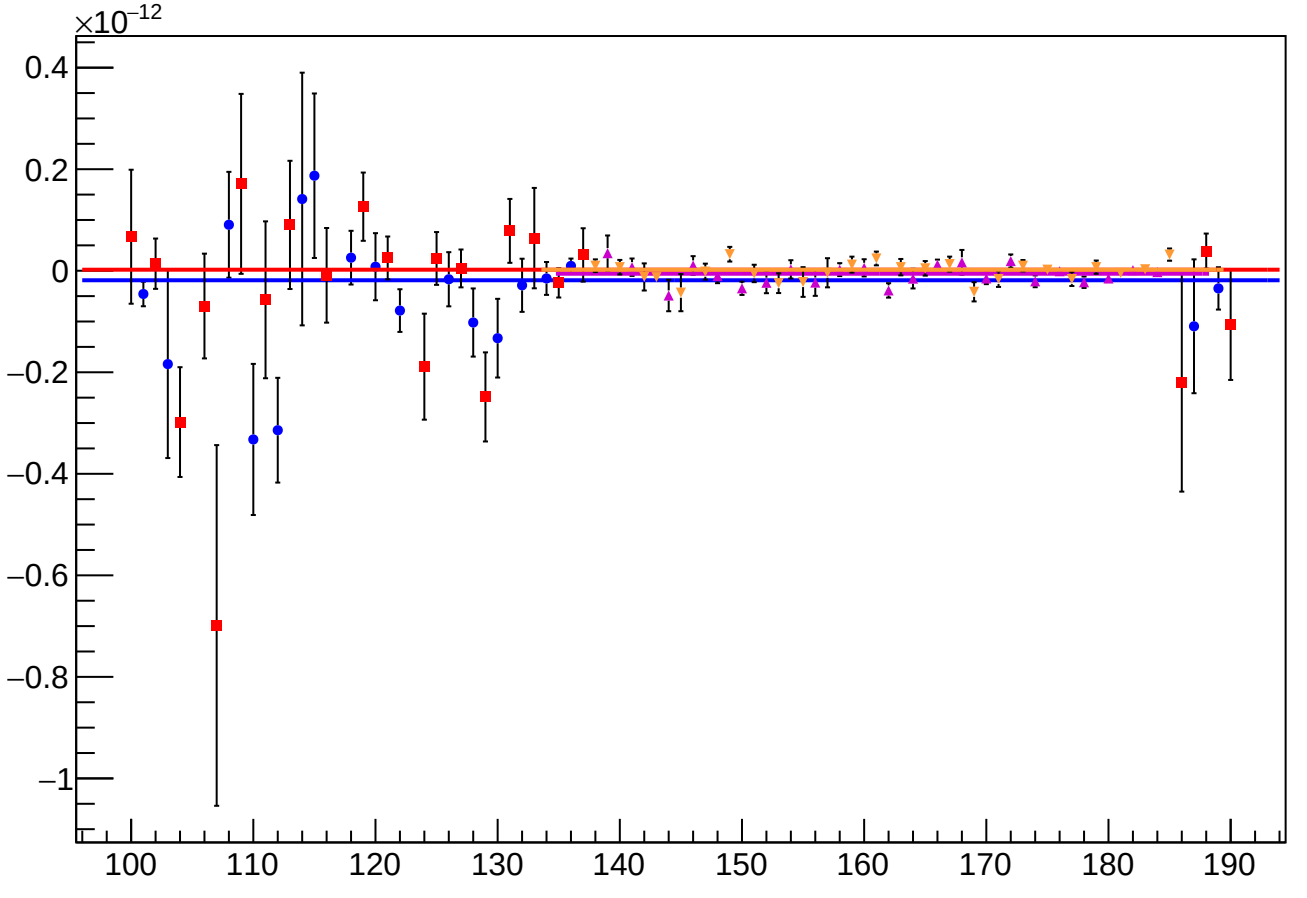
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.570+/-0.015 χ^2/NDF: 5529244.9/38

In: 61.635+/-0.010 χ^2/NDF:3843040.0/40

Out: 61.202+/-0.010 χ^2/NDF:5860936.9/44

All: 61.417+/-0.007 χ^2/NDF: 9704995.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.5/21

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

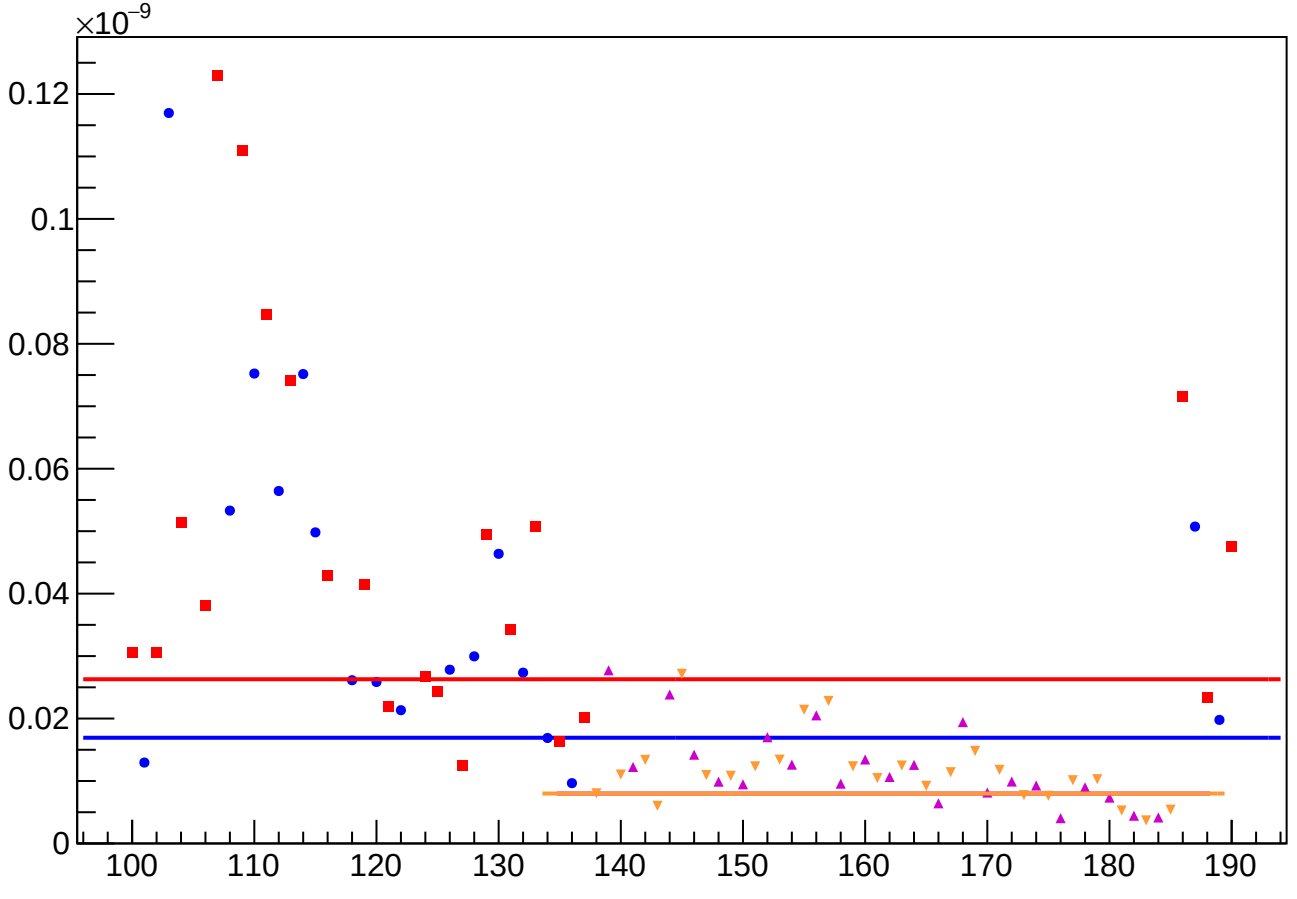
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.1/39

In: -0.000+/-0.000 χ^2/NDF:63.1/40

Out: 0.000+/-0.000 χ^2/NDF:67.4/46

All: -0.000+/-0.000 χ^2/NDF: 137.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 2966955.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2527348.1/21

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

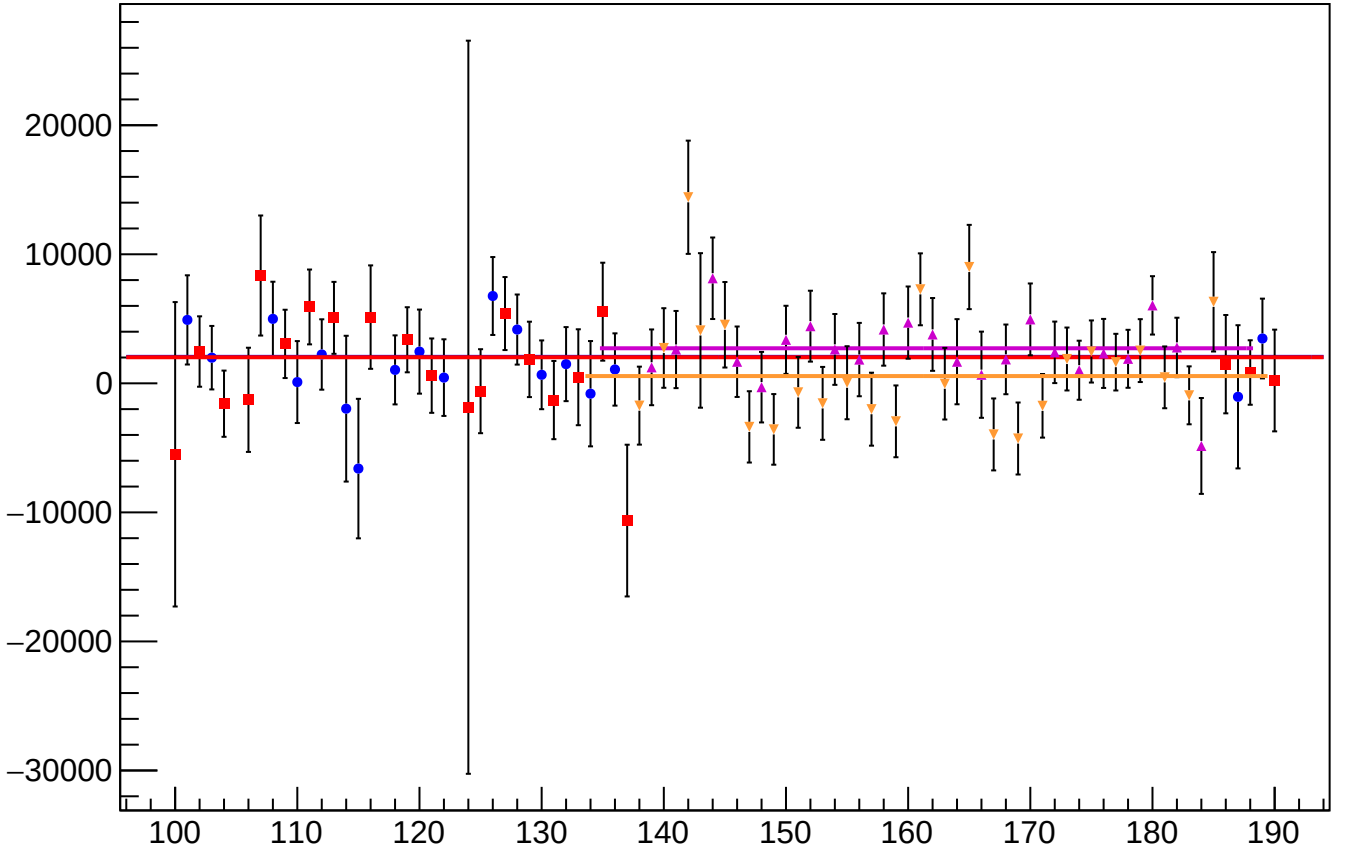
Right: 0.000+/-0.000 χ^2/NDF: 6158373.5/39

In: 0.000+/-0.000 χ^2/NDF:9747040.2/40

Out: 0.000+/-0.000 χ^2/NDF:11209833.6/46

All: 0.000+/-0.000 χ^2/NDF: 20957361.0/87

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2050.932+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2021.402+/-699.718 χ^2/NDF: 18.7/21

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

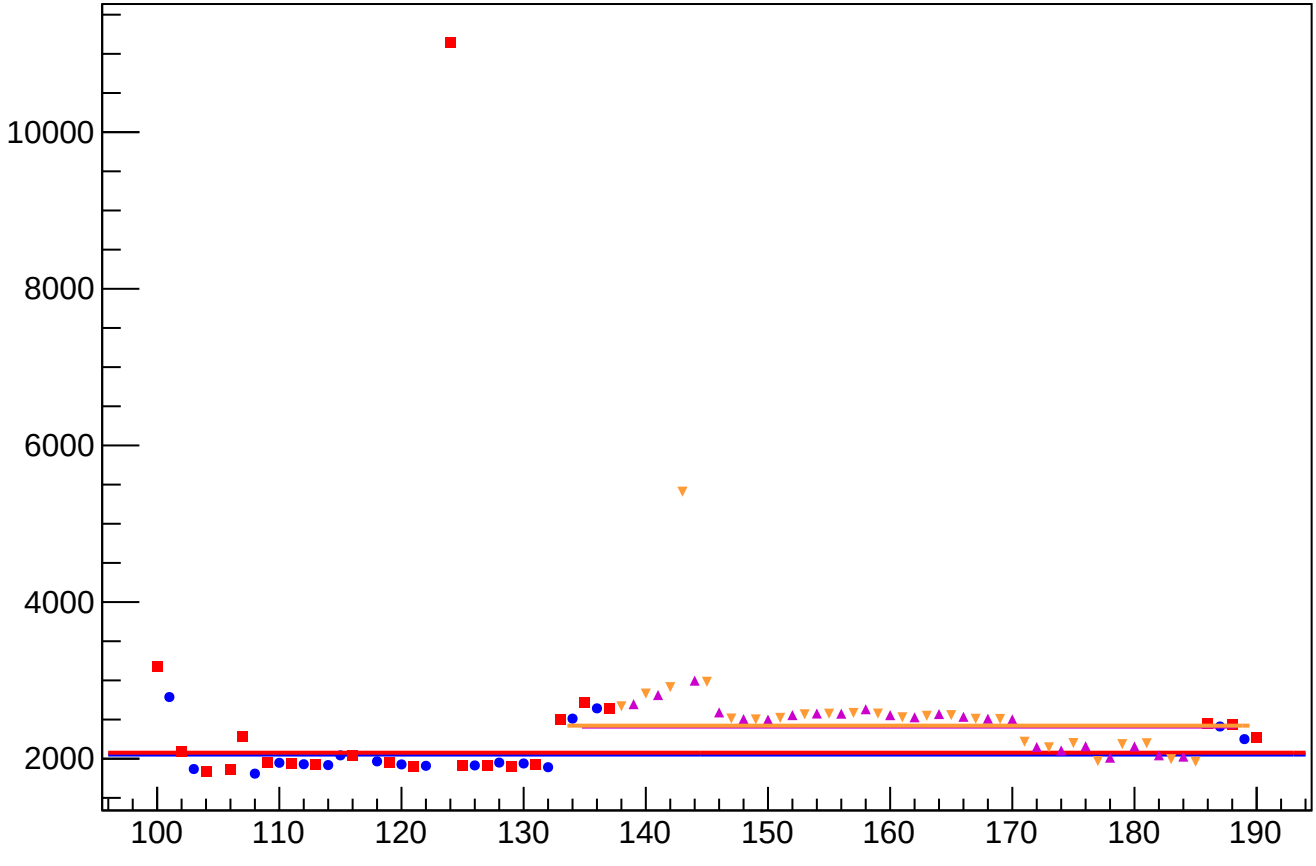
Right: 2035.432+/-506.934 χ^2/NDF: 28.8/39

In: 2468.626+/-448.644 χ^2/NDF:24.9/40

Out: 1128.708+/-435.937 χ^2/NDF:65.3/46

All: 1779.423+/-312.650 χ^2/NDF: 94.8/87

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.7/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2076.737+/-0.495 χ^2/NDF: 467604.2/21

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

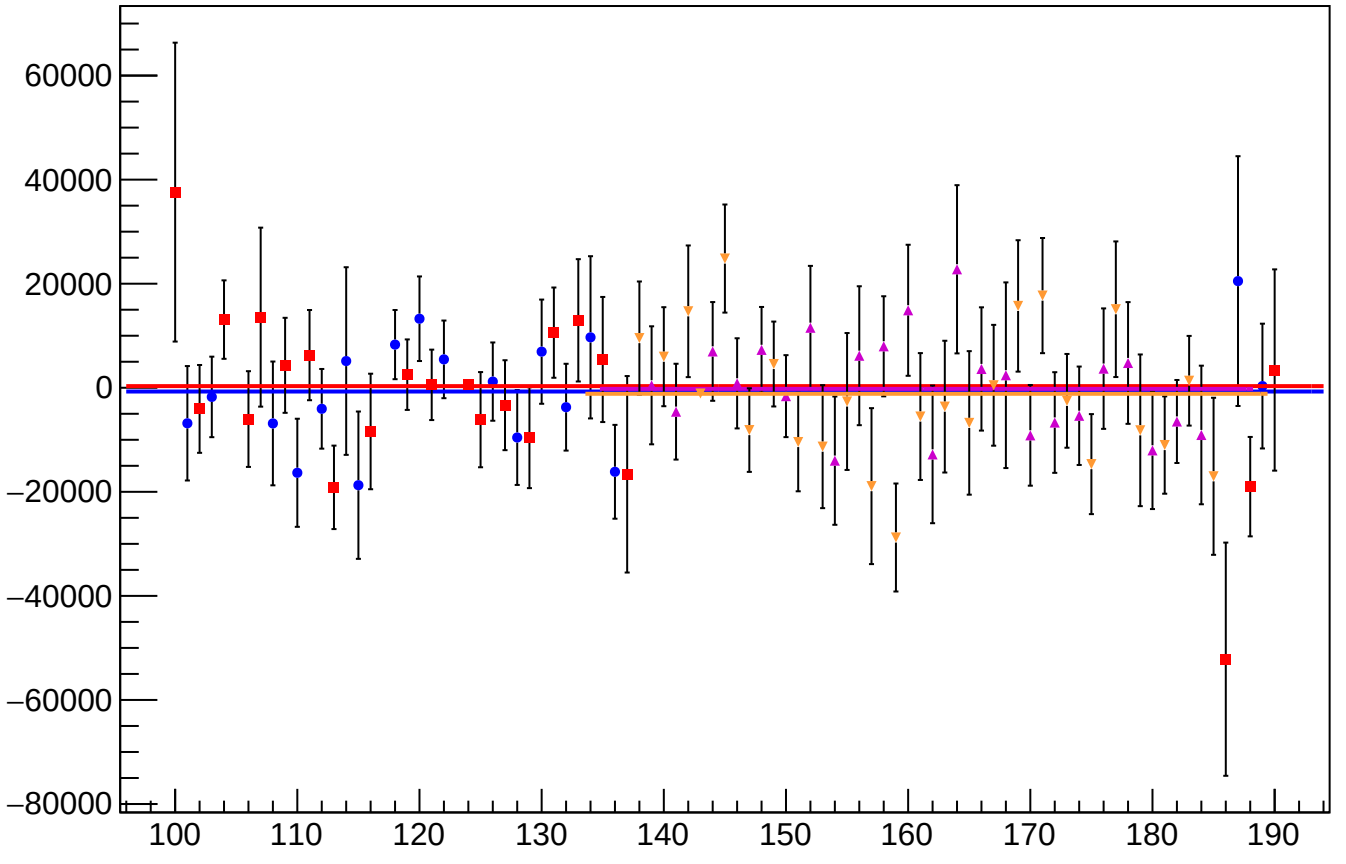
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2065.469+/-0.358 χ^2/NDF: 749351.6/39

In: 2277.040+/-0.317 χ^2/NDF:1004578.9/40

Out: 2288.078+/-0.308 χ^2/NDF:1718663.1/46

All: 2282.718+/-0.221 χ^2/NDF: 2723864.8/87



Right In: -721.465+/-2228.803 χ^2/NDF: 16.1/17

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 315.603+/-764.769 χ^2/NDF: 28.1/21

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

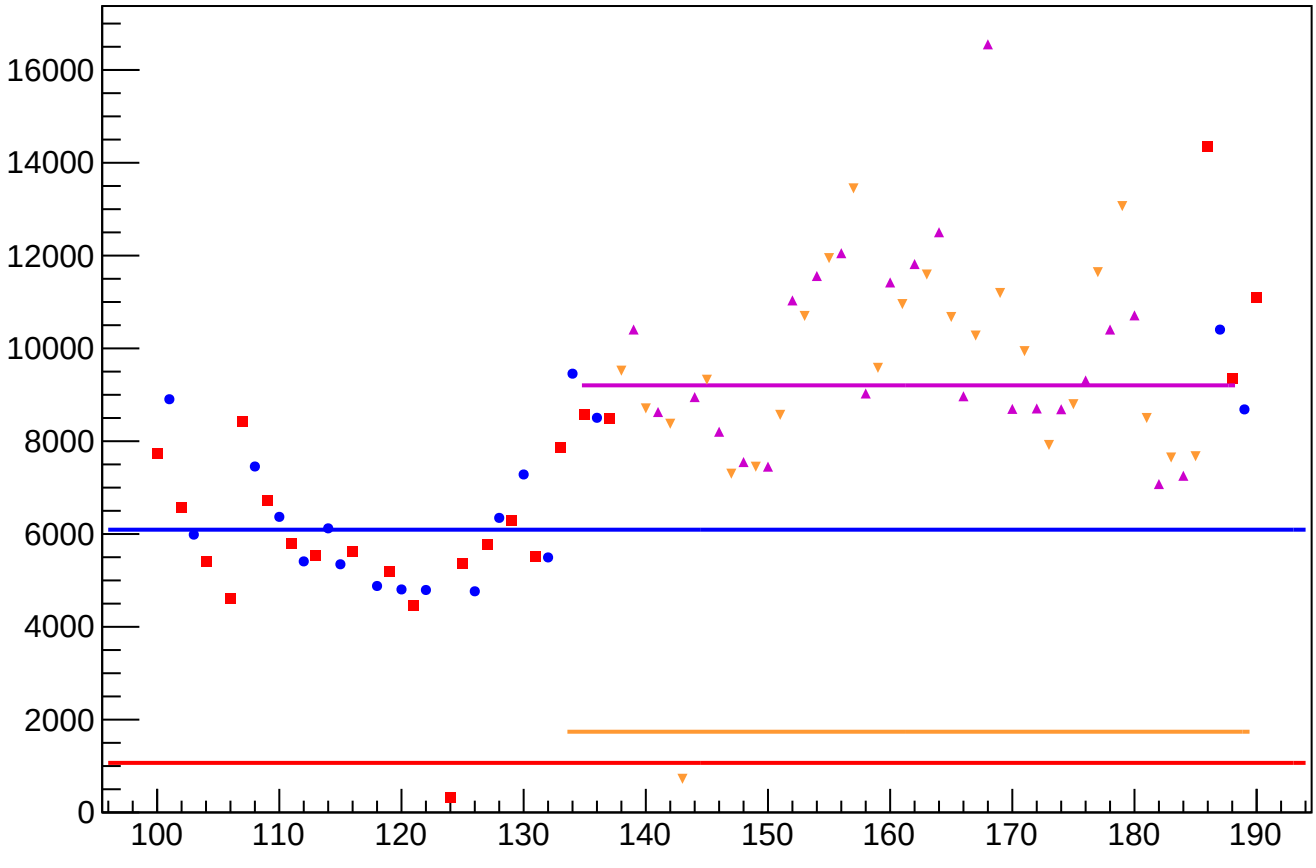
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 206.362+/-723.370 χ^2/NDF: 44.4/39

In: -461.656+/-1563.935 χ^2/NDF:29.6/40

Out: -428.054+/-538.291 χ^2/NDF:61.9/46

All: -431.613+/-508.986 χ^2/NDF: 91.5/87



Right In: 6093.256+/-1.576 χ^2/NDF: 854028.5/17

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1068.295+/-0.541 χ^2/NDF: 14183326.6/21

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

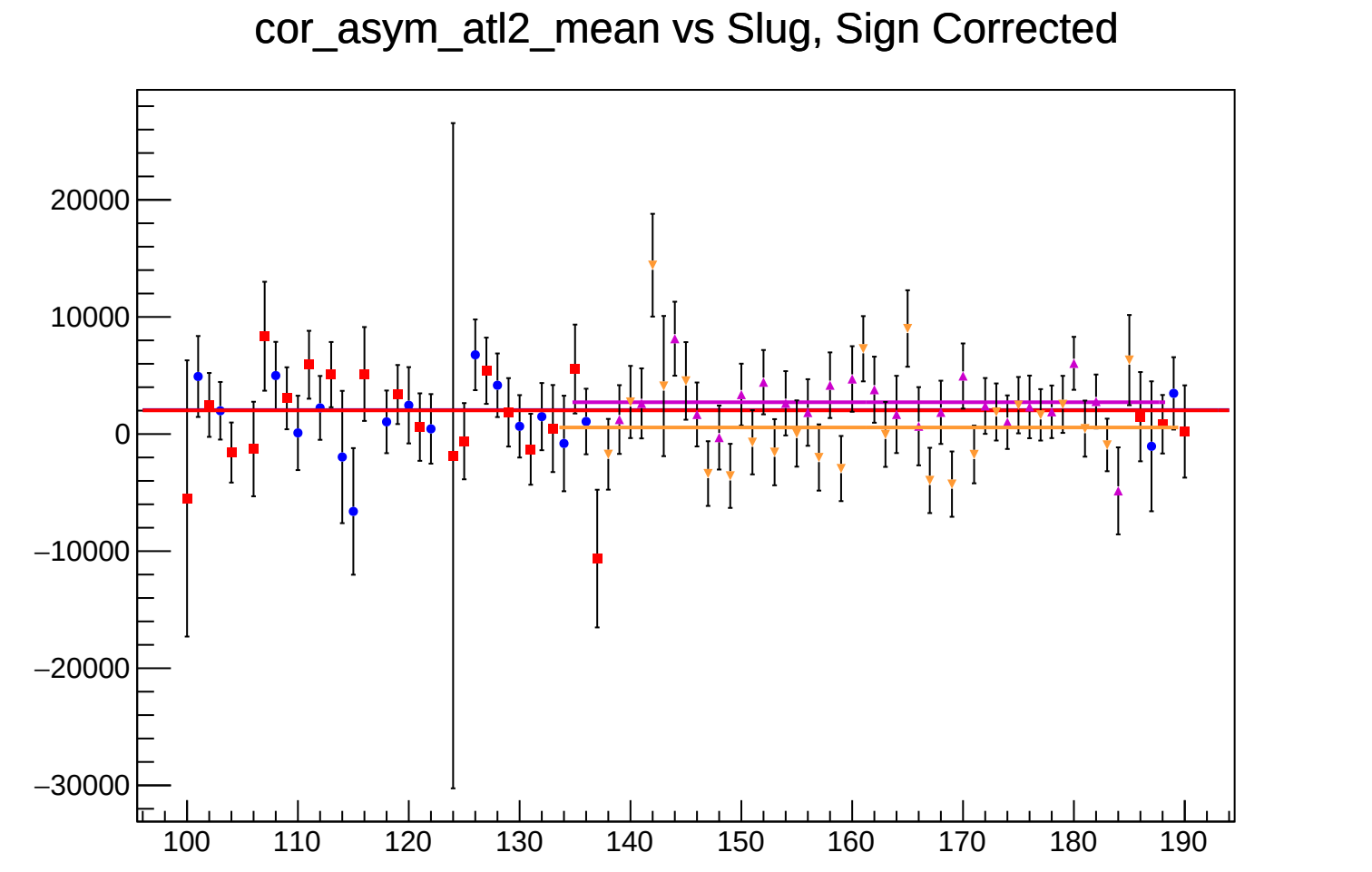
Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

Right: 1597.604+/-0.511 χ^2/NDF: 24132548.1/39

In: 7672.233+/-1.106 χ^2/NDF:4103485.9/40

Out: 1407.067+/-0.381 χ^2/NDF:42695154.2/46

All: 2070.668+/-0.360 χ^2/NDF: 75495512.2/8



Right In: 2051.100+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2022.977+/-699.724 χ^2/NDF: 18.7/21

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

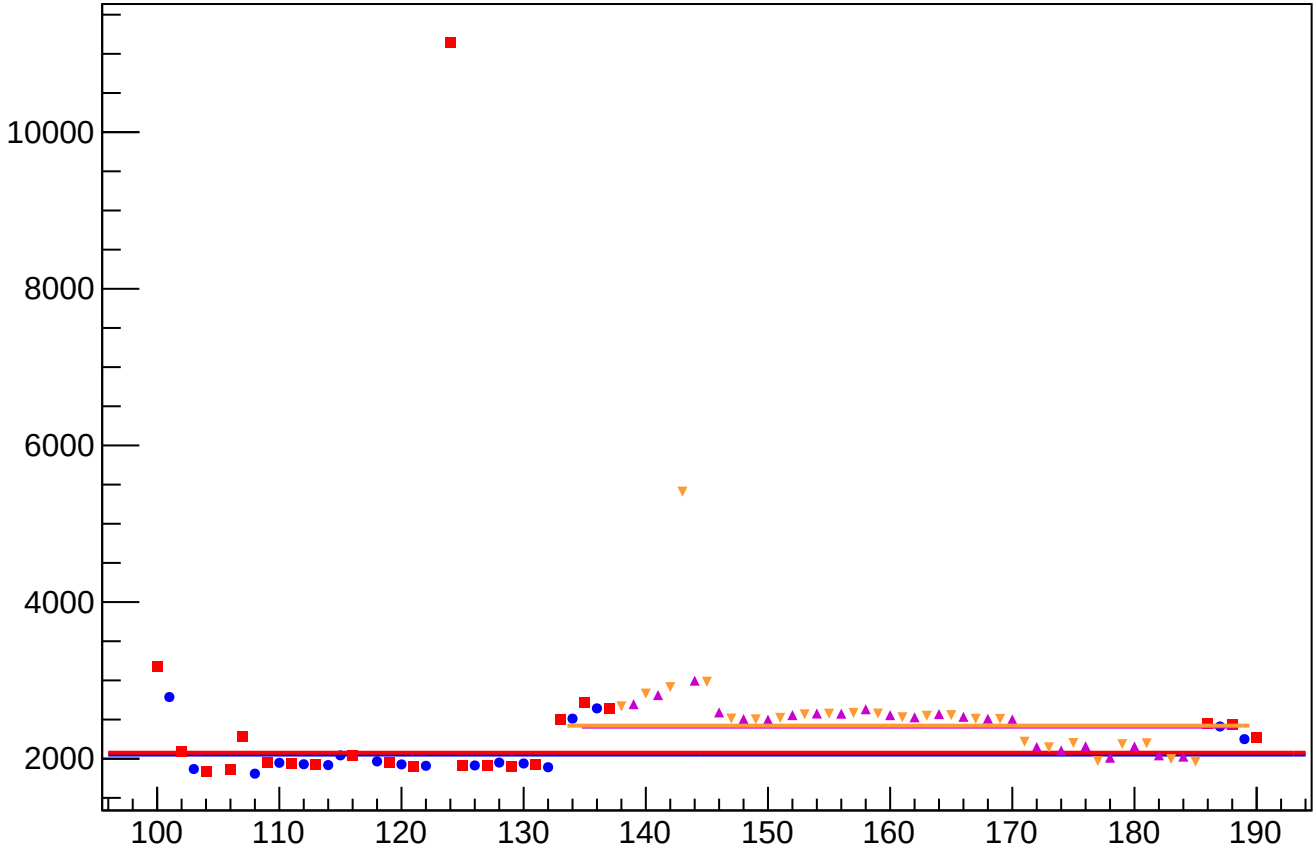
Right: 2036.339+/-506.936 χ^2/NDF: 28.8/39

In: 2468.665+/-448.644 χ^2/NDF:24.9/40

Out: 1129.315+/-435.938 χ^2/NDF:65.3/46

All: 1779.756+/-312.650 χ^2/NDF: 94.8/87

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2076.757+/-0.495 χ^2/NDF: 467607.3/21

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

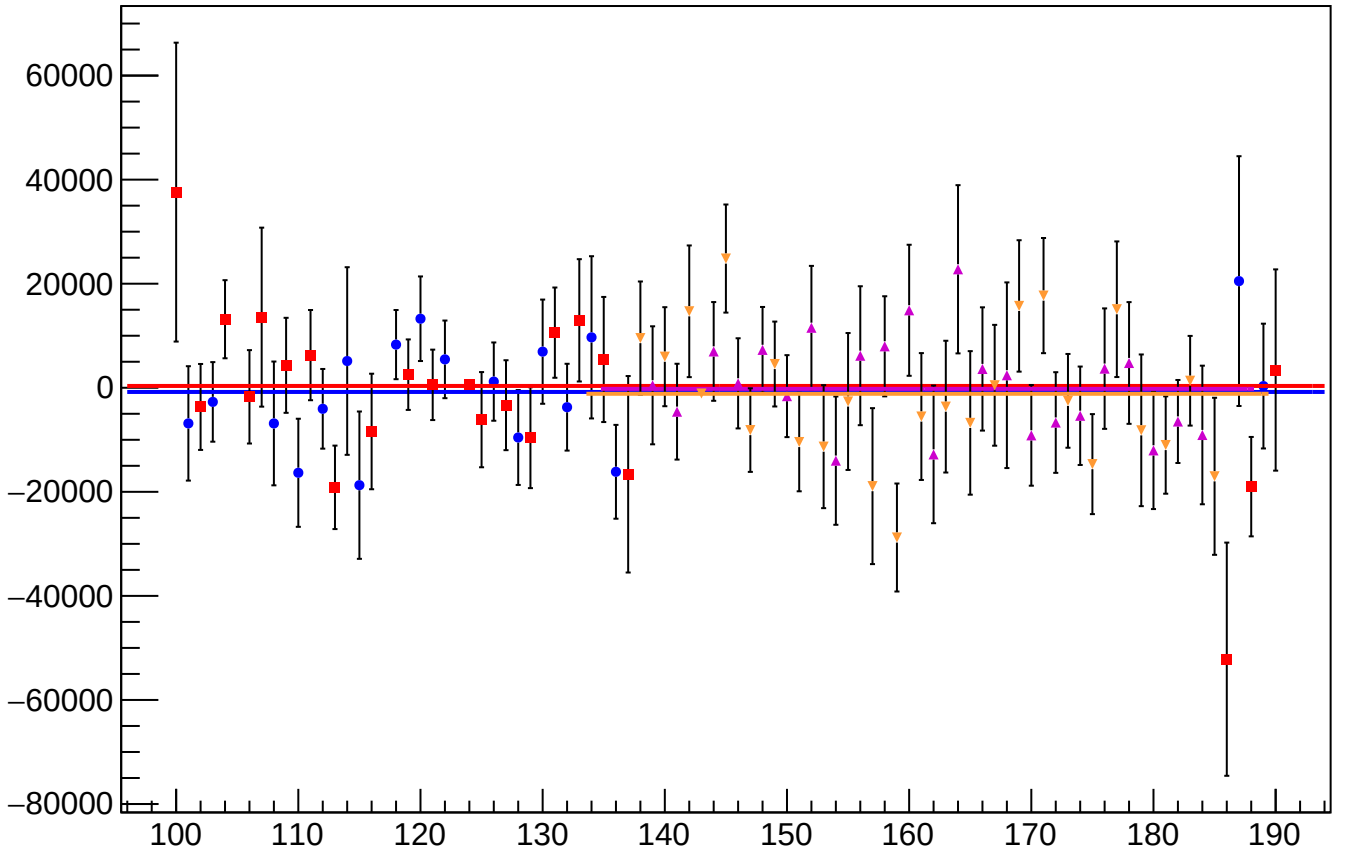
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2065.479+/-0.358 χ^2/NDF: 749356.4/39

In: 2277.040+/-0.317 χ^2/NDF:1004579.0/40

Out: 2288.087+/-0.308 χ^2/NDF:1718629.7/46

All: 2282.722+/-0.221 χ^2/NDF: 2723832.5/87



Right In: -805.550+/-2226.603 χ^2/NDF: 16.2/17

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 348.771+/-764.434 χ^2/NDF: 27.7/21

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

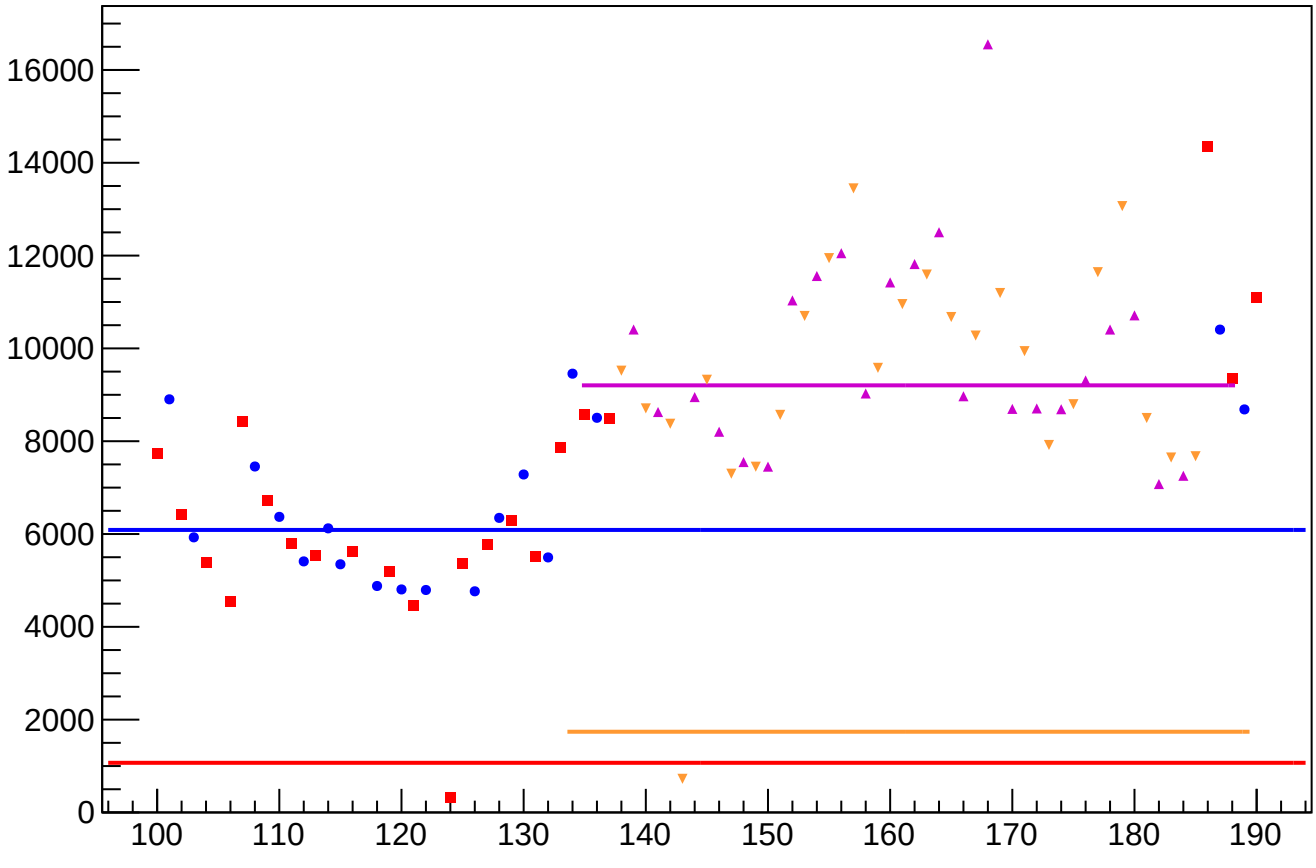
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 227.059+/-723.011 χ^2/NDF: 44.1/39

In: -503.273+/-1563.173 χ^2/NDF:29.6/40

Out: -411.236+/-538.151 χ^2/NDF:61.6/46

All: -420.988+/-508.841 χ^2/NDF: 91.2/87



Right In: 6088.054+/-1.574 χ^2/NDF: 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1069.933+/-0.541 χ^2/NDF: 14178506.0/21

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

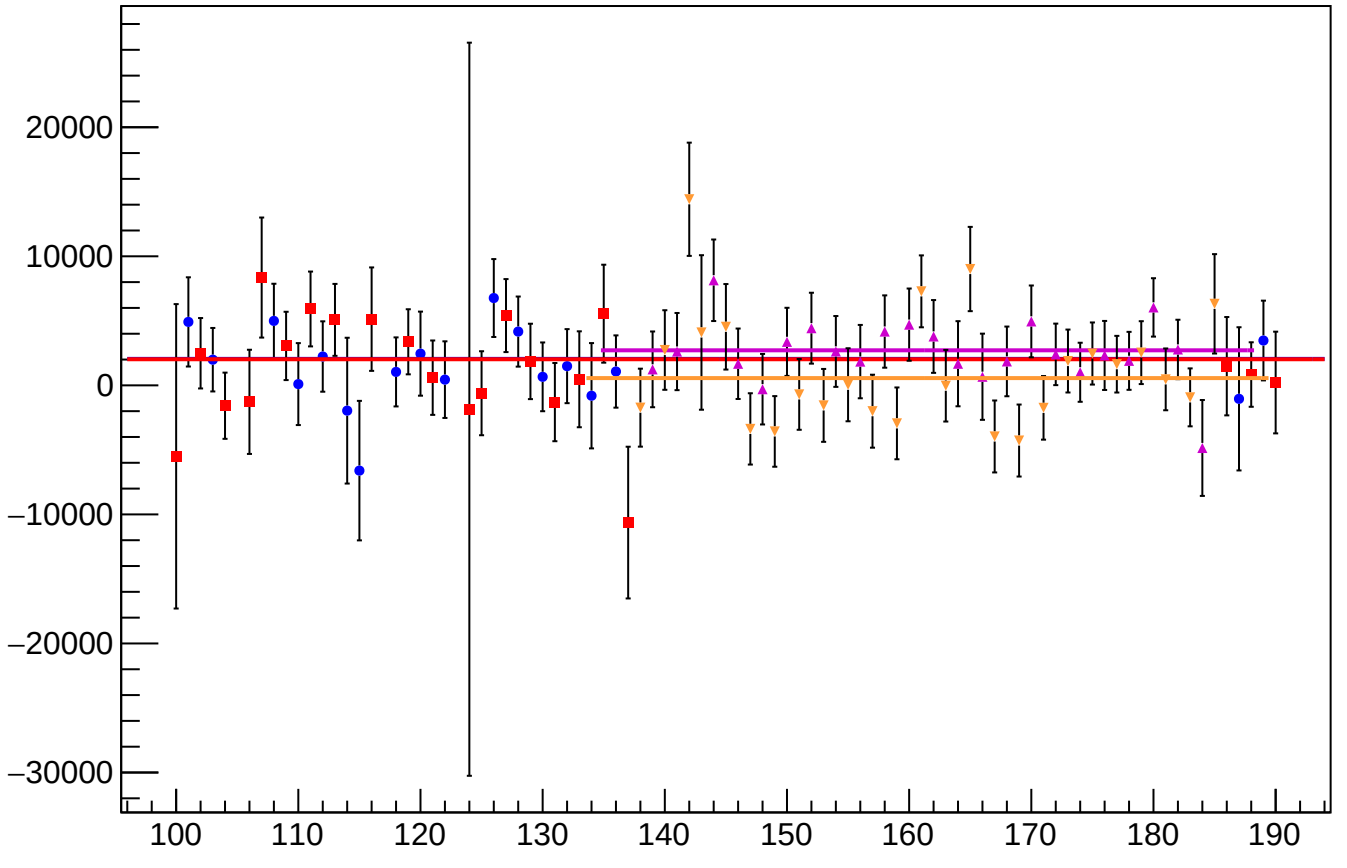
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1599.042+/-0.511 χ^2/NDF: 24120281.8/39

In: 7668.127+/-1.105 χ^2/NDF:4112508.3/40

Out: 1407.643+/-0.381 χ^2/NDF:42687454.6/46

All: 2071.018+/-0.360 χ^2/NDF: 75480533.0/8



Right In: 2051.100+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2022.977+/-699.724 χ^2/NDF: 18.7/21

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

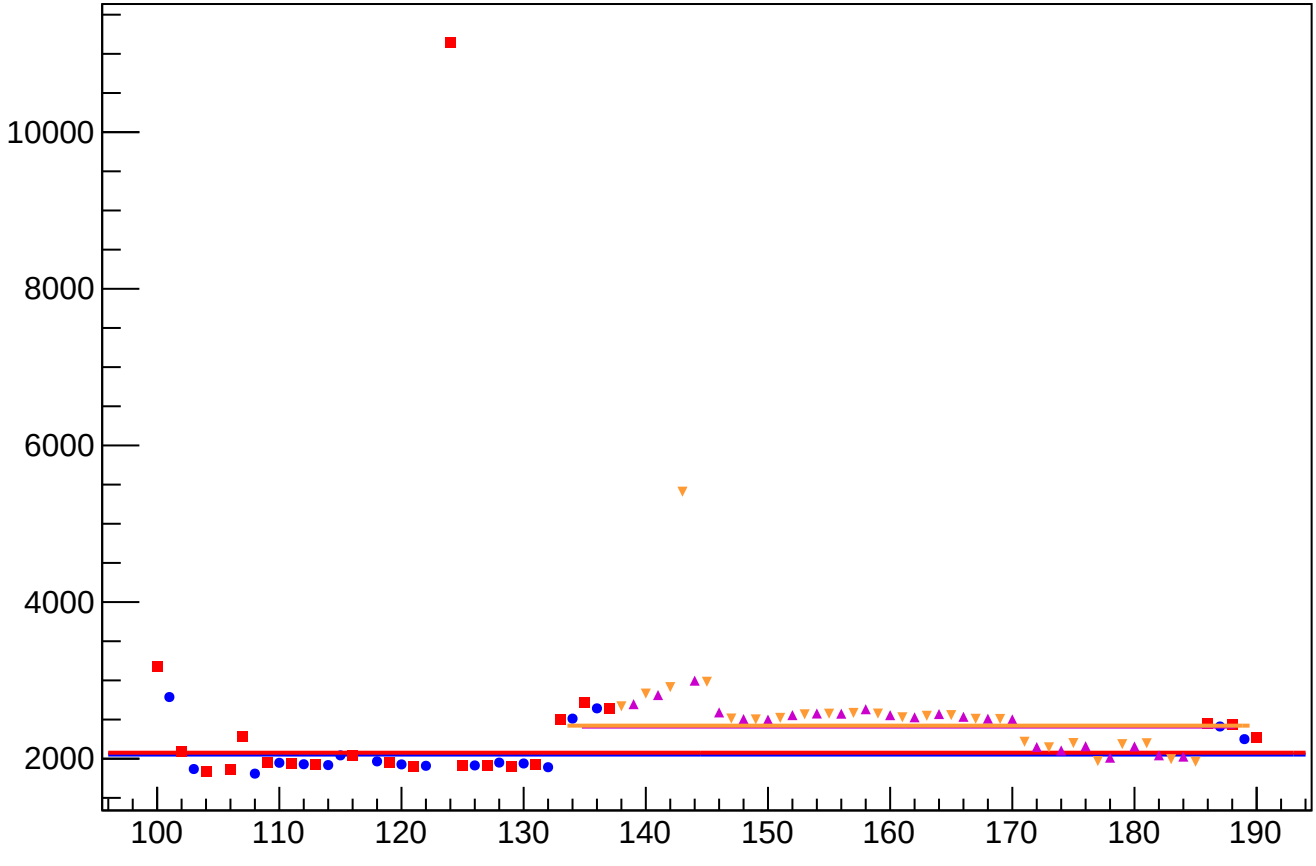
Right: 2036.339+/-506.936 χ^2/NDF: 28.8/39

In: 2468.665+/-448.644 χ^2/NDF:24.9/40

Out: 1129.315+/-435.938 χ^2/NDF:65.3/46

All: 1779.756+/-312.650 χ^2/NDF: 94.8/87

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2076.757+/-0.495 χ^2/NDF: 467607.3/21

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

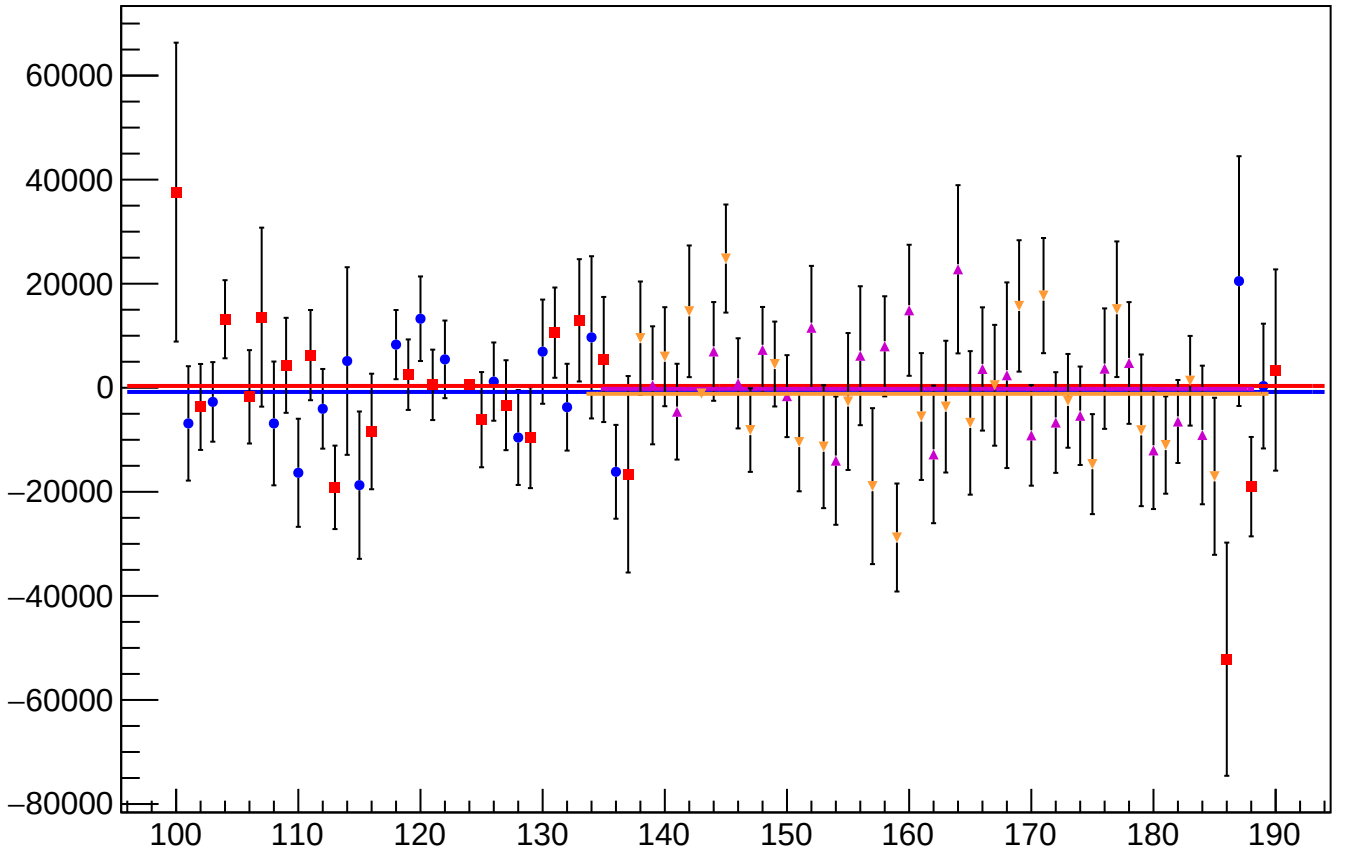
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2065.479+/-0.358 χ^2/NDF: 749356.4/39

In: 2277.040+/-0.317 χ^2/NDF:1004579.0/40

Out: 2288.087+/-0.308 χ^2/NDF:1718629.7/46

All: 2282.722+/-0.221 χ^2/NDF: 2723832.5/87



Right In: -805.550+/-2226.603 χ^2/NDF: 16.2/17

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 348.771+/-764.434 χ^2/NDF: 27.7/21

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

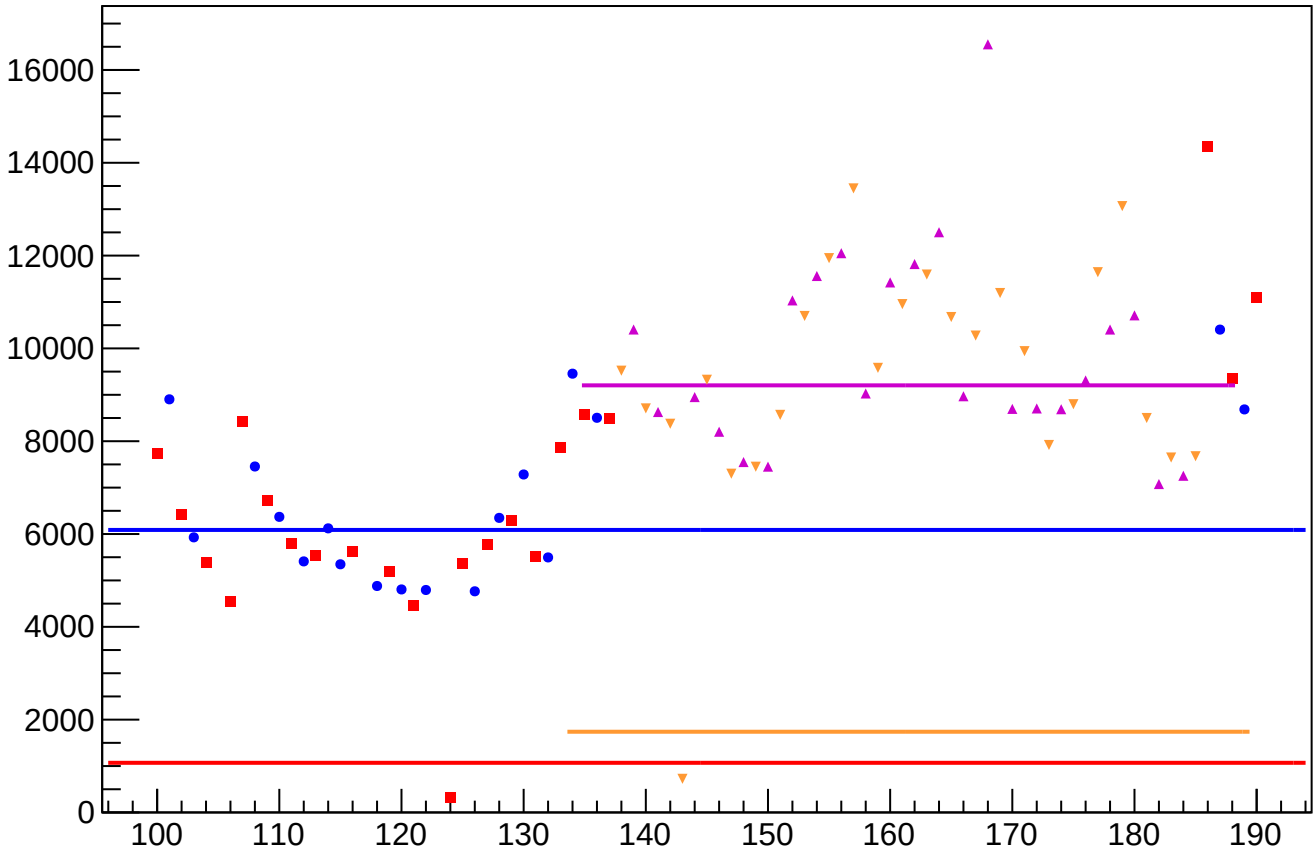
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 227.059+/-723.011 χ^2/NDF: 44.1/39

In: -503.273+/-1563.173 χ^2/NDF:29.6/40

Out: -411.236+/-538.151 χ^2/NDF:61.6/46

All: -420.988+/-508.841 χ^2/NDF: 91.2/87



Right In: 6088.054+/-1.574 χ^2/NDF: 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1069.933+/-0.541 χ^2/NDF: 14178506.0/21

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

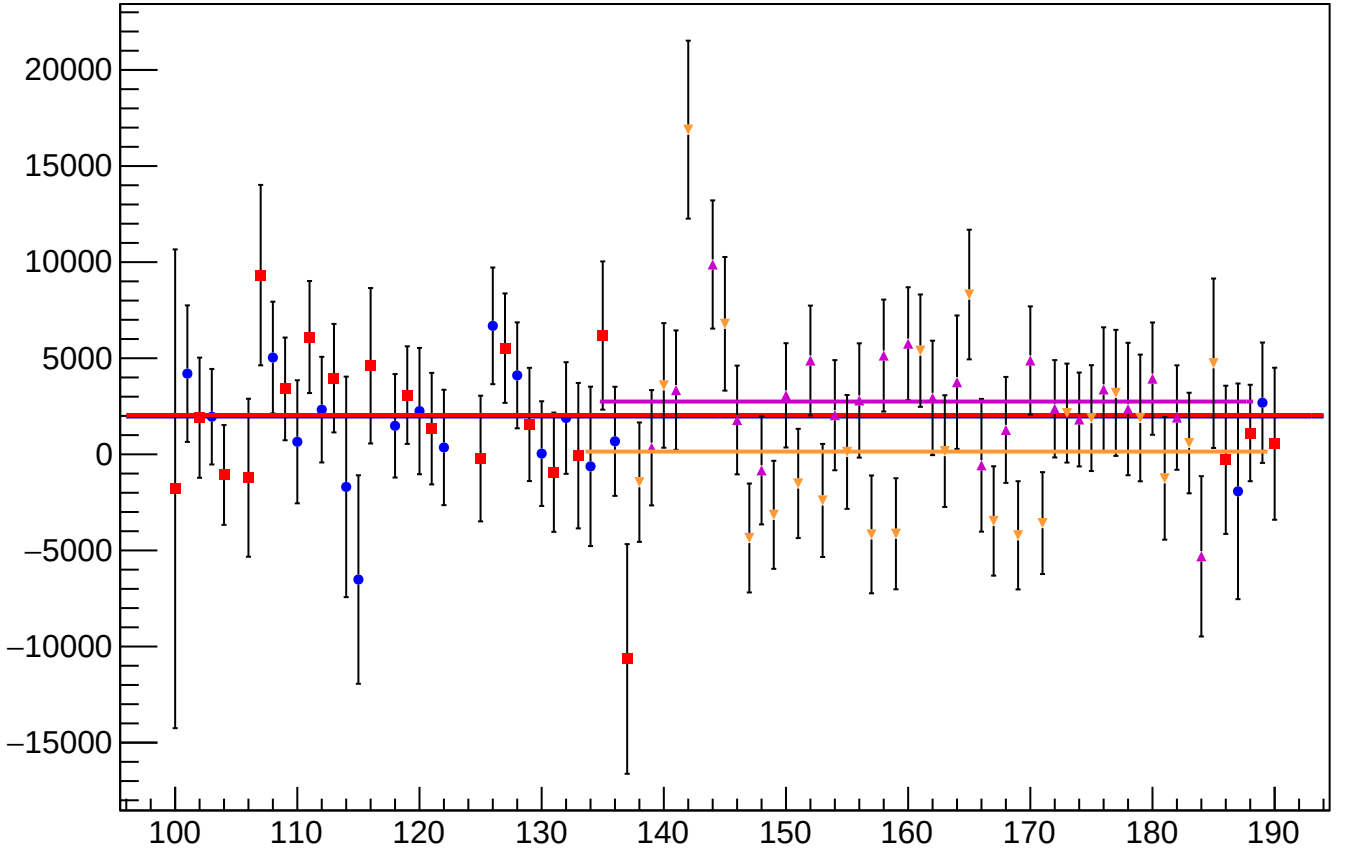
Right: 1599.042+/-0.511 χ^2/NDF: 24120281.8/39

In: 7668.127+/-1.105 χ^2/NDF:4112508.3/40

Out: 1407.643+/-0.381 χ^2/NDF:42687454.6/46

All: 2071.018+/-0.360 χ^2/NDF: 75480533.0/8

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1968.963+/-744.332 χ^2/NDF: 9.5/17

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2047.167+/-712.297 χ^2/NDF: 17.4/20

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

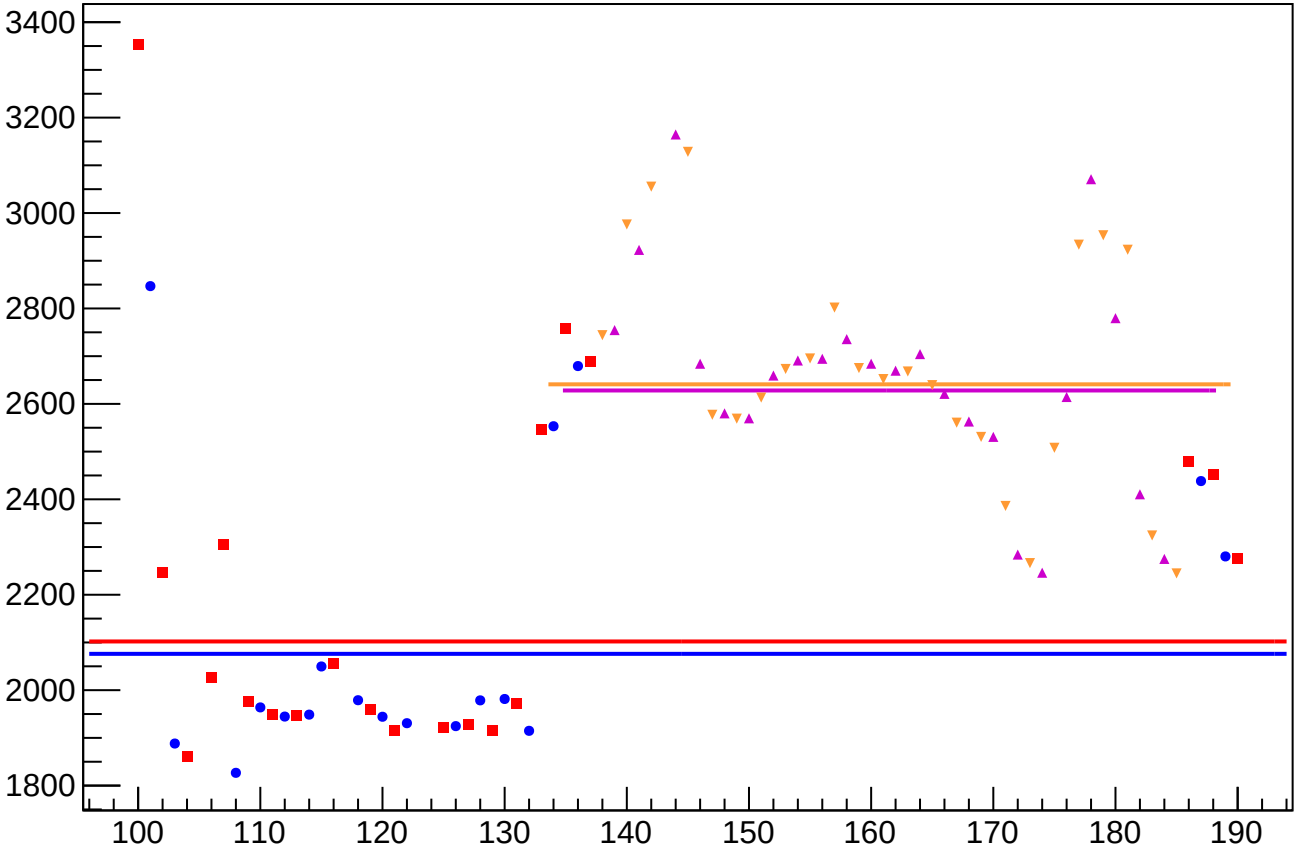
Right: 2009.784+/-514.622 χ^2/NDF: 26.9/38

In: 2430.054+/-474.619 χ^2/NDF:25.6/40

Out: 957.065+/-465.816 χ^2/NDF:67.3/44

All: 1679.773+/-332.450 χ^2/NDF: 97.8/85

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2076.134+/-0.526 χ^2/NDF: 288535.0/17

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2102.092+/-0.503 χ^2/NDF: 268697.2/20

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

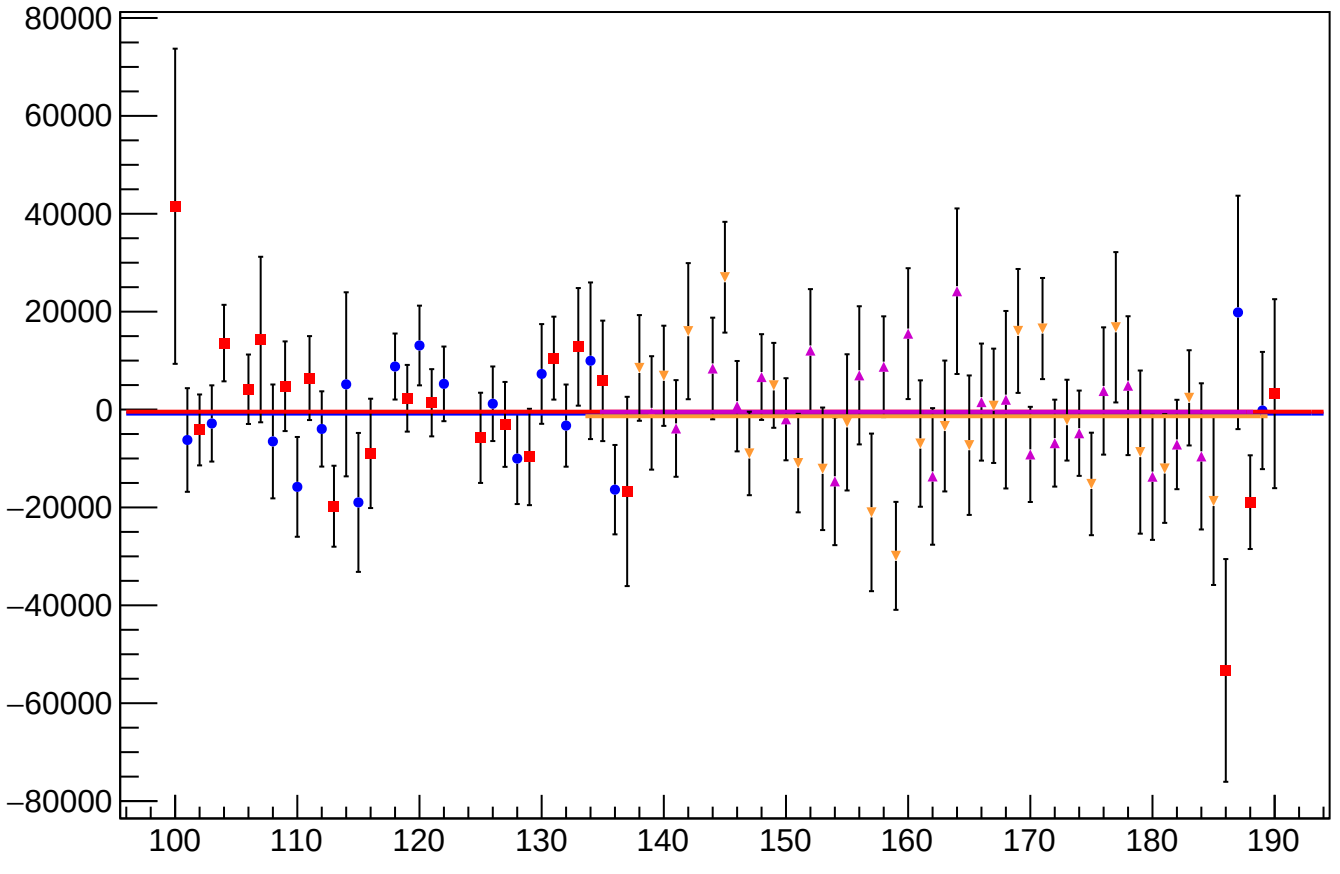
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2089.701+/-0.364 χ^2/NDF: 558503.4/38

In: 2403.684+/-0.336 χ^2/NDF:1178718.4/40

Out: 2410.180+/-0.329 χ^2/NDF:1178258.3/44

All: 2406.995+/-0.235 χ^2/NDF: 2357167.6/85



Right In: -828.006+/-2243.625 χ^2/NDF: 16.1/17

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -439.702+/-2077.590 χ^2/NDF: 27.9/20

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

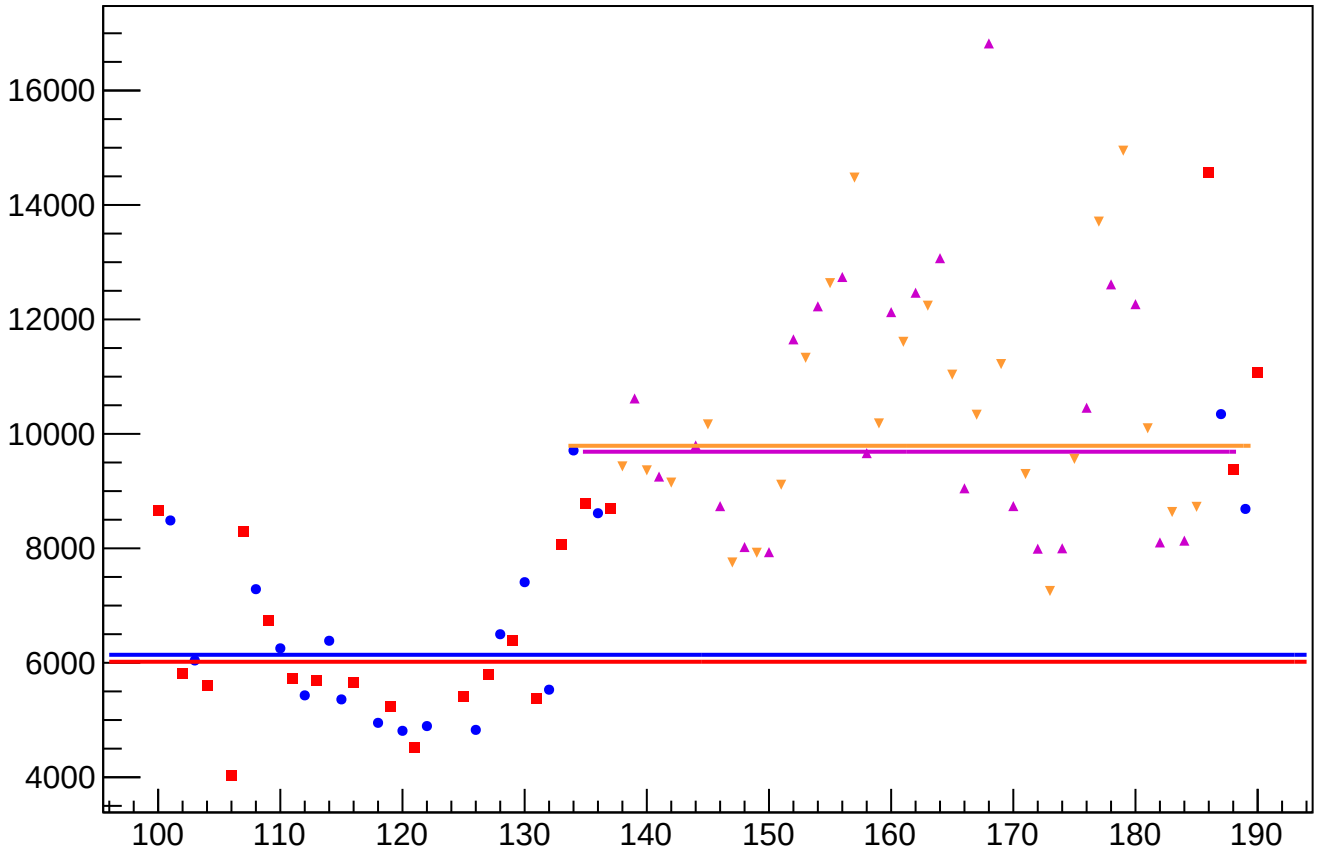
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -618.956+/-1524.400 χ^2/NDF: 44.0/38

In: -651.551+/-1610.949 χ^2/NDF:29.2/40

Out: -851.079+/-1549.572 χ^2/NDF:59.3/44

All: -755.188+/-1116.781 χ^2/NDF: 88.4/85



Right In: 6139.916+/-1.586 χ^2/NDF: 813446.3/17

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6018.165+/-1.469 χ^2/NDF: 1241316.2/20

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

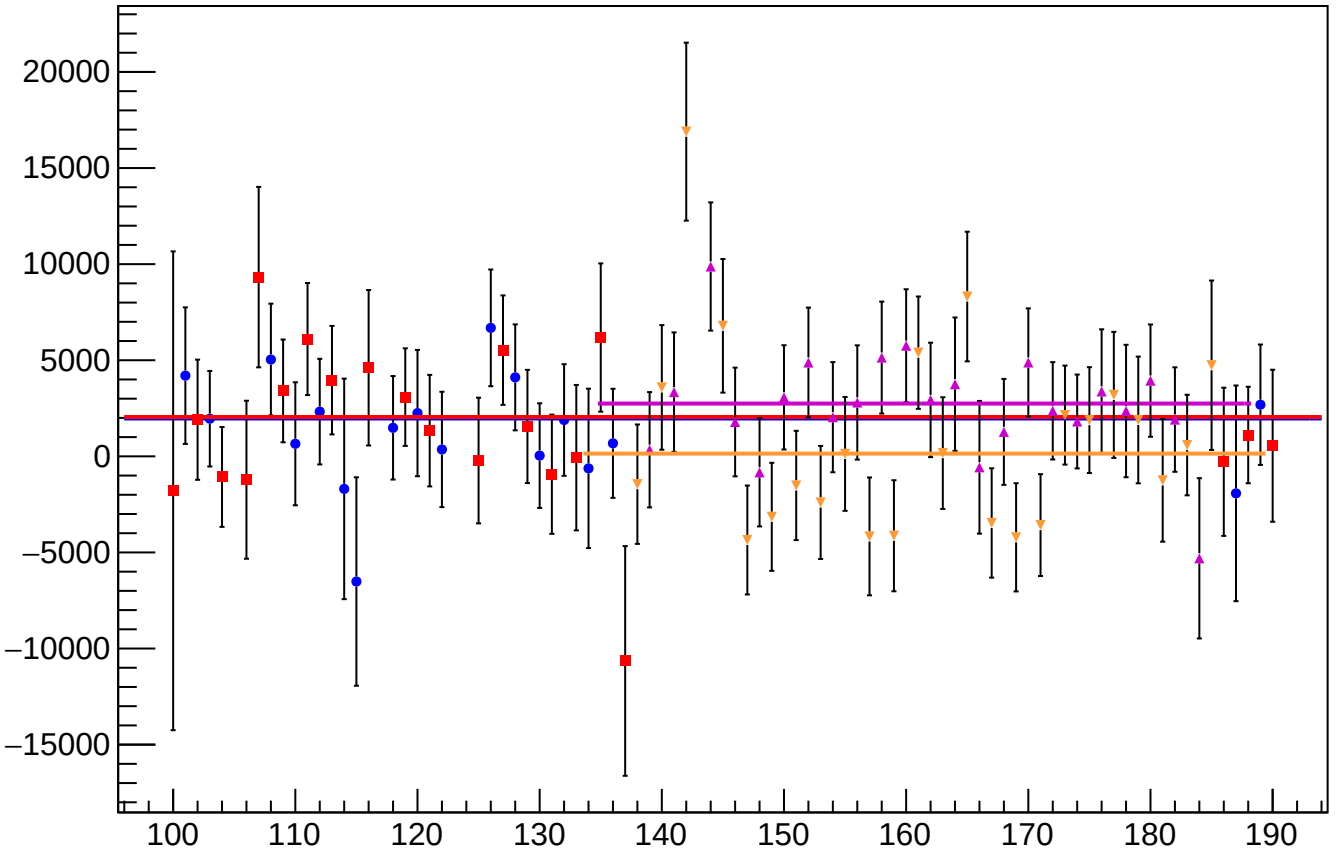
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 6074.369+/-1.078 χ^2/NDF: 2057933.2/38

In: 7858.905+/-1.139 χ^2/NDF:4614982.0/40

Out: 7692.744+/-1.096 χ^2/NDF:5388749.5/44

All: 7772.599+/-0.790 χ^2/NDF: 10014783.4/8



Right In: 1968.968+/-744.332 χ^2/NDF: 9.5/17

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2047.172+/-712.297 χ^2/NDF: 17.4/20

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

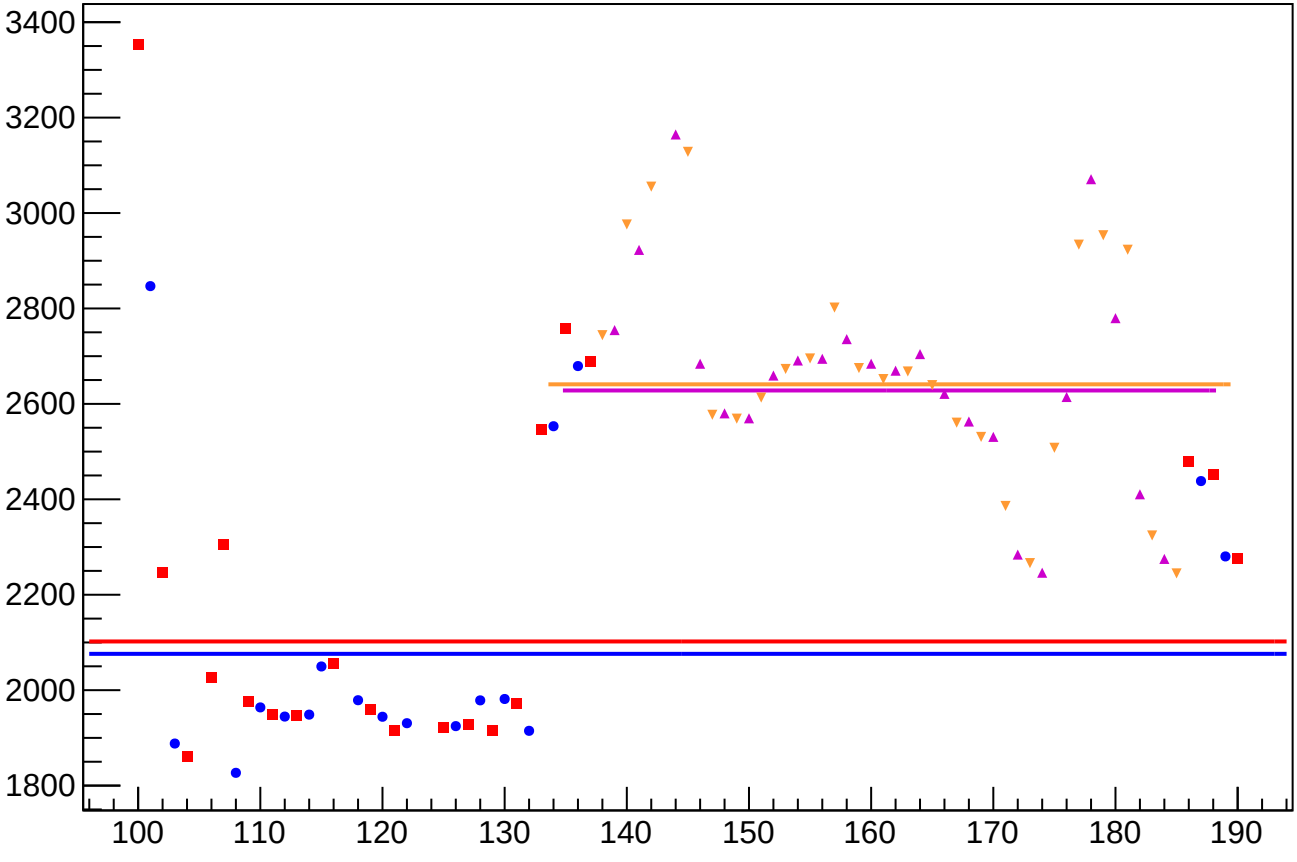
Right: 2009.789+/-514.622 χ^2/NDF: 26.9/38

In: 2430.055+/-474.619 χ^2/NDF:25.6/40

Out: 957.062+/-465.817 χ^2/NDF:67.3/44

All: 1679.772+/-332.451 χ^2/NDF: 97.8/85

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2076.134+/-0.526 χ^2/NDF: 288534.8/17

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2102.092+/-0.503 χ^2/NDF: 268697.1/20

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

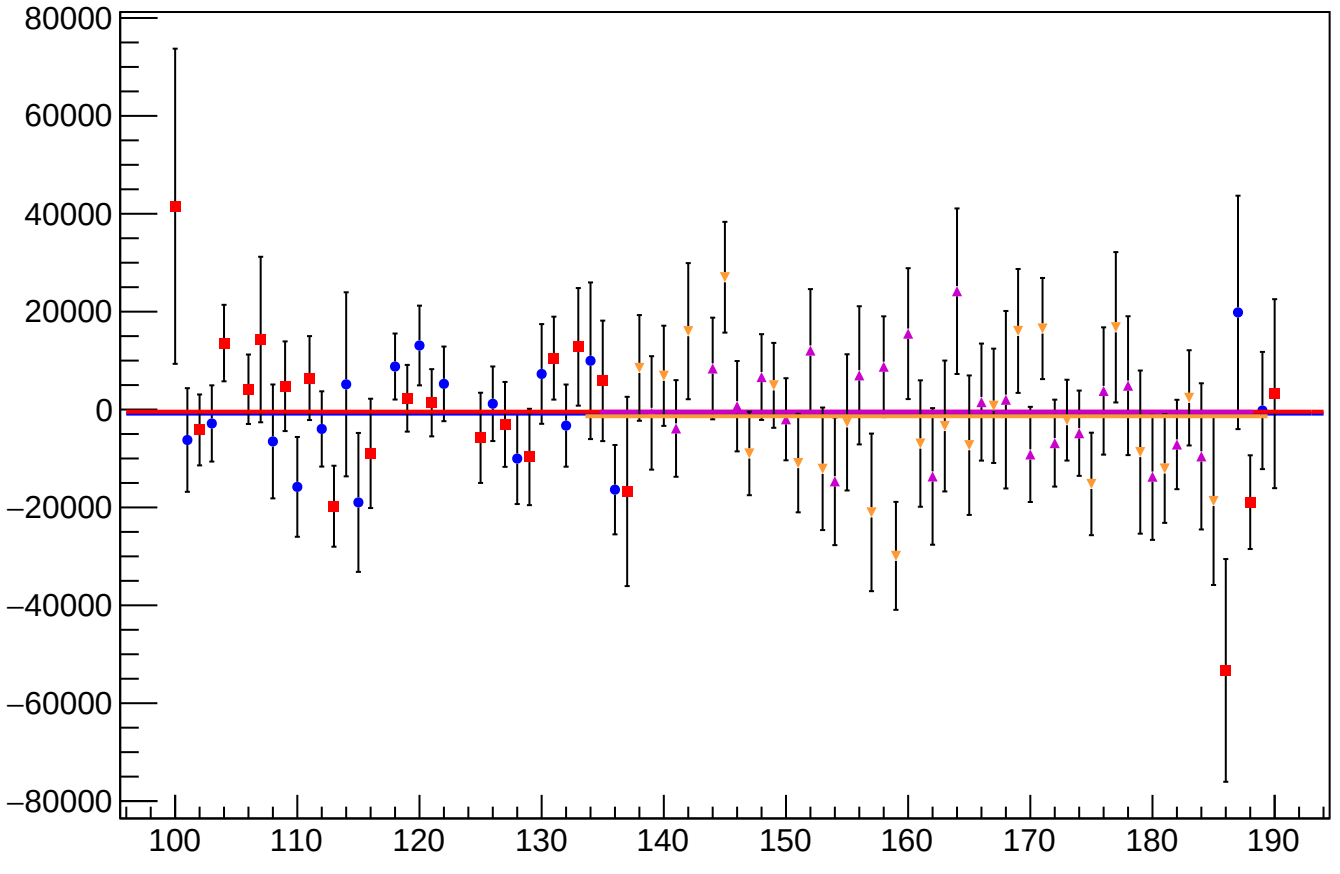
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2089.700+/-0.364 χ^2/NDF: 558503.2/38

In: 2403.685+/-0.336 χ^2/NDF:1178732.0/40

Out: 2410.181+/-0.329 χ^2/NDF:1178273.3/44

All: 2406.996+/-0.235 χ^2/NDF: 2357196.3/85



Right In: -827.997+/-2243.619 χ^2/NDF: 16.1/17

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -439.690+/-2077.584 χ^2/NDF: 27.9/20

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

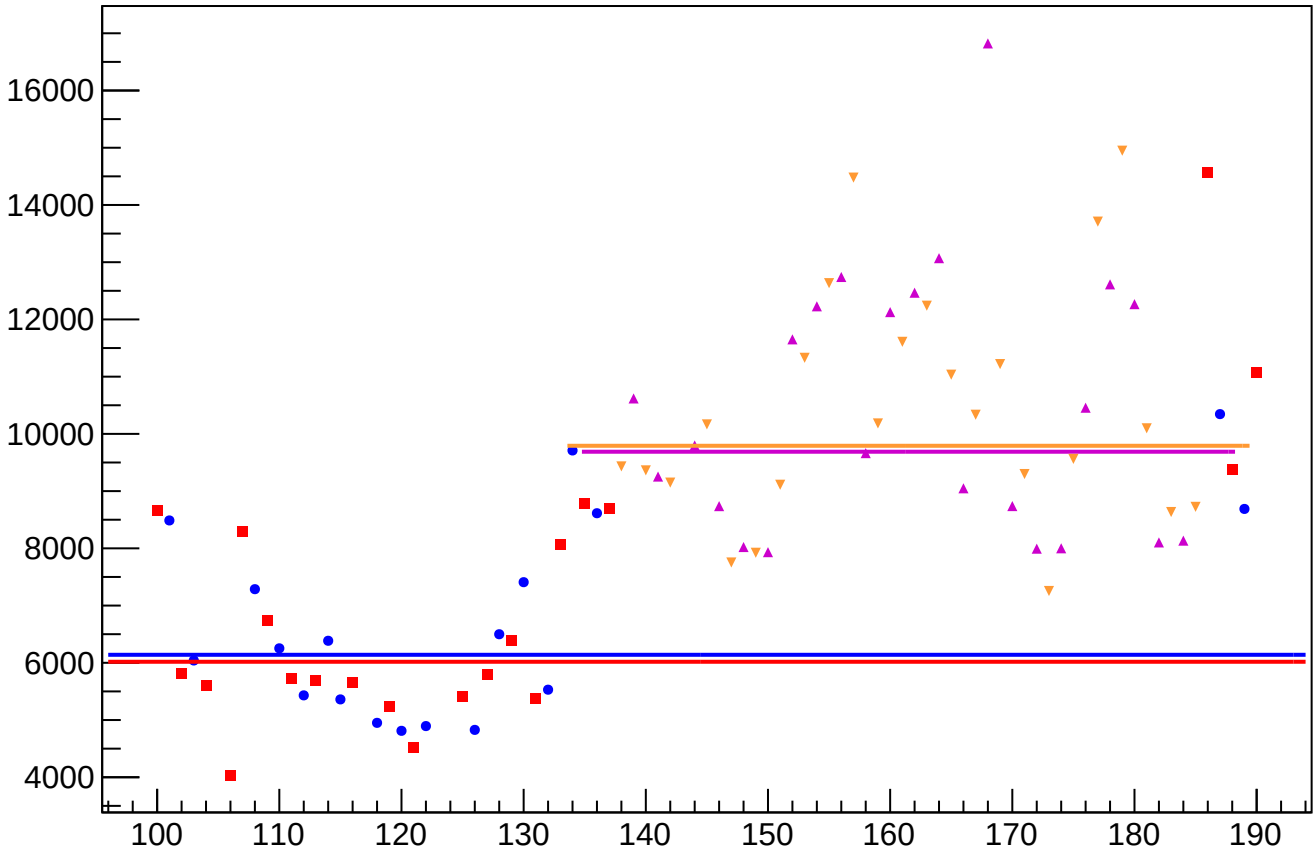
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -618.945+/-1524.395 χ^2/NDF: 44.0/38

In: -651.548+/-1610.948 χ^2/NDF:29.2/40

Out: -851.075+/-1549.571 χ^2/NDF:59.3/44

All: -755.185+/-1116.780 χ^2/NDF: 88.4/85



Right In: 6139.896+/-1.586 χ^2/NDF: 813456.6/17

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6018.147+/-1.469 χ^2/NDF: 1241324.8/20

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

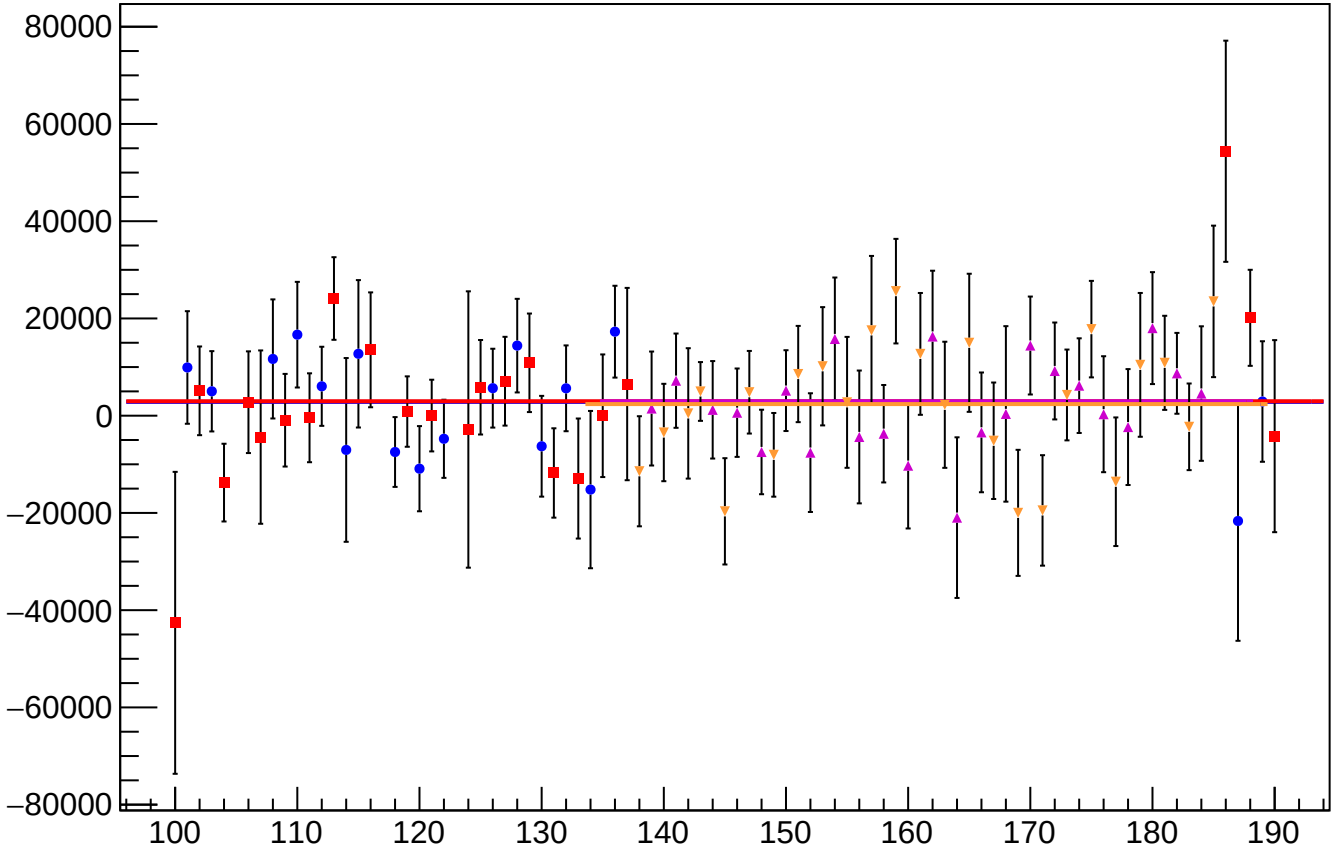
Right: 6074.351+/-1.078 χ^2/NDF: 2057951.9/38

In: 7858.895+/-1.139 χ^2/NDF:4615044.8/40

Out: 7692.734+/-1.096 χ^2/NDF:5388812.9/44

All: 7772.589+/-0.790 χ^2/NDF: 10014909.5/8

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2836.945+/-2364.870 χ^2/NDF: 15.9/17

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 2968.760+/-2247.221 χ^2/NDF: 27.8/21

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

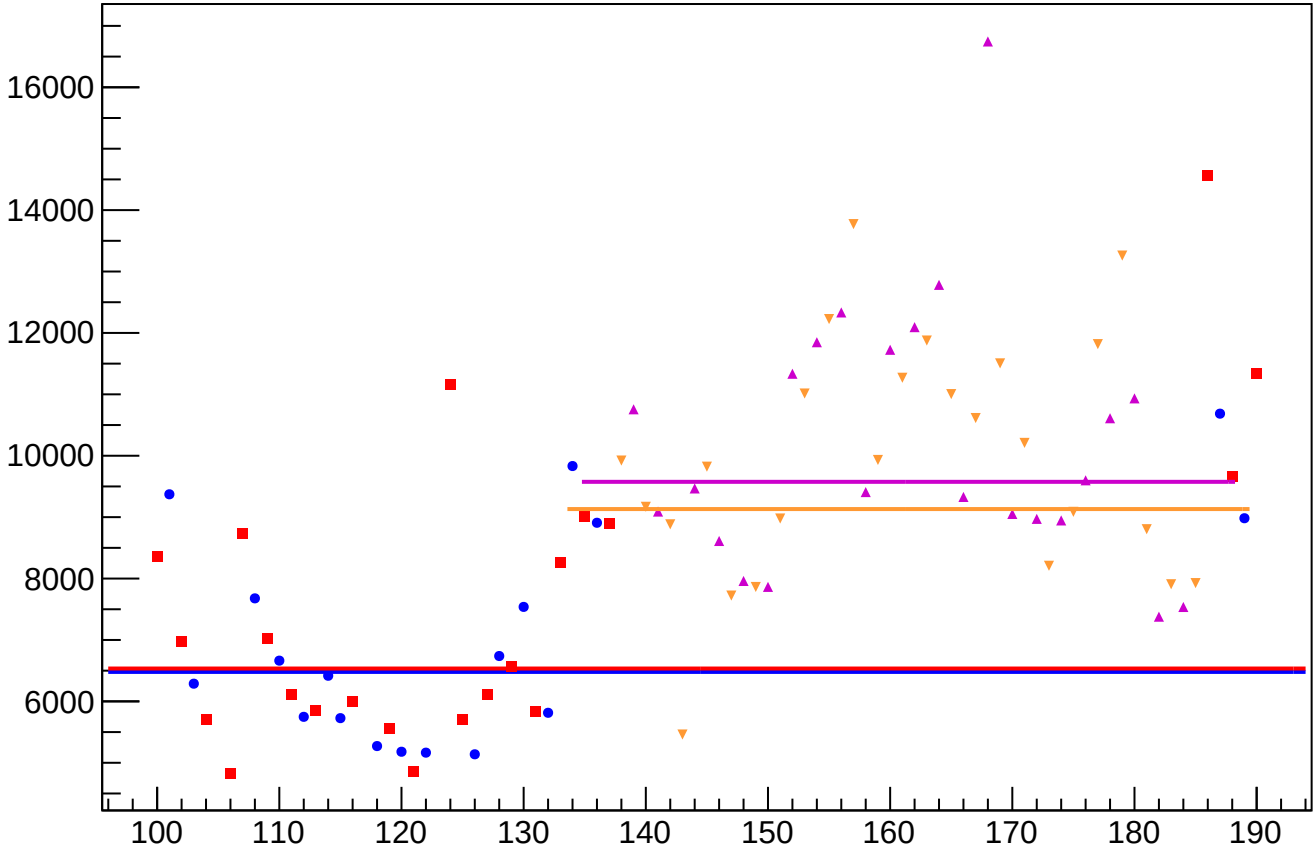
Right: 2906.213+/-1629.029 χ^2/NDF: 43.7/39

In: 2902.583+/-1640.987 χ^2/NDF:28.8/40

Out: 2663.650+/-1548.408 χ^2/NDF:57.6/46

All: 2776.187+/-1126.197 χ^2/NDF: 86.5/87

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6479.833+/-1.672 χ^2/NDF: 767336.3/17

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6534.970+/-1.589 χ^2/NDF: 1079179.4/21

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

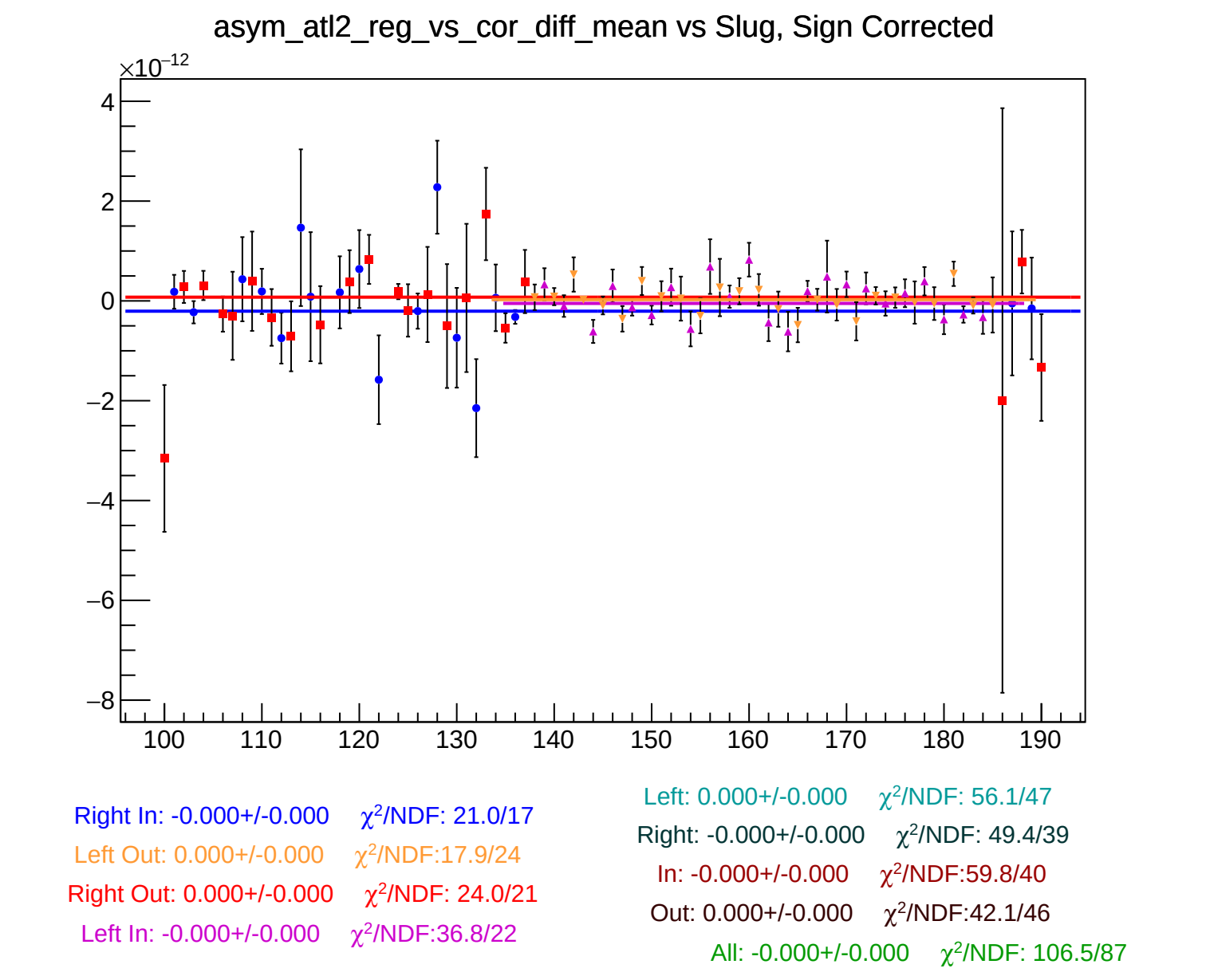
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

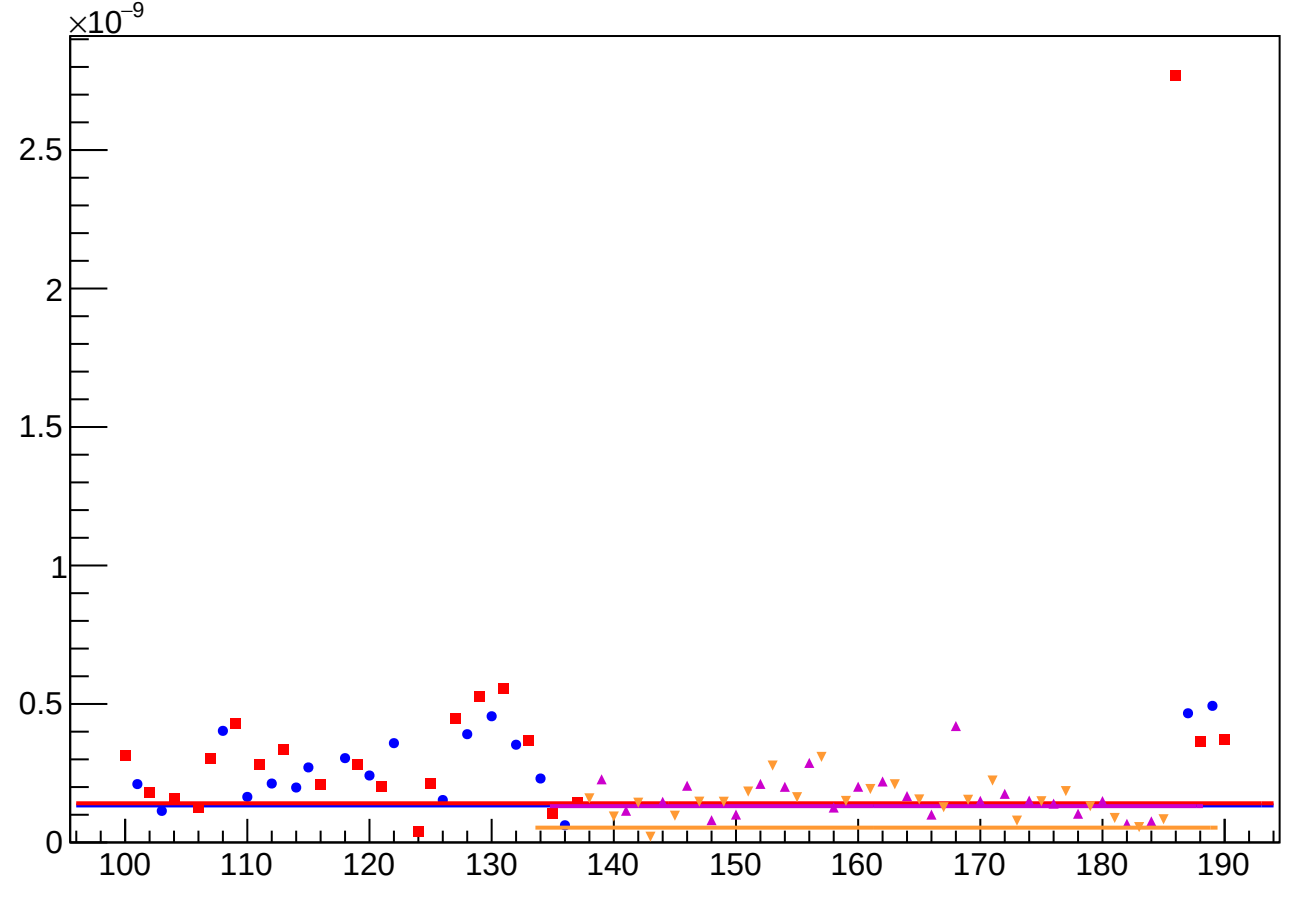
Right: 6508.807+/-1.152 χ^2/NDF: 1847087.0/39

In: 8084.797+/-1.160 χ^2/NDF:3697777.8/40

Out: 7898.866+/-1.095 χ^2/NDF:4293495.2/46

All: 7986.439+/-0.796 χ^2/NDF: 8004855.7/87


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.0/17
Left Out: 0.000+/-0.000 χ²/NDF:17.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.0/21
Left In: -0.000+/-0.000 χ²/NDF:36.8/22
Left: 0.000+/-0.000 χ²/NDF: 56.1/47
Right: -0.000+/-0.000 χ²/NDF: 49.4/39
In: -0.000+/-0.000 χ²/NDF:59.8/40
Out: 0.000+/-0.000 χ²/NDF:42.1/46
All: -0.000+/-0.000 χ²/NDF: 106.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 2080449.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3054122.3/21

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

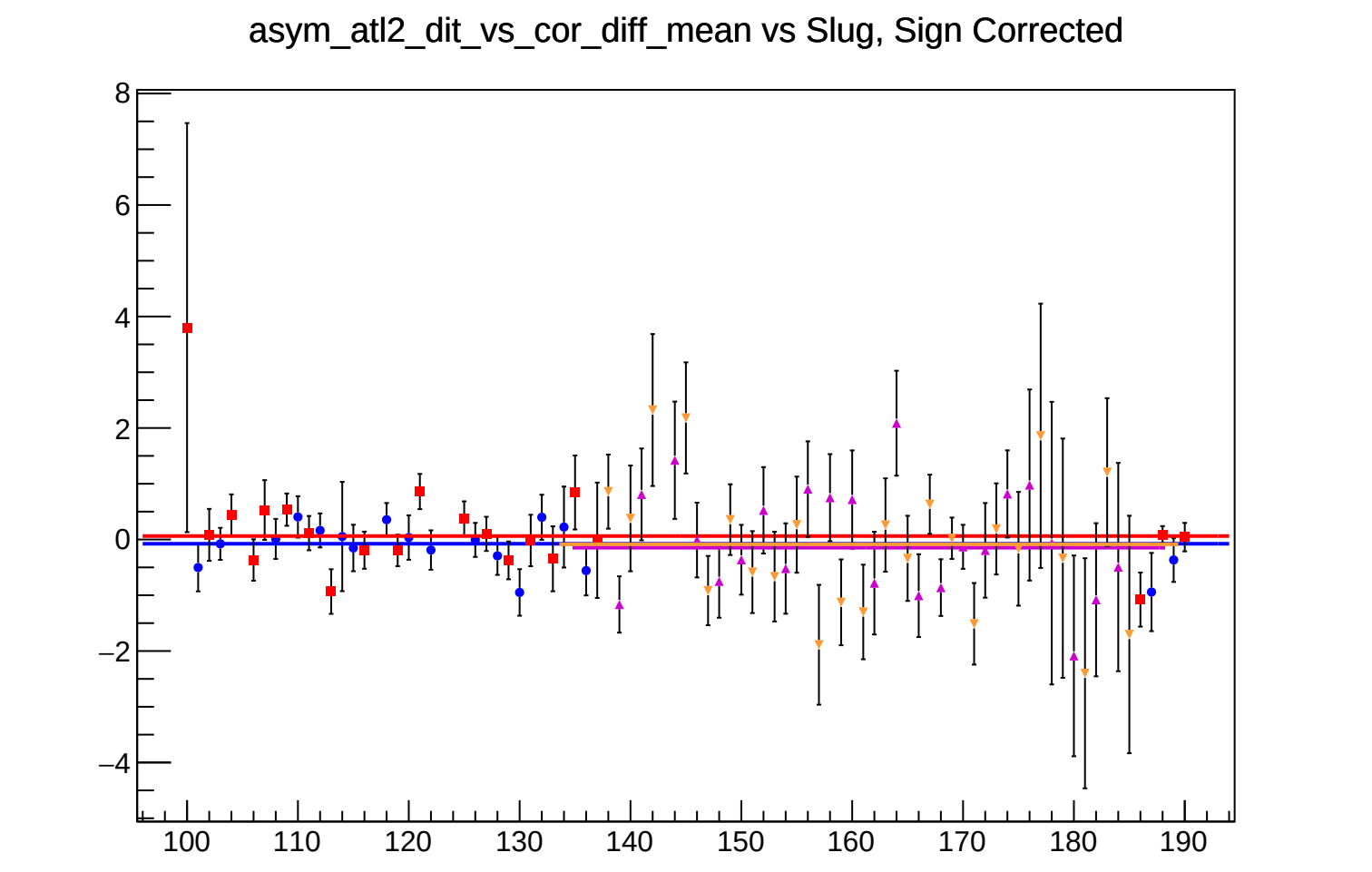
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5141382.4/39

In: 0.000+/-0.000 χ^2/NDF:3985756.0/40

Out: 0.000+/-0.000 χ^2/NDF:11882871.4/46

All: 0.000+/-0.000 χ^2/NDF: 19121019.5/87



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.073 χ^2/NDF: 30.9/20

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

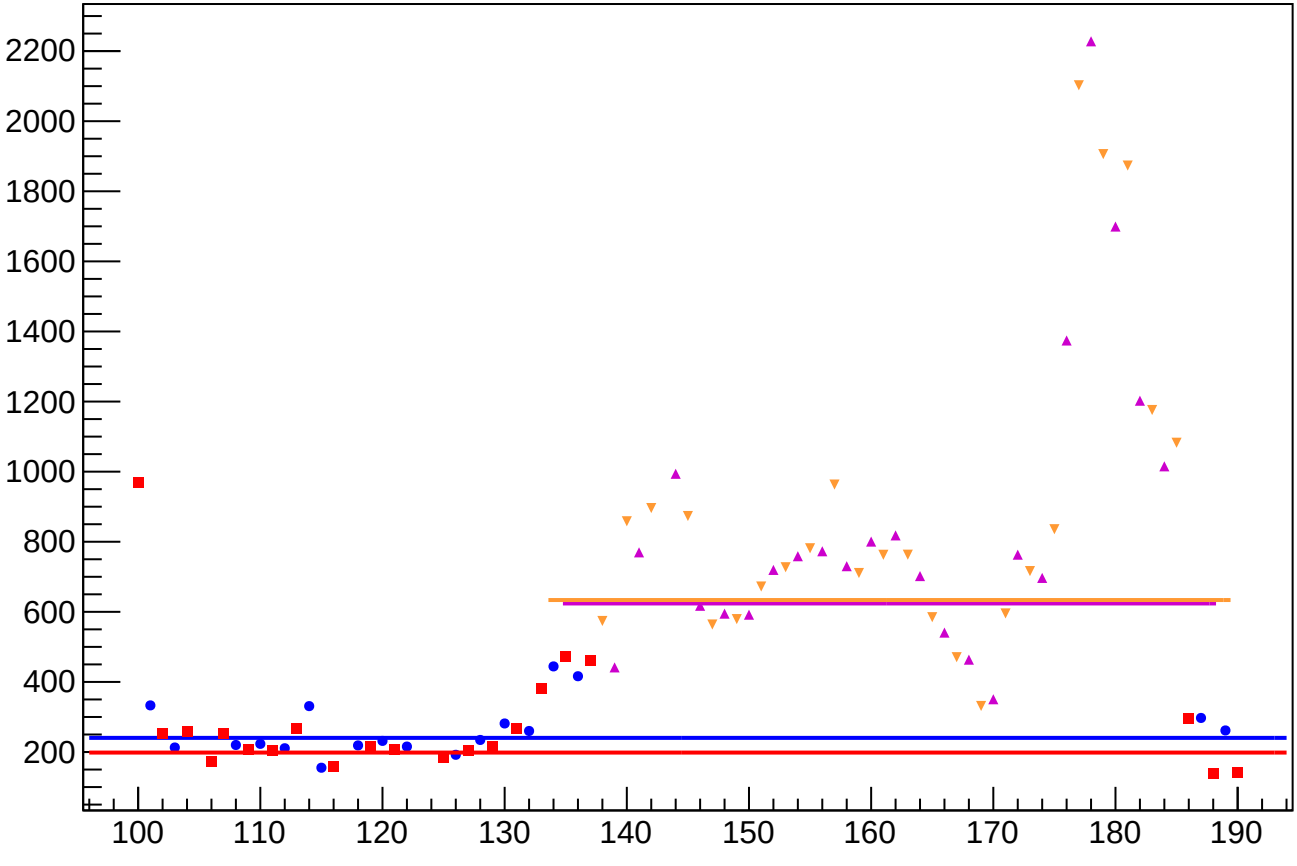
Right: 0.007+/-0.057 χ^2/NDF: 47.6/38

In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.037+/-0.067 χ^2/NDF:61.9/44

All: -0.018+/-0.051 χ^2/NDF: 105.4/85

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.383+/-0.064 χ^2/NDF: 827258.4/17

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 198.439+/-0.052 χ^2/NDF: 1515413.5/20

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 215.050+/-0.040 χ^2/NDF: 2602228.4/38

In: 334.917+/-0.056 χ^2/NDF:14224968.0/40

Out: 272.789+/-0.047 χ^2/NDF:18563964.7/44

All: 298.829+/-0.036 χ^2/NDF: 33515761.3/85

Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.073 χ^2/NDF: 30.9/20

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

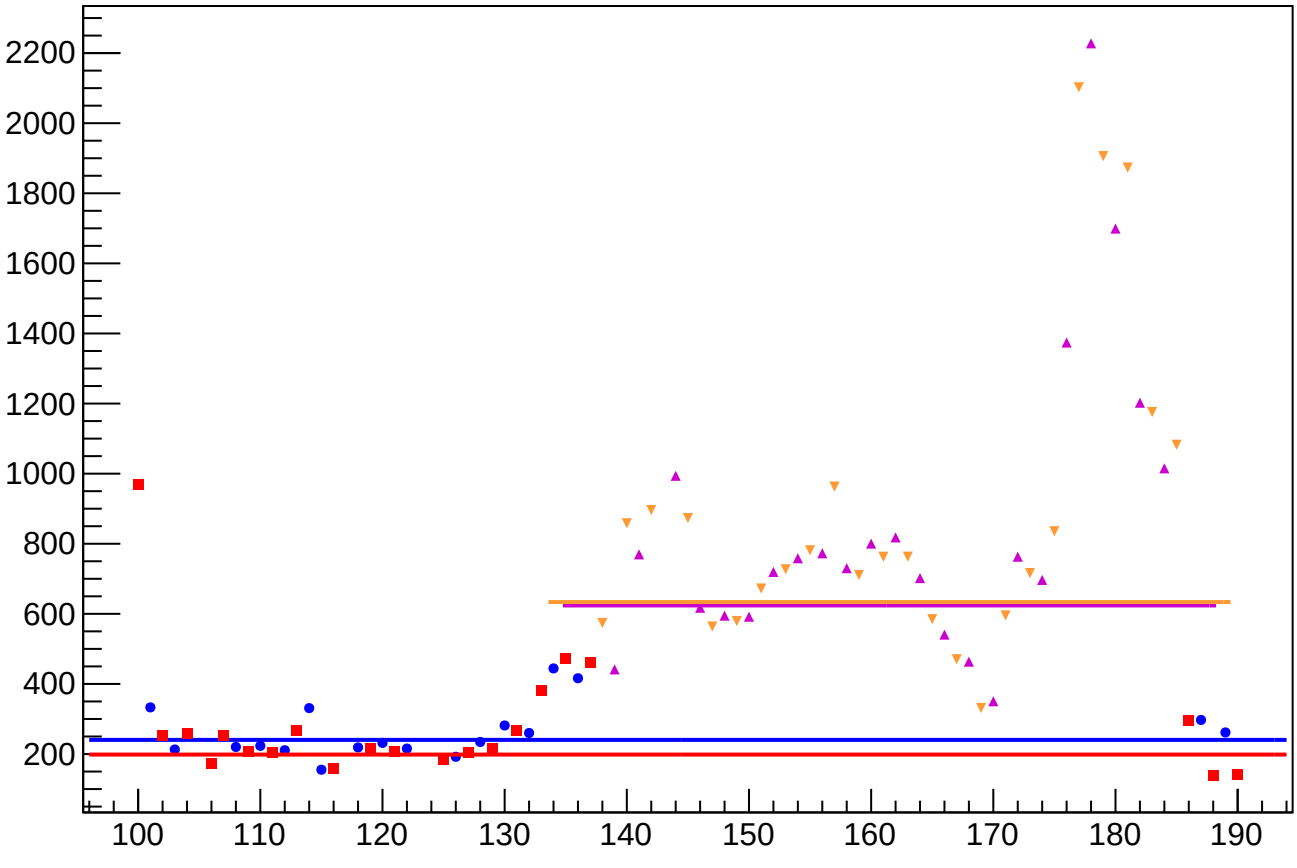
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.007+/-0.057 χ^2/NDF: 47.6/38

In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.037+/-0.067 χ^2/NDF:61.9/44

All: -0.018+/-0.051 χ^2/NDF: 105.4/85



Right In: 240.383+/-0.064 χ^2/NDF: 827258.4/17

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 198.439+/-0.052 χ^2/NDF: 1515413.5/20

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

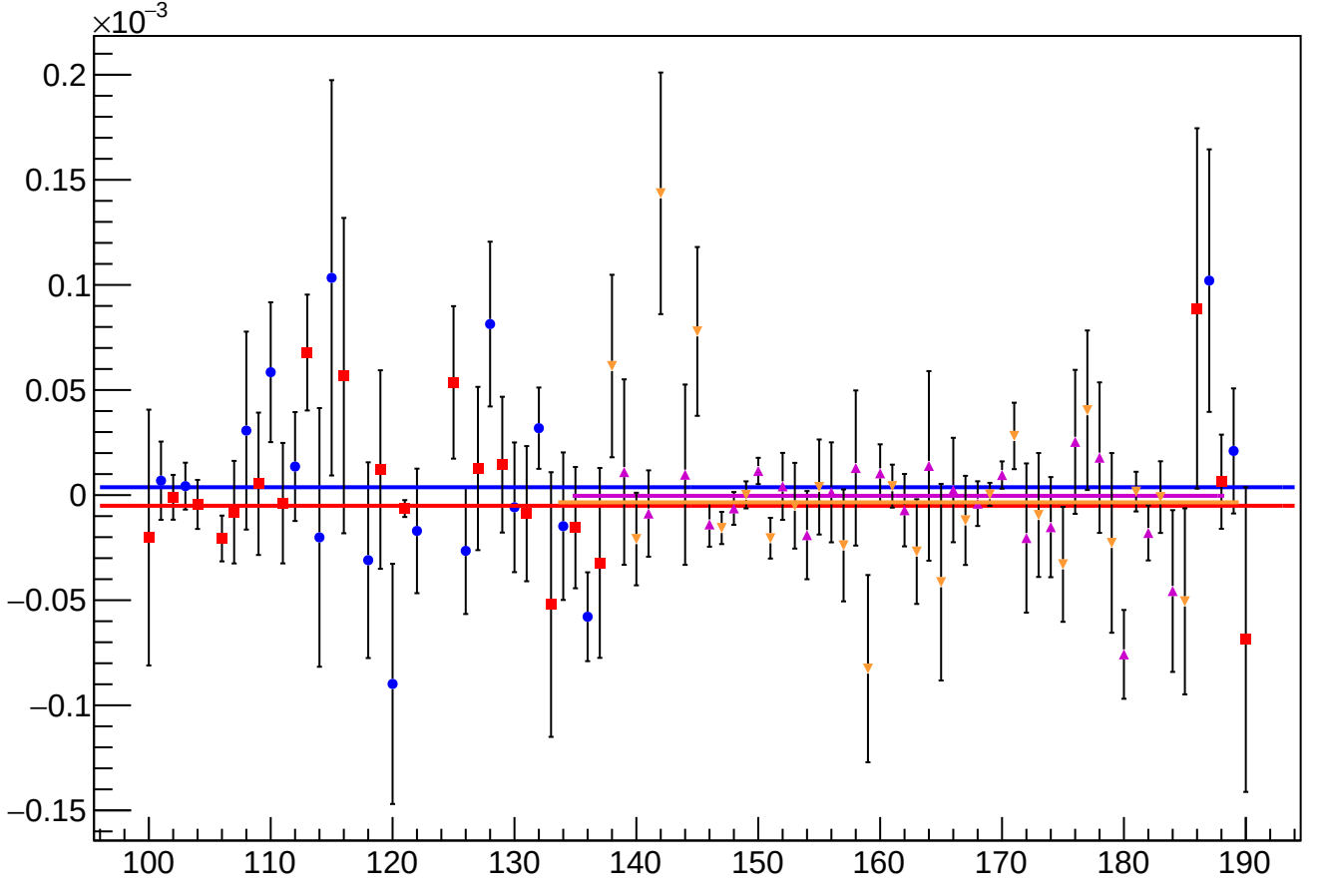
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 215.050+/-0.040 χ^2/NDF: 2602228.4/38

In: 334.917+/-0.056 χ^2/NDF:14224968.0/40

Out: 272.789+/-0.047 χ^2/NDF:18563964.7/44

All: 298.829+/-0.036 χ^2/NDF: 33515761.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

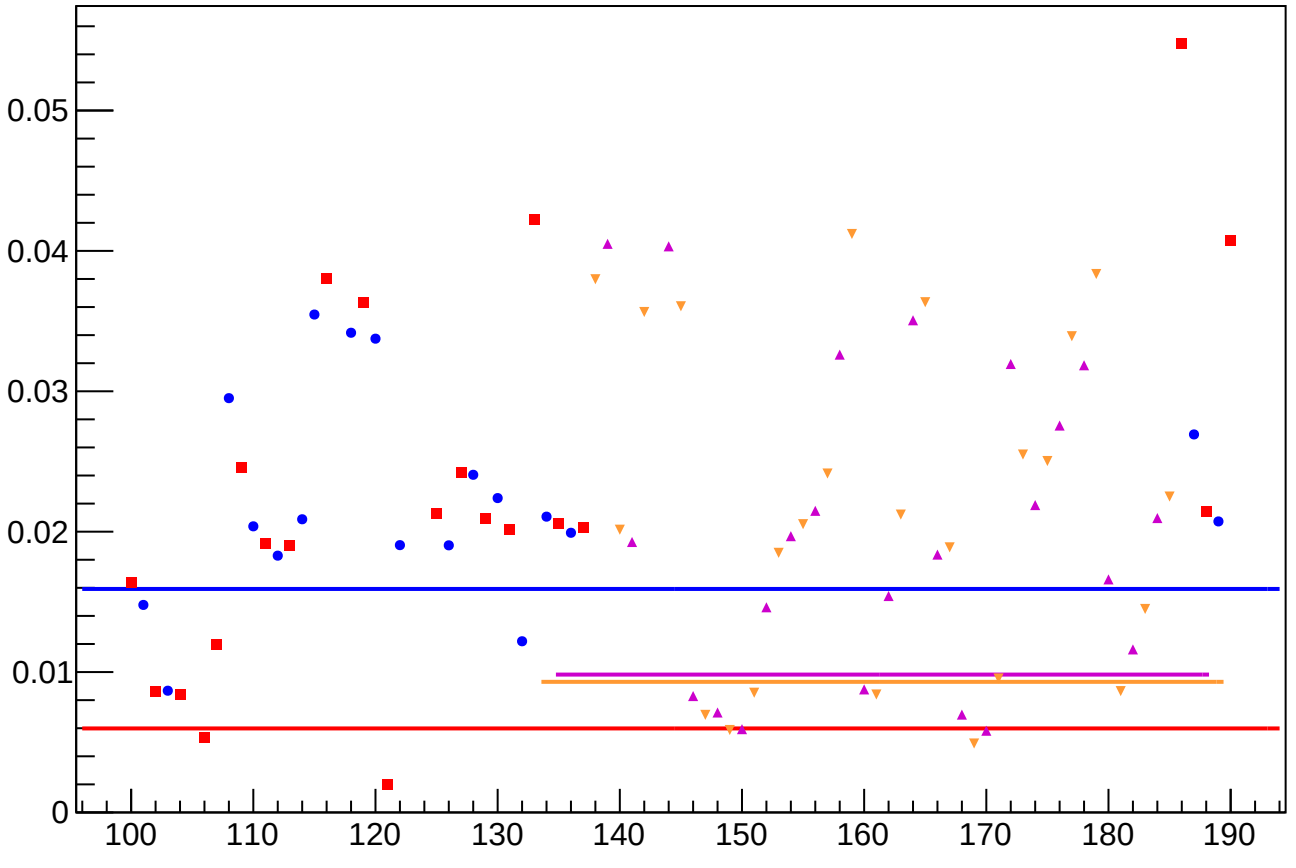
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 45.3/38

In: 0.000+/-0.000 χ^2/NDF:55.2/40

Out: -0.000+/-0.000 χ^2/NDF:51.2/44

All: -0.000+/-0.000 χ^2/NDF: 108.2/85



Right In: 0.016+/-0.000 χ^2/NDF: 2194594.6/17

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 10050752.5/20

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

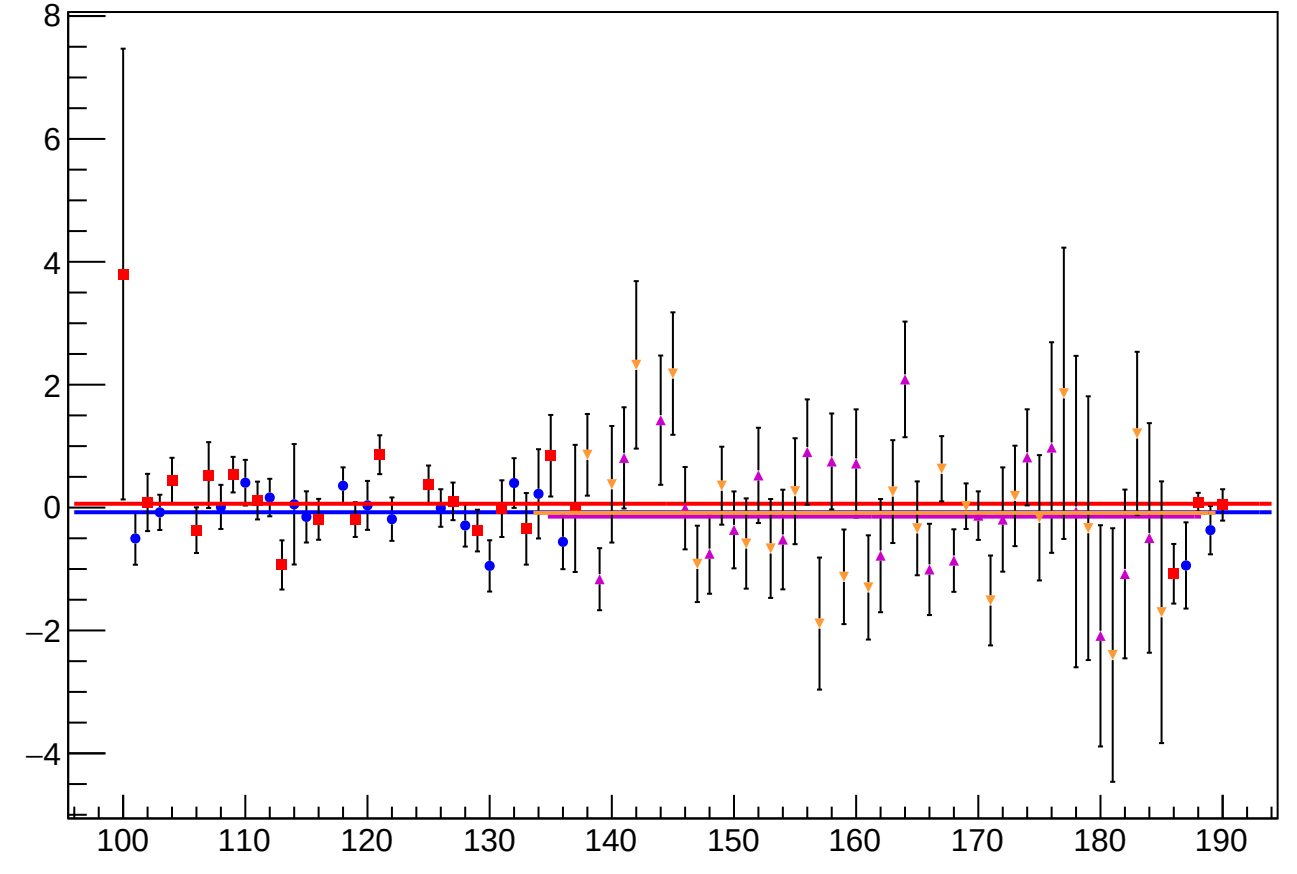
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.008+/-0.000 χ^2/NDF: 16317893.8/38

In: 0.011+/-0.000 χ^2/NDF:14089530.2/40

Out: 0.008+/-0.000 χ^2/NDF:23529206.2/44

All: 0.009+/-0.000 χ^2/NDF: 39269147.5/85



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.073 χ^2/NDF: 30.9/20

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

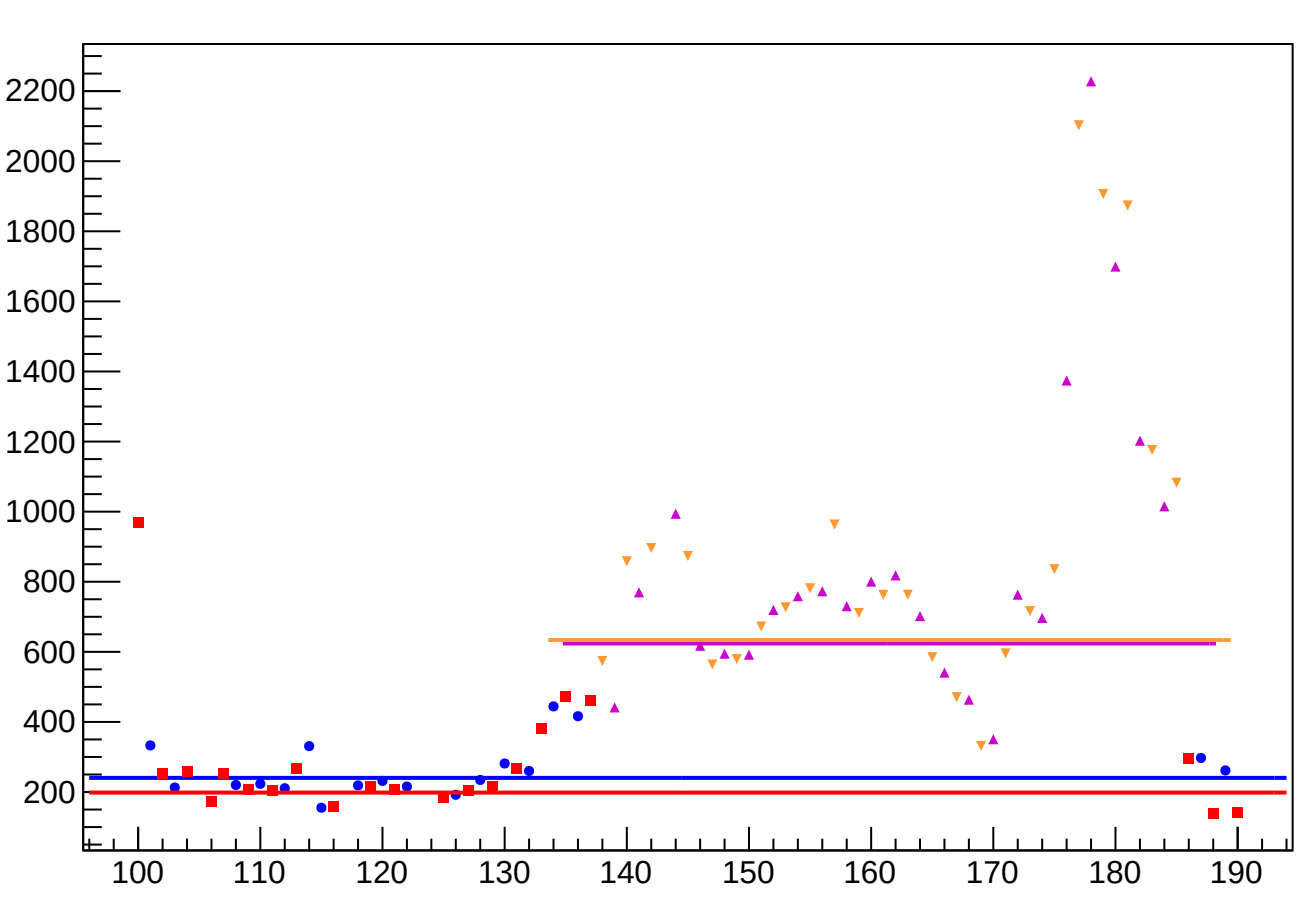
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.007+/-0.057 χ^2/NDF: 47.6/38

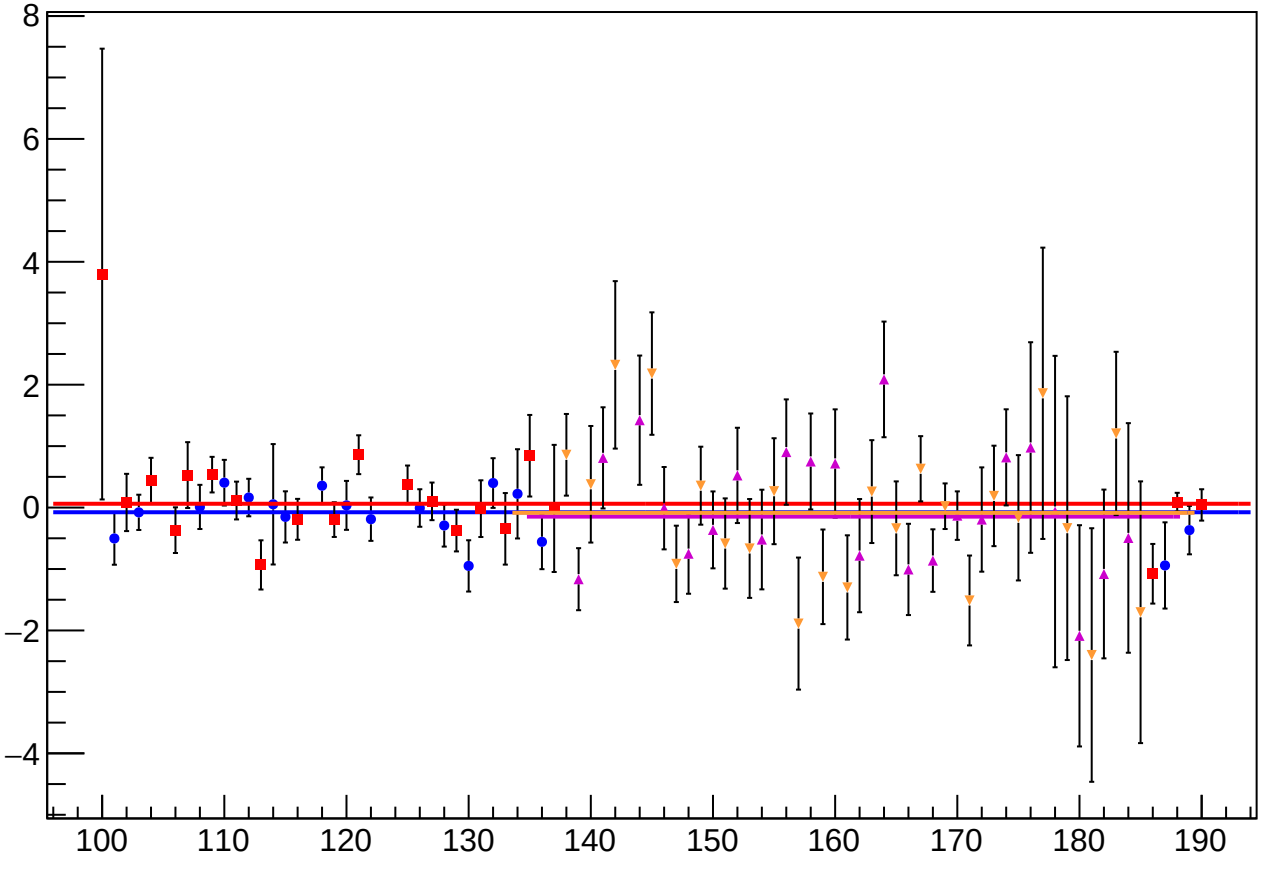
In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.037+/-0.067 χ^2/NDF:61.9/44

All: -0.018+/-0.051 χ^2/NDF: 105.4/85


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 240.384+/-0.064 χ²/NDF: 827230.7/17
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 198.436+/-0.052 χ²/NDF: 1515439.4/20
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 215.049+/-0.040 χ²/NDF: 2602271.8/38
In: 334.919+/-0.056 χ²/NDF:14225012.6/40
Out: 272.785+/-0.047 χ²/NDF:18564309.6/44
All: 298.827+/-0.036 χ²/NDF: 33516269.0/85

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.073 χ^2/NDF: 30.9/20

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

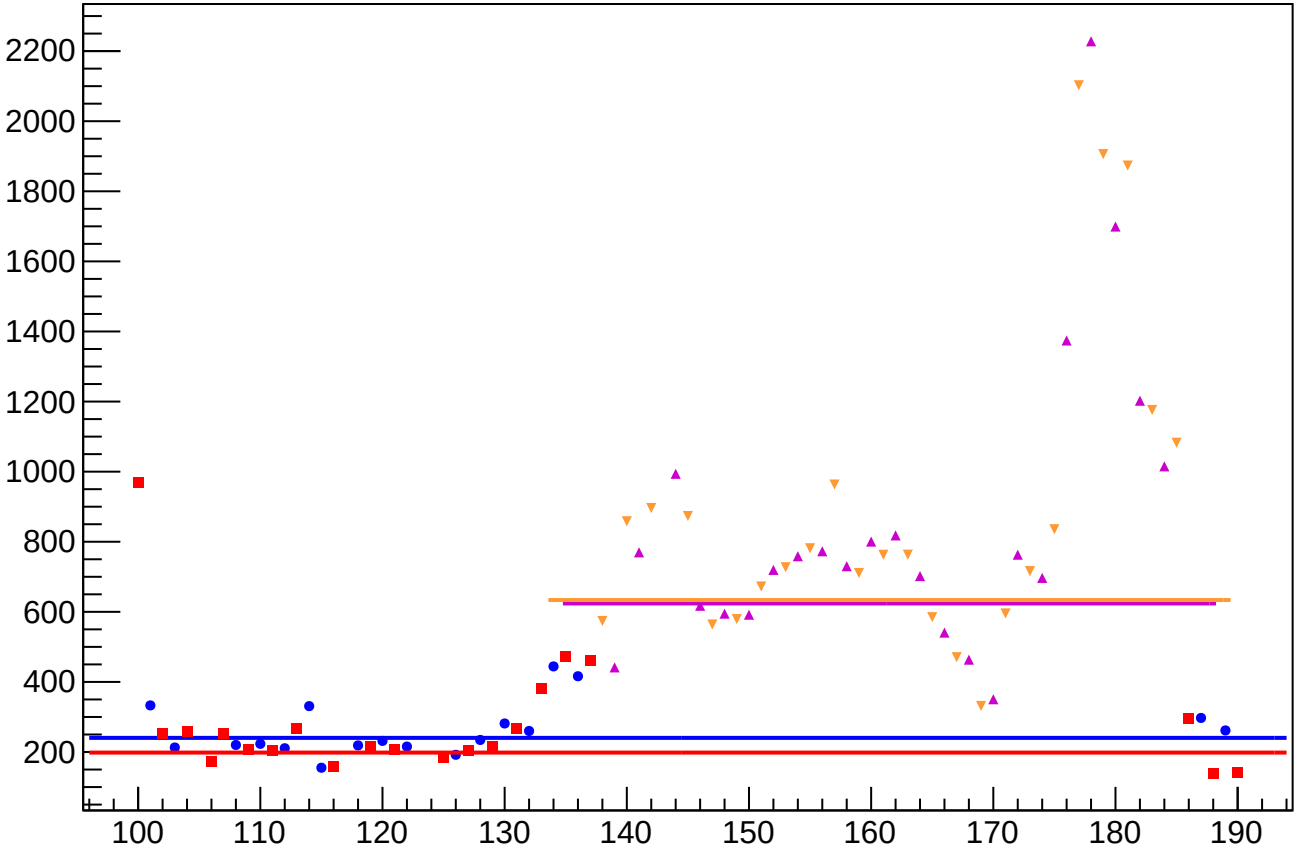
Right: 0.007+/-0.057 χ^2/NDF: 47.6/38

In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.037+/-0.067 χ^2/NDF:61.9/44

All: -0.018+/-0.051 χ^2/NDF: 105.4/85

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.384+/-0.064 χ^2/NDF: 827230.7/17

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 198.436+/-0.052 χ^2/NDF: 1515439.4/20

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

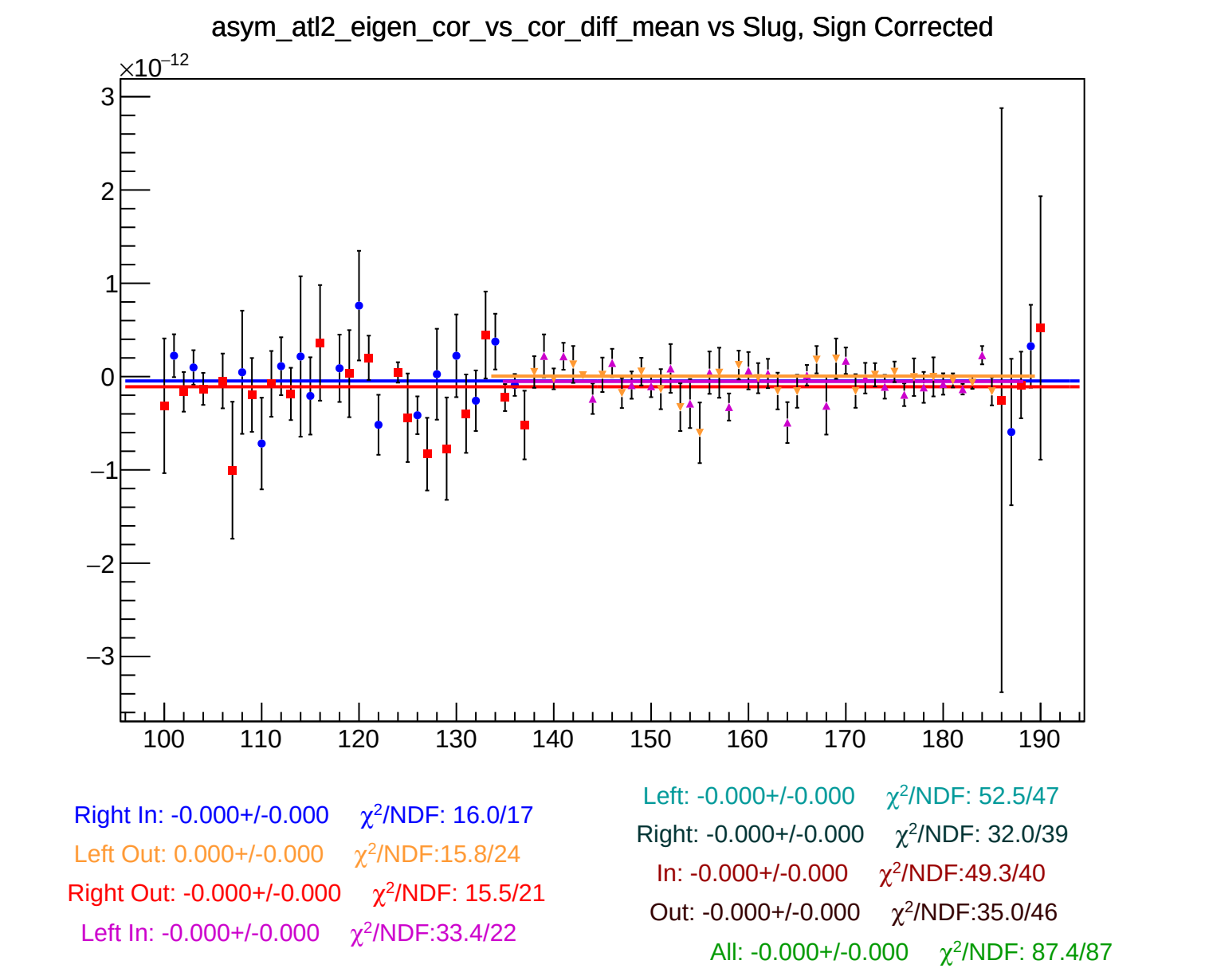
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

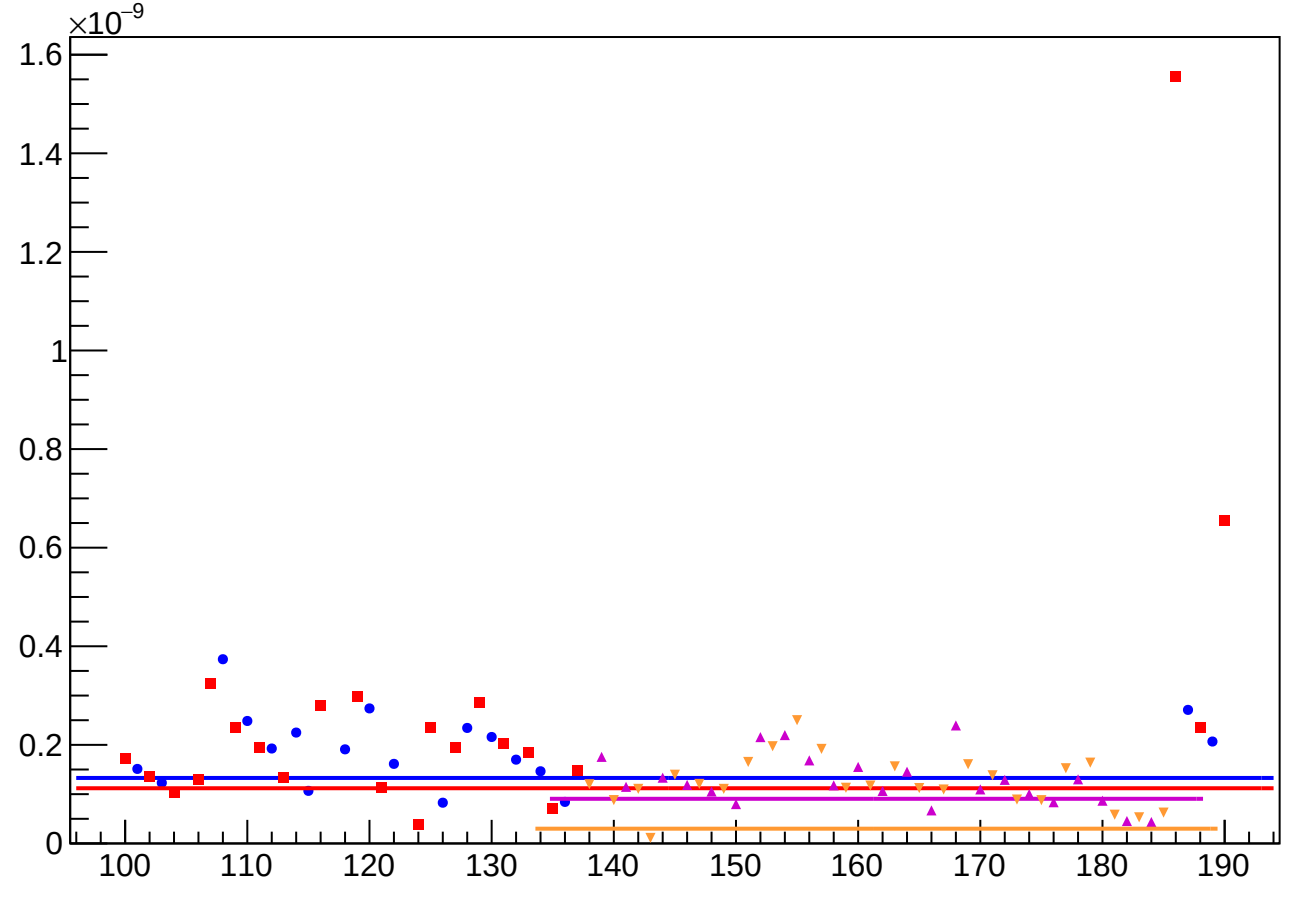
Right: 215.049+/-0.040 χ^2/NDF: 2602271.8/38

In: 334.919+/-0.056 χ^2/NDF:14225012.6/40

Out: 272.785+/-0.047 χ^2/NDF:18564309.6/44

All: 298.827+/-0.036 χ^2/NDF: 33516269.0/85


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.0/17
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.5/21
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: 32.0/39
In: -0.000+/-0.000 χ²/NDF:49.3/40
Out: -0.000+/-0.000 χ²/NDF:35.0/46
All: -0.000+/-0.000 χ²/NDF: 87.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 1454903.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3632758.7/21

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

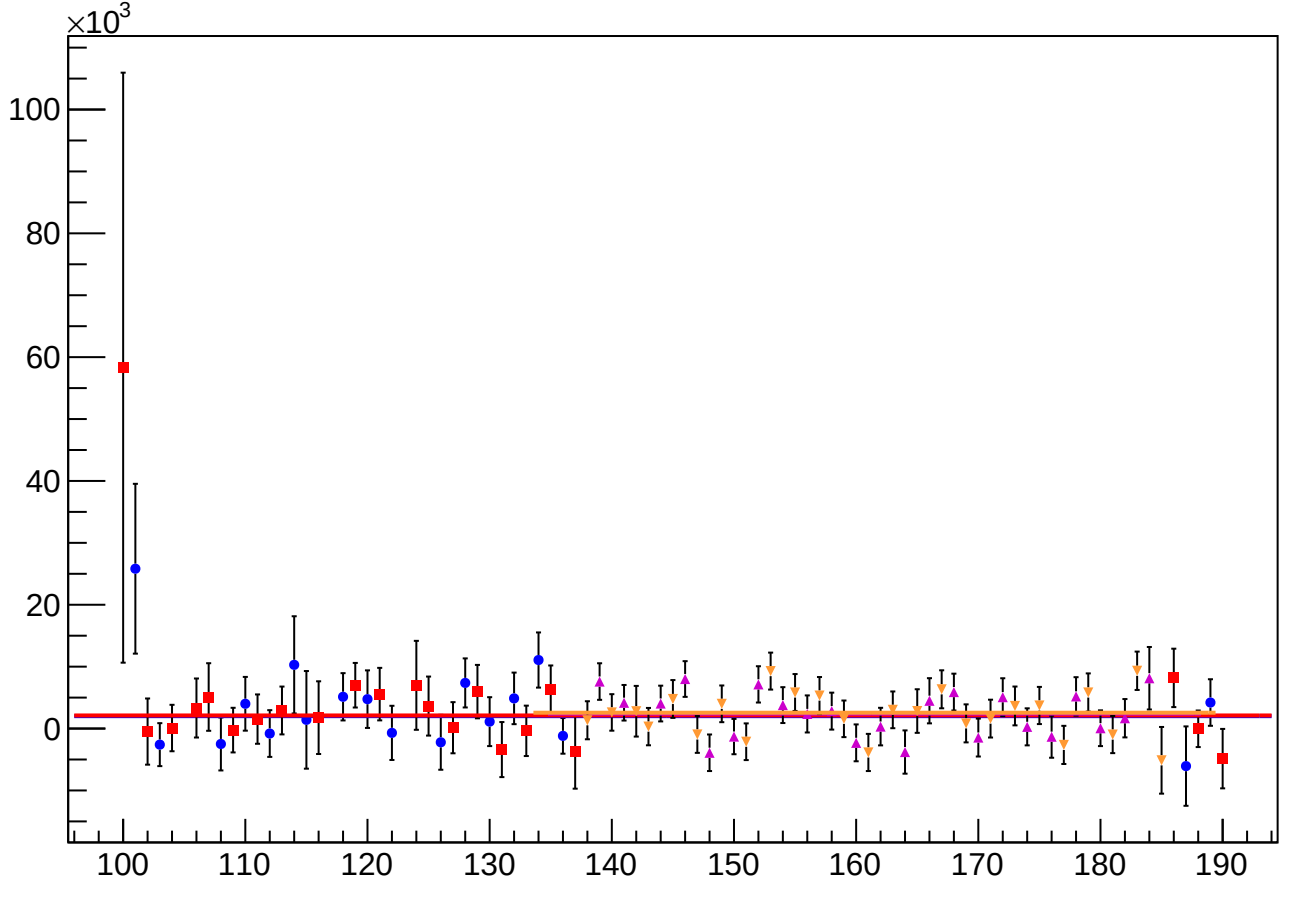
Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5199517.3/39

In: 0.000+/-0.000 χ^2/NDF:6859123.6/40

Out: 0.000+/-0.000 χ^2/NDF:24665222.8/46

All: 0.000+/-0.000 χ^2/NDF: 40895094.7/87



Right In: 2002.990+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2115.379+/-938.449 χ^2/NDF: 15.1/21

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

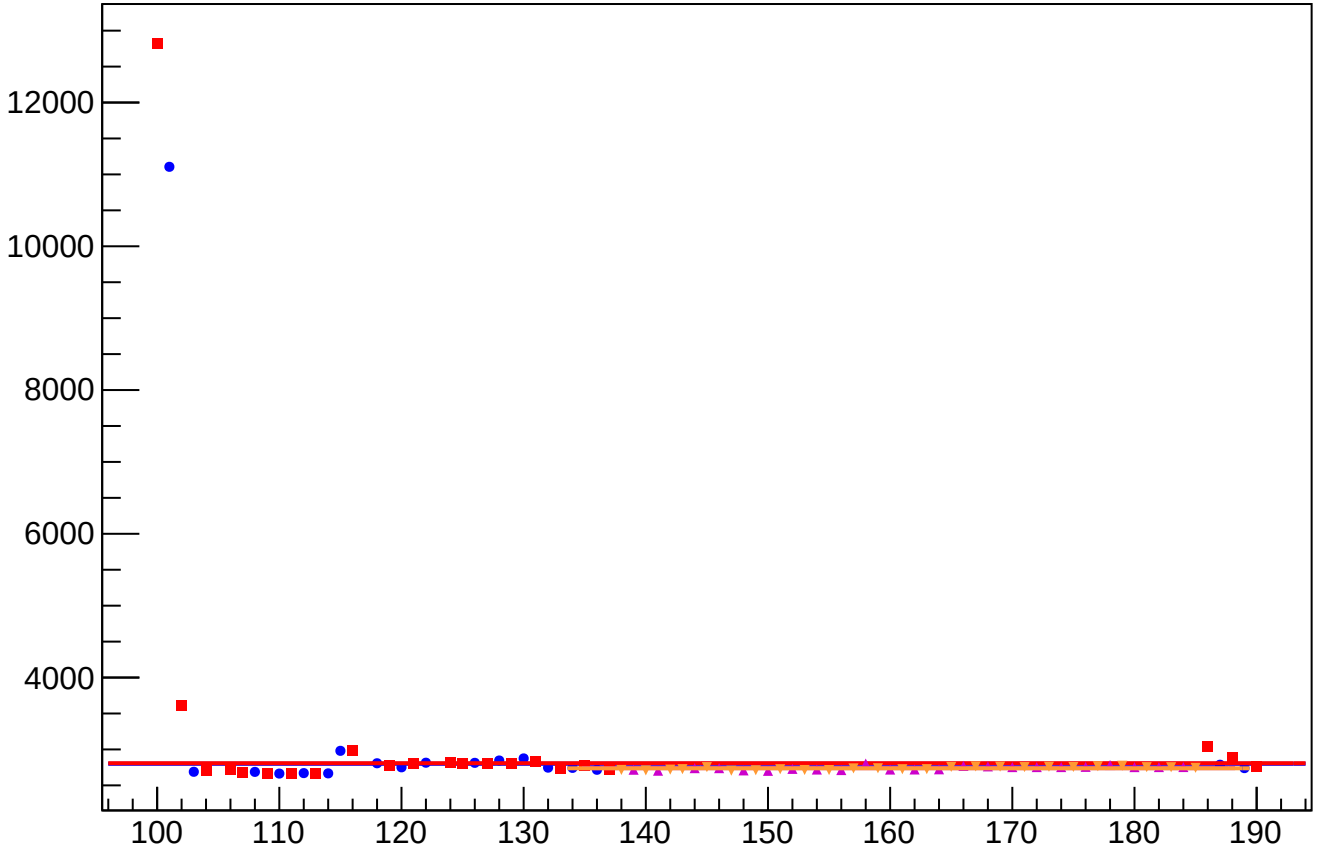
Right: 2063.665+/-689.527 χ^2/NDF: 34.9/39

In: 2293.326+/-541.427 χ^2/NDF:51.2/40

Out: 2422.141+/-518.361 χ^2/NDF:46.9/46

All: 2360.536+/-374.425 χ^2/NDF: 98.1/87

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2800.213+/-0.719 χ^2/NDF: 746808.3/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2808.206+/-0.664 χ^2/NDF: 154176.2/21

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

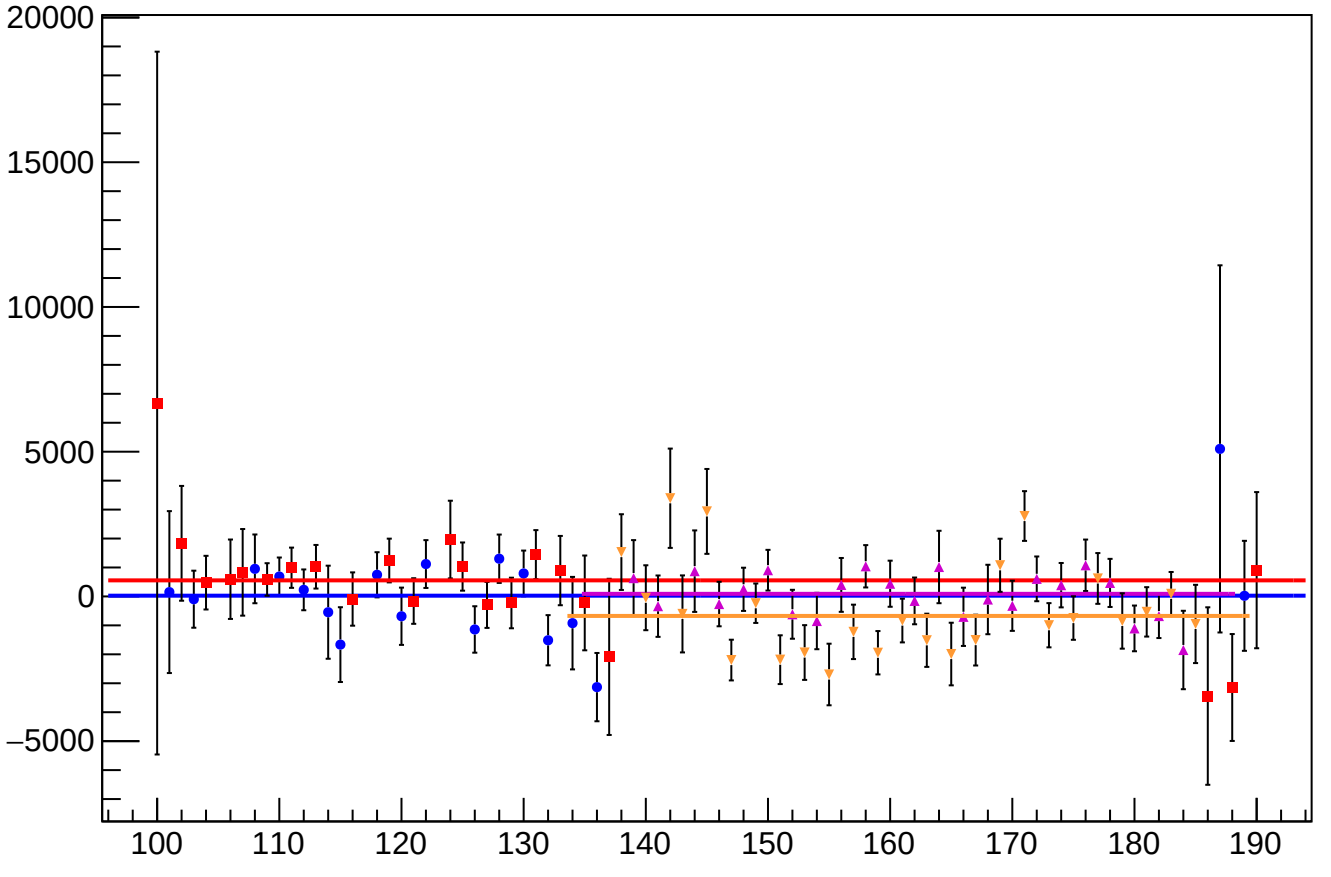
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2804.528+/-0.488 χ^2/NDF: 901051.3/39

In: 2756.985+/-0.383 χ^2/NDF:755220.0/40

Out: 2759.085+/-0.367 χ^2/NDF:164378.9/46

All: 2758.081+/-0.265 χ^2/NDF: 919614.5/87



Right In: 25.778+/-231.585 χ^2/NDF: 23.4/17

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 554.916+/-213.293 χ^2/NDF: 15.1/21

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

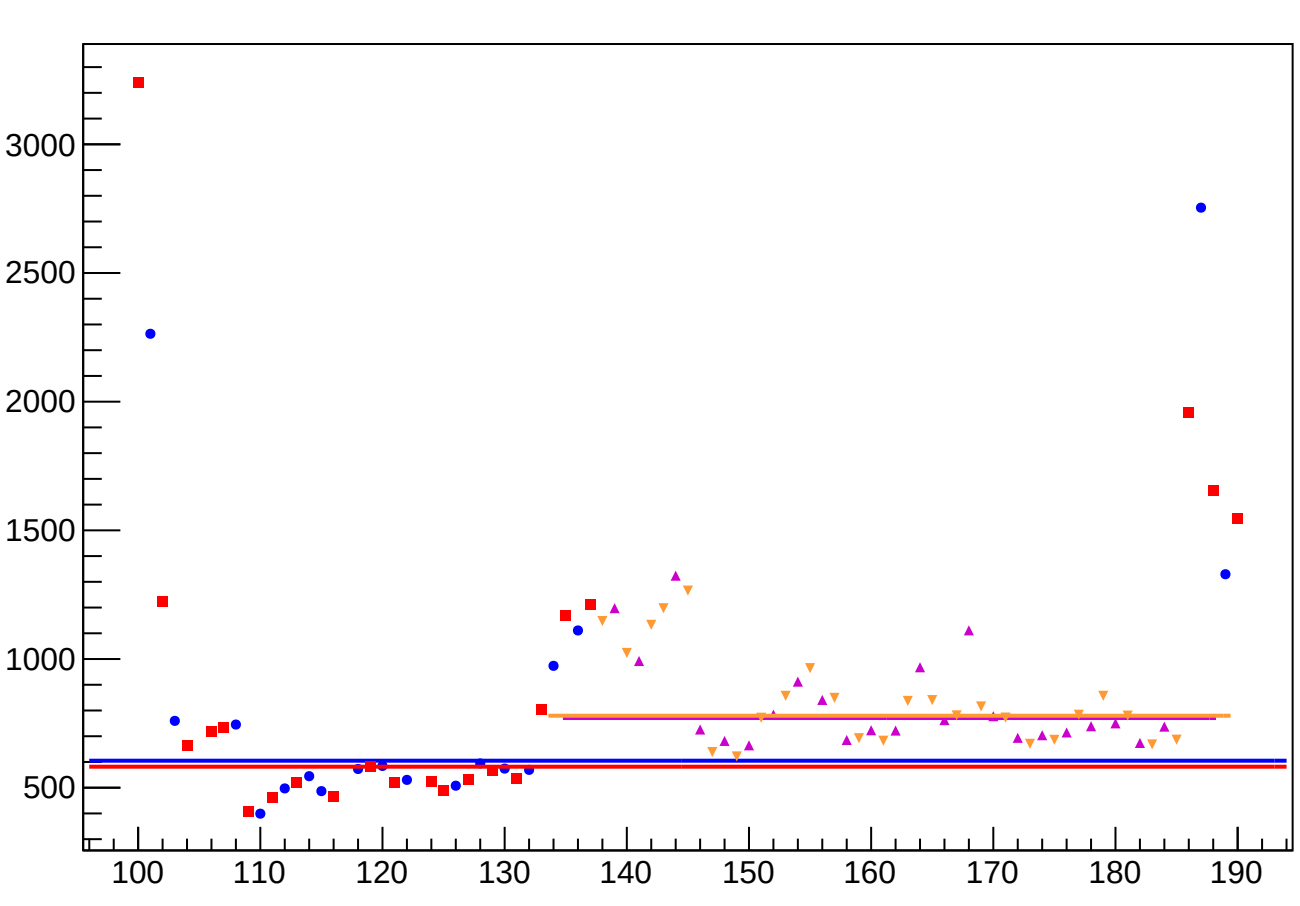
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 312.066+/-156.890 χ^2/NDF: 41.3/39

In: 64.936+/-143.819 χ^2/NDF:38.2/40

Out: -158.582+/-138.109 χ^2/NDF:92.7/46

All: -51.349+/-99.615 χ^2/NDF: 132.2/87



Right In: 604.898+/-0.164 χ^2/NDF: 2095310.0/17

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 581.666+/-0.151 χ^2/NDF: 2484132.7/21

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

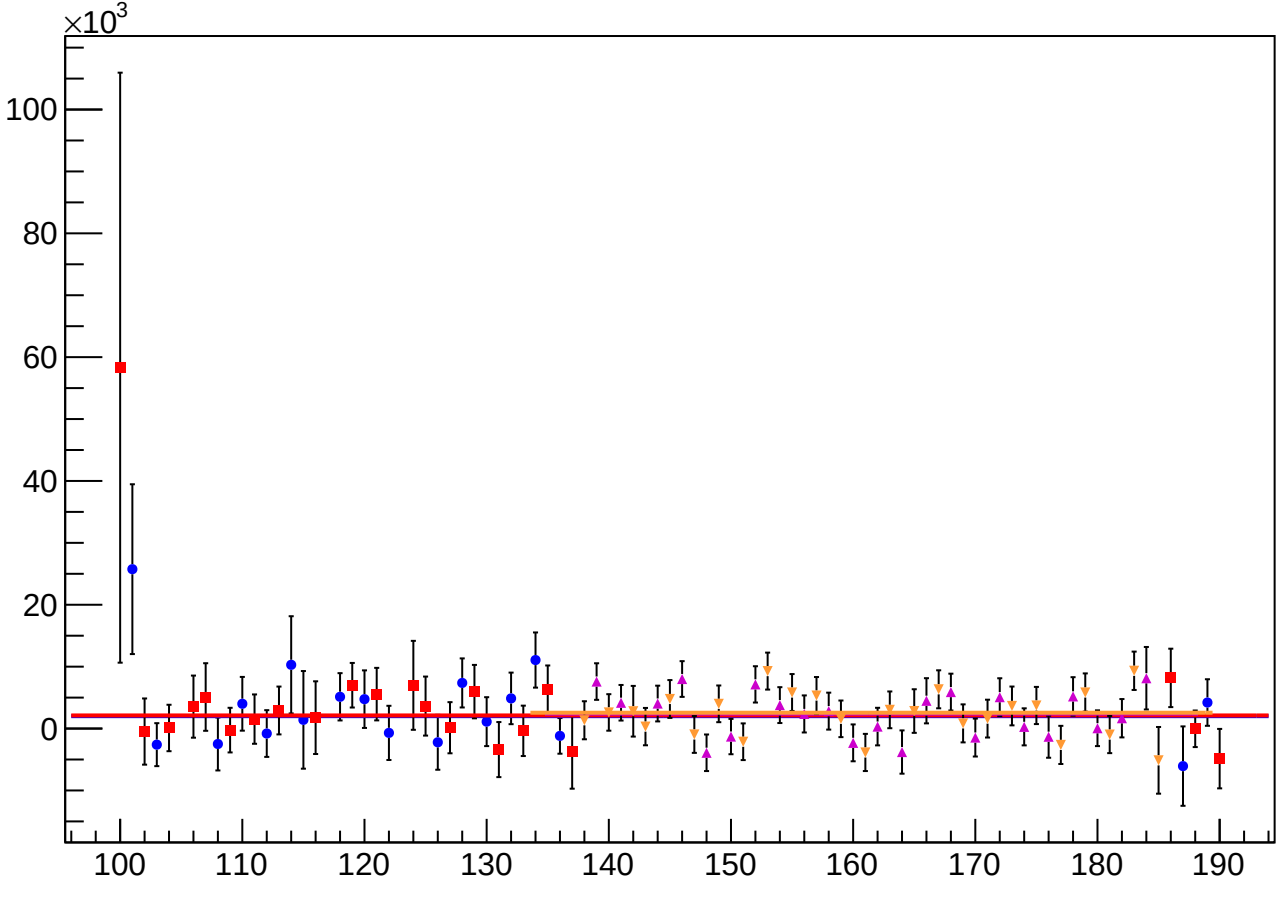
Right: 592.329+/-0.111 χ^2/NDF: 4590332.7/39

In: 706.814+/-0.102 χ^2/NDF:3802167.2/40

Out: 696.680+/-0.098 χ^2/NDF:4729256.3/46

All: 701.542+/-0.070 χ^2/NDF: 8536589.2/87

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2002.284+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2119.146+/-940.223 χ^2/NDF: 15.2/21

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

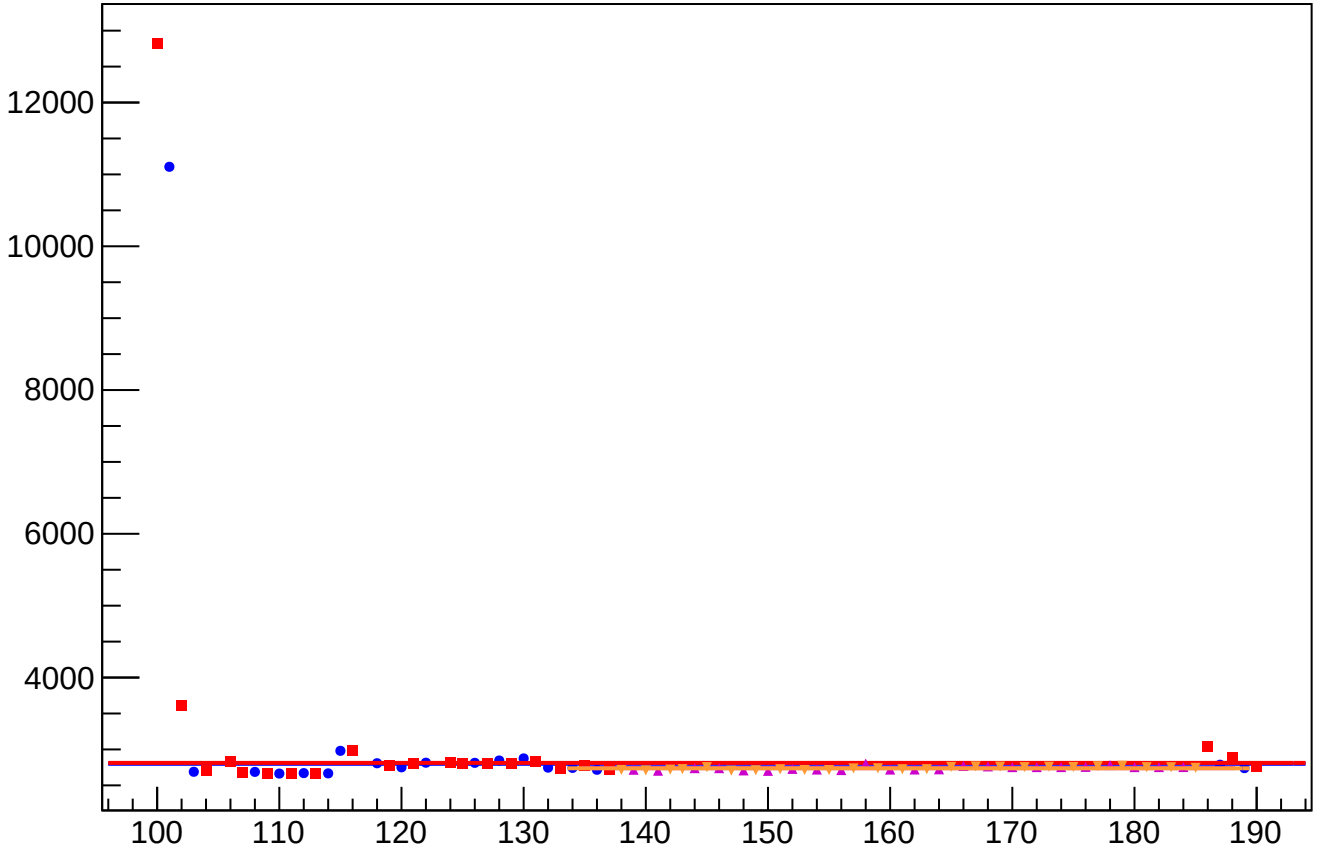
Right: 2065.263+/-690.230 χ^2/NDF: 34.9/39

In: 2293.227+/-541.427 χ^2/NDF:51.2/40

Out: 2423.613+/-518.659 χ^2/NDF:46.9/46

All: 2361.219+/-374.538 χ^2/NDF: 98.1/87

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2800.213+/-0.719 χ^2/NDF: 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2812.659+/-0.665 χ^2/NDF: 153542.8/21

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

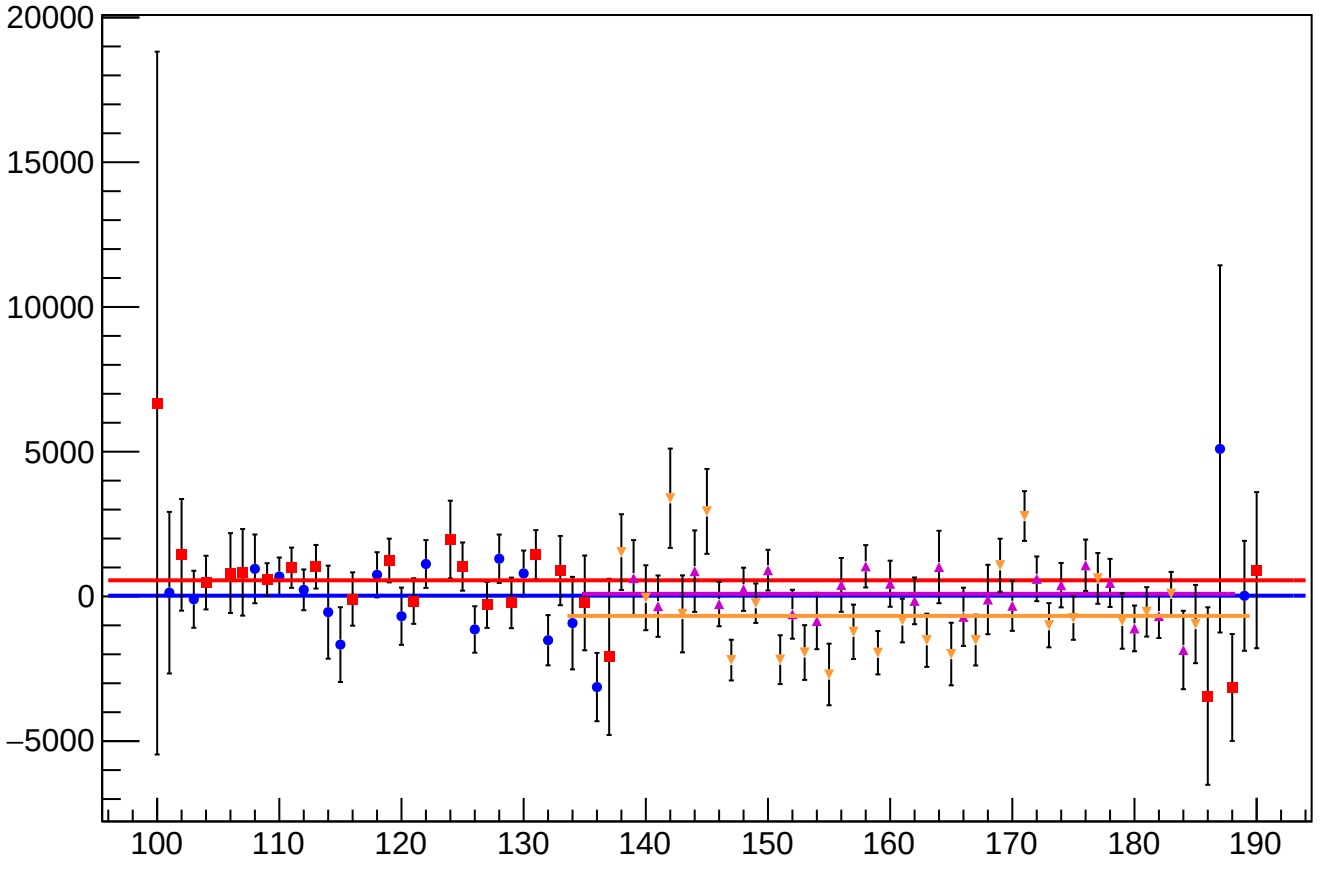
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2806.920+/-0.488 χ^2/NDF: 900511.8/39

In: 2756.985+/-0.383 χ^2/NDF:755219.1/40

Out: 2760.384+/-0.367 χ^2/NDF:164746.9/46

All: 2758.757+/-0.265 χ^2/NDF: 920007.0/87



Right In: 25.738+/-231.573 χ^2/NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 556.027+/-213.248 χ^2/NDF: 14.9/21

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

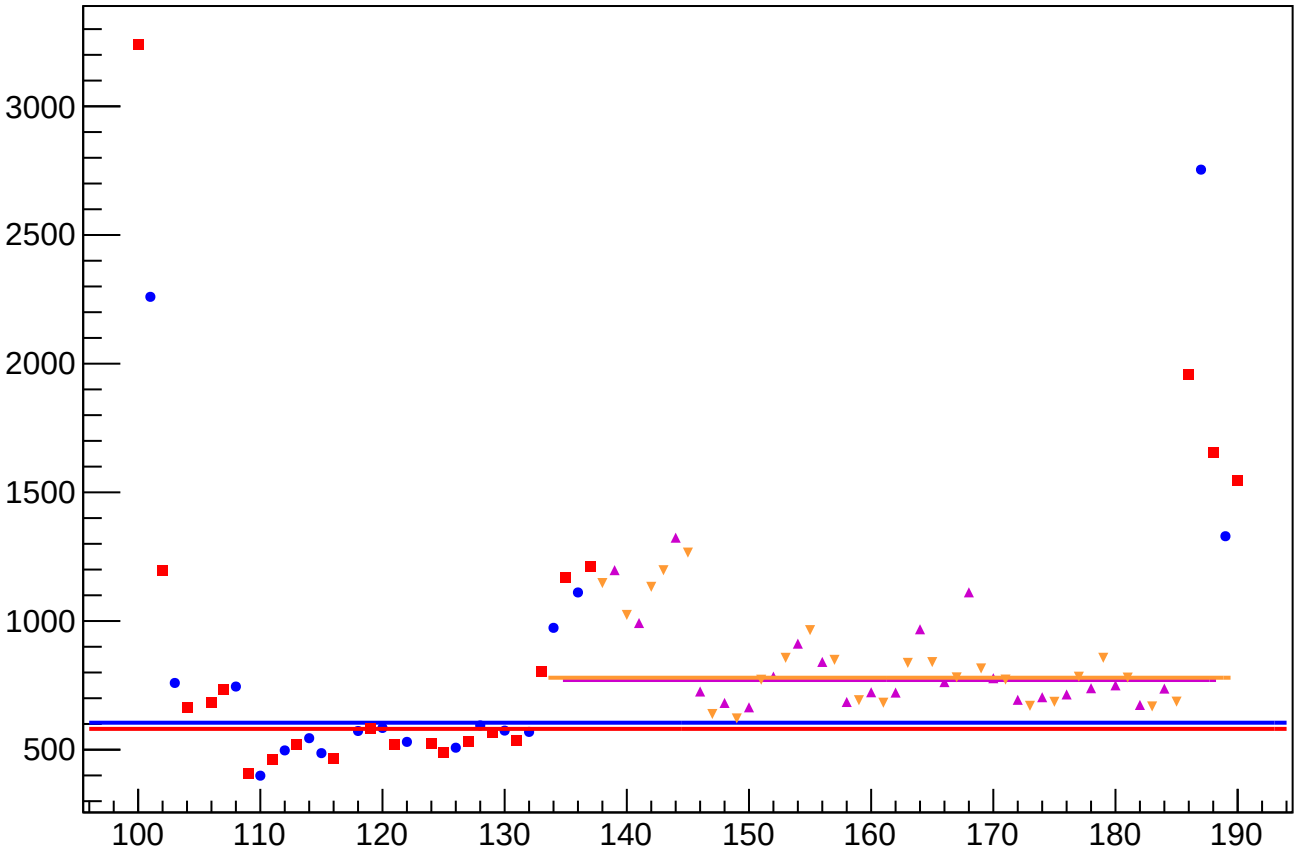
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 312.692+/-156.868 χ^2/NDF: 41.2/39

In: 64.996+/-143.817 χ^2/NDF:38.2/40

Out: -157.942+/-138.096 χ^2/NDF:92.6/46

All: -50.995+/-99.610 χ^2/NDF: 132.1/87



Right In: 604.895+/-0.164 χ^2/NDF: 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 580.924+/-0.151 χ^2/NDF: 2470638.6/21

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

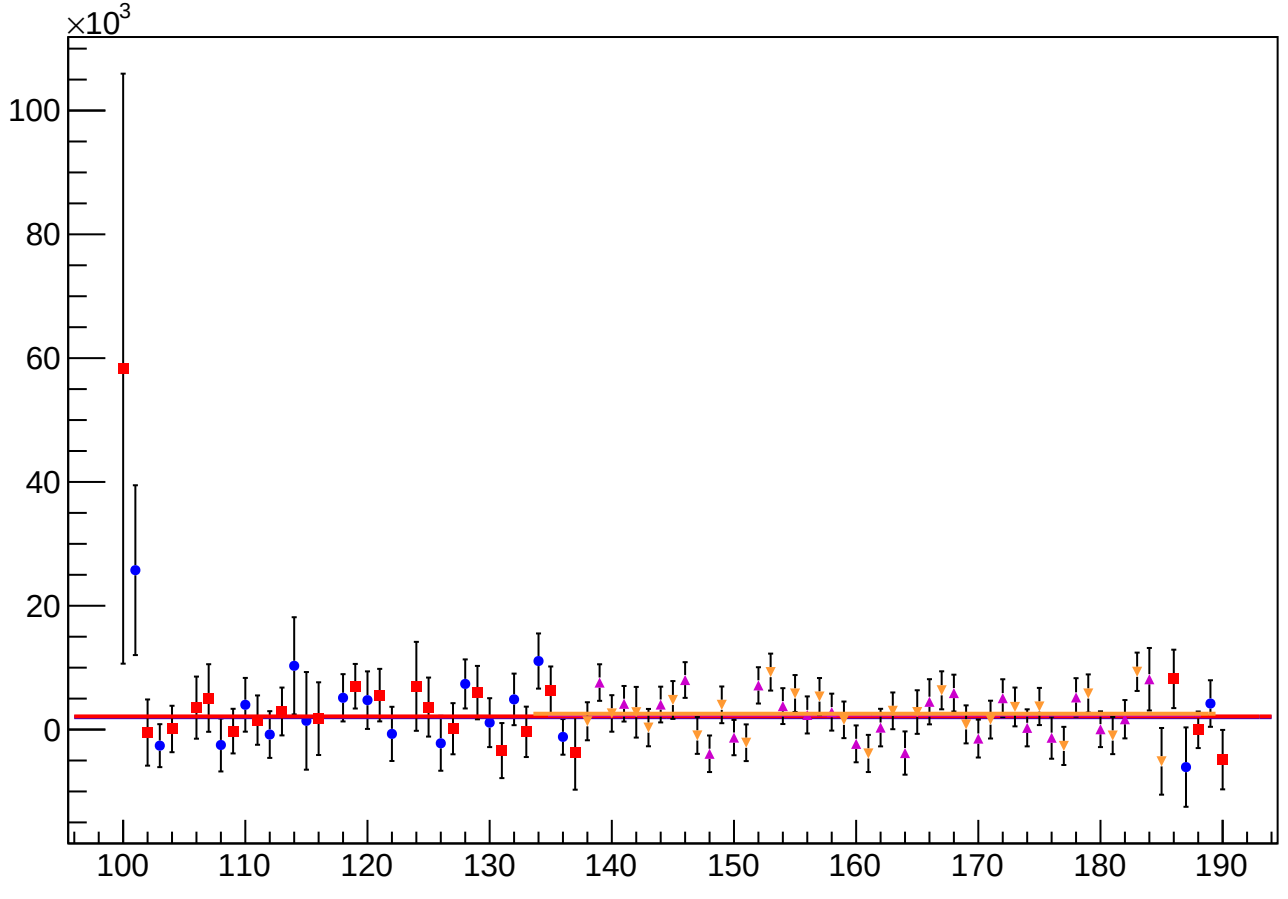
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 591.924+/-0.111 χ^2/NDF: 4576518.0/39

In: 706.811+/-0.102 χ^2/NDF:3801165.8/40

Out: 696.348+/-0.098 χ^2/NDF:4723534.6/46

All: 701.367+/-0.070 χ^2/NDF: 8530208.1/87



Right In: 2002.284+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2119.146+/-940.223 χ^2/NDF: 15.2/21

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

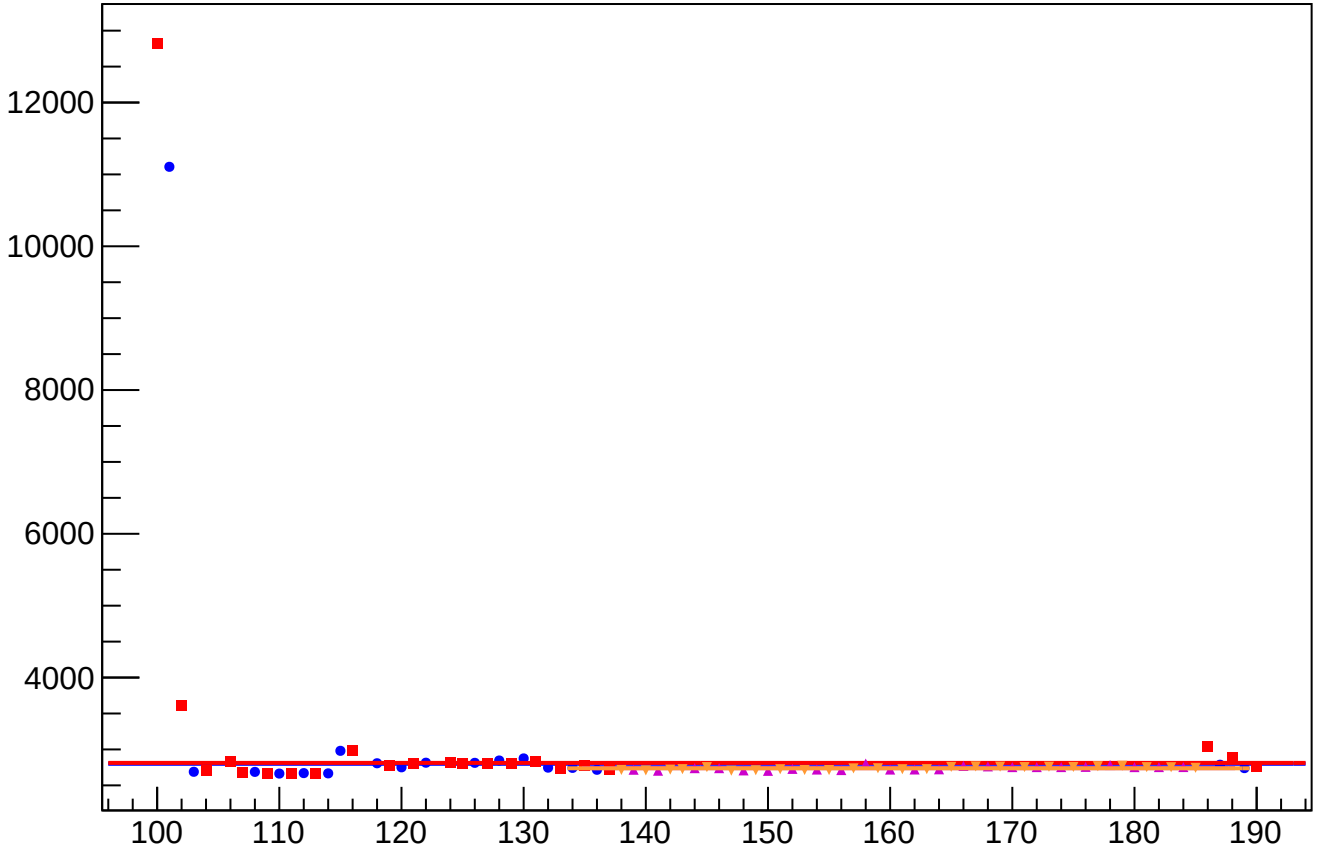
Right: 2065.263+/-690.230 χ^2/NDF: 34.9/39

In: 2293.227+/-541.427 χ^2/NDF:51.2/40

Out: 2423.613+/-518.659 χ^2/NDF:46.9/46

All: 2361.219+/-374.538 χ^2/NDF: 98.1/87

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2800.213+/-0.719 χ^2/NDF: 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2812.659+/-0.665 χ^2/NDF: 153542.8/21

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

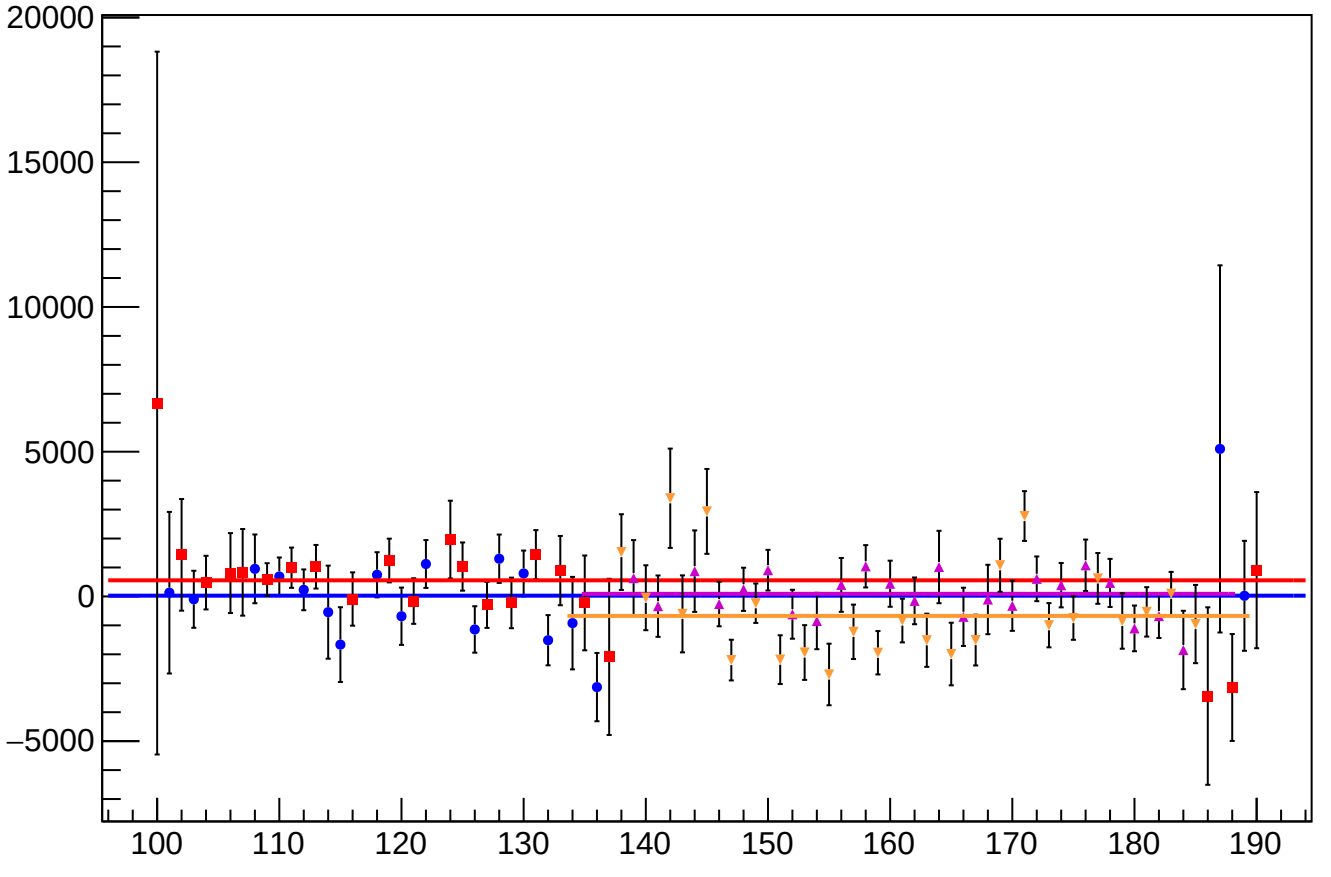
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2806.920+/-0.488 χ^2/NDF: 900511.8/39

In: 2756.985+/-0.383 χ^2/NDF:755219.1/40

Out: 2760.384+/-0.367 χ^2/NDF:164746.9/46

All: 2758.757+/-0.265 χ^2/NDF: 920007.0/87



Right In: 25.738+/-231.573 χ^2/NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 556.027+/-213.248 χ^2/NDF: 14.9/21

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

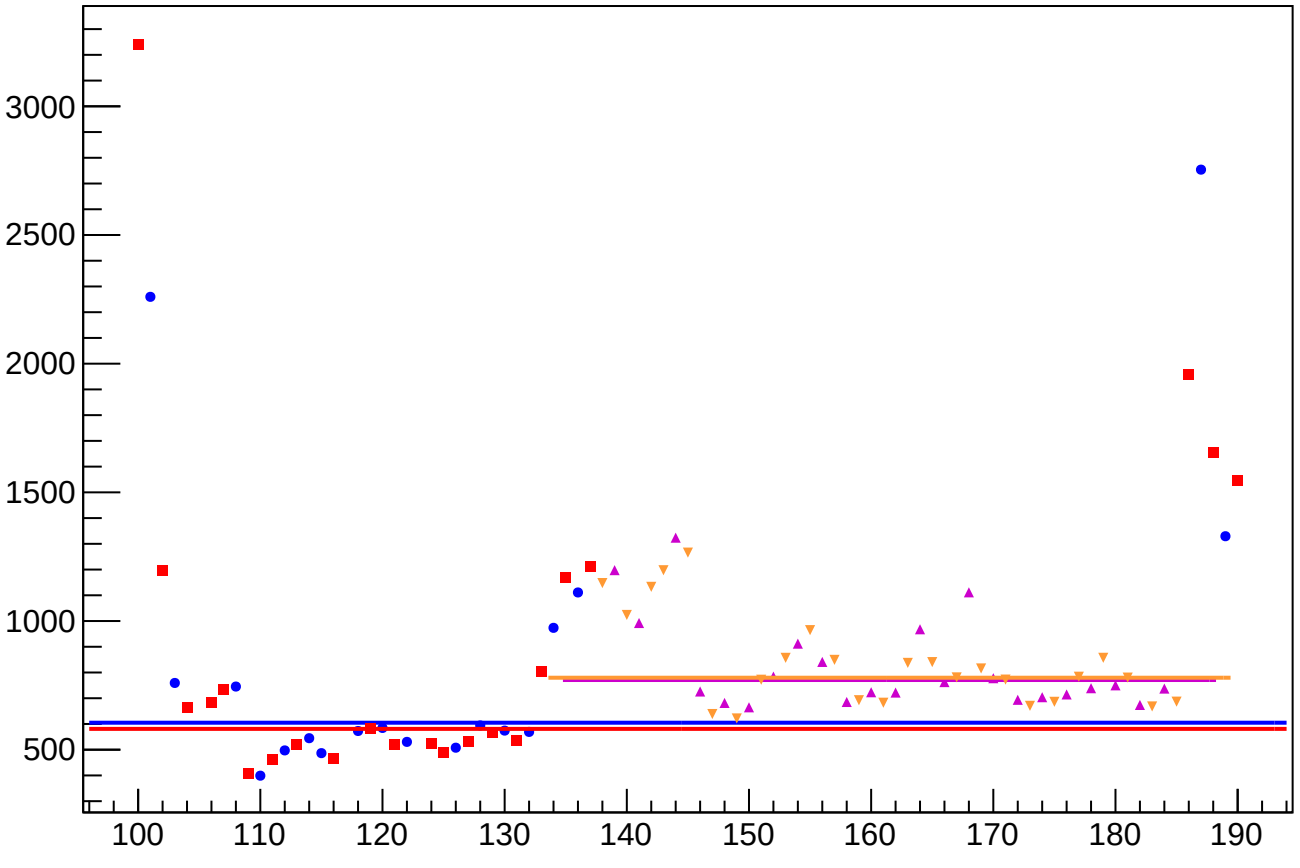
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 312.692+/-156.868 χ^2/NDF: 41.2/39

In: 64.996+/-143.817 χ^2/NDF:38.2/40

Out: -157.942+/-138.096 χ^2/NDF:92.6/46

All: -50.995+/-99.610 χ^2/NDF: 132.1/87



Right In: 604.895+/-0.164 χ^2/NDF: 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 580.924+/-0.151 χ^2/NDF: 2470638.6/21

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

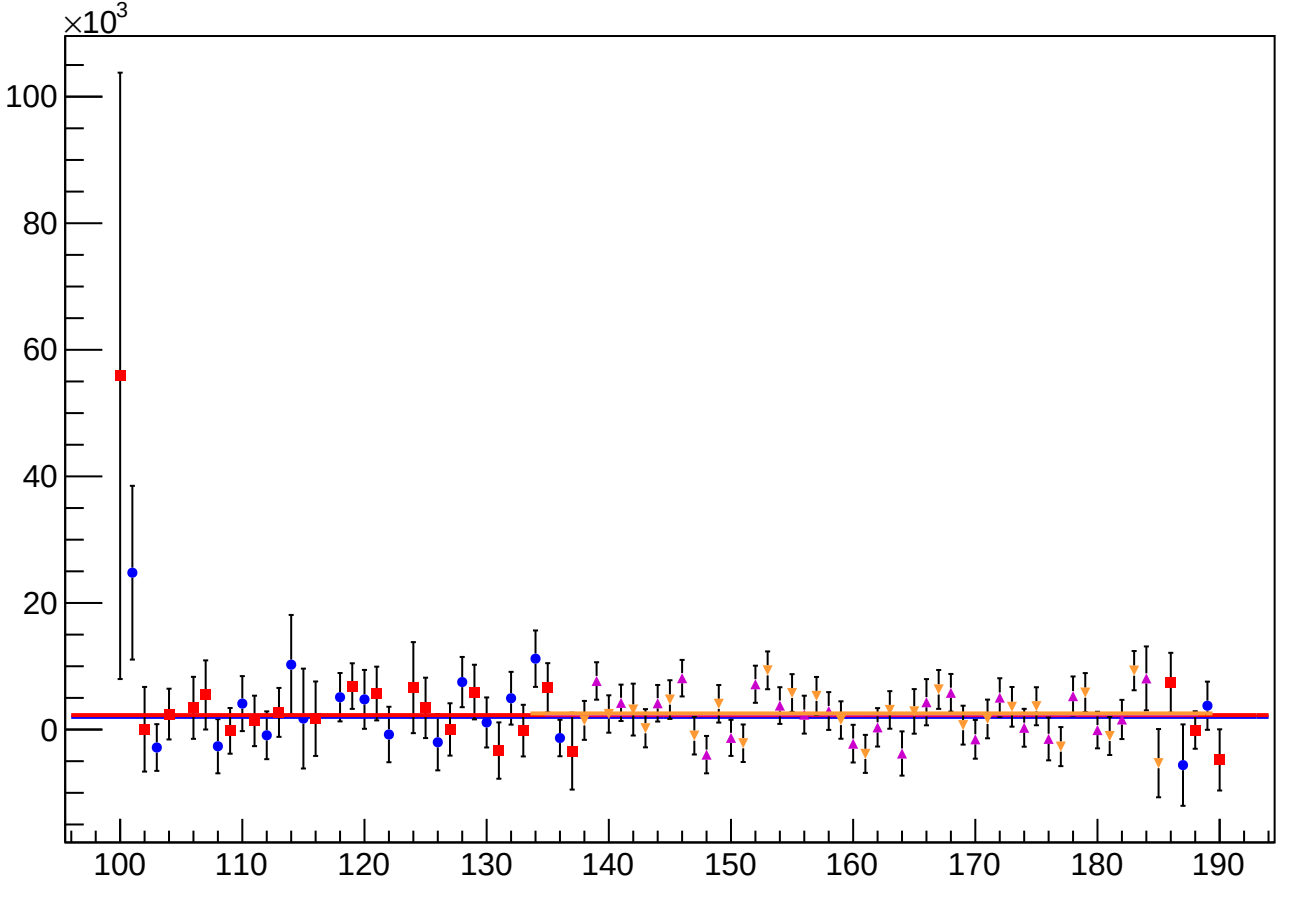
Right: 591.924+/-0.111 χ^2/NDF: 4576518.0/39

In: 706.811+/-0.102 χ^2/NDF:3801165.8/40

Out: 696.348+/-0.098 χ^2/NDF:4723534.6/46

All: 701.367+/-0.070 χ^2/NDF: 8530208.1/87

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2002.084+/-1023.260 χ^2/NDF: 19.5/17

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2279.198+/-949.701 χ^2/NDF: 14.0/21

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

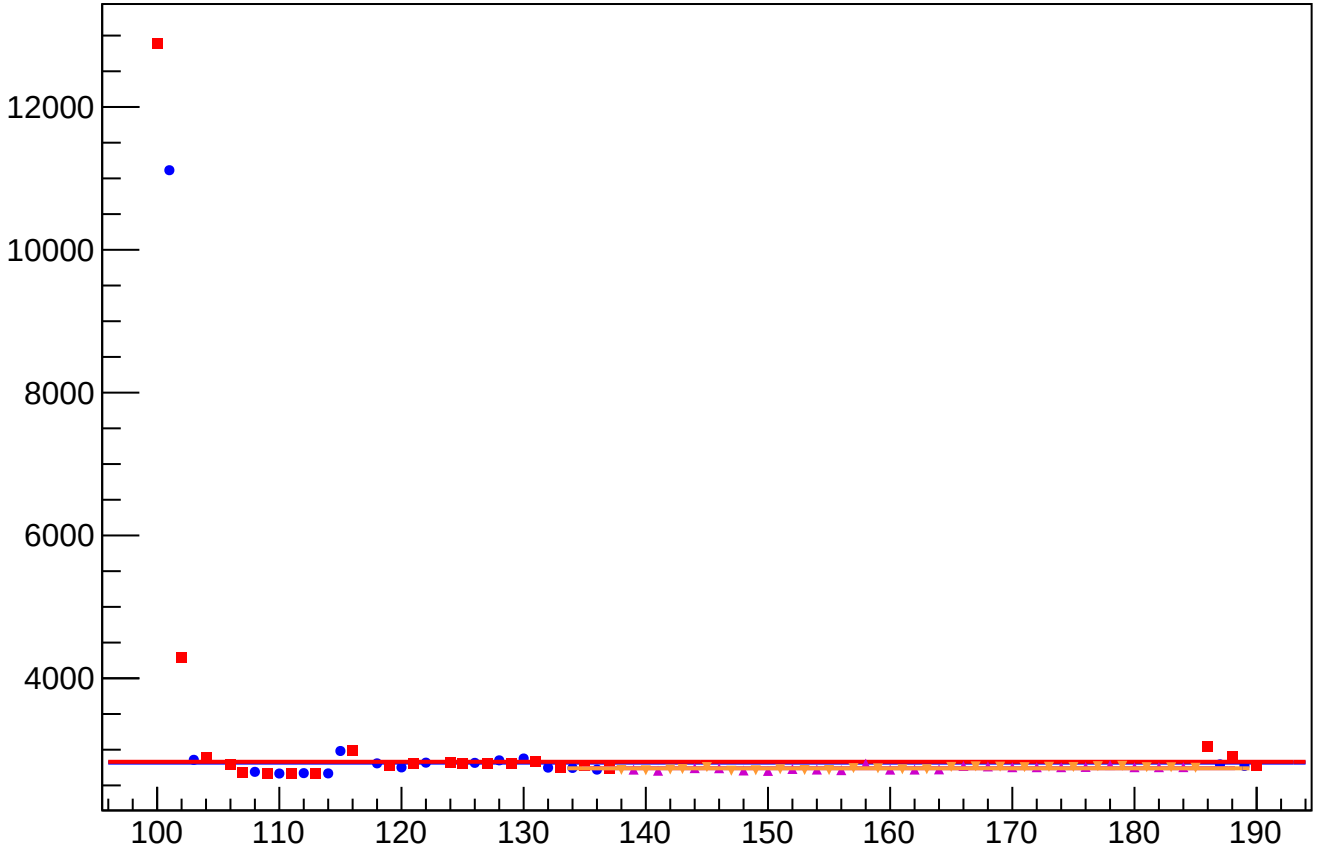
Right: 2150.959+/-696.094 χ^2/NDF: 33.5/39

In: 2293.017+/-542.660 χ^2/NDF:51.4/40

Out: 2465.198+/-520.472 χ^2/NDF:46.0/46

All: 2382.700+/-375.628 χ^2/NDF: 97.4/87

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2819.033+/-0.724 χ^2/NDF: 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2830.765+/-0.672 χ^2/NDF: 206403.2/21

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

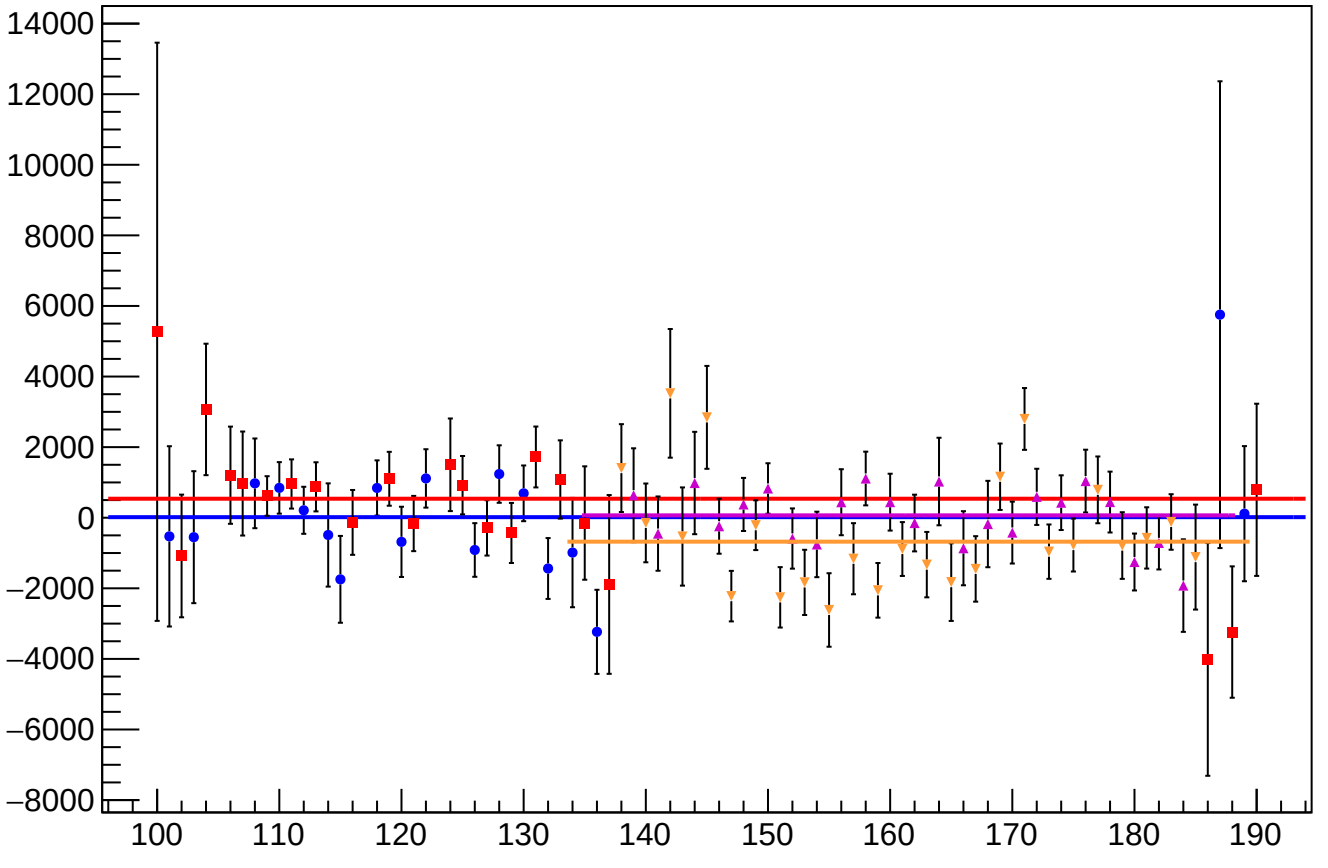
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2825.335+/-0.492 χ^2/NDF: 950822.4/39

In: 2763.227+/-0.384 χ^2/NDF:755923.8/40

Out: 2766.774+/-0.368 χ^2/NDF:221703.5/46

All: 2765.074+/-0.266 χ^2/NDF: 977671.8/87



Right In: 15.964+/-235.500 χ^2/NDF: 23.6/17

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 538.517+/-214.340 χ^2/NDF: 18.3/21

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

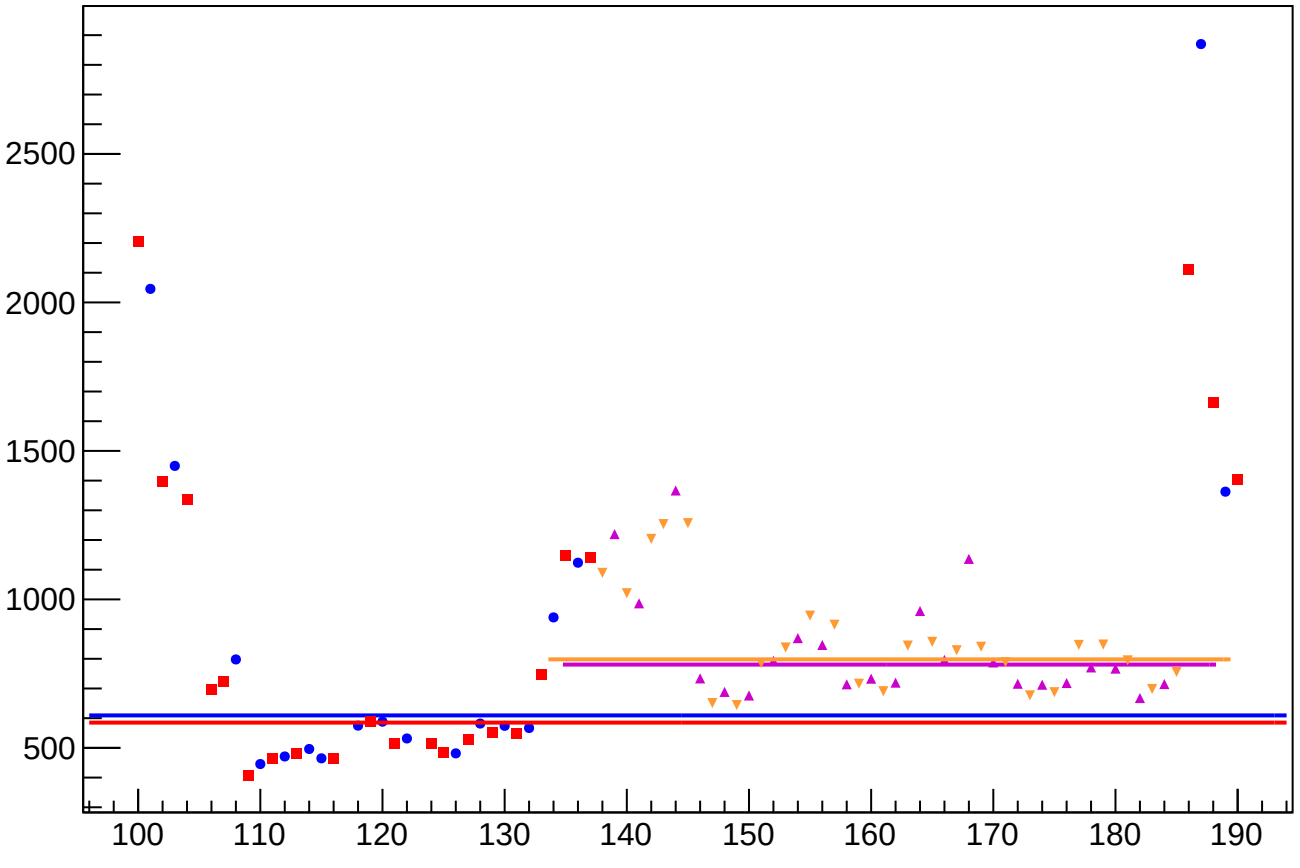
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 301.766+/-158.515 χ^2/NDF: 44.6/39

In: 47.564+/-145.691 χ^2/NDF:39.4/40

Out: -158.756+/-140.050 χ^2/NDF:93.0/46

All: -59.668+/-100.966 χ^2/NDF: 133.4/87



Right In: 609.362+/-0.167 χ^2/NDF: 2403537.1/17

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 585.145+/-0.152 χ^2/NDF: 2986824.3/21

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

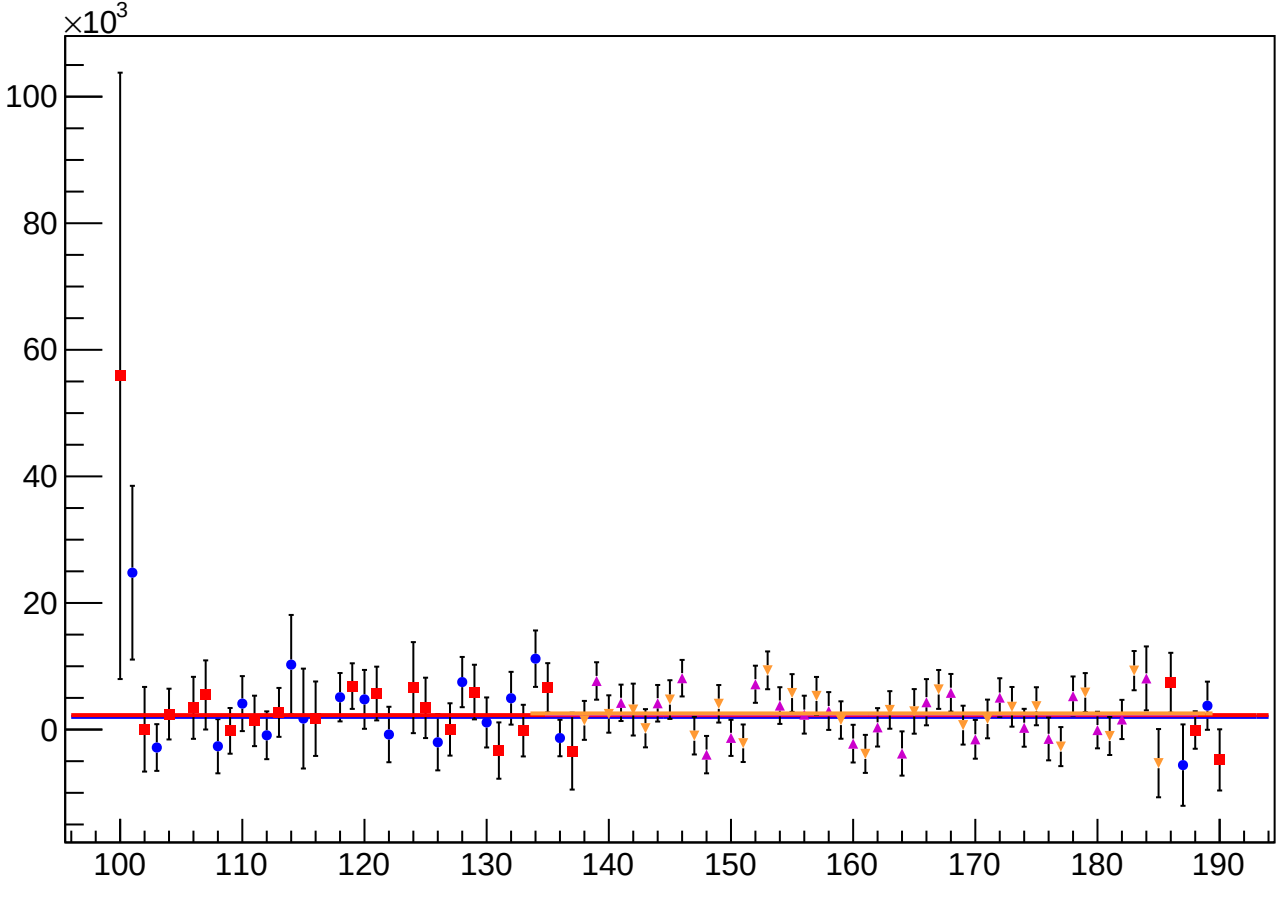
Right: 596.117+/-0.112 χ^2/NDF: 5401928.4/39

In: 715.017+/-0.103 χ^2/NDF:4120520.1/40

Out: 707.177+/-0.099 χ^2/NDF:5286454.3/46

All: 710.942+/-0.071 χ^2/NDF: 9409984.5/87

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2002.084+/-1023.260 χ^2/NDF: 19.5/17

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2279.195+/-949.701 χ^2/NDF: 14.0/21

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

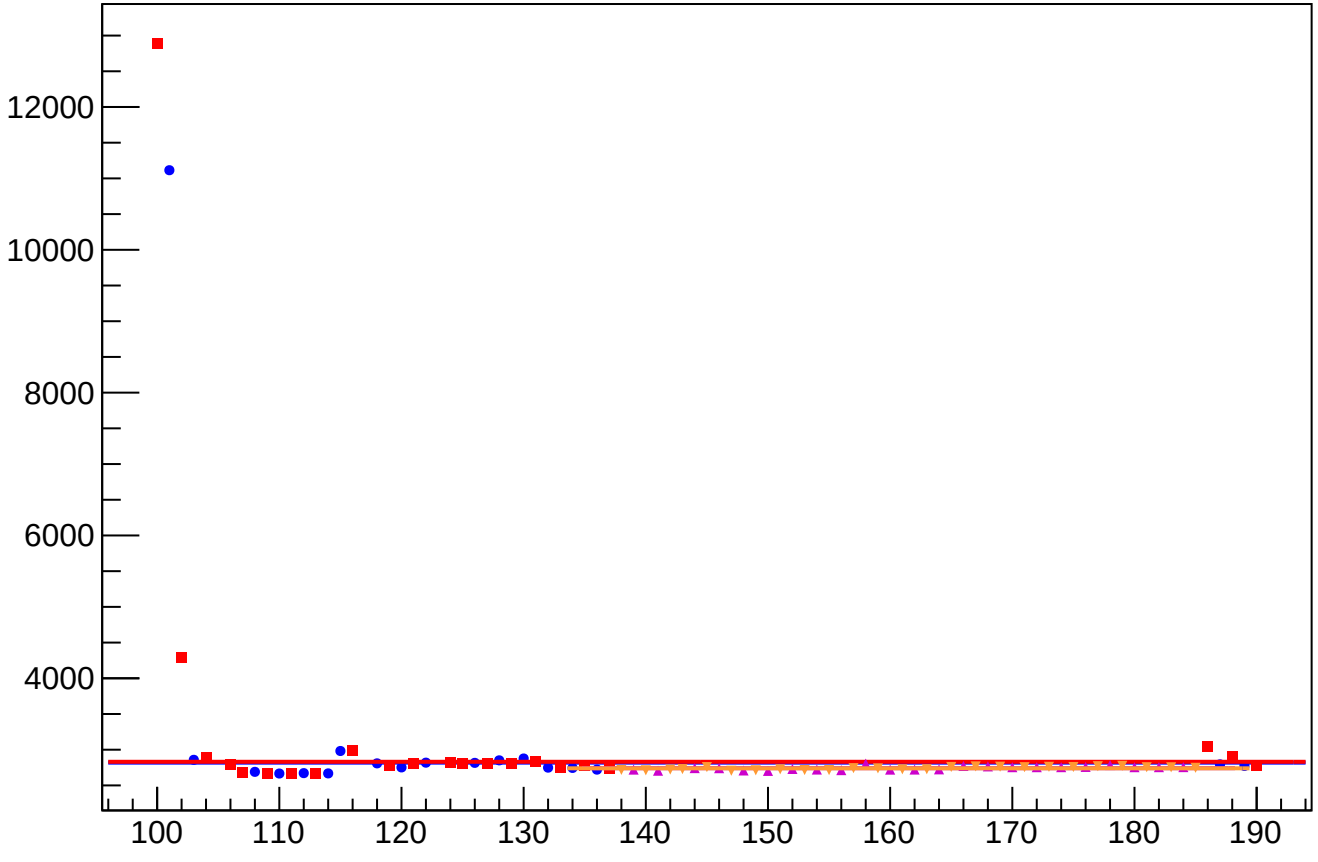
Right: 2150.957+/-696.094 χ^2/NDF: 33.5/39

In: 2293.017+/-542.660 χ^2/NDF:51.4/40

Out: 2465.198+/-520.472 χ^2/NDF:46.0/46

All: 2382.700+/-375.628 χ^2/NDF: 97.4/87

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2819.033+/-0.724 χ^2/NDF: 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2830.764+/-0.672 χ^2/NDF: 206403.0/21

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

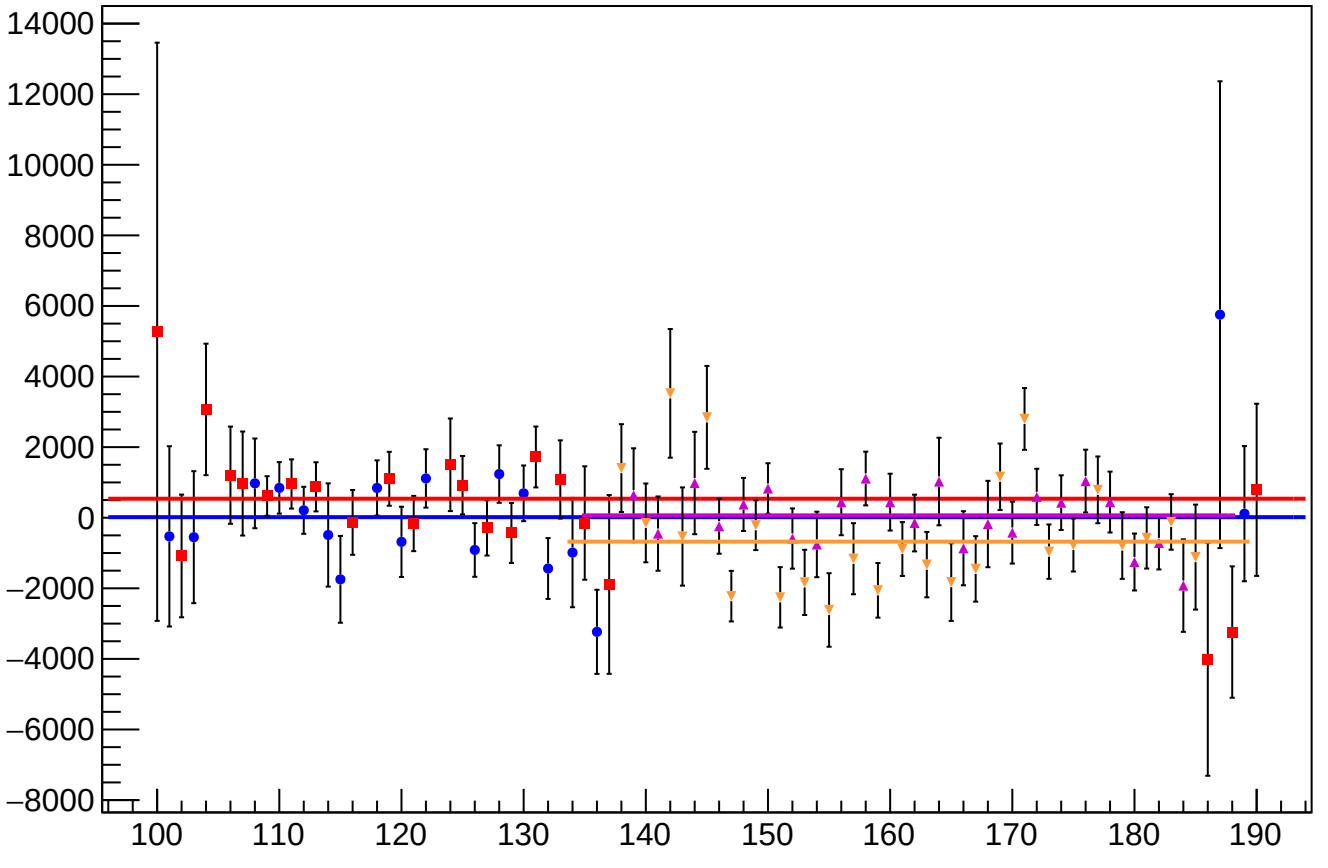
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2825.335+/-0.492 χ^2/NDF: 950822.2/39

In: 2763.227+/-0.384 χ^2/NDF:755923.8/40

Out: 2766.774+/-0.368 χ^2/NDF:221703.3/46

All: 2765.074+/-0.266 χ^2/NDF: 977671.6/87



Right In: 15.964+/-235.500 χ^2/NDF: 23.6/17

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 538.517+/-214.340 χ^2/NDF: 18.3/21

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

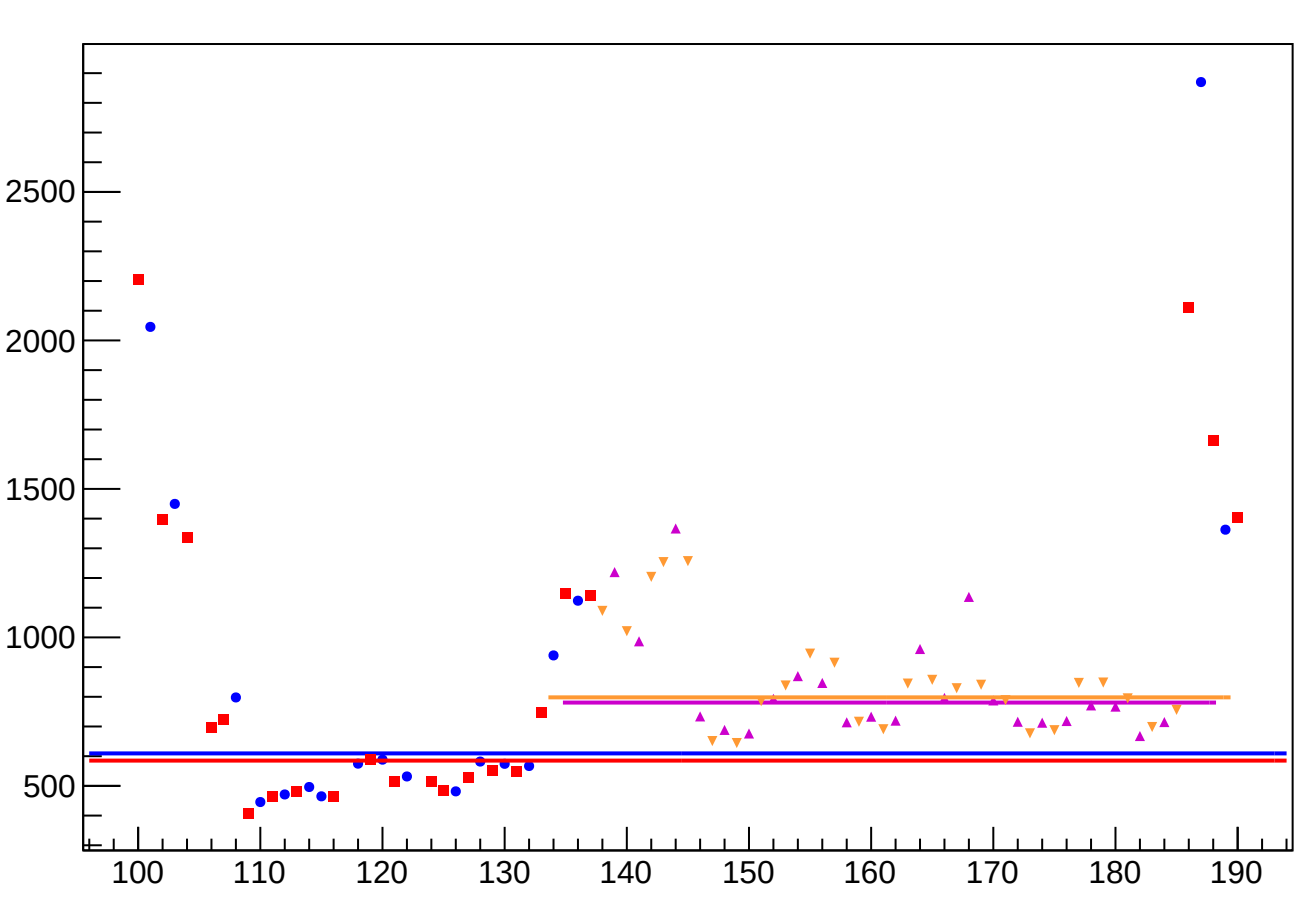
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 301.767+/-158.515 χ^2/NDF: 44.6/39

In: 47.564+/-145.691 χ^2/NDF:39.4/40

Out: -158.757+/-140.050 χ^2/NDF:93.0/46

All: -59.668+/-100.966 χ^2/NDF: 133.4/87



Right In: 609.362+/-0.167 χ^2/NDF: 2403531.7/17

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 585.145+/-0.152 χ^2/NDF: 2986822.6/21

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

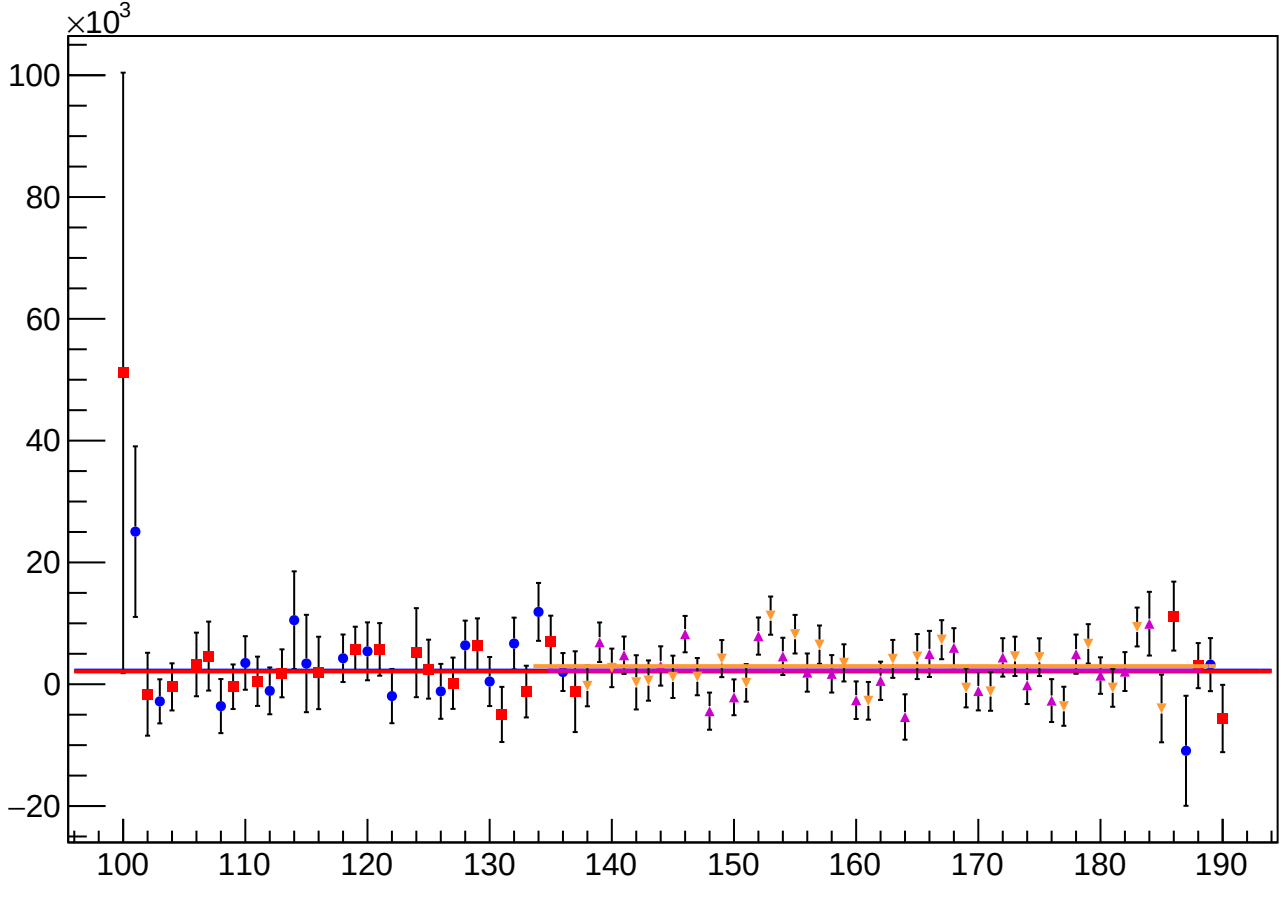
Right: 596.117+/-0.112 χ^2/NDF: 5401921.5/39

In: 715.017+/-0.103 χ^2/NDF:4120513.1/40

Out: 707.177+/-0.099 χ^2/NDF:5286453.5/46

All: 710.942+/-0.071 χ^2/NDF: 9409976.7/87

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2233.428+/-1064.688 χ^2/NDF: 19.0/17

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2102.601+/-999.133 χ^2/NDF: 14.9/21

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

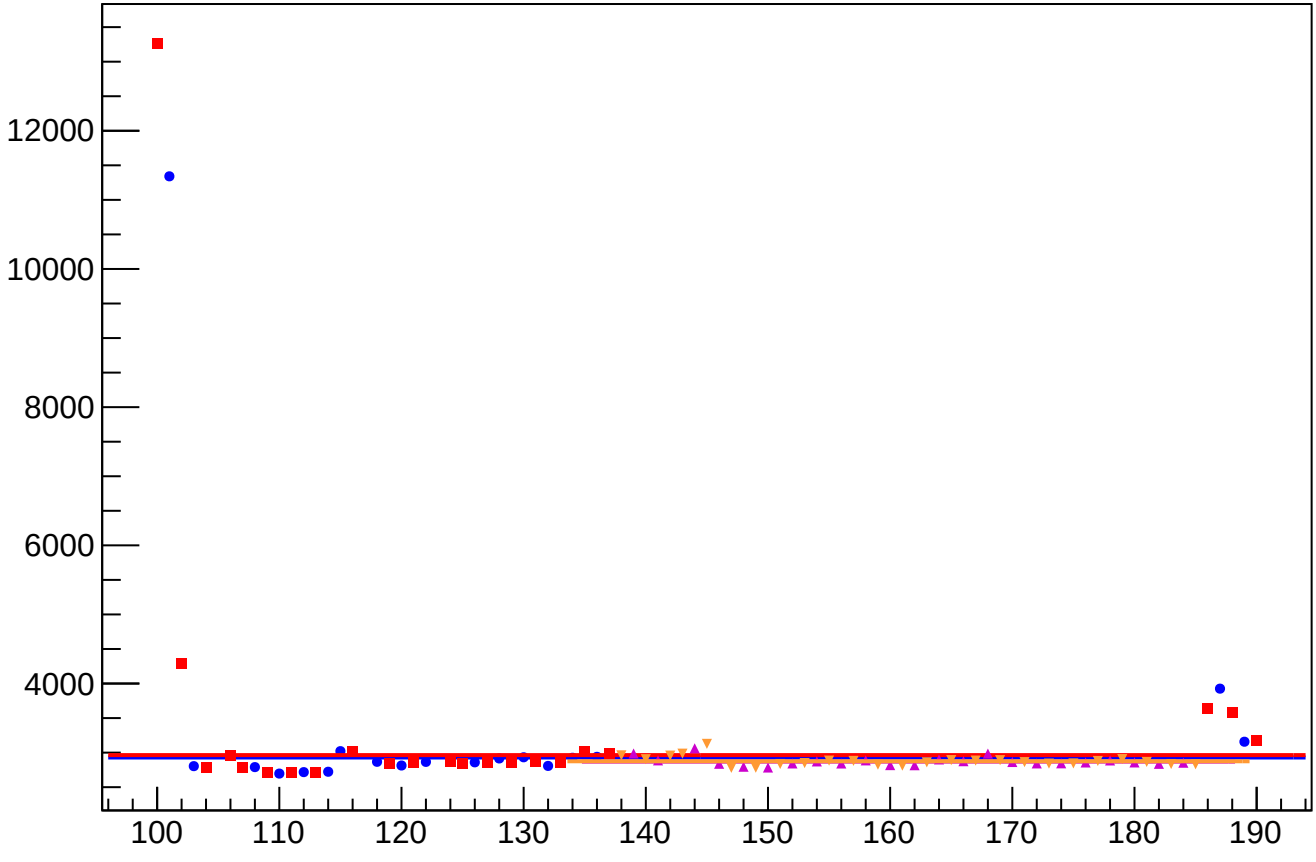
Right: 2163.863+/-728.568 χ^2/NDF: 33.9/39

In: 2236.340+/-567.261 χ^2/NDF:52.8/40

Out: 2709.761+/-546.779 χ^2/NDF:51.1/46

All: 2481.752+/-393.673 χ^2/NDF: 104.3/87

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2929.504+/-0.753 χ^2/NDF: 773092.5/17

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2964.138+/-0.706 χ^2/NDF: 294107.5/21

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

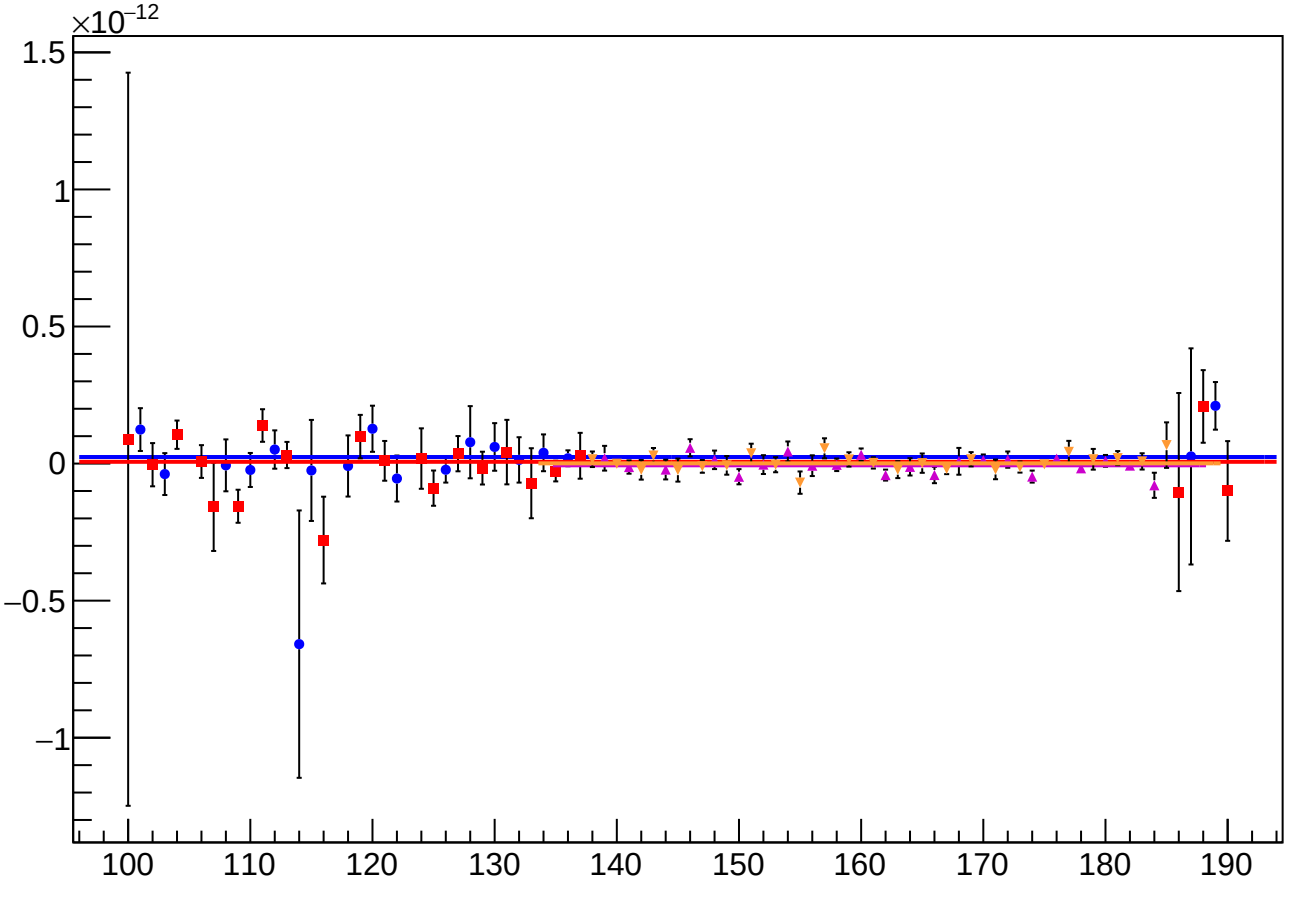
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2947.920+/-0.515 χ^2/NDF: 1068325.4/39

In: 2887.001+/-0.401 χ^2/NDF:795230.7/40

Out: 2901.649+/-0.387 χ^2/NDF:327064.4/46

All: 2894.594+/-0.278 χ^2/NDF: 1122986.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/21

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

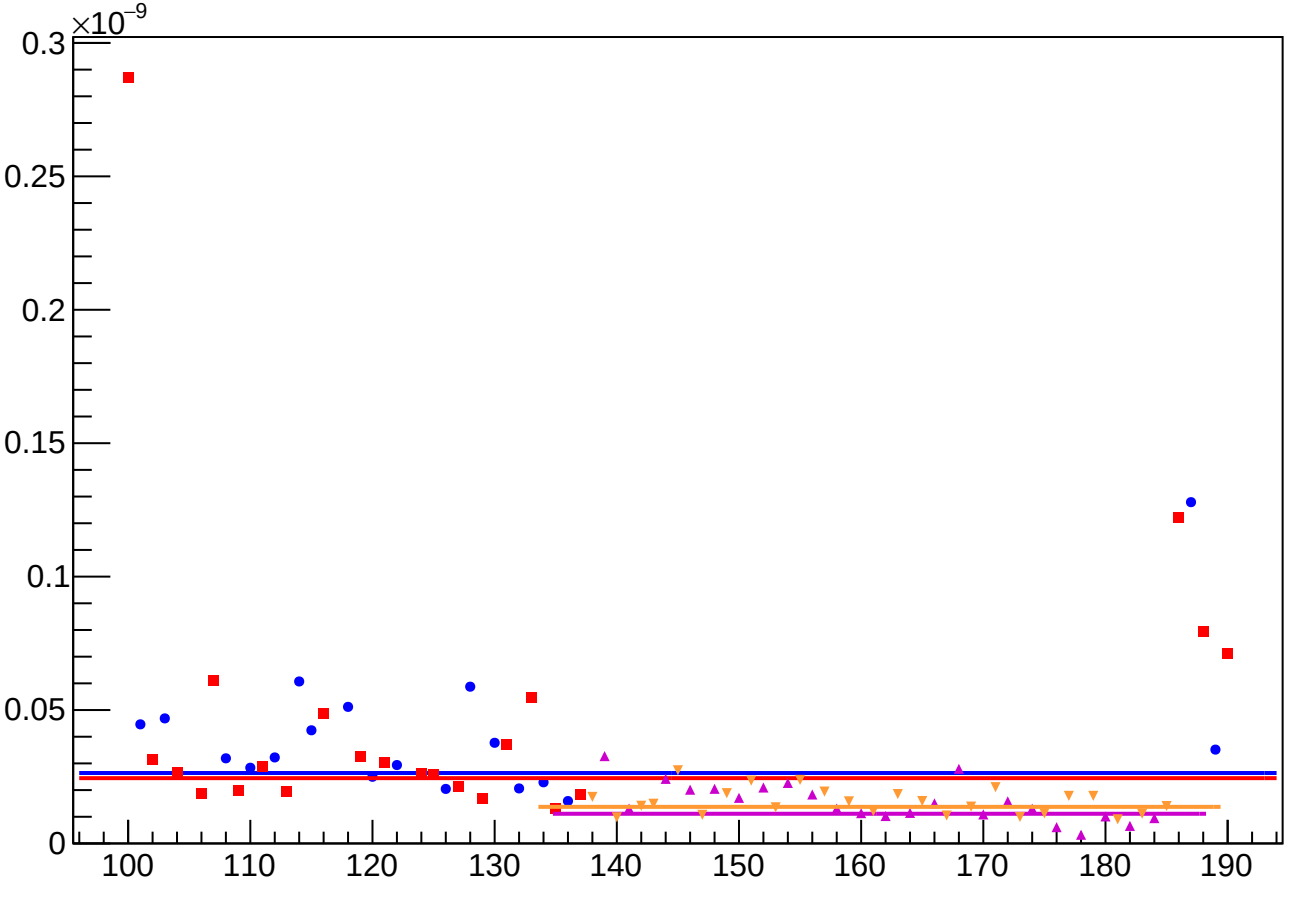
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 42.8/39

In: -0.000+/-0.000 χ^2/NDF:44.7/40

Out: 0.000+/-0.000 χ^2/NDF:43.0/46

All: -0.000+/-0.000 χ^2/NDF: 88.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 1020330.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1322205.0/21

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

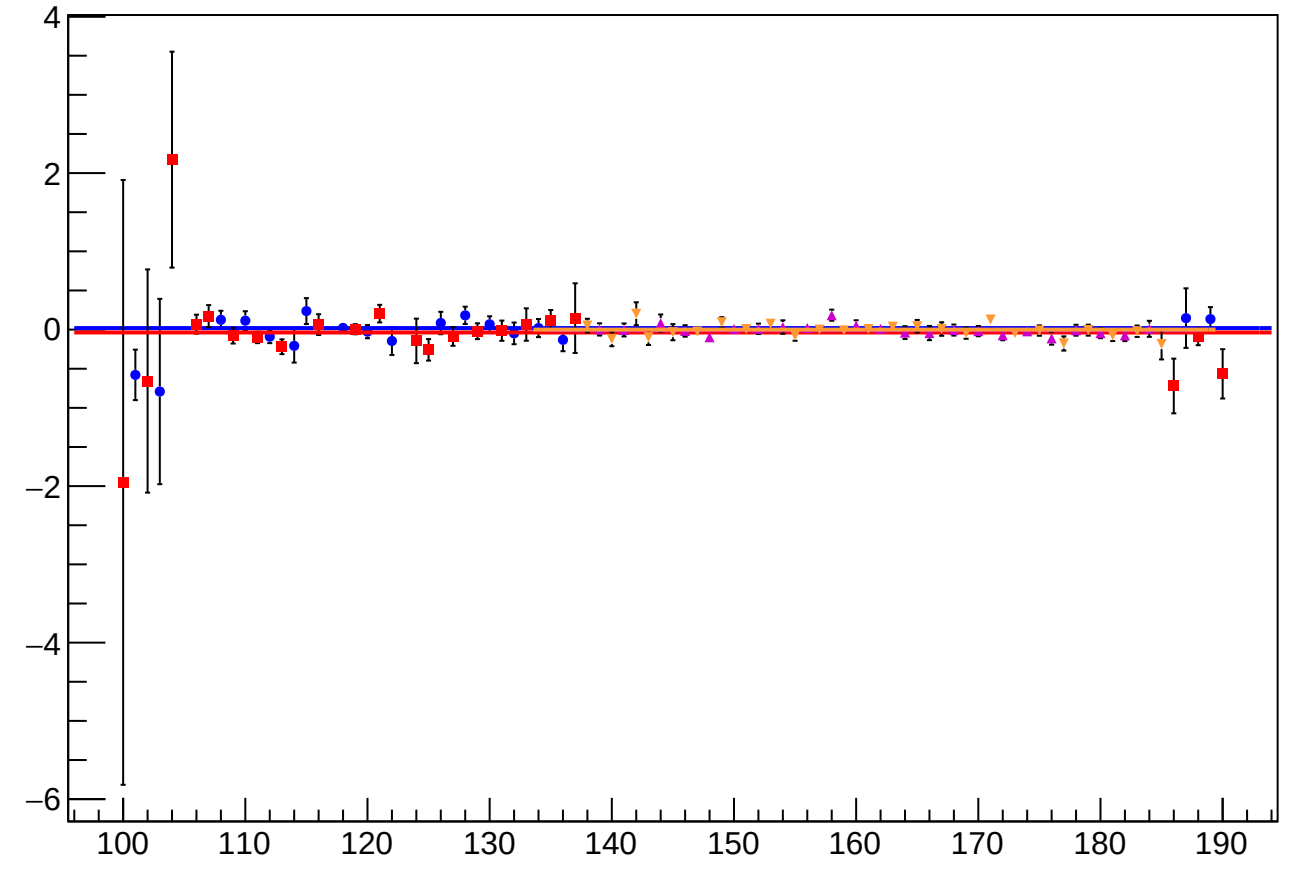
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 2356977.4/39

In: 0.000+/-0.000 χ^2/NDF:5747857.7/40

Out: 0.000+/-0.000 χ^2/NDF:3389728.3/46

All: 0.000+/-0.000 χ^2/NDF: 9388050.0/87



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.037+/-0.027 χ^2/NDF: 27.9/21

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

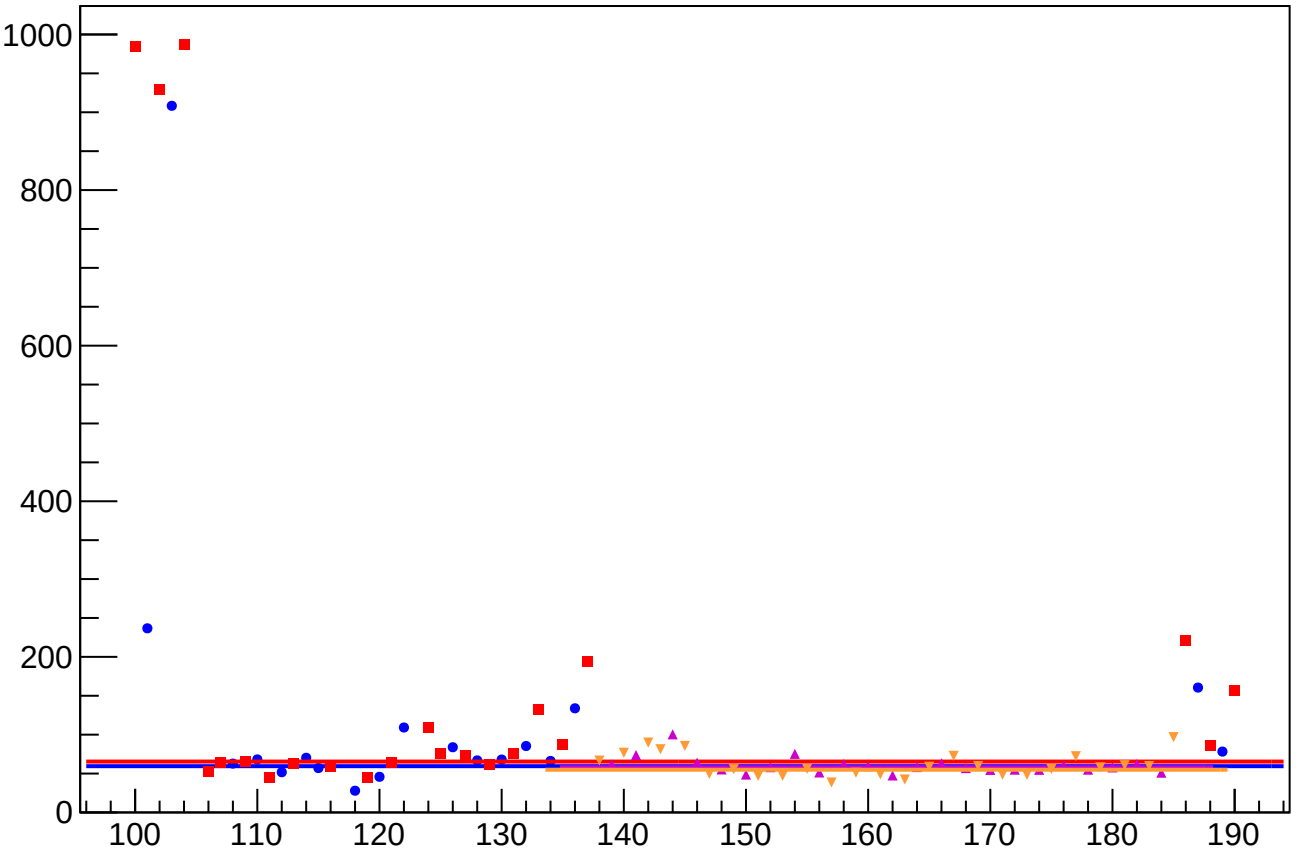
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.009+/-0.019 χ^2/NDF: 45.8/39

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.008+/-0.012 χ^2/NDF:51.9/46

All: -0.005+/-0.009 χ^2/NDF: 84.1/87



Right In: 59.471+/-0.019 χ^2/NDF: 3434664.5/17

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 65.409+/-0.019 χ^2/NDF: 3294689.3/21

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

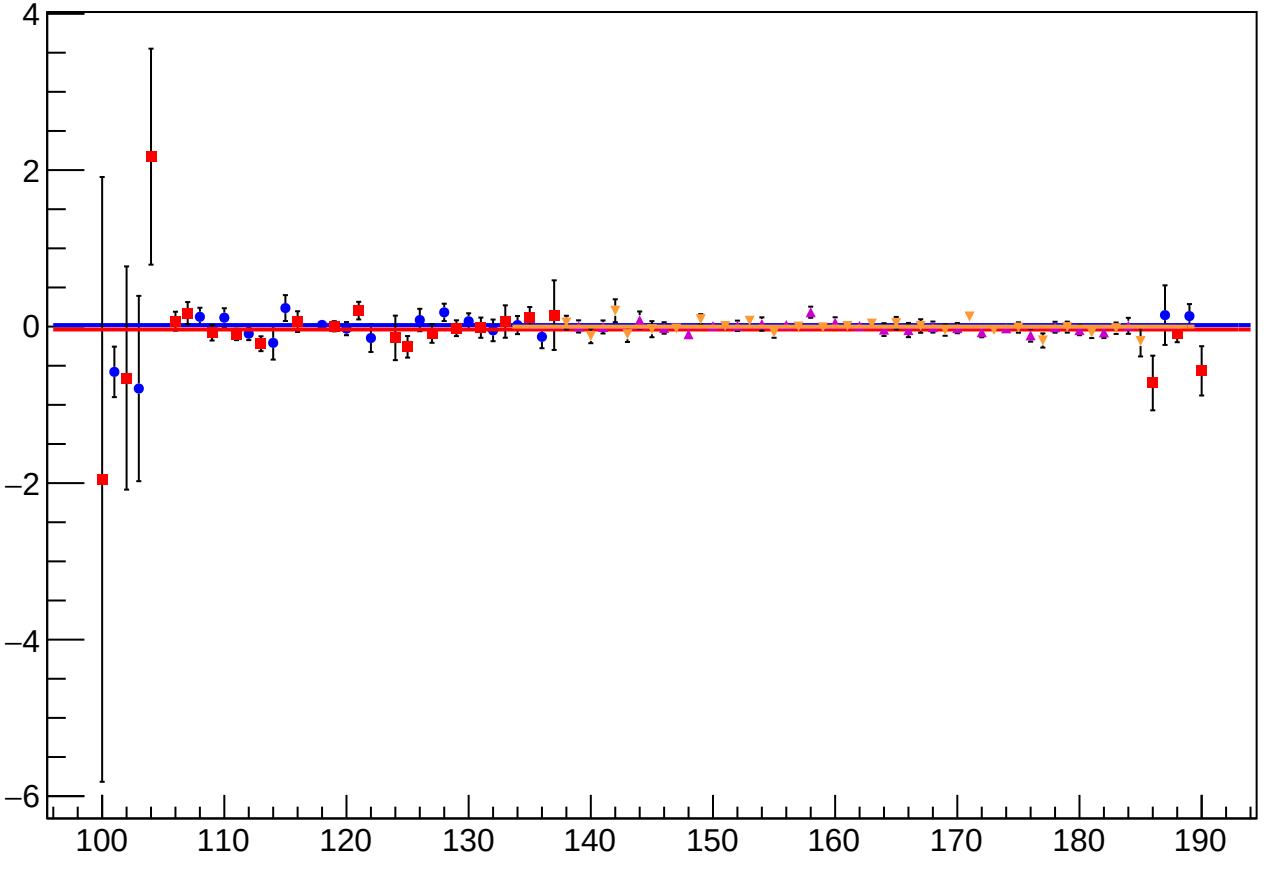
Right: 62.482+/-0.014 χ^2/NDF: 6777290.8/39

In: 58.442+/-0.009 χ^2/NDF:4095781.8/40

Out: 57.184+/-0.009 χ^2/NDF:4830062.8/46

All: 57.786+/-0.006 χ^2/NDF: 8935550.7/87

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.037+/-0.027 χ^2/NDF: 27.9/21

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

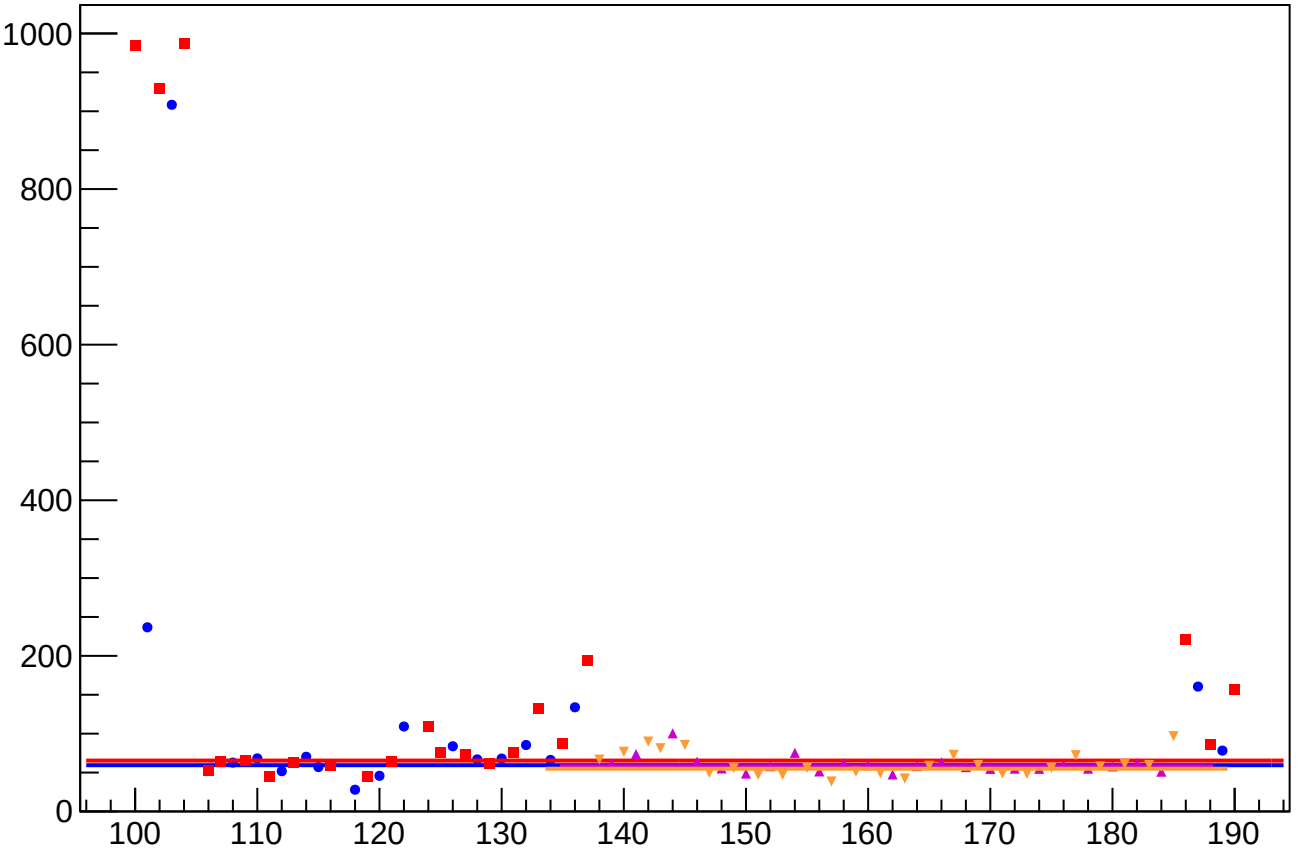
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.009+/-0.019 χ^2/NDF: 45.8/39

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.008+/-0.012 χ^2/NDF:51.9/46

All: -0.005+/-0.009 χ^2/NDF: 84.1/87



Right In: 59.471+/-0.019 χ^2/NDF: 3434664.5/17

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 65.409+/-0.019 χ^2/NDF: 3294689.3/21

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

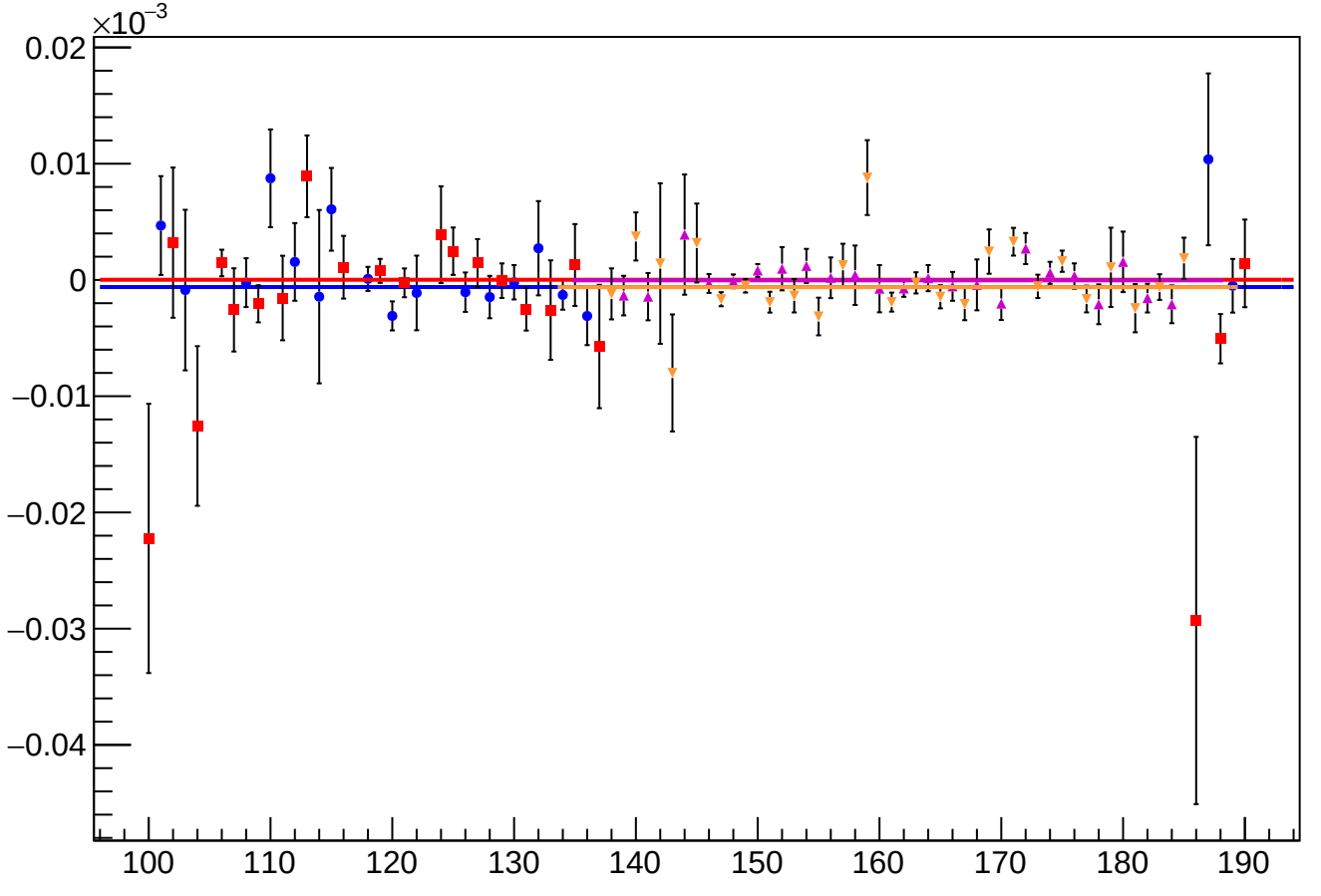
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 62.482+/-0.014 χ^2/NDF: 6777290.8/39

In: 58.442+/-0.009 χ^2/NDF:4095781.8/40

Out: 57.184+/-0.009 χ^2/NDF:4830062.8/46

All: 57.786+/-0.006 χ^2/NDF: 8935550.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/21

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

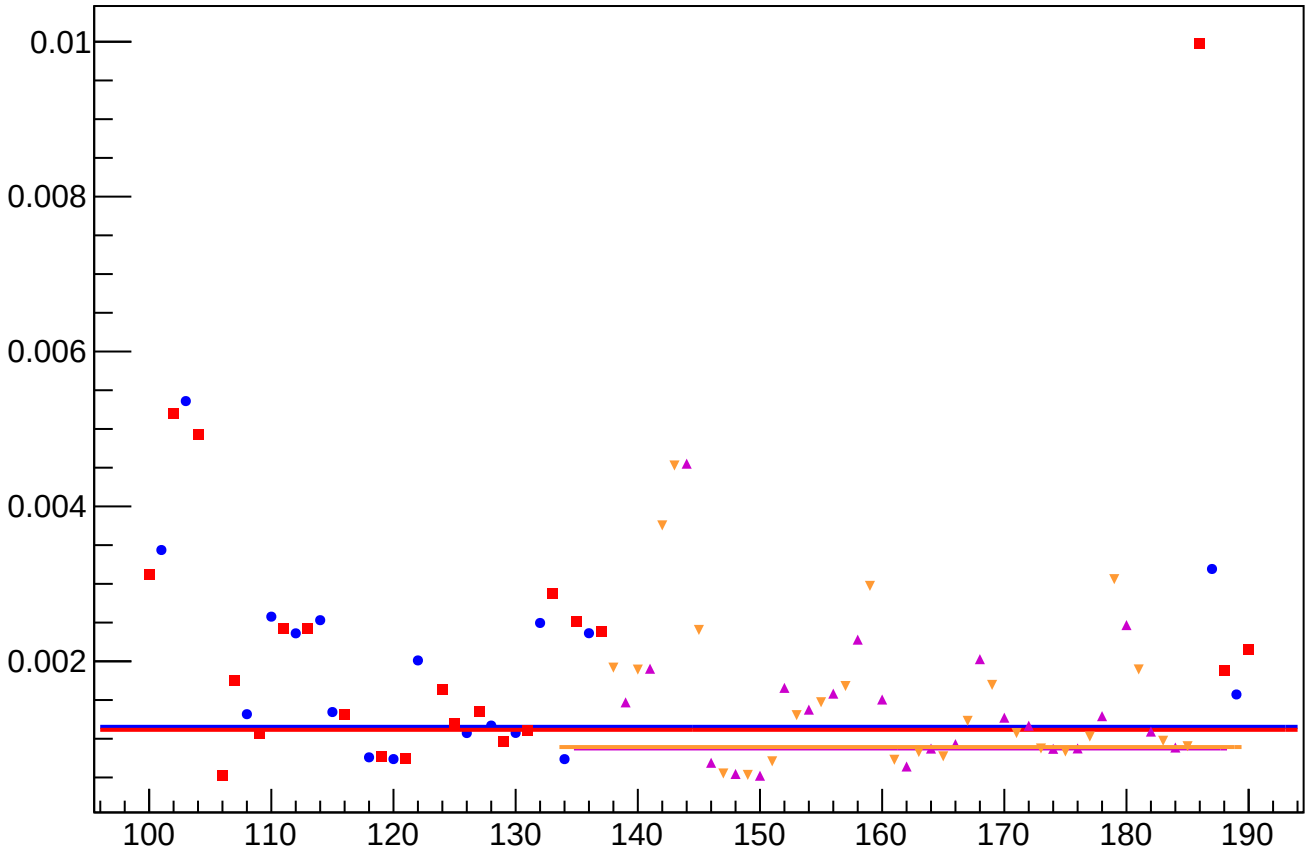
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 54.5/39

In: -0.000+/-0.000 χ^2/NDF:38.8/40

Out: -0.000+/-0.000 χ^2/NDF:88.5/46

All: -0.000+/-0.000 χ^2/NDF: 128.6/87



Right In: 0.001+/-0.000 χ^2/NDF: 3677063.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4923127.7/21

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

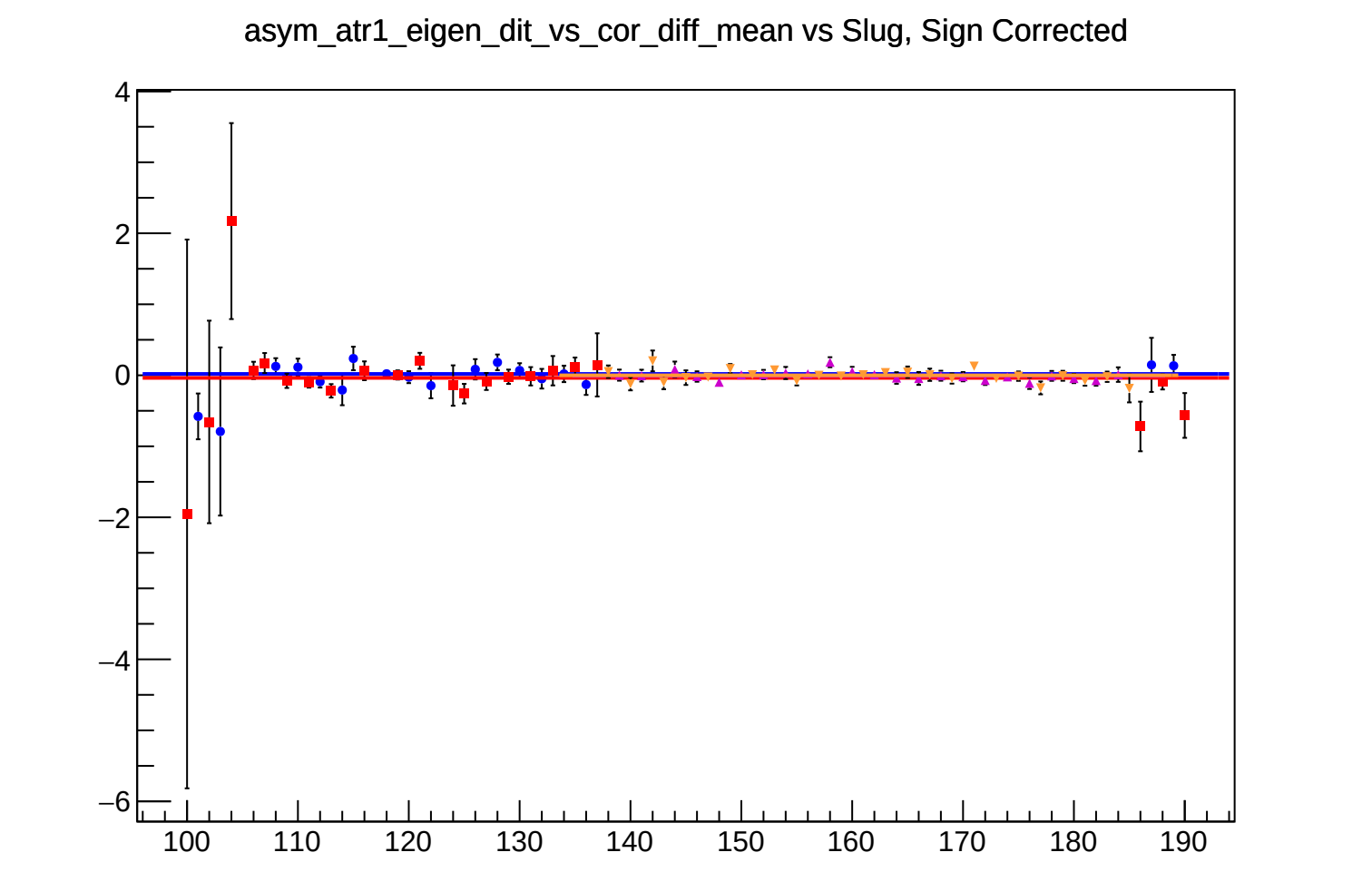
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 8607168.4/39

In: 0.001+/-0.000 χ^2/NDF:11189416.7/40

Out: 0.001+/-0.000 χ^2/NDF:13046709.2/46

All: 0.001+/-0.000 χ^2/NDF: 24238558.9/87



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.037+/-0.027 χ^2/NDF: 27.9/21

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

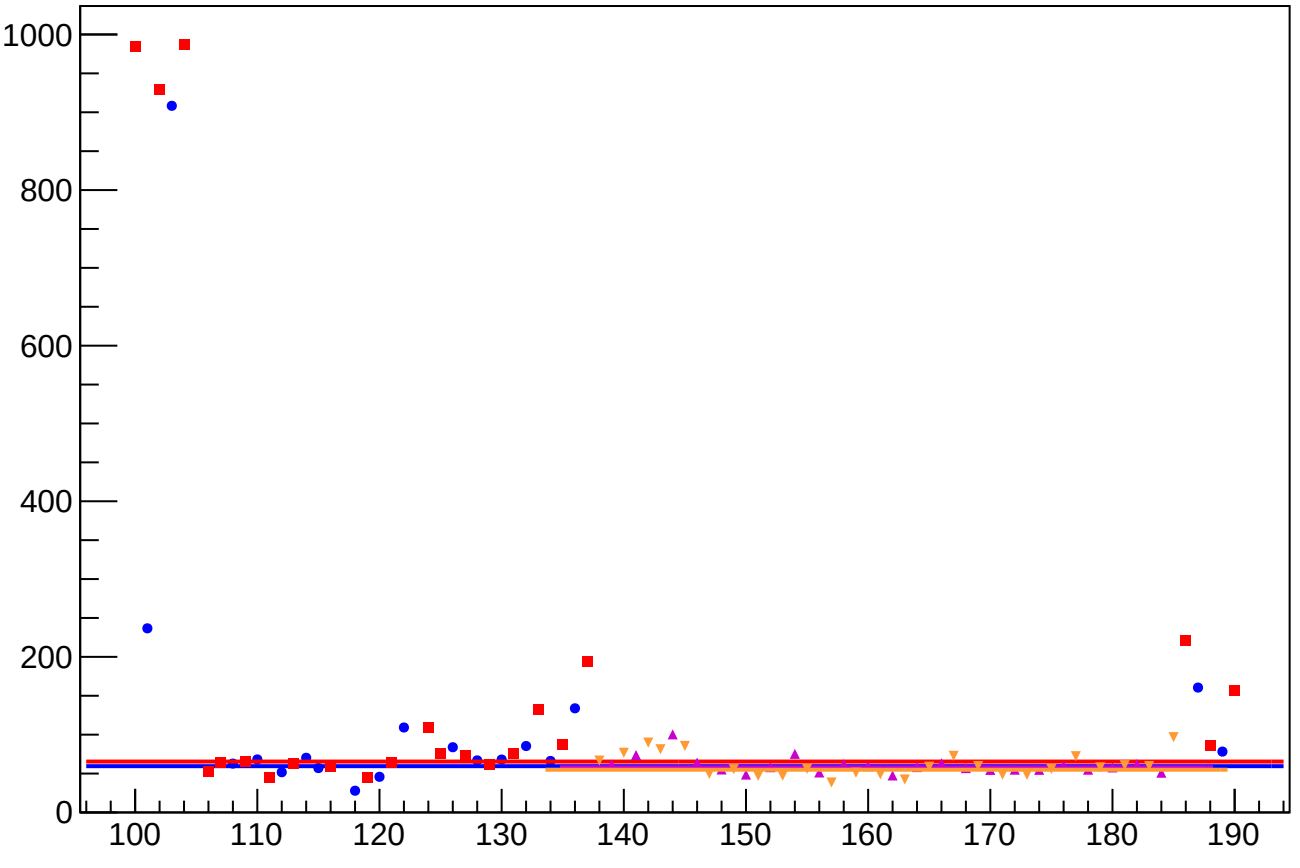
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.009+/-0.019 χ^2/NDF: 45.8/39

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.008+/-0.012 χ^2/NDF:51.9/46

All: -0.005+/-0.009 χ^2/NDF: 84.1/87



Right In: 59.470+/-0.019 χ^2/NDF: 3434750.8/17

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 65.409+/-0.019 χ^2/NDF: 3294692.8/21

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

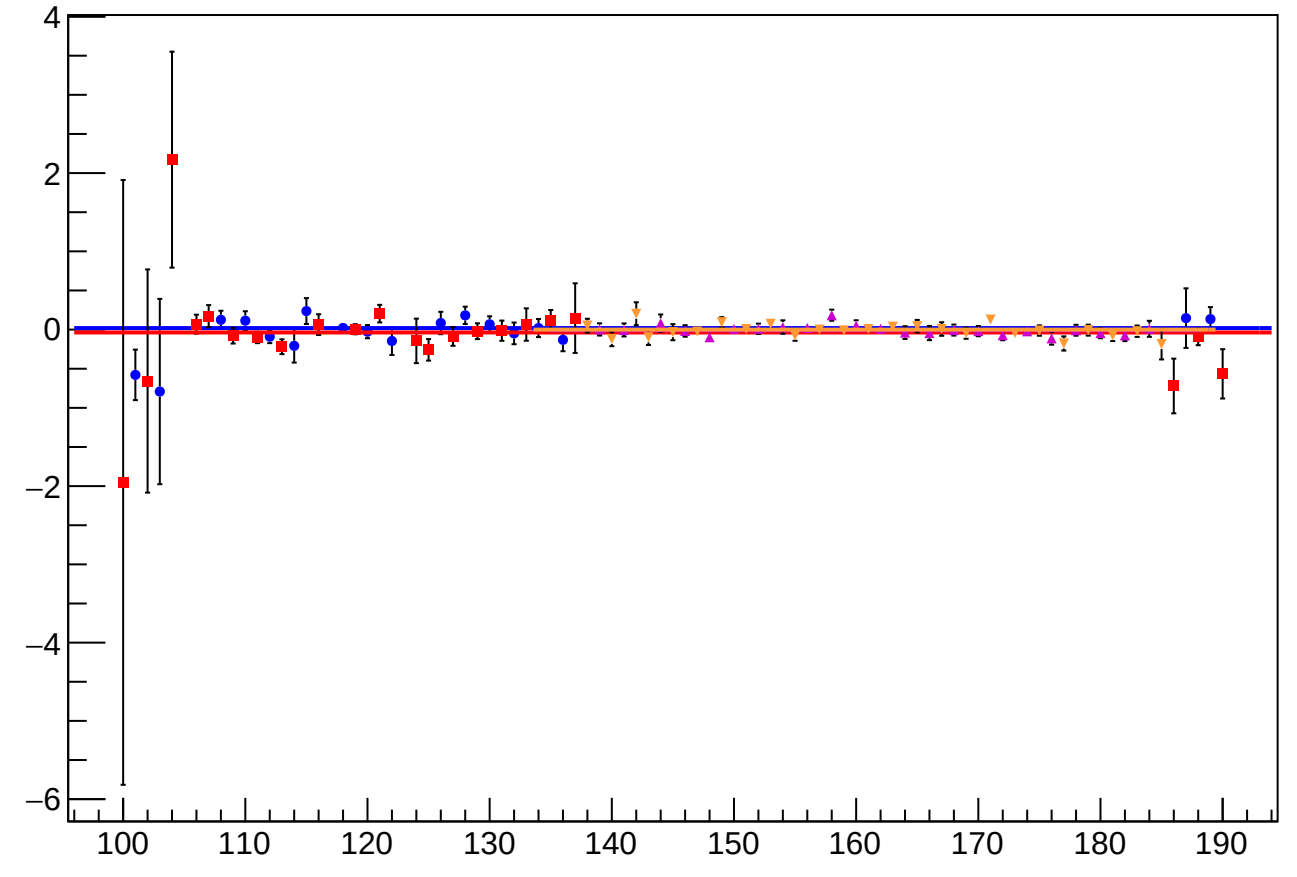
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 62.482+/-0.014 χ^2/NDF: 6777390.7/39

In: 58.442+/-0.009 χ^2/NDF:4095886.7/40

Out: 57.184+/-0.009 χ^2/NDF:4830151.6/46

All: 57.786+/-0.006 χ^2/NDF: 8935748.2/87



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.037+/-0.027 χ^2/NDF: 27.9/21

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

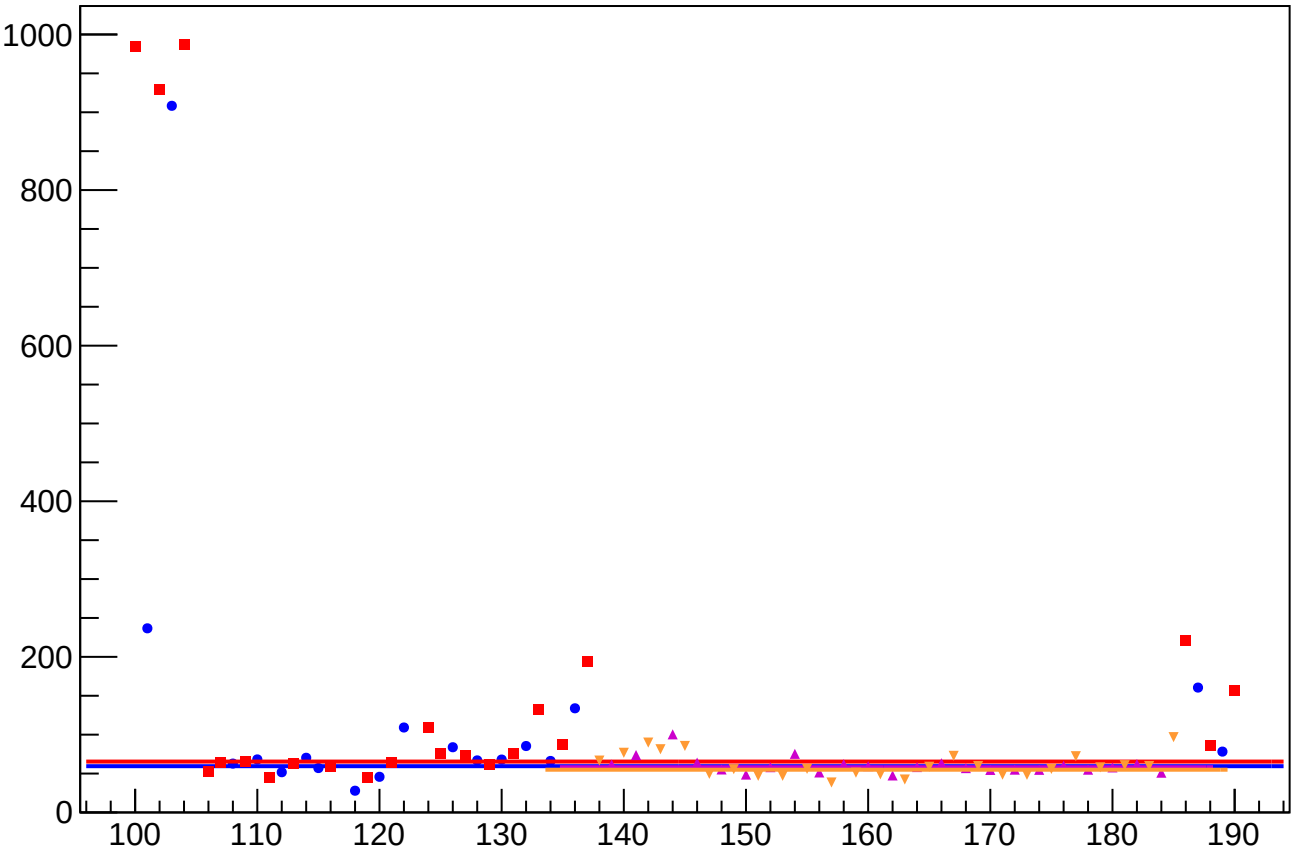
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.009+/-0.019 χ^2/NDF: 45.8/39

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.008+/-0.012 χ^2/NDF:51.9/46

All: -0.005+/-0.009 χ^2/NDF: 84.1/87



Right In: 59.470+/-0.019 χ^2/NDF: 3434750.8/17

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 65.409+/-0.019 χ^2/NDF: 3294692.8/21

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

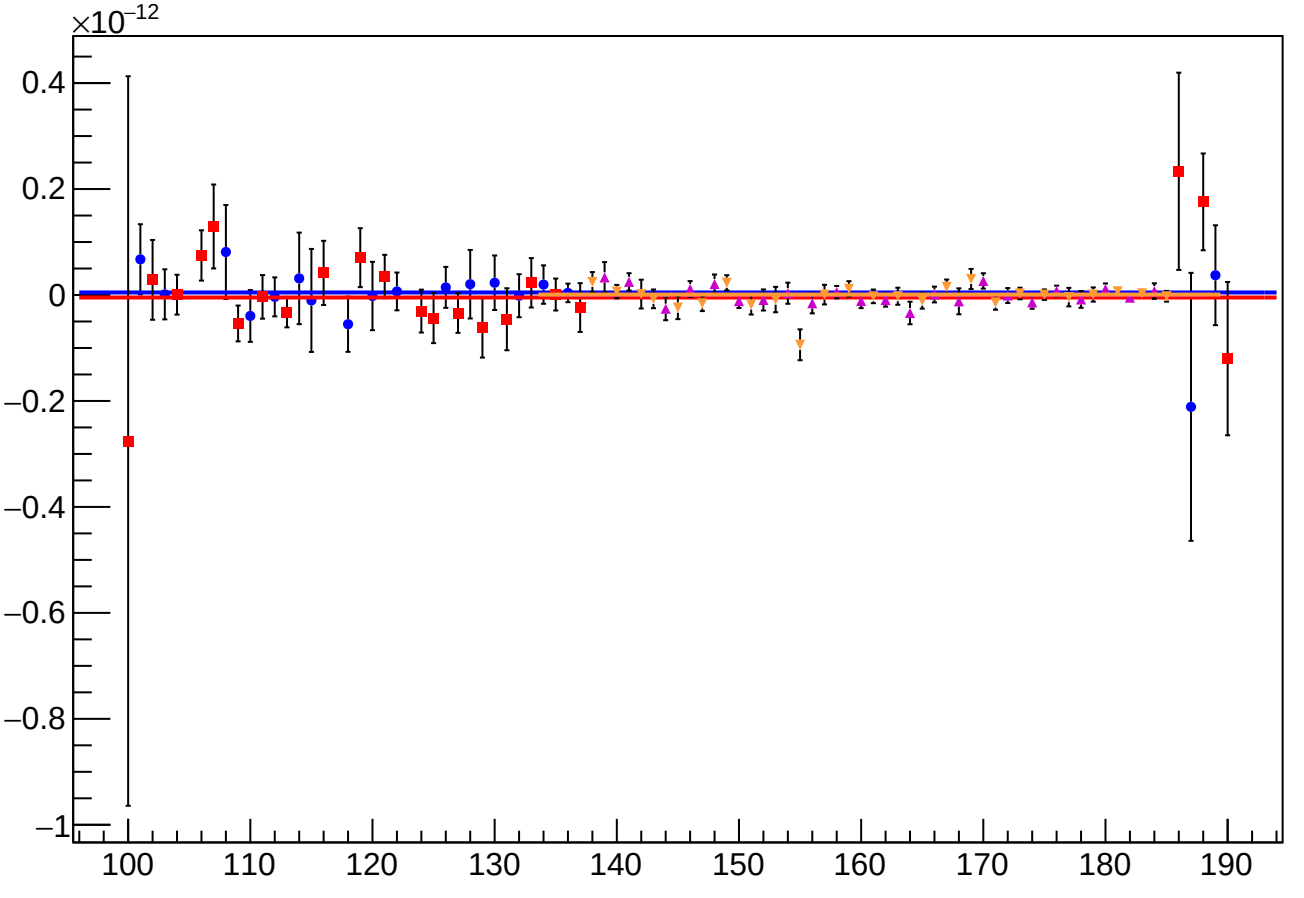
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 62.482+/-0.014 χ^2/NDF: 6777390.7/39

In: 58.442+/-0.009 χ^2/NDF:4095886.7/40

Out: 57.184+/-0.009 χ^2/NDF:4830151.6/46

All: 57.786+/-0.006 χ^2/NDF: 8935748.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 5.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

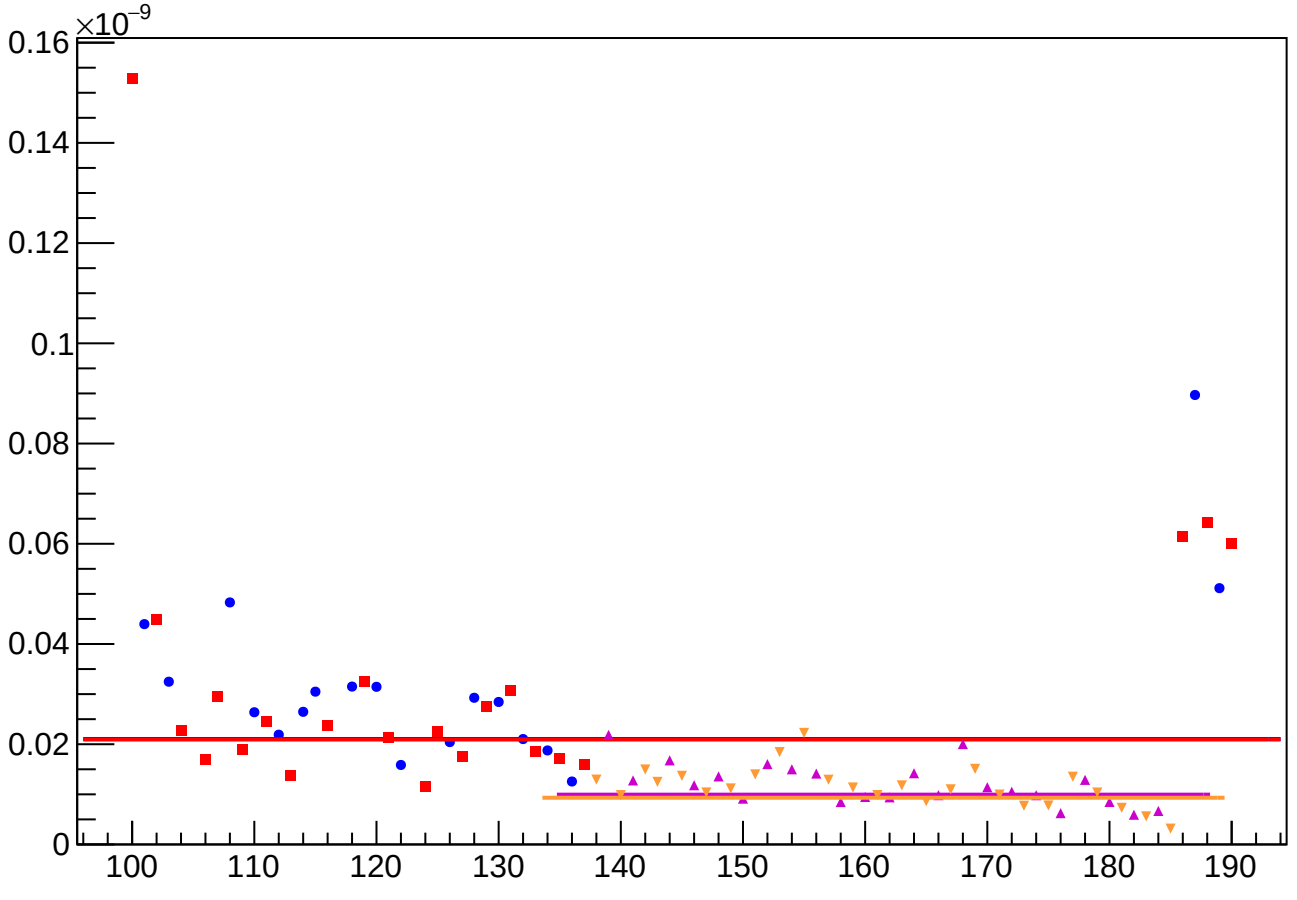
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 28.1/39

In: 0.000+/-0.000 χ^2/NDF:25.7/40

Out: 0.000+/-0.000 χ^2/NDF:48.0/46

All: 0.000+/-0.000 χ^2/NDF: 73.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 1675033.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1518180.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

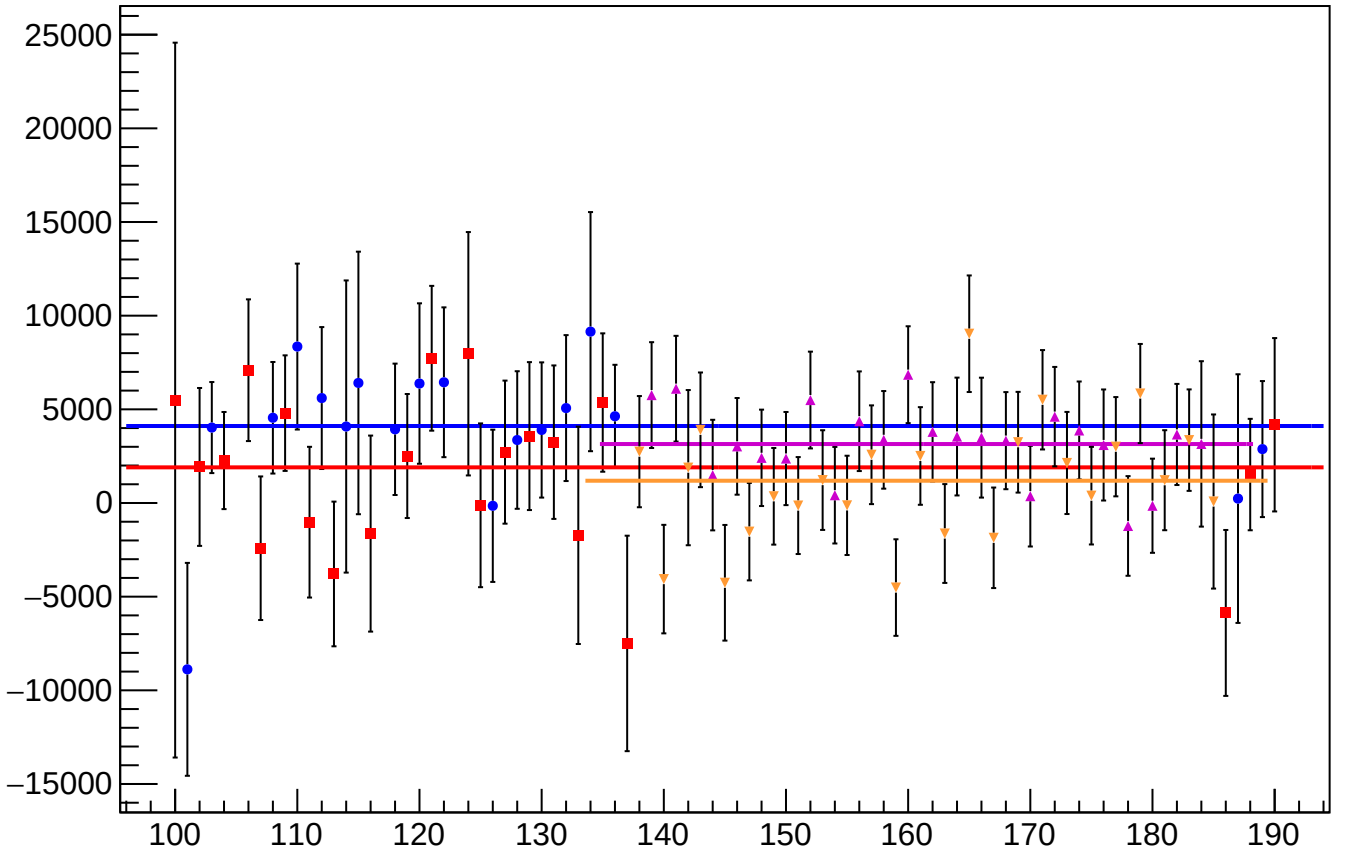
Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3193325.0/39

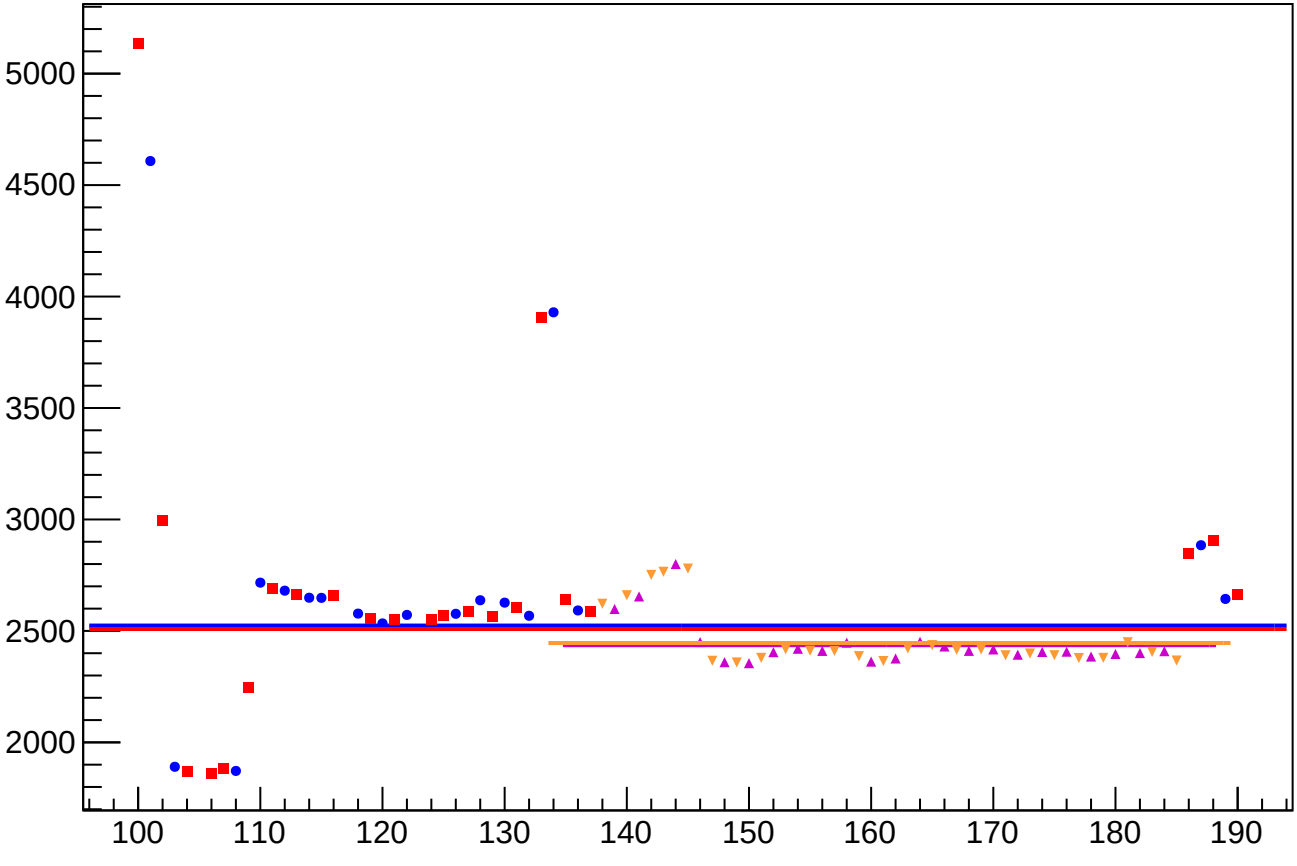
In: 0.000+/-0.000 χ^2/NDF:6444663.2/40

Out: 0.000+/-0.000 χ^2/NDF:7089022.7/46

All: 0.000+/-0.000 χ^2/NDF: 13590610.2/87


reg_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 4109.988+/-912.095 χ²/NDF: 9.4/17
Left Out: 1188.836+/-556.242 χ²/NDF:31.1/24
Right Out: 1902.759+/-849.157 χ²/NDF: 18.2/21
Left In: 3147.419+/-569.221 χ²/NDF:12.7/22
Left: 2145.543+/-397.832 χ²/NDF: 49.9/47
Right: 2927.600+/-621.505 χ²/NDF: 30.7/39
In: 3417.232+/-482.898 χ²/NDF:22.8/40
Out: 1403.195+/-465.300 χ²/NDF:49.9/46
All: 2372.848+/-335.066 χ²/NDF: 81.7/87

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2524.093+/-0.645 χ^2/NDF: 620189.1/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2508.523+/-0.600 χ^2/NDF: 494457.7/21

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

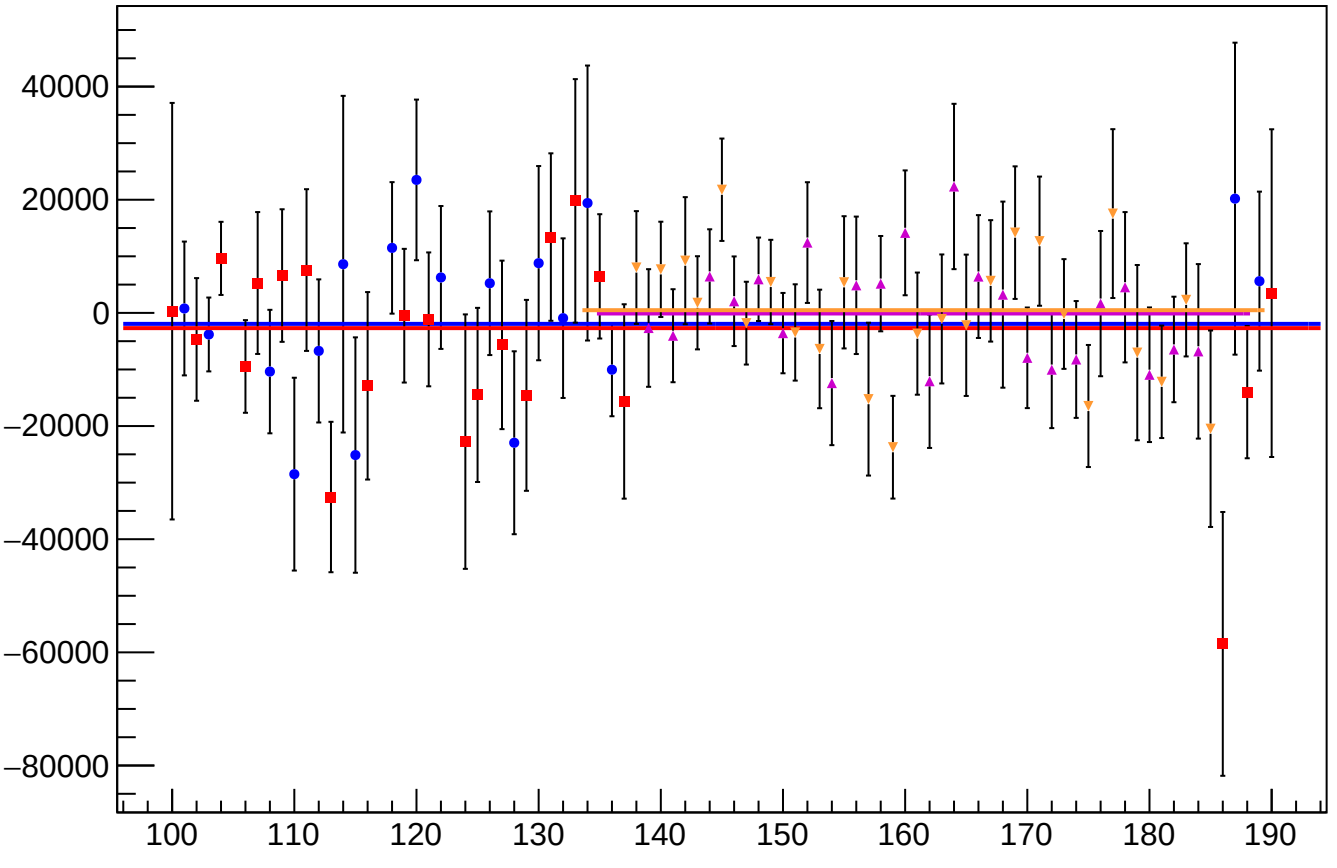
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2515.752+/-0.439 χ^2/NDF: 1114959.0/39

In: 2460.657+/-0.341 χ^2/NDF:692821.1/40

Out: 2464.651+/-0.329 χ^2/NDF:592102.1/46

All: 2462.728+/-0.237 χ^2/NDF: 1284994.1/87



Right In: -1939.764+/-3001.117 χ^2/NDF: 14.7/17

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2693.380+/-2739.705 χ^2/NDF: 23.6/21

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

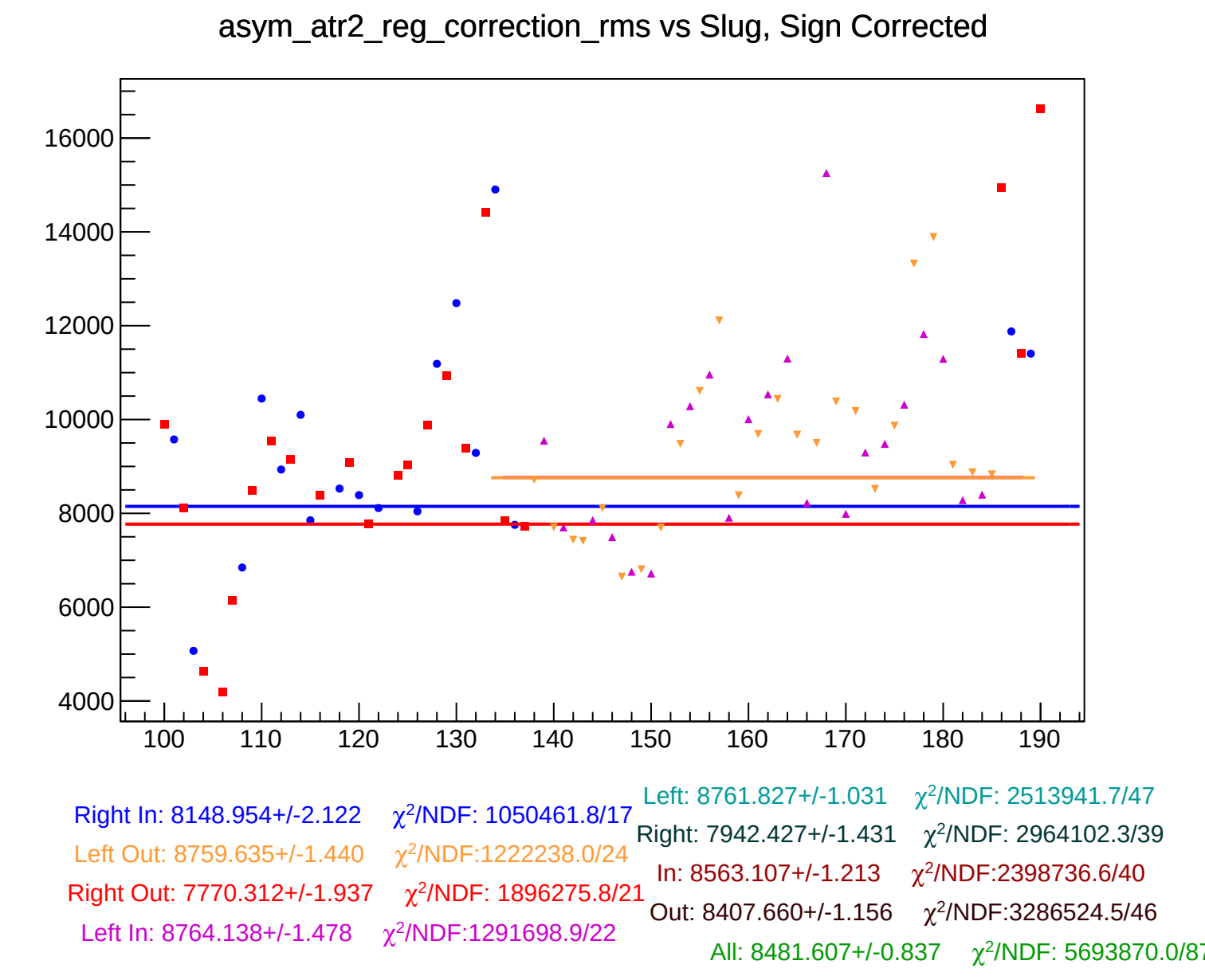
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2350.818+/-2023.382 χ^2/NDF: 38.3/39

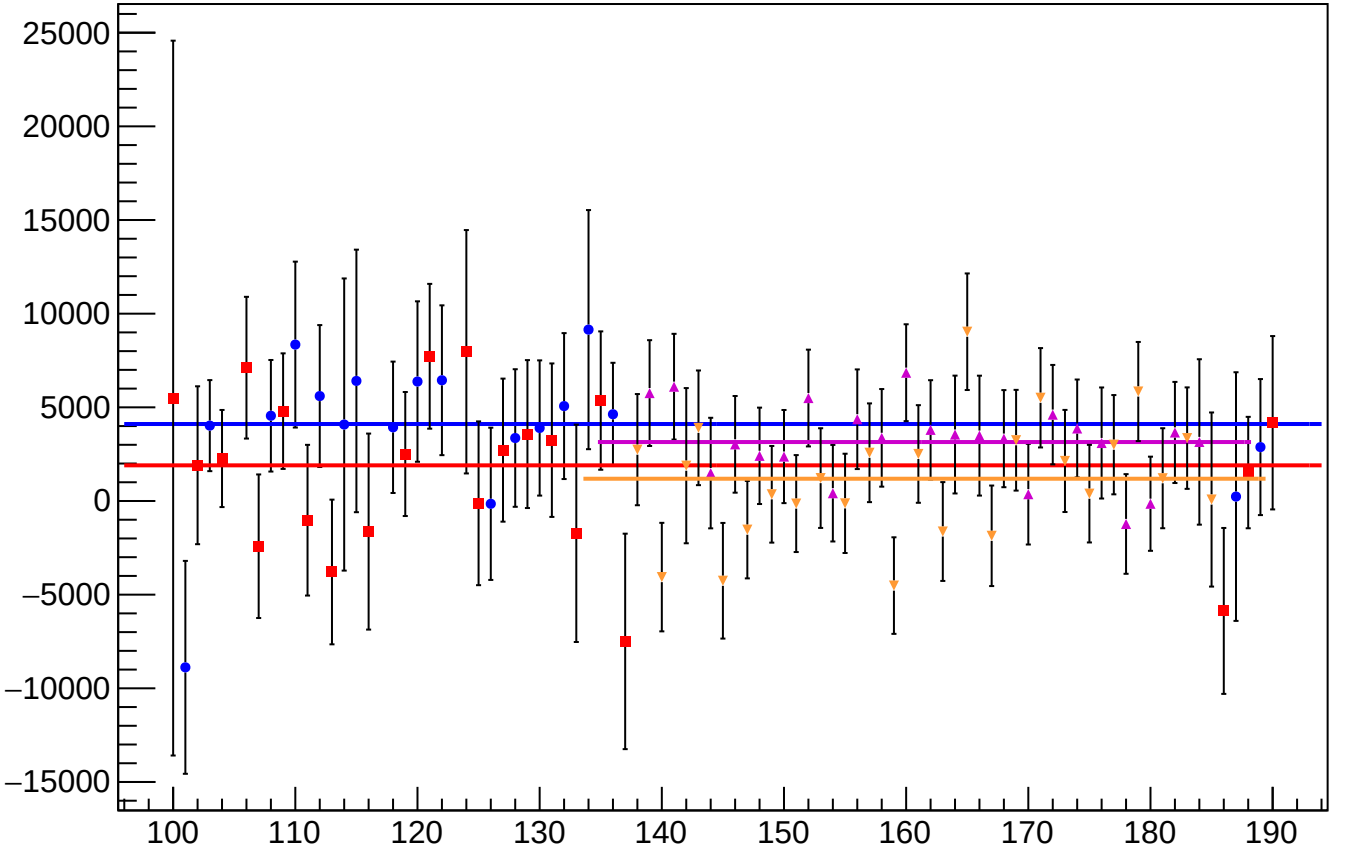
In: -704.535+/-1715.581 χ^2/NDF:29.4/40

Out: -650.816+/-1634.145 χ^2/NDF:51.8/46

All: -676.370+/-1183.257 χ^2/NDF: 81.2/87


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 8148.954+/-2.122 χ²/NDF: 1050461.8/17
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7770.312+/-1.937 χ²/NDF: 1896275.8/21
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 7942.427+/-1.431 χ²/NDF: 2964102.3/39
In: 8563.107+/-1.213 χ²/NDF:2398736.6/40
Out: 8407.660+/-1.156 χ²/NDF:3286524.5/46
All: 8481.607+/-0.837 χ²/NDF: 5693870.0/87

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4109.575+/-912.096 χ^2/NDF: 9.4/17

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1903.274+/-849.163 χ^2/NDF: 18.3/21

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

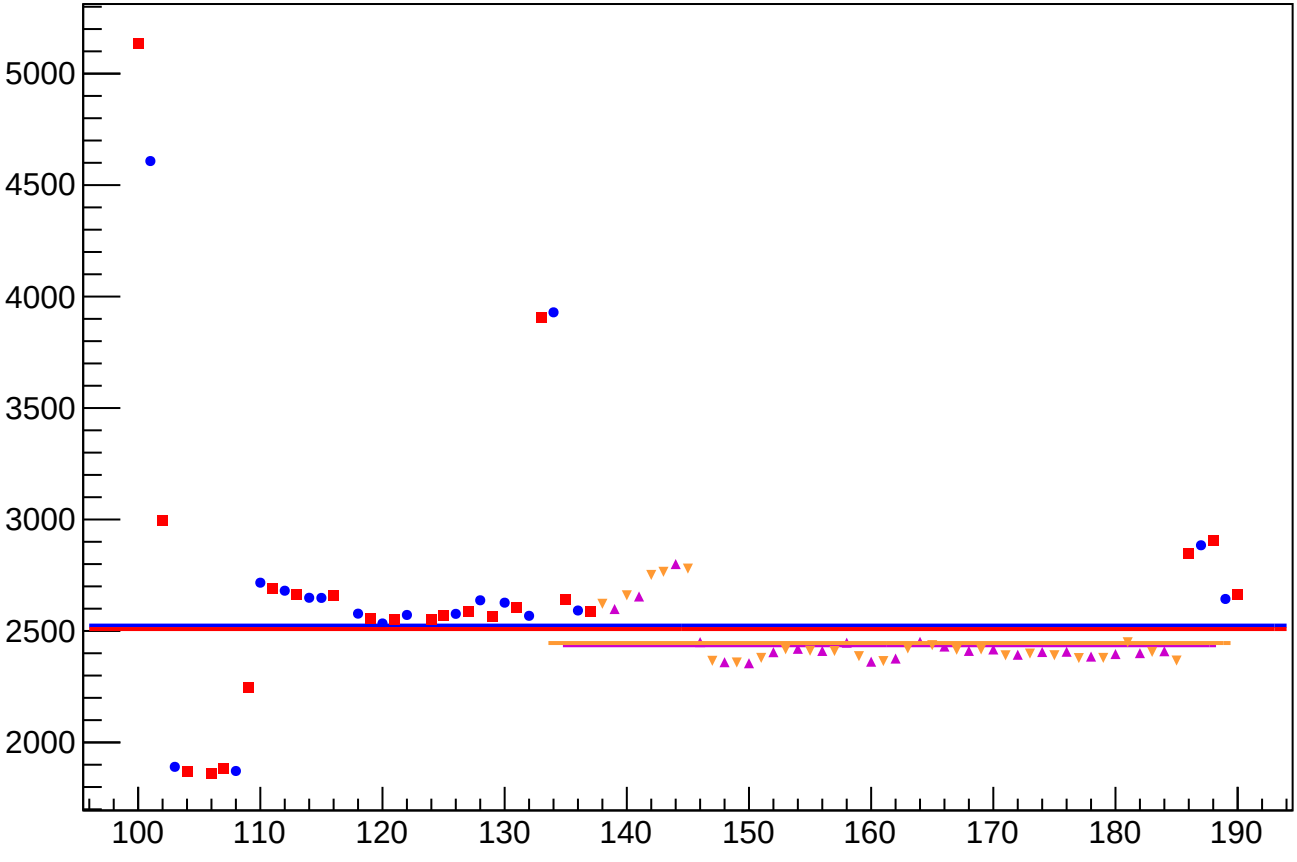
Right: 2927.691+/-621.507 χ^2/NDF: 30.8/39

In: 3416.974+/-482.898 χ^2/NDF:22.8/40

Out: 1403.229+/-465.301 χ^2/NDF:49.9/46

All: 2372.743+/-335.066 χ^2/NDF: 81.7/87

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2524.093+/-0.645 χ^2/NDF: 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2508.545+/-0.600 χ^2/NDF: 494396.4/21

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

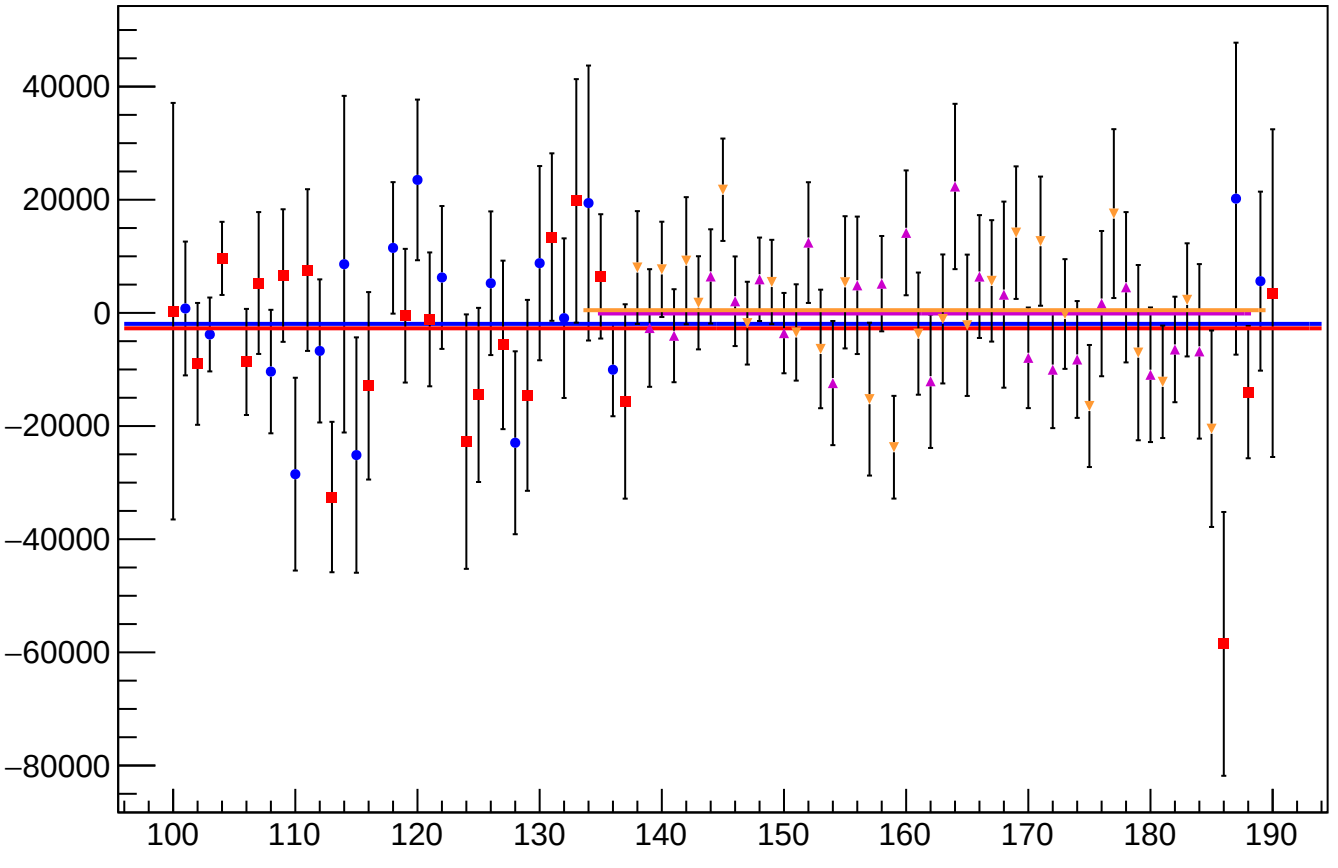
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2515.764+/-0.439 χ^2/NDF: 1114894.6/39

In: 2460.657+/-0.341 χ^2/NDF:692819.1/40

Out: 2464.657+/-0.329 χ^2/NDF:592045.9/46

All: 2462.731+/-0.237 χ^2/NDF: 1284936.2/87



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2727.643+/-2775.719 χ^2/NDF: 23.6/21

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

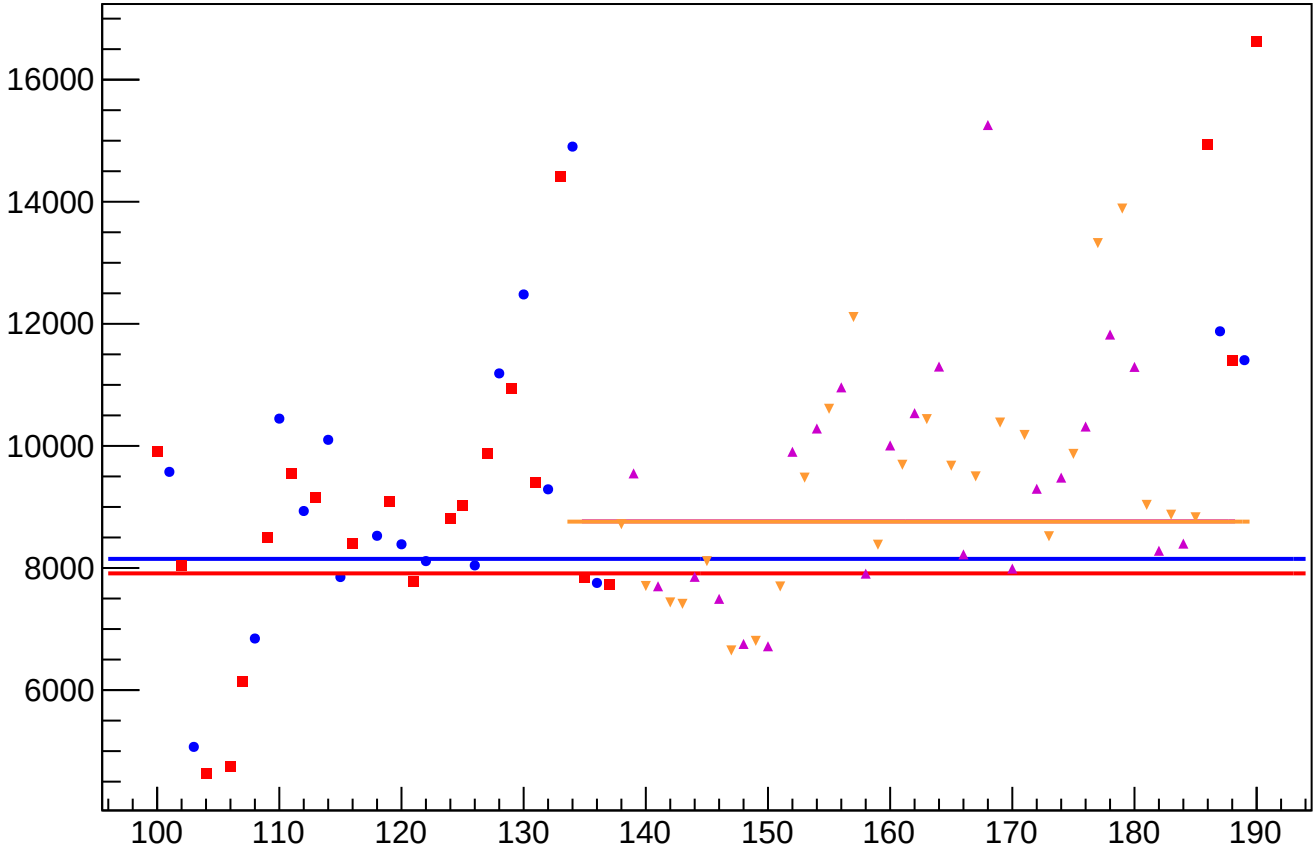
Right: -2364.295+/-2037.786 χ^2/NDF: 38.3/39

In: -704.479+/-1715.596 χ^2/NDF:29.4/40

Out: -643.885+/-1641.690 χ^2/NDF:51.8/46

All: -672.849+/-1186.117 χ^2/NDF: 81.3/87

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 8149.271+/-2.122 χ^2/NDF: 1050140.6/17

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7911.778+/-1.963 χ^2/NDF: 1716481.3/21

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

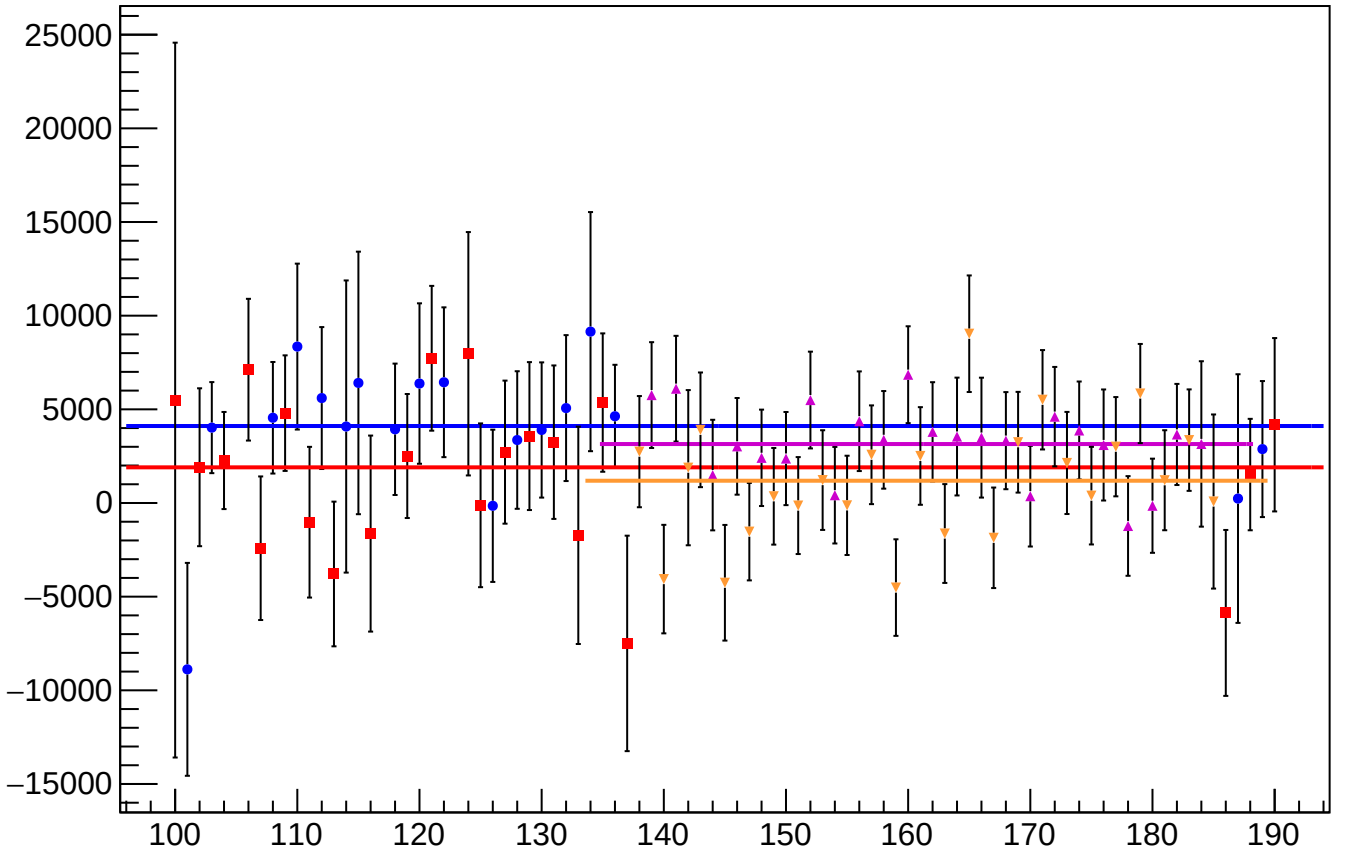
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8021.269+/-1.441 χ^2/NDF: 2773372.1/39

In: 8563.215+/-1.213 χ^2/NDF:2398355.3/40

Out: 8463.040+/-1.161 χ^2/NDF:3060056.5/46

All: 8510.924+/-0.839 χ^2/NDF: 5461971.3/87


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
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−5000
−10000
−15000
100
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120
130
140
150
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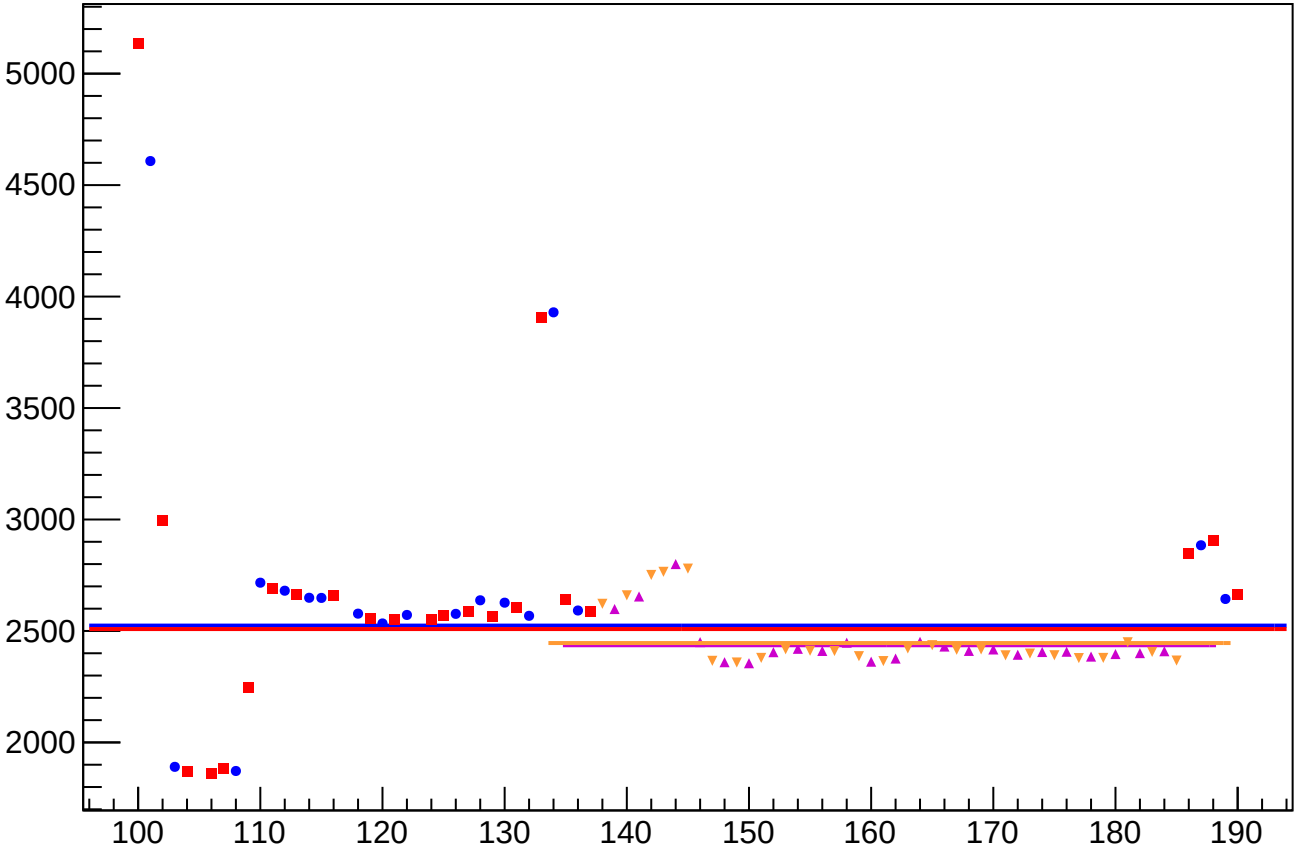
170
180
190
Right In: 4109.575+/-912.096 χ²/NDF: 9.4/17
Left Out: 1188.666+/-556.242 χ²/NDF:31.1/24
Right Out: 1903.274+/-849.163 χ²/NDF: 18.3/21
Left In: 3147.222+/-569.221 χ²/NDF:12.7/22
Left: 2145.360+/-397.832 χ²/NDF: 49.9/47
Right: 2927.691+/-621.507 χ²/NDF: 30.8/39
In: 3416.974+/-482.898 χ²/NDF:22.8/40
Out: 1403.229+/-465.301 χ²/NDF:49.9/46
All: 2372.743+/-335.066 χ²/NDF: 81.7/87

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2524.093+/-0.645 χ^2/NDF: 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2508.545+/-0.600 χ^2/NDF: 494396.4/21

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

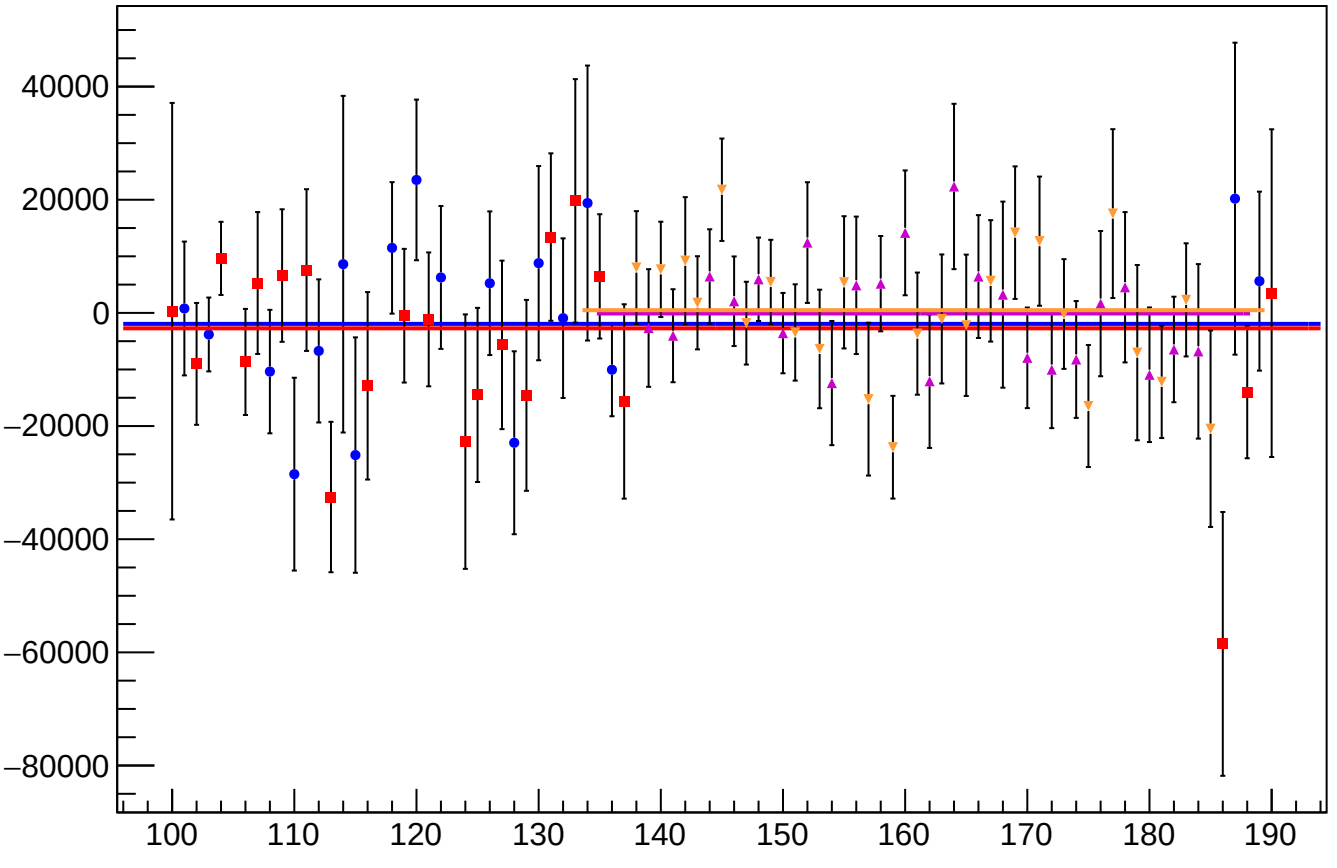
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2515.764+/-0.439 χ^2/NDF: 1114894.6/39

In: 2460.657+/-0.341 χ^2/NDF:692819.1/40

Out: 2464.657+/-0.329 χ^2/NDF:592045.9/46

All: 2462.731+/-0.237 χ^2/NDF: 1284936.2/87



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2727.643+/-2775.719 χ^2/NDF: 23.6/21

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

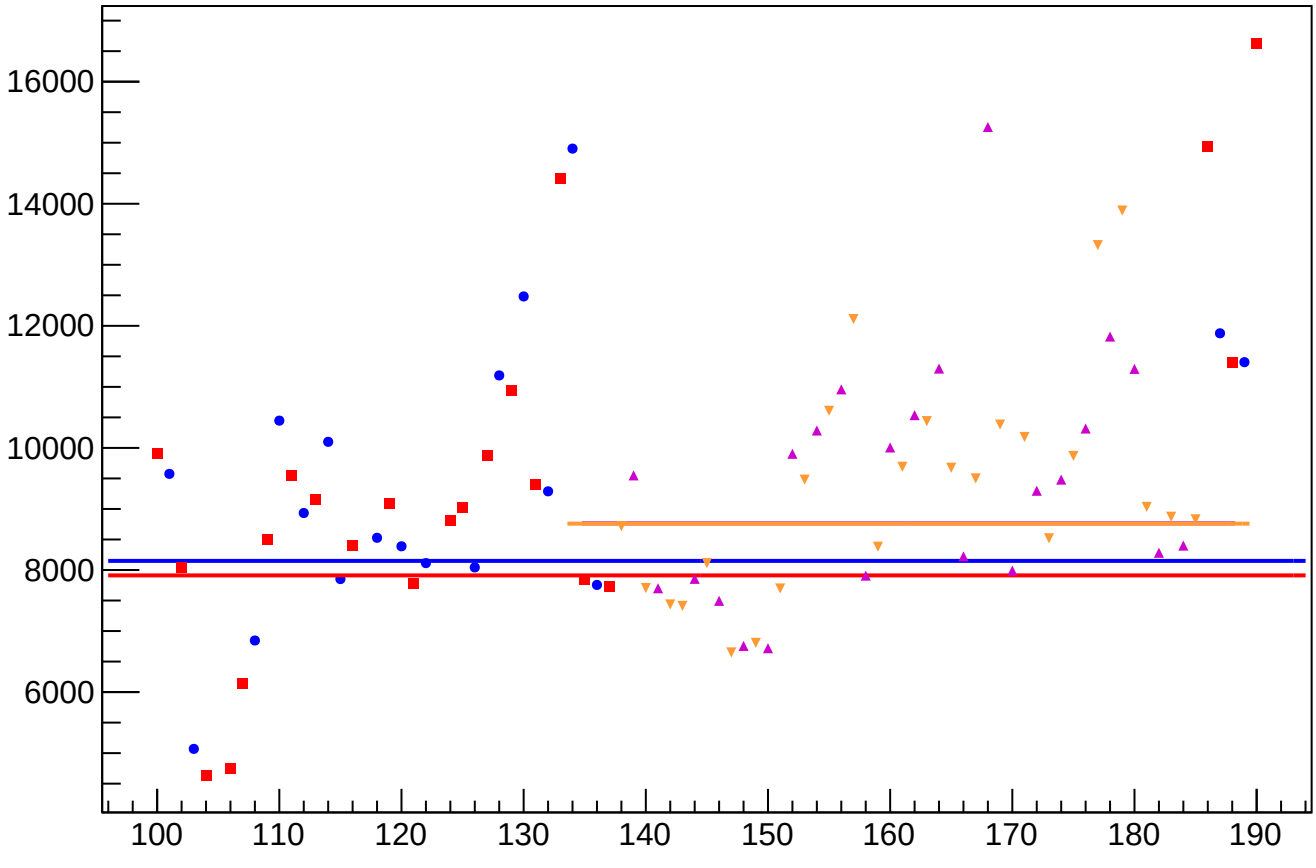
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2364.295+/-2037.786 χ^2/NDF: 38.3/39

In: -704.479+/-1715.596 χ^2/NDF:29.4/40

Out: -643.885+/-1641.690 χ^2/NDF:51.8/46

All: -672.849+/-1186.117 χ^2/NDF: 81.3/87



Right In: 8149.271+/-2.122 χ^2/NDF: 1050140.6/17

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7911.778+/-1.963 χ^2/NDF: 1716481.3/21

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

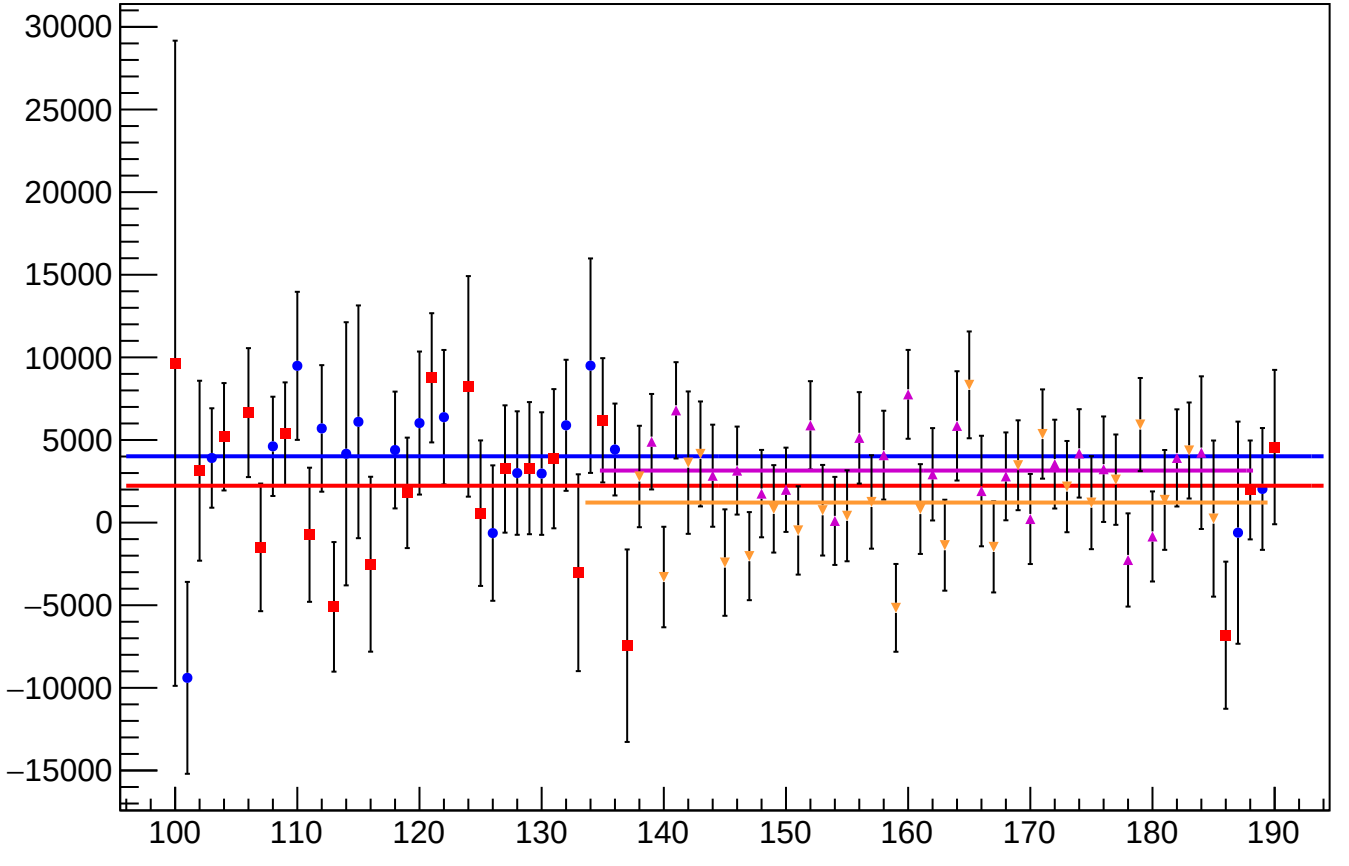
Right: 8021.269+/-1.441 χ^2/NDF: 2773372.1/39

In: 8563.215+/-1.213 χ^2/NDF:2398355.3/40

Out: 8463.040+/-1.161 χ^2/NDF:3060056.5/46

All: 8510.924+/-0.839 χ^2/NDF: 5461971.3/87

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4013.875+/-947.070 χ^2/NDF: 10.9/17

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 2232.233+/-884.062 χ^2/NDF: 22.2/21

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

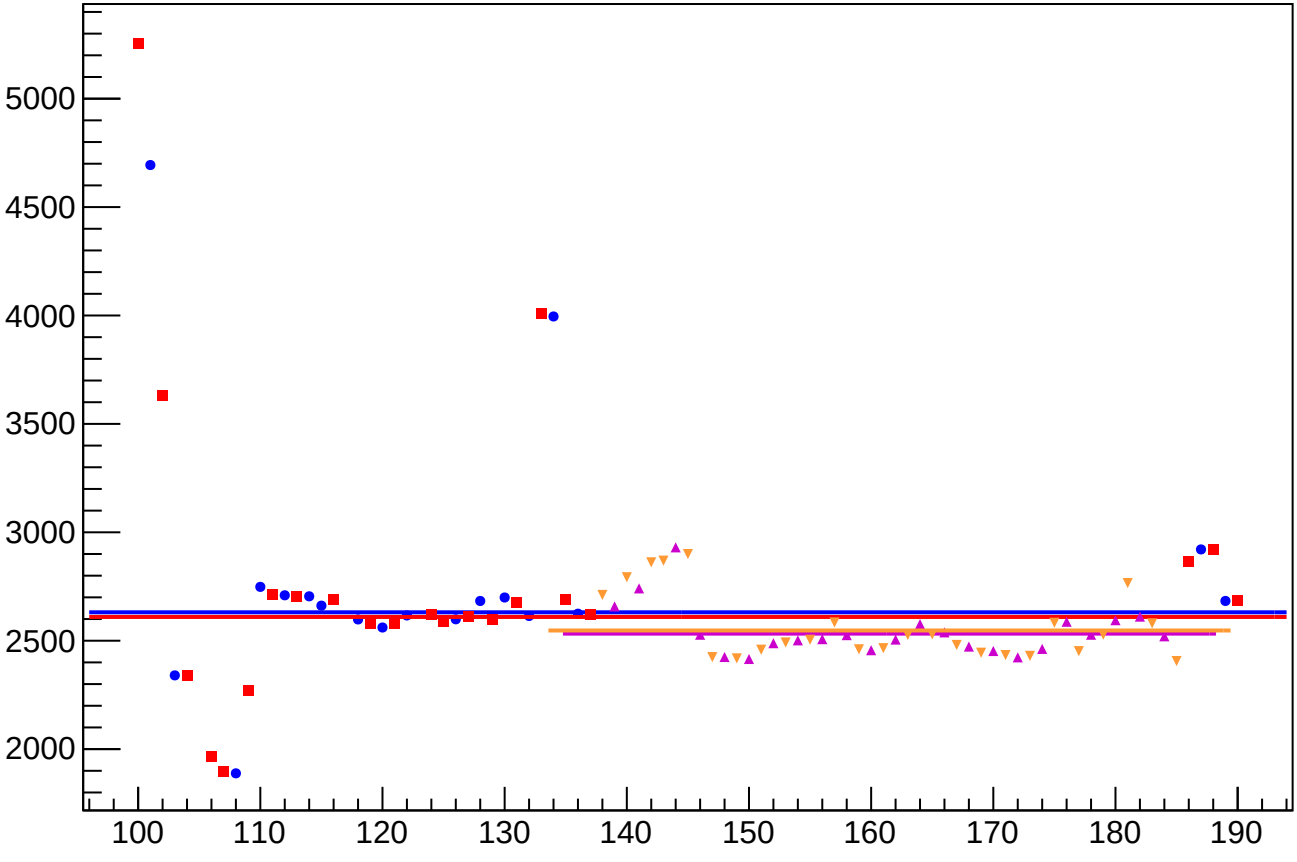
Right: 3061.821+/-646.254 χ^2/NDF: 34.9/39

In: 3392.969+/-502.067 χ^2/NDF:27.9/40

Out: 1520.076+/-484.770 χ^2/NDF:49.9/46

All: 2423.706+/-348.739 χ^2/NDF: 85.0/87

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.045+/-0.670 χ^2/NDF: 490248.0/17

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2609.607+/-0.625 χ^2/NDF: 412192.4/21

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

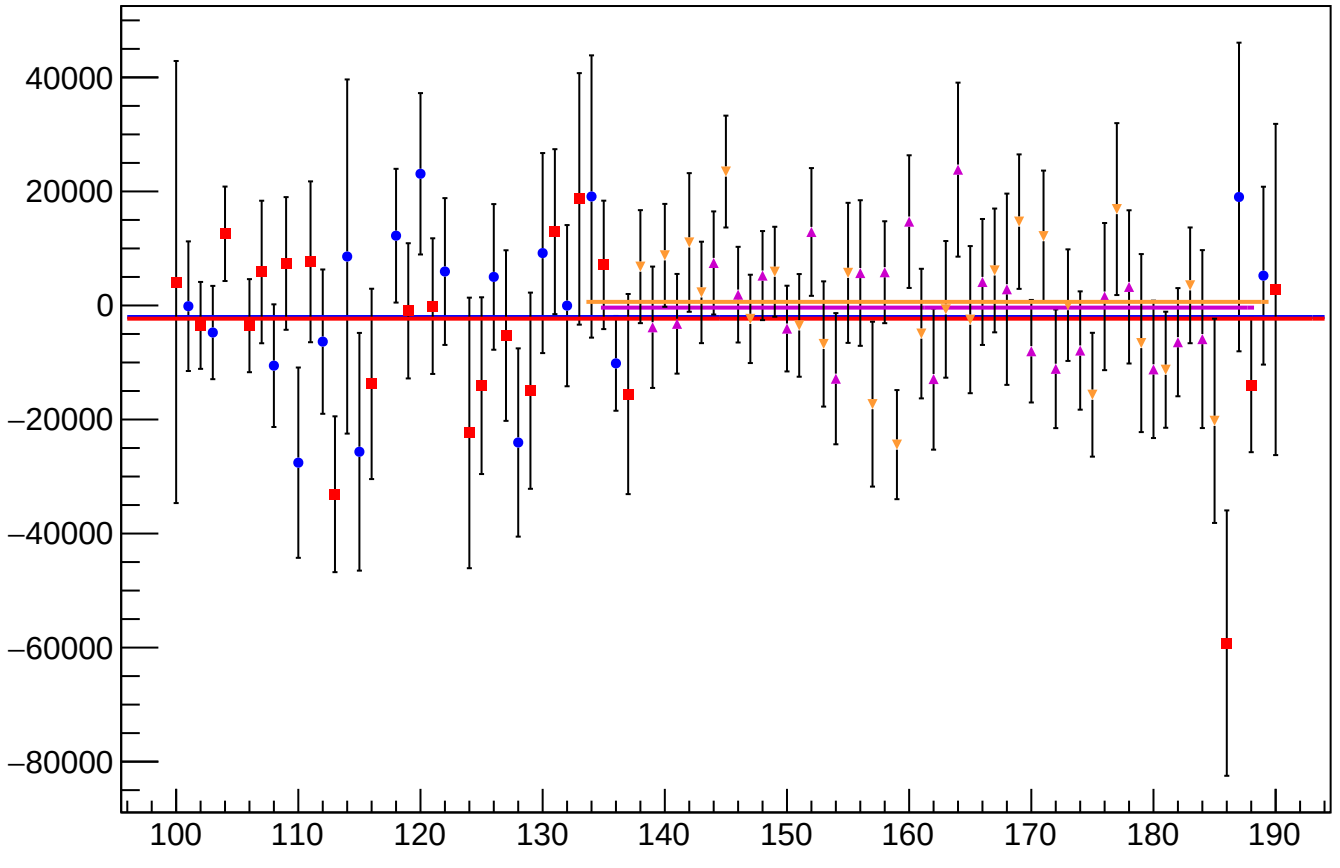
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2619.584+/-0.457 χ^2/NDF: 902988.3/39

In: 2560.390+/-0.355 χ^2/NDF:574171.7/40

Out: 2565.946+/-0.343 χ^2/NDF:536475.5/46

All: 2563.266+/-0.247 χ^2/NDF: 1110774.0/87



Right In: -2027.927+/-3124.494 χ^2/NDF: 14.7/17

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2312.859+/-2758.684 χ^2/NDF: 22.7/21

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

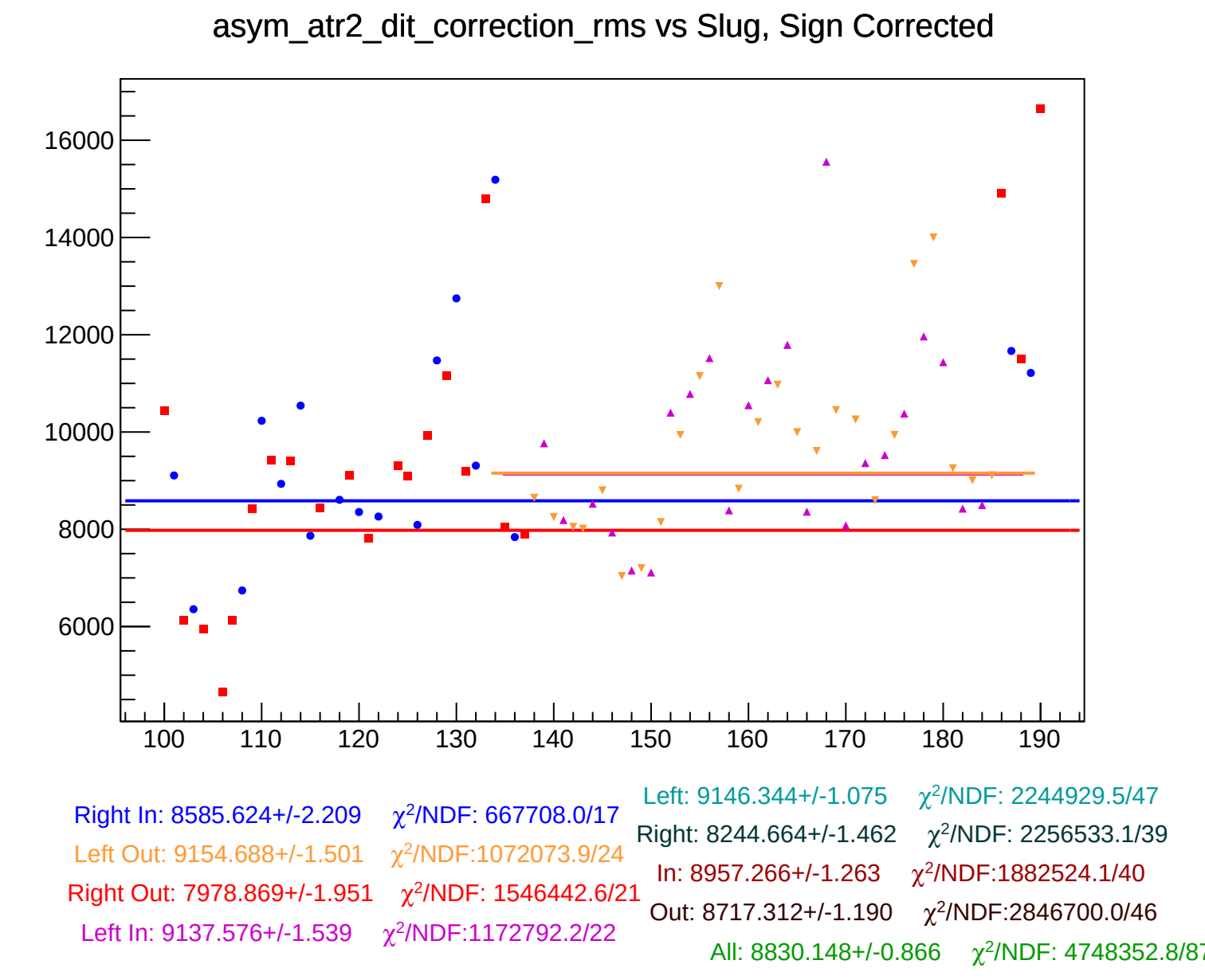
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

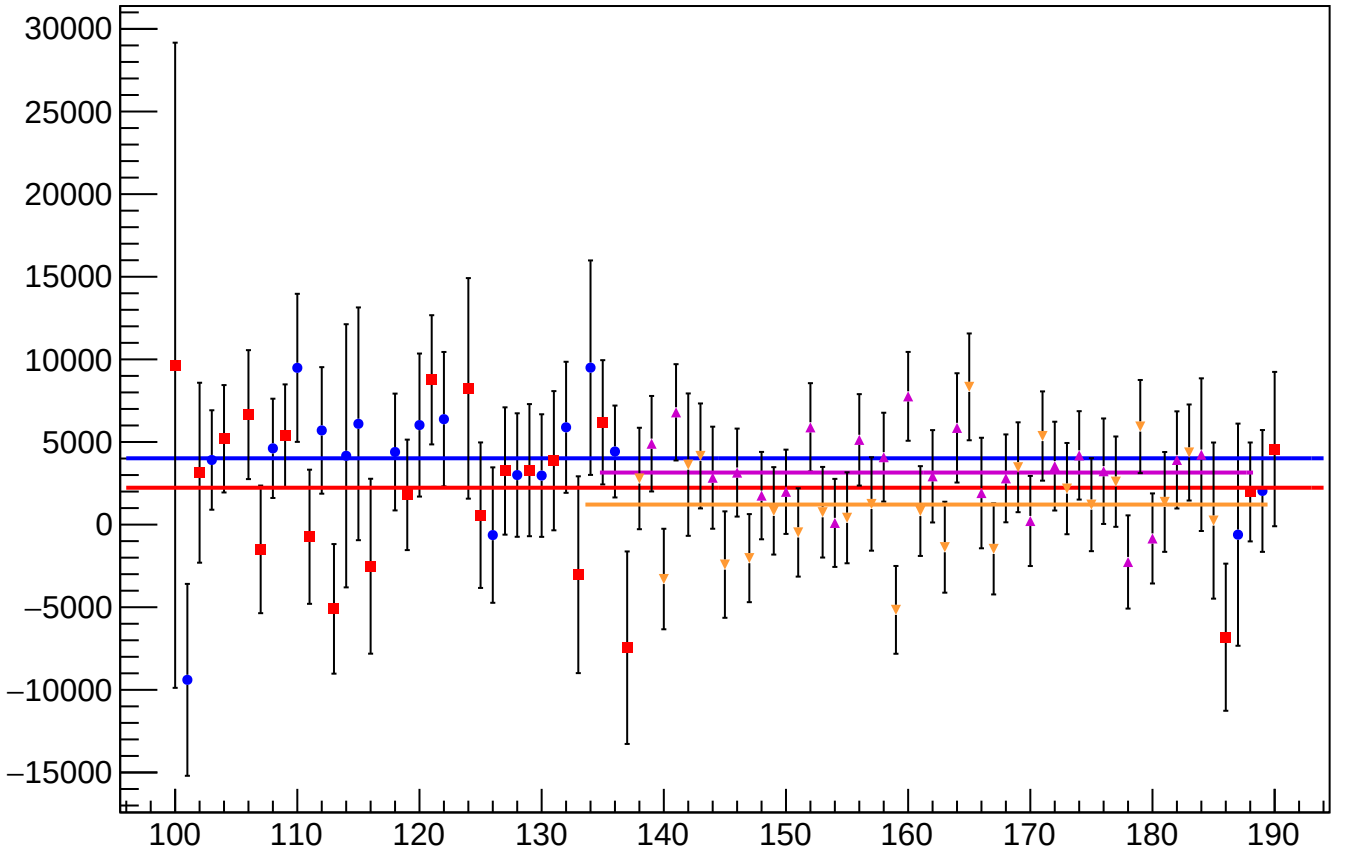
Right: -2188.041+/-2067.982 χ^2/NDF: 37.3/39

In: -916.942+/-1785.828 χ^2/NDF:29.1/40

Out: -463.817+/-1682.515 χ^2/NDF:50.0/46

All: -676.894+/-1224.613 χ^2/NDF: 79.2/87


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8585.624+/-2.209 χ²/NDF: 667708.0/17
Left Out: 9154.688+/-1.501 χ²/NDF:1072073.9/24
Right Out: 7978.869+/-1.951 χ²/NDF: 1546442.6/21
Left In: 9137.576+/-1.539 χ²/NDF:1172792.2/22
Left: 9146.344+/-1.075 χ²/NDF: 2244929.5/47
Right: 8244.664+/-1.462 χ²/NDF: 2256533.1/39
In: 8957.266+/-1.263 χ²/NDF:1882524.1/40
Out: 8717.312+/-1.190 χ²/NDF:2846700.0/46
All: 8830.148+/-0.866 χ²/NDF: 4748352.8/87



Right In: 4013.880+/-947.070 χ^2/NDF: 10.9/17

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 2232.241+/-884.062 χ^2/NDF: 22.2/21

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

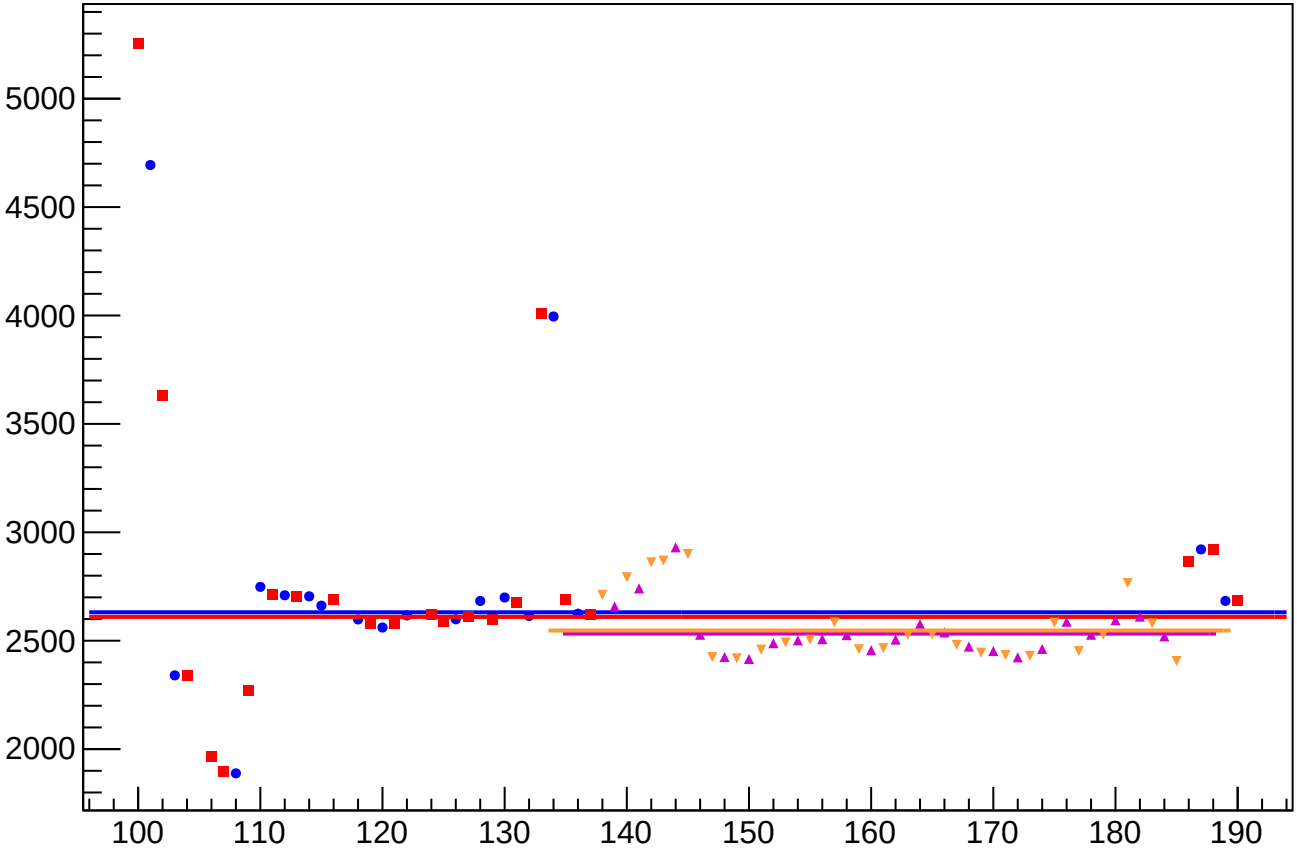
Right: 3061.828+/-646.254 χ^2/NDF: 34.9/39

In: 3392.970+/-502.067 χ^2/NDF:27.9/40

Out: 1520.071+/-484.770 χ^2/NDF:49.9/46

All: 2423.704+/-348.739 χ^2/NDF: 85.0/87

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.044+/-0.670 χ^2/NDF: 490248.1/17

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2609.607+/-0.625 χ^2/NDF: 412191.9/21

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

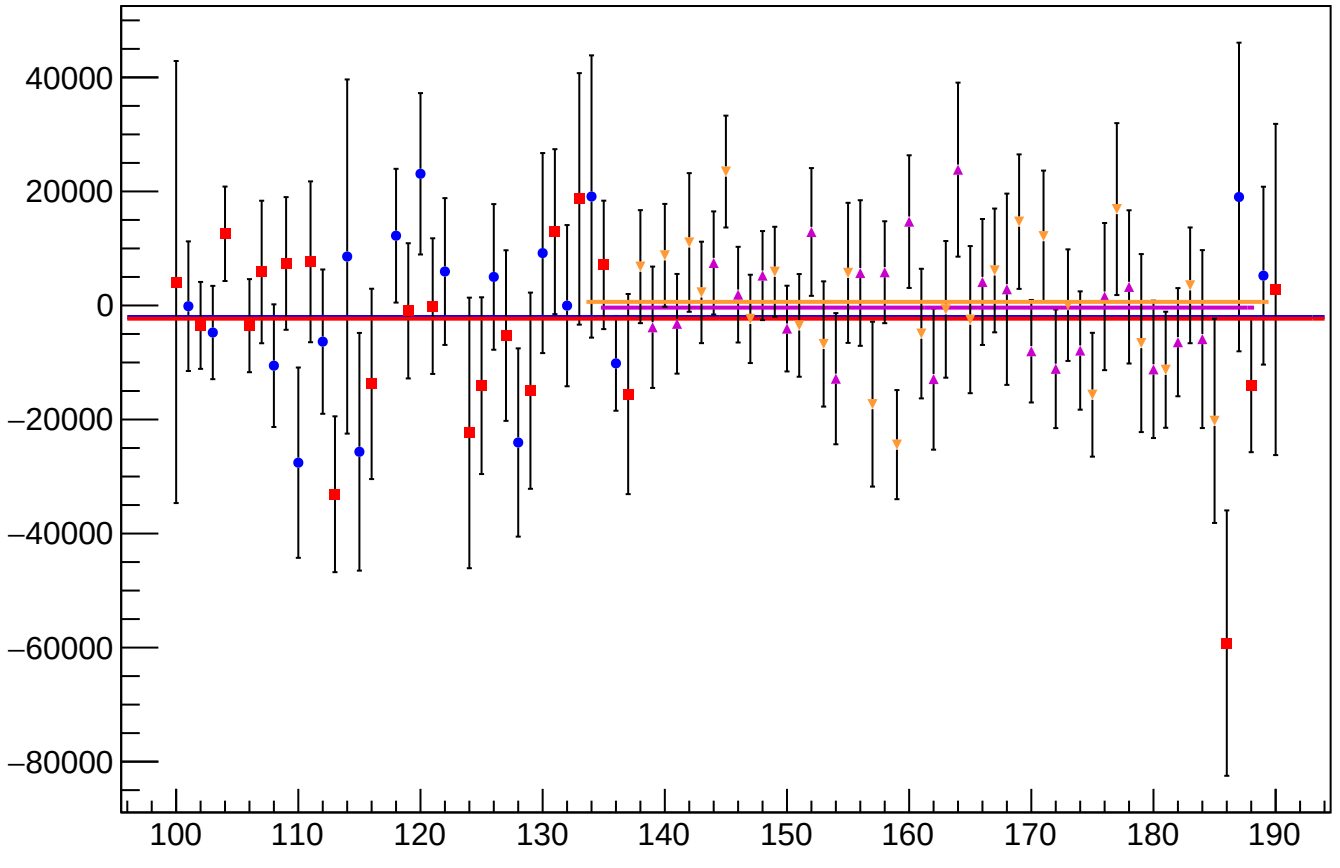
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2619.584+/-0.457 χ^2/NDF: 902987.8/39

In: 2560.391+/-0.355 χ^2/NDF:574170.7/40

Out: 2565.947+/-0.343 χ^2/NDF:536474.6/46

All: 2563.267+/-0.247 χ^2/NDF: 1110772.0/87



Right In: -2027.896+/-3124.490 χ^2/NDF: 14.7/17

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -2312.850+/-2758.680 χ^2/NDF: 22.7/21

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

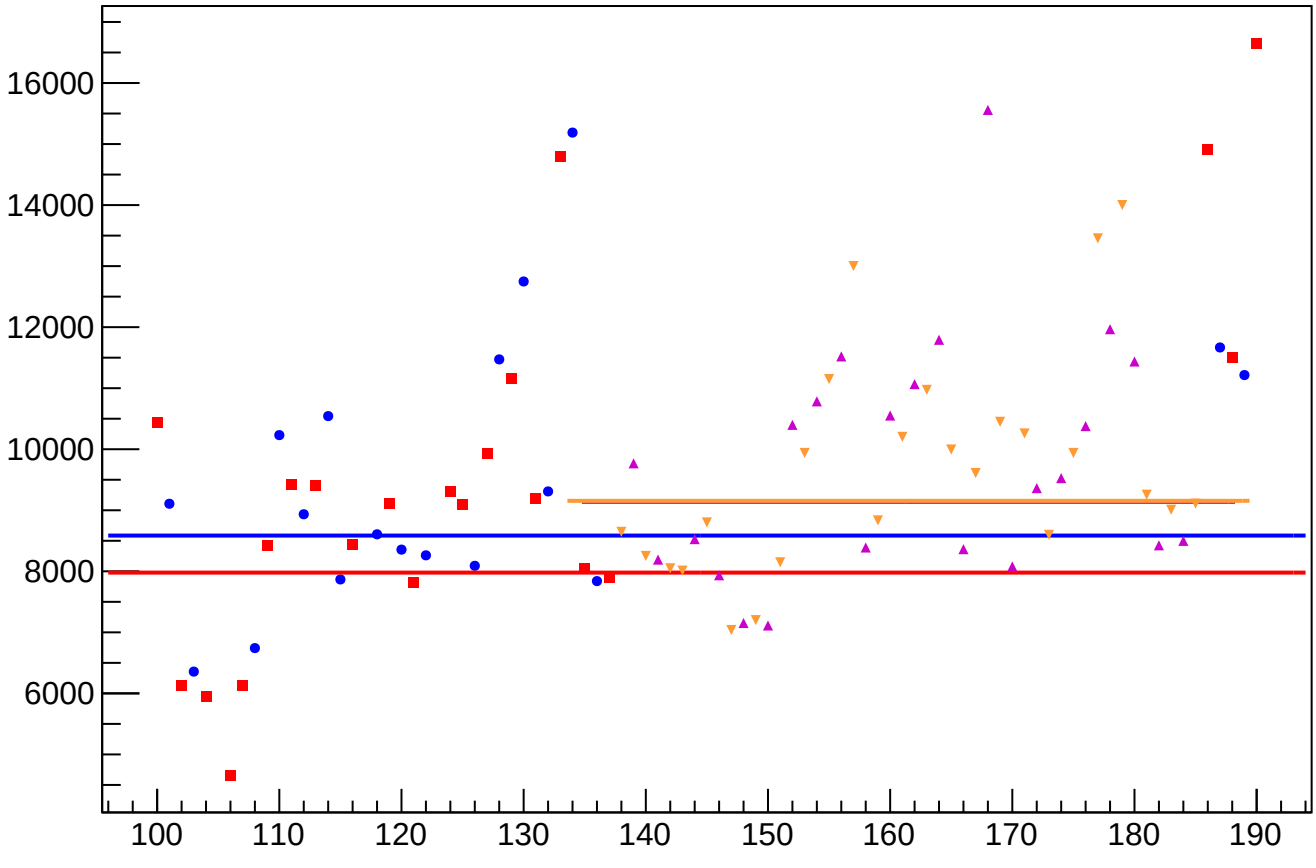
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2188.023+/-2067.979 χ^2/NDF: 37.3/39

In: -916.937+/-1785.829 χ^2/NDF:29.1/40

Out: -463.821+/-1682.516 χ^2/NDF:50.0/46

All: -676.894+/-1224.614 χ^2/NDF: 79.2/87



Right In: 8585.614+/-2.209 χ^2/NDF: 667704.1/17

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7978.857+/-1.951 χ^2/NDF: 1546441.3/21

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

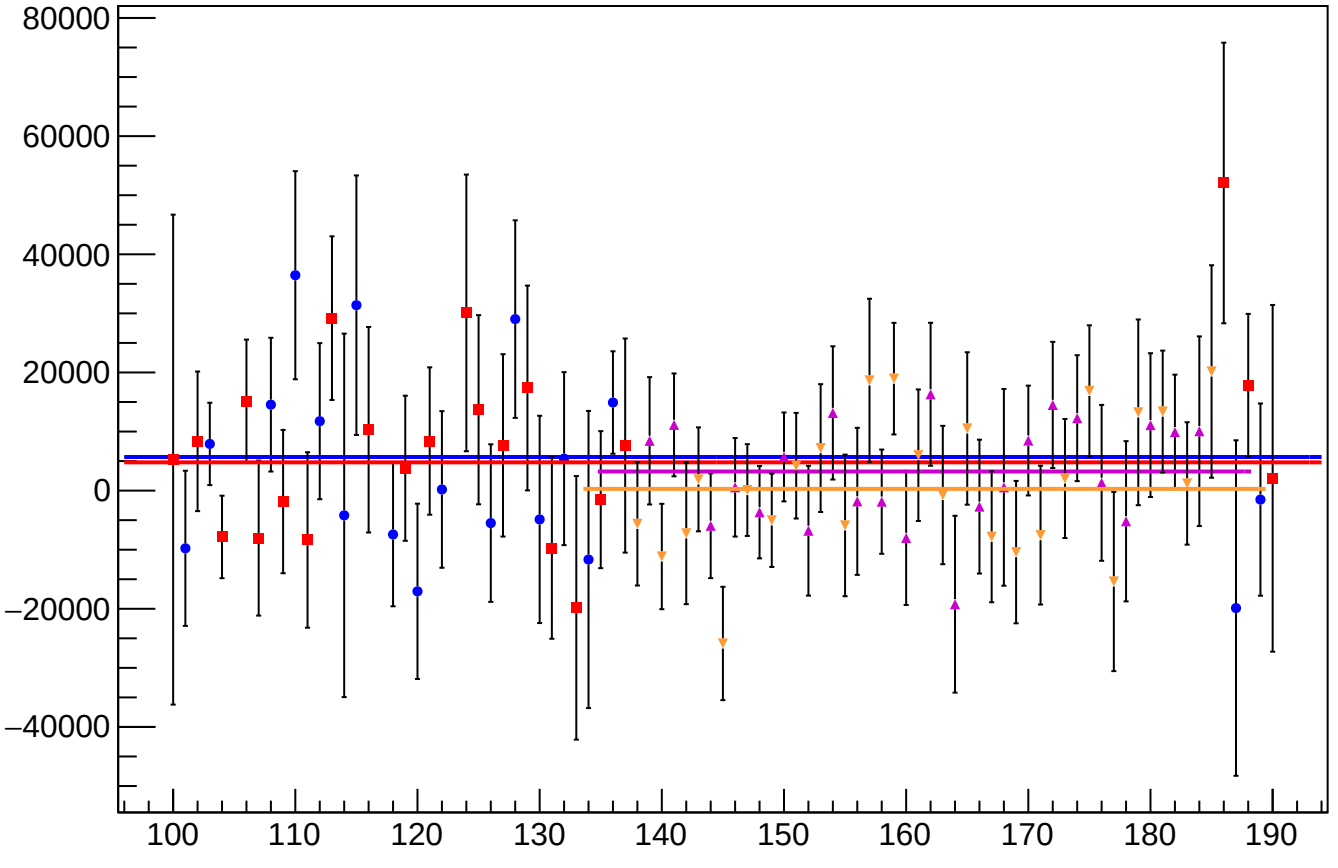
Right: 8244.653+/-1.462 χ^2/NDF: 2256528.3/39

In: 8957.271+/-1.263 χ^2/NDF:1882527.6/40

Out: 8717.316+/-1.190 χ^2/NDF:2846710.9/46

All: 8830.152+/-0.866 χ^2/NDF: 4748367.5/87

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5688.457+/-3157.611 χ^2/NDF: 16.1/17

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 4788.040+/-2936.529 χ^2/NDF: 19.3/21

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

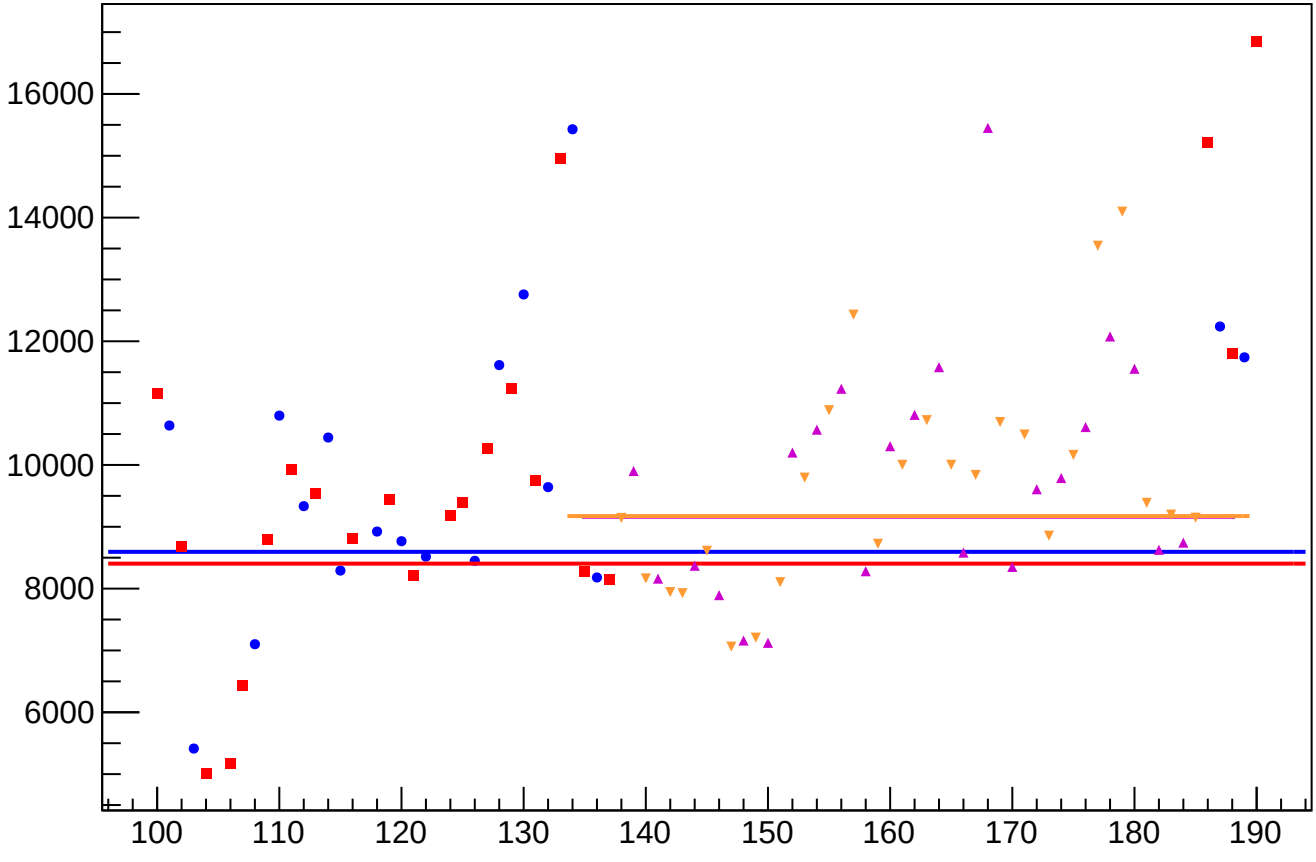
Right: 5205.626+/-2150.354 χ^2/NDF: 35.5/39

In: 4025.971+/-1793.896 χ^2/NDF:30.1/40

Out: 1839.583+/-1721.735 χ^2/NDF:47.2/46

All: 2887.918+/-1242.178 χ^2/NDF: 78.0/87

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8594.883+/-2.233 χ^2/NDF: 995180.4/17

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8404.172+/-2.076 χ^2/NDF: 1542943.4/21

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

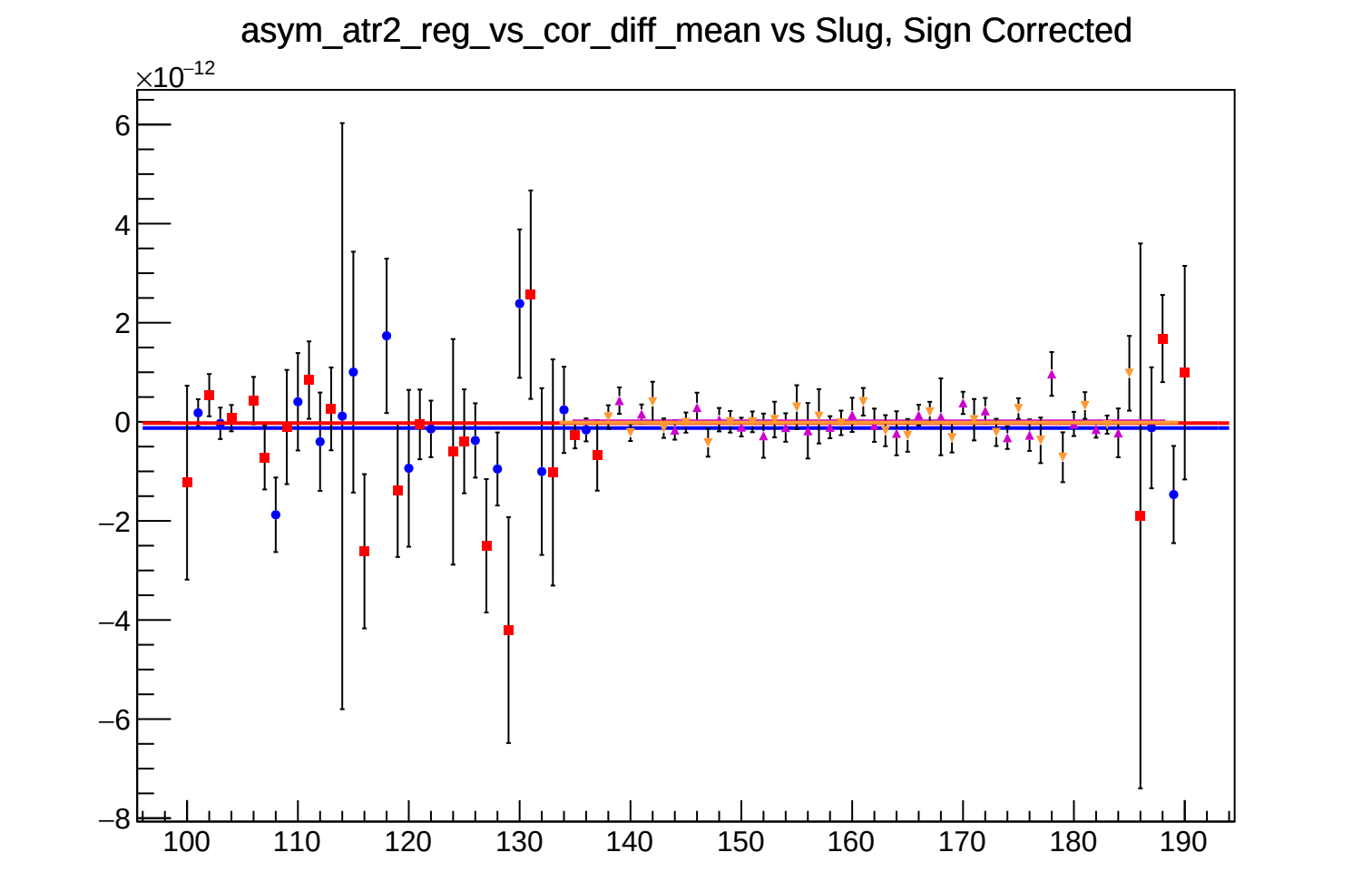
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 8492.616+/-1.521 χ^2/NDF: 2542036.0/39

In: 8979.145+/-1.268 χ^2/NDF:2166448.3/40

Out: 8908.582+/-1.217 χ^2/NDF:2689817.5/46

All: 8942.416+/-0.878 χ^2/NDF: 4857876.5/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/21

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

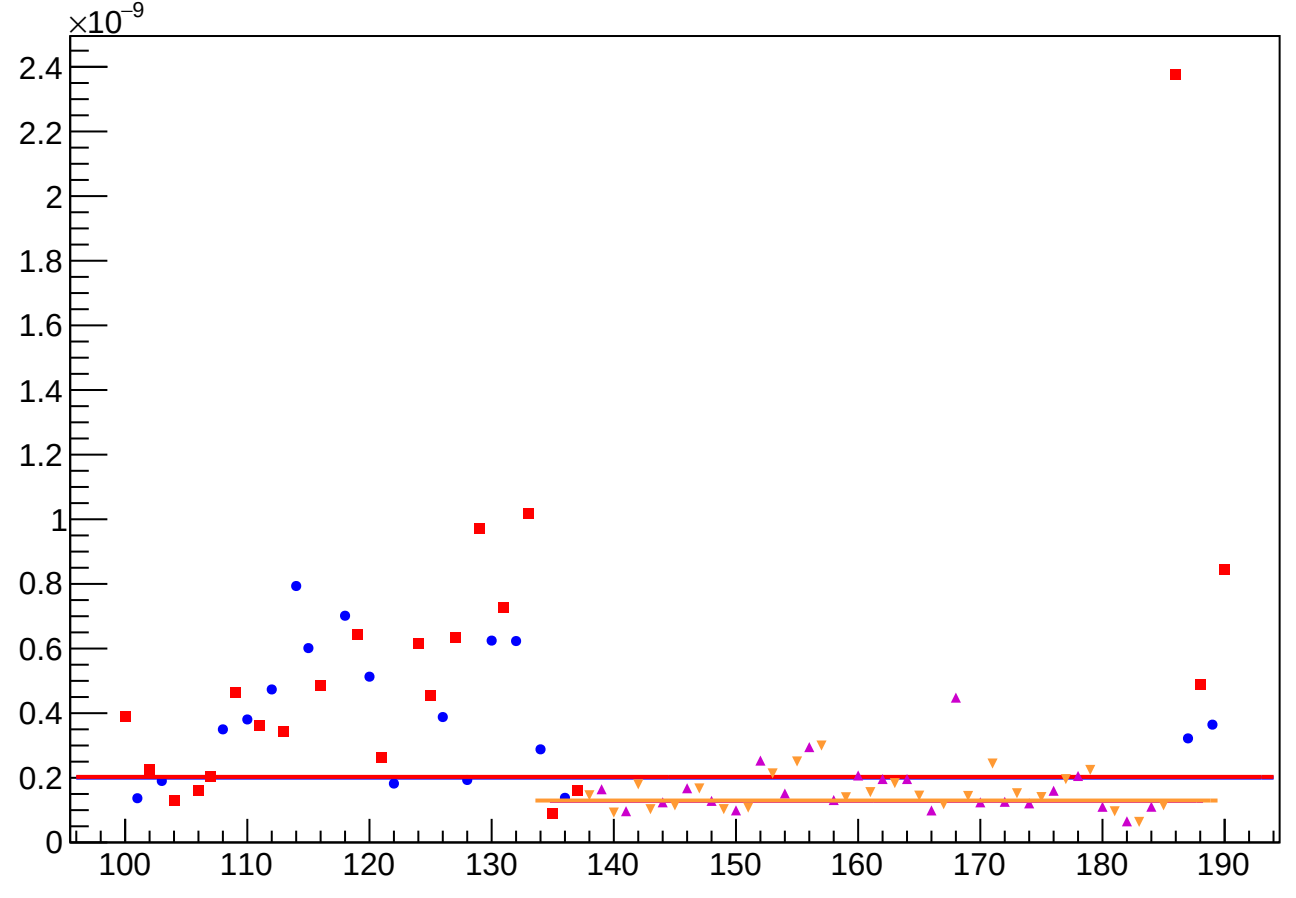
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 39.6/39

In: -0.000+/-0.000 χ^2/NDF:35.6/40

Out: -0.000+/-0.000 χ^2/NDF:43.2/46

All: -0.000+/-0.000 χ^2/NDF: 78.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 1420179.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2778875.9/21

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

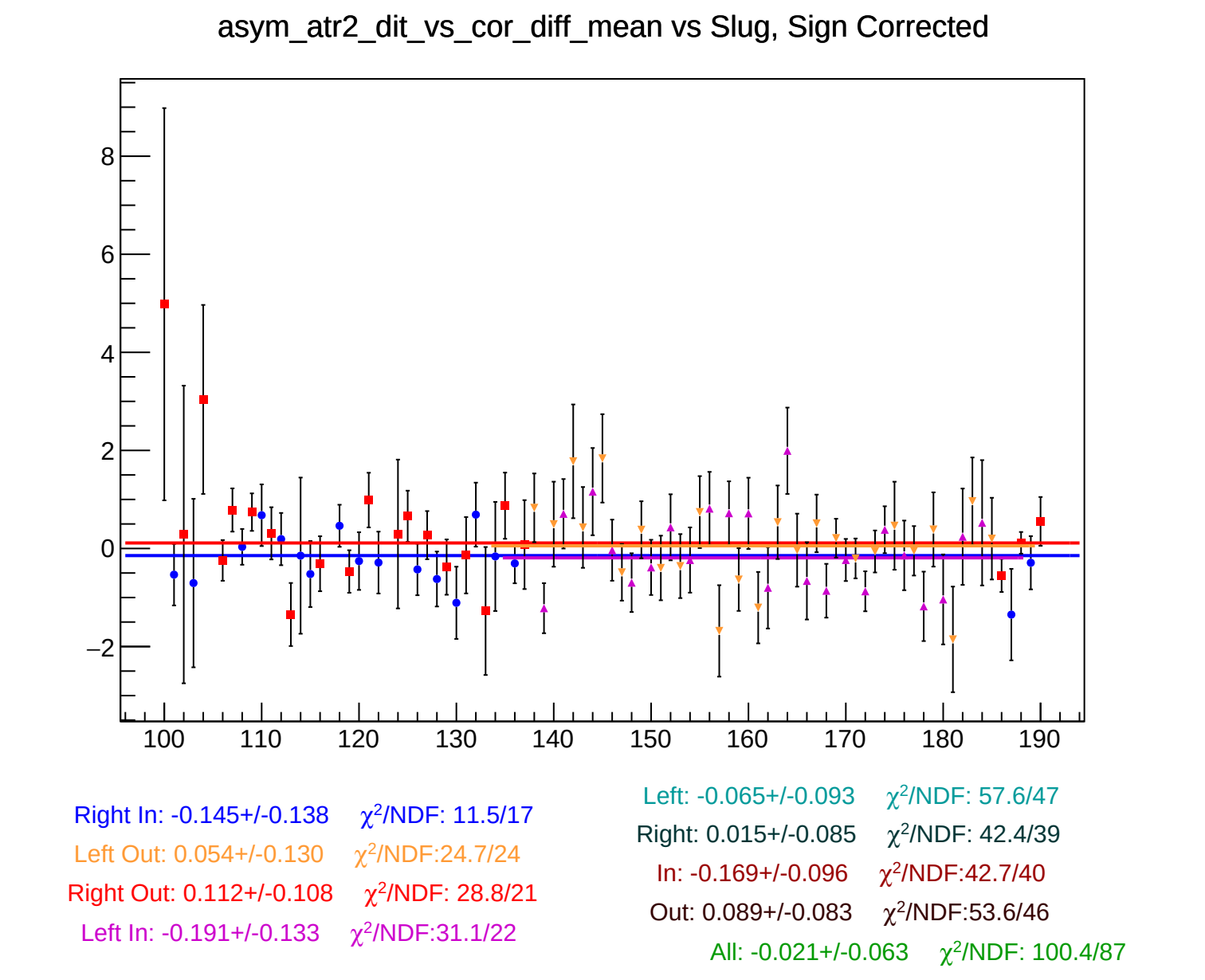
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

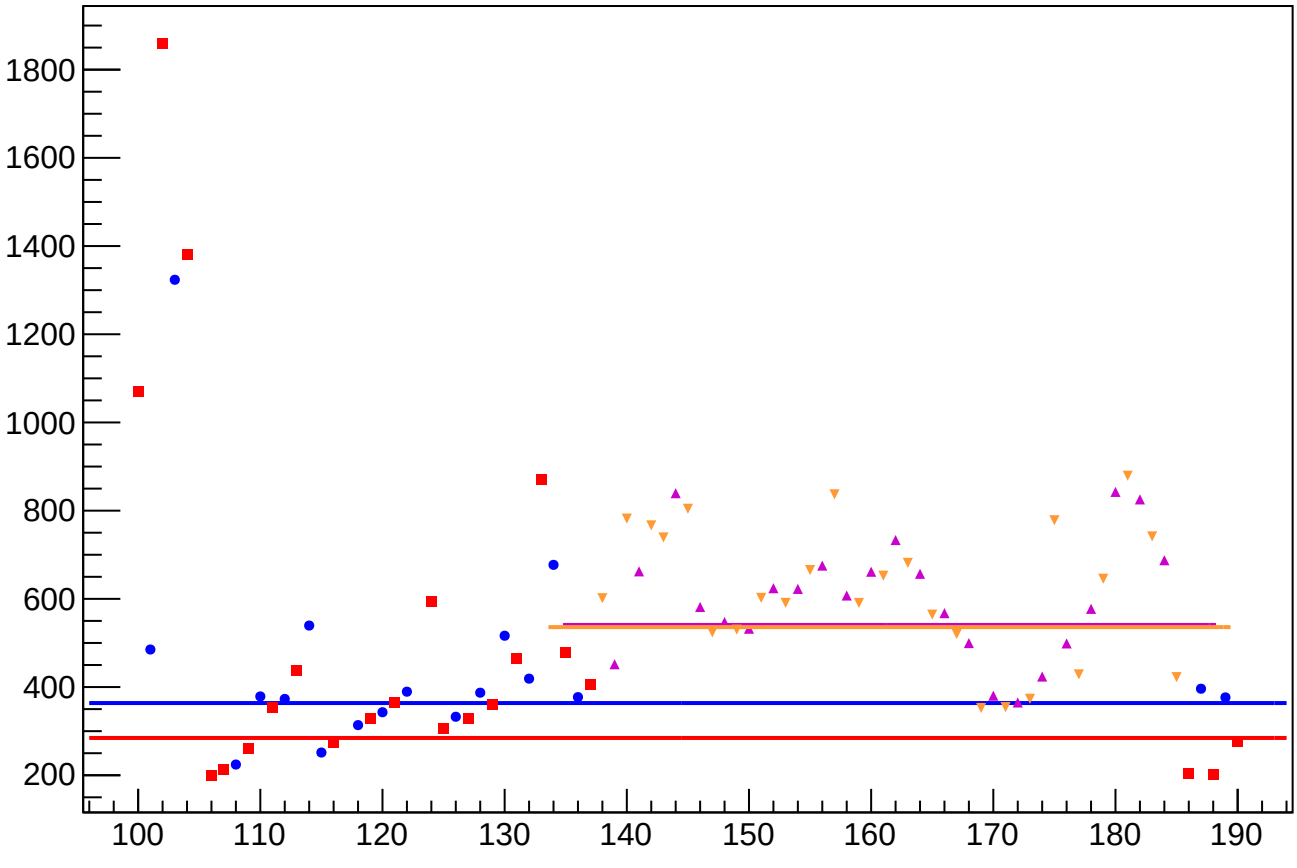
Right: 0.000+/-0.000 χ^2/NDF: 4199341.6/39

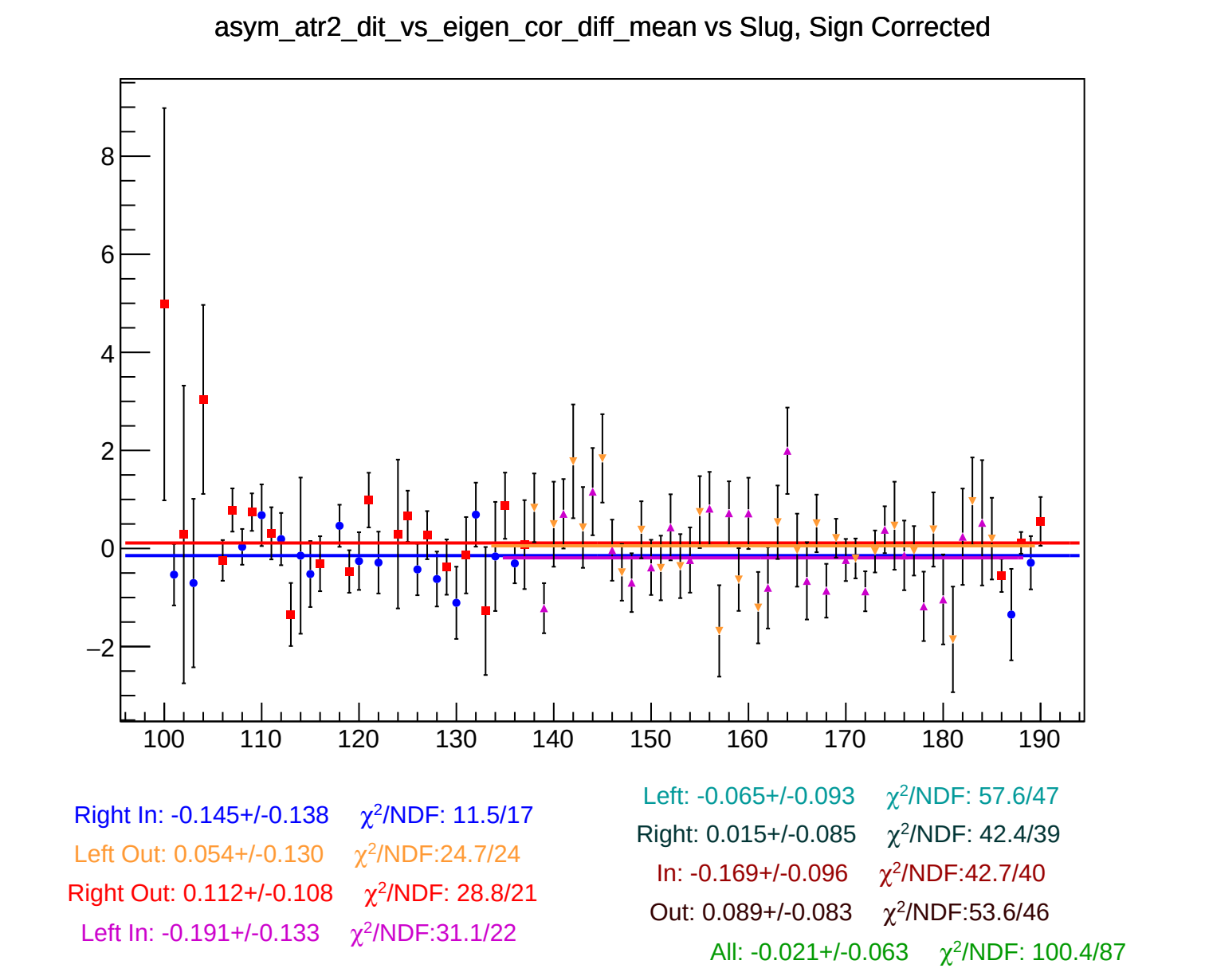
In: 0.000+/-0.000 χ^2/NDF:3448120.8/40

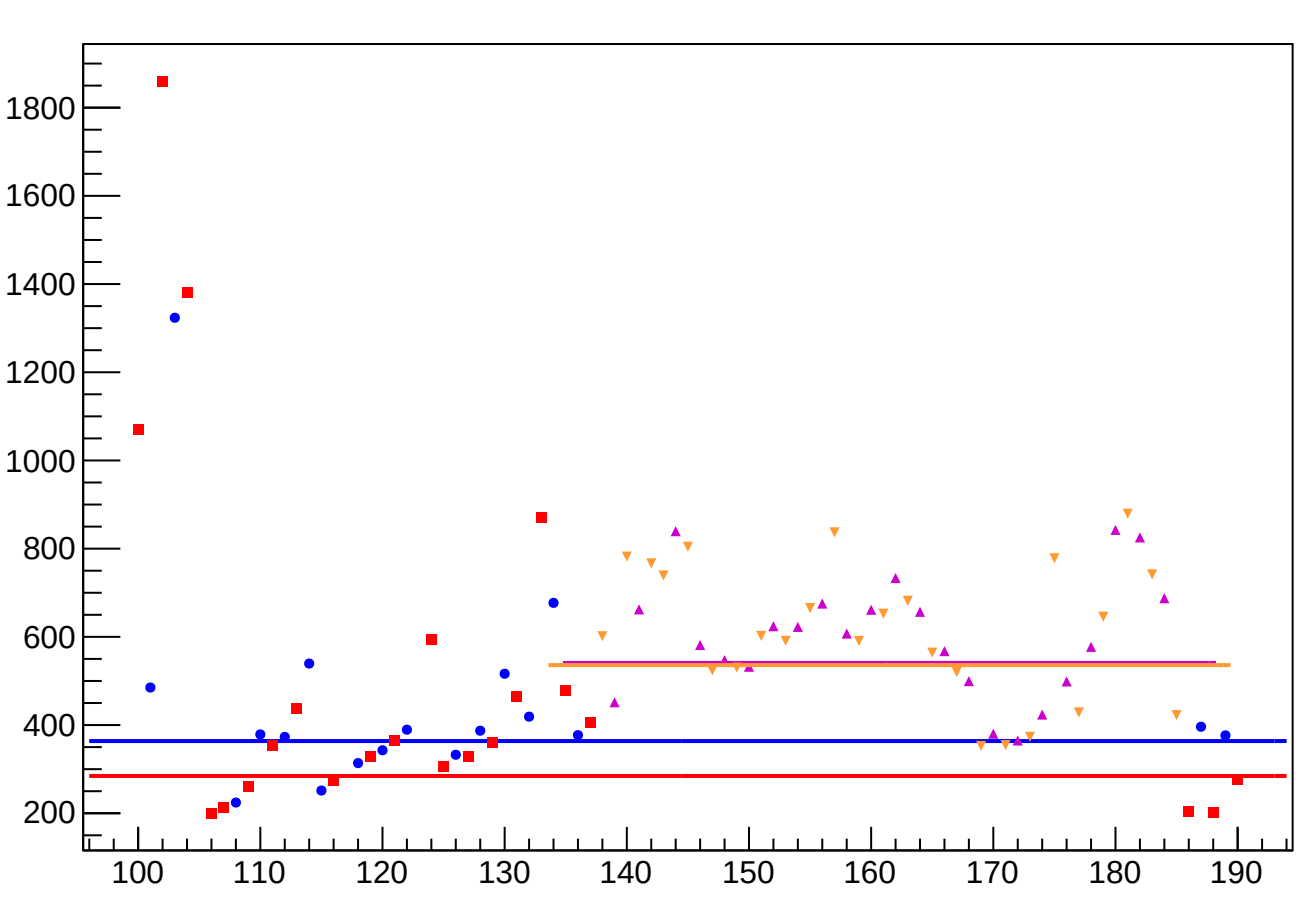
Out: 0.000+/-0.000 χ^2/NDF:4665414.3/46

All: 0.000+/-0.000 χ^2/NDF: 8113578.5/87


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.145+/-0.138 χ²/NDF: 11.5/17
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: 0.112+/-0.108 χ²/NDF: 28.8/21
Left In: -0.191+/-0.133 χ²/NDF:31.1/22
Left: -0.065+/-0.093 χ²/NDF: 57.6/47
Right: 0.015+/-0.085 χ²/NDF: 42.4/39
In: -0.169+/-0.096 χ²/NDF:42.7/40
Out: 0.089+/-0.083 χ²/NDF:53.6/46
All: -0.021+/-0.063 χ²/NDF: 100.4/87


asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 363.730+/-0.098 χ²/NDF: 1381146.1/17
Left Out: 535.943+/-0.092 χ²/NDF:2749736.4/24
Right Out: 284.594+/-0.076 χ²/NDF: 2854304.0/21
Left In: 540.804+/-0.094 χ²/NDF:1904998.0/22
Left: 538.306+/-0.066 χ²/NDF: 4656104.0/47
Right: 314.483+/-0.060 χ²/NDF: 4643179.7/39
In: 455.612+/-0.068 χ²/NDF:4988324.5/40
Out: 387.376+/-0.059 χ²/NDF:10057390.4/46
All: 416.523+/-0.044 χ²/NDF: 15625733.3/87


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.145+/-0.138 χ²/NDF: 11.5/17
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: 0.112+/-0.108 χ²/NDF: 28.8/21
Left In: -0.191+/-0.133 χ²/NDF:31.1/22
Left: -0.065+/-0.093 χ²/NDF: 57.6/47
Right: 0.015+/-0.085 χ²/NDF: 42.4/39
In: -0.169+/-0.096 χ²/NDF:42.7/40
Out: 0.089+/-0.083 χ²/NDF:53.6/46
All: -0.021+/-0.063 χ²/NDF: 100.4/87



Right In: 363.730+/-0.098 χ^2/NDF: 1381146.1/17

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 284.594+/-0.076 χ^2/NDF: 2854304.0/21

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

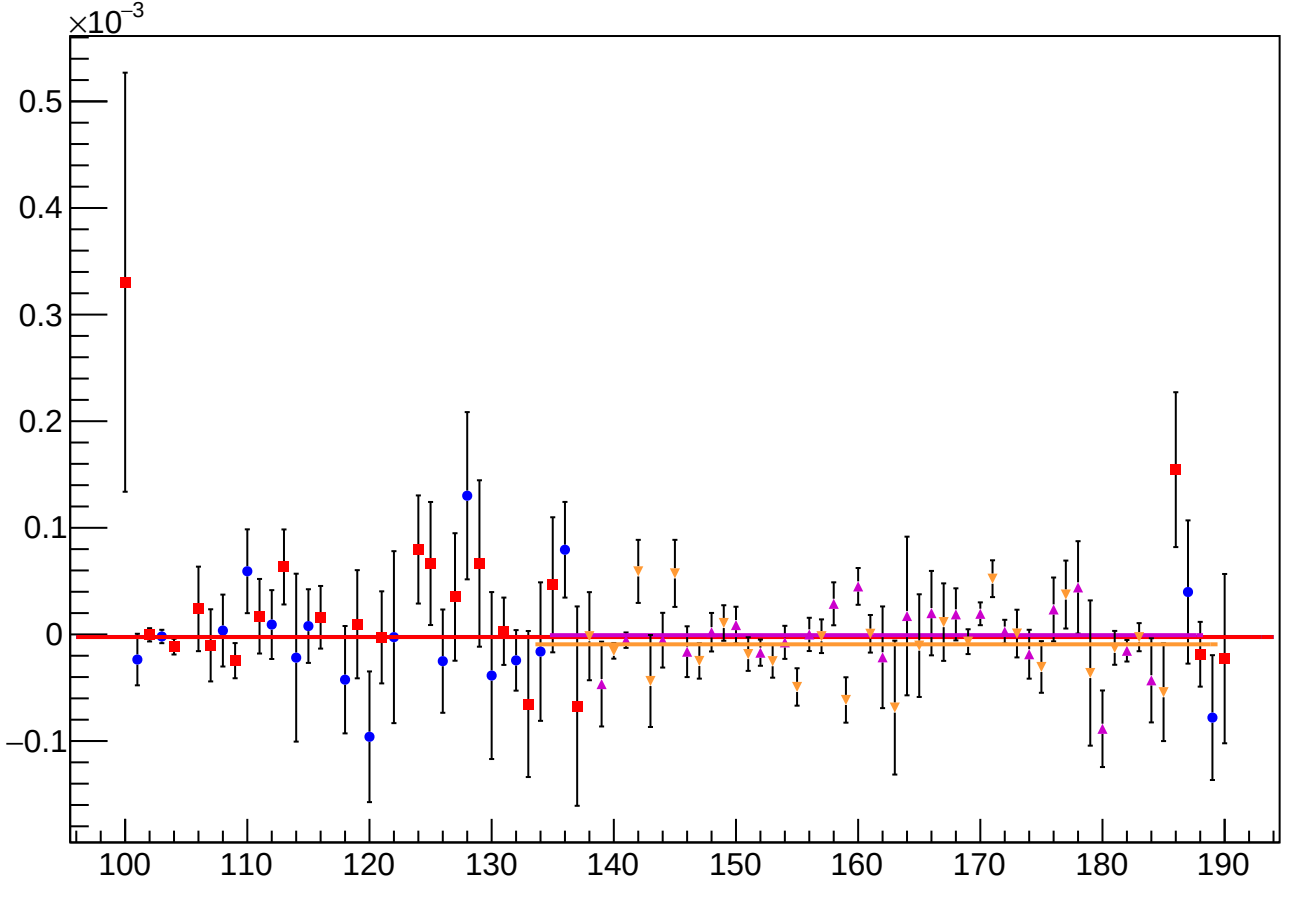
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 314.483+/-0.060 χ^2/NDF: 4643179.7/39

In: 455.612+/-0.068 χ^2/NDF:4988324.5/40

Out: 387.376+/-0.059 χ^2/NDF:10057390.4/46

All: 416.523+/-0.044 χ^2/NDF: 15625733.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

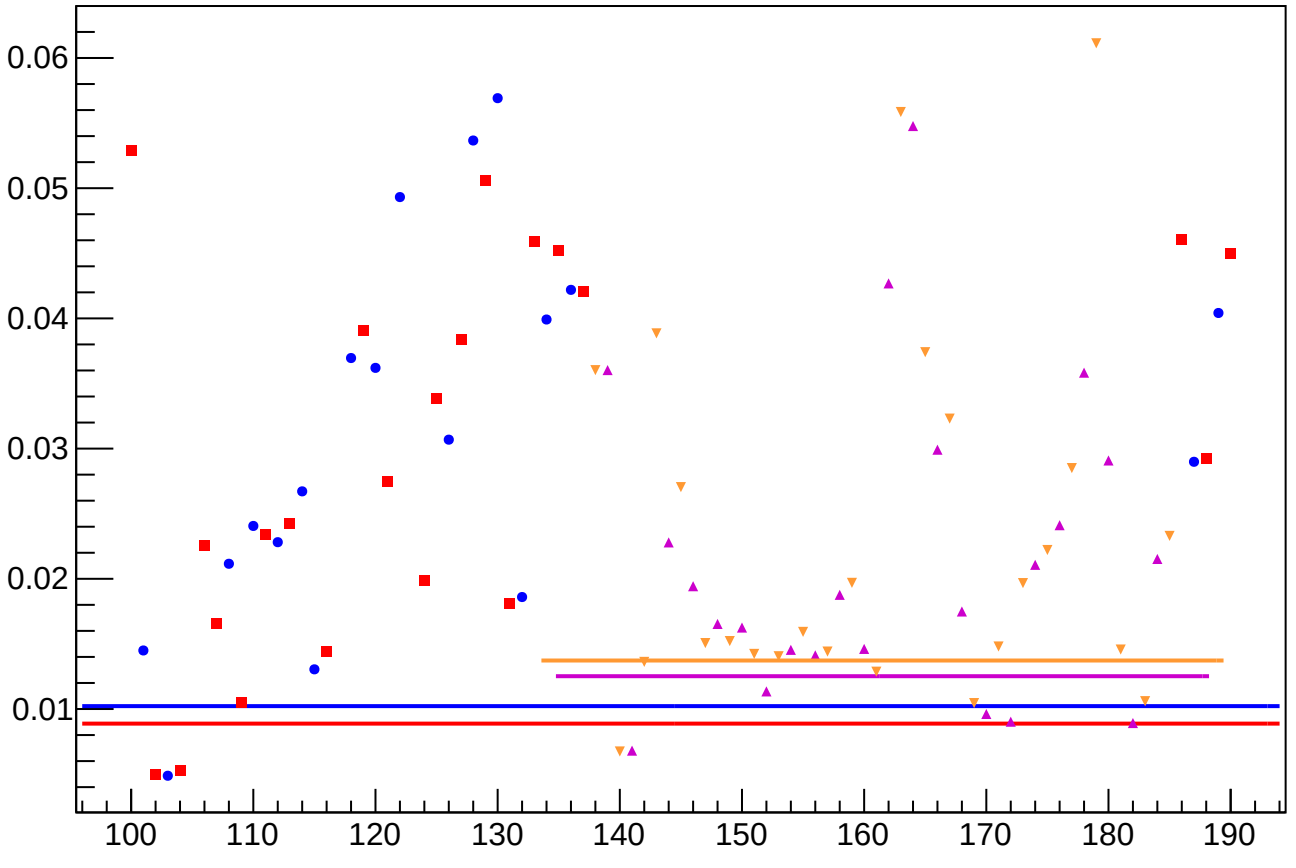
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 39.1/39

In: -0.000+/-0.000 χ^2/NDF:45.9/40

Out: -0.000+/-0.000 χ^2/NDF:69.9/46

All: -0.000+/-0.000 χ^2/NDF: 117.5/87



Right In: 0.010+/-0.000 χ^2/NDF: 7750221.0/17

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8621685.8/21

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

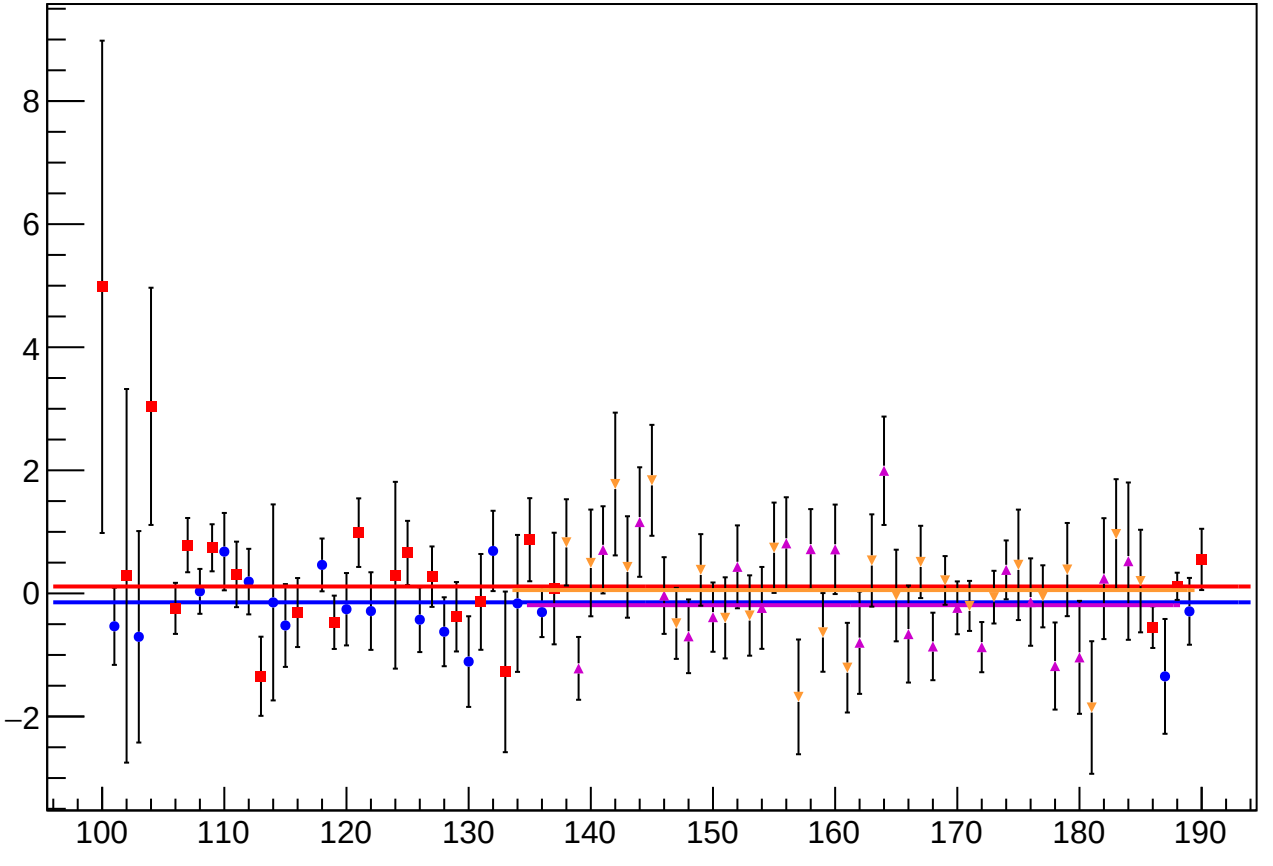
Right: 0.009+/-0.000 χ^2/NDF: 16449980.1/39

In: 0.012+/-0.000 χ^2/NDF:15131719.5/40

Out: 0.012+/-0.000 χ^2/NDF:17885652.7/46

All: 0.012+/-0.000 χ^2/NDF: 33022131.8/87

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.112+/-0.108 χ^2/NDF: 28.8/21

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

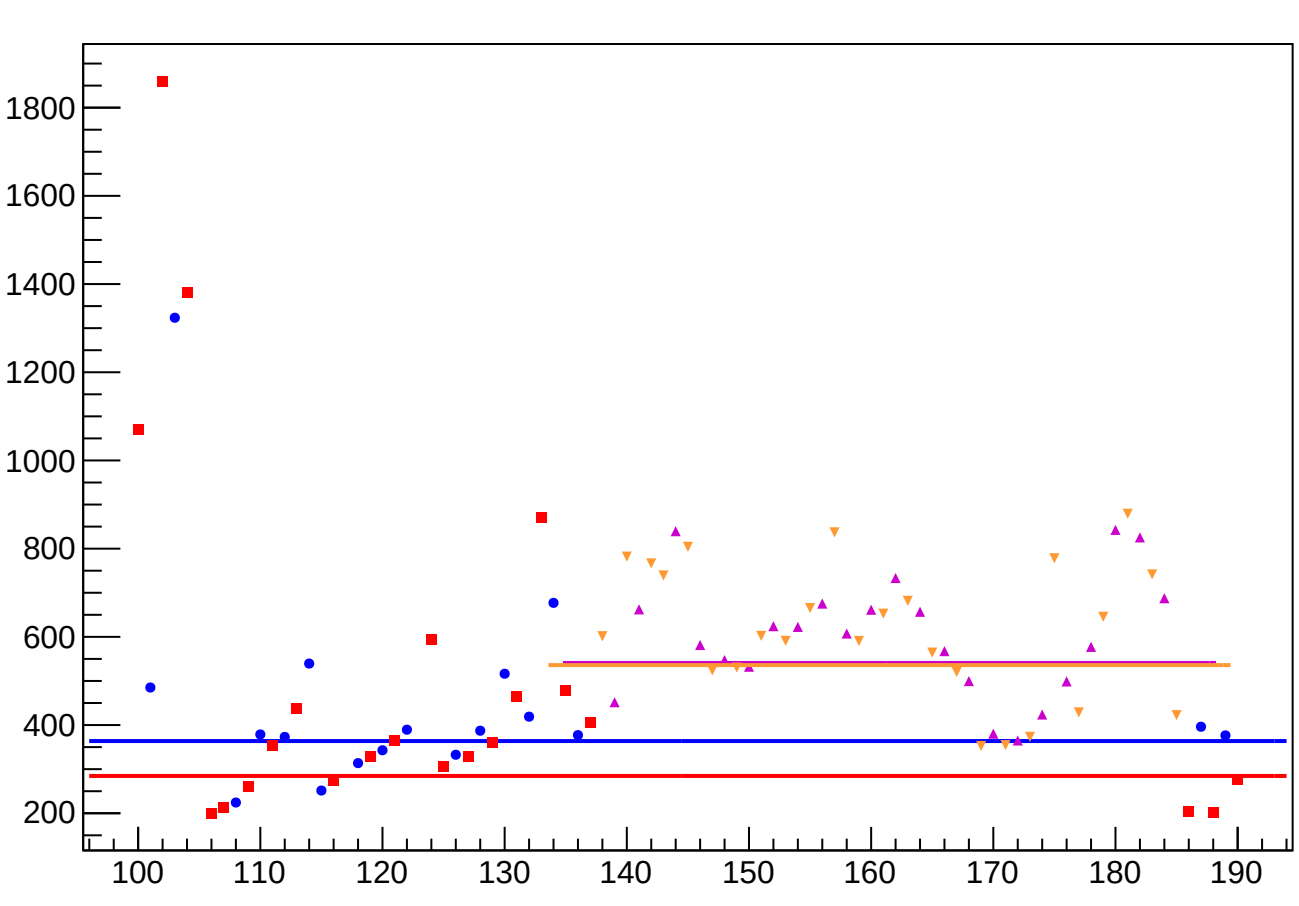
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.015+/-0.085 χ^2/NDF: 42.4/39

In: -0.169+/-0.096 χ^2/NDF:42.7/40

Out: 0.089+/-0.083 χ^2/NDF:53.6/46

All: -0.021+/-0.063 χ^2/NDF: 100.4/87



Right In: 363.726+/-0.098 χ^2/NDF: 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.594+/-0.076 χ^2/NDF: 2854239.1/21

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

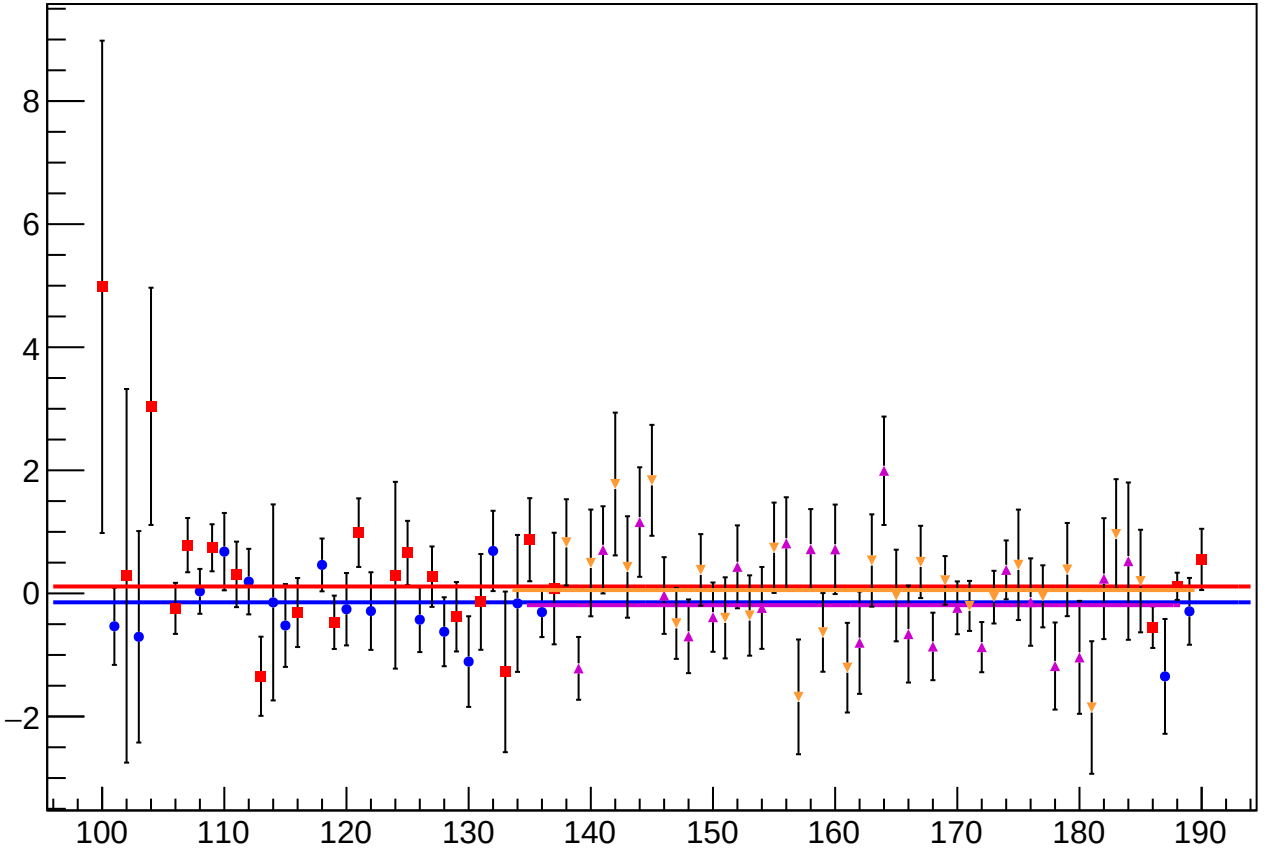
Right: 314.482+/-0.060 χ^2/NDF: 4643080.1/39

In: 455.611+/-0.068 χ^2/NDF:4988533.4/40

Out: 387.377+/-0.059 χ^2/NDF:10057522.3/46

All: 416.523+/-0.044 χ^2/NDF: 15626046.9/87

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.112+/-0.108 χ^2/NDF: 28.8/21

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

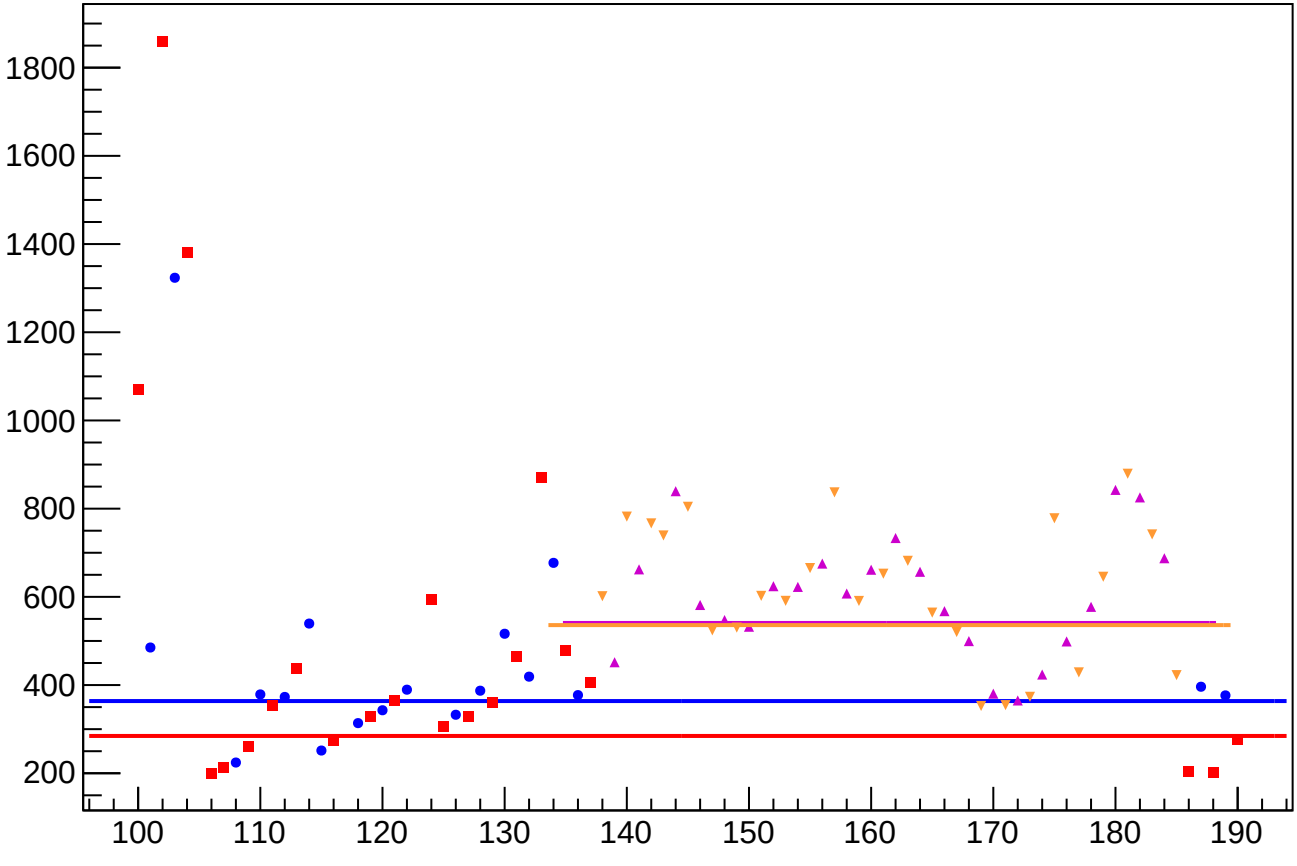
Right: 0.015+/-0.085 χ^2/NDF: 42.4/39

In: -0.169+/-0.096 χ^2/NDF:42.7/40

Out: 0.089+/-0.083 χ^2/NDF:53.6/46

All: -0.021+/-0.063 χ^2/NDF: 100.4/87

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 363.726+/-0.098 χ^2/NDF: 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.594+/-0.076 χ^2/NDF: 2854239.1/21

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

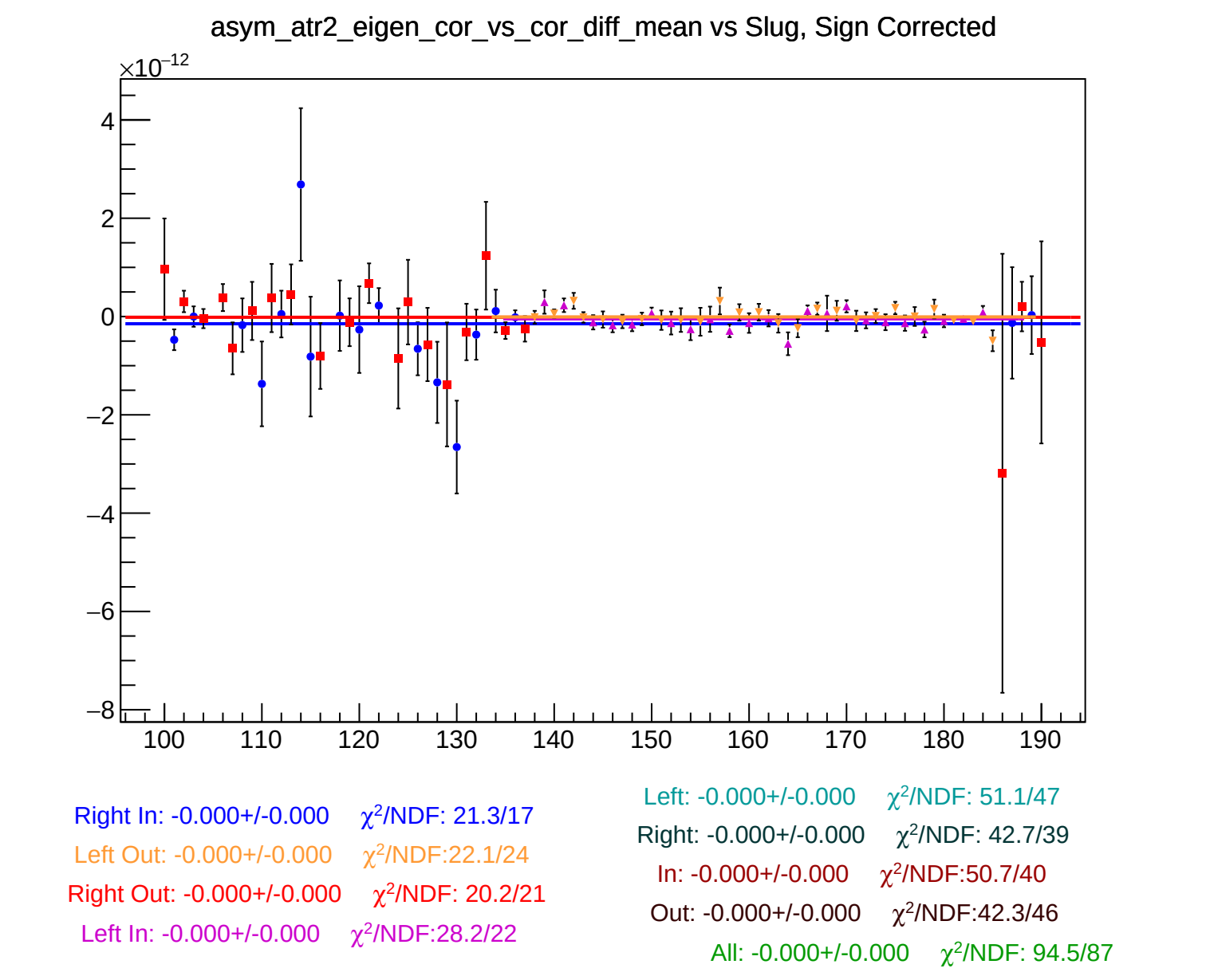
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

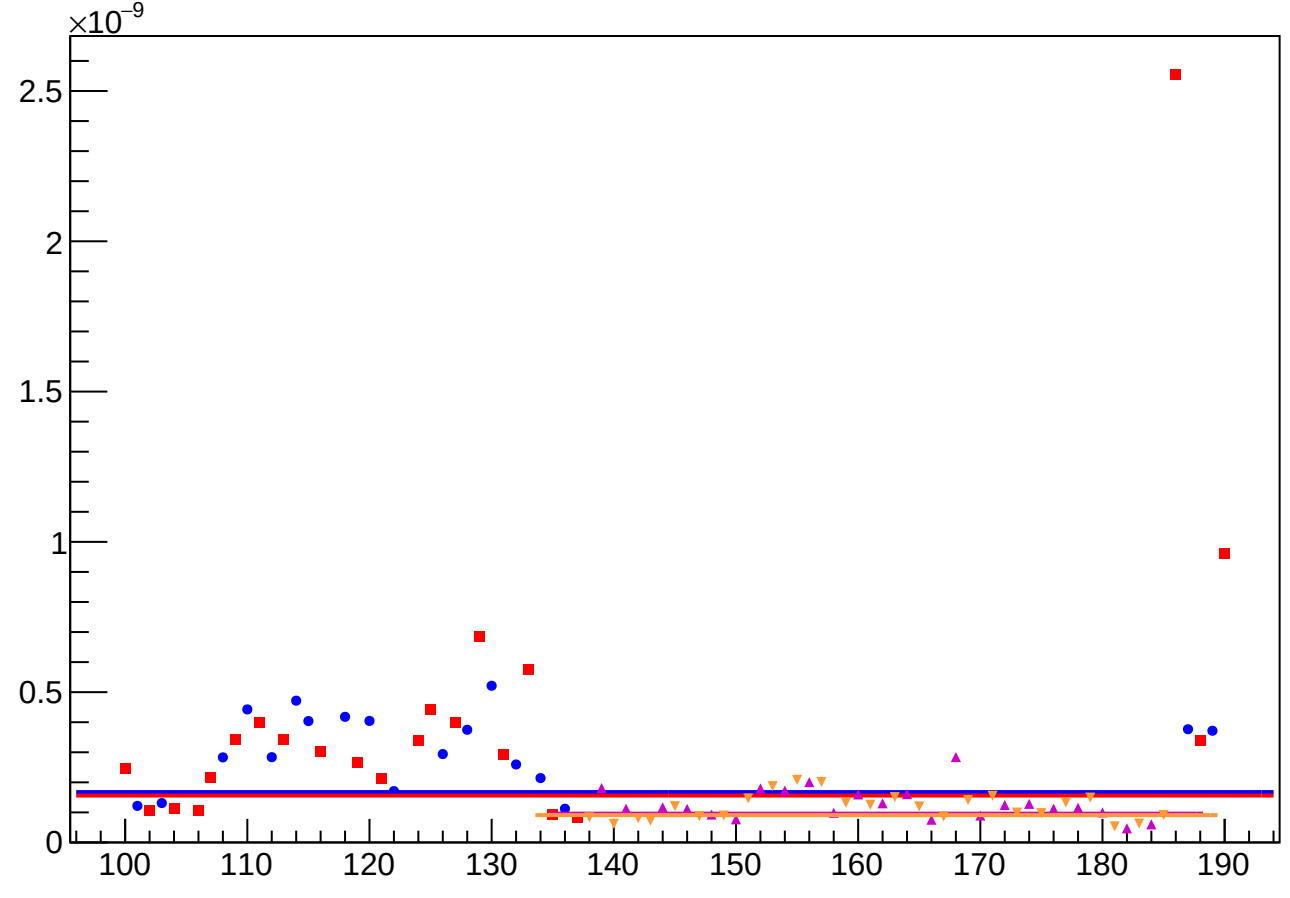
Right: 314.482+/-0.060 χ^2/NDF: 4643080.1/39

In: 455.611+/-0.068 χ^2/NDF:4988533.4/40

Out: 387.377+/-0.059 χ^2/NDF:10057522.3/46

All: 416.523+/-0.044 χ^2/NDF: 15626046.9/87


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.3/17
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.2/21
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: 42.7/39
In: -0.000+/-0.000 χ²/NDF:50.7/40
Out: -0.000+/-0.000 χ²/NDF:42.3/46
All: -0.000+/-0.000 χ²/NDF: 94.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 2215989.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4008969.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

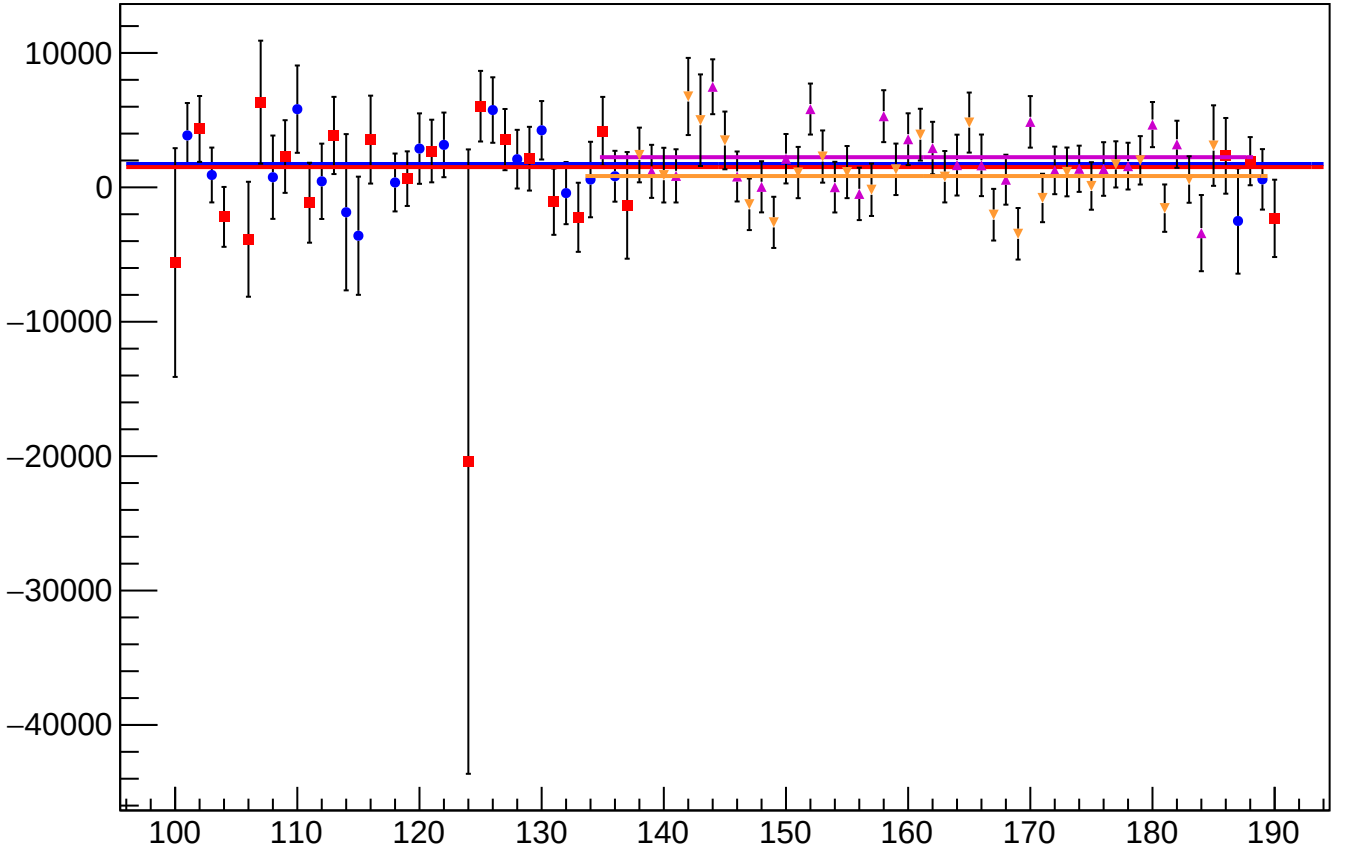
Right: 0.000+/-0.000 χ^2/NDF: 6243665.8/39

In: 0.000+/-0.000 χ^2/NDF:7359908.8/40

Out: 0.000+/-0.000 χ^2/NDF:8500574.0/46

All: 0.000+/-0.000 χ^2/NDF: 15903204.3/87

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1737.060+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1507.981+/-578.995 χ^2/NDF: 21.3/21

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

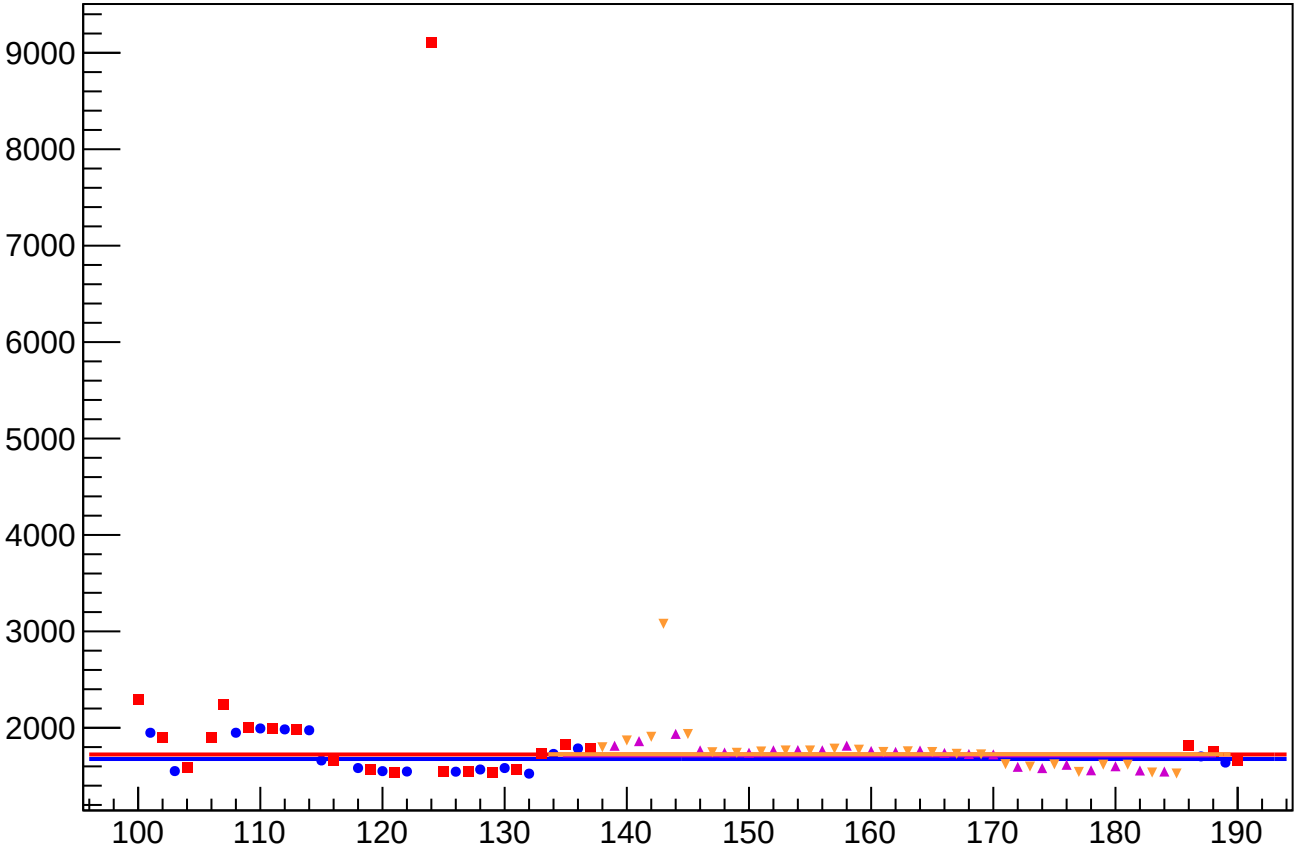
Right: 1618.879+/-415.868 χ^2/NDF: 33.8/39

In: 2087.499+/-332.859 χ^2/NDF:42.3/40

Out: 1052.818+/-325.986 χ^2/NDF:52.6/46

All: 1559.367+/-232.899 χ^2/NDF: 99.9/87

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.8/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1723.395+/-0.408 χ^2/NDF: 386937.0/21

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

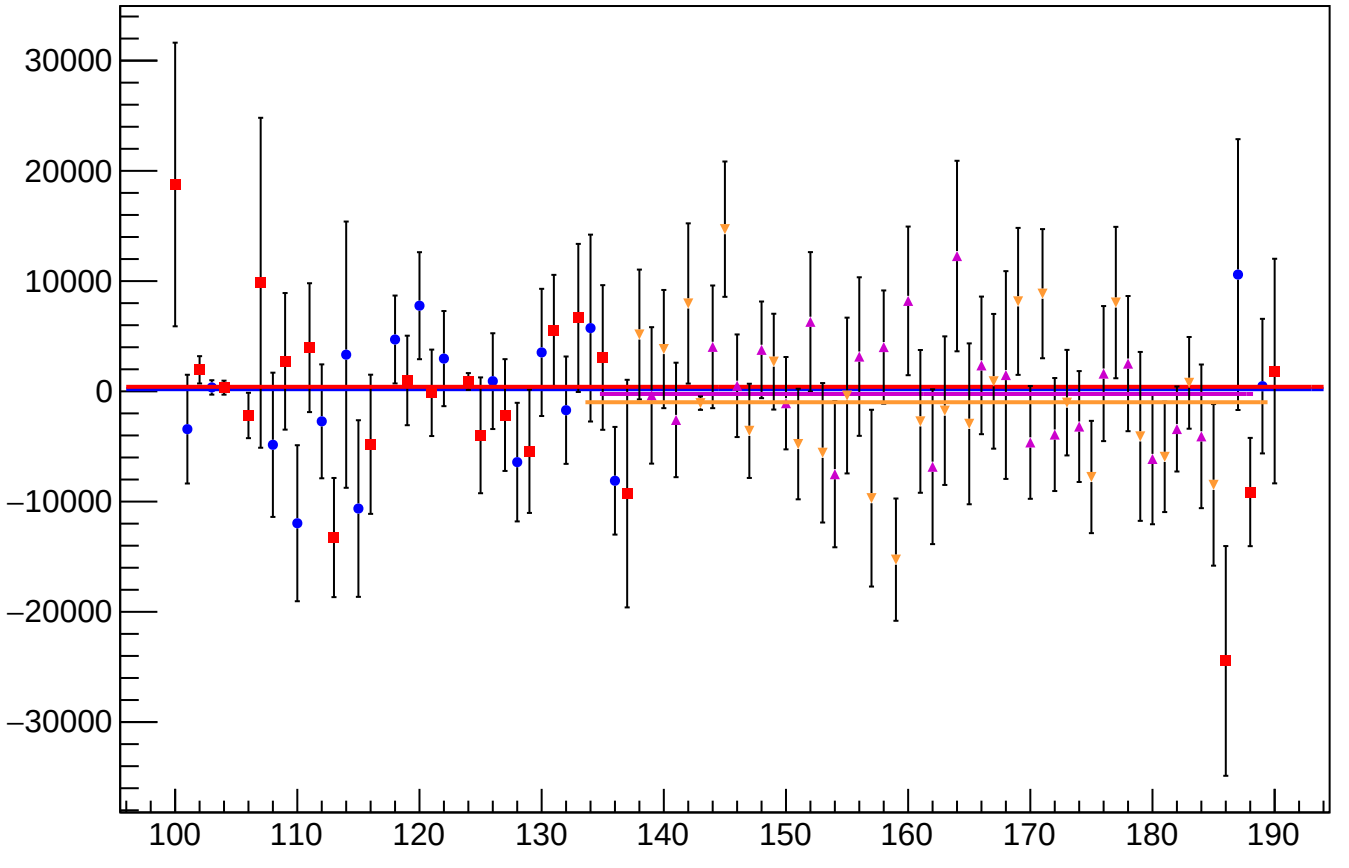
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1700.715+/-0.293 χ^2/NDF: 535491.2/39

In: 1701.744+/-0.235 χ^2/NDF:276660.6/40

Out: 1725.209+/-0.230 χ^2/NDF:841896.9/46

All: 1713.736+/-0.165 χ^2/NDF: 1123637.1/87



Right In: 195.010+/-588.172 χ^2/NDF: 16.6/17

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 410.837+/-422.490 χ^2/NDF: 28.1/21

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

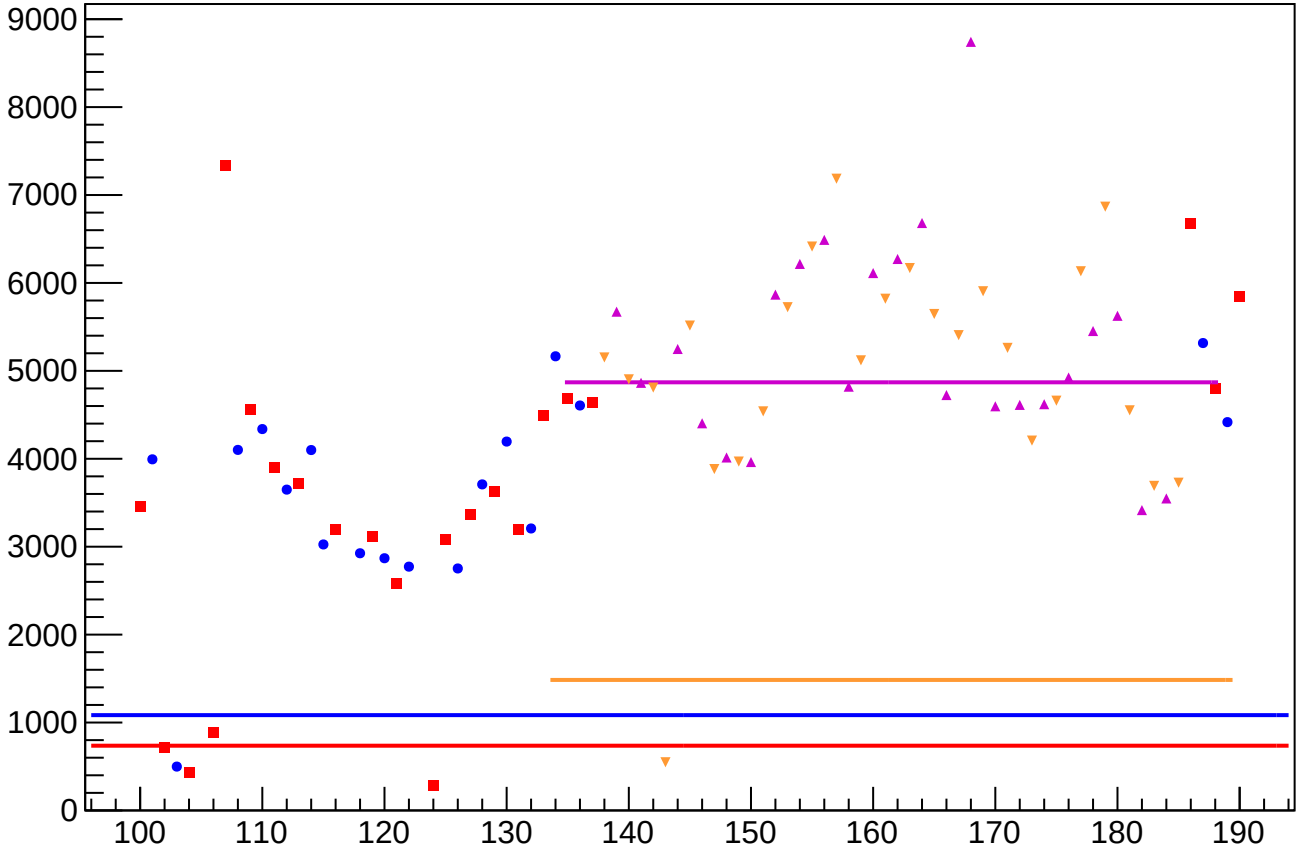
Right: 337.379+/-343.140 χ^2/NDF: 44.7/39

In: 106.742+/-525.055 χ^2/NDF:30.2/40

Out: -118.640+/-333.040 χ^2/NDF:63.1/46

All: -53.978+/-281.236 χ^2/NDF: 93.4/87

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1084.245+/-0.416 χ^2/NDF: 8955286.6/17

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 736.517+/-0.299 χ^2/NDF: 11183221.6/21

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

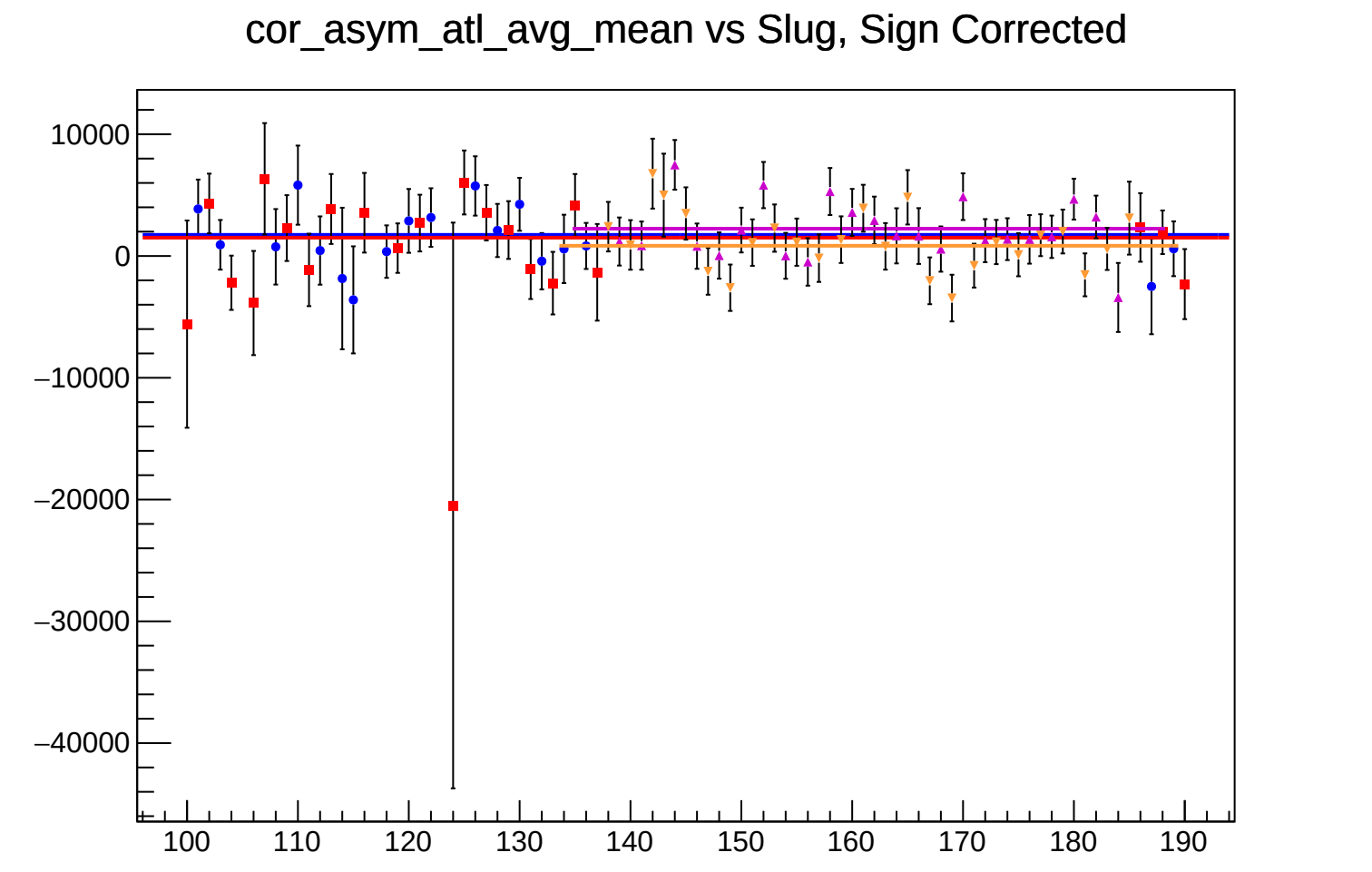
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 854.868+/-0.243 χ^2/NDF: 20599626.5/39

In: 1853.095+/-0.371 χ^2/NDF:27255550.3/40

Out: 1019.738+/-0.235 χ^2/NDF:36782011.6/46

All: 1258.830+/-0.199 χ^2/NDF: 67630352.1/8



Right In: 1737.204+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1506.013+/-578.999 χ^2/NDF: 21.3/21

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

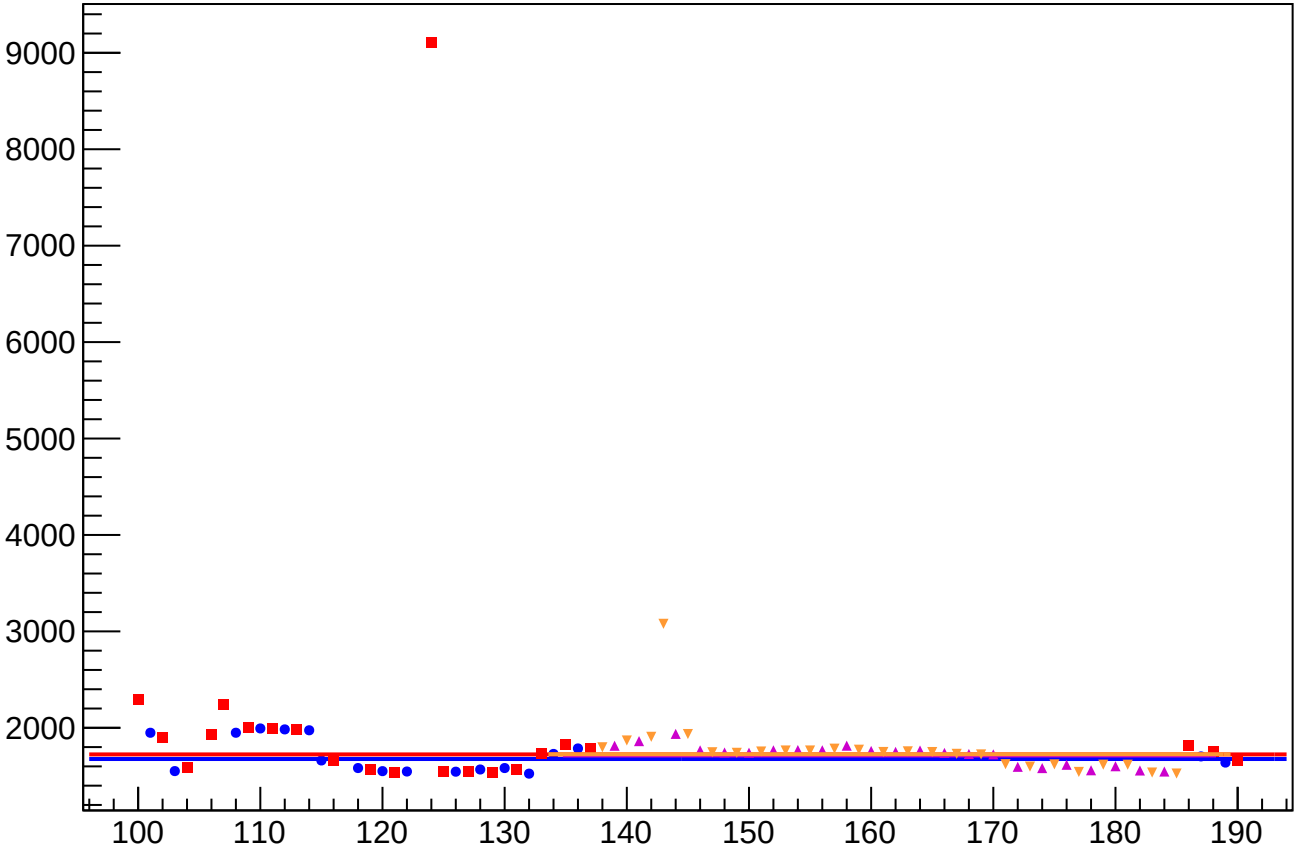
Right: 1617.935+/-415.869 χ^2/NDF: 33.8/39

In: 2087.557+/-332.859 χ^2/NDF:42.3/40

Out: 1052.187+/-325.987 χ^2/NDF:52.6/46

All: 1559.074+/-232.899 χ^2/NDF: 99.9/87

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1724.078+/-0.408 χ^2/NDF: 388639.0/21

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

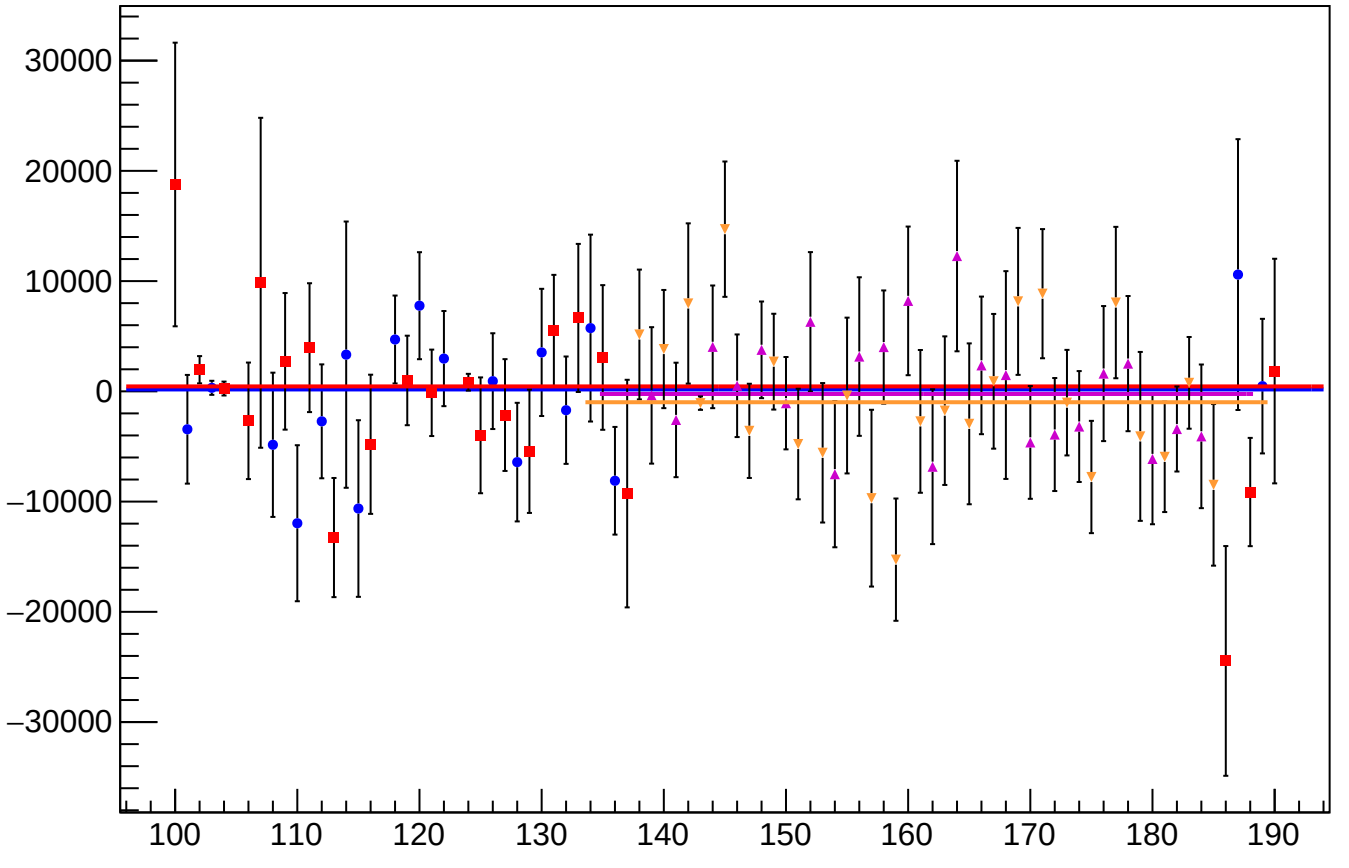
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.059+/-0.294 χ^2/NDF: 537378.4/39

In: 1701.744+/-0.235 χ^2/NDF:276660.7/40

Out: 1725.428+/-0.230 χ^2/NDF:843585.9/46

All: 1713.846+/-0.165 χ^2/NDF: 1125420.4/87



Right In: 172.439+/-576.129 χ^2/NDF: 16.5/17

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 447.747+/-428.233 χ^2/NDF: 26.8/21

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

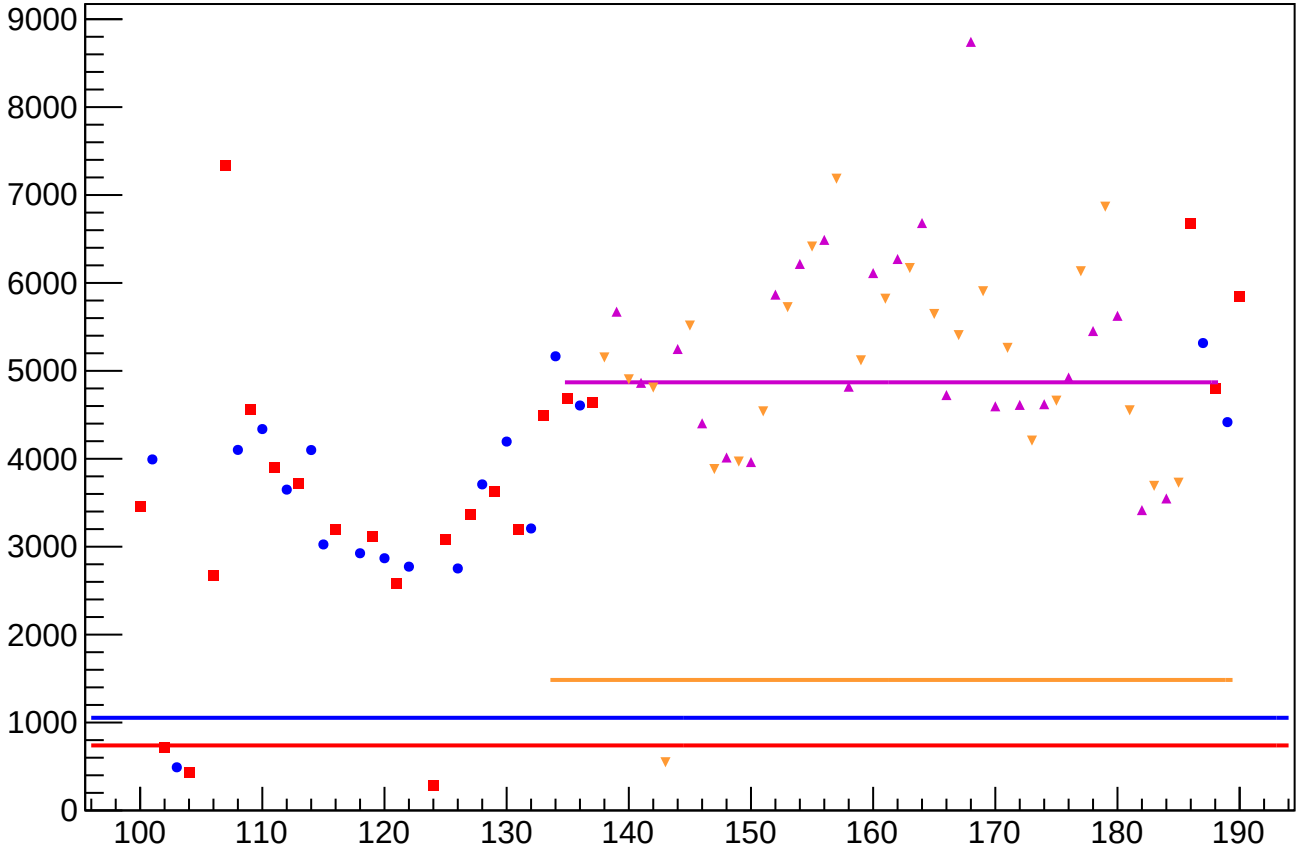
Right: 349.772+/-343.690 χ^2/NDF: 43.5/39

In: 91.501+/-516.434 χ^2/NDF:30.2/40

Out: -104.749+/-335.828 χ^2/NDF:61.9/46

All: -46.425+/-281.536 χ^2/NDF: 92.2/87

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1053.878+/-0.407 χ^2/NDF: 9080505.0/17

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 739.569+/-0.303 χ^2/NDF: 11459434.7/21

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

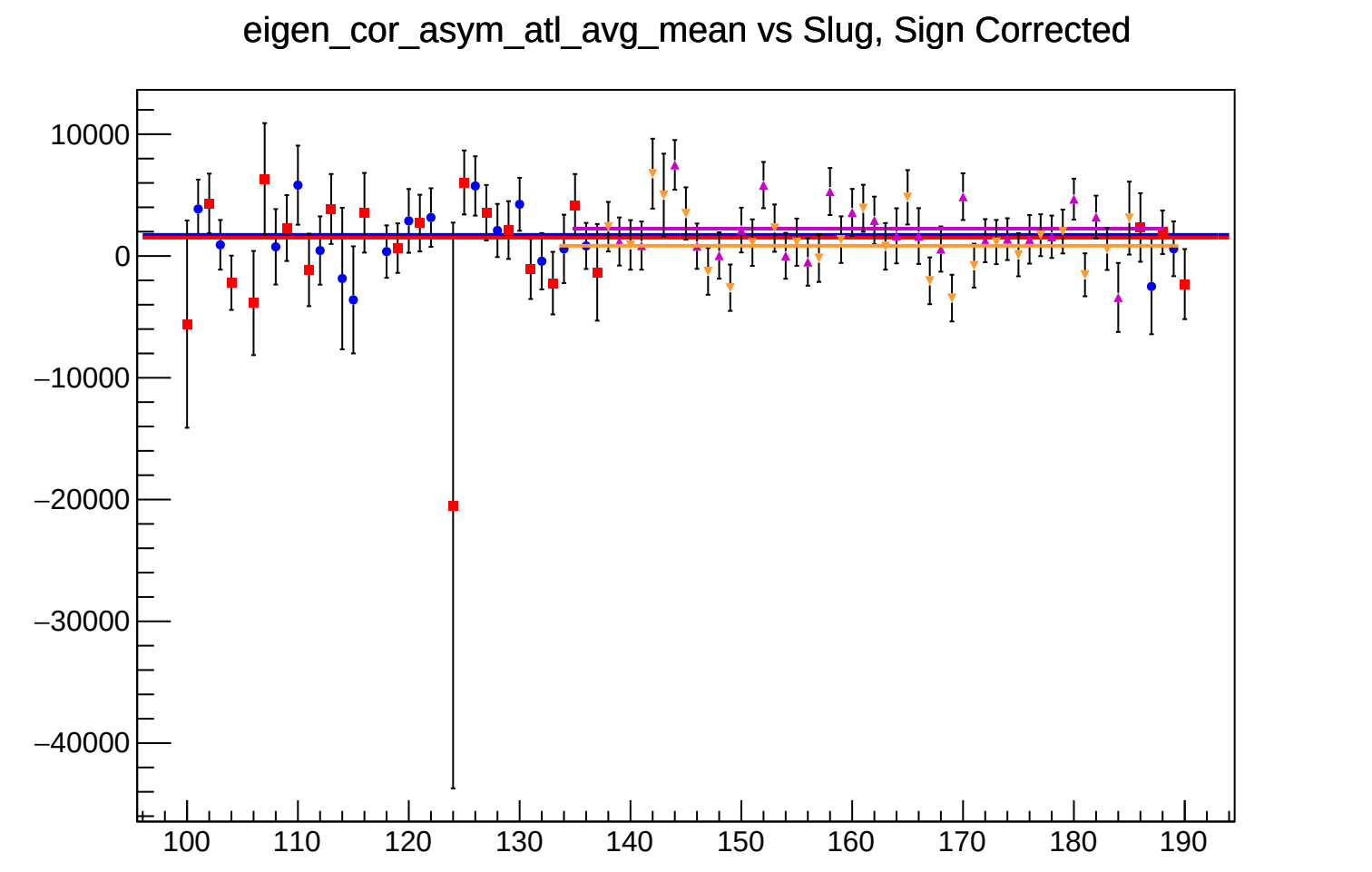
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 851.423+/-0.243 χ^2/NDF: 20923361.7/39

In: 1803.656+/-0.365 χ^2/NDF:27793710.8/40

Out: 1026.365+/-0.237 χ^2/NDF:37014966.3/46

All: 1257.371+/-0.199 χ^2/NDF: 67992898.6/8



Right In: 1737.204+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1506.013+/-578.999 χ^2/NDF: 21.3/21

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

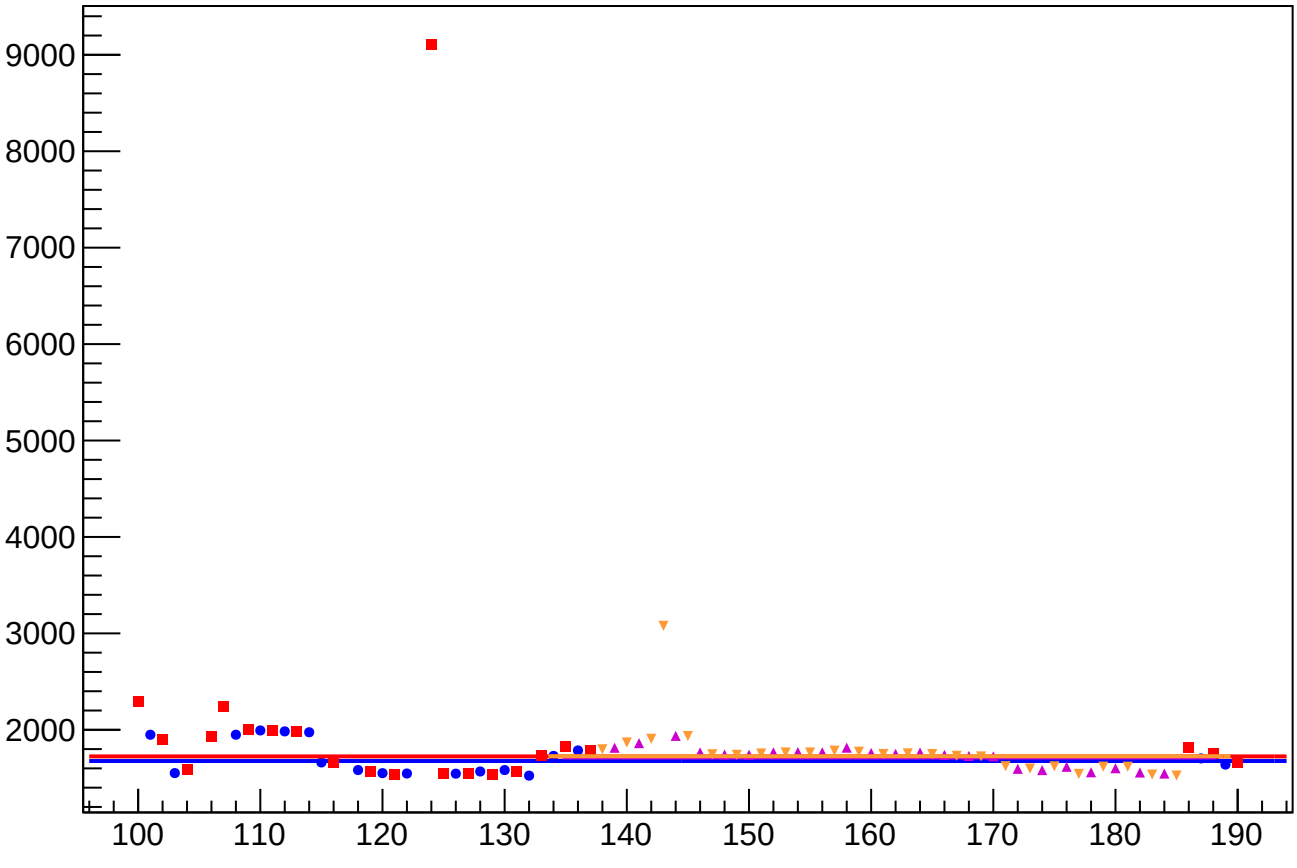
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1617.935+/-415.869 χ^2/NDF: 33.8/39

In: 2087.557+/-332.859 χ^2/NDF:42.3/40

Out: 1052.187+/-325.987 χ^2/NDF:52.6/46

All: 1559.074+/-232.899 χ^2/NDF: 99.9/87



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1724.078+/-0.408 χ^2/NDF: 388639.0/21

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

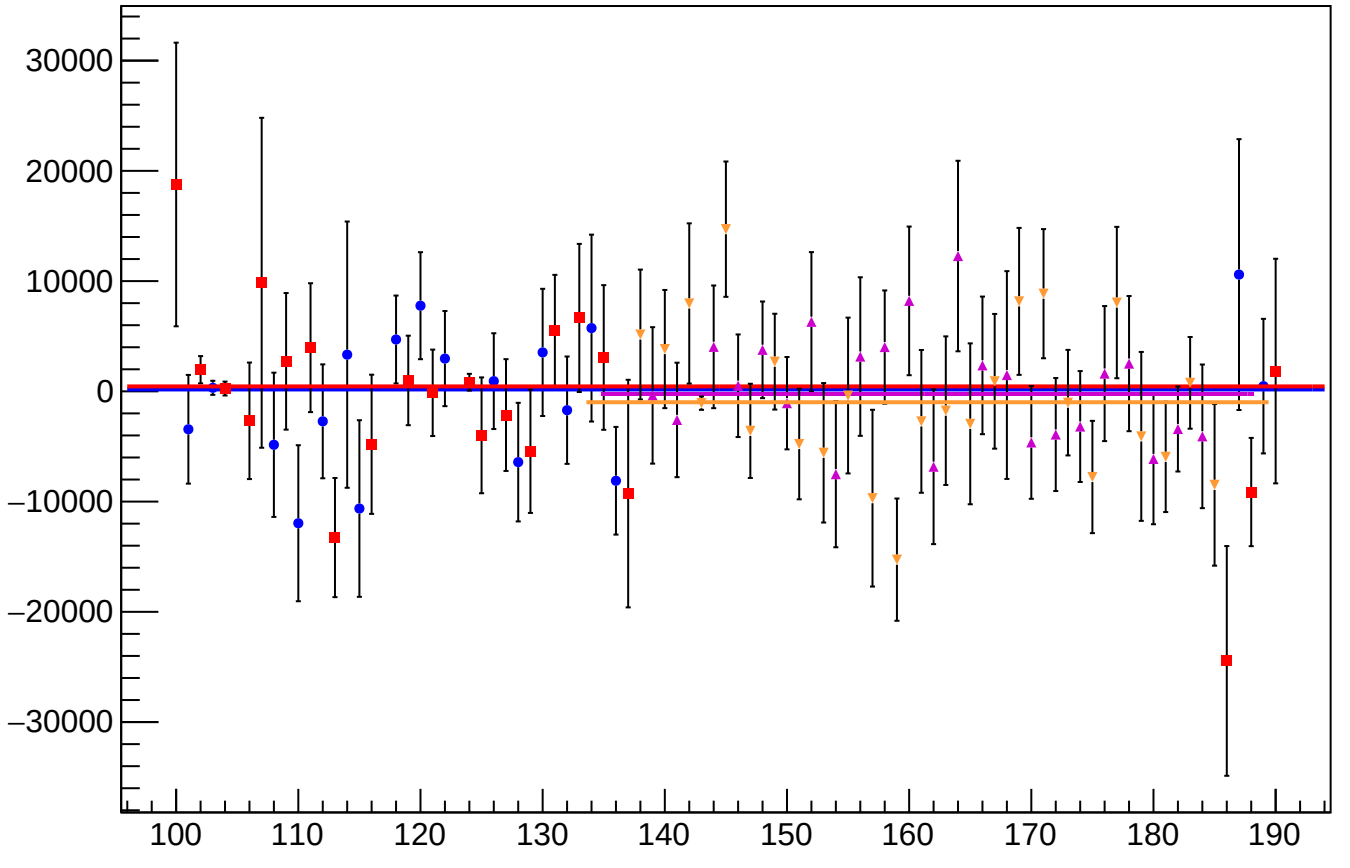
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.059+/-0.294 χ^2/NDF: 537378.4/39

In: 1701.744+/-0.235 χ^2/NDF:276660.7/40

Out: 1725.428+/-0.230 χ^2/NDF:843585.9/46

All: 1713.846+/-0.165 χ^2/NDF: 1125420.4/87



Right In: 172.439+/-576.129 χ^2/NDF: 16.5/17

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 447.747+/-428.233 χ^2/NDF: 26.8/21

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

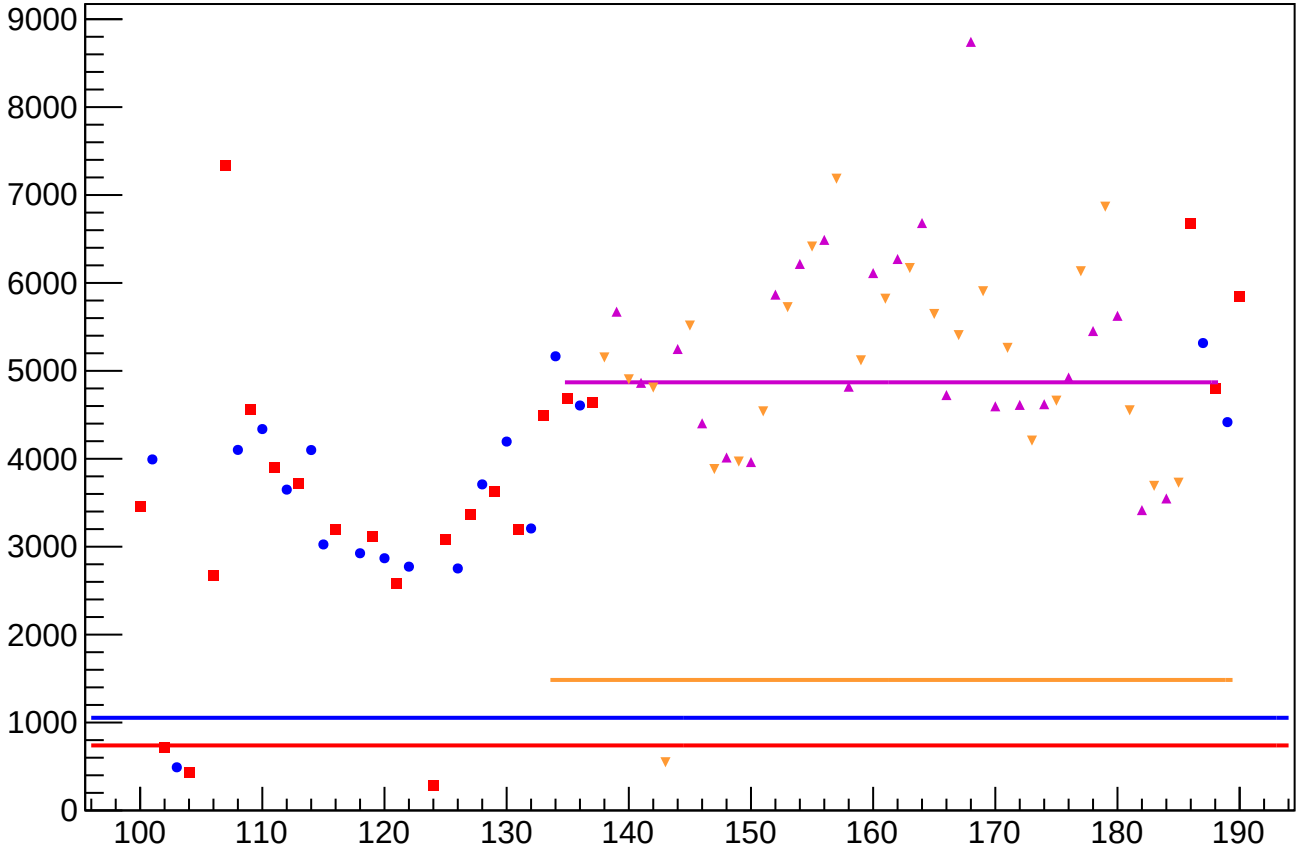
Right: 349.772+/-343.690 χ^2/NDF: 43.5/39

In: 91.501+/-516.434 χ^2/NDF:30.2/40

Out: -104.749+/-335.828 χ^2/NDF:61.9/46

All: -46.425+/-281.536 χ^2/NDF: 92.2/87

asym_atl_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1053.878+/-0.407 χ^2/NDF: 9080505.0/17

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 739.569+/-0.303 χ^2/NDF: 11459434.7/21

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

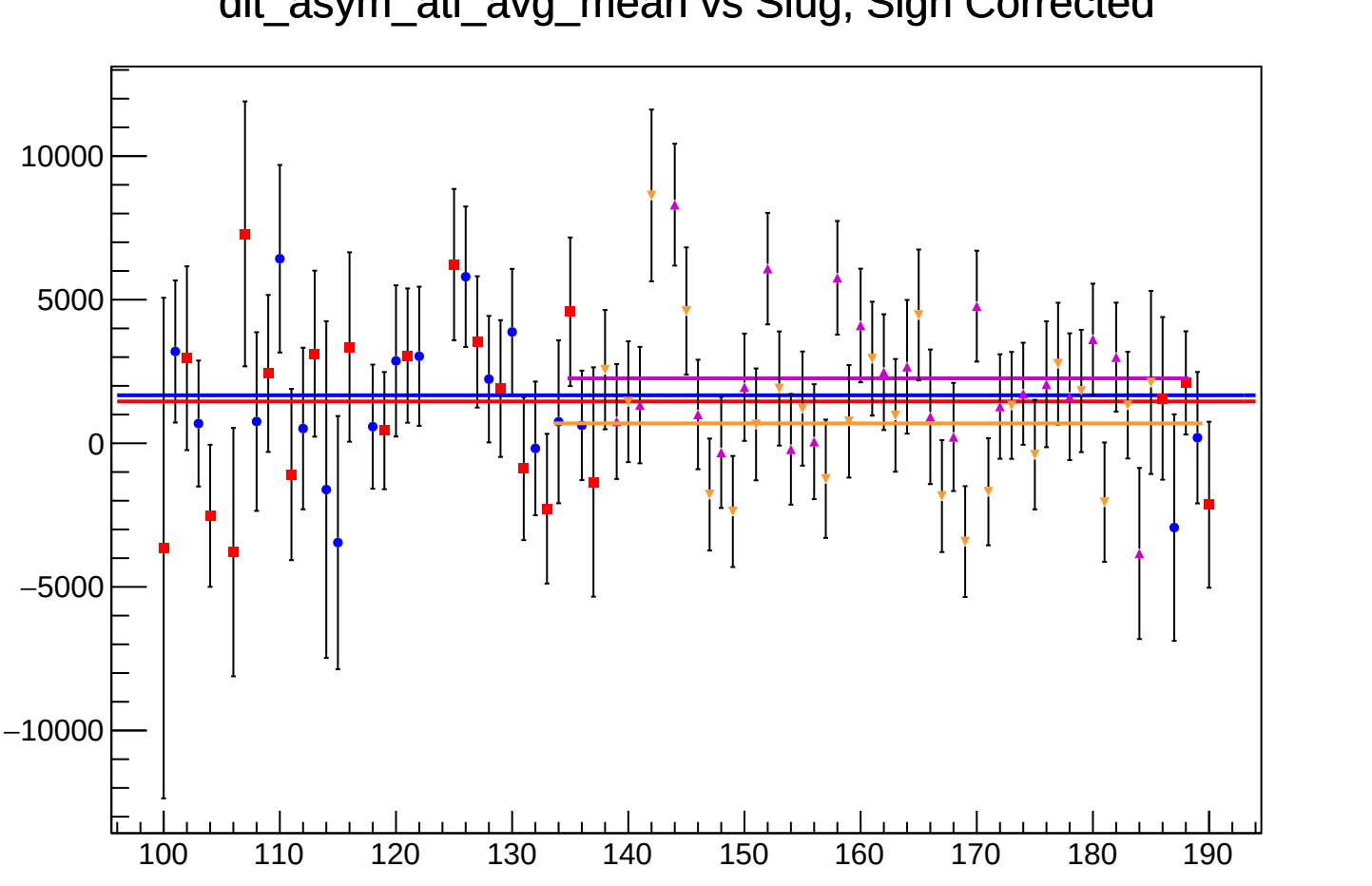
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 851.423+/-0.243 χ^2/NDF: 20923361.7/39

In: 1803.656+/-0.365 χ^2/NDF:27793710.8/40

Out: 1026.365+/-0.237 χ^2/NDF:37014966.3/46

All: 1257.371+/-0.199 χ^2/NDF: 67992898.6/8



Right In: 1671.935+/-605.870 χ^2/NDF: 12.1/17

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1456.234+/-593.109 χ^2/NDF: 19.2/20

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

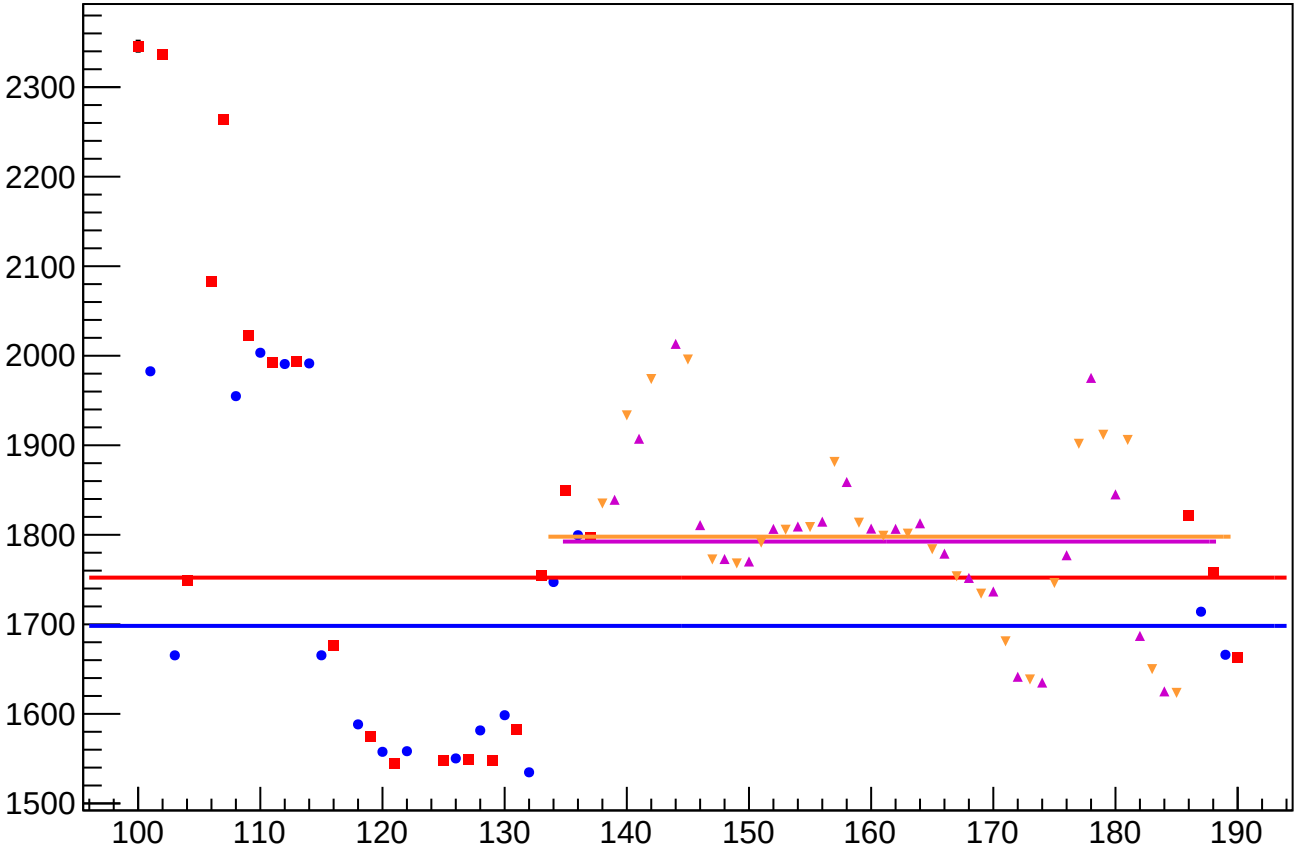
Right: 1561.789+/-423.831 χ^2/NDF: 31.4/38

In: 2070.829+/-344.716 χ^2/NDF:43.2/40

Out: 947.206+/-341.701 χ^2/NDF:52.5/44

All: 1504.081+/-242.678 χ^2/NDF: 101.0/85

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1698.272+/-0.428 χ^2/NDF: 135870.9/17

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1752.190+/-0.419 χ^2/NDF: 251081.6/20

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

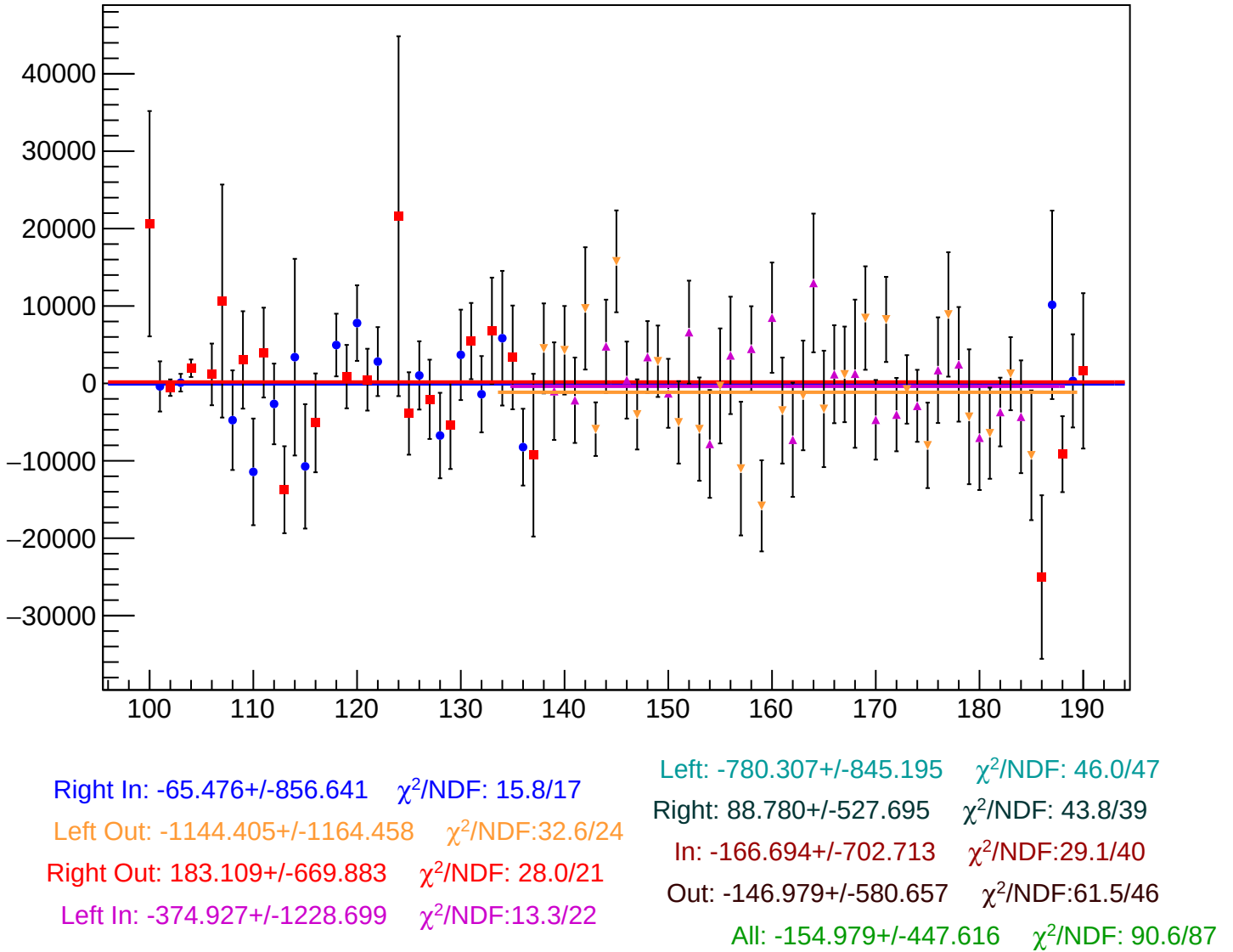
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

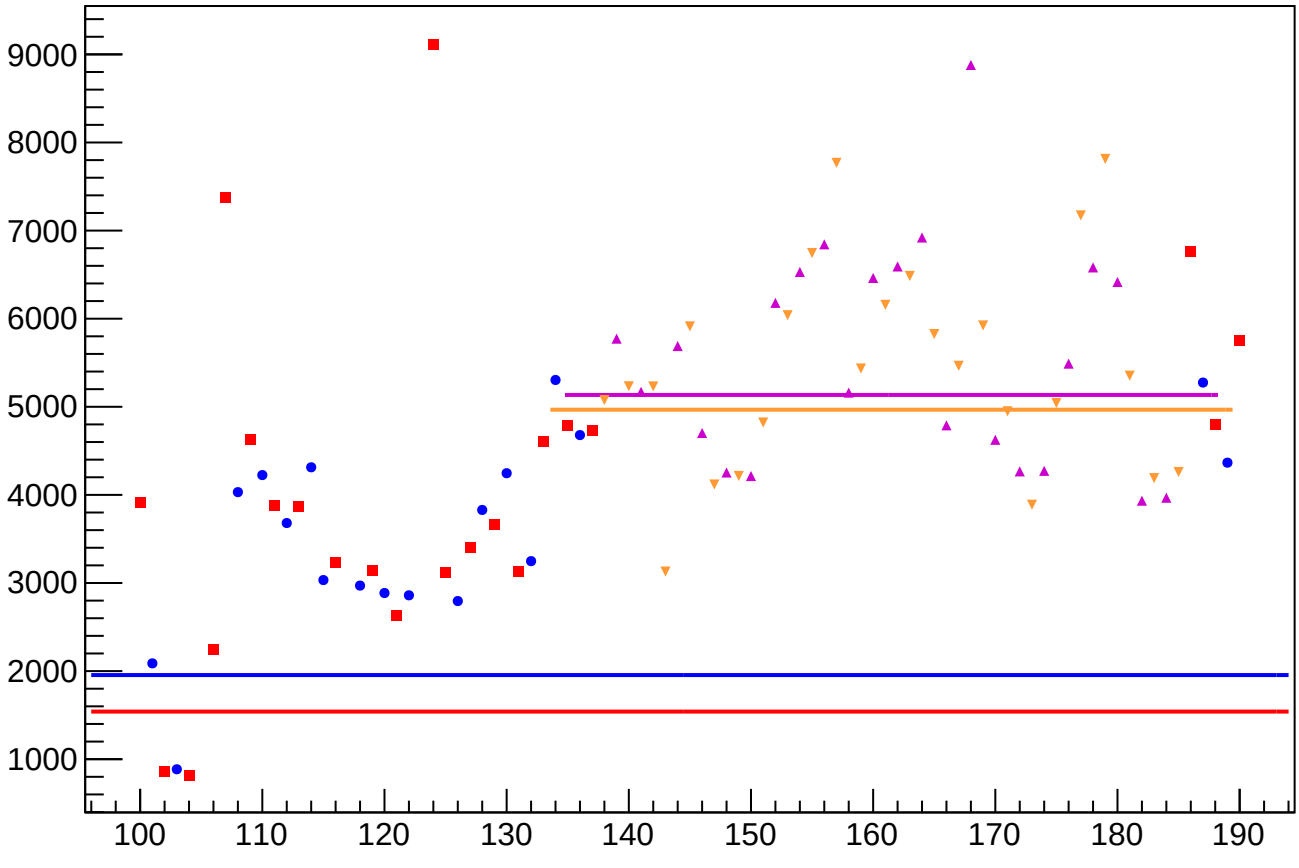
Right: 1725.854+/-0.299 χ^2/NDF: 395055.0/38

In: 1761.963+/-0.244 χ^2/NDF:261427.3/40

Out: 1782.697+/-0.241 χ^2/NDF:357042.8/44

All: 1772.428+/-0.172 χ^2/NDF: 622121.8/85


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -65.476+/-856.641 χ²/NDF: 15.8/17
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: 183.109+/-669.883 χ²/NDF: 28.0/21
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 88.780+/-527.695 χ²/NDF: 43.8/39
In: -166.694+/-702.713 χ²/NDF:29.1/40
Out: -146.979+/-580.657 χ²/NDF:61.5/46
All: -154.979+/-447.616 χ²/NDF: 90.6/87



Right In: 1954.949+/-0.606 χ^2/NDF: 4907147.1/17

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1540.504+/-0.474 χ^2/NDF: 7736331.6/21

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

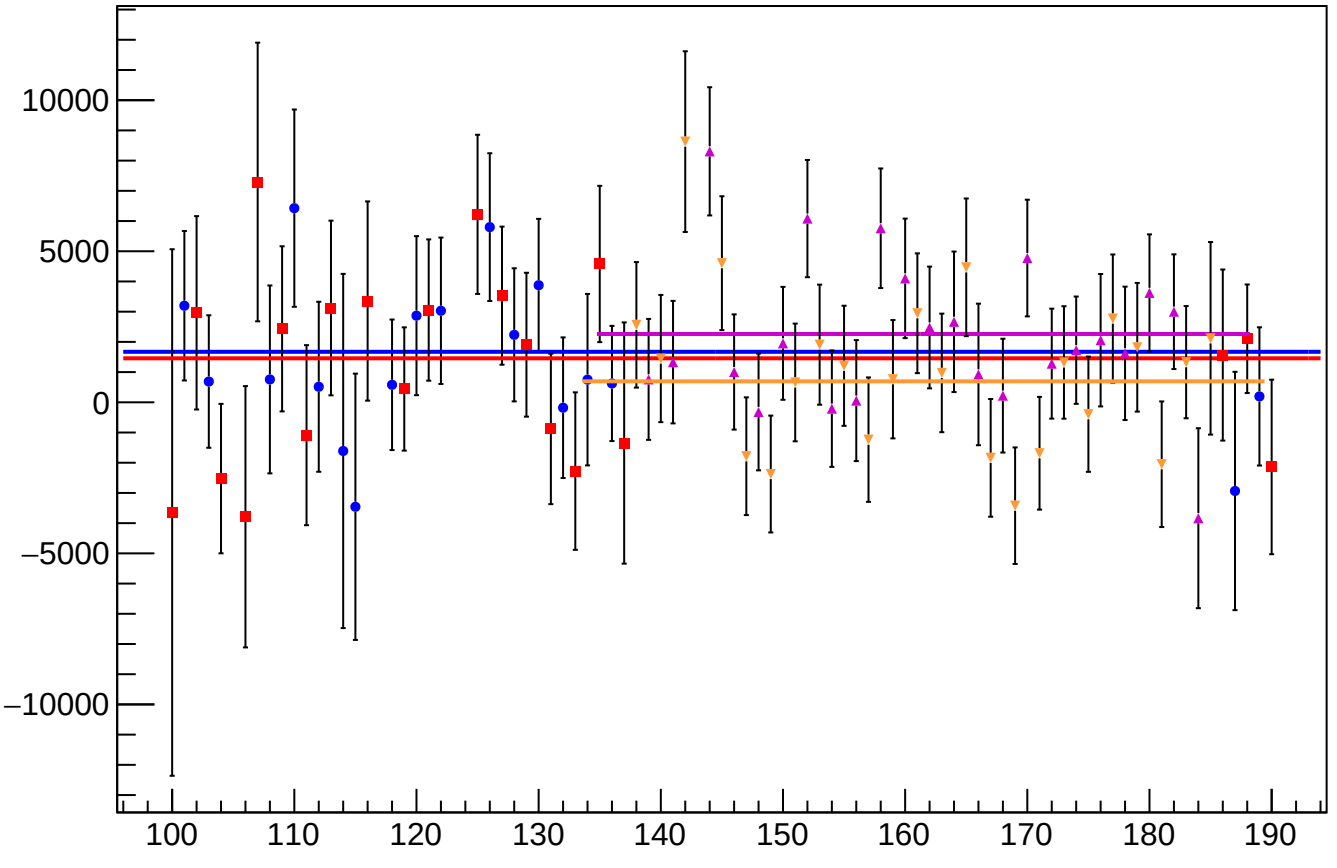
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1697.770+/-0.373 χ^2/NDF: 12933972.0/39

In: 2994.925+/-0.497 χ^2/NDF:15406058.4/40

Out: 2392.477+/-0.411 χ^2/NDF:22664754.6/46

All: 2636.918+/-0.317 χ^2/NDF: 38944357.6/8



Right In: 1671.934+/-605.870 χ^2/NDF: 12.1/17

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1456.232+/-593.109 χ^2/NDF: 19.2/20

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

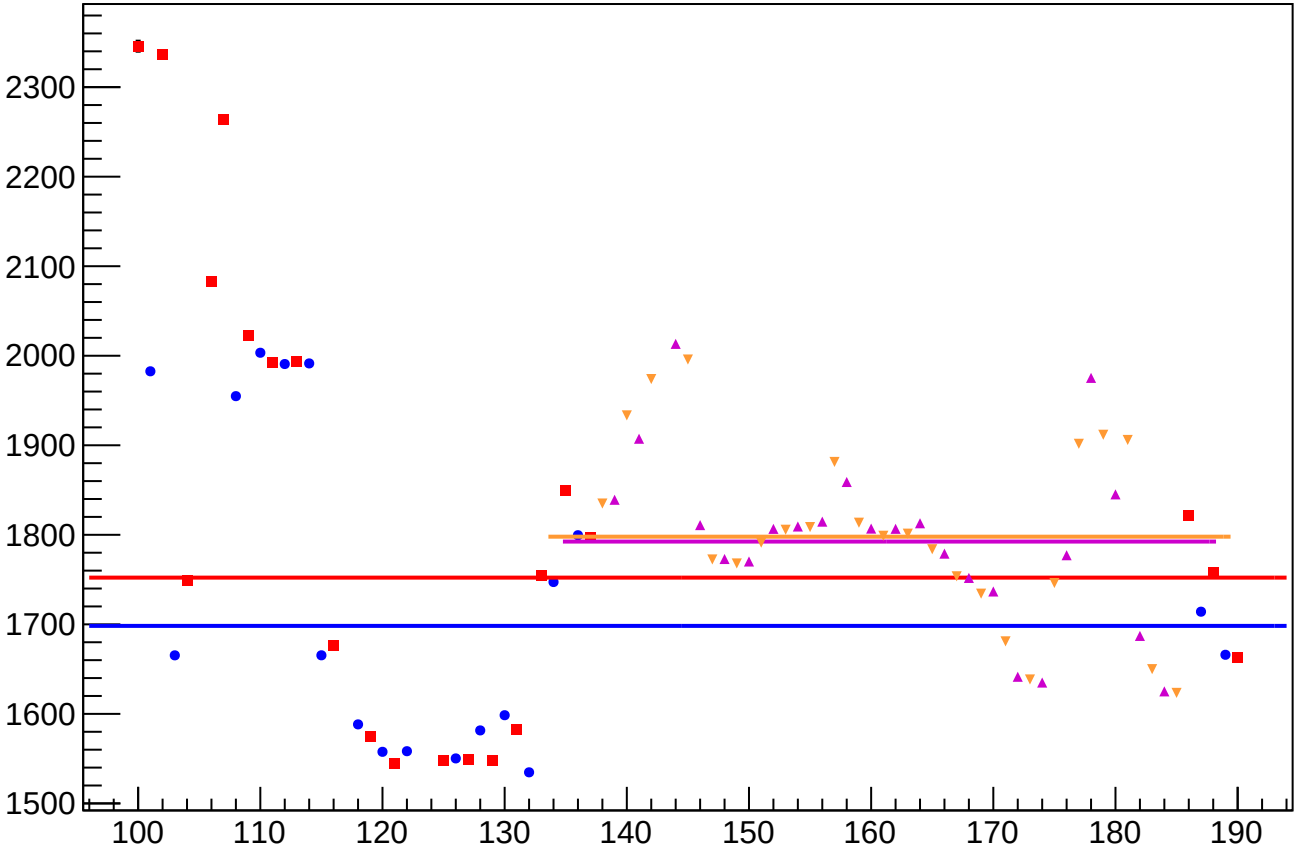
Right: 1561.788+/-423.831 χ^2/NDF: 31.4/38

In: 2070.828+/-344.716 χ^2/NDF:43.2/40

Out: 947.203+/-341.701 χ^2/NDF:52.5/44

All: 1504.080+/-242.678 χ^2/NDF: 101.0/85

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1698.272+/-0.428 χ^2/NDF: 135871.2/17

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1752.189+/-0.419 χ^2/NDF: 251081.0/20

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

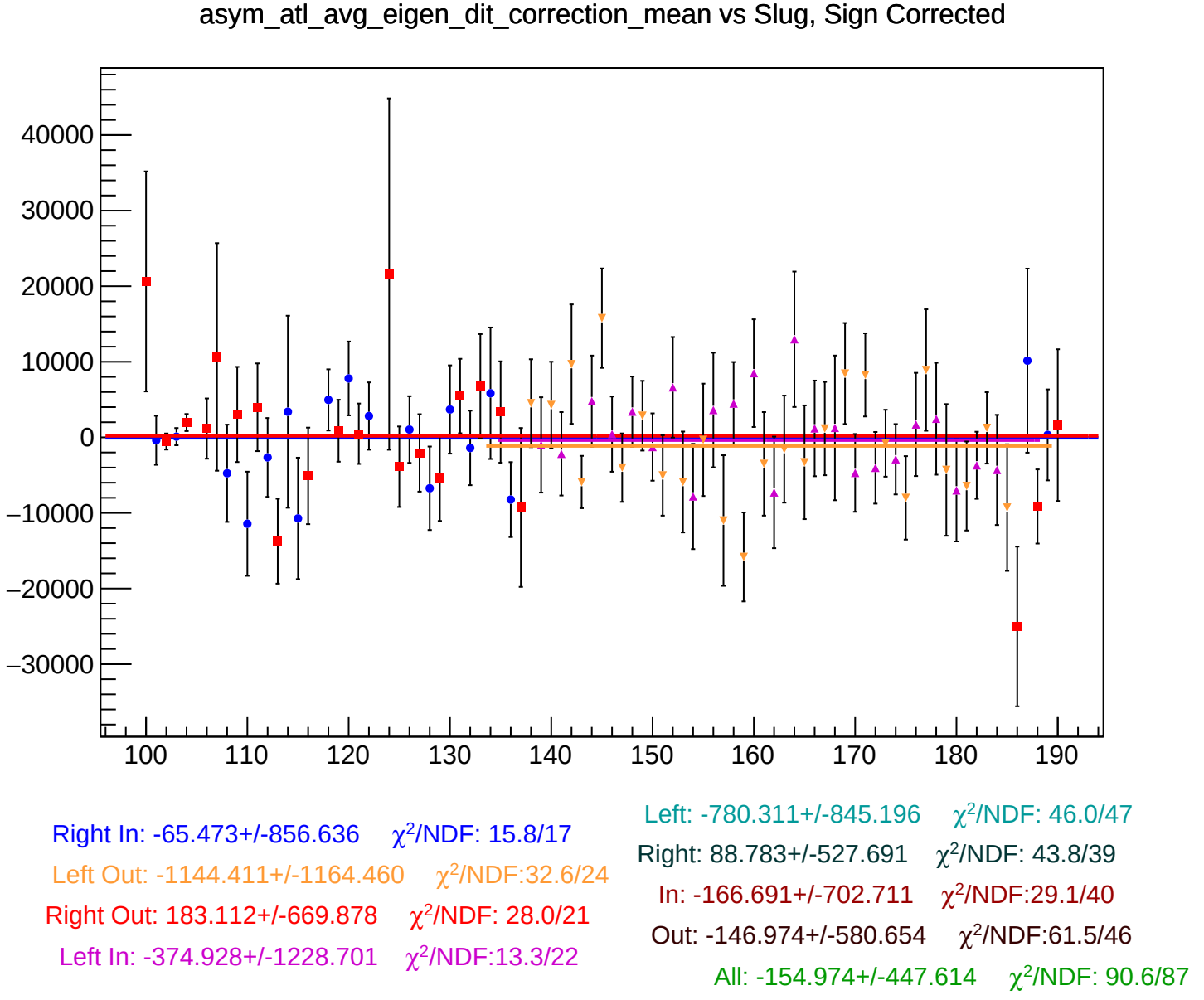
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

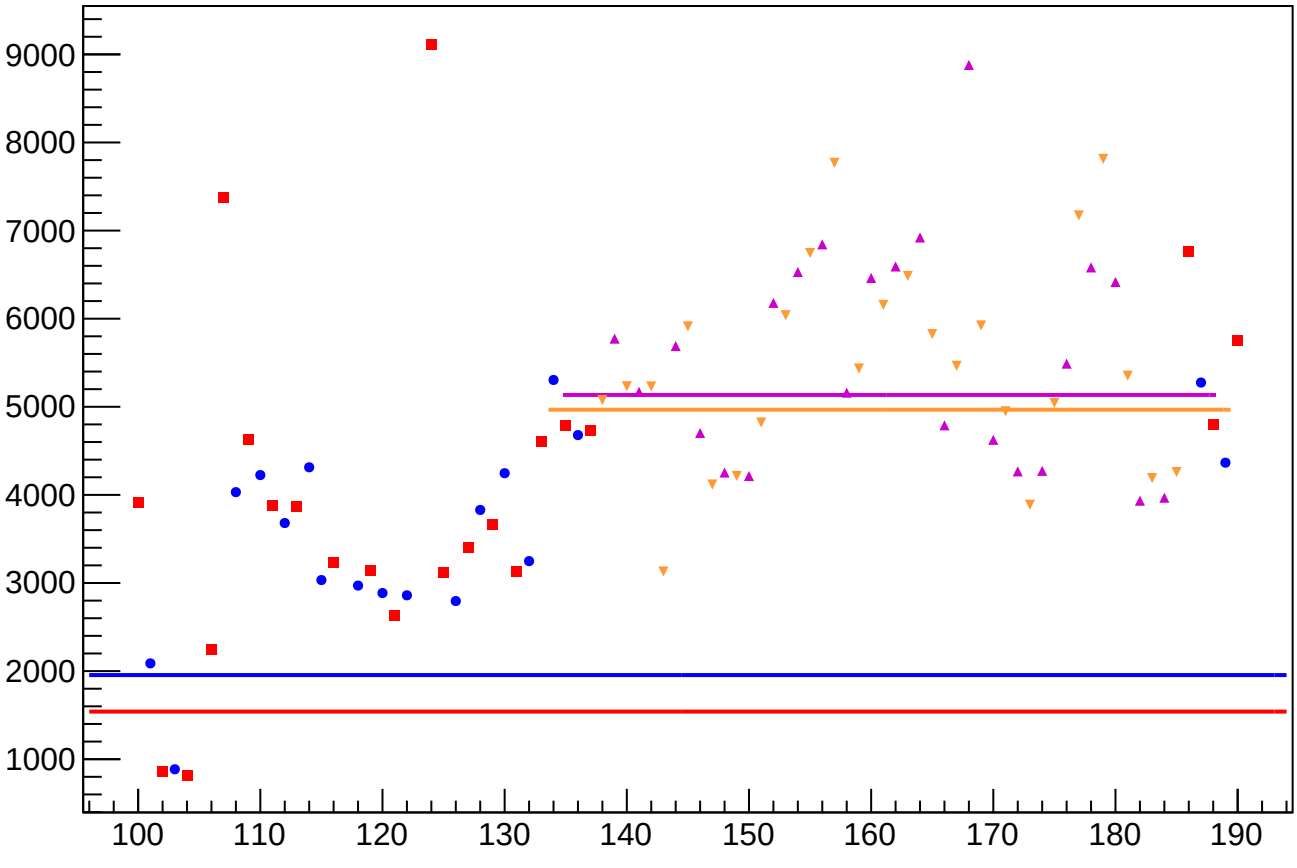
Right: 1725.854+/-0.299 χ^2/NDF: 395054.6/38

In: 1761.964+/-0.244 χ^2/NDF:261431.9/40

Out: 1782.698+/-0.241 χ^2/NDF:357046.2/44

All: 1772.428+/-0.172 χ^2/NDF: 622129.8/85


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -65.473+/-856.636 χ²/NDF: 15.8/17
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 183.112+/-669.878 χ²/NDF: 28.0/21
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 88.783+/-527.691 χ²/NDF: 43.8/39
In: -166.691+/-702.711 χ²/NDF:29.1/40
Out: -146.974+/-580.654 χ²/NDF:61.5/46
All: -154.974+/-447.614 χ²/NDF: 90.6/87



Right In: 1954.933+/-0.606 χ^2/NDF: 4907190.1/17

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1540.489+/-0.474 χ^2/NDF: 7736379.1/21

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

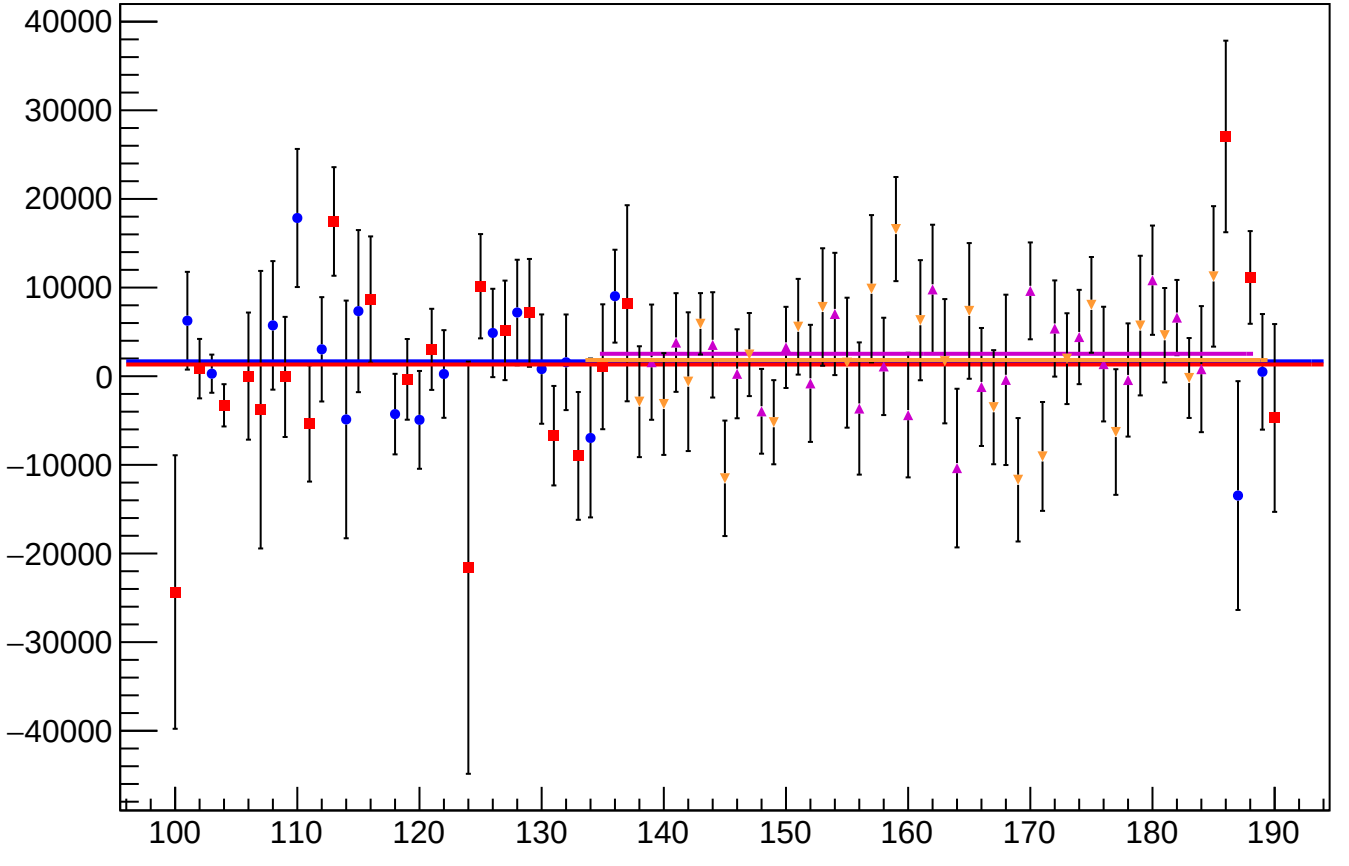
Right: 1697.754+/-0.373 χ^2/NDF: 12934063.4/39

In: 2994.905+/-0.497 χ^2/NDF:15406264.1/40

Out: 2392.456+/-0.411 χ^2/NDF:22664991.8/46

All: 2636.897+/-0.317 χ^2/NDF: 38944809.8/8

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1678.338+/-1230.718 χ^2/NDF: 15.2/17

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1322.939+/-1192.821 χ^2/NDF: 34.6/21

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

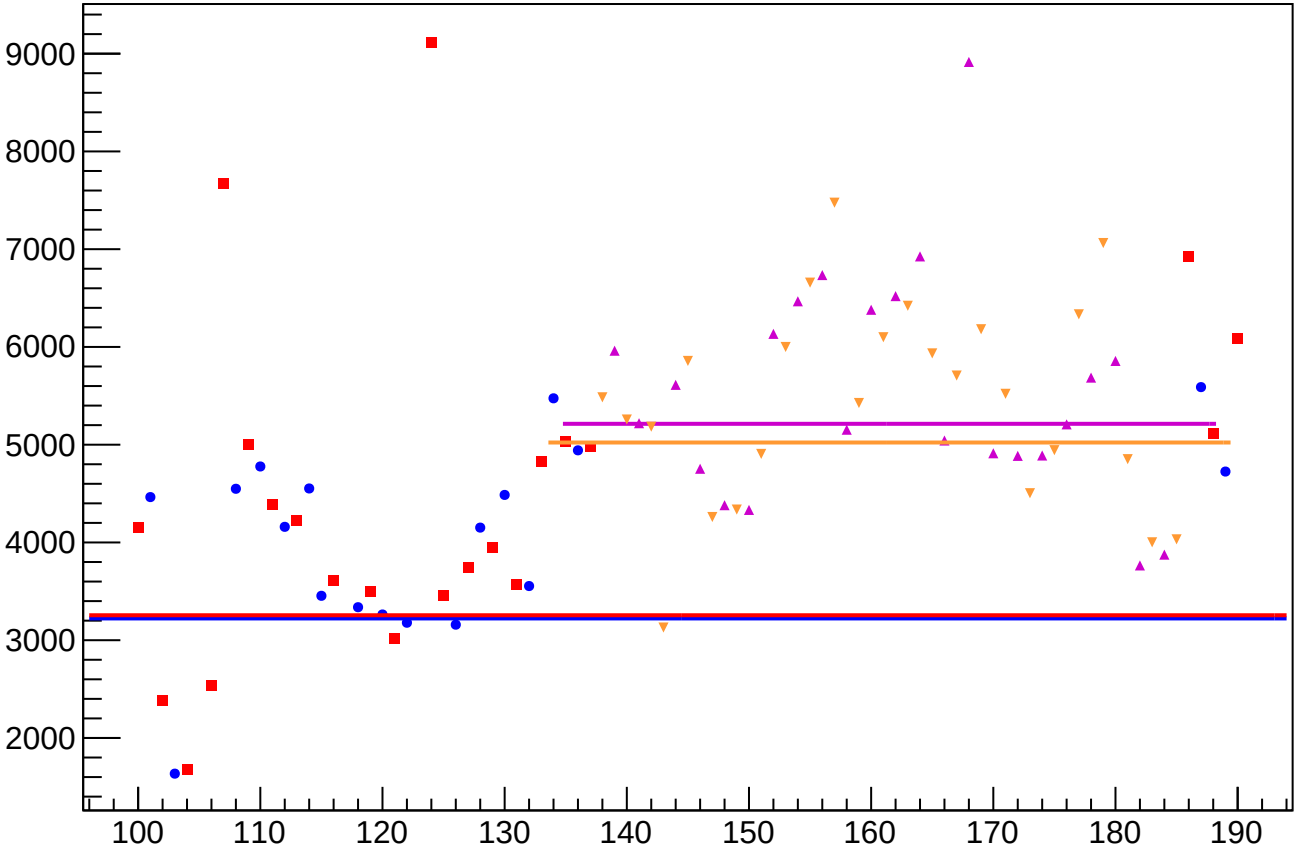
Right: 1495.083+/-856.536 χ^2/NDF: 49.9/39

In: 2100.023+/-874.224 χ^2/NDF:28.7/40

Out: 1578.898+/-836.167 χ^2/NDF:65.8/46

All: 1827.871+/-604.266 χ^2/NDF: 94.6/87

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3222.681+/-0.870 χ^2/NDF: 2064338.5/17

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3255.320+/-0.831 χ^2/NDF: 2554533.4/21

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

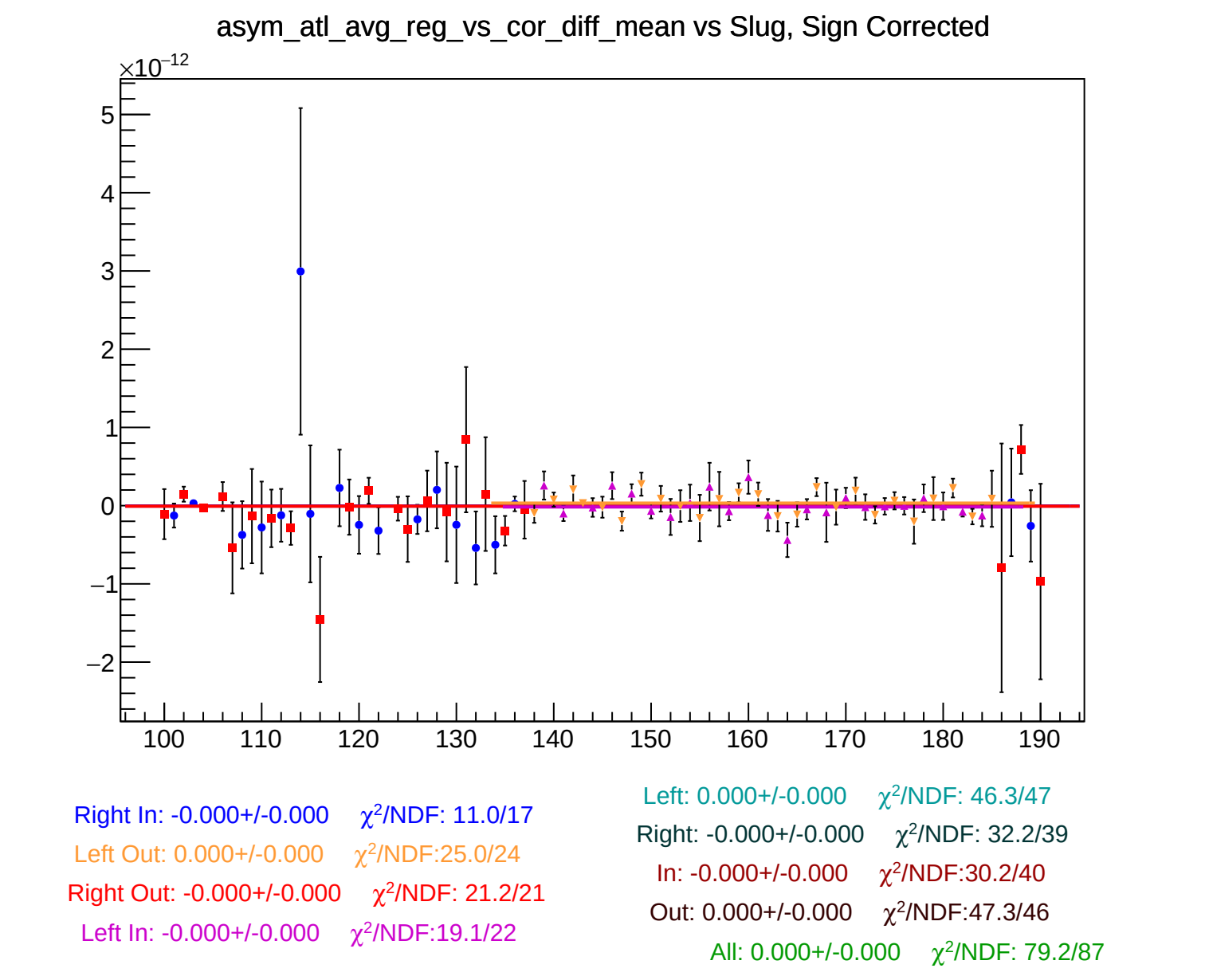
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

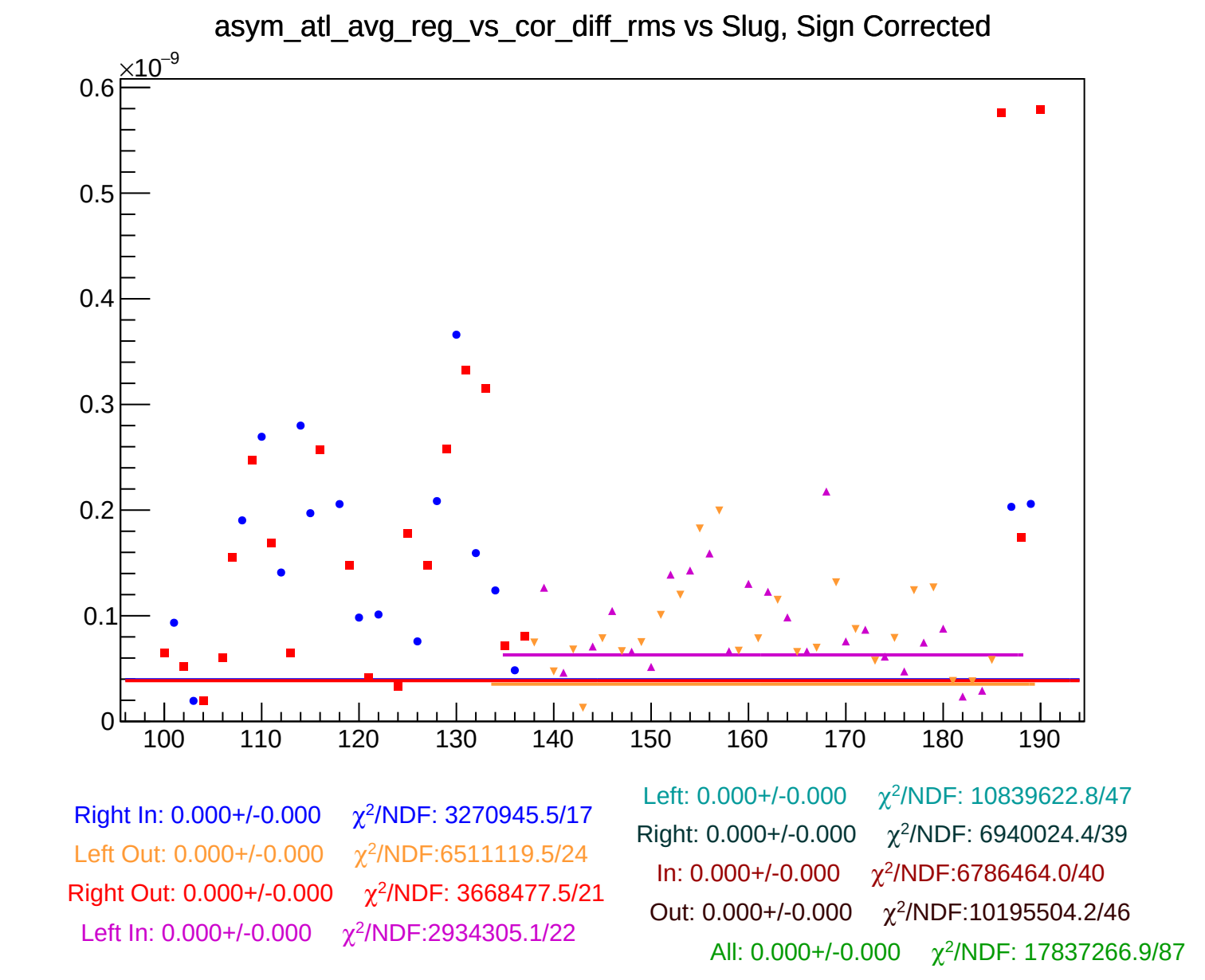
Right: 3239.747+/-0.601 χ^2/NDF: 4619607.4/39

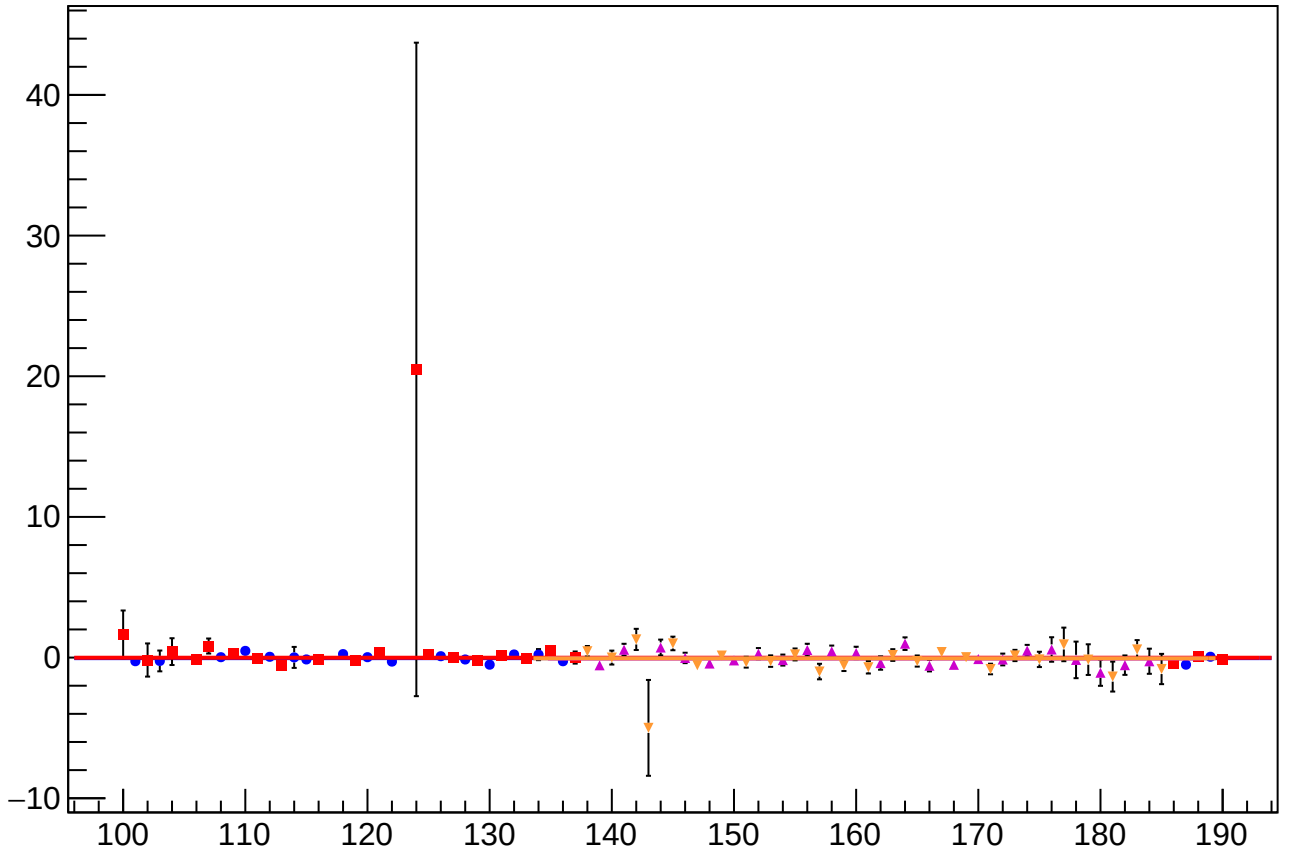
In: 4209.036+/-0.618 χ^2/NDF:5880556.2/40

Out: 4141.238+/-0.587 χ^2/NDF:6496505.8/46

All: 4173.386+/-0.426 χ^2/NDF: 12383386.8/8


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.0/17
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/21
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 32.2/39
In: -0.000+/-0.000 χ²/NDF:30.2/40
Out: 0.000+/-0.000 χ²/NDF:47.3/46
All: 0.000+/-0.000 χ²/NDF: 79.2/87


asym_atl_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3270945.5/17
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3668477.5/21
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
Left: 0.000+/-0.000 χ²/NDF: 10839622.8/47
Right: 0.000+/-0.000 χ²/NDF: 6940024.4/39
In: 0.000+/-0.000 χ²/NDF:6786464.0/40
Out: 0.000+/-0.000 χ²/NDF:10195504.2/46
All: 0.000+/-0.000 χ²/NDF: 17837266.9/87



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.045 χ^2/NDF: 26.7/21

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

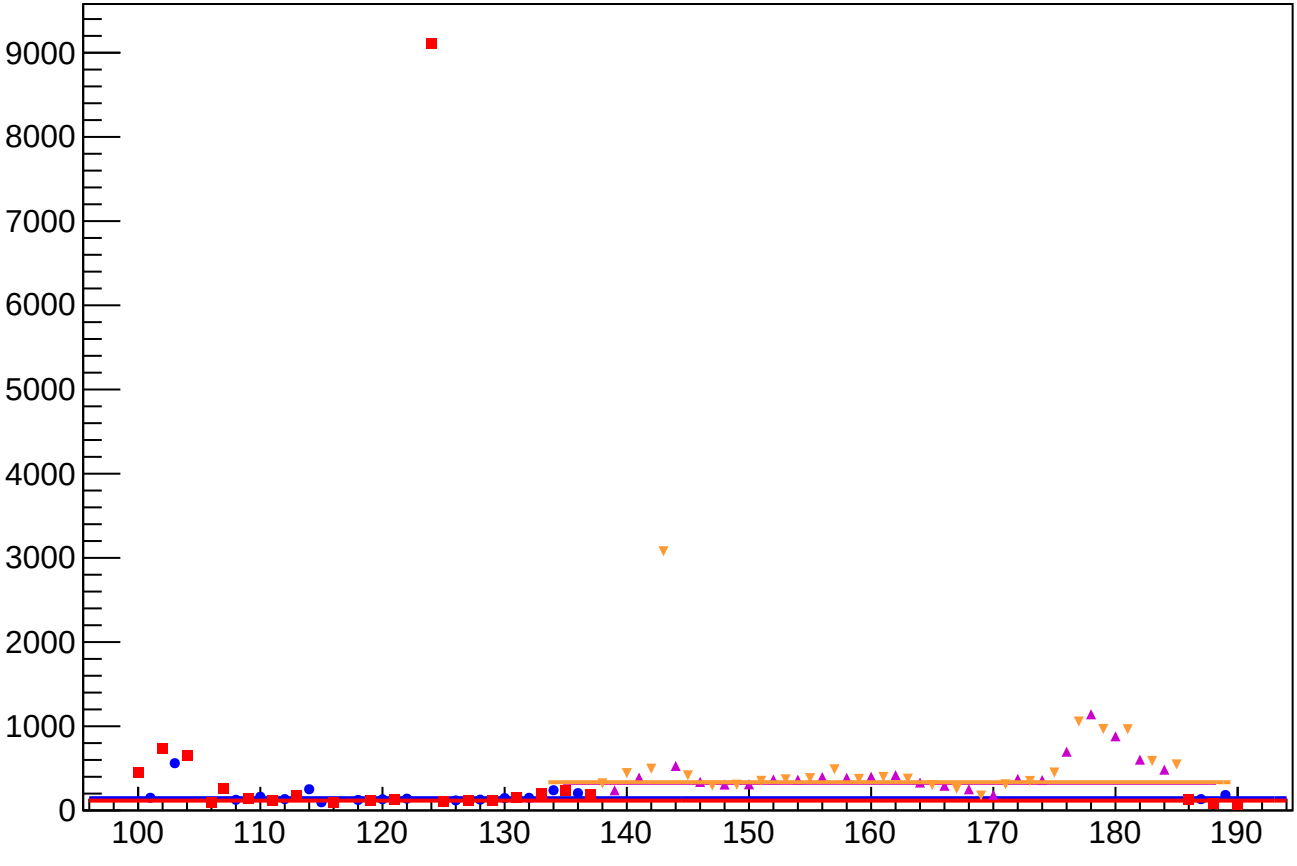
Right: -0.022+/-0.035 χ^2/NDF: 46.4/39

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.020+/-0.040 χ^2/NDF:60.0/46

All: -0.032+/-0.030 χ^2/NDF: 107.8/87

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.601+/-0.039 χ^2/NDF: 1170029.5/17

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 117.012+/-0.032 χ^2/NDF: 2789549.2/21

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

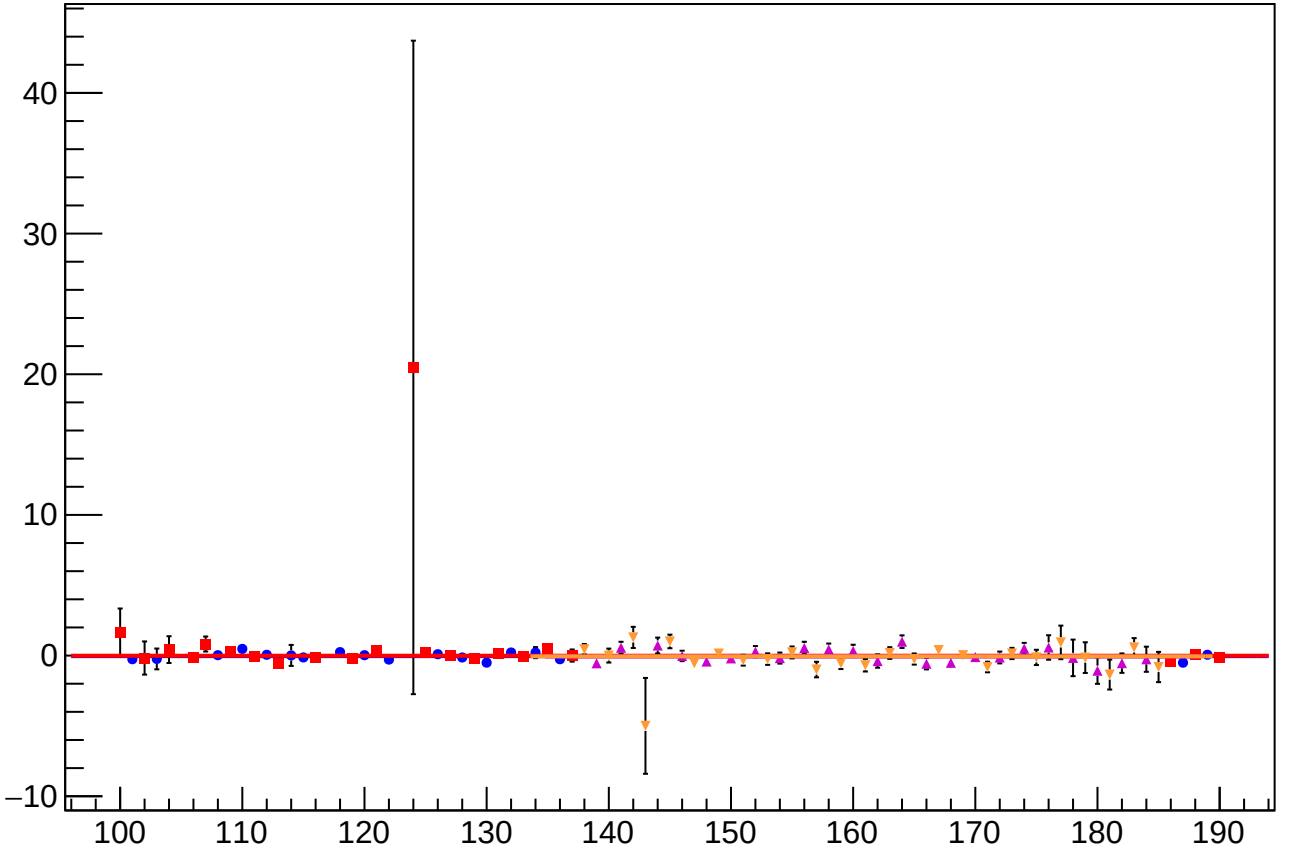
Right: 128.336+/-0.025 χ^2/NDF: 4277298.0/39

In: 202.409+/-0.033 χ^2/NDF:11977174.3/40

Out: 165.354+/-0.028 χ^2/NDF:18991127.1/46

All: 181.141+/-0.021 χ^2/NDF: 31705807.6/87

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.045 χ^2/NDF: 26.7/21

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

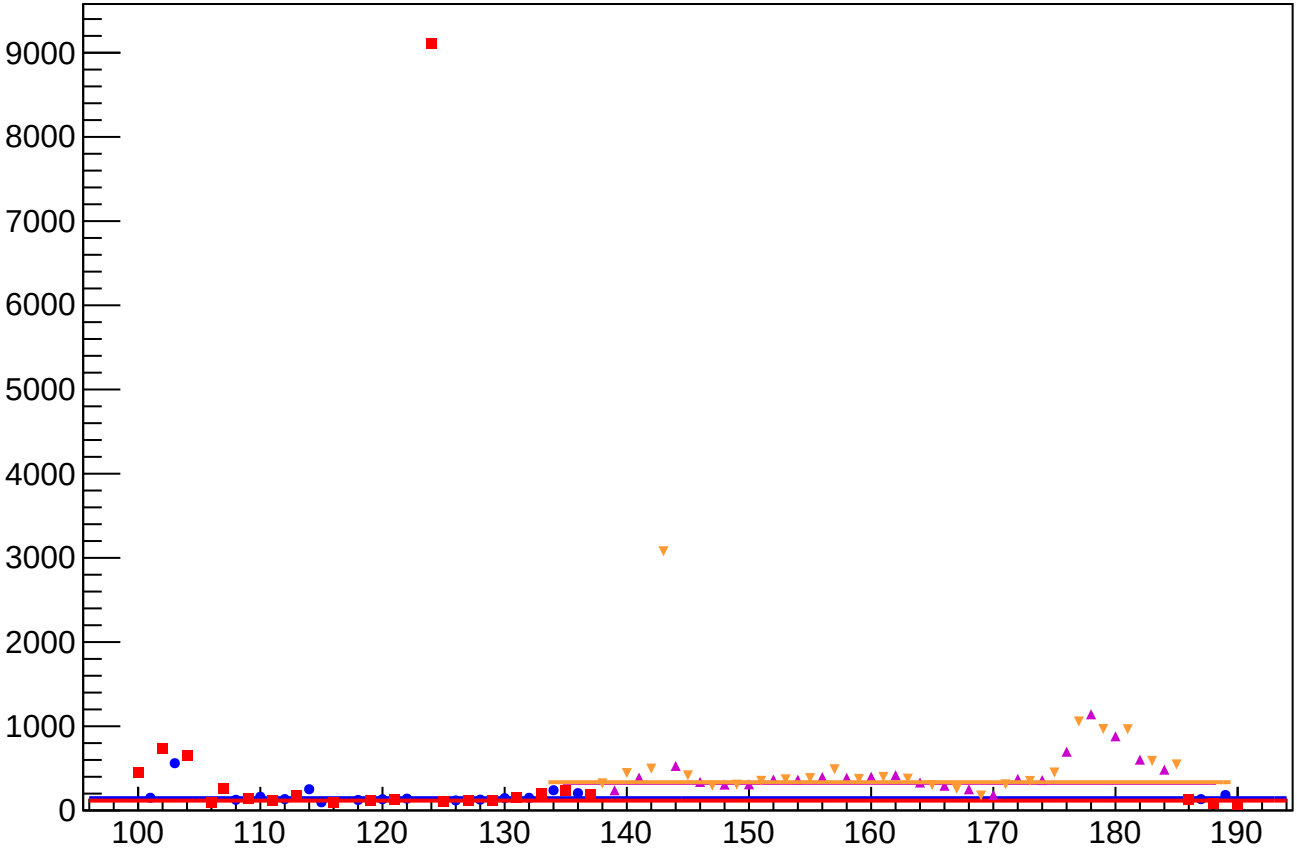
Right: -0.022+/-0.035 χ^2/NDF: 46.4/39

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.020+/-0.040 χ^2/NDF:60.0/46

All: -0.032+/-0.030 χ^2/NDF: 107.8/87

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.601+/-0.039 χ^2/NDF: 1170029.5/17

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 117.012+/-0.032 χ^2/NDF: 2789549.2/21

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

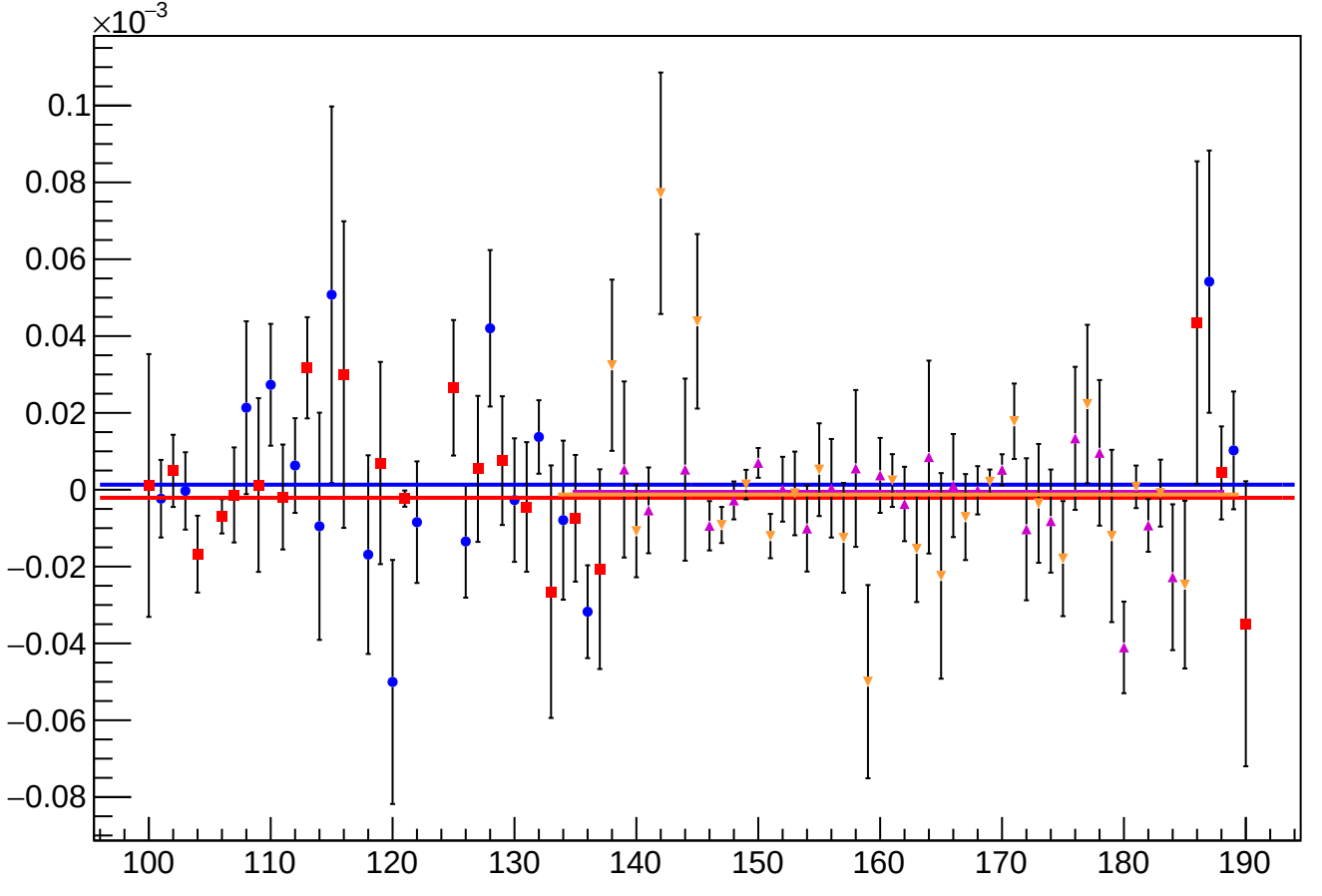
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 128.336+/-0.025 χ^2/NDF: 4277298.0/39

In: 202.409+/-0.033 χ^2/NDF:11977174.3/40

Out: 165.354+/-0.028 χ^2/NDF:18991127.1/46

All: 181.141+/-0.021 χ^2/NDF: 31705807.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/20

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

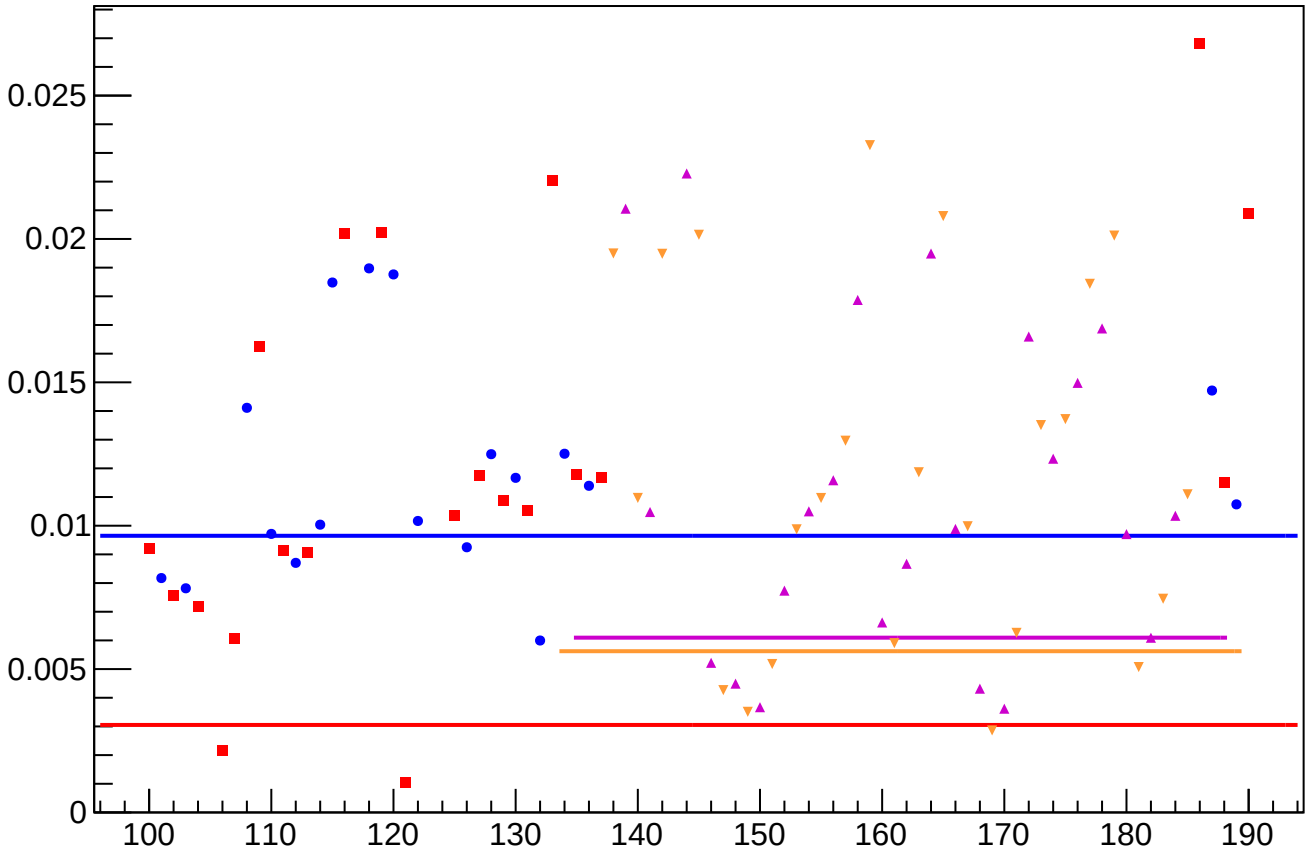
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 44.2/38

In: -0.000+/-0.000 χ^2/NDF:51.3/40

Out: -0.000+/-0.000 χ^2/NDF:53.7/44

All: -0.000+/-0.000 χ^2/NDF: 105.6/85



Right In: 0.010+/-0.000 χ^2/NDF: 1189464.0/17

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10687556.4/20

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

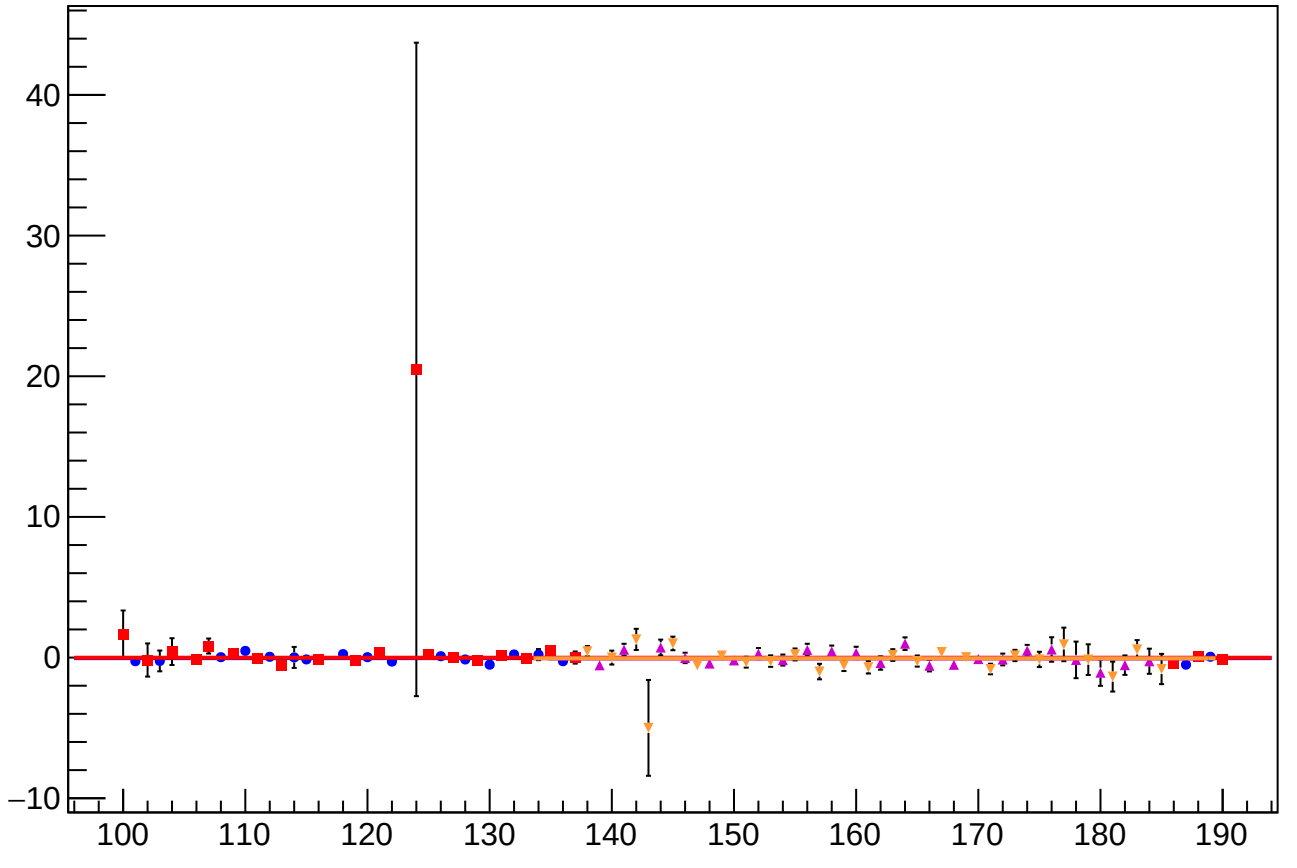
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.004+/-0.000 χ^2/NDF: 17326571.1/38

In: 0.007+/-0.000 χ^2/NDF:11559399.4/40

Out: 0.004+/-0.000 χ^2/NDF:24274305.3/44

All: 0.005+/-0.000 χ^2/NDF: 38748303.8/85



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.045 χ^2/NDF: 26.7/21

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

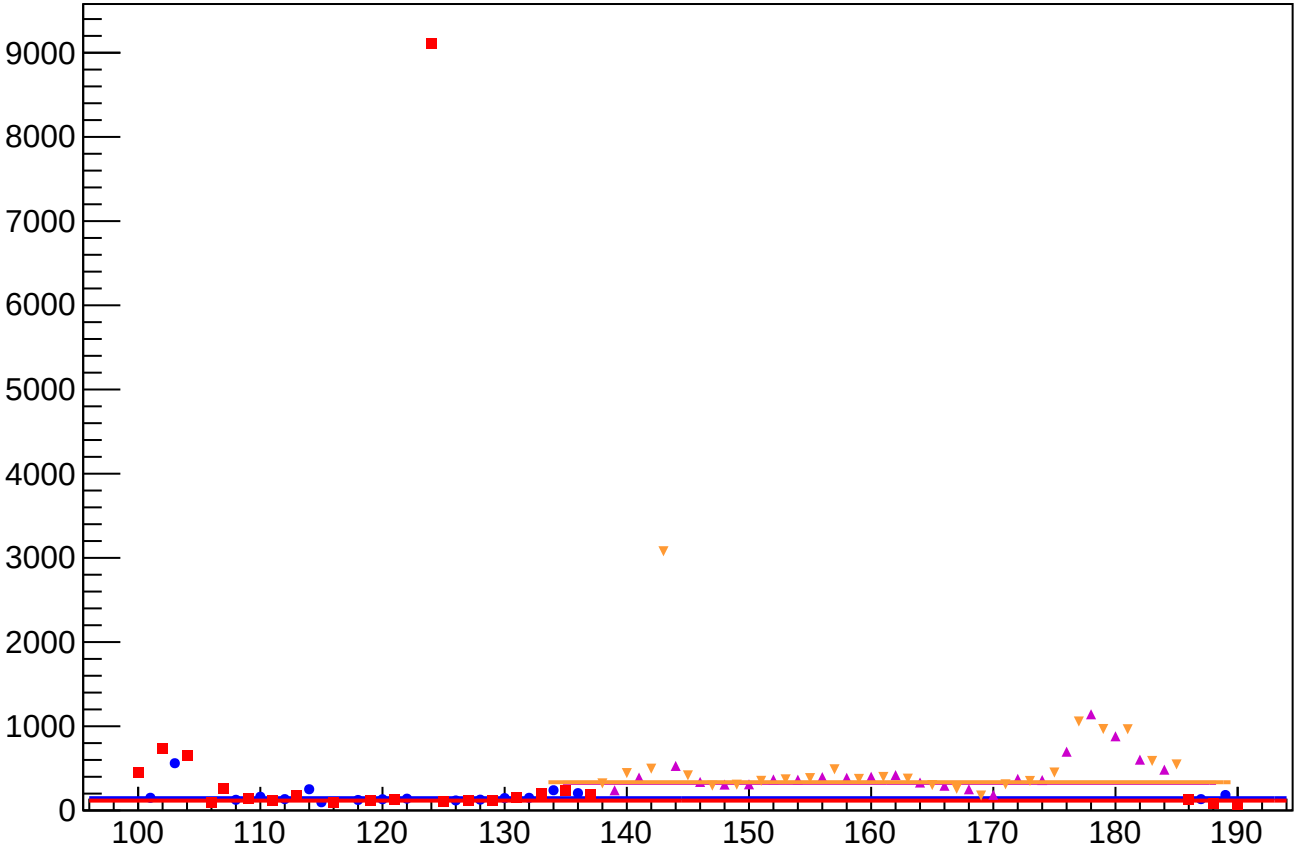
Right: -0.022+/-0.035 χ^2/NDF: 46.4/39

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.020+/-0.040 χ^2/NDF:60.0/46

All: -0.032+/-0.030 χ^2/NDF: 107.8/87

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.600+/-0.039 χ^2/NDF: 1170064.4/17

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 117.009+/-0.032 χ^2/NDF: 2789509.0/21

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

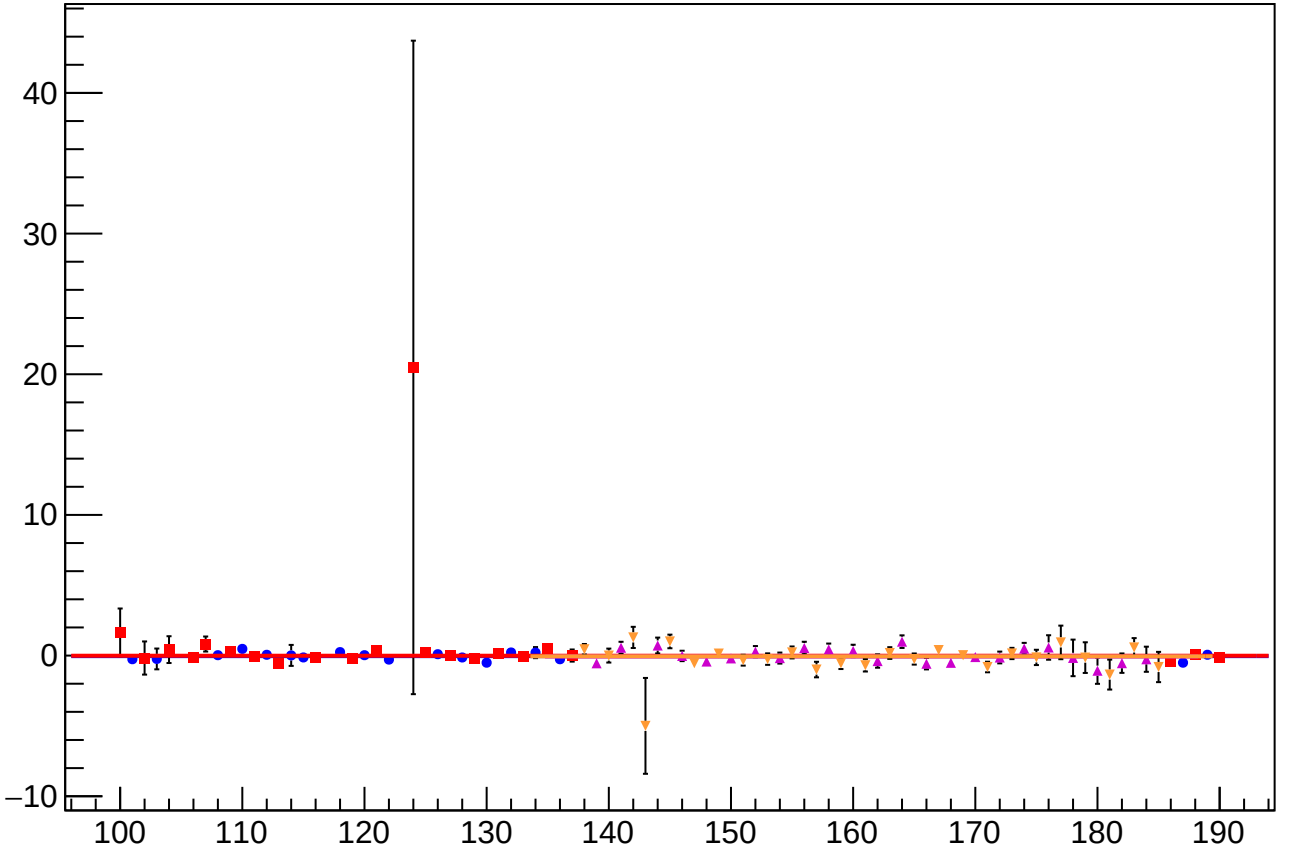
Right: 128.334+/-0.025 χ^2/NDF: 4277324.9/39

In: 202.408+/-0.033 χ^2/NDF:11977440.8/40

Out: 165.351+/-0.028 χ^2/NDF:18991521.6/46

All: 181.139+/-0.021 χ^2/NDF: 31706556.8/87

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.011+/-0.045 χ^2/NDF: 26.7/21

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

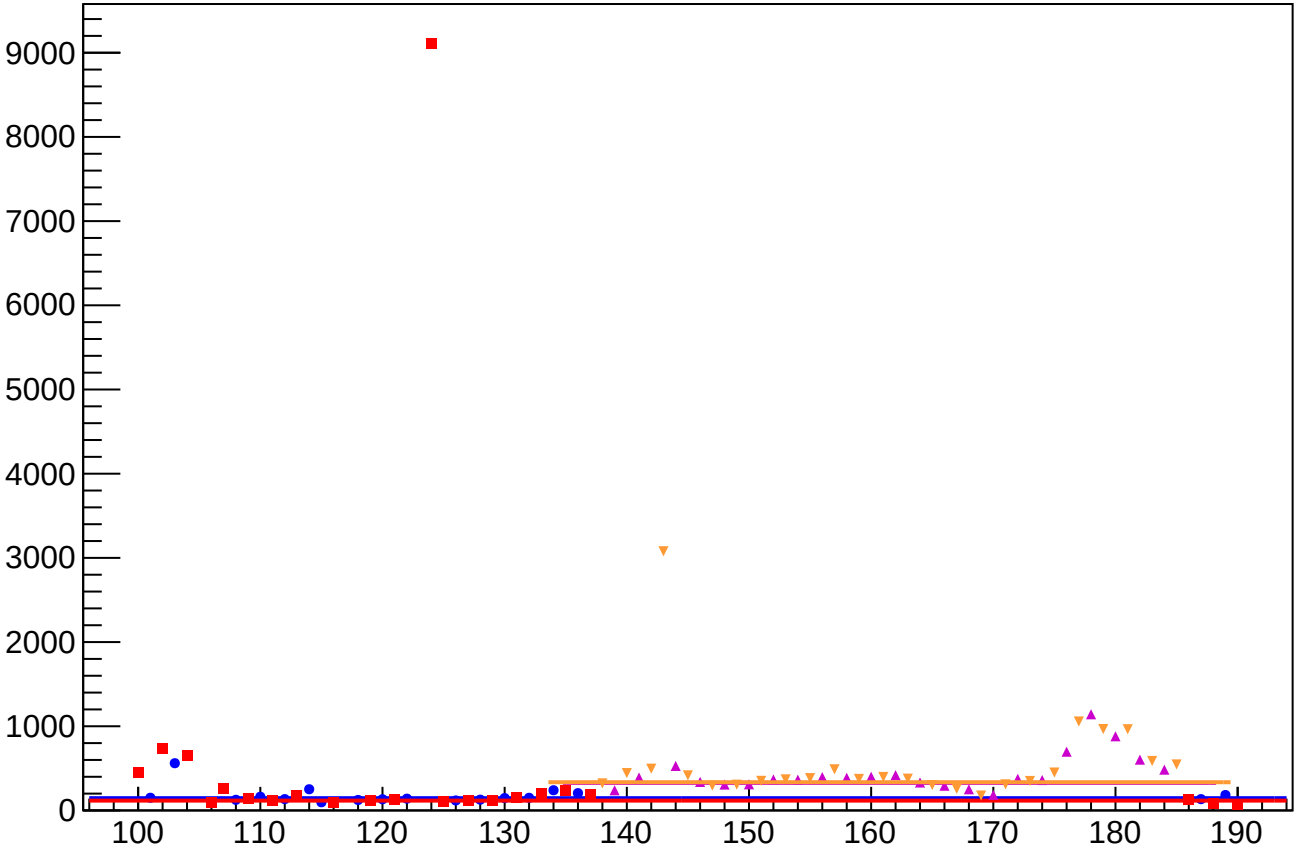
Right: -0.022+/-0.035 χ^2/NDF: 46.4/39

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.020+/-0.040 χ^2/NDF:60.0/46

All: -0.032+/-0.030 χ^2/NDF: 107.8/87

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.600+/-0.039 χ^2/NDF: 1170064.4/17

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 117.009+/-0.032 χ^2/NDF: 2789509.0/21

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

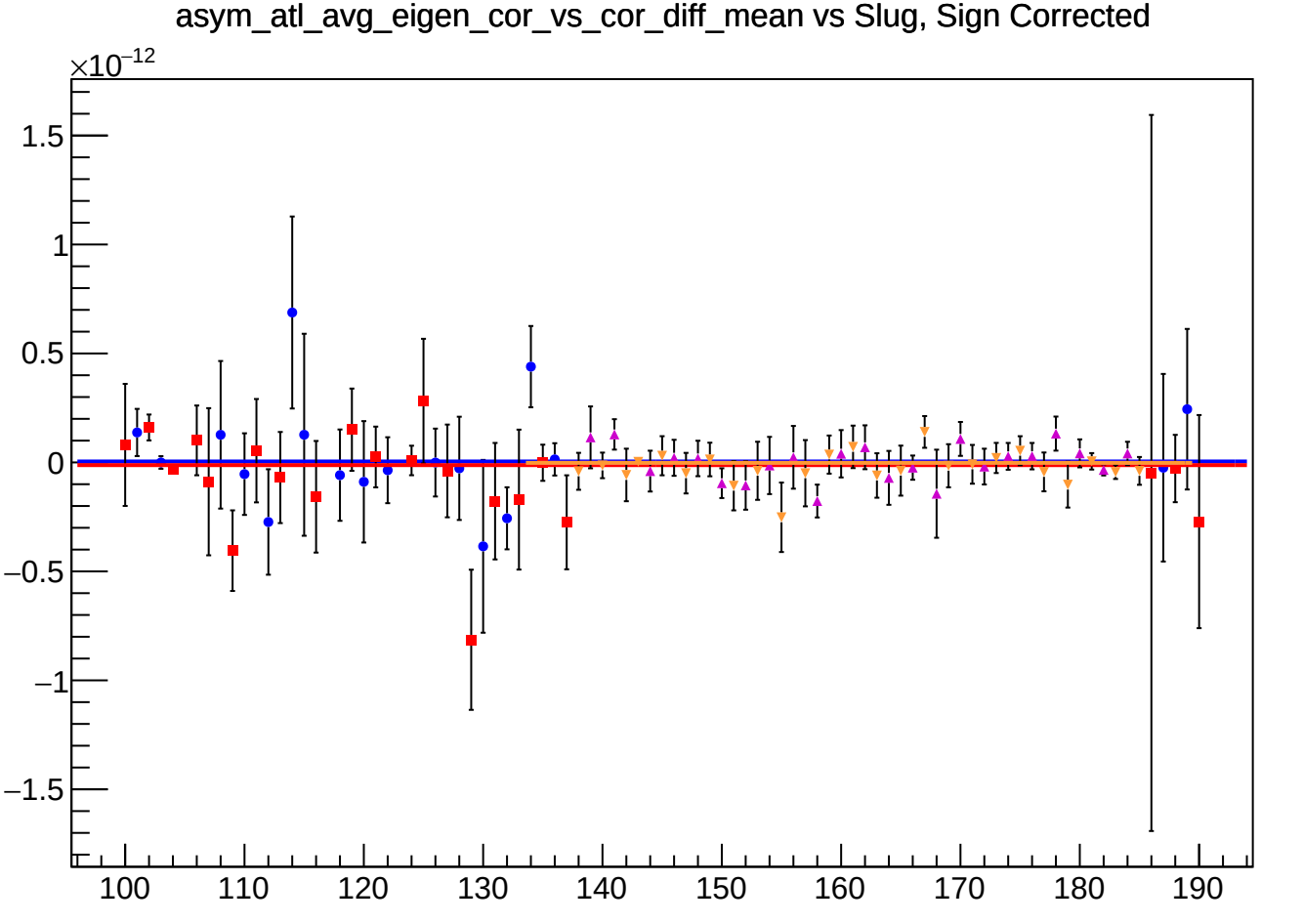
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

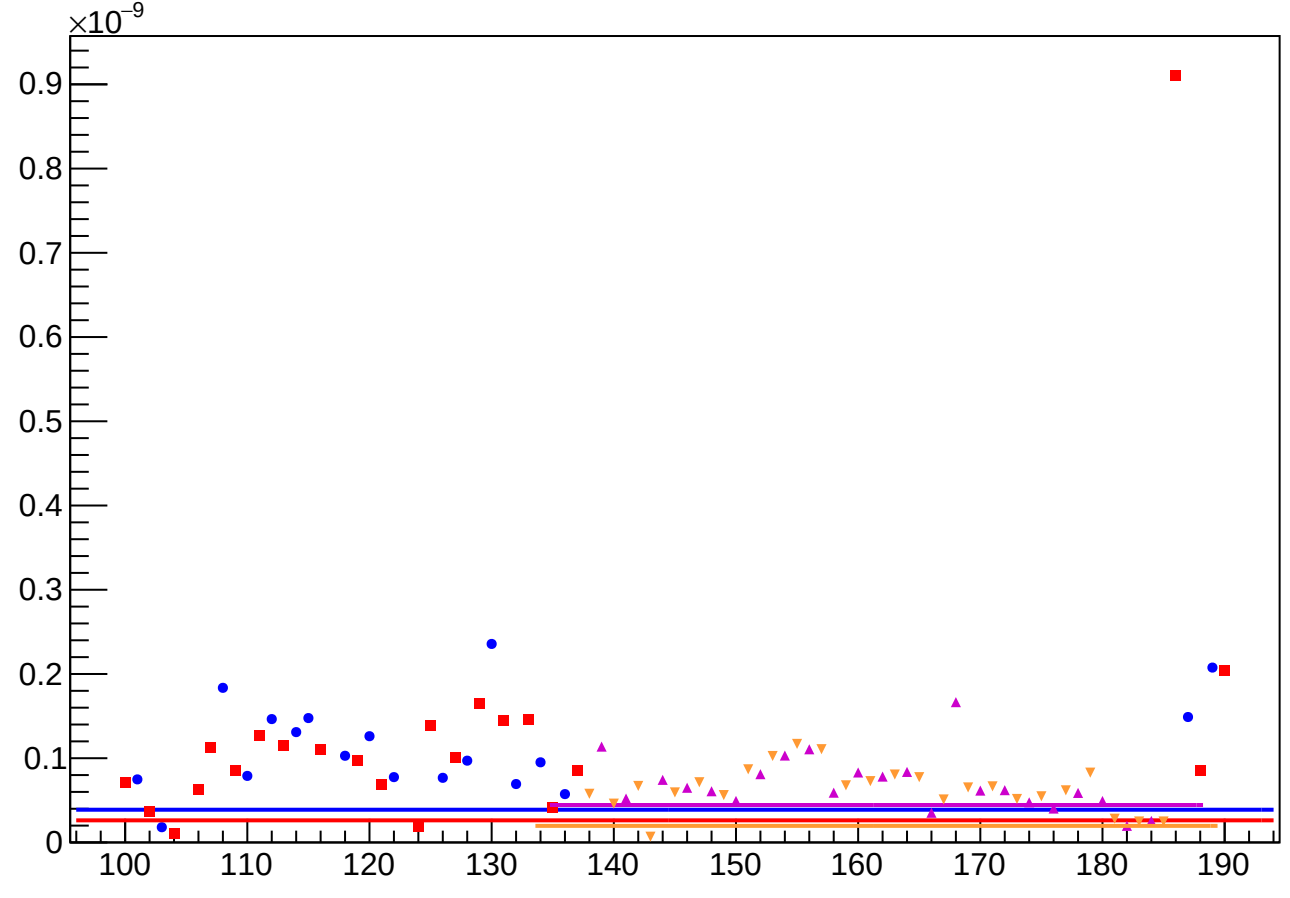
Right: 128.334+/-0.025 χ^2/NDF: 4277324.9/39

In: 202.408+/-0.033 χ^2/NDF:11977440.8/40

Out: 165.351+/-0.028 χ^2/NDF:18991521.6/46

All: 181.139+/-0.021 χ^2/NDF: 31706556.8/87


asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.1/17
Left Out: -0.000+/-0.000 χ²/NDF:13.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.4/21
Left In: -0.000+/-0.000 χ²/NDF:22.5/22
Left: -0.000+/-0.000 χ²/NDF: 36.1/47
Right: -0.000+/-0.000 χ²/NDF: 41.8/39
In: -0.000+/-0.000 χ²/NDF:38.6/40
Out: -0.000+/-0.000 χ²/NDF:39.3/46
All: -0.000+/-0.000 χ²/NDF: 77.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 4497003.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5841716.2/21

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

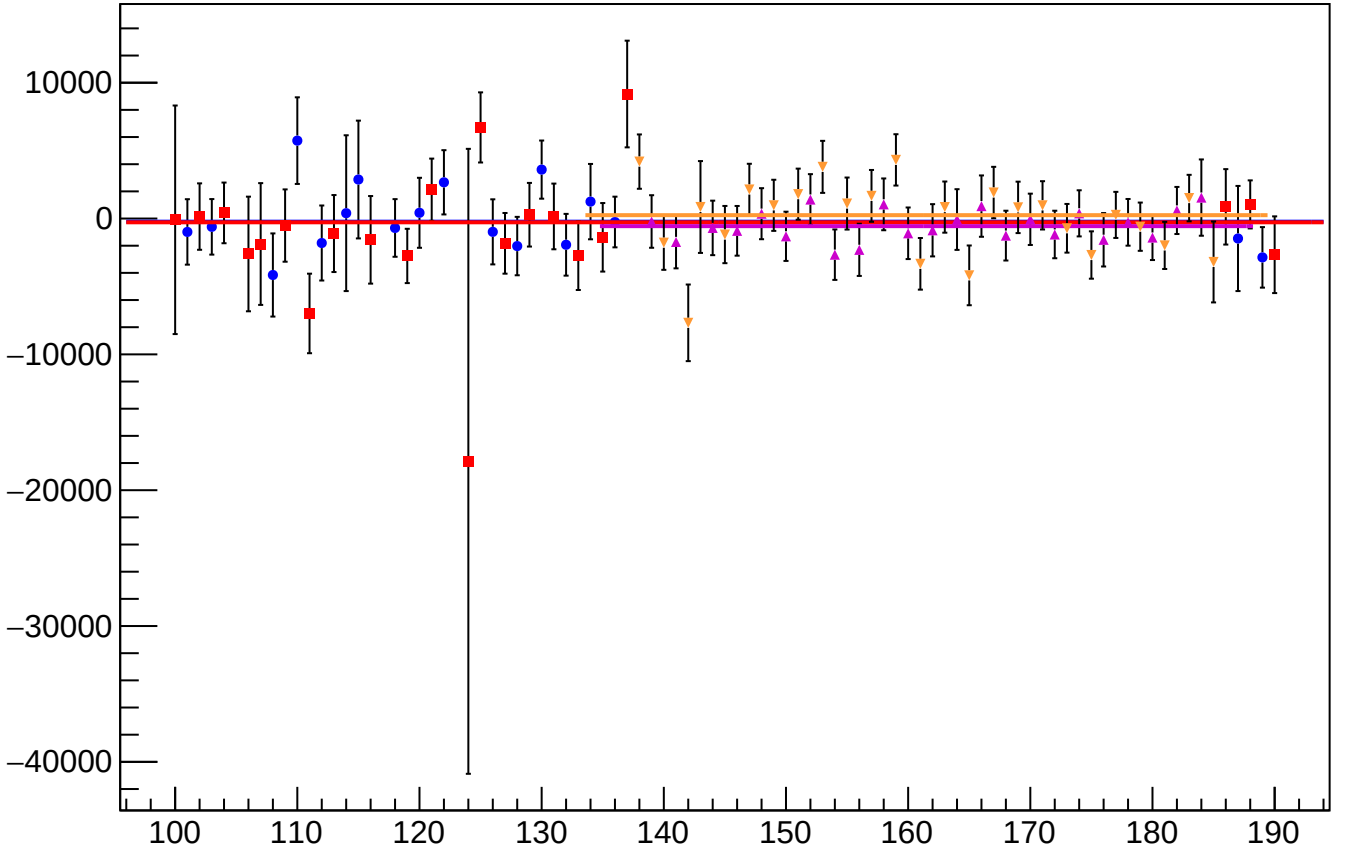
Right: 0.000+/-0.000 χ^2/NDF: 10688956.9/39

In: 0.000+/-0.000 χ^2/NDF:10498878.9/40

Out: 0.000+/-0.000 χ^2/NDF:20940912.0/46

All: 0.000+/-0.000 χ^2/NDF: 36232855.1/87

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -230.850+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -276.766+/-571.217 χ^2/NDF: 25.5/21

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

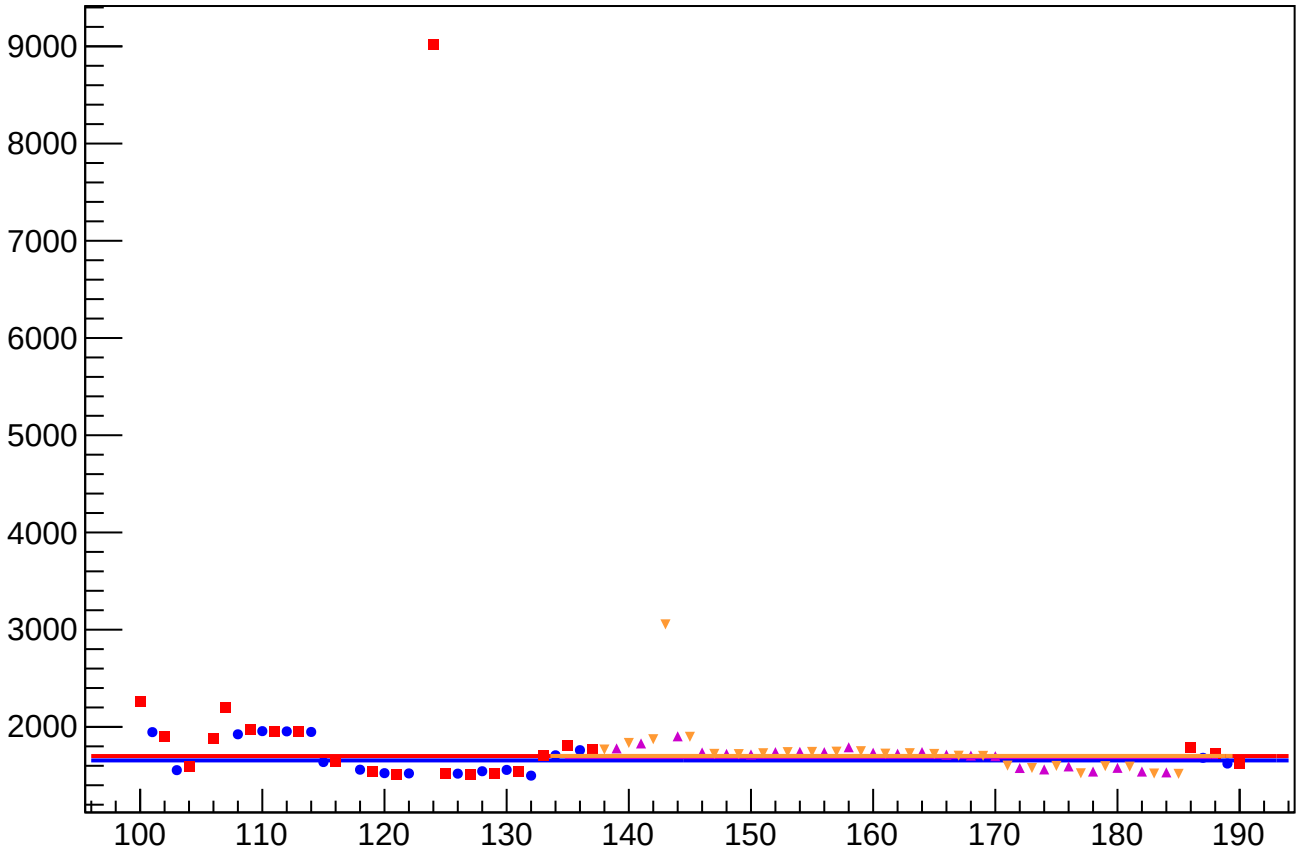
Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

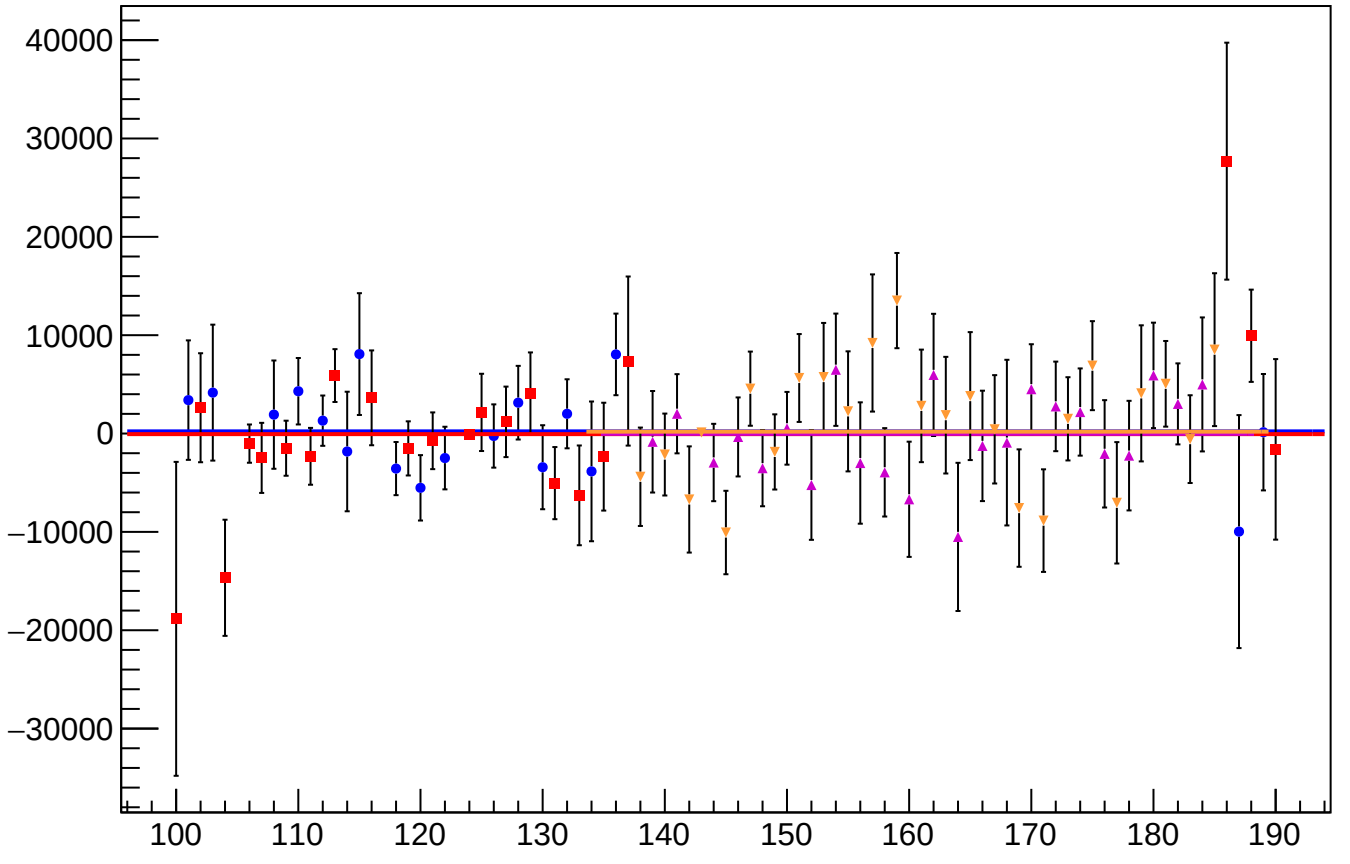
Right: -254.560+/-410.470 χ^2/NDF: 39.6/39

In: -458.142+/-328.336 χ^2/NDF:21.8/40

Out: 81.999+/-321.427 χ^2/NDF:65.7/46

All: -182.329+/-229.687 χ^2/NDF: 88.9/87


reg_asym_atl_dd_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1655.312+/-0.417 χ²/NDF: 144512.2/17
Left Out: 1701.583+/-0.275 χ²/NDF:452379.1/24
Right Out: 1700.347+/-0.402 χ²/NDF: 390270.3/21
Left In: 1689.259+/-0.279 χ²/NDF:122317.9/22
Left: 1695.520+/-0.196 χ²/NDF: 575685.4/47
Right: 1678.651+/-0.290 χ²/NDF: 540816.7/39
In: 1678.754+/-0.232 χ²/NDF:271398.6/40
Out: 1701.190+/-0.227 χ²/NDF:842655.8/46
All: 1690.224+/-0.162 χ²/NDF: 1118828.2/87



Right In: 219.970+/-945.613 χ^2/NDF: 16.0/17

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -59.821+/-322.631 χ^2/NDF: 30.8/21

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

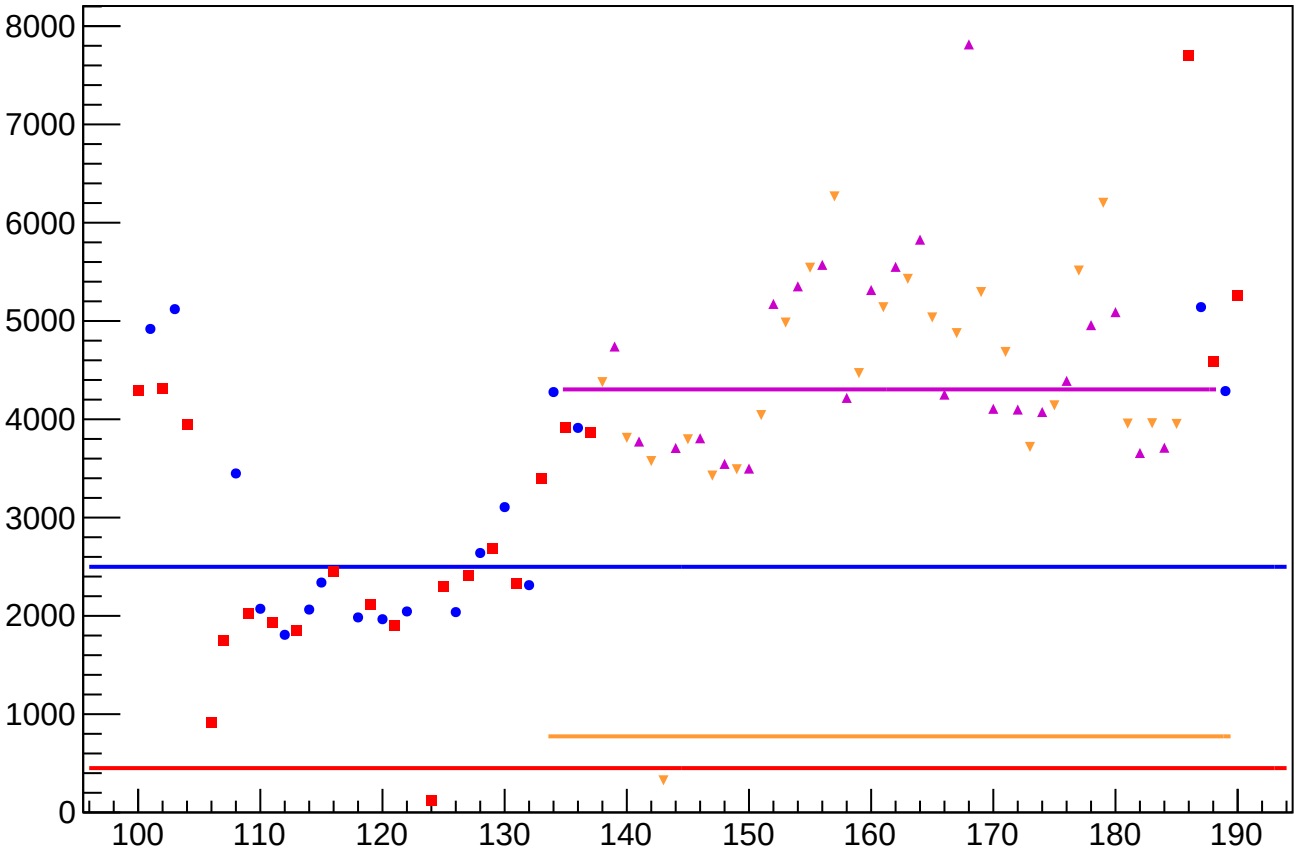
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -30.647+/-305.347 χ^2/NDF: 46.8/39

In: 105.682+/-695.172 χ^2/NDF:29.3/40

Out: 59.048+/-235.048 χ^2/NDF:65.0/46

All: 63.832+/-222.665 χ^2/NDF: 94.2/87



Right In: 2499.150+/-0.669 χ^2/NDF: 1748848.2/17

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 451.225+/-0.228 χ^2/NDF: 13913374.8/21

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

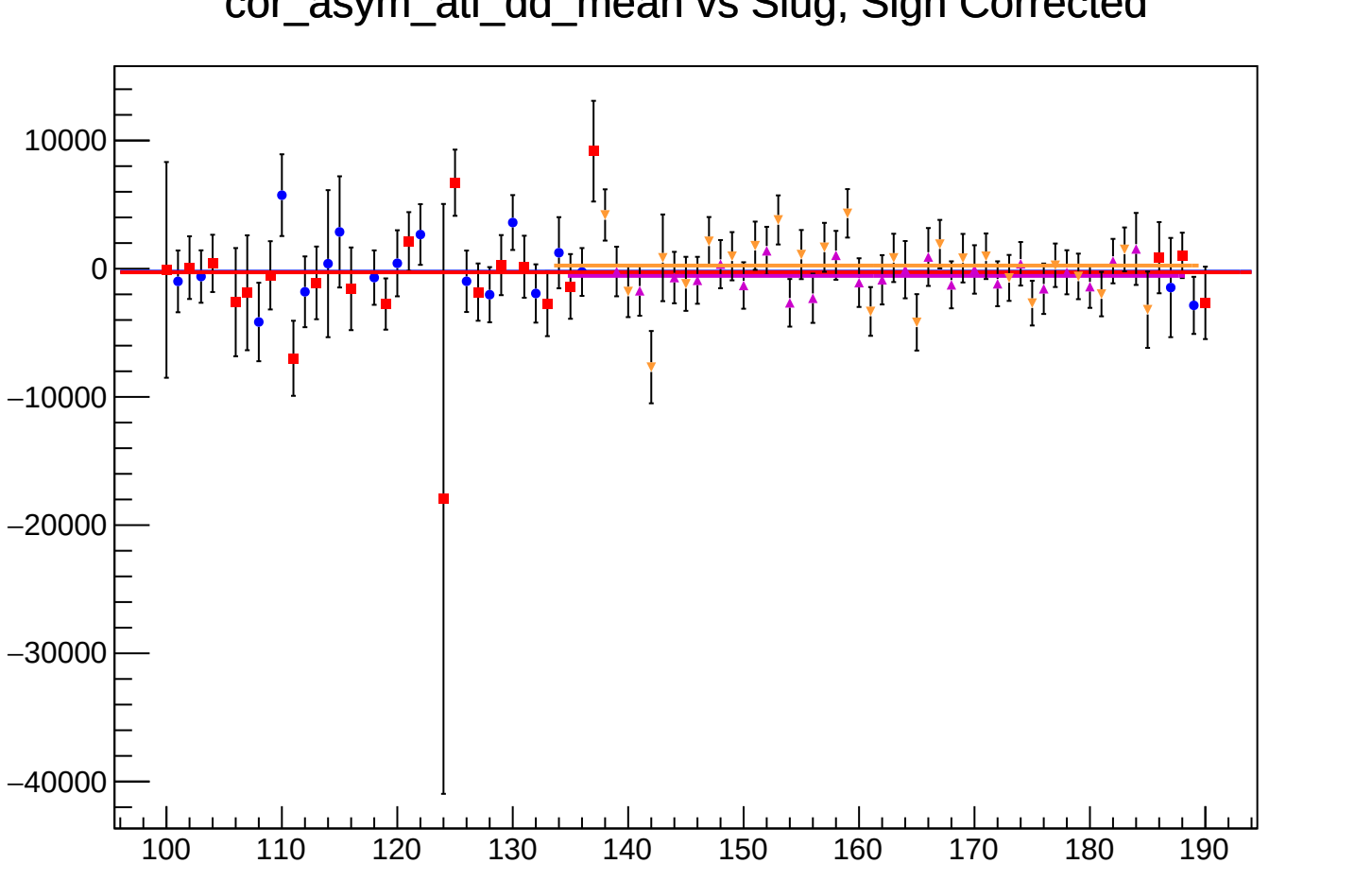
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 664.764+/-0.216 χ^2/NDF: 24064708.9/39

In: 3328.566+/-0.492 χ^2/NDF:6313680.1/40

Out: 602.792+/-0.166 χ^2/NDF:42939622.7/46

All: 882.437+/-0.157 χ^2/NDF: 76847274.6/87



Right In: -230.948+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -280.245+/-571.222 χ^2/NDF: 25.5/21

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

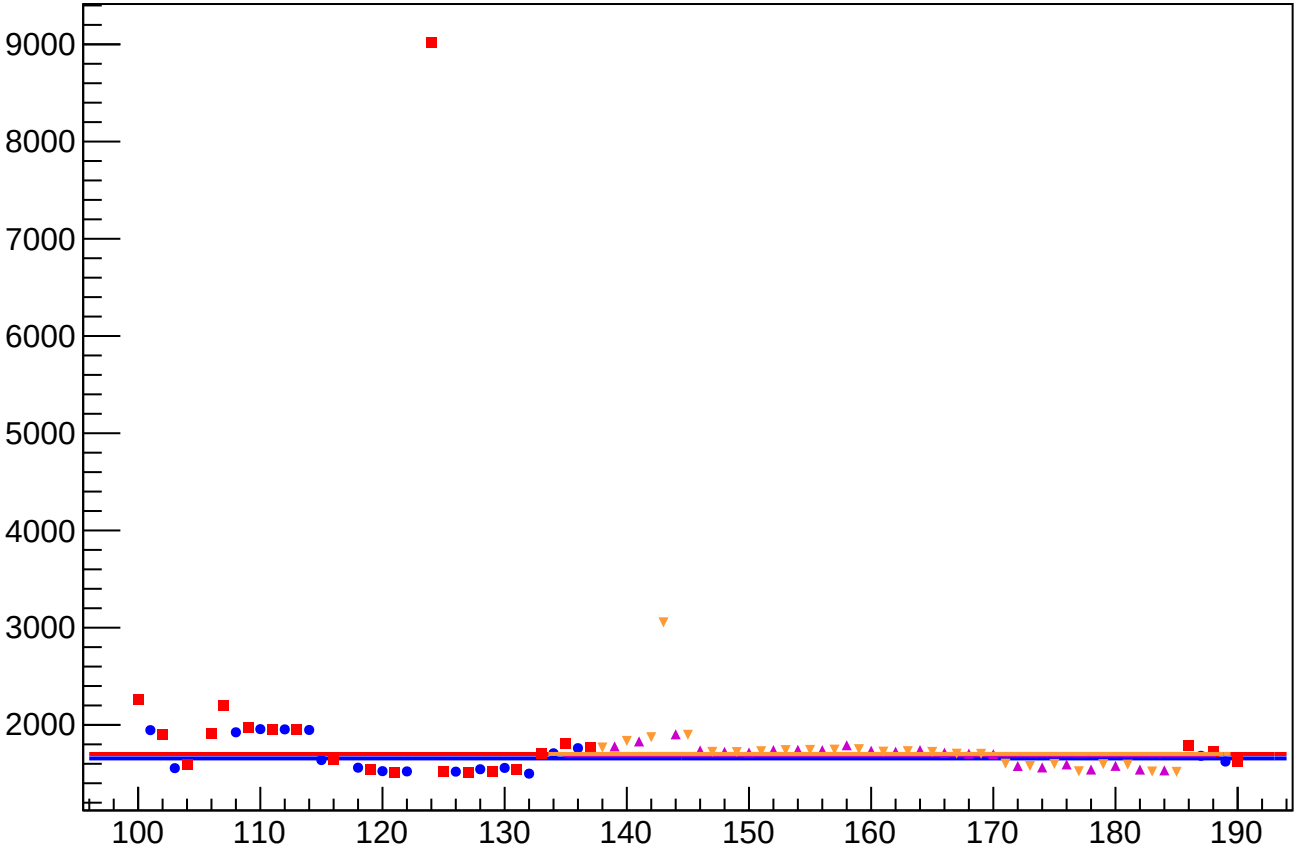
Right: -256.403+/-410.472 χ^2/NDF: 39.6/39

In: -458.148+/-328.336 χ^2/NDF:21.8/40

Out: 80.888+/-321.428 χ^2/NDF:65.7/46

All: -182.900+/-229.687 χ^2/NDF: 88.9/87

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.3/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1700.997+/-0.403 χ^2/NDF: 391991.5/21

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

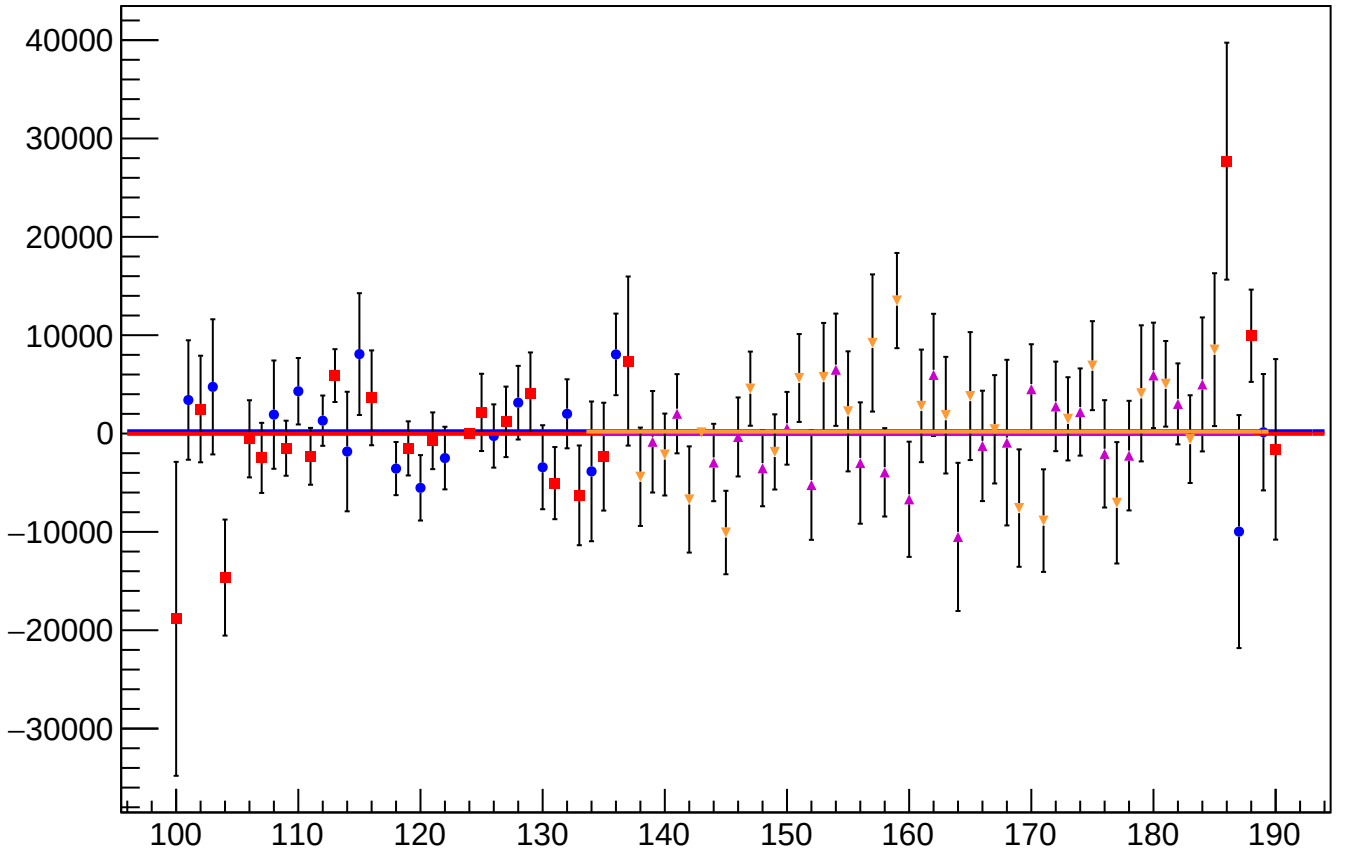
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1678.979+/-0.290 χ^2/NDF: 542710.9/39

In: 1678.754+/-0.232 χ^2/NDF:271398.6/40

Out: 1701.396+/-0.227 χ^2/NDF:844372.0/46

All: 1690.328+/-0.162 χ^2/NDF: 1120632.4/87



Right In: 232.160+/-945.500 χ^2/NDF: 16.1/17

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -29.862+/-314.751 χ^2/NDF: 30.5/21

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

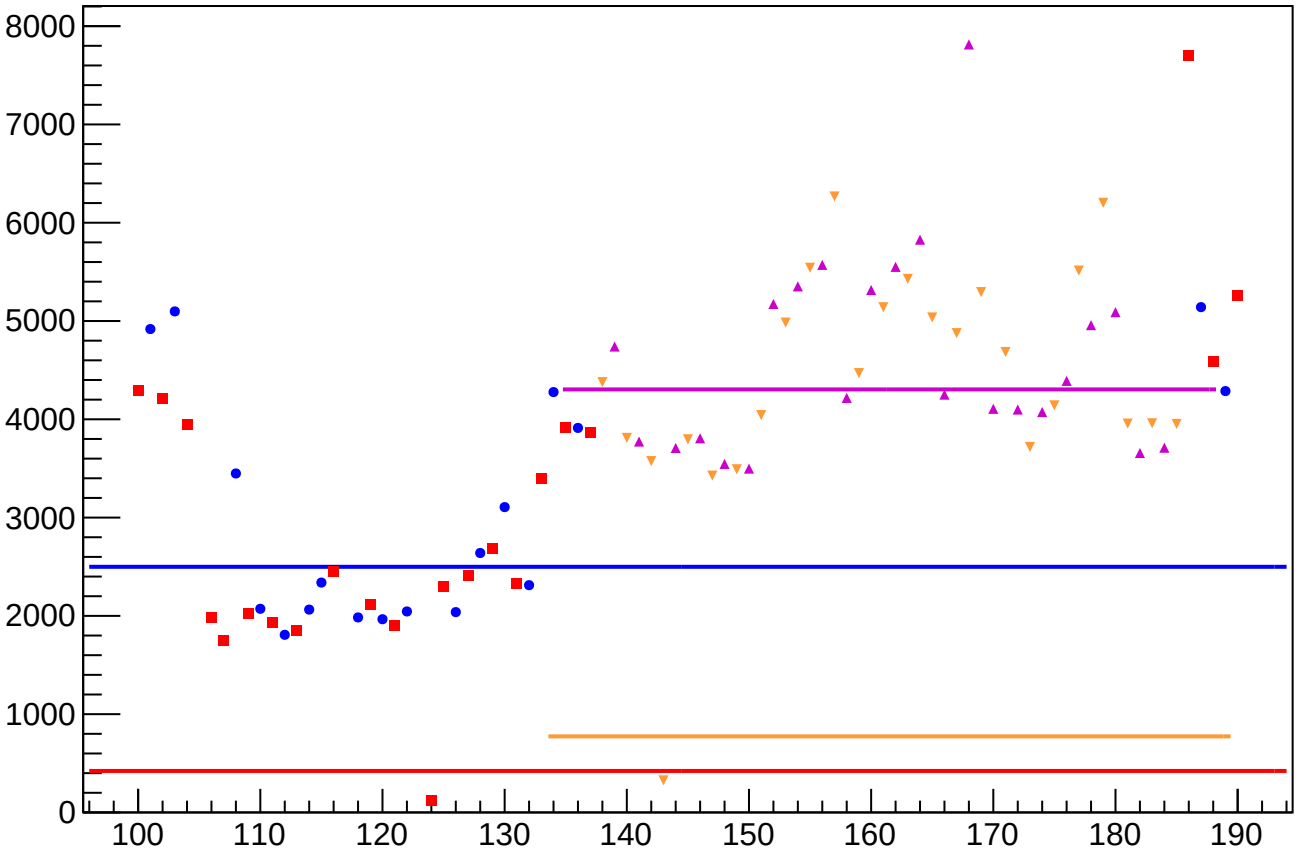
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -3.722+/-298.638 χ^2/NDF: 46.7/39

In: 112.268+/-695.127 χ^2/NDF:29.4/40

Out: 72.399+/-231.941 χ^2/NDF:64.6/46

All: 76.393+/-220.016 χ^2/NDF: 94.0/87



Right In: 2499.294+/-0.669 χ^2/NDF: 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 422.282+/-0.223 χ^2/NDF: 14291022.0/21

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

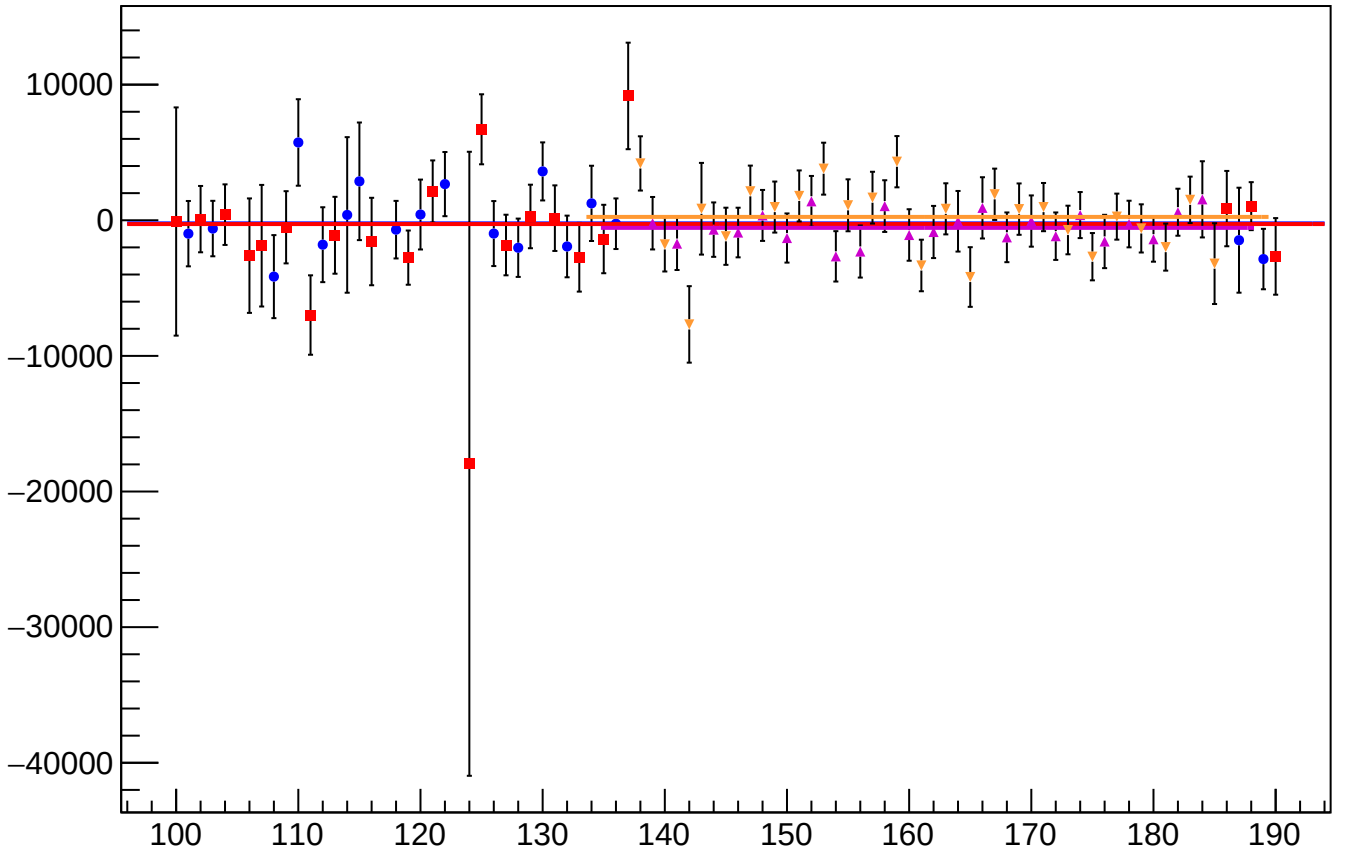
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 629.490+/-0.211 χ^2/NDF: 24726572.3/39

In: 3328.536+/-0.492 χ^2/NDF:6311751.8/40

Out: 583.074+/-0.164 χ^2/NDF:43519648.7/46

All: 858.114+/-0.156 χ^2/NDF: 77904342.2/87



Right In: -230.948+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -280.245+/-571.222 χ^2/NDF: 25.5/21

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

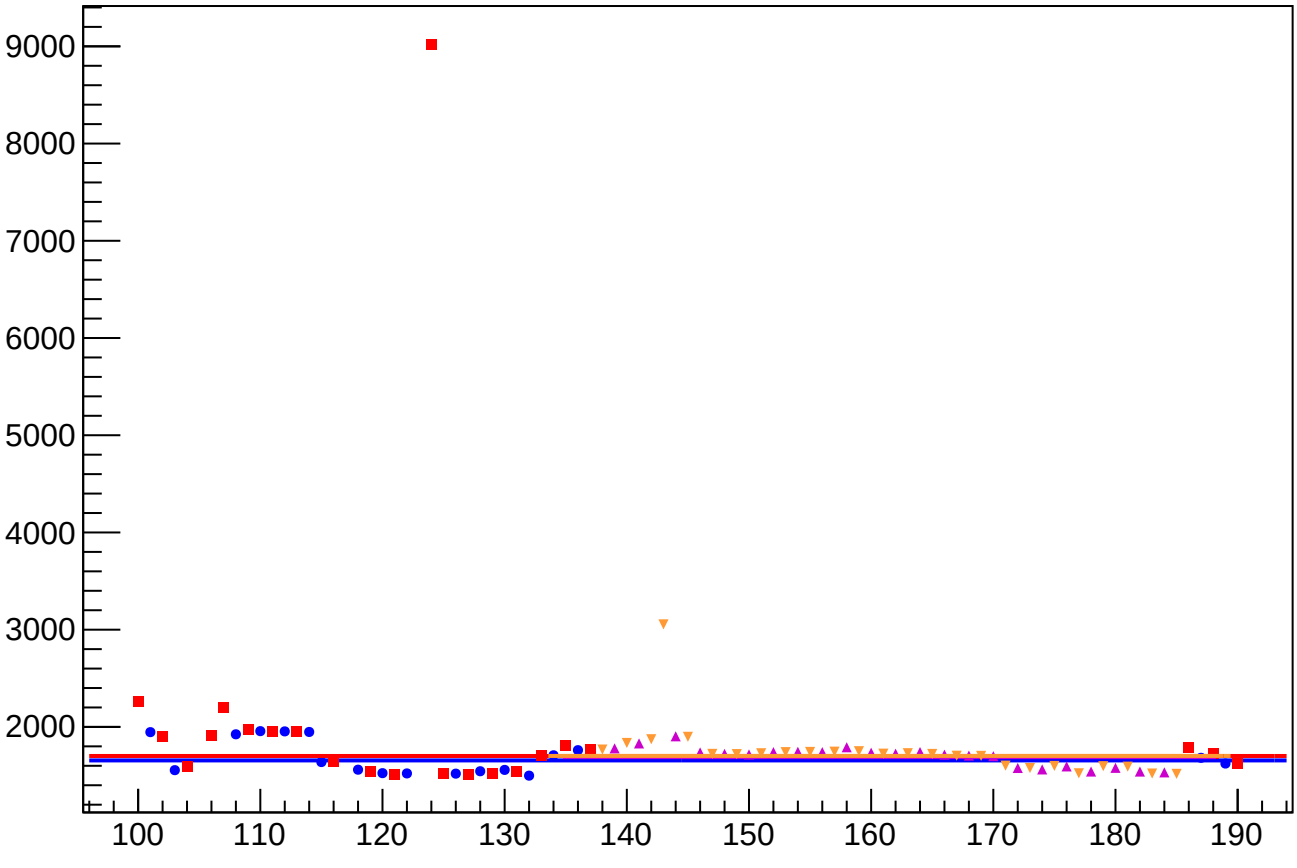
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -256.403+/-410.472 χ^2/NDF: 39.6/39

In: -458.148+/-328.336 χ^2/NDF:21.8/40

Out: 80.888+/-321.428 χ^2/NDF:65.7/46

All: -182.900+/-229.687 χ^2/NDF: 88.9/87



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.3/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1700.997+/-0.403 χ^2/NDF: 391991.5/21

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

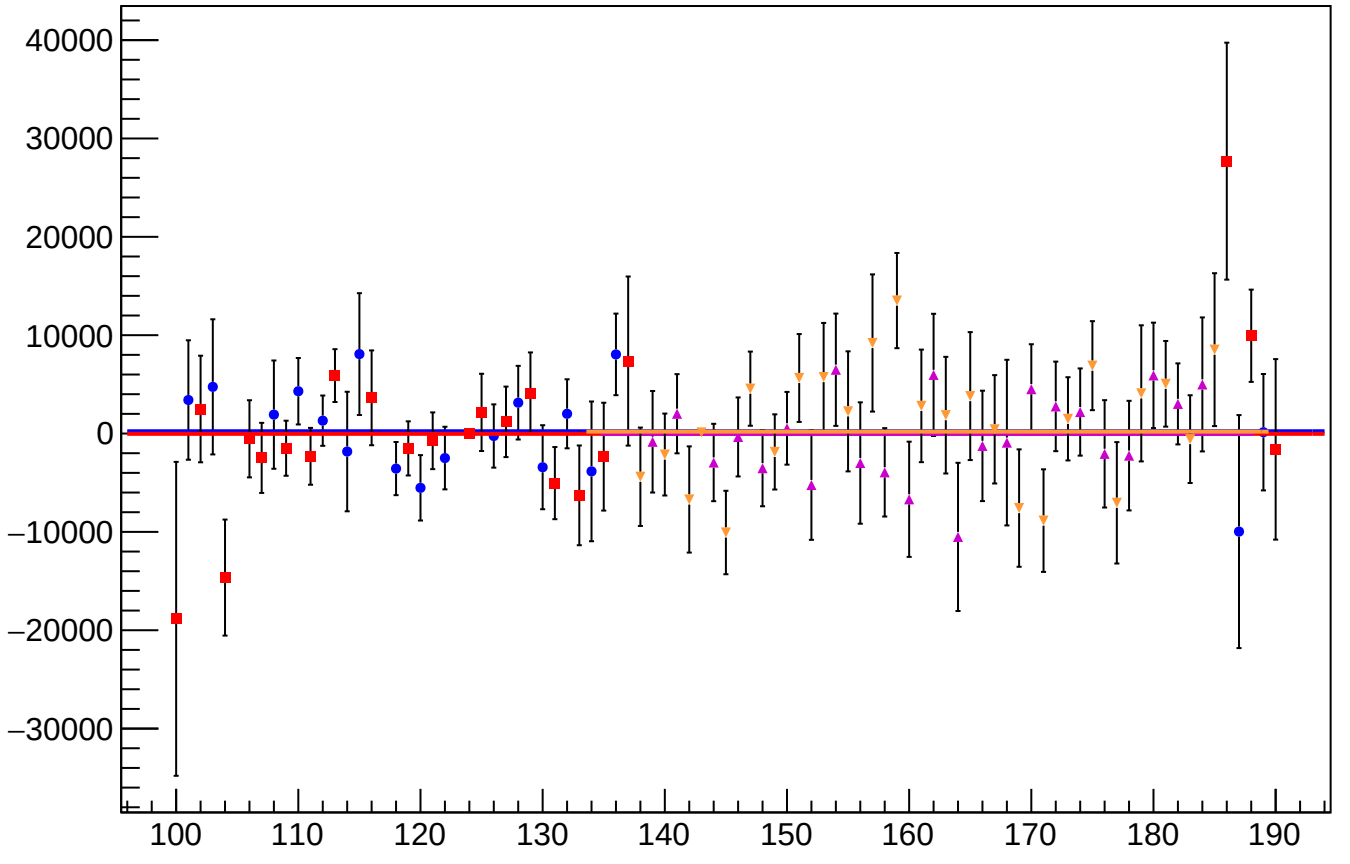
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1678.979+/-0.290 χ^2/NDF: 542710.9/39

In: 1678.754+/-0.232 χ^2/NDF:271398.6/40

Out: 1701.396+/-0.227 χ^2/NDF:844372.0/46

All: 1690.328+/-0.162 χ^2/NDF: 1120632.4/87



Right In: 232.160+/-945.500 χ^2/NDF: 16.1/17

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -29.862+/-314.751 χ^2/NDF: 30.5/21

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

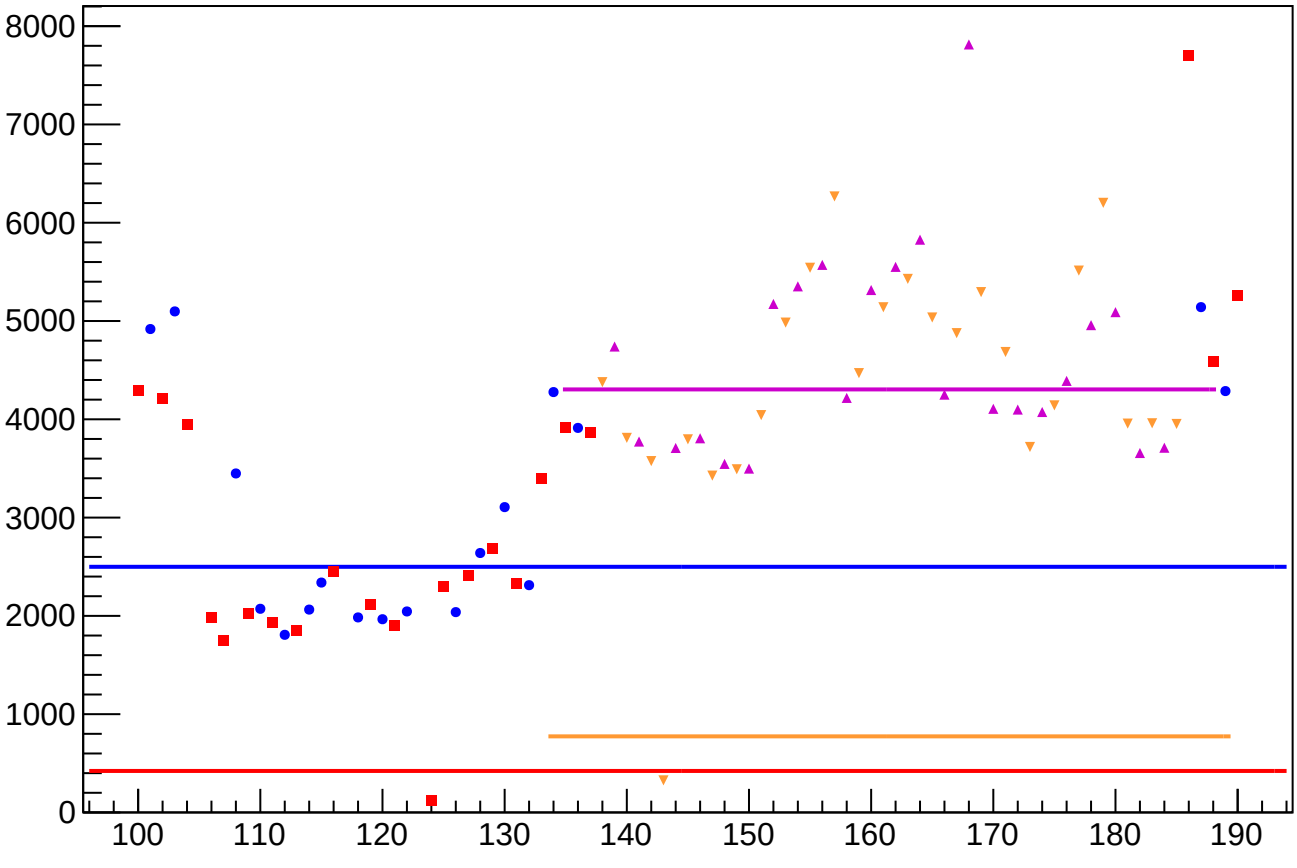
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -3.722+/-298.638 χ^2/NDF: 46.7/39

In: 112.268+/-695.127 χ^2/NDF:29.4/40

Out: 72.399+/-231.941 χ^2/NDF:64.6/46

All: 76.393+/-220.016 χ^2/NDF: 94.0/87



Right In: 2499.294+/-0.669 χ^2/NDF: 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 422.282+/-0.223 χ^2/NDF: 14291022.0/21

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

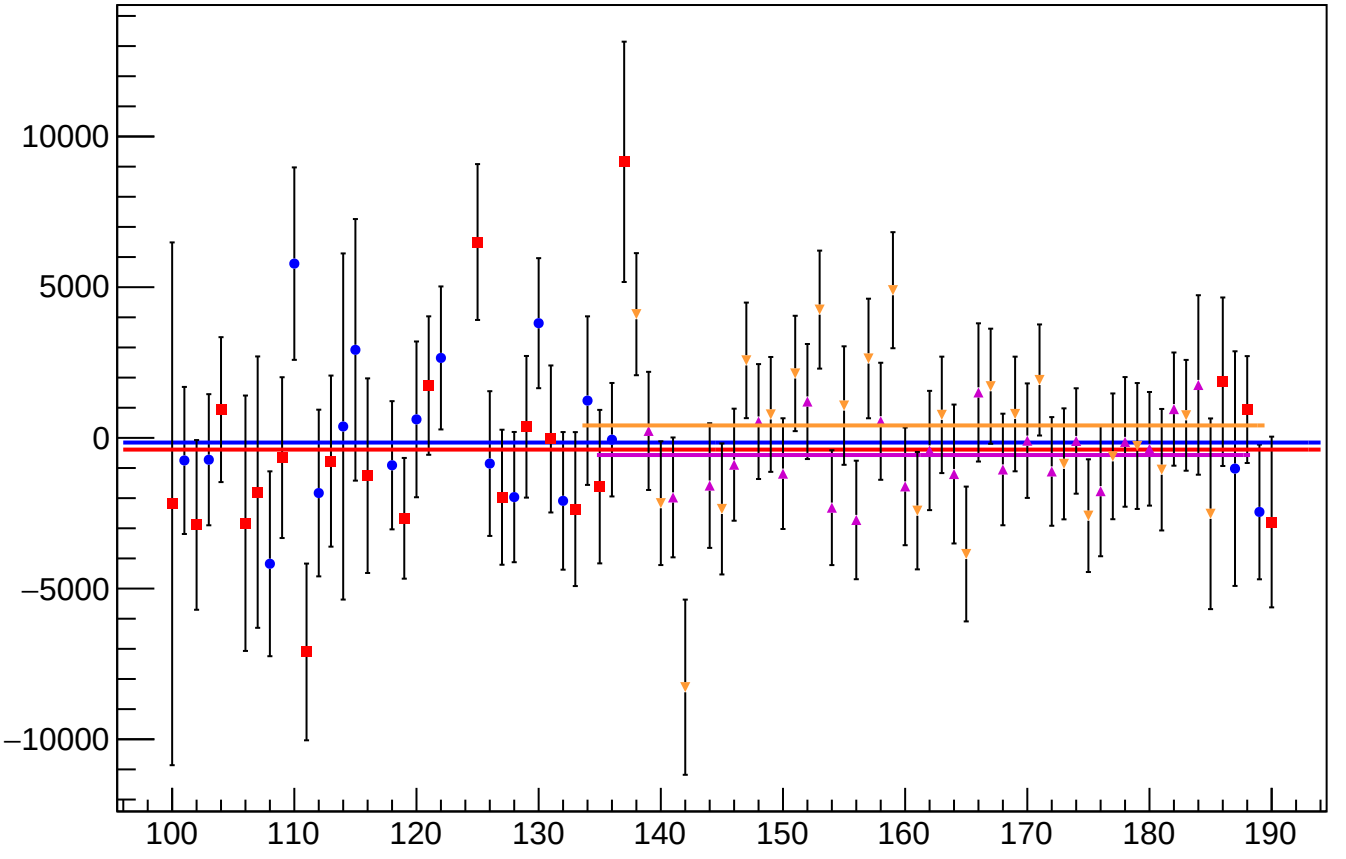
Right: 629.490+/-0.211 χ^2/NDF: 24726572.3/39

In: 3328.536+/-0.492 χ^2/NDF:6311751.8/40

Out: 583.074+/-0.164 χ^2/NDF:43519648.7/46

All: 858.114+/-0.156 χ^2/NDF: 77904342.2/87

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -154.651+/-595.843 χ^2/NDF: 14.0/17

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -388.500+/-580.050 χ^2/NDF: 25.3/20

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

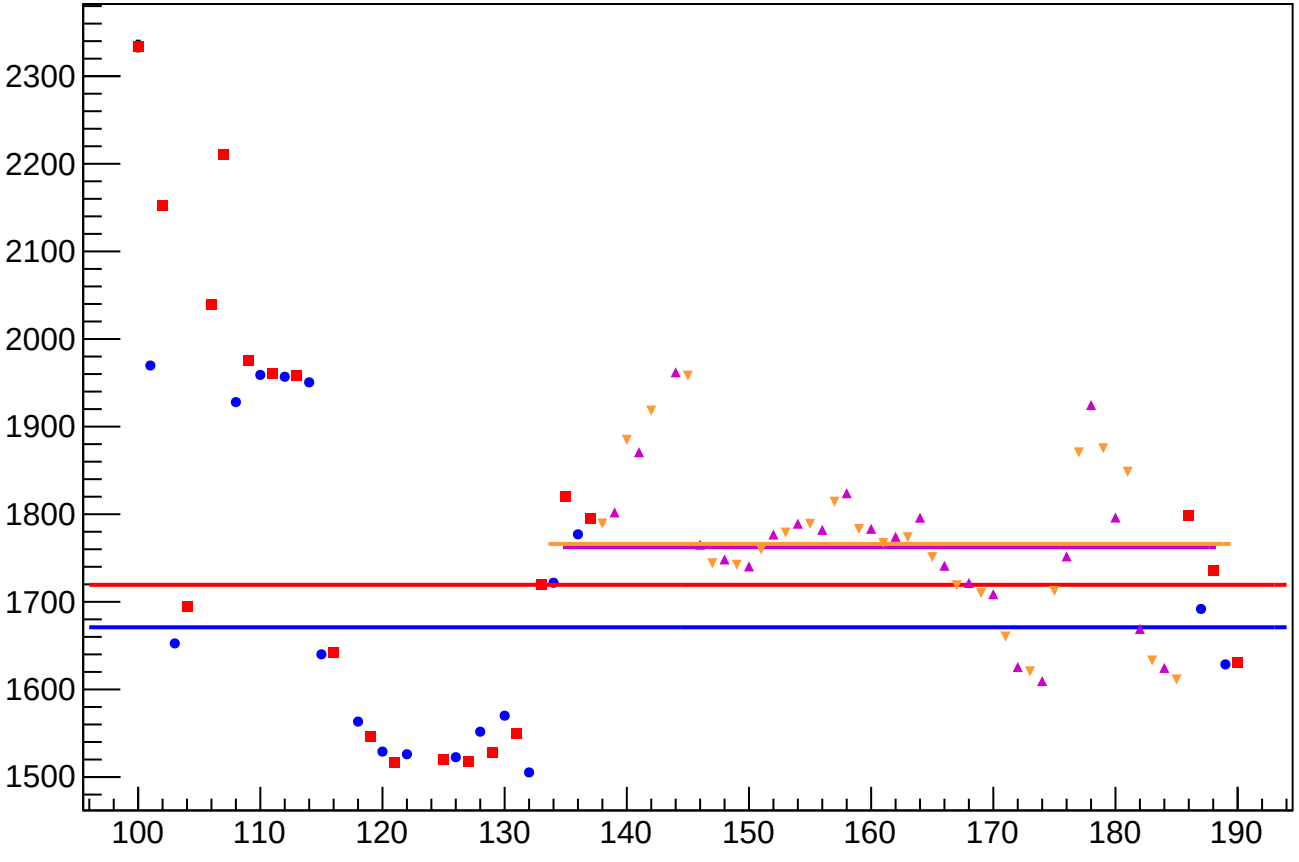
Right: -274.716+/-415.628 χ^2/NDF: 39.4/38

In: -434.831+/-338.907 χ^2/NDF:22.1/40

Out: 145.711+/-335.098 χ^2/NDF:66.5/44

All: -141.280+/-238.285 χ^2/NDF: 90.1/85

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1670.948+/-0.421 χ^2/NDF: 141688.1/17

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1719.431+/-0.409 χ^2/NDF: 231391.8/20

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

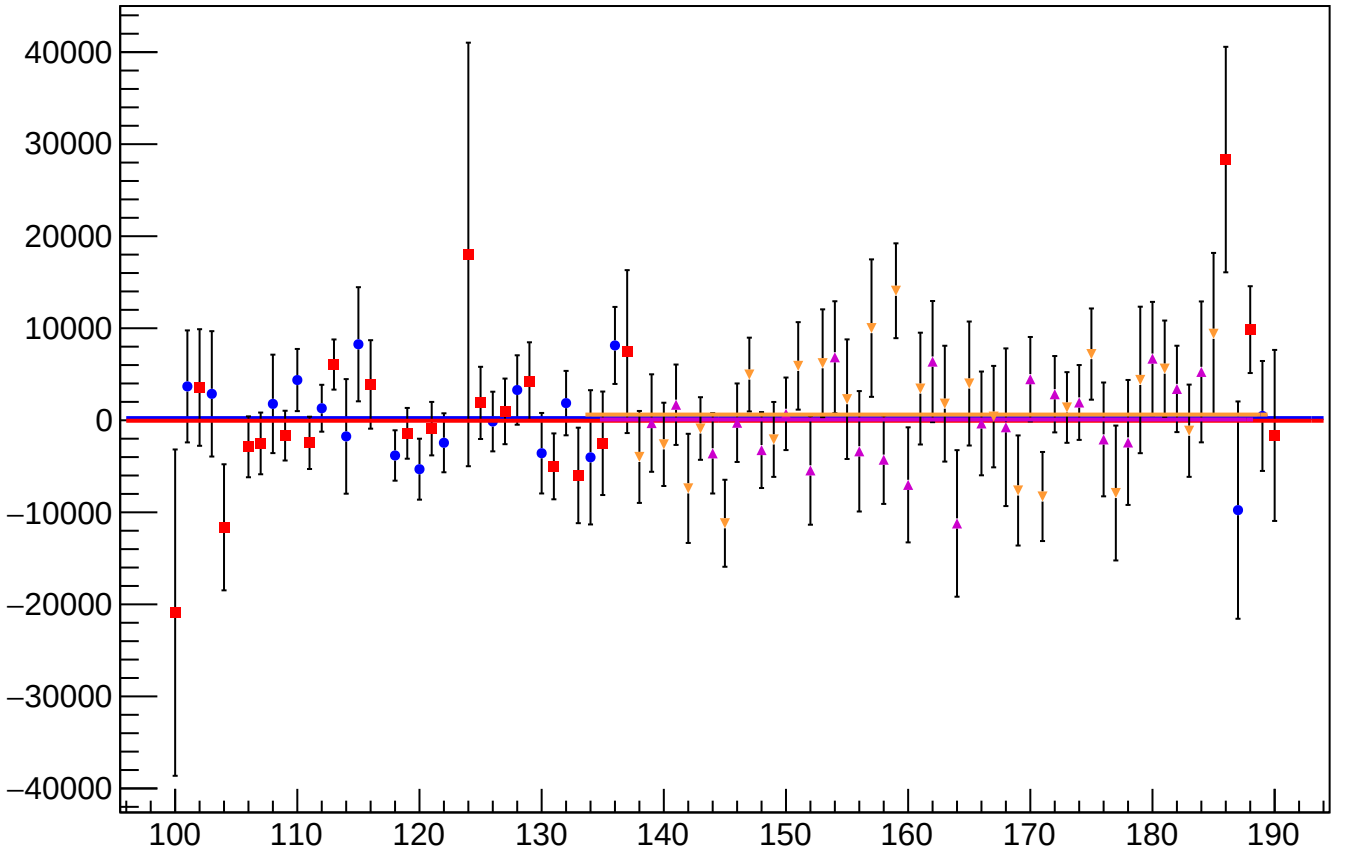
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1695.886+/-0.294 χ^2/NDF: 379891.2/38

In: 1732.817+/-0.240 χ^2/NDF:253654.7/40

Out: 1750.496+/-0.237 χ^2/NDF:323297.1/44

All: 1741.762+/-0.168 χ^2/NDF: 579705.3/85



Right In: 235.882+/-949.252 χ^2/NDF: 16.0/17

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -50.016+/-862.920 χ^2/NDF: 28.9/21

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

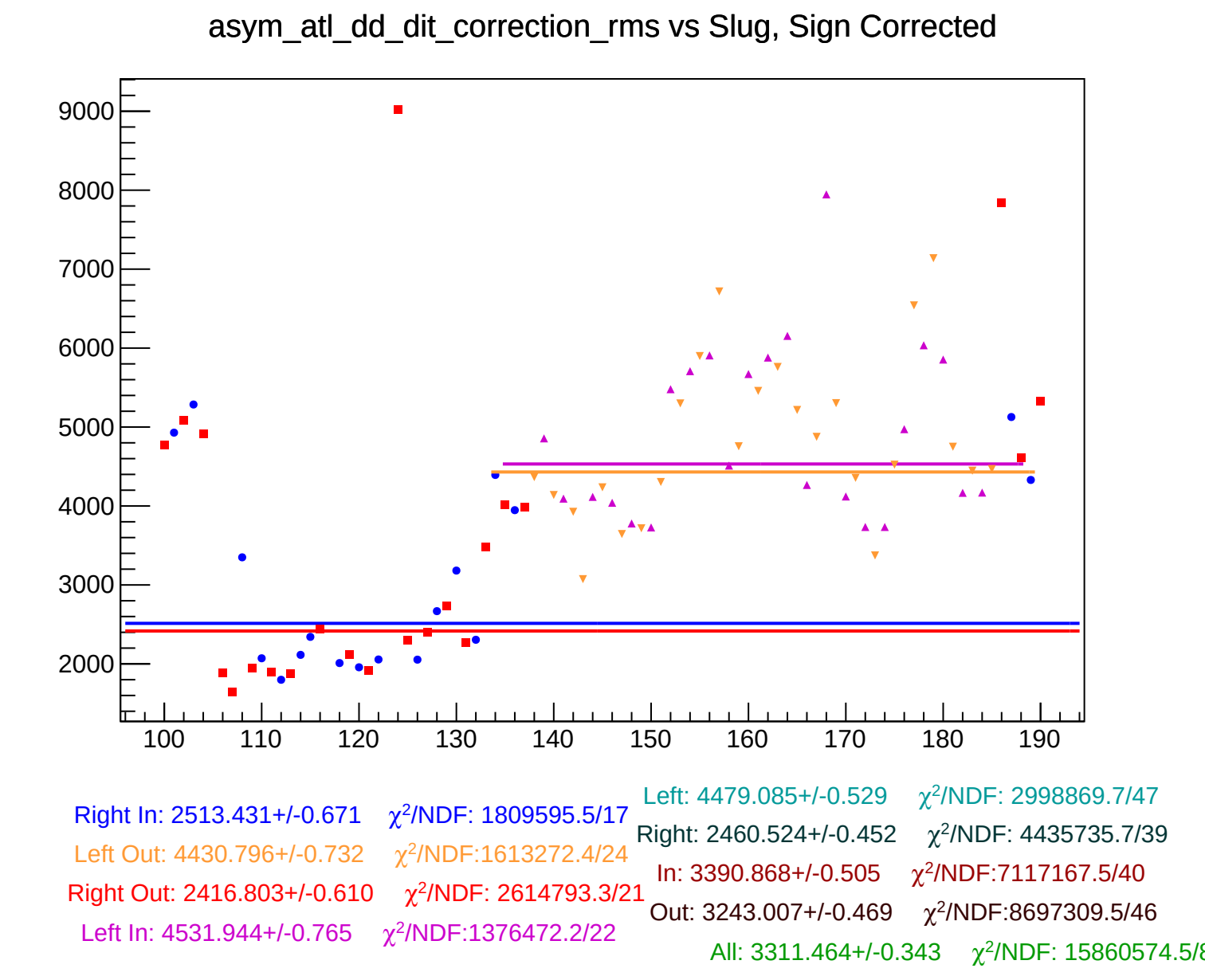
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

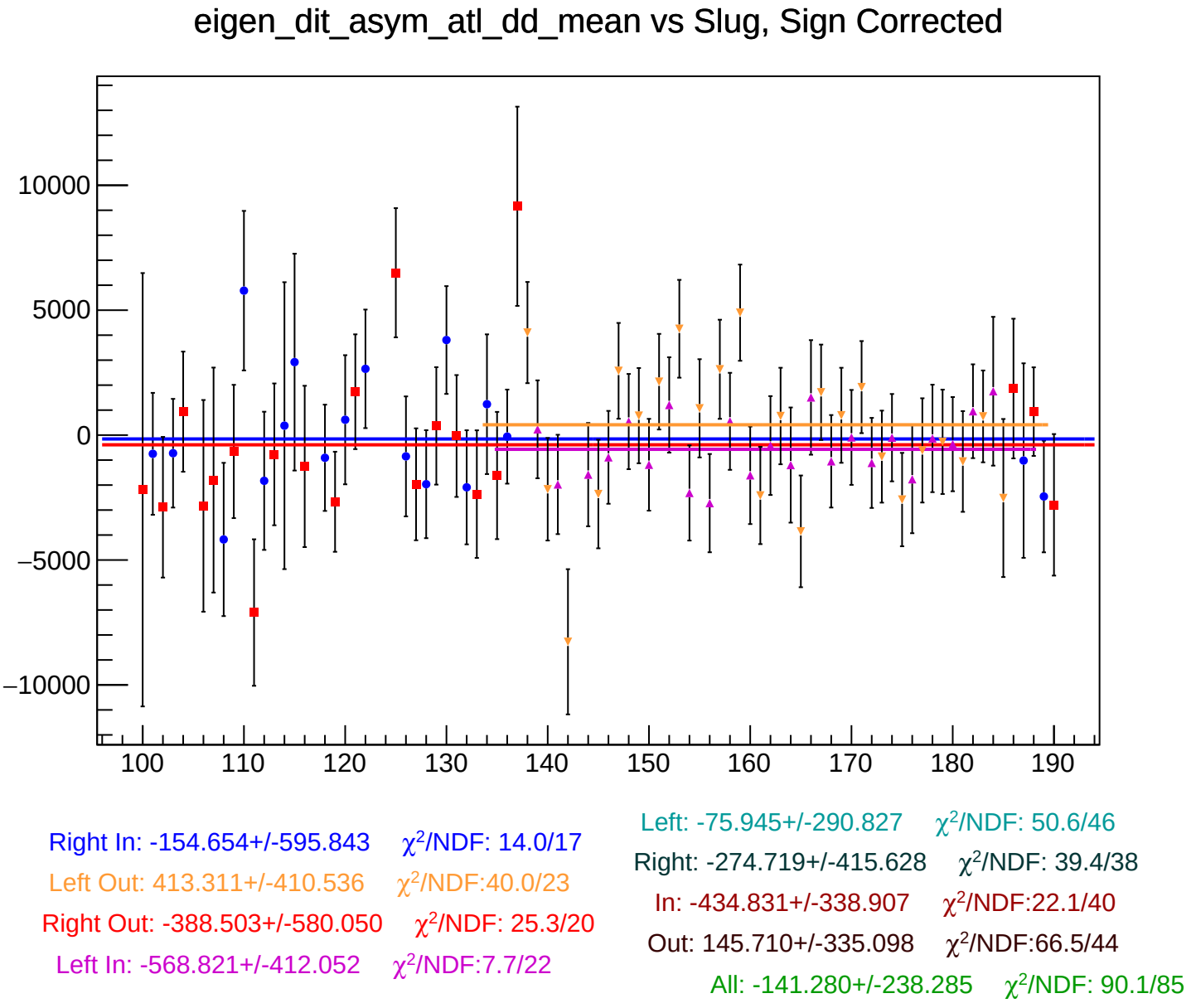
Right: 79.344+/-638.521 χ^2/NDF: 44.9/39

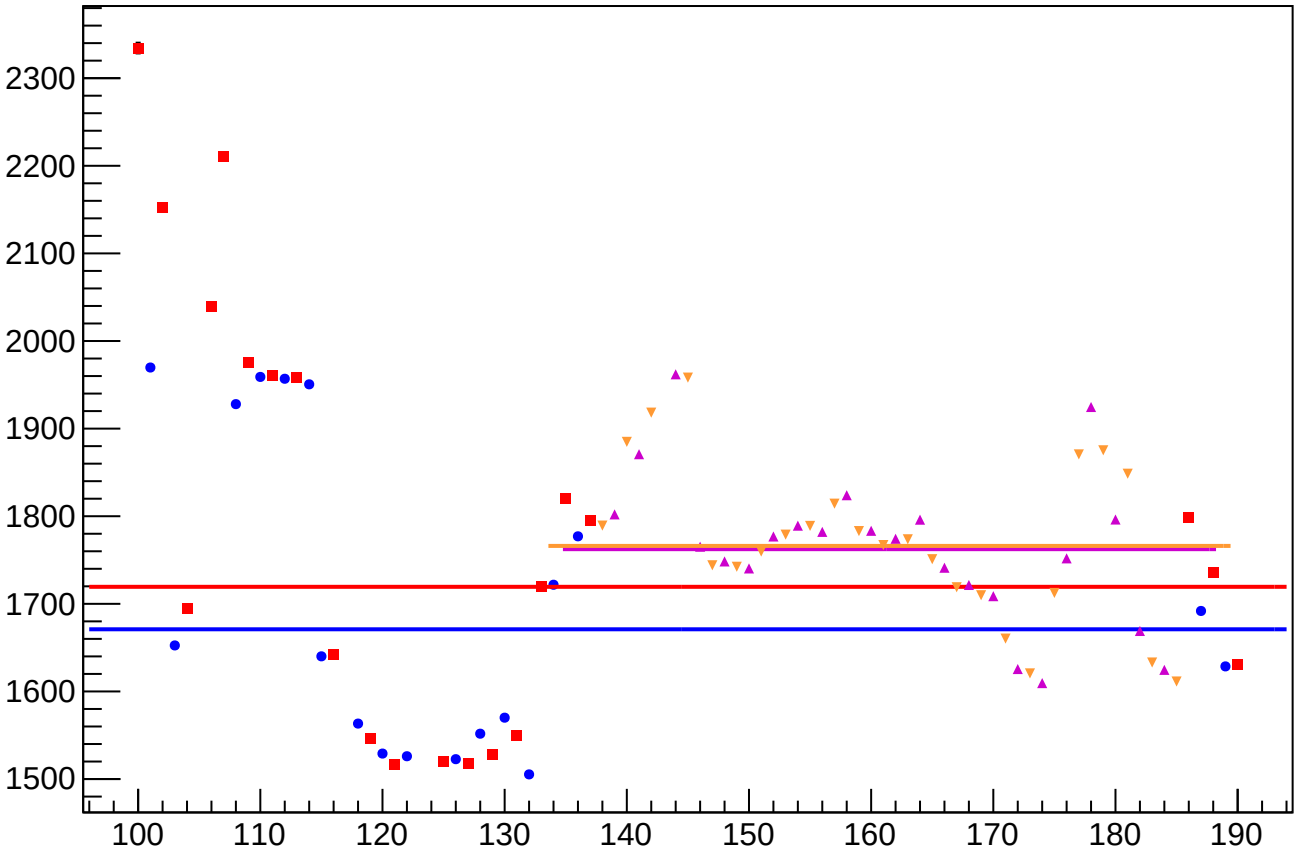
In: 170.517+/-713.712 χ^2/NDF:28.9/40

Out: 224.706+/-662.691 χ^2/NDF:62.2/46

All: 199.617+/-485.630 χ^2/NDF: 91.1/87


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2513.431+/-0.671 χ²/NDF: 1809595.5/17
Left Out: 4430.796+/-0.732 χ²/NDF:1613272.4/24
Right Out: 2416.803+/-0.610 χ²/NDF: 2614793.3/21
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.085+/-0.529 χ²/NDF: 2998869.7/47
Right: 2460.524+/-0.452 χ²/NDF: 4435735.7/39
In: 3390.868+/-0.505 χ²/NDF:7117167.5/40
Out: 3243.007+/-0.469 χ²/NDF:8697309.5/46
All: 3311.464+/-0.343 χ²/NDF: 15860574.5/8


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -154.654+/-595.843 χ²/NDF: 14.0/17
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: -388.503+/-580.050 χ²/NDF: 25.3/20
Left In: -568.821+/-412.052 χ²/NDF:7.7/22
Left: -75.945+/-290.827 χ²/NDF: 50.6/46
Right: -274.719+/-415.628 χ²/NDF: 39.4/38
In: -434.831+/-338.907 χ²/NDF:22.1/40
Out: 145.710+/-335.098 χ²/NDF:66.5/44
All: -141.280+/-238.285 χ²/NDF: 90.1/85



Right In: 1670.947+/-0.421 χ^2/NDF: 141688.1/17

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1719.431+/-0.409 χ^2/NDF: 231391.1/20

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

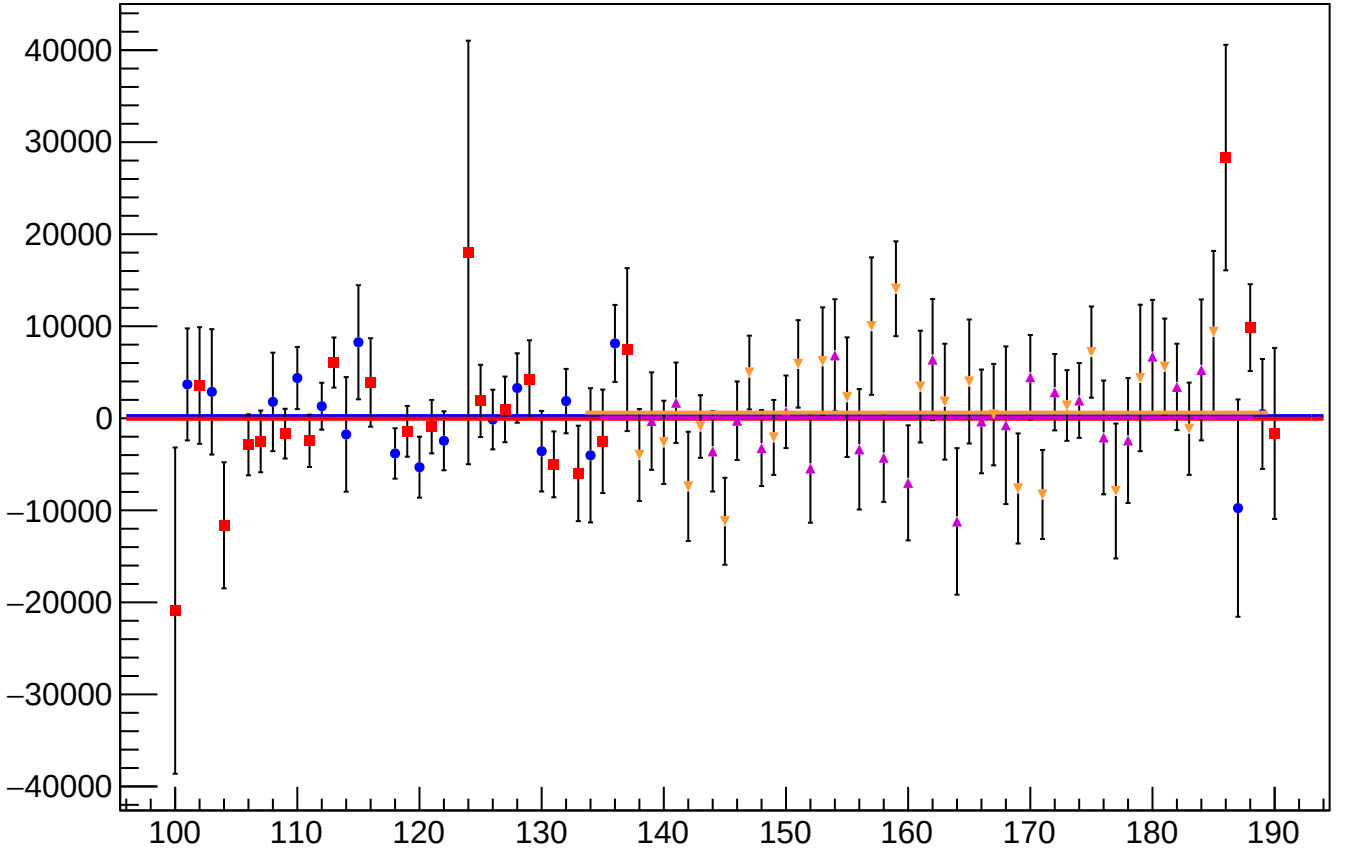
Right: 1695.886+/-0.294 χ^2/NDF: 379890.5/38

In: 1732.818+/-0.240 χ^2/NDF:253658.2/40

Out: 1750.496+/-0.237 χ^2/NDF:323299.8/44

All: 1741.762+/-0.168 χ^2/NDF: 579711.5/85

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 235.877+/-949.249 χ^2/NDF: 16.0/17

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -50.022+/-862.917 χ^2/NDF: 28.9/21

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

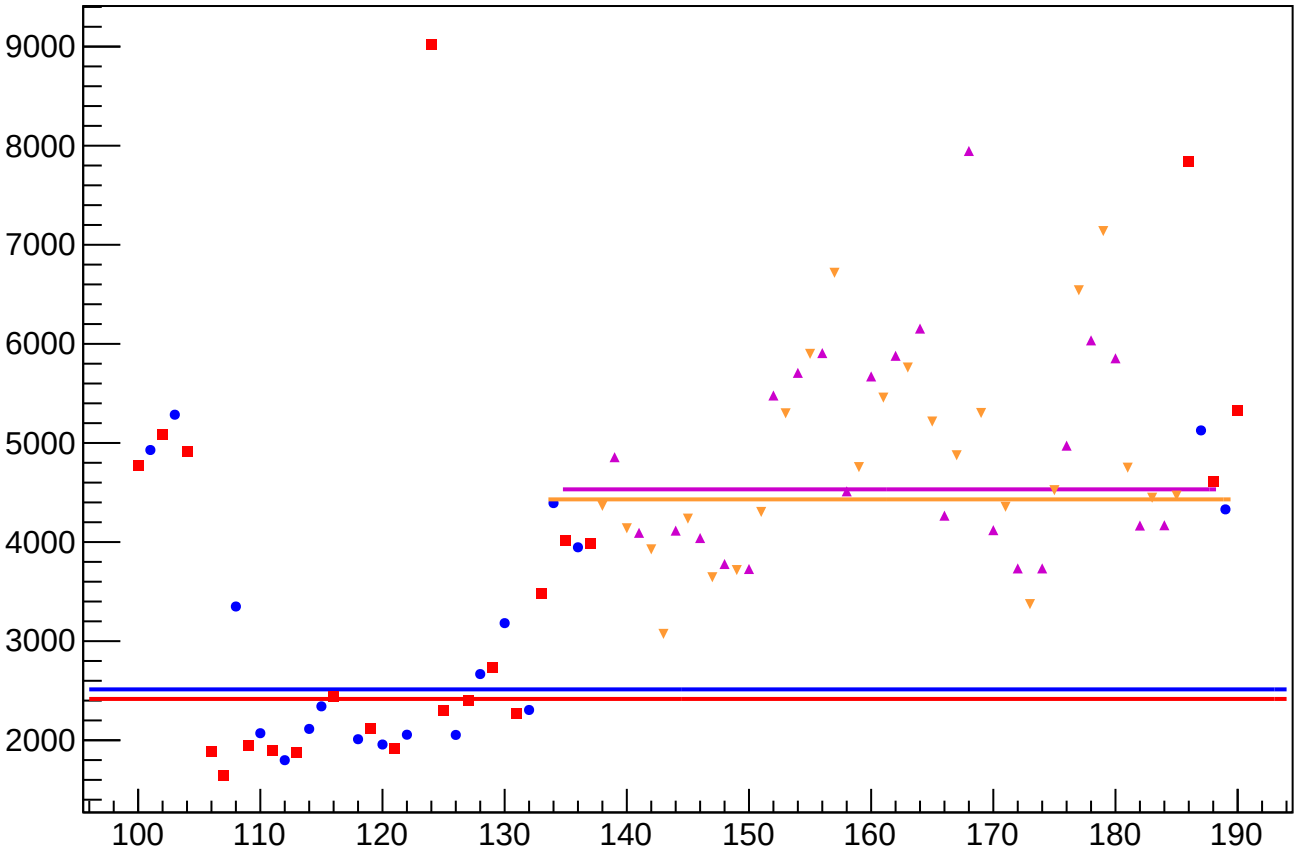
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 79.338+/-638.519 χ^2/NDF: 44.9/39

In: 170.514+/-713.711 χ^2/NDF:28.9/40

Out: 224.703+/-662.690 χ^2/NDF:62.2/46

All: 199.614+/-485.629 χ^2/NDF: 91.1/87



Right In: 2513.420+/-0.671 χ^2/NDF: 1809611.2/17

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2416.794+/-0.610 χ^2/NDF: 2614807.6/21

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

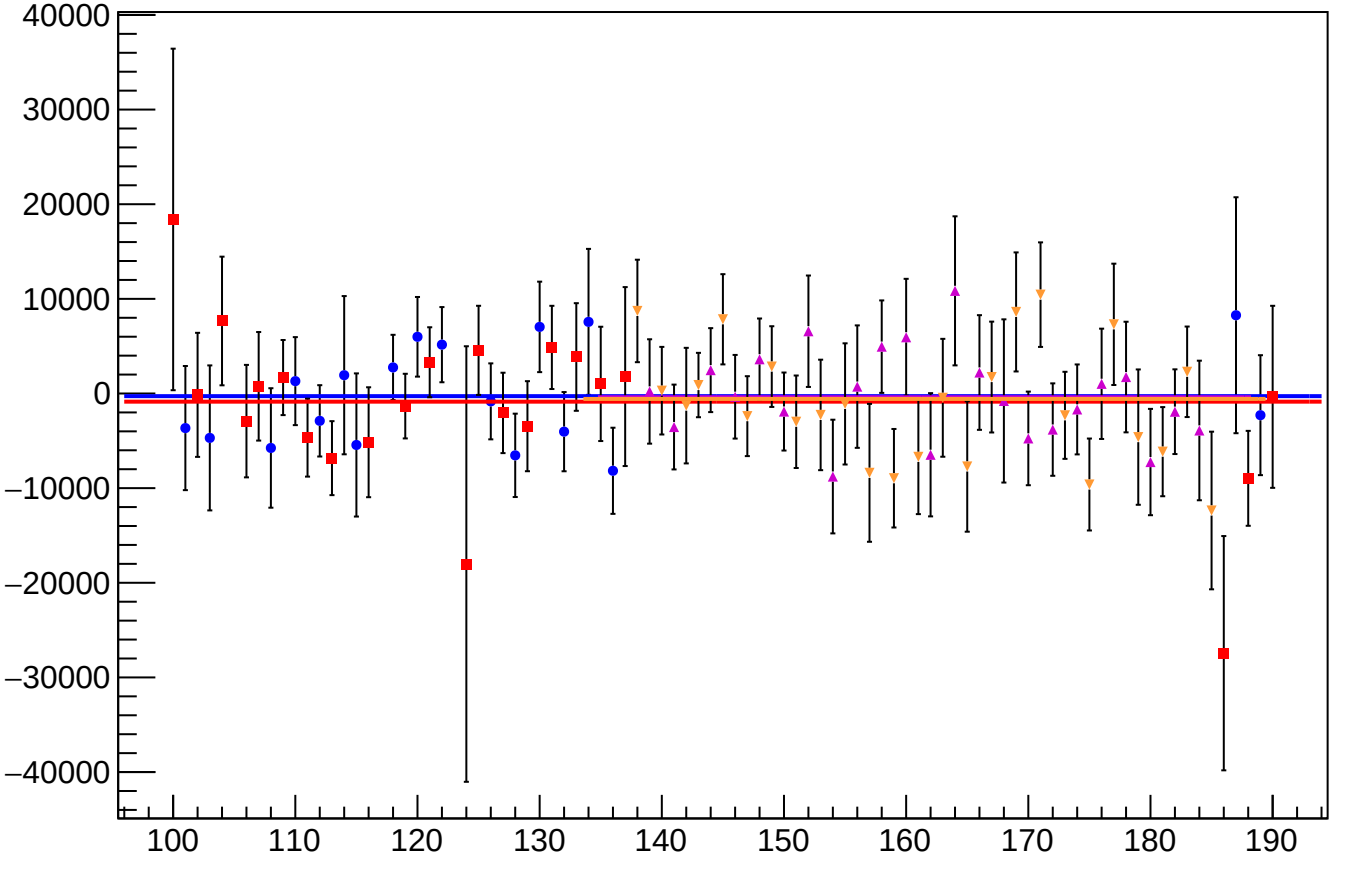
Right: 2460.514+/-0.452 χ^2/NDF: 4435765.4/39

In: 3390.859+/-0.505 χ^2/NDF:7117260.8/40

Out: 3243.000+/-0.469 χ^2/NDF:8697400.8/46

All: 3311.456+/-0.343 χ^2/NDF: 15860758.6/8

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -280.157+/-1171.314 χ^2/NDF: 17.1/17

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -861.837+/-1112.245 χ^2/NDF: 20.4/21

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

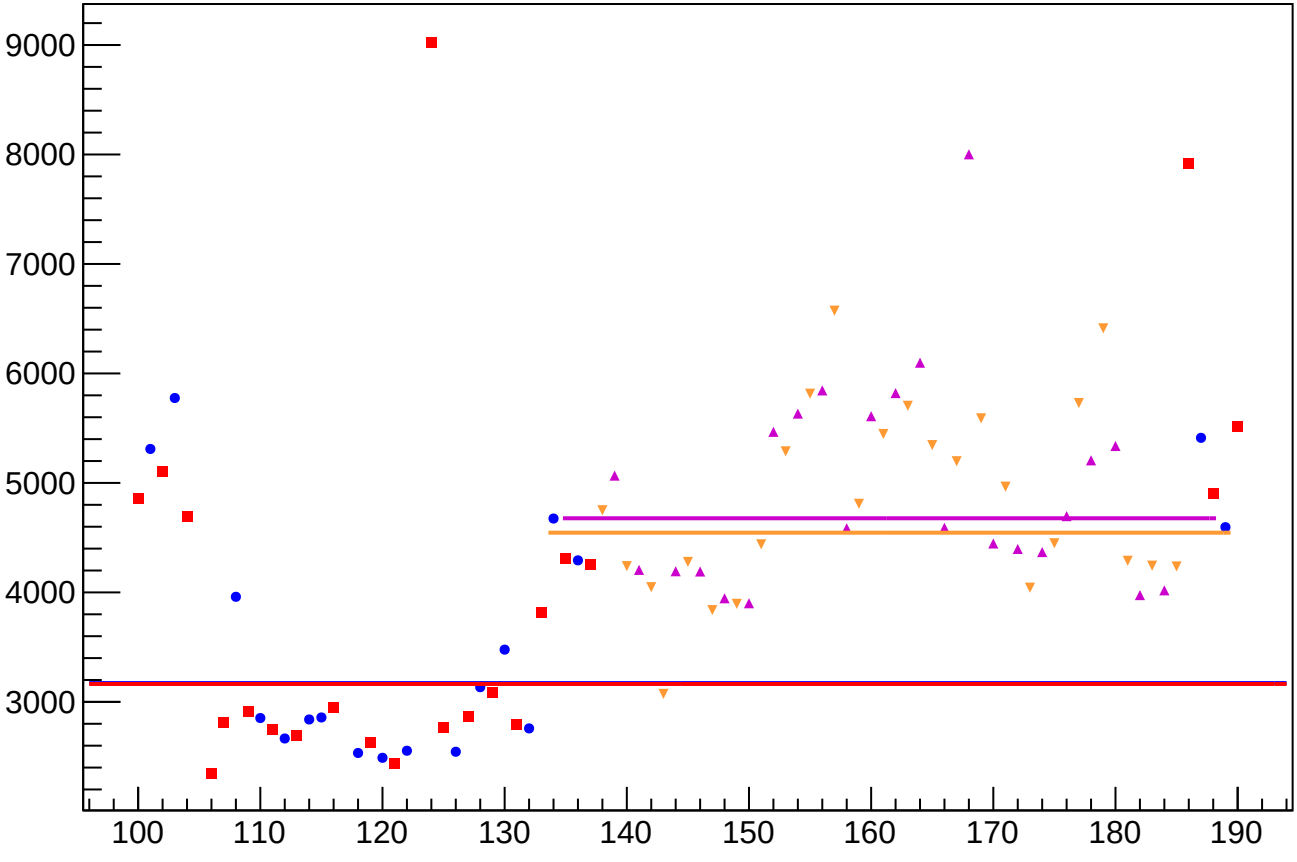
Right: -586.033+/-806.550 χ^2/NDF: 37.7/39

In: -342.483+/-805.498 χ^2/NDF:31.2/40

Out: -709.836+/-765.373 χ^2/NDF:49.2/46

All: -535.537+/-554.843 χ^2/NDF: 80.5/87

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3171.652+/-0.828 χ^2/NDF: 1136425.6/17

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3163.756+/-0.777 χ^2/NDF: 1504778.9/21

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

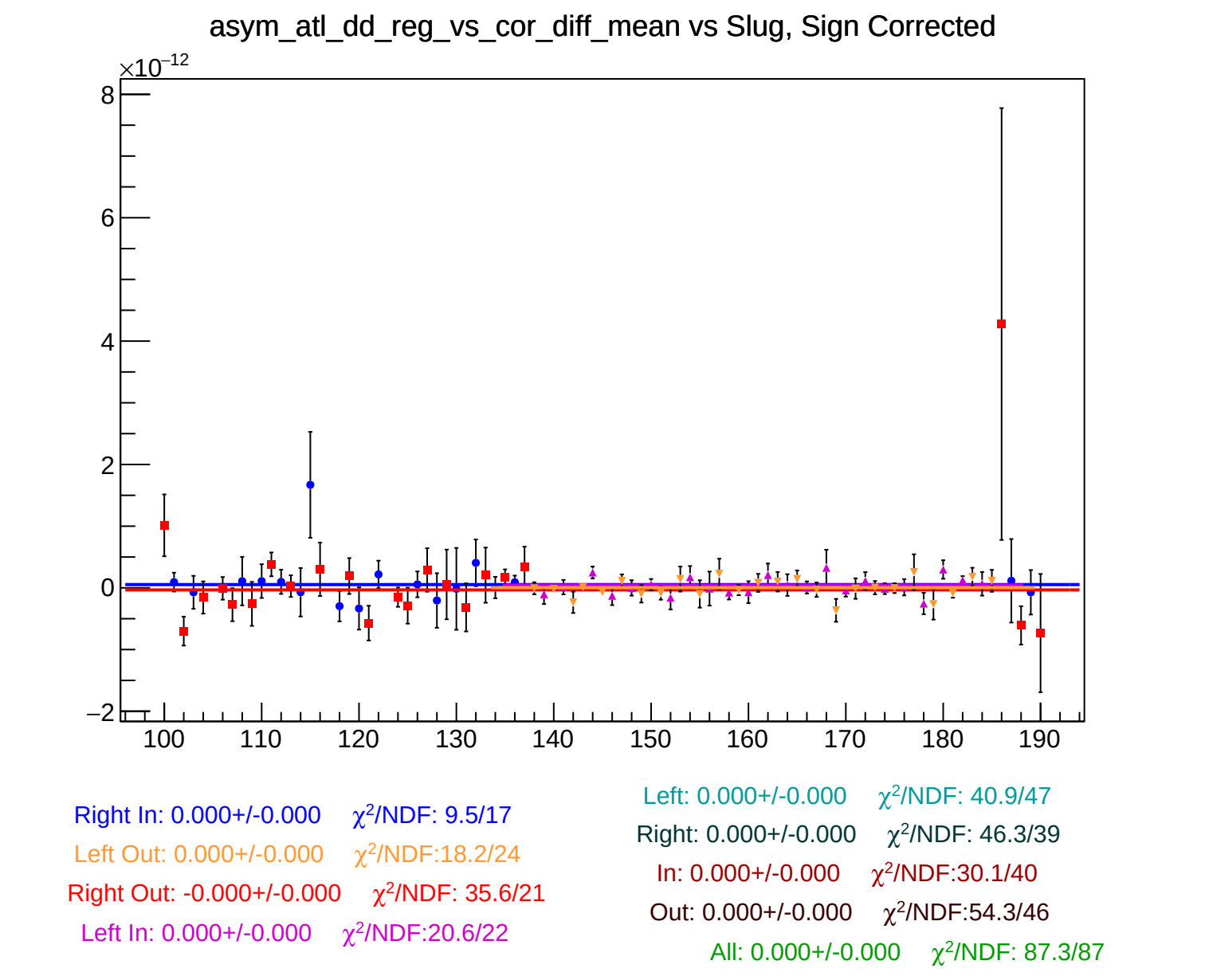
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

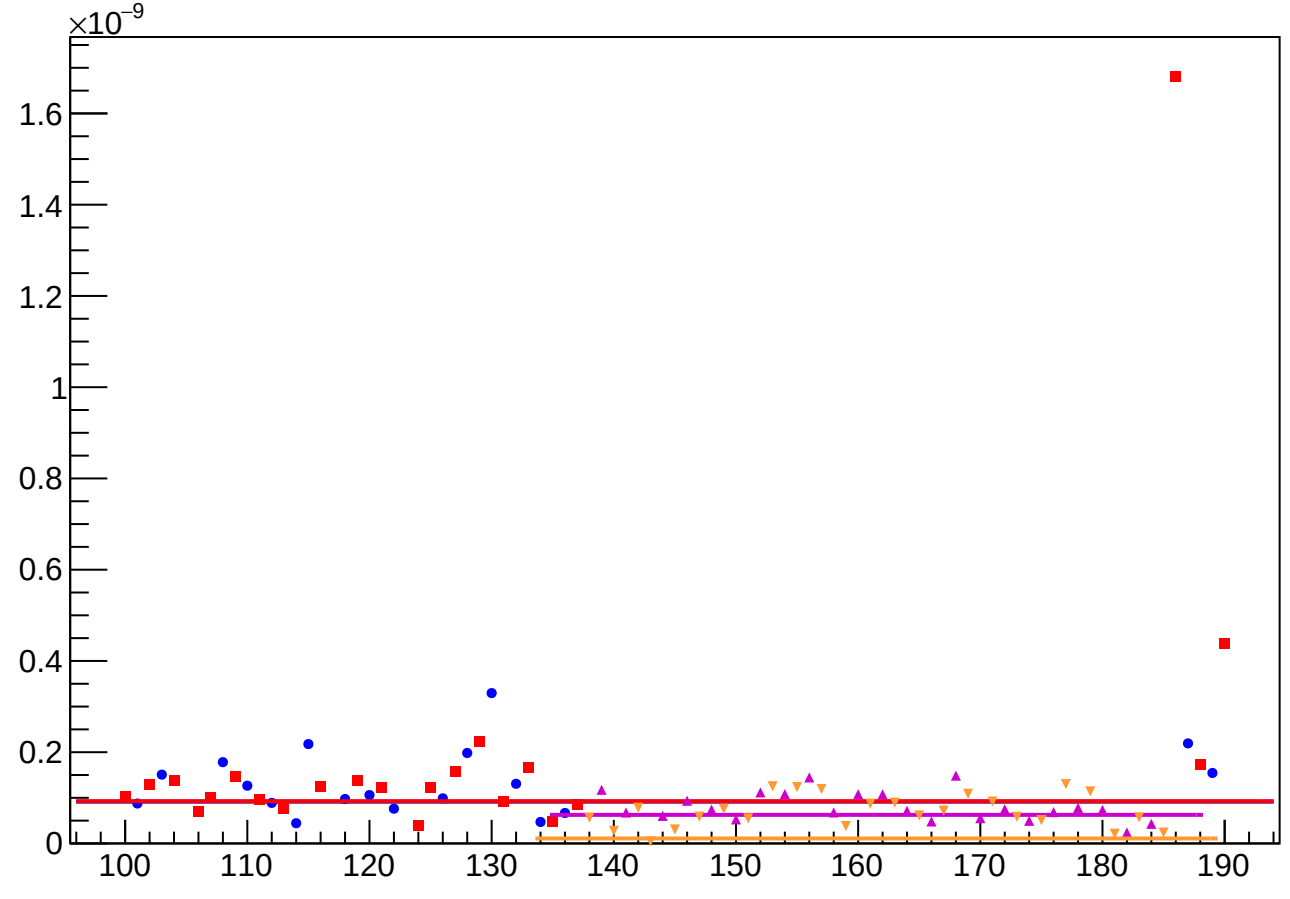
Right: 3167.450+/-0.567 χ^2/NDF: 2641252.8/39

In: 3965.125+/-0.570 χ^2/NDF:3837589.2/40

Out: 3882.488+/-0.538 χ^2/NDF:4409960.7/46

All: 3921.449+/-0.391 χ^2/NDF: 8258675.6/87


asym_atl_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9.5/17
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.6/21
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 40.9/47
Right: 0.000+/-0.000 χ²/NDF: 46.3/39
In: 0.000+/-0.000 χ²/NDF:30.1/40
Out: 0.000+/-0.000 χ²/NDF:54.3/46
All: 0.000+/-0.000 χ²/NDF: 87.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 1085035.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1827810.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

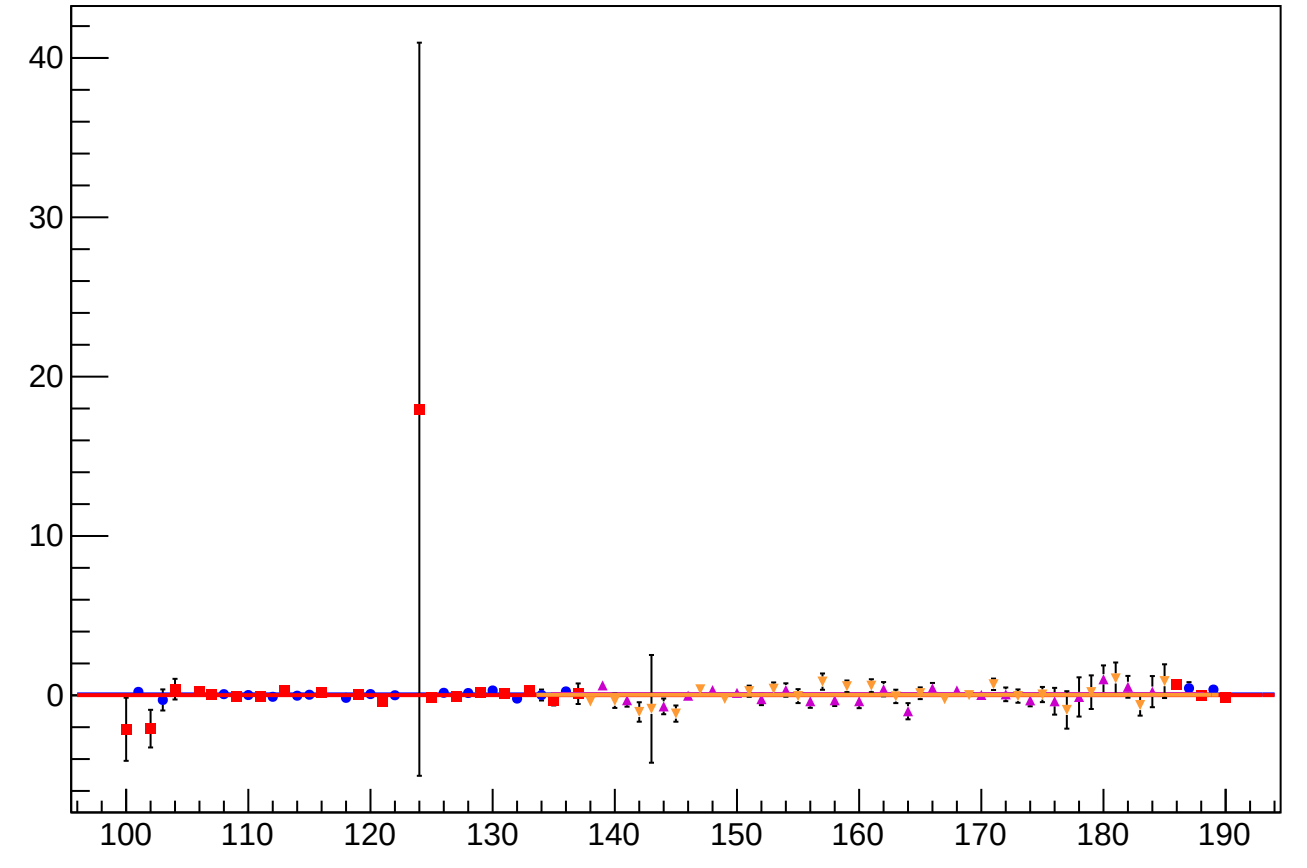
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 2913056.7/39

In: 0.000+/-0.000 χ^2/NDF:3624562.1/40

Out: 0.000+/-0.000 χ^2/NDF:15869162.8/46

All: 0.000+/-0.000 χ^2/NDF: 29237678.3/87



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.011+/-0.037 χ^2/NDF: 28.4/21

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

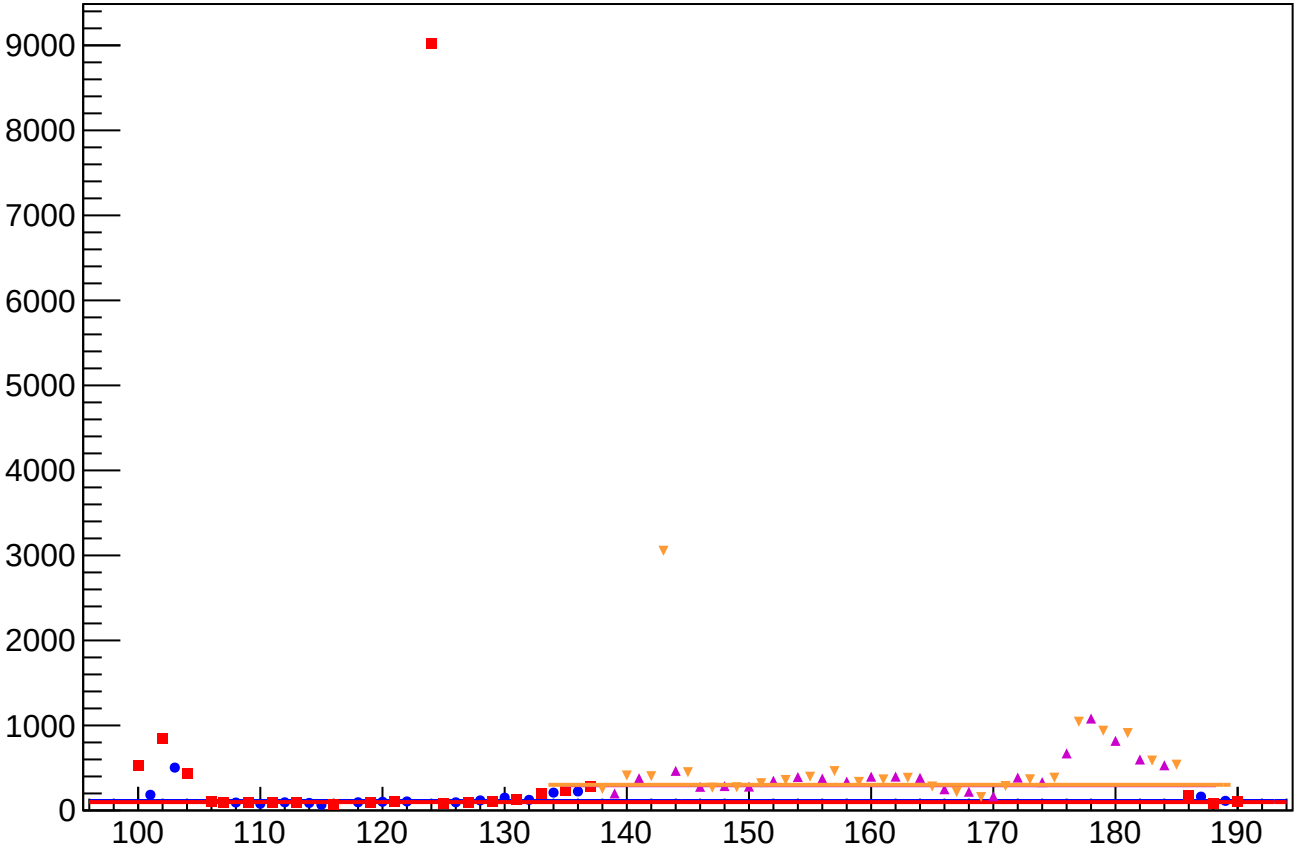
Right: 0.031+/-0.028 χ^2/NDF: 43.0/39

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.016+/-0.034 χ^2/NDF:58.1/46

All: 0.037+/-0.025 χ^2/NDF: 97.1/87

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968366.4/17

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 98.267+/-0.026 χ^2/NDF: 2890926.3/21

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

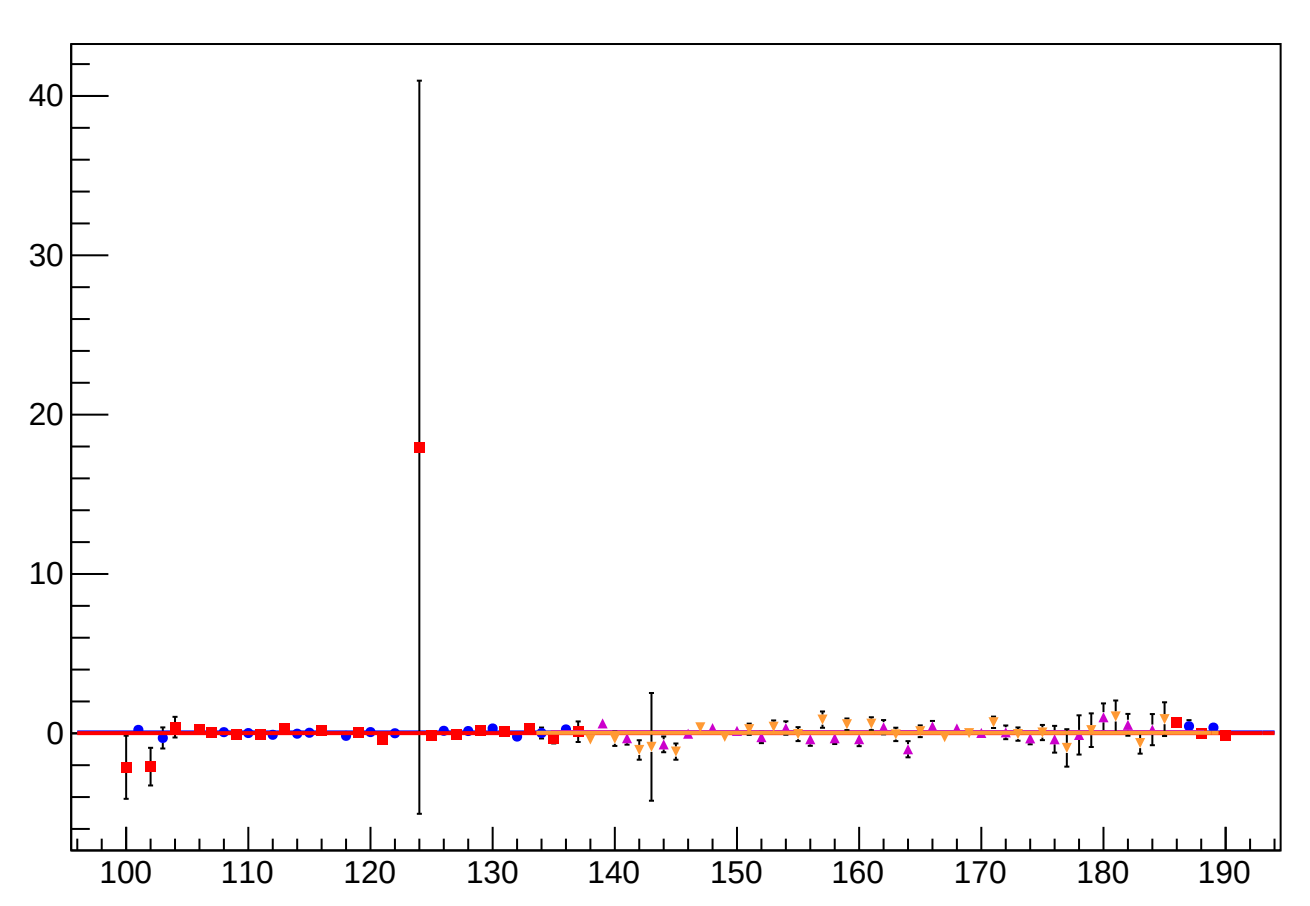
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 103.651+/-0.020 χ^2/NDF: 4956716.9/39

In: 156.716+/-0.027 χ^2/NDF:15974981.2/40

Out: 137.078+/-0.024 χ^2/NDF:20905526.6/46

All: 145.798+/-0.018 χ^2/NDF: 37183896.1/87



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.011+/-0.037 χ^2/NDF: 28.4/21

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

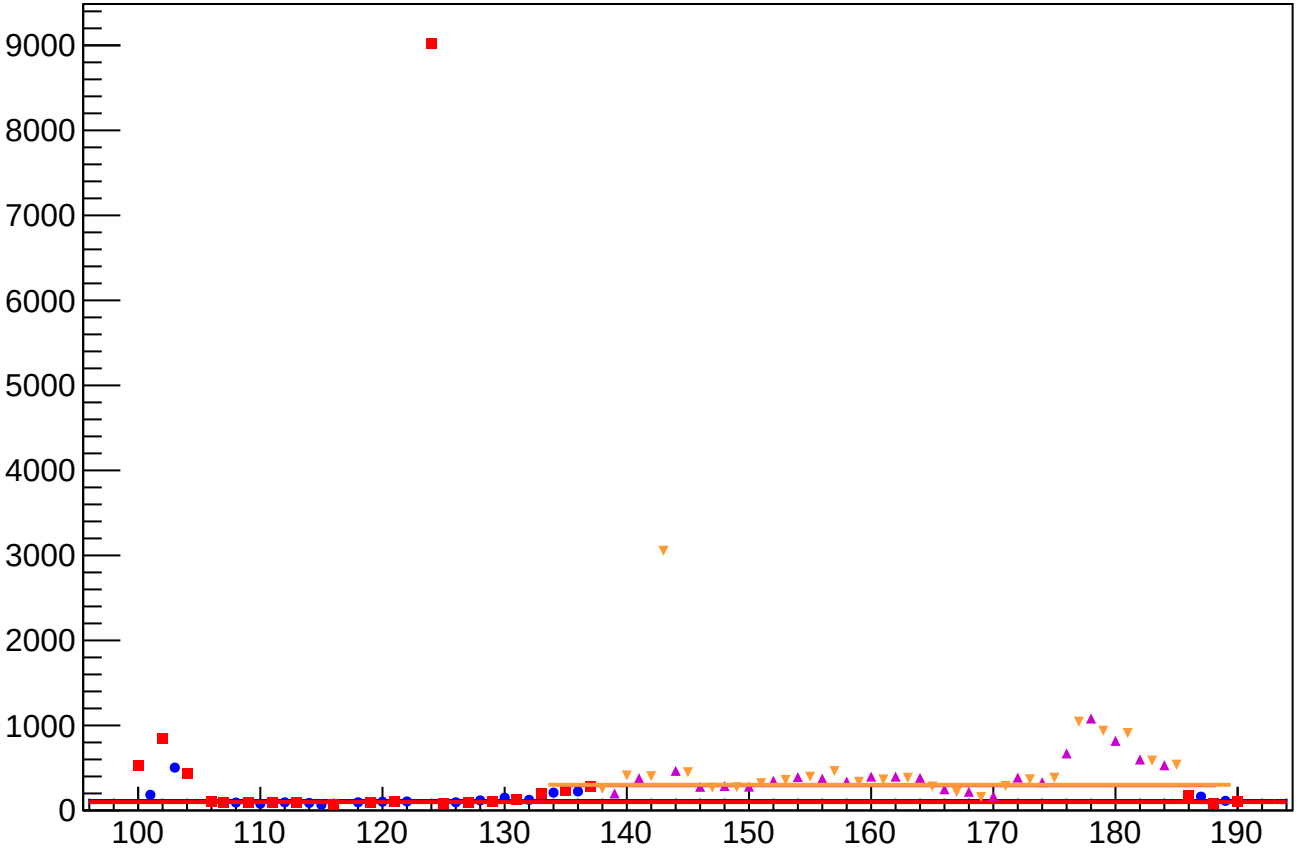
Right: 0.031+/-0.028 χ^2/NDF: 43.0/39

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.016+/-0.034 χ^2/NDF:58.1/46

All: 0.037+/-0.025 χ^2/NDF: 97.1/87

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968366.4/17

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 98.267+/-0.026 χ^2/NDF: 2890926.3/21

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

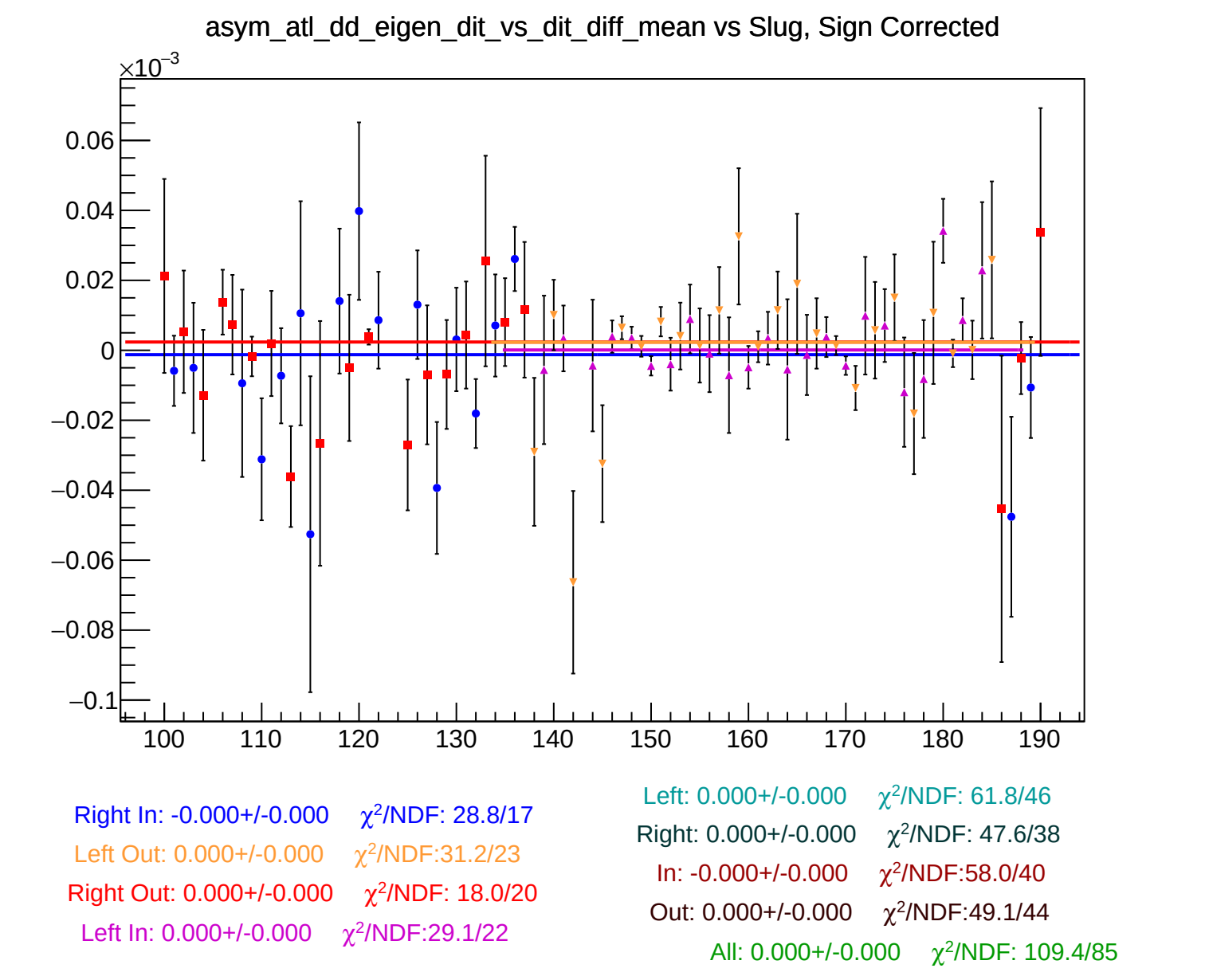
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

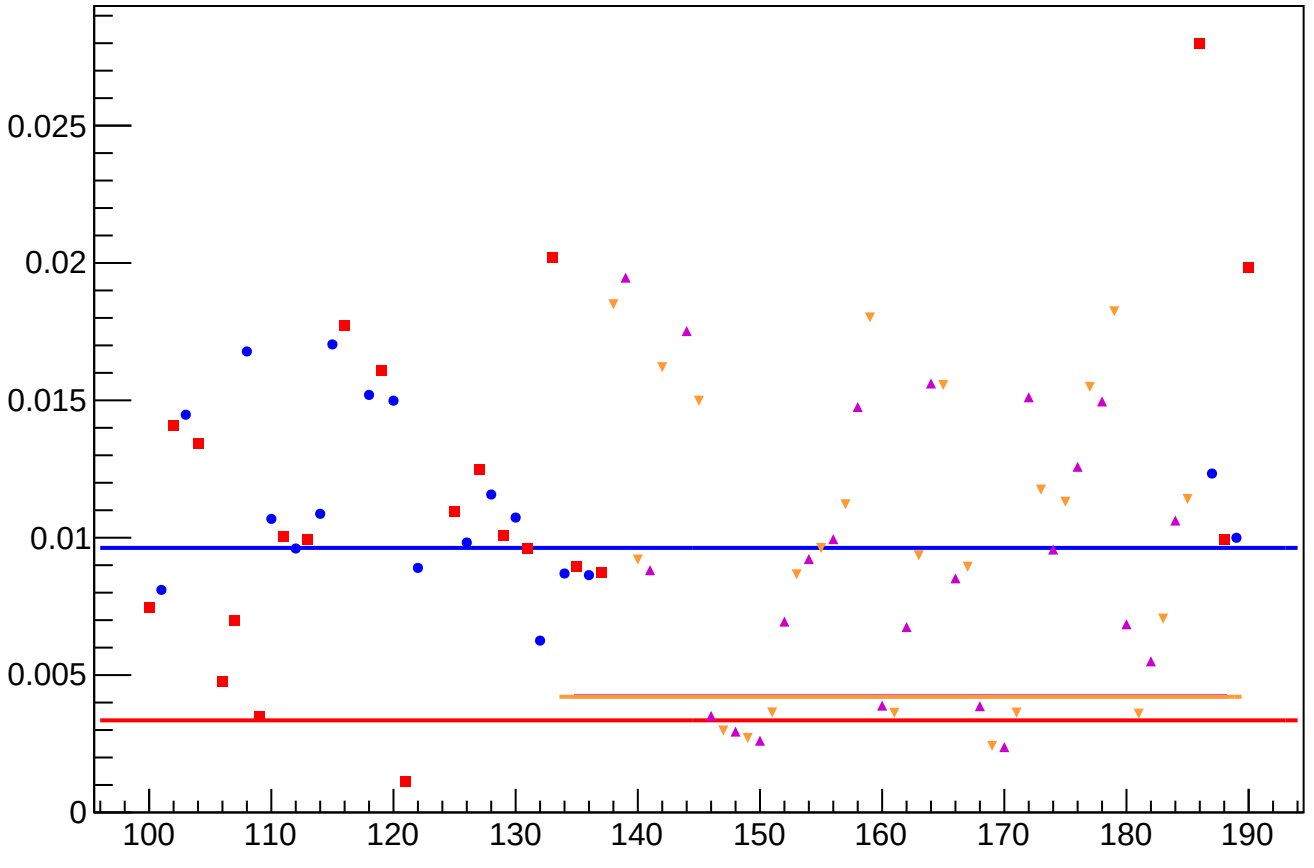
Right: 103.651+/-0.020 χ^2/NDF: 4956716.9/39

In: 156.716+/-0.027 χ^2/NDF:15974981.2/40

Out: 137.078+/-0.024 χ^2/NDF:20905526.6/46

All: 145.798+/-0.018 χ^2/NDF: 37183896.1/87


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 28.8/17
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/20
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.8/46
Right: 0.000+/-0.000 χ²/NDF: 47.6/38
In: -0.000+/-0.000 χ²/NDF:58.0/40
Out: 0.000+/-0.000 χ²/NDF:49.1/44
All: 0.000+/-0.000 χ²/NDF: 109.4/85



Right In: 0.010+/-0.000 χ^2/NDF: 945959.5/17

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10051854.0/20

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

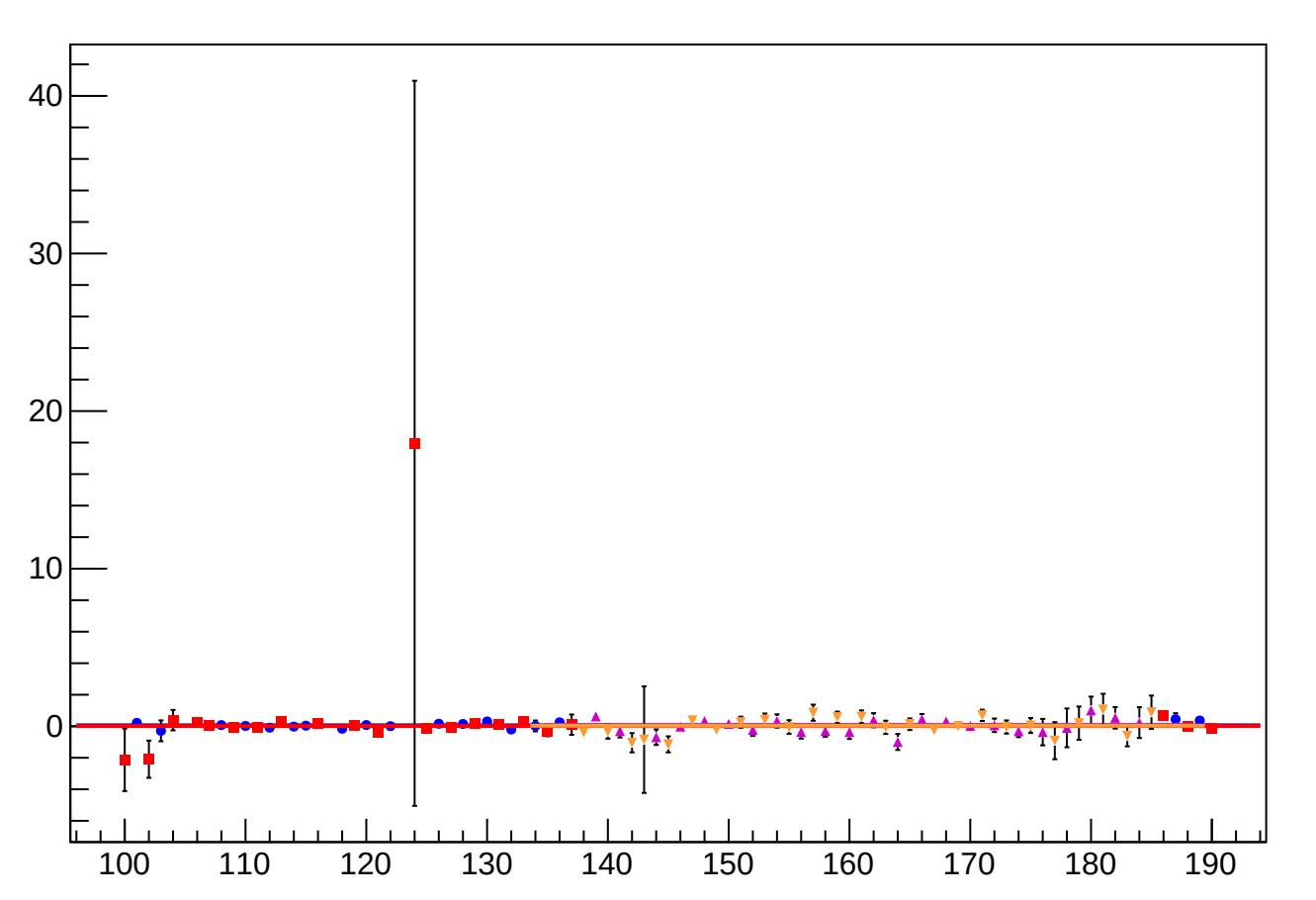
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.005+/-0.000 χ^2/NDF: 15902504.1/38

In: 0.005+/-0.000 χ^2/NDF:16015568.9/40

Out: 0.004+/-0.000 χ^2/NDF:22437438.7/44

All: 0.004+/-0.000 χ^2/NDF: 39107031.5/85



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.011+/-0.037 χ^2/NDF: 28.4/21

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

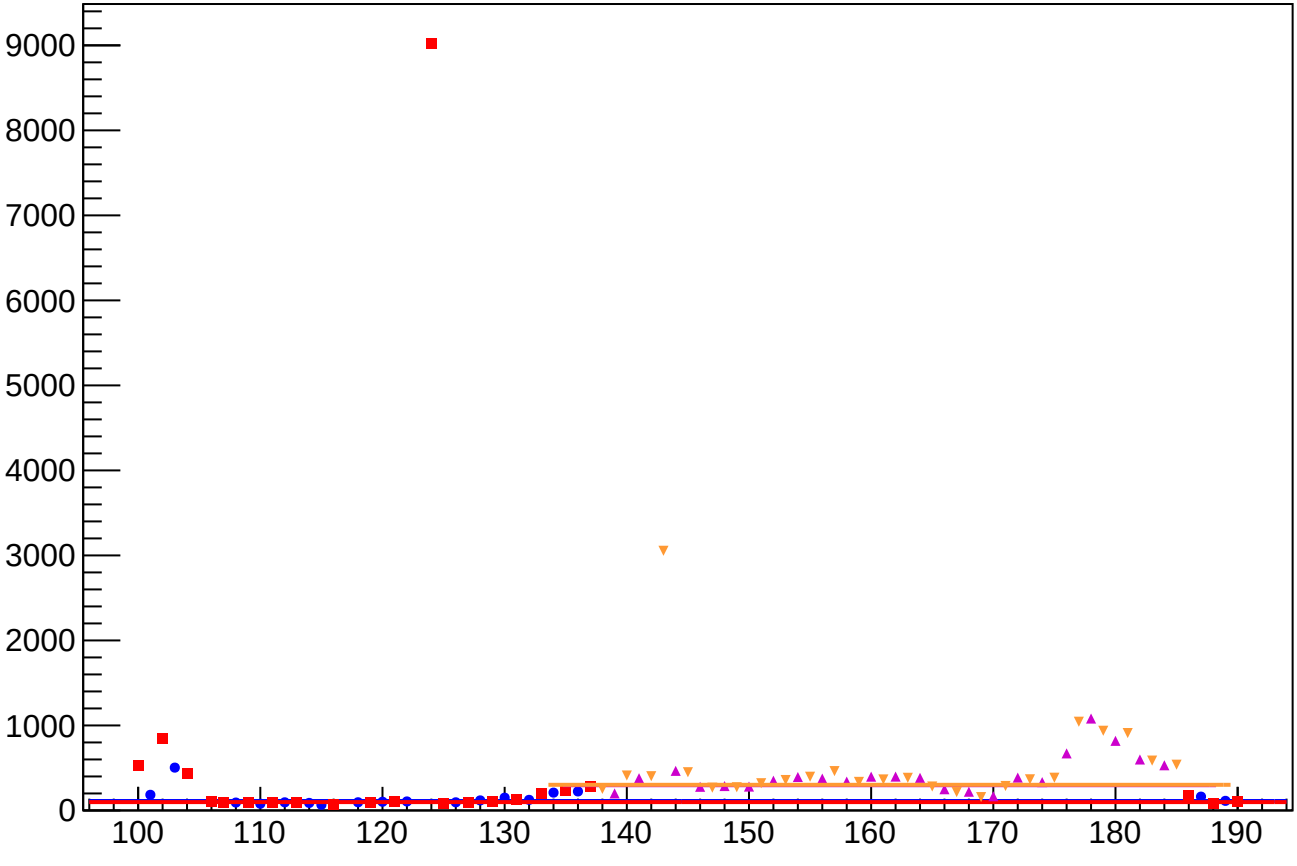
Right: 0.031+/-0.028 χ^2/NDF: 43.0/39

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.016+/-0.034 χ^2/NDF:58.1/46

All: 0.037+/-0.025 χ^2/NDF: 97.1/87

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 98.267+/-0.026 χ^2/NDF: 2890787.7/21

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

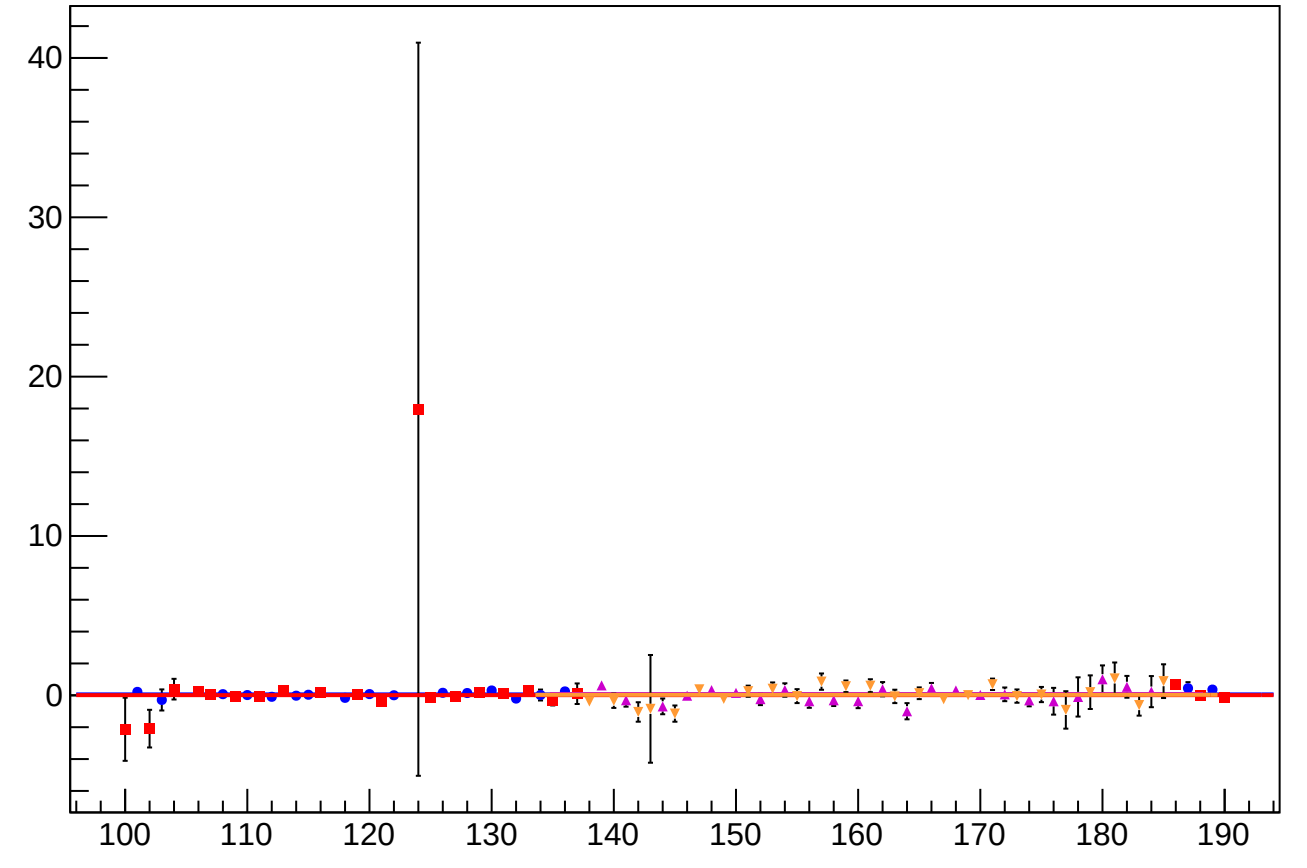
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 103.651+/-0.020 χ^2/NDF: 4956503.4/39

In: 156.716+/-0.027 χ^2/NDF:15975018.7/40

Out: 137.078+/-0.024 χ^2/NDF:20905439.0/46

All: 145.798+/-0.018 χ^2/NDF: 37183836.1/87



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.011+/-0.037 χ^2/NDF: 28.4/21

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

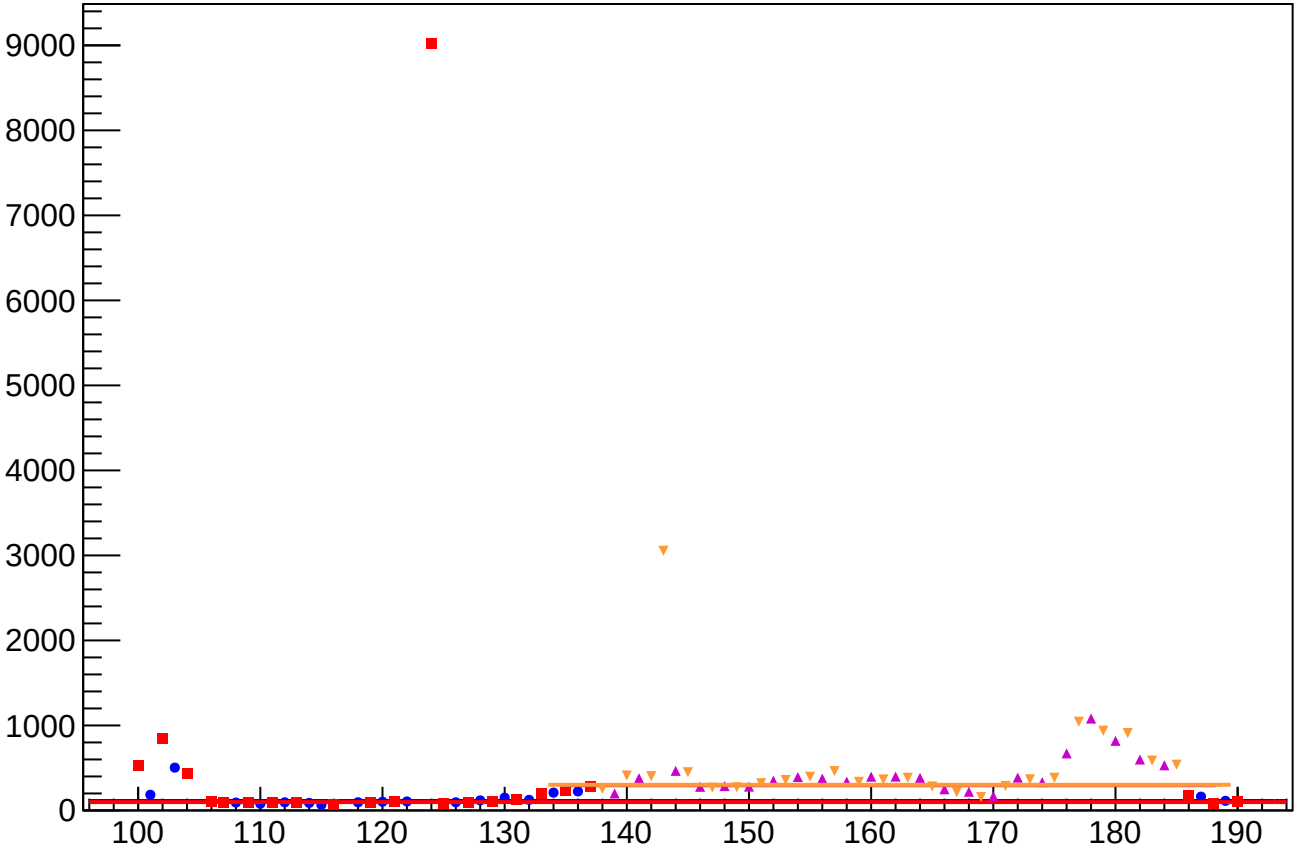
Right: 0.031+/-0.028 χ^2/NDF: 43.0/39

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.016+/-0.034 χ^2/NDF:58.1/46

All: 0.037+/-0.025 χ^2/NDF: 97.1/87

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 98.267+/-0.026 χ^2/NDF: 2890787.7/21

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

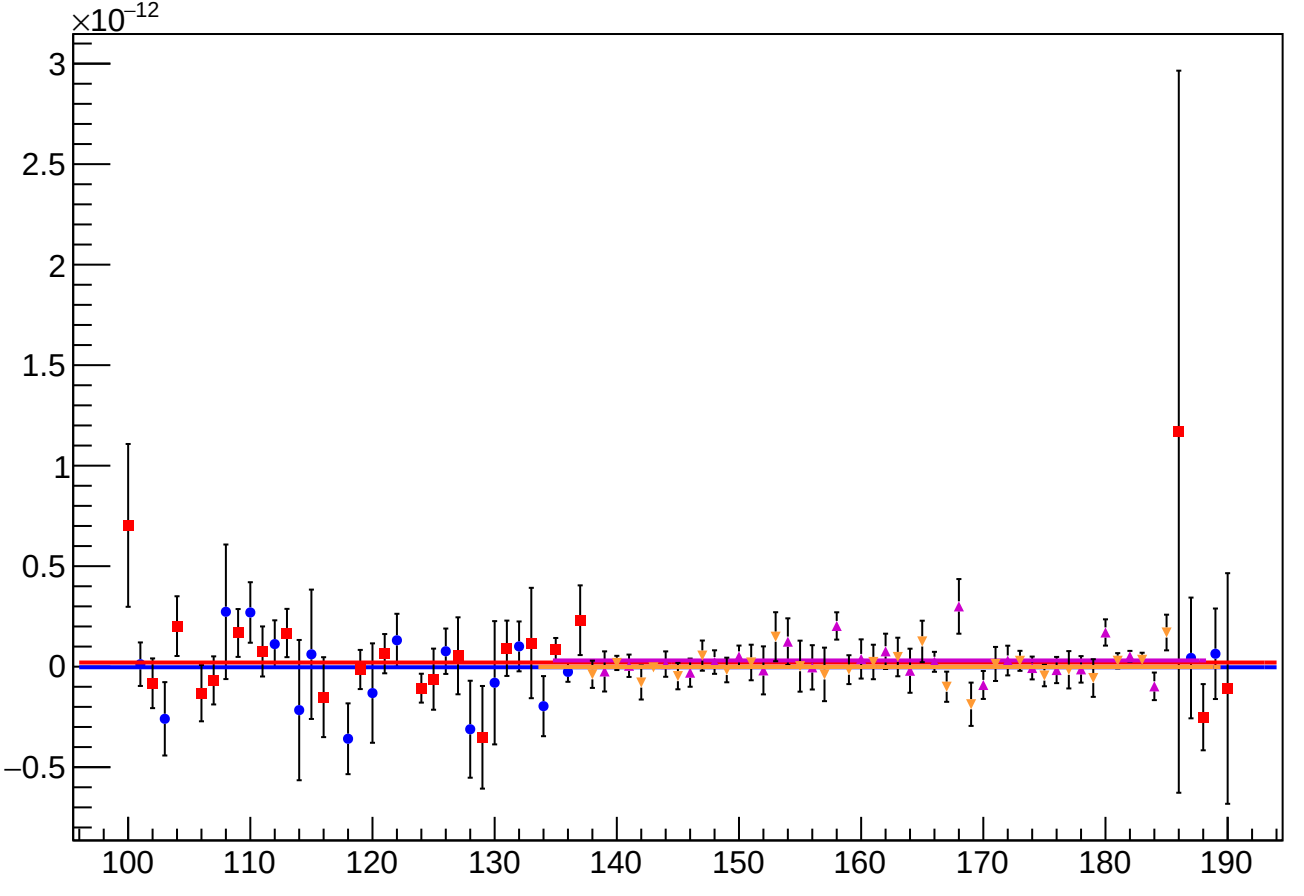
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 103.651+/-0.020 χ^2/NDF: 4956503.4/39

In: 156.716+/-0.027 χ^2/NDF:15975018.7/40

Out: 137.078+/-0.024 χ^2/NDF:20905439.0/46

All: 145.798+/-0.018 χ^2/NDF: 37183836.1/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/21

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

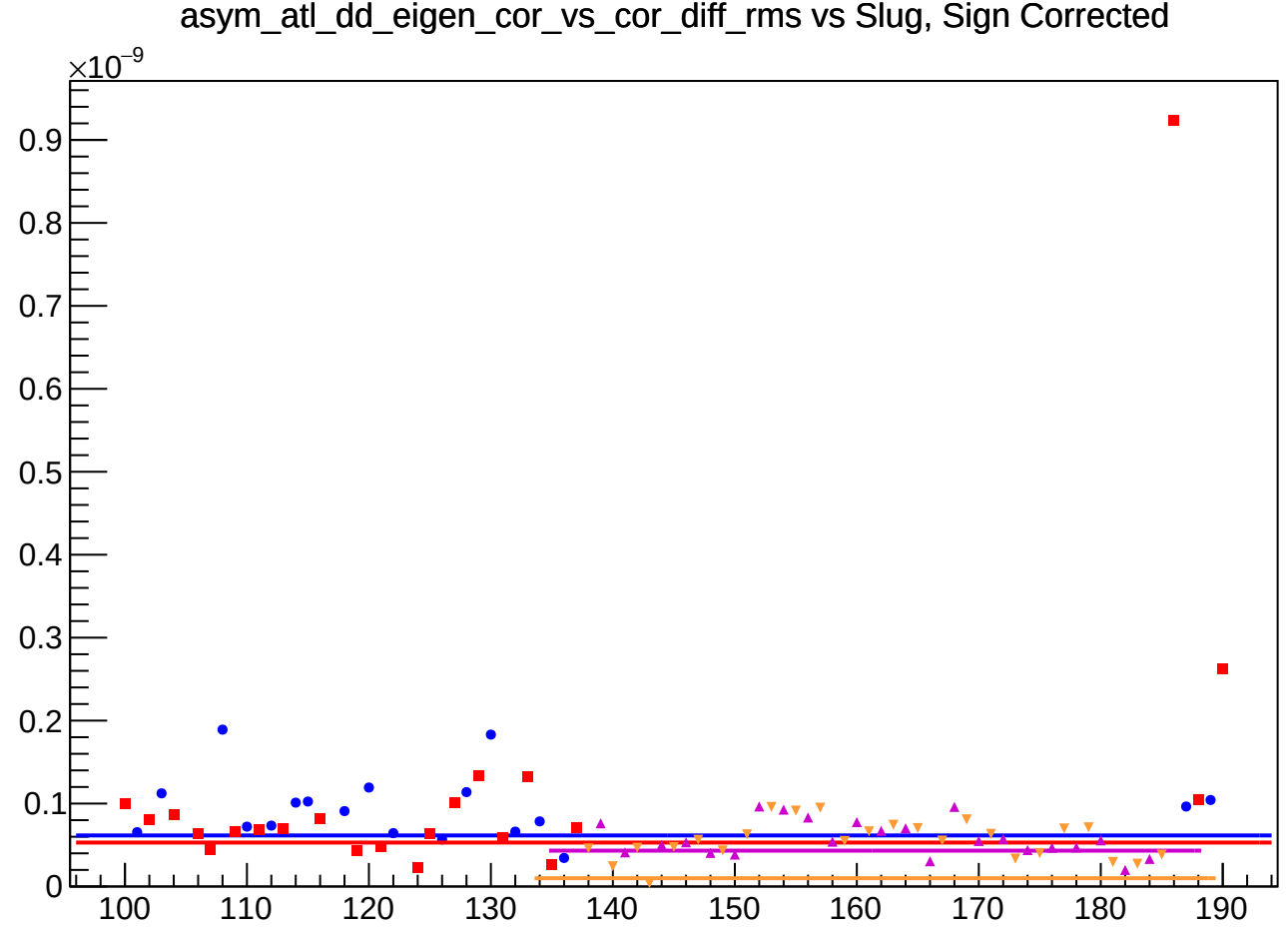
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.8/39

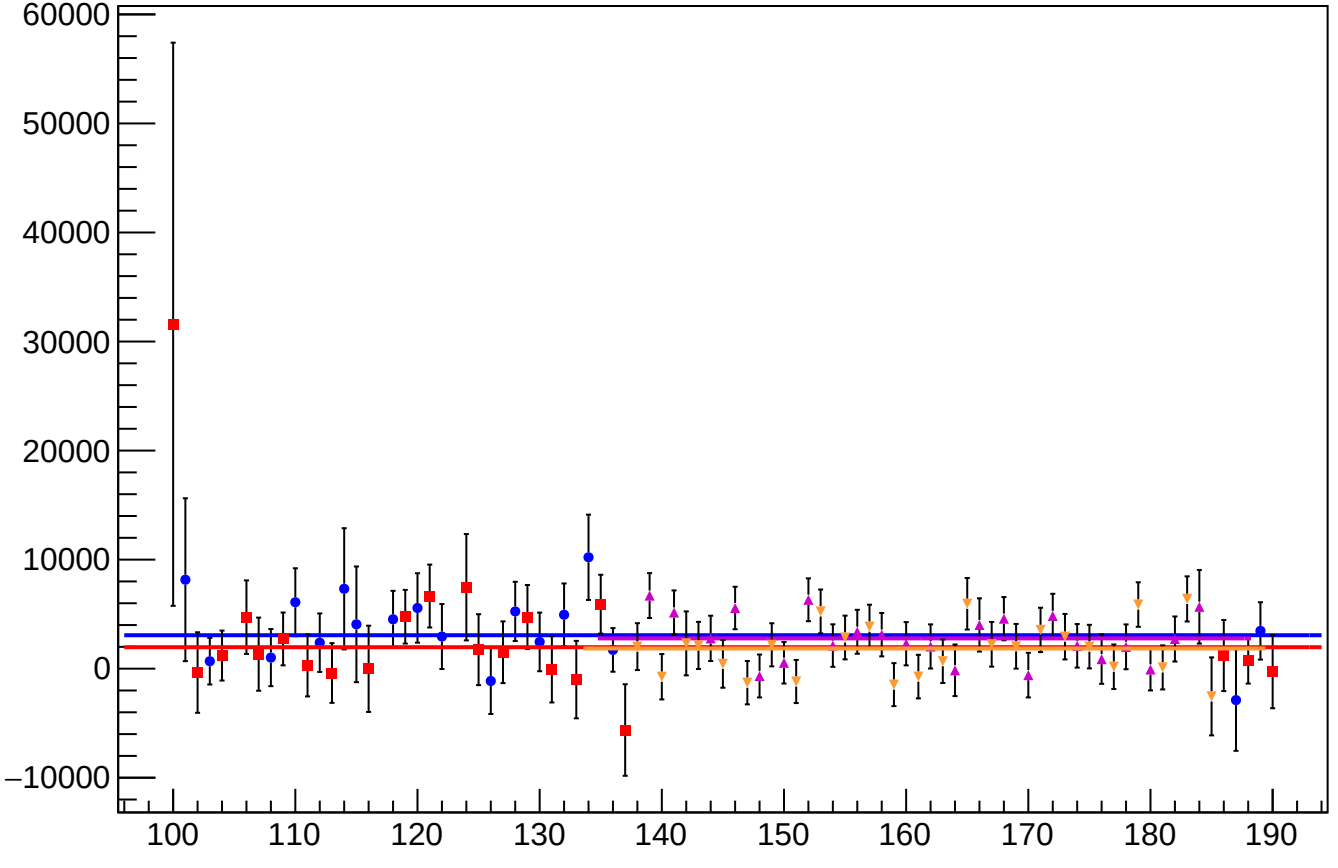
In: 0.000+/-0.000 χ^2/NDF:45.0/40

Out: -0.000+/-0.000 χ^2/NDF:41.3/46

All: 0.000+/-0.000 χ^2/NDF: 90.3/87


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1848325.4/17
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2611721.9/21
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 4546620.1/39
In: 0.000+/-0.000 χ²/NDF:6479636.0/40
Out: 0.000+/-0.000 χ²/NDF:26100803.2/46
All: 0.000+/-0.000 χ²/NDF: 46216100.2/87

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3067.415+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 1968.923+/-647.294 χ^2/NDF: 17.5/21

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

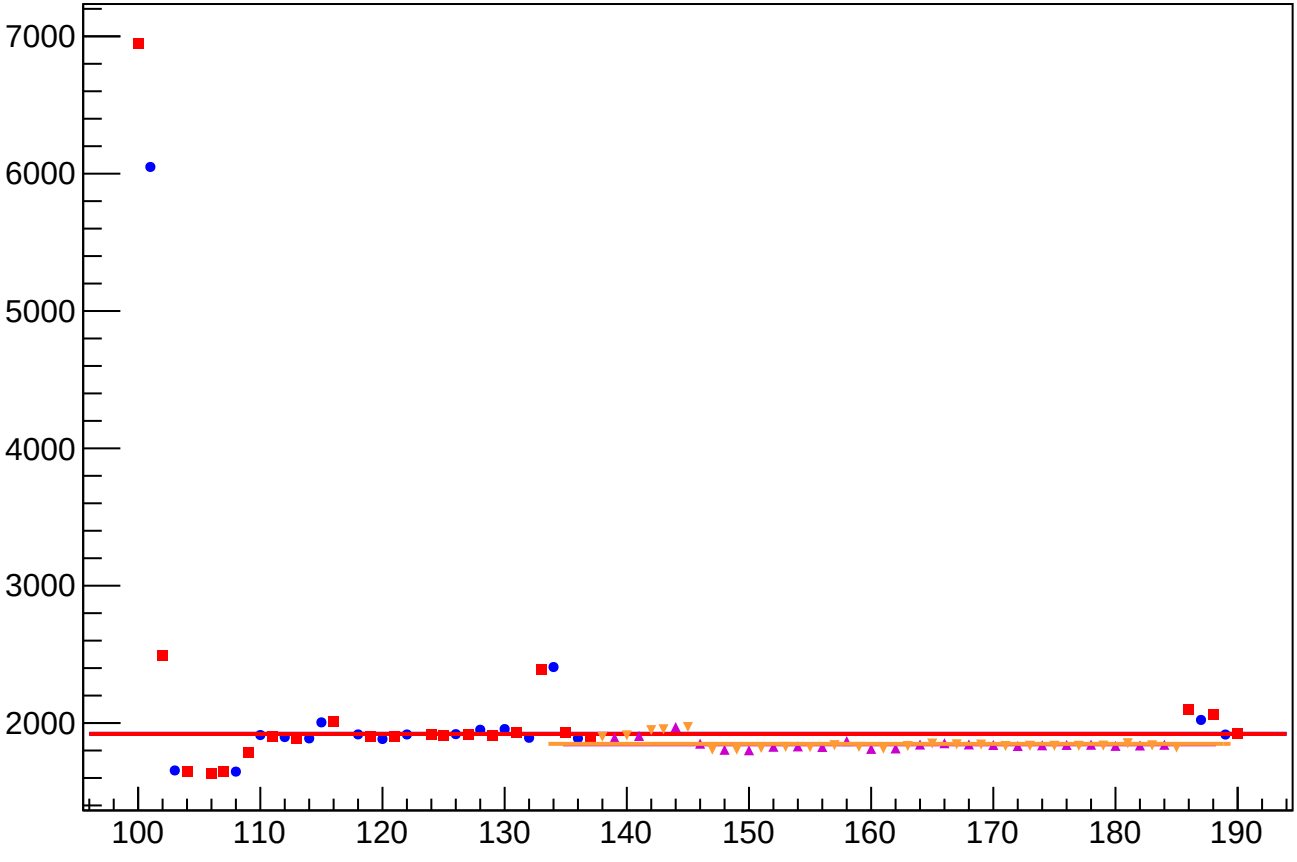
Right: 2478.001+/-474.148 χ^2/NDF: 32.2/39

In: 2856.489+/-366.423 χ^2/NDF:39.0/40

Out: 1886.642+/-352.334 χ^2/NDF:49.0/46

All: 2352.562+/-253.973 χ^2/NDF: 91.6/87

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1921.874+/-0.492 χ^2/NDF: 698293.0/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1920.138+/-0.456 χ^2/NDF: 239813.9/21

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

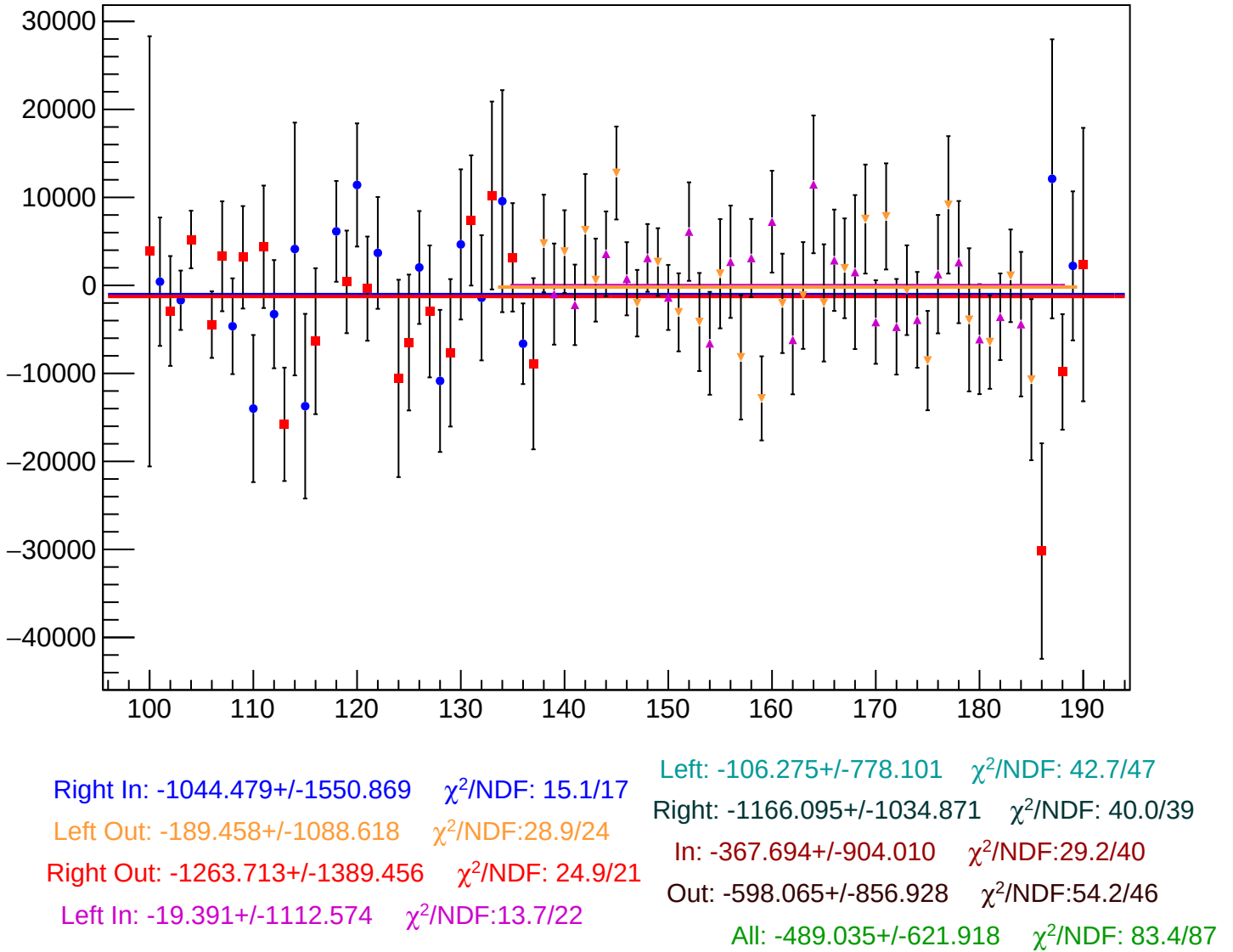
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

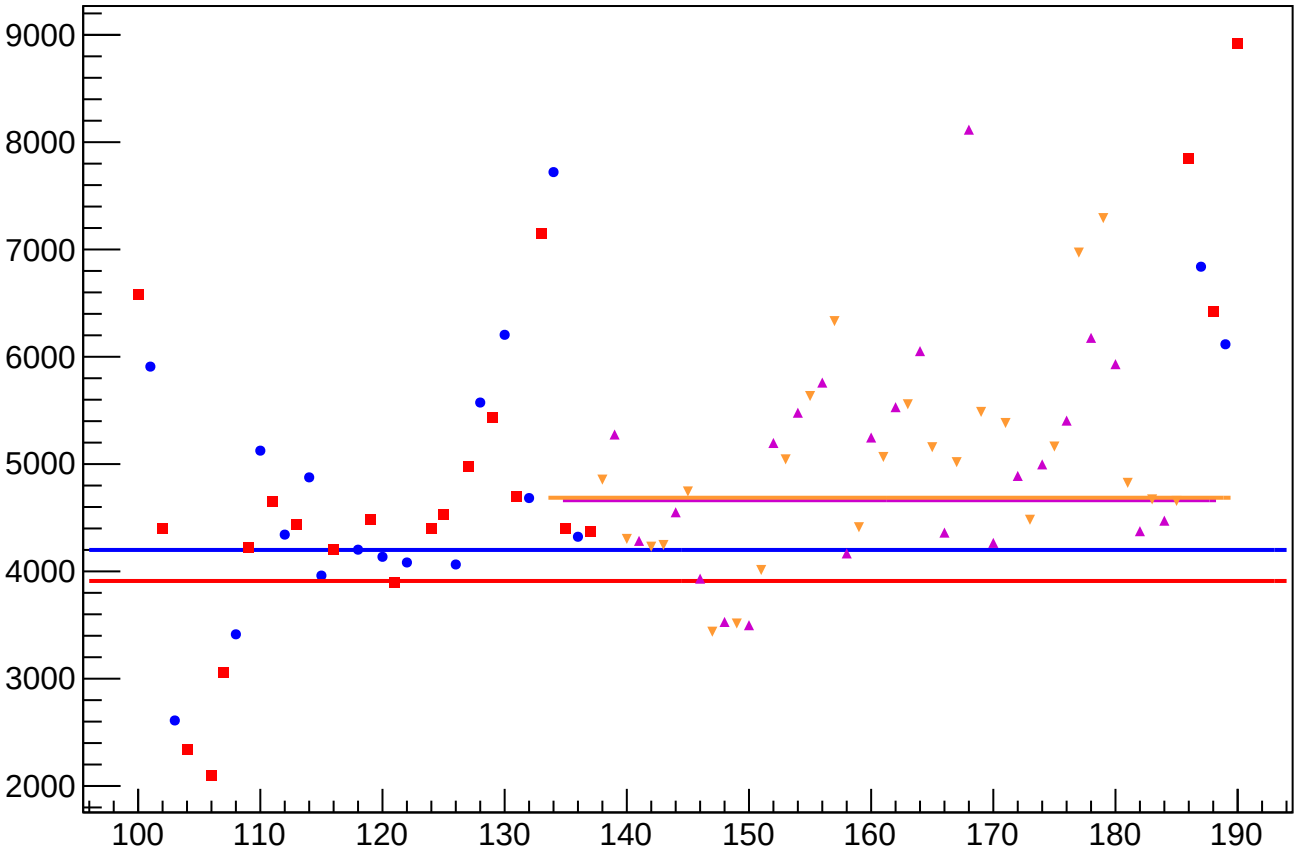
Right: 1920.940+/-0.335 χ^2/NDF: 938113.6/39

In: 1866.321+/-0.259 χ^2/NDF:729911.8/40

Out: 1869.826+/-0.249 χ^2/NDF:277998.9/46

All: 1868.144+/-0.180 χ^2/NDF: 1008005.9/87


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1044.479+/-1550.869 χ²/NDF: 15.1/17
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -1263.713+/-1389.456 χ²/NDF: 24.9/21
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -1166.095+/-1034.871 χ²/NDF: 40.0/39
In: -367.694+/-904.010 χ²/NDF:29.2/40
Out: -598.065+/-856.928 χ²/NDF:54.2/46
All: -489.035+/-621.918 χ²/NDF: 83.4/87



Right In: 4199.759+/-1.097 χ^2/NDF: 1121068.6/17

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3910.616+/-0.982 χ^2/NDF: 2108621.7/21

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

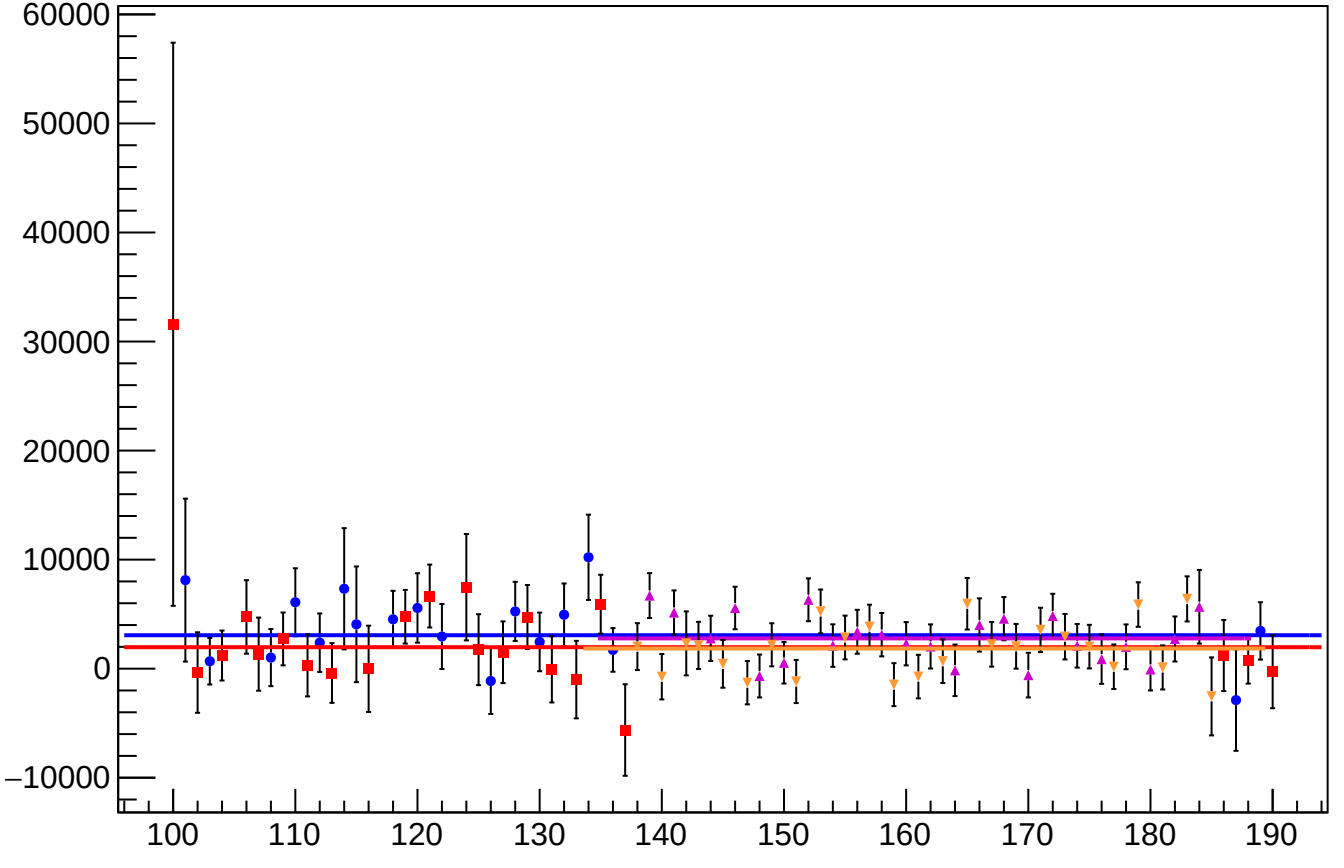
Right: 4039.362+/-0.732 χ^2/NDF: 3268254.8/39

In: 4505.780+/-0.639 χ^2/NDF:2525743.5/40

Out: 4391.291+/-0.606 χ^2/NDF:3679969.1/46

All: 4445.477+/-0.440 χ^2/NDF: 6222608.6/87

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3066.781+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1969.821+/-647.297 χ^2/NDF: 17.5/21

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

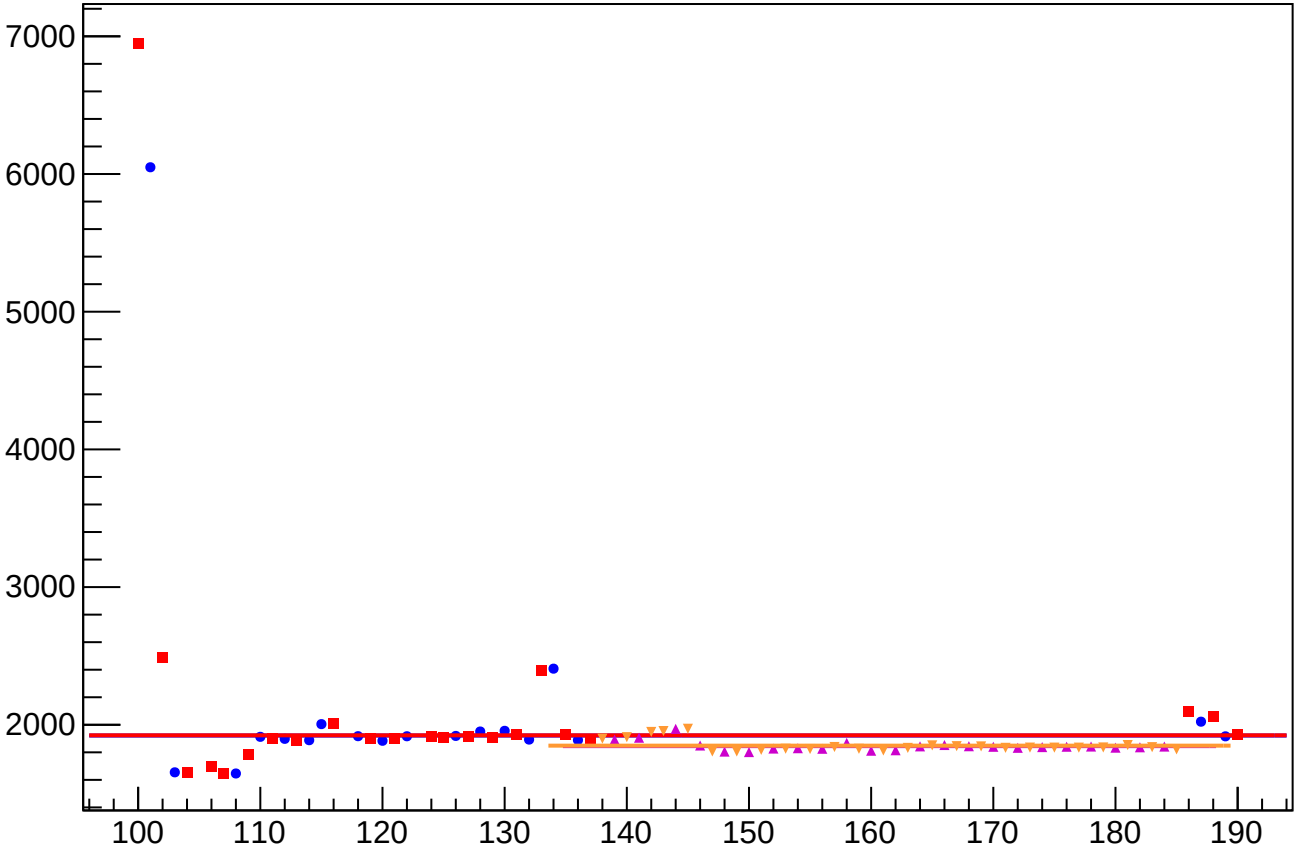
Right: 2478.191+/-474.149 χ^2/NDF: 32.2/39

In: 2856.297+/-366.423 χ^2/NDF:38.9/40

Out: 1886.829+/-352.335 χ^2/NDF:49.0/46

All: 2352.568+/-253.973 χ^2/NDF: 91.6/87

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1921.874+/-0.492 χ^2/NDF: 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.536+/-0.457 χ^2/NDF: 232405.9/21

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

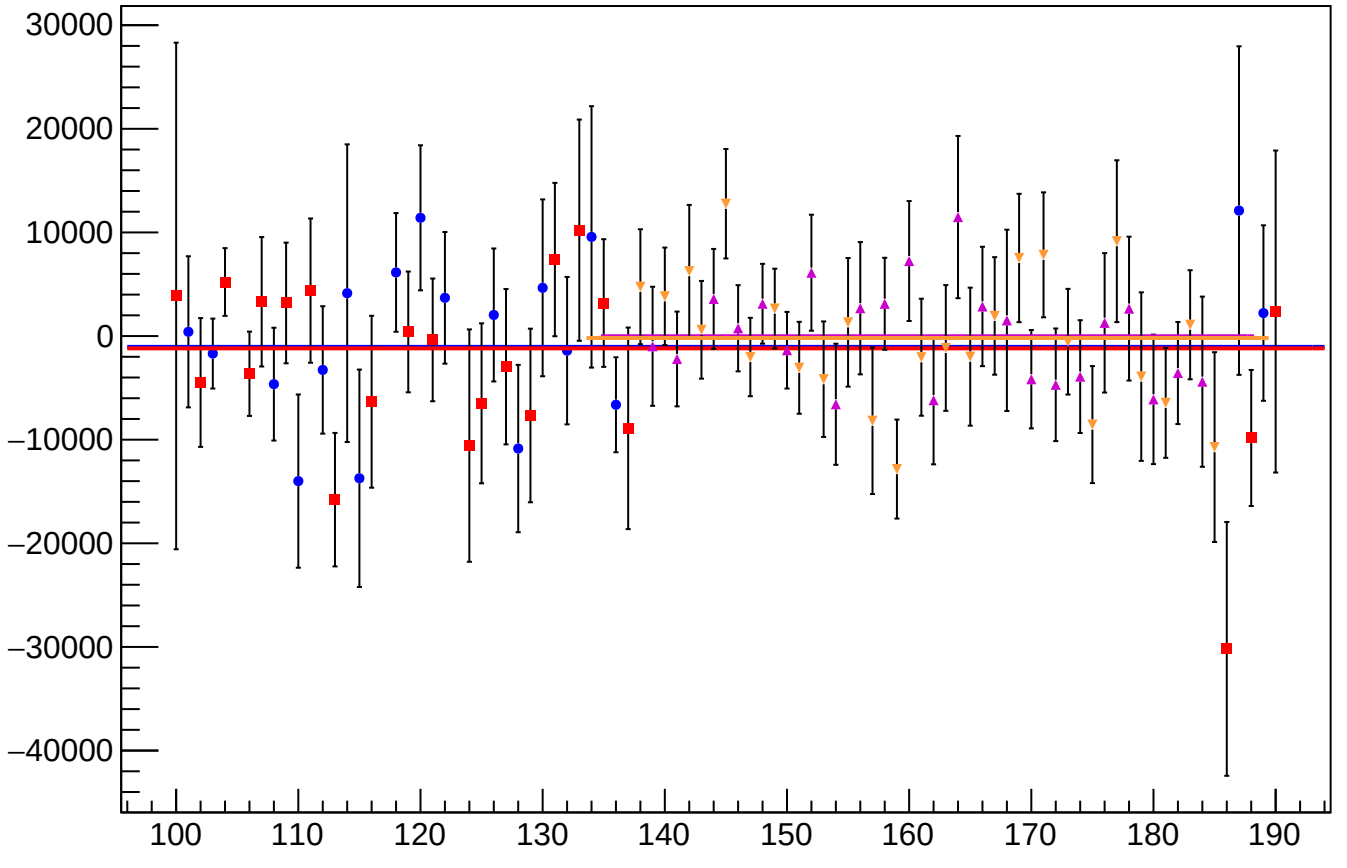
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1922.767+/-0.335 χ^2/NDF: 930704.1/39

In: 1866.321+/-0.259 χ^2/NDF:729911.1/40

Out: 1870.788+/-0.249 χ^2/NDF:272229.4/46

All: 1868.643+/-0.180 χ^2/NDF: 1002295.0/87



Right In: -1044.824+/-1550.872 χ^2/NDF: 15.1/17

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1186.958+/-1402.147 χ^2/NDF: 24.7/21

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

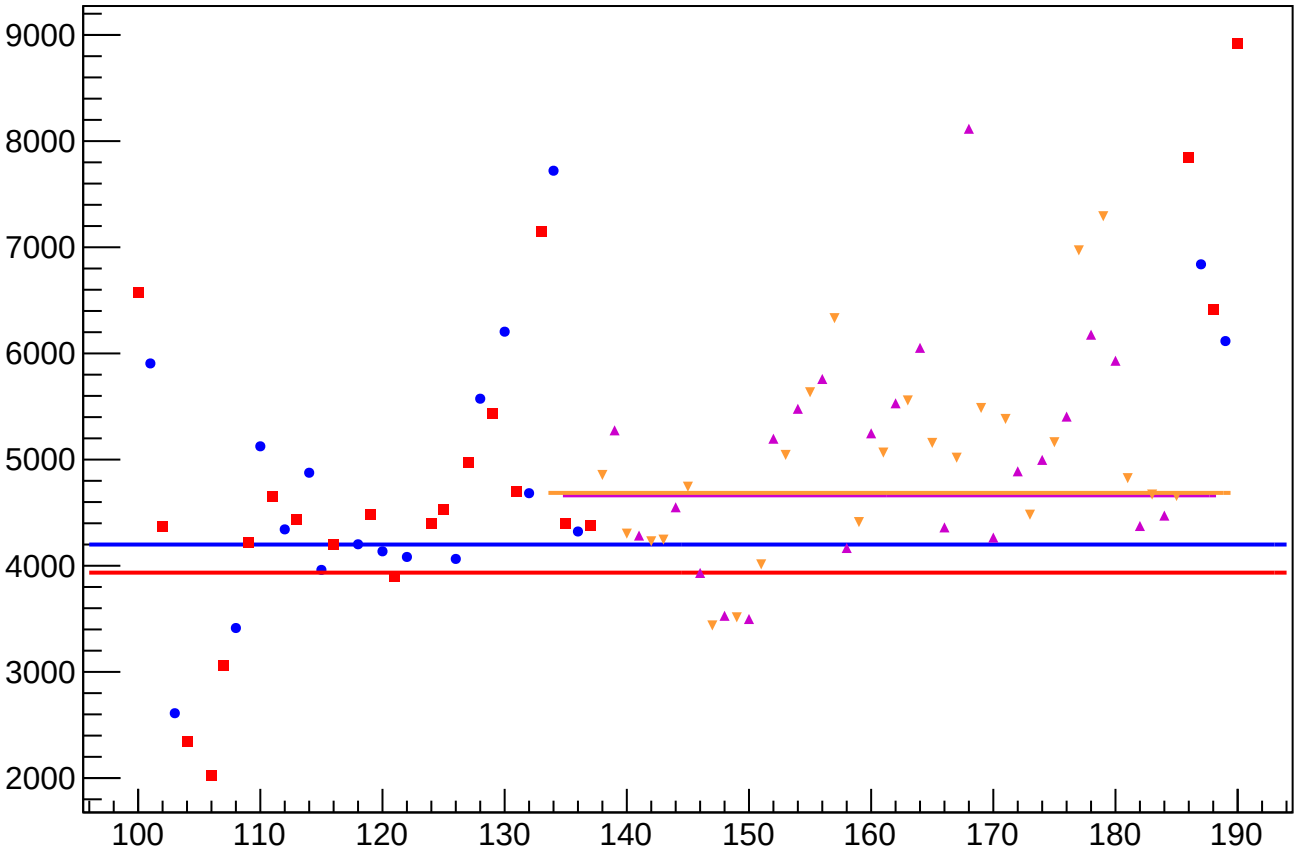
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1123.031+/-1040.083 χ^2/NDF: 39.8/39

In: -367.838+/-904.011 χ^2/NDF:29.2/40

Out: -564.623+/-859.879 χ^2/NDF:53.9/46

All: -471.150+/-623.044 χ^2/NDF: 83.1/87



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3935.074+/-0.991 χ^2/NDF: 2076994.4/21

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

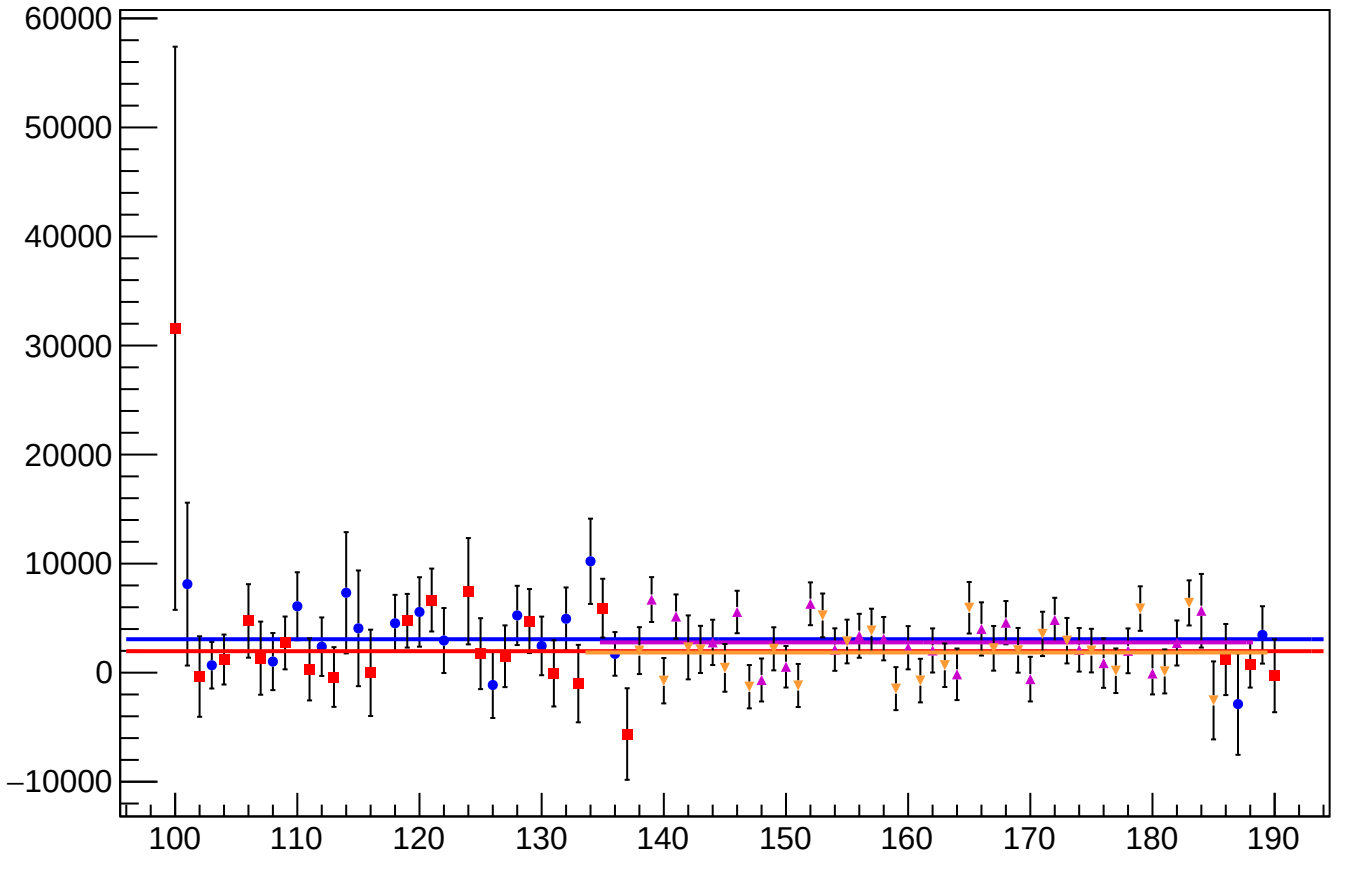
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4054.159+/-0.735 χ^2/NDF: 3229627.0/39

In: 4505.812+/-0.639 χ^2/NDF:2525183.2/40

Out: 4403.803+/-0.608 χ^2/NDF:3620313.6/46

All: 4452.256+/-0.441 χ^2/NDF: 6158866.5/87



Right In: 3066.781+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1969.821+/-647.297 χ^2/NDF: 17.5/21

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

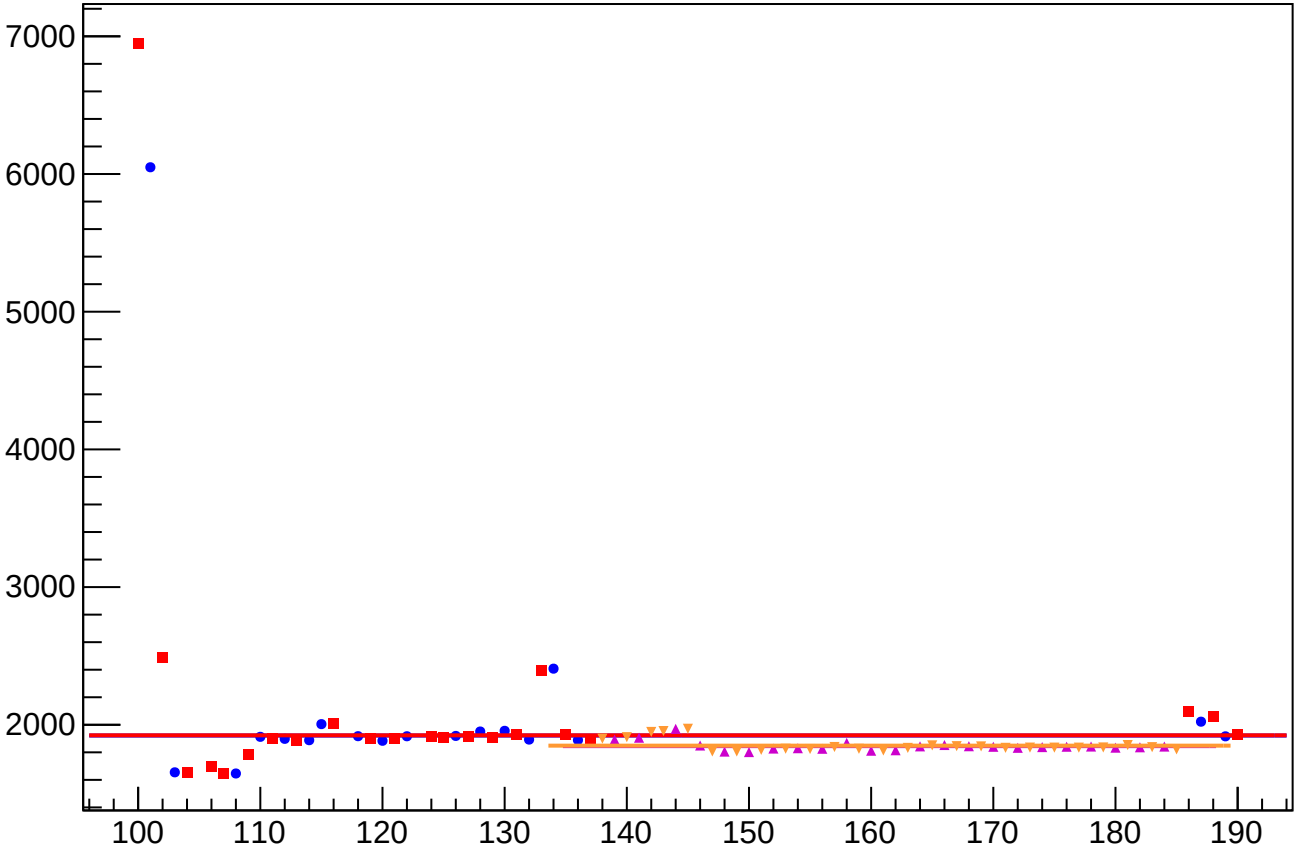
Right: 2478.191+/-474.149 χ^2/NDF: 32.2/39

In: 2856.297+/-366.423 χ^2/NDF:38.9/40

Out: 1886.829+/-352.335 χ^2/NDF:49.0/46

All: 2352.568+/-253.973 χ^2/NDF: 91.6/87

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1921.874+/-0.492 χ^2/NDF: 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.536+/-0.457 χ^2/NDF: 232405.9/21

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

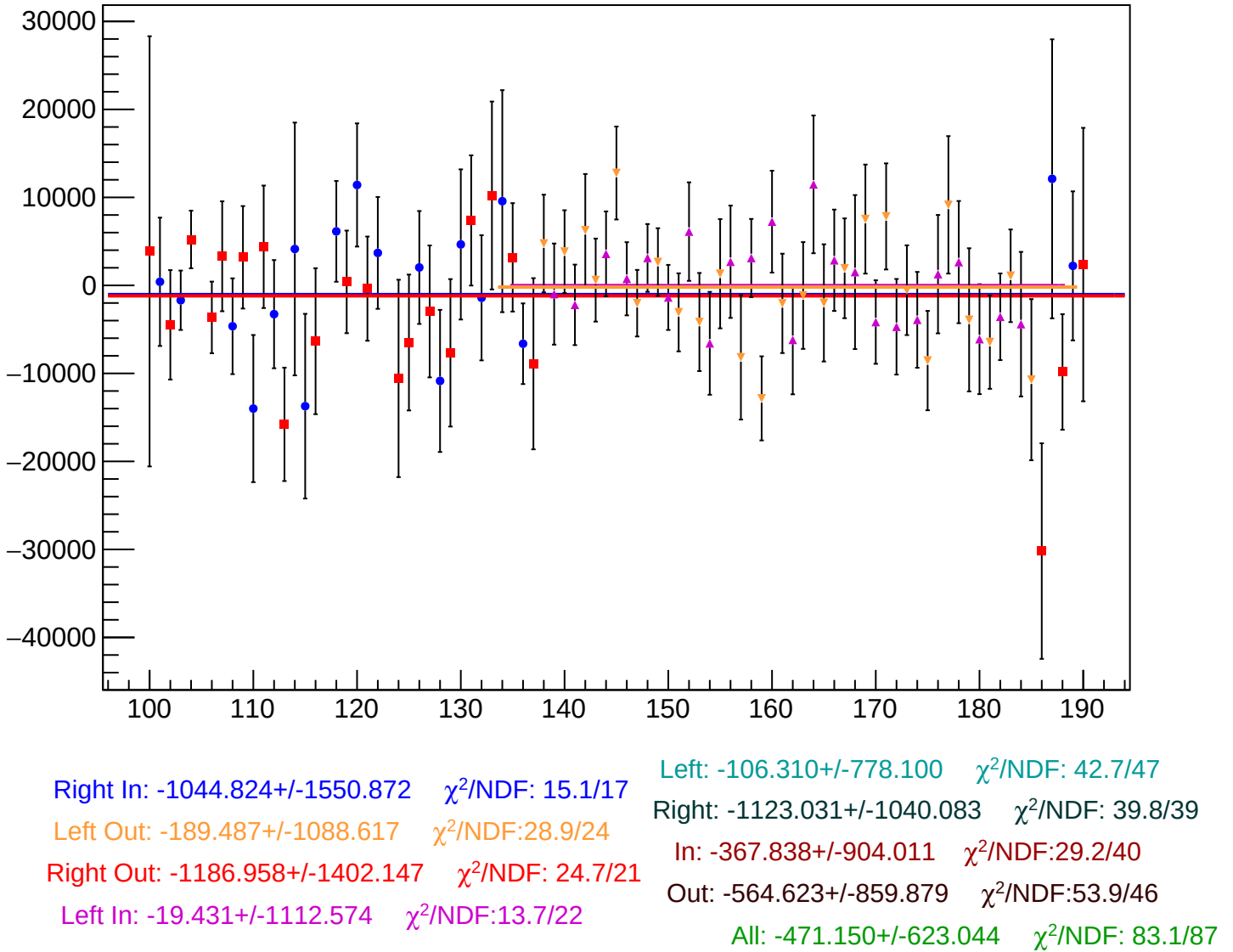
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

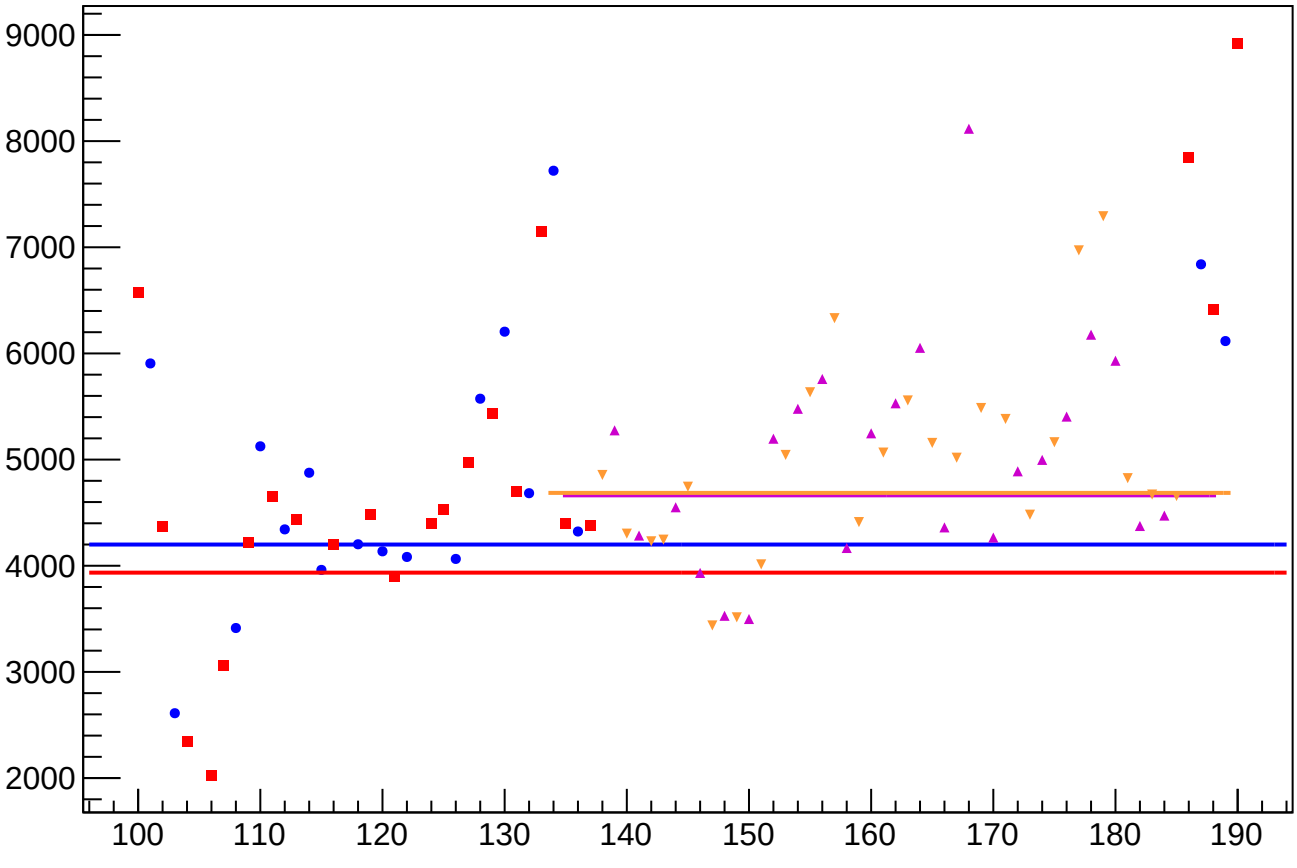
Right: 1922.767+/-0.335 χ^2/NDF: 930704.1/39

In: 1866.321+/-0.259 χ^2/NDF:729911.1/40

Out: 1870.788+/-0.249 χ^2/NDF:272229.4/46

All: 1868.643+/-0.180 χ^2/NDF: 1002295.0/87


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1044.824+/-1550.872 χ²/NDF: 15.1/17
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1186.958+/-1402.147 χ²/NDF: 24.7/21
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -1123.031+/-1040.083 χ²/NDF: 39.8/39
In: -367.838+/-904.011 χ²/NDF:29.2/40
Out: -564.623+/-859.879 χ²/NDF:53.9/46
All: -471.150+/-623.044 χ²/NDF: 83.1/87



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3935.074+/-0.991 χ^2/NDF: 2076994.4/21

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

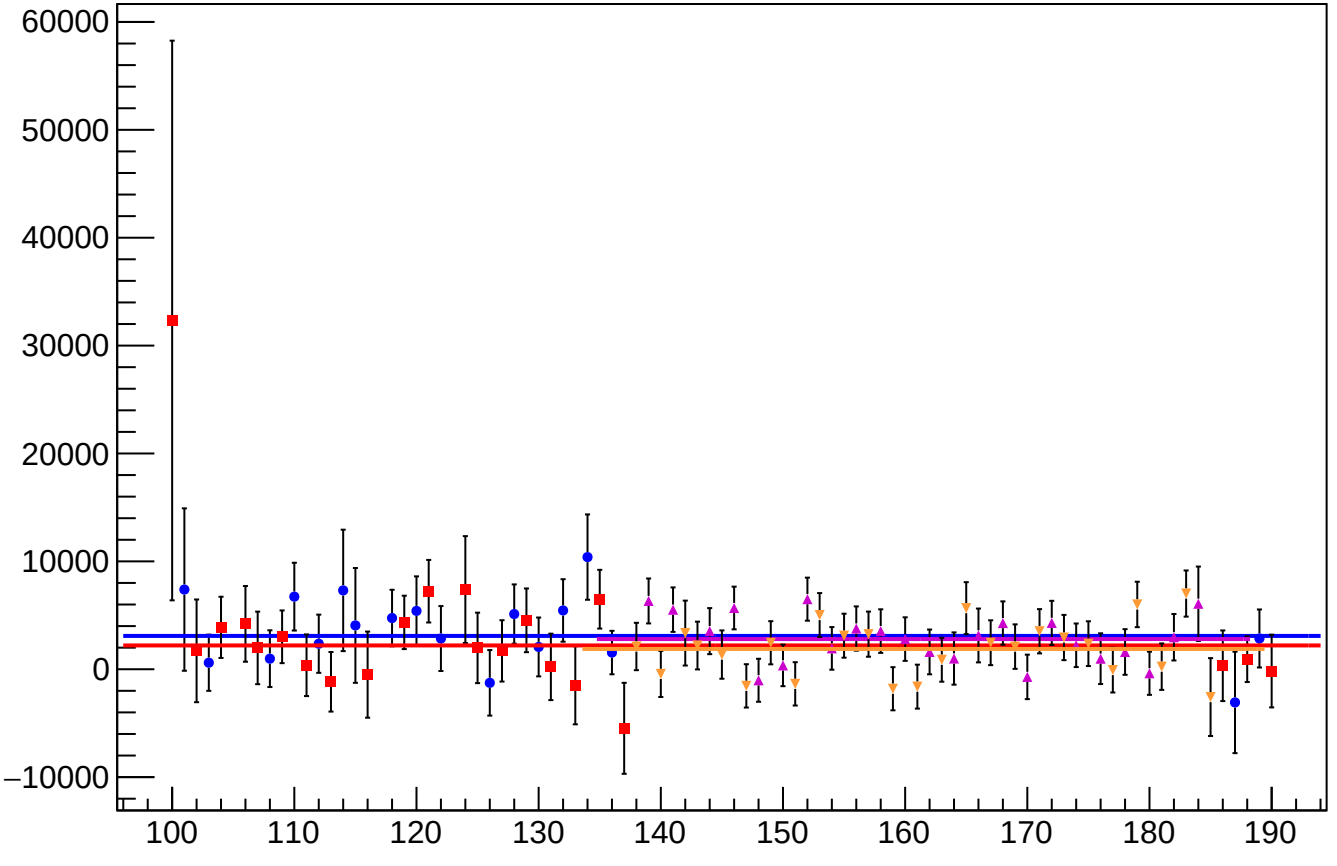
Right: 4054.159+/-0.735 χ^2/NDF: 3229627.0/39

In: 4505.812+/-0.639 χ^2/NDF:2525183.2/40

Out: 4403.803+/-0.608 χ^2/NDF:3620313.6/46

All: 4452.256+/-0.441 χ^2/NDF: 6158866.5/87

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3088.915+/-714.777 χ^2/NDF: 13.9/17

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2206.047+/-665.854 χ^2/NDF: 18.5/21

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

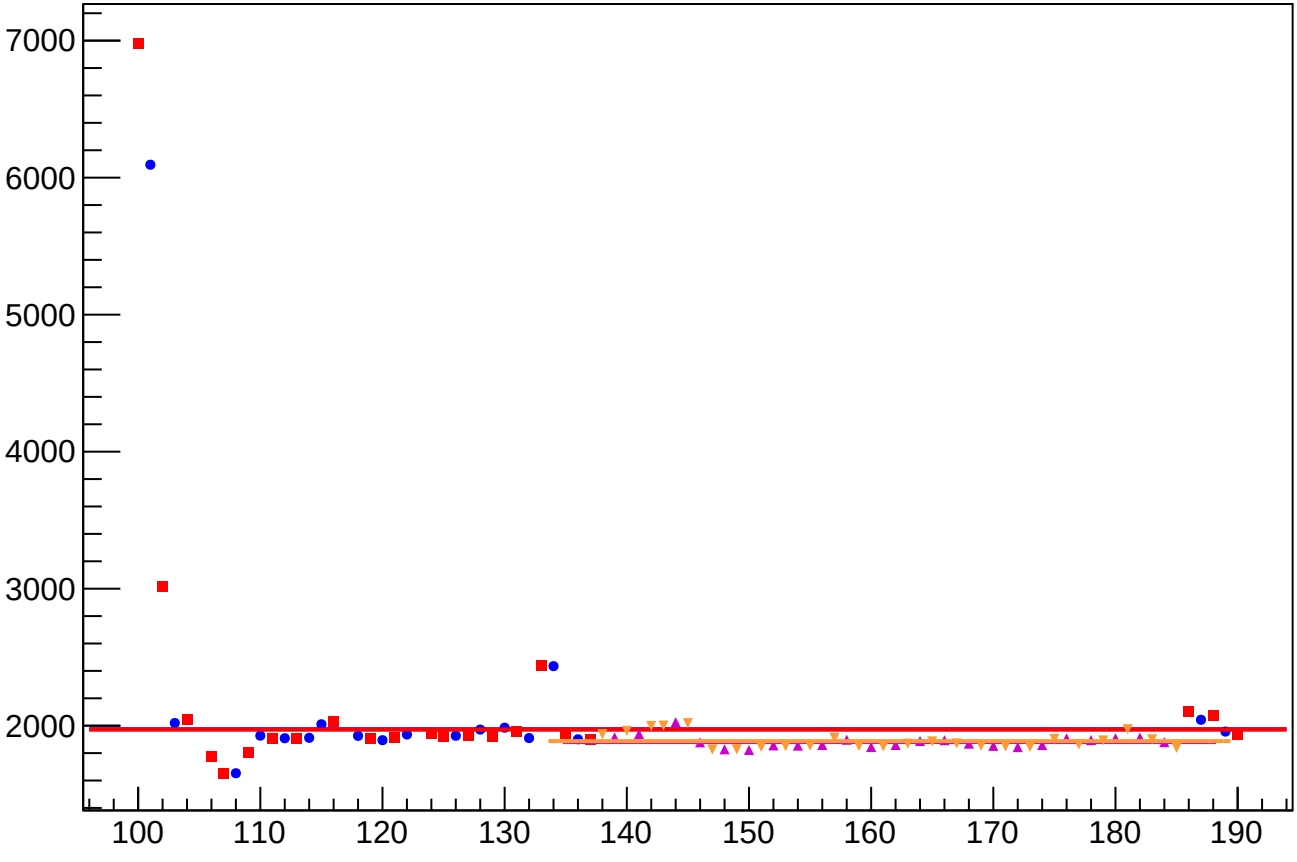
Right: 2616.236+/-487.208 χ^2/NDF: 33.2/39

In: 2878.058+/-374.224 χ^2/NDF:39.5/40

Out: 1976.291+/-360.619 χ^2/NDF:51.6/46

All: 2410.485+/-259.673 χ^2/NDF: 94.1/87

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1974.172+/-0.505 χ^2/NDF: 665632.7/17

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1971.780+/-0.470 χ^2/NDF: 255506.2/21

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

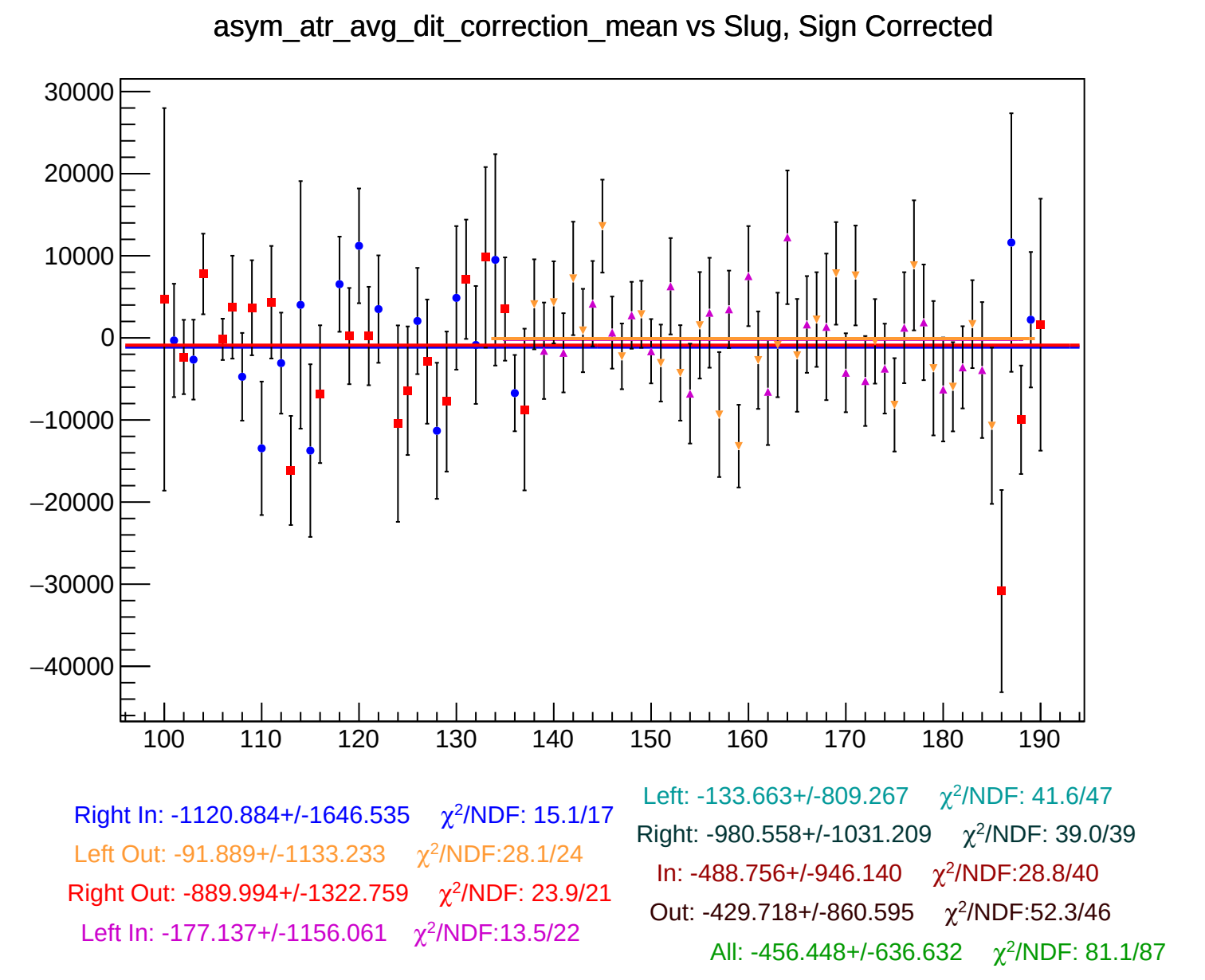
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

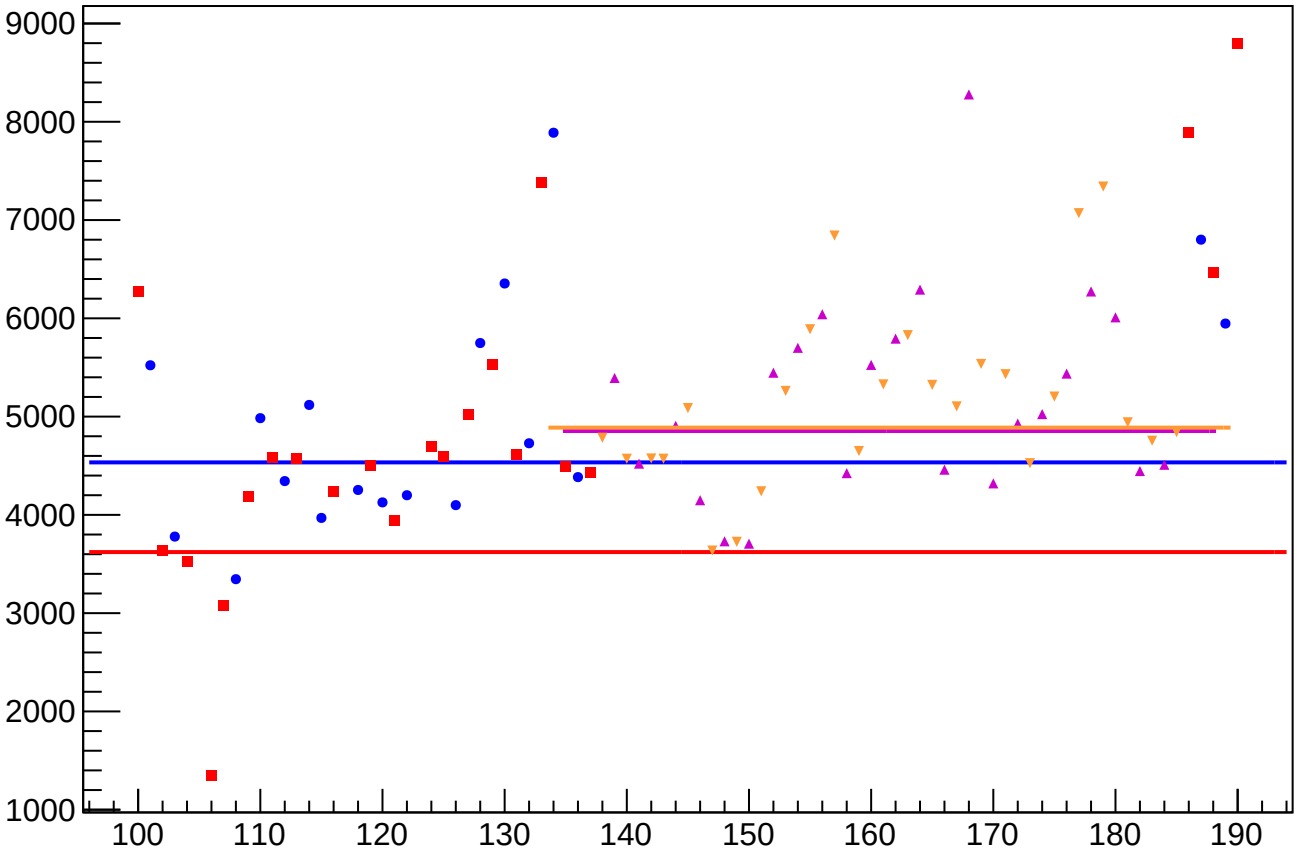
Right: 1972.891+/-0.344 χ^2/NDF: 921150.9/39

In: 1906.231+/-0.265 χ^2/NDF:709563.7/40

Out: 1912.278+/-0.255 χ^2/NDF:310104.5/46

All: 1909.367+/-0.184 χ^2/NDF: 1019939.1/87


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1120.884+/-1646.535 χ²/NDF: 15.1/17
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -889.994+/-1322.759 χ²/NDF: 23.9/21
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -980.558+/-1031.209 χ²/NDF: 39.0/39
In: -488.756+/-946.140 χ²/NDF:28.8/40
Out: -429.718+/-860.595 χ²/NDF:52.3/46
All: -456.448+/-636.632 χ²/NDF: 81.1/87



Right In: 4534.098+/-1.164 χ^2/NDF: 599801.4/17

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3621.524+/-0.935 χ^2/NDF: 3213760.9/21

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

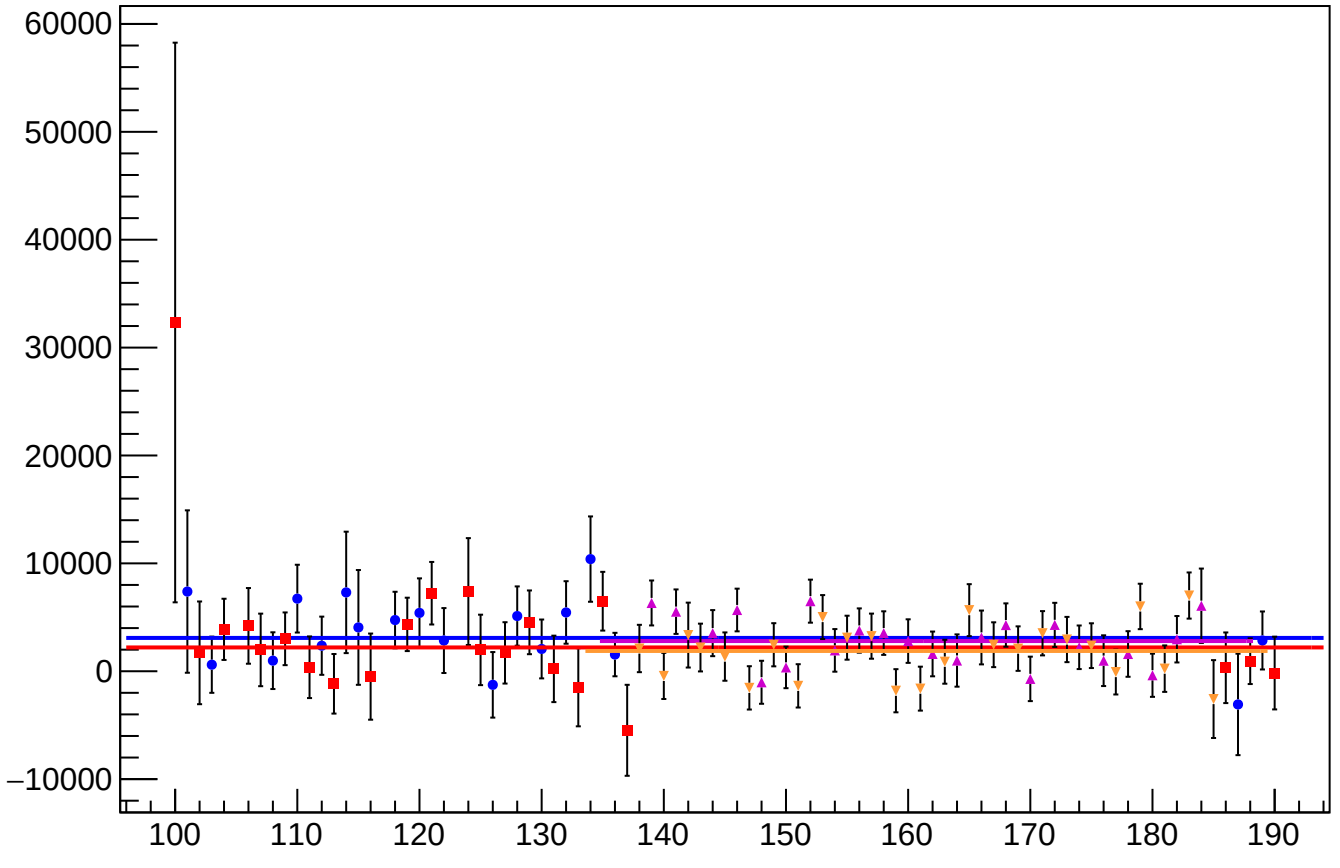
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 3979.472+/-0.729 χ^2/NDF: 4186947.5/39

In: 4747.944+/-0.669 χ^2/NDF:1828804.5/40

Out: 4351.813+/-0.609 χ^2/NDF:5334120.7/46

All: 4531.165+/-0.450 χ^2/NDF: 7354781.6/87



Right In: 3088.920+/-714.777 χ^2/NDF: 13.9/17

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2206.051+/-665.854 χ^2/NDF: 18.5/21

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

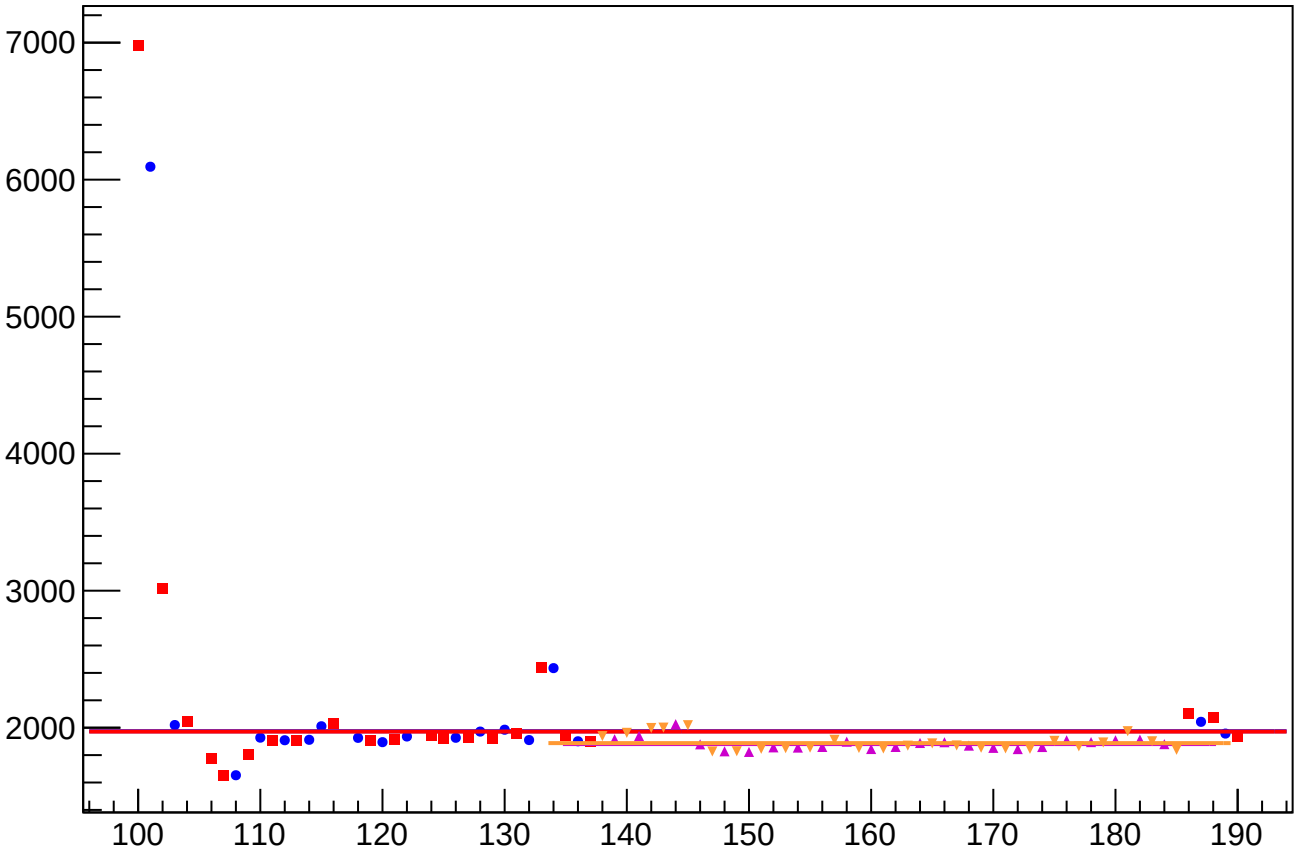
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2616.240+/-487.208 χ^2/NDF: 33.2/39

In: 2878.059+/-374.224 χ^2/NDF:39.5/40

Out: 1976.288+/-360.620 χ^2/NDF:51.6/46

All: 2410.484+/-259.673 χ^2/NDF: 94.1/87



Right In: 1974.172+/-0.505 χ^2/NDF: 665632.7/17

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1971.780+/-0.470 χ^2/NDF: 255505.7/21

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

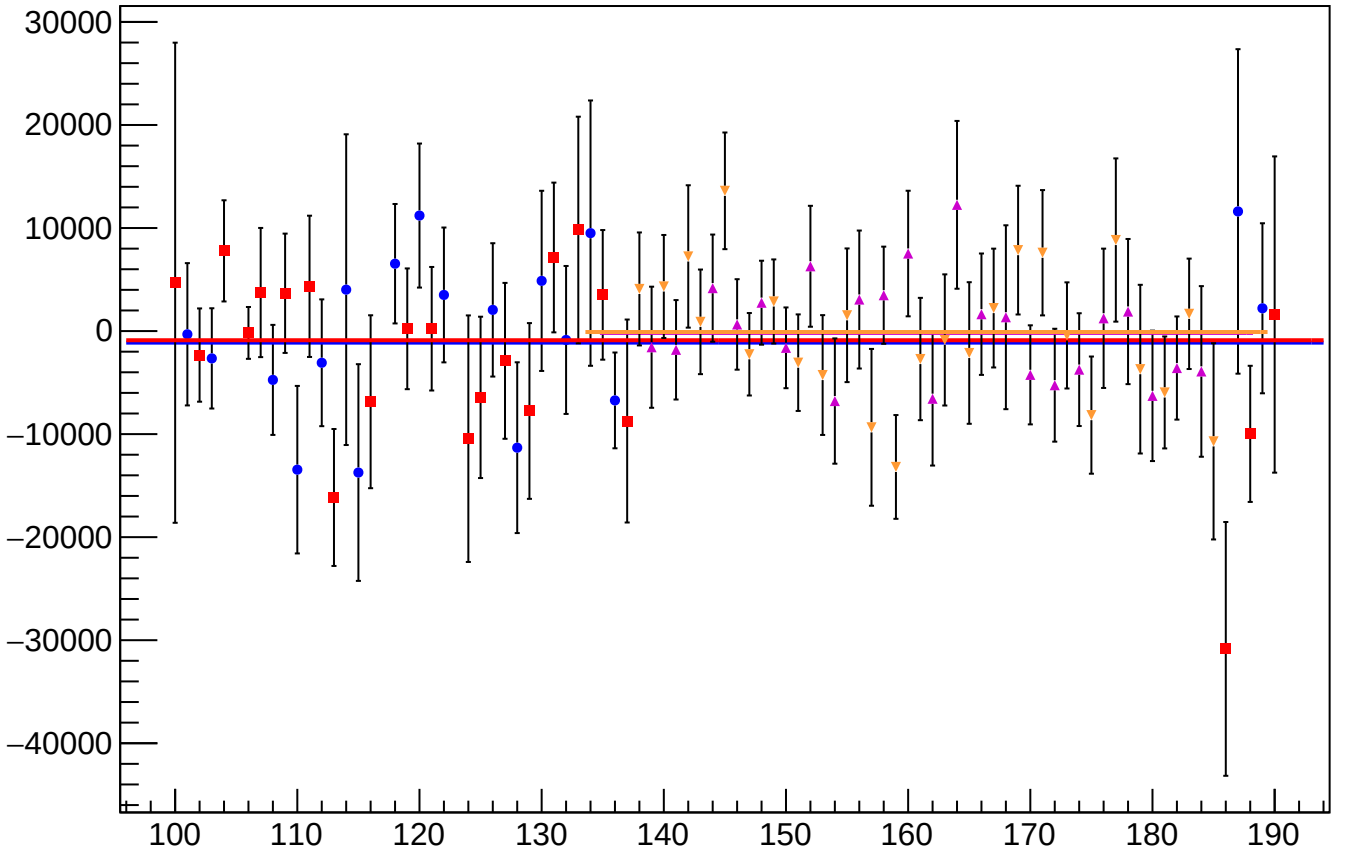
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1972.890+/-0.344 χ^2/NDF: 921150.4/39

In: 1906.231+/-0.265 χ^2/NDF:709563.1/40

Out: 1912.278+/-0.255 χ^2/NDF:310103.5/46

All: 1909.367+/-0.184 χ^2/NDF: 1019937.5/87



Right In: -1120.867+/-1646.533 χ^2/NDF: 15.1/17

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -889.991+/-1322.756 χ^2/NDF: 23.9/21

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

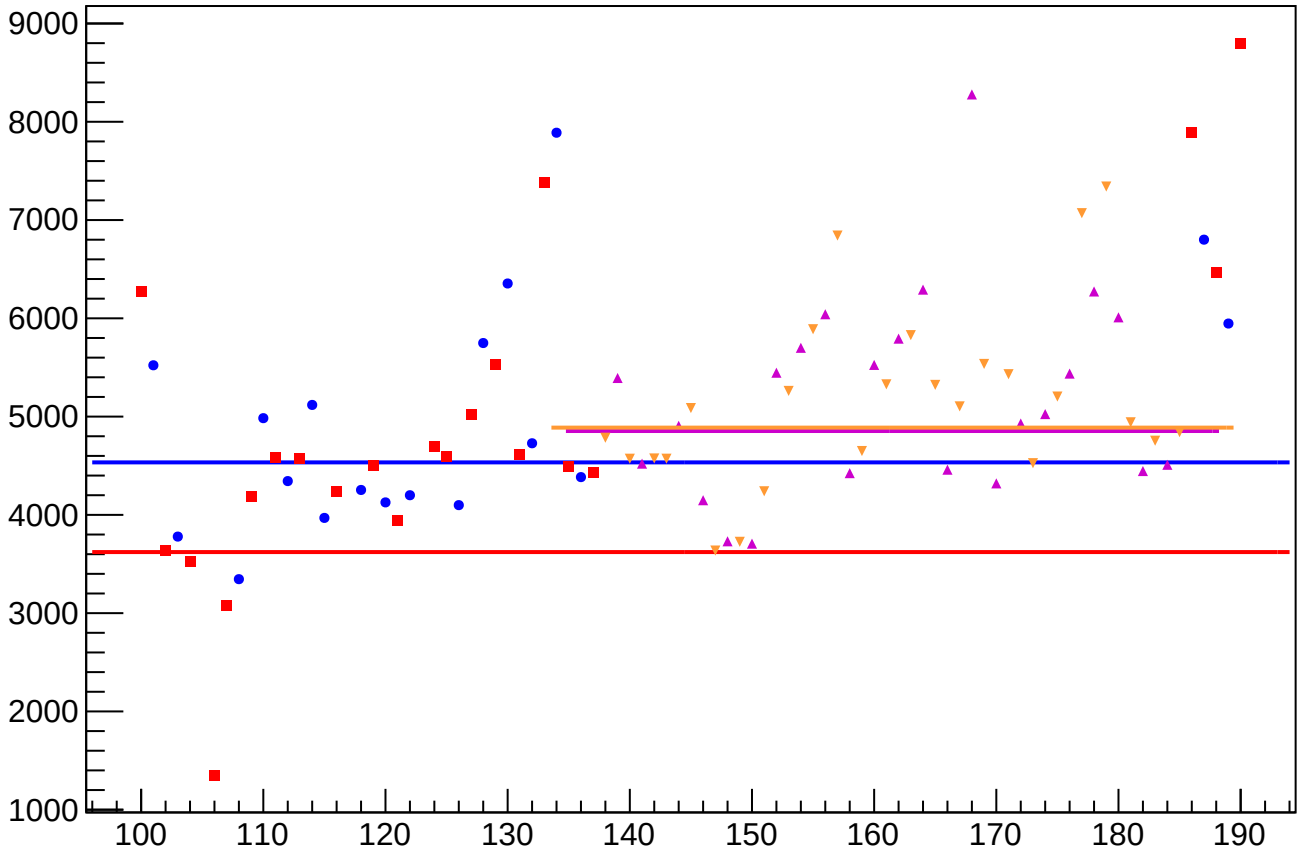
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -980.550+/-1031.207 χ^2/NDF: 39.0/39

In: -488.753+/-946.140 χ^2/NDF:28.8/40

Out: -429.720+/-860.595 χ^2/NDF:52.3/46

All: -456.448+/-636.632 χ^2/NDF: 81.1/87



Right In: 4534.092+/-1.164 χ^2/NDF: 599800.8/17

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3621.515+/-0.935 χ^2/NDF: 3213769.1/21

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

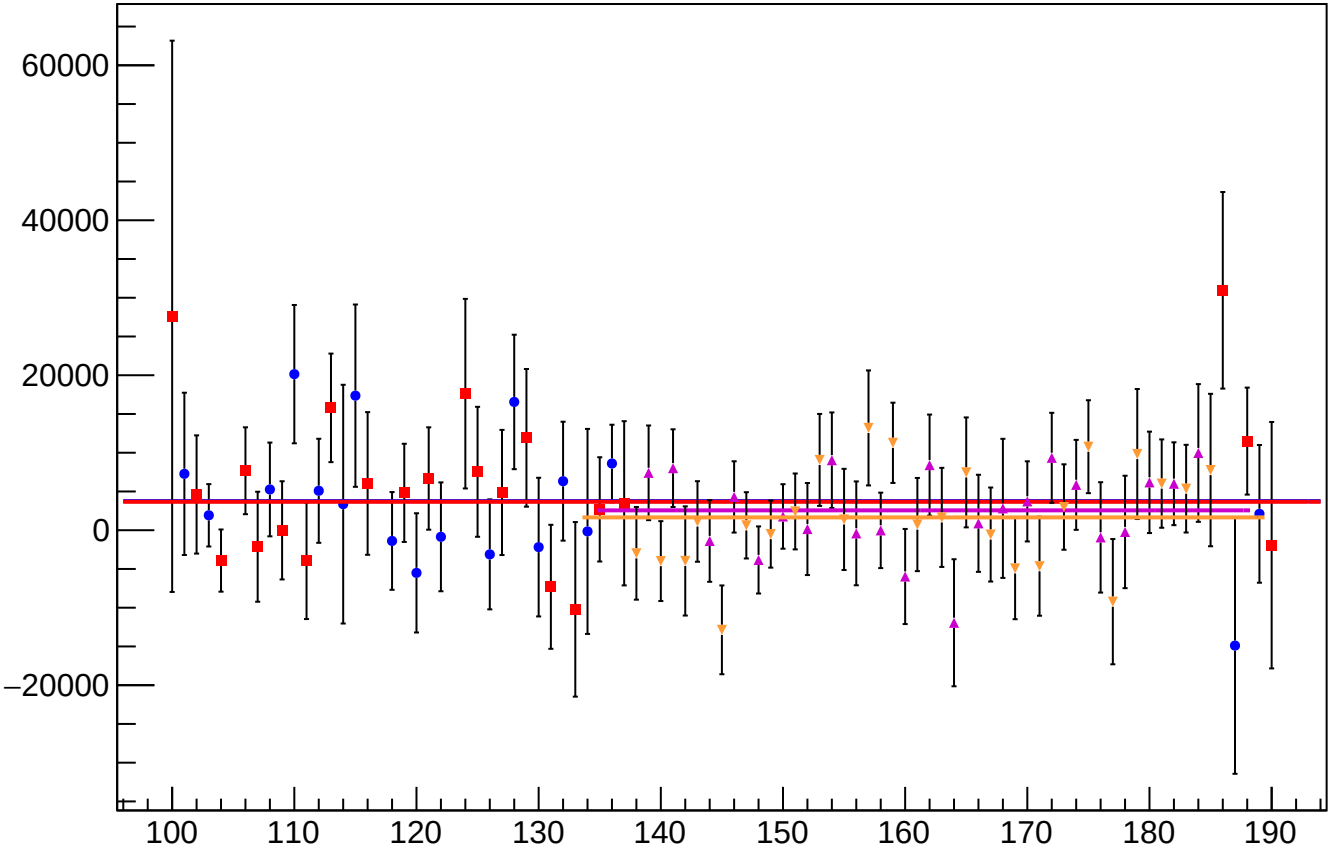
Right: 3979.464+/-0.729 χ^2/NDF: 4186957.8/39

In: 4747.946+/-0.669 χ^2/NDF:1828810.9/40

Out: 4351.812+/-0.609 χ^2/NDF:5334158.5/46

All: 4531.165+/-0.450 χ^2/NDF: 7354829.1/87

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3752.379+/-1737.592 χ^2/NDF: 13.7/17

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3671.696+/-1603.525 χ^2/NDF: 21.7/21

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

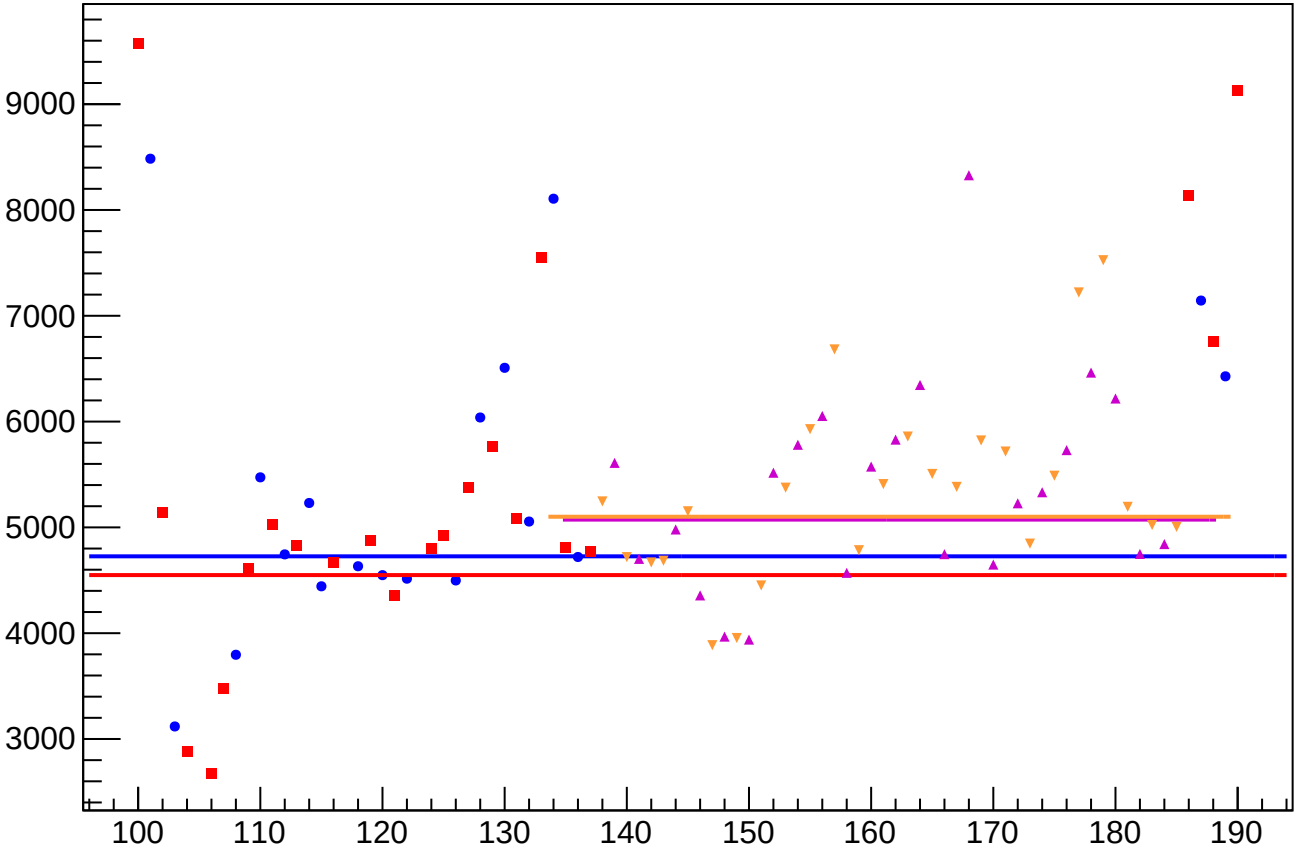
Right: 3708.805+/-1178.413 χ^2/NDF: 35.4/39

In: 2949.416+/-989.889 χ^2/NDF:29.9/40

Out: 2362.143+/-949.698 χ^2/NDF:48.7/46

All: 2643.616+/-685.306 χ^2/NDF: 78.9/87

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4726.407+/-1.229 χ^2/NDF: 1022084.5/17

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4549.173+/-1.125 χ^2/NDF: 1475395.6/21

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

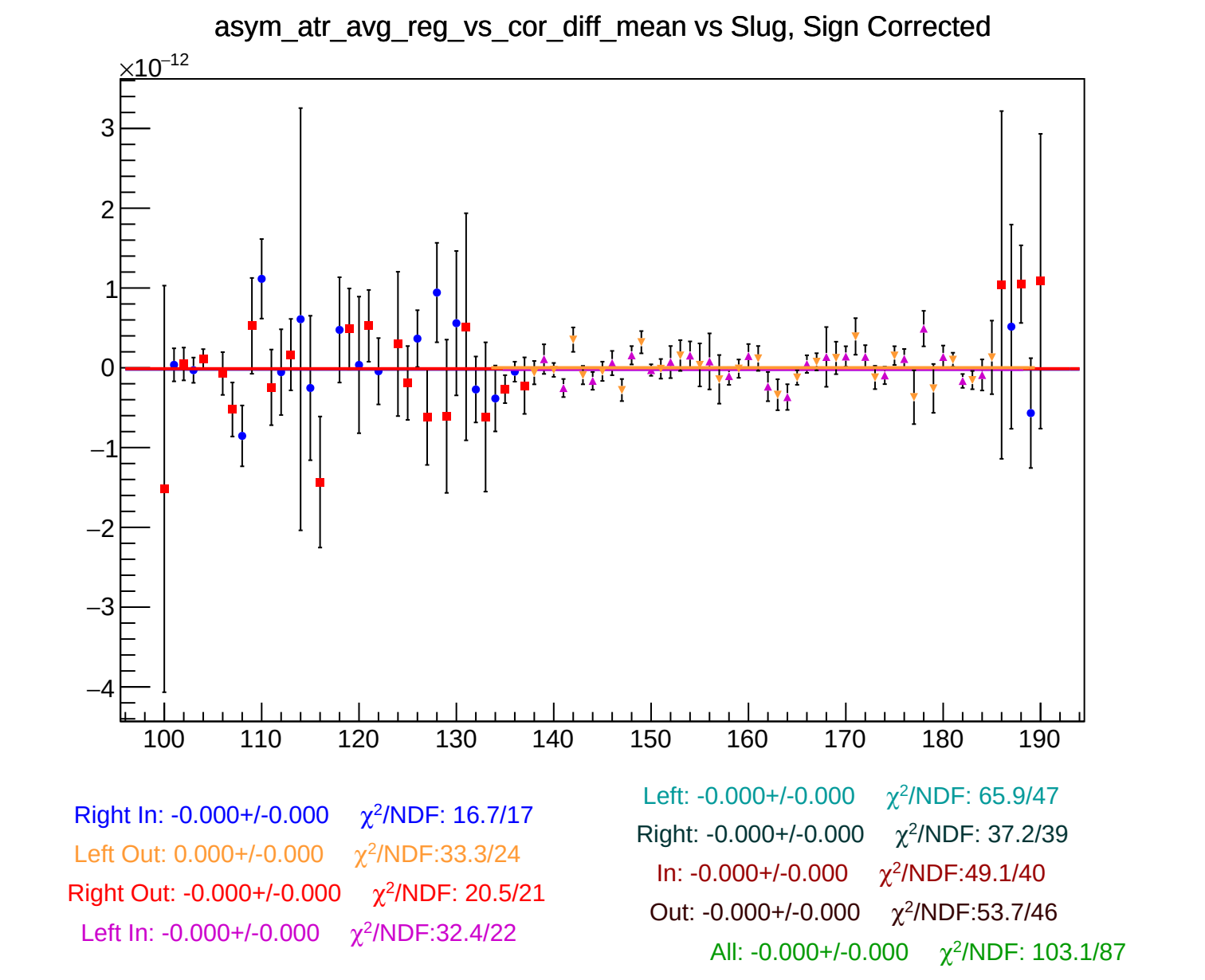
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

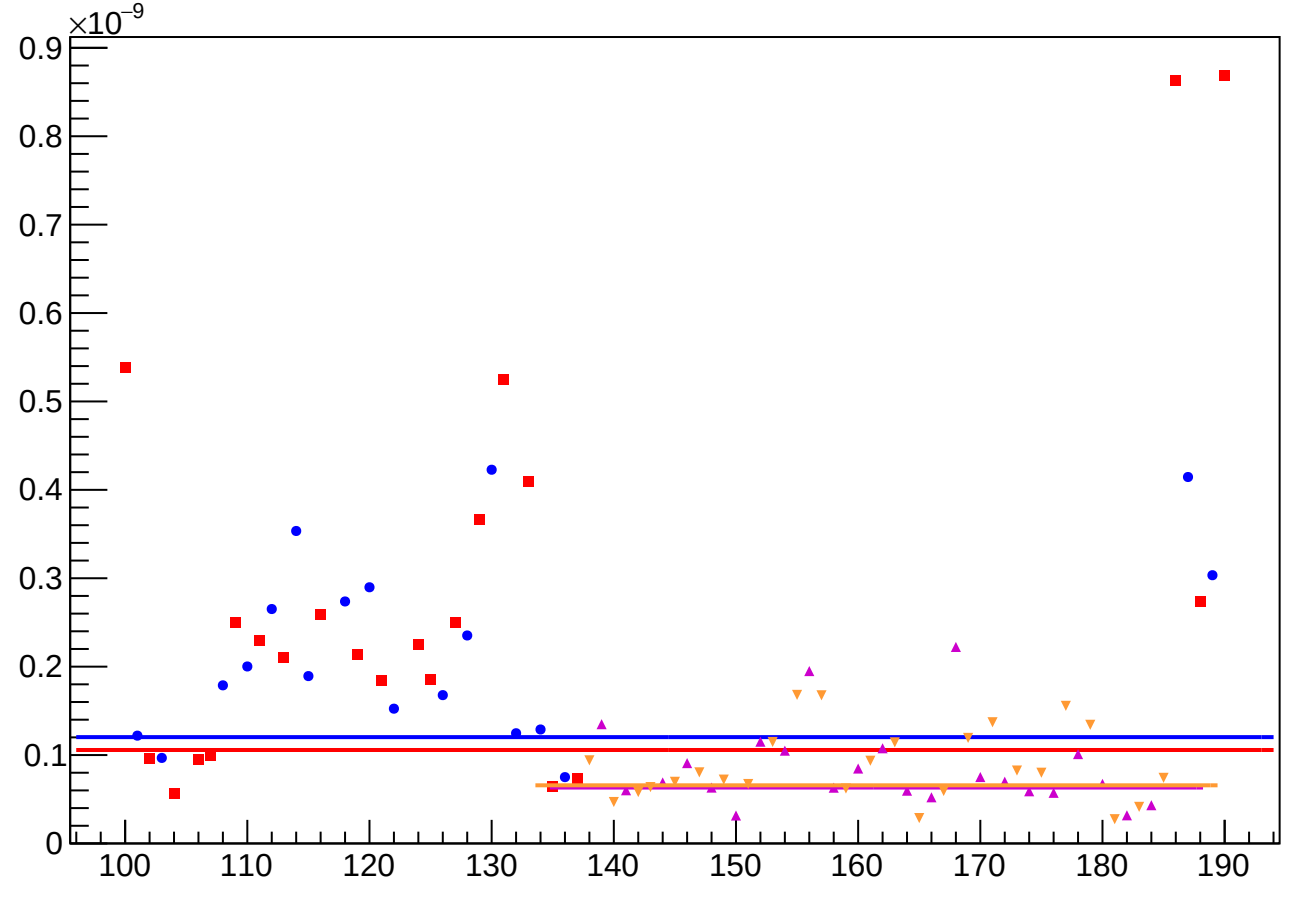
Right: 4629.986+/-0.830 χ^2/NDF: 2508800.3/39

In: 4960.881+/-0.700 χ^2/NDF:2067917.3/40

Out: 4905.190+/-0.670 χ^2/NDF:2539899.6/46

All: 4931.804+/-0.484 χ^2/NDF: 4611122.1/87


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.7/17
Left Out: 0.000+/-0.000 χ²/NDF:33.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/21
Left In: -0.000+/-0.000 χ²/NDF:32.4/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/47
Right: -0.000+/-0.000 χ²/NDF: 37.2/39
In: -0.000+/-0.000 χ²/NDF:49.1/40
Out: -0.000+/-0.000 χ²/NDF:53.7/46
All: -0.000+/-0.000 χ²/NDF: 103.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 1351412.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2677038.5/21

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

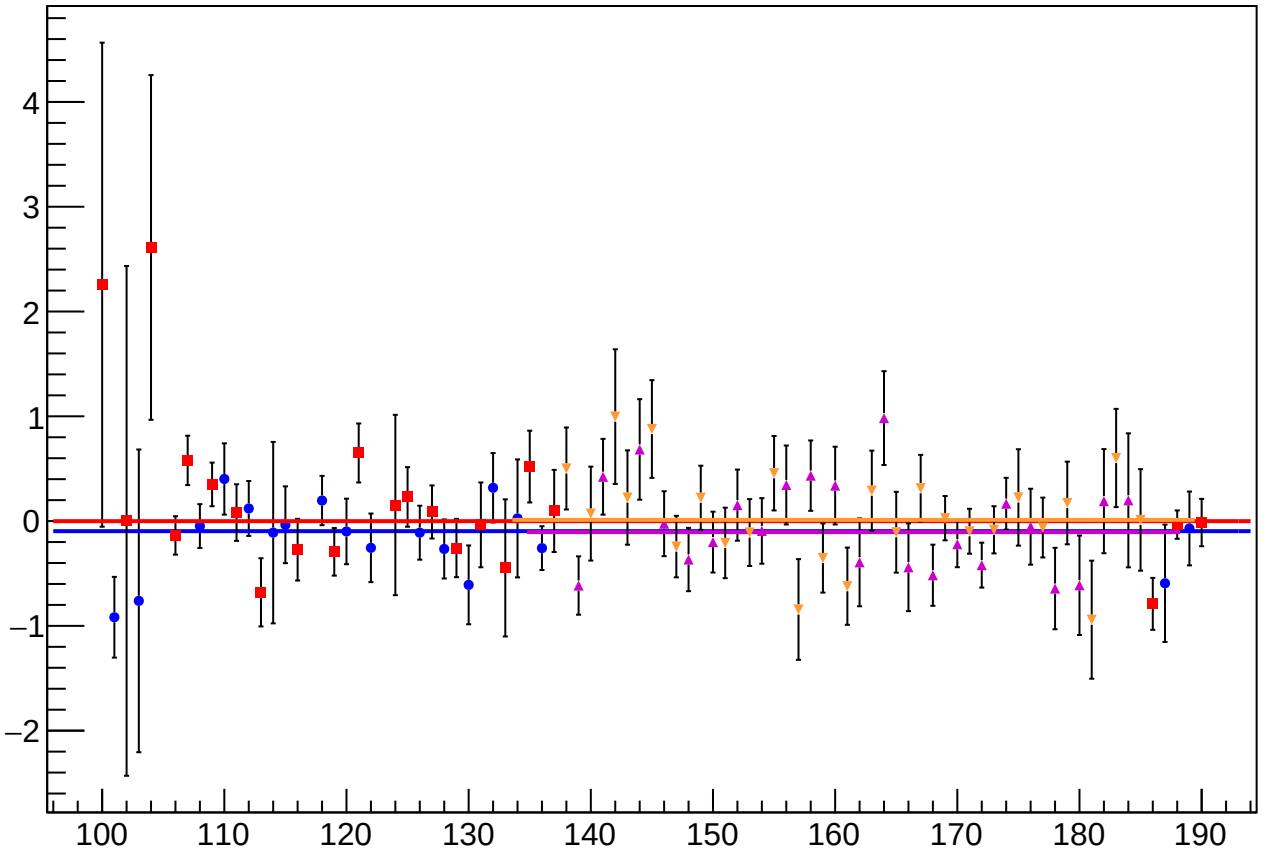
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4067910.0/39

In: 0.000+/-0.000 χ^2/NDF:4572991.9/40

Out: 0.000+/-0.000 χ^2/NDF:5690144.9/46

All: 0.000+/-0.000 χ^2/NDF: 10264340.1/87



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.001+/-0.058 χ^2/NDF: 40.0/21

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

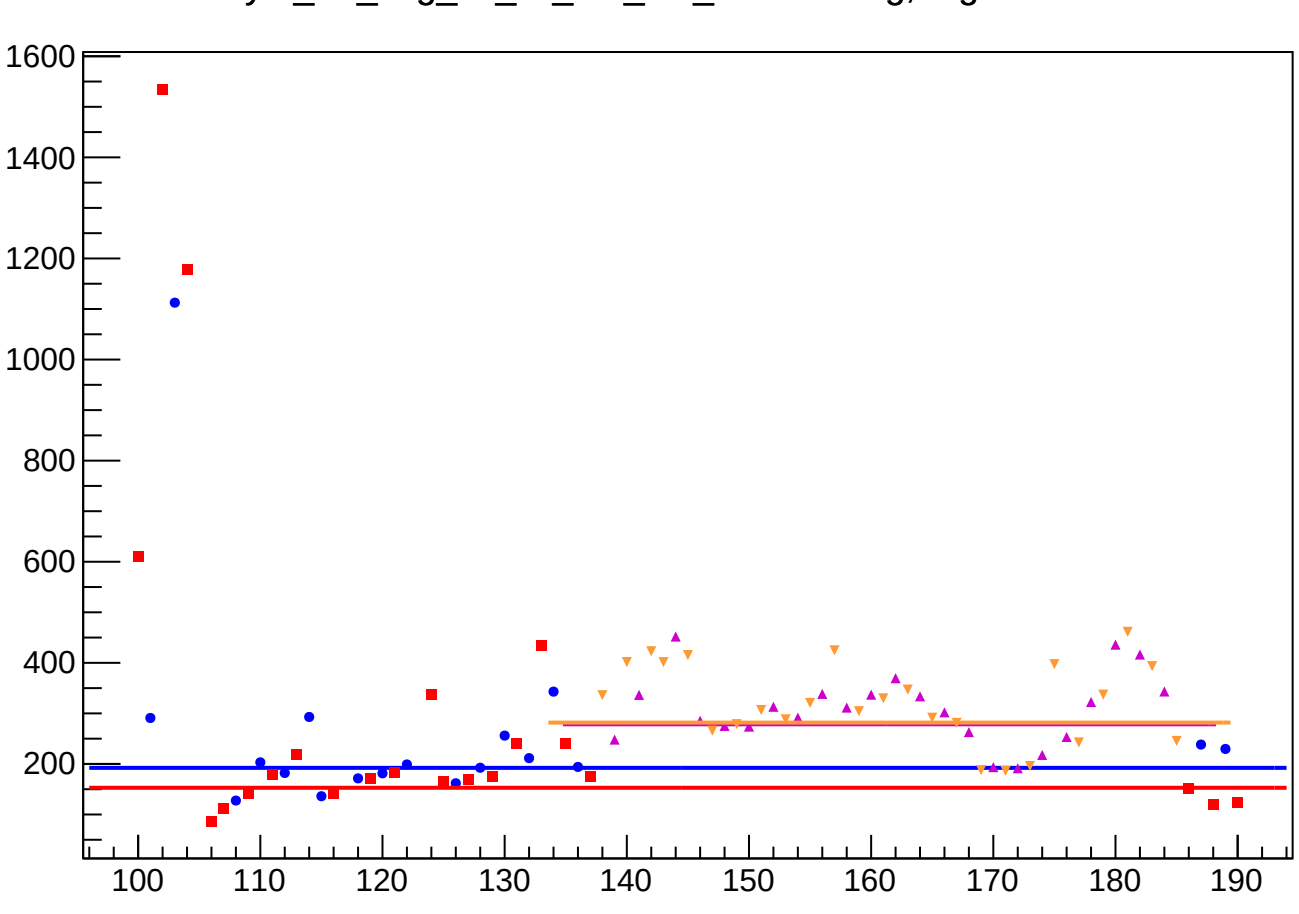
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.046 χ^2/NDF: 55.6/39

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.004+/-0.044 χ^2/NDF:65.2/46

All: -0.041+/-0.033 χ^2/NDF: 113.8/87



Right In: 192.269+/-0.053 χ^2/NDF: 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 152.867+/-0.041 χ^2/NDF: 2841162.6/21

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

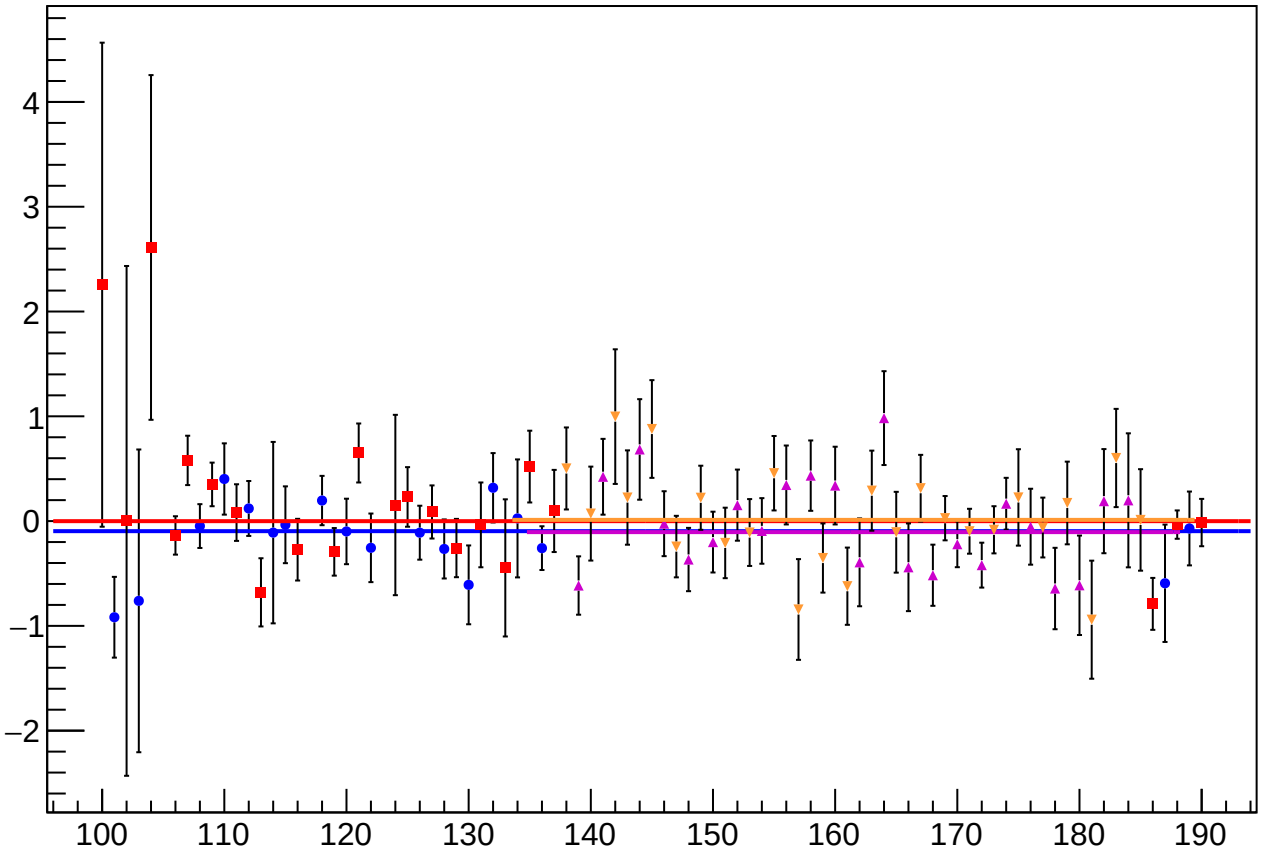
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 167.862+/-0.032 χ^2/NDF: 4693032.4/39

In: 238.797+/-0.036 χ^2/NDF:4753865.4/40

Out: 207.426+/-0.031 χ^2/NDF:9505505.5/46

All: 221.081+/-0.024 χ^2/NDF: 14696696.1/87



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.001+/-0.058 χ^2/NDF: 40.0/21

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

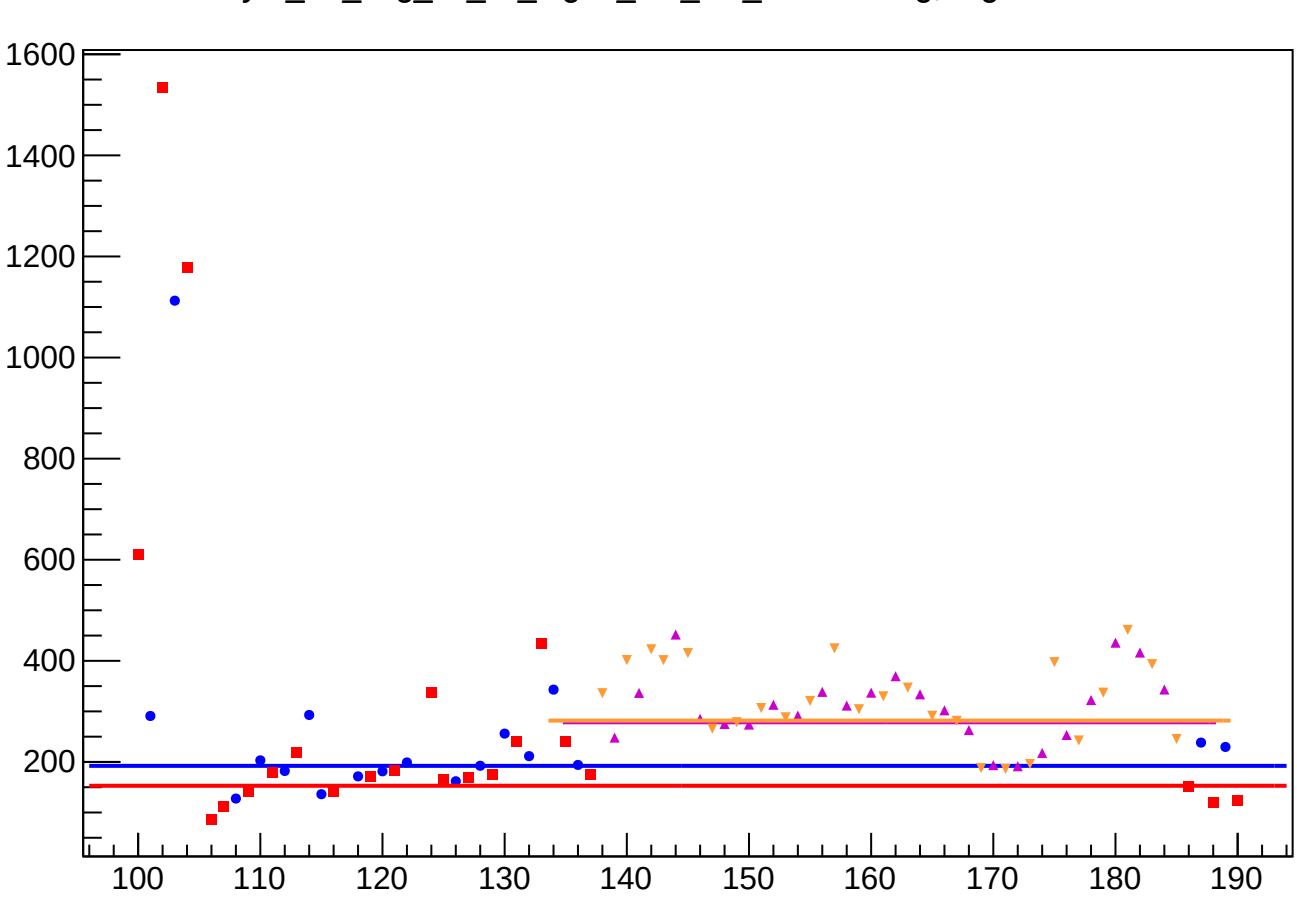
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.046 χ^2/NDF: 55.6/39

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.004+/-0.044 χ^2/NDF:65.2/46

All: -0.041+/-0.033 χ^2/NDF: 113.8/87



Right In: 192.269+/-0.053 χ^2/NDF: 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 152.867+/-0.041 χ^2/NDF: 2841162.6/21

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

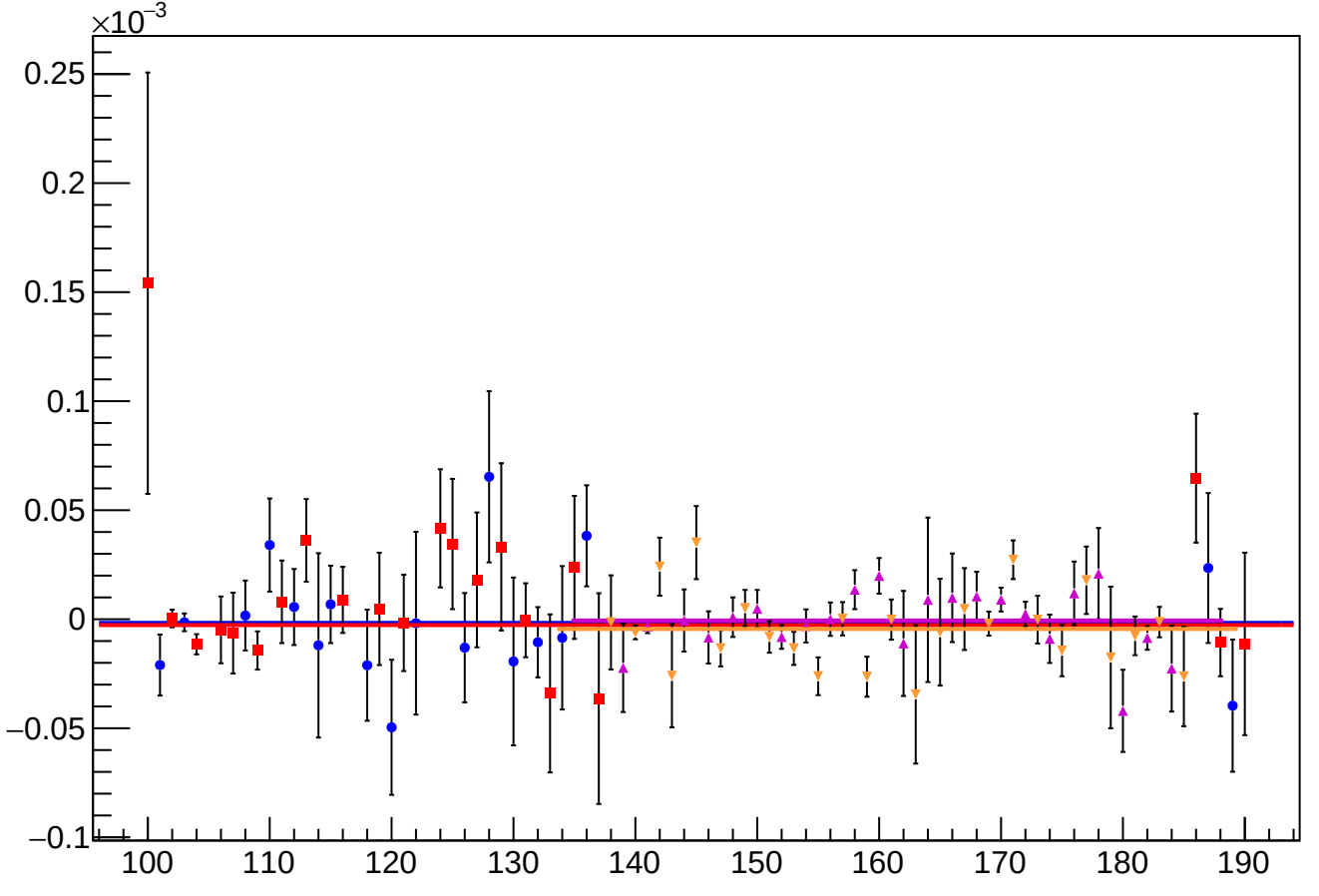
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 167.862+/-0.032 χ^2/NDF: 4693032.4/39

In: 238.797+/-0.036 χ^2/NDF:4753865.4/40

Out: 207.426+/-0.031 χ^2/NDF:9505505.5/46

All: 221.081+/-0.024 χ^2/NDF: 14696696.1/87



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/21

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

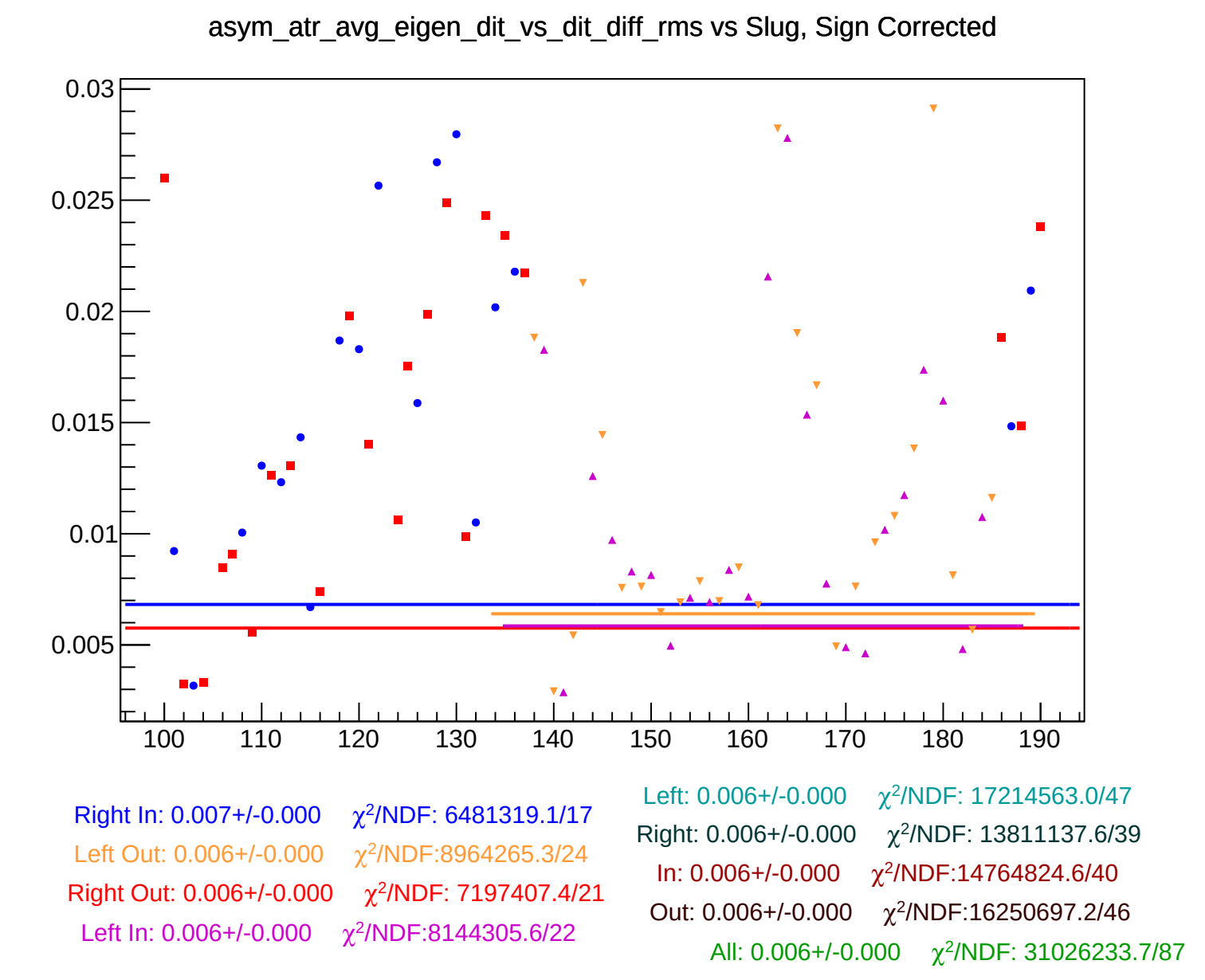
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

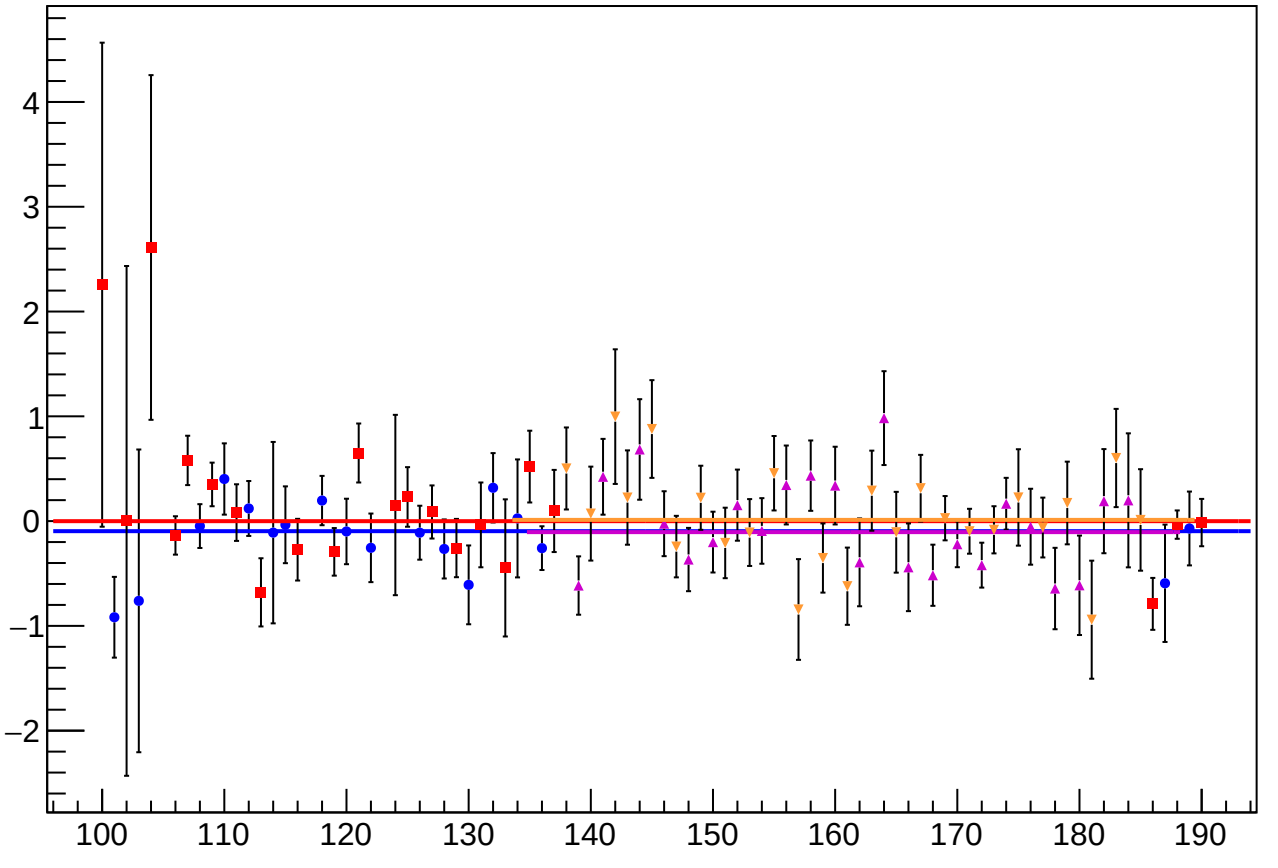
Right: -0.000+/-0.000 χ^2/NDF: 43.8/39

In: -0.000+/-0.000 χ^2/NDF:46.1/40

Out: -0.000+/-0.000 χ^2/NDF:73.5/46

All: -0.000+/-0.000 χ^2/NDF: 122.0/87


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 6481319.1/17
Left Out: 0.006+/-0.000 χ²/NDF:8964265.3/24
Right Out: 0.006+/-0.000 χ²/NDF: 7197407.4/21
Left In: 0.006+/-0.000 χ²/NDF:8144305.6/22
Left: 0.006+/-0.000 χ²/NDF: 17214563.0/47
Right: 0.006+/-0.000 χ²/NDF: 13811137.6/39
In: 0.006+/-0.000 χ²/NDF:14764824.6/40
Out: 0.006+/-0.000 χ²/NDF:16250697.2/46
All: 0.006+/-0.000 χ²/NDF: 31026233.7/87



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.001+/-0.058 χ^2/NDF: 40.0/21

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

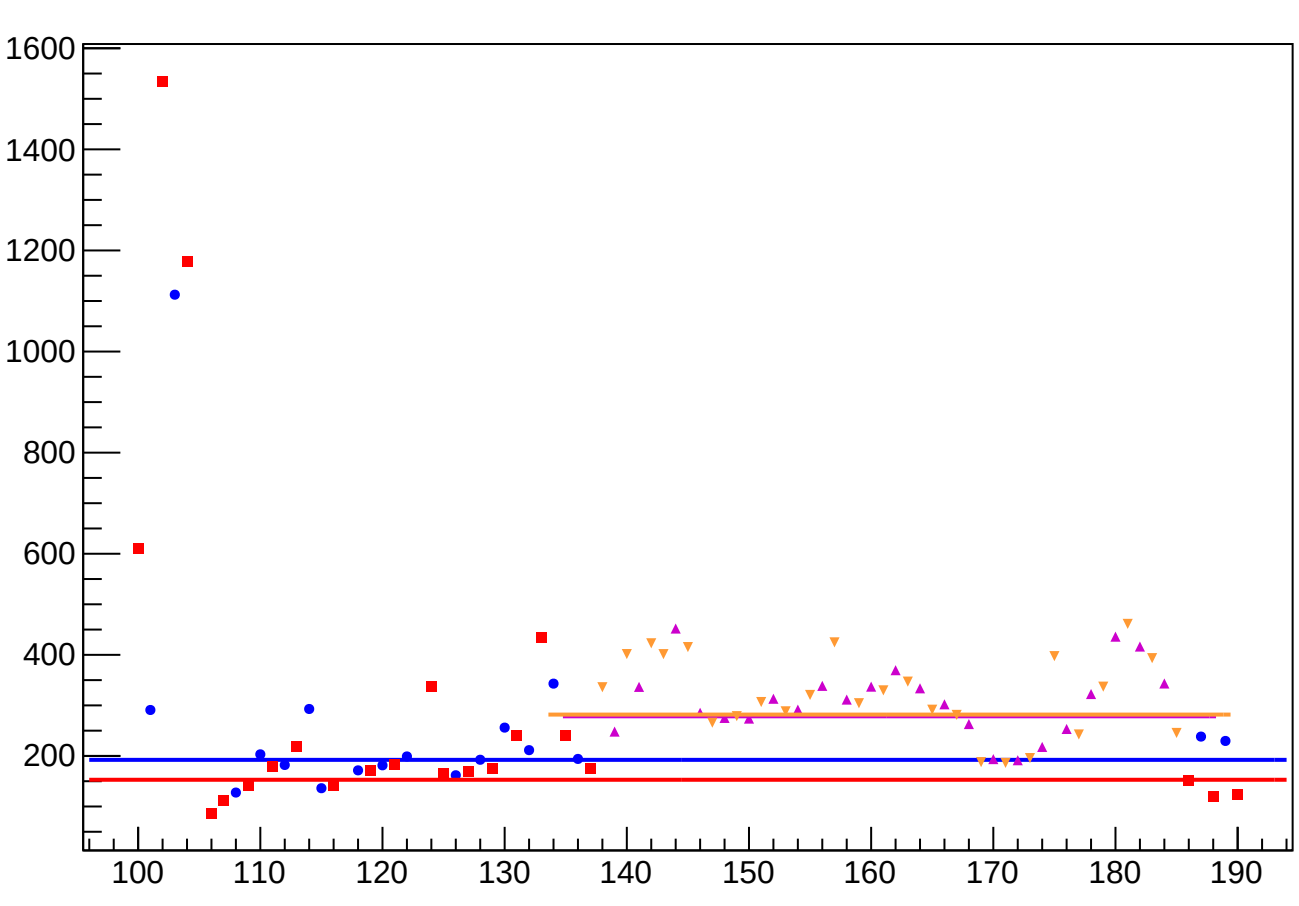
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.046 χ^2/NDF: 55.6/39

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.004+/-0.044 χ^2/NDF:65.2/46

All: -0.041+/-0.033 χ^2/NDF: 113.8/87



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 152.863+/-0.041 χ^2/NDF: 2841207.1/21

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

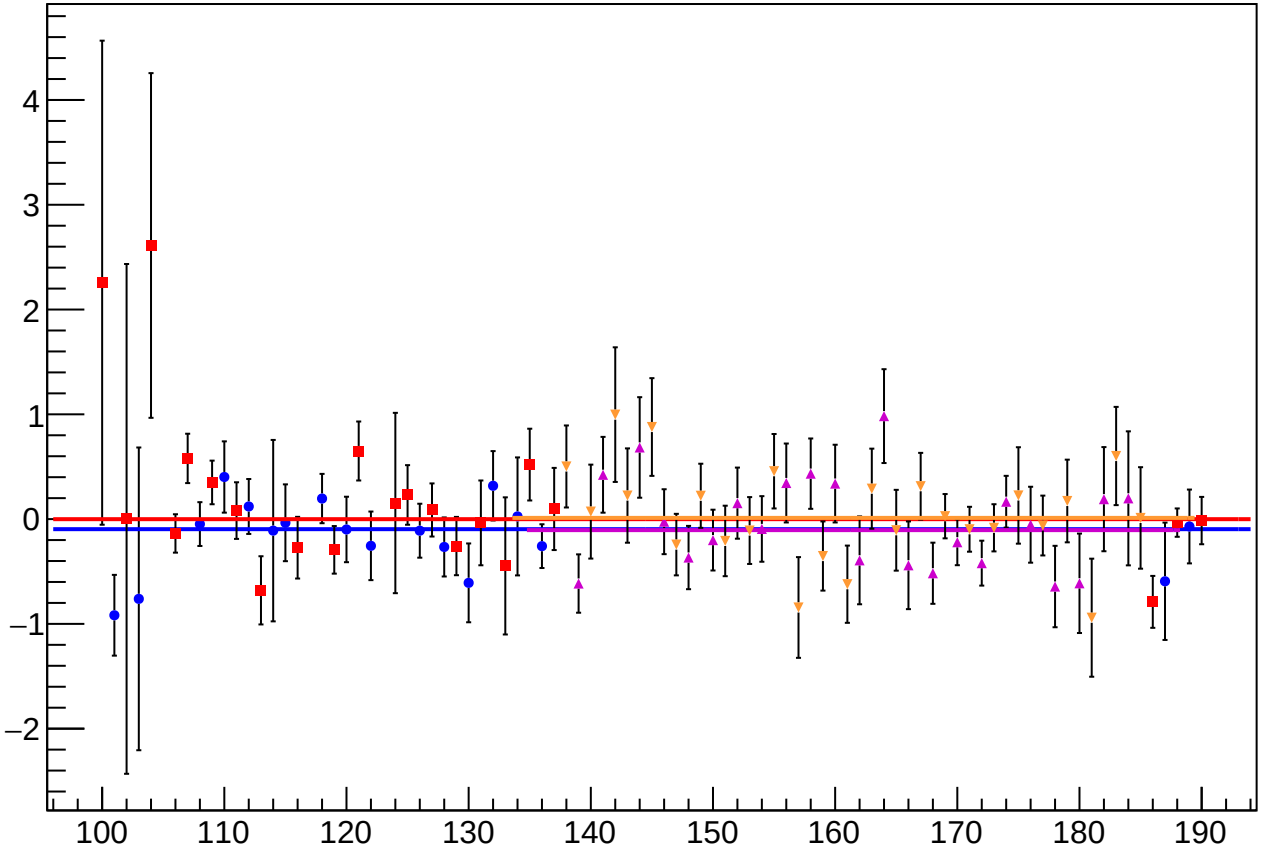
Right: 167.860+/-0.032 χ^2/NDF: 4693131.1/39

In: 238.798+/-0.036 χ^2/NDF:4753992.1/40

Out: 207.424+/-0.031 χ^2/NDF:9505991.9/46

All: 221.080+/-0.024 χ^2/NDF: 14697394.3/87

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.001+/-0.058 χ^2/NDF: 40.0/21

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

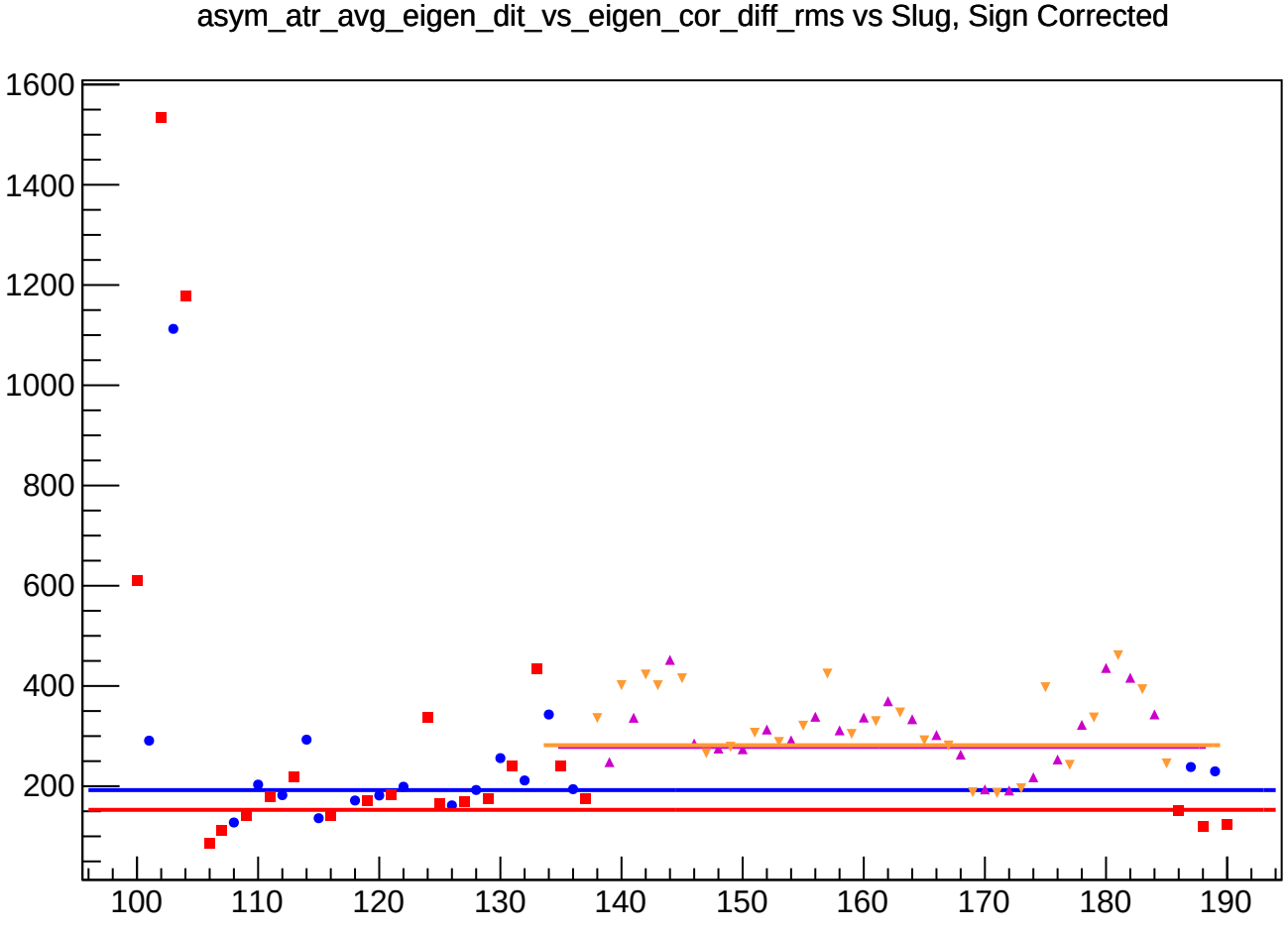
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.046 χ^2/NDF: 55.6/39

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.004+/-0.044 χ^2/NDF:65.2/46

All: -0.041+/-0.033 χ^2/NDF: 113.8/87



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 152.863+/-0.041 χ^2/NDF: 2841207.1/21

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

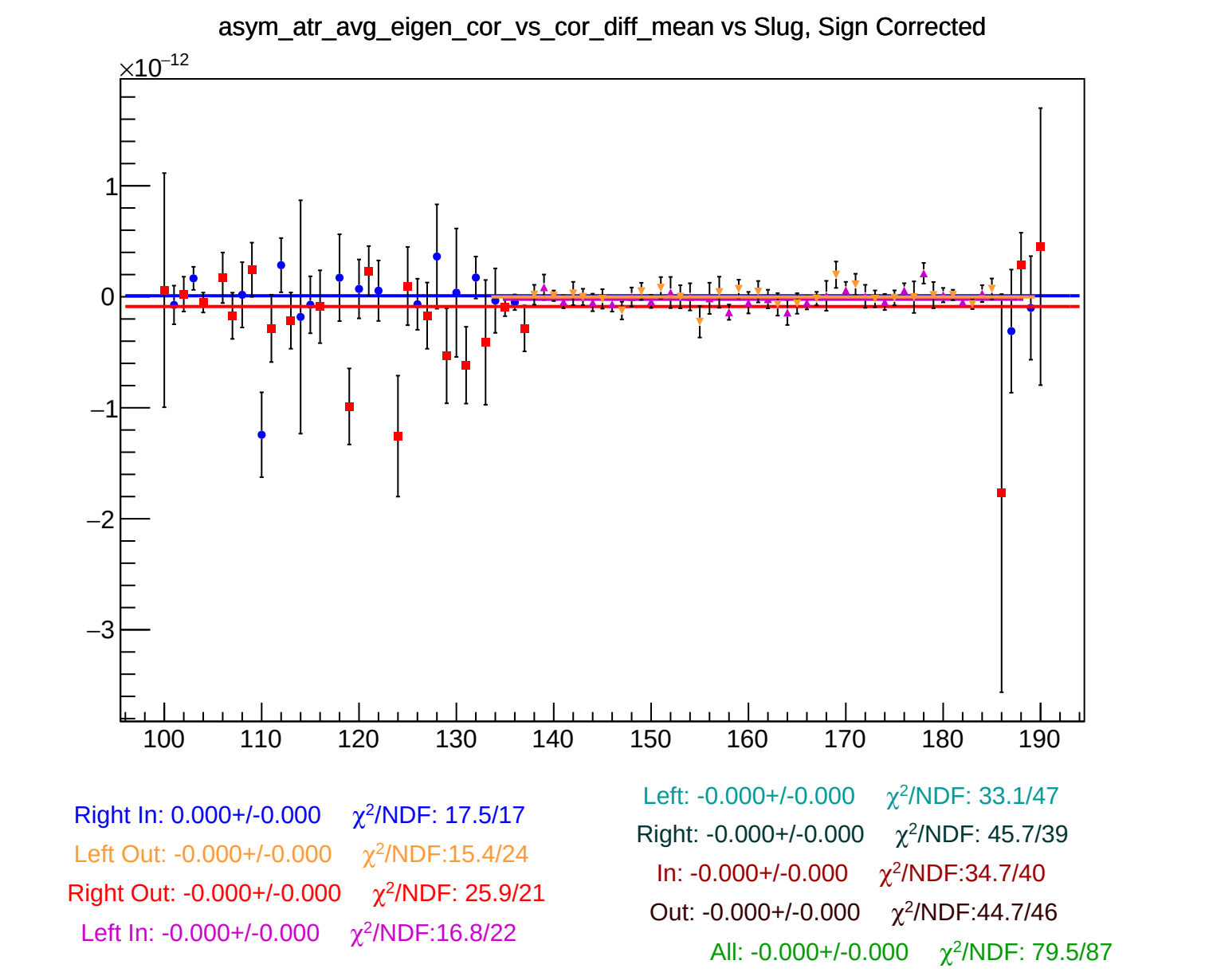
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

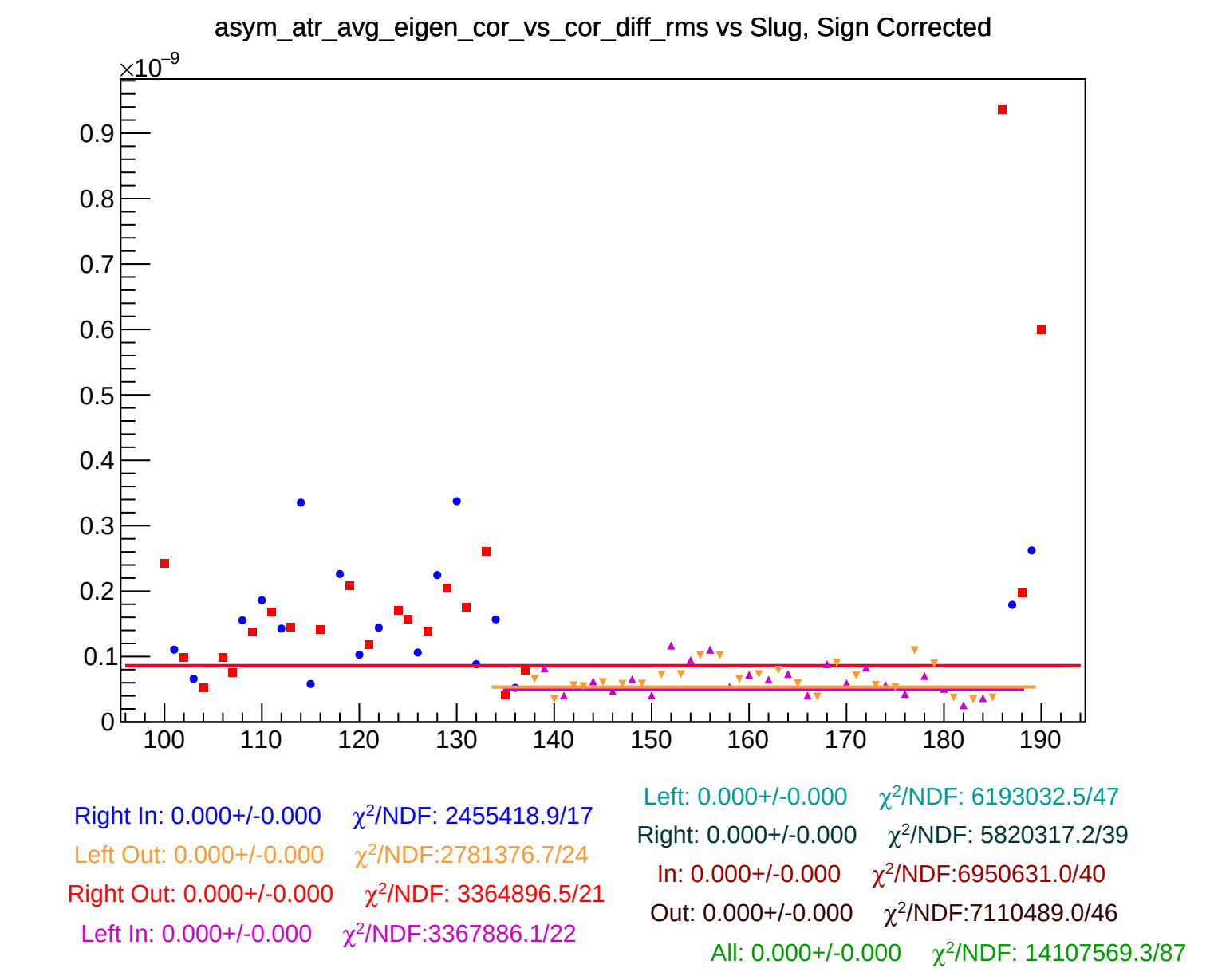
Right: 167.860+/-0.032 χ^2/NDF: 4693131.1/39

In: 238.798+/-0.036 χ^2/NDF:4753992.1/40

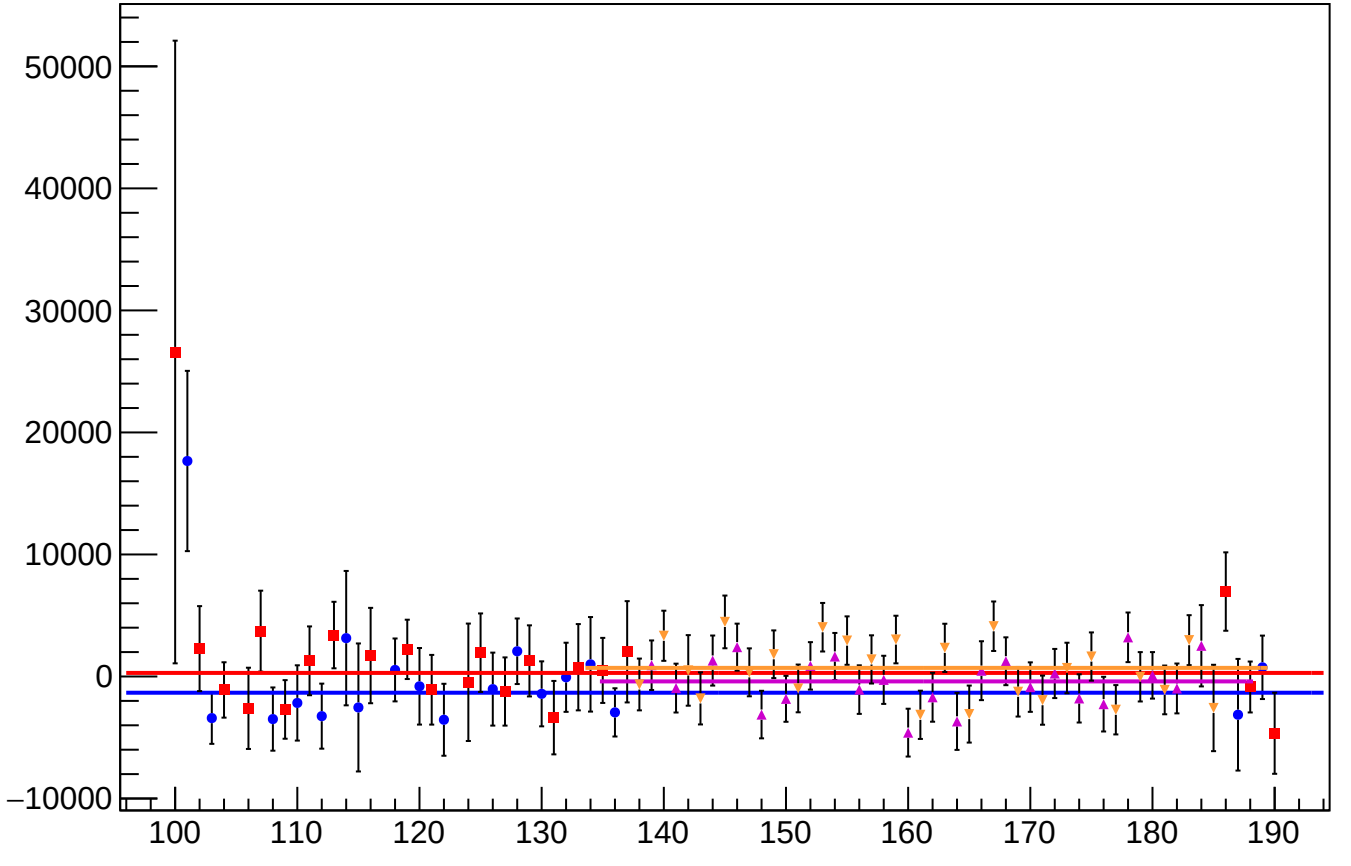
Out: 207.424+/-0.031 χ^2/NDF:9505991.9/46

All: 221.080+/-0.024 χ^2/NDF: 14697394.3/87


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.5/17
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/21
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 45.7/39
In: -0.000+/-0.000 χ²/NDF:34.7/40
Out: -0.000+/-0.000 χ²/NDF:44.7/46
All: -0.000+/-0.000 χ²/NDF: 79.5/87


asym_atr_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2455418.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3364896.5/21
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 5820317.2/39
In: 0.000+/-0.000 χ²/NDF:6950631.0/40
Out: 0.000+/-0.000 χ²/NDF:7110489.0/46
All: 0.000+/-0.000 χ²/NDF: 14107569.3/87

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1330.555+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 292.723+/-639.829 χ^2/NDF: 16.8/21

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

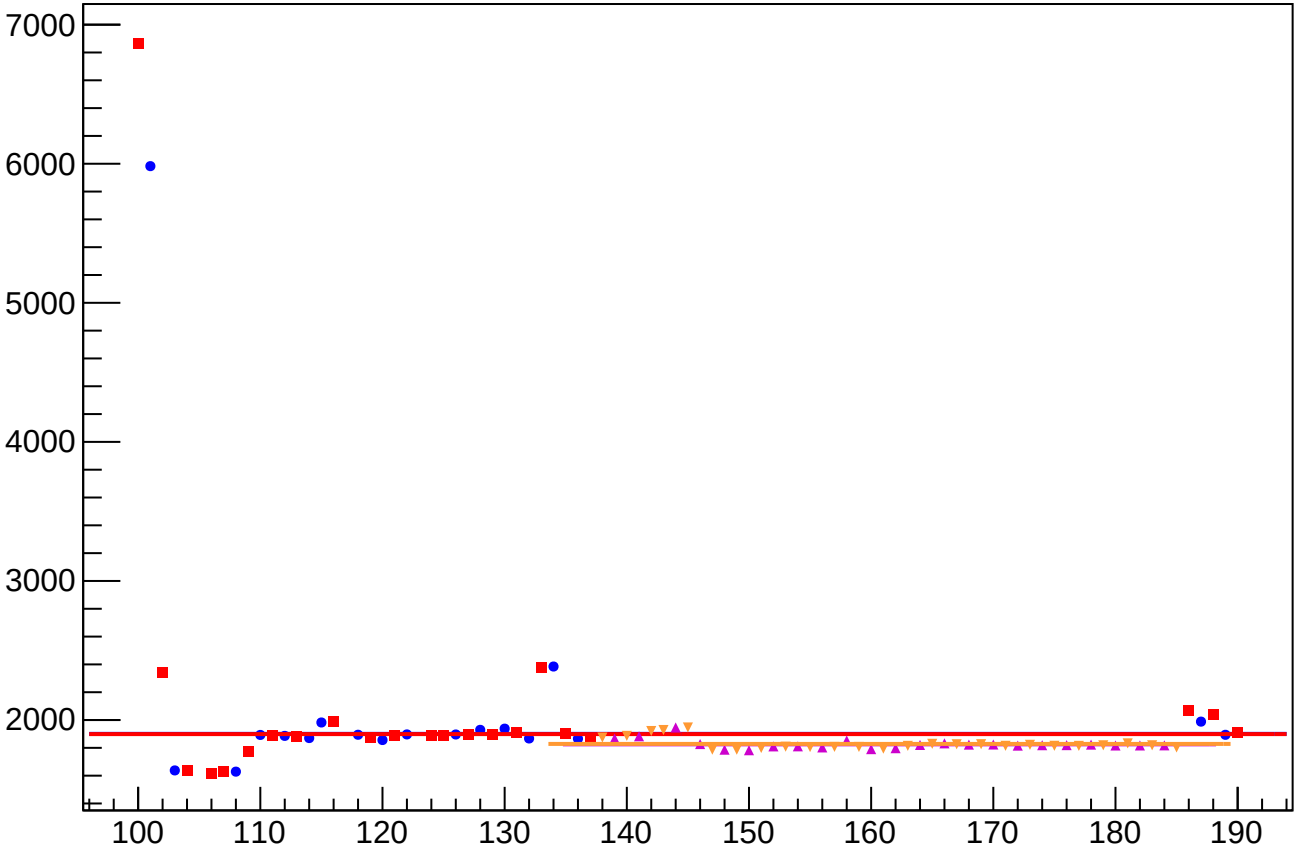
Right: -459.221+/-468.770 χ^2/NDF: 34.1/39

In: -659.947+/-362.432 χ^2/NDF:36.4/40

Out: 583.280+/-348.401 χ^2/NDF:49.0/46

All: -13.803+/-251.171 χ^2/NDF: 91.5/87

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.1/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1898.812+/-0.451 χ^2/NDF: 224871.6/21

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

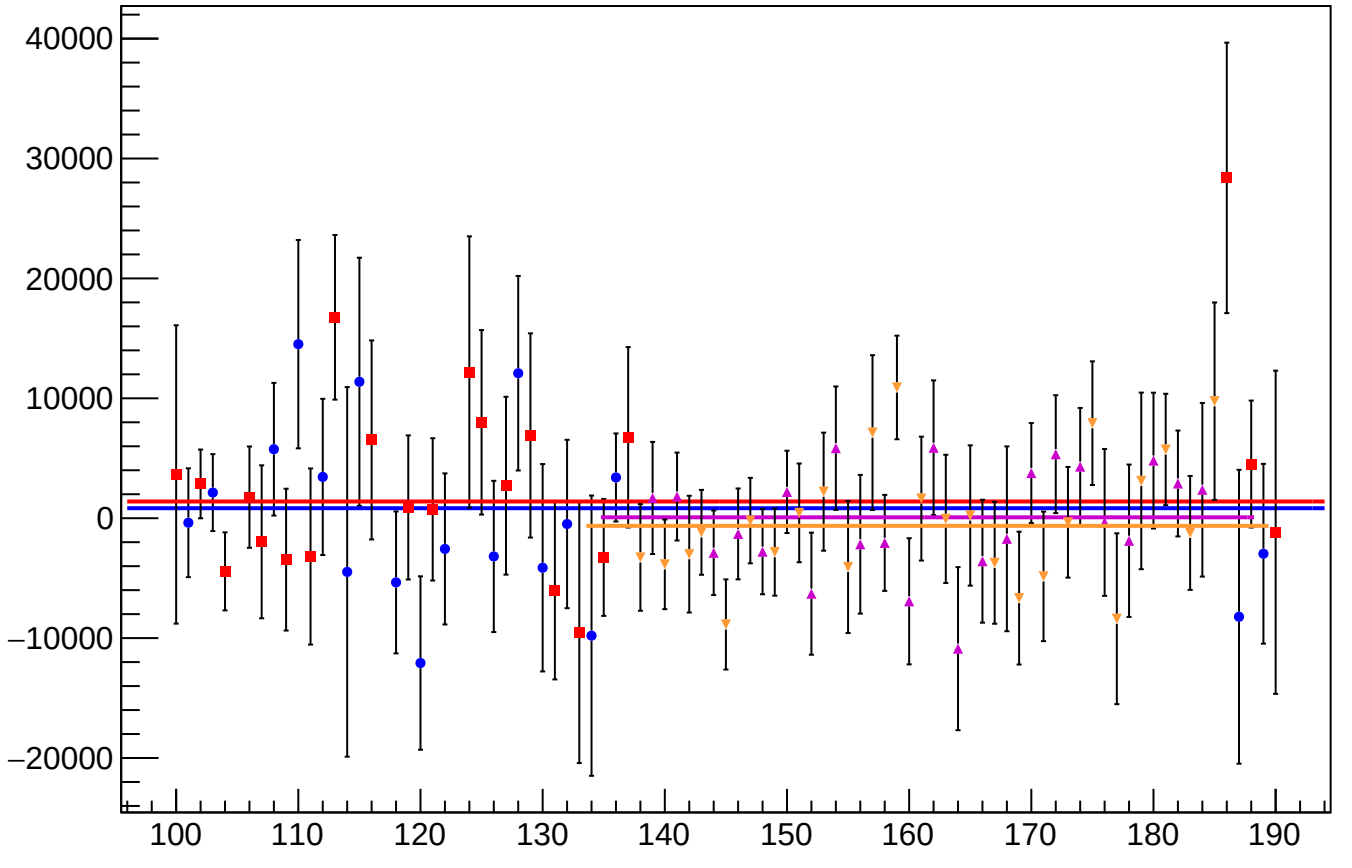
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1899.594+/-0.331 χ^2/NDF: 923157.2/39

In: 1846.026+/-0.256 χ^2/NDF:728943.6/40

Out: 1849.250+/-0.246 χ^2/NDF:261384.1/46

All: 1847.703+/-0.178 χ^2/NDF: 990410.0/87



Right In: 833.001+/-1441.221 χ^2/NDF: 14.2/17

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1395.721+/-1255.660 χ^2/NDF: 21.9/21

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

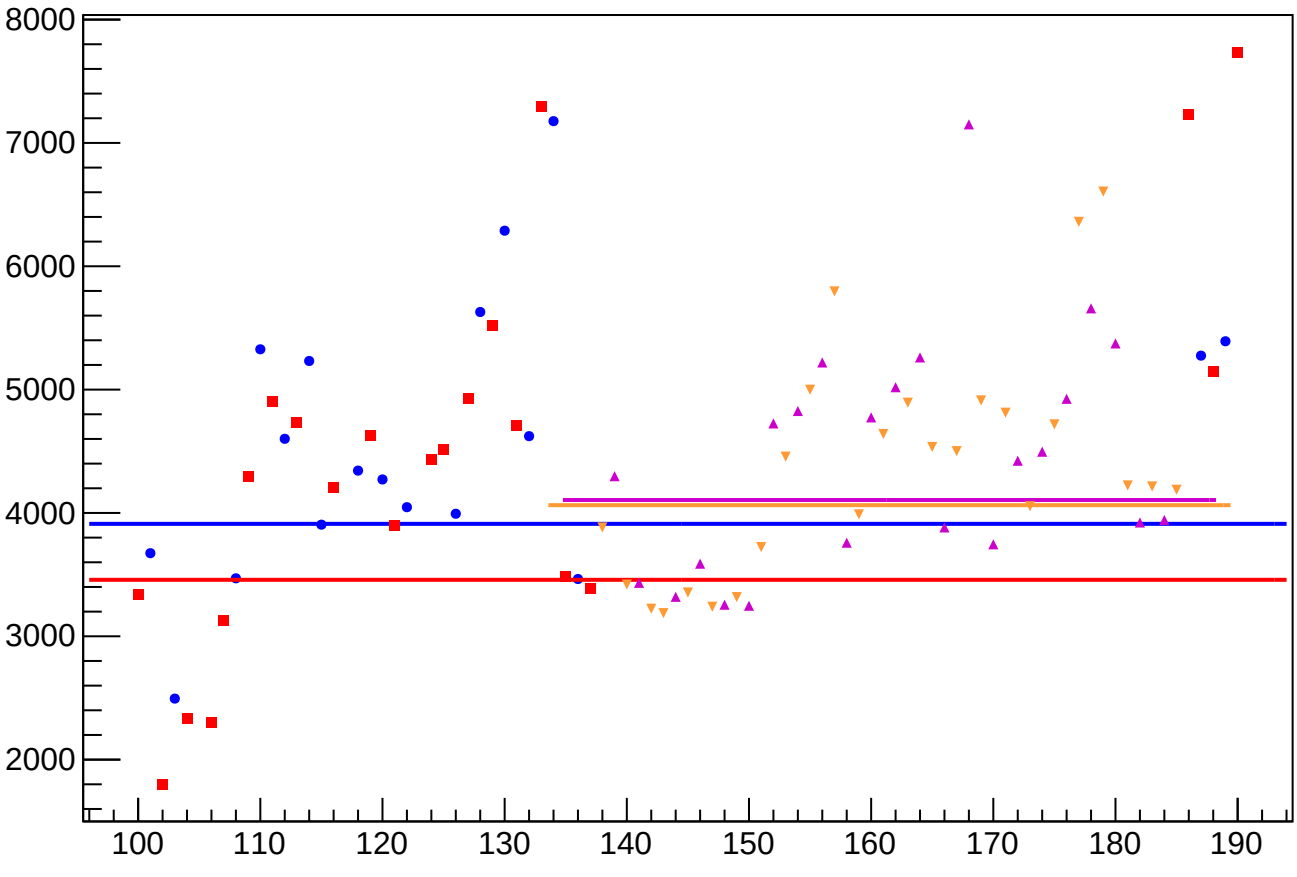
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1152.897+/-946.739 χ^2/NDF: 36.2/39

In: 315.268+/-810.533 χ^2/NDF:29.8/40

Out: 99.419+/-756.011 χ^2/NDF:49.5/46

All: 199.840+/-552.851 χ^2/NDF: 79.4/87



Right In: 3911.645+/-1.019 χ^2/NDF: 1064971.5/17

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3457.946+/-0.888 χ^2/NDF: 2536321.6/21

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

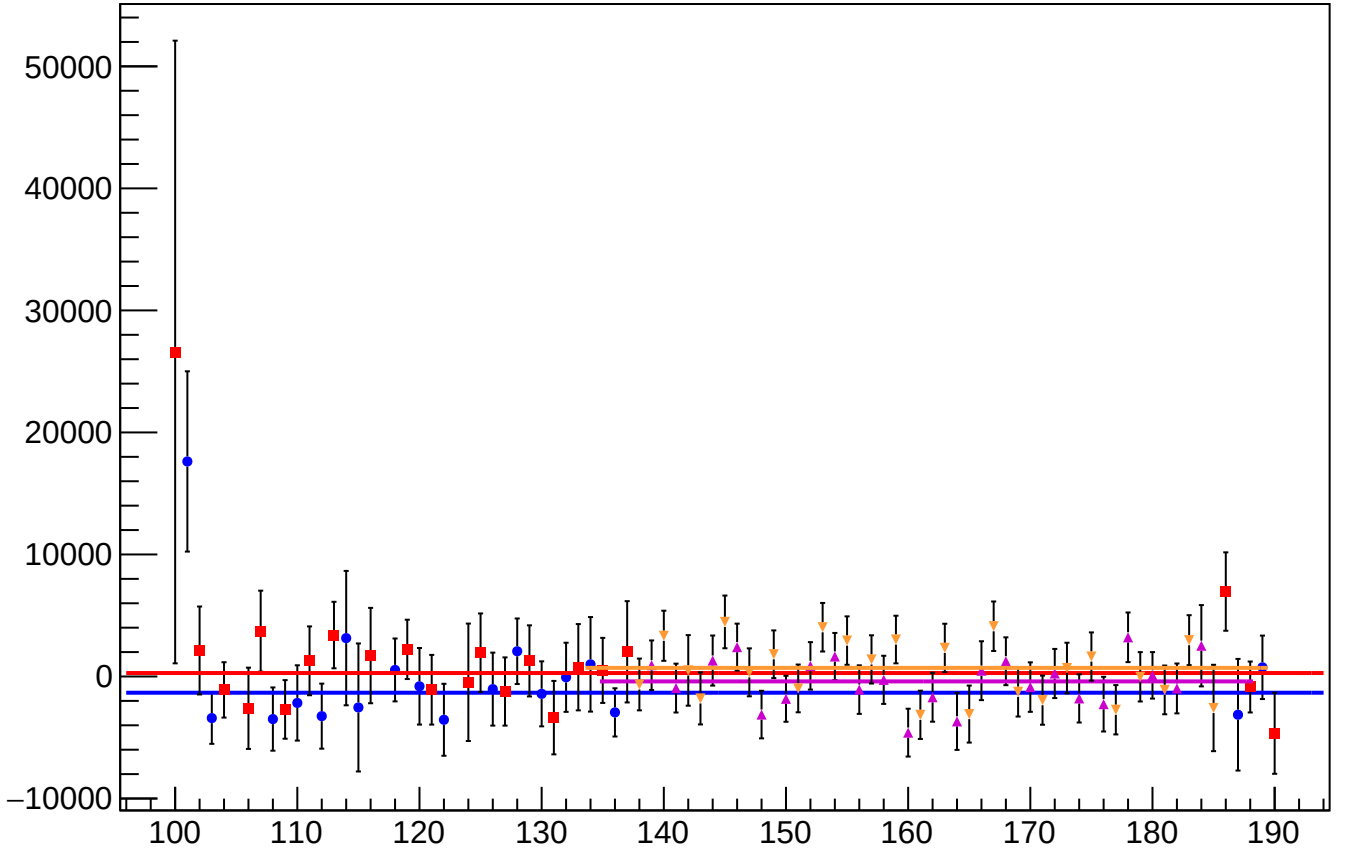
Right: 3653.726+/-0.669 χ^2/NDF: 3713966.0/39

In: 4043.884+/-0.573 χ^2/NDF:2449091.7/40

Out: 3843.735+/-0.535 χ^2/NDF:4237504.6/46

All: 3936.852+/-0.391 χ^2/NDF: 6751812.1/87

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1330.917+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 283.965+/-640.544 χ^2/NDF: 16.7/21

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

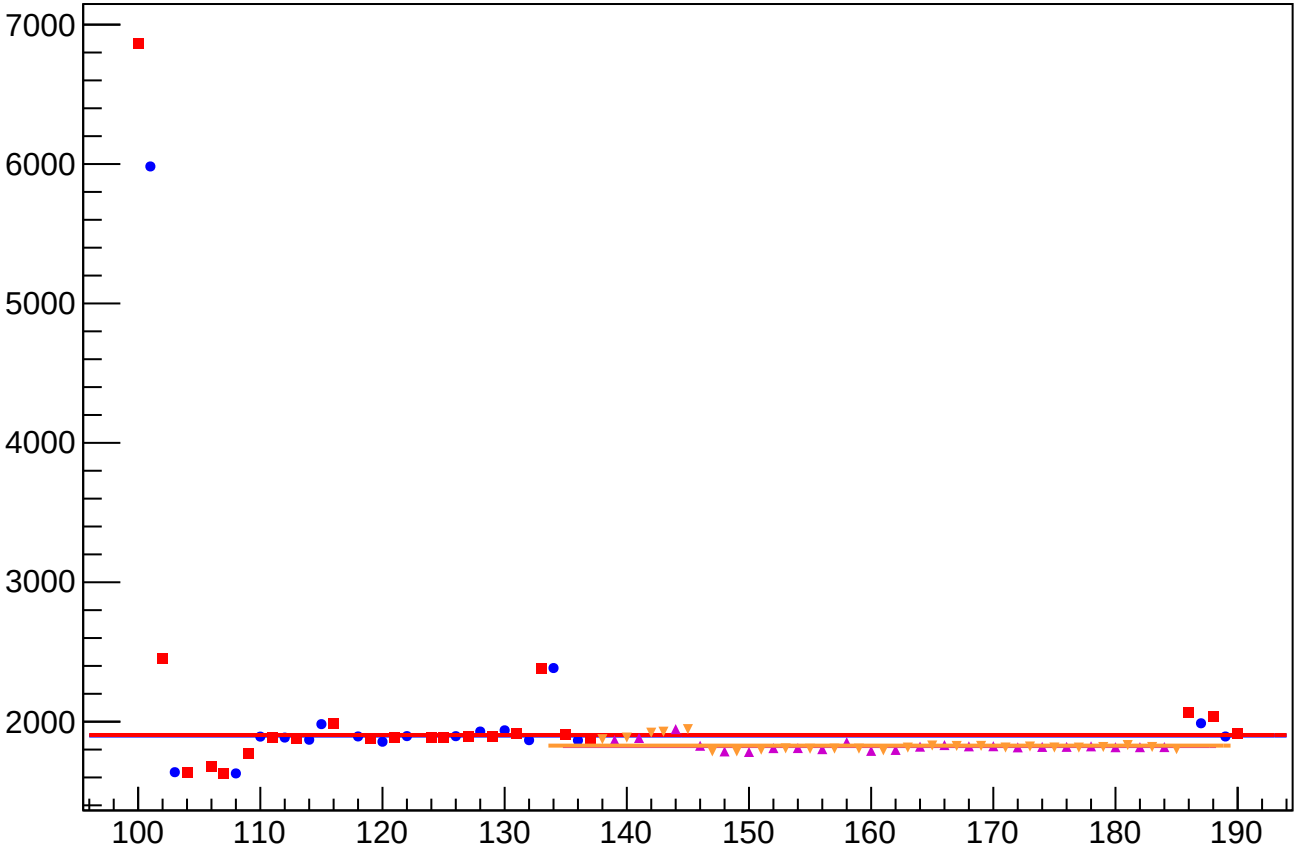
Right: -464.987+/-469.051 χ^2/NDF: 34.0/39

In: -659.929+/-362.432 χ^2/NDF:36.4/40

Out: 580.921+/-348.517 χ^2/NDF:48.9/46

All: -15.226+/-251.214 χ^2/NDF: 91.4/87

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1904.544+/-0.452 χ^2/NDF: 232442.1/21

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

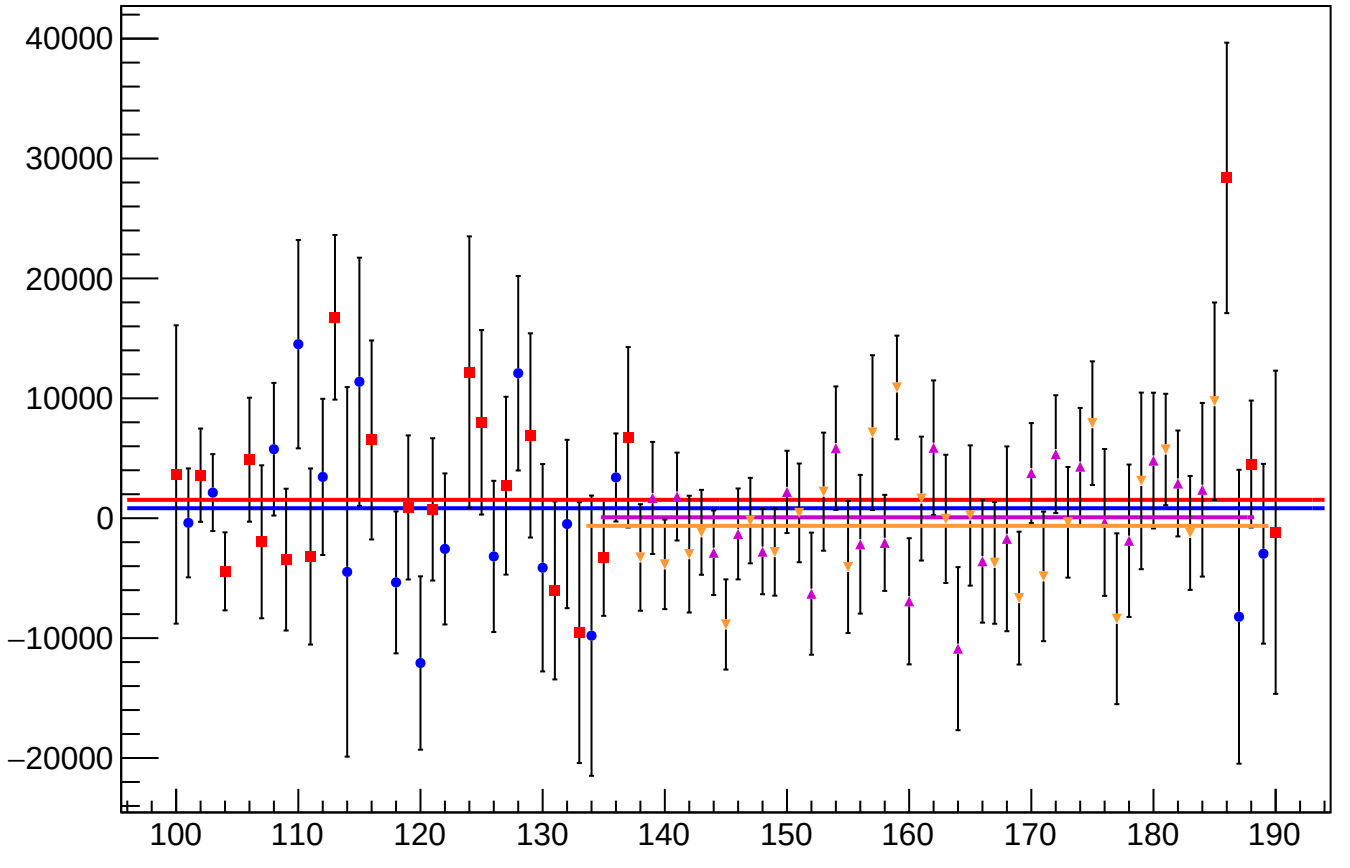
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1902.673+/-0.331 χ^2/NDF: 930758.3/39

In: 1846.026+/-0.256 χ^2/NDF:728943.7/40

Out: 1850.872+/-0.246 χ^2/NDF:271785.1/46

All: 1848.545+/-0.178 χ^2/NDF: 1000914.5/87



Right In: 831.828+/-1441.381 χ^2/NDF: 14.2/17

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1533.095+/-1336.321 χ^2/NDF: 22.4/21

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

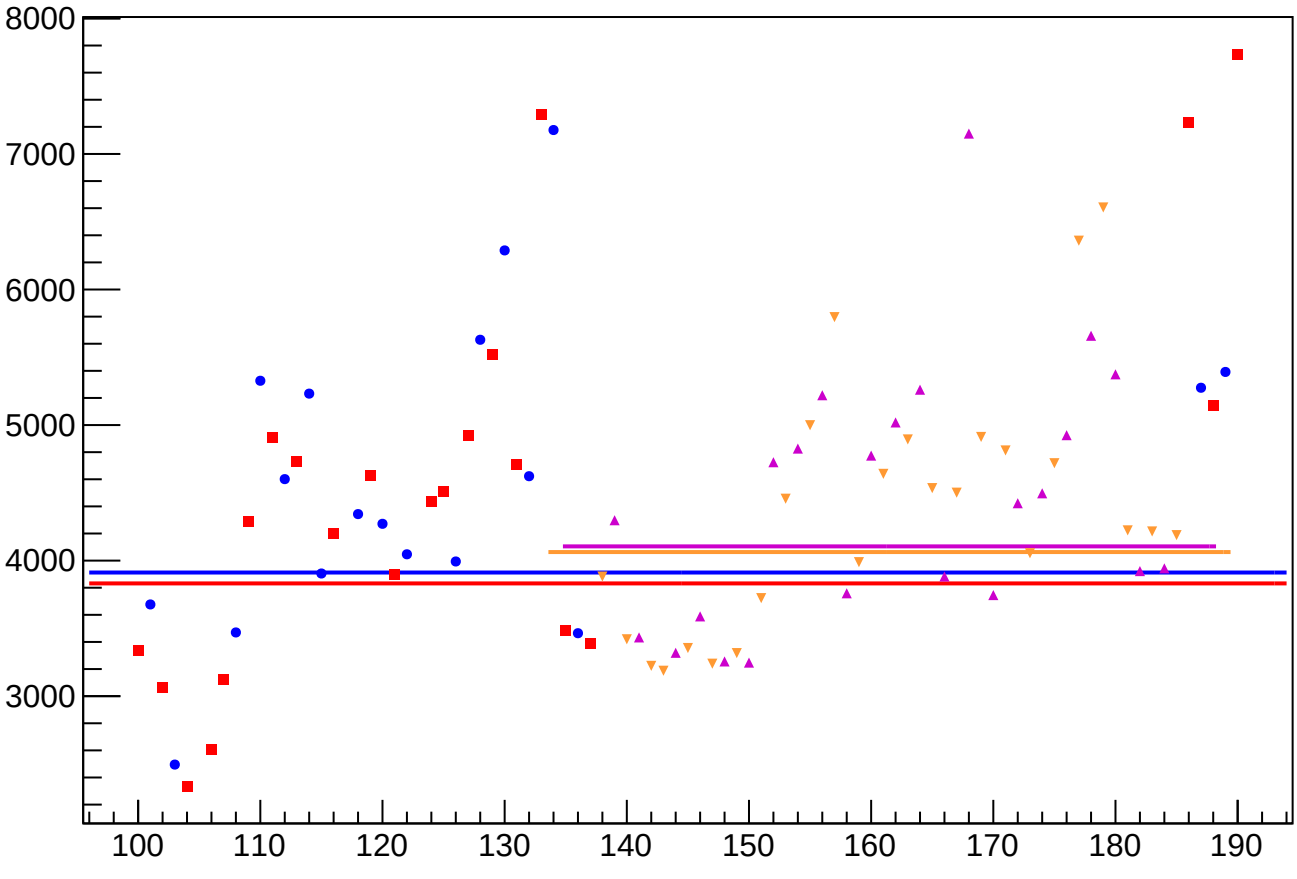
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1208.947+/-979.961 χ^2/NDF: 36.7/39

In: 314.877+/-810.561 χ^2/NDF:29.8/40

Out: 87.869+/-772.582 χ^2/NDF:50.1/46

All: 195.931+/-559.243 χ^2/NDF: 80.0/87



Right In: 3912.162+/-1.019 χ^2/NDF: 1064433.5/17

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3831.807+/-0.945 χ^2/NDF: 1632565.9/21

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

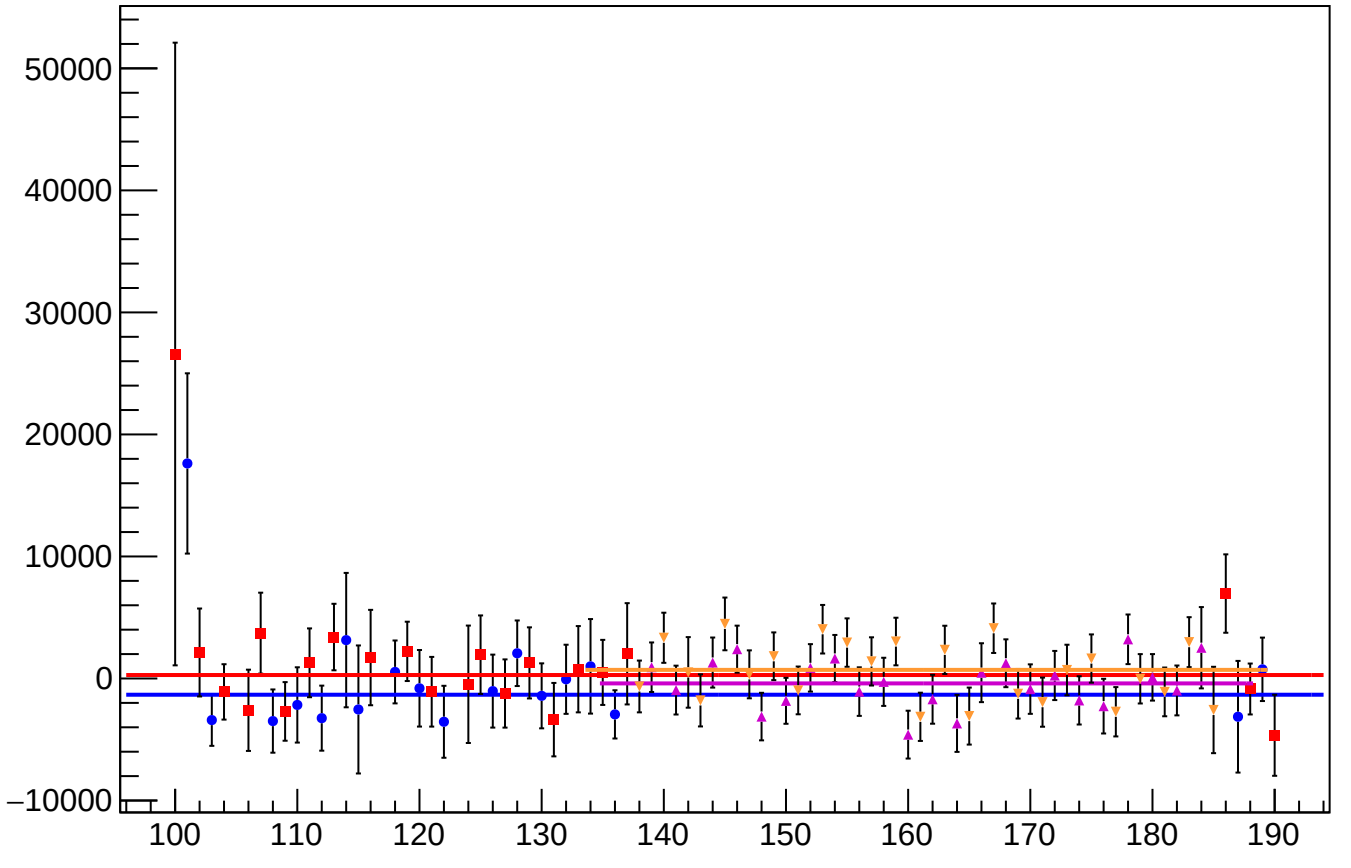
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 3868.950+/-0.693 χ^2/NDF: 2700342.0/39

In: 4044.051+/-0.573 χ^2/NDF:2448425.3/40

Out: 3985.795+/-0.546 χ^2/NDF:3077486.7/46

All: 4013.526+/-0.395 χ^2/NDF: 5531325.2/87



Right In: -1330.917+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 283.965+/-640.544 χ^2/NDF: 16.7/21

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

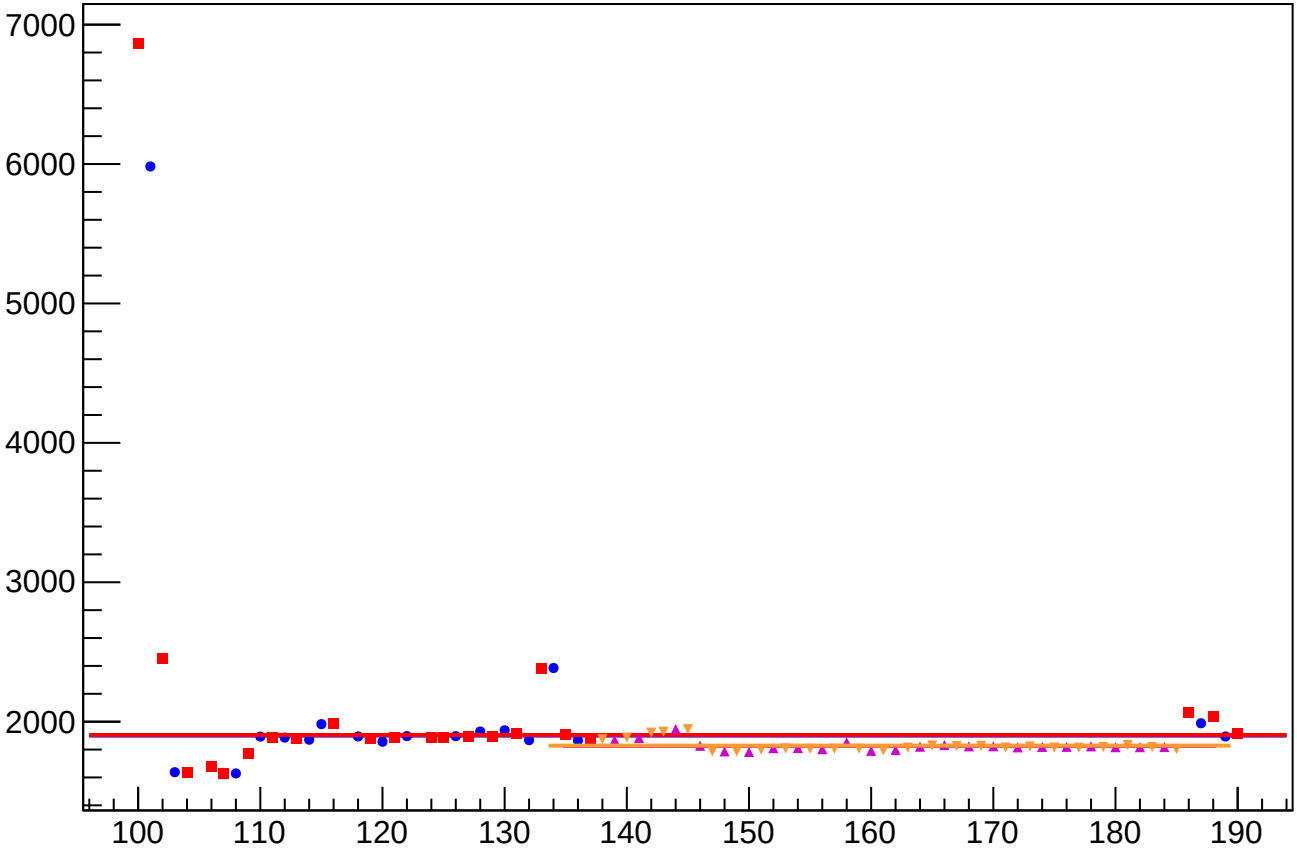
Right: -464.987+/-469.051 χ^2/NDF: 34.0/39

In: -659.929+/-362.432 χ^2/NDF:36.4/40

Out: 580.921+/-348.517 χ^2/NDF:48.9/46

All: -15.226+/-251.214 χ^2/NDF: 91.4/87

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1904.544+/-0.452 χ^2/NDF: 232442.1/21

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

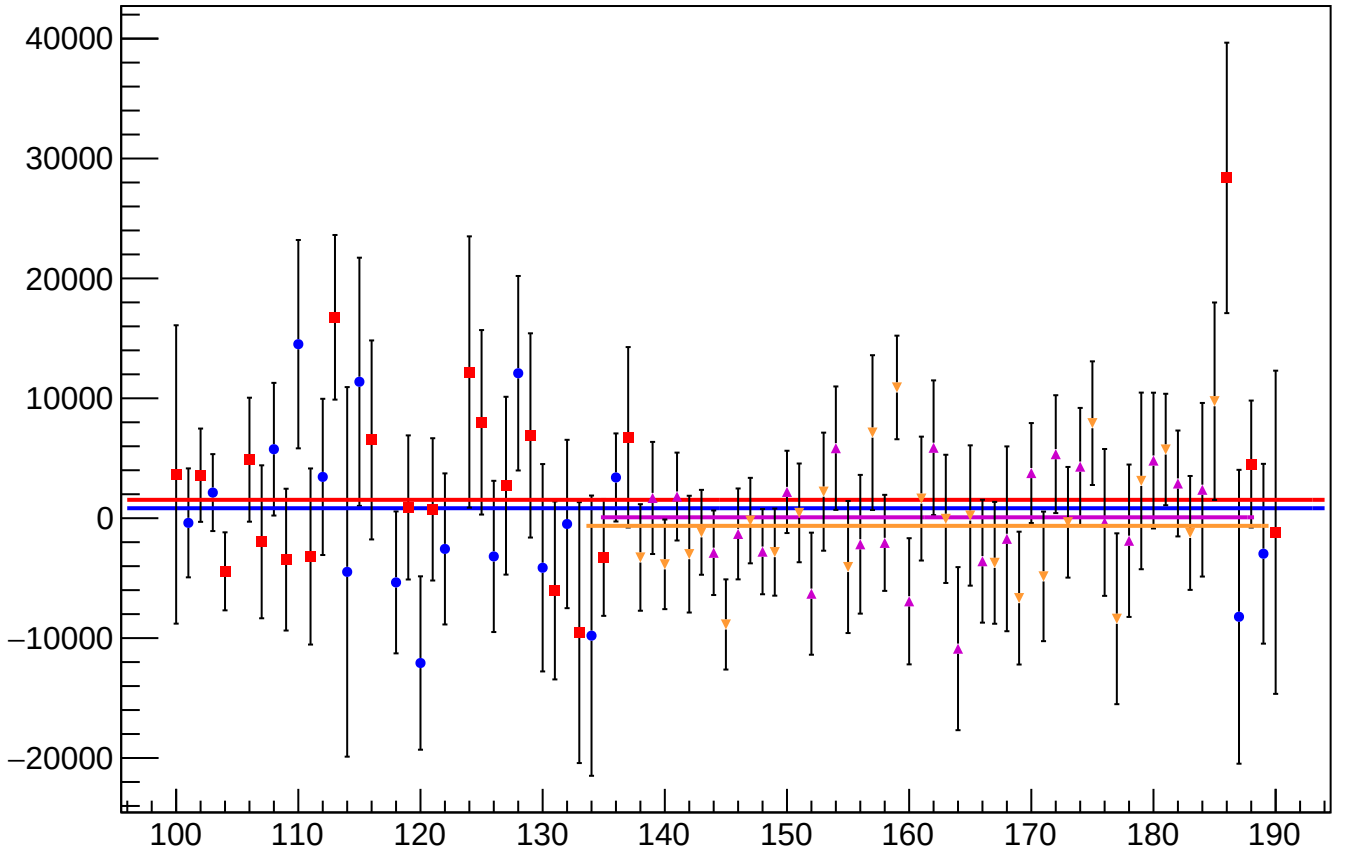
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1902.673+/-0.331 χ^2/NDF: 930758.3/39

In: 1846.026+/-0.256 χ^2/NDF:728943.7/40

Out: 1850.872+/-0.246 χ^2/NDF:271785.1/46

All: 1848.545+/-0.178 χ^2/NDF: 1000914.5/87



Right In: 831.828+/-1441.381 χ^2/NDF: 14.2/17

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1533.095+/-1336.321 χ^2/NDF: 22.4/21

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

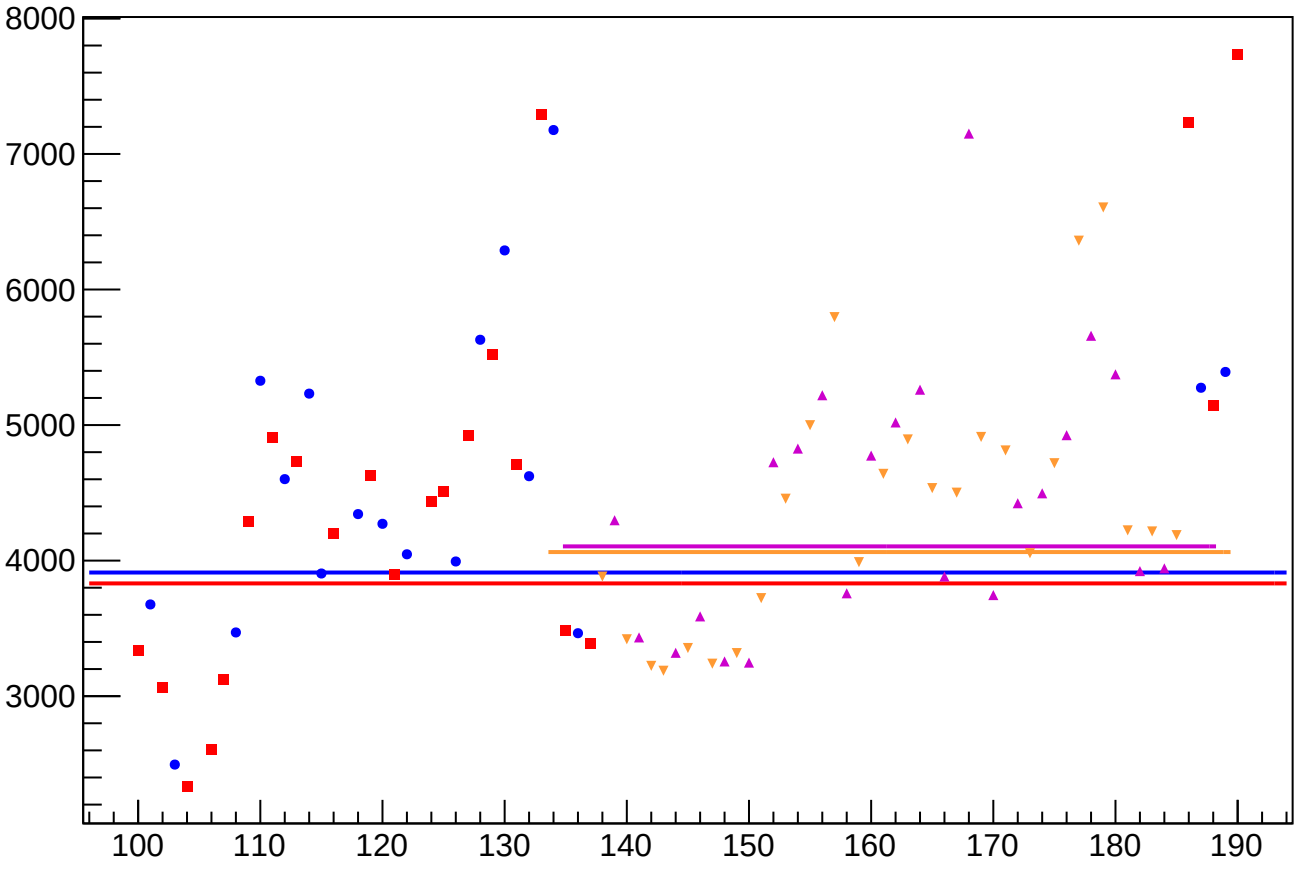
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1208.947+/-979.961 χ^2/NDF: 36.7/39

In: 314.877+/-810.561 χ^2/NDF:29.8/40

Out: 87.869+/-772.582 χ^2/NDF:50.1/46

All: 195.931+/-559.243 χ^2/NDF: 80.0/87



Right In: 3912.162+/-1.019 χ^2/NDF: 1064433.5/17

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3831.807+/-0.945 χ^2/NDF: 1632565.9/21

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

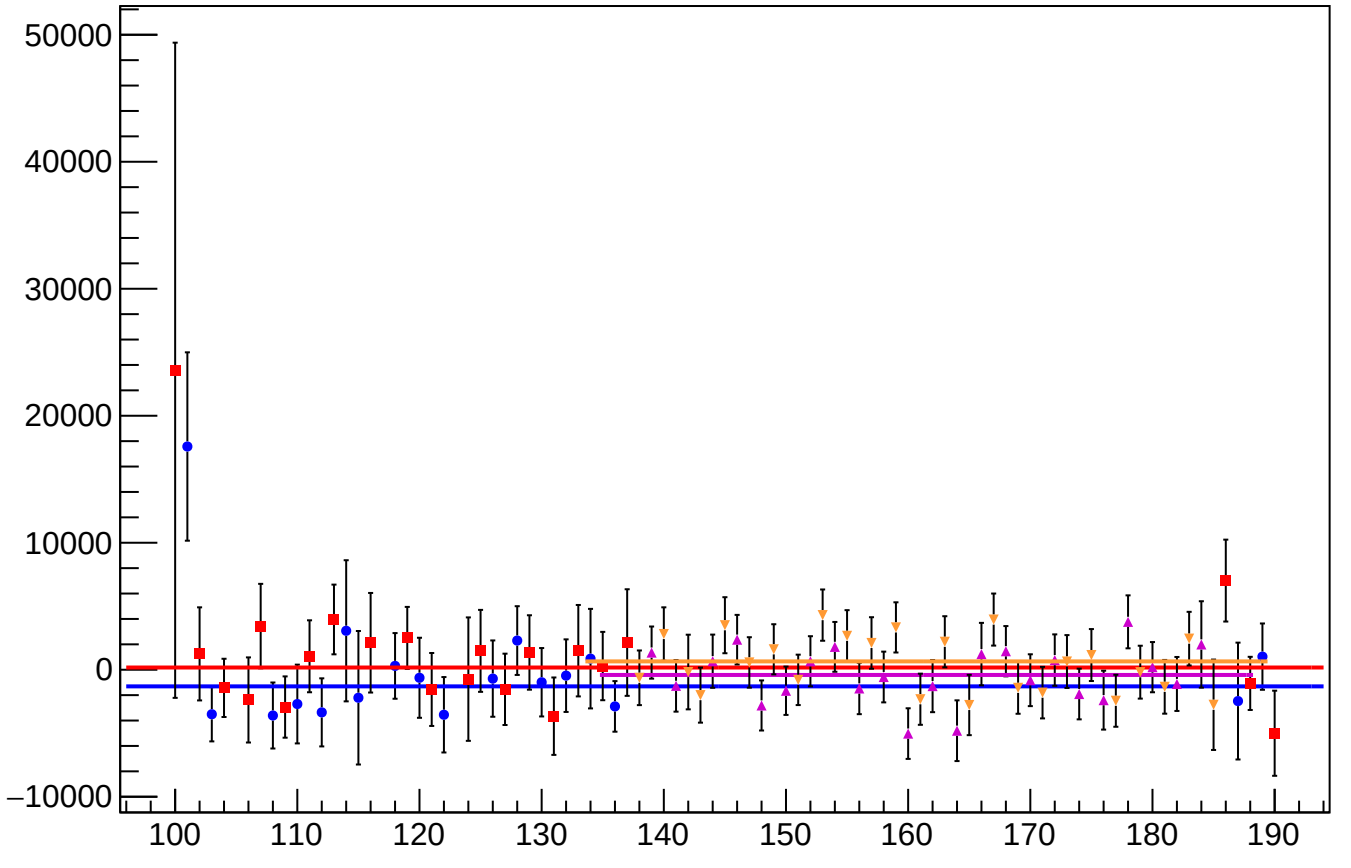
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 3868.950+/-0.693 χ^2/NDF: 2700342.0/39

In: 4044.051+/-0.573 χ^2/NDF:2448425.3/40

Out: 3985.795+/-0.546 χ^2/NDF:3077486.7/46

All: 4013.526+/-0.395 χ^2/NDF: 5531325.2/87



Right In: -1309.406+/-693.477 χ^2/NDF: 14.5/17

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 175.288+/-644.996 χ^2/NDF: 18.0/21

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

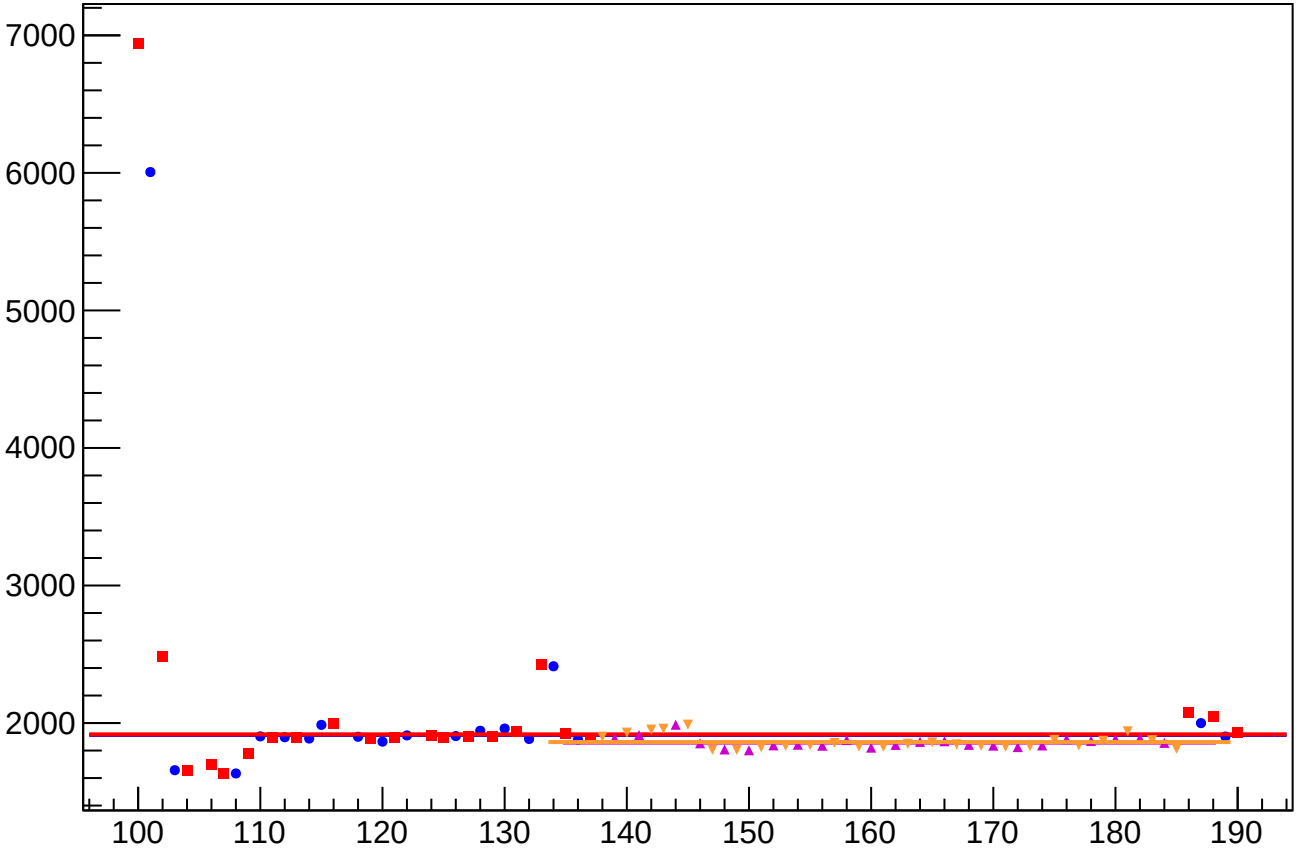
Right: -513.353+/-472.291 χ^2/NDF: 35.0/39

In: -663.630+/-367.806 χ^2/NDF:39.3/40

Out: 512.527+/-353.755 χ^2/NDF:45.5/46

All: -52.657+/-254.965 χ^2/NDF: 90.1/87

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1913.609+/-0.490 χ^2/NDF: 696963.0/17

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1917.659+/-0.456 χ^2/NDF: 234295.6/21

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

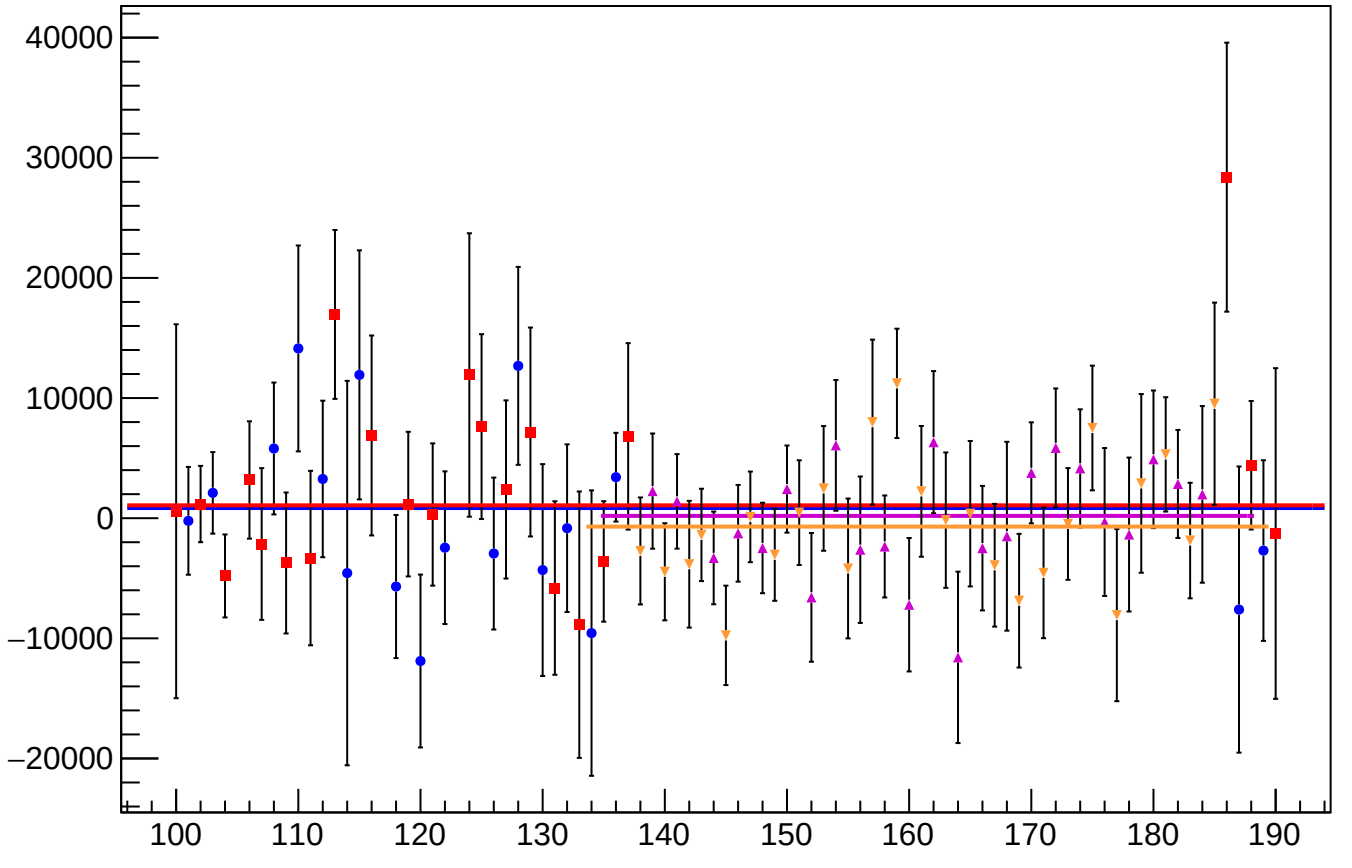
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1915.782+/-0.334 χ^2/NDF: 931295.2/39

In: 1873.399+/-0.260 χ^2/NDF:722699.8/40

Out: 1878.575+/-0.250 χ^2/NDF:270837.5/46

All: 1876.089+/-0.180 χ^2/NDF: 993743.1/87



Right In: 846.019+/-1457.765 χ^2/NDF: 14.2/17

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1069.921+/-1312.614 χ^2/NDF: 21.6/21

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

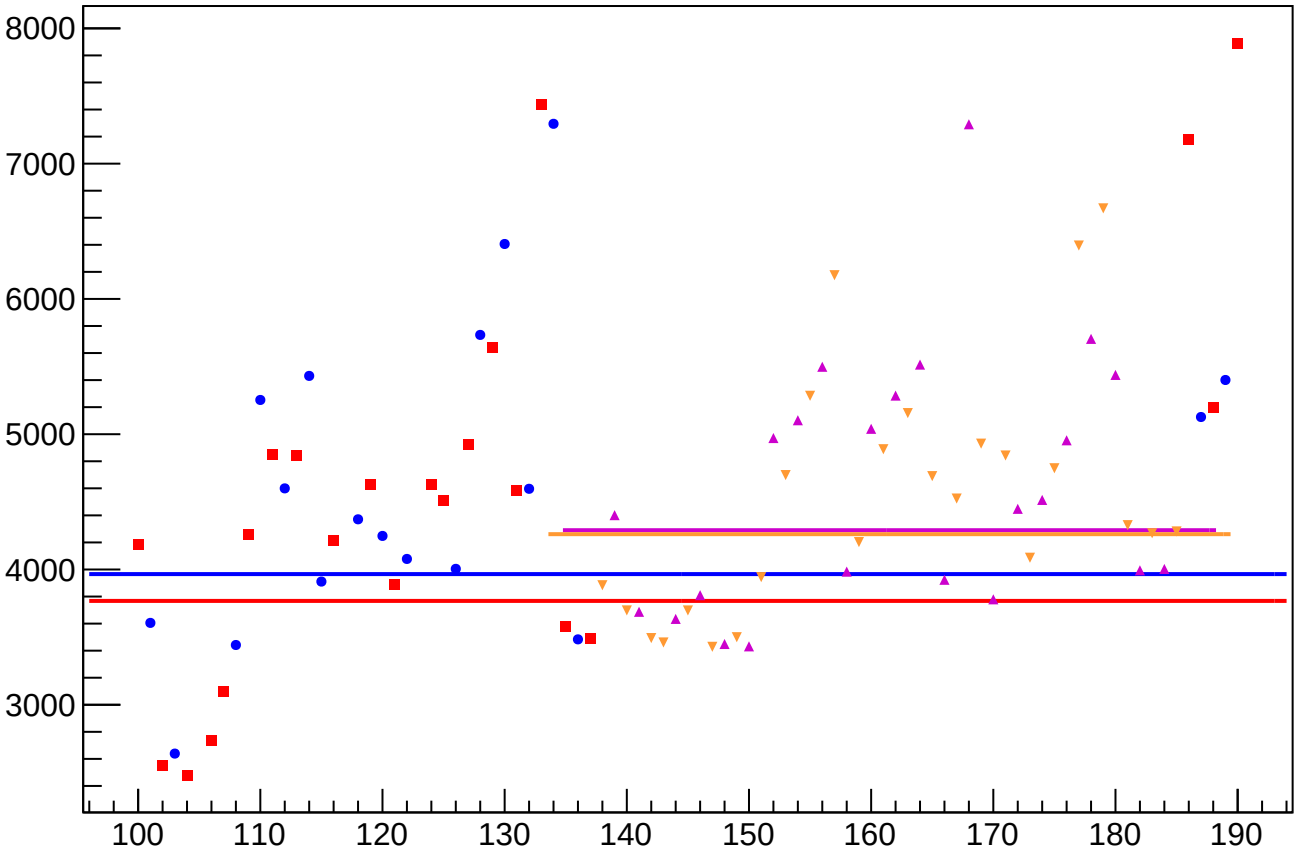
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 969.669+/-975.450 χ^2/NDF: 35.8/39

In: 407.981+/-837.091 χ^2/NDF:29.5/40

Out: -57.124+/-790.414 χ^2/NDF:48.1/46

All: 162.100+/-574.700 χ^2/NDF: 77.7/87



Right In: 3966.013+/-1.031 χ^2/NDF: 975339.7/17

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3767.804+/-0.928 χ^2/NDF: 1766243.0/21

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

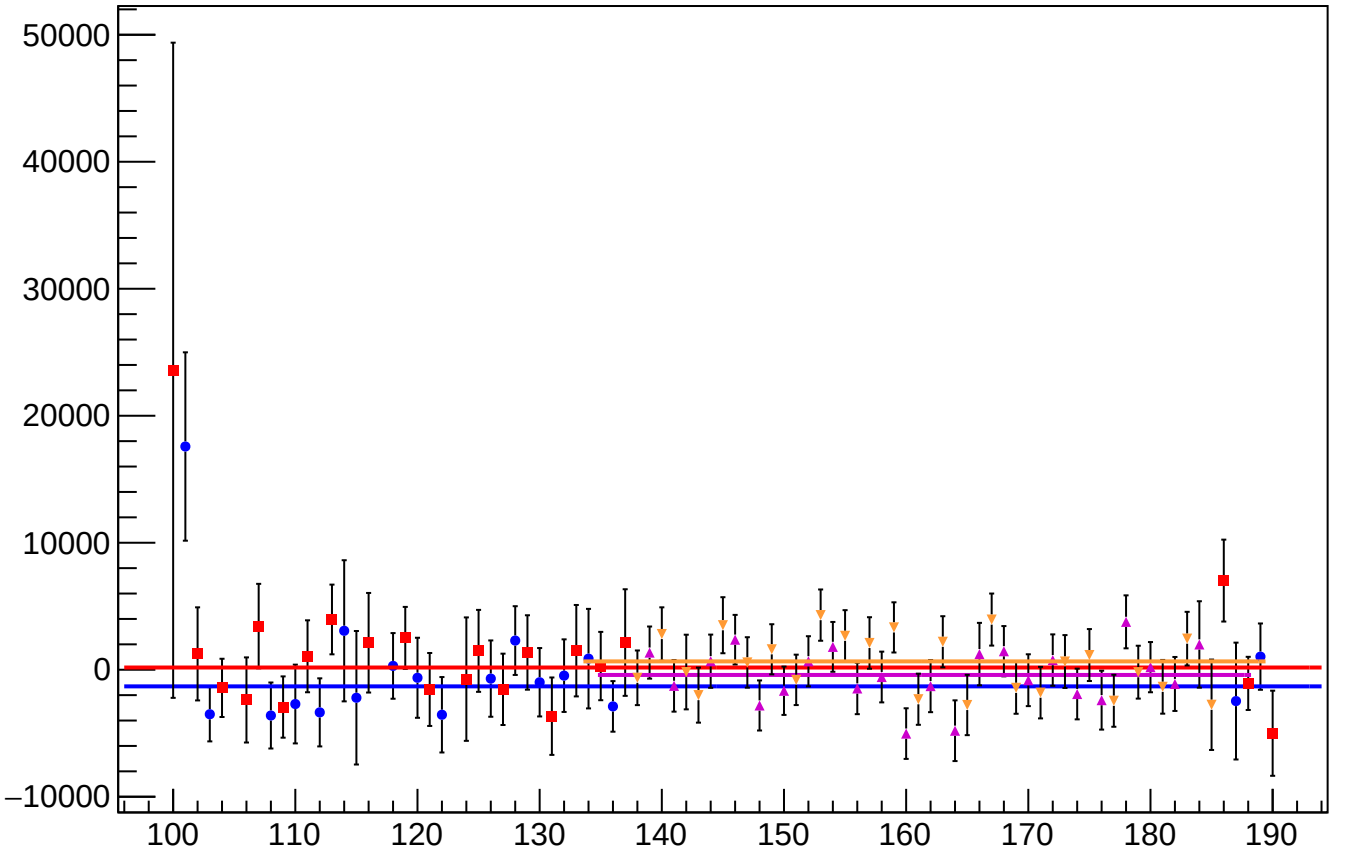
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 3856.552+/-0.690 χ^2/NDF: 2762001.7/39

In: 4183.436+/-0.592 χ^2/NDF:2255681.9/40

Out: 4082.243+/-0.559 χ^2/NDF:3136865.8/46

All: 4129.940+/-0.406 χ^2/NDF: 5407998.5/87



Right In: -1309.411+/-693.477 χ^2/NDF: 14.5/17

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 175.282+/-644.996 χ^2/NDF: 18.0/21

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

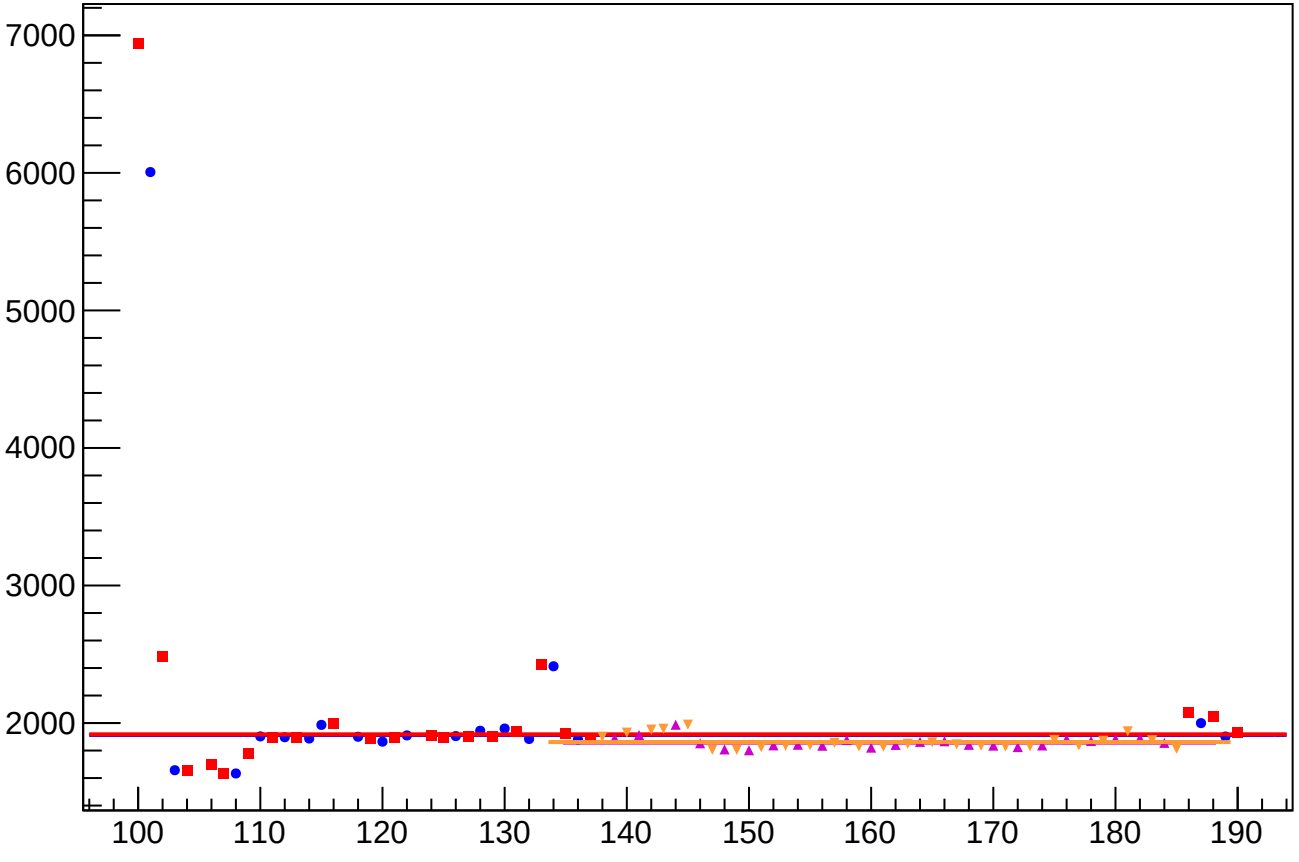
Right: -513.359+/-472.291 χ^2/NDF: 35.0/39

In: -663.631+/-367.806 χ^2/NDF:39.3/40

Out: 512.529+/-353.755 χ^2/NDF:45.5/46

All: -52.657+/-254.965 χ^2/NDF: 90.1/87

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1913.609+/-0.490 χ^2/NDF: 696962.9/17

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1917.659+/-0.456 χ^2/NDF: 234295.6/21

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

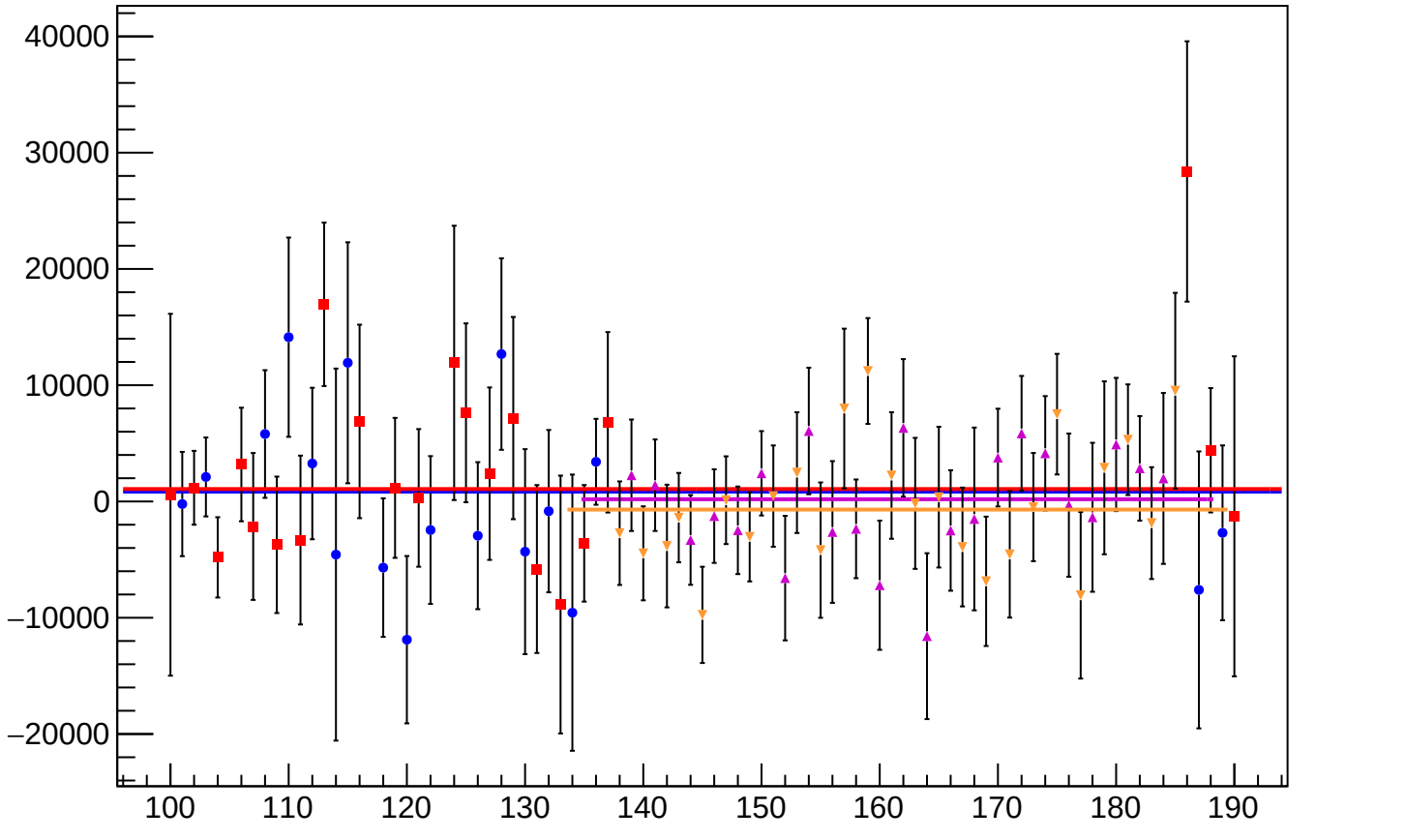
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1915.782+/-0.334 χ^2/NDF: 931295.1/39

In: 1873.399+/-0.260 χ^2/NDF:722699.4/40

Out: 1878.575+/-0.250 χ^2/NDF:270837.3/46

All: 1876.089+/-0.180 χ^2/NDF: 993742.5/87



Right In: 846.006+/-1457.764 χ^2/NDF: 14.2/17

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1069.919+/-1312.613 χ^2/NDF: 21.6/21

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

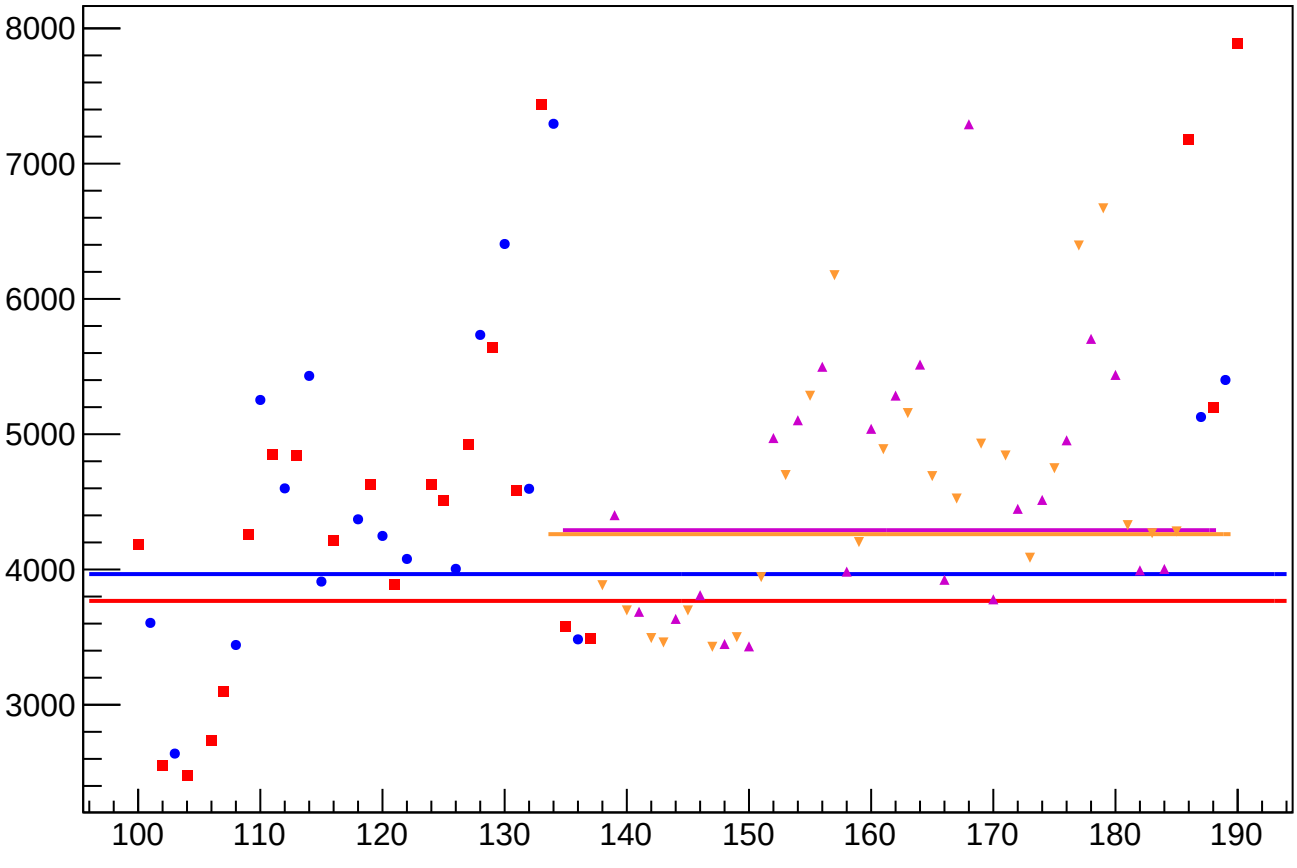
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 969.662+/-975.449 χ^2/NDF: 35.8/39

In: 407.979+/-837.091 χ^2/NDF:29.5/40

Out: -57.122+/-790.414 χ^2/NDF:48.1/46

All: 162.100+/-574.700 χ^2/NDF: 77.7/87



Right In: 3966.010+/-1.031 χ^2/NDF: 975331.9/17

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3767.802+/-0.928 χ^2/NDF: 1766235.6/21

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

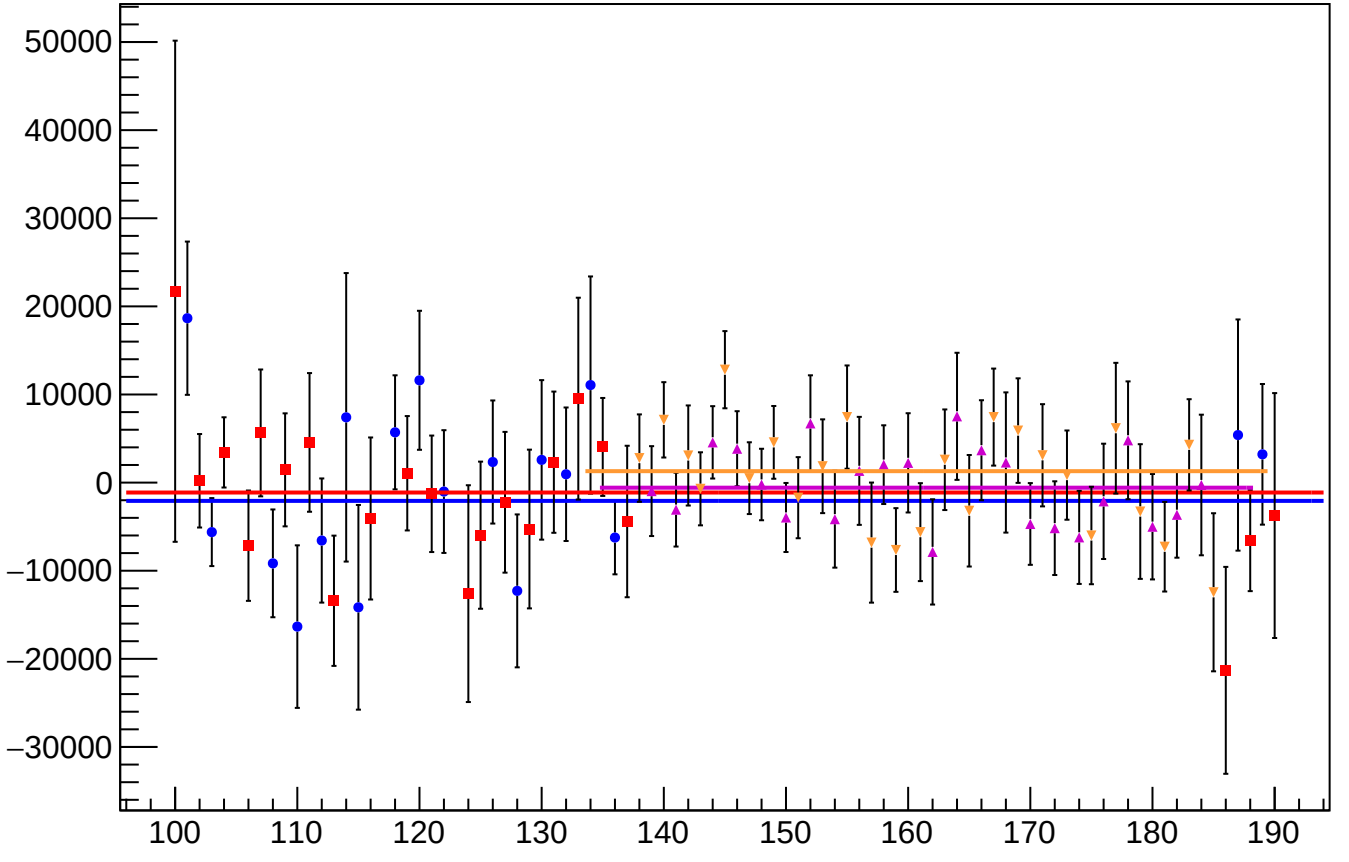
Right: 3856.549+/-0.690 χ^2/NDF: 2761986.6/39

In: 4183.439+/-0.592 χ^2/NDF:2255683.6/40

Out: 4082.246+/-0.559 χ^2/NDF:3136868.2/46

All: 4129.943+/-0.406 χ^2/NDF: 5408002.7/87

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2074.533+/-1667.471 χ^2/NDF: 21.7/17

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1125.143+/-1538.035 χ^2/NDF: 14.9/21

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

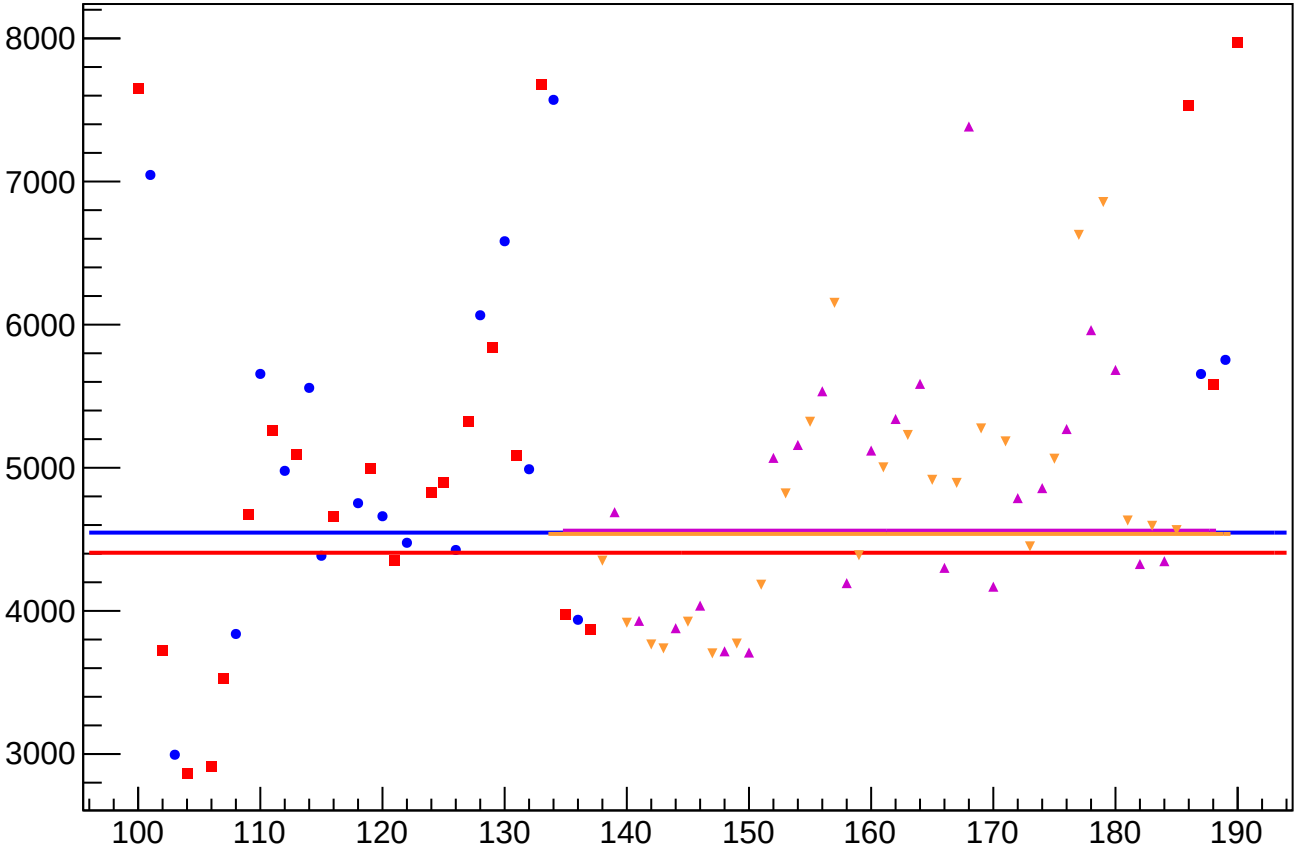
Right: -1561.564+/-1130.548 χ^2/NDF: 36.7/39

In: -1020.396+/-907.733 χ^2/NDF:36.7/40

Out: 528.378+/-866.936 χ^2/NDF:45.1/46

All: -210.424+/-626.943 χ^2/NDF: 83.2/87

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4546.993+/-1.179 χ^2/NDF: 955511.1/17

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4406.348+/-1.080 χ^2/NDF: 1235057.2/21

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

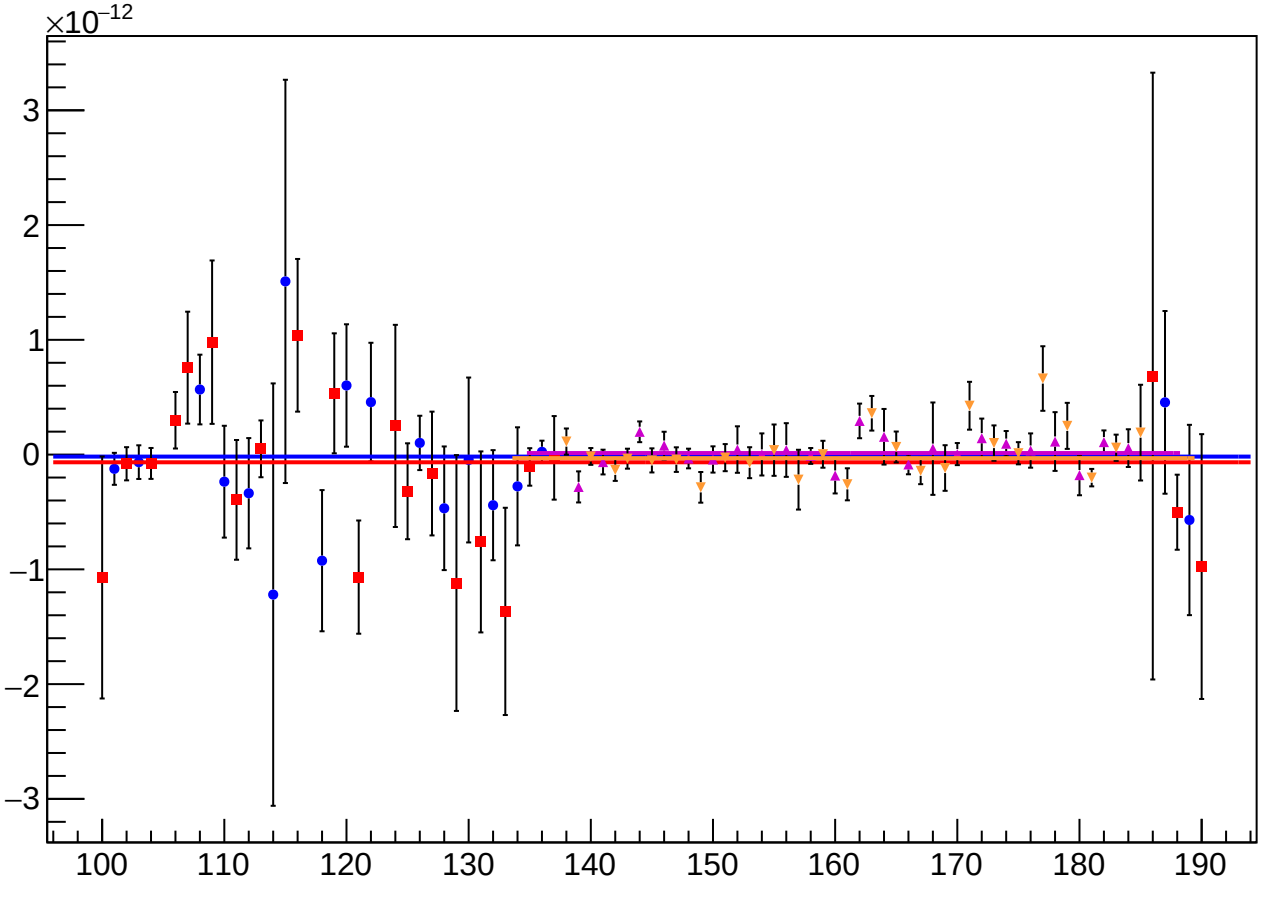
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4470.486+/-0.796 χ^2/NDF: 2198308.2/39

In: 4556.501+/-0.642 χ^2/NDF:1935804.8/40

Out: 4495.705+/-0.612 χ^2/NDF:2238051.4/46

All: 4524.635+/-0.443 χ^2/NDF: 4178558.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/21

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

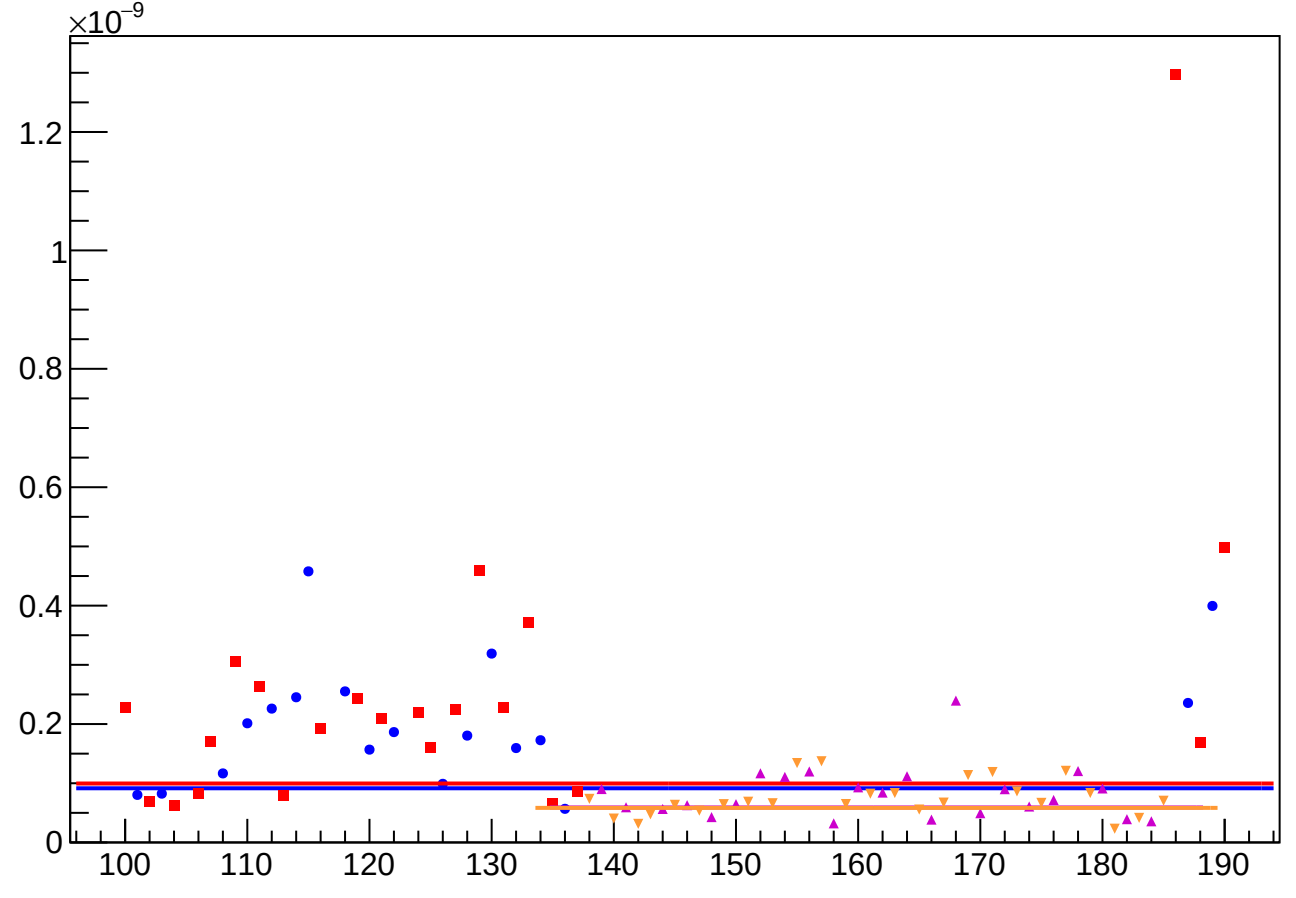
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 37.6/39

In: 0.000+/-0.000 χ^2/NDF:34.4/40

Out: -0.000+/-0.000 χ^2/NDF:61.9/46

All: -0.000+/-0.000 χ^2/NDF: 98.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 1575216.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2445584.1/21

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

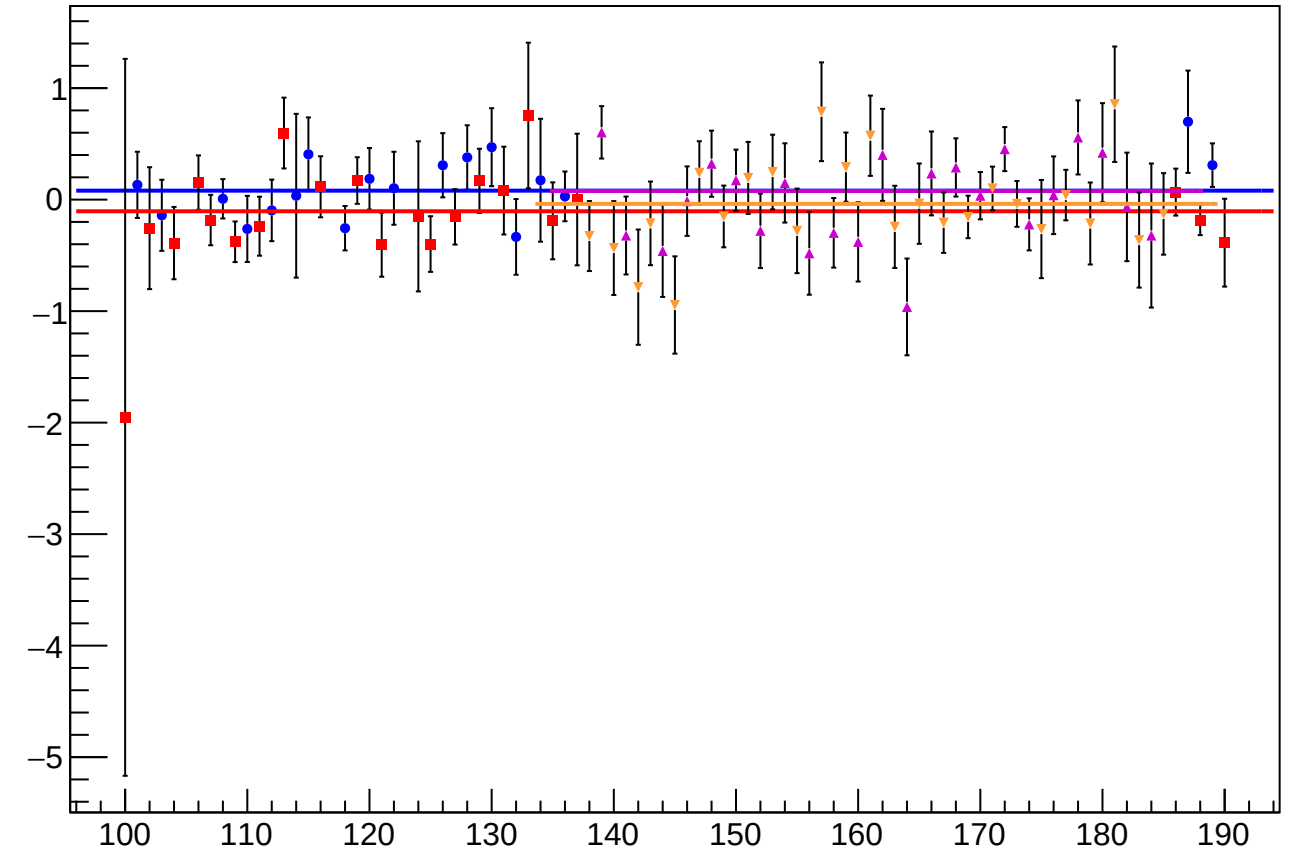
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4036744.5/39

In: 0.000+/-0.000 χ^2/NDF:4158030.0/40

Out: 0.000+/-0.000 χ^2/NDF:5055003.1/46

All: 0.000+/-0.000 χ^2/NDF: 9213884.6/87



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.104+/-0.058 χ^2/NDF: 19.2/21

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

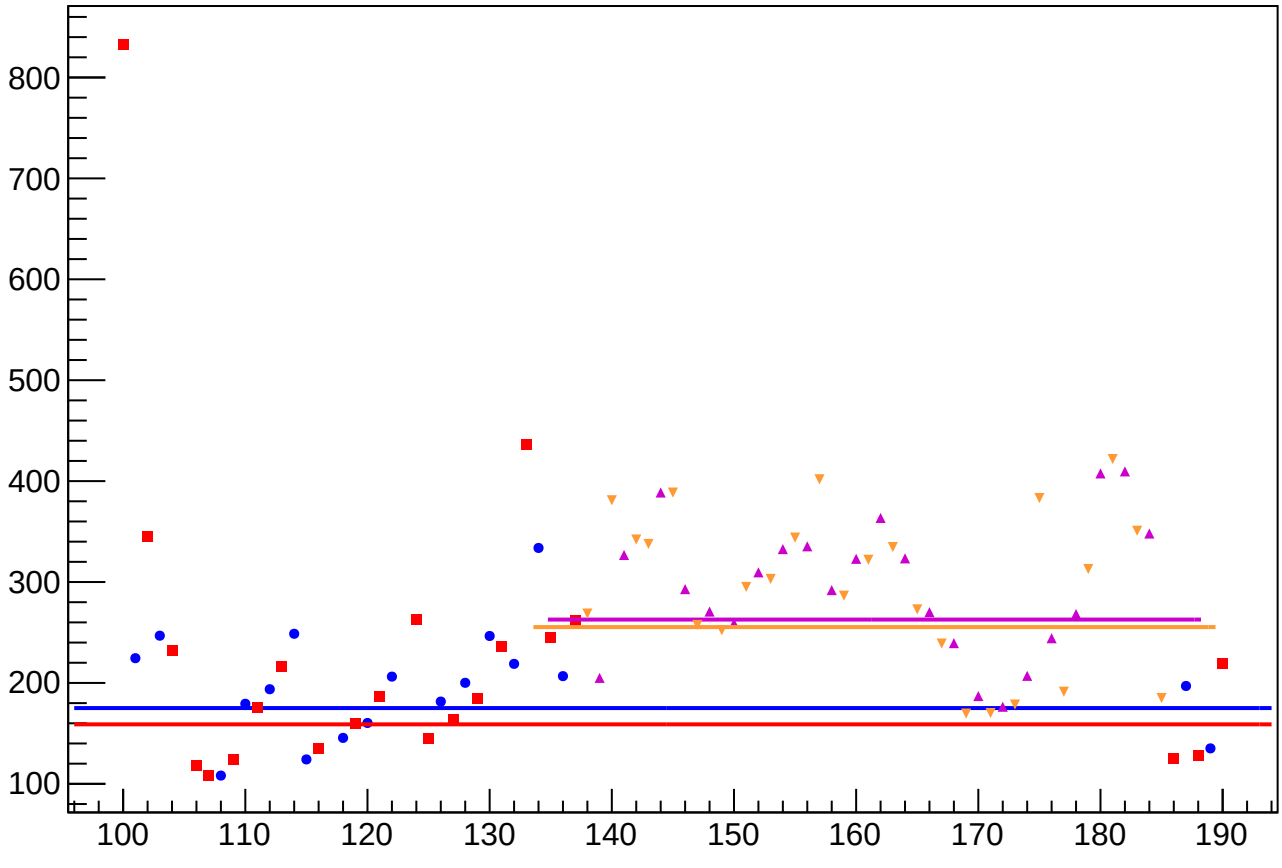
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.024+/-0.043 χ^2/NDF: 37.8/39

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.074+/-0.042 χ^2/NDF:44.2/46

All: -0.004+/-0.031 χ^2/NDF: 95.4/87



Right In: 175.093+/-0.046 χ^2/NDF: 1015719.6/17

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 158.950+/-0.041 χ^2/NDF: 1650349.3/21

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

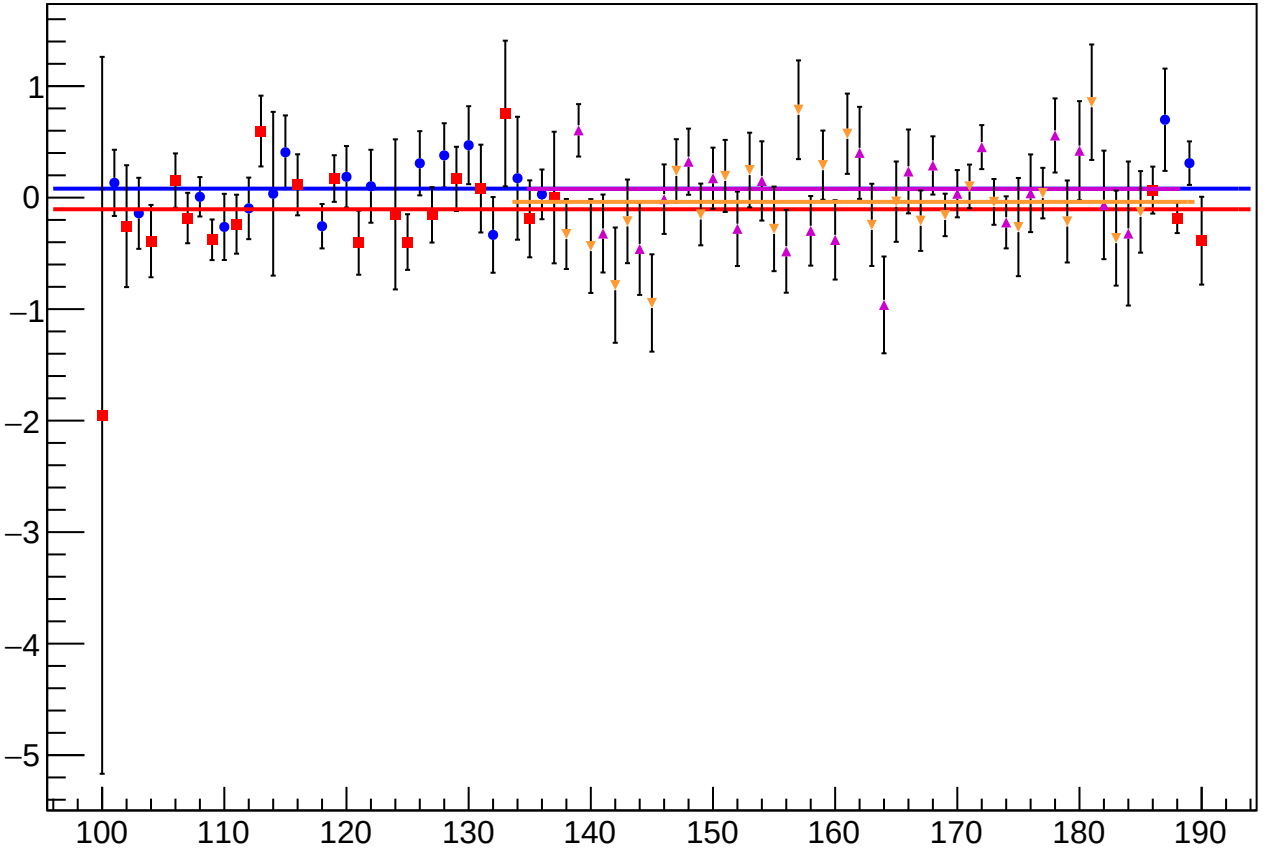
Right: 165.957+/-0.031 χ^2/NDF: 2734426.4/39

In: 219.480+/-0.033 χ^2/NDF:4845238.0/40

Out: 203.610+/-0.030 χ^2/NDF:7187656.8/46

All: 210.825+/-0.022 χ^2/NDF: 12161820.0/87

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.104+/-0.058 χ^2/NDF: 19.2/21

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

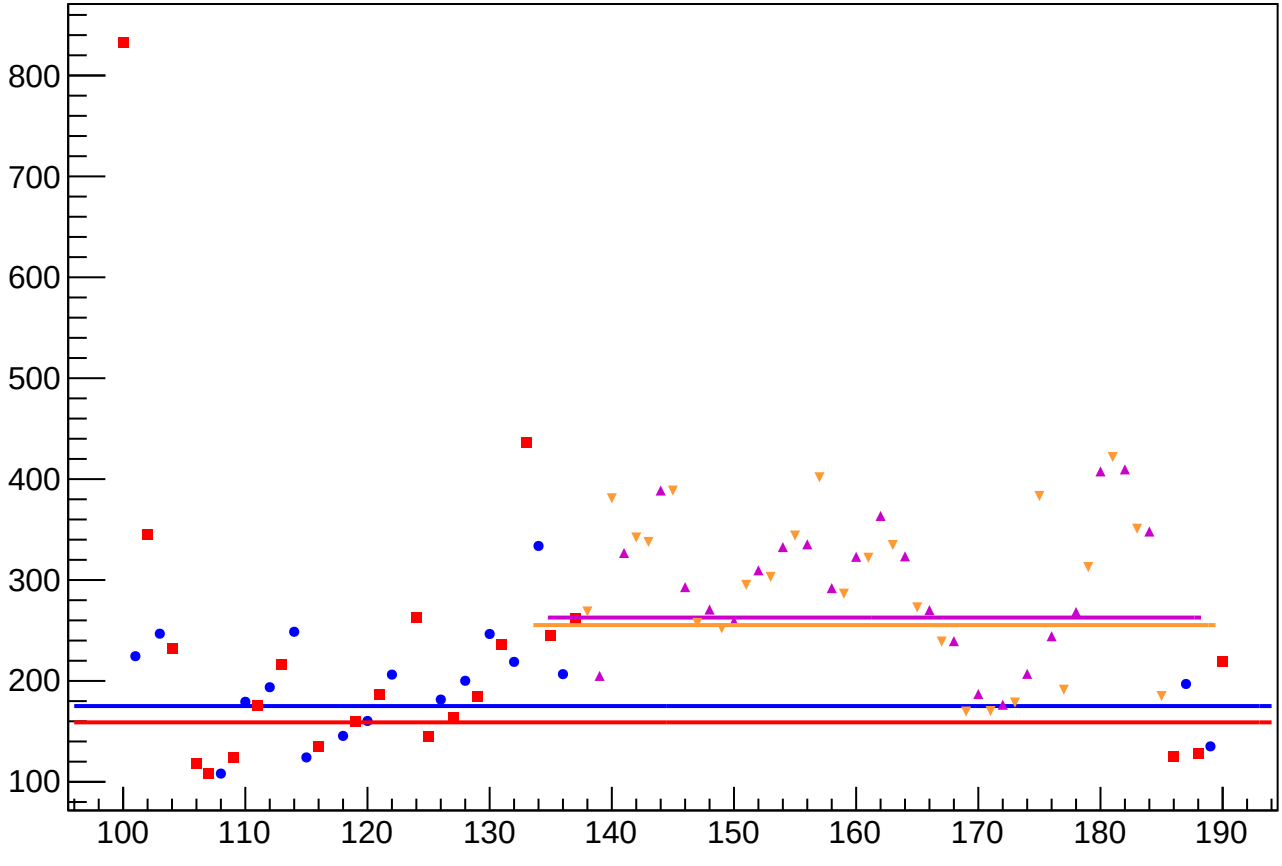
Right: -0.024+/-0.043 χ^2/NDF: 37.8/39

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.074+/-0.042 χ^2/NDF:44.2/46

All: -0.004+/-0.031 χ^2/NDF: 95.4/87

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.093+/-0.046 χ^2/NDF: 1015719.6/17

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 158.950+/-0.041 χ^2/NDF: 1650349.3/21

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

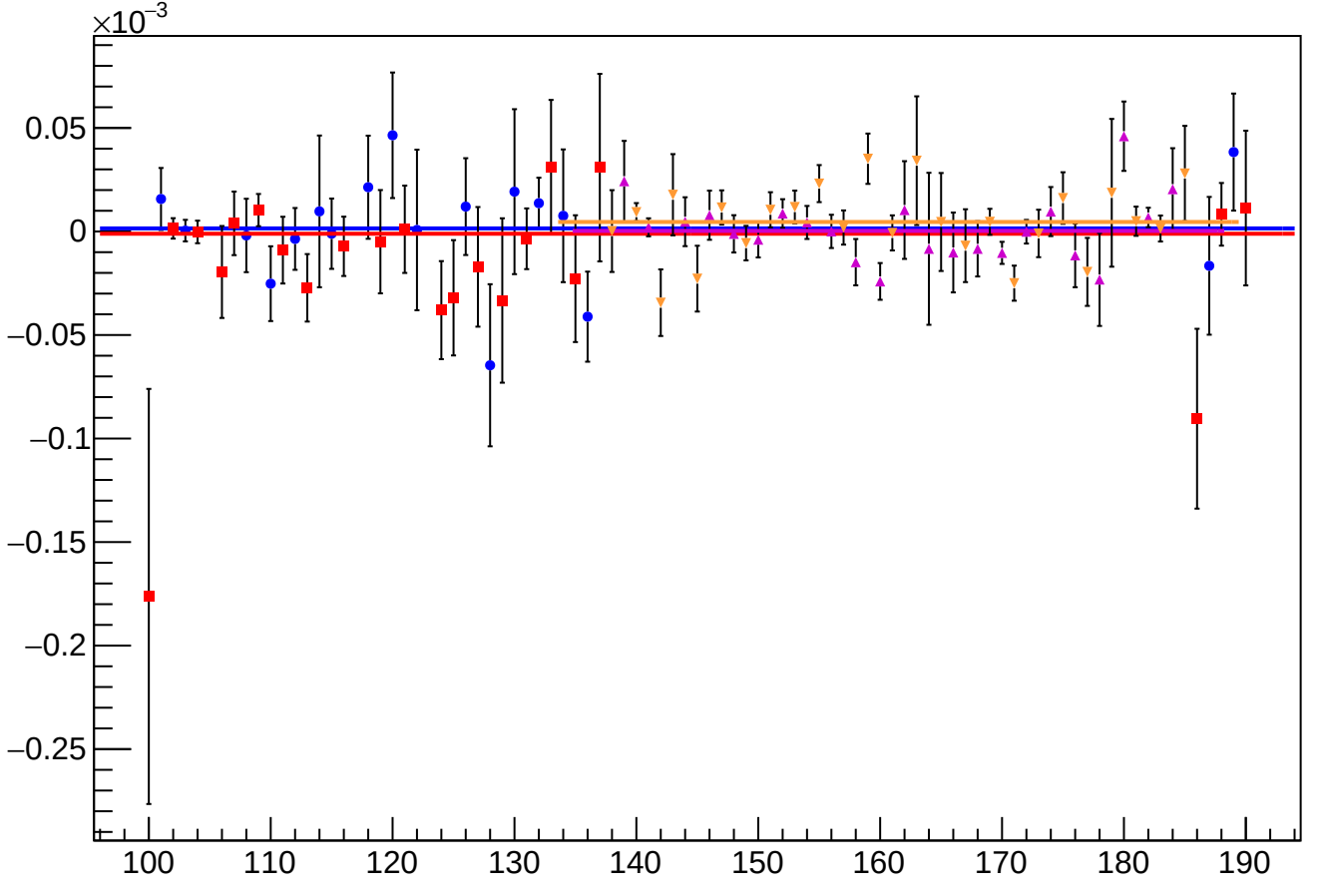
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 165.957+/-0.031 χ^2/NDF: 2734426.4/39

In: 219.480+/-0.033 χ^2/NDF:4845238.0/40

Out: 203.610+/-0.030 χ^2/NDF:7187656.8/46

All: 210.825+/-0.022 χ^2/NDF: 12161820.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

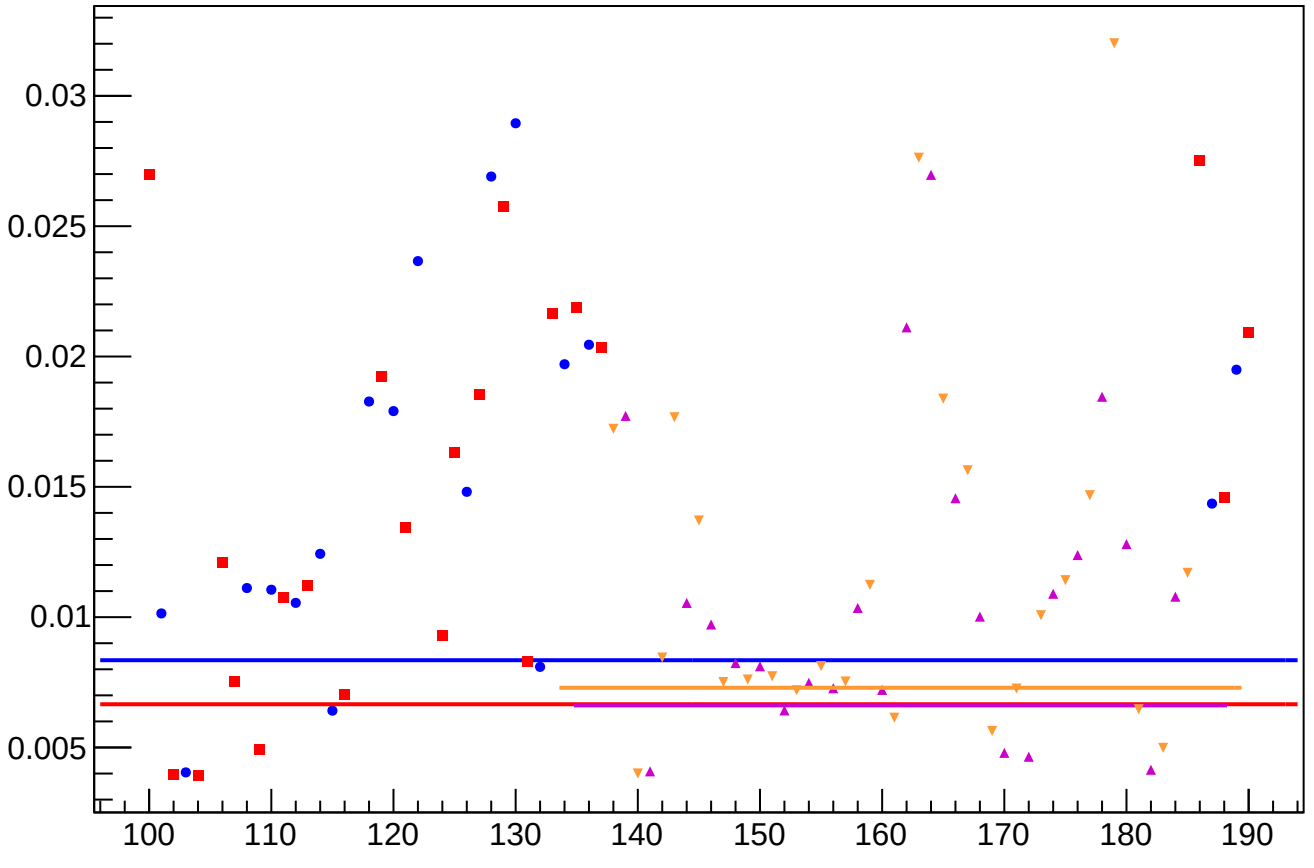
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 37.3/39

In: 0.000+/-0.000 χ^2/NDF:47.6/40

Out: 0.000+/-0.000 χ^2/NDF:67.0/46

All: 0.000+/-0.000 χ^2/NDF: 115.6/87



Right In: 0.008+/-0.000 χ^2/NDF: 4800188.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5914243.1/21

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

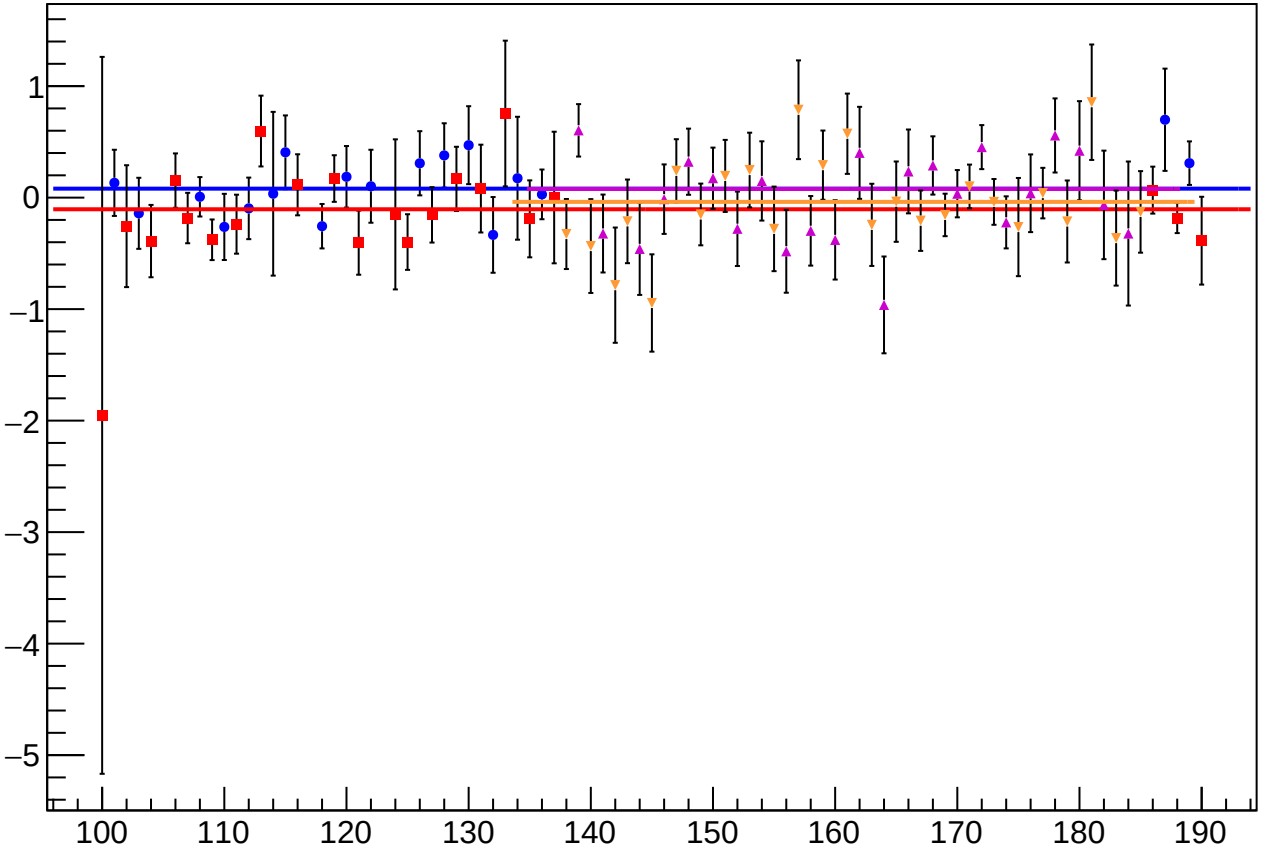
Right: 0.007+/-0.000 χ^2/NDF: 10986454.5/39

In: 0.007+/-0.000 χ^2/NDF:11571940.6/40

Out: 0.007+/-0.000 χ^2/NDF:12758256.6/46

All: 0.007+/-0.000 χ^2/NDF: 24337955.5/87

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.104+/-0.058 χ^2/NDF: 19.2/21

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

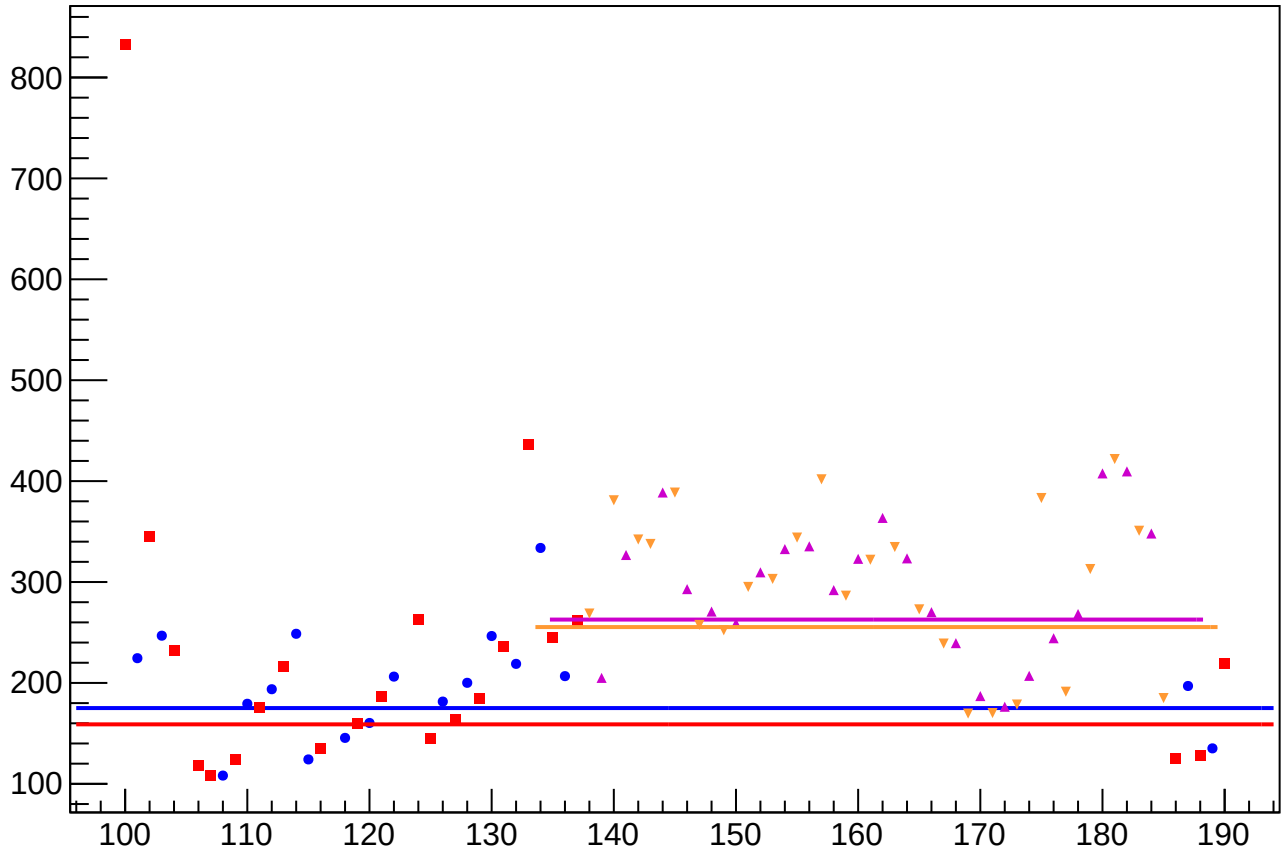
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.024+/-0.043 χ^2/NDF: 37.8/39

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.074+/-0.042 χ^2/NDF:44.2/46

All: -0.004+/-0.031 χ^2/NDF: 95.4/87



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 158.951+/-0.041 χ^2/NDF: 1650283.0/21

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

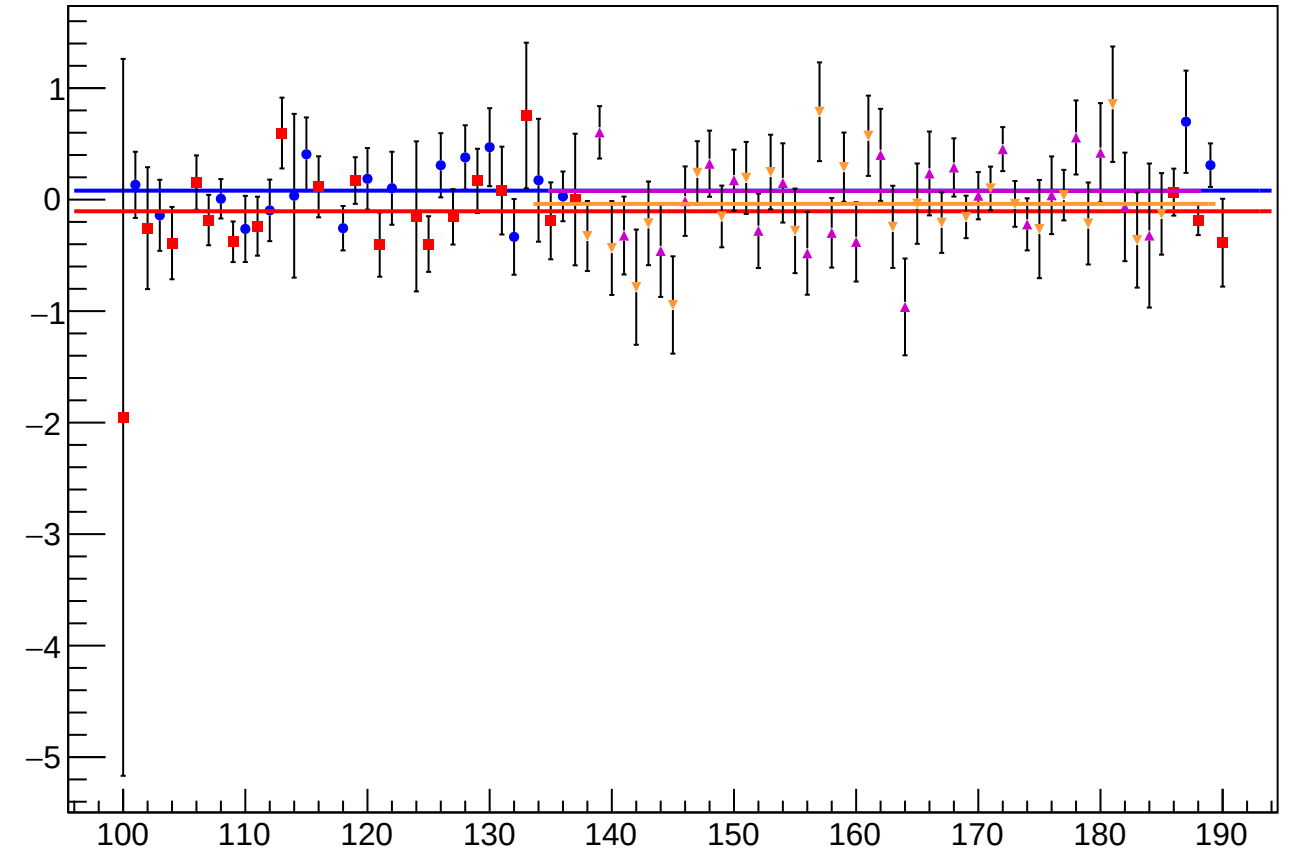
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 165.957+/-0.031 χ^2/NDF: 2734326.2/39

In: 219.481+/-0.033 χ^2/NDF:4845361.3/40

Out: 203.611+/-0.030 χ^2/NDF:7187691.4/46

All: 210.826+/-0.022 χ^2/NDF: 12161960.8/87



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.104+/-0.058 χ^2/NDF: 19.2/21

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

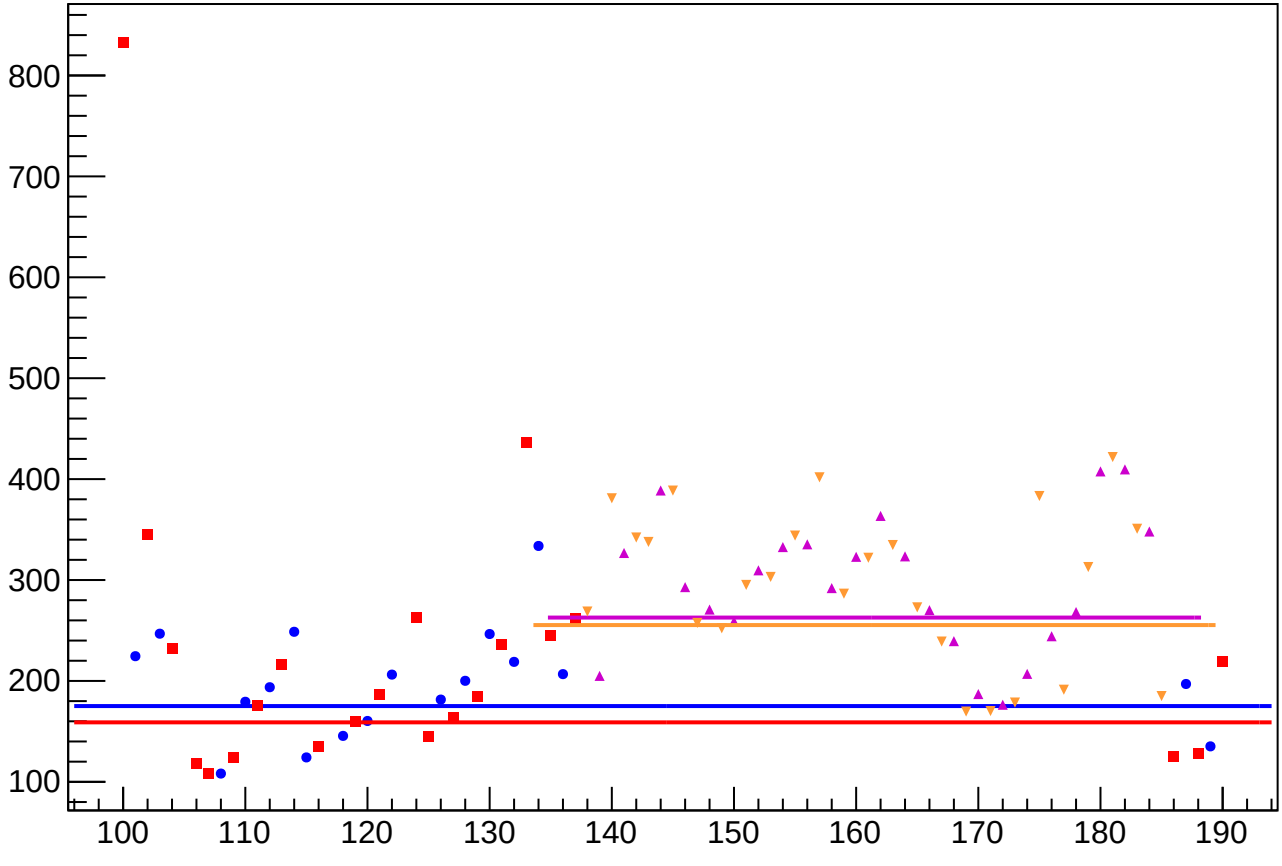
Right: -0.024+/-0.043 χ^2/NDF: 37.8/39

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.074+/-0.042 χ^2/NDF:44.2/46

All: -0.004+/-0.031 χ^2/NDF: 95.4/87

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 158.951+/-0.041 χ^2/NDF: 1650283.0/21

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

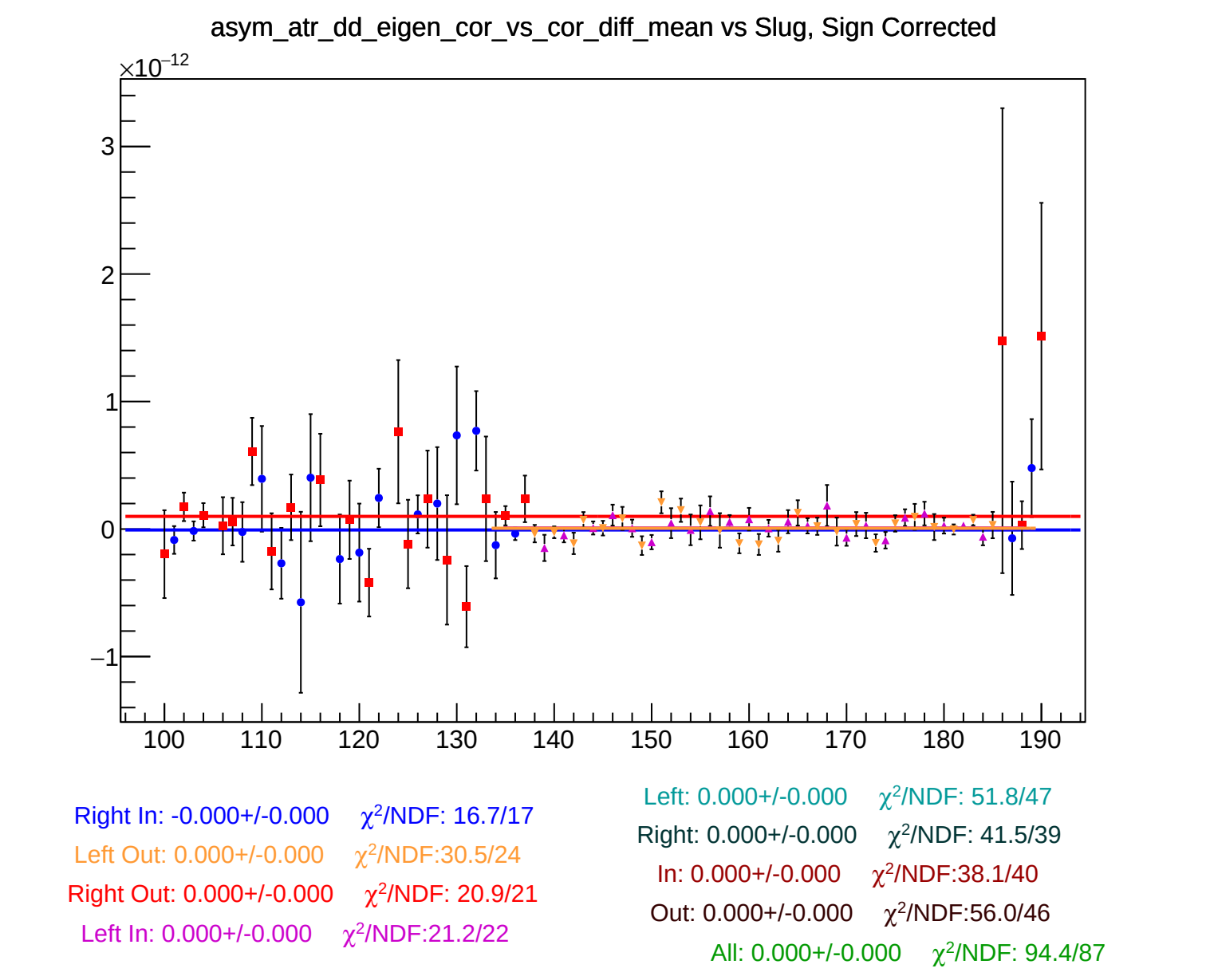
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

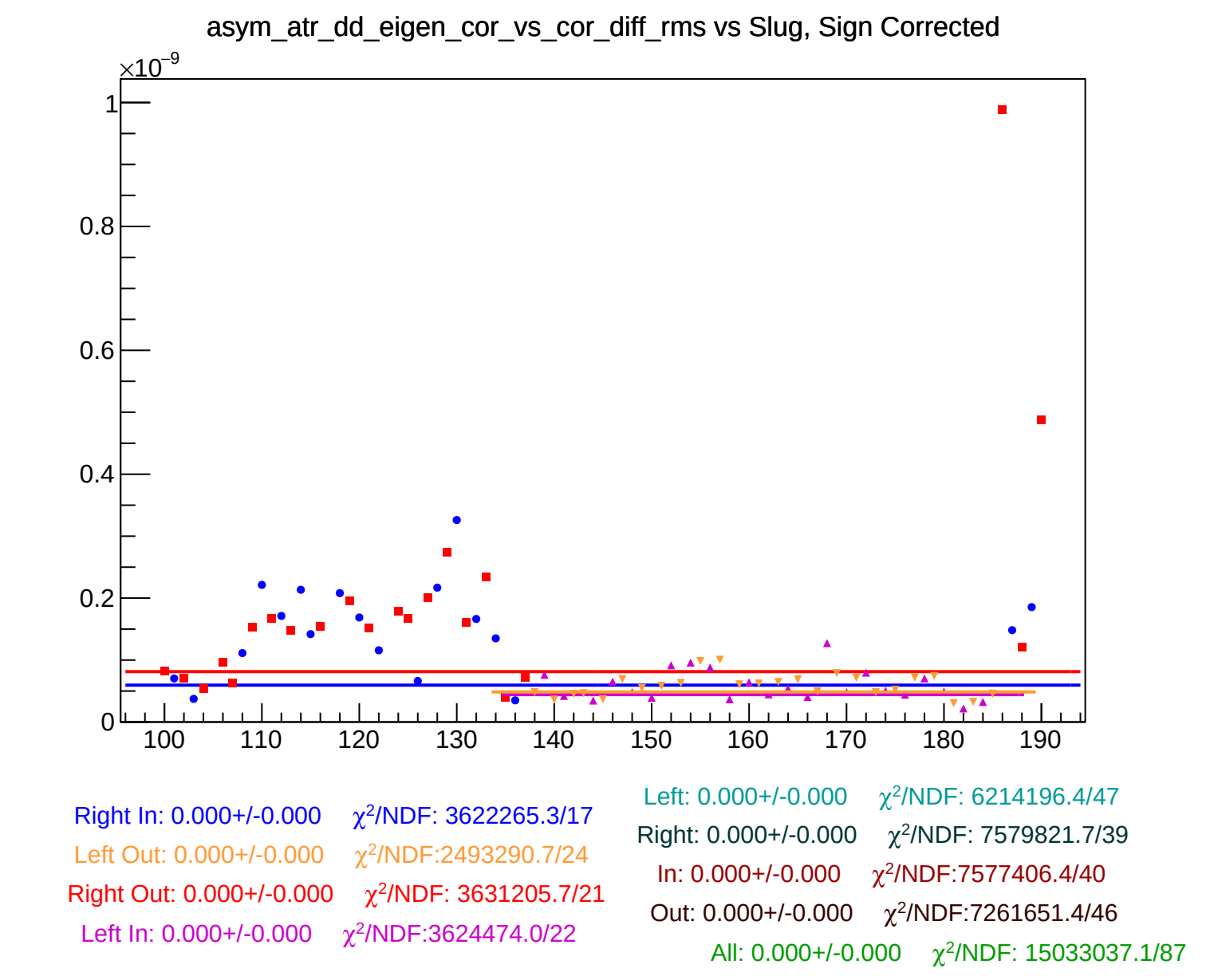
Right: 165.957+/-0.031 χ^2/NDF: 2734326.2/39

In: 219.481+/-0.033 χ^2/NDF:4845361.3/40

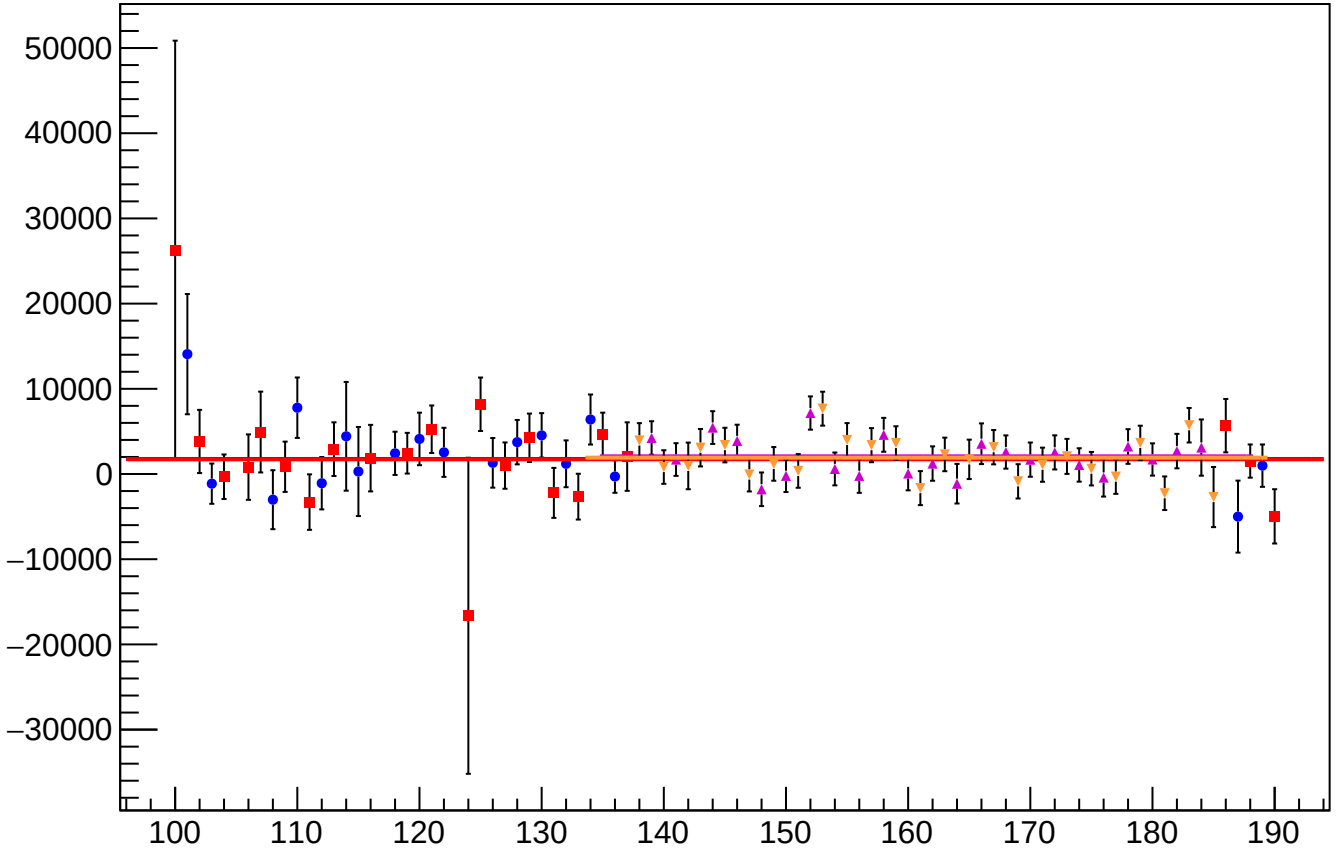
Out: 203.611+/-0.030 χ^2/NDF:7187691.4/46

All: 210.826+/-0.022 χ^2/NDF: 12161960.8/87


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.7/17
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/21
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: 41.5/39
In: 0.000+/-0.000 χ²/NDF:38.1/40
Out: 0.000+/-0.000 χ²/NDF:56.0/46
All: 0.000+/-0.000 χ²/NDF: 94.4/87


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3622265.3/17
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3631205.7/21
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 7579821.7/39
In: 0.000+/-0.000 χ²/NDF:7577406.4/40
Out: 0.000+/-0.000 χ²/NDF:7261651.4/46
All: 0.000+/-0.000 χ²/NDF: 15033037.1/87

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1764.911+/-696.254 χ^2/NDF: 19.3/17

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 1725.937+/-658.549 χ^2/NDF: 24.6/21

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

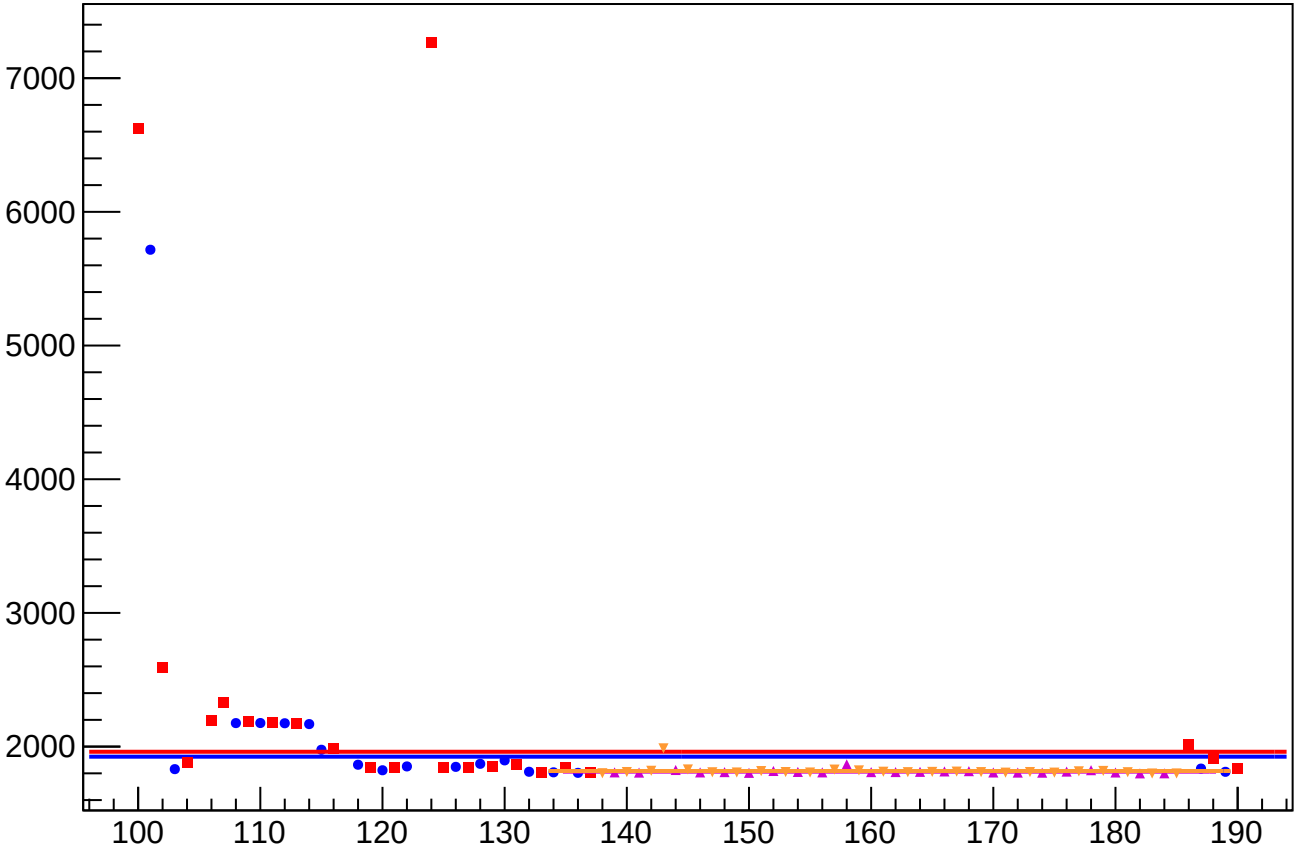
Right: 1744.340+/-478.439 χ^2/NDF: 43.8/39

In: 1990.763+/-361.638 χ^2/NDF:45.9/40

Out: 1865.683+/-349.835 χ^2/NDF:57.2/46

All: 1926.149+/-251.440 χ^2/NDF: 103.2/87

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.7/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1961.468+/-0.466 χ^2/NDF: 383286.2/21

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

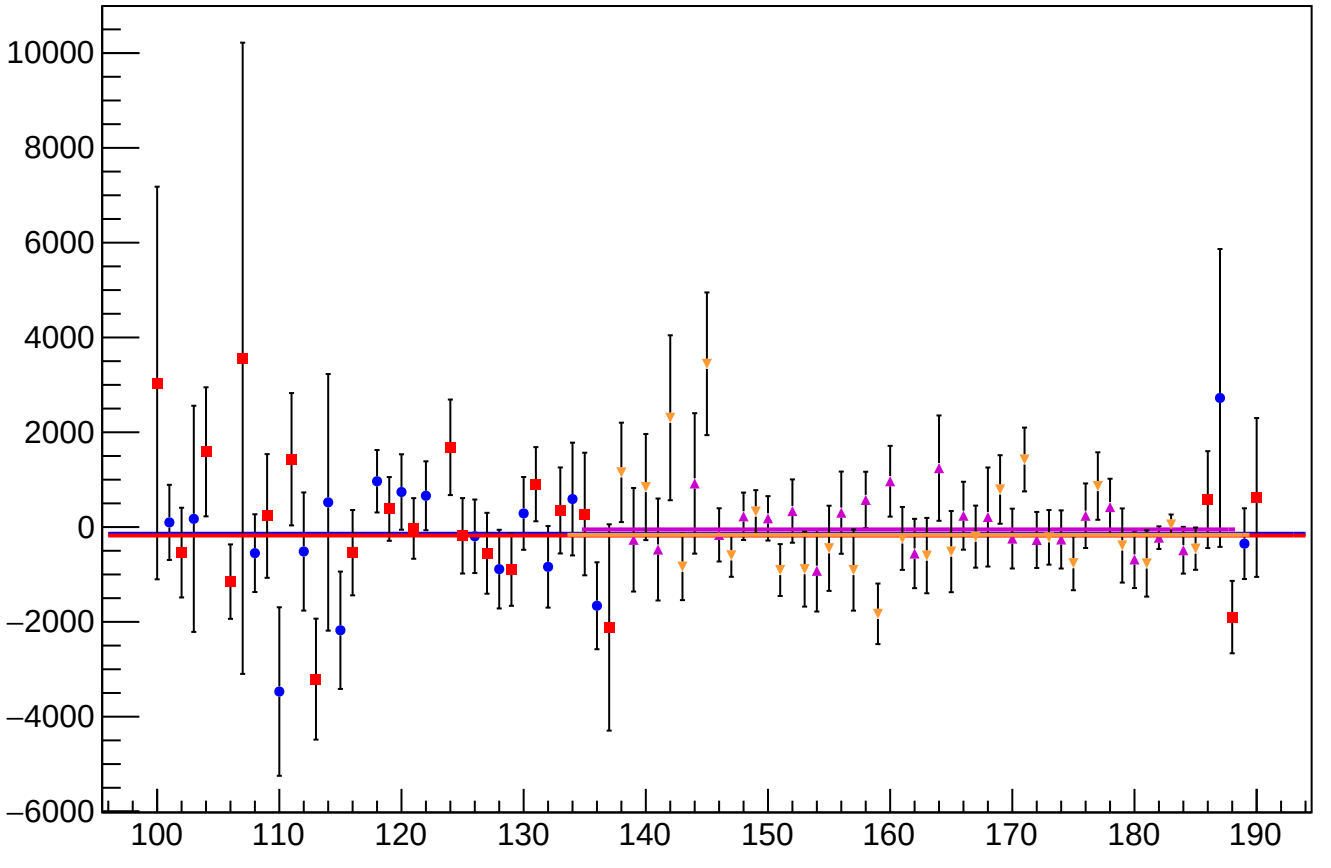
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1944.064+/-0.338 χ^2/NDF: 1029969.2/39

In: 1842.778+/-0.256 χ^2/NDF:683572.2/40

Out: 1858.145+/-0.247 χ^2/NDF:464829.1/46

All: 1850.716+/-0.178 χ^2/NDF: 1150266.7/87



Right In: -141.131+/-219.639 χ^2/NDF: 17.8/17

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -177.902+/-207.102 χ^2/NDF: 25.8/21

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

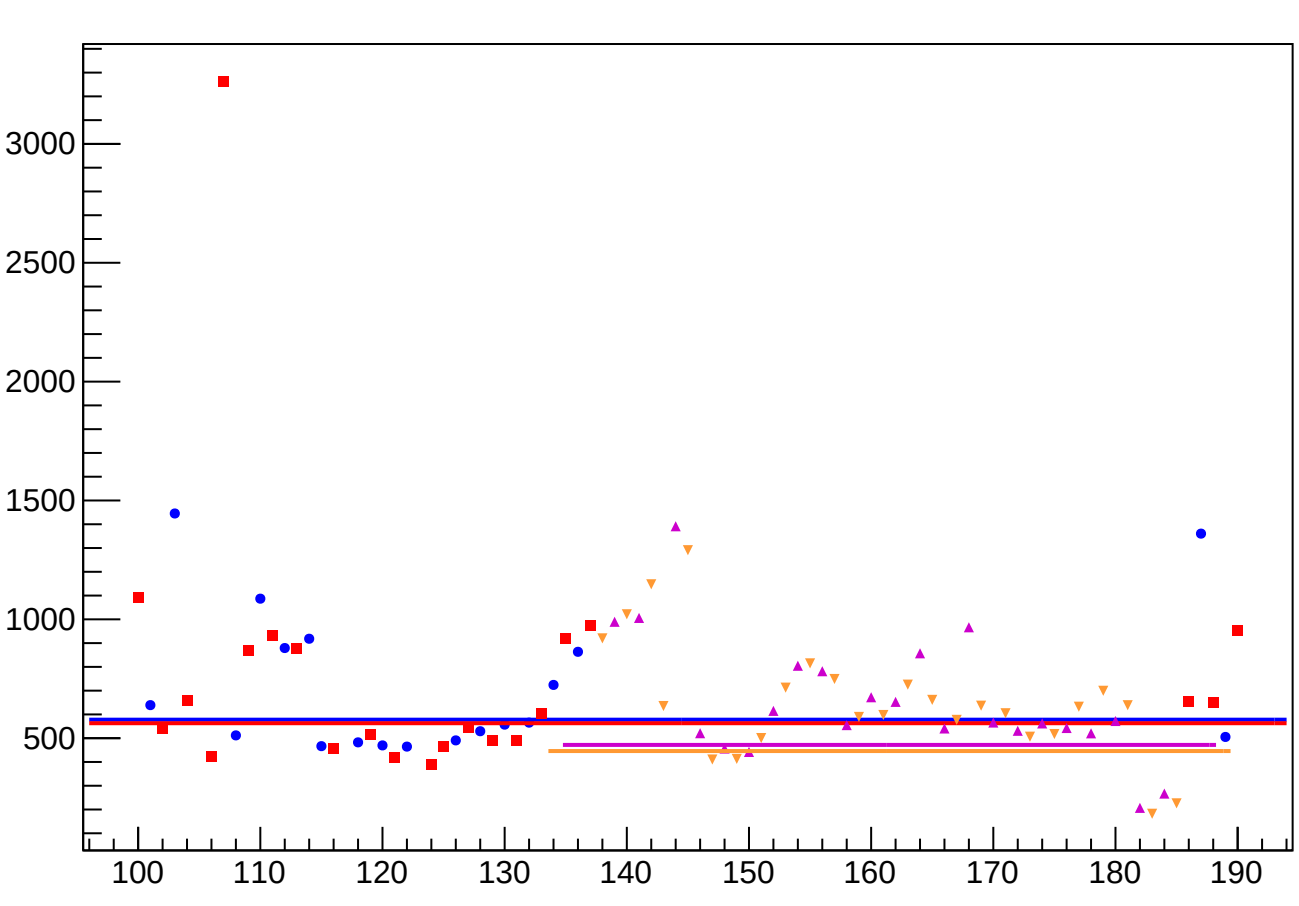
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -160.596+/-150.681 χ^2/NDF: 43.6/39

In: -71.132+/-107.113 χ^2/NDF:29.3/40

Out: -166.523+/-100.737 χ^2/NDF:62.6/46

All: -121.751+/-73.382 χ^2/NDF: 92.3/87



Right In: 577.900+/-0.155 χ^2/NDF: 1146711.0/17

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 562.994+/-0.146 χ^2/NDF: 1451992.5/21

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

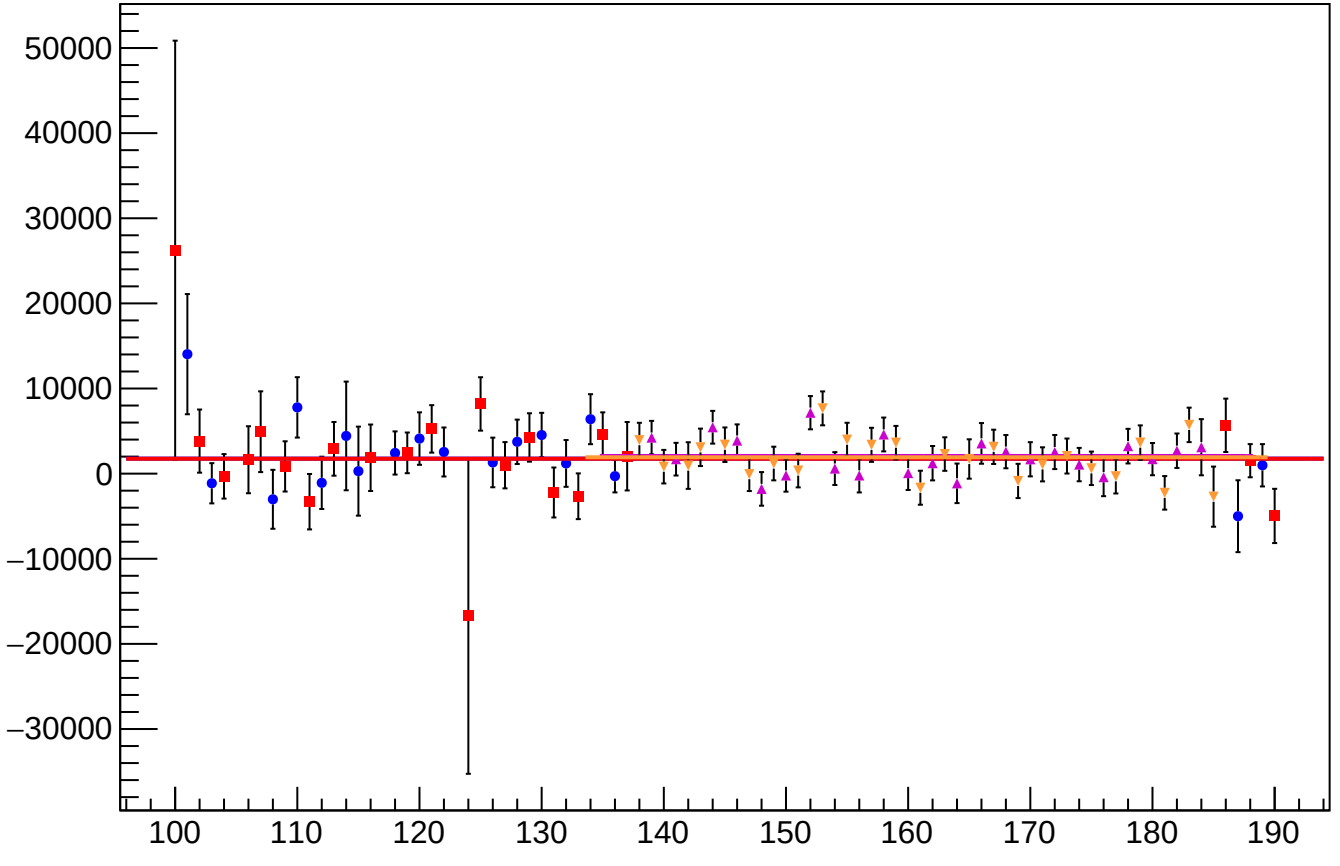
Right: 570.009+/-0.107 χ^2/NDF: 2603579.9/39

In: 496.992+/-0.076 χ^2/NDF:7916689.5/40

Out: 473.599+/-0.071 χ^2/NDF:9922574.7/46

All: 484.578+/-0.052 χ^2/NDF: 17889886.7/87

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1764.600+/-696.254 χ^2/NDF: 19.2/17

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1750.446+/-659.012 χ^2/NDF: 24.5/21

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

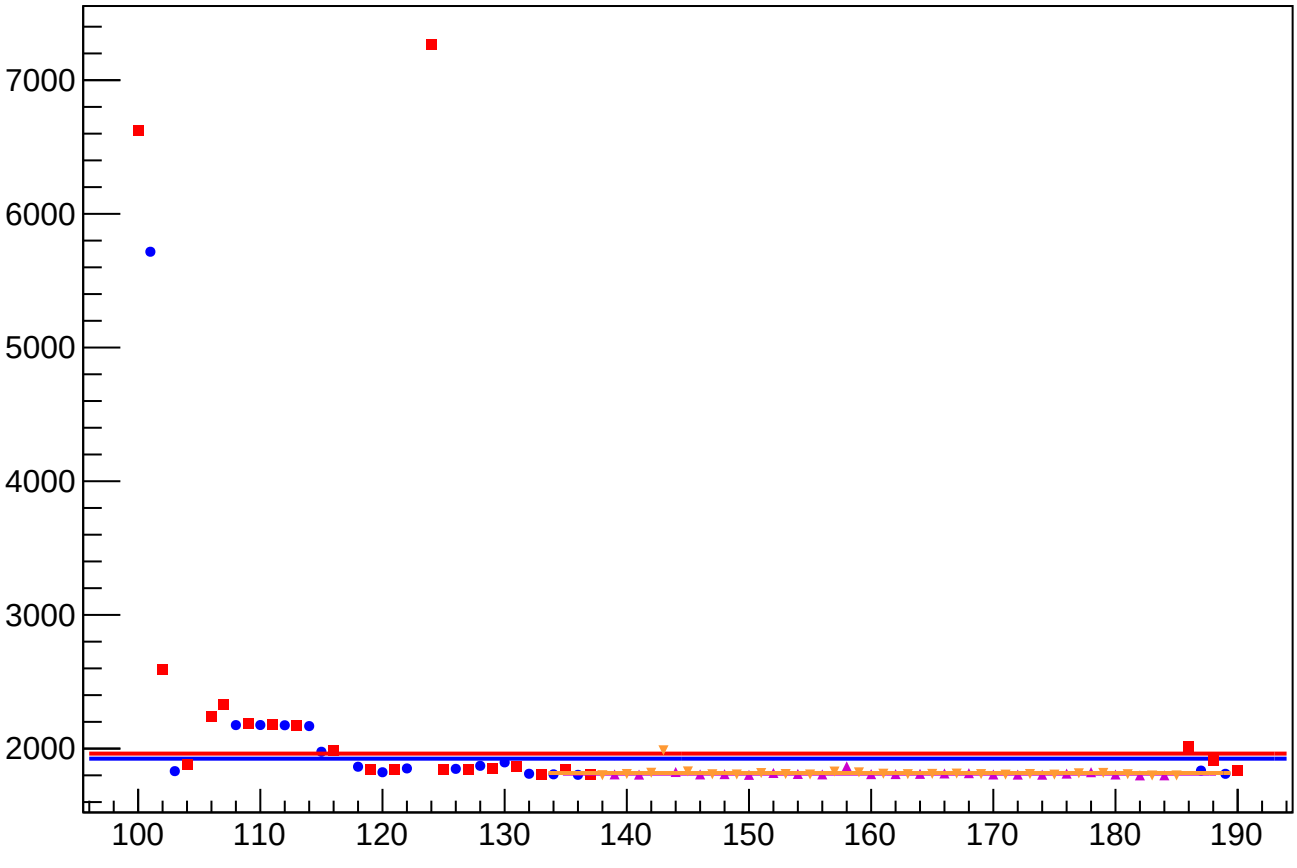
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1757.134+/-478.617 χ^2/NDF: 43.8/39

In: 1990.753+/-361.638 χ^2/NDF:45.9/40

Out: 1872.623+/-349.904 χ^2/NDF:57.1/46

All: 1929.740+/-251.466 χ^2/NDF: 103.1/87



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1962.566+/-0.466 χ^2/NDF: 386296.4/21

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

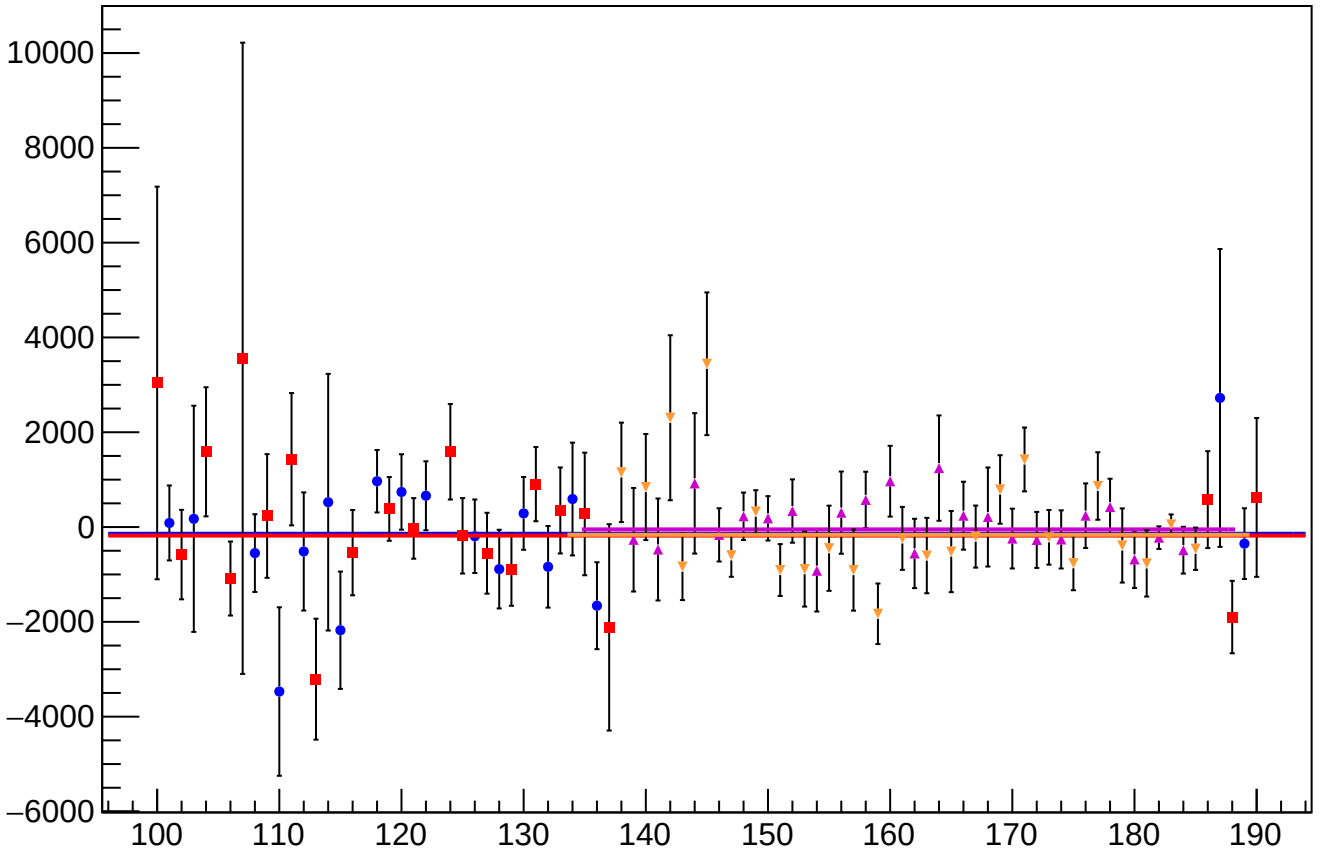
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1944.630+/-0.338 χ^2/NDF: 1033156.2/39

In: 1842.778+/-0.256 χ^2/NDF:683572.1/40

Out: 1858.413+/-0.247 χ^2/NDF:468819.3/46

All: 1850.853+/-0.178 χ^2/NDF: 1154322.3/87



Right In: -141.891+/-219.597 χ^2/NDF: 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -180.118+/-206.990 χ^2/NDF: 25.3/21

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

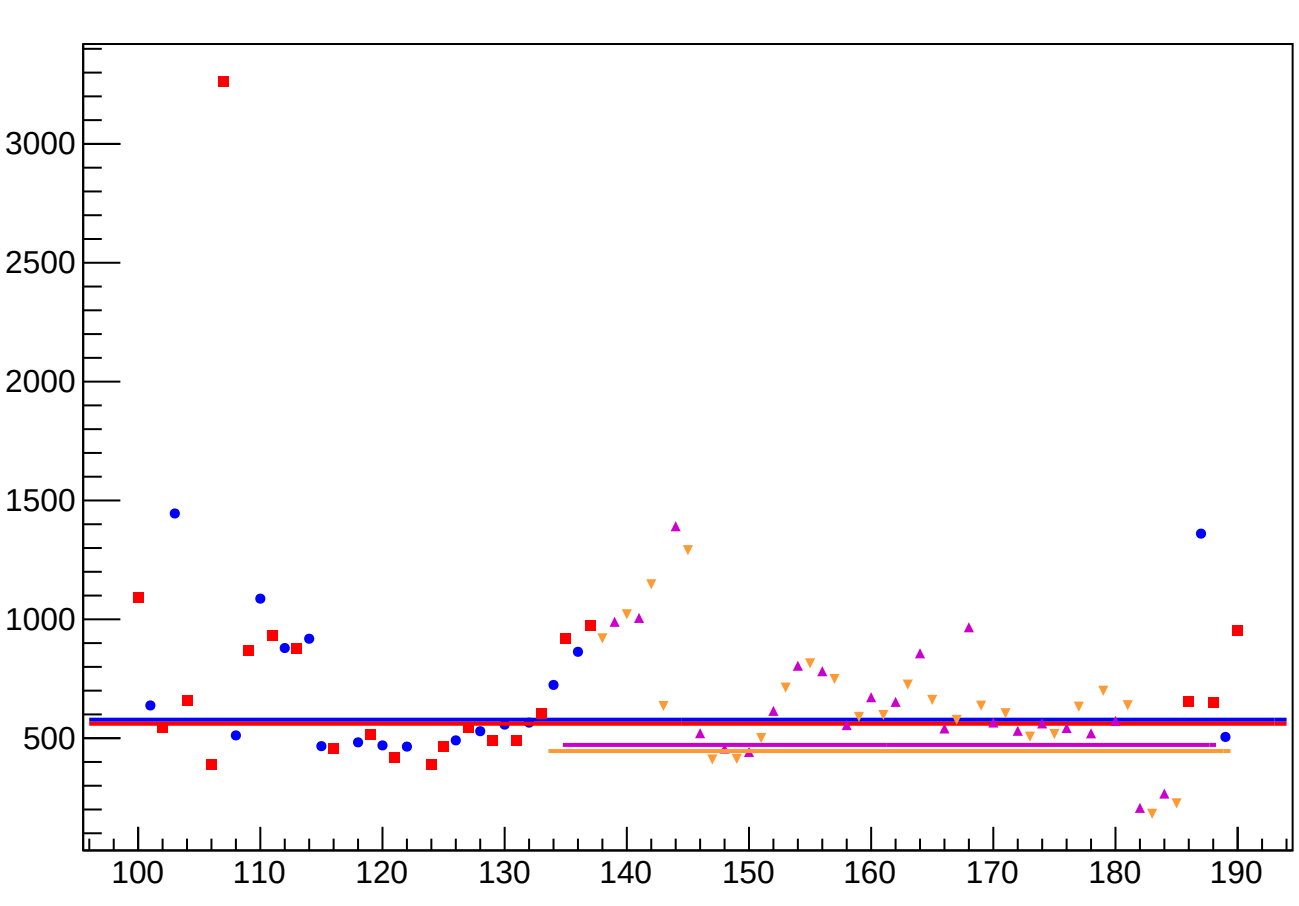
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -162.133+/-150.624 χ^2/NDF: 43.1/39

In: -71.335+/-107.109 χ^2/NDF:29.3/40

Out: -166.986+/-100.721 χ^2/NDF:62.2/46

All: -122.097+/-73.375 χ^2/NDF: 91.9/87



Right In: 577.817+/-0.155 χ^2/NDF: 1146187.7/17

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 560.717+/-0.146 χ^2/NDF: 1487119.2/21

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

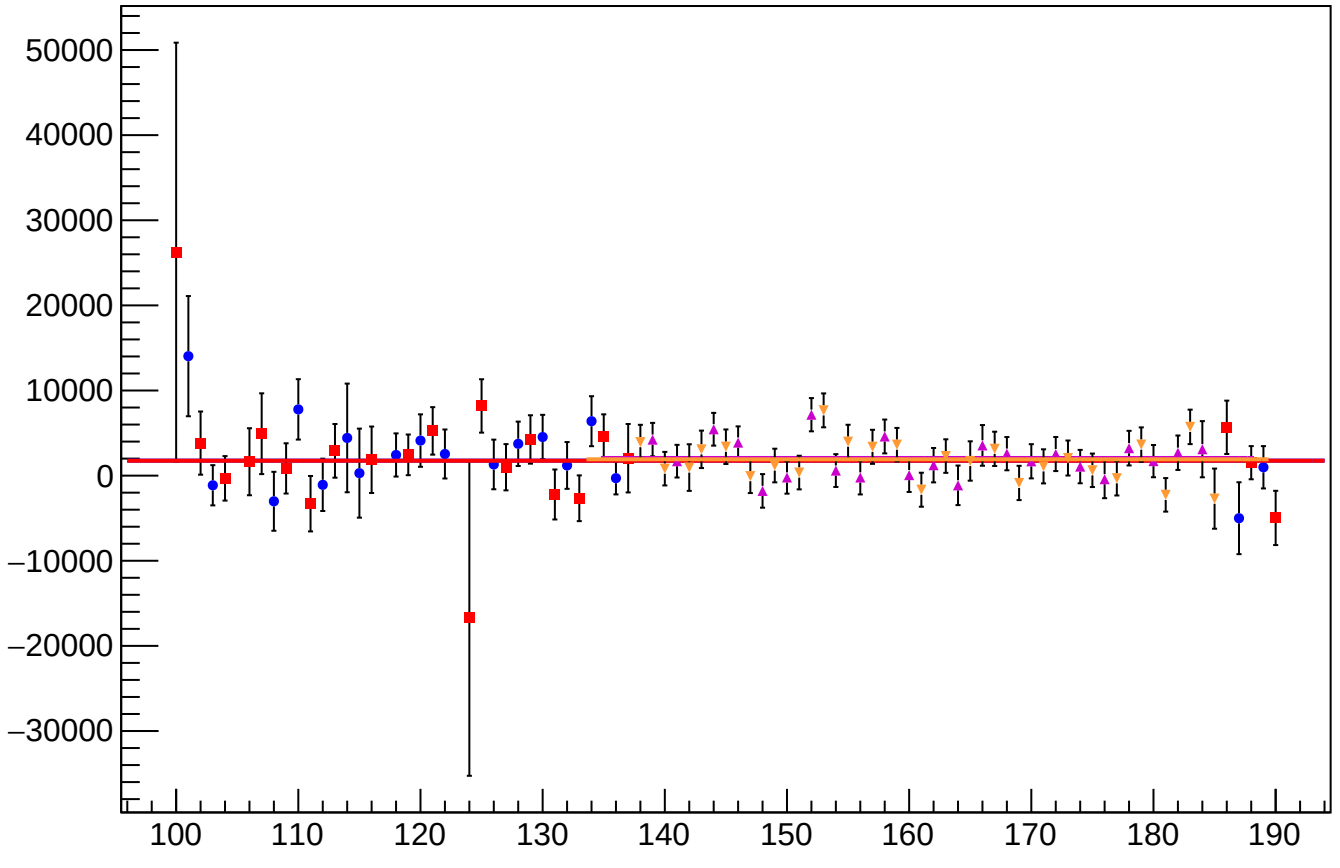
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 568.762+/-0.107 χ^2/NDF: 2639728.1/39

In: 496.989+/-0.076 χ^2/NDF:7915410.5/40

Out: 473.061+/-0.071 χ^2/NDF:9940932.3/46

All: 484.290+/-0.052 χ^2/NDF: 17909314.1/87



Right In: 1764.600+/-696.254 χ^2/NDF: 19.2/17

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1750.446+/-659.012 χ^2/NDF: 24.5/21

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

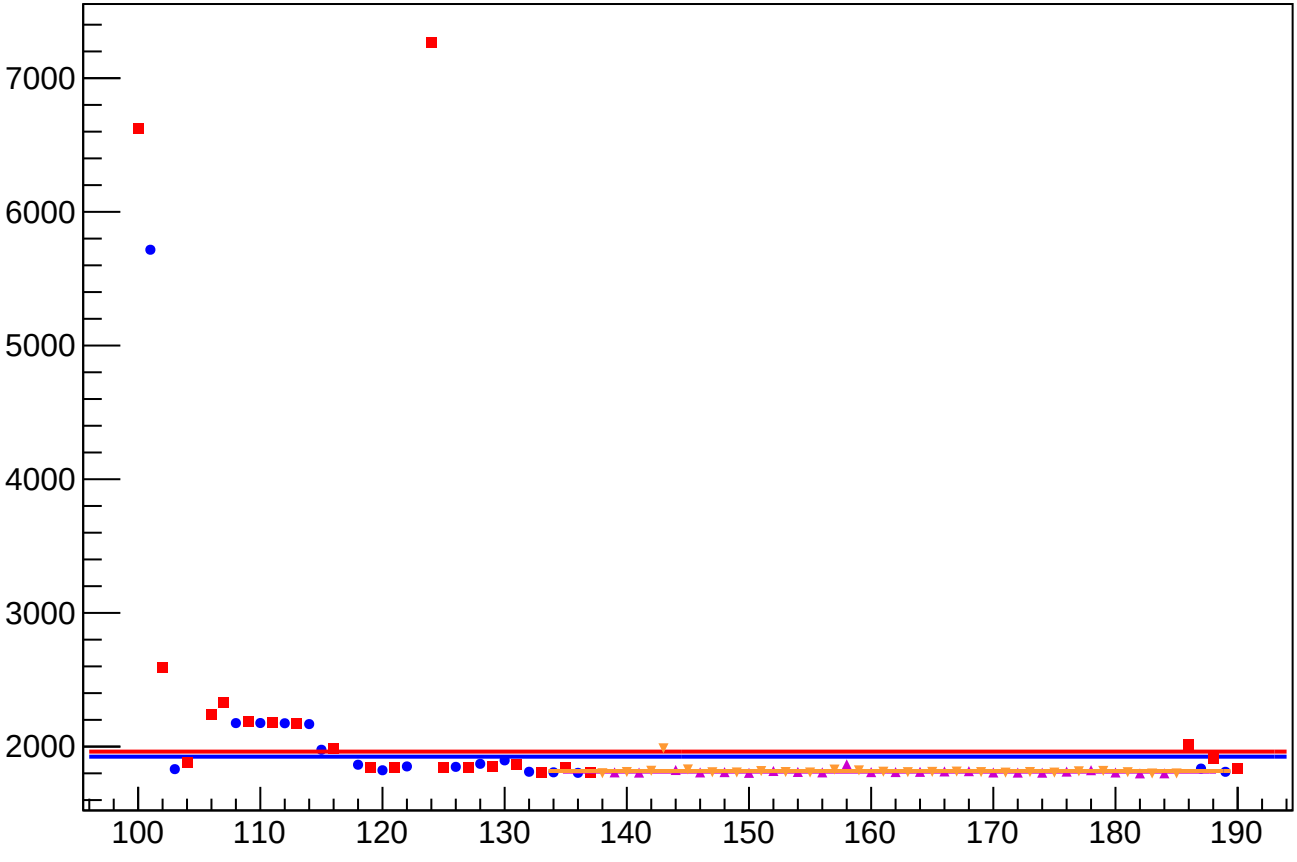
Right: 1757.134+/-478.617 χ^2/NDF: 43.8/39

In: 1990.753+/-361.638 χ^2/NDF:45.9/40

Out: 1872.623+/-349.904 χ^2/NDF:57.1/46

All: 1929.740+/-251.466 χ^2/NDF: 103.1/87

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1962.566+/-0.466 χ^2/NDF: 386296.4/21

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

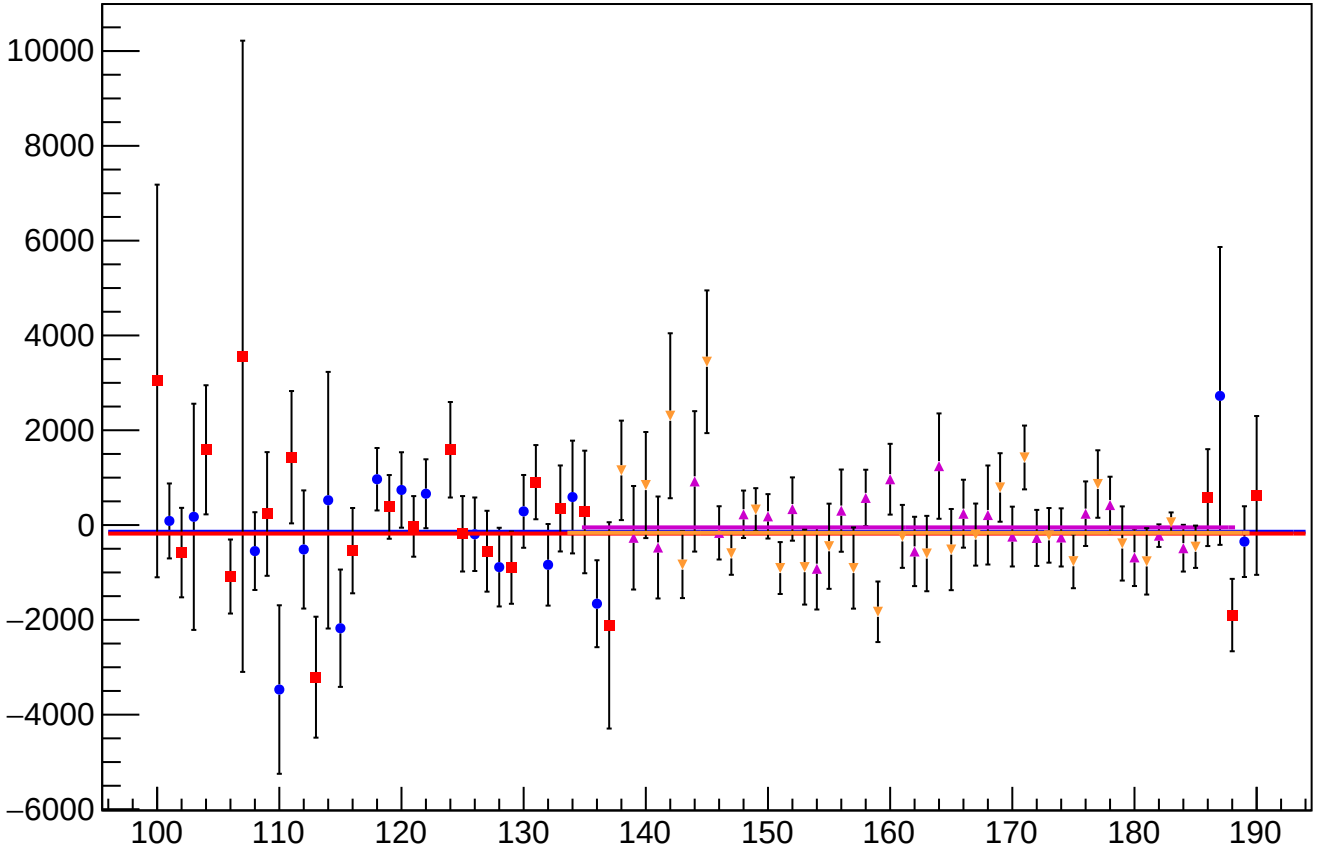
Right: 1944.630+/-0.338 χ^2/NDF: 1033156.2/39

In: 1842.778+/-0.256 χ^2/NDF:683572.1/40

Out: 1858.413+/-0.247 χ^2/NDF:468819.3/46

All: 1850.853+/-0.178 χ^2/NDF: 1154322.3/87

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -141.891+/-219.597 χ^2/NDF: 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -180.118+/-206.990 χ^2/NDF: 25.3/21

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

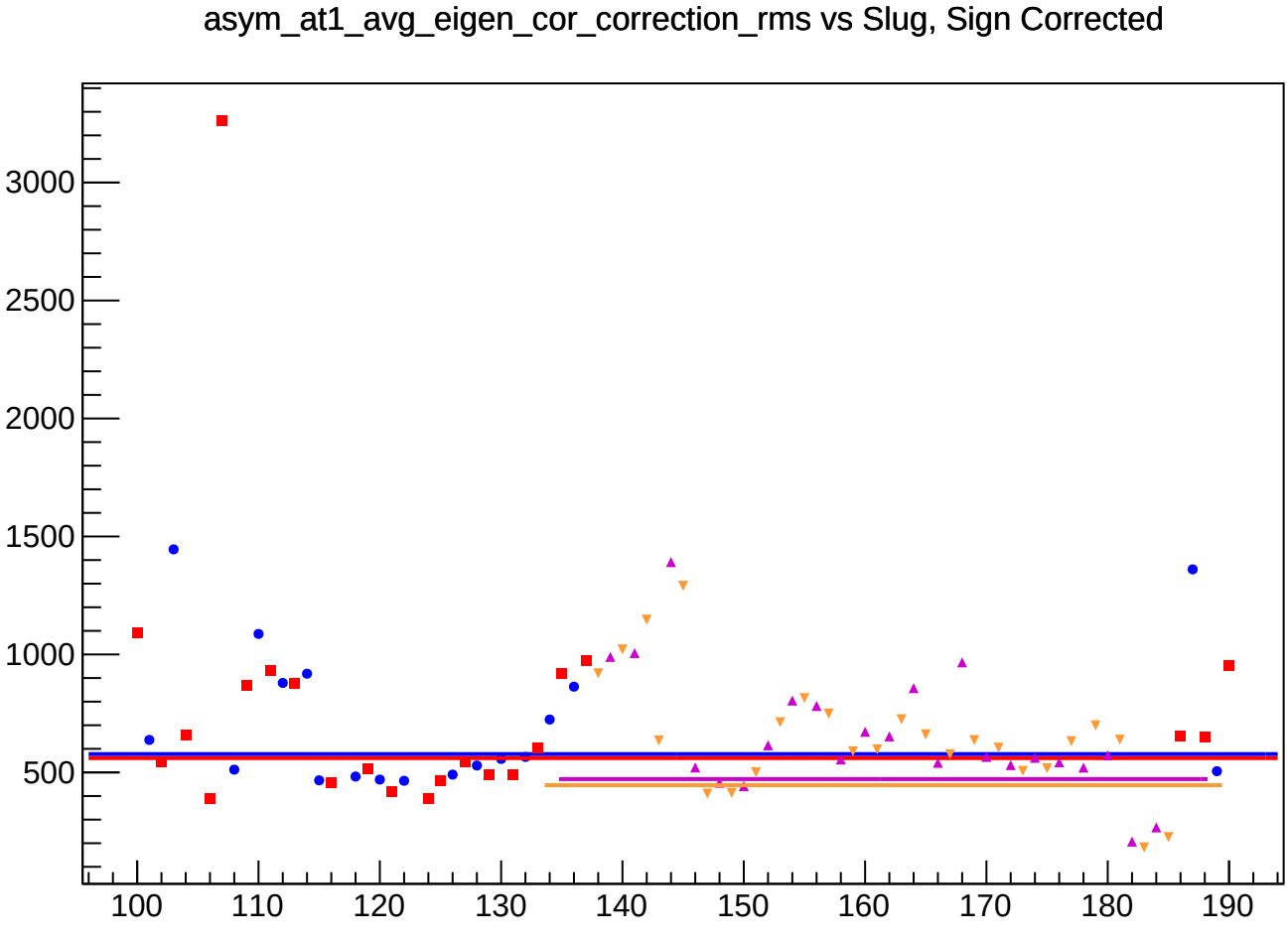
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -162.133+/-150.624 χ^2/NDF: 43.1/39

In: -71.335+/-107.109 χ^2/NDF:29.3/40

Out: -166.986+/-100.721 χ^2/NDF:62.2/46

All: -122.097+/-73.375 χ^2/NDF: 91.9/87



Right In: 577.817+/-0.155 χ^2/NDF: 1146187.7/17

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 560.717+/-0.146 χ^2/NDF: 1487119.2/21

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

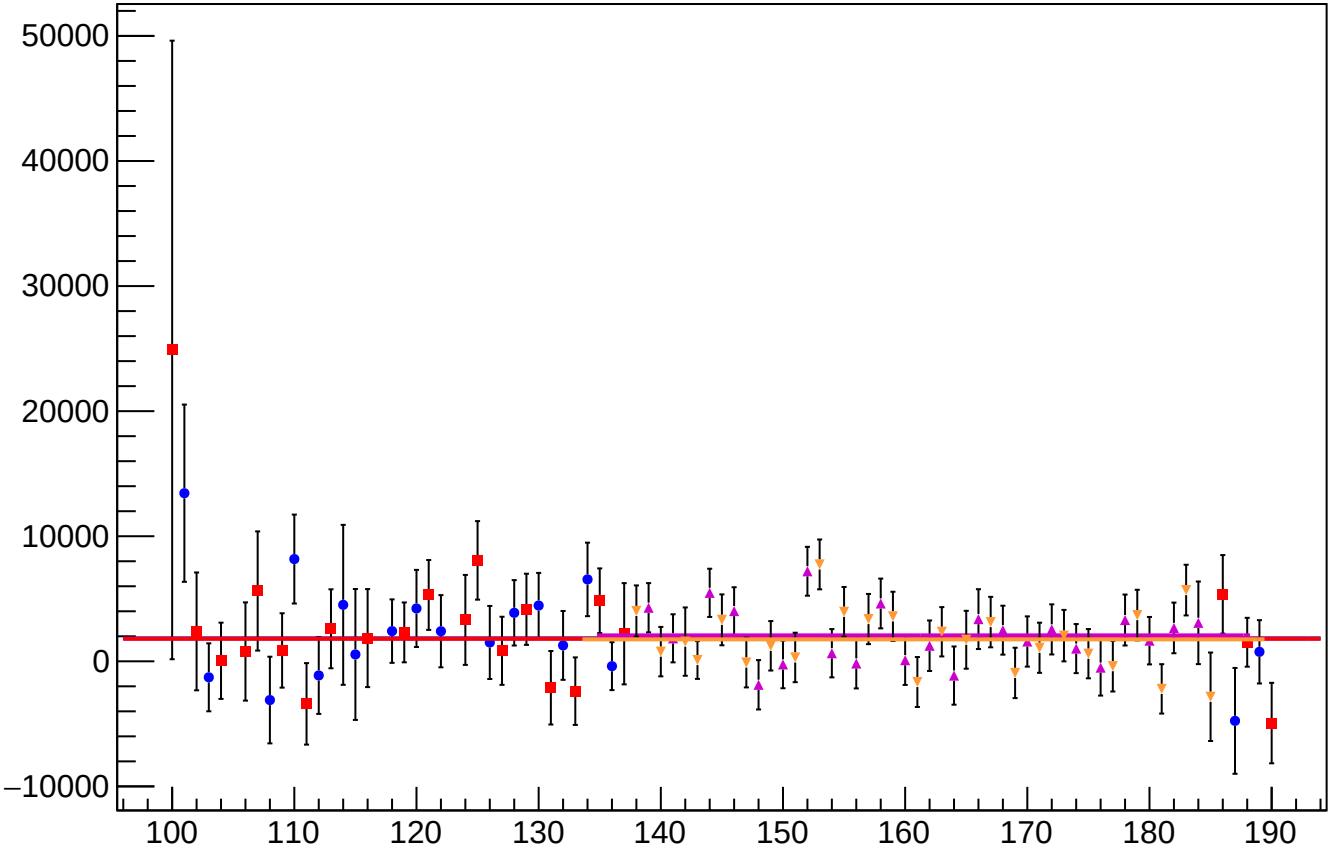
Right: 568.762+/-0.107 χ^2/NDF: 2639728.1/39

In: 496.989+/-0.076 χ^2/NDF:7915410.5/40

Out: 473.061+/-0.071 χ^2/NDF:9940932.3/46

All: 484.290+/-0.052 χ^2/NDF: 17909314.1/87

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1830.575+/-705.748 χ^2/NDF: 19.3/17

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1803.715+/-659.342 χ^2/NDF: 22.5/21

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

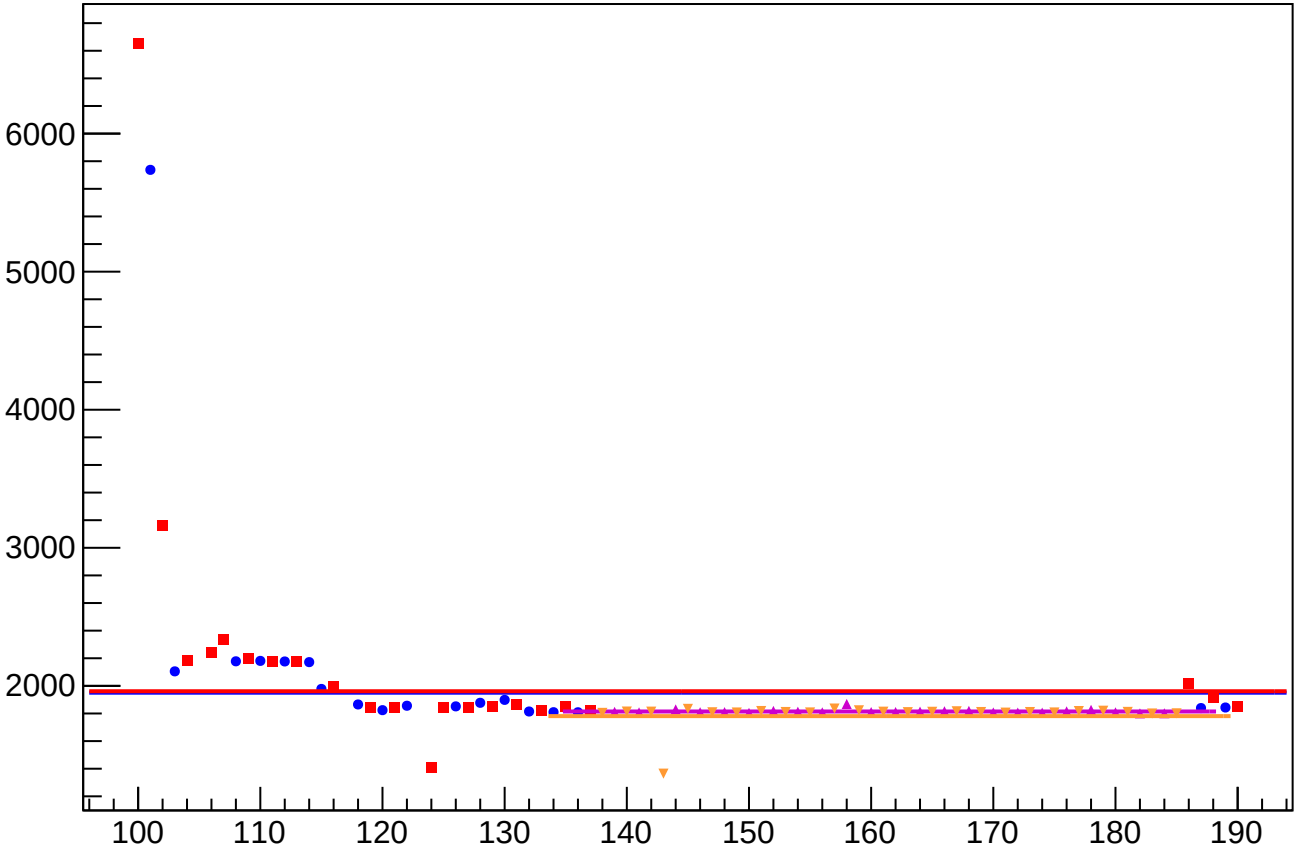
Right: 1816.233+/-481.796 χ^2/NDF: 41.8/39

In: 2009.108+/-363.230 χ^2/NDF:46.3/40

Out: 1768.722+/-345.345 χ^2/NDF:56.3/46

All: 1882.851+/-250.280 χ^2/NDF: 102.9/87

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1950.624+/-0.499 χ^2/NDF: 645820.8/17

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1961.106+/-0.466 χ^2/NDF: 349710.6/21

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

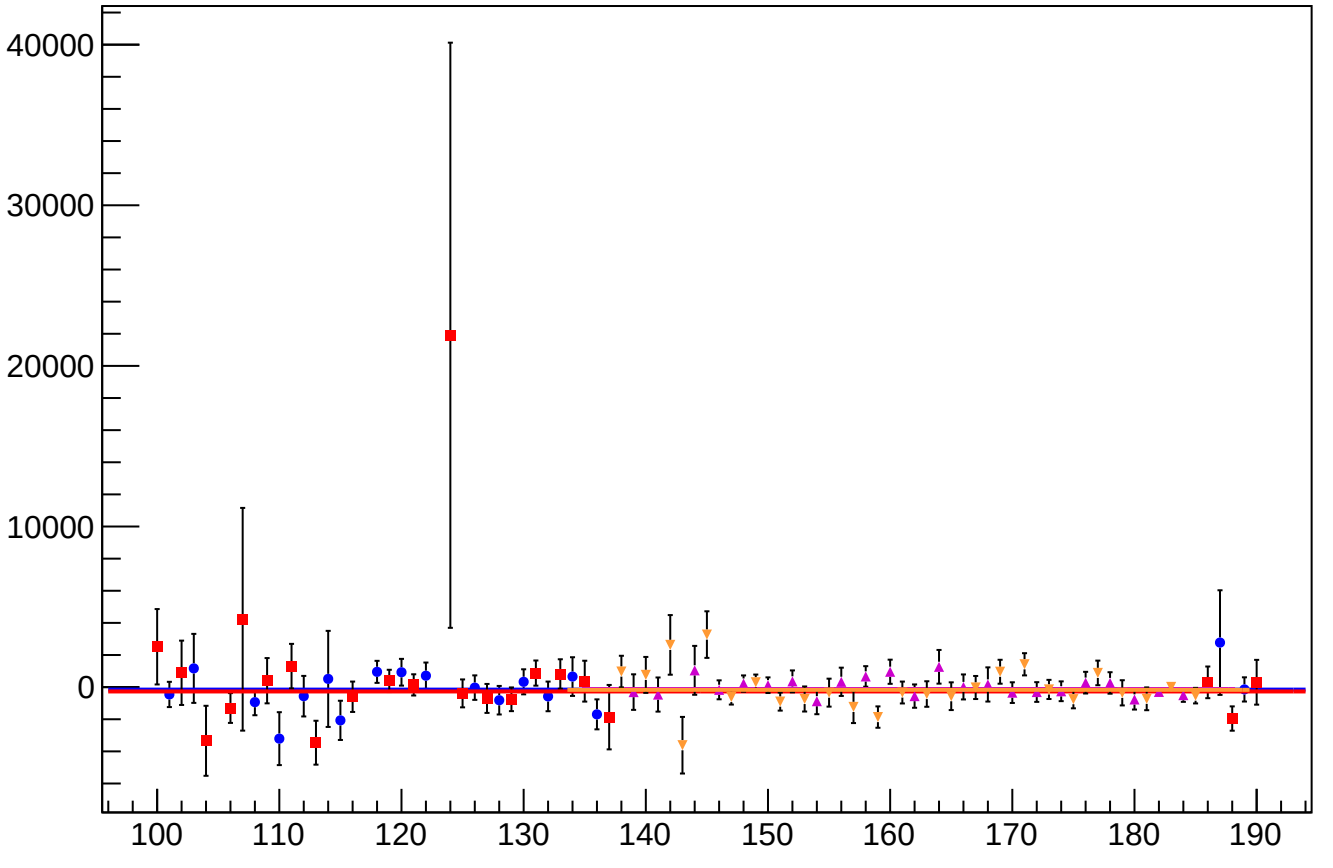
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1956.221+/-0.341 χ^2/NDF: 995767.0/39

In: 1850.509+/-0.257 χ^2/NDF:702663.8/40

Out: 1830.347+/-0.244 χ^2/NDF:623045.3/46

All: 1839.920+/-0.177 χ^2/NDF: 1328945.7/87



Right In: -154.139+/-225.461 χ^2/NDF: 18.0/17

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -269.093+/-222.261 χ^2/NDF: 25.8/21

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

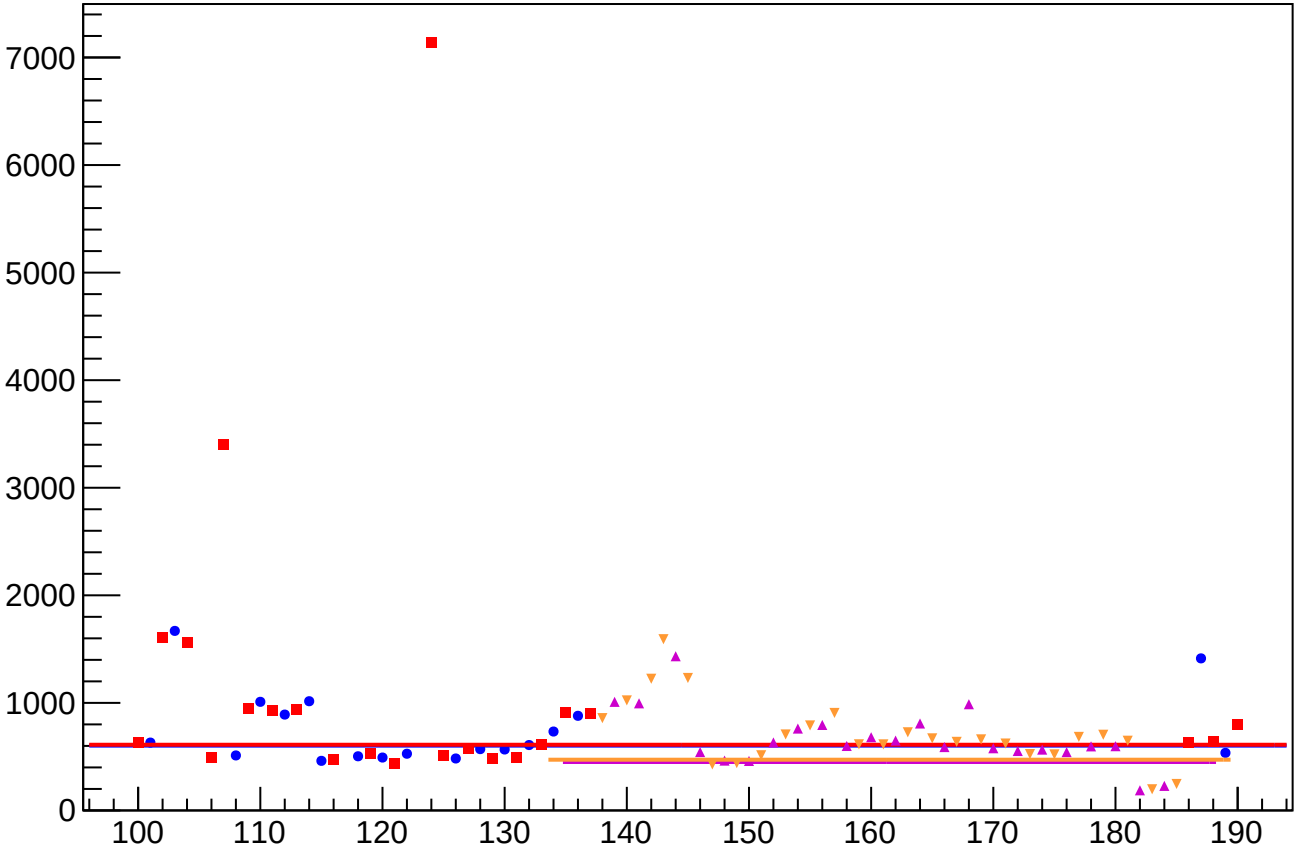
Right: -212.438+/-158.281 χ^2/NDF: 44.0/39

In: -125.338+/-105.773 χ^2/NDF:30.4/40

Out: -191.227+/-106.697 χ^2/NDF:64.3/46

All: -157.996+/-75.117 χ^2/NDF: 94.9/87

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 603.035+/-0.159 χ^2/NDF: 1302662.6/17

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 610.779+/-0.157 χ^2/NDF: 2374036.9/21

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

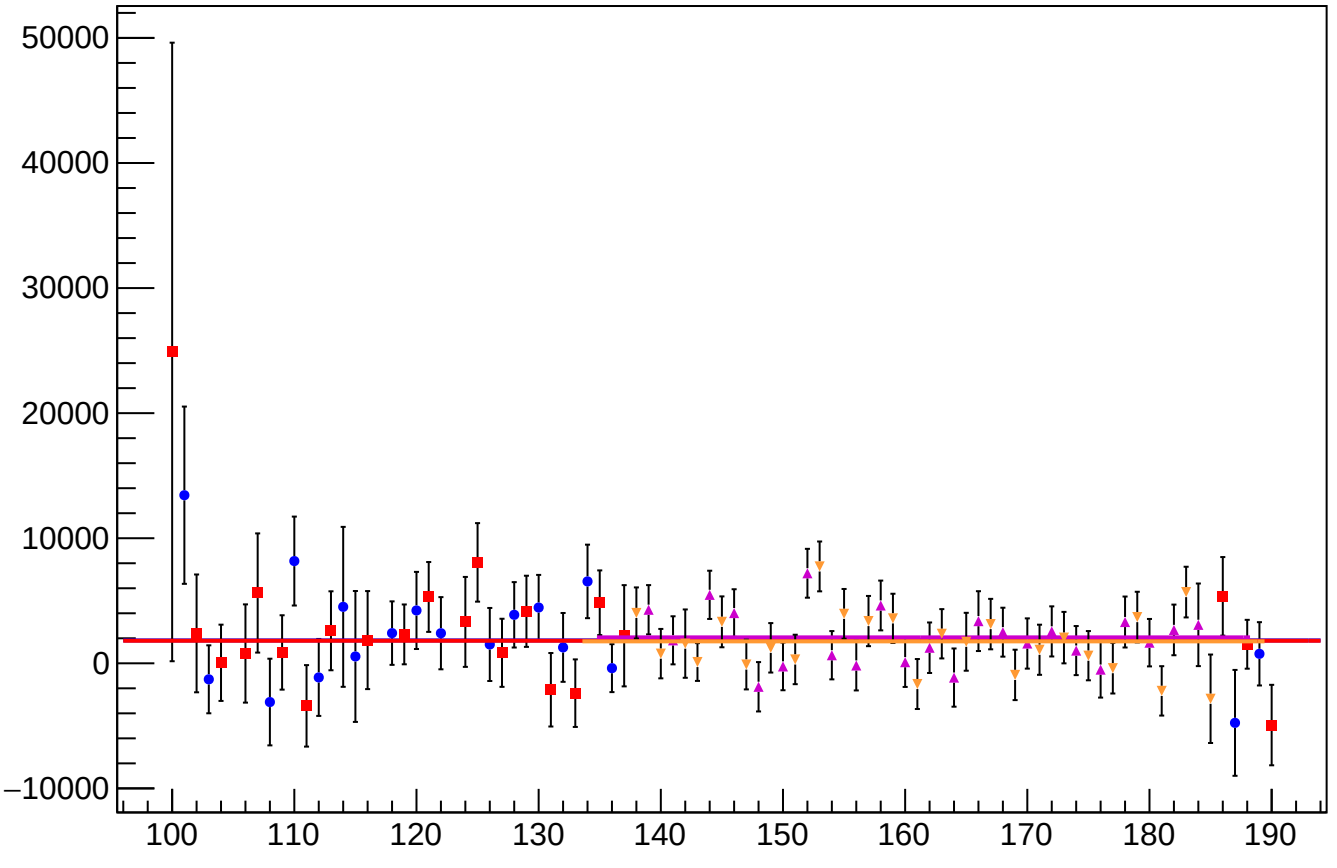
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 606.962+/-0.112 χ^2/NDF: 3677896.0/39

In: 484.190+/-0.075 χ^2/NDF:9943526.7/40

Out: 503.810+/-0.075 χ^2/NDF:11088684.6/46

All: 493.915+/-0.053 χ^2/NDF: 21066318.0/87



Right In: 1830.573+/-705.748 χ^2/NDF: 19.3/17

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1803.713+/-659.342 χ^2/NDF: 22.5/21

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

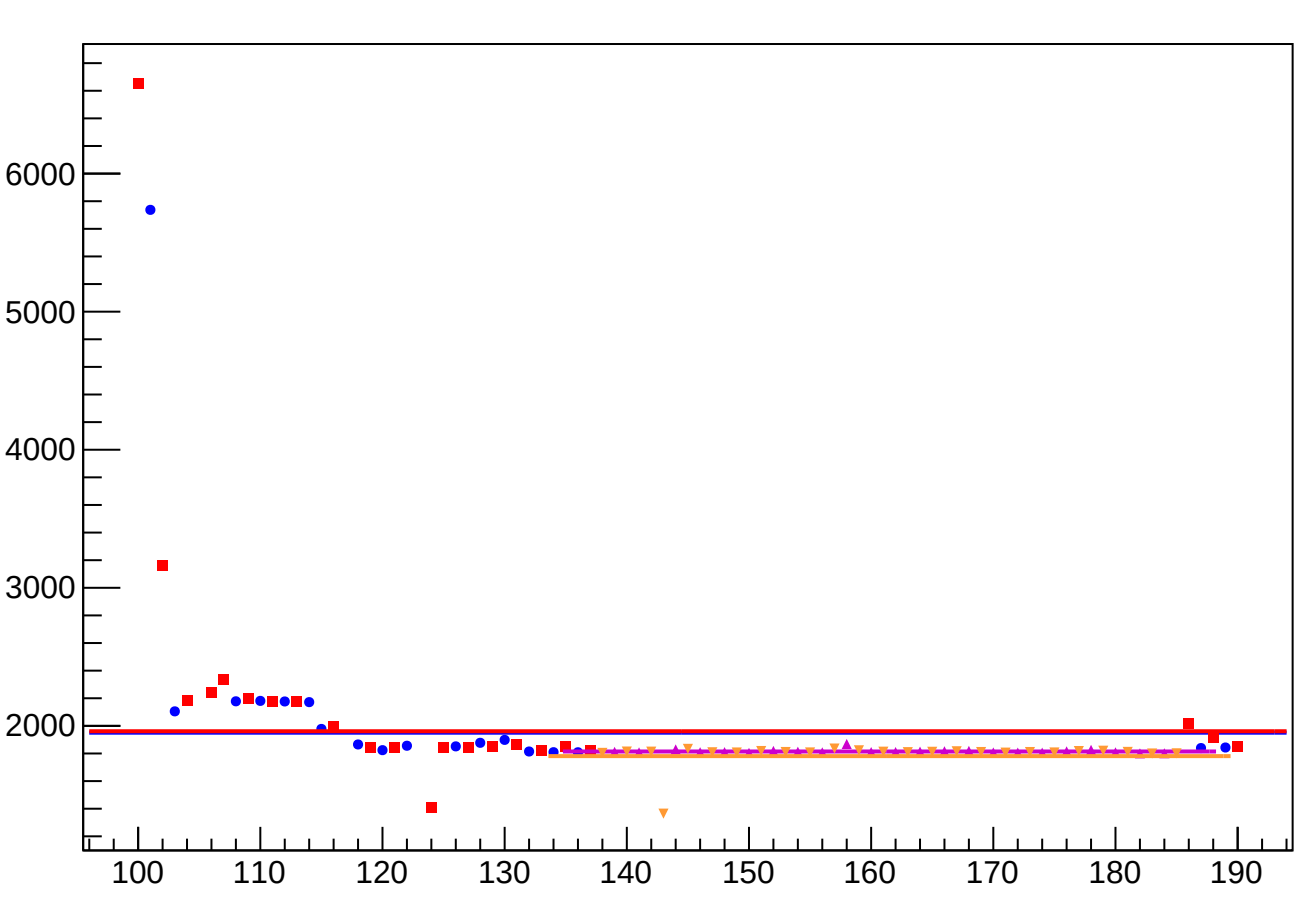
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1816.231+/-481.796 χ^2/NDF: 41.8/39

In: 2009.108+/-363.230 χ^2/NDF:46.3/40

Out: 1768.722+/-345.345 χ^2/NDF:56.3/46

All: 1882.851+/-250.280 χ^2/NDF: 102.9/87



Right In: 1950.624+/-0.499 χ^2/NDF: 645820.5/17

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1961.106+/-0.466 χ^2/NDF: 349709.3/21

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

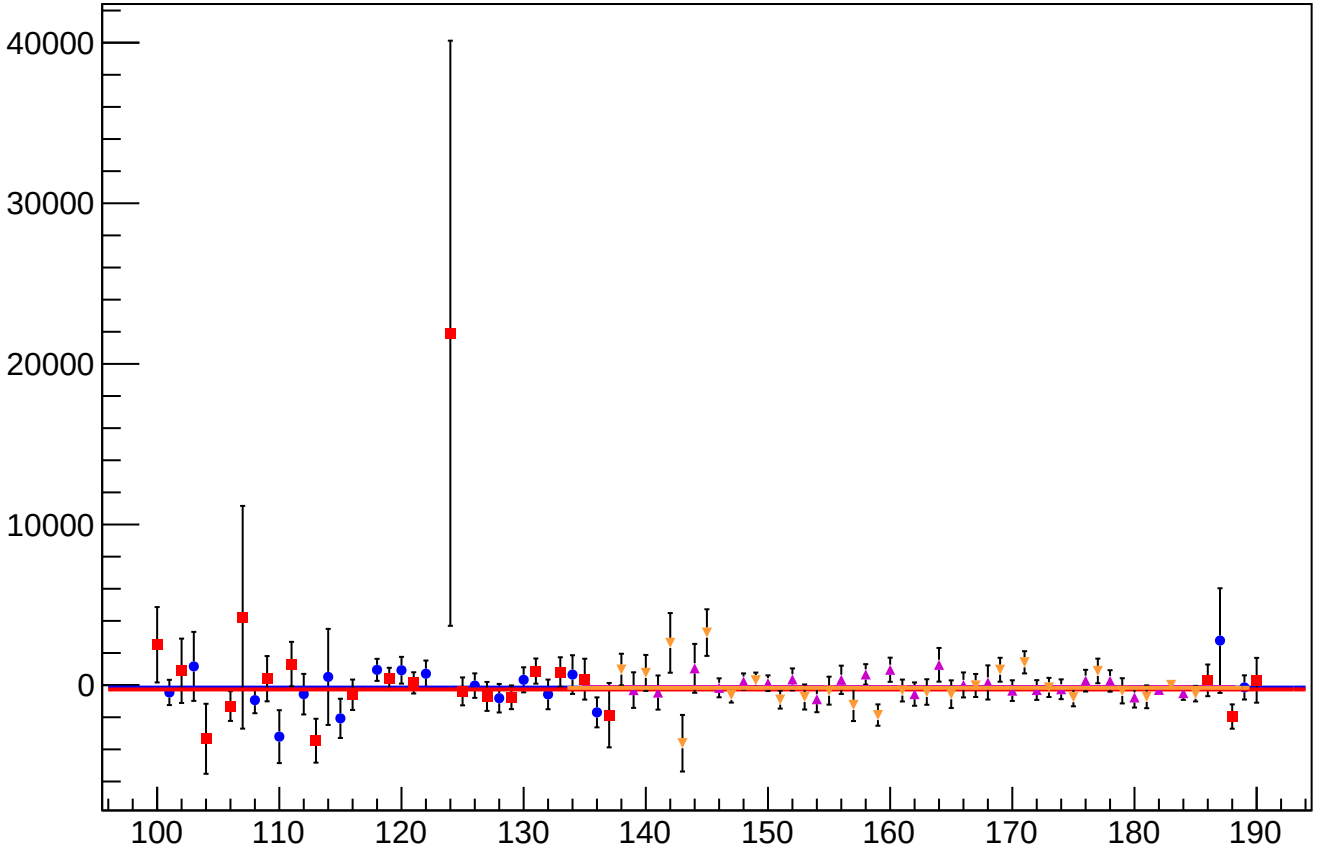
Right: 1956.221+/-0.341 χ^2/NDF: 995765.4/39

In: 1850.509+/-0.257 χ^2/NDF:702663.3/40

Out: 1830.347+/-0.244 χ^2/NDF:623043.7/46

All: 1839.919+/-0.177 χ^2/NDF: 1328943.7/87

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -154.138+/-225.461 χ^2/NDF: 18.0/17

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -269.092+/-222.260 χ^2/NDF: 25.8/21

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

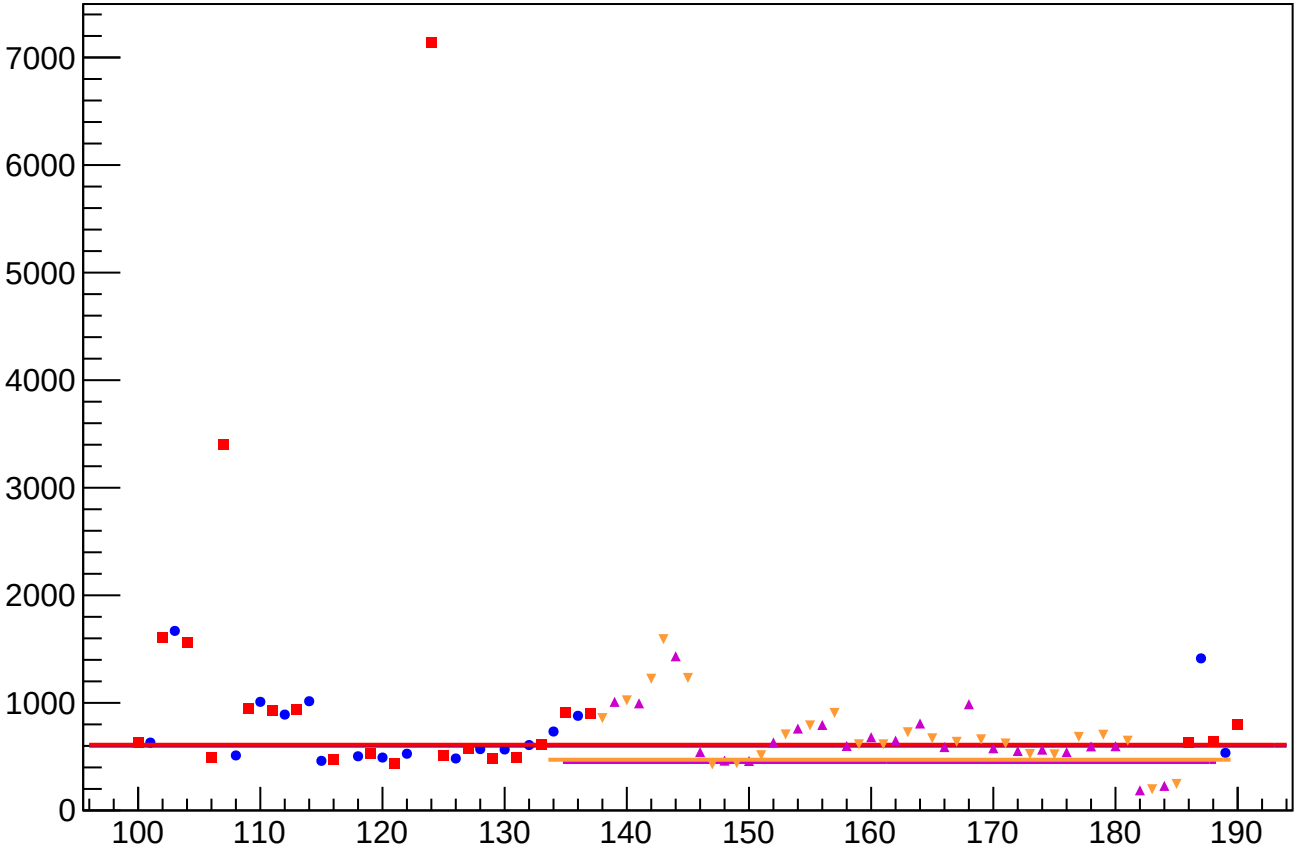
Right: -212.437+/-158.281 χ^2/NDF: 44.0/39

In: -125.339+/-105.773 χ^2/NDF:30.4/40

Out: -191.227+/-106.697 χ^2/NDF:64.3/46

All: -157.996+/-75.118 χ^2/NDF: 94.9/87

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 603.034+/-0.159 χ^2/NDF: 1302670.6/17

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 610.778+/-0.157 χ^2/NDF: 2374045.2/21

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

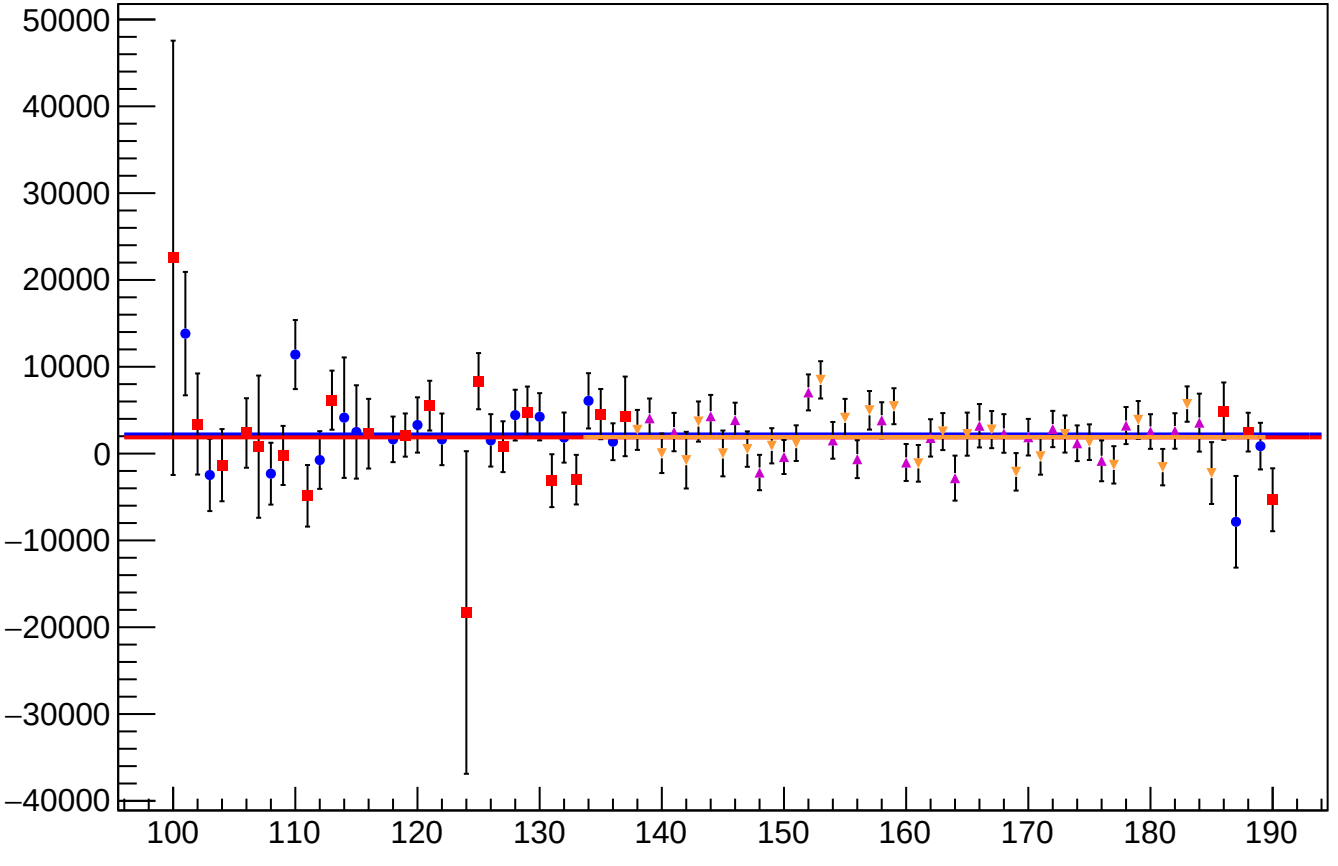
Right: 606.962+/-0.112 χ^2/NDF: 3677912.3/39

In: 484.191+/-0.075 χ^2/NDF:9943503.9/40

Out: 503.811+/-0.075 χ^2/NDF:11088680.4/46

All: 493.916+/-0.053 χ^2/NDF: 21066290.1/87

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2202.448+/-766.986 χ^2/NDF: 18.7/17

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 1866.843+/-733.275 χ^2/NDF: 26.4/21

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

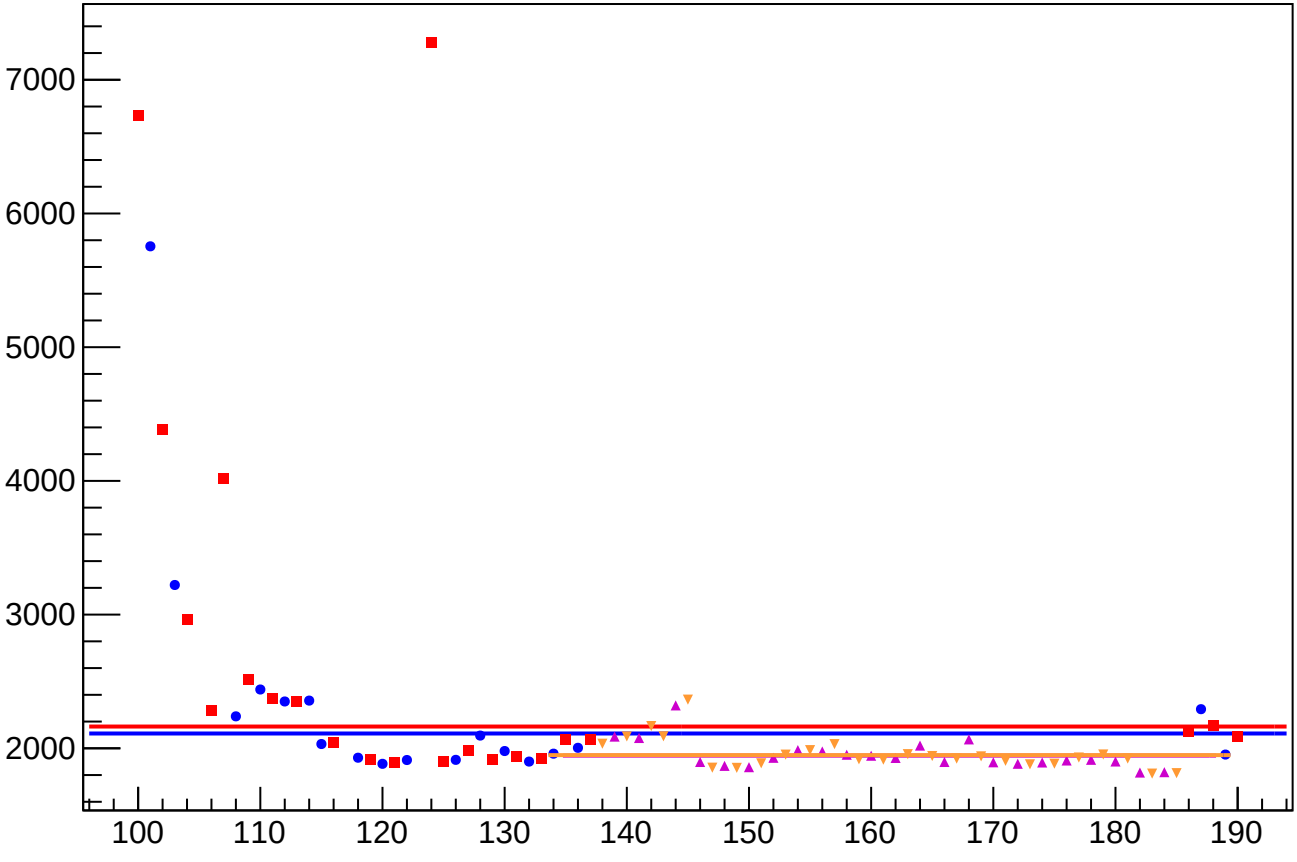
Right: 2027.108+/-530.021 χ^2/NDF: 45.2/39

In: 1998.356+/-391.246 χ^2/NDF:43.5/40

Out: 1896.514+/-379.503 χ^2/NDF:62.7/46

All: 1945.884+/-272.406 χ^2/NDF: 106.3/87

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2110.746+/-0.542 χ^2/NDF: 769527.4/17

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2162.806+/-0.519 χ^2/NDF: 825194.0/21

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

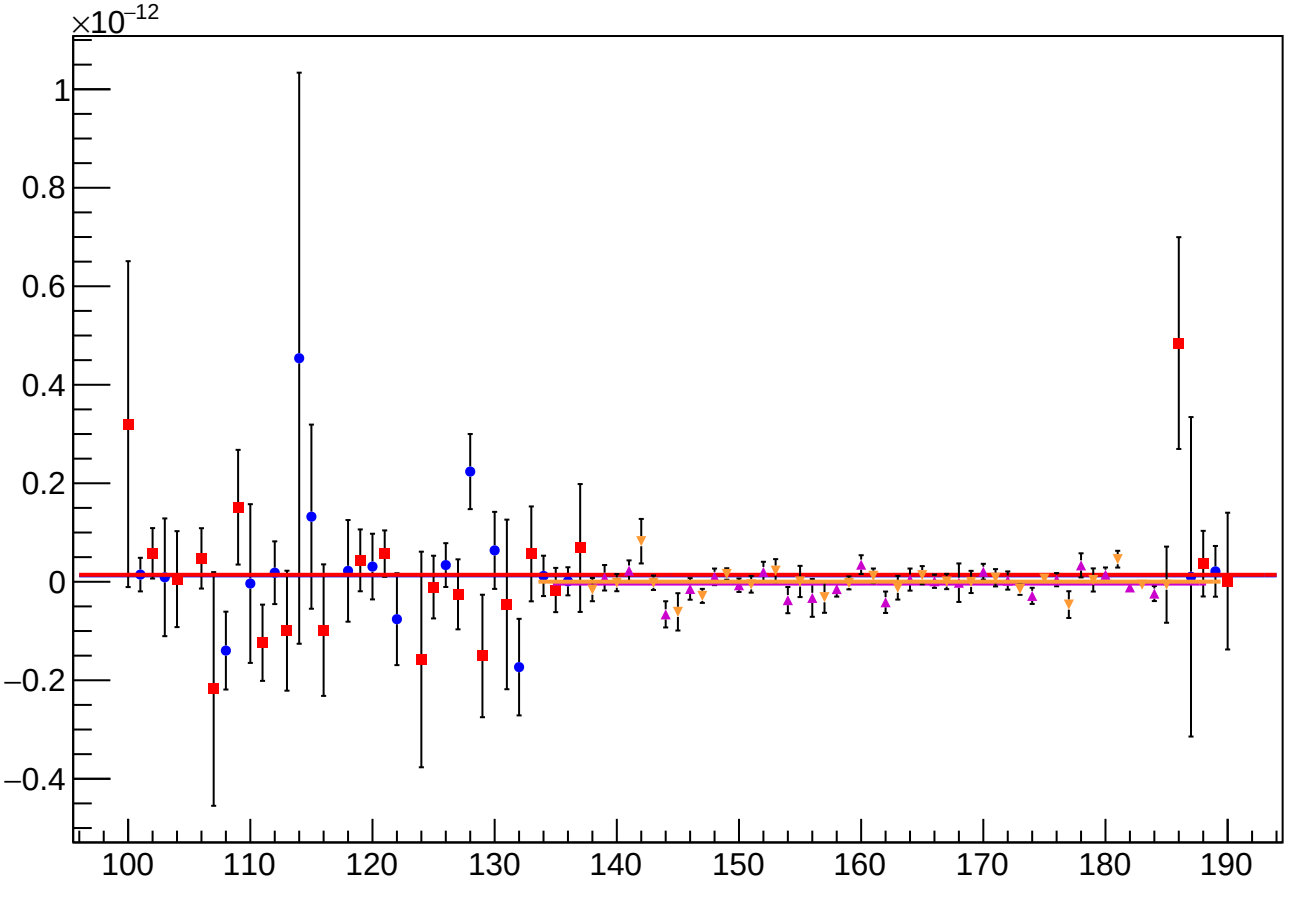
Right: 2137.945+/-0.375 χ^2/NDF: 1599535.5/39

In: 1988.227+/-0.277 χ^2/NDF:934466.9/40

Out: 2006.270+/-0.268 χ^2/NDF:1058206.3/46

All: 1997.523+/-0.193 χ^2/NDF: 1994864.8/87

asym_at1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/21

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

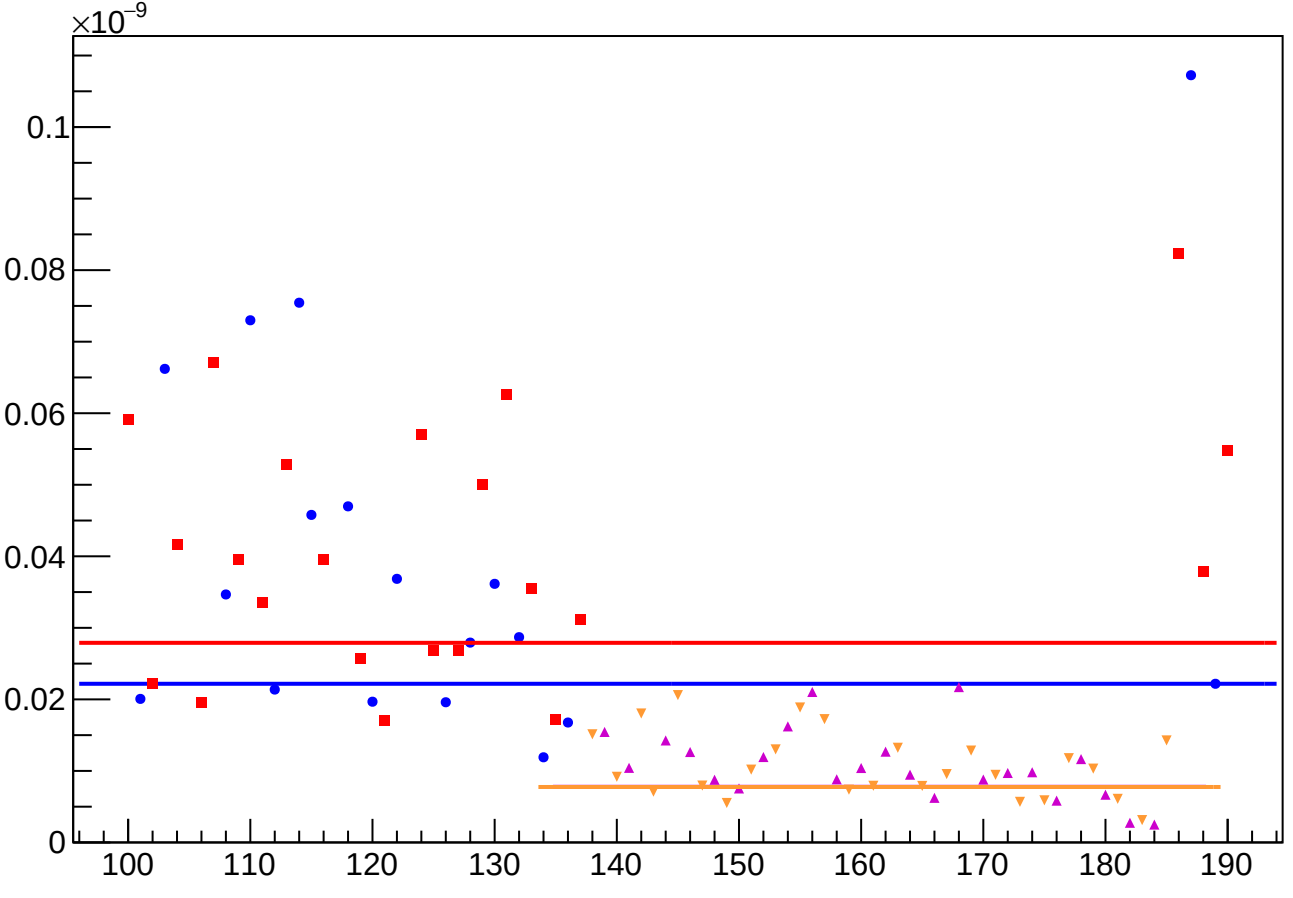
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 36.6/39

In: -0.000+/-0.000 χ^2/NDF:50.2/40

Out: 0.000+/-0.000 χ^2/NDF:48.1/46

All: -0.000+/-0.000 χ^2/NDF: 98.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 1170485.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 969456.7/21

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

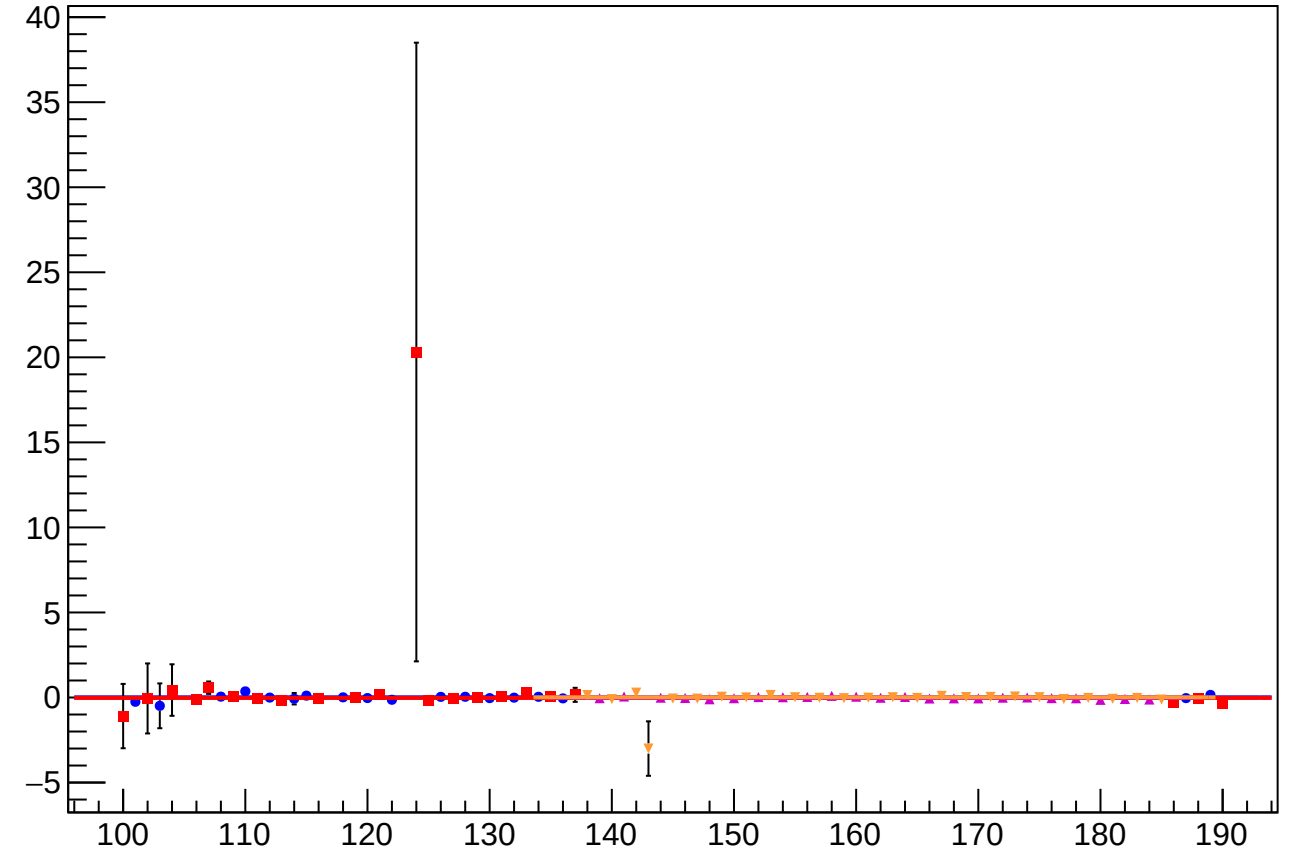
Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

Right: 0.000+/-0.000 χ^2/NDF: 2271890.1/39

In: 0.000+/-0.000 χ^2/NDF:5735131.5/40

Out: 0.000+/-0.000 χ^2/NDF:5773312.6/46

All: 0.000+/-0.000 χ^2/NDF: 11510606.3/87



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.024+/-0.025 χ^2/NDF: 22.0/21

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

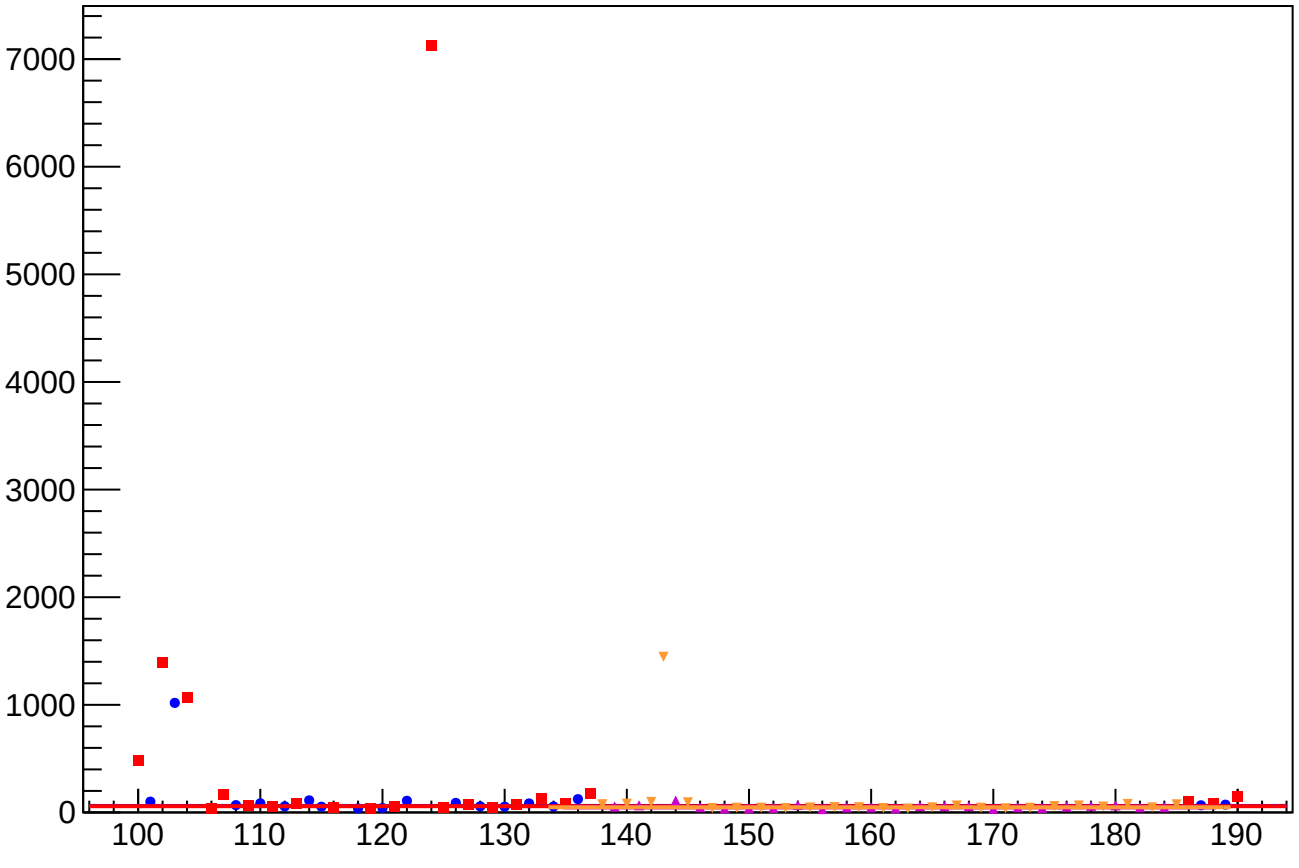
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.009+/-0.018 χ^2/NDF: 35.4/39

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.004+/-0.011 χ^2/NDF:53.3/46

All: -0.005+/-0.008 χ^2/NDF: 88.3/87



Right In: 60.454+/-0.018 χ^2/NDF: 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 58.136+/-0.017 χ^2/NDF: 4075939.5/21

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

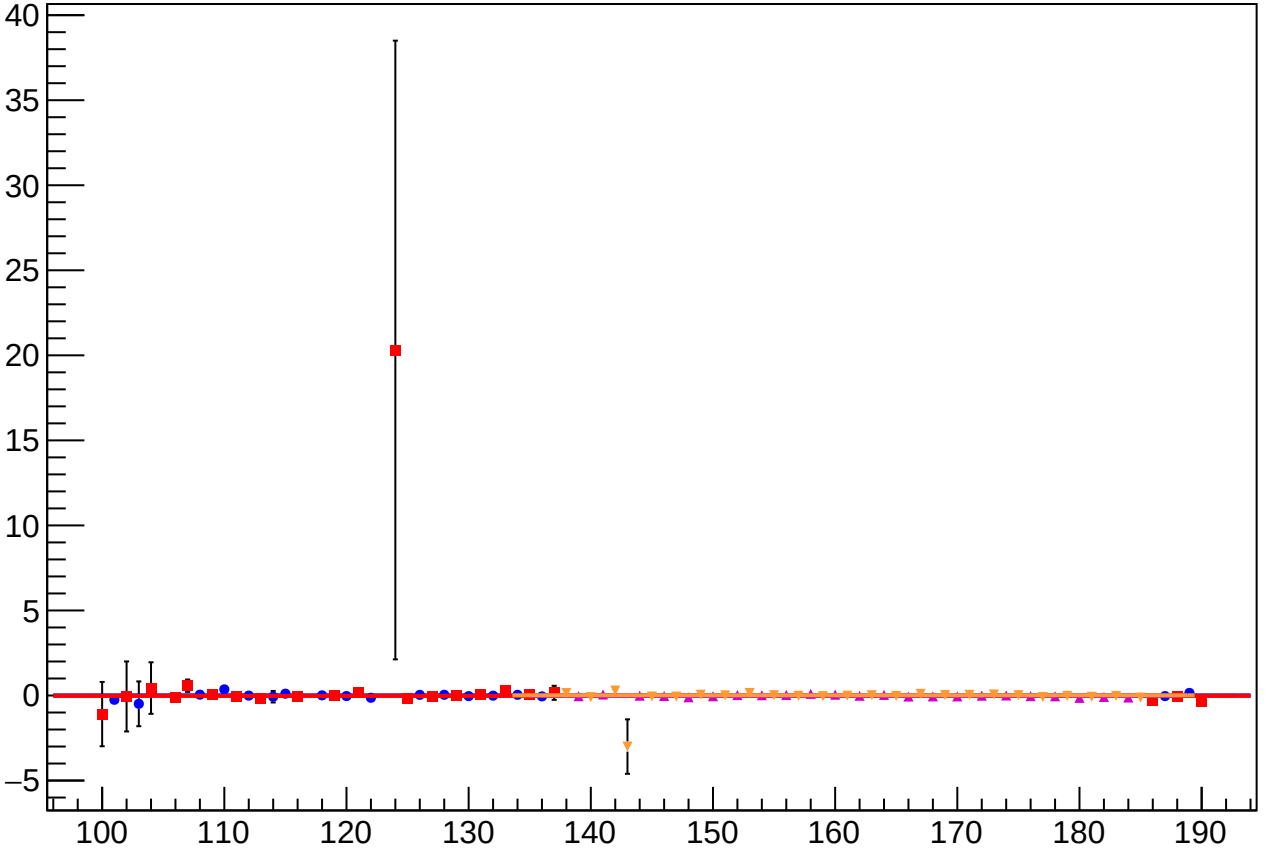
Right: 59.232+/-0.013 χ^2/NDF: 6642163.1/39

In: 49.286+/-0.008 χ^2/NDF:4962406.2/40

Out: 49.994+/-0.008 χ^2/NDF:7849244.6/46

All: 49.640+/-0.006 χ^2/NDF: 12815726.6/87

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.024+/-0.025 χ^2/NDF: 22.0/21

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

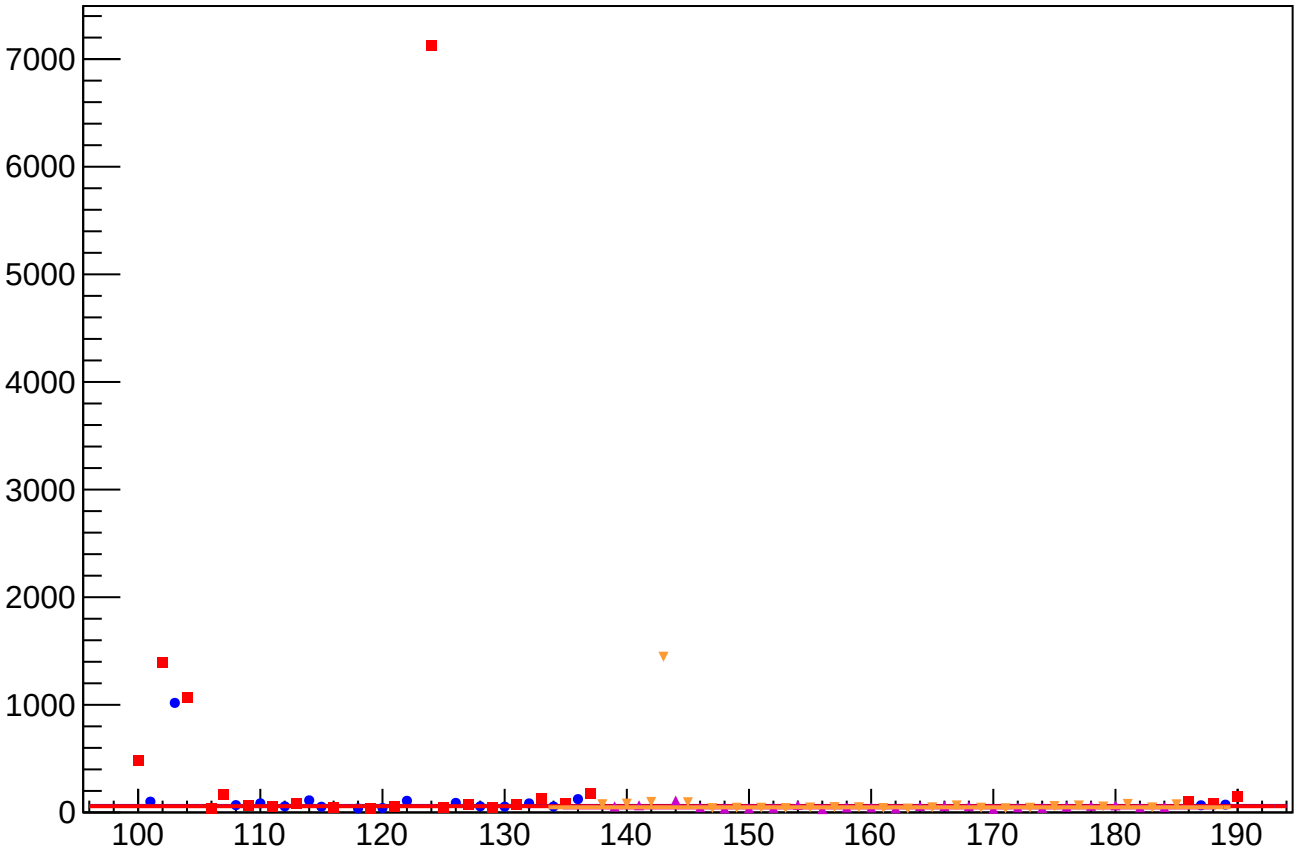
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.009+/-0.018 χ^2/NDF: 35.4/39

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.004+/-0.011 χ^2/NDF:53.3/46

All: -0.005+/-0.008 χ^2/NDF: 88.3/87



Right In: 60.454+/-0.018 χ^2/NDF: 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 58.136+/-0.017 χ^2/NDF: 4075939.5/21

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

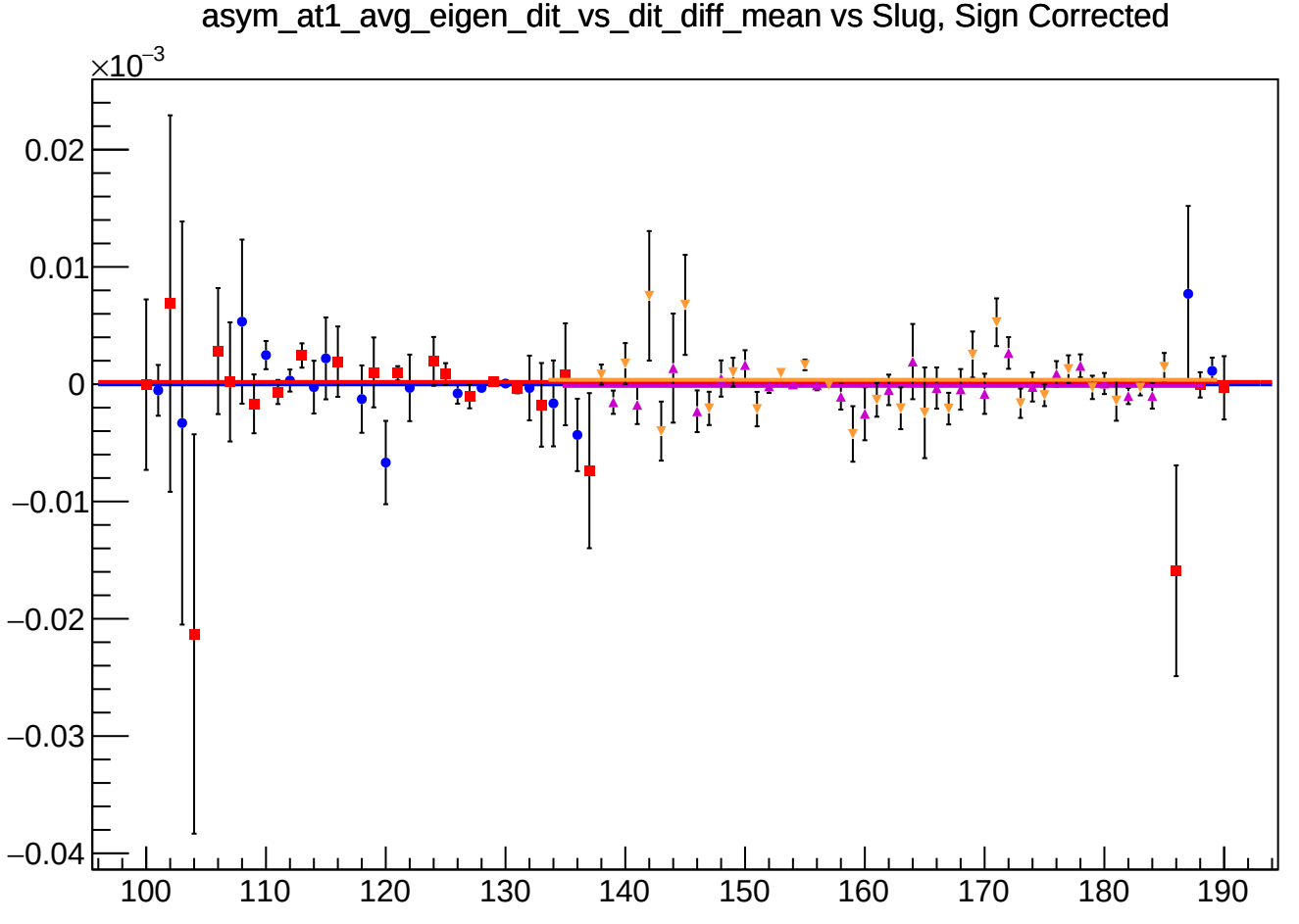
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 59.232+/-0.013 χ^2/NDF: 6642163.1/39

In: 49.286+/-0.008 χ^2/NDF:4962406.2/40

Out: 49.994+/-0.008 χ^2/NDF:7849244.6/46

All: 49.640+/-0.006 χ^2/NDF: 12815726.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/21

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

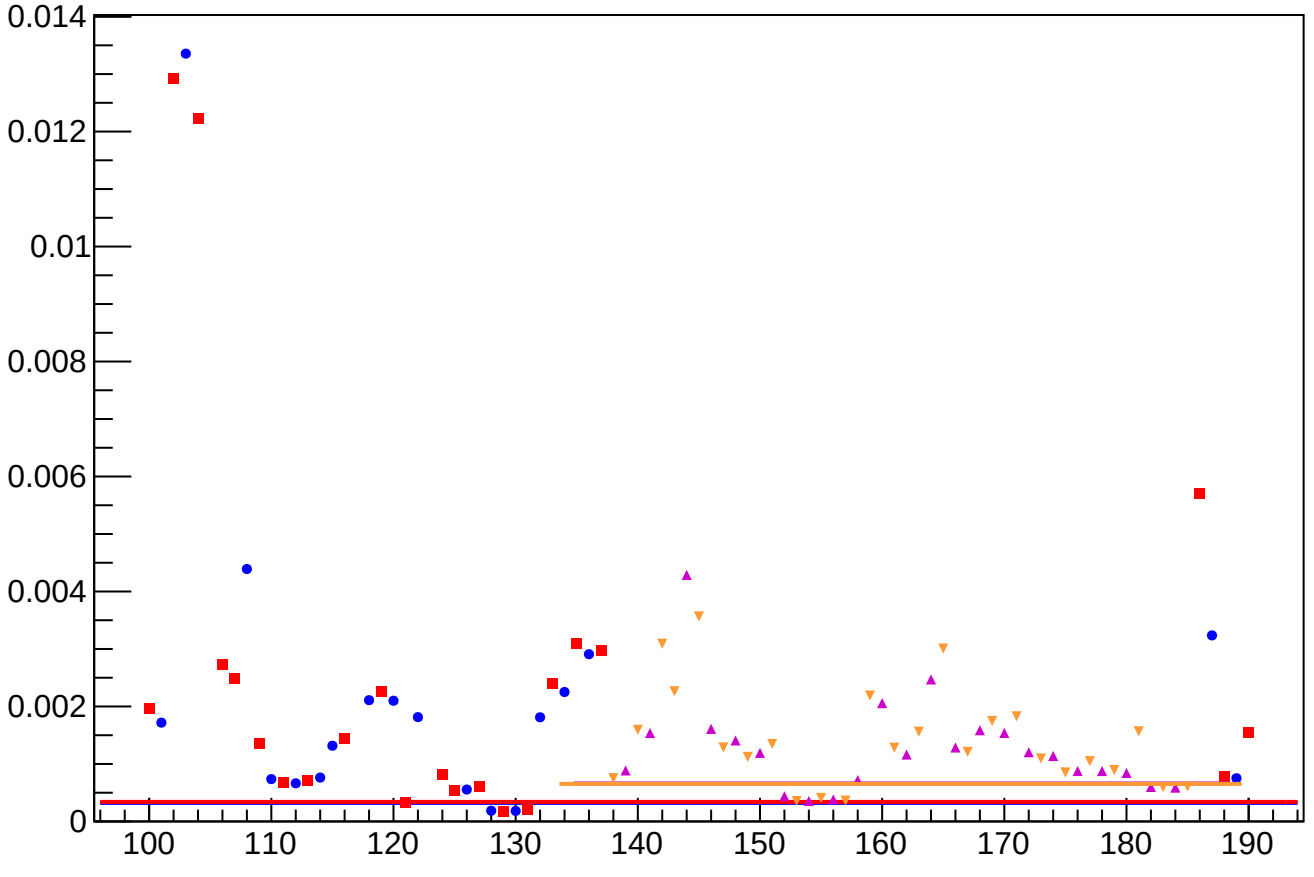
Right: 0.000+/-0.000 χ^2/NDF: 34.5/39

In: -0.000+/-0.000 χ^2/NDF:35.1/40

Out: 0.000+/-0.000 χ^2/NDF:71.2/46

All: 0.000+/-0.000 χ^2/NDF: 110.1/87

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9357988.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9494589.2/21

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

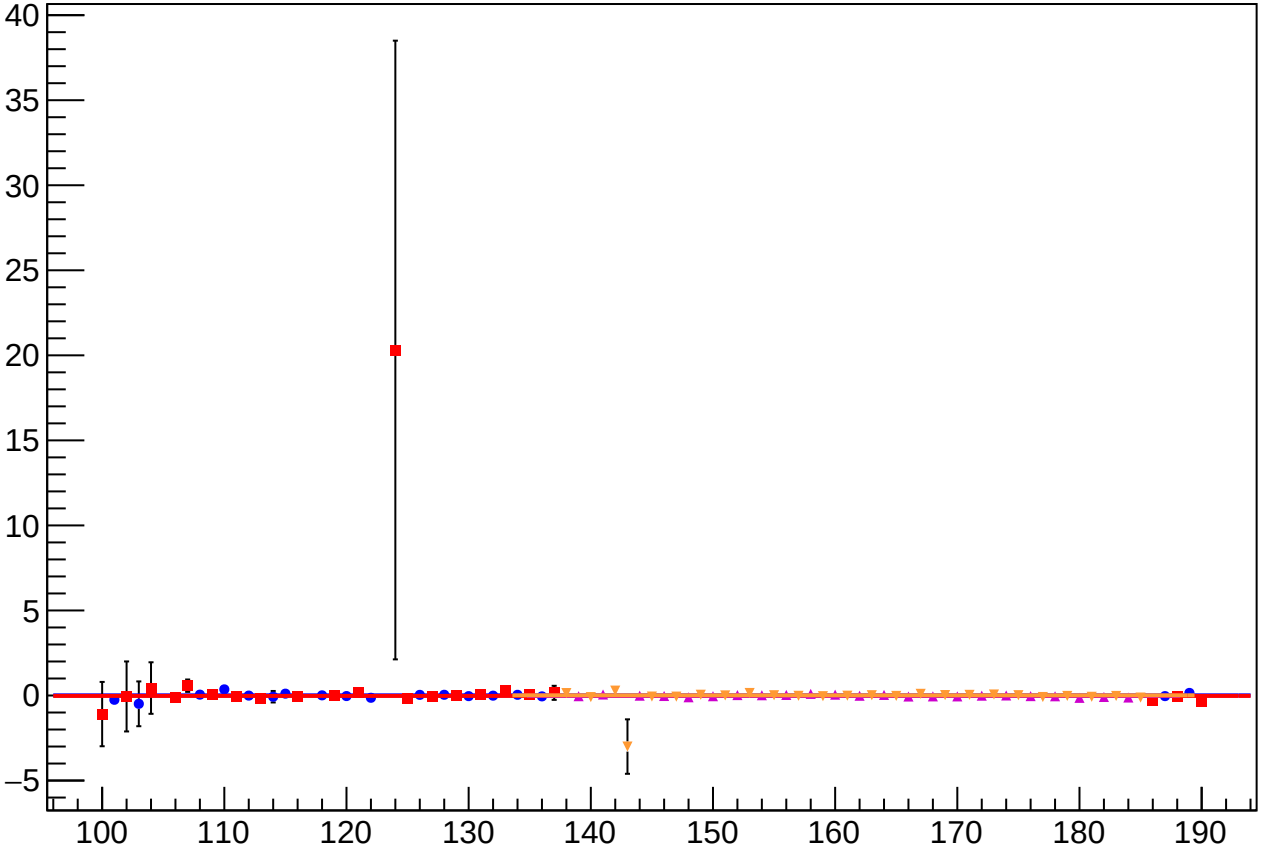
Right: 0.000+/-0.000 χ^2/NDF: 18860801.2/39

In: 0.000+/-0.000 χ^2/NDF:22242245.8/40

Out: 0.001+/-0.000 χ^2/NDF:24426545.9/46

All: 0.000+/-0.000 χ^2/NDF: 46672734.0/87

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.024+/-0.025 χ^2/NDF: 22.0/21

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

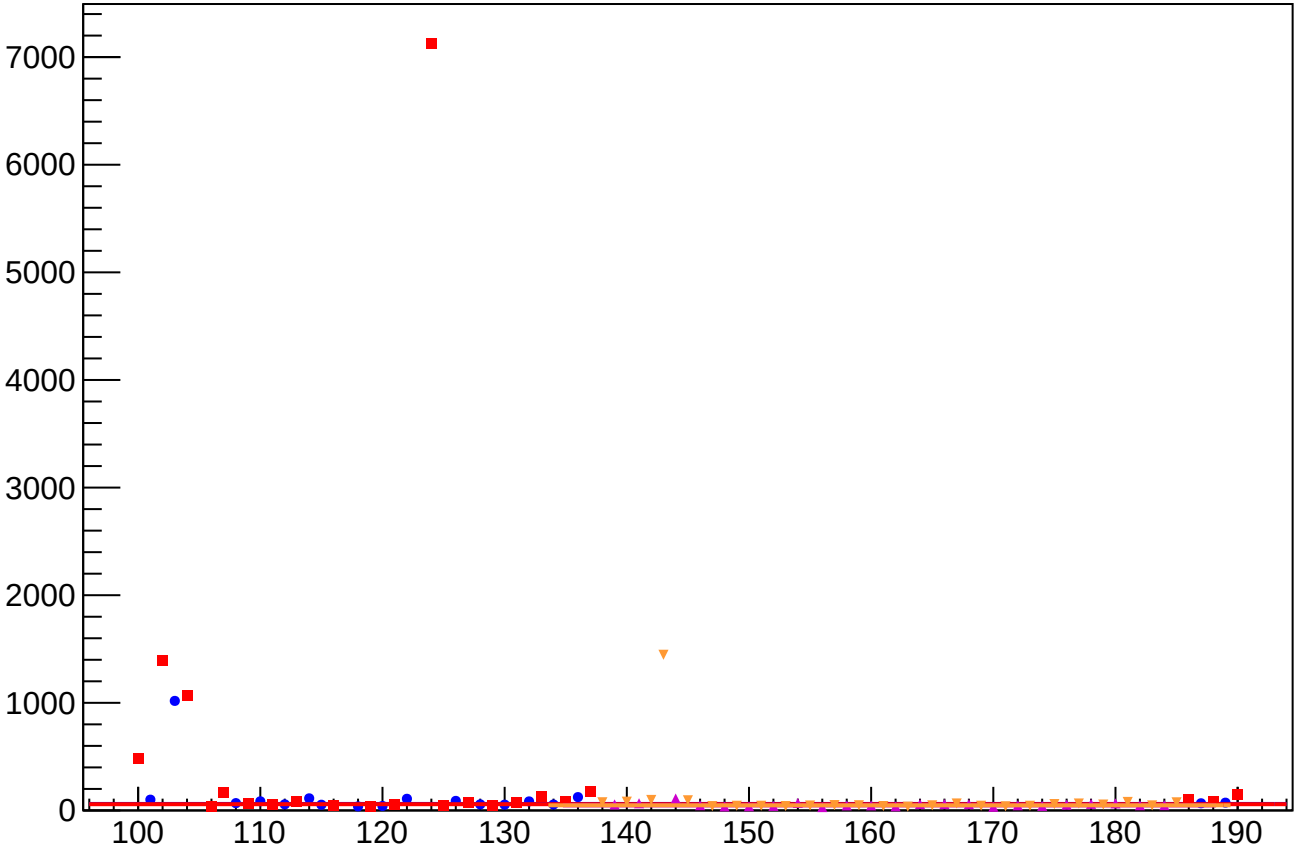
Right: -0.009+/-0.018 χ^2/NDF: 35.4/39

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.004+/-0.011 χ^2/NDF:53.3/46

All: -0.005+/-0.008 χ^2/NDF: 88.3/87

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.454+/-0.018 χ^2/NDF: 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 58.135+/-0.017 χ^2/NDF: 4076041.9/21

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

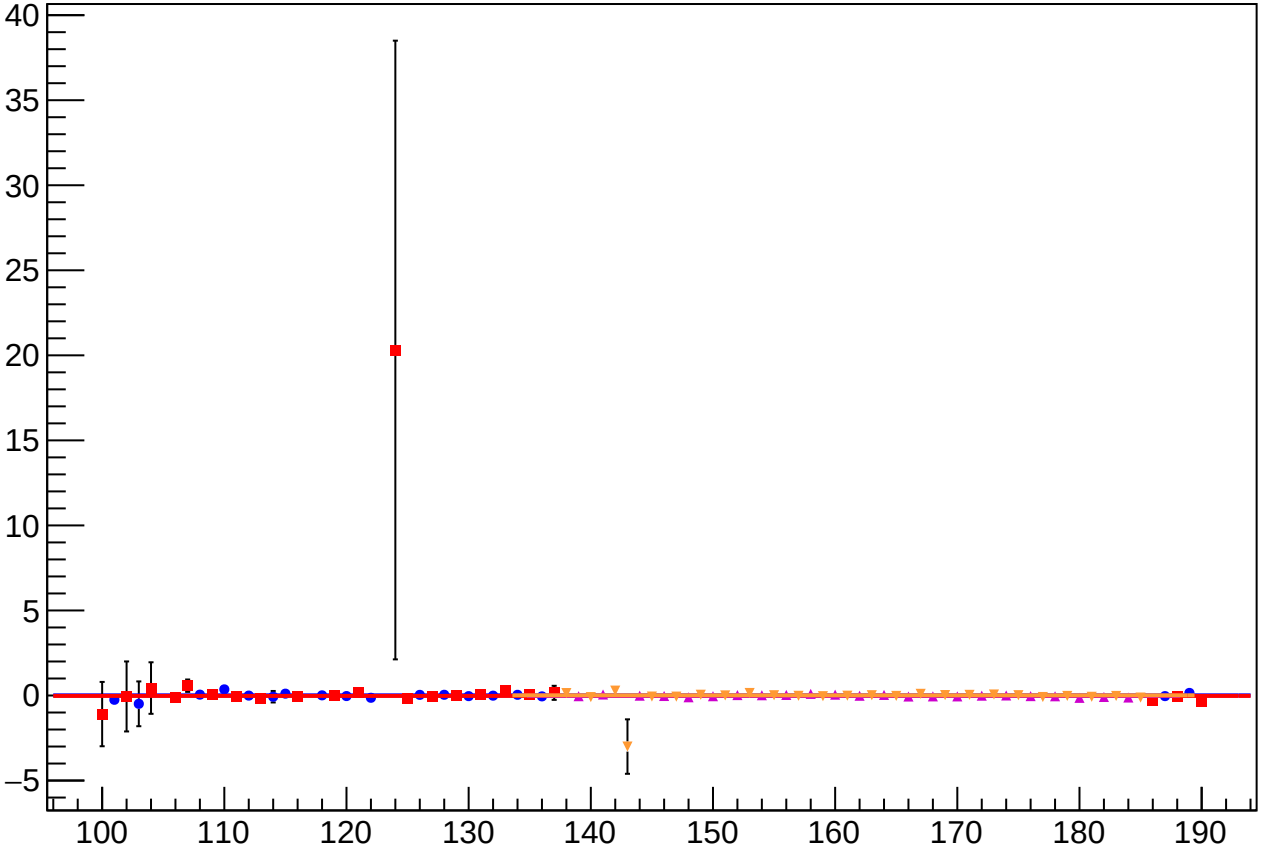
Right: 59.232+/-0.013 χ^2/NDF: 6642289.5/39

In: 49.286+/-0.008 χ^2/NDF:4962411.2/40

Out: 49.994+/-0.008 χ^2/NDF:7849259.3/46

All: 49.640+/-0.006 χ^2/NDF: 12815746.8/87

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.024+/-0.025 χ^2/NDF: 22.0/21

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

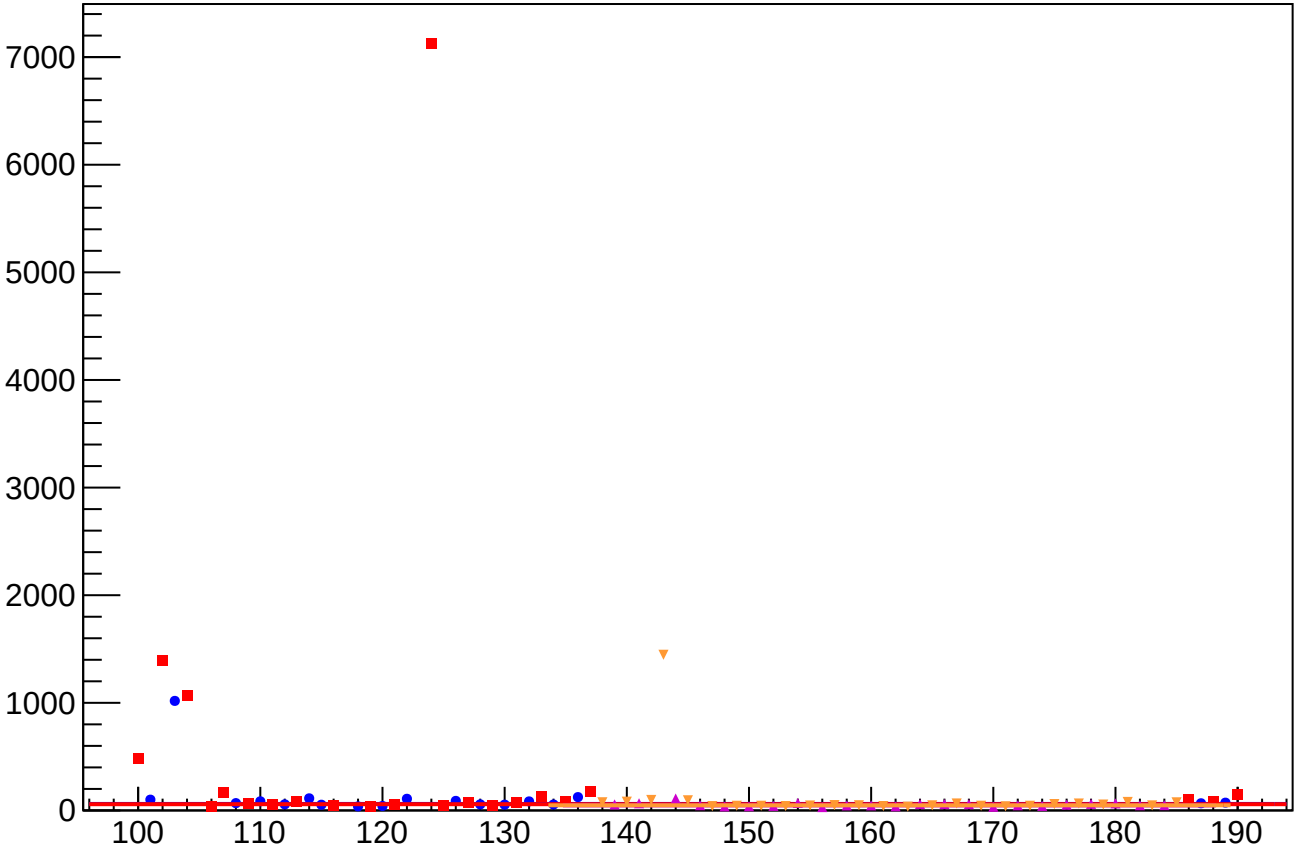
Right: -0.009+/-0.018 χ^2/NDF: 35.4/39

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.004+/-0.011 χ^2/NDF:53.3/46

All: -0.005+/-0.008 χ^2/NDF: 88.3/87

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.454+/-0.018 χ^2/NDF: 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 58.135+/-0.017 χ^2/NDF: 4076041.9/21

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

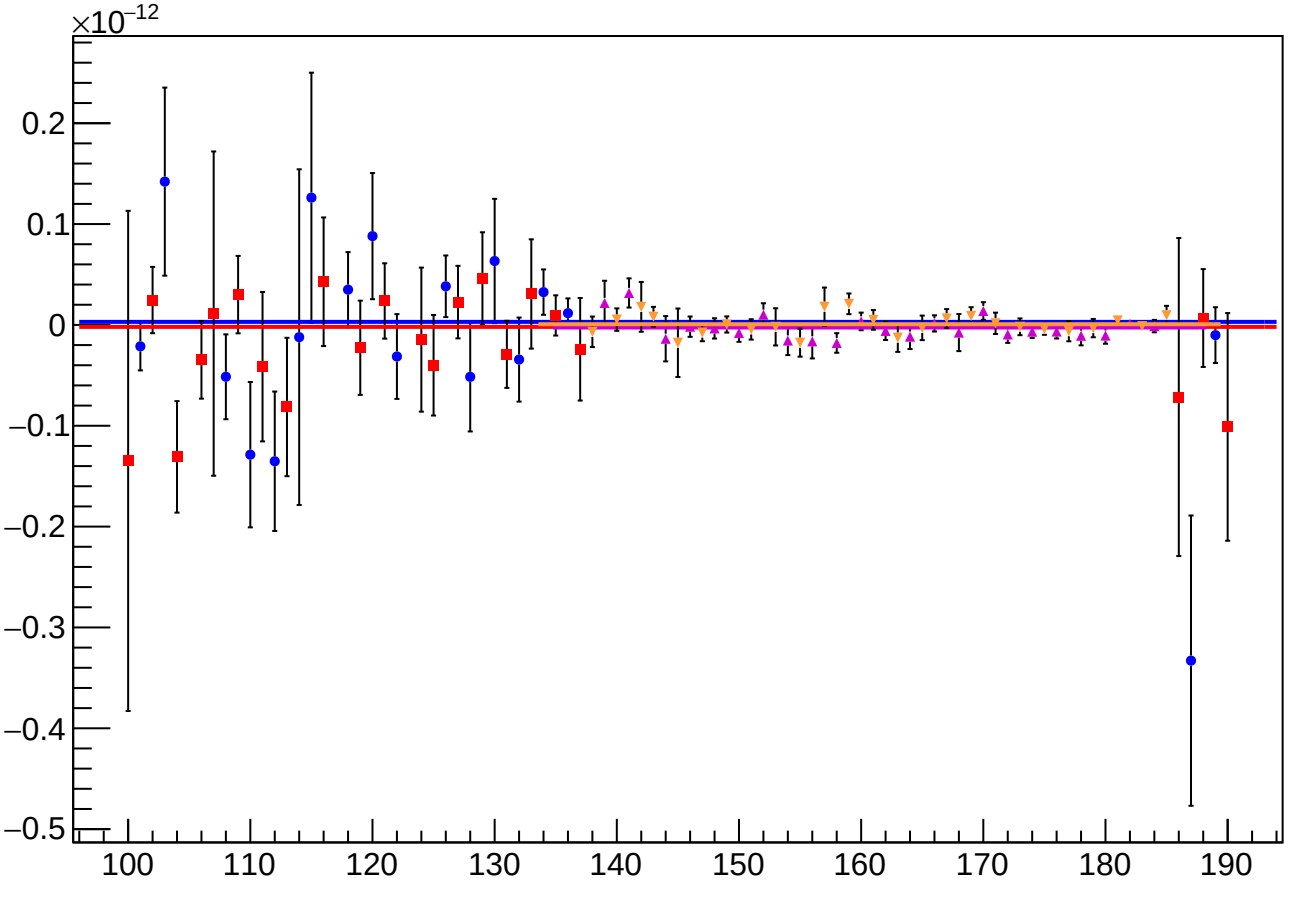
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 59.232+/-0.013 χ^2/NDF: 6642289.5/39

In: 49.286+/-0.008 χ^2/NDF:4962411.2/40

Out: 49.994+/-0.008 χ^2/NDF:7849259.3/46

All: 49.640+/-0.006 χ^2/NDF: 12815746.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/21

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

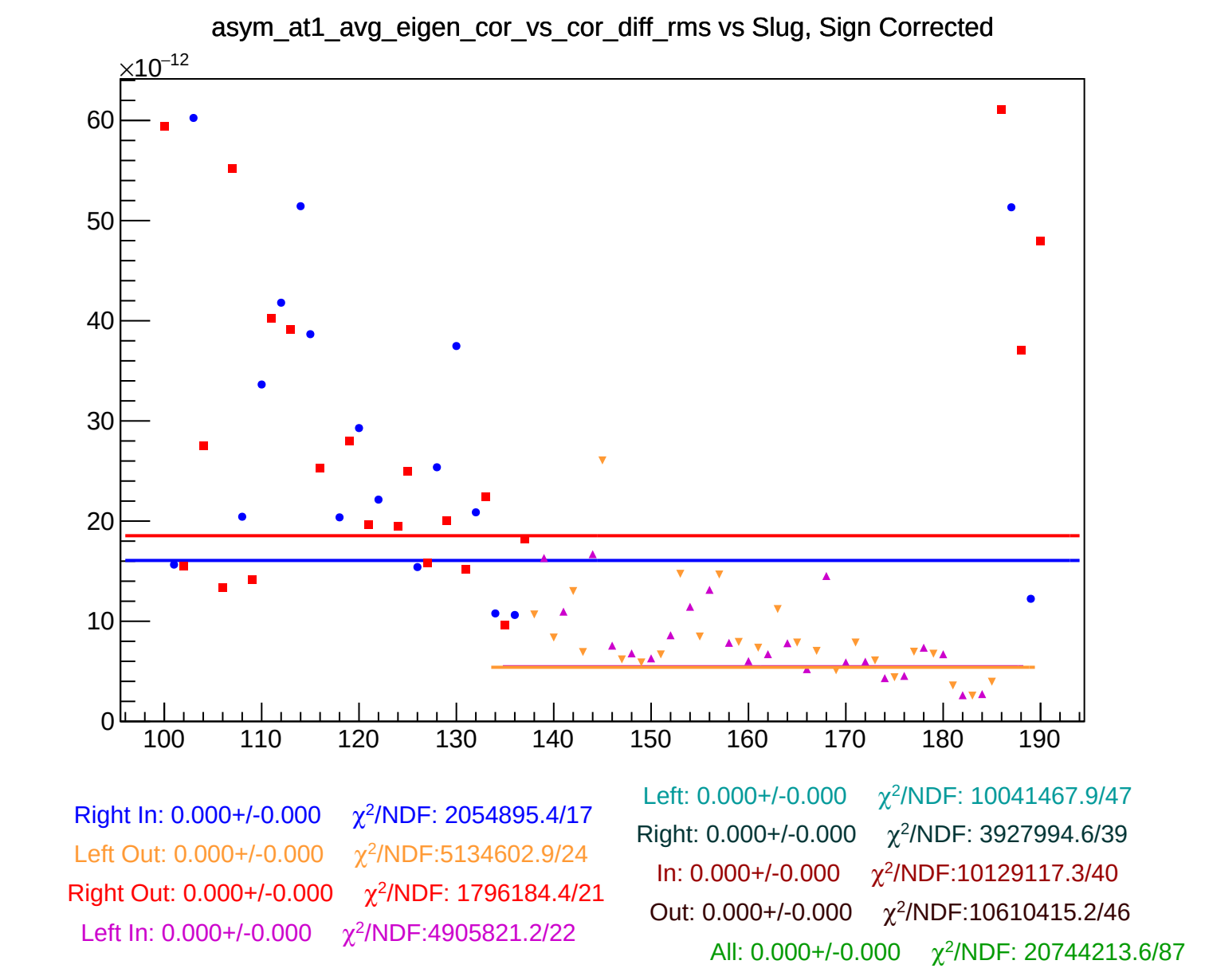
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

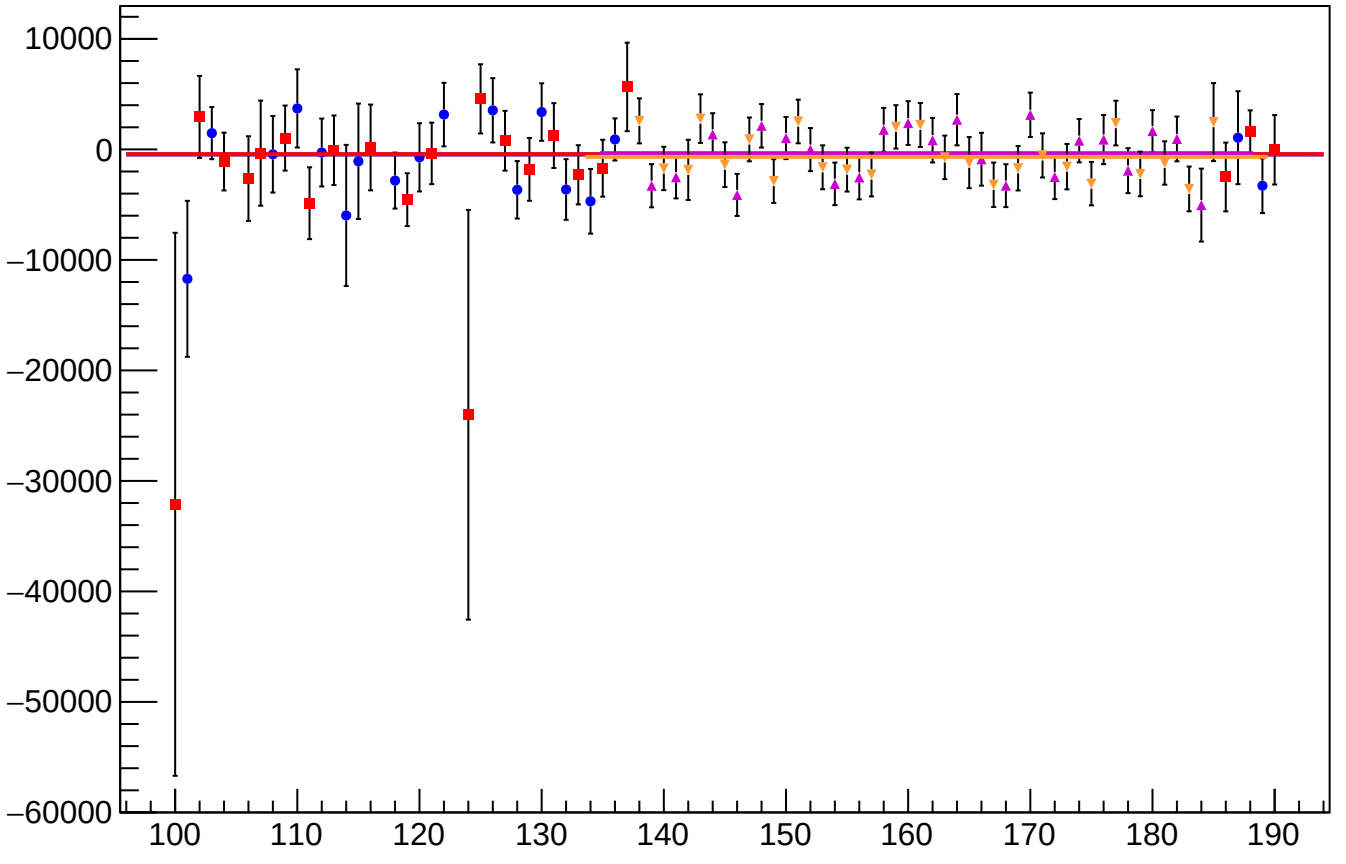
Right: 0.000+/-0.000 χ^2/NDF: 43.8/39

In: -0.000+/-0.000 χ^2/NDF:50.6/40

Out: 0.000+/-0.000 χ^2/NDF:30.5/46

All: -0.000+/-0.000 χ^2/NDF: 82.6/87


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2054895.4/17
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1796184.4/21
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
Left: 0.000+/-0.000 χ²/NDF: 10041467.9/47
Right: 0.000+/-0.000 χ²/NDF: 3927994.6/39
In: 0.000+/-0.000 χ²/NDF:10129117.3/40
Out: 0.000+/-0.000 χ²/NDF:10610415.2/46
All: 0.000+/-0.000 χ²/NDF: 20744213.6/87



Right In: -454.472+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -438.356+/-656.809 χ^2/NDF: 17.5/21

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

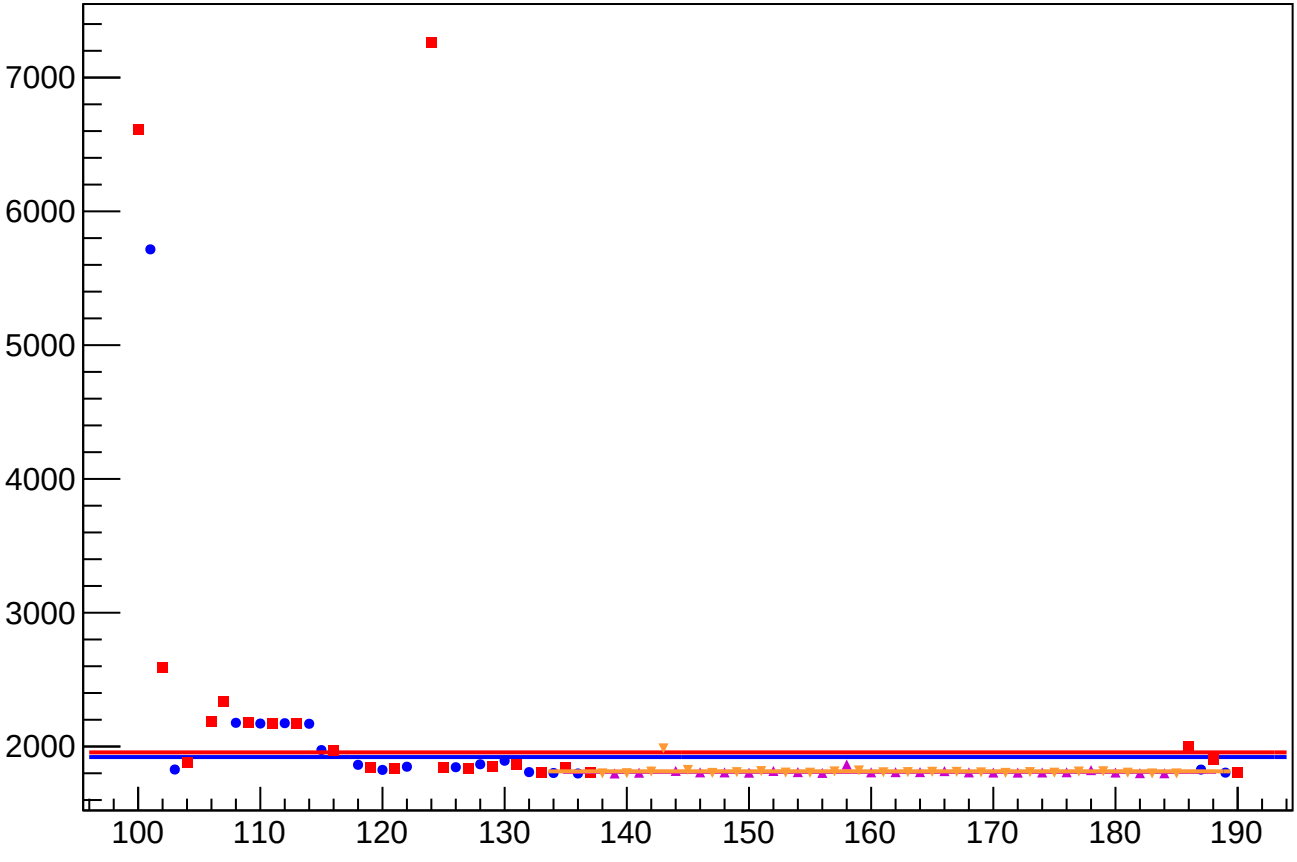
Right: -445.958+/-477.377 χ^2/NDF: 36.3/39

In: -373.059+/-361.161 χ^2/NDF:48.9/40

Out: -604.573+/-349.143 χ^2/NDF:42.3/46

All: -492.732+/-251.023 χ^2/NDF: 91.4/87

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.6/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1956.128+/-0.464 χ^2/NDF: 385368.3/21

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

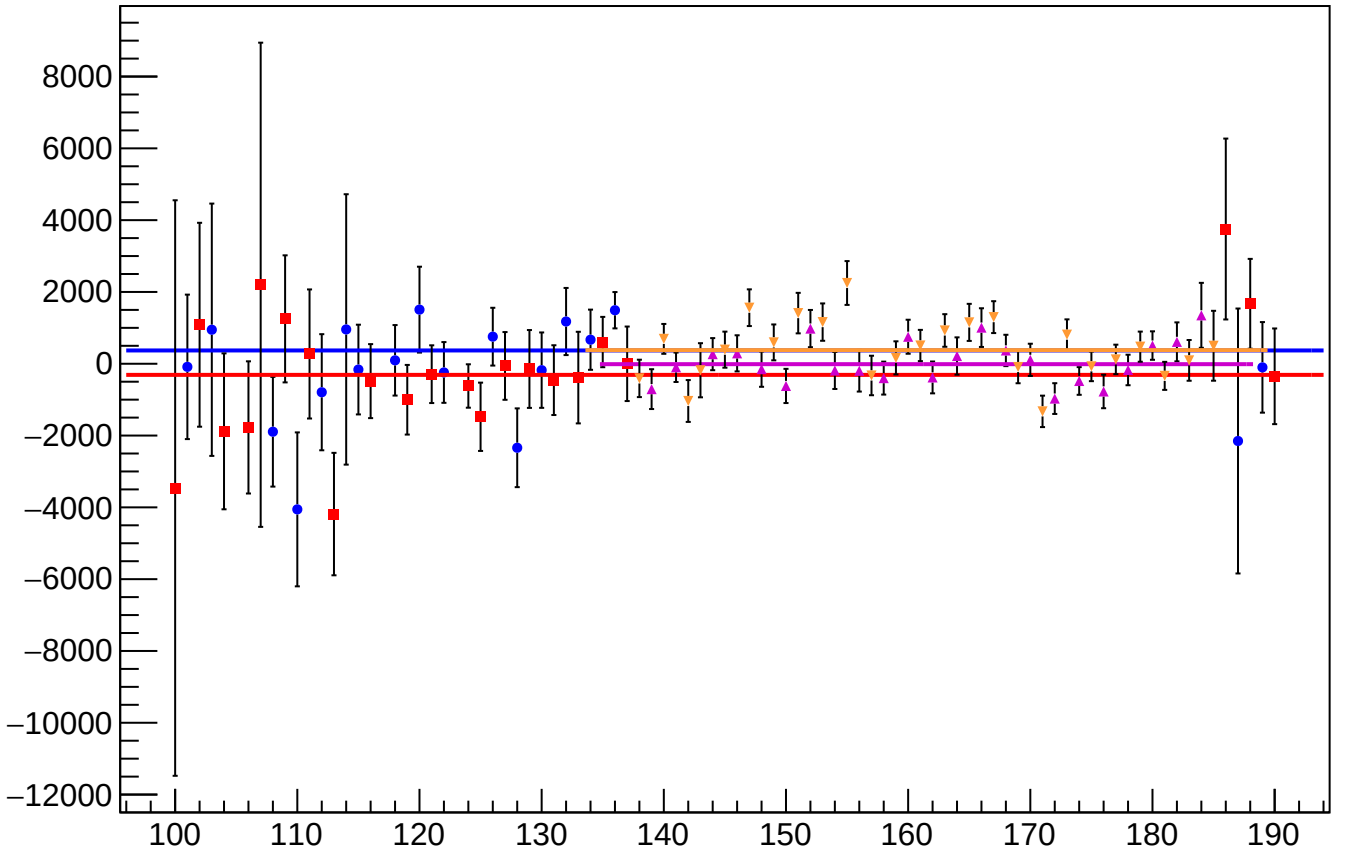
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1939.602+/-0.338 χ^2/NDF: 1034024.2/39

In: 1840.331+/-0.255 χ^2/NDF:684933.1/40

Out: 1854.473+/-0.247 χ^2/NDF:465248.4/46

All: 1847.641+/-0.177 χ^2/NDF: 1151766.6/87



Right In: 370.450+/-252.714 χ^2/NDF: 21.8/17

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -309.700+/-242.504 χ^2/NDF: 17.1/21

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

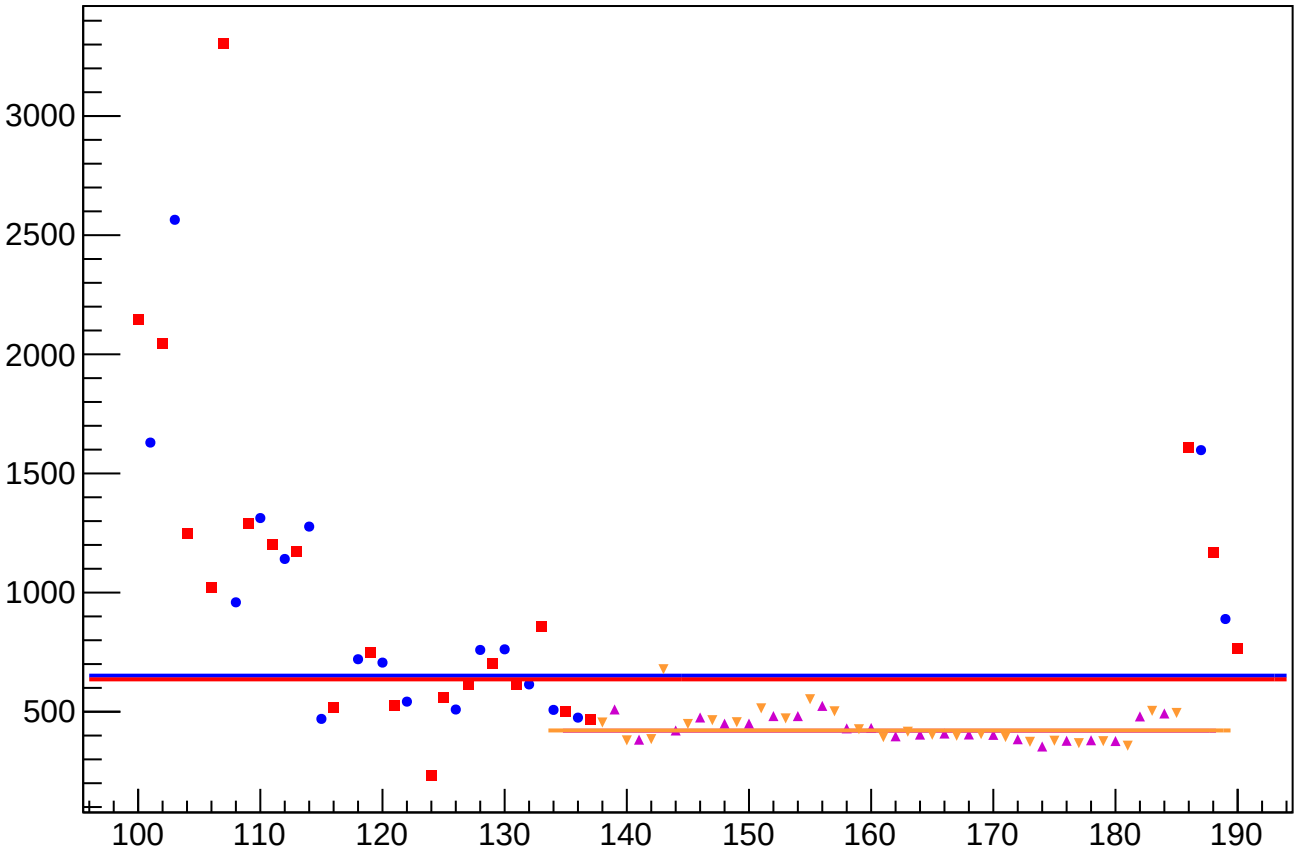
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 16.358+/-174.974 χ^2/NDF: 42.6/39

In: 39.272+/-92.160 χ^2/NDF:54.8/40

Out: 284.291+/-90.073 χ^2/NDF:86.3/46

All: 164.587+/-64.416 χ^2/NDF: 144.8/87



Right In: 651.334+/-0.179 χ^2/NDF: 2275911.9/17

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 635.803+/-0.171 χ^2/NDF: 3663310.2/21

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

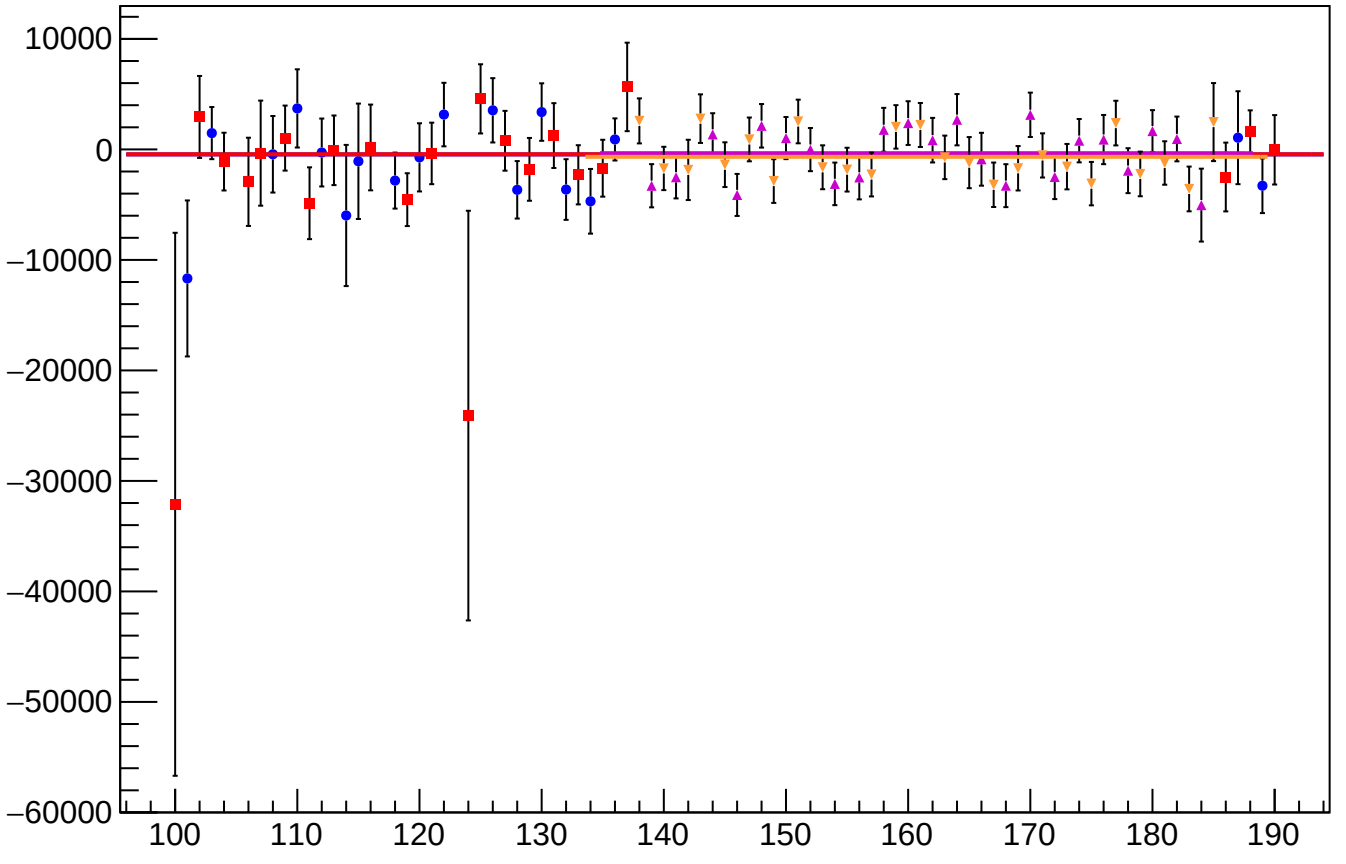
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 643.249+/-0.124 χ^2/NDF: 5943154.6/39

In: 450.958+/-0.065 χ^2/NDF:4139279.8/40

Out: 450.993+/-0.064 χ^2/NDF:5753822.1/46

All: 450.976+/-0.046 χ^2/NDF: 9893102.0/87



Right In: -453.750+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -441.649+/-657.572 χ^2/NDF: 17.6/21

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

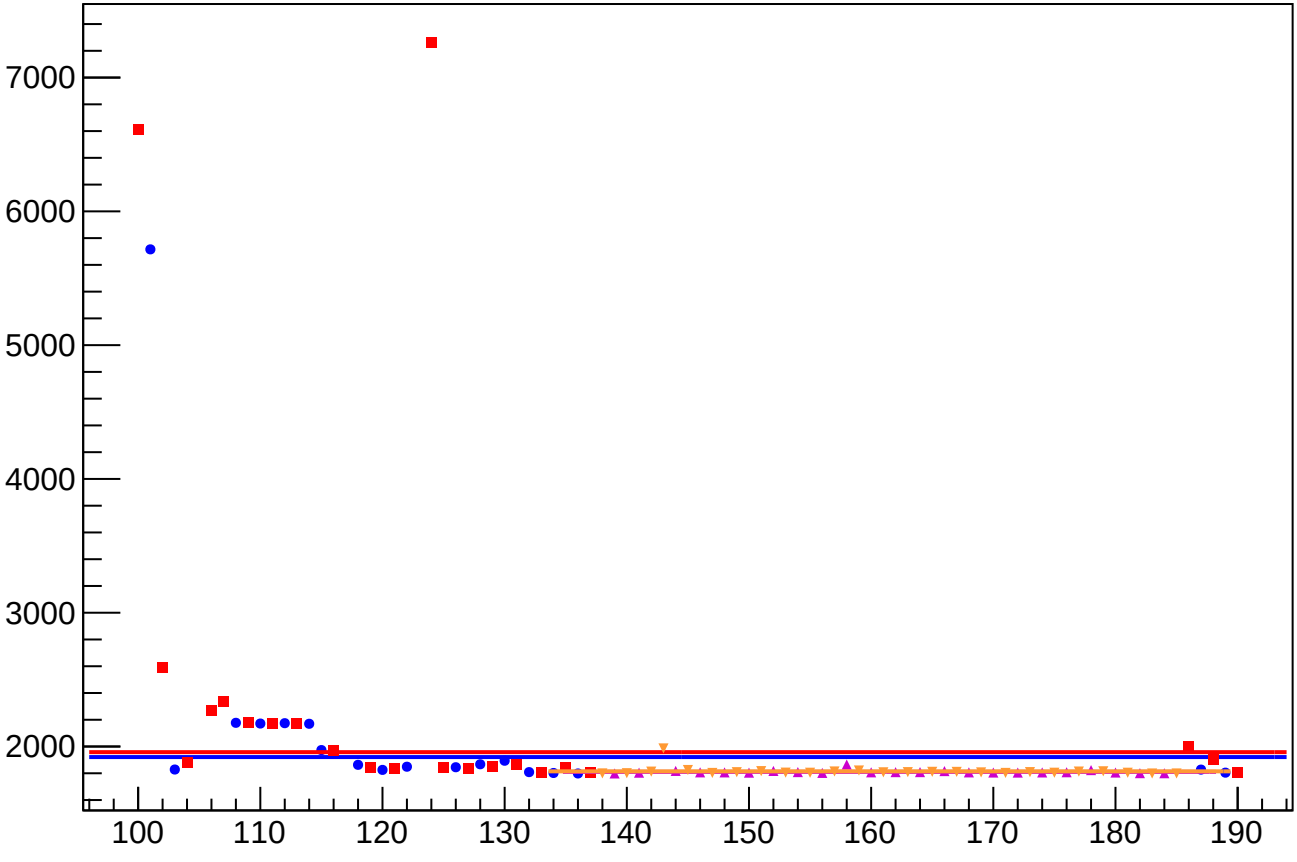
Right: -447.364+/-477.669 χ^2/NDF: 36.3/39

In: -372.896+/-361.161 χ^2/NDF:48.8/40

Out: -605.604+/-349.257 χ^2/NDF:42.4/46

All: -493.149+/-251.065 χ^2/NDF: 91.5/87

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1957.814+/-0.465 χ^2/NDF: 390375.7/21

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

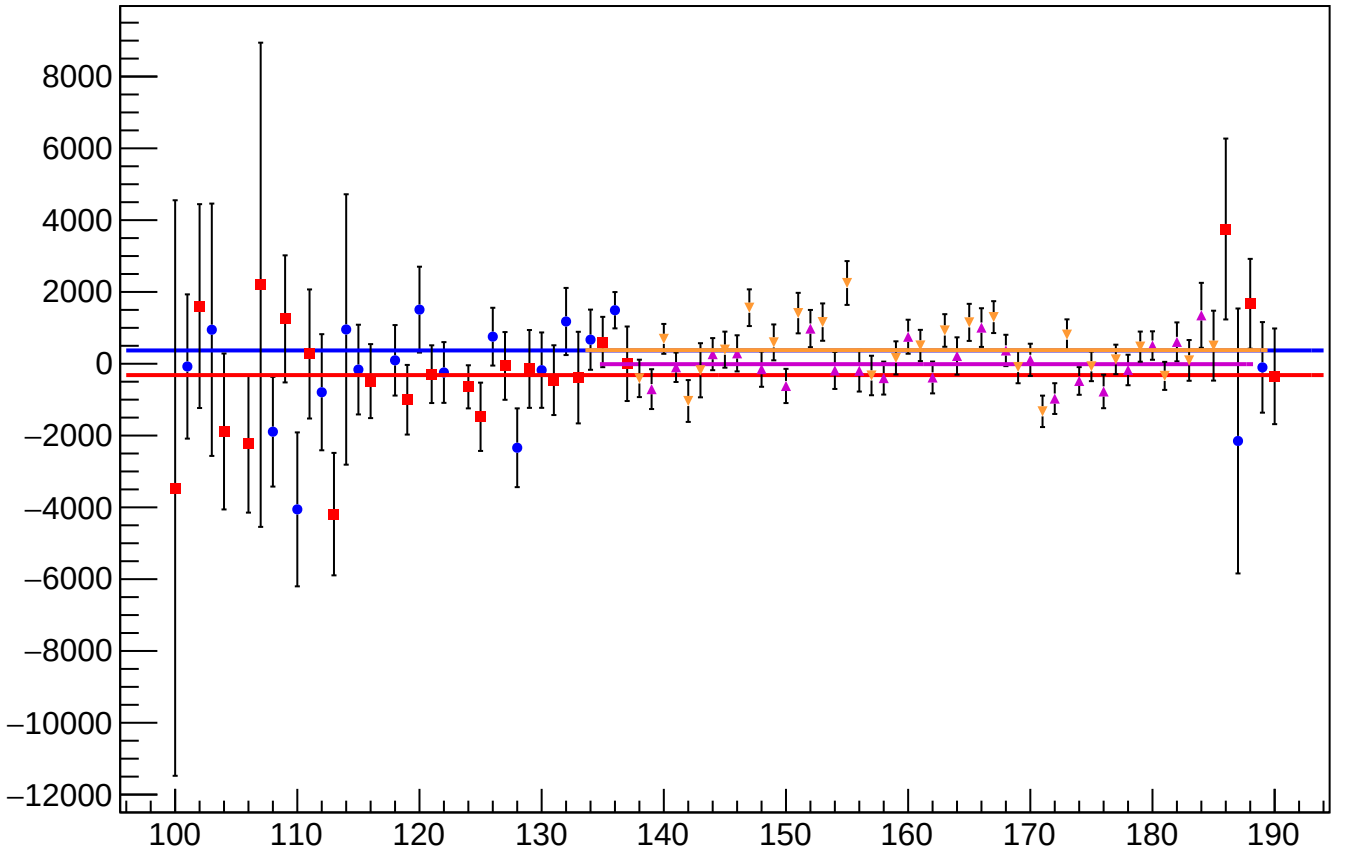
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1940.471+/-0.338 χ^2/NDF: 1039292.8/39

In: 1840.331+/-0.255 χ^2/NDF:684933.0/40

Out: 1854.882+/-0.247 χ^2/NDF:471740.0/46

All: 1847.850+/-0.178 χ^2/NDF: 1158350.6/87



Right In: 370.505+/-252.704 χ^2/NDF: 21.8/17

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -315.935+/-242.370 χ^2/NDF: 17.7/21

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

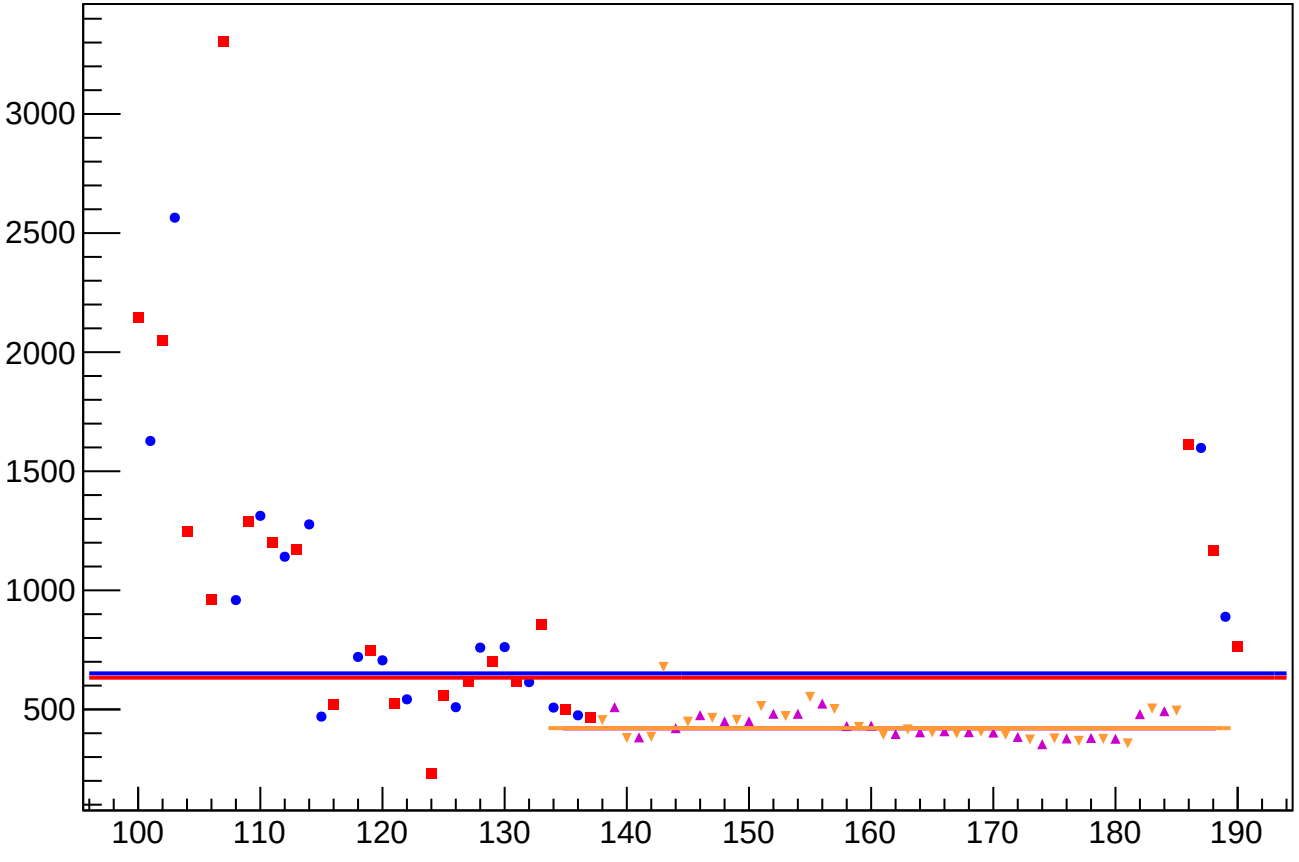
Right: 12.963+/-174.921 χ^2/NDF: 43.3/39

In: 39.272+/-92.159 χ^2/NDF:54.9/40

Out: 283.331+/-90.067 χ^2/NDF:87.1/46

All: 164.103+/-64.414 χ^2/NDF: 145.6/87

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.331+/-0.179 χ^2/NDF: 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 633.216+/-0.171 χ^2/NDF: 3655979.6/21

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

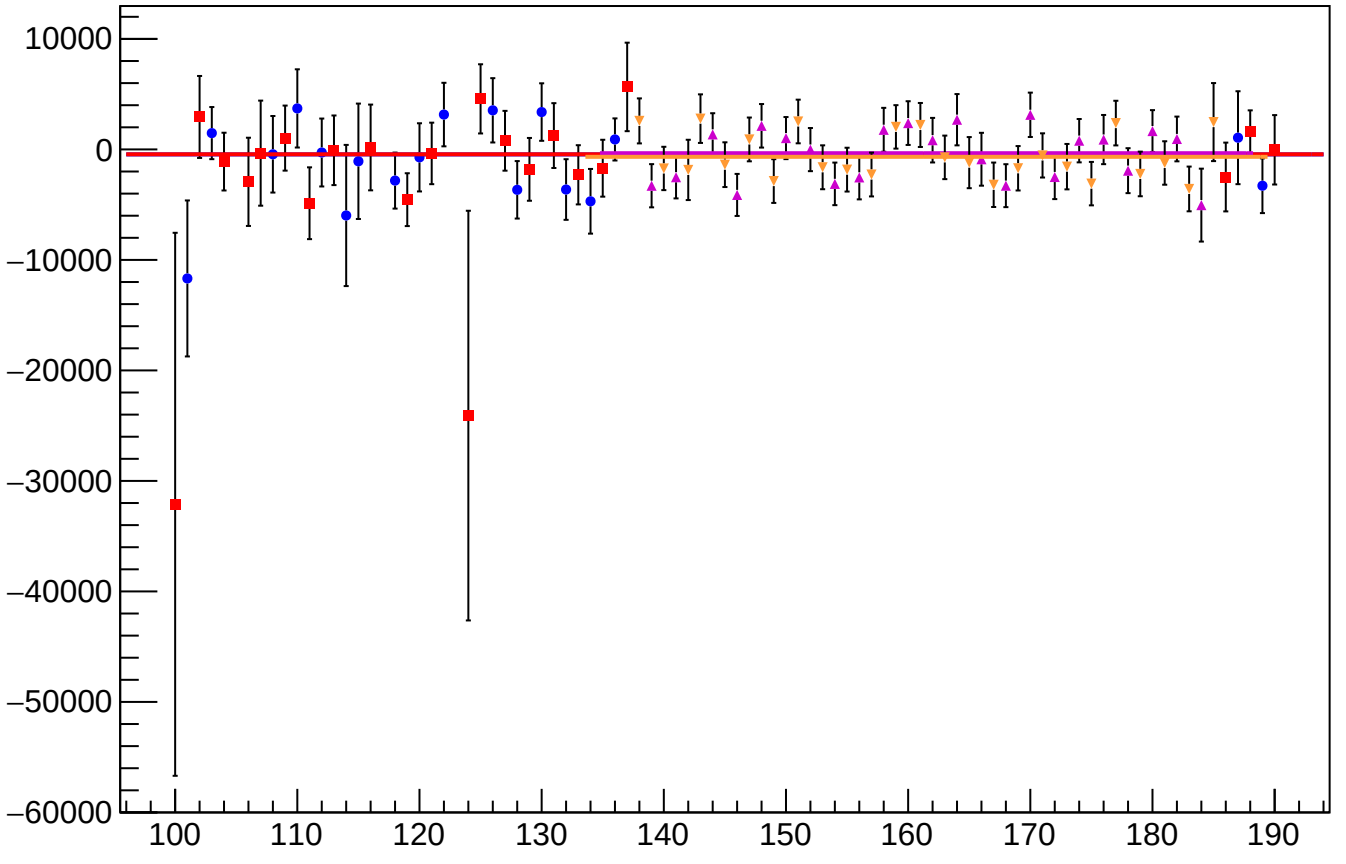
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 641.896+/-0.124 χ^2/NDF: 5936389.7/39

In: 450.956+/-0.065 χ^2/NDF:4138585.3/40

Out: 450.667+/-0.064 χ^2/NDF:5715303.5/46

All: 450.808+/-0.046 χ^2/NDF: 9853898.9/87



Right In: -453.750+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -441.649+/-657.572 χ^2/NDF: 17.6/21

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

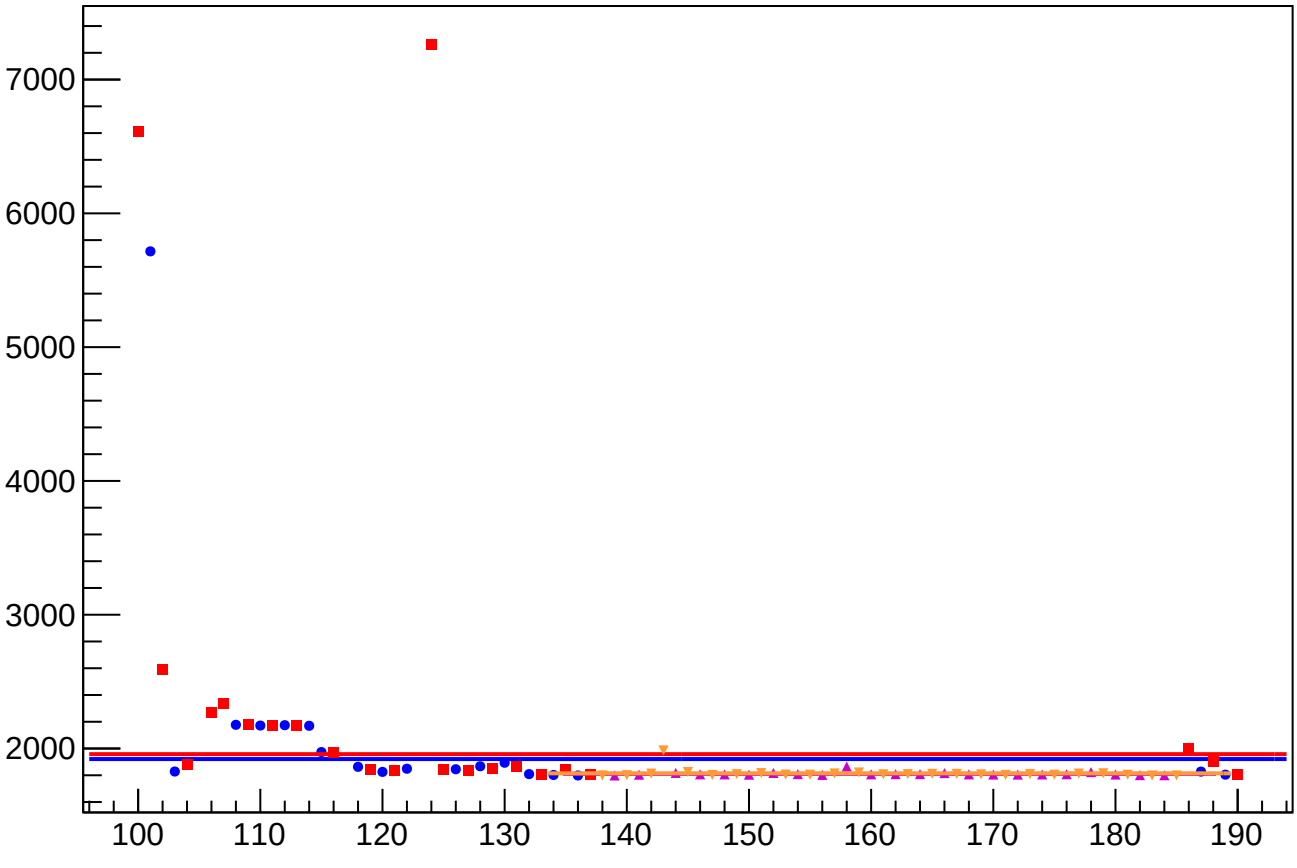
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -447.364+/-477.669 χ^2/NDF: 36.3/39

In: -372.896+/-361.161 χ^2/NDF:48.8/40

Out: -605.604+/-349.257 χ^2/NDF:42.4/46

All: -493.149+/-251.065 χ^2/NDF: 91.5/87



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1957.814+/-0.465 χ^2/NDF: 390375.7/21

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

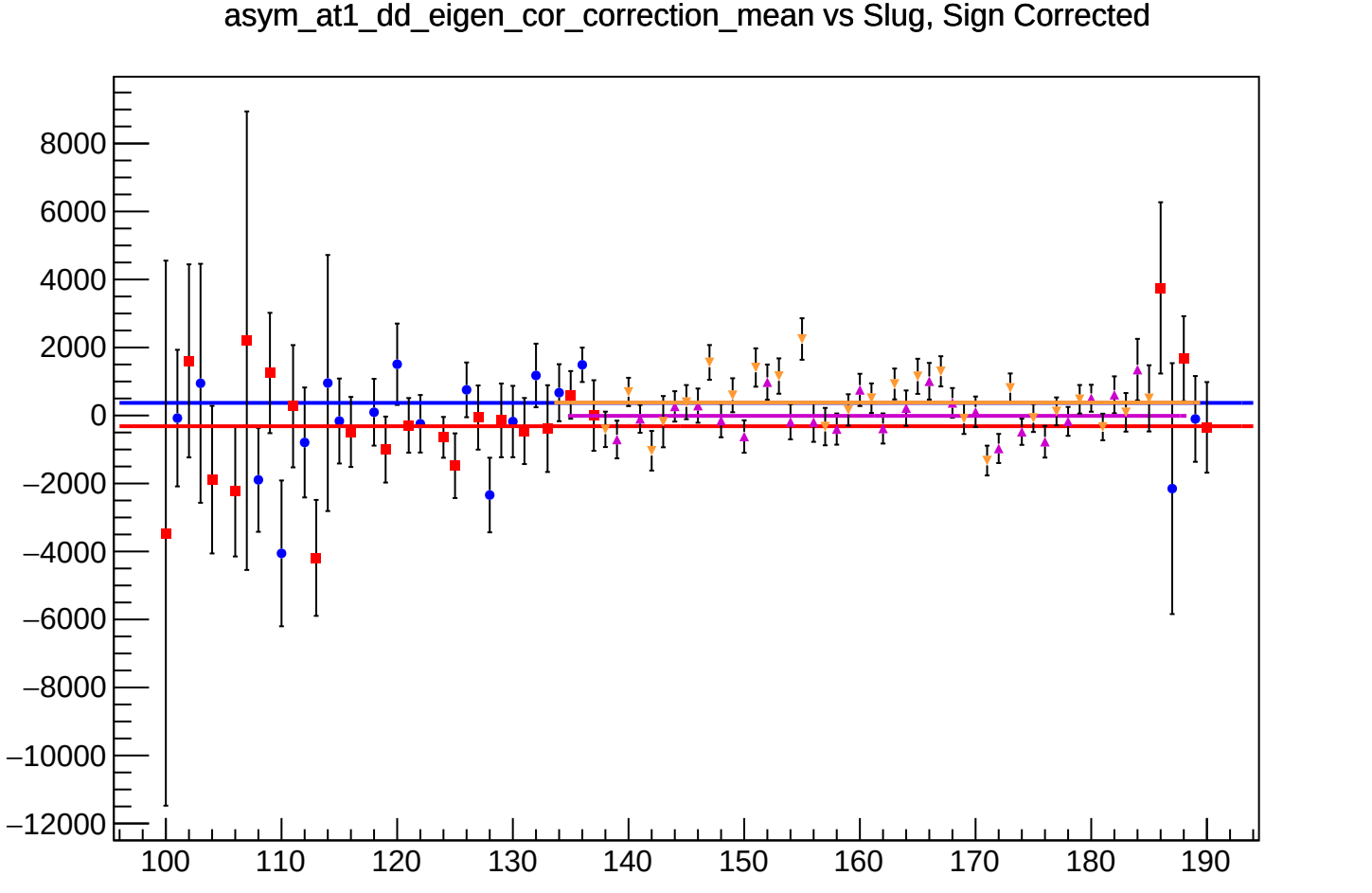
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1940.471+/-0.338 χ^2/NDF: 1039292.8/39

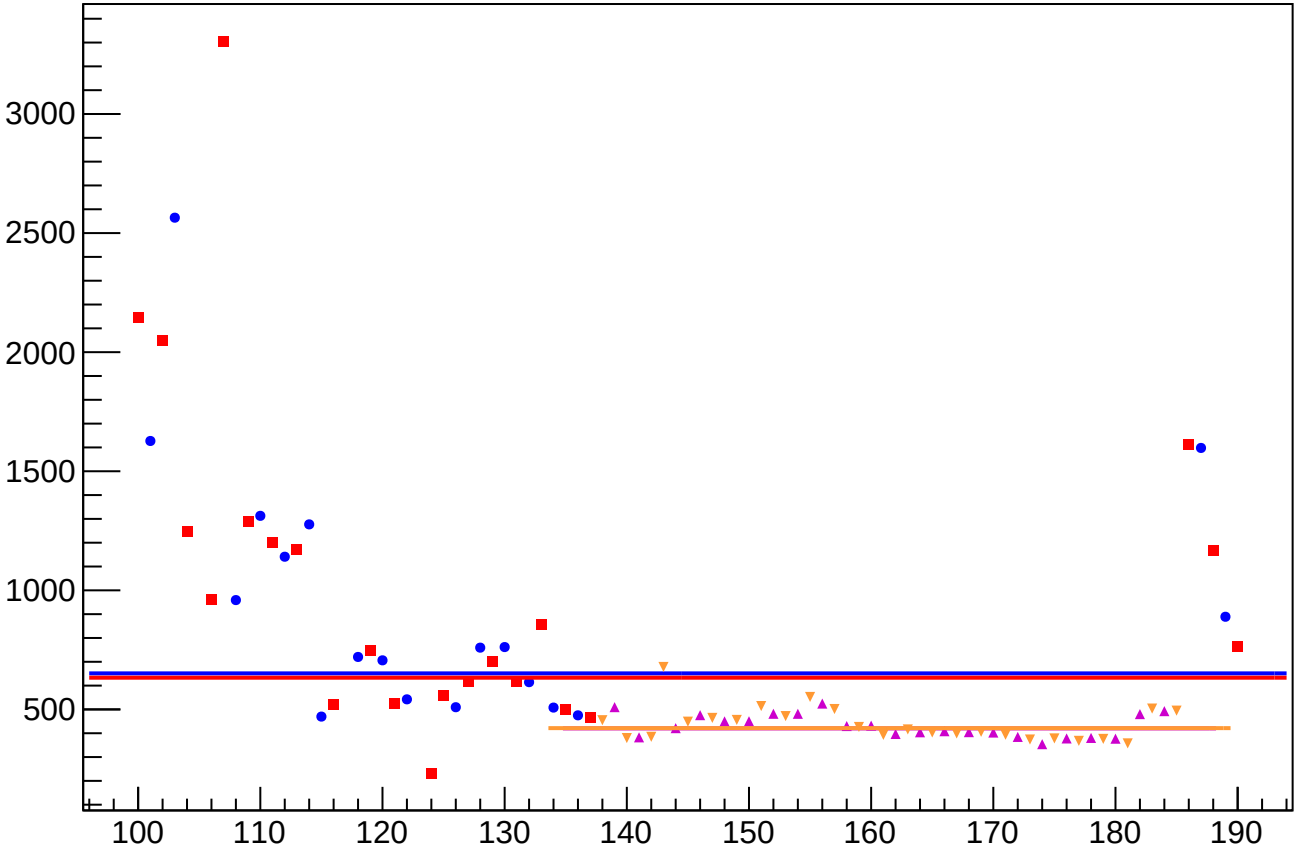
In: 1840.331+/-0.255 χ^2/NDF:684933.0/40

Out: 1854.882+/-0.247 χ^2/NDF:471740.0/46

All: 1847.850+/-0.178 χ^2/NDF: 1158350.6/87


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 370.505+/-252.704 χ²/NDF: 21.8/17
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -315.935+/-242.370 χ²/NDF: 17.7/21
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 12.963+/-174.921 χ²/NDF: 43.3/39
In: 39.272+/-92.159 χ²/NDF:54.9/40
Out: 283.331+/-90.067 χ²/NDF:87.1/46
All: 164.103+/-64.414 χ²/NDF: 145.6/87

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.331+/-0.179 χ^2/NDF: 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 633.216+/-0.171 χ^2/NDF: 3655979.6/21

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

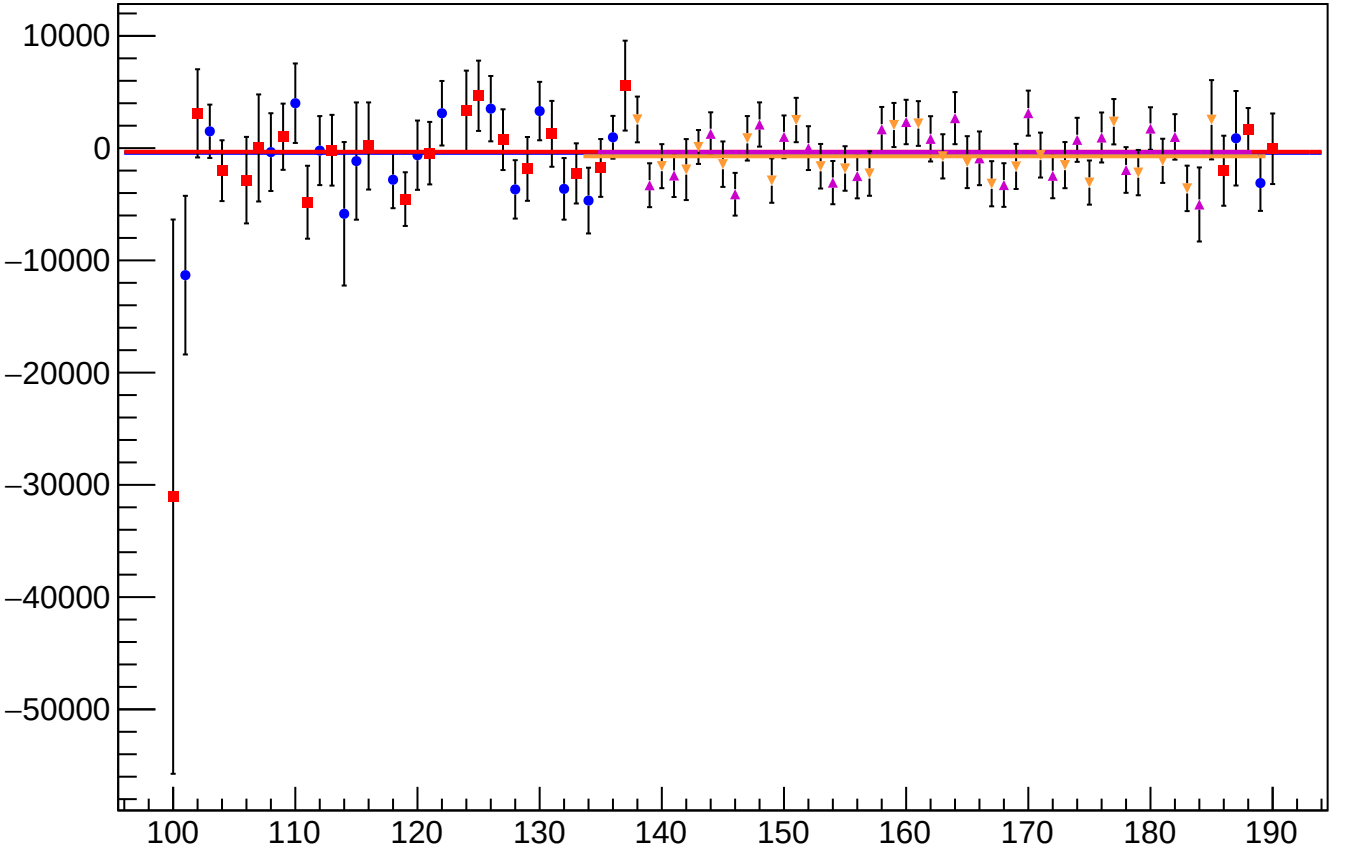
Right: 641.896+/-0.124 χ^2/NDF: 5936389.7/39

In: 450.956+/-0.065 χ^2/NDF:4138585.3/40

Out: 450.667+/-0.064 χ^2/NDF:5715303.5/46

All: 450.808+/-0.046 χ^2/NDF: 9853898.9/87

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.415+/-695.814 χ^2/NDF: 18.5/17

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -325.585+/-649.471 χ^2/NDF: 17.0/21

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

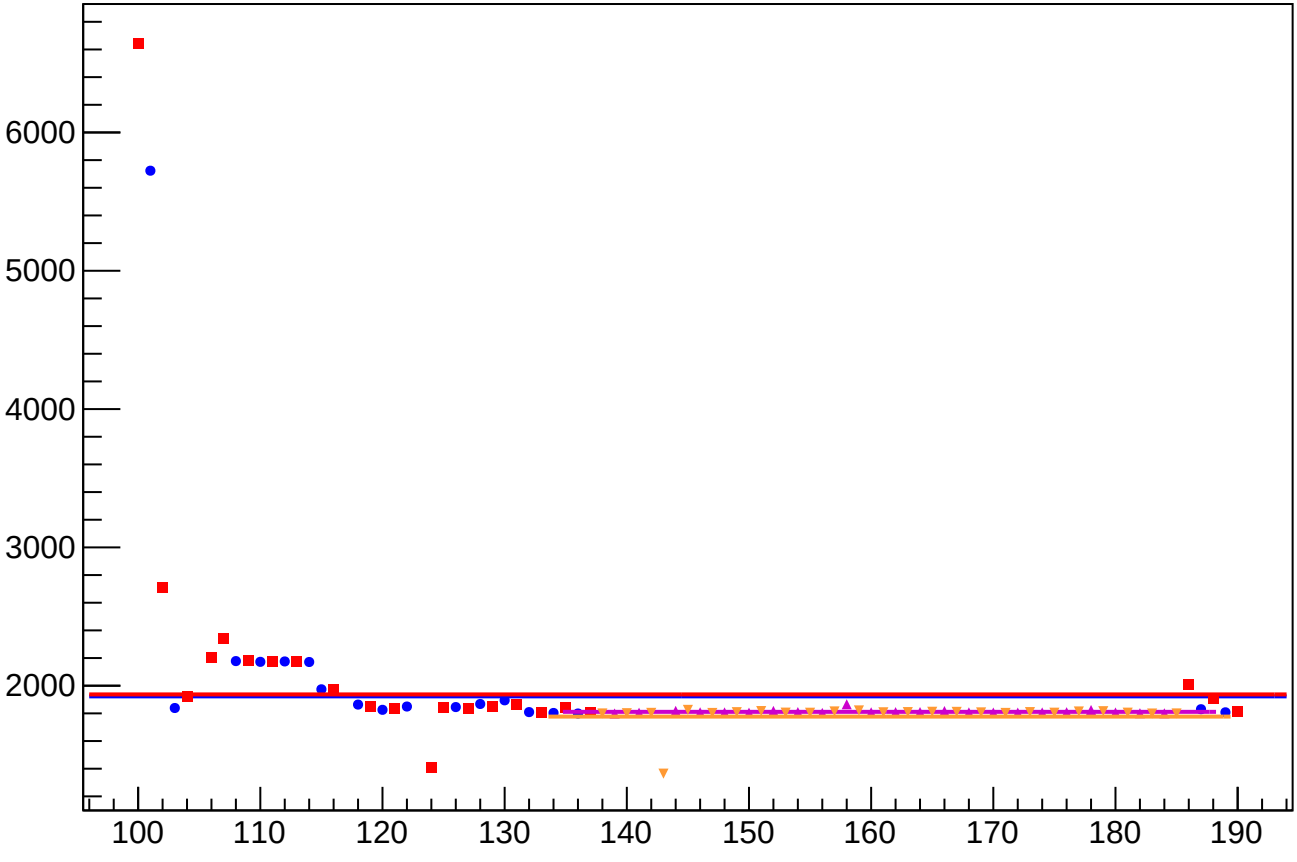
Right: -368.341+/-474.784 χ^2/NDF: 35.4/39

In: -361.773+/-361.362 χ^2/NDF:48.1/40

Out: -613.061+/-343.302 χ^2/NDF:39.5/46

All: -493.853+/-248.891 χ^2/NDF: 87.8/87

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1922.994+/-0.492 χ^2/NDF: 645723.5/17

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1937.118+/-0.459 χ^2/NDF: 281248.4/21

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

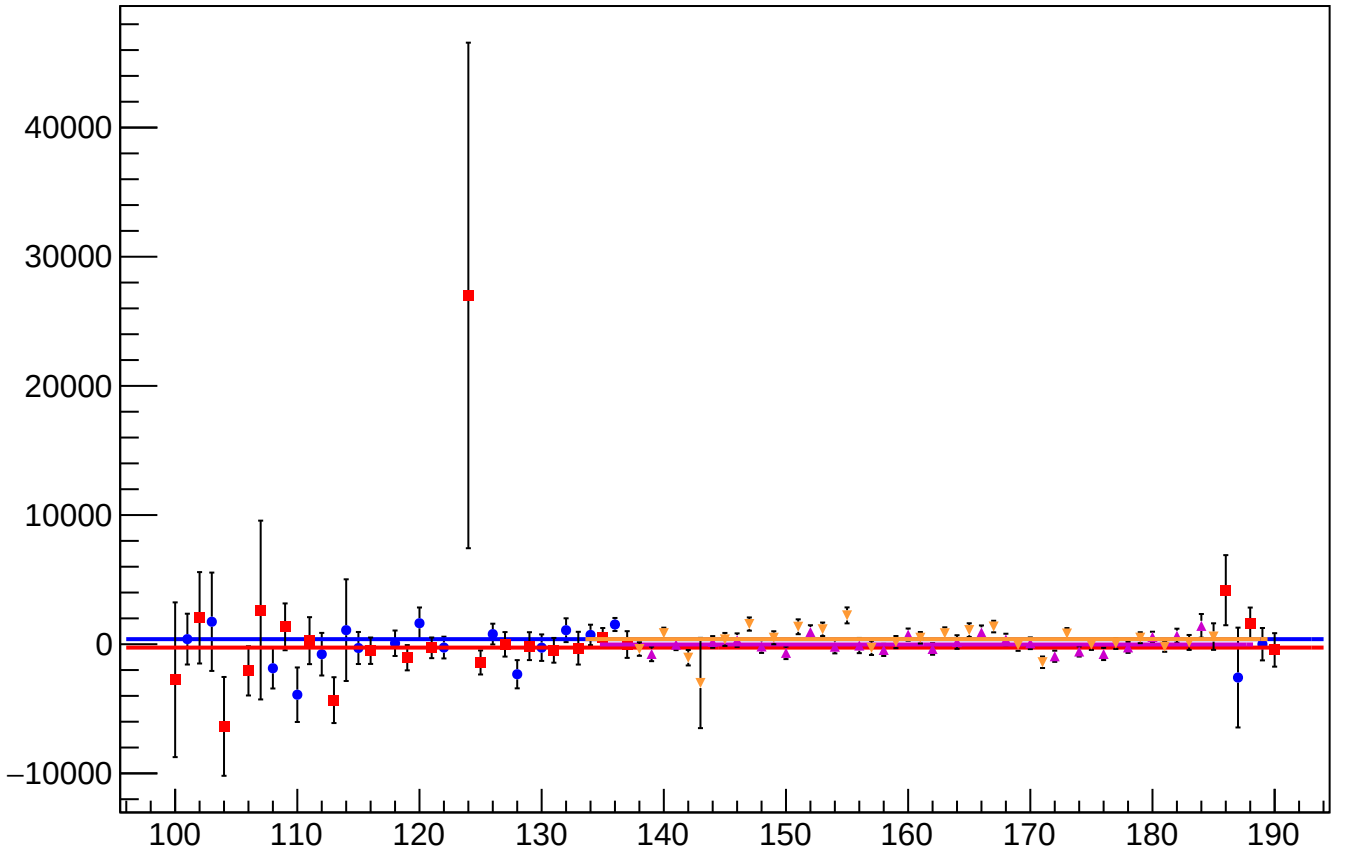
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1930.542+/-0.336 χ^2/NDF: 927412.4/39

In: 1841.267+/-0.256 χ^2/NDF:685470.1/40

Out: 1821.537+/-0.243 χ^2/NDF:530444.6/46

All: 1830.896+/-0.176 χ^2/NDF: 1219048.5/87



Right In: 391.674+/-250.999 χ^2/NDF: 22.2/17

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -261.869+/-265.673 χ^2/NDF: 21.0/21

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

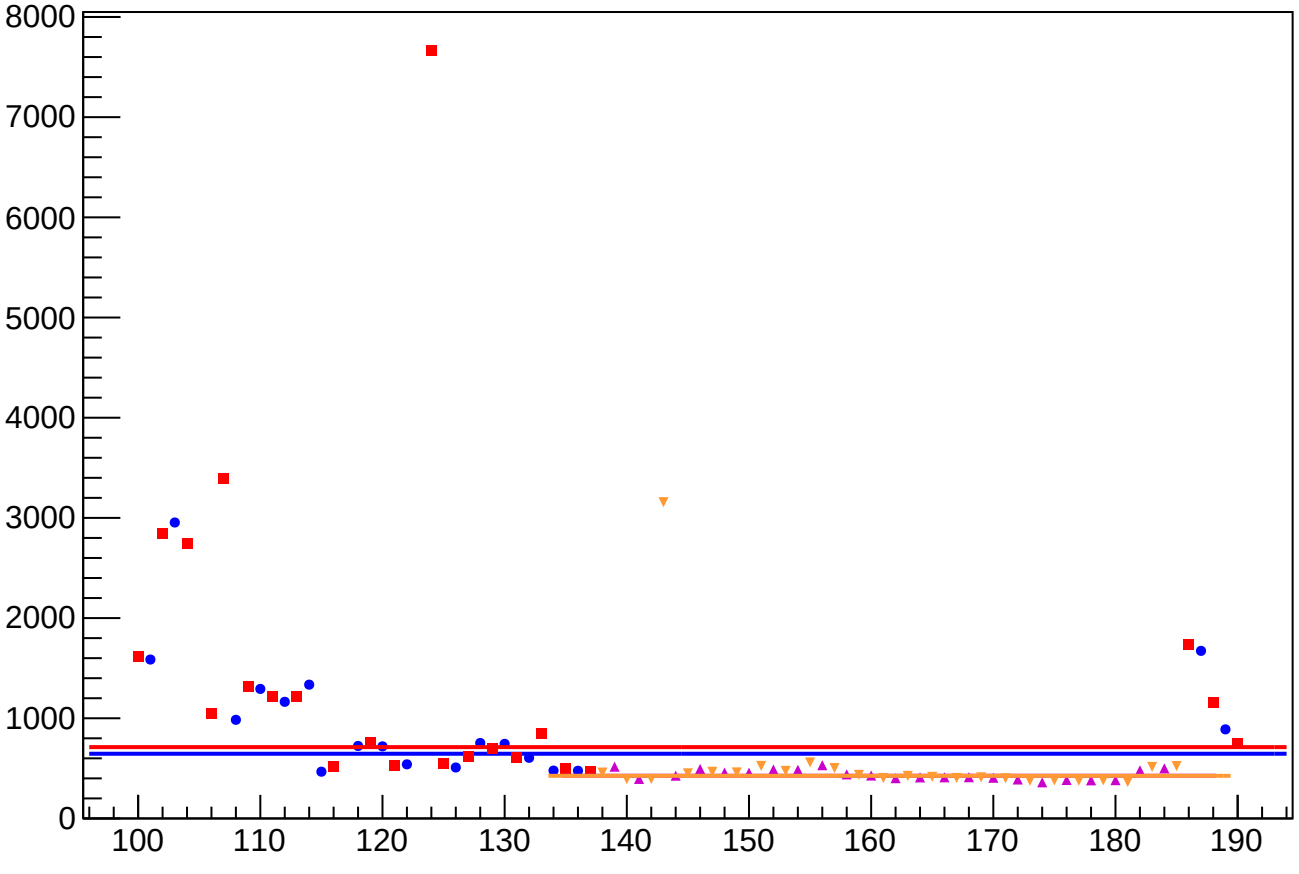
Right: 83.449+/-182.450 χ^2/NDF: 46.4/39

In: 35.398+/-93.110 χ^2/NDF:55.4/40

Out: 317.544+/-92.904 χ^2/NDF:86.9/46

All: 176.783+/-65.766 χ^2/NDF: 146.9/87

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 645.880+/-0.177 χ^2/NDF: 2457666.9/17

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 711.998+/-0.188 χ^2/NDF: 3648279.0/21

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

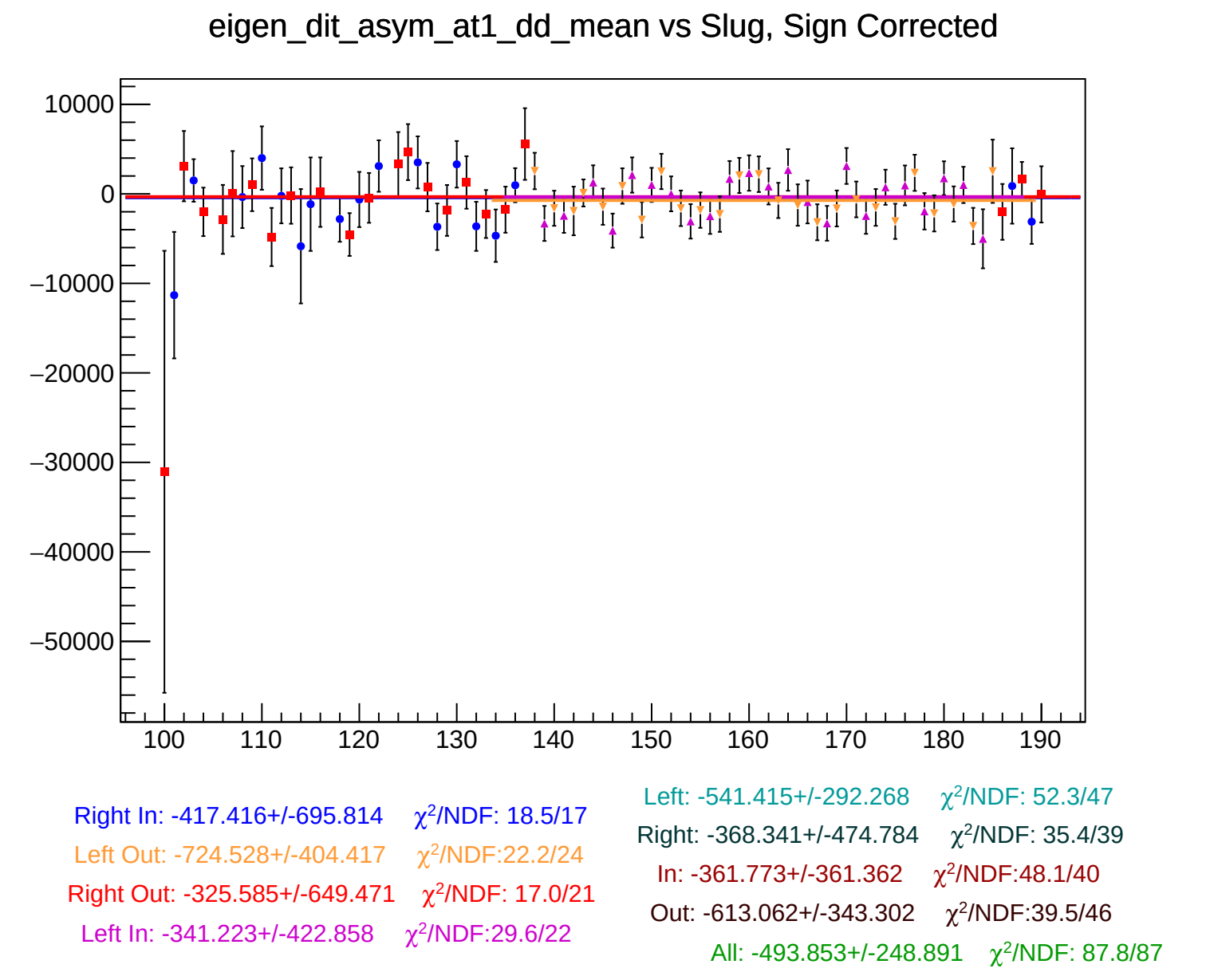
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

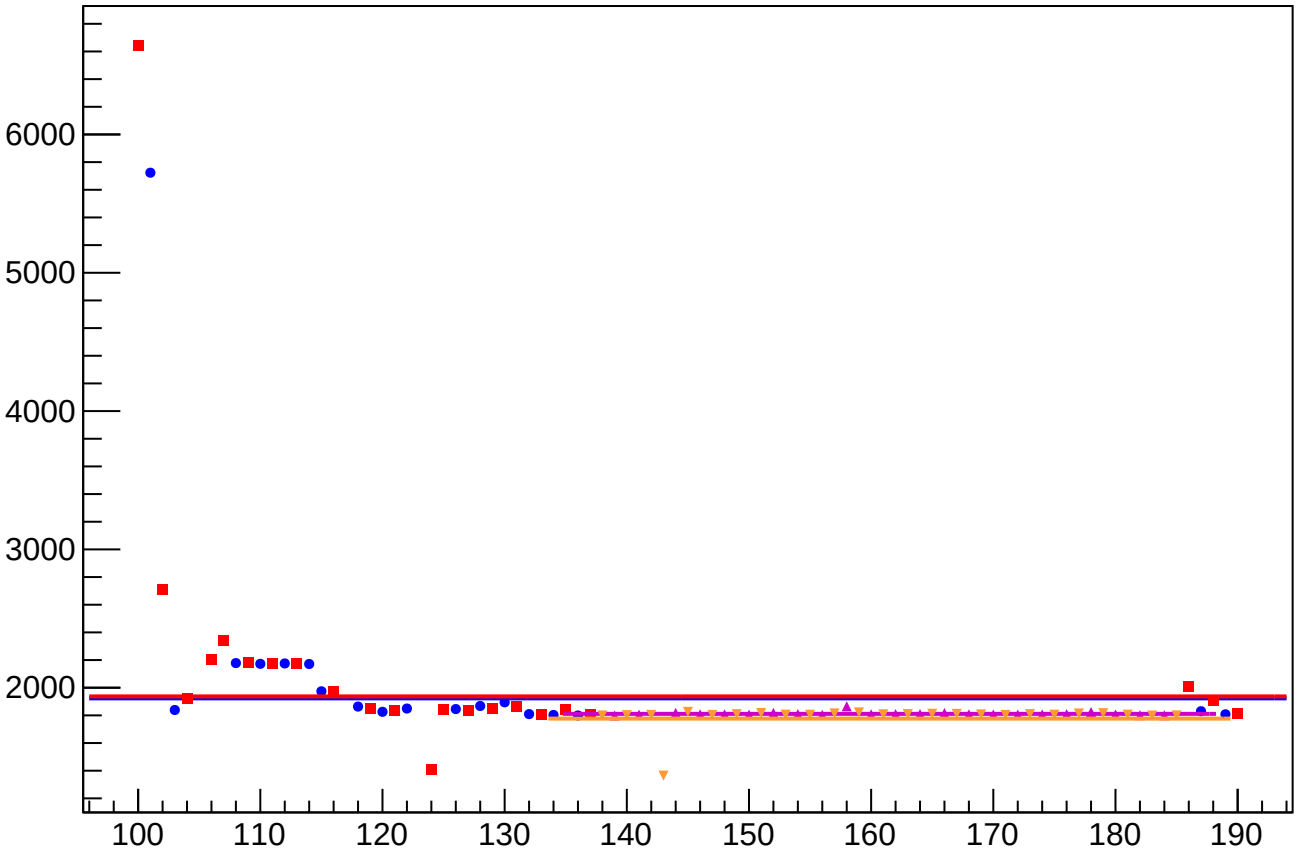
Right: 677.063+/-0.129 χ^2/NDF: 6171397.0/39

In: 456.382+/-0.066 χ^2/NDF:4194959.0/40

Out: 460.707+/-0.066 χ^2/NDF:7405042.7/46

All: 458.549+/-0.047 χ^2/NDF: 11602164.0/87


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -417.416+/-695.814 χ²/NDF: 18.5/17
Left Out: -724.528+/-404.417 χ²/NDF:22.2/24
Right Out: -325.585+/-649.471 χ²/NDF: 17.0/21
Left In: -341.223+/-422.858 χ²/NDF:29.6/22
Left: -541.415+/-292.268 χ²/NDF: 52.3/47
Right: -368.341+/-474.784 χ²/NDF: 35.4/39
In: -361.773+/-361.362 χ²/NDF:48.1/40
Out: -613.062+/-343.302 χ²/NDF:39.5/46
All: -493.853+/-248.891 χ²/NDF: 87.8/87



Right In: 1922.994+/-0.492 χ^2/NDF: 645723.6/17

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1937.118+/-0.459 χ^2/NDF: 281248.3/21

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

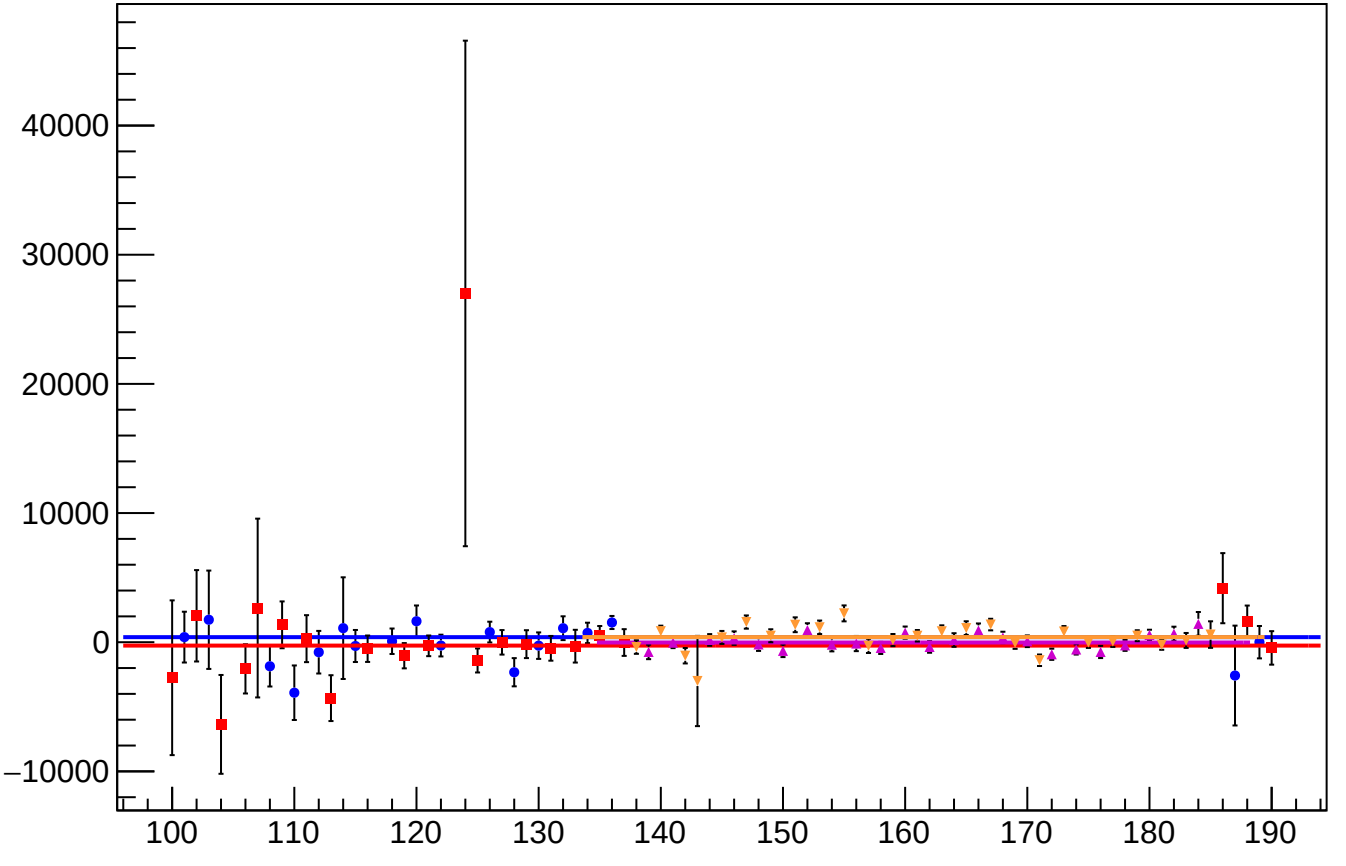
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1930.542+/-0.336 χ^2/NDF: 927412.3/39

In: 1841.267+/-0.256 χ^2/NDF:685470.1/40

Out: 1821.537+/-0.243 χ^2/NDF:530444.4/46

All: 1830.896+/-0.176 χ^2/NDF: 1219048.3/87



Right In: 391.673+/-250.999 χ^2/NDF: 22.2/17

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -261.869+/-265.673 χ^2/NDF: 21.0/21

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

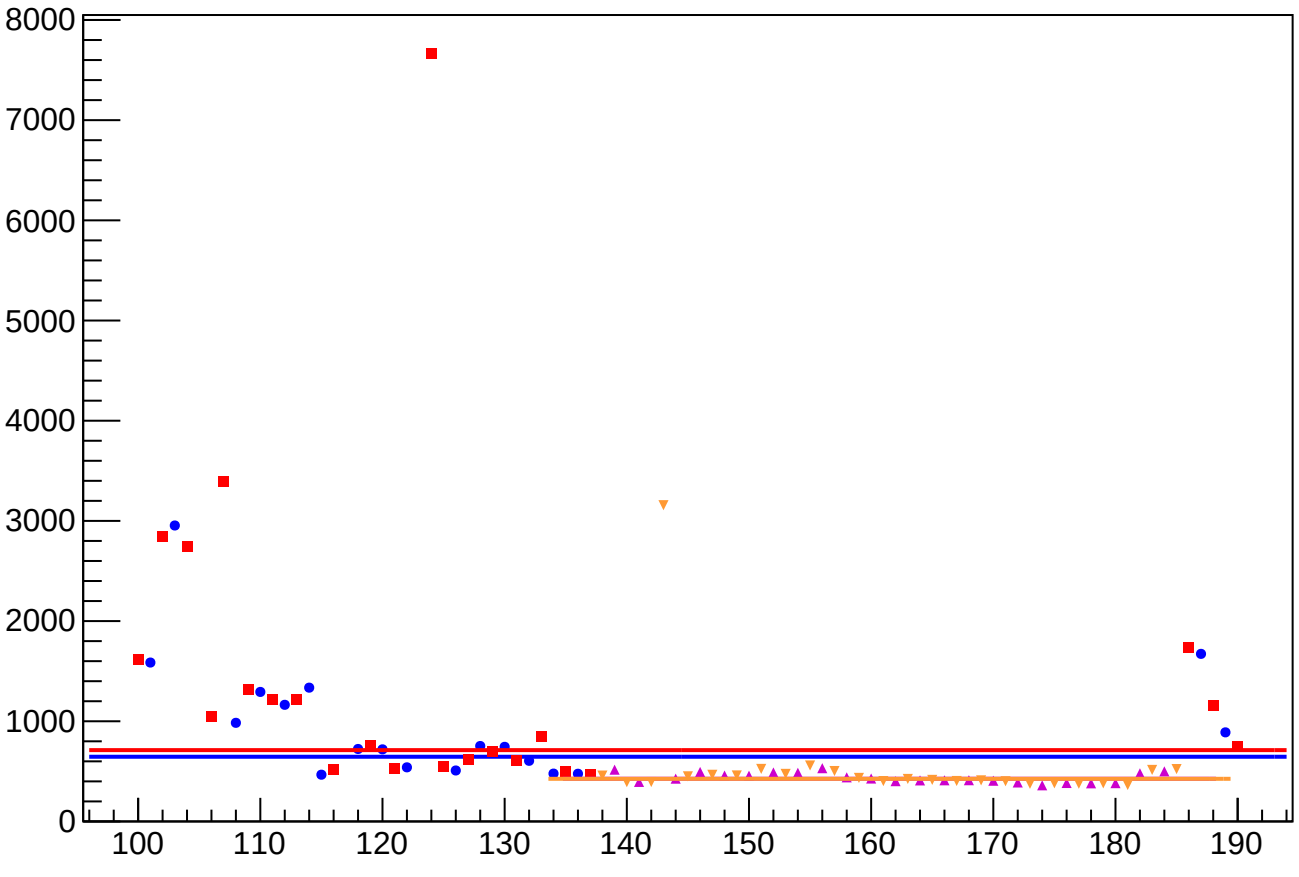
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 83.448+/-182.450 χ^2/NDF: 46.4/39

In: 35.398+/-93.110 χ^2/NDF:55.4/40

Out: 317.543+/-92.904 χ^2/NDF:86.9/46

All: 176.783+/-65.766 χ^2/NDF: 146.9/87



Right In: 645.880+/-0.177 χ^2/NDF: 2457666.2/17

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 711.998+/-0.188 χ^2/NDF: 3648281.1/21

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

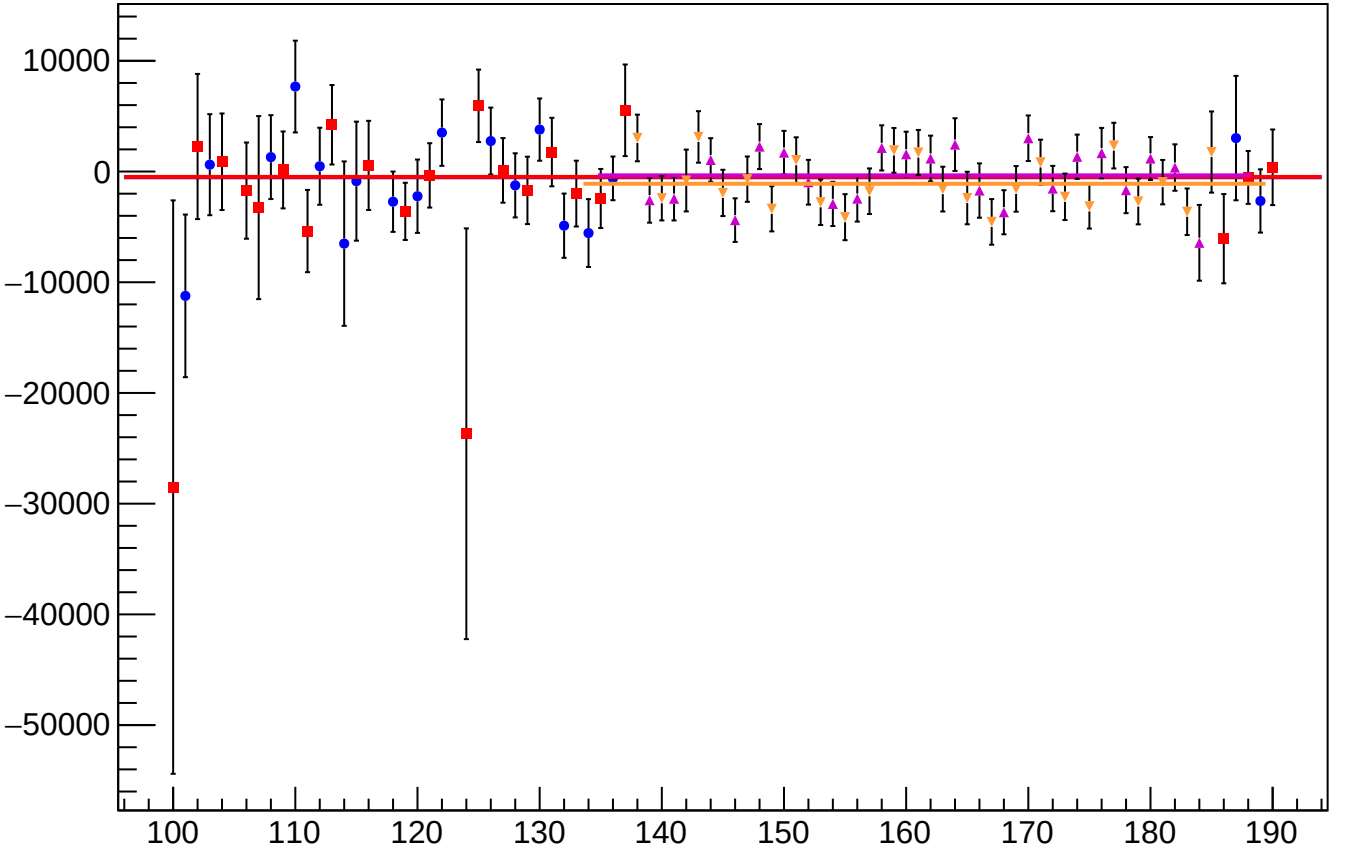
Right: 677.063+/-0.129 χ^2/NDF: 6171398.3/39

In: 456.382+/-0.066 χ^2/NDF:4194962.2/40

Out: 460.707+/-0.066 χ^2/NDF:7405049.3/46

All: 458.549+/-0.047 χ^2/NDF: 11602173.7/87

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -517.341+/-776.569 χ^2/NDF: 19.3/17

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -485.902+/-751.993 χ^2/NDF: 17.7/21

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

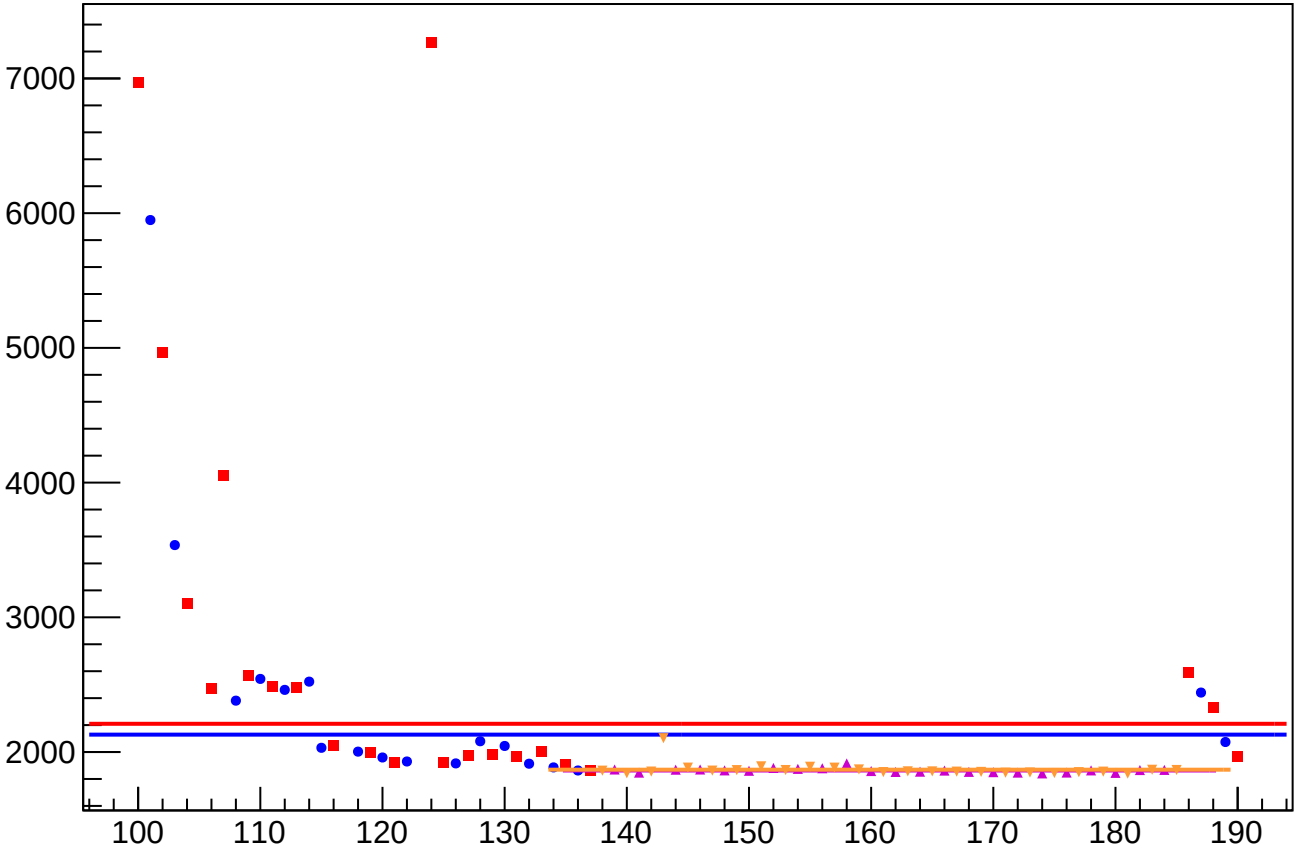
Right: -501.116+/-540.219 χ^2/NDF: 37.0/39

In: -387.627+/-379.480 χ^2/NDF:48.1/40

Out: -955.913+/-369.765 χ^2/NDF:46.2/46

All: -679.137+/-264.831 χ^2/NDF: 95.5/87

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2129.162+/-0.549 χ^2/NDF: 882000.5/17

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2209.610+/-0.532 χ^2/NDF: 976329.4/21

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

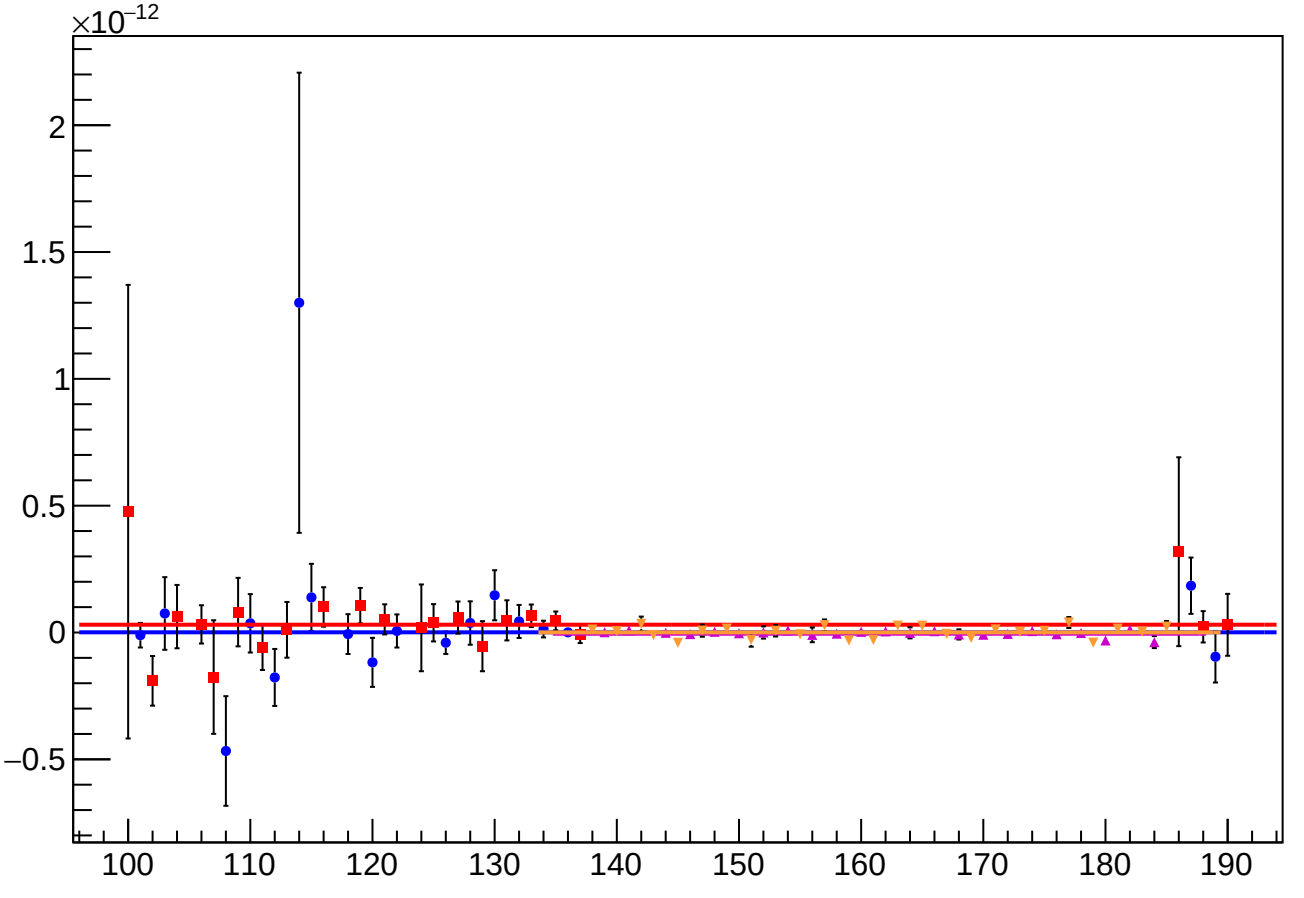
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2170.679+/-0.382 χ^2/NDF: 1869406.9/39

In: 1926.426+/-0.268 χ^2/NDF:1063786.4/40

Out: 1951.309+/-0.261 χ^2/NDF:1310861.9/46

All: 1939.190+/-0.187 χ^2/NDF: 2379059.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/21

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

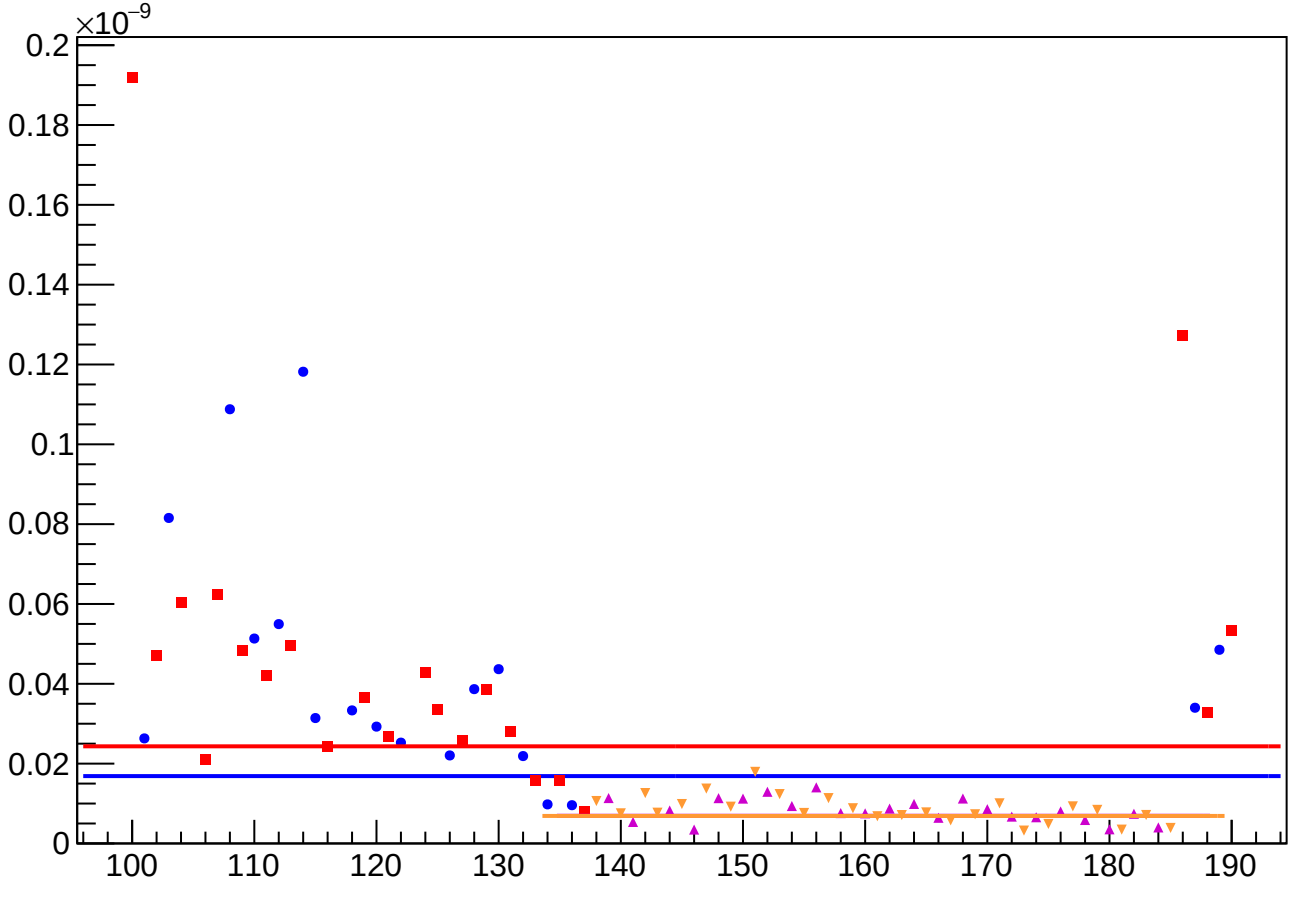
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

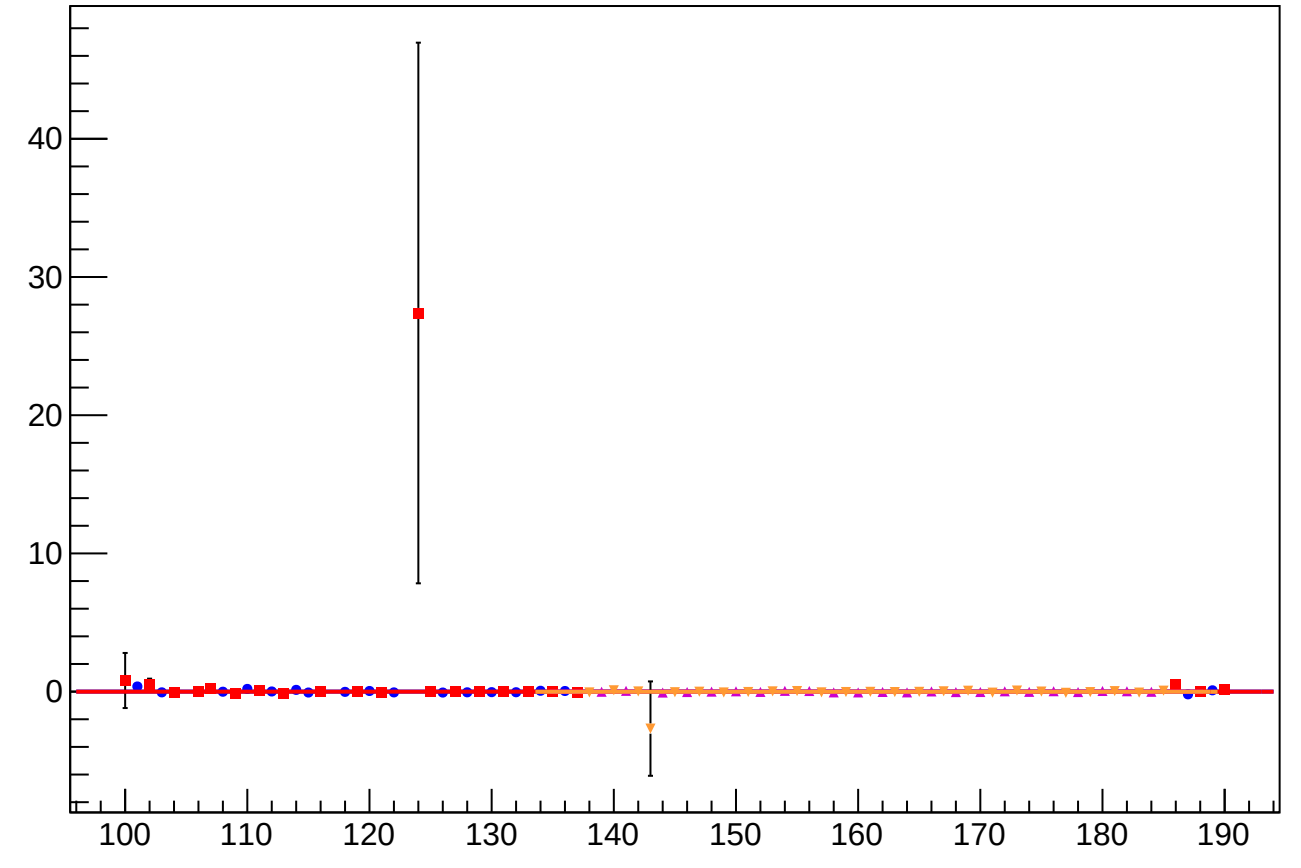
Right: 0.000+/-0.000 χ^2/NDF: 35.2/39

In: -0.000+/-0.000 χ^2/NDF:37.3/40

Out: 0.000+/-0.000 χ^2/NDF:59.0/46

All: -0.000+/-0.000 χ^2/NDF: 98.4/87


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2533650.8/17
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1726871.3/21
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 4565421.2/39
In: 0.000+/-0.000 χ²/NDF:5360531.6/40
Out: 0.000+/-0.000 χ²/NDF:6137602.2/46
All: 0.000+/-0.000 χ²/NDF: 11498259.1/87



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.003+/-0.014 χ^2/NDF: 22.8/21

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

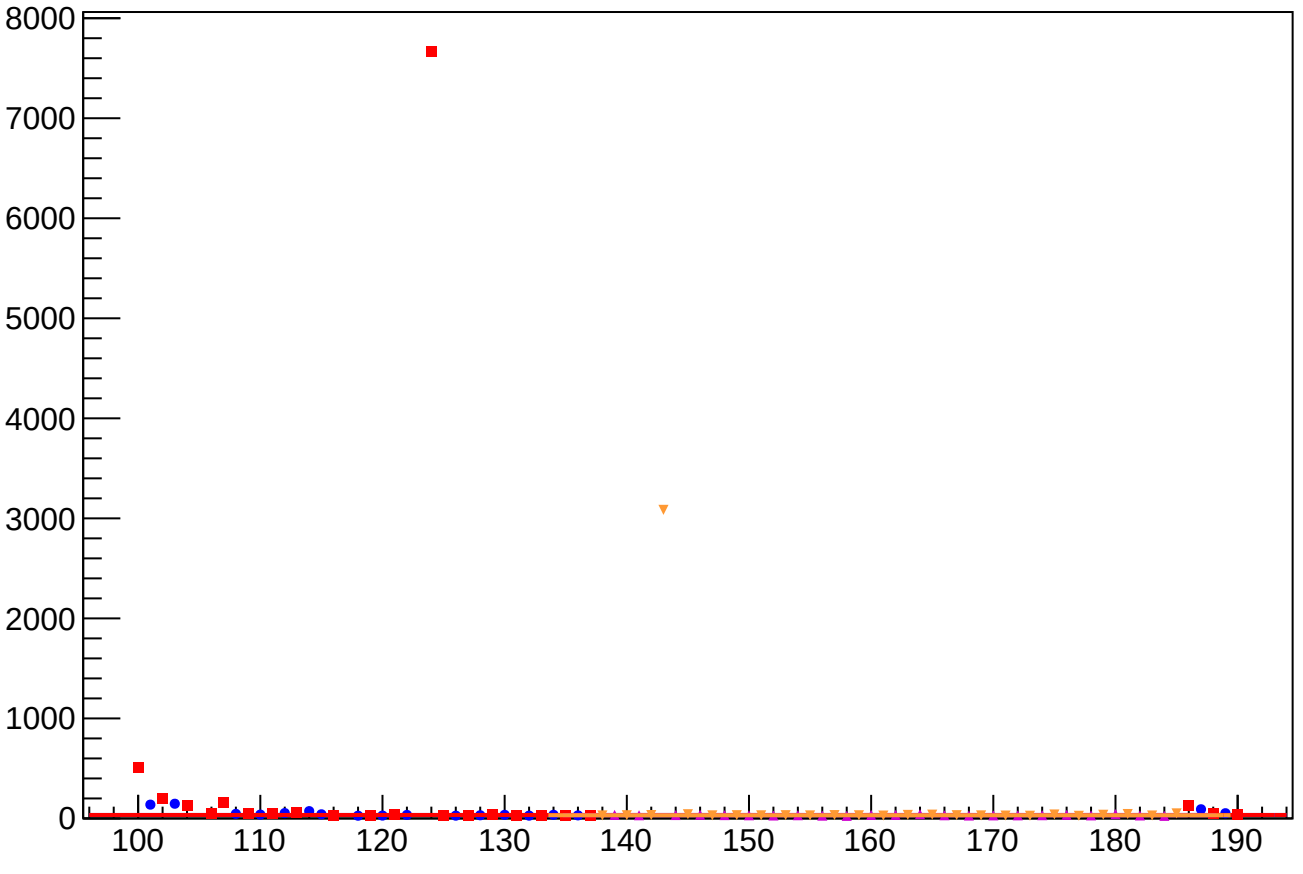
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: 0.000+/-0.010 χ^2/NDF: 46.0/39

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.008+/-0.007 χ^2/NDF:62.5/46

All: -0.005+/-0.005 χ^2/NDF: 107.0/87



Right In: 34.871+/-0.010 χ^2/NDF: 1952048.5/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 34.879+/-0.010 χ^2/NDF: 2703088.7/21

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

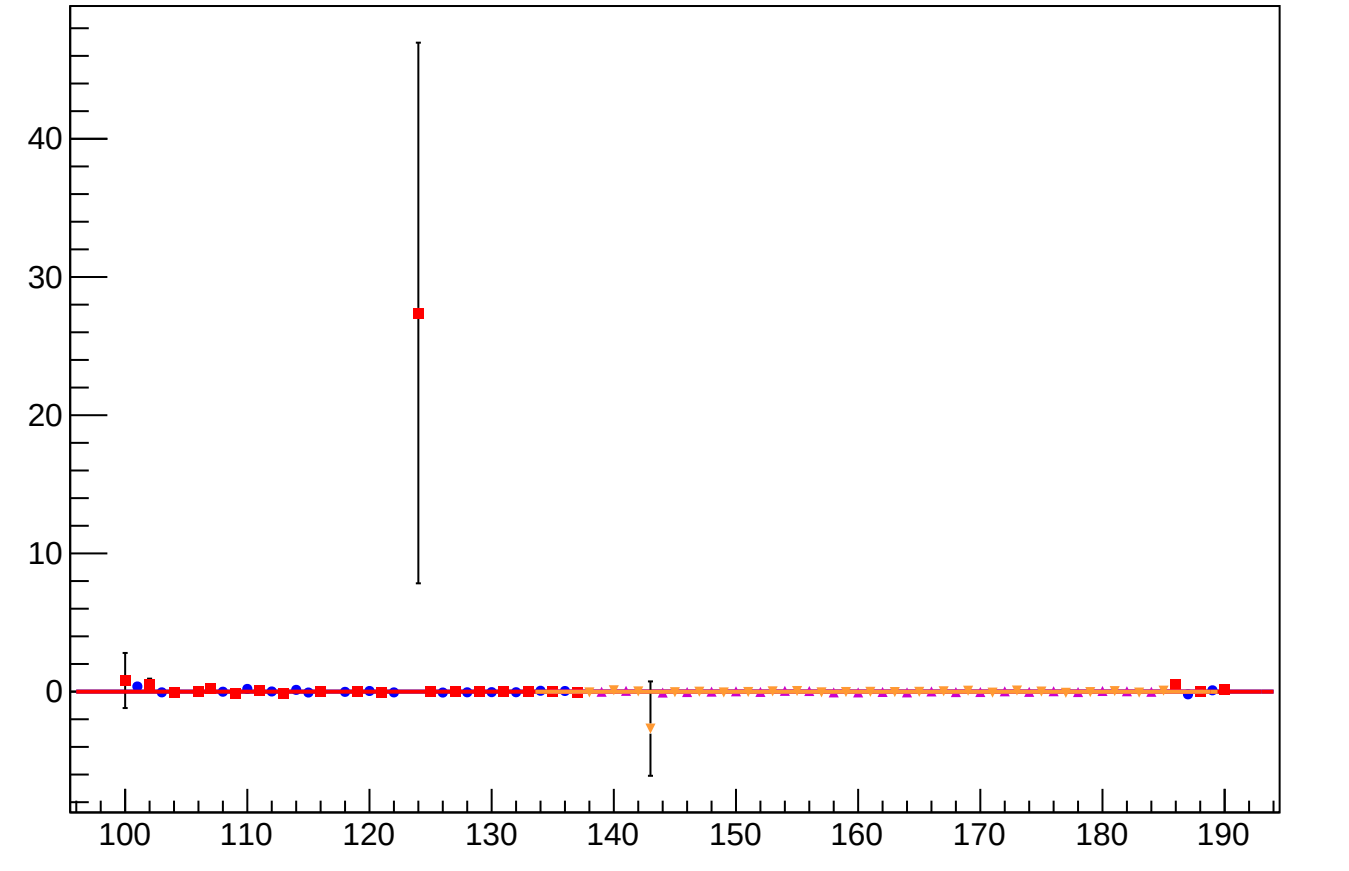
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 34.875+/-0.007 χ^2/NDF: 4655137.5/39

In: 33.025+/-0.005 χ^2/NDF:2421162.8/40

Out: 32.936+/-0.005 χ^2/NDF:4874574.1/46

All: 32.980+/-0.004 χ^2/NDF: 7295891.4/87



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.003+/-0.014 χ^2/NDF: 22.8/21

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

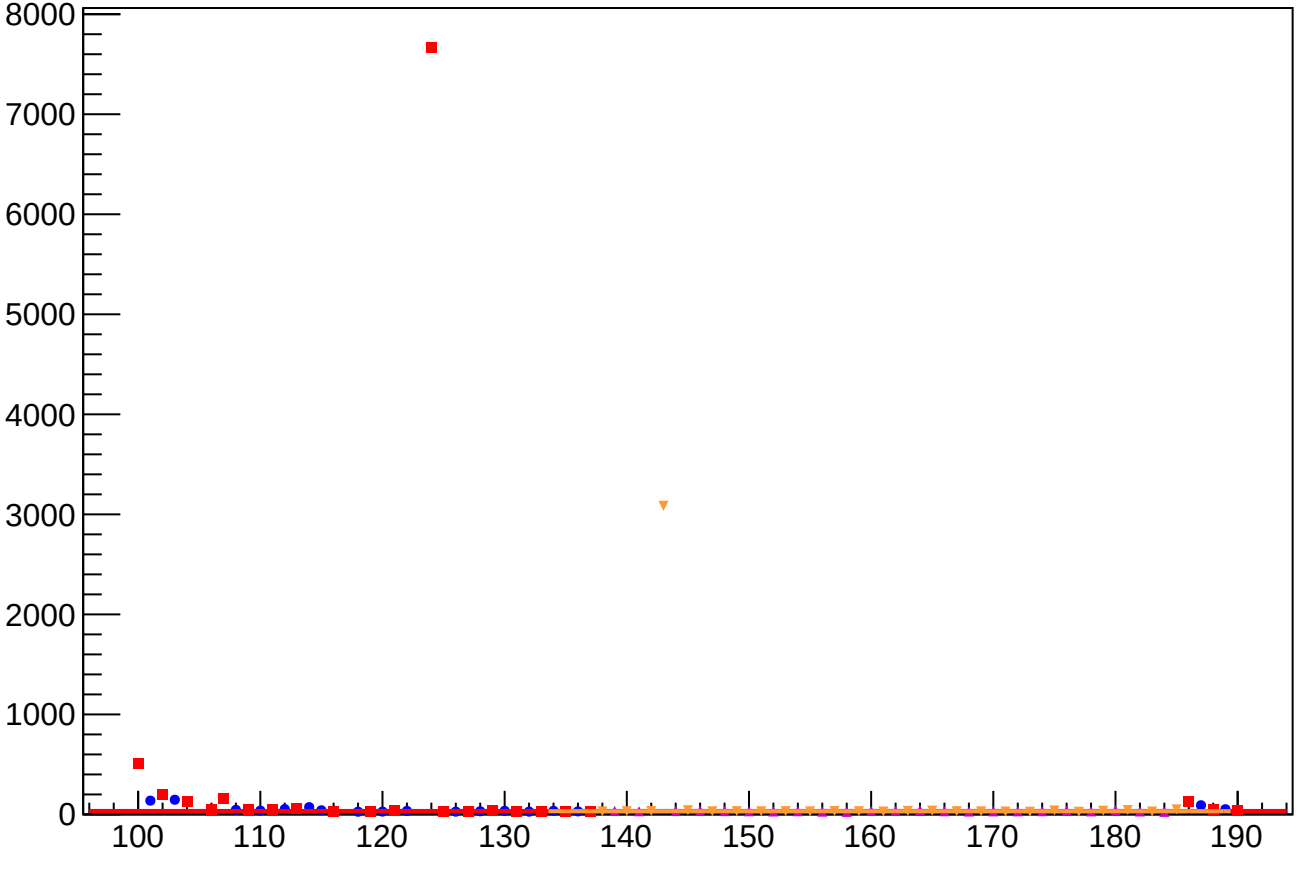
Right: 0.000+/-0.010 χ^2/NDF: 46.0/39

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.008+/-0.007 χ^2/NDF:62.5/46

All: -0.005+/-0.005 χ^2/NDF: 107.0/87

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.871+/-0.010 χ^2/NDF: 1952048.5/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 34.879+/-0.010 χ^2/NDF: 2703088.7/21

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

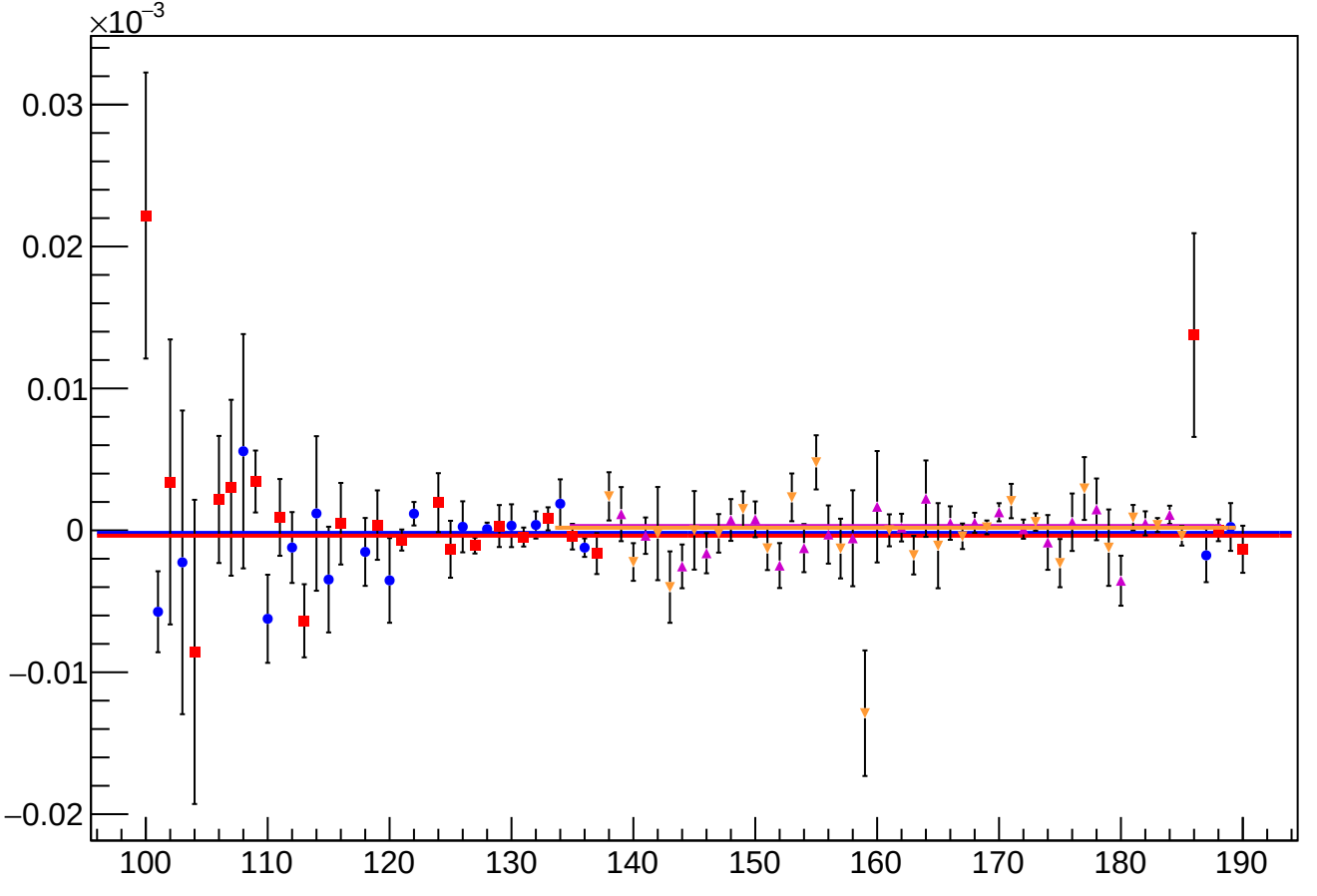
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 34.875+/-0.007 χ^2/NDF: 4655137.5/39

In: 33.025+/-0.005 χ^2/NDF:2421162.8/40

Out: 32.936+/-0.005 χ^2/NDF:4874574.1/46

All: 32.980+/-0.004 χ^2/NDF: 7295891.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/21

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

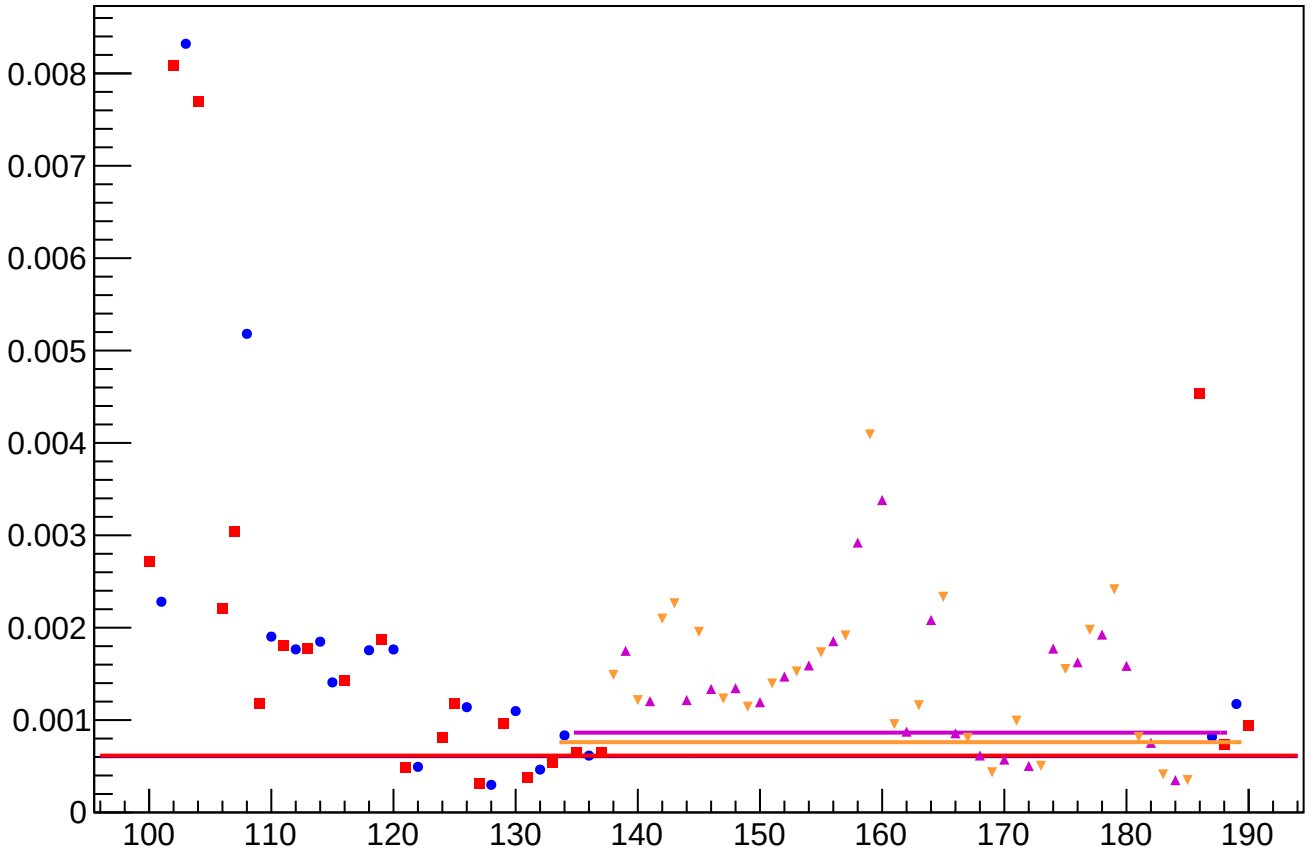
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.3/39

In: 0.000+/-0.000 χ^2/NDF:40.9/40

Out: -0.000+/-0.000 χ^2/NDF:66.3/46

All: 0.000+/-0.000 χ^2/NDF: 107.5/87



Right In: 0.001+/-0.000 χ^2/NDF: 5747783.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6178323.5/21

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

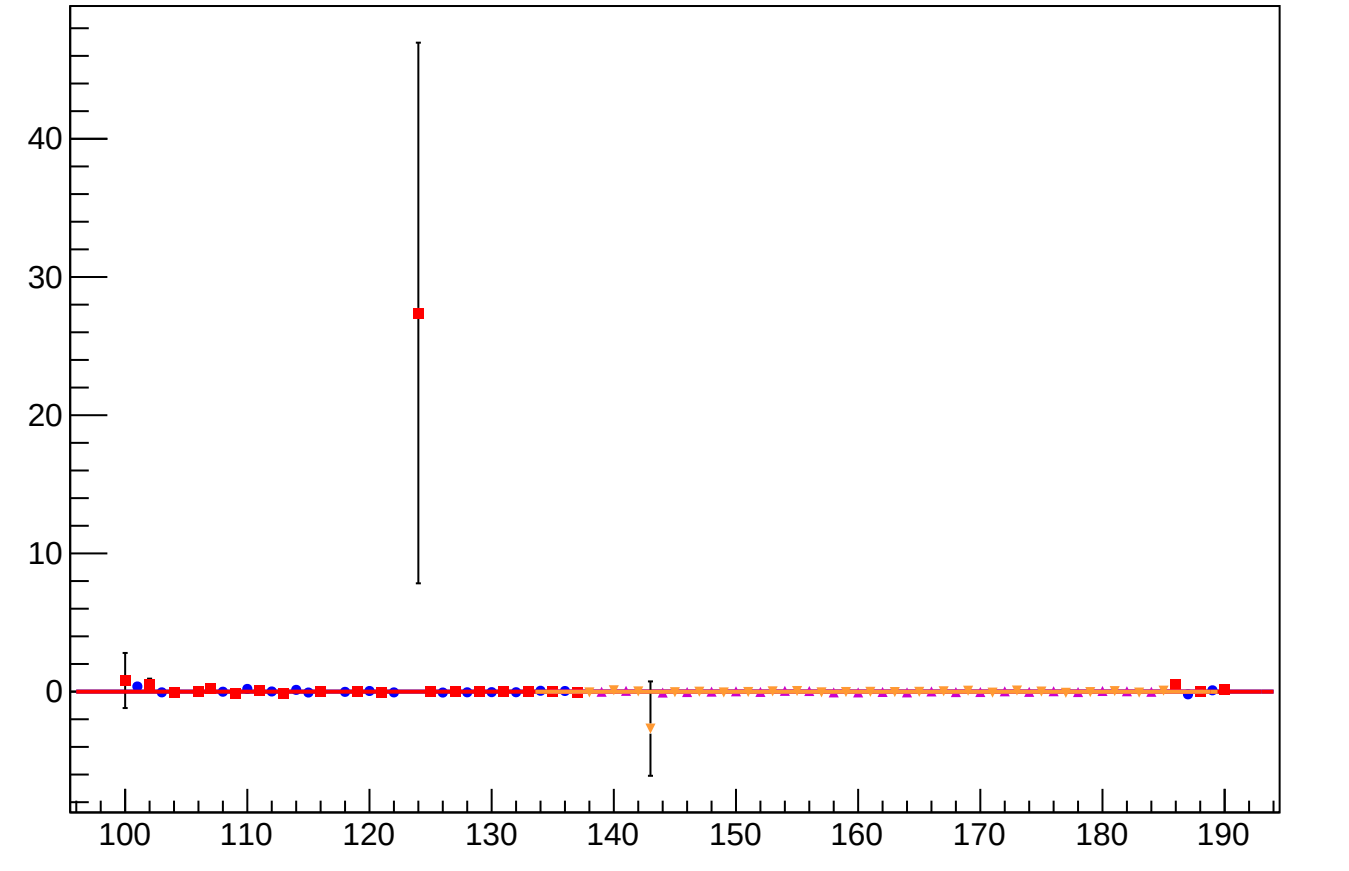
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.001+/-0.000 χ^2/NDF: 11926667.9/39

In: 0.001+/-0.000 χ^2/NDF:15122864.7/40

Out: 0.001+/-0.000 χ^2/NDF:17633167.0/46

All: 0.001+/-0.000 χ^2/NDF: 32856007.9/87



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.003+/-0.014 χ^2/NDF: 22.8/21

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

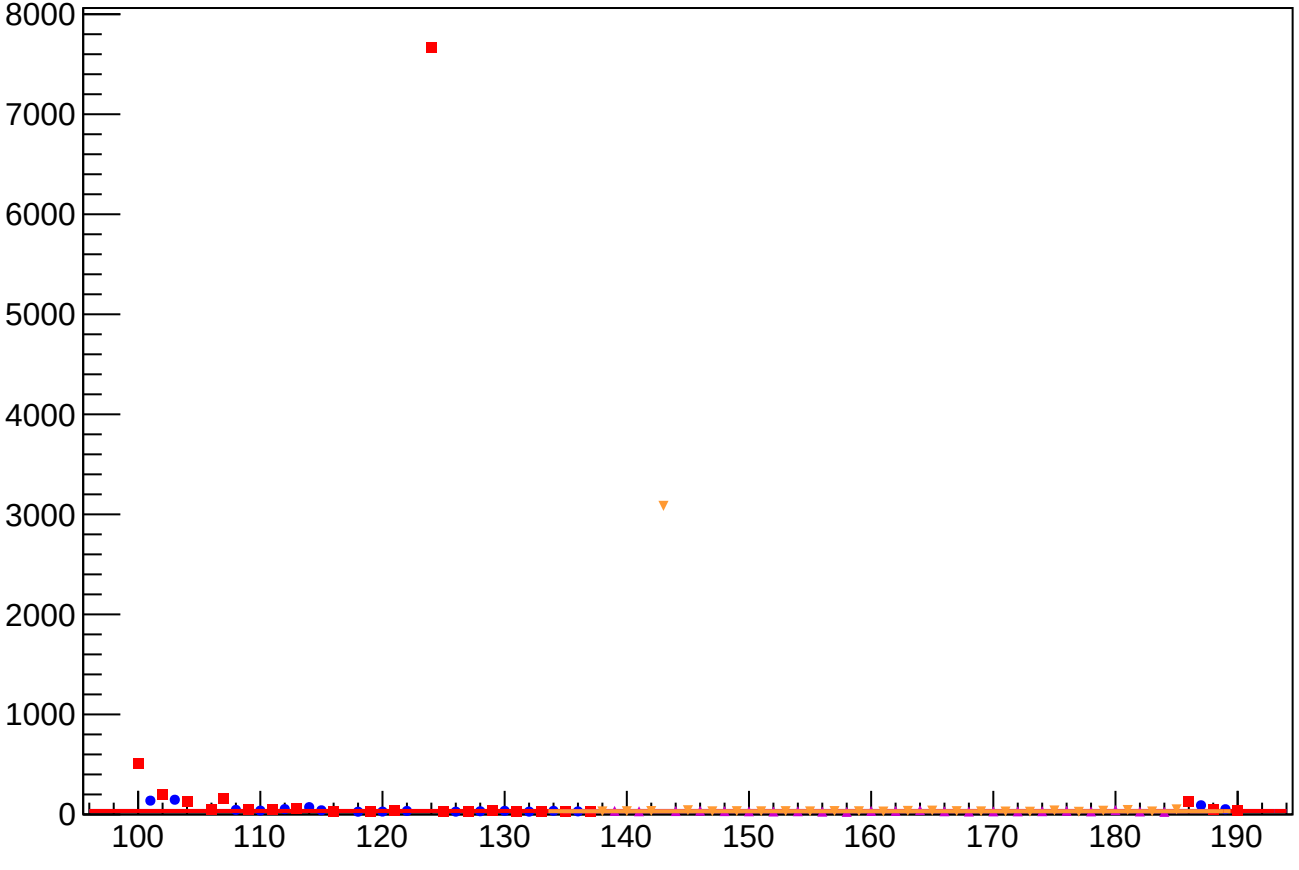
Right: 0.000+/-0.010 χ^2/NDF: 46.0/39

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.008+/-0.007 χ^2/NDF:62.5/46

All: -0.005+/-0.005 χ^2/NDF: 107.0/87

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.871+/-0.010 χ^2/NDF: 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.879+/-0.010 χ^2/NDF: 2703079.1/21

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

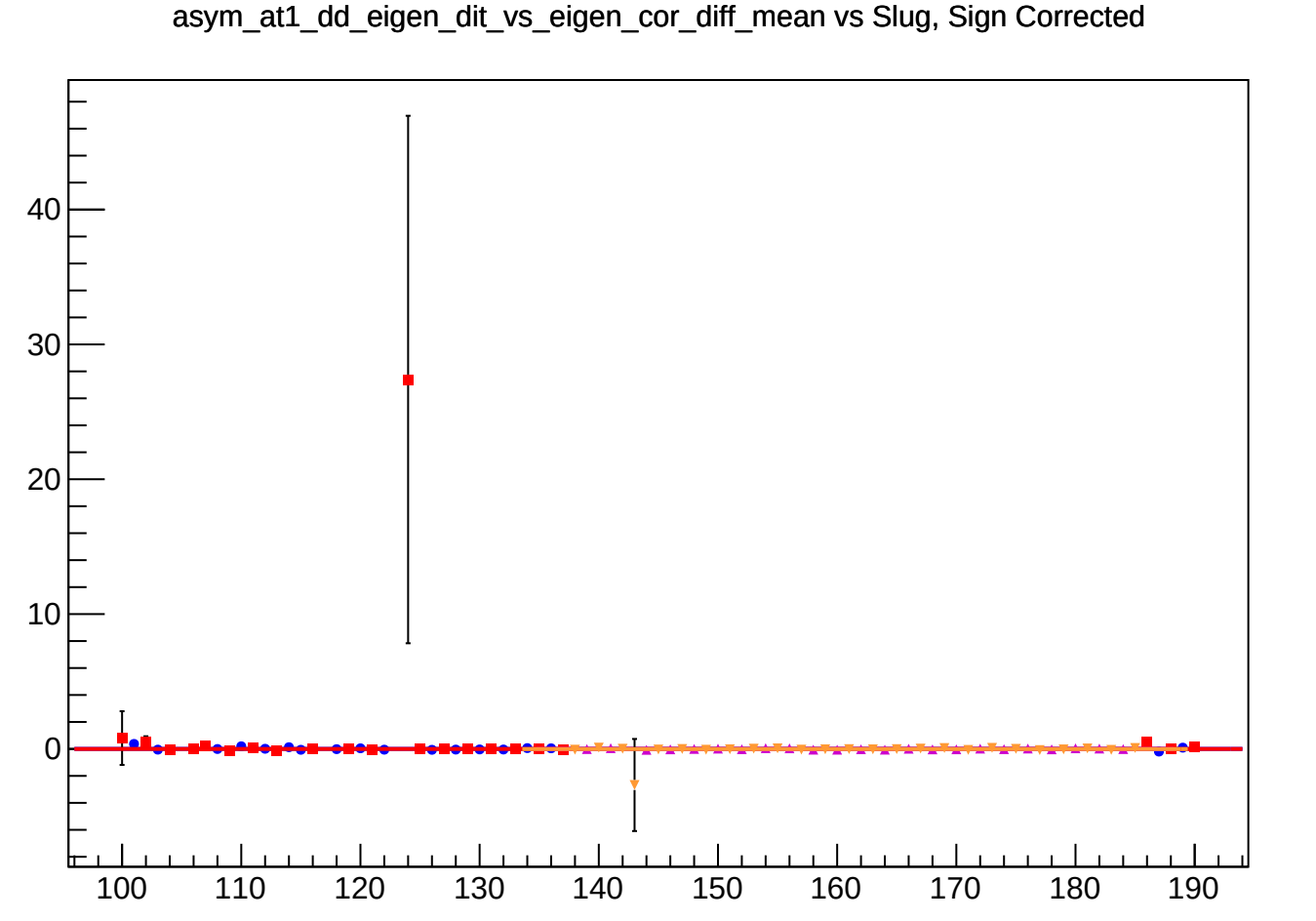
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 34.875+/-0.007 χ^2/NDF: 4655116.5/39

In: 33.025+/-0.005 χ^2/NDF:2421060.4/40

Out: 32.936+/-0.005 χ^2/NDF:4874606.2/46

All: 32.980+/-0.004 χ^2/NDF: 7295822.1/87



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.003+/-0.014 χ^2/NDF: 22.8/21

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

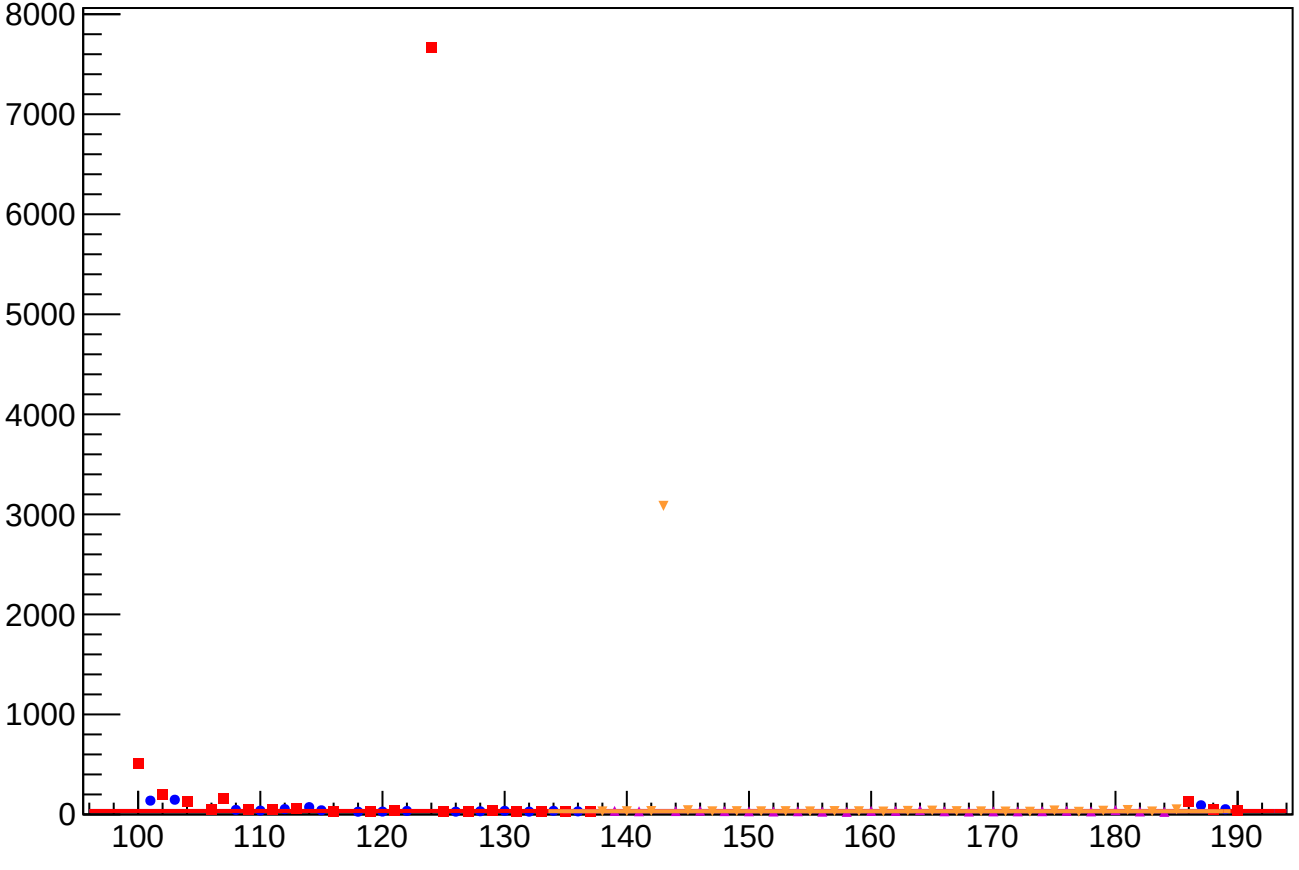
Right: 0.000+/-0.010 χ^2/NDF: 46.0/39

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.008+/-0.007 χ^2/NDF:62.5/46

All: -0.005+/-0.005 χ^2/NDF: 107.0/87

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.871+/-0.010 χ^2/NDF: 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.879+/-0.010 χ^2/NDF: 2703079.1/21

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

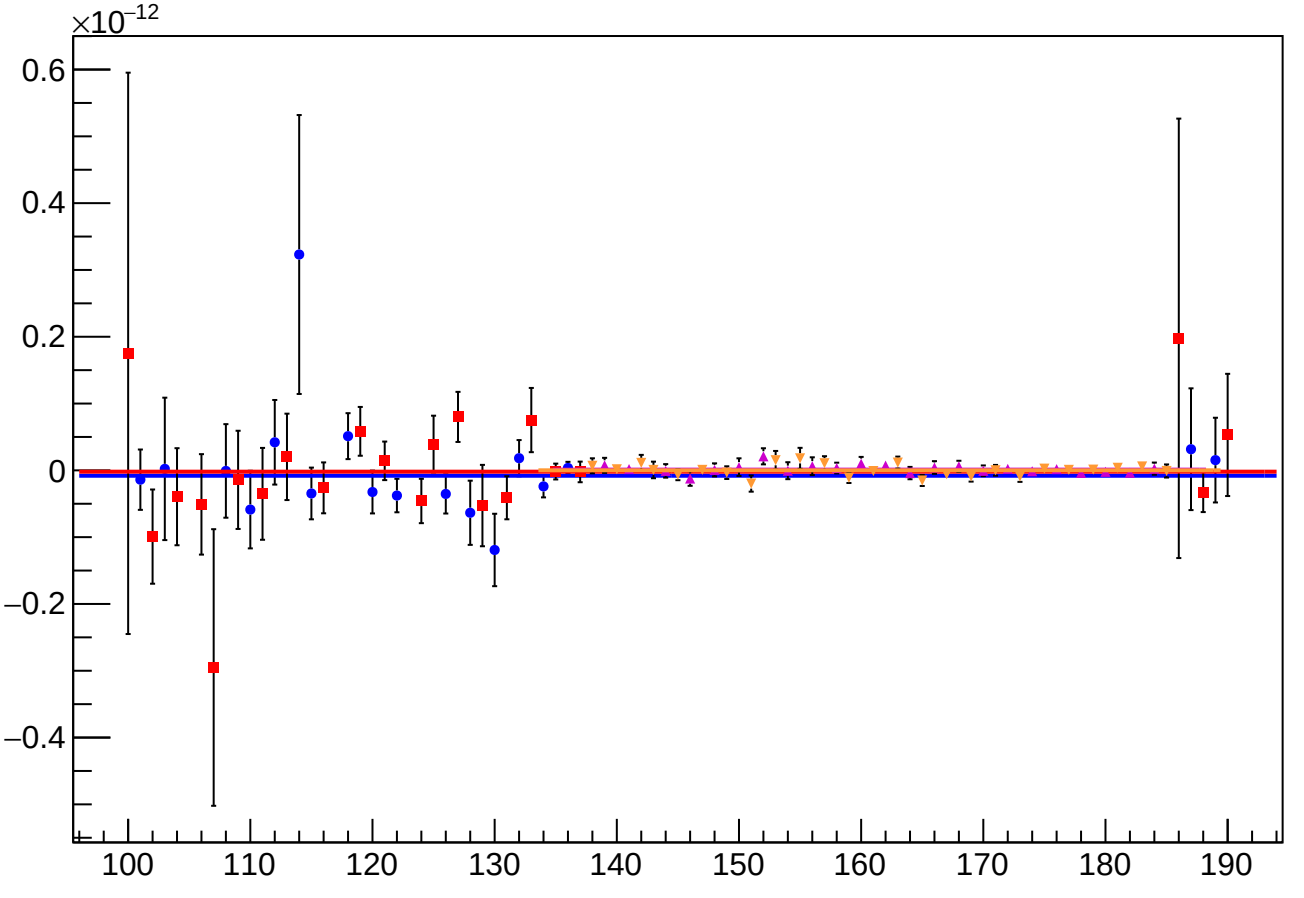
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 34.875+/-0.007 χ^2/NDF: 4655116.5/39

In: 33.025+/-0.005 χ^2/NDF:2421060.4/40

Out: 32.936+/-0.005 χ^2/NDF:4874606.2/46

All: 32.980+/-0.004 χ^2/NDF: 7295822.1/87



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/21

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

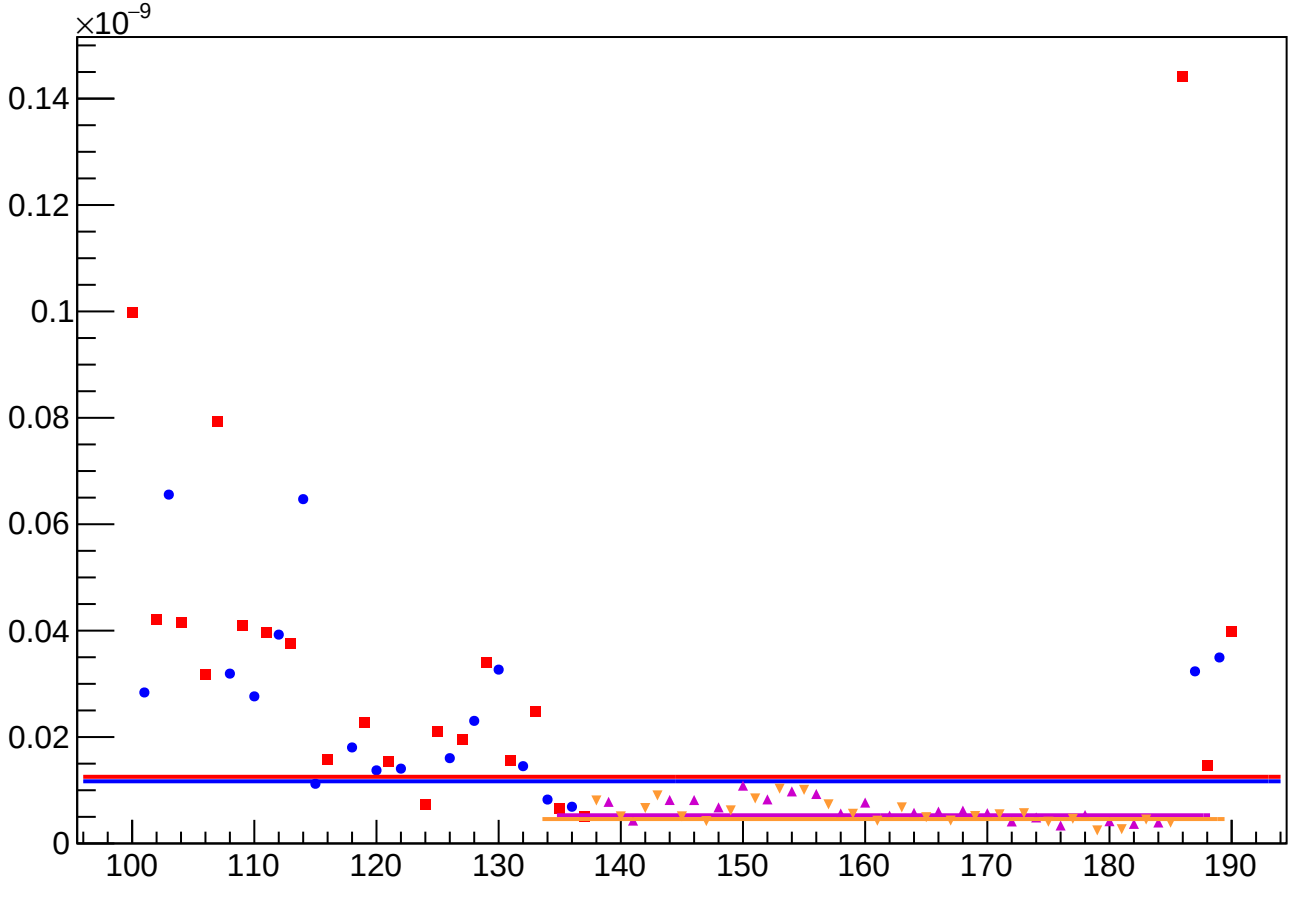
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 42.6/39

In: 0.000+/-0.000 χ^2/NDF:30.7/40

Out: -0.000+/-0.000 χ^2/NDF:43.8/46

All: 0.000+/-0.000 χ^2/NDF: 74.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 3191463.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4271616.1/21

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

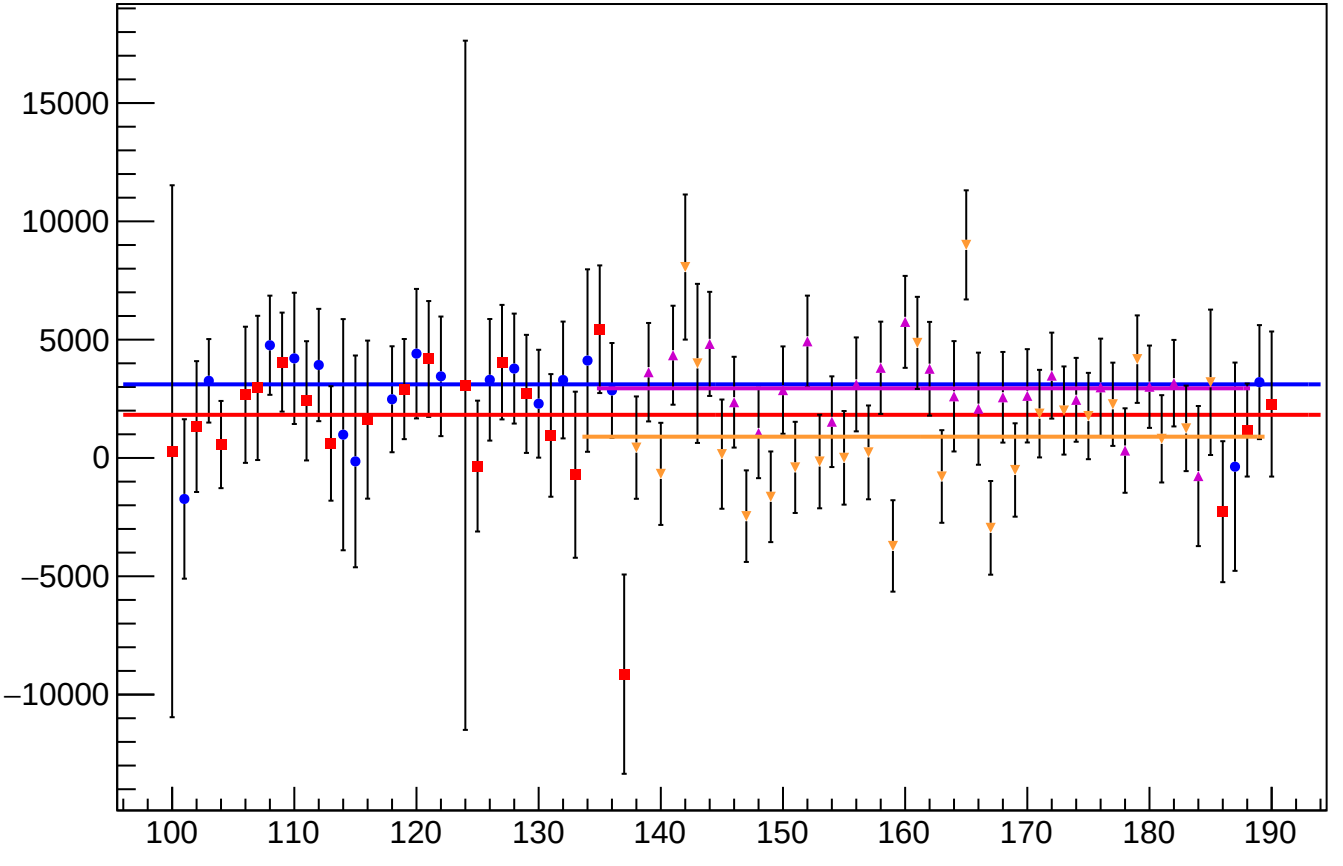
Right: 0.000+/-0.000 χ^2/NDF: 7479007.0/39

In: 0.000+/-0.000 χ^2/NDF:7318589.1/40

Out: 0.000+/-0.000 χ^2/NDF:9521669.3/46

All: 0.000+/-0.000 χ^2/NDF: 17111307.6/87

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3111.146+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1823.392+/-570.998 χ^2/NDF: 16.2/21

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

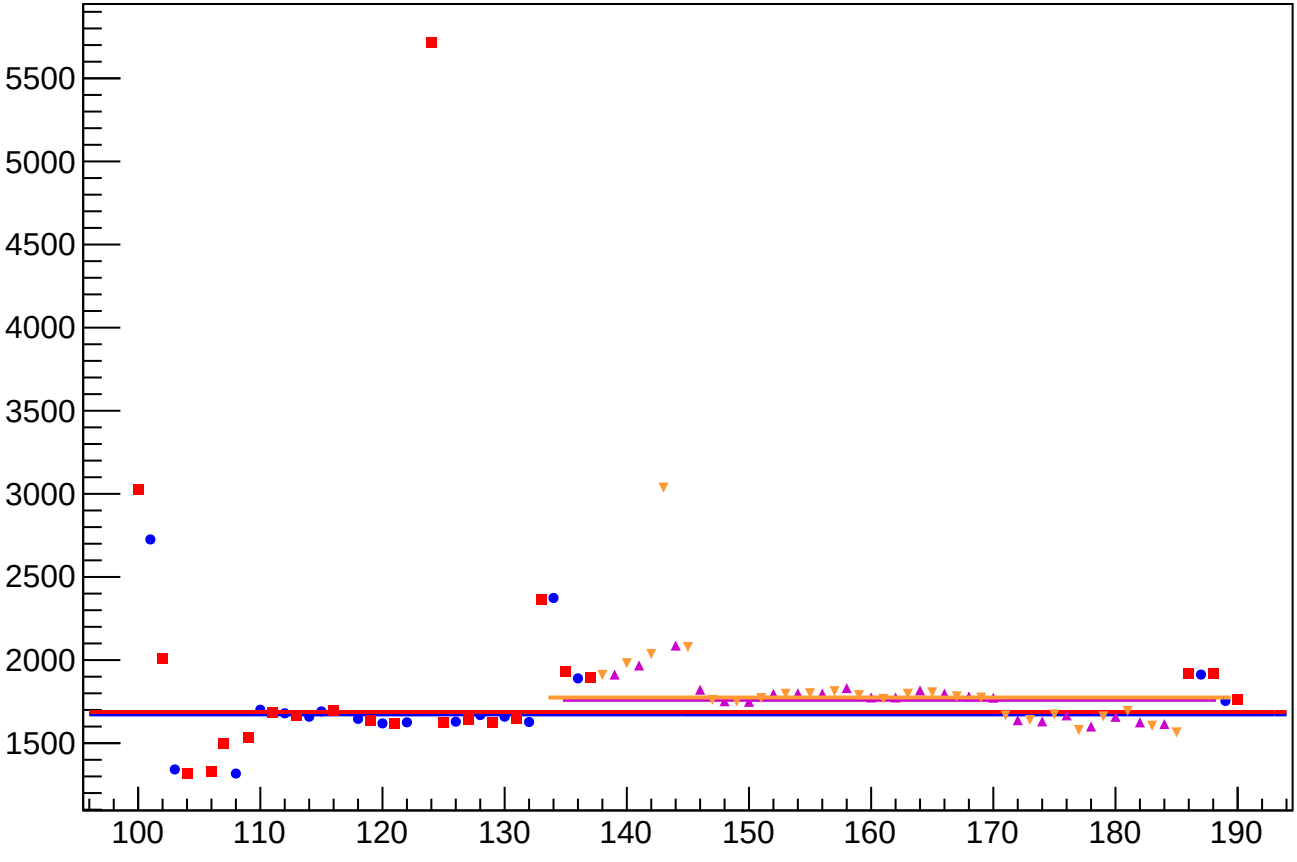
Right: 2433.282+/-414.276 χ^2/NDF: 23.5/39

In: 2996.844+/-340.034 χ^2/NDF:15.6/40

Out: 1208.892+/-330.635 χ^2/NDF:63.2/46

All: 2077.816+/-237.047 χ^2/NDF: 93.0/87

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1673.273+/-0.426 χ^2/NDF: 424351.9/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1687.534+/-0.404 χ^2/NDF: 479395.9/21

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

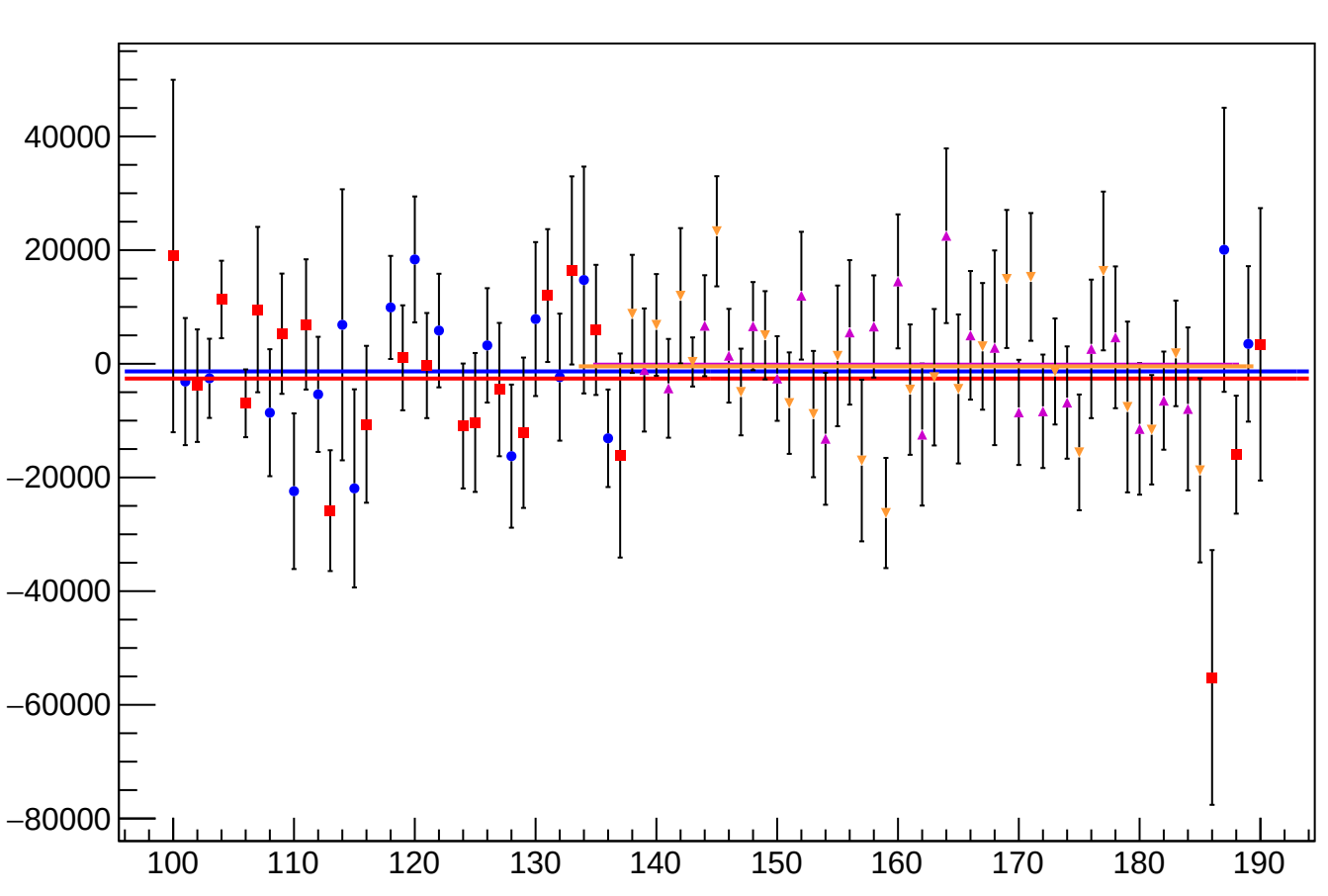
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1680.780+/-0.293 χ^2/NDF: 904338.7/39

In: 1733.069+/-0.240 χ^2/NDF:599599.7/40

Out: 1745.494+/-0.234 χ^2/NDF:957293.6/46

All: 1739.456+/-0.168 χ^2/NDF: 1558265.9/87



Right In: -1338.529+/-2674.585 χ^2/NDF: 15.2/17

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -2597.458+/-2341.707 χ^2/NDF: 25.2/21

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

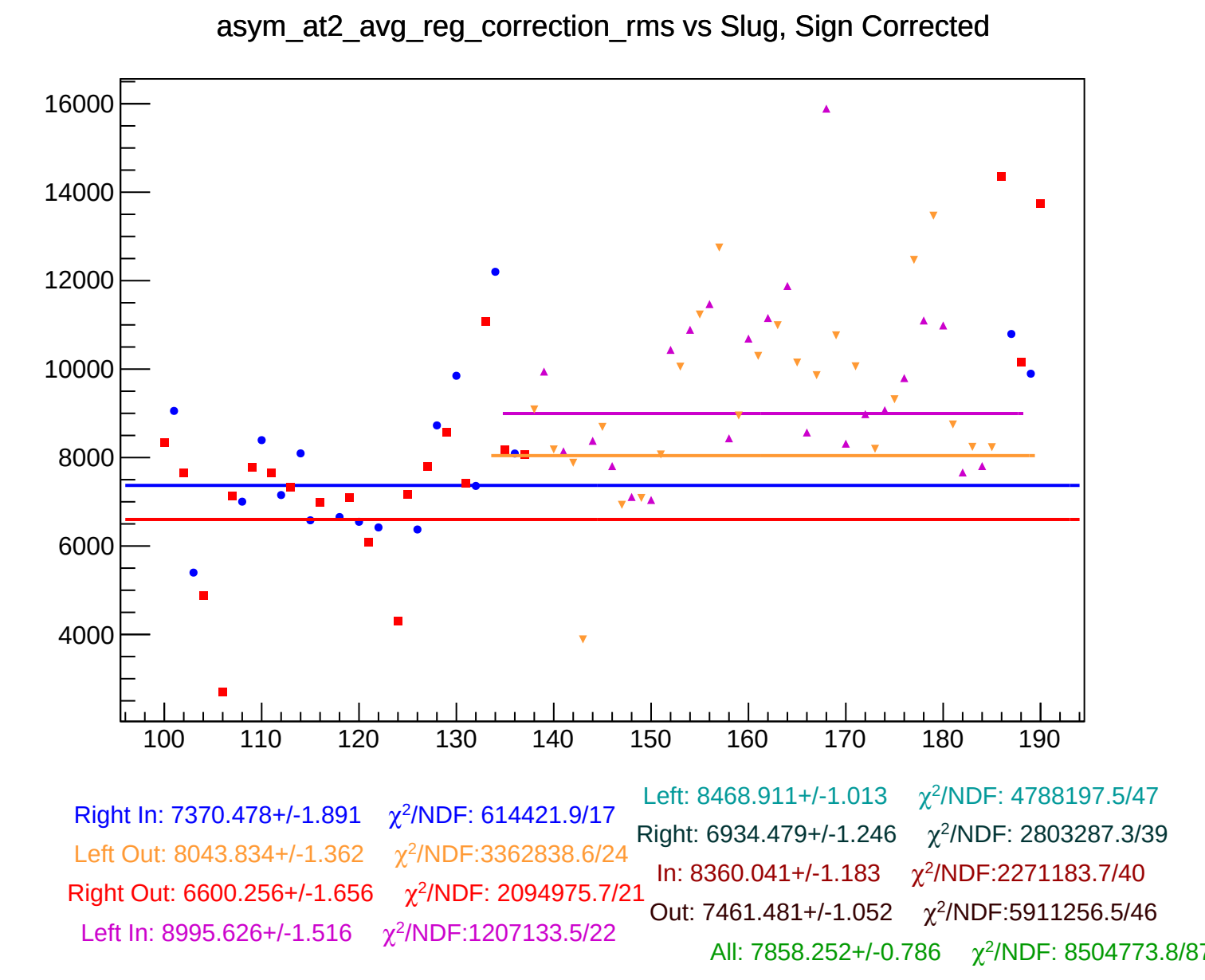
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

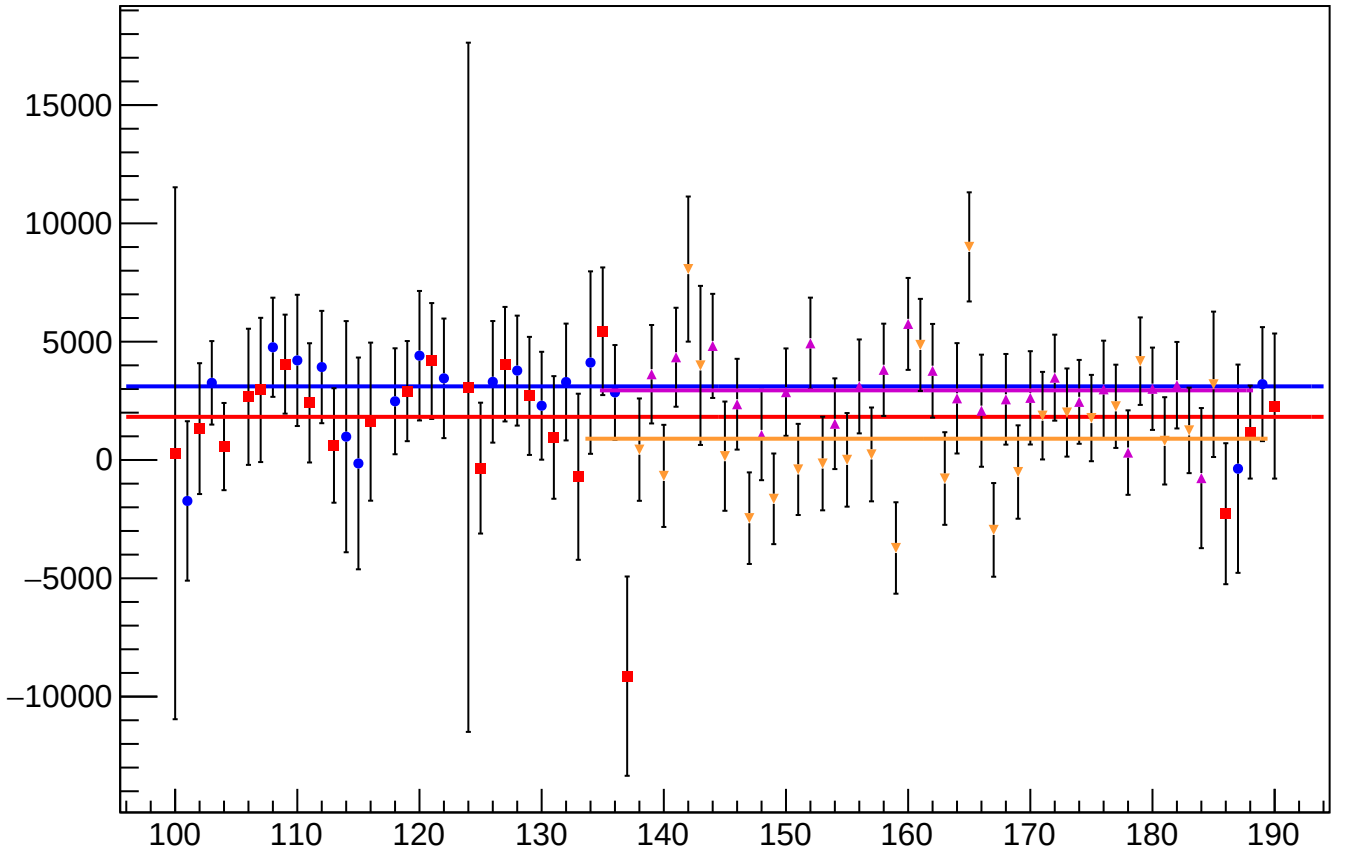
Right: -2051.169+/-1761.842 χ^2/NDF: 40.6/39

In: -618.034+/-1672.617 χ^2/NDF:29.1/40

Out: -1312.334+/-1487.323 χ^2/NDF:55.2/46

All: -1005.757+/-1111.457 χ^2/NDF: 84.4/87


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7370.478+/-1.891 χ²/NDF: 614421.9/17
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 6600.256+/-1.656 χ²/NDF: 2094975.7/21
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 6934.479+/-1.246 χ²/NDF: 2803287.3/39
In: 8360.041+/-1.183 χ²/NDF:2271183.7/40
Out: 7461.481+/-1.052 χ²/NDF:5911256.5/46
All: 7858.252+/-0.786 χ²/NDF: 8504773.8/87



Right In: 3111.275+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1823.225+/-570.999 χ^2/NDF: 16.2/21

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

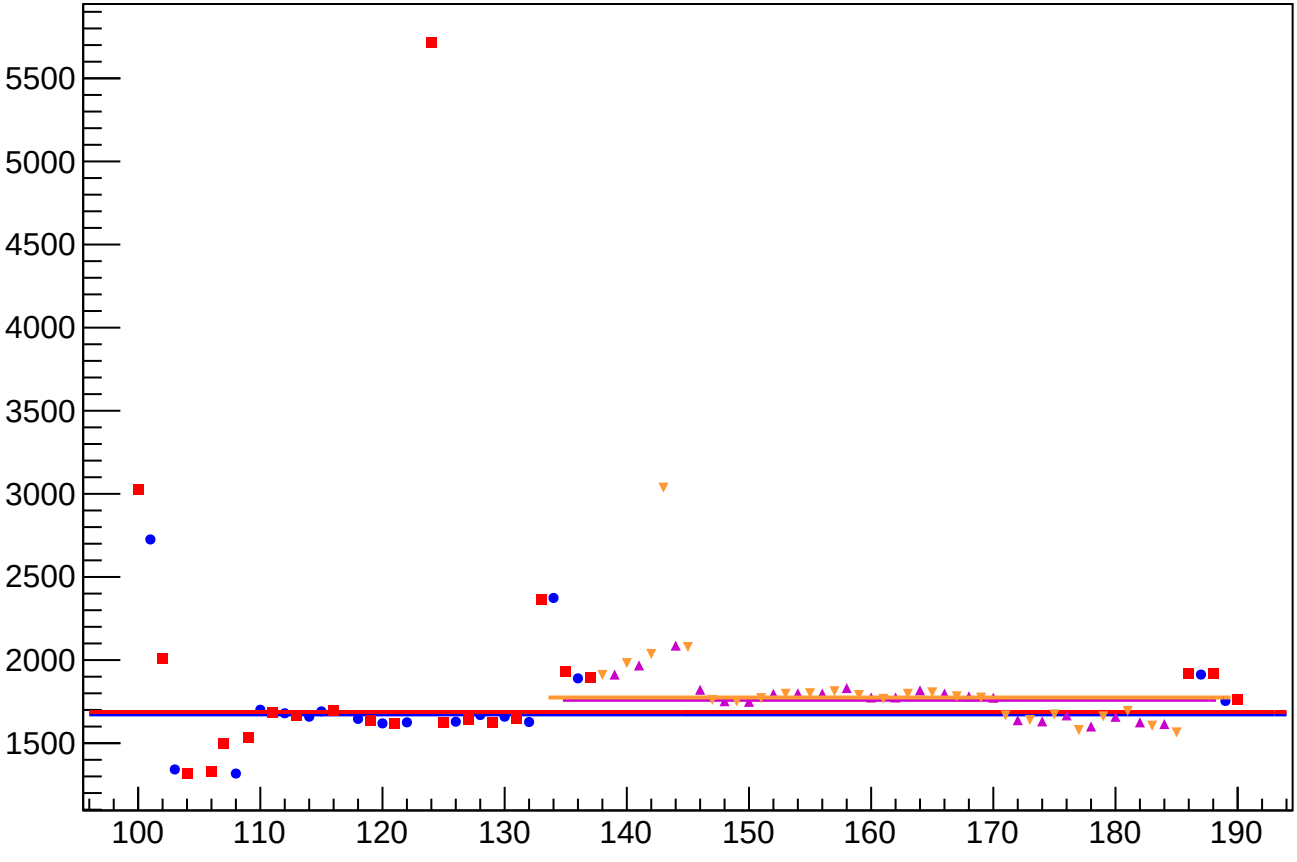
Right: 2433.255+/-414.276 χ^2/NDF: 23.5/39

In: 2996.809+/-340.034 χ^2/NDF:15.6/40

Out: 1208.783+/-330.635 χ^2/NDF:63.2/46

All: 2077.743+/-237.047 χ^2/NDF: 93.0/87

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1673.273+/-0.426 χ^2/NDF: 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1687.534+/-0.404 χ^2/NDF: 479396.0/21

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

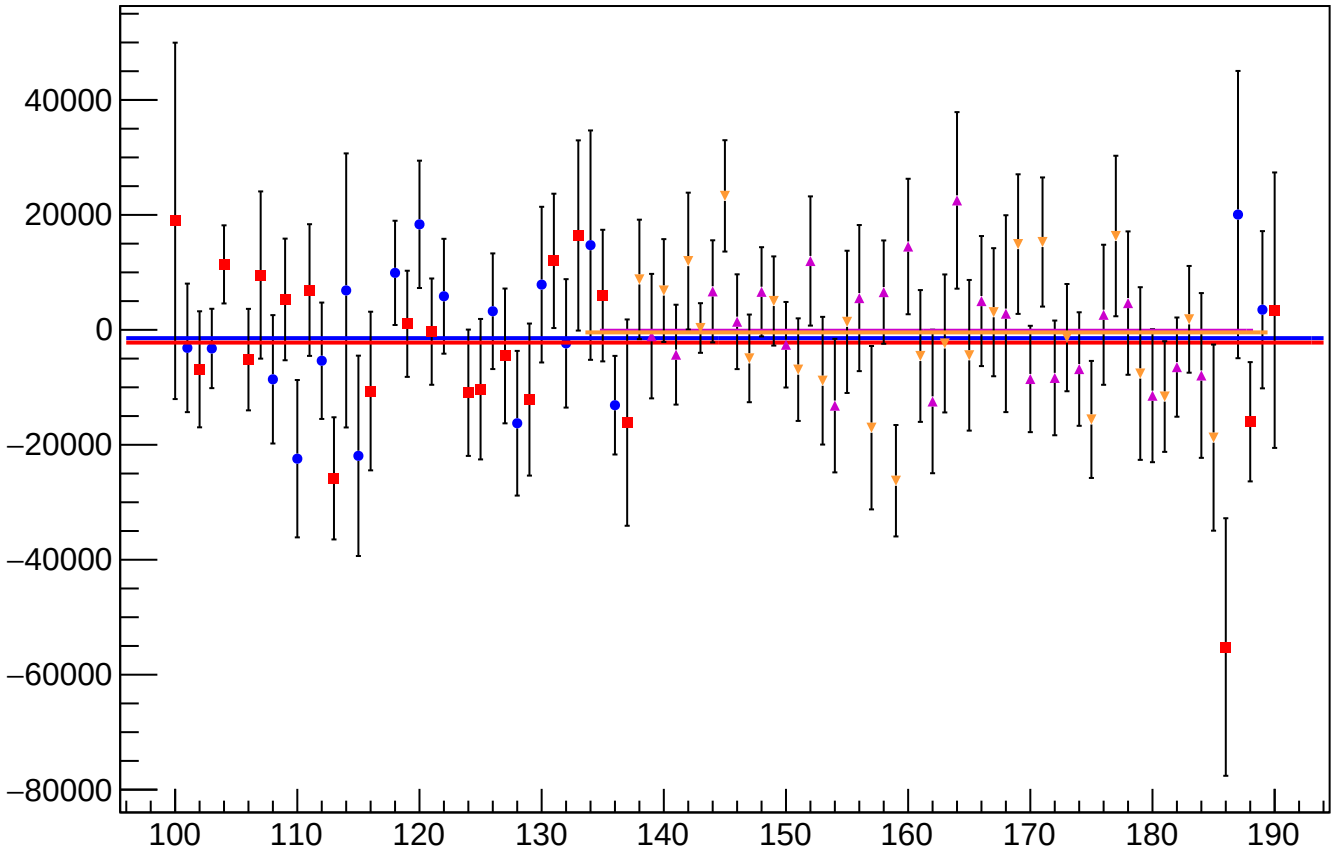
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1680.780+/-0.293 χ^2/NDF: 904339.1/39

In: 1733.069+/-0.240 χ^2/NDF:599600.1/40

Out: 1745.494+/-0.234 χ^2/NDF:957293.8/46

All: 1739.456+/-0.168 χ^2/NDF: 1558266.5/87



Right In: -1443.353+/-2671.191 χ^2/NDF: 15.3/17

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2216.464+/-2448.407 χ^2/NDF: 25.0/21

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

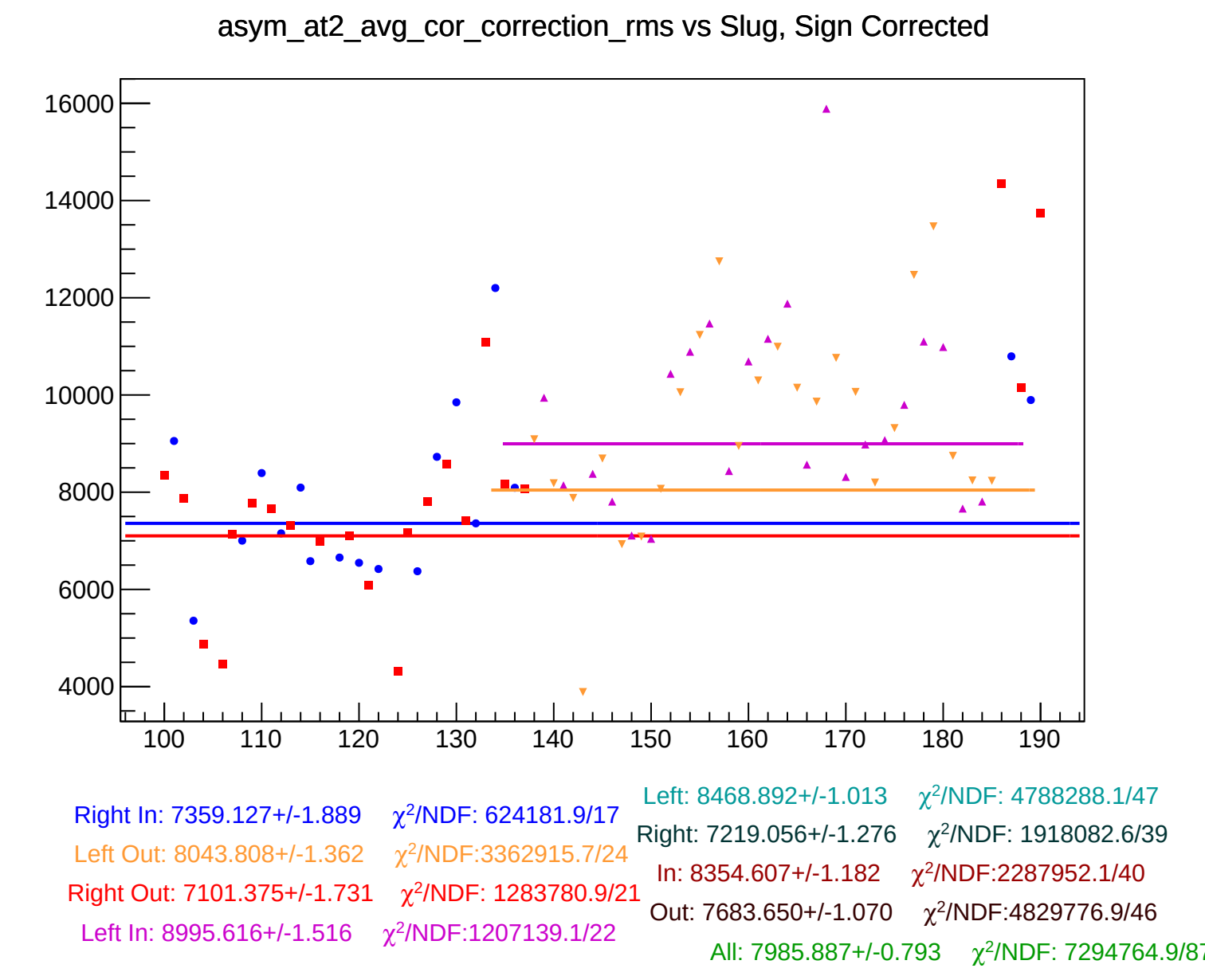
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1863.488+/-1804.916 χ^2/NDF: 40.3/39

In: -659.790+/-1671.785 χ^2/NDF:29.2/40

Out: -1120.983+/-1513.579 χ^2/NDF:54.8/46

All: -913.236+/-1122.035 χ^2/NDF: 84.0/87


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
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8000
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4000
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130
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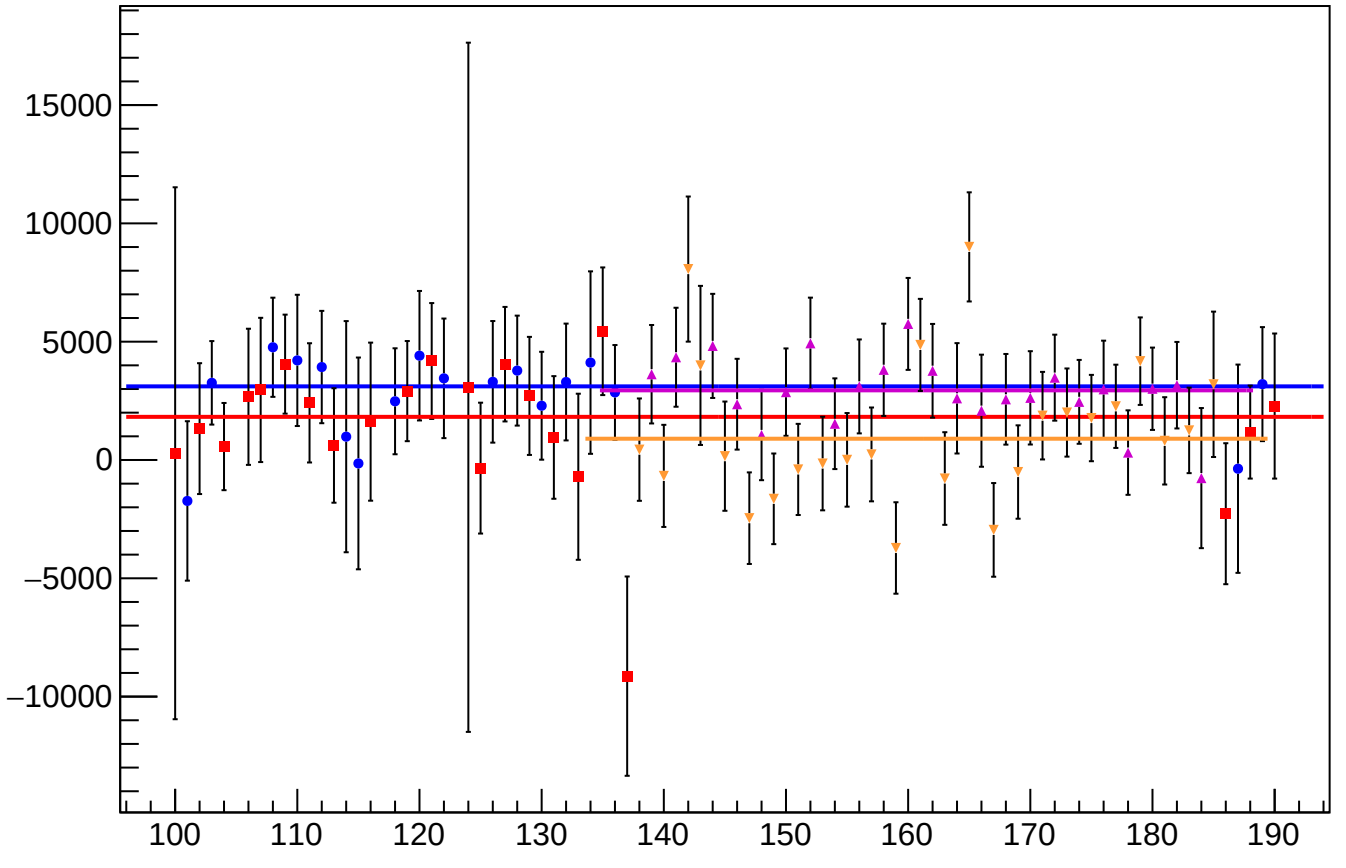
160
170
180
190
Right In: 7359.127+/-1.889 χ²/NDF: 624181.9/17
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7101.375+/-1.731 χ²/NDF: 1283780.9/21
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7219.056+/-1.276 χ²/NDF: 1918082.6/39
In: 8354.607+/-1.182 χ²/NDF:2287952.1/40
Out: 7683.650+/-1.070 χ²/NDF:4829776.9/46
All: 7985.887+/-0.793 χ²/NDF: 7294764.9/87



Right In: 3111.275+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1823.225+/-570.999 χ^2/NDF: 16.2/21

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

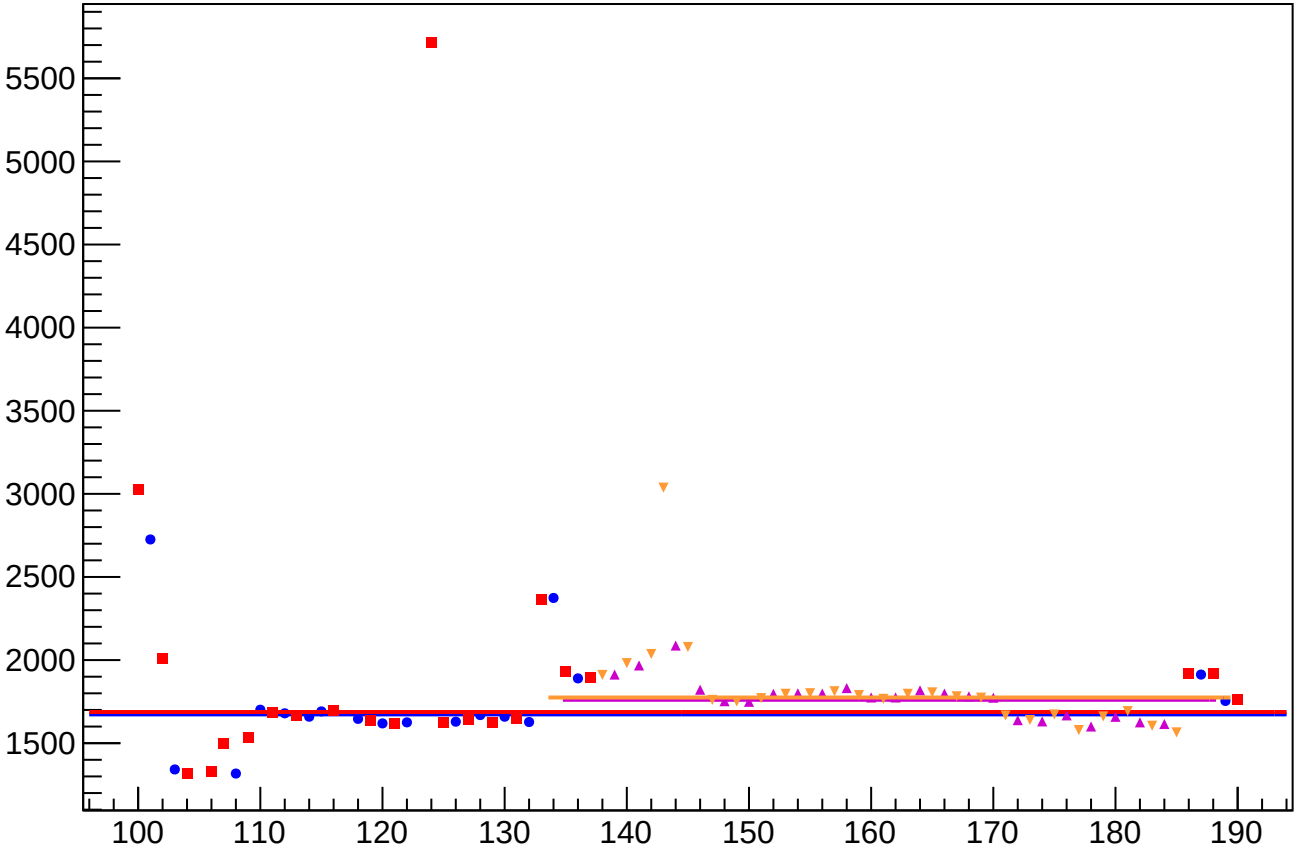
Right: 2433.255+/-414.276 χ^2/NDF: 23.5/39

In: 2996.809+/-340.034 χ^2/NDF:15.6/40

Out: 1208.783+/-330.635 χ^2/NDF:63.2/46

All: 2077.743+/-237.047 χ^2/NDF: 93.0/87

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1673.273+/-0.426 χ^2/NDF: 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1687.534+/-0.404 χ^2/NDF: 479396.0/21

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

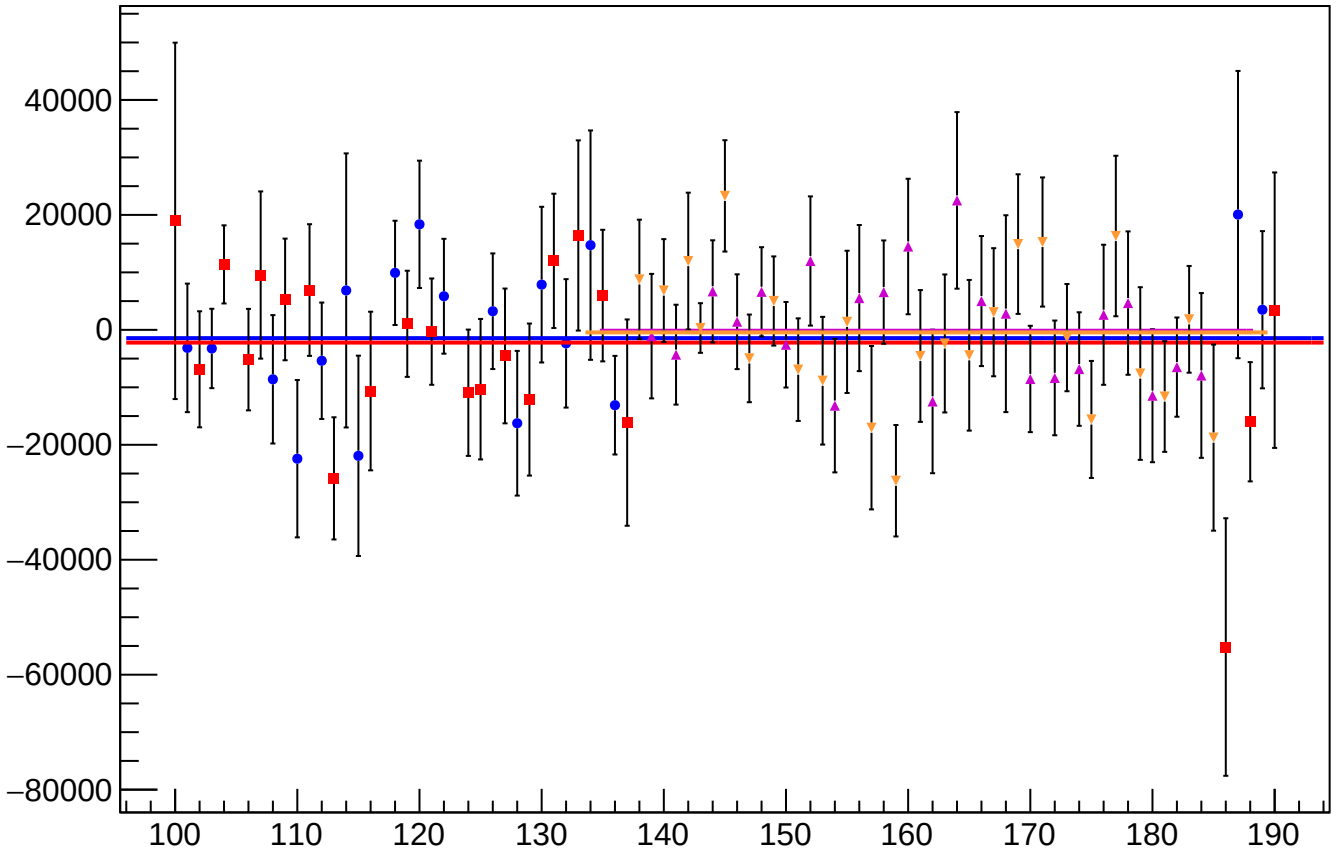
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1680.780+/-0.293 χ^2/NDF: 904339.1/39

In: 1733.069+/-0.240 χ^2/NDF:599600.1/40

Out: 1745.494+/-0.234 χ^2/NDF:957293.8/46

All: 1739.456+/-0.168 χ^2/NDF: 1558266.5/87



Right In: -1443.353+/-2671.191 χ^2/NDF: 15.3/17

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2216.464+/-2448.407 χ^2/NDF: 25.0/21

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

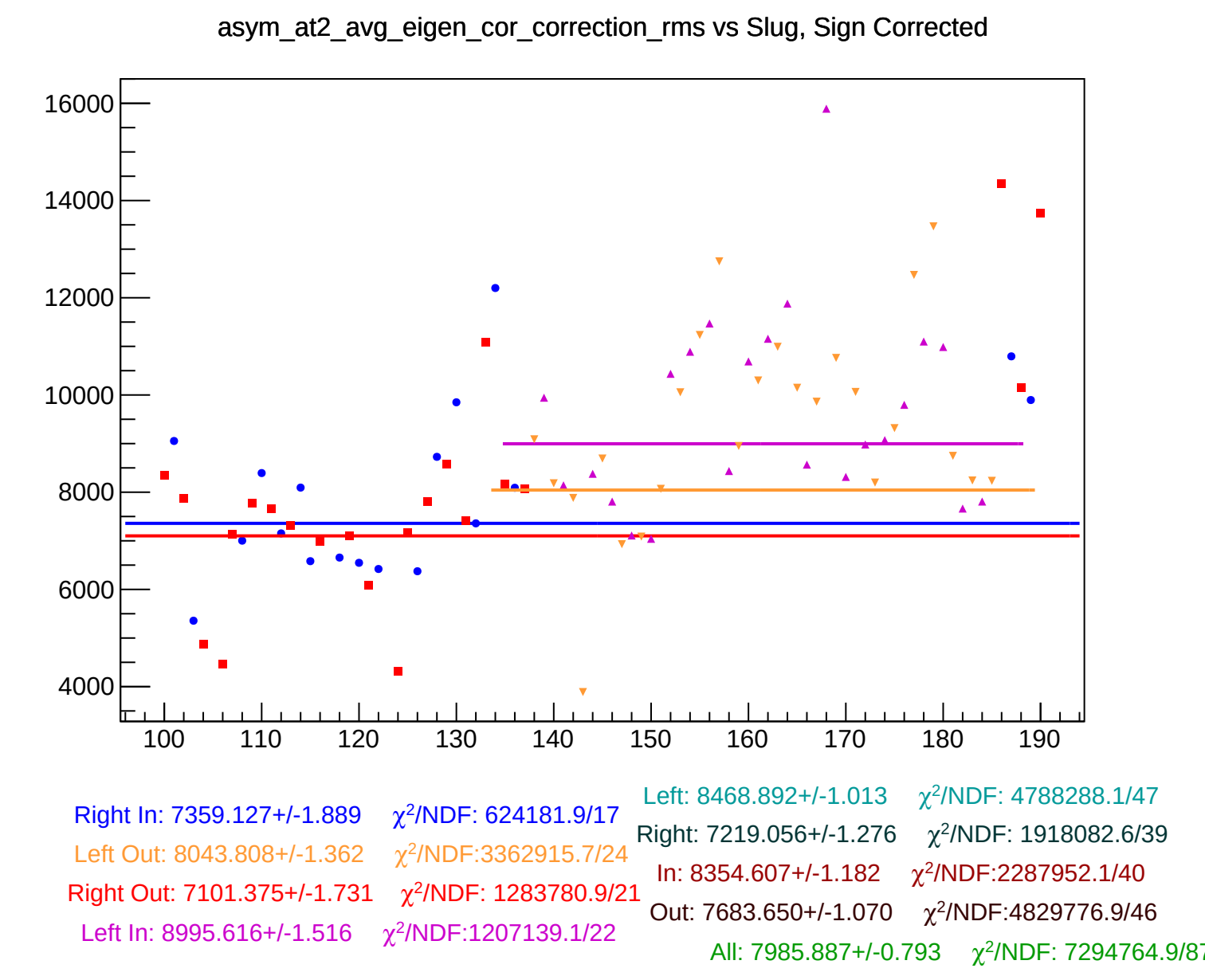
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1863.488+/-1804.916 χ^2/NDF: 40.3/39

In: -659.790+/-1671.785 χ^2/NDF:29.2/40

Out: -1120.983+/-1513.579 χ^2/NDF:54.8/46

All: -913.236+/-1122.035 χ^2/NDF: 84.0/87


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
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6000
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120
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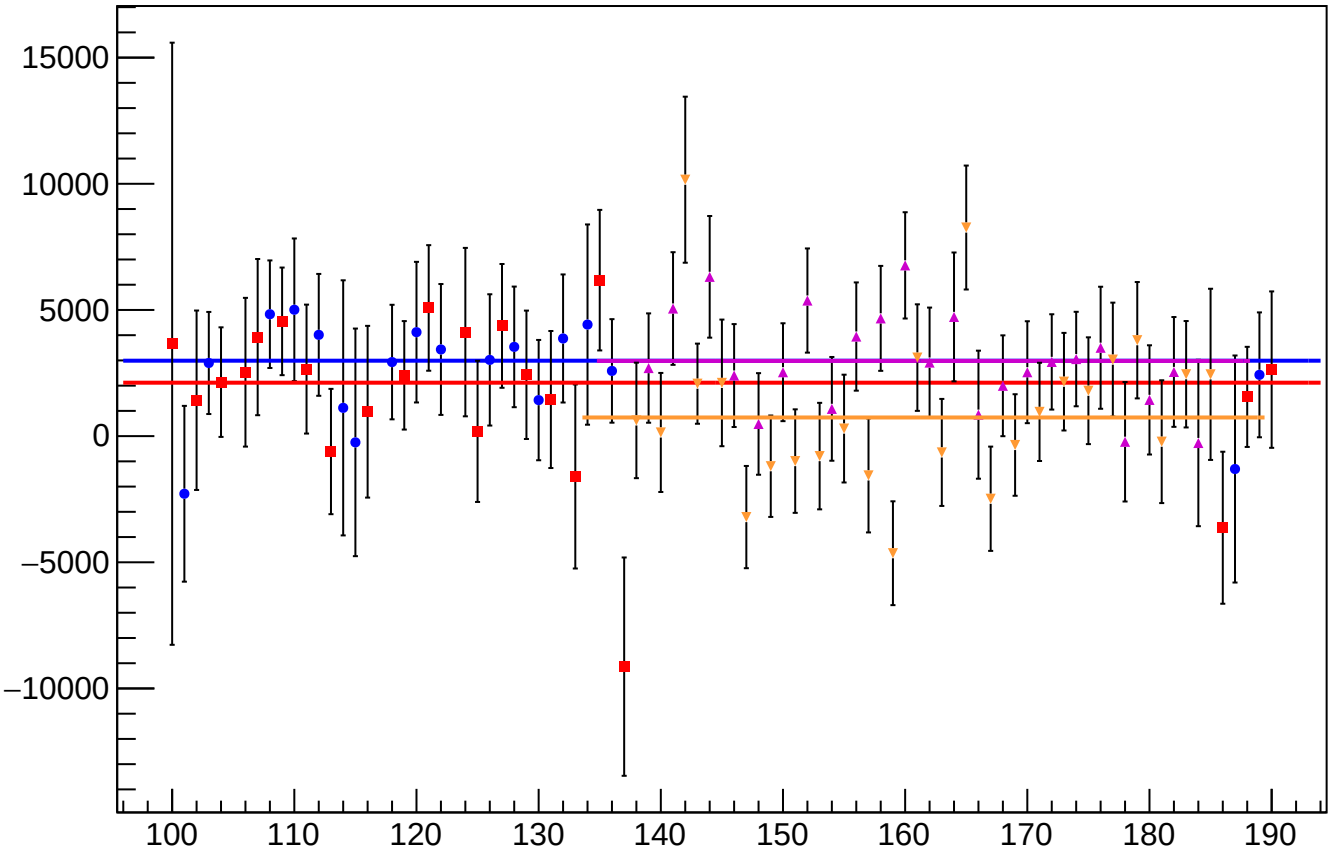
190
Right In: 7359.127+/-1.889 χ²/NDF: 624181.9/17
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7101.375+/-1.731 χ²/NDF: 1283780.9/21
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7219.056+/-1.276 χ²/NDF: 1918082.6/39
In: 8354.607+/-1.182 χ²/NDF:2287952.1/40
Out: 7683.650+/-1.070 χ²/NDF:4829776.9/46
All: 7985.887+/-0.793 χ²/NDF: 7294764.9/87



Right In: 2989.147+/-623.605 χ^2/NDF: 6.3/17

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2117.424+/-585.473 χ^2/NDF: 20.0/21

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

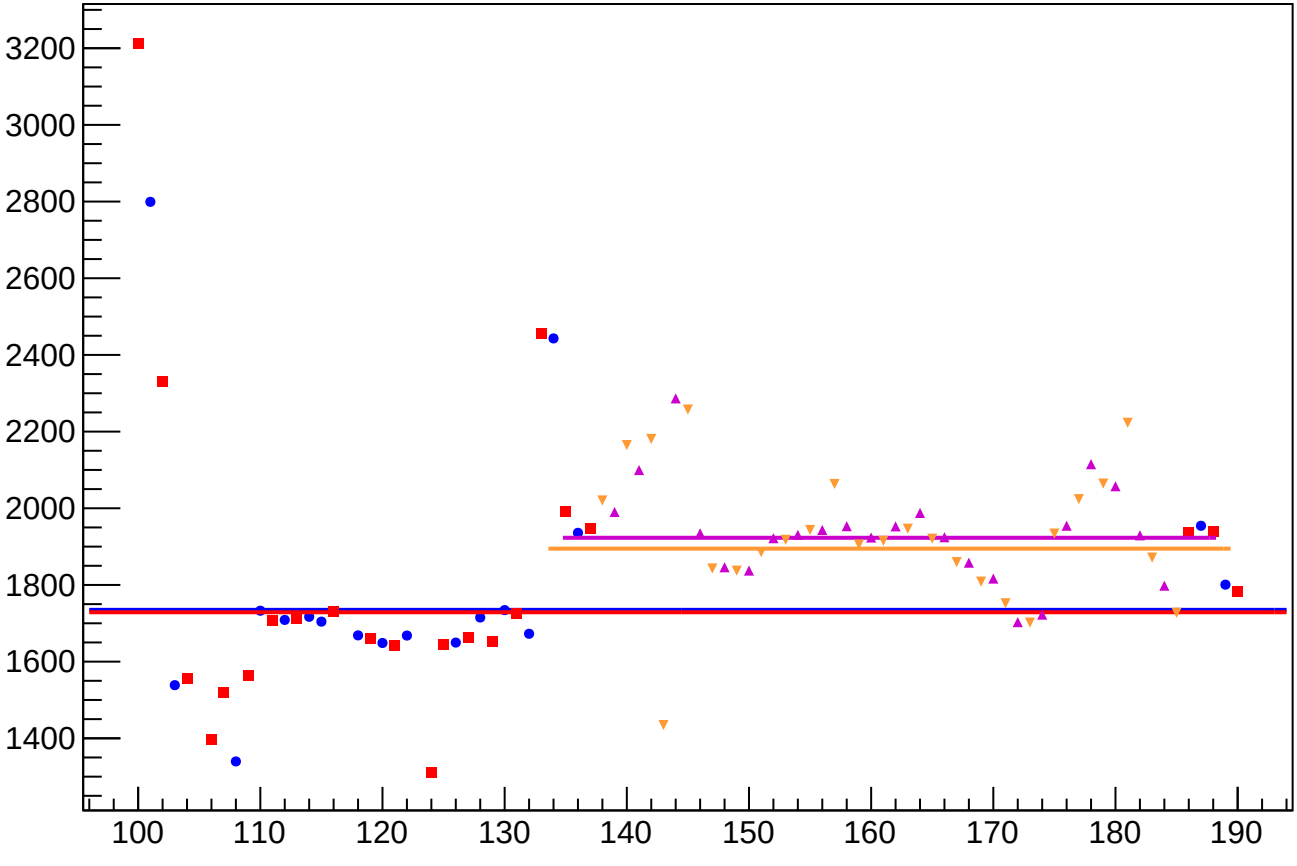
Right: 2525.820+/-426.836 χ^2/NDF: 27.3/39

In: 2982.625+/-365.090 χ^2/NDF:21.9/40

Out: 1226.217+/-348.071 χ^2/NDF:65.2/46

All: 2062.531+/-251.925 χ^2/NDF: 99.2/87

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1735.058+/-0.441 χ^2/NDF: 372198.1/17

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1728.797+/-0.414 χ^2/NDF: 323607.7/21

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

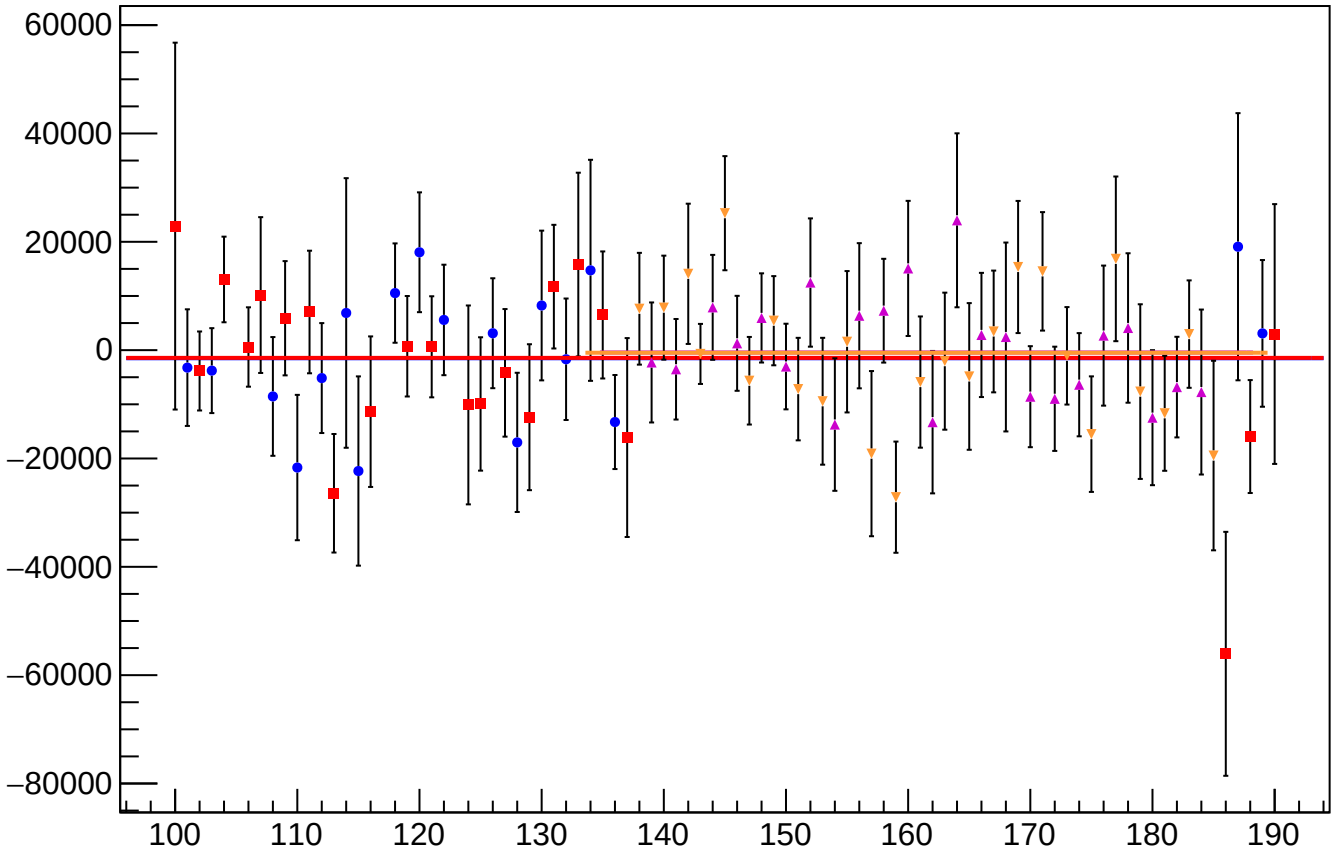
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1731.729+/-0.302 χ^2/NDF: 695913.0/39

In: 1858.608+/-0.258 χ^2/NDF:642620.1/40

Out: 1836.028+/-0.246 χ^2/NDF:796048.7/46

All: 1846.778+/-0.178 χ^2/NDF: 1442676.5/87



Right In: -1497.403+/-2723.632 χ^2/NDF: 15.2/17

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -1427.445+/-2431.084 χ^2/NDF: 24.3/21

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

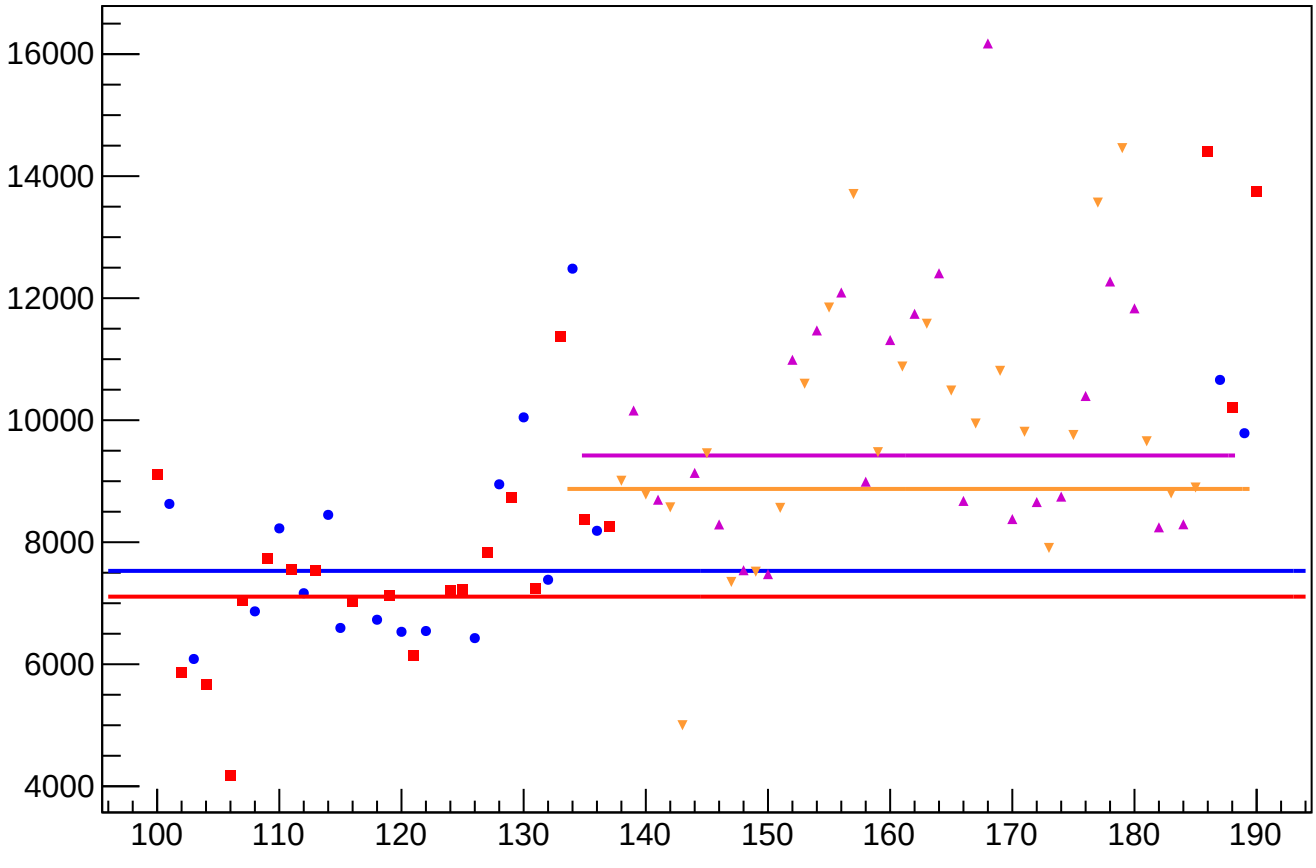
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

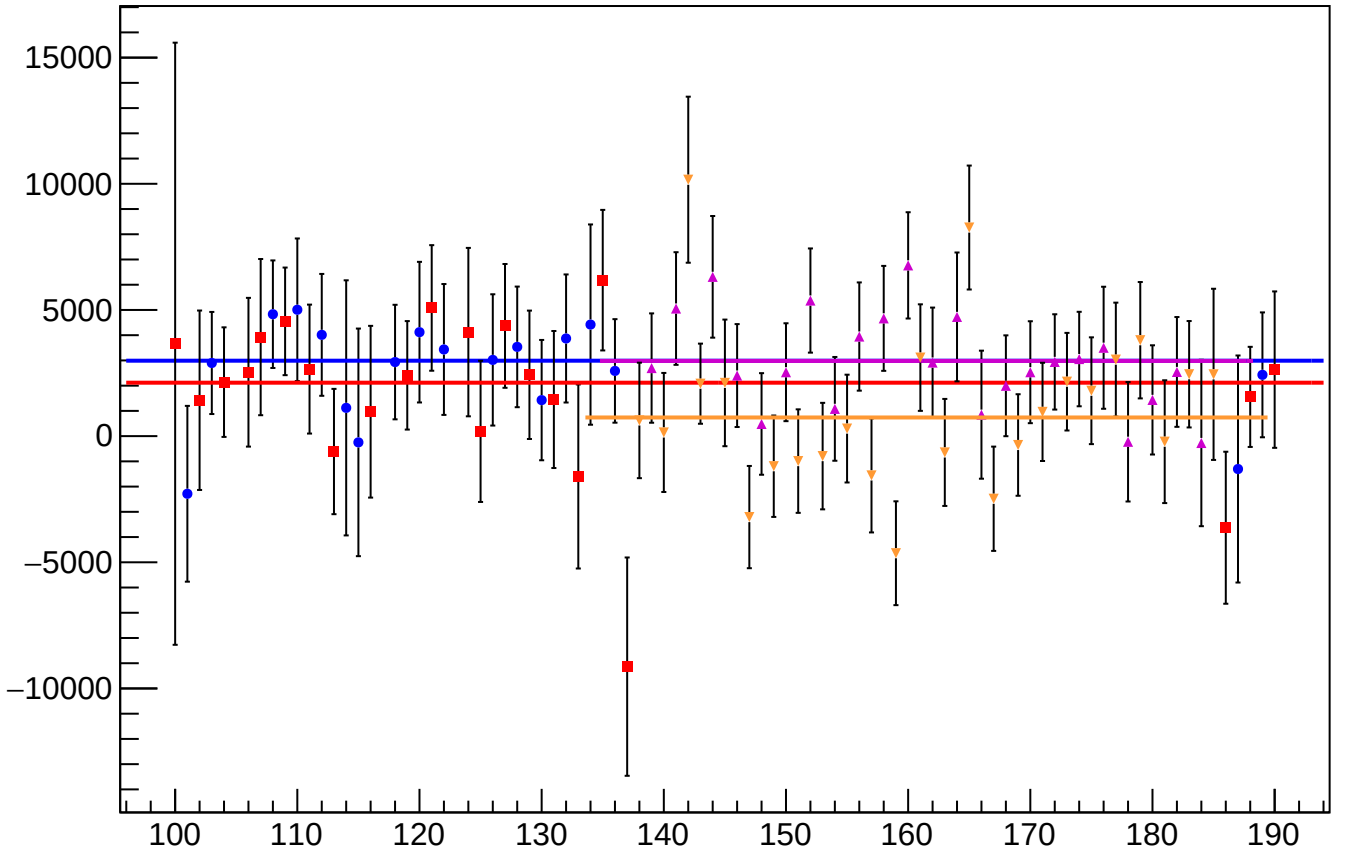
Right: -1458.466+/-1813.679 χ^2/NDF: 39.5/39

In: -865.863+/-1732.439 χ^2/NDF:28.9/40

Out: -882.099+/-1584.509 χ^2/NDF:53.2/46

All: -874.704+/-1169.224 χ^2/NDF: 82.1/87


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7530.310+/-1.926 χ²/NDF: 494373.4/17
Left Out: 8873.592+/-1.477 χ²/NDF:2203249.6/24
Right Out: 7108.019+/-1.719 χ²/NDF: 1222790.1/21
Left In: 9421.708+/-1.588 χ²/NDF:1204848.0/22
Left: 9127.955+/-1.082 χ²/NDF: 3471980.0/47
Right: 7295.275+/-1.282 χ²/NDF: 1743923.0/39
In: 8656.460+/-1.225 χ²/NDF:2273486.2/40
Out: 8123.568+/-1.120 χ²/NDF:4032799.2/46
All: 8366.296+/-0.827 χ²/NDF: 6409323.6/87



Right In: 2989.149+/-623.605 χ^2/NDF: 6.3/17

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2117.431+/-585.472 χ^2/NDF: 20.0/21

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

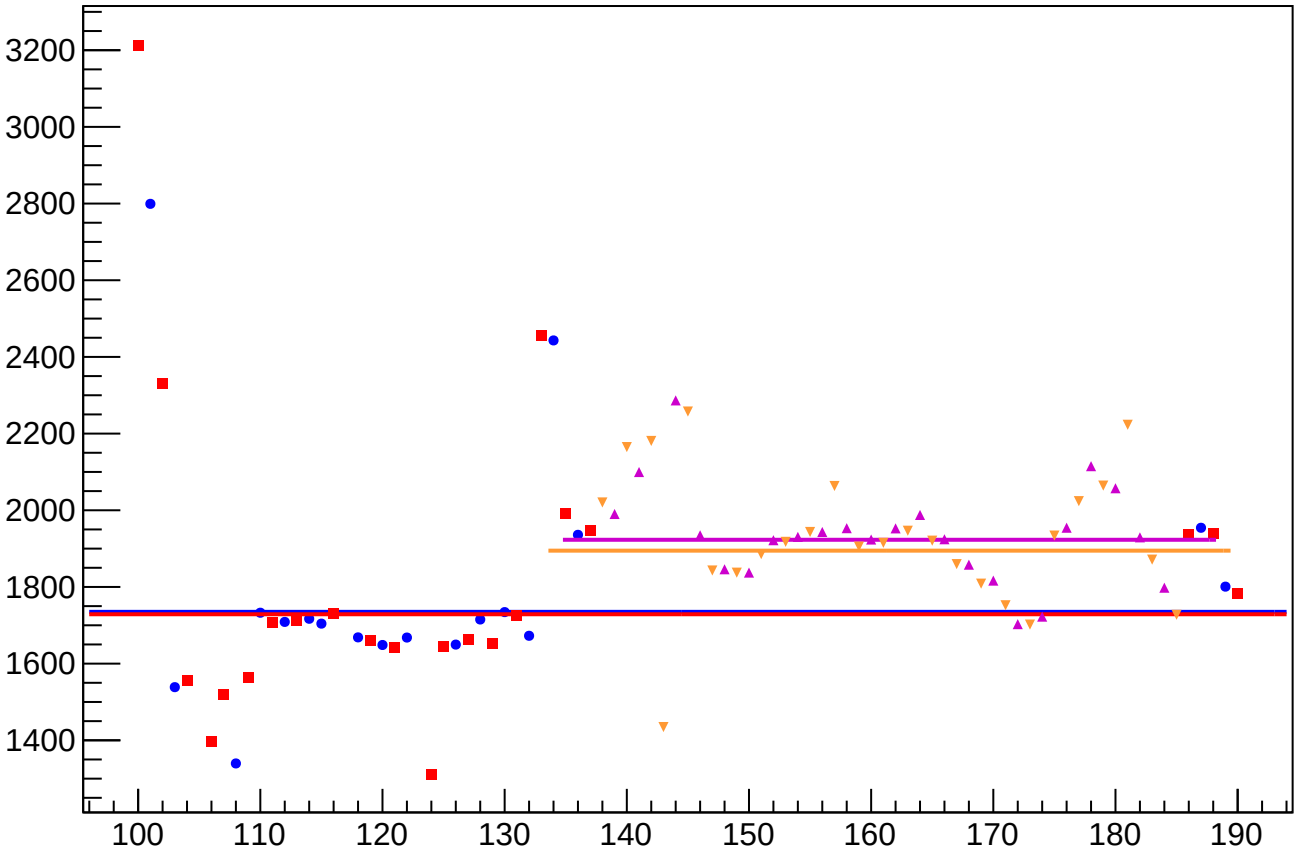
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2525.825+/-426.836 χ^2/NDF: 27.3/39

In: 2982.627+/-365.090 χ^2/NDF:21.9/40

Out: 1226.214+/-348.072 χ^2/NDF:65.2/46

All: 2062.530+/-251.925 χ^2/NDF: 99.2/87



Right In: 1735.057+/-0.441 χ^2/NDF: 372198.1/17

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1728.797+/-0.414 χ^2/NDF: 323607.9/21

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

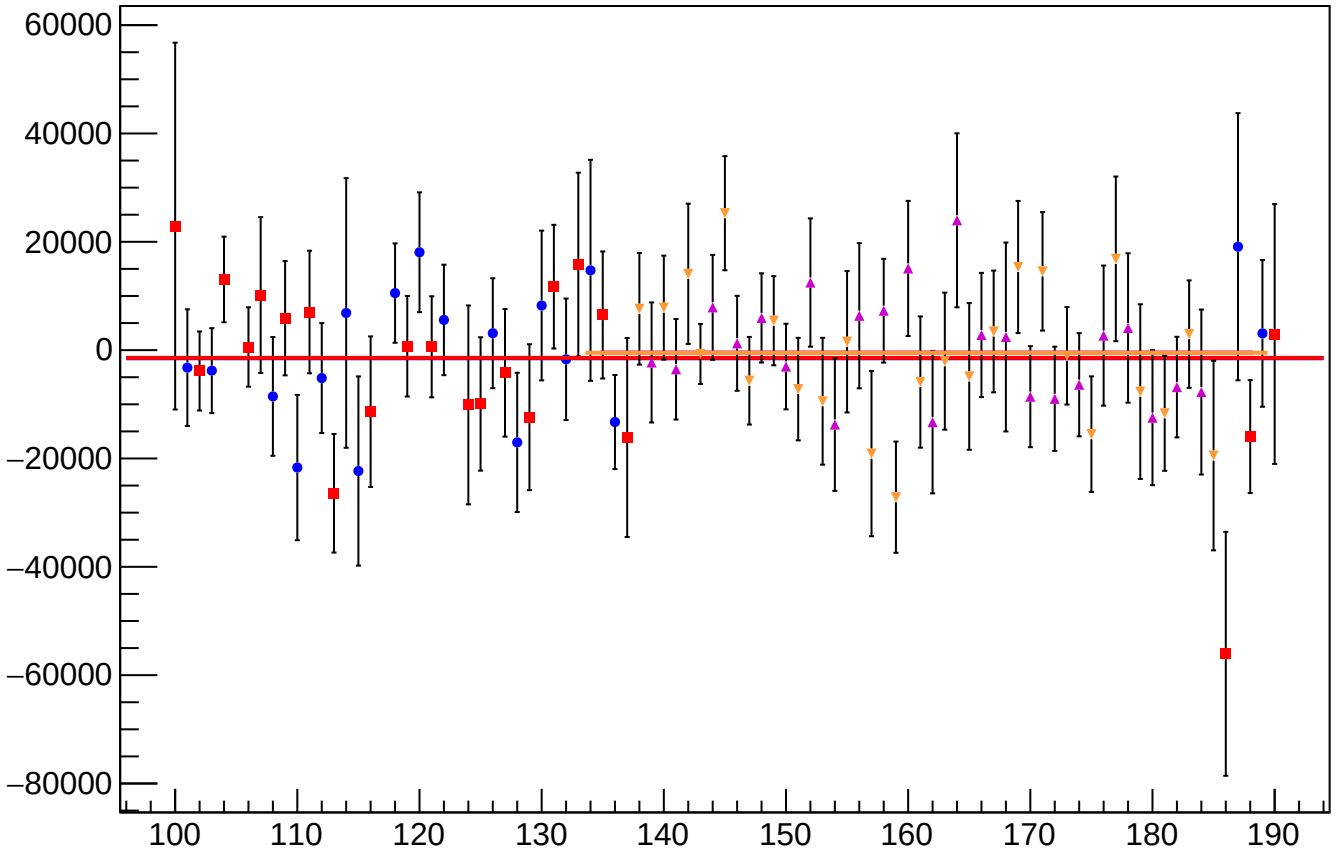
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1731.729+/-0.302 χ^2/NDF: 695913.1/39

In: 1858.609+/-0.258 χ^2/NDF:642632.4/40

Out: 1836.030+/-0.246 χ^2/NDF:796060.8/46

All: 1846.780+/-0.178 χ^2/NDF: 1442700.9/87



Right In: -1497.385+/-2723.626 χ^2/NDF: 15.2/17

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -1427.433+/-2431.079 χ^2/NDF: 24.3/21

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

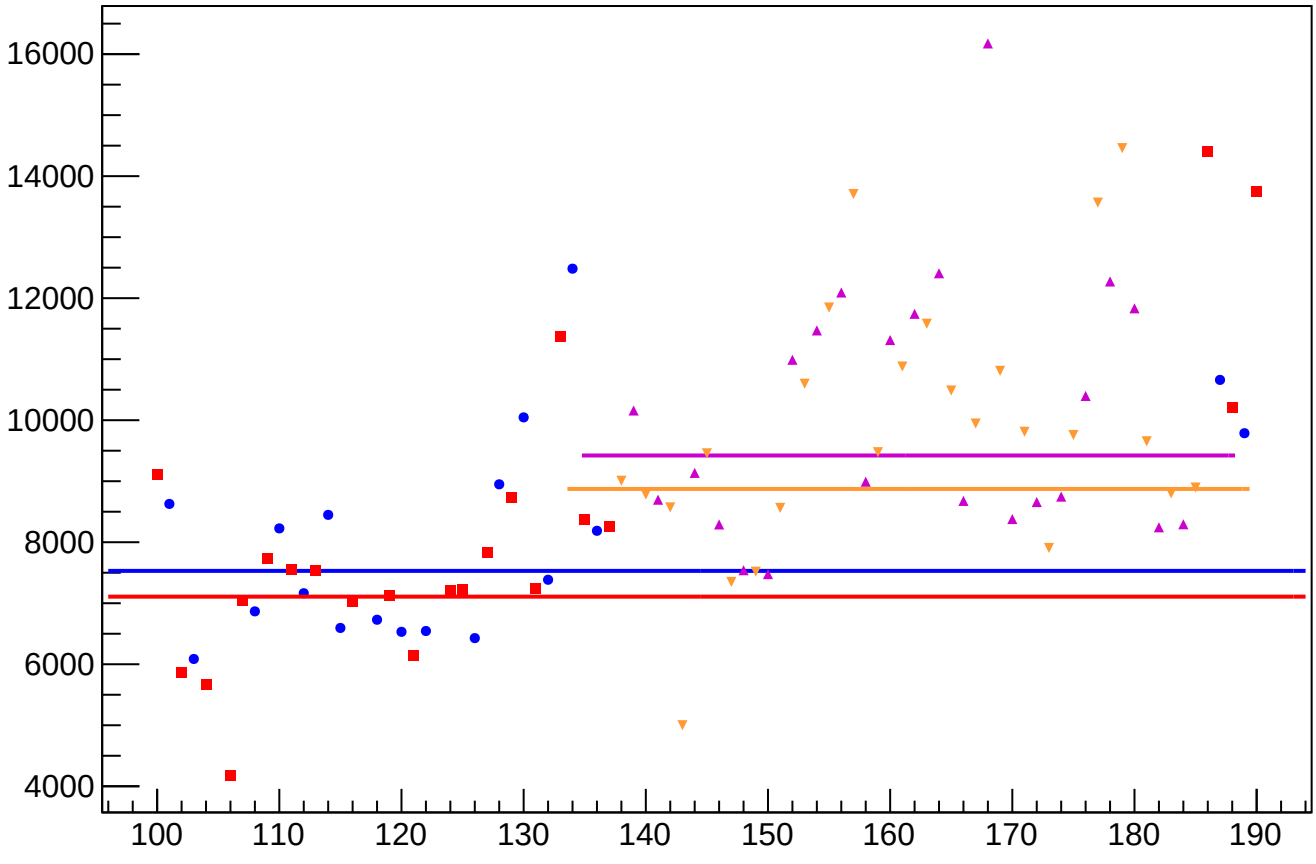
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1458.451+/-1813.675 χ^2/NDF: 39.5/39

In: -865.860+/-1732.439 χ^2/NDF:28.9/40

Out: -882.099+/-1584.510 χ^2/NDF:53.2/46

All: -874.702+/-1169.224 χ^2/NDF: 82.1/87



Right In: 7530.294+/-1.926 χ^2/NDF: 494377.7/17

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7108.005+/-1.719 χ^2/NDF: 1222792.2/21

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

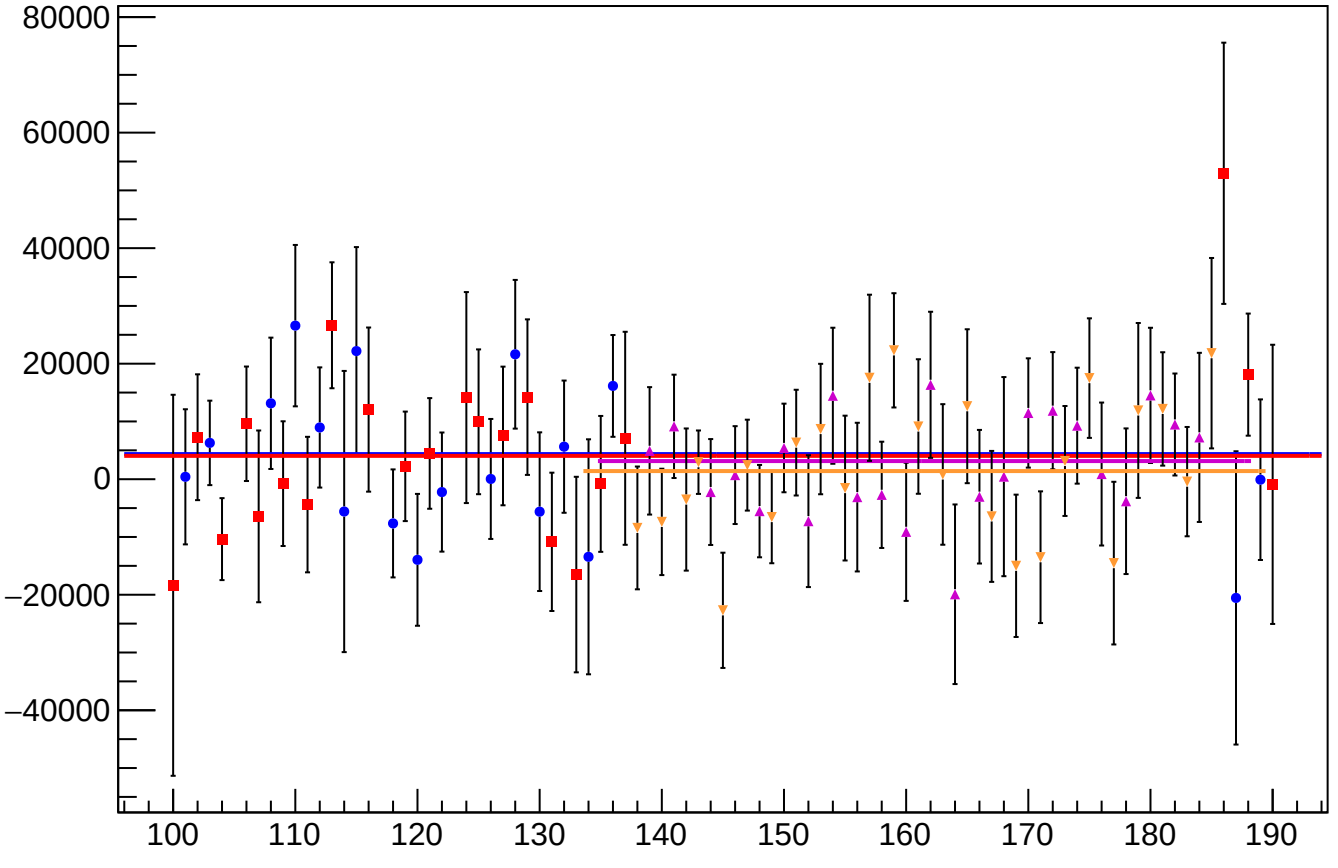
Right: 7295.260+/-1.282 χ^2/NDF: 1743929.2/39

In: 8656.459+/-1.225 χ^2/NDF:2273513.8/40

Out: 8123.567+/-1.120 χ^2/NDF:4032823.0/46

All: 8366.294+/-0.827 χ^2/NDF: 6409374.8/87

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4345.301+/-2755.713 χ^2/NDF: 15.4/17

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4044.190+/-2579.846 χ^2/NDF: 21.7/21

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

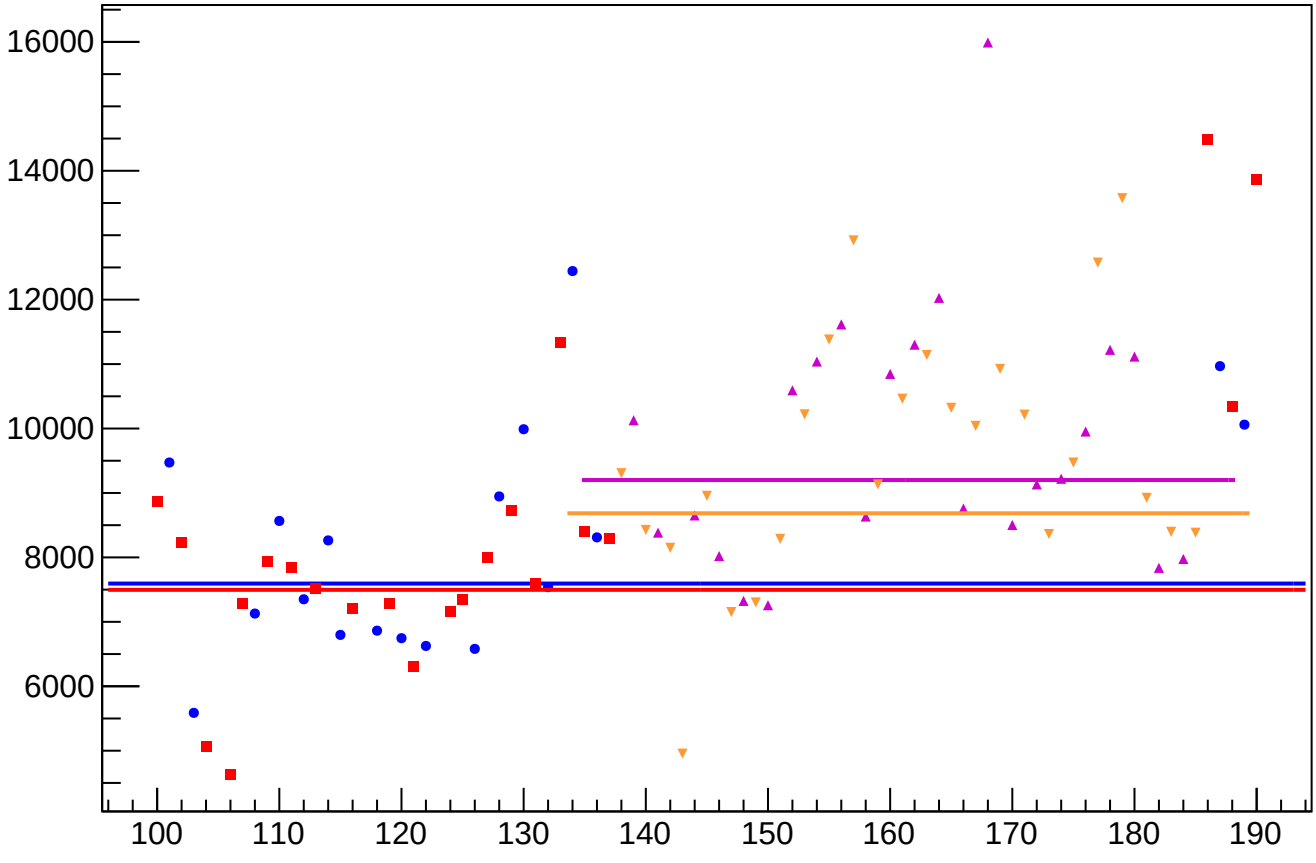
Right: 4184.831+/-1883.333 χ^2/NDF: 37.2/39

In: 3605.972+/-1714.259 χ^2/NDF:28.5/40

Out: 2422.334+/-1600.126 χ^2/NDF:49.8/46

All: 2973.442+/-1169.729 χ^2/NDF: 78.6/87

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7594.027+/-1.949 χ^2/NDF: 589901.9/17

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7496.940+/-1.824 χ^2/NDF: 1068658.2/21

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

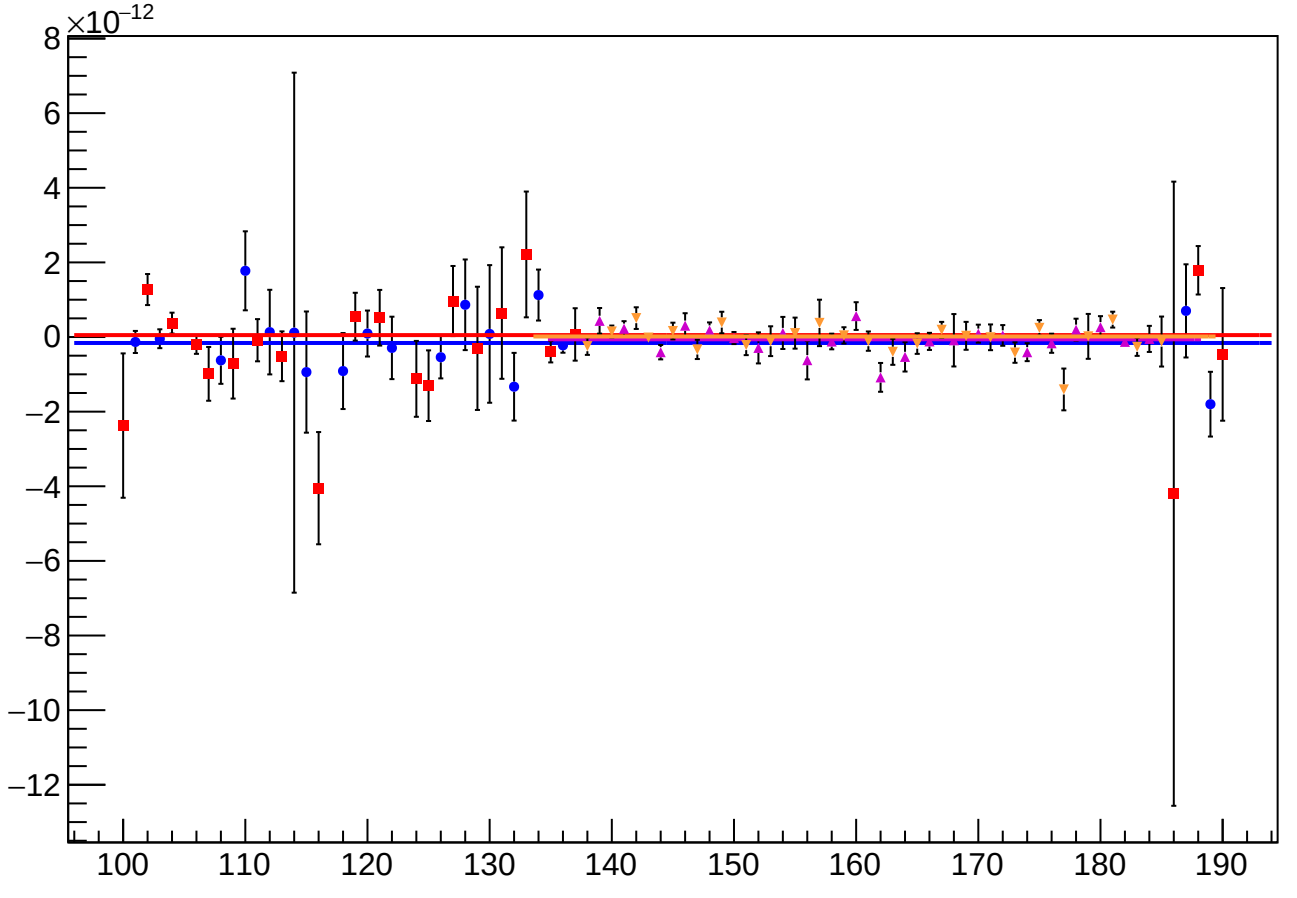
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7542.284+/-1.332 χ^2/NDF: 1659883.1/39

In: 8579.008+/-1.212 χ^2/NDF:2136144.7/40

Out: 8227.641+/-1.131 χ^2/NDF:3381082.5/46

All: 8391.235+/-0.827 χ^2/NDF: 5562129.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/21

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

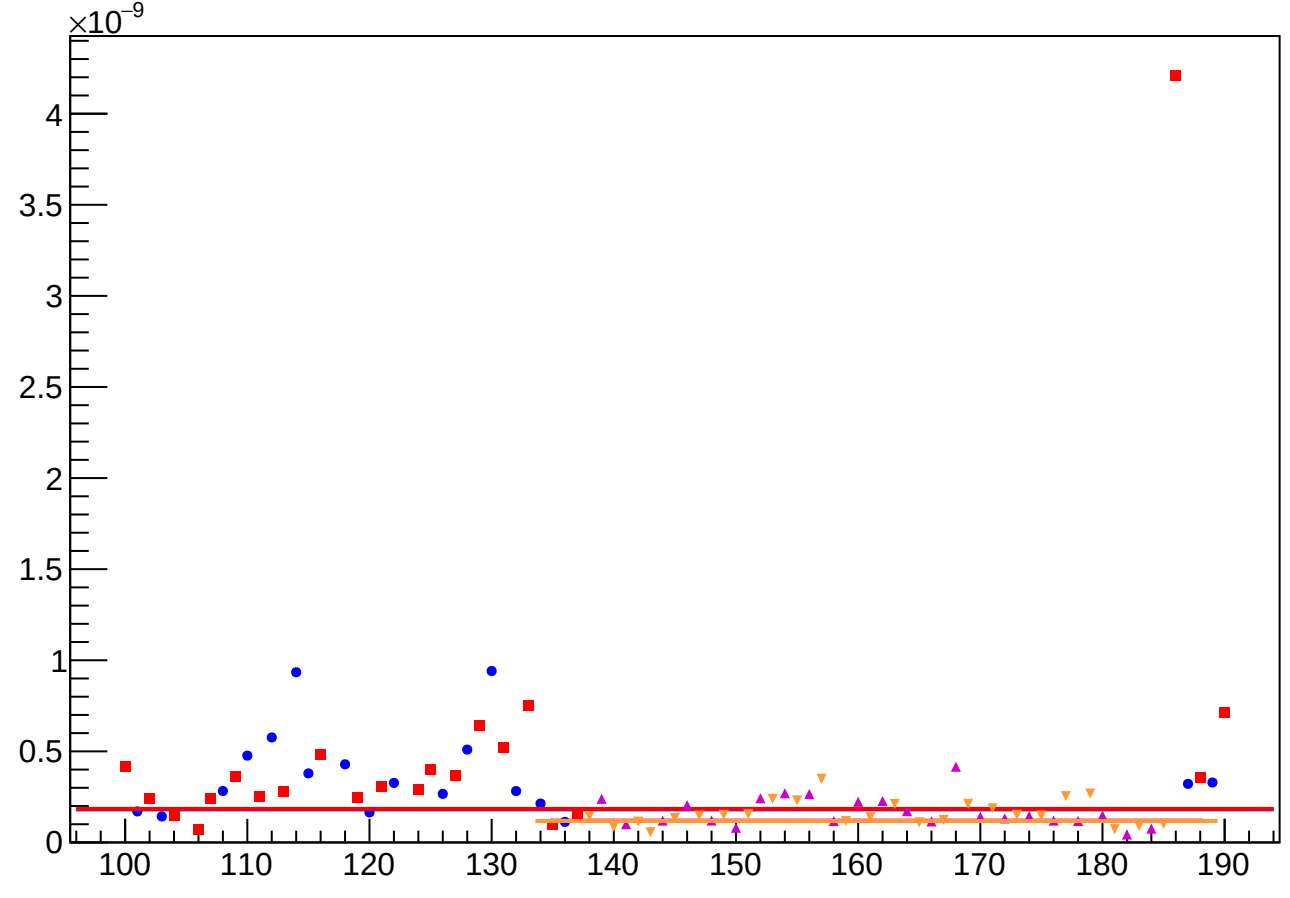
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.7/39

In: -0.000+/-0.000 χ^2/NDF:44.0/40

Out: 0.000+/-0.000 χ^2/NDF:69.4/46

All: -0.000+/-0.000 χ^2/NDF: 115.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 1615147.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2433727.9/21

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

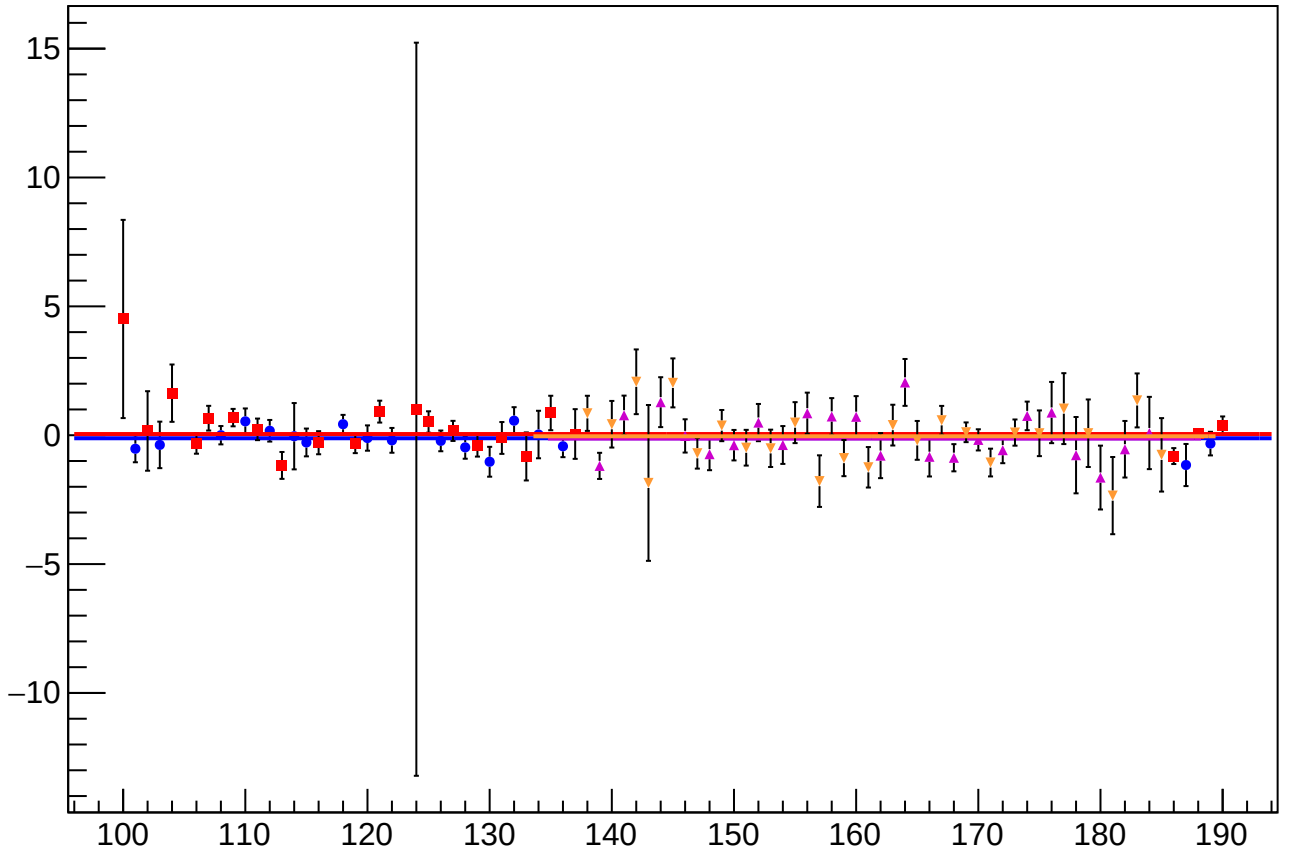
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 4049275.5/39

In: 0.000+/-0.000 χ^2/NDF:4735109.7/40

Out: 0.000+/-0.000 χ^2/NDF:5290407.2/46

All: 0.000+/-0.000 χ^2/NDF: 10029130.7/87



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.090 χ^2/NDF: 34.4/21

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

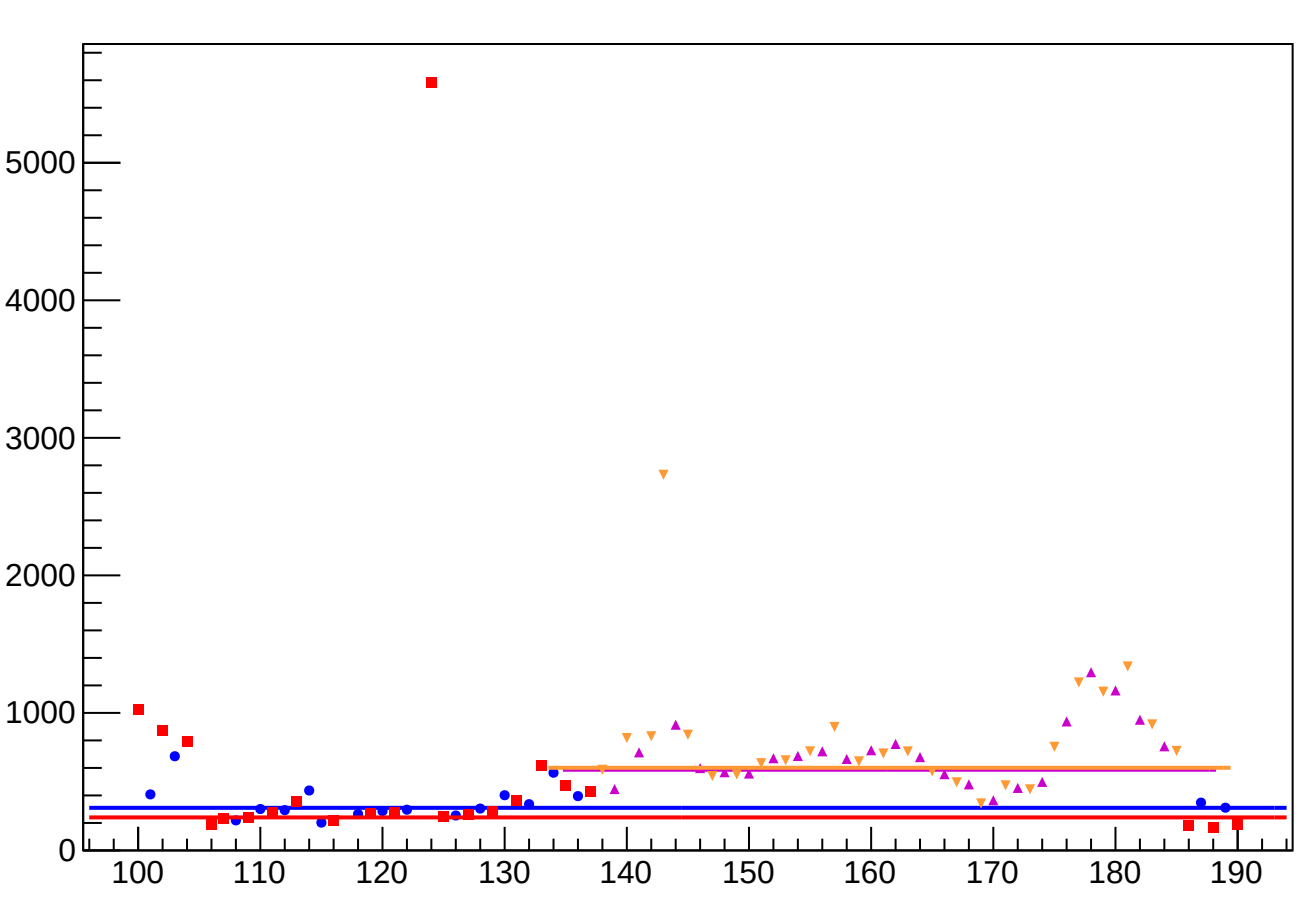
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.015+/-0.071 χ^2/NDF: 48.3/39

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.022+/-0.077 χ^2/NDF:64.8/46

All: -0.038+/-0.059 χ^2/NDF: 107.9/87



Right In: 309.994+/-0.082 χ^2/NDF: 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 240.230+/-0.064 χ^2/NDF: 2569258.5/21

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

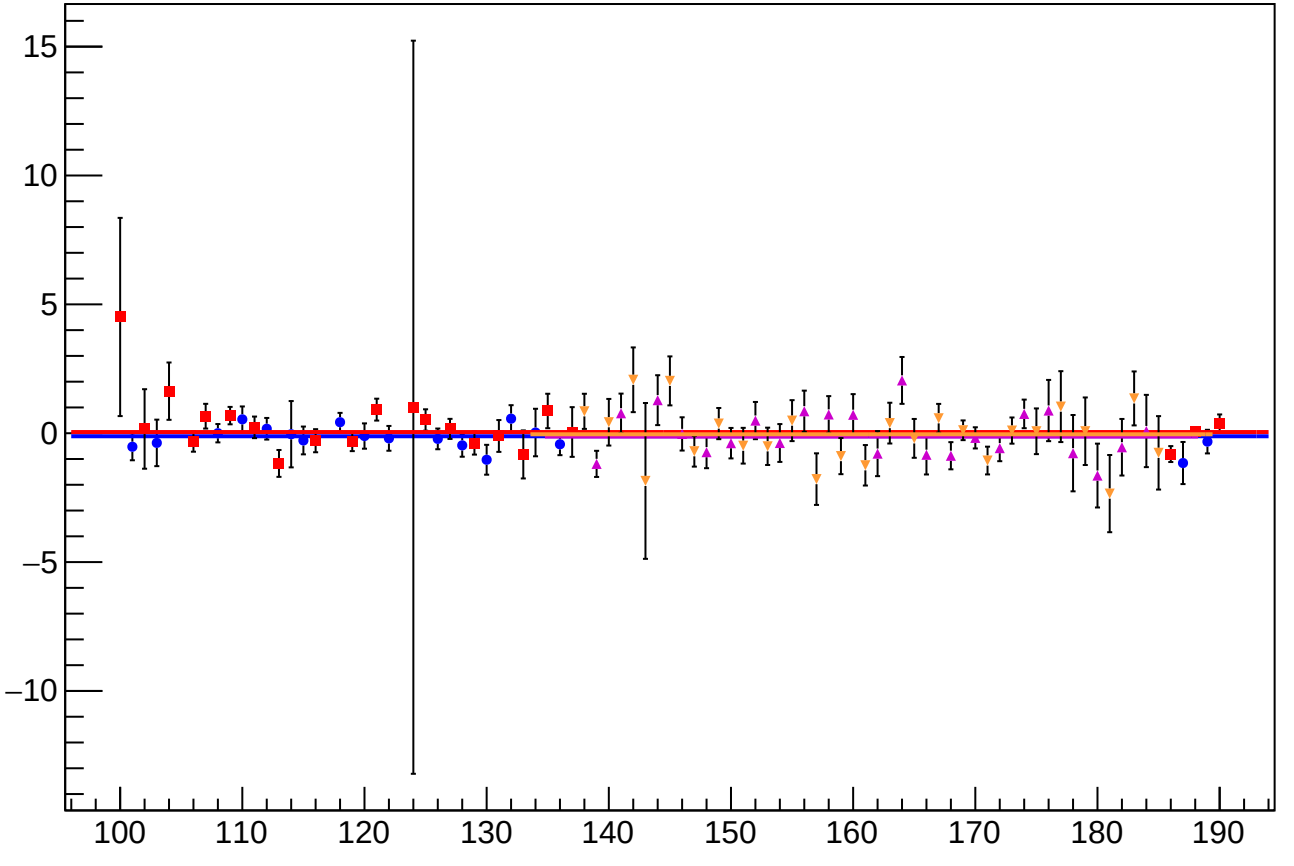
Right: 266.447+/-0.051 χ^2/NDF: 4035393.0/39

In: 418.483+/-0.064 χ^2/NDF:8374025.1/40

Out: 338.855+/-0.055 χ^2/NDF:15733971.4/46

All: 372.176+/-0.042 χ^2/NDF: 25000548.5/87

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.090 χ^2/NDF: 34.4/21

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

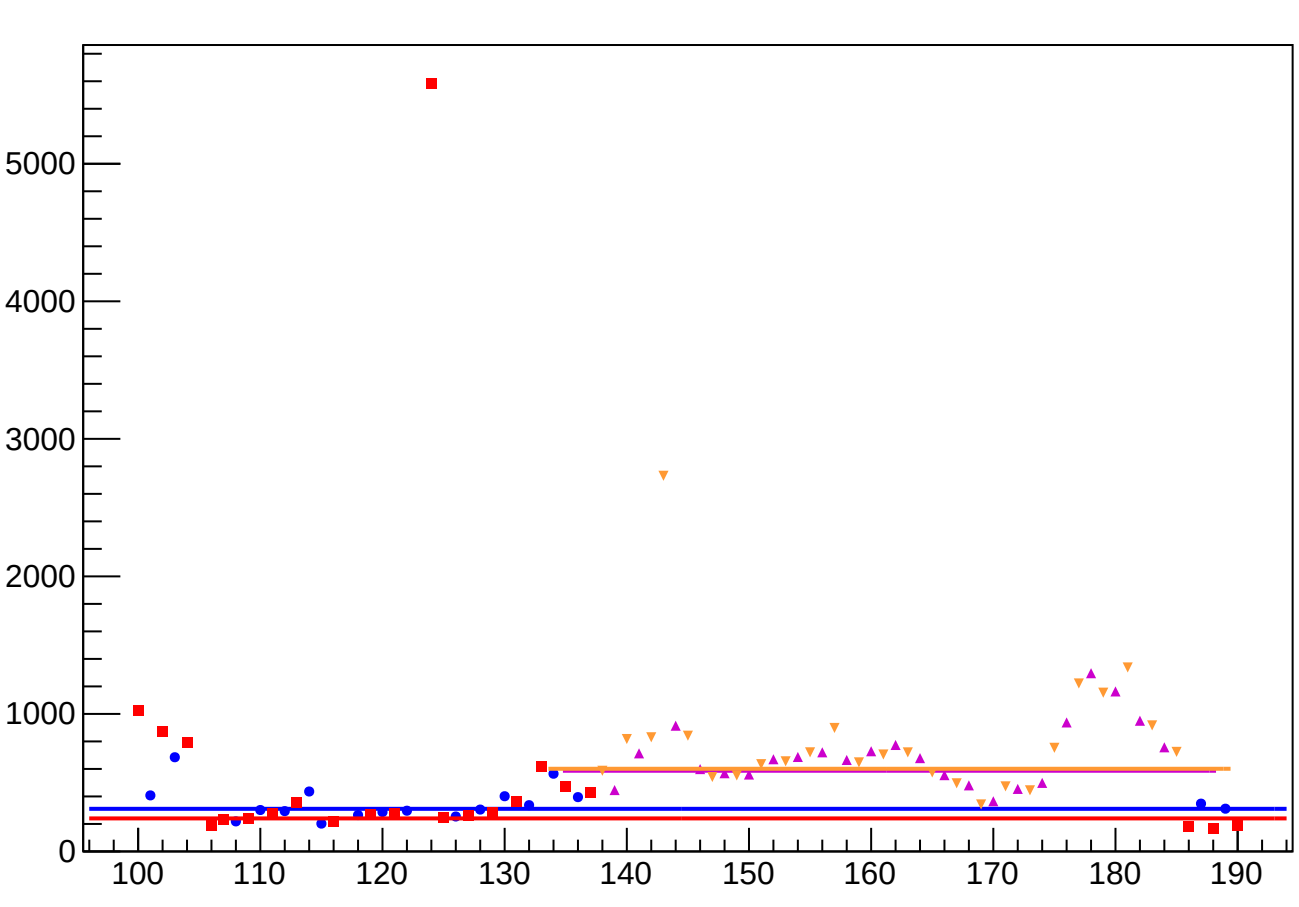
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.015+/-0.071 χ^2/NDF: 48.3/39

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.022+/-0.077 χ^2/NDF:64.8/46

All: -0.038+/-0.059 χ^2/NDF: 107.9/87



Right In: 309.994+/-0.082 χ^2/NDF: 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 240.230+/-0.064 χ^2/NDF: 2569258.5/21

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

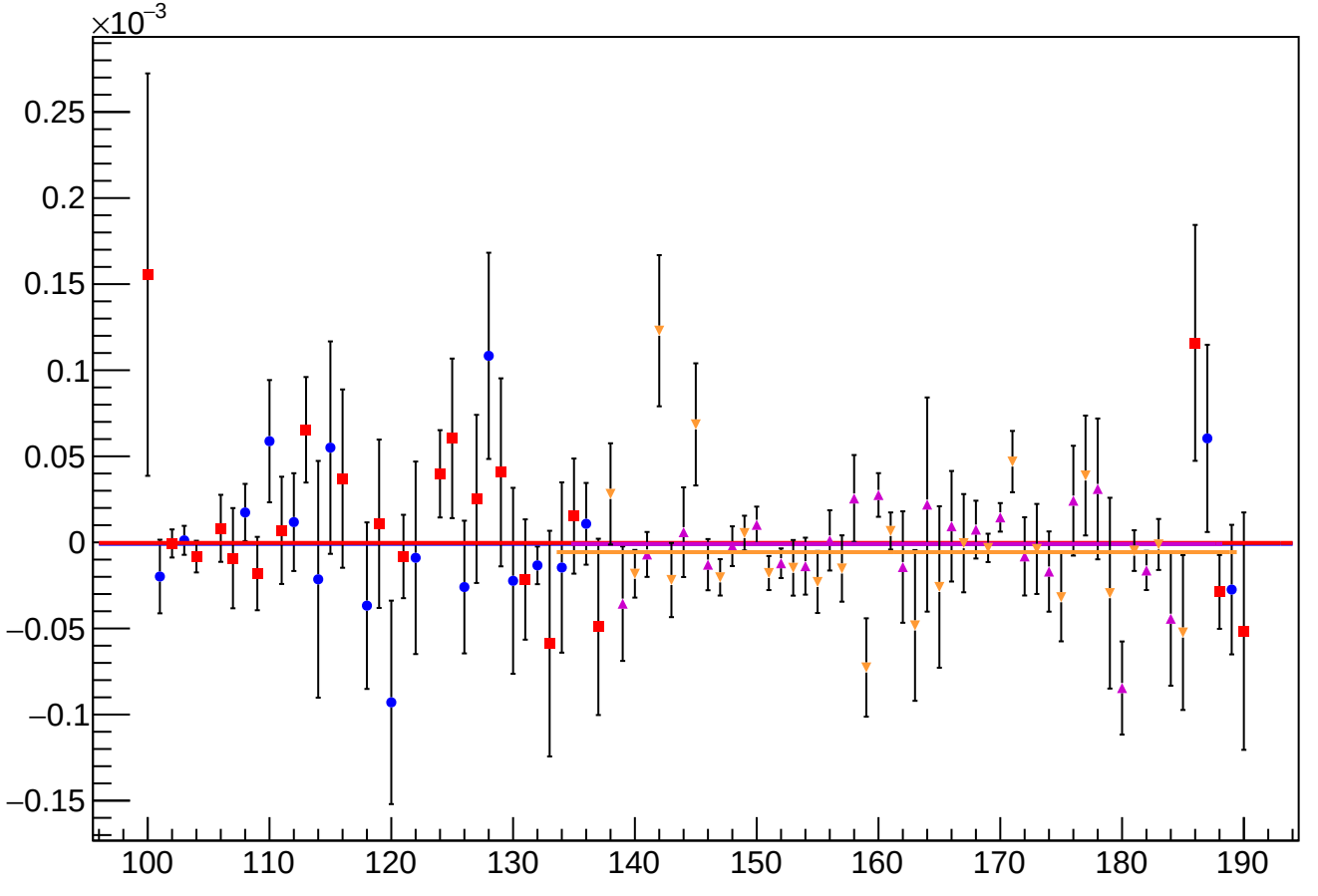
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

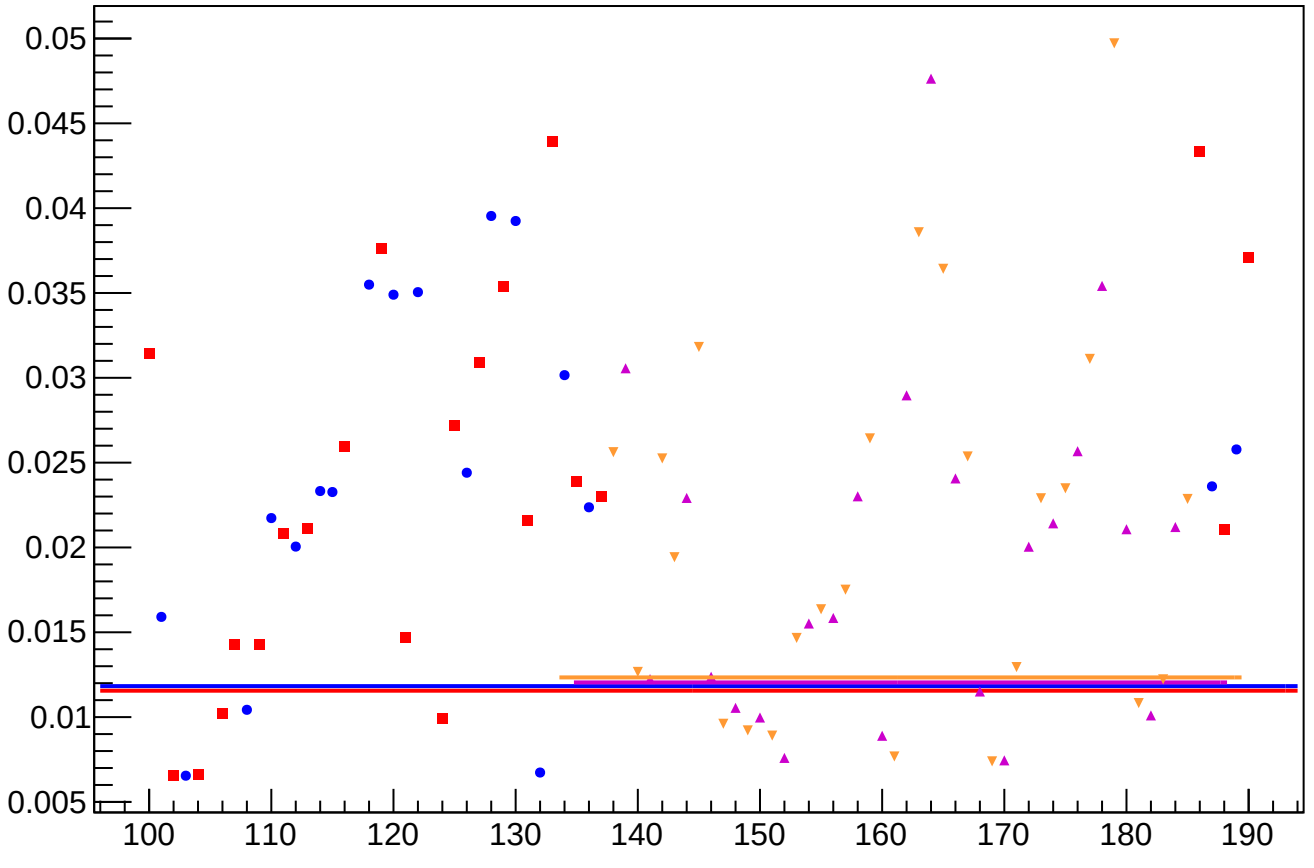
Right: 266.447+/-0.051 χ^2/NDF: 4035393.0/39

In: 418.483+/-0.064 χ^2/NDF:8374025.1/40

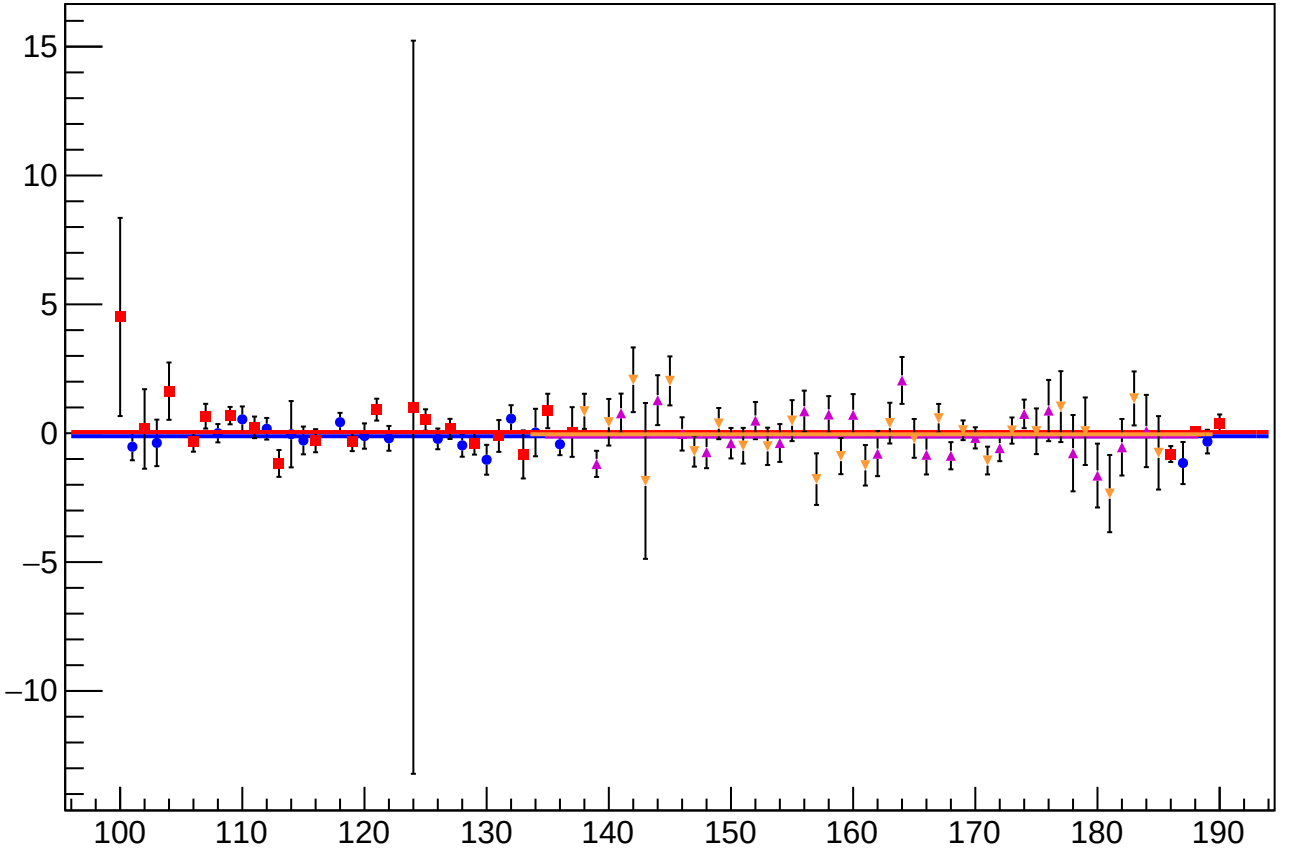
Out: 338.855+/-0.055 χ^2/NDF:15733971.4/46

All: 372.176+/-0.042 χ^2/NDF: 25000548.5/87


asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.3/17
Left Out: -0.000+/-0.000 χ²/NDF:42.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/21
Left In: -0.000+/-0.000 χ²/NDF:30.2/22
Left: -0.000+/-0.000 χ²/NDF: 73.9/47
Right: -0.000+/-0.000 χ²/NDF: 37.7/39
In: -0.000+/-0.000 χ²/NDF:46.5/40
Out: -0.000+/-0.000 χ²/NDF:64.9/46
All: -0.000+/-0.000 χ²/NDF: 112.0/87


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.012+/-0.000 χ²/NDF: 5079549.2/17
Left Out: 0.012+/-0.000 χ²/NDF:7839123.8/24
Right Out: 0.012+/-0.000 χ²/NDF: 5619367.7/21
Left In: 0.012+/-0.000 χ²/NDF:6379401.9/22
Left: 0.012+/-0.000 χ²/NDF: 14226676.0/47
Right: 0.012+/-0.000 χ²/NDF: 10701841.1/39
In: 0.012+/-0.000 χ²/NDF:11461455.2/40
Out: 0.012+/-0.000 χ²/NDF:13496031.1/46
All: 0.012+/-0.000 χ²/NDF: 24958921.8/87

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.090 χ^2/NDF: 34.4/21

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

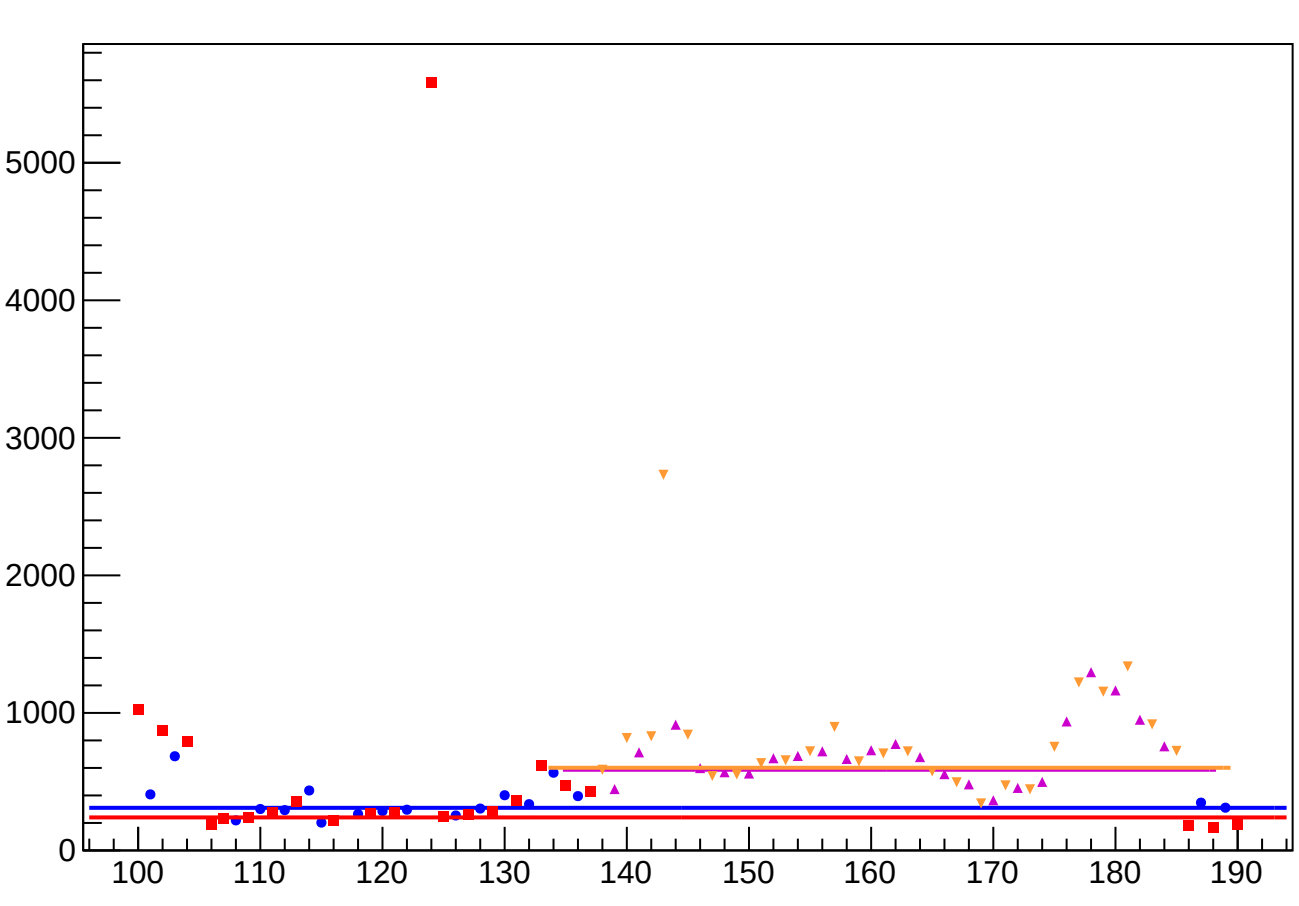
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.015+/-0.071 χ^2/NDF: 48.3/39

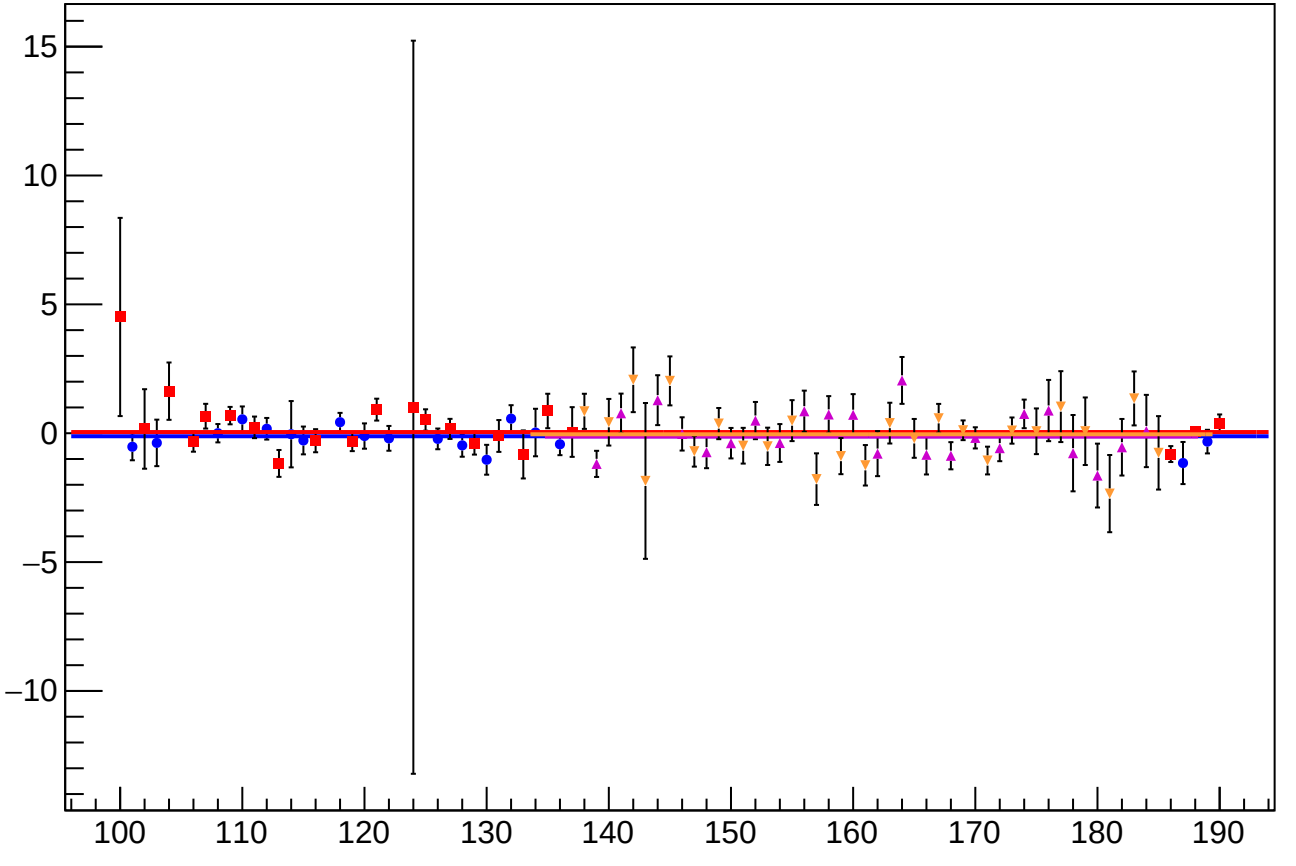
In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.022+/-0.077 χ^2/NDF:64.8/46

All: -0.038+/-0.059 χ^2/NDF: 107.9/87


asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 309.992+/-0.082 χ²/NDF: 1018935.9/17
Left Out: 601.214+/-0.104 χ²/NDF:4460662.1/24
Right Out: 240.224+/-0.064 χ²/NDF: 2569392.4/21
Left In: 586.820+/-0.103 χ²/NDF:2934613.3/22
Left: 593.903+/-0.073 χ²/NDF: 7404947.7/47
Right: 266.442+/-0.051 χ²/NDF: 4035575.0/39
In: 418.482+/-0.064 χ²/NDF:8374235.6/40
Out: 338.847+/-0.055 χ²/NDF:15734717.0/46
All: 372.170+/-0.042 χ²/NDF: 25001679.9/87

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.090 χ^2/NDF: 34.4/21

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

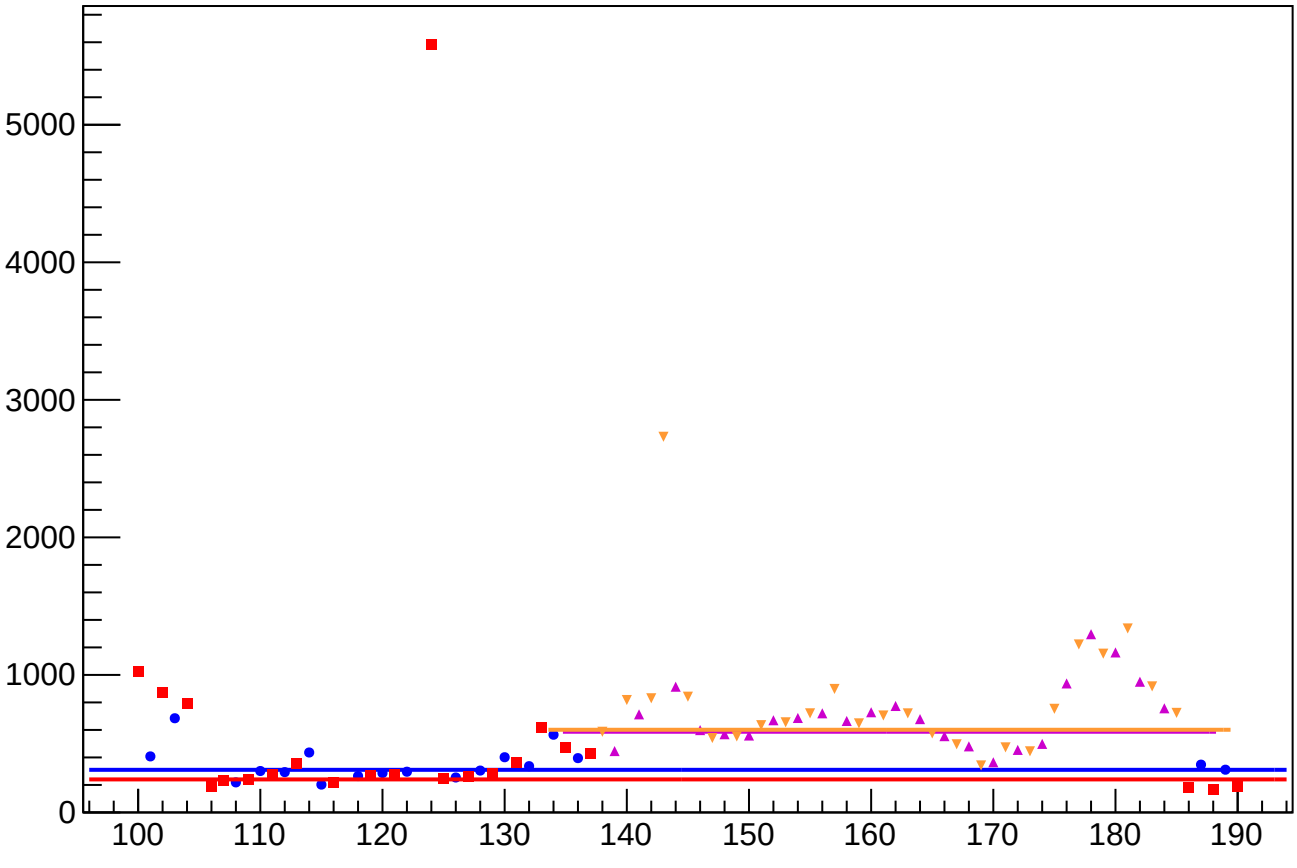
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.015+/-0.071 χ^2/NDF: 48.3/39

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.022+/-0.077 χ^2/NDF:64.8/46

All: -0.038+/-0.059 χ^2/NDF: 107.9/87



Right In: 309.992+/-0.082 χ^2/NDF: 1018935.9/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 240.224+/-0.064 χ^2/NDF: 2569392.4/21

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

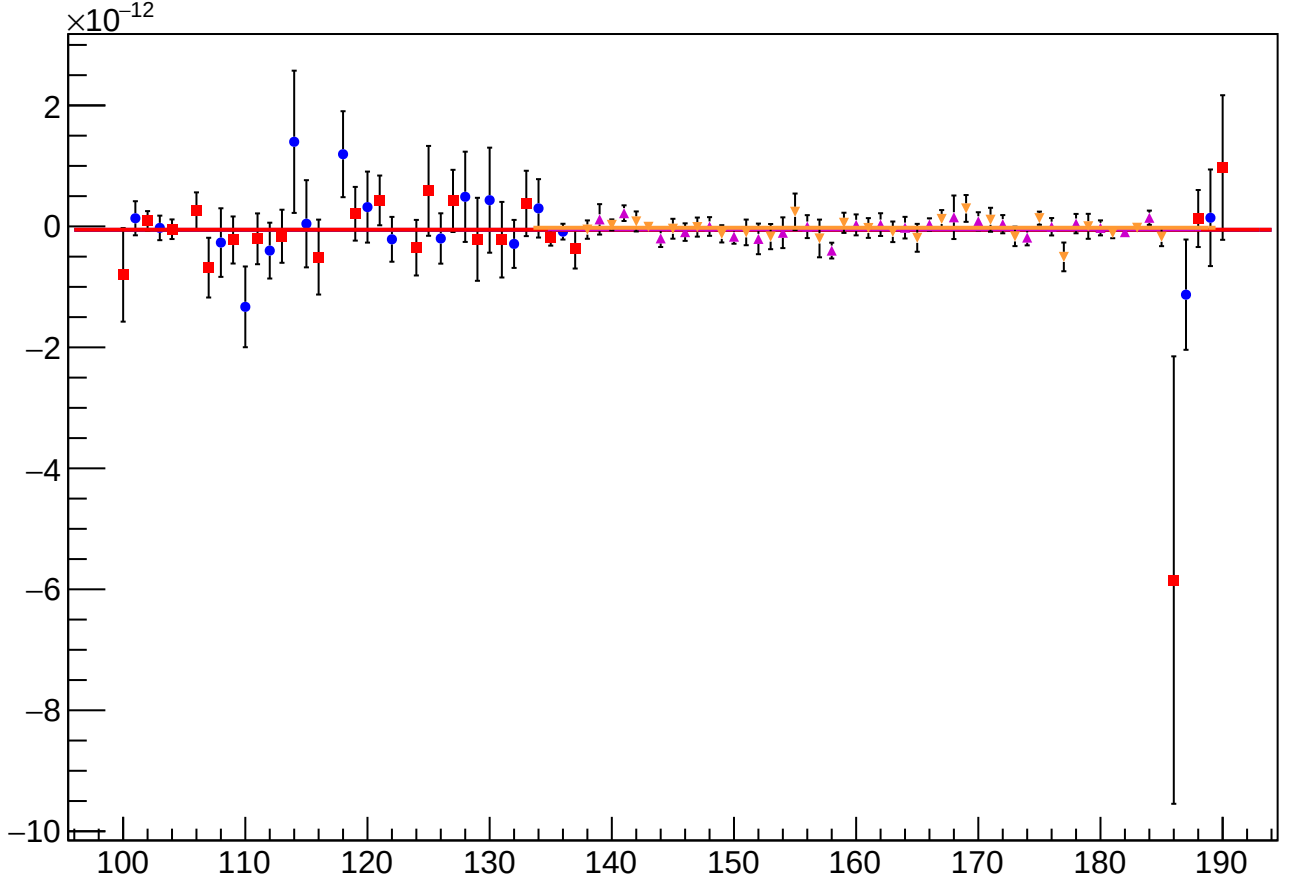
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 266.442+/-0.051 χ^2/NDF: 4035575.0/39

In: 418.482+/-0.064 χ^2/NDF:8374235.6/40

Out: 338.847+/-0.055 χ^2/NDF:15734717.0/46

All: 372.170+/-0.042 χ^2/NDF: 25001679.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/21

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

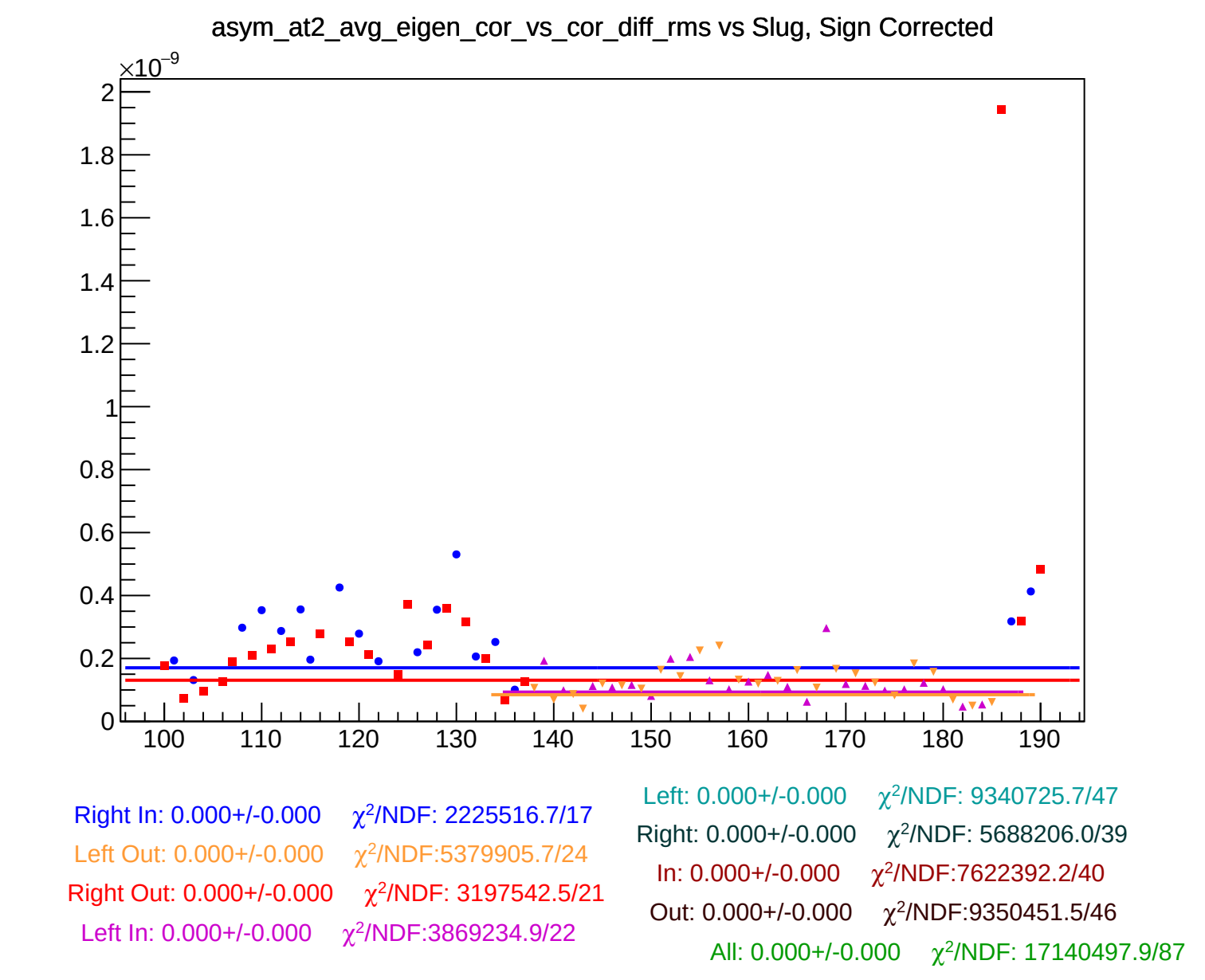
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 28.2/39

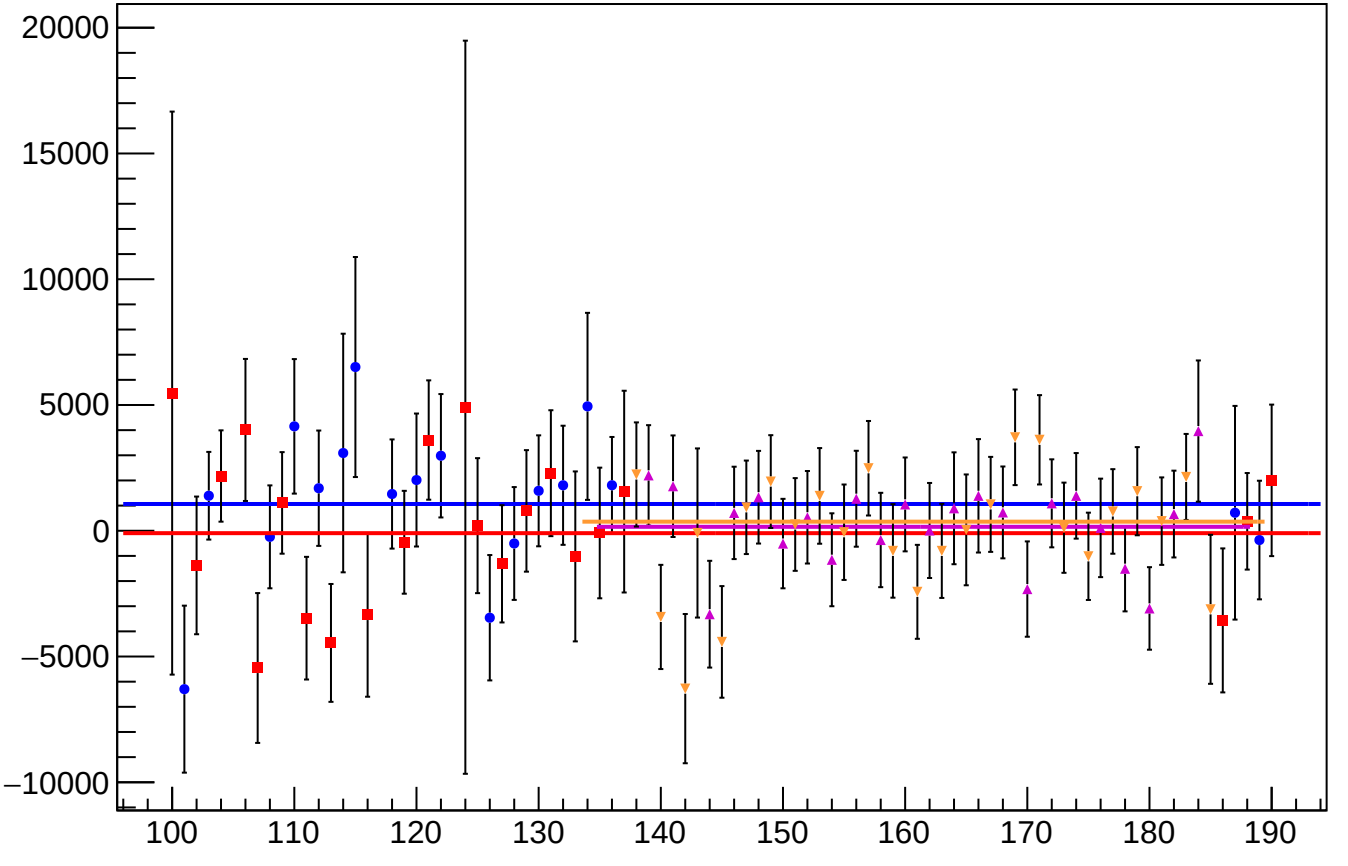
In: -0.000+/-0.000 χ^2/NDF:35.4/40

Out: -0.000+/-0.000 χ^2/NDF:31.3/46

All: -0.000+/-0.000 χ^2/NDF: 67.0/87


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2225516.7/17
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3197542.5/21
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: 5688206.0/39
In: 0.000+/-0.000 χ²/NDF:7622392.2/40
Out: 0.000+/-0.000 χ²/NDF:9350451.5/46
All: 0.000+/-0.000 χ²/NDF: 17140497.9/87

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1064.058+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -95.488+/-554.653 χ^2/NDF: 20.3/21

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

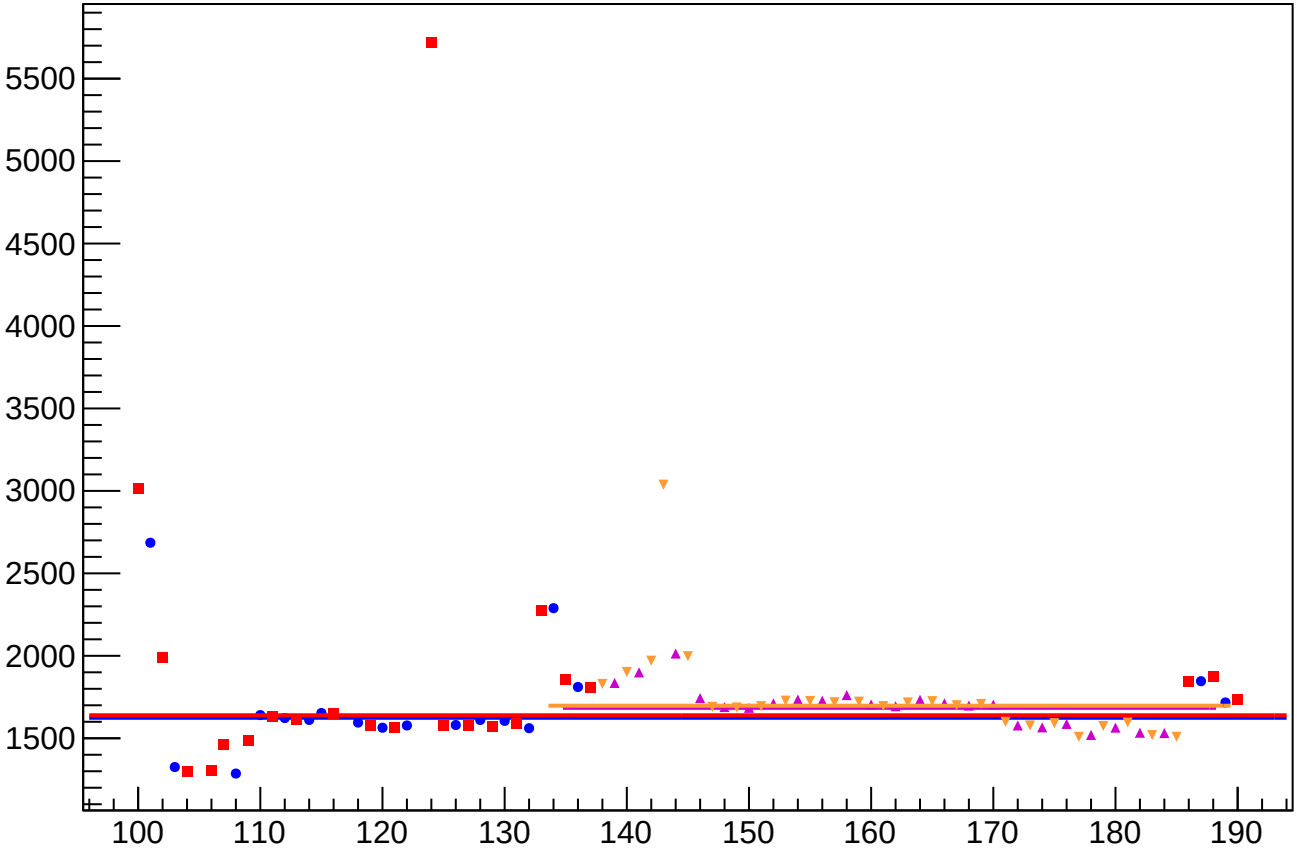
Right: 454.219+/-402.240 χ^2/NDF: 37.2/39

In: 440.860+/-326.800 χ^2/NDF:32.5/40

Out: 211.378+/-318.003 χ^2/NDF:50.3/46

All: 322.989+/-227.909 χ^2/NDF: 83.1/87

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.6/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1639.508+/-0.392 χ^2/NDF: 475015.6/21

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

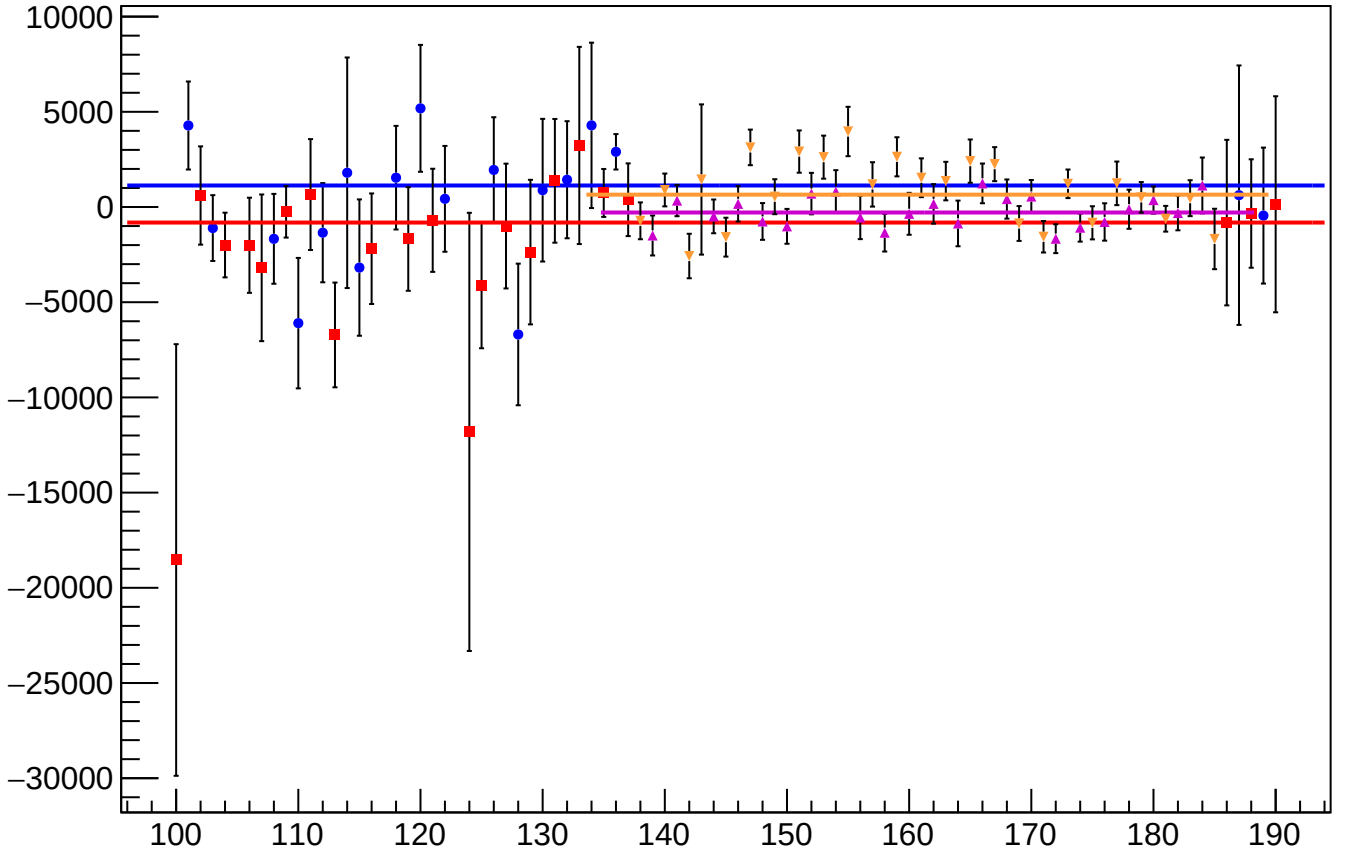
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1632.357+/-0.284 χ^2/NDF: 889571.6/39

In: 1665.753+/-0.231 χ^2/NDF:593779.6/40

Out: 1678.434+/-0.225 χ^2/NDF:985087.8/46

All: 1672.267+/-0.161 χ^2/NDF: 1580414.1/87



Right In: 1130.237+/-569.593 χ^2/NDF: 22.2/17

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -816.462+/-540.308 χ^2/NDF: 14.3/21

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

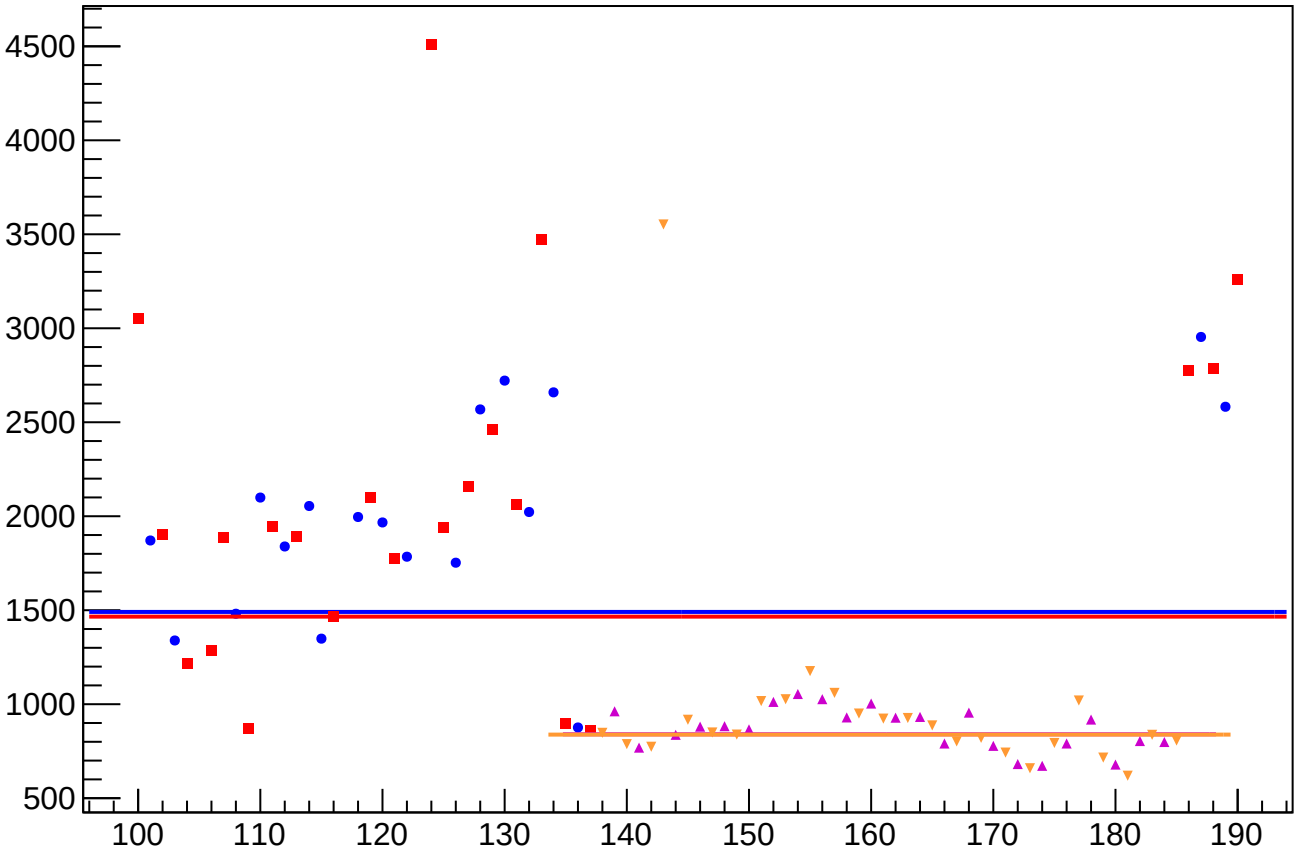
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 105.558+/-392.000 χ^2/NDF: 42.7/39

In: -134.968+/-187.439 χ^2/NDF:44.3/40

Out: 479.235+/-183.978 χ^2/NDF:86.3/46

All: 177.856+/-131.298 χ^2/NDF: 136.1/87



Right In: 1490.906+/-0.403 χ^2/NDF: 2079139.6/17

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1465.917+/-0.382 χ^2/NDF: 2994916.1/21

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

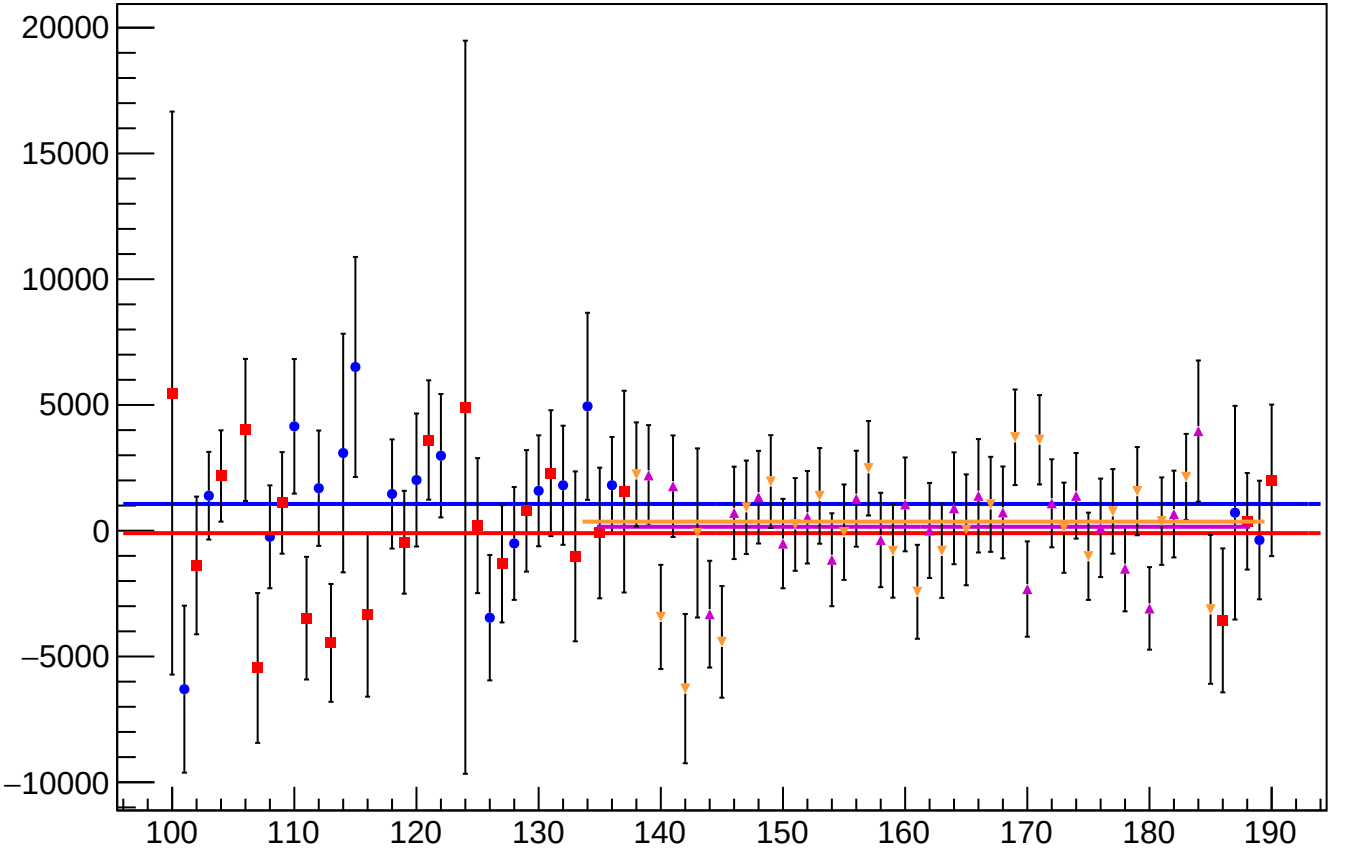
Right: 1477.753+/-0.277 χ^2/NDF: 5076082.0/39

In: 910.465+/-0.133 χ^2/NDF:5077606.1/40

Out: 911.018+/-0.130 χ^2/NDF:7181297.8/46

All: 910.747+/-0.093 χ^2/NDF: 12258912.8/87

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1063.963+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -95.766+/-554.653 χ^2/NDF: 20.3/21

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

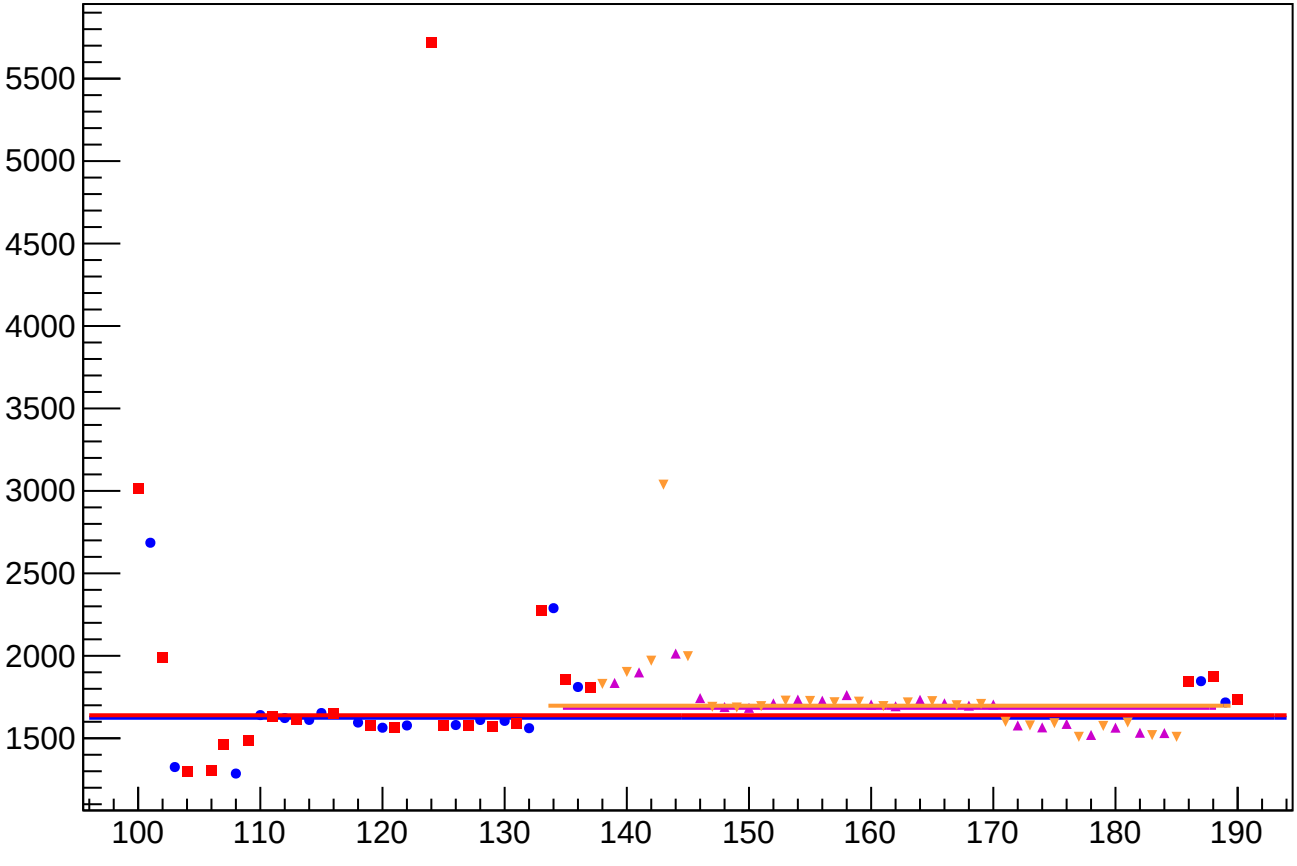
Right: 454.029+/-402.240 χ^2/NDF: 37.2/39

In: 440.765+/-326.800 χ^2/NDF:32.5/40

Out: 211.230+/-318.003 χ^2/NDF:50.3/46

All: 322.867+/-227.909 χ^2/NDF: 83.1/87

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1639.508+/-0.392 χ^2/NDF: 475015.6/21

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

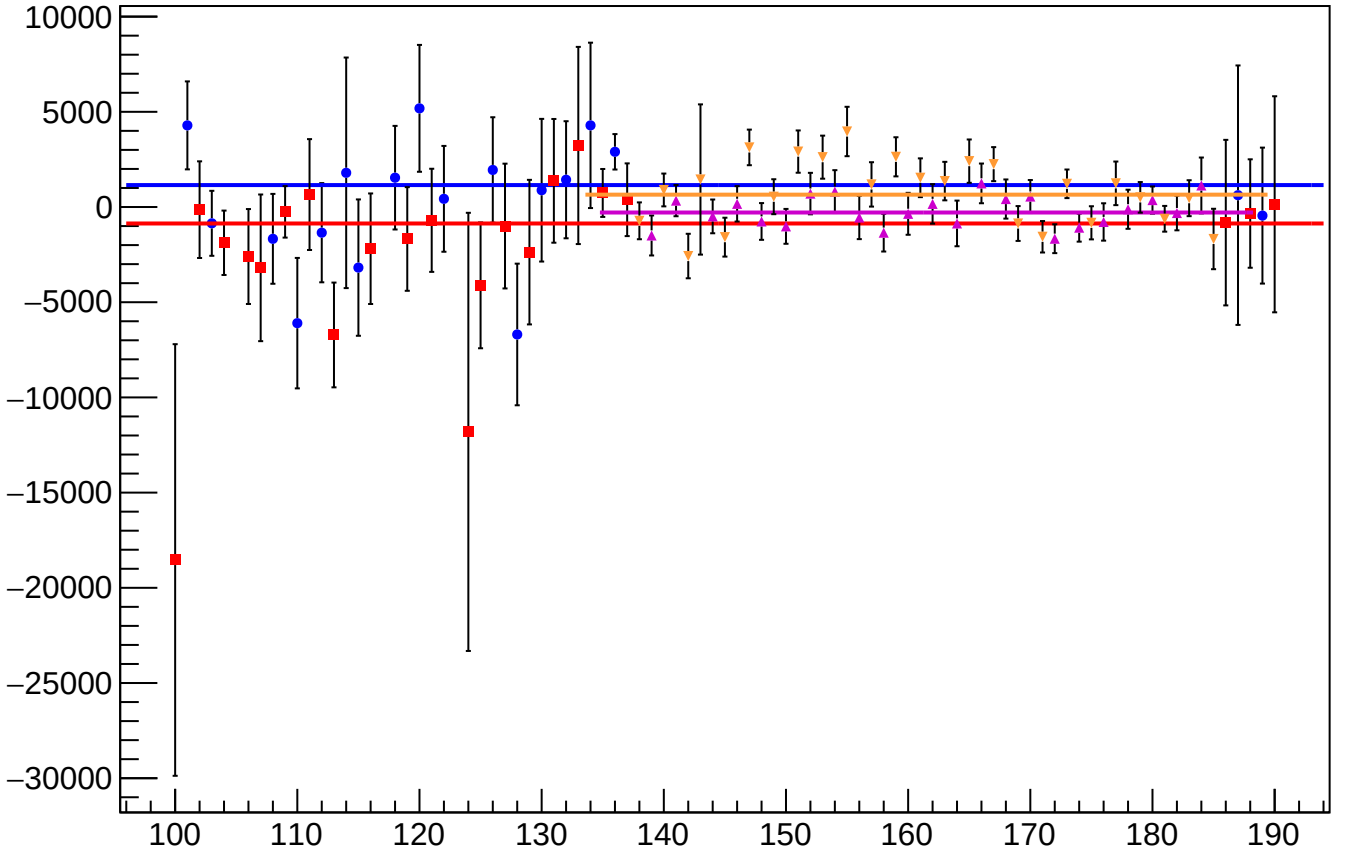
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1632.357+/-0.284 χ^2/NDF: 889571.9/39

In: 1665.753+/-0.231 χ^2/NDF:593779.9/40

Out: 1678.434+/-0.225 χ^2/NDF:985087.9/46

All: 1672.267+/-0.161 χ^2/NDF: 1580414.5/87



Right In: 1152.469+/-568.811 χ^2/NDF: 21.9/17

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -865.032+/-539.605 χ^2/NDF: 14.3/21

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

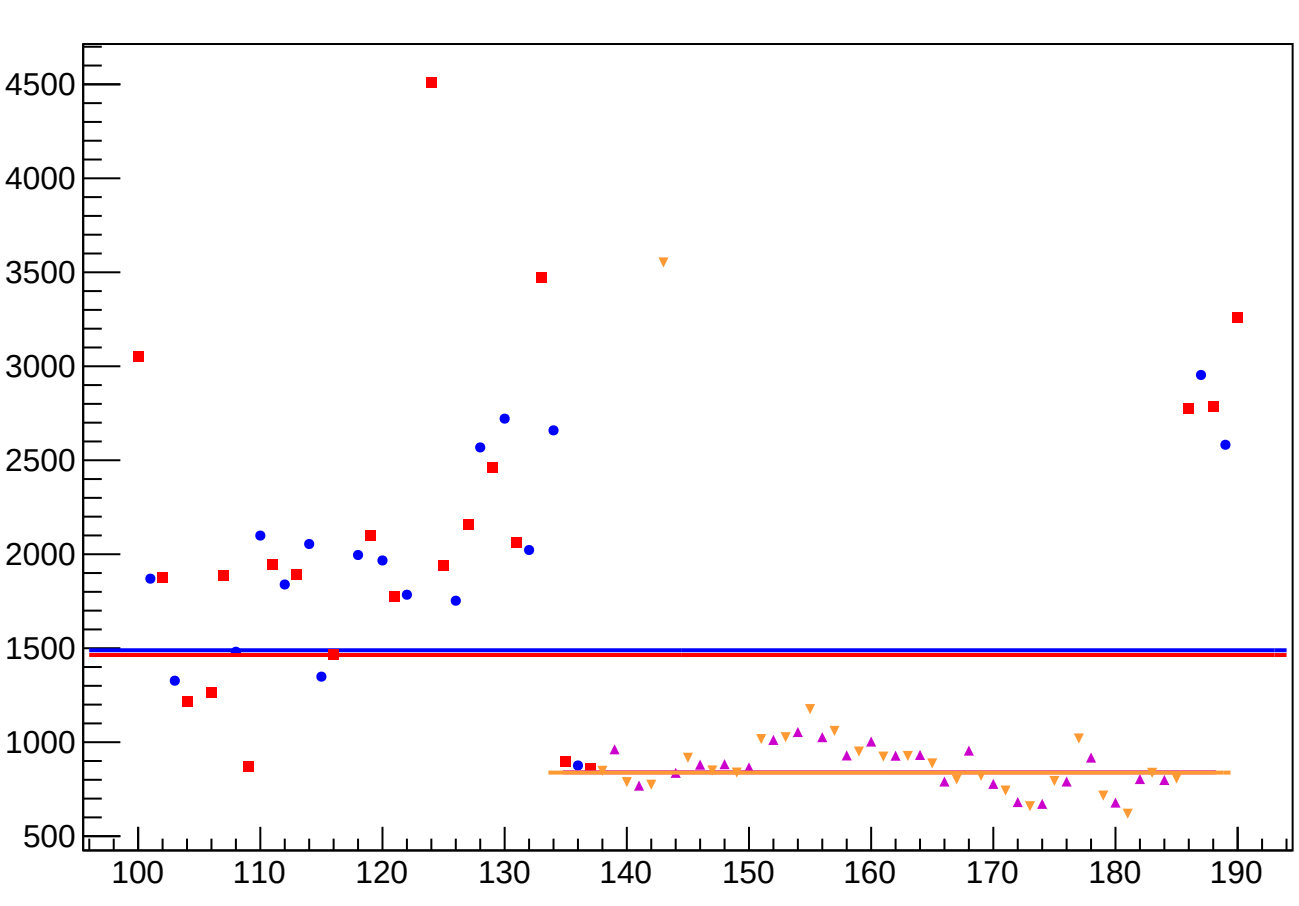
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 90.595+/-391.476 χ^2/NDF: 42.8/39

In: -132.164+/-187.411 χ^2/NDF:44.2/40

Out: 473.194+/-183.952 χ^2/NDF:86.8/46

All: 176.153+/-131.280 χ^2/NDF: 136.2/87



Right In: 1489.161+/-0.402 χ^2/NDF: 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1463.774+/-0.382 χ^2/NDF: 2993047.7/21

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

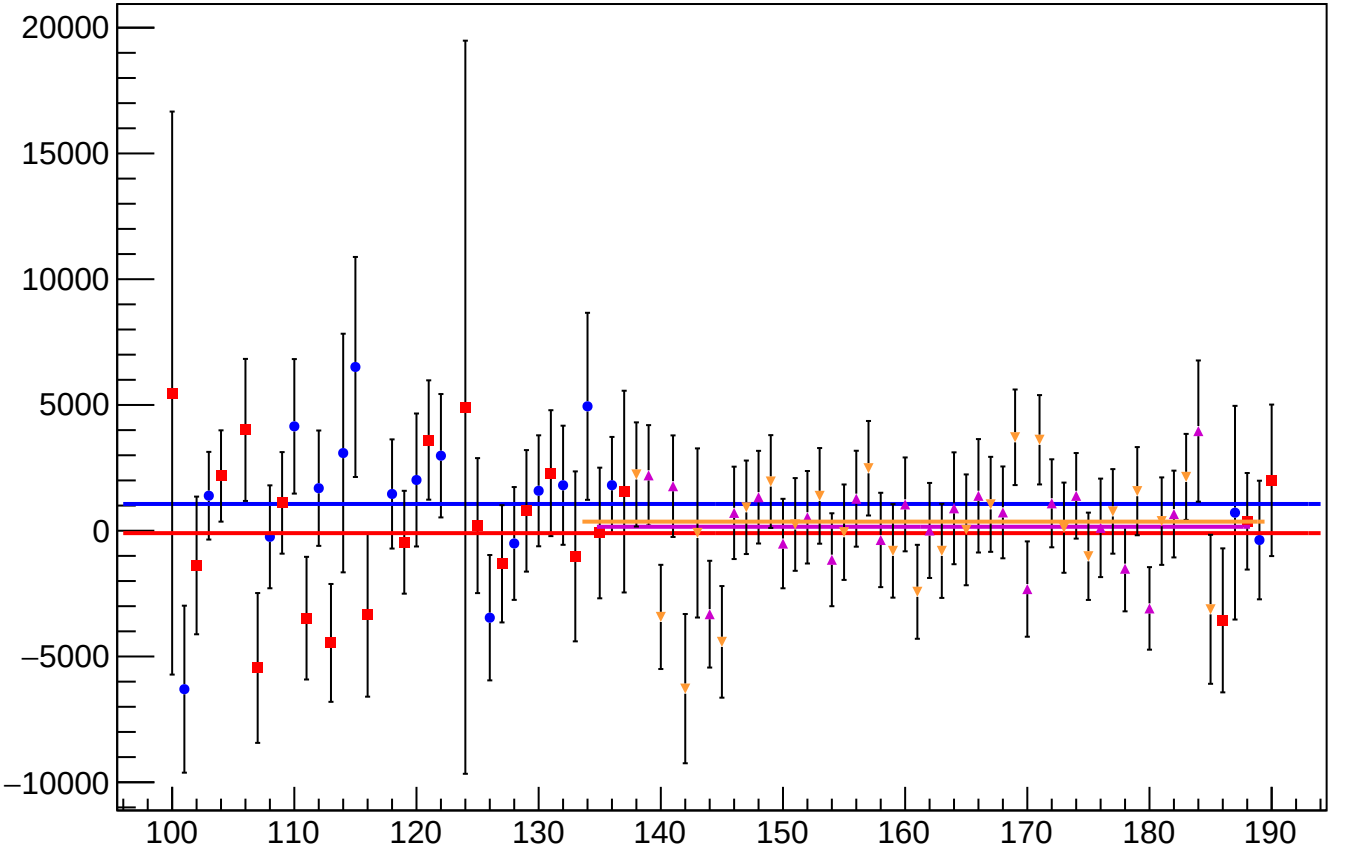
Right: 1475.799+/-0.277 χ^2/NDF: 5076938.2/39

In: 910.451+/-0.133 χ^2/NDF:5073447.4/40

Out: 910.948+/-0.130 χ^2/NDF:7168431.1/46

All: 910.704+/-0.093 χ^2/NDF: 12241885.6/87

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1063.963+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -95.766+/-554.653 χ^2/NDF: 20.3/21

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

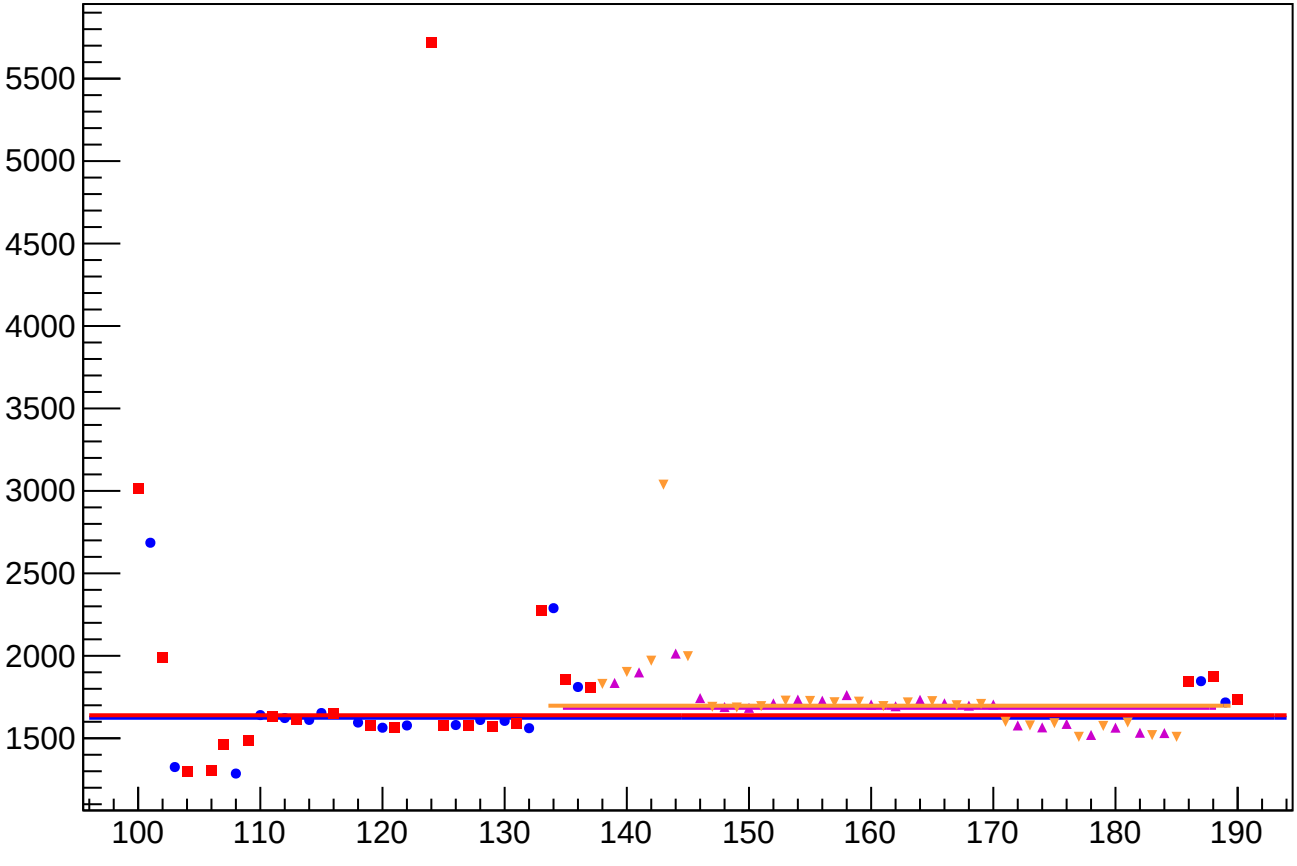
Right: 454.029+/-402.240 χ^2/NDF: 37.2/39

In: 440.765+/-326.800 χ^2/NDF:32.5/40

Out: 211.230+/-318.003 χ^2/NDF:50.3/46

All: 322.867+/-227.909 χ^2/NDF: 83.1/87

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1639.508+/-0.392 χ^2/NDF: 475015.6/21

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

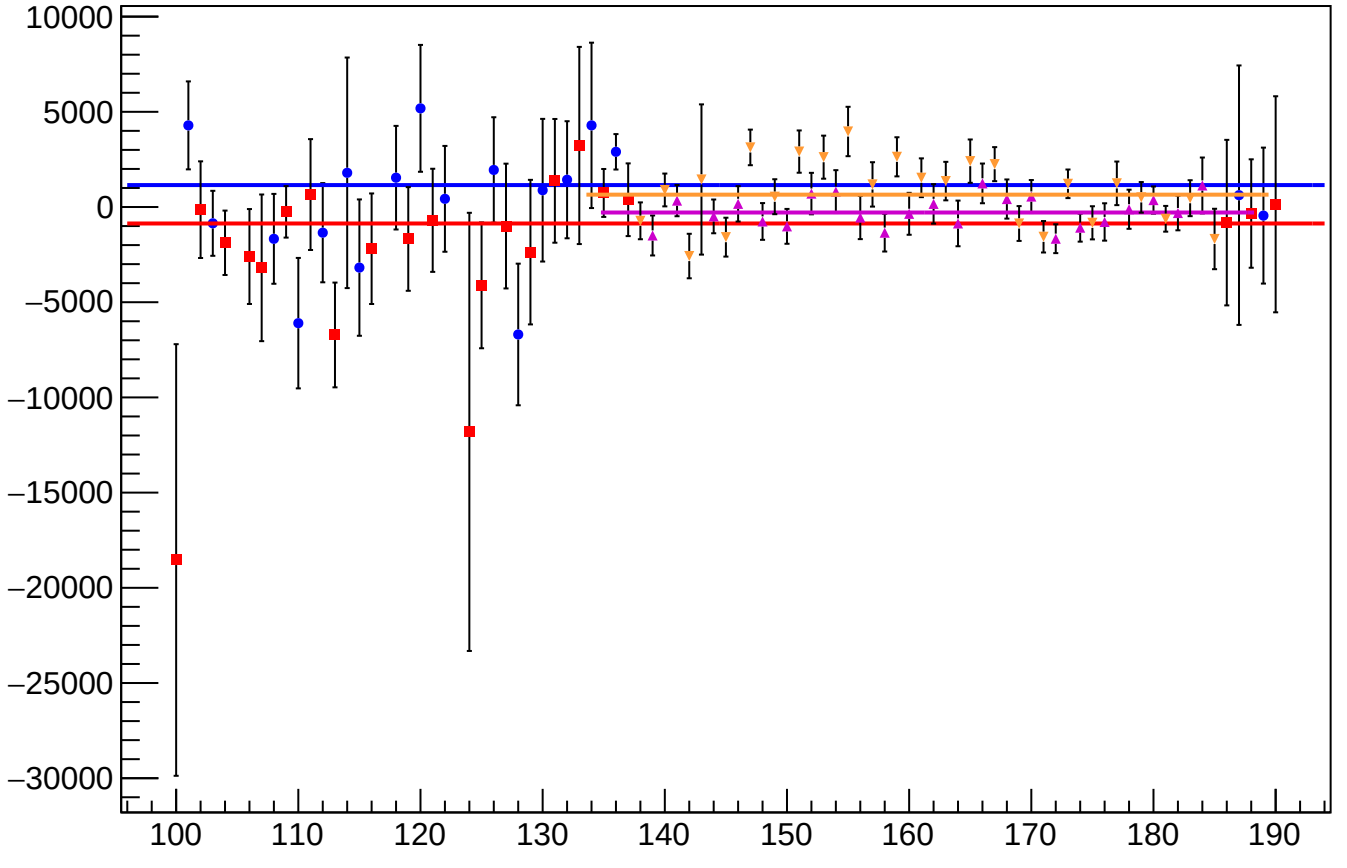
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1632.357+/-0.284 χ^2/NDF: 889571.9/39

In: 1665.753+/-0.231 χ^2/NDF:593779.9/40

Out: 1678.434+/-0.225 χ^2/NDF:985087.9/46

All: 1672.267+/-0.161 χ^2/NDF: 1580414.5/87



Right In: 1152.469+/-568.811 χ^2/NDF: 21.9/17

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -865.032+/-539.605 χ^2/NDF: 14.3/21

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

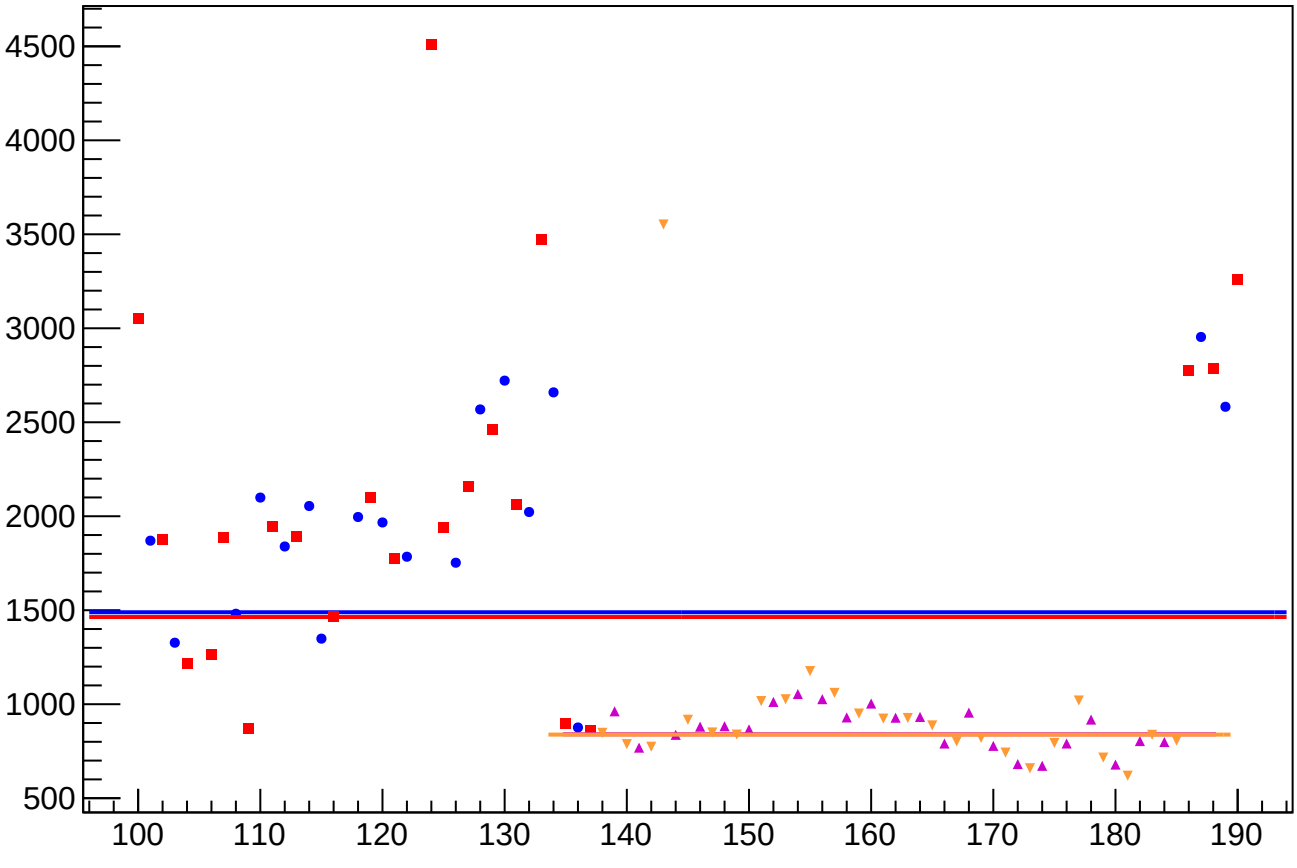
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 90.595+/-391.476 χ^2/NDF: 42.8/39

In: -132.164+/-187.411 χ^2/NDF:44.2/40

Out: 473.194+/-183.952 χ^2/NDF:86.8/46

All: 176.153+/-131.280 χ^2/NDF: 136.2/87



Right In: 1489.161+/-0.402 χ^2/NDF: 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1463.774+/-0.382 χ^2/NDF: 2993047.7/21

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

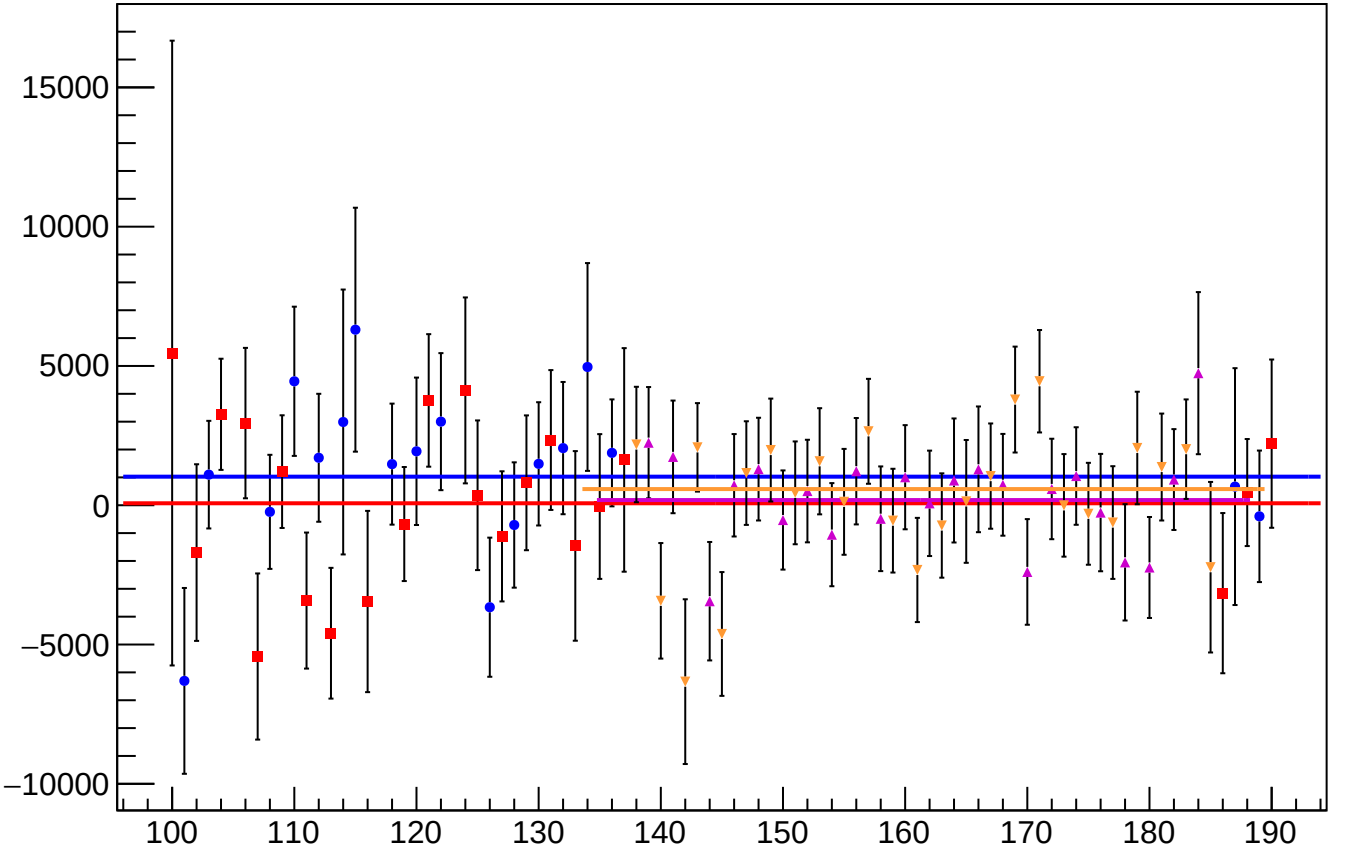
Right: 1475.799+/-0.277 χ^2/NDF: 5076938.2/39

In: 910.451+/-0.133 χ^2/NDF:5073447.4/40

Out: 910.948+/-0.130 χ^2/NDF:7168431.1/46

All: 910.704+/-0.093 χ^2/NDF: 12241885.6/87

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1025.890+/-591.357 χ^2/NDF: 15.4/17

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 70.625+/-554.614 χ^2/NDF: 22.5/21

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

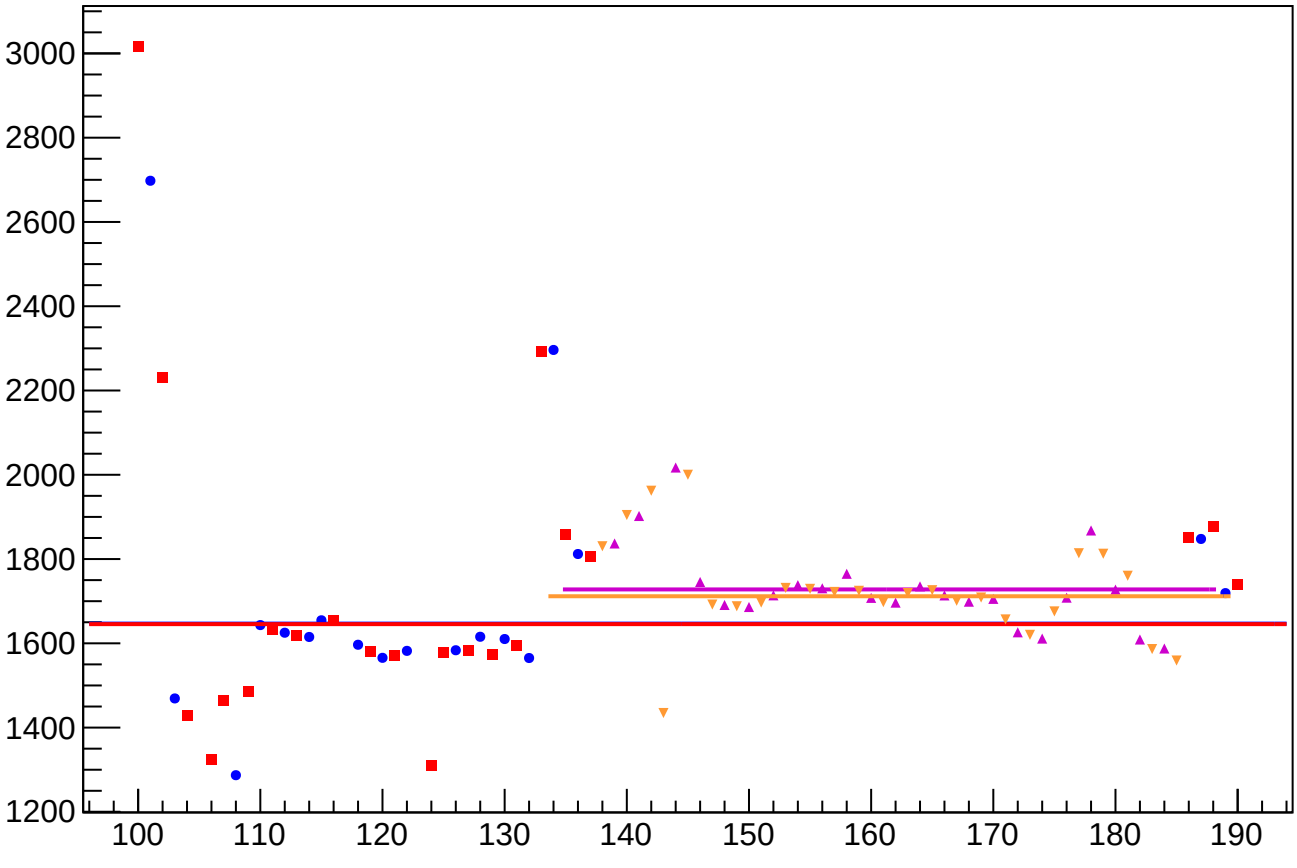
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 517.660+/-404.538 χ^2/NDF: 39.3/39

In: 453.234+/-333.638 χ^2/NDF:31.2/40

Out: 411.797+/-318.895 χ^2/NDF:55.0/46

All: 431.580+/-230.529 χ^2/NDF: 86.2/87



Right In: 1646.760+/-0.418 χ^2/NDF: 368210.3/17

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1645.534+/-0.392 χ^2/NDF: 328741.0/21

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

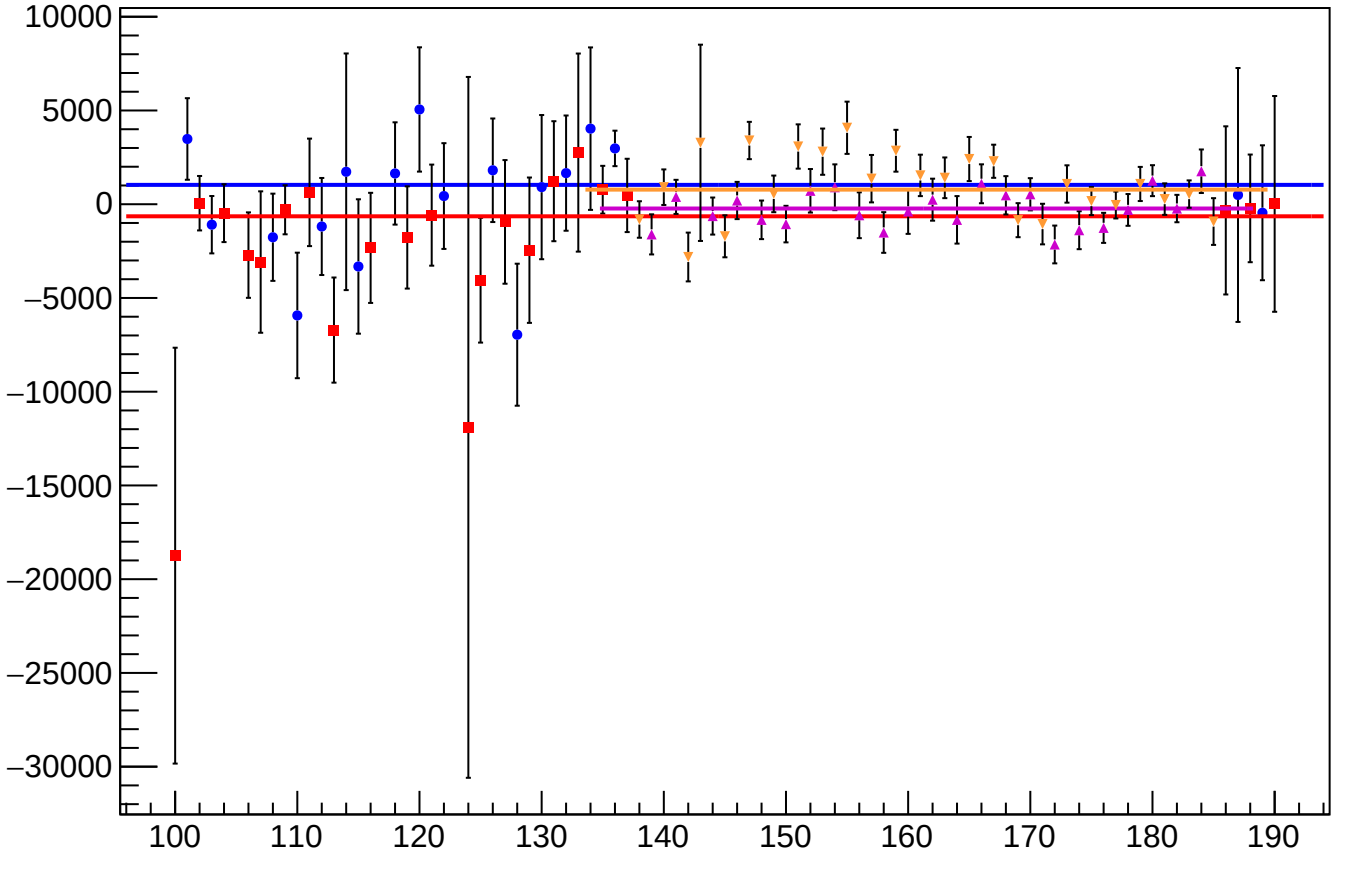
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1646.108+/-0.286 χ^2/NDF: 696955.9/39

In: 1702.081+/-0.236 χ^2/NDF:494112.6/40

Out: 1689.833+/-0.225 χ^2/NDF:515808.7/46

All: 1695.680+/-0.163 χ^2/NDF: 1011329.8/87



Right In: 1032.217+/-562.577 χ^2/NDF: 22.2/17

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -643.975+/-509.615 χ^2/NDF: 13.6/21

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

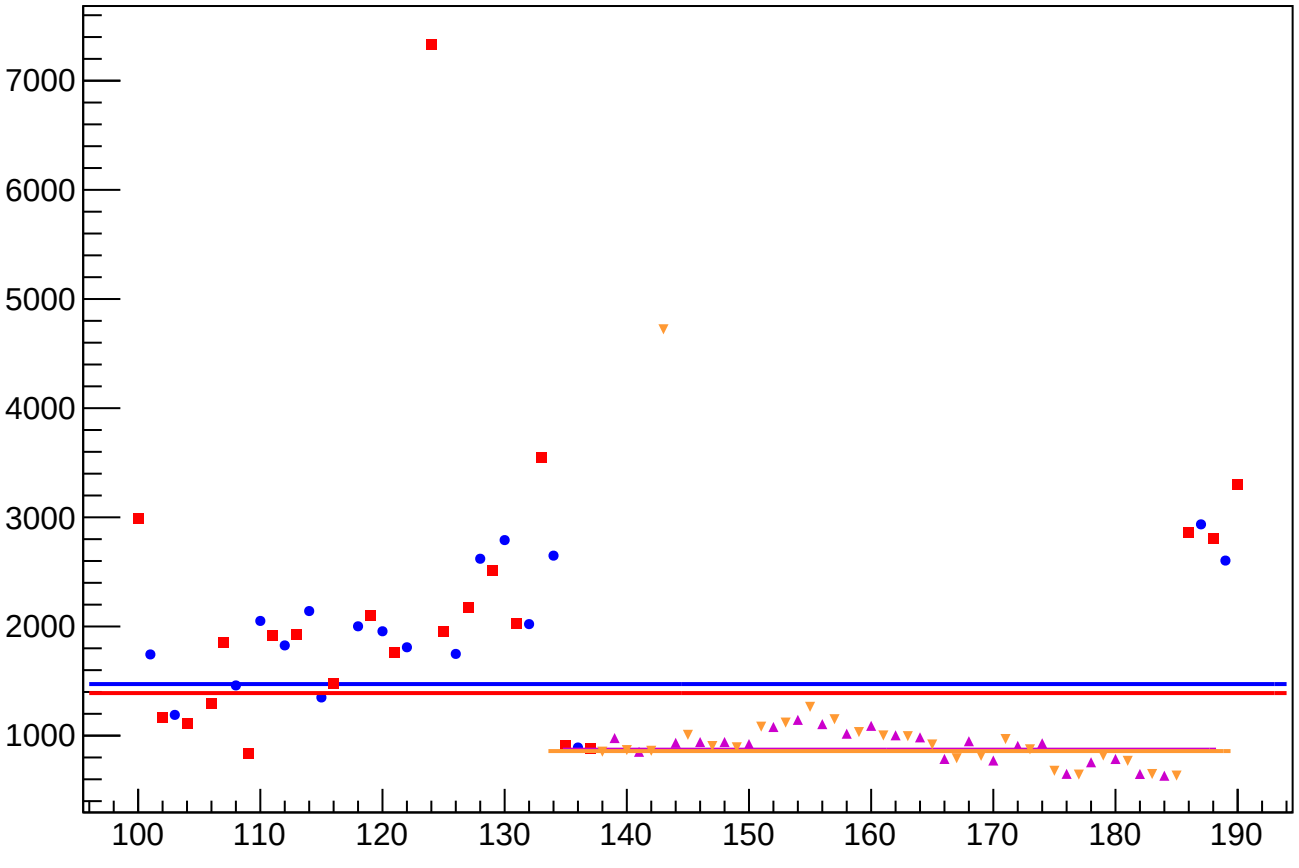
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

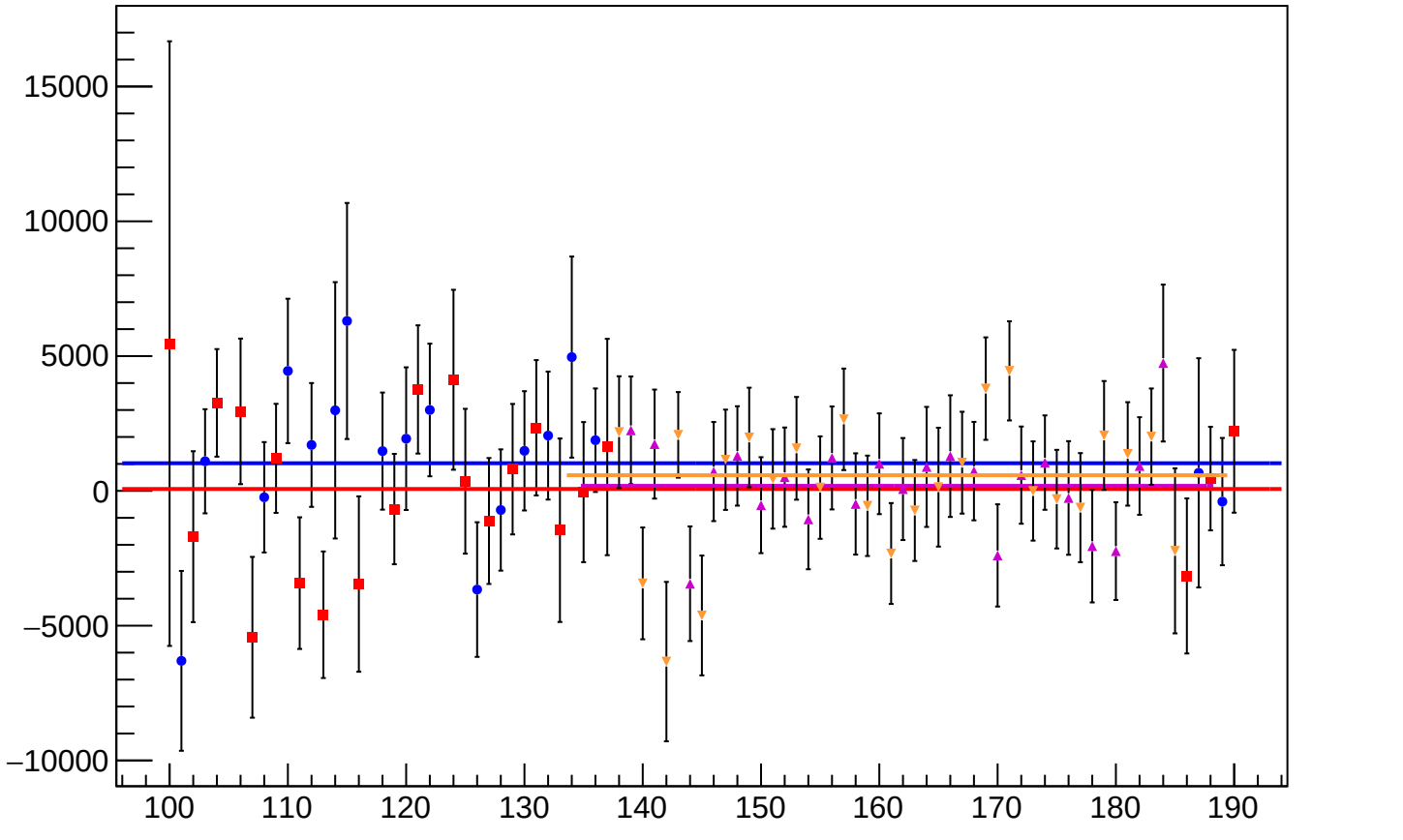
Right: 111.525+/-377.692 χ^2/NDF: 40.7/39

In: -78.881+/-194.021 χ^2/NDF:49.3/40

Out: 586.357+/-187.497 χ^2/NDF:74.9/46

All: 265.110+/-134.828 χ^2/NDF: 130.2/87


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1472.458+/-0.398 χ²/NDF: 2063926.1/17
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1389.911+/-0.360 χ²/NDF: 3158632.6/21
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1427.117+/-0.267 χ²/NDF: 5246210.4/39
In: 943.002+/-0.137 χ²/NDF:5053855.7/40
Out: 930.514+/-0.133 χ²/NDF:7318100.5/46
All: 936.545+/-0.095 χ²/NDF: 12376240.6/87



Right In: 1025.891+/-591.357 χ^2/NDF: 15.4/17

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 70.628+/-554.614 χ^2/NDF: 22.5/21

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

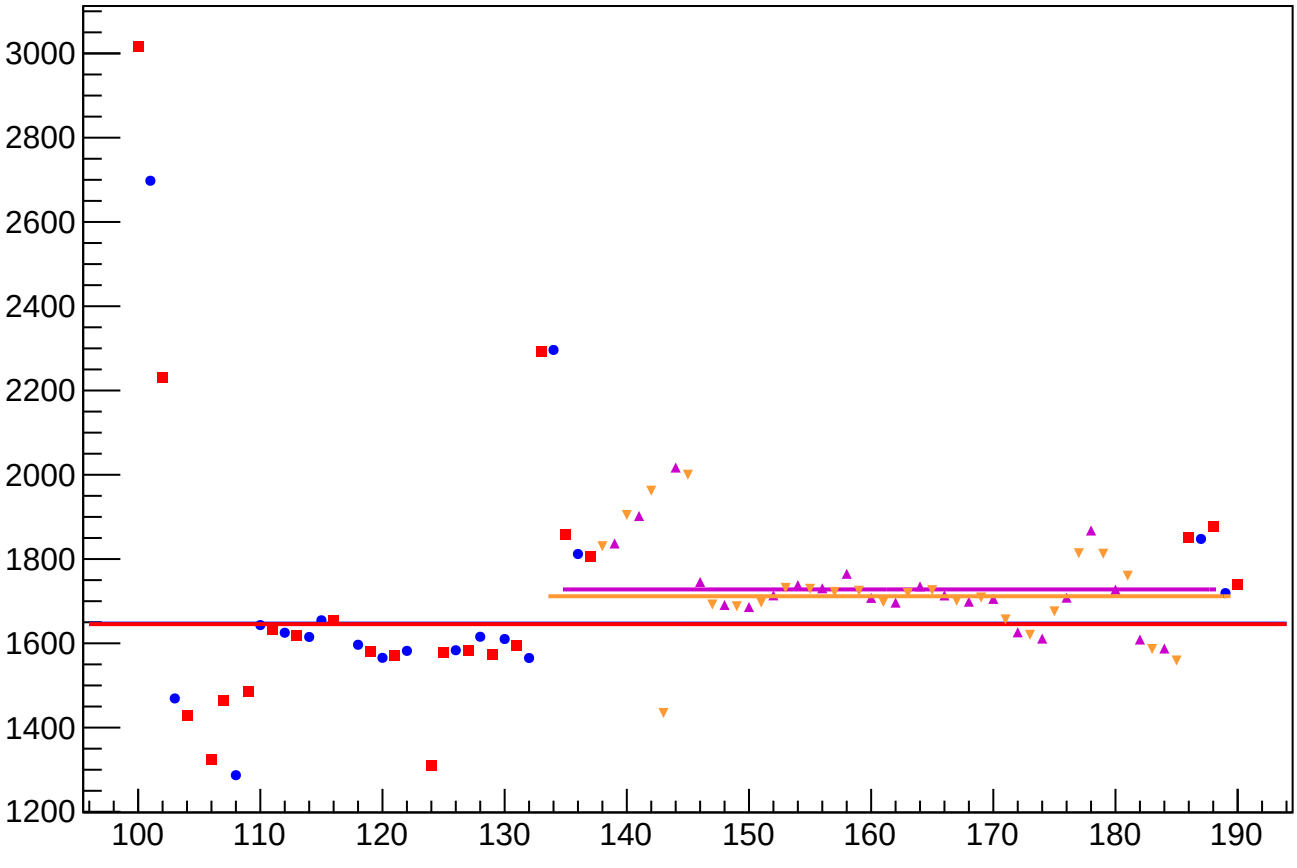
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 517.662+/-404.537 χ^2/NDF: 39.3/39

In: 453.235+/-333.638 χ^2/NDF:31.2/40

Out: 411.795+/-318.895 χ^2/NDF:55.0/46

All: 431.579+/-230.529 χ^2/NDF: 86.2/87



Right In: 1646.760+/-0.418 χ^2/NDF: 368210.2/17

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1645.534+/-0.392 χ^2/NDF: 328741.3/21

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

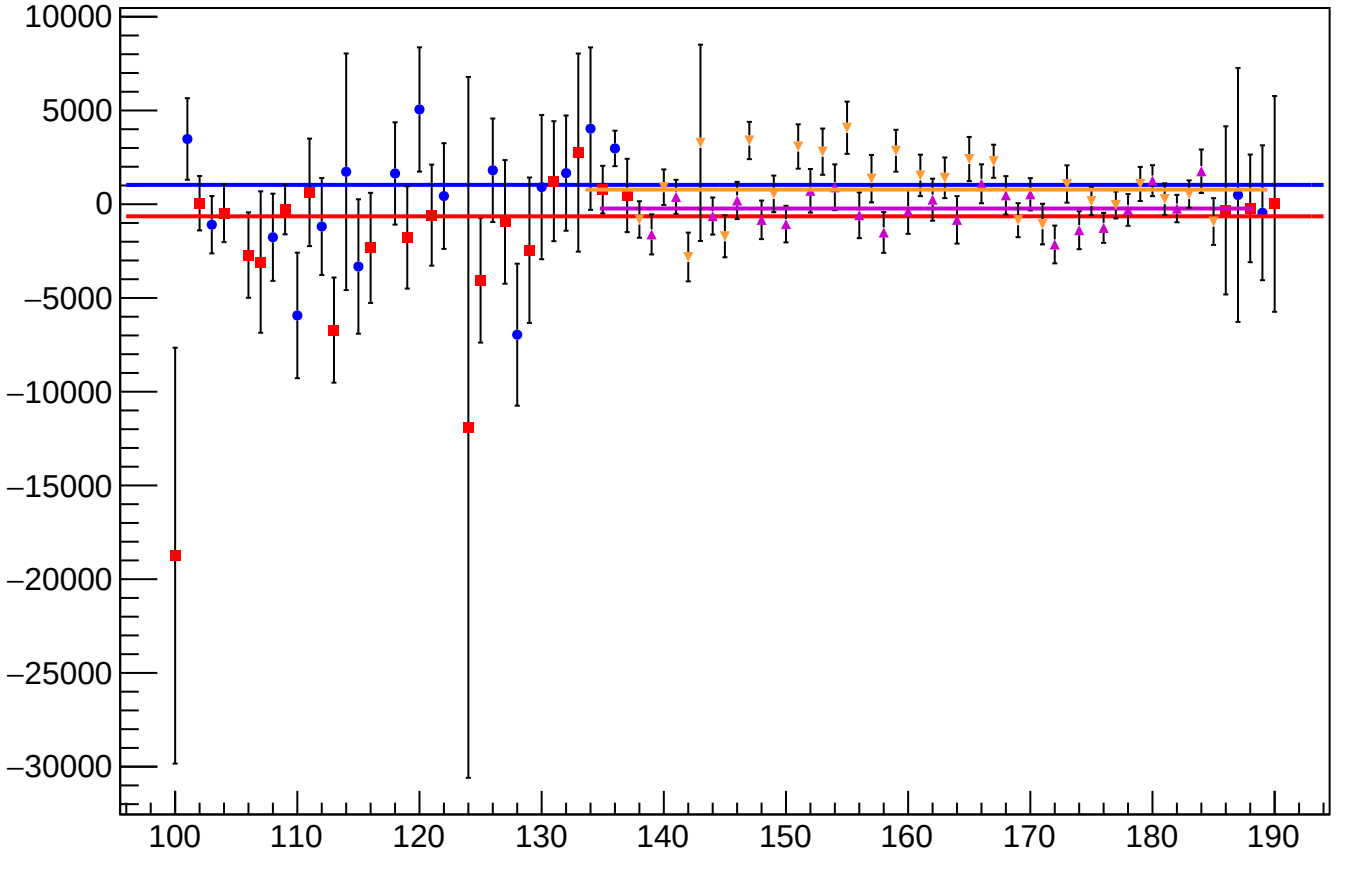
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1646.108+/-0.286 χ^2/NDF: 696956.0/39

In: 1702.080+/-0.236 χ^2/NDF:494112.1/40

Out: 1689.833+/-0.225 χ^2/NDF:515807.7/46

All: 1695.680+/-0.163 χ^2/NDF: 1011328.3/87



Right In: 1032.207+/-562.581 χ^2/NDF: 22.2/17

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -643.986+/-509.619 χ^2/NDF: 13.6/21

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

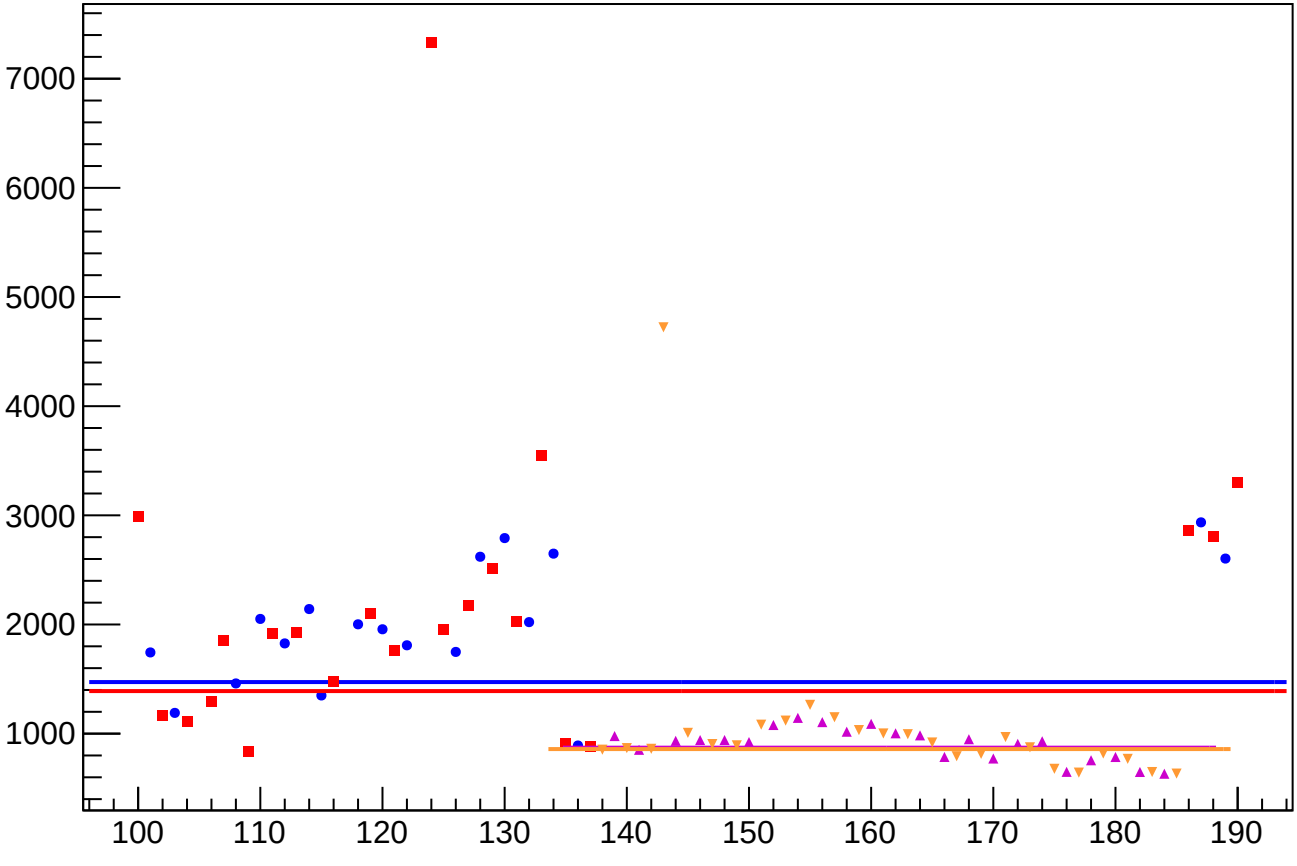
Right: 111.515+/-377.695 χ^2/NDF: 40.7/39

In: -78.883+/-194.021 χ^2/NDF:49.3/40

Out: 586.360+/-187.498 χ^2/NDF:74.9/46

All: 265.111+/-134.828 χ^2/NDF: 130.2/87

asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1472.473+/-0.398 χ^2/NDF: 2063826.5/17

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1389.924+/-0.360 χ^2/NDF: 3158549.4/21

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

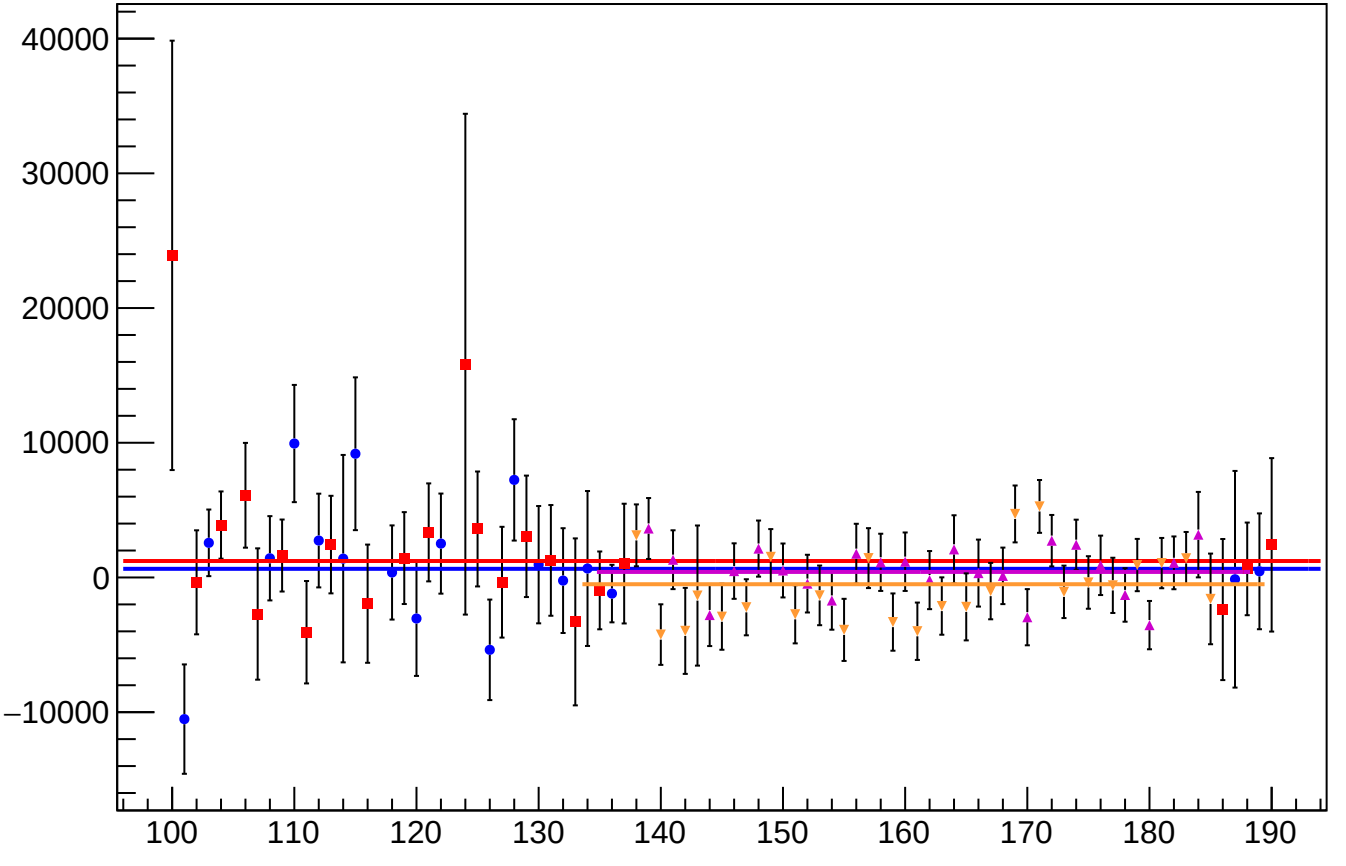
Right: 1427.131+/-0.267 χ^2/NDF: 5246028.4/39

In: 943.002+/-0.137 χ^2/NDF:5053847.0/40

Out: 930.515+/-0.133 χ^2/NDF:7318080.9/46

All: 936.545+/-0.095 χ^2/NDF: 12376211.6/87

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 641.303+/-884.478 χ^2/NDF: 22.0/17

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1221.548+/-843.354 χ^2/NDF: 11.4/21

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

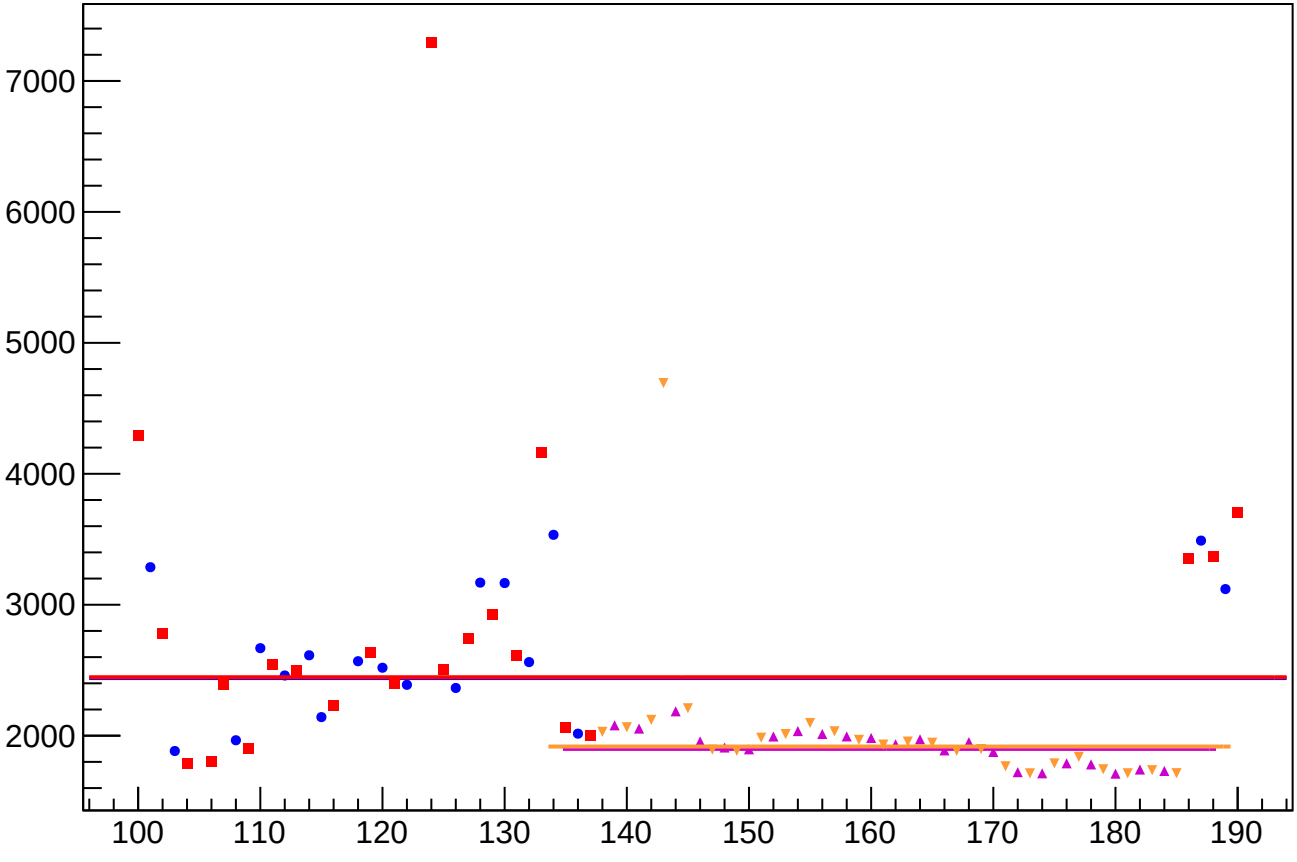
Right: 945.229+/-610.362 χ^2/NDF: 33.6/39

In: 457.708+/-397.218 χ^2/NDF:40.9/40

Out: -132.962+/-390.041 χ^2/NDF:50.6/46

All: 156.989+/-278.303 χ^2/NDF: 92.6/87

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2440.114+/-0.625 χ^2/NDF: 596575.4/17

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2446.432+/-0.596 χ^2/NDF: 991741.3/21

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

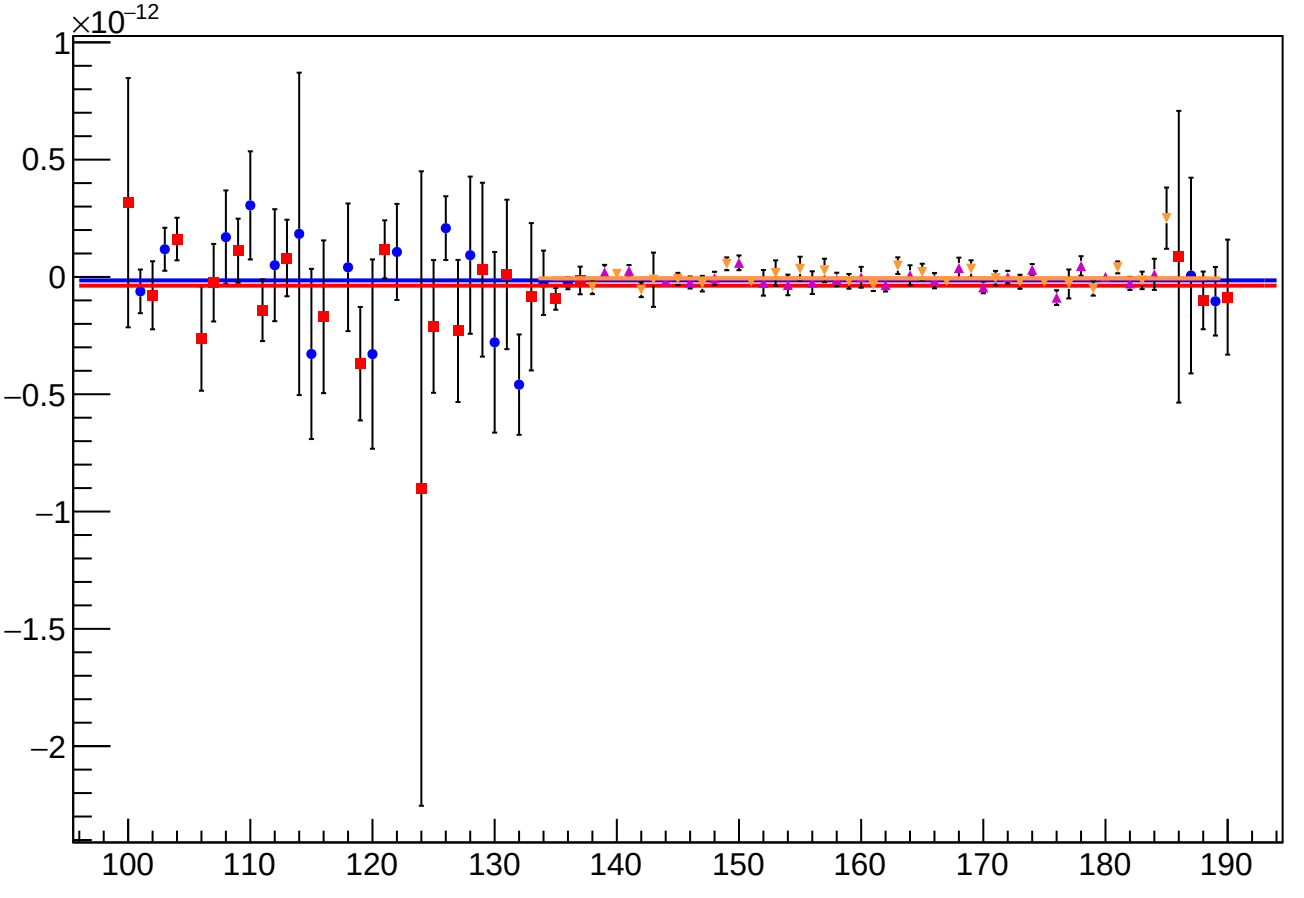
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2443.423+/-0.432 χ^2/NDF: 1588370.2/39

In: 2008.333+/-0.281 χ^2/NDF:1367002.8/40

Out: 2030.368+/-0.276 χ^2/NDF:2367366.1/46

All: 2019.551+/-0.197 χ^2/NDF: 3737502.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/21

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

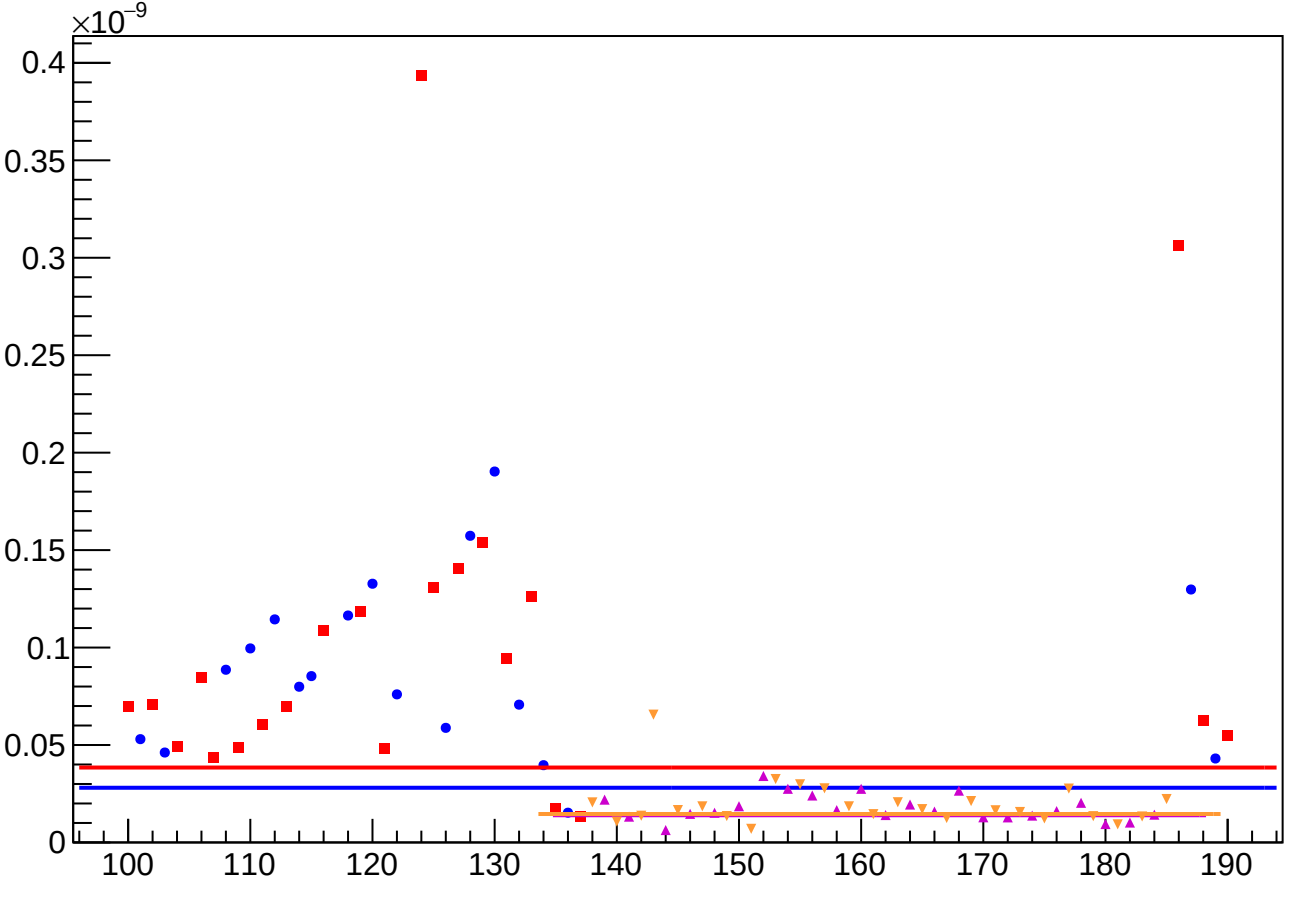
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.2/39

In: -0.000+/-0.000 χ^2/NDF:40.3/40

Out: -0.000+/-0.000 χ^2/NDF:45.4/46

All: -0.000+/-0.000 χ^2/NDF: 85.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 2869663.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2909029.2/21

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

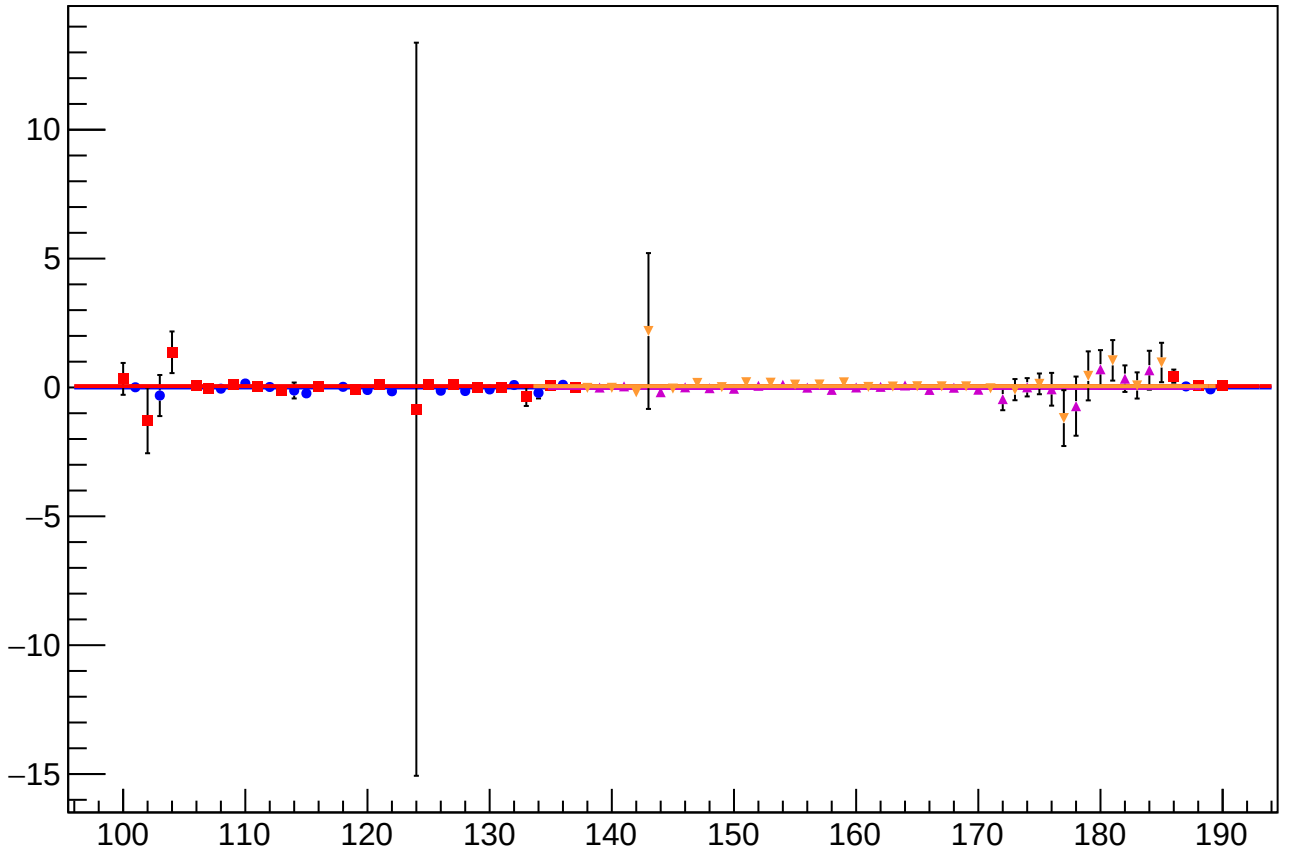
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5955982.9/39

In: 0.000+/-0.000 χ^2/NDF:5587519.2/40

Out: 0.000+/-0.000 χ^2/NDF:6260903.1/46

All: 0.000+/-0.000 χ^2/NDF: 11866309.2/87



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.022 χ^2/NDF: 15.4/21

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

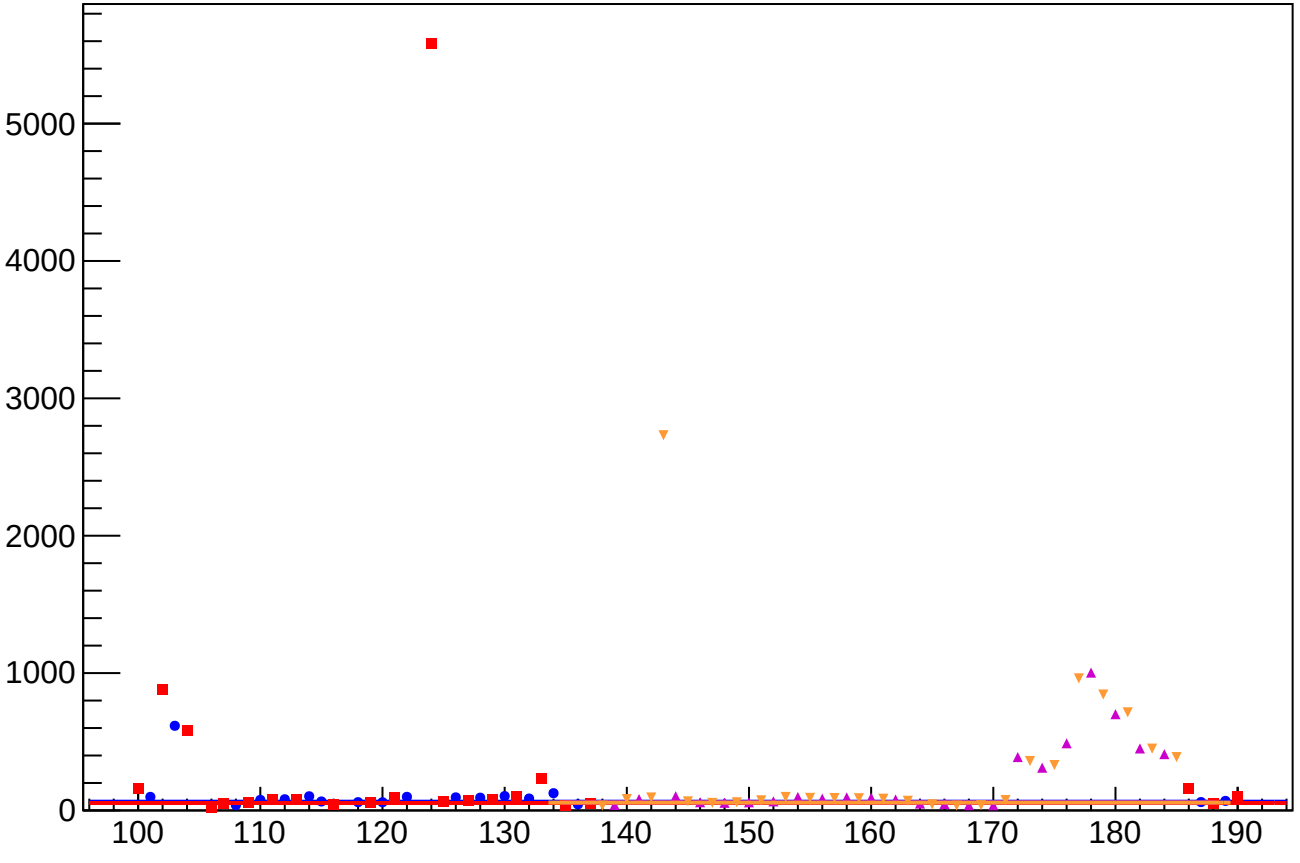
Right: 0.030+/-0.017 χ^2/NDF: 31.7/39

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/46

All: 0.020+/-0.010 χ^2/NDF: 80.2/87

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.797+/-0.018 χ^2/NDF: 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 54.333+/-0.016 χ^2/NDF: 4441042.1/21

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

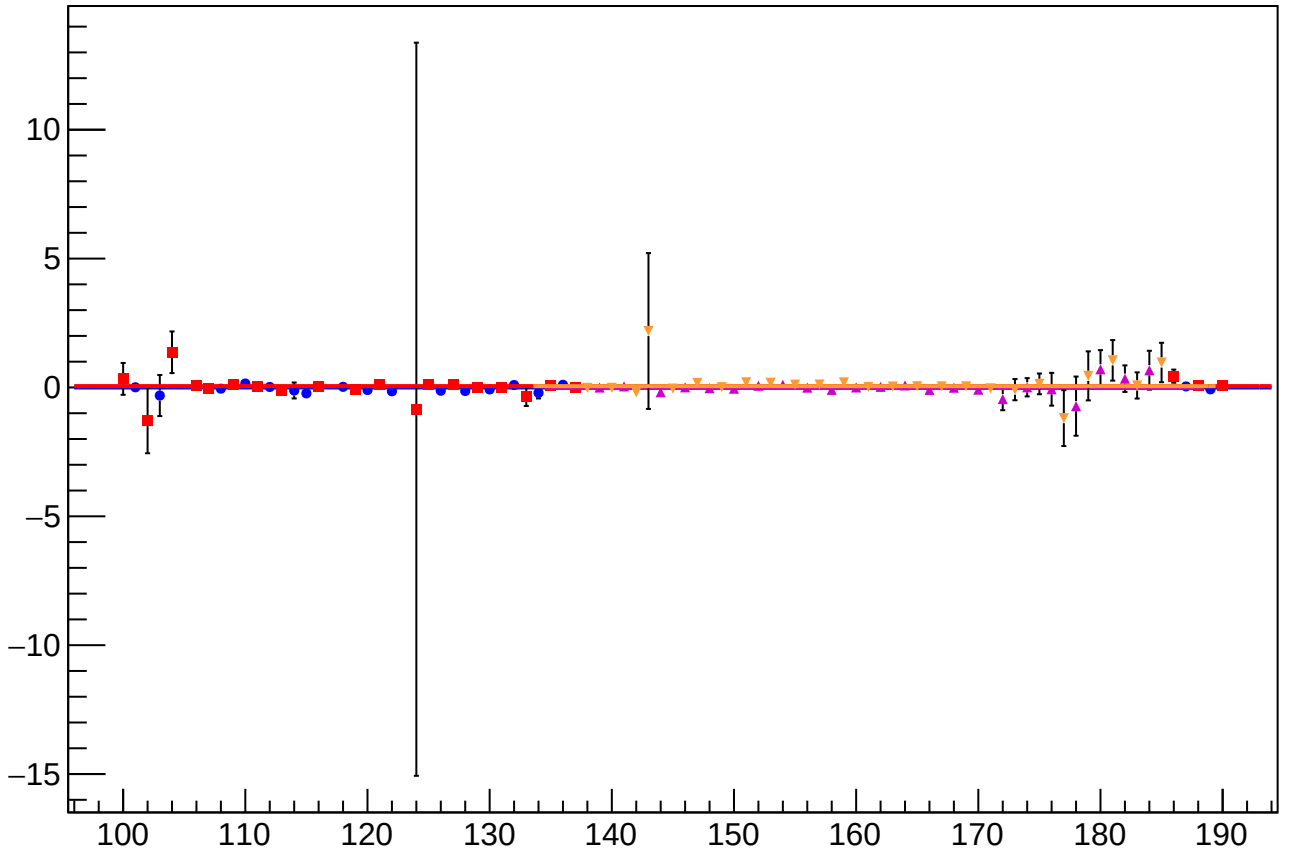
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 58.413+/-0.012 χ^2/NDF: 7046633.3/39

In: 60.172+/-0.010 χ^2/NDF:12757307.5/40

Out: 56.194+/-0.010 χ^2/NDF:16784575.0/46

All: 58.083+/-0.007 χ^2/NDF: 29623429.8/87



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.022 χ^2/NDF: 15.4/21

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

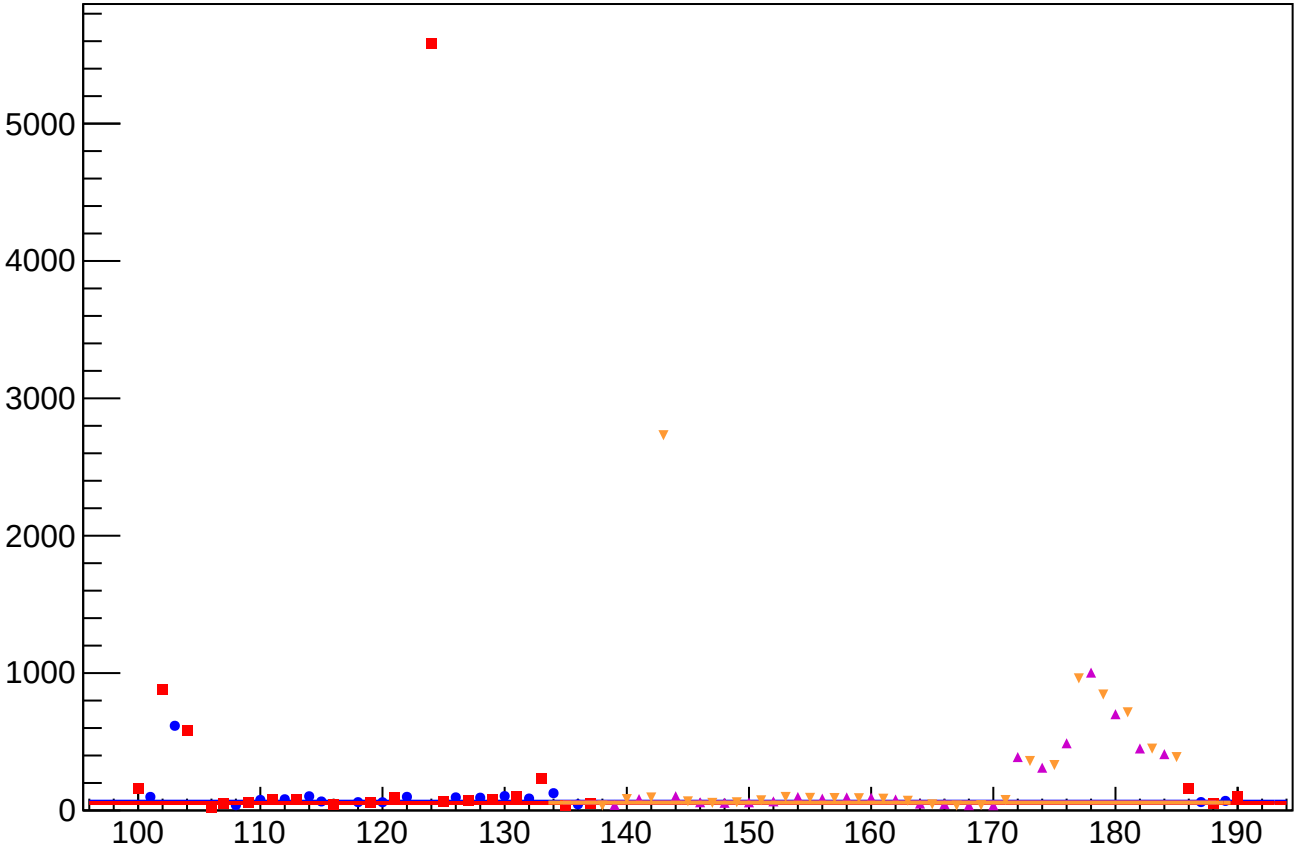
Right: 0.030+/-0.017 χ^2/NDF: 31.7/39

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/46

All: 0.020+/-0.010 χ^2/NDF: 80.2/87

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.797+/-0.018 χ^2/NDF: 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 54.333+/-0.016 χ^2/NDF: 4441042.1/21

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

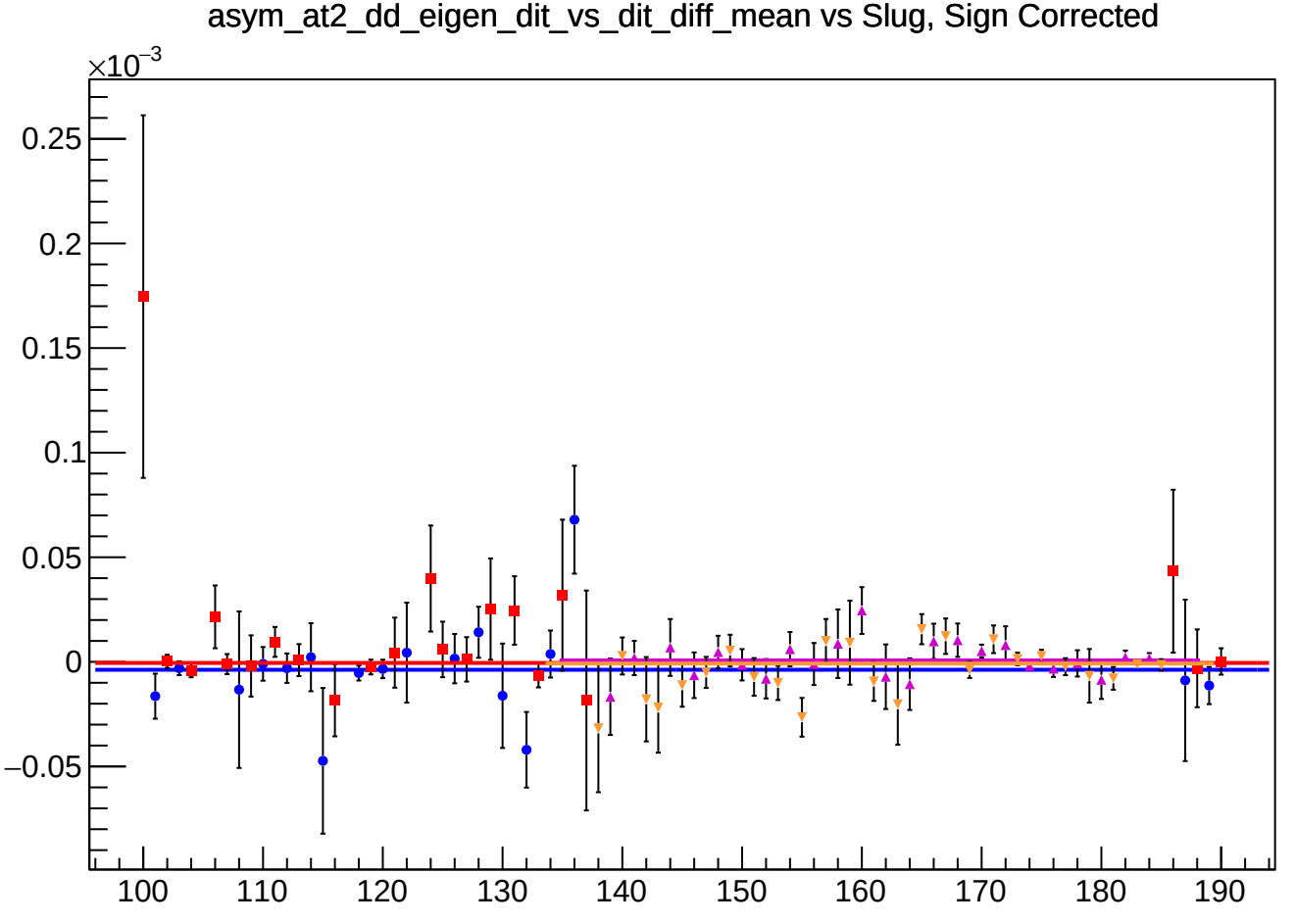
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 58.413+/-0.012 χ^2/NDF: 7046633.3/39

In: 60.172+/-0.010 χ^2/NDF:12757307.5/40

Out: 56.194+/-0.010 χ^2/NDF:16784575.0/46

All: 58.083+/-0.007 χ^2/NDF: 29623429.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/21

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

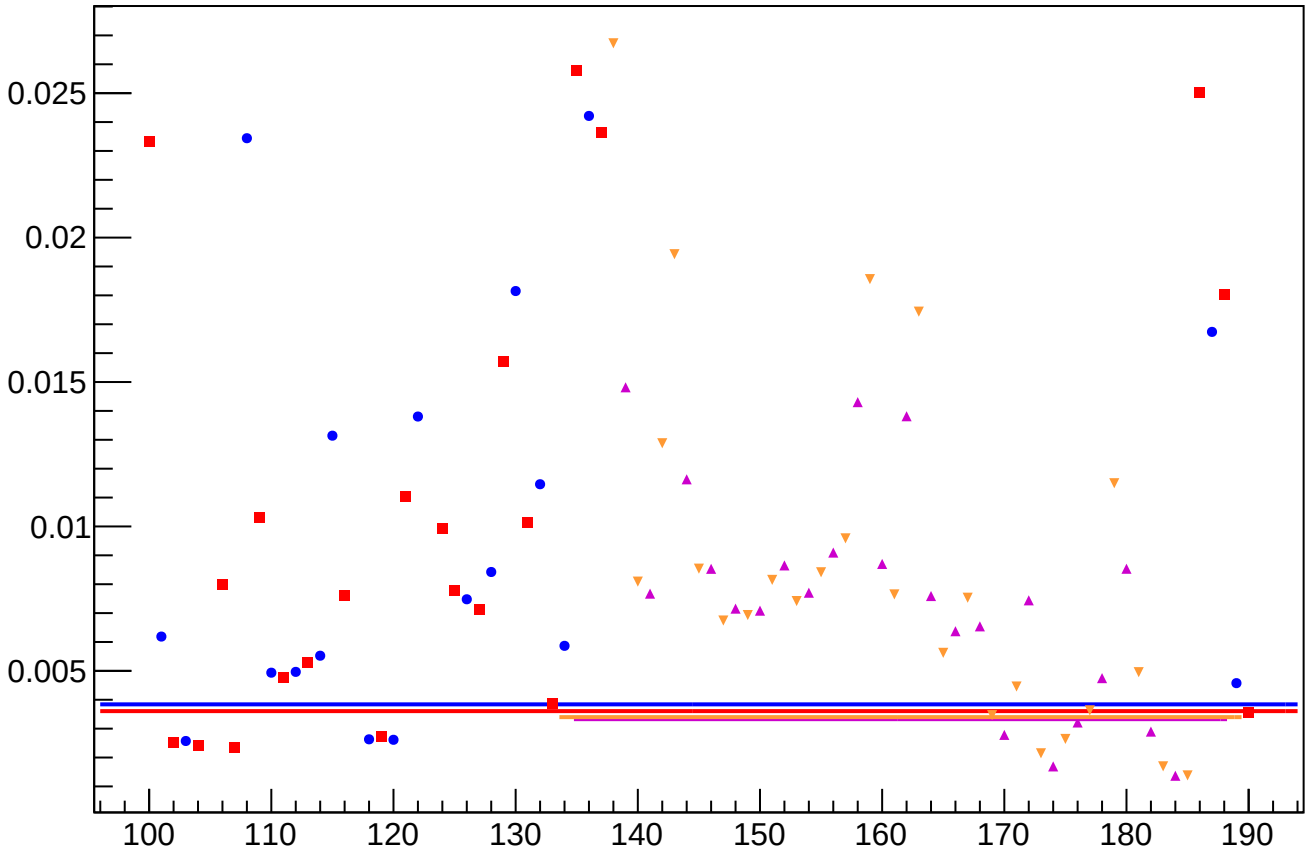
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 42.1/39

In: -0.000+/-0.000 χ^2/NDF:43.2/40

Out: -0.000+/-0.000 χ^2/NDF:53.3/46

All: -0.000+/-0.000 χ^2/NDF: 96.5/87



Right In: 0.004+/-0.000 χ^2/NDF: 4959064.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6316910.5/21

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

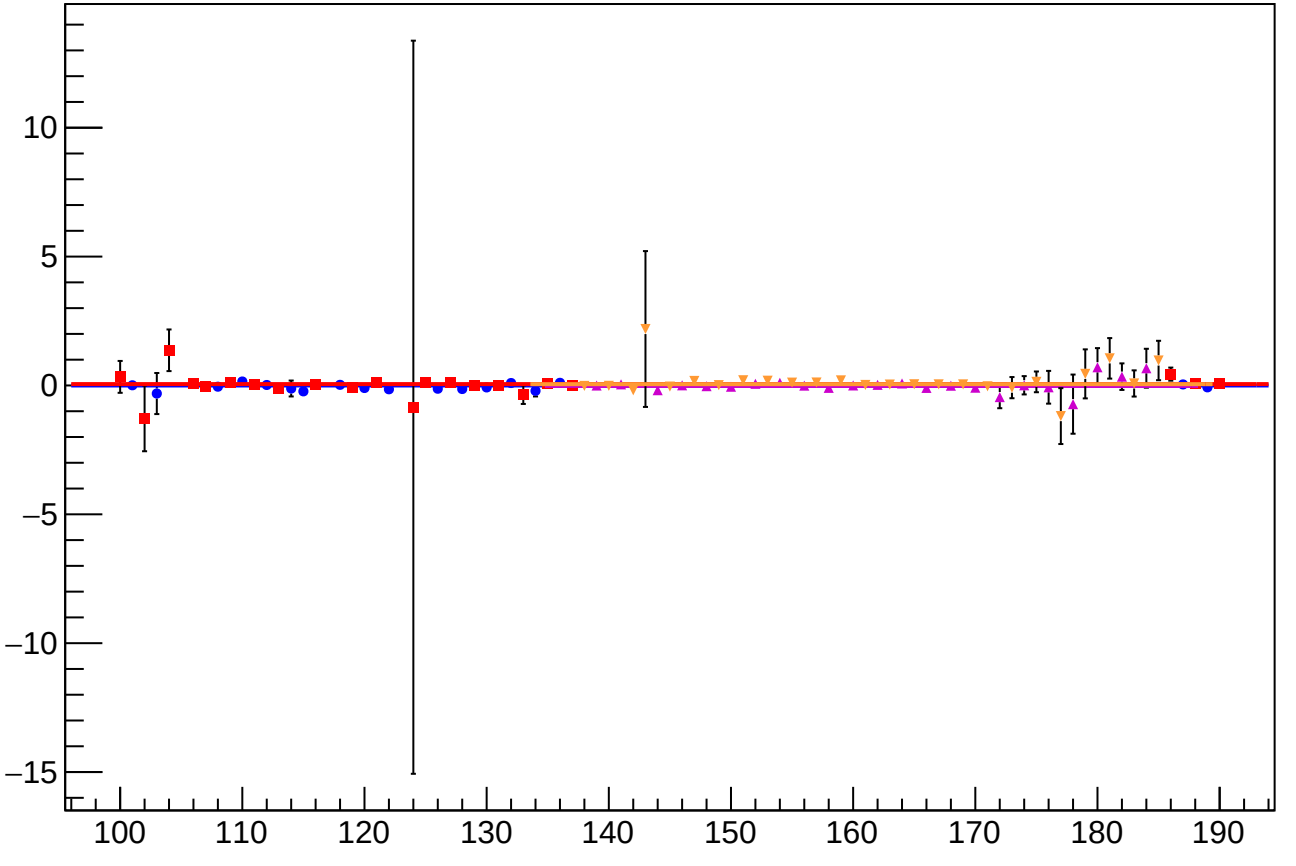
Right: 0.004+/-0.000 χ^2/NDF: 11296242.5/39

In: 0.003+/-0.000 χ^2/NDF:17648346.5/40

Out: 0.003+/-0.000 χ^2/NDF:20592305.8/46

All: 0.003+/-0.000 χ^2/NDF: 38240698.0/87

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.022 χ^2/NDF: 15.4/21

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

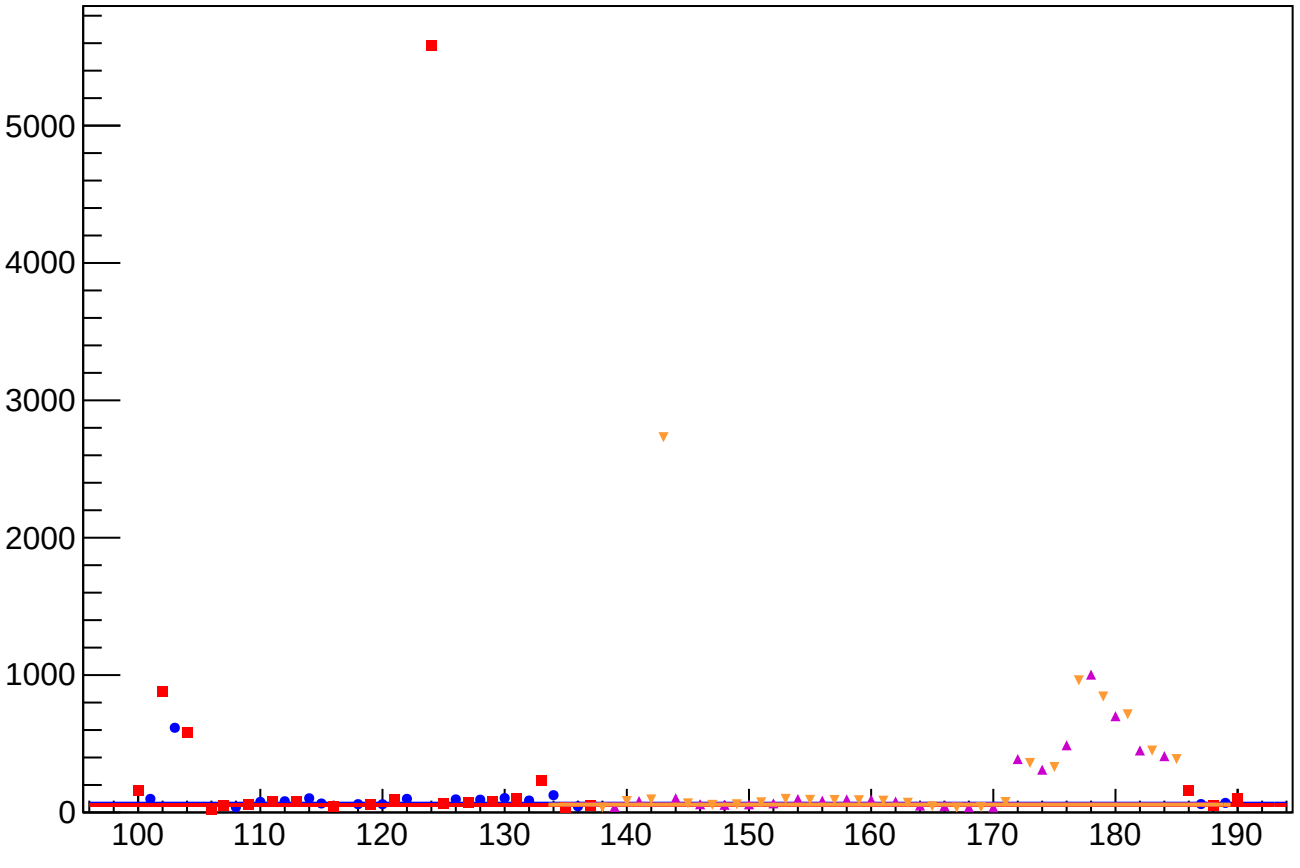
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.030+/-0.017 χ^2/NDF: 31.7/39

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/46

All: 0.020+/-0.010 χ^2/NDF: 80.2/87



Right In: 63.805+/-0.018 χ^2/NDF: 2452106.1/17

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 54.328+/-0.016 χ^2/NDF: 4441657.0/21

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

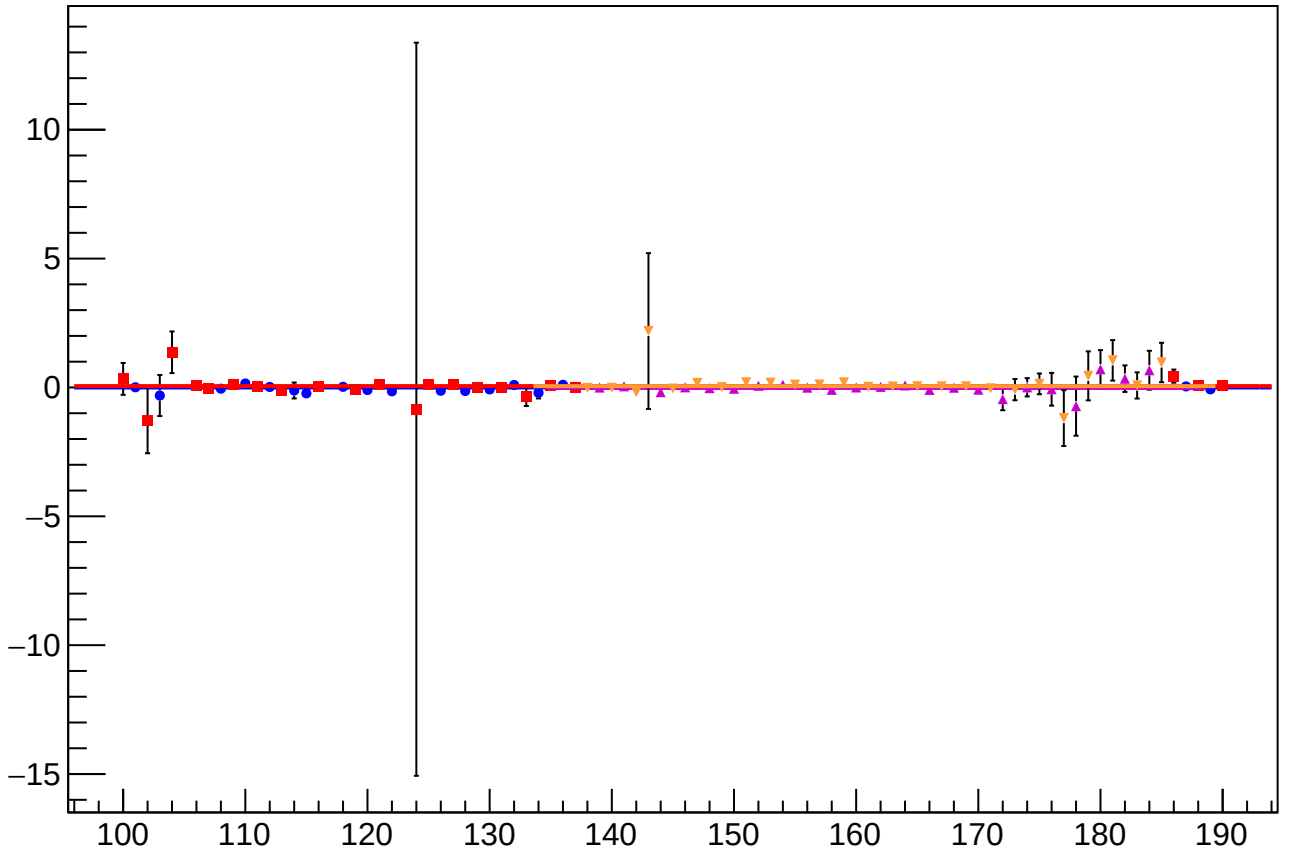
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 58.412+/-0.012 χ^2/NDF: 7046731.8/39

In: 60.176+/-0.010 χ^2/NDF:12755988.0/40

Out: 56.191+/-0.010 χ^2/NDF:16784992.2/46

All: 58.083+/-0.007 χ^2/NDF: 29622794.7/87



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.022 χ^2/NDF: 15.4/21

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

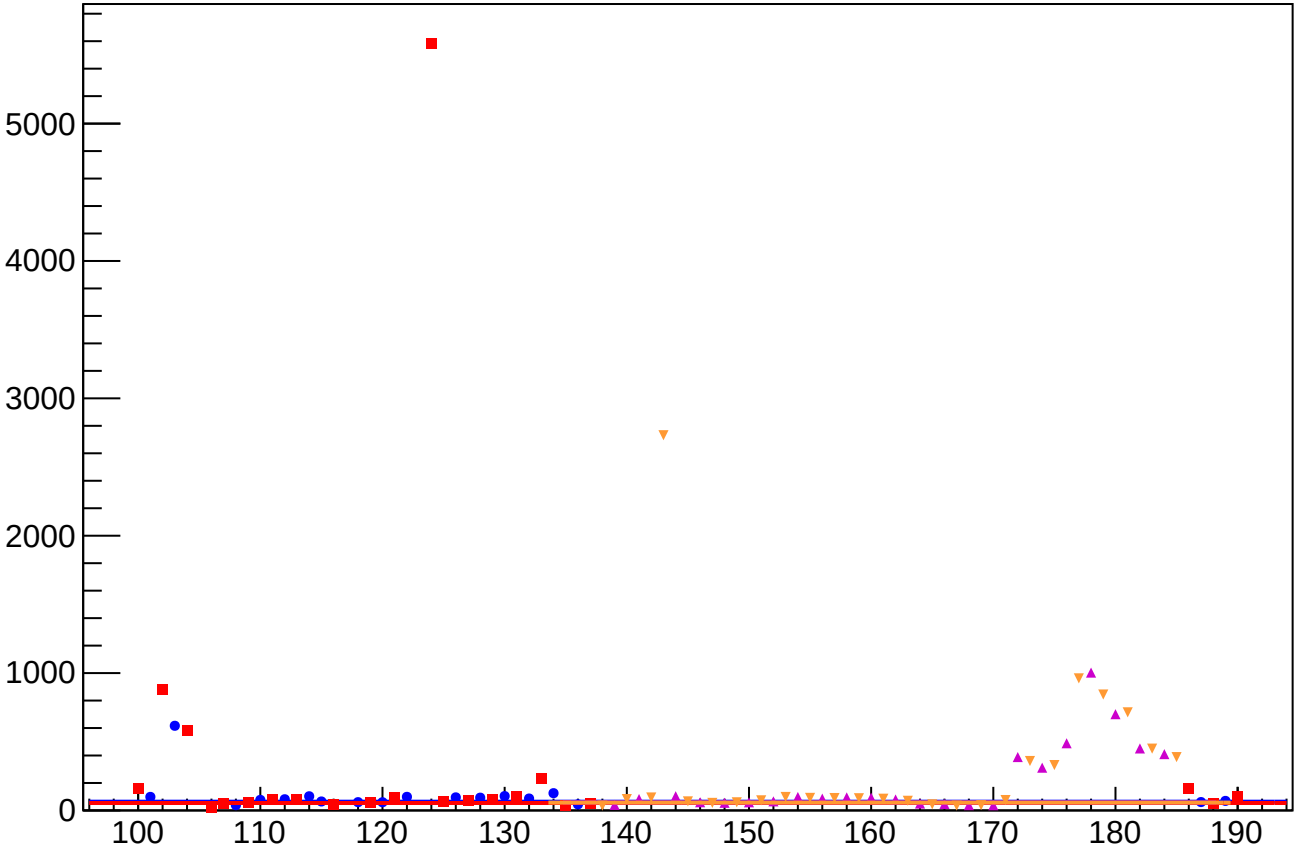
Right: 0.030+/-0.017 χ^2/NDF: 31.7/39

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/46

All: 0.020+/-0.010 χ^2/NDF: 80.2/87

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.805+/-0.018 χ^2/NDF: 2452106.1/17

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 54.328+/-0.016 χ^2/NDF: 4441657.0/21

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

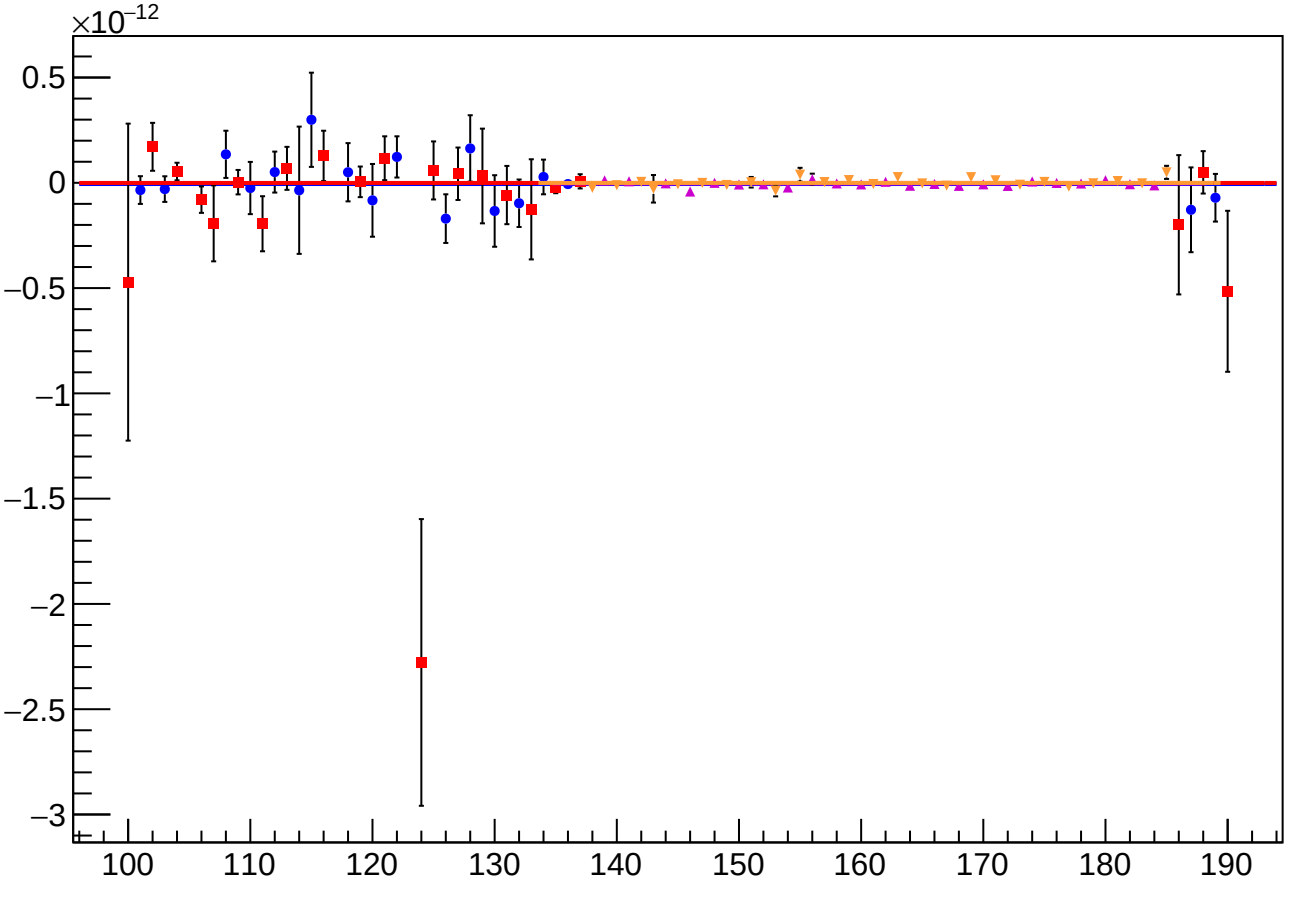
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 58.412+/-0.012 χ^2/NDF: 7046731.8/39

In: 60.176+/-0.010 χ^2/NDF:12755988.0/40

Out: 56.191+/-0.010 χ^2/NDF:16784992.2/46

All: 58.083+/-0.007 χ^2/NDF: 29622794.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/21

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

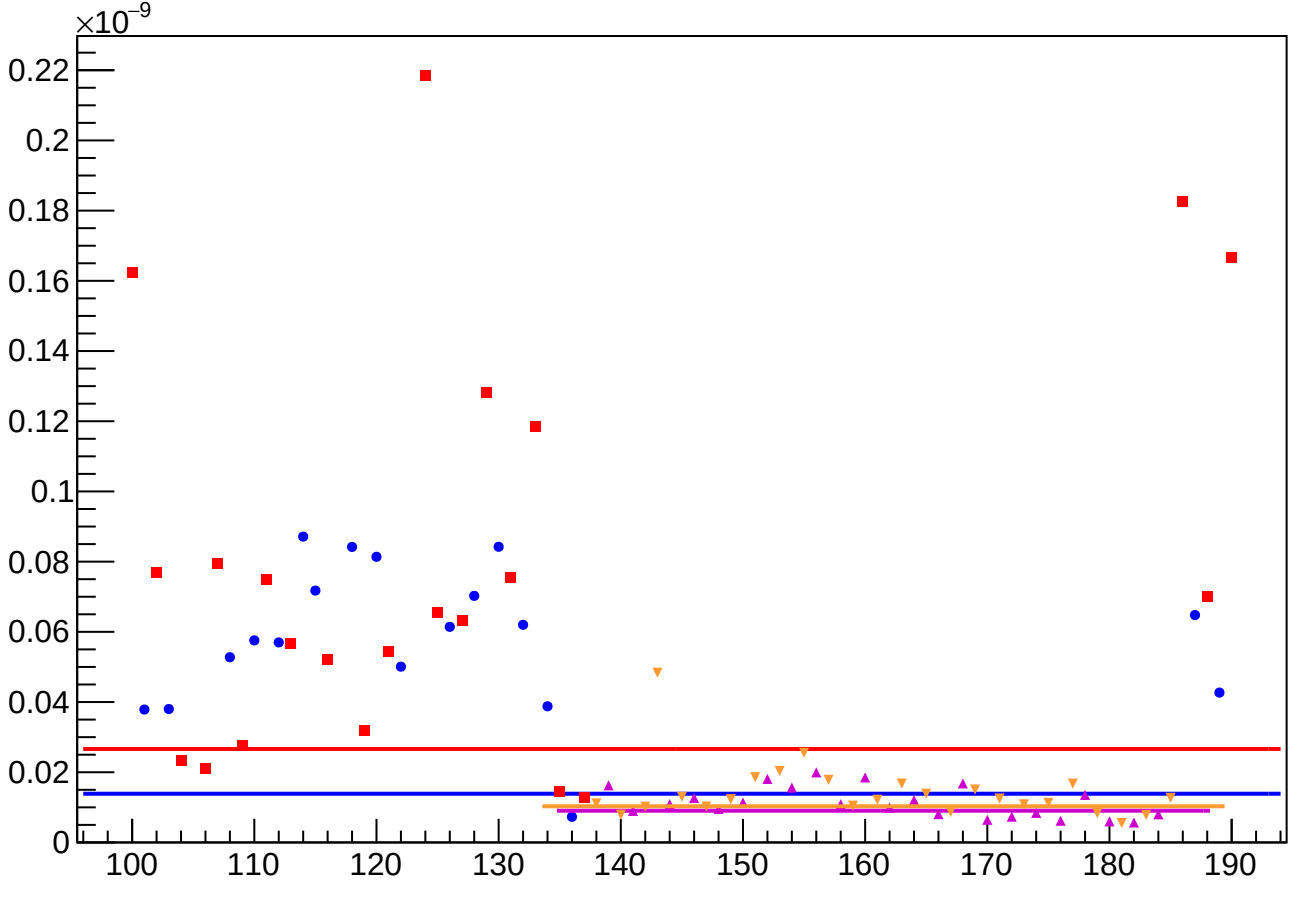
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 39.1/39

In: -0.000+/-0.000 χ^2/NDF:27.0/40

Out: -0.000+/-0.000 χ^2/NDF:46.3/46

All: -0.000+/-0.000 χ^2/NDF: 73.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 5253436.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4682136.7/21

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

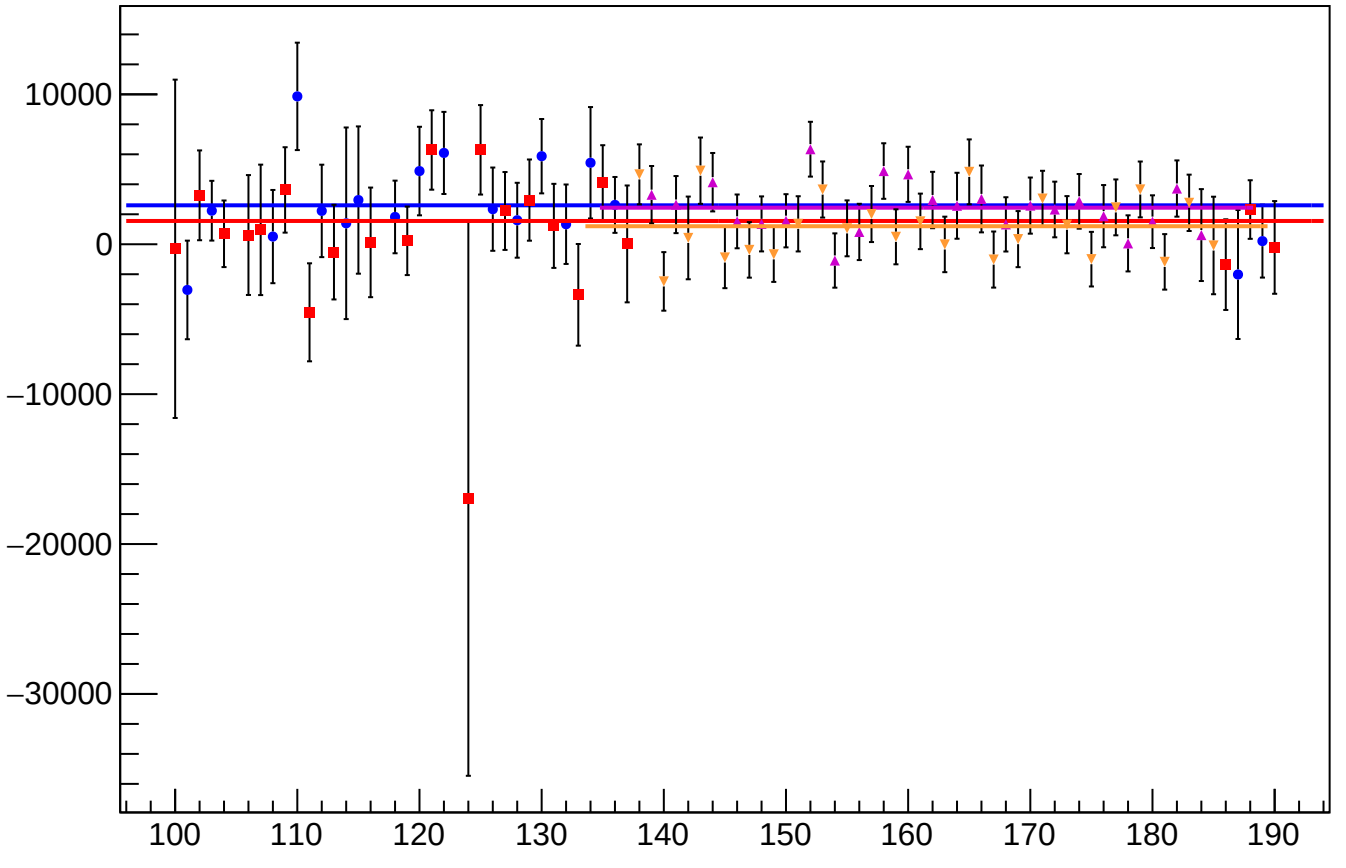
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10936662.4/39

In: 0.000+/-0.000 χ^2/NDF:8717740.0/40

Out: 0.000+/-0.000 χ^2/NDF:10643718.6/46

All: 0.000+/-0.000 χ^2/NDF: 19667456.4/87



Right In: 2597.779+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1553.226+/-635.345 χ^2/NDF: 17.3/21

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

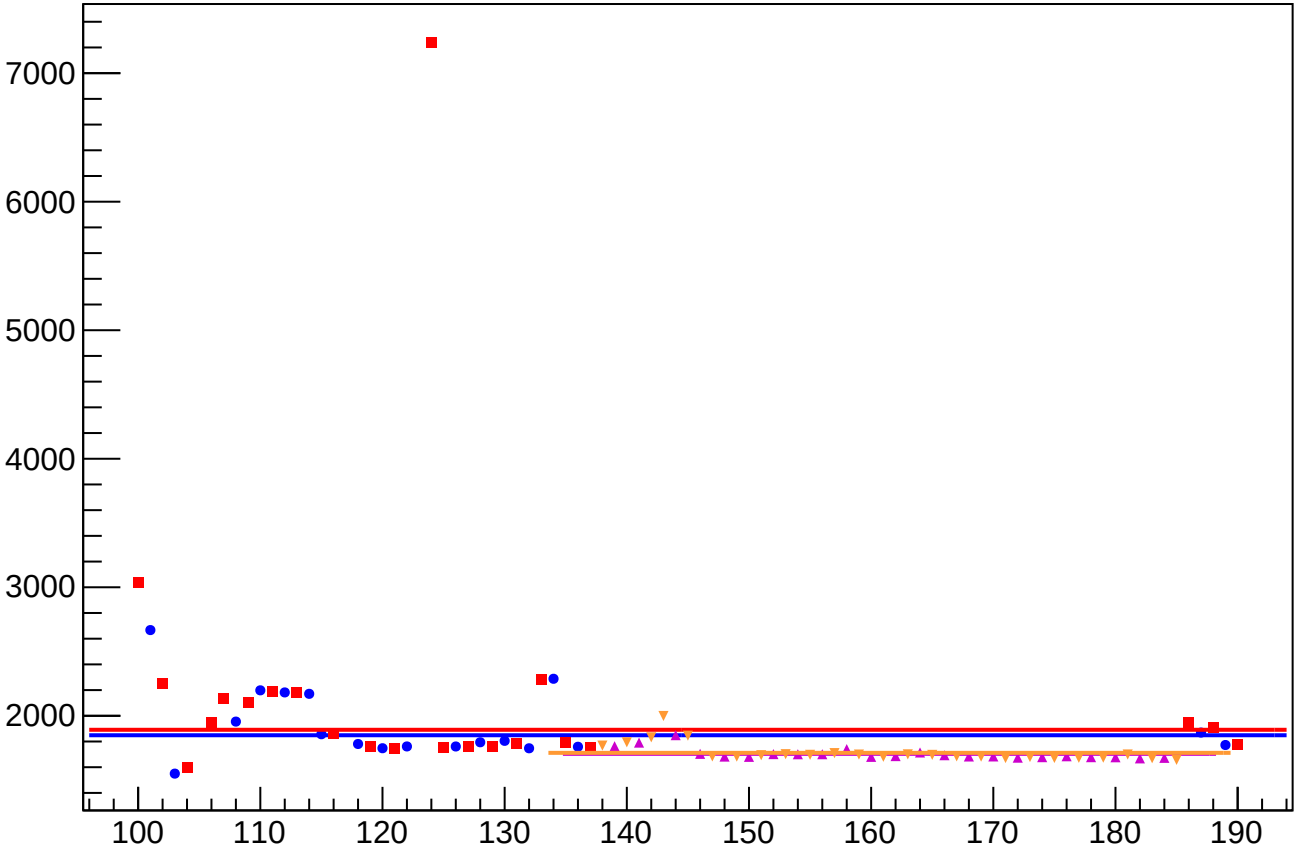
Right: 2055.297+/-457.865 χ^2/NDF: 33.3/39

In: 2481.303+/-340.864 χ^2/NDF:32.3/40

Out: 1298.105+/-331.841 χ^2/NDF:43.8/46

All: 1873.837+/-237.773 χ^2/NDF: 82.3/87

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.5/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1891.196+/-0.448 χ^2/NDF: 367494.1/21

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

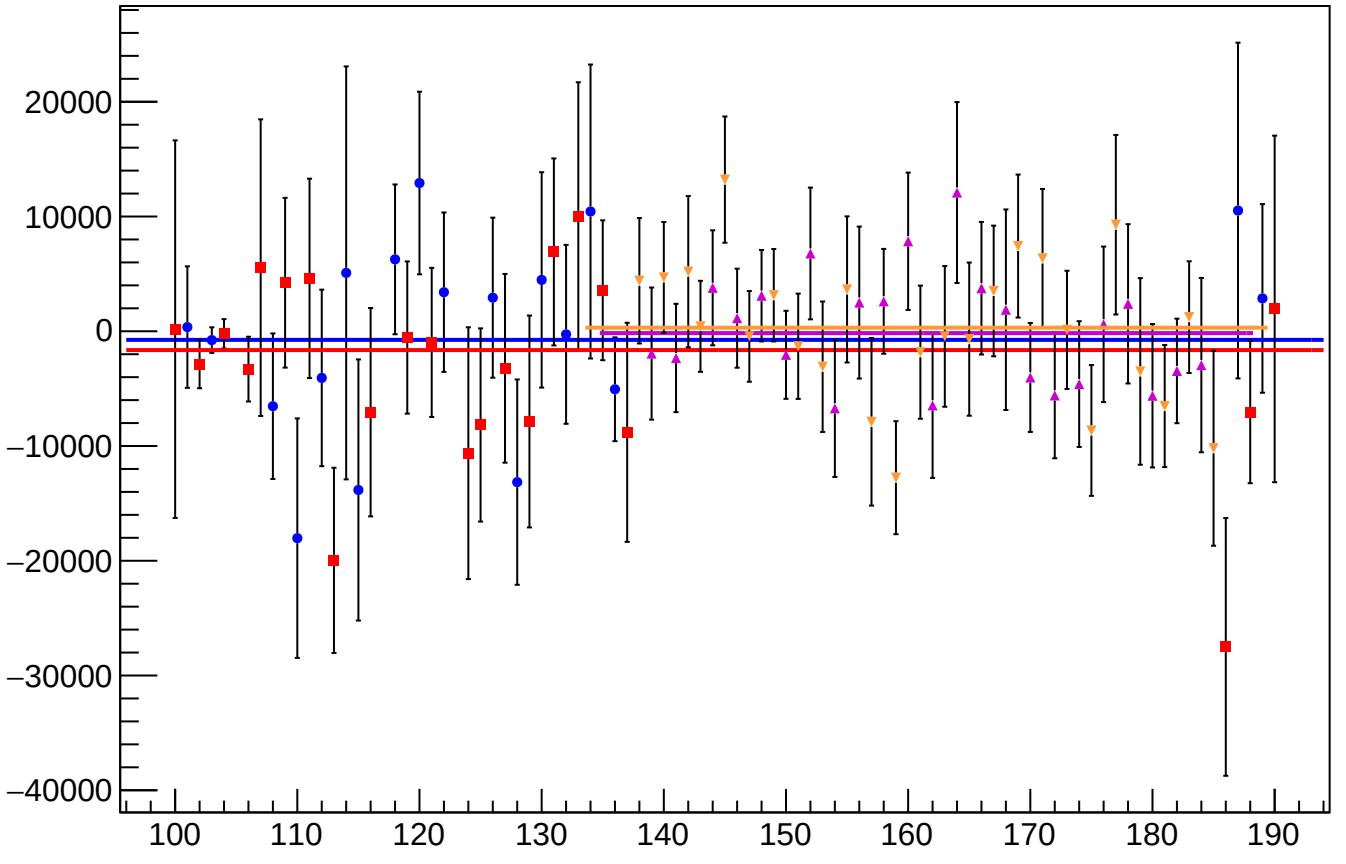
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1870.793+/-0.323 χ^2/NDF: 637255.9/39

In: 1742.515+/-0.241 χ^2/NDF:358448.1/40

Out: 1760.855+/-0.235 χ^2/NDF:543865.0/46

All: 1751.936+/-0.168 χ^2/NDF: 905287.1/87



Right In: -749.541+/-954.341 χ^2/NDF: 14.7/17

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1638.343+/-901.539 χ^2/NDF: 20.2/21

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

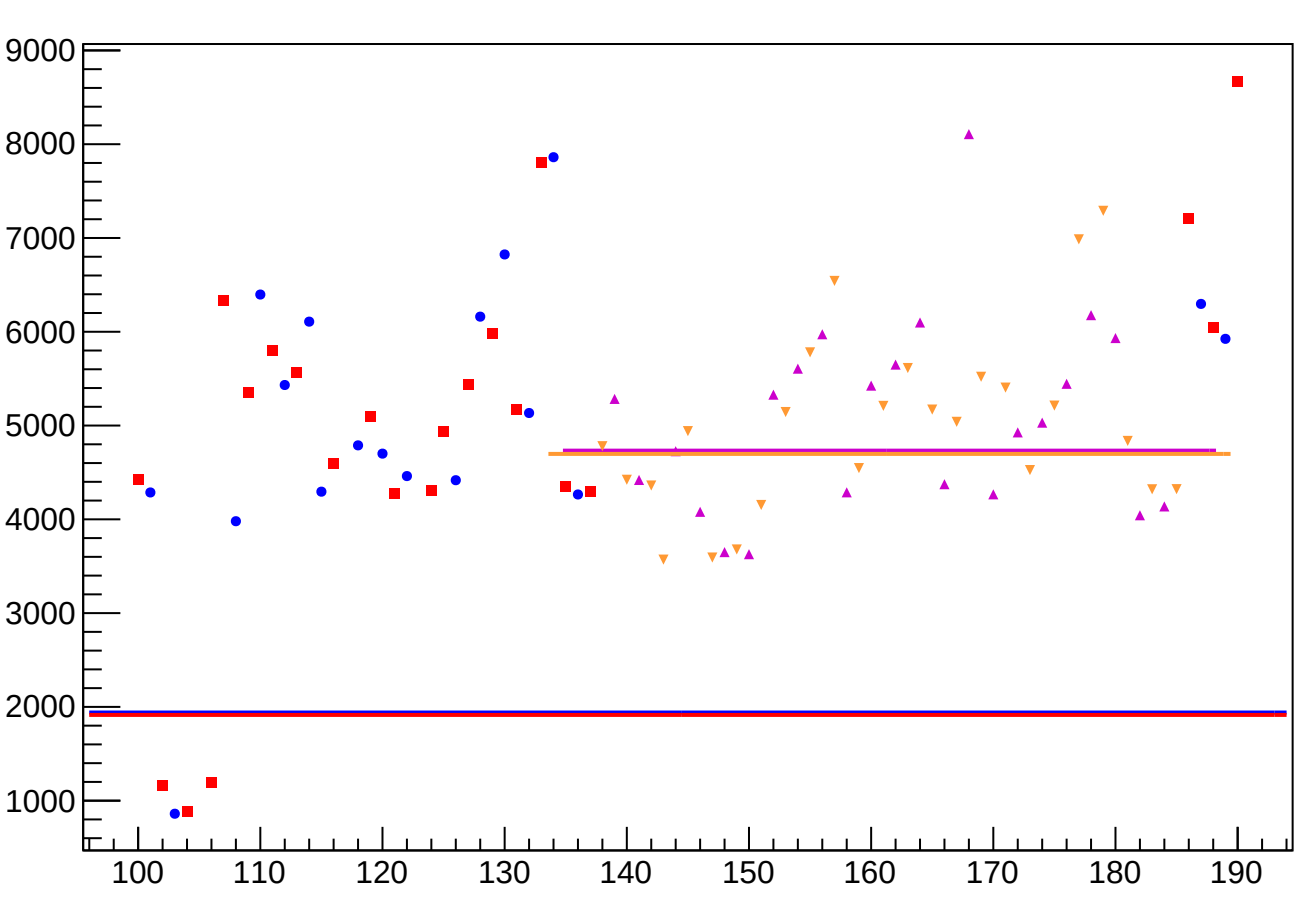
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1219.209+/-655.356 χ^2/NDF: 35.3/39

In: -502.862+/-728.689 χ^2/NDF:29.5/40

Out: -846.968+/-695.217 χ^2/NDF:49.2/46

All: -682.999+/-503.010 χ^2/NDF: 78.8/87



Right In: 1939.976+/-0.675 χ^2/NDF: 7508815.0/17

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1914.527+/-0.637 χ^2/NDF: 8220859.1/21

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

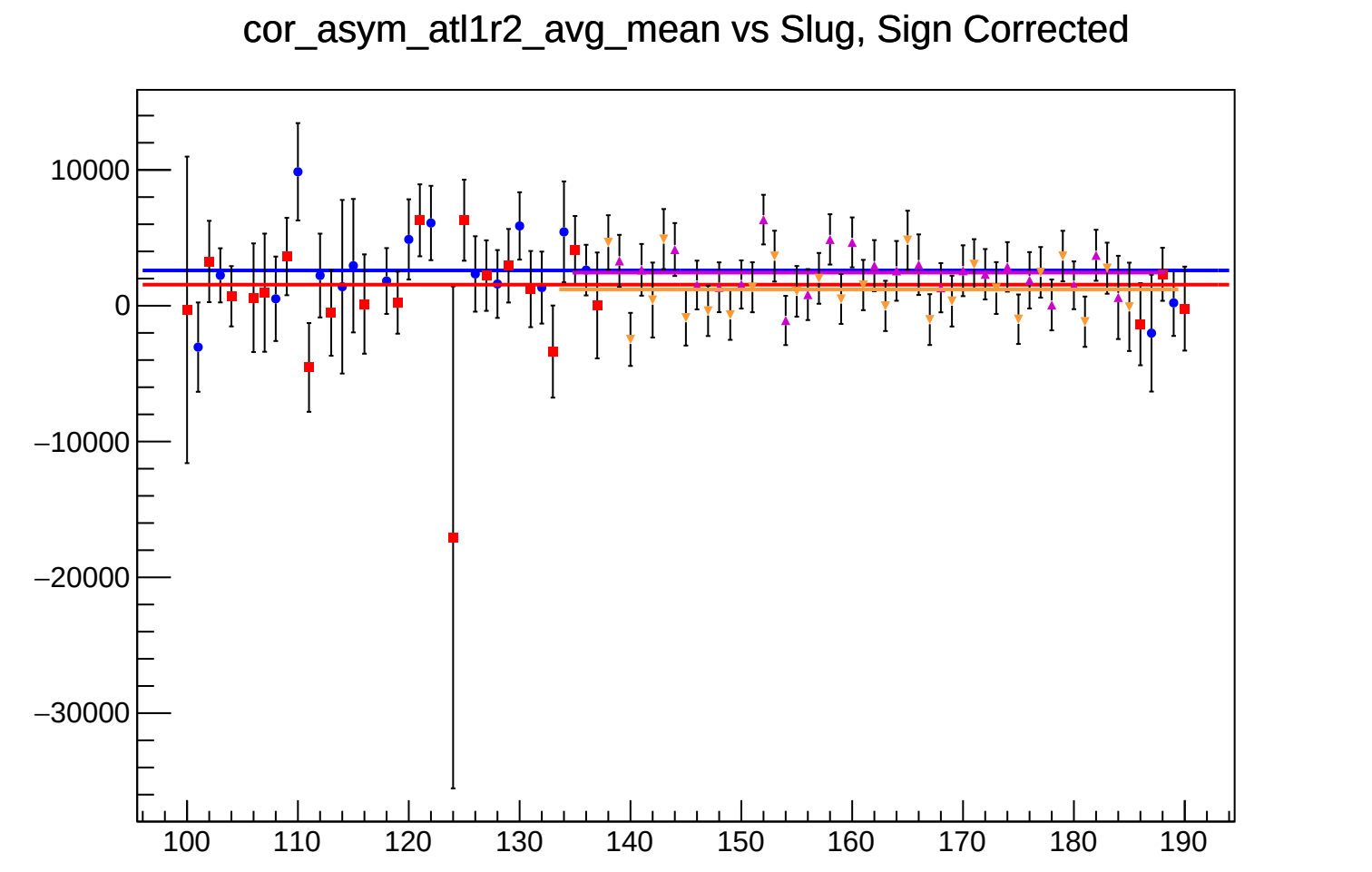
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1926.528+/-0.463 χ^2/NDF: 15730425.7/39

In: 3104.396+/-0.515 χ^2/NDF:15891923.9/40

Out: 3042.614+/-0.492 χ^2/NDF:17185829.1/46

All: 3072.054+/-0.356 χ^2/NDF: 33085279.4/8



Right In: 2597.898+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1552.115+/-635.346 χ^2/NDF: 17.3/21

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

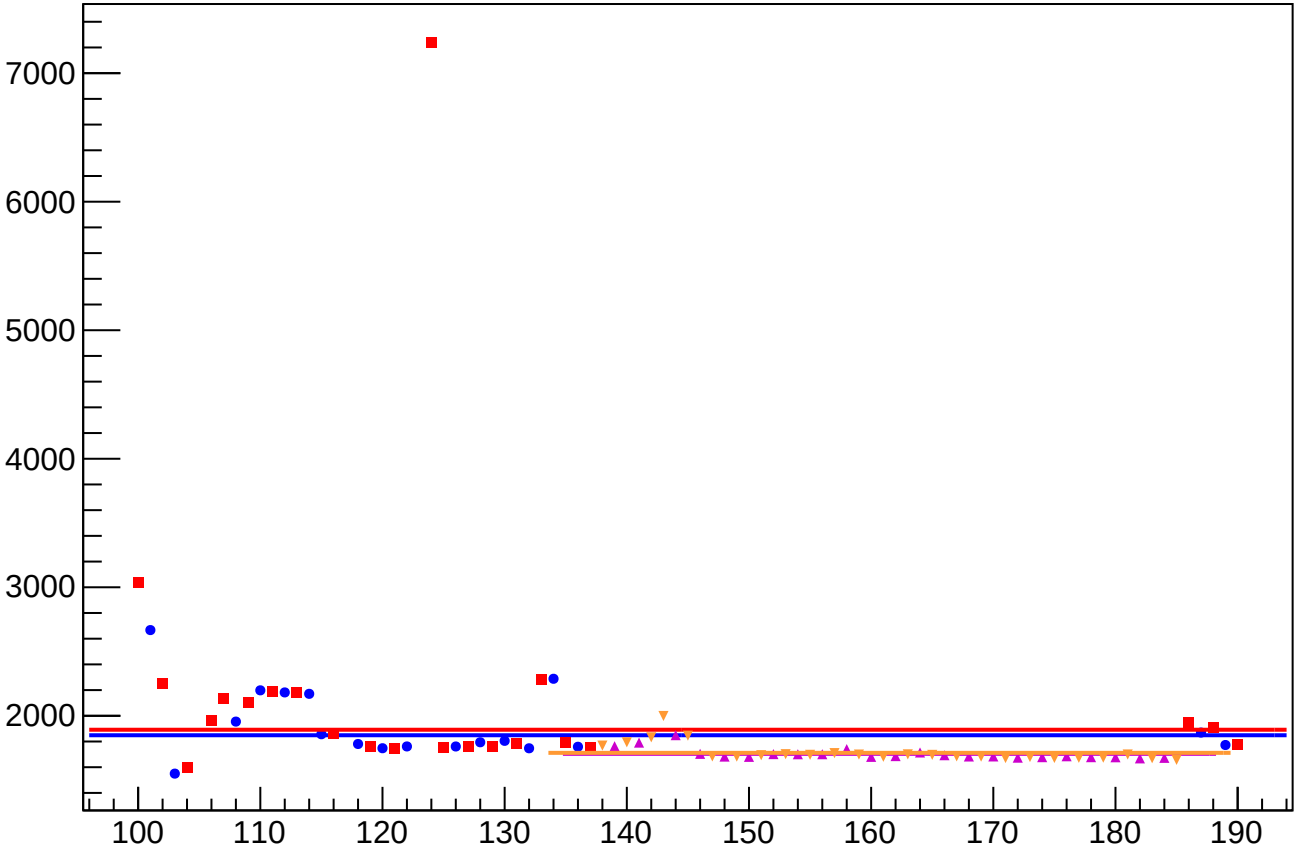
Right: 2054.777+/-457.865 χ^2/NDF: 33.3/39

In: 2481.285+/-340.864 χ^2/NDF:32.3/40

Out: 1297.731+/-331.841 χ^2/NDF:43.8/46

All: 1873.636+/-237.773 χ^2/NDF: 82.3/87

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.4/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1891.566+/-0.448 χ^2/NDF: 367736.9/21

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

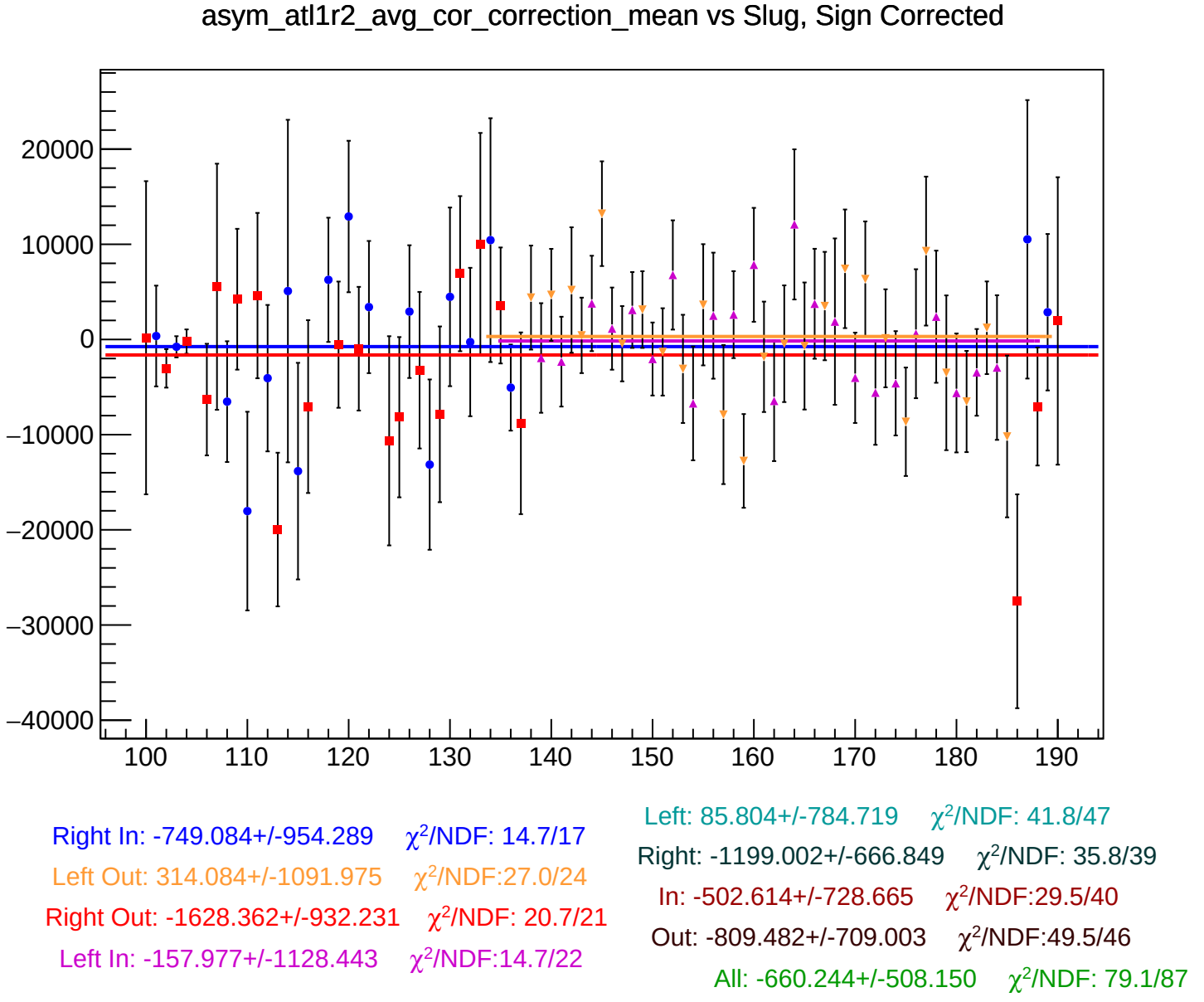
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

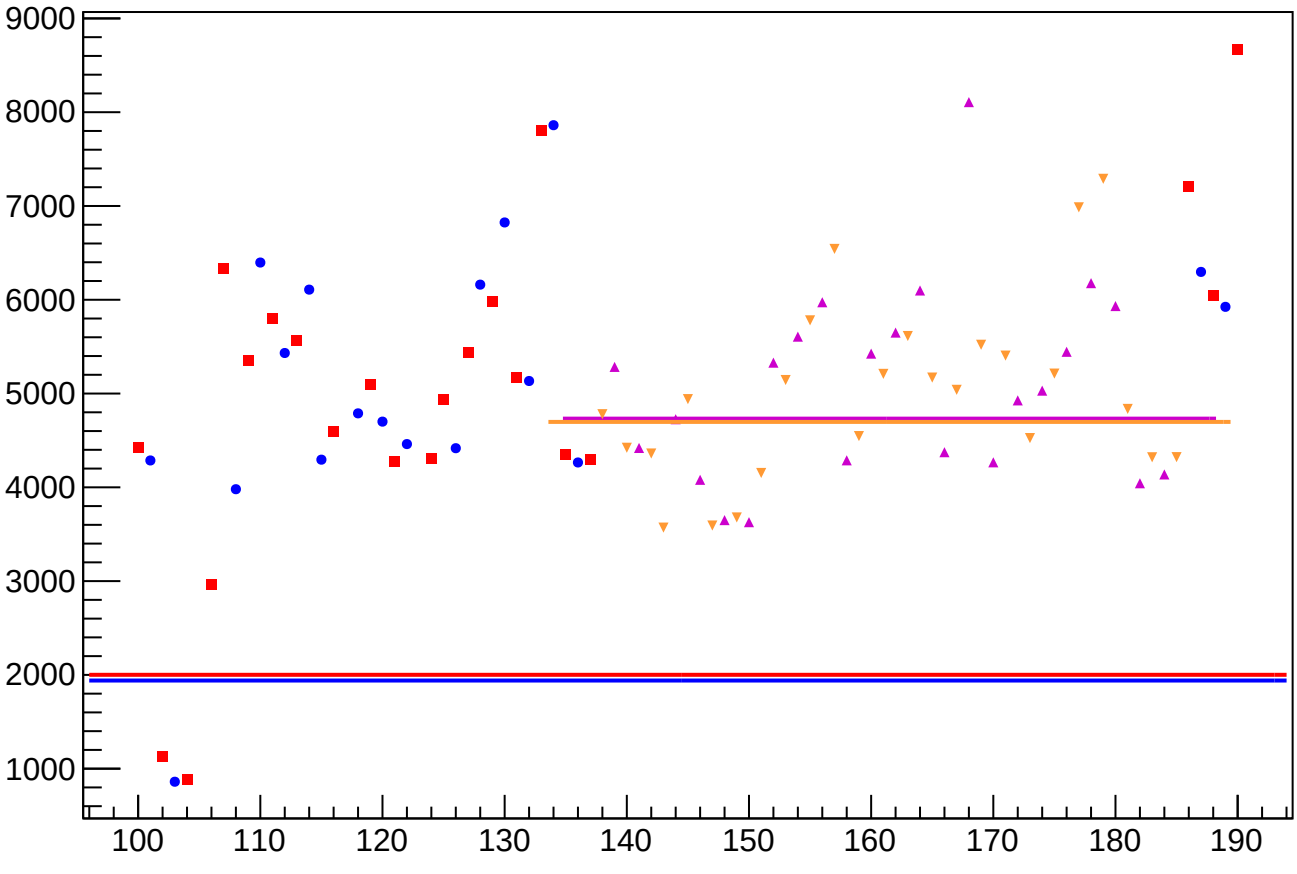
Right: 1870.982+/-0.323 χ^2/NDF: 637573.2/39

In: 1742.515+/-0.241 χ^2/NDF:358448.0/40

Out: 1760.944+/-0.235 χ^2/NDF:544557.4/46

All: 1751.981+/-0.168 χ^2/NDF: 906008.0/87


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -749.084+/-954.289 χ²/NDF: 14.7/17
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1628.362+/-932.231 χ²/NDF: 20.7/21
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1199.002+/-666.849 χ²/NDF: 35.8/39
In: -502.614+/-728.665 χ²/NDF:29.5/40
Out: -809.482+/-709.003 χ²/NDF:49.5/46
All: -660.244+/-508.150 χ²/NDF: 79.1/87



Right In: 1939.818+/-0.675 χ^2/NDF: 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2000.912+/-0.659 χ^2/NDF: 8184940.3/21

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

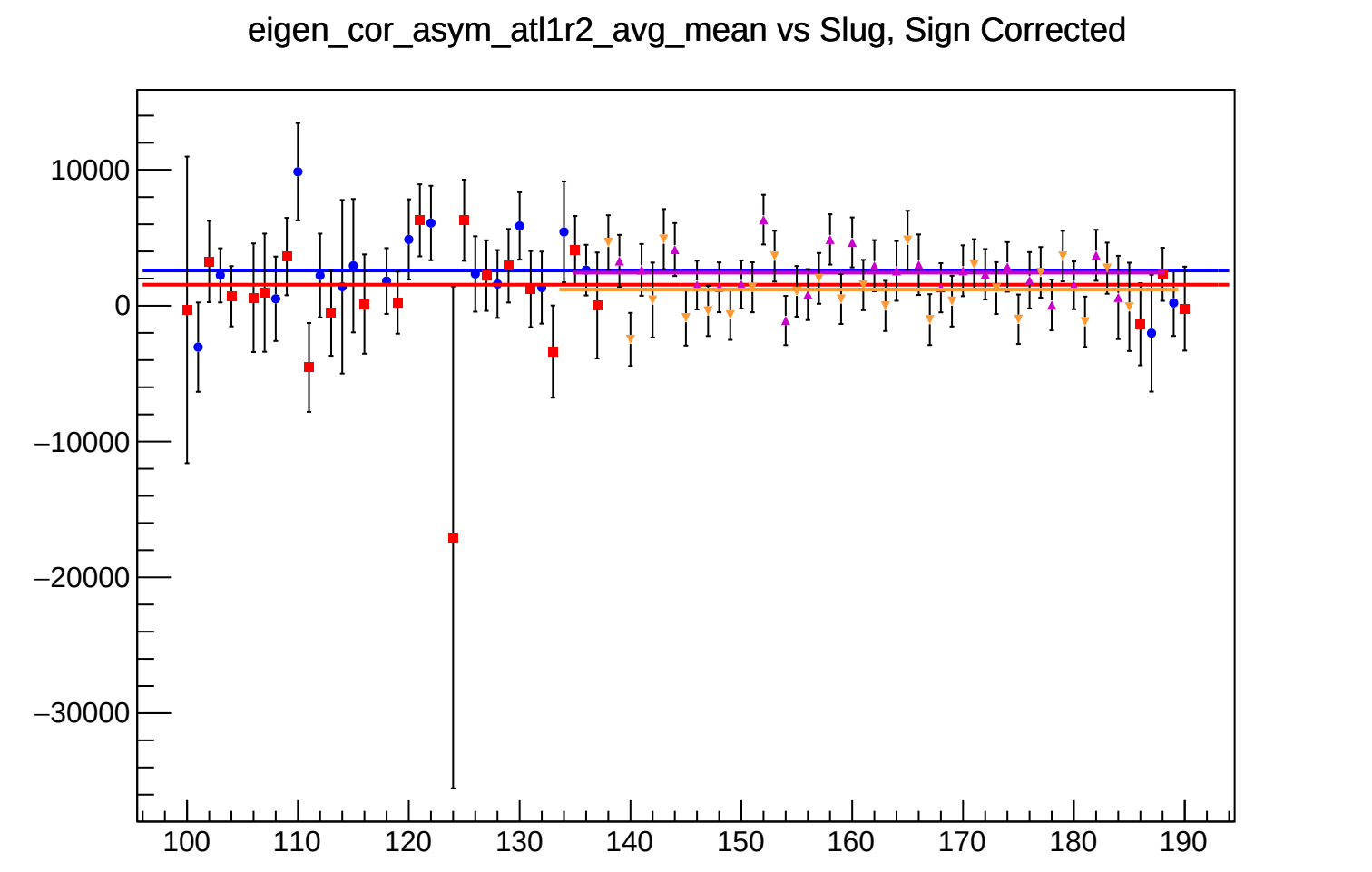
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1971.079+/-0.472 χ^2/NDF: 15698421.6/39

In: 3104.229+/-0.515 χ^2/NDF:15893534.4/40

Out: 3137.766+/-0.501 χ^2/NDF:16479726.6/46

All: 3121.456+/-0.359 χ^2/NDF: 32375437.2/8



Right In: 2597.898+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1552.115+/-635.346 χ^2/NDF: 17.3/21

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

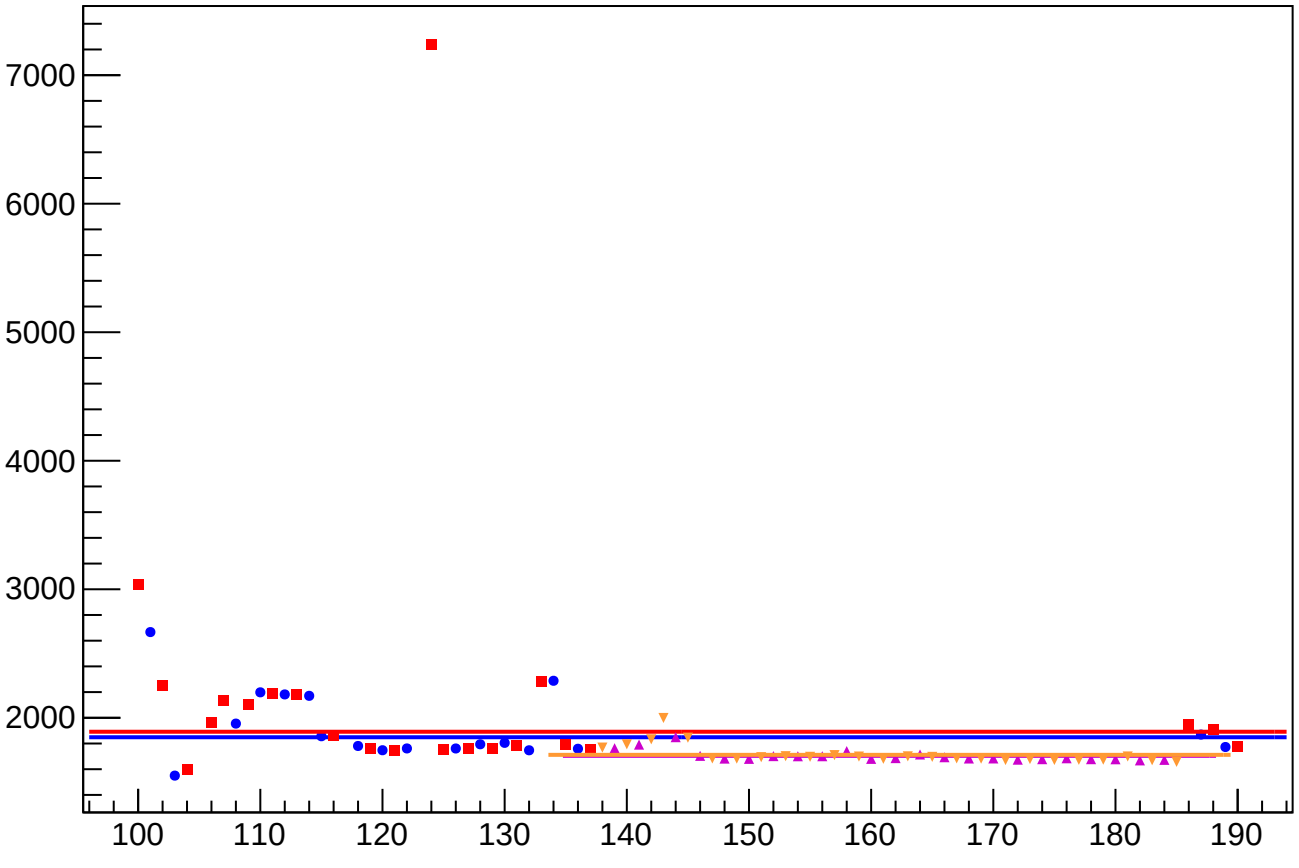
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2054.777+/-457.865 χ^2/NDF: 33.3/39

In: 2481.285+/-340.864 χ^2/NDF:32.3/40

Out: 1297.731+/-331.841 χ^2/NDF:43.8/46

All: 1873.636+/-237.773 χ^2/NDF: 82.3/87



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.4/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1891.566+/-0.448 χ^2/NDF: 367736.9/21

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

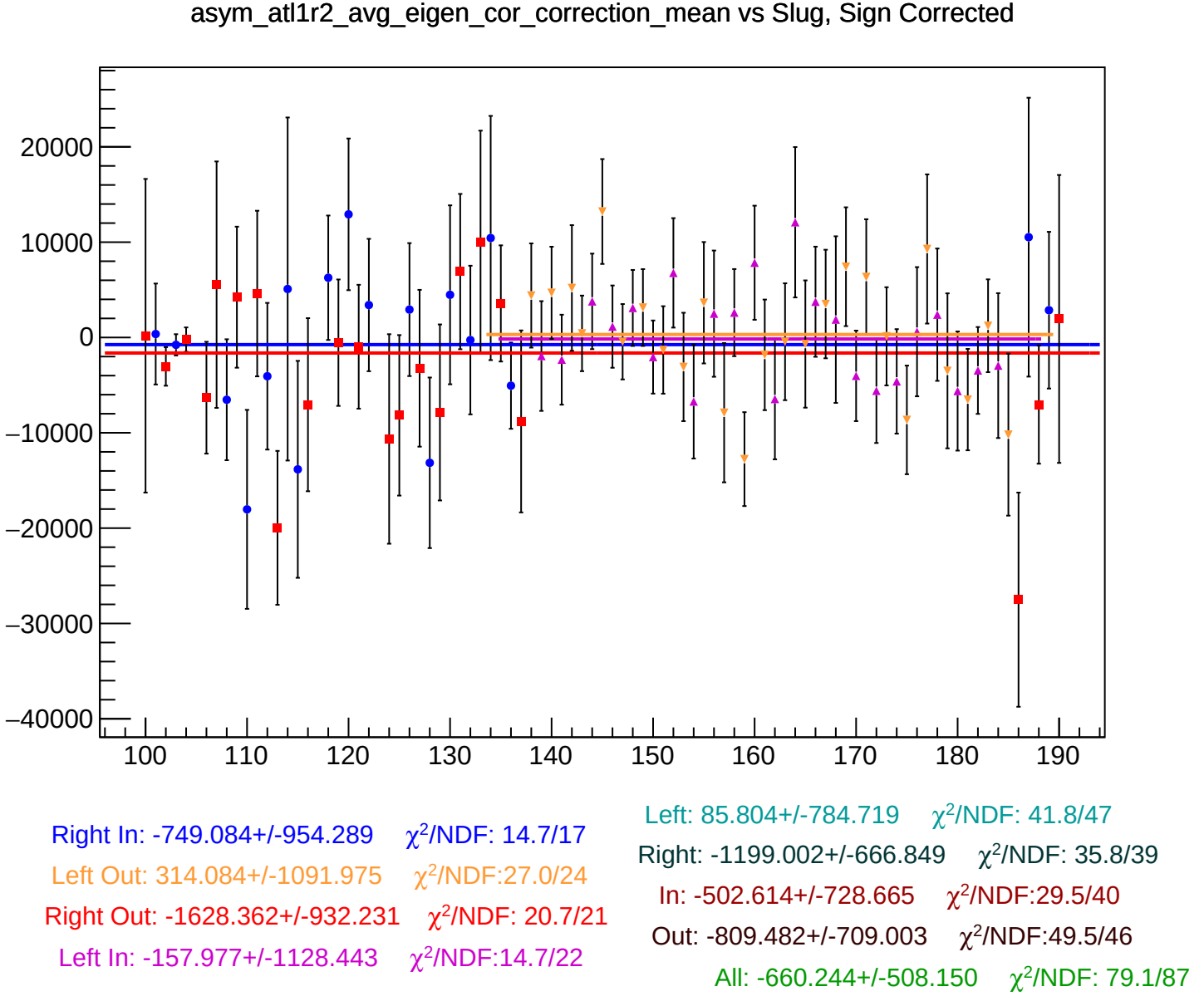
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1870.982+/-0.323 χ^2/NDF: 637573.2/39

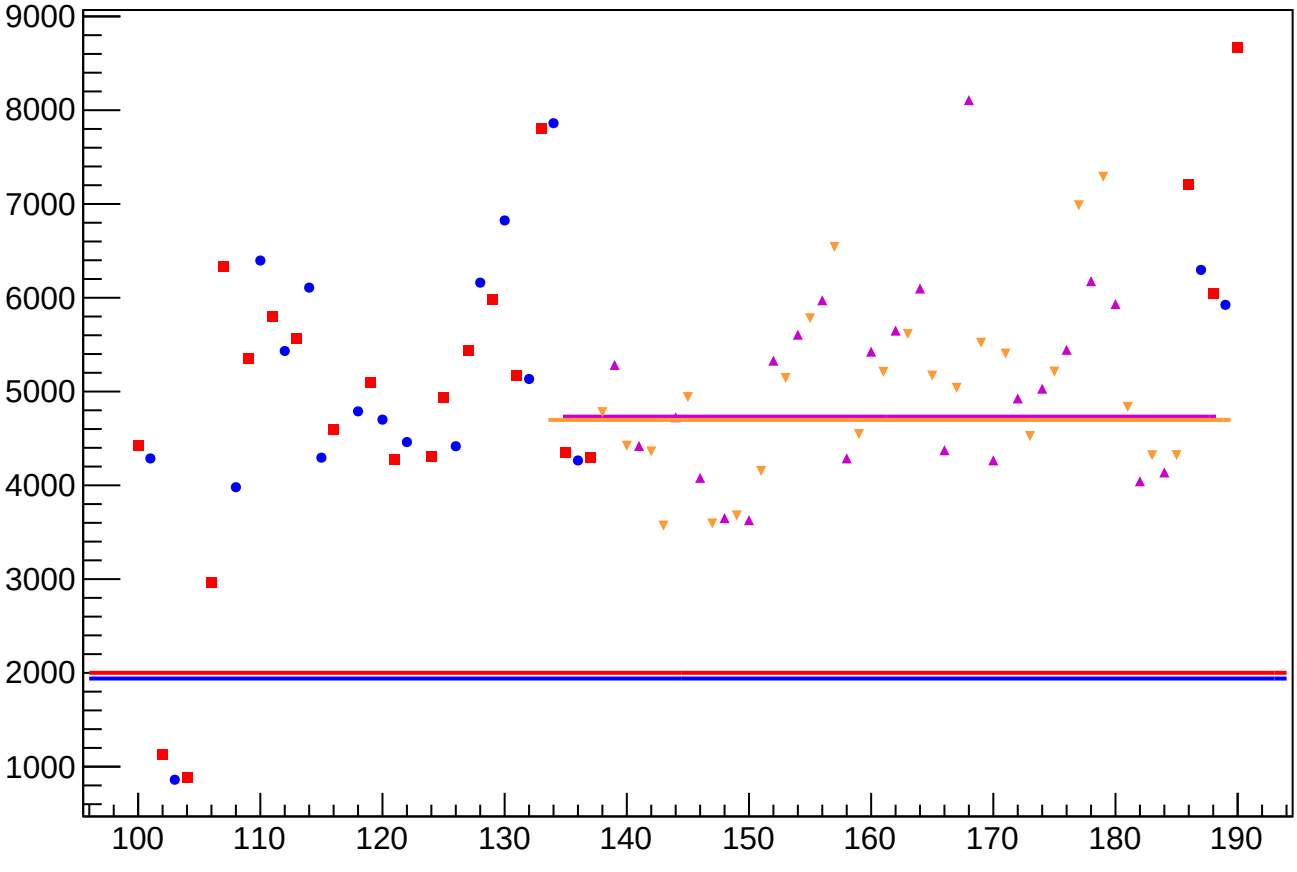
In: 1742.515+/-0.241 χ^2/NDF:358448.0/40

Out: 1760.944+/-0.235 χ^2/NDF:544557.4/46

All: 1751.981+/-0.168 χ^2/NDF: 906008.0/87


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -749.084+/-954.289 χ²/NDF: 14.7/17
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1628.362+/-932.231 χ²/NDF: 20.7/21
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1199.002+/-666.849 χ²/NDF: 35.8/39
In: -502.614+/-728.665 χ²/NDF:29.5/40
Out: -809.482+/-709.003 χ²/NDF:49.5/46
All: -660.244+/-508.150 χ²/NDF: 79.1/87

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1939.818+/-0.675 χ^2/NDF: 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2000.912+/-0.659 χ^2/NDF: 8184940.3/21

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

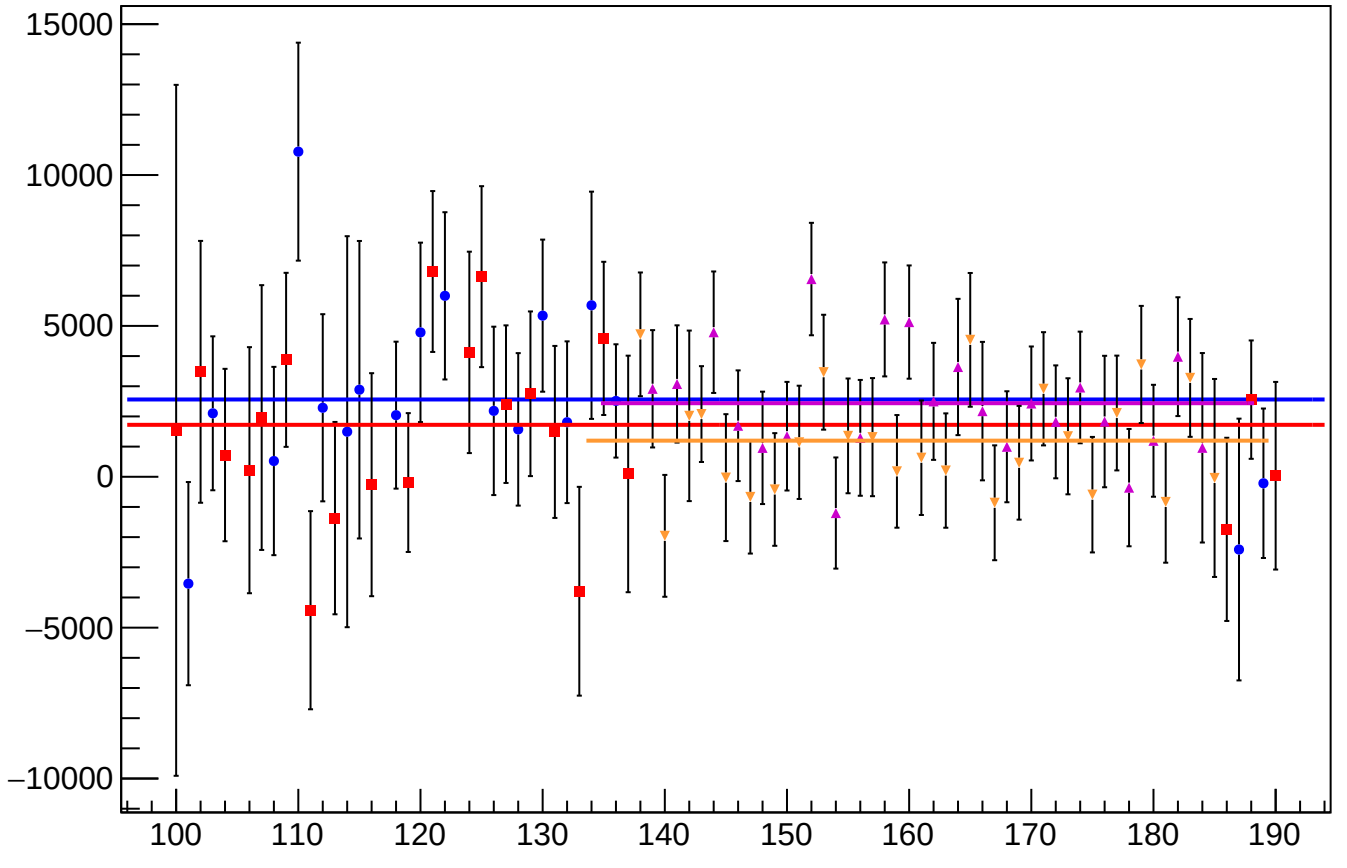
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1971.079+/-0.472 χ^2/NDF: 15698421.6/39

In: 3104.229+/-0.515 χ^2/NDF:15893534.4/40

Out: 3137.766+/-0.501 χ^2/NDF:16479726.6/46

All: 3121.456+/-0.359 χ^2/NDF: 32375437.2/8



Right In: 2561.763+/-681.315 χ^2/NDF: 15.8/17

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1721.636+/-646.782 χ^2/NDF: 19.2/21

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

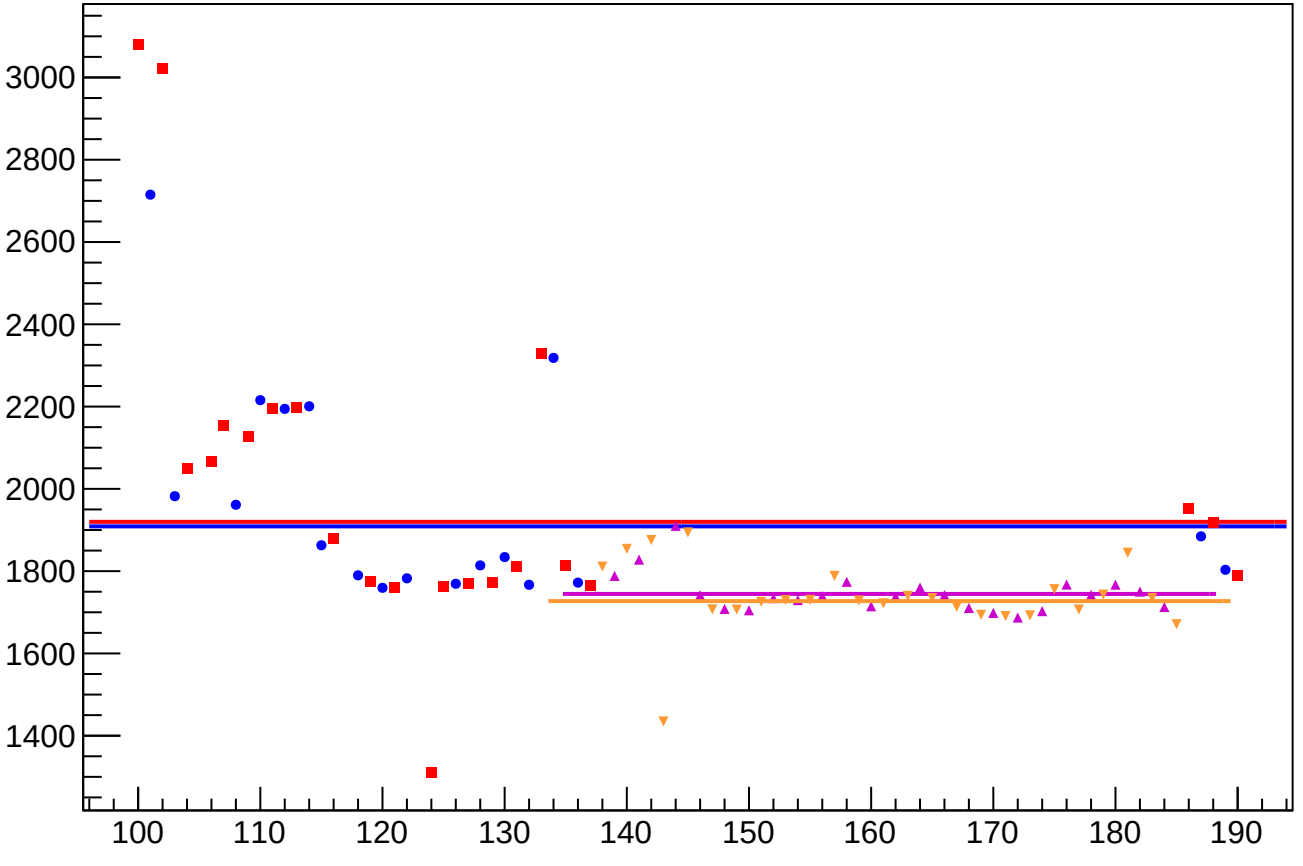
Right: 2119.870+/-469.077 χ^2/NDF: 35.8/39

In: 2470.661+/-349.752 χ^2/NDF:36.4/40

Out: 1338.722+/-335.848 χ^2/NDF:39.2/46

All: 1881.745+/-242.247 χ^2/NDF: 81.1/87

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1908.828+/-0.482 χ^2/NDF: 219638.8/17

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1919.892+/-0.457 χ^2/NDF: 342979.0/21

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

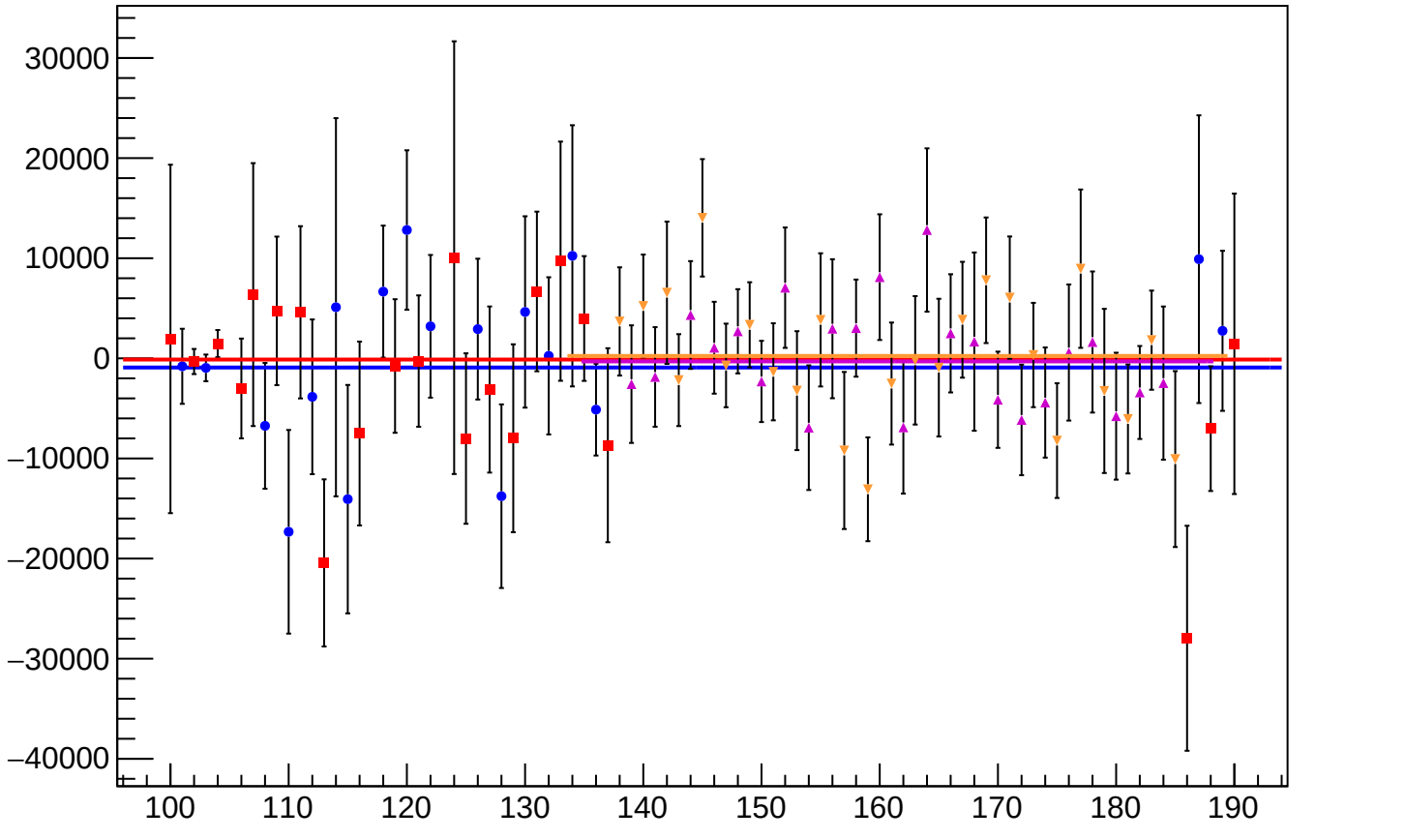
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1914.651+/-0.332 χ^2/NDF: 562895.4/39

In: 1787.903+/-0.247 χ^2/NDF:331984.9/40

Out: 1779.231+/-0.237 χ^2/NDF:582981.1/46

All: 1783.390+/-0.171 χ^2/NDF: 915605.6/87



Right In: -915.687+/-1059.988 χ^2/NDF: 14.6/17

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -119.717+/-824.746 χ^2/NDF: 21.2/21

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

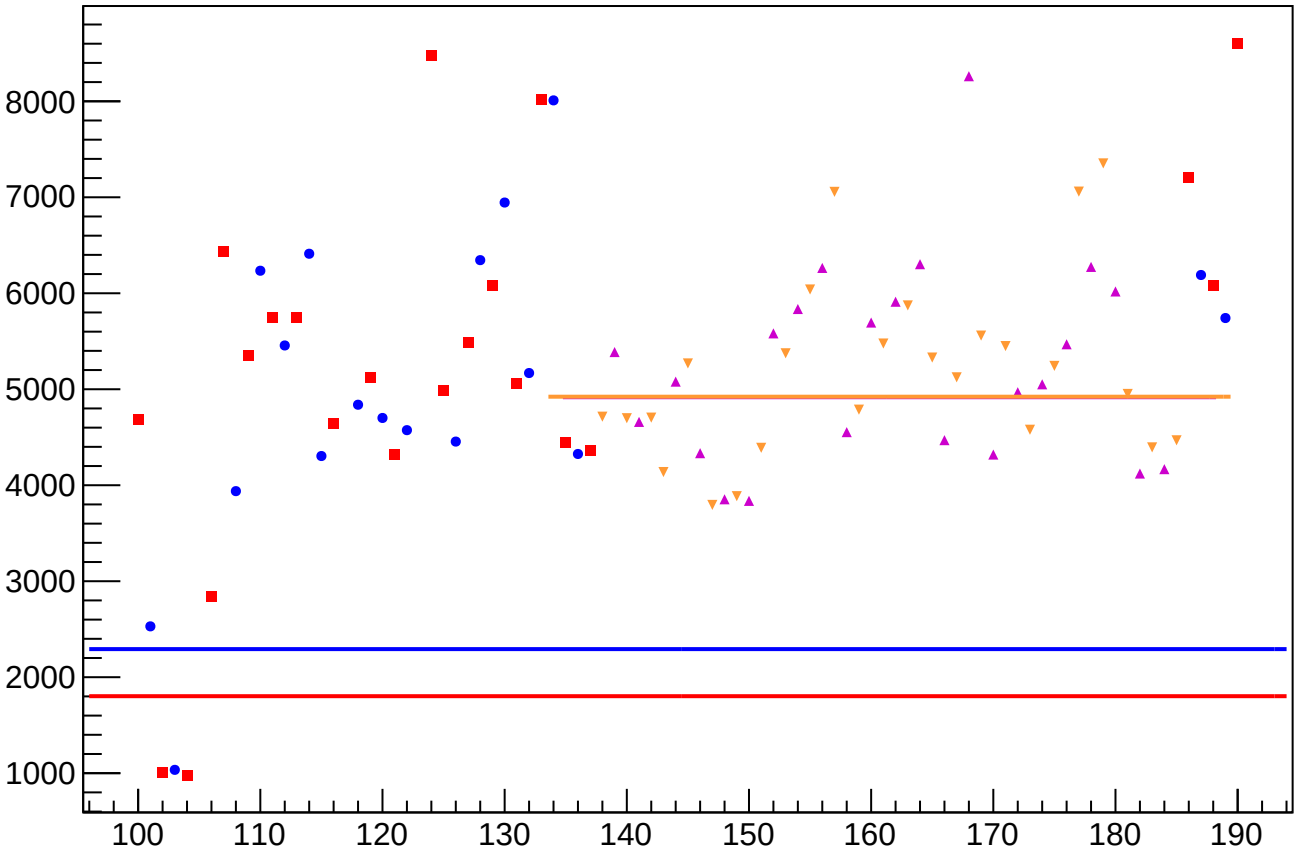
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -419.878+/-650.922 χ^2/NDF: 36.2/39

In: -641.159+/-785.854 χ^2/NDF:29.3/40

Out: 4.123+/-668.404 χ^2/NDF:48.0/46

All: -266.741+/-509.146 χ^2/NDF: 77.6/87



Right In: 2292.705+/-0.750 χ^2/NDF: 6030776.2/17

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1802.191+/-0.583 χ^2/NDF: 8718057.8/21

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

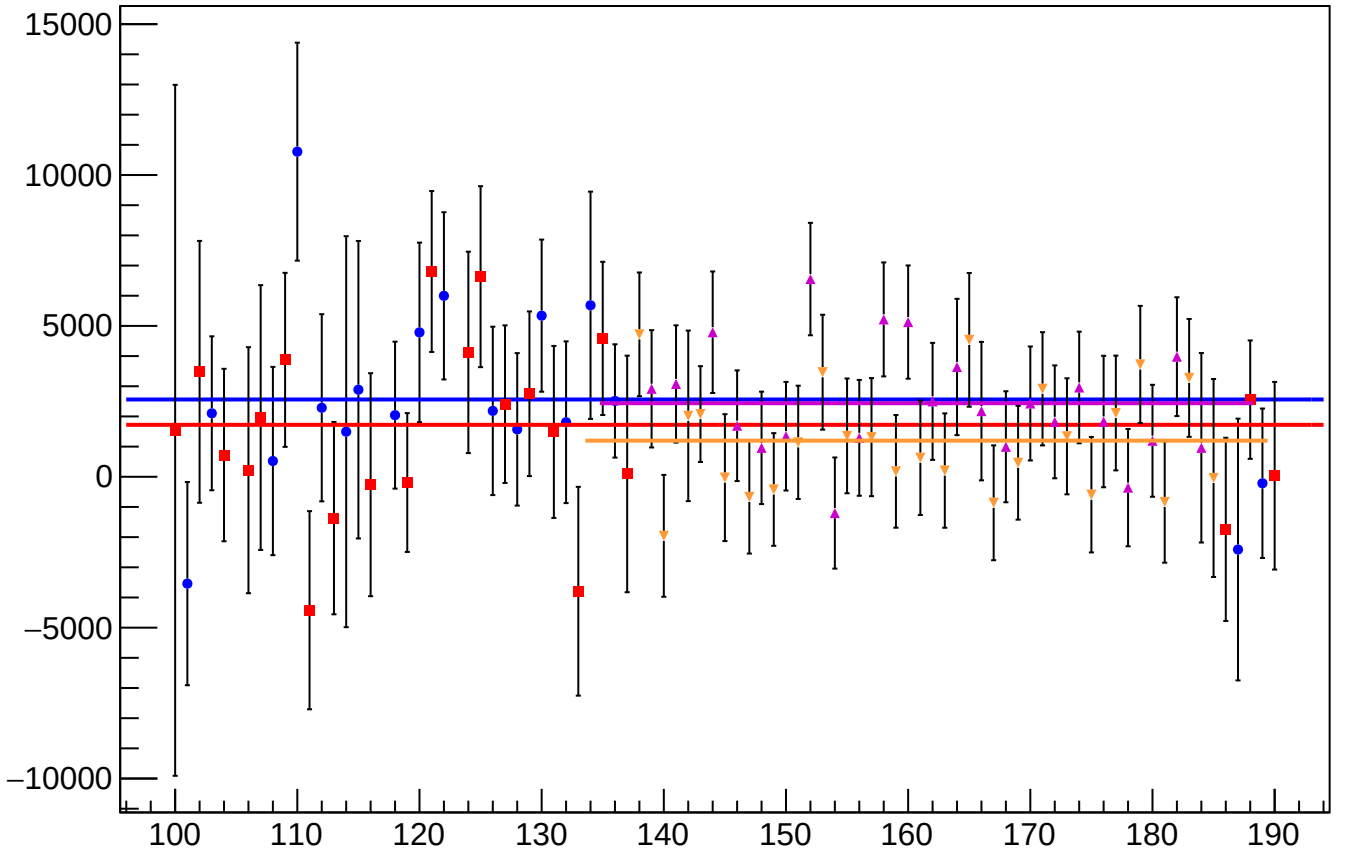
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1987.164+/-0.460 χ^2/NDF: 15015611.7/39

In: 3474.555+/-0.556 χ^2/NDF:12713163.1/40

Out: 2873.015+/-0.473 χ^2/NDF:19592479.0/46

All: 3125.518+/-0.360 χ^2/NDF: 32985599.5/8



Right In: 2561.764+/-681.314 χ^2/NDF: 15.8/17

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1721.640+/-646.782 χ^2/NDF: 19.2/21

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

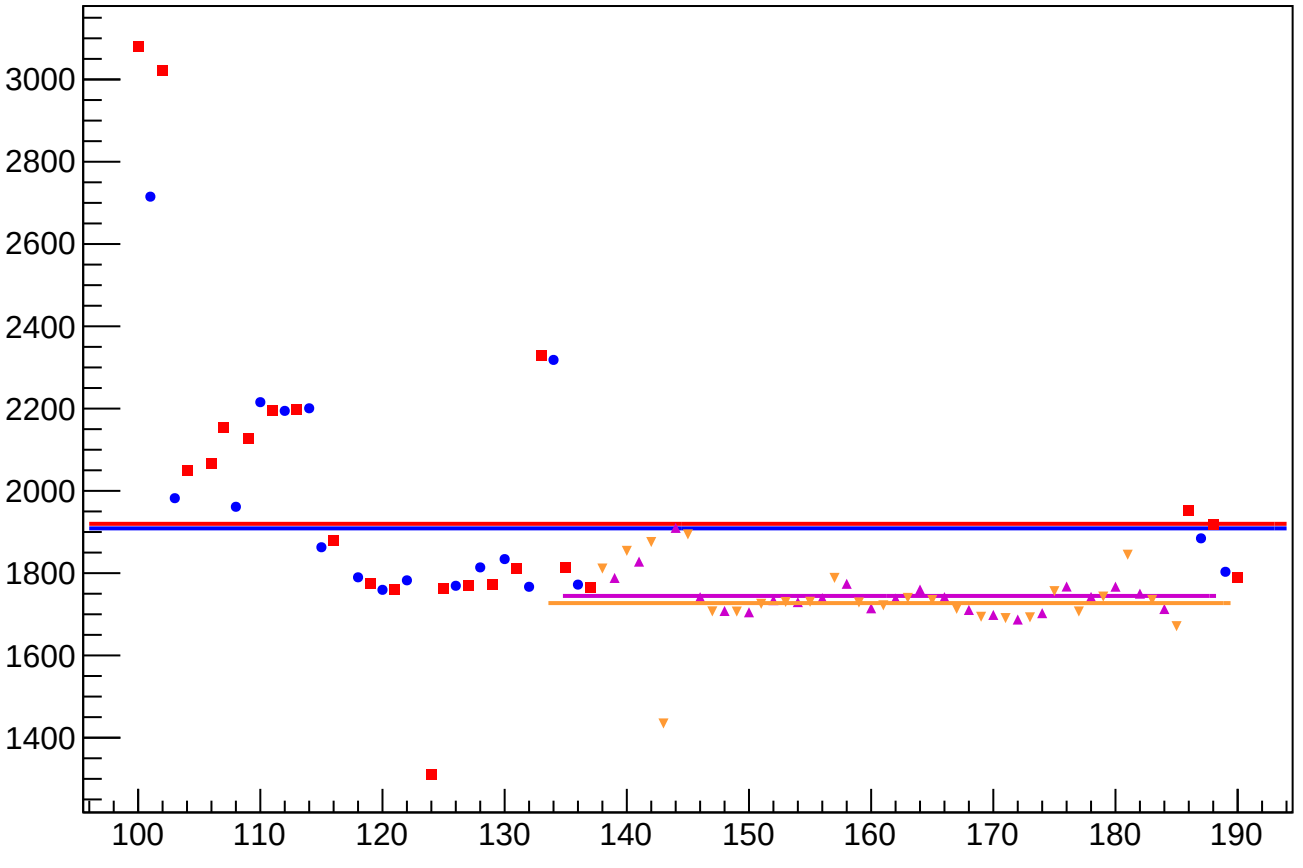
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2119.872+/-469.077 χ^2/NDF: 35.8/39

In: 2470.661+/-349.752 χ^2/NDF:36.4/40

Out: 1338.719+/-335.848 χ^2/NDF:39.2/46

All: 1881.744+/-242.247 χ^2/NDF: 81.1/87



Right In: 1908.827+/-0.482 χ^2/NDF: 219639.0/17

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1919.892+/-0.457 χ^2/NDF: 342978.0/21

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

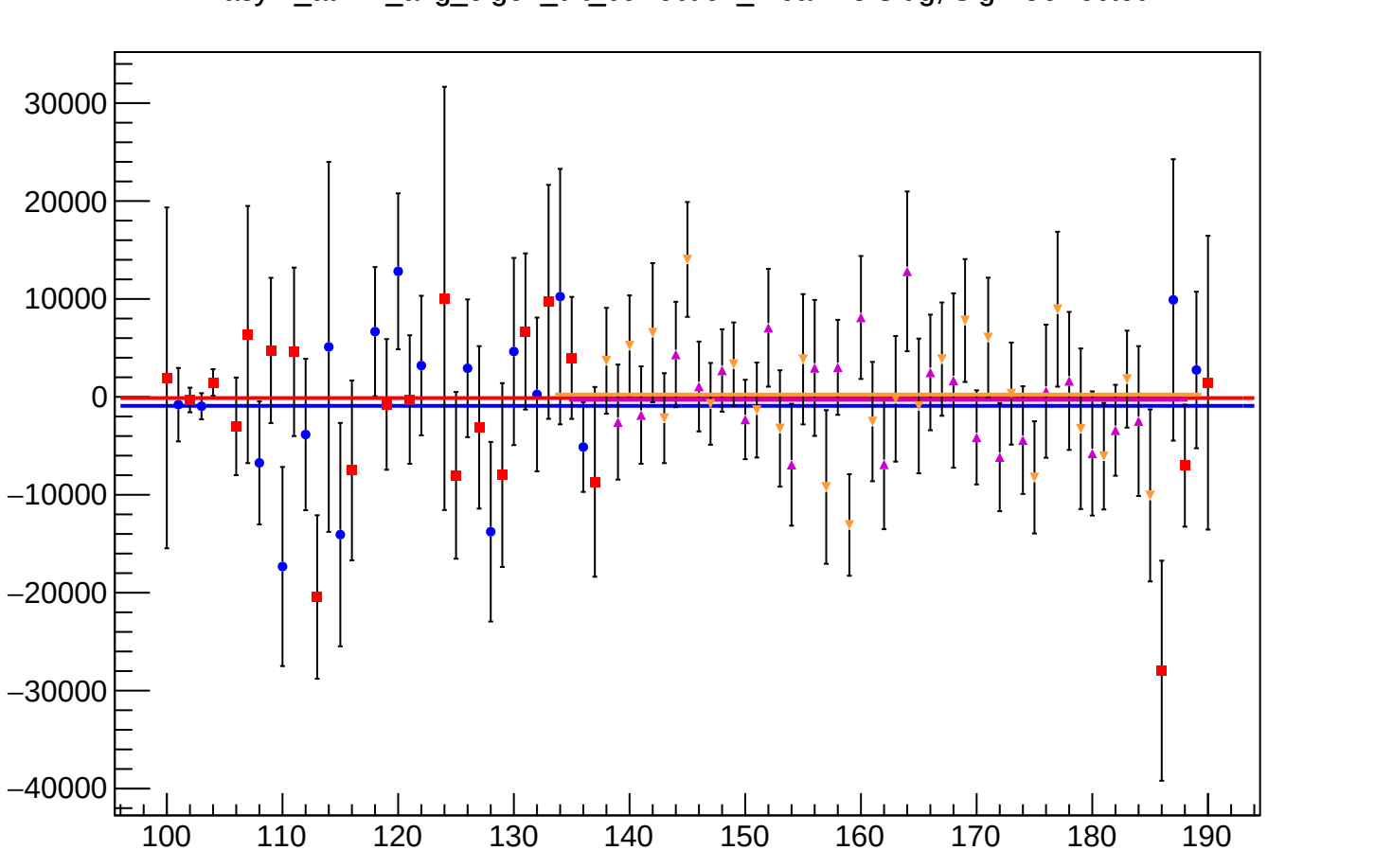
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1914.650+/-0.332 χ^2/NDF: 562894.6/39

In: 1787.903+/-0.247 χ^2/NDF:331983.5/40

Out: 1779.232+/-0.237 χ^2/NDF:582977.4/46

All: 1783.391+/-0.171 χ^2/NDF: 915600.6/87



Right In: -915.685+/-1059.987 χ^2/NDF: 14.6/17

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -119.722+/-824.745 χ^2/NDF: 21.2/21

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

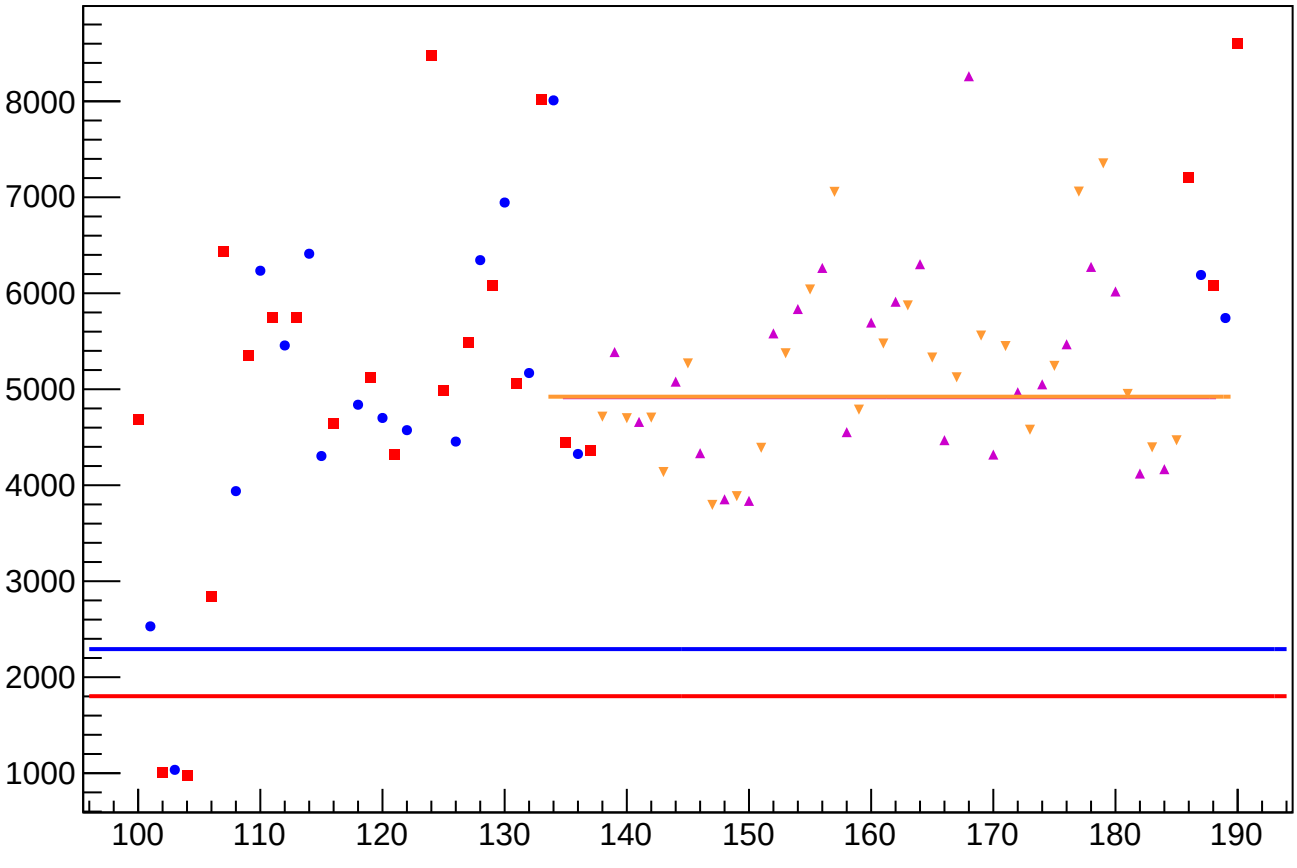
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -419.880+/-650.922 χ^2/NDF: 36.2/39

In: -641.160+/-785.854 χ^2/NDF:29.3/40

Out: 4.119+/-668.405 χ^2/NDF:48.0/46

All: -266.744+/-509.147 χ^2/NDF: 77.6/87



Right In: 2292.704+/-0.750 χ^2/NDF: 6030770.6/17

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1802.190+/-0.583 χ^2/NDF: 8718050.4/21

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

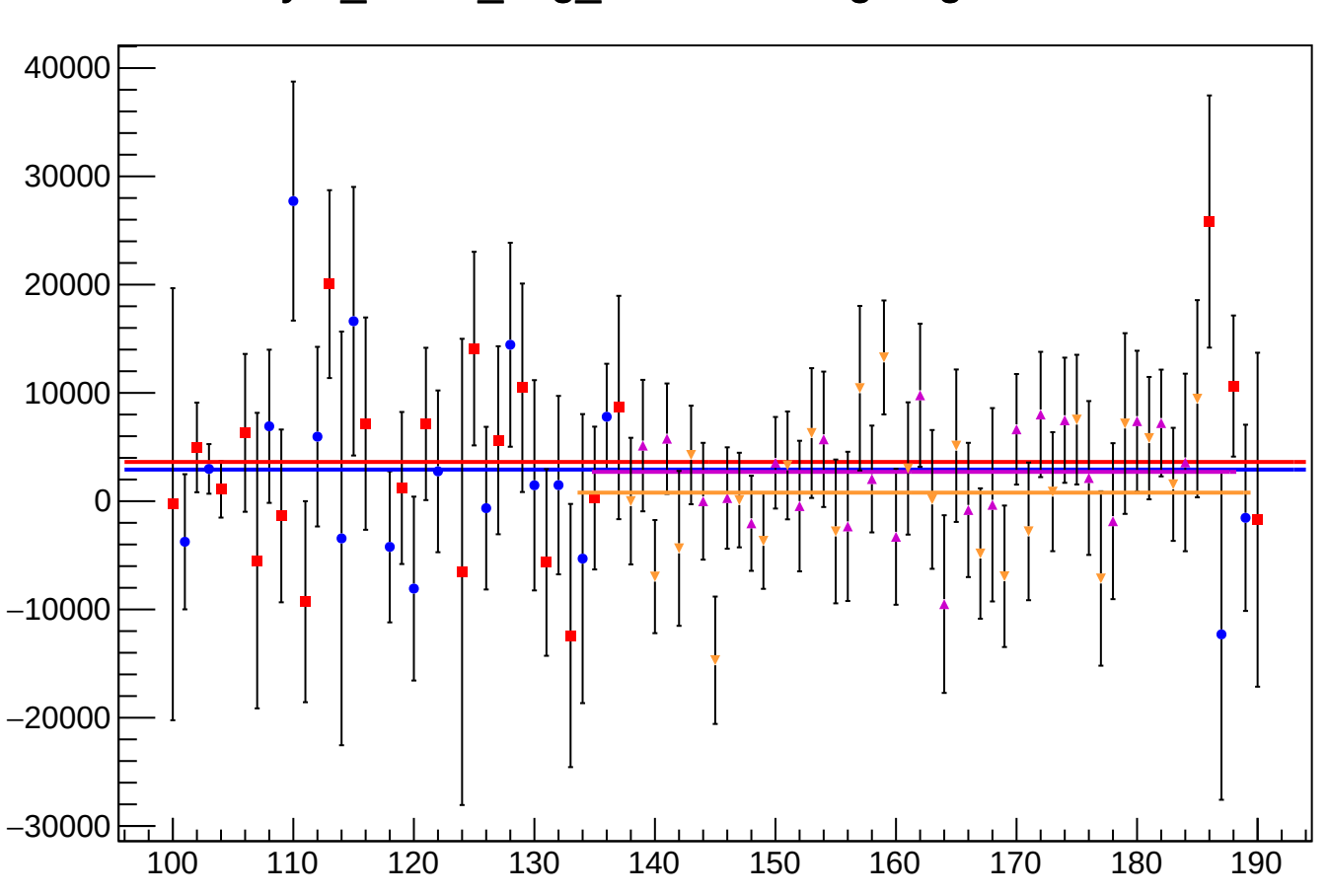
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 1987.163+/-0.460 χ^2/NDF: 15015598.5/39

In: 3474.555+/-0.556 χ^2/NDF:12713190.8/40

Out: 2873.015+/-0.473 χ^2/NDF:19592509.0/46

All: 3125.518+/-0.360 χ^2/NDF: 32985658.2/8



Right In: 2918.385+/-1507.783 χ^2/NDF: 15.1/17

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3621.720+/-1490.337 χ^2/NDF: 18.5/21

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

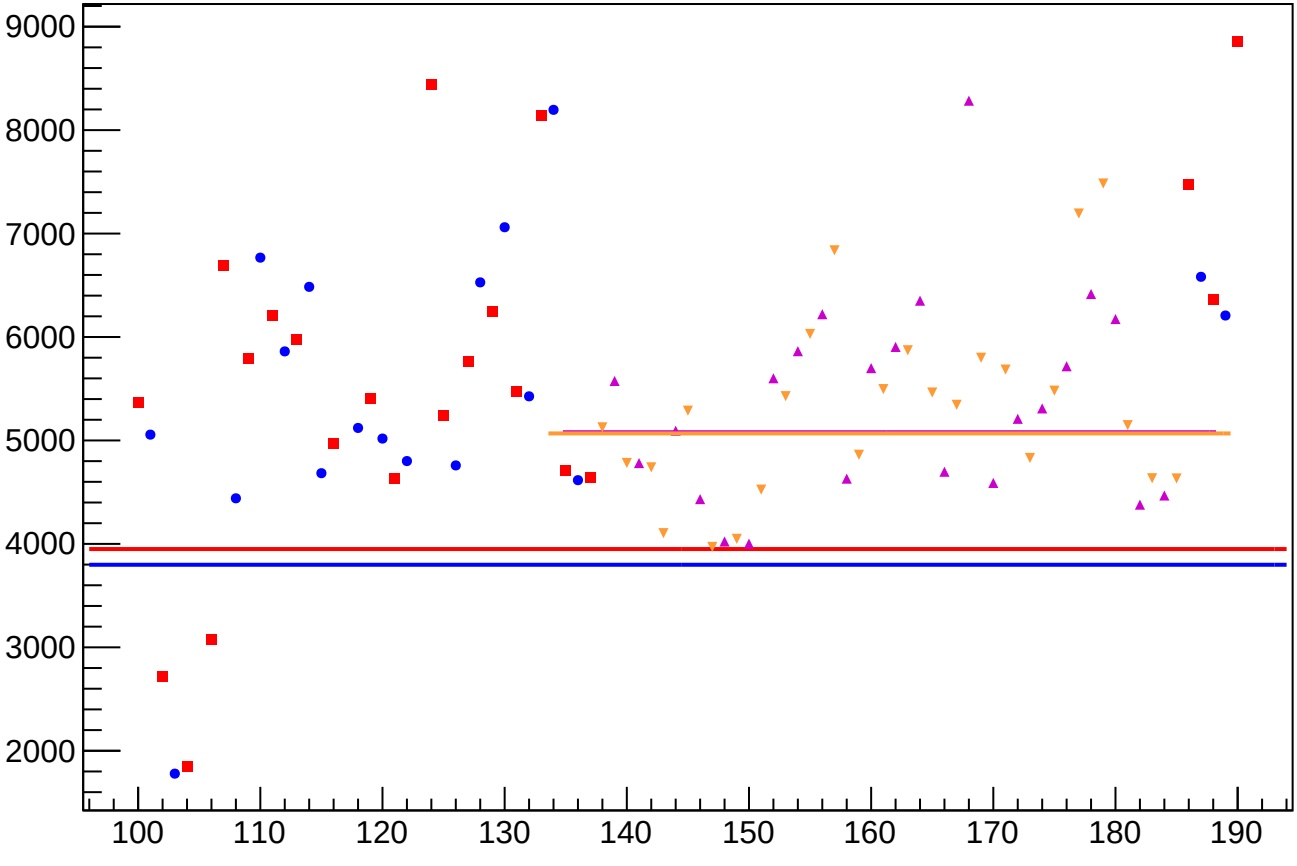
Right: 3274.145+/-1059.942 χ^2/NDF: 33.8/39

In: 2788.601+/-941.930 χ^2/NDF:27.0/40

Out: 1870.744+/-921.241 χ^2/NDF:48.3/46

All: 2319.482+/-658.609 χ^2/NDF: 75.9/87

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3798.276+/-1.066 χ^2/NDF: 3118477.7/17

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3950.266+/-1.044 χ^2/NDF: 3394412.0/21

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

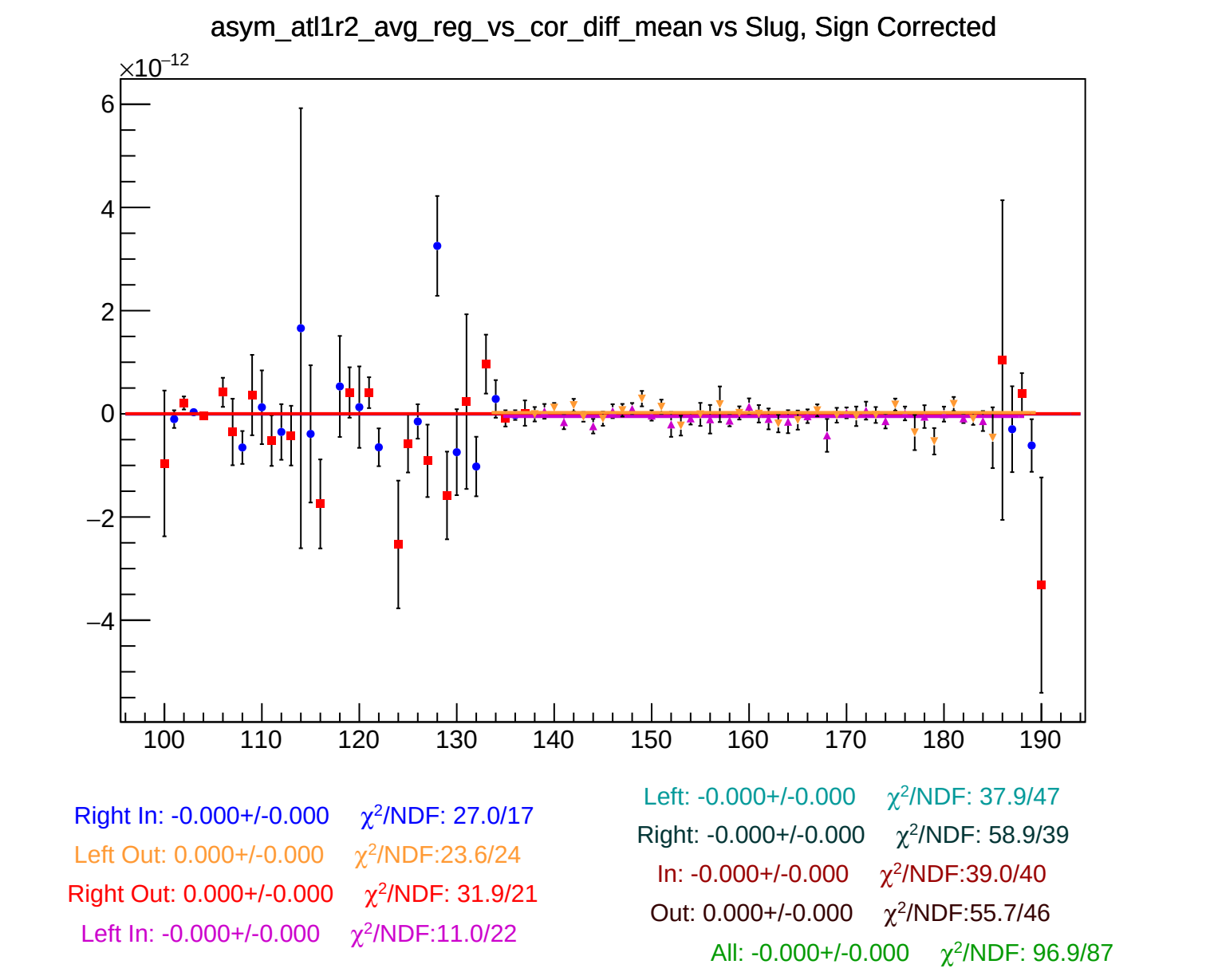
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

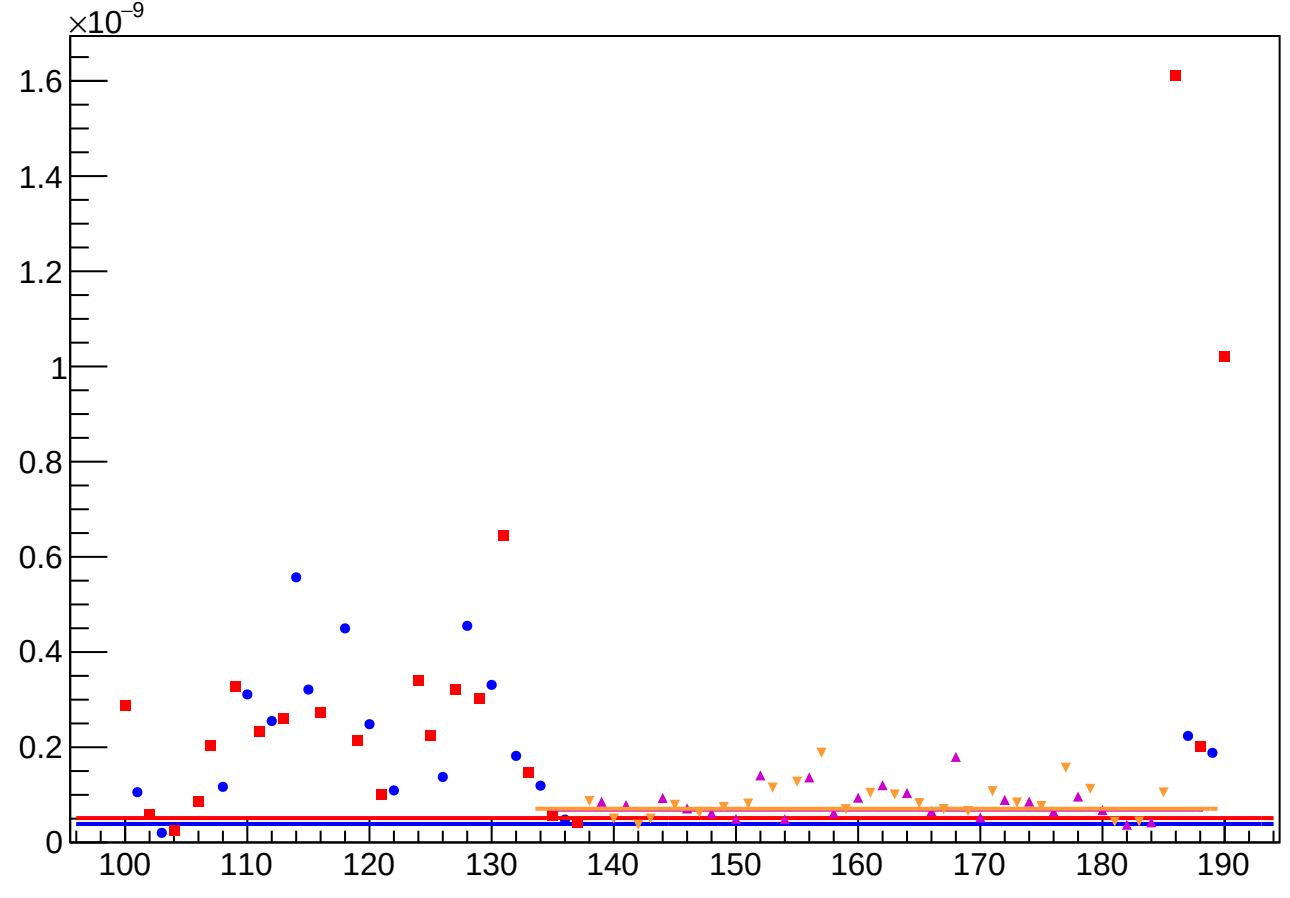
Right: 3875.858+/-0.746 χ^2/NDF: 6523263.3/39

In: 4579.613+/-0.666 χ^2/NDF:5000542.2/40

Out: 4635.954+/-0.649 χ^2/NDF:5051619.9/46

All: 4608.510+/-0.465 χ^2/NDF: 10055832.0/8


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 27.0/17
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.9/21
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: 58.9/39
In: -0.000+/-0.000 χ²/NDF:39.0/40
Out: 0.000+/-0.000 χ²/NDF:55.7/46
All: -0.000+/-0.000 χ²/NDF: 96.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 3413032.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4137865.7/21

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

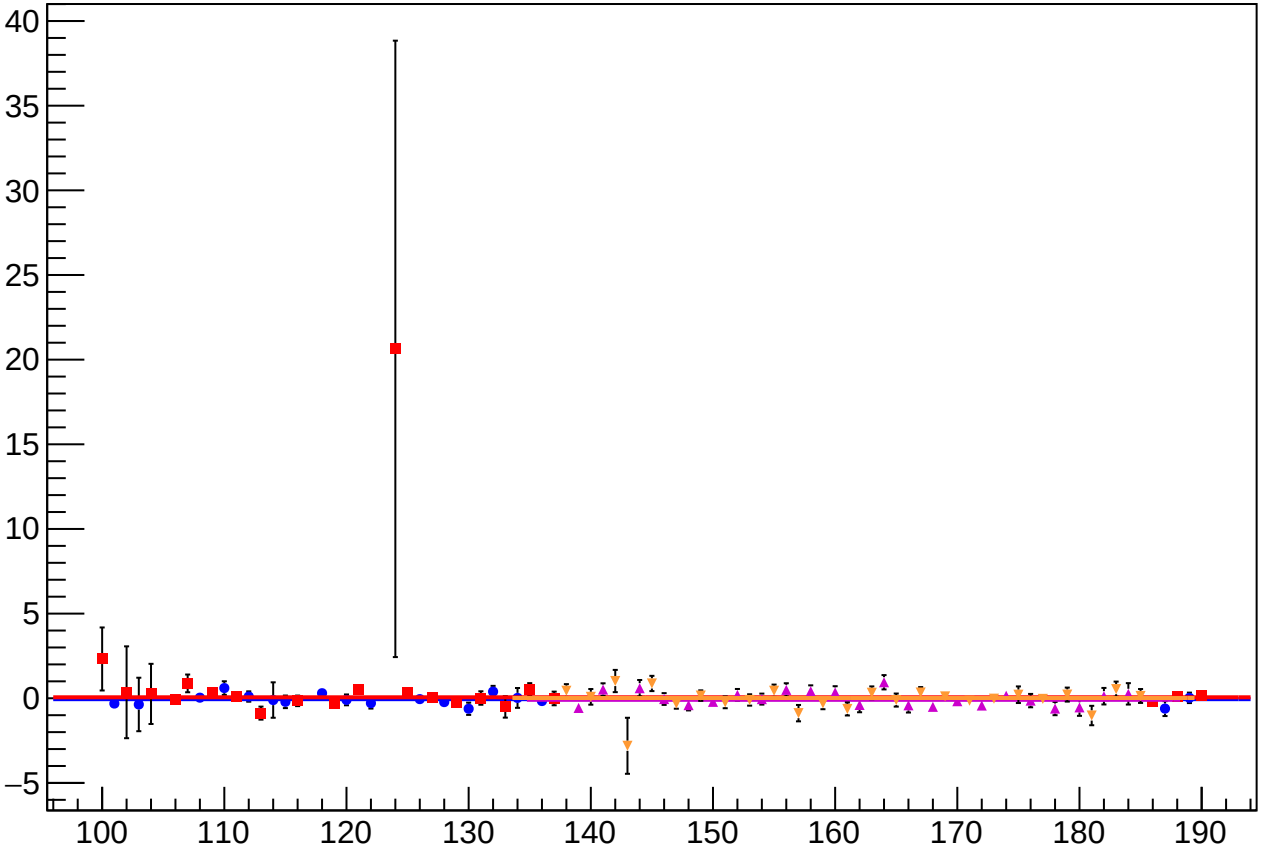
Right: 0.000+/-0.000 χ^2/NDF: 7644468.7/39

In: 0.000+/-0.000 χ^2/NDF:5675685.9/40

Out: 0.000+/-0.000 χ^2/NDF:5899642.8/46

All: 0.000+/-0.000 χ^2/NDF: 11694146.0/87

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.058+/-0.060 χ^2/NDF: 25.2/21

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

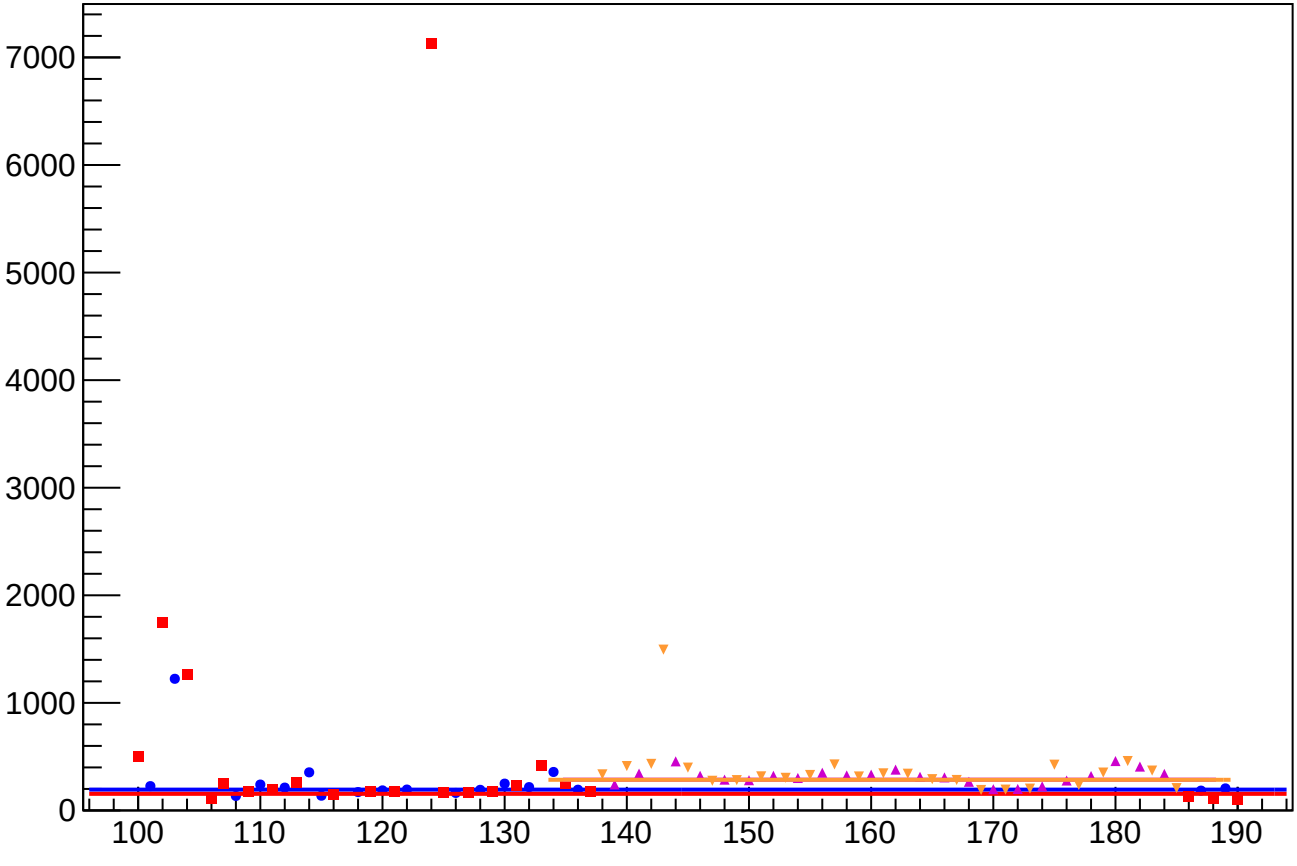
Right: 0.014+/-0.046 χ^2/NDF: 40.0/39

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.039+/-0.045 χ^2/NDF:53.7/46

All: -0.010+/-0.034 χ^2/NDF: 100.9/87

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.673+/-0.053 χ^2/NDF: 1412038.6/17

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 154.368+/-0.042 χ^2/NDF: 3267944.3/21

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

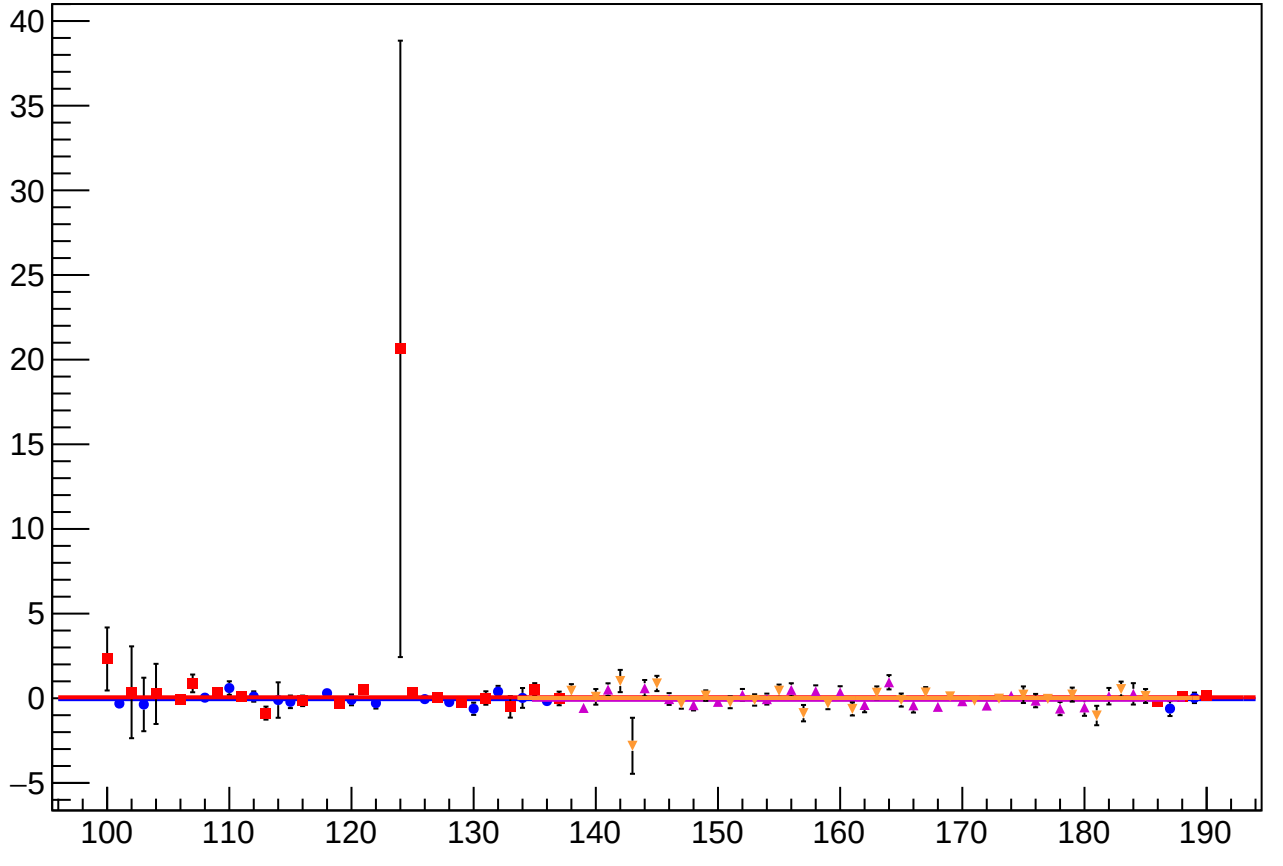
Right: 169.740+/-0.033 χ^2/NDF: 5020629.6/39

In: 242.254+/-0.036 χ^2/NDF:4778612.0/40

Out: 209.403+/-0.032 χ^2/NDF:10729503.6/46

All: 223.859+/-0.024 χ^2/NDF: 15970665.7/87

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.058+/-0.060 χ^2/NDF: 25.2/21

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

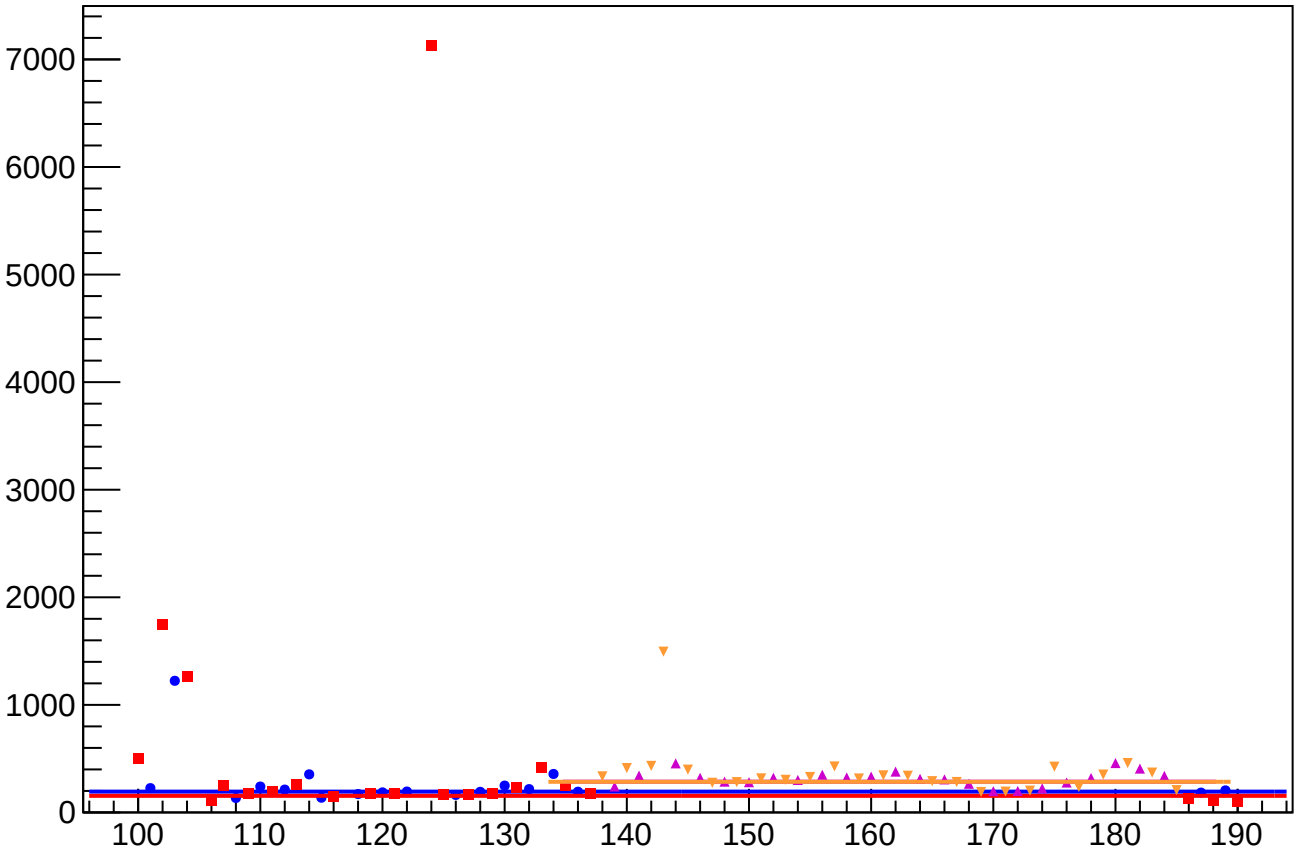
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.014+/-0.046 χ^2/NDF: 40.0/39

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.039+/-0.045 χ^2/NDF:53.7/46

All: -0.010+/-0.034 χ^2/NDF: 100.9/87



Right In: 193.673+/-0.053 χ^2/NDF: 1412038.6/17

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 154.368+/-0.042 χ^2/NDF: 3267944.3/21

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

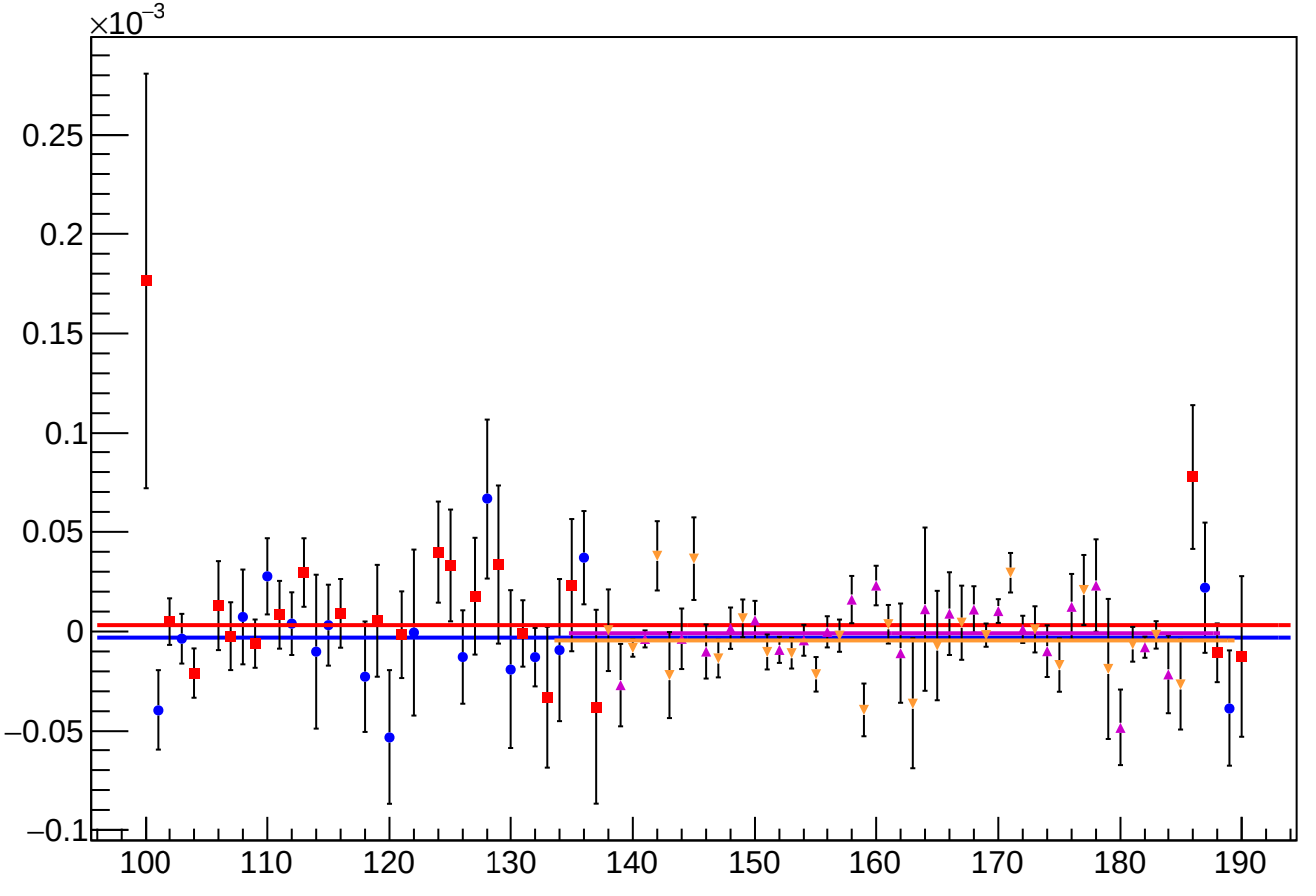
Right: 169.740+/-0.033 χ^2/NDF: 5020629.6/39

In: 242.254+/-0.036 χ^2/NDF:4778612.0/40

Out: 209.403+/-0.032 χ^2/NDF:10729503.6/46

All: 223.859+/-0.024 χ^2/NDF: 15970665.7/87

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/21

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

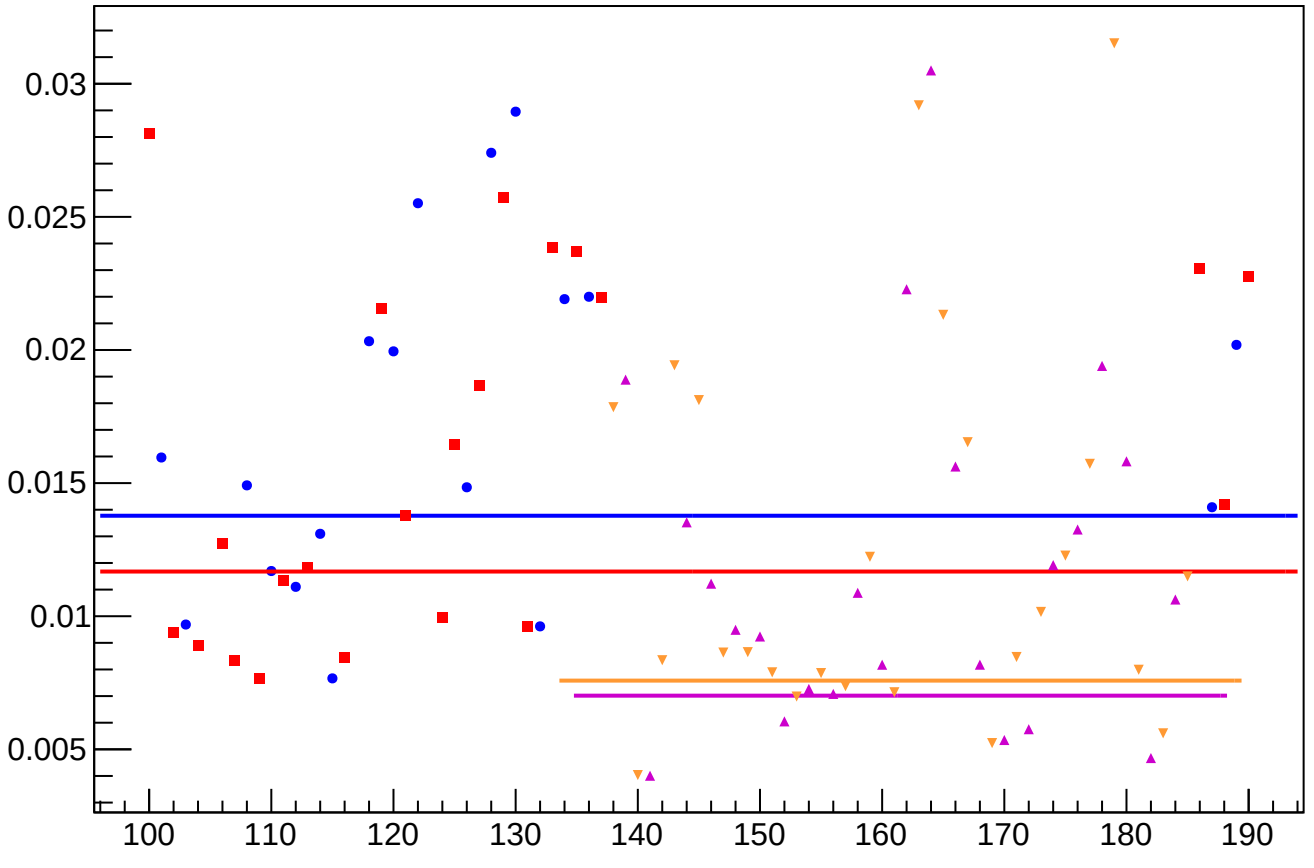
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 40.3/39

In: -0.000+/-0.000 χ^2/NDF:47.1/40

Out: -0.000+/-0.000 χ^2/NDF:68.2/46

All: -0.000+/-0.000 χ^2/NDF: 115.8/87



Right In: 0.014+/-0.000 χ^2/NDF: 1978327.6/17

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2322749.7/21

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

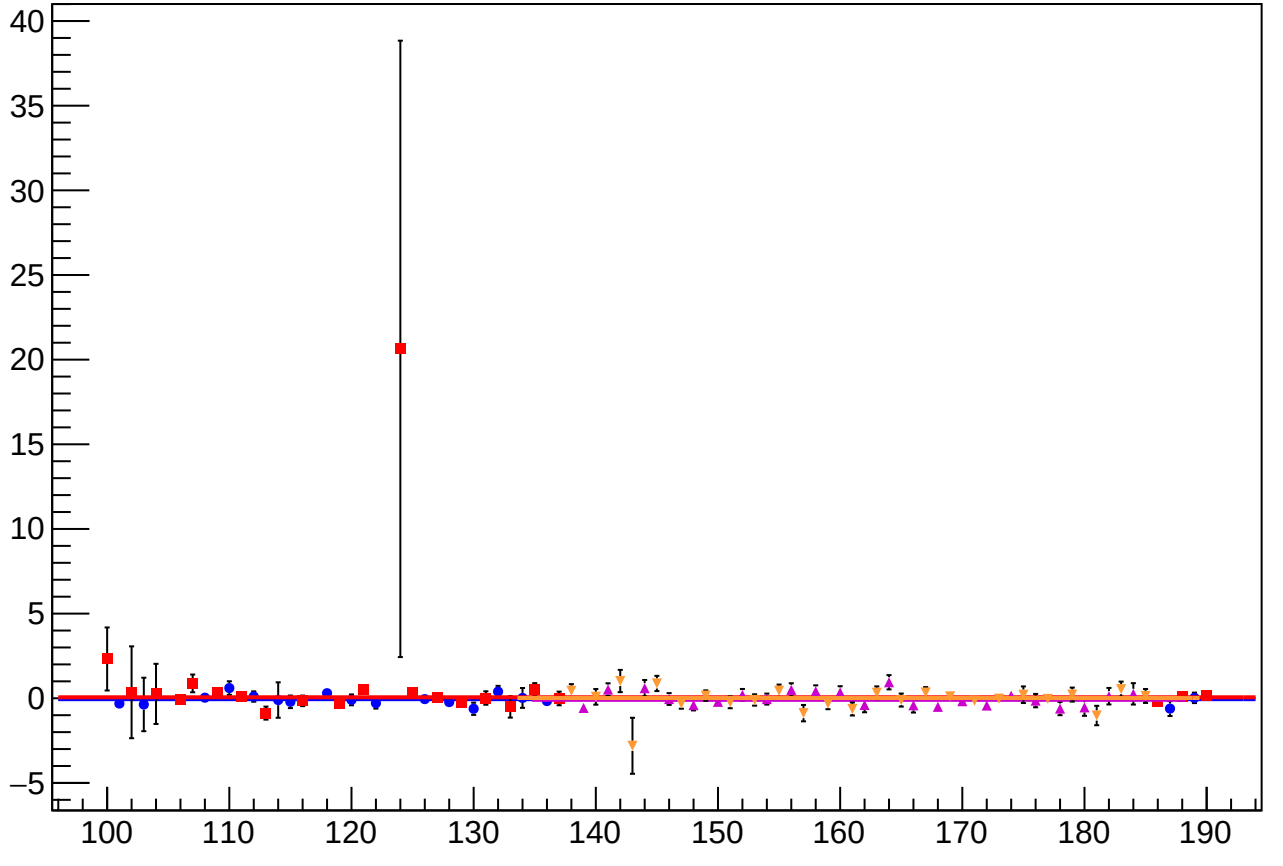
Right: 0.012+/-0.000 χ^2/NDF: 4492984.8/39

In: 0.008+/-0.000 χ^2/NDF:11608302.3/40

Out: 0.008+/-0.000 χ^2/NDF:11221985.9/46

All: 0.008+/-0.000 χ^2/NDF: 22915204.8/87

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.058+/-0.060 χ^2/NDF: 25.2/21

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

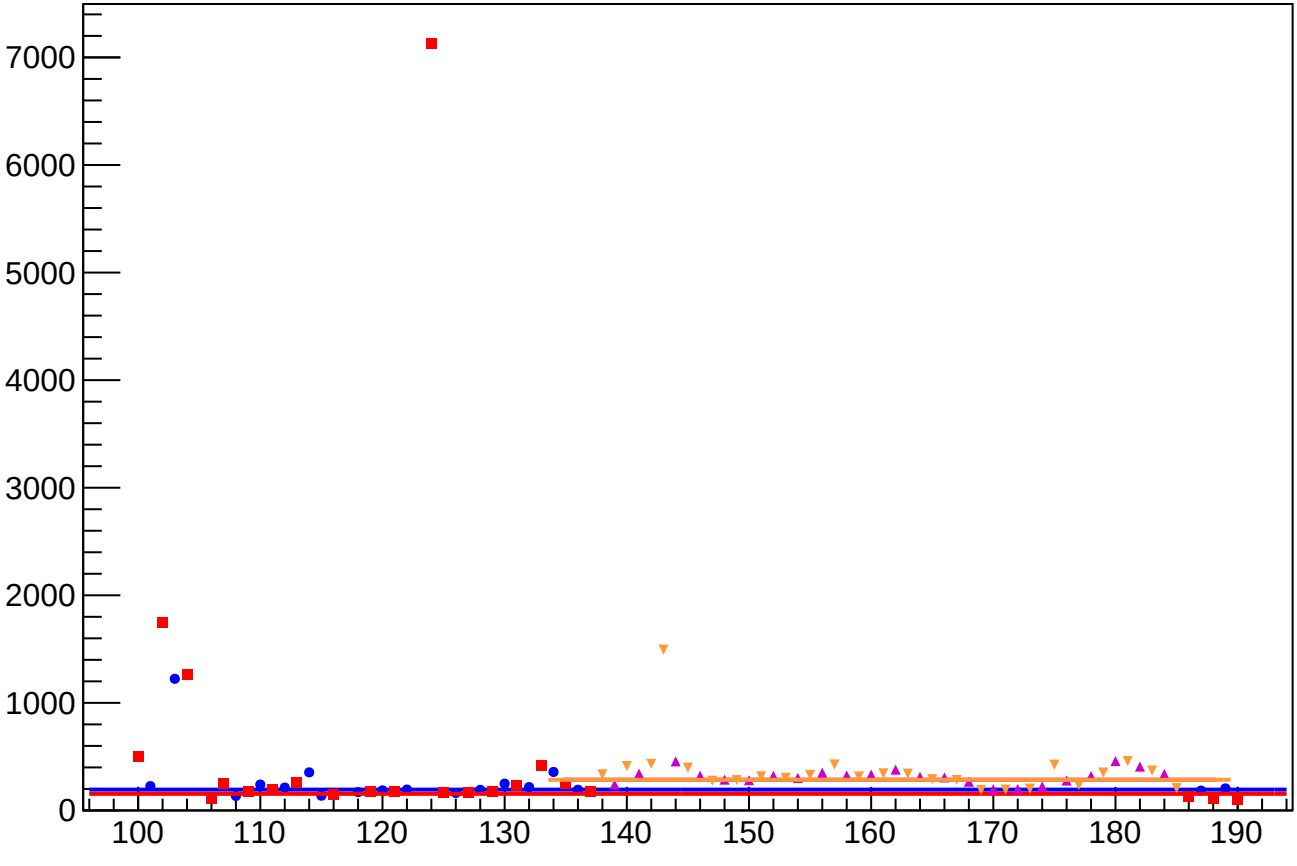
Right: 0.014+/-0.046 χ^2/NDF: 40.0/39

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.039+/-0.045 χ^2/NDF:53.7/46

All: -0.010+/-0.034 χ^2/NDF: 100.9/87

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 154.366+/-0.042 χ^2/NDF: 3268015.9/21

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

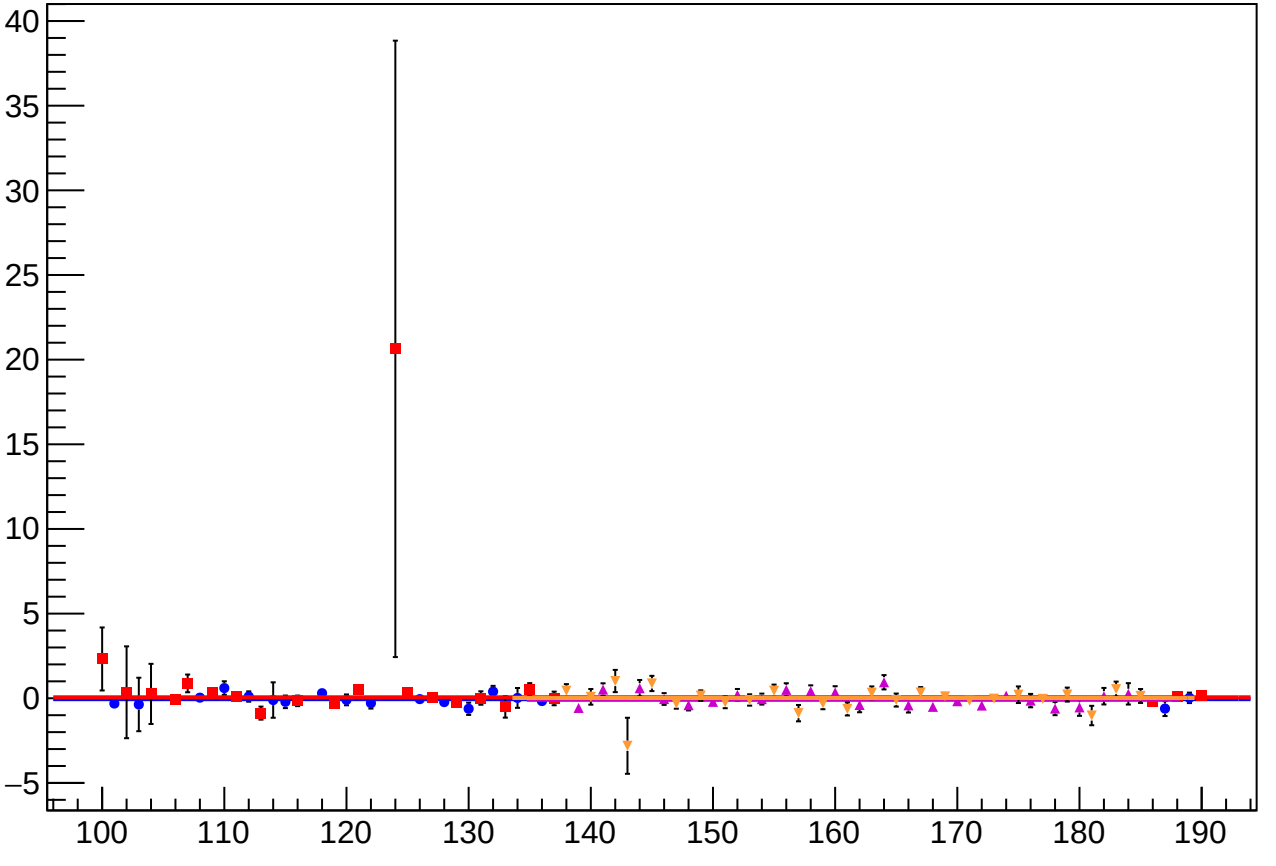
Right: 169.738+/-0.033 χ^2/NDF: 5020730.6/39

In: 242.254+/-0.036 χ^2/NDF:4778779.5/40

Out: 209.401+/-0.032 χ^2/NDF:10729956.6/46

All: 223.857+/-0.024 χ^2/NDF: 15971343.5/87

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.058+/-0.060 χ^2/NDF: 25.2/21

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

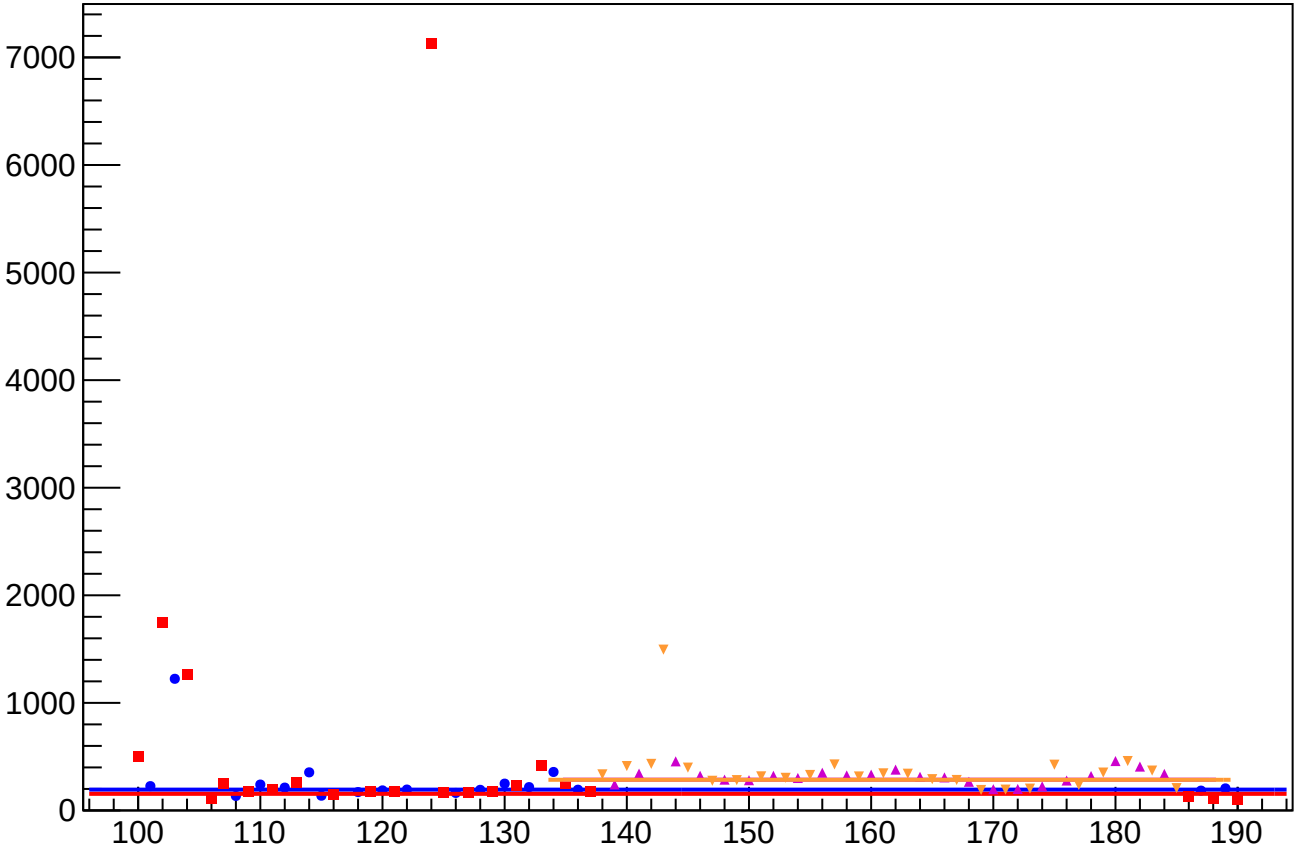
Right: 0.014+/-0.046 χ^2/NDF: 40.0/39

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.039+/-0.045 χ^2/NDF:53.7/46

All: -0.010+/-0.034 χ^2/NDF: 100.9/87

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 154.366+/-0.042 χ^2/NDF: 3268015.9/21

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

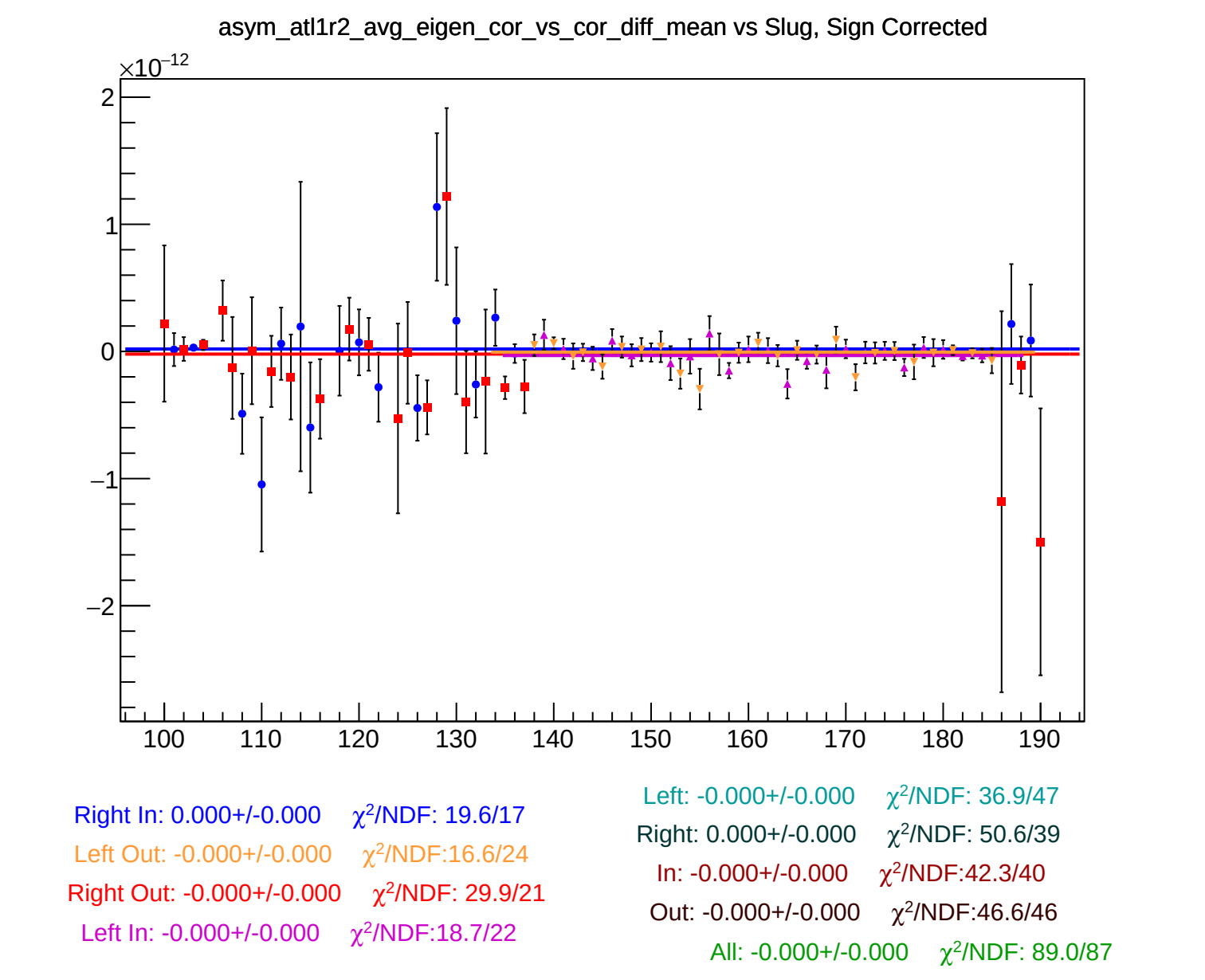
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

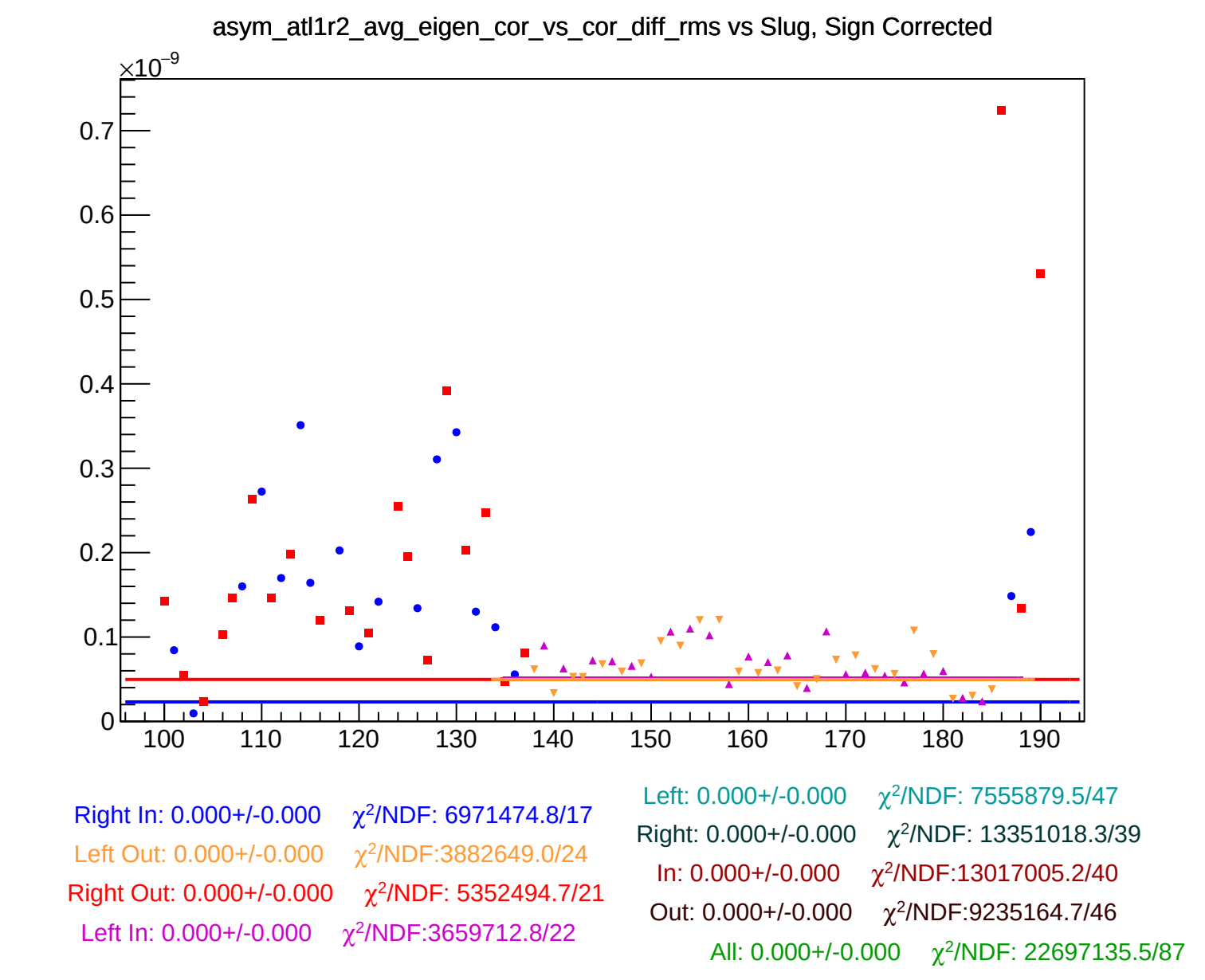
Right: 169.738+/-0.033 χ^2/NDF: 5020730.6/39

In: 242.254+/-0.036 χ^2/NDF:4778779.5/40

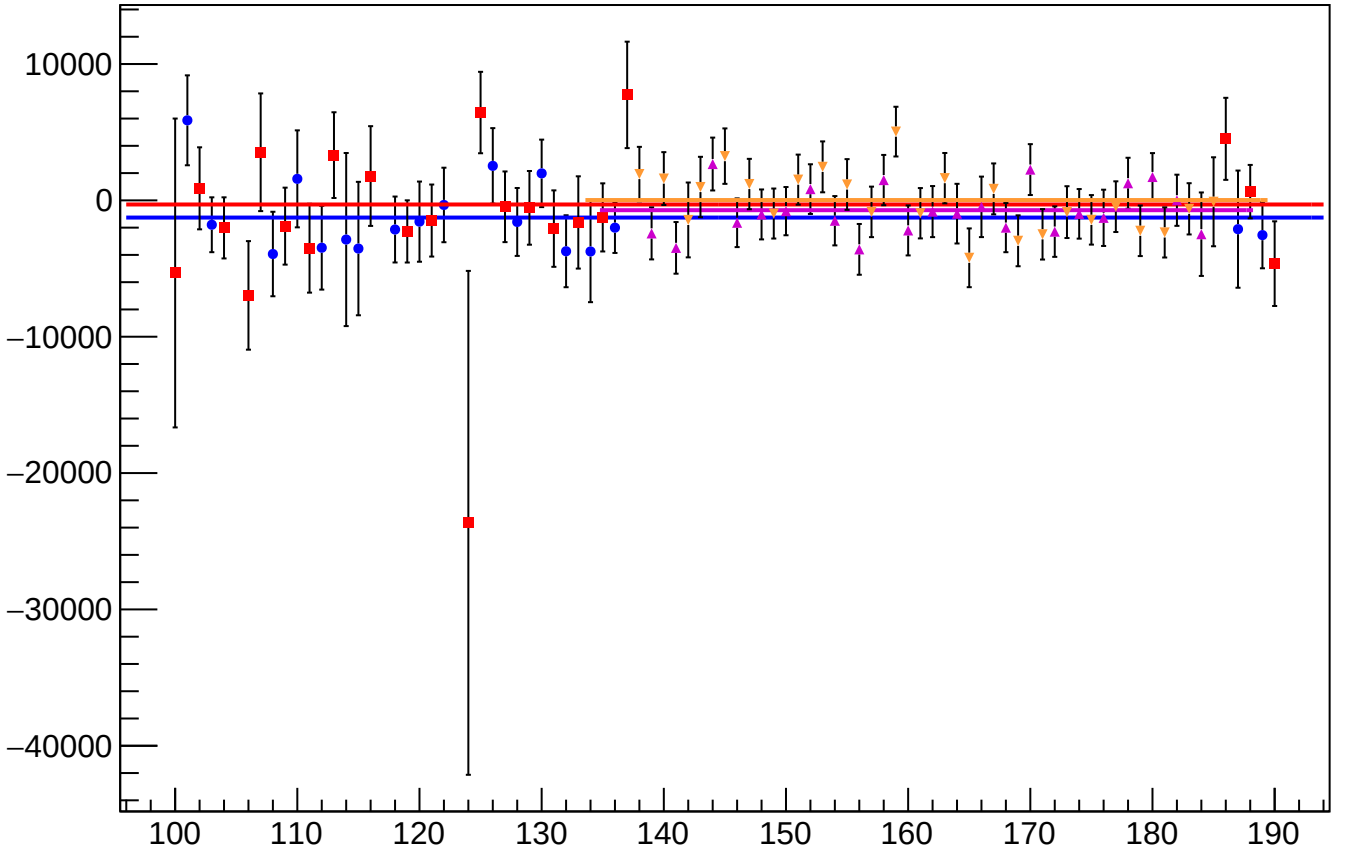
Out: 209.401+/-0.032 χ^2/NDF:10729956.6/46

All: 223.857+/-0.024 χ^2/NDF: 15971343.5/87


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.6/17
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.9/21
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: 50.6/39
In: -0.000+/-0.000 χ²/NDF:42.3/40
Out: -0.000+/-0.000 χ²/NDF:46.6/46
All: -0.000+/-0.000 χ²/NDF: 89.0/87


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6971474.8/17
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5352494.7/21
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
Left: 0.000+/-0.000 χ²/NDF: 7555879.5/47
Right: 0.000+/-0.000 χ²/NDF: 13351018.3/39
In: 0.000+/-0.000 χ²/NDF:13017005.2/40
Out: 0.000+/-0.000 χ²/NDF:9235164.7/46
All: 0.000+/-0.000 χ²/NDF: 22697135.5/87

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1261.131+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -301.927+/-634.756 χ^2/NDF: 24.8/21

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

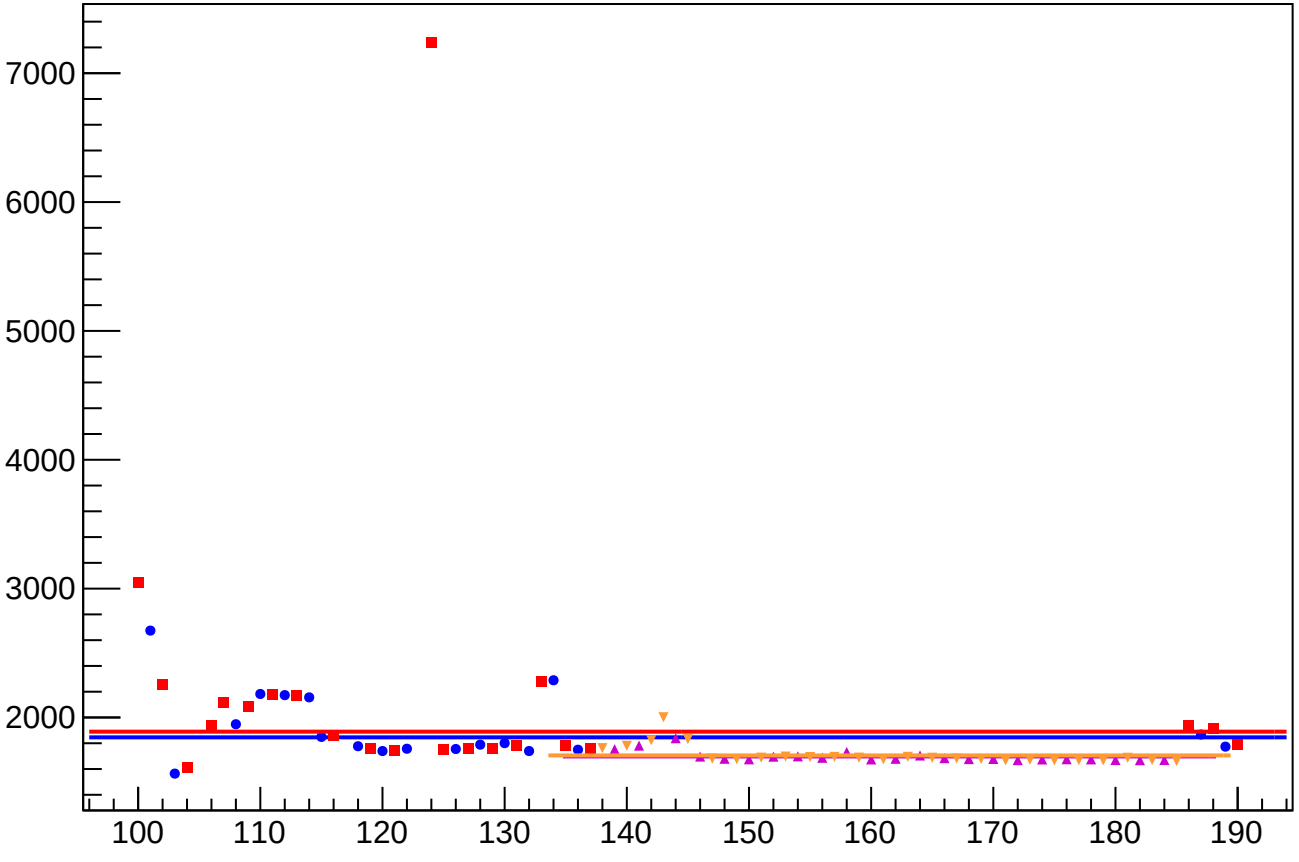
Right: -763.321+/-457.281 χ^2/NDF: 38.5/39

In: -863.330+/-339.758 χ^2/NDF:32.2/40

Out: -65.210+/-330.885 χ^2/NDF:54.5/46

All: -453.712+/-237.046 χ^2/NDF: 89.5/87

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1845.852+/-0.466 χ^2/NDF: 261896.1/17

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1889.957+/-0.448 χ^2/NDF: 361875.7/21

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

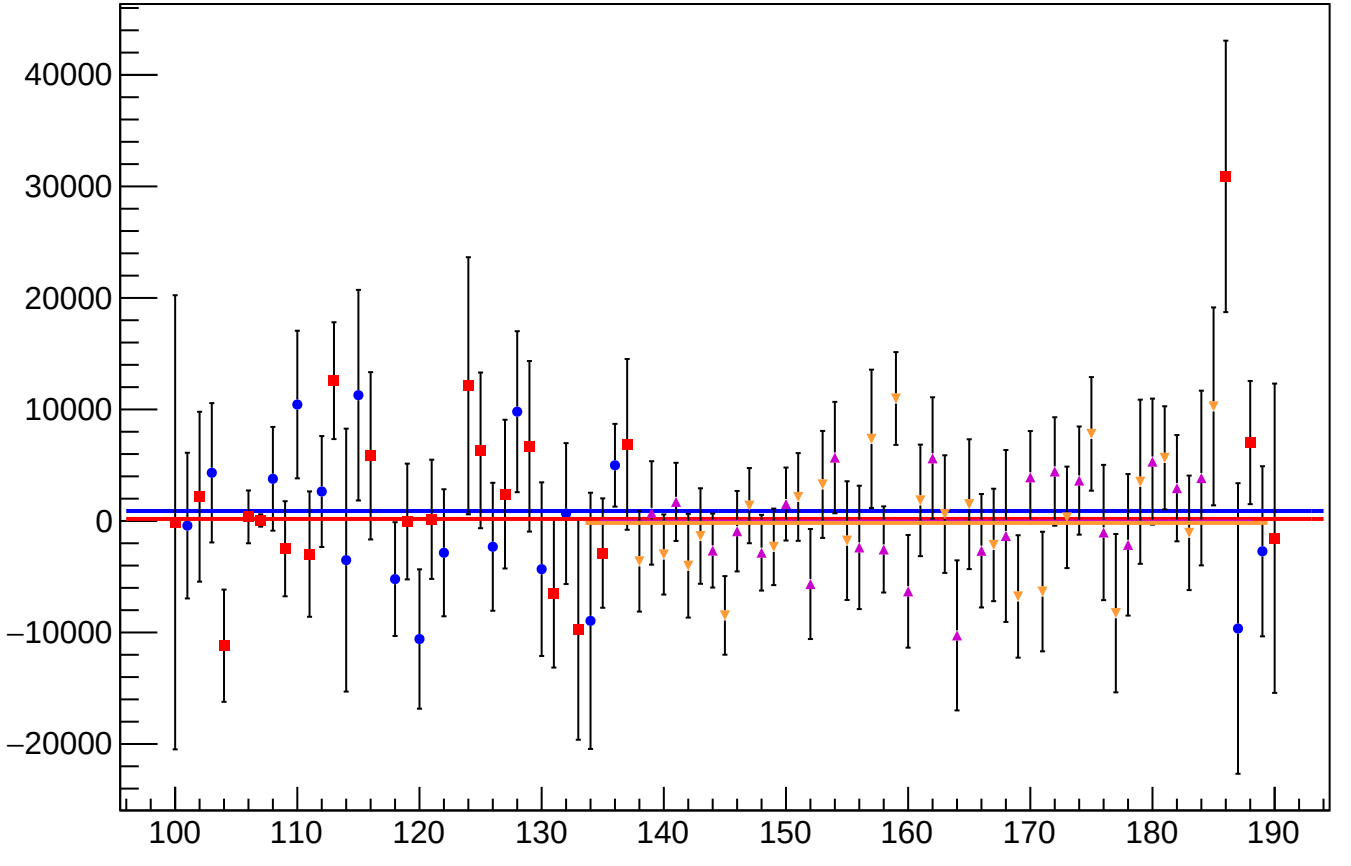
Right: 1868.783+/-0.323 χ^2/NDF: 628424.9/39

In: 1736.904+/-0.240 χ^2/NDF:357395.6/40

Out: 1755.858+/-0.234 χ^2/NDF:544958.4/46

All: 1746.637+/-0.168 χ^2/NDF: 905549.9/87

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 895.146+/-1464.476 χ^2/NDF: 14.6/17

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 180.835+/-502.825 χ^2/NDF: 25.9/21

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

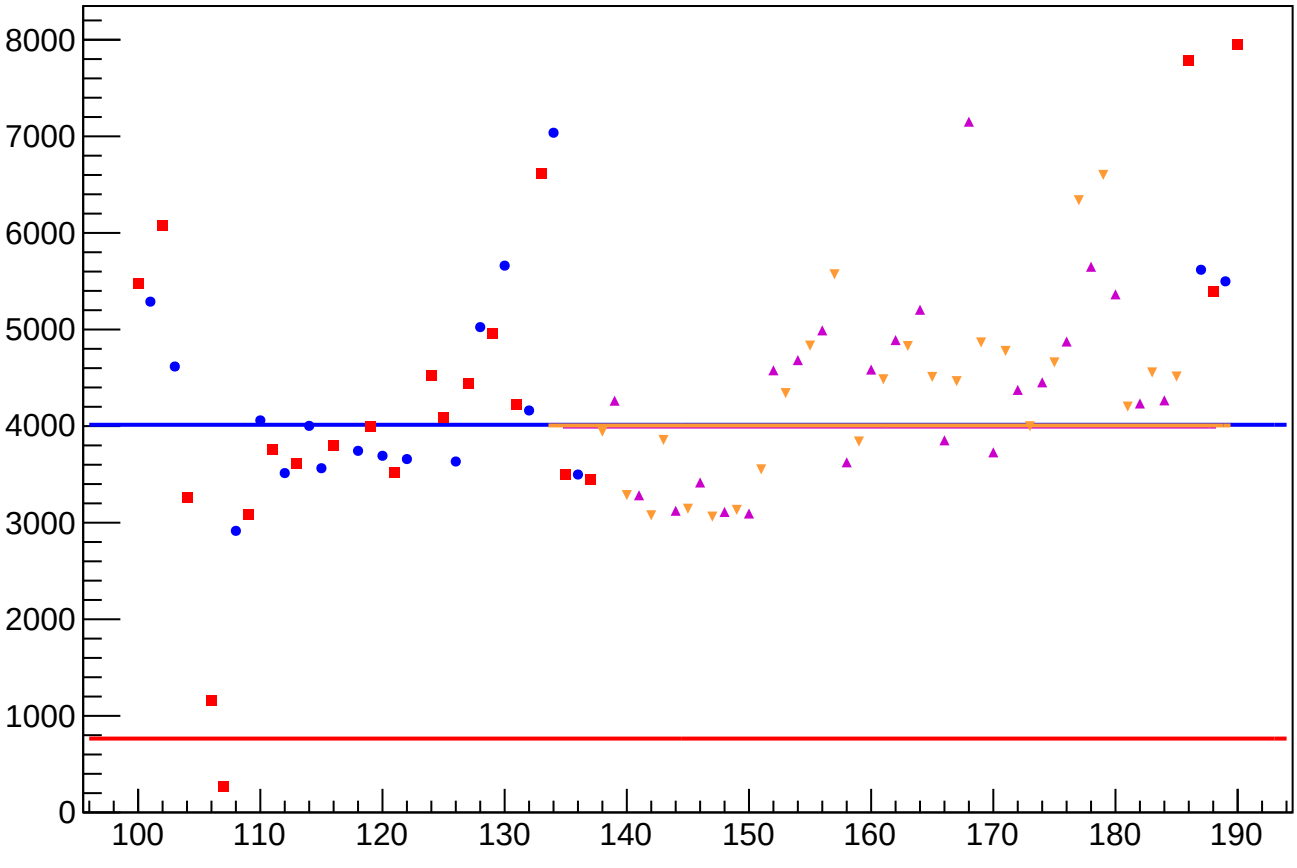
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 256.163+/-475.574 χ^2/NDF: 40.8/39

In: 228.056+/-800.757 χ^2/NDF:29.2/40

Out: 100.855+/-442.864 χ^2/NDF:54.0/46

All: 130.649+/-387.543 χ^2/NDF: 83.2/87



Right In: 4013.660+/-1.036 χ^2/NDF: 671834.1/17

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 764.836+/-0.356 χ^2/NDF: 13252877.3/21

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

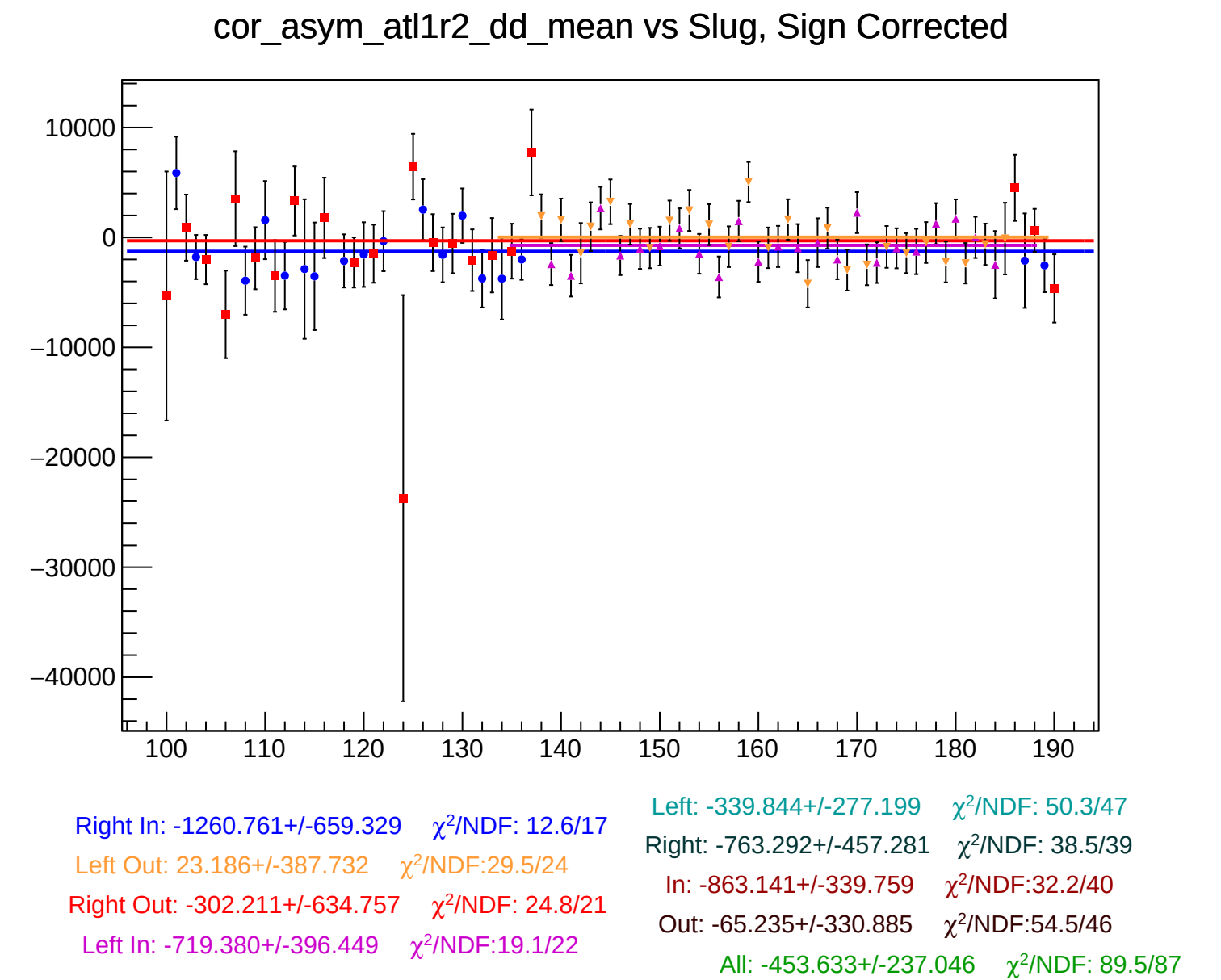
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1107.444+/-0.336 χ^2/NDF: 22729514.8/39

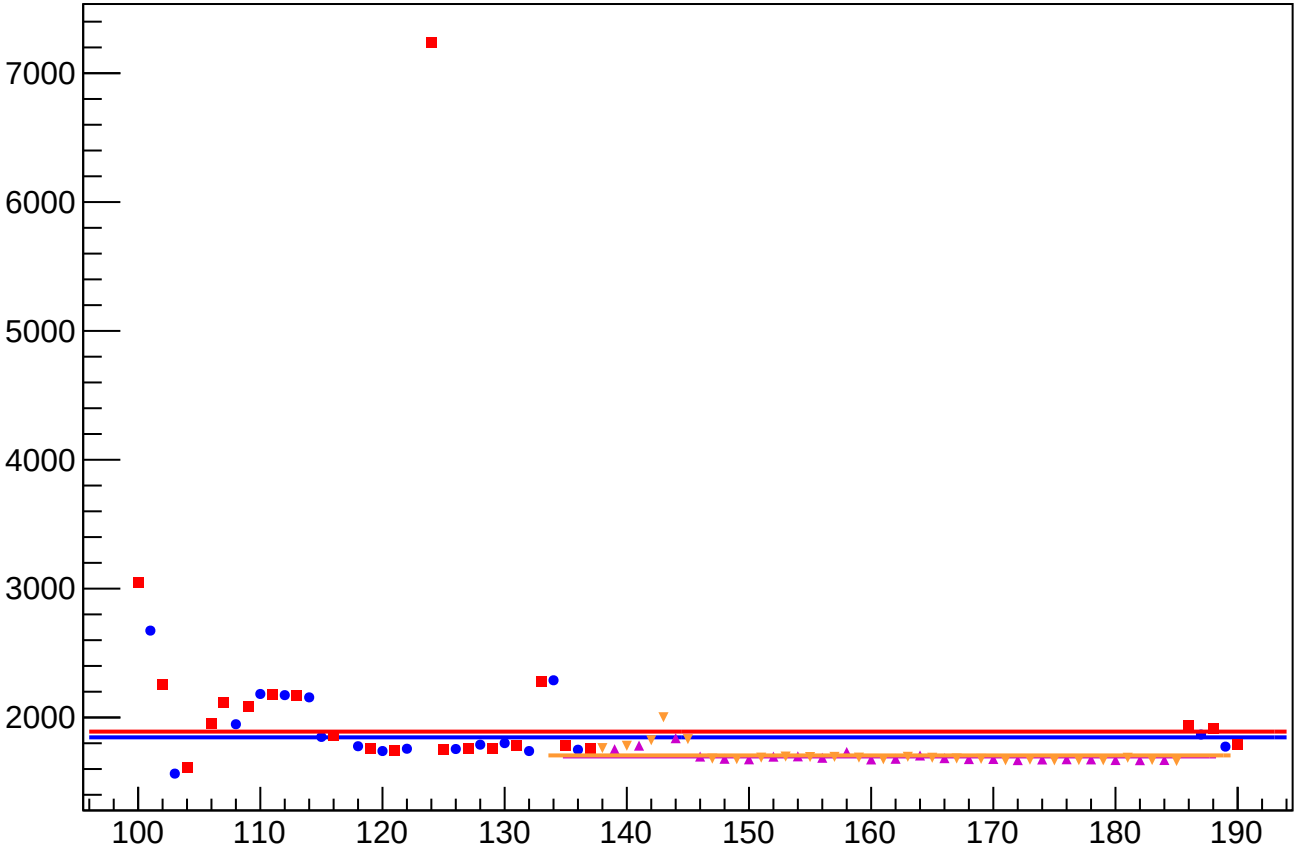
In: 4000.561+/-0.566 χ^2/NDF:2210177.7/40

Out: 1491.980+/-0.313 χ^2/NDF:33405376.8/46

All: 2079.560+/-0.274 χ^2/NDF: 50646424.6/8


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1260.761+/-659.329 χ²/NDF: 12.6/17
Left Out: 23.186+/-387.732 χ²/NDF:29.5/24
Right Out: -302.211+/-634.757 χ²/NDF: 24.8/21
Left In: -719.380+/-396.449 χ²/NDF:19.1/22
Left: -339.844+/-277.199 χ²/NDF: 50.3/47
Right: -763.292+/-457.281 χ²/NDF: 38.5/39
In: -863.141+/-339.759 χ²/NDF:32.2/40
Out: -65.235+/-330.885 χ²/NDF:54.5/46
All: -453.633+/-237.046 χ²/NDF: 89.5/87

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1845.852+/-0.466 χ^2/NDF: 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1890.328+/-0.448 χ^2/NDF: 362094.0/21

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

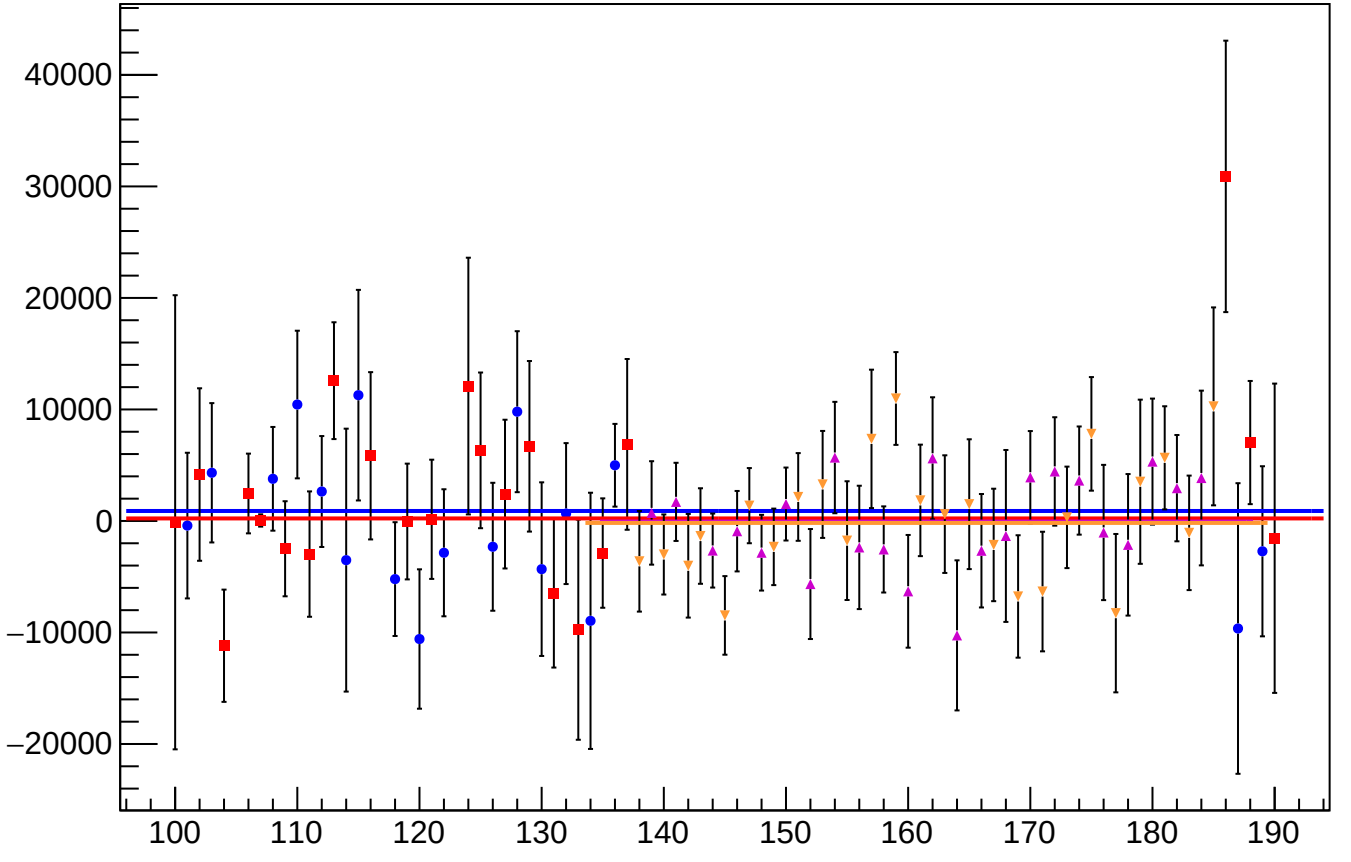
Right: 1868.972+/-0.323 χ^2/NDF: 628720.0/39

In: 1736.905+/-0.240 χ^2/NDF:357395.1/40

Out: 1755.945+/-0.234 χ^2/NDF:545639.9/46

All: 1746.681+/-0.168 χ^2/NDF: 906260.3/87

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 895.130+/-1464.482 χ^2/NDF: 14.6/17

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 226.379+/-509.308 χ^2/NDF: 26.5/21

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

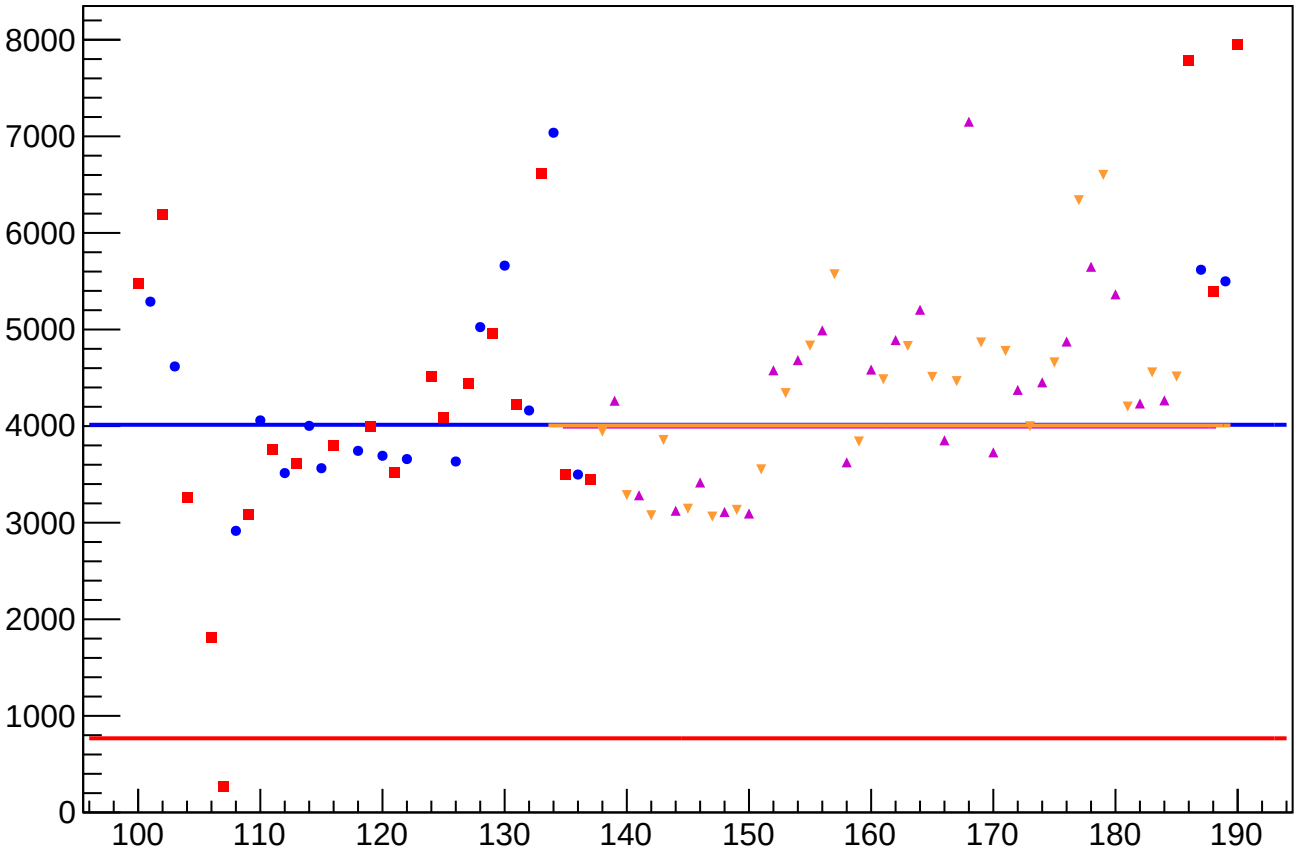
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 298.535+/-481.048 χ^2/NDF: 41.3/39

In: 228.099+/-800.758 χ^2/NDF:29.2/40

Out: 134.384+/-447.274 χ^2/NDF:54.6/46

All: 156.670+/-390.488 χ^2/NDF: 83.8/87



Right In: 4013.670+/-1.036 χ^2/NDF: 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 767.625+/-0.360 χ^2/NDF: 13379524.0/21

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

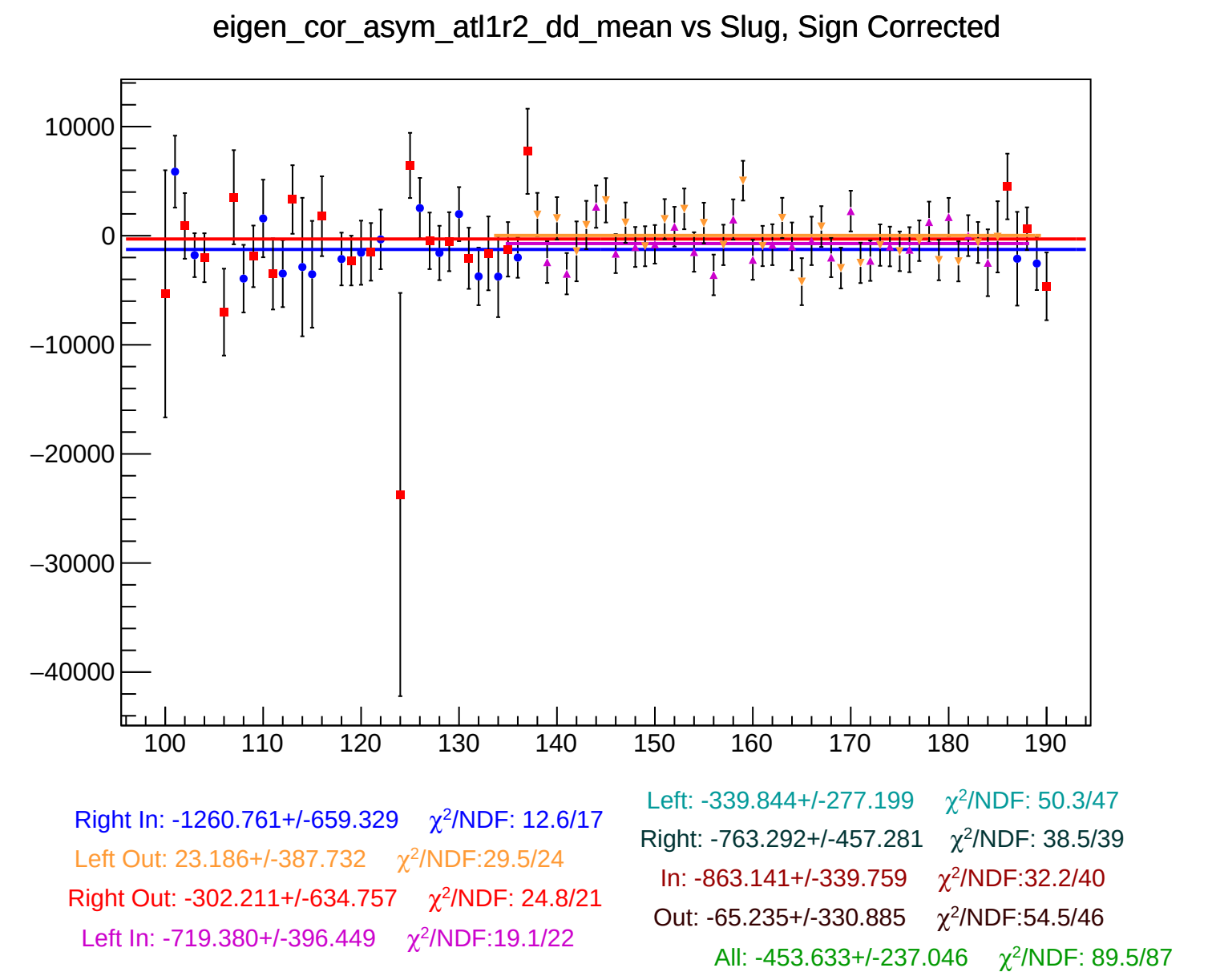
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1117.863+/-0.340 χ^2/NDF: 22817076.3/39

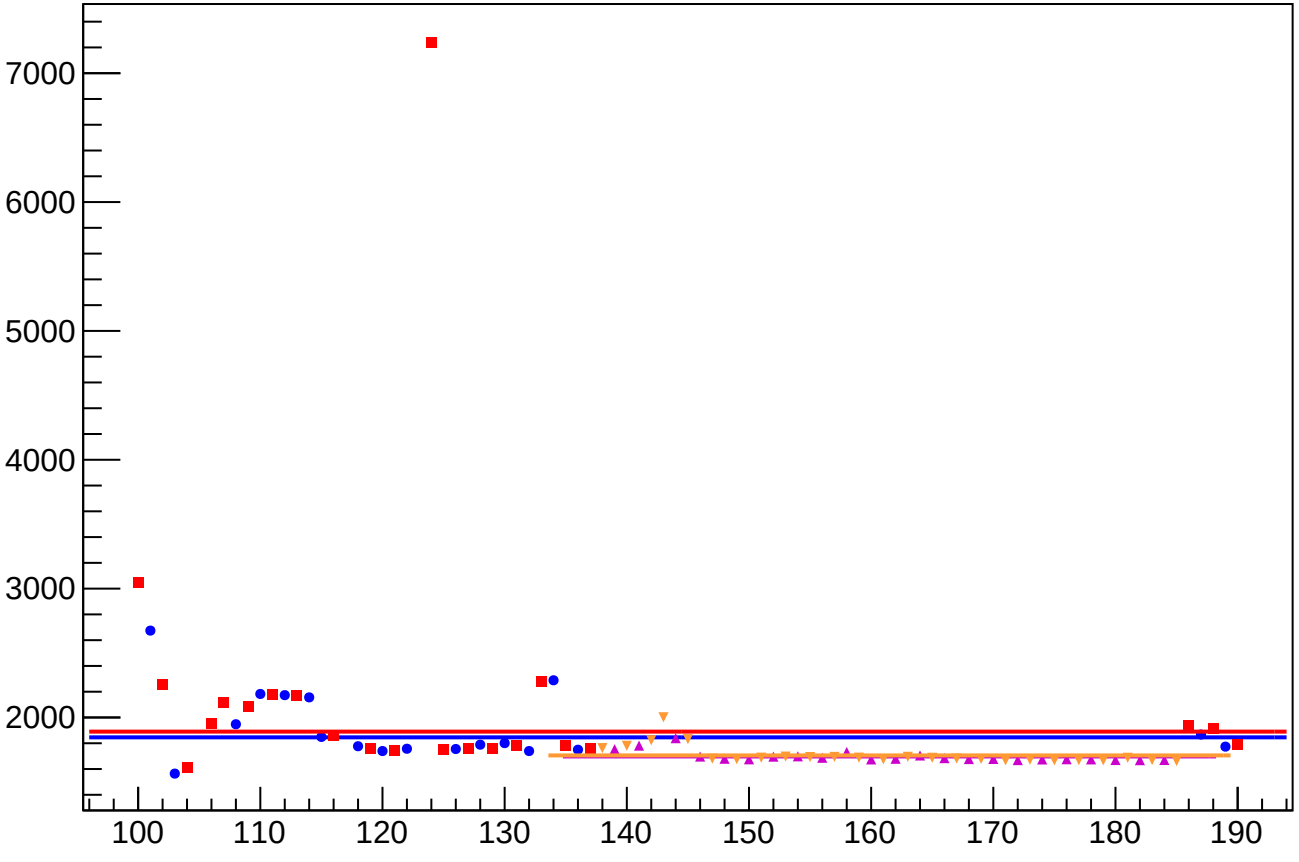
In: 4000.562+/-0.566 χ^2/NDF:2210187.0/40

Out: 1508.685+/-0.316 χ^2/NDF:33392192.8/46

All: 2101.256+/-0.276 χ^2/NDF: 50364529.9/8


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1260.761+/-659.329 χ²/NDF: 12.6/17
Left Out: 23.186+/-387.732 χ²/NDF:29.5/24
Right Out: -302.211+/-634.757 χ²/NDF: 24.8/21
Left In: -719.380+/-396.449 χ²/NDF:19.1/22
Left: -339.844+/-277.199 χ²/NDF: 50.3/47
Right: -763.292+/-457.281 χ²/NDF: 38.5/39
In: -863.141+/-339.759 χ²/NDF:32.2/40
Out: -65.235+/-330.885 χ²/NDF:54.5/46
All: -453.633+/-237.046 χ²/NDF: 89.5/87

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1845.852+/-0.466 χ^2/NDF: 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1890.328+/-0.448 χ^2/NDF: 362094.0/21

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

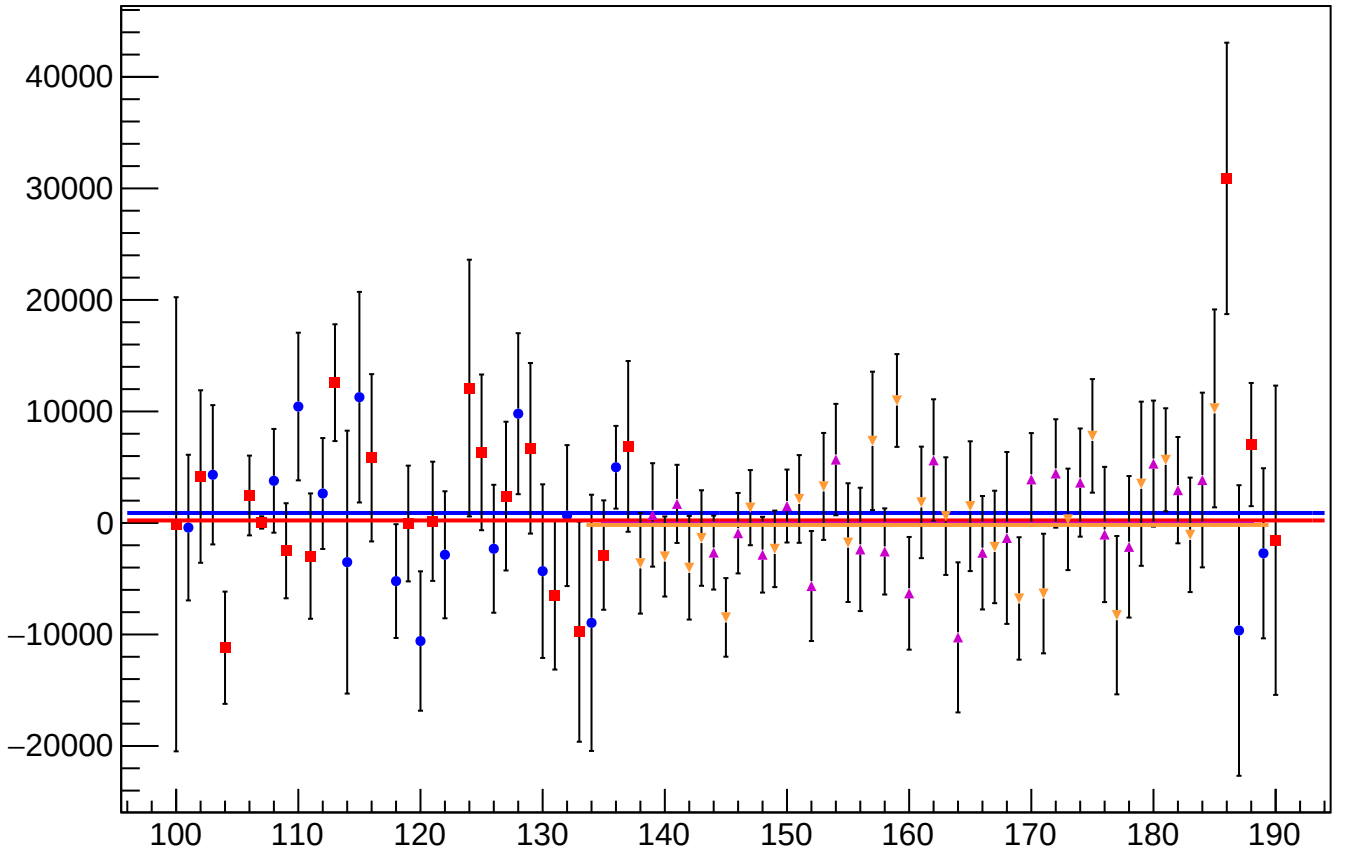
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1868.972+/-0.323 χ^2/NDF: 628720.0/39

In: 1736.905+/-0.240 χ^2/NDF:357395.1/40

Out: 1755.945+/-0.234 χ^2/NDF:545639.9/46

All: 1746.681+/-0.168 χ^2/NDF: 906260.3/87



Right In: 895.130+/-1464.482 χ^2/NDF: 14.6/17

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 226.379+/-509.308 χ^2/NDF: 26.5/21

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

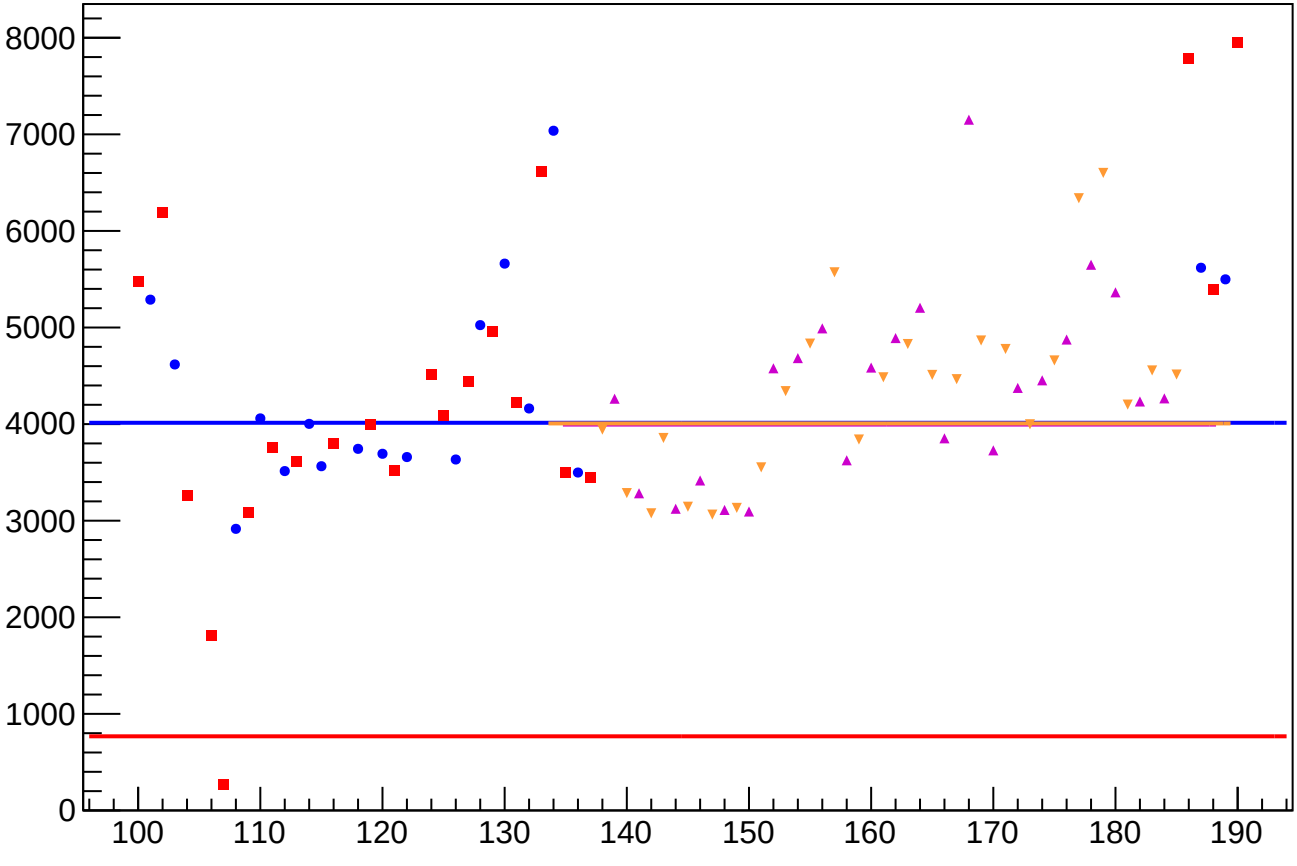
Right: 298.535+/-481.048 χ^2/NDF: 41.3/39

In: 228.099+/-800.758 χ^2/NDF:29.2/40

Out: 134.384+/-447.274 χ^2/NDF:54.6/46

All: 156.670+/-390.488 χ^2/NDF: 83.8/87

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4013.670+/-1.036 χ^2/NDF: 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 767.625+/-0.360 χ^2/NDF: 13379524.0/21

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

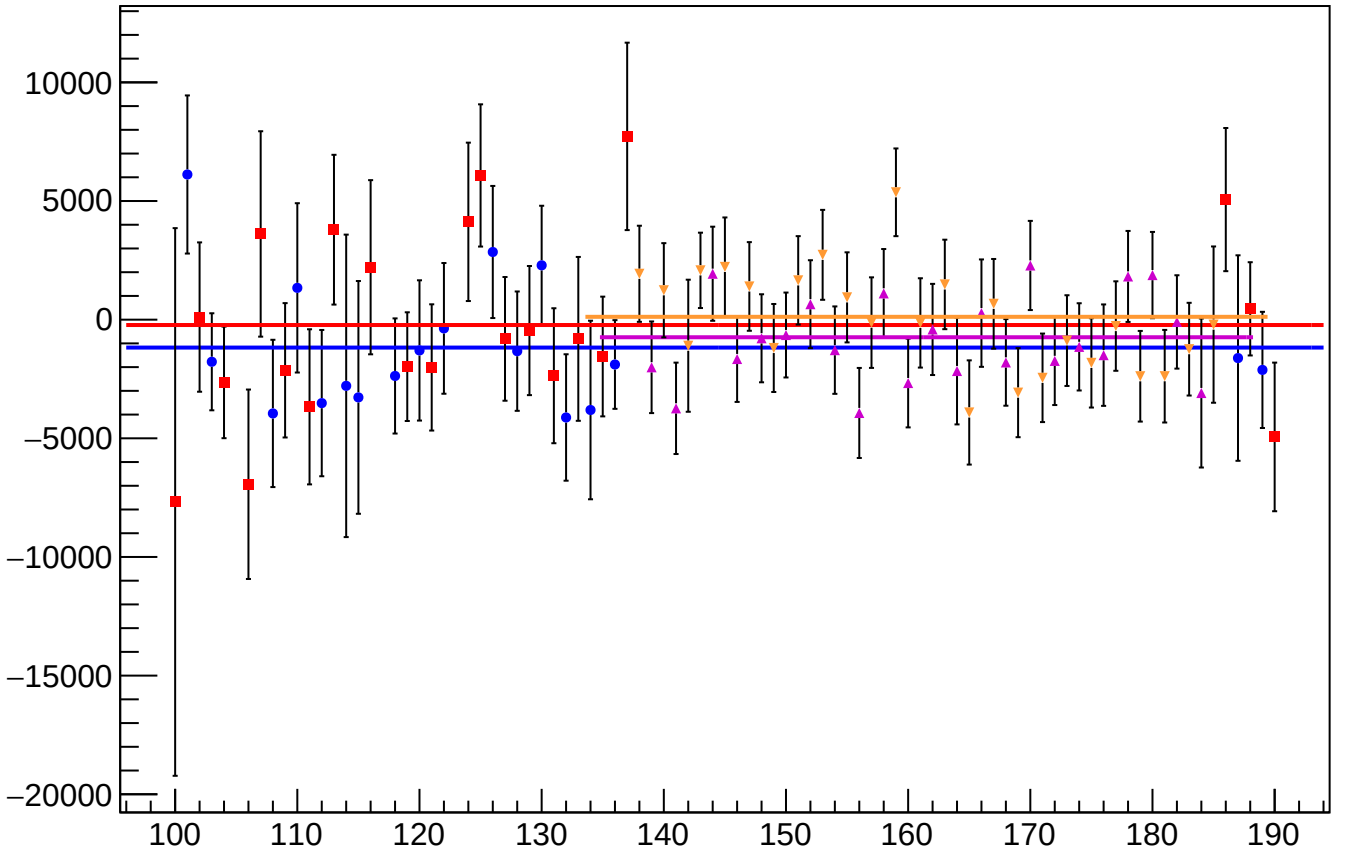
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1117.863+/-0.340 χ^2/NDF: 22817076.3/39

In: 4000.562+/-0.566 χ^2/NDF:2210187.0/40

Out: 1508.685+/-0.316 χ^2/NDF:33392192.8/46

All: 2101.256+/-0.276 χ^2/NDF: 50364529.9/8



Right In: -1176.160+/-664.677 χ^2/NDF: 13.4/17

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -225.781+/-630.729 χ^2/NDF: 26.3/21

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

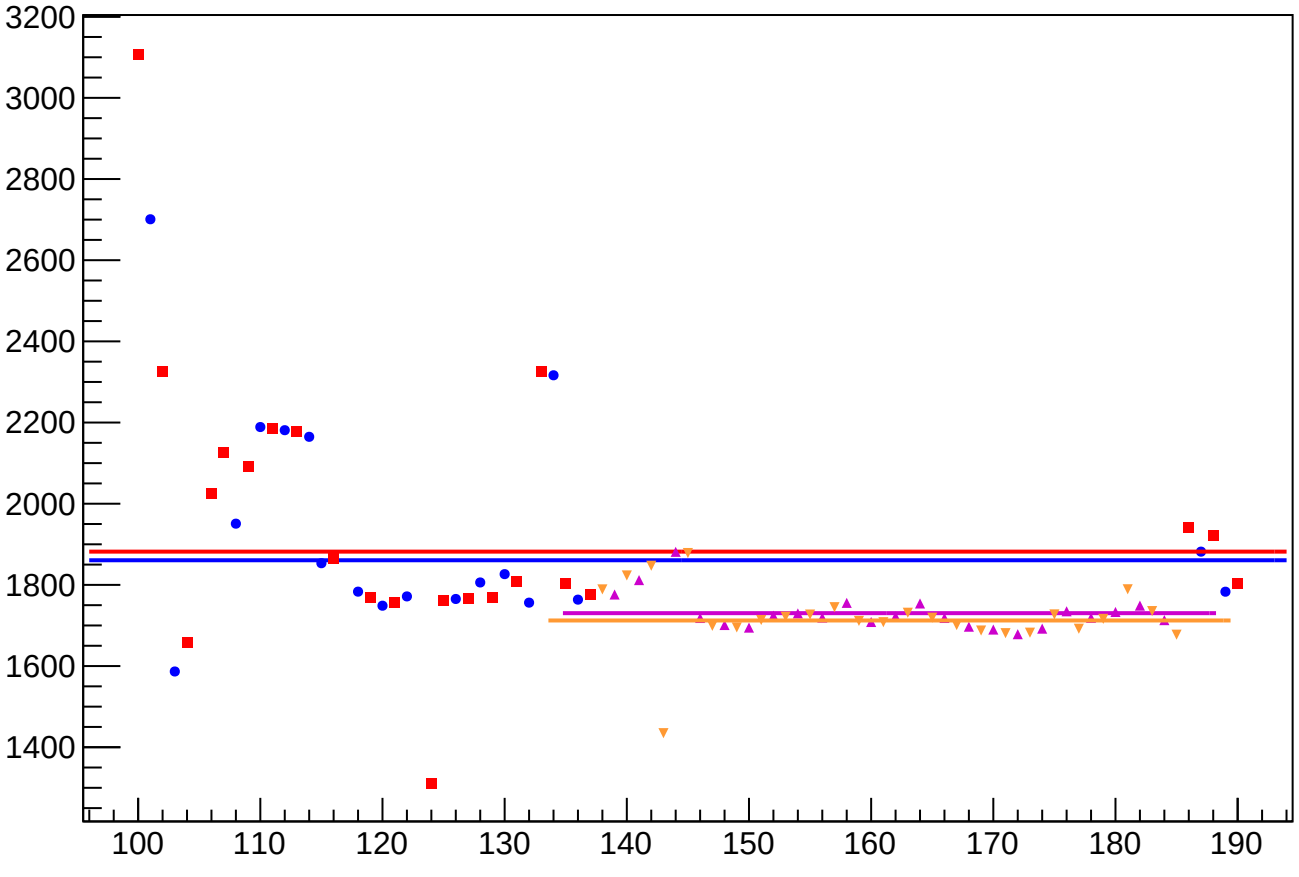
Right: -676.081+/-457.524 χ^2/NDF: 40.8/39

In: -858.602+/-345.332 χ^2/NDF:32.7/40

Out: 24.524+/-331.376 χ^2/NDF:56.2/46

All: -398.834+/-239.100 χ^2/NDF: 92.3/87

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1860.682+/-0.470 χ^2/NDF: 258450.4/17

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1881.955+/-0.446 χ^2/NDF: 254819.5/21

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

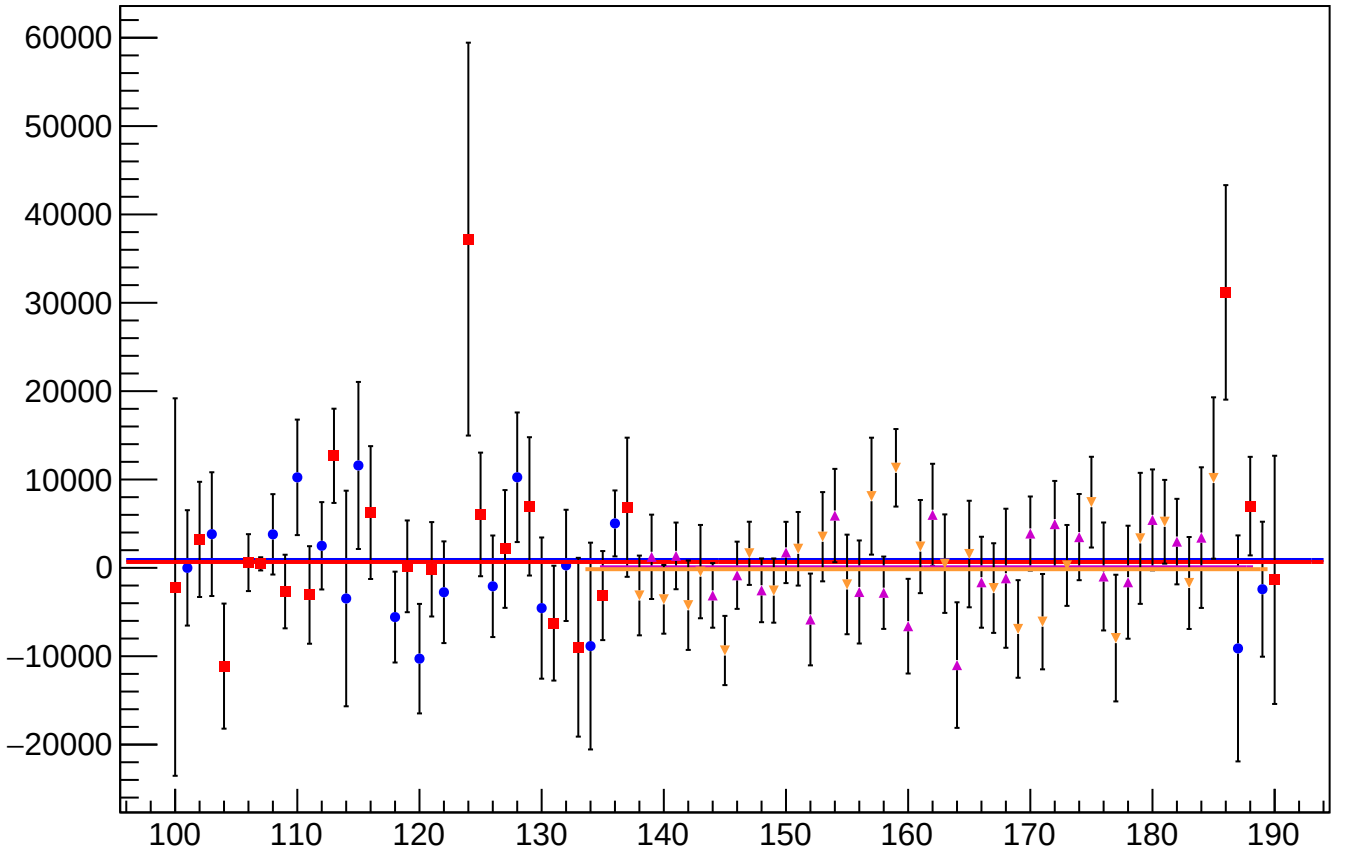
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1871.882+/-0.323 χ^2/NDF: 514348.5/39

In: 1765.524+/-0.244 χ^2/NDF:337673.5/40

Out: 1759.182+/-0.234 χ^2/NDF:454068.8/46

All: 1762.222+/-0.169 χ^2/NDF: 792093.5/87



Right In: 891.607+/-1473.560 χ^2/NDF: 14.5/17

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 666.349+/-652.317 χ^2/NDF: 24.6/21

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

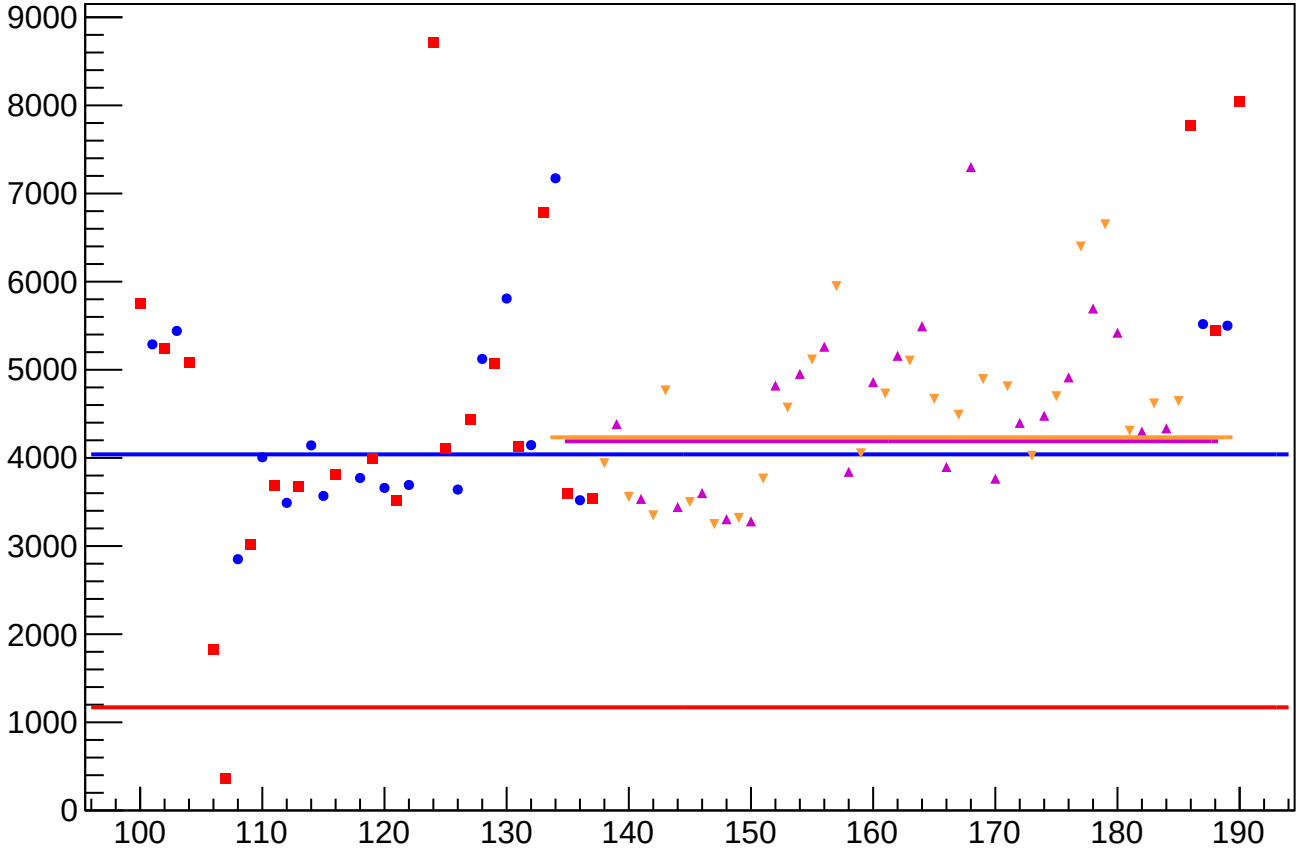
Right: 703.259+/-596.485 χ^2/NDF: 39.1/39

In: 325.799+/-827.514 χ^2/NDF:28.7/40

Out: 417.413+/-543.864 χ^2/NDF:52.0/46

All: 389.778+/-454.493 χ^2/NDF: 80.7/87

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4040.249+/-1.042 χ^2/NDF: 773423.0/17

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1170.057+/-0.461 χ^2/NDF: 11843437.6/21

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

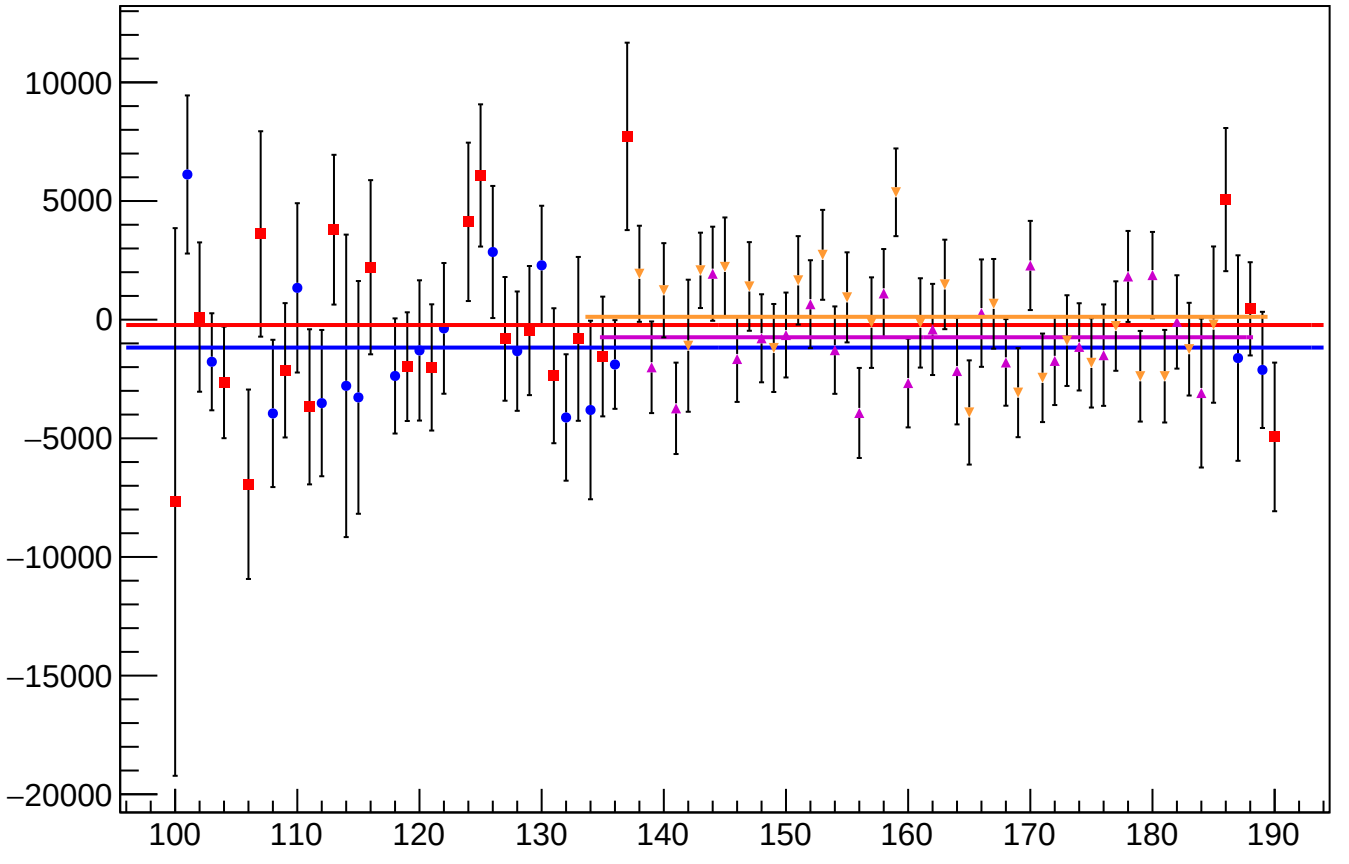
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1640.356+/-0.422 χ^2/NDF: 18961355.2/39

In: 4142.003+/-0.585 χ^2/NDF:2131954.6/40

Out: 2104.148+/-0.385 χ^2/NDF:26579662.4/46

All: 2718.866+/-0.321 χ^2/NDF: 37181917.2/8



Right In: -1176.164+/-664.677 χ^2/NDF: 13.4/17

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -225.786+/-630.729 χ^2/NDF: 26.3/21

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

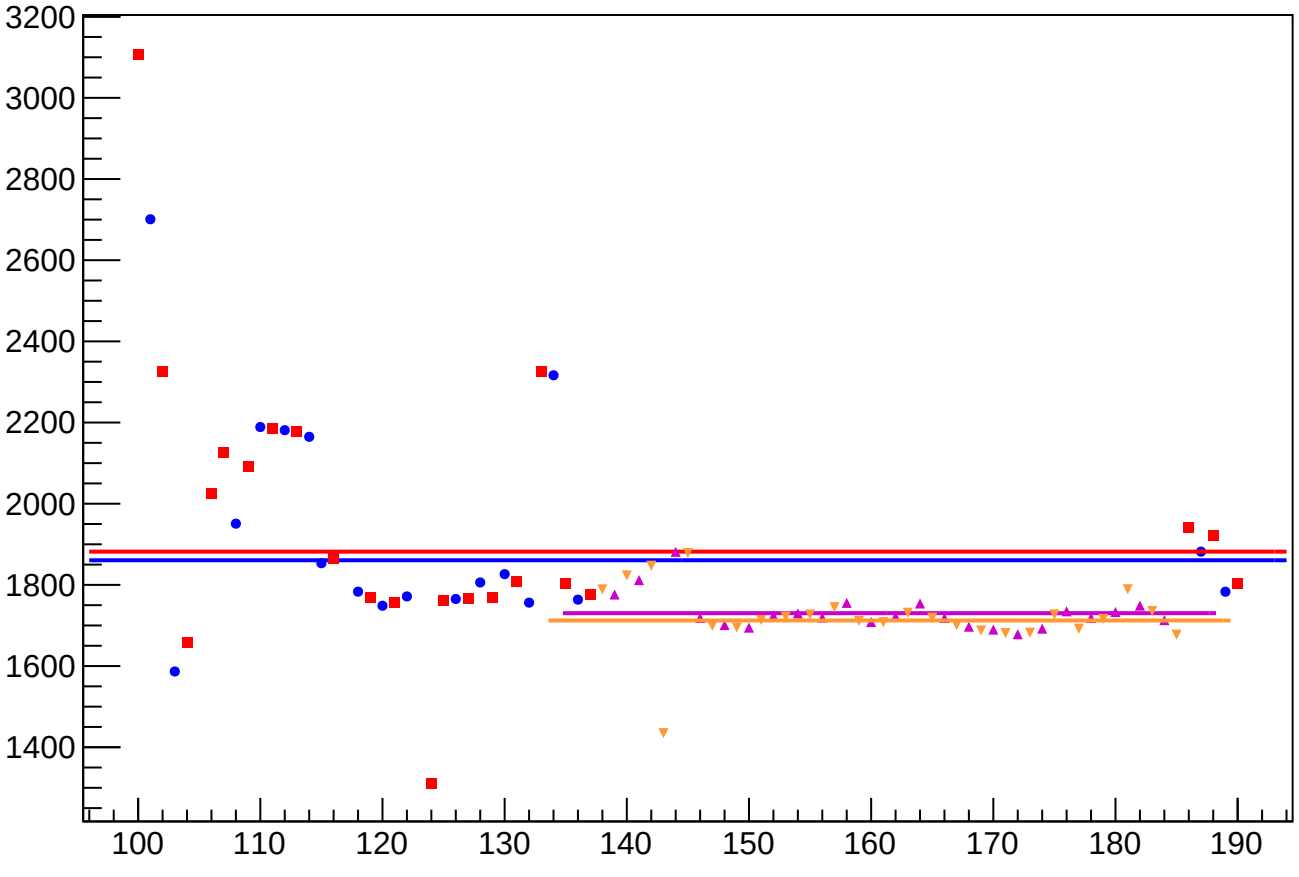
Right: -676.086+/-457.524 χ^2/NDF: 40.8/39

In: -858.602+/-345.332 χ^2/NDF:32.7/40

Out: 24.525+/-331.376 χ^2/NDF:56.2/46

All: -398.834+/-239.100 χ^2/NDF: 92.3/87

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1860.682+/-0.470 χ^2/NDF: 258450.3/17

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1881.955+/-0.446 χ^2/NDF: 254819.9/21

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

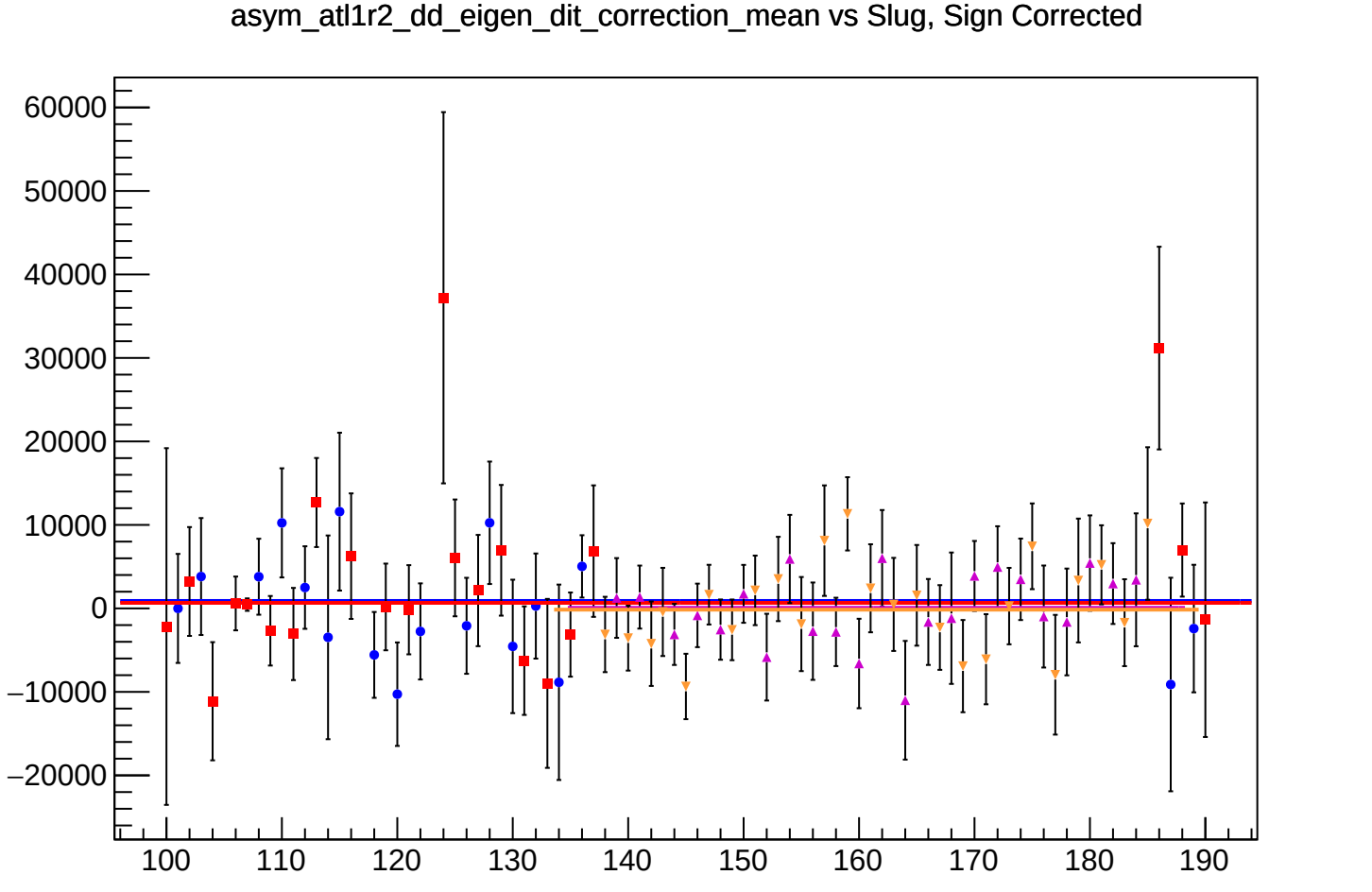
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

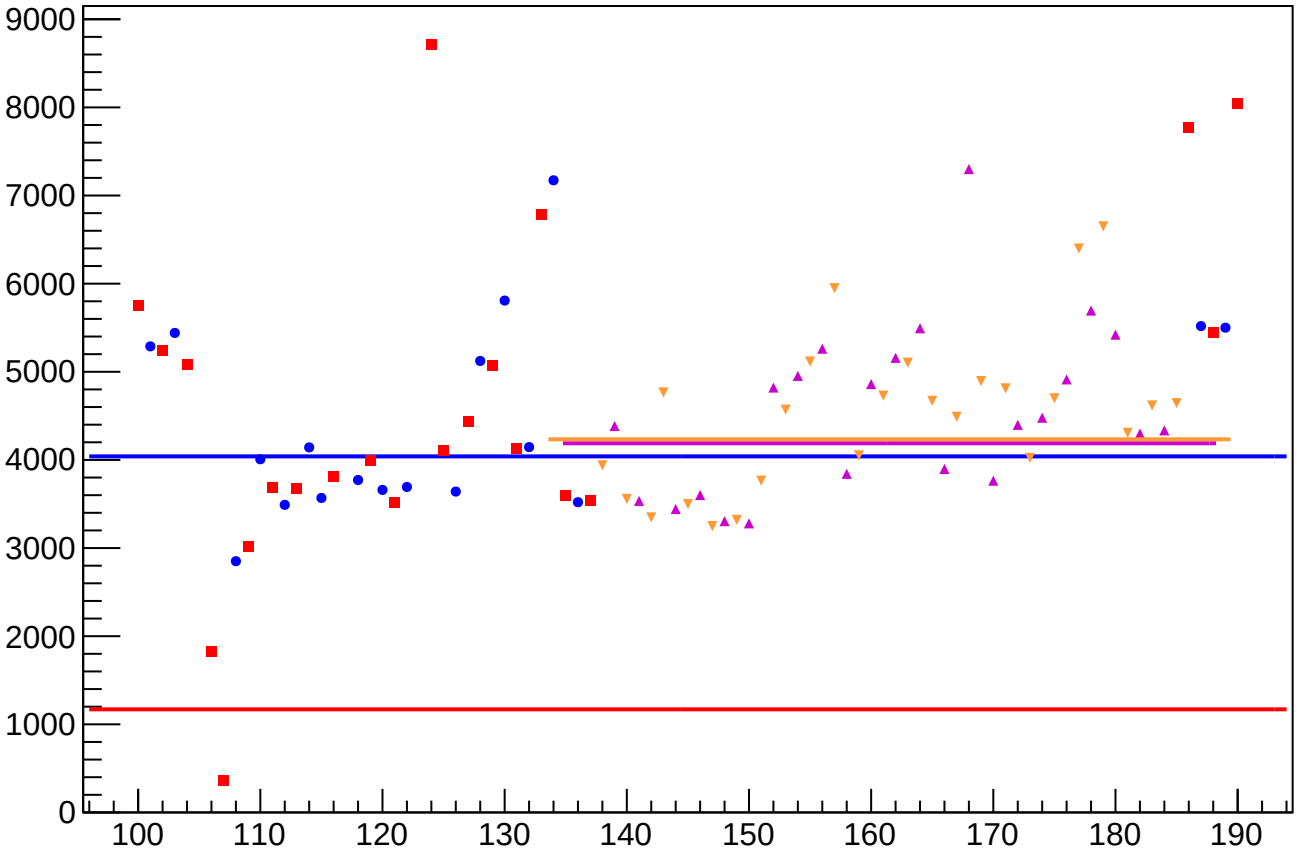
Right: 1871.882+/-0.323 χ^2/NDF: 514348.9/39

In: 1765.525+/-0.244 χ^2/NDF:337672.7/40

Out: 1759.183+/-0.234 χ^2/NDF:454067.4/46

All: 1762.223+/-0.169 χ^2/NDF: 792091.3/87


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 891.589+/-1473.558 χ²/NDF: 14.5/17
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 666.362+/-652.328 χ²/NDF: 24.6/21
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 703.268+/-596.493 χ²/NDF: 39.1/39
In: 325.796+/-827.515 χ²/NDF:28.7/40
Out: 417.417+/-543.870 χ²/NDF:52.0/46
All: 389.779+/-454.496 χ²/NDF: 80.7/87



Right In: 4040.243+/-1.042 χ^2/NDF: 773421.7/17

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1170.090+/-0.461 χ^2/NDF: 11843280.6/21

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

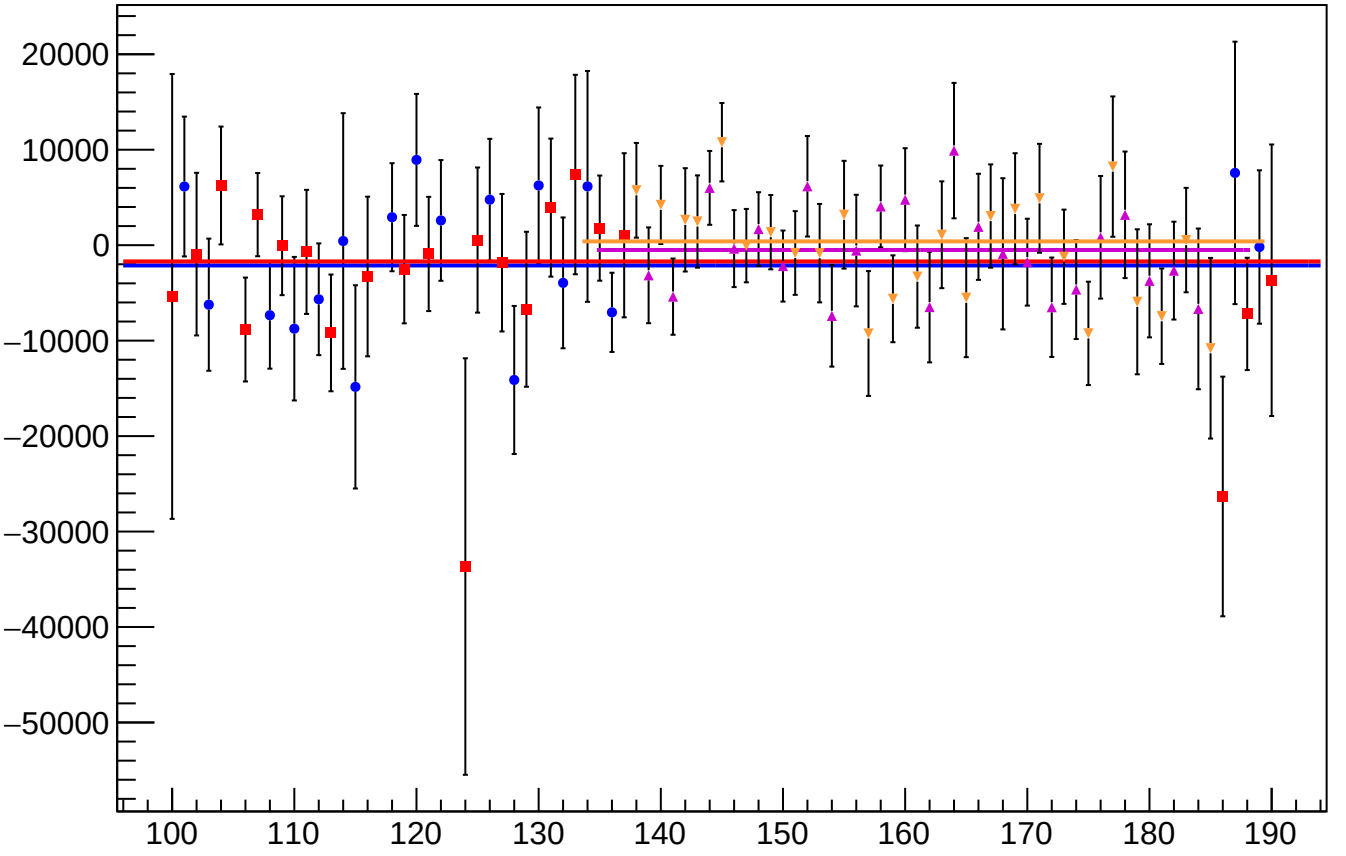
Right: 1640.396+/-0.422 χ^2/NDF: 18961006.6/39

In: 4142.005+/-0.585 χ^2/NDF:2131960.4/40

Out: 2104.192+/-0.385 χ^2/NDF:26579108.9/46

All: 2718.907+/-0.321 χ^2/NDF: 37180955.3/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2124.260+/-1637.199 χ^2/NDF: 16.1/17

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1702.483+/-1477.473 χ^2/NDF: 15.6/21

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

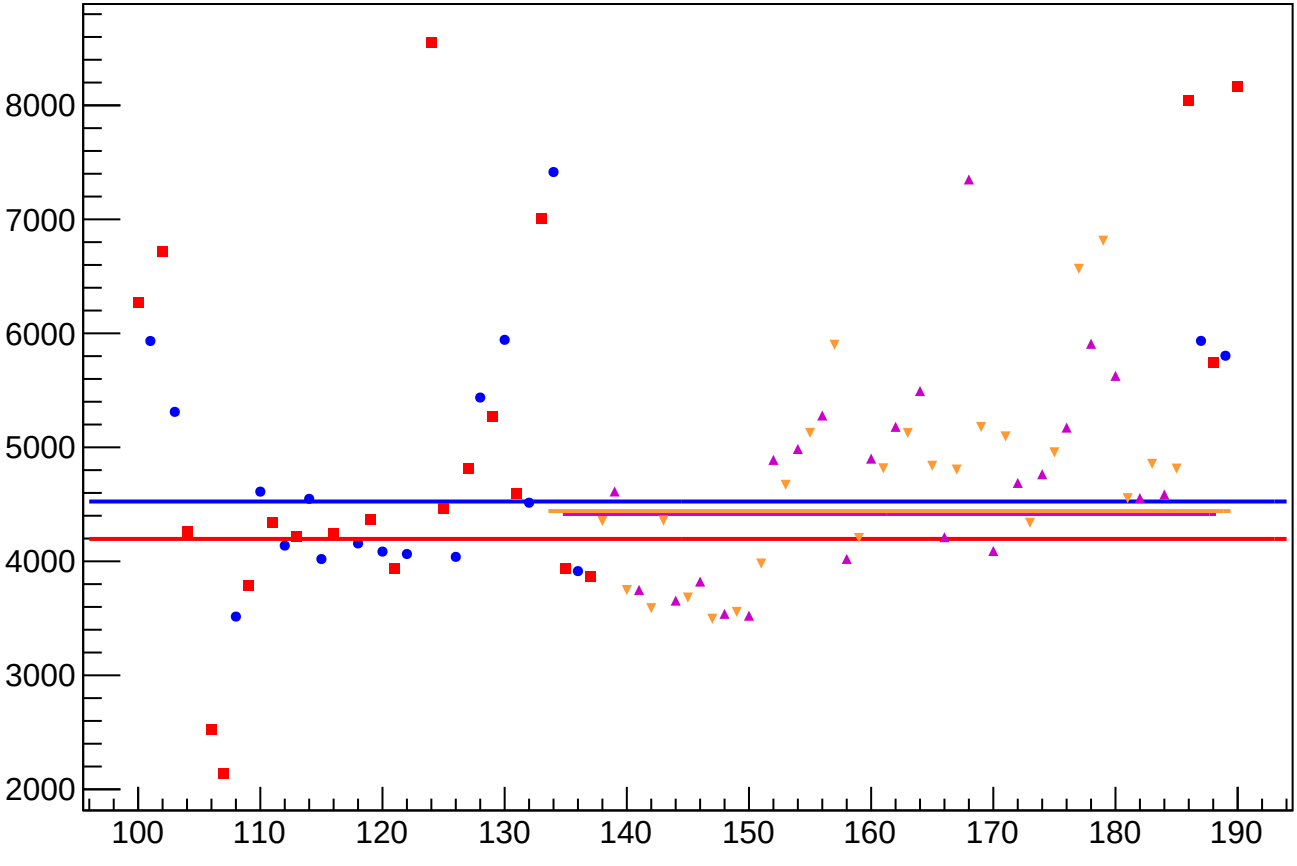
Right: -1891.799+/-1096.865 χ^2/NDF: 31.8/39

In: -975.299+/-883.657 χ^2/NDF:34.2/40

Out: -287.332+/-844.077 χ^2/NDF:41.7/46

All: -615.563+/-610.366 χ^2/NDF: 76.2/87

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4524.799+/-1.158 χ^2/NDF: 534130.8/17

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4196.500+/-1.035 χ^2/NDF: 1662665.0/21

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

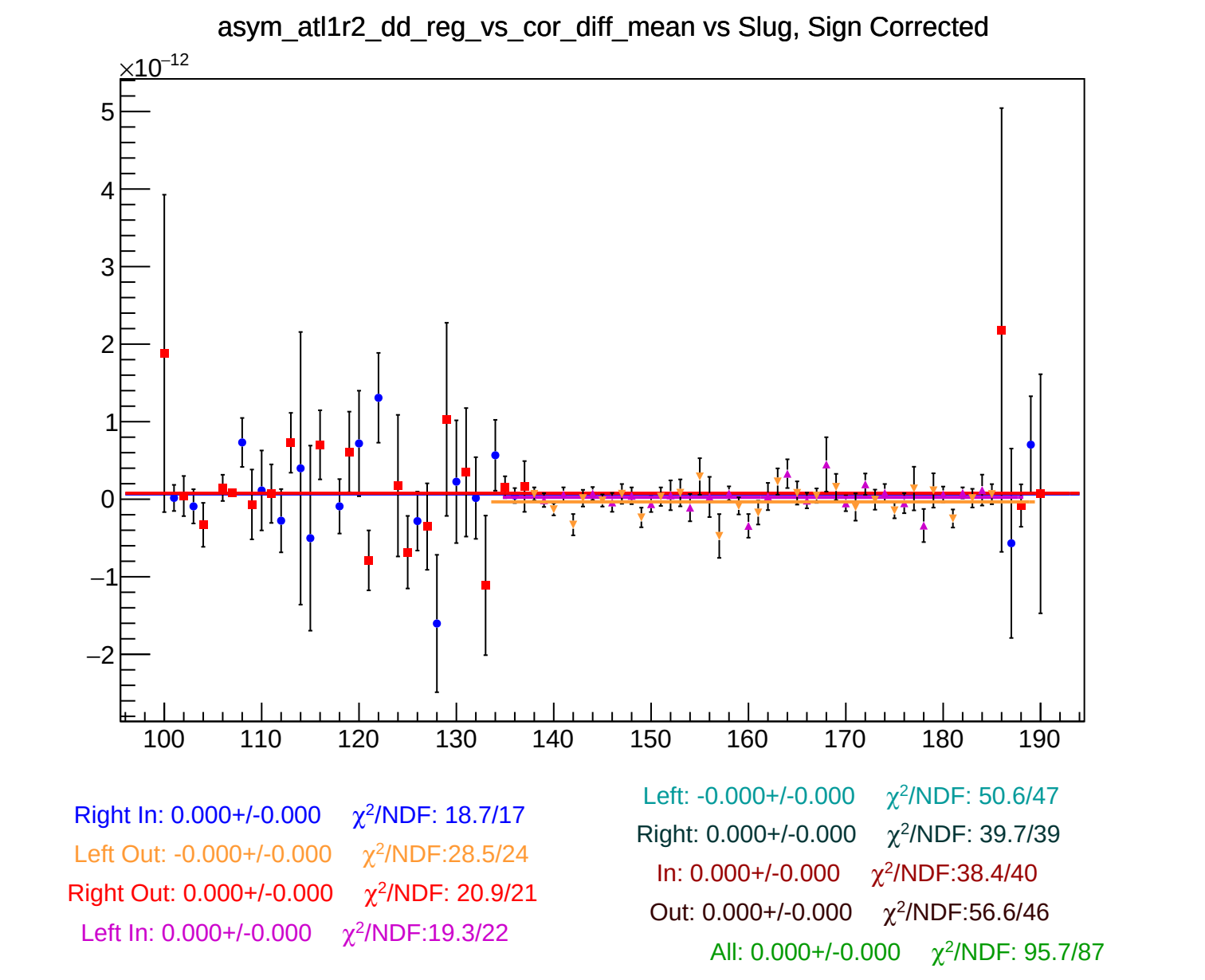
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

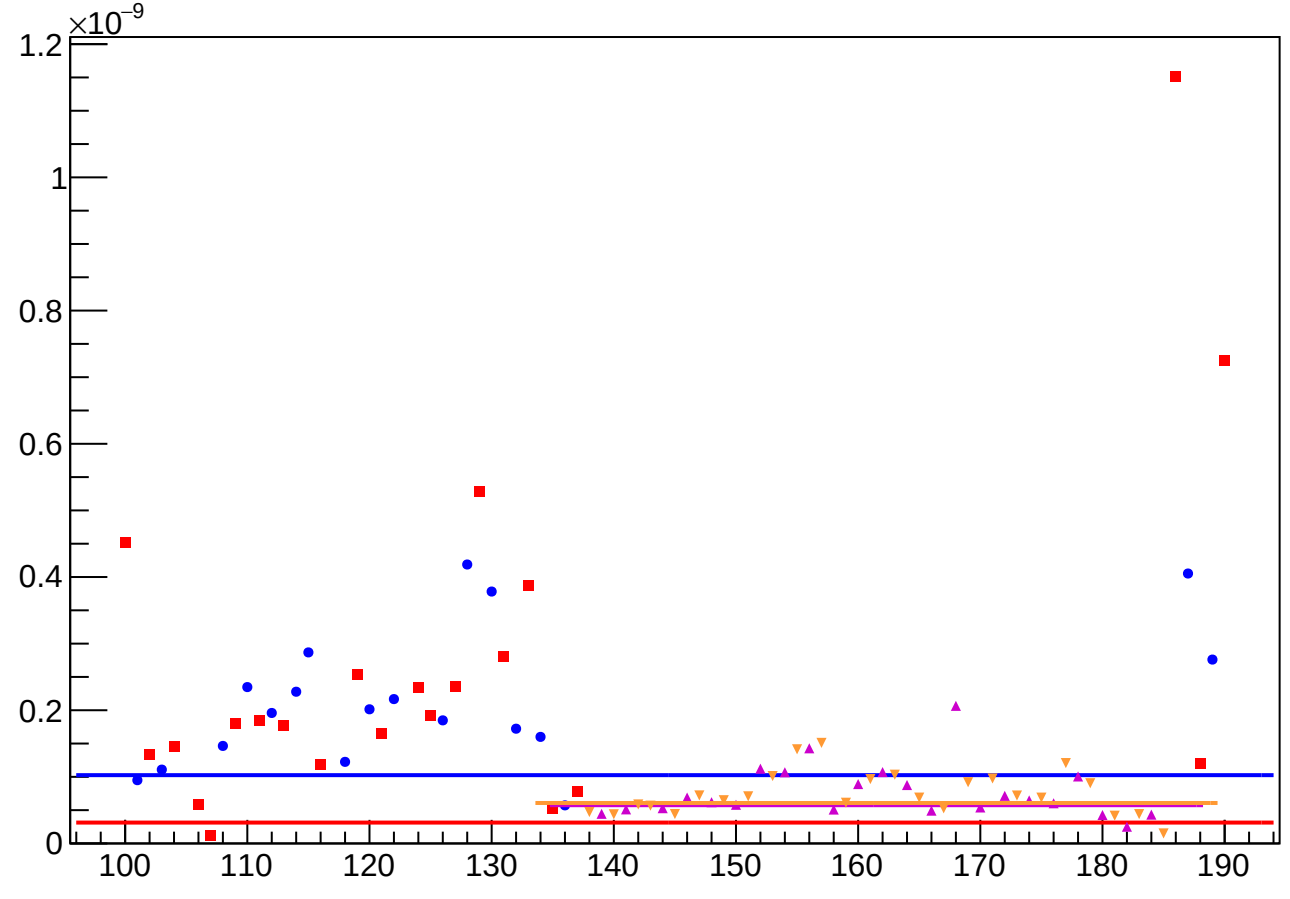
Right: 4342.381+/-0.772 χ^2/NDF: 2241480.8/39

In: 4447.246+/-0.625 χ^2/NDF:1651874.4/40

Out: 4360.091+/-0.595 χ^2/NDF:2773074.2/46

All: 4401.543+/-0.431 χ^2/NDF: 4435150.8/87


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.7/17
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/21
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 39.7/39
In: 0.000+/-0.000 χ²/NDF:38.4/40
Out: 0.000+/-0.000 χ²/NDF:56.6/46
All: 0.000+/-0.000 χ²/NDF: 95.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 1844089.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5291313.4/21

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

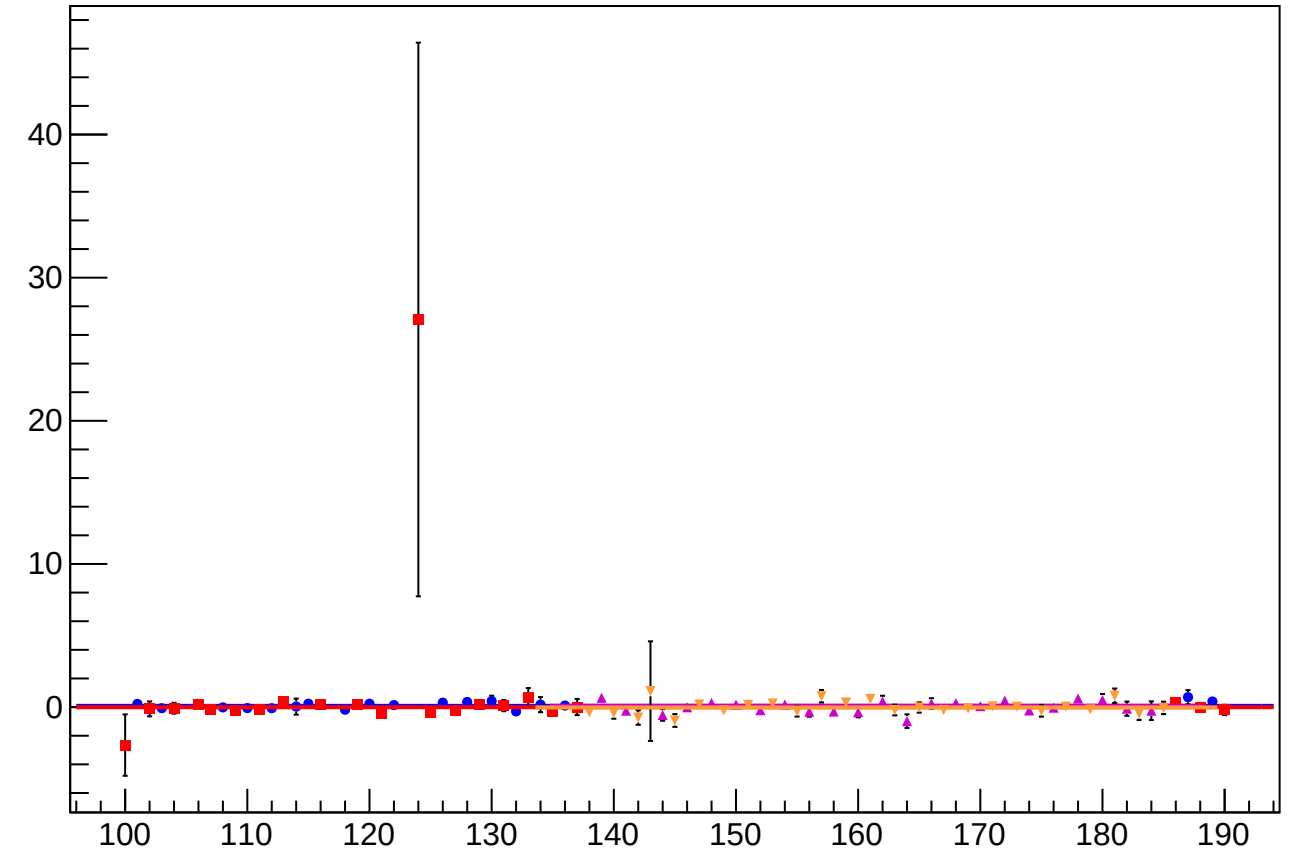
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8927022.1/39

In: 0.000+/-0.000 χ^2/NDF:4509366.6/40

Out: 0.000+/-0.000 χ^2/NDF:8034301.4/46

All: 0.000+/-0.000 χ^2/NDF: 12880503.6/87



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.053 χ^2/NDF: 24.4/21

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

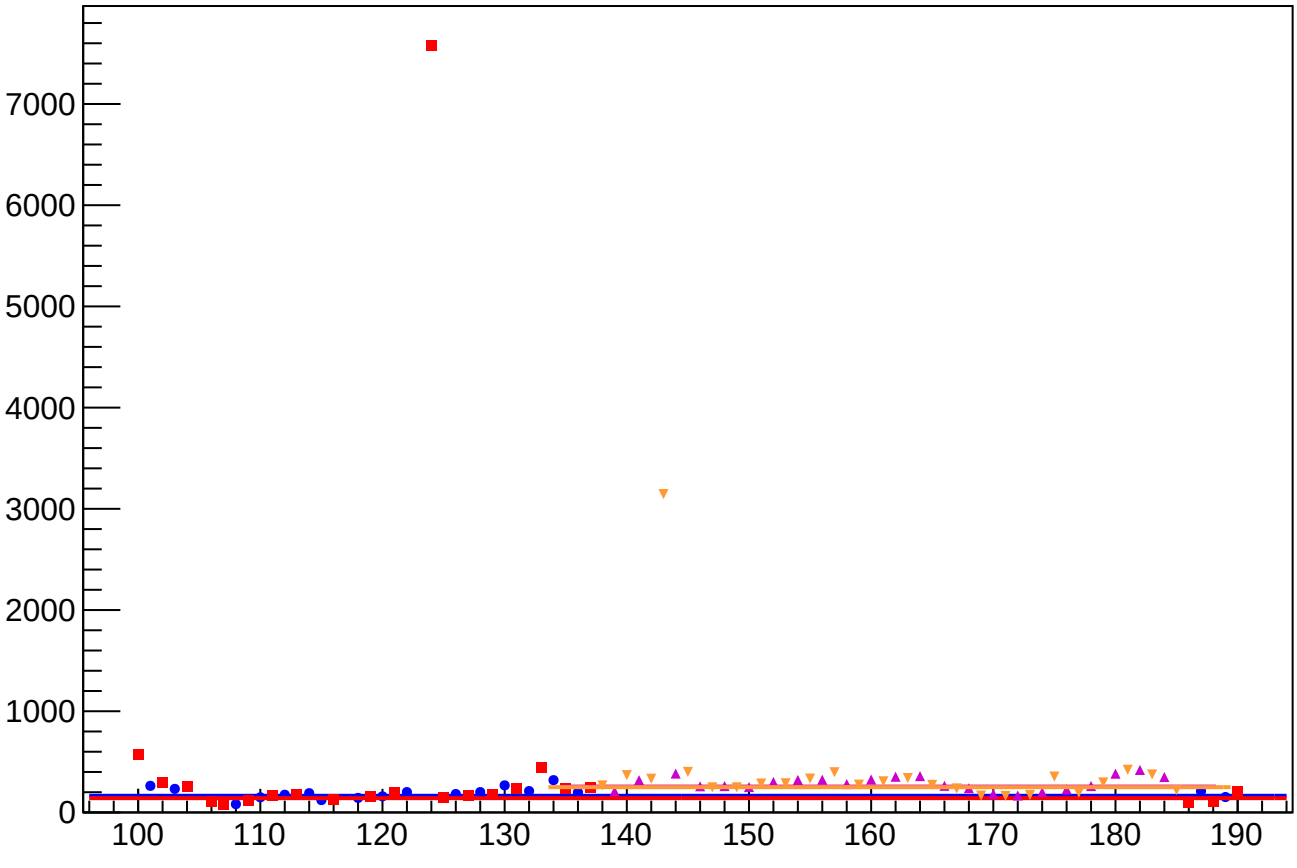
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.031+/-0.041 χ^2/NDF: 37.2/39

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.016+/-0.040 χ^2/NDF:47.9/46

All: 0.032+/-0.030 χ^2/NDF: 94.1/87



Right In: 164.554+/-0.045 χ^2/NDF: 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 141.220+/-0.038 χ^2/NDF: 2323342.4/21

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

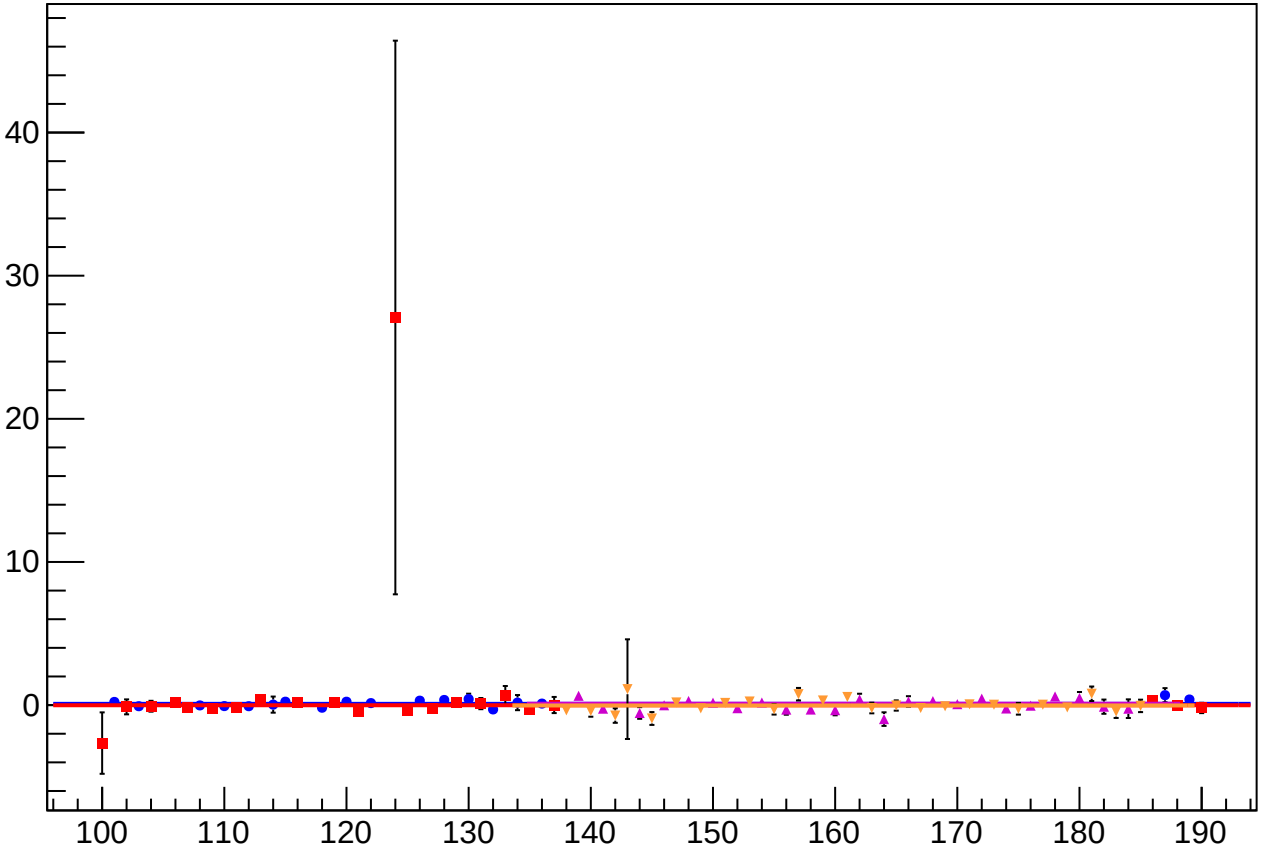
Right: 150.915+/-0.029 χ^2/NDF: 3982158.8/39

In: 209.905+/-0.031 χ^2/NDF:5685541.8/40

Out: 187.505+/-0.028 χ^2/NDF:10125090.5/46

All: 197.568+/-0.021 χ^2/NDF: 16089263.6/87

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.053 χ^2/NDF: 24.4/21

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

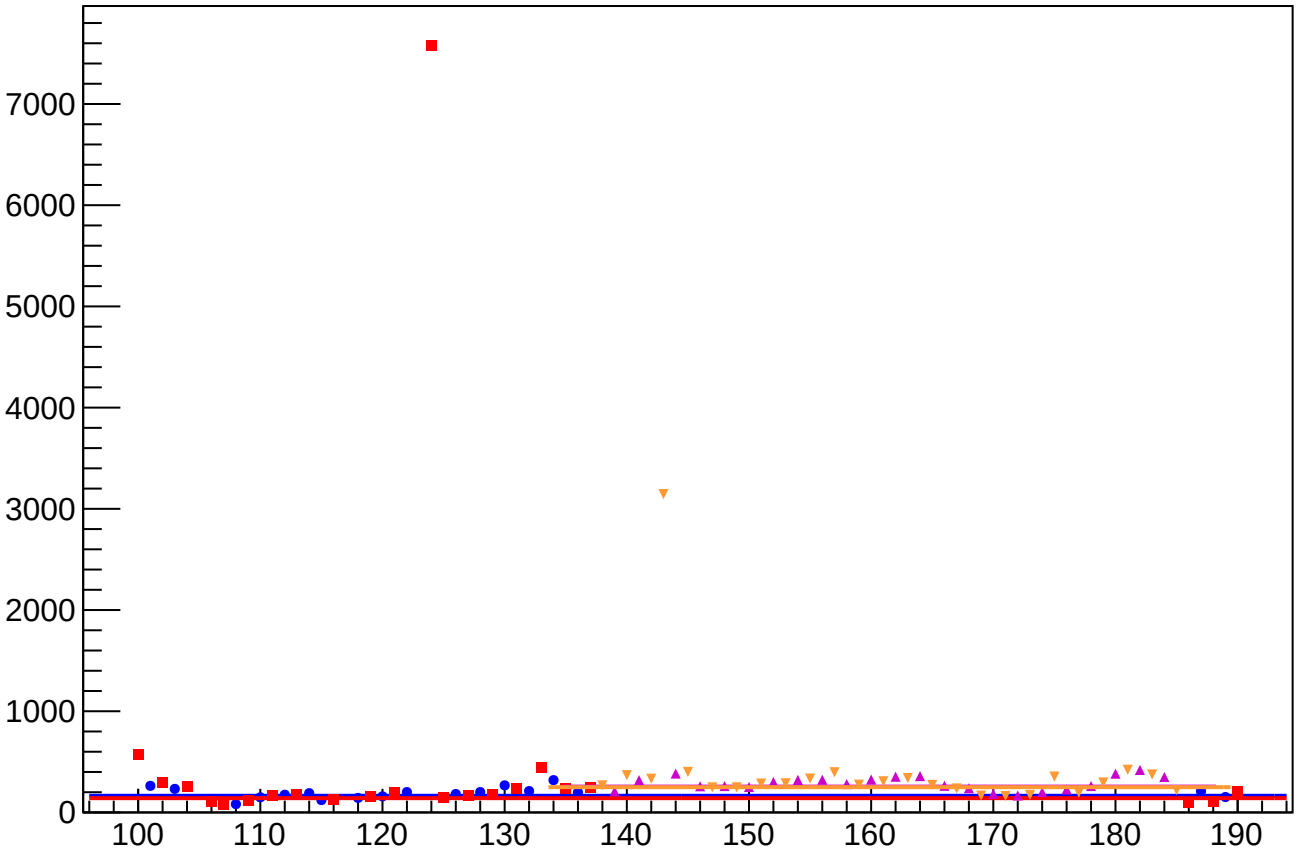
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.031+/-0.041 χ^2/NDF: 37.2/39

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.016+/-0.040 χ^2/NDF:47.9/46

All: 0.032+/-0.030 χ^2/NDF: 94.1/87



Right In: 164.554+/-0.045 χ^2/NDF: 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 141.220+/-0.038 χ^2/NDF: 2323342.4/21

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

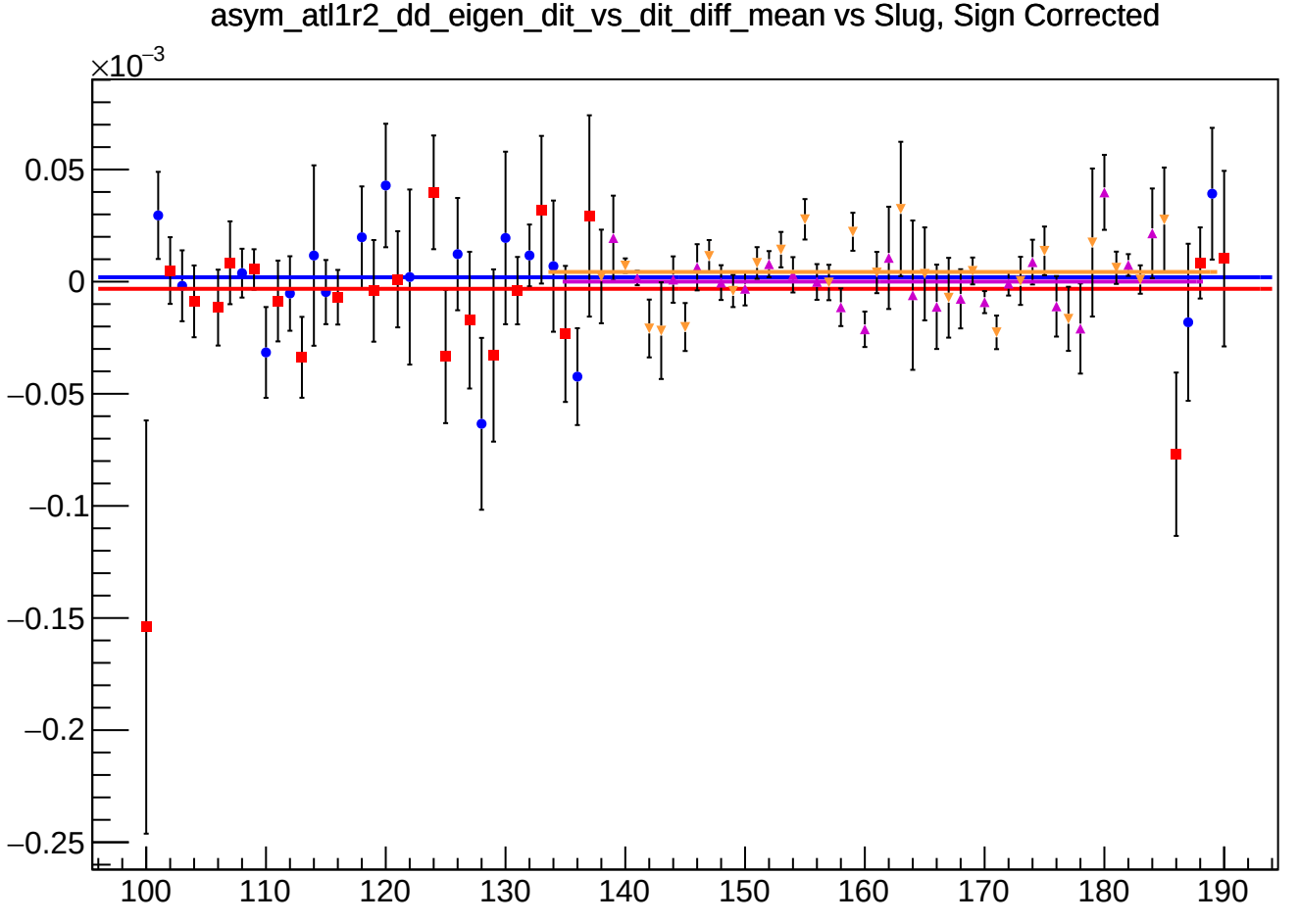
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 150.915+/-0.029 χ^2/NDF: 3982158.8/39

In: 209.905+/-0.031 χ^2/NDF:5685541.8/40

Out: 187.505+/-0.028 χ^2/NDF:10125090.5/46

All: 197.568+/-0.021 χ^2/NDF: 16089263.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/21

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

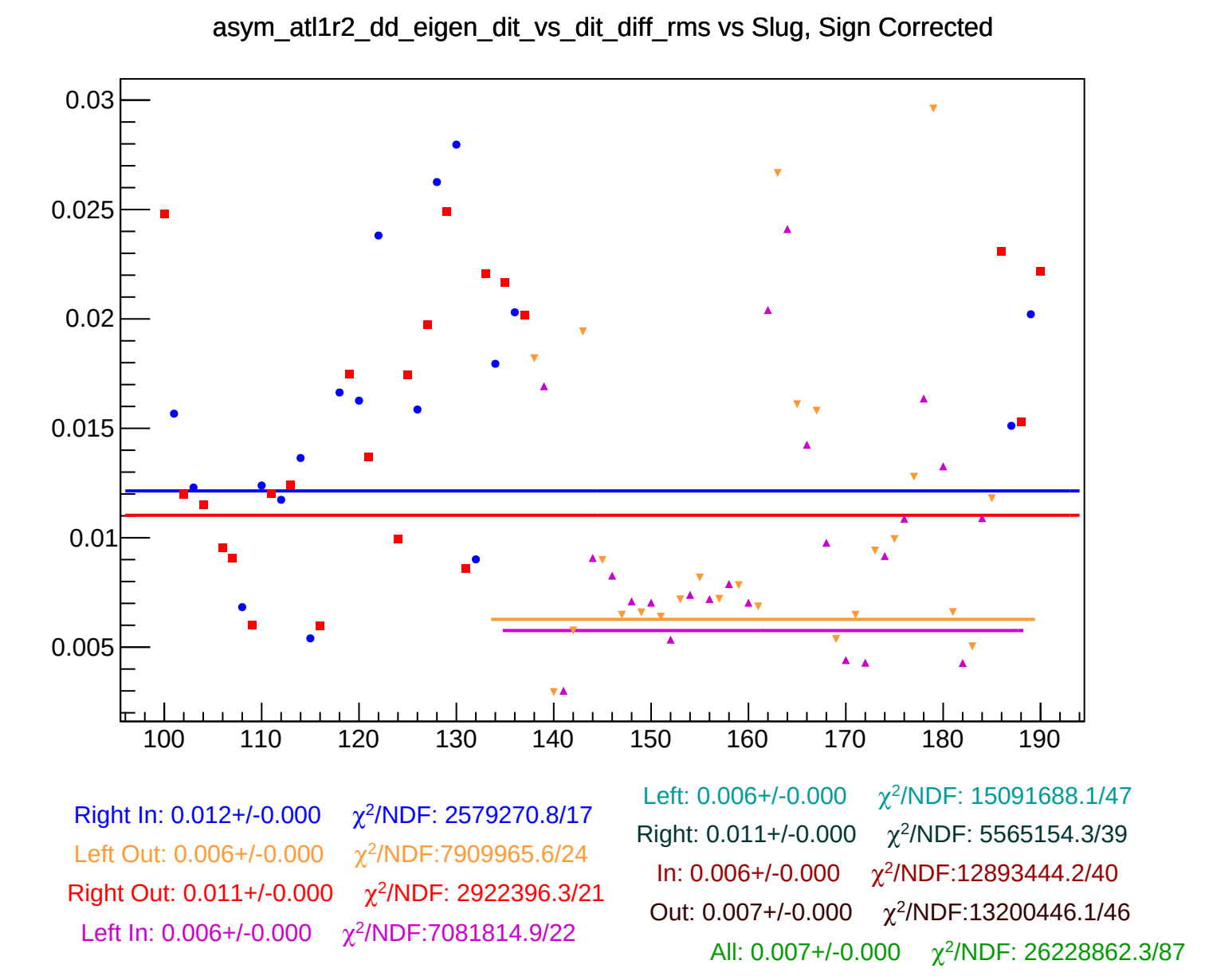
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 38.1/39

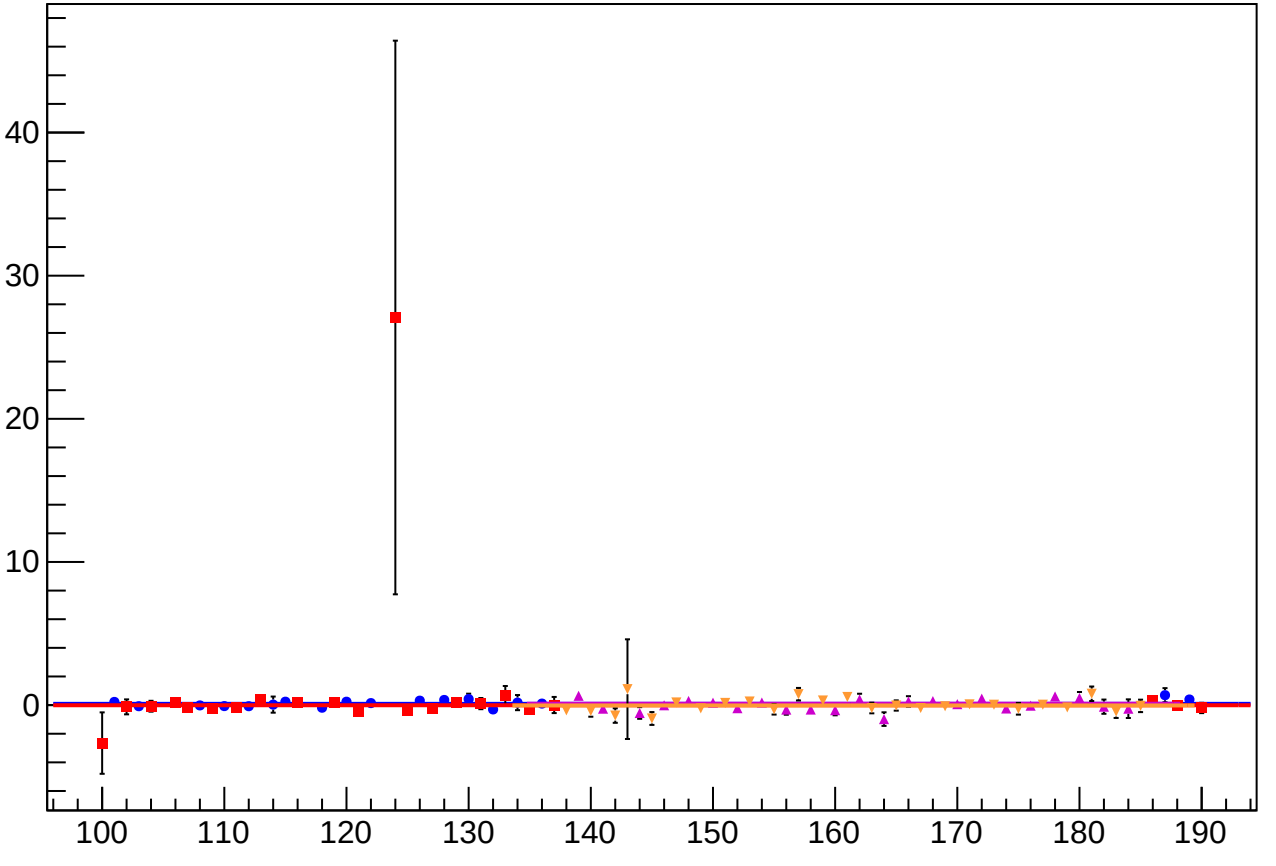
In: 0.000+/-0.000 χ^2/NDF:47.3/40

Out: 0.000+/-0.000 χ^2/NDF:68.3/46

All: 0.000+/-0.000 χ^2/NDF: 117.6/87


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.012+/-0.000 χ²/NDF: 2579270.8/17
Left Out: 0.006+/-0.000 χ²/NDF:7909965.6/24
Right Out: 0.011+/-0.000 χ²/NDF: 2922396.3/21
Left In: 0.006+/-0.000 χ²/NDF:7081814.9/22
Left: 0.006+/-0.000 χ²/NDF: 15091688.1/47
Right: 0.011+/-0.000 χ²/NDF: 5565154.3/39
In: 0.006+/-0.000 χ²/NDF:12893444.2/40
Out: 0.007+/-0.000 χ²/NDF:13200446.1/46
All: 0.007+/-0.000 χ²/NDF: 26228862.3/87

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.053 χ^2/NDF: 24.4/21

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

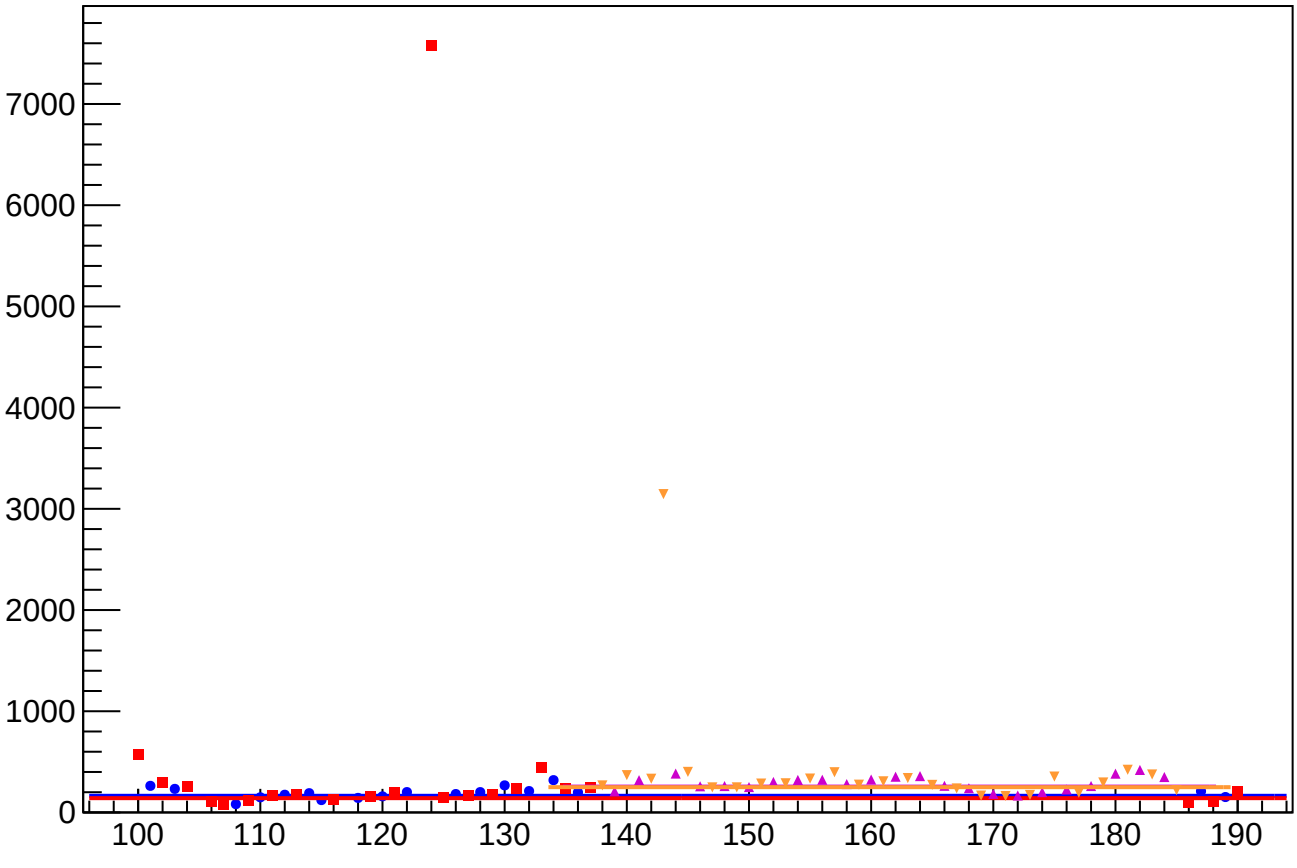
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.031+/-0.041 χ^2/NDF: 37.2/39

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.016+/-0.040 χ^2/NDF:47.9/46

All: 0.032+/-0.030 χ^2/NDF: 94.1/87



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 141.222+/-0.038 χ^2/NDF: 2323235.6/21

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

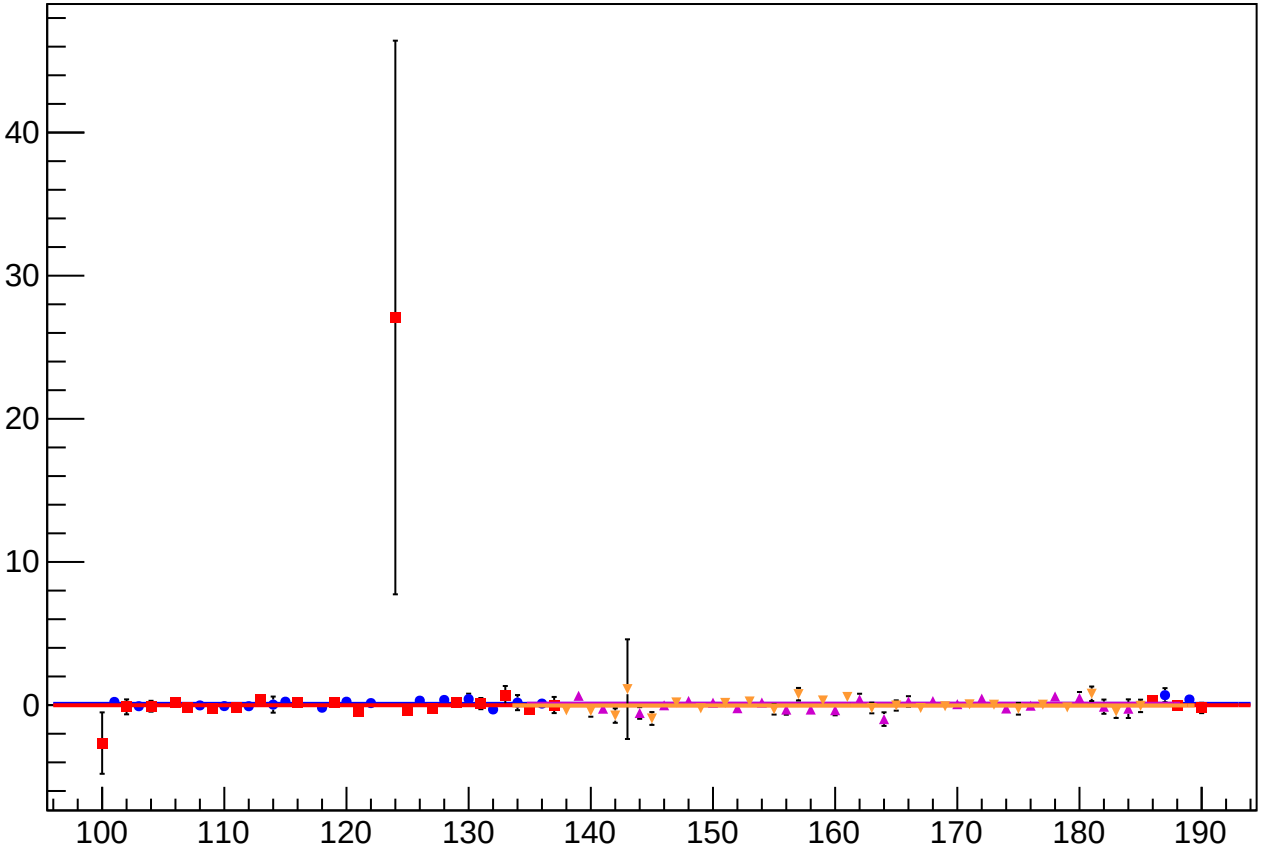
Right: 150.916+/-0.029 χ^2/NDF: 3981986.8/39

In: 209.904+/-0.031 χ^2/NDF:5685768.5/40

Out: 187.508+/-0.028 χ^2/NDF:10124978.2/46

All: 197.568+/-0.021 χ^2/NDF: 16089303.8/87

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.053 χ^2/NDF: 24.4/21

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

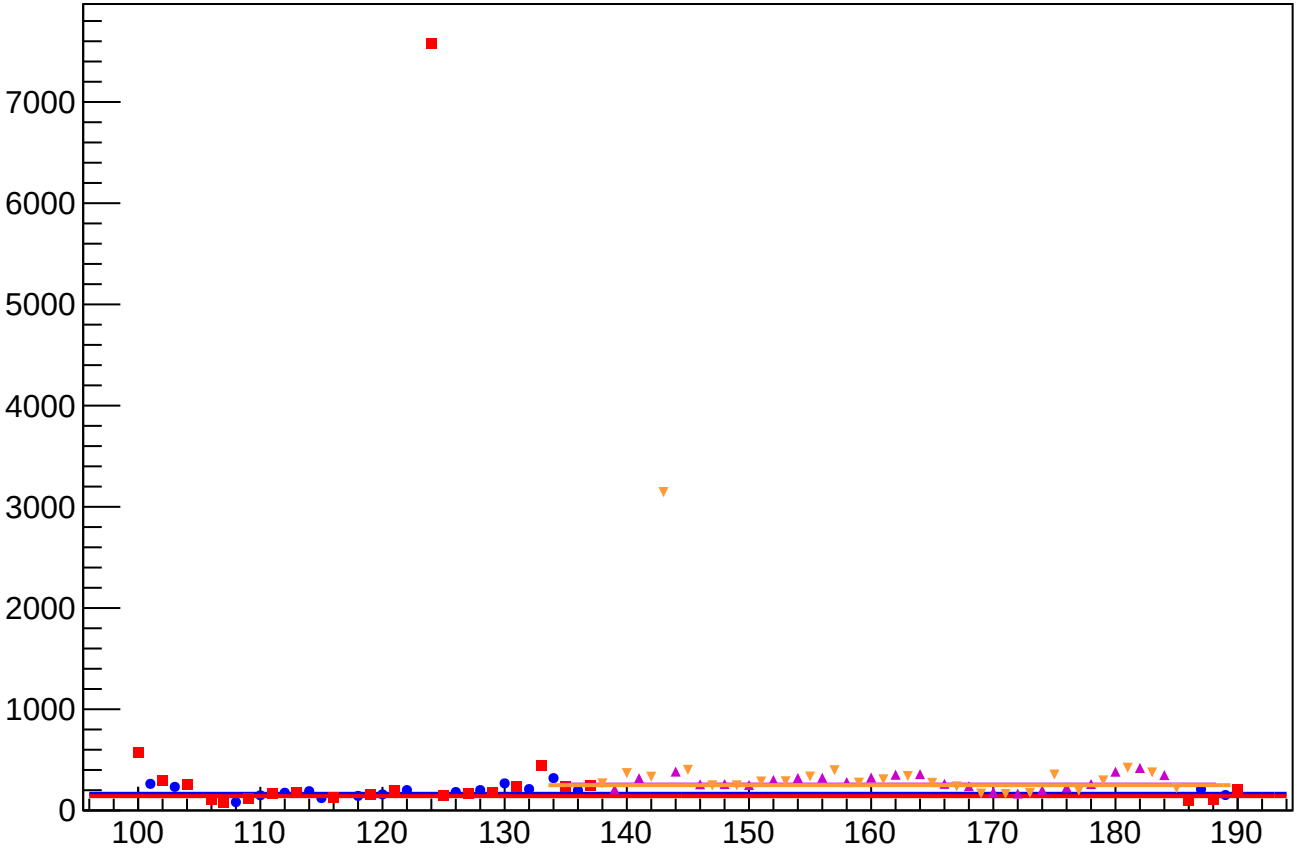
Right: 0.031+/-0.041 χ^2/NDF: 37.2/39

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.016+/-0.040 χ^2/NDF:47.9/46

All: 0.032+/-0.030 χ^2/NDF: 94.1/87

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 141.222+/-0.038 χ^2/NDF: 2323235.6/21

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

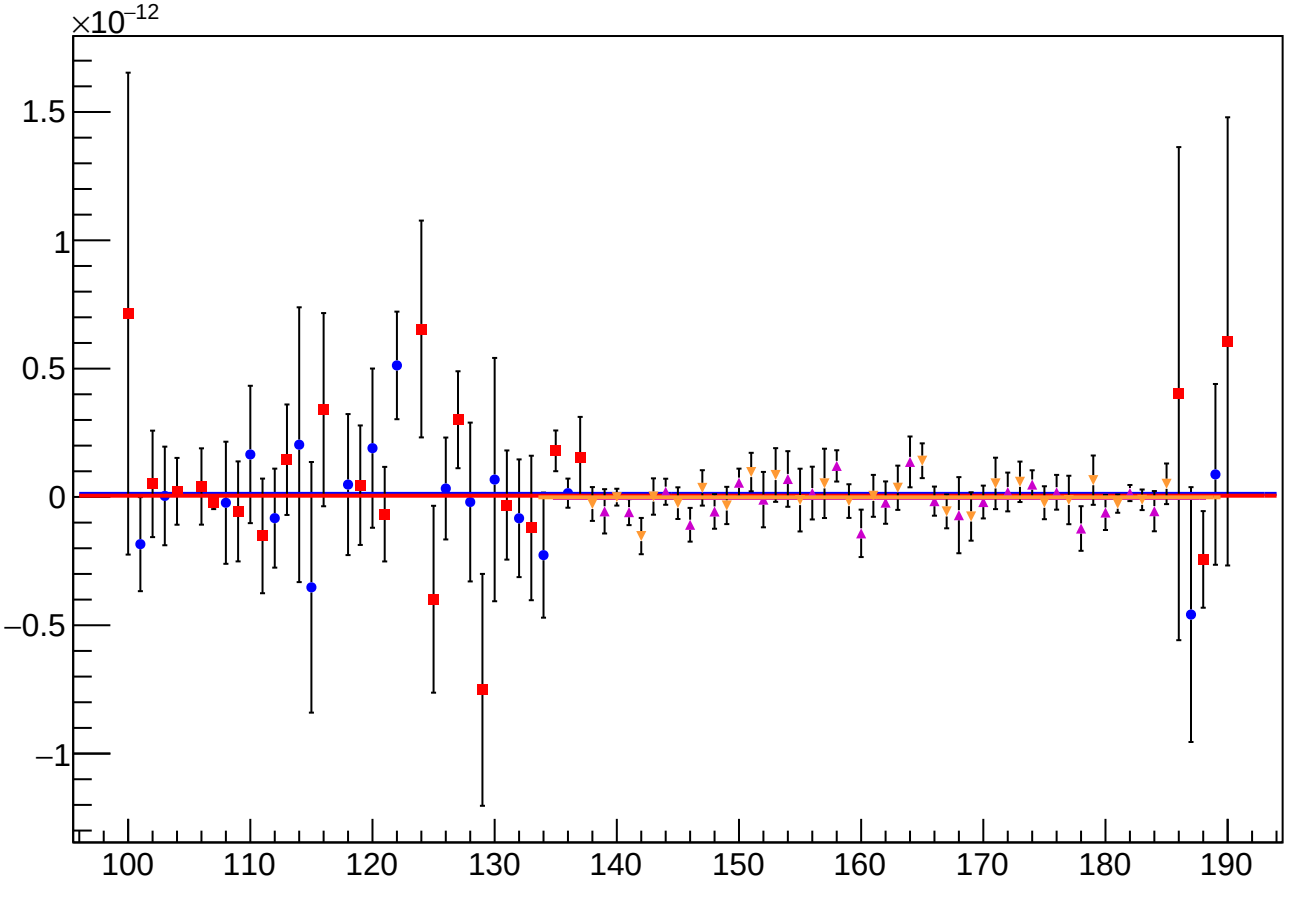
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 150.916+/-0.029 χ^2/NDF: 3981986.8/39

In: 209.904+/-0.031 χ^2/NDF:5685768.5/40

Out: 187.508+/-0.028 χ^2/NDF:10124978.2/46

All: 197.568+/-0.021 χ^2/NDF: 16089303.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

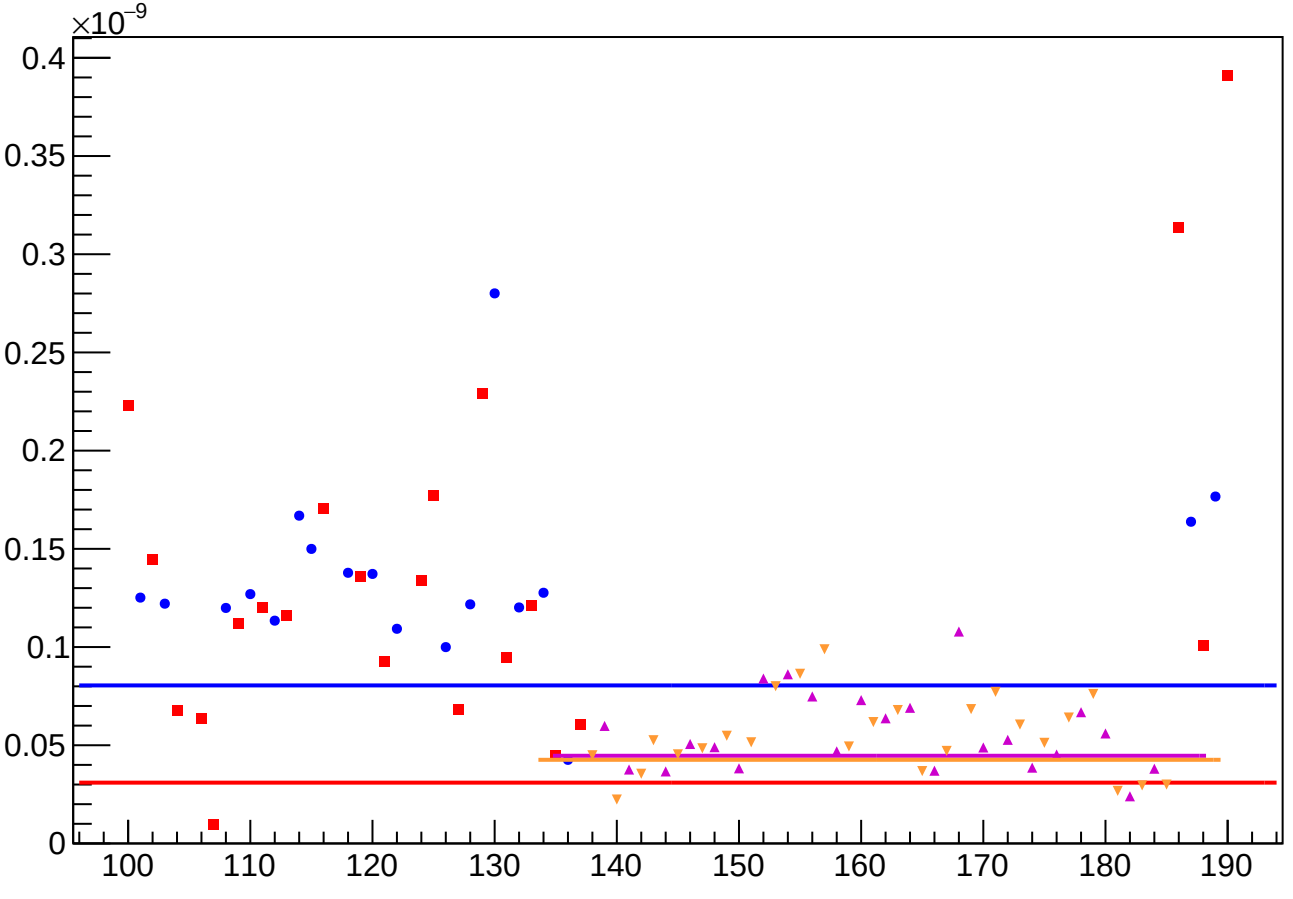
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 31.4/39

In: -0.000+/-0.000 χ^2/NDF:30.6/40

Out: 0.000+/-0.000 χ^2/NDF:37.2/46

All: -0.000+/-0.000 χ^2/NDF: 67.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 2312915.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6281297.0/21

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

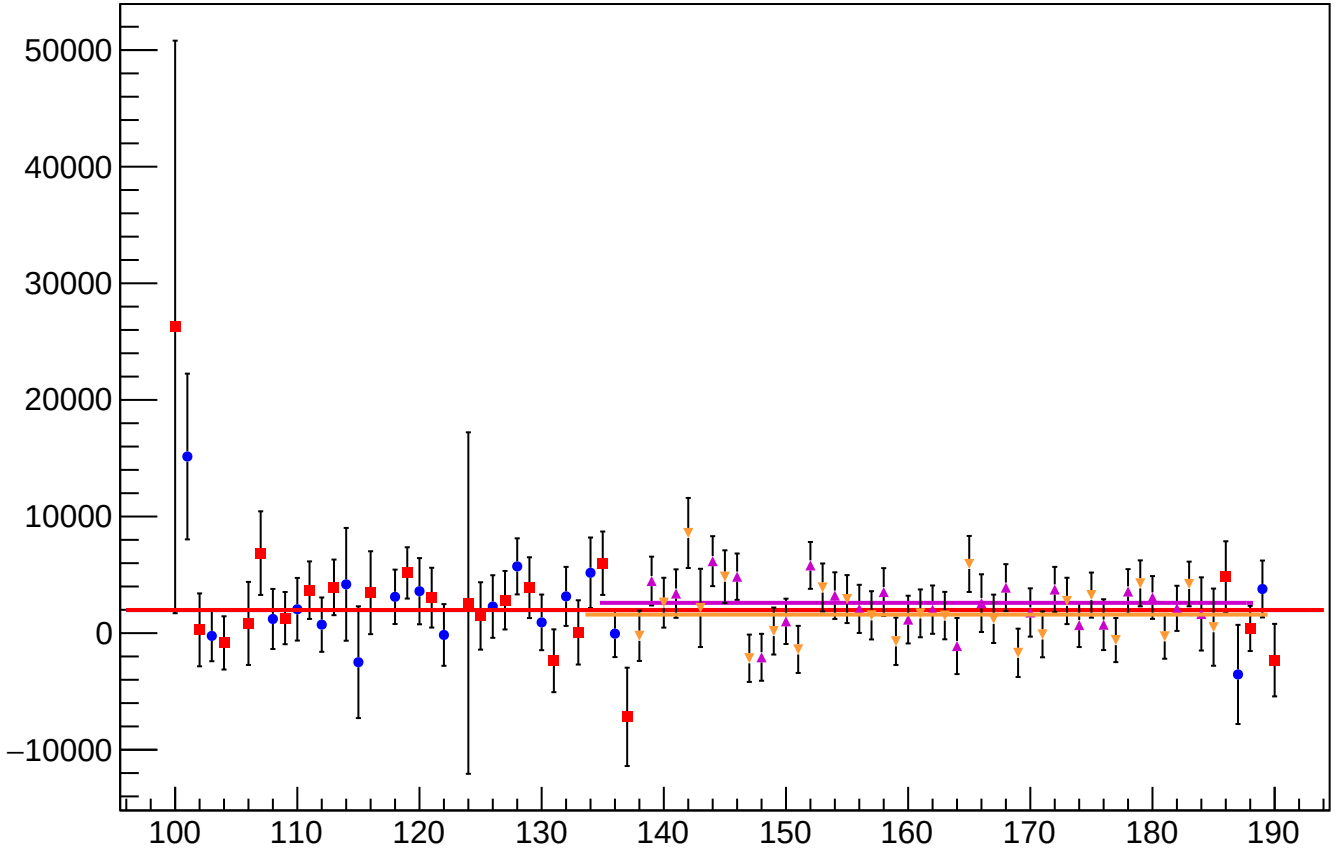
Right: 0.000+/-0.000 χ^2/NDF: 10745730.9/39

In: 0.000+/-0.000 χ^2/NDF:6504178.6/40

Out: 0.000+/-0.000 χ^2/NDF:10324939.0/46

All: 0.000+/-0.000 χ^2/NDF: 17297036.1/87

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.094+/-636.730 χ^2/NDF: 14.4/17

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 1986.440+/-597.652 χ^2/NDF: 22.6/21

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

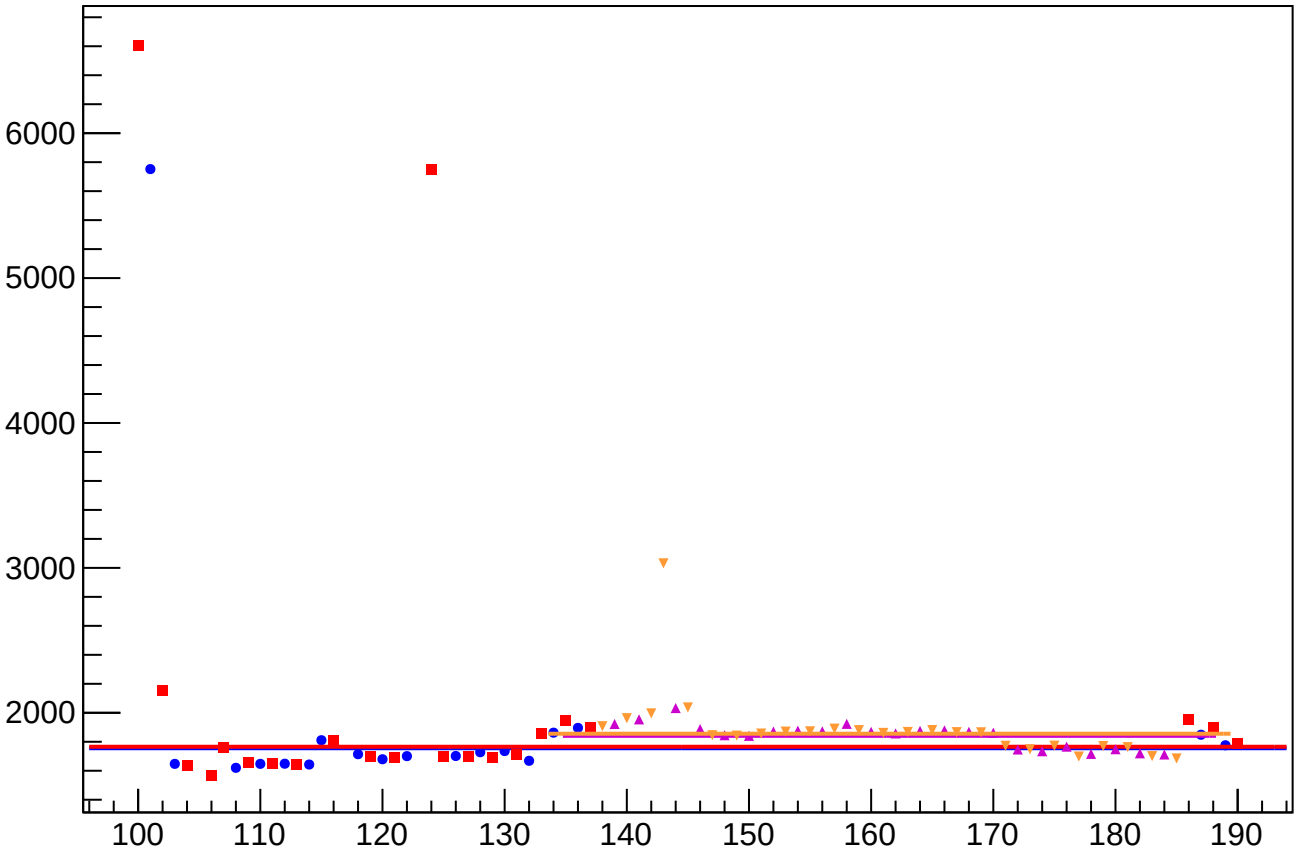
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 1981.594+/-435.764 χ^2/NDF: 36.9/39

In: 2402.847+/-356.518 χ^2/NDF:35.1/40

Out: 1724.077+/-345.432 χ^2/NDF:54.1/46

All: 2052.745+/-248.084 χ^2/NDF: 91.1/87



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.7/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1765.605+/-0.420 χ^2/NDF: 324491.1/21

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

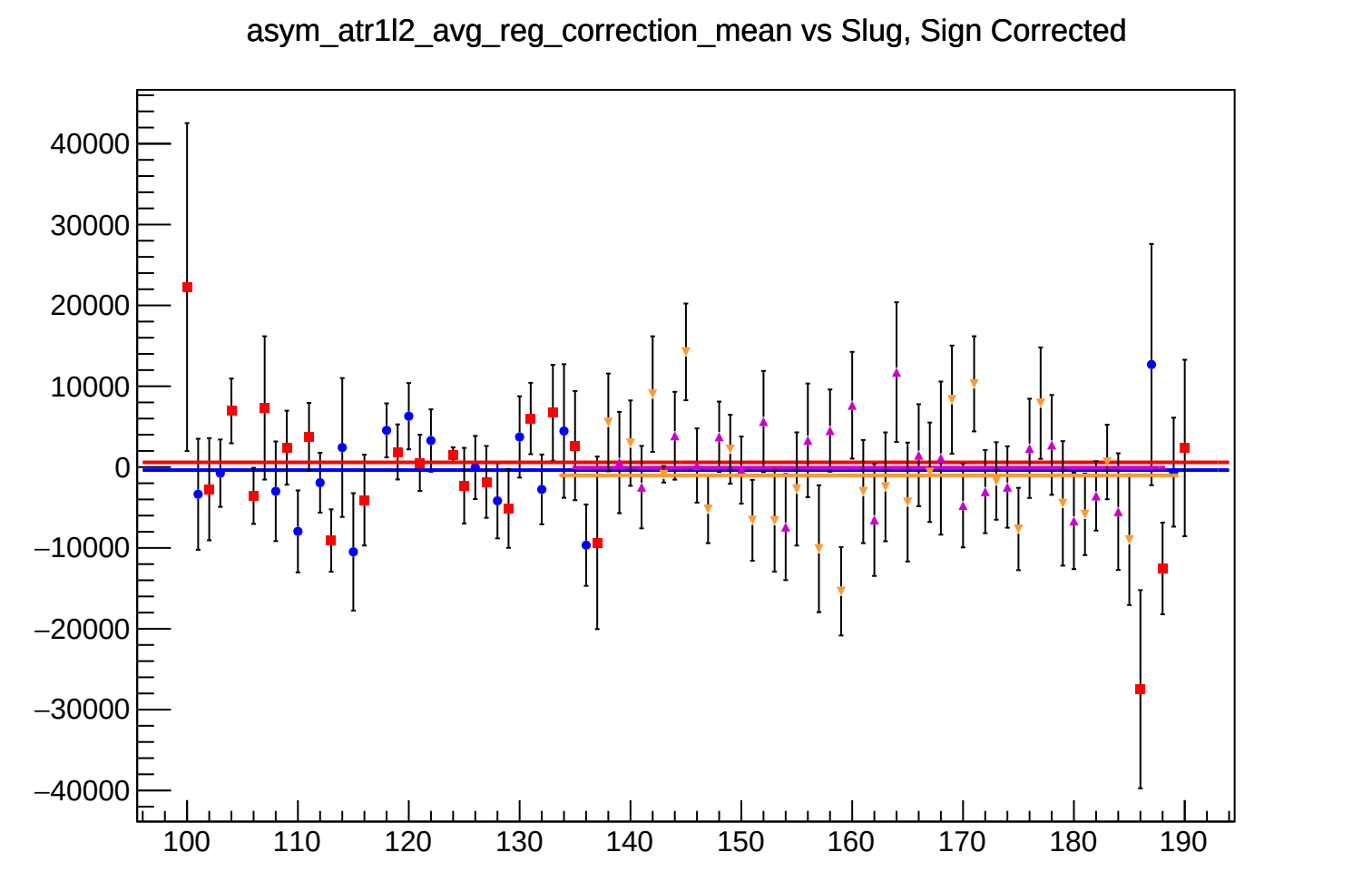
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1760.870+/-0.307 χ^2/NDF: 996580.0/39

In: 1814.160+/-0.252 χ^2/NDF:767588.0/40

Out: 1825.263+/-0.244 χ^2/NDF:679178.1/46

All: 1819.898+/-0.175 χ^2/NDF: 1447768.7/87



Right In: -371.270+/-1153.546 χ^2/NDF: 16.7/17

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 586.525+/-717.067 χ^2/NDF: 30.9/21

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

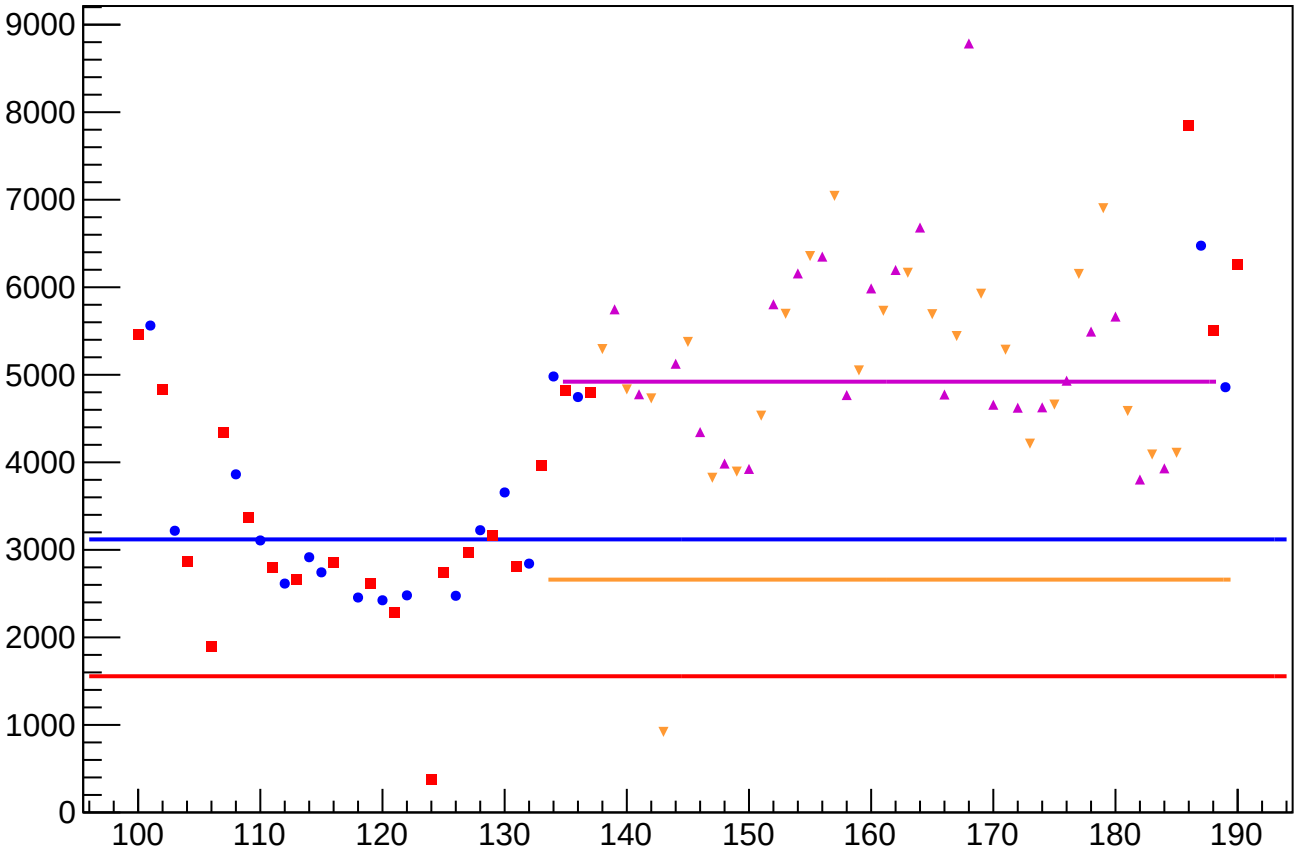
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 319.575+/-608.995 χ^2/NDF: 48.1/39

In: -219.459+/-822.620 χ^2/NDF:29.8/40

Out: -157.215+/-525.333 χ^2/NDF:67.0/46

All: -175.246+/-442.752 χ^2/NDF: 96.7/87



Right In: 3119.510+/-0.816 χ^2/NDF: 1149486.9/17

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1556.104+/-0.507 χ^2/NDF: 8699856.5/21

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

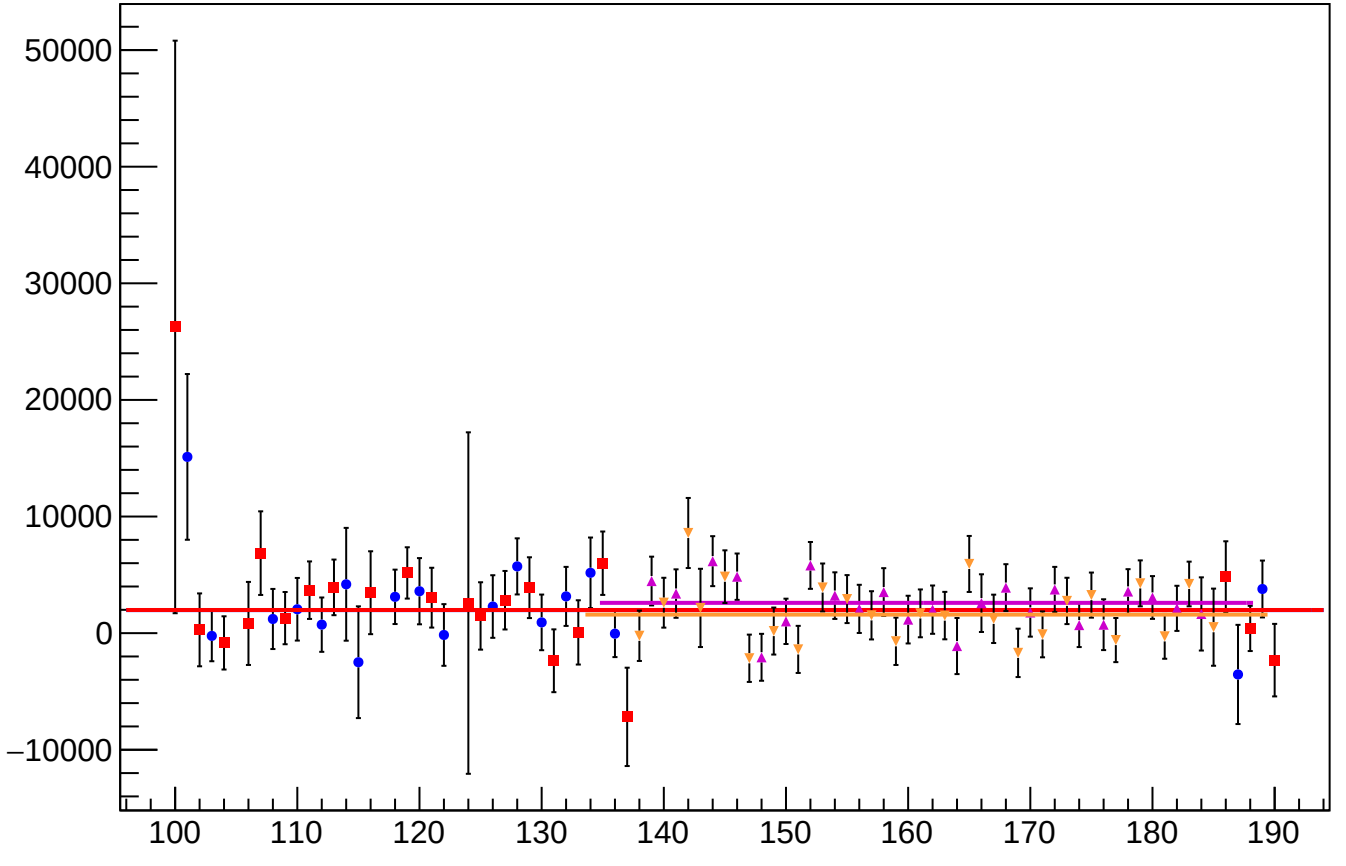
Right: 1991.846+/-0.431 χ^2/NDF: 12499131.3/39

In: 4005.019+/-0.582 χ^2/NDF:4798681.8/40

Out: 2067.519+/-0.371 χ^2/NDF:25431844.7/46

All: 2628.780+/-0.313 χ^2/NDF: 38111270.1/8

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.815+/-636.730 χ^2/NDF: 14.3/17

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 1986.487+/-597.652 χ^2/NDF: 22.6/21

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

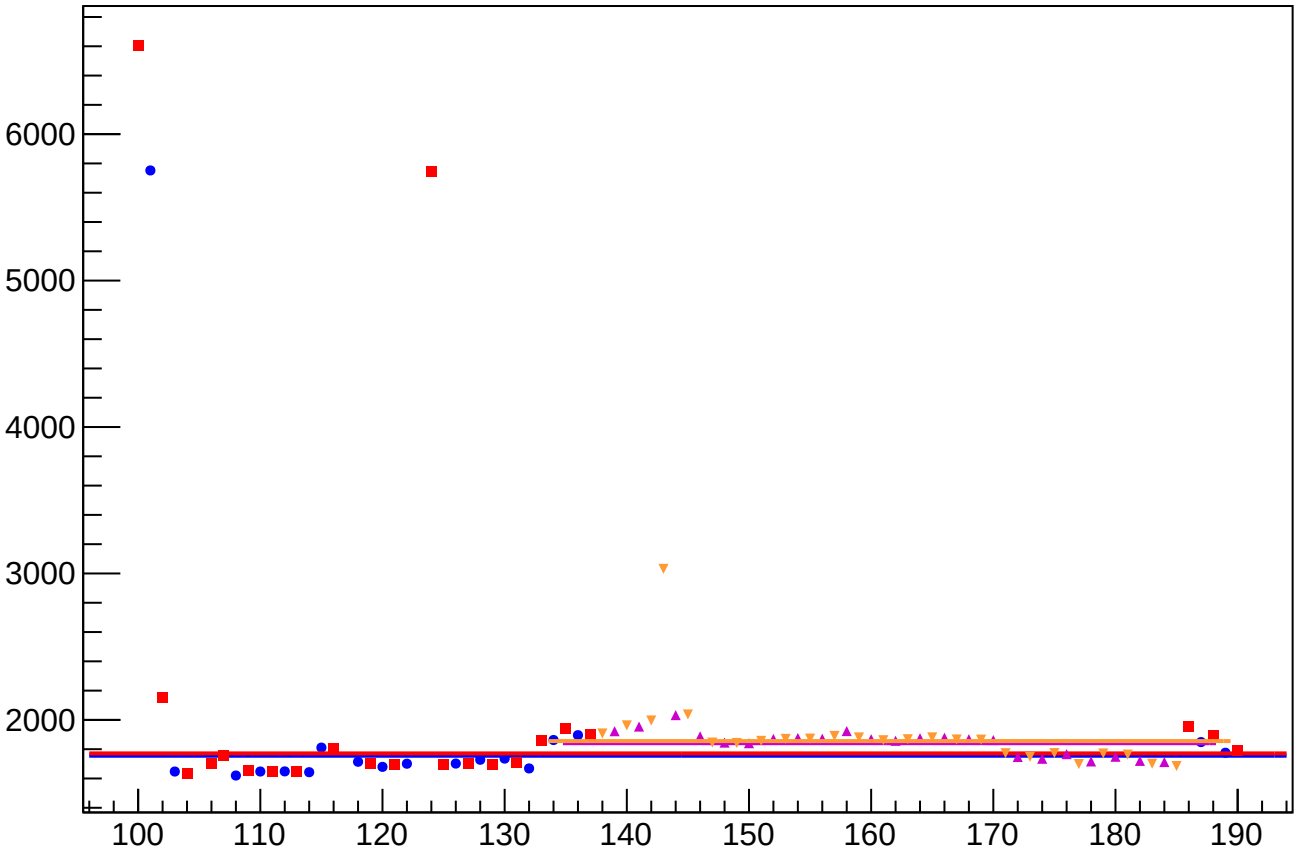
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 1981.489+/-435.764 χ^2/NDF: 36.9/39

In: 2402.809+/-356.518 χ^2/NDF:35.1/40

Out: 1724.071+/-345.432 χ^2/NDF:54.1/46

All: 2052.723+/-248.084 χ^2/NDF: 91.1/87



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.346+/-0.421 χ^2/NDF: 316212.5/21

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

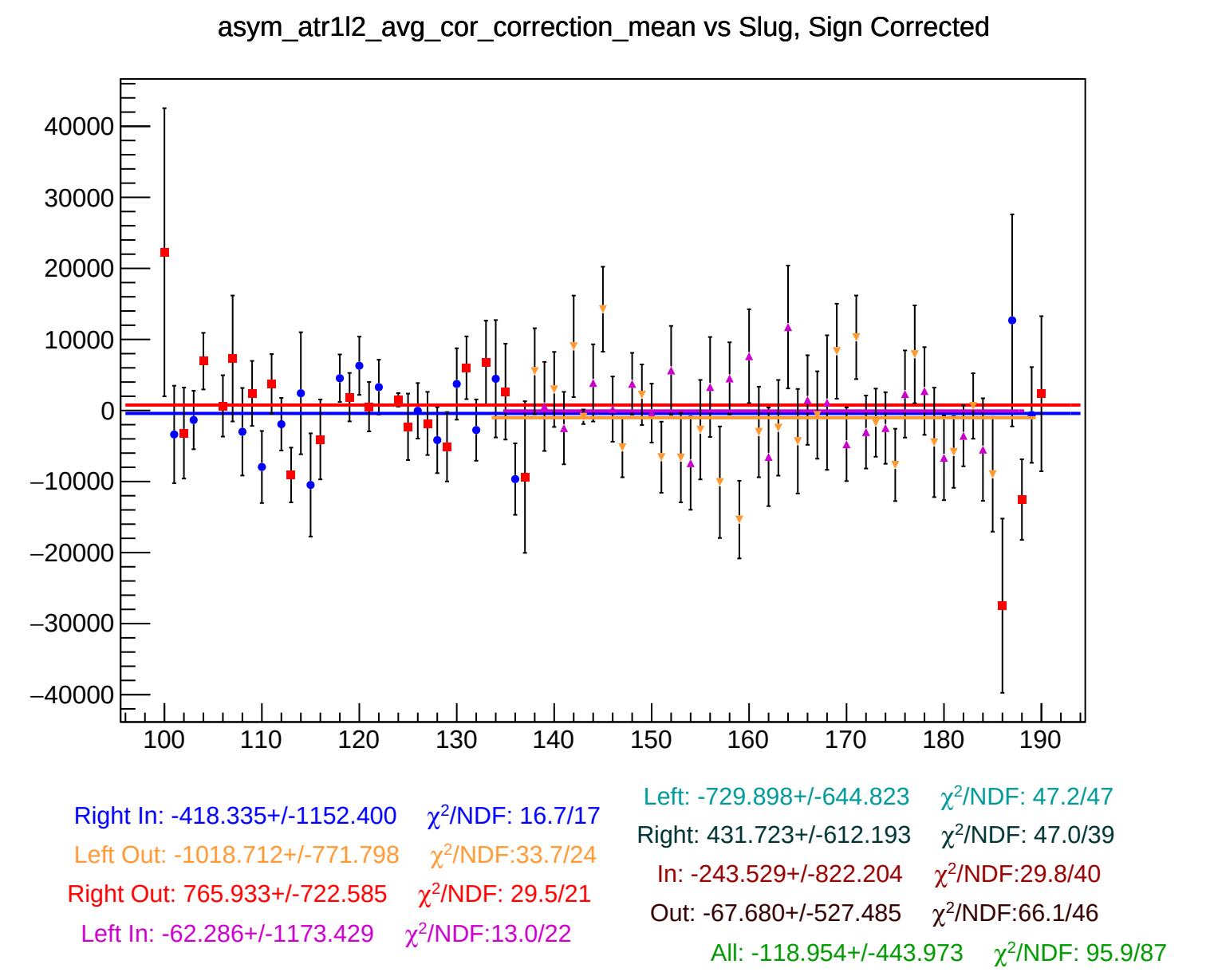
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

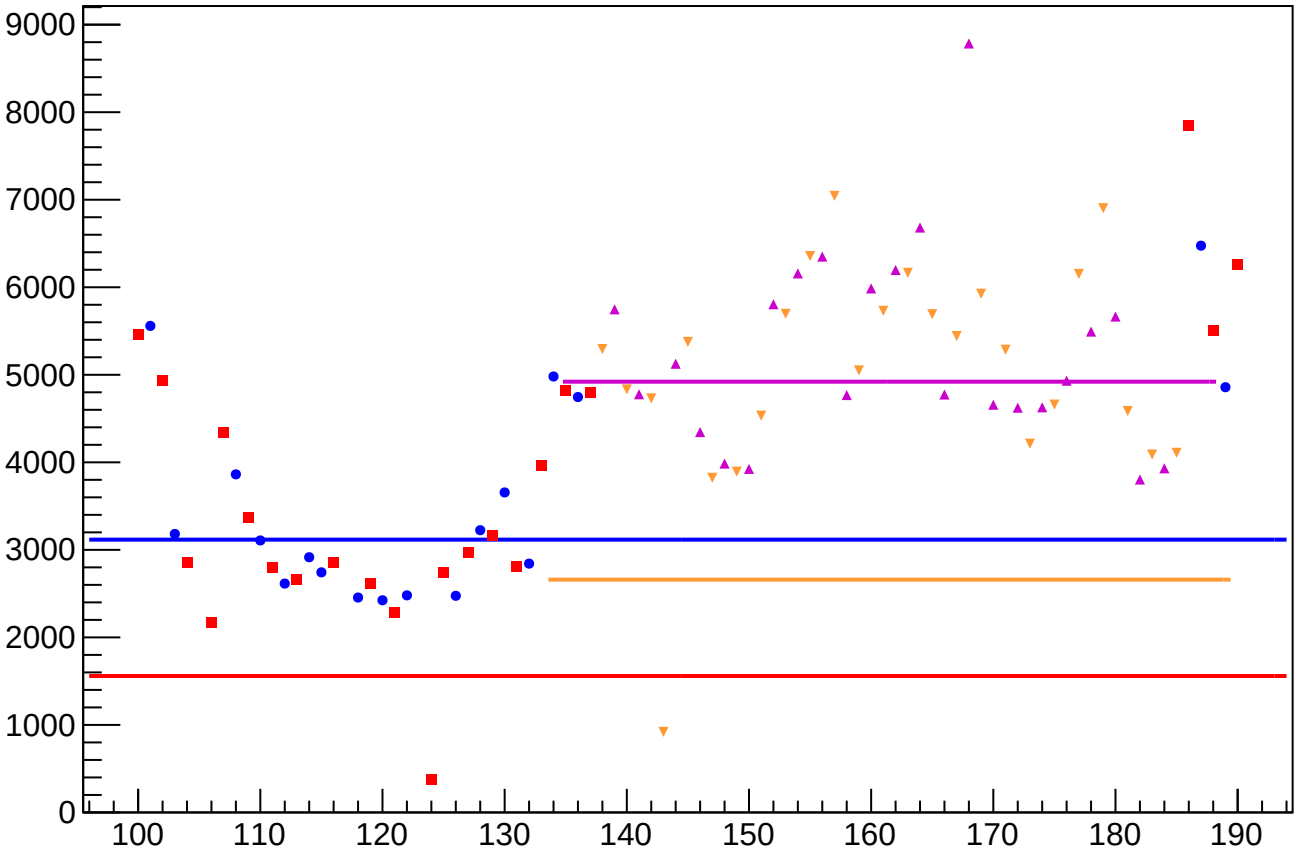
Right: 1763.915+/-0.308 χ^2/NDF: 988694.7/39

In: 1814.160+/-0.252 χ^2/NDF:767588.3/40

Out: 1827.310+/-0.244 χ^2/NDF:667034.5/46

All: 1820.949+/-0.175 χ^2/NDF: 1436027.8/87


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -418.335+/-1152.400 χ²/NDF: 16.7/17
Left Out: -1018.712+/-771.798 χ²/NDF:33.7/24
Right Out: 765.933+/-722.585 χ²/NDF: 29.5/21
Left In: -62.286+/-1173.429 χ²/NDF:13.0/22
Left: -729.898+/-644.823 χ²/NDF: 47.2/47
Right: 431.723+/-612.193 χ²/NDF: 47.0/39
In: -243.529+/-822.204 χ²/NDF:29.8/40
Out: -67.680+/-527.485 χ²/NDF:66.1/46
All: -118.954+/-443.973 χ²/NDF: 95.9/87



Right In: 3116.809+/-0.815 χ^2/NDF: 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1558.738+/-0.511 χ^2/NDF: 8737137.5/21

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

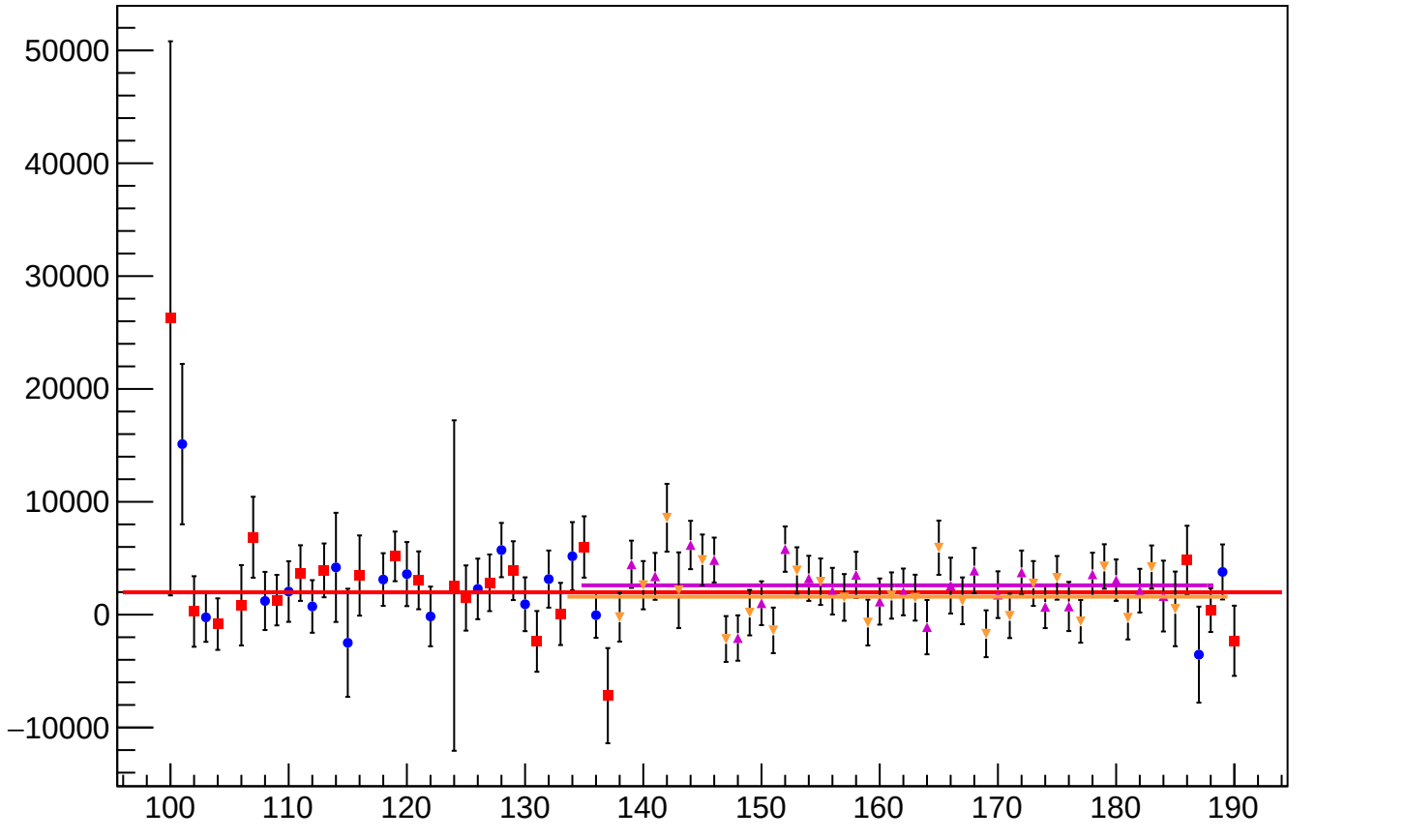
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1998.438+/-0.433 χ^2/NDF: 12509675.4/39

In: 4002.749+/-0.581 χ^2/NDF:4807081.5/40

Out: 2073.098+/-0.373 χ^2/NDF:25443516.8/46

All: 2635.740+/-0.314 χ^2/NDF: 38054662.8/8



Right In: 1975.815+/-636.730 χ^2/NDF: 14.3/17

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 1986.487+/-597.652 χ^2/NDF: 22.6/21

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

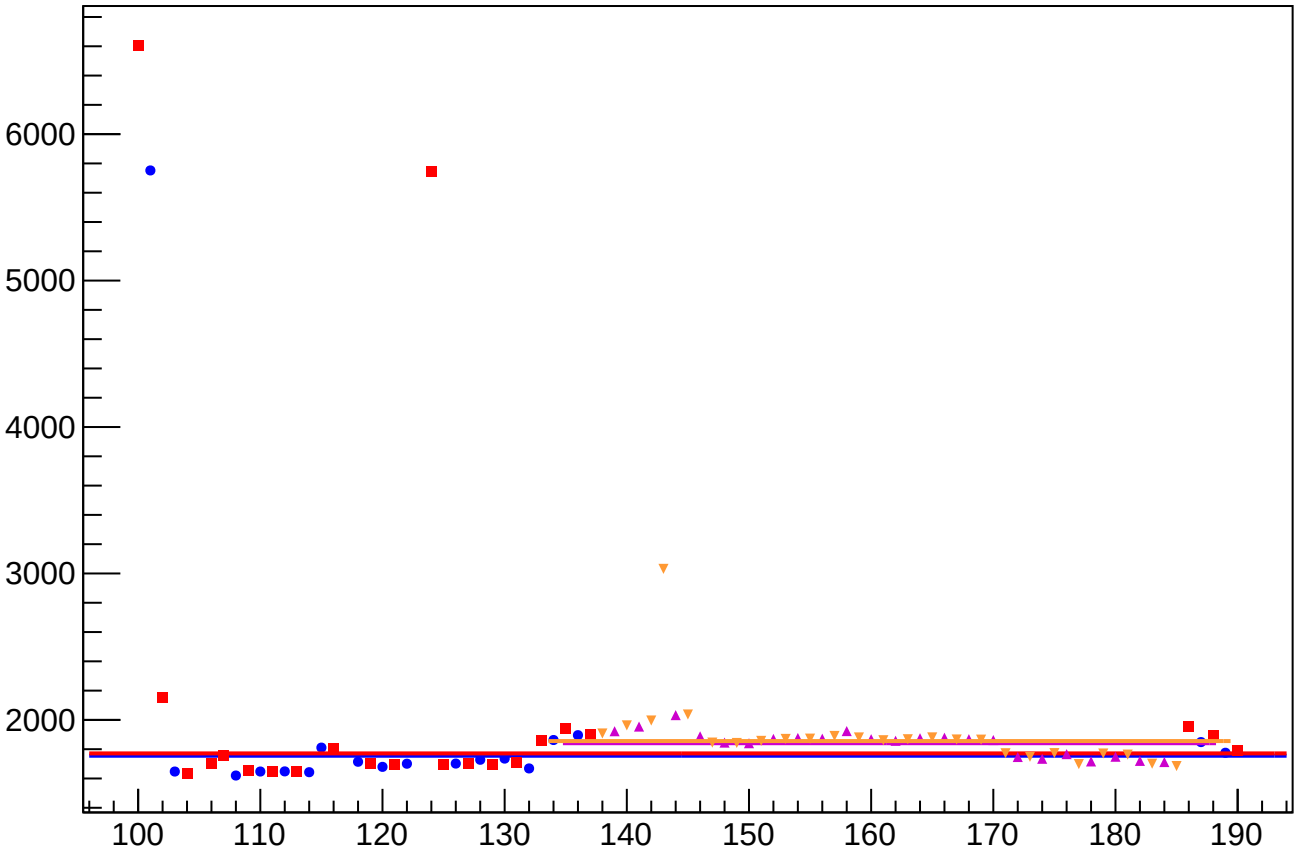
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 1981.489+/-435.764 χ^2/NDF: 36.9/39

In: 2402.809+/-356.518 χ^2/NDF:35.1/40

Out: 1724.071+/-345.432 χ^2/NDF:54.1/46

All: 2052.723+/-248.084 χ^2/NDF: 91.1/87



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.346+/-0.421 χ^2/NDF: 316212.5/21

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

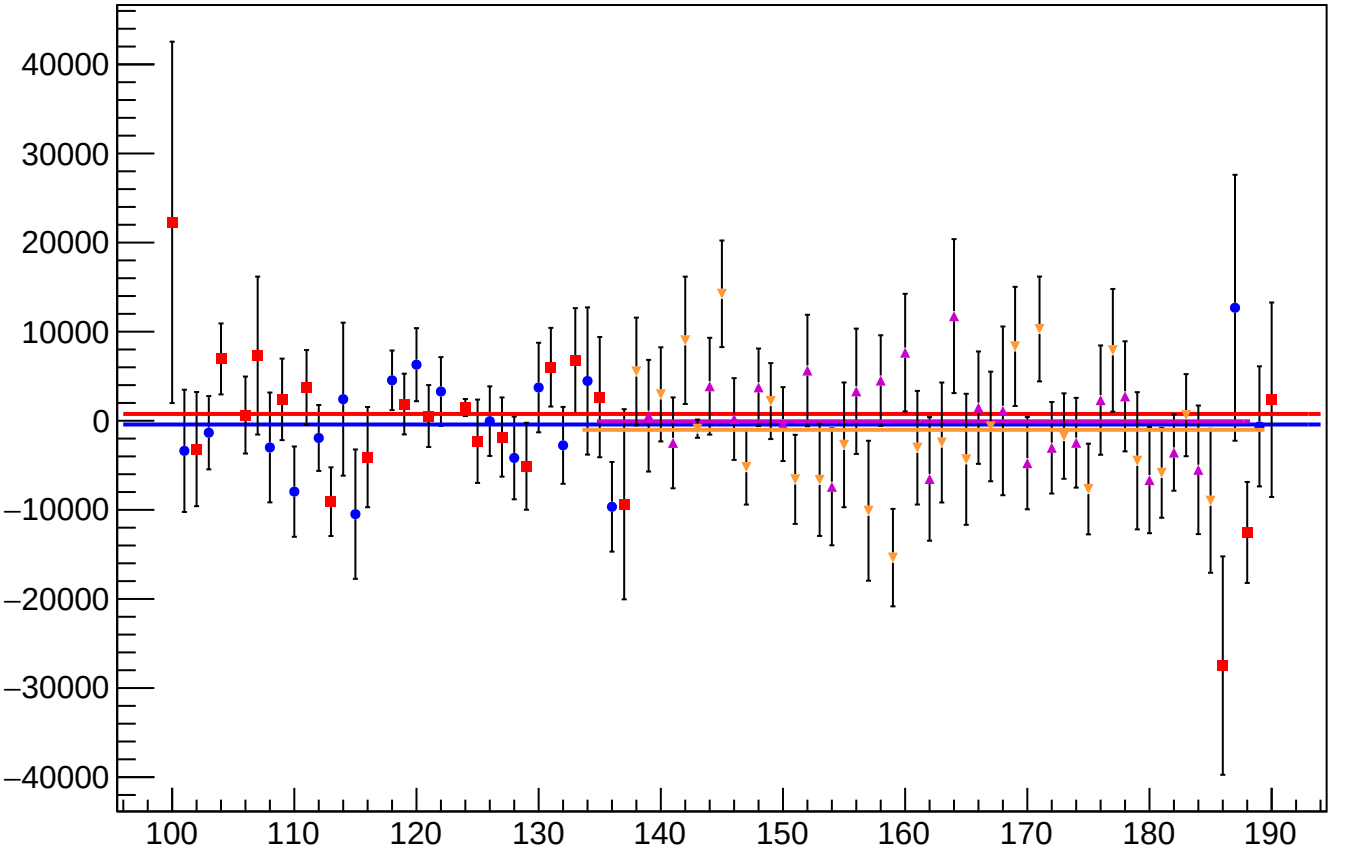
Right: 1763.915+/-0.308 χ^2/NDF: 988694.7/39

In: 1814.160+/-0.252 χ^2/NDF:767588.3/40

Out: 1827.310+/-0.244 χ^2/NDF:667034.5/46

All: 1820.949+/-0.175 χ^2/NDF: 1436027.8/87

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -418.335+/-1152.400 χ^2/NDF: 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 765.933+/-722.585 χ^2/NDF: 29.5/21

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

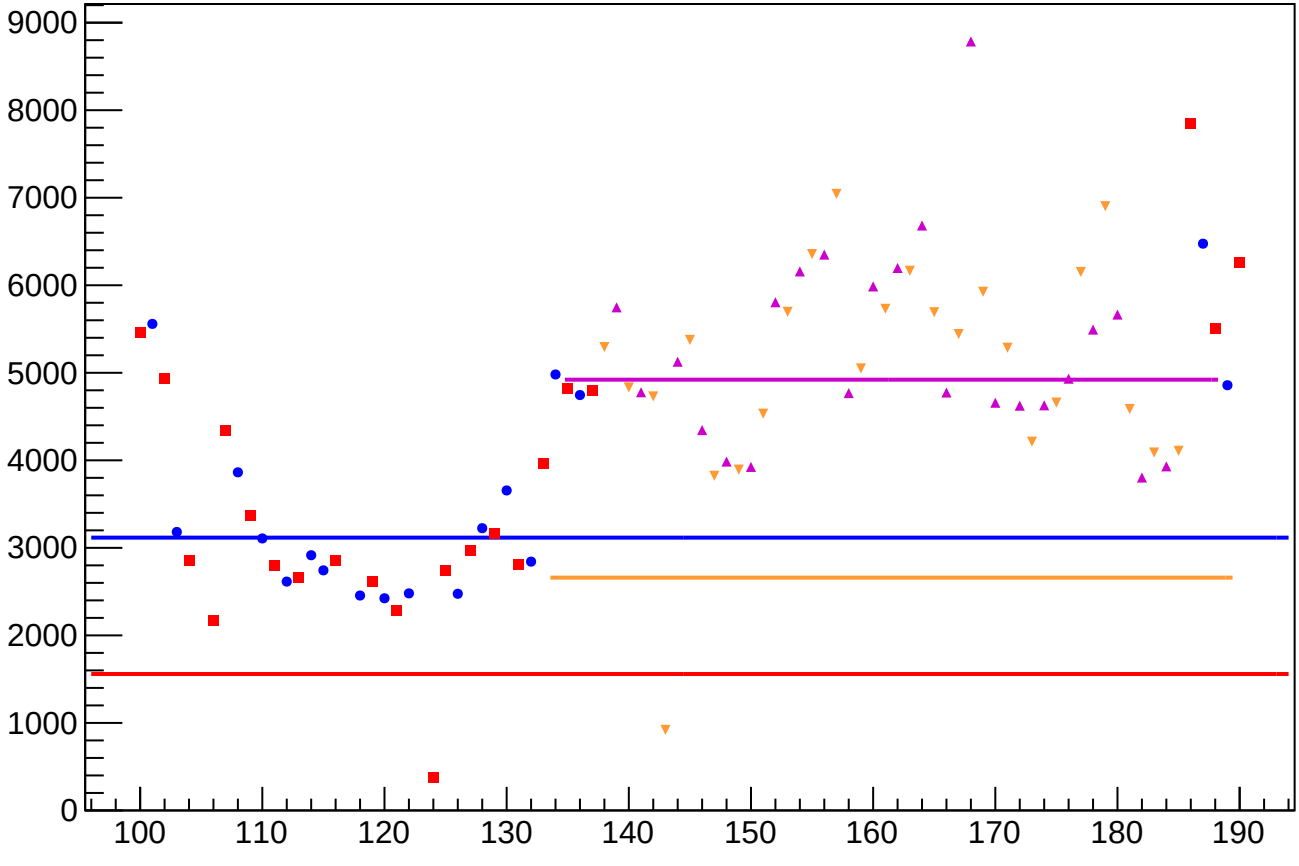
Right: 431.723+/-612.193 χ^2/NDF: 47.0/39

In: -243.529+/-822.204 χ^2/NDF:29.8/40

Out: -67.680+/-527.485 χ^2/NDF:66.1/46

All: -118.954+/-443.973 χ^2/NDF: 95.9/87

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3116.809+/-0.815 χ^2/NDF: 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1558.738+/-0.511 χ^2/NDF: 8737137.5/21

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

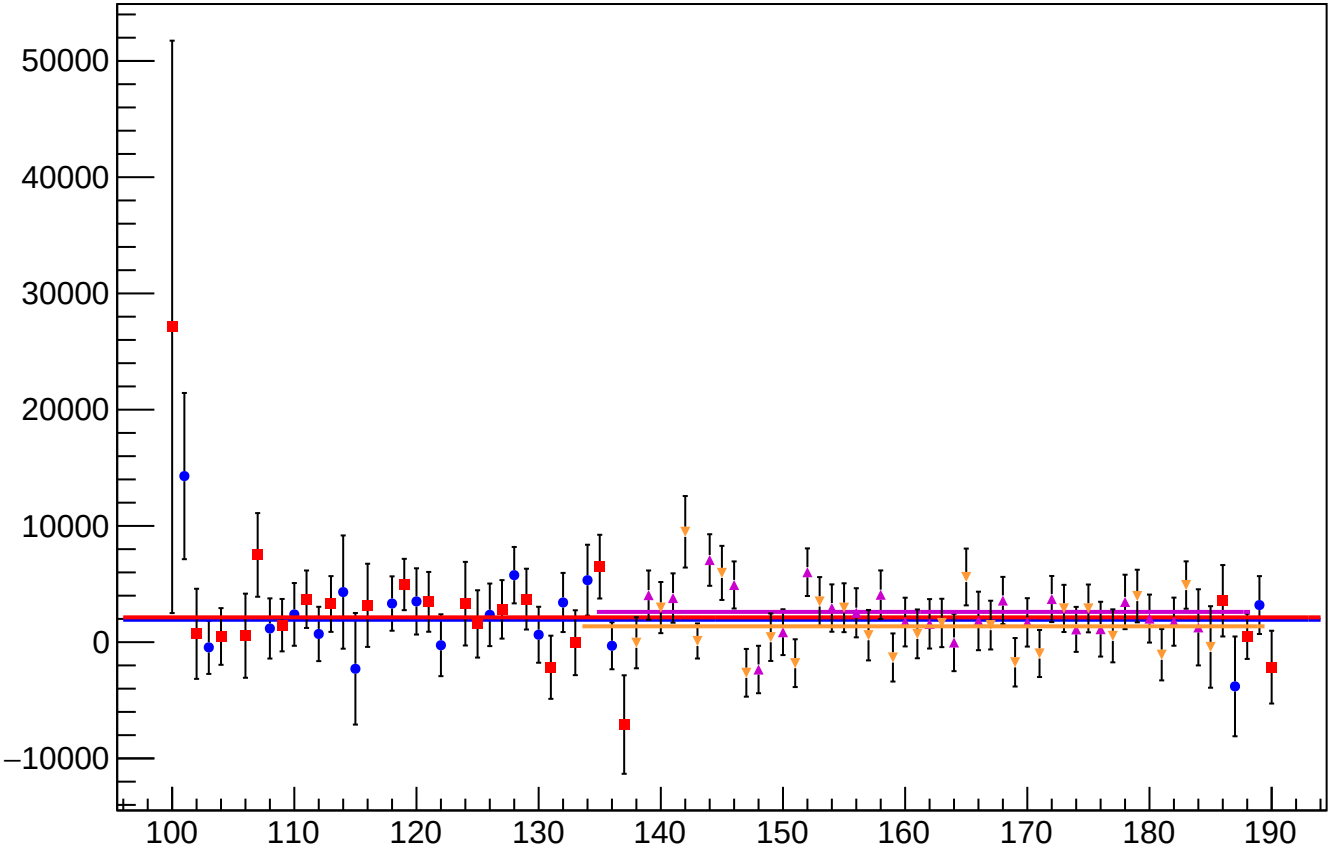
Right: 1998.438+/-0.433 χ^2/NDF: 12509675.4/39

In: 4002.749+/-0.581 χ^2/NDF:4807081.5/40

Out: 2073.098+/-0.373 χ^2/NDF:25443516.8/46

All: 2635.740+/-0.314 χ^2/NDF: 38054662.8/8

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1927.055+/-643.316 χ^2/NDF: 14.5/17

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2134.604+/-599.347 χ^2/NDF: 20.5/21

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

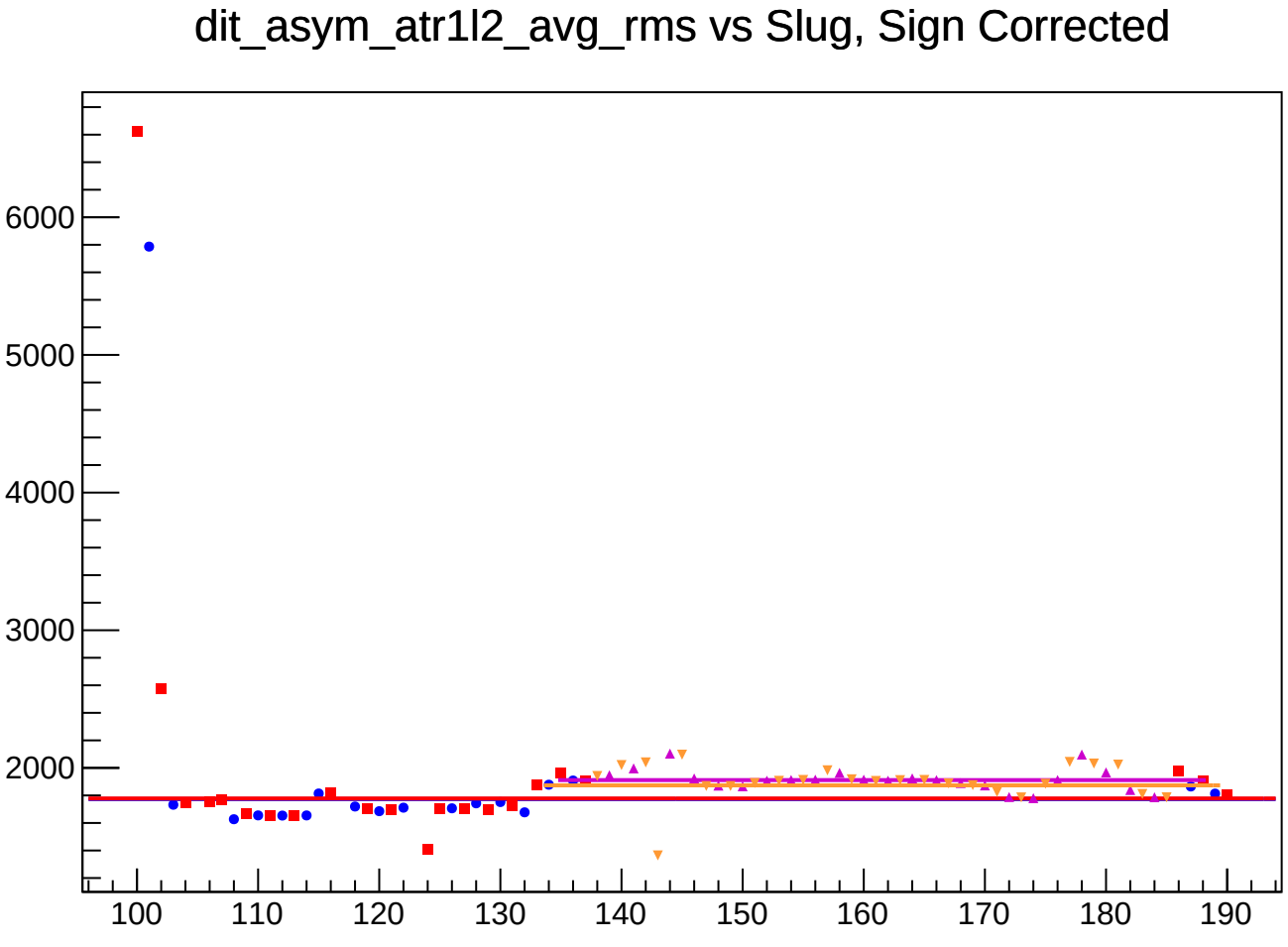
Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

Right: 2038.164+/-438.523 χ^2/NDF: 35.0/39

In: 2382.973+/-366.942 χ^2/NDF:35.3/40

Out: 1623.642+/-347.947 χ^2/NDF:57.7/46

All: 1983.146+/-252.484 χ^2/NDF: 95.2/87



Right In: 1773.639+/-0.455 χ^2/NDF: 668898.9/17

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1777.879+/-0.423 χ^2/NDF: 238586.5/21

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

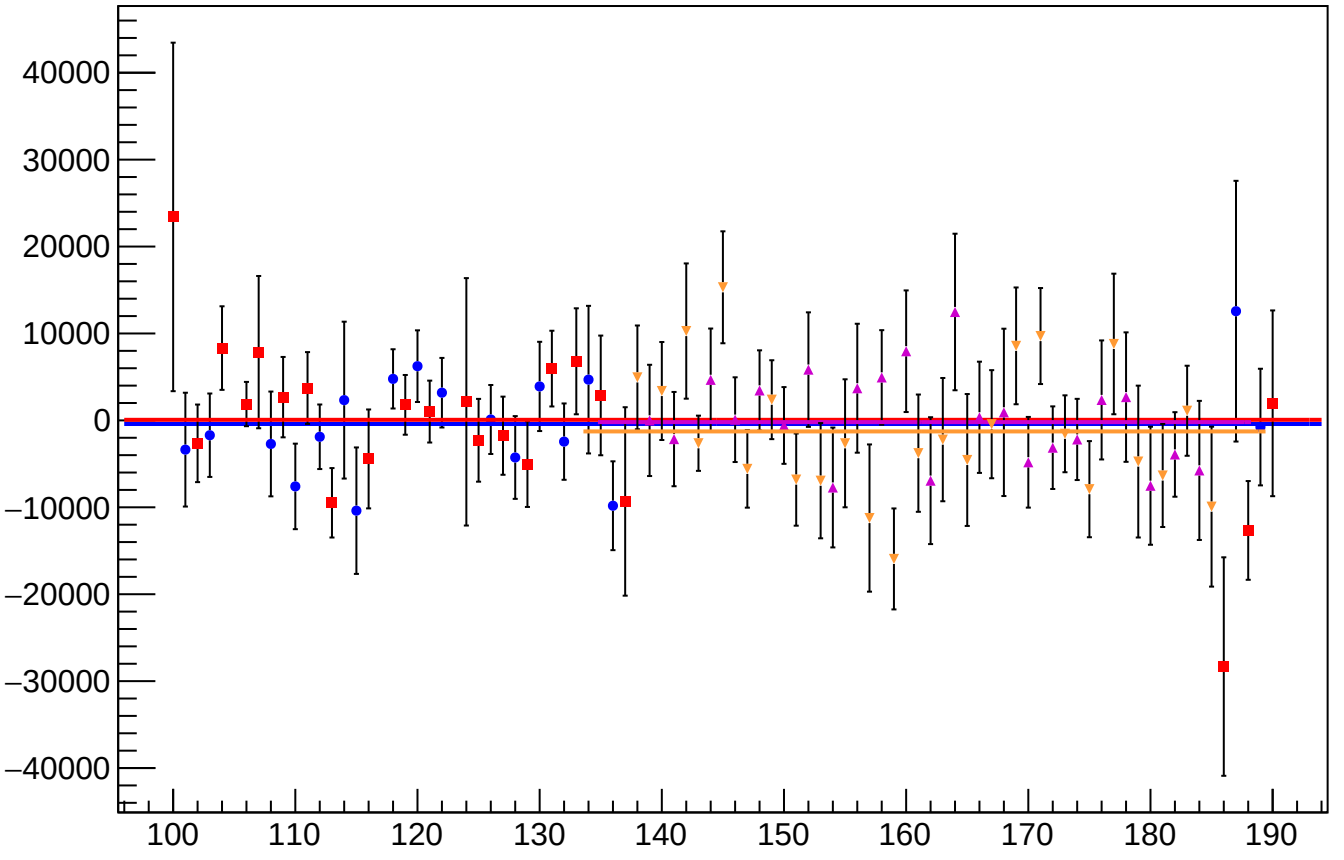
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1775.913+/-0.310 χ^2/NDF: 907532.0/39

In: 1866.596+/-0.259 χ^2/NDF:789935.2/40

Out: 1840.965+/-0.246 χ^2/NDF:581941.4/46

All: 1853.090+/-0.178 χ^2/NDF: 1377018.4/87



Right In: -416.449+/-1176.197 χ^2/NDF: 16.5/17

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 65.760+/-1042.354 χ^2/NDF: 29.3/21

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

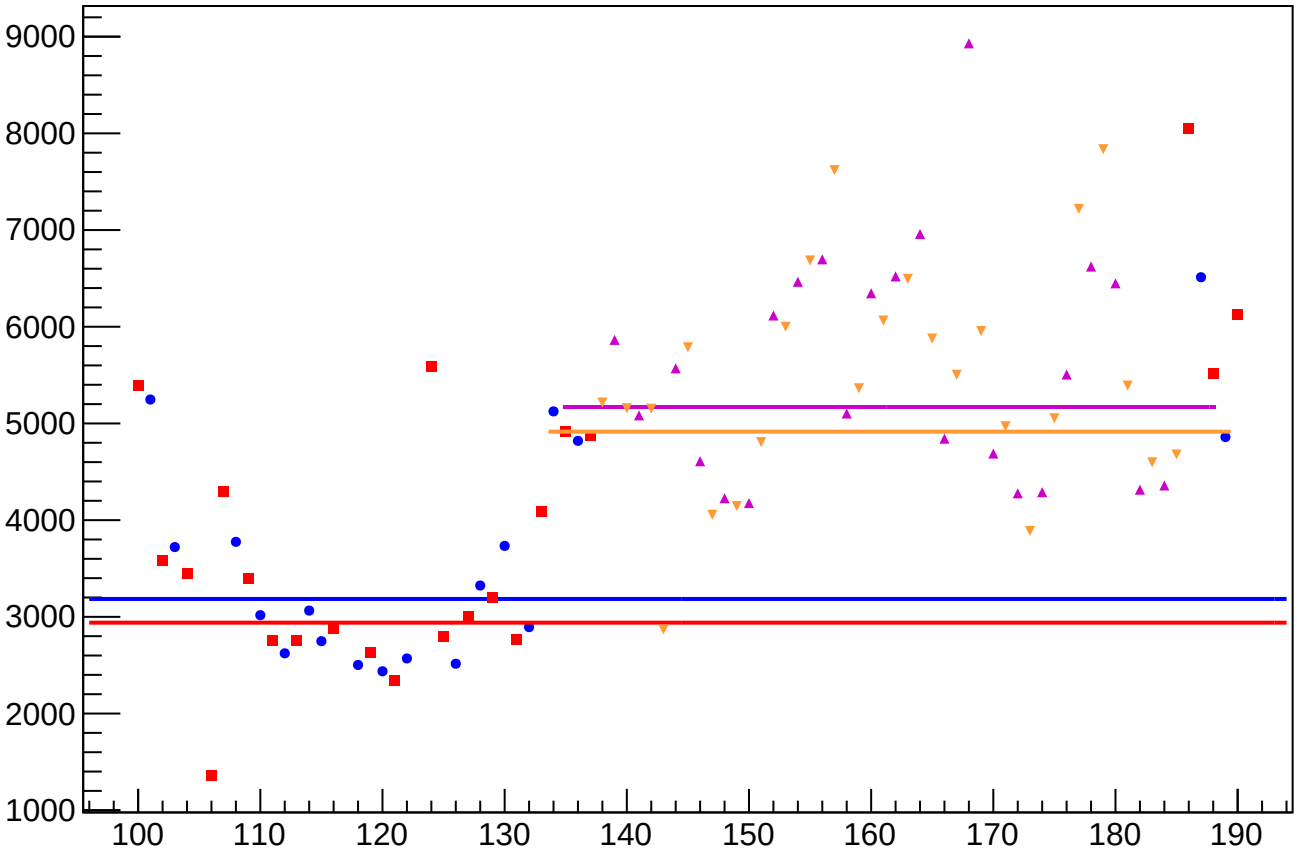
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -146.359+/-780.103 χ^2/NDF: 45.9/39

In: -311.993+/-851.575 χ^2/NDF:29.2/40

Out: -533.067+/-774.164 χ^2/NDF:63.5/46

All: -433.033+/-572.833 χ^2/NDF: 92.8/87



Right In: 3184.814+/-0.832 χ^2/NDF: 1114056.6/17

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2939.826+/-0.737 χ^2/NDF: 2312628.3/21

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

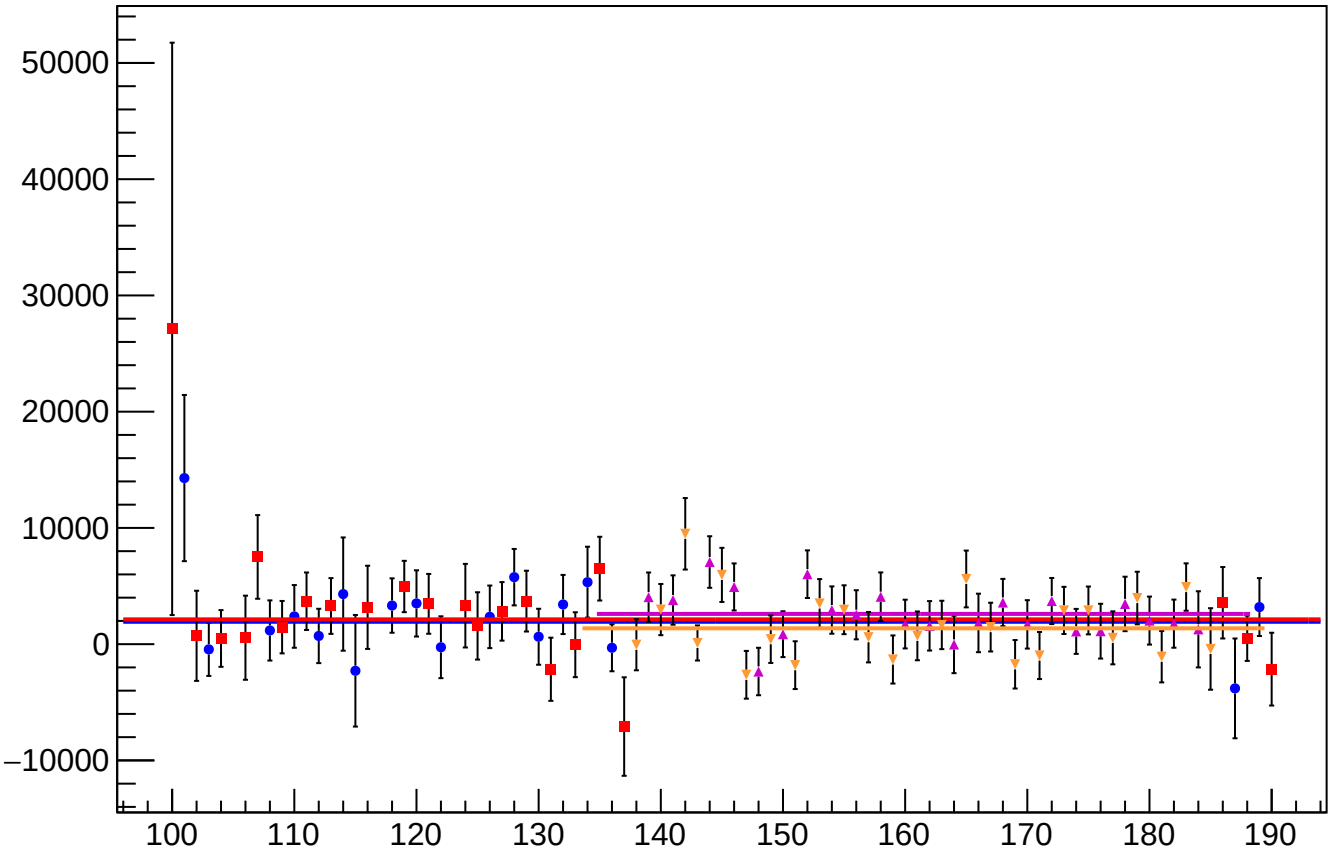
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3047.594+/-0.552 χ^2/NDF: 3475284.5/39

In: 4129.405+/-0.602 χ^2/NDF:5173716.9/40

Out: 3825.575+/-0.547 χ^2/NDF:7699696.4/46

All: 3963.056+/-0.405 χ^2/NDF: 13012805.2/8



Right In: 1927.057+/-643.316 χ^2/NDF: 14.5/17

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2134.605+/-599.347 χ^2/NDF: 20.5/21

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

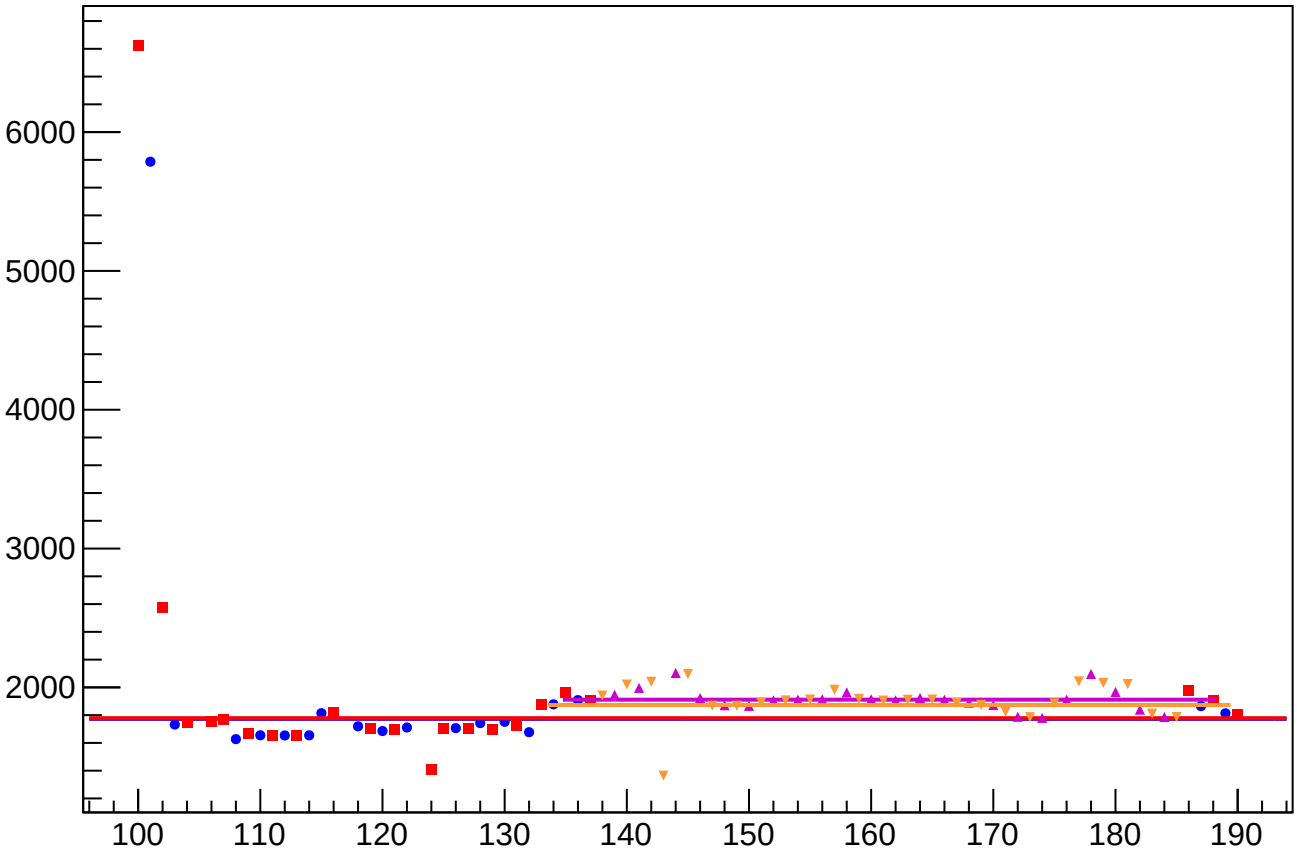
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2038.165+/-438.523 χ^2/NDF: 35.0/39

In: 2382.973+/-366.942 χ^2/NDF:35.3/40

Out: 1623.640+/-347.947 χ^2/NDF:57.7/46

All: 1983.145+/-252.484 χ^2/NDF: 95.2/87



Right In: 1773.639+/-0.455 χ^2/NDF: 668898.9/17

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1777.879+/-0.423 χ^2/NDF: 238586.4/21

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

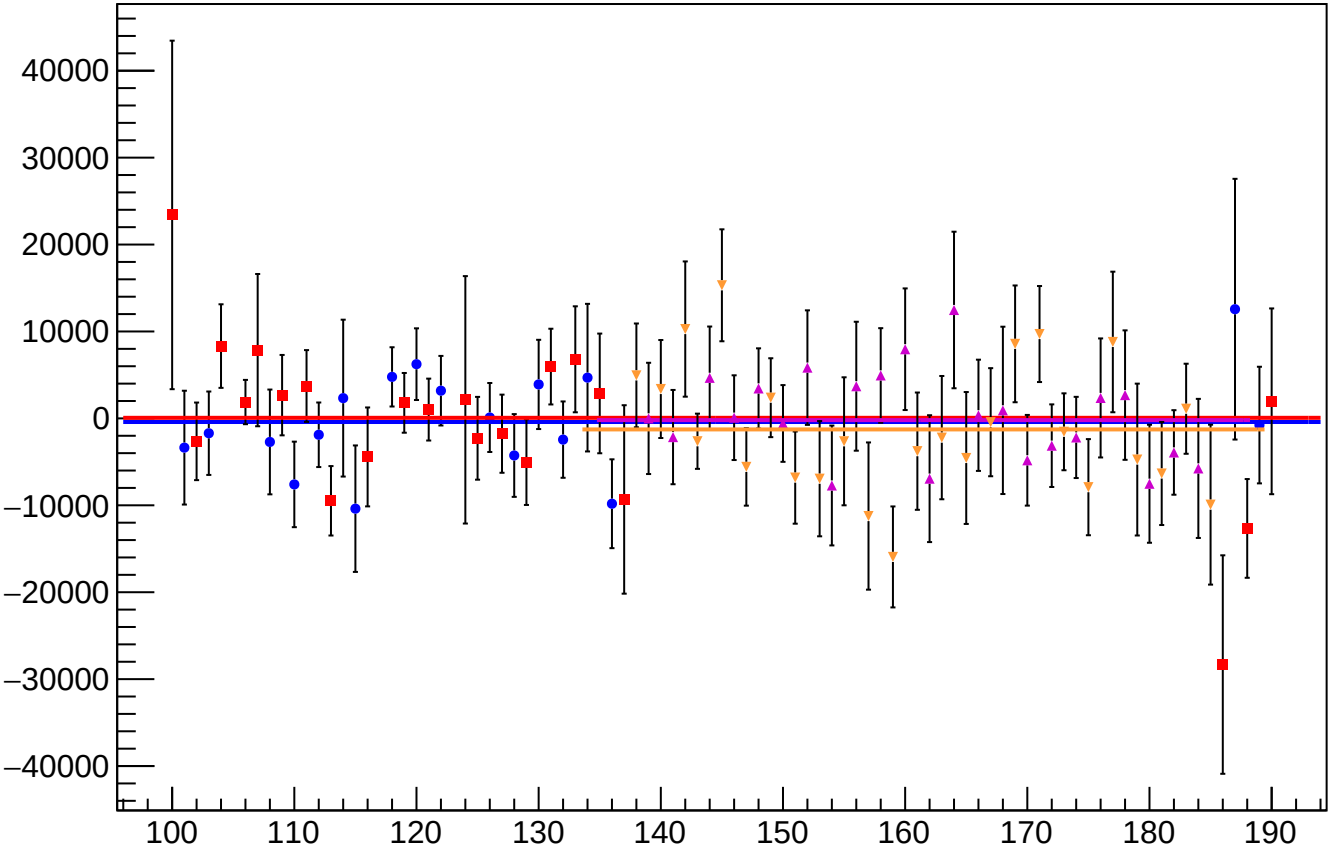
Right: 1775.913+/-0.310 χ^2/NDF: 907531.9/39

In: 1866.596+/-0.259 χ^2/NDF:789938.4/40

Out: 1840.965+/-0.246 χ^2/NDF:581945.6/46

All: 1853.091+/-0.178 χ^2/NDF: 1377025.9/87

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -416.444+/-1176.193 χ^2/NDF: 16.5/17

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 65.767+/-1042.350 χ^2/NDF: 29.3/21

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

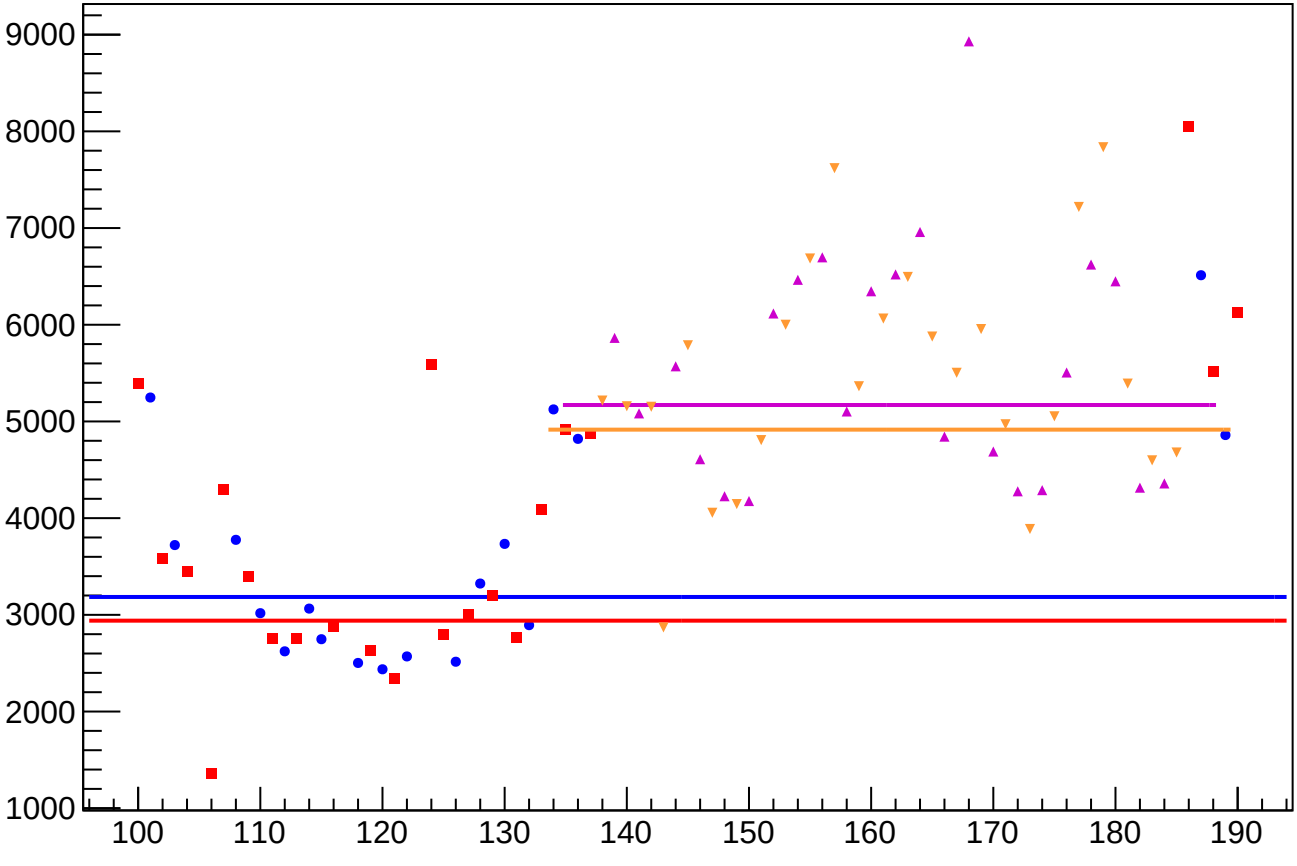
Right: -146.352+/-780.100 χ^2/NDF: 45.9/39

In: -311.991+/-851.574 χ^2/NDF:29.2/40

Out: -533.063+/-774.163 χ^2/NDF:63.5/46

All: -433.030+/-572.833 χ^2/NDF: 92.8/87

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3184.803+/-0.832 χ^2/NDF: 1114069.0/17

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2939.813+/-0.737 χ^2/NDF: 2312654.9/21

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

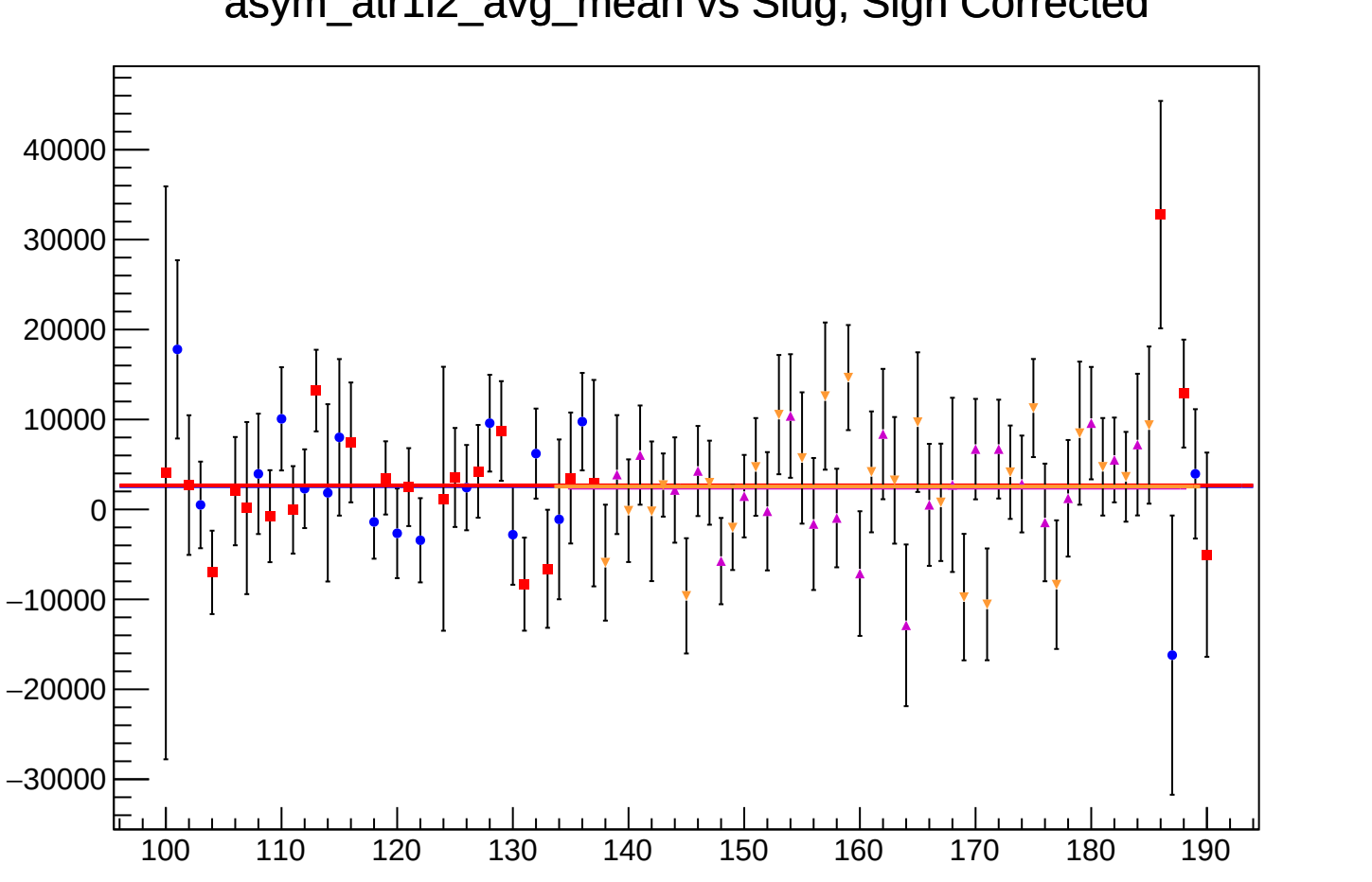
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3047.581+/-0.552 χ^2/NDF: 3475324.6/39

In: 4129.399+/-0.602 χ^2/NDF:5173786.6/40

Out: 3825.565+/-0.547 χ^2/NDF:7699800.5/46

All: 3963.047+/-0.405 χ^2/NDF: 13012981.9/8



Right In: 2587.323+/-1350.049 χ^2/NDF: 15.0/17

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 2677.775+/-1286.089 χ^2/NDF: 28.0/21

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

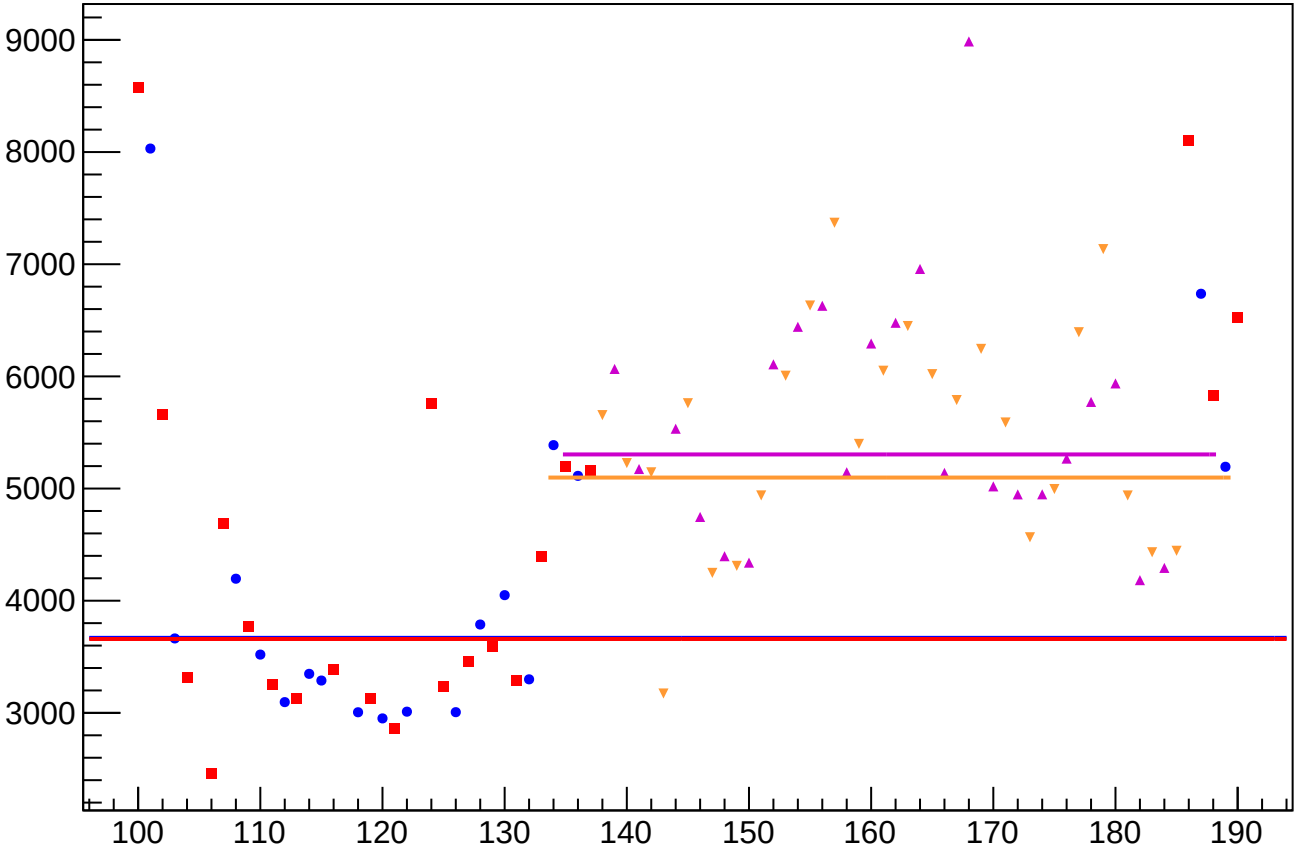
Right: 2634.743+/-931.193 χ^2/NDF: 43.0/39

In: 2499.485+/-921.010 χ^2/NDF:30.0/40

Out: 2607.232+/-872.530 χ^2/NDF:57.1/46

All: 2556.269+/-633.418 χ^2/NDF: 87.1/87

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3668.834+/-0.955 χ^2/NDF: 1020099.8/17

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3658.801+/-0.897 χ^2/NDF: 1344901.2/21

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

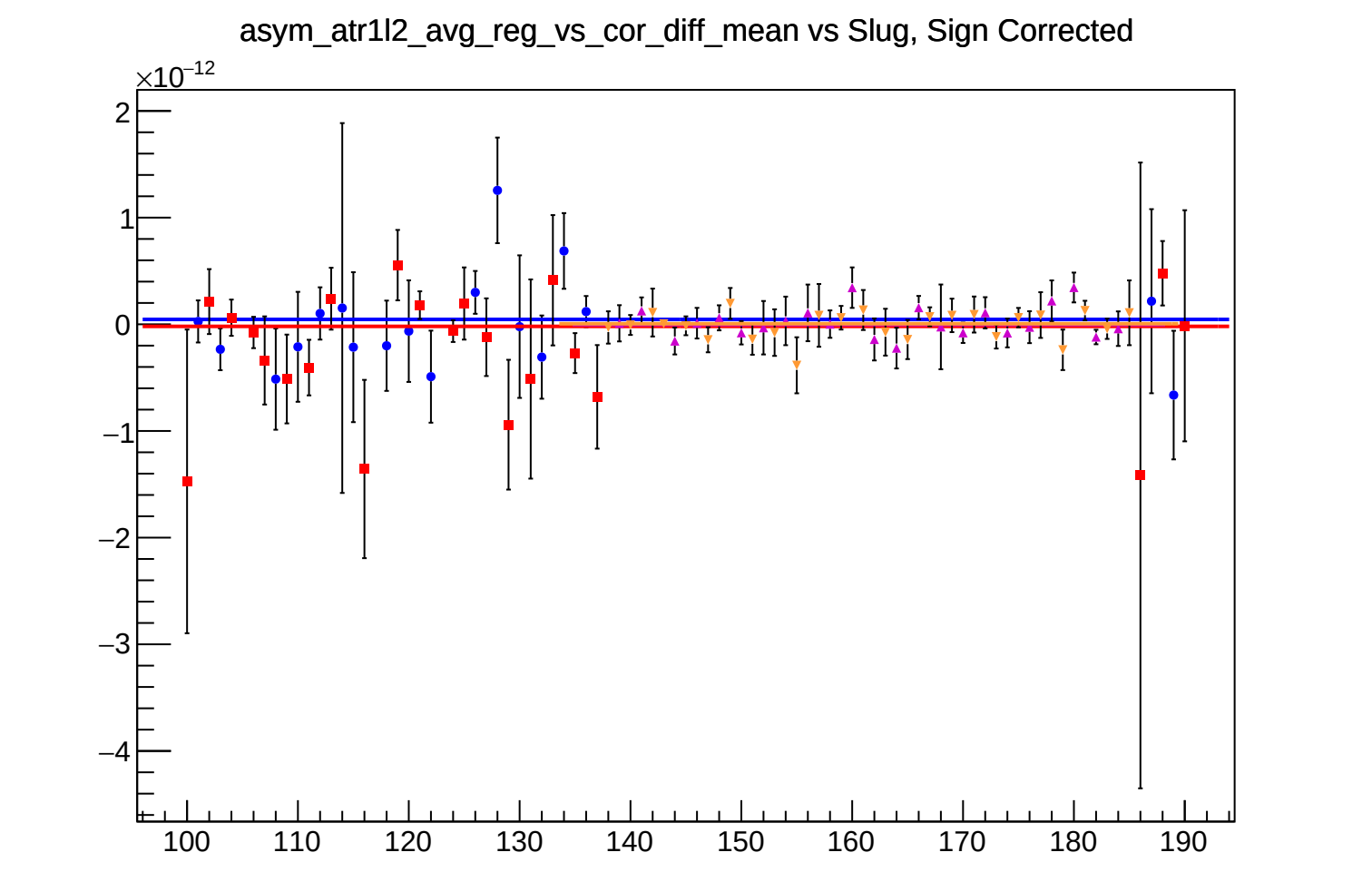
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

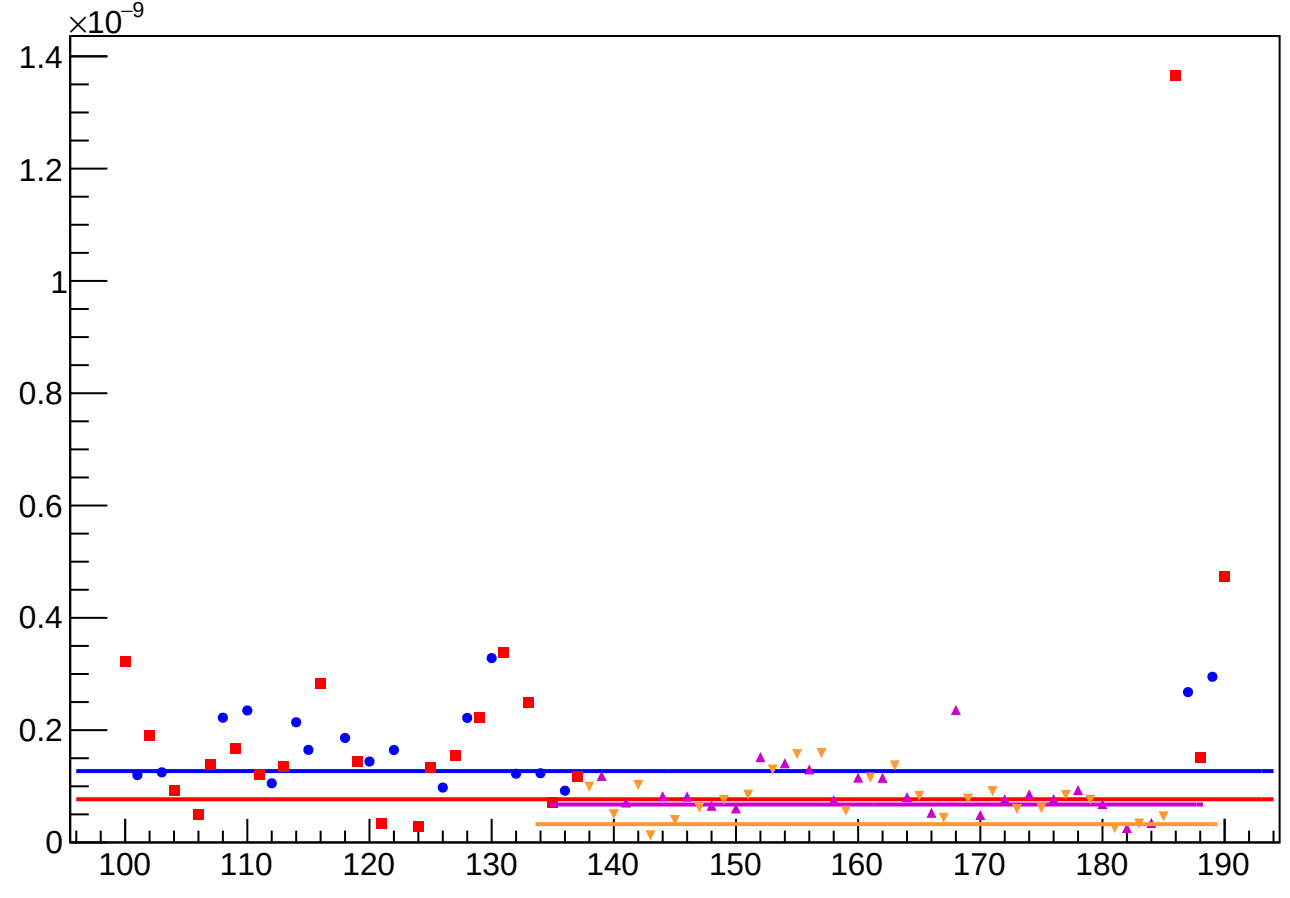
Right: 3663.503+/-0.654 χ^2/NDF: 2365059.6/39

In: 4543.078+/-0.651 χ^2/NDF:3606893.6/40

Out: 4425.360+/-0.613 χ^2/NDF:4261870.3/46

All: 4480.652+/-0.446 χ^2/NDF: 7886090.7/87


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.2/17
Left Out: 0.000+/-0.000 χ²/NDF:15.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/21
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 38.2/47
Right: 0.000+/-0.000 χ²/NDF: 45.0/39
In: 0.000+/-0.000 χ²/NDF:42.5/40
Out: 0.000+/-0.000 χ²/NDF:40.7/46
All: 0.000+/-0.000 χ²/NDF: 83.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 875165.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2975429.0/21

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

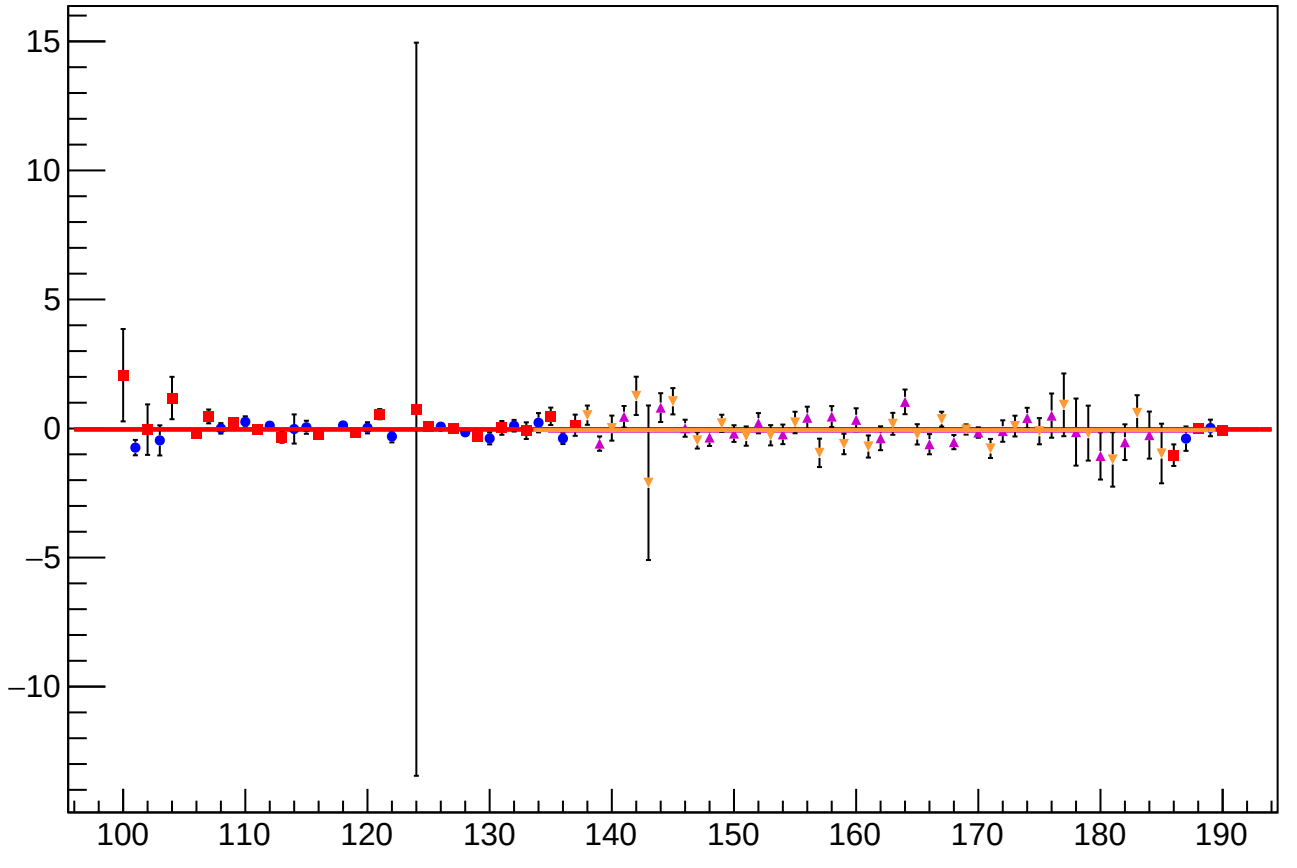
Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4481570.0/39

In: 0.000+/-0.000 χ^2/NDF:4495420.4/40

Out: 0.000+/-0.000 χ^2/NDF:10392241.0/46

All: 0.000+/-0.000 χ^2/NDF: 17956202.1/87



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.022+/-0.045 χ^2/NDF: 34.9/21

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

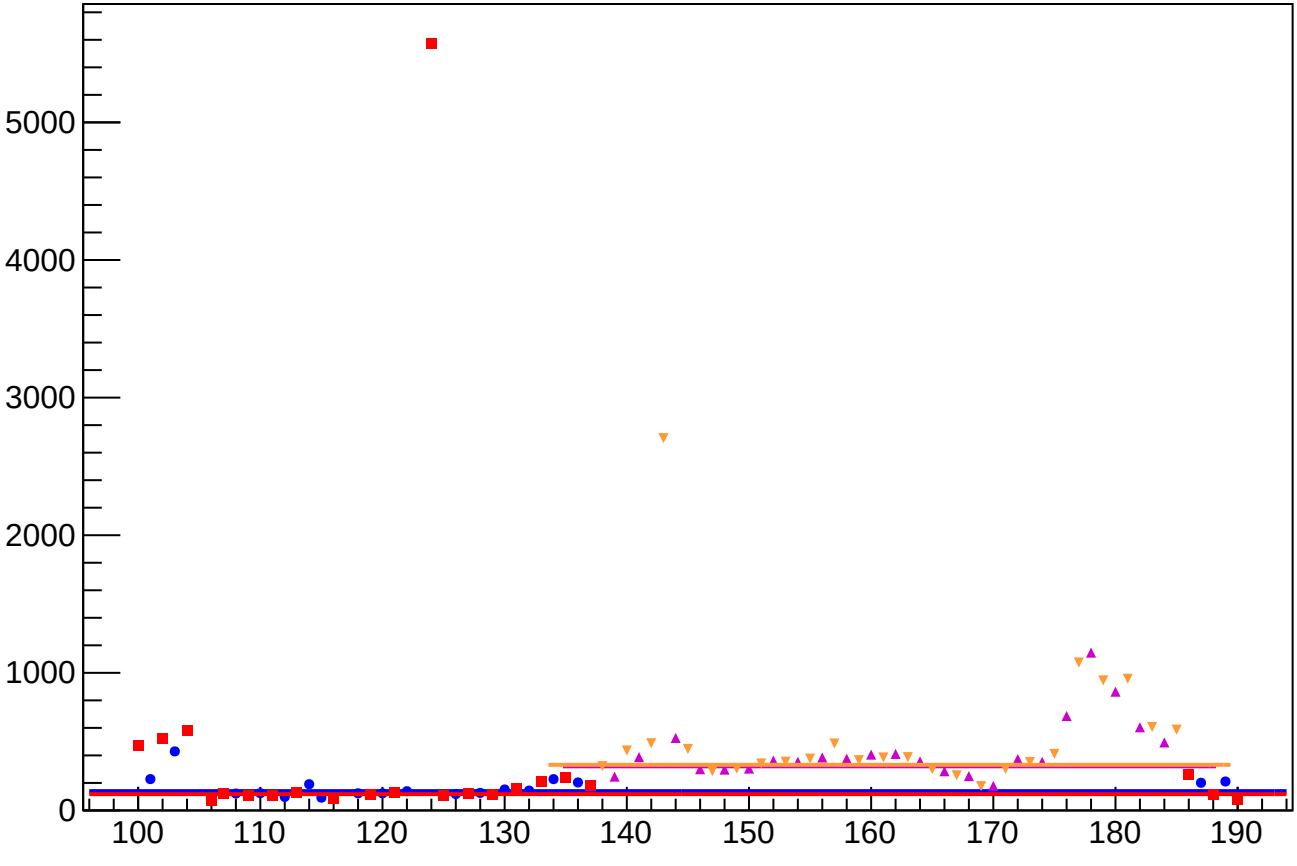
Right: -0.030+/-0.035 χ^2/NDF: 53.5/39

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.031+/-0.040 χ^2/NDF:65.8/46

All: -0.042+/-0.030 χ^2/NDF: 111.7/87

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.357+/-0.039 χ^2/NDF: 1401794.9/17

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 118.525+/-0.032 χ^2/NDF: 2493676.2/21

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

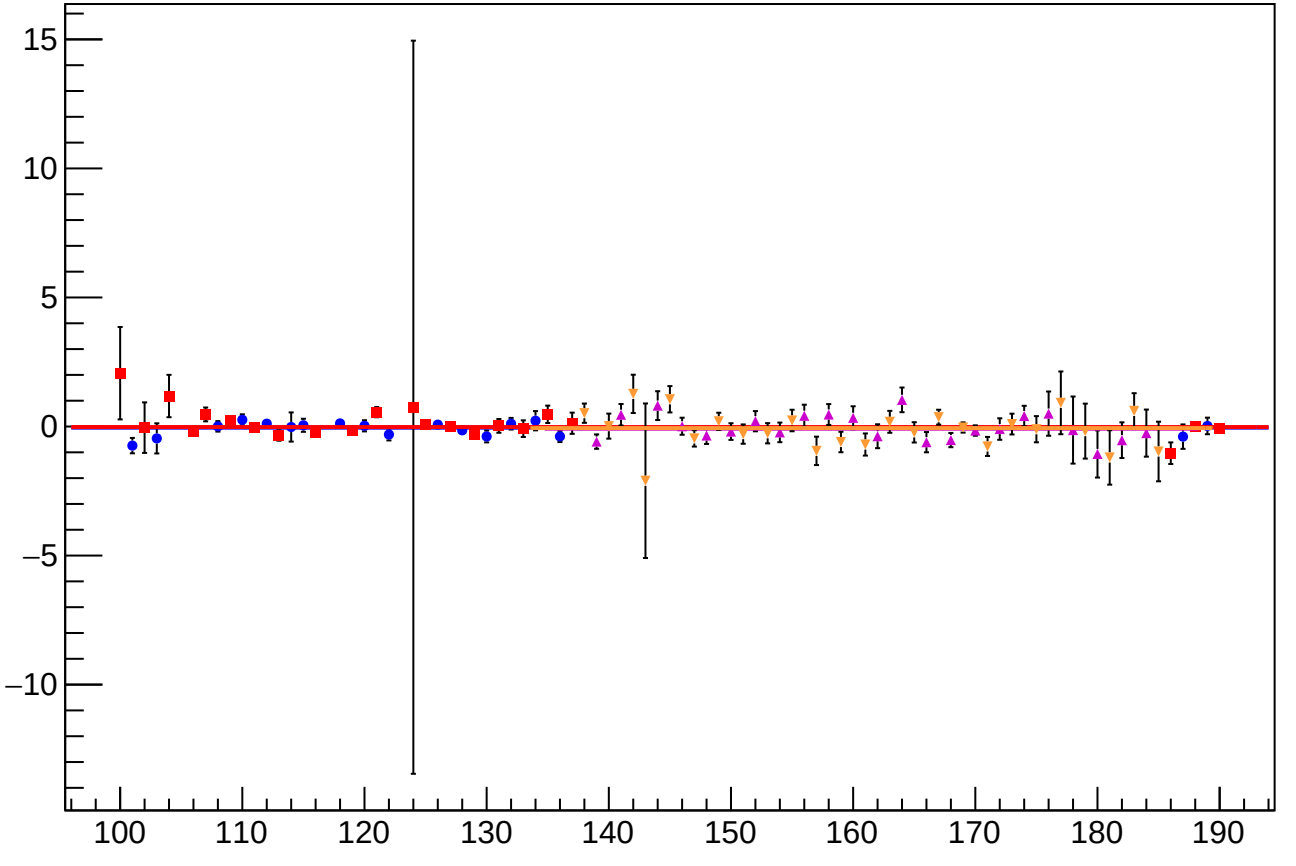
Right: 127.421+/-0.025 χ^2/NDF: 4084752.2/39

In: 196.617+/-0.032 χ^2/NDF:12451020.6/40

Out: 166.819+/-0.028 χ^2/NDF:18362621.2/46

All: 179.809+/-0.021 χ^2/NDF: 31301391.7/87

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.022+/-0.045 χ^2/NDF: 34.9/21

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

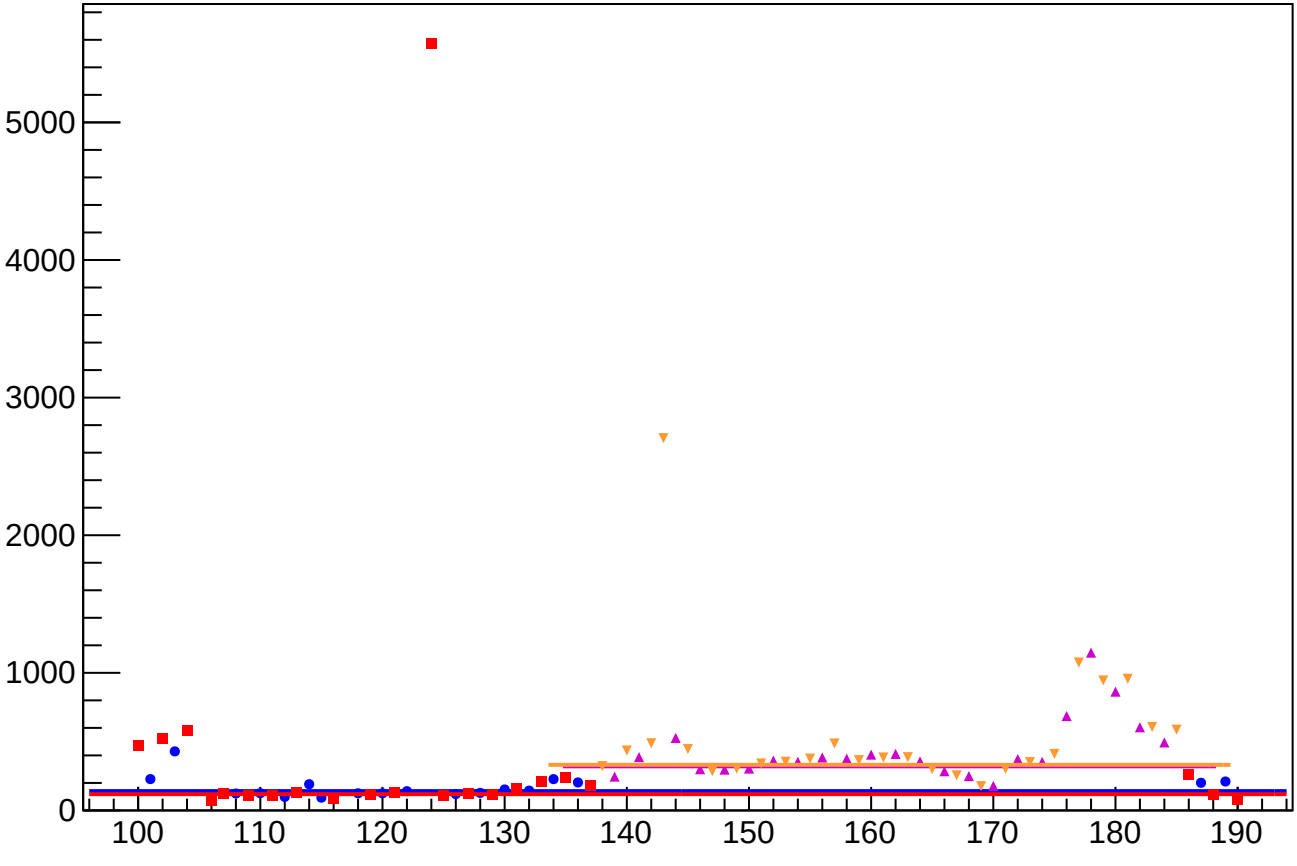
Right: -0.030+/-0.035 χ^2/NDF: 53.5/39

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.031+/-0.040 χ^2/NDF:65.8/46

All: -0.042+/-0.030 χ^2/NDF: 111.7/87

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.357+/-0.039 χ^2/NDF: 1401794.9/17

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 118.525+/-0.032 χ^2/NDF: 2493676.2/21

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

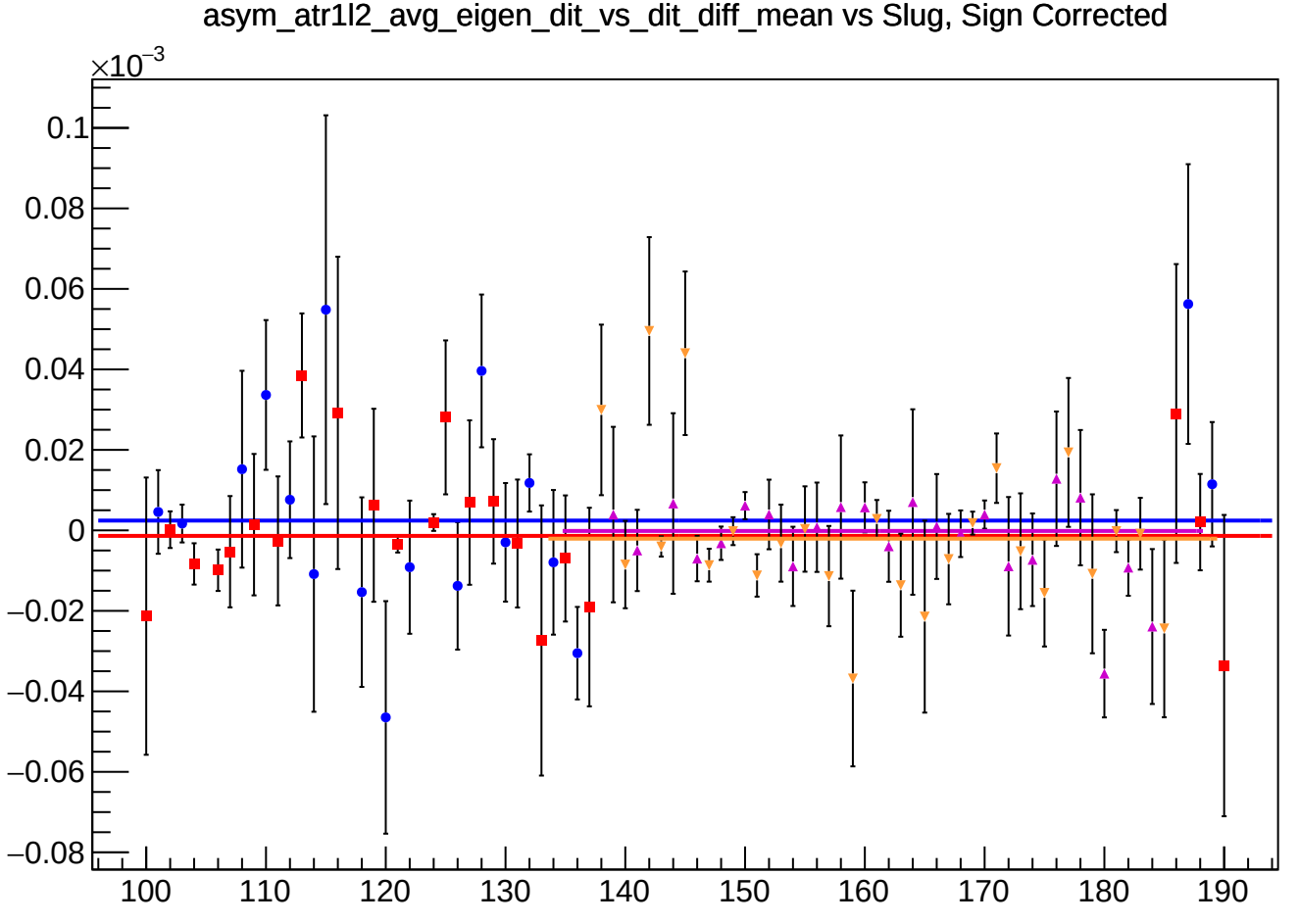
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

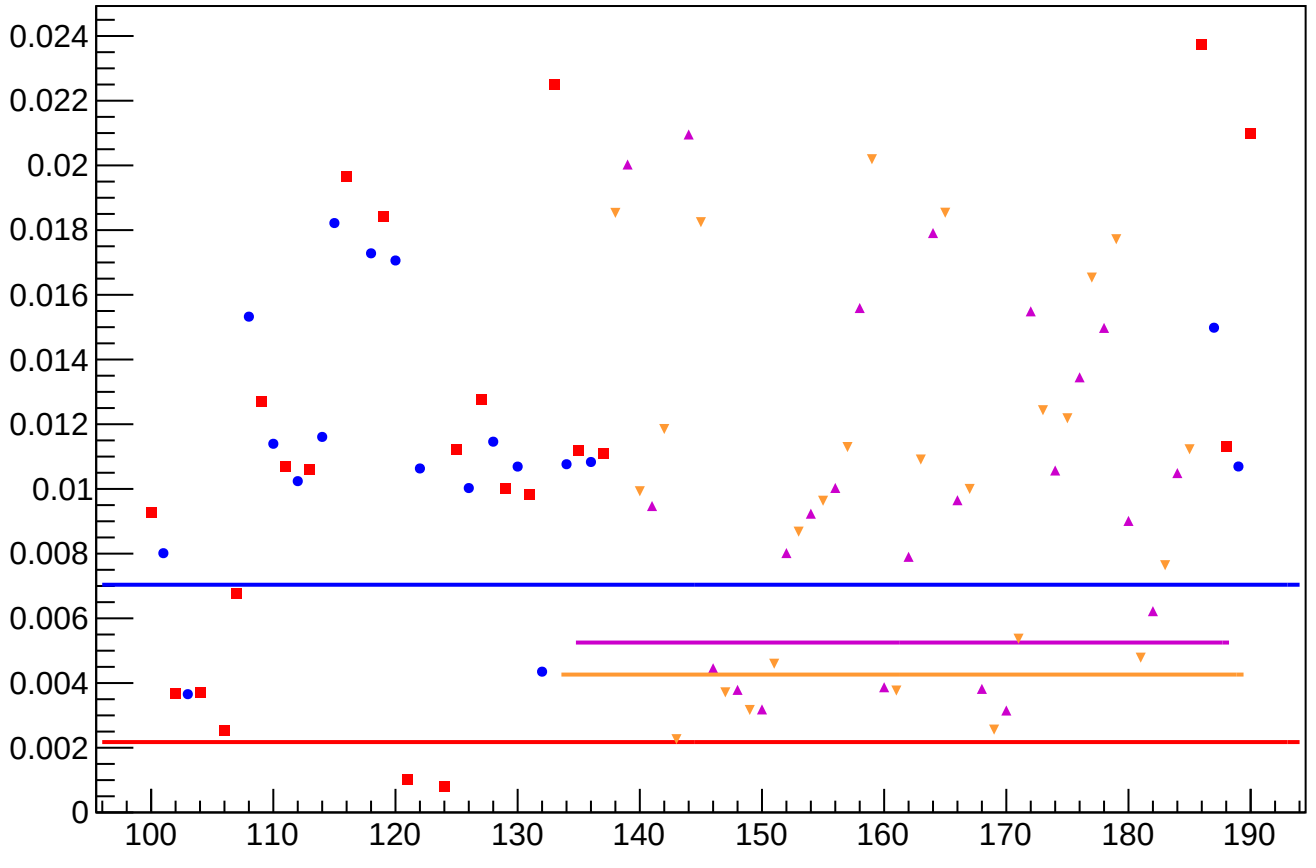
Right: 127.421+/-0.025 χ^2/NDF: 4084752.2/39

In: 196.617+/-0.032 χ^2/NDF:12451020.6/40

Out: 166.819+/-0.028 χ^2/NDF:18362621.2/46

All: 179.809+/-0.021 χ^2/NDF: 31301391.7/87


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 26.6/17
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.8/21
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 49.8/39
In: 0.000+/-0.000 χ²/NDF:52.1/40
Out: -0.000+/-0.000 χ²/NDF:56.7/46
All: -0.000+/-0.000 χ²/NDF: 110.5/87



Right In: 0.007+/-0.000 χ^2/NDF: 3455050.6/17

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11382241.0/21

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

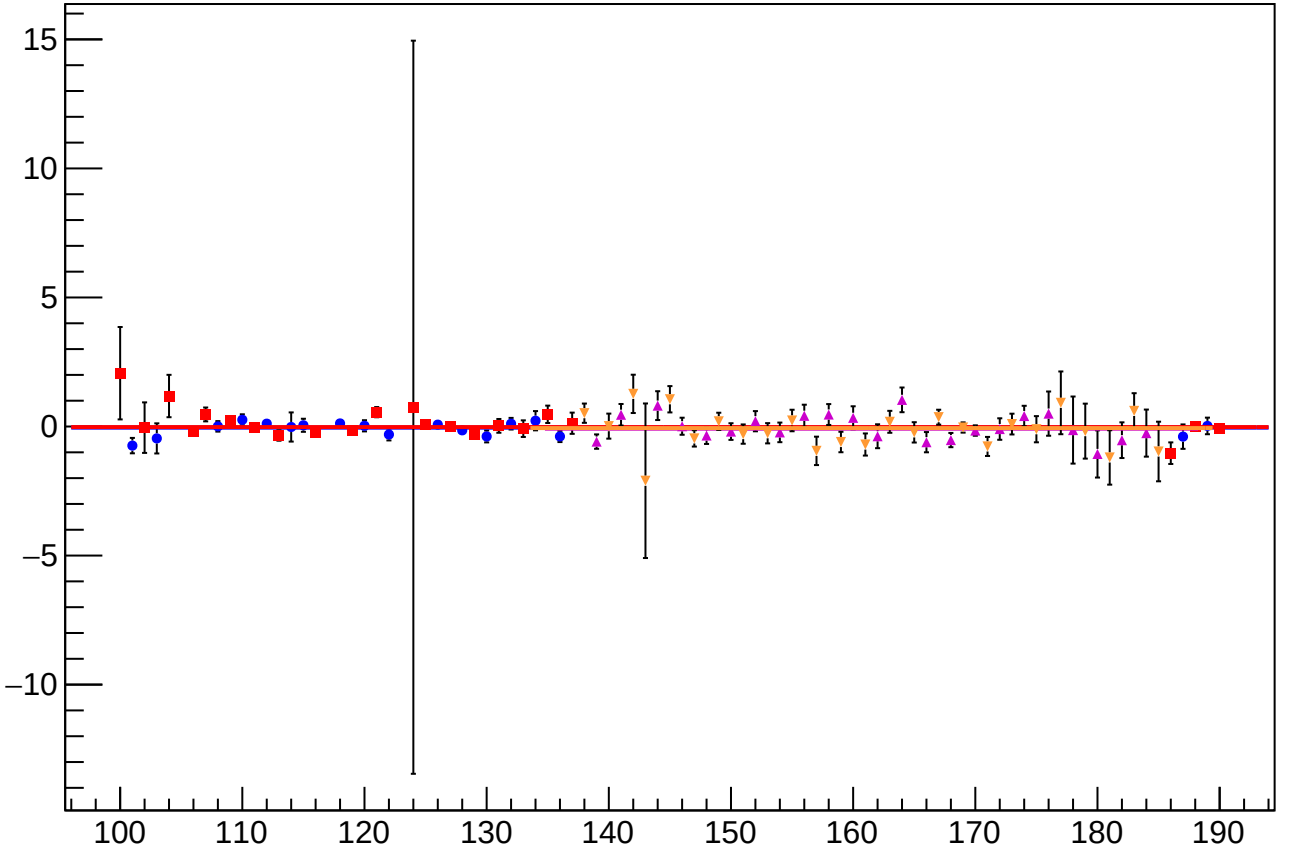
Right: 0.003+/-0.000 χ^2/NDF: 19572152.3/39

In: 0.006+/-0.000 χ^2/NDF:13581050.4/40

Out: 0.003+/-0.000 χ^2/NDF:27151221.2/46

All: 0.004+/-0.000 χ^2/NDF: 45237670.9/87

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.022+/-0.045 χ^2/NDF: 34.9/21

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

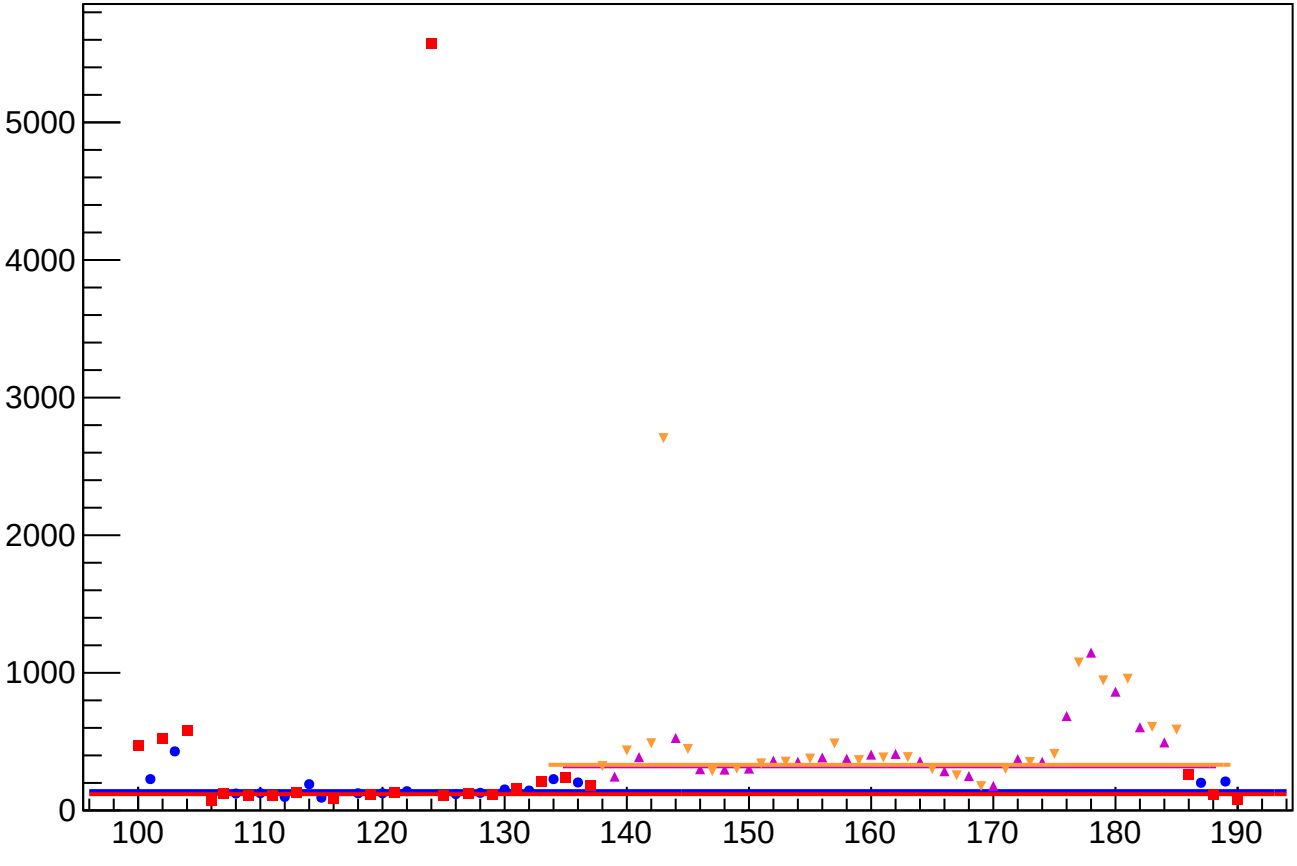
Right: -0.030+/-0.035 χ^2/NDF: 53.5/39

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.031+/-0.040 χ^2/NDF:65.8/46

All: -0.042+/-0.030 χ^2/NDF: 111.7/87

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 118.524+/-0.032 χ^2/NDF: 2493600.1/21

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

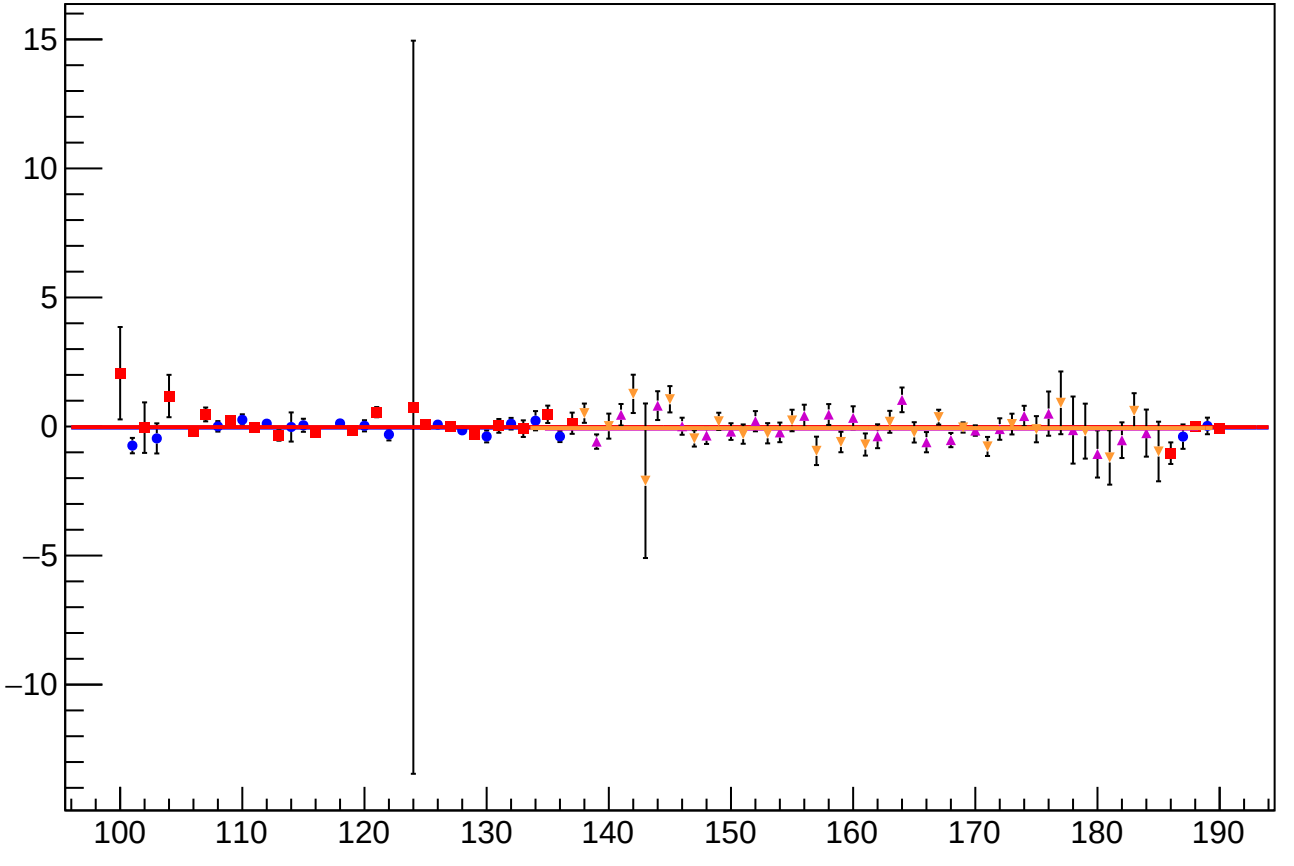
Right: 127.421+/-0.025 χ^2/NDF: 4084656.7/39

In: 196.618+/-0.032 χ^2/NDF:12451001.3/40

Out: 166.818+/-0.028 χ^2/NDF:18362746.7/46

All: 179.809+/-0.021 χ^2/NDF: 31301562.6/87

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.022+/-0.045 χ^2/NDF: 34.9/21

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

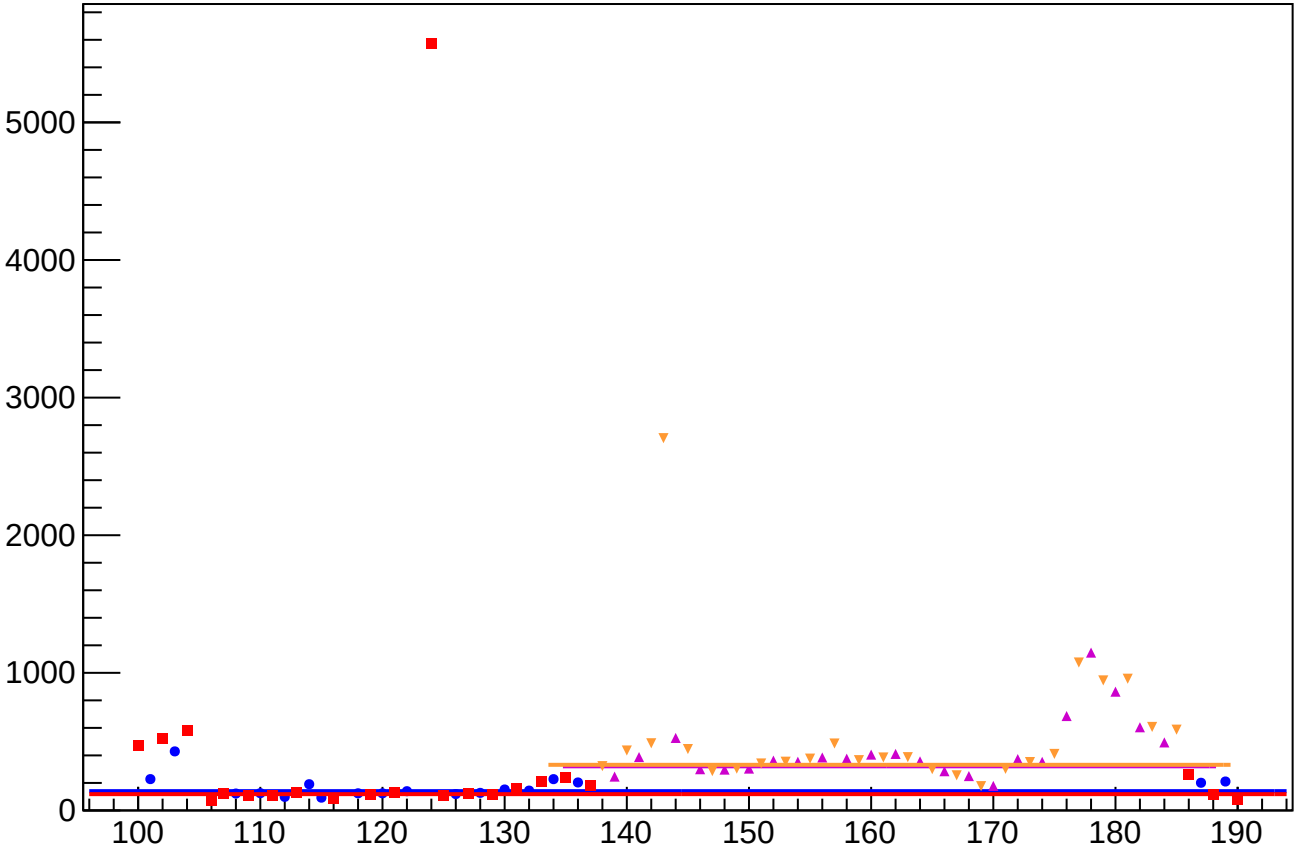
Right: -0.030+/-0.035 χ^2/NDF: 53.5/39

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.031+/-0.040 χ^2/NDF:65.8/46

All: -0.042+/-0.030 χ^2/NDF: 111.7/87

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 118.524+/-0.032 χ^2/NDF: 2493600.1/21

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

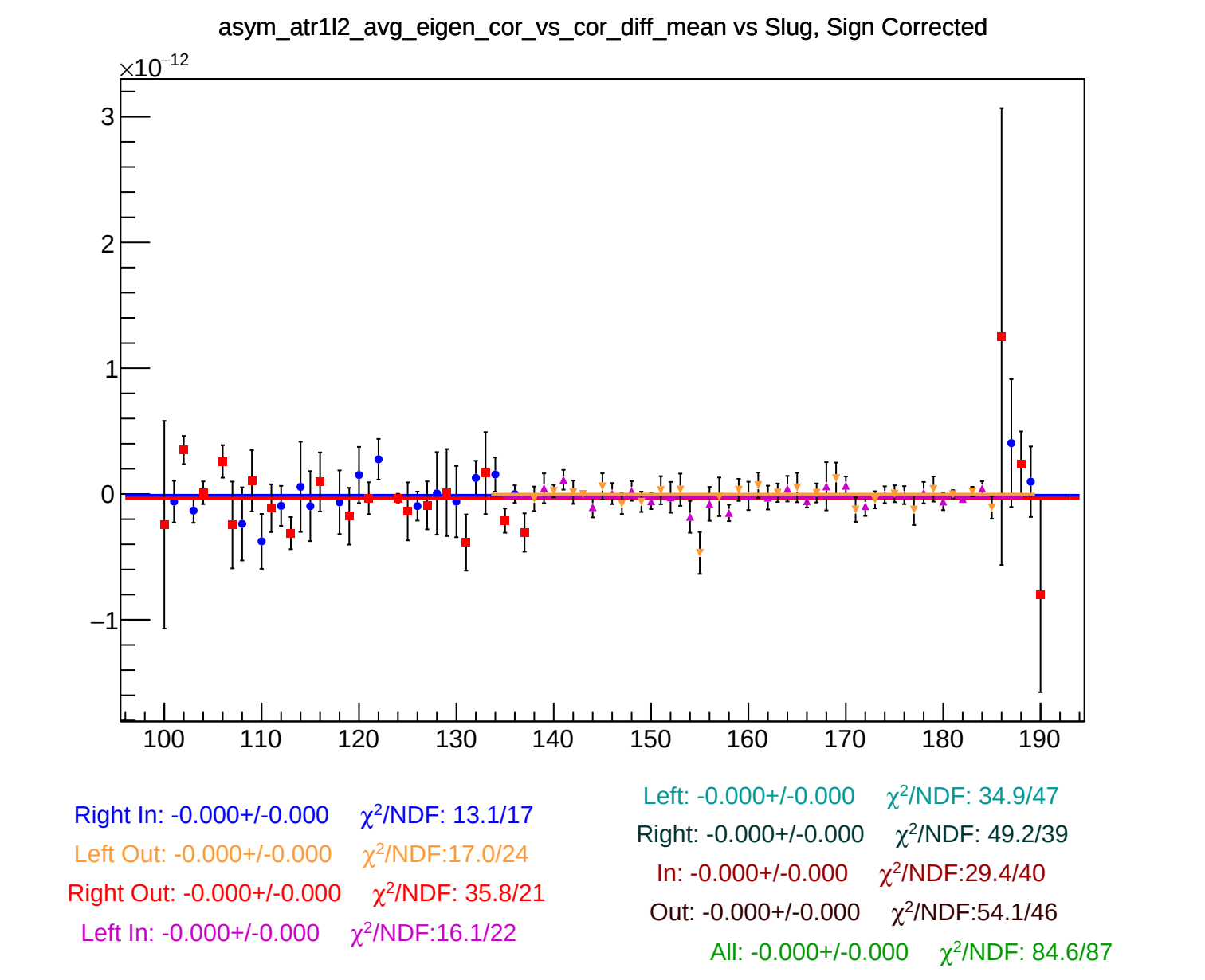
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 127.421+/-0.025 χ^2/NDF: 4084656.7/39

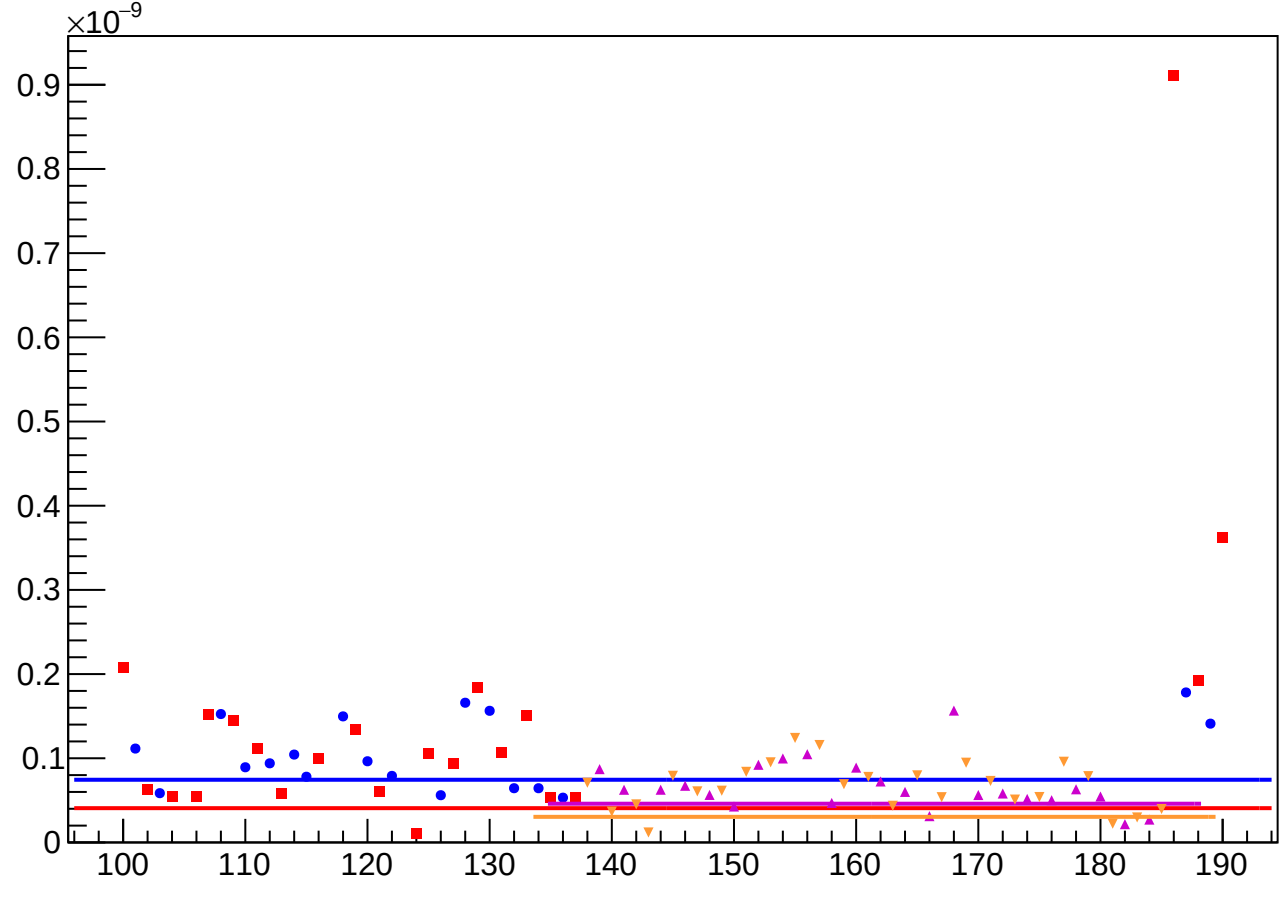
In: 196.618+/-0.032 χ^2/NDF:12451001.3/40

Out: 166.818+/-0.028 χ^2/NDF:18362746.7/46

All: 179.809+/-0.021 χ^2/NDF: 31301562.6/87


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.1/17
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.8/21
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: 49.2/39
In: -0.000+/-0.000 χ²/NDF:29.4/40
Out: -0.000+/-0.000 χ²/NDF:54.1/46
All: -0.000+/-0.000 χ²/NDF: 84.6/87

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1328924.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5780524.0/21

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

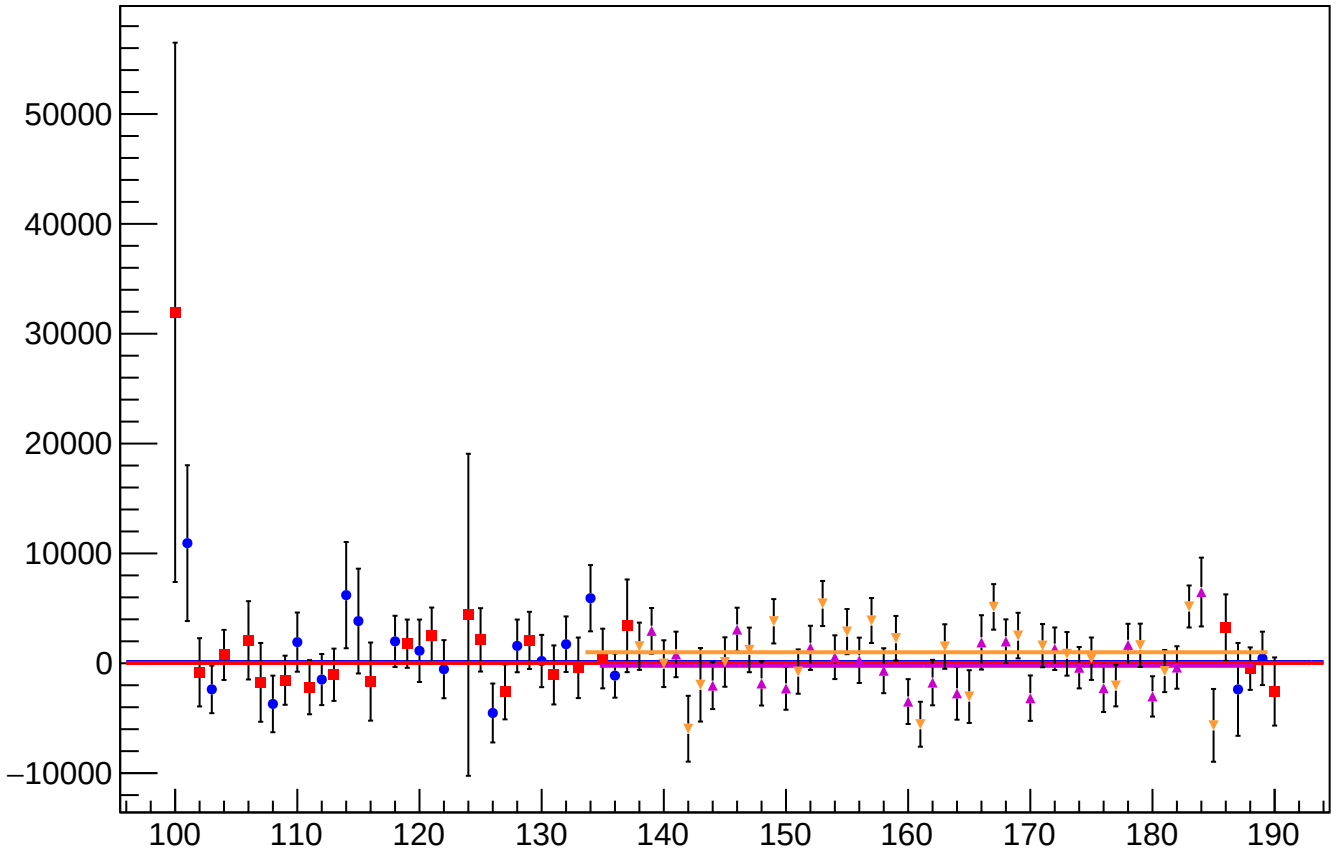
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8251564.7/39

In: 0.000+/-0.000 χ^2/NDF:7263932.2/40

Out: 0.000+/-0.000 χ^2/NDF:16579706.7/46

All: 0.000+/-0.000 χ^2/NDF: 26114886.2/87



Right In: 113.725+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 29.364+/-596.604 χ^2/NDF: 10.9/21

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

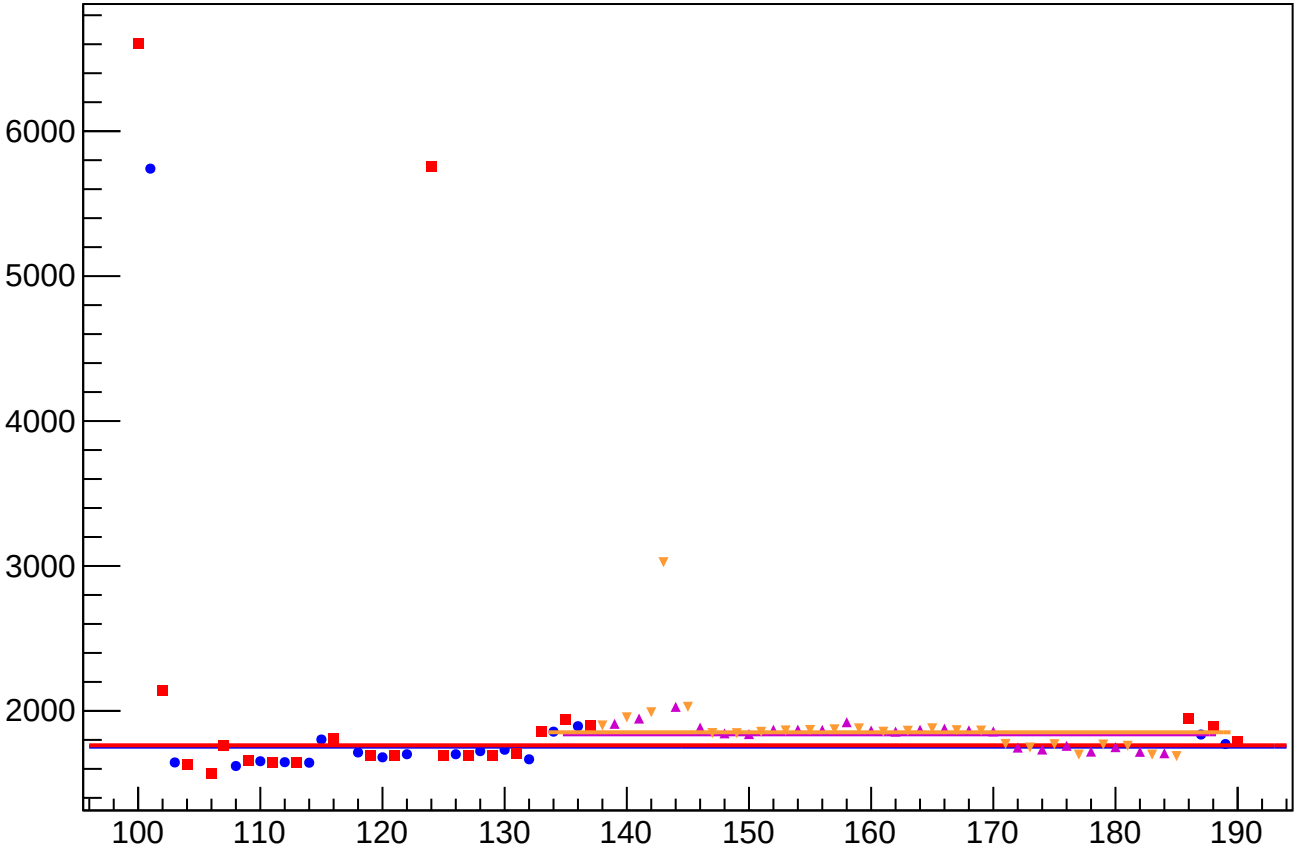
Right: 68.855+/-435.105 χ^2/NDF: 28.9/39

In: -121.794+/-356.041 χ^2/NDF:44.6/40

Out: 678.493+/-344.841 χ^2/NDF:60.0/46

All: 291.135+/-247.704 χ^2/NDF: 107.2/87

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1753.305+/-0.450 χ^2/NDF: 670524.3/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1762.678+/-0.419 χ^2/NDF: 323764.8/21

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

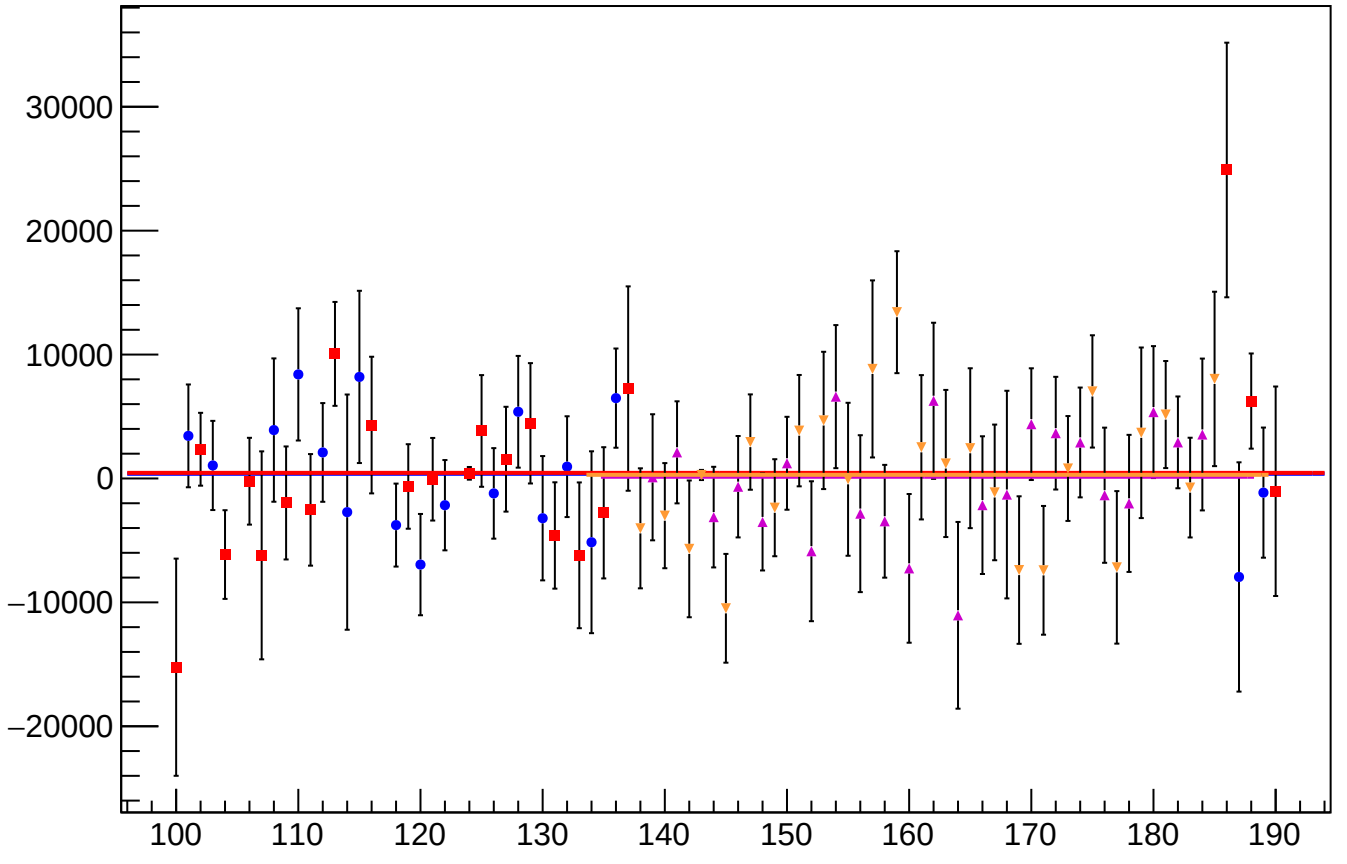
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1758.319+/-0.307 χ^2/NDF: 994521.5/39

In: 1811.815+/-0.252 χ^2/NDF:763661.9/40

Out: 1822.269+/-0.243 χ^2/NDF:675261.0/46

All: 1817.220+/-0.175 χ^2/NDF: 1439814.4/87



Right In: 377.560+/-1070.490 χ^2/NDF: 15.7/17

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 452.144+/-453.628 χ^2/NDF: 27.3/21

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

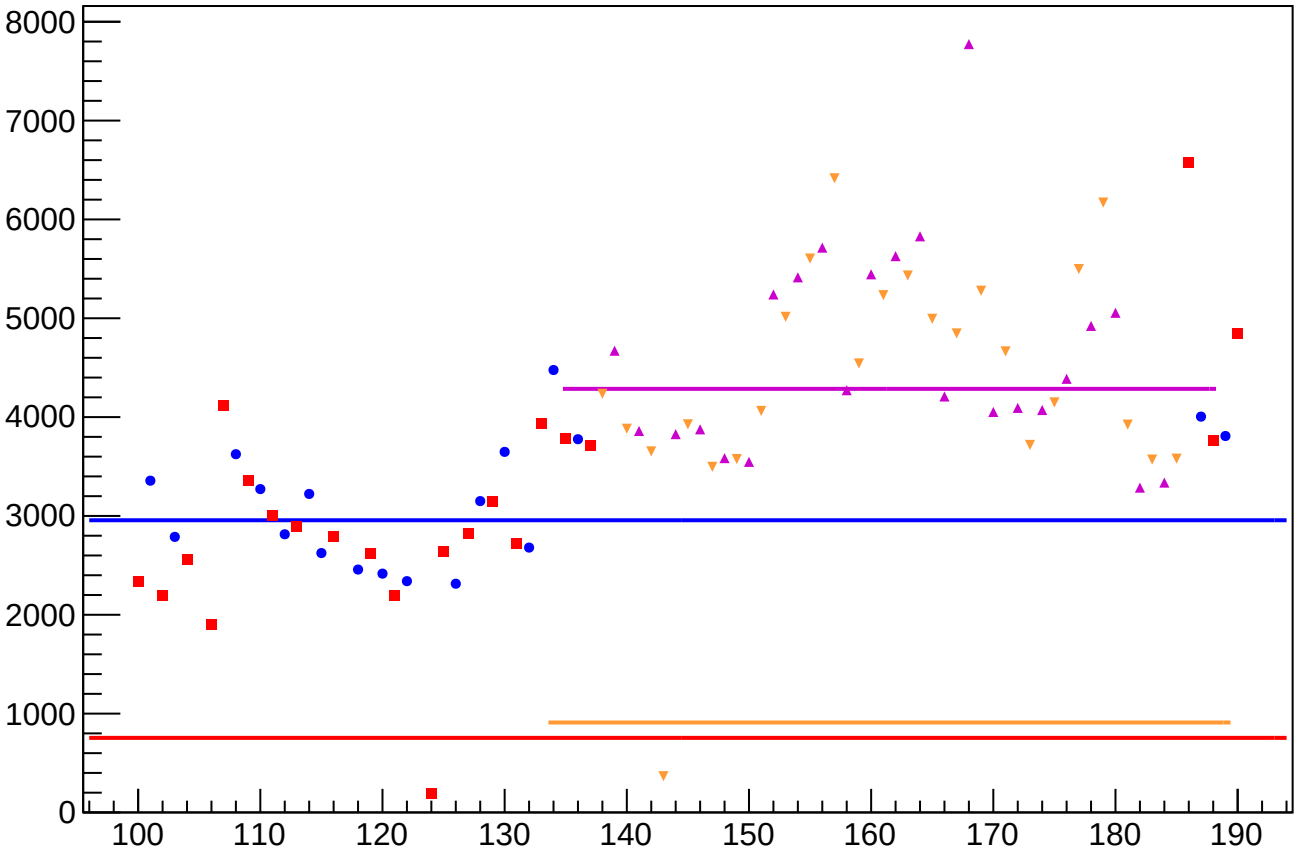
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 440.790+/-417.675 χ^2/NDF: 43.0/39

In: 252.525+/-739.568 χ^2/NDF:29.7/40

Out: 359.436+/-291.264 χ^2/NDF:57.4/46

All: 345.080+/-271.004 χ^2/NDF: 87.0/87



Right In: 2956.384+/-0.757 χ^2/NDF: 562657.4/17

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 754.638+/-0.321 χ^2/NDF: 12526730.5/21

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

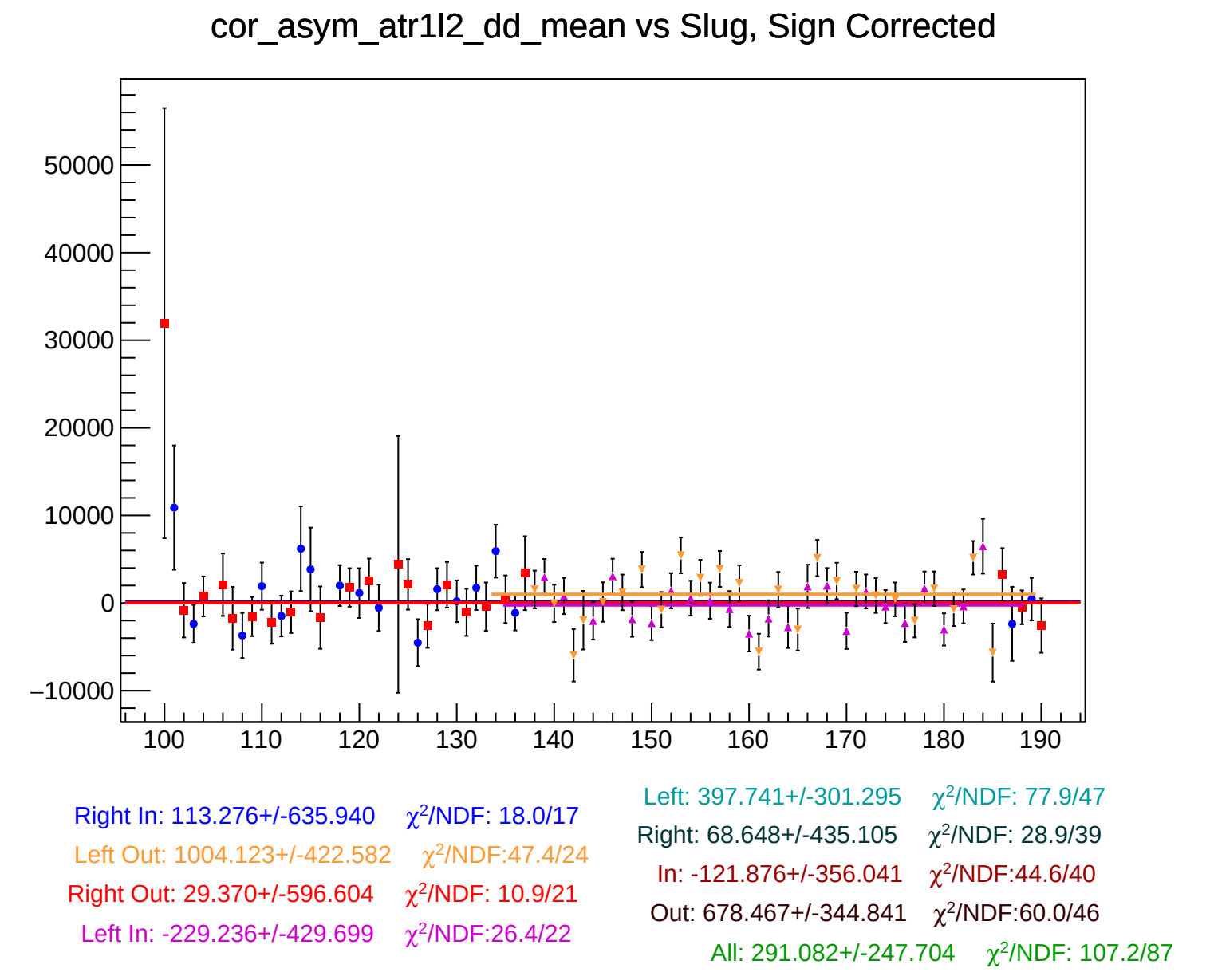
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

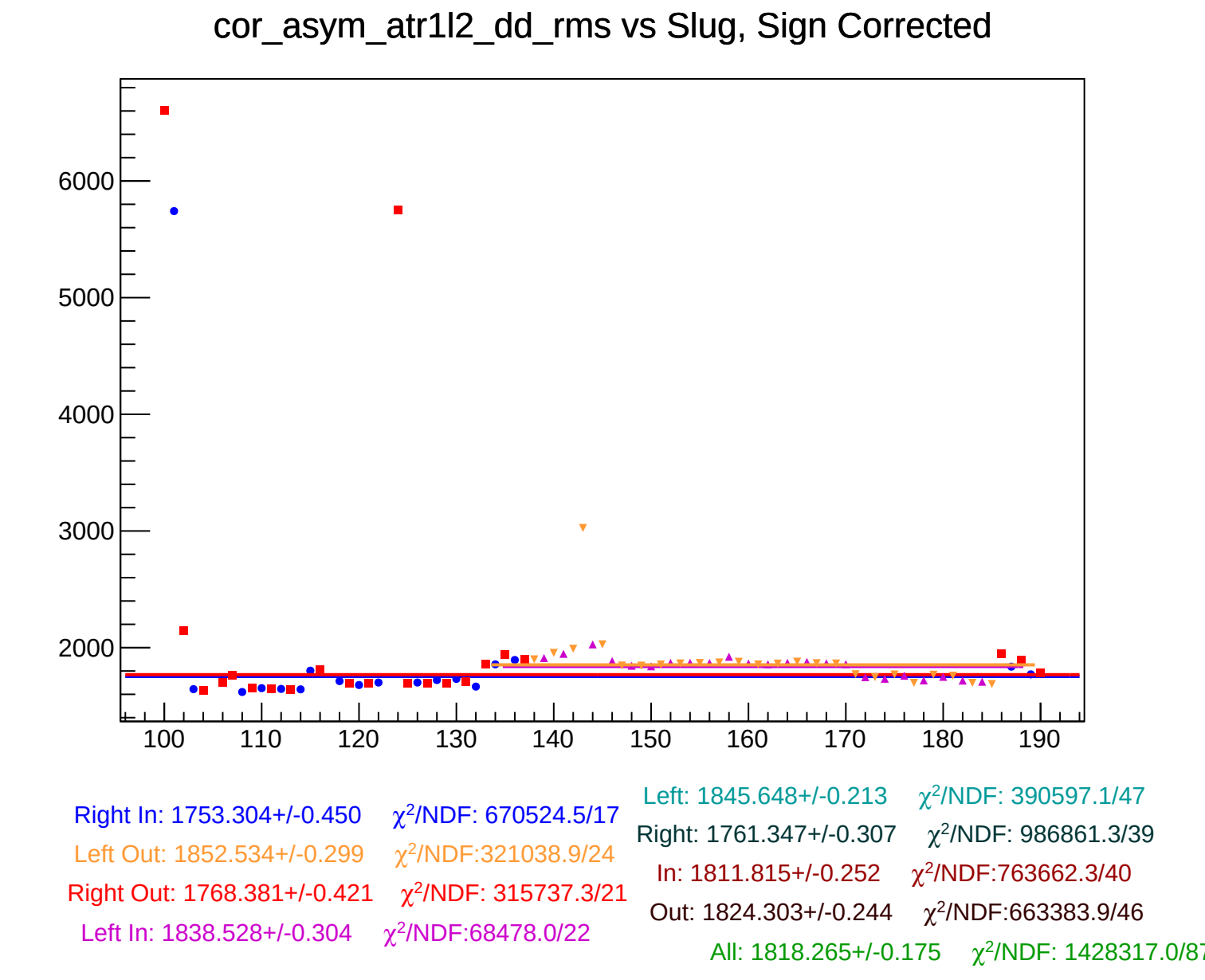
Right: 1089.818+/-0.295 χ^2/NDF: 20261966.3/39

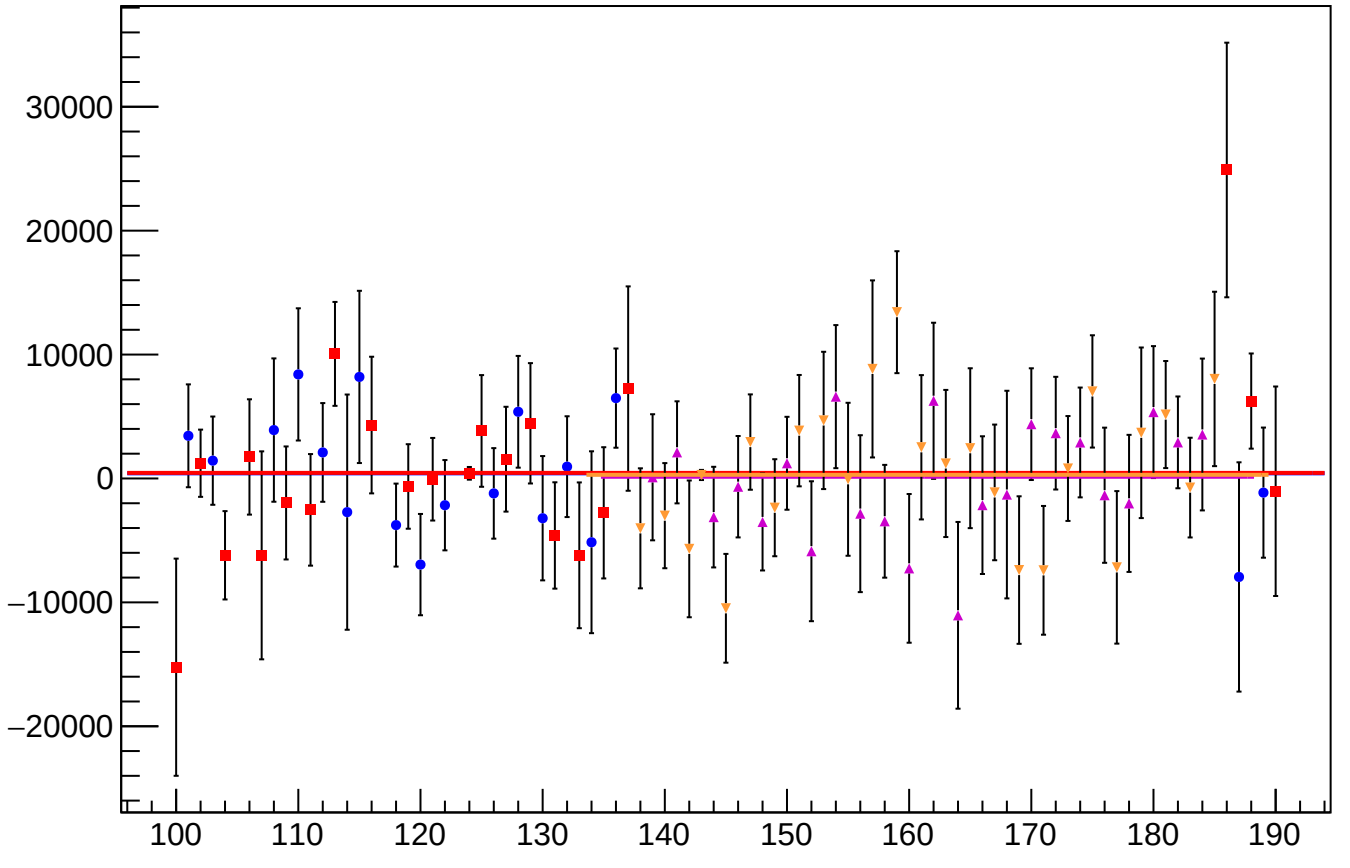
In: 3651.291+/-0.523 χ^2/NDF:3502977.6/40

Out: 846.030+/-0.206 χ^2/NDF:39438975.0/46

All: 1222.708+/-0.192 χ^2/NDF: 67853484.6/8


cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 113.276+/-635.940 χ²/NDF: 18.0/17
Left Out: 1004.123+/-422.582 χ²/NDF:47.4/24
Right Out: 29.370+/-596.604 χ²/NDF: 10.9/21
Left In: -229.236+/-429.699 χ²/NDF:26.4/22
Left: 397.741+/-301.295 χ²/NDF: 77.9/47
Right: 68.648+/-435.105 χ²/NDF: 28.9/39
In: -121.876+/-356.041 χ²/NDF:44.6/40
Out: 678.467+/-344.841 χ²/NDF:60.0/46
All: 291.082+/-247.704 χ²/NDF: 107.2/87


cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1753.304+/-0.450 χ²/NDF: 670524.5/17
Left Out: 1852.534+/-0.299 χ²/NDF:321038.9/24
Right Out: 1768.381+/-0.421 χ²/NDF: 315737.3/21
Left In: 1838.528+/-0.304 χ²/NDF:68478.0/22
Left: 1845.648+/-0.213 χ²/NDF: 390597.1/47
Right: 1761.347+/-0.307 χ²/NDF: 986861.3/39
In: 1811.815+/-0.252 χ²/NDF:763662.3/40
Out: 1824.303+/-0.244 χ²/NDF:663383.9/46
All: 1818.265+/-0.175 χ²/NDF: 1428317.0/87



Right In: 413.666+/-1069.536 χ^2/NDF: 15.8/17

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 450.282+/-454.517 χ^2/NDF: 27.1/21

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

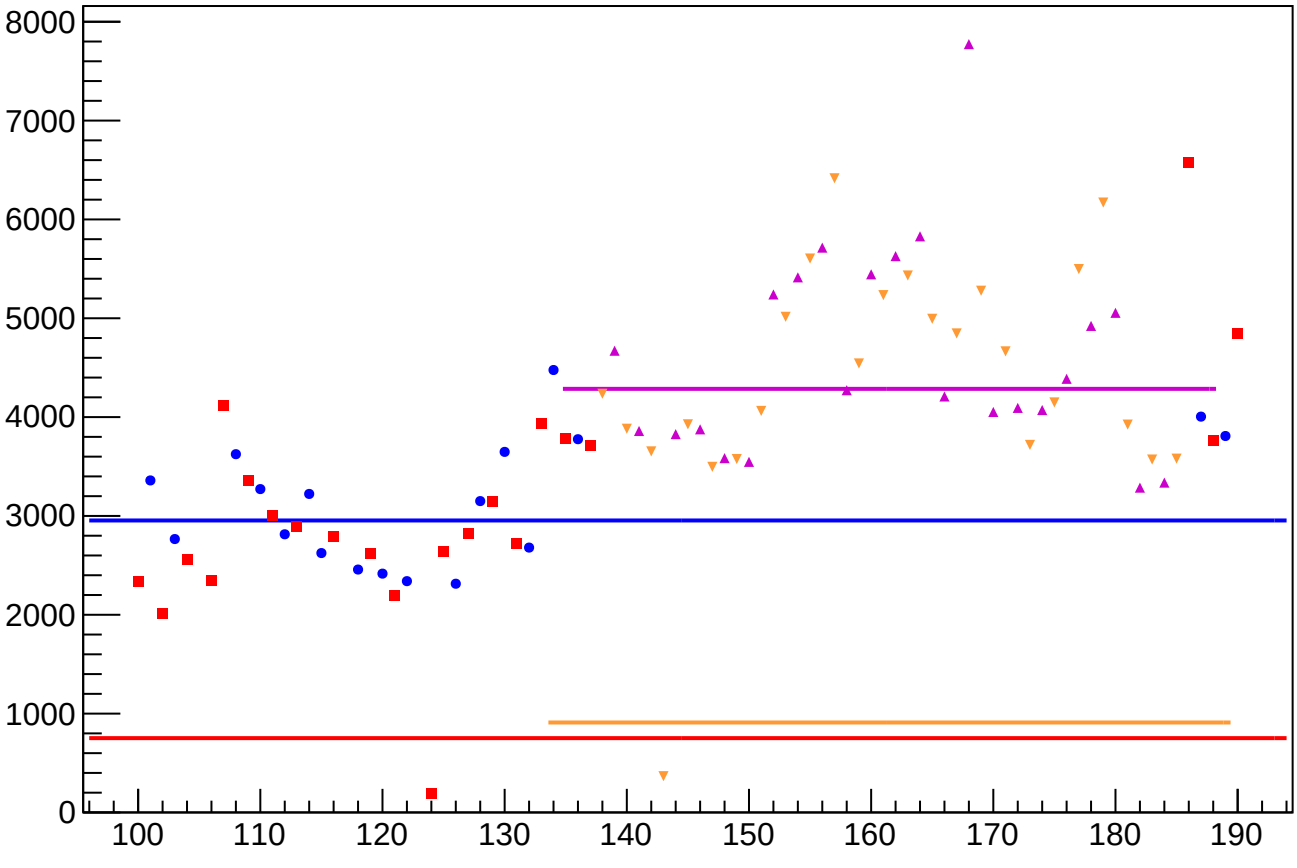
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 444.681+/-418.311 χ^2/NDF: 42.8/39

In: 269.839+/-739.252 χ^2/NDF:29.7/40

Out: 359.057+/-291.512 χ^2/NDF:57.2/46

All: 347.050+/-271.189 χ^2/NDF: 86.9/87



Right In: 2954.213+/-0.756 χ^2/NDF: 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 751.894+/-0.321 χ^2/NDF: 12487318.4/21

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

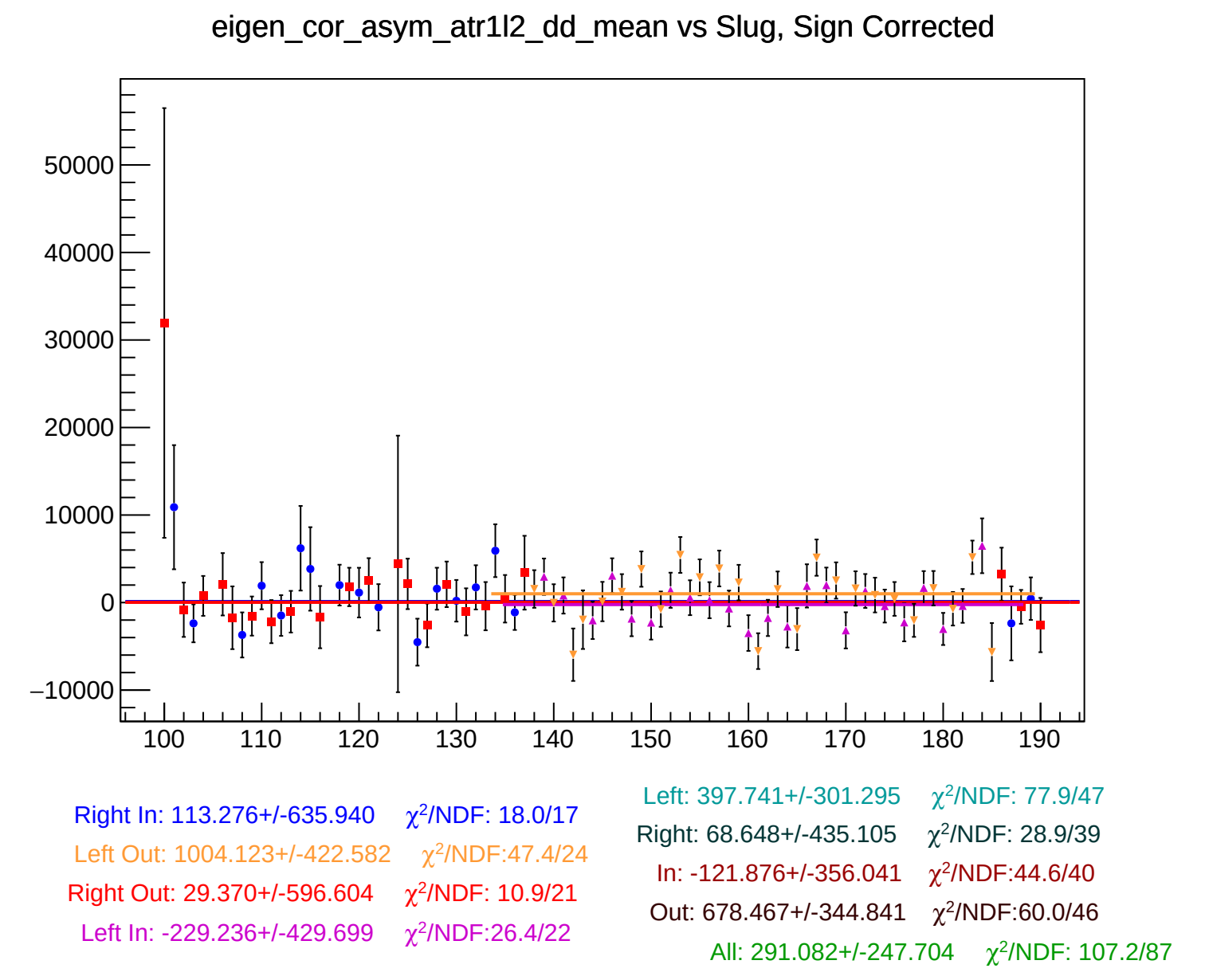
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1088.783+/-0.296 χ^2/NDF: 20234389.6/39

In: 3649.658+/-0.523 χ^2/NDF:3511294.0/40

Out: 845.112+/-0.206 χ^2/NDF:39403202.3/46

All: 1222.528+/-0.192 χ^2/NDF: 67826030.2/8


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
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20000
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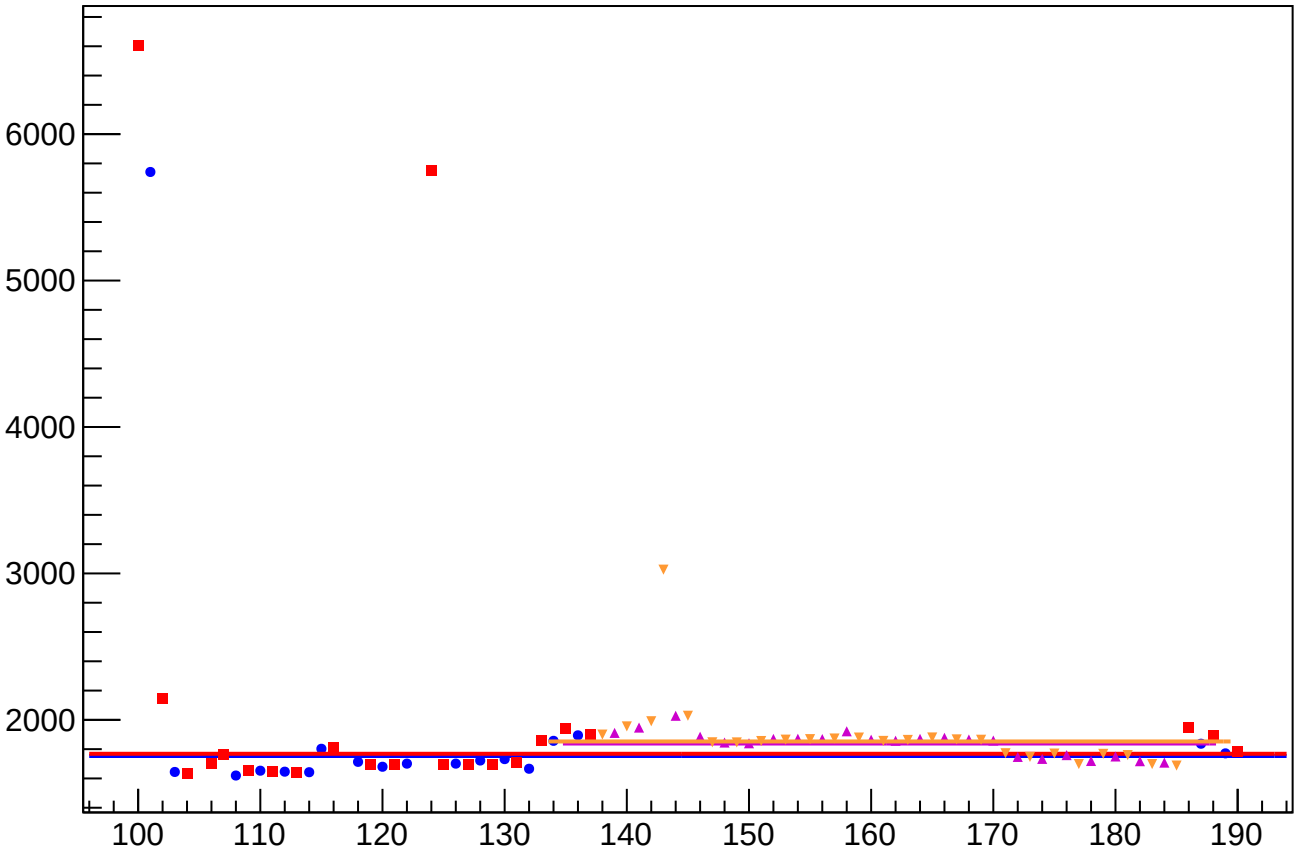
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 113.276+/-635.940 χ²/NDF: 18.0/17
Left Out: 1004.123+/-422.582 χ²/NDF:47.4/24
Right Out: 29.370+/-596.604 χ²/NDF: 10.9/21
Left In: -229.236+/-429.699 χ²/NDF:26.4/22
Left: 397.741+/-301.295 χ²/NDF: 77.9/47
Right: 68.648+/-435.105 χ²/NDF: 28.9/39
In: -121.876+/-356.041 χ²/NDF:44.6/40
Out: 678.467+/-344.841 χ²/NDF:60.0/46
All: 291.082+/-247.704 χ²/NDF: 107.2/87



Right In: 1753.304+/-0.450 χ^2/NDF: 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.381+/-0.421 χ^2/NDF: 315737.3/21

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

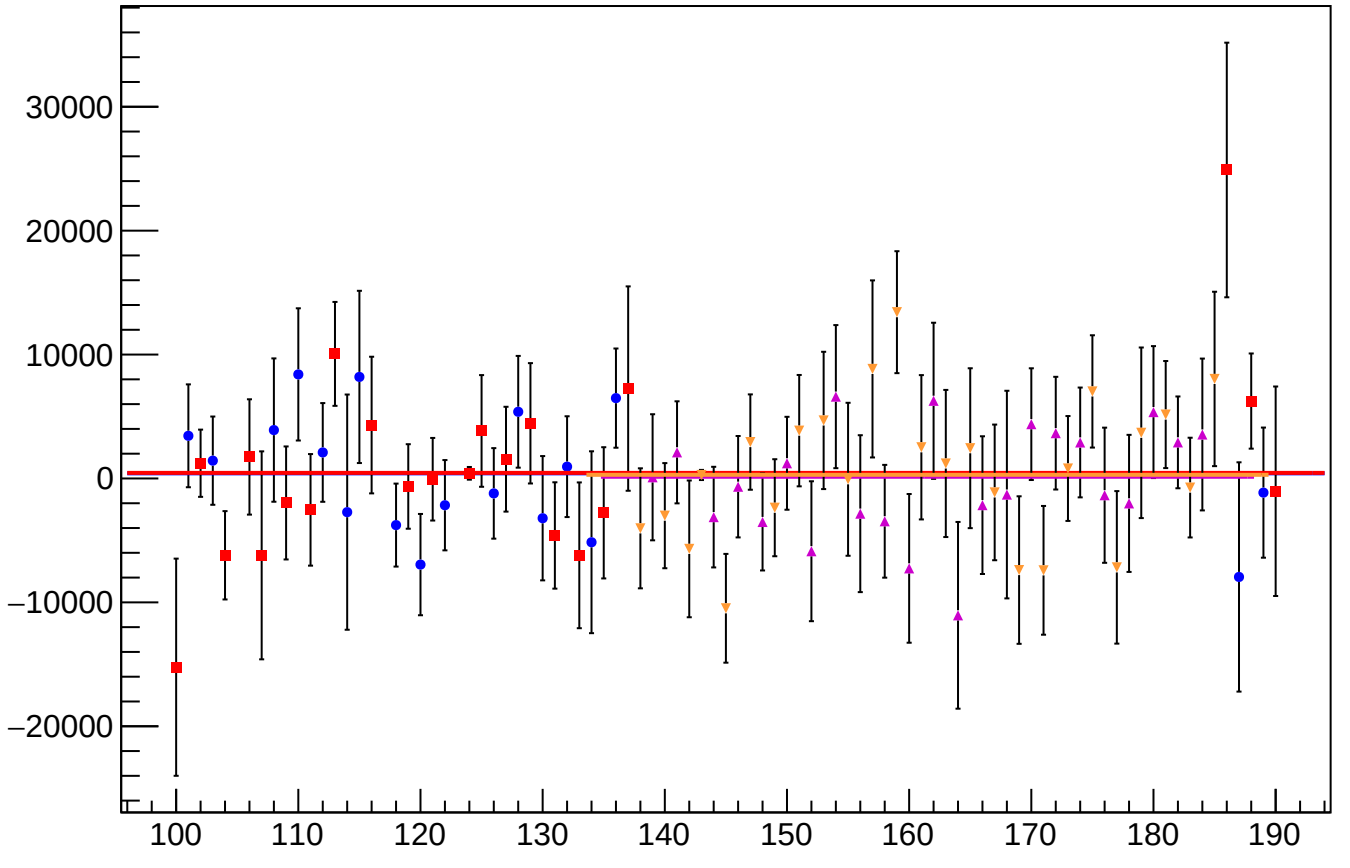
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1761.347+/-0.307 χ^2/NDF: 986861.3/39

In: 1811.815+/-0.252 χ^2/NDF:763662.3/40

Out: 1824.303+/-0.244 χ^2/NDF:663383.9/46

All: 1818.265+/-0.175 χ^2/NDF: 1428317.0/87



Right In: 413.666+/-1069.536 χ^2/NDF: 15.8/17

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 450.282+/-454.517 χ^2/NDF: 27.1/21

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

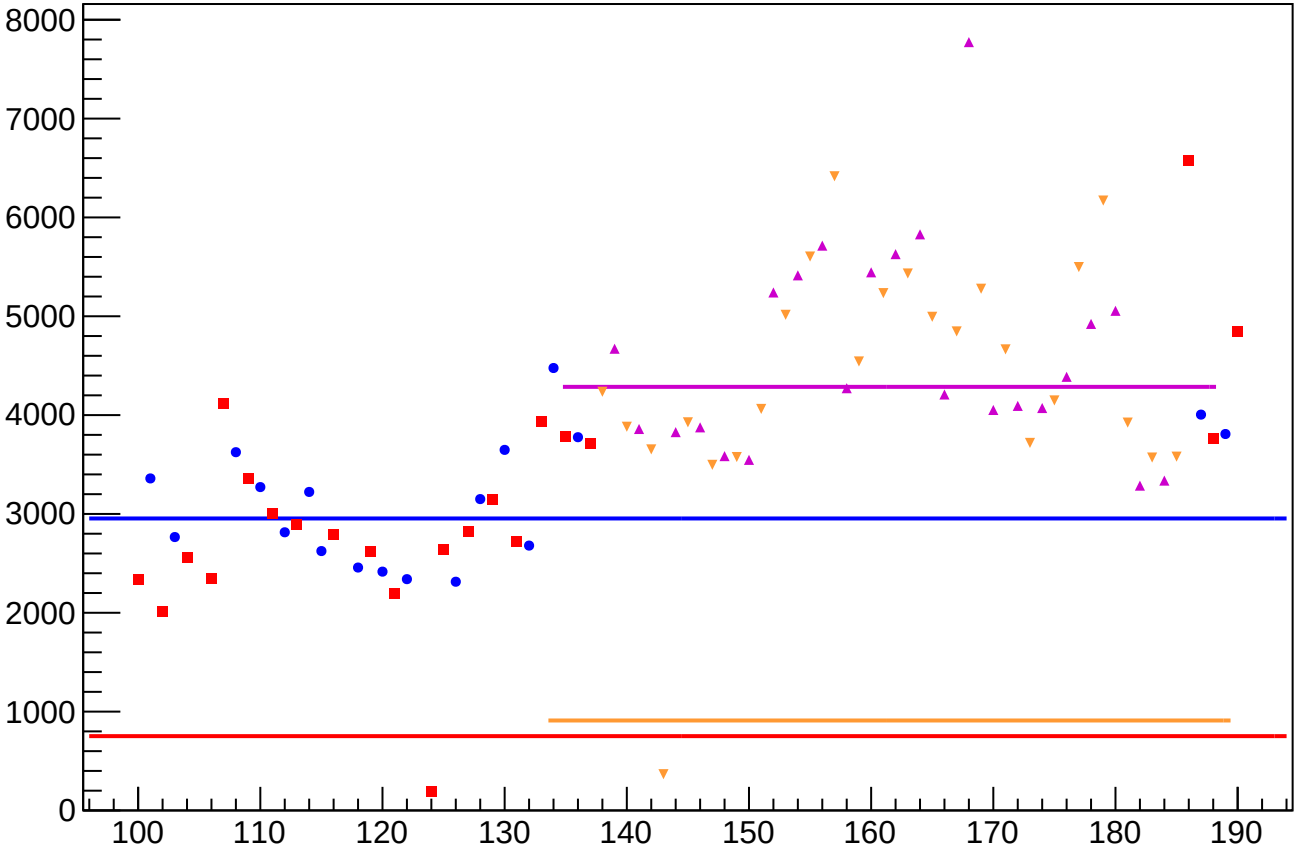
Right: 444.681+/-418.311 χ^2/NDF: 42.8/39

In: 269.839+/-739.252 χ^2/NDF:29.7/40

Out: 359.057+/-291.512 χ^2/NDF:57.2/46

All: 347.050+/-271.189 χ^2/NDF: 86.9/87

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2954.213+/-0.756 χ^2/NDF: 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 751.894+/-0.321 χ^2/NDF: 12487318.4/21

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

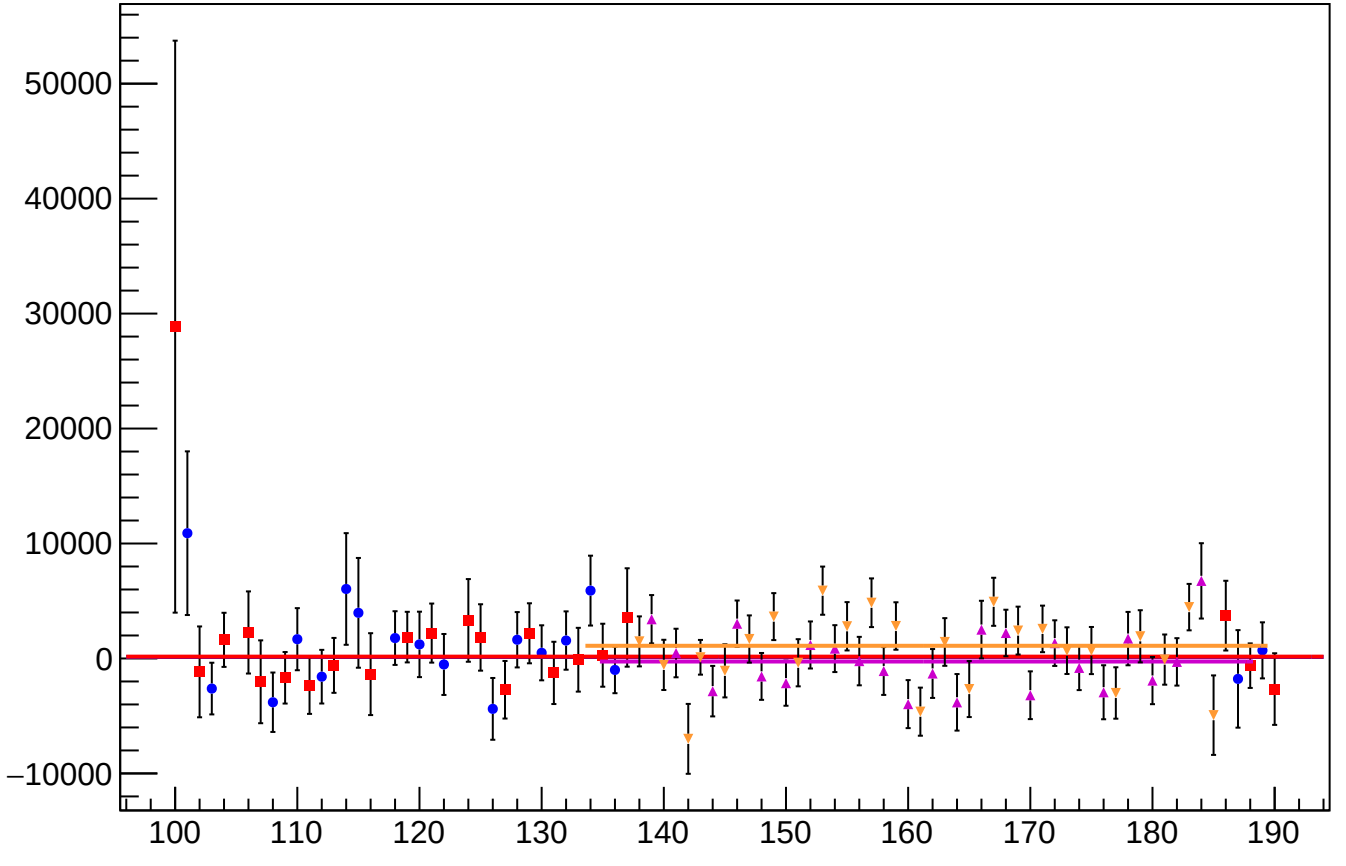
Right: 1088.783+/-0.296 χ^2/NDF: 20234389.6/39

In: 3649.658+/-0.523 χ^2/NDF:3511294.0/40

Out: 845.112+/-0.206 χ^2/NDF:39403202.3/46

All: 1222.528+/-0.192 χ^2/NDF: 67826030.2/8

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 129.756+/-640.094 χ^2/NDF: 17.5/17

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 157.626+/-596.209 χ^2/NDF: 12.1/21

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

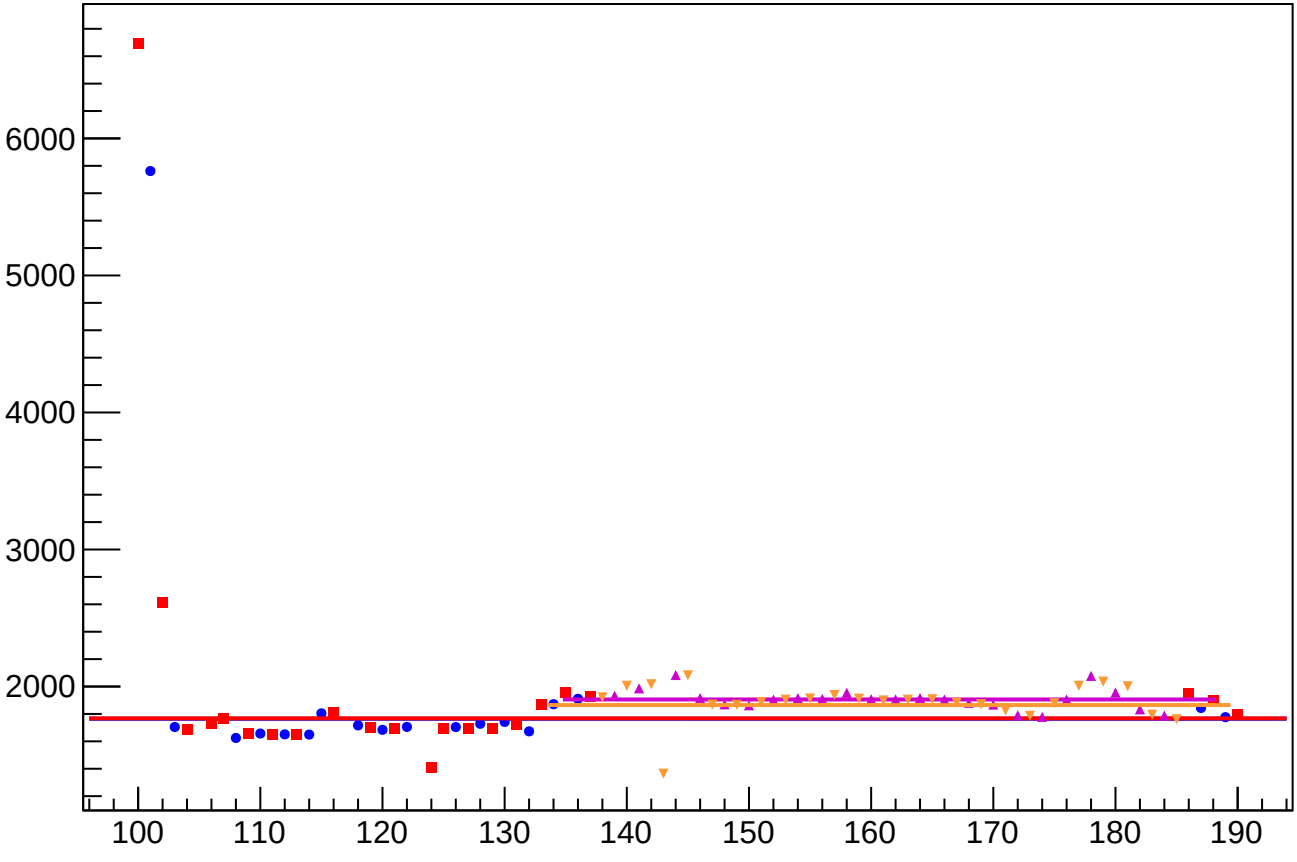
Right: 144.679+/-436.273 χ^2/NDF: 29.6/39

In: -135.973+/-365.574 χ^2/NDF:45.5/40

Out: 784.361+/-346.246 χ^2/NDF:58.5/46

All: 349.164+/-251.388 χ^2/NDF: 107.4/87

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1764.895+/-0.453 χ^2/NDF: 668464.2/17

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1767.786+/-0.421 χ^2/NDF: 246583.7/21

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

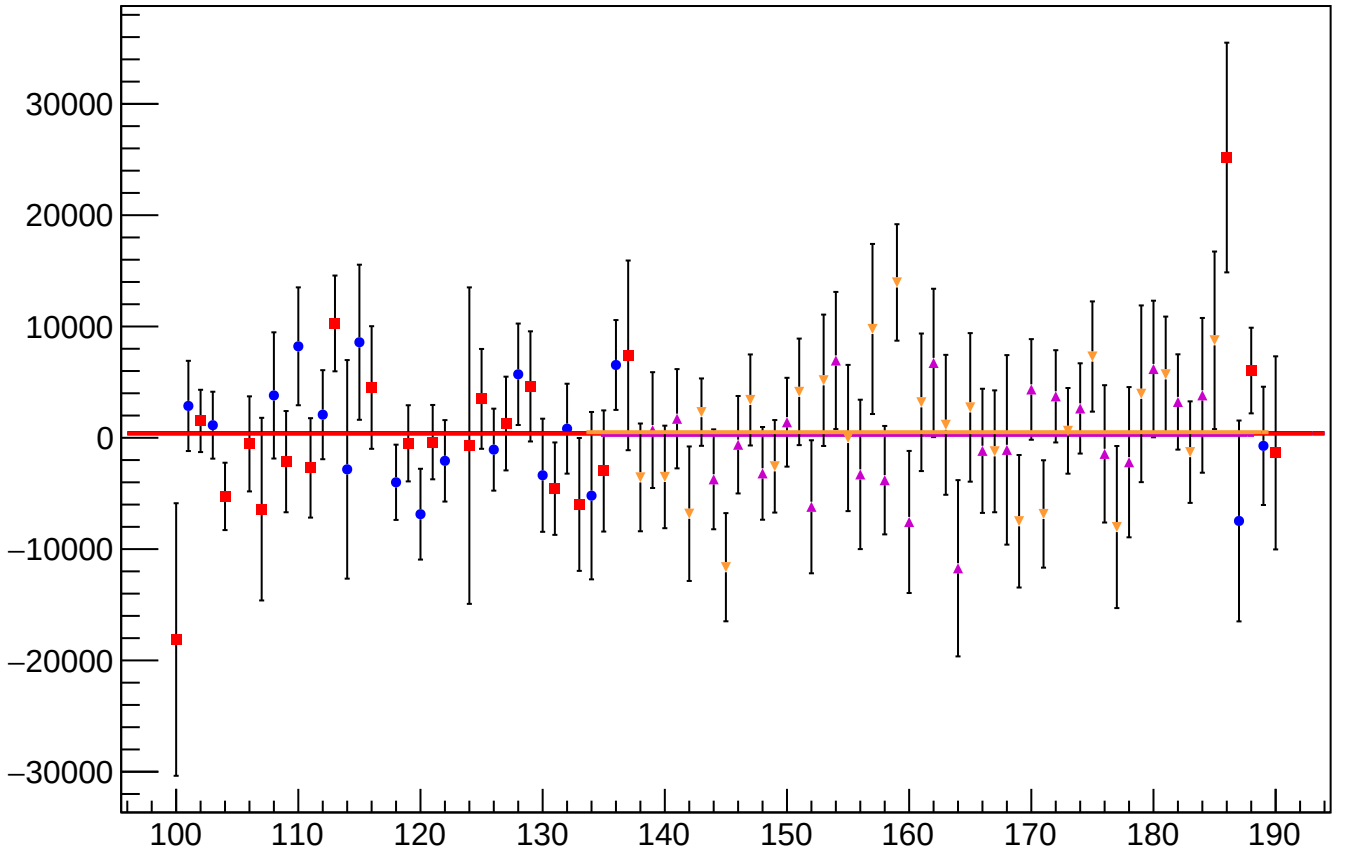
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1766.447+/-0.308 χ^2/NDF: 915069.8/39

In: 1859.723+/-0.258 χ^2/NDF:786389.3/40

Out: 1832.003+/-0.245 χ^2/NDF:576531.7/46

All: 1845.100+/-0.178 χ^2/NDF: 1368987.1/87



Right In: 421.380+/-1052.513 χ^2/NDF: 15.7/17

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 368.409+/-976.139 χ^2/NDF: 26.3/21

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

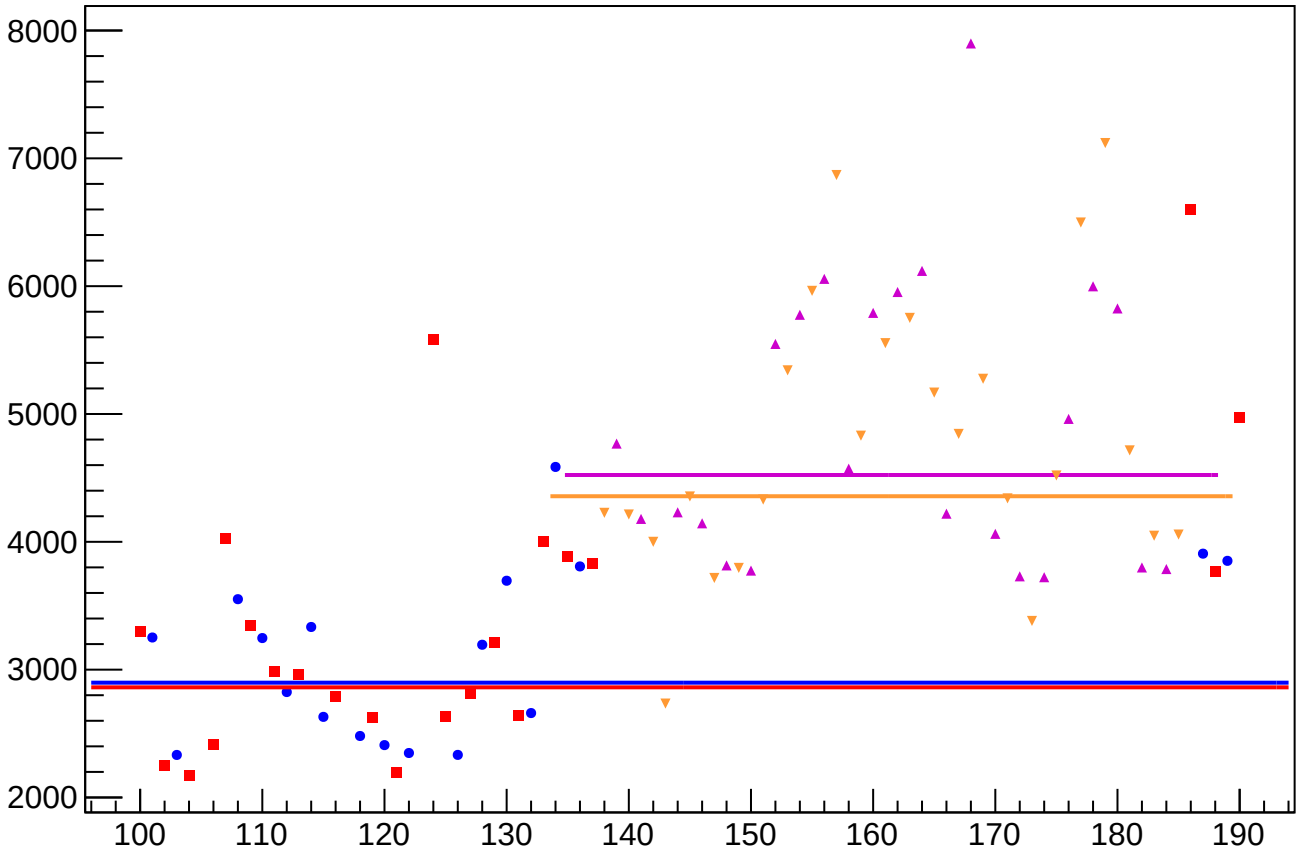
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 392.903+/-715.713 χ^2/NDF: 42.0/39

In: 343.386+/-754.245 χ^2/NDF:29.3/40

Out: 433.239+/-705.786 χ^2/NDF:56.4/46

All: 391.292+/-515.347 χ^2/NDF: 85.7/87



Right In: 2898.147+/-0.744 χ^2/NDF: 636412.1/17

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2861.656+/-0.690 χ^2/NDF: 1135291.0/21

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

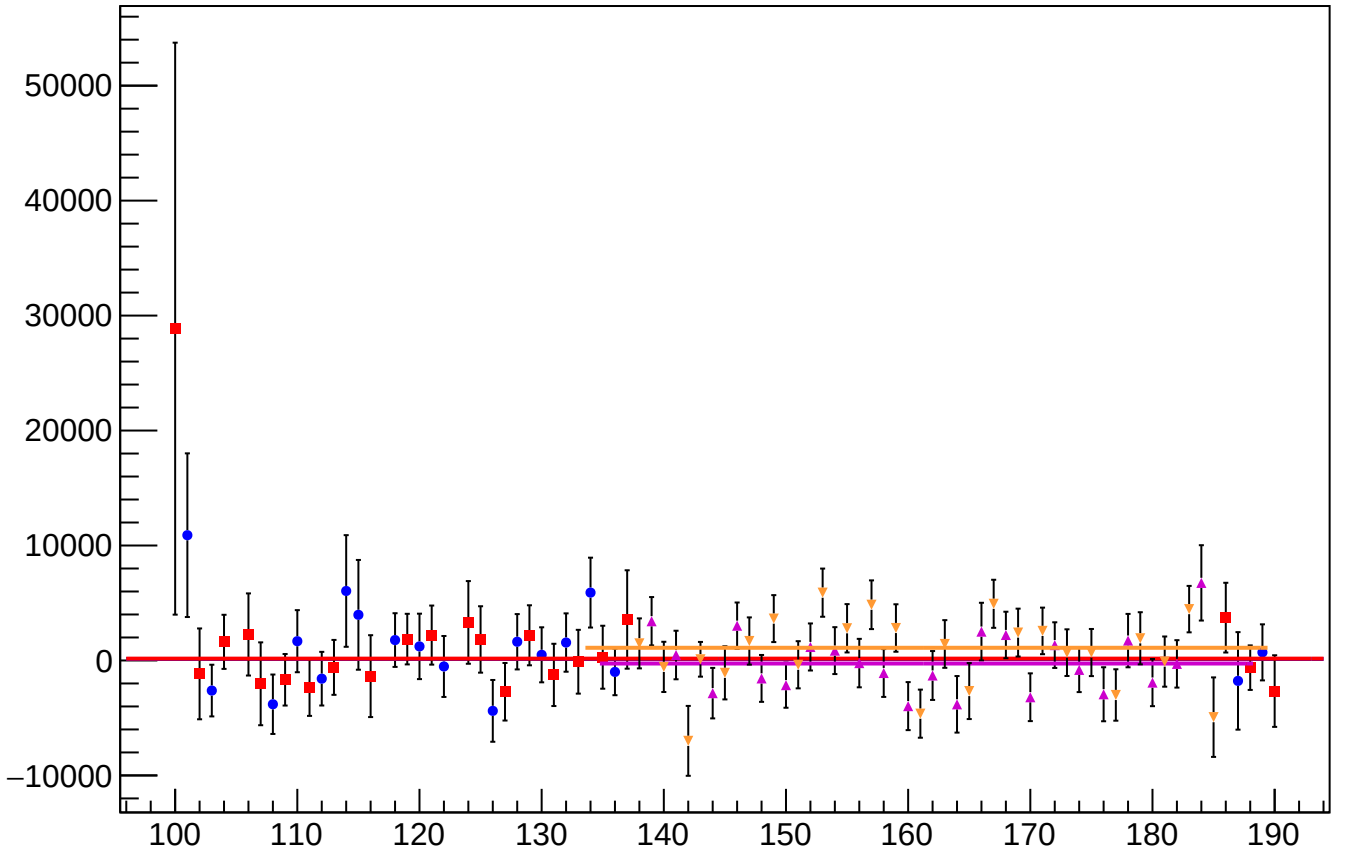
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2878.530+/-0.506 χ^2/NDF: 1772995.5/39

In: 3688.477+/-0.533 χ^2/NDF:4388566.1/40

Out: 3575.086+/-0.499 χ^2/NDF:5286310.9/46

All: 3628.022+/-0.364 χ^2/NDF: 9698976.9/87



Right In: 129.754+/-640.094 χ^2/NDF: 17.5/17

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 157.623+/-596.209 χ^2/NDF: 12.1/21

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

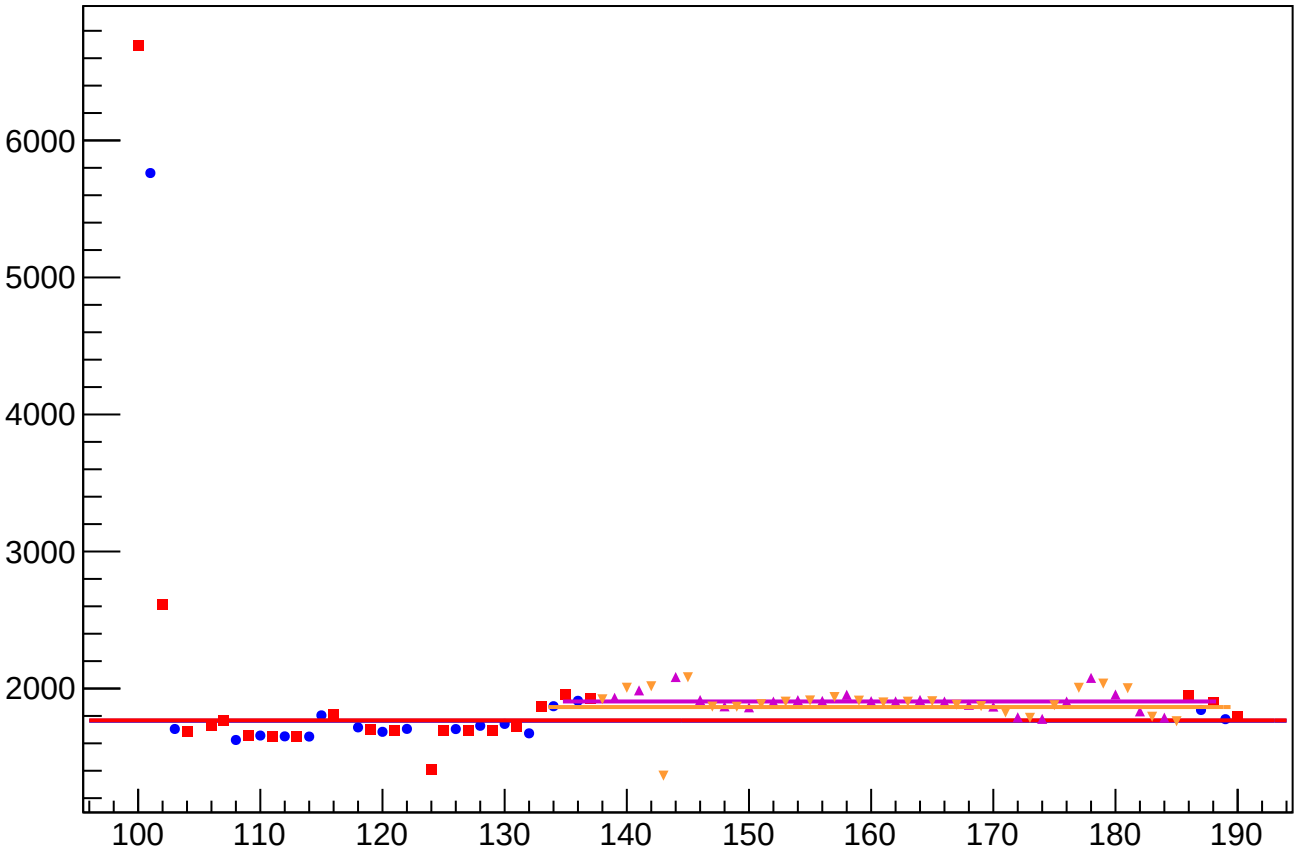
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 144.676+/-436.273 χ^2/NDF: 29.6/39

In: -135.974+/-365.574 χ^2/NDF:45.5/40

Out: 784.361+/-346.247 χ^2/NDF:58.5/46

All: 349.164+/-251.388 χ^2/NDF: 107.4/87



Right In: 1764.895+/-0.453 χ^2/NDF: 668464.2/17

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1767.786+/-0.421 χ^2/NDF: 246583.7/21

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

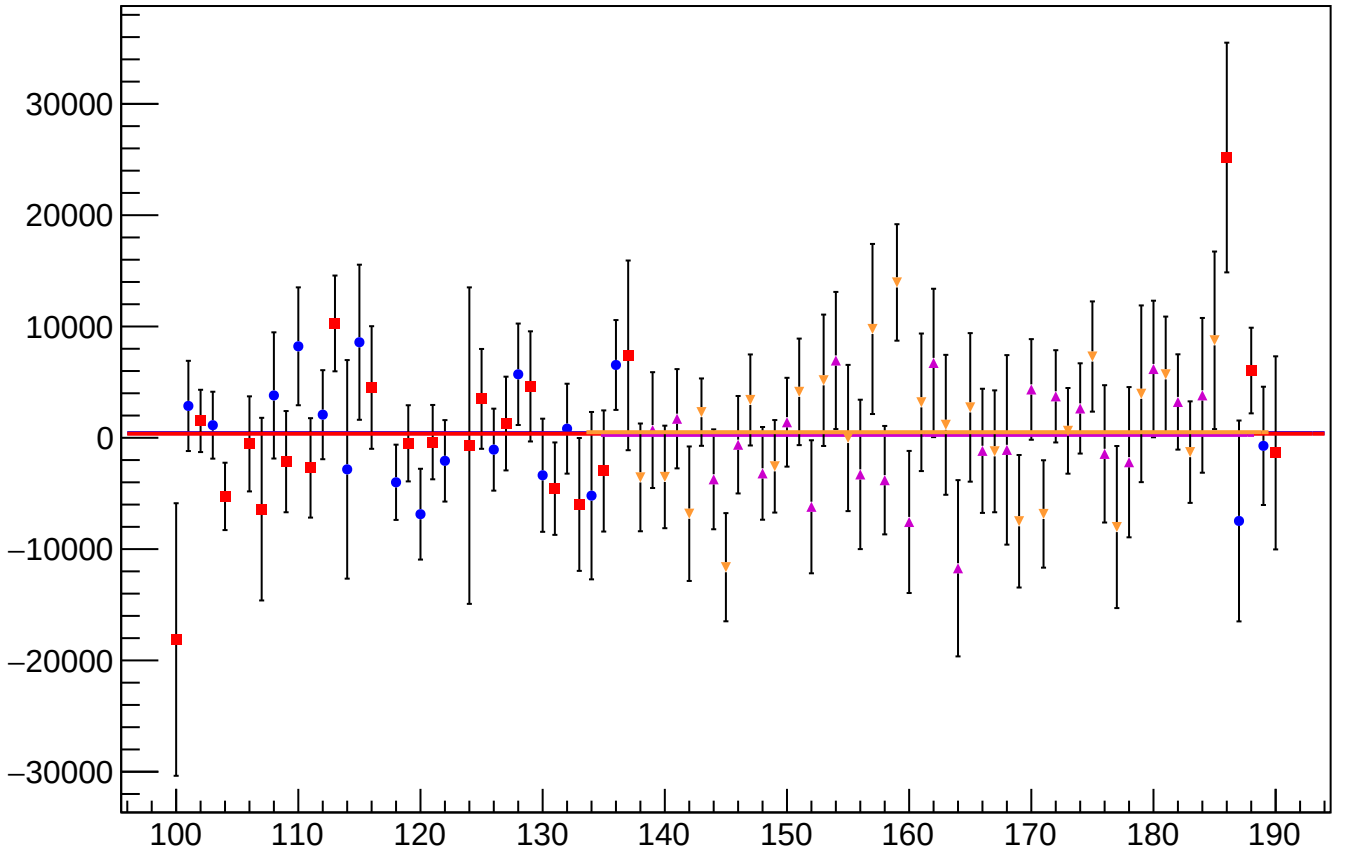
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1766.447+/-0.308 χ^2/NDF: 915069.7/39

In: 1859.724+/-0.258 χ^2/NDF:786392.5/40

Out: 1832.004+/-0.245 χ^2/NDF:576535.8/46

All: 1845.100+/-0.178 χ^2/NDF: 1368994.4/87



Right In: 421.377+/-1052.510 χ^2/NDF: 15.7/17

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 368.406+/-976.137 χ^2/NDF: 26.3/21

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

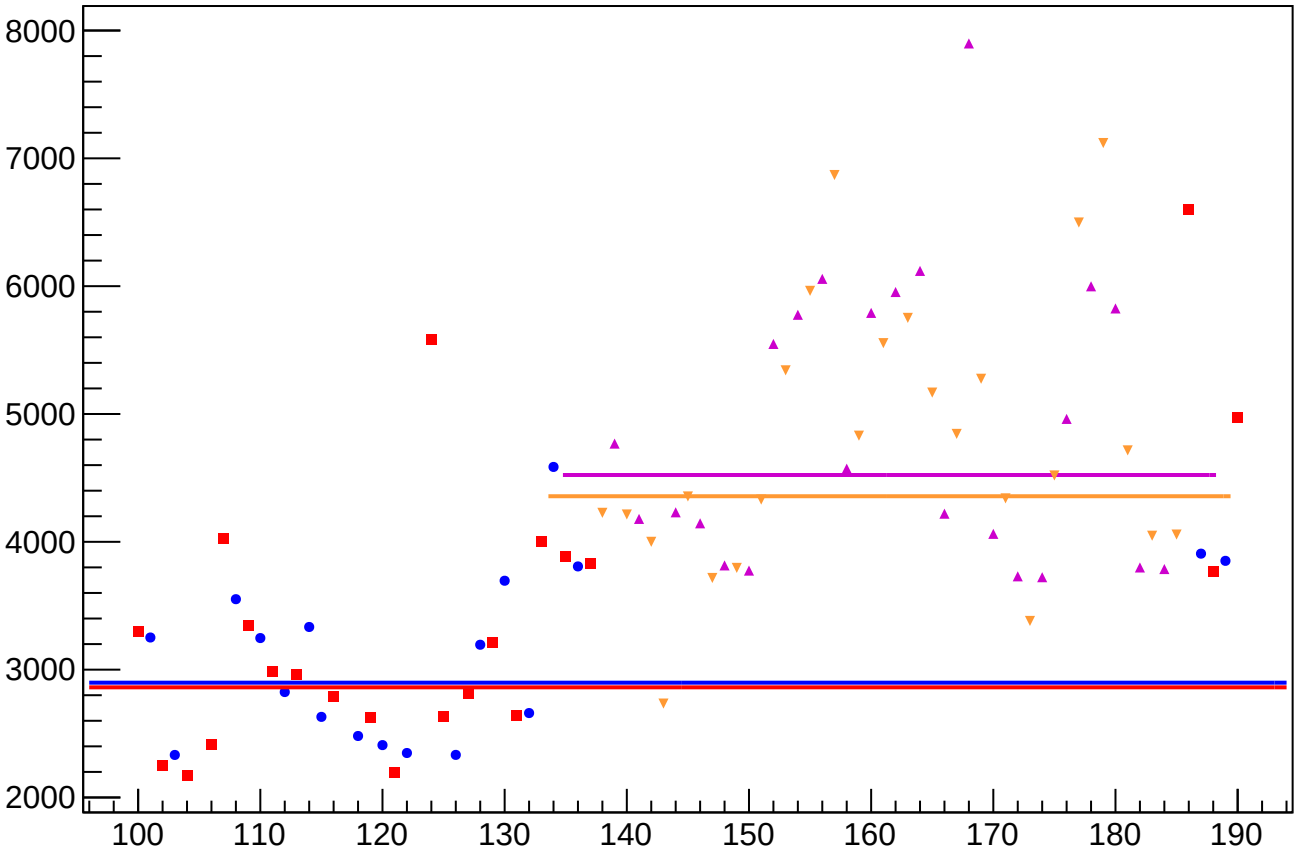
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 392.900+/-715.711 χ^2/NDF: 42.0/39

In: 343.384+/-754.245 χ^2/NDF:29.3/40

Out: 433.240+/-705.786 χ^2/NDF:56.4/46

All: 391.291+/-515.347 χ^2/NDF: 85.7/87



Right In: 2898.139+/-0.744 χ^2/NDF: 636417.1/17

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2861.651+/-0.690 χ^2/NDF: 1135291.0/21

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

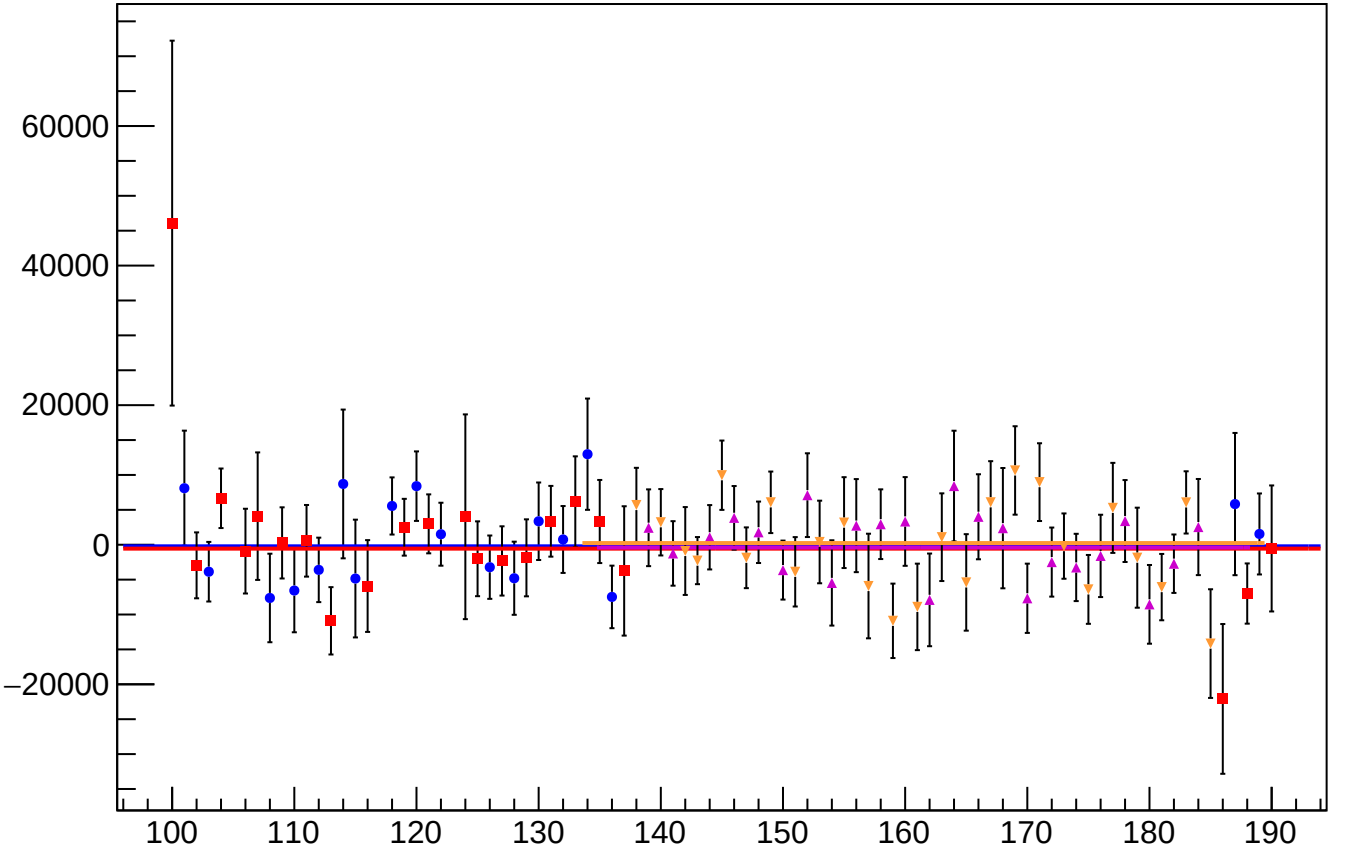
Right: 2878.523+/-0.506 χ^2/NDF: 1773000.4/39

In: 3688.473+/-0.533 χ^2/NDF:4388617.3/40

Out: 3575.083+/-0.499 χ^2/NDF:5286352.8/46

All: 3628.019+/-0.364 χ^2/NDF: 9699069.4/87

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -227.781+/-1283.549 χ^2/NDF: 18.4/17

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -558.714+/-1204.614 χ^2/NDF: 22.0/21

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

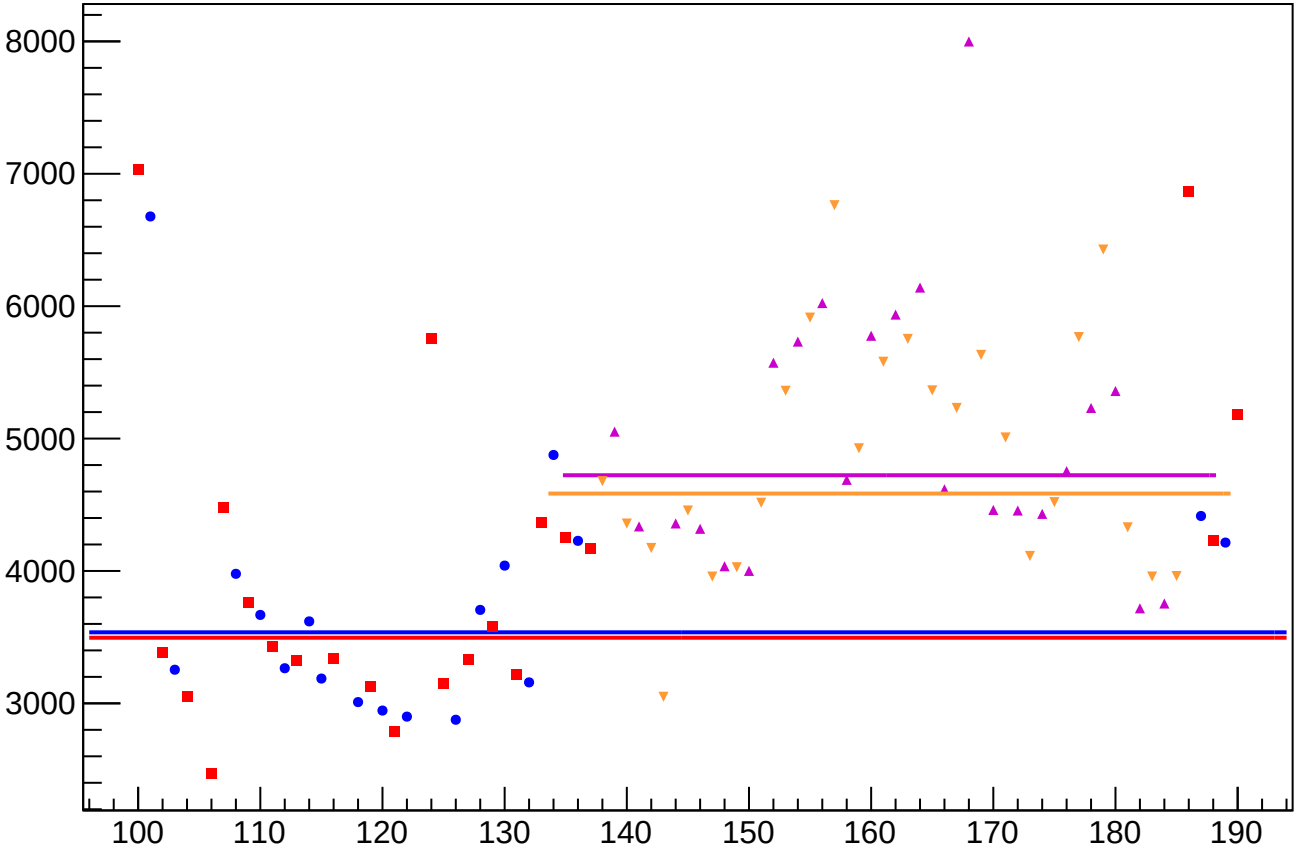
Right: -403.736+/-878.371 χ^2/NDF: 40.4/39

In: -324.254+/-844.463 χ^2/NDF:32.6/40

Out: -110.320+/-797.737 χ^2/NDF:54.4/46

All: -211.205+/-579.900 χ^2/NDF: 87.0/87

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3536.527+/-0.908 χ^2/NDF: 640827.4/17

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3495.827+/-0.841 χ^2/NDF: 726719.7/21

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

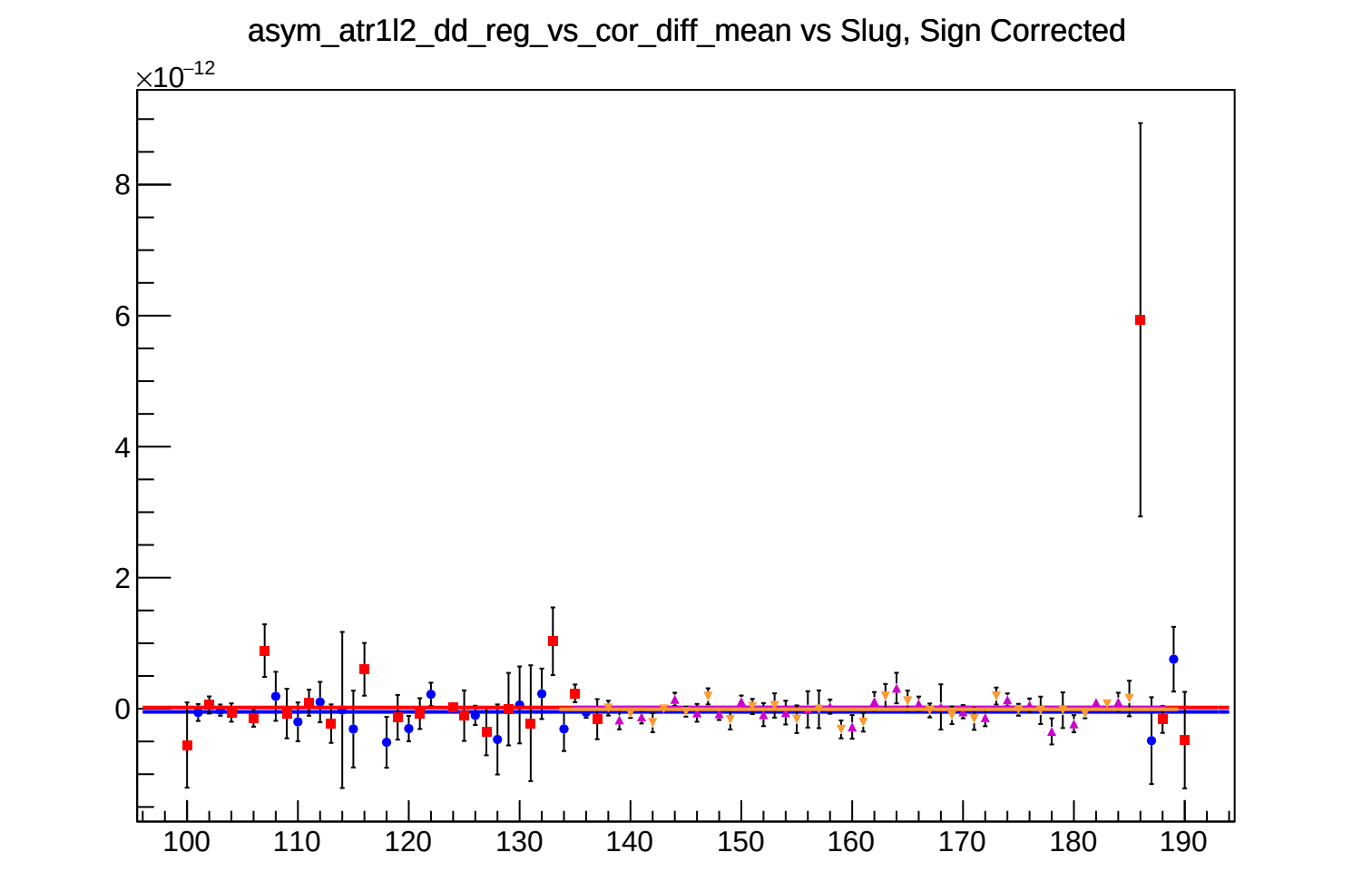
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3514.633+/-0.617 χ^2/NDF: 1368628.9/39

In: 4209.445+/-0.597 χ^2/NDF:2626679.4/40

Out: 4100.418+/-0.561 χ^2/NDF:2968792.9/46

All: 4151.531+/-0.409 χ^2/NDF: 5613180.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/21

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

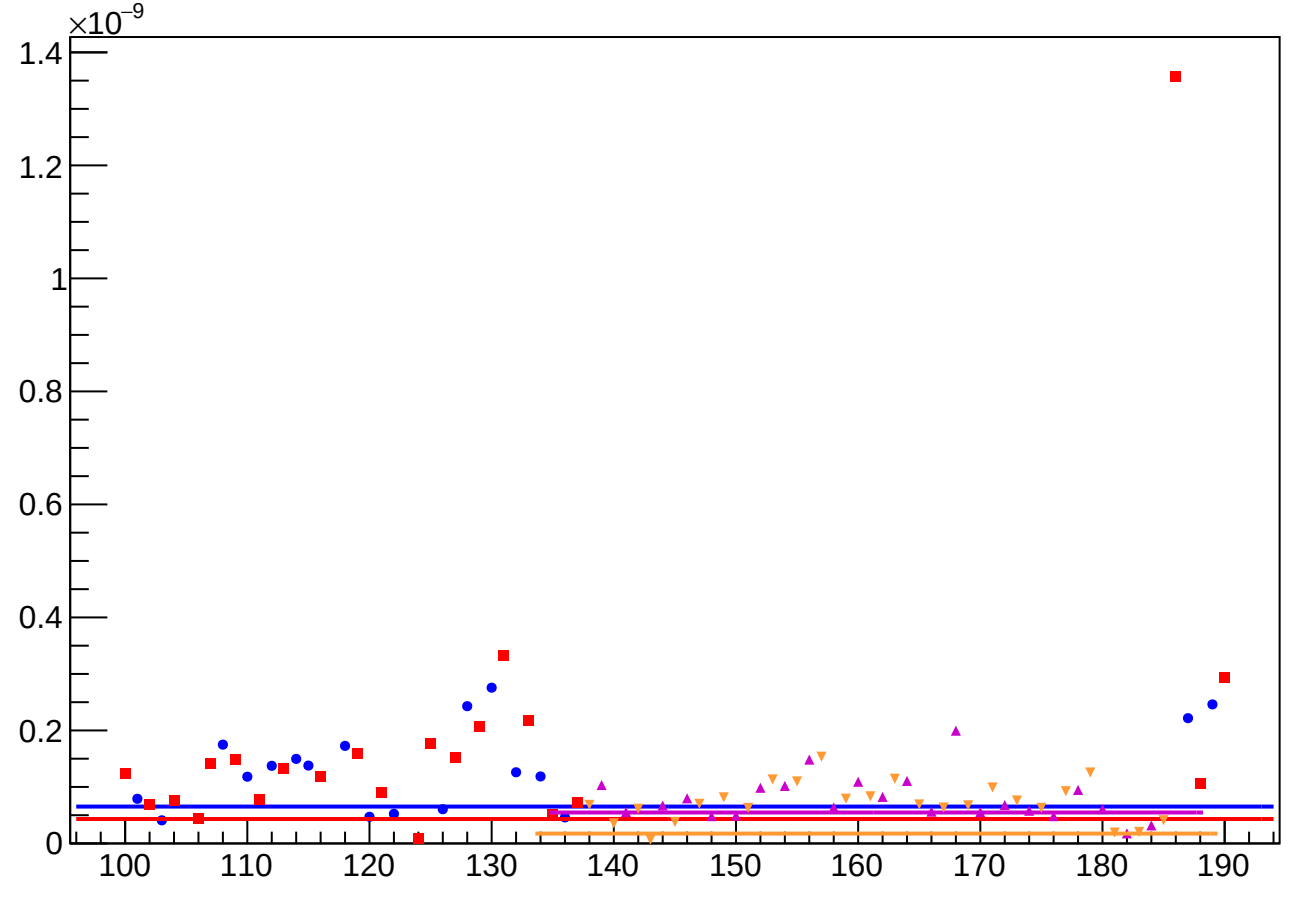
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/39

In: 0.000+/-0.000 χ^2/NDF:39.4/40

Out: -0.000+/-0.000 χ^2/NDF:46.8/46

All: -0.000+/-0.000 χ^2/NDF: 86.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 1816134.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3982049.6/21

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

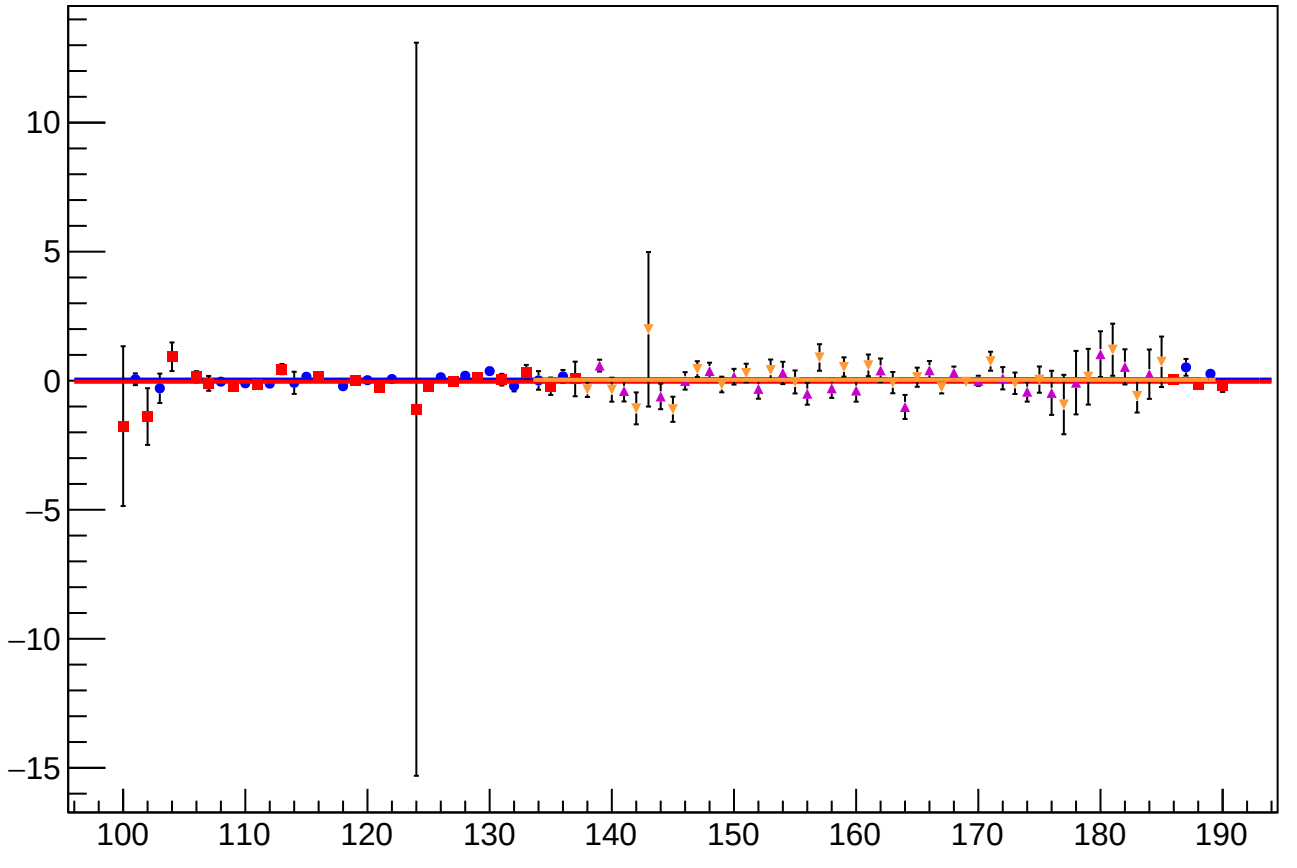
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6101549.1/39

In: 0.000+/-0.000 χ^2/NDF:4702036.4/40

Out: 0.000+/-0.000 χ^2/NDF:13828578.5/46

All: 0.000+/-0.000 χ^2/NDF: 23511583.0/87



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.041+/-0.038 χ^2/NDF: 24.3/21

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

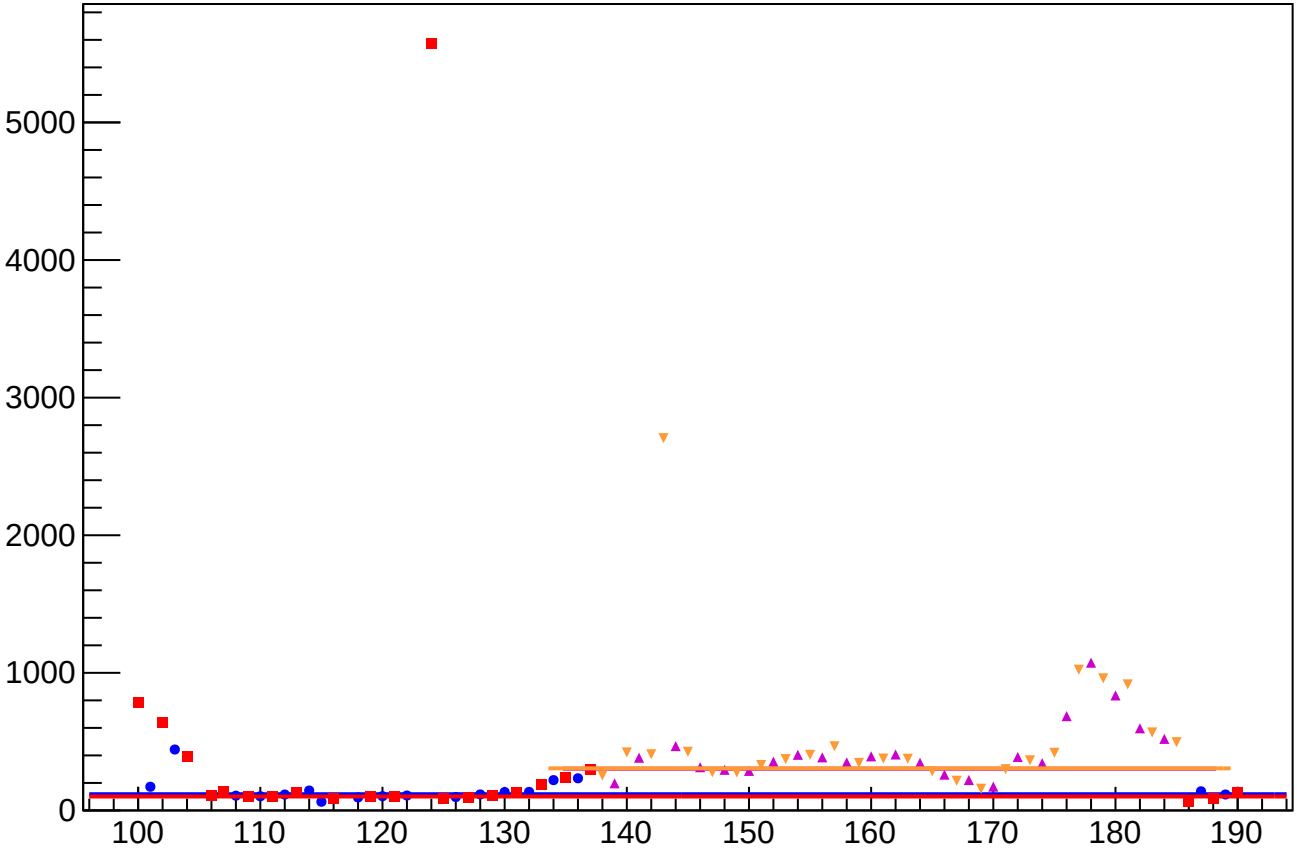
Right: -0.005+/-0.029 χ^2/NDF: 42.6/39

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.026+/-0.034 χ^2/NDF:55.5/46

All: 0.006+/-0.026 χ^2/NDF: 99.8/87

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.942+/-0.032 χ^2/NDF: 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 101.490+/-0.027 χ^2/NDF: 2642901.9/21

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

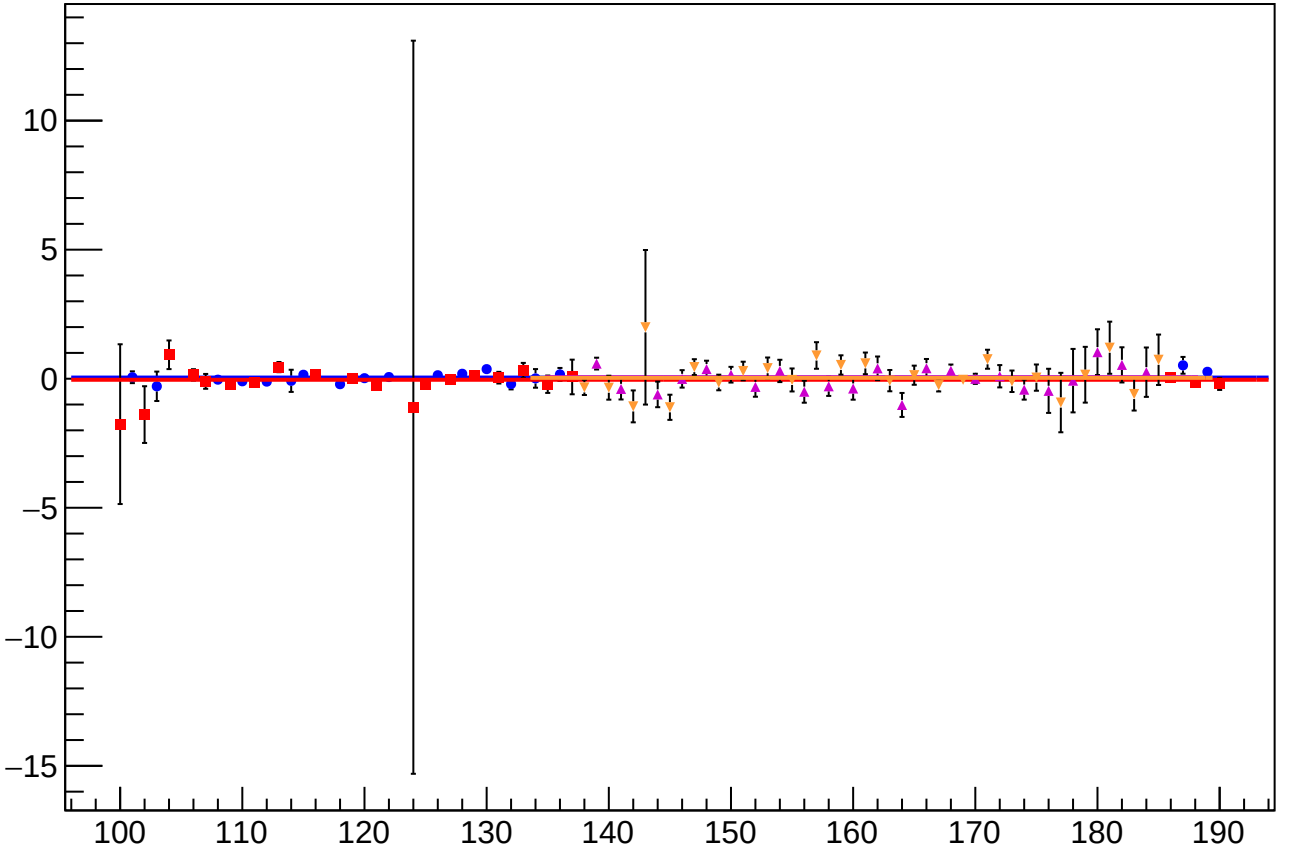
Right: 108.342+/-0.021 χ^2/NDF: 4526557.8/39

In: 165.665+/-0.028 χ^2/NDF:15080060.2/40

Out: 141.529+/-0.024 χ^2/NDF:20346877.7/46

All: 152.052+/-0.018 χ^2/NDF: 35853972.3/87

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.041+/-0.038 χ^2/NDF: 24.3/21

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

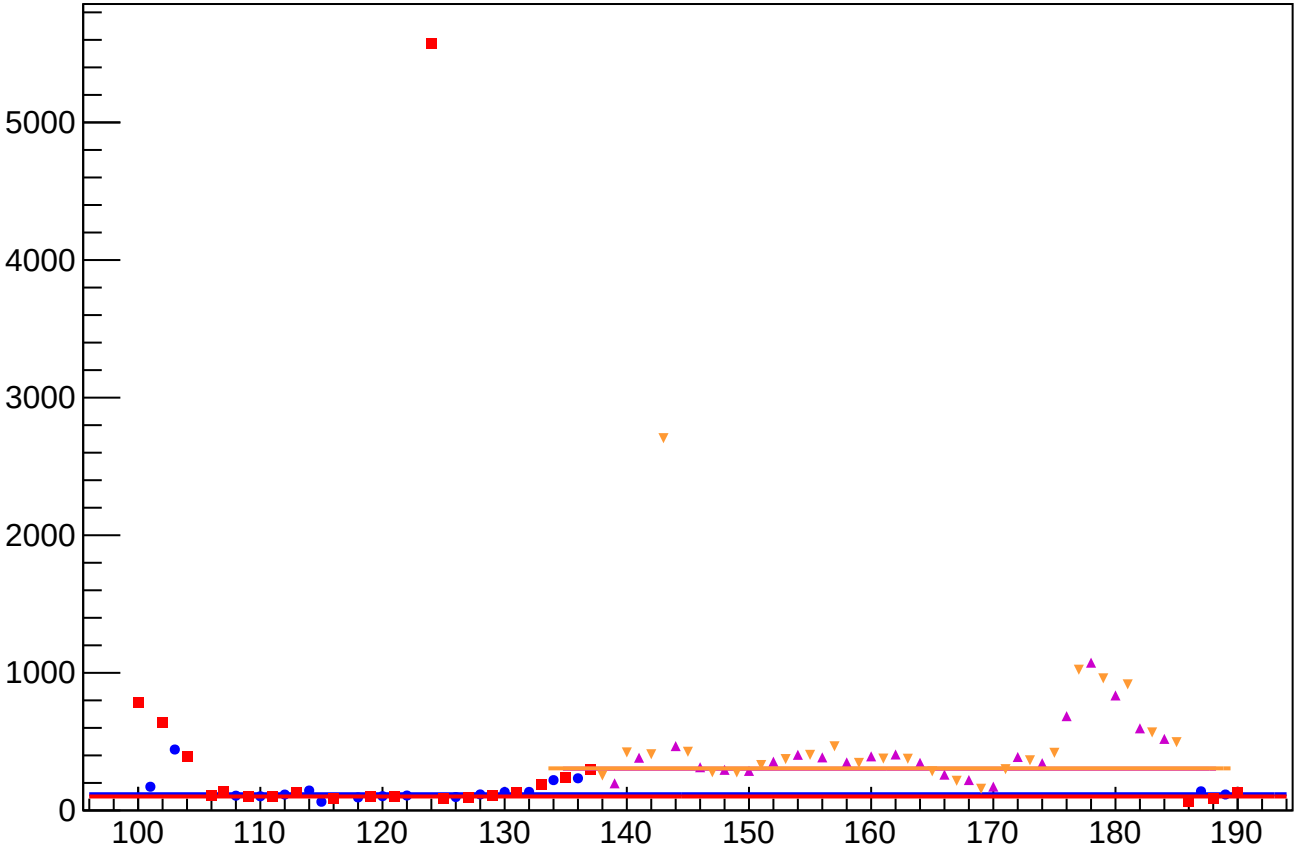
Right: -0.005+/-0.029 χ^2/NDF: 42.6/39

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.026+/-0.034 χ^2/NDF:55.5/46

All: 0.006+/-0.026 χ^2/NDF: 99.8/87

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.942+/-0.032 χ^2/NDF: 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 101.490+/-0.027 χ^2/NDF: 2642901.9/21

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

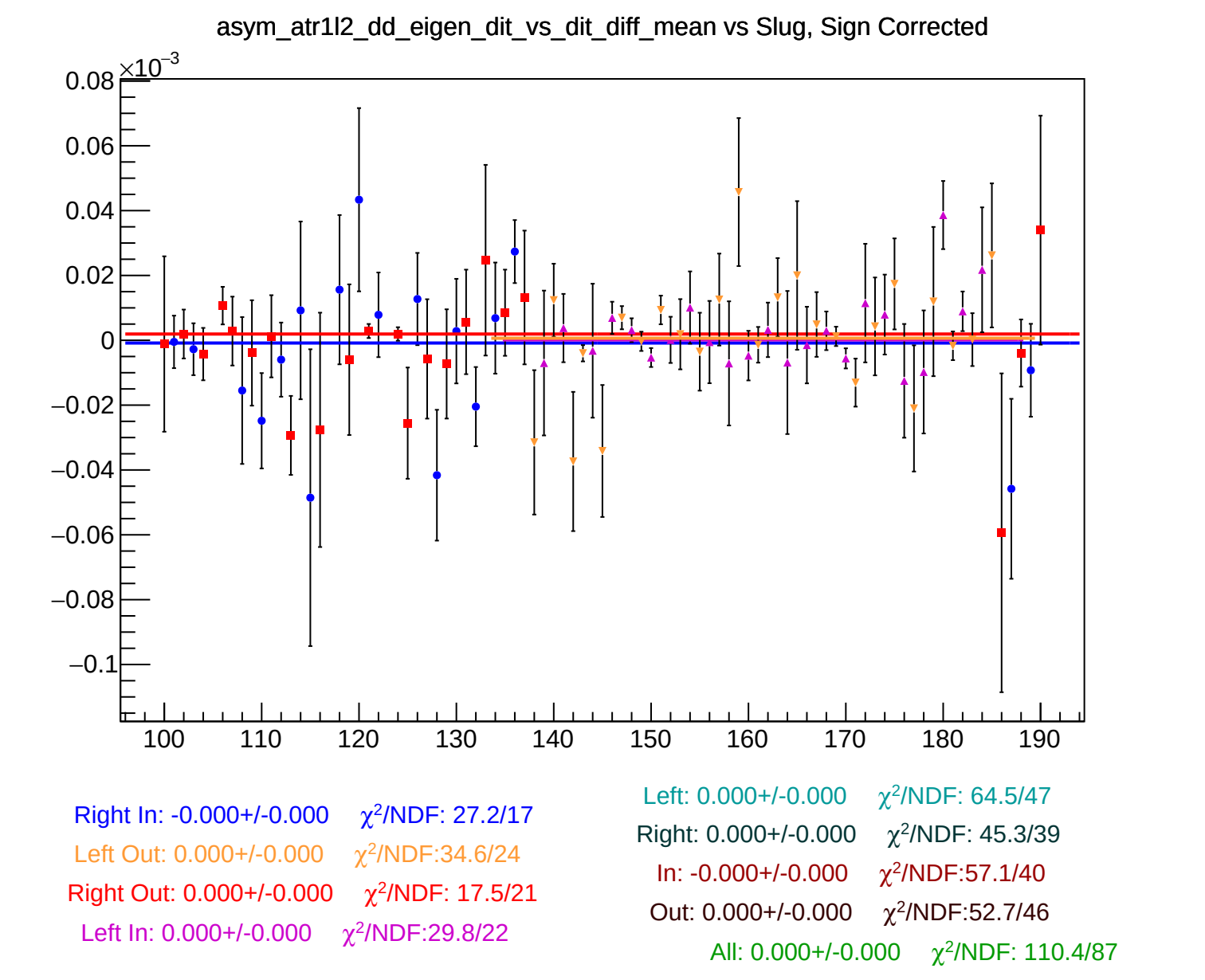
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

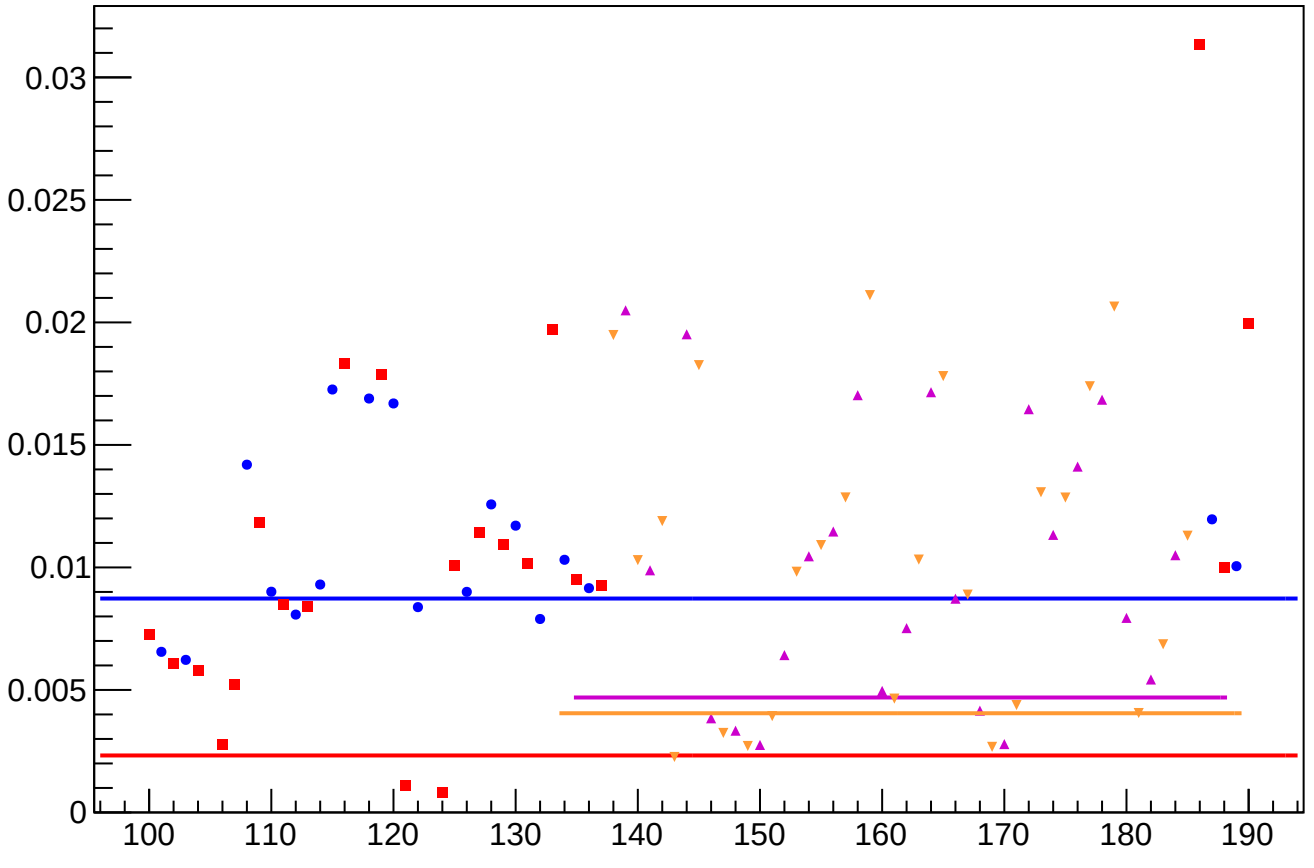
Right: 108.342+/-0.021 χ^2/NDF: 4526557.8/39

In: 165.665+/-0.028 χ^2/NDF:15080060.2/40

Out: 141.529+/-0.024 χ^2/NDF:20346877.7/46

All: 152.052+/-0.018 χ^2/NDF: 35853972.3/87


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 27.2/17
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/21
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: 45.3/39
In: -0.000+/-0.000 χ²/NDF:57.1/40
Out: 0.000+/-0.000 χ²/NDF:52.7/46
All: 0.000+/-0.000 χ²/NDF: 110.4/87



Right In: 0.009+/-0.000 χ^2/NDF: 1160964.7/17

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11415189.9/21

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

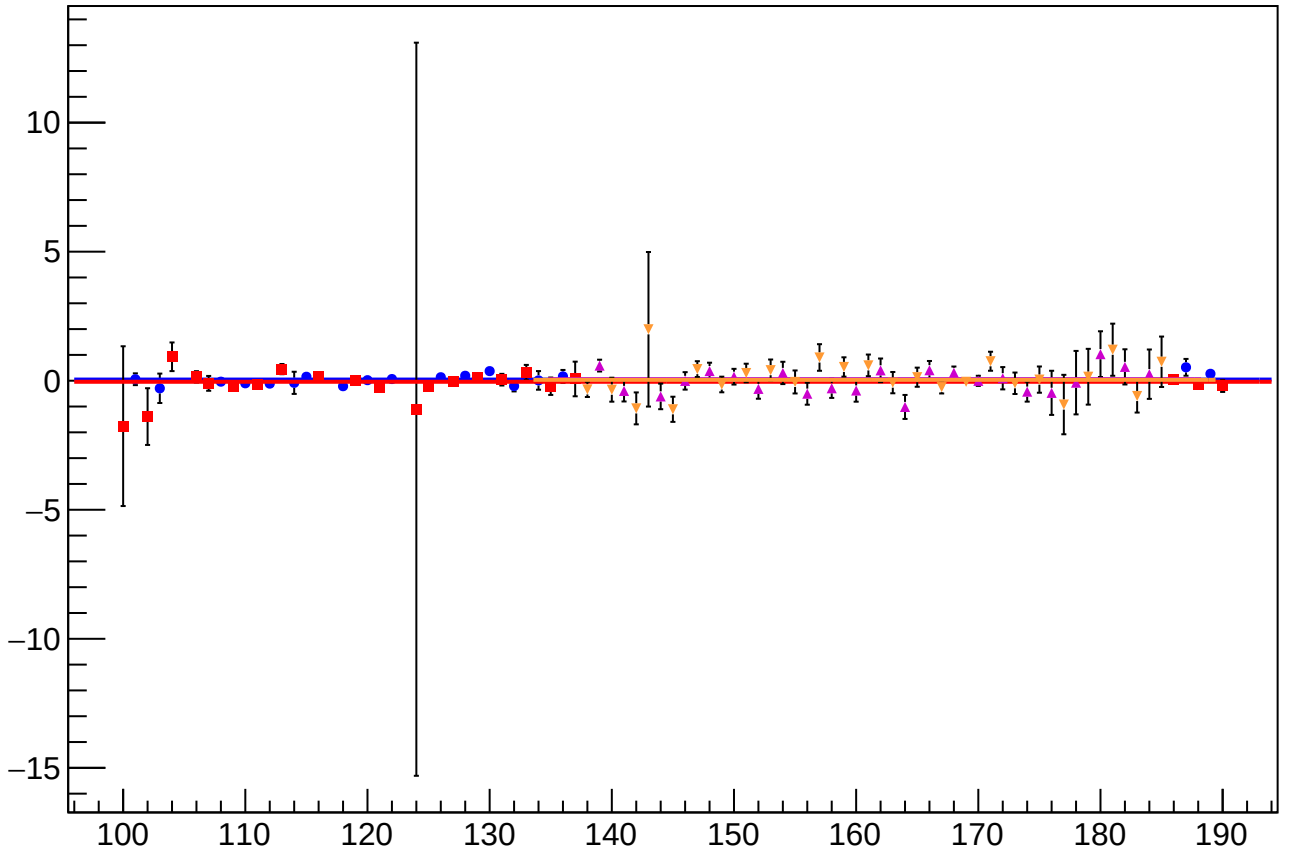
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.003+/-0.000 χ^2/NDF: 19195655.9/39

In: 0.005+/-0.000 χ^2/NDF:14610161.2/40

Out: 0.003+/-0.000 χ^2/NDF:26835577.1/46

All: 0.004+/-0.000 χ^2/NDF: 44864684.8/87



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.041+/-0.038 χ^2/NDF: 24.3/21

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

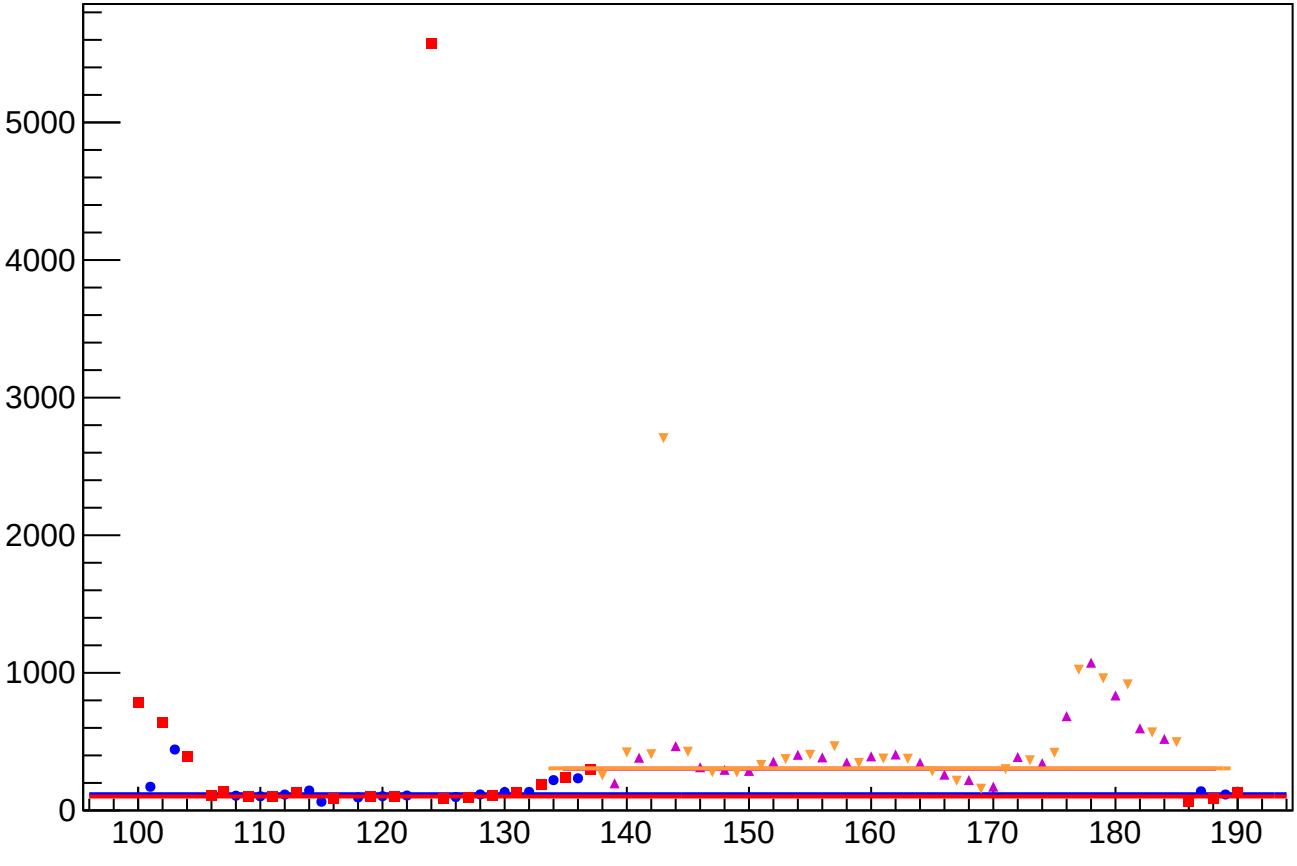
Right: -0.005+/-0.029 χ^2/NDF: 42.6/39

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.026+/-0.034 χ^2/NDF:55.5/46

All: 0.006+/-0.026 χ^2/NDF: 99.8/87

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 101.491+/-0.027 χ^2/NDF: 2642750.4/21

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

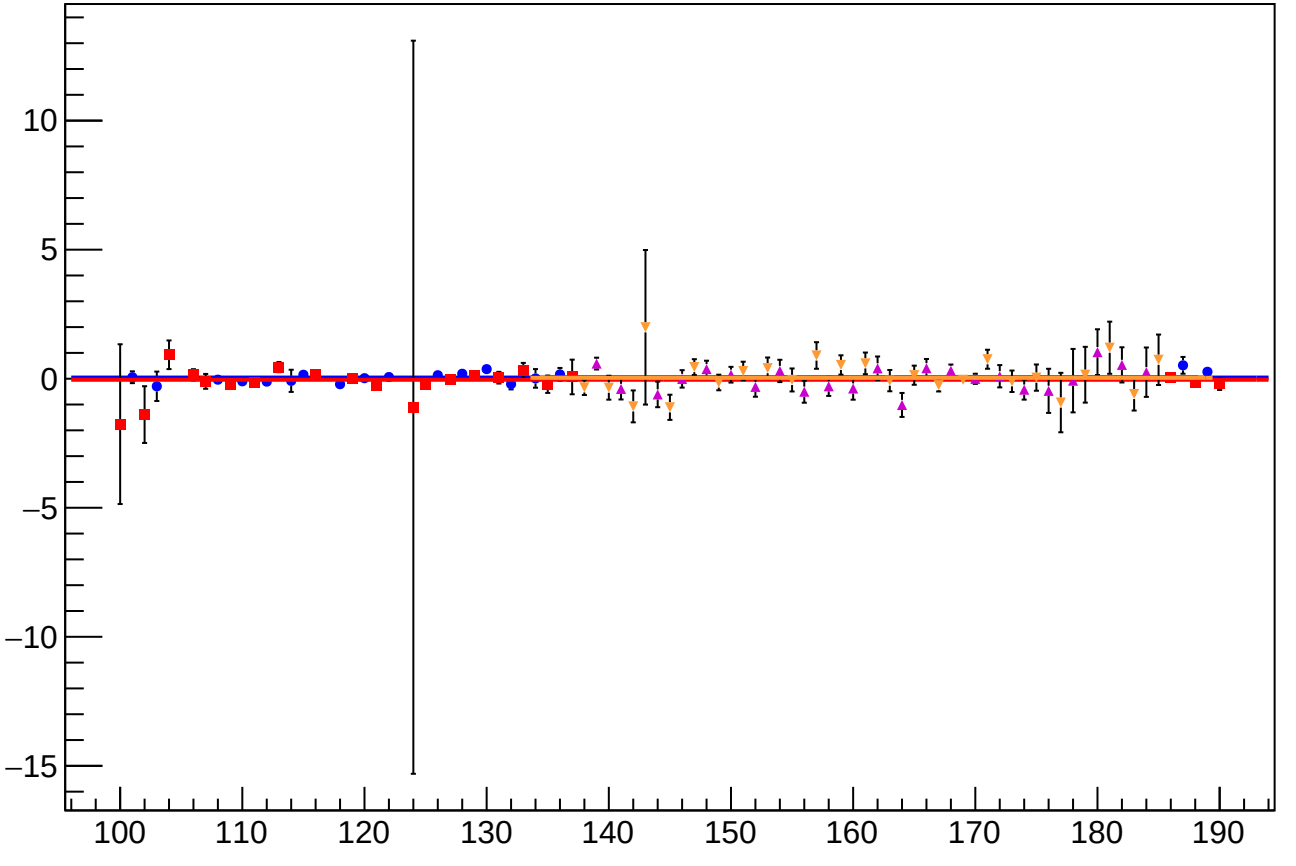
Right: 108.342+/-0.021 χ^2/NDF: 4526356.3/39

In: 165.665+/-0.028 χ^2/NDF:15080125.8/40

Out: 141.530+/-0.024 χ^2/NDF:20346747.5/46

All: 152.052+/-0.018 χ^2/NDF: 35853889.7/87

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.041+/-0.038 χ^2/NDF: 24.3/21

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

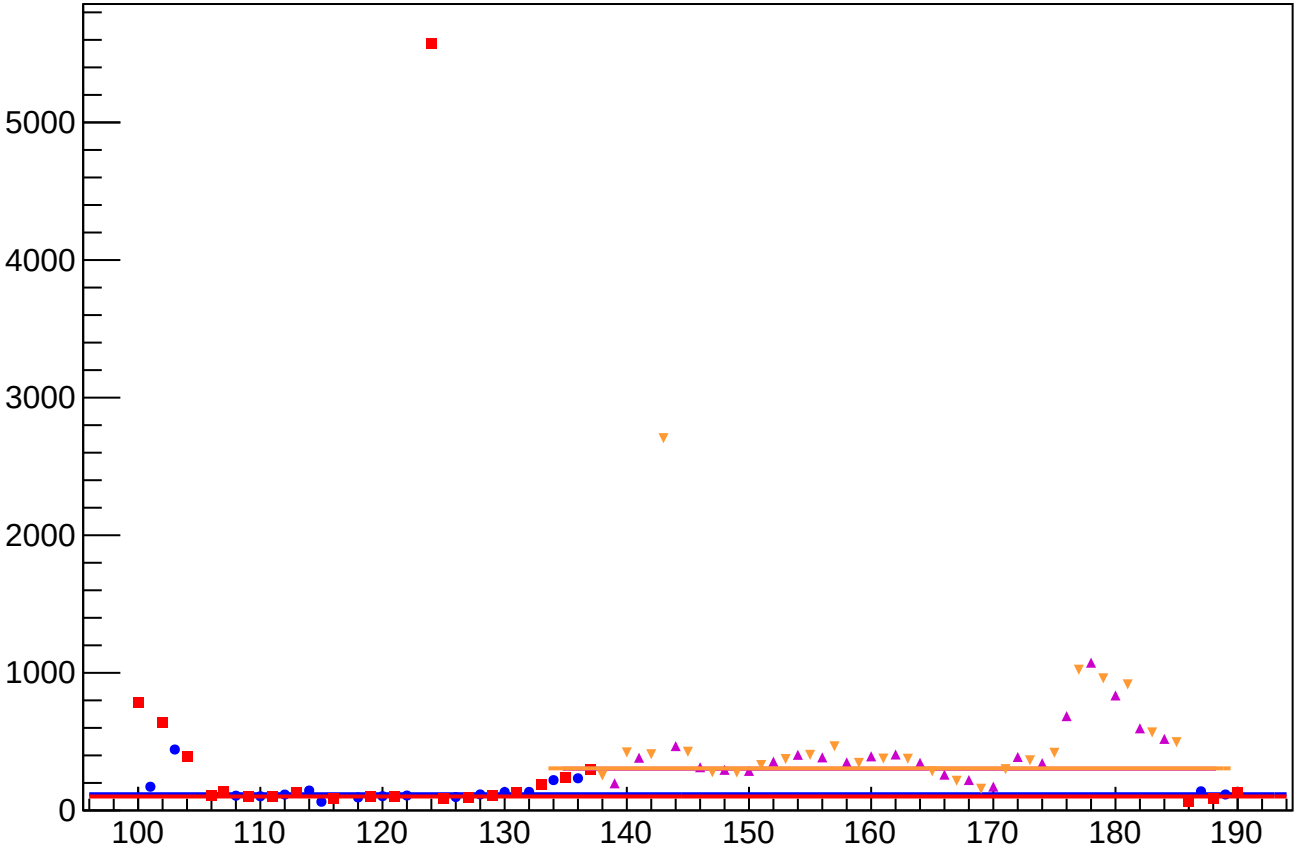
Right: -0.005+/-0.029 χ^2/NDF: 42.6/39

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.026+/-0.034 χ^2/NDF:55.5/46

All: 0.006+/-0.026 χ^2/NDF: 99.8/87

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 101.491+/-0.027 χ^2/NDF: 2642750.4/21

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

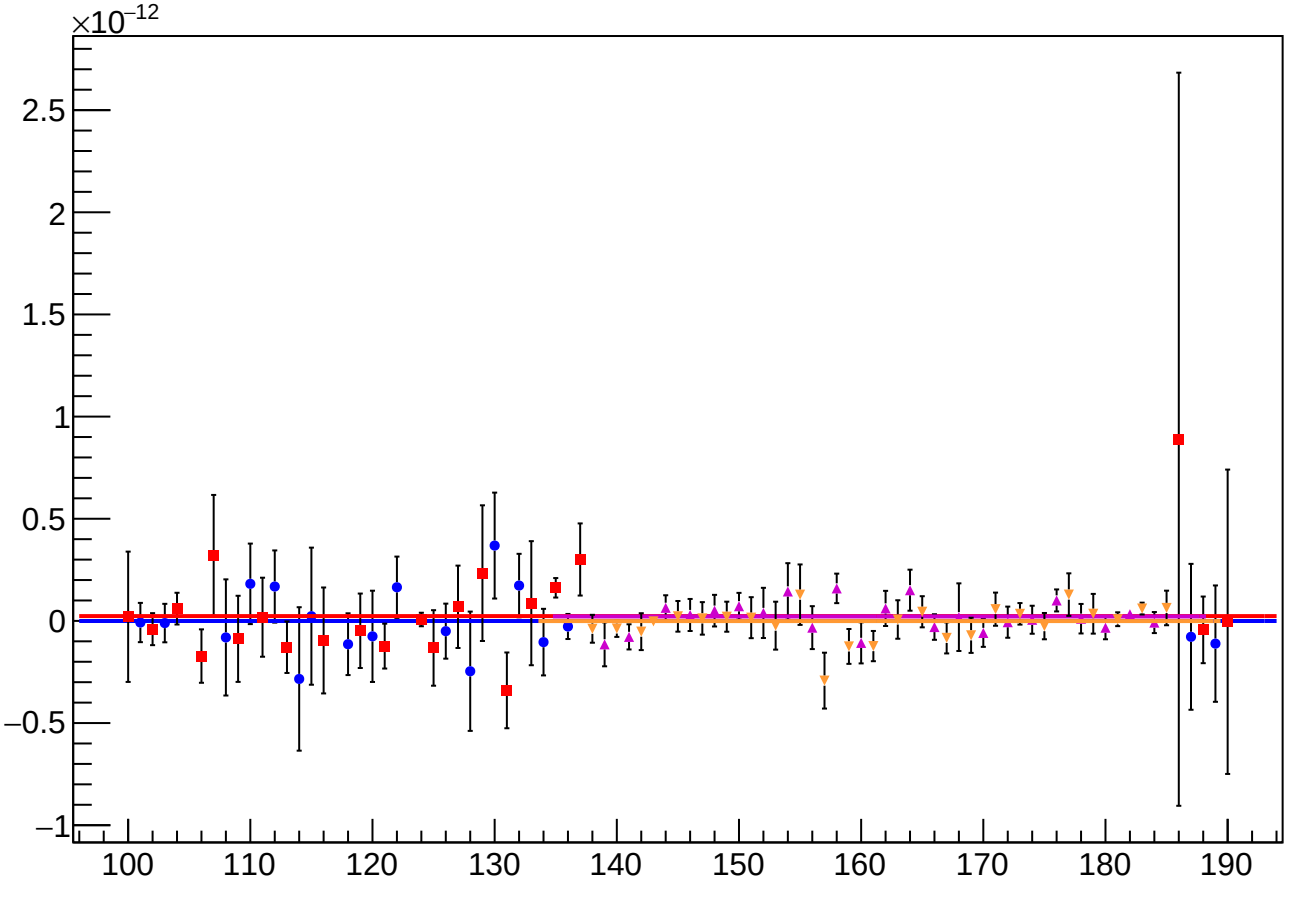
Right: 108.342+/-0.021 χ^2/NDF: 4526356.3/39

In: 165.665+/-0.028 χ^2/NDF:15080125.8/40

Out: 141.530+/-0.024 χ^2/NDF:20346747.5/46

All: 152.052+/-0.018 χ^2/NDF: 35853889.7/87

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/21

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

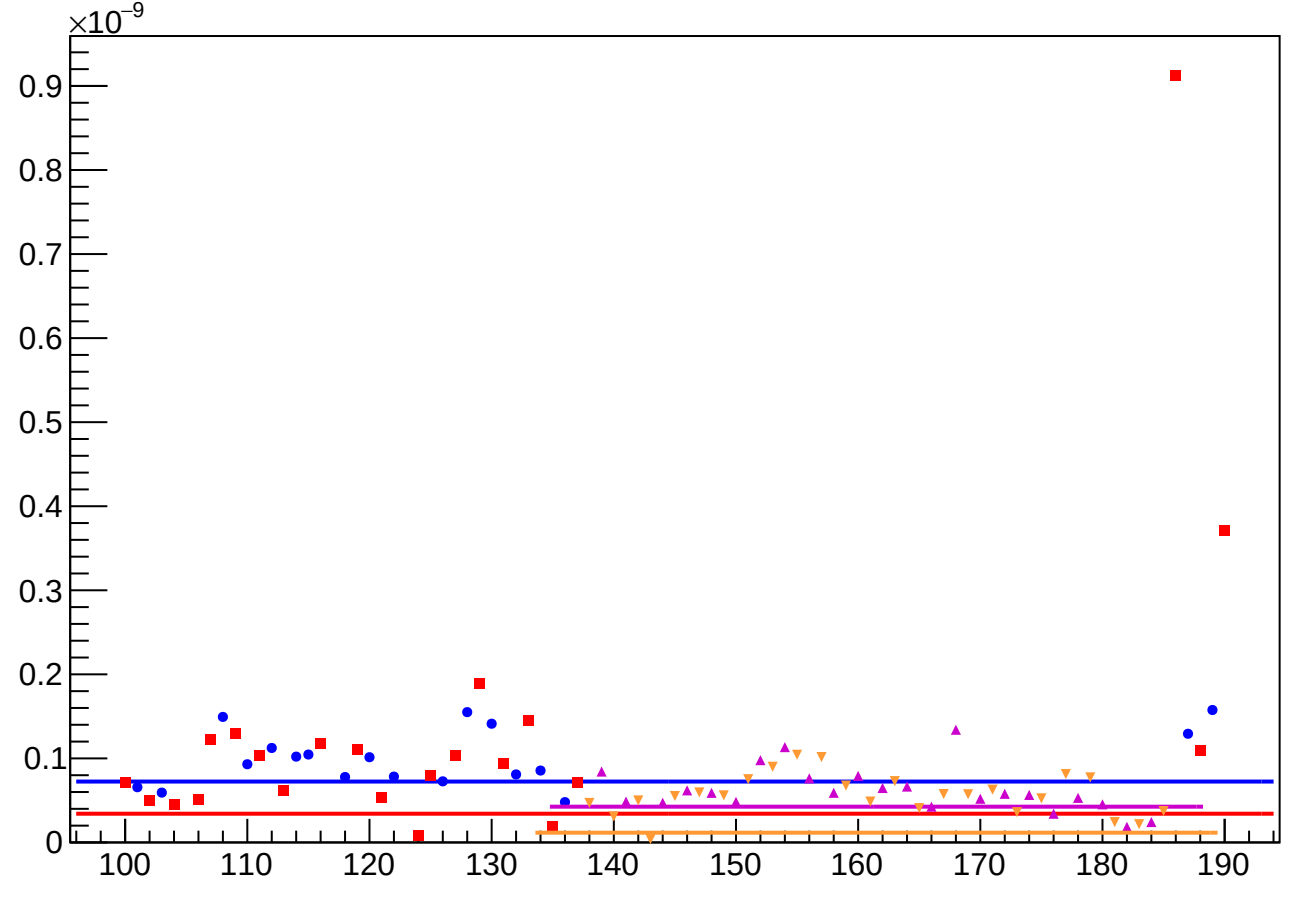
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

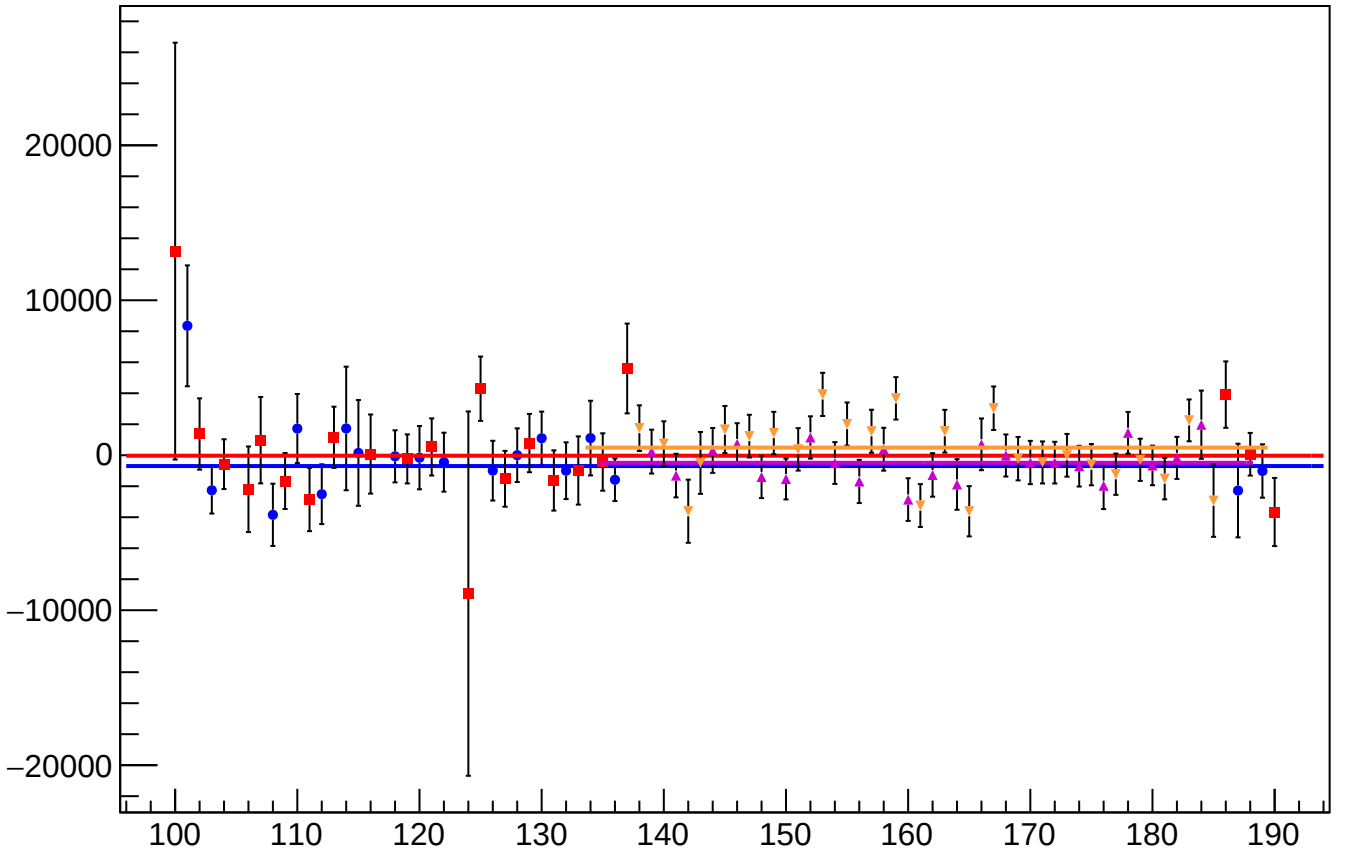
Right: 0.000+/-0.000 χ^2/NDF: 34.3/39

In: 0.000+/-0.000 χ^2/NDF:29.2/40

Out: 0.000+/-0.000 χ^2/NDF:47.9/46

All: 0.000+/-0.000 χ^2/NDF: 78.9/87


asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1258445.7/17
Left Out: 0.000+/-0.000 χ²/NDF:17863822.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5777019.2/21
Left In: 0.000+/-0.000 χ²/NDF:5419961.9/22
Left: 0.000+/-0.000 χ²/NDF: 32408011.0/47
Right: 0.000+/-0.000 χ²/NDF: 8845324.3/39
In: 0.000+/-0.000 χ²/NDF:8019018.7/40
Out: 0.000+/-0.000 χ²/NDF:25704554.3/46
All: 0.000+/-0.000 χ²/NDF: 45723241.3/87



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -30.143+/-440.413 χ^2/NDF: 22.0/21

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

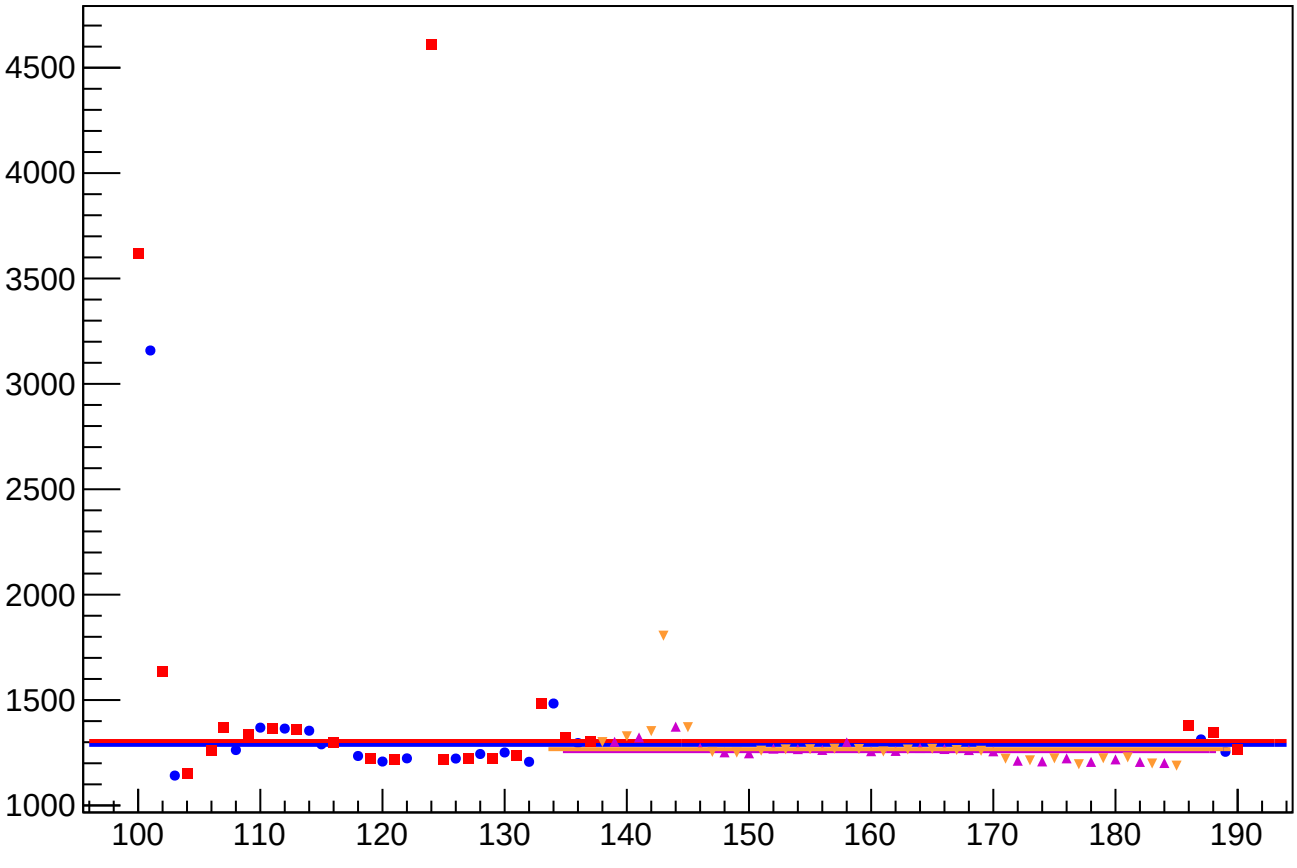
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -346.313+/-319.599 χ^2/NDF: 37.3/39

In: -547.163+/-248.284 χ^2/NDF:28.8/40

Out: 335.266+/-241.328 χ^2/NDF:69.9/46

All: -93.414+/-173.051 χ^2/NDF: 105.2/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1305.601+/-0.311 χ^2/NDF: 324540.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

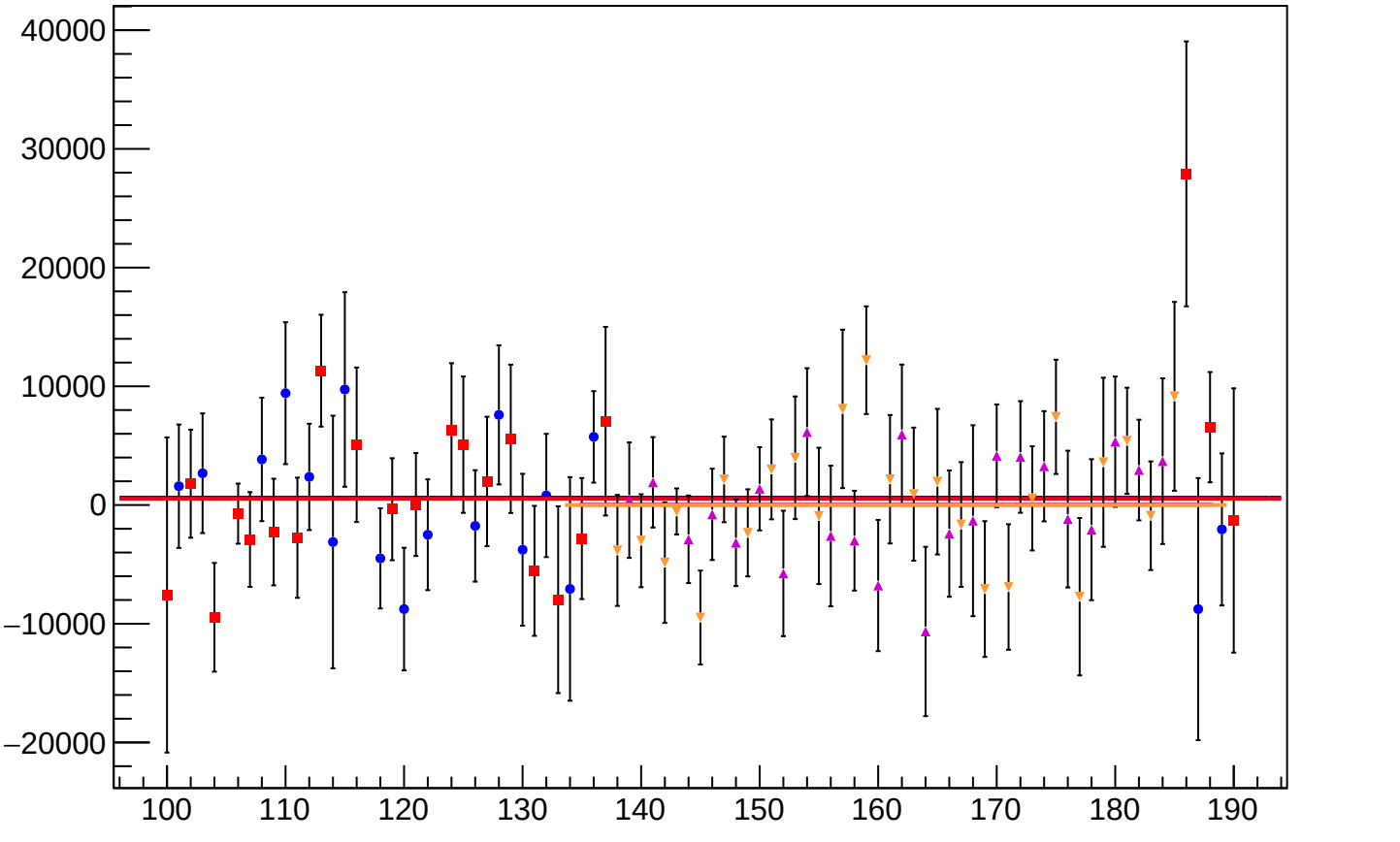
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

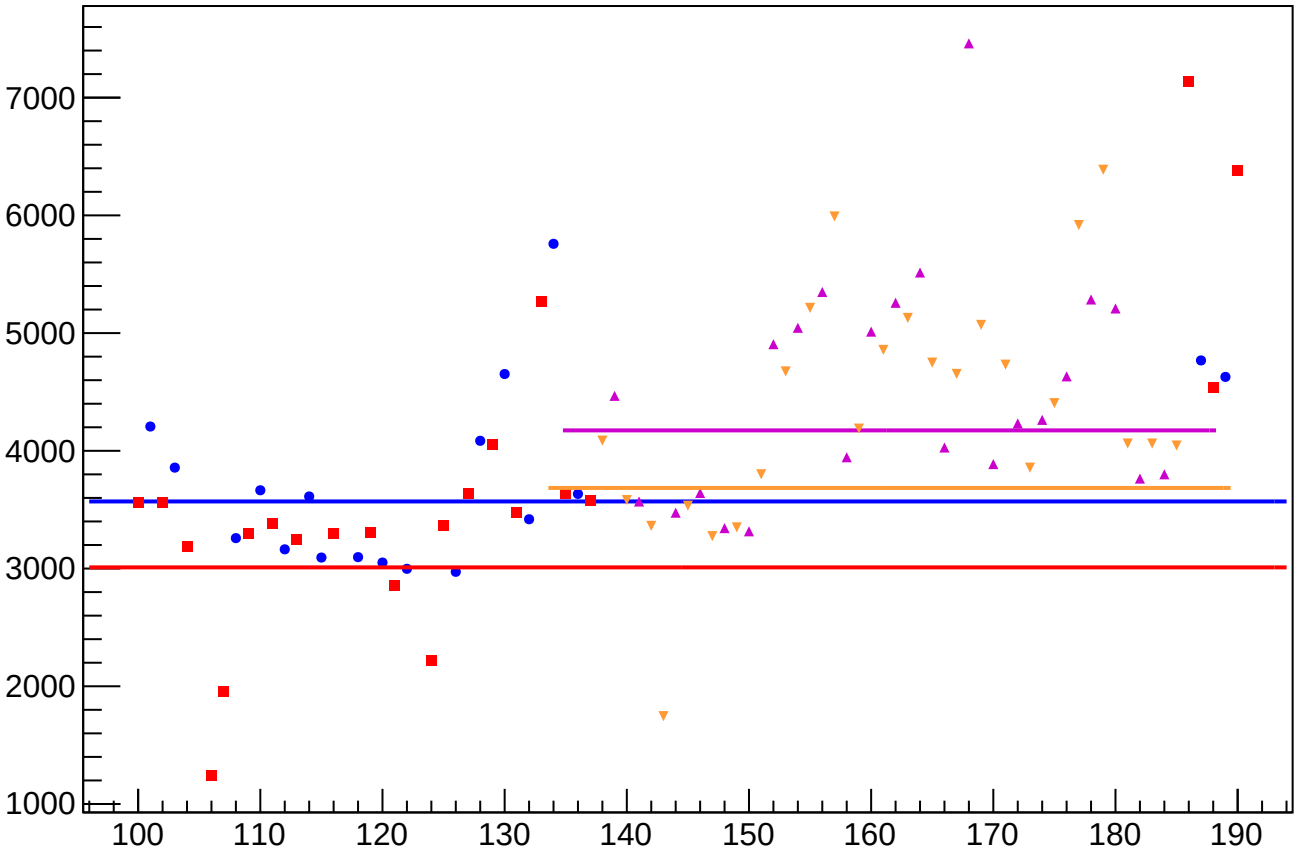
Right: 1297.041+/-0.226 χ^2/NDF: 841737.9/39

In: 1266.101+/-0.176 χ^2/NDF:558336.5/40

Out: 1278.602+/-0.171 χ^2/NDF:522887.5/46

All: 1272.533+/-0.122 χ^2/NDF: 1083832.8/87


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 620.492+/-1288.899 χ²/NDF: 15.0/17
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 521.331+/-1070.574 χ²/NDF: 26.4/21
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 561.814+/-823.539 χ²/NDF: 41.4/39
In: 251.592+/-787.787 χ²/NDF:29.1/40
Out: 211.700+/-682.790 χ²/NDF:55.6/46
All: 228.812+/-515.964 χ²/NDF: 84.7/87



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3009.926+/-0.757 χ^2/NDF: 2216475.4/21

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

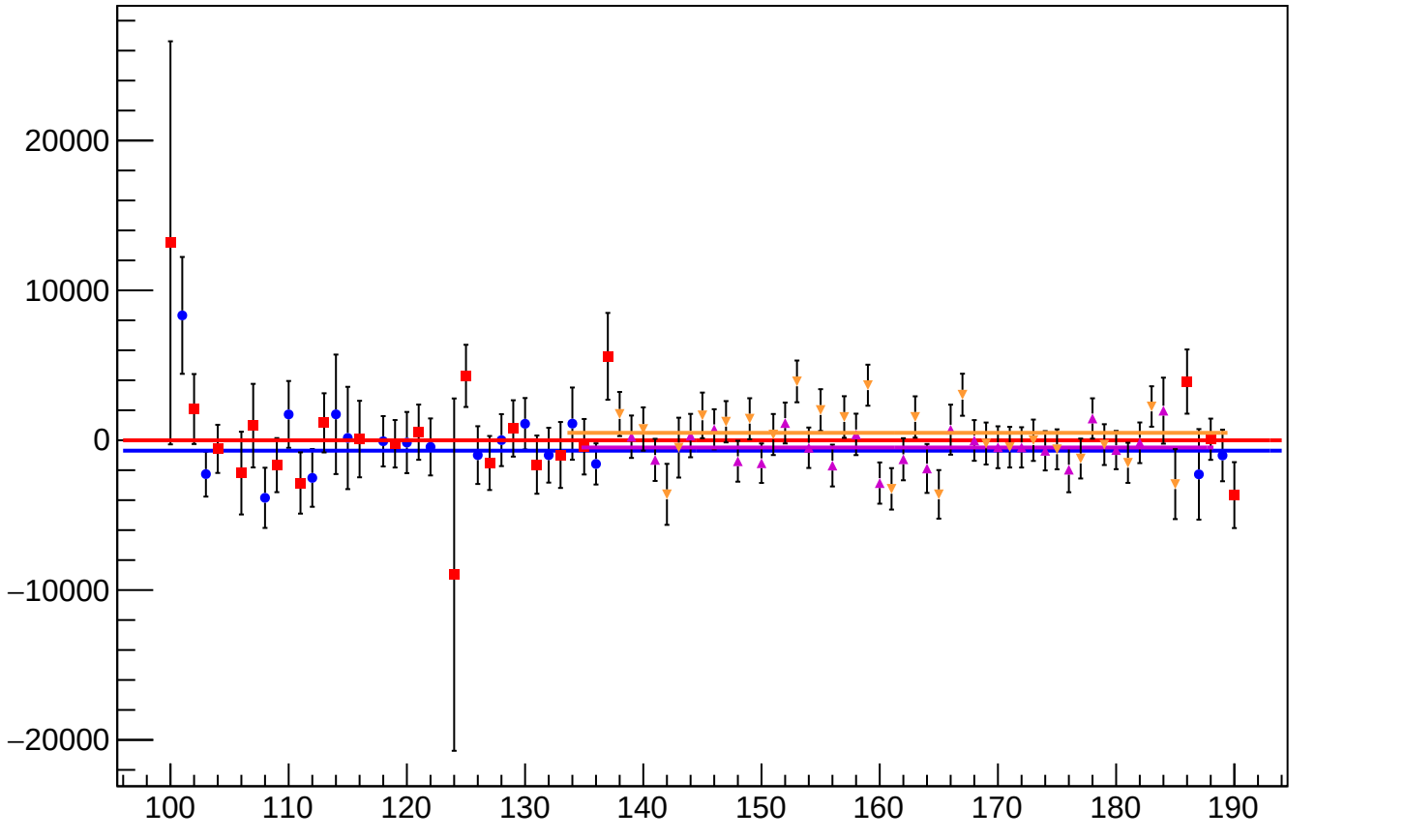
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3238.569+/-0.582 χ^2/NDF: 2876504.9/39

In: 3948.073+/-0.557 χ^2/NDF:1986291.4/40

Out: 3410.268+/-0.483 χ^2/NDF:6381565.7/46

All: 3640.967+/-0.365 χ^2/NDF: 8900119.4/87



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -6.459+/-440.651 χ^2/NDF: 22.4/21

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

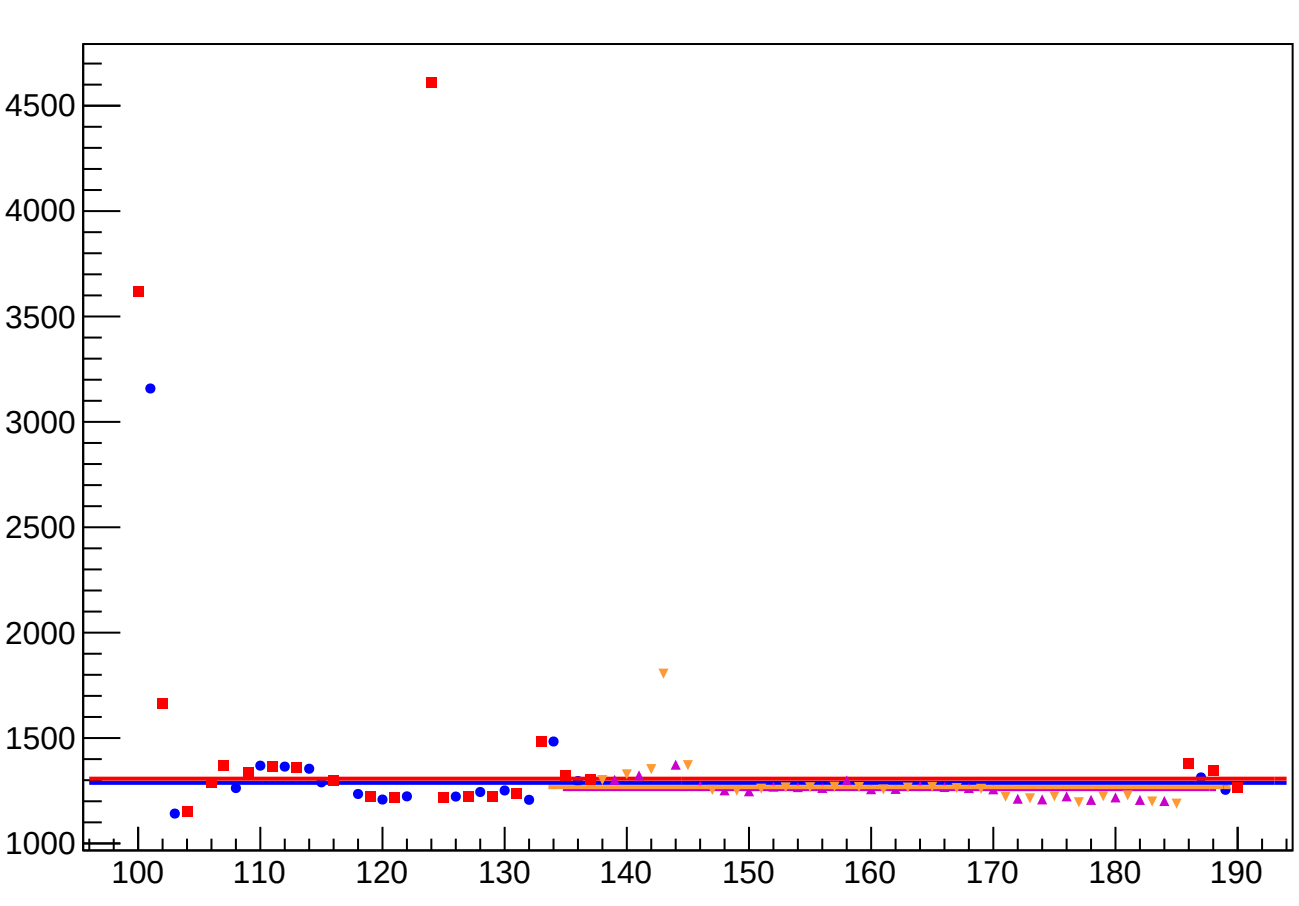
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -334.201+/-319.690 χ^2/NDF: 37.8/39

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 342.502+/-241.367 χ^2/NDF:70.2/46

All: -89.782+/-173.066 χ^2/NDF: 105.6/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF: 330840.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

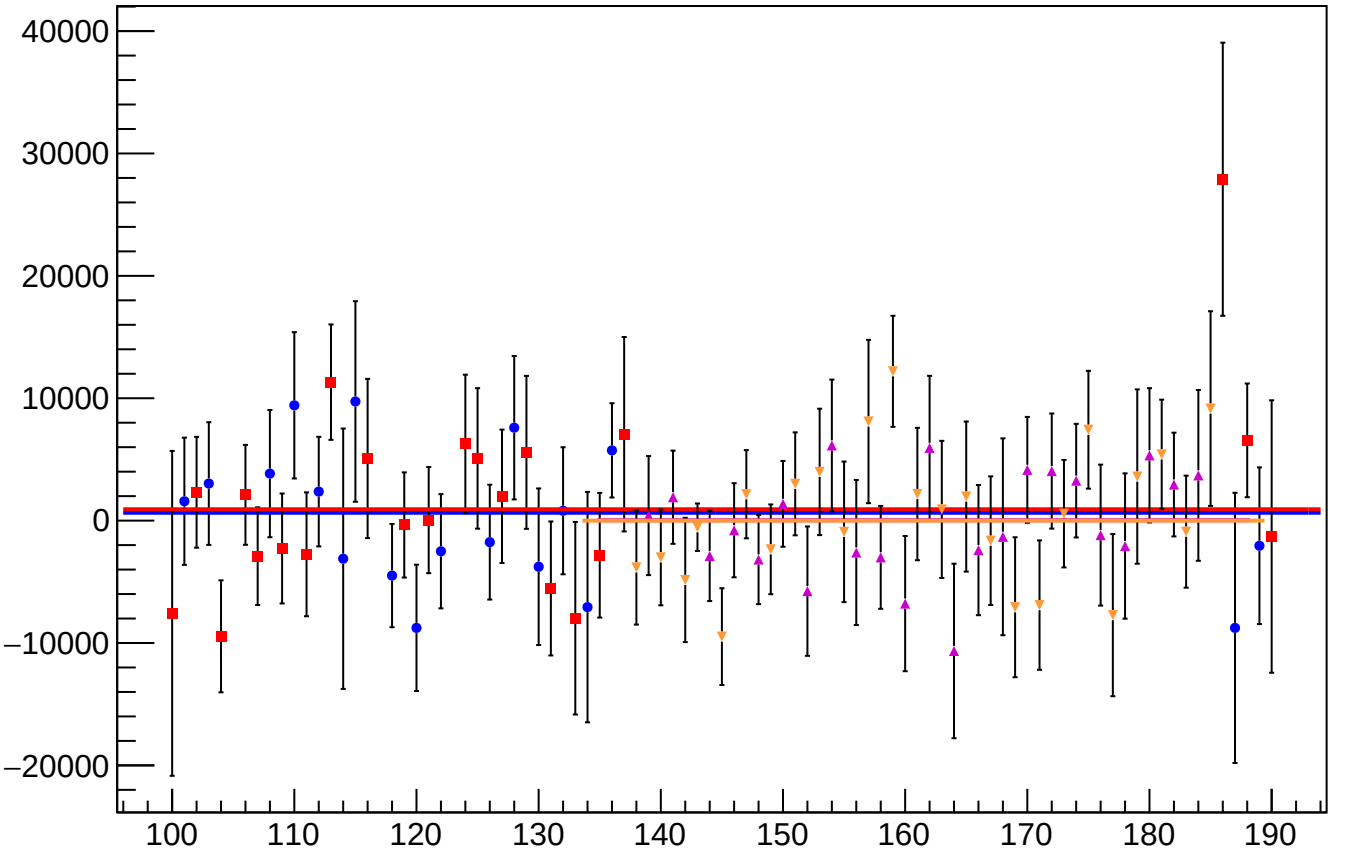
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.911+/-0.226 χ^2/NDF: 848347.1/39

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.086+/-0.171 χ^2/NDF:530122.7/46

All: 1272.780+/-0.122 χ^2/NDF: 1091274.1/87



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 927.344+/-1134.615 χ^2/NDF: 26.3/21

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

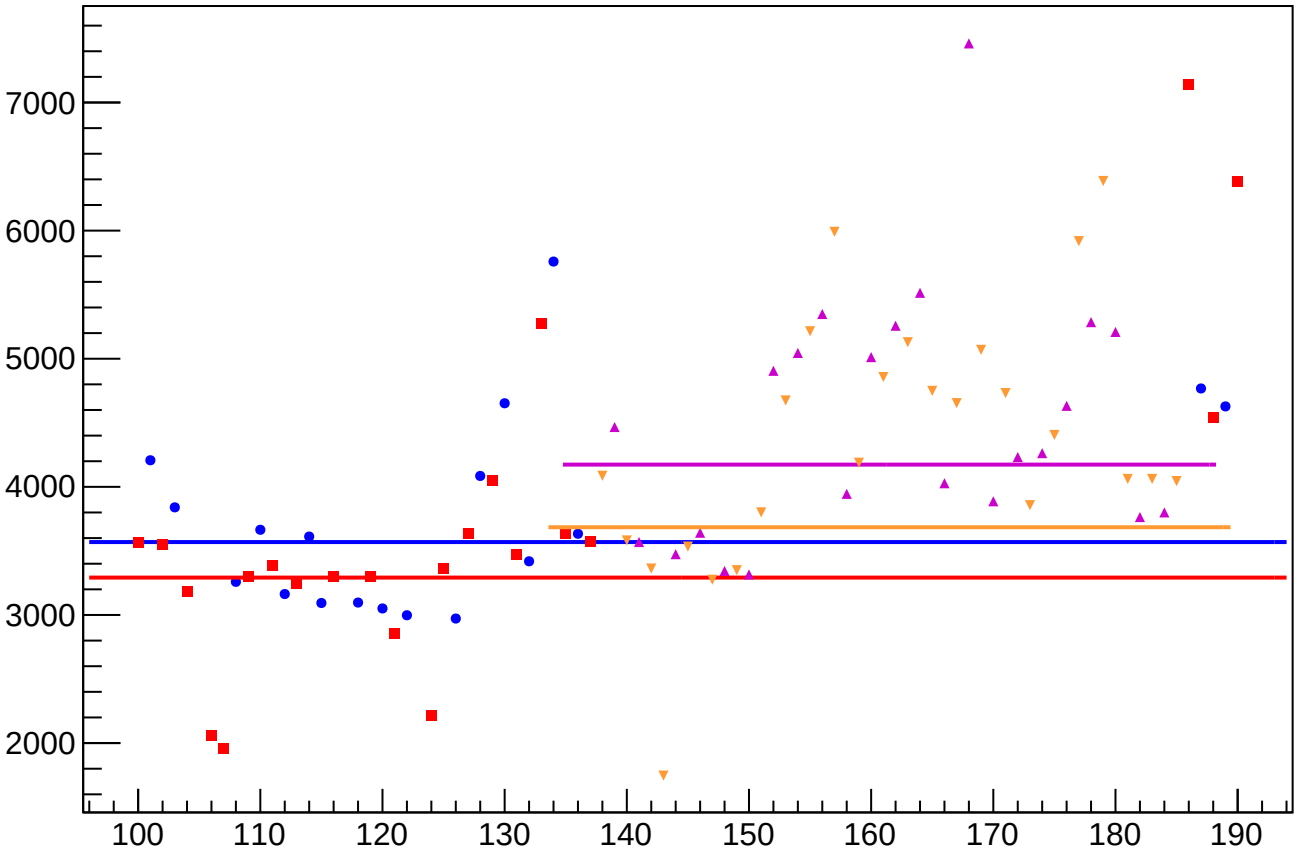
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 804.023+/-851.524 χ^2/NDF: 41.3/39

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 351.178+/-698.553 χ^2/NDF:55.7/46

All: 311.407+/-522.637 χ^2/NDF: 84.9/87



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF: 1222238.2/21

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

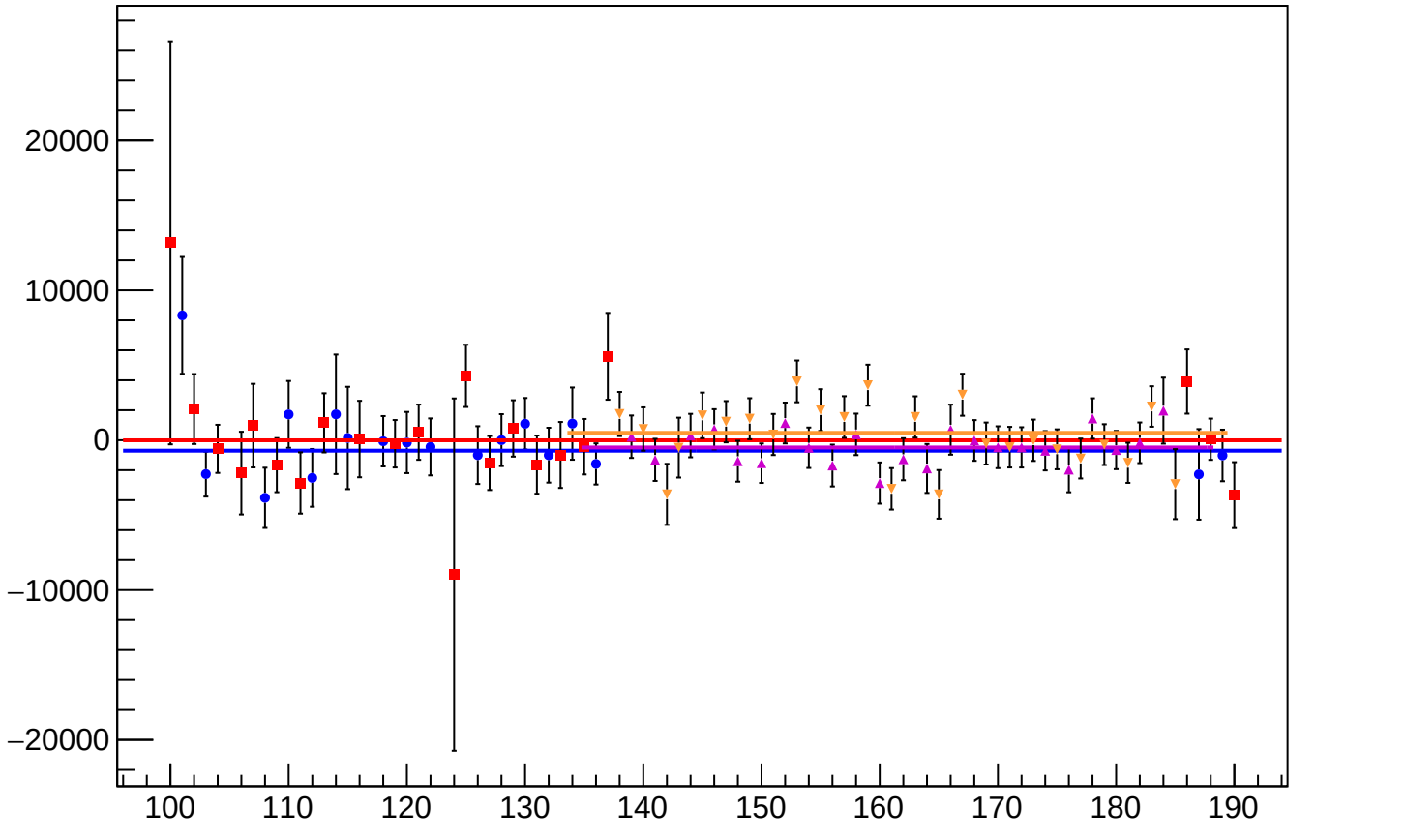
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3412.878+/-0.602 χ^2/NDF: 1710390.4/39

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3535.793+/-0.494 χ^2/NDF:5064921.5/46

All: 3717.104+/-0.370 χ^2/NDF: 7357585.2/87



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -6.459+/-440.651 χ^2/NDF: 22.4/21

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

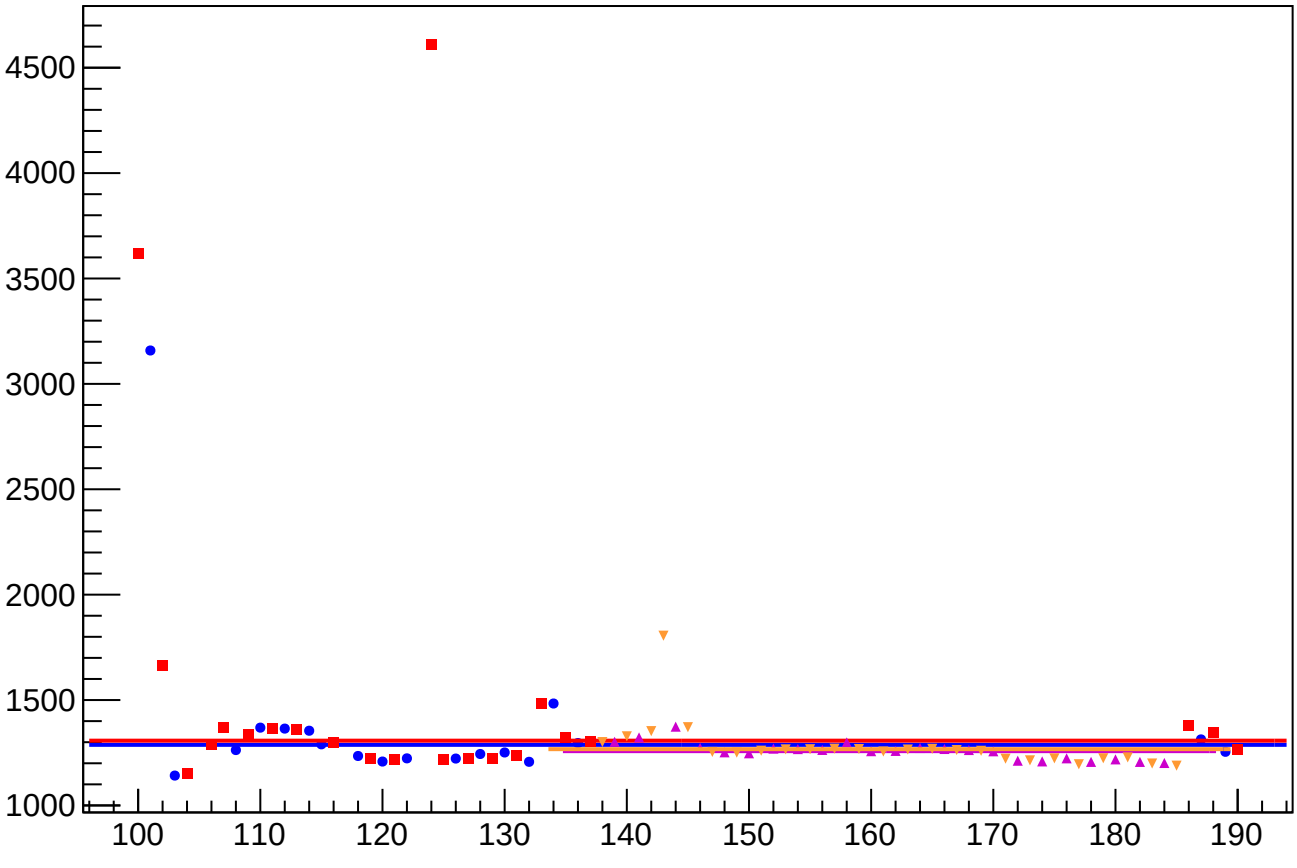
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -334.201+/-319.690 χ^2/NDF: 37.8/39

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 342.502+/-241.367 χ^2/NDF:70.2/46

All: -89.782+/-173.066 χ^2/NDF: 105.6/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF: 330840.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

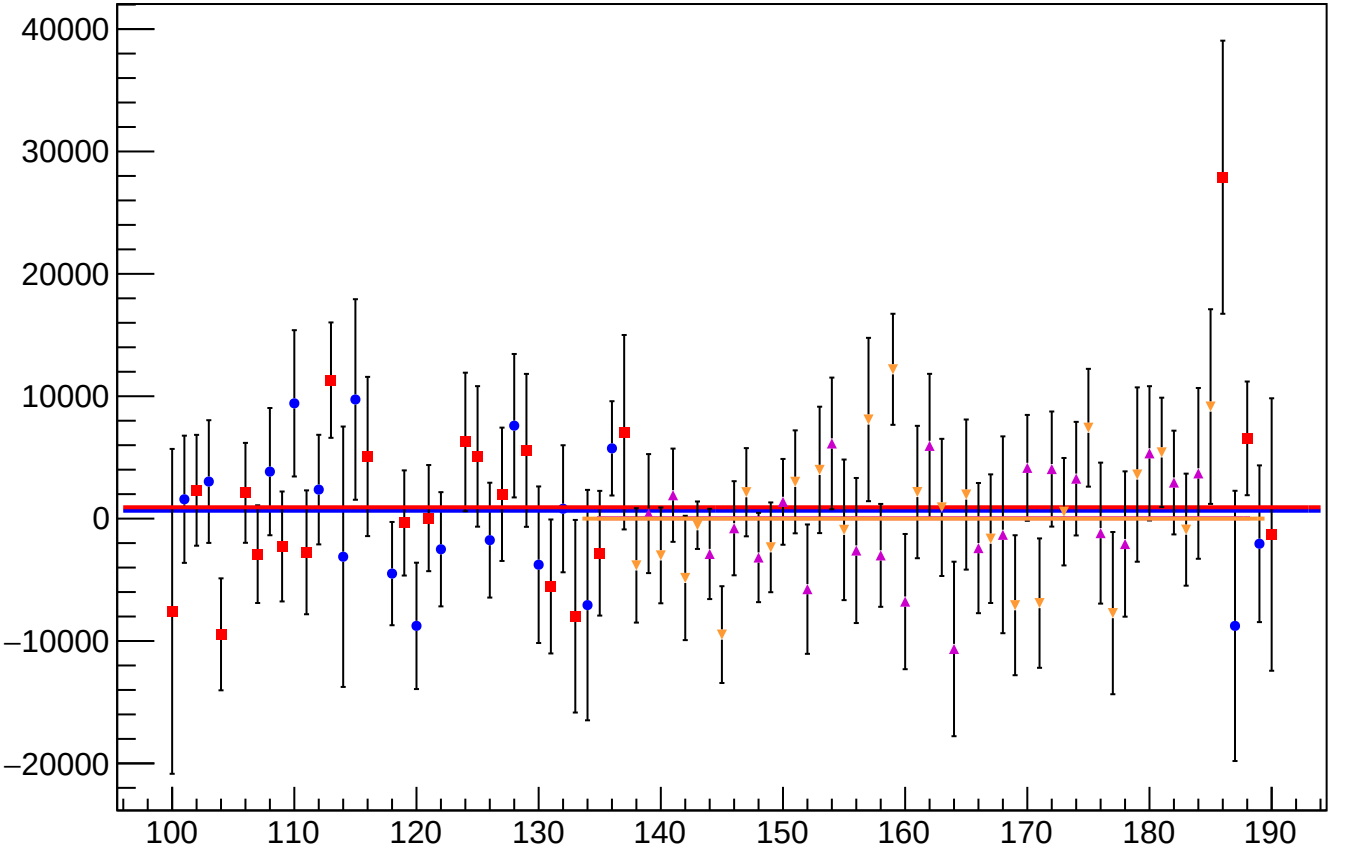
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.911+/-0.226 χ^2/NDF: 848347.1/39

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.086+/-0.171 χ^2/NDF:530122.7/46

All: 1272.780+/-0.122 χ^2/NDF: 1091274.1/87



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 927.344+/-1134.615 χ^2/NDF: 26.3/21

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

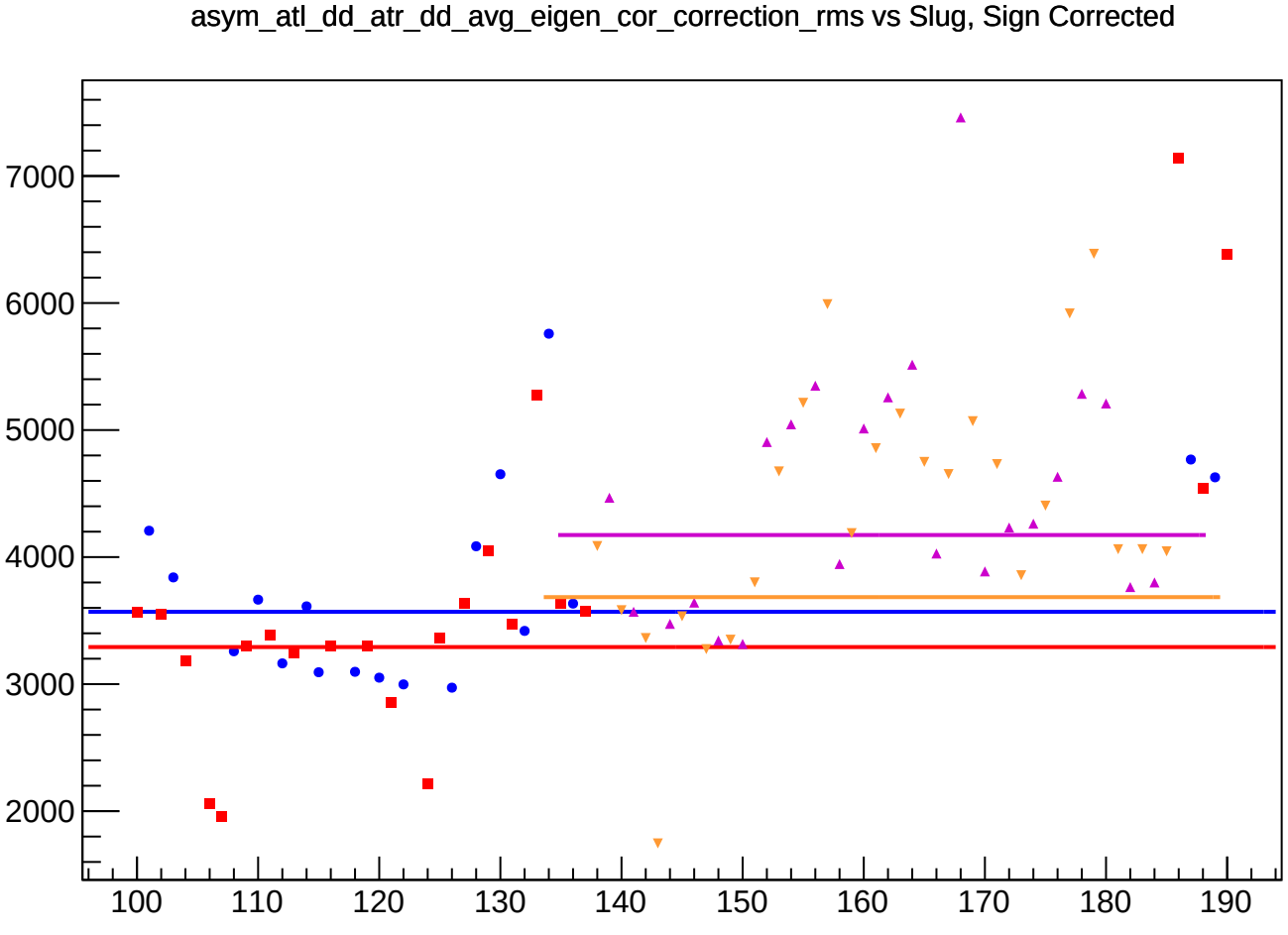
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 804.023+/-851.524 χ^2/NDF: 41.3/39

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 351.178+/-698.553 χ^2/NDF:55.7/46

All: 311.407+/-522.637 χ^2/NDF: 84.9/87



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF: 1222238.2/21

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

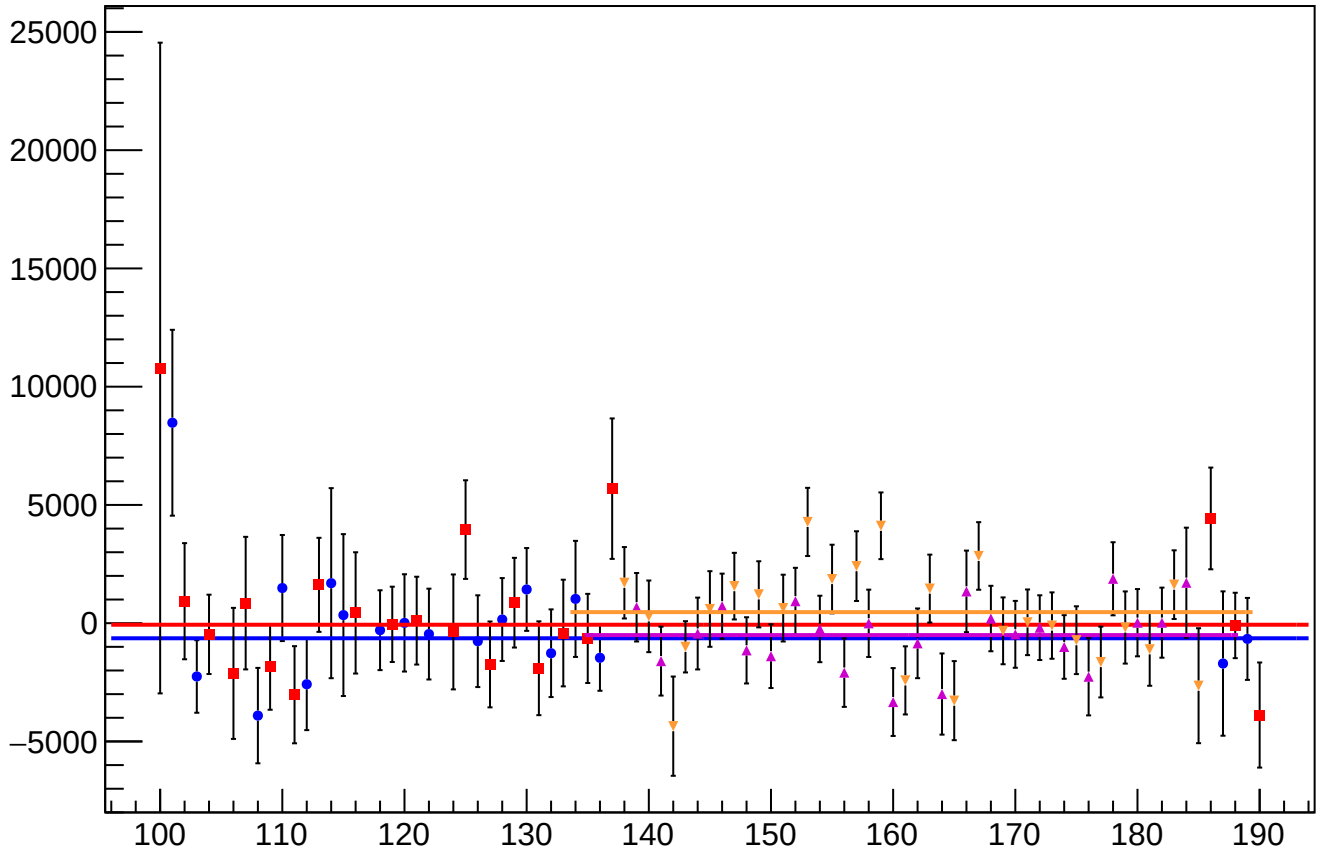
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3412.878+/-0.602 χ^2/NDF: 1710390.4/39

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3535.793+/-0.494 χ^2/NDF:5064921.5/46

All: 3717.104+/-0.370 χ^2/NDF: 7357585.2/87



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -65.657+/-439.237 χ^2/NDF: 22.2/21

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

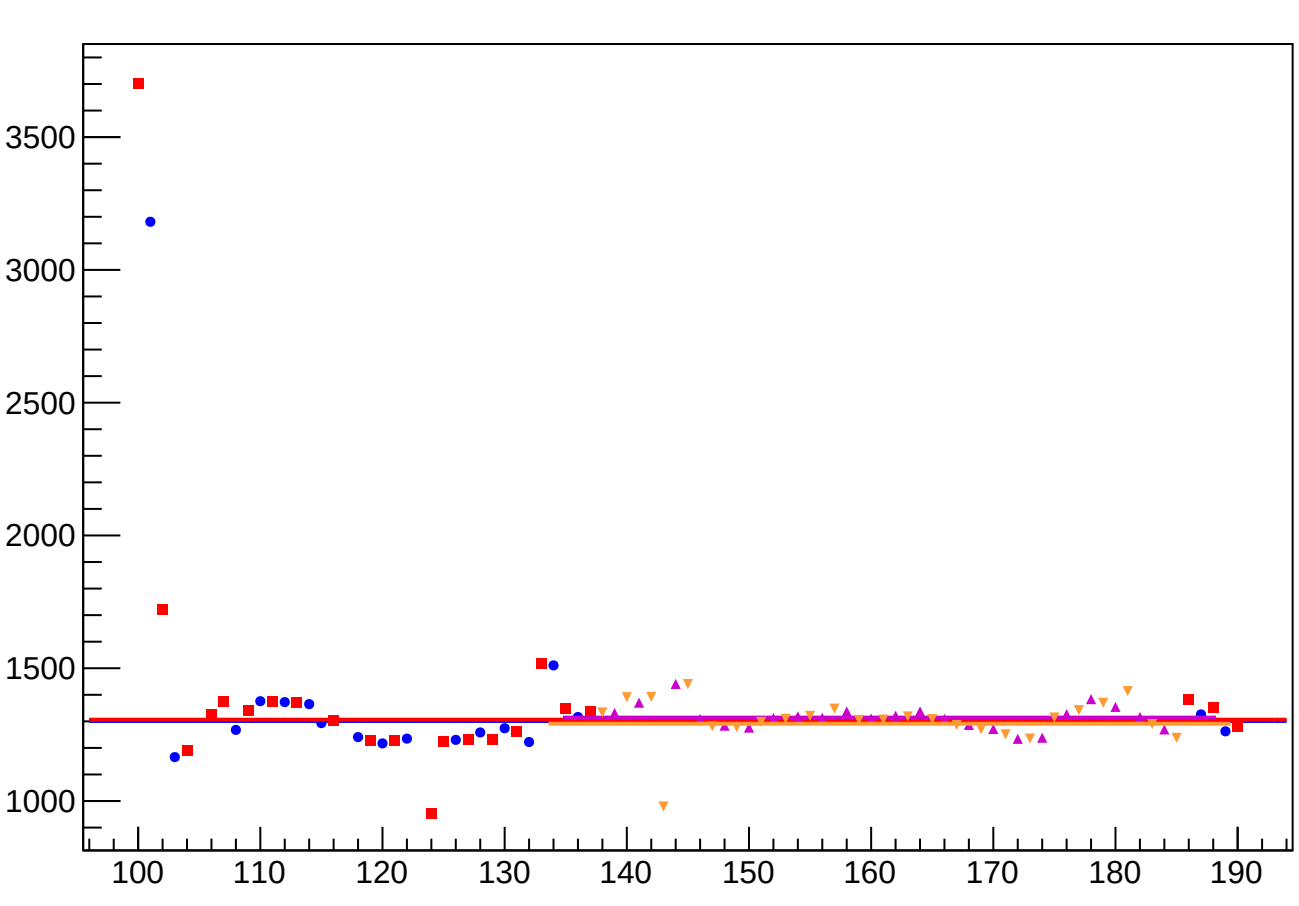
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -332.737+/-320.778 χ^2/NDF: 37.2/39

In: -543.823+/-256.990 χ^2/NDF:31.7/40

Out: 302.637+/-244.468 χ^2/NDF:67.3/46

All: -99.469+/-177.126 χ^2/NDF: 104.7/87



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1306.216+/-0.310 χ^2/NDF: 218896.5/21

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

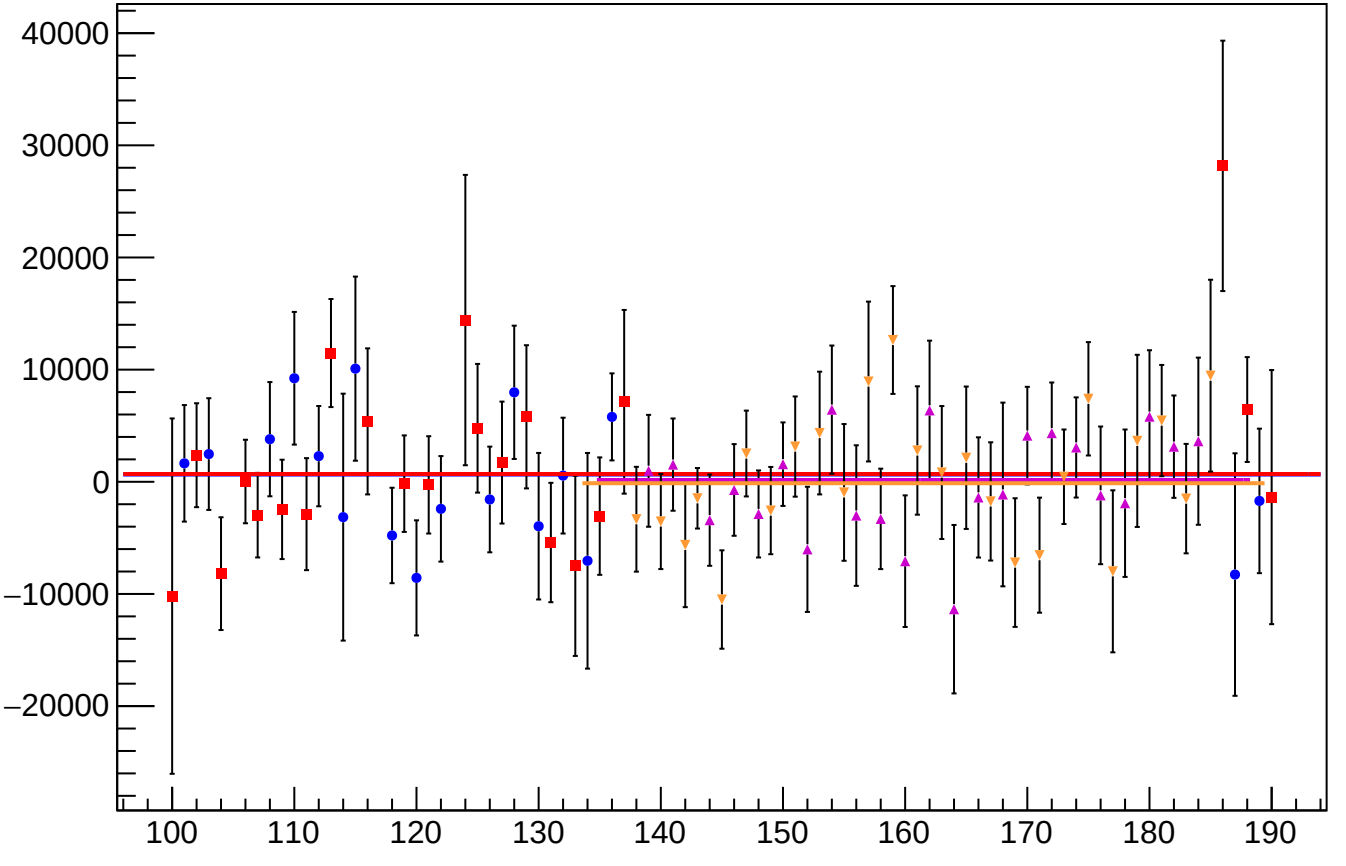
Right: 1304.050+/-0.227 χ^2/NDF: 730790.6/39

In: 1310.282+/-0.182 χ^2/NDF:555816.7/40

Out: 1295.863+/-0.173 χ^2/NDF:451244.1/46

All: 1302.711+/-0.125 χ^2/NDF: 1010366.3/87

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 693.747+/-1150.121 χ^2/NDF: 24.7/21

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

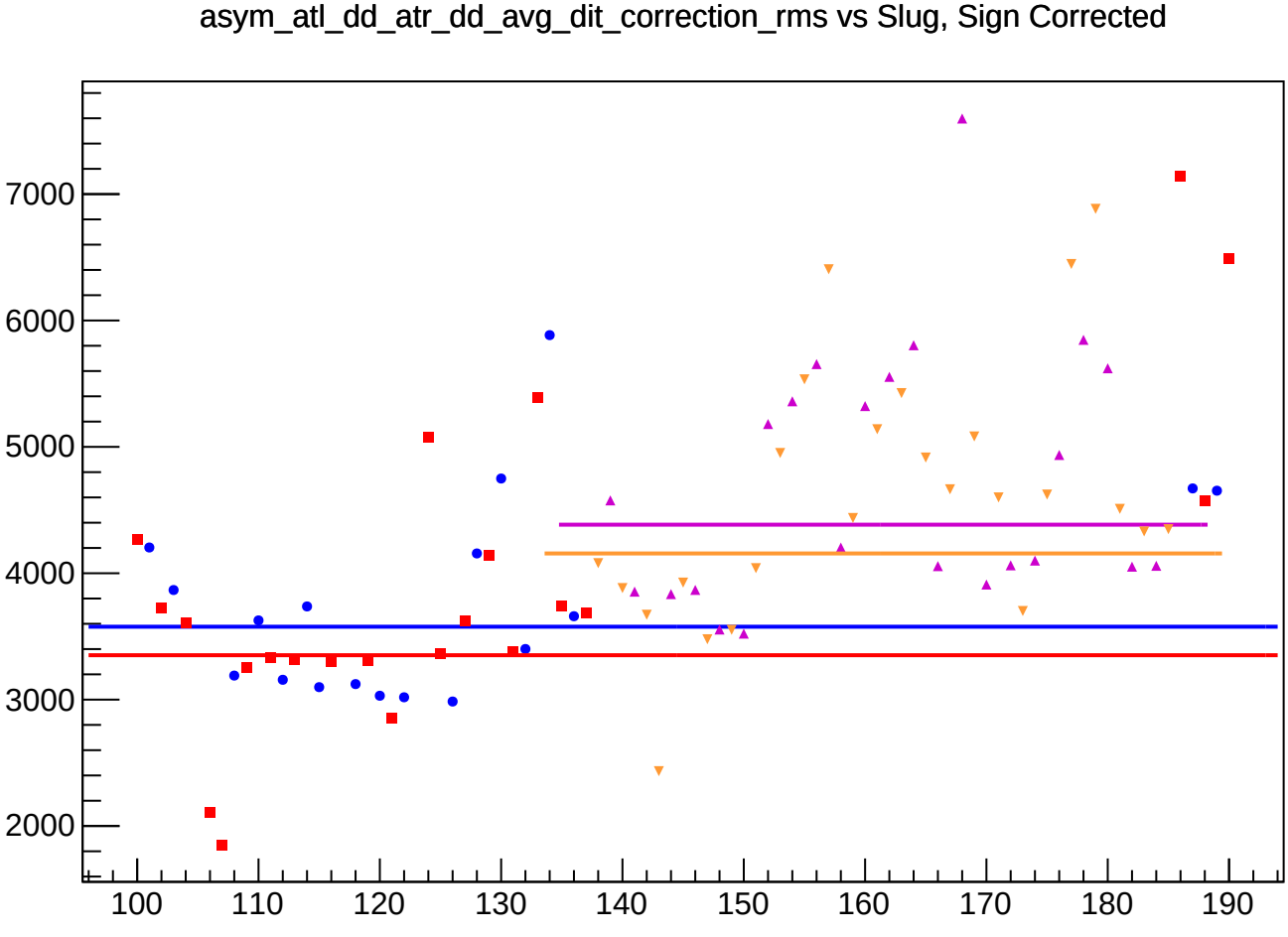
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 674.222+/-858.701 χ^2/NDF: 39.7/39

In: 353.640+/-812.436 χ^2/NDF:28.8/40

Out: 216.950+/-744.709 χ^2/NDF:53.6/46

All: 279.361+/-548.974 χ^2/NDF: 82.5/87



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3351.477+/-0.813 χ^2/NDF: 1327397.5/21

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

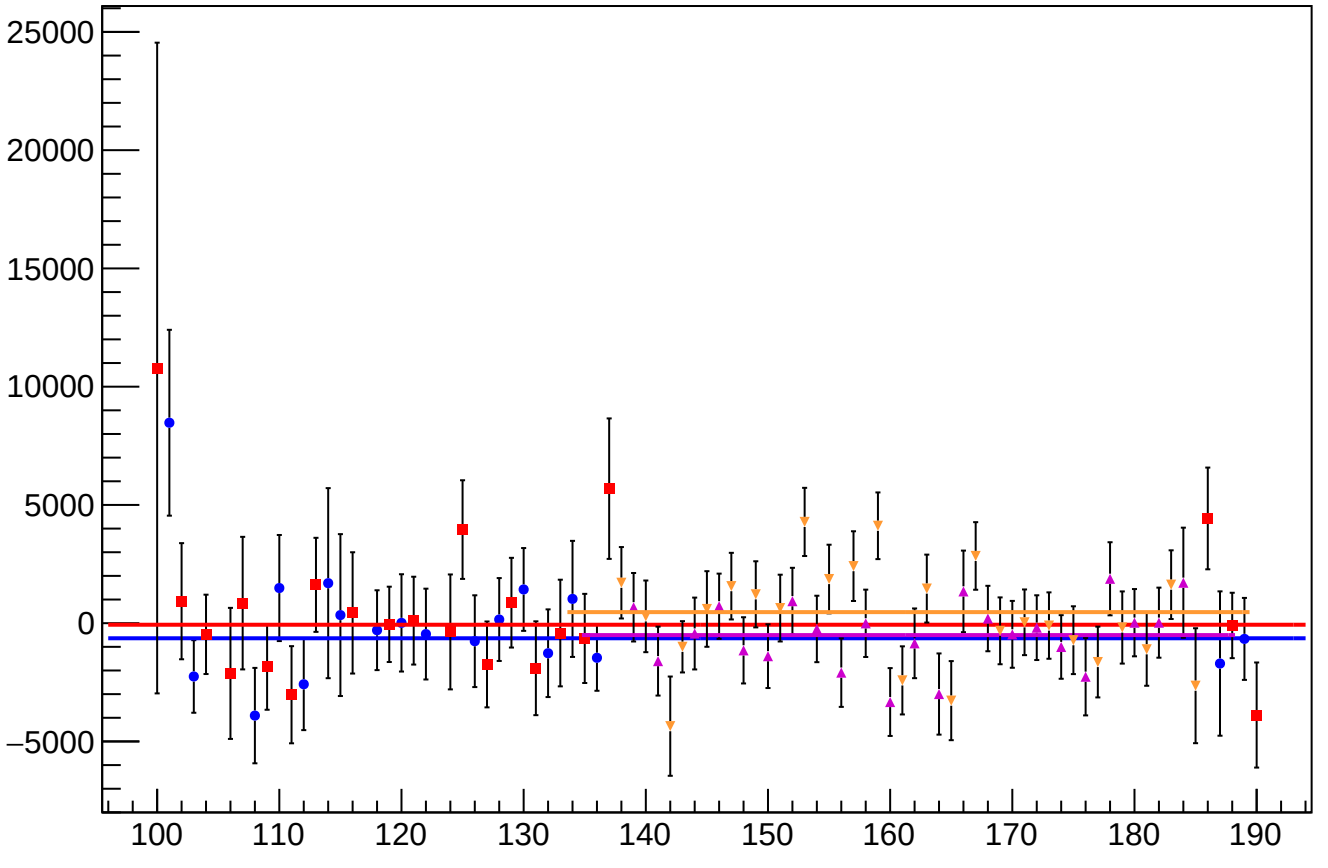
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3451.257+/-0.607 χ^2/NDF: 1817197.1/39

In: 4064.470+/-0.574 χ^2/NDF:2183758.6/40

Out: 3819.031+/-0.527 χ^2/NDF:3977314.6/46

All: 3931.095+/-0.388 χ^2/NDF: 6260263.4/87



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -65.663+/-439.237 χ^2/NDF: 22.2/21

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

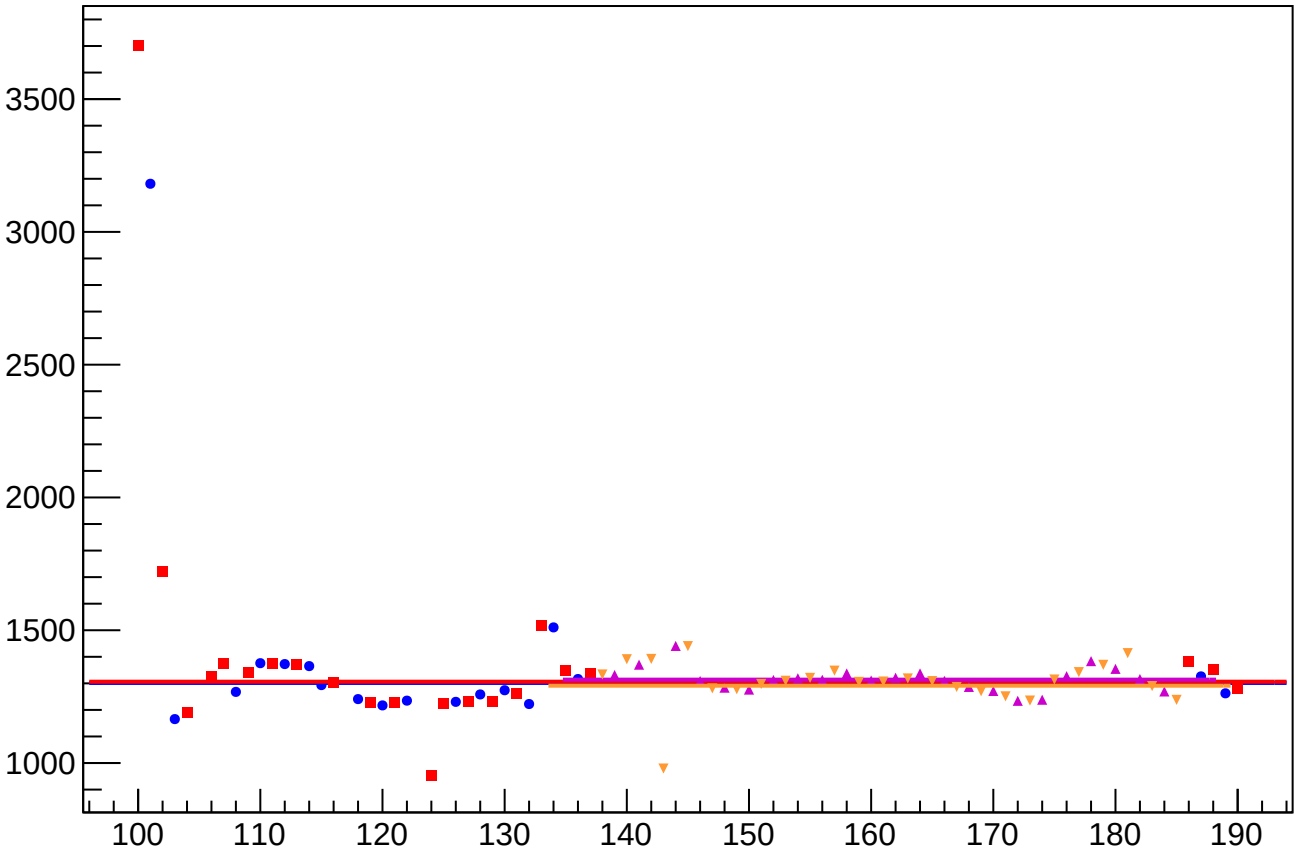
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -332.742+/-320.778 χ^2/NDF: 37.2/39

In: -543.824+/-256.990 χ^2/NDF:31.7/40

Out: 302.638+/-244.468 χ^2/NDF:67.3/46

All: -99.469+/-177.127 χ^2/NDF: 104.7/87



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1306.216+/-0.310 χ^2/NDF: 218896.6/21

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

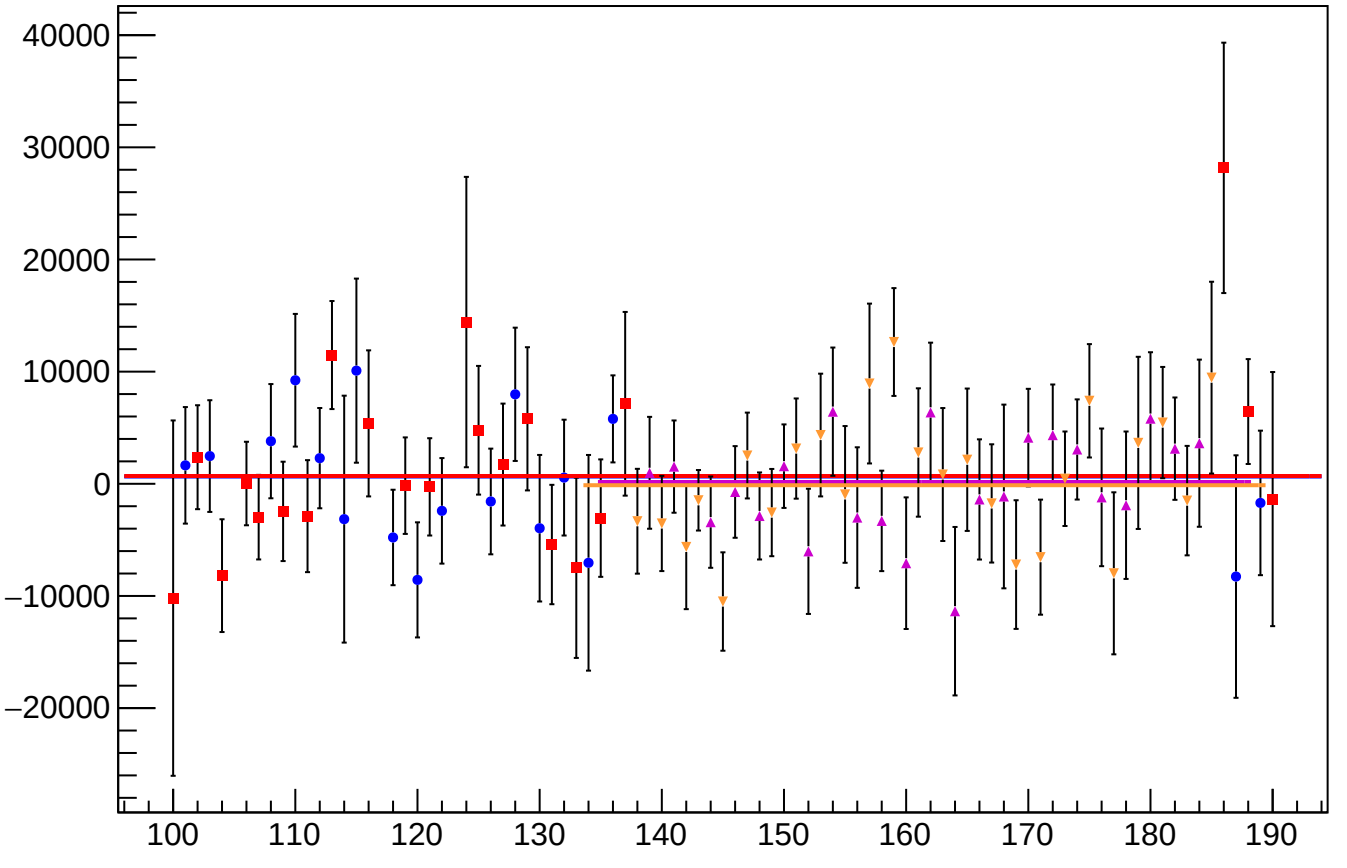
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.050+/-0.227 χ^2/NDF: 730790.8/39

In: 1310.282+/-0.182 χ^2/NDF:555819.2/40

Out: 1295.864+/-0.173 χ^2/NDF:451246.4/46

All: 1302.712+/-0.125 χ^2/NDF: 1010371.1/87



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 693.740+/-1150.118 χ^2/NDF: 24.7/21

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

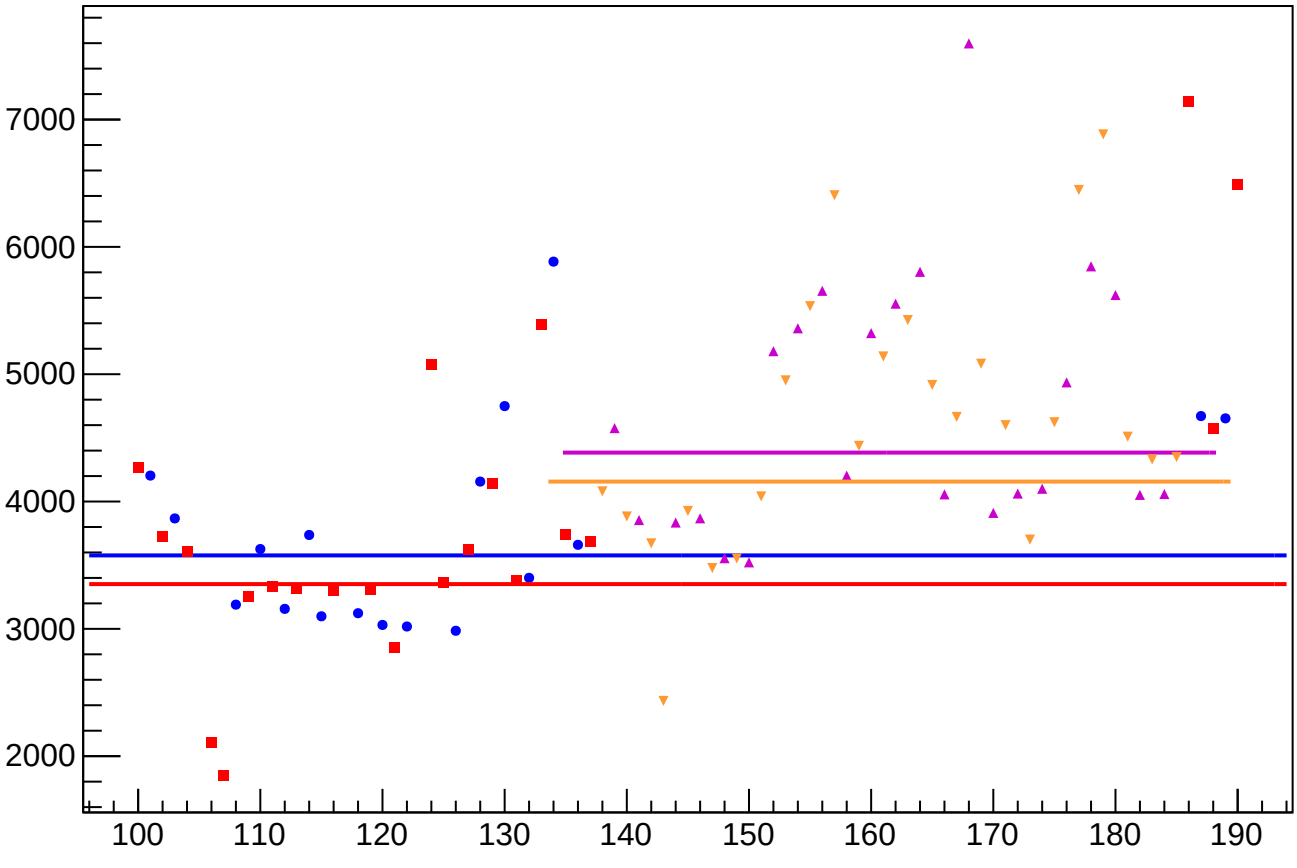
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 674.214+/-858.699 χ^2/NDF: 39.7/39

In: 353.638+/-812.436 χ^2/NDF:28.8/40

Out: 216.951+/-744.709 χ^2/NDF:53.6/46

All: 279.360+/-548.974 χ^2/NDF: 82.5/87



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3351.469+/-0.813 χ^2/NDF: 1327403.2/21

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

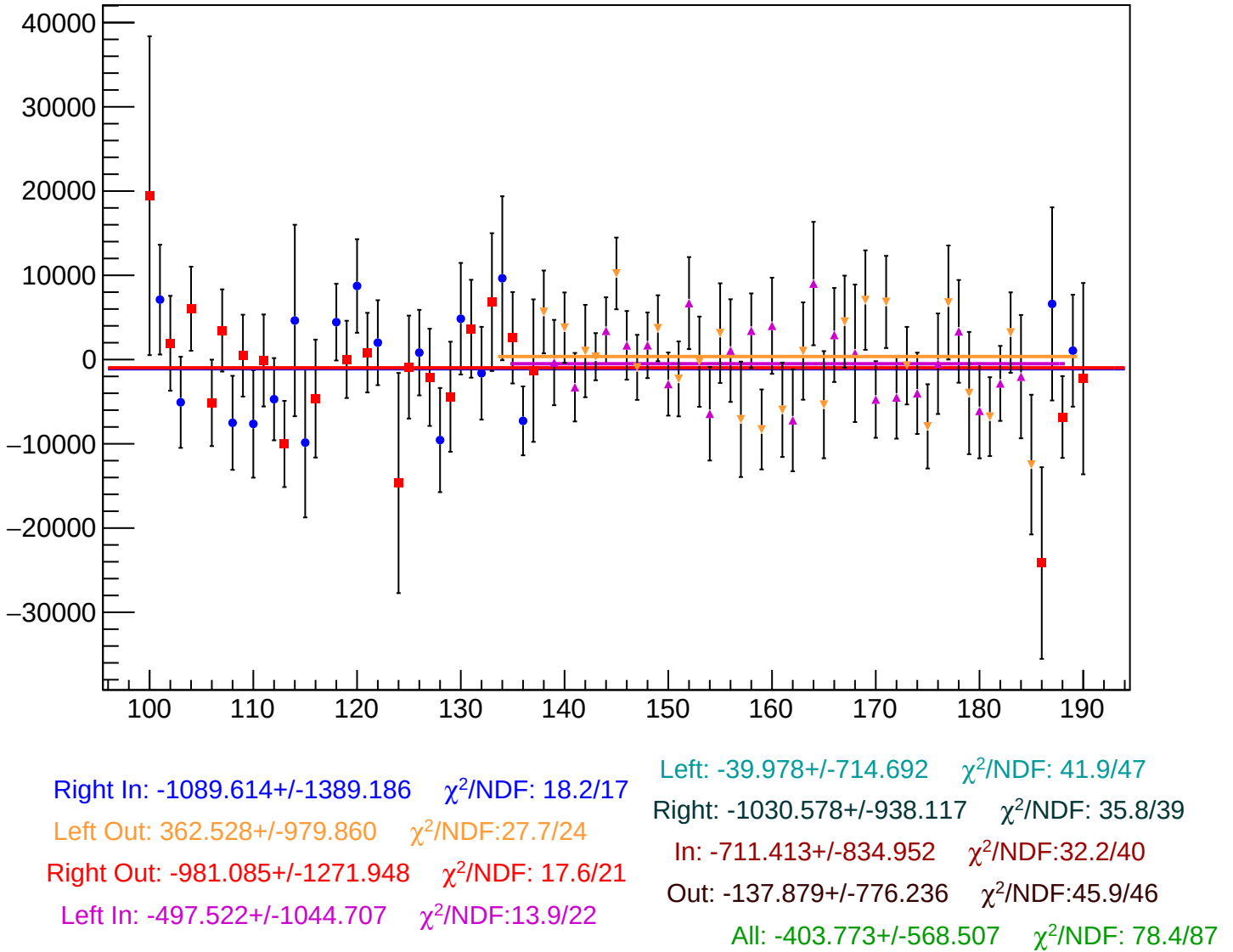
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3451.249+/-0.607 χ^2/NDF: 1817208.9/39

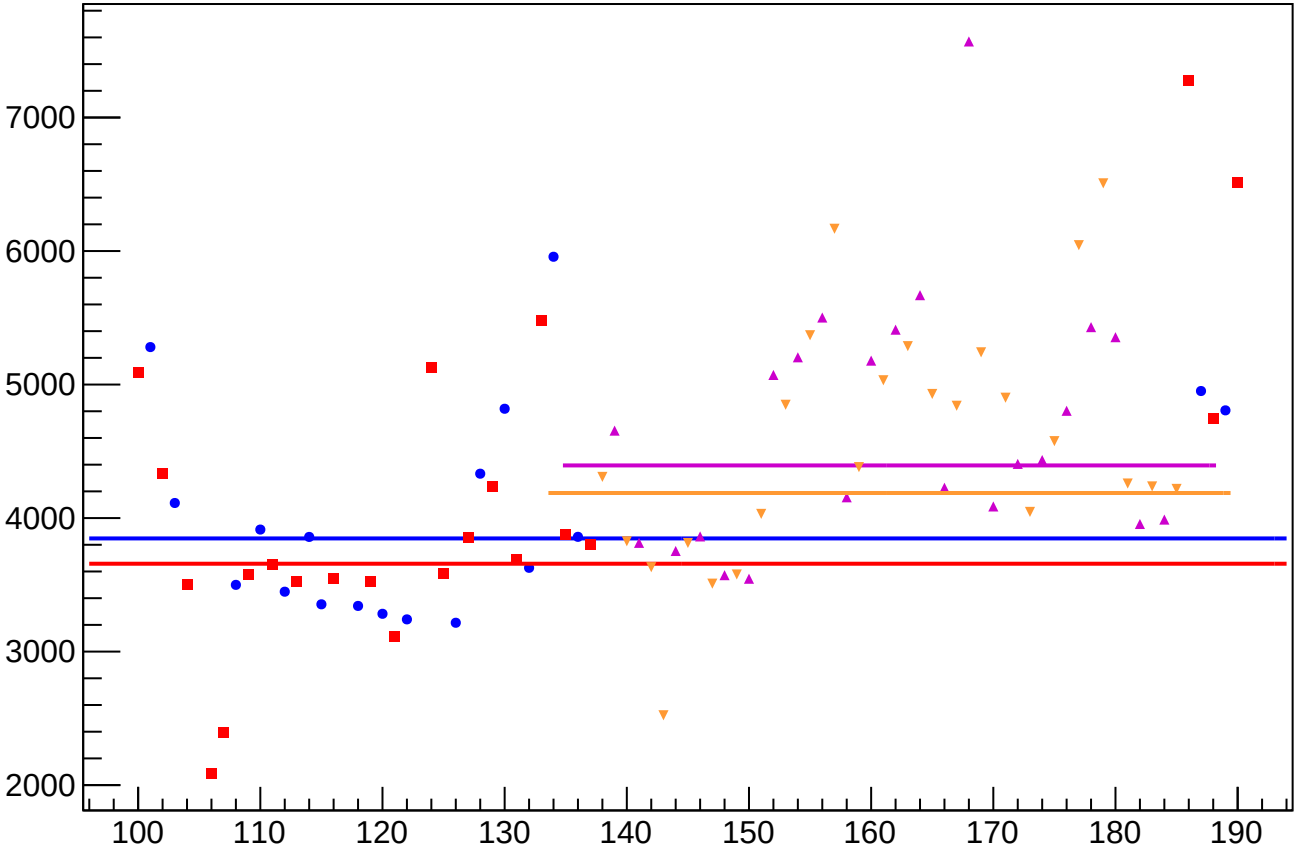
In: 4064.469+/-0.574 χ^2/NDF:2183787.7/40

Out: 3819.030+/-0.527 χ^2/NDF:3977343.7/46

All: 3931.095+/-0.388 χ^2/NDF: 6260321.7/87


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1089.614+/-1389.186 χ²/NDF: 18.2/17
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -981.085+/-1271.948 χ²/NDF: 17.6/21
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -1030.578+/-938.117 χ²/NDF: 35.8/39
In: -711.413+/-834.952 χ²/NDF:32.2/40
Out: -137.879+/-776.236 χ²/NDF:45.9/46
All: -403.773+/-568.507 χ²/NDF: 78.4/87

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3658.073+/-0.888 χ^2/NDF: 1049184.6/21

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

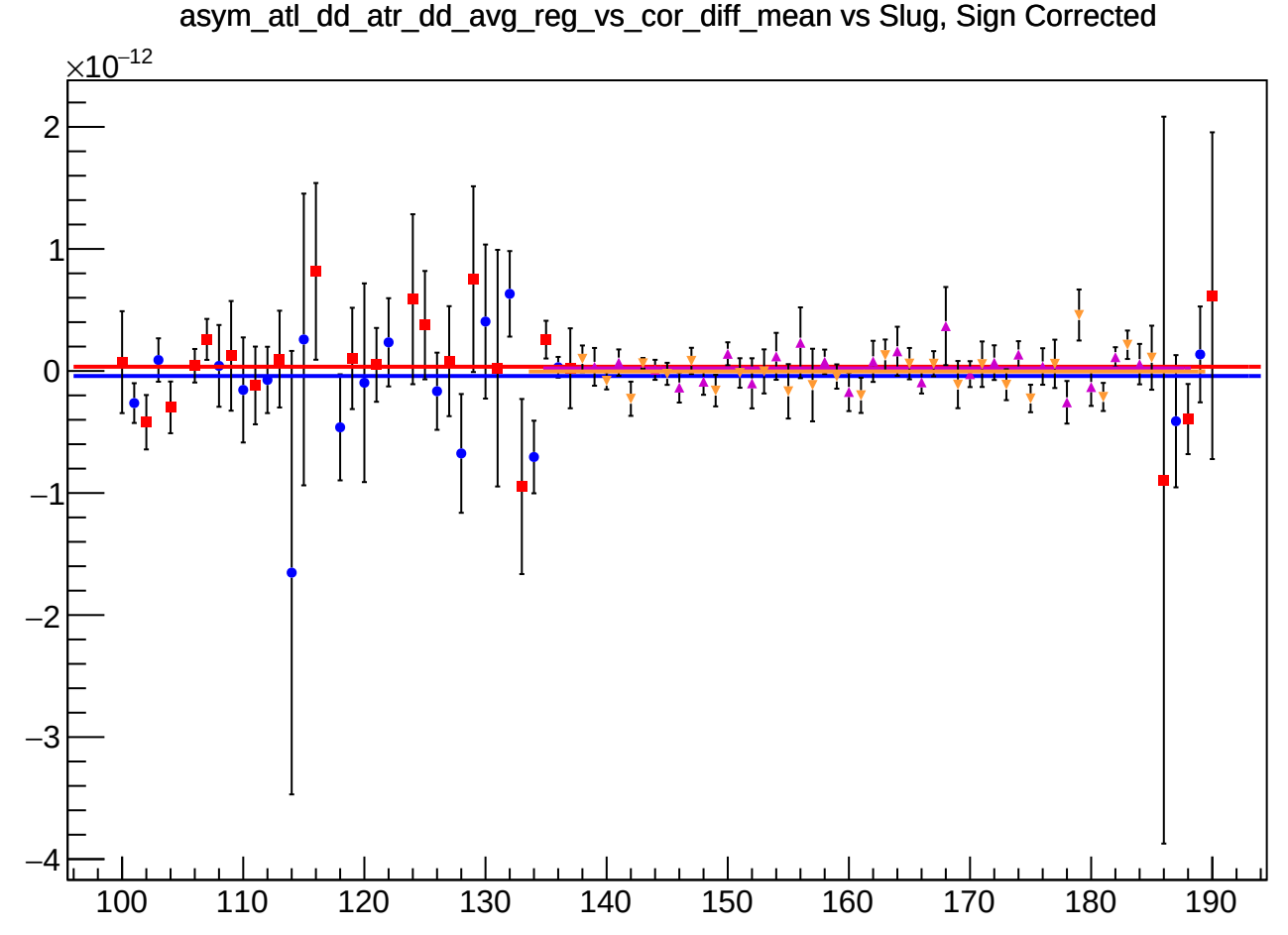
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3743.305+/-0.659 χ^2/NDF: 1516615.3/39

In: 4196.797+/-0.590 χ^2/NDF:1733277.9/40

Out: 3987.447+/-0.546 χ^2/NDF:3066683.5/46

All: 4084.017+/-0.401 χ^2/NDF: 4867696.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/21

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

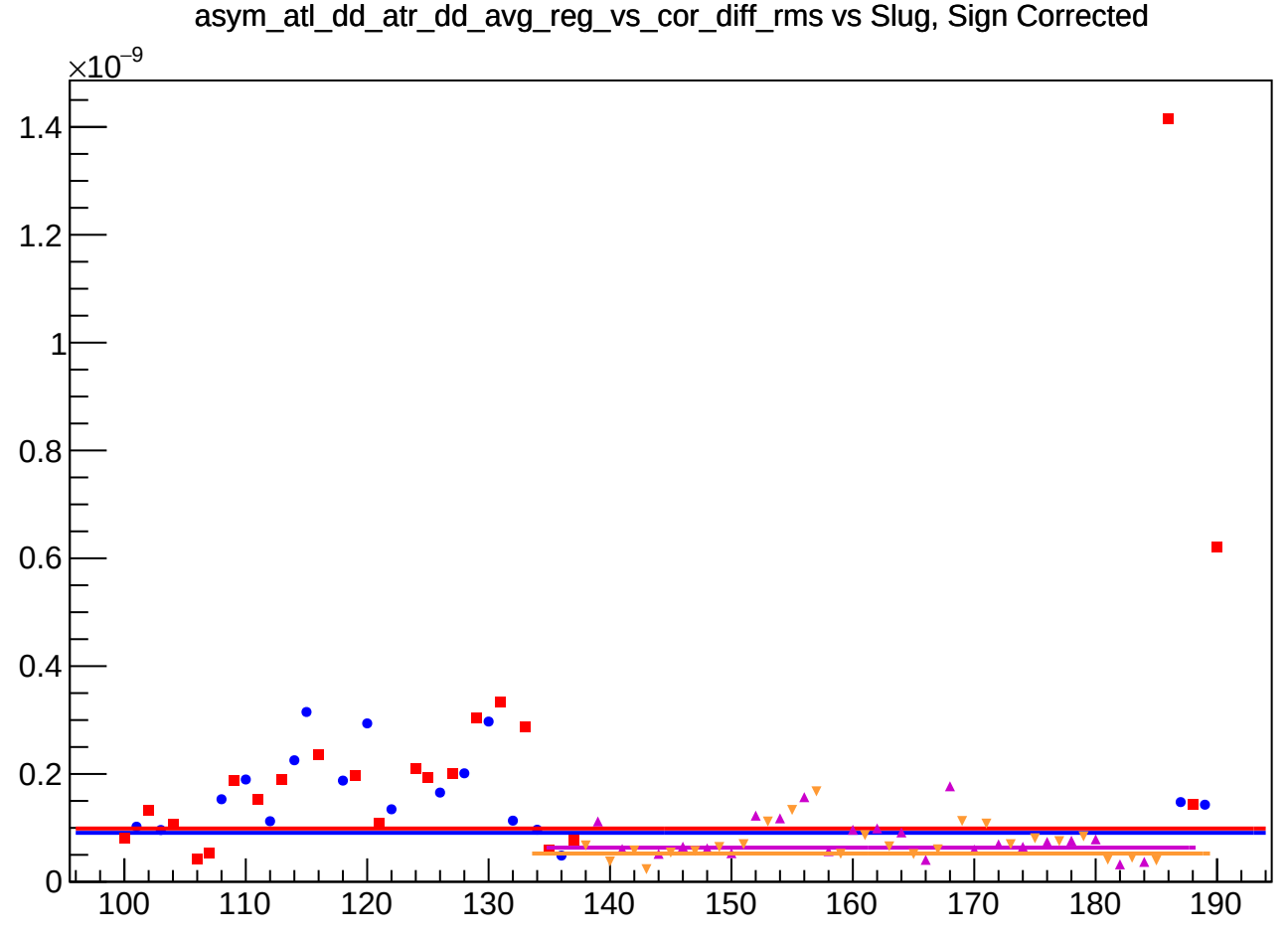
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/39

In: 0.000+/-0.000 χ^2/NDF:35.3/40

Out: 0.000+/-0.000 χ^2/NDF:49.3/46

All: 0.000+/-0.000 χ^2/NDF: 84.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2486687.4/21

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

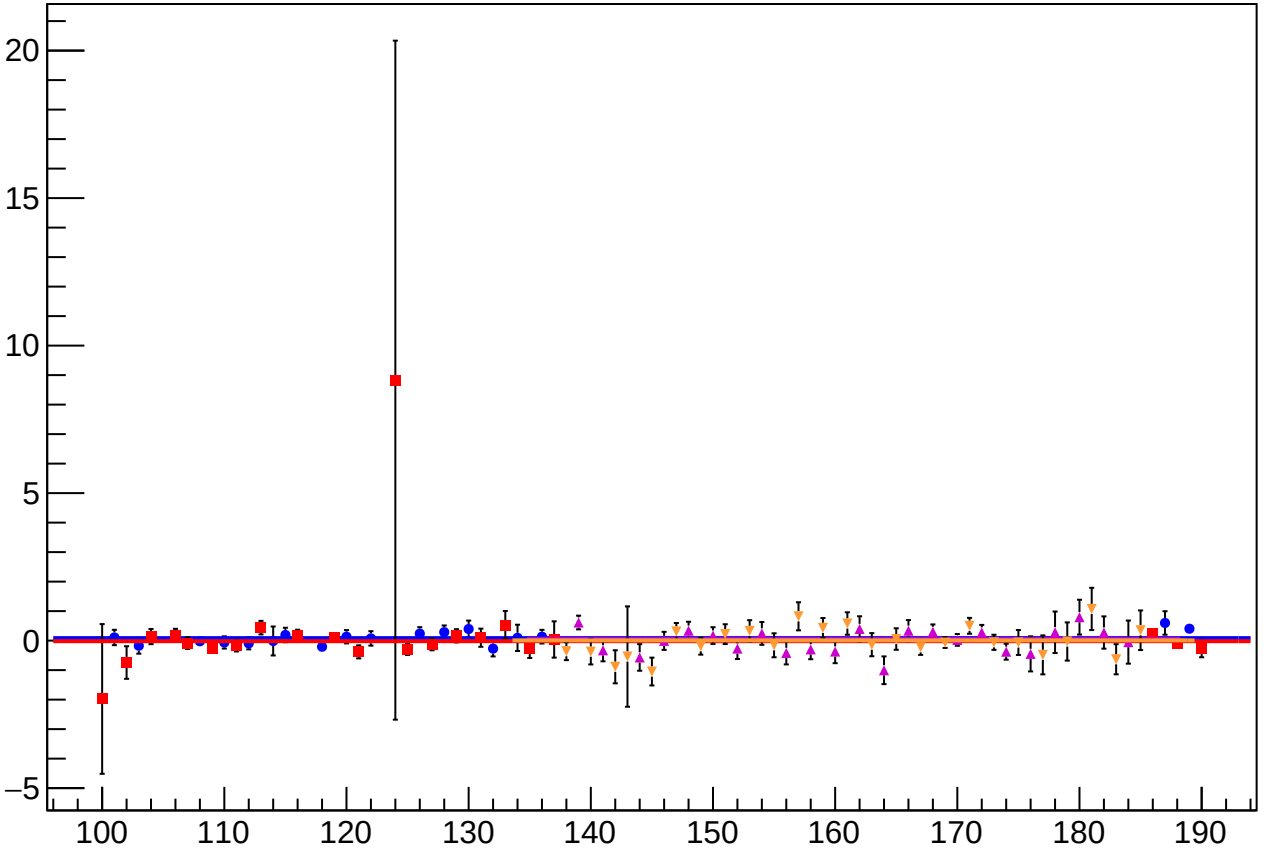
Right: 0.000+/-0.000 χ^2/NDF: 4024576.1/39

In: 0.000+/-0.000 χ^2/NDF:3680558.2/40

Out: 0.000+/-0.000 χ^2/NDF:6096580.6/46

All: 0.000+/-0.000 χ^2/NDF: 9988043.9/87

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

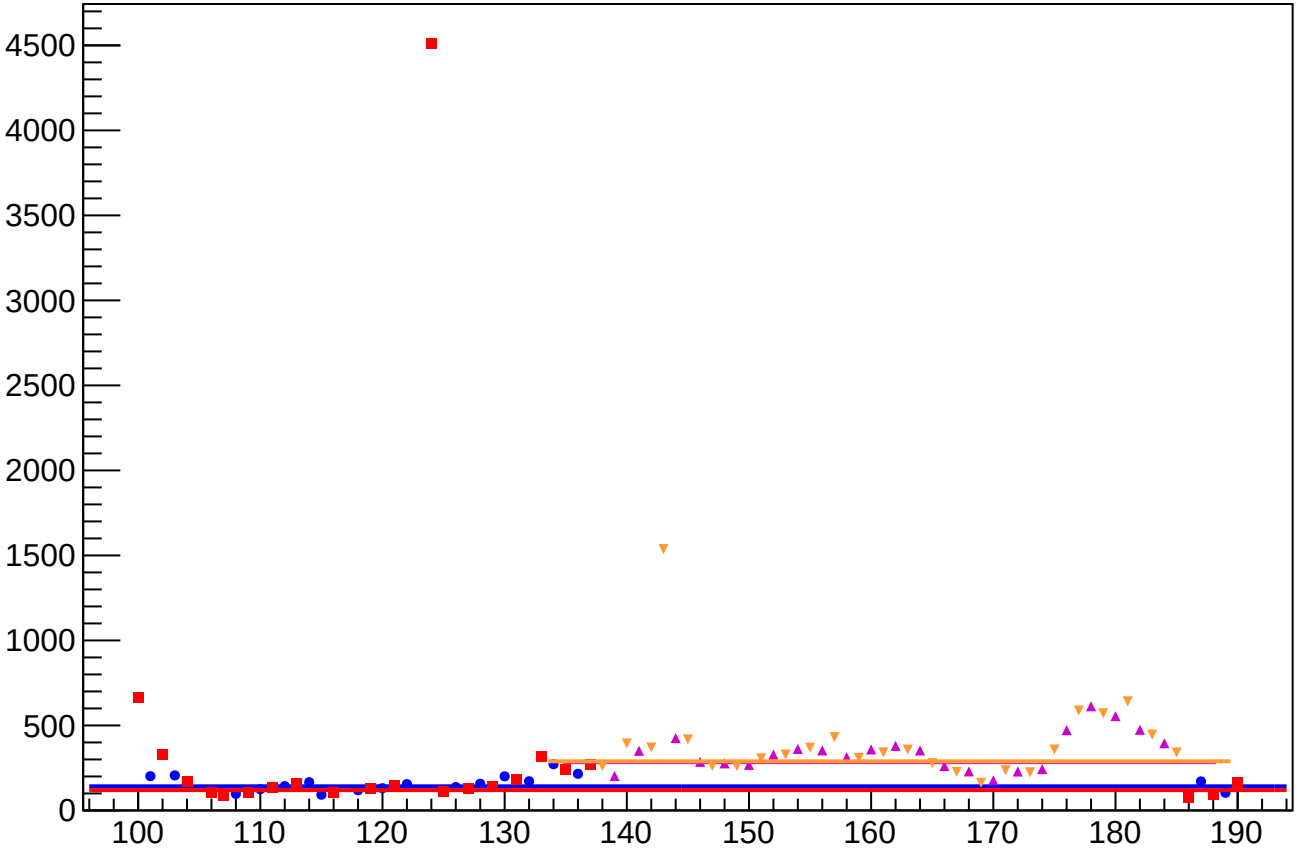
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF: 2197259.6/21

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

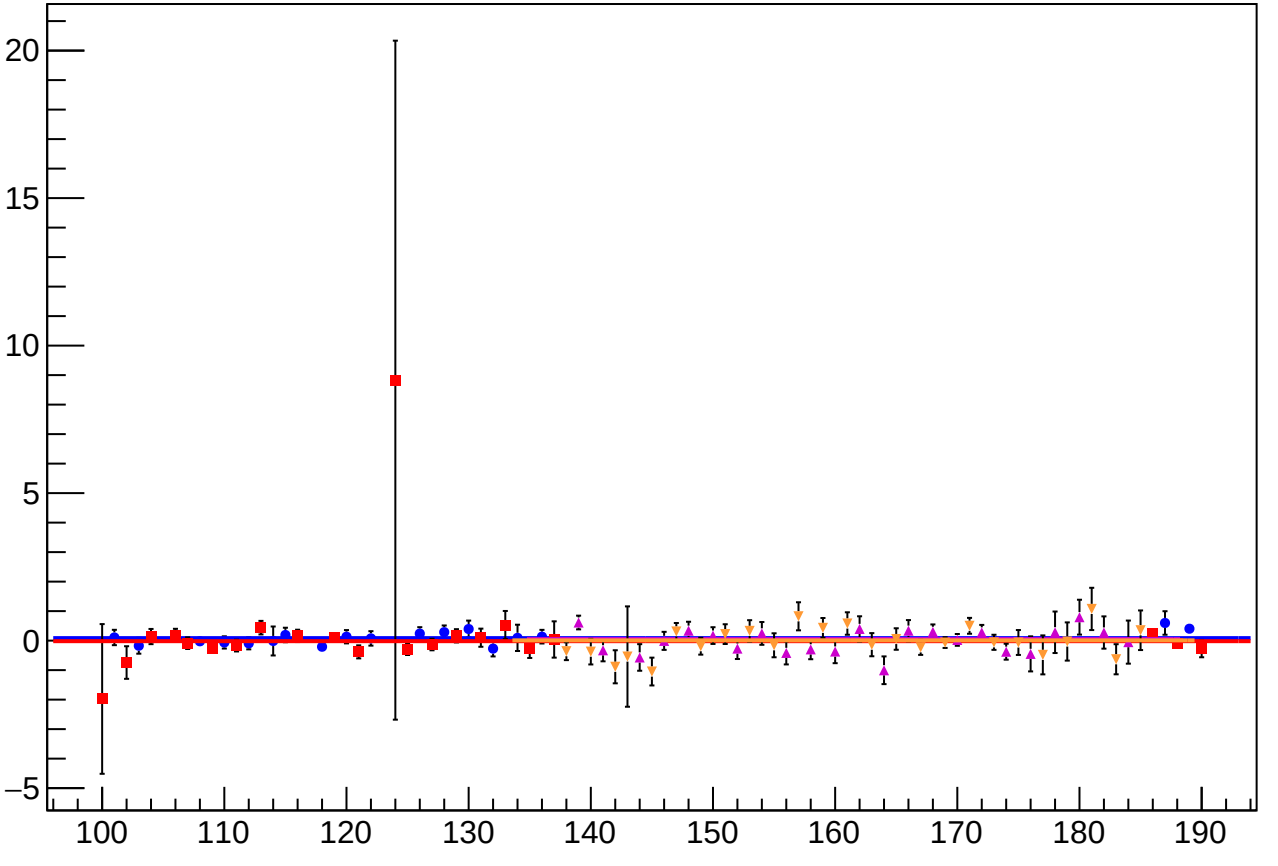
Right: 128.718+/-0.024 χ^2/NDF: 3552811.6/39

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.091+/-0.027 χ^2/NDF:15023829.3/46

All: 178.852+/-0.020 χ^2/NDF: 24876570.4/87

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

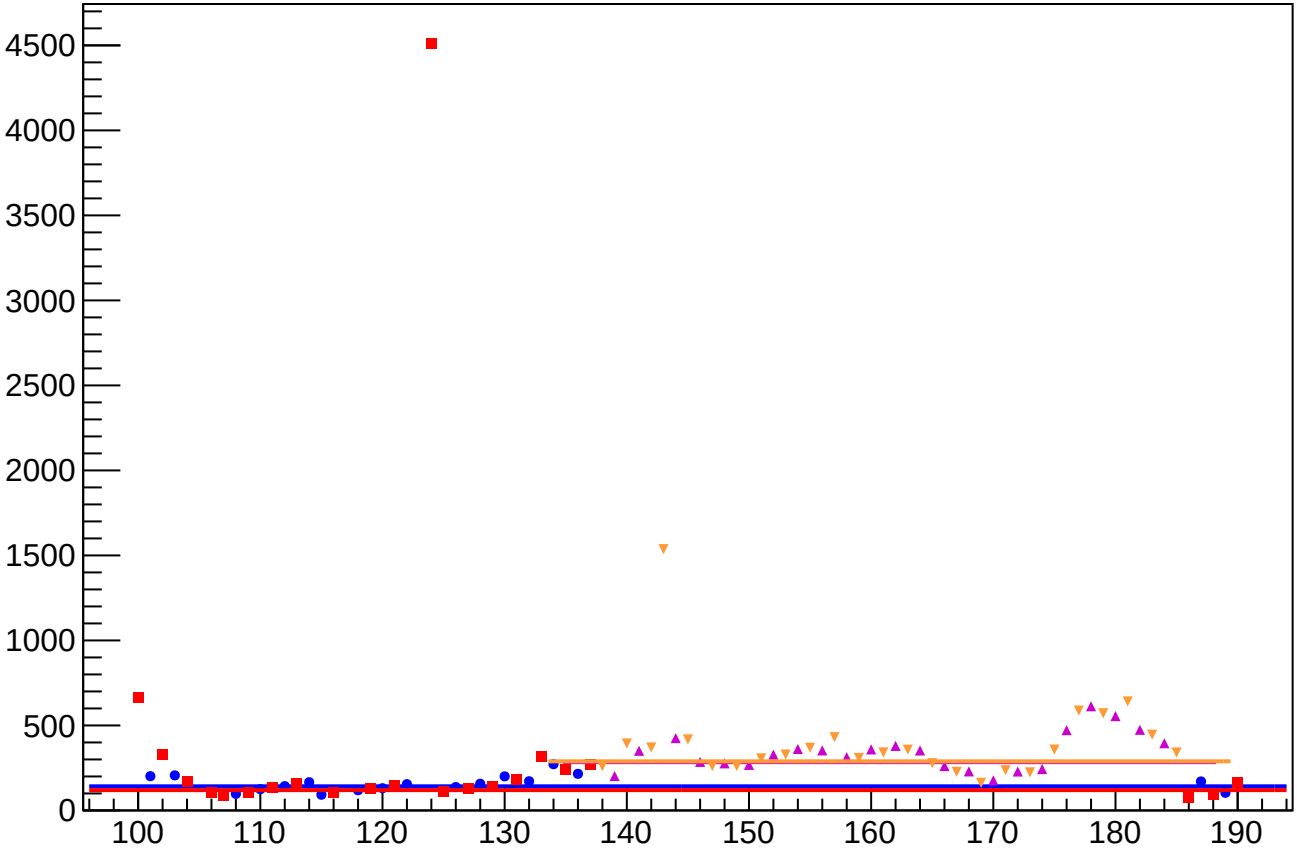
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF: 2197259.6/21

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

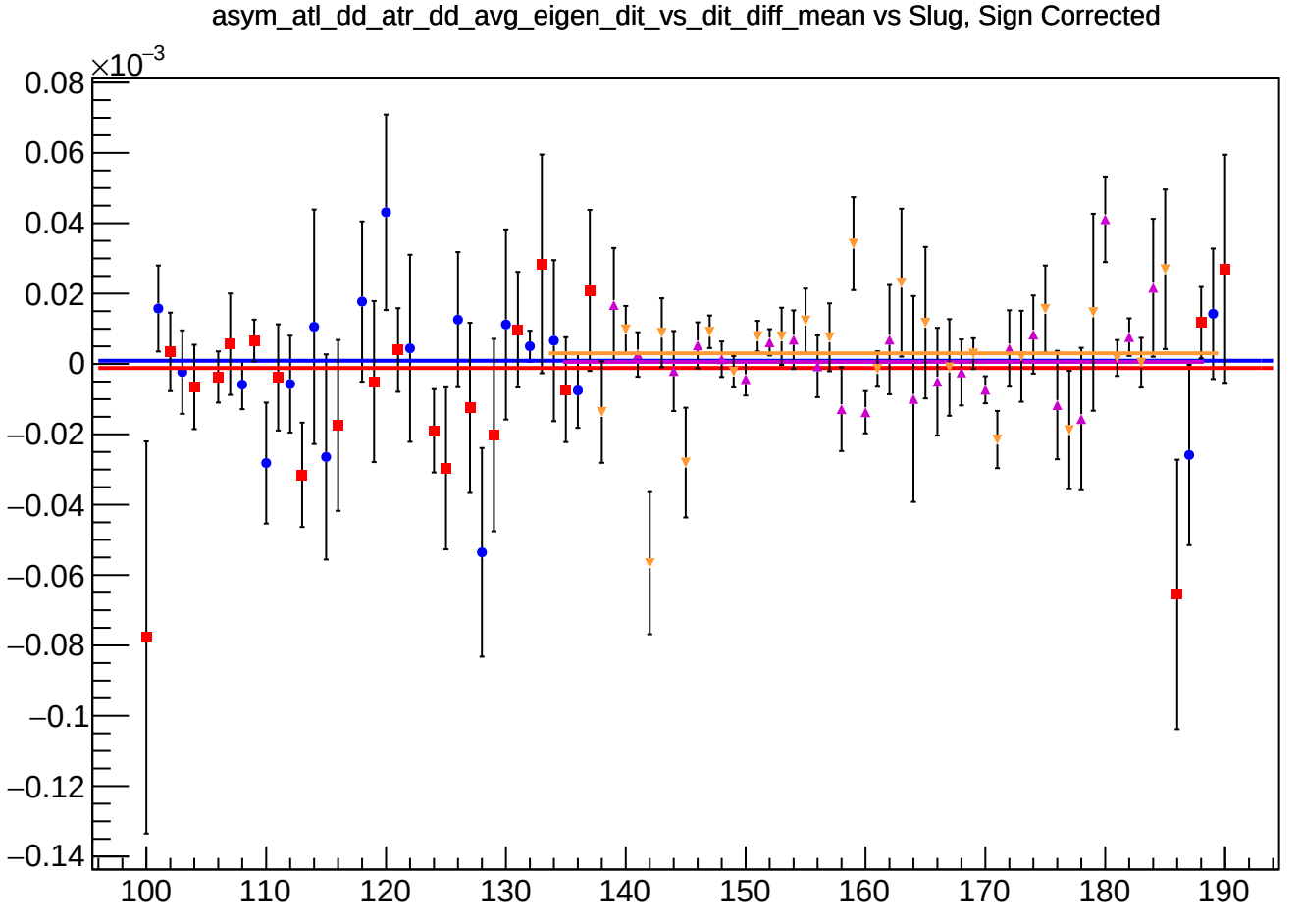
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

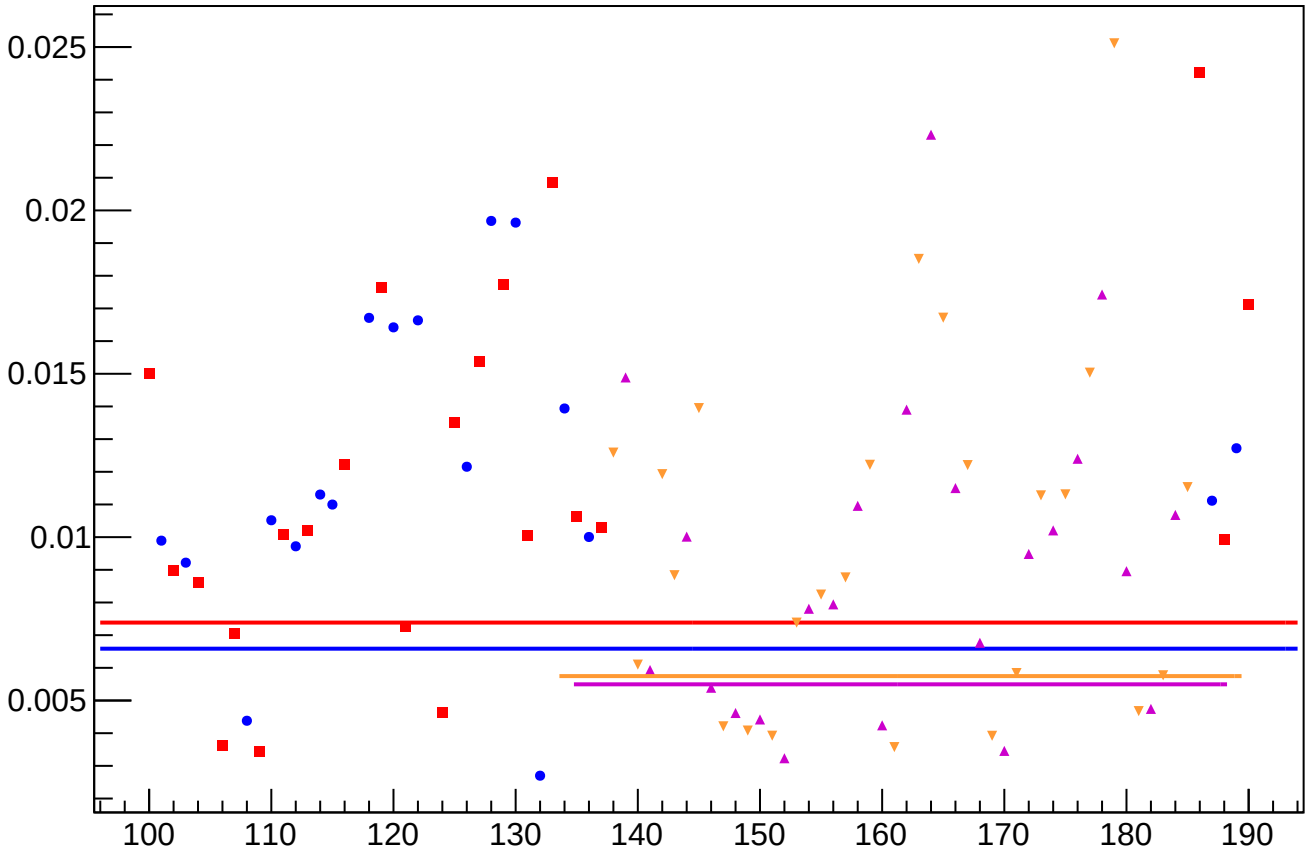
Right: 128.718+/-0.024 χ^2/NDF: 3552811.6/39

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.091+/-0.027 χ^2/NDF:15023829.3/46

All: 178.852+/-0.020 χ^2/NDF: 24876570.4/87


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.5/17
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/21
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 38.1/39
In: 0.000+/-0.000 χ²/NDF:49.7/40
Out: 0.000+/-0.000 χ²/NDF:65.2/46
All: 0.000+/-0.000 χ²/NDF: 115.5/87



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4140336.3/21

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

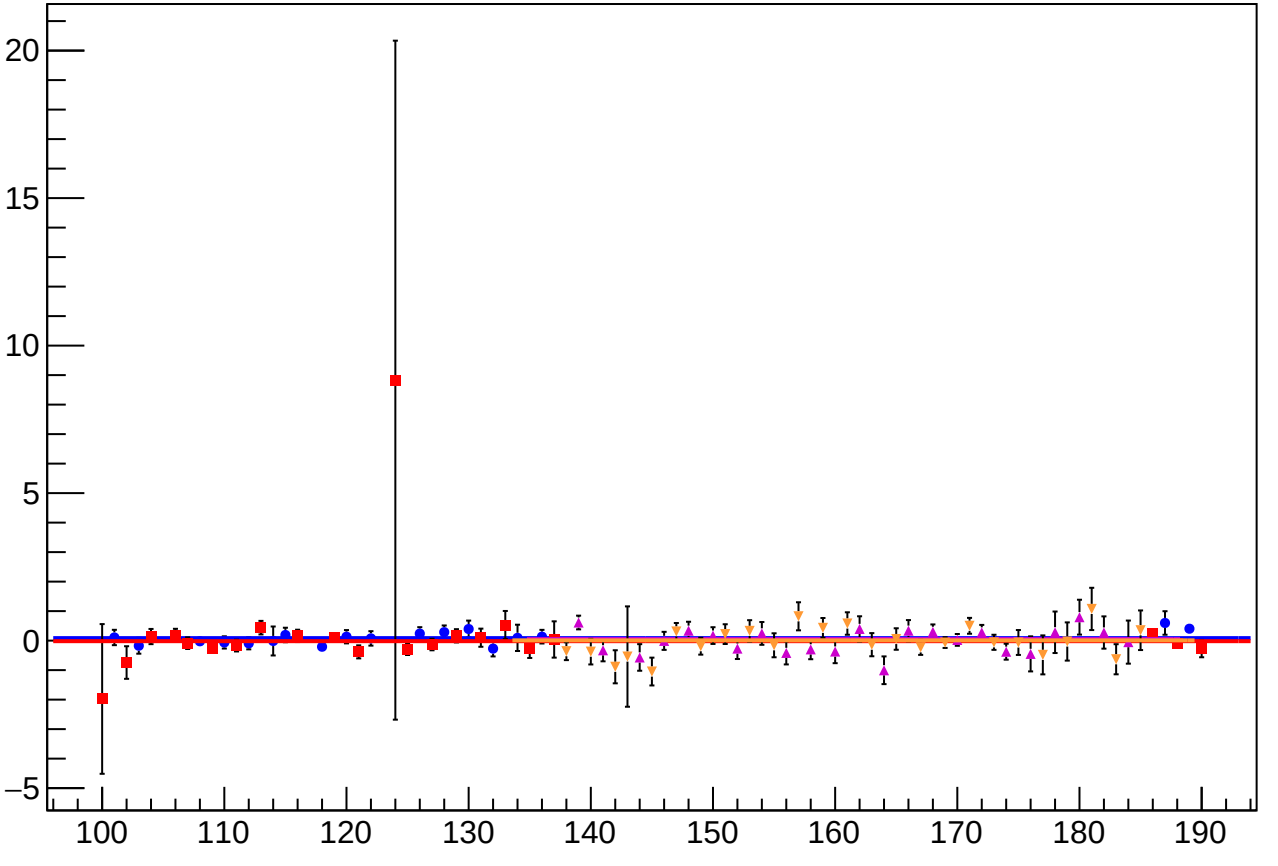
Right: 0.007+/-0.000 χ^2/NDF: 9149602.4/39

In: 0.006+/-0.000 χ^2/NDF:12094637.4/40

Out: 0.006+/-0.000 χ^2/NDF:12777444.9/46

All: 0.006+/-0.000 χ^2/NDF: 24949544.1/87

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

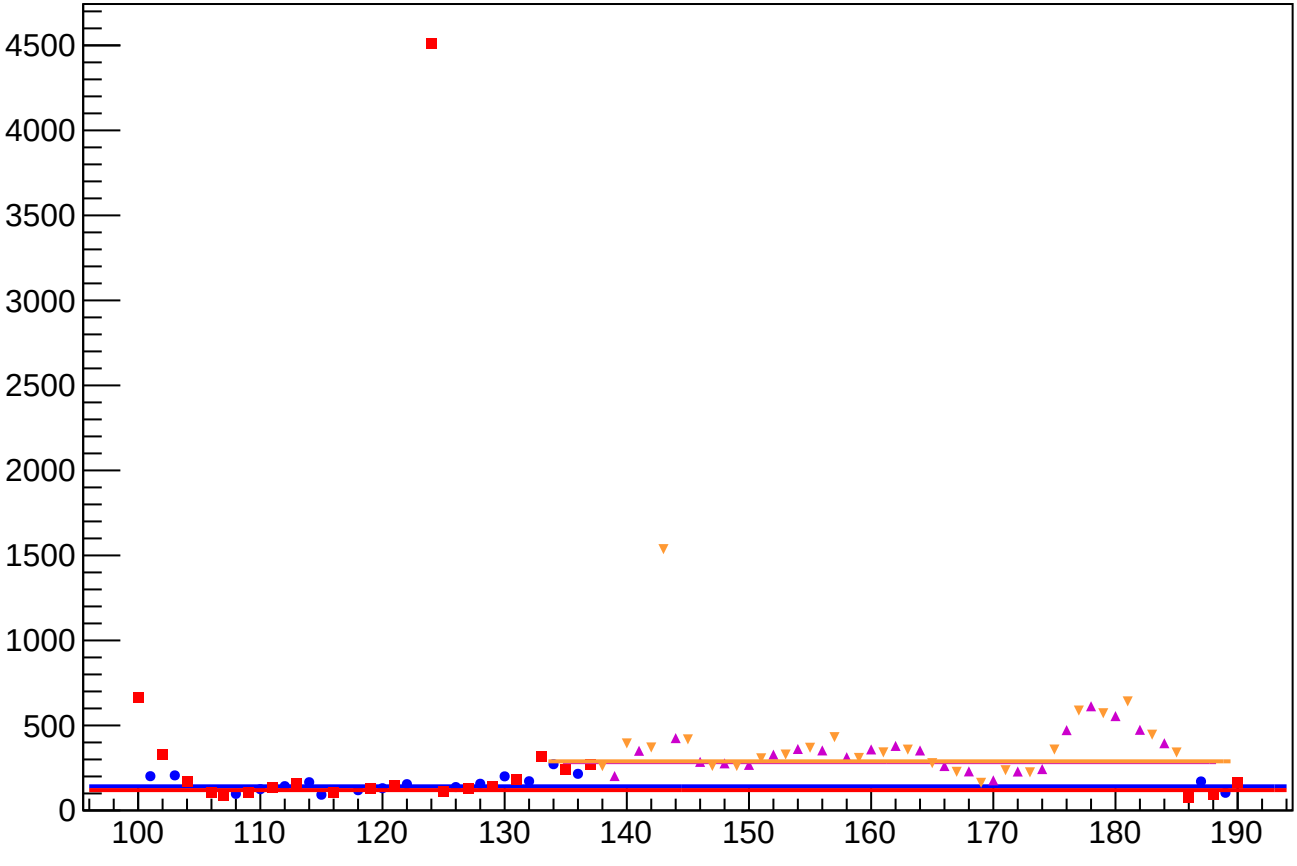
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF: 2197111.3/21

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

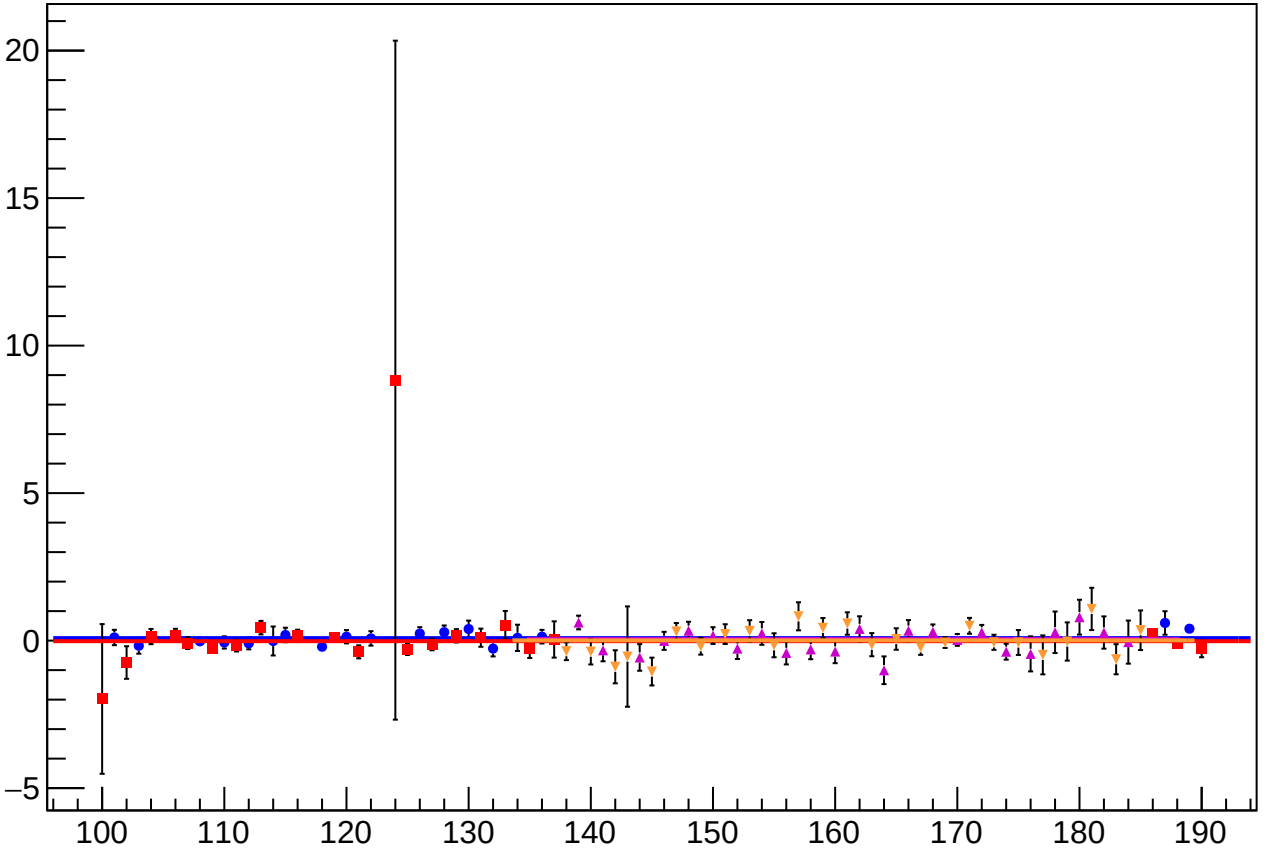
Right: 128.719+/-0.024 χ^2/NDF: 3552583.2/39

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.093+/-0.027 χ^2/NDF:15023643.0/46

All: 178.853+/-0.020 χ^2/NDF: 24876501.4/87

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

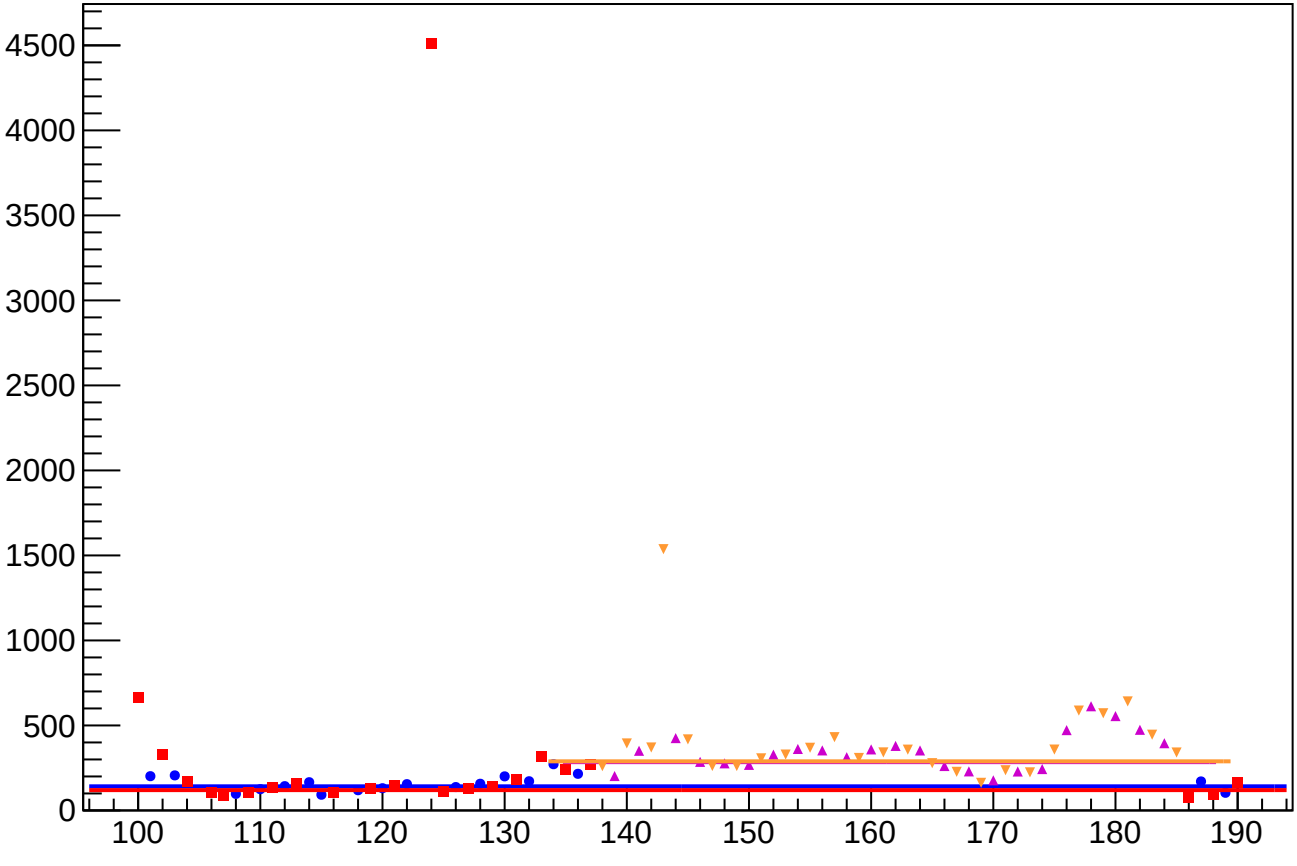
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF: 2197111.3/21

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

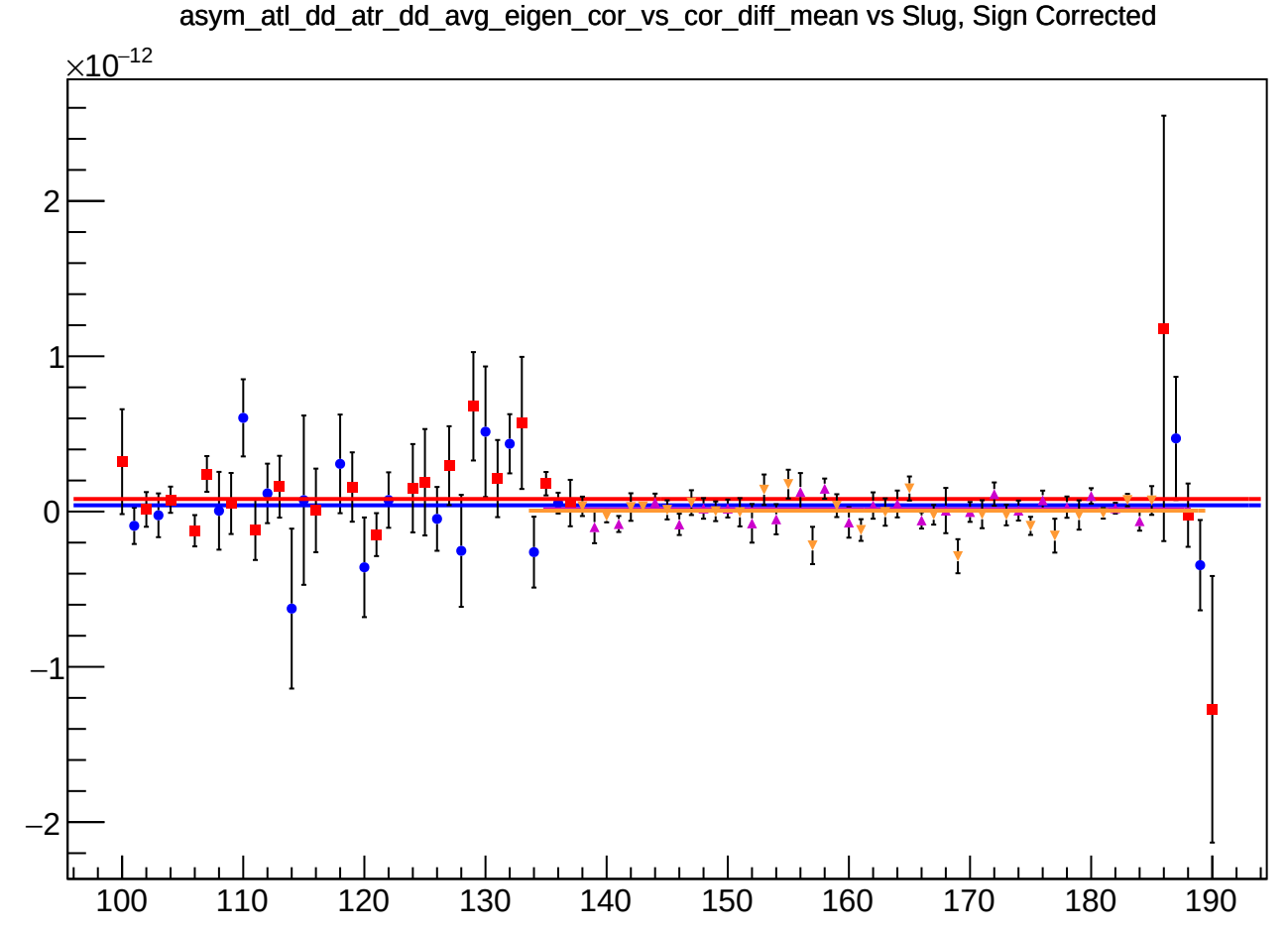
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 128.719+/-0.024 χ^2/NDF: 3552583.2/39

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.093+/-0.027 χ^2/NDF:15023643.0/46

All: 178.853+/-0.020 χ^2/NDF: 24876501.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/21

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

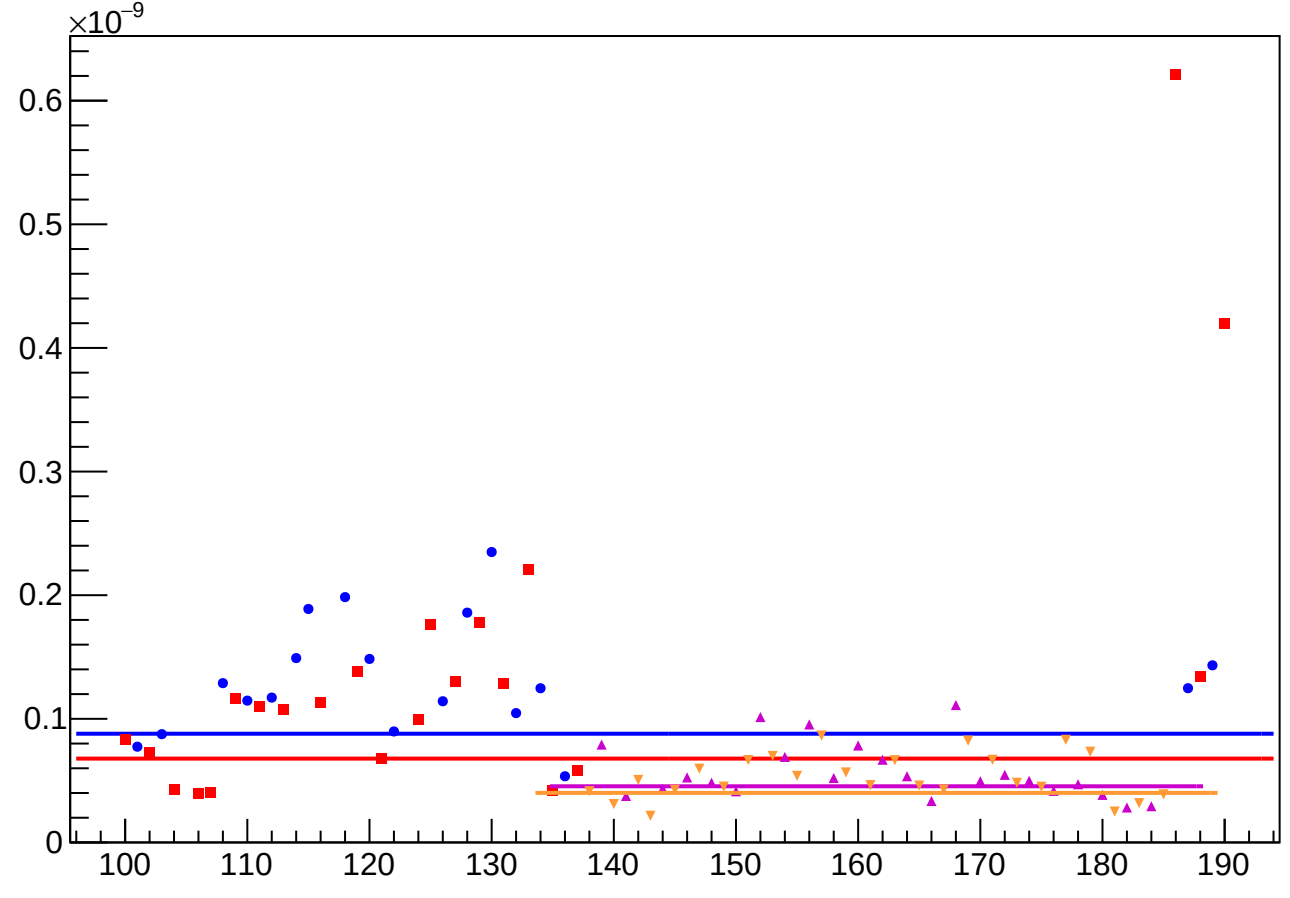
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 44.1/39

In: 0.000+/-0.000 χ^2/NDF:45.5/40

Out: 0.000+/-0.000 χ^2/NDF:60.1/46

All: 0.000+/-0.000 χ^2/NDF: 105.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3047292.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

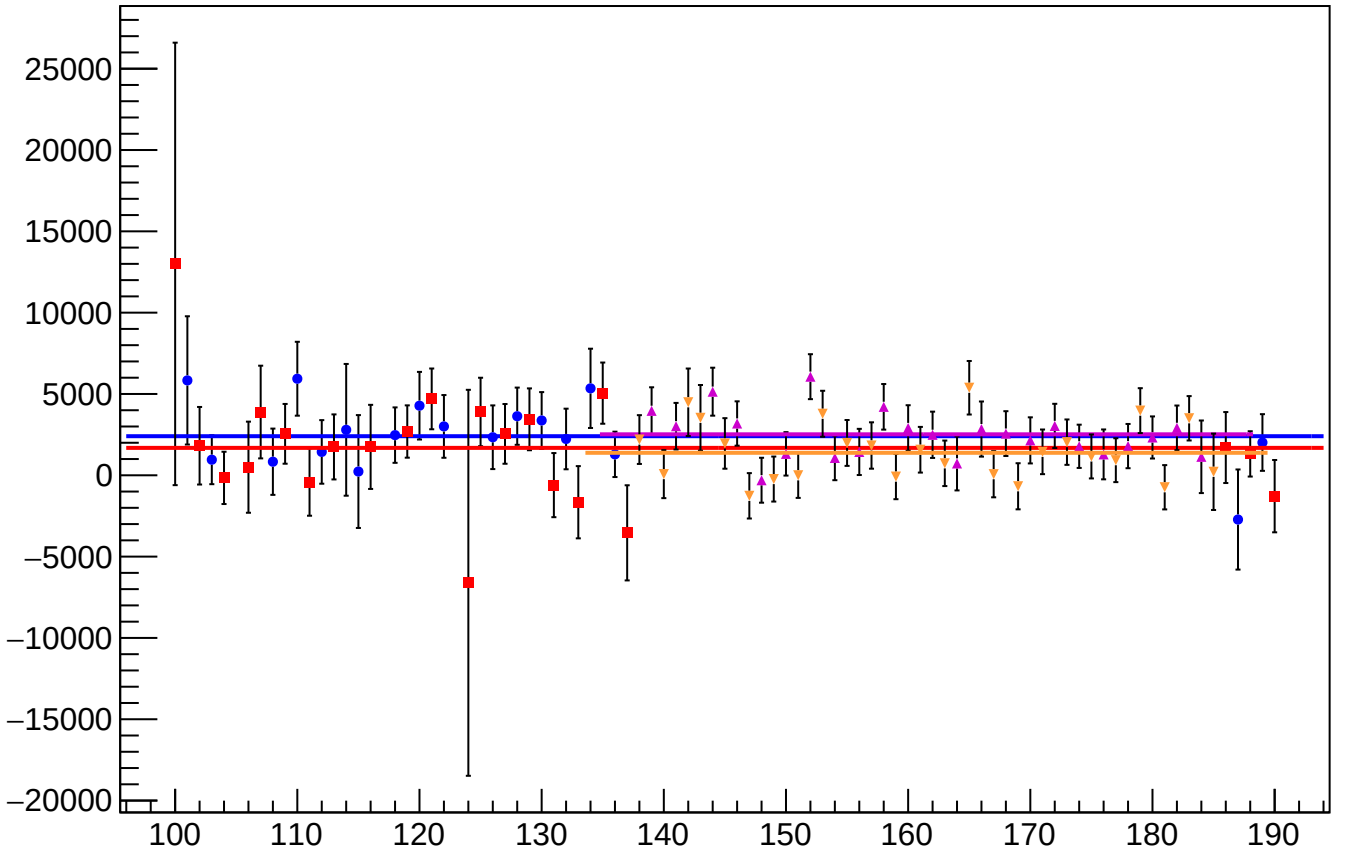
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4984126.6/39

In: 0.000+/-0.000 χ^2/NDF:6290057.1/40

Out: 0.000+/-0.000 χ^2/NDF:7850969.3/46

All: 0.000+/-0.000 χ^2/NDF: 14390042.4/87



Right In: 2403.429+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1685.444+/-446.619 χ^2/NDF: 21.5/21

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

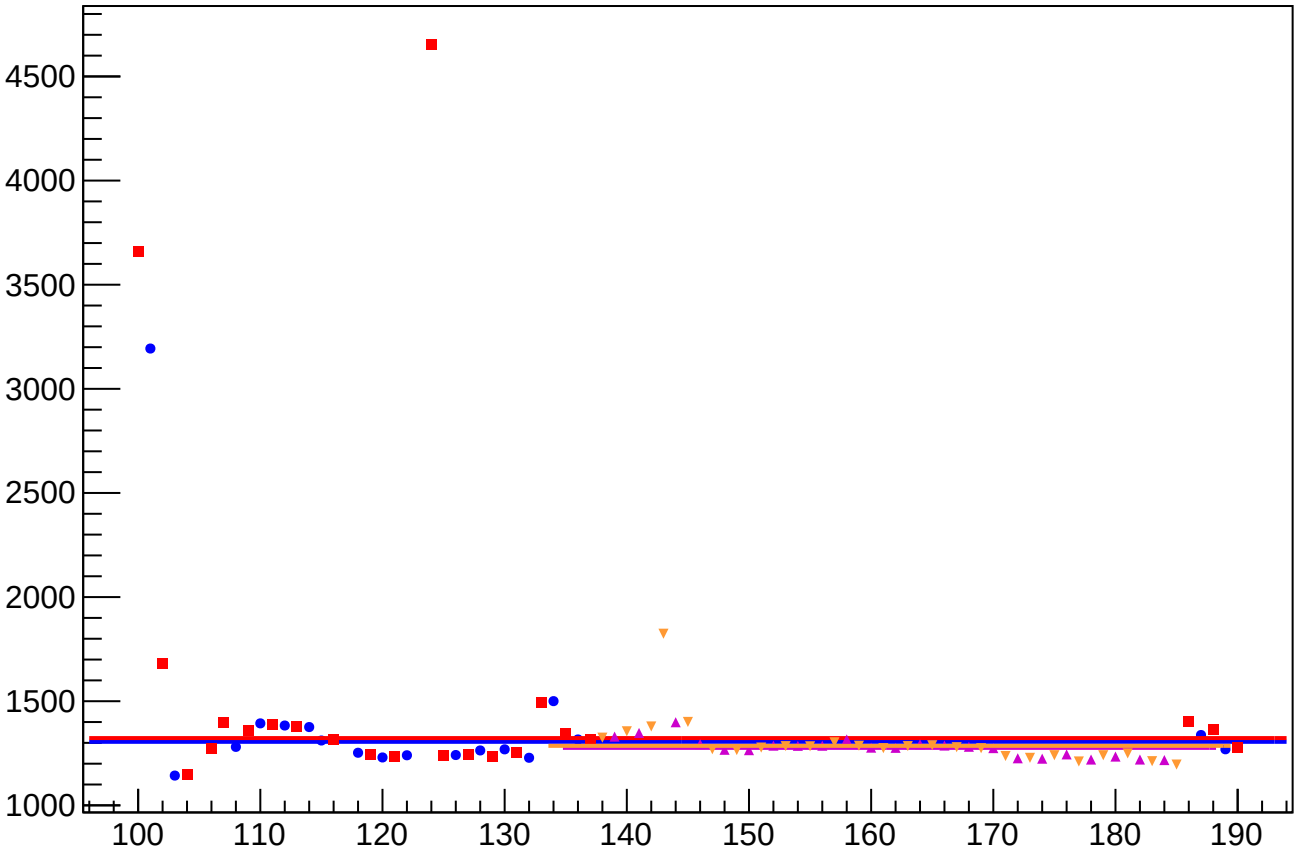
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2025.468+/-324.043 χ^2/NDF: 34.7/39

In: 2486.195+/-251.867 χ^2/NDF:34.5/40

Out: 1474.082+/-244.855 χ^2/NDF:54.8/46

All: 1965.853+/-175.565 χ^2/NDF: 97.6/87



Right In: 1305.019+/-0.333 χ^2/NDF: 517352.5/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1322.977+/-0.315 χ^2/NDF: 331953.0/21

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

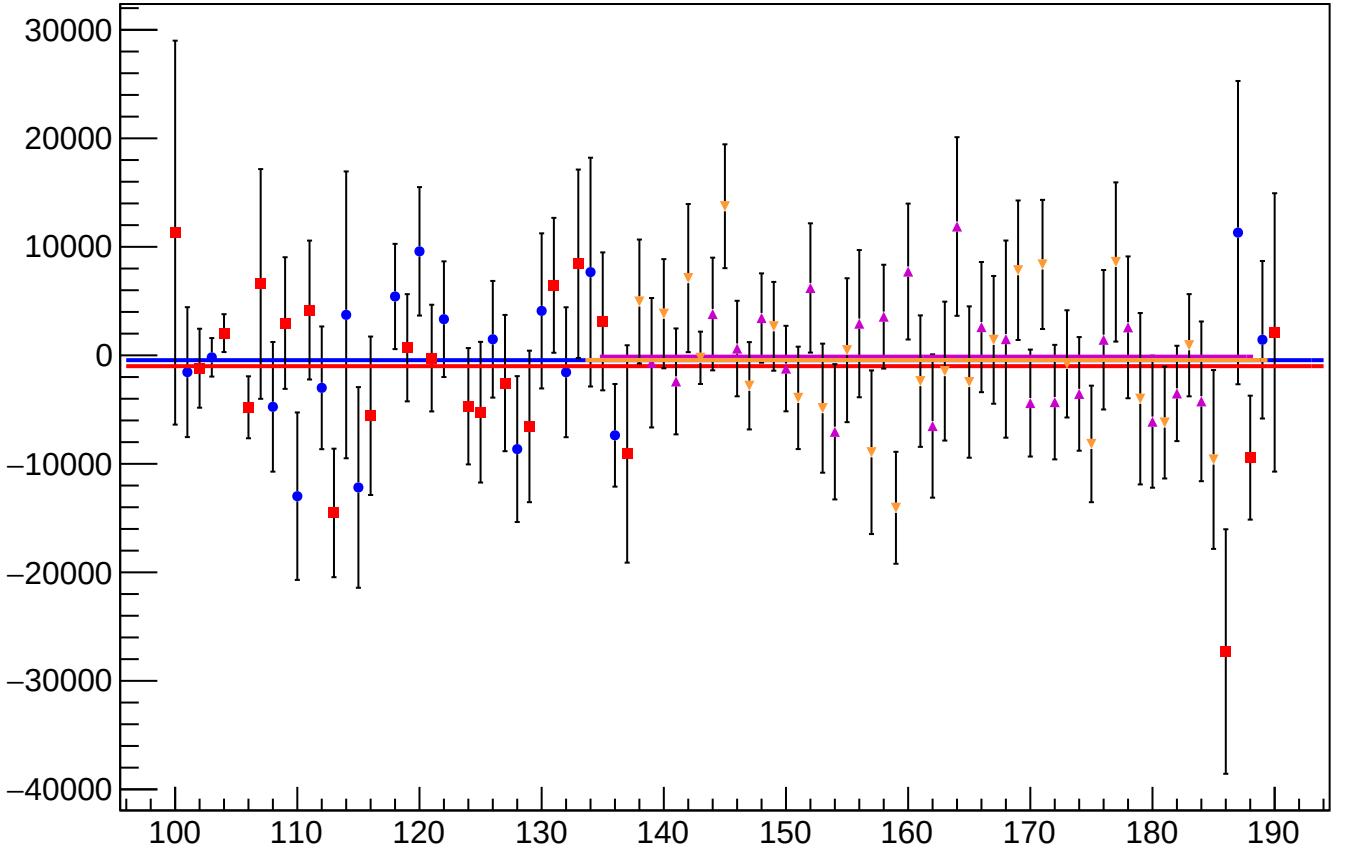
Right: 1314.492+/-0.229 χ^2/NDF: 850840.1/39

In: 1284.260+/-0.178 χ^2/NDF:564196.3/40

Out: 1296.903+/-0.173 χ^2/NDF:532782.1/46

All: 1290.764+/-0.124 χ^2/NDF: 1099571.0/87

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -445.350+/-1172.919 χ^2/NDF: 15.5/17

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -997.541+/-1030.158 χ^2/NDF: 25.6/21

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

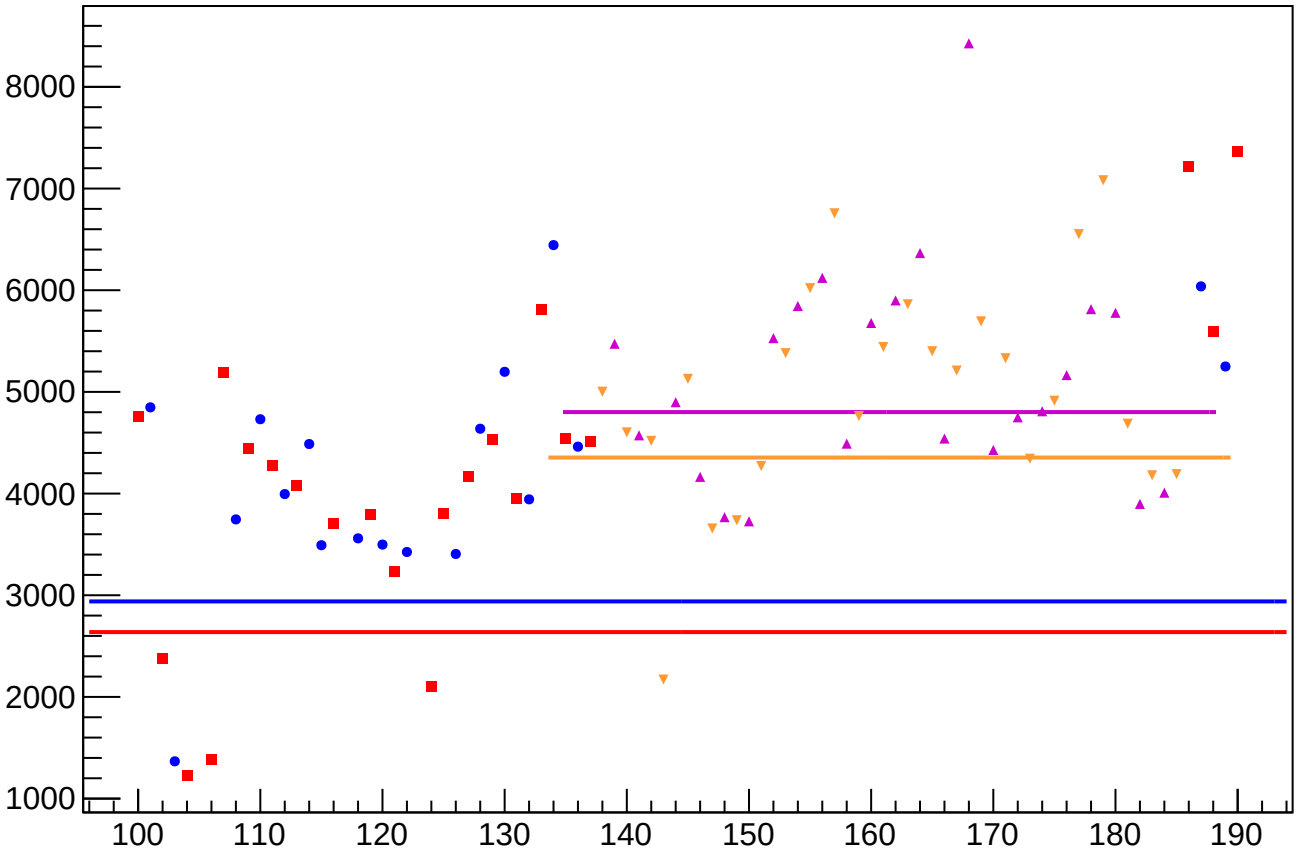
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -757.078+/-774.011 χ^2/NDF: 41.3/39

In: -278.373+/-819.218 χ^2/NDF:29.2/40

Out: -715.204+/-731.202 χ^2/NDF:55.6/46

All: -521.507+/-545.511 χ^2/NDF: 84.9/87



Right In: 2939.282+/-0.829 χ^2/NDF: 3215975.5/17

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2637.572+/-0.728 χ^2/NDF: 4546216.0/21

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

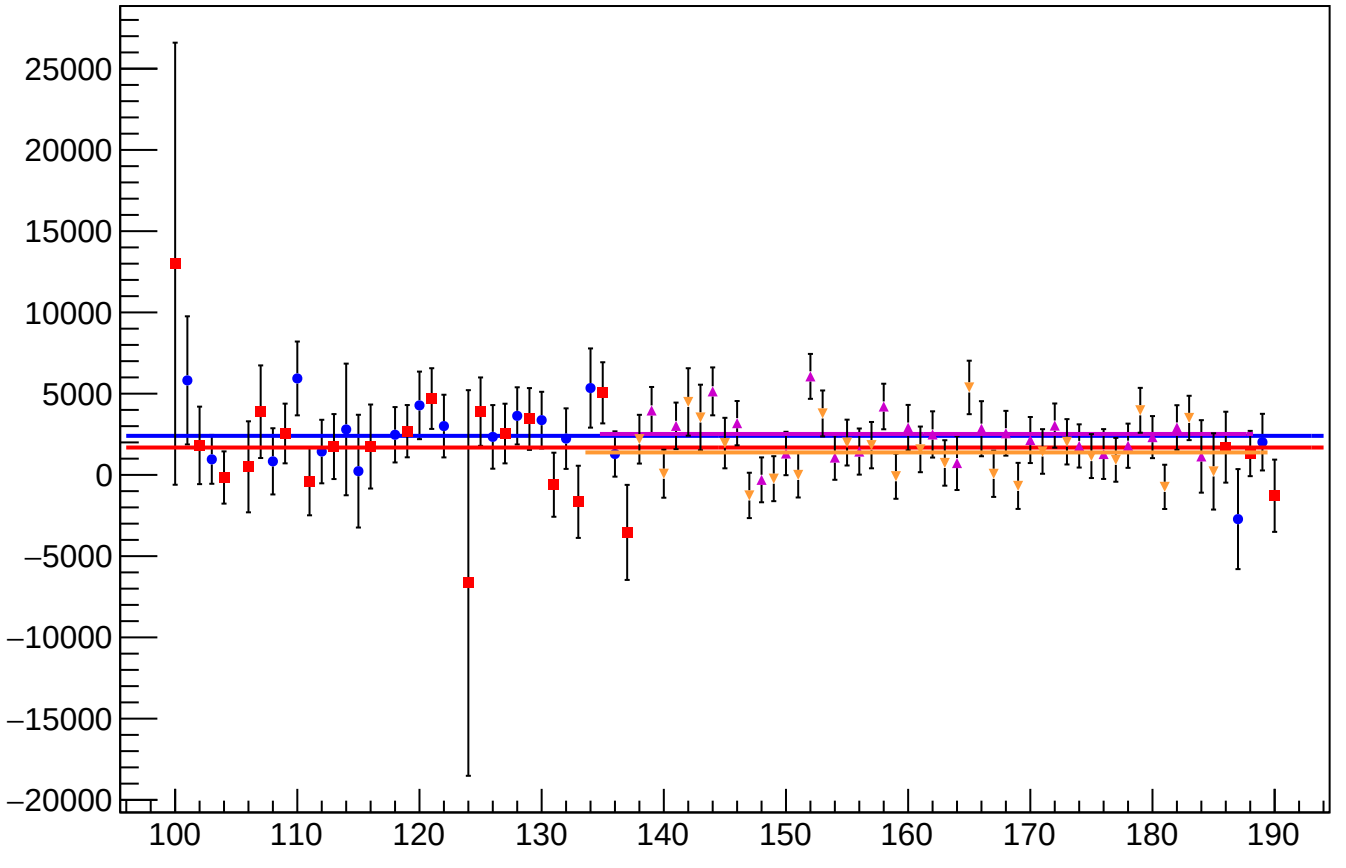
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2768.957+/-0.547 χ^2/NDF: 7836898.6/39

In: 3893.103+/-0.579 χ^2/NDF:7030168.3/40

Out: 3489.507+/-0.517 χ^2/NDF:10374343.9/46

All: 3668.467+/-0.386 χ^2/NDF: 17674695.1/8



Right In: 2403.212+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1685.220+/-446.619 χ^2/NDF: 21.6/21

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

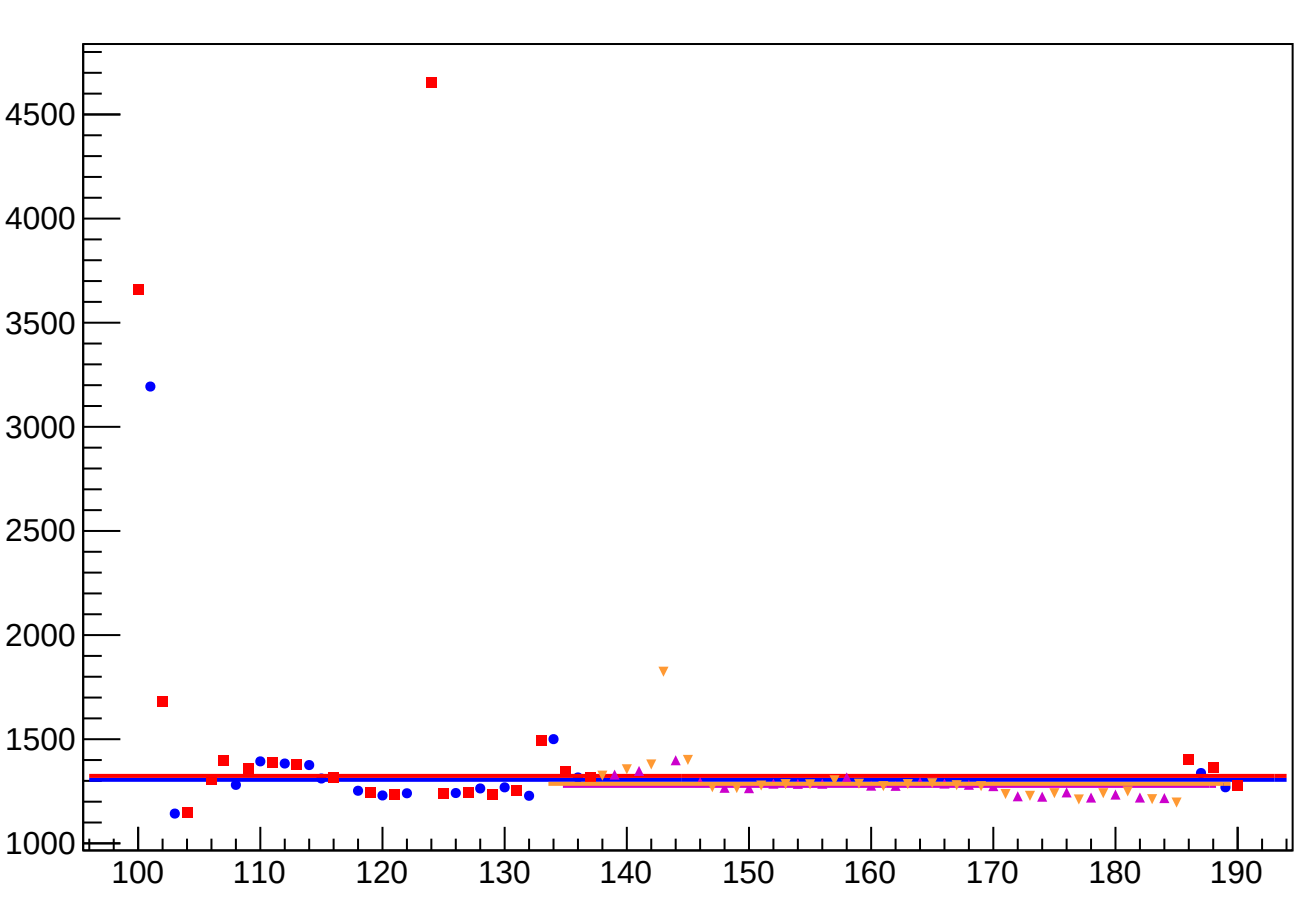
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2025.248+/-324.043 χ^2/NDF: 34.7/39

In: 2486.134+/-251.867 χ^2/NDF:34.5/40

Out: 1473.969+/-244.855 χ^2/NDF:54.8/46

All: 1965.766+/-175.565 χ^2/NDF: 97.6/87



Right In: 1305.018+/-0.333 χ^2/NDF: 517354.0/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1323.907+/-0.315 χ^2/NDF: 331331.6/21

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

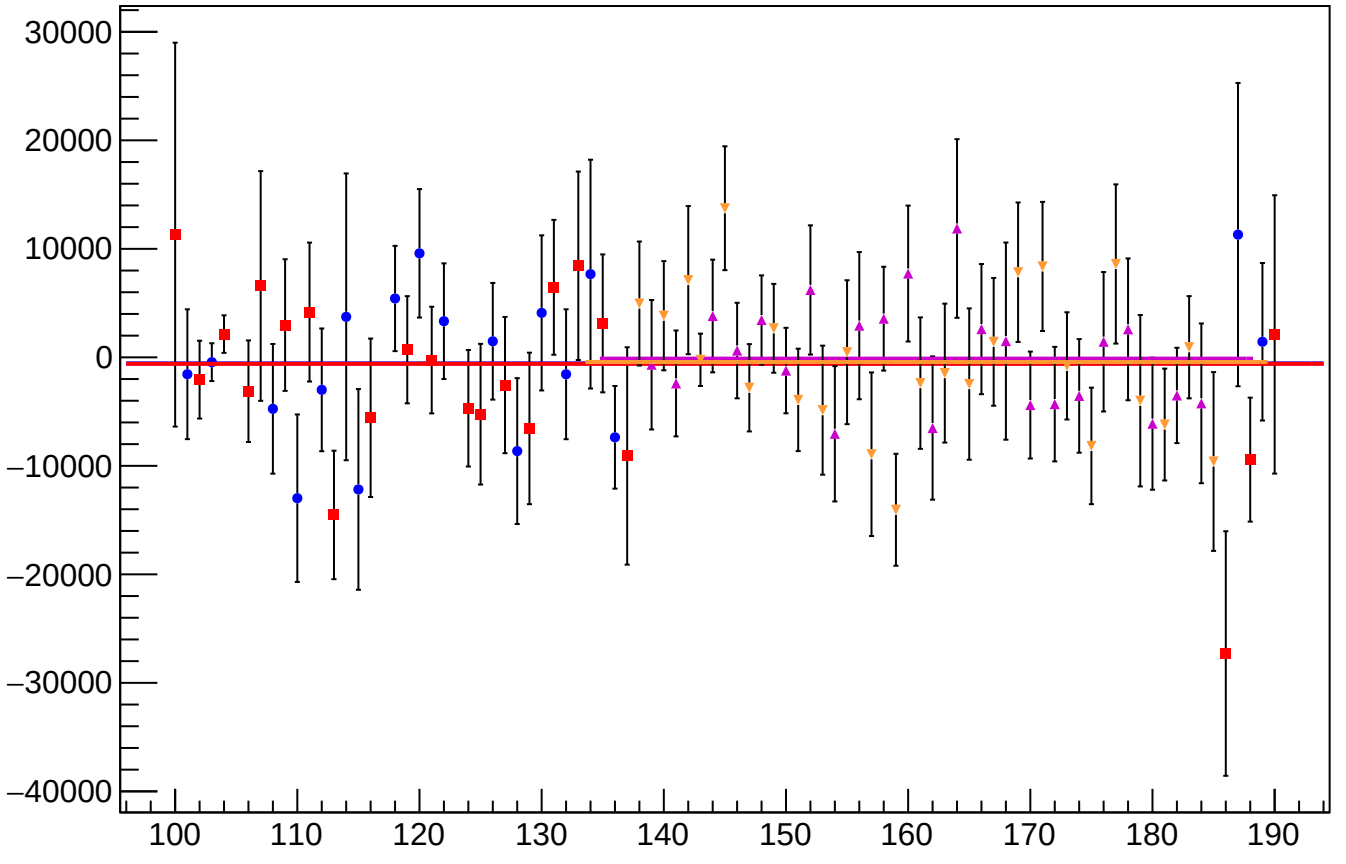
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1314.976+/-0.229 χ^2/NDF: 850382.3/39

In: 1284.260+/-0.178 χ^2/NDF:564197.7/40

Out: 1297.173+/-0.173 χ^2/NDF:532645.9/46

All: 1290.902+/-0.124 χ^2/NDF: 1099547.6/87



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -596.281+/-1069.815 χ^2/NDF: 24.2/21

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

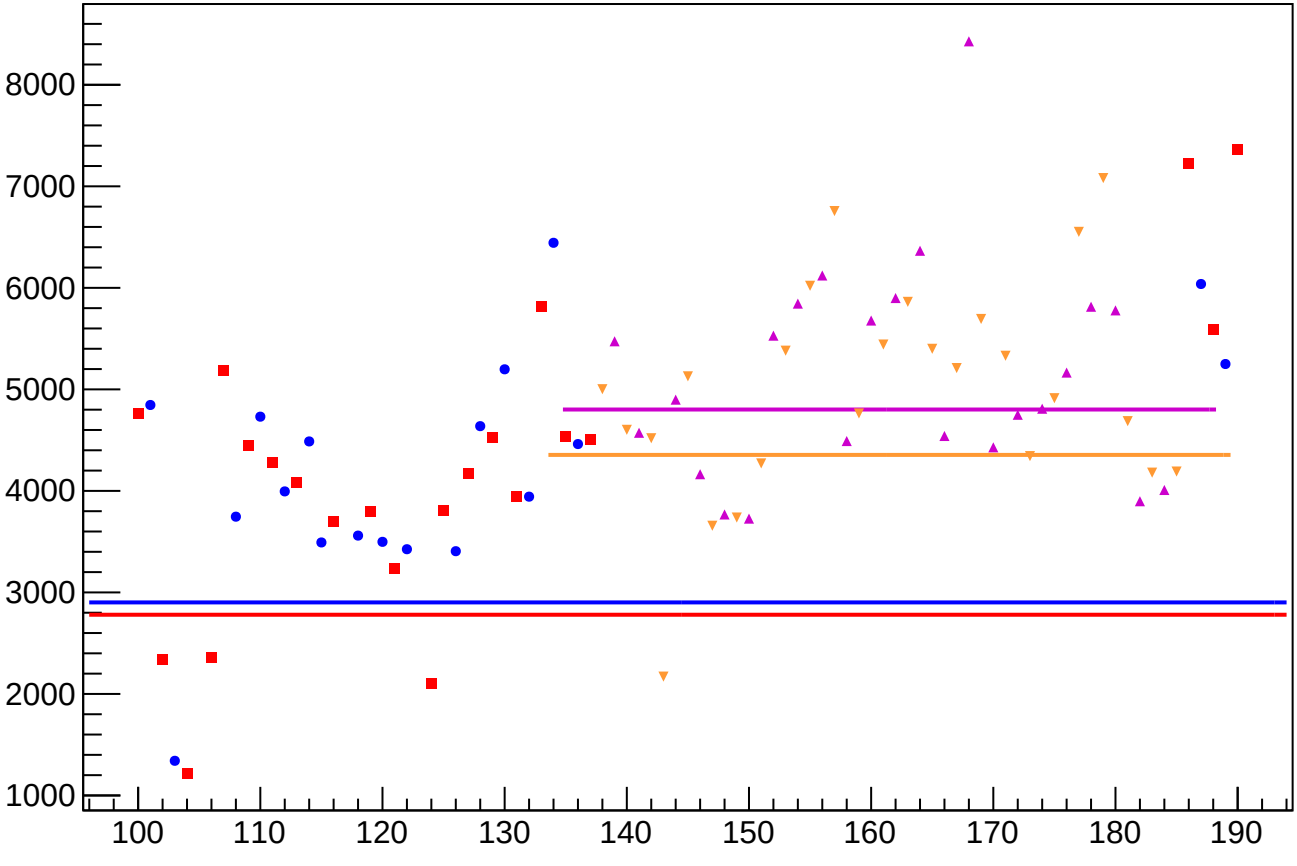
Right: -578.460+/-787.359 χ^2/NDF: 39.7/39

In: -334.879+/-815.816 χ^2/NDF:29.2/40

Out: -509.874+/-744.984 χ^2/NDF:54.1/46

All: -430.302+/-550.123 χ^2/NDF: 83.3/87

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2780.140+/-0.756 χ^2/NDF: 4184077.2/21

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

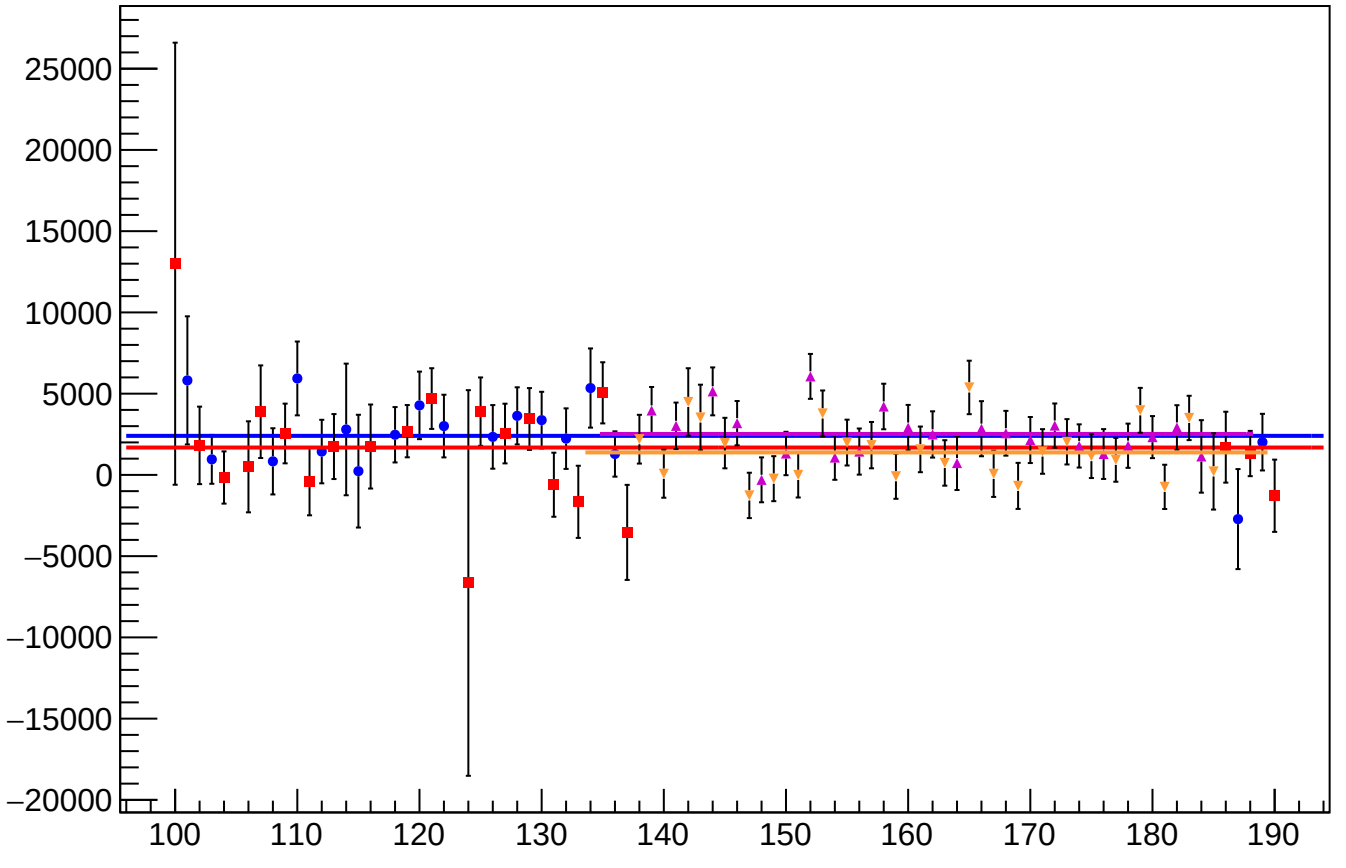
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2835.790+/-0.557 χ^2/NDF: 7523817.8/39

In: 3866.634+/-0.577 χ^2/NDF:7271197.3/40

Out: 3591.056+/-0.527 χ^2/NDF:9486587.1/46

All: 3716.365+/-0.389 χ^2/NDF: 16882224.9/8



Right In: 2403.212+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1685.220+/-446.619 χ^2/NDF: 21.6/21

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

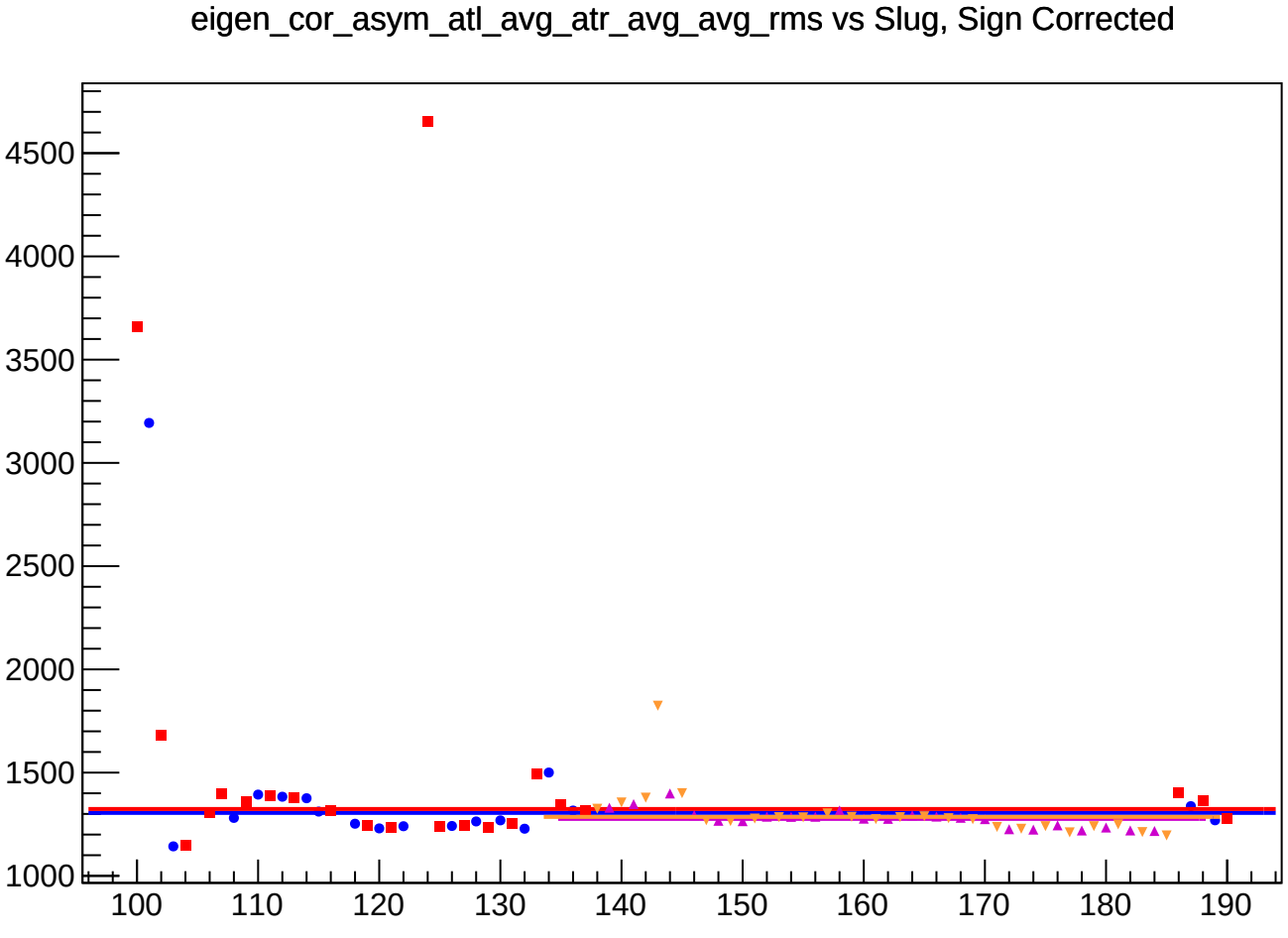
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2025.248+/-324.043 χ^2/NDF: 34.7/39

In: 2486.134+/-251.867 χ^2/NDF:34.5/40

Out: 1473.969+/-244.855 χ^2/NDF:54.8/46

All: 1965.766+/-175.565 χ^2/NDF: 97.6/87



Right In: 1305.018+/-0.333 χ^2/NDF: 517354.0/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1323.907+/-0.315 χ^2/NDF: 331331.6/21

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

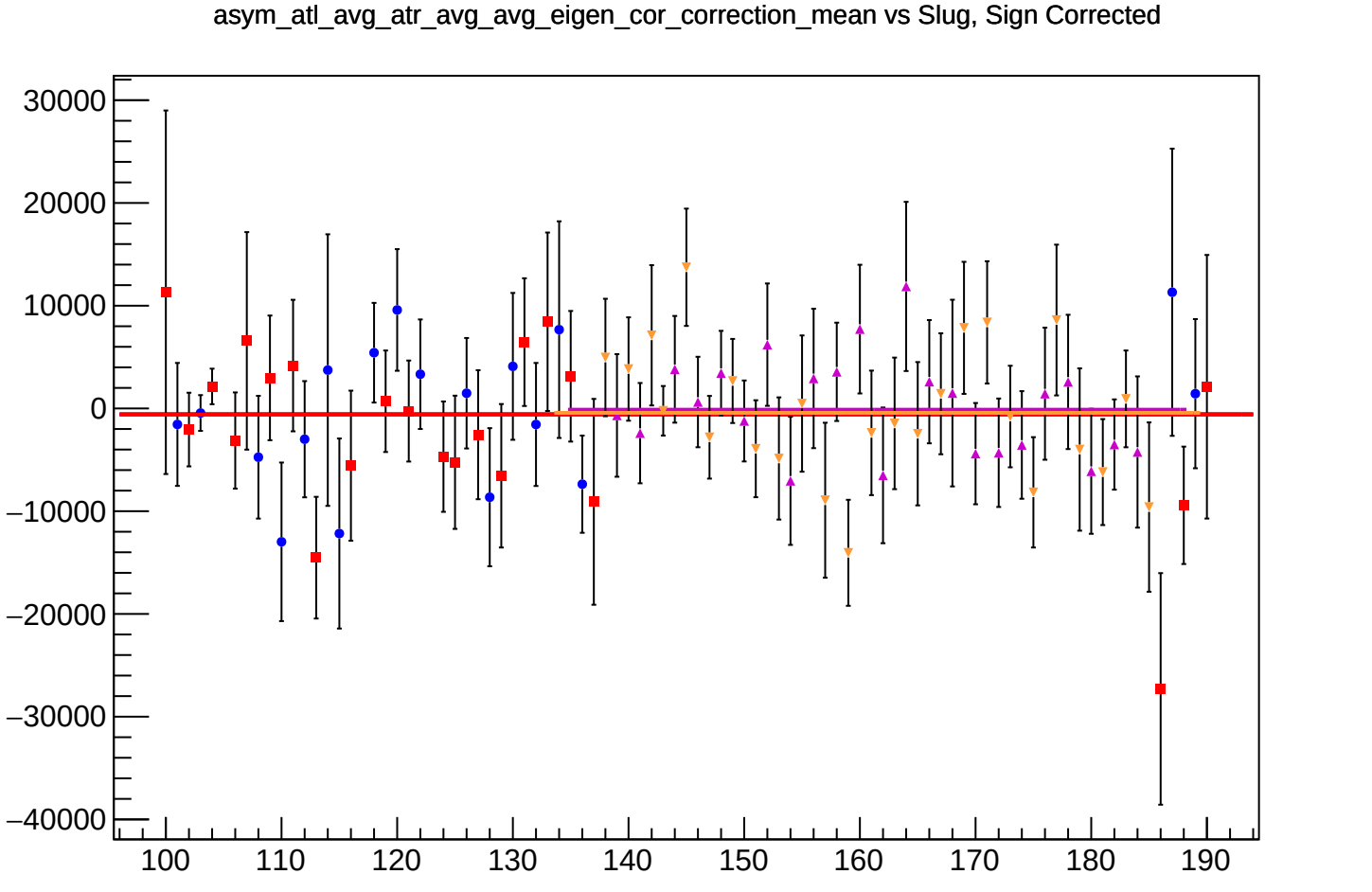
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1314.976+/-0.229 χ^2/NDF: 850382.3/39

In: 1284.260+/-0.178 χ^2/NDF:564197.7/40

Out: 1297.173+/-0.173 χ^2/NDF:532645.9/46

All: 1290.902+/-0.124 χ^2/NDF: 1099547.6/87



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -596.281+/-1069.815 χ^2/NDF: 24.2/21

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

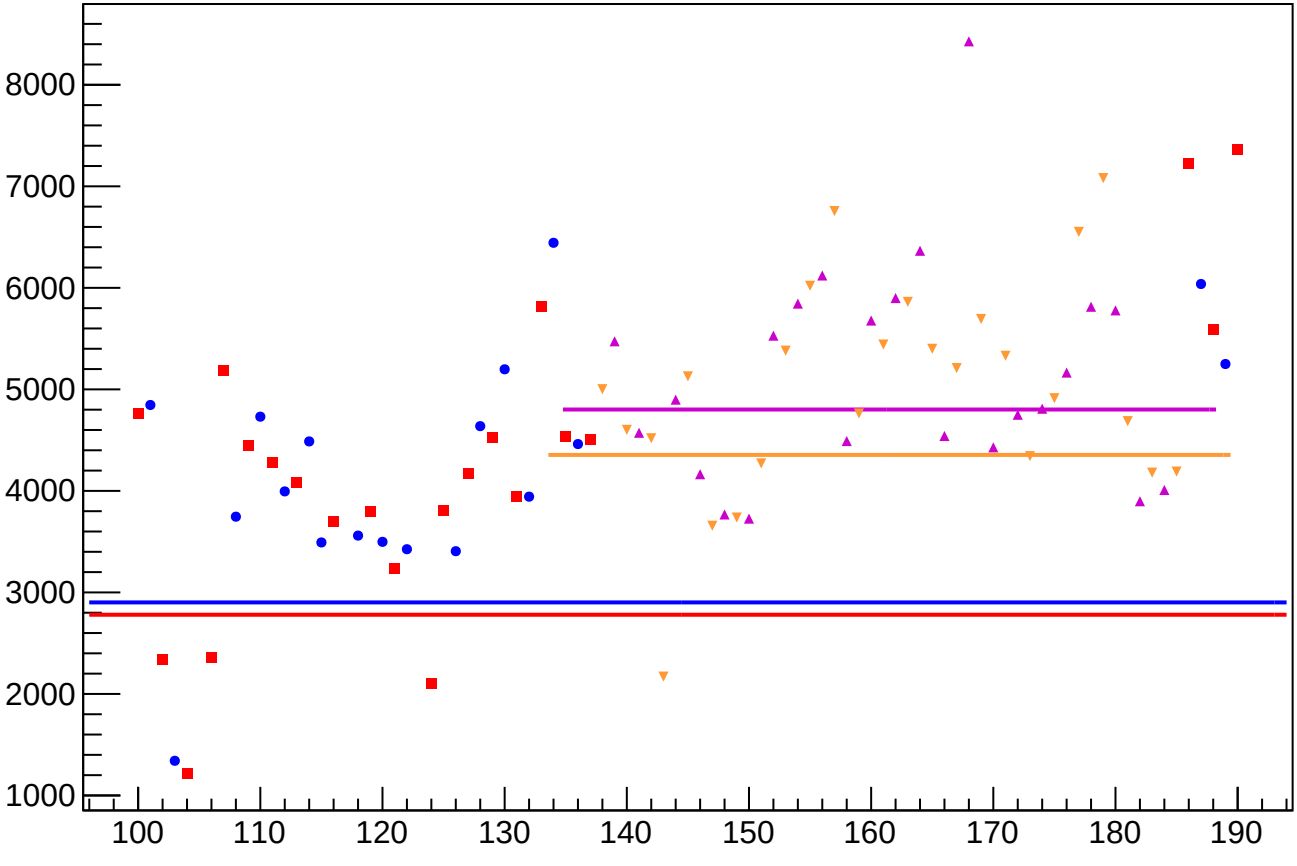
Right: -578.460+/-787.359 χ^2/NDF: 39.7/39

In: -334.879+/-815.816 χ^2/NDF:29.2/40

Out: -509.874+/-744.984 χ^2/NDF:54.1/46

All: -430.302+/-550.123 χ^2/NDF: 83.3/87

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2780.140+/-0.756 χ^2/NDF: 4184077.2/21

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

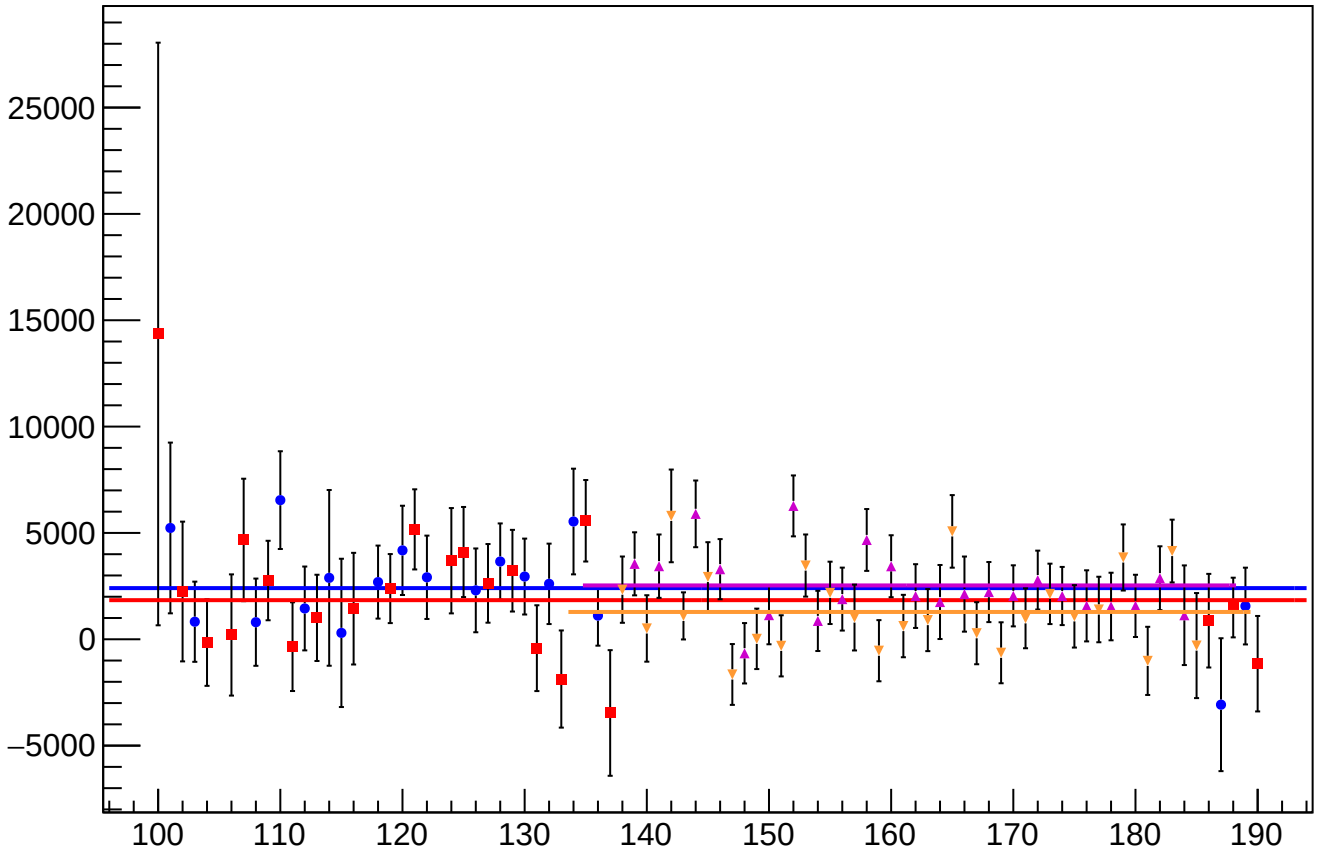
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2835.790+/-0.557 χ^2/NDF: 7523817.8/39

In: 3866.634+/-0.577 χ^2/NDF:7271197.3/40

Out: 3591.056+/-0.527 χ^2/NDF:9486587.1/46

All: 3716.365+/-0.389 χ^2/NDF: 16882224.9/8



Right In: 2405.839+/-486.133 χ^2/NDF: 12.8/17

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1838.843+/-454.724 χ^2/NDF: 23.2/21

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

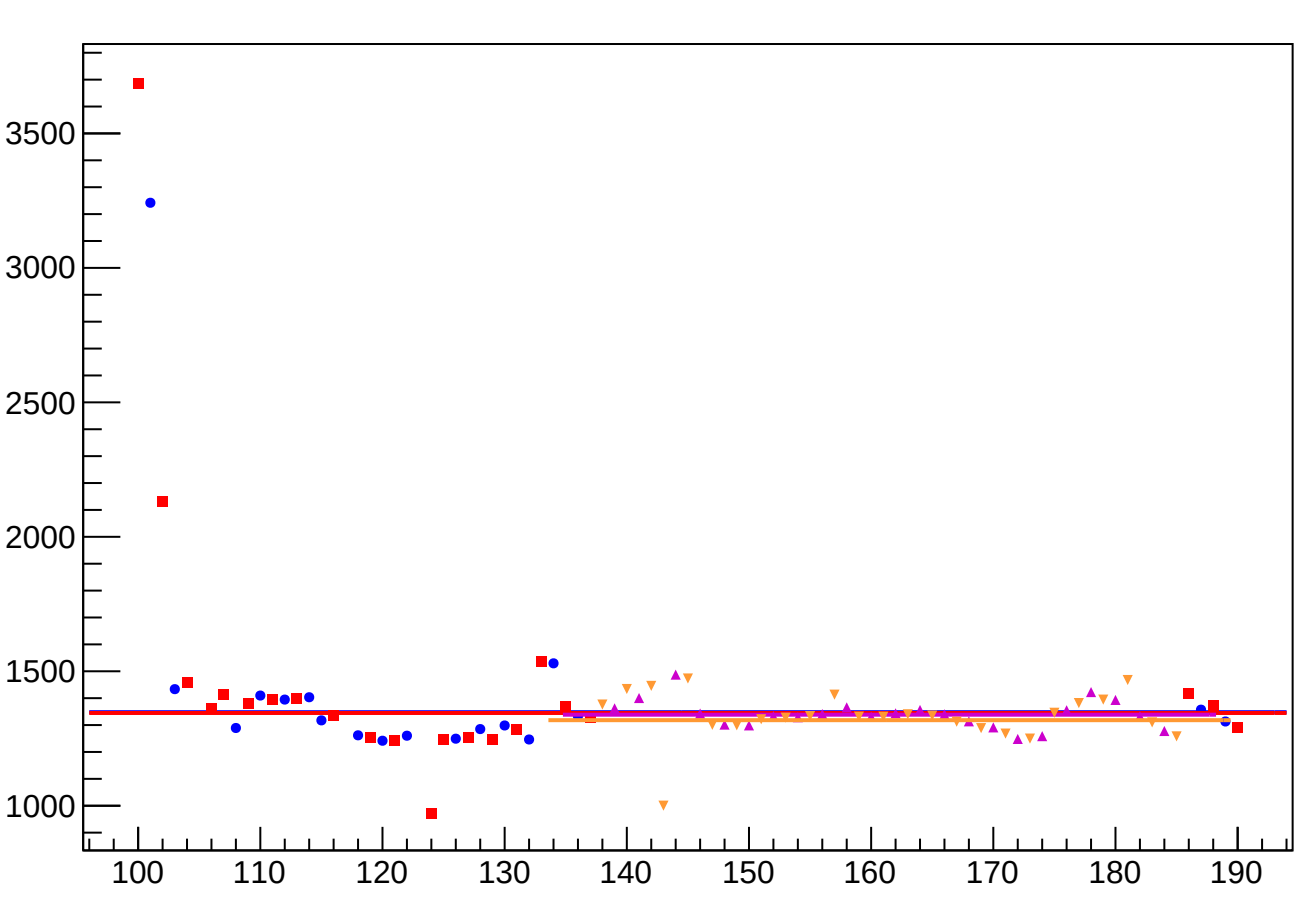
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2103.434+/-332.087 χ^2/NDF: 36.7/39

In: 2494.898+/-263.102 χ^2/NDF:37.9/40

Out: 1452.969+/-250.720 χ^2/NDF:57.6/46

All: 1948.842+/-181.505 χ^2/NDF: 103.7/87



Right In: 1347.845+/-0.344 χ^2/NDF: 494851.6/17

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1344.985+/-0.321 χ^2/NDF: 276333.1/21

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

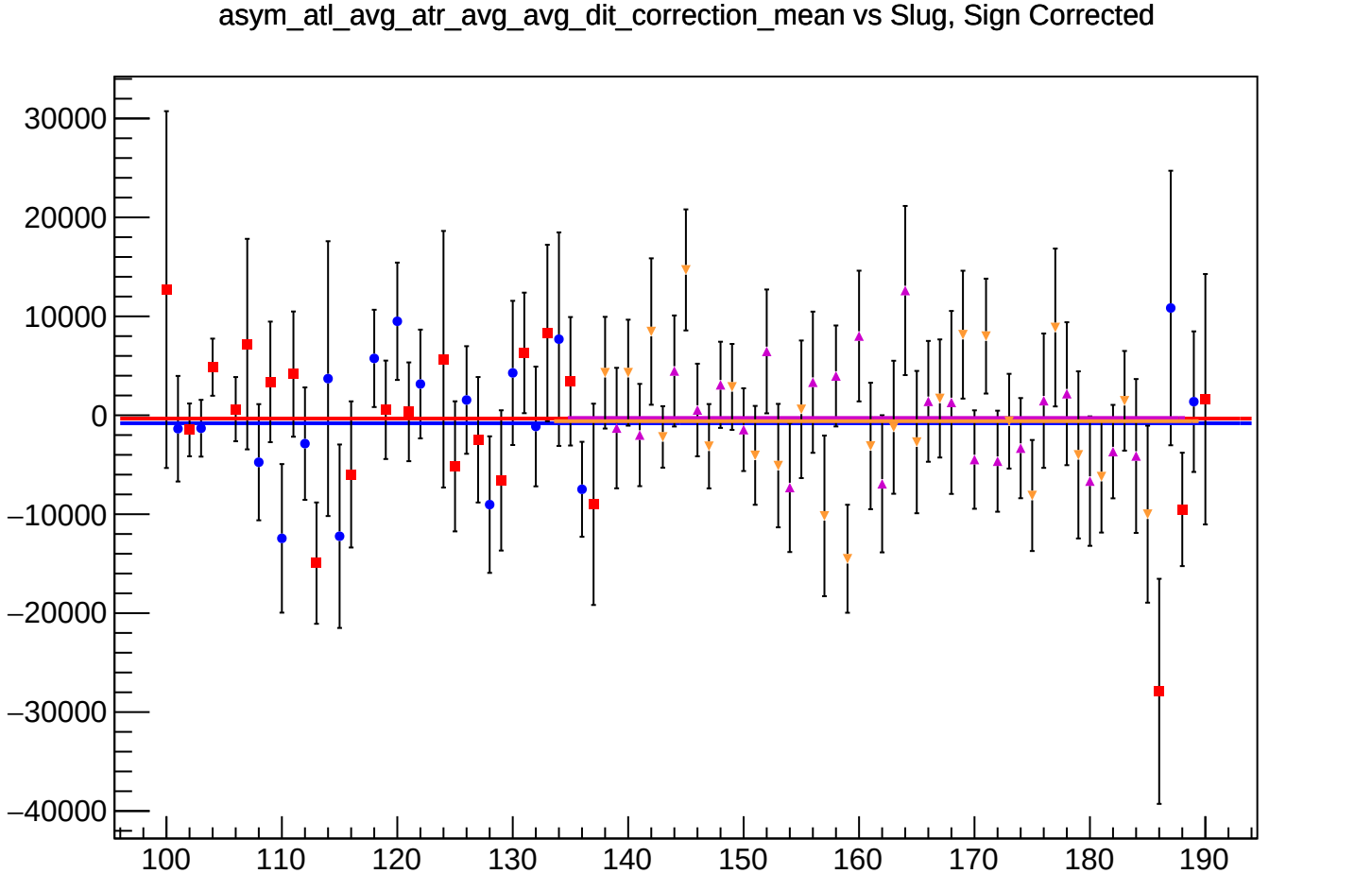
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1346.319+/-0.235 χ^2/NDF: 771221.6/39

In: 1341.310+/-0.186 χ^2/NDF:549611.2/40

Out: 1326.331+/-0.177 χ^2/NDF:529723.4/46

All: 1333.458+/-0.128 χ^2/NDF: 1082732.4/87



Right In: -802.300+/-1371.051 χ^2/NDF: 15.4/17

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -330.513+/-1165.637 χ^2/NDF: 25.0/21

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

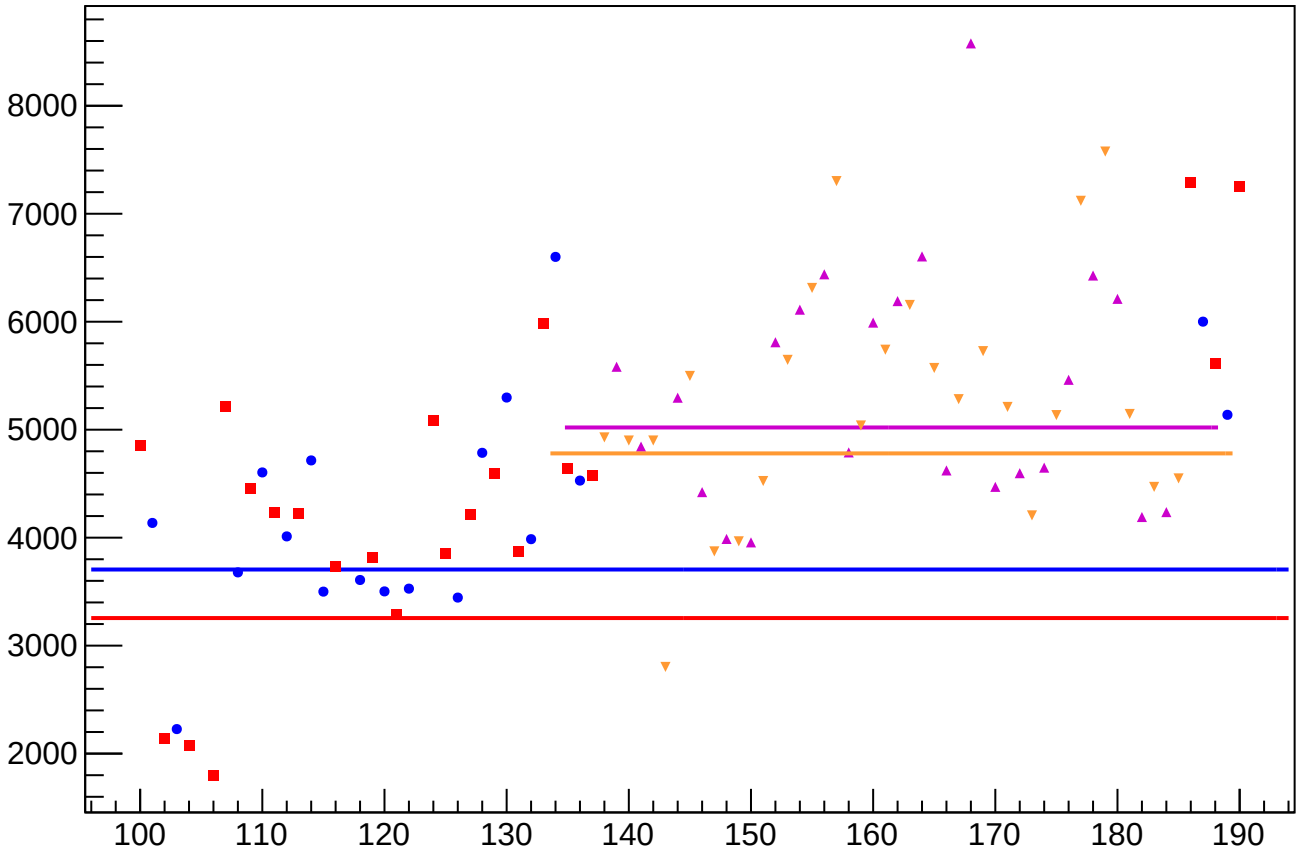
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -528.451+/-888.067 χ^2/NDF: 40.5/39

In: -501.850+/-901.620 χ^2/NDF:28.9/40

Out: -467.722+/-808.468 χ^2/NDF:54.6/46

All: -482.932+/-601.921 χ^2/NDF: 83.5/87



Right In: 3705.027+/-0.969 χ^2/NDF: 1087411.3/17

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3255.374+/-0.824 χ^2/NDF: 2675041.0/21

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

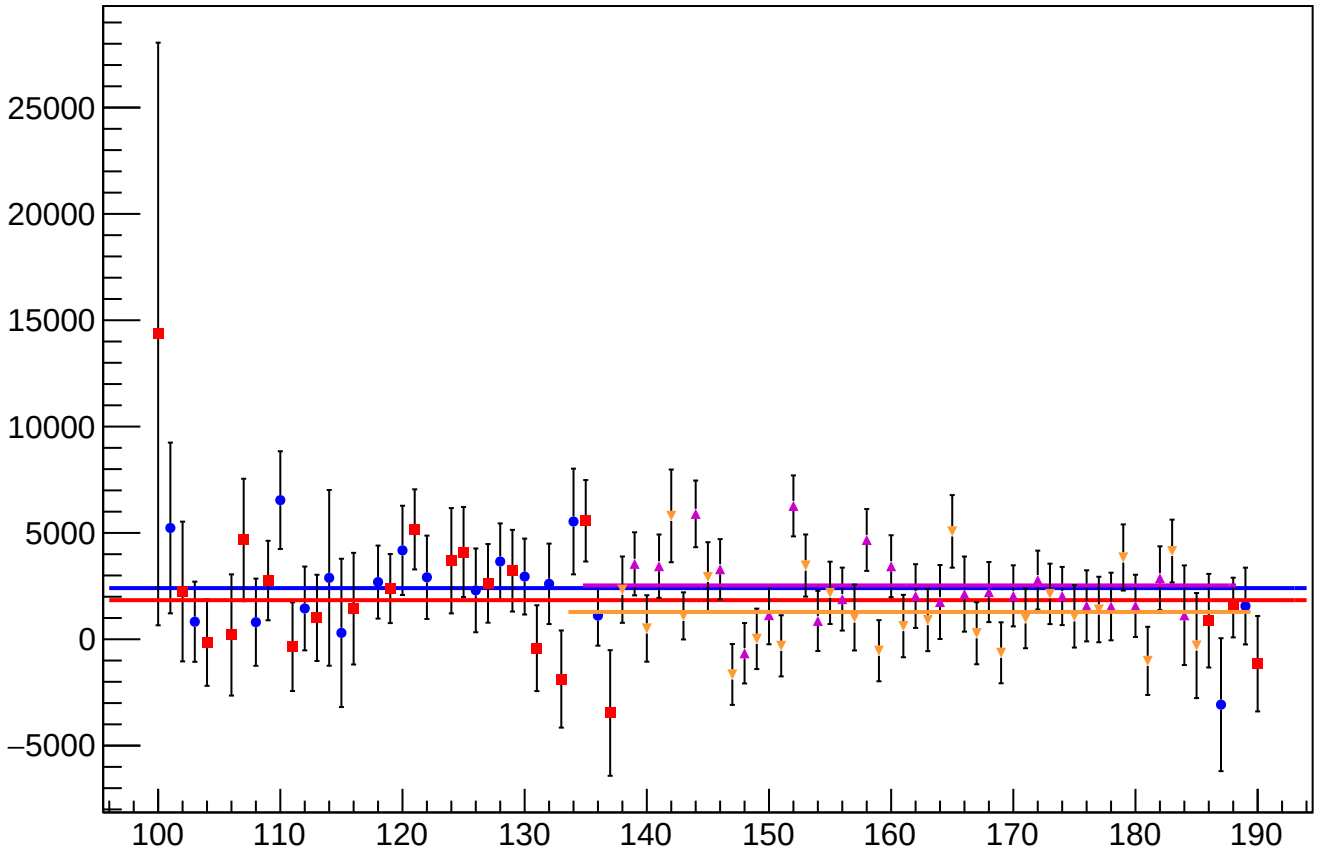
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3444.026+/-0.628 χ^2/NDF: 3887317.4/39

In: 4451.652+/-0.638 χ^2/NDF:3357529.6/40

Out: 4046.770+/-0.572 χ^2/NDF:6457817.5/46

All: 4227.222+/-0.426 χ^2/NDF: 10038906.4/8



Right In: 2405.839+/-486.133 χ^2/NDF: 12.8/17

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1838.844+/-454.724 χ^2/NDF: 23.2/21

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

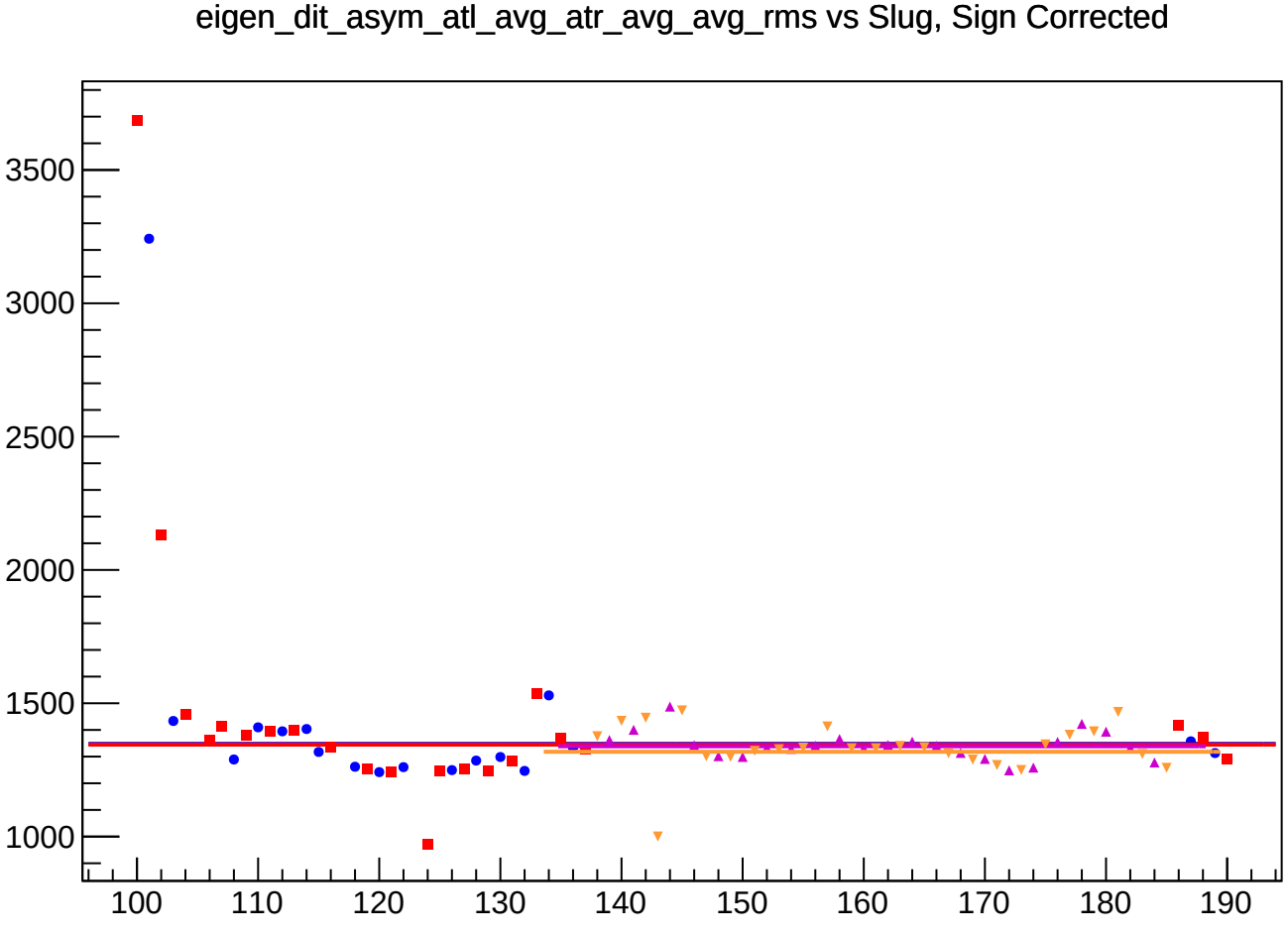
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2103.435+/-332.087 χ^2/NDF: 36.7/39

In: 2494.898+/-263.102 χ^2/NDF:37.9/40

Out: 1452.966+/-250.721 χ^2/NDF:57.6/46

All: 1948.840+/-181.505 χ^2/NDF: 103.7/87



Right In: 1347.844+/-0.344 χ^2/NDF: 494851.8/17

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1344.985+/-0.321 χ^2/NDF: 276332.1/21

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

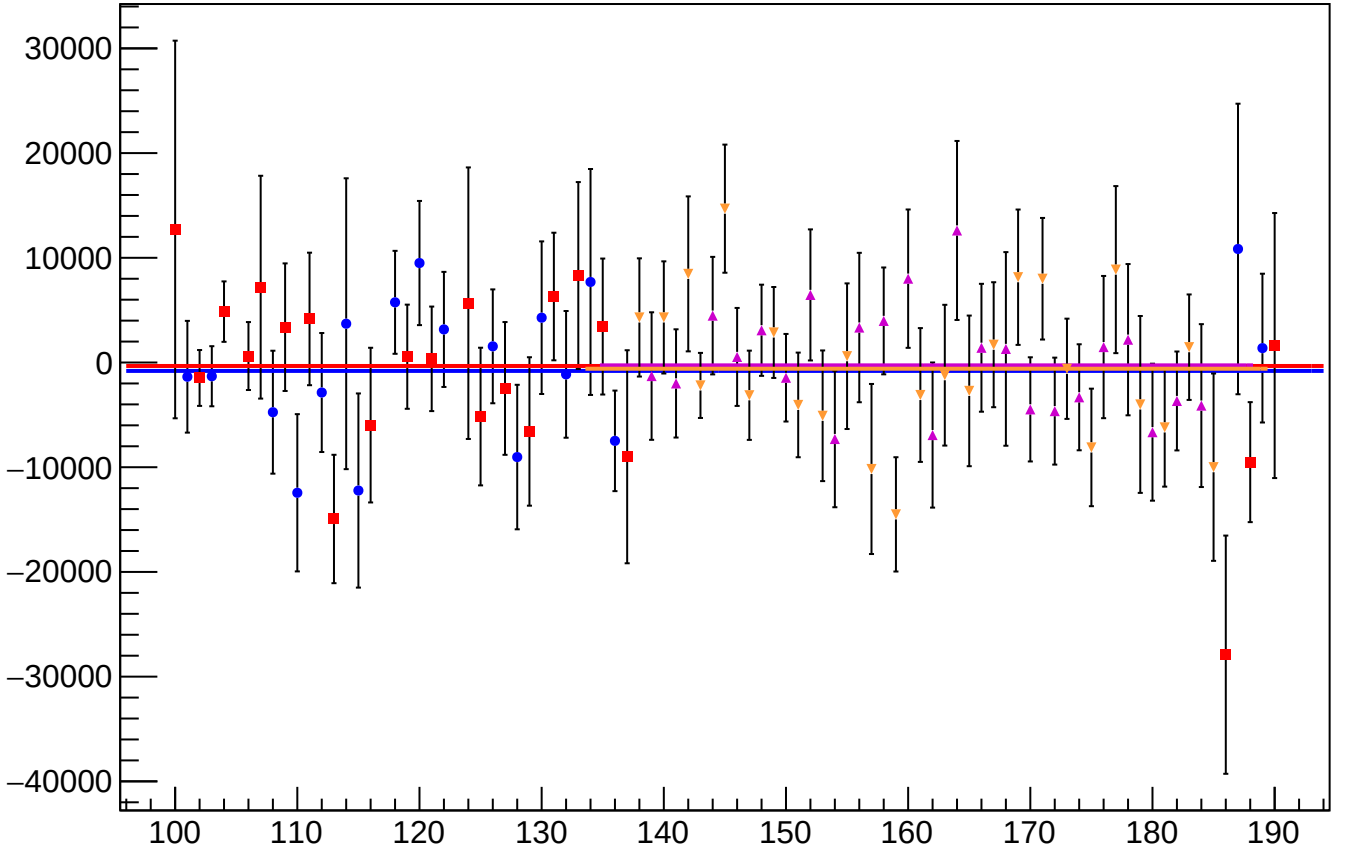
Right: 1346.319+/-0.235 χ^2/NDF: 771220.8/39

In: 1341.310+/-0.186 χ^2/NDF:549613.7/40

Out: 1326.332+/-0.177 χ^2/NDF:529724.3/46

All: 1333.459+/-0.128 χ^2/NDF: 1082735.8/87

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -802.292+/-1371.048 χ^2/NDF: 15.4/17

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -330.508+/-1165.634 χ^2/NDF: 25.0/21

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

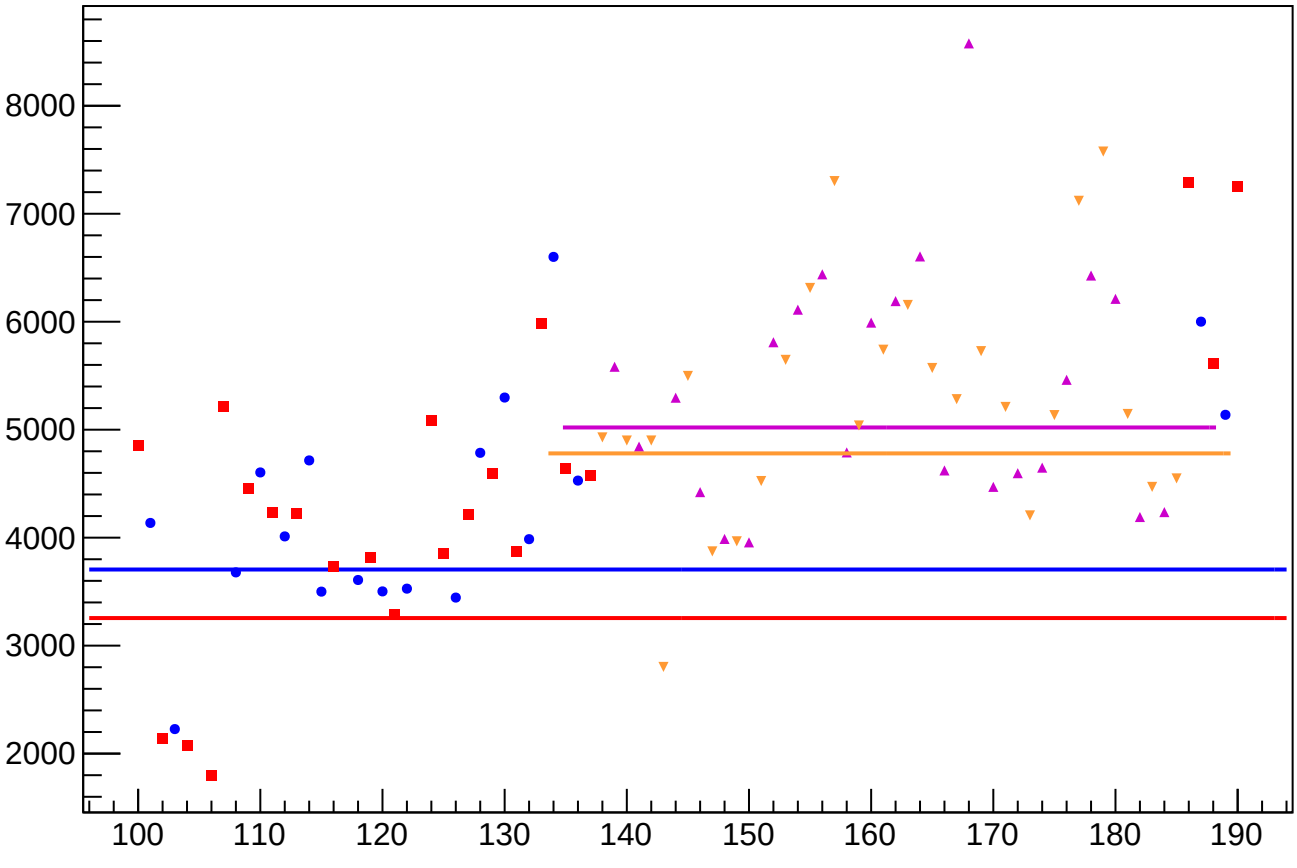
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -528.445+/-888.065 χ^2/NDF: 40.5/39

In: -501.848+/-901.620 χ^2/NDF:28.9/40

Out: -467.721+/-808.467 χ^2/NDF:54.6/46

All: -482.931+/-601.921 χ^2/NDF: 83.5/87



Right In: 3705.018+/-0.969 χ^2/NDF: 1087415.8/17

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3255.366+/-0.824 χ^2/NDF: 2675048.9/21

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

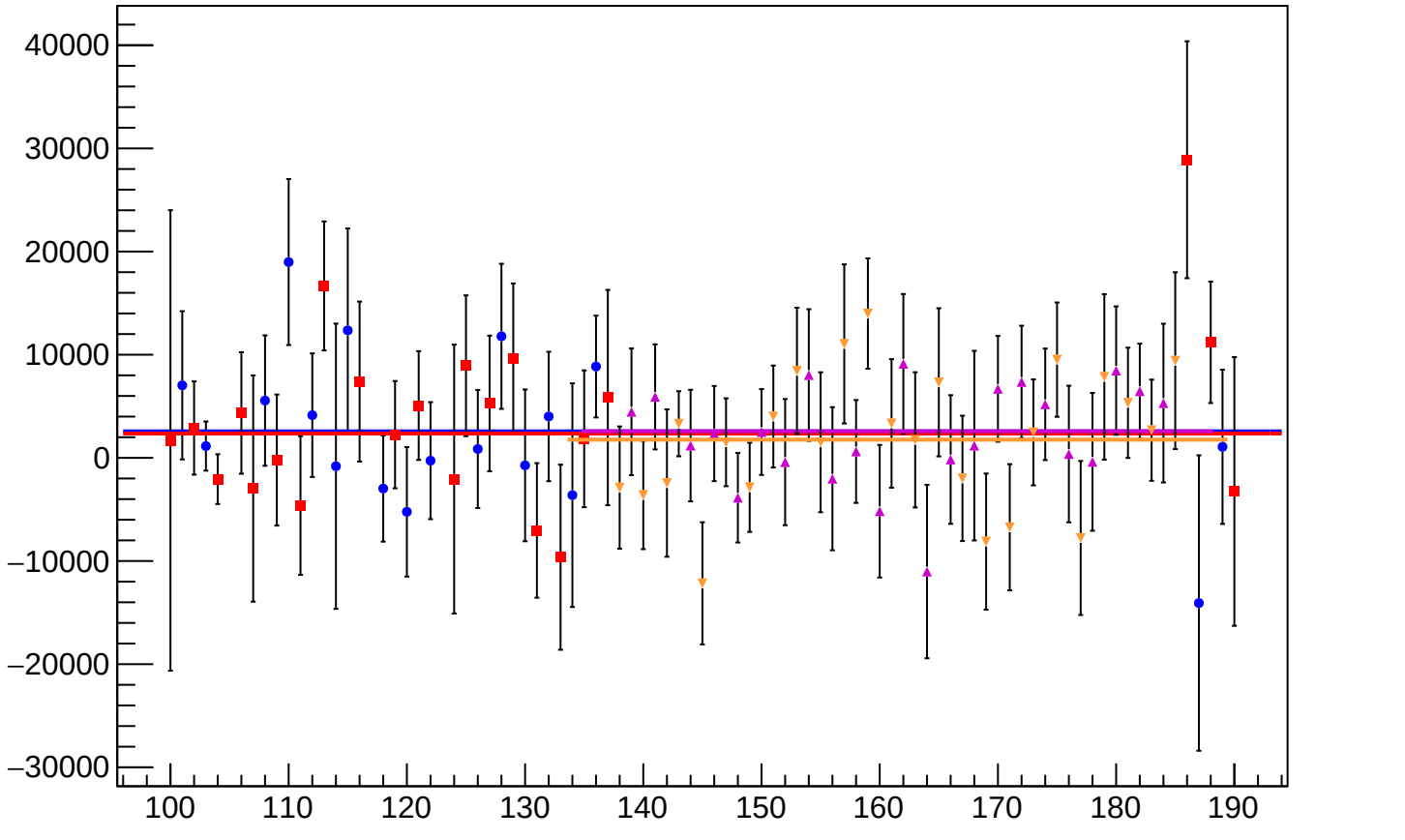
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3444.017+/-0.628 χ^2/NDF: 3887330.5/39

In: 4451.650+/-0.638 χ^2/NDF:3357564.9/40

Out: 4046.767+/-0.572 χ^2/NDF:6457867.2/46

All: 4227.219+/-0.426 χ^2/NDF: 10038993.2/8



Right In: 2572.222+/-1359.863 χ^2/NDF: 14.6/17

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2359.592+/-1289.086 χ^2/NDF: 24.9/21

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

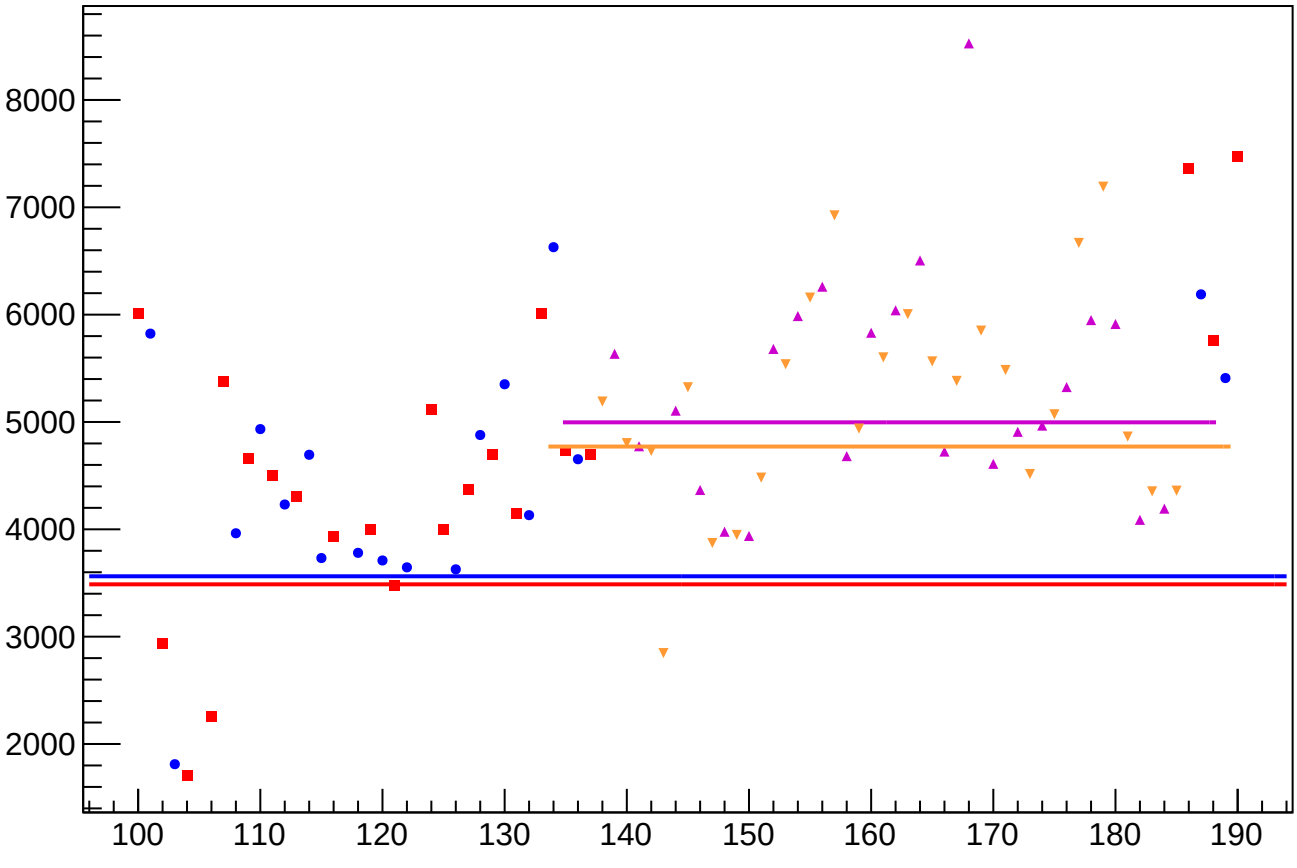
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2460.230+/-935.542 χ^2/NDF: 39.5/39

In: 2576.609+/-894.865 χ^2/NDF:27.9/40

Out: 2017.891+/-843.840 χ^2/NDF:52.7/46

All: 2280.868+/-613.931 χ^2/NDF: 80.8/87



Right In: 3562.443+/-0.962 χ^2/NDF: 2041465.5/17

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3487.511+/-0.900 χ^2/NDF: 2637212.4/21

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

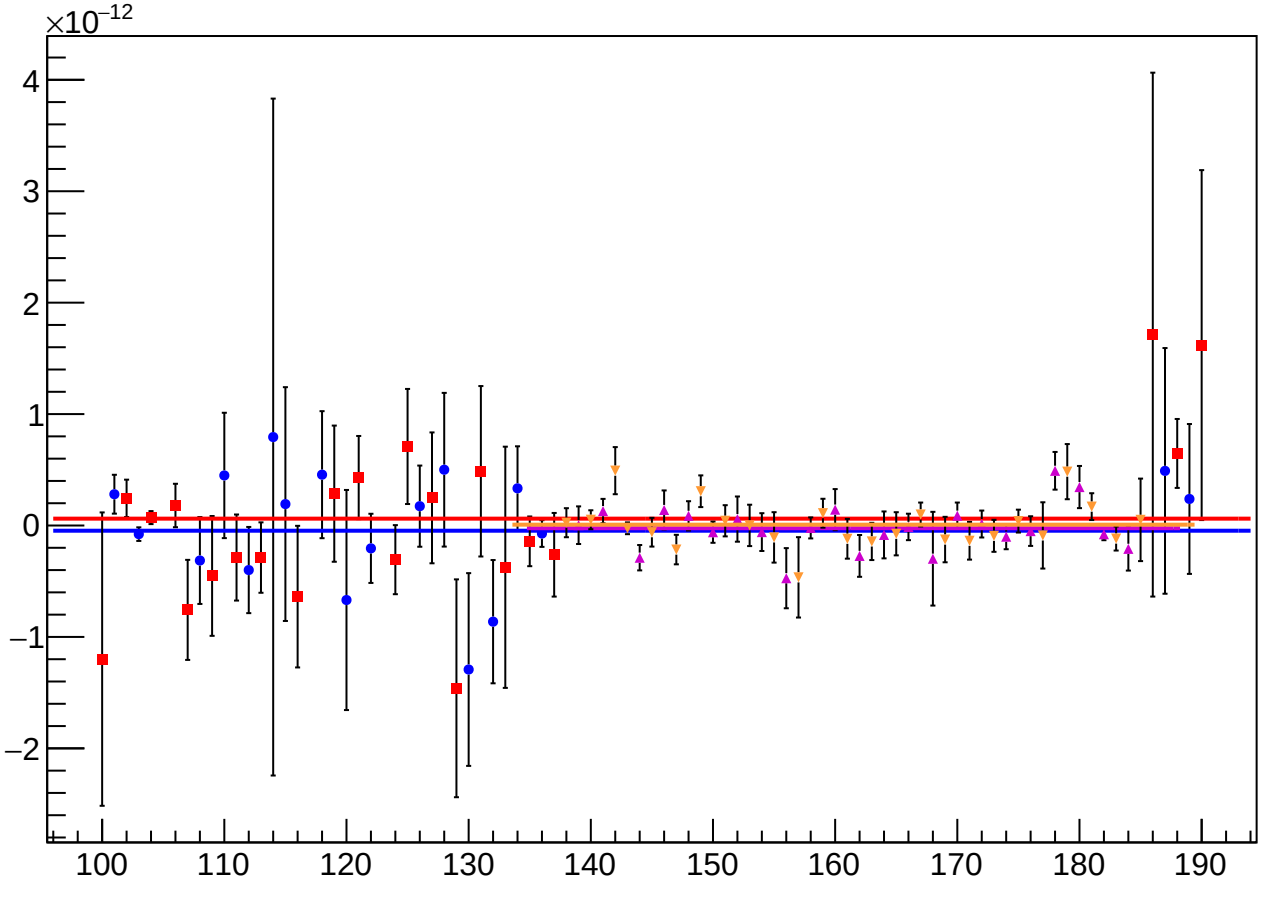
Right: 3522.499+/-0.657 χ^2/NDF: 4681915.1/39

In: 4375.619+/-0.633 χ^2/NDF:4398776.8/40

Out: 4213.056+/-0.593 χ^2/NDF:5574314.6/46

All: 4289.124+/-0.433 χ^2/NDF: 10008209.7/8

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/21

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

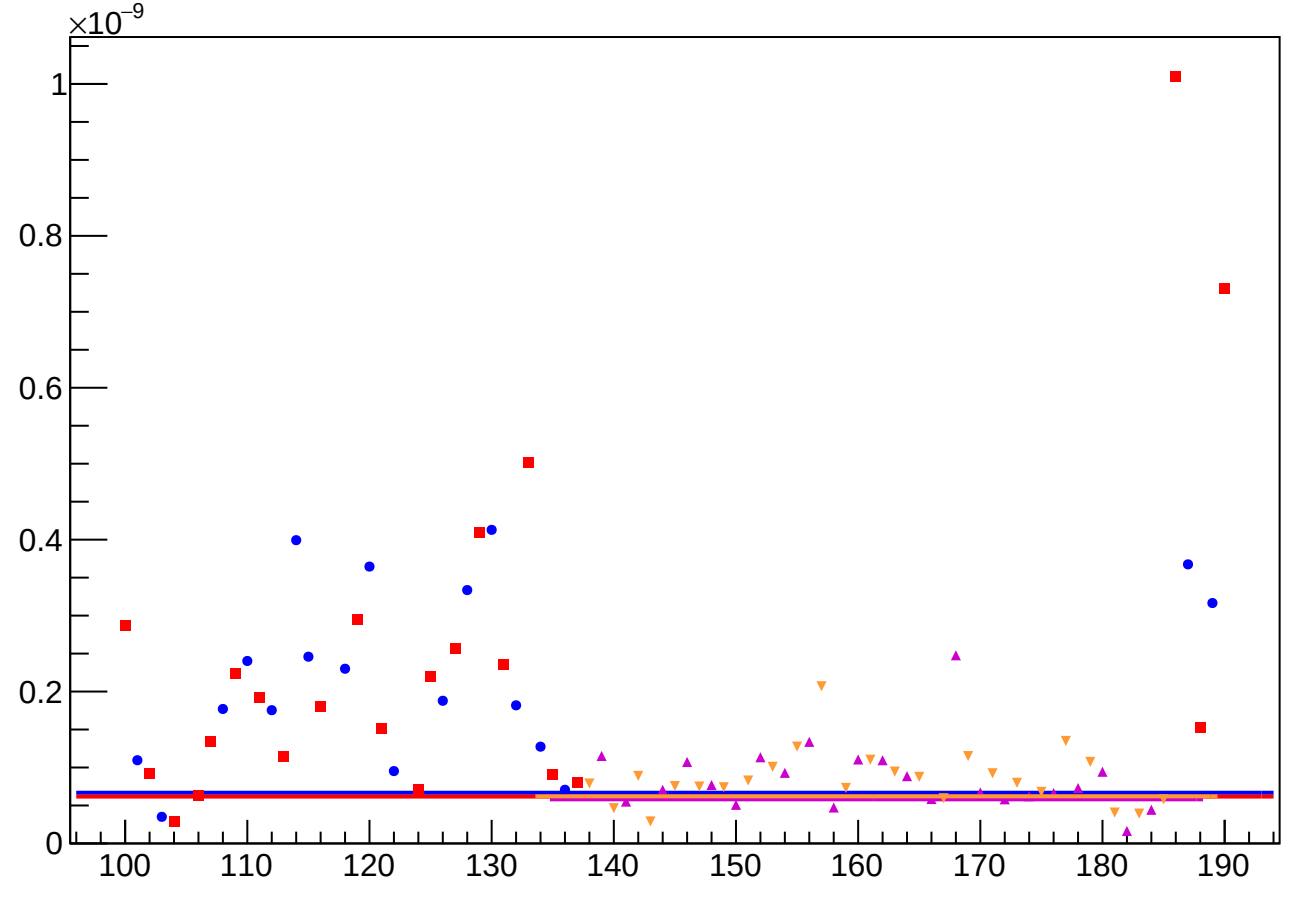
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 40.5/39

In: -0.000+/-0.000 χ^2/NDF:46.0/40

Out: 0.000+/-0.000 χ^2/NDF:51.8/46

All: -0.000+/-0.000 χ^2/NDF: 100.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 3020633.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3726422.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

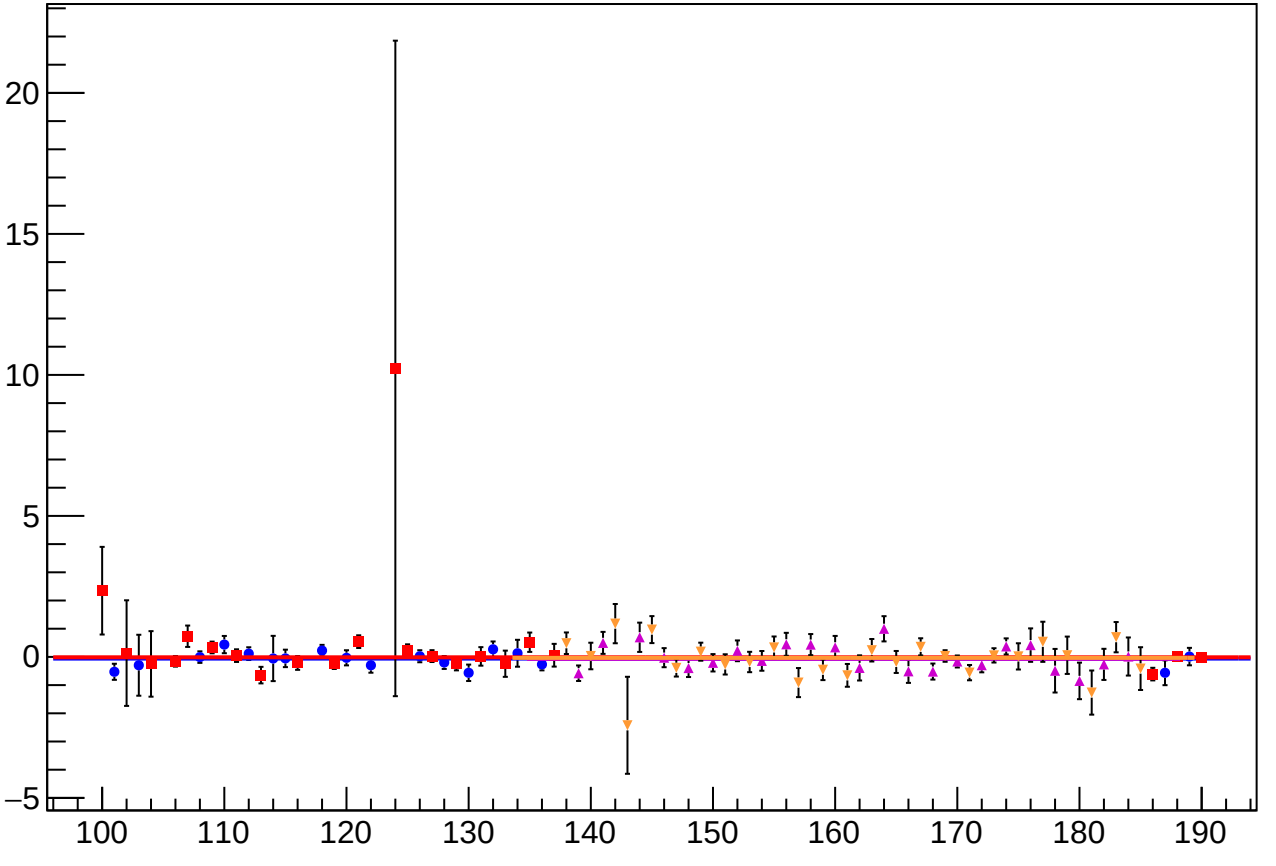
Right: 0.000+/-0.000 χ^2/NDF: 6758249.1/39

In: 0.000+/-0.000 χ^2/NDF:6036825.8/40

Out: 0.000+/-0.000 χ^2/NDF:6169868.9/46

All: 0.000+/-0.000 χ^2/NDF: 12213441.4/87

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.014+/-0.052 χ^2/NDF: 35.2/21

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

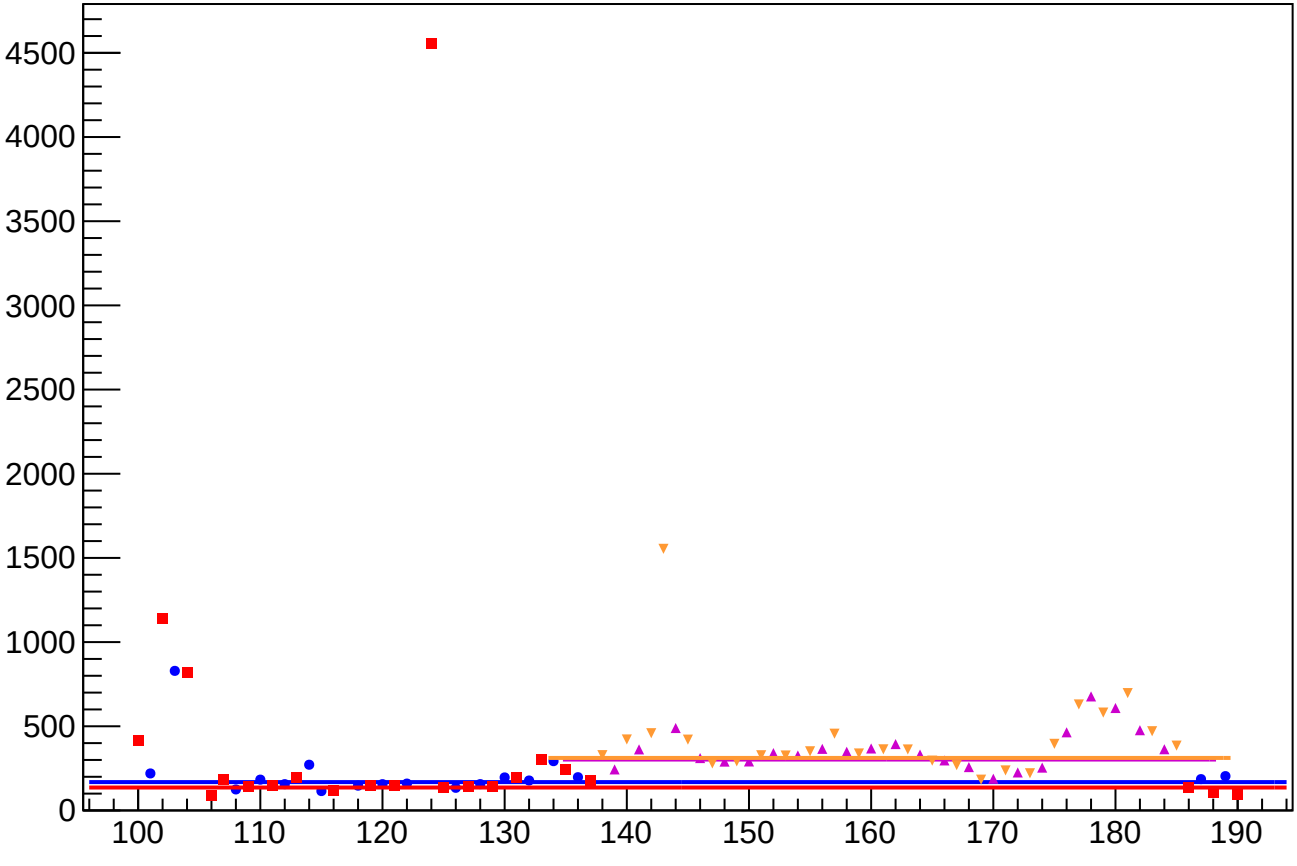
Right: -0.032+/-0.040 χ^2/NDF: 51.7/39

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.043 χ^2/NDF:67.7/46

All: -0.039+/-0.032 χ^2/NDF: 114.4/87

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 136.242+/-0.037 χ^2/NDF: 2701459.8/21

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

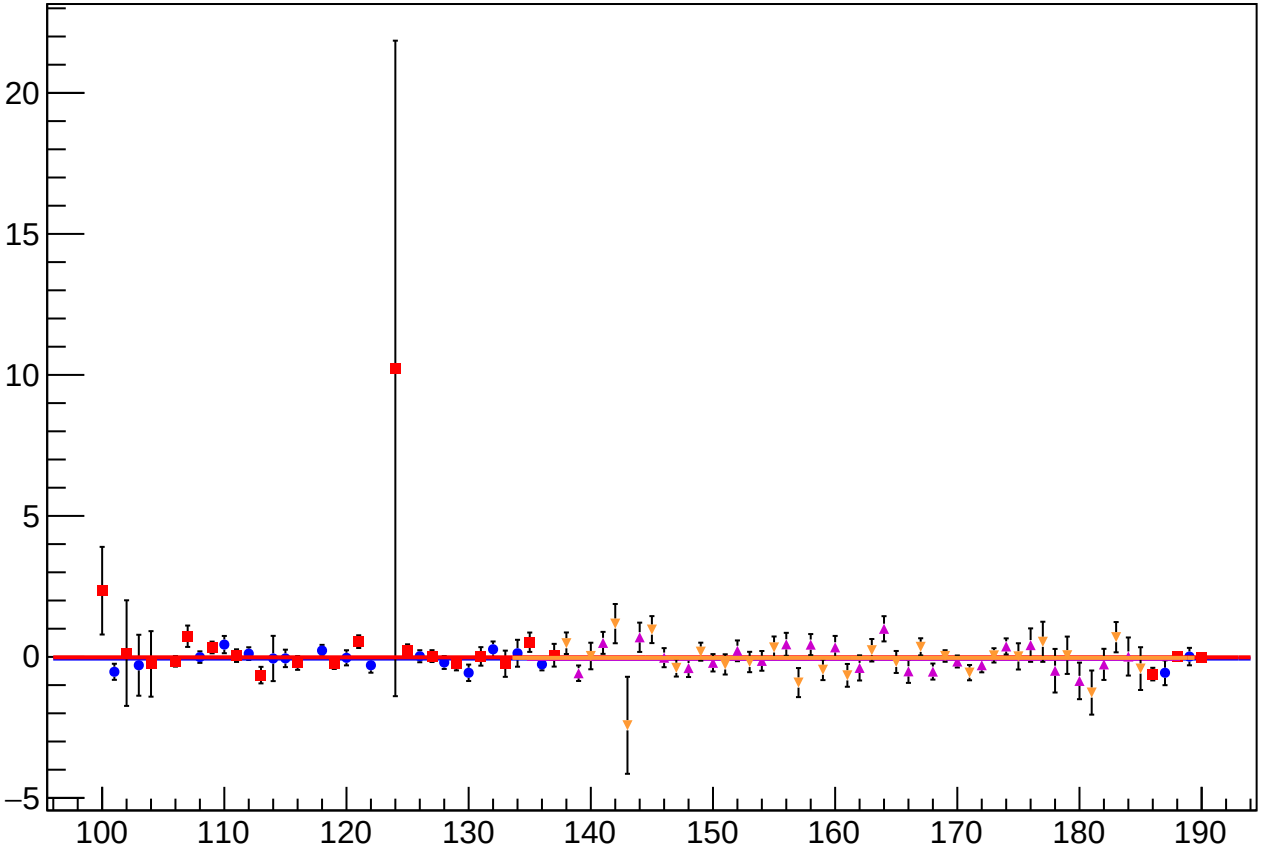
Right: 148.854+/-0.029 χ^2/NDF: 4318038.4/39

In: 225.483+/-0.035 χ^2/NDF:7795438.2/40

Out: 191.318+/-0.030 χ^2/NDF:14263628.6/46

All: 206.193+/-0.023 χ^2/NDF: 22610683.9/87

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.014+/-0.052 χ^2/NDF: 35.2/21

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

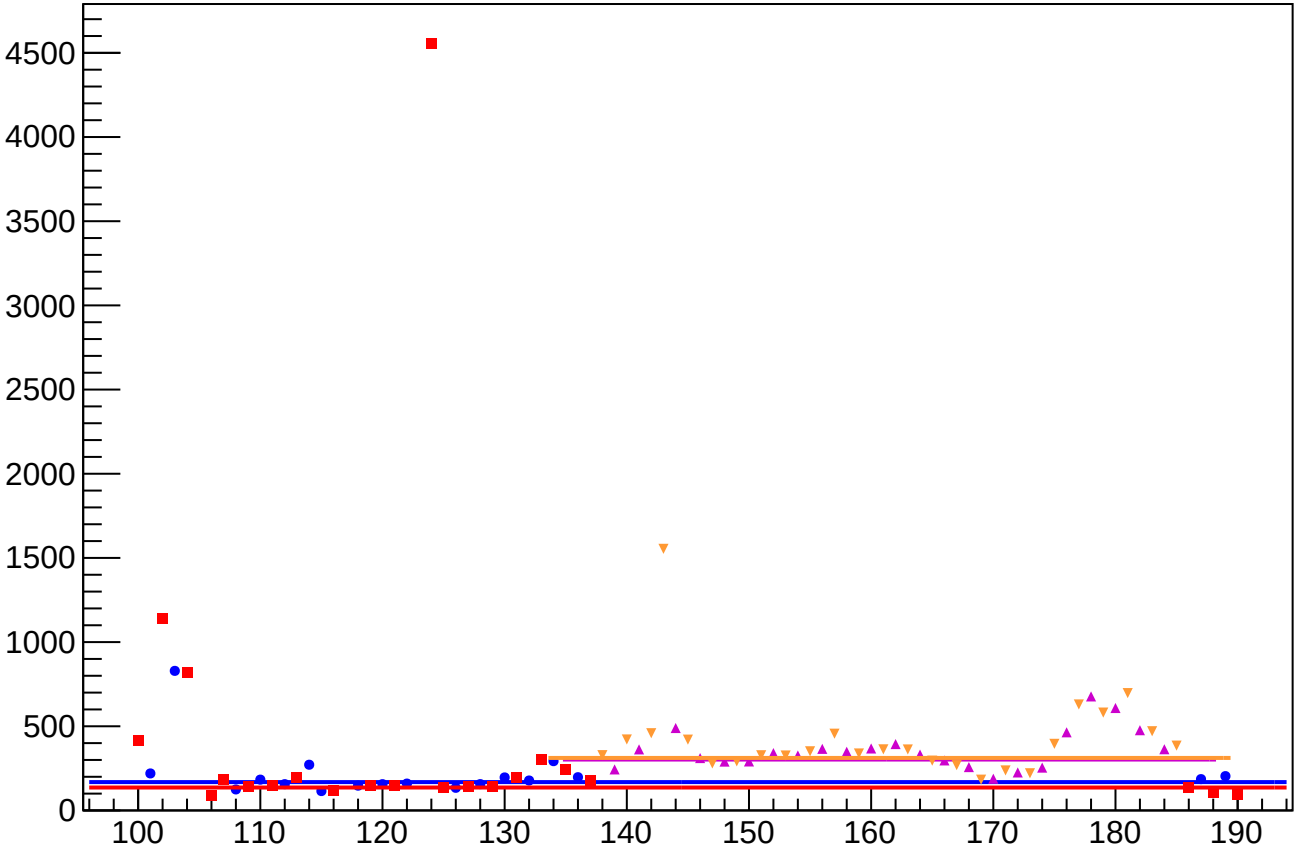
Right: -0.032+/-0.040 χ^2/NDF: 51.7/39

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.043 χ^2/NDF:67.7/46

All: -0.039+/-0.032 χ^2/NDF: 114.4/87

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 136.242+/-0.037 χ^2/NDF: 2701459.8/21

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

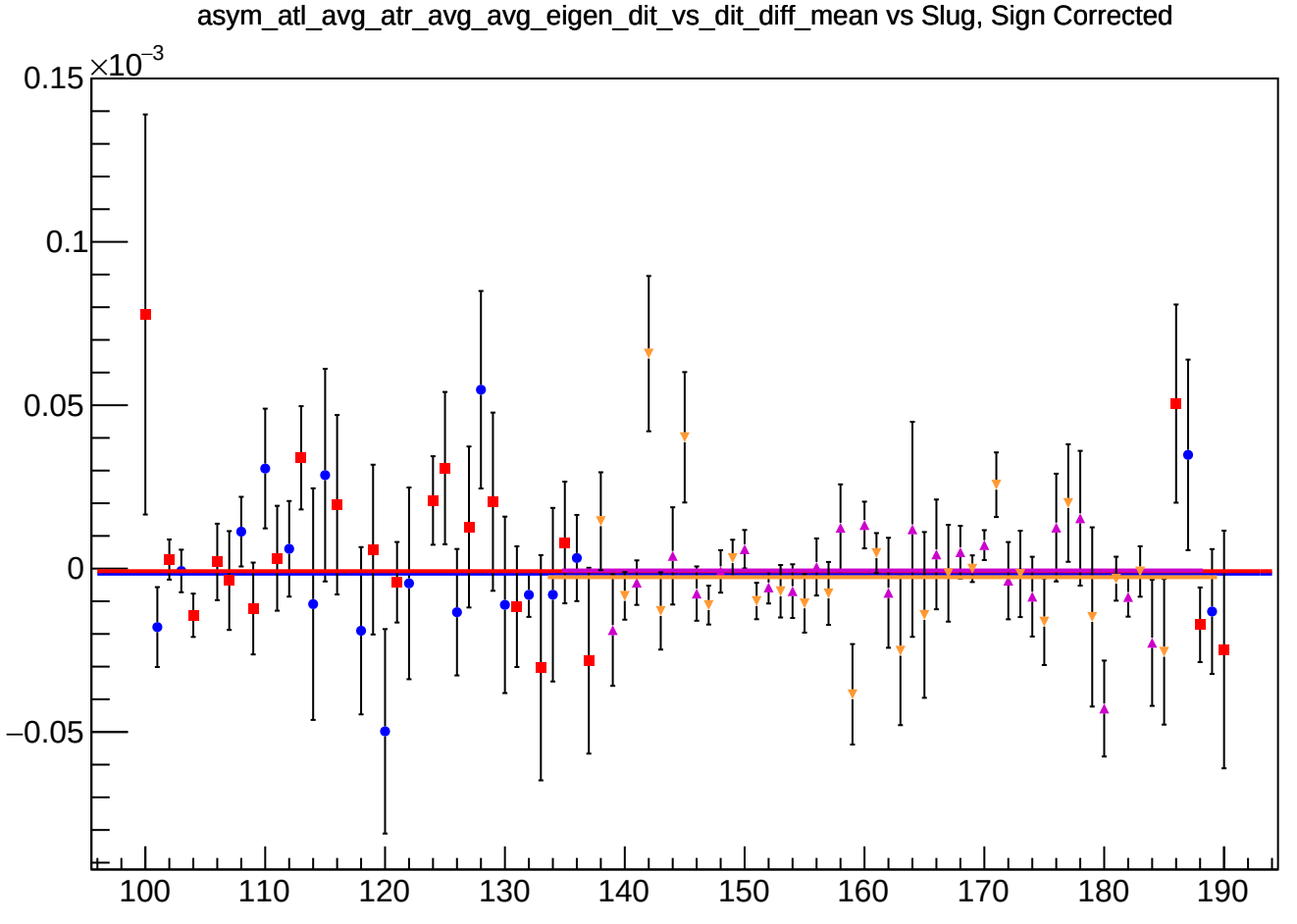
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 148.854+/-0.029 χ^2/NDF: 4318038.4/39

In: 225.483+/-0.035 χ^2/NDF:7795438.2/40

Out: 191.318+/-0.030 χ^2/NDF:14263628.6/46

All: 206.193+/-0.023 χ^2/NDF: 22610683.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/21

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

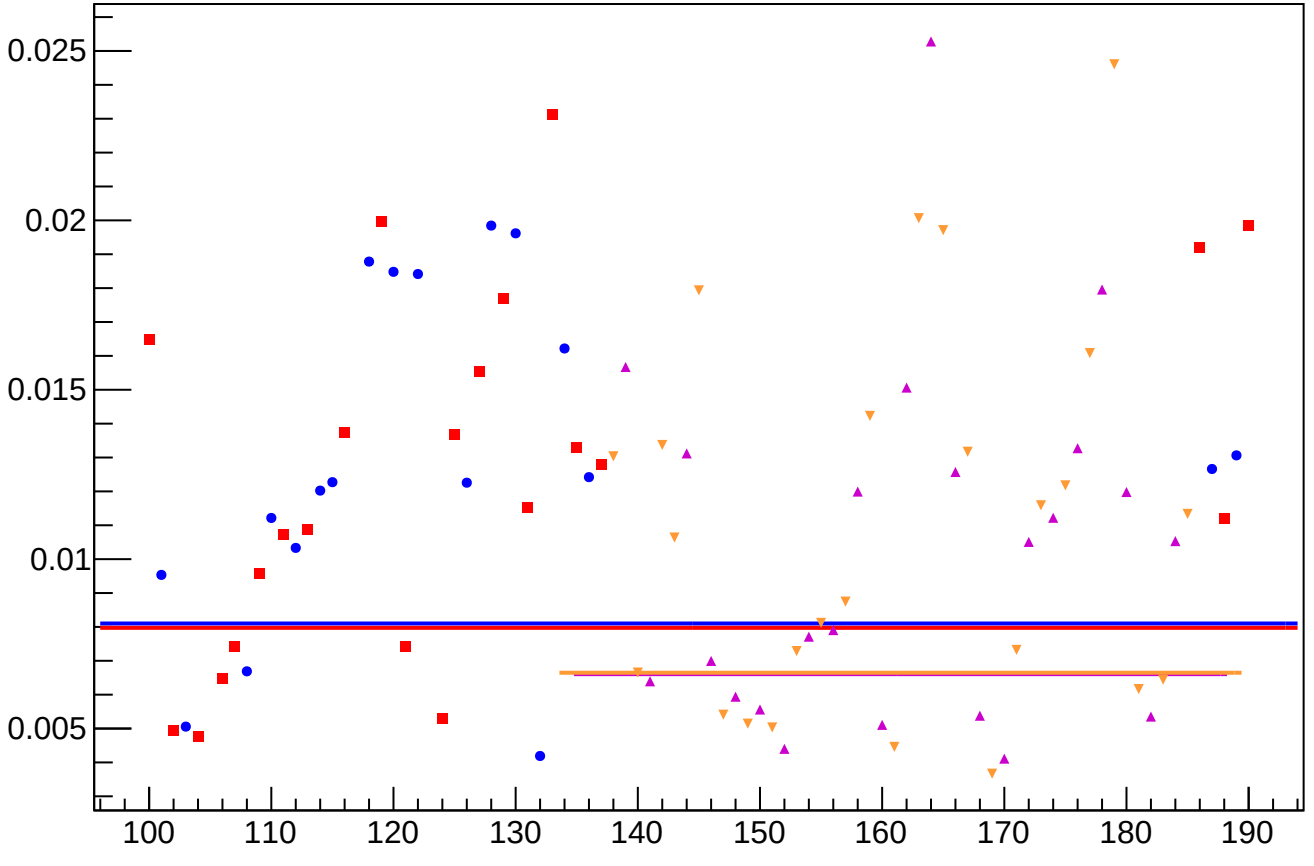
Right: -0.000+/-0.000 χ^2/NDF: 42.8/39

In: -0.000+/-0.000 χ^2/NDF:44.3/40

Out: -0.000+/-0.000 χ^2/NDF:68.0/46

All: -0.000+/-0.000 χ^2/NDF: 112.8/87

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3493997.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3663249.6/21

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

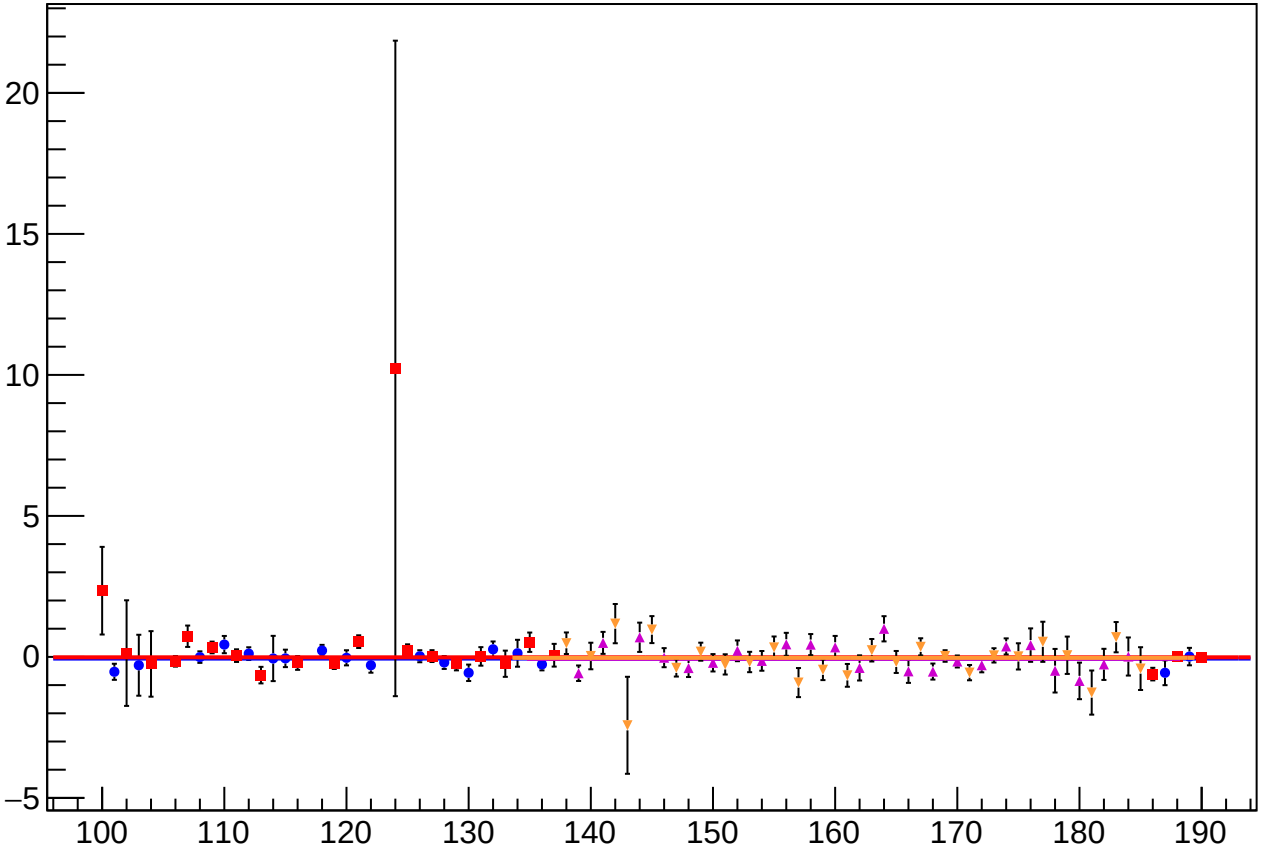
Right: 0.008+/-0.000 χ^2/NDF: 7158877.3/39

In: 0.007+/-0.000 χ^2/NDF:9664115.2/40

Out: 0.007+/-0.000 χ^2/NDF:11469598.6/46

All: 0.007+/-0.000 χ^2/NDF: 21134496.8/87

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.014+/-0.052 χ^2/NDF: 35.2/21

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

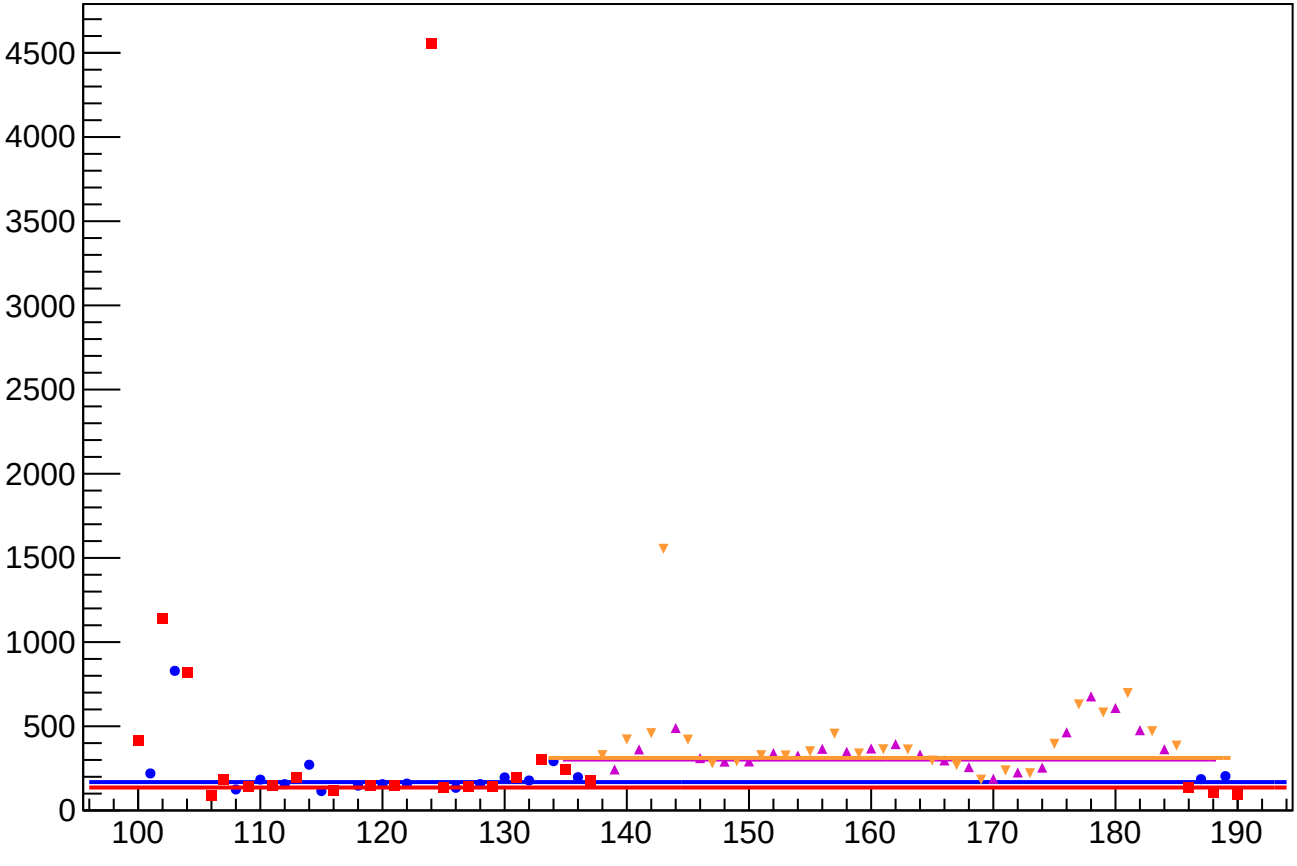
Right: -0.032+/-0.040 χ^2/NDF: 51.7/39

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.043 χ^2/NDF:67.7/46

All: -0.039+/-0.032 χ^2/NDF: 114.4/87

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 136.239+/-0.037 χ^2/NDF: 2701535.9/21

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

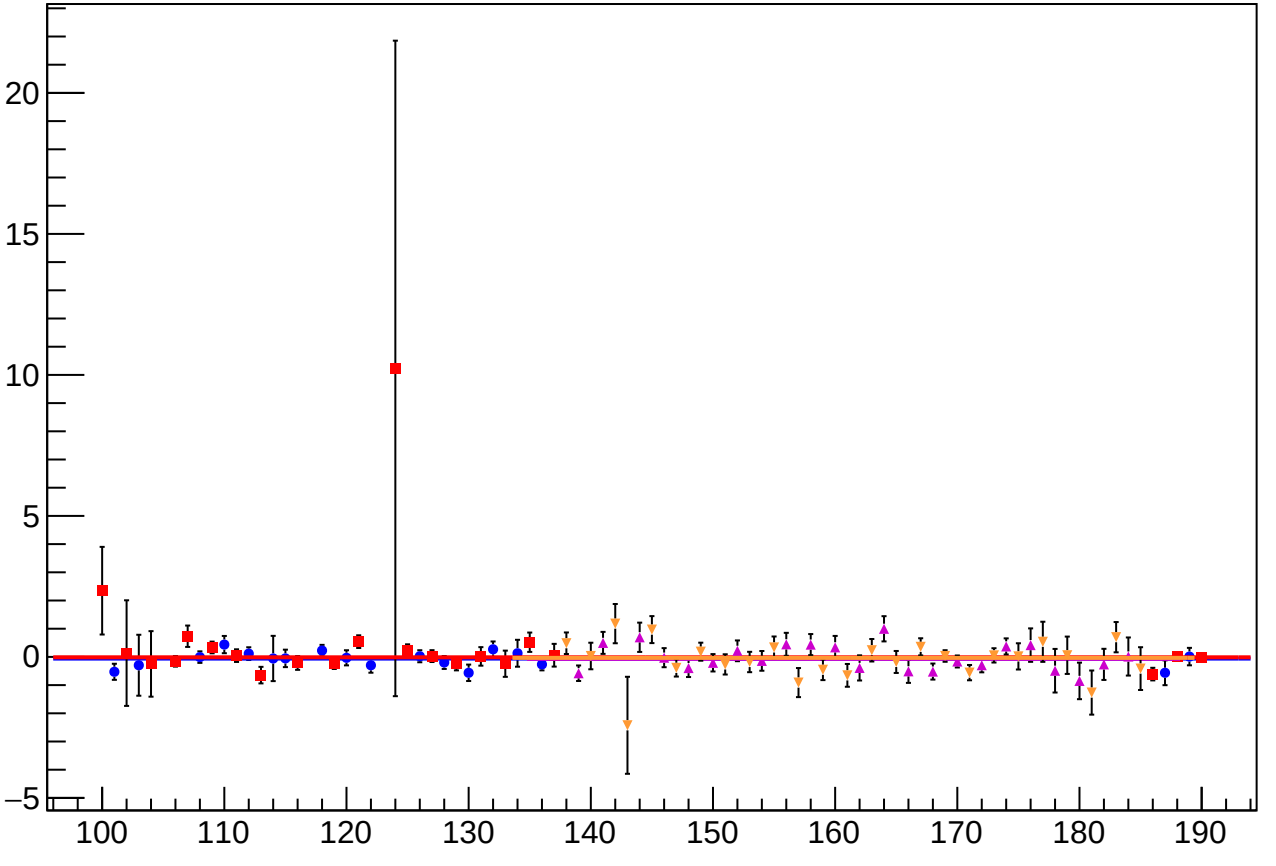
Right: 148.852+/-0.029 χ^2/NDF: 4318189.3/39

In: 225.483+/-0.035 χ^2/NDF:7795661.1/40

Out: 191.313+/-0.030 χ^2/NDF:14264272.2/46

All: 206.190+/-0.023 χ^2/NDF: 22611681.6/87

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.014+/-0.052 χ^2/NDF: 35.2/21

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

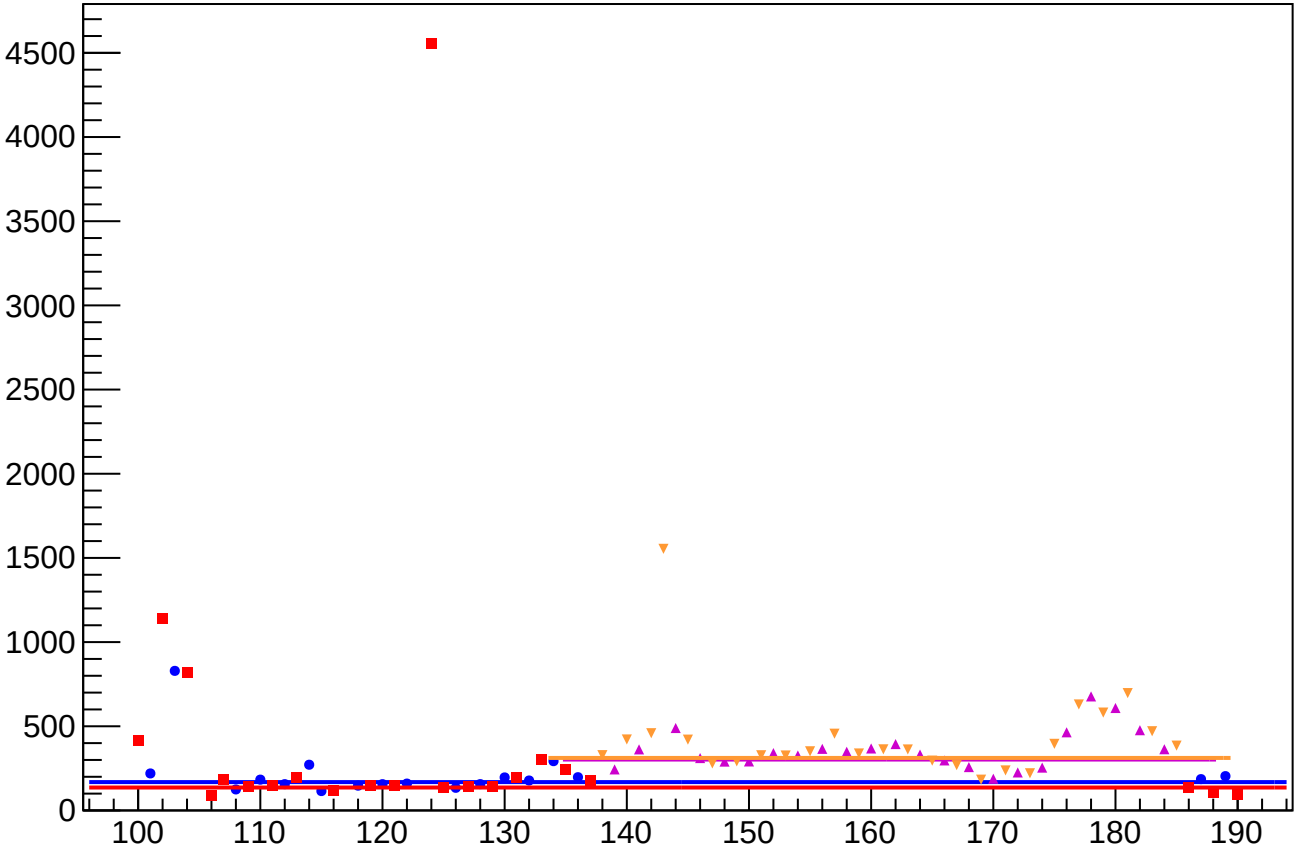
Right: -0.032+/-0.040 χ^2/NDF: 51.7/39

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.043 χ^2/NDF:67.7/46

All: -0.039+/-0.032 χ^2/NDF: 114.4/87

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 136.239+/-0.037 χ^2/NDF: 2701535.9/21

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

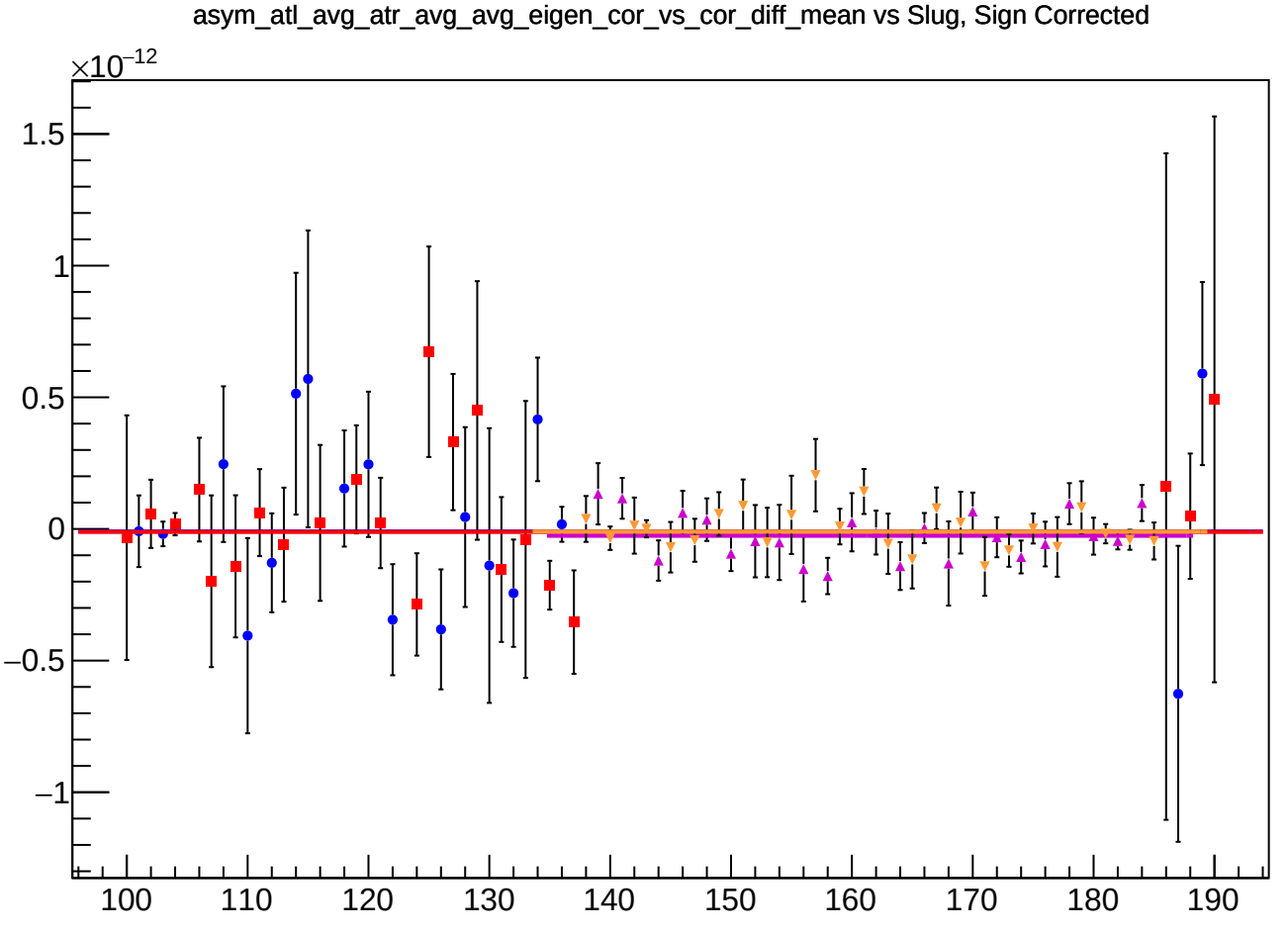
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 148.852+/-0.029 χ^2/NDF: 4318189.3/39

In: 225.483+/-0.035 χ^2/NDF:7795661.1/40

Out: 191.313+/-0.030 χ^2/NDF:14264272.2/46

All: 206.190+/-0.023 χ^2/NDF: 22611681.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

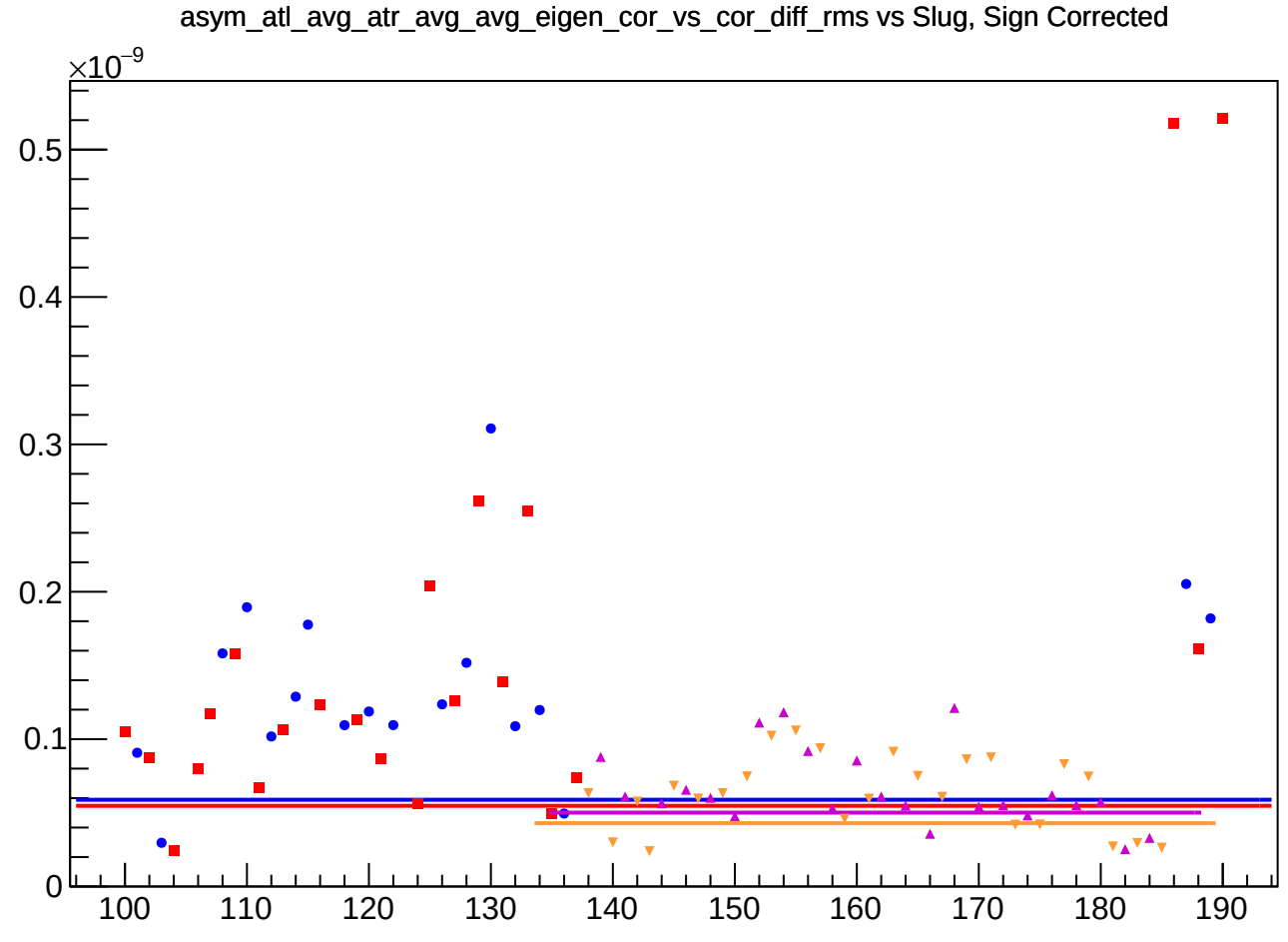
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 39.5/39

In: -0.000+/-0.000 χ^2/NDF:48.1/40

Out: -0.000+/-0.000 χ^2/NDF:35.4/46

All: -0.000+/-0.000 χ^2/NDF: 84.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 3374126.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4346671.4/21

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

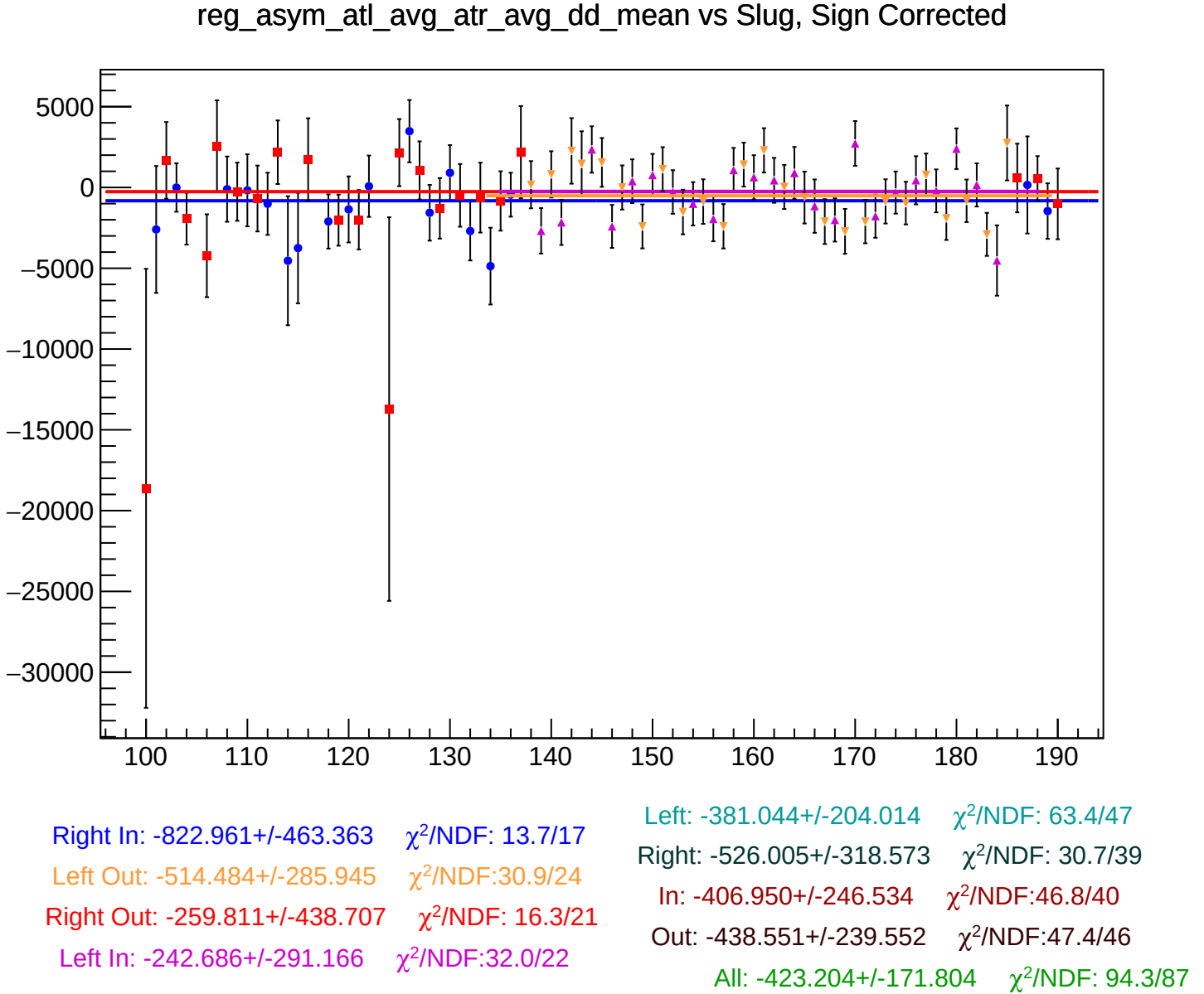
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

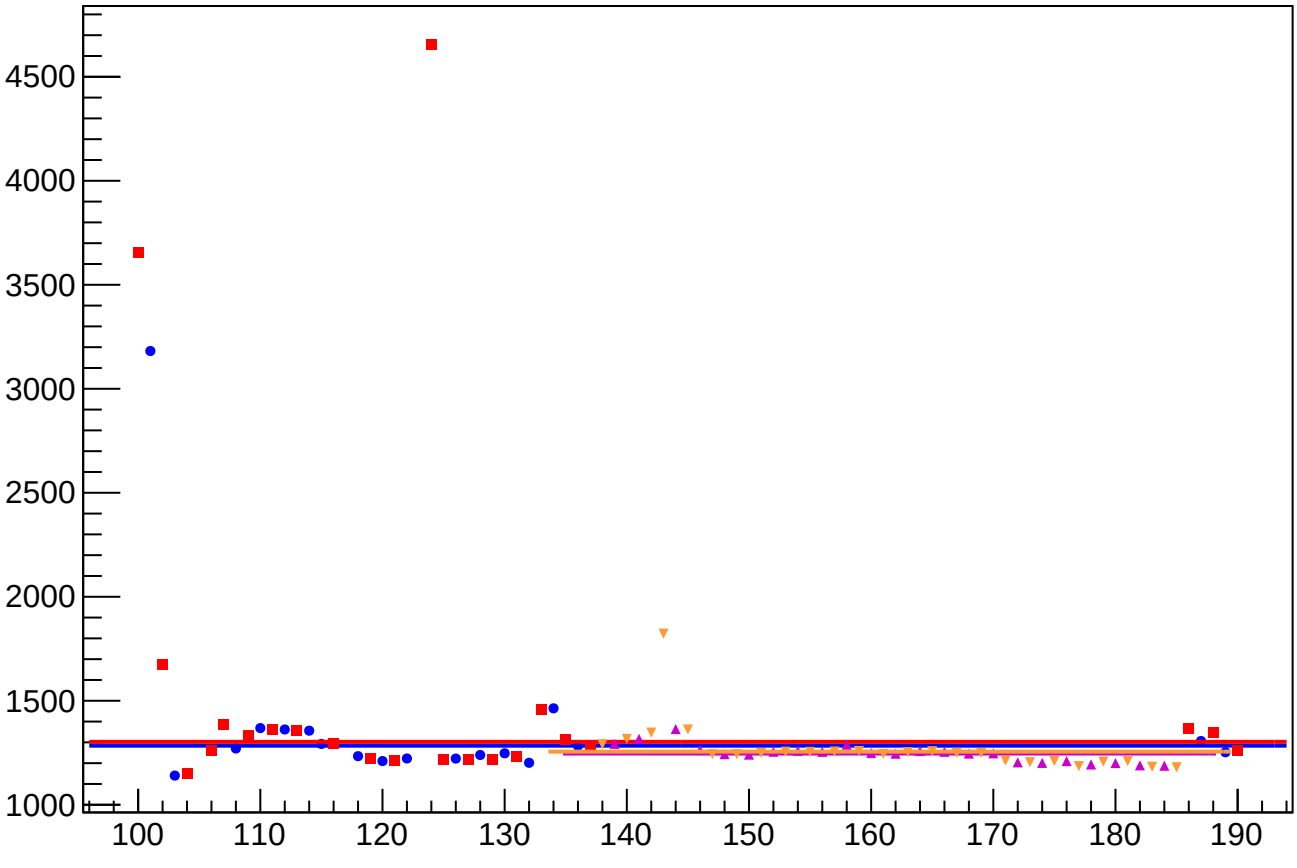
Right: 0.000+/-0.000 χ^2/NDF: 7737240.0/39

In: 0.000+/-0.000 χ^2/NDF:7102675.1/40

Out: 0.000+/-0.000 χ^2/NDF:9662825.1/46

All: 0.000+/-0.000 χ^2/NDF: 17041590.1/87


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -822.961+/-463.363 χ²/NDF: 13.7/17
Left Out: -514.484+/-285.945 χ²/NDF:30.9/24
Right Out: -259.811+/-438.707 χ²/NDF: 16.3/21
Left In: -242.686+/-291.166 χ²/NDF:32.0/22
Left: -381.044+/-204.014 χ²/NDF: 63.4/47
Right: -526.005+/-318.573 χ²/NDF: 30.7/39
In: -406.950+/-246.534 χ²/NDF:46.8/40
Out: -438.551+/-239.552 χ²/NDF:47.4/46
All: -423.204+/-171.804 χ²/NDF: 94.3/87



Right In: 1284.135+/-0.328 χ^2/NDF: 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1302.580+/-0.310 χ^2/NDF: 332936.4/21

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

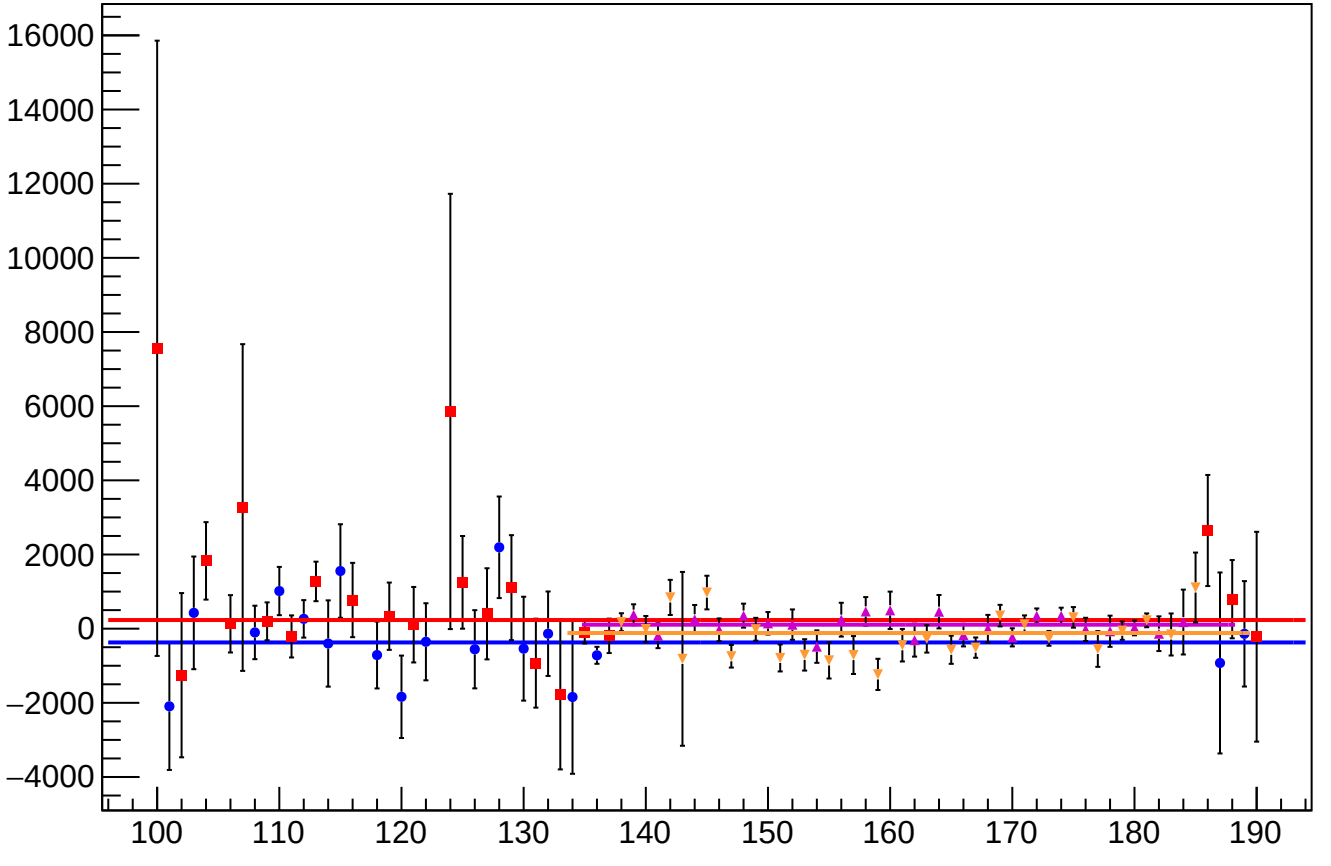
Right: 1293.861+/-0.225 χ^2/NDF: 853556.9/39

In: 1257.050+/-0.174 χ^2/NDF:568339.0/40

Out: 1269.547+/-0.169 χ^2/NDF:552216.3/46

All: 1263.478+/-0.121 χ^2/NDF: 1123198.8/87

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -371.698+/-166.648 χ^2/NDF: 18.2/17

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 232.804+/-166.103 χ^2/NDF: 17.6/21

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

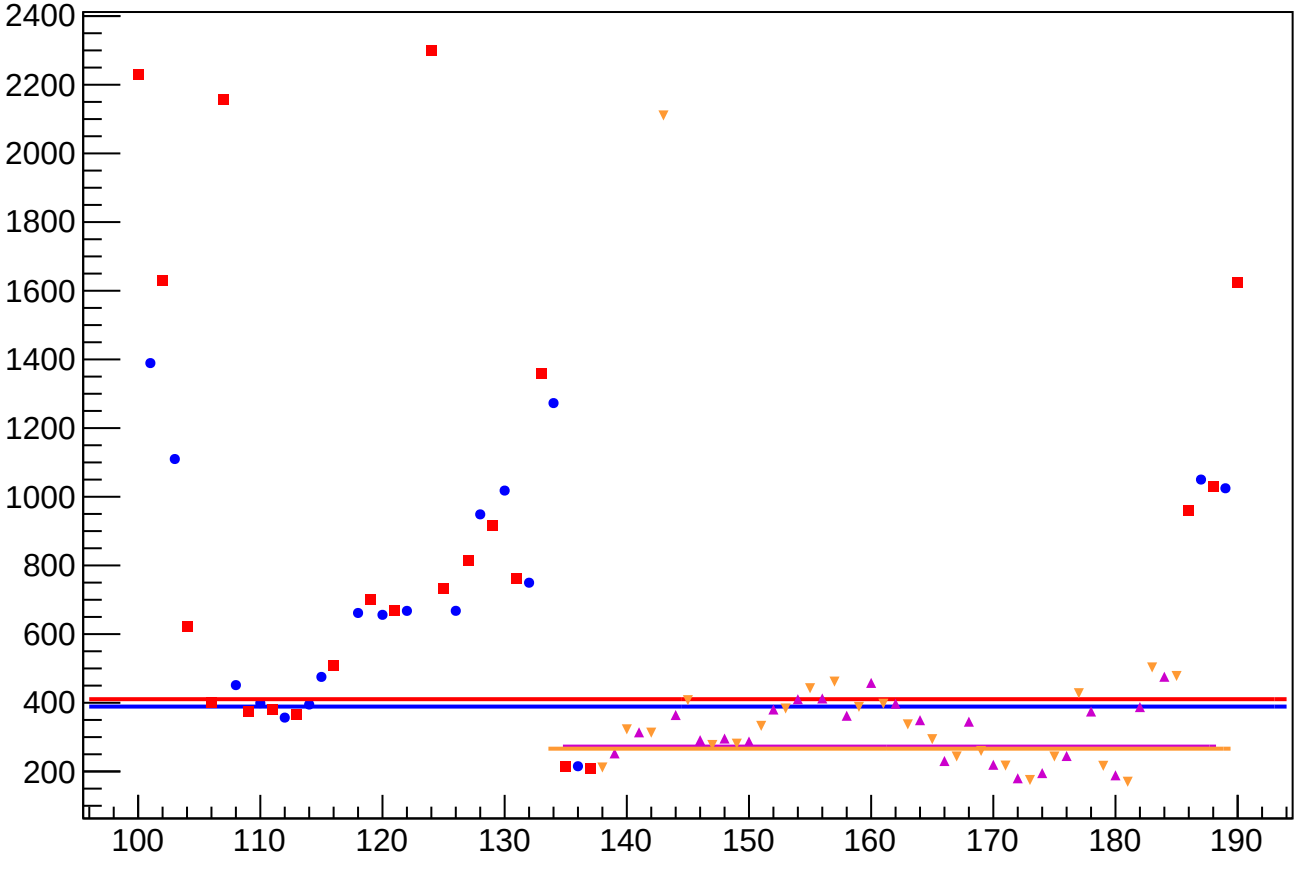
Right: -68.456+/-117.645 χ^2/NDF: 42.5/39

In: 40.683+/-62.165 χ^2/NDF:39.1/40

Out: -70.498+/-60.578 χ^2/NDF:69.9/46

All: -16.345+/-43.385 χ^2/NDF: 110.6/87

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 388.937+/-0.118 χ^2/NDF: 4747435.1/17

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 410.485+/-0.117 χ^2/NDF: 5433187.9/21

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

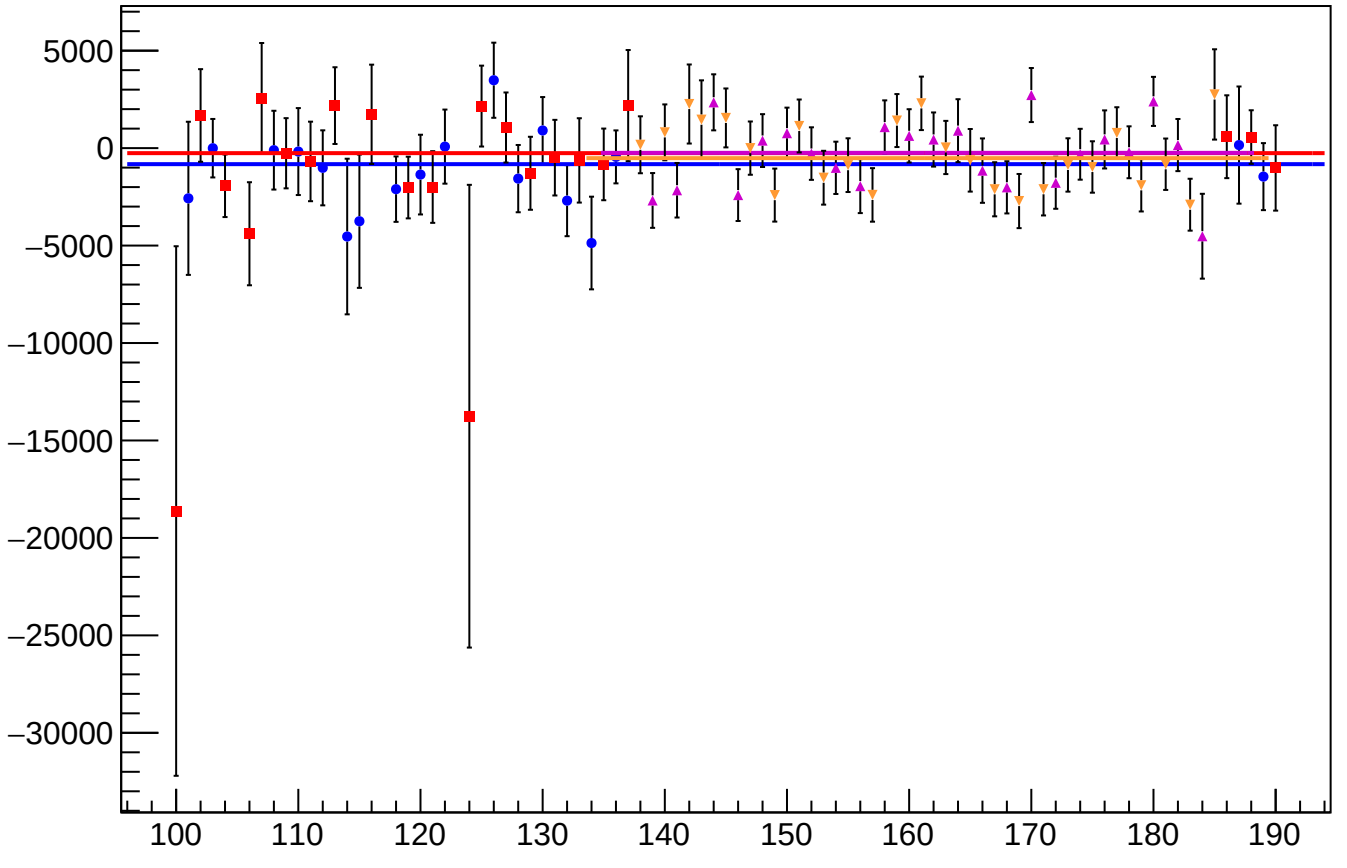
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 399.746+/-0.083 χ^2/NDF: 10197396.2/39

In: 288.589+/-0.044 χ^2/NDF:8477667.8/40

Out: 285.496+/-0.043 χ^2/NDF:11369502.8/46

All: 287.002+/-0.031 χ^2/NDF: 19849710.1/87



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -257.521+/-439.092 χ^2/NDF: 16.4/21

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

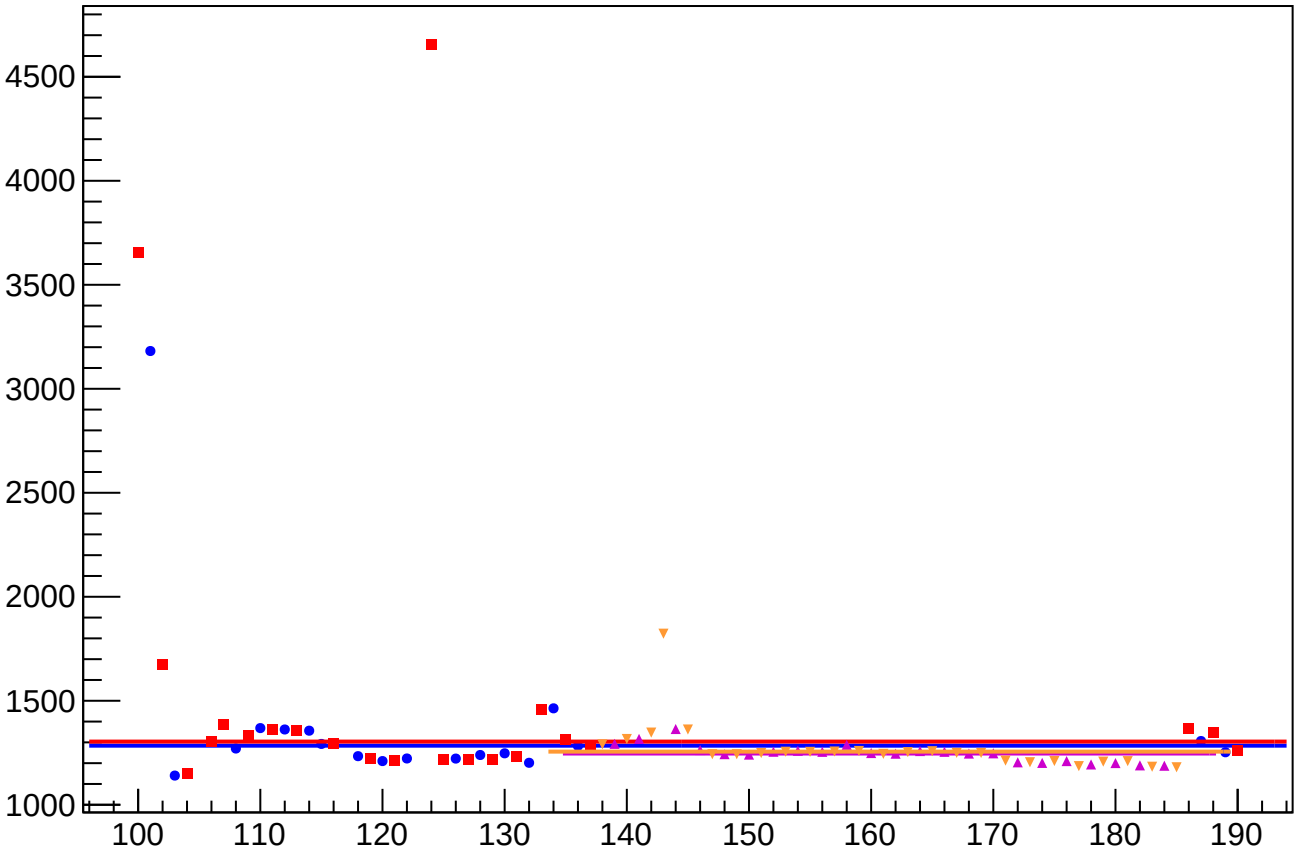
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -524.871+/-318.720 χ^2/NDF: 30.8/39

In: -406.830+/-246.534 χ^2/NDF:46.8/40

Out: -437.924+/-239.615 χ^2/NDF:47.5/46

All: -422.819+/-171.827 χ^2/NDF: 94.3/87



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF: 332447.6/21

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

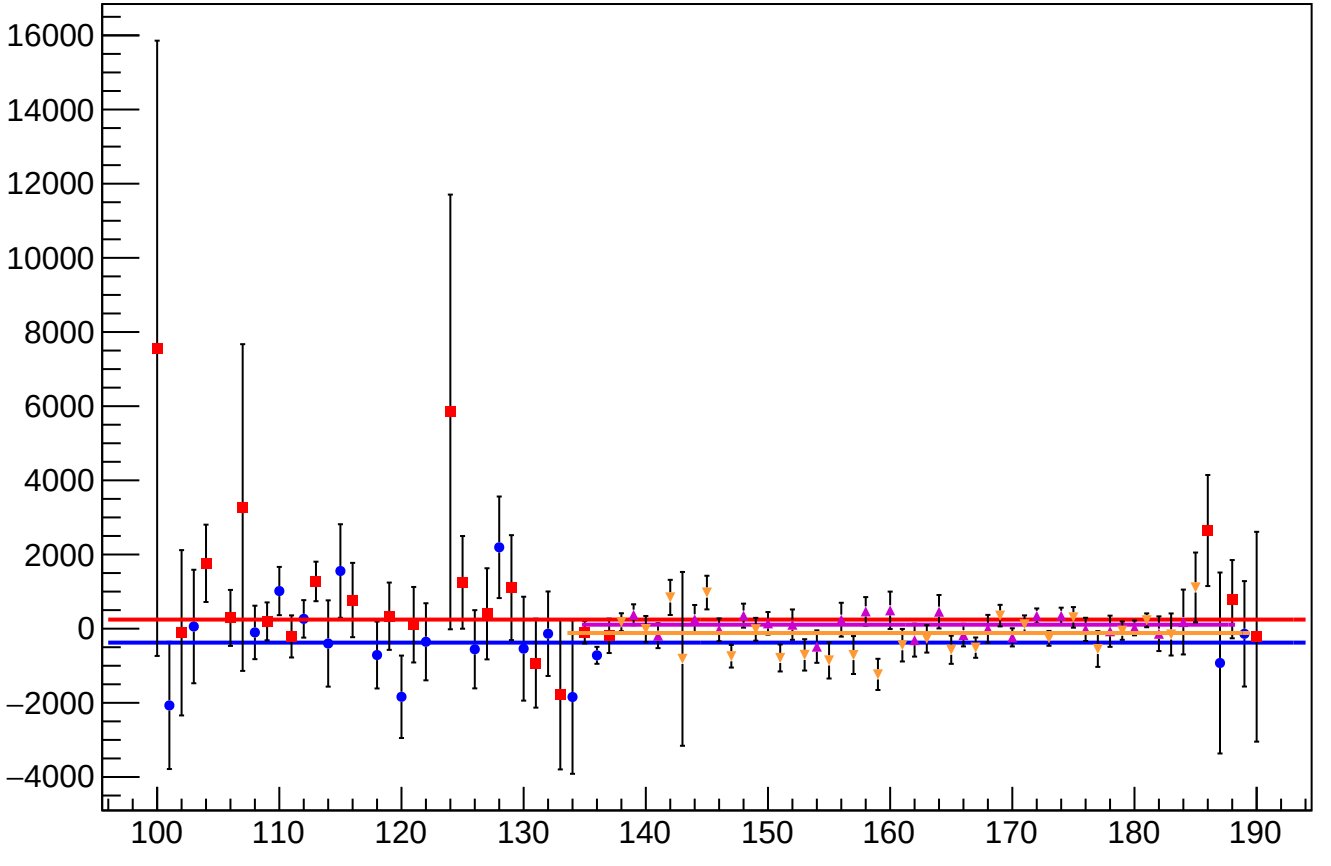
Right: 1294.482+/-0.225 χ^2/NDF: 853291.4/39

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.886+/-0.169 χ^2/NDF:552536.9/46

All: 1263.650+/-0.122 χ^2/NDF: 1123665.2/87

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 245.379+/-165.917 χ^2/NDF: 17.0/21

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

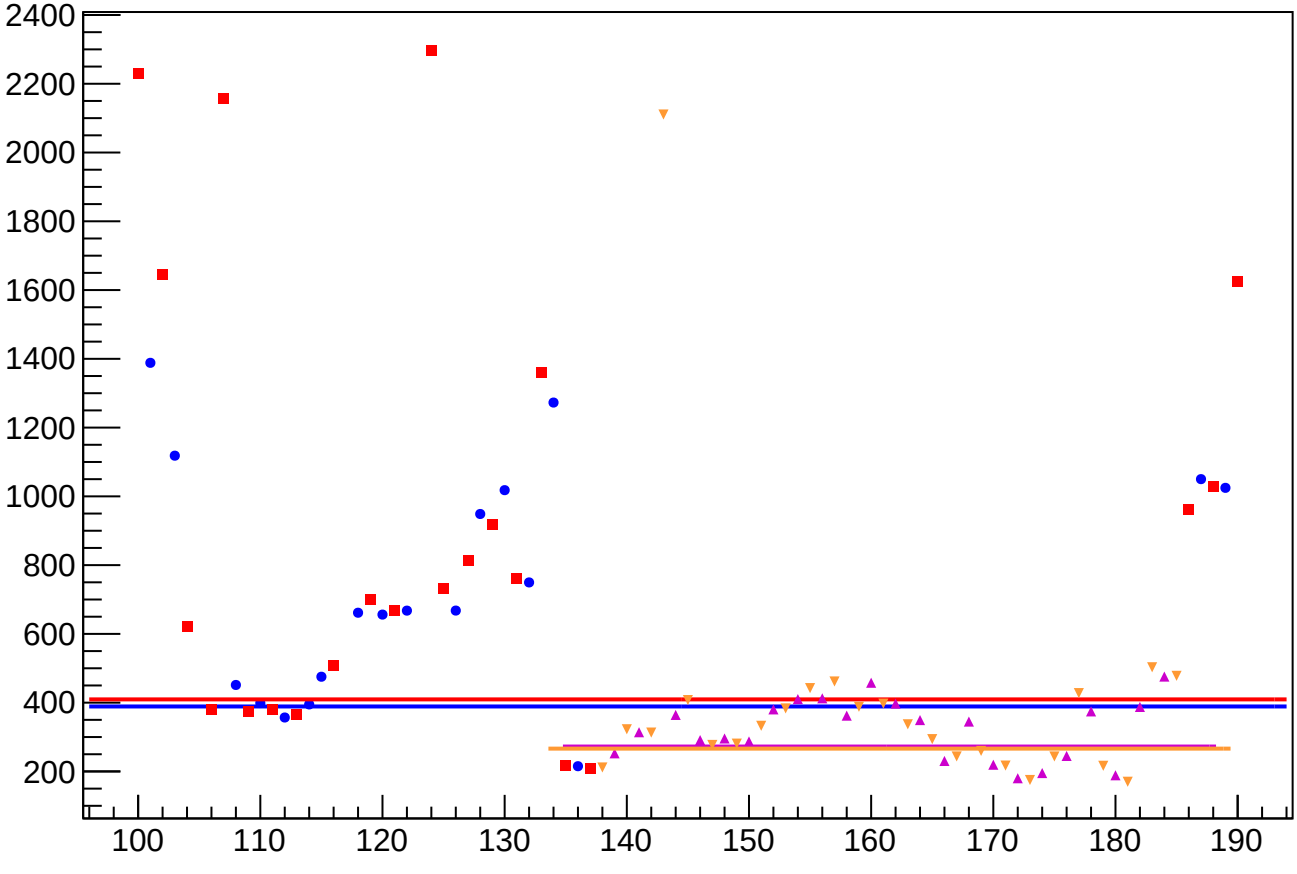
Right: -63.938+/-117.585 χ^2/NDF: 42.0/39

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.707+/-60.570 χ^2/NDF:69.6/46

All: -15.677+/-43.383 χ^2/NDF: 110.1/87

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF: 5442365.2/21

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

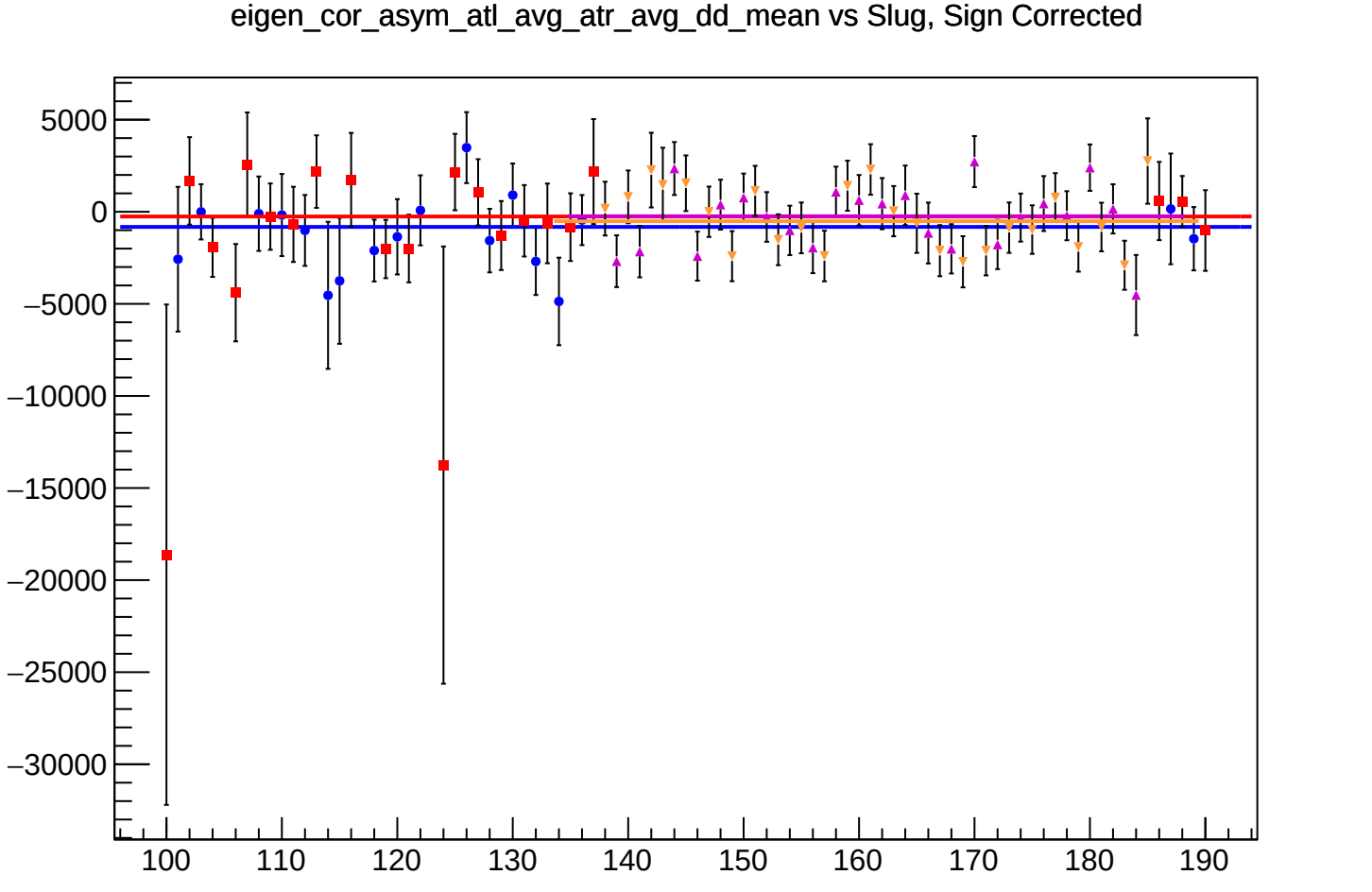
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 399.274+/-0.083 χ^2/NDF: 10208286.4/39

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 285.410+/-0.043 χ^2/NDF:11363755.1/46

All: 286.961+/-0.031 χ^2/NDF: 19846641.8/87



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -257.521+/-439.092 χ^2/NDF: 16.4/21

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

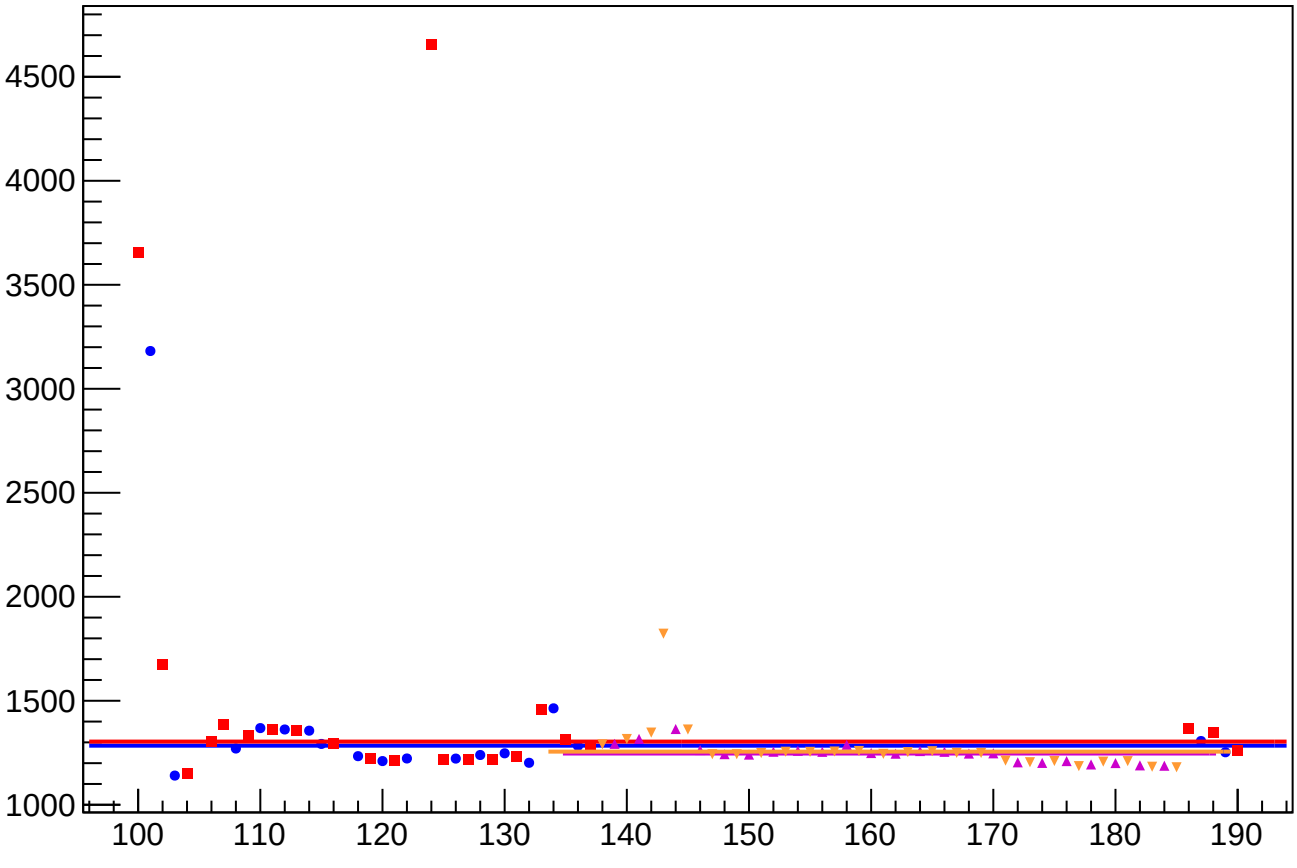
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -524.871+/-318.720 χ^2/NDF: 30.8/39

In: -406.830+/-246.534 χ^2/NDF:46.8/40

Out: -437.924+/-239.615 χ^2/NDF:47.5/46

All: -422.819+/-171.827 χ^2/NDF: 94.3/87



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF: 332447.6/21

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

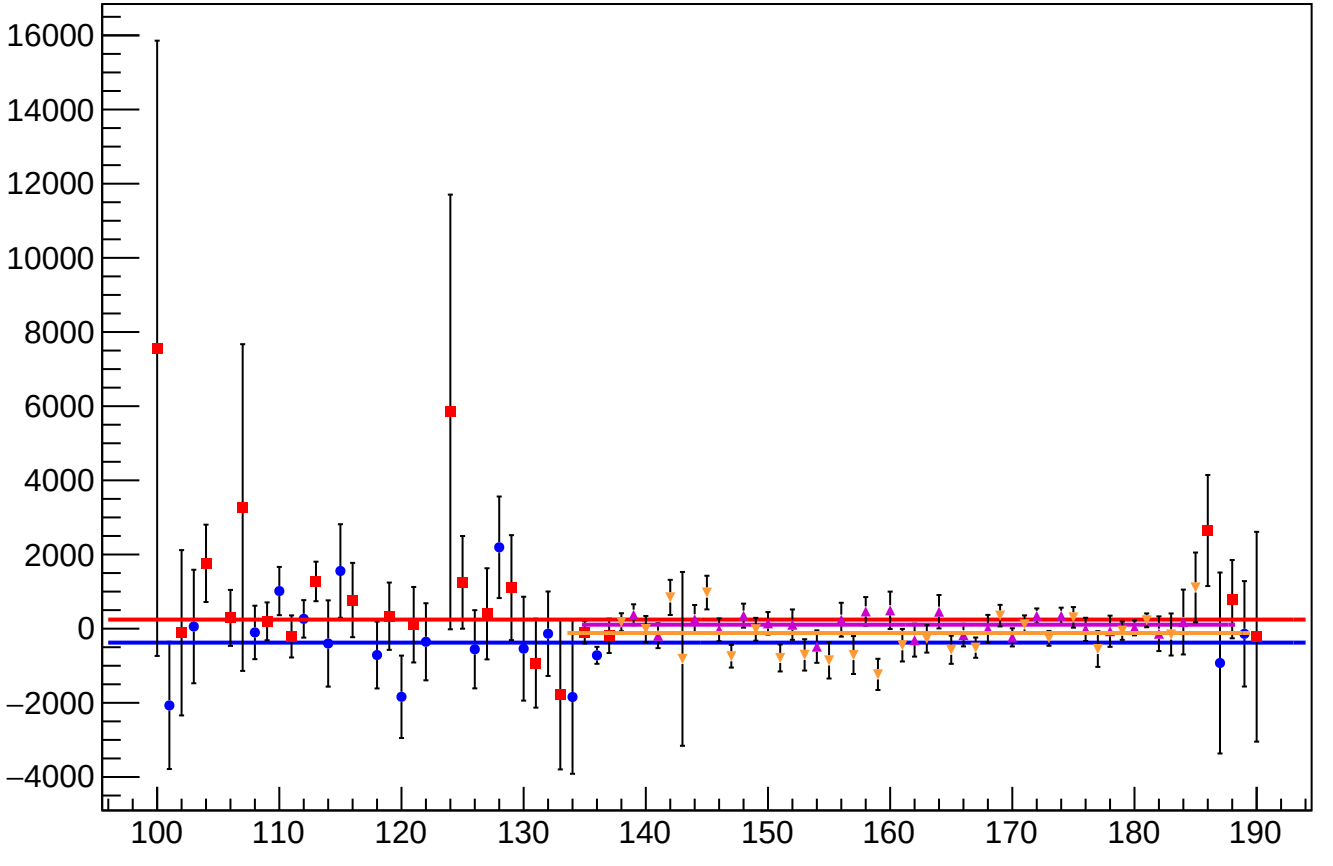
Right: 1294.482+/-0.225 χ^2/NDF: 853291.4/39

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.886+/-0.169 χ^2/NDF:552536.9/46

All: 1263.650+/-0.122 χ^2/NDF: 1123665.2/87

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 245.379+/-165.917 χ^2/NDF: 17.0/21

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

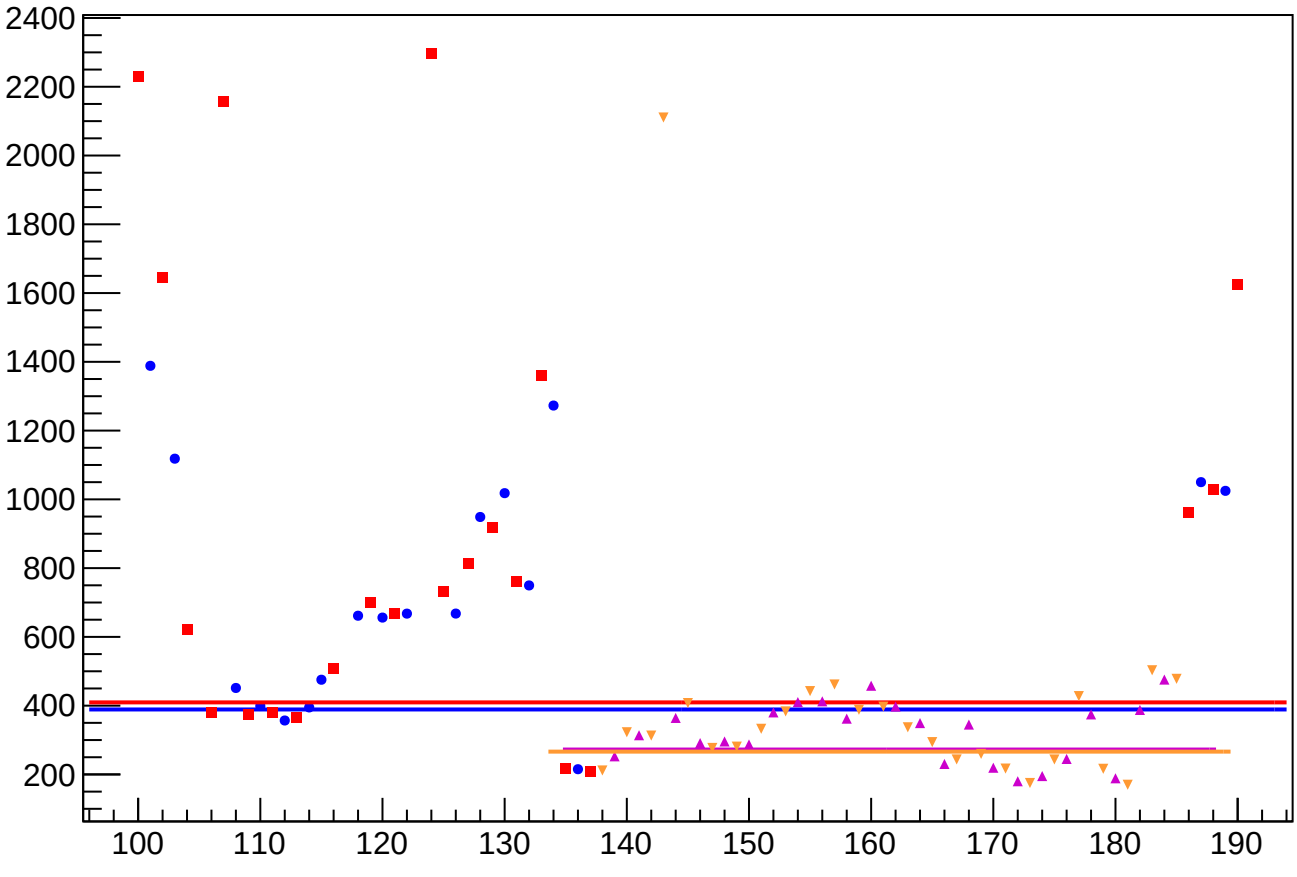
Right: -63.938+/-117.585 χ^2/NDF: 42.0/39

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.707+/-60.570 χ^2/NDF:69.6/46

All: -15.677+/-43.383 χ^2/NDF: 110.1/87

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF: 5442365.2/21

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

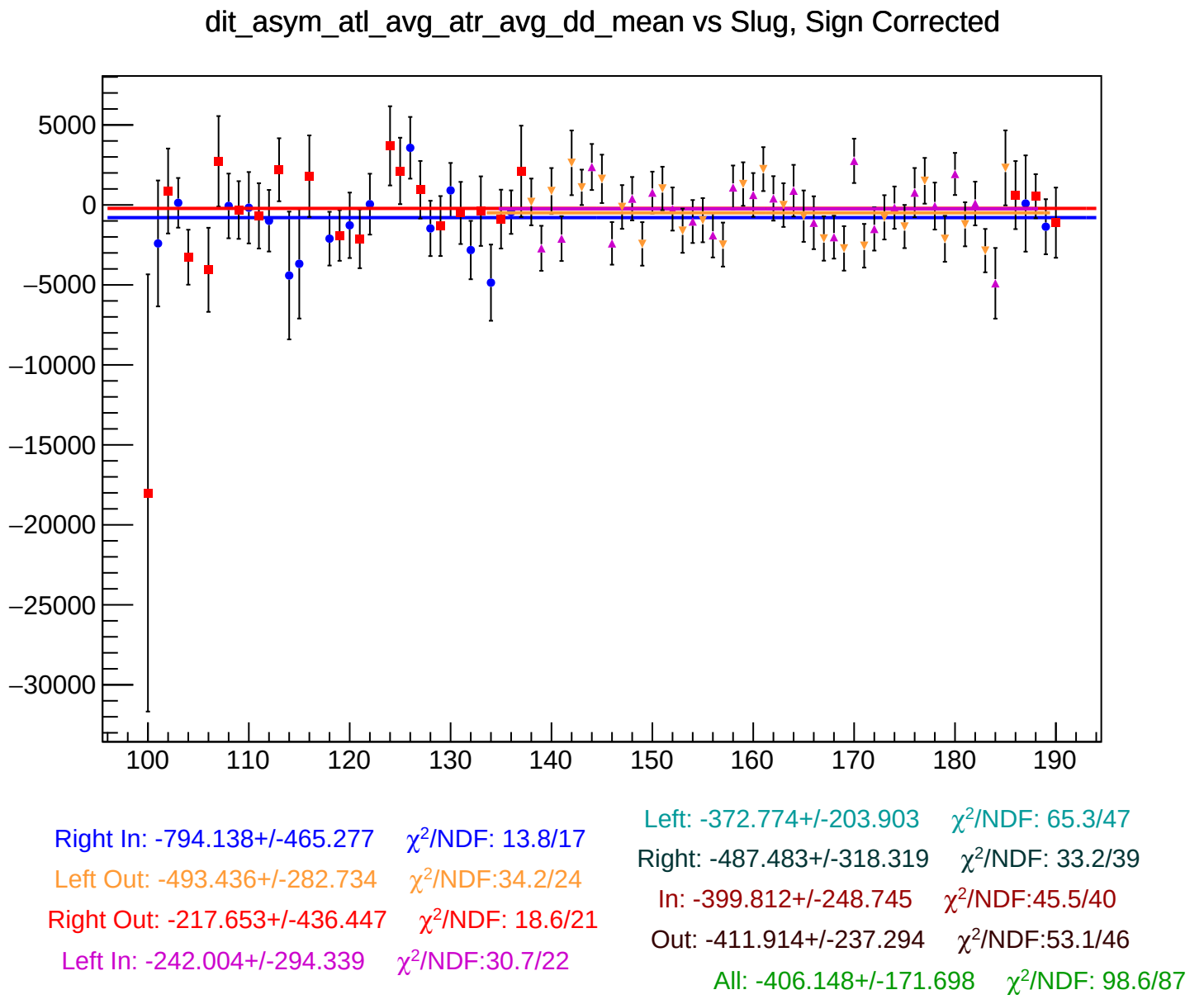
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

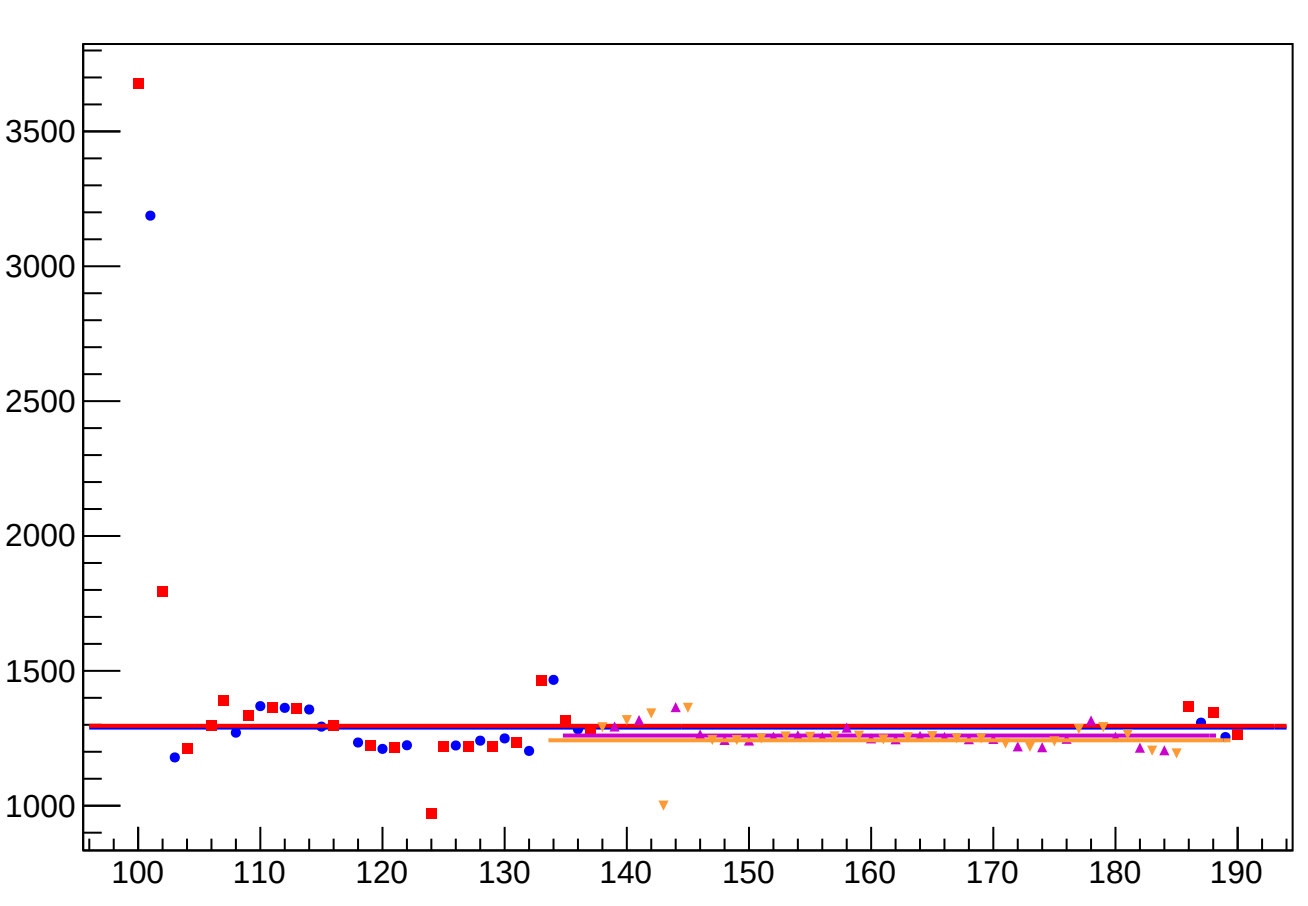
Right: 399.274+/-0.083 χ^2/NDF: 10208286.4/39

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 285.410+/-0.043 χ^2/NDF:11363755.1/46

All: 286.961+/-0.031 χ^2/NDF: 19846641.8/87


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -794.138+/-465.277 χ²/NDF: 13.8/17
Left Out: -493.436+/-282.734 χ²/NDF:34.2/24
Right Out: -217.653+/-436.447 χ²/NDF: 18.6/21
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -487.483+/-318.319 χ²/NDF: 33.2/39
In: -399.812+/-248.745 χ²/NDF:45.5/40
Out: -411.914+/-237.294 χ²/NDF:53.1/46
All: -406.148+/-171.698 χ²/NDF: 98.6/87



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1296.265+/-0.309 χ^2/NDF: 215191.1/21

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

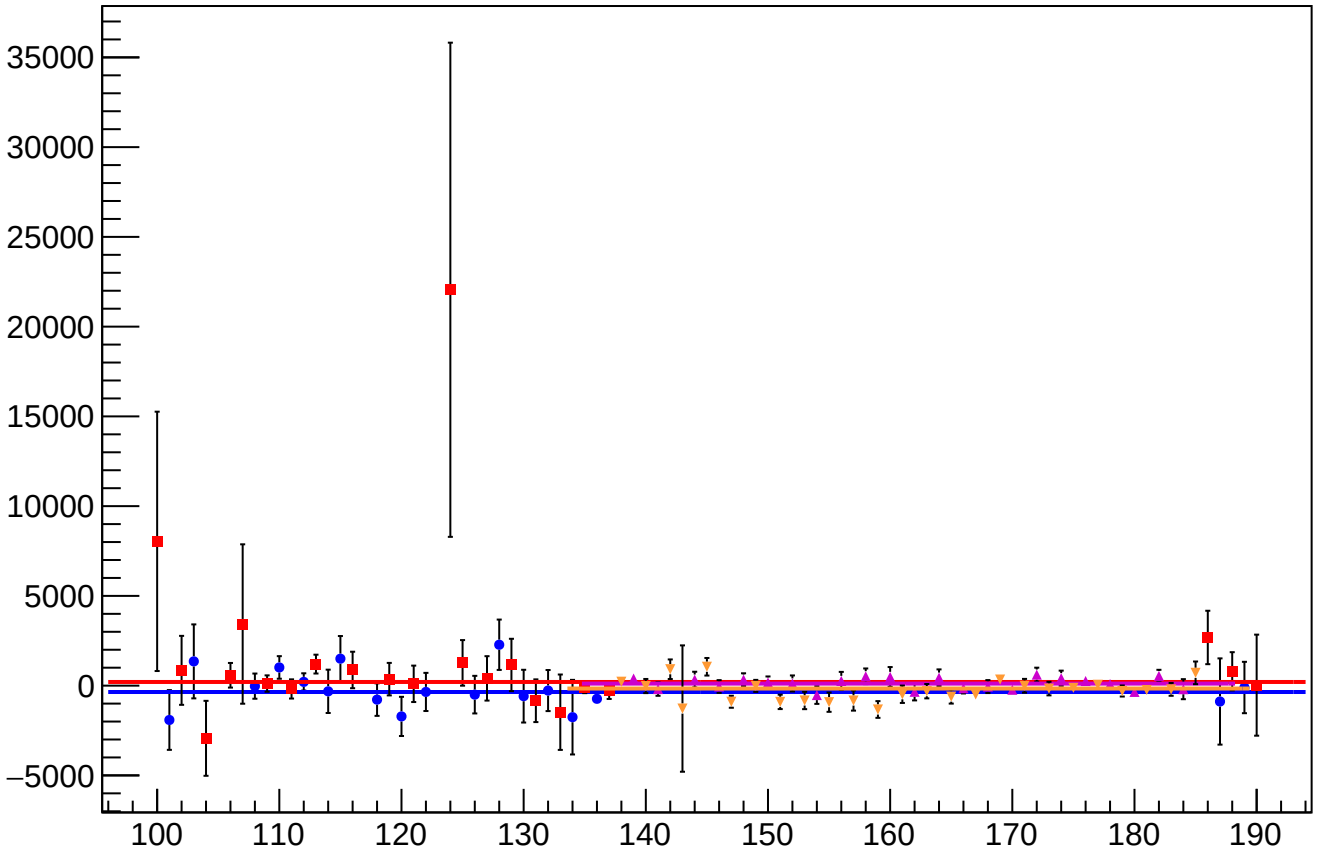
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1293.183+/-0.225 χ^2/NDF: 725765.2/39

In: 1268.550+/-0.176 χ^2/NDF:544068.6/40

Out: 1258.421+/-0.168 χ^2/NDF:366561.9/46

All: 1263.247+/-0.121 χ^2/NDF: 912366.7/87



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 204.584+/-166.210 χ^2/NDF: 19.0/21

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

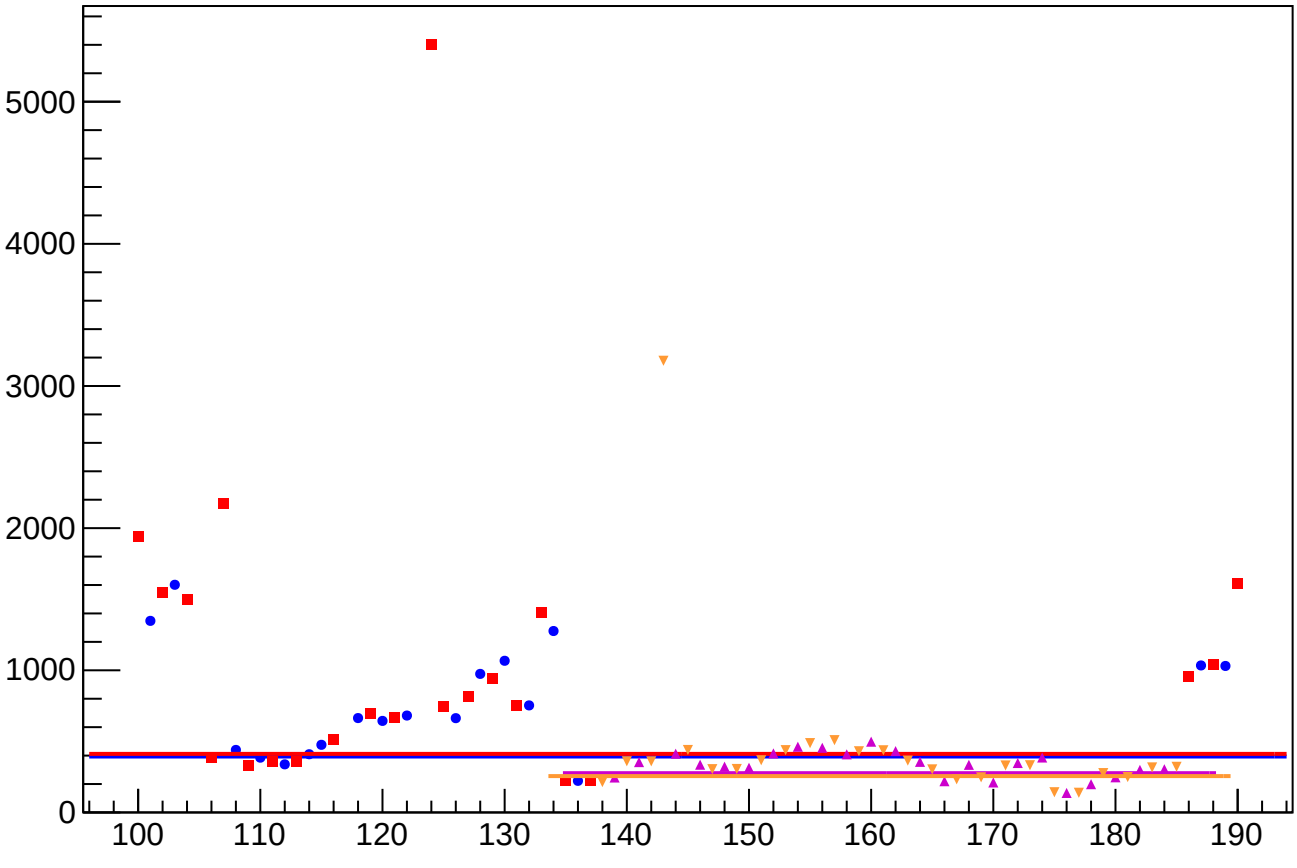
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -71.272+/-118.284 χ^2/NDF: 43.1/39

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.563+/-59.833 χ^2/NDF:67.0/46

All: -38.477+/-43.618 χ^2/NDF: 113.7/87



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 412.008+/-0.118 χ^2/NDF: 5937168.3/21

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

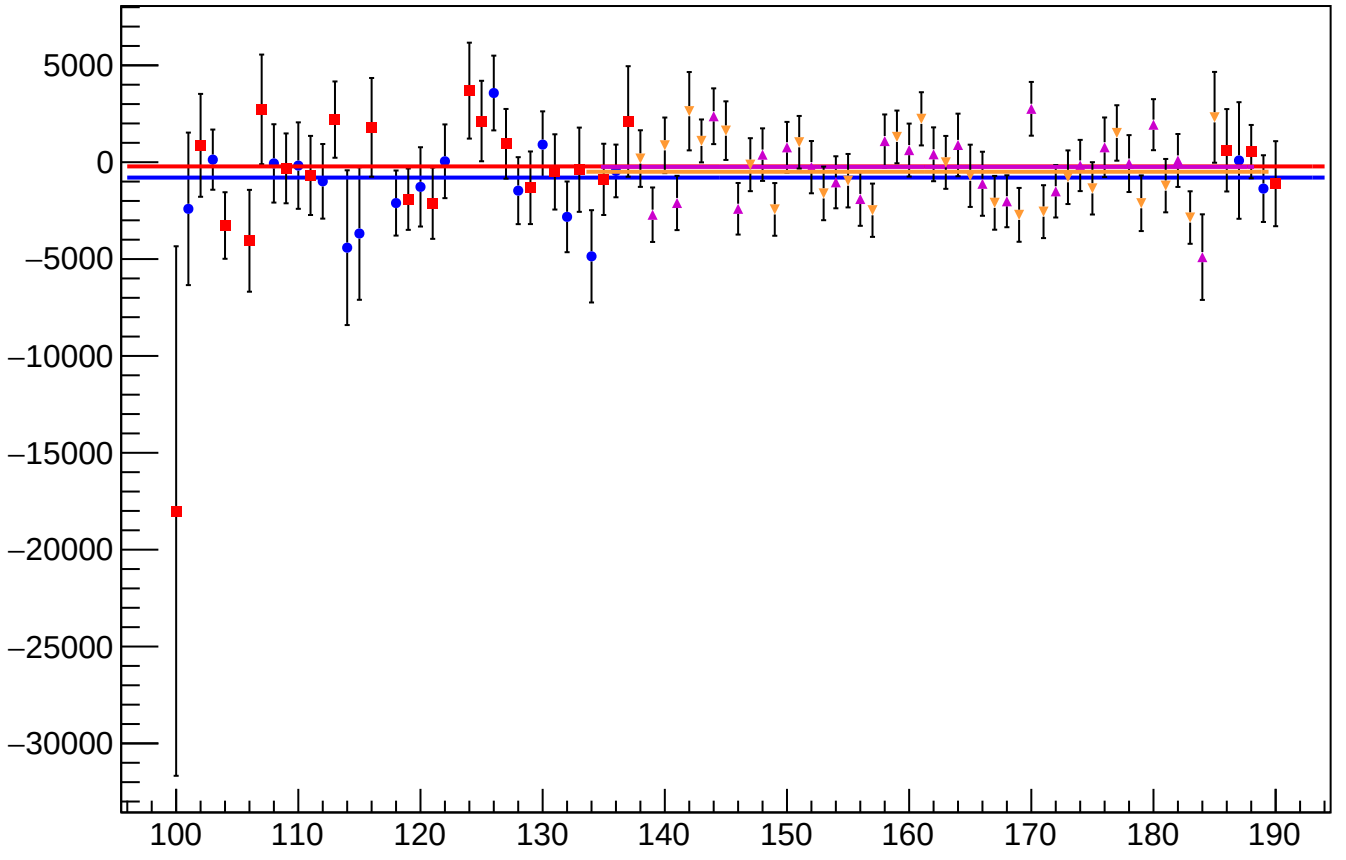
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 402.894+/-0.084 χ^2/NDF: 10816076.8/39

In: 293.091+/-0.045 χ^2/NDF:9725014.9/40

Out: 276.015+/-0.042 χ^2/NDF:13849337.6/46

All: 284.016+/-0.031 χ^2/NDF: 23650678.9/87



Right In: -794.140+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -217.654+/-436.447 χ^2/NDF: 18.6/21

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

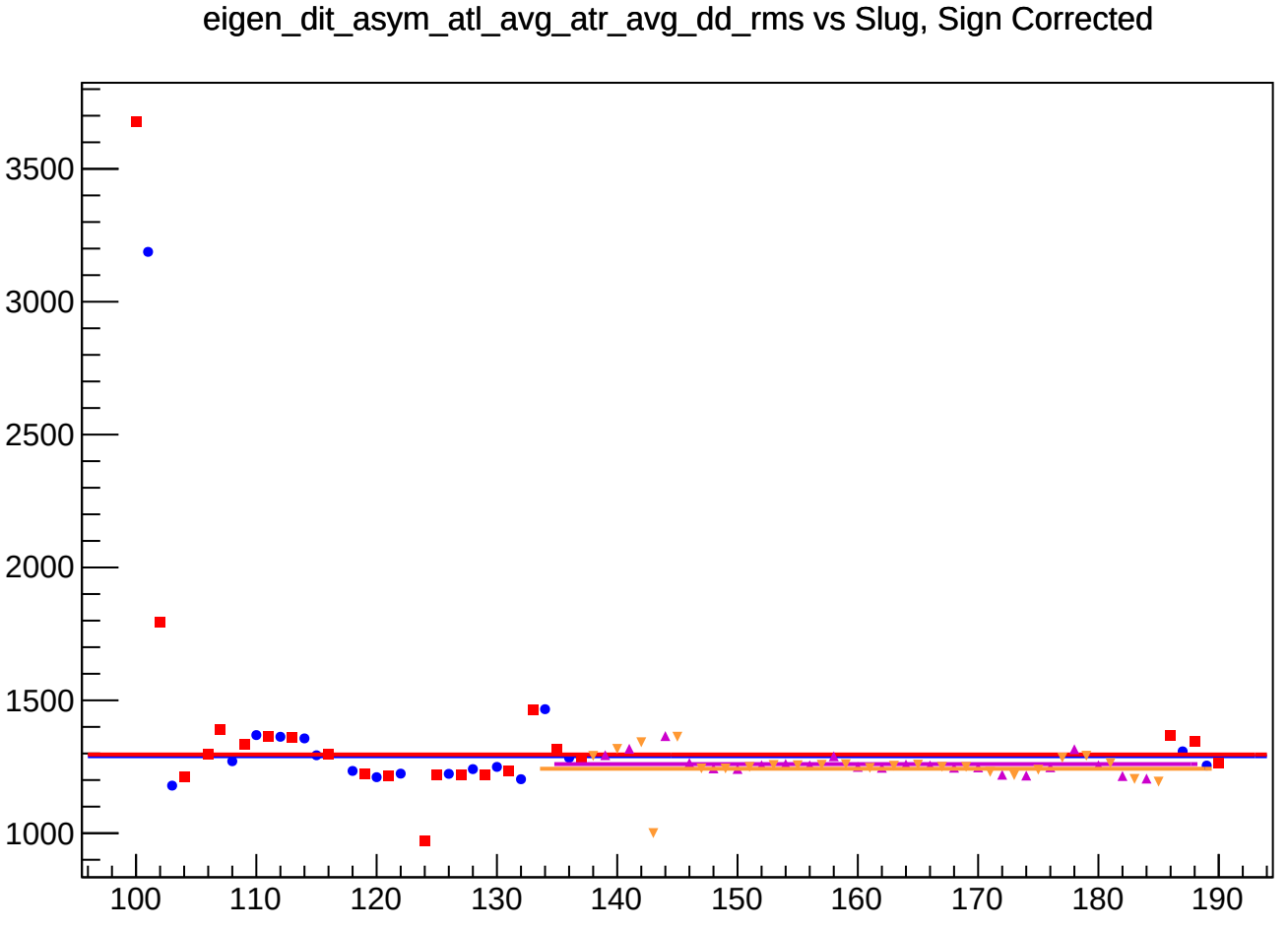
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -487.485+/-318.319 χ^2/NDF: 33.2/39

In: -399.813+/-248.745 χ^2/NDF:45.5/40

Out: -411.913+/-237.294 χ^2/NDF:53.1/46

All: -406.148+/-171.698 χ^2/NDF: 98.6/87



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1296.265+/-0.309 χ^2/NDF: 215191.3/21

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

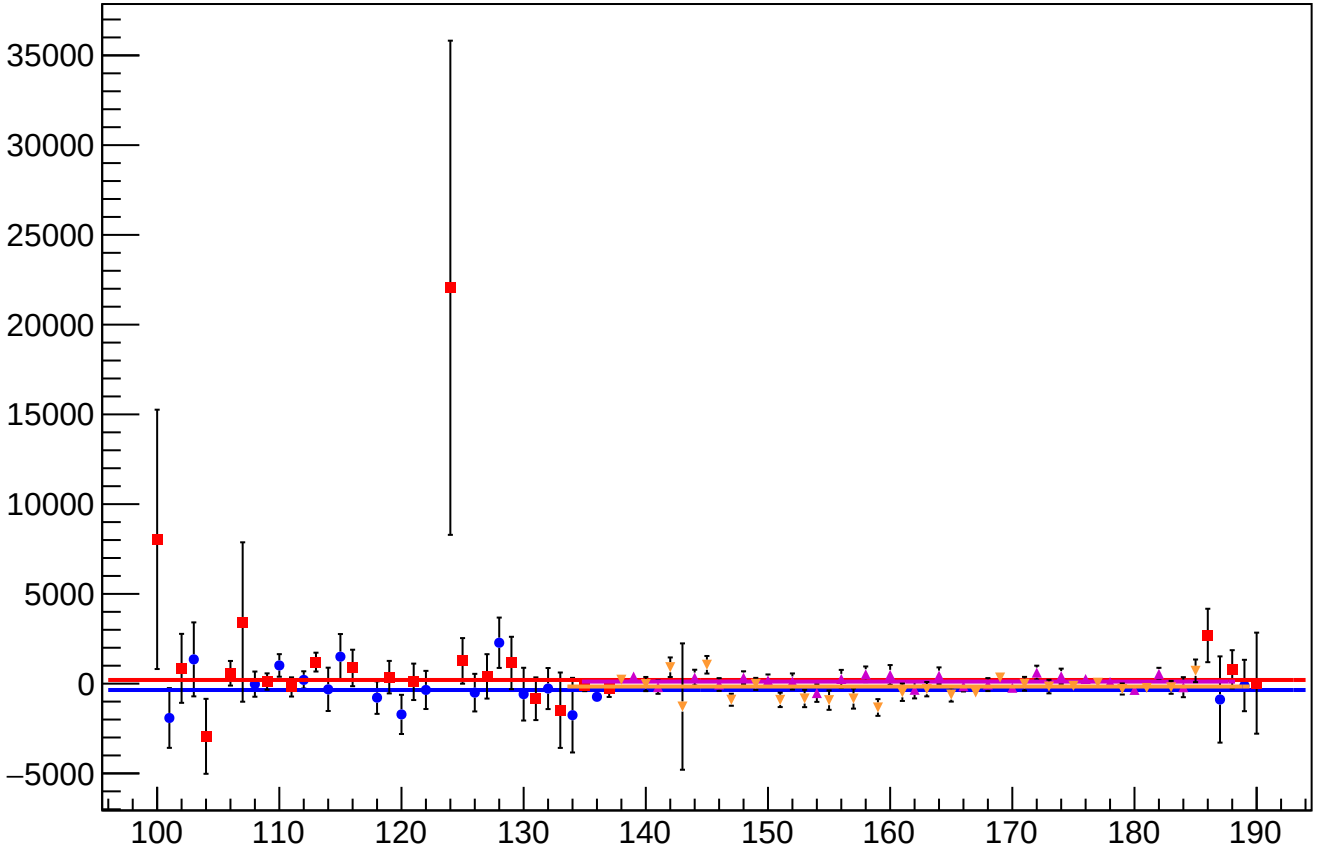
Right: 1293.183+/-0.225 χ^2/NDF: 725765.5/39

In: 1268.550+/-0.176 χ^2/NDF:544068.7/40

Out: 1258.421+/-0.168 χ^2/NDF:366561.3/46

All: 1263.247+/-0.121 χ^2/NDF: 912366.1/87

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 204.591+/-166.213 χ^2/NDF: 19.0/21

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

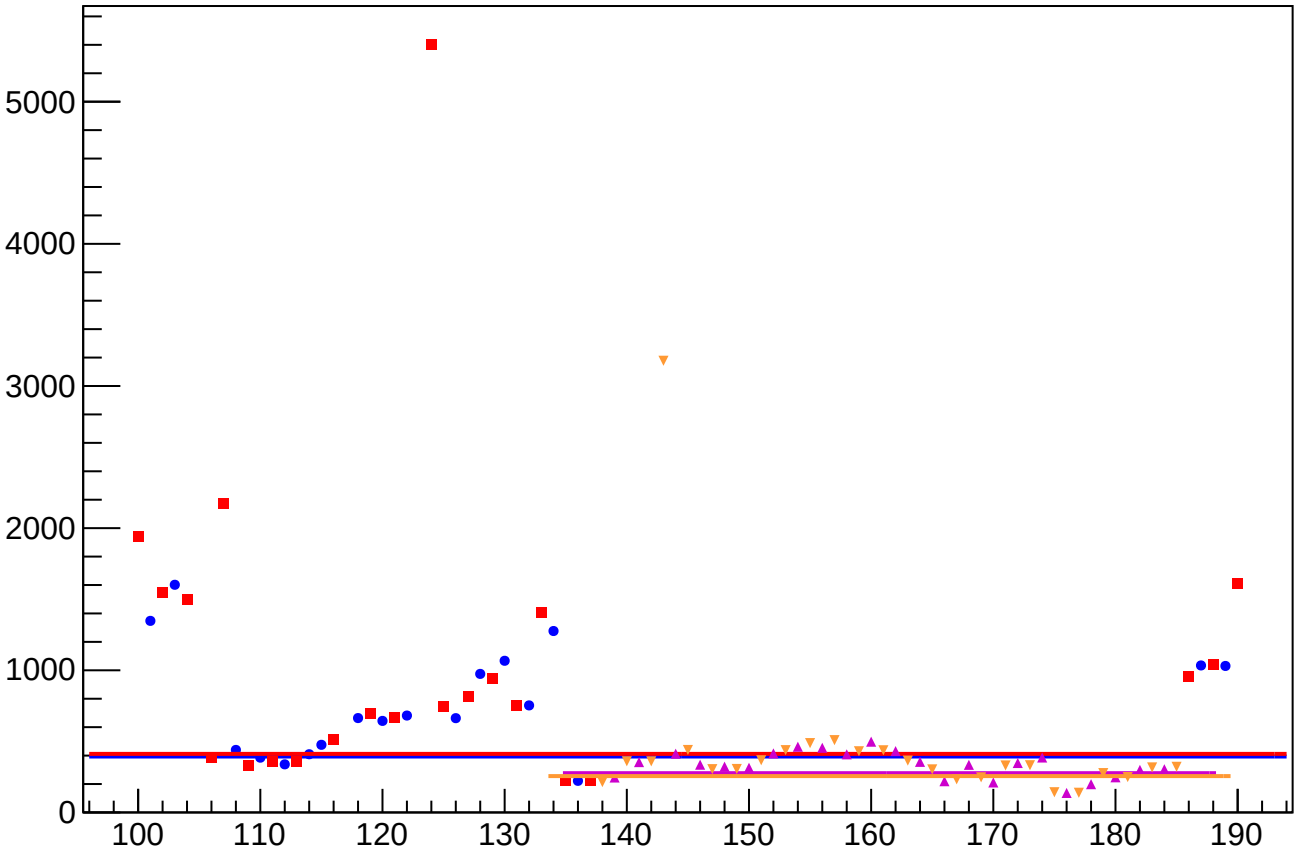
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -71.268+/-118.286 χ^2/NDF: 43.1/39

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.566+/-59.833 χ^2/NDF:67.0/46

All: -38.478+/-43.618 χ^2/NDF: 113.7/87



Right In: 393.551+/-0.119 χ^2/NDF: 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 412.017+/-0.118 χ^2/NDF: 5937000.0/21

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

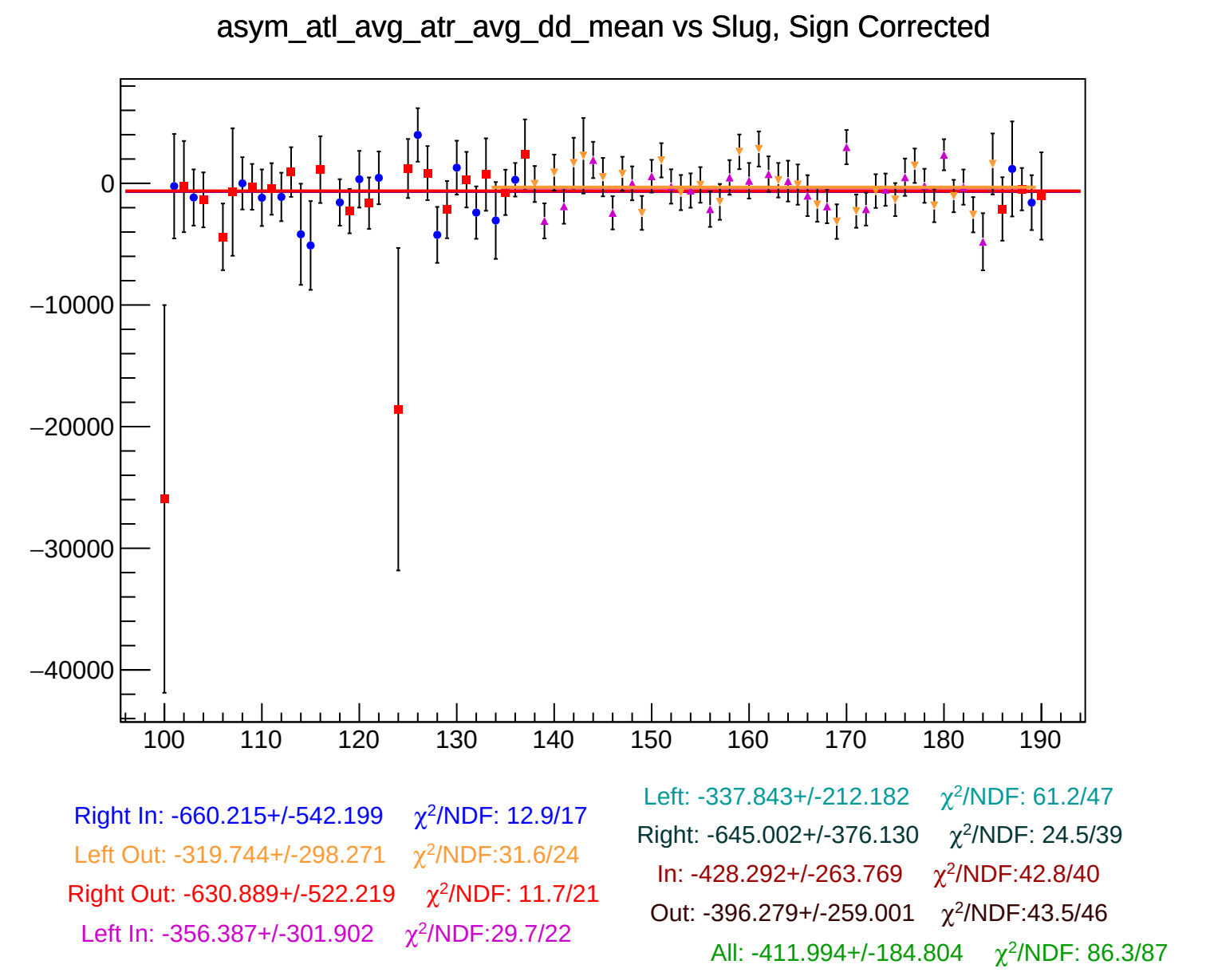
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 402.903+/-0.084 χ^2/NDF: 10815706.2/39

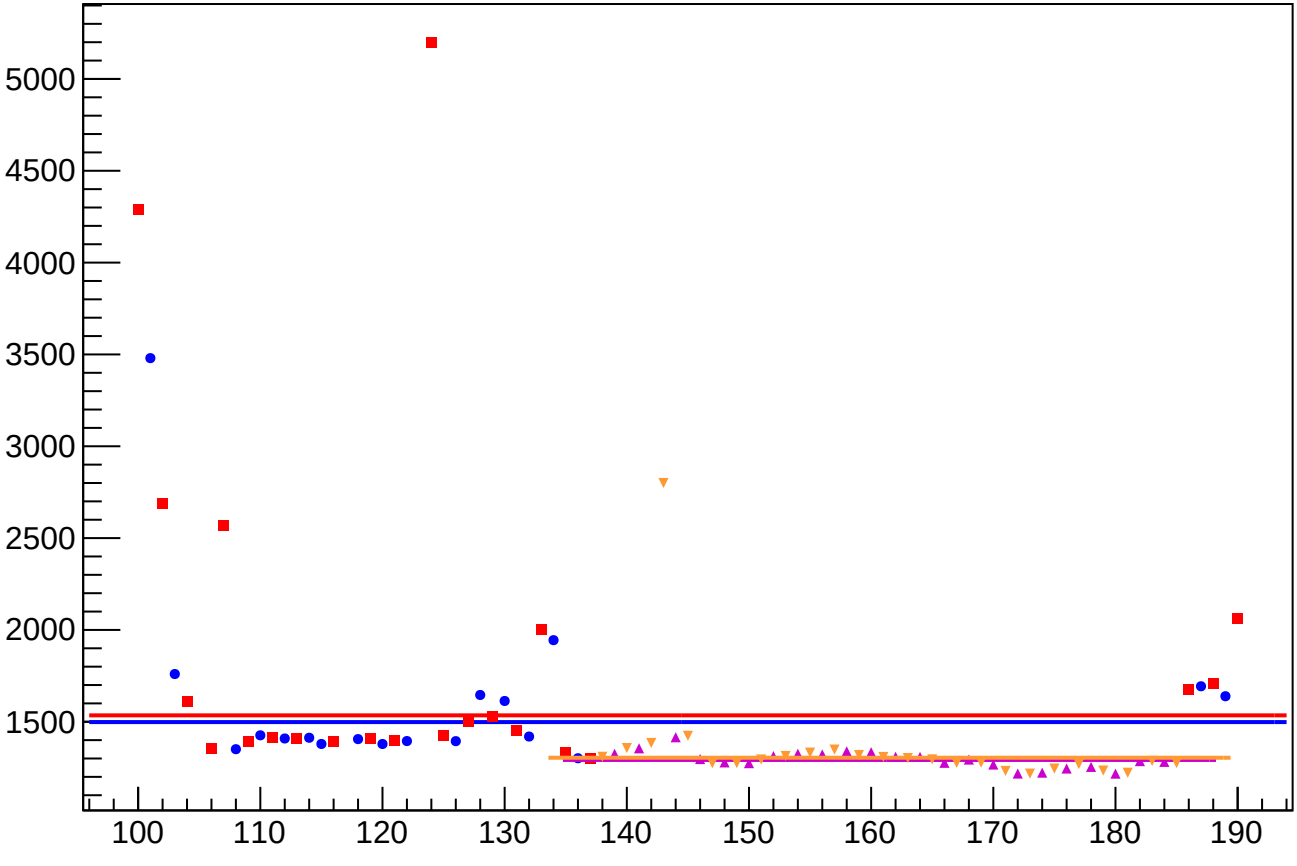
In: 293.092+/-0.045 χ^2/NDF:9724890.1/40

Out: 276.017+/-0.042 χ^2/NDF:13849169.6/46

All: 284.018+/-0.031 χ^2/NDF: 23650381.8/87


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -660.215+/-542.199 χ²/NDF: 12.9/17
Left Out: -319.744+/-298.271 χ²/NDF:31.6/24
Right Out: -630.889+/-522.219 χ²/NDF: 11.7/21
Left In: -356.387+/-301.902 χ²/NDF:29.7/22
Left: -337.843+/-212.182 χ²/NDF: 61.2/47
Right: -645.002+/-376.130 χ²/NDF: 24.5/39
In: -428.292+/-263.769 χ²/NDF:42.8/40
Out: -396.279+/-259.001 χ²/NDF:43.5/46
All: -411.994+/-184.804 χ²/NDF: 86.3/87

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1498.249+/-0.383 χ^2/NDF: 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1534.920+/-0.369 χ^2/NDF: 701060.0/21

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

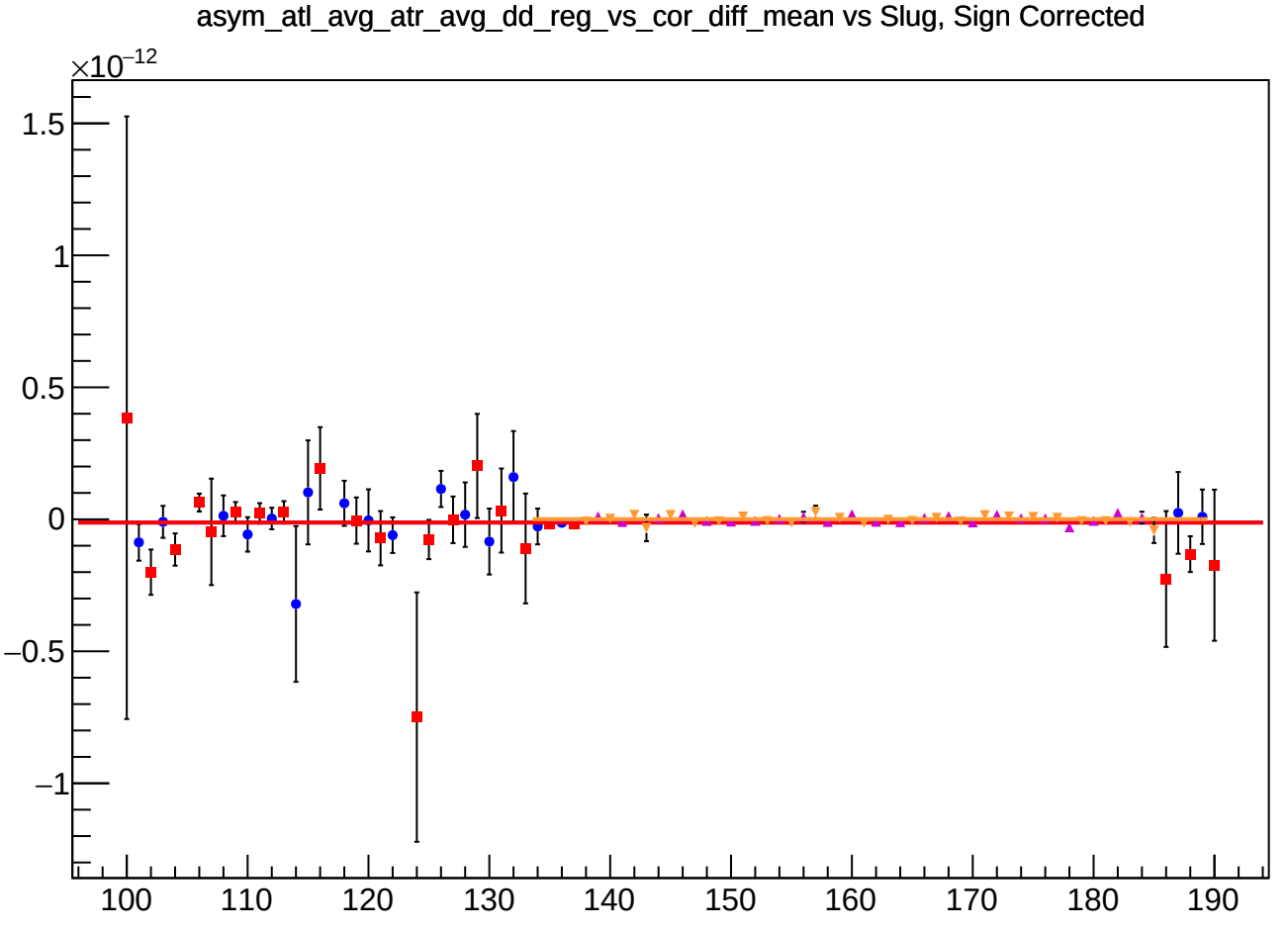
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1517.273+/-0.266 χ^2/NDF: 1304089.9/39

In: 1340.906+/-0.187 χ^2/NDF:867272.8/40

Out: 1360.920+/-0.183 χ^2/NDF:1515142.4/46

All: 1351.095+/-0.131 χ^2/NDF: 2388277.5/87



Right In: -0.000+/-0.000 χ^2/NDF: 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/21

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

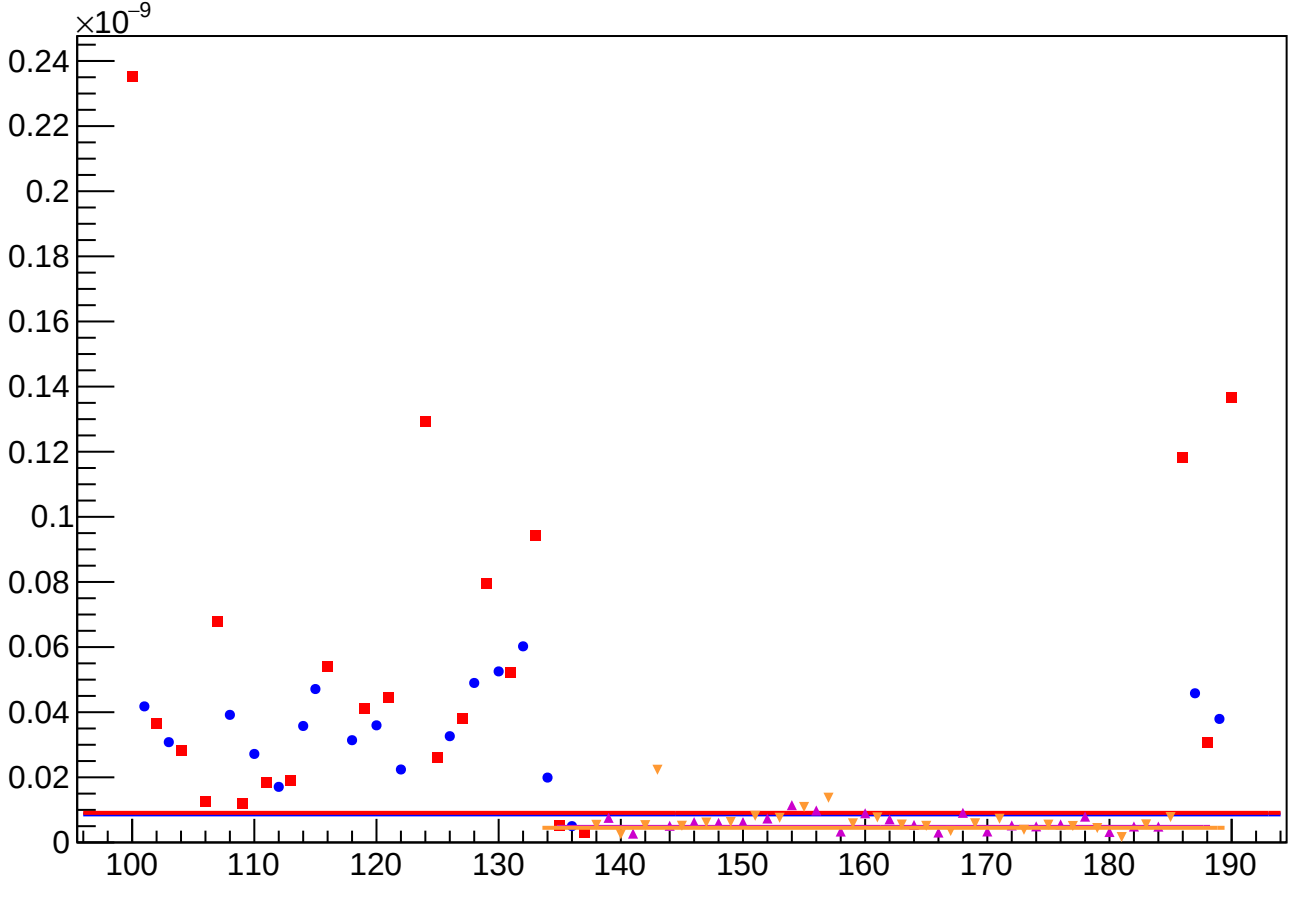
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 36.1/39

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:53.3/46

All: -0.000+/-0.000 χ^2/NDF: 95.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4319981.9/21

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

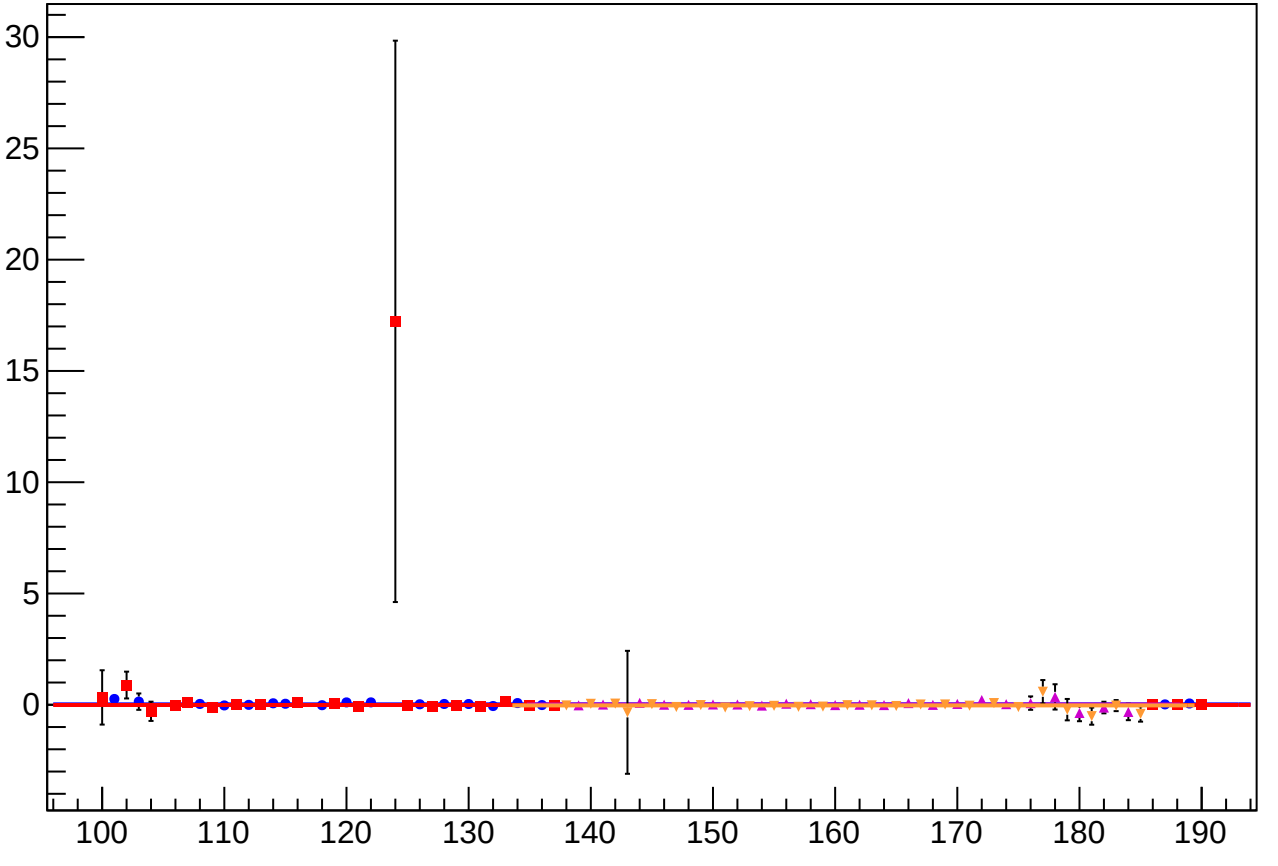
Right: 0.000+/-0.000 χ^2/NDF: 7662328.3/39

In: 0.000+/-0.000 χ^2/NDF:5723972.0/40

Out: 0.000+/-0.000 χ^2/NDF:7665667.9/46

All: 0.000+/-0.000 χ^2/NDF: 13415251.3/87

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

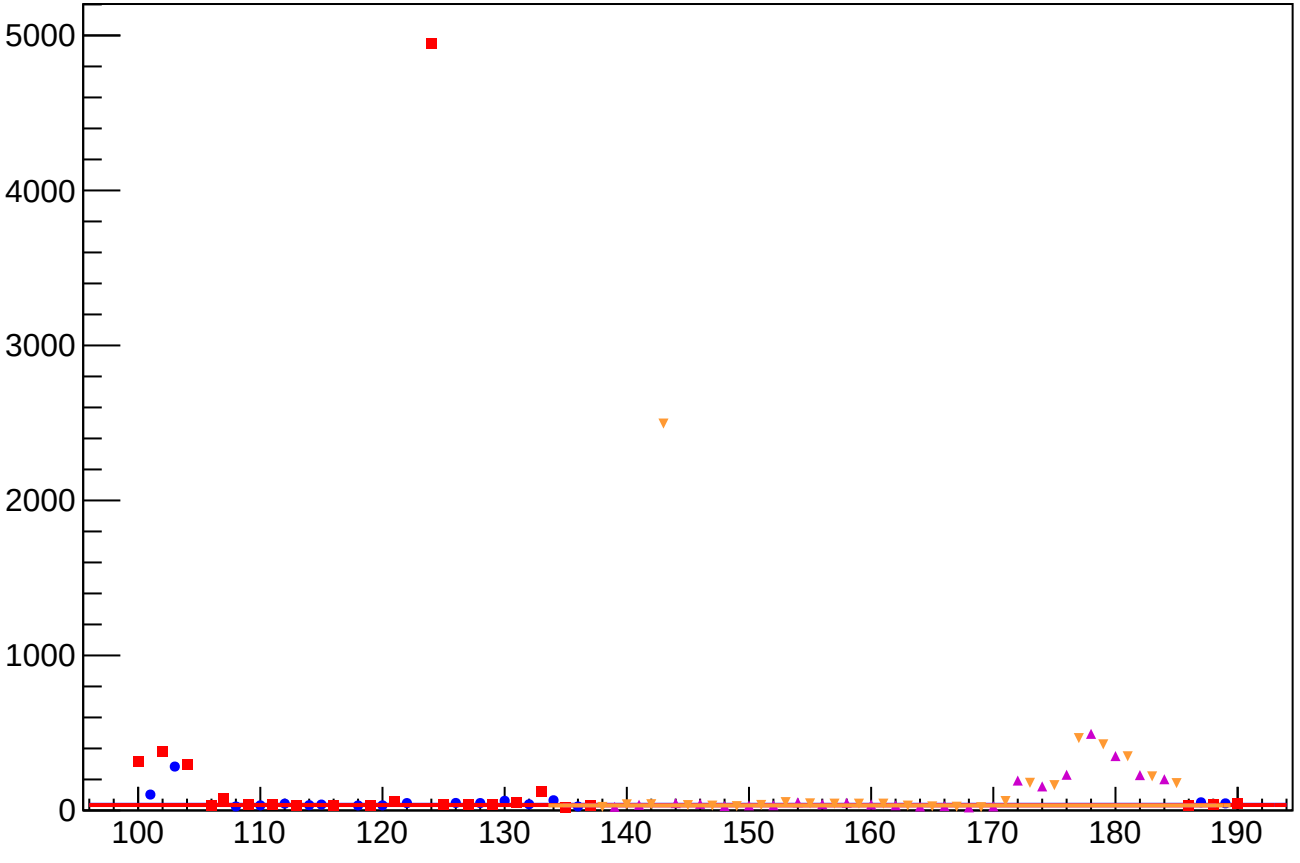
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2980134.6/21

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

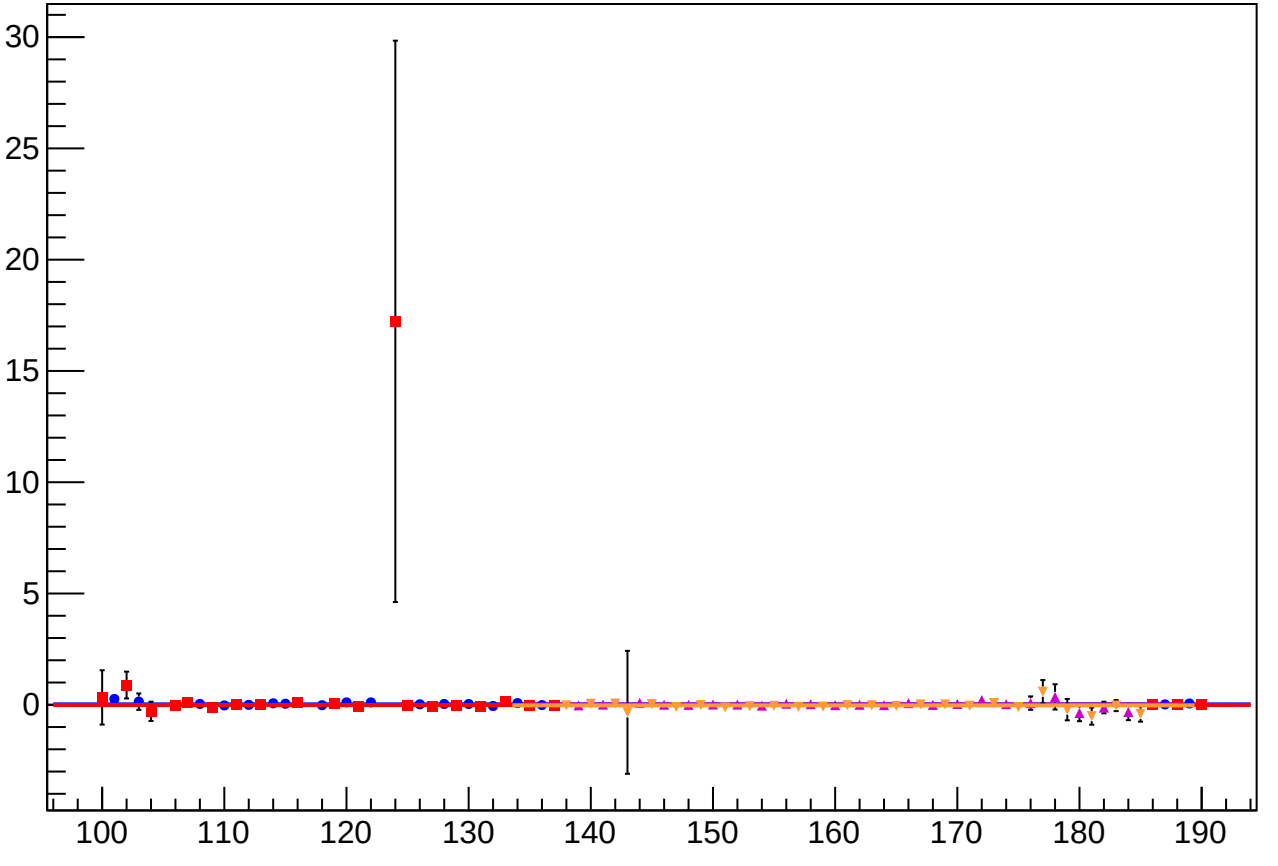
Right: 35.621+/-0.007 χ^2/NDF: 5328508.1/39

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.308+/-0.006 χ^2/NDF:13891430.0/46

All: 33.549+/-0.004 χ^2/NDF: 25282918.8/87

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

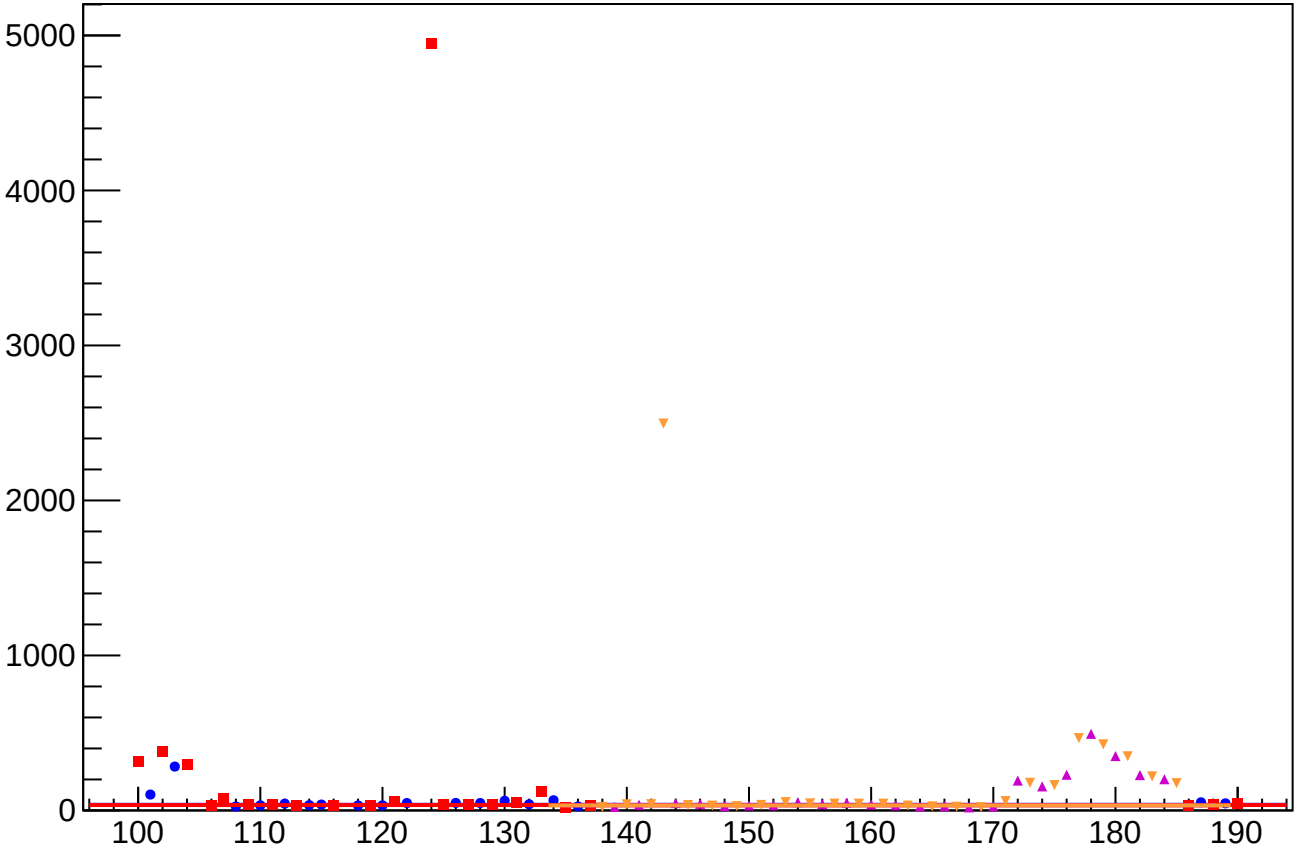
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2980134.6/21

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

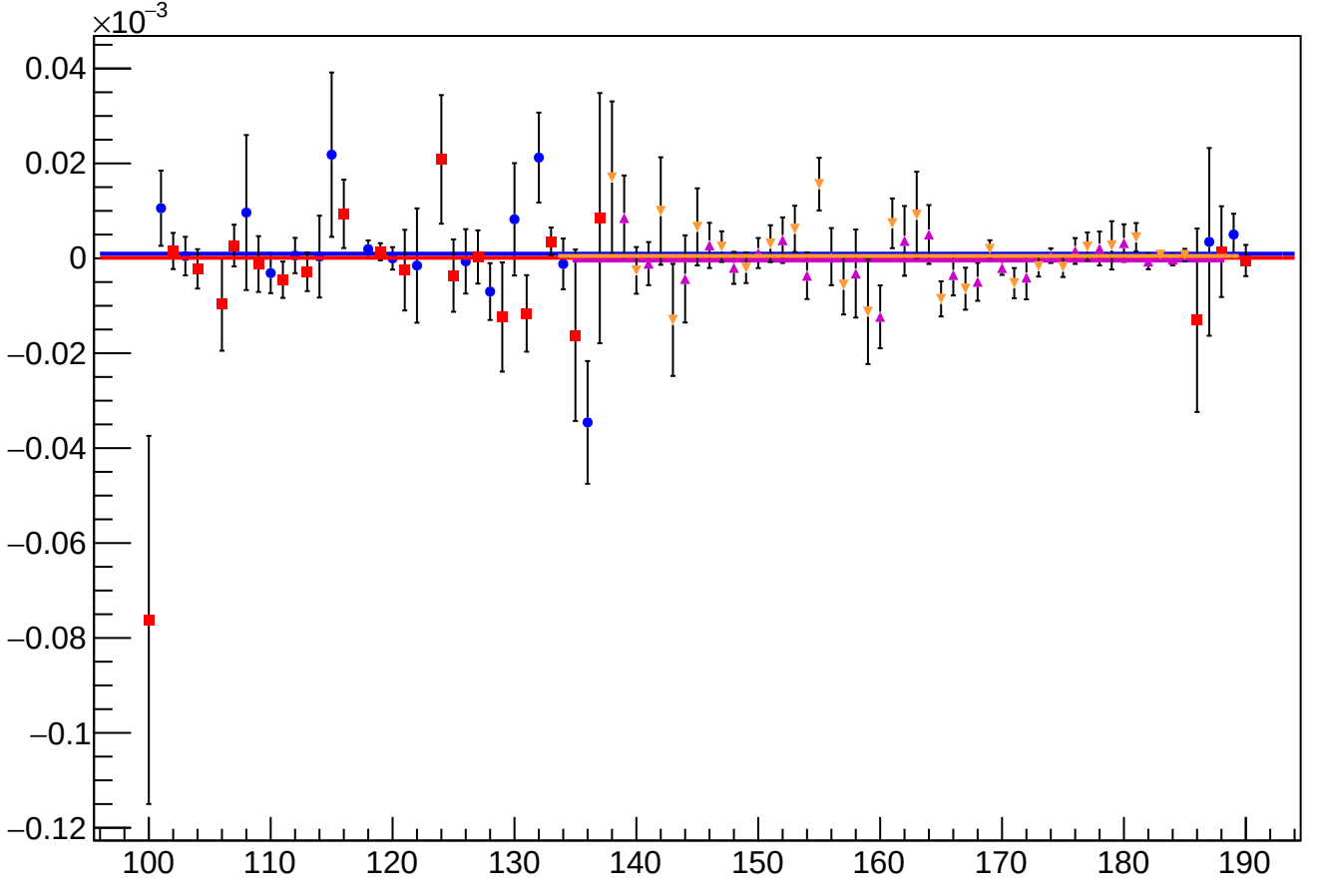
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.621+/-0.007 χ^2/NDF: 5328508.1/39

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.308+/-0.006 χ^2/NDF:13891430.0/46

All: 33.549+/-0.004 χ^2/NDF: 25282918.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/21

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

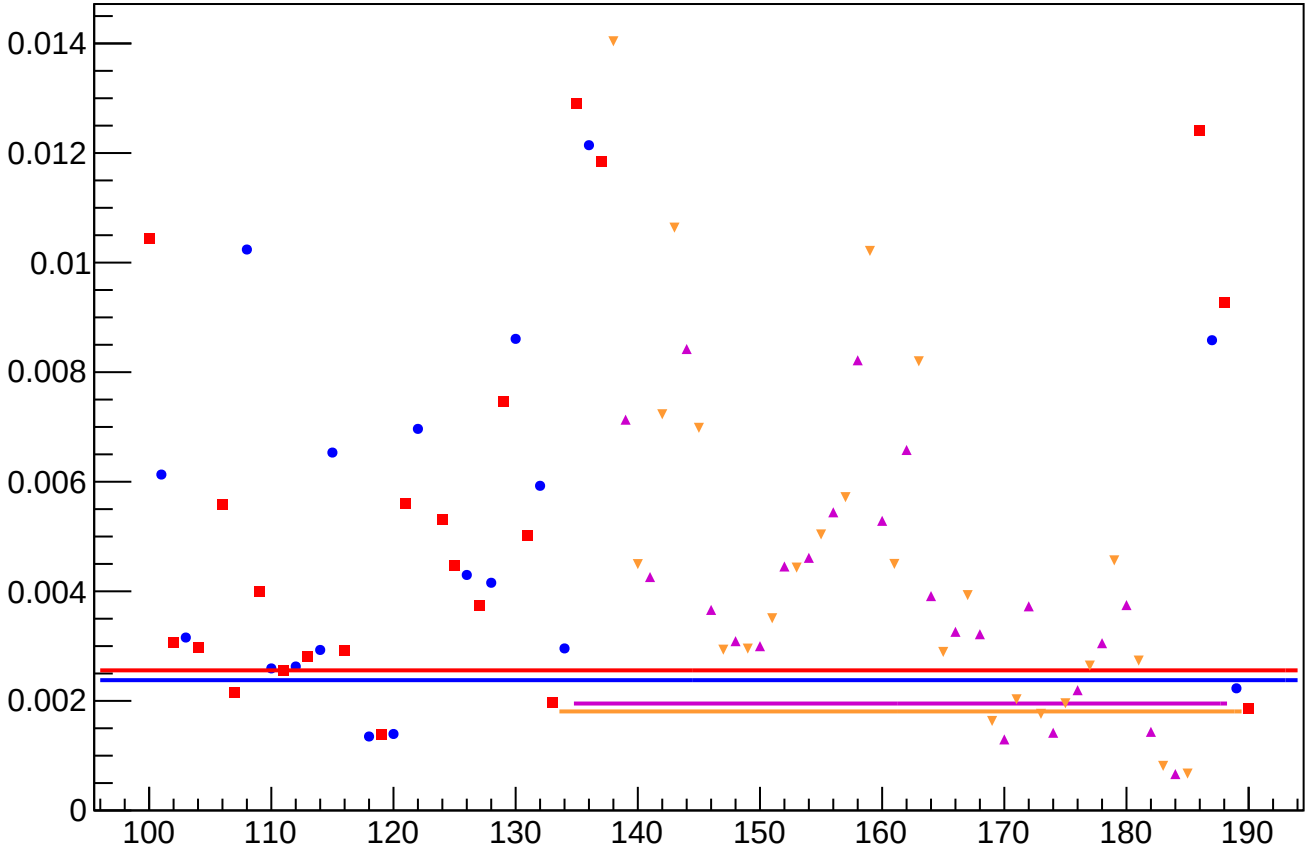
Right: 0.000+/-0.000 χ^2/NDF: 39.0/39

In: -0.000+/-0.000 χ^2/NDF:35.1/40

Out: 0.000+/-0.000 χ^2/NDF:54.4/46

All: 0.000+/-0.000 χ^2/NDF: 90.1/87

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4993756.9/21

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

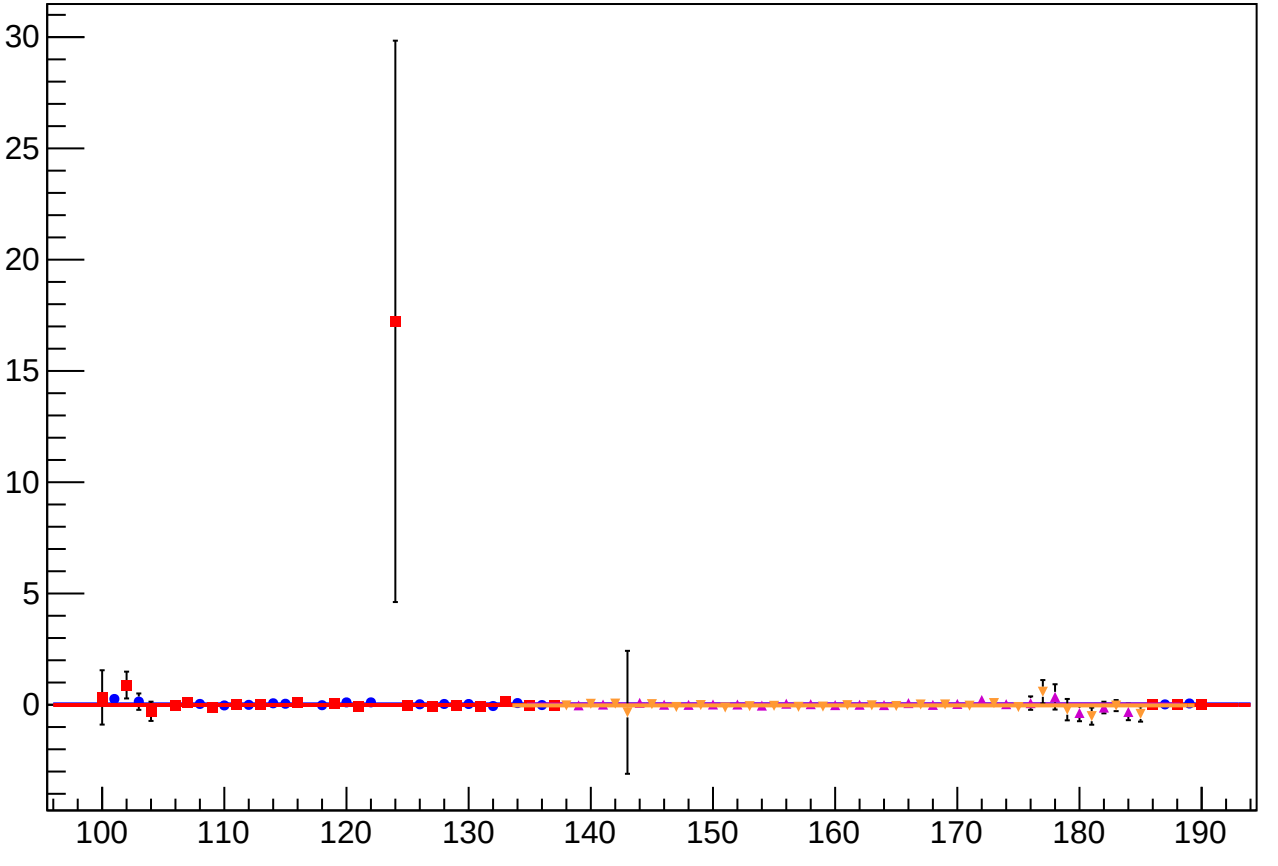
Right: 0.002+/-0.000 χ^2/NDF: 9944392.9/39

In: 0.002+/-0.000 χ^2/NDF:16643075.7/40

Out: 0.002+/-0.000 χ^2/NDF:20793030.3/46

All: 0.002+/-0.000 χ^2/NDF: 37456993.8/87

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

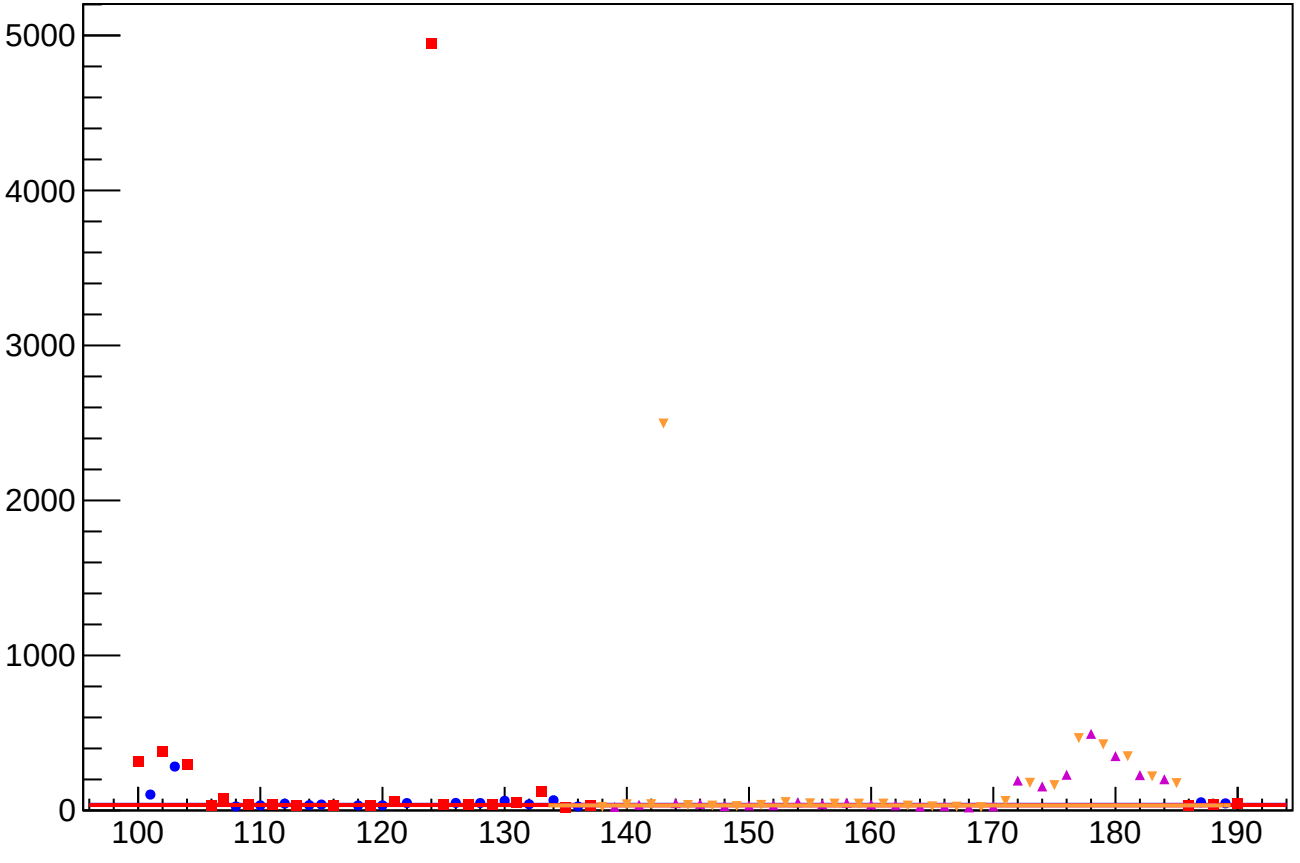
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2979946.7/21

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

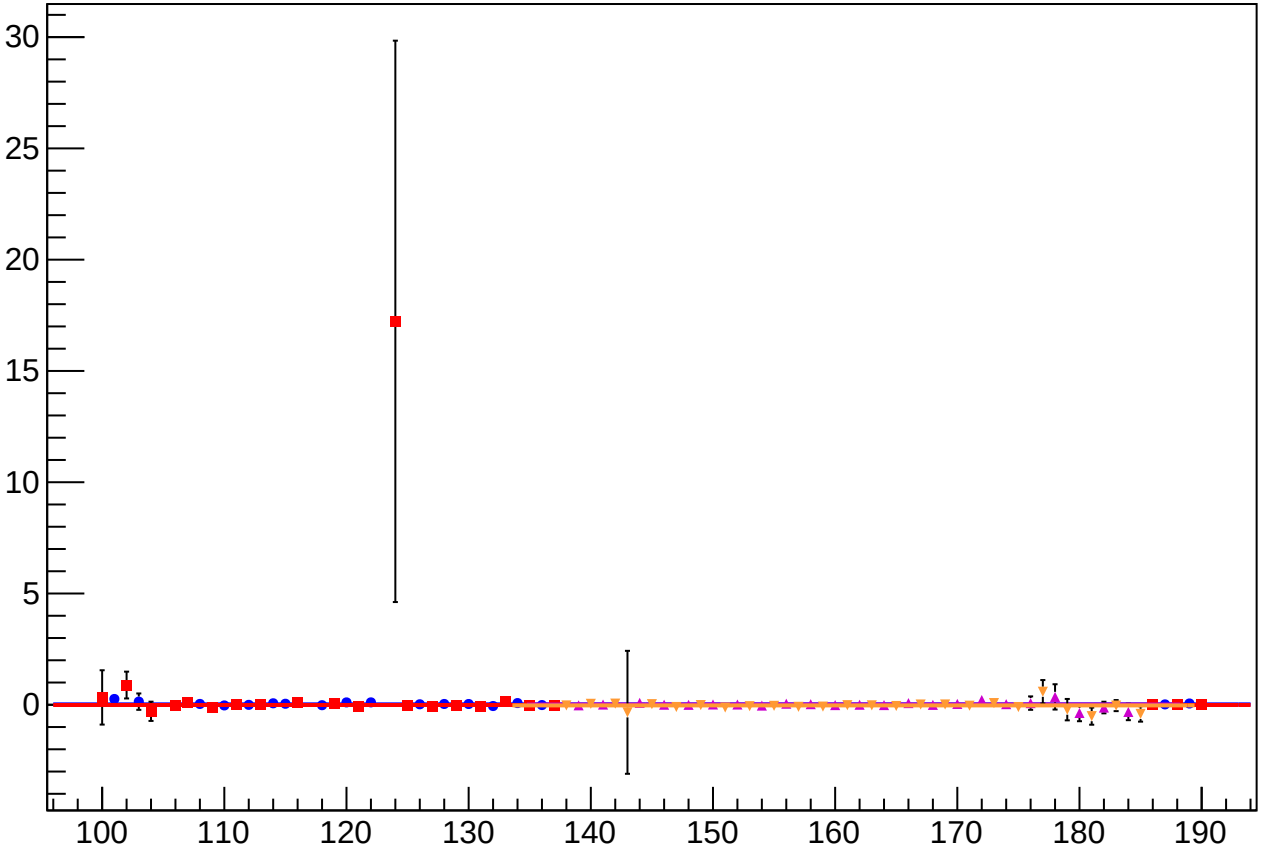
Right: 35.622+/-0.007 χ^2/NDF: 5328037.0/39

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.308+/-0.006 χ^2/NDF:13891516.2/46

All: 33.548+/-0.004 χ^2/NDF: 25283459.0/87

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

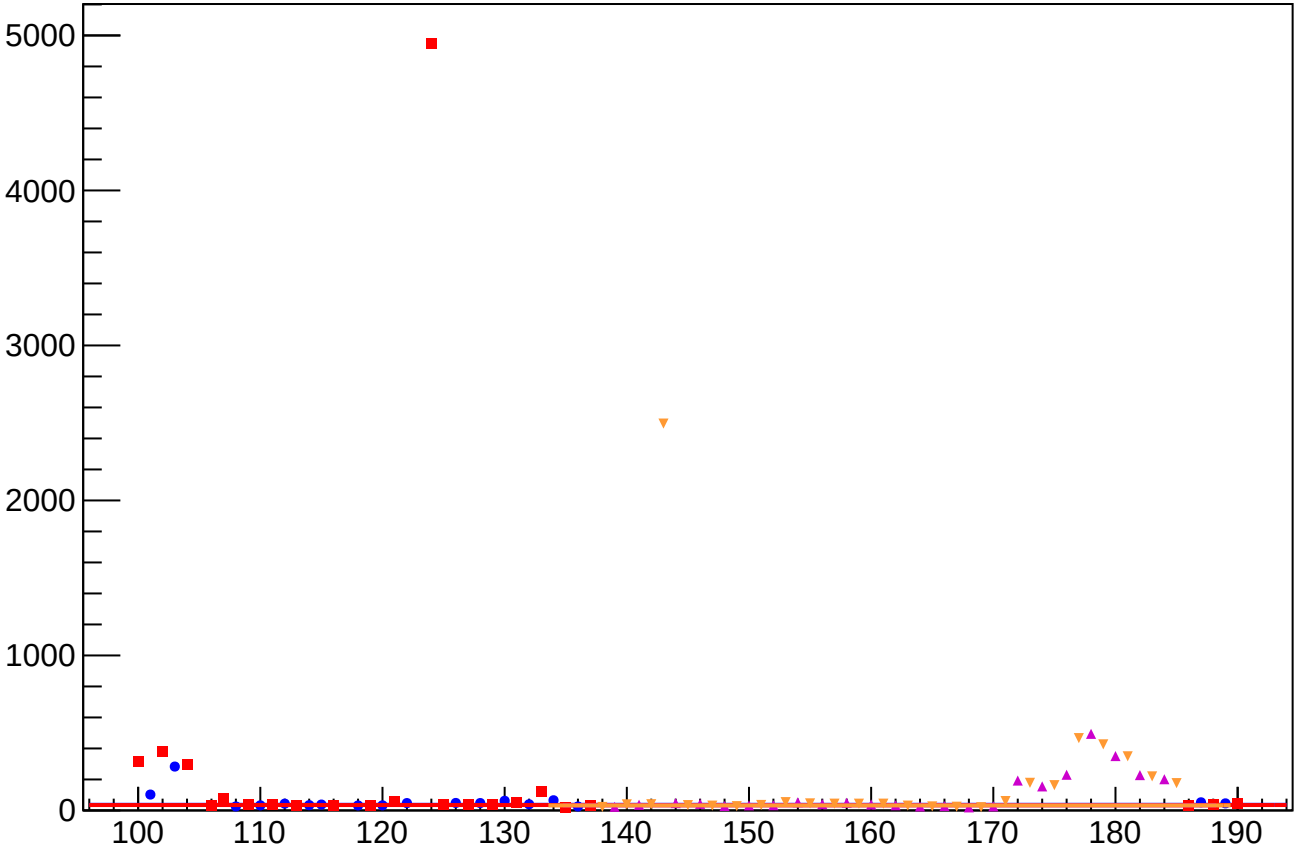
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2979946.7/21

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

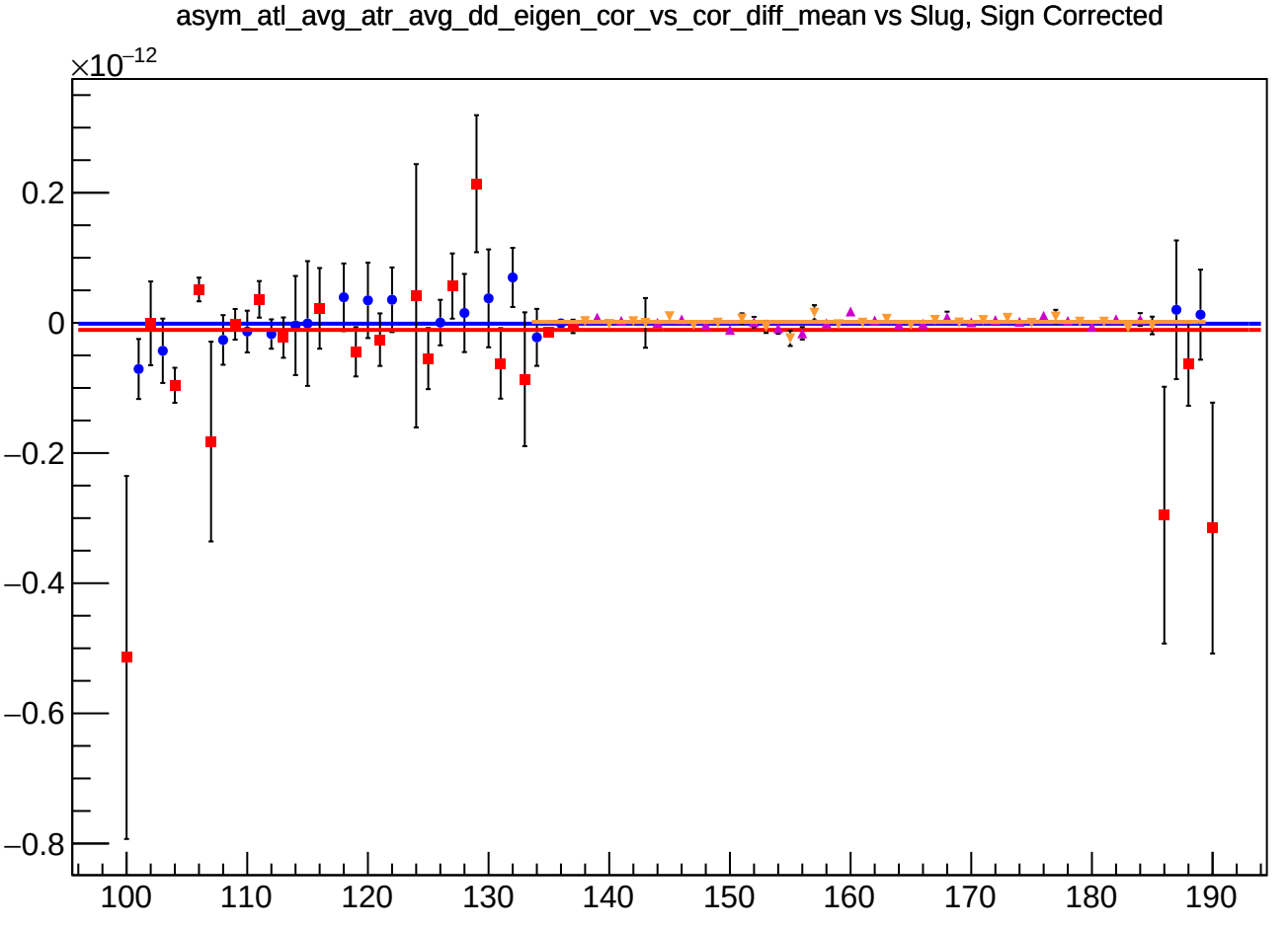
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

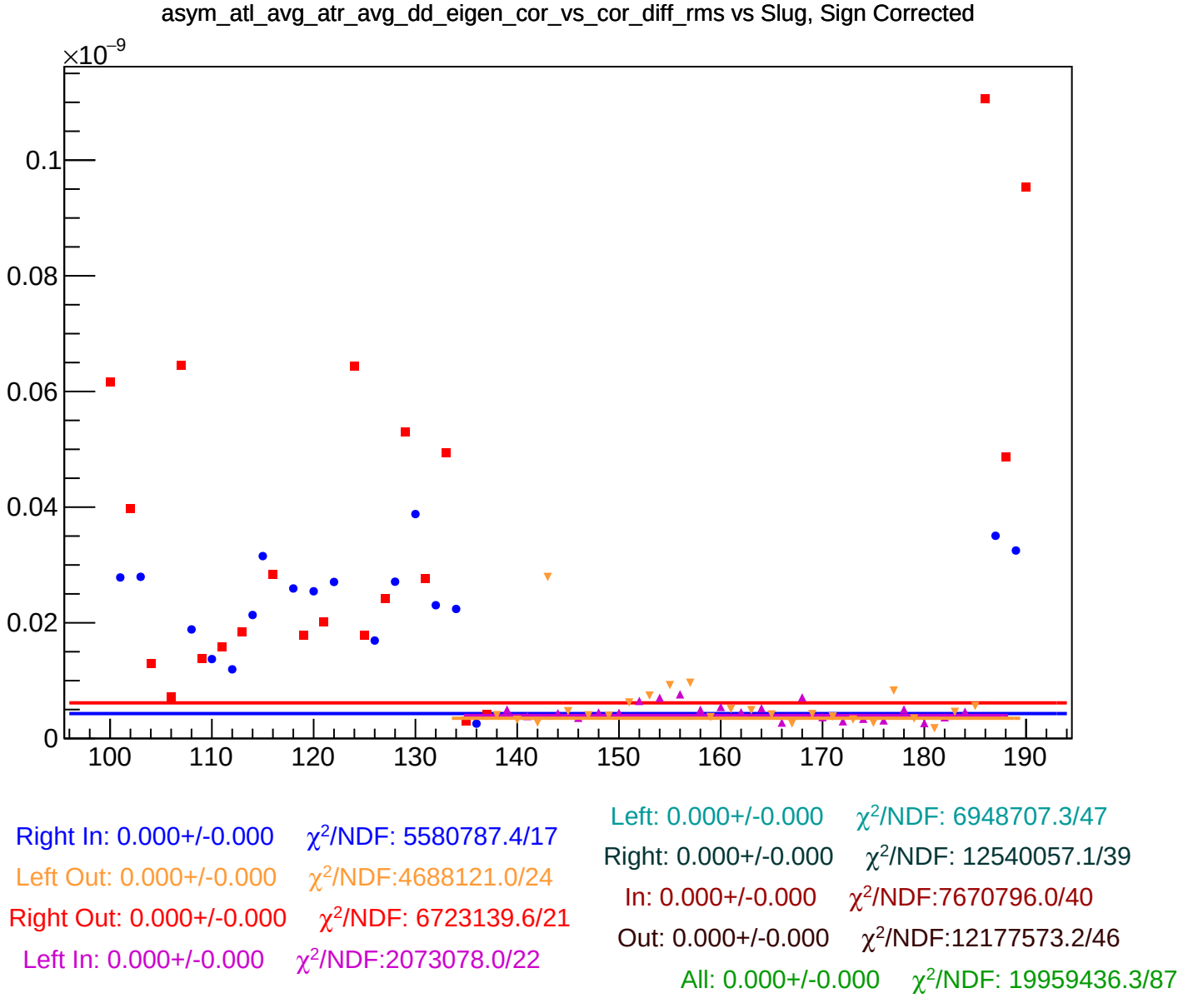
Right: 35.622+/-0.007 χ^2/NDF: 5328037.0/39

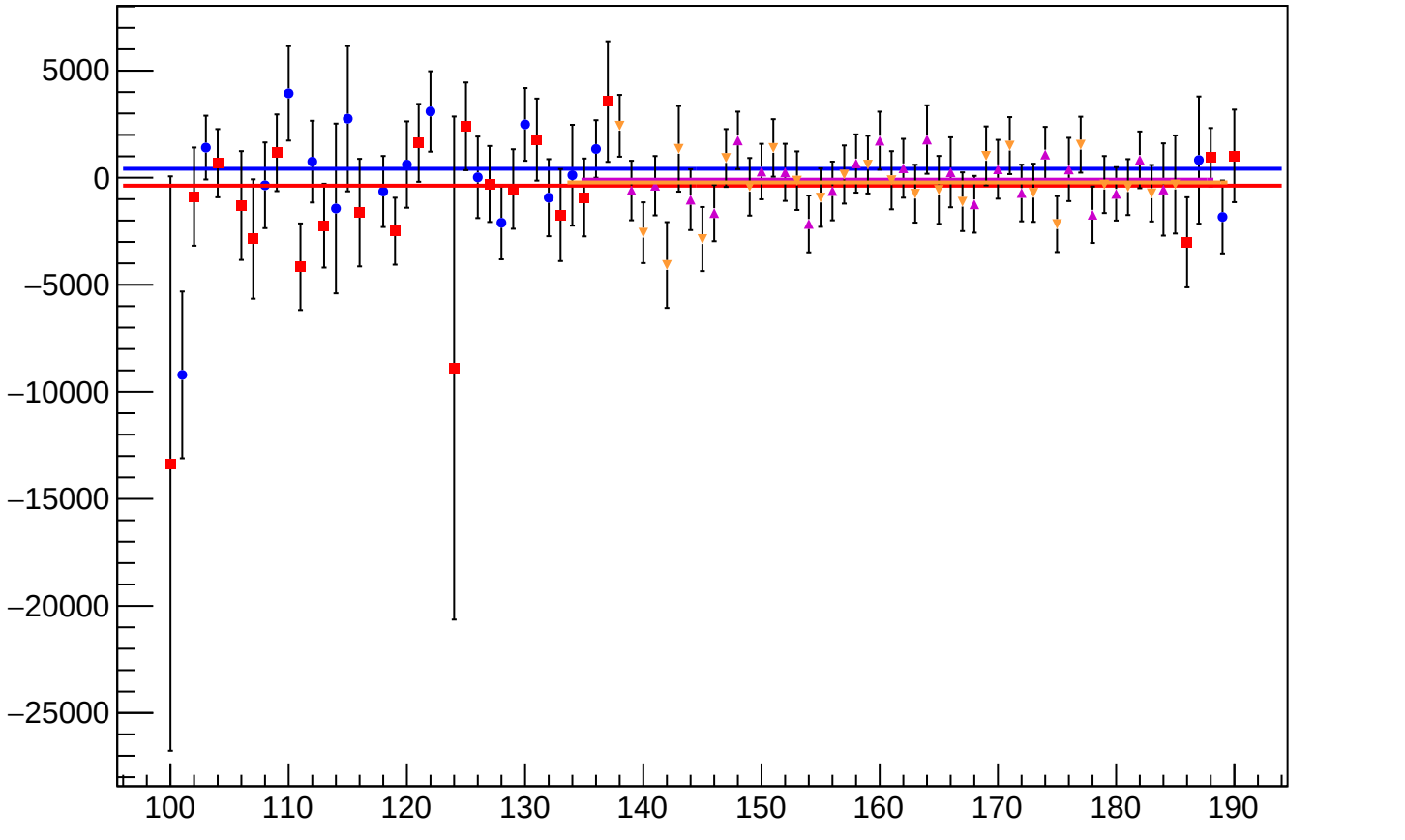
In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.308+/-0.006 χ^2/NDF:13891516.2/46

All: 33.548+/-0.004 χ^2/NDF: 25283459.0/87


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/17
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.1/21
Left In: 0.000+/-0.000 χ²/NDF:28.7/22
Left: 0.000+/-0.000 χ²/NDF: 46.8/47
Right: -0.000+/-0.000 χ²/NDF: 57.0/39
In: 0.000+/-0.000 χ²/NDF:37.9/40
Out: 0.000+/-0.000 χ²/NDF:71.4/46
All: 0.000+/-0.000 χ²/NDF: 109.2/87


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5580787.4/17
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6723139.6/21
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: 12540057.1/39
In: 0.000+/-0.000 χ²/NDF:7670796.0/40
Out: 0.000+/-0.000 χ²/NDF:12177573.2/46
All: 0.000+/-0.000 χ²/NDF: 19959436.3/87



Right In: 416.942+/-458.583 χ^2/NDF: 19.0/17

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -371.714+/-433.863 χ^2/NDF: 19.8/21

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

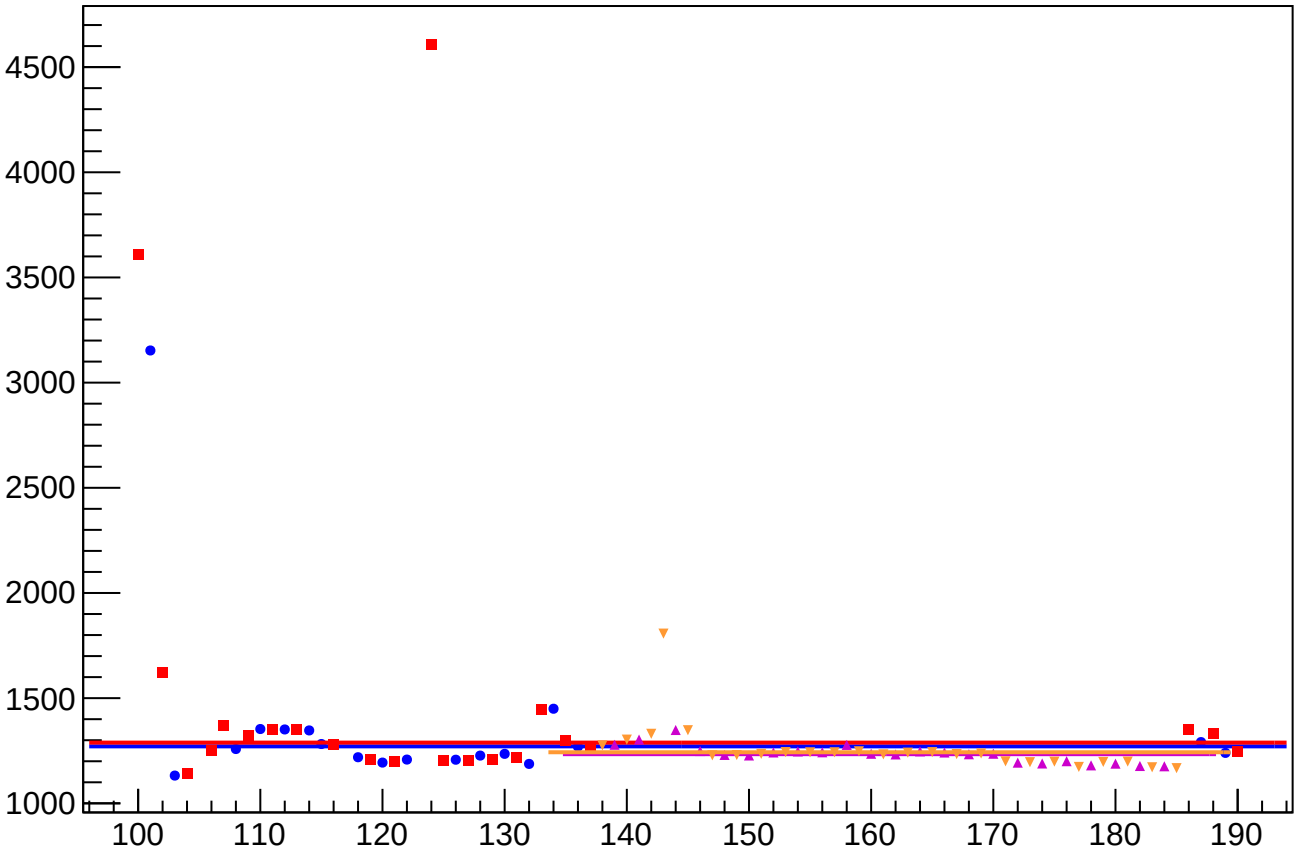
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: 0.786+/-315.165 χ^2/NDF: 40.4/39

In: 51.822+/-244.023 χ^2/NDF:34.5/40

Out: -265.801+/-237.065 χ^2/NDF:43.9/46

All: -111.583+/-170.037 χ^2/NDF: 79.3/87



Right In: 1270.843+/-0.324 χ^2/NDF: 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.659+/-0.307 χ^2/NDF: 326979.6/21

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

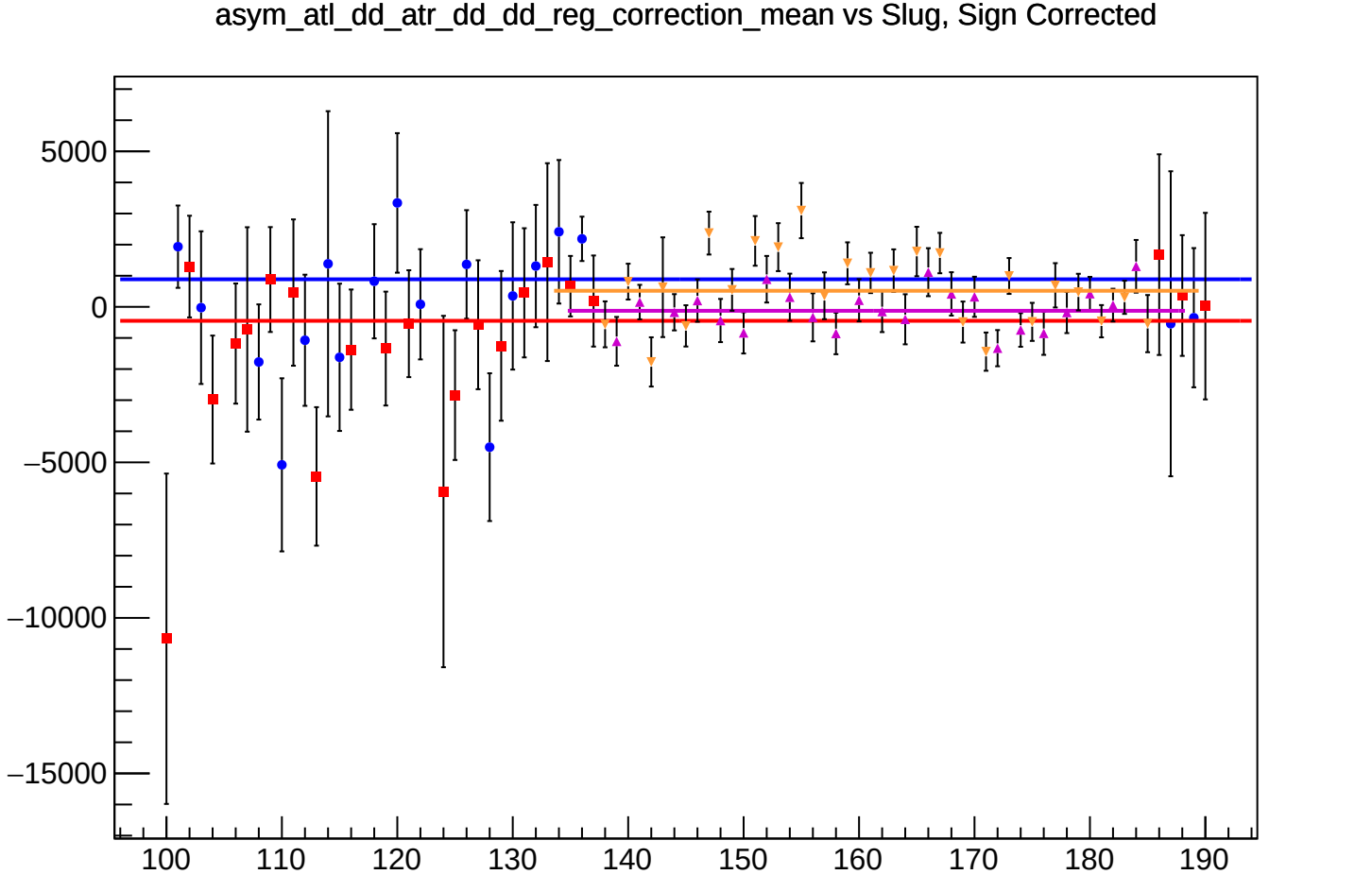
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1280.244+/-0.223 χ^2/NDF: 848663.9/39

In: 1244.255+/-0.173 χ^2/NDF:568752.1/40

Out: 1256.509+/-0.168 χ^2/NDF:545935.3/46

All: 1250.559+/-0.120 χ^2/NDF: 1117282.2/87



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -449.117+/-421.063 χ^2/NDF: 17.8/21

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

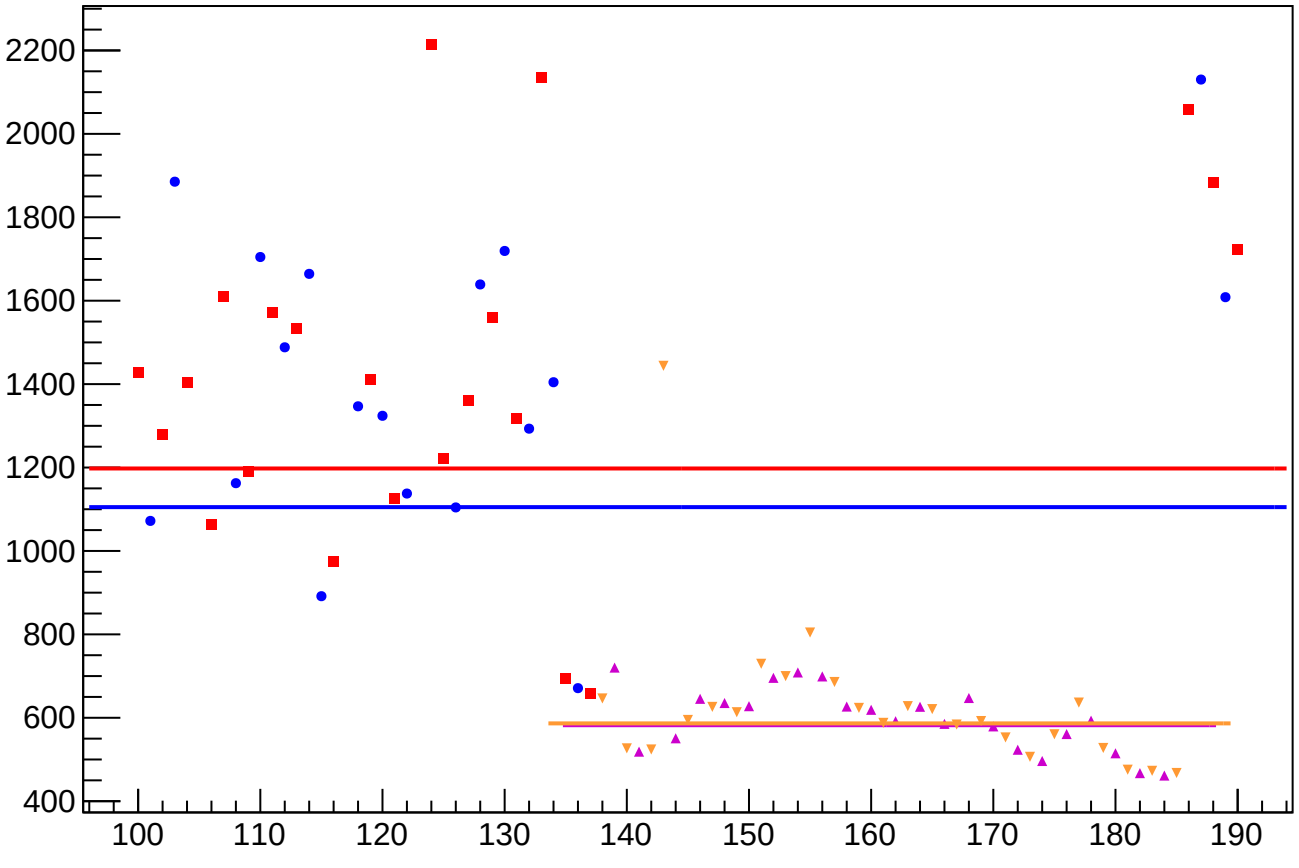
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 225.333+/-296.224 χ^2/NDF: 43.2/39

In: -27.474+/-130.378 χ^2/NDF:47.2/40

Out: 425.852+/-129.198 χ^2/NDF:89.6/46

All: 201.250+/-91.771 χ^2/NDF: 142.9/87



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1197.721+/-0.298 χ^2/NDF: 1787206.1/21

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

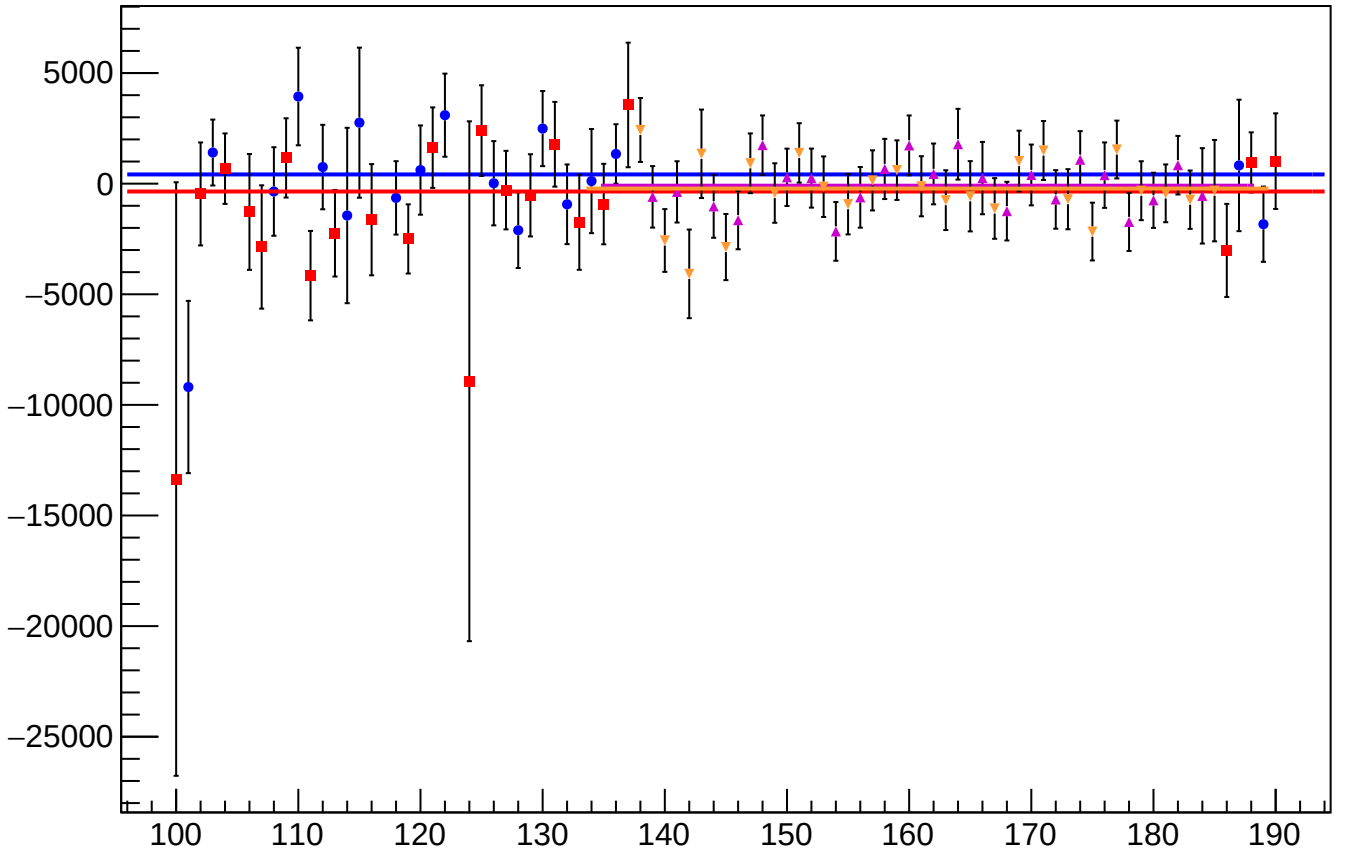
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1150.928+/-0.209 χ^2/NDF: 3514354.2/39

In: 633.349+/-0.092 χ^2/NDF:5076912.5/40

Out: 644.098+/-0.091 χ^2/NDF:6807001.3/46

All: 638.773+/-0.065 χ^2/NDF: 11890772.5/87



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -354.641+/-434.465 χ^2/NDF: 19.8/21

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

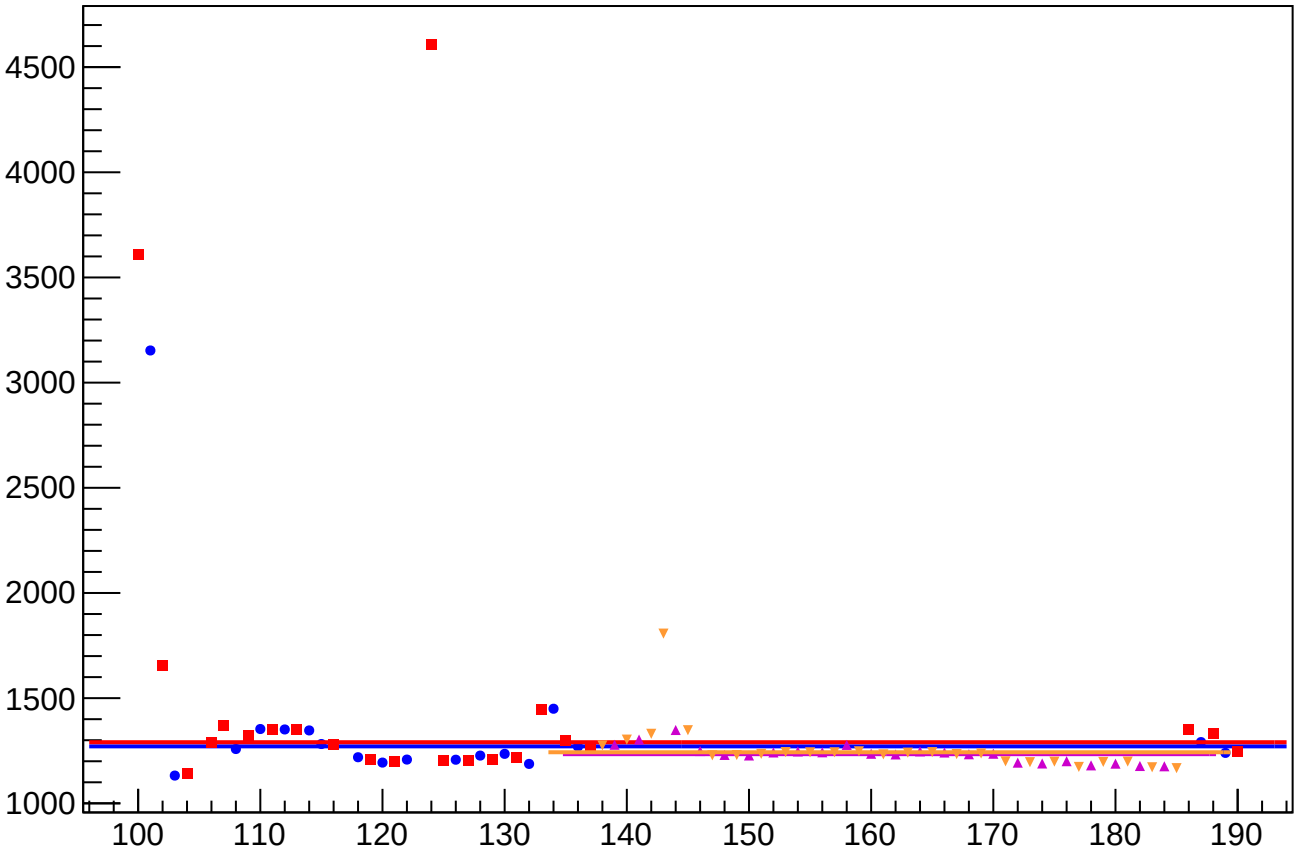
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 10.461+/-315.395 χ^2/NDF: 40.2/39

In: 51.852+/-244.023 χ^2/NDF:34.5/40

Out: -260.650+/-237.162 χ^2/NDF:43.8/46

All: -108.854+/-170.073 χ^2/NDF: 79.1/87



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.542+/-0.307 χ^2/NDF: 333393.7/21

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

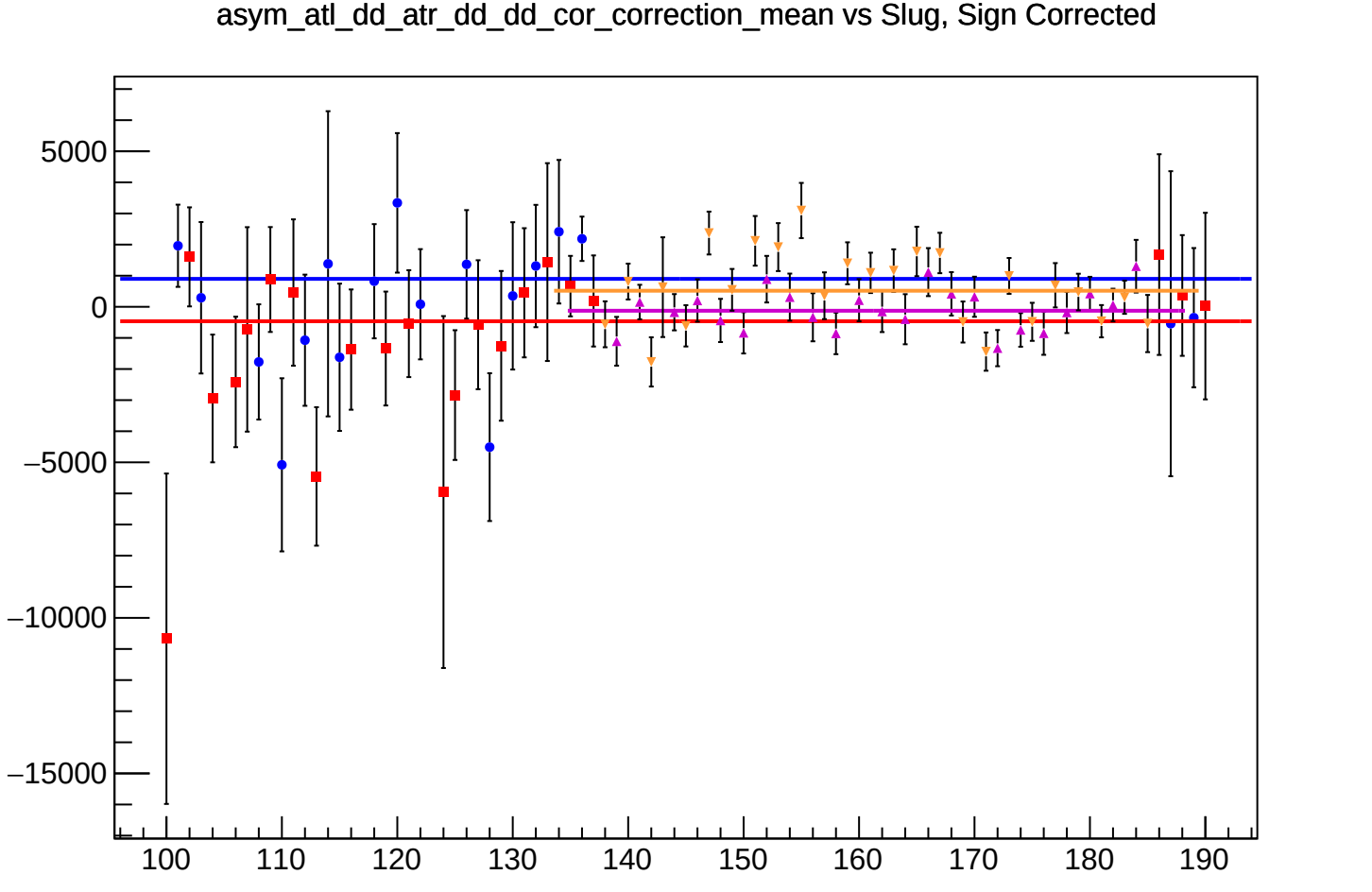
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1281.224+/-0.223 χ^2/NDF: 855431.3/39

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.043+/-0.168 χ^2/NDF:553629.0/46

All: 1250.831+/-0.120 χ^2/NDF: 1125207.3/87



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -464.643+/-421.810 χ^2/NDF: 19.1/21

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

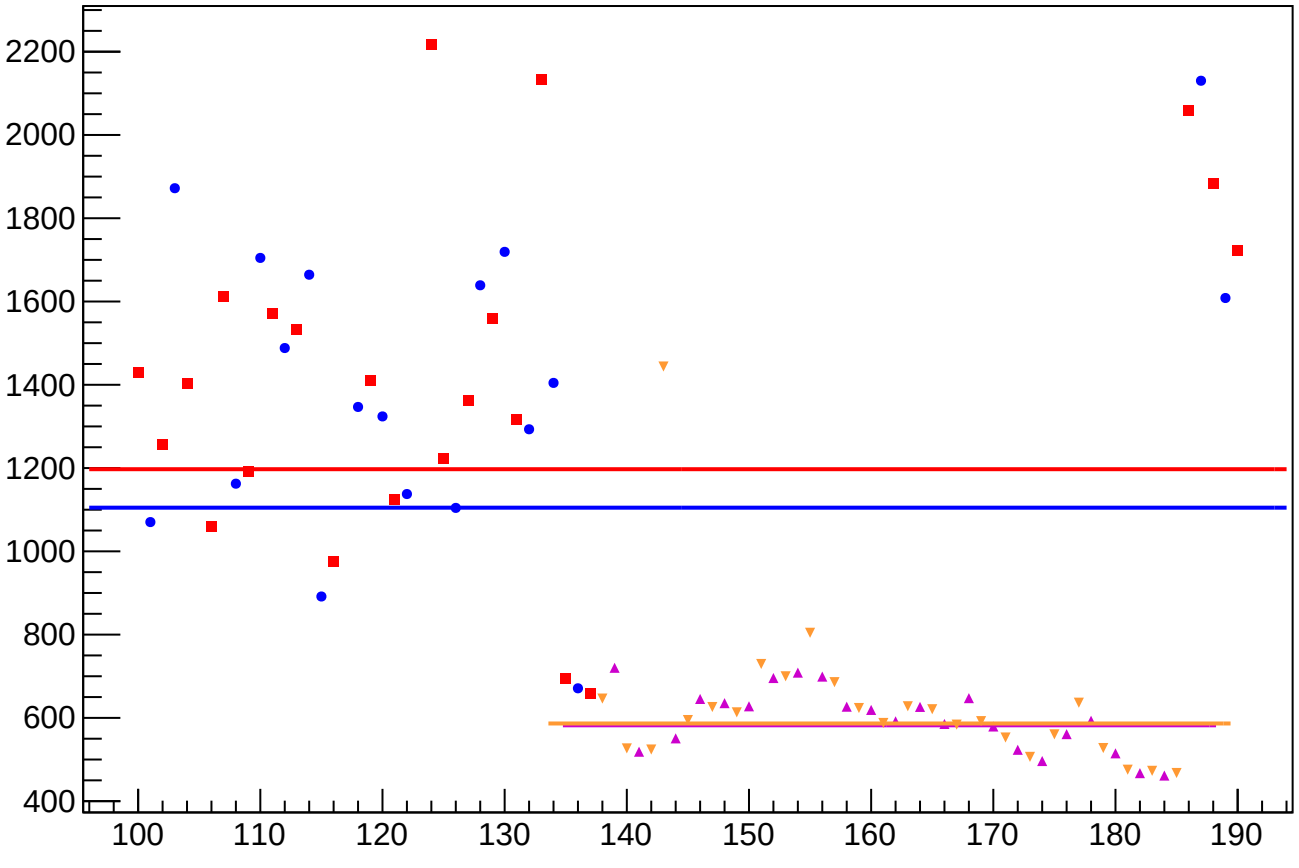
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 225.140+/-296.425 χ^2/NDF: 44.6/39

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 424.703+/-129.220 χ^2/NDF:91.0/46

All: 201.244+/-91.777 χ^2/NDF: 144.3/87



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1197.272+/-0.298 χ^2/NDF: 1783810.7/21

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

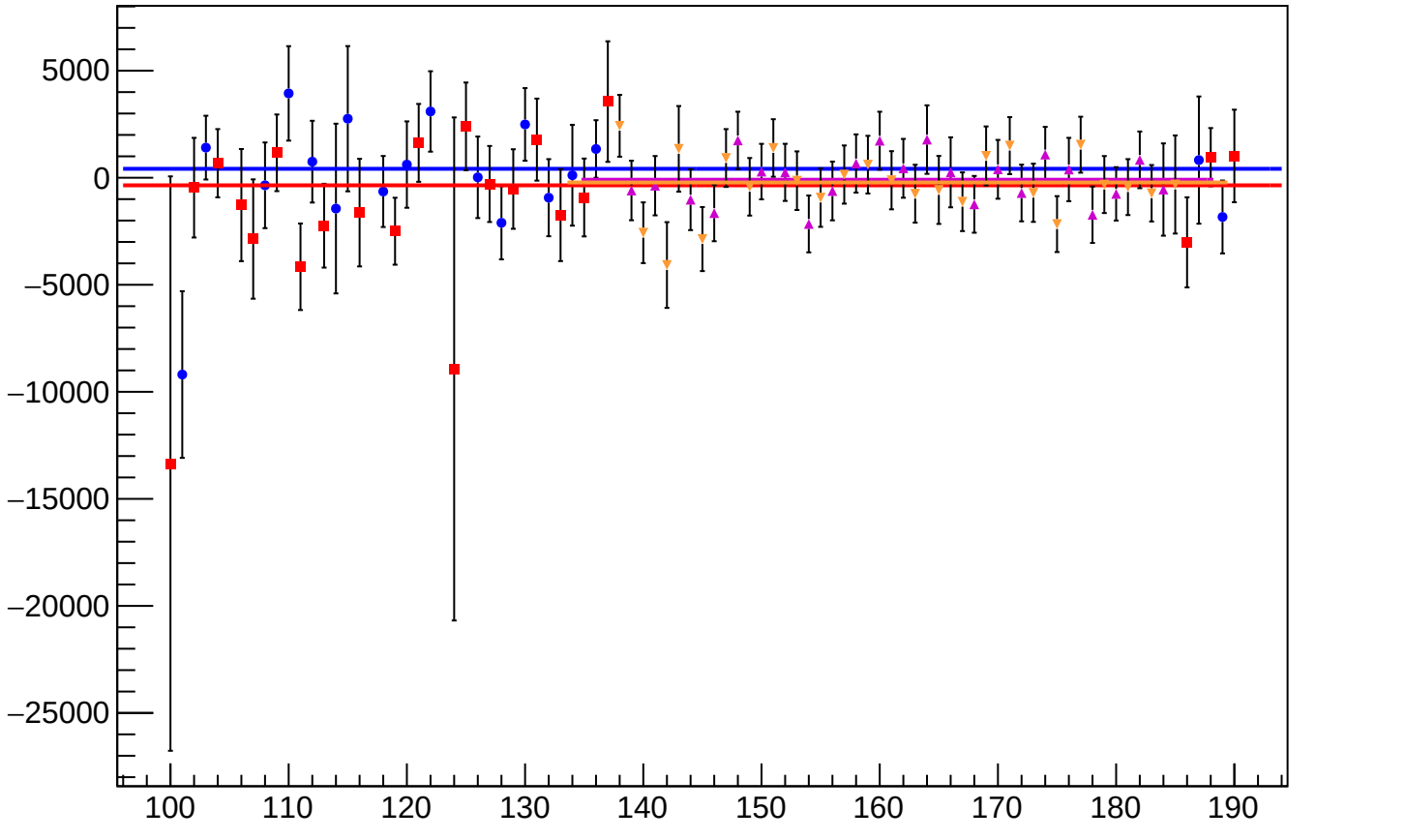
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1150.504+/-0.210 χ^2/NDF: 3507231.7/39

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 643.876+/-0.091 χ^2/NDF:6785610.3/46

All: 638.667+/-0.065 χ^2/NDF: 11865558.0/87



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -354.641+/-434.465 χ^2/NDF: 19.8/21

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

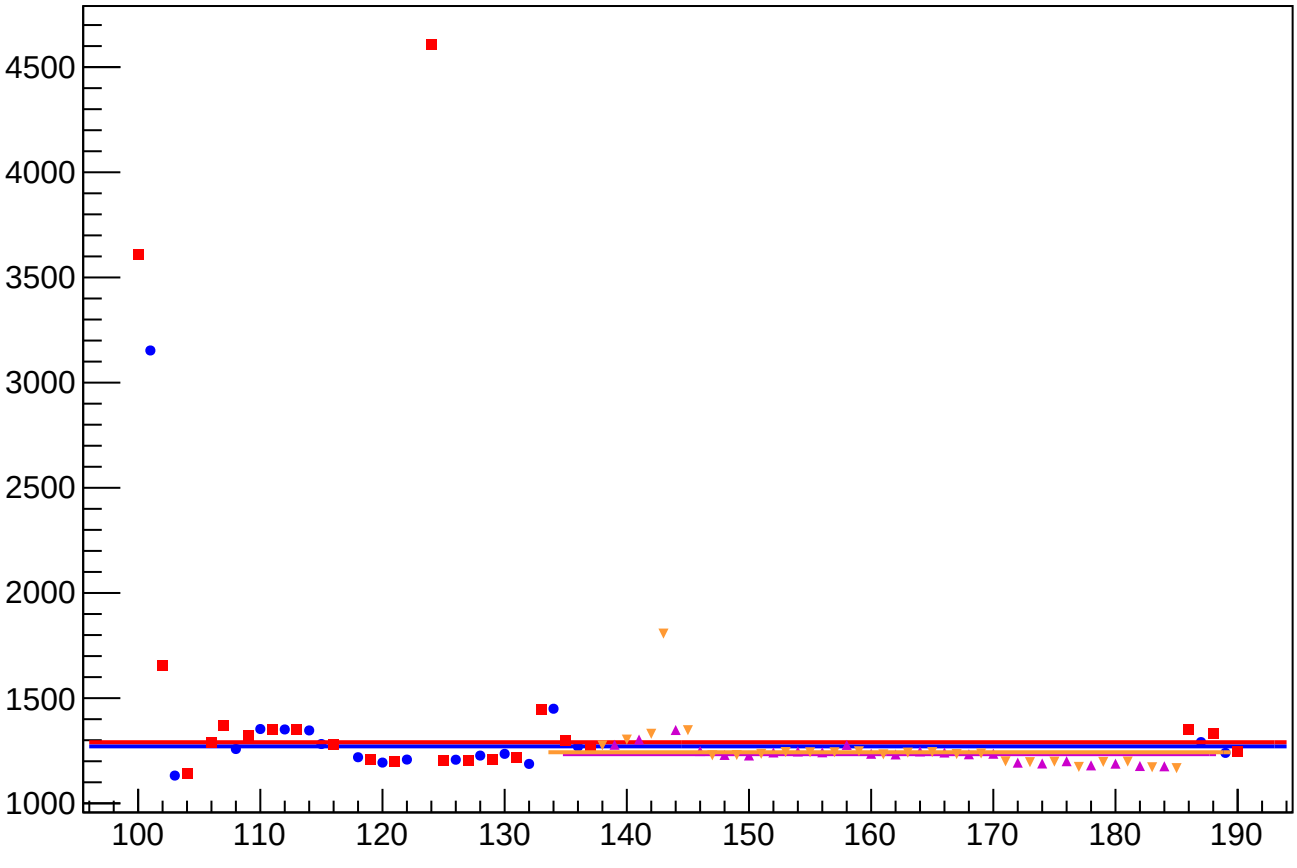
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 10.461+/-315.395 χ^2/NDF: 40.2/39

In: 51.852+/-244.023 χ^2/NDF:34.5/40

Out: -260.650+/-237.162 χ^2/NDF:43.8/46

All: -108.854+/-170.073 χ^2/NDF: 79.1/87



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.542+/-0.307 χ^2/NDF: 333393.7/21

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

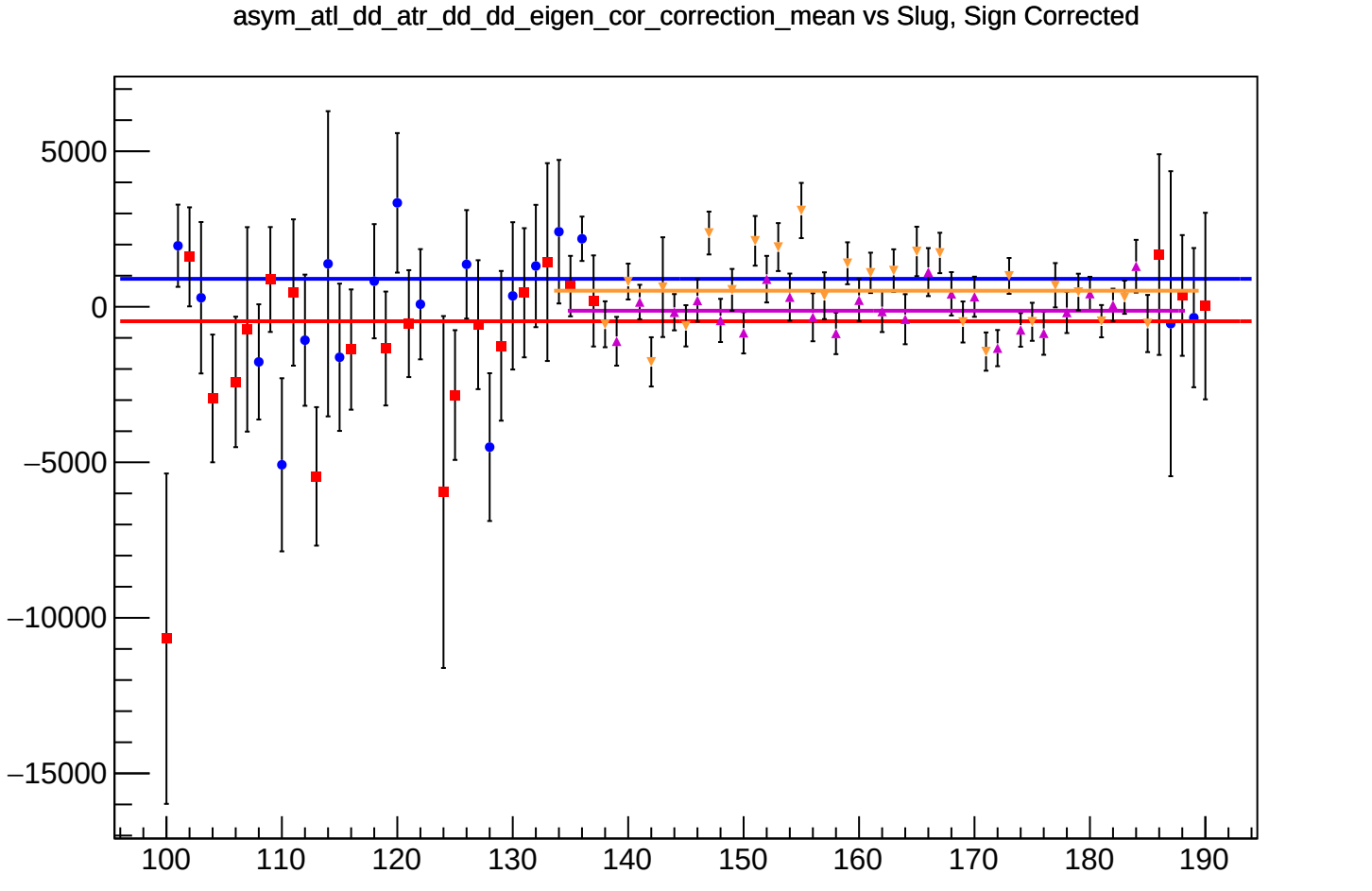
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1281.224+/-0.223 χ^2/NDF: 855431.3/39

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.043+/-0.168 χ^2/NDF:553629.0/46

All: 1250.831+/-0.120 χ^2/NDF: 1125207.3/87



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -464.643+/-421.810 χ^2/NDF: 19.1/21

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

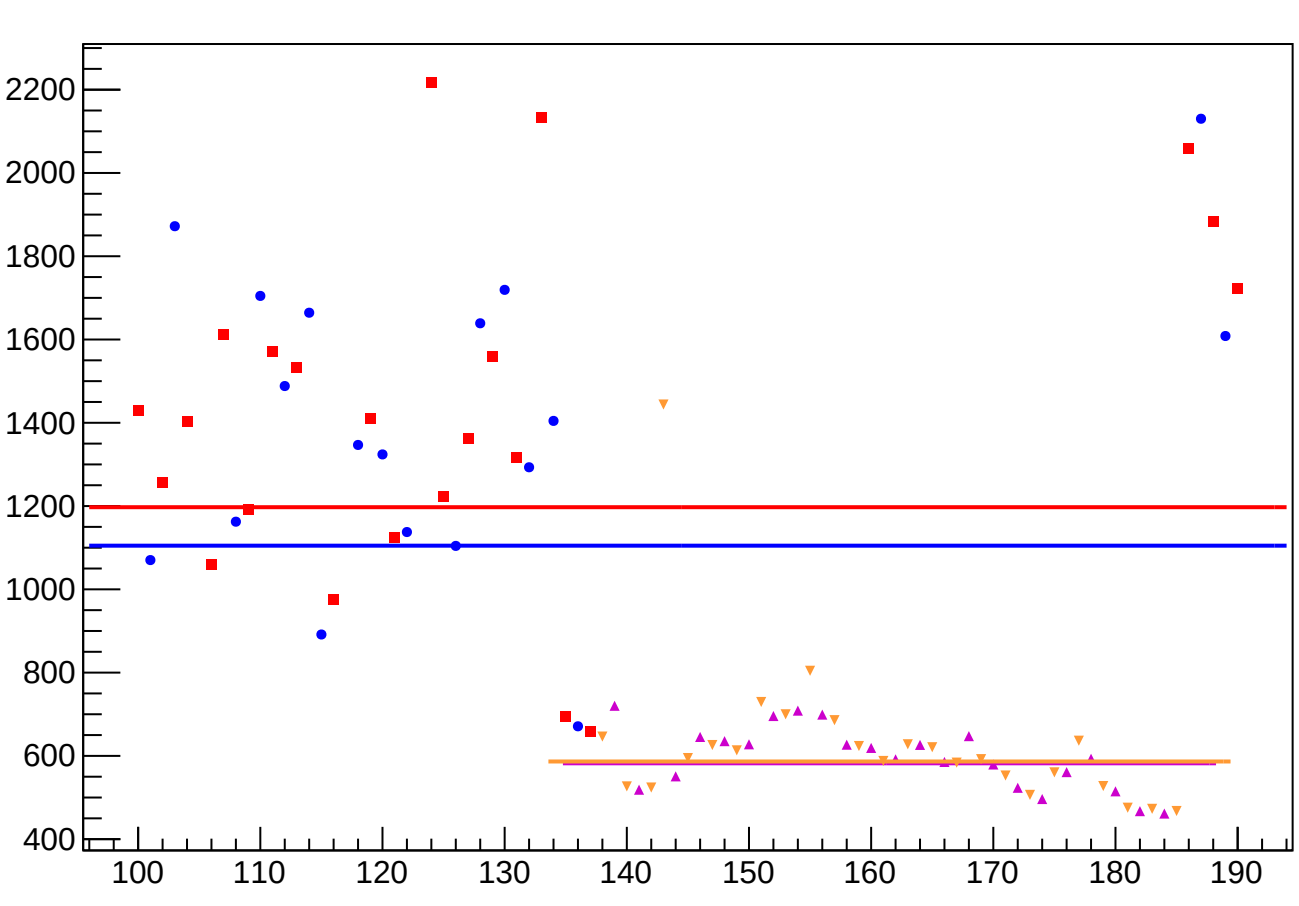
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 225.140+/-296.425 χ^2/NDF: 44.6/39

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 424.703+/-129.220 χ^2/NDF:91.0/46

All: 201.244+/-91.777 χ^2/NDF: 144.3/87



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1197.272+/-0.298 χ^2/NDF: 1783810.7/21

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

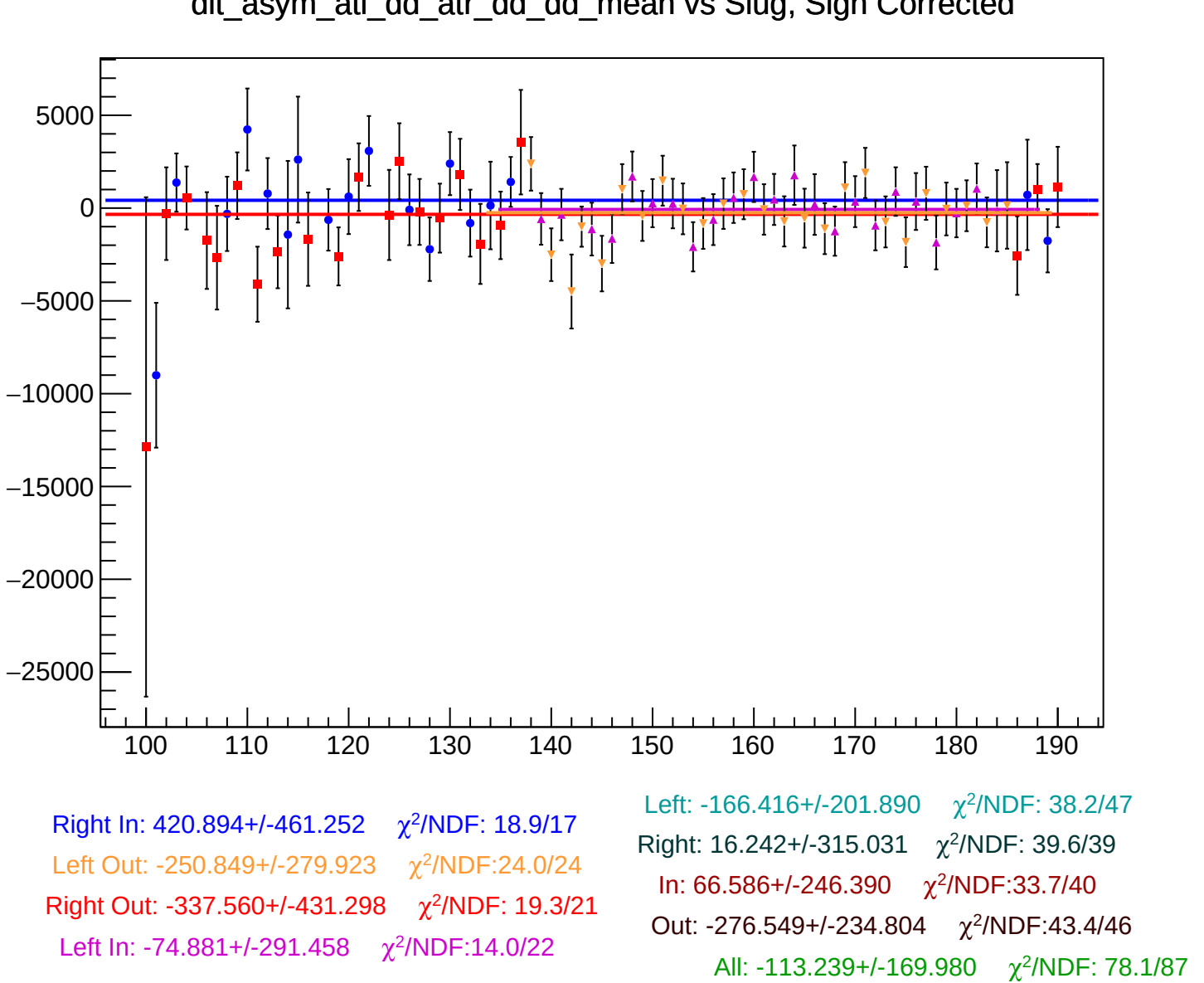
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1150.504+/-0.210 χ^2/NDF: 3507231.7/39

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 643.876+/-0.091 χ^2/NDF:6785610.3/46

All: 638.667+/-0.065 χ^2/NDF: 11865558.0/87


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
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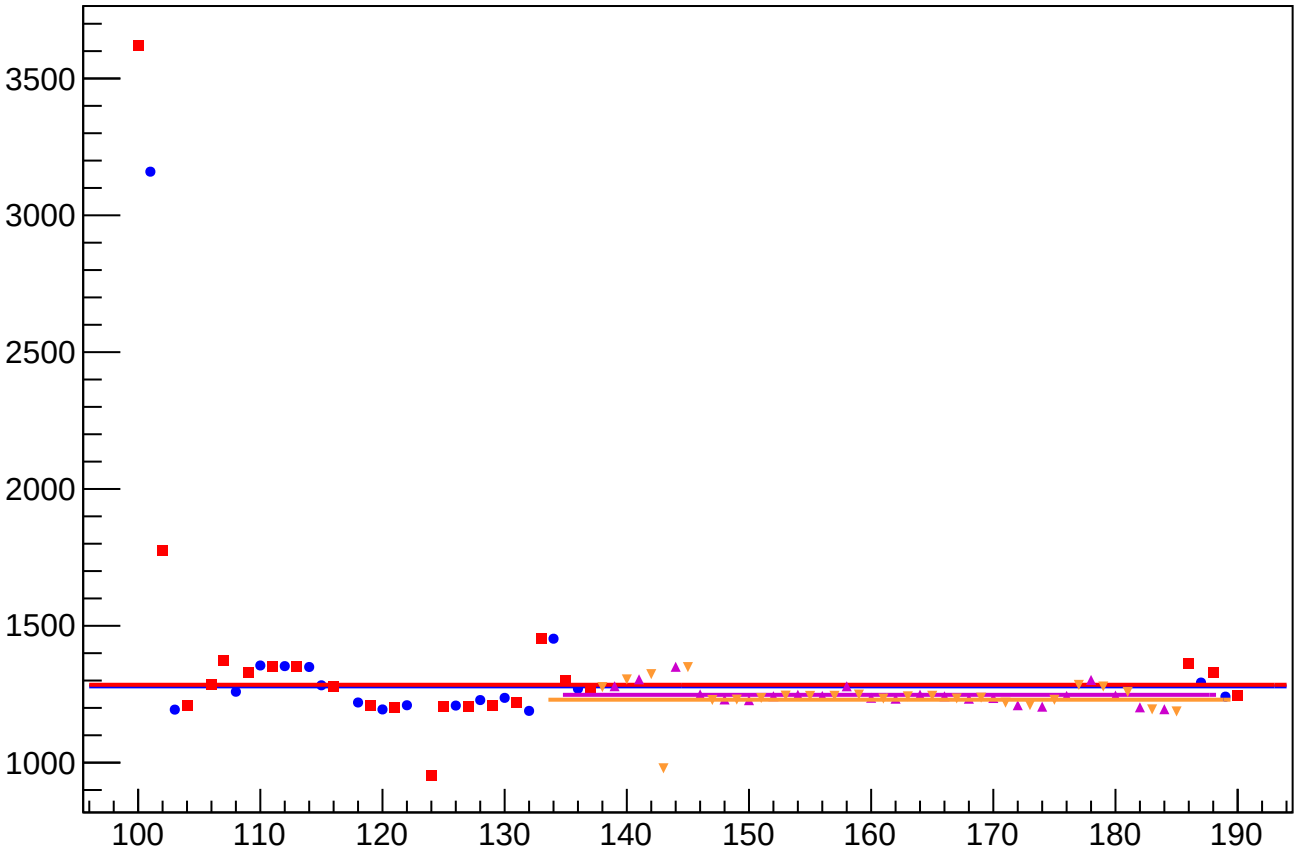
Right In: 420.894+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -337.560+/-431.298 χ²/NDF: 19.3/21
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: 16.242+/-315.031 χ²/NDF: 39.6/39
In: 66.586+/-246.390 χ²/NDF:33.7/40
Out: -276.549+/-234.804 χ²/NDF:43.4/46
All: -113.239+/-169.980 χ²/NDF: 78.1/87



Right In: 1278.697+/-0.326 χ^2/NDF: 508149.9/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1284.594+/-0.305 χ^2/NDF: 226623.5/21

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

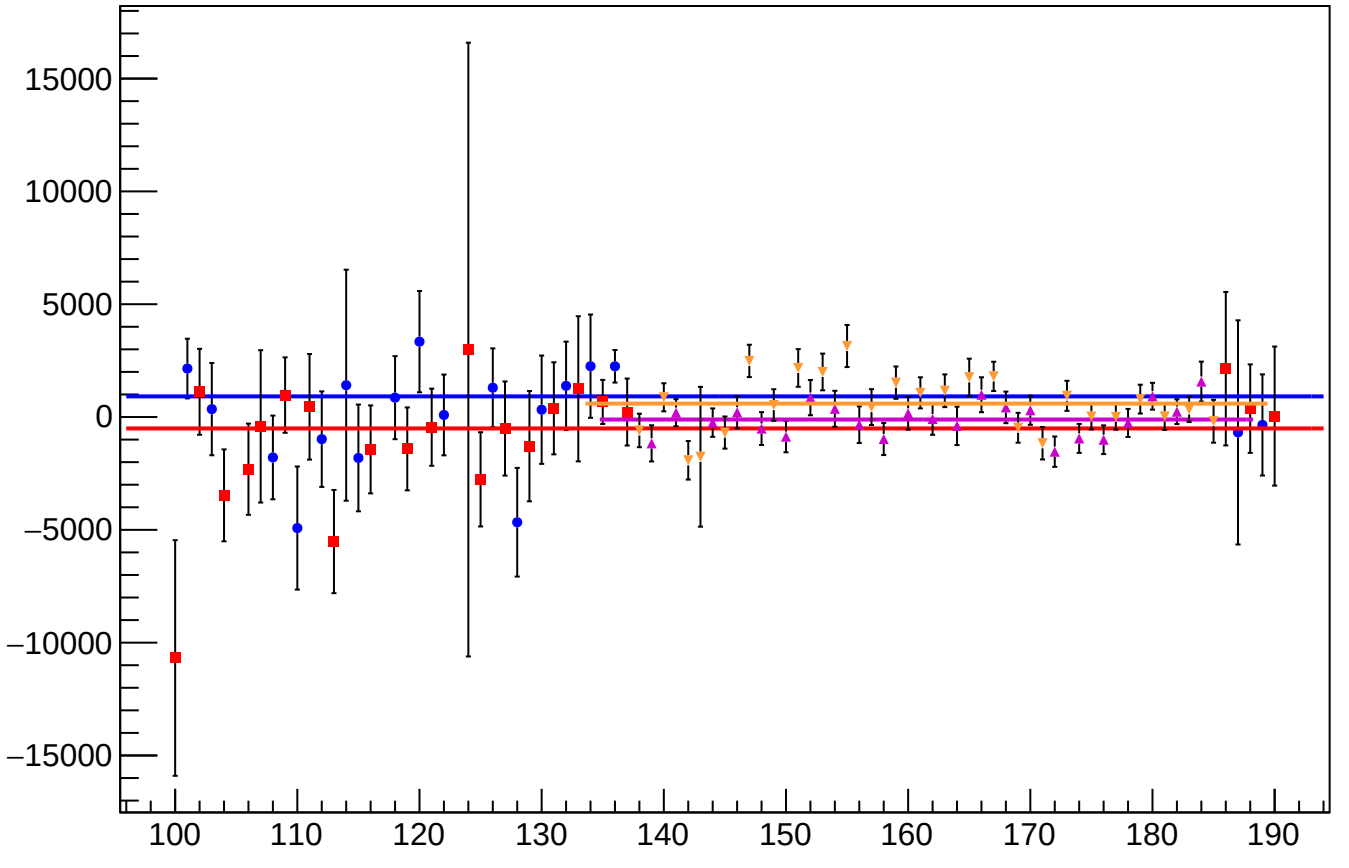
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1281.843+/-0.223 χ^2/NDF: 734947.8/39

In: 1256.606+/-0.174 χ^2/NDF:541910.2/40

Out: 1246.171+/-0.166 χ^2/NDF:390789.7/46

All: 1251.137+/-0.120 χ^2/NDF: 934579.8/87



Right In: 915.040+/-416.297 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -505.241+/-428.736 χ^2/NDF: 18.0/21

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

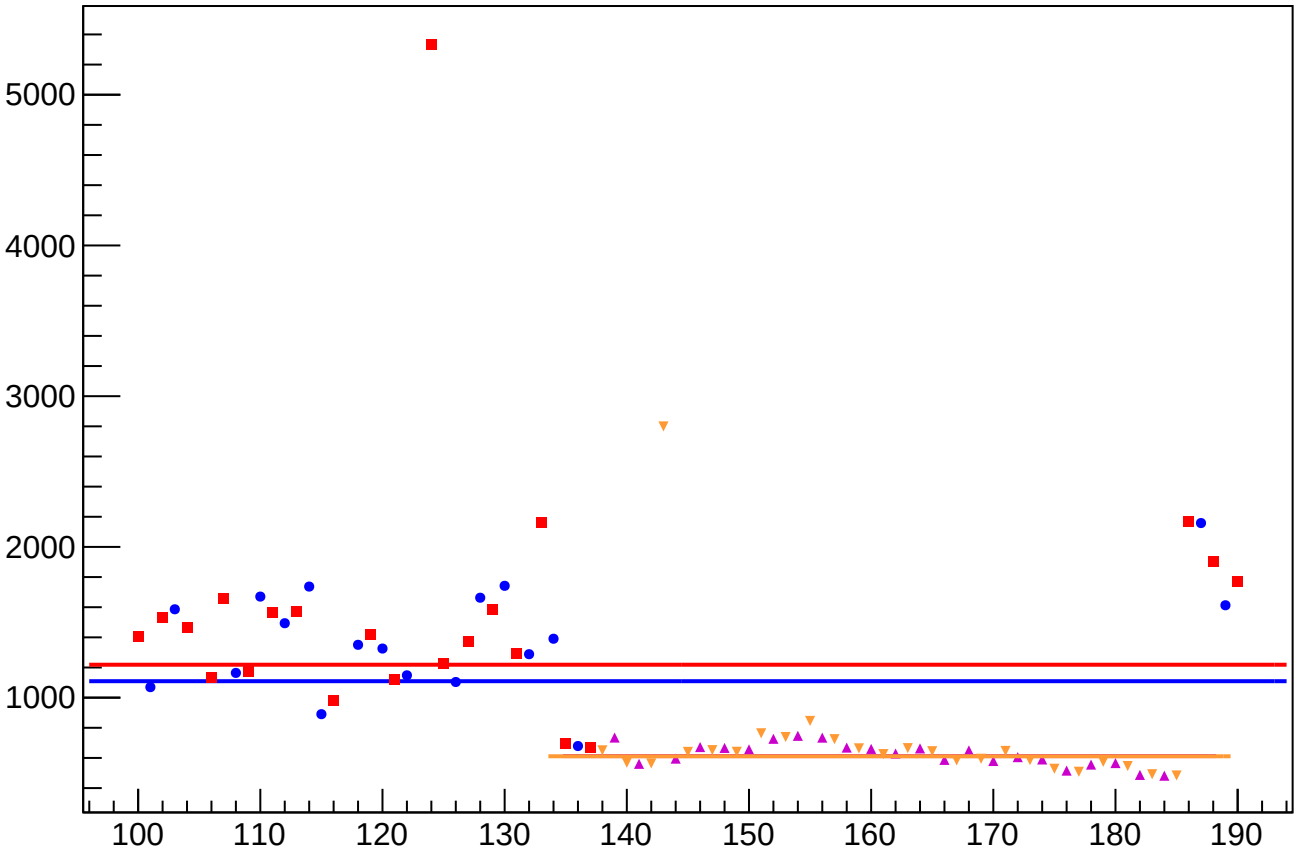
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 225.802+/-298.667 χ^2/NDF: 44.6/39

In: -0.368+/-136.284 χ^2/NDF:52.0/40

Out: 486.057+/-134.910 χ^2/NDF:81.3/46

All: 245.309+/-95.878 χ^2/NDF: 139.7/87



Right In: 1109.155+/-0.294 χ^2/NDF: 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1218.459+/-0.303 χ^2/NDF: 1991993.9/21

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

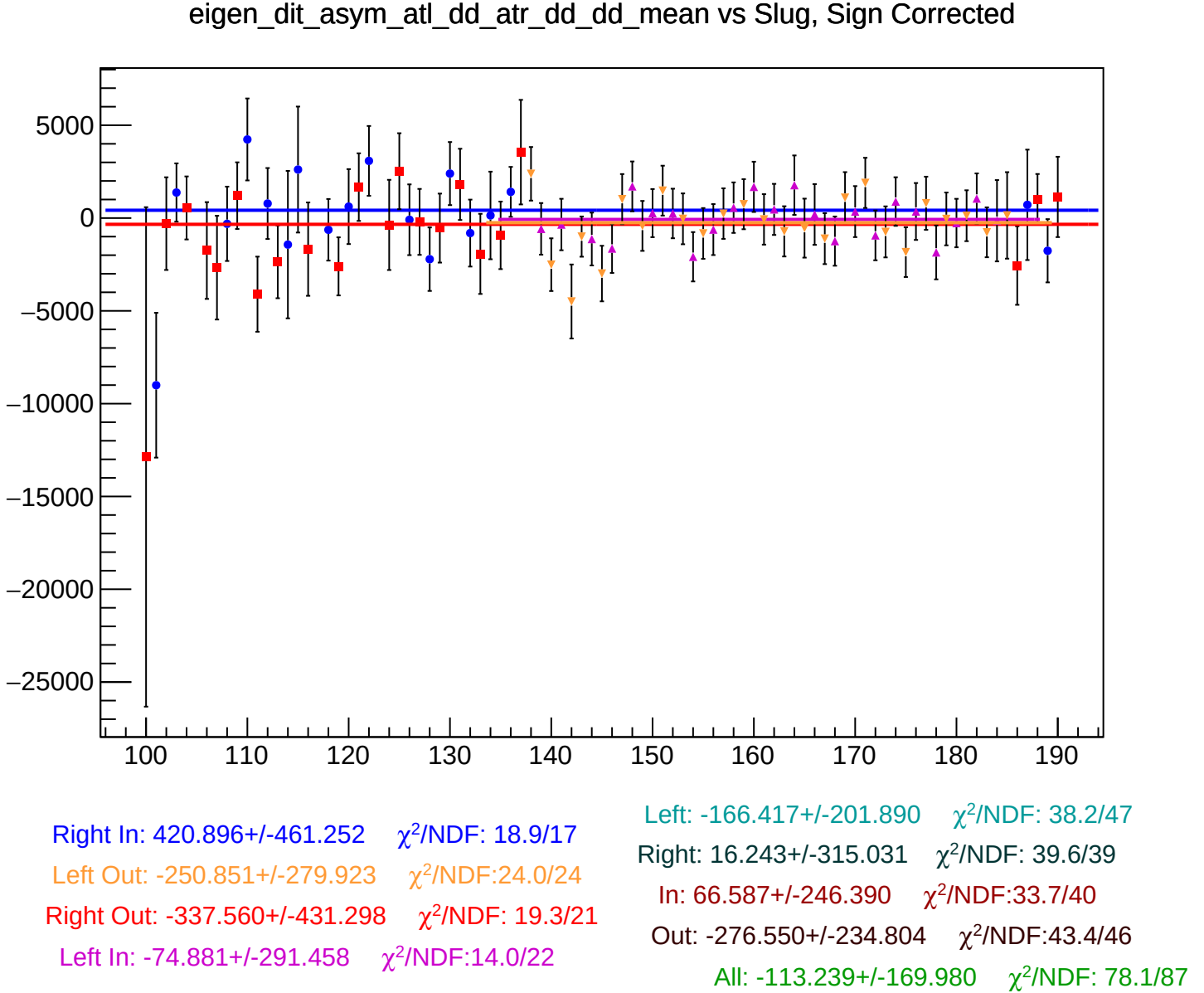
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1162.198+/-0.211 χ^2/NDF: 3616690.0/39

In: 665.638+/-0.096 χ^2/NDF:4608969.5/40

Out: 671.227+/-0.095 χ^2/NDF:7227718.1/46

All: 668.461+/-0.068 χ^2/NDF: 11838386.6/87


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
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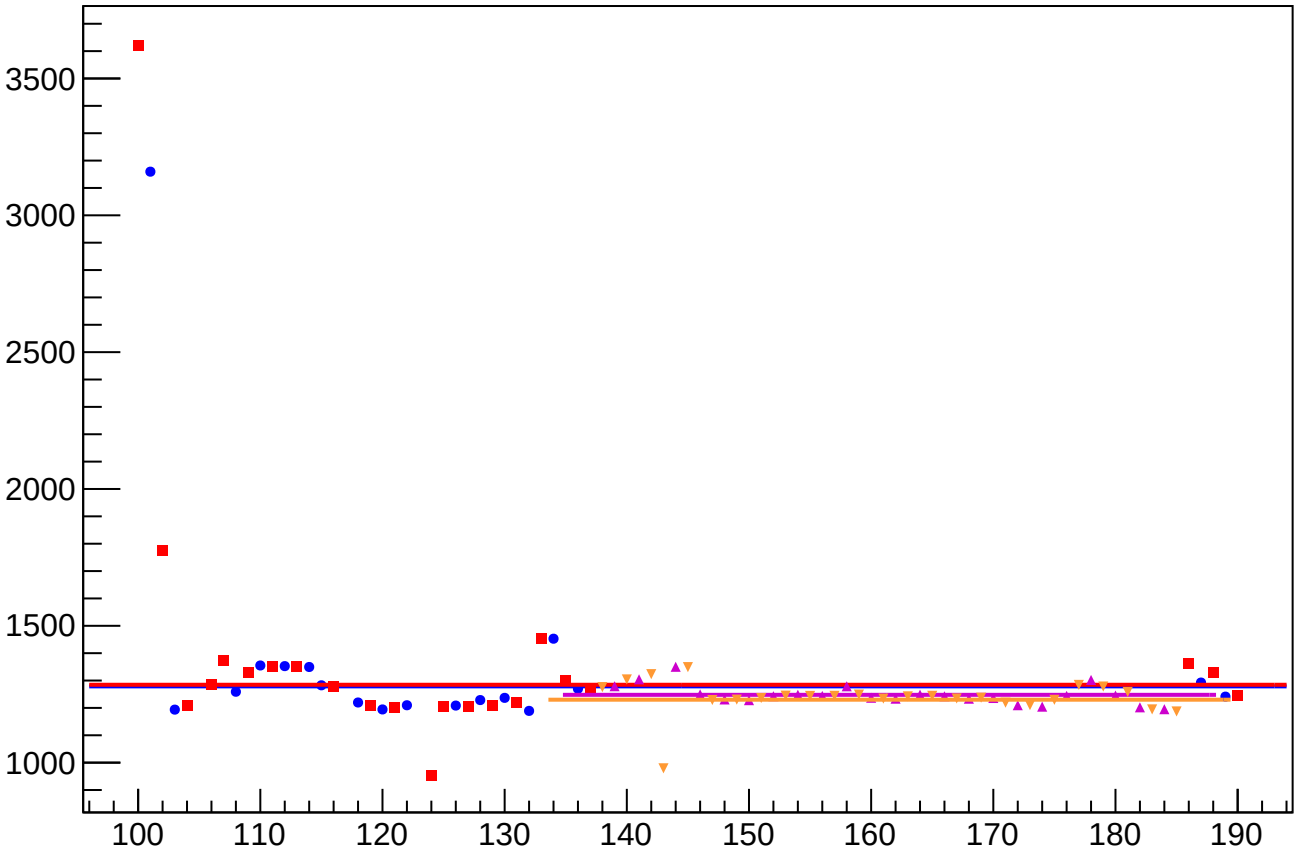
Right In: 420.896+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -337.560+/-431.298 χ²/NDF: 19.3/21
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: 16.243+/-315.031 χ²/NDF: 39.6/39
In: 66.587+/-246.390 χ²/NDF:33.7/40
Out: -276.550+/-234.804 χ²/NDF:43.4/46
All: -113.239+/-169.980 χ²/NDF: 78.1/87



Right In: 1278.697+/-0.326 χ^2/NDF: 508150.0/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1284.593+/-0.305 χ^2/NDF: 226623.4/21

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

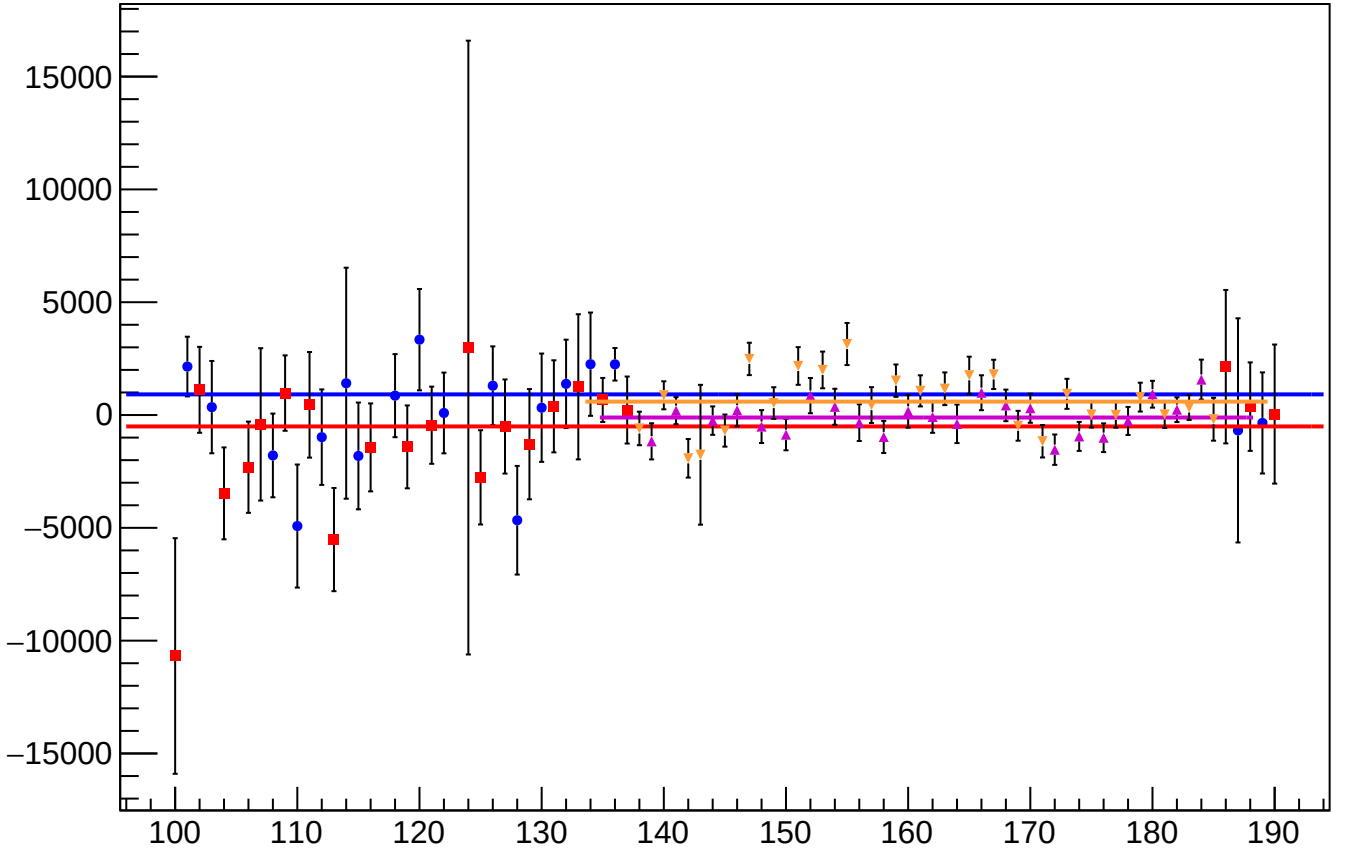
Right: 1281.843+/-0.223 χ^2/NDF: 734947.8/39

In: 1256.606+/-0.174 χ^2/NDF:541910.3/40

Out: 1246.171+/-0.166 χ^2/NDF:390788.7/46

All: 1251.137+/-0.120 χ^2/NDF: 934578.9/87

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -505.249+/-428.738 χ^2/NDF: 18.0/21

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

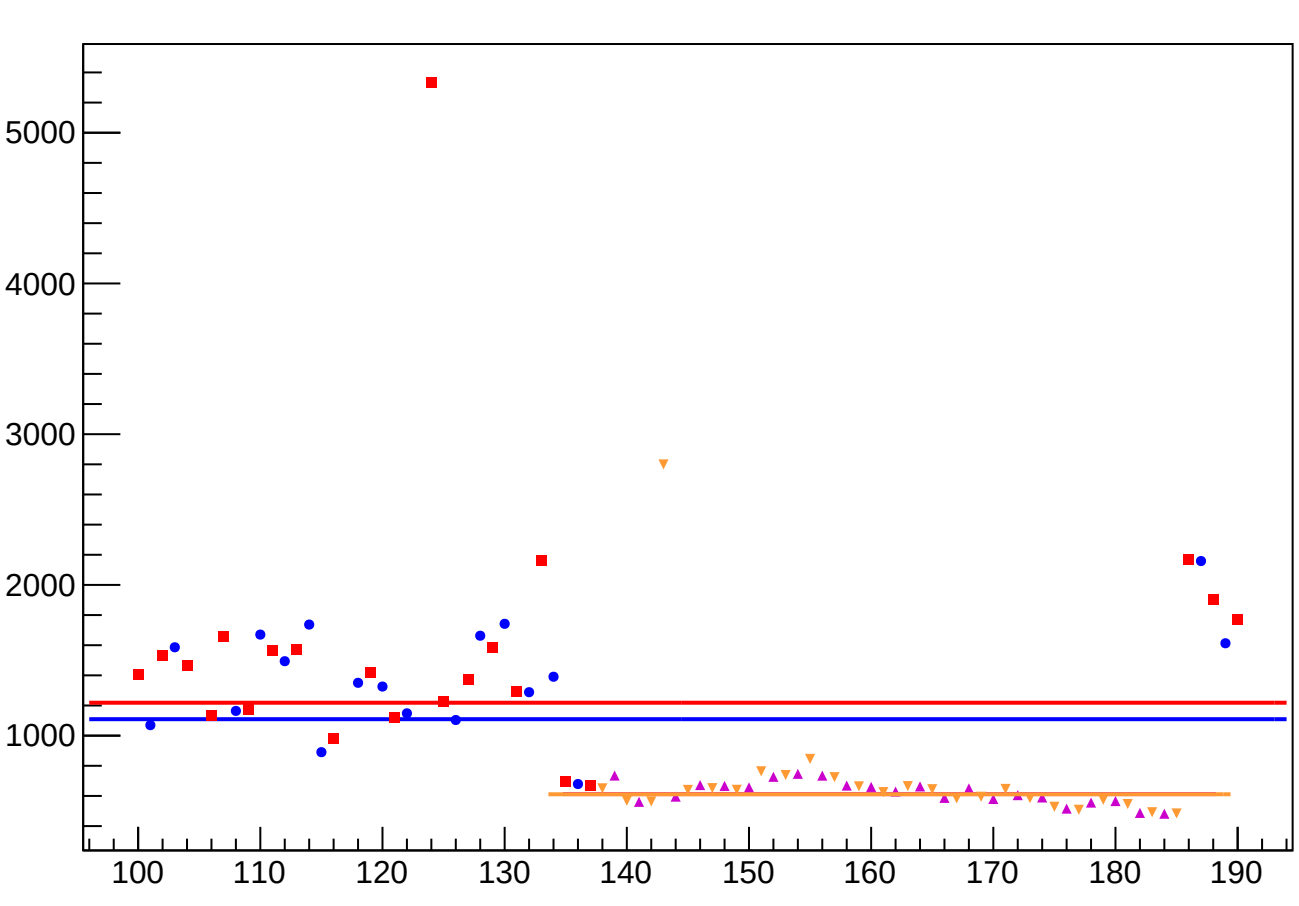
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 225.795+/-298.668 χ^2/NDF: 44.6/39

In: -0.369+/-136.284 χ^2/NDF:52.0/40

Out: 486.057+/-134.910 χ^2/NDF:81.3/46

All: 245.308+/-95.878 χ^2/NDF: 139.7/87


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
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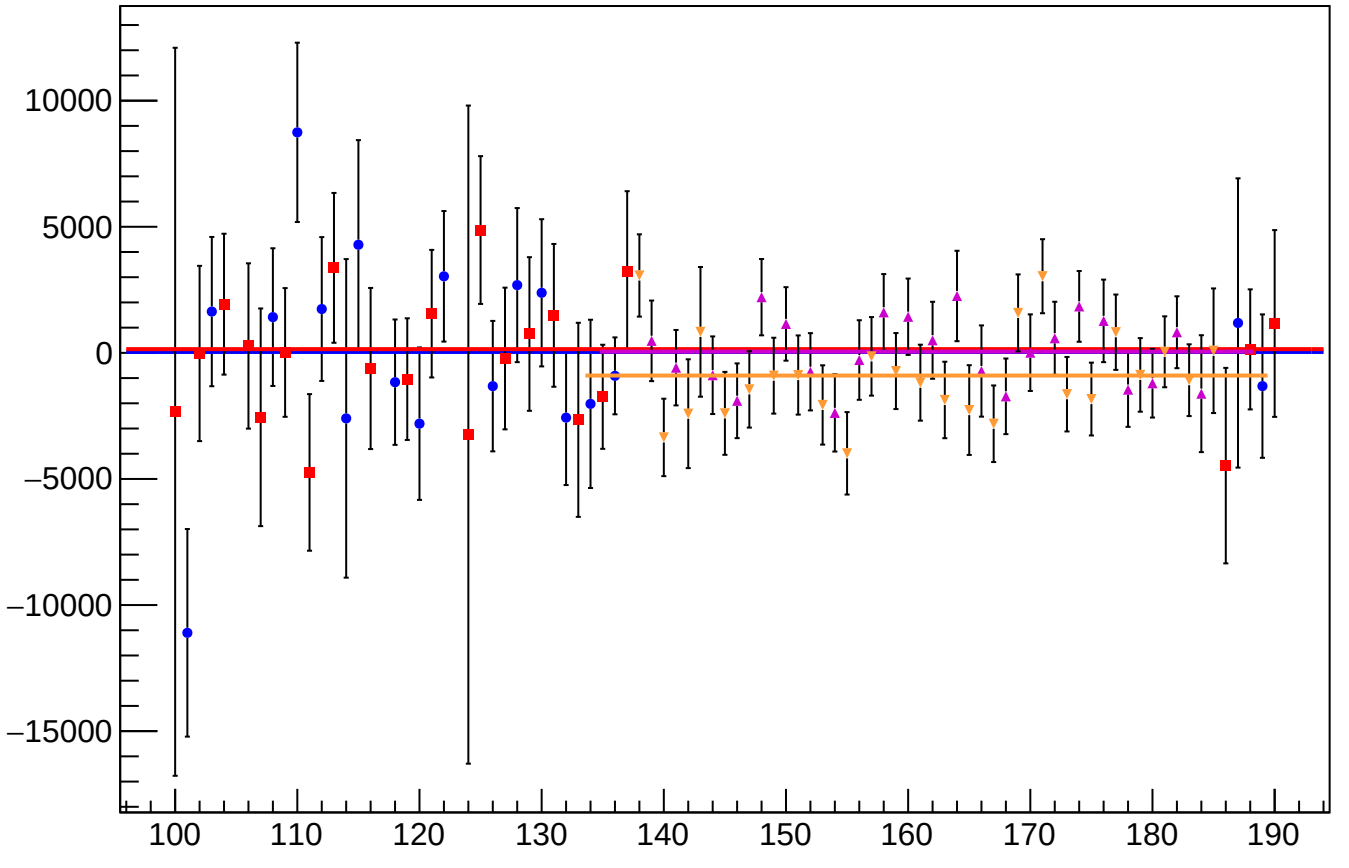
Right In: 1109.161+/-0.294 χ²/NDF: 1557725.6/17
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1218.466+/-0.303 χ²/NDF: 1991934.7/21
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1162.205+/-0.211 χ²/NDF: 3616571.5/39
In: 665.637+/-0.096 χ²/NDF:4608968.0/40
Out: 671.227+/-0.095 χ²/NDF:7227719.3/46
All: 668.460+/-0.068 χ²/NDF: 11838386.5/87



Right In: 35.709+/-674.071 χ^2/NDF: 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 147.669+/-651.172 χ^2/NDF: 11.9/21

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

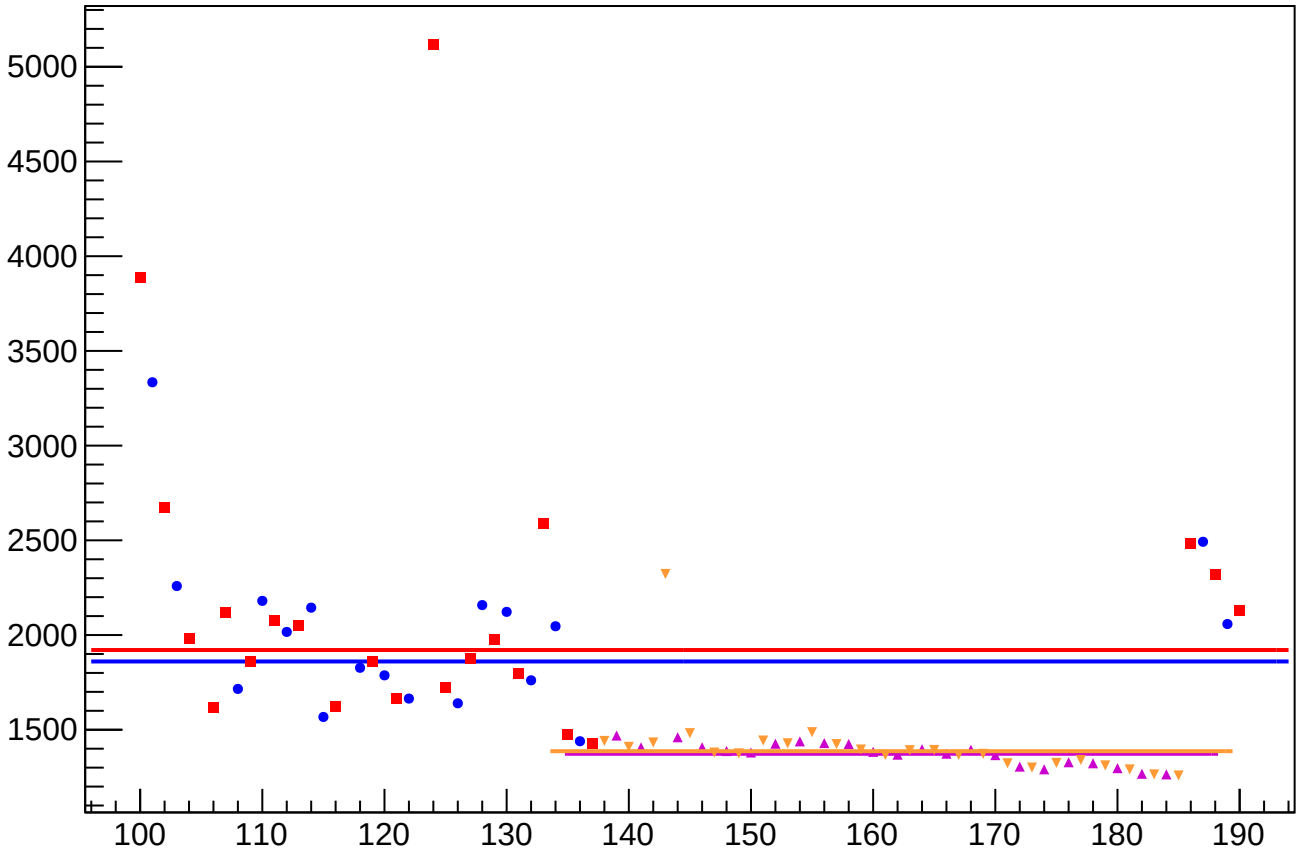
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 93.623+/-468.334 χ^2/NDF: 33.4/39

In: 45.874+/-289.764 χ^2/NDF:39.4/40

Out: -699.761+/-284.620 χ^2/NDF:43.8/46

All: -333.620+/-203.051 χ^2/NDF: 86.6/87



Right In: 1860.446+/-0.477 χ^2/NDF: 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1920.960+/-0.460 χ^2/NDF: 641334.0/21

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

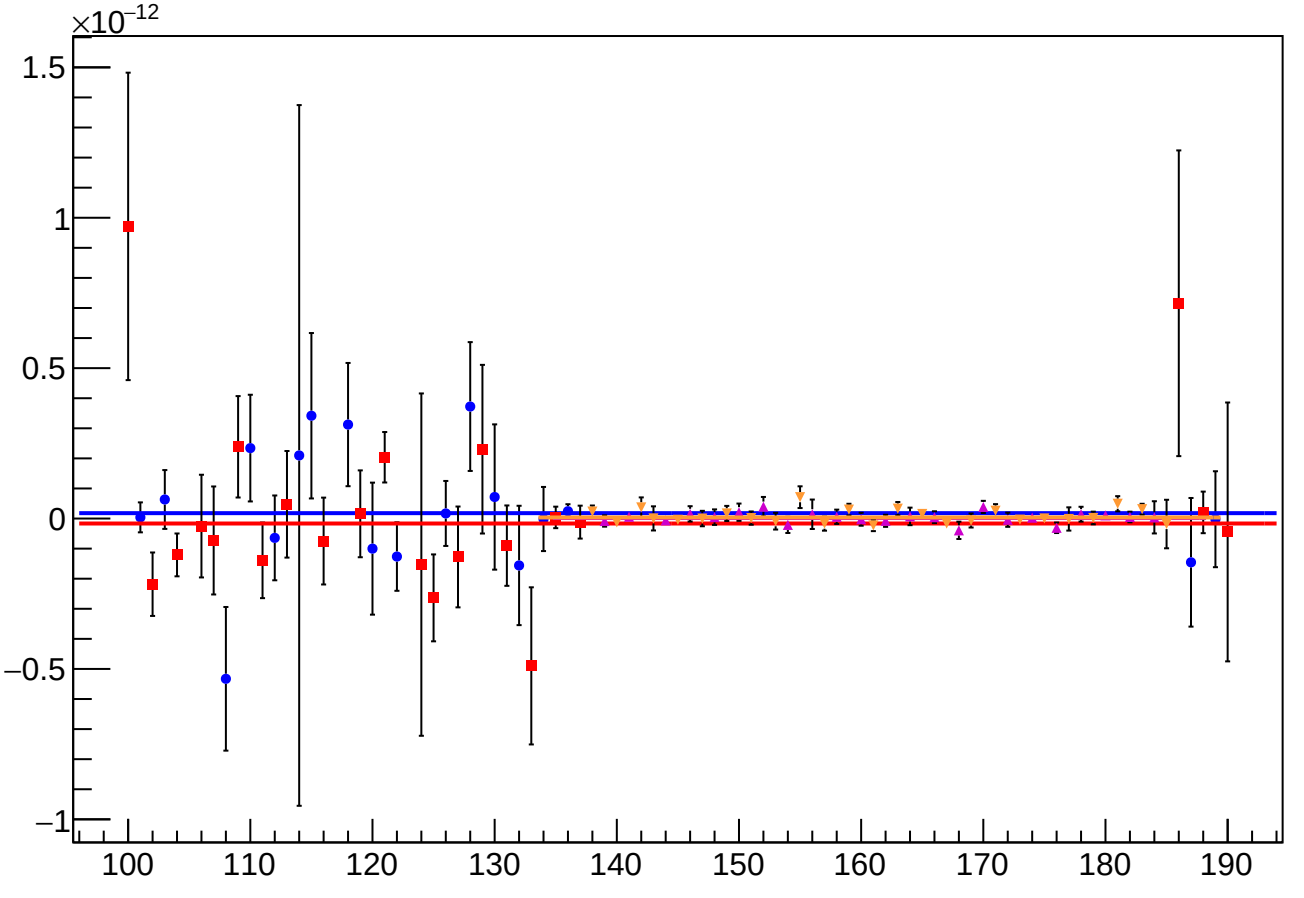
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1891.748+/-0.331 χ^2/NDF: 1242208.0/39

In: 1463.251+/-0.205 χ^2/NDF:1508840.3/40

Out: 1488.887+/-0.201 χ^2/NDF:2069654.0/46

All: 1476.299+/-0.144 χ^2/NDF: 3586461.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/21

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

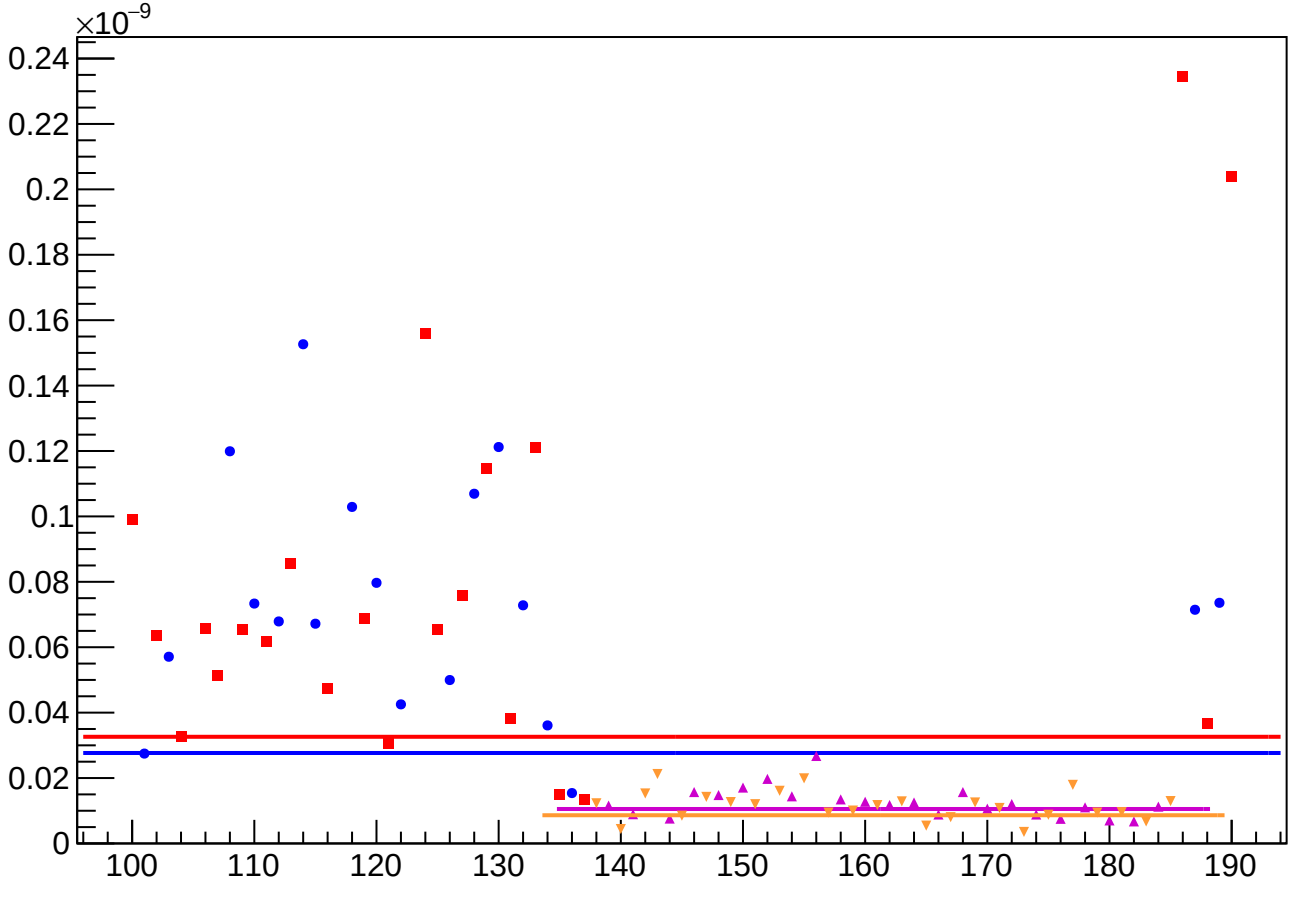
Right: 0.000+/-0.000 χ^2/NDF: 49.2/39

In: 0.000+/-0.000 χ^2/NDF:31.3/40

Out: 0.000+/-0.000 χ^2/NDF:56.3/46

All: 0.000+/-0.000 χ^2/NDF: 87.6/87

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2921849.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

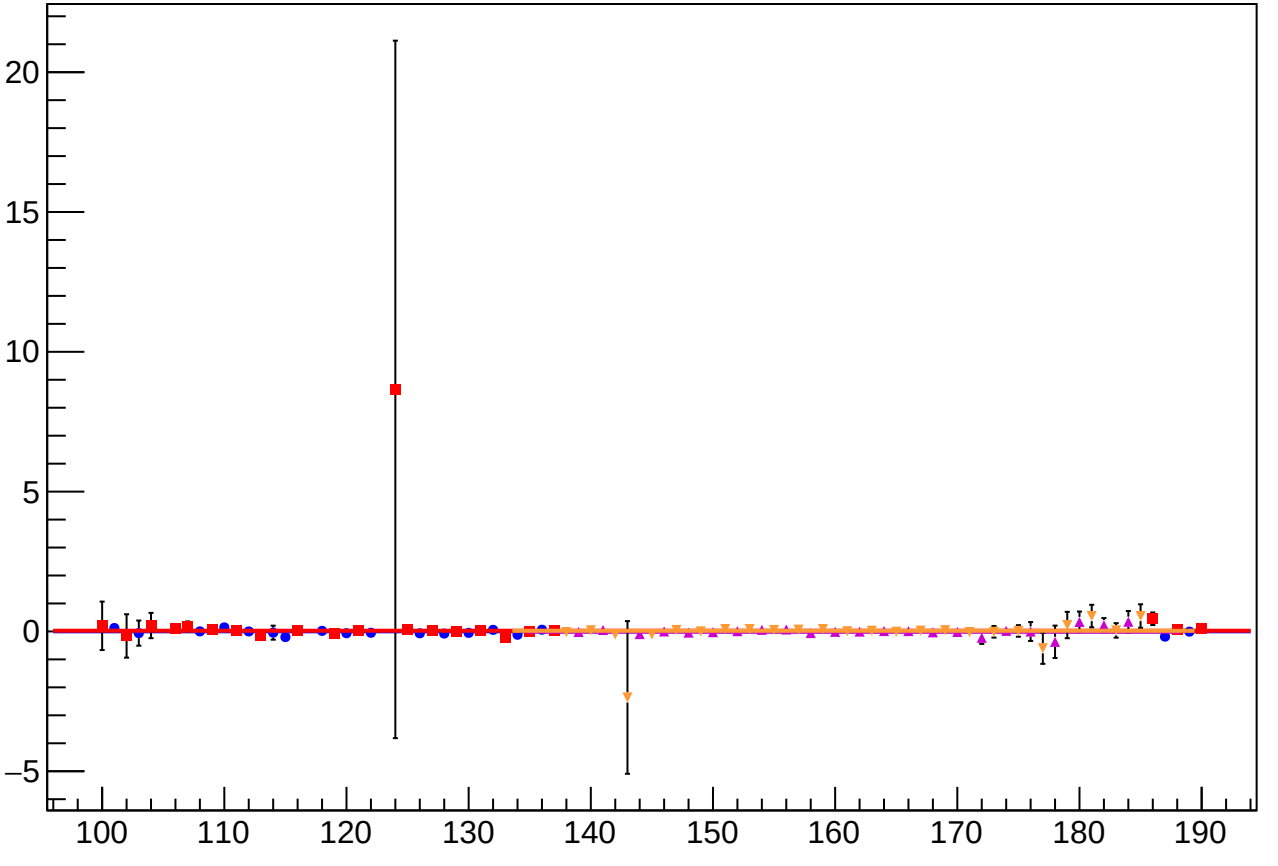
Right: 0.000+/-0.000 χ^2/NDF: 5819403.9/39

In: 0.000+/-0.000 χ^2/NDF:5672958.1/40

Out: 0.000+/-0.000 χ^2/NDF:7557048.6/46

All: 0.000+/-0.000 χ^2/NDF: 13493534.0/87

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

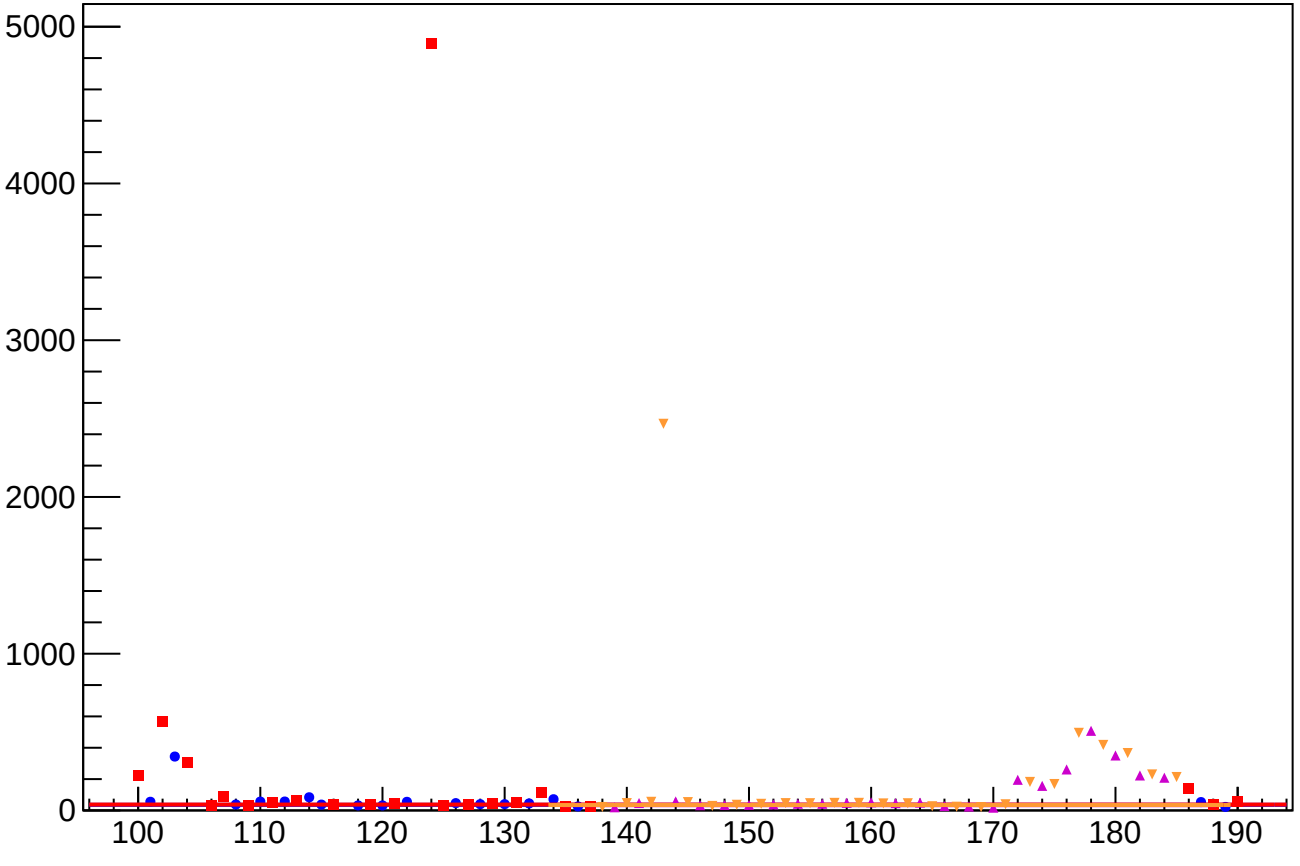
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.603+/-0.011 χ^2/NDF: 3709042.0/21

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

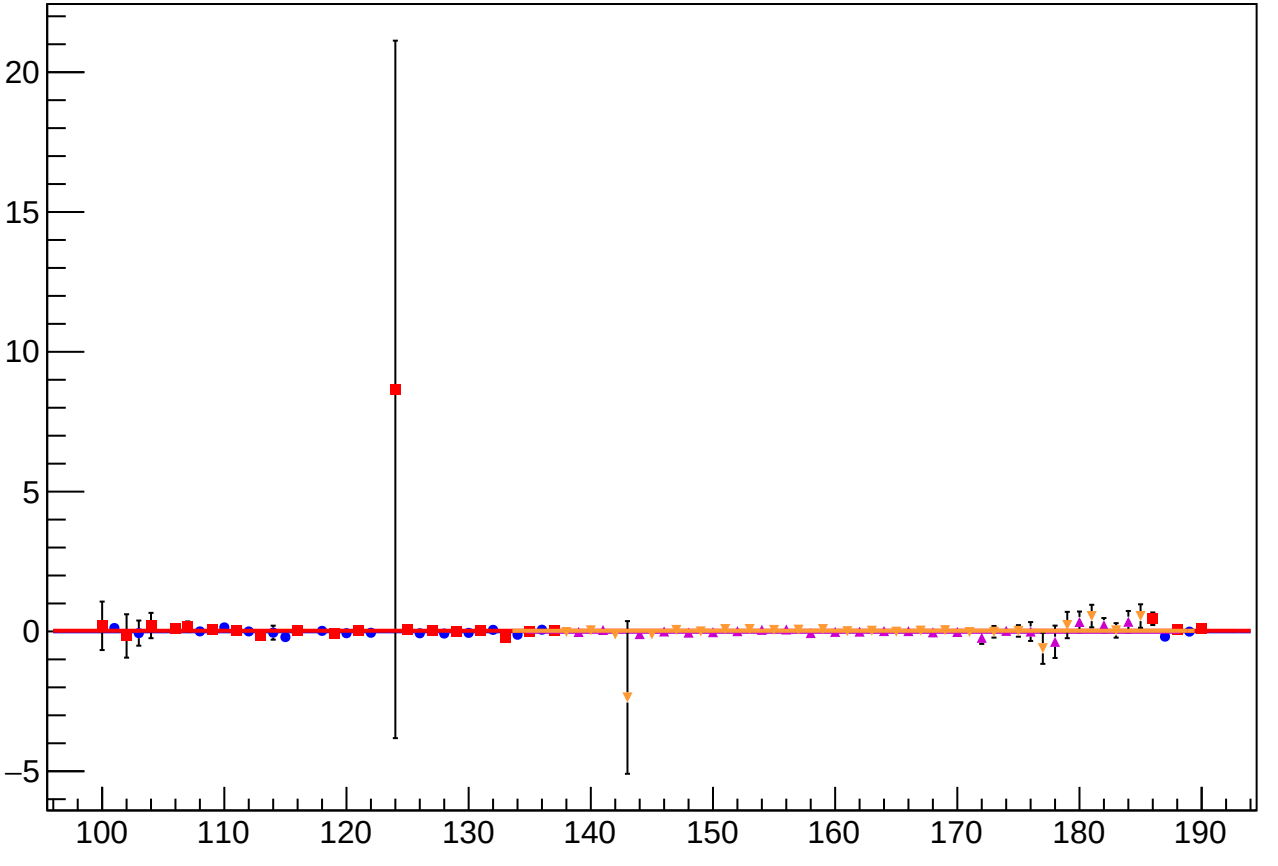
Right: 36.661+/-0.008 χ^2/NDF: 5977457.5/39

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164498.8/46

All: 34.889+/-0.004 χ^2/NDF: 27538347.7/87

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

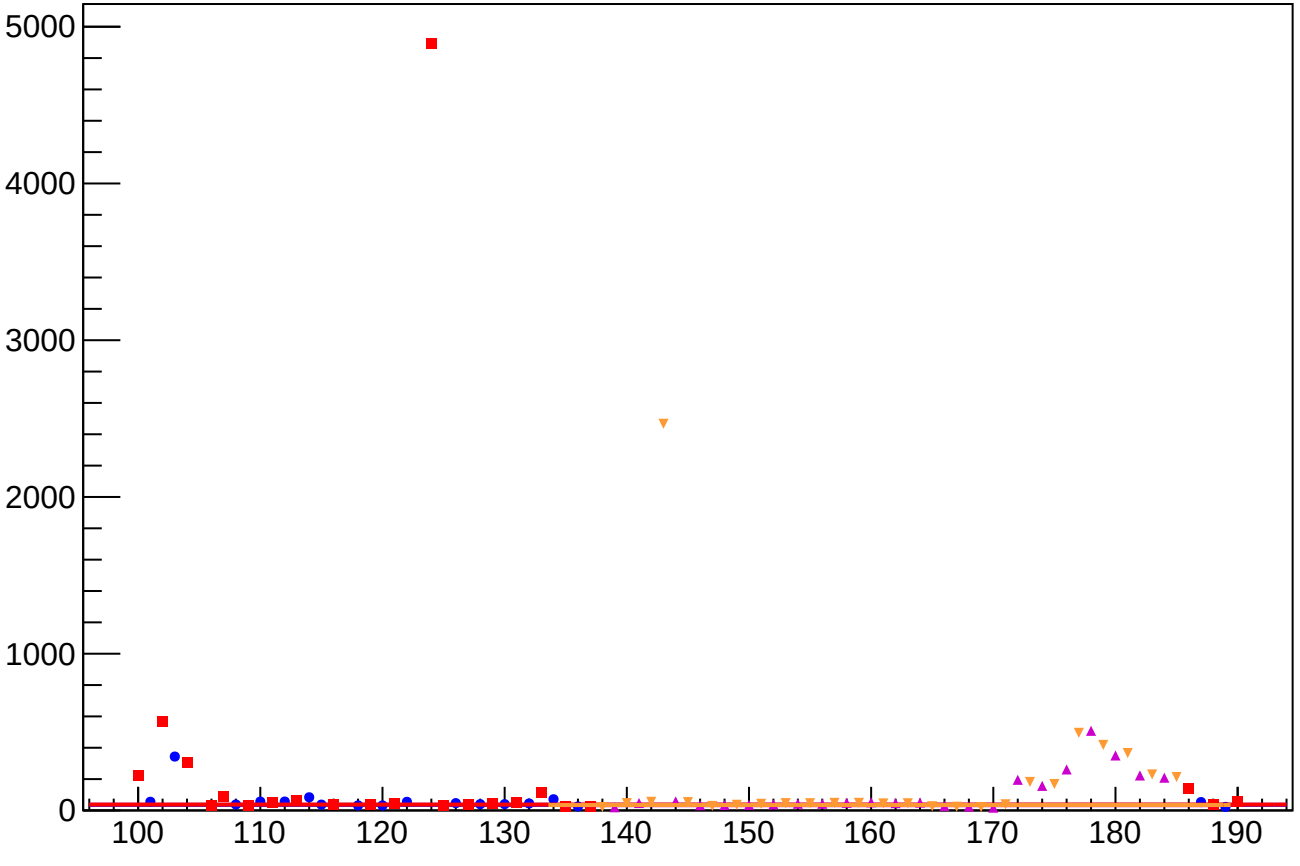
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.603+/-0.011 χ^2/NDF: 3709042.0/21

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

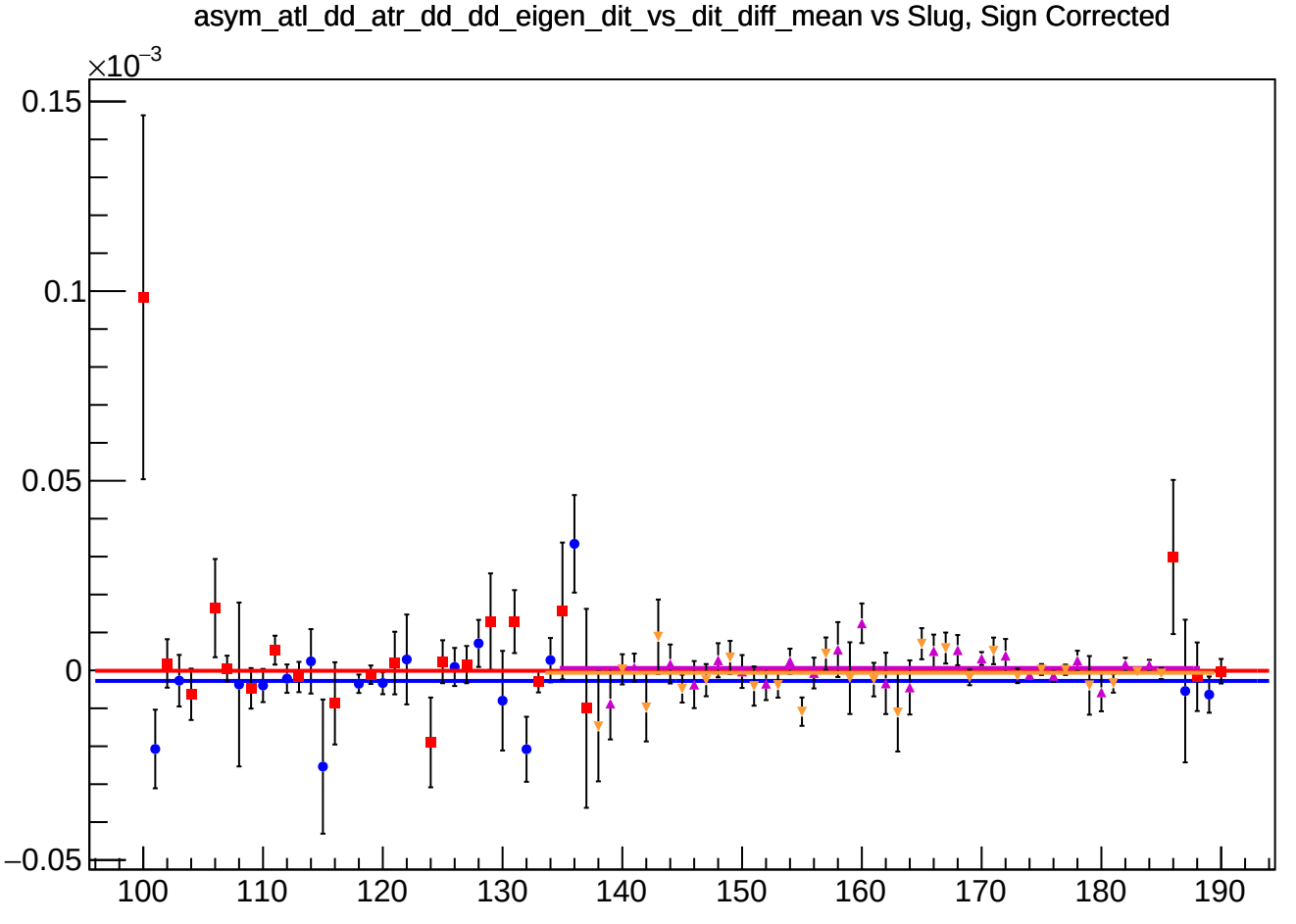
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.661+/-0.008 χ^2/NDF: 5977457.5/39

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164498.8/46

All: 34.889+/-0.004 χ^2/NDF: 27538347.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/21

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

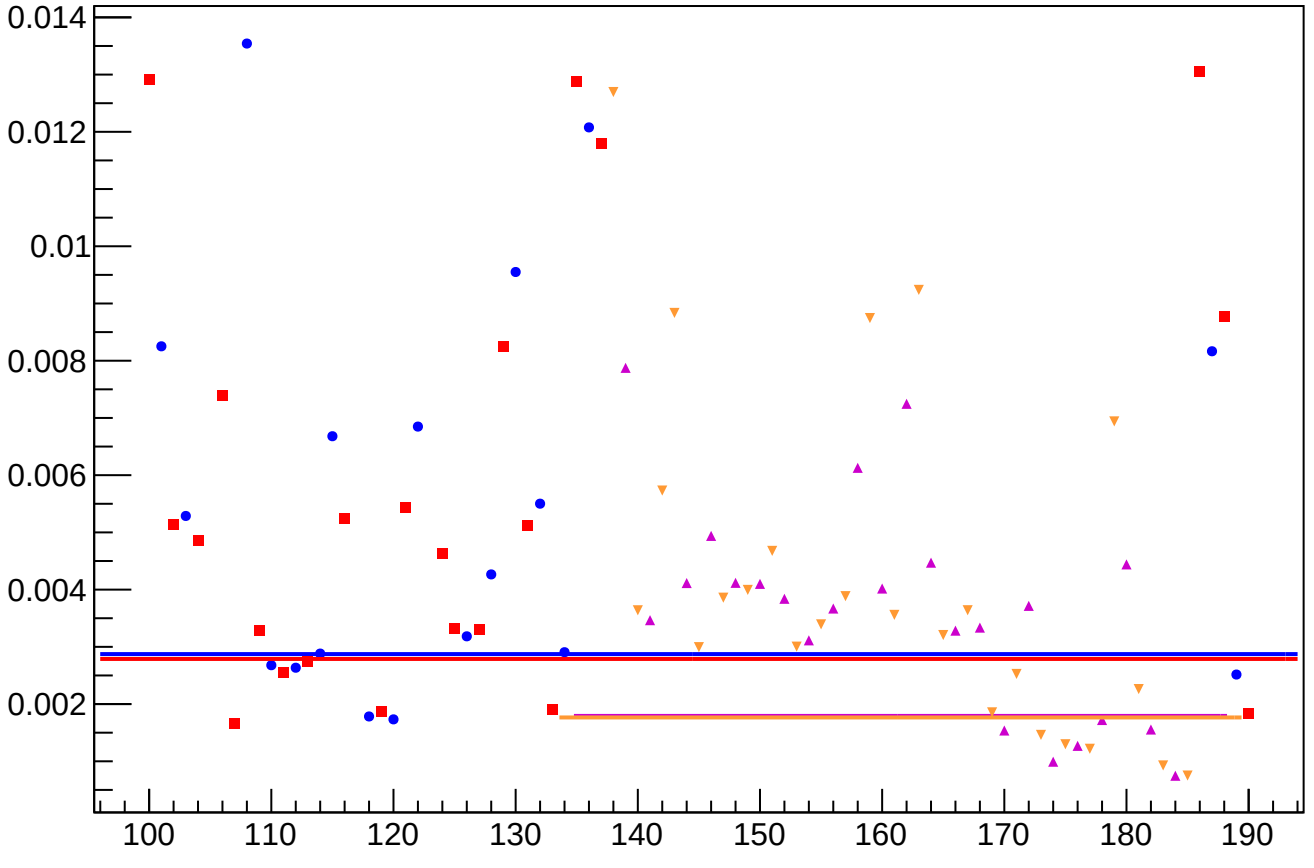
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.1/39

In: 0.000+/-0.000 χ^2/NDF:50.6/40

Out: -0.000+/-0.000 χ^2/NDF:49.7/46

All: -0.000+/-0.000 χ^2/NDF: 101.2/87



Right In: 0.003+/-0.000 χ^2/NDF: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4873655.6/21

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

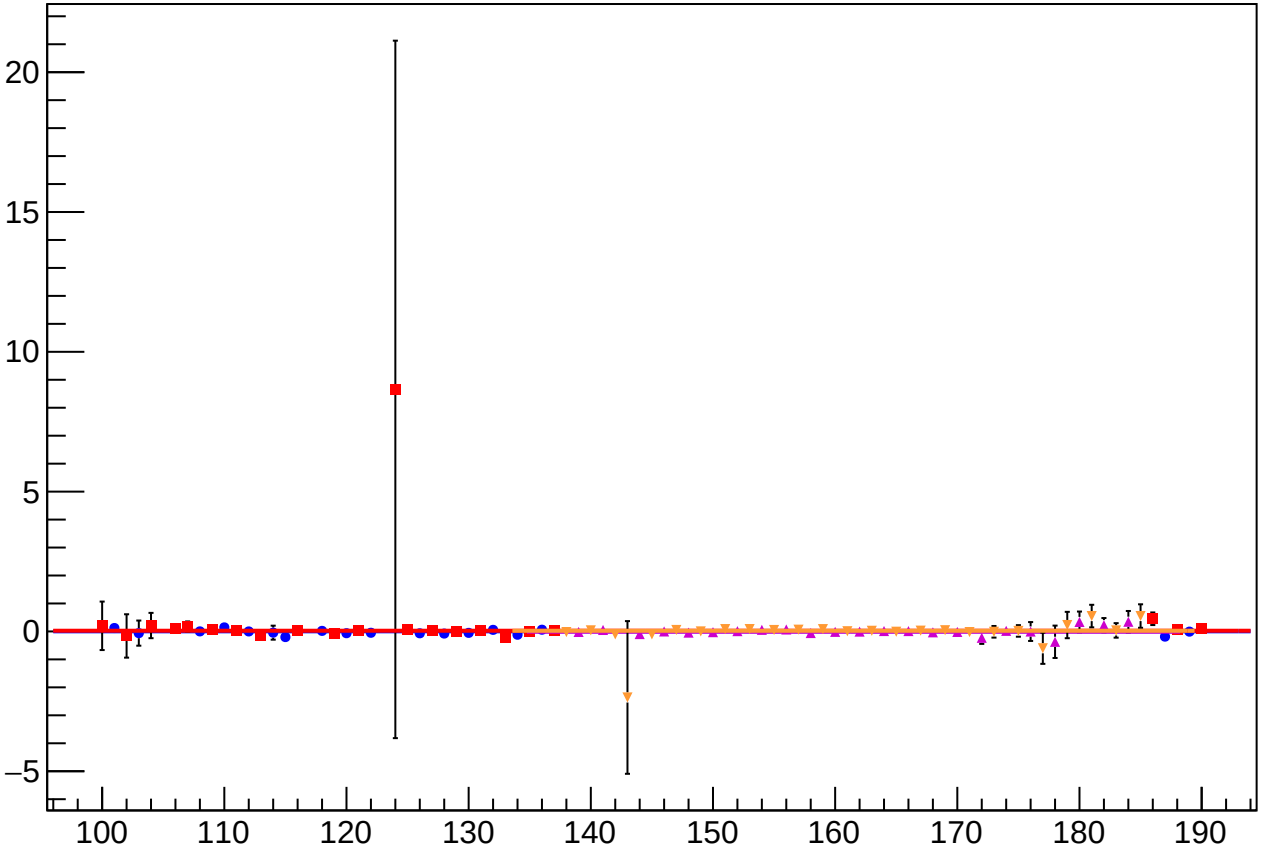
Right: 0.003+/-0.000 χ^2/NDF: 9200453.8/39

In: 0.002+/-0.000 χ^2/NDF:16333267.1/40

Out: 0.002+/-0.000 χ^2/NDF:19232762.6/46

All: 0.002+/-0.000 χ^2/NDF: 35566857.8/87

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

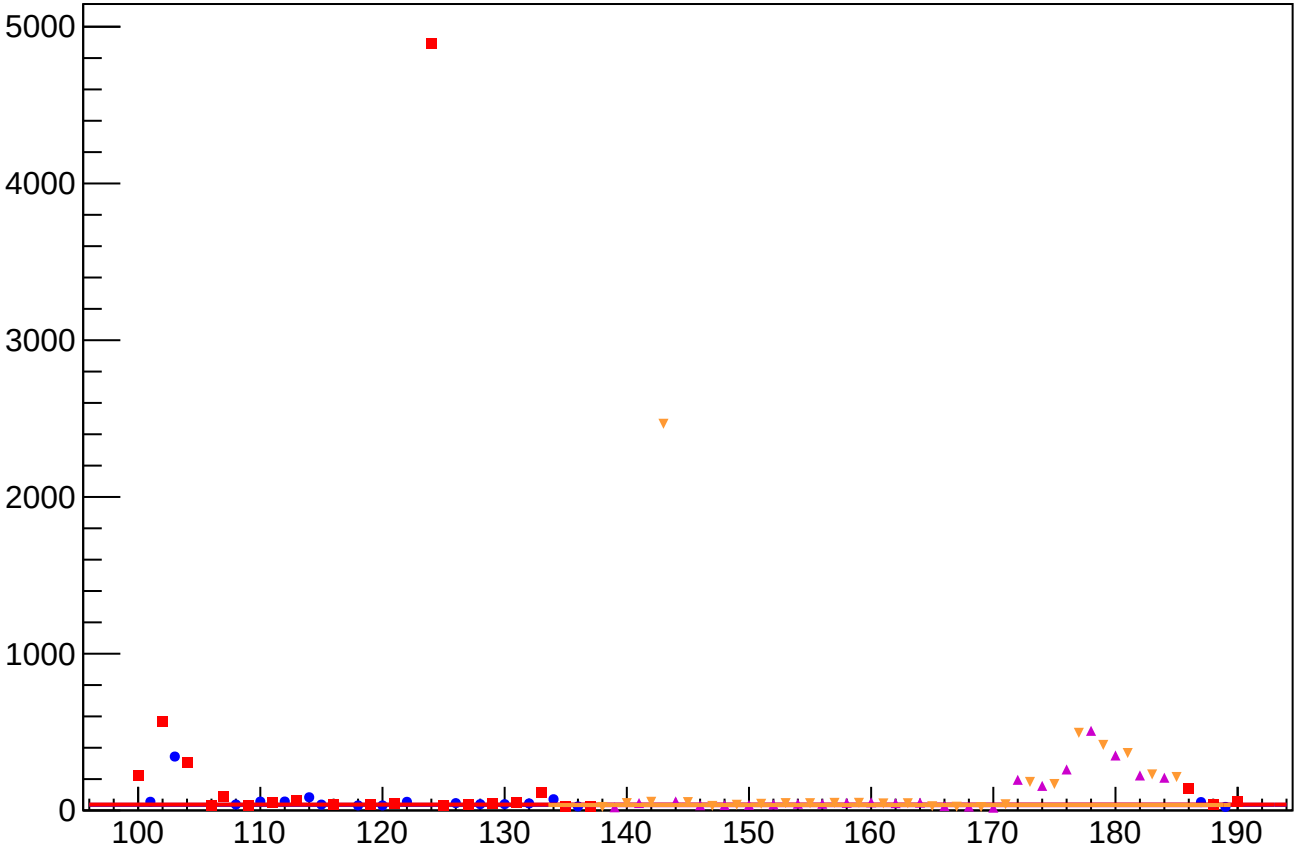
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.605+/-0.011 χ^2/NDF: 3708716.7/21

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

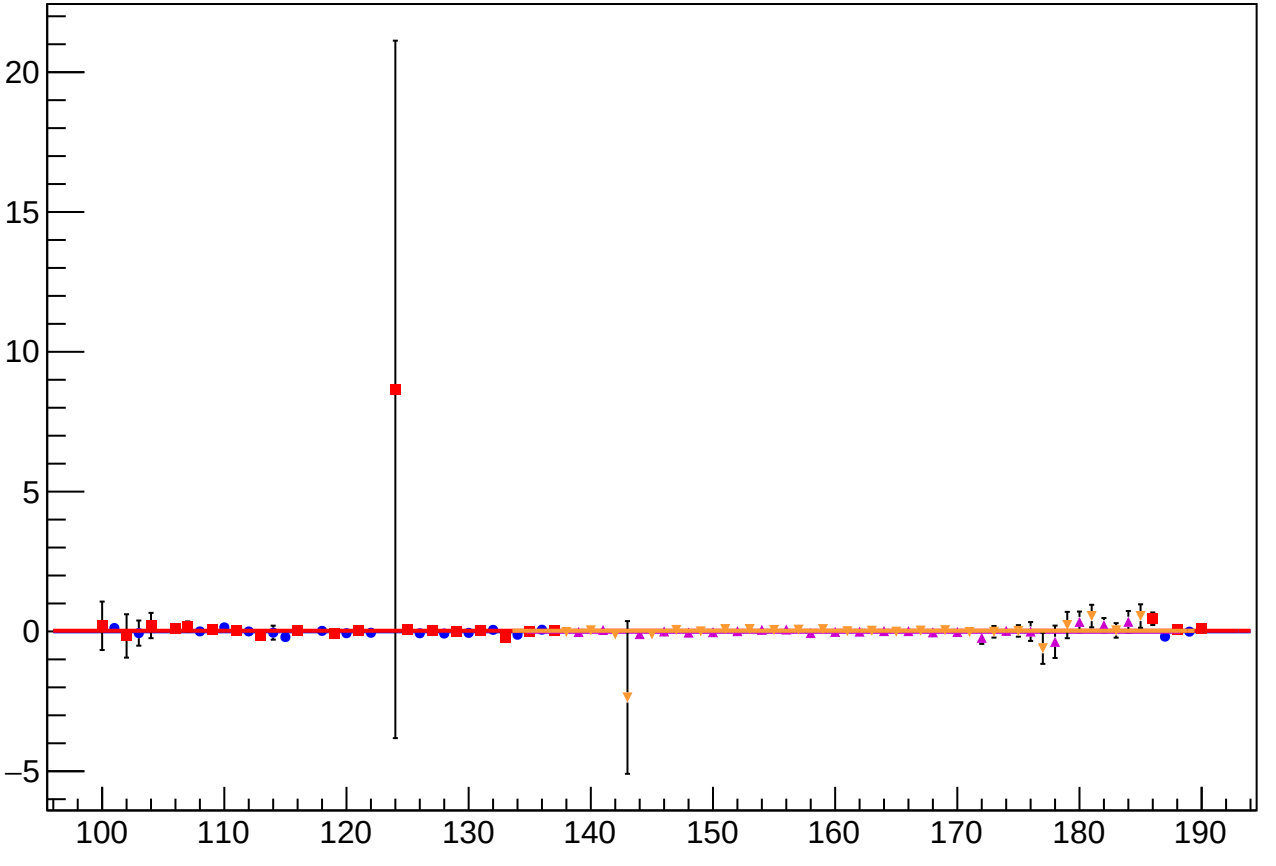
Right: 36.664+/-0.008 χ^2/NDF: 5976388.6/39

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164389.6/46

All: 34.891+/-0.004 χ^2/NDF: 27536194.6/87

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

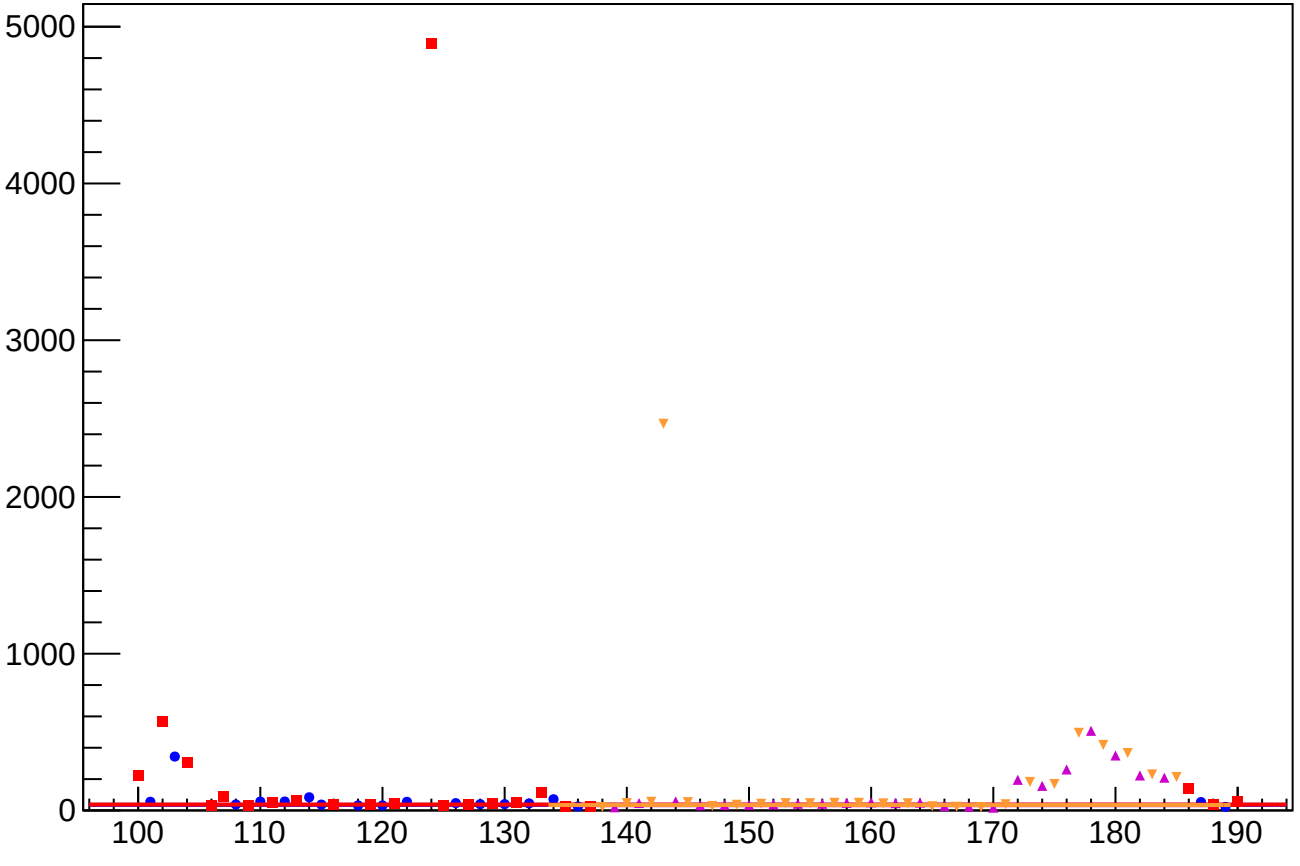
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.605+/-0.011 χ^2/NDF: 3708716.7/21

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

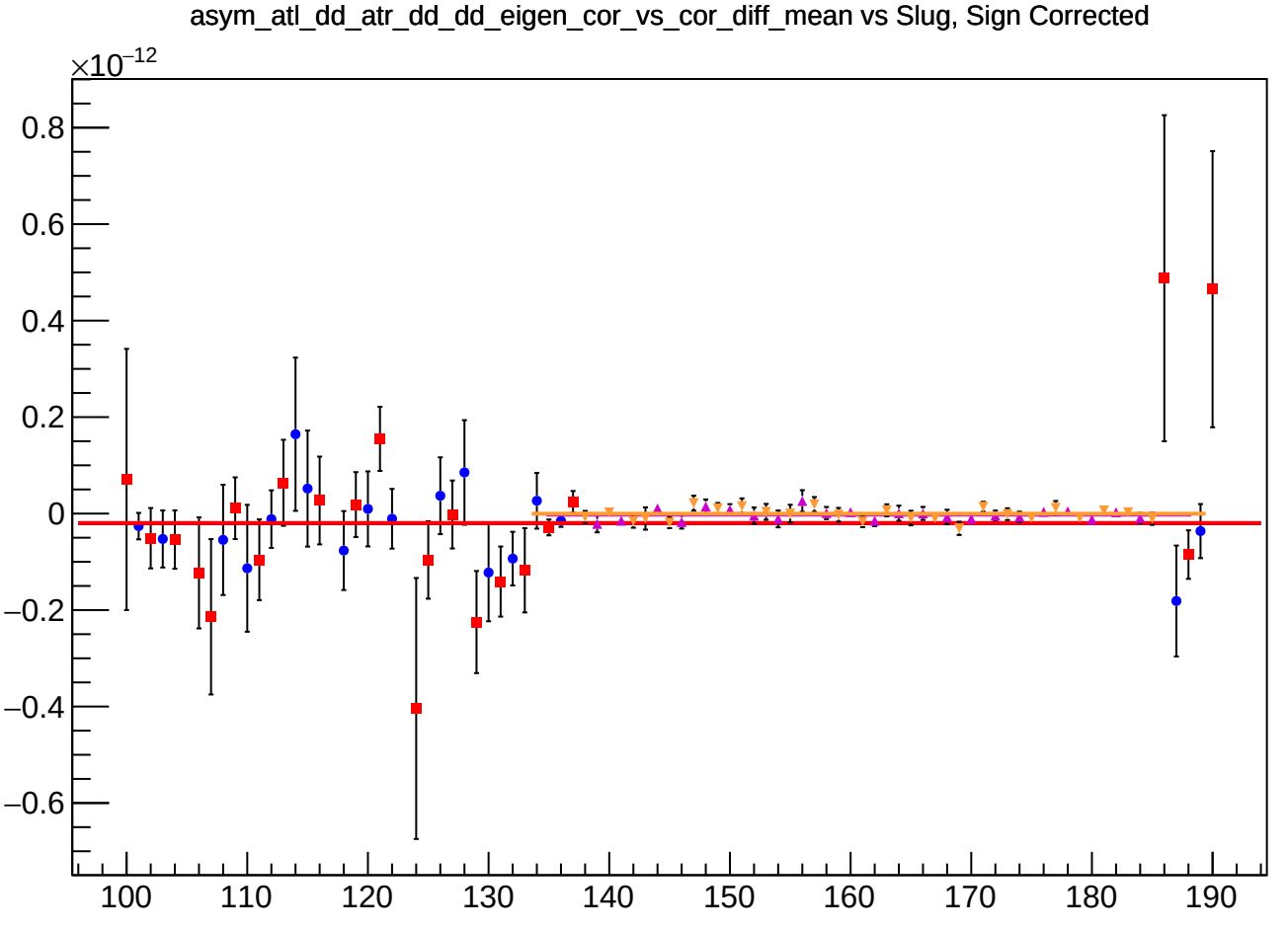
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

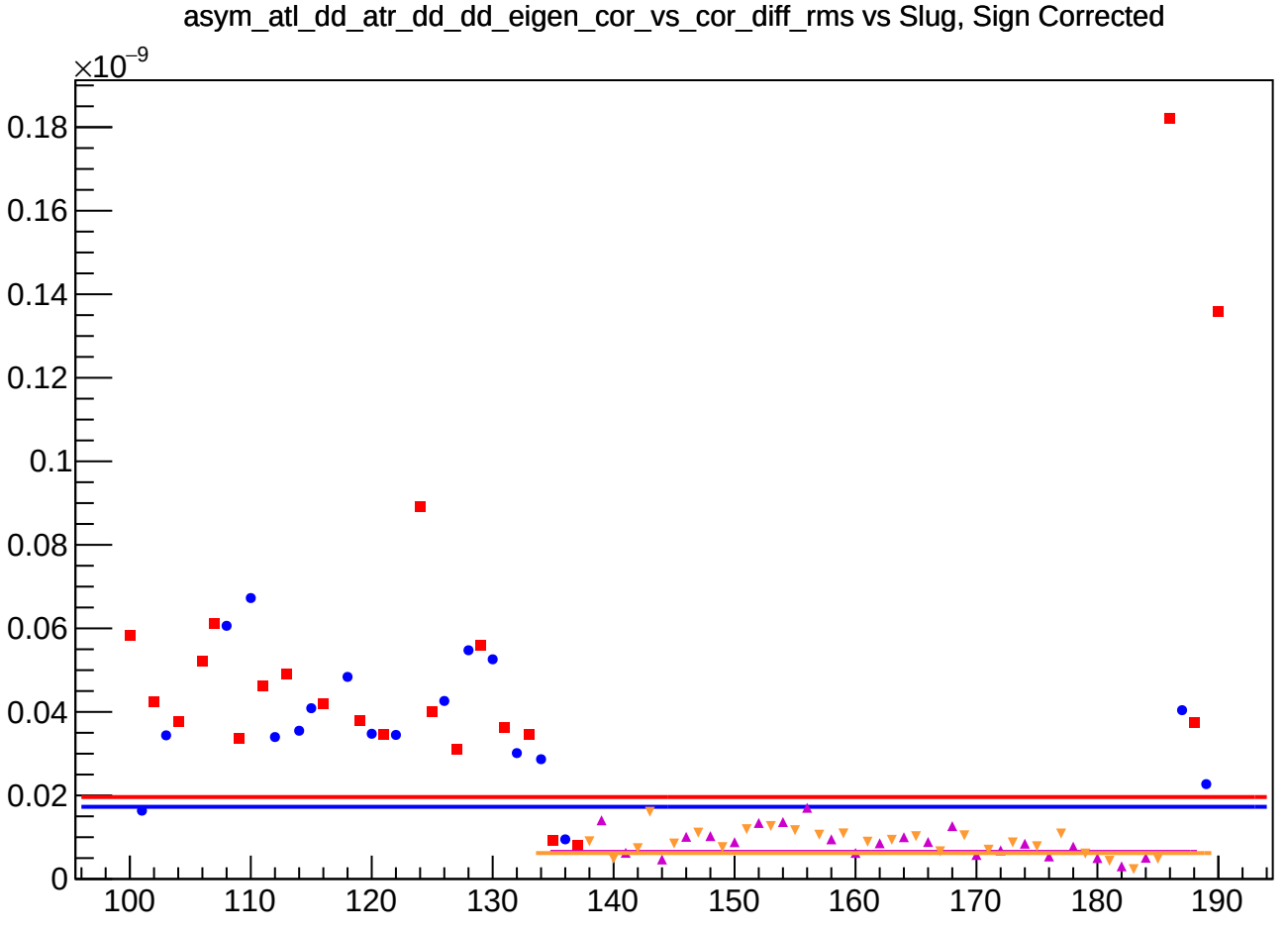
Right: 36.664+/-0.008 χ^2/NDF: 5976388.6/39

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164389.6/46

All: 34.891+/-0.004 χ^2/NDF: 27536194.6/87


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.1/21
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: 44.5/39
In: -0.000+/-0.000 χ²/NDF:33.6/40
Out: -0.000+/-0.000 χ²/NDF:63.3/46
All: -0.000+/-0.000 χ²/NDF: 97.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 3310003.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4741907.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

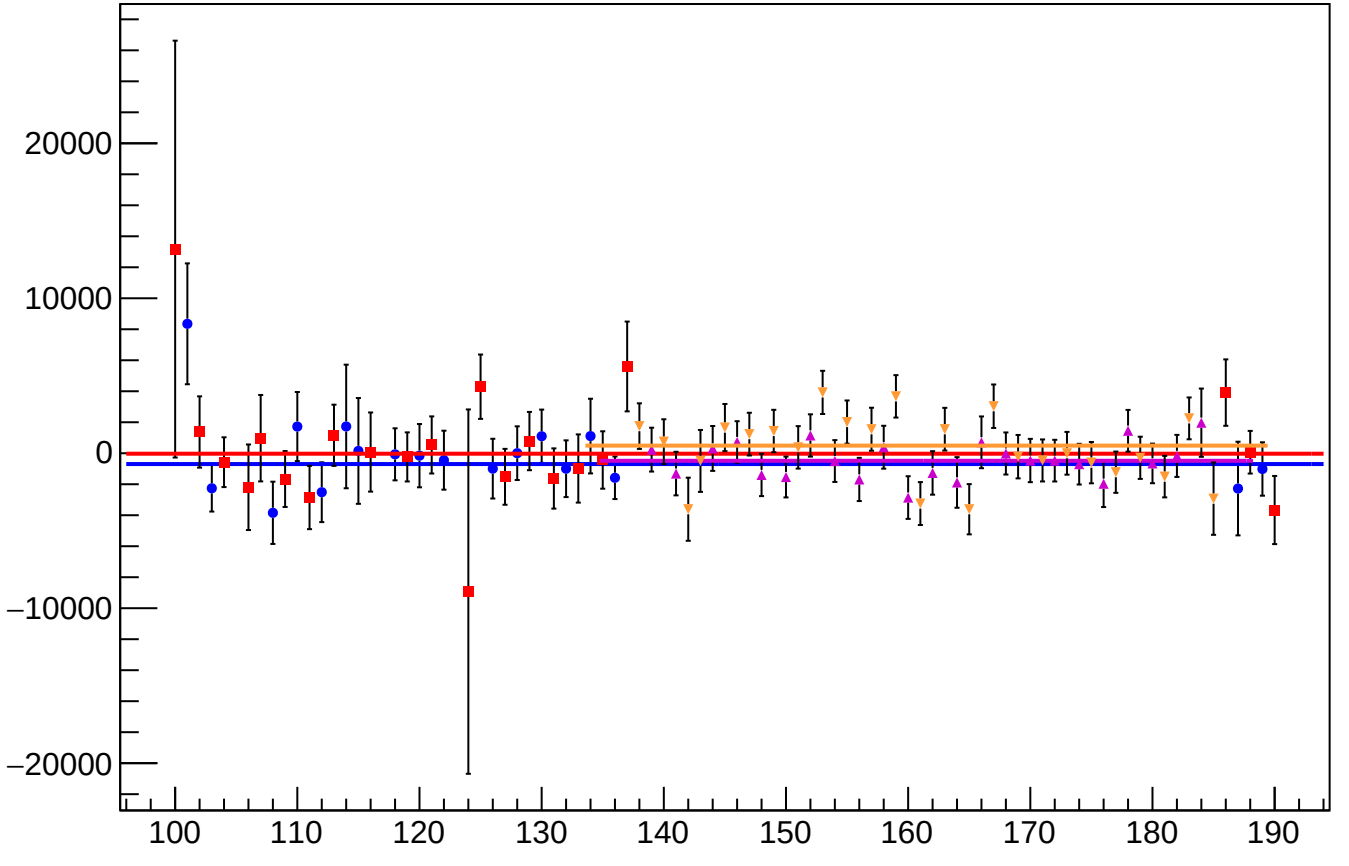
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8103787.3/39

In: 0.000+/-0.000 χ^2/NDF:9661973.0/40

Out: 0.000+/-0.000 χ^2/NDF:12815239.0/46

All: 0.000+/-0.000 χ^2/NDF: 22502864.6/87



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -30.143+/-440.413 χ^2/NDF: 22.0/21

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

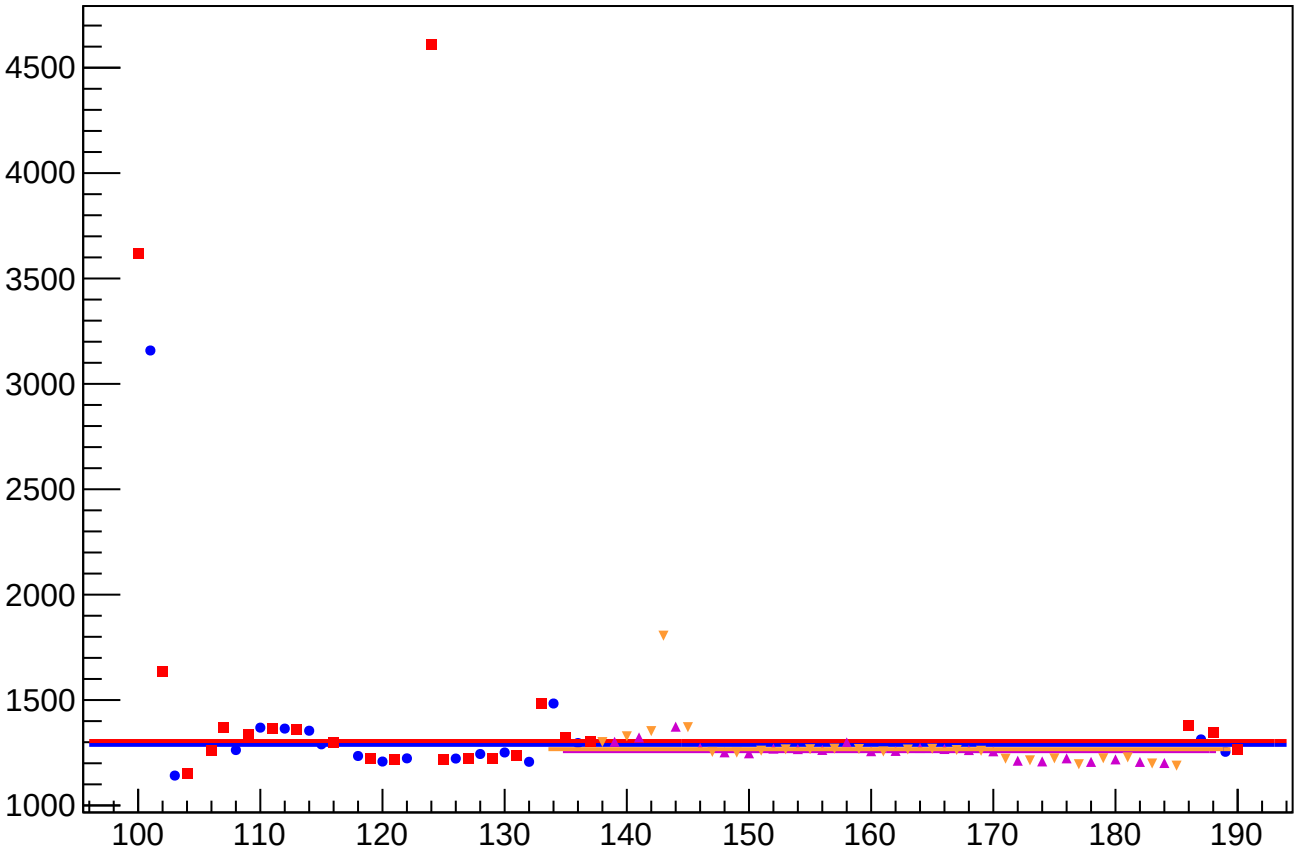
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -346.313+/-319.599 χ^2/NDF: 37.3/39

In: -547.163+/-248.284 χ^2/NDF:28.8/40

Out: 335.266+/-241.328 χ^2/NDF:69.9/46

All: -93.414+/-173.051 χ^2/NDF: 105.2/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1305.601+/-0.311 χ^2/NDF: 324540.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

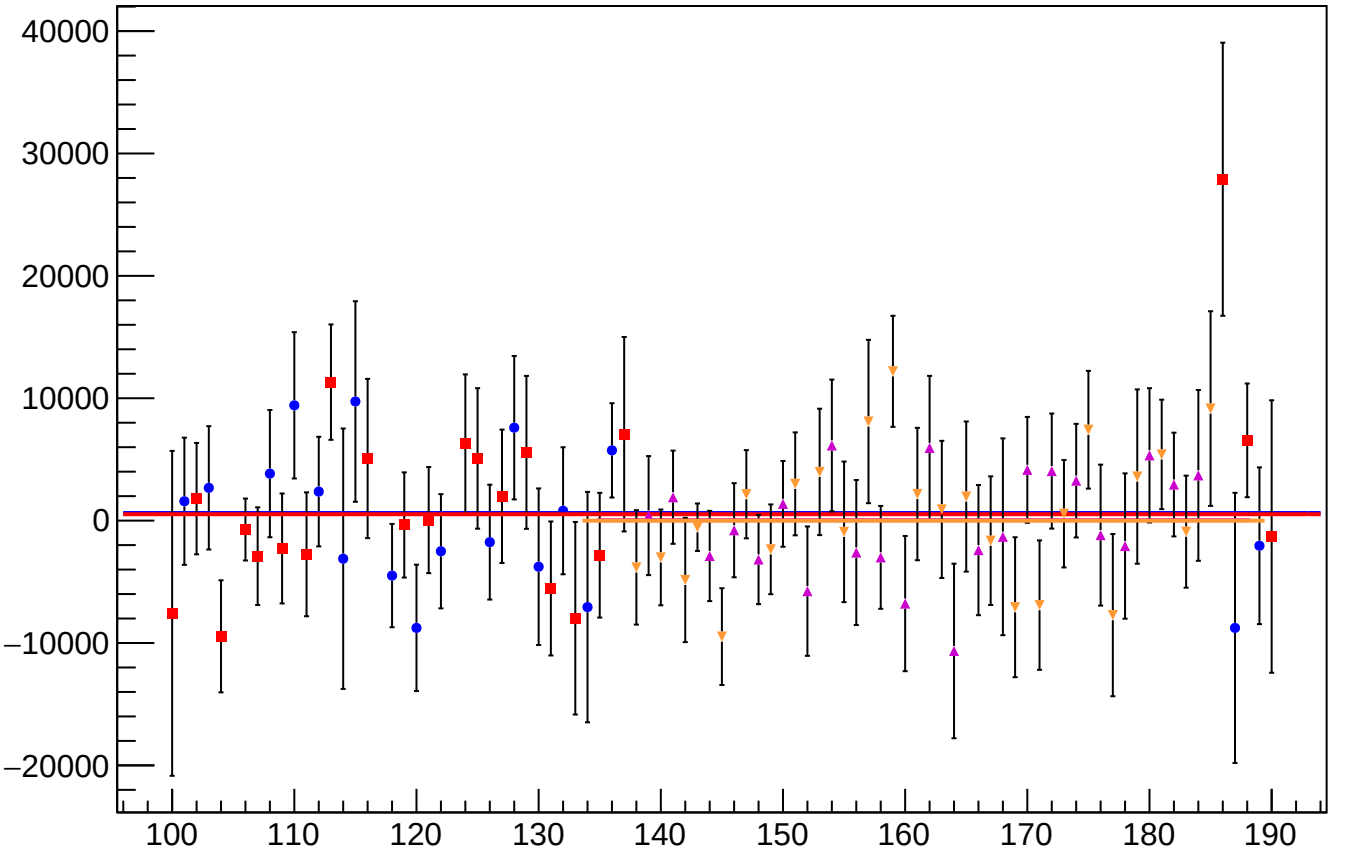
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.041+/-0.226 χ^2/NDF: 841737.9/39

In: 1266.101+/-0.176 χ^2/NDF:558336.5/40

Out: 1278.602+/-0.171 χ^2/NDF:522887.5/46

All: 1272.533+/-0.122 χ^2/NDF: 1083832.8/87



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 521.331+/-1070.574 χ^2/NDF: 26.4/21

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

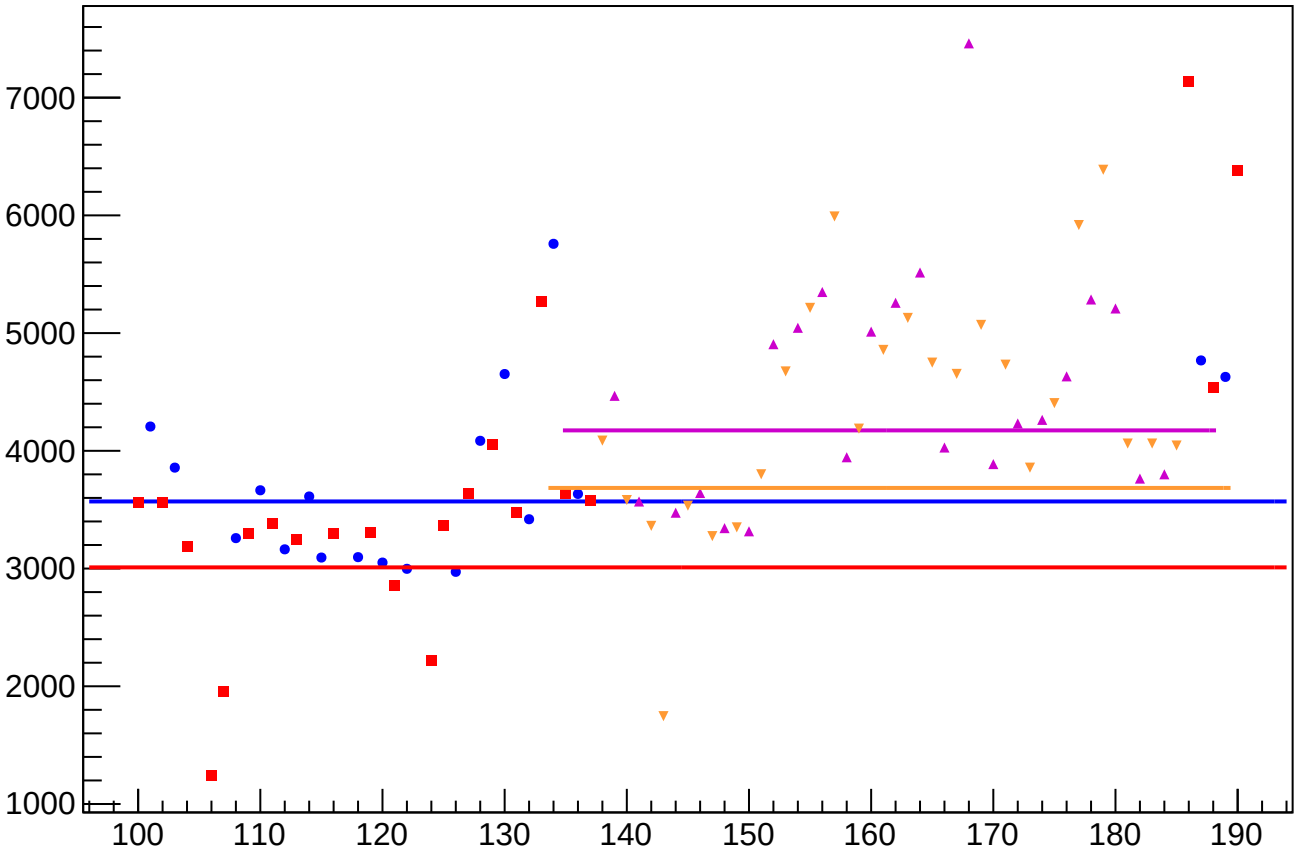
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 561.814+/-823.539 χ^2/NDF: 41.4/39

In: 251.592+/-787.787 χ^2/NDF:29.1/40

Out: 211.700+/-682.790 χ^2/NDF:55.6/46

All: 228.812+/-515.964 χ^2/NDF: 84.7/87



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3009.926+/-0.757 χ^2/NDF: 2216475.4/21

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

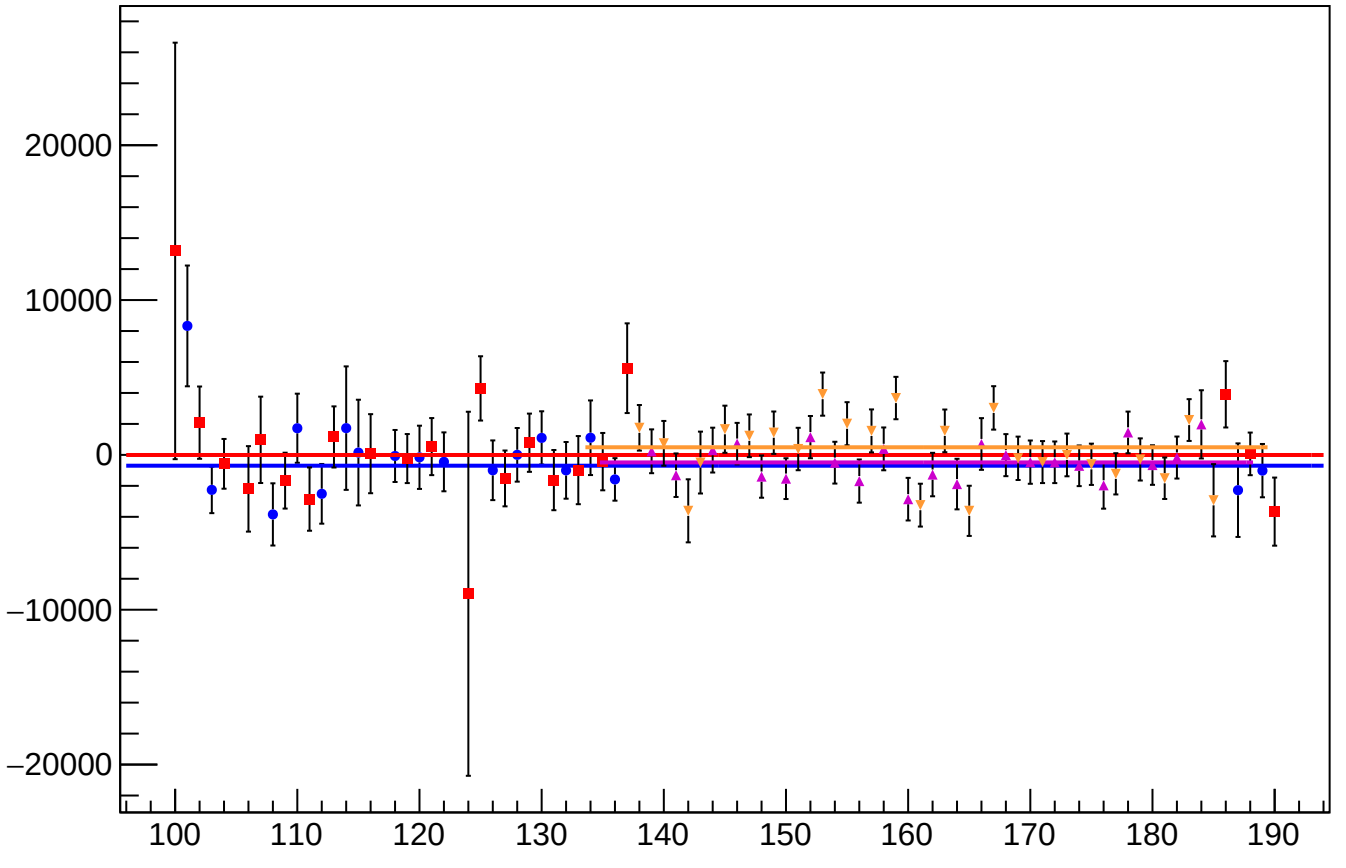
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3238.569+/-0.582 χ^2/NDF: 2876504.9/39

In: 3948.073+/-0.557 χ^2/NDF:1986291.4/40

Out: 3410.268+/-0.483 χ^2/NDF:6381565.7/46

All: 3640.967+/-0.365 χ^2/NDF: 8900119.4/87



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -6.459+/-440.651 χ^2/NDF: 22.4/21

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

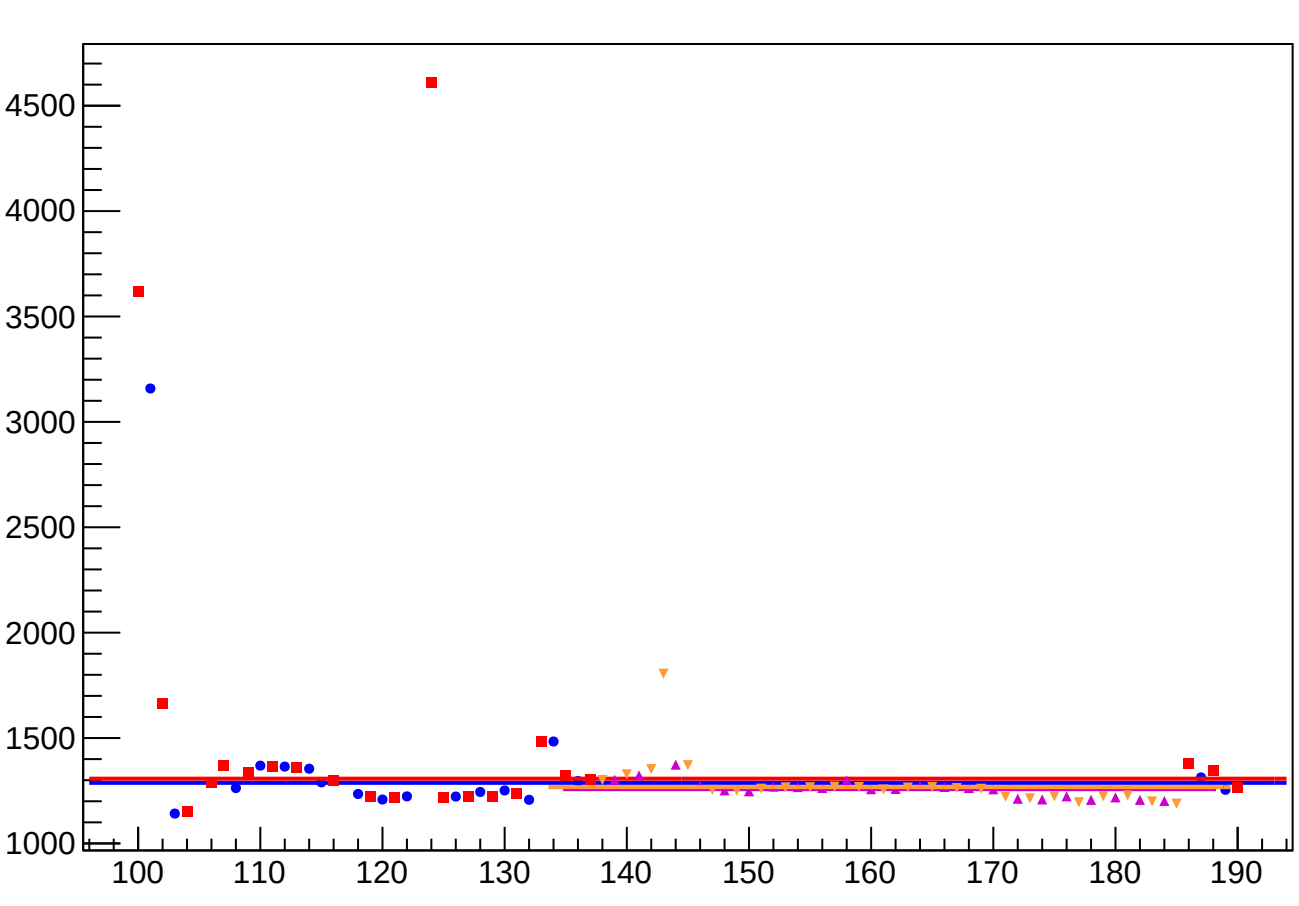
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -334.201+/-319.690 χ^2/NDF: 37.8/39

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 342.502+/-241.367 χ^2/NDF:70.2/46

All: -89.782+/-173.066 χ^2/NDF: 105.6/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF: 330840.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

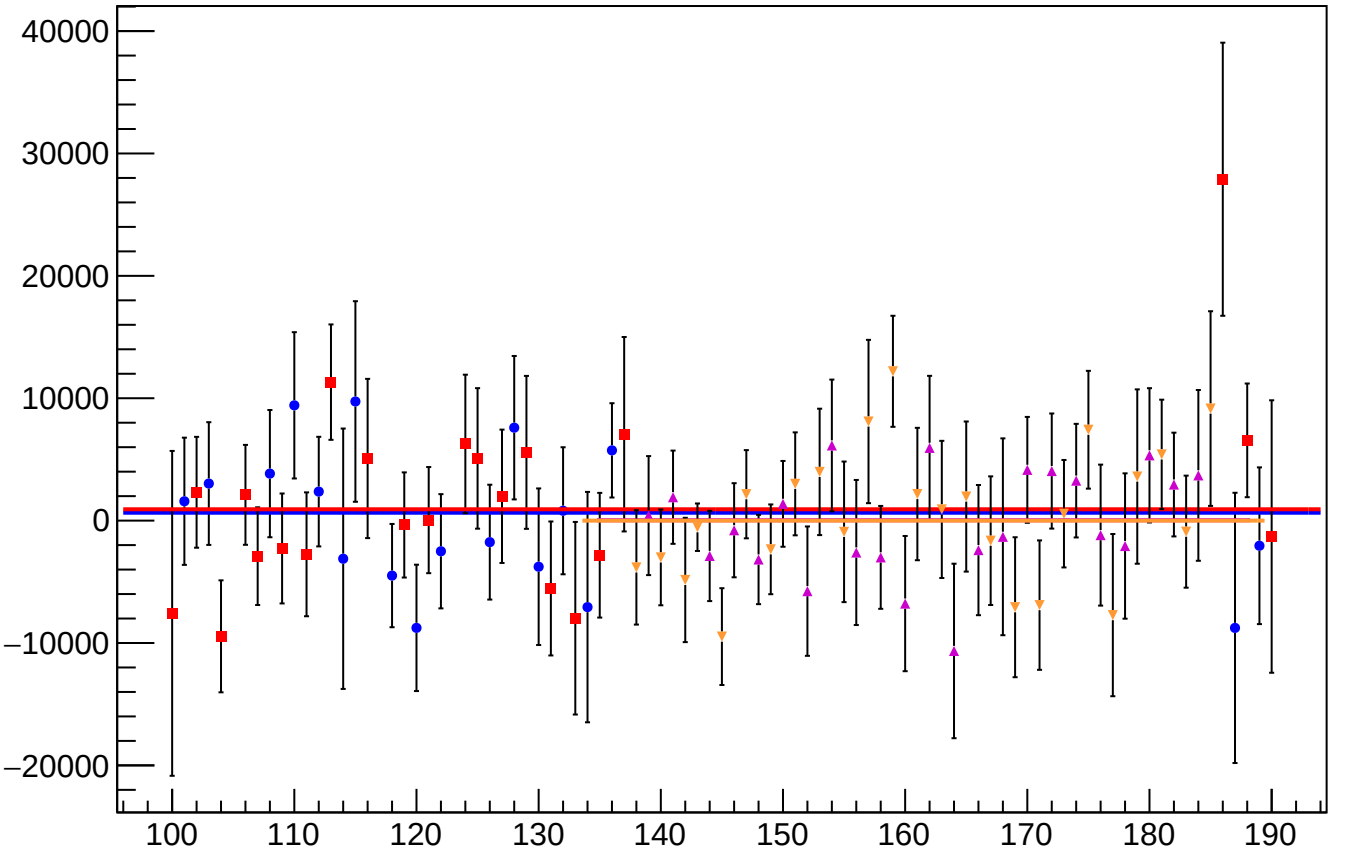
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.911+/-0.226 χ^2/NDF: 848347.1/39

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.086+/-0.171 χ^2/NDF:530122.7/46

All: 1272.780+/-0.122 χ^2/NDF: 1091274.1/87



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 927.344+/-1134.615 χ^2/NDF: 26.3/21

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

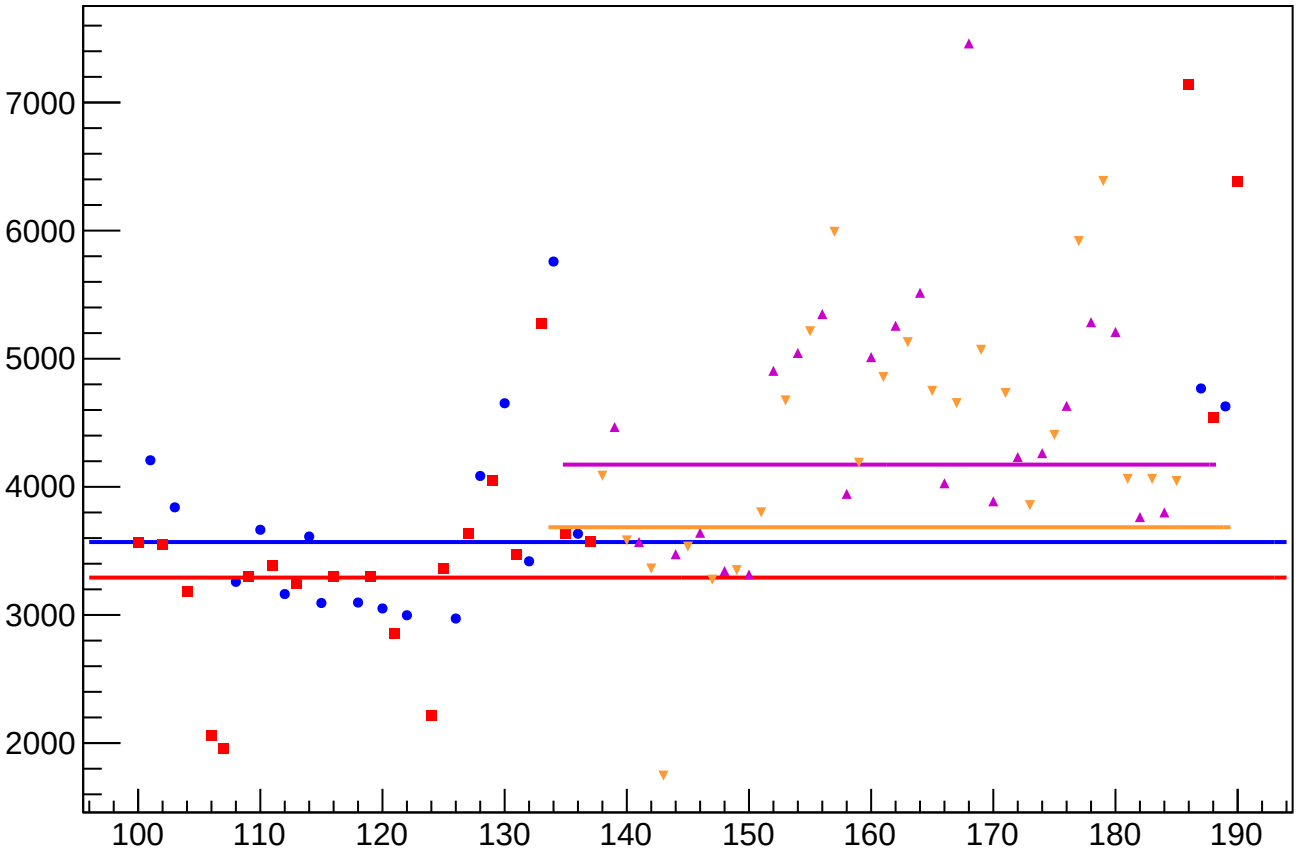
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 804.023+/-851.524 χ^2/NDF: 41.3/39

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 351.178+/-698.553 χ^2/NDF:55.7/46

All: 311.407+/-522.637 χ^2/NDF: 84.9/87



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF: 1222238.2/21

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

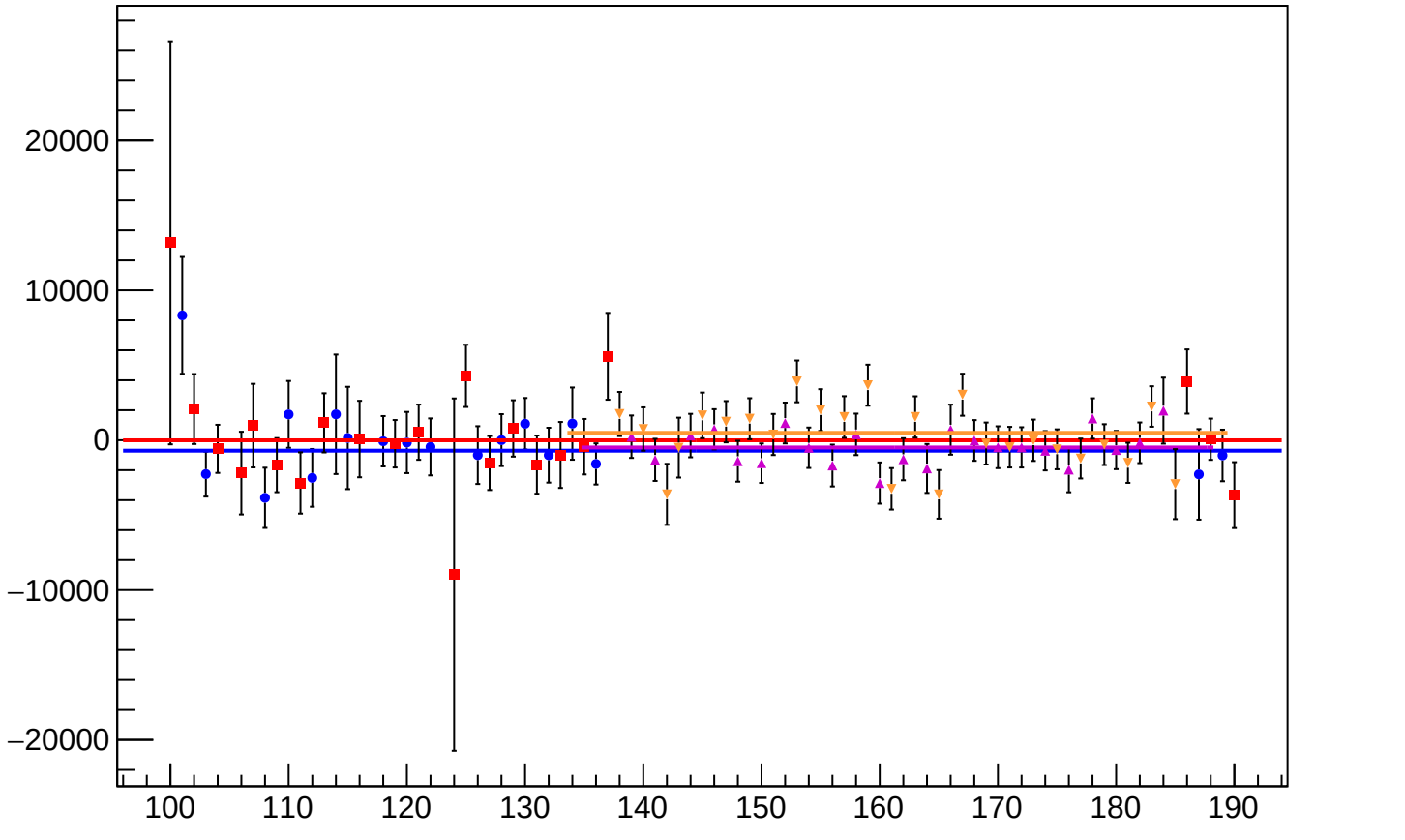
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3412.878+/-0.602 χ^2/NDF: 1710390.4/39

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3535.793+/-0.494 χ^2/NDF:5064921.5/46

All: 3717.104+/-0.370 χ^2/NDF: 7357585.2/87



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -6.459+/-440.651 χ^2/NDF: 22.4/21

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

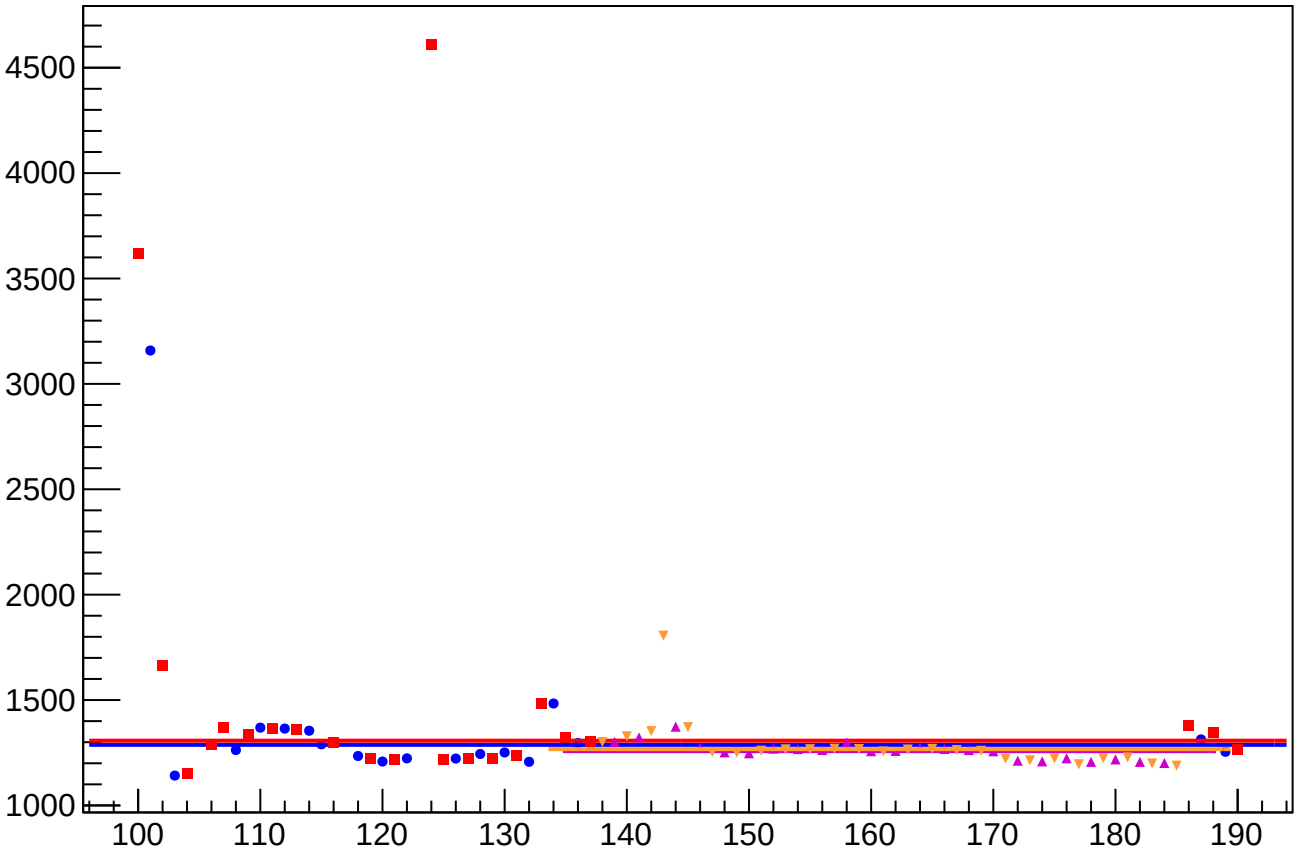
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -334.201+/-319.690 χ^2/NDF: 37.8/39

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 342.502+/-241.367 χ^2/NDF:70.2/46

All: -89.782+/-173.066 χ^2/NDF: 105.6/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF: 330840.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

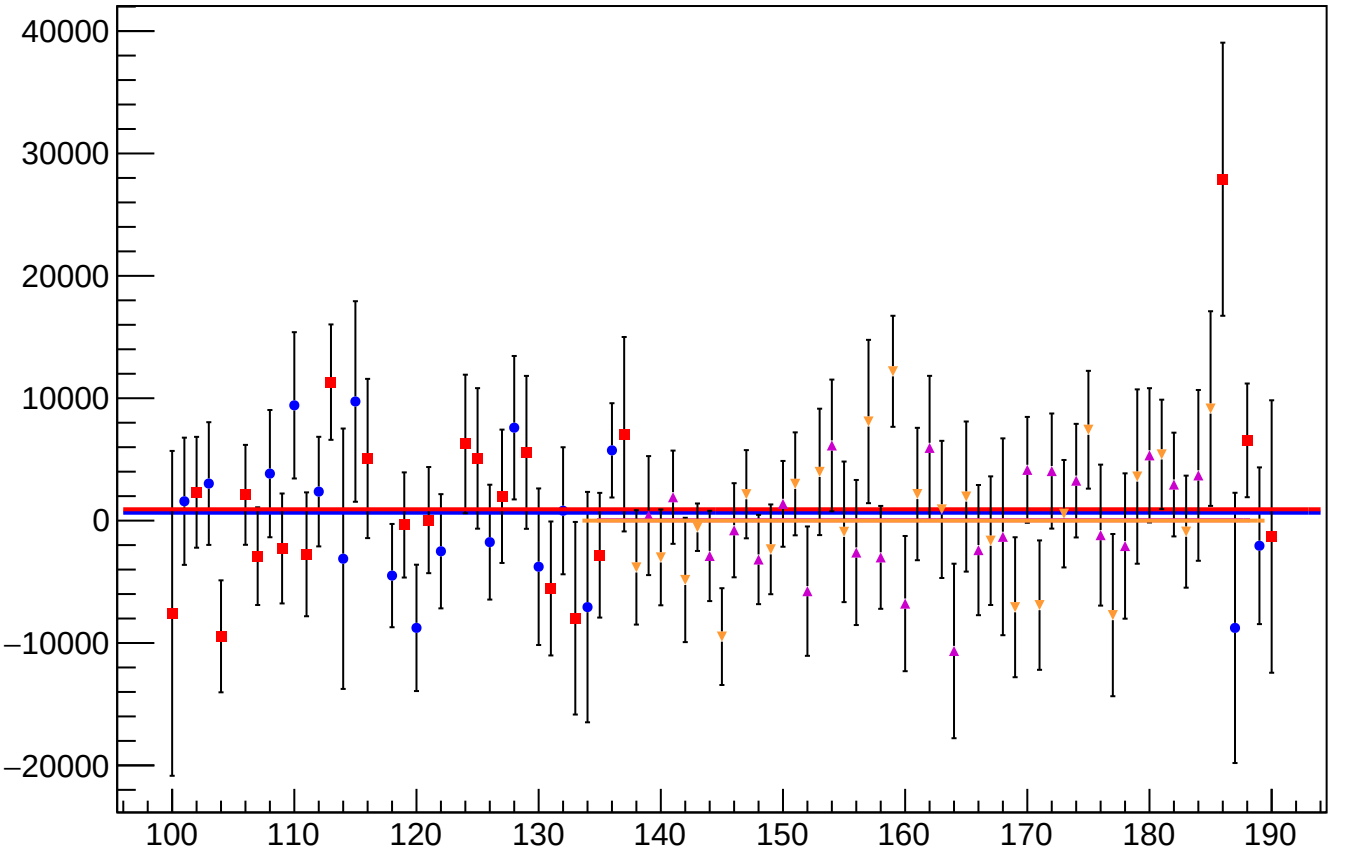
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.911+/-0.226 χ^2/NDF: 848347.1/39

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.086+/-0.171 χ^2/NDF:530122.7/46

All: 1272.780+/-0.122 χ^2/NDF: 1091274.1/87



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 927.344+/-1134.615 χ^2/NDF: 26.3/21

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

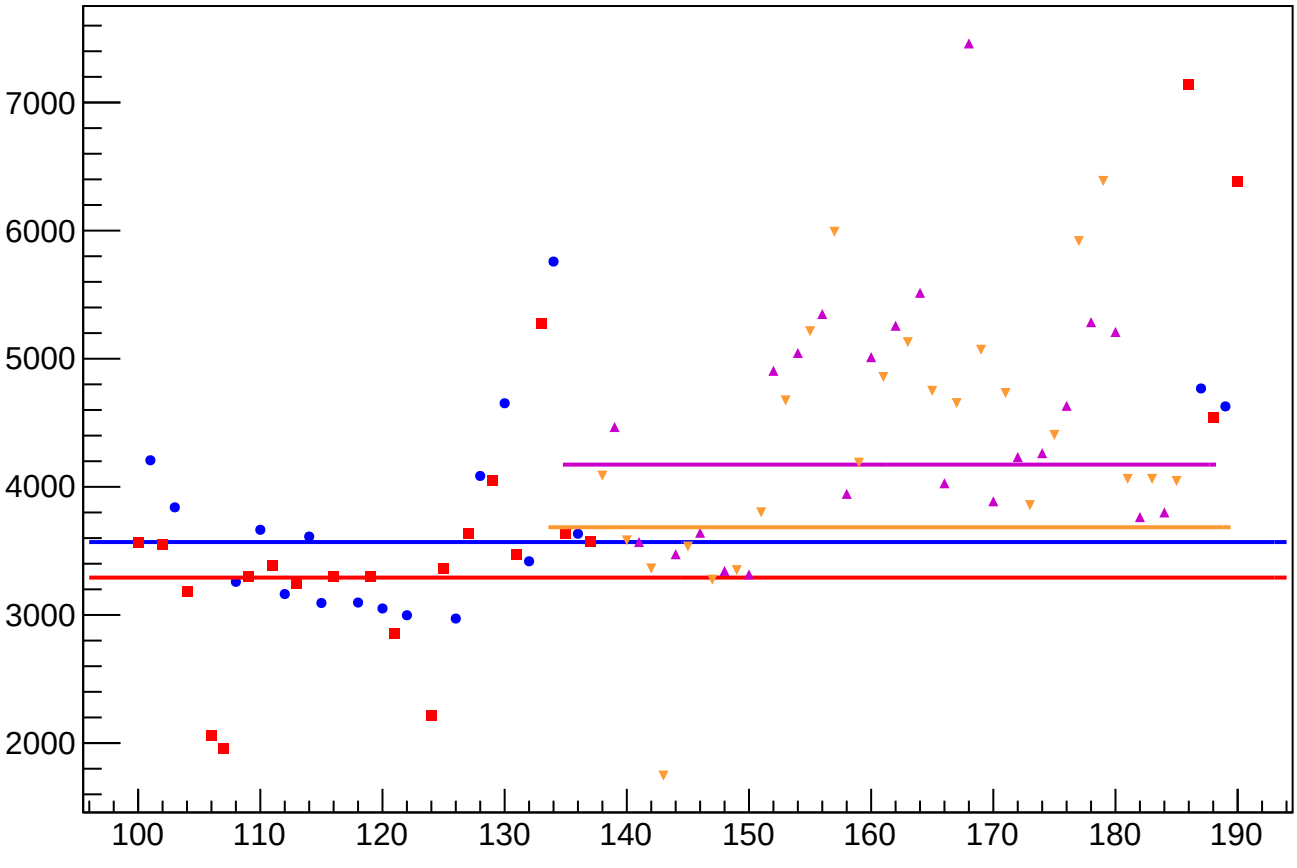
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 804.023+/-851.524 χ^2/NDF: 41.3/39

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 351.178+/-698.553 χ^2/NDF:55.7/46

All: 311.407+/-522.637 χ^2/NDF: 84.9/87



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF: 1222238.2/21

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

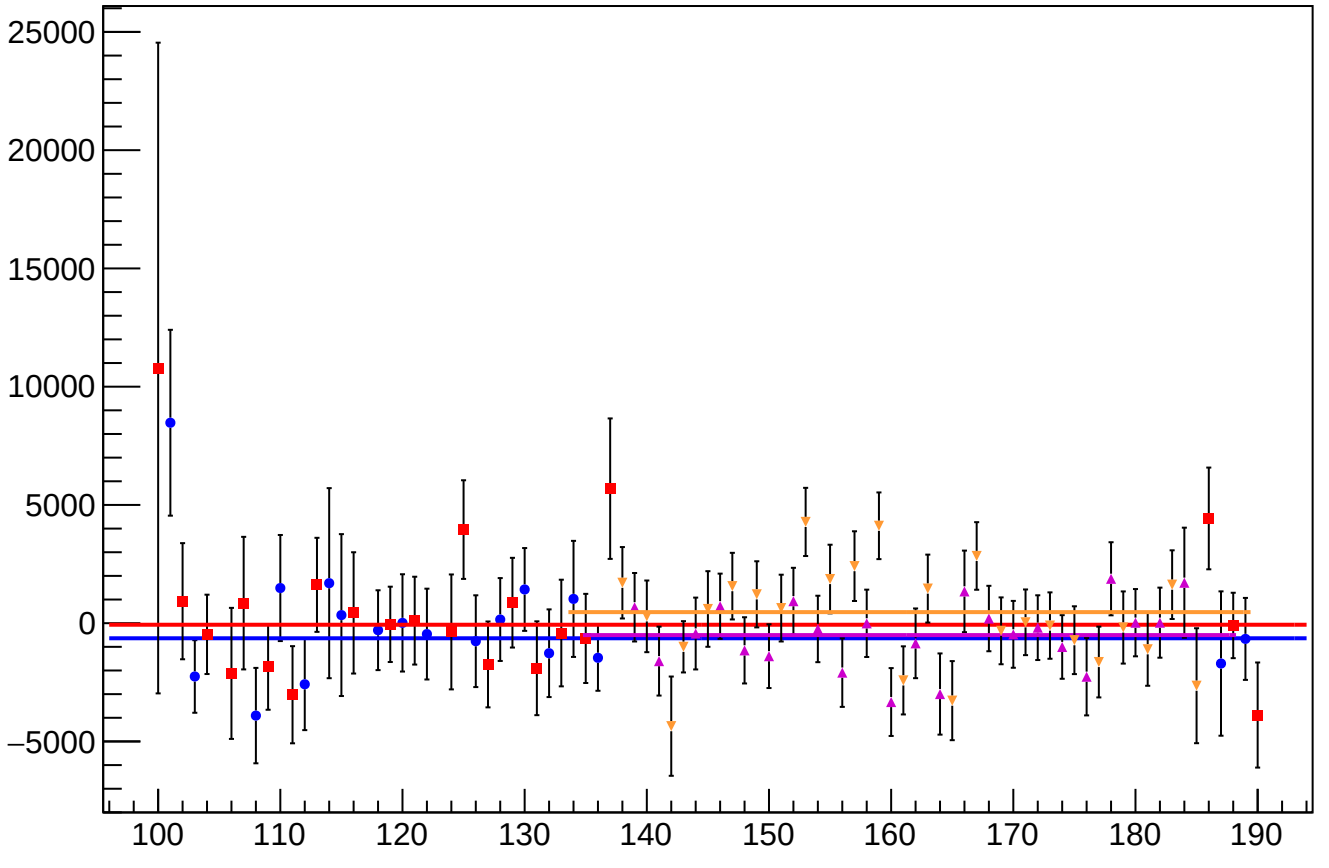
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3412.878+/-0.602 χ^2/NDF: 1710390.4/39

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3535.793+/-0.494 χ^2/NDF:5064921.5/46

All: 3717.104+/-0.370 χ^2/NDF: 7357585.2/87



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -65.657+/-439.237 χ^2/NDF: 22.2/21

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

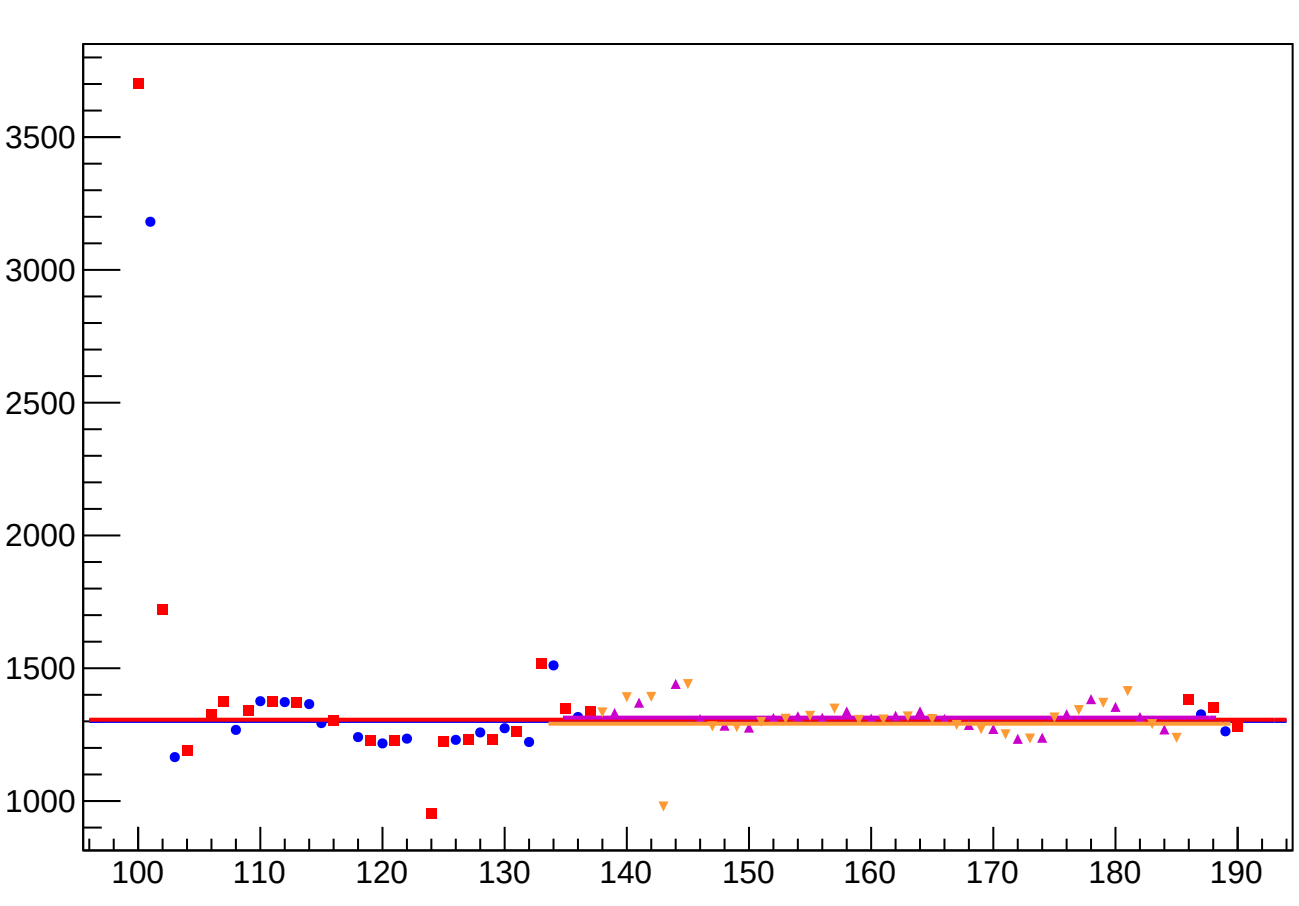
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -332.737+/-320.778 χ^2/NDF: 37.2/39

In: -543.823+/-256.990 χ^2/NDF:31.7/40

Out: 302.637+/-244.468 χ^2/NDF:67.3/46

All: -99.469+/-177.126 χ^2/NDF: 104.7/87



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1306.216+/-0.310 χ^2/NDF: 218896.5/21

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

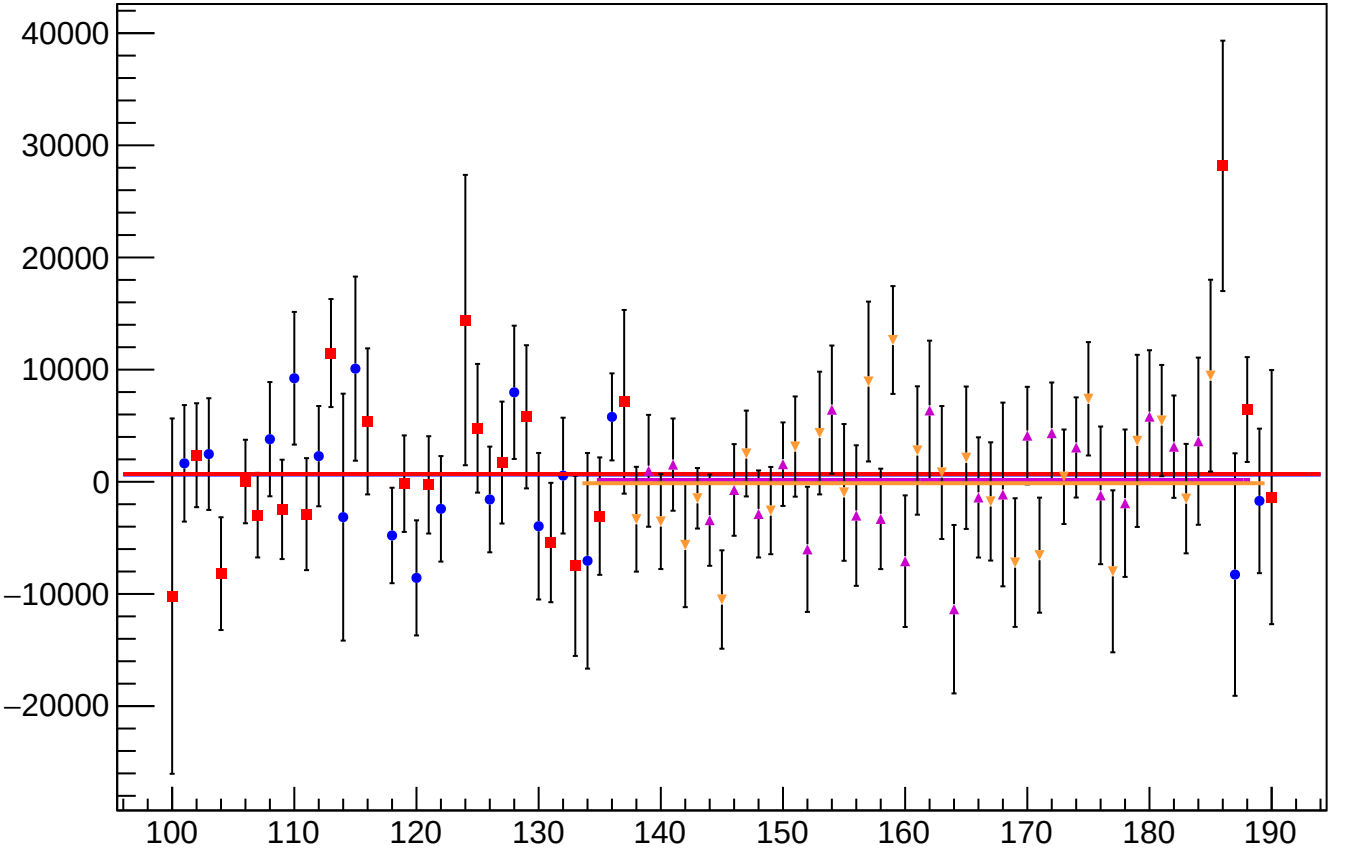
Right: 1304.050+/-0.227 χ^2/NDF: 730790.6/39

In: 1310.282+/-0.182 χ^2/NDF:555816.7/40

Out: 1295.863+/-0.173 χ^2/NDF:451244.1/46

All: 1302.711+/-0.125 χ^2/NDF: 1010366.3/87

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 693.747+/-1150.121 χ^2/NDF: 24.7/21

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

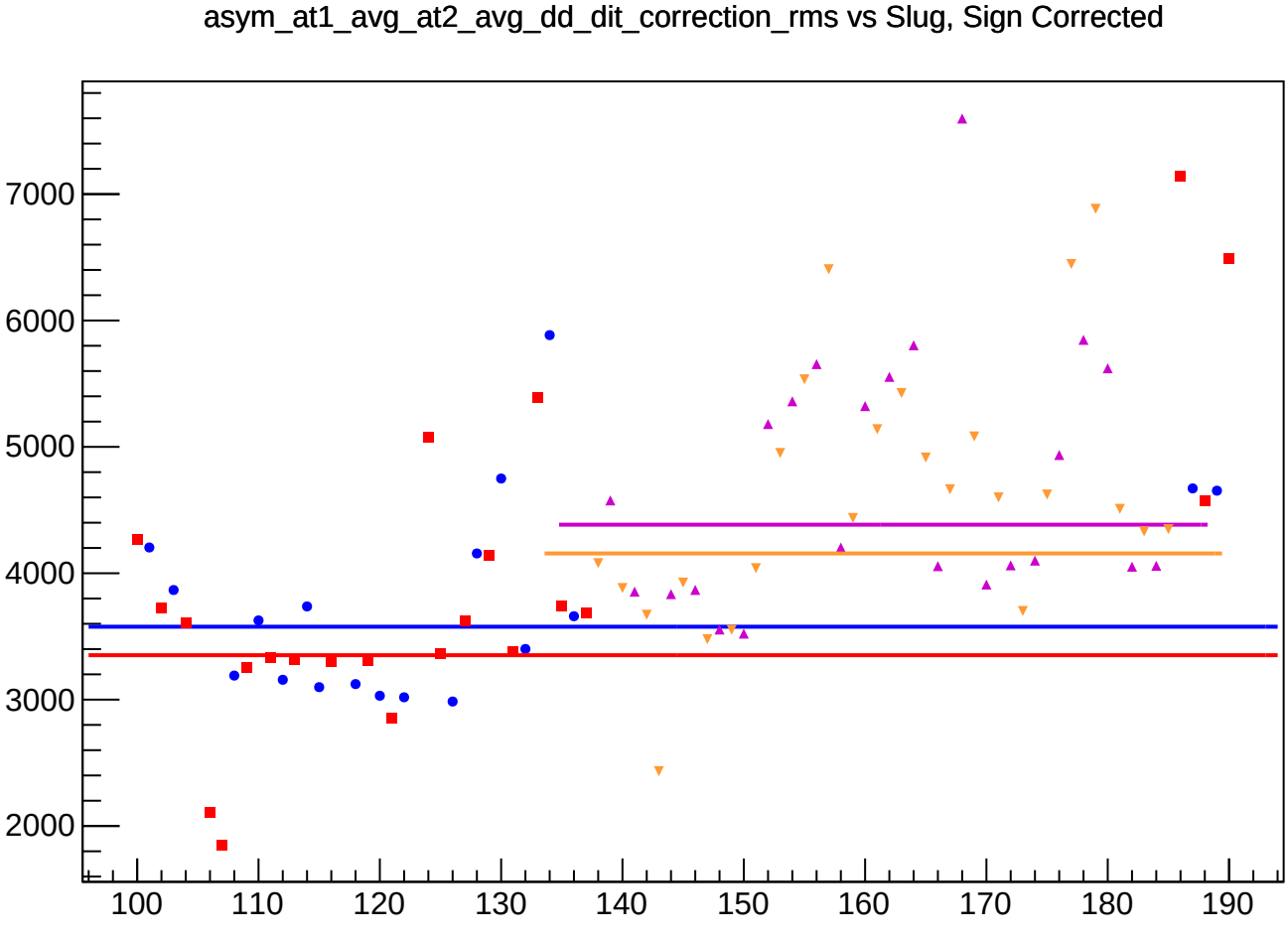
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 674.222+/-858.701 χ^2/NDF: 39.7/39

In: 353.640+/-812.436 χ^2/NDF:28.8/40

Out: 216.950+/-744.709 χ^2/NDF:53.6/46

All: 279.361+/-548.974 χ^2/NDF: 82.5/87



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3351.477+/-0.813 χ^2/NDF: 1327397.5/21

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

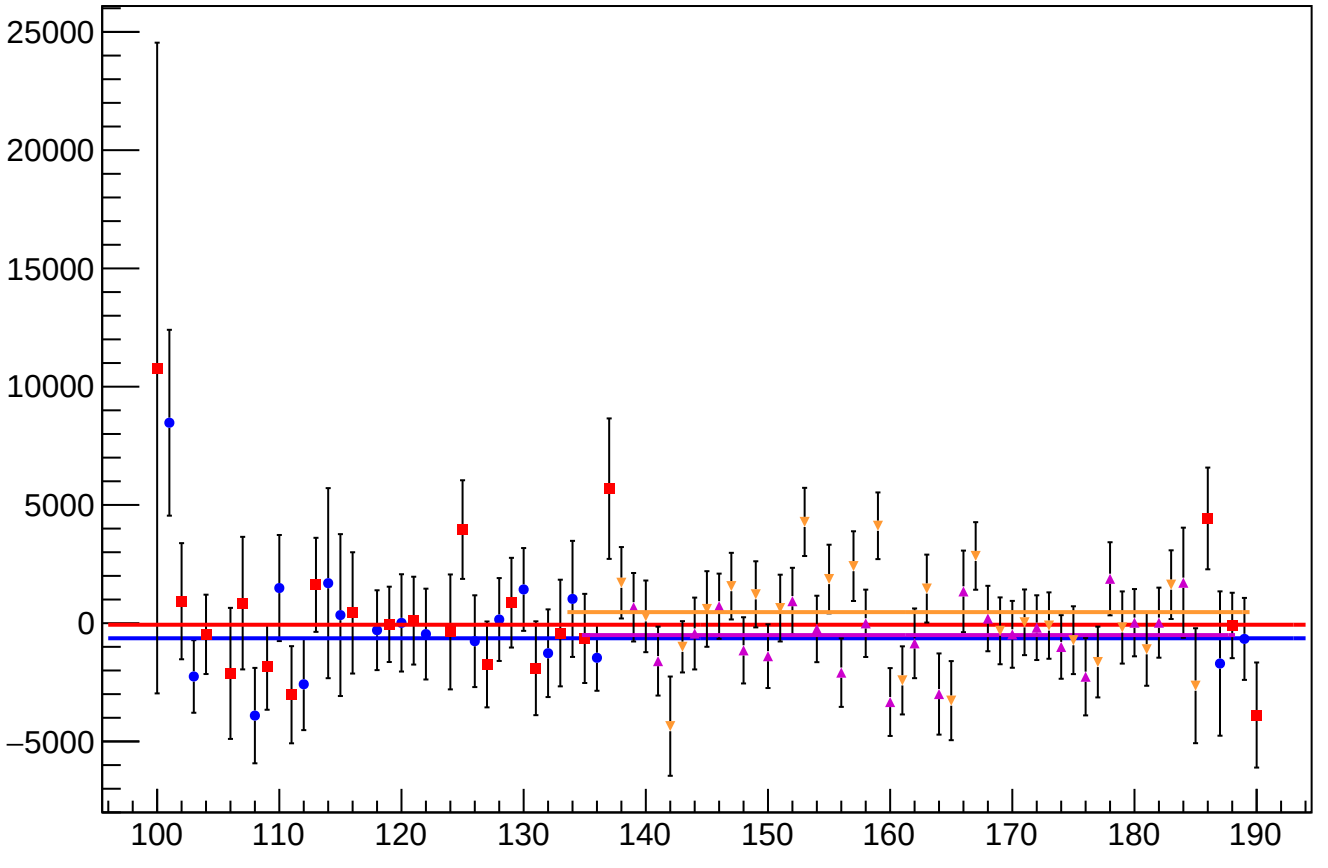
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3451.257+/-0.607 χ^2/NDF: 1817197.1/39

In: 4064.470+/-0.574 χ^2/NDF:2183758.6/40

Out: 3819.031+/-0.527 χ^2/NDF:3977314.6/46

All: 3931.095+/-0.388 χ^2/NDF: 6260263.4/87



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -65.663+/-439.237 χ^2/NDF: 22.2/21

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

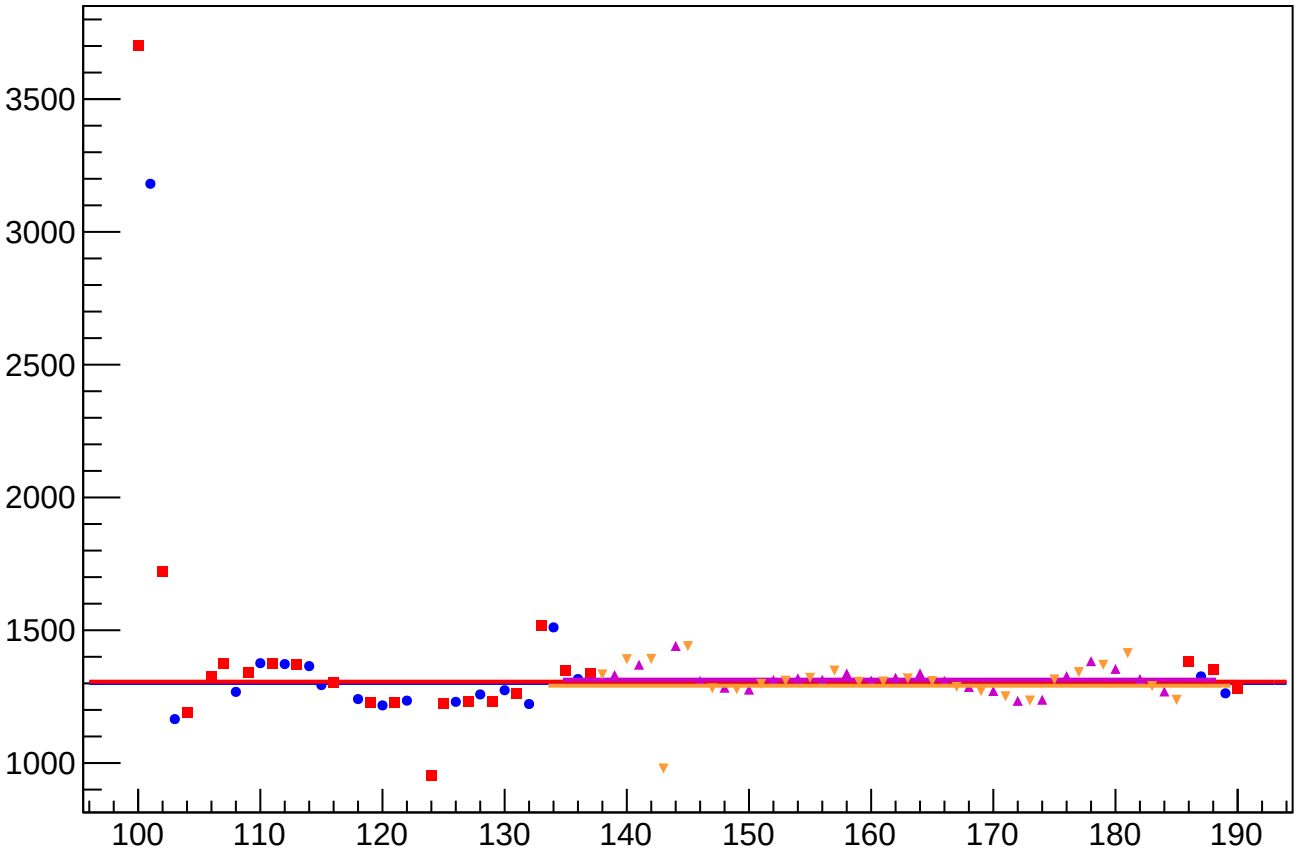
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -332.742+/-320.778 χ^2/NDF: 37.2/39

In: -543.824+/-256.990 χ^2/NDF:31.7/40

Out: 302.638+/-244.468 χ^2/NDF:67.3/46

All: -99.469+/-177.127 χ^2/NDF: 104.7/87



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1306.216+/-0.310 χ^2/NDF: 218896.6/21

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

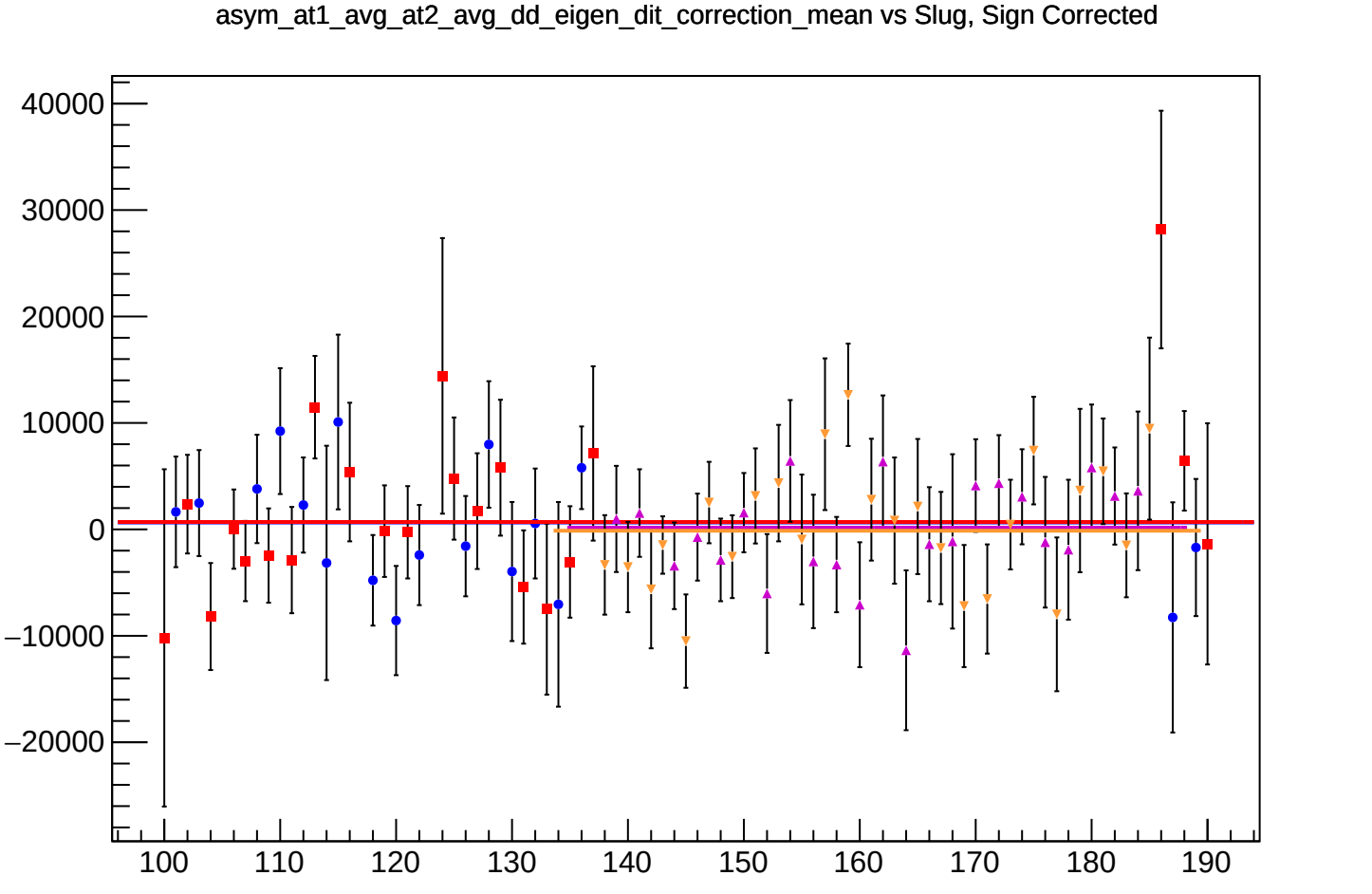
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.050+/-0.227 χ^2/NDF: 730790.8/39

In: 1310.282+/-0.182 χ^2/NDF:555819.2/40

Out: 1295.864+/-0.173 χ^2/NDF:451246.4/46

All: 1302.712+/-0.125 χ^2/NDF: 1010371.1/87



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 693.740+/-1150.118 χ^2/NDF: 24.7/21

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

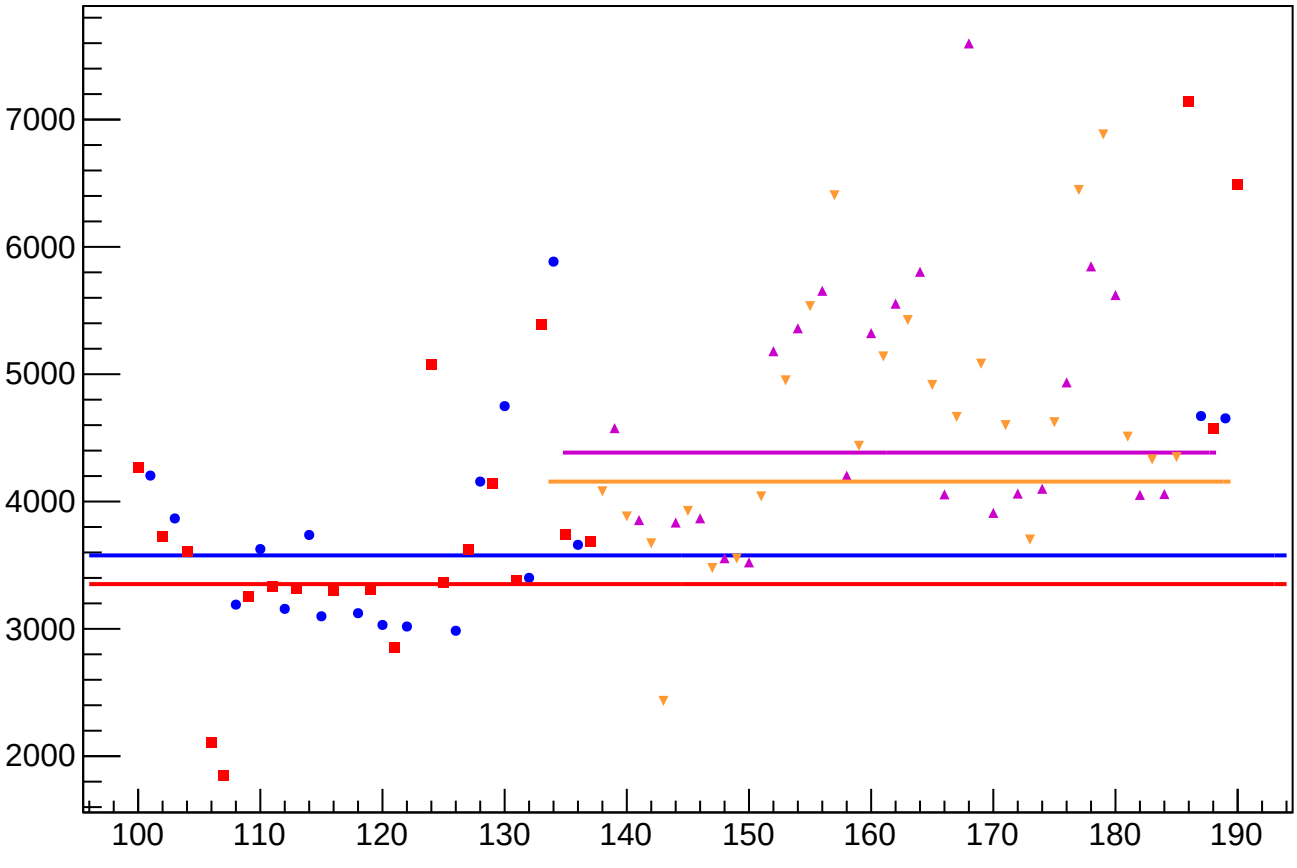
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 674.214+/-858.699 χ^2/NDF: 39.7/39

In: 353.638+/-812.436 χ^2/NDF:28.8/40

Out: 216.951+/-744.709 χ^2/NDF:53.6/46

All: 279.360+/-548.974 χ^2/NDF: 82.5/87



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3351.469+/-0.813 χ^2/NDF: 1327403.2/21

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

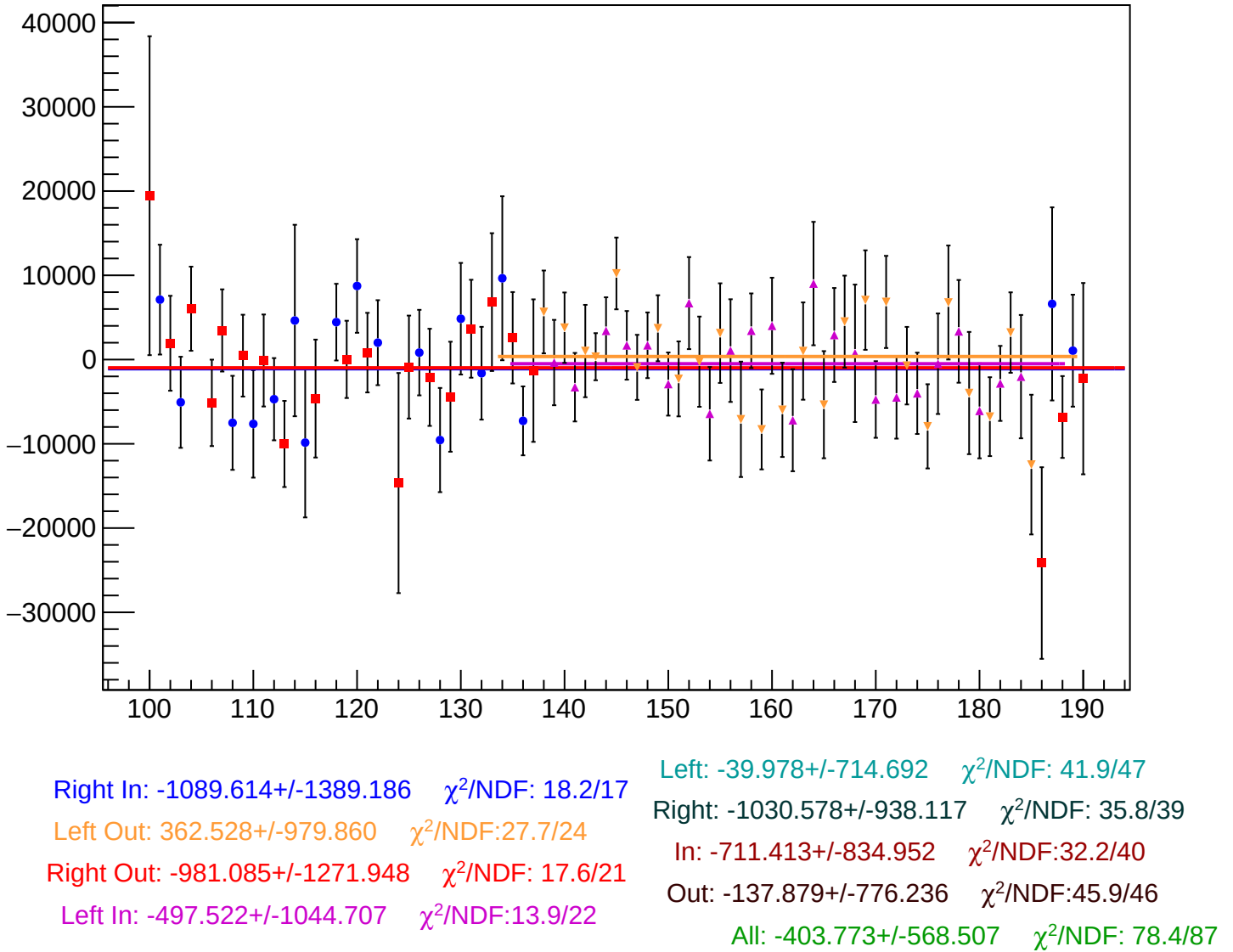
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

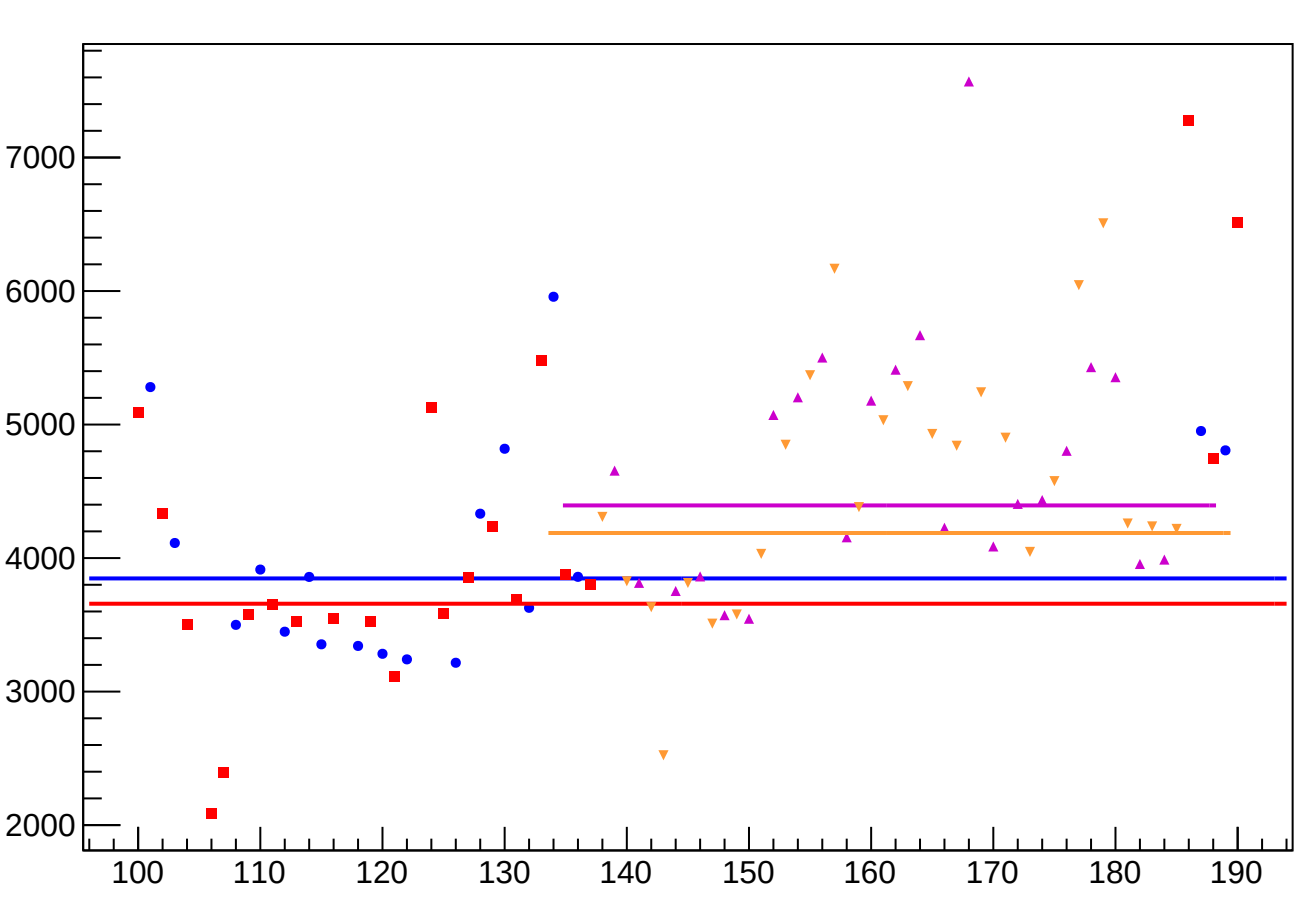
Right: 3451.249+/-0.607 χ^2/NDF: 1817208.9/39

In: 4064.469+/-0.574 χ^2/NDF:2183787.7/40

Out: 3819.030+/-0.527 χ^2/NDF:3977343.7/46

All: 3931.095+/-0.388 χ^2/NDF: 6260321.7/87


asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1089.614+/-1389.186 χ²/NDF: 18.2/17
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -981.085+/-1271.948 χ²/NDF: 17.6/21
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -1030.578+/-938.117 χ²/NDF: 35.8/39
In: -711.413+/-834.952 χ²/NDF:32.2/40
Out: -137.879+/-776.236 χ²/NDF:45.9/46
All: -403.773+/-568.507 χ²/NDF: 78.4/87



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3658.073+/-0.888 χ^2/NDF: 1049184.6/21

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

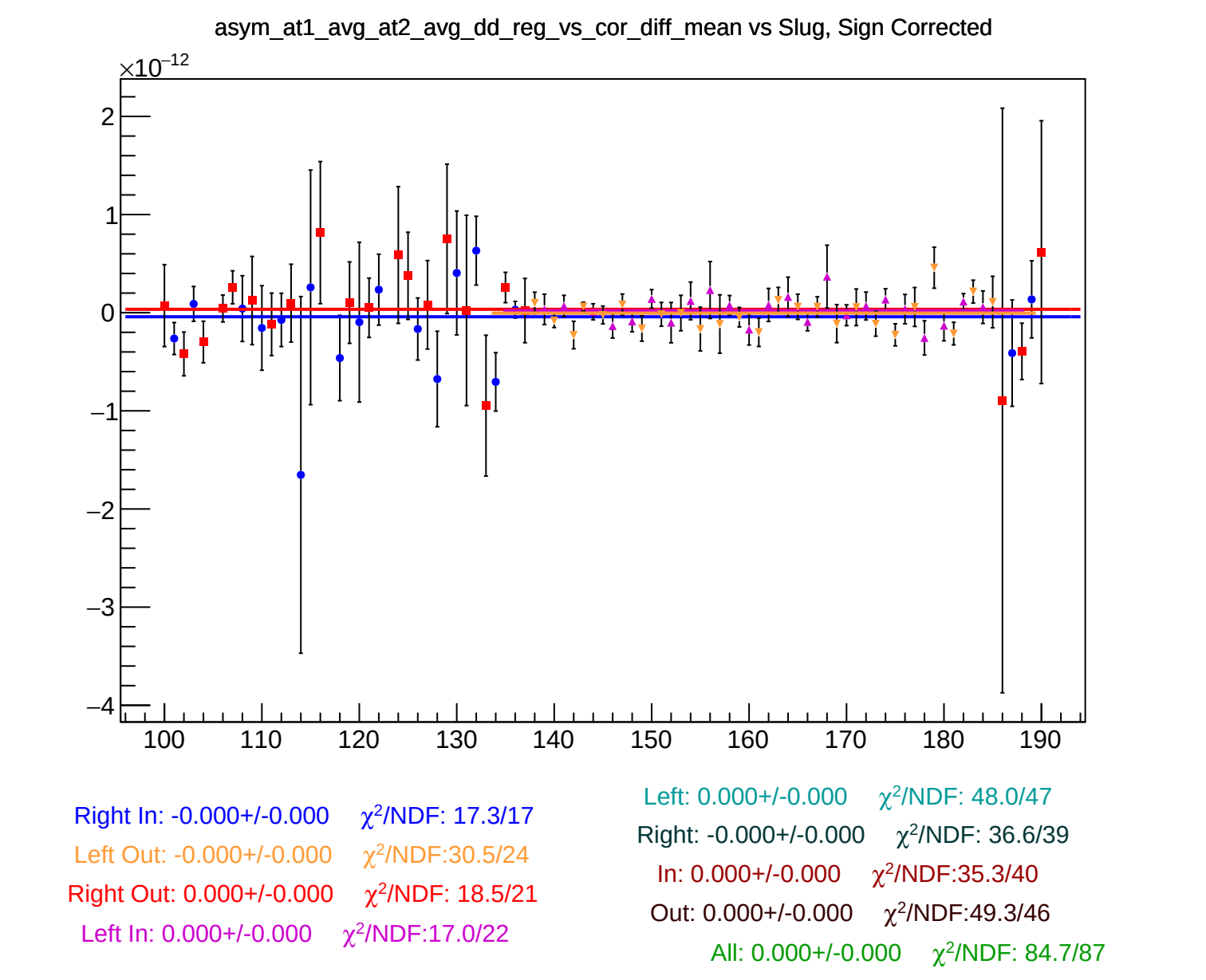
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

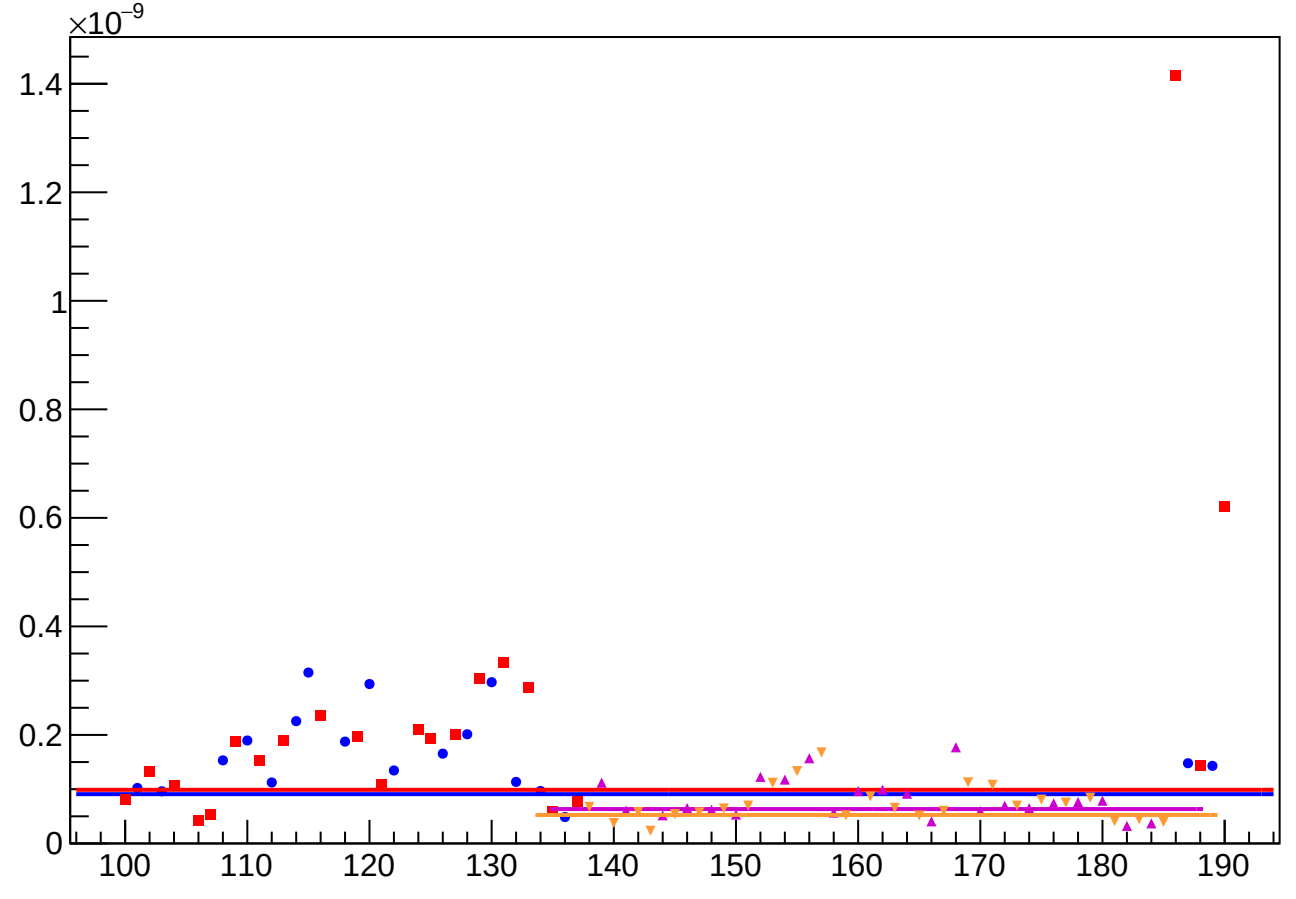
Right: 3743.305+/-0.659 χ^2/NDF: 1516615.3/39

In: 4196.797+/-0.590 χ^2/NDF:1733277.9/40

Out: 3987.447+/-0.546 χ^2/NDF:3066683.5/46

All: 4084.017+/-0.401 χ^2/NDF: 4867696.9/87


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.3/17
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/21
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 36.6/39
In: 0.000+/-0.000 χ²/NDF:35.3/40
Out: 0.000+/-0.000 χ²/NDF:49.3/46
All: 0.000+/-0.000 χ²/NDF: 84.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2486687.4/21

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

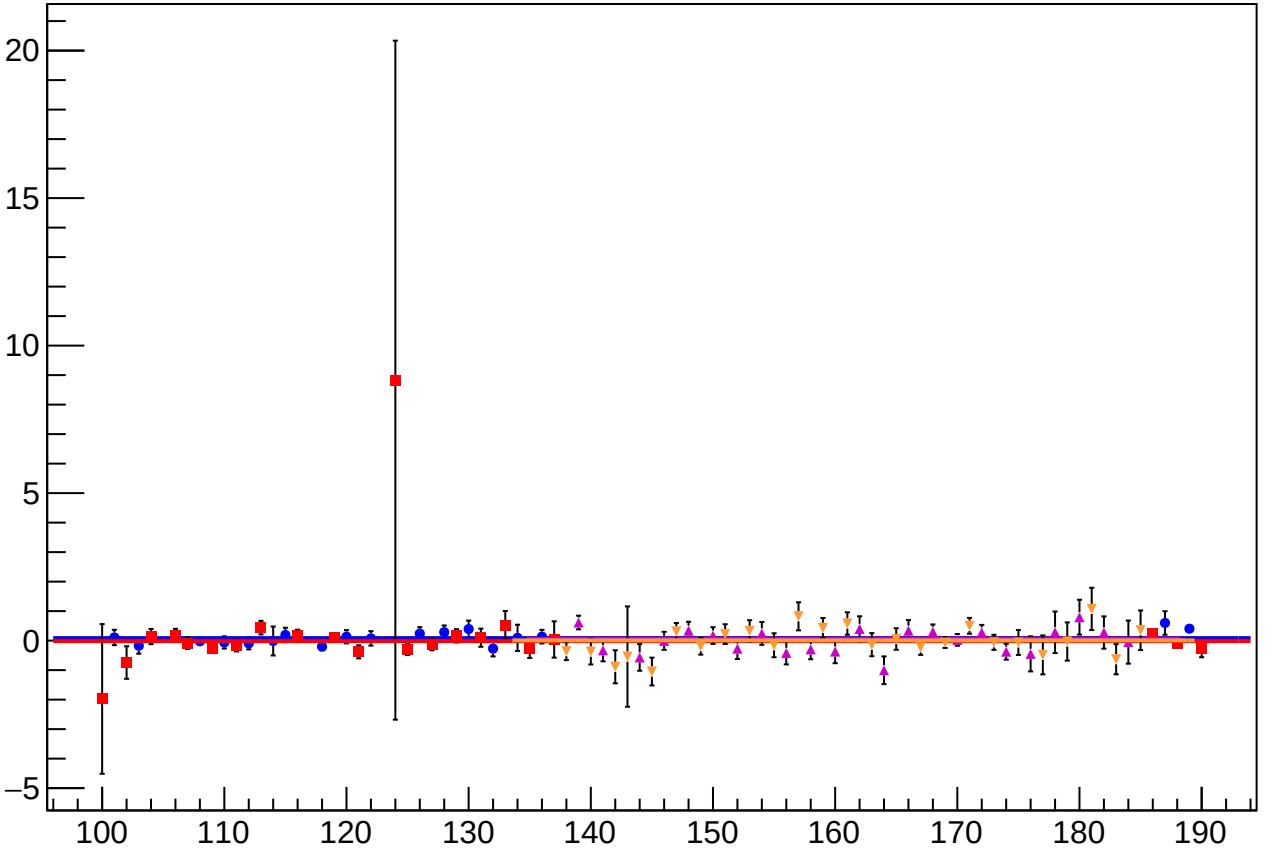
Right: 0.000+/-0.000 χ^2/NDF: 4024576.1/39

In: 0.000+/-0.000 χ^2/NDF:3680558.2/40

Out: 0.000+/-0.000 χ^2/NDF:6096580.6/46

All: 0.000+/-0.000 χ^2/NDF: 9988043.9/87

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

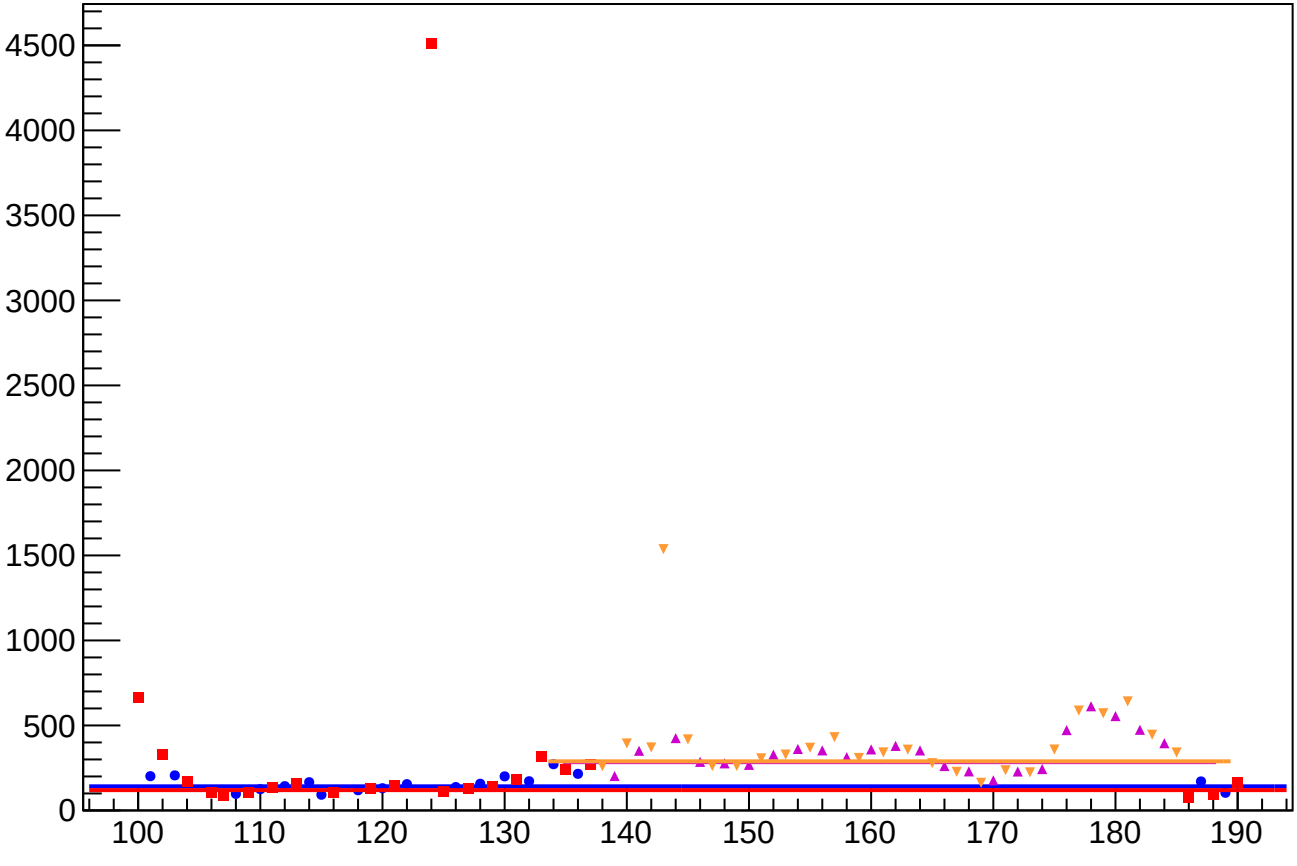
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF: 2197259.6/21

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

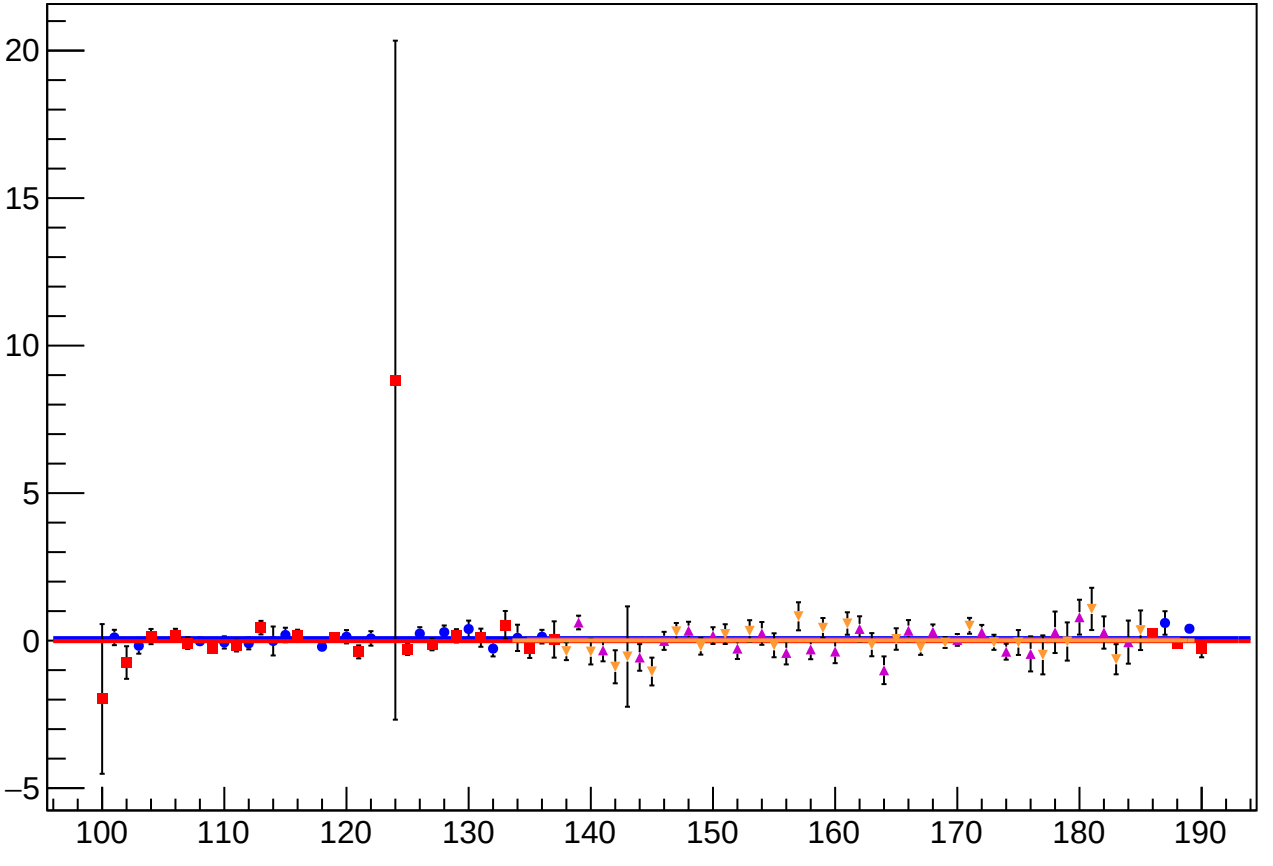
Right: 128.718+/-0.024 χ^2/NDF: 3552811.6/39

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.091+/-0.027 χ^2/NDF:15023829.3/46

All: 178.852+/-0.020 χ^2/NDF: 24876570.4/87

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

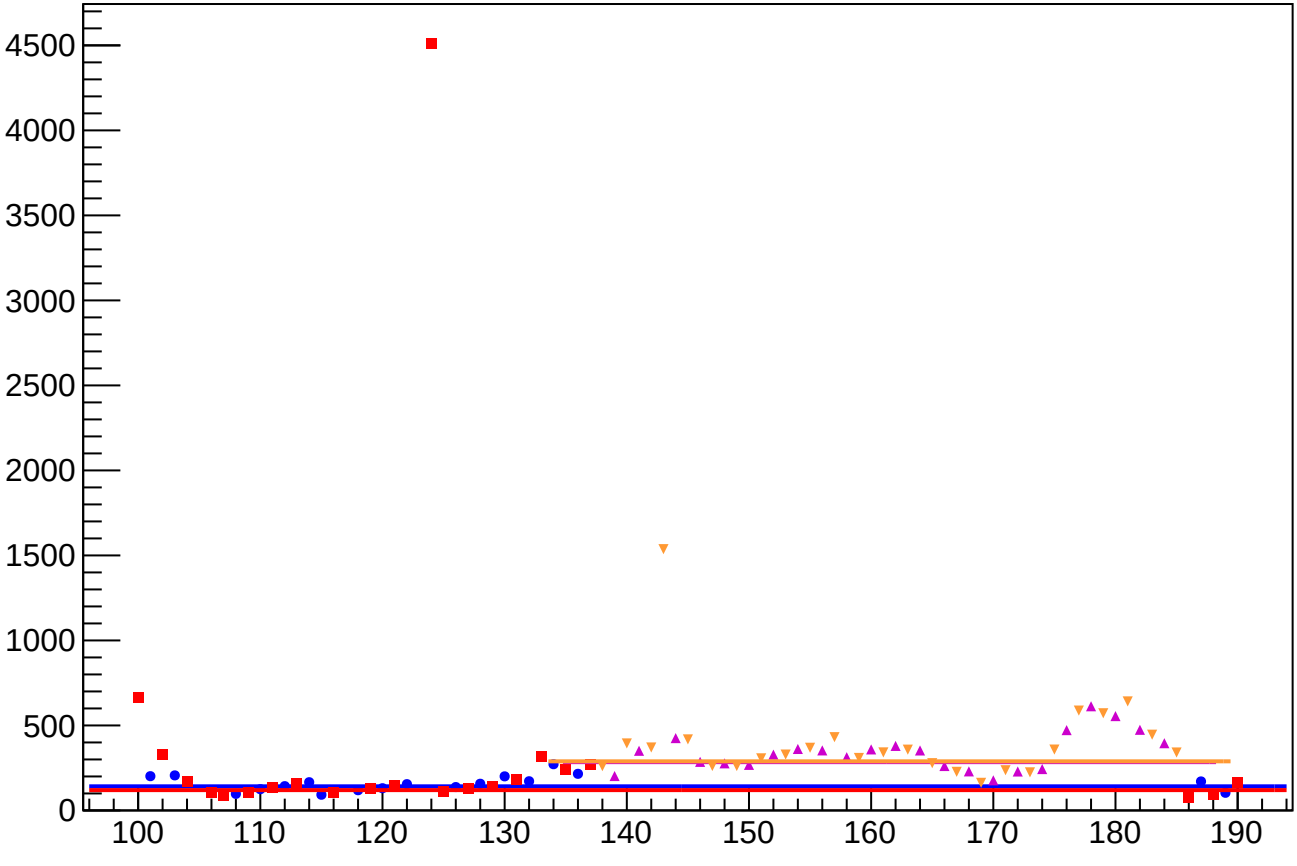
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF: 2197259.6/21

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

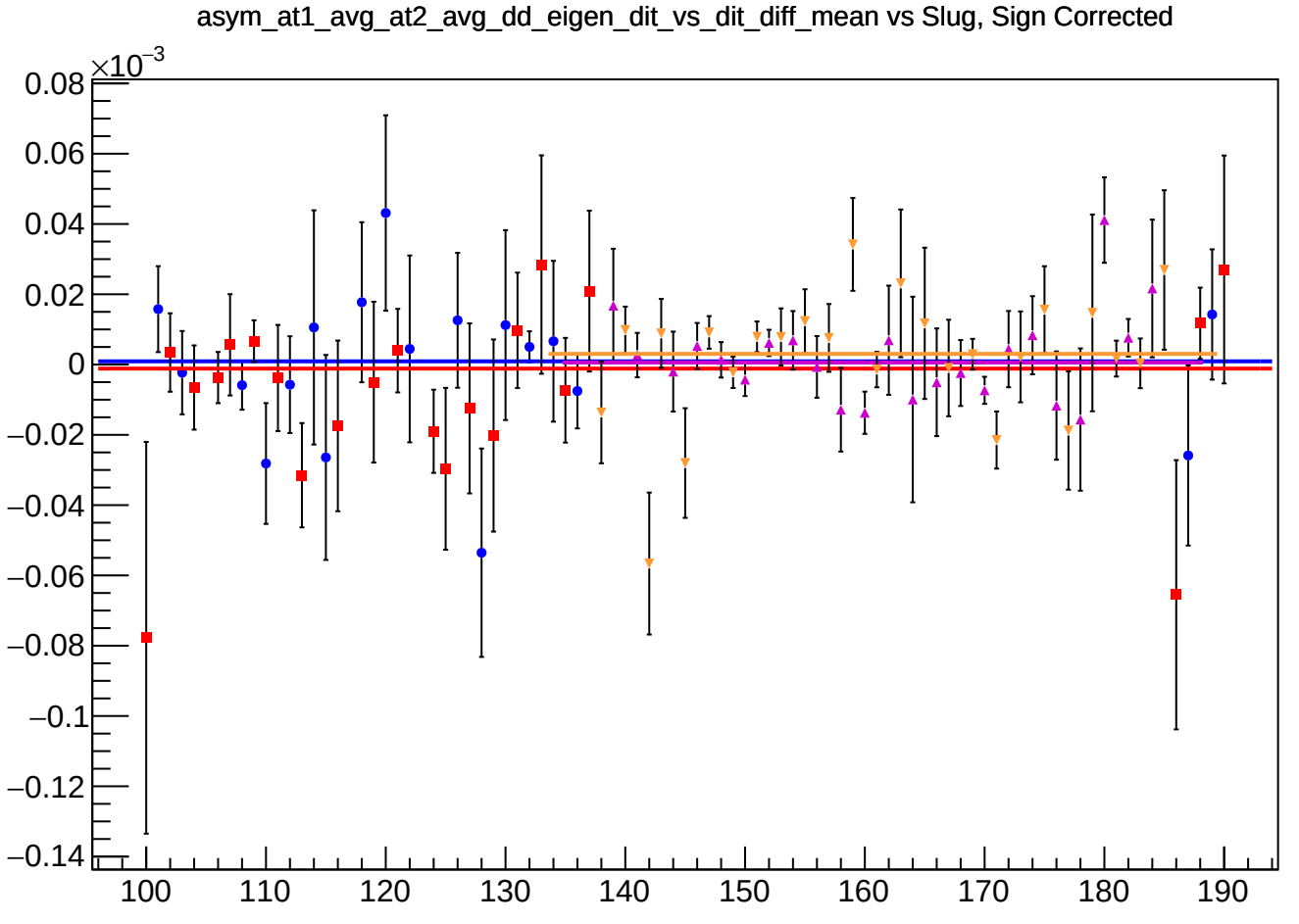
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 128.718+/-0.024 χ^2/NDF: 3552811.6/39

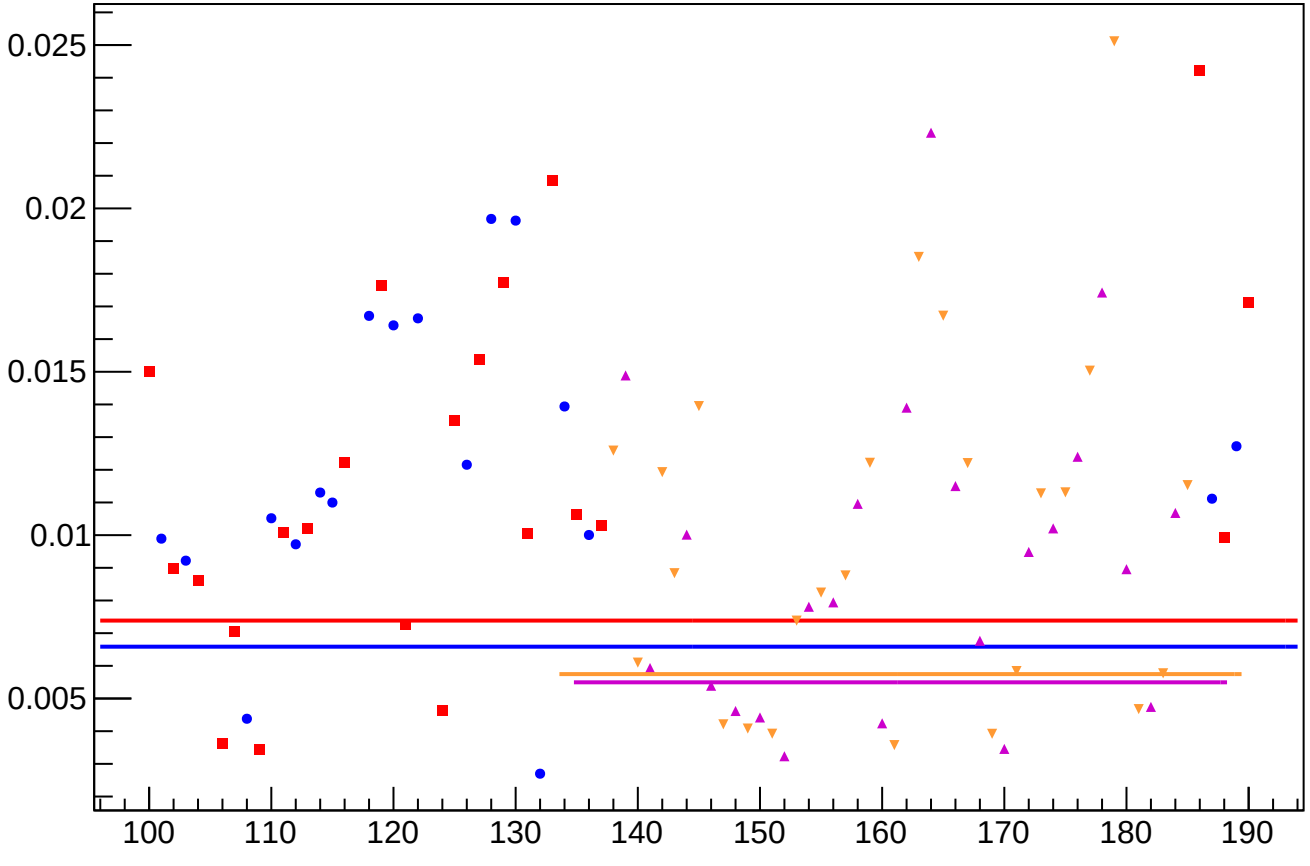
In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.091+/-0.027 χ^2/NDF:15023829.3/46

All: 178.852+/-0.020 χ^2/NDF: 24876570.4/87


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.5/17
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/21
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 38.1/39
In: 0.000+/-0.000 χ²/NDF:49.7/40
Out: 0.000+/-0.000 χ²/NDF:65.2/46
All: 0.000+/-0.000 χ²/NDF: 115.5/87

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: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4140336.3/21

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

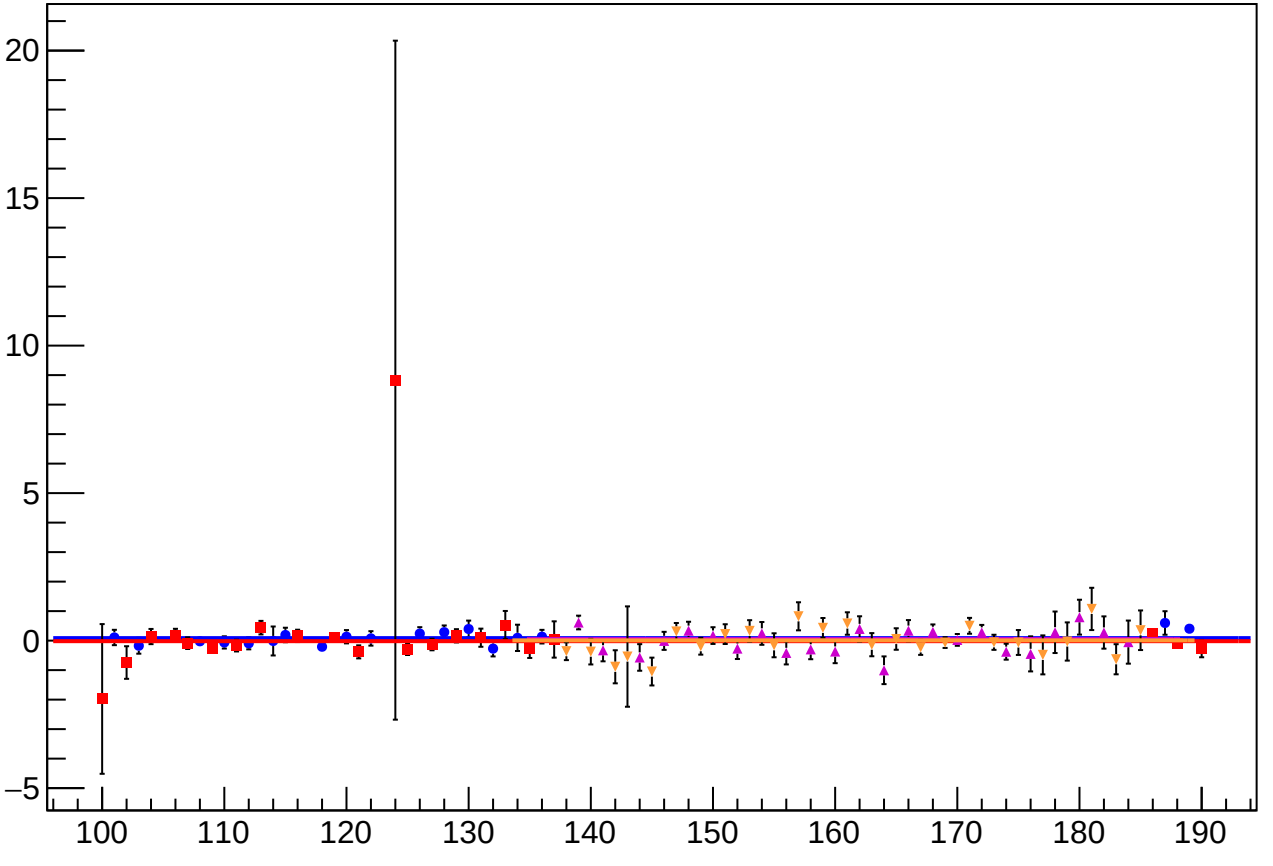
Right: 0.007+/-0.000 χ^2/NDF: 9149602.4/39

In: 0.006+/-0.000 χ^2/NDF:12094637.4/40

Out: 0.006+/-0.000 χ^2/NDF:12777444.9/46

All: 0.006+/-0.000 χ^2/NDF: 24949544.1/87

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

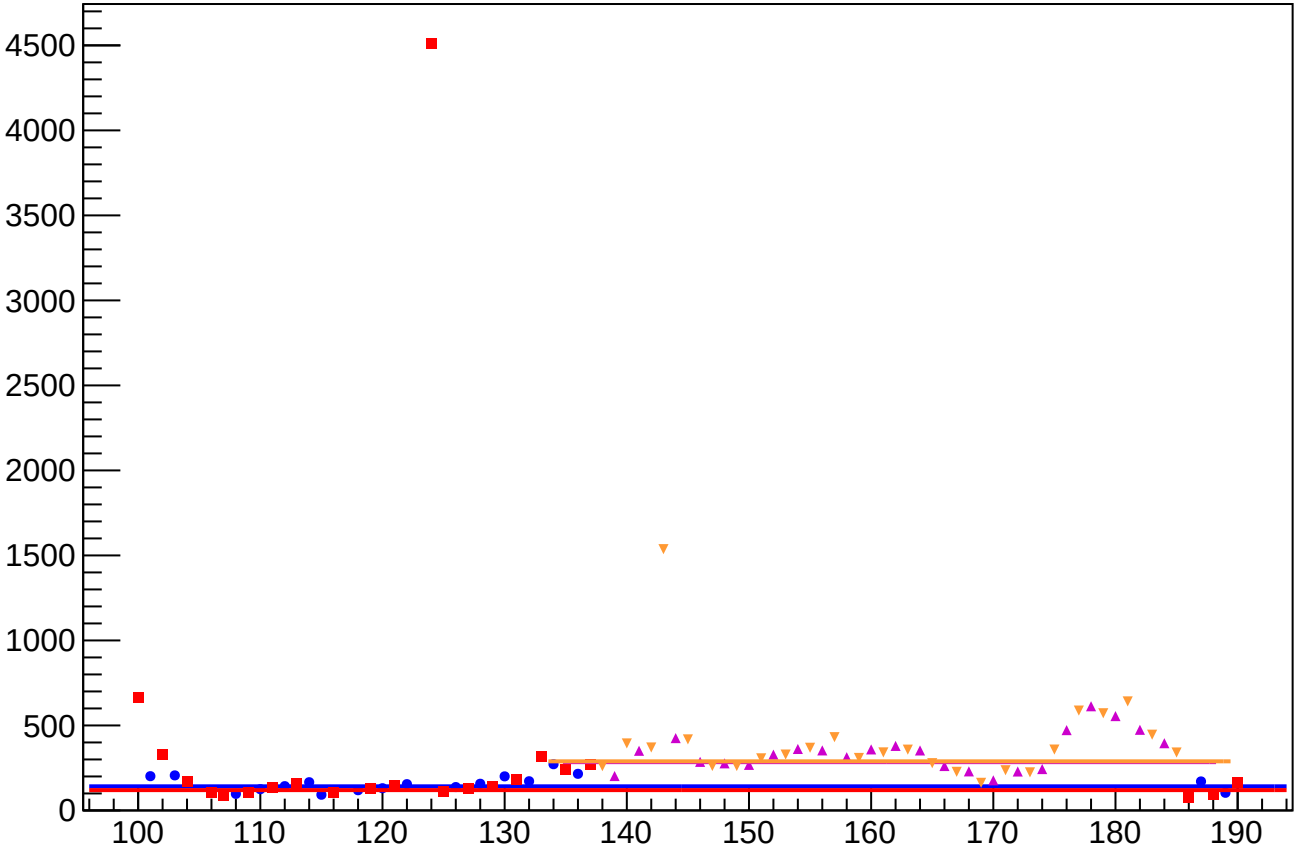
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF: 2197111.3/21

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

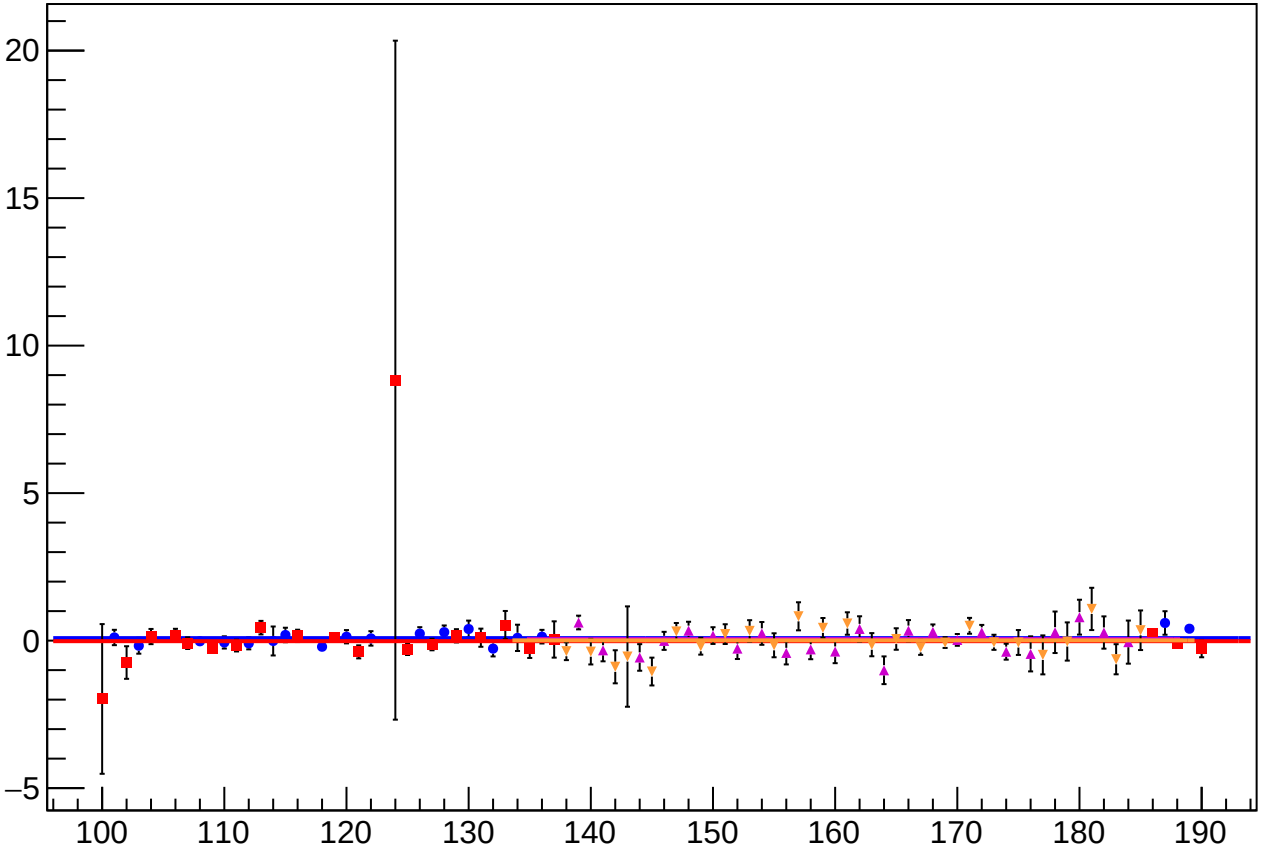
Right: 128.719+/-0.024 χ^2/NDF: 3552583.2/39

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.093+/-0.027 χ^2/NDF:15023643.0/46

All: 178.853+/-0.020 χ^2/NDF: 24876501.4/87

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

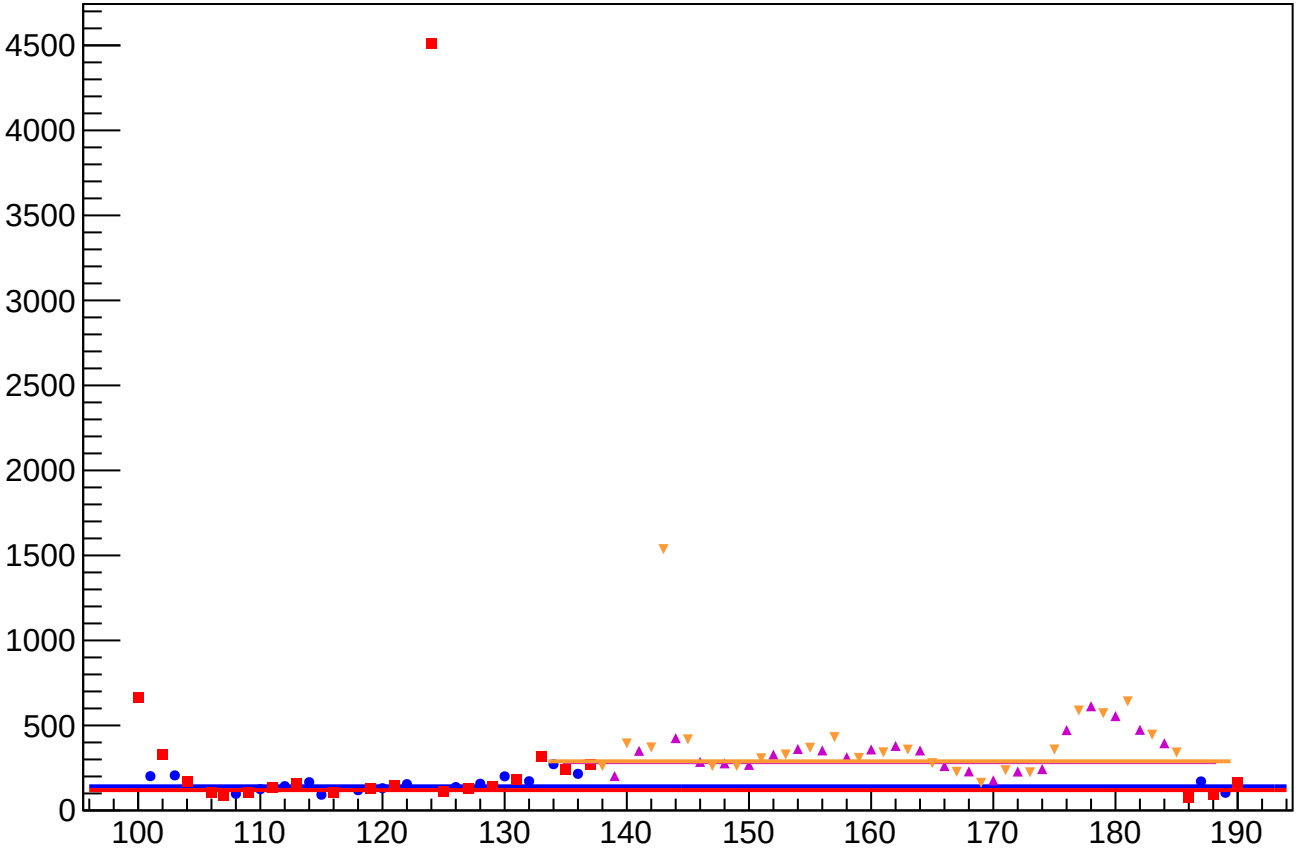
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF: 2197111.3/21

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

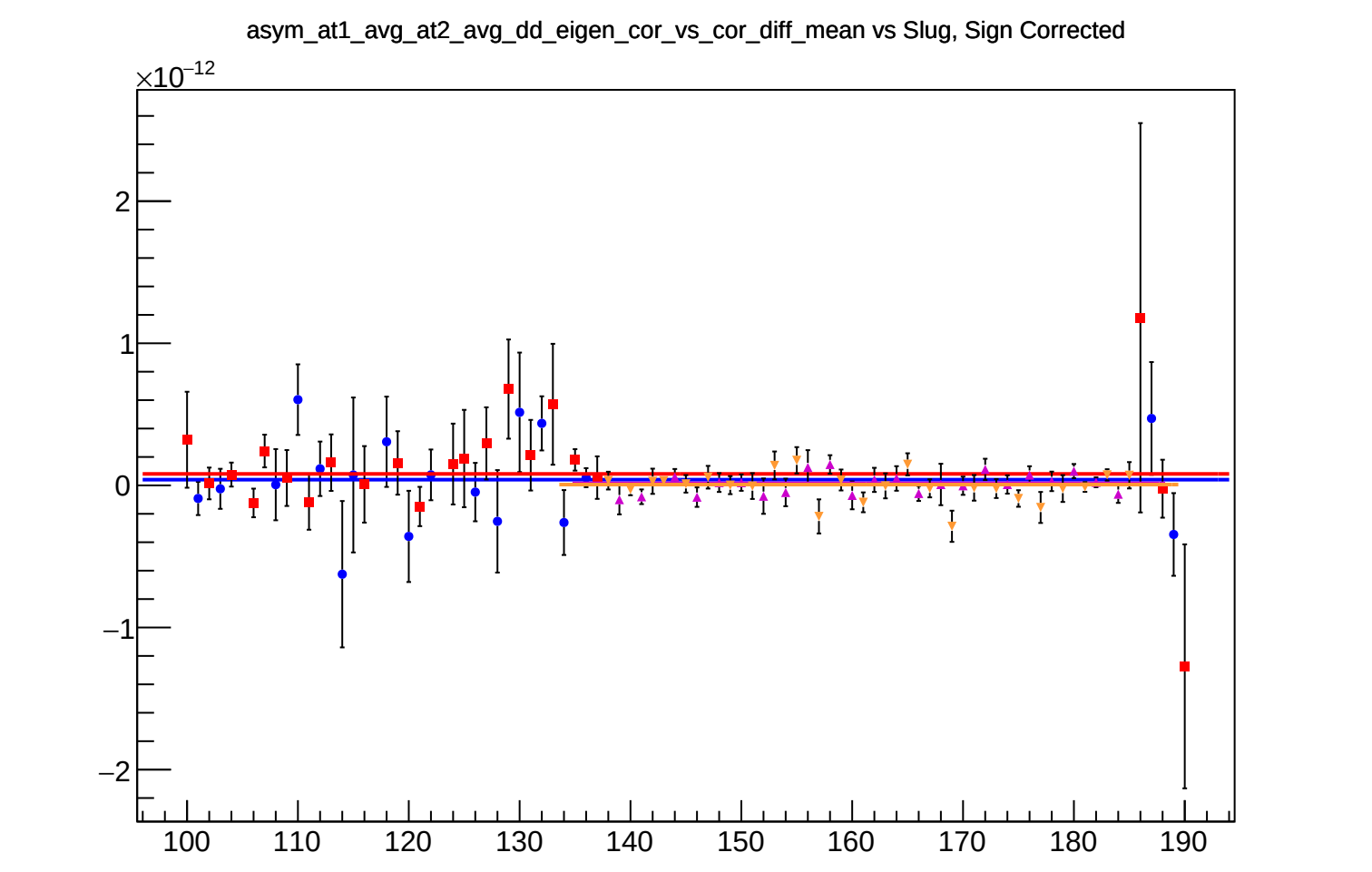
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 128.719+/-0.024 χ^2/NDF: 3552583.2/39

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.093+/-0.027 χ^2/NDF:15023643.0/46

All: 178.853+/-0.020 χ^2/NDF: 24876501.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/21

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

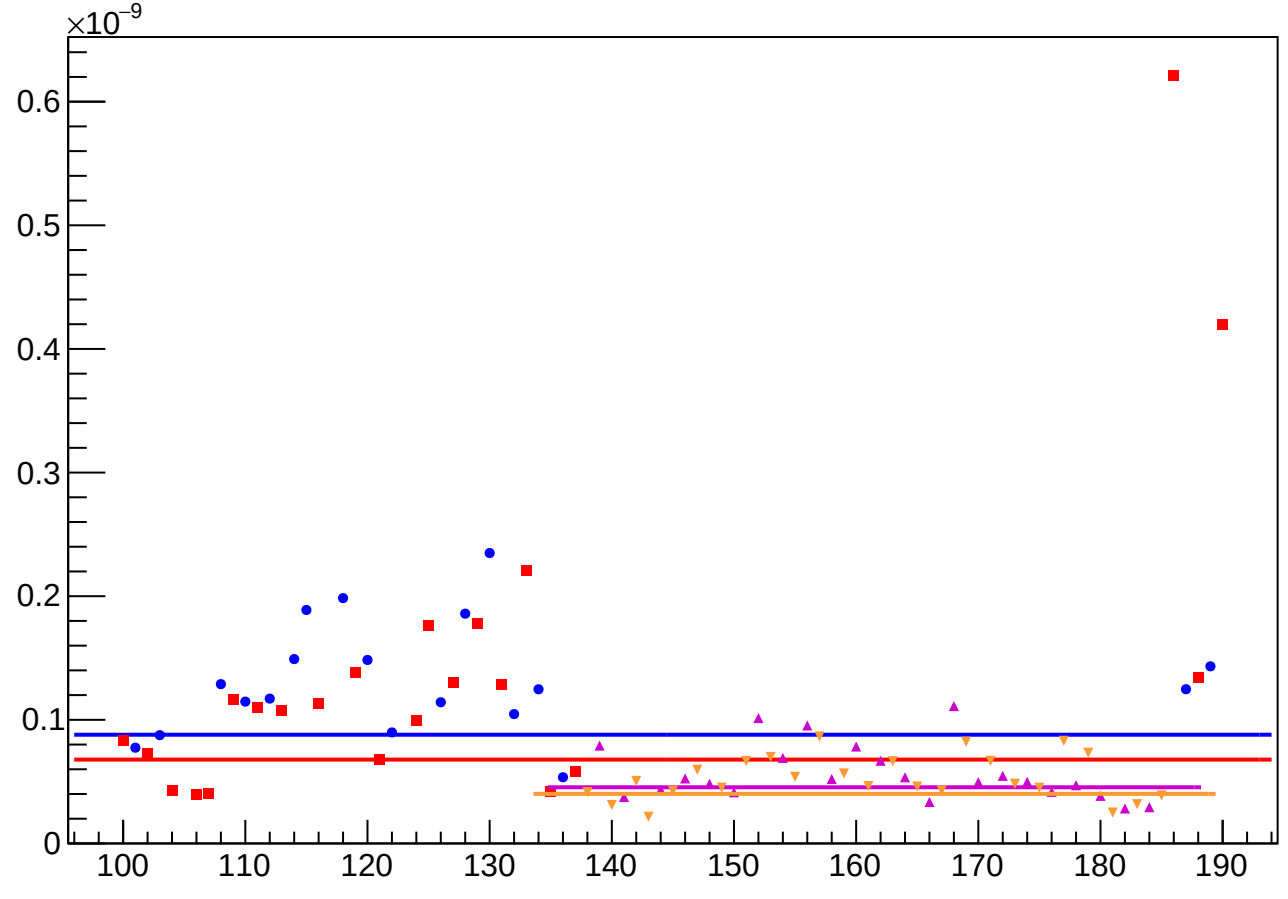
Right: 0.000+/-0.000 χ^2/NDF: 44.1/39

In: 0.000+/-0.000 χ^2/NDF:45.5/40

Out: 0.000+/-0.000 χ^2/NDF:60.1/46

All: 0.000+/-0.000 χ^2/NDF: 105.6/87

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: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3047292.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

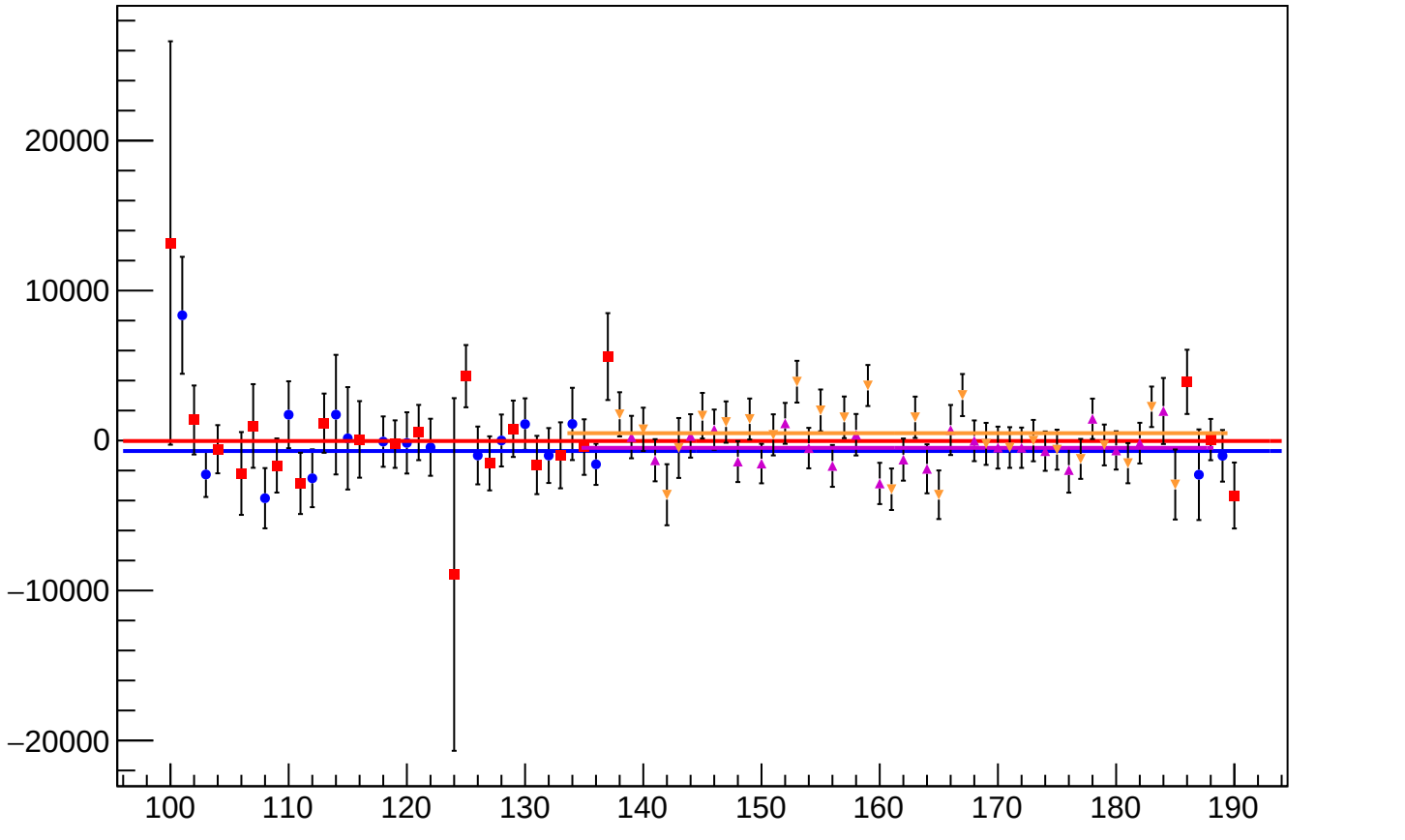
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4984126.6/39

In: 0.000+/-0.000 χ^2/NDF:6290057.1/40

Out: 0.000+/-0.000 χ^2/NDF:7850969.3/46

All: 0.000+/-0.000 χ^2/NDF: 14390042.4/87



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -30.143+/-440.413 χ^2/NDF: 22.0/21

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

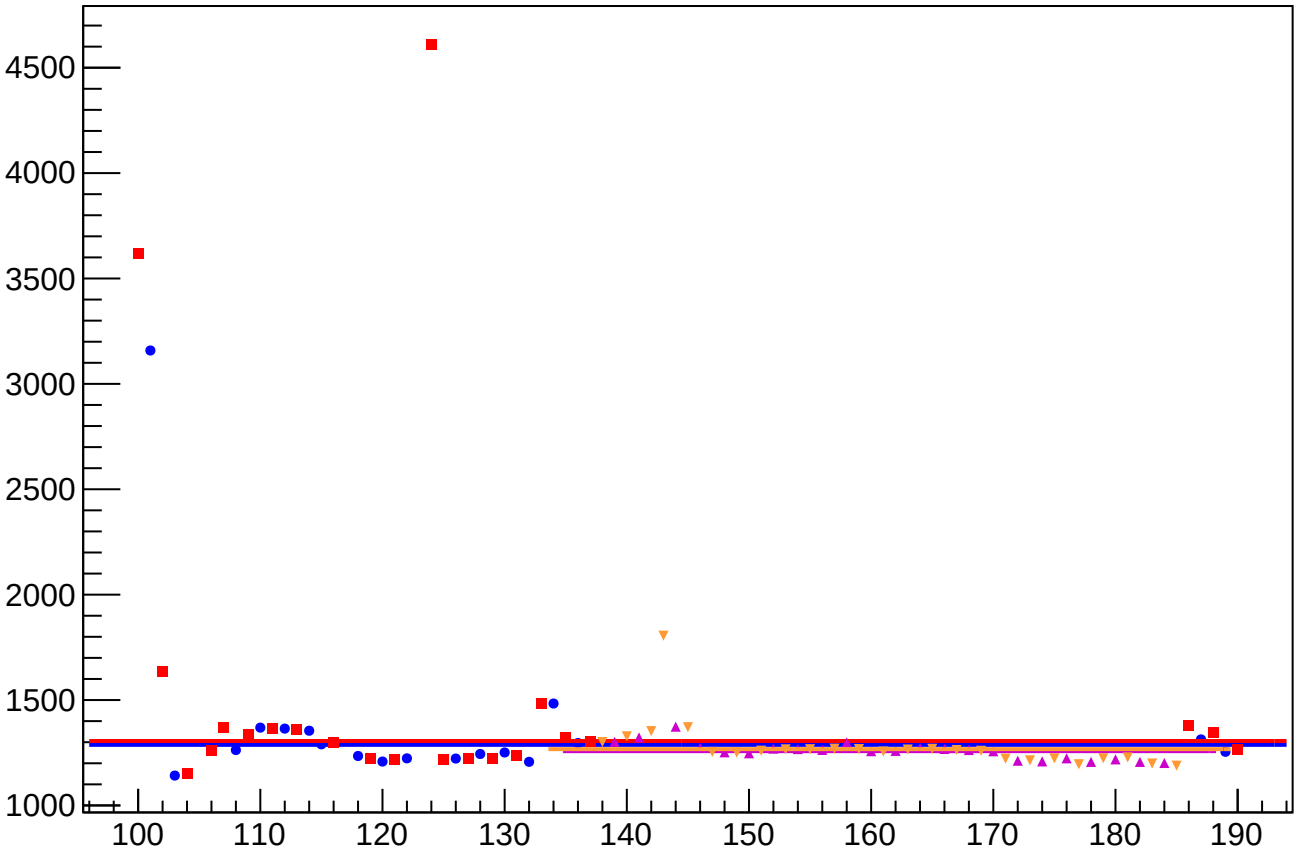
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -346.313+/-319.599 χ^2/NDF: 37.3/39

In: -547.163+/-248.284 χ^2/NDF:28.8/40

Out: 335.266+/-241.328 χ^2/NDF:69.9/46

All: -93.414+/-173.051 χ^2/NDF: 105.2/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1305.601+/-0.311 χ^2/NDF: 324540.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

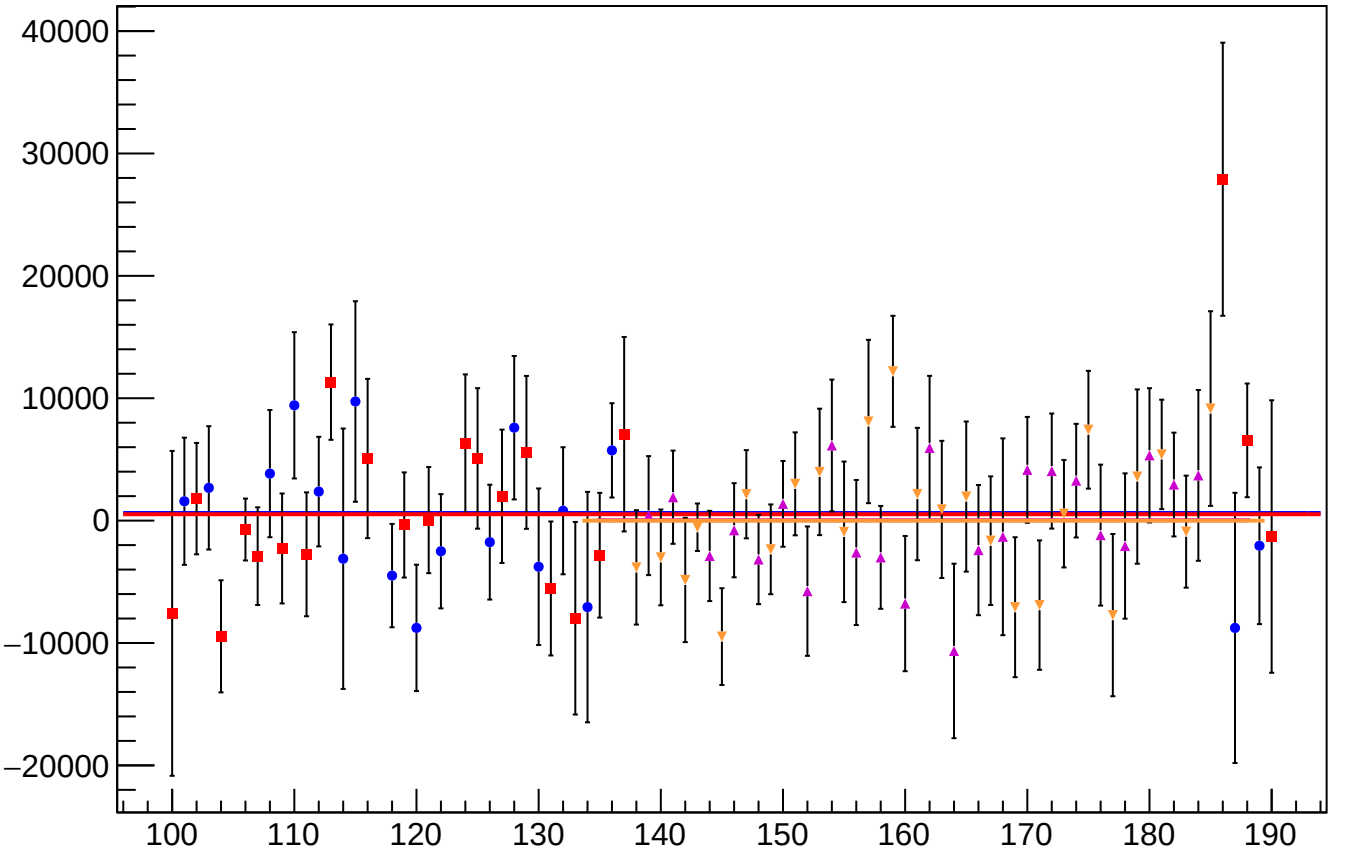
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.041+/-0.226 χ^2/NDF: 841737.9/39

In: 1266.101+/-0.176 χ^2/NDF:558336.5/40

Out: 1278.602+/-0.171 χ^2/NDF:522887.5/46

All: 1272.533+/-0.122 χ^2/NDF: 1083832.8/87



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 521.331+/-1070.574 χ^2/NDF: 26.4/21

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

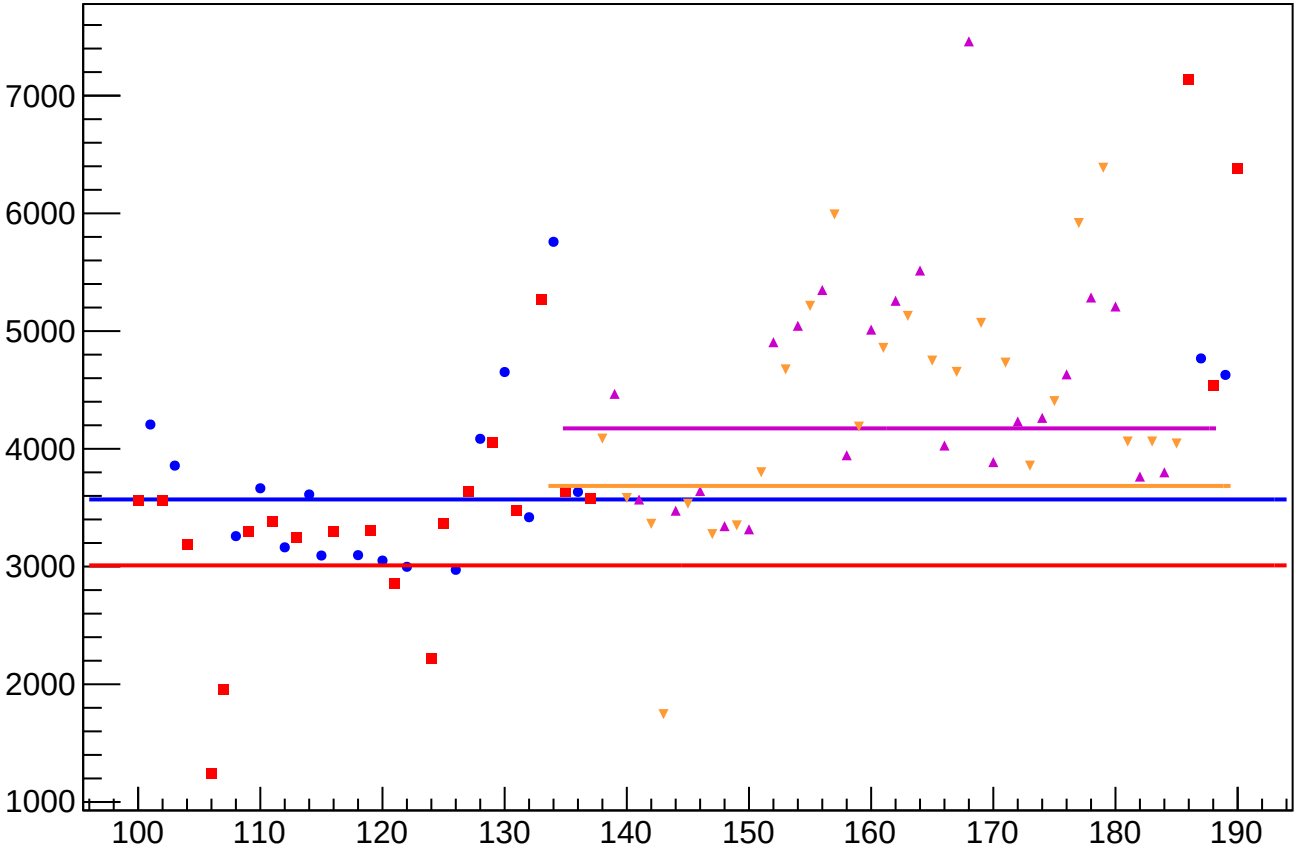
Right: 561.814+/-823.539 χ^2/NDF: 41.4/39

In: 251.592+/-787.787 χ^2/NDF:29.1/40

Out: 211.700+/-682.790 χ^2/NDF:55.6/46

All: 228.812+/-515.964 χ^2/NDF: 84.7/87

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3009.926+/-0.757 χ^2/NDF: 2216475.4/21

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

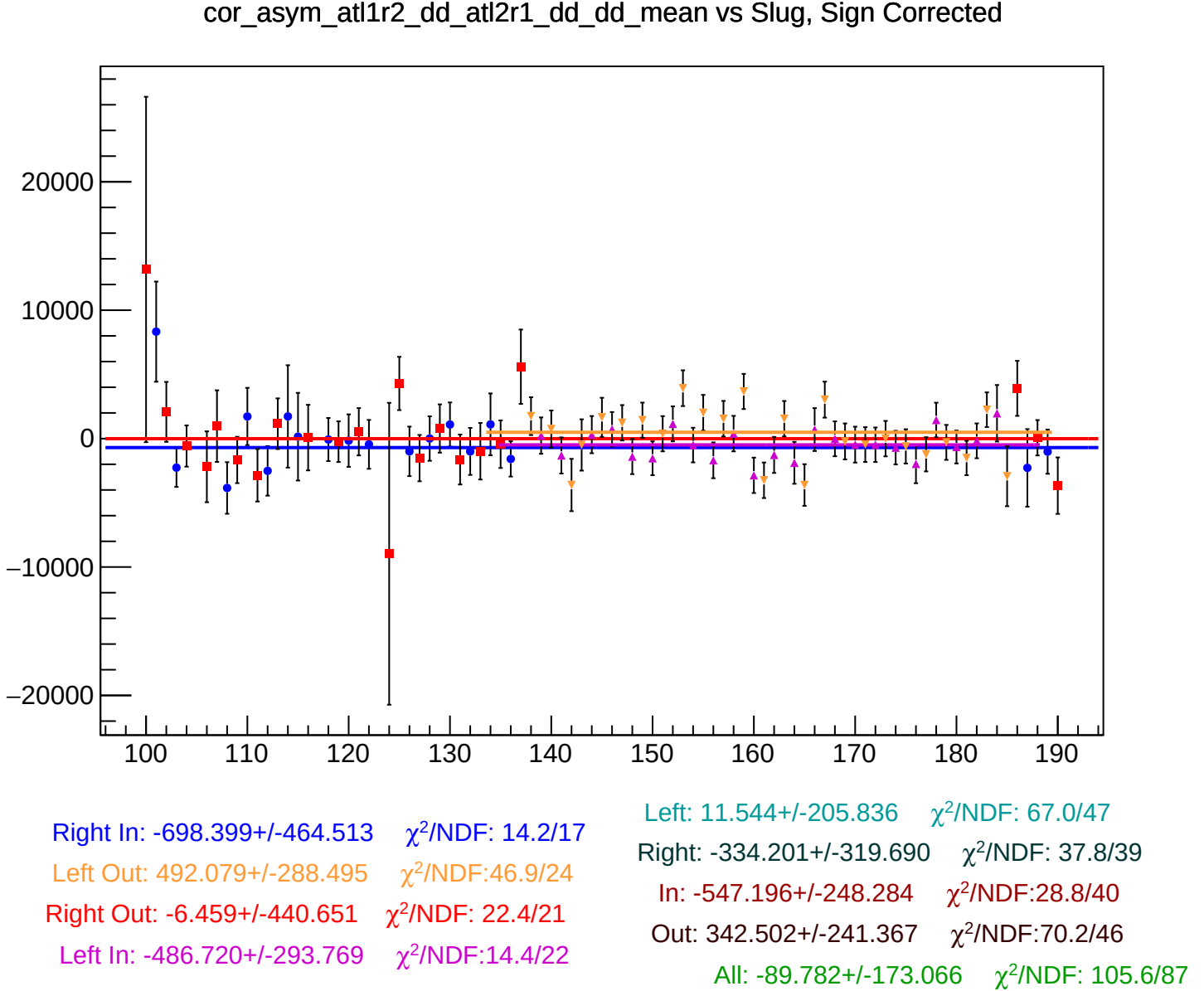
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

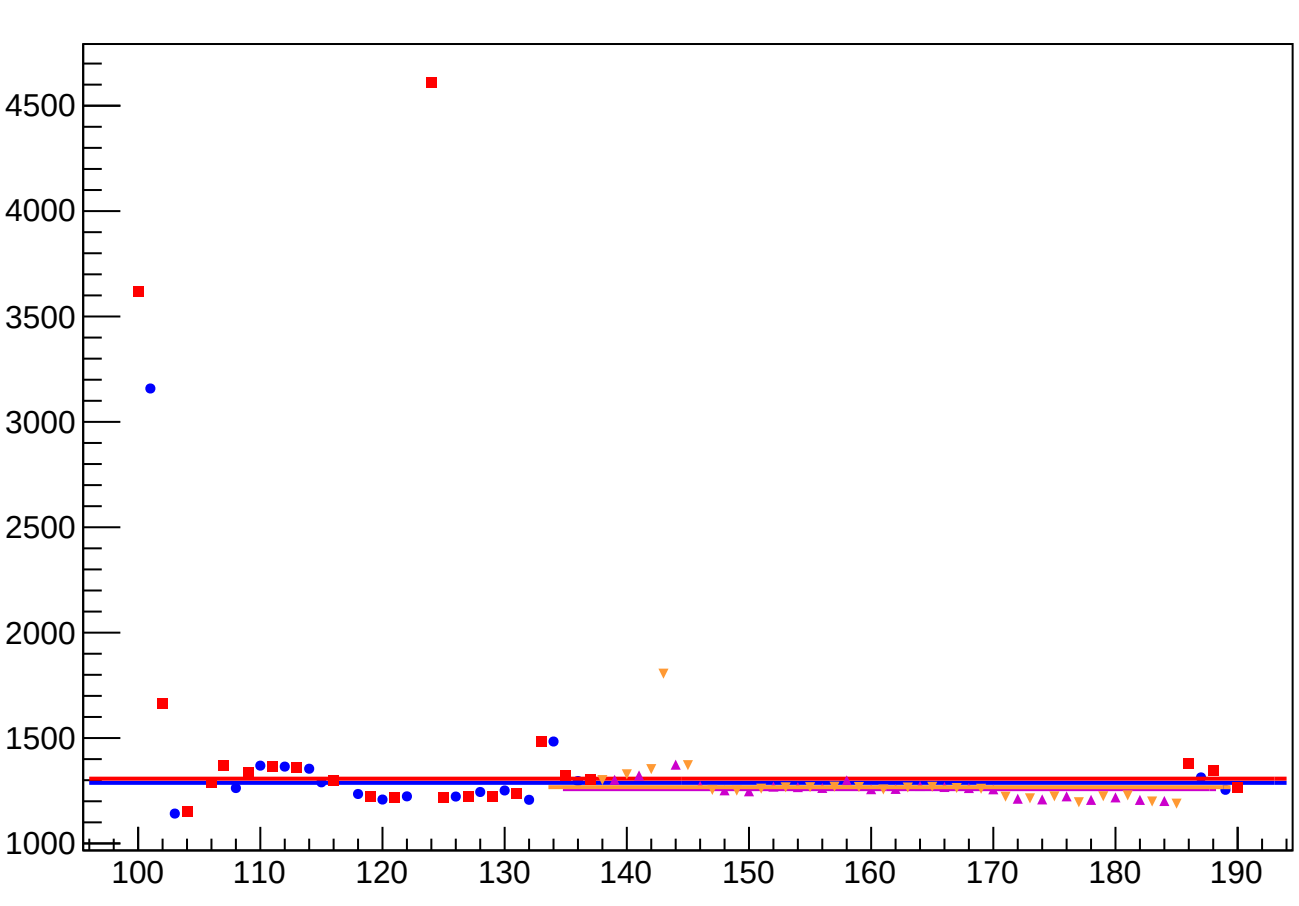
Right: 3238.569+/-0.582 χ^2/NDF: 2876504.9/39

In: 3948.073+/-0.557 χ^2/NDF:1986291.4/40

Out: 3410.268+/-0.483 χ^2/NDF:6381565.7/46

All: 3640.967+/-0.365 χ^2/NDF: 8900119.4/87


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -698.399+/-464.513 χ²/NDF: 14.2/17
Left Out: 492.079+/-288.495 χ²/NDF:46.9/24
Right Out: -6.459+/-440.651 χ²/NDF: 22.4/21
Left In: -486.720+/-293.769 χ²/NDF:14.4/22
Left: 11.544+/-205.836 χ²/NDF: 67.0/47
Right: -334.201+/-319.690 χ²/NDF: 37.8/39
In: -547.196+/-248.284 χ²/NDF:28.8/40
Out: 342.502+/-241.367 χ²/NDF:70.2/46
All: -89.782+/-173.066 χ²/NDF: 105.6/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF: 330840.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

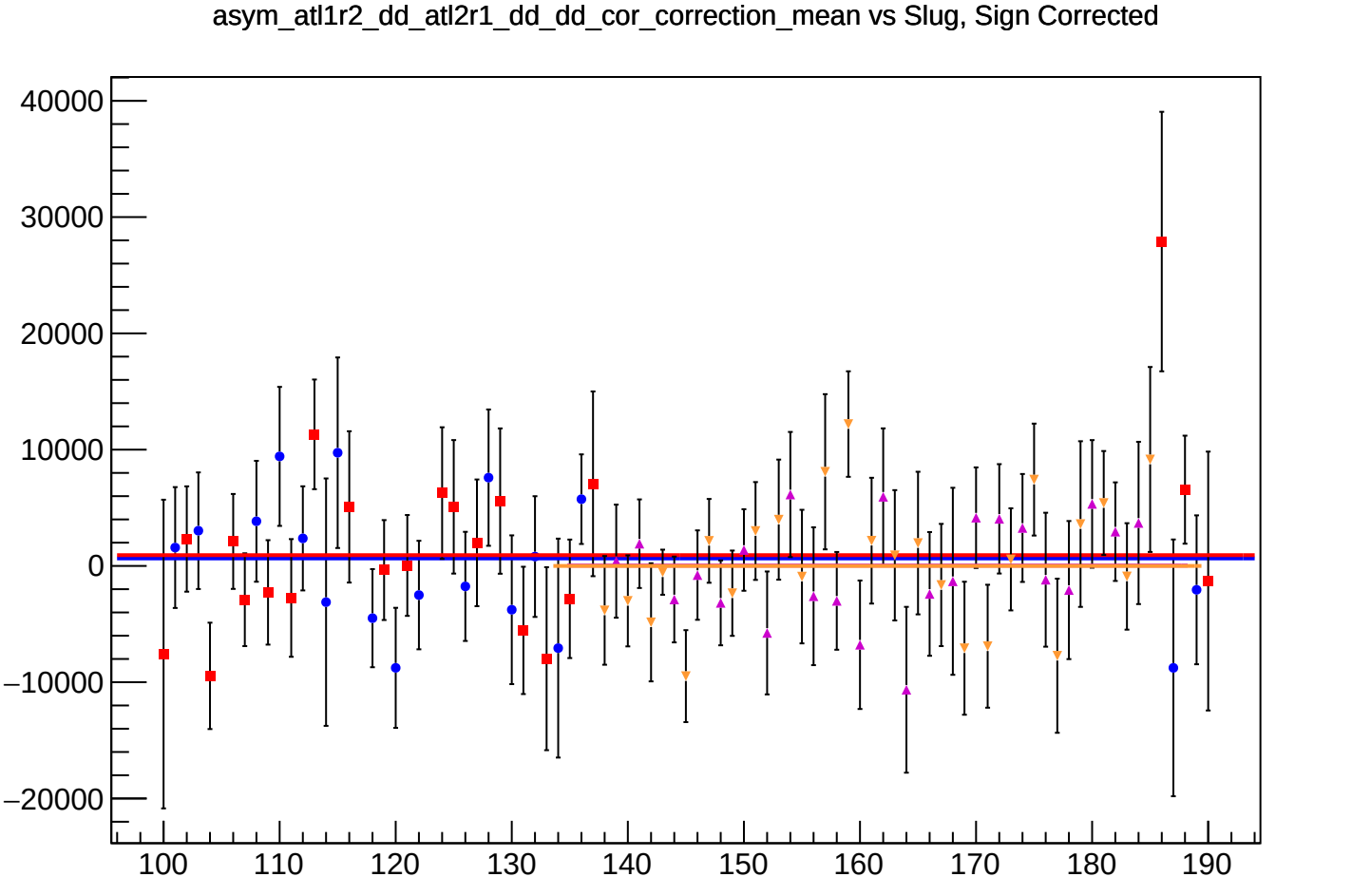
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

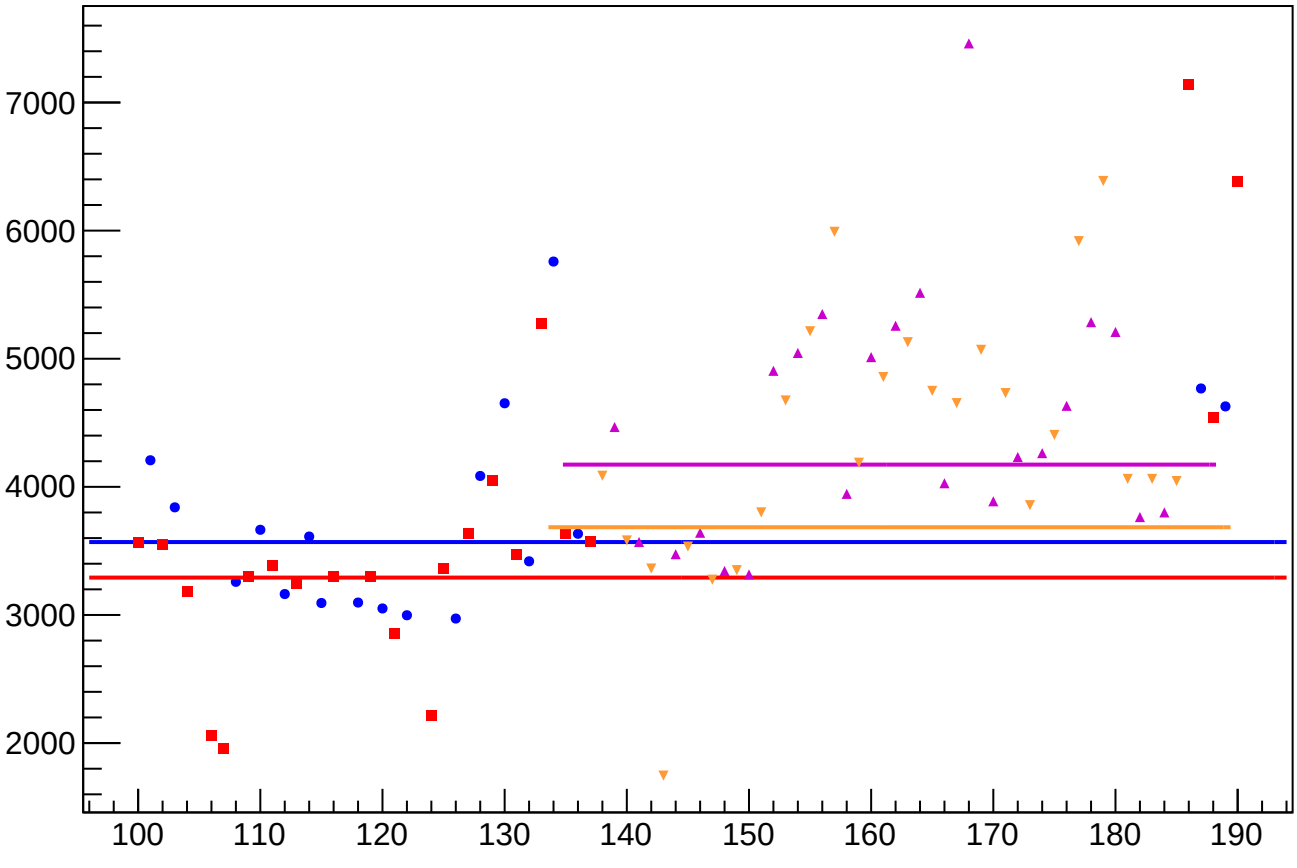
Right: 1297.911+/-0.226 χ^2/NDF: 848347.1/39

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.086+/-0.171 χ^2/NDF:530122.7/46

All: 1272.780+/-0.122 χ^2/NDF: 1091274.1/87


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 644.987+/-1288.480 χ²/NDF: 15.0/17
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 927.344+/-1134.615 χ²/NDF: 26.3/21
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 804.023+/-851.524 χ²/NDF: 41.3/39
In: 260.838+/-787.691 χ²/NDF:29.2/40
Out: 351.178+/-698.553 χ²/NDF:55.7/46
All: 311.407+/-522.637 χ²/NDF: 84.9/87



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF: 1222238.2/21

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

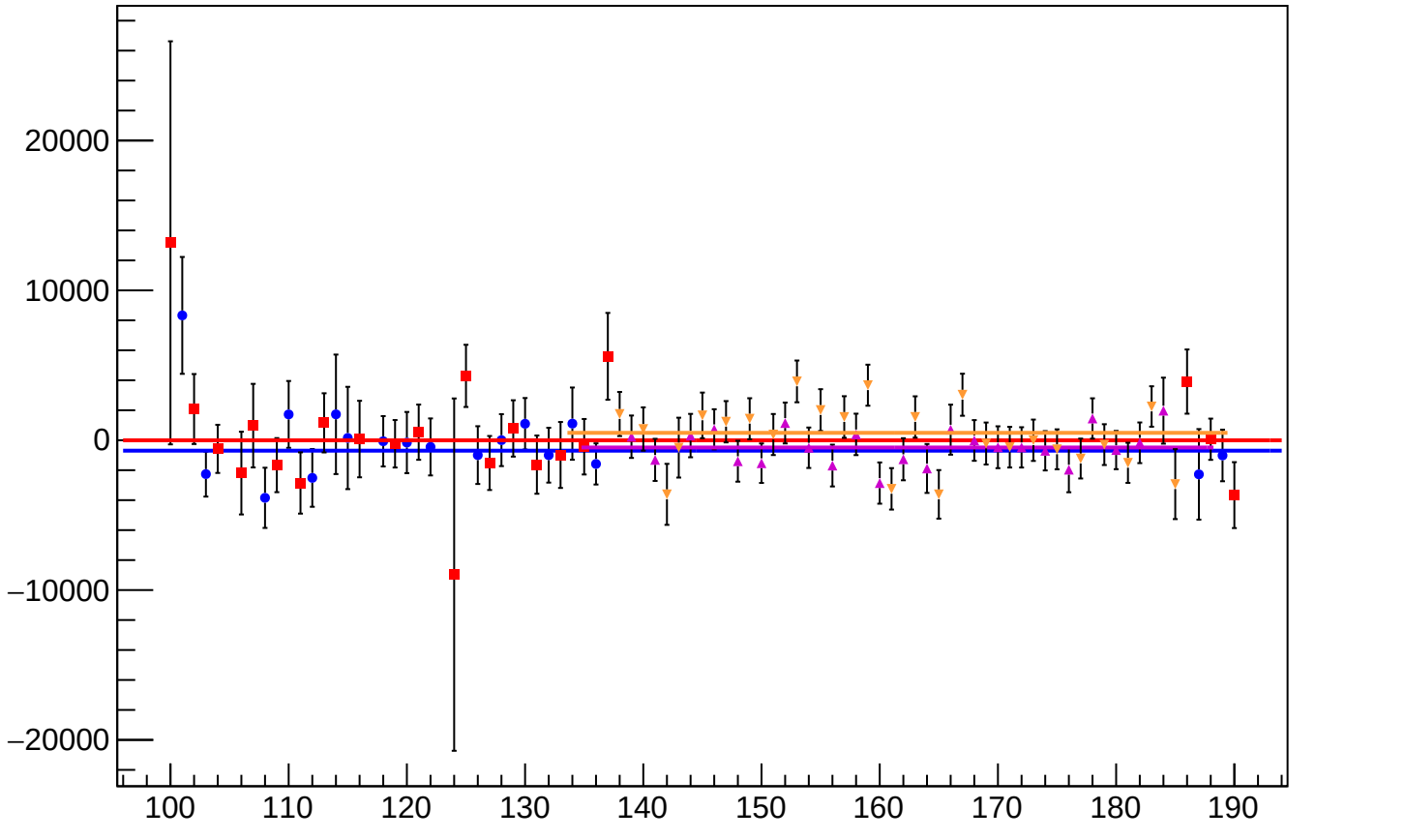
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3412.878+/-0.602 χ^2/NDF: 1710390.4/39

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3535.793+/-0.494 χ^2/NDF:5064921.5/46

All: 3717.104+/-0.370 χ^2/NDF: 7357585.2/87



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -6.459+/-440.651 χ^2/NDF: 22.4/21

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

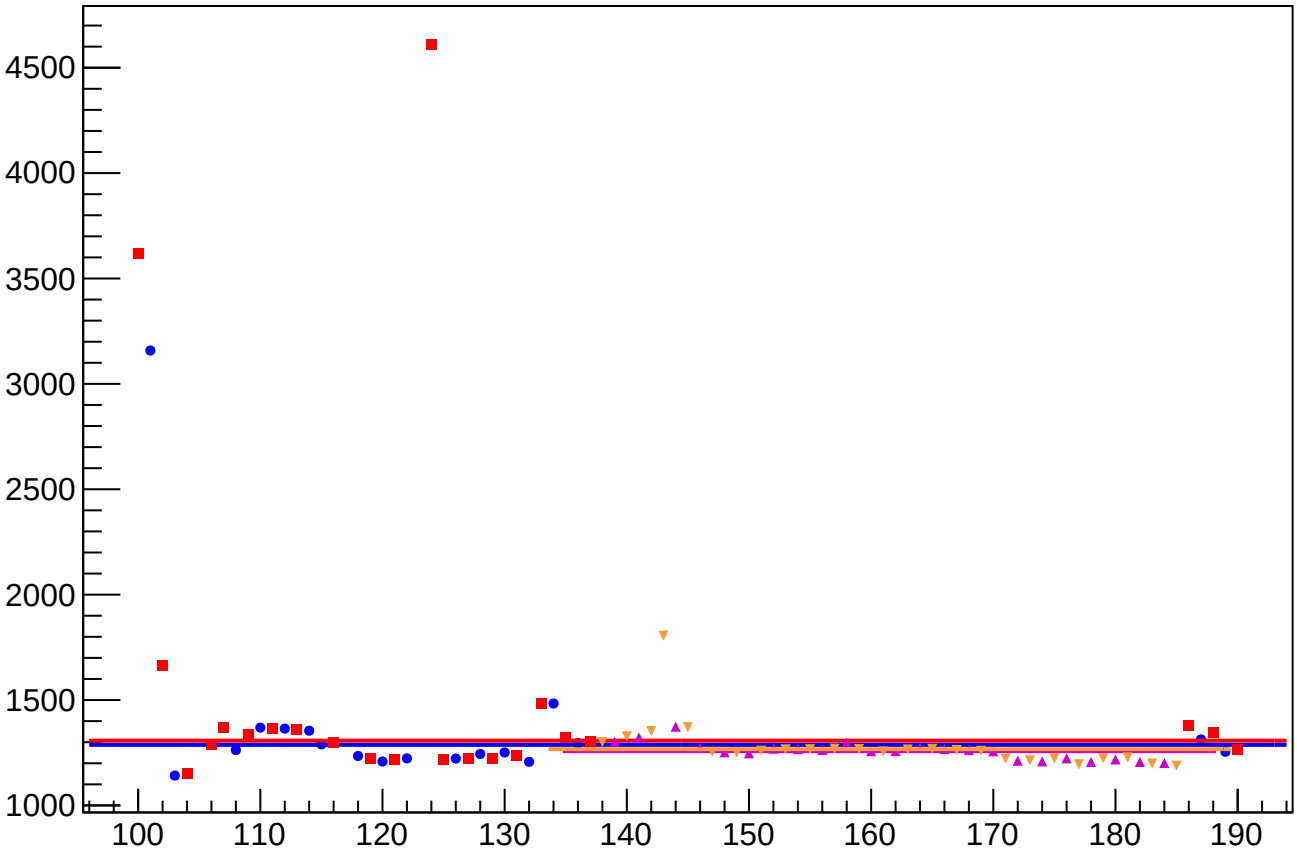
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -334.201+/-319.690 χ^2/NDF: 37.8/39

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 342.502+/-241.367 χ^2/NDF:70.2/46

All: -89.782+/-173.066 χ^2/NDF: 105.6/87



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF: 330840.5/21

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

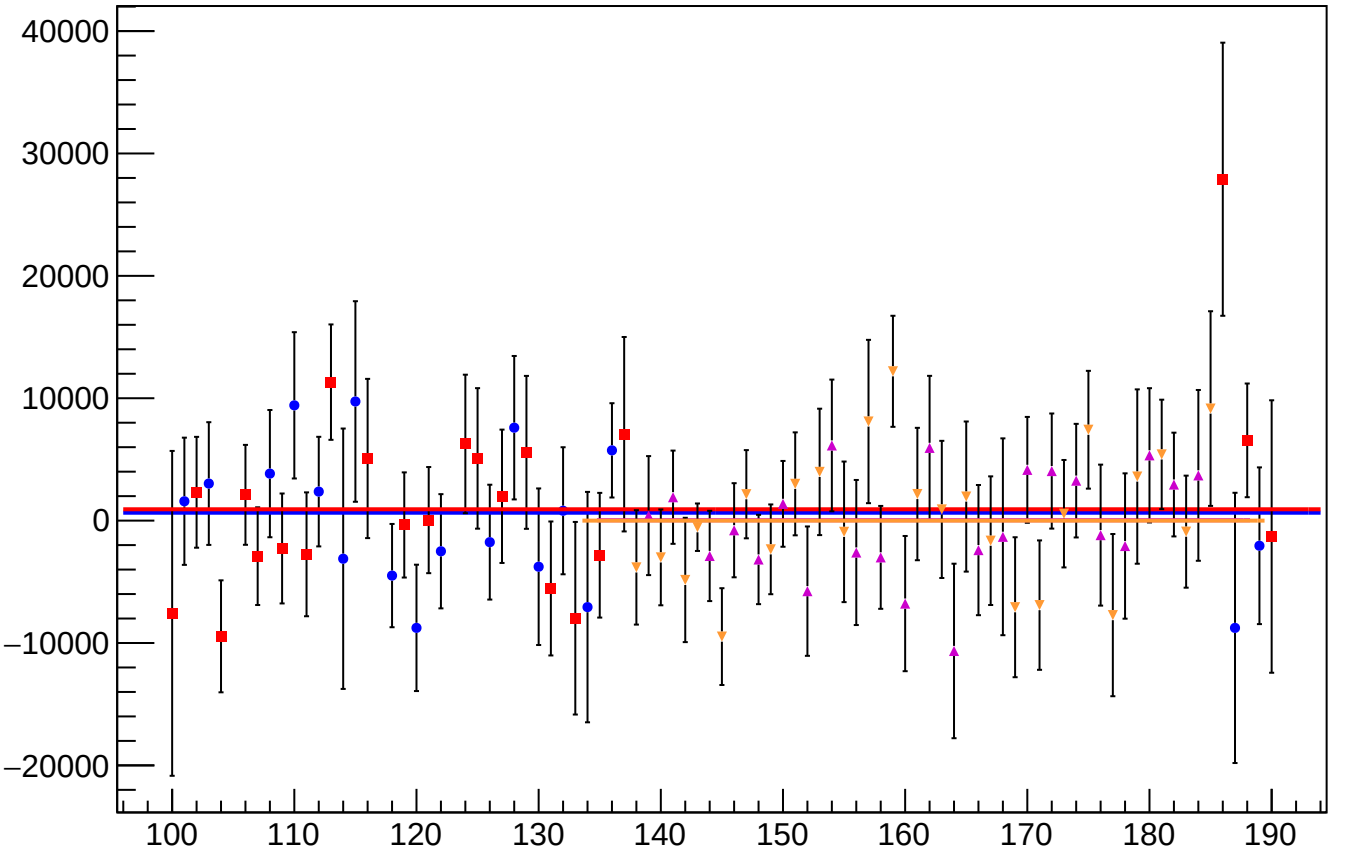
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.911+/-0.226 χ^2/NDF: 848347.1/39

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.086+/-0.171 χ^2/NDF:530122.7/46

All: 1272.780+/-0.122 χ^2/NDF: 1091274.1/87



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 927.344+/-1134.615 χ^2/NDF: 26.3/21

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

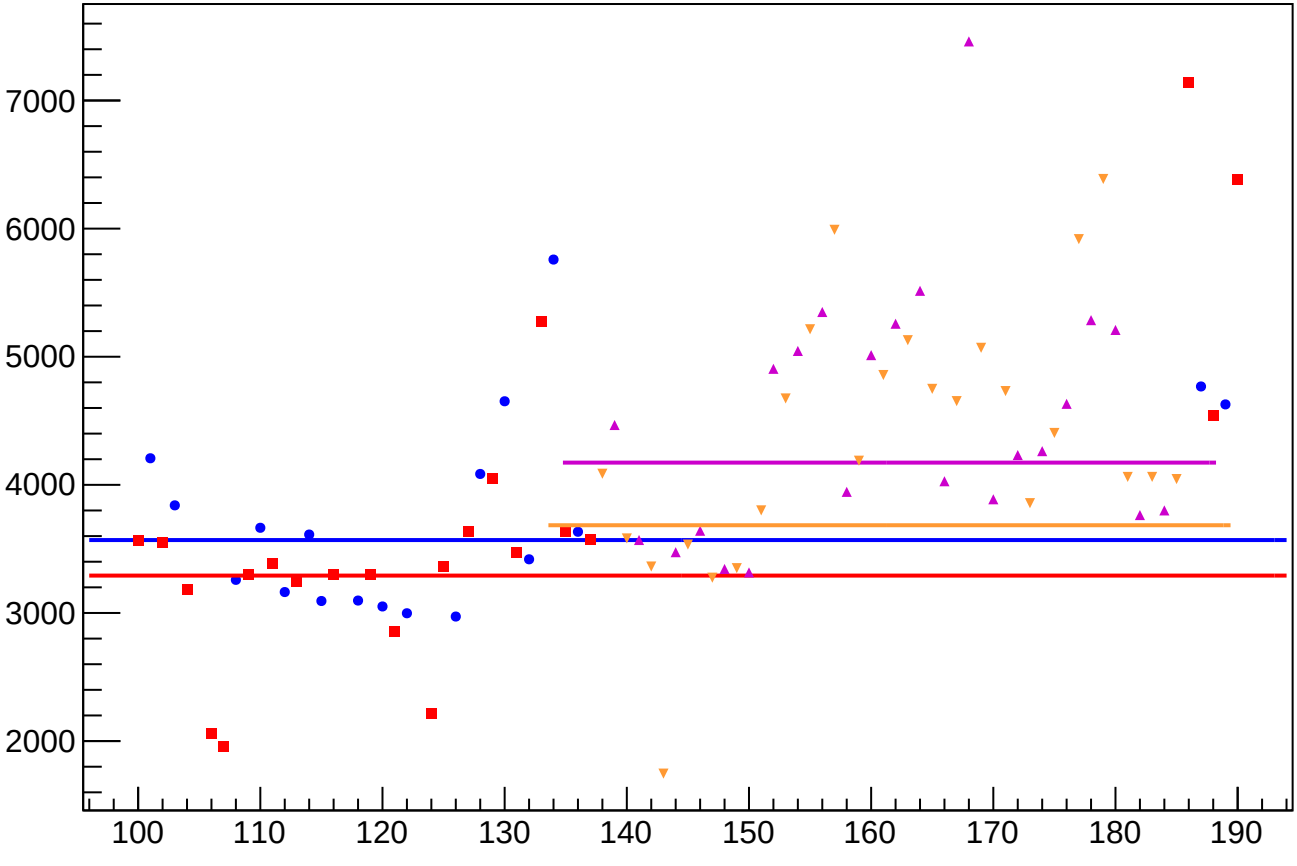
Right: 804.023+/-851.524 χ^2/NDF: 41.3/39

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 351.178+/-698.553 χ^2/NDF:55.7/46

All: 311.407+/-522.637 χ^2/NDF: 84.9/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF: 1222238.2/21

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

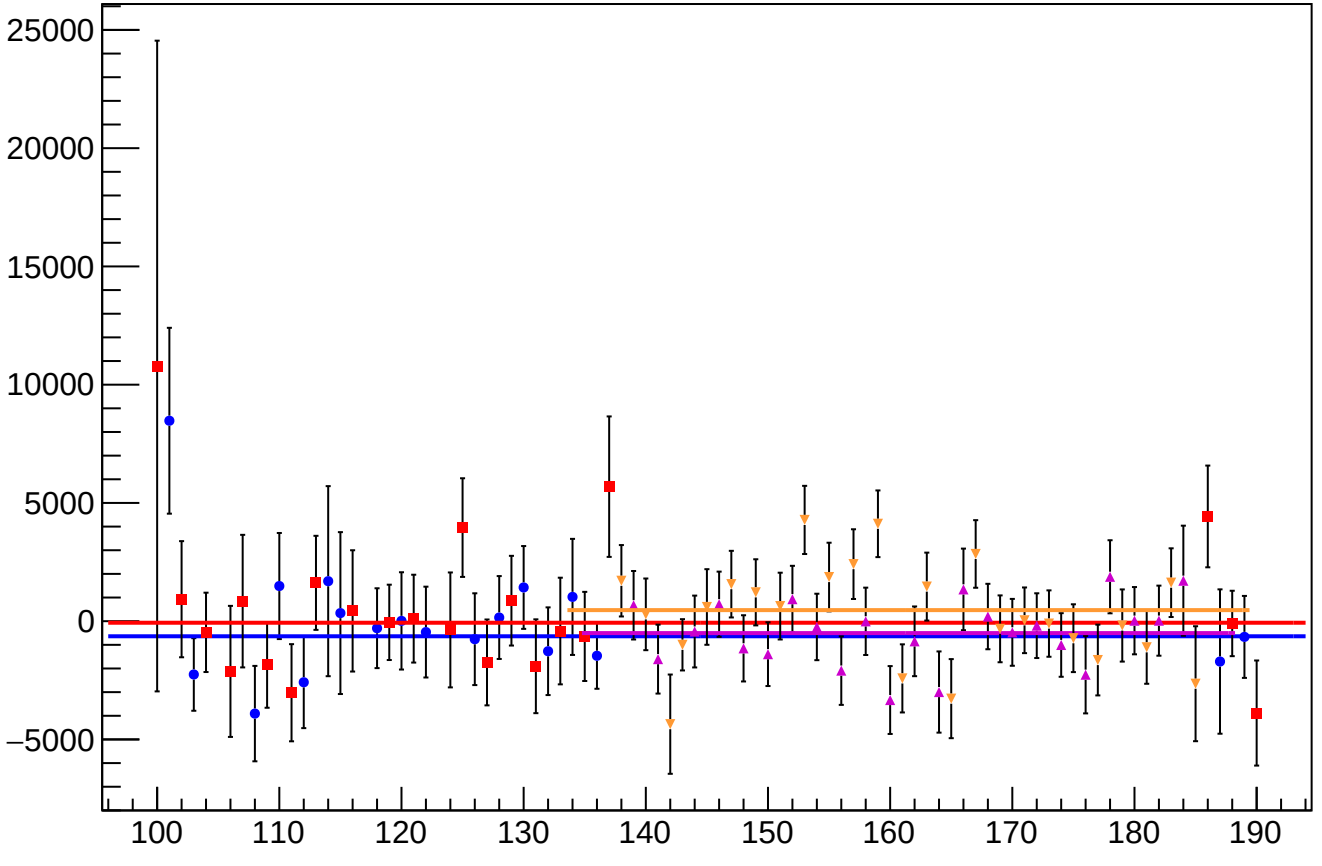
Right: 3412.878+/-0.602 χ^2/NDF: 1710390.4/39

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3535.793+/-0.494 χ^2/NDF:5064921.5/46

All: 3717.104+/-0.370 χ^2/NDF: 7357585.2/87

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -65.657+/-439.237 χ^2/NDF: 22.2/21

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

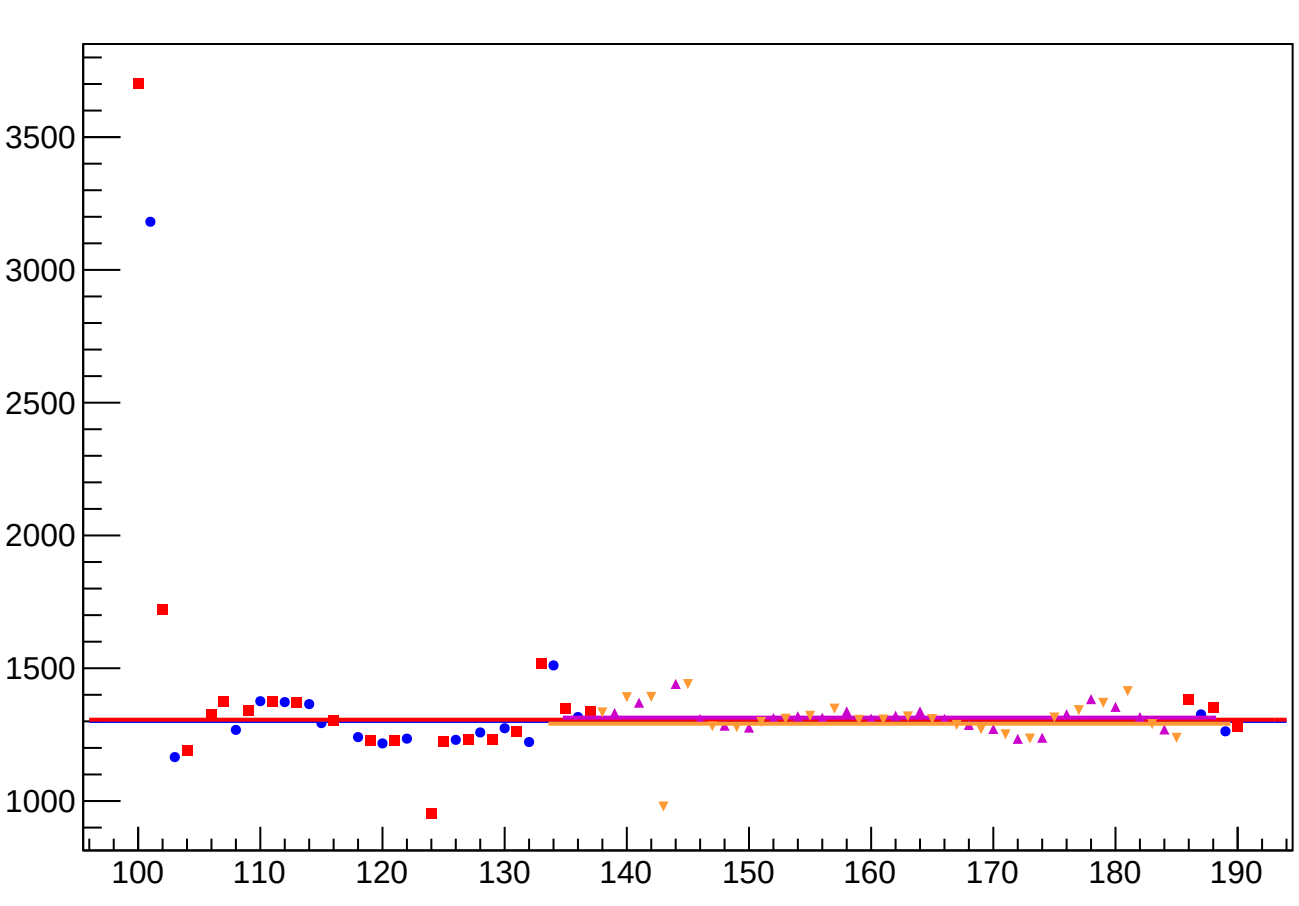
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -332.737+/-320.778 χ^2/NDF: 37.2/39

In: -543.823+/-256.990 χ^2/NDF:31.7/40

Out: 302.637+/-244.468 χ^2/NDF:67.3/46

All: -99.469+/-177.126 χ^2/NDF: 104.7/87



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1306.216+/-0.310 χ^2/NDF: 218896.5/21

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

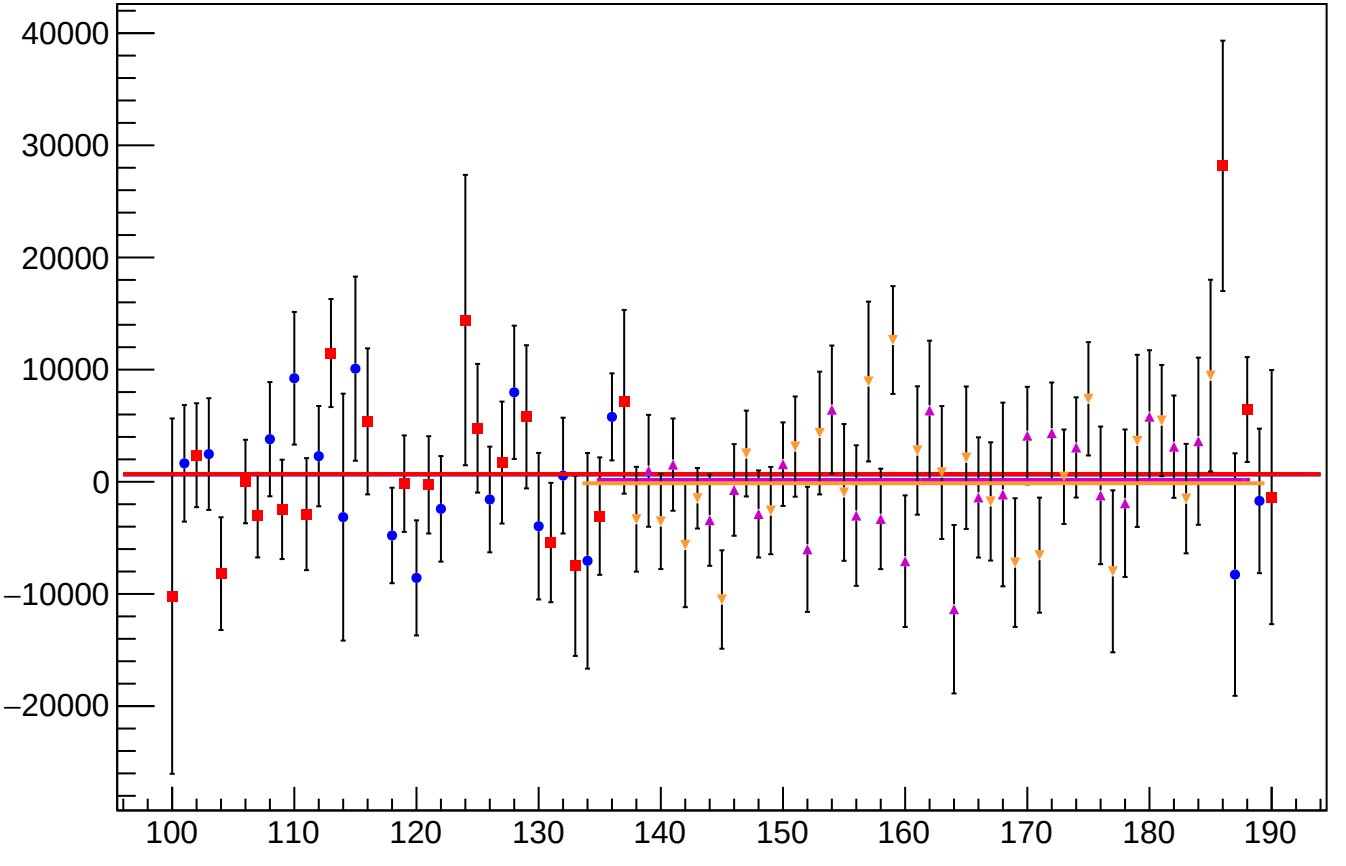
Right: 1304.050+/-0.227 χ^2/NDF: 730790.6/39

In: 1310.282+/-0.182 χ^2/NDF:555816.7/40

Out: 1295.863+/-0.173 χ^2/NDF:451244.1/46

All: 1302.711+/-0.125 χ^2/NDF: 1010366.3/87

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 693.747+/-1150.121 χ^2/NDF: 24.7/21

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

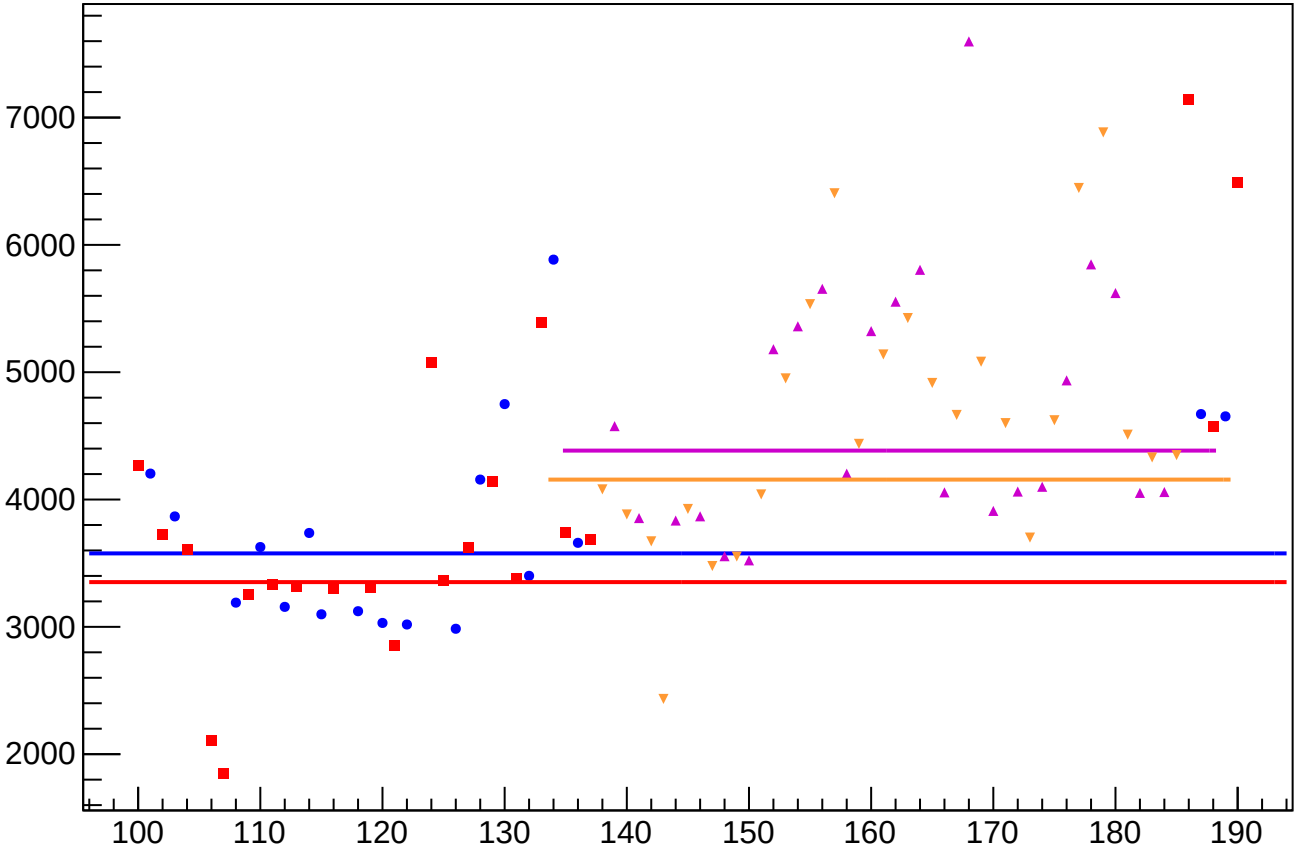
Right: 674.222+/-858.701 χ^2/NDF: 39.7/39

In: 353.640+/-812.436 χ^2/NDF:28.8/40

Out: 216.950+/-744.709 χ^2/NDF:53.6/46

All: 279.361+/-548.974 χ^2/NDF: 82.5/87

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3351.477+/-0.813 χ^2/NDF: 1327397.5/21

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

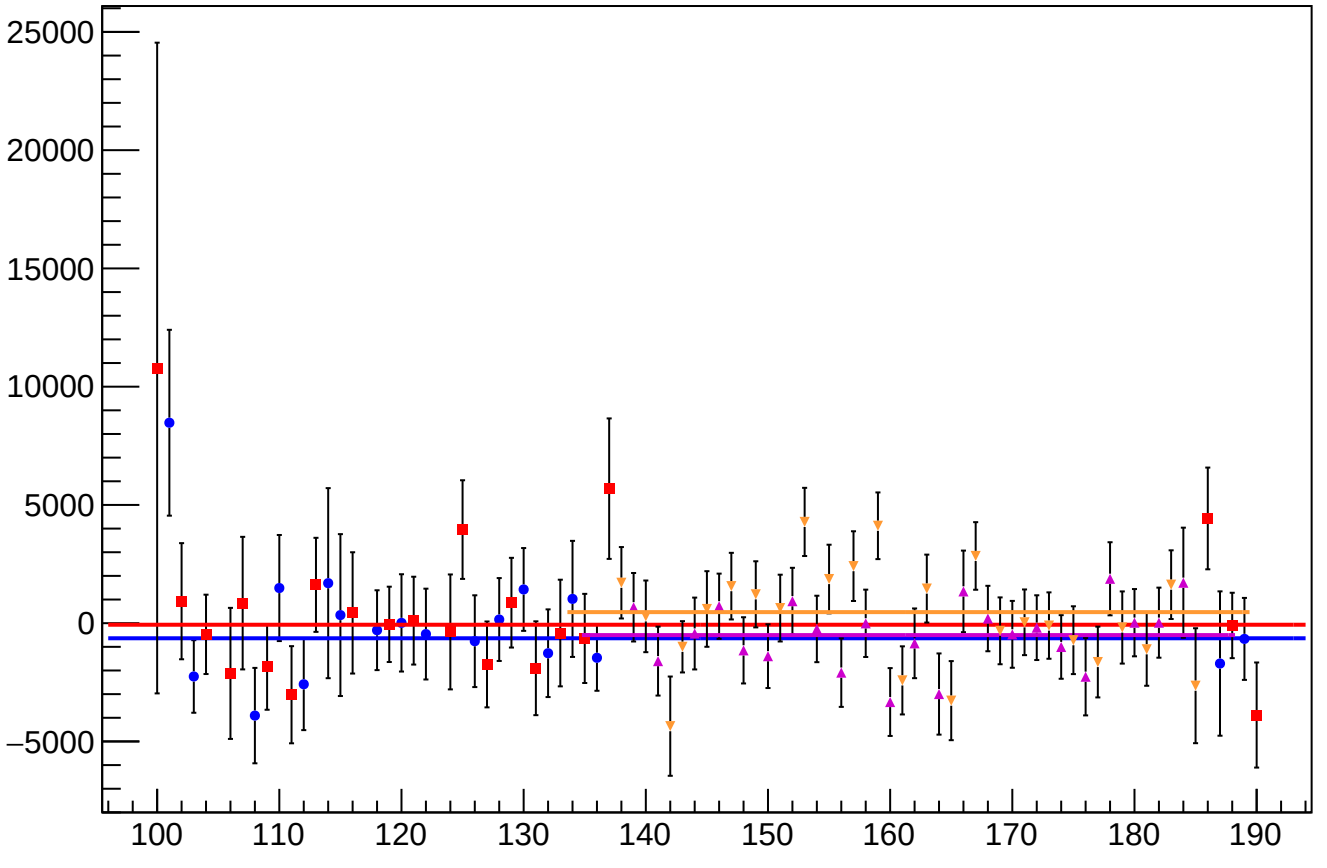
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3451.257+/-0.607 χ^2/NDF: 1817197.1/39

In: 4064.470+/-0.574 χ^2/NDF:2183758.6/40

Out: 3819.031+/-0.527 χ^2/NDF:3977314.6/46

All: 3931.095+/-0.388 χ^2/NDF: 6260263.4/87



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -65.663+/-439.237 χ^2/NDF: 22.2/21

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

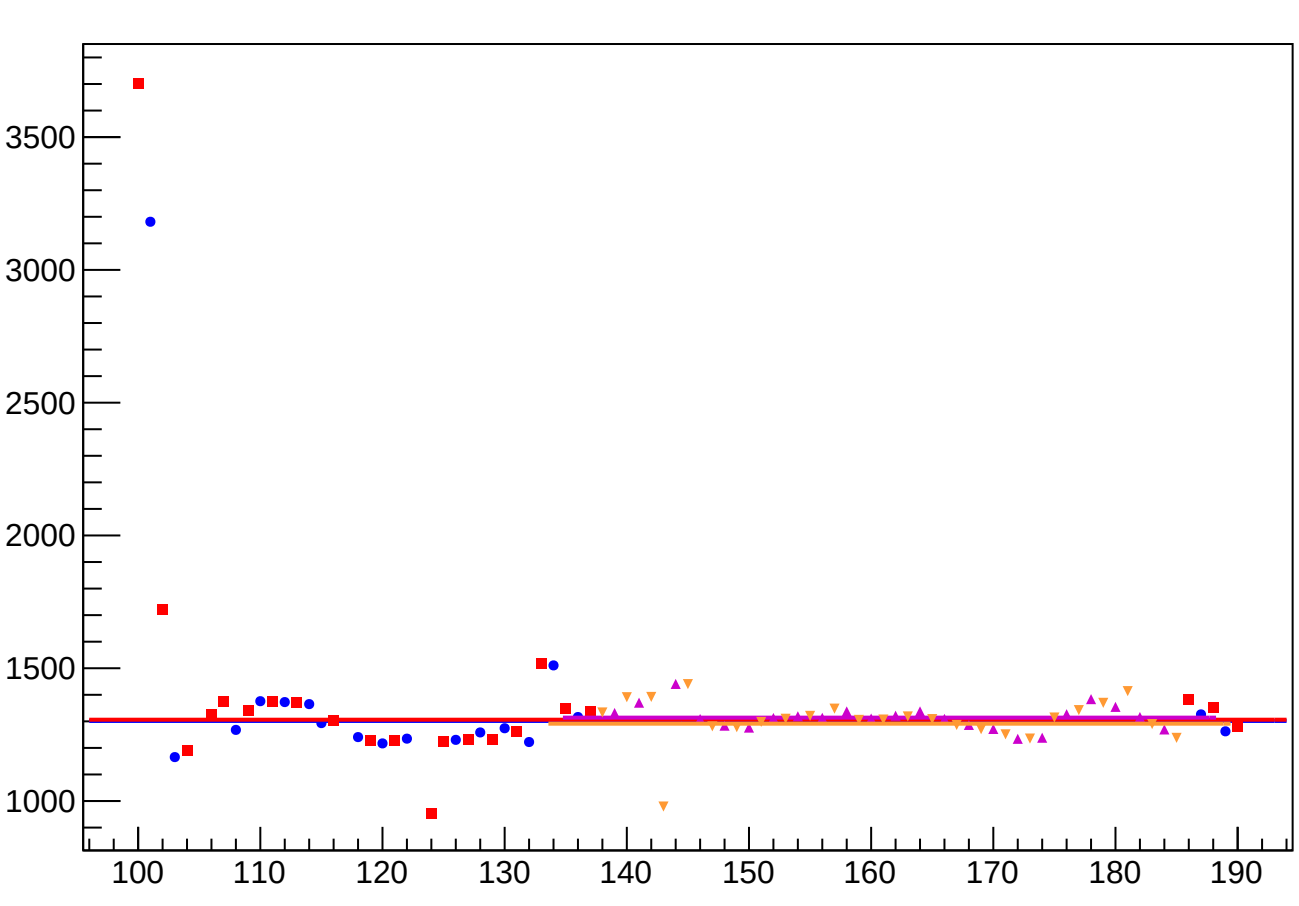
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -332.742+/-320.778 χ^2/NDF: 37.2/39

In: -543.824+/-256.990 χ^2/NDF:31.7/40

Out: 302.638+/-244.468 χ^2/NDF:67.3/46

All: -99.469+/-177.127 χ^2/NDF: 104.7/87



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1306.216+/-0.310 χ^2/NDF: 218896.6/21

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

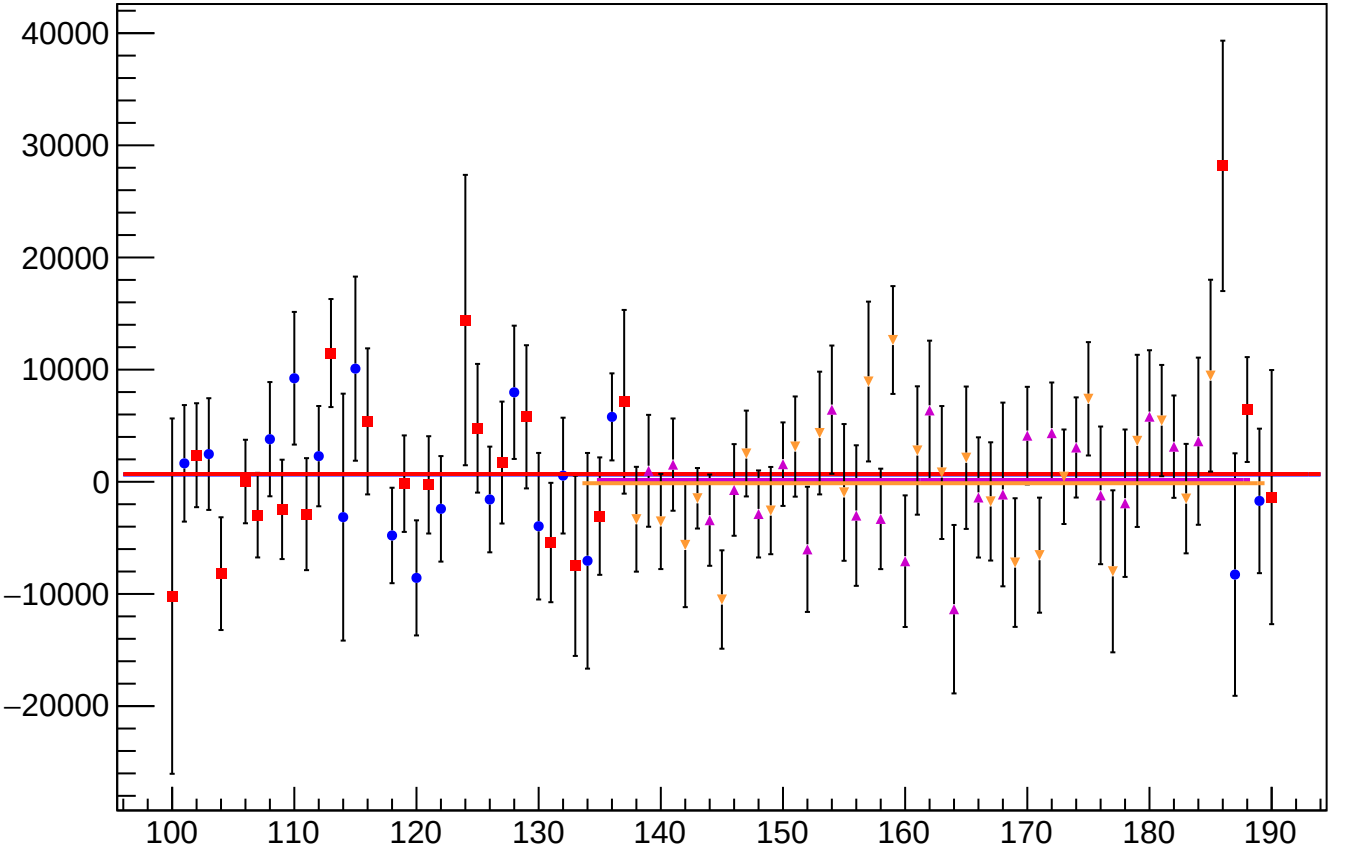
Right: 1304.050+/-0.227 χ^2/NDF: 730790.8/39

In: 1310.282+/-0.182 χ^2/NDF:555819.2/40

Out: 1295.864+/-0.173 χ^2/NDF:451246.4/46

All: 1302.712+/-0.125 χ^2/NDF: 1010371.1/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 693.740+/-1150.118 χ^2/NDF: 24.7/21

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

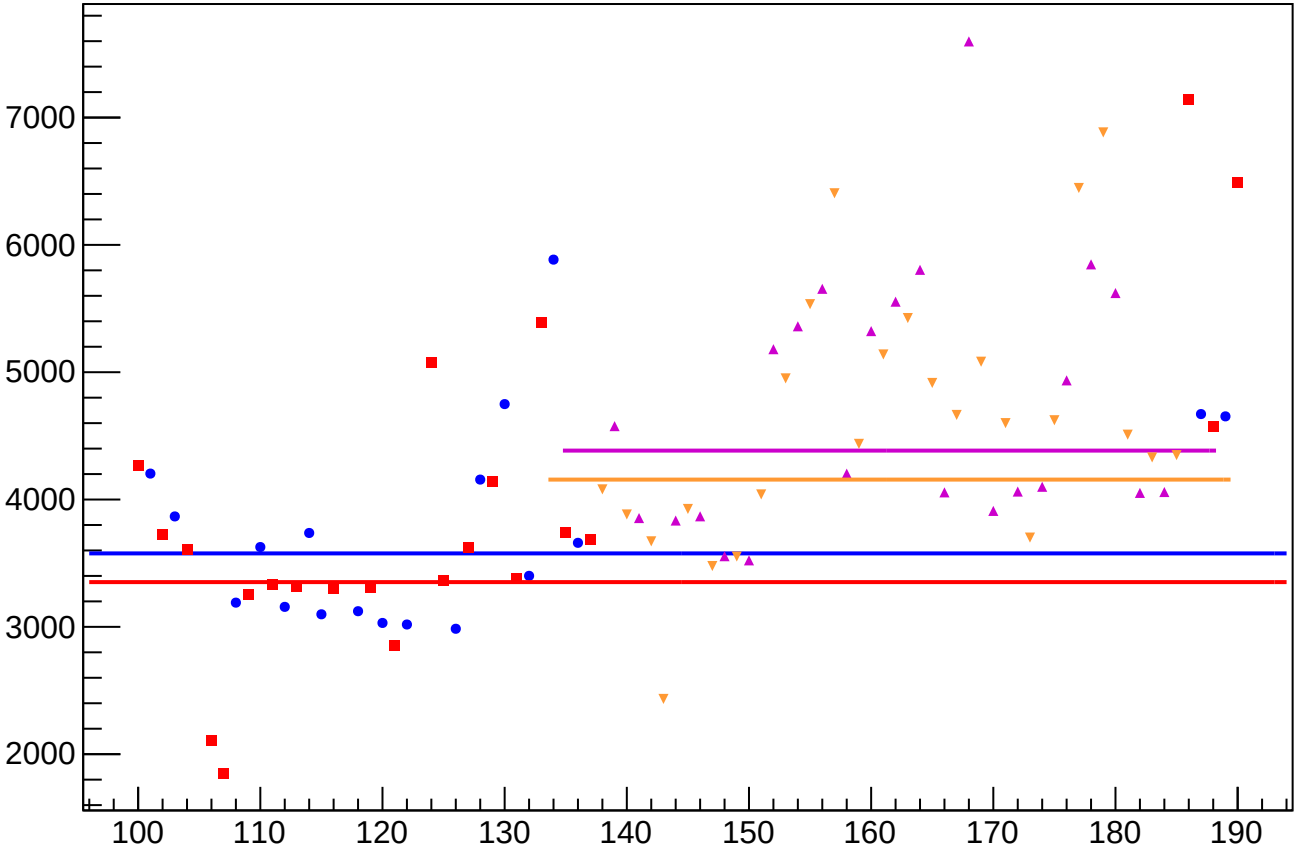
Right: 674.214+/-858.699 χ^2/NDF: 39.7/39

In: 353.638+/-812.436 χ^2/NDF:28.8/40

Out: 216.951+/-744.709 χ^2/NDF:53.6/46

All: 279.360+/-548.974 χ^2/NDF: 82.5/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3351.469+/-0.813 χ^2/NDF: 1327403.2/21

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

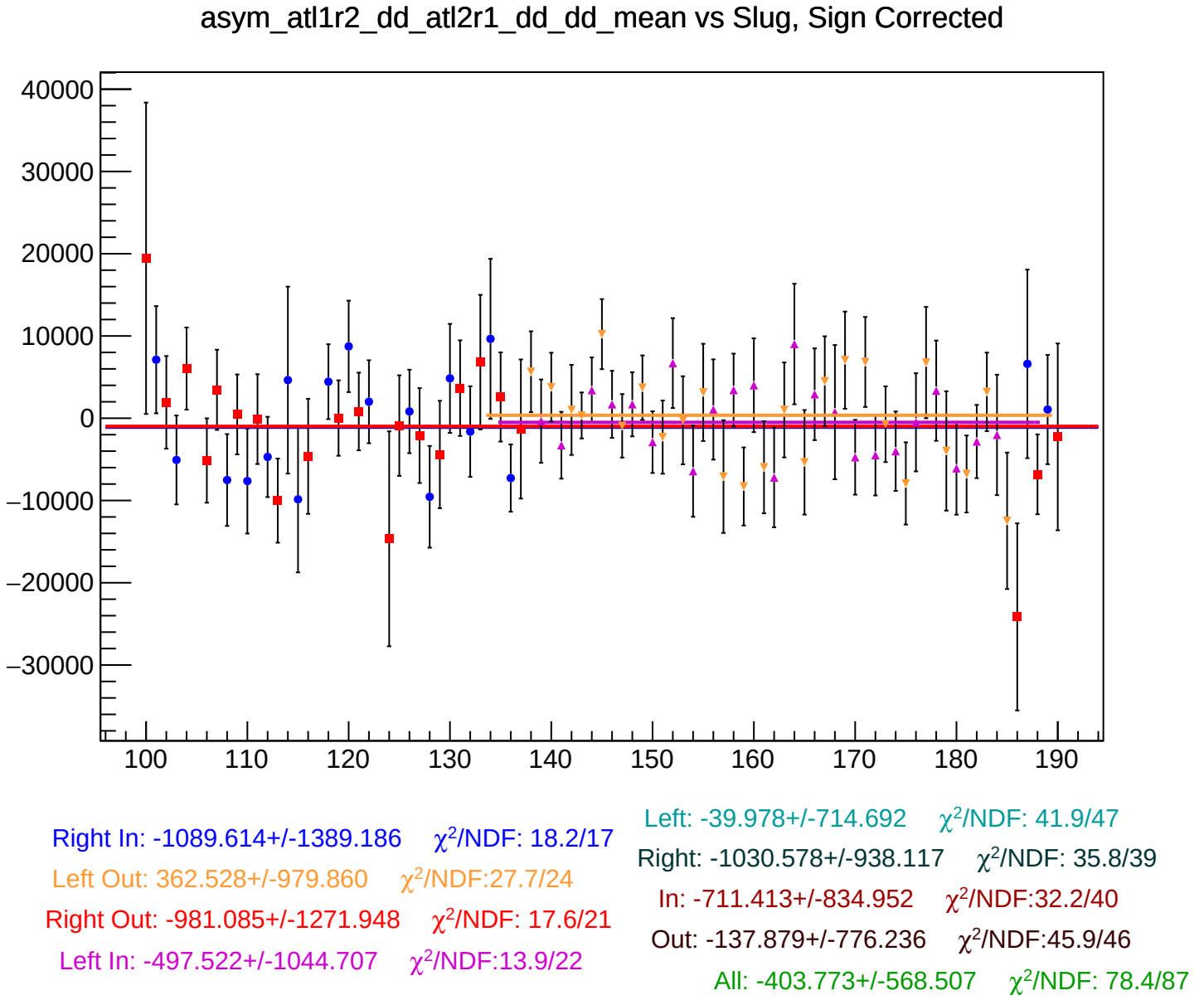
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

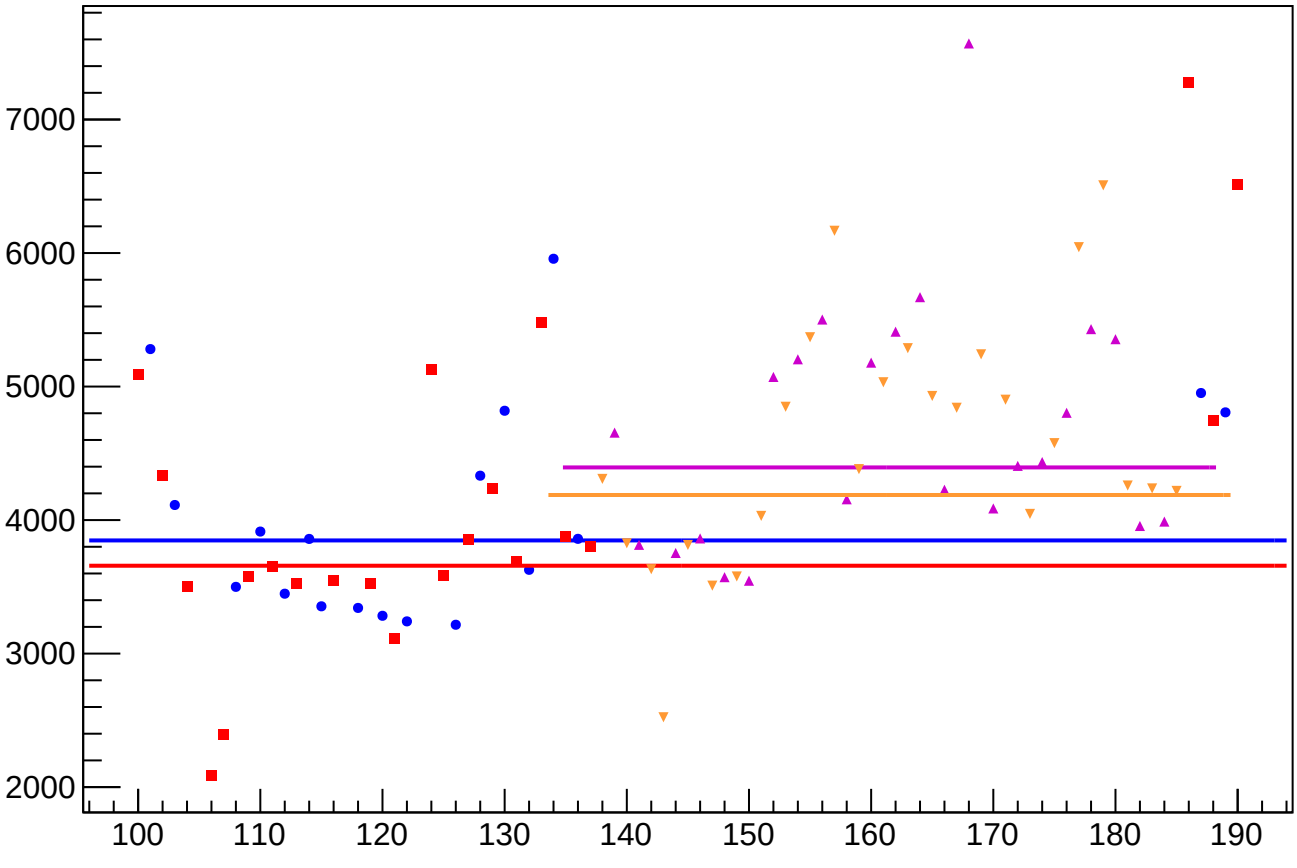
Right: 3451.249+/-0.607 χ^2/NDF: 1817208.9/39

In: 4064.469+/-0.574 χ^2/NDF:2183787.7/40

Out: 3819.030+/-0.527 χ^2/NDF:3977343.7/46

All: 3931.095+/-0.388 χ^2/NDF: 6260321.7/87


asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1089.614+/-1389.186 χ²/NDF: 18.2/17
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -981.085+/-1271.948 χ²/NDF: 17.6/21
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -1030.578+/-938.117 χ²/NDF: 35.8/39
In: -711.413+/-834.952 χ²/NDF:32.2/40
Out: -137.879+/-776.236 χ²/NDF:45.9/46
All: -403.773+/-568.507 χ²/NDF: 78.4/87



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3658.073+/-0.888 χ^2/NDF: 1049184.6/21

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

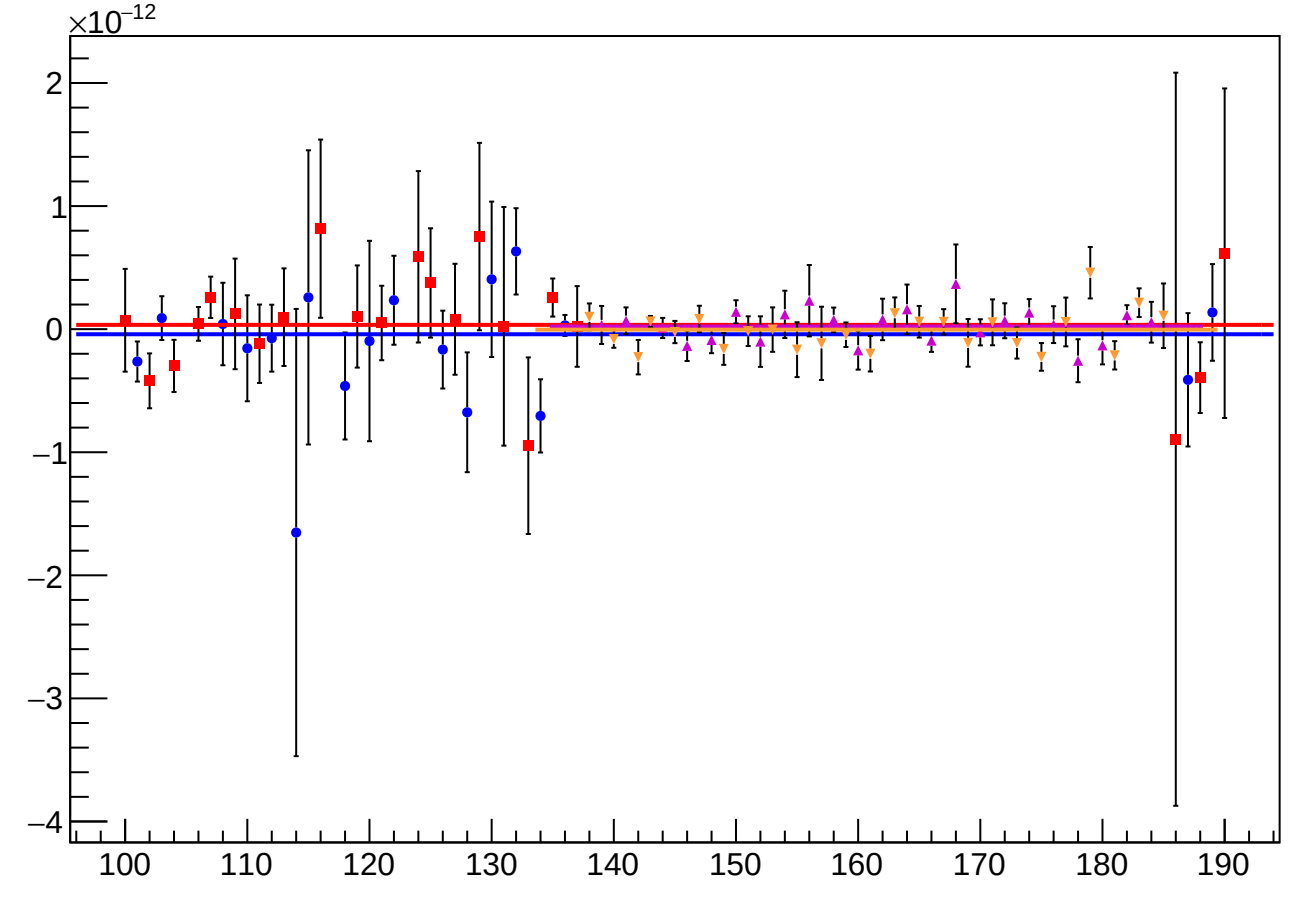
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3743.305+/-0.659 χ^2/NDF: 1516615.3/39

In: 4196.797+/-0.590 χ^2/NDF:1733277.9/40

Out: 3987.447+/-0.546 χ^2/NDF:3066683.5/46

All: 4084.017+/-0.401 χ^2/NDF: 4867696.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/21

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

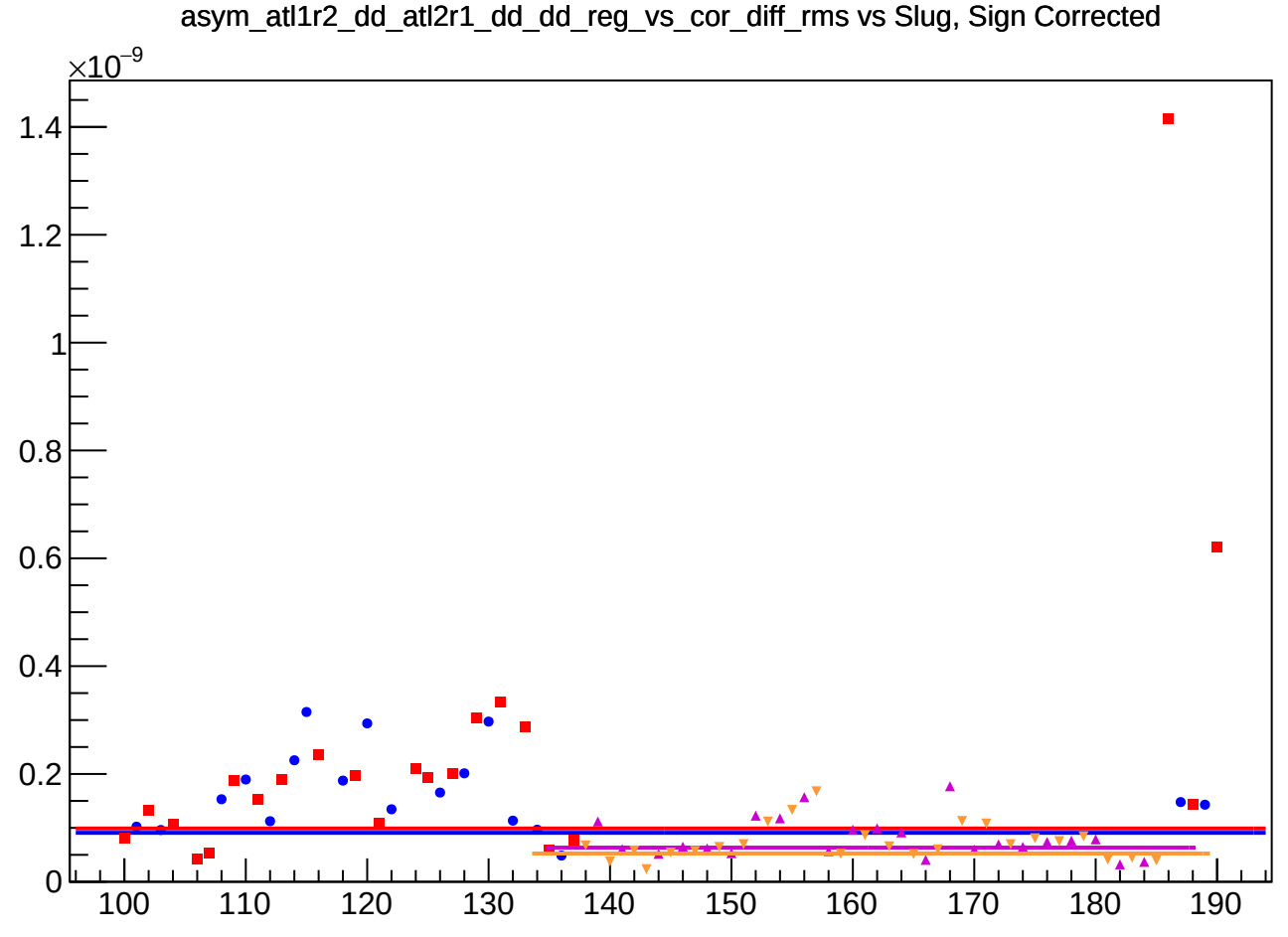
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/39

In: 0.000+/-0.000 χ^2/NDF:35.3/40

Out: 0.000+/-0.000 χ^2/NDF:49.3/46

All: 0.000+/-0.000 χ^2/NDF: 84.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2486687.4/21

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

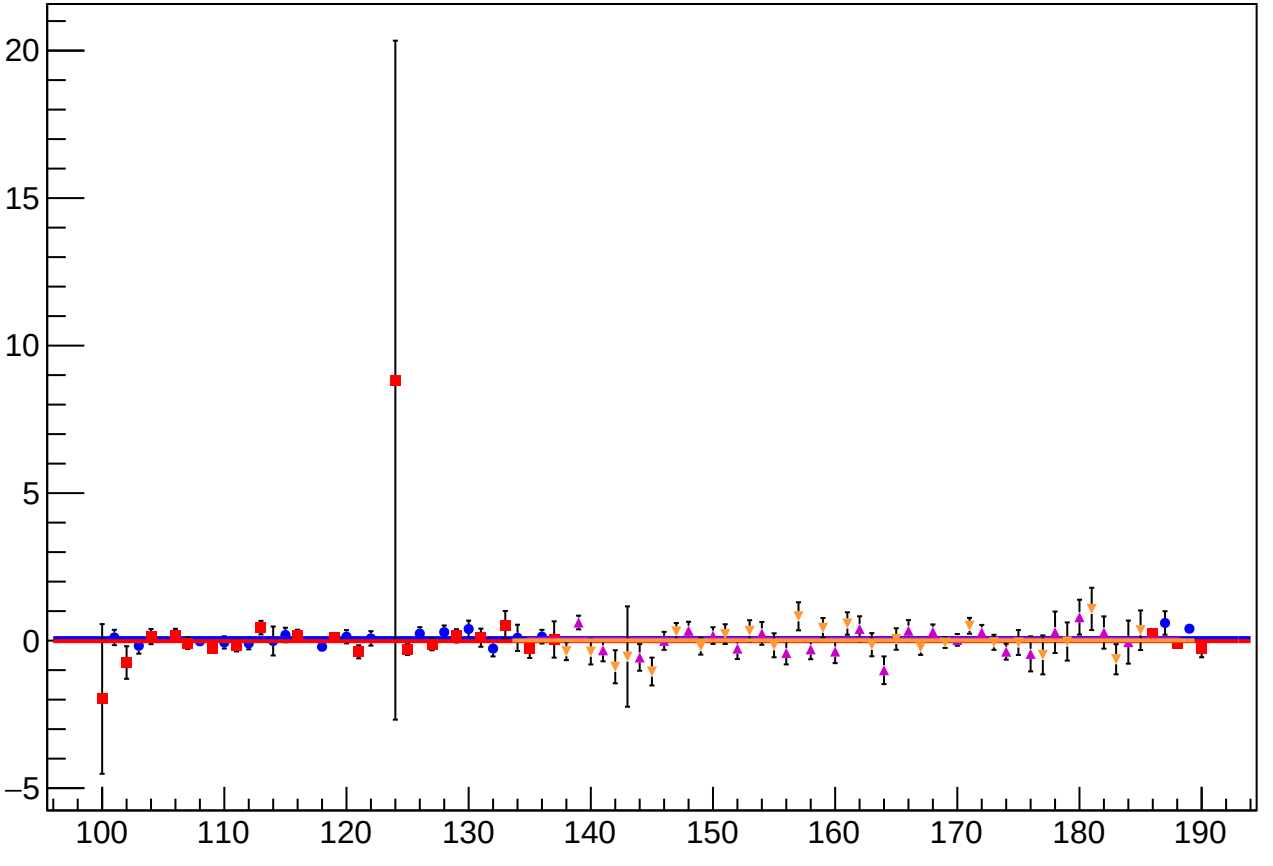
Right: 0.000+/-0.000 χ^2/NDF: 4024576.1/39

In: 0.000+/-0.000 χ^2/NDF:3680558.2/40

Out: 0.000+/-0.000 χ^2/NDF:6096580.6/46

All: 0.000+/-0.000 χ^2/NDF: 9988043.9/87

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

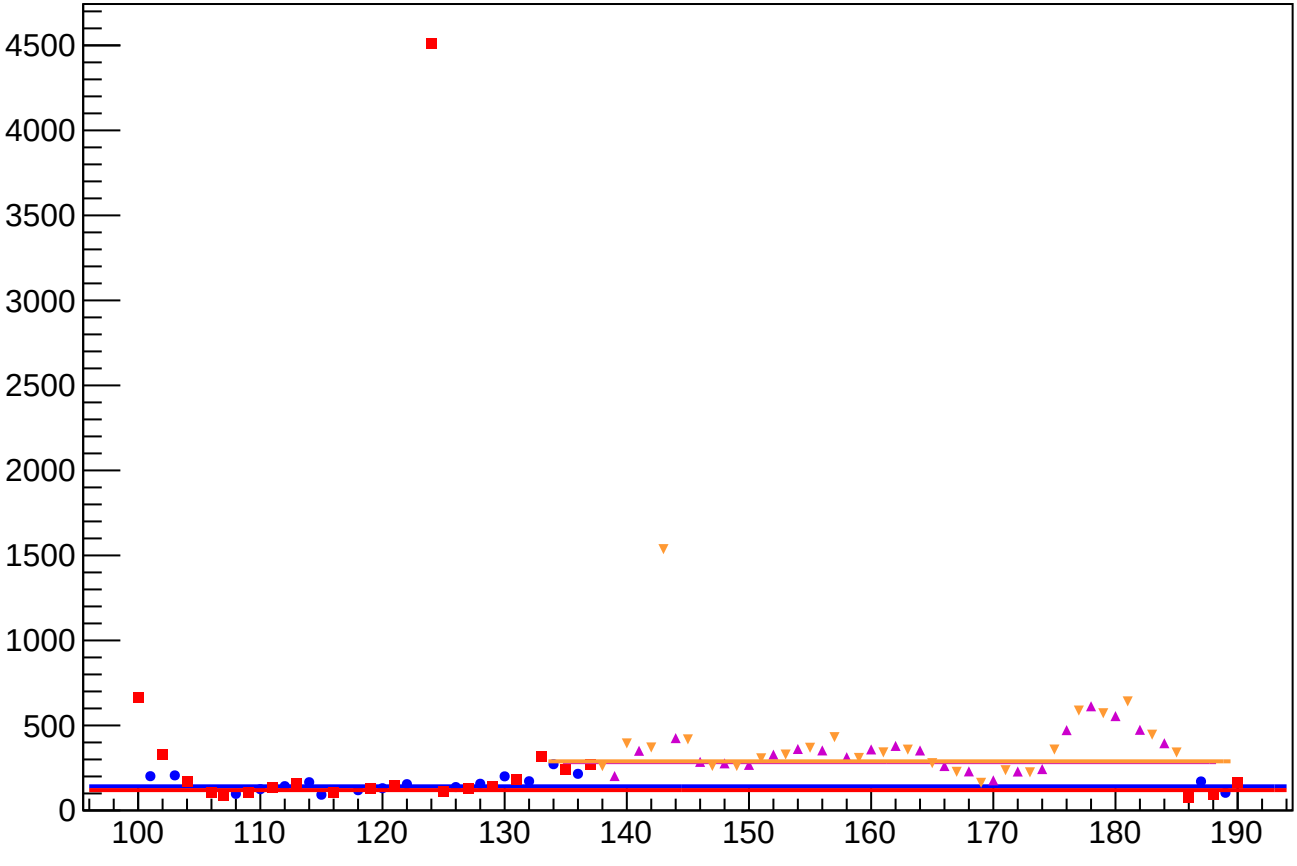
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF: 2197259.6/21

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

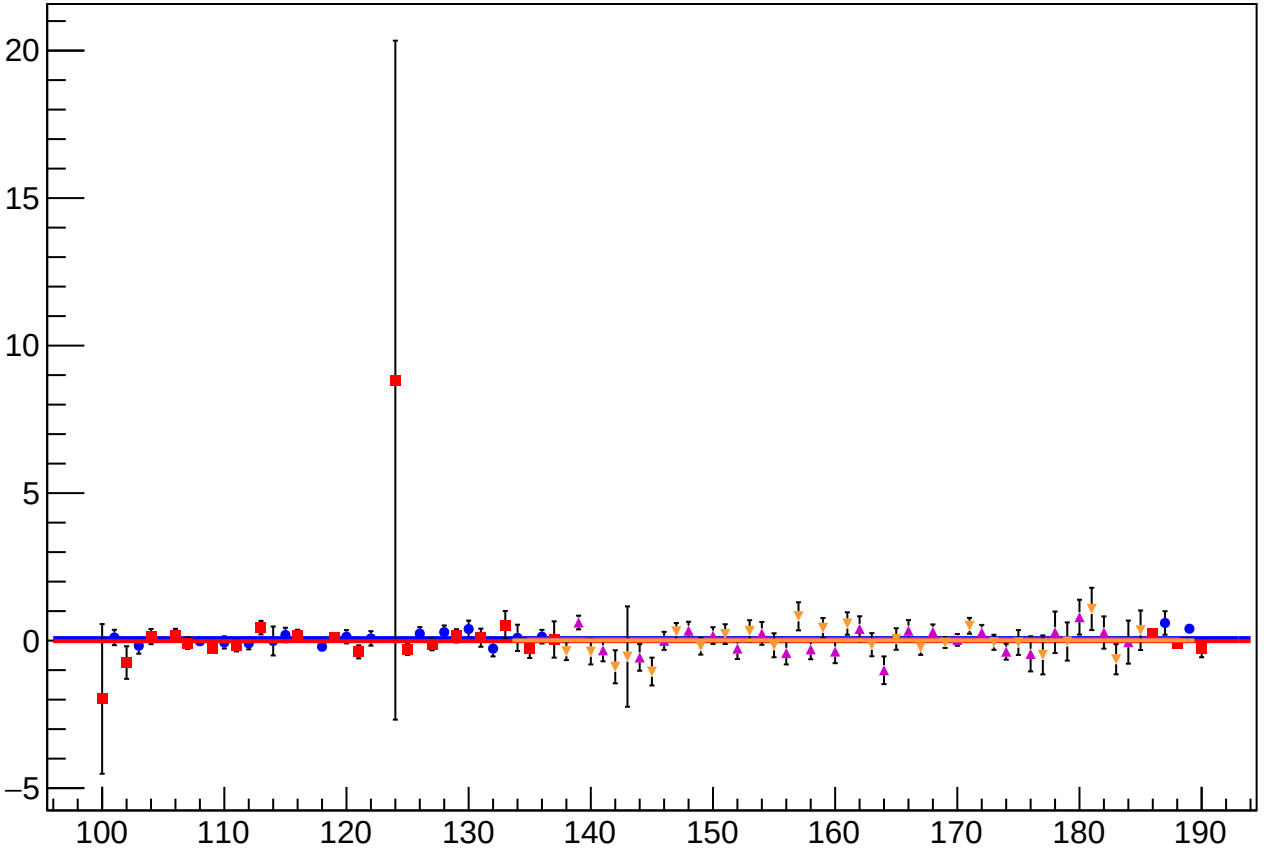
Right: 128.718+/-0.024 χ^2/NDF: 3552811.6/39

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.091+/-0.027 χ^2/NDF:15023829.3/46

All: 178.852+/-0.020 χ^2/NDF: 24876570.4/87

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

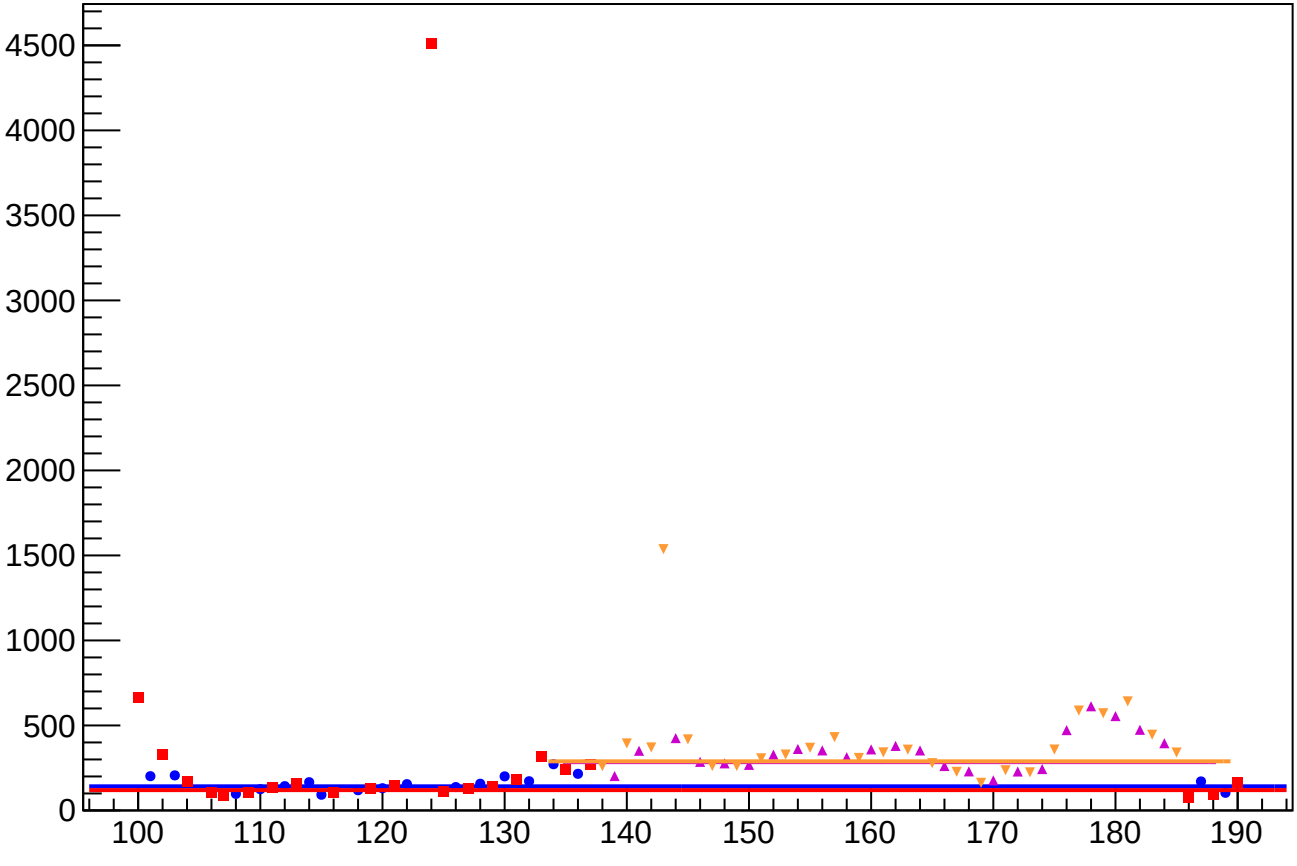
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF: 2197259.6/21

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

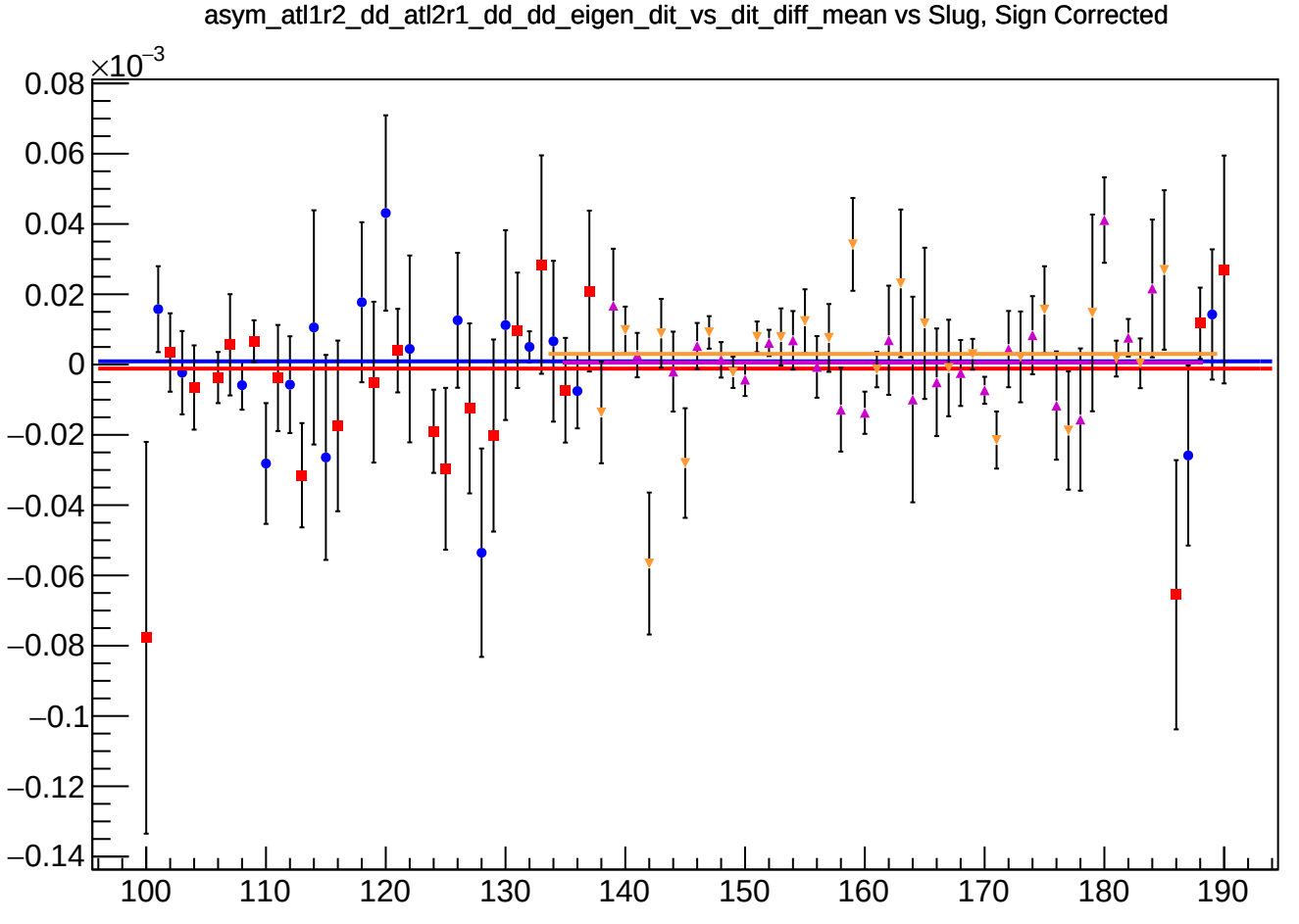
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 128.718+/-0.024 χ^2/NDF: 3552811.6/39

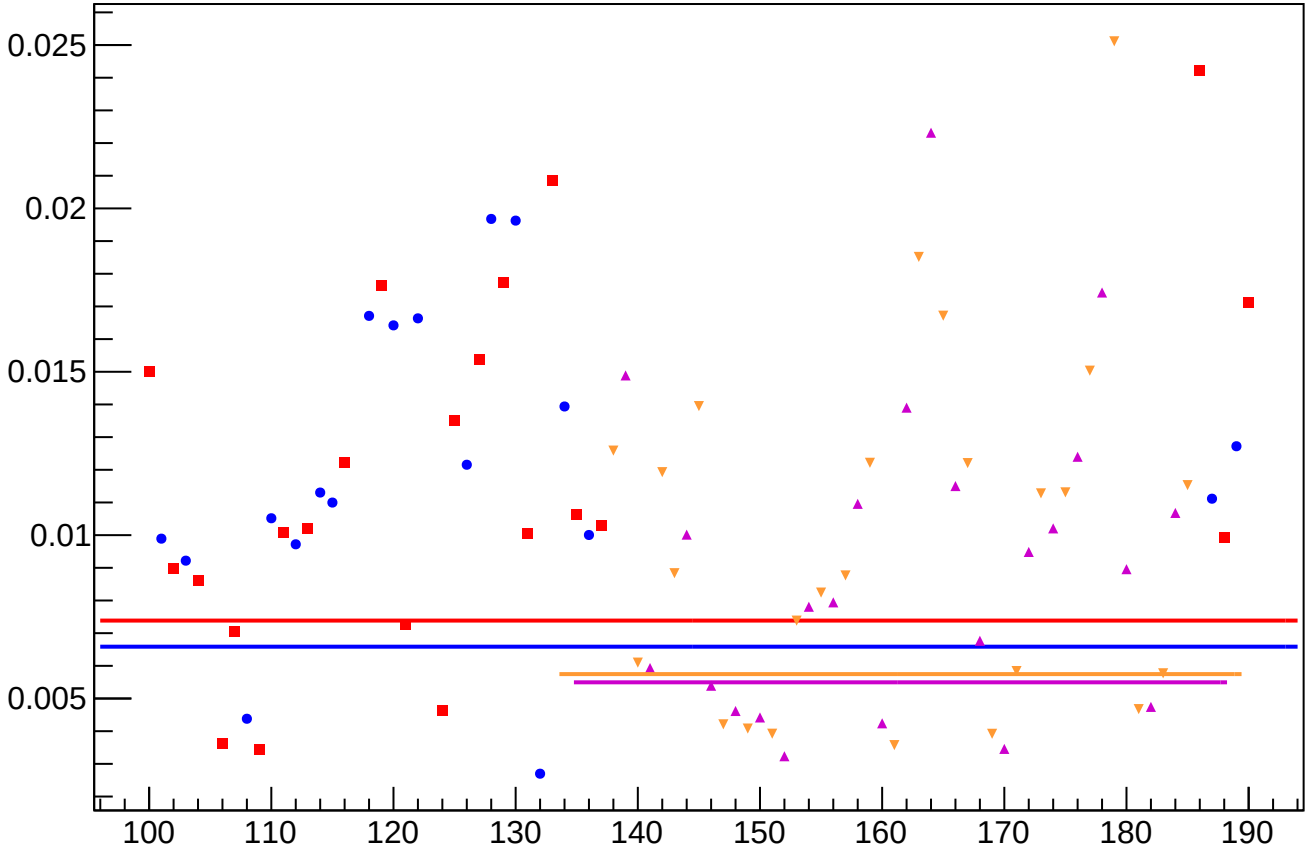
In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.091+/-0.027 χ^2/NDF:15023829.3/46

All: 178.852+/-0.020 χ^2/NDF: 24876570.4/87


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.5/17
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/21
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 38.1/39
In: 0.000+/-0.000 χ²/NDF:49.7/40
Out: 0.000+/-0.000 χ²/NDF:65.2/46
All: 0.000+/-0.000 χ²/NDF: 115.5/87

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: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4140336.3/21

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

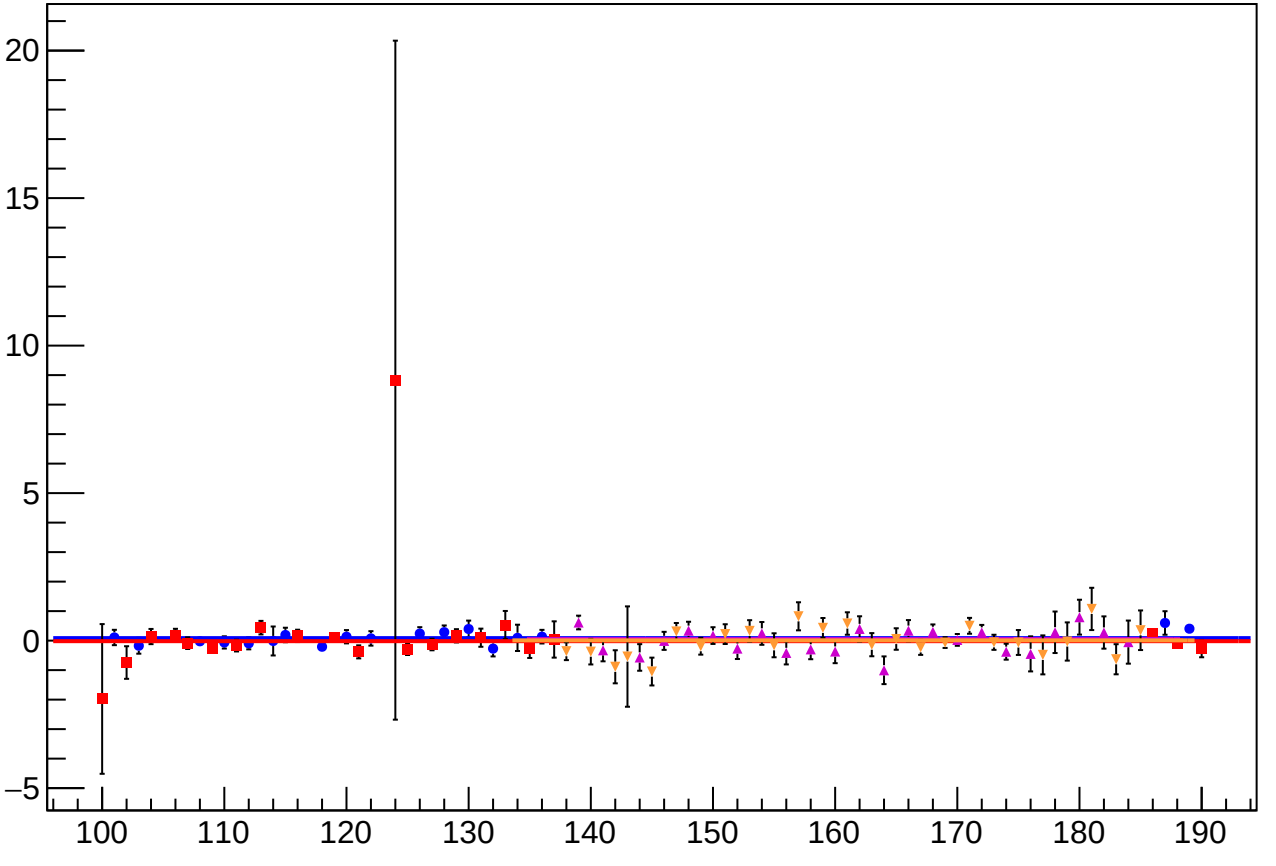
Right: 0.007+/-0.000 χ^2/NDF: 9149602.4/39

In: 0.006+/-0.000 χ^2/NDF:12094637.4/40

Out: 0.006+/-0.000 χ^2/NDF:12777444.9/46

All: 0.006+/-0.000 χ^2/NDF: 24949544.1/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

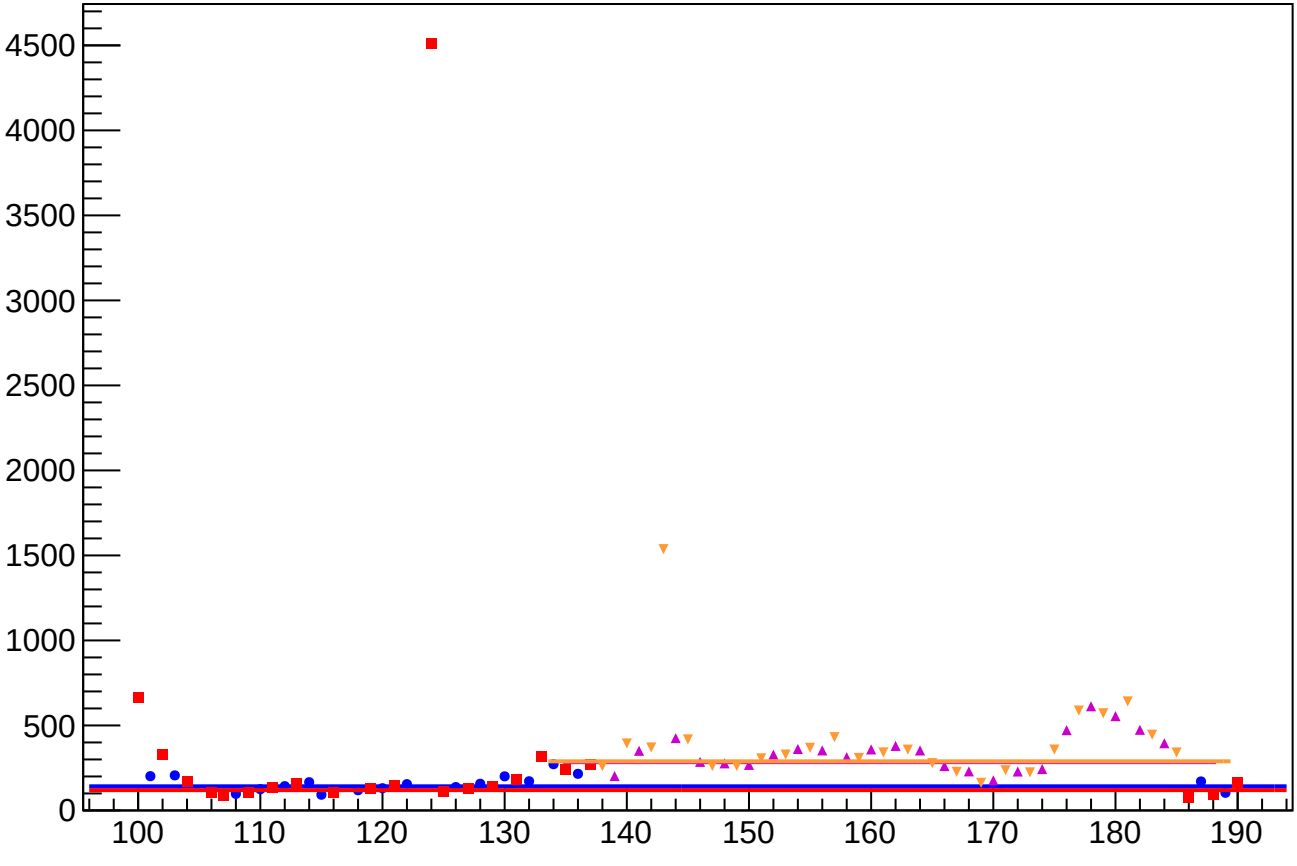
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF: 2197111.3/21

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

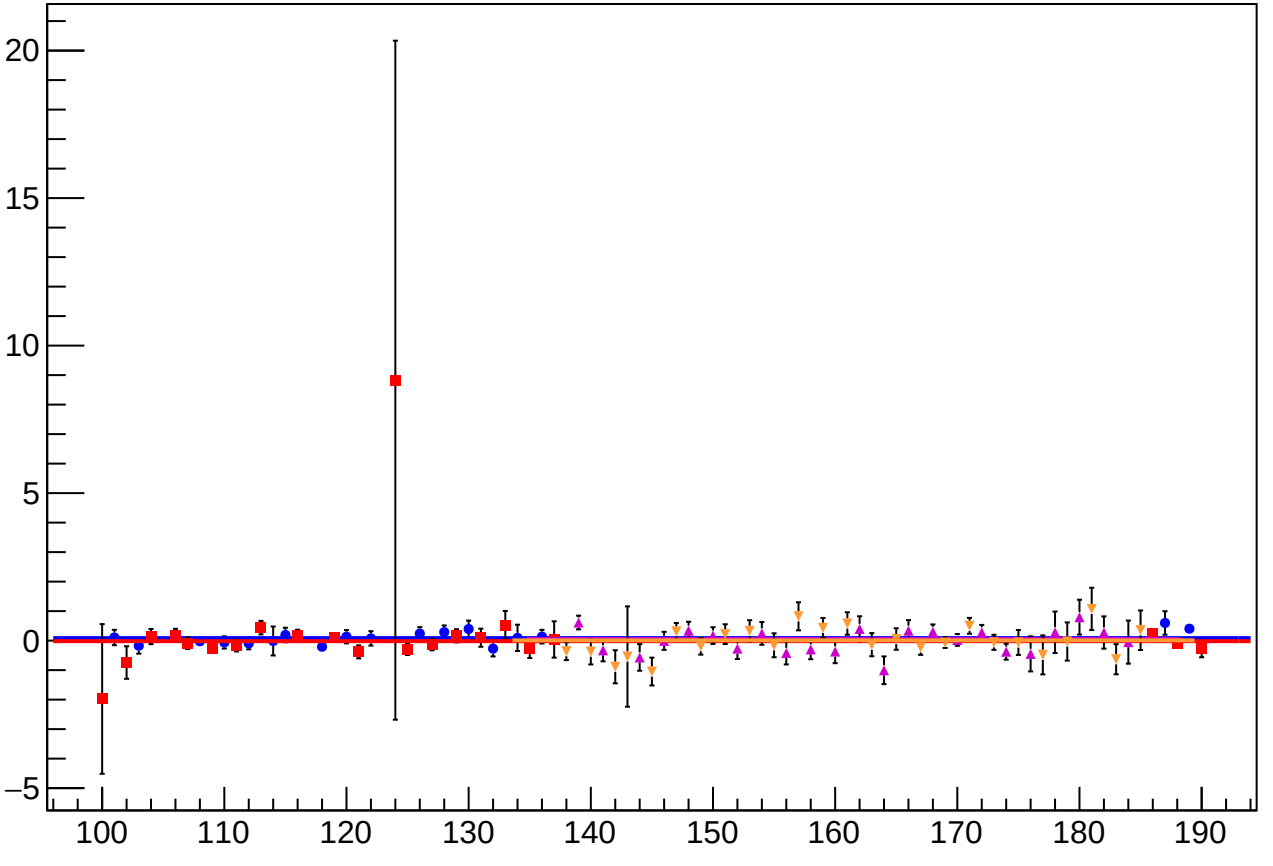
Right: 128.719+/-0.024 χ^2/NDF: 3552583.2/39

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.093+/-0.027 χ^2/NDF:15023643.0/46

All: 178.853+/-0.020 χ^2/NDF: 24876501.4/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.019+/-0.044 χ^2/NDF: 25.5/21

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

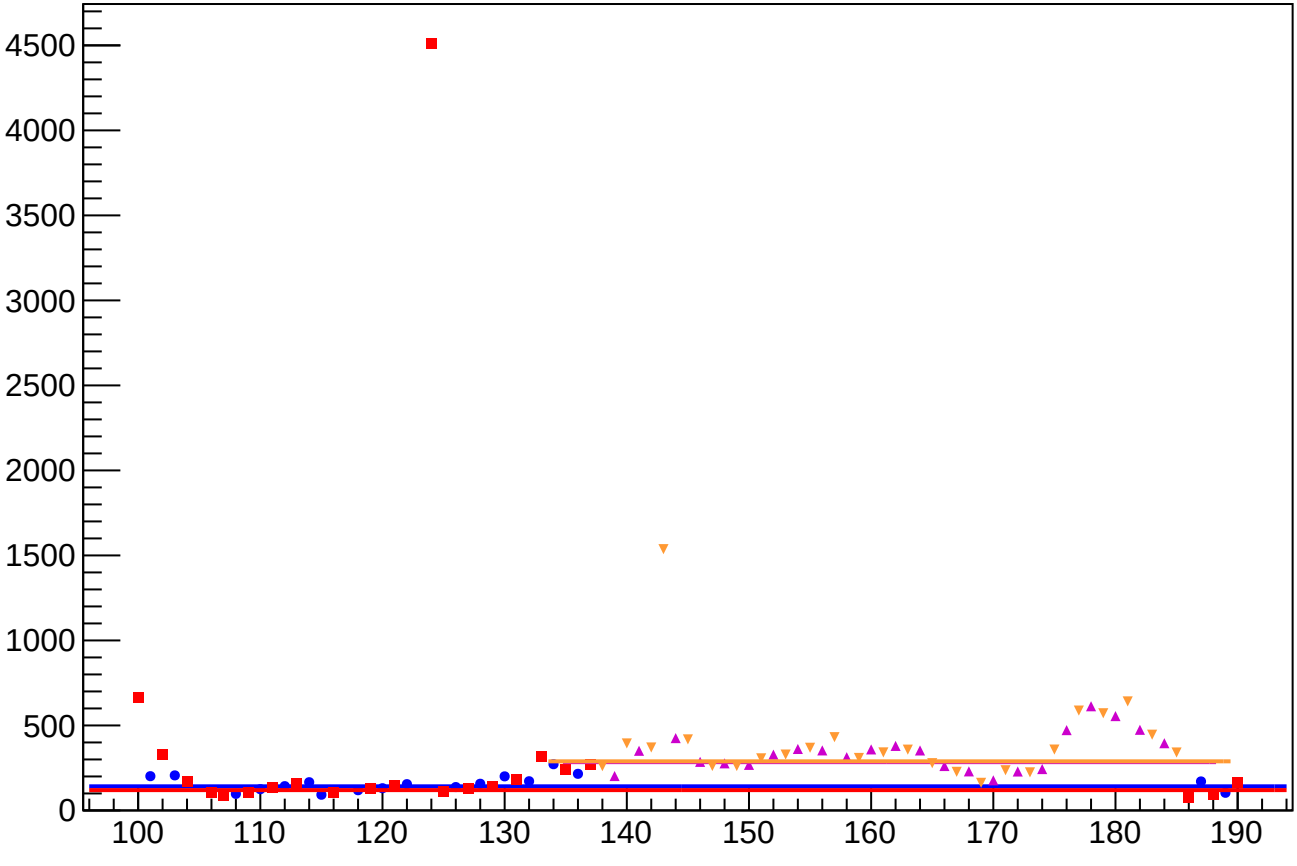
Right: 0.023+/-0.034 χ^2/NDF: 44.2/39

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.011+/-0.038 χ^2/NDF:54.5/46

All: 0.026+/-0.028 χ^2/NDF: 101.1/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF: 2197111.3/21

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

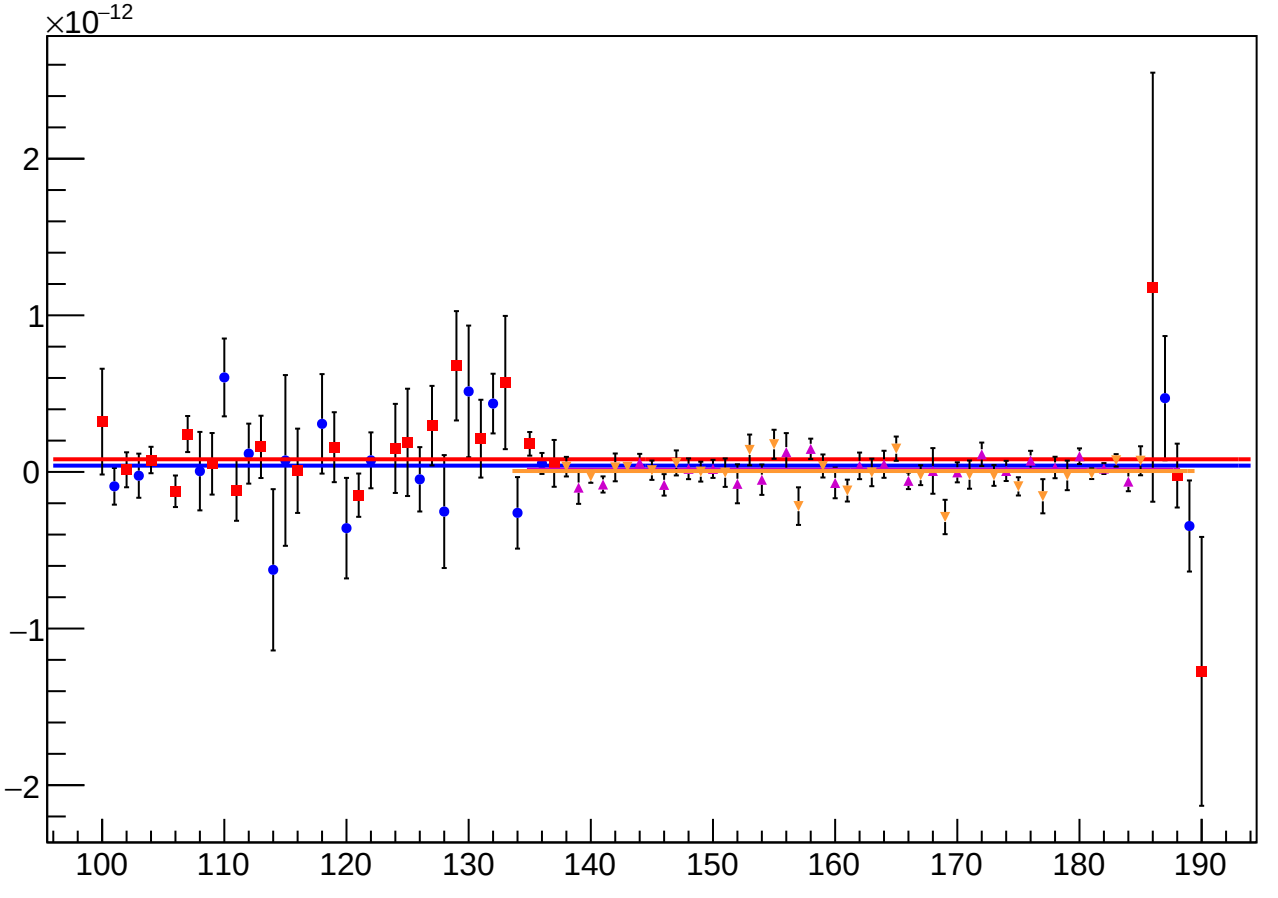
Right: 128.719+/-0.024 χ^2/NDF: 3552583.2/39

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.093+/-0.027 χ^2/NDF:15023643.0/46

All: 178.853+/-0.020 χ^2/NDF: 24876501.4/87

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/21

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

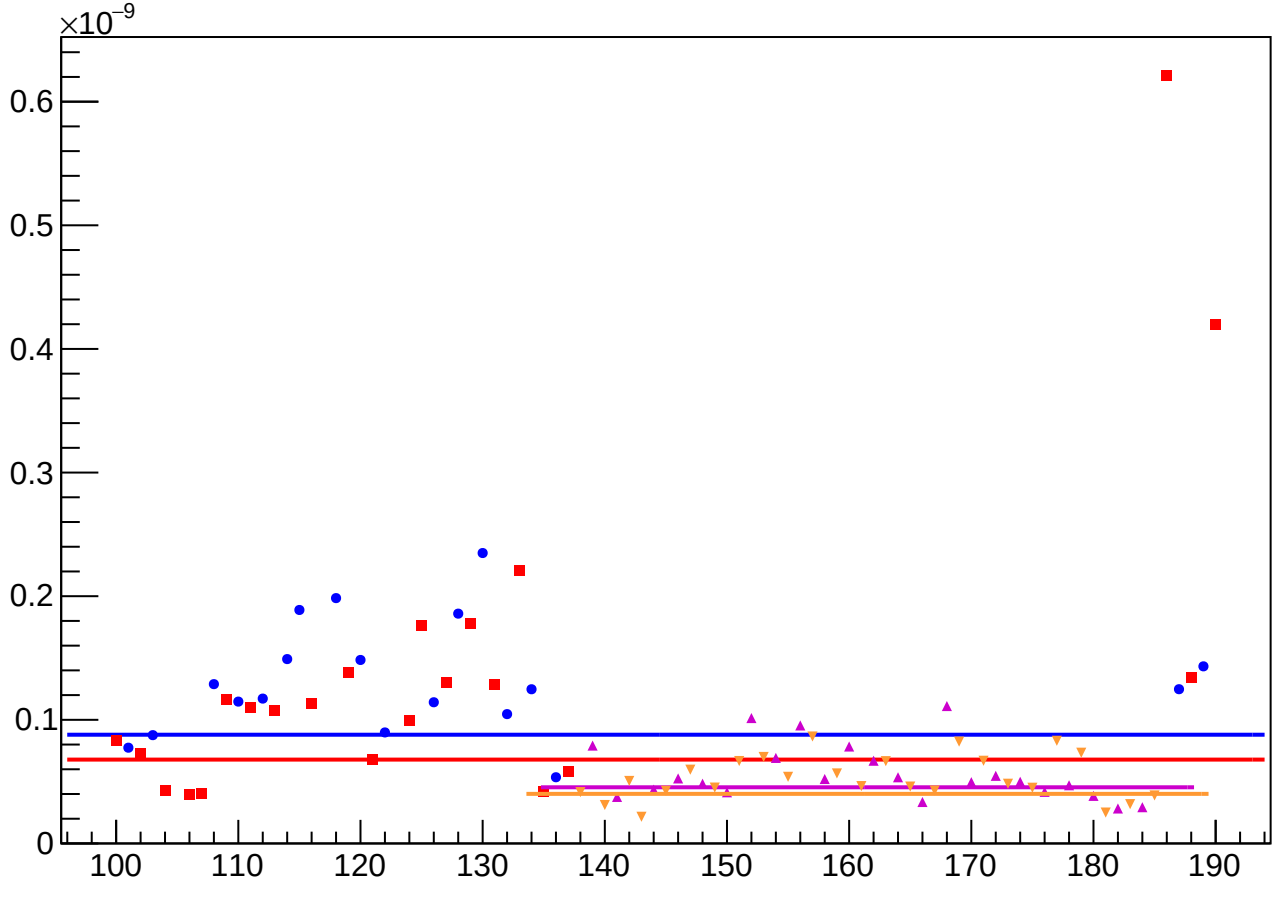
Right: 0.000+/-0.000 χ^2/NDF: 44.1/39

In: 0.000+/-0.000 χ^2/NDF:45.5/40

Out: 0.000+/-0.000 χ^2/NDF:60.1/46

All: 0.000+/-0.000 χ^2/NDF: 105.6/87

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: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3047292.4/21

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

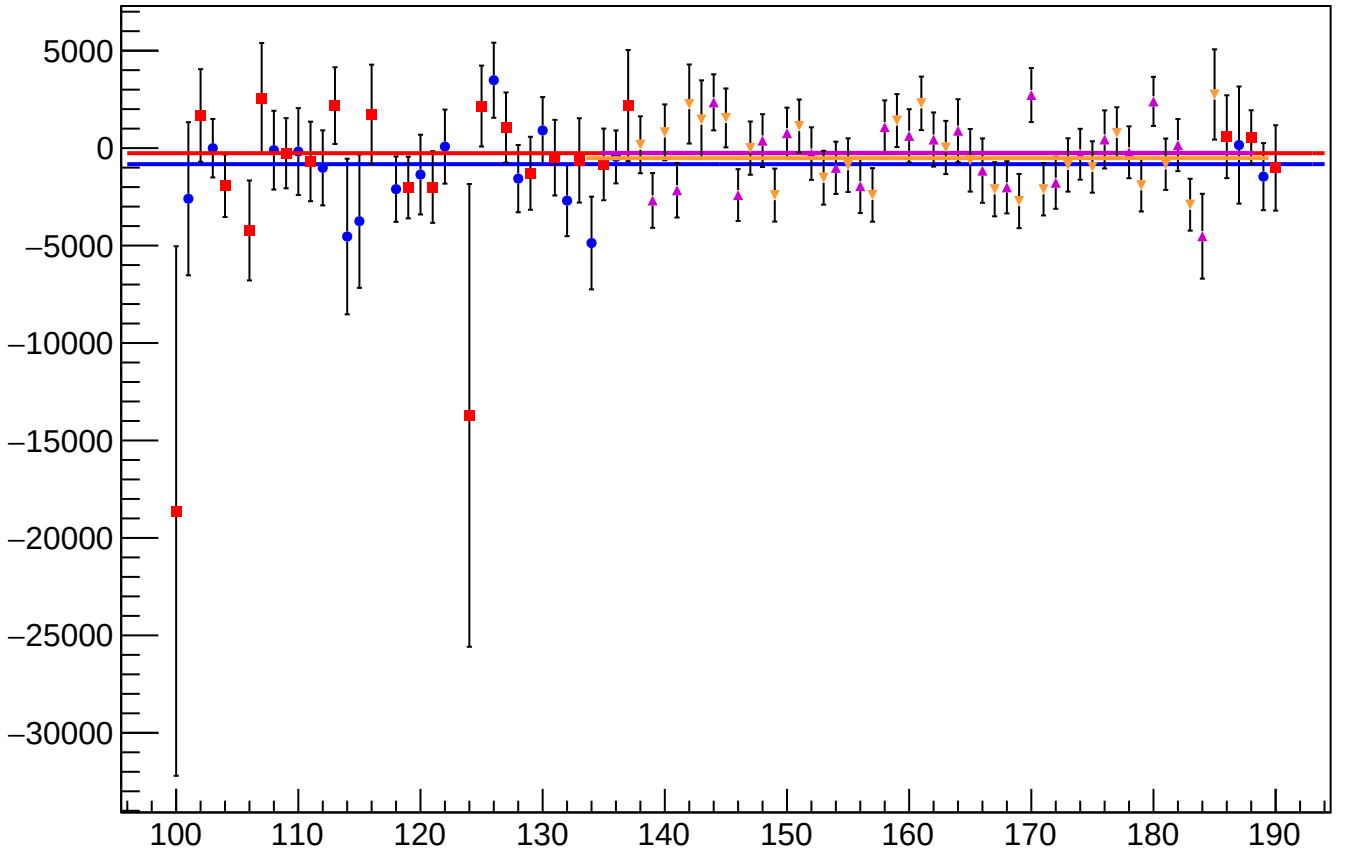
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4984126.6/39

In: 0.000+/-0.000 χ^2/NDF:6290057.1/40

Out: 0.000+/-0.000 χ^2/NDF:7850969.3/46

All: 0.000+/-0.000 χ^2/NDF: 14390042.4/87



Right In: -822.961+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -259.811+/-438.707 χ^2/NDF: 16.3/21

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

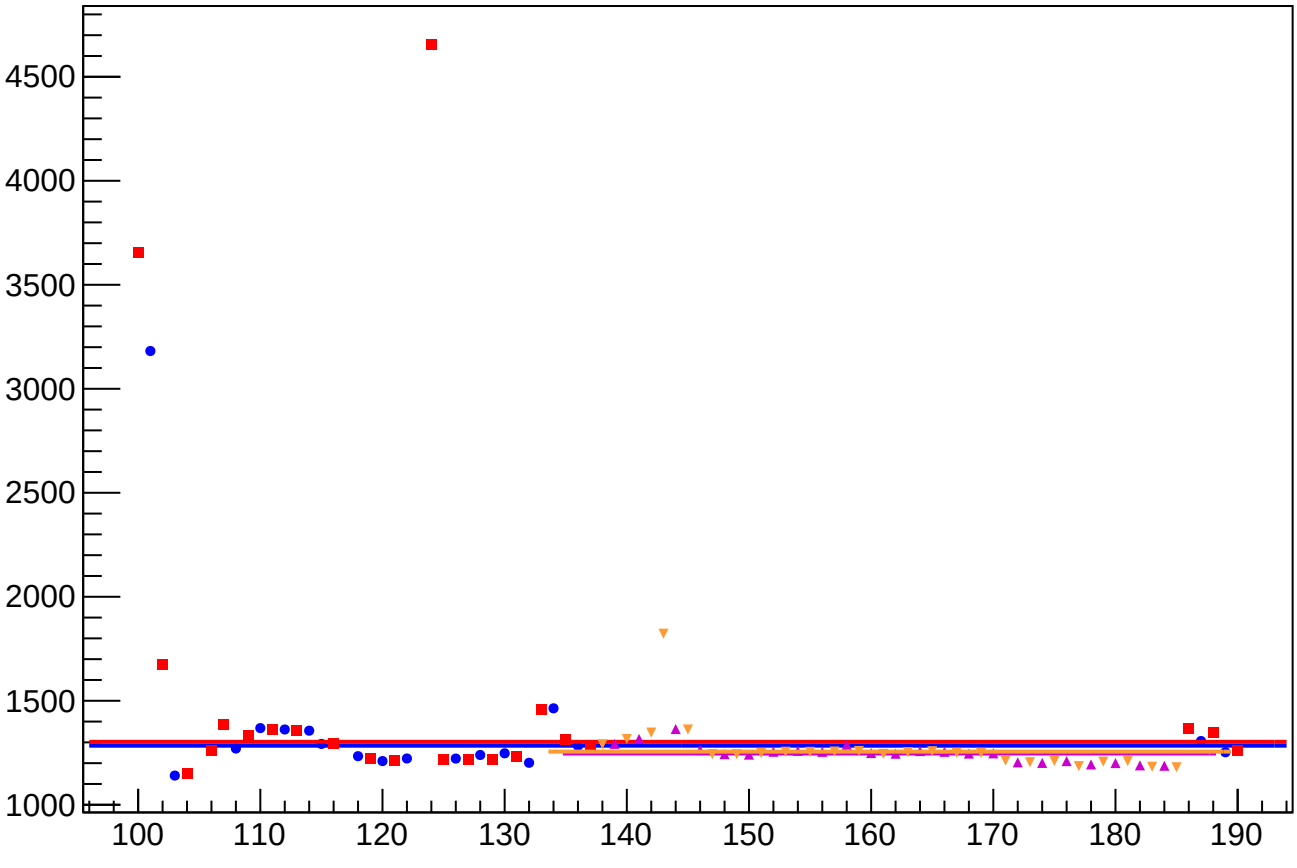
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -526.005+/-318.573 χ^2/NDF: 30.7/39

In: -406.950+/-246.534 χ^2/NDF:46.8/40

Out: -438.551+/-239.552 χ^2/NDF:47.4/46

All: -423.204+/-171.804 χ^2/NDF: 94.3/87



Right In: 1284.135+/-0.328 χ^2/NDF: 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1302.580+/-0.310 χ^2/NDF: 332936.4/21

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

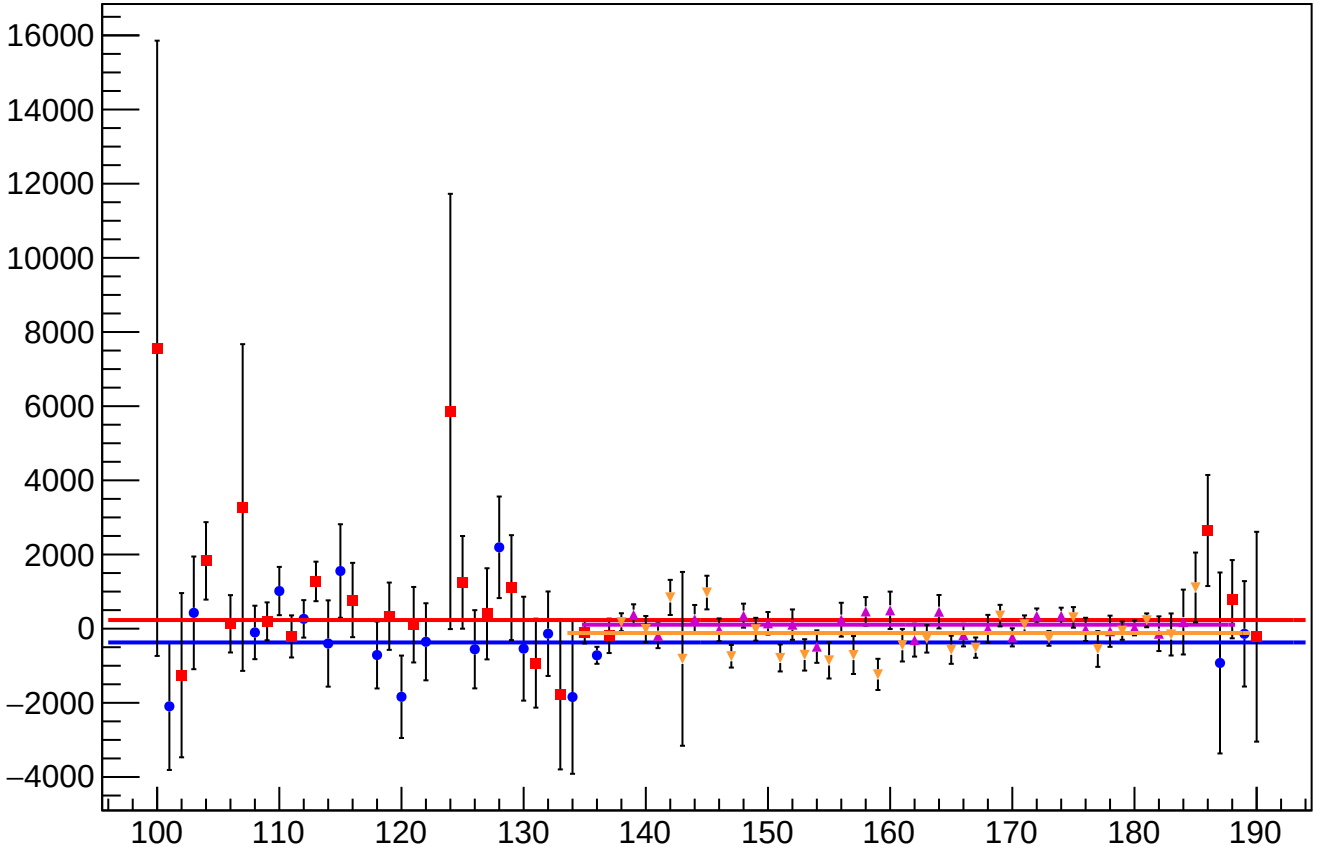
Right: 1293.861+/-0.225 χ^2/NDF: 853556.9/39

In: 1257.050+/-0.174 χ^2/NDF:568339.0/40

Out: 1269.547+/-0.169 χ^2/NDF:552216.3/46

All: 1263.478+/-0.121 χ^2/NDF: 1123198.8/87

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -371.698+/-166.648 χ^2/NDF: 18.2/17

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 232.804+/-166.103 χ^2/NDF: 17.6/21

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

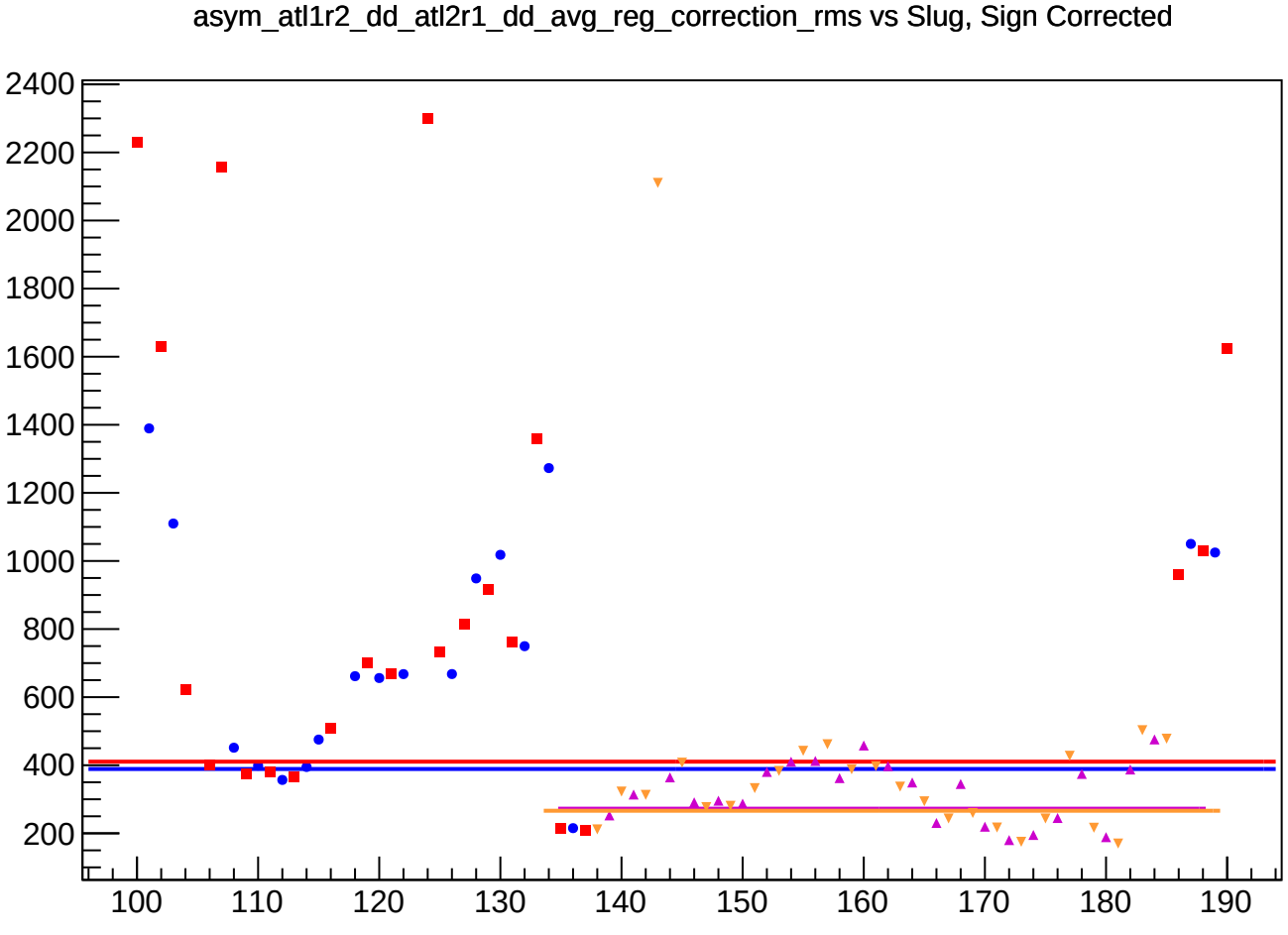
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -68.456+/-117.645 χ^2/NDF: 42.5/39

In: 40.683+/-62.165 χ^2/NDF:39.1/40

Out: -70.498+/-60.578 χ^2/NDF:69.9/46

All: -16.345+/-43.385 χ^2/NDF: 110.6/87



Right In: 388.937+/-0.118 χ^2/NDF: 4747435.1/17

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 410.485+/-0.117 χ^2/NDF: 5433187.9/21

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

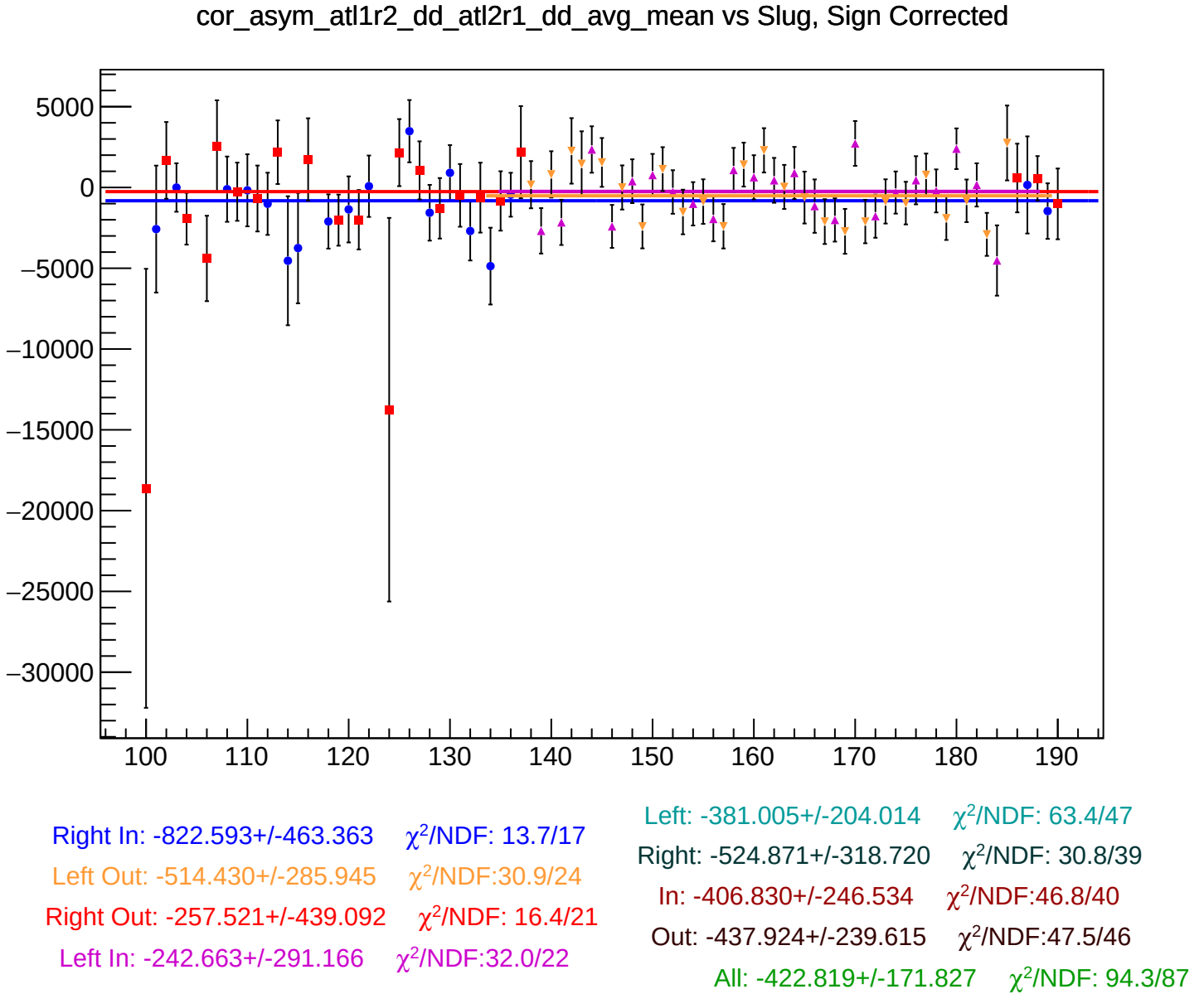
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

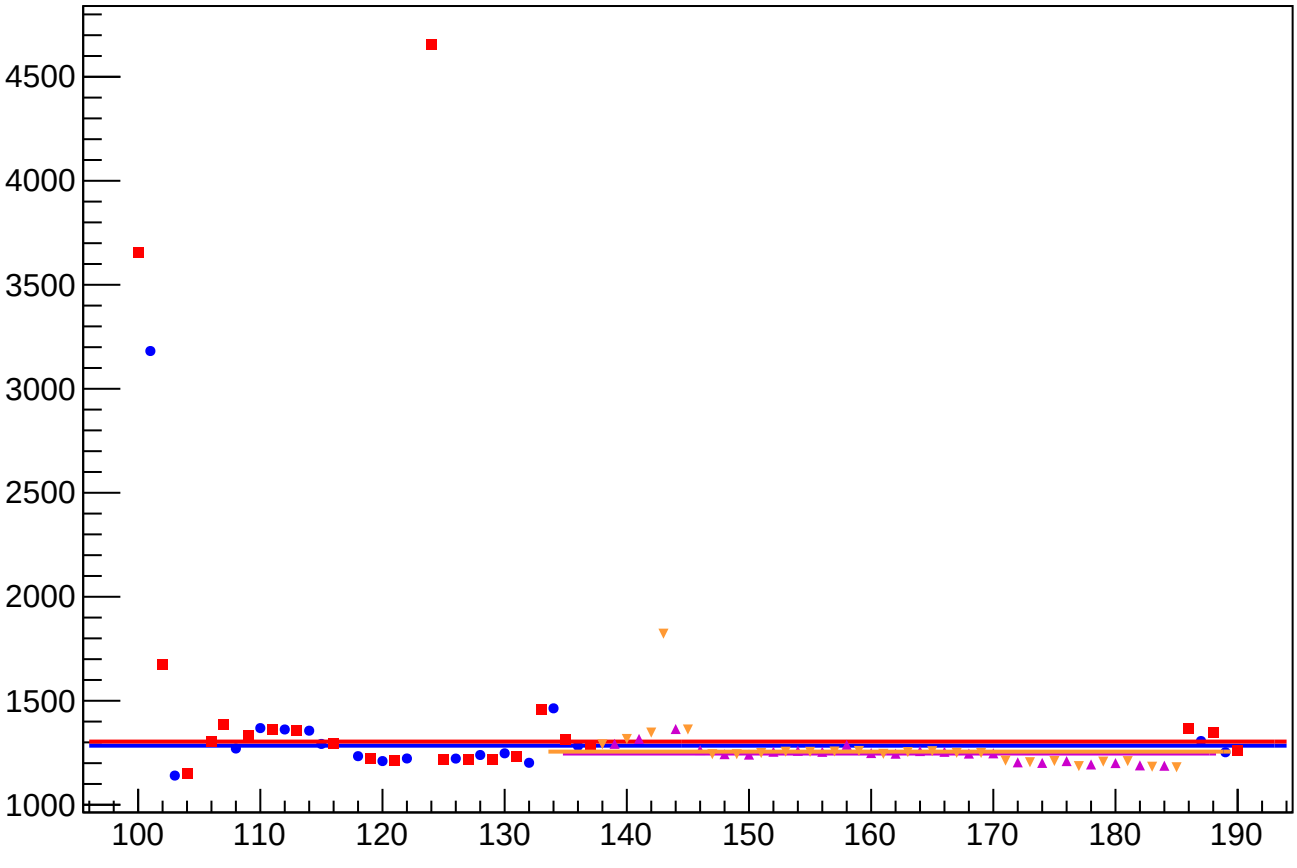
Right: 399.746+/-0.083 χ^2/NDF: 10197396.2/39

In: 288.589+/-0.044 χ^2/NDF:8477667.8/40

Out: 285.496+/-0.043 χ^2/NDF:11369502.8/46

All: 287.002+/-0.031 χ^2/NDF: 19849710.1/87


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -822.593+/-463.363 χ²/NDF: 13.7/17
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: -257.521+/-439.092 χ²/NDF: 16.4/21
Left In: -242.663+/-291.166 χ²/NDF:32.0/22
Left: -381.005+/-204.014 χ²/NDF: 63.4/47
Right: -524.871+/-318.720 χ²/NDF: 30.8/39
In: -406.830+/-246.534 χ²/NDF:46.8/40
Out: -437.924+/-239.615 χ²/NDF:47.5/46
All: -422.819+/-171.827 χ²/NDF: 94.3/87



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF: 332447.6/21

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

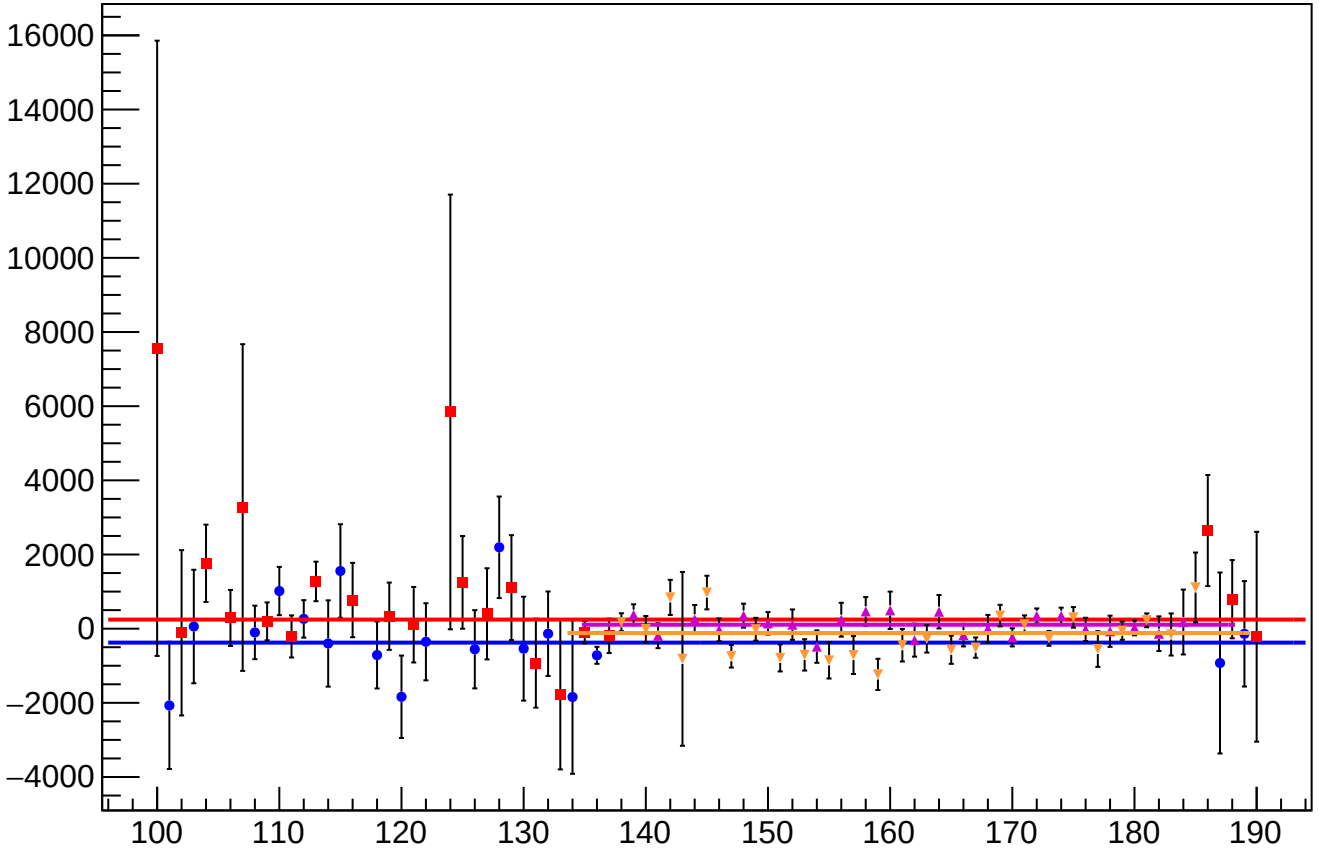
Right: 1294.482+/-0.225 χ^2/NDF: 853291.4/39

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.886+/-0.169 χ^2/NDF:552536.9/46

All: 1263.650+/-0.122 χ^2/NDF: 1123665.2/87

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 245.379+/-165.917 χ^2/NDF: 17.0/21

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

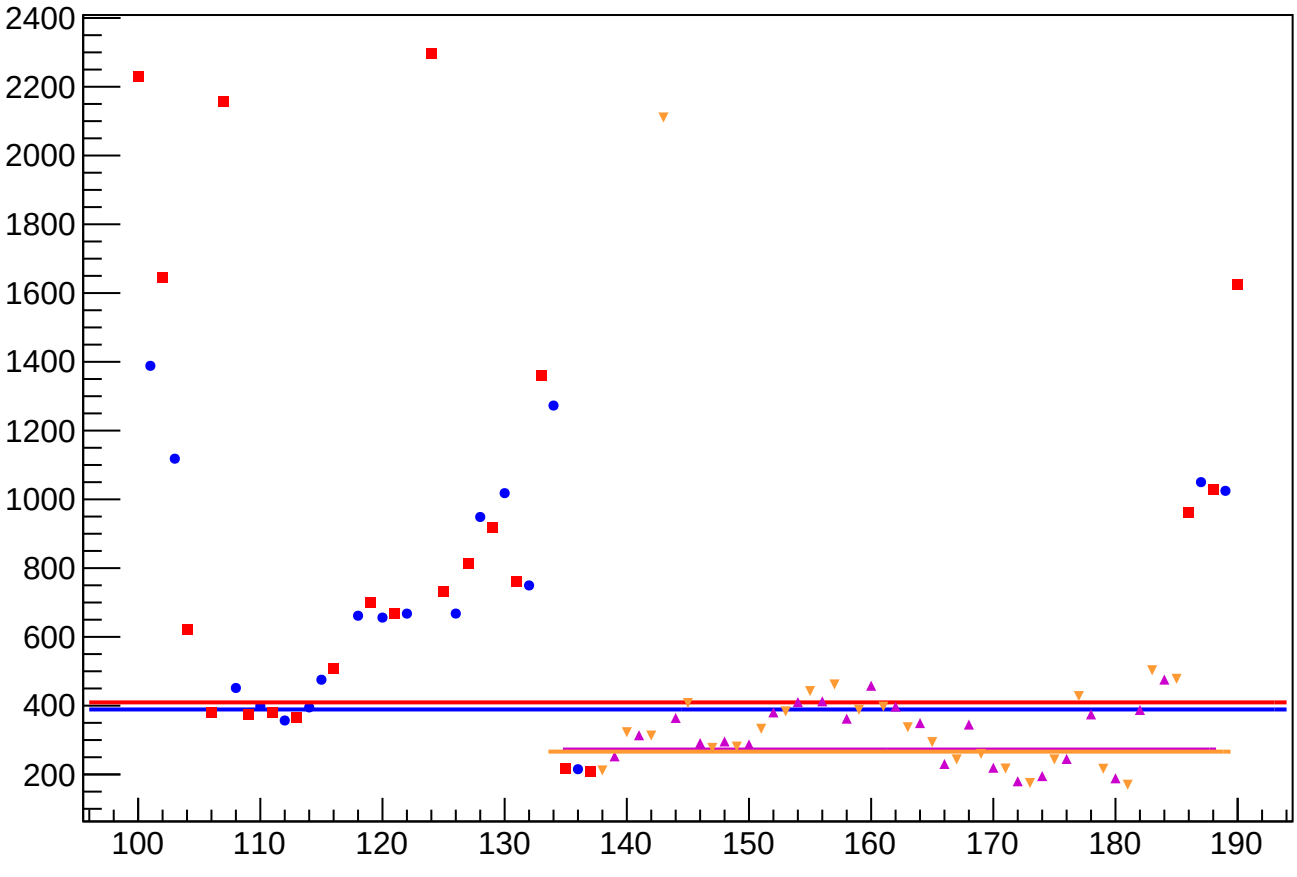
Right: -63.938+/-117.585 χ^2/NDF: 42.0/39

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.707+/-60.570 χ^2/NDF:69.6/46

All: -15.677+/-43.383 χ^2/NDF: 110.1/87

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF: 5442365.2/21

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

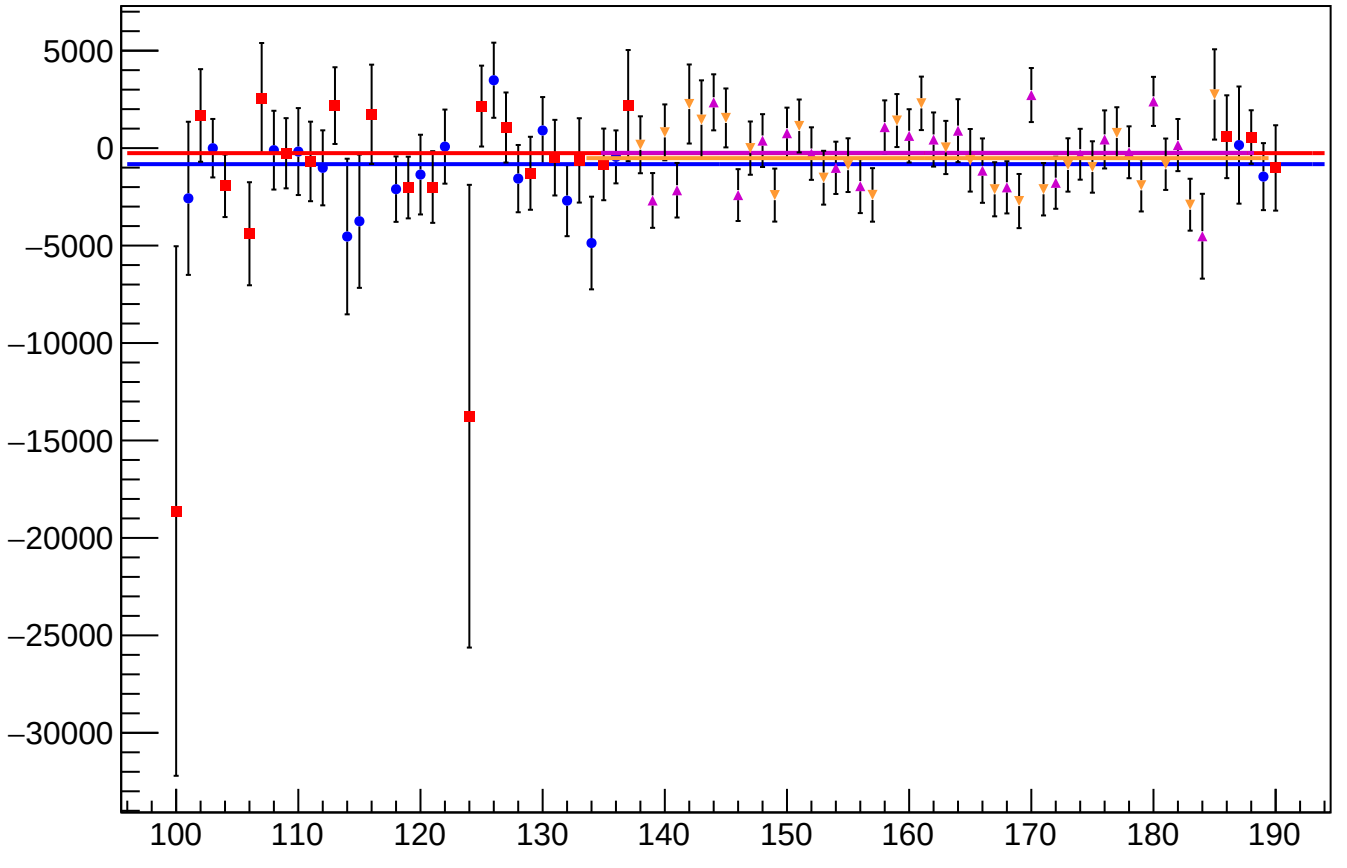
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 399.274+/-0.083 χ^2/NDF: 10208286.4/39

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 285.410+/-0.043 χ^2/NDF:11363755.1/46

All: 286.961+/-0.031 χ^2/NDF: 19846641.8/87



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -257.521+/-439.092 χ^2/NDF: 16.4/21

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

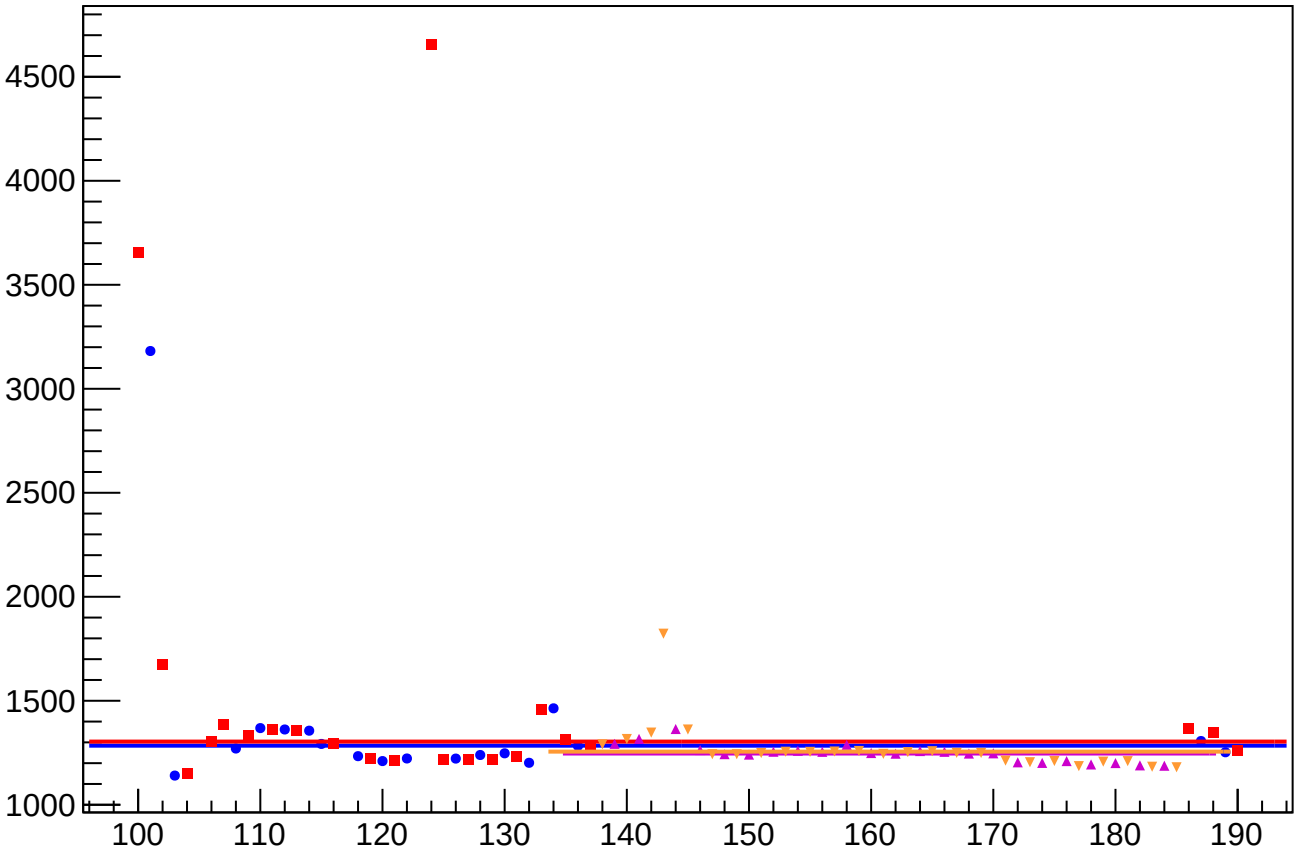
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -524.871+/-318.720 χ^2/NDF: 30.8/39

In: -406.830+/-246.534 χ^2/NDF:46.8/40

Out: -437.924+/-239.615 χ^2/NDF:47.5/46

All: -422.819+/-171.827 χ^2/NDF: 94.3/87



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF: 332447.6/21

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

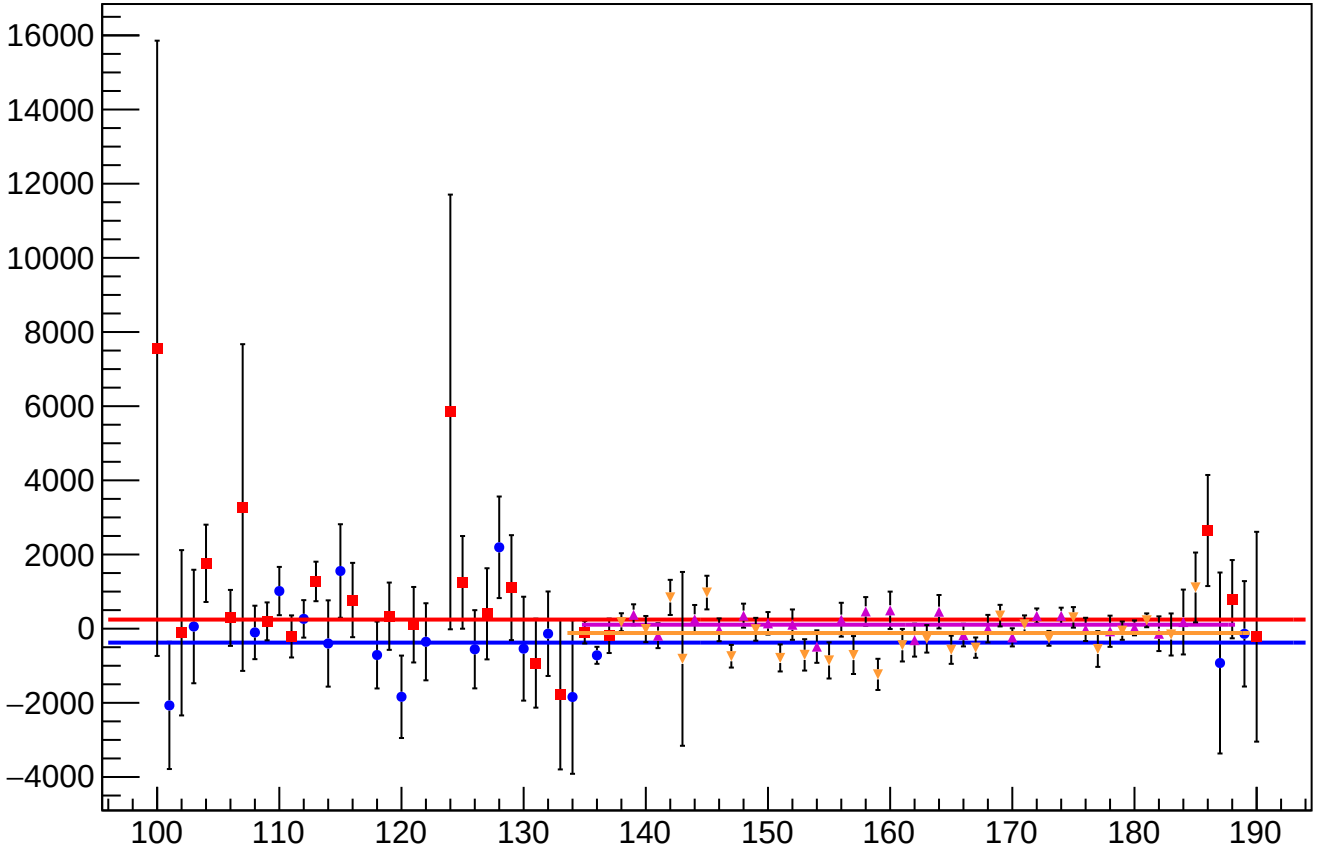
Right: 1294.482+/-0.225 χ^2/NDF: 853291.4/39

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.886+/-0.169 χ^2/NDF:552536.9/46

All: 1263.650+/-0.122 χ^2/NDF: 1123665.2/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 245.379+/-165.917 χ^2/NDF: 17.0/21

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

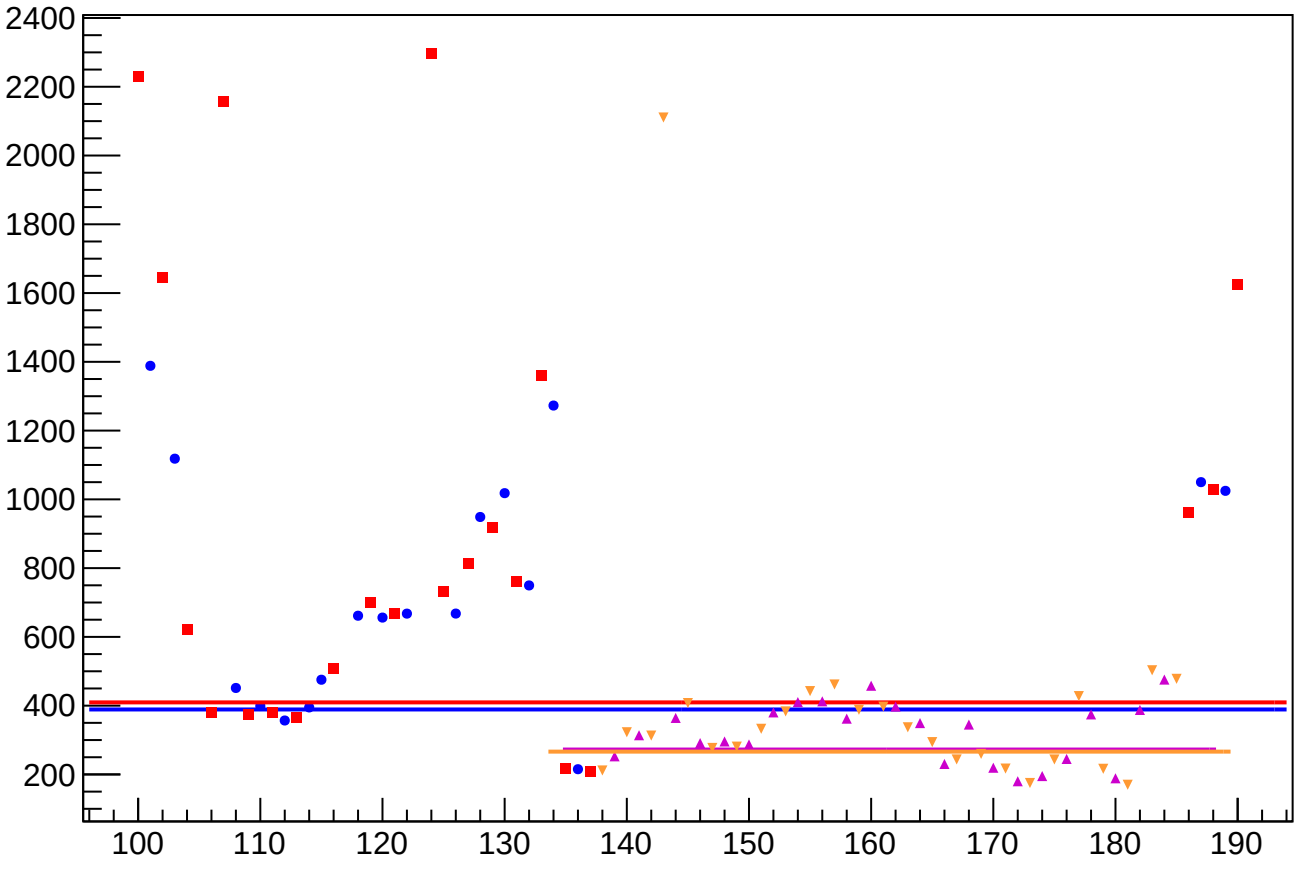
Right: -63.938+/-117.585 χ^2/NDF: 42.0/39

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.707+/-60.570 χ^2/NDF:69.6/46

All: -15.677+/-43.383 χ^2/NDF: 110.1/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF: 5442365.2/21

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

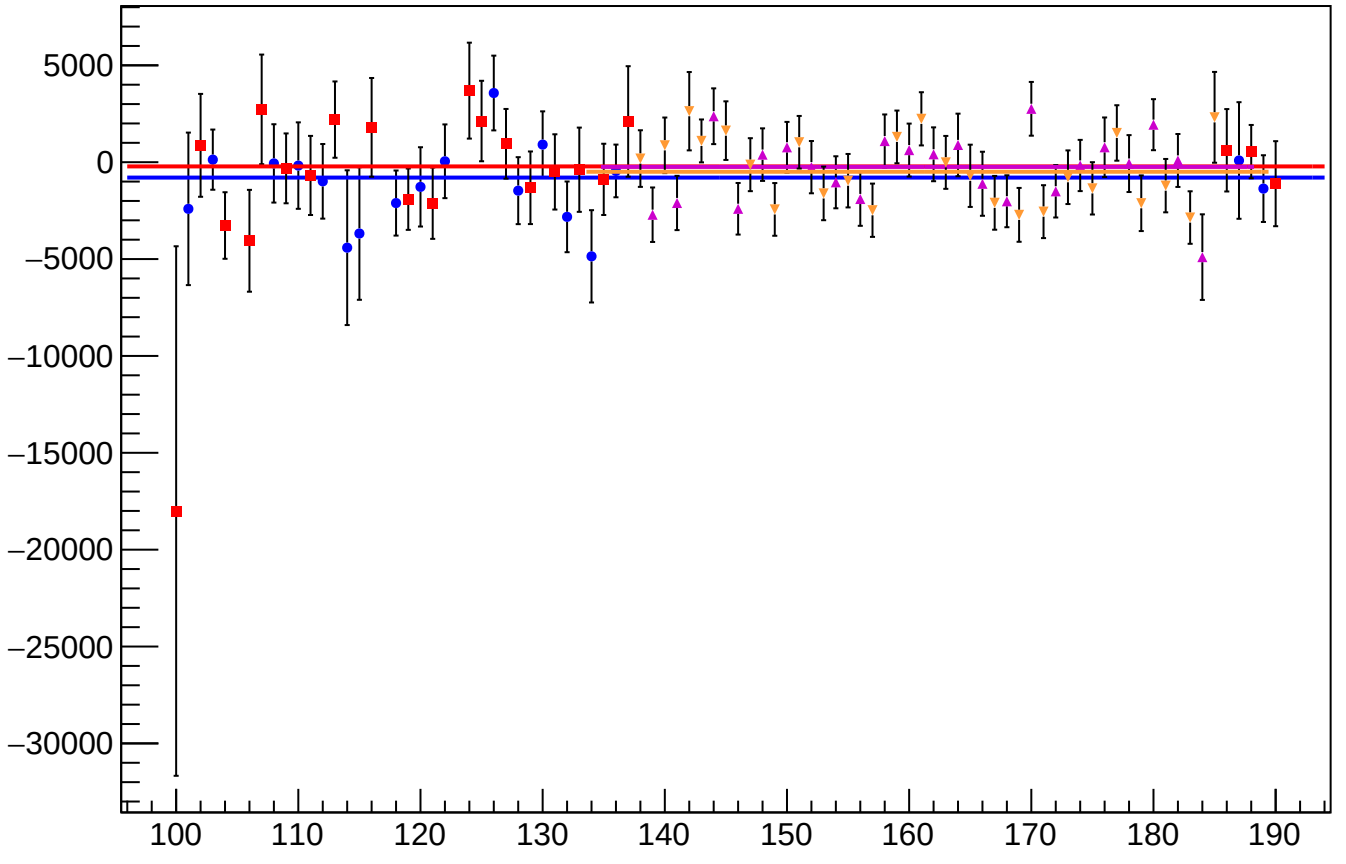
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 399.274+/-0.083 χ^2/NDF: 10208286.4/39

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 285.410+/-0.043 χ^2/NDF:11363755.1/46

All: 286.961+/-0.031 χ^2/NDF: 19846641.8/87



Right In: -794.138+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -217.653+/-436.447 χ^2/NDF: 18.6/21

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

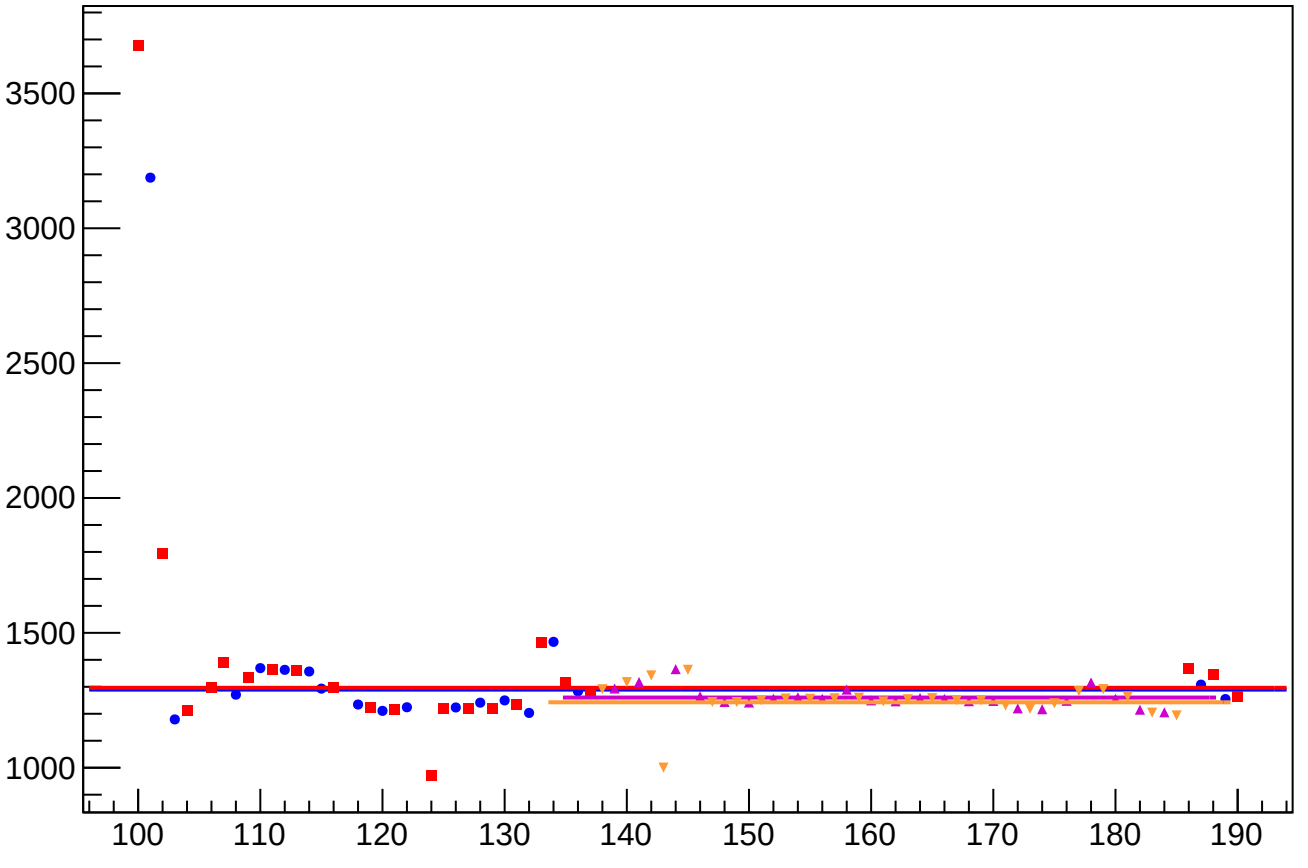
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -487.483+/-318.319 χ^2/NDF: 33.2/39

In: -399.812+/-248.745 χ^2/NDF:45.5/40

Out: -411.914+/-237.294 χ^2/NDF:53.1/46

All: -406.148+/-171.698 χ^2/NDF: 98.6/87



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1296.265+/-0.309 χ^2/NDF: 215191.1/21

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

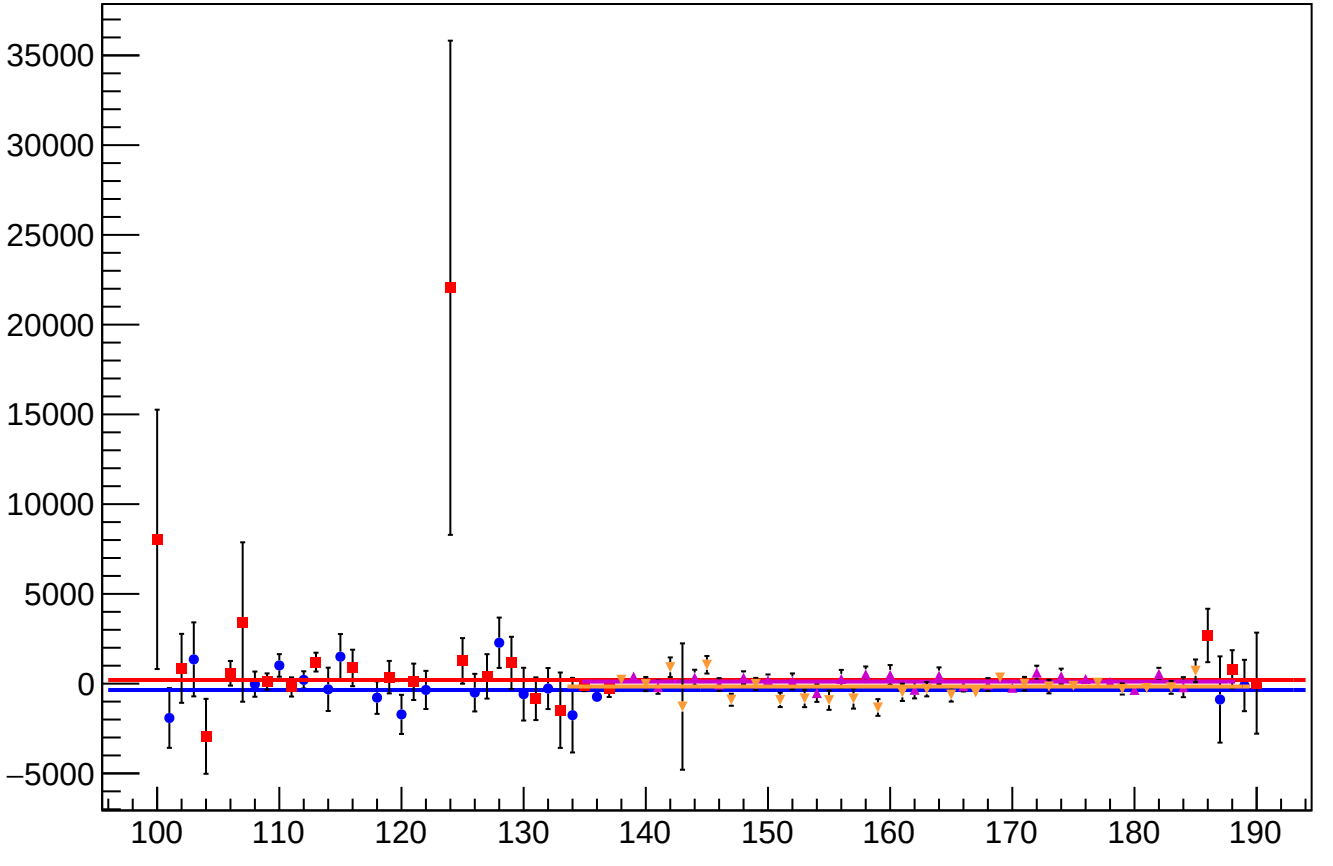
Right: 1293.183+/-0.225 χ^2/NDF: 725765.2/39

In: 1268.550+/-0.176 χ^2/NDF:544068.6/40

Out: 1258.421+/-0.168 χ^2/NDF:366561.9/46

All: 1263.247+/-0.121 χ^2/NDF: 912366.7/87

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 204.584+/-166.210 χ^2/NDF: 19.0/21

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

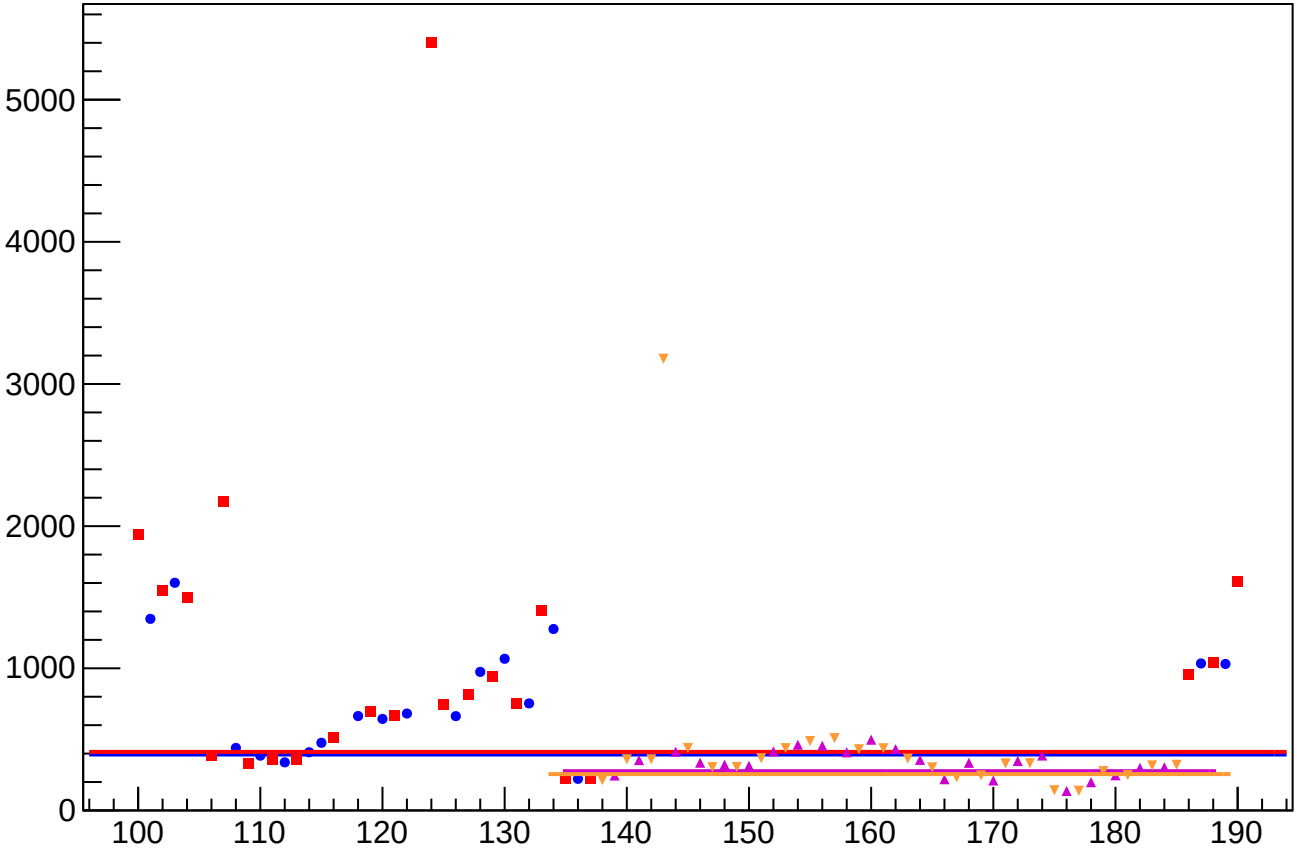
Right: -71.272+/-118.284 χ^2/NDF: 43.1/39

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.563+/-59.833 χ^2/NDF:67.0/46

All: -38.477+/-43.618 χ^2/NDF: 113.7/87

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 412.008+/-0.118 χ^2/NDF: 5937168.3/21

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

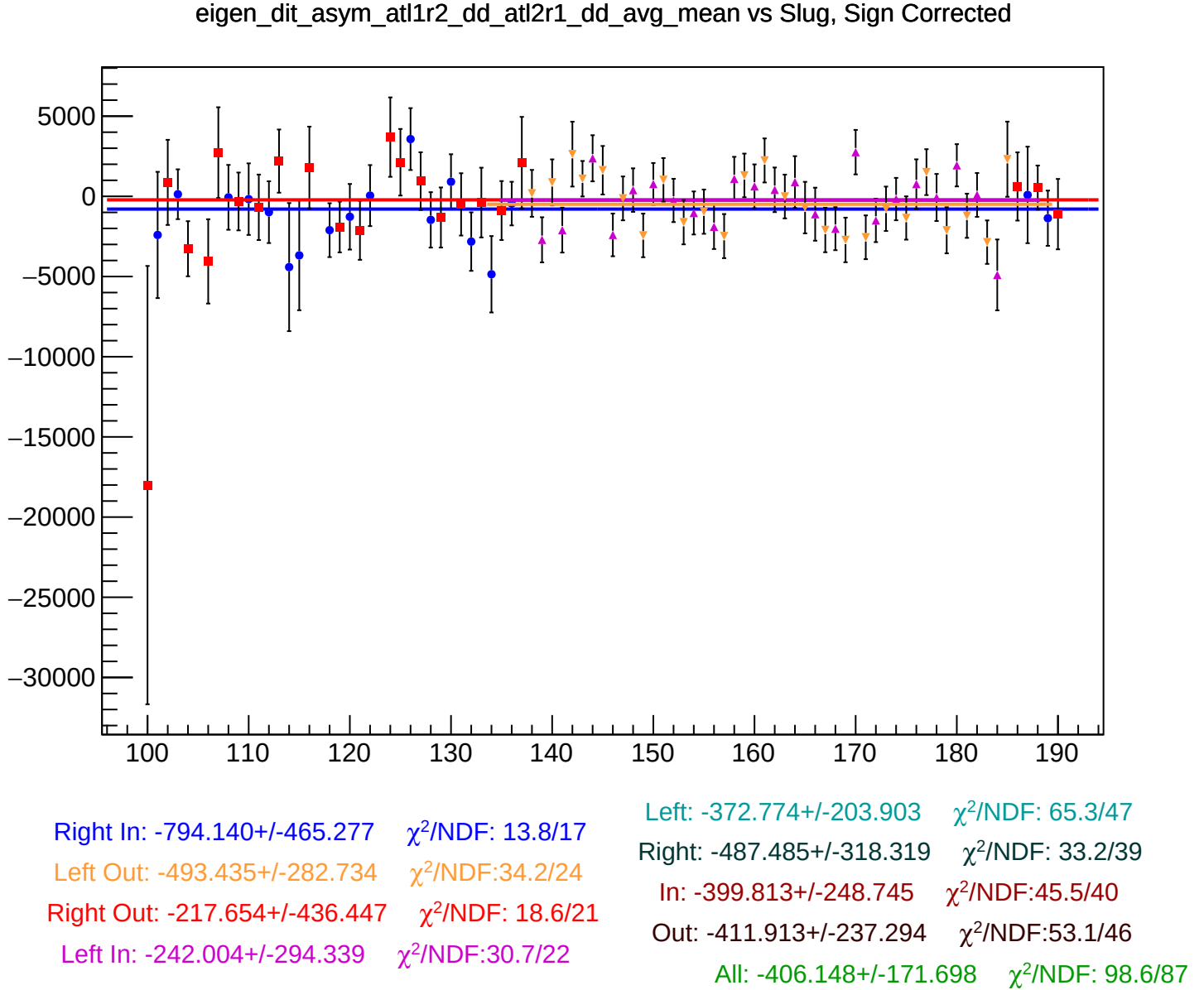
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

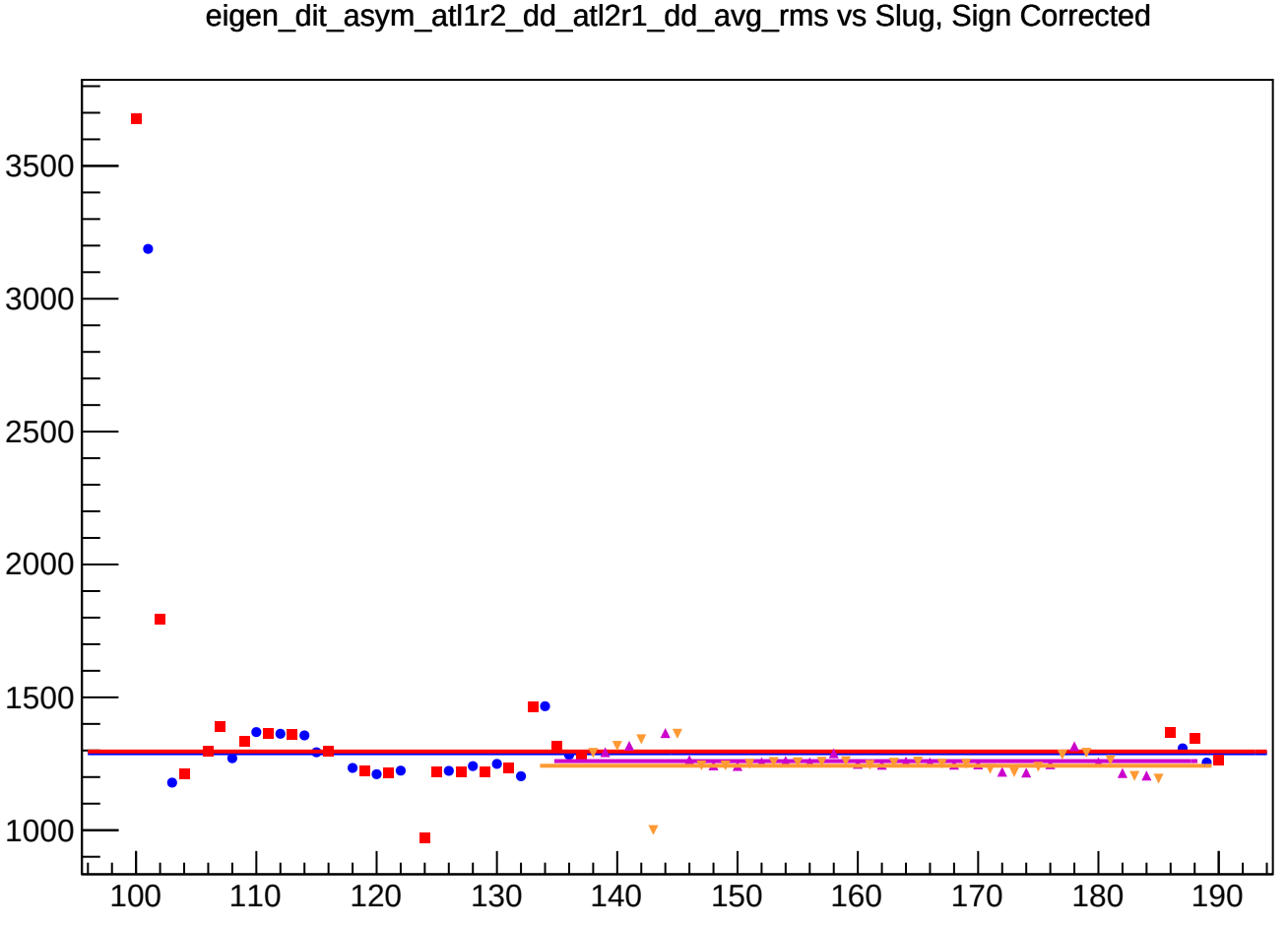
Right: 402.894+/-0.084 χ^2/NDF: 10816076.8/39

In: 293.091+/-0.045 χ^2/NDF:9725014.9/40

Out: 276.015+/-0.042 χ^2/NDF:13849337.6/46

All: 284.016+/-0.031 χ^2/NDF: 23650678.9/87


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -794.140+/-465.277 χ²/NDF: 13.8/17
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -217.654+/-436.447 χ²/NDF: 18.6/21
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -487.485+/-318.319 χ²/NDF: 33.2/39
In: -399.813+/-248.745 χ²/NDF:45.5/40
Out: -411.913+/-237.294 χ²/NDF:53.1/46
All: -406.148+/-171.698 χ²/NDF: 98.6/87



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1296.265+/-0.309 χ^2/NDF: 215191.3/21

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

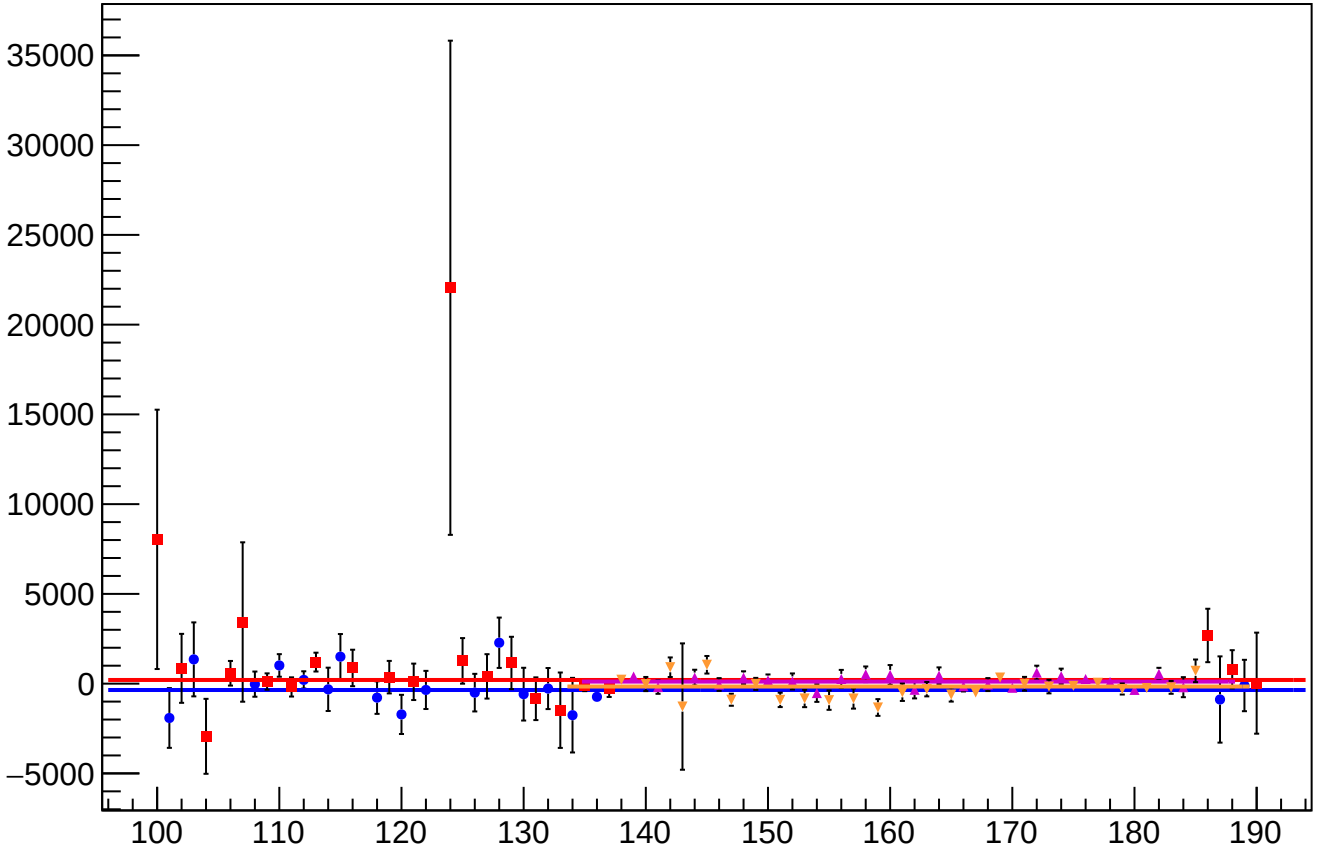
Right: 1293.183+/-0.225 χ^2/NDF: 725765.5/39

In: 1268.550+/-0.176 χ^2/NDF:544068.7/40

Out: 1258.421+/-0.168 χ^2/NDF:366561.3/46

All: 1263.247+/-0.121 χ^2/NDF: 912366.1/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 204.591+/-166.213 χ^2/NDF: 19.0/21

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

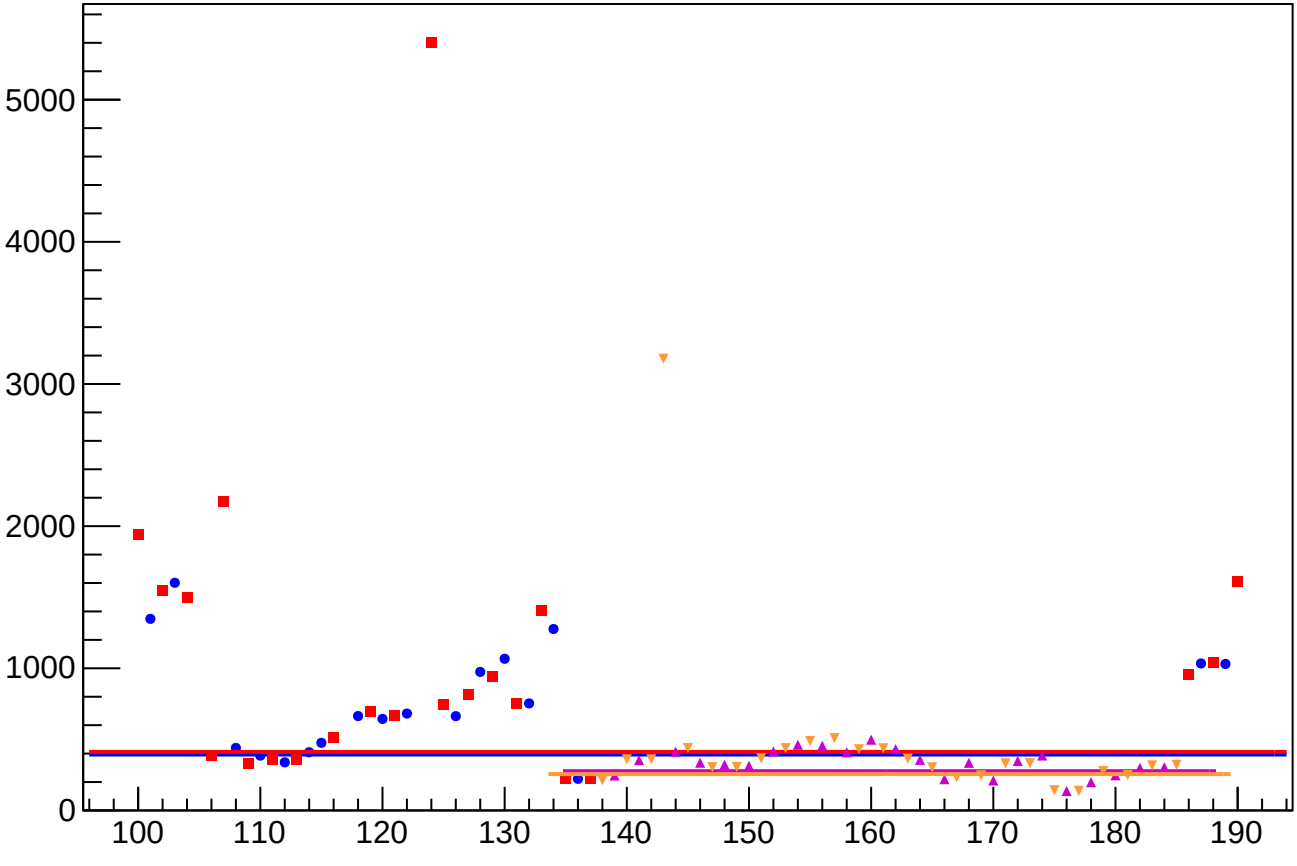
Right: -71.268+/-118.286 χ^2/NDF: 43.1/39

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.566+/-59.833 χ^2/NDF:67.0/46

All: -38.478+/-43.618 χ^2/NDF: 113.7/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 393.551+/-0.119 χ^2/NDF: 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 412.017+/-0.118 χ^2/NDF: 5937000.0/21

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

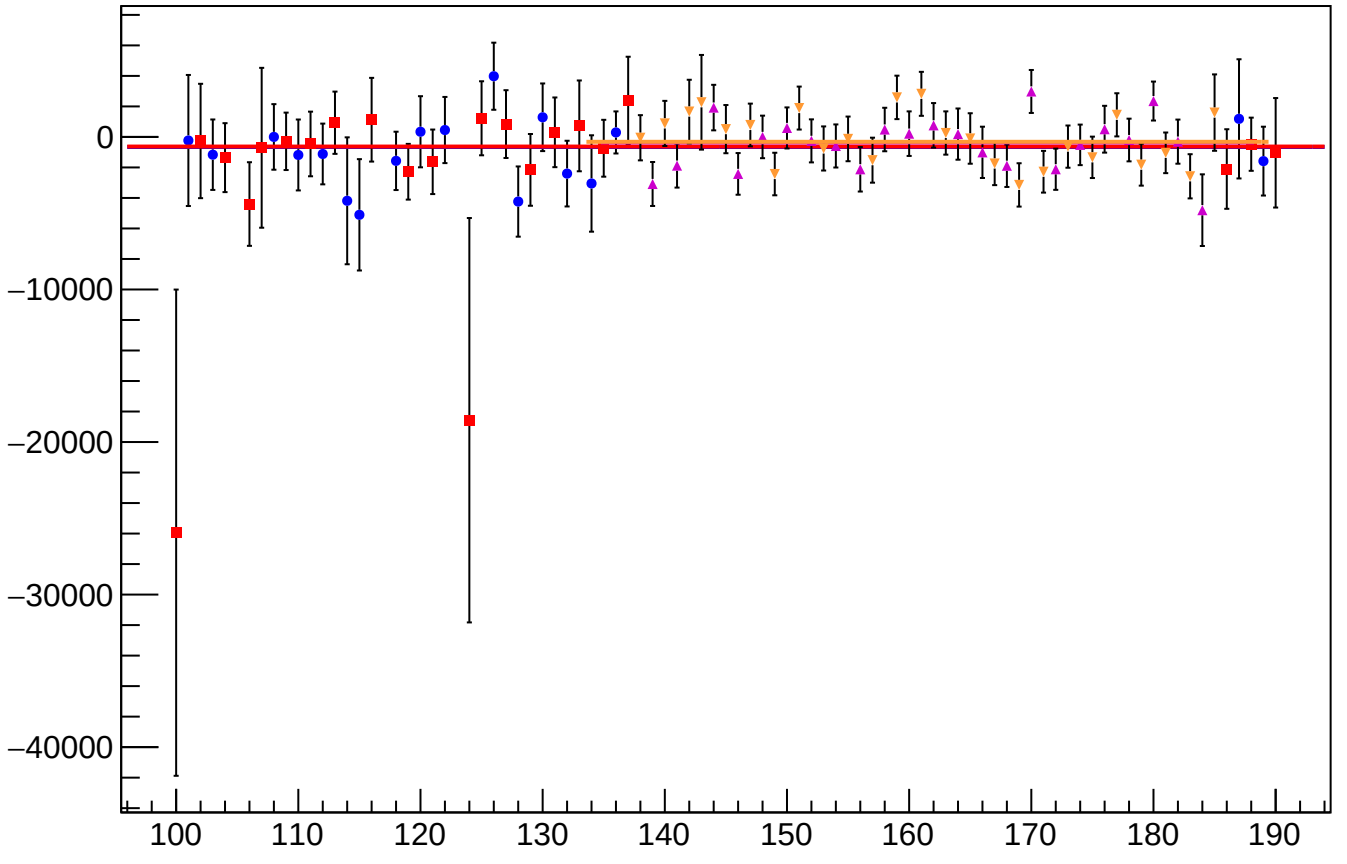
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 402.903+/-0.084 χ^2/NDF: 10815706.2/39

In: 293.092+/-0.045 χ^2/NDF:9724890.1/40

Out: 276.017+/-0.042 χ^2/NDF:13849169.6/46

All: 284.018+/-0.031 χ^2/NDF: 23650381.8/87



Right In: -660.215+/-542.199 χ^2/NDF: 12.9/17

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -630.889+/-522.219 χ^2/NDF: 11.7/21

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

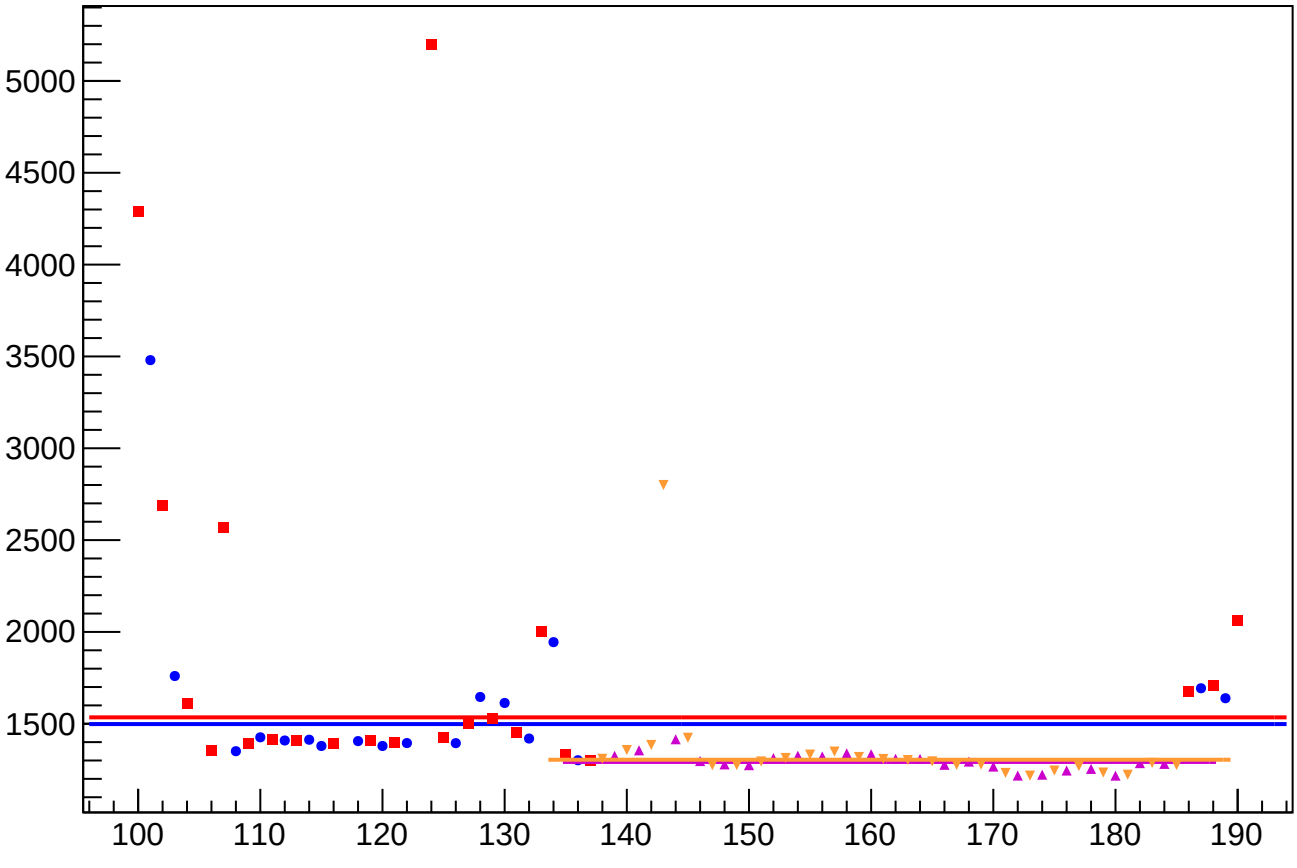
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -645.002+/-376.130 χ^2/NDF: 24.5/39

In: -428.292+/-263.769 χ^2/NDF:42.8/40

Out: -396.279+/-259.001 χ^2/NDF:43.5/46

All: -411.994+/-184.804 χ^2/NDF: 86.3/87



Right In: 1498.249+/-0.383 χ^2/NDF: 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1534.920+/-0.369 χ^2/NDF: 701060.0/21

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

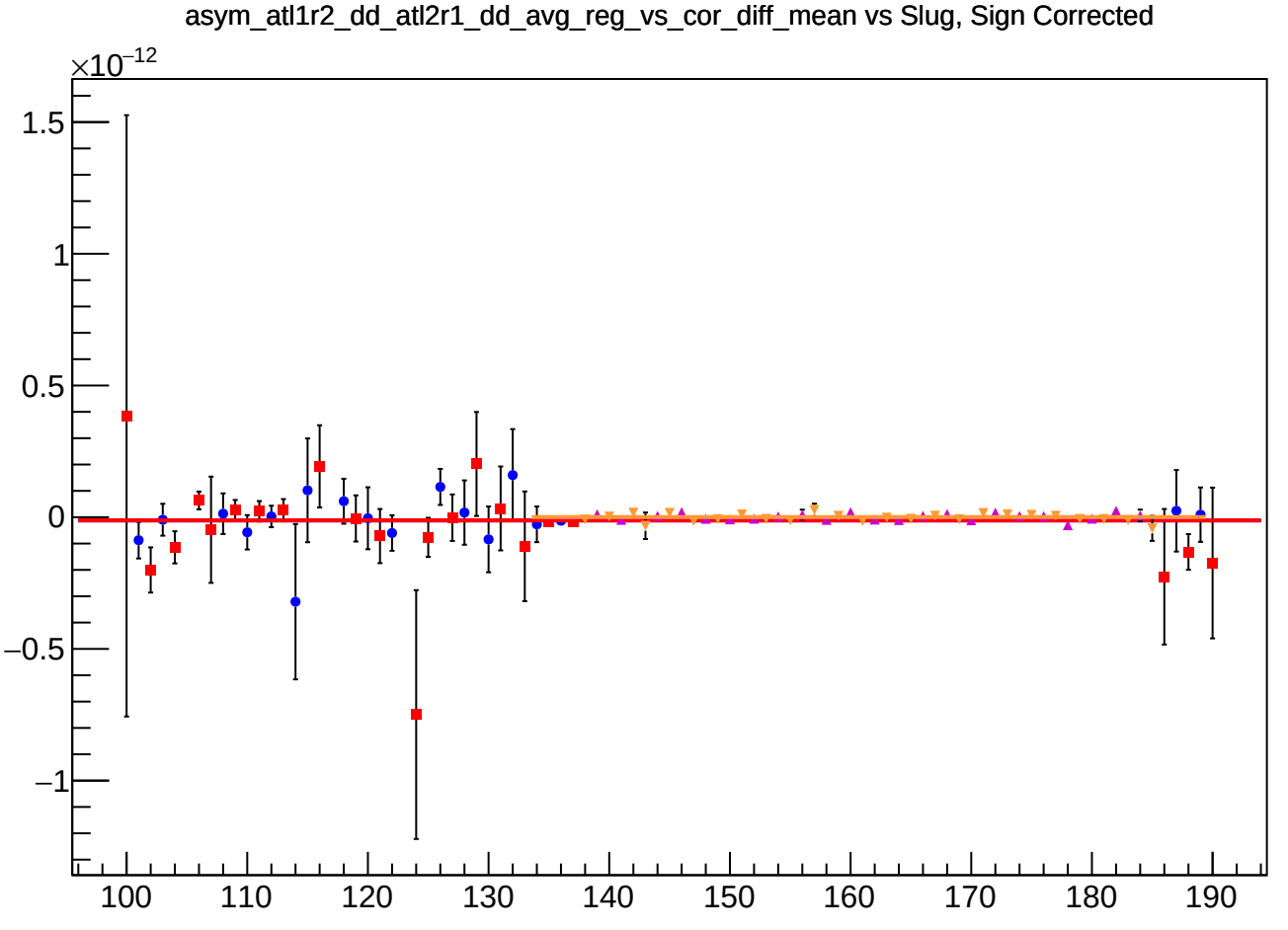
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1517.273+/-0.266 χ^2/NDF: 1304089.9/39

In: 1340.906+/-0.187 χ^2/NDF:867272.8/40

Out: 1360.920+/-0.183 χ^2/NDF:1515142.4/46

All: 1351.095+/-0.131 χ^2/NDF: 2388277.5/87



Right In: -0.000+/-0.000 χ^2/NDF: 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/21

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

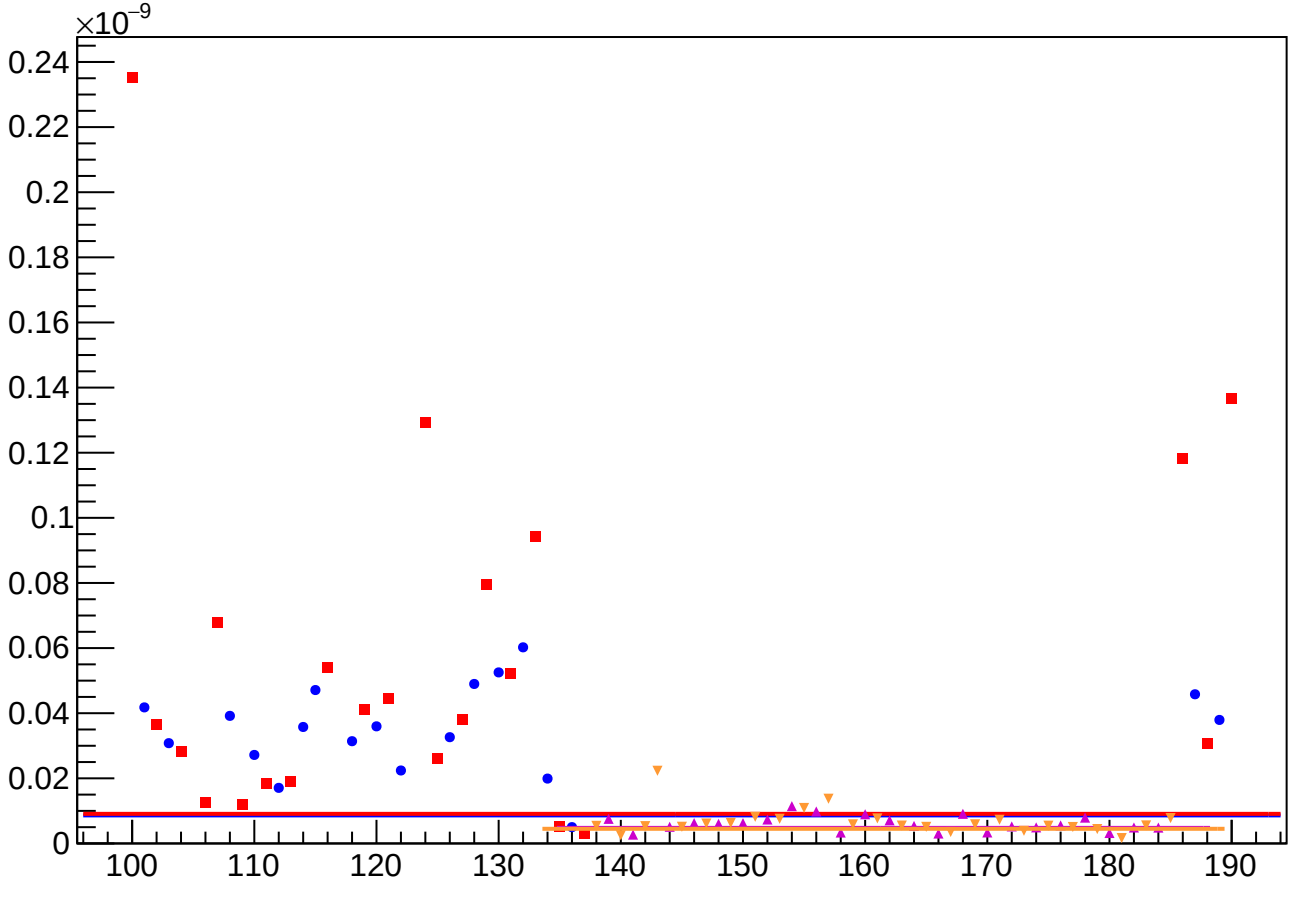
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 36.1/39

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:53.3/46

All: -0.000+/-0.000 χ^2/NDF: 95.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4319981.9/21

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

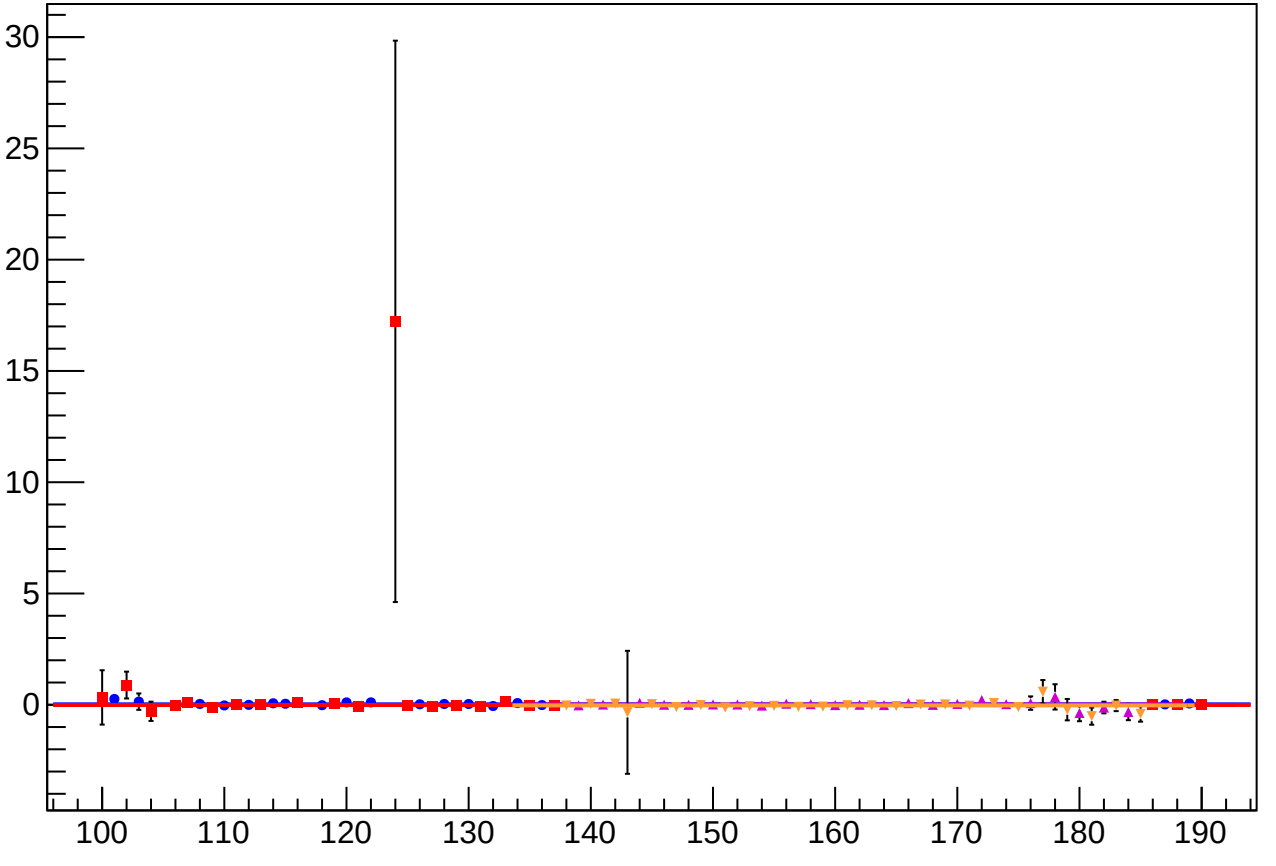
Right: 0.000+/-0.000 χ^2/NDF: 7662328.3/39

In: 0.000+/-0.000 χ^2/NDF:5723972.0/40

Out: 0.000+/-0.000 χ^2/NDF:7665667.9/46

All: 0.000+/-0.000 χ^2/NDF: 13415251.3/87

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

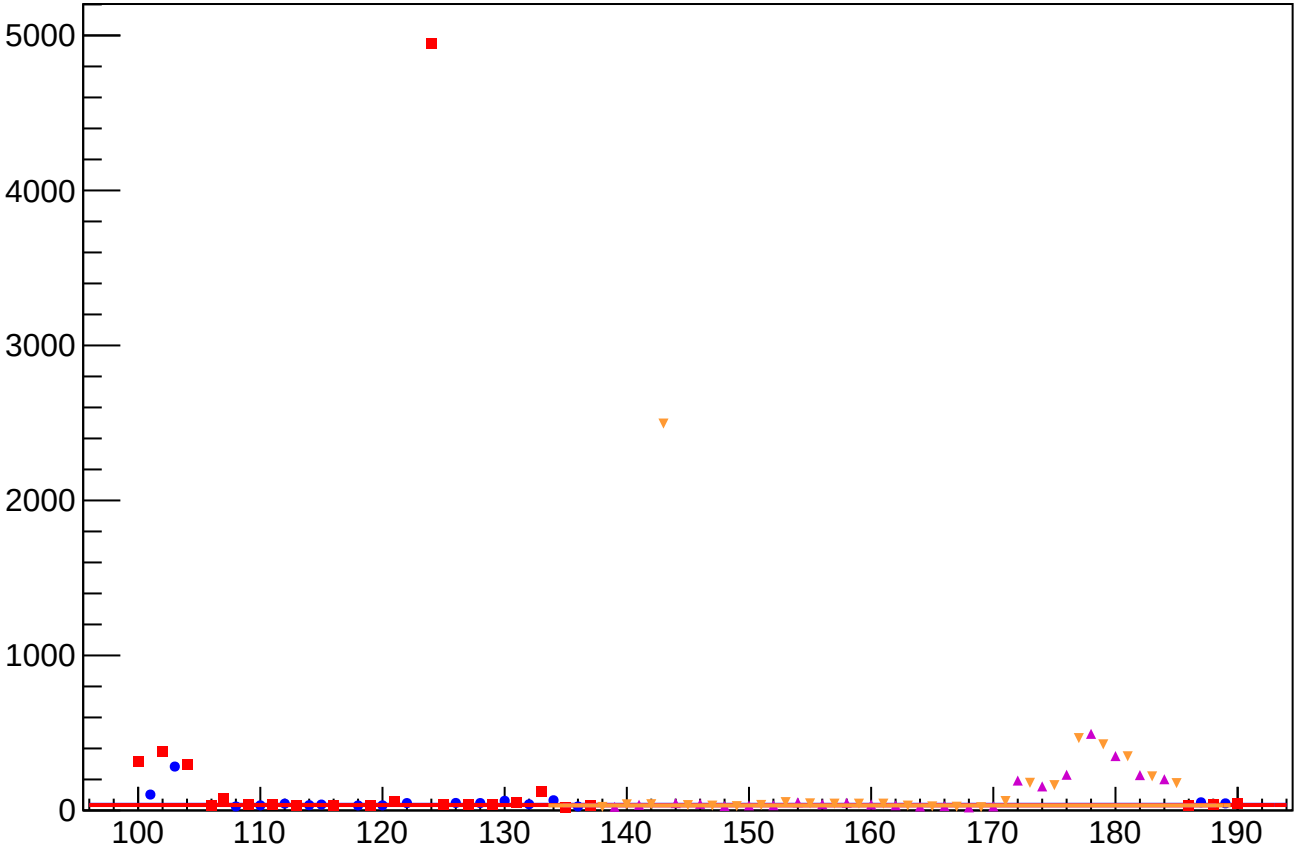
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2980134.6/21

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

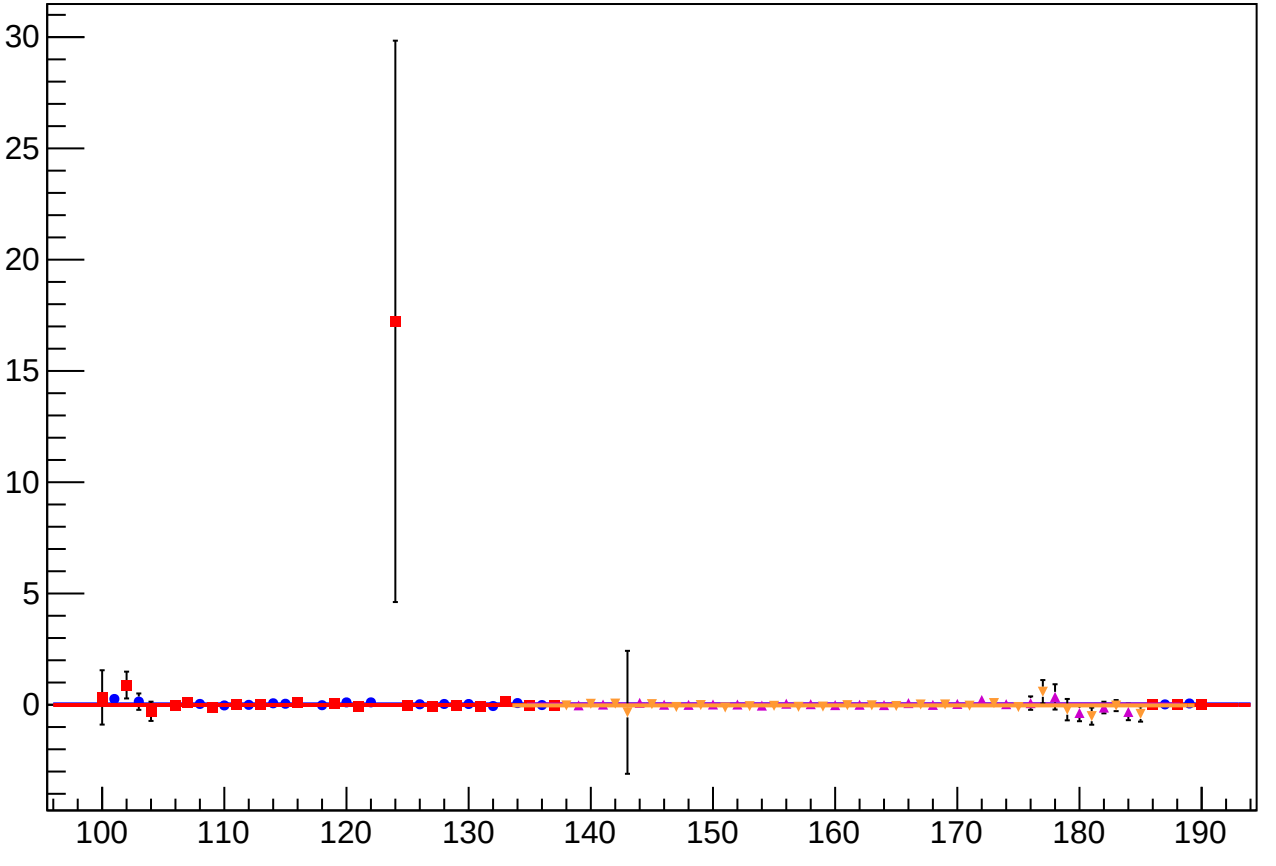
Right: 35.621+/-0.007 χ^2/NDF: 5328508.1/39

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.308+/-0.006 χ^2/NDF:13891430.0/46

All: 33.549+/-0.004 χ^2/NDF: 25282918.8/87

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

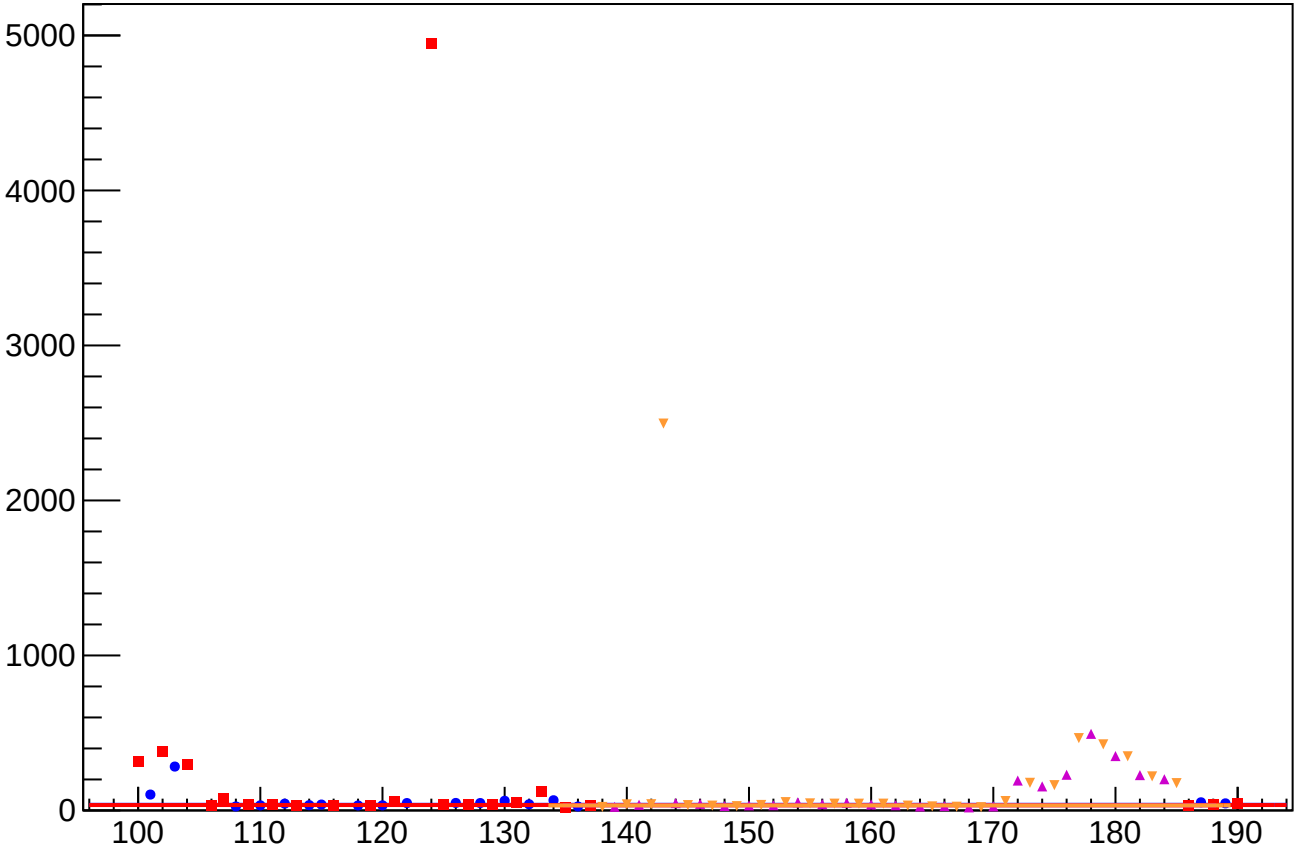
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2980134.6/21

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

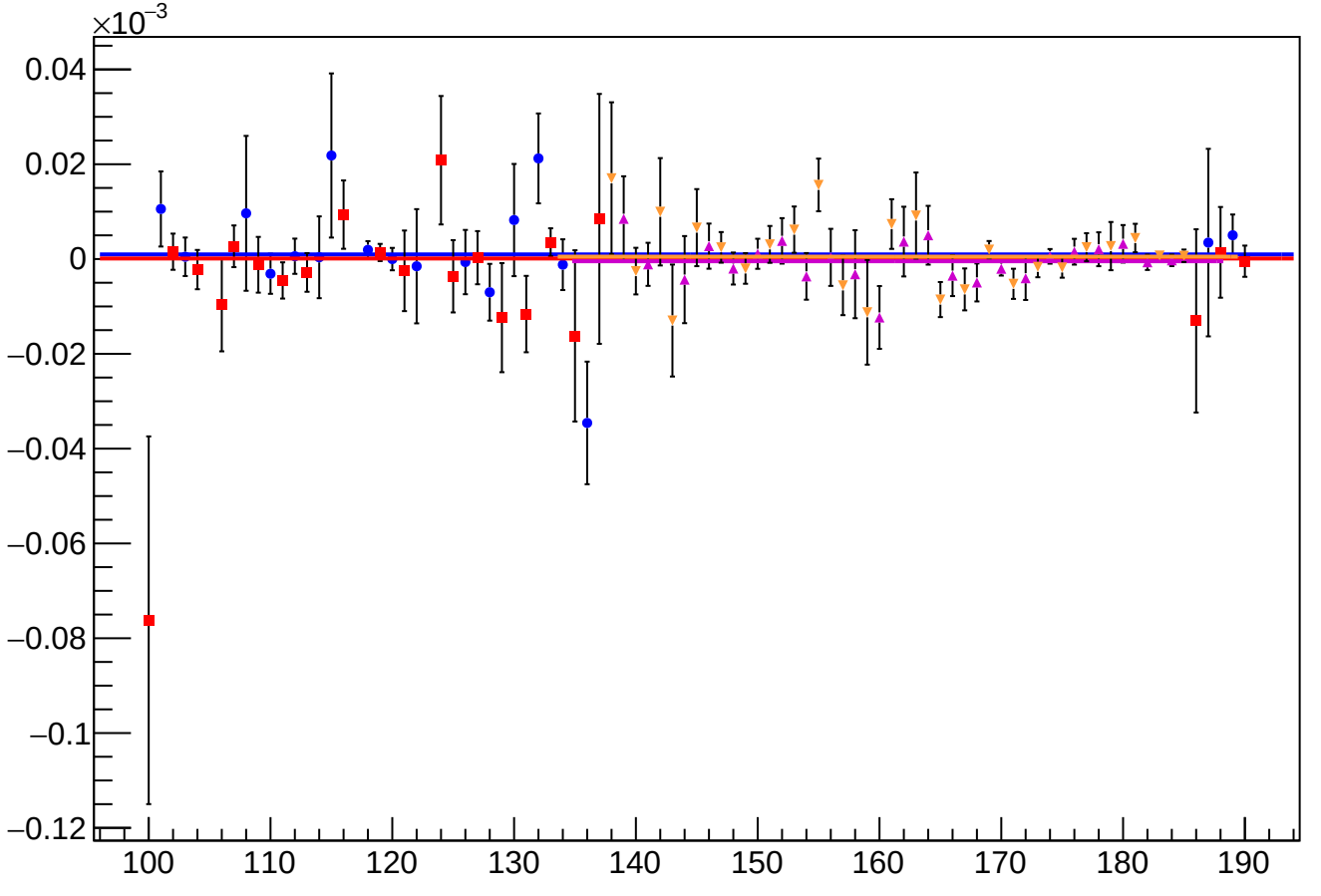
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.621+/-0.007 χ^2/NDF: 5328508.1/39

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.308+/-0.006 χ^2/NDF:13891430.0/46

All: 33.549+/-0.004 χ^2/NDF: 25282918.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/21

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

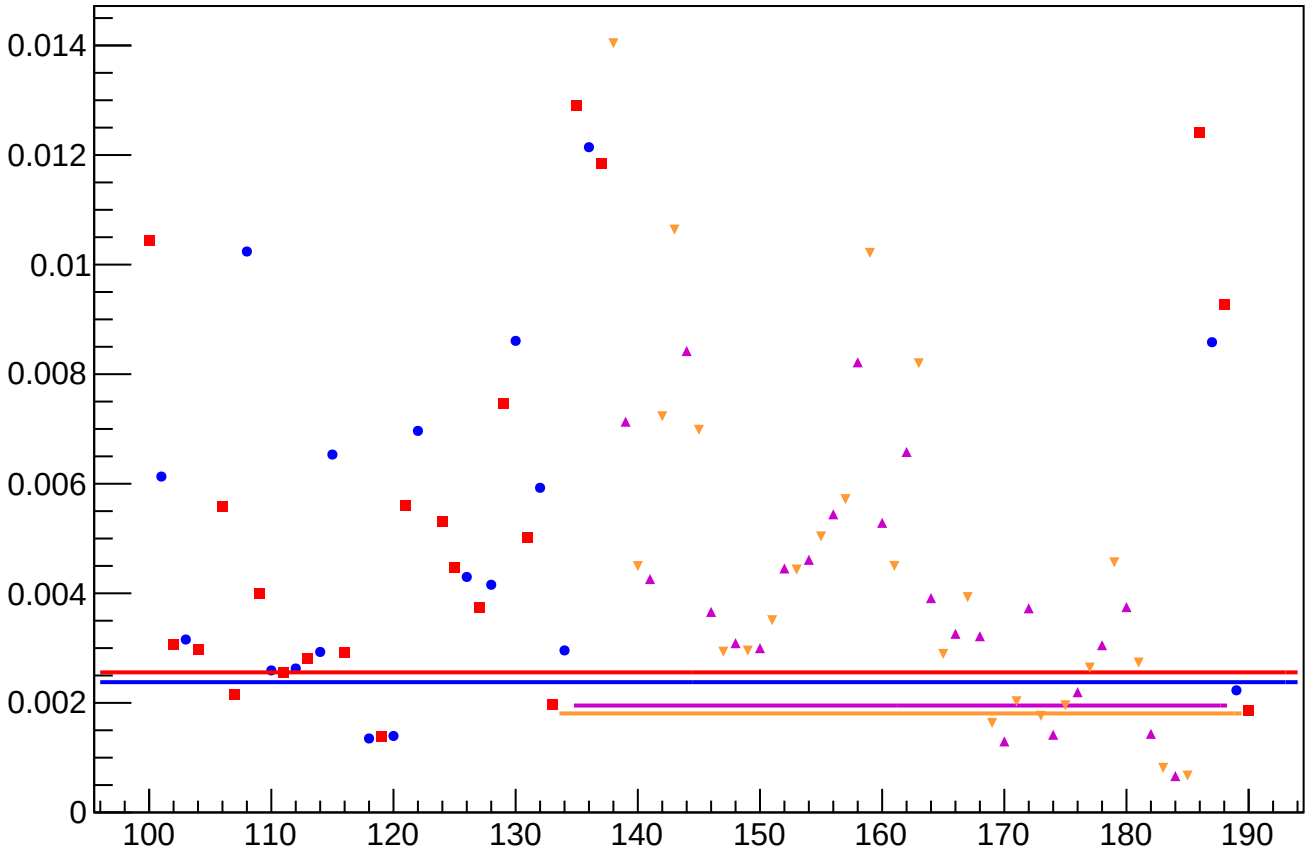
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 39.0/39

In: -0.000+/-0.000 χ^2/NDF:35.1/40

Out: 0.000+/-0.000 χ^2/NDF:54.4/46

All: 0.000+/-0.000 χ^2/NDF: 90.1/87



Right In: 0.002+/-0.000 χ^2/NDF: 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4993756.9/21

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

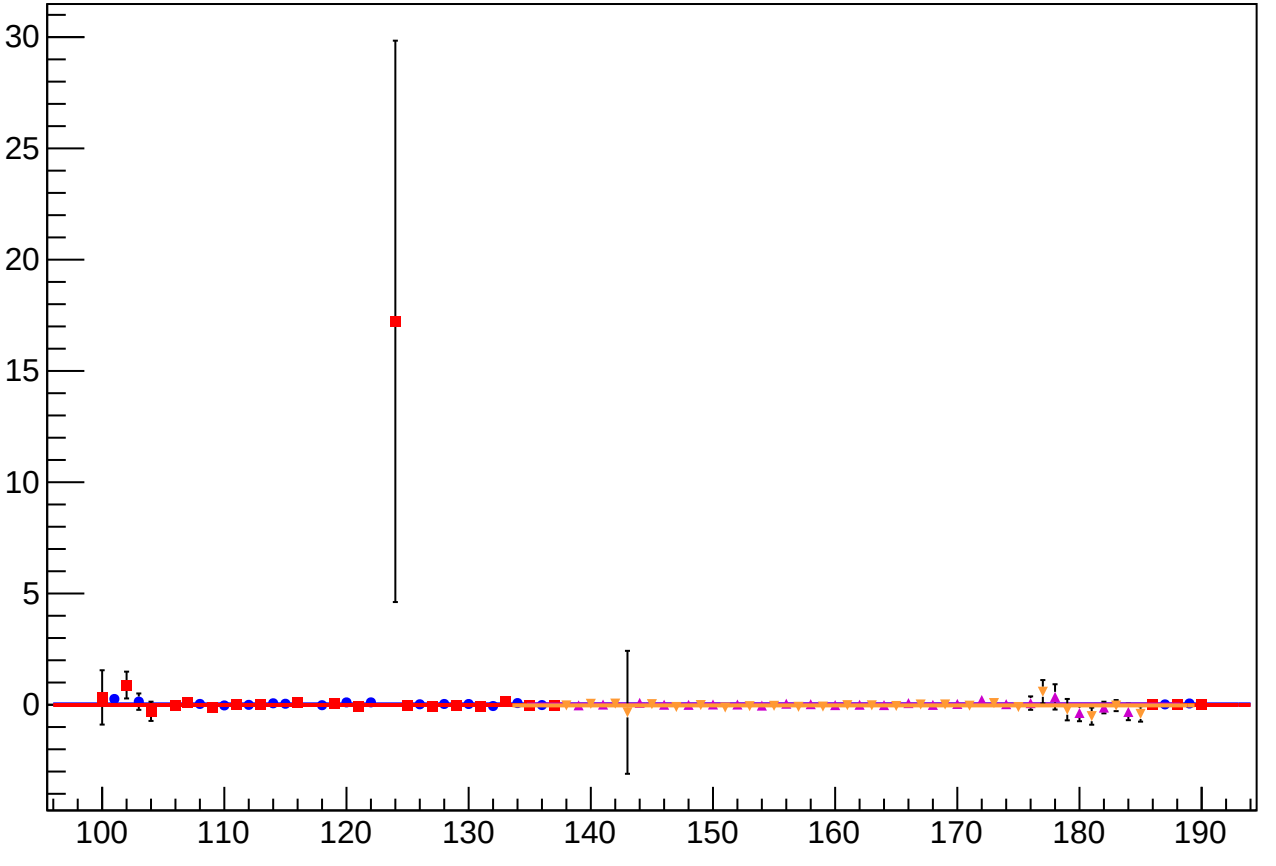
Right: 0.002+/-0.000 χ^2/NDF: 9944392.9/39

In: 0.002+/-0.000 χ^2/NDF:16643075.7/40

Out: 0.002+/-0.000 χ^2/NDF:20793030.3/46

All: 0.002+/-0.000 χ^2/NDF: 37456993.8/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

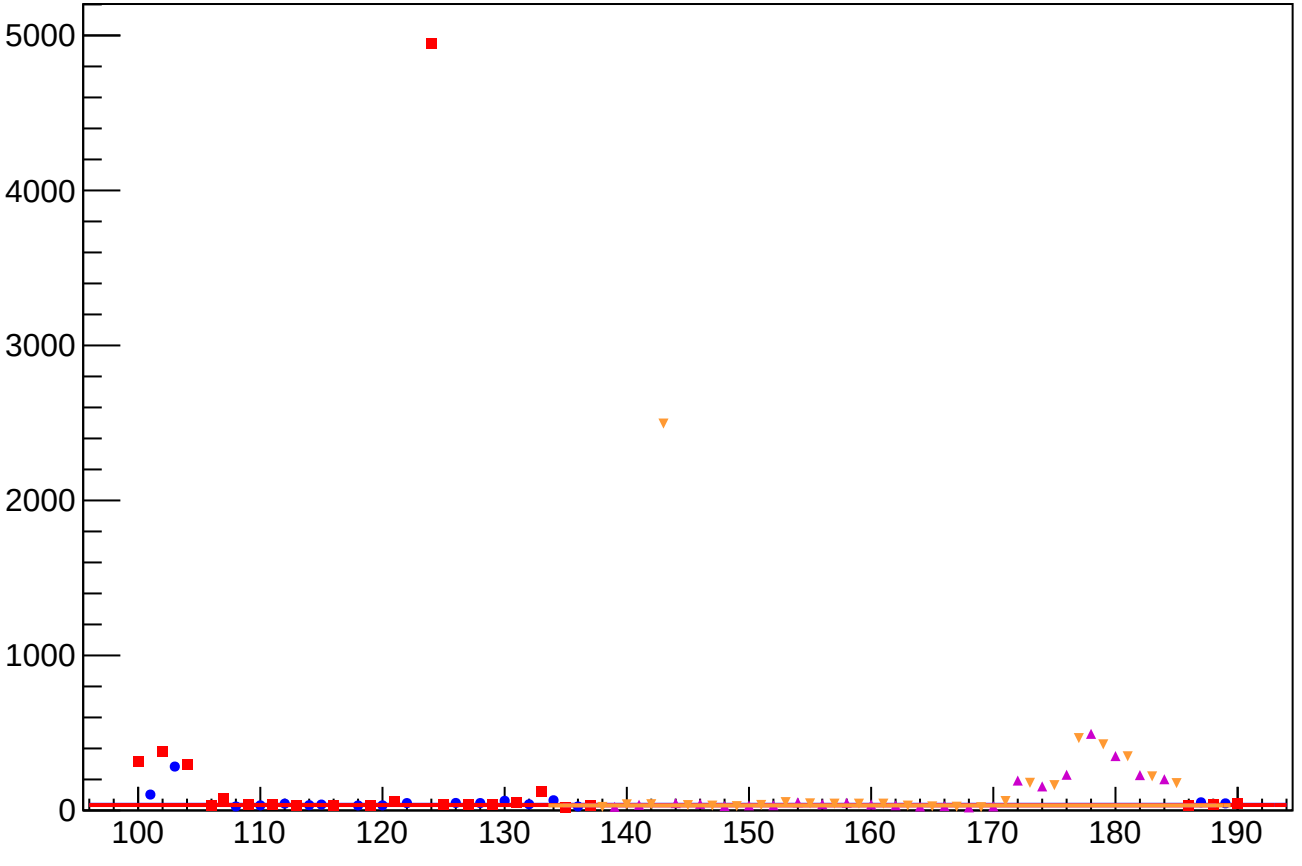
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2979946.7/21

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

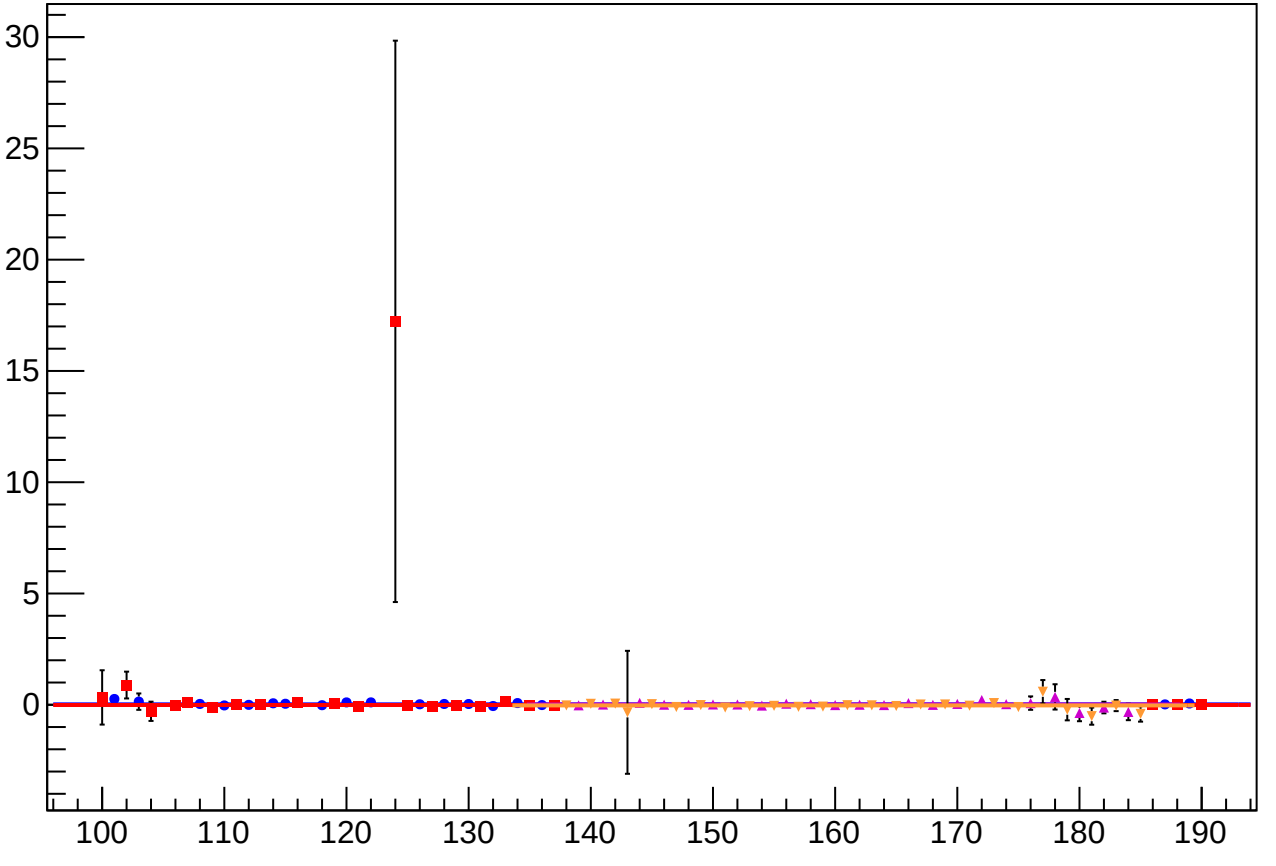
Right: 35.622+/-0.007 χ^2/NDF: 5328037.0/39

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.308+/-0.006 χ^2/NDF:13891516.2/46

All: 33.548+/-0.004 χ^2/NDF: 25283459.0/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/21

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

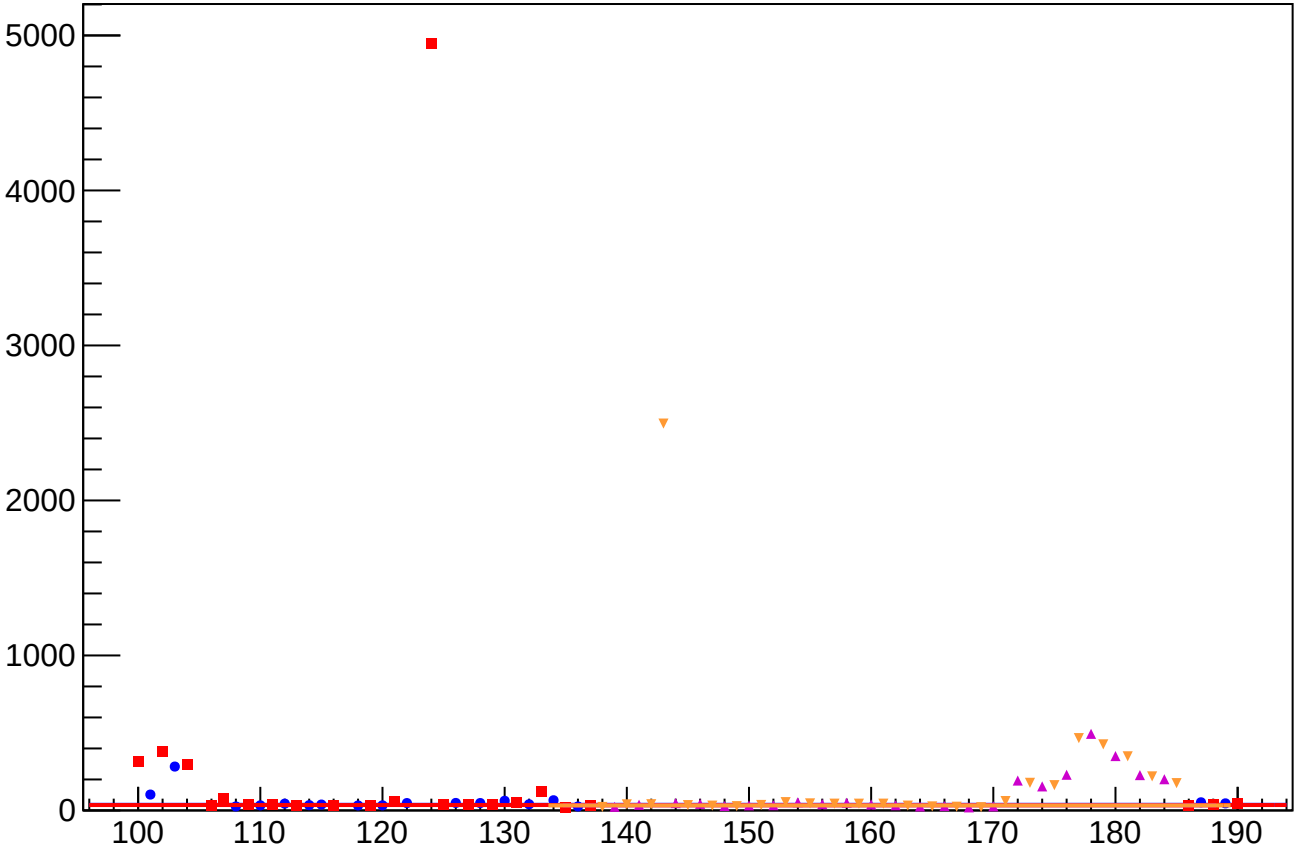
Right: 0.004+/-0.010 χ^2/NDF: 30.1/39

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/46

All: -0.005+/-0.006 χ^2/NDF: 80.7/87

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.918+/-0.010 χ^2/NDF: 2979946.7/21

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

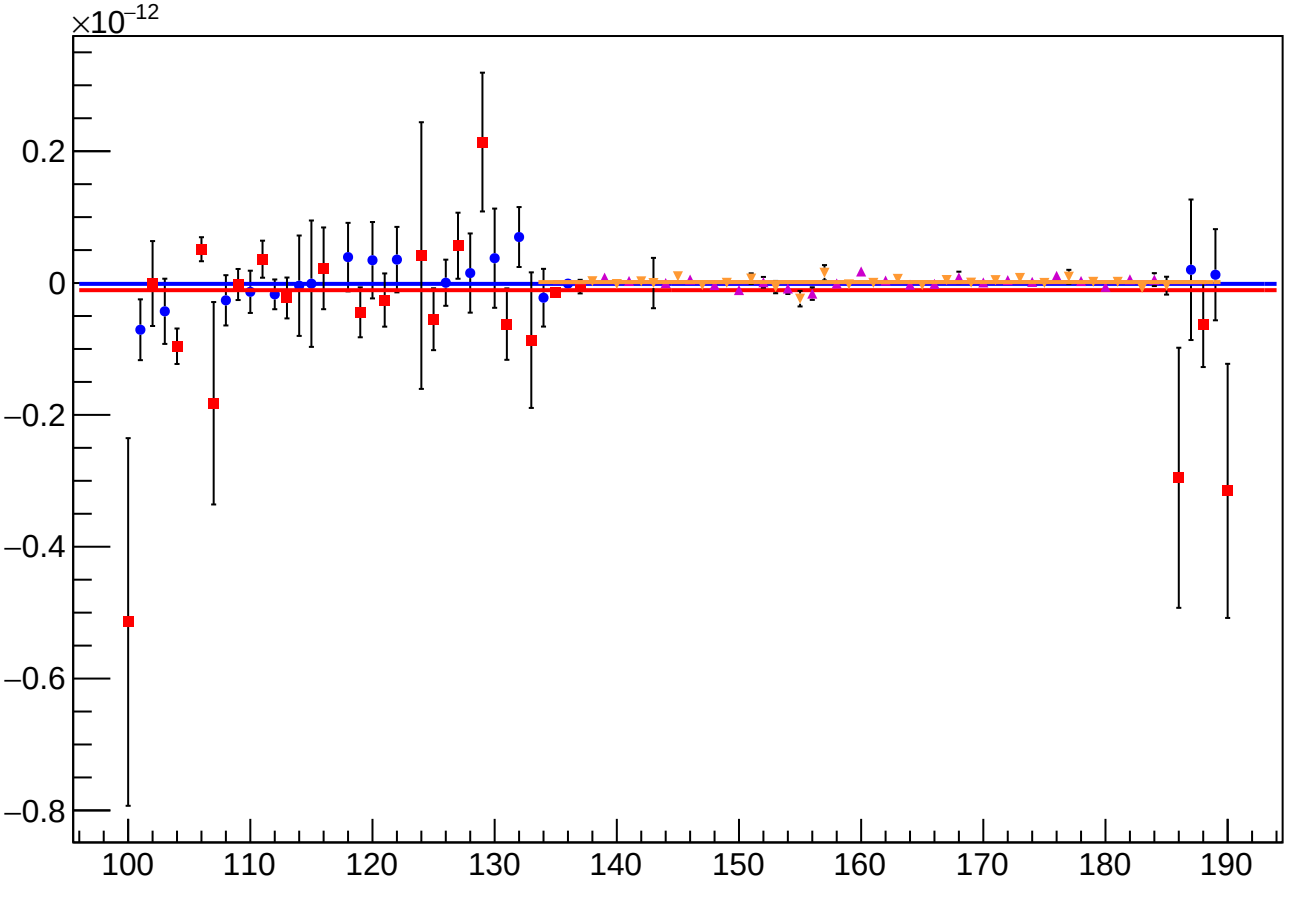
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.622+/-0.007 χ^2/NDF: 5328037.0/39

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.308+/-0.006 χ^2/NDF:13891516.2/46

All: 33.548+/-0.004 χ^2/NDF: 25283459.0/87



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.1/21

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

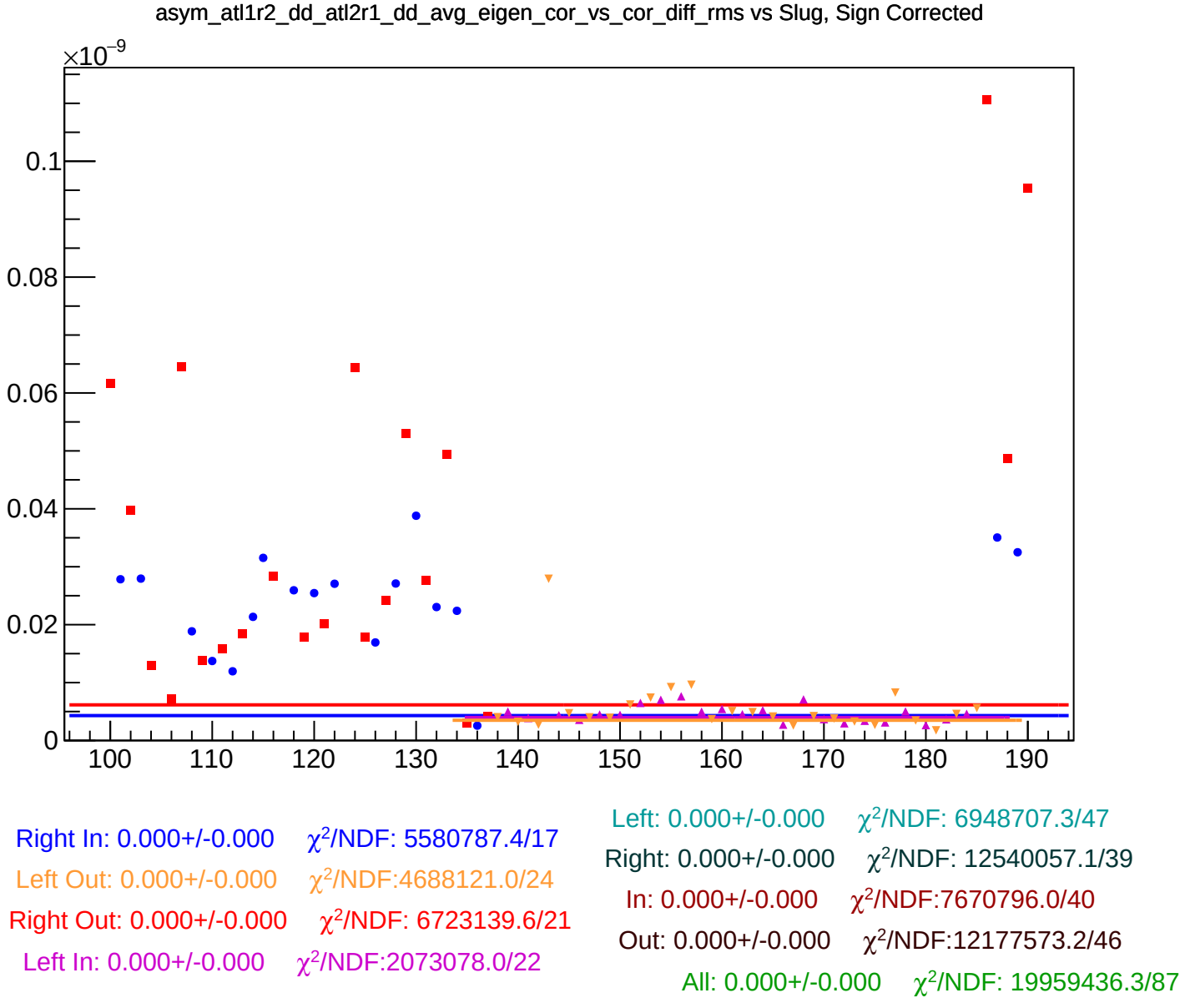
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

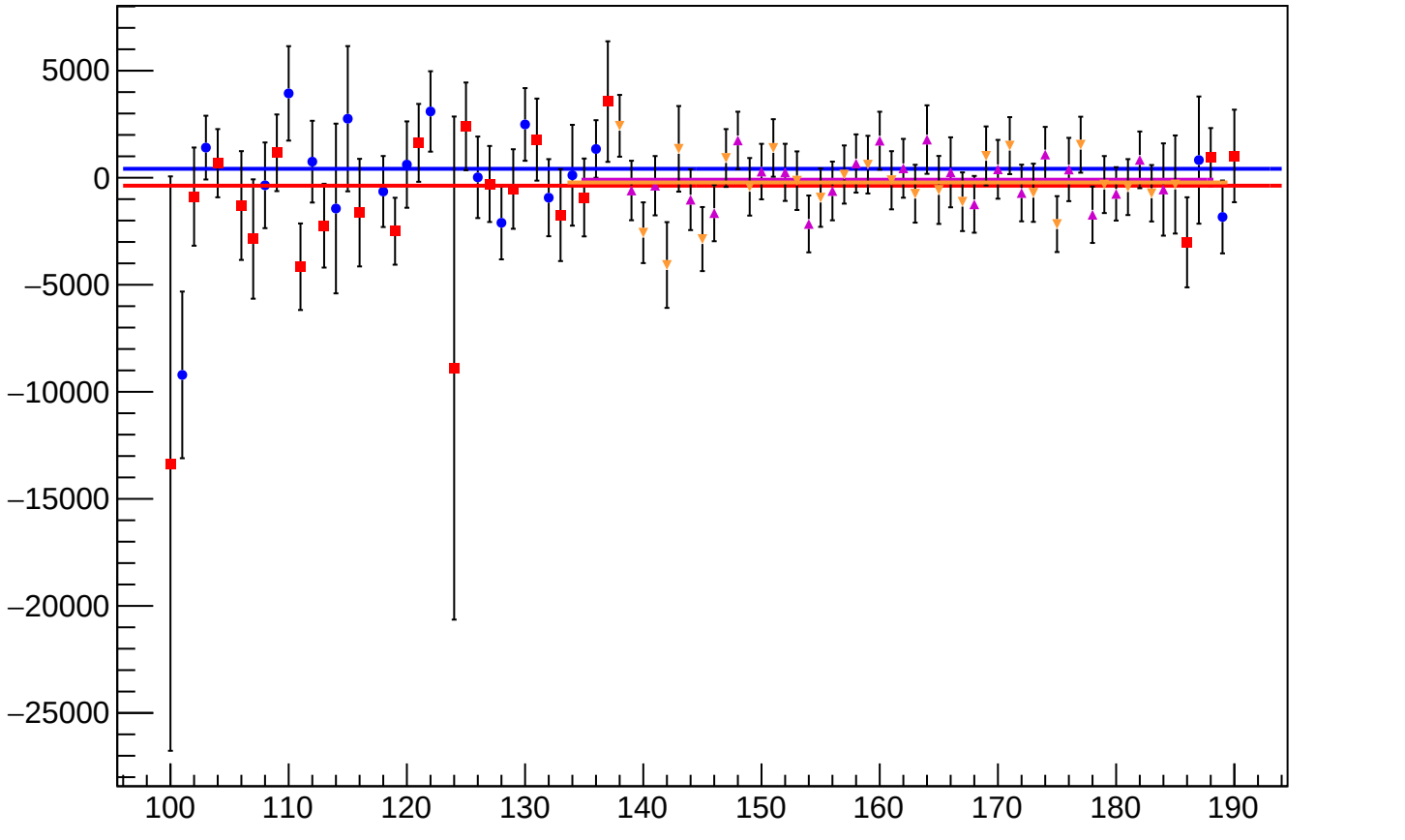
Right: -0.000+/-0.000 χ^2/NDF: 57.0/39

In: 0.000+/-0.000 χ^2/NDF:37.9/40

Out: 0.000+/-0.000 χ^2/NDF:71.4/46

All: 0.000+/-0.000 χ^2/NDF: 109.2/87


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5580787.4/17
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6723139.6/21
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: 12540057.1/39
In: 0.000+/-0.000 χ²/NDF:7670796.0/40
Out: 0.000+/-0.000 χ²/NDF:12177573.2/46
All: 0.000+/-0.000 χ²/NDF: 19959436.3/87



Right In: 416.942+/-458.583 χ^2/NDF: 19.0/17

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -371.714+/-433.863 χ^2/NDF: 19.8/21

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

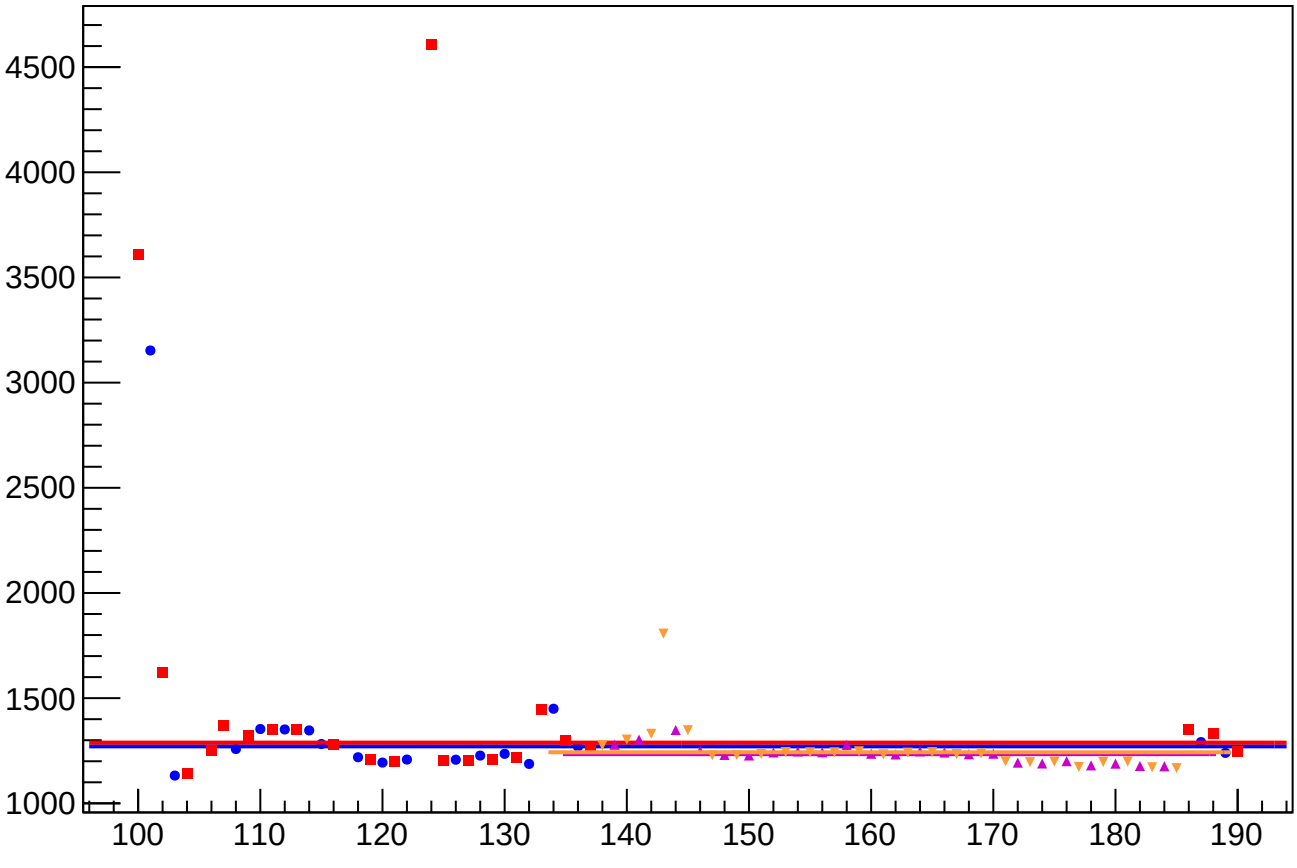
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: 0.786+/-315.165 χ^2/NDF: 40.4/39

In: 51.822+/-244.023 χ^2/NDF:34.5/40

Out: -265.801+/-237.065 χ^2/NDF:43.9/46

All: -111.583+/-170.037 χ^2/NDF: 79.3/87



Right In: 1270.843+/-0.324 χ^2/NDF: 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.659+/-0.307 χ^2/NDF: 326979.6/21

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

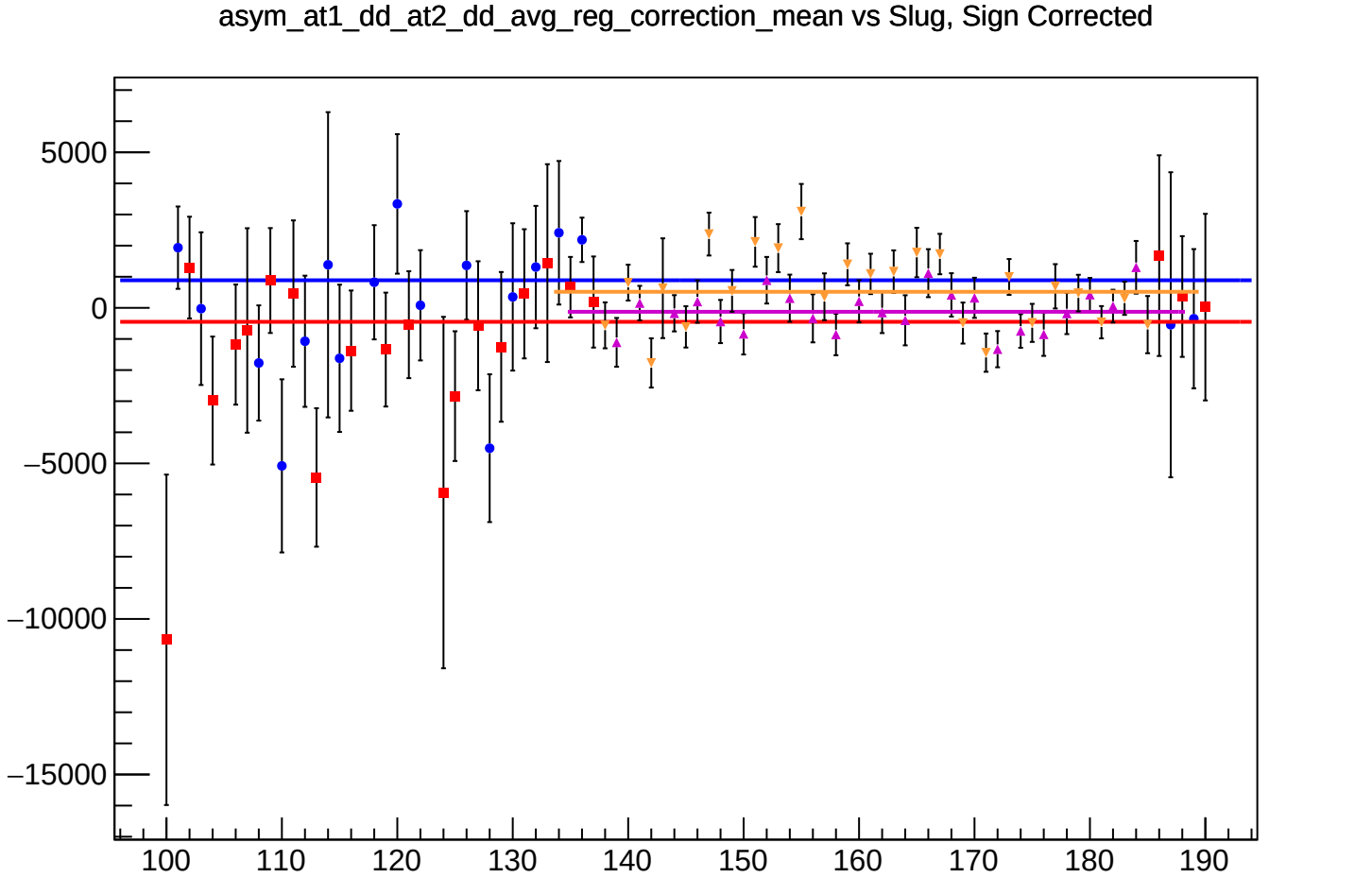
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1280.244+/-0.223 χ^2/NDF: 848663.9/39

In: 1244.255+/-0.173 χ^2/NDF:568752.1/40

Out: 1256.509+/-0.168 χ^2/NDF:545935.3/46

All: 1250.559+/-0.120 χ^2/NDF: 1117282.2/87



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -449.117+/-421.063 χ^2/NDF: 17.8/21

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

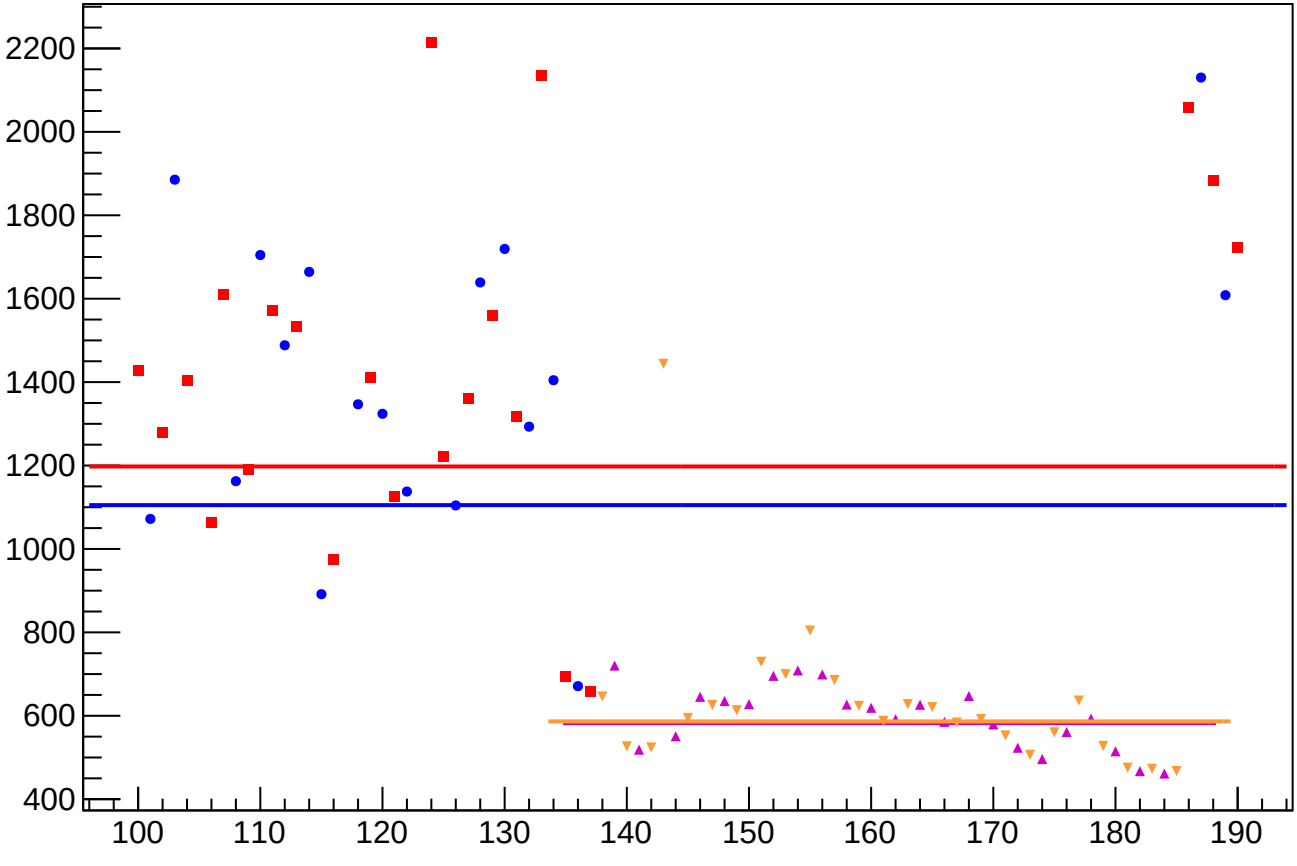
Right: 225.333+/-296.224 χ^2/NDF: 43.2/39

In: -27.474+/-130.378 χ^2/NDF:47.2/40

Out: 425.852+/-129.198 χ^2/NDF:89.6/46

All: 201.250+/-91.771 χ^2/NDF: 142.9/87

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1197.721+/-0.298 χ^2/NDF: 1787206.1/21

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

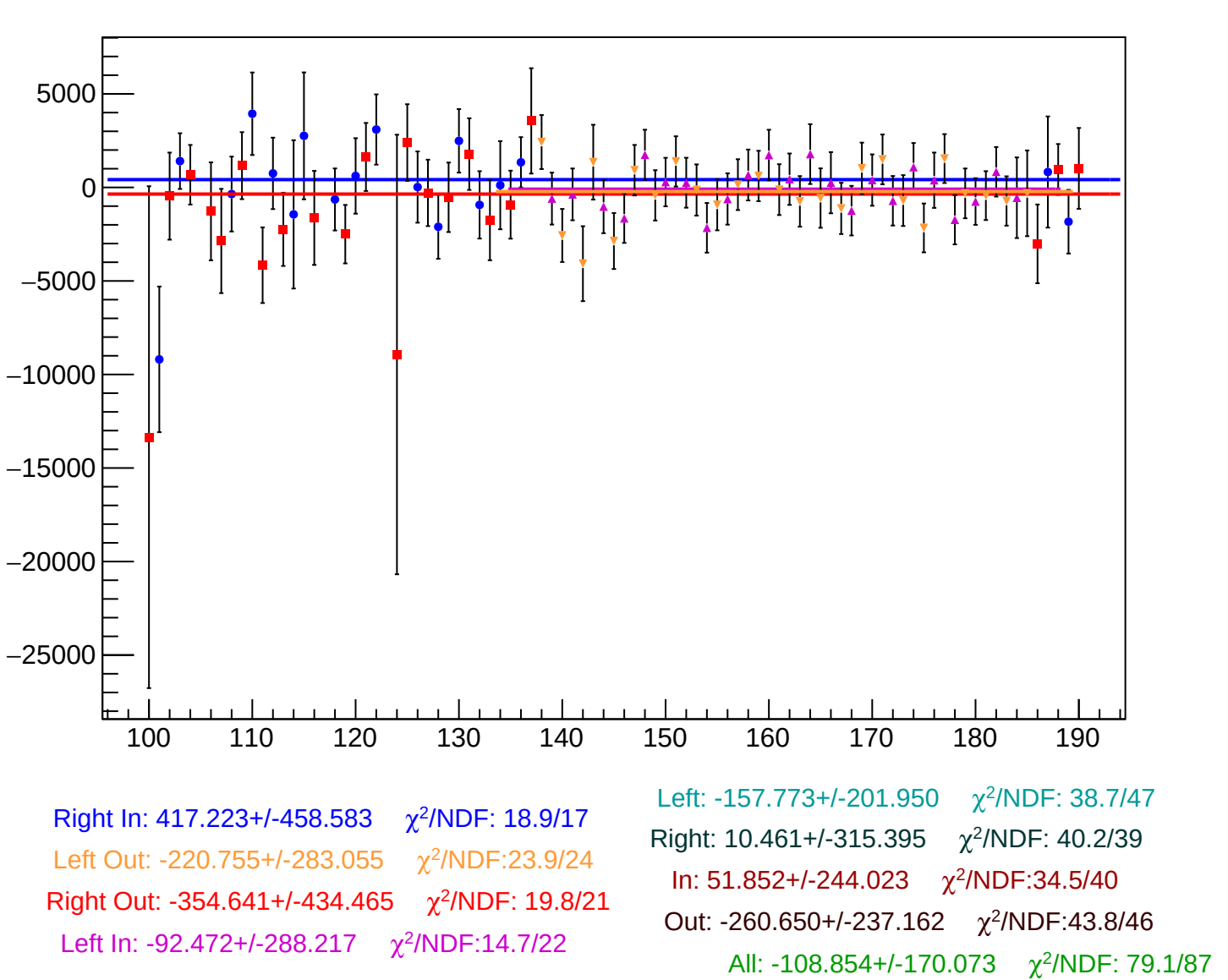
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

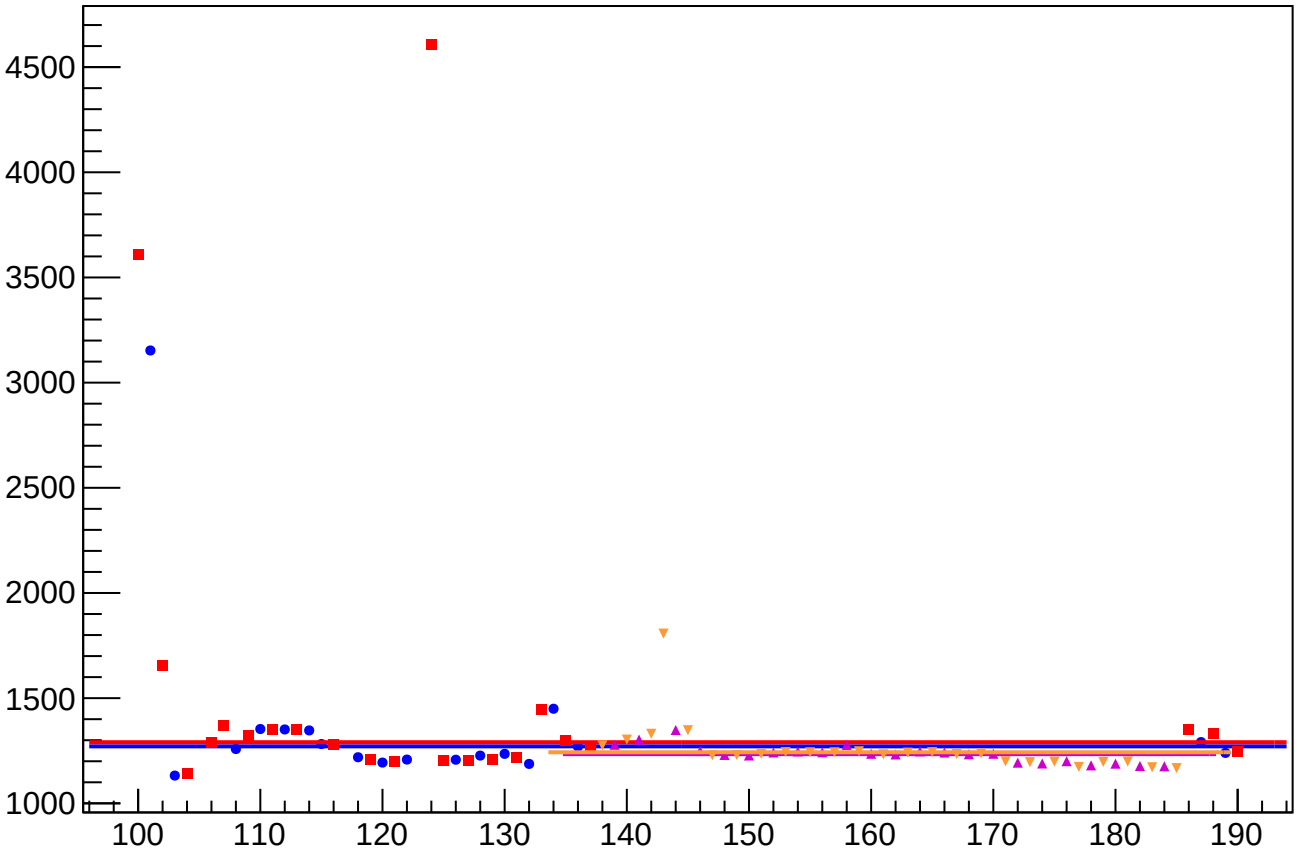
Right: 1150.928+/-0.209 χ^2/NDF: 3514354.2/39

In: 633.349+/-0.092 χ^2/NDF:5076912.5/40

Out: 644.098+/-0.091 χ^2/NDF:6807001.3/46

All: 638.773+/-0.065 χ^2/NDF: 11890772.5/87


cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 417.223+/-458.583 χ²/NDF: 18.9/17
Left Out: -220.755+/-283.055 χ²/NDF:23.9/24
Right Out: -354.641+/-434.465 χ²/NDF: 19.8/21
Left In: -92.472+/-288.217 χ²/NDF:14.7/22
Left: -157.773+/-201.950 χ²/NDF: 38.7/47
Right: 10.461+/-315.395 χ²/NDF: 40.2/39
In: 51.852+/-244.023 χ²/NDF:34.5/40
Out: -260.650+/-237.162 χ²/NDF:43.8/46
All: -108.854+/-170.073 χ²/NDF: 79.1/87



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.542+/-0.307 χ^2/NDF: 333393.7/21

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

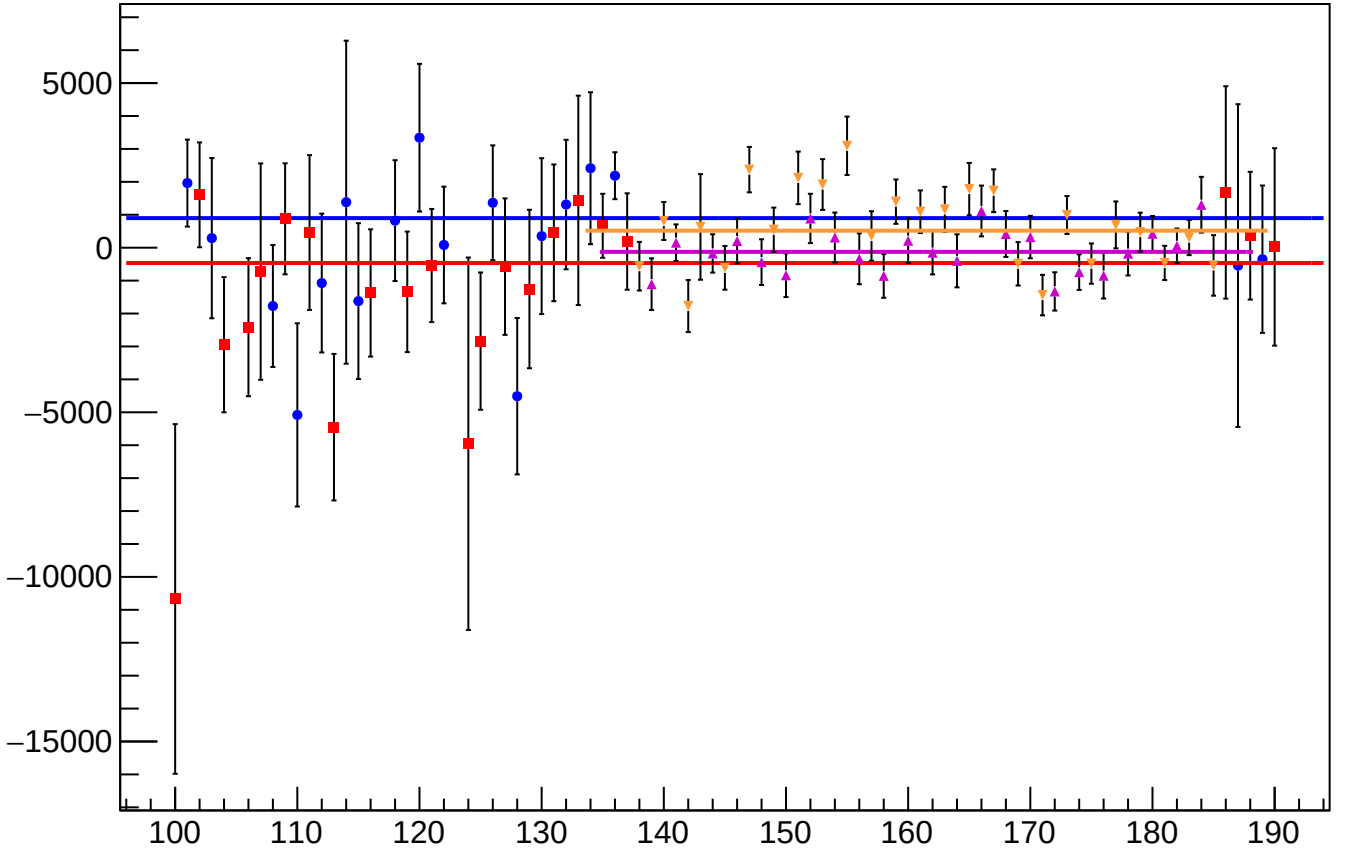
Right: 1281.224+/-0.223 χ^2/NDF: 855431.3/39

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.043+/-0.168 χ^2/NDF:553629.0/46

All: 1250.831+/-0.120 χ^2/NDF: 1125207.3/87

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -464.643+/-421.810 χ^2/NDF: 19.1/21

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

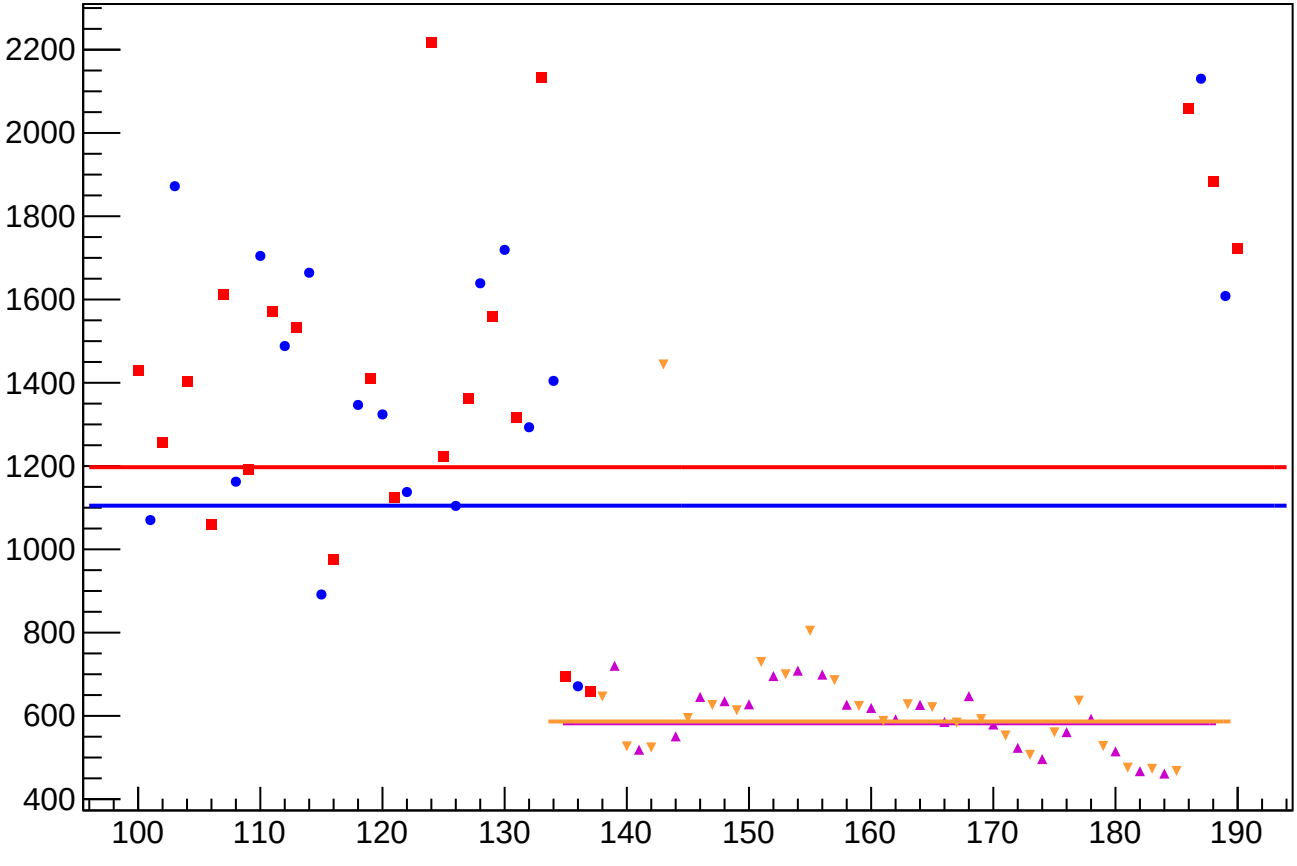
Right: 225.140+/-296.425 χ^2/NDF: 44.6/39

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 424.703+/-129.220 χ^2/NDF:91.0/46

All: 201.244+/-91.777 χ^2/NDF: 144.3/87

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1197.272+/-0.298 χ^2/NDF: 1783810.7/21

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

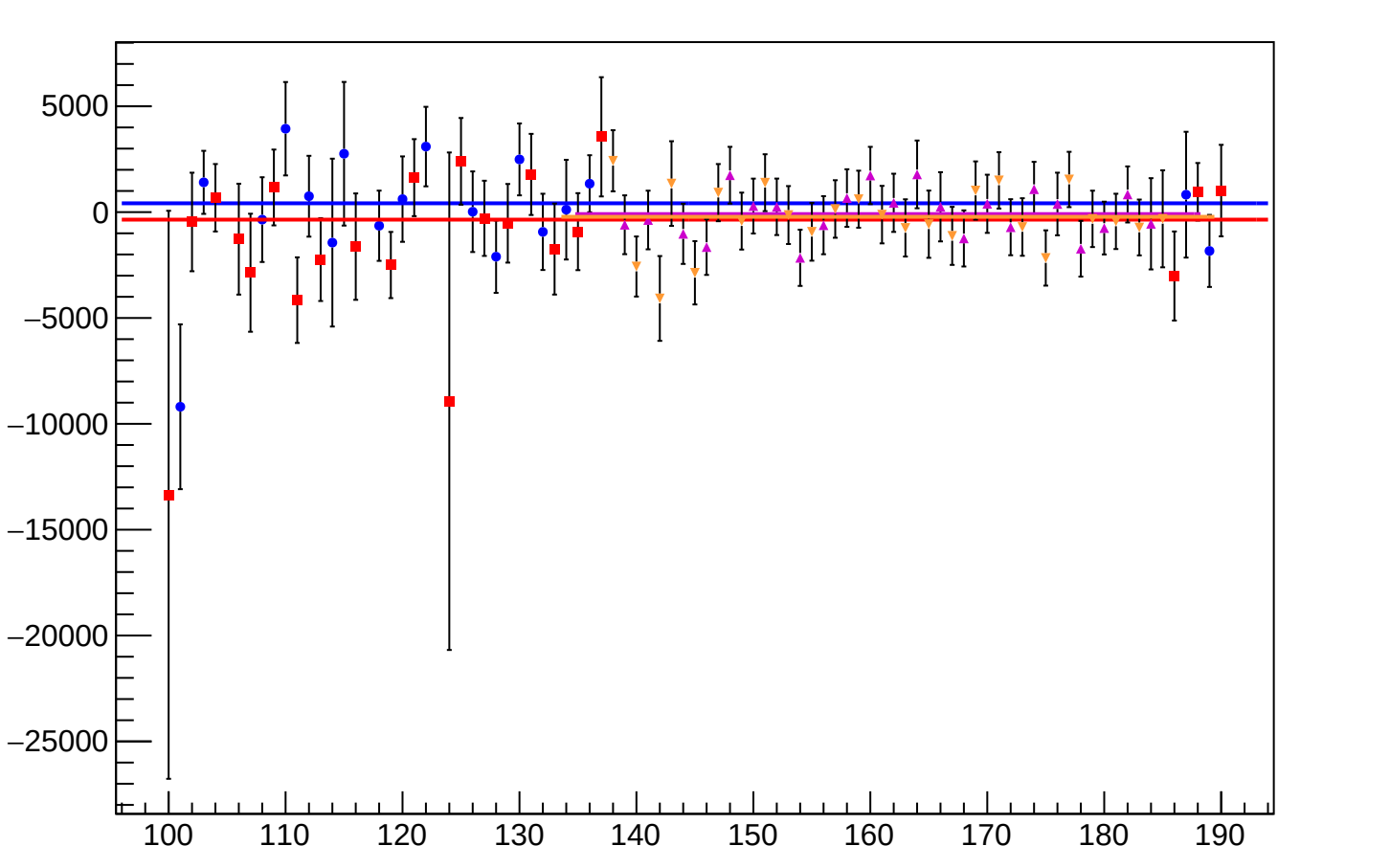
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1150.504+/-0.210 χ^2/NDF: 3507231.7/39

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 643.876+/-0.091 χ^2/NDF:6785610.3/46

All: 638.667+/-0.065 χ^2/NDF: 11865558.0/87



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -354.641+/-434.465 χ^2/NDF: 19.8/21

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

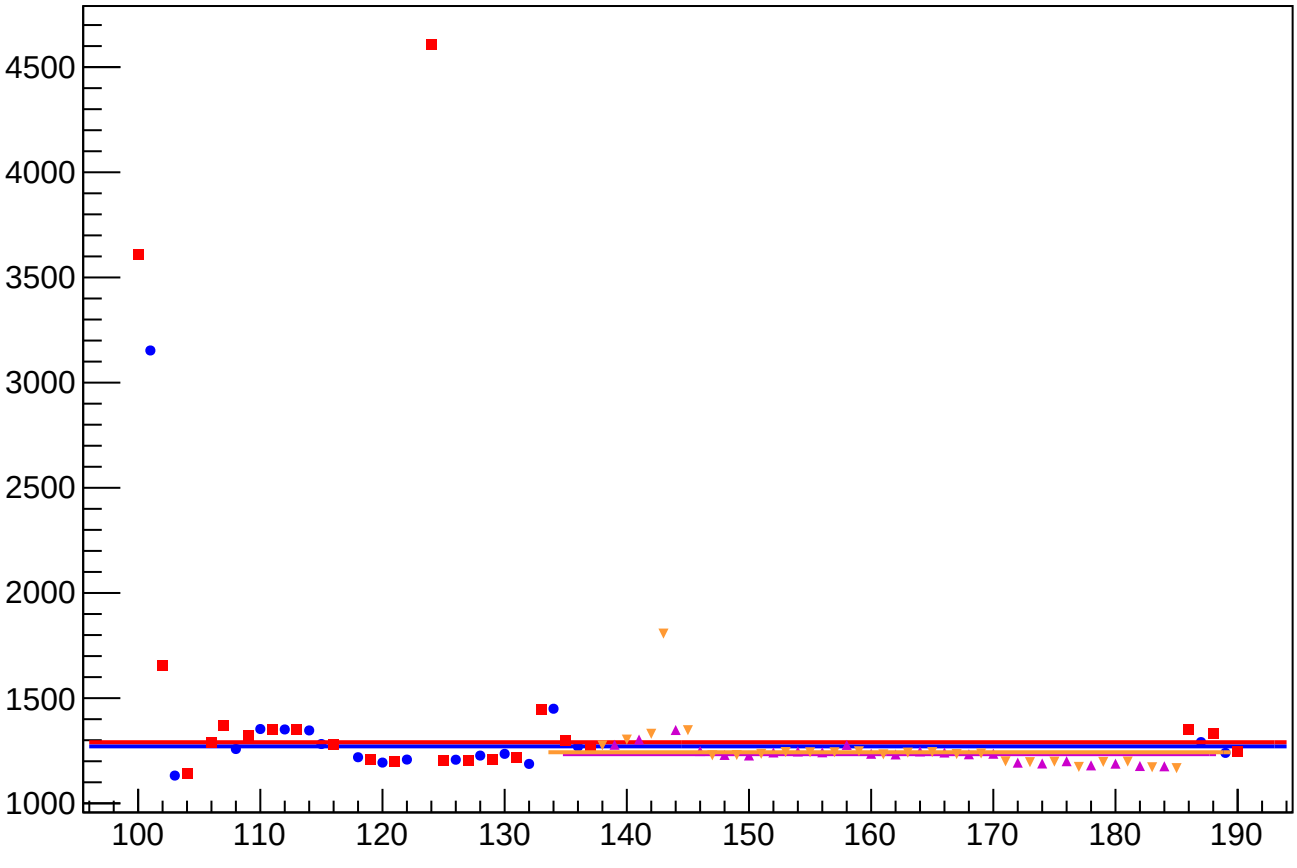
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 10.461+/-315.395 χ^2/NDF: 40.2/39

In: 51.852+/-244.023 χ^2/NDF:34.5/40

Out: -260.650+/-237.162 χ^2/NDF:43.8/46

All: -108.854+/-170.073 χ^2/NDF: 79.1/87



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.542+/-0.307 χ^2/NDF: 333393.7/21

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

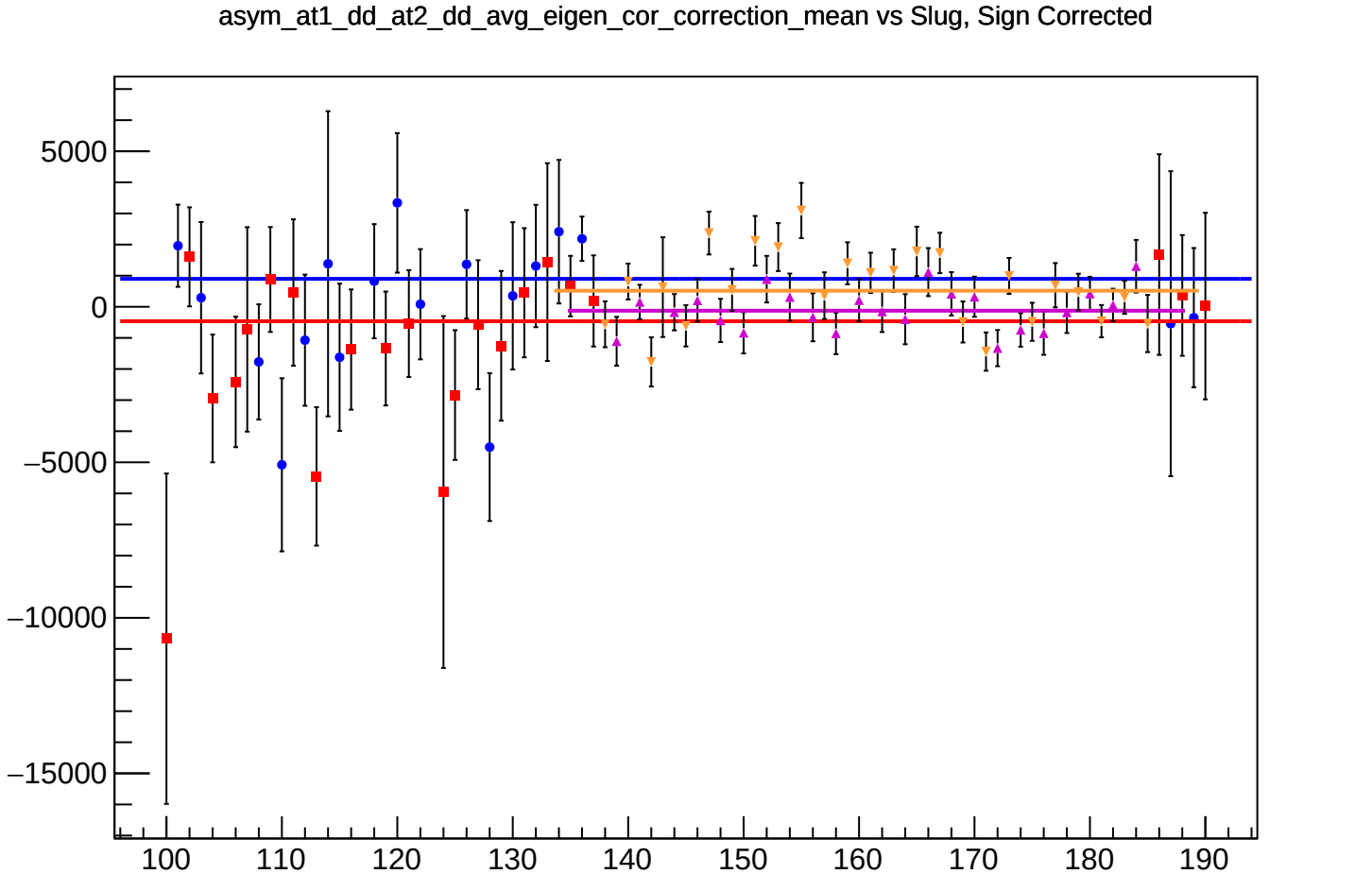
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1281.224+/-0.223 χ^2/NDF: 855431.3/39

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.043+/-0.168 χ^2/NDF:553629.0/46

All: 1250.831+/-0.120 χ^2/NDF: 1125207.3/87



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -464.643+/-421.810 χ^2/NDF: 19.1/21

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

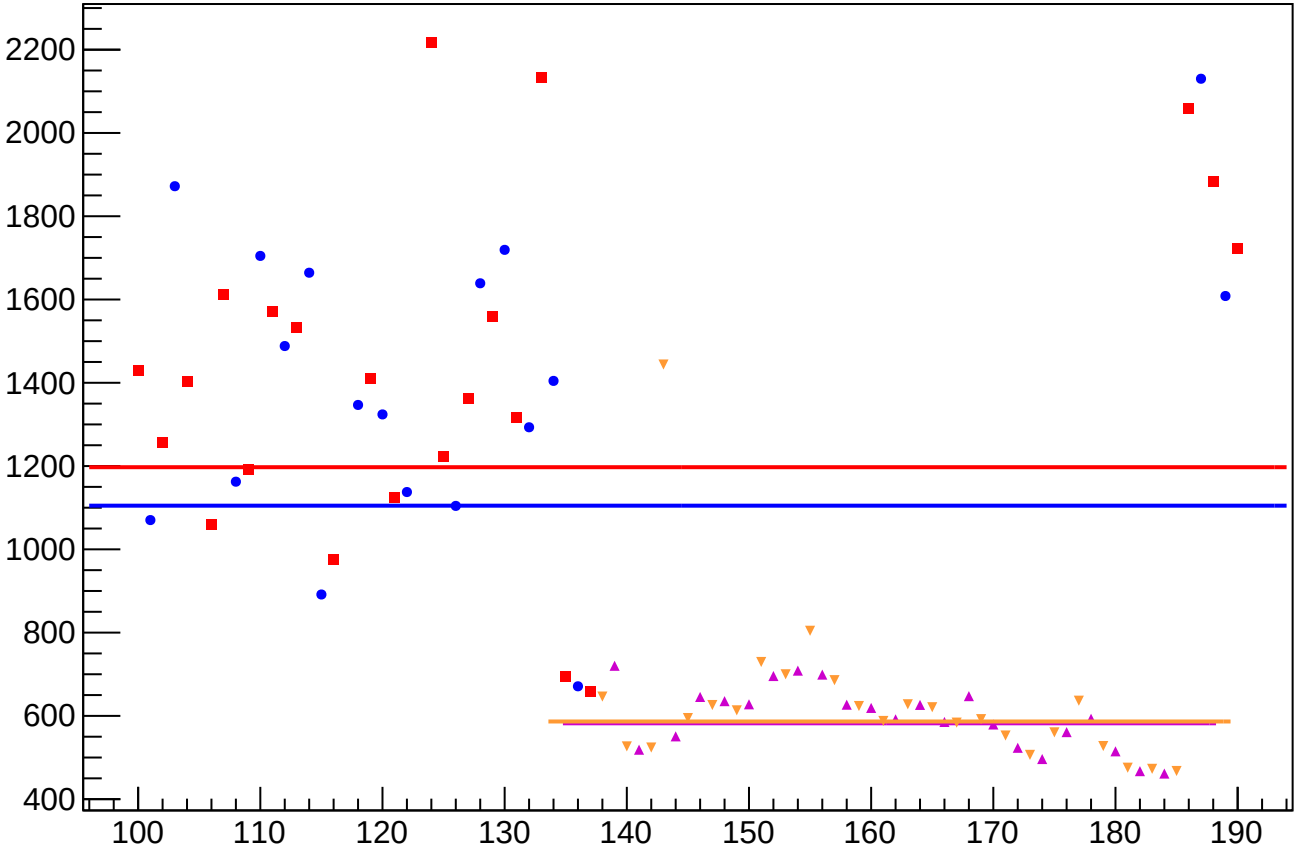
Right: 225.140+/-296.425 χ^2/NDF: 44.6/39

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 424.703+/-129.220 χ^2/NDF:91.0/46

All: 201.244+/-91.777 χ^2/NDF: 144.3/87

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1197.272+/-0.298 χ^2/NDF: 1783810.7/21

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

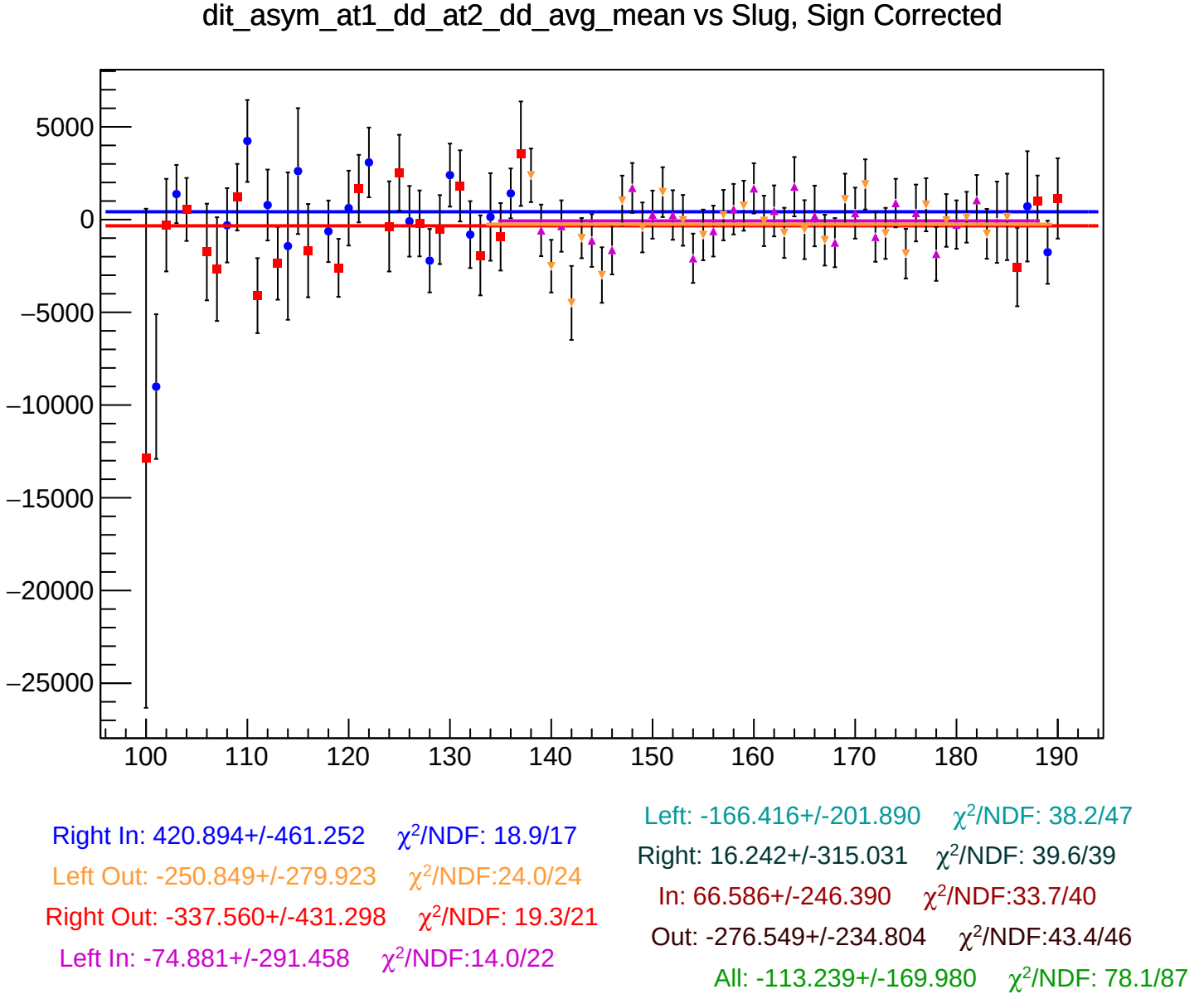
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

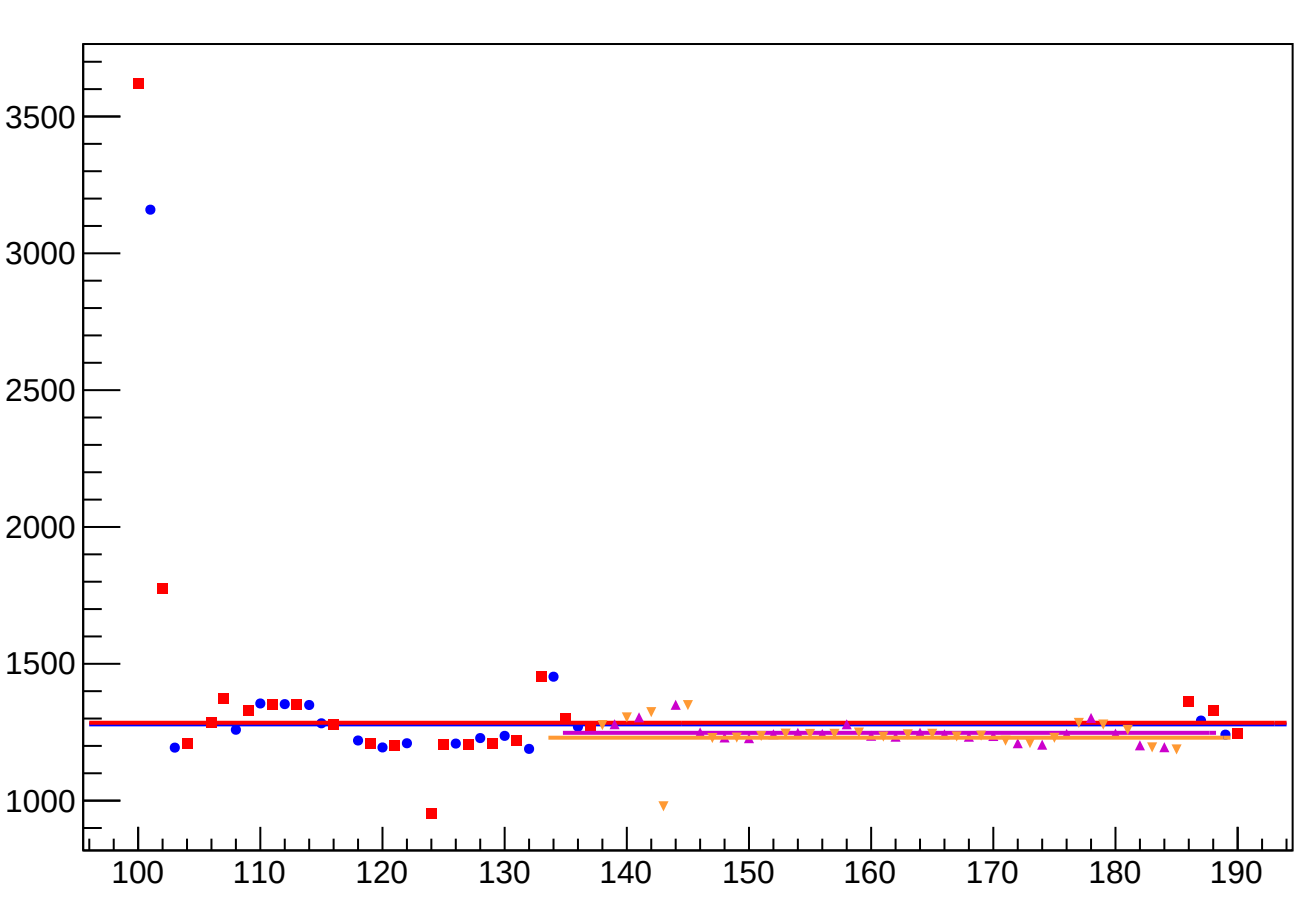
Right: 1150.504+/-0.210 χ^2/NDF: 3507231.7/39

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 643.876+/-0.091 χ^2/NDF:6785610.3/46

All: 638.667+/-0.065 χ^2/NDF: 11865558.0/87


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 420.894+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -337.560+/-431.298 χ²/NDF: 19.3/21
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: 16.242+/-315.031 χ²/NDF: 39.6/39
In: 66.586+/-246.390 χ²/NDF:33.7/40
Out: -276.549+/-234.804 χ²/NDF:43.4/46
All: -113.239+/-169.980 χ²/NDF: 78.1/87



Right In: 1278.697+/-0.326 χ^2/NDF: 508149.9/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1284.594+/-0.305 χ^2/NDF: 226623.5/21

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

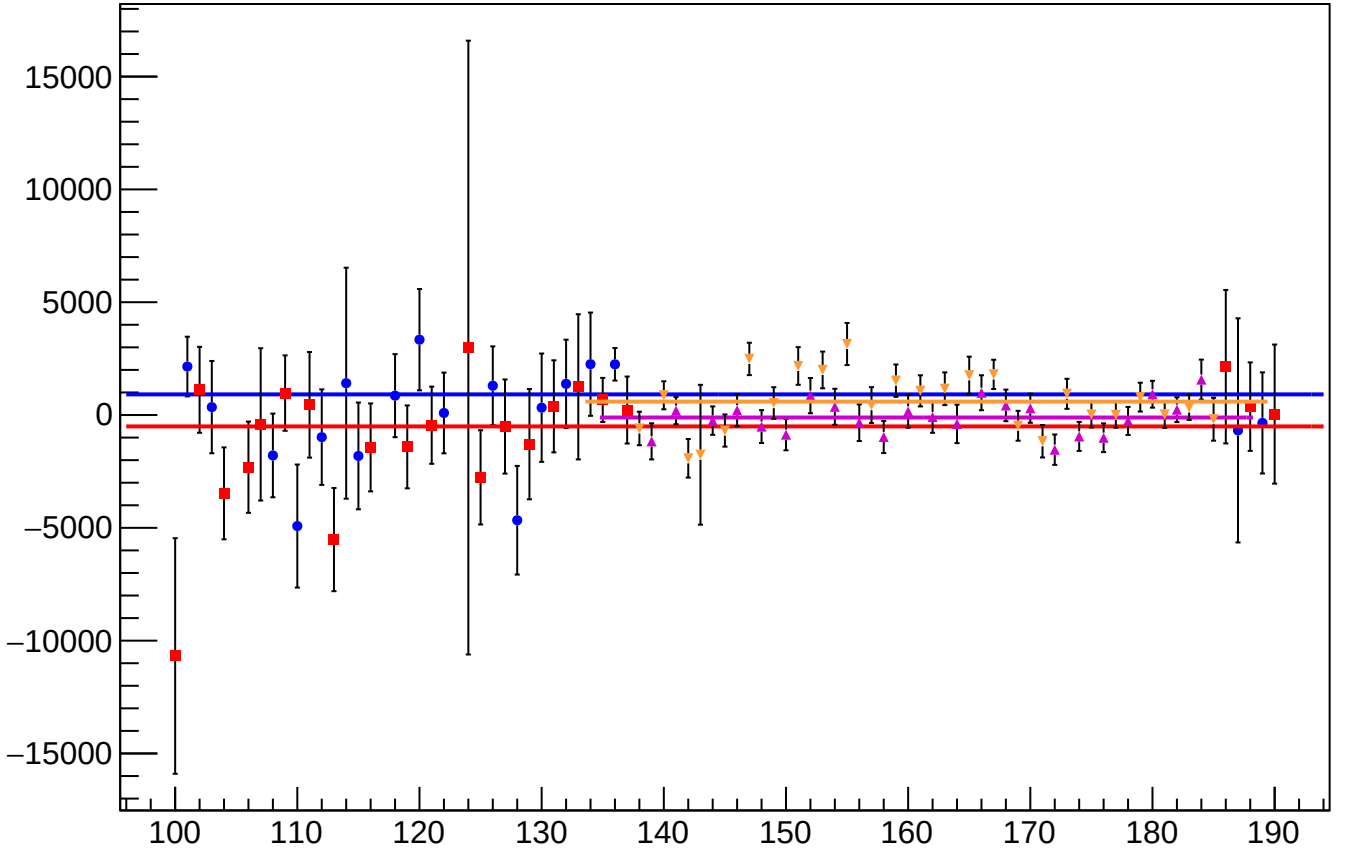
Right: 1281.843+/-0.223 χ^2/NDF: 734947.8/39

In: 1256.606+/-0.174 χ^2/NDF:541910.2/40

Out: 1246.171+/-0.166 χ^2/NDF:390789.7/46

All: 1251.137+/-0.120 χ^2/NDF: 934579.8/87

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 915.040+/-416.297 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -505.241+/-428.736 χ^2/NDF: 18.0/21

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

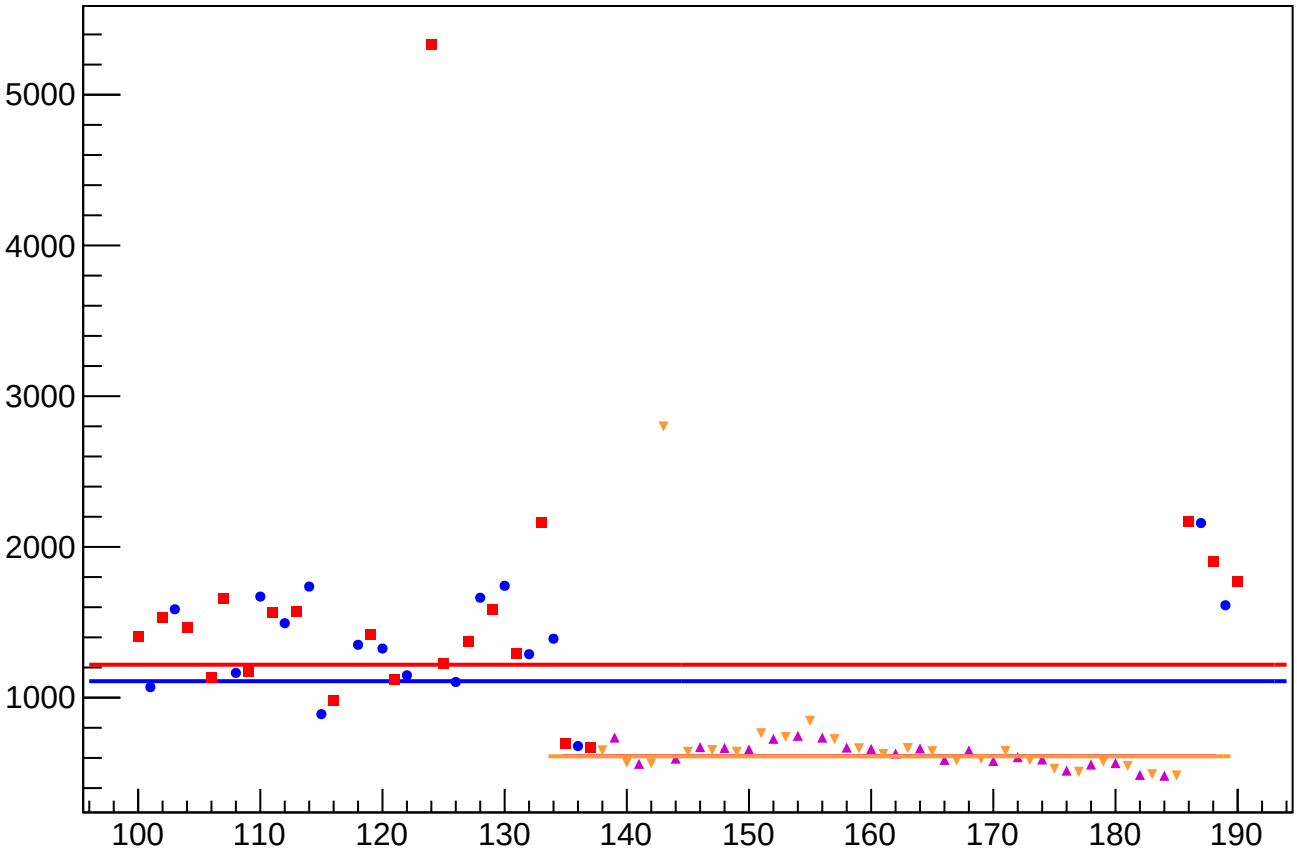
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 225.802+/-298.667 χ^2/NDF: 44.6/39

In: -0.368+/-136.284 χ^2/NDF:52.0/40

Out: 486.057+/-134.910 χ^2/NDF:81.3/46

All: 245.309+/-95.878 χ^2/NDF: 139.7/87



Right In: 1109.155+/-0.294 χ^2/NDF: 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1218.459+/-0.303 χ^2/NDF: 1991993.9/21

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

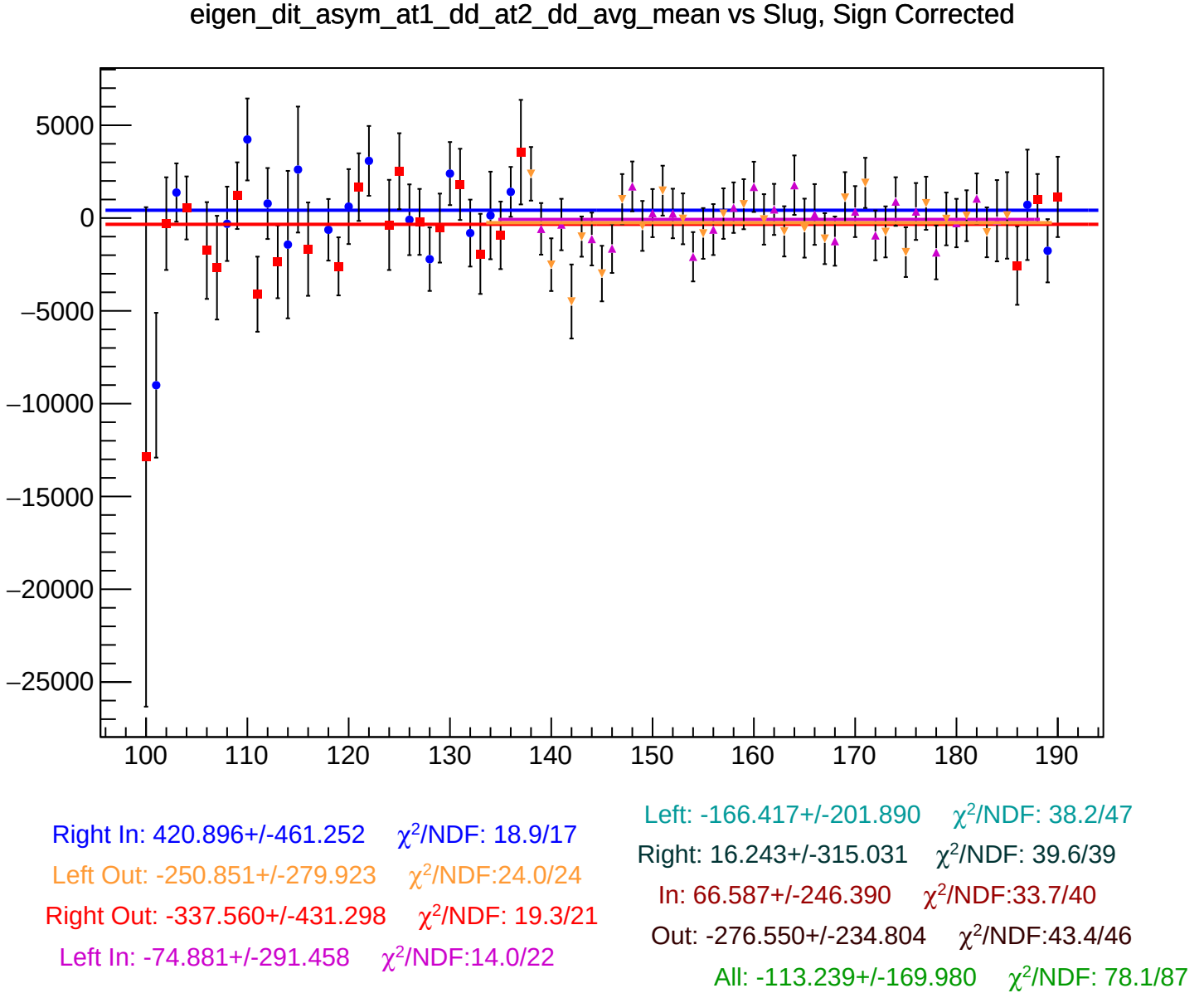
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1162.198+/-0.211 χ^2/NDF: 3616690.0/39

In: 665.638+/-0.096 χ^2/NDF:4608969.5/40

Out: 671.227+/-0.095 χ^2/NDF:7227718.1/46

All: 668.461+/-0.068 χ^2/NDF: 11838386.6/87


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
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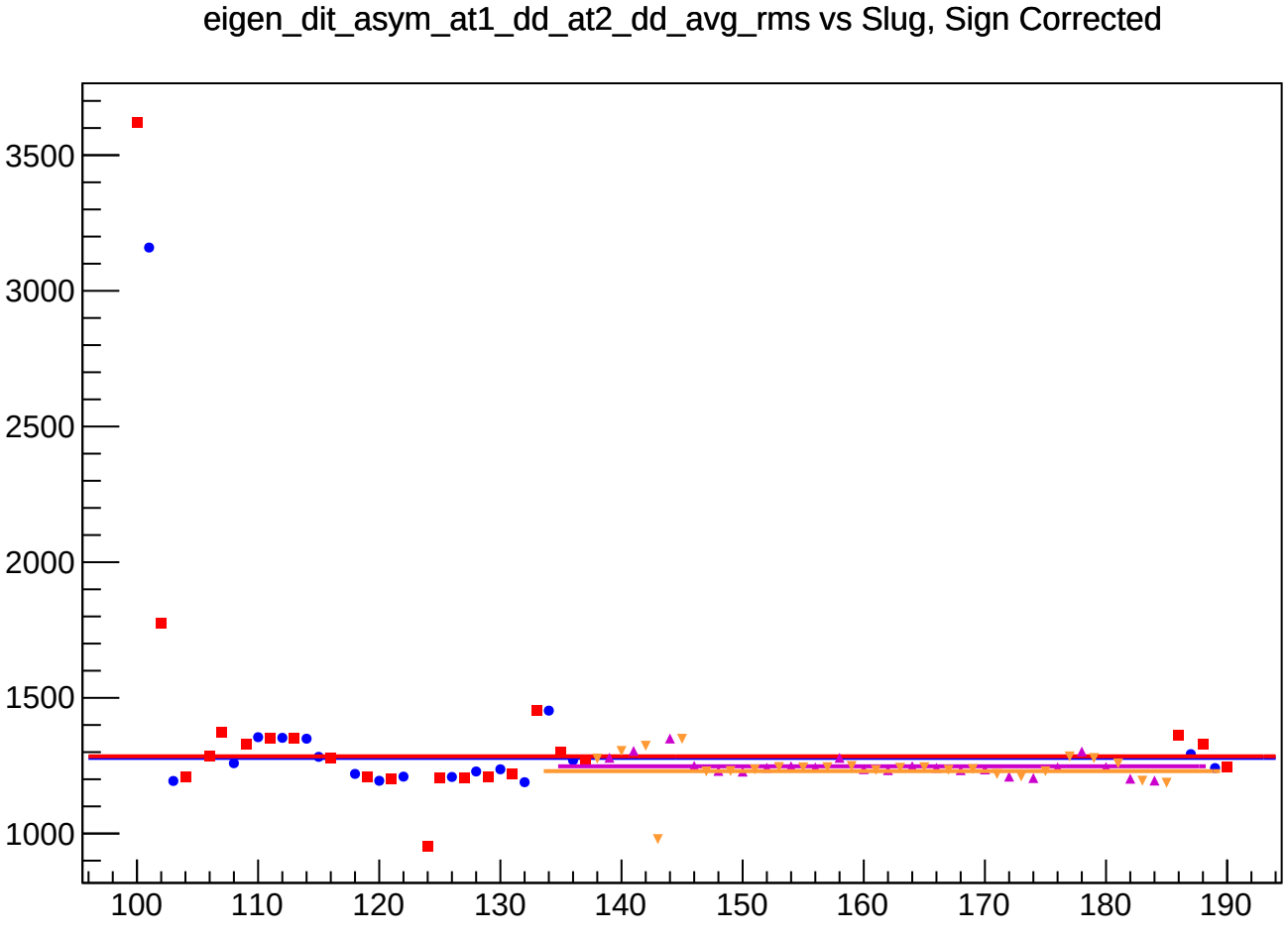
150
160
170
180
190
Right In: 420.896+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -337.560+/-431.298 χ²/NDF: 19.3/21
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: 16.243+/-315.031 χ²/NDF: 39.6/39
In: 66.587+/-246.390 χ²/NDF:33.7/40
Out: -276.550+/-234.804 χ²/NDF:43.4/46
All: -113.239+/-169.980 χ²/NDF: 78.1/87



Right In: 1278.697+/-0.326 χ^2/NDF: 508150.0/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1284.593+/-0.305 χ^2/NDF: 226623.4/21

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

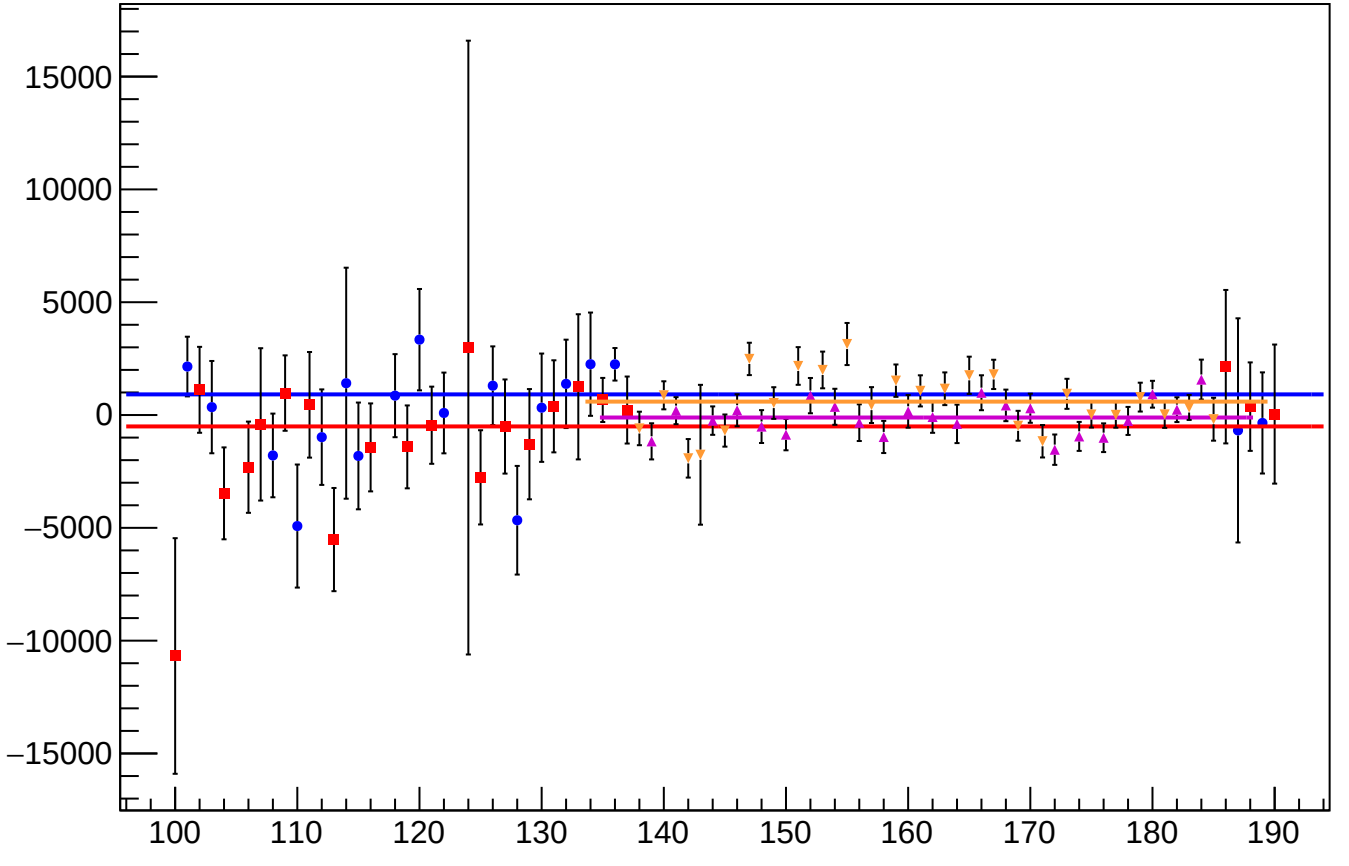
Right: 1281.843+/-0.223 χ^2/NDF: 734947.8/39

In: 1256.606+/-0.174 χ^2/NDF:541910.3/40

Out: 1246.171+/-0.166 χ^2/NDF:390788.7/46

All: 1251.137+/-0.120 χ^2/NDF: 934578.9/87

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -505.249+/-428.738 χ^2/NDF: 18.0/21

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

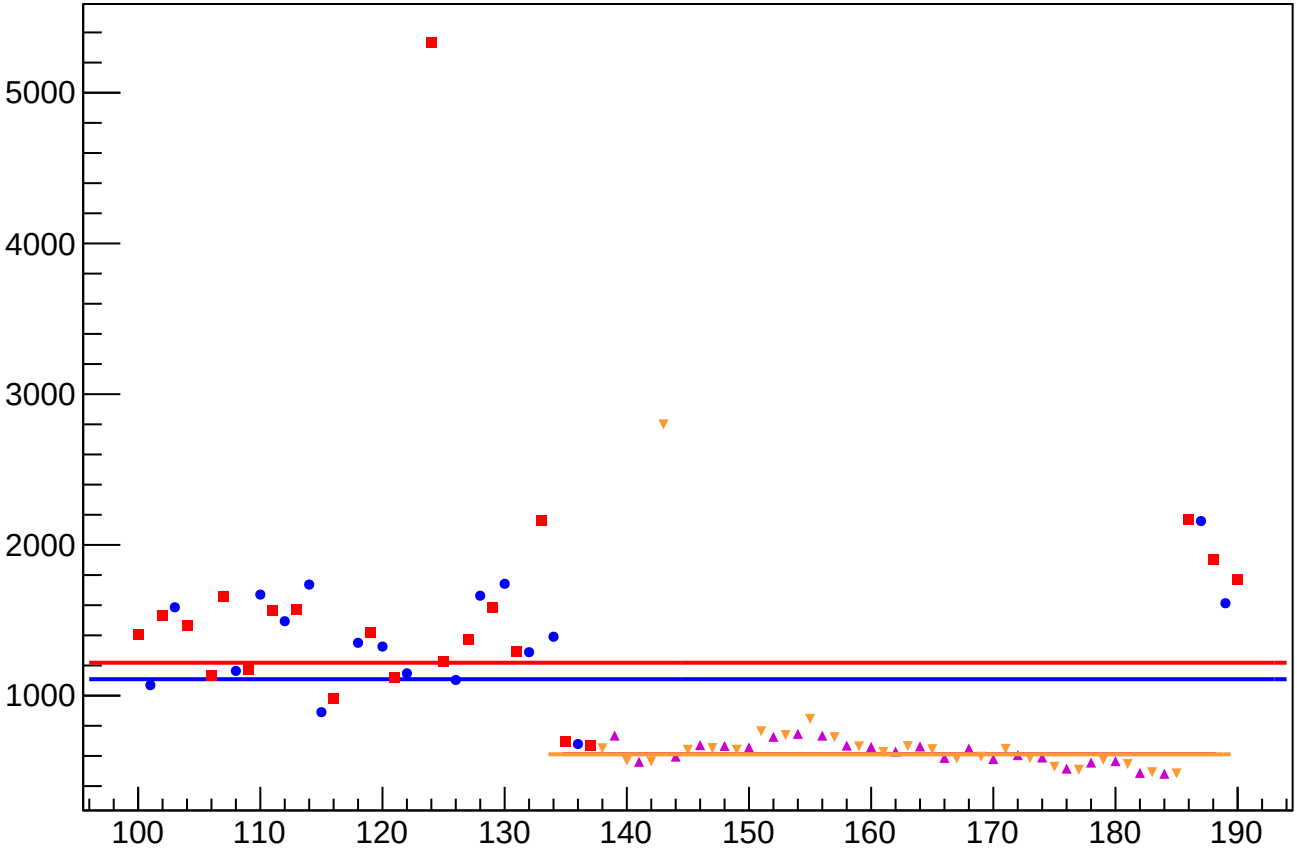
Right: 225.795+/-298.668 χ^2/NDF: 44.6/39

In: -0.369+/-136.284 χ^2/NDF:52.0/40

Out: 486.057+/-134.910 χ^2/NDF:81.3/46

All: 245.308+/-95.878 χ^2/NDF: 139.7/87

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.161+/-0.294 χ^2/NDF: 1557725.6/17

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1218.466+/-0.303 χ^2/NDF: 1991934.7/21

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

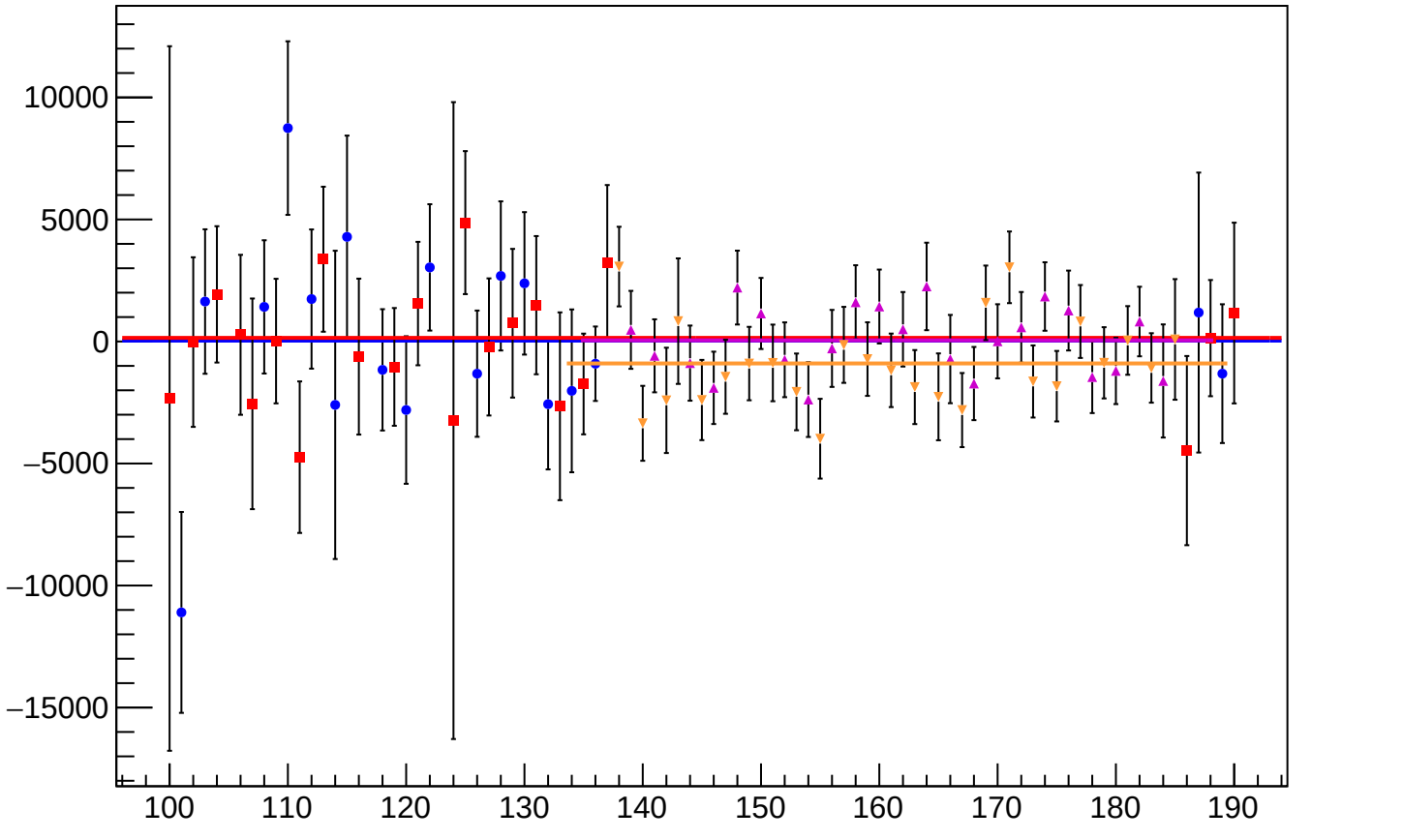
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1162.205+/-0.211 χ^2/NDF: 3616571.5/39

In: 665.637+/-0.096 χ^2/NDF:4608968.0/40

Out: 671.227+/-0.095 χ^2/NDF:7227719.3/46

All: 668.460+/-0.068 χ^2/NDF: 11838386.5/87



Right In: 35.709+/-674.071 χ^2/NDF: 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 147.669+/-651.172 χ^2/NDF: 11.9/21

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

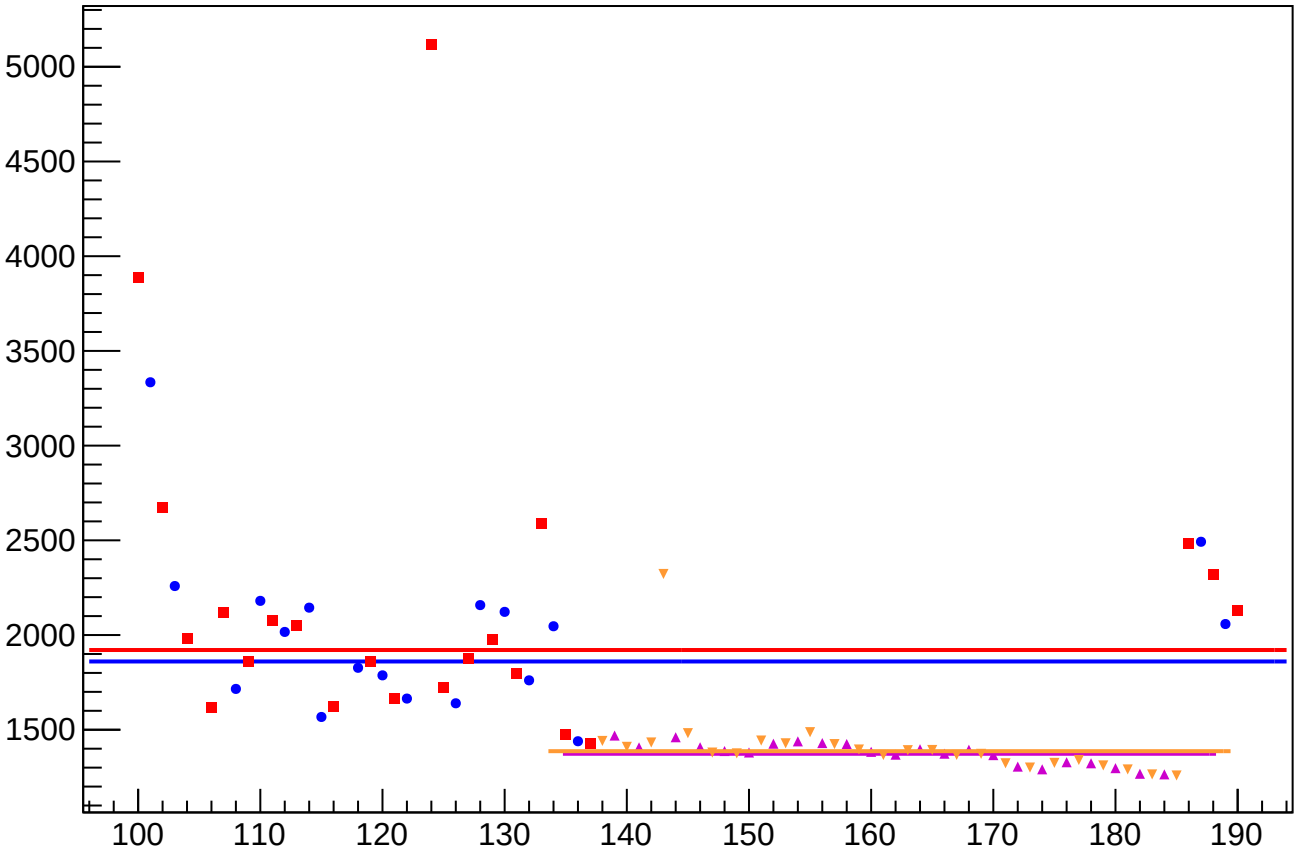
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 93.623+/-468.334 χ^2/NDF: 33.4/39

In: 45.874+/-289.764 χ^2/NDF:39.4/40

Out: -699.761+/-284.620 χ^2/NDF:43.8/46

All: -333.620+/-203.051 χ^2/NDF: 86.6/87



Right In: 1860.446+/-0.477 χ^2/NDF: 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1920.960+/-0.460 χ^2/NDF: 641334.0/21

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

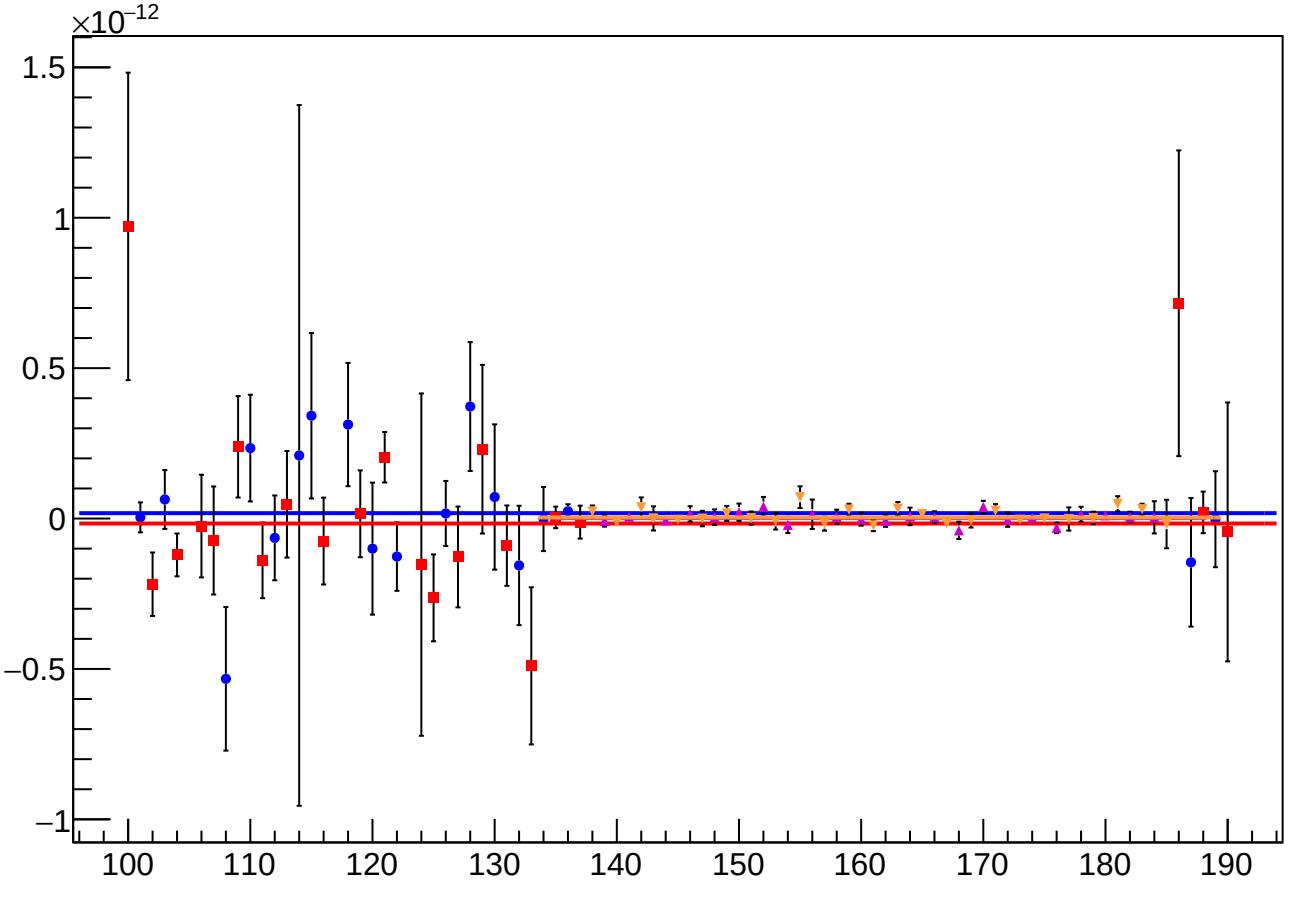
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1891.748+/-0.331 χ^2/NDF: 1242208.0/39

In: 1463.251+/-0.205 χ^2/NDF:1508840.3/40

Out: 1488.887+/-0.201 χ^2/NDF:2069654.0/46

All: 1476.299+/-0.144 χ^2/NDF: 3586461.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/21

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

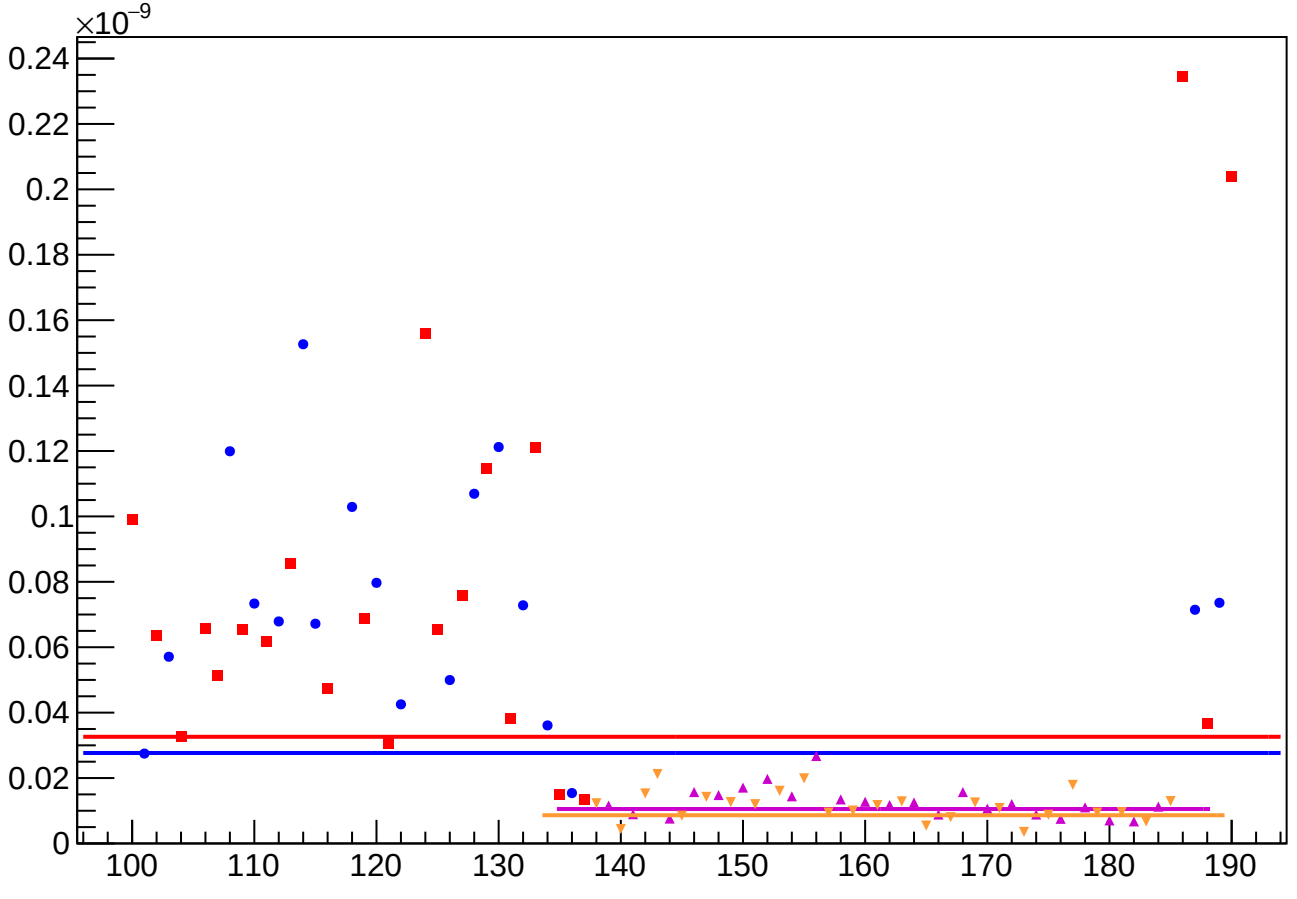
Right: 0.000+/-0.000 χ^2/NDF: 49.2/39

In: 0.000+/-0.000 χ^2/NDF:31.3/40

Out: 0.000+/-0.000 χ^2/NDF:56.3/46

All: 0.000+/-0.000 χ^2/NDF: 87.6/87

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2921849.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

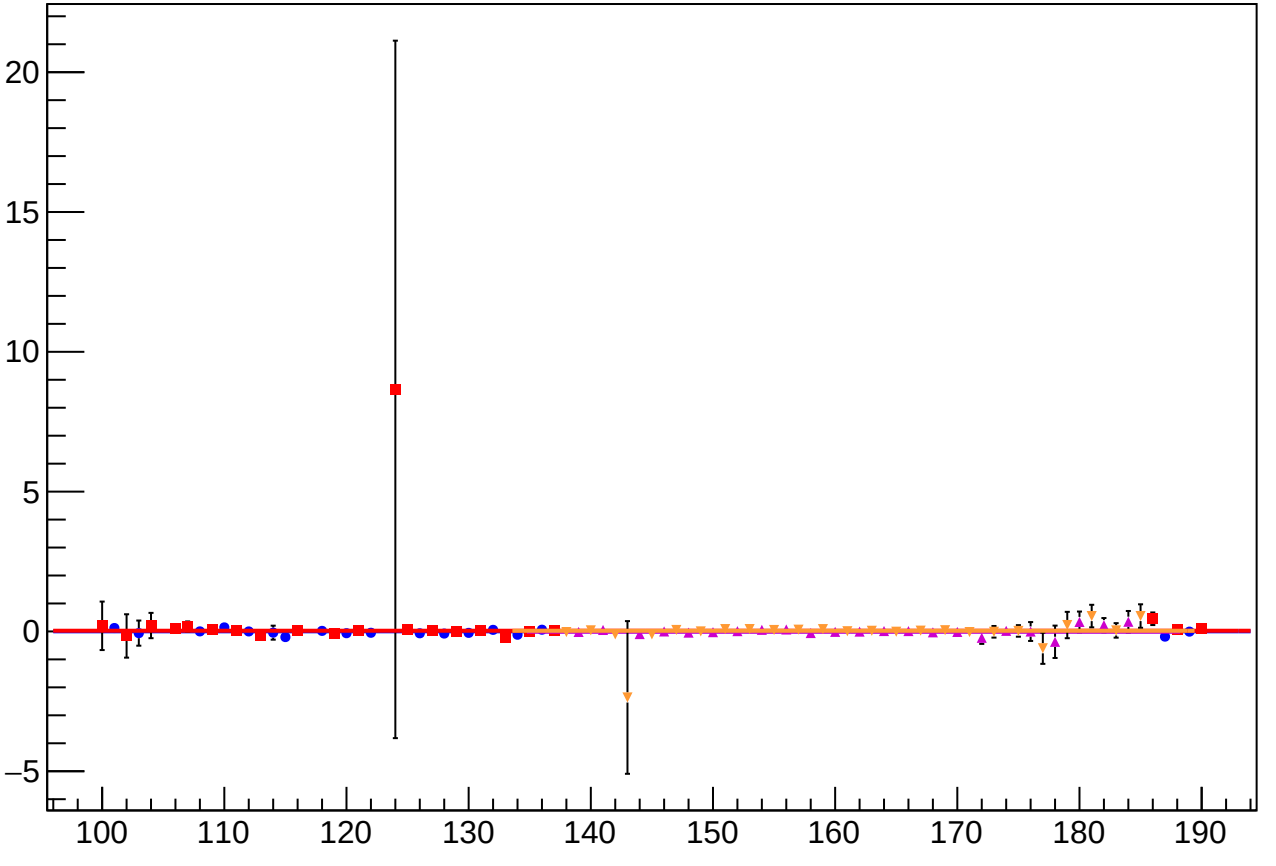
Right: 0.000+/-0.000 χ^2/NDF: 5819403.9/39

In: 0.000+/-0.000 χ^2/NDF:5672958.1/40

Out: 0.000+/-0.000 χ^2/NDF:7557048.6/46

All: 0.000+/-0.000 χ^2/NDF: 13493534.0/87

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

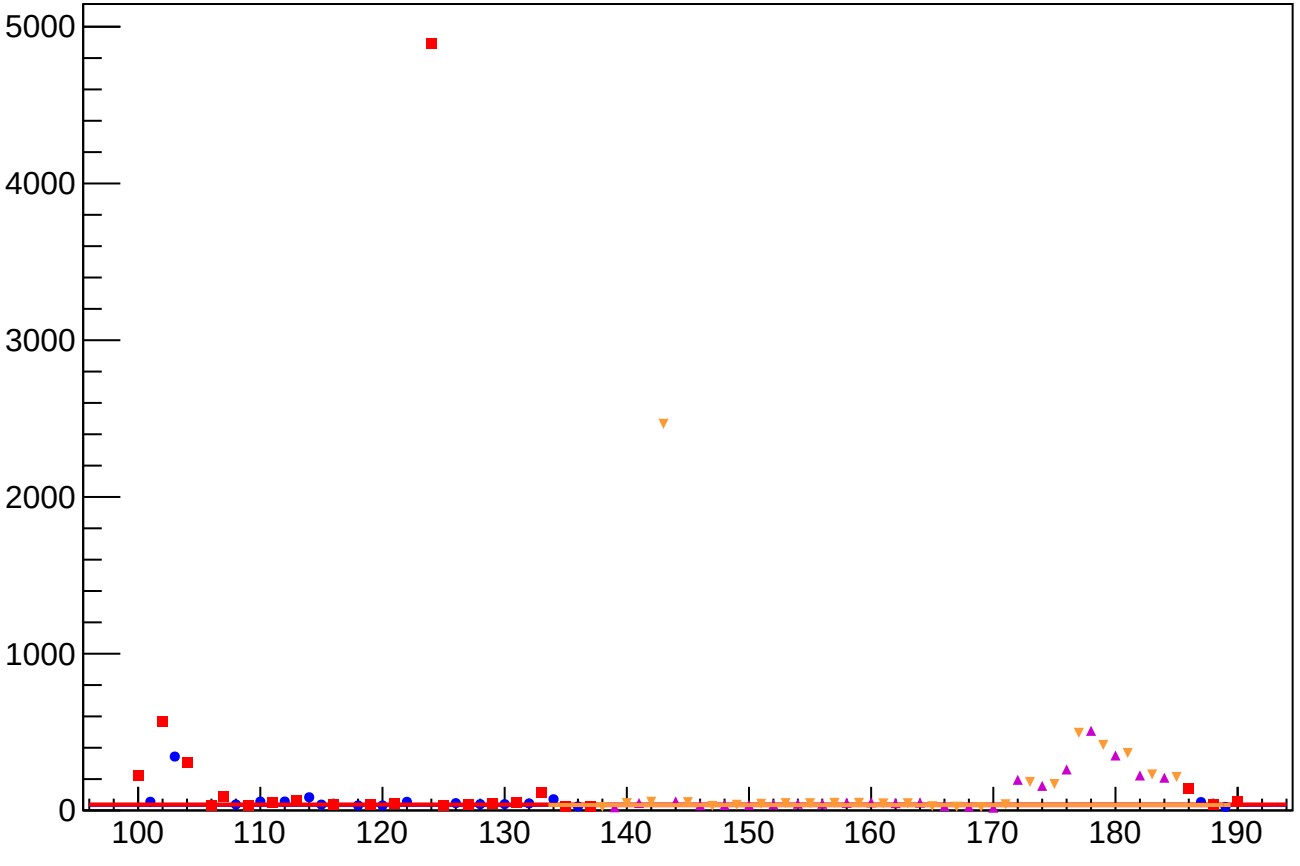
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.603+/-0.011 χ^2/NDF: 3709042.0/21

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

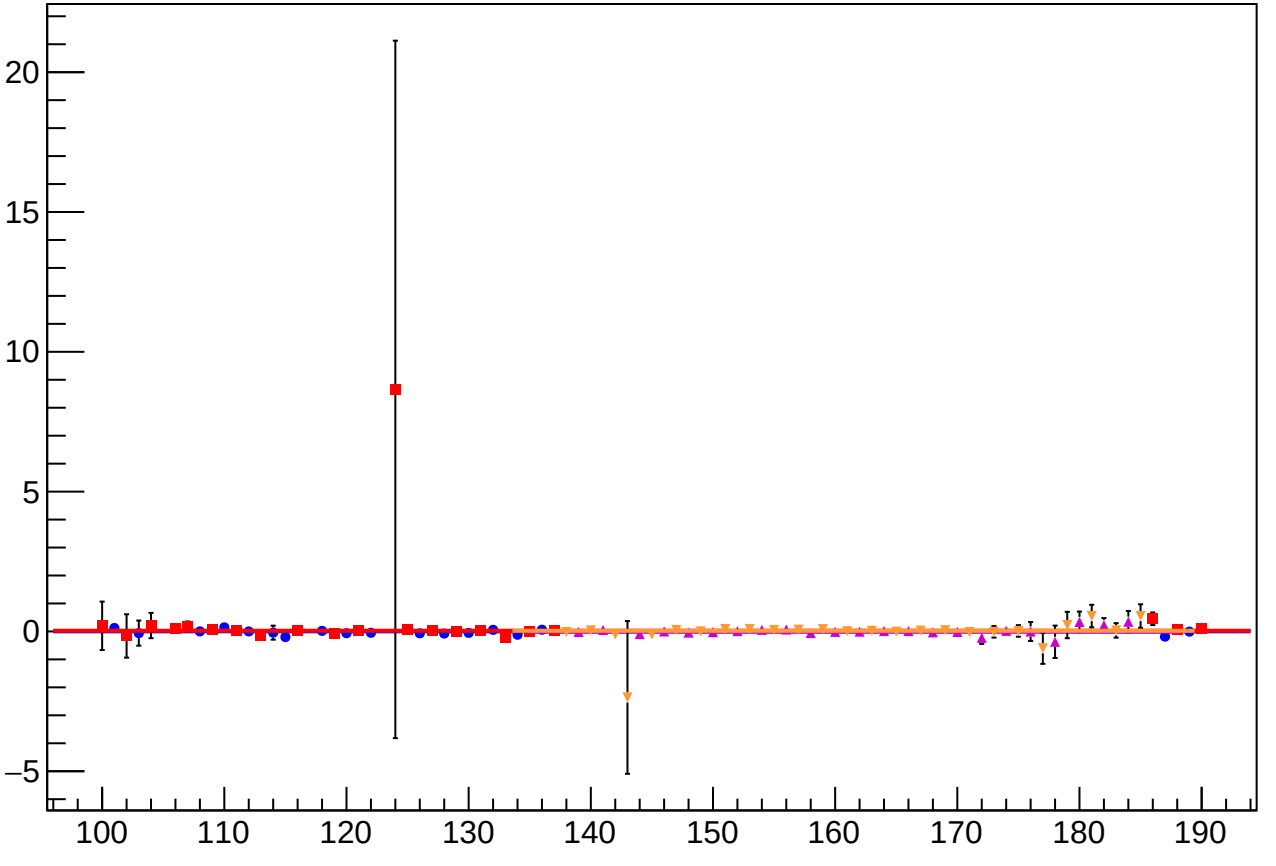
Right: 36.661+/-0.008 χ^2/NDF: 5977457.5/39

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164498.8/46

All: 34.889+/-0.004 χ^2/NDF: 27538347.7/87

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

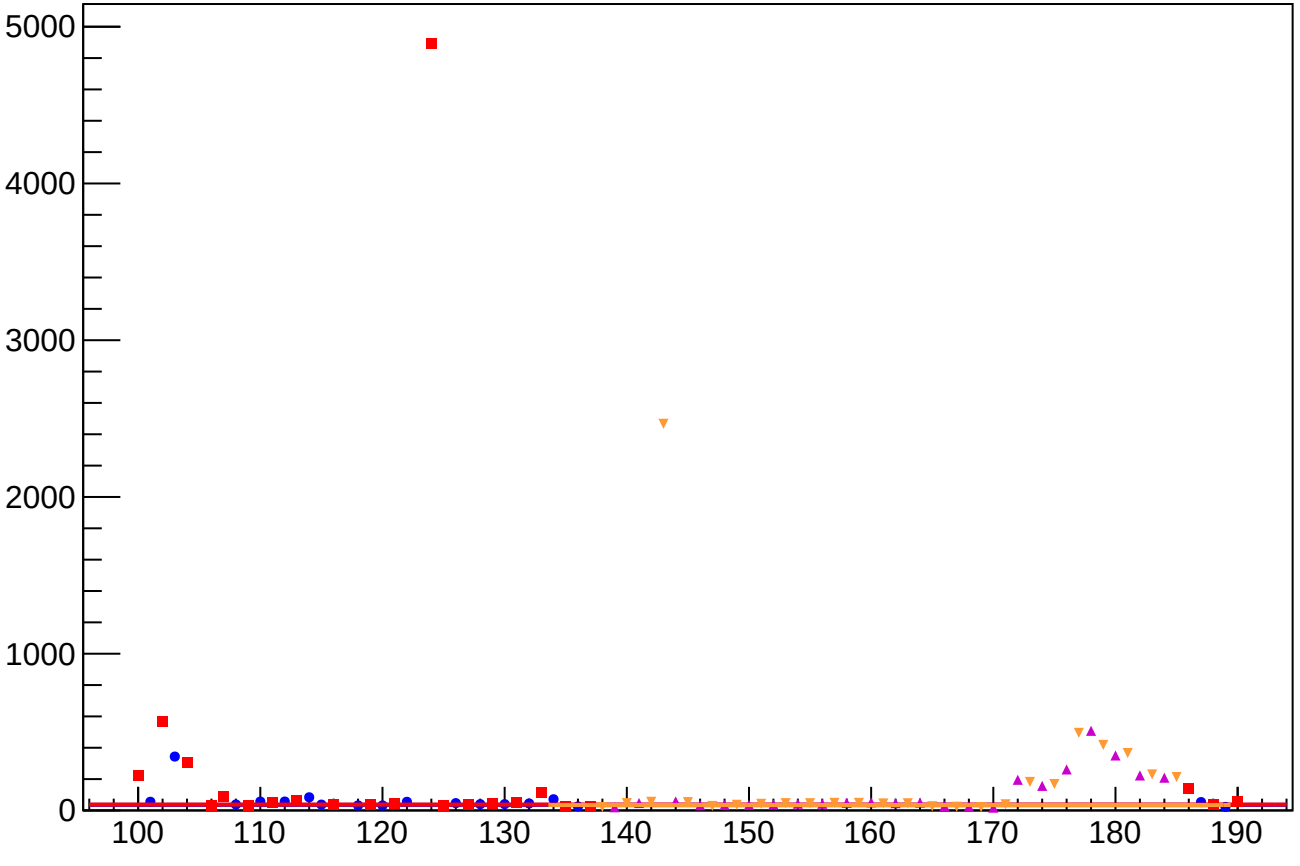
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.603+/-0.011 χ^2/NDF: 3709042.0/21

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

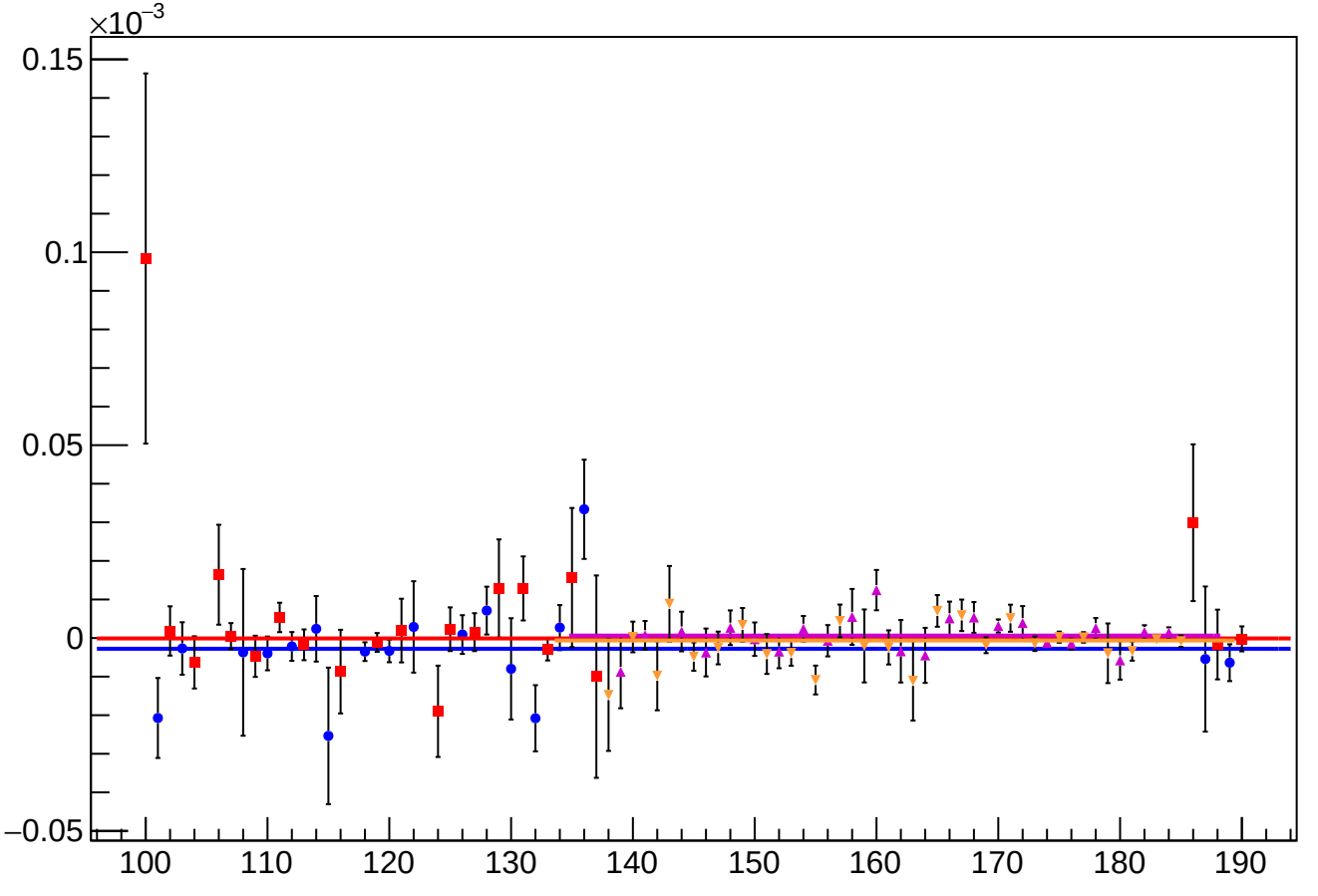
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.661+/-0.008 χ^2/NDF: 5977457.5/39

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164498.8/46

All: 34.889+/-0.004 χ^2/NDF: 27538347.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/21

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

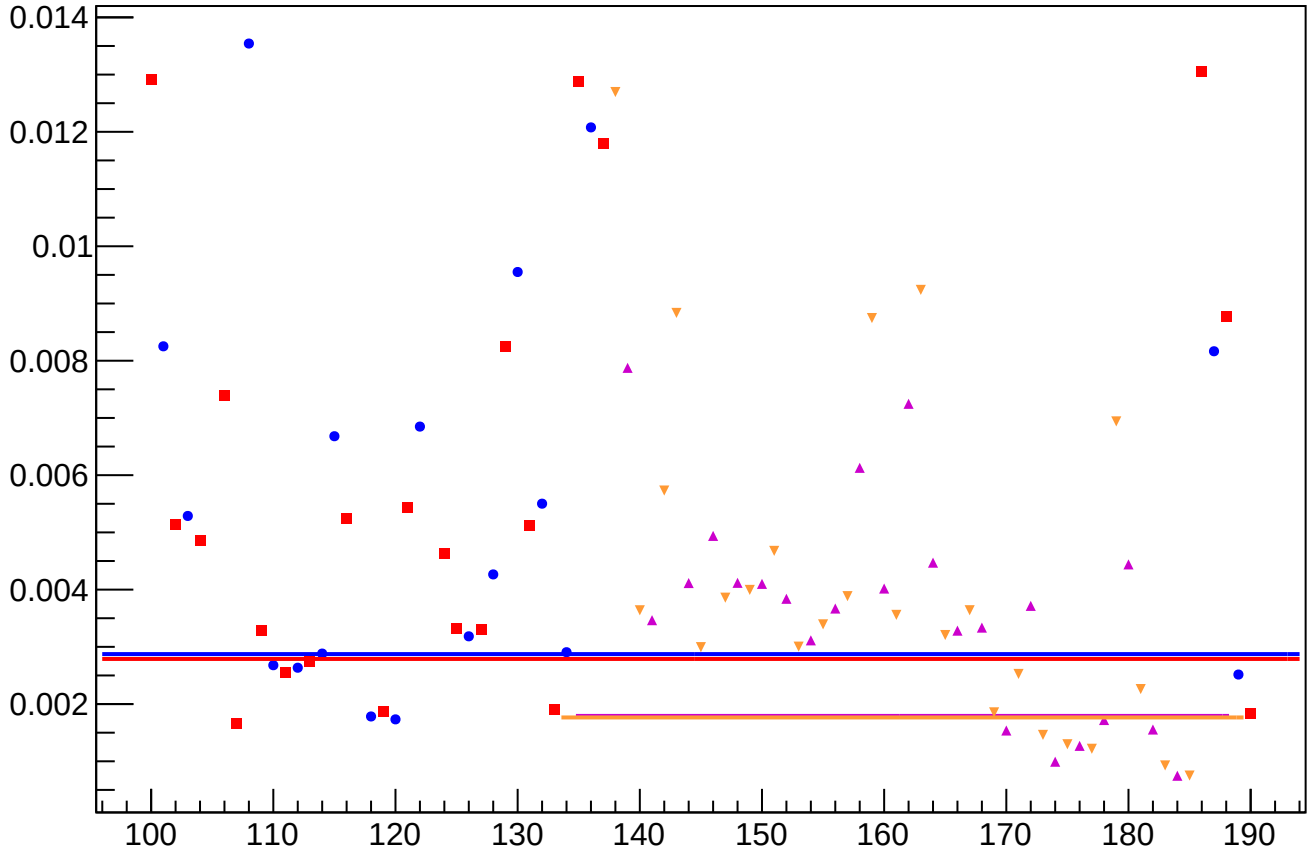
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.1/39

In: 0.000+/-0.000 χ^2/NDF:50.6/40

Out: -0.000+/-0.000 χ^2/NDF:49.7/46

All: -0.000+/-0.000 χ^2/NDF: 101.2/87



Right In: 0.003+/-0.000 χ^2/NDF: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4873655.6/21

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

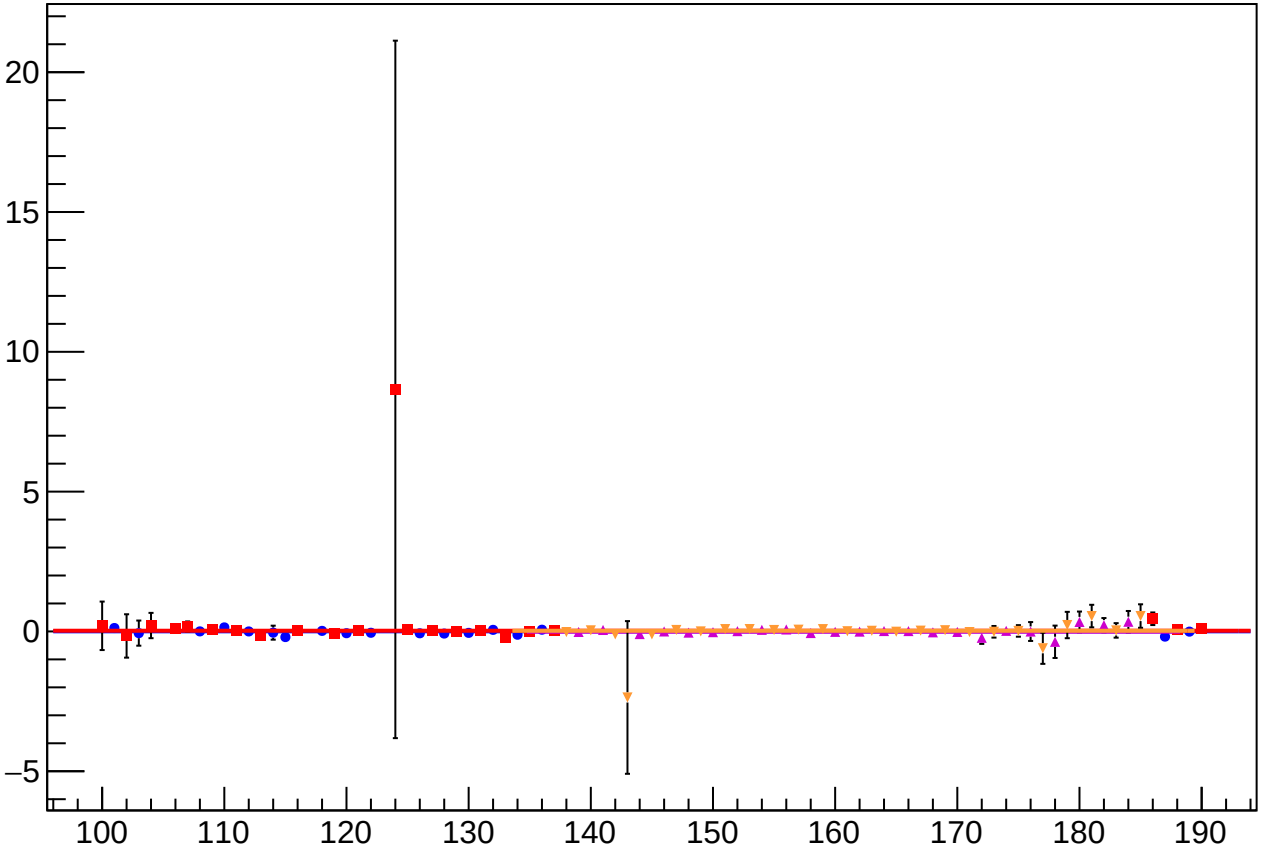
Right: 0.003+/-0.000 χ^2/NDF: 9200453.8/39

In: 0.002+/-0.000 χ^2/NDF:16333267.1/40

Out: 0.002+/-0.000 χ^2/NDF:19232762.6/46

All: 0.002+/-0.000 χ^2/NDF: 35566857.8/87

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

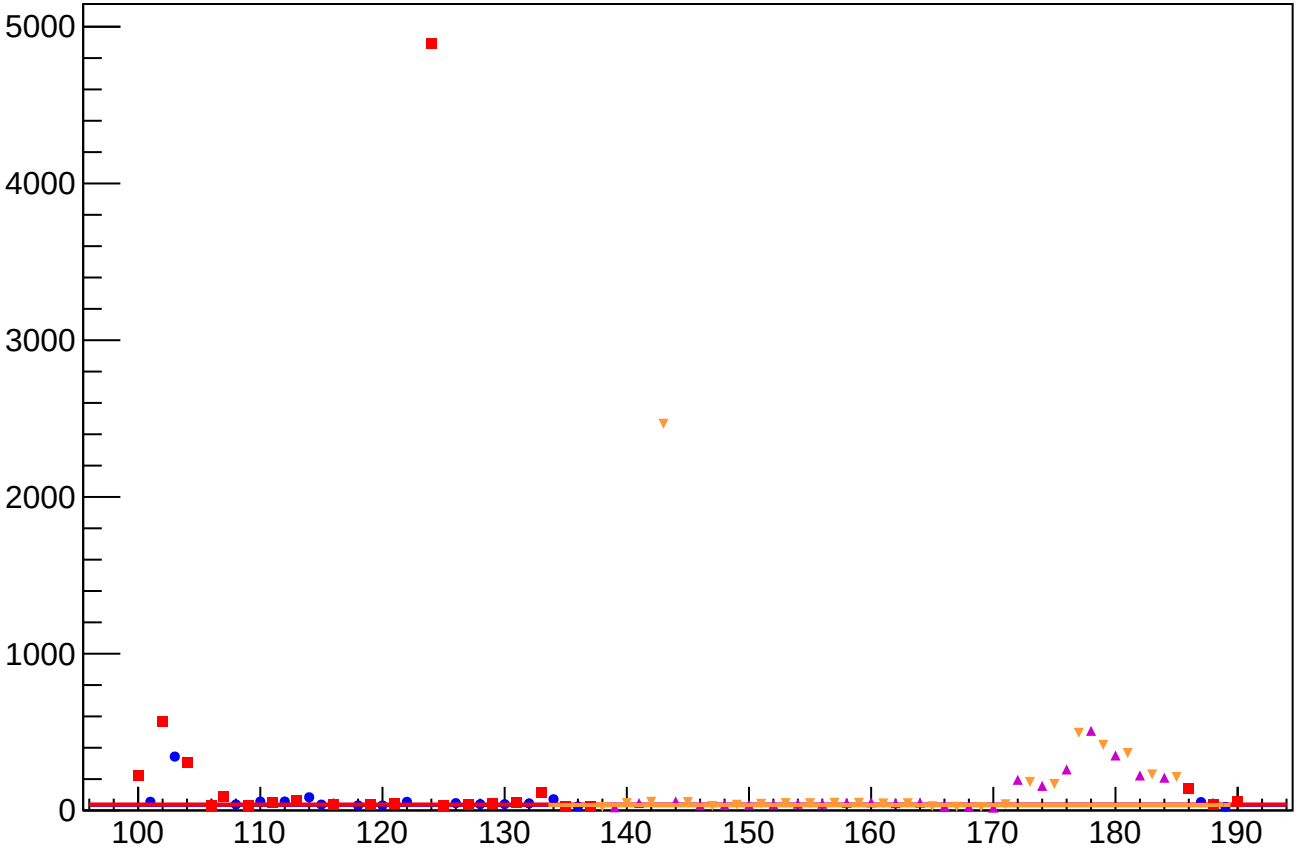
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.605+/-0.011 χ^2/NDF: 3708716.7/21

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

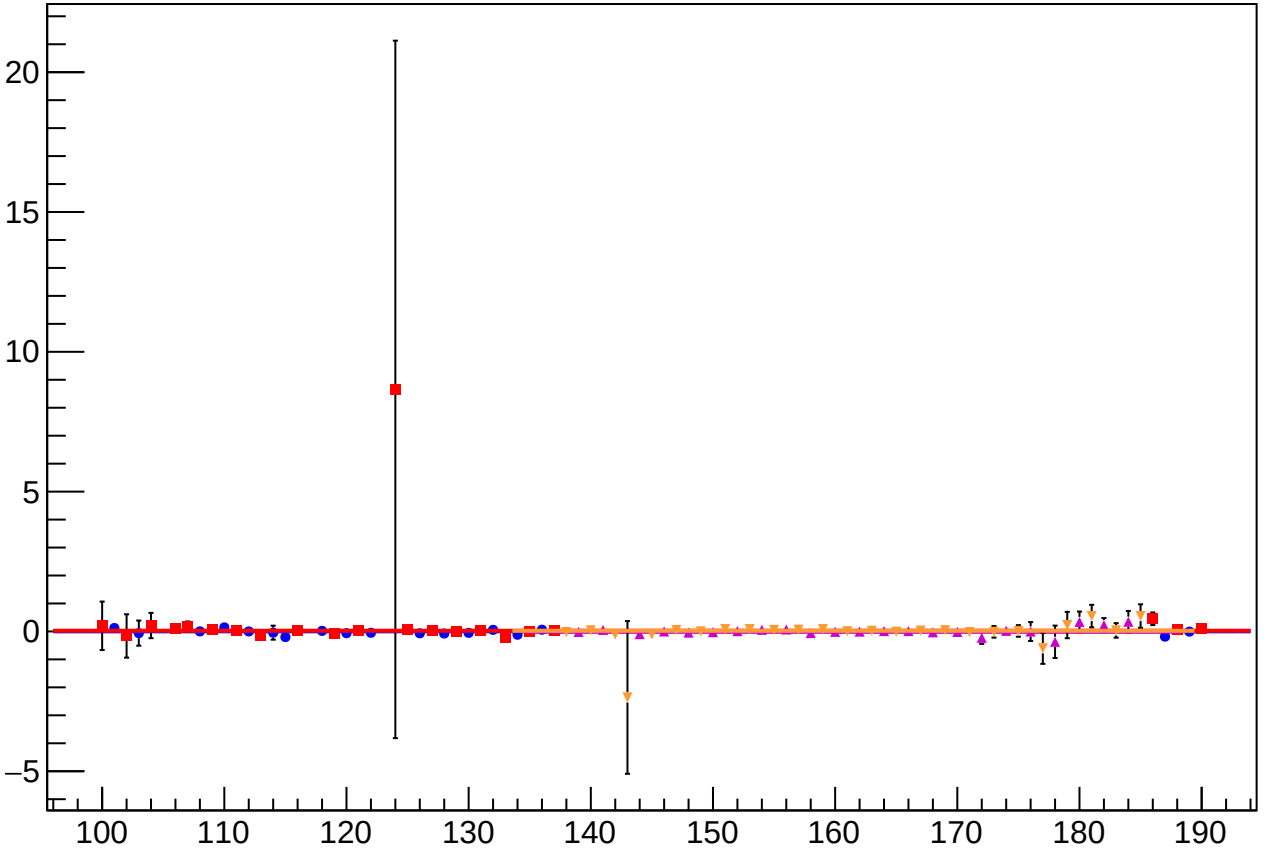
Right: 36.664+/-0.008 χ^2/NDF: 5976388.6/39

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164389.6/46

All: 34.891+/-0.004 χ^2/NDF: 27536194.6/87

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.025+/-0.015 χ^2/NDF: 18.8/21

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

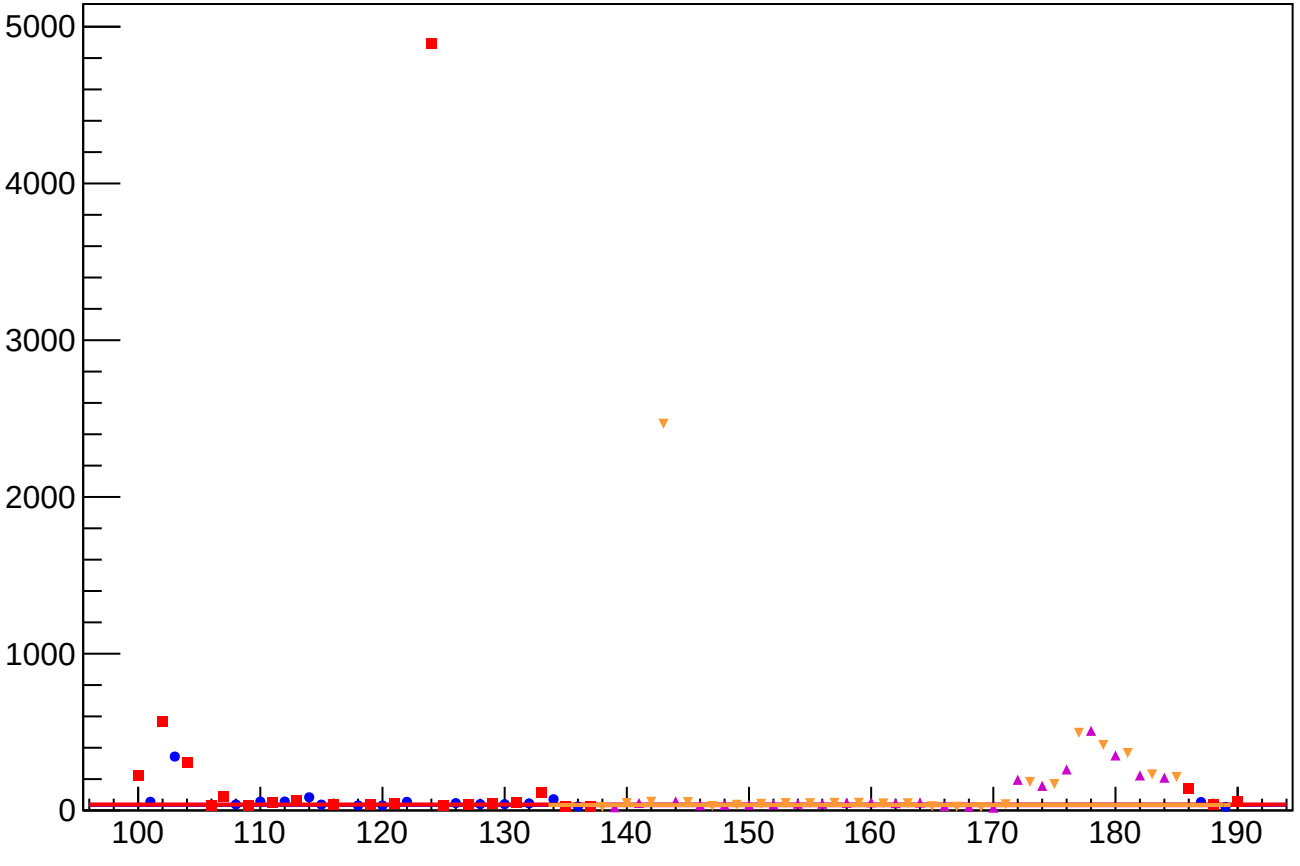
Right: 0.014+/-0.011 χ^2/NDF: 41.4/39

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.024+/-0.008 χ^2/NDF:41.6/46

All: 0.009+/-0.006 χ^2/NDF: 84.8/87

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.605+/-0.011 χ^2/NDF: 3708716.7/21

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

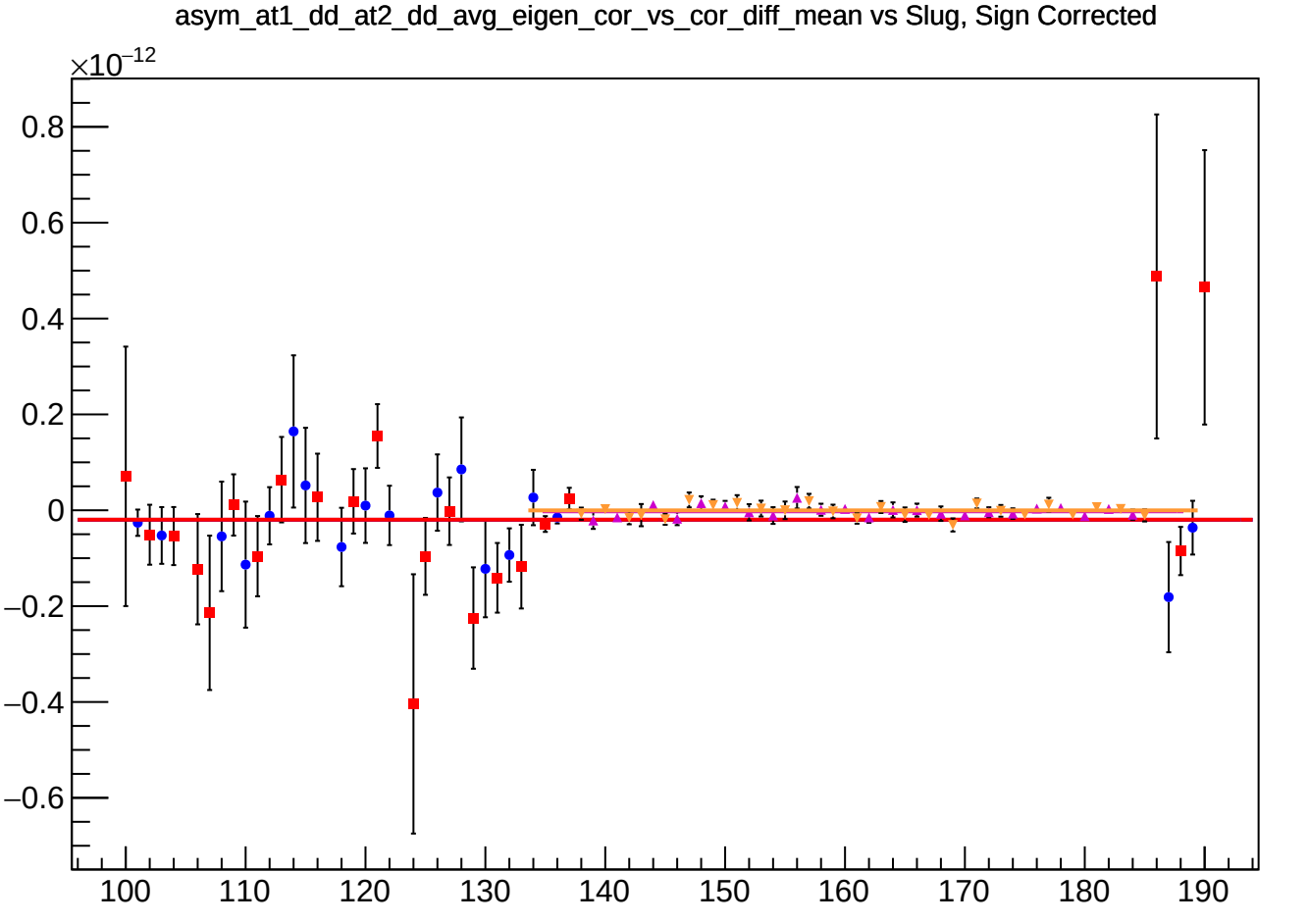
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

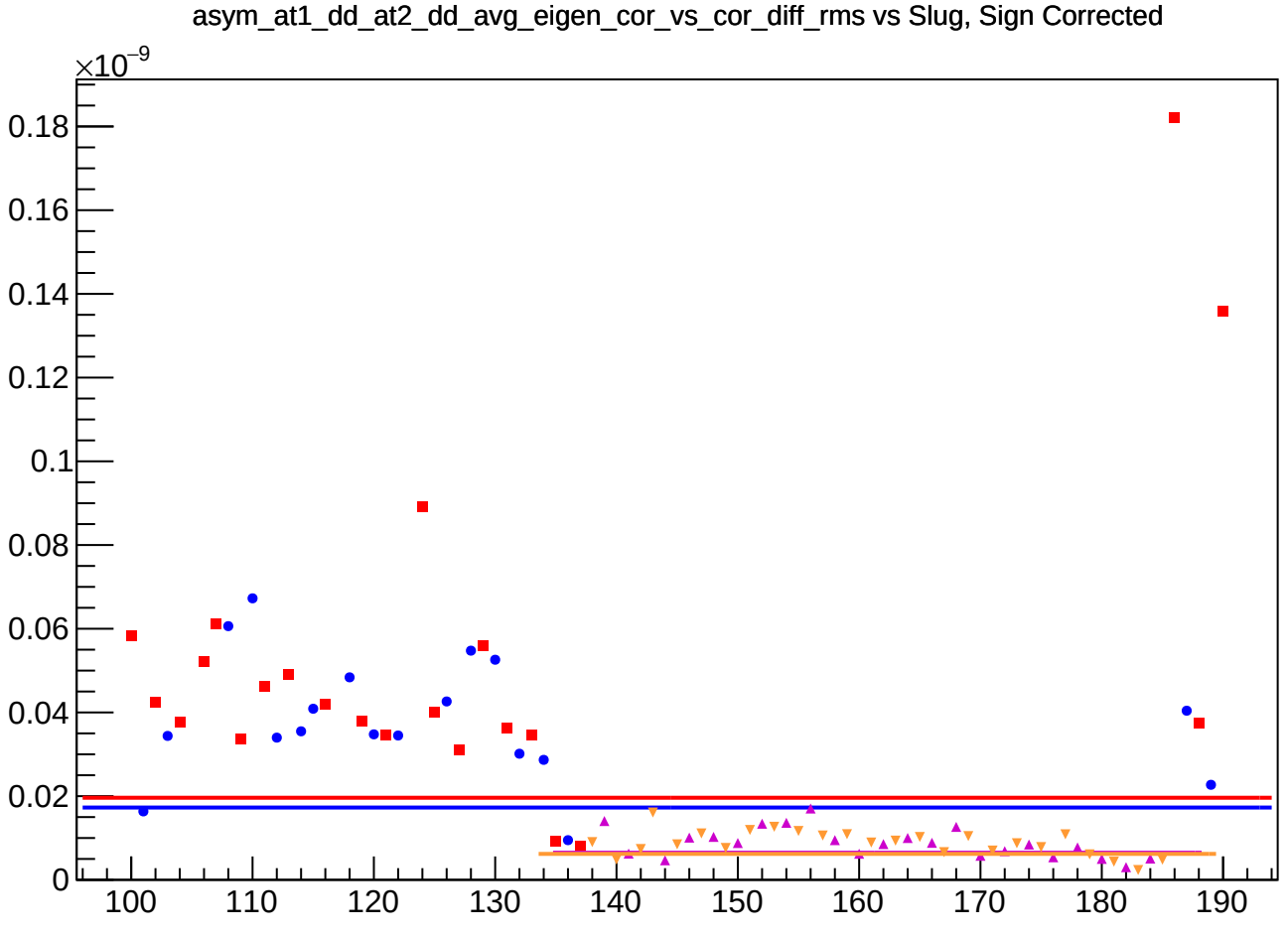
Right: 36.664+/-0.008 χ^2/NDF: 5976388.6/39

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.550+/-0.006 χ^2/NDF:15164389.6/46

All: 34.891+/-0.004 χ^2/NDF: 27536194.6/87


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.1/21
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: 44.5/39
In: -0.000+/-0.000 χ²/NDF:33.6/40
Out: -0.000+/-0.000 χ²/NDF:63.3/46
All: -0.000+/-0.000 χ²/NDF: 97.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 3310003.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4741907.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

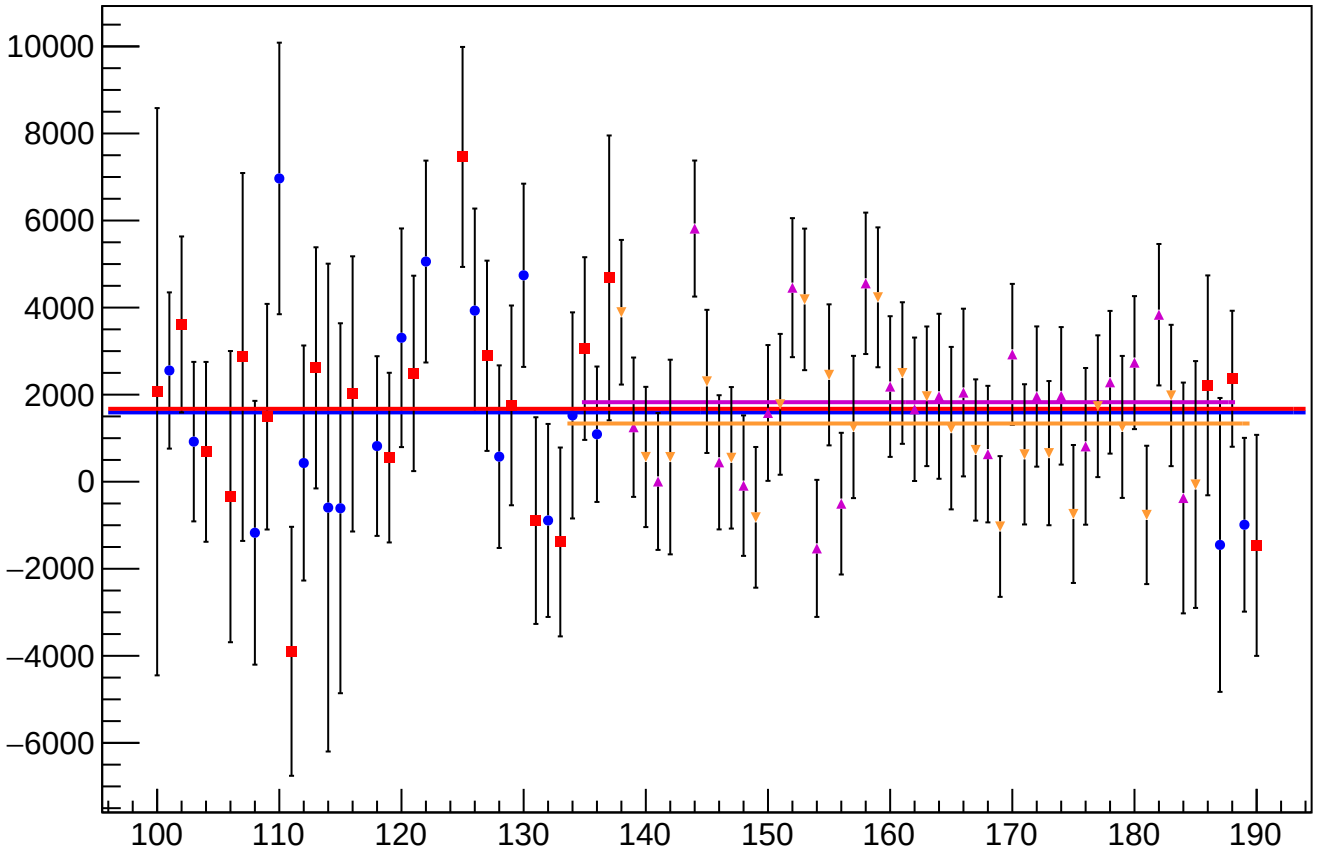
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8103787.3/39

In: 0.000+/-0.000 χ^2/NDF:9661973.0/40

Out: 0.000+/-0.000 χ^2/NDF:12815239.0/46

All: 0.000+/-0.000 χ^2/NDF: 22502864.6/87



Right In: 1591.880+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1674.502+/-527.110 χ^2/NDF: 17.7/20

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

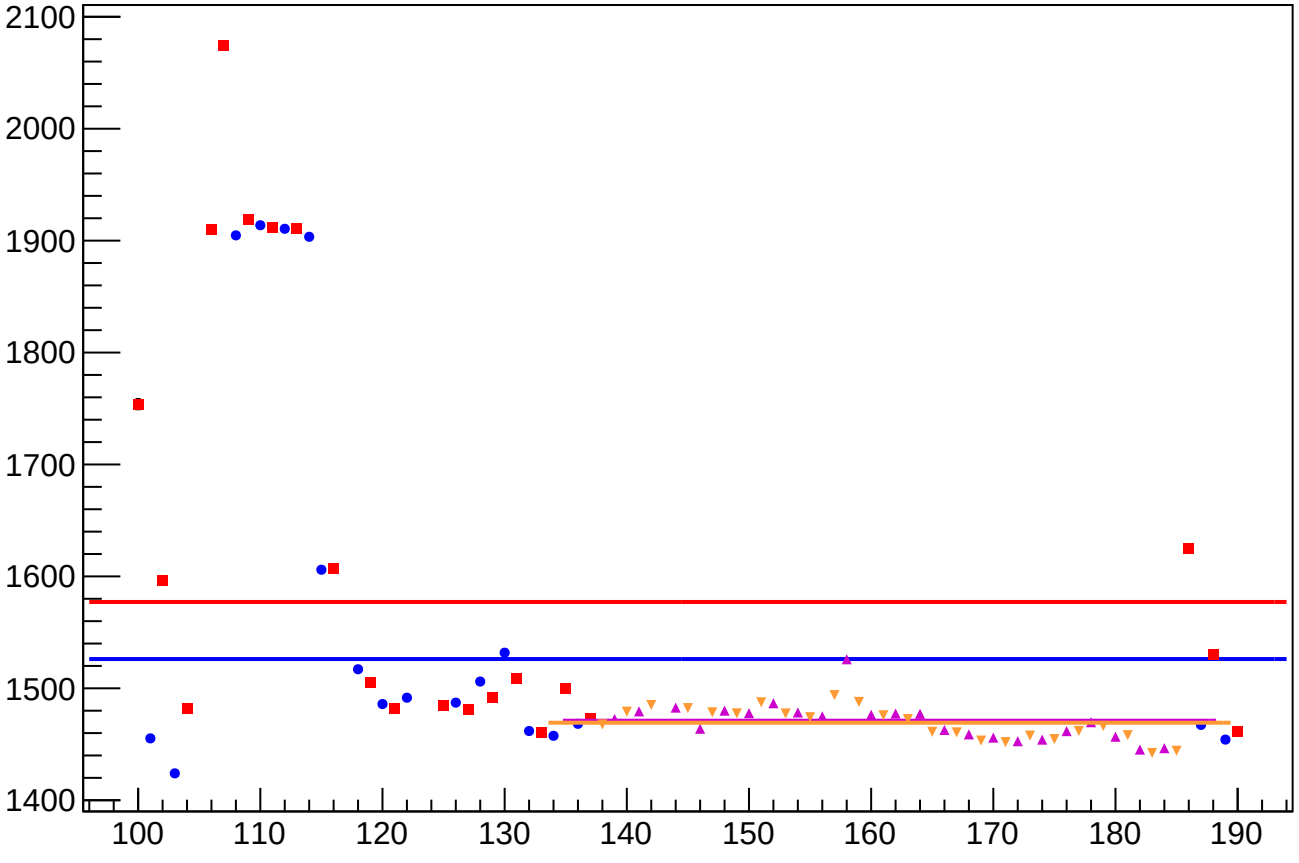
Right: 1634.412+/-378.191 χ^2/NDF: 32.7/38

In: 1759.506+/-290.270 χ^2/NDF:41.6/40

Out: 1436.586+/-286.318 χ^2/NDF:37.2/44

All: 1595.833+/-203.840 χ^2/NDF: 79.4/85

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.4/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1577.146+/-0.373 χ^2/NDF: 179257.0/20

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

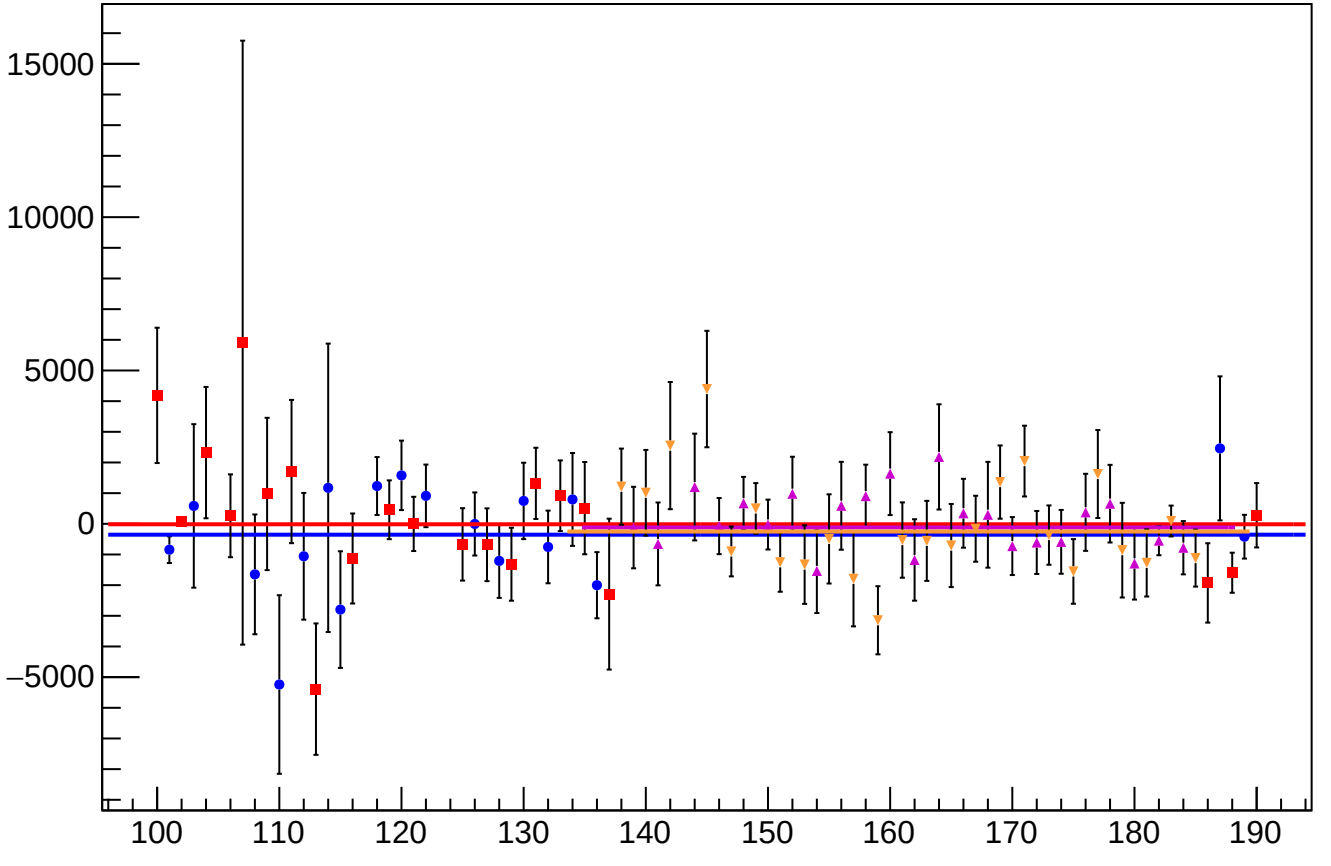
Right: 1552.408+/-0.267 χ^2/NDF: 321168.5/38

In: 1486.807+/-0.205 χ^2/NDF:152192.4/40

Out: 1501.096+/-0.202 χ^2/NDF:241467.8/44

All: 1494.049+/-0.144 χ^2/NDF: 396116.9/85

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -354.492+/-252.853 χ^2/NDF: 19.7/17

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -14.712+/-123.872 χ^2/NDF: 26.2/20

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

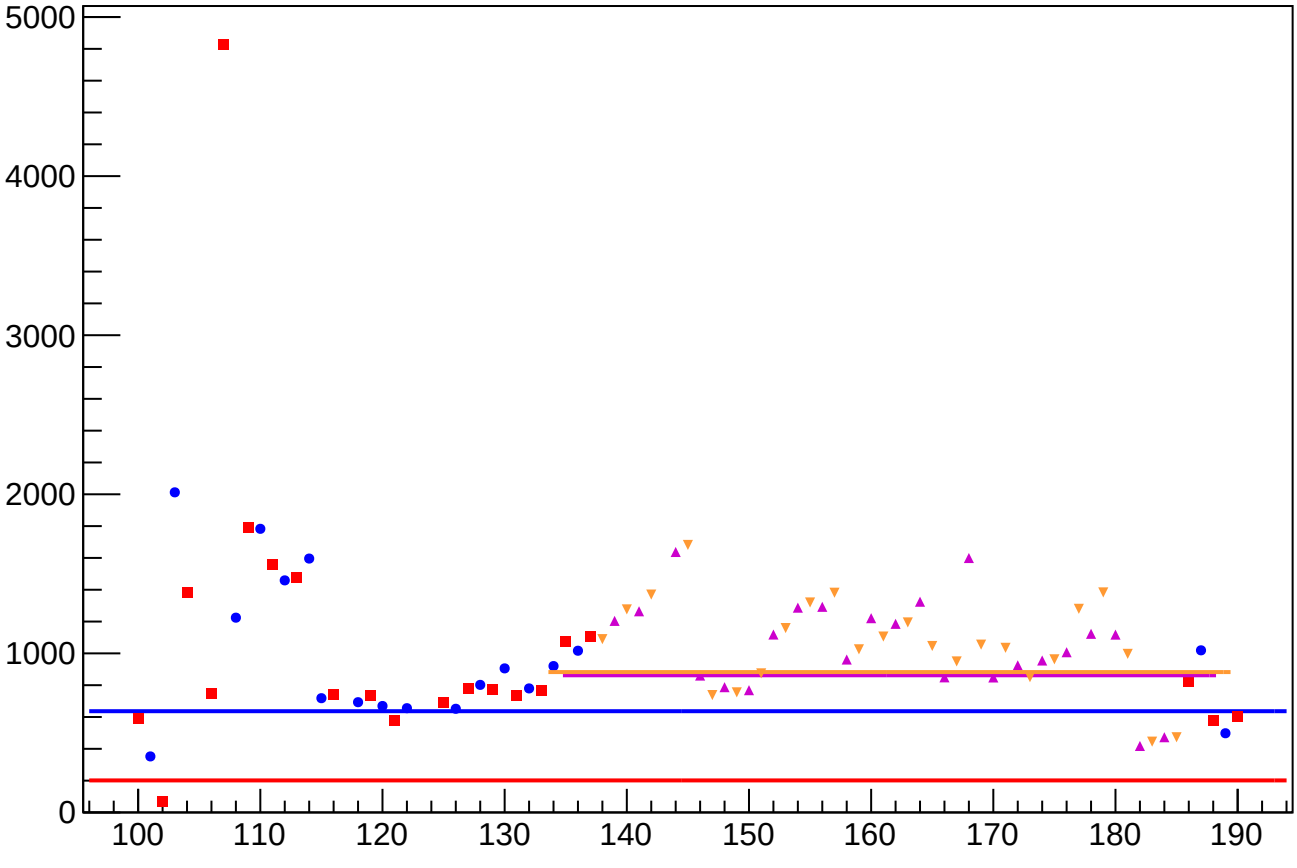
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -80.475+/-111.240 χ^2/NDF: 47.3/38

In: -218.800+/-164.223 χ^2/NDF:33.0/40

Out: -72.384+/-107.744 χ^2/NDF:59.8/44

All: -116.443+/-90.086 χ^2/NDF: 93.4/85



Right In: 636.499+/-0.179 χ^2/NDF: 2897316.3/17

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 201.384+/-0.088 χ^2/NDF: 11276501.6/20

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

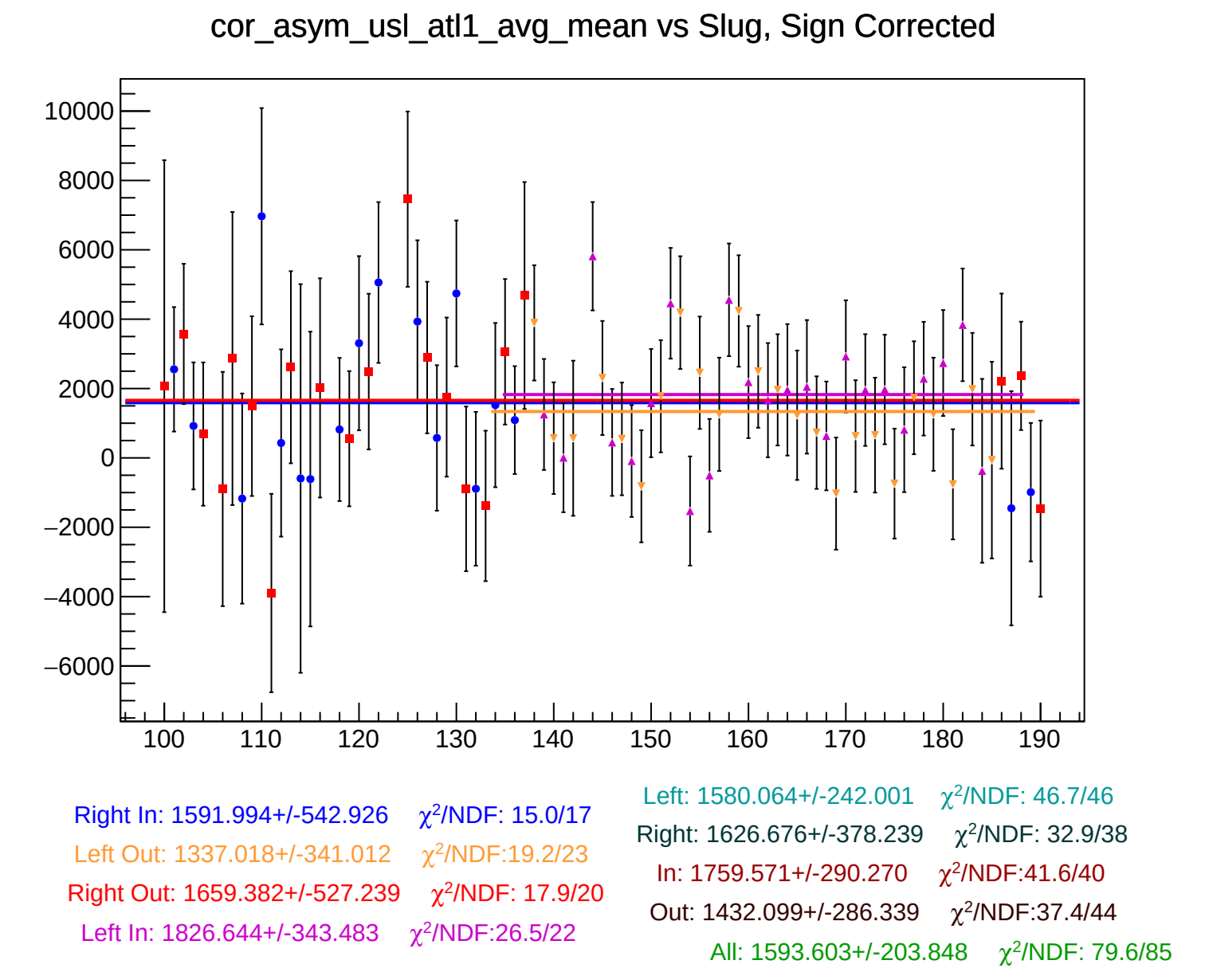
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 285.599+/-0.079 χ^2/NDF: 18949993.1/38

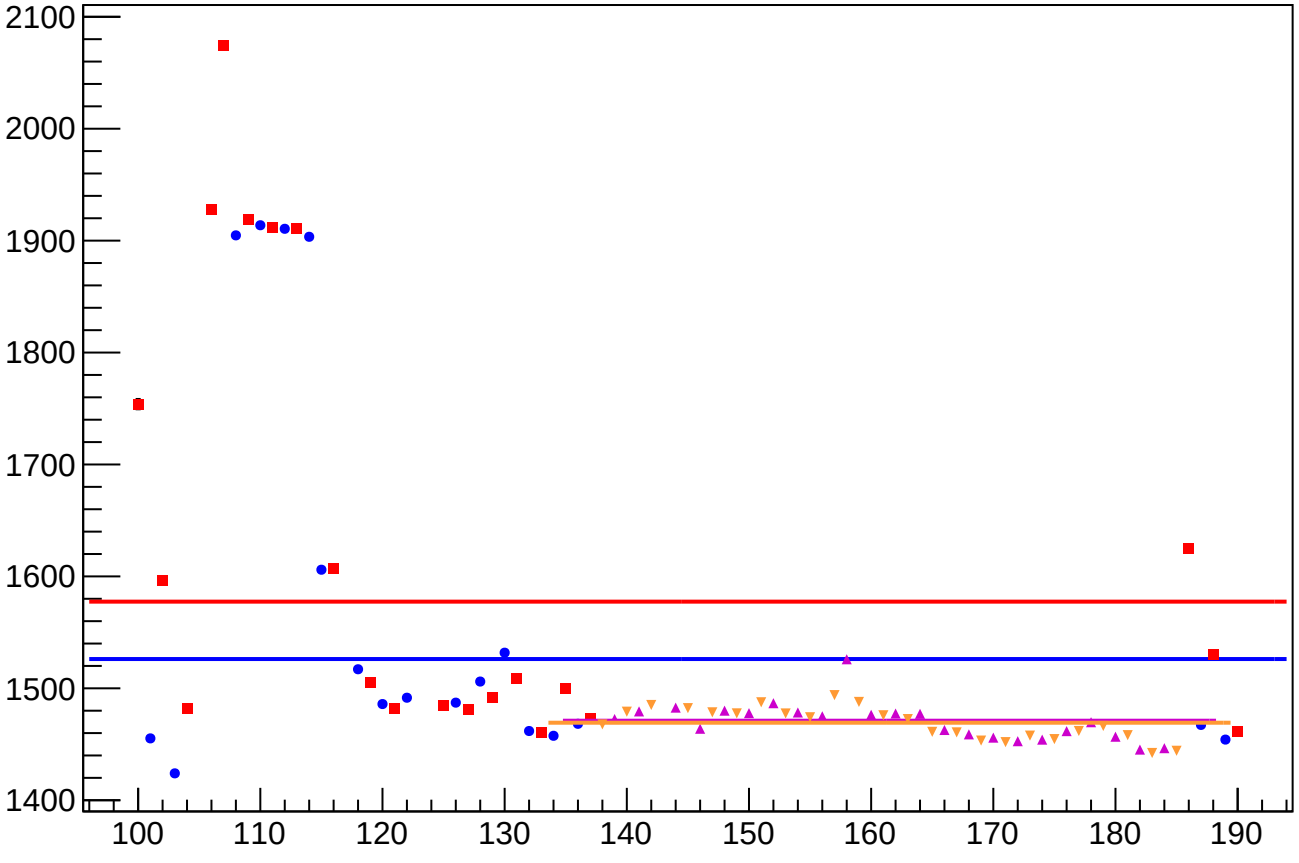
In: 767.051+/-0.116 χ^2/NDF:8188867.9/40

Out: 367.181+/-0.076 χ^2/NDF:29895479.1/44

All: 487.509+/-0.064 χ^2/NDF: 46373838.2/85


cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: 1591.994+/-542.926 χ²/NDF: 15.0/17
Left Out: 1337.018+/-341.012 χ²/NDF:19.2/23
Right Out: 1659.382+/-527.239 χ²/NDF: 17.9/20
Left In: 1826.644+/-343.483 χ²/NDF:26.5/22
Left: 1580.064+/-242.001 χ²/NDF: 46.7/46
Right: 1626.676+/-378.239 χ²/NDF: 32.9/38
In: 1759.571+/-290.270 χ²/NDF:41.6/40
Out: 1432.099+/-286.339 χ²/NDF:37.4/44
All: 1593.603+/-203.848 χ²/NDF: 79.6/85

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1577.448+/-0.373 χ^2/NDF: 181081.2/20

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

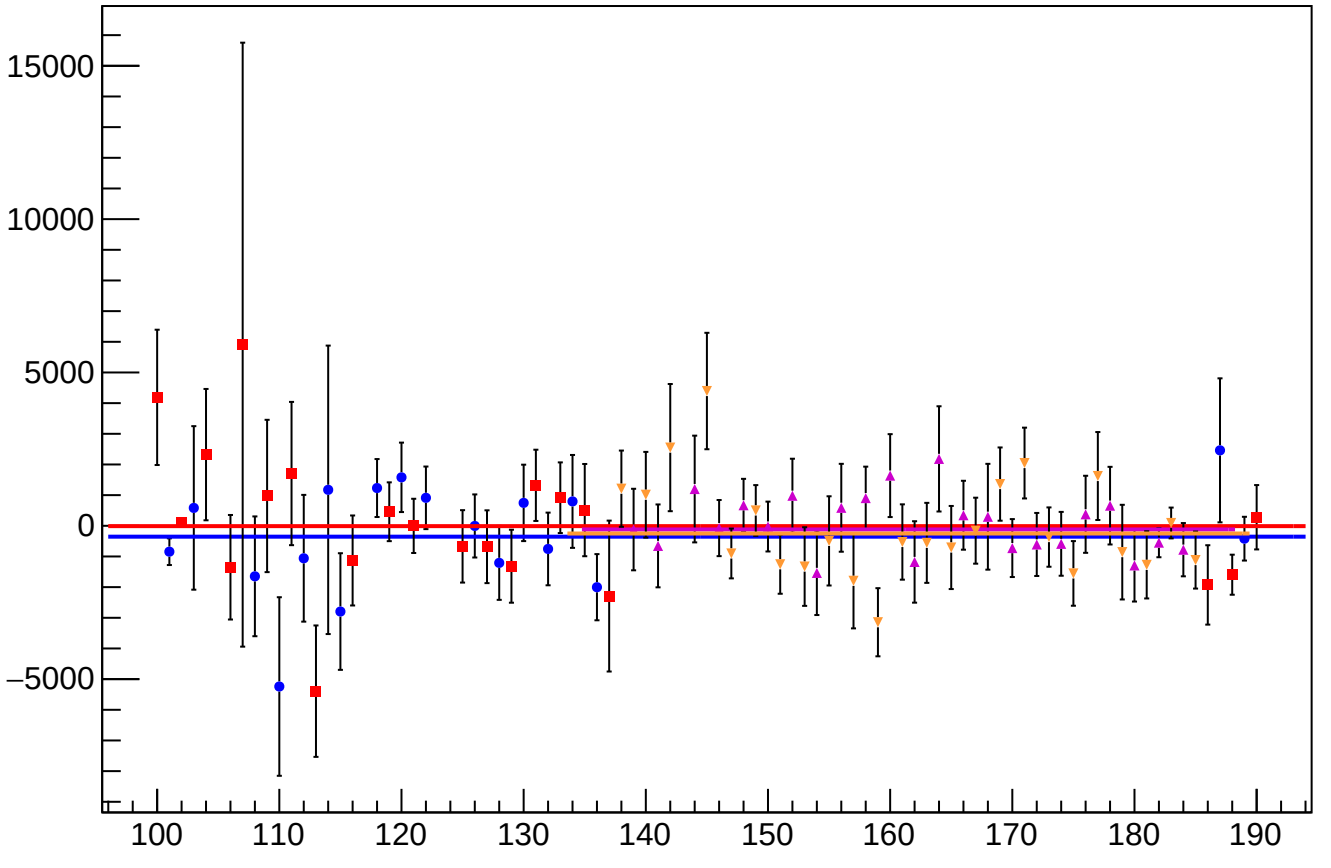
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1552.558+/-0.267 χ^2/NDF: 323098.5/38

In: 1486.807+/-0.205 χ^2/NDF:152192.4/40

Out: 1501.175+/-0.202 χ^2/NDF:243603.1/44

All: 1494.089+/-0.144 χ^2/NDF: 398279.0/85



Right In: -354.443+/-252.852 χ^2/NDF: 19.7/17

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -10.914+/-133.327 χ^2/NDF: 27.0/20

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

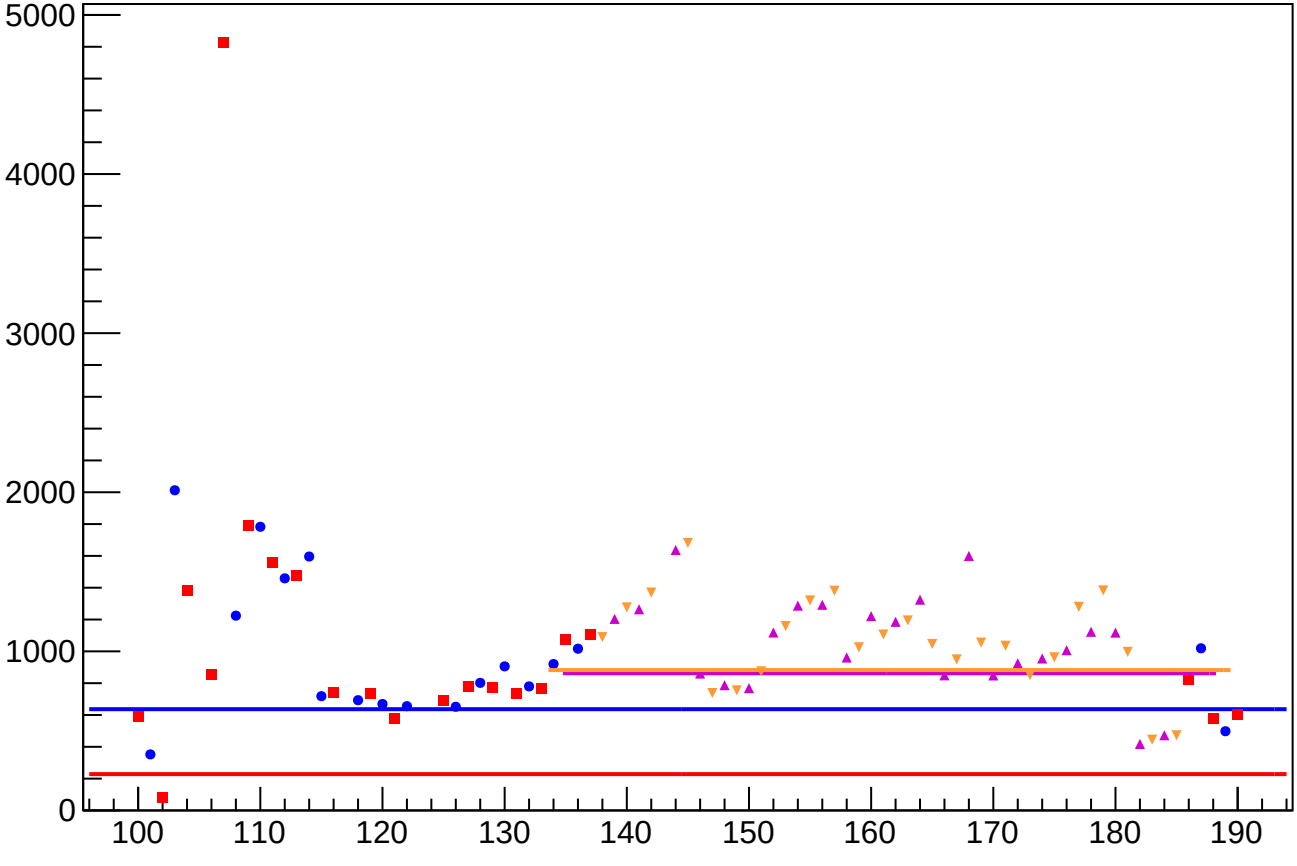
Right: -85.649+/-117.936 χ^2/NDF: 48.1/38

In: -218.804+/-164.223 χ^2/NDF:33.0/40

Out: -76.270+/-113.793 χ^2/NDF:60.6/44

All: -122.507+/-93.533 χ^2/NDF: 94.1/85

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.496+/-0.179 χ^2/NDF: 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 228.354+/-0.094 χ^2/NDF: 10632626.6/20

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

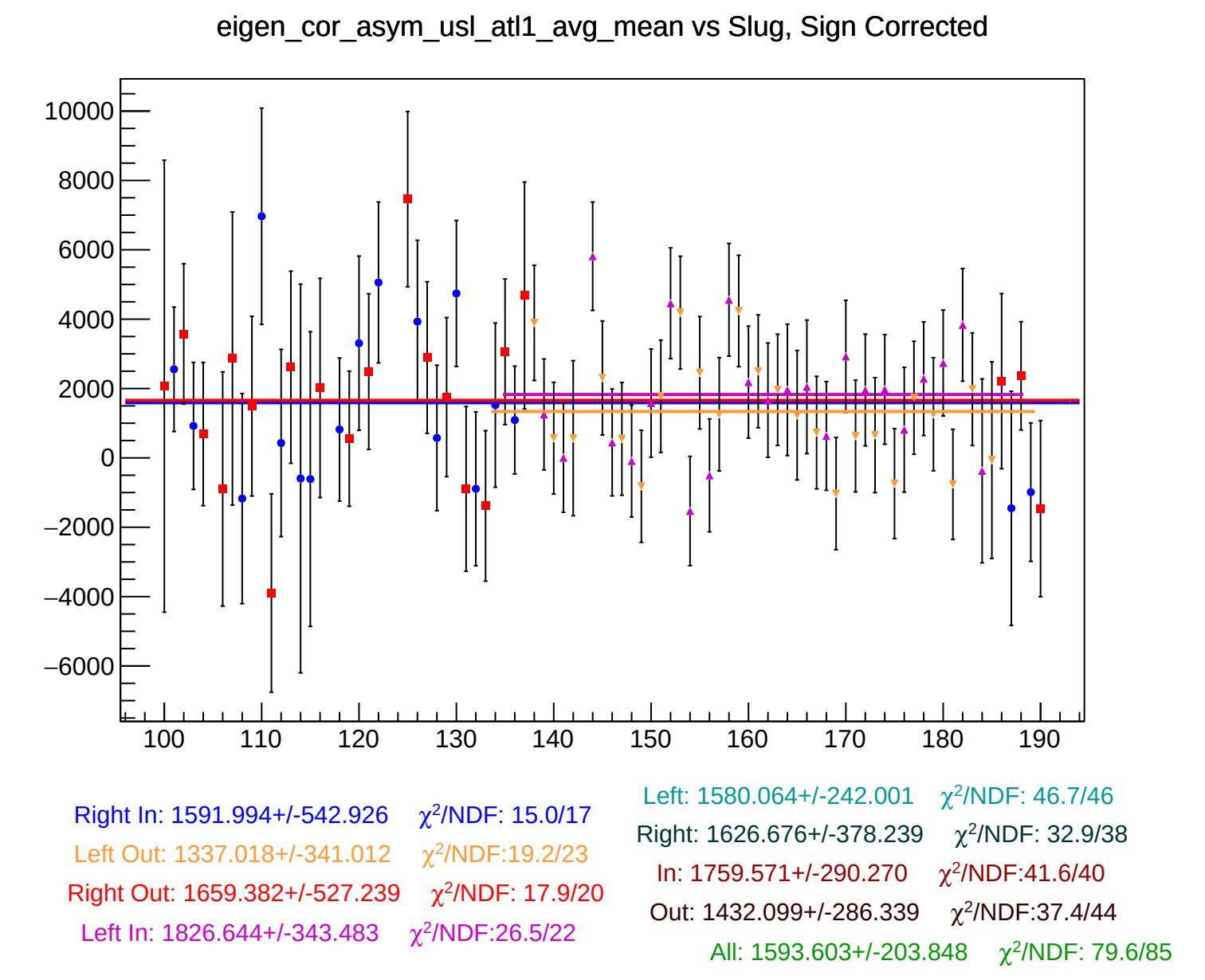
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

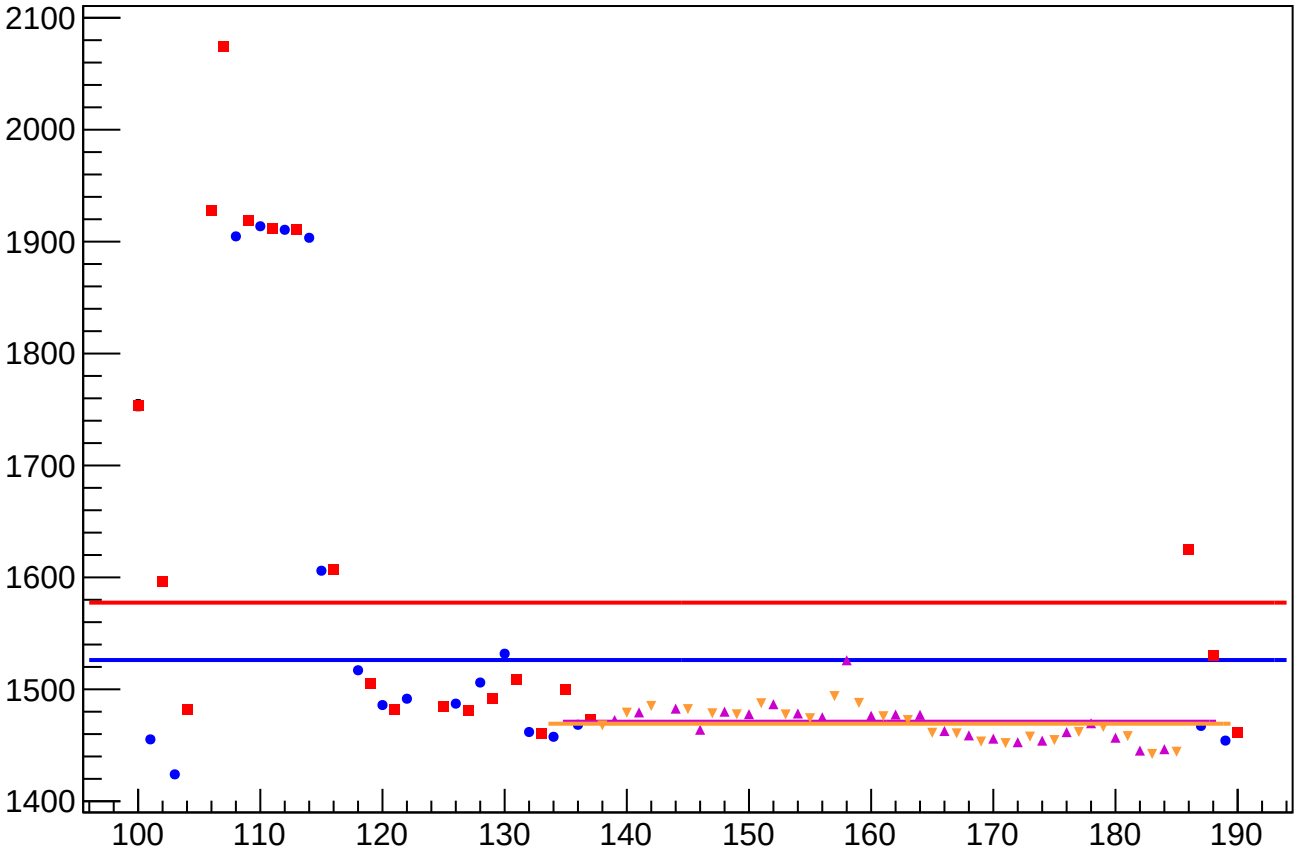
Right: 317.146+/-0.083 χ^2/NDF: 17607285.2/38

In: 767.050+/-0.116 χ^2/NDF:8188964.7/40

Out: 405.969+/-0.080 χ^2/NDF:27604730.4/44

All: 523.099+/-0.066 χ^2/NDF: 42326040.5/85


eigen_cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: 1591.994+/-542.926 χ²/NDF: 15.0/17
Left Out: 1337.018+/-341.012 χ²/NDF:19.2/23
Right Out: 1659.382+/-527.239 χ²/NDF: 17.9/20
Left In: 1826.644+/-343.483 χ²/NDF:26.5/22
Left: 1580.064+/-242.001 χ²/NDF: 46.7/46
Right: 1626.676+/-378.239 χ²/NDF: 32.9/38
In: 1759.571+/-290.270 χ²/NDF:41.6/40
Out: 1432.099+/-286.339 χ²/NDF:37.4/44
All: 1593.603+/-203.848 χ²/NDF: 79.6/85



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1577.448+/-0.373 χ^2/NDF: 181081.2/20

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

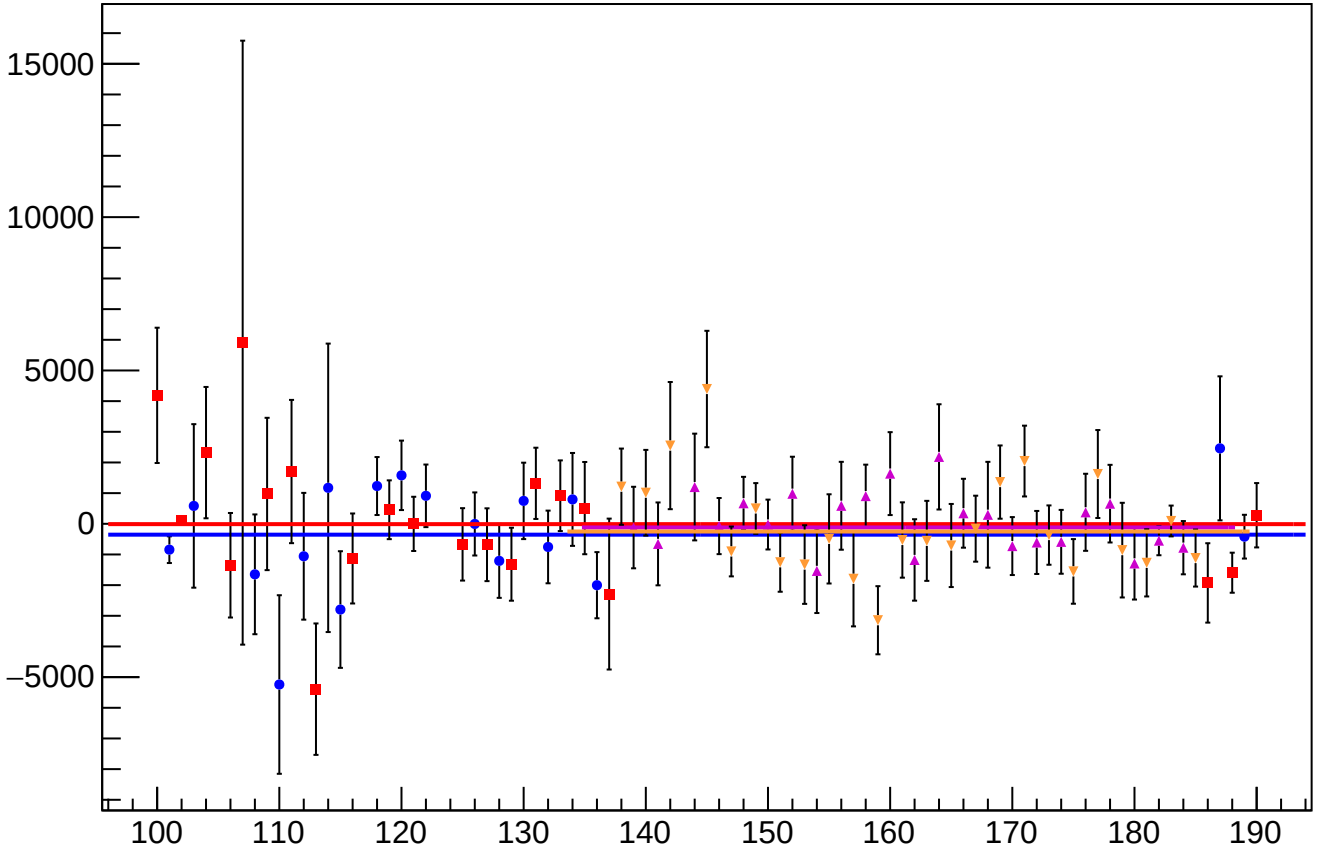
Right: 1552.558+/-0.267 χ^2/NDF: 323098.5/38

In: 1486.807+/-0.205 χ^2/NDF:152192.4/40

Out: 1501.175+/-0.202 χ^2/NDF:243603.1/44

All: 1494.089+/-0.144 χ^2/NDF: 398279.0/85

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -354.443+/-252.852 χ^2/NDF: 19.7/17

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -10.914+/-133.327 χ^2/NDF: 27.0/20

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

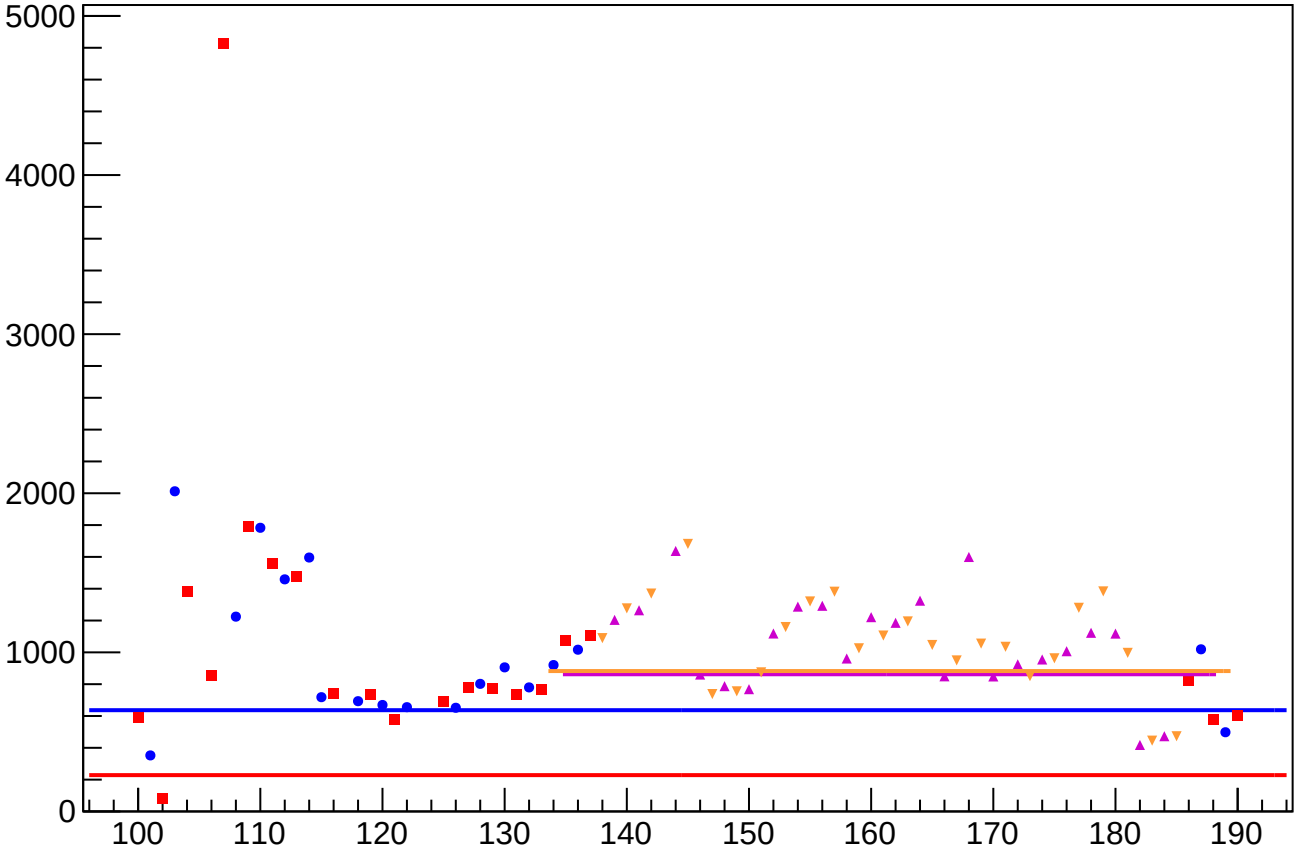
Right: -85.649+/-117.936 χ^2/NDF: 48.1/38

In: -218.804+/-164.223 χ^2/NDF:33.0/40

Out: -76.270+/-113.793 χ^2/NDF:60.6/44

All: -122.507+/-93.533 χ^2/NDF: 94.1/85

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.496+/-0.179 χ^2/NDF: 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 228.354+/-0.094 χ^2/NDF: 10632626.6/20

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

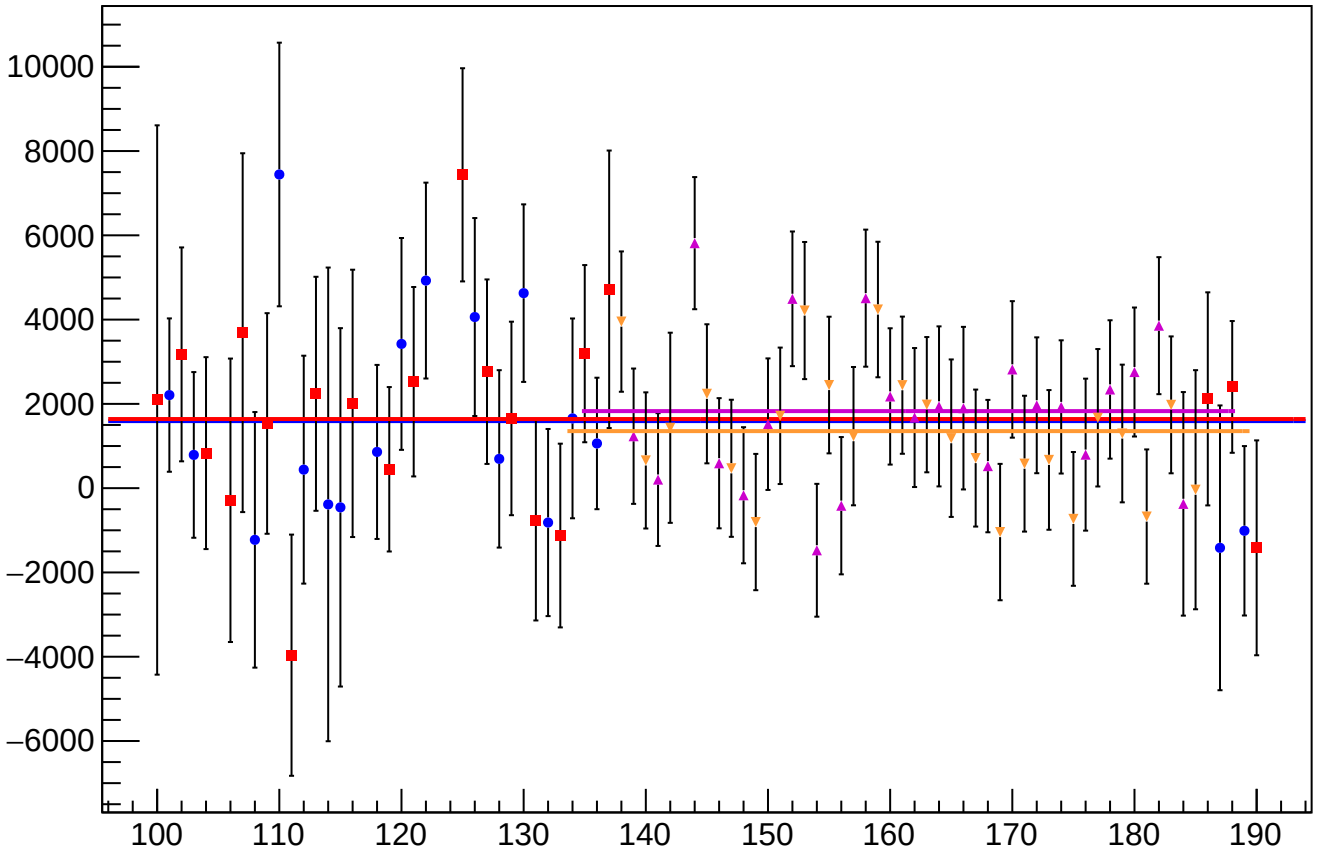
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 317.146+/-0.083 χ^2/NDF: 17607285.2/38

In: 767.050+/-0.116 χ^2/NDF:8188964.7/40

Out: 405.969+/-0.080 χ^2/NDF:27604730.4/44

All: 523.099+/-0.066 χ^2/NDF: 42326040.5/85



Right In: 1591.400+/-547.824 χ^2/NDF: 15.0/17

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1640.407+/-538.156 χ^2/NDF: 16.8/20

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

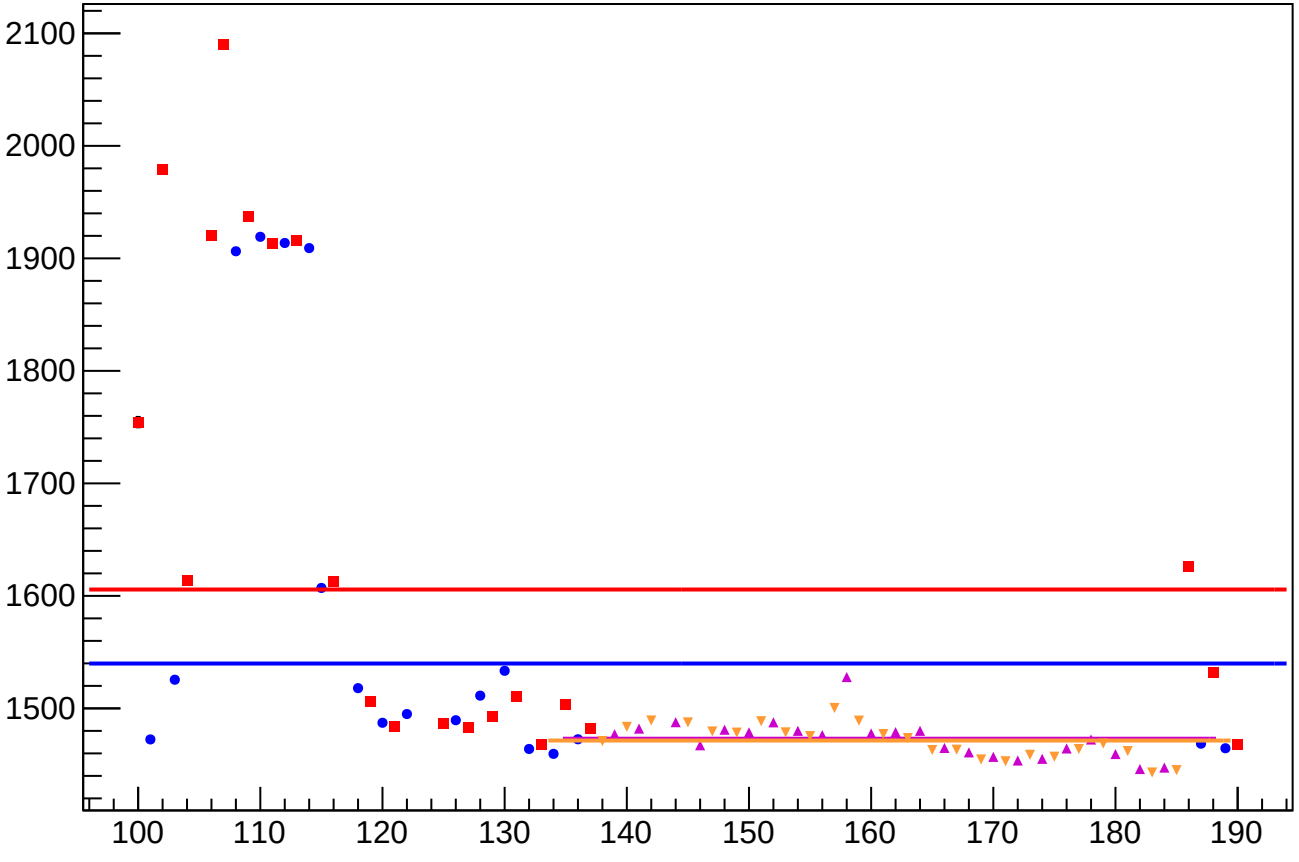
Right: 1616.340+/-383.906 χ^2/NDF: 31.8/38

In: 1761.282+/-291.297 χ^2/NDF:41.0/40

Out: 1436.022+/-288.386 χ^2/NDF:35.9/44

All: 1597.019+/-204.941 χ^2/NDF: 77.5/85

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1539.875+/-0.387 χ^2/NDF: 124014.1/17

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1605.664+/-0.381 χ^2/NDF: 223721.2/20

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

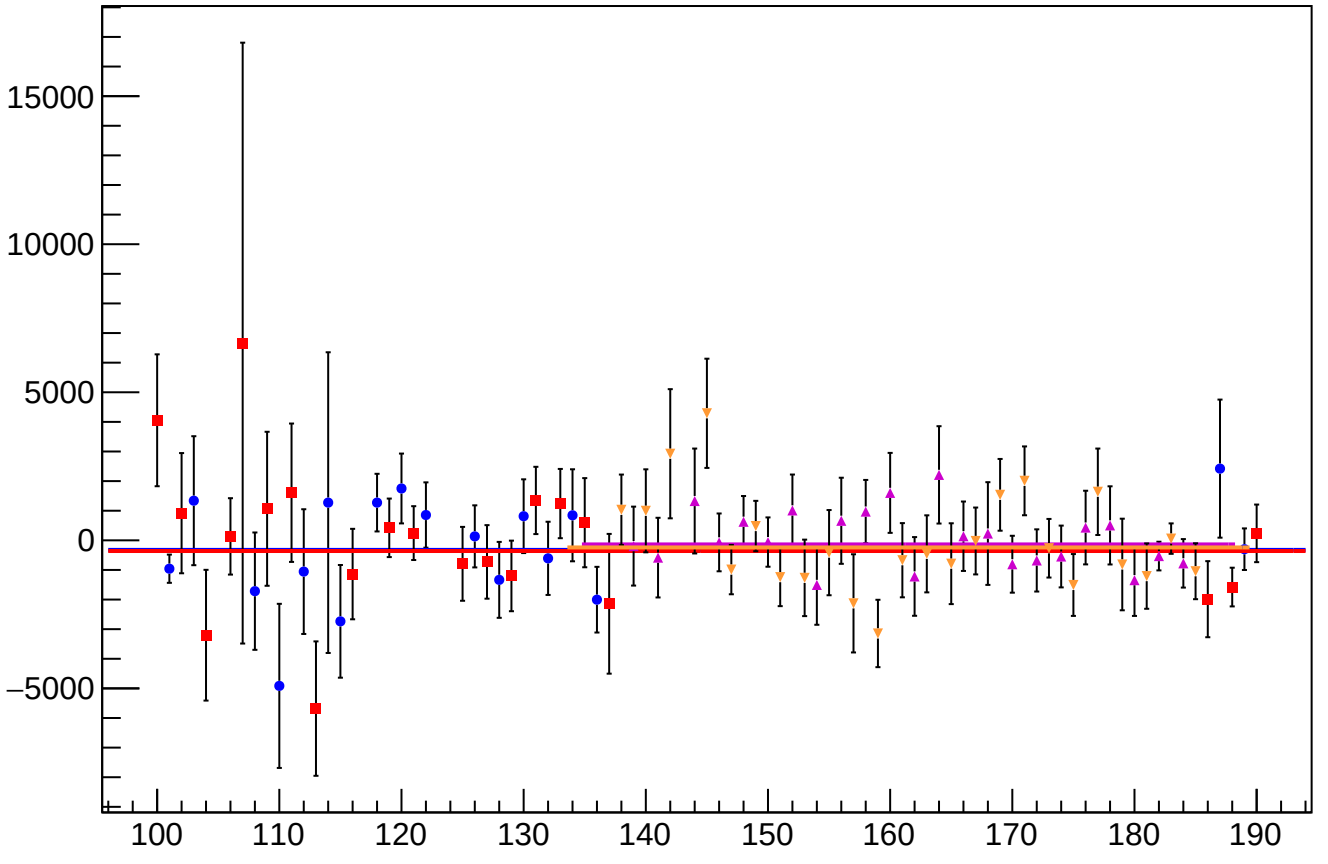
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1573.355+/-0.271 χ^2/NDF: 362414.1/38

In: 1491.943+/-0.206 χ^2/NDF:150111.1/40

Out: 1509.982+/-0.204 χ^2/NDF:315849.5/44

All: 1501.053+/-0.145 χ^2/NDF: 469834.0/85



Right In: -323.224+/-263.620 χ^2/NDF: 20.3/17

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -360.585+/-281.973 χ^2/NDF: 25.7/20

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

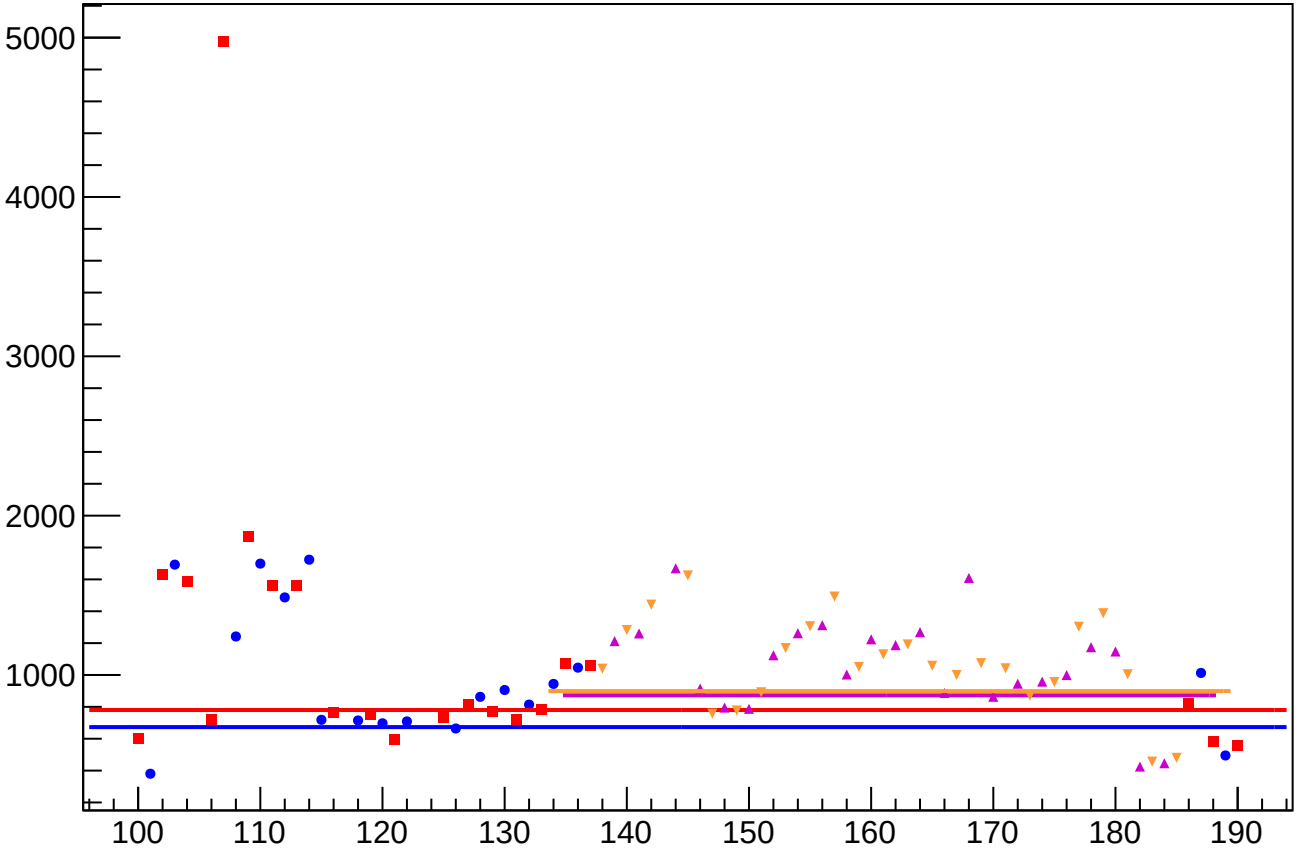
Right: -340.649+/-192.569 χ^2/NDF: 46.0/38

In: -213.668+/-168.217 χ^2/NDF:33.6/40

Out: -286.254+/-174.324 χ^2/NDF:58.3/44

All: -248.667+/-121.049 χ^2/NDF: 91.9/85

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 672.973+/-0.186 χ^2/NDF: 2621501.1/17

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 780.246+/-0.199 χ^2/NDF: 2270603.9/20

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

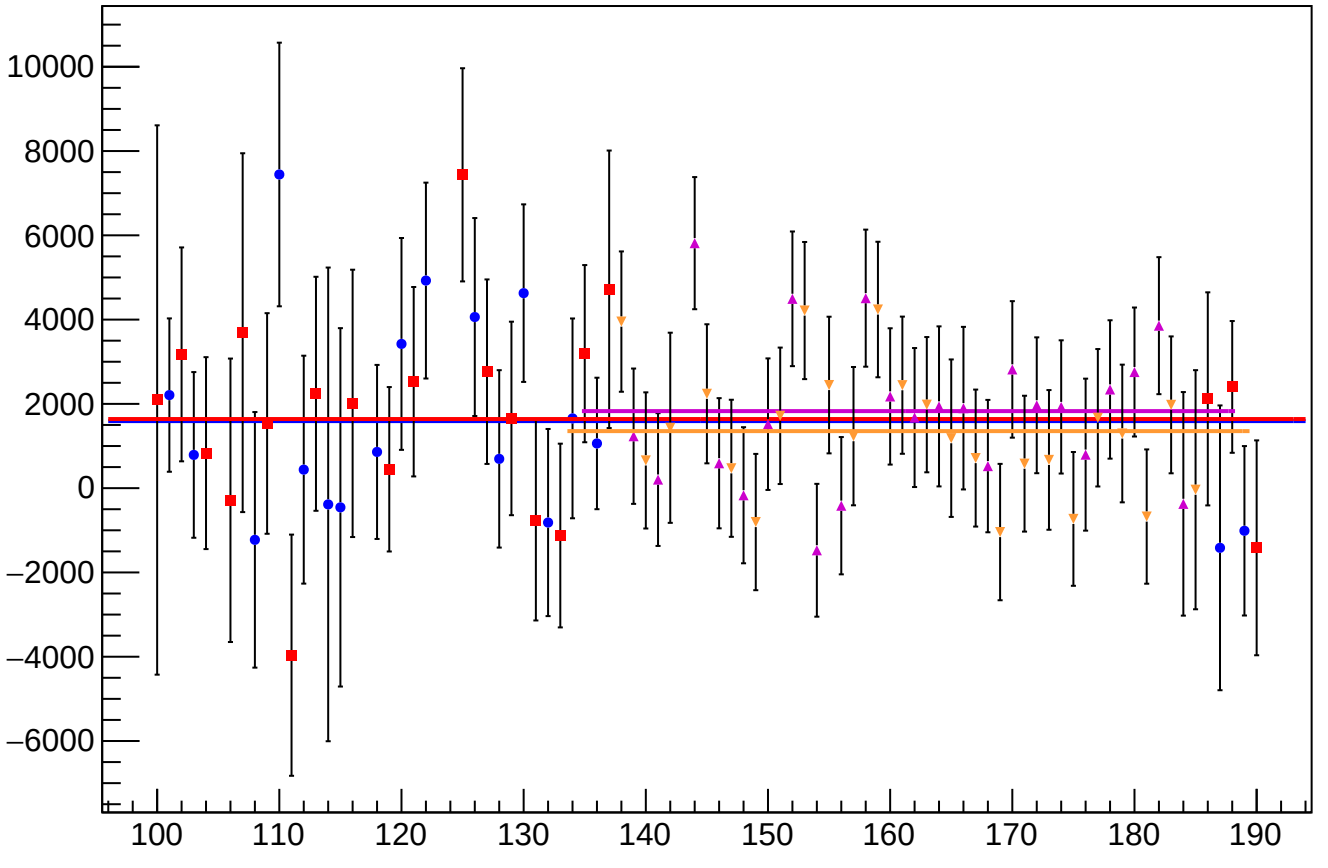
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 723.005+/-0.136 χ^2/NDF: 5046563.2/38

In: 791.241+/-0.119 χ^2/NDF:7736032.9/40

Out: 853.518+/-0.123 χ^2/NDF:6280731.2/44

All: 821.269+/-0.086 χ^2/NDF: 14148939.6/85



Right In: 1591.398+/-547.824 χ^2/NDF: 15.0/17

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1640.404+/-538.156 χ^2/NDF: 16.8/20

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

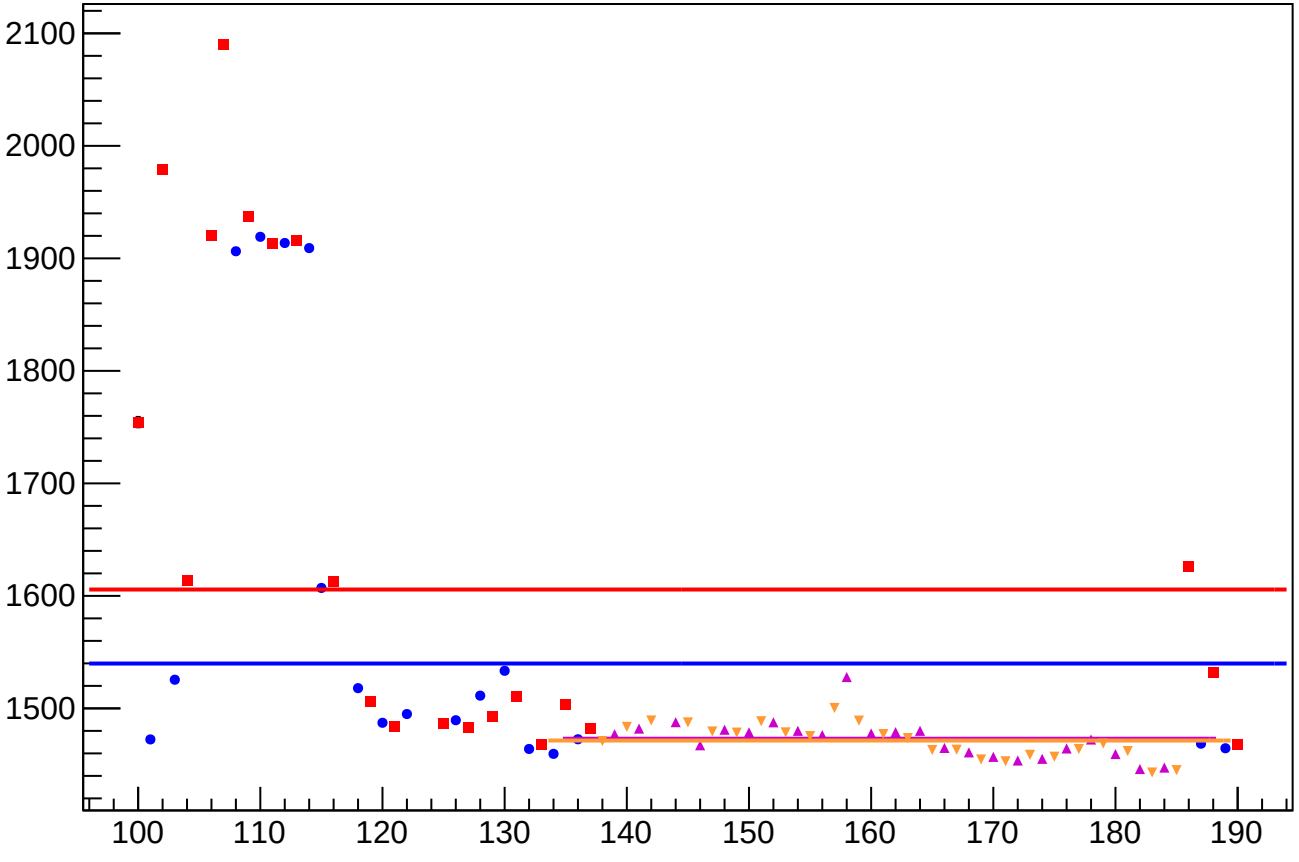
Right: 1616.338+/-383.906 χ^2/NDF: 31.8/38

In: 1761.282+/-291.297 χ^2/NDF:41.0/40

Out: 1436.020+/-288.386 χ^2/NDF:35.9/44

All: 1597.018+/-204.941 χ^2/NDF: 77.5/85

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1539.874+/-0.387 χ^2/NDF: 124014.1/17

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1605.663+/-0.381 χ^2/NDF: 223721.0/20

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

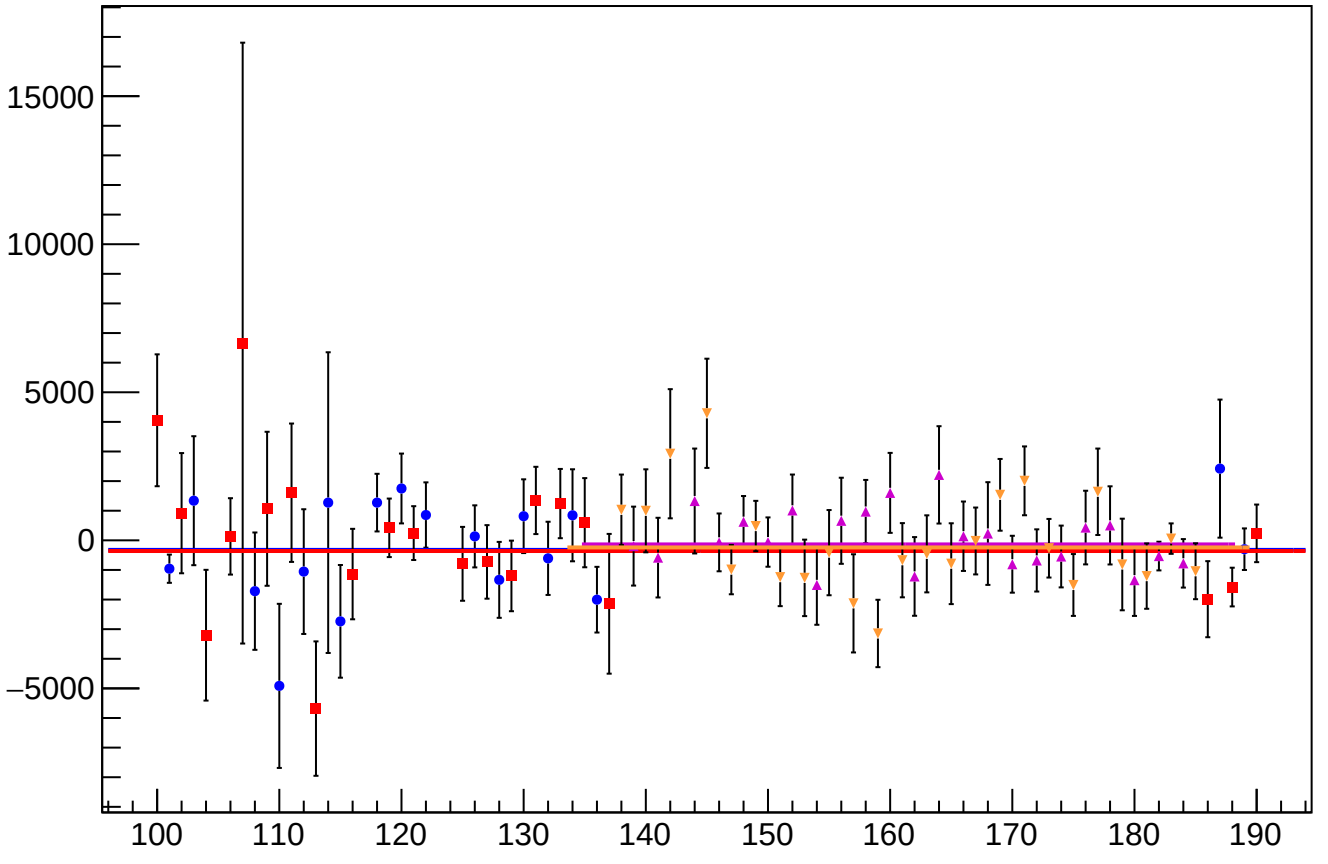
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1573.355+/-0.271 χ^2/NDF: 362414.0/38

In: 1491.943+/-0.206 χ^2/NDF:150111.0/40

Out: 1509.982+/-0.204 χ^2/NDF:315849.0/44

All: 1501.053+/-0.145 χ^2/NDF: 469833.4/85



Right In: -323.223+/-263.620 χ^2/NDF: 20.3/17

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -360.584+/-281.973 χ^2/NDF: 25.7/20

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

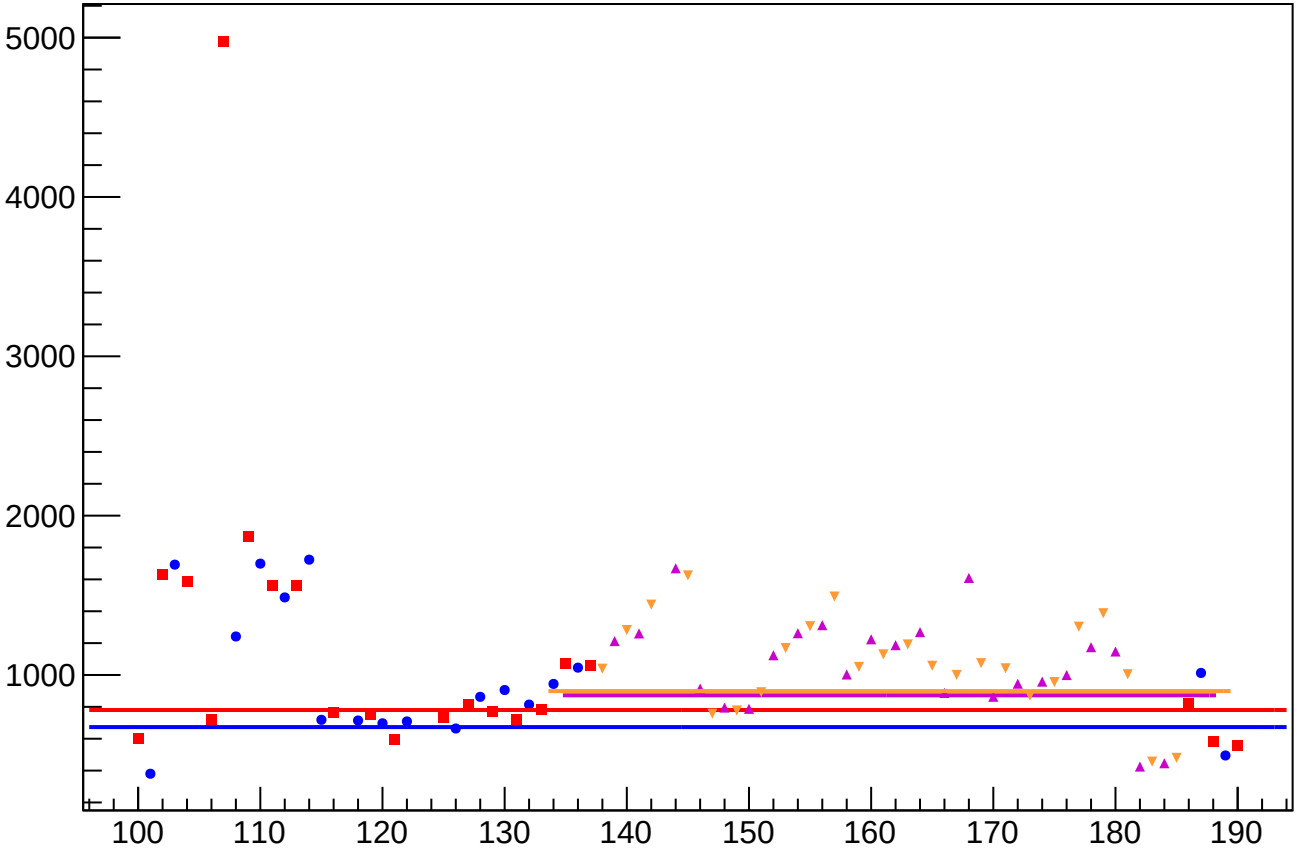
Right: -340.648+/-192.569 χ^2/NDF: 46.0/38

In: -213.668+/-168.217 χ^2/NDF:33.6/40

Out: -286.254+/-174.324 χ^2/NDF:58.3/44

All: -248.668+/-121.049 χ^2/NDF: 91.9/85

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 672.973+/-0.186 χ^2/NDF: 2621494.3/17

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 780.245+/-0.199 χ^2/NDF: 2270609.9/20

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

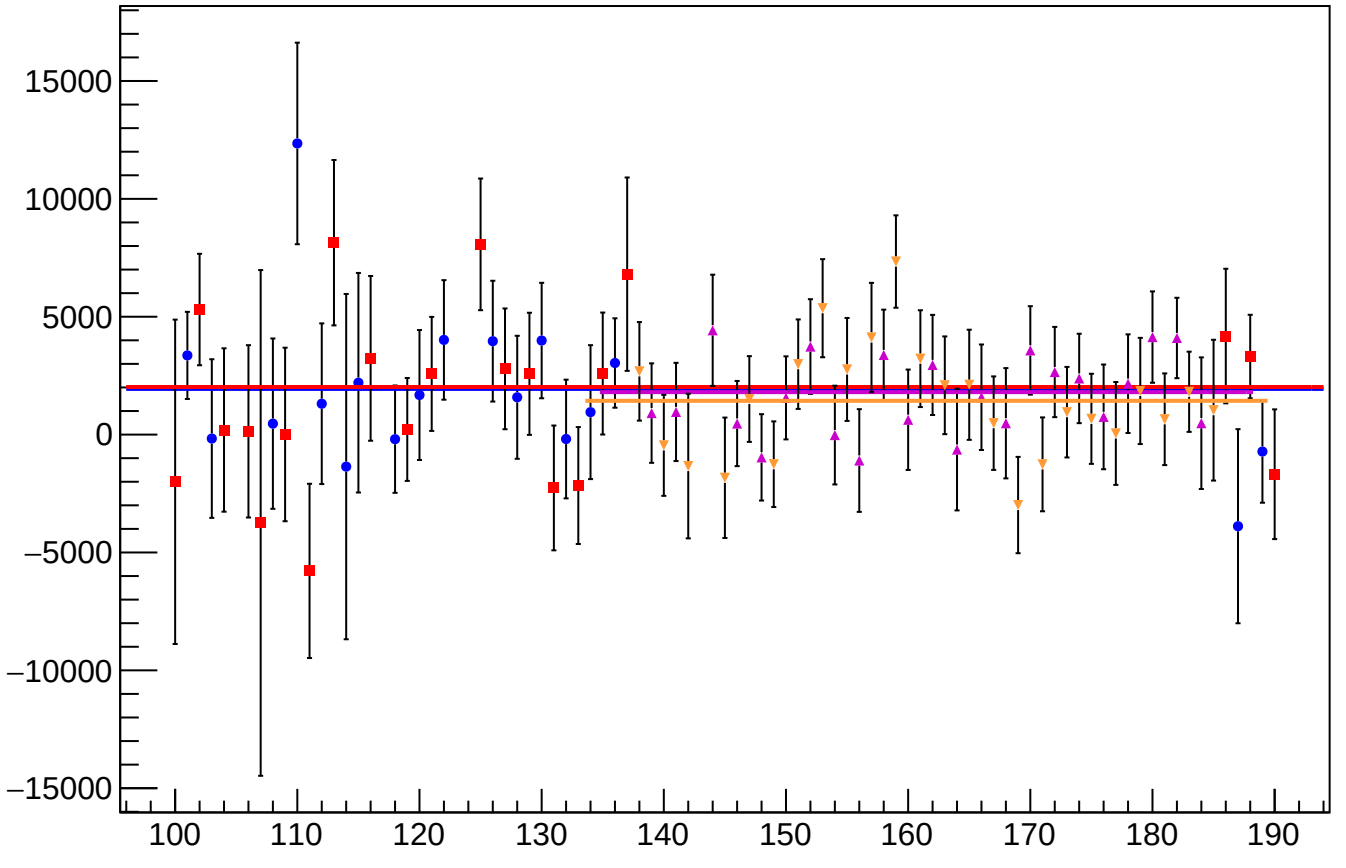
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 723.005+/-0.136 χ^2/NDF: 5046560.0/38

In: 791.241+/-0.119 χ^2/NDF:7736039.4/40

Out: 853.518+/-0.123 χ^2/NDF:6280752.5/44

All: 821.270+/-0.086 χ^2/NDF: 14148965.9/85



Right In: 1938.487+/-640.097 χ^2/NDF: 14.9/17

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2018.724+/-623.171 χ^2/NDF: 26.4/20

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

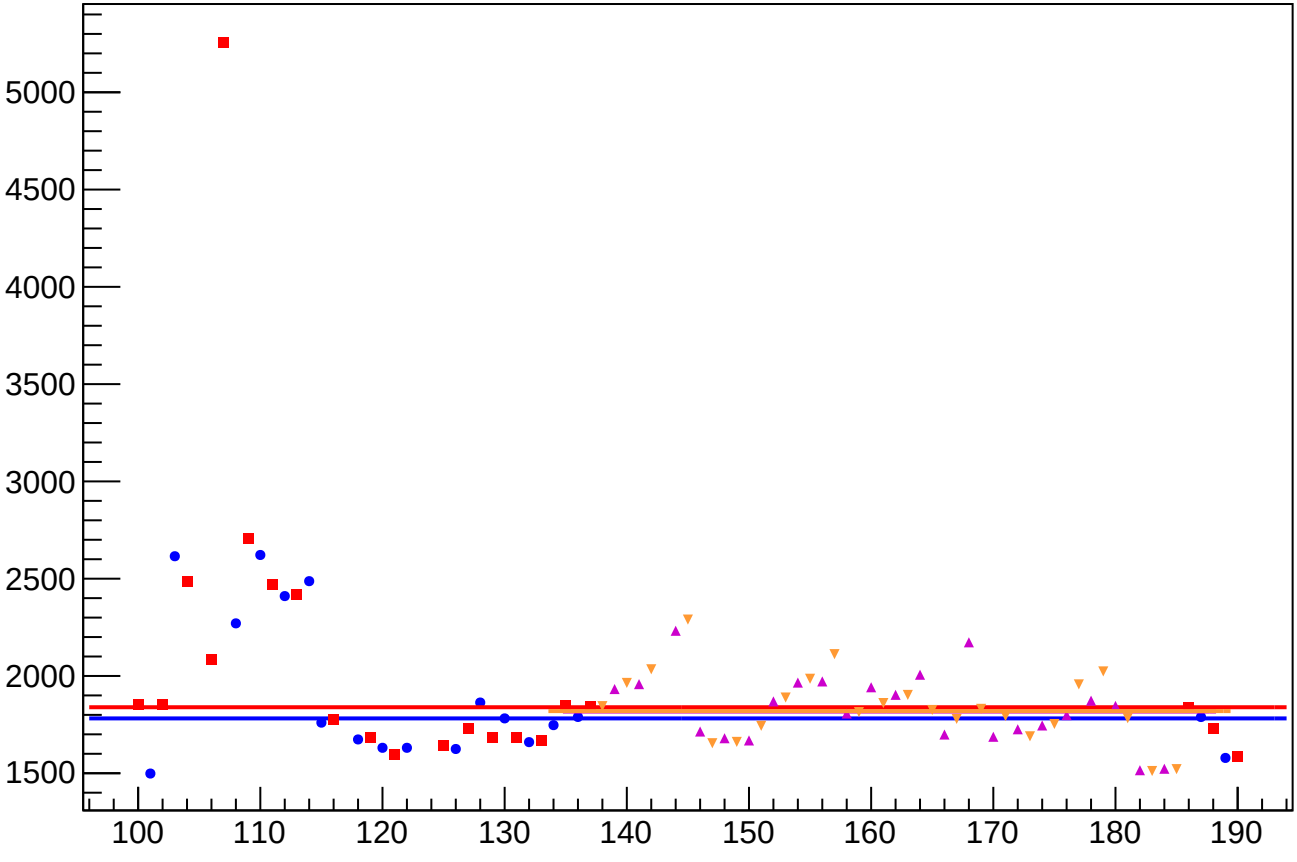
Right: 1979.680+/-446.513 χ^2/NDF: 41.3/38

In: 1843.645+/-354.919 χ^2/NDF:30.2/40

Out: 1618.840+/-350.816 χ^2/NDF:56.4/44

All: 1729.936+/-249.502 χ^2/NDF: 86.8/85

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1781.849+/-0.453 χ^2/NDF: 419900.6/17

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1839.258+/-0.441 χ^2/NDF: 599807.0/20

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

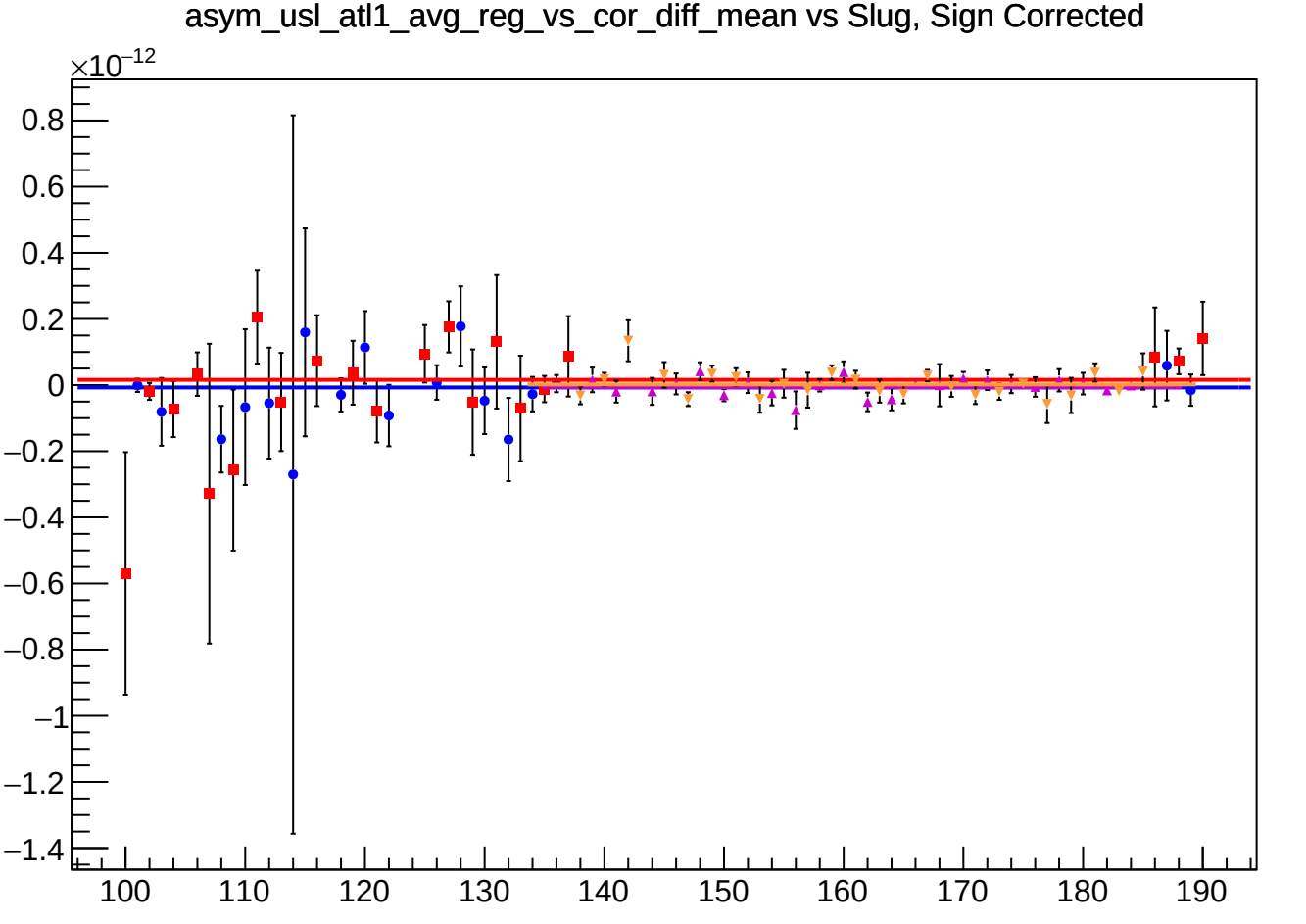
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

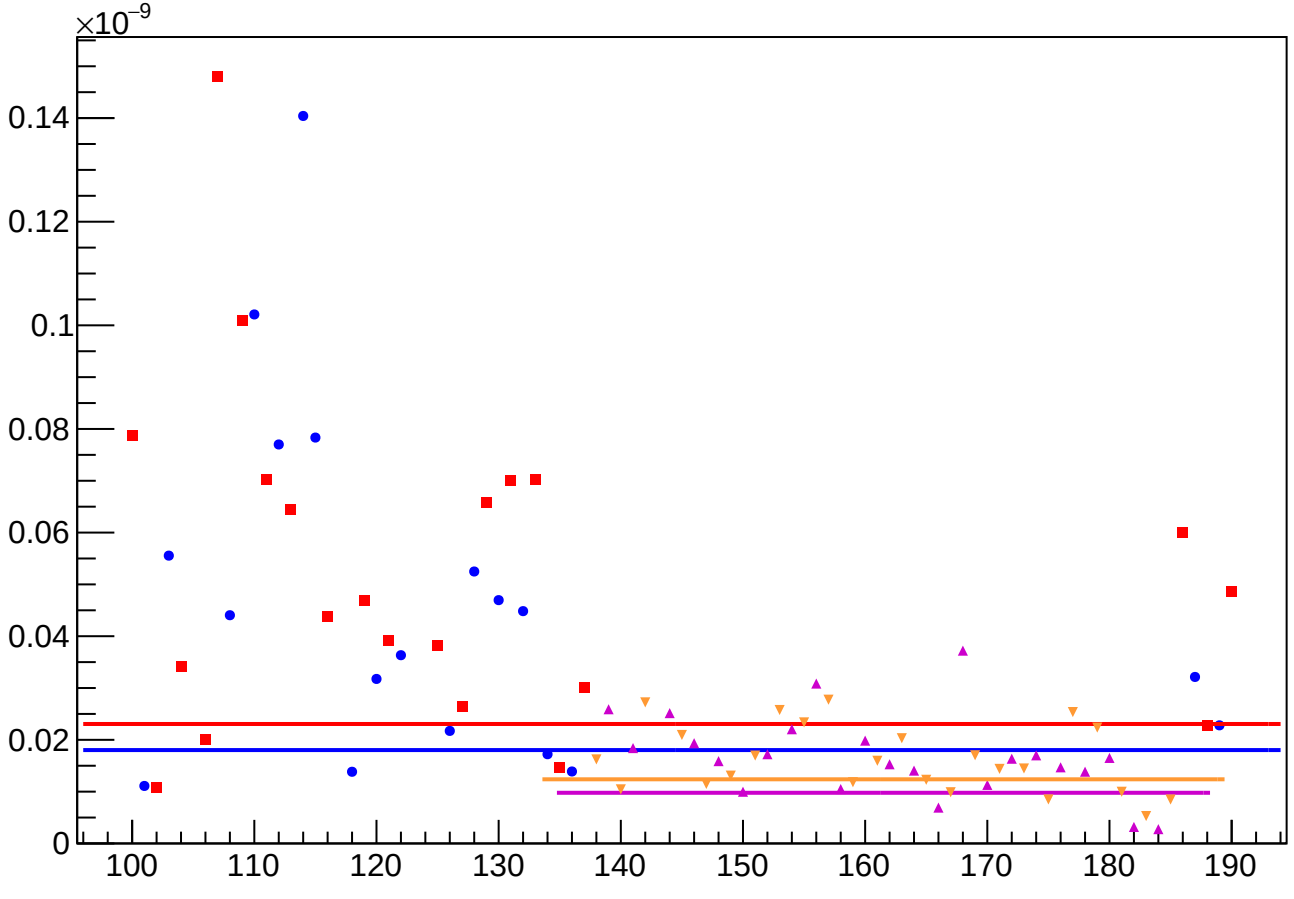
Right: 1811.322+/-0.316 χ^2/NDF: 1027967.0/38

In: 1806.291+/-0.251 χ^2/NDF:731214.5/40

Out: 1825.705+/-0.248 χ^2/NDF:896206.8/44

All: 1816.111+/-0.176 χ^2/NDF: 1630448.2/85


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.7/17
Left Out: 0.000+/-0.000 χ²/NDF:29.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/20
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 48.5/46
Right: 0.000+/-0.000 χ²/NDF: 33.0/38
In: -0.000+/-0.000 χ²/NDF:28.6/40
Out: 0.000+/-0.000 χ²/NDF:51.0/44
All: -0.000+/-0.000 χ²/NDF: 81.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1900342.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2334274.4/20

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

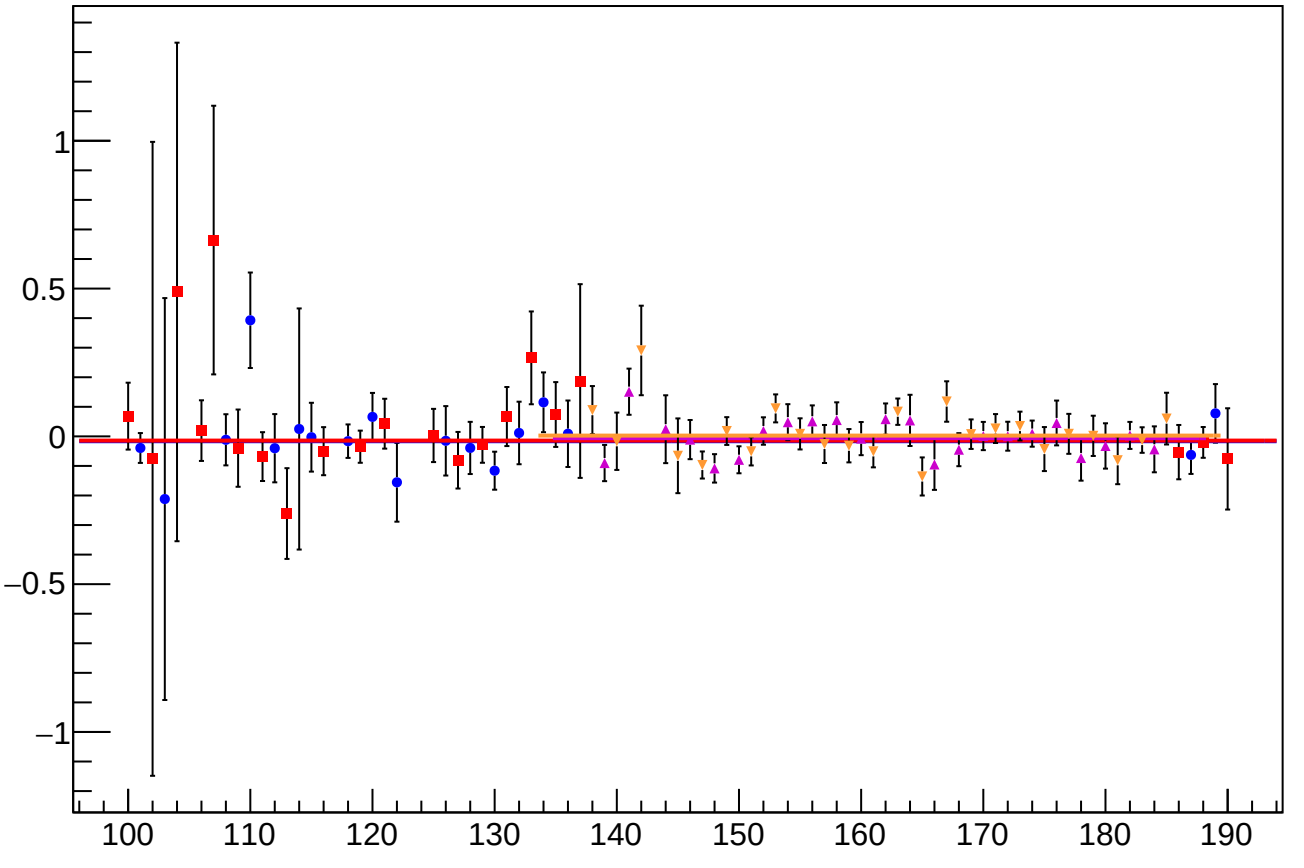
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4362380.5/38

In: 0.000+/-0.000 χ^2/NDF:7157871.5/40

Out: 0.000+/-0.000 χ^2/NDF:5086653.7/44

All: 0.000+/-0.000 χ^2/NDF: 12584369.4/85



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.014+/-0.021 χ^2/NDF: 12.8/20

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

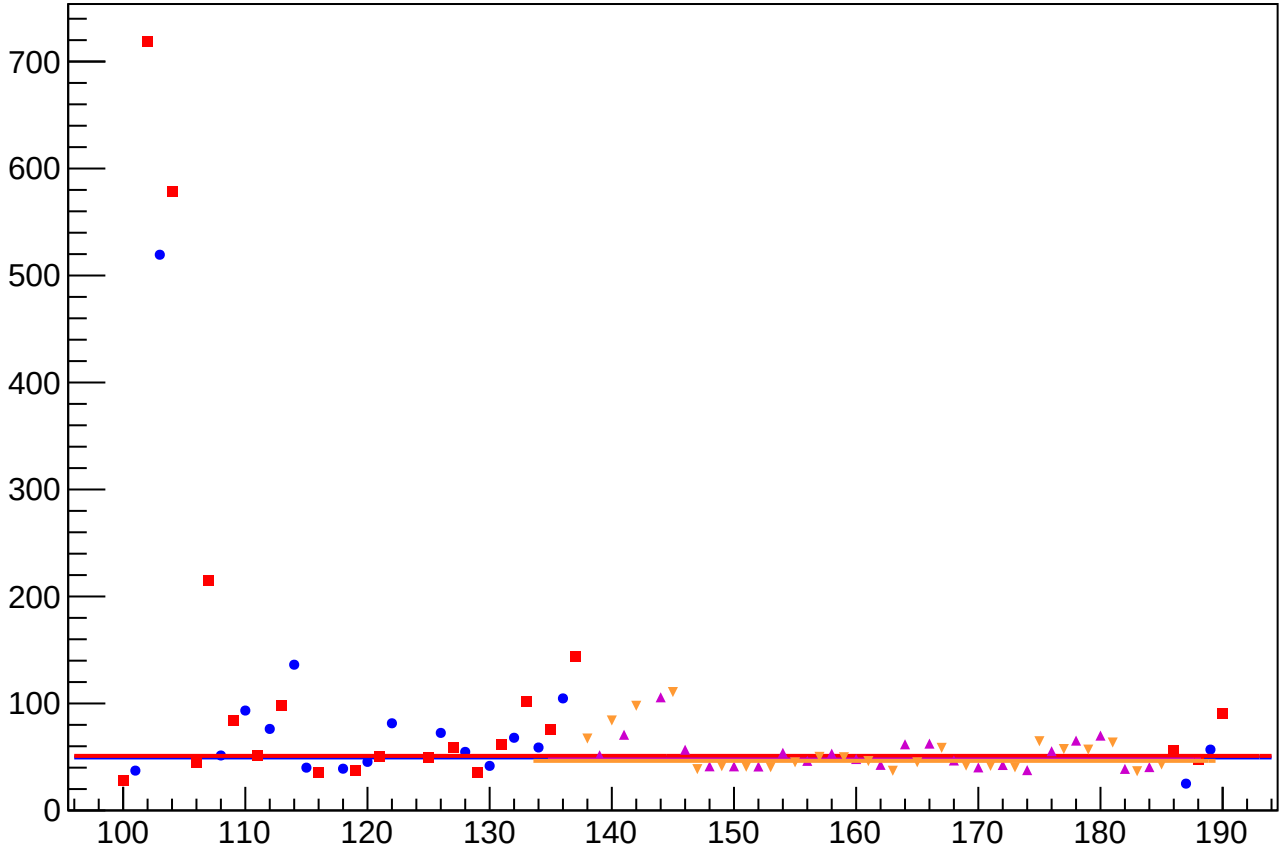
Right: -0.015+/-0.015 χ^2/NDF: 27.5/38

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.002+/-0.010 χ^2/NDF:43.2/44

All: -0.005+/-0.007 χ^2/NDF: 79.9/85

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.543+/-0.015 χ^2/NDF: 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.013+/-0.015 χ^2/NDF: 3171010.1/20

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

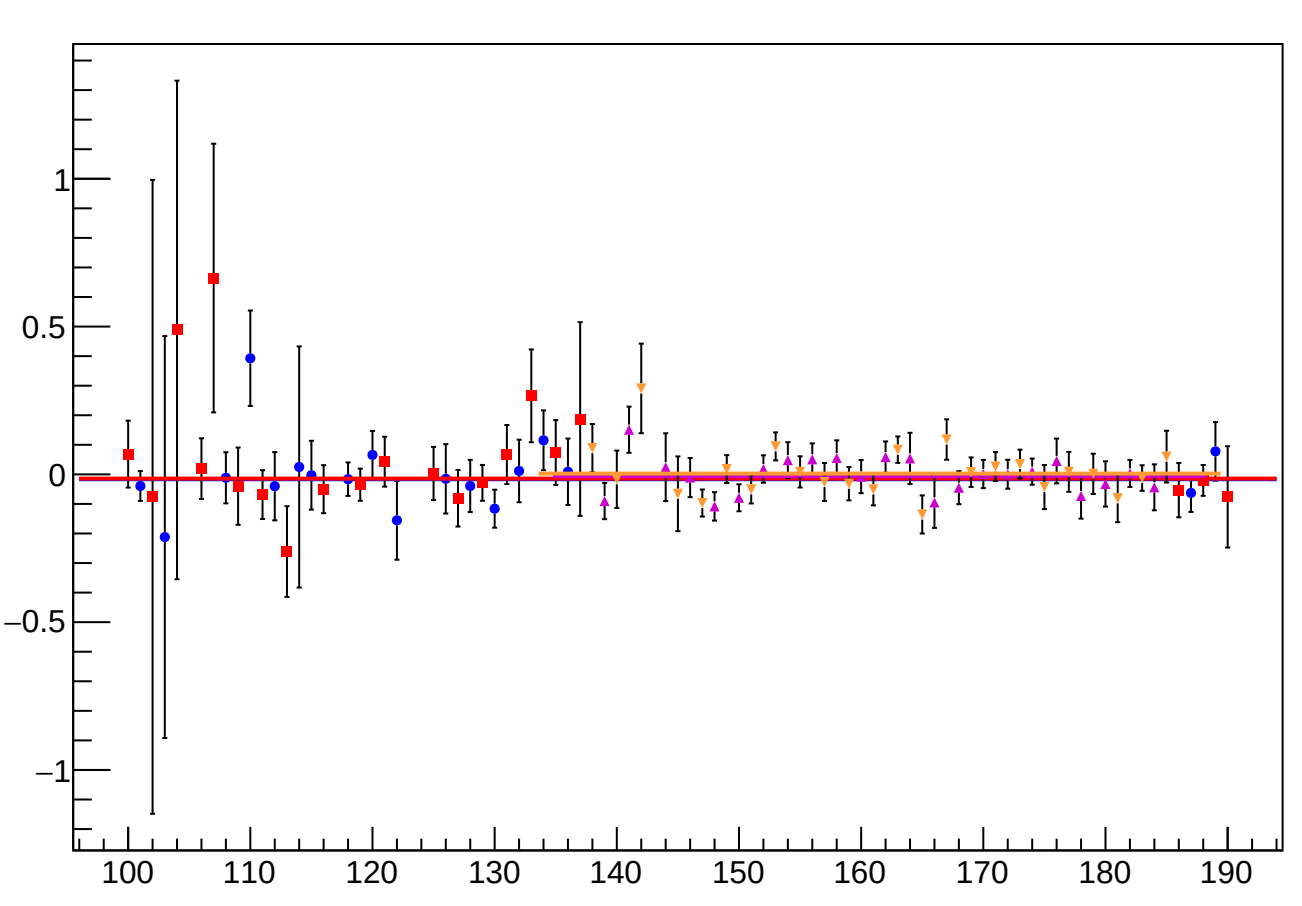
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.282+/-0.010 χ^2/NDF: 5770653.6/38

In: 48.072+/-0.007 χ^2/NDF:4184148.2/40

Out: 47.504+/-0.007 χ^2/NDF:5214536.1/44

All: 47.783+/-0.005 χ^2/NDF: 9401663.3/85



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.014+/-0.021 χ^2/NDF: 12.8/20

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

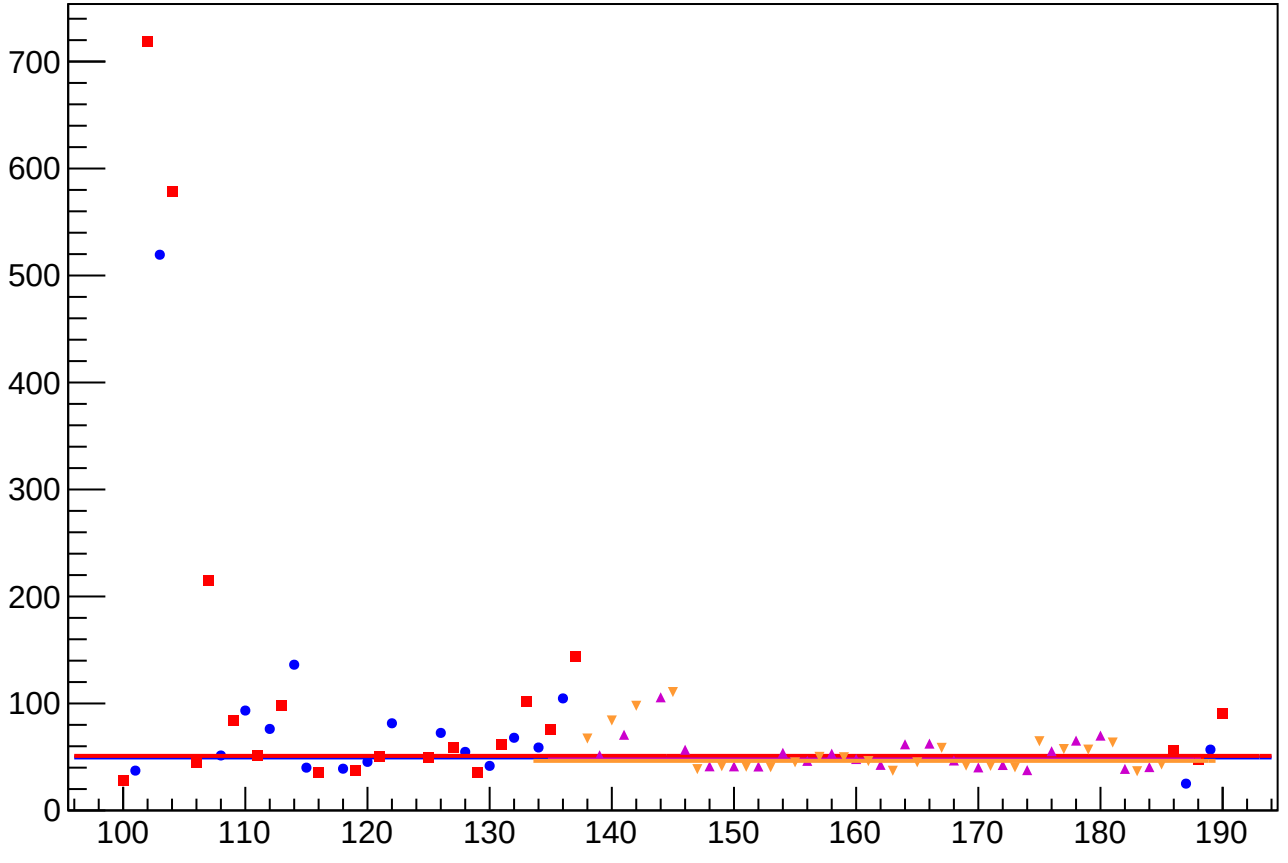
Right: -0.015+/-0.015 χ^2/NDF: 27.5/38

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.002+/-0.010 χ^2/NDF:43.2/44

All: -0.005+/-0.007 χ^2/NDF: 79.9/85

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.543+/-0.015 χ^2/NDF: 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.013+/-0.015 χ^2/NDF: 3171010.1/20

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

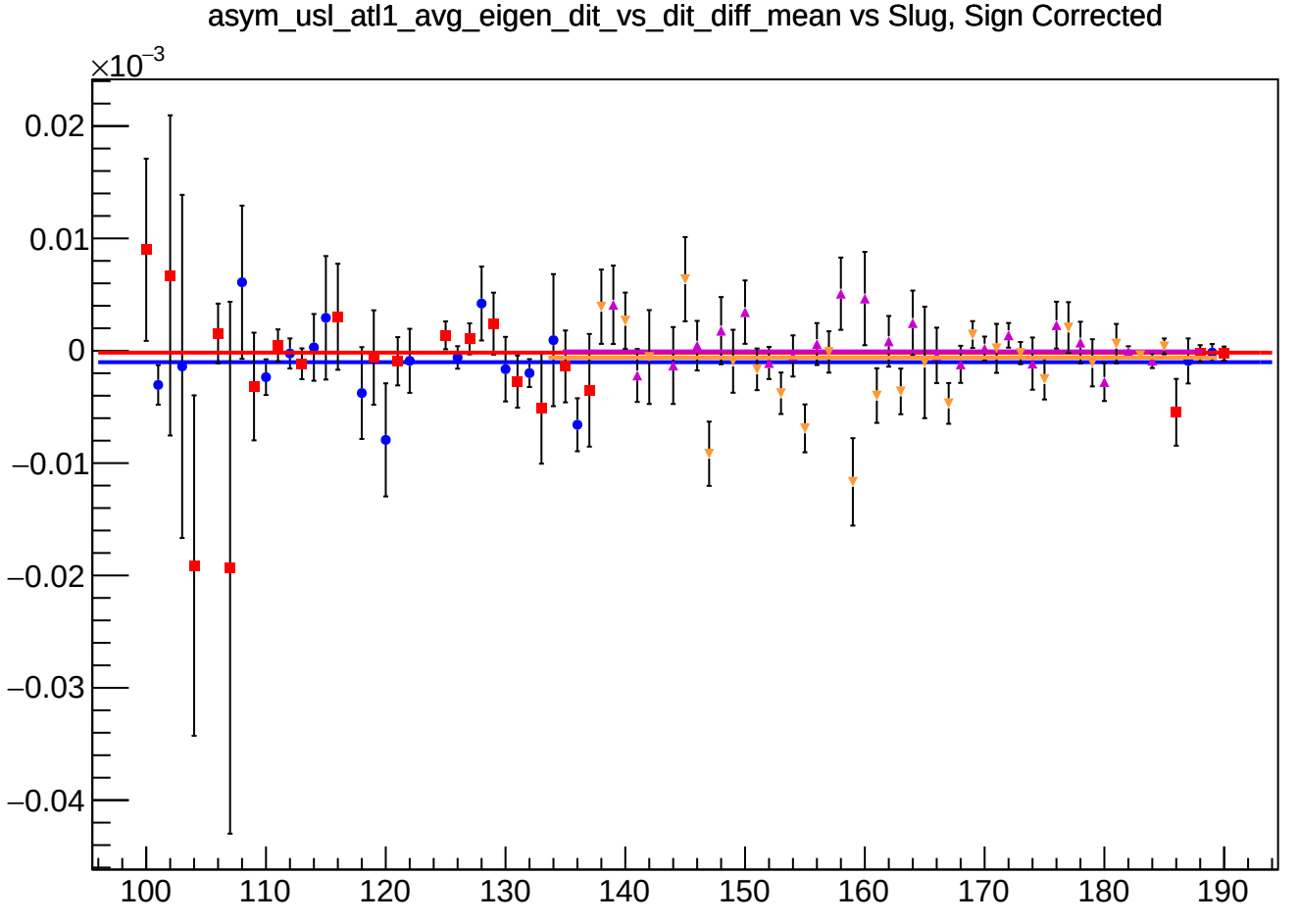
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

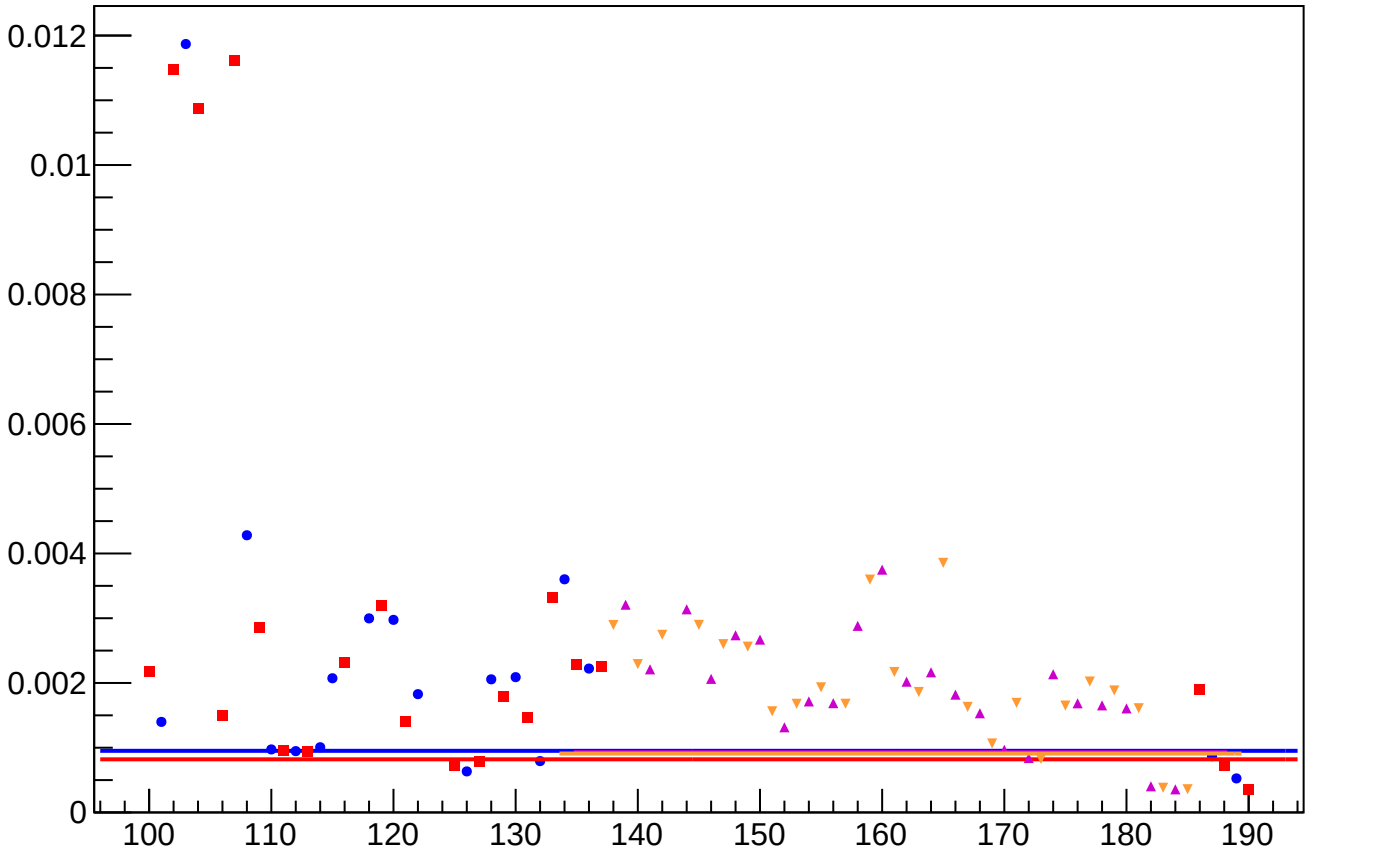
Right: 50.282+/-0.010 χ^2/NDF: 5770653.6/38

In: 48.072+/-0.007 χ^2/NDF:4184148.2/40

Out: 47.504+/-0.007 χ^2/NDF:5214536.1/44

All: 47.783+/-0.005 χ^2/NDF: 9401663.3/85


asym_usl_atl1_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.8/17
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 15.1/20
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 73.8/46
Right: -0.000+/-0.000 χ²/NDF: 34.3/38
In: -0.000+/-0.000 χ²/NDF:38.3/40
Out: -0.000+/-0.000 χ²/NDF:70.0/44
All: -0.000+/-0.000 χ²/NDF: 108.4/85



Right In: 0.001+/-0.000 χ^2/NDF: 5107853.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6894864.1/20

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

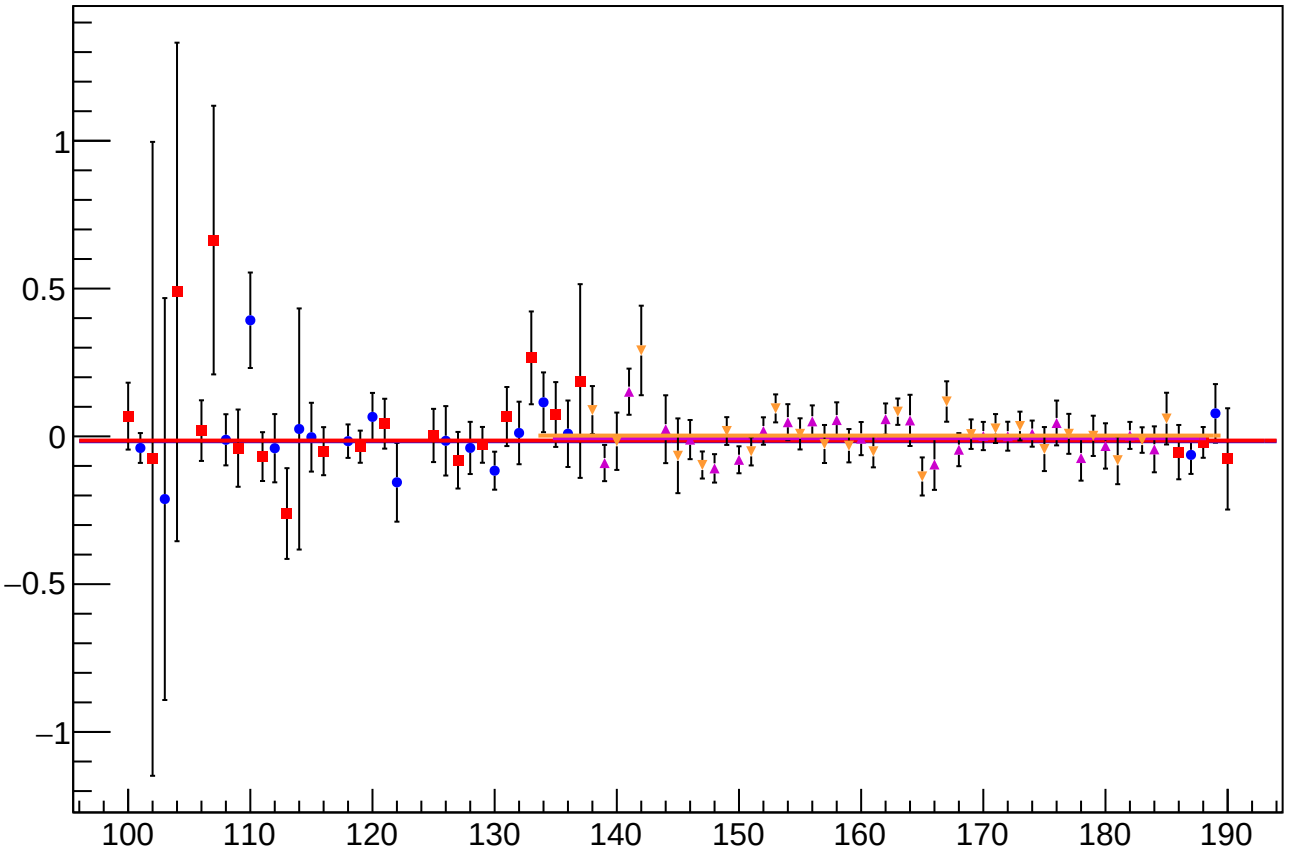
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 12115380.8/38

In: 0.001+/-0.000 χ^2/NDF:18802405.4/40

Out: 0.001+/-0.000 χ^2/NDF:21109354.7/44

All: 0.001+/-0.000 χ^2/NDF: 39982673.4/85



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.014+/-0.021 χ^2/NDF: 12.8/20

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

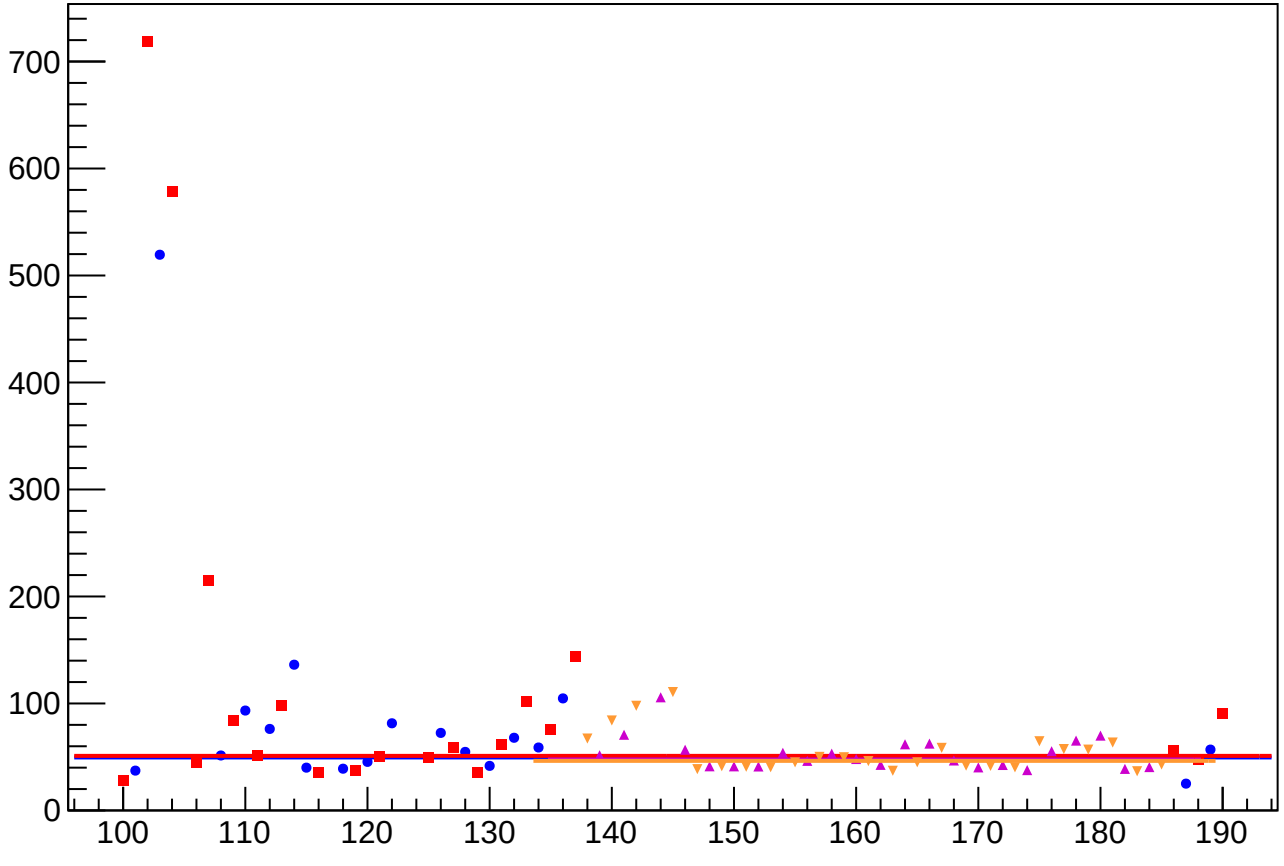
Right: -0.015+/-0.015 χ^2/NDF: 27.5/38

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.002+/-0.010 χ^2/NDF:43.2/44

All: -0.005+/-0.007 χ^2/NDF: 79.9/85

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.013+/-0.015 χ^2/NDF: 3170994.0/20

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

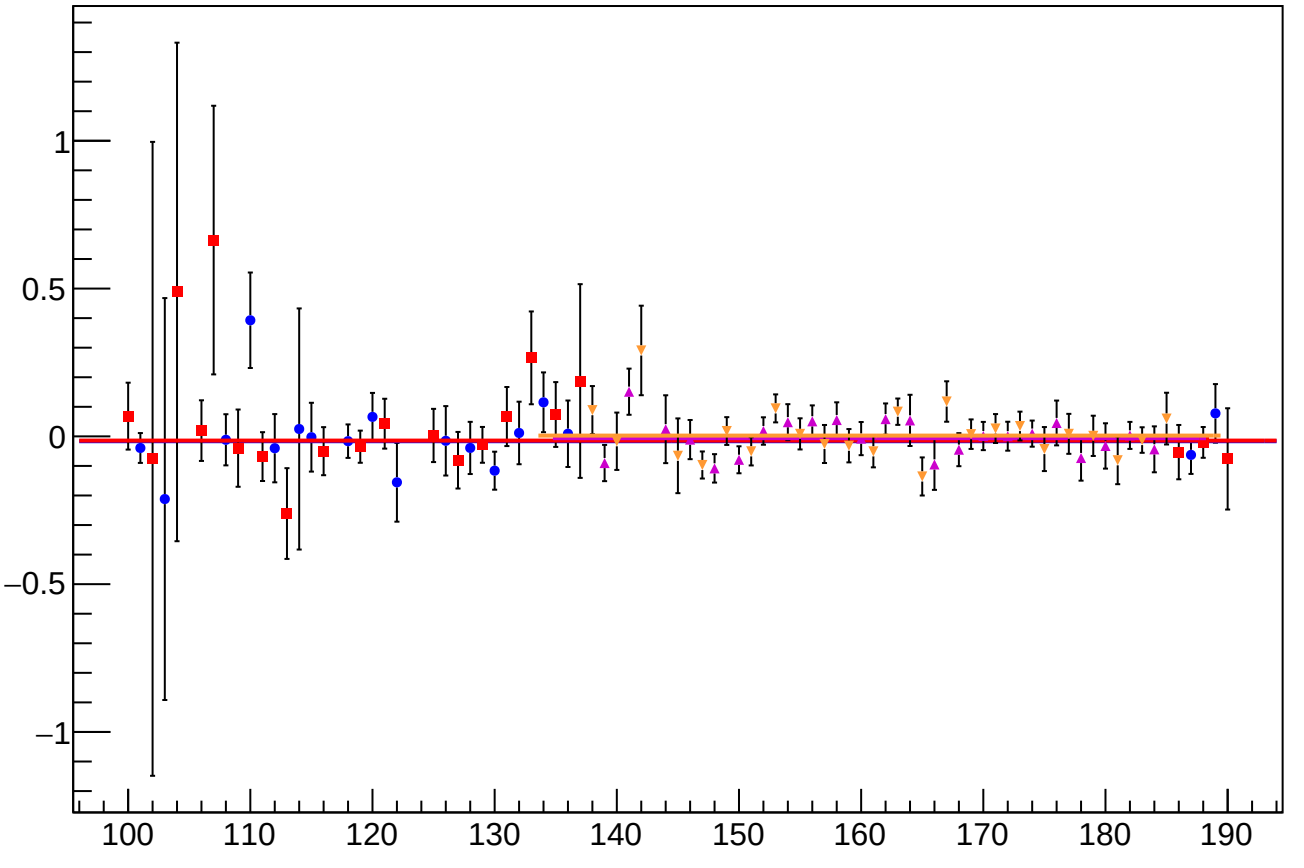
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.282+/-0.010 χ^2/NDF: 5770622.7/38

In: 48.072+/-0.007 χ^2/NDF:4184140.6/40

Out: 47.504+/-0.007 χ^2/NDF:5214496.8/44

All: 47.783+/-0.005 χ^2/NDF: 9401616.0/85



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.014+/-0.021 χ^2/NDF: 12.8/20

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

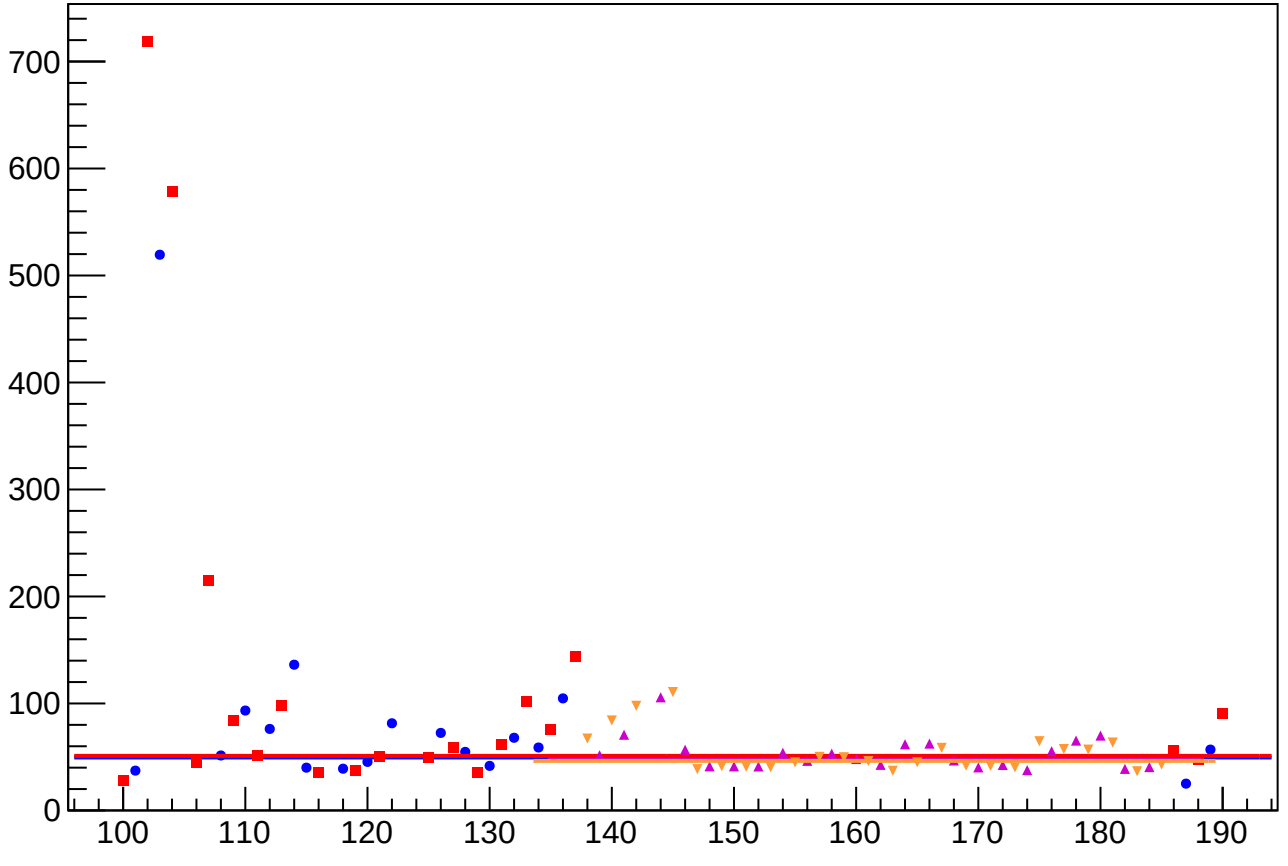
Right: -0.015+/-0.015 χ^2/NDF: 27.5/38

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.002+/-0.010 χ^2/NDF:43.2/44

All: -0.005+/-0.007 χ^2/NDF: 79.9/85

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.013+/-0.015 χ^2/NDF: 3170994.0/20

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

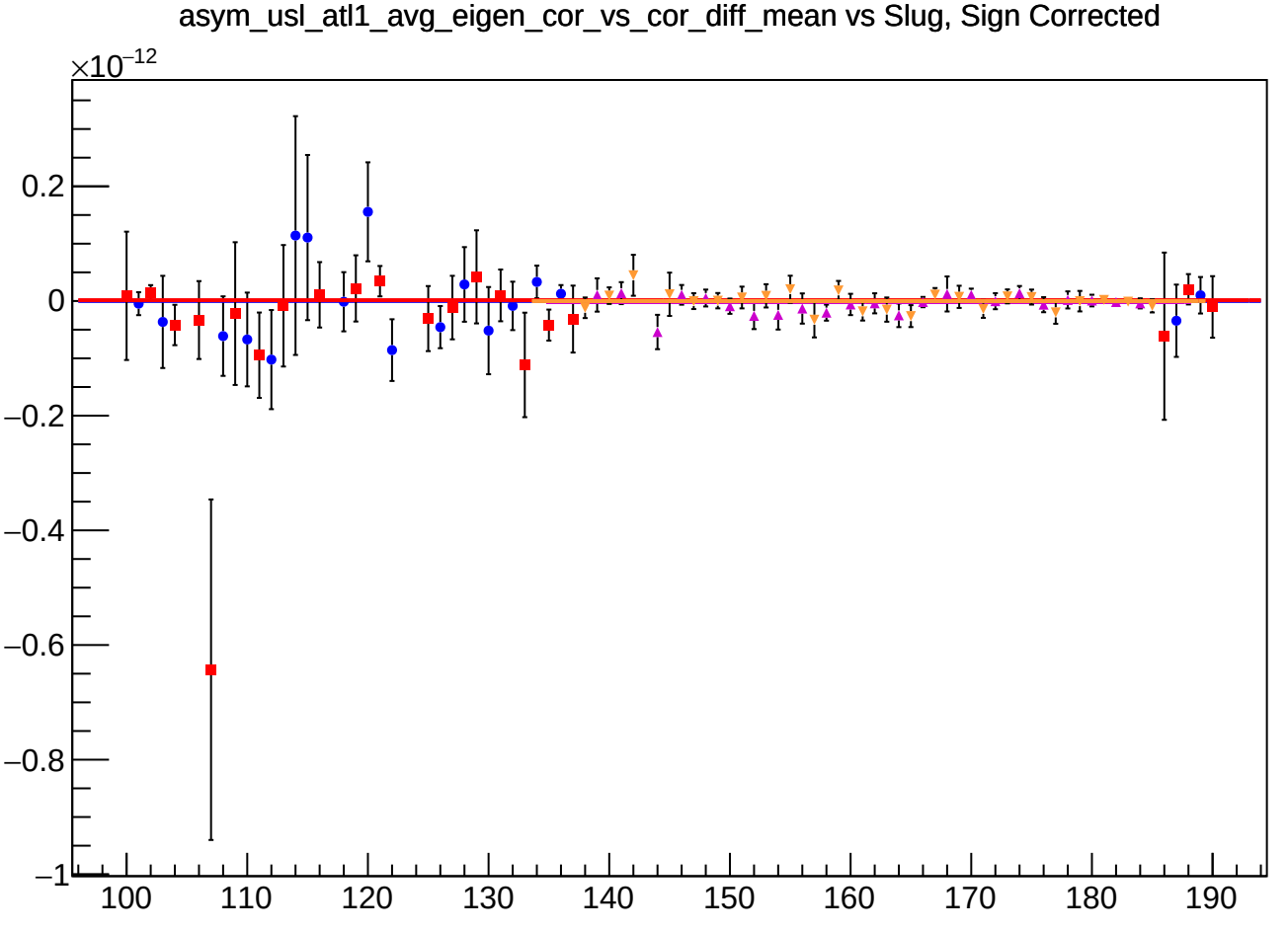
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.282+/-0.010 χ^2/NDF: 5770622.7/38

In: 48.072+/-0.007 χ^2/NDF:4184140.6/40

Out: 47.504+/-0.007 χ^2/NDF:5214496.8/44

All: 47.783+/-0.005 χ^2/NDF: 9401616.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/20

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

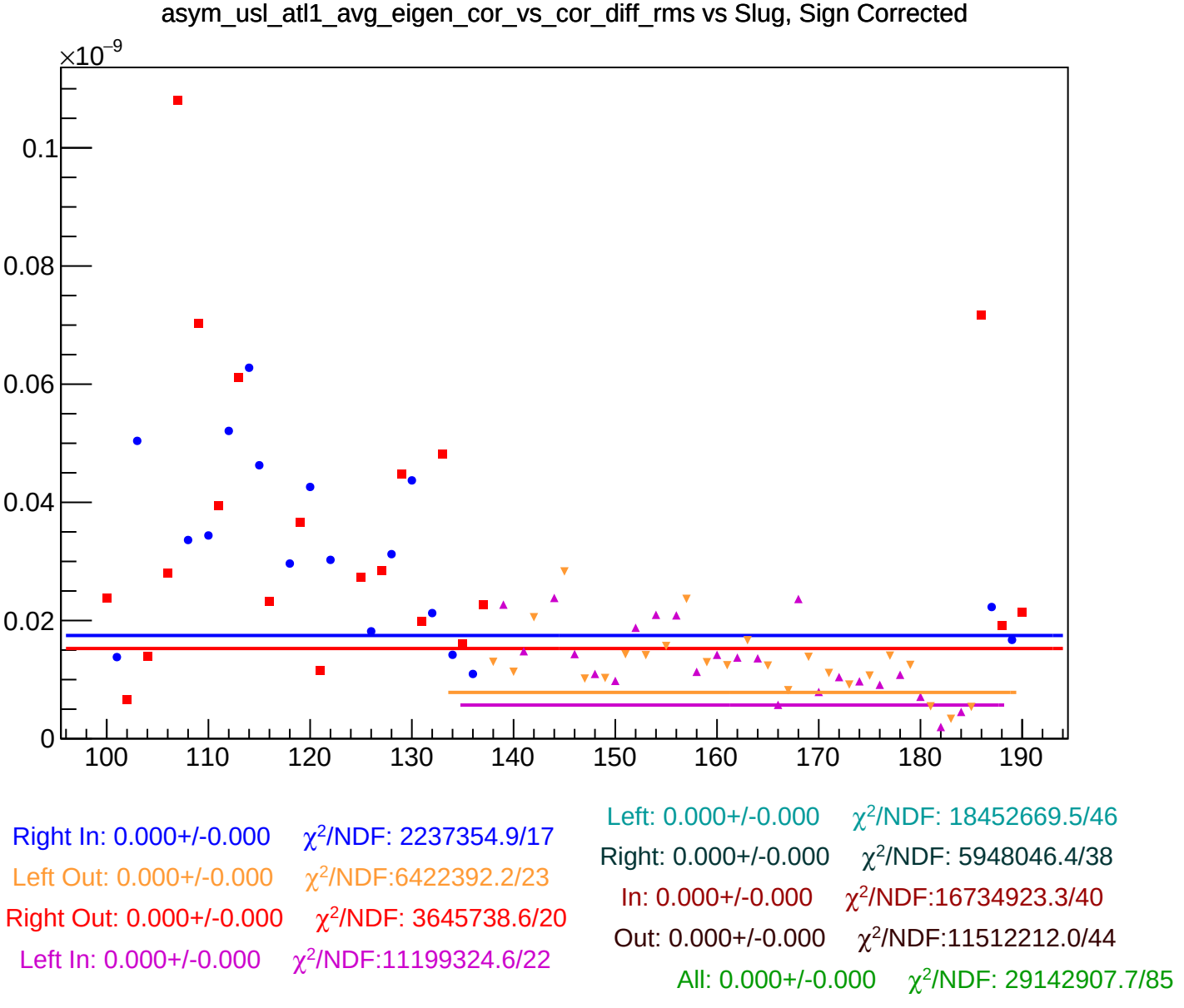
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 31.3/38

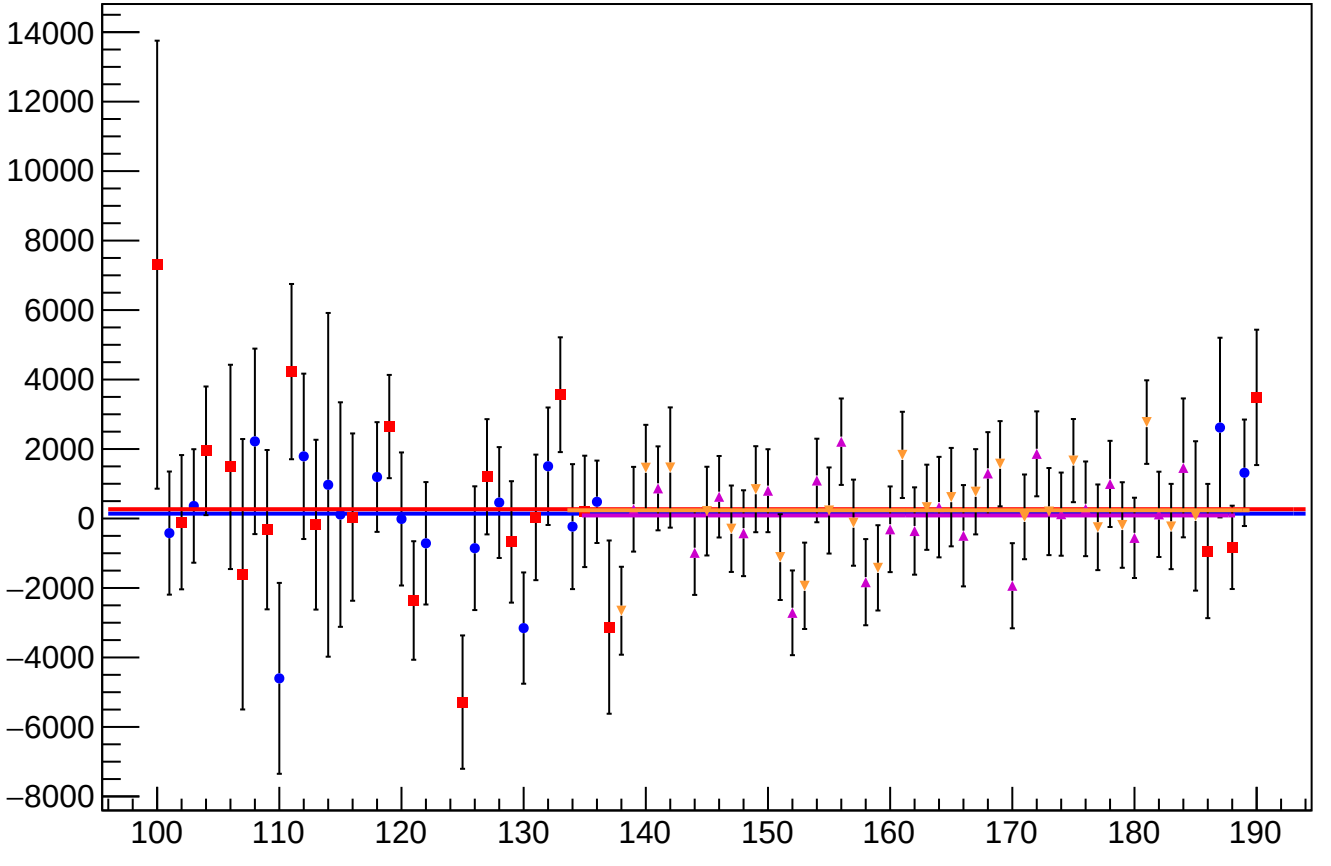
In: -0.000+/-0.000 χ^2/NDF:27.9/40

Out: 0.000+/-0.000 χ^2/NDF:30.7/44

All: -0.000+/-0.000 χ^2/NDF: 58.9/85


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2237354.9/17
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3645738.6/20
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
Left: 0.000+/-0.000 χ²/NDF: 18452669.5/46
Right: 0.000+/-0.000 χ²/NDF: 5948046.4/38
In: 0.000+/-0.000 χ²/NDF:16734923.3/40
Out: 0.000+/-0.000 χ²/NDF:11512212.0/44
All: 0.000+/-0.000 χ²/NDF: 29142907.7/85

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 140.043+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 267.632+/-420.343 χ^2/NDF: 28.7/20

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

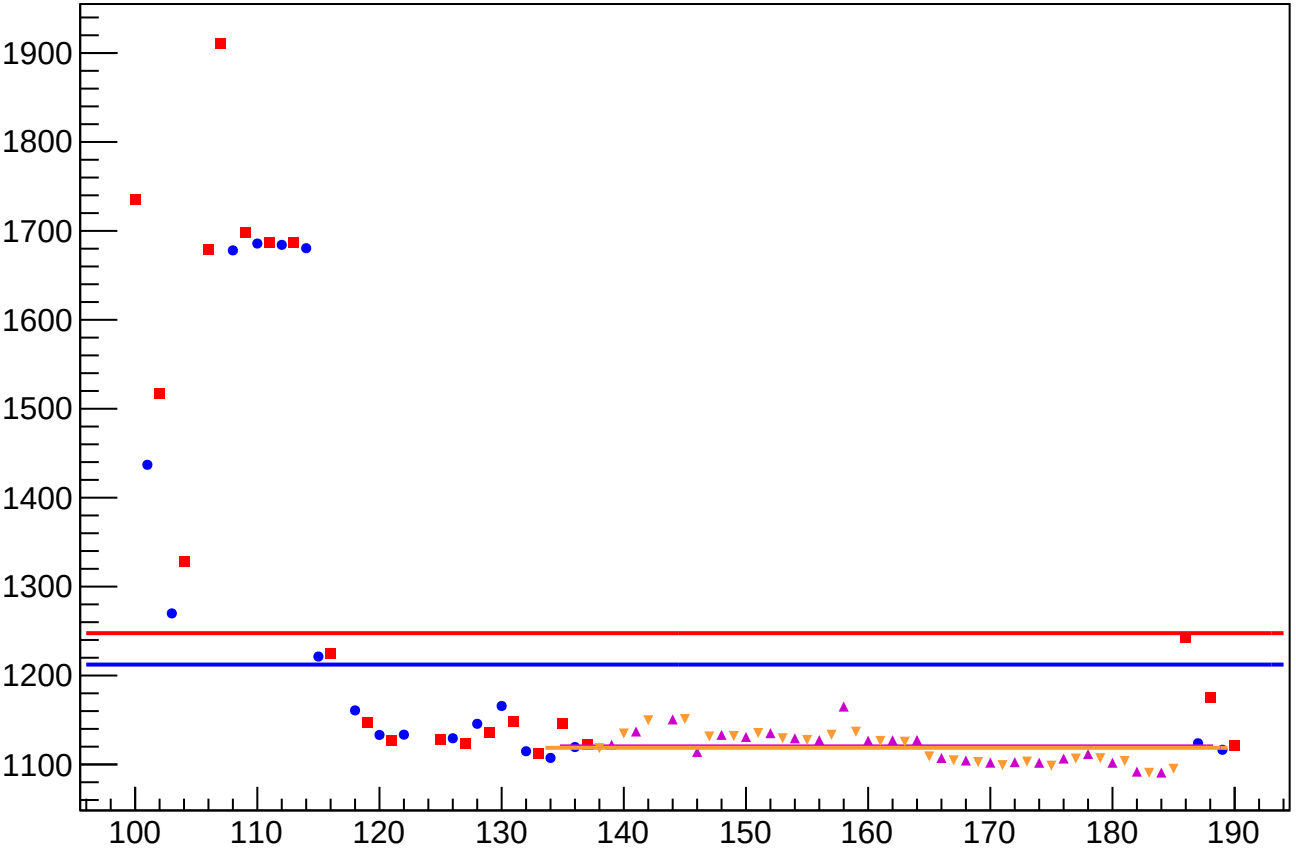
Right: 205.827+/-301.828 χ^2/NDF: 40.6/38

In: 102.164+/-224.002 χ^2/NDF:32.7/40

Out: 245.172+/-220.915 χ^2/NDF:51.5/44

All: 174.660+/-157.290 χ^2/NDF: 84.3/85

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1247.636+/-0.297 χ^2/NDF: 451792.0/20

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

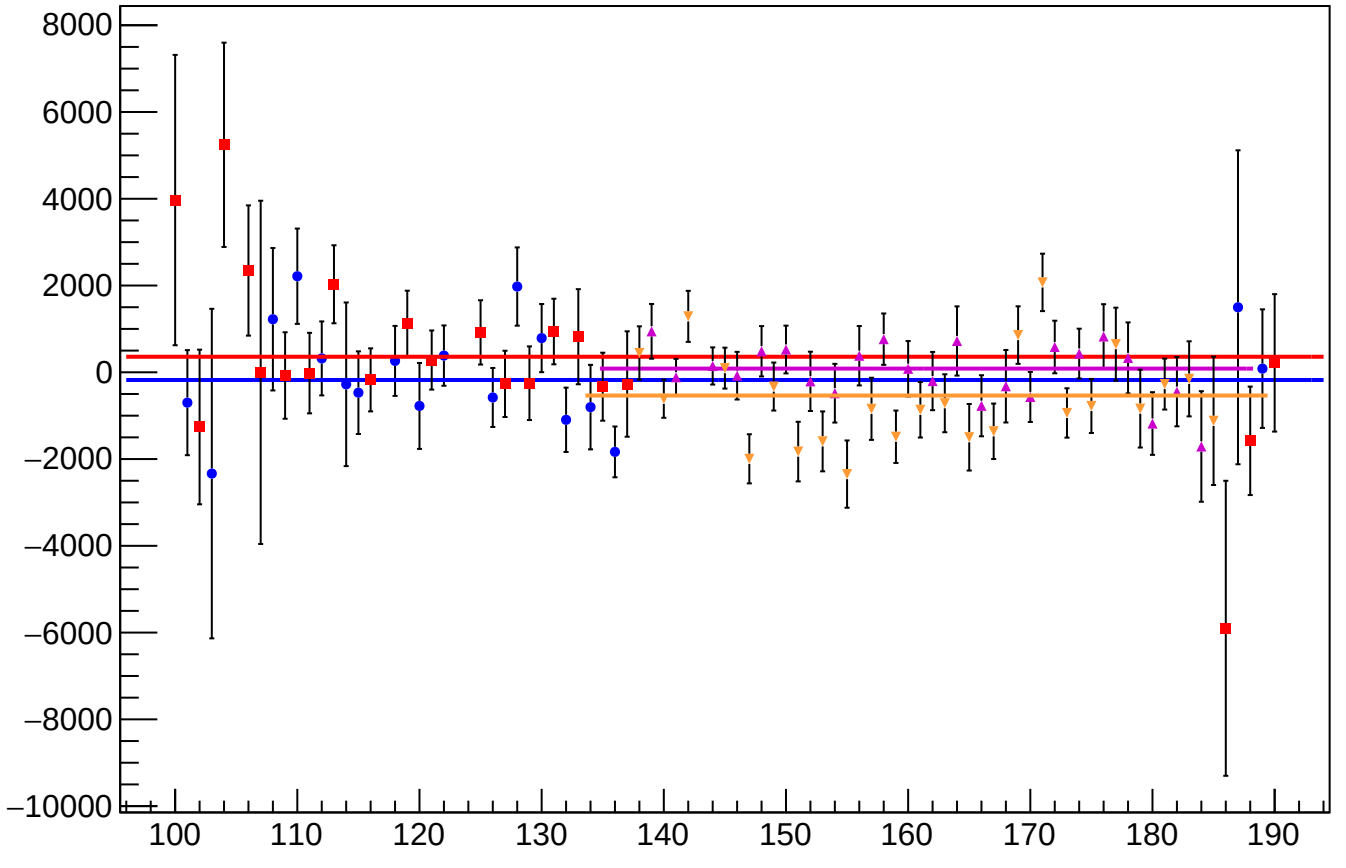
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1230.524+/-0.213 χ^2/NDF: 764990.2/38

In: 1144.855+/-0.158 χ^2/NDF:381836.0/40

Out: 1154.338+/-0.156 χ^2/NDF:596127.3/44

All: 1149.662+/-0.111 χ^2/NDF: 979780.2/85



Right In: -177.316+/-219.559 χ^2/NDF: 25.5/17

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 358.256+/-217.198 χ^2/NDF: 22.8/20

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

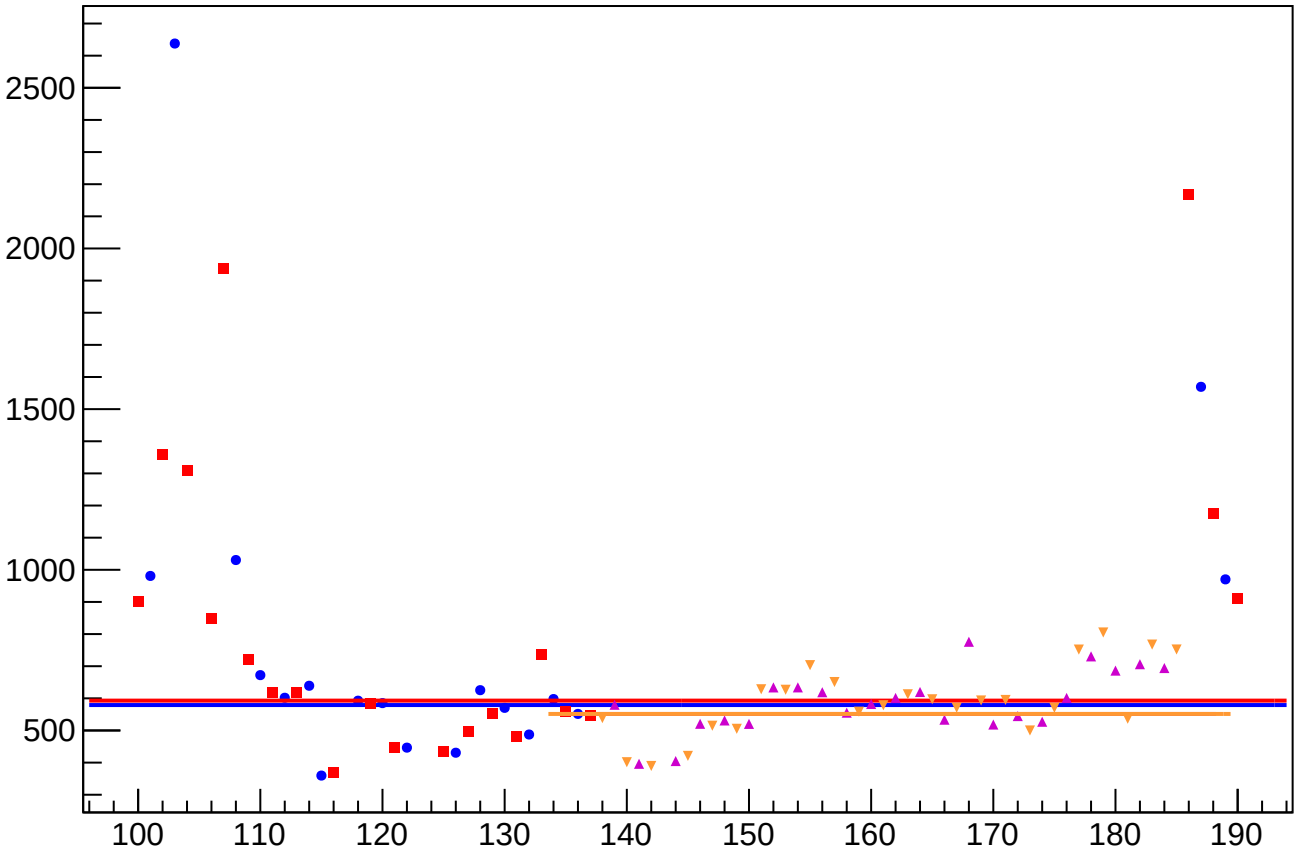
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 93.364+/-154.410 χ^2/NDF: 51.3/38

In: 16.347+/-112.476 χ^2/NDF:43.7/40

Out: -298.338+/-111.954 χ^2/NDF:96.8/44

All: -141.727+/-79.347 χ^2/NDF: 144.4/85



Right In: 579.116+/-0.155 χ^2/NDF: 1606156.9/17

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 592.912+/-0.154 χ^2/NDF: 2336478.8/20

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

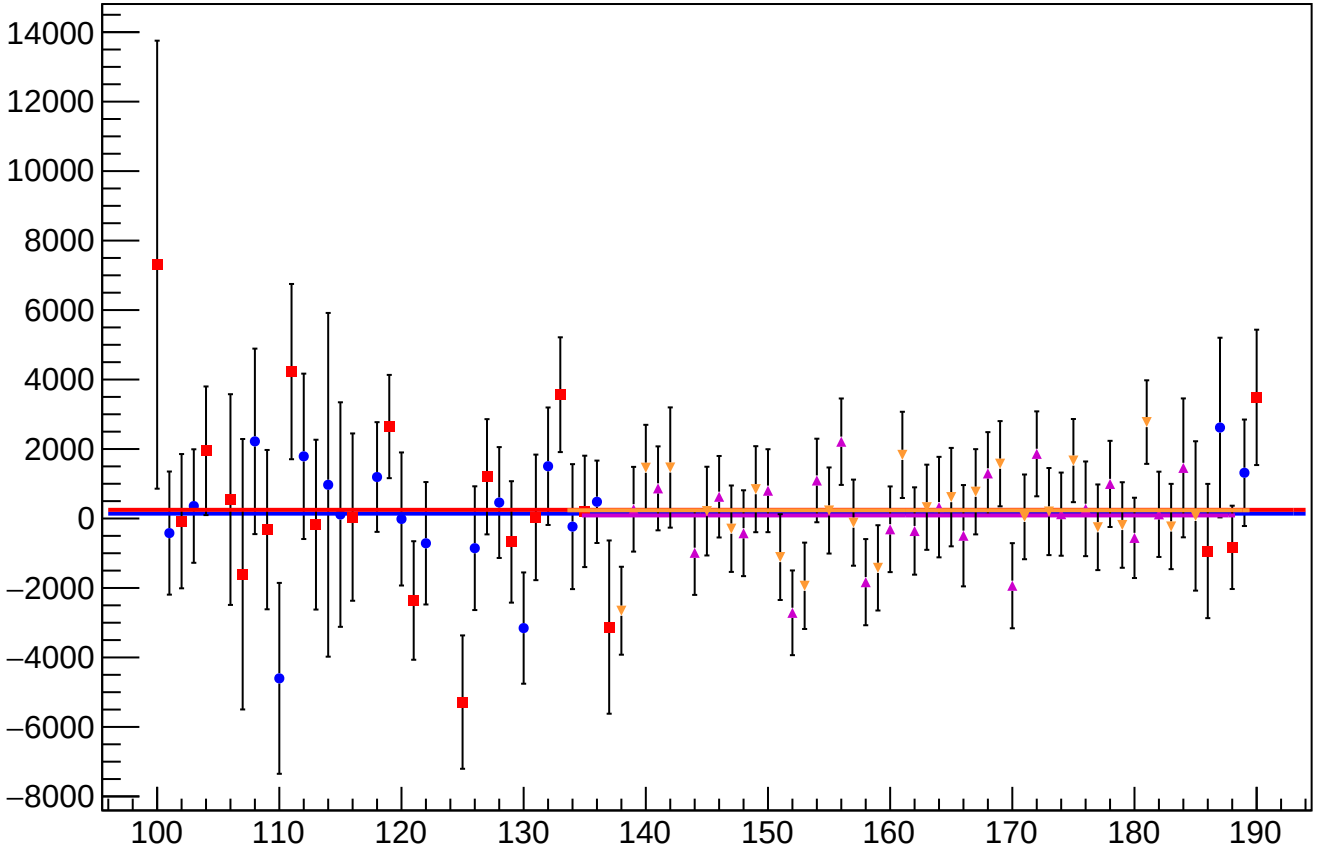
Right: 586.089+/-0.109 χ^2/NDF: 3946627.1/38

In: 558.626+/-0.080 χ^2/NDF:2691535.7/40

Out: 562.458+/-0.079 χ^2/NDF:3616640.7/44

All: 560.551+/-0.056 χ^2/NDF: 6309342.7/85

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 139.830+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 249.504+/-420.604 χ^2/NDF: 28.6/20

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

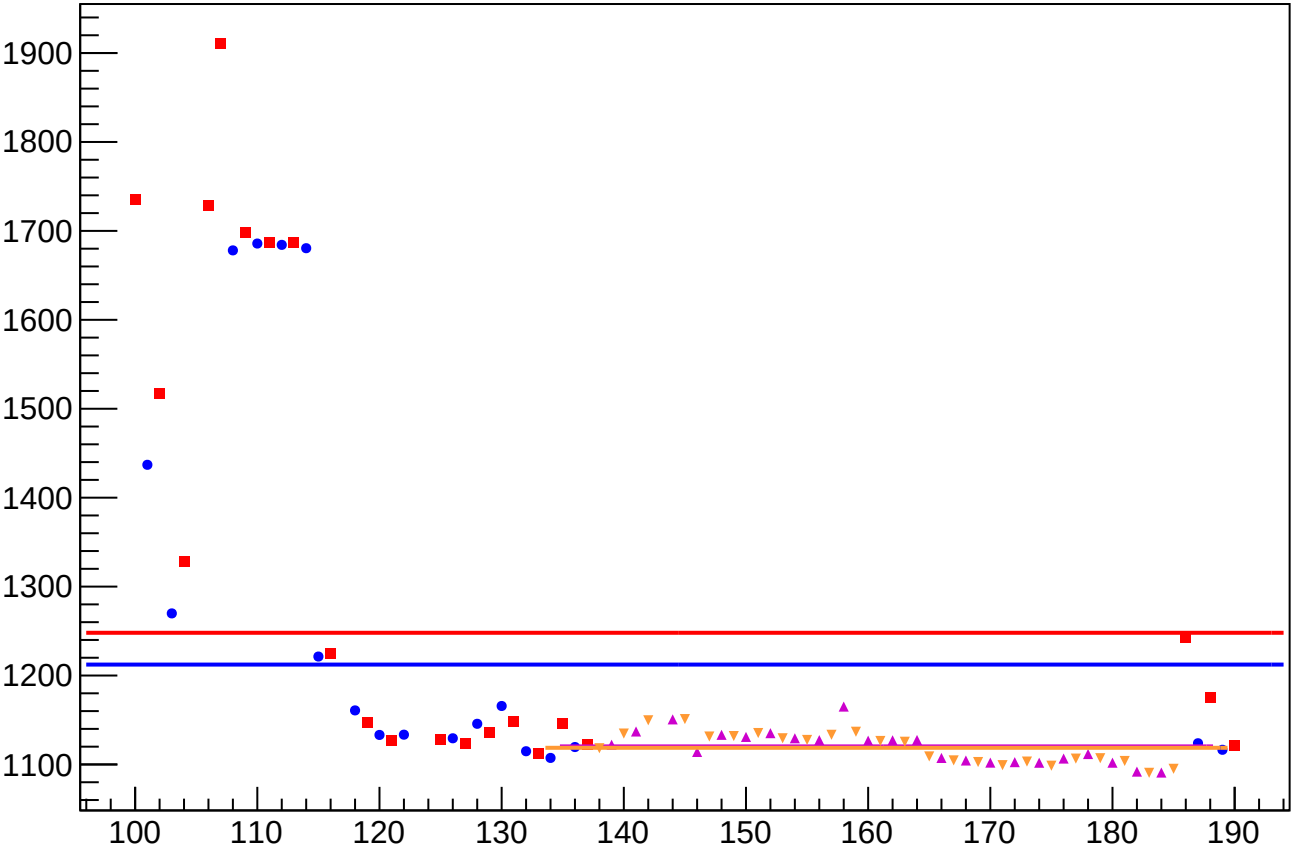
Right: 196.344+/-301.924 χ^2/NDF: 40.4/38

In: 102.100+/-224.002 χ^2/NDF:32.7/40

Out: 240.192+/-220.953 χ^2/NDF:51.3/44

All: 172.092+/-157.304 χ^2/NDF: 84.2/85

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1248.069+/-0.297 χ^2/NDF: 459122.6/20

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

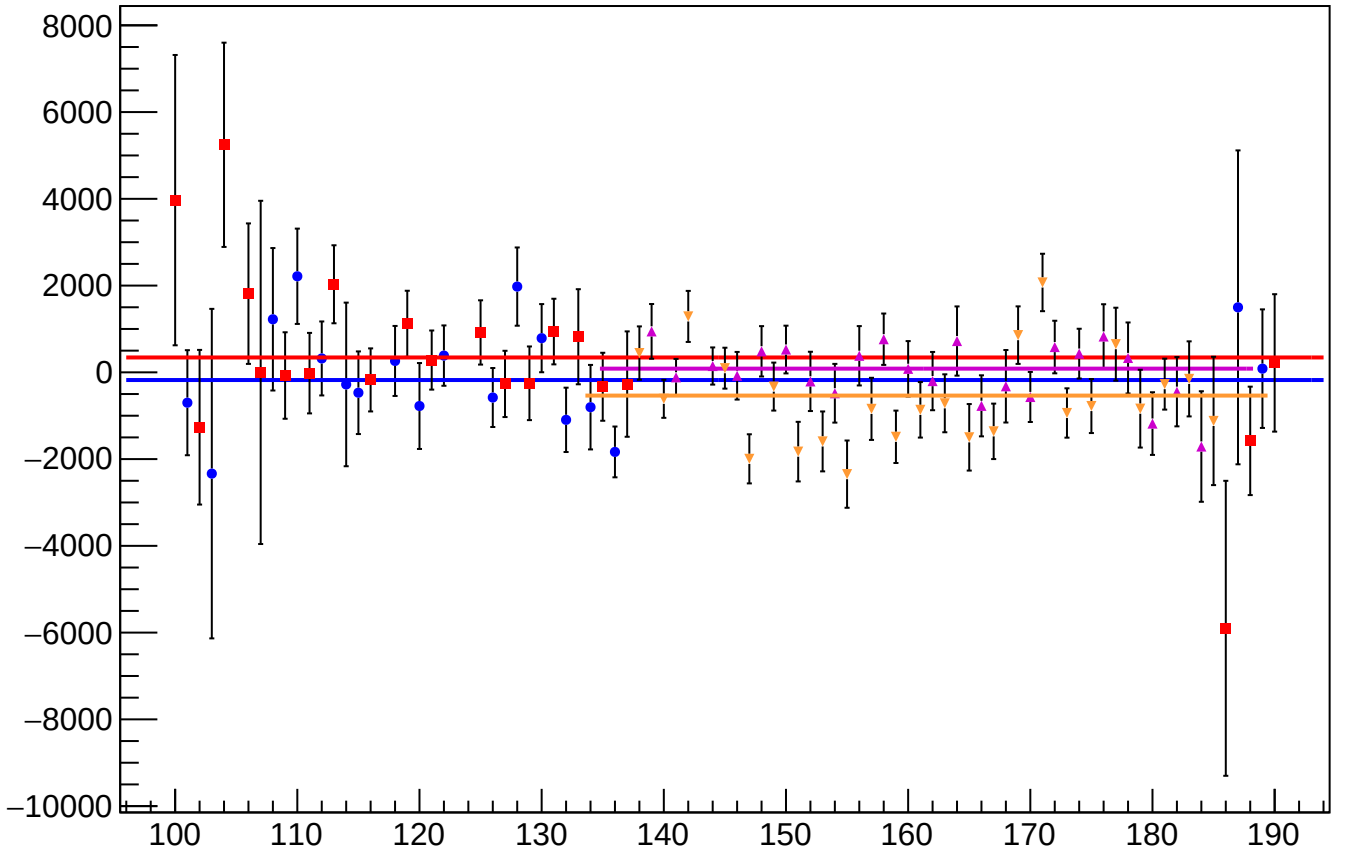
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1230.737+/-0.213 χ^2/NDF: 772485.4/38

In: 1144.855+/-0.158 χ^2/NDF:381836.0/40

Out: 1154.425+/-0.156 χ^2/NDF:604251.5/44

All: 1149.706+/-0.111 χ^2/NDF: 987937.8/85



Right In: -177.318+/-219.557 χ^2/NDF: 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 342.869+/-217.516 χ^2/NDF: 21.8/20

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

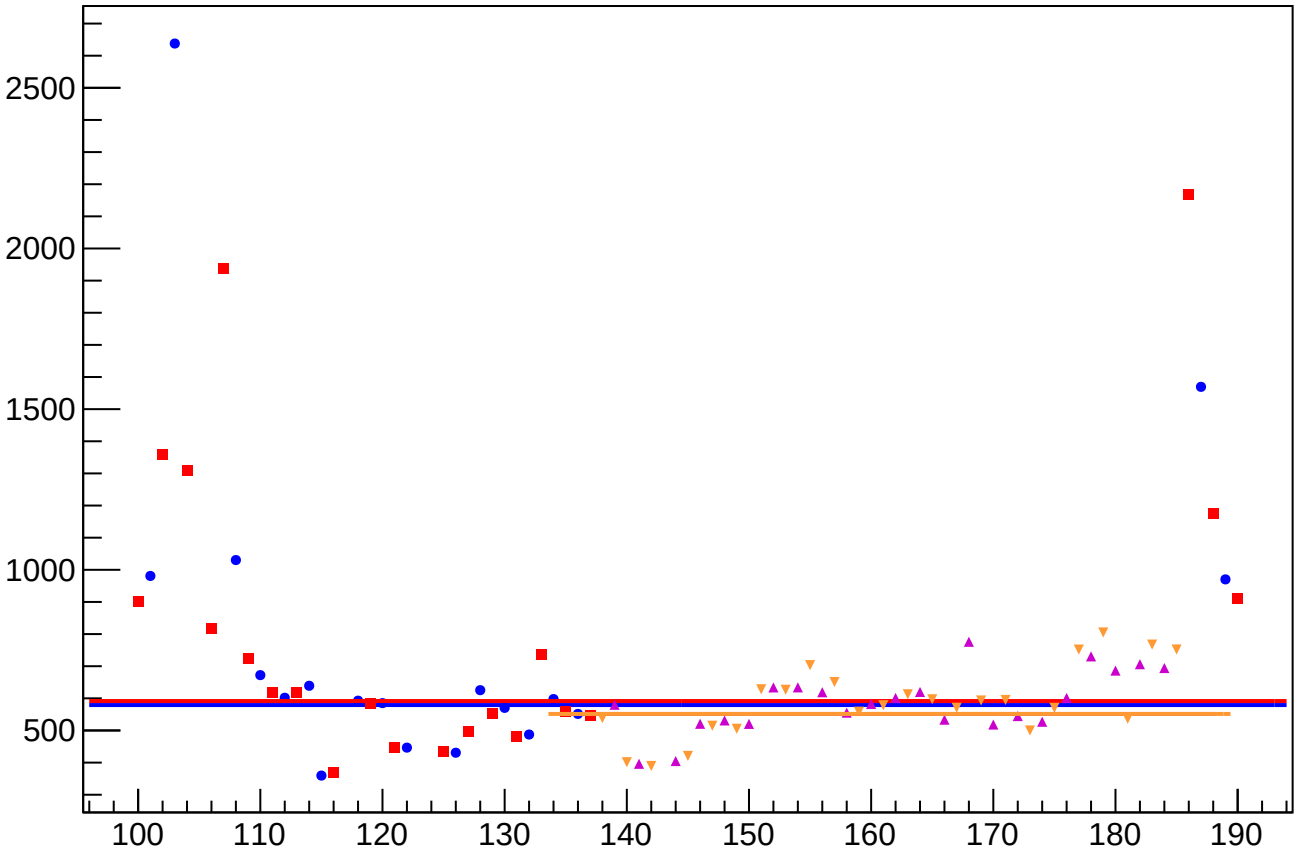
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 85.205+/-154.523 χ^2/NDF: 50.2/38

In: 16.338+/-112.475 χ^2/NDF:43.7/40

Out: -302.949+/-111.997 χ^2/NDF:95.4/44

All: -143.986+/-79.362 χ^2/NDF: 143.1/85



Right In: 579.111+/-0.155 χ^2/NDF: 1606137.8/17

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 591.599+/-0.154 χ^2/NDF: 2317254.7/20

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

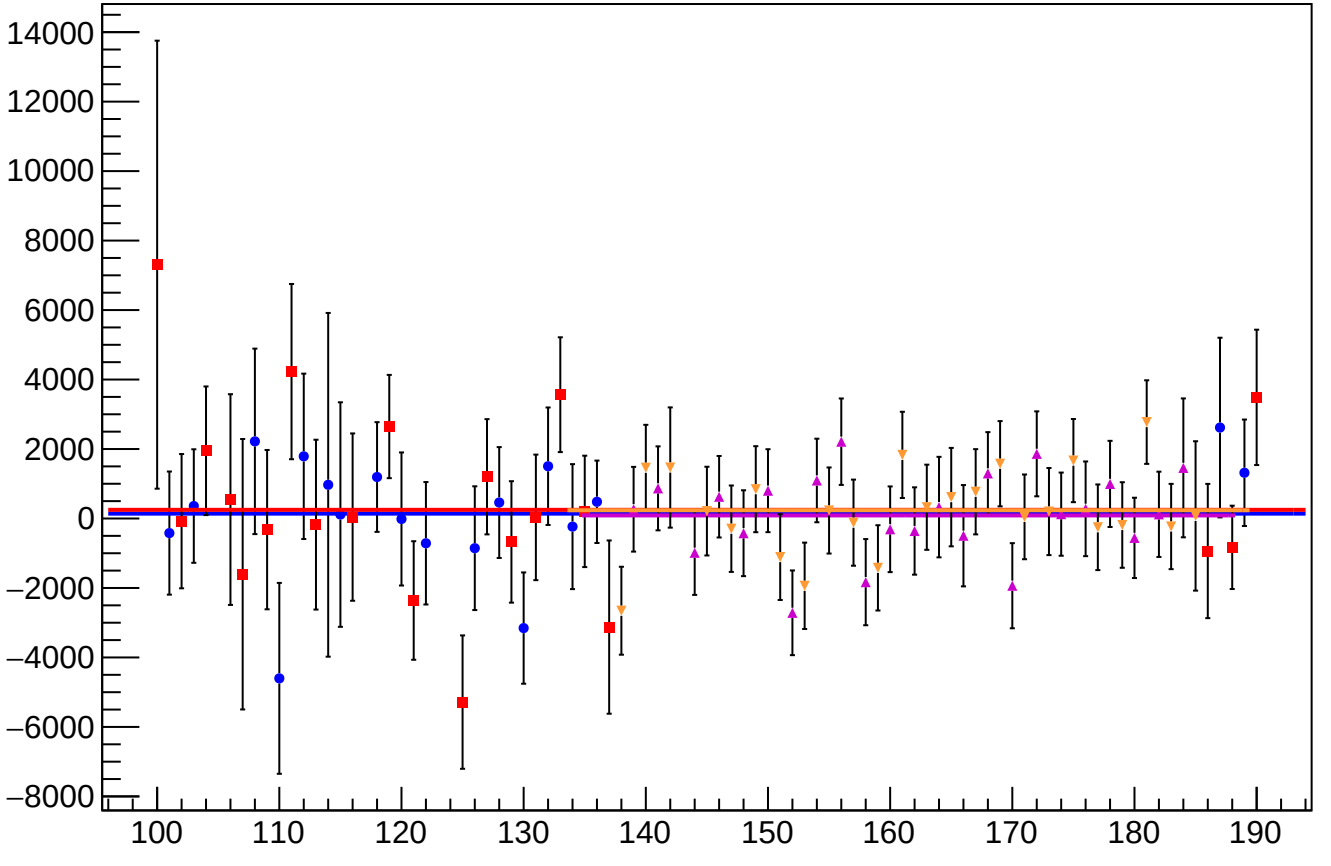
Right: 585.413+/-0.109 χ^2/NDF: 3926657.6/38

In: 558.625+/-0.080 χ^2/NDF:2691477.9/40

Out: 562.086+/-0.079 χ^2/NDF:3593987.1/44

All: 560.363+/-0.056 χ^2/NDF: 6286416.1/85

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 139.830+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 249.504+/-420.604 χ^2/NDF: 28.6/20

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

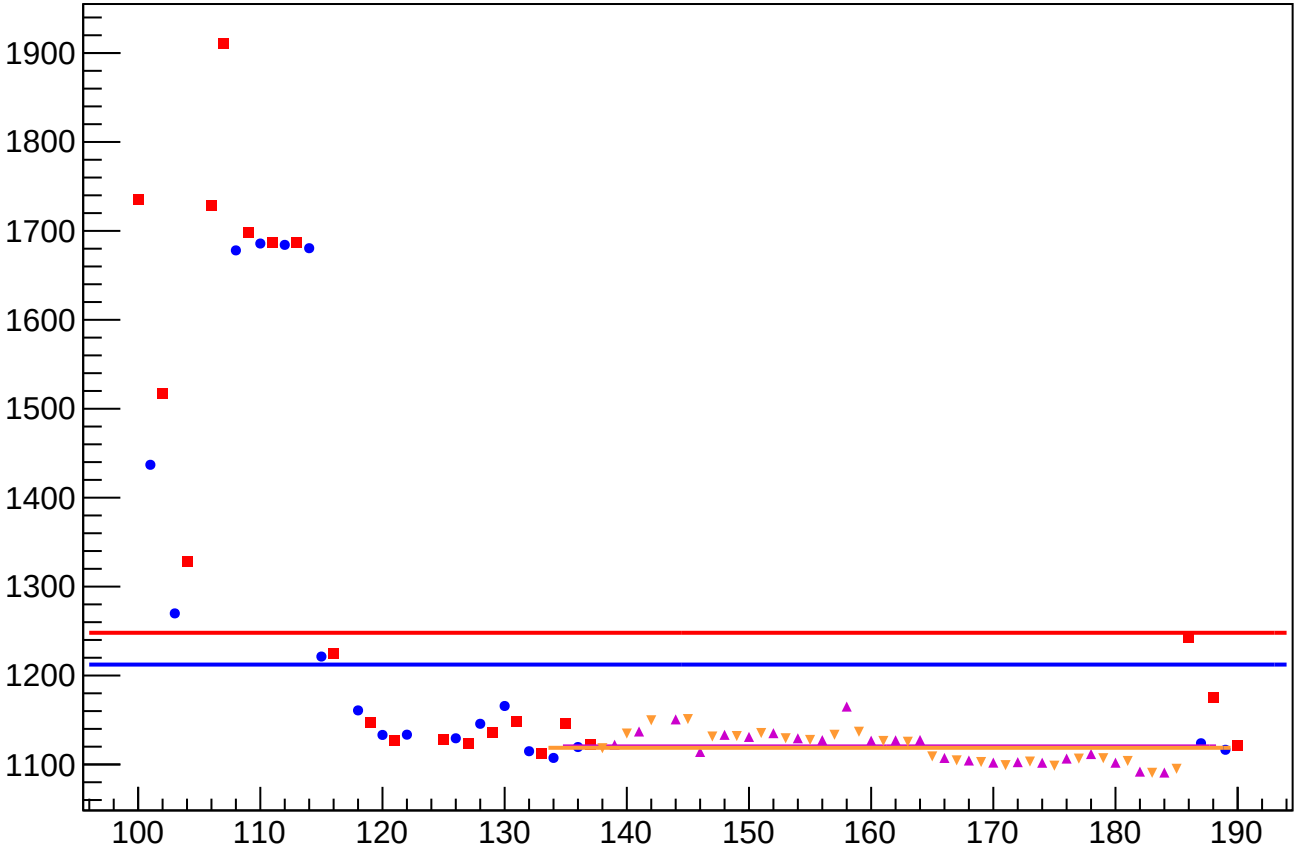
Right: 196.344+/-301.924 χ^2/NDF: 40.4/38

In: 102.100+/-224.002 χ^2/NDF:32.7/40

Out: 240.192+/-220.953 χ^2/NDF:51.3/44

All: 172.092+/-157.304 χ^2/NDF: 84.2/85

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1248.069+/-0.297 χ^2/NDF: 459122.6/20

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

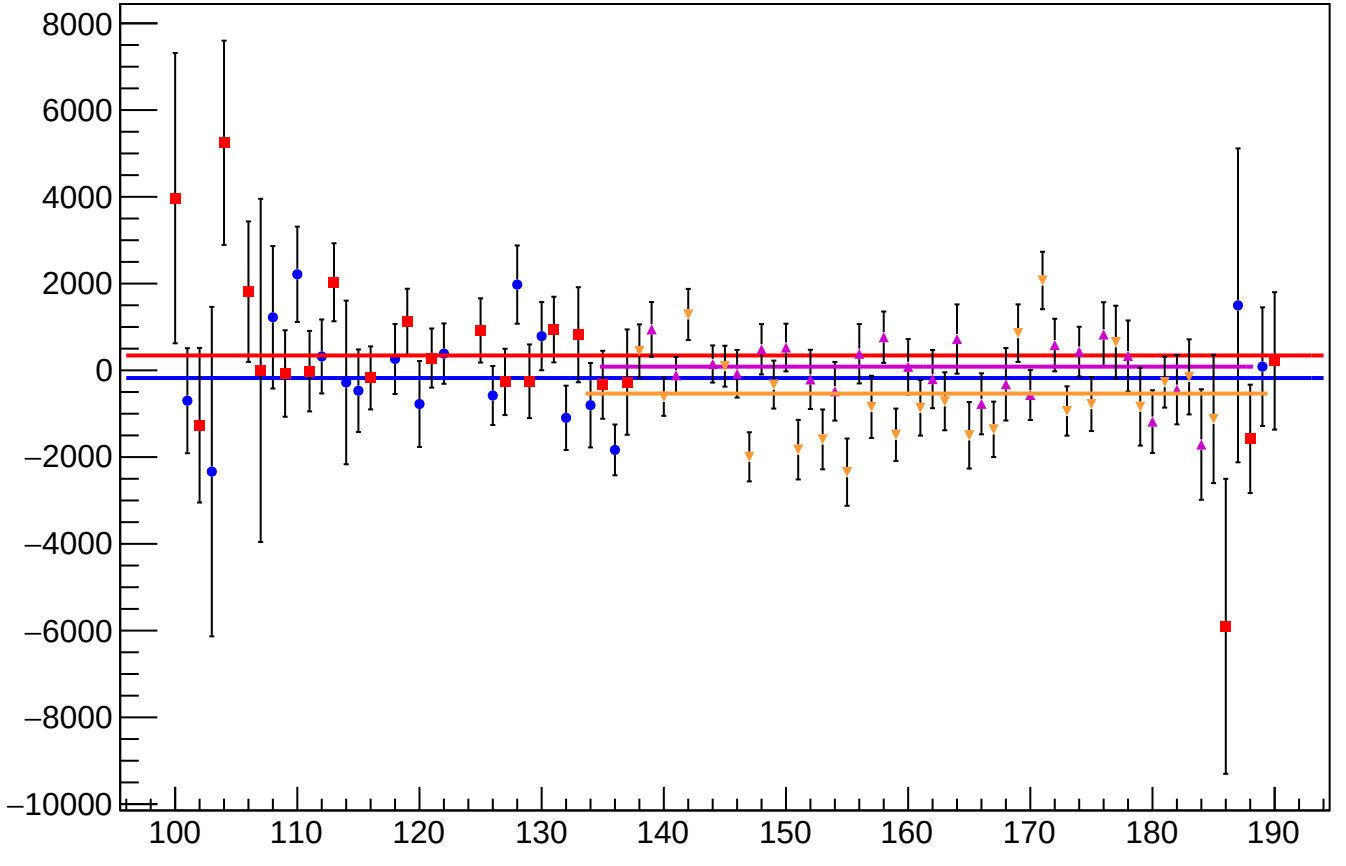
Right: 1230.737+/-0.213 χ^2/NDF: 772485.4/38

In: 1144.855+/-0.158 χ^2/NDF:381836.0/40

Out: 1154.425+/-0.156 χ^2/NDF:604251.5/44

All: 1149.706+/-0.111 χ^2/NDF: 987937.8/85

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -177.318+/-219.557 χ^2/NDF: 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 342.869+/-217.516 χ^2/NDF: 21.8/20

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

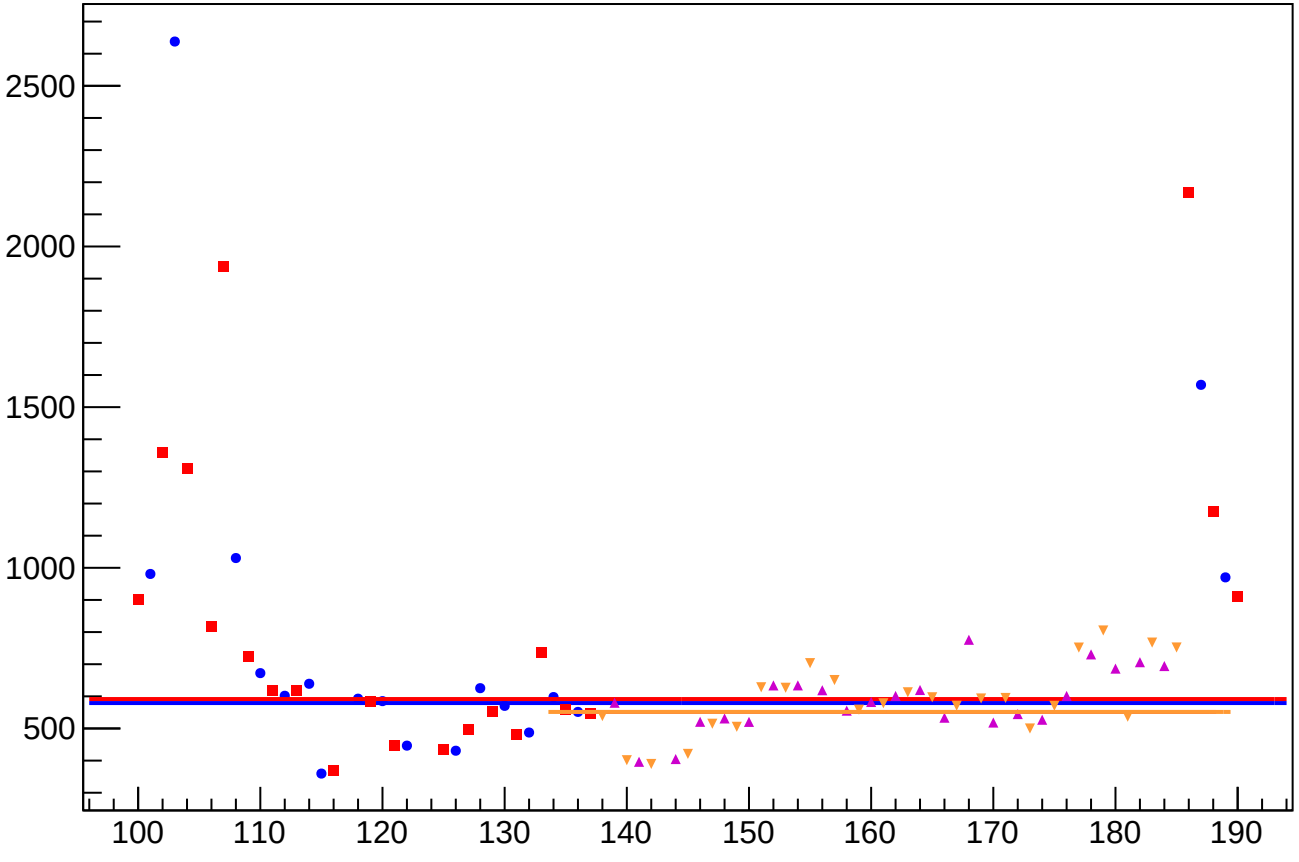
Right: 85.205+/-154.523 χ^2/NDF: 50.2/38

In: 16.338+/-112.475 χ^2/NDF:43.7/40

Out: -302.949+/-111.997 χ^2/NDF:95.4/44

All: -143.986+/-79.362 χ^2/NDF: 143.1/85

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 579.111+/-0.155 χ^2/NDF: 1606137.8/17

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 591.599+/-0.154 χ^2/NDF: 2317254.7/20

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

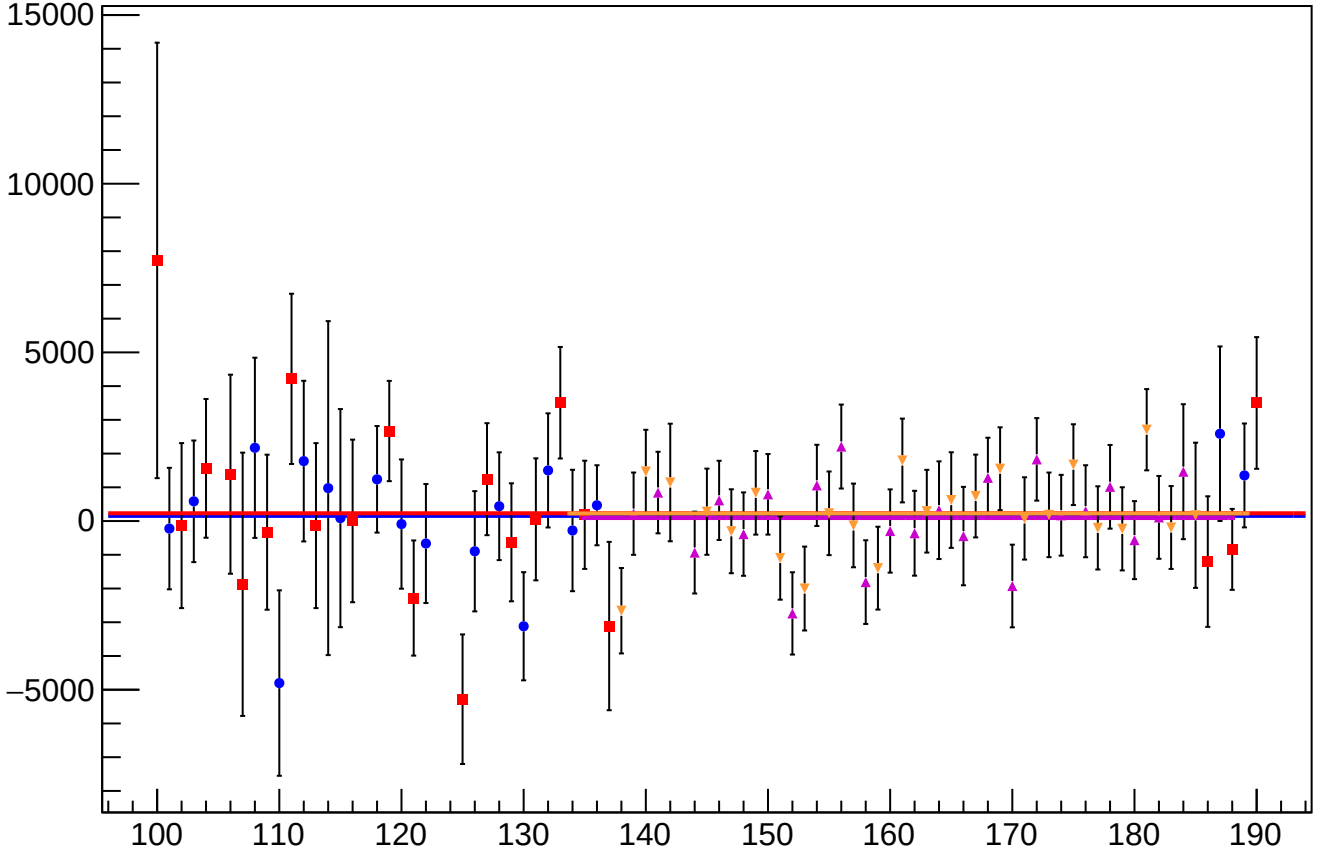
Right: 585.413+/-0.109 χ^2/NDF: 3926657.6/38

In: 558.625+/-0.080 χ^2/NDF:2691477.9/40

Out: 562.086+/-0.079 χ^2/NDF:3593987.1/44

All: 560.363+/-0.056 χ^2/NDF: 6286416.1/85

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.408+/-437.209 χ^2/NDF: 11.9/17

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 230.850+/-426.581 χ^2/NDF: 28.4/20

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

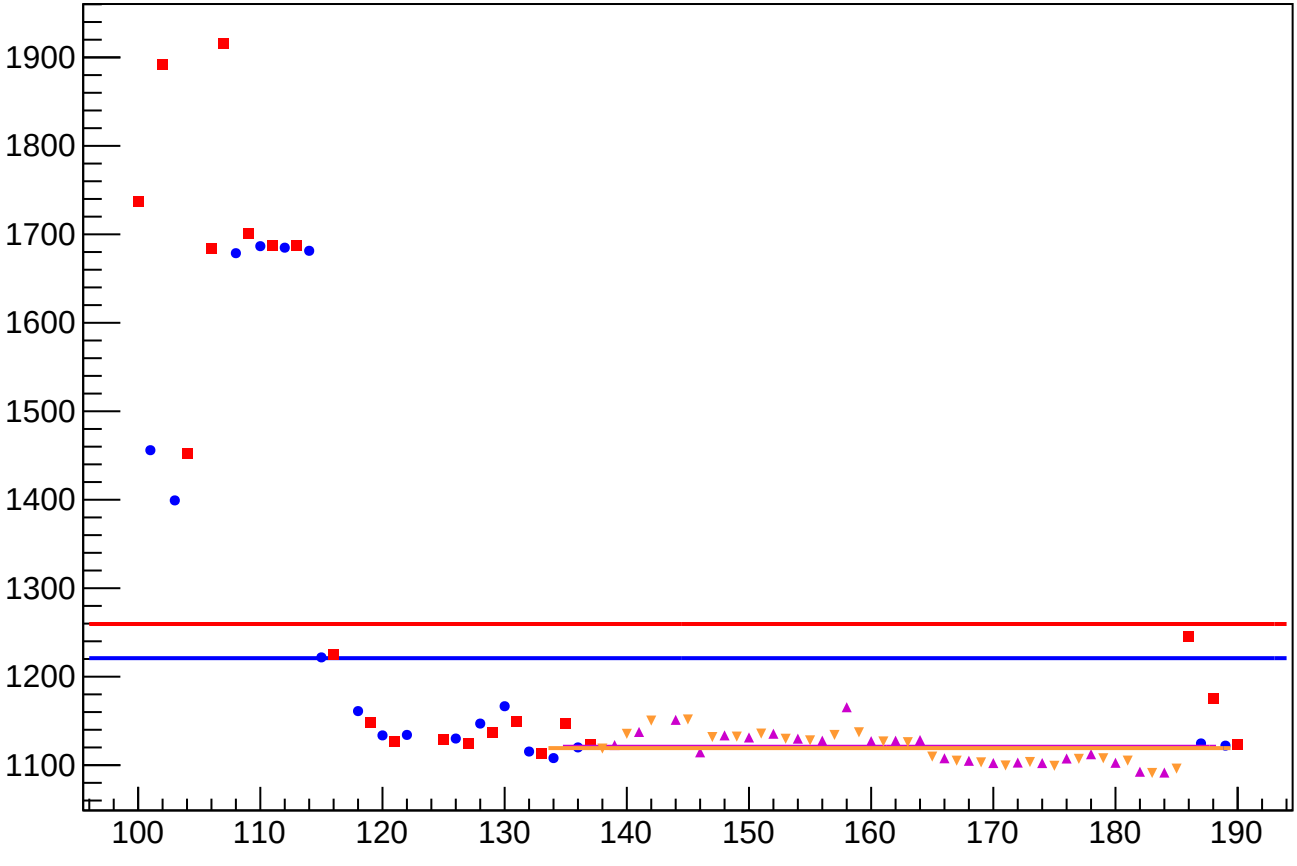
Right: 193.082+/-305.326 χ^2/NDF: 40.3/38

In: 106.049+/-224.558 χ^2/NDF:32.5/40

Out: 227.067+/-221.906 χ^2/NDF:50.6/44

All: 167.277+/-157.841 χ^2/NDF: 83.3/85

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.931+/-0.309 χ^2/NDF: 327840.7/17

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1259.549+/-0.302 χ^2/NDF: 567411.6/20

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

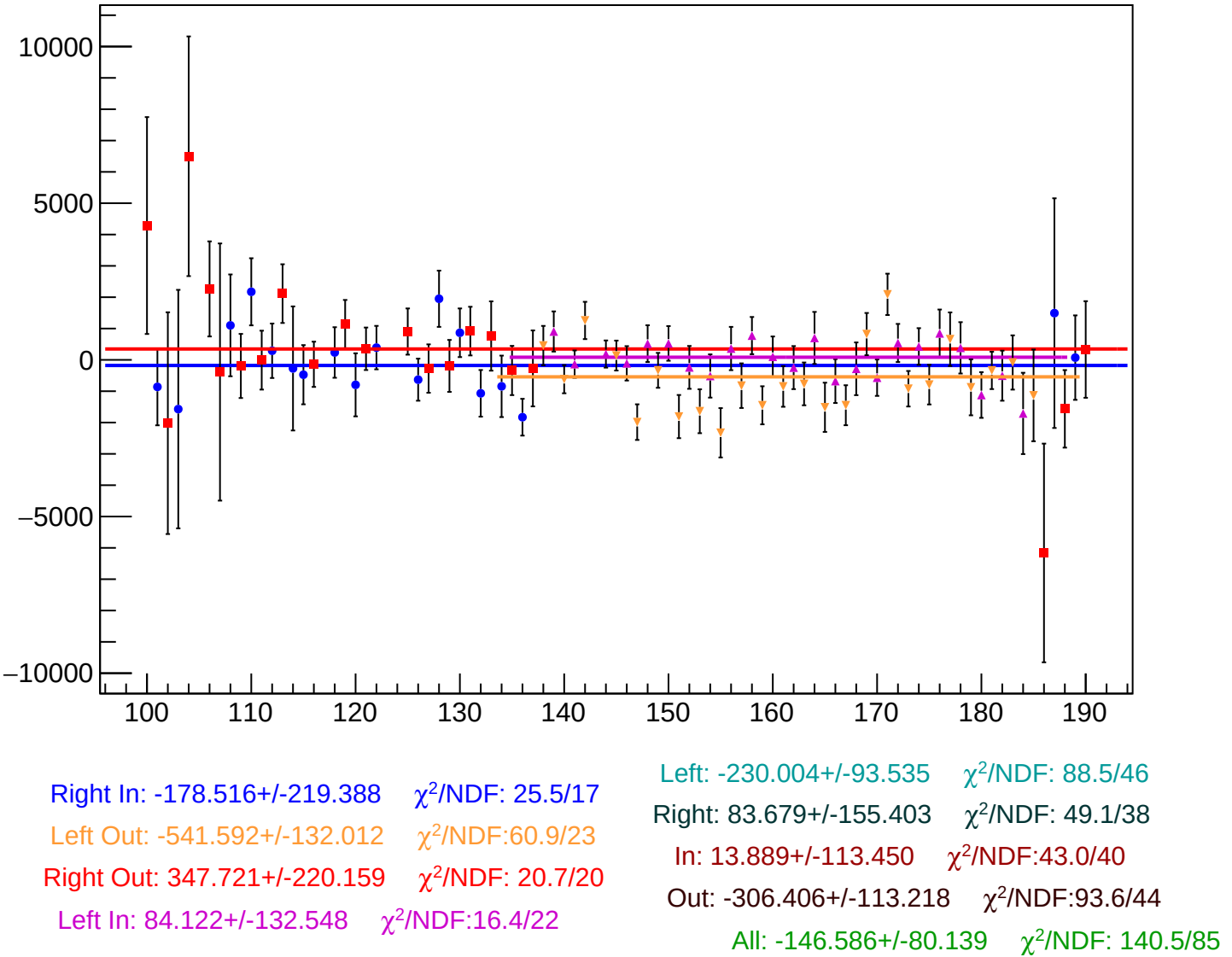
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1240.715+/-0.216 χ^2/NDF: 903246.1/38

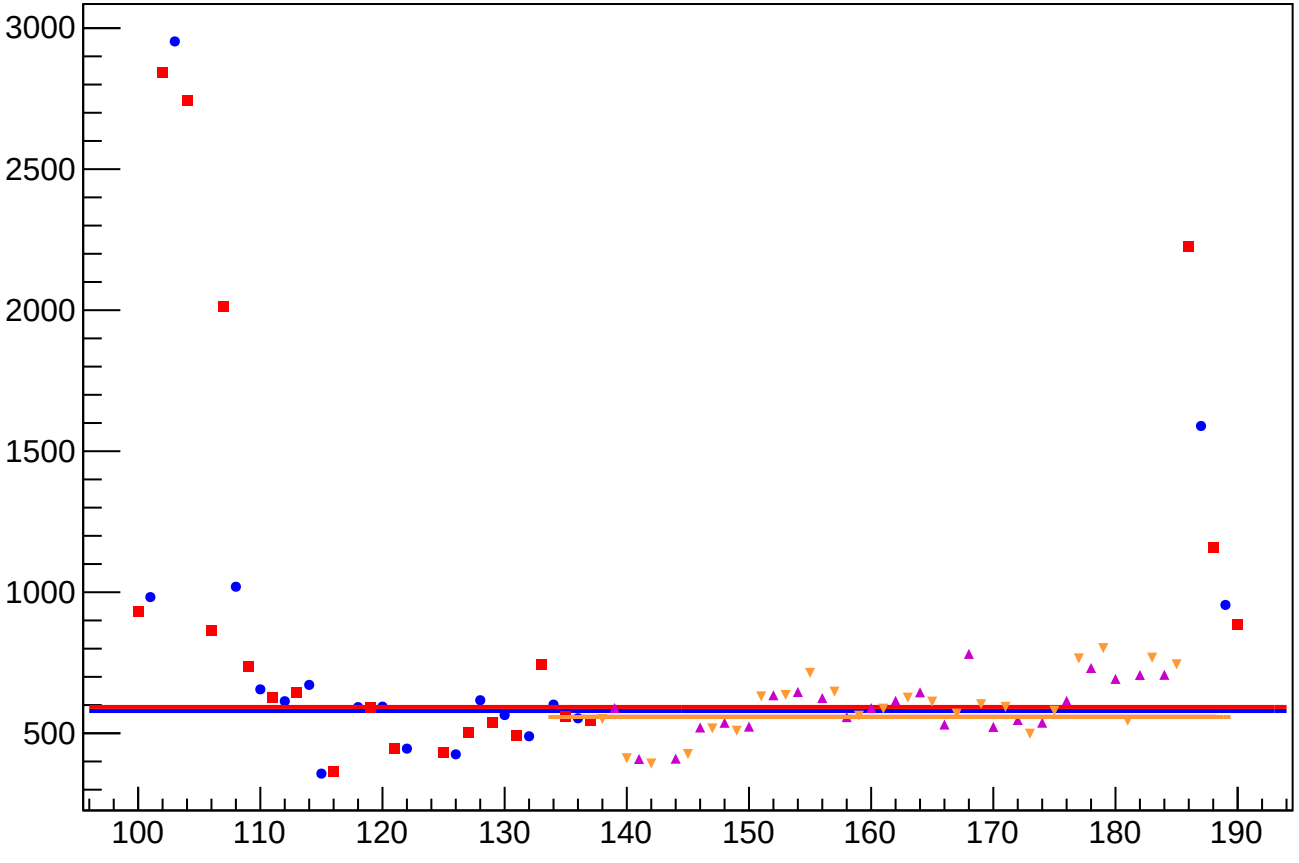
In: 1147.215+/-0.159 χ^2/NDF:414496.0/40

Out: 1157.221+/-0.157 χ^2/NDF:733333.2/44

All: 1152.278+/-0.112 χ^2/NDF: 1149838.3/85


asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -178.516+/-219.388 χ²/NDF: 25.5/17
Left Out: -541.592+/-132.012 χ²/NDF:60.9/23
Right Out: 347.721+/-220.159 χ²/NDF: 20.7/20
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: 83.679+/-155.403 χ²/NDF: 49.1/38
In: 13.889+/-113.450 χ²/NDF:43.0/40
Out: -306.406+/-113.218 χ²/NDF:93.6/44
All: -146.586+/-80.139 χ²/NDF: 140.5/85

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 578.879+/-0.155 χ^2/NDF: 1796138.1/17

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 593.434+/-0.156 χ^2/NDF: 3240453.6/20

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

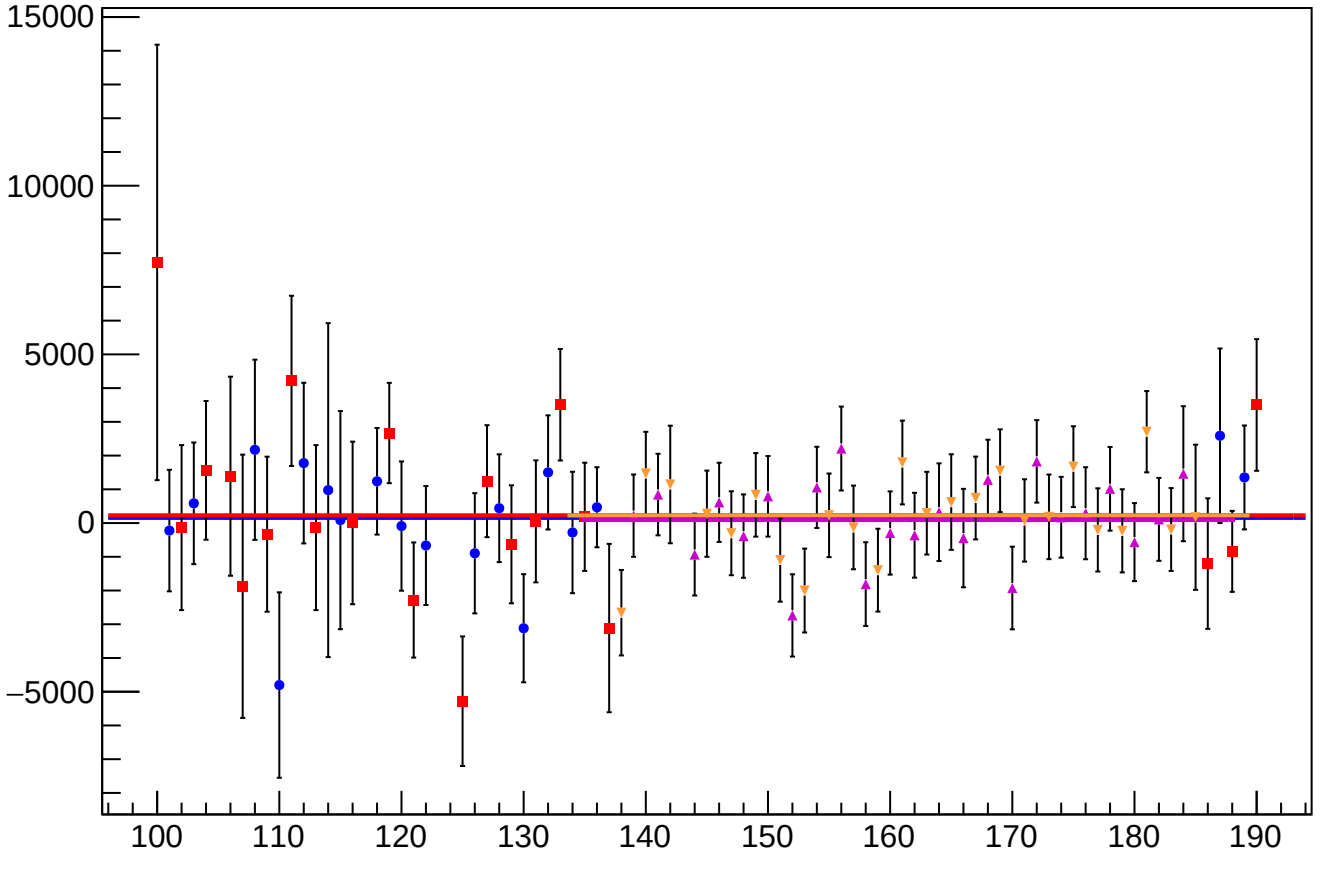
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 586.131+/-0.110 χ^2/NDF: 5040977.7/38

In: 563.871+/-0.080 χ^2/NDF:2836727.8/40

Out: 567.070+/-0.080 χ^2/NDF:4472713.5/44

All: 565.474+/-0.057 χ^2/NDF: 7310238.2/85



Right In: 153.409+/-437.209 χ^2/NDF: 11.9/17

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 230.850+/-426.581 χ^2/NDF: 28.4/20

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

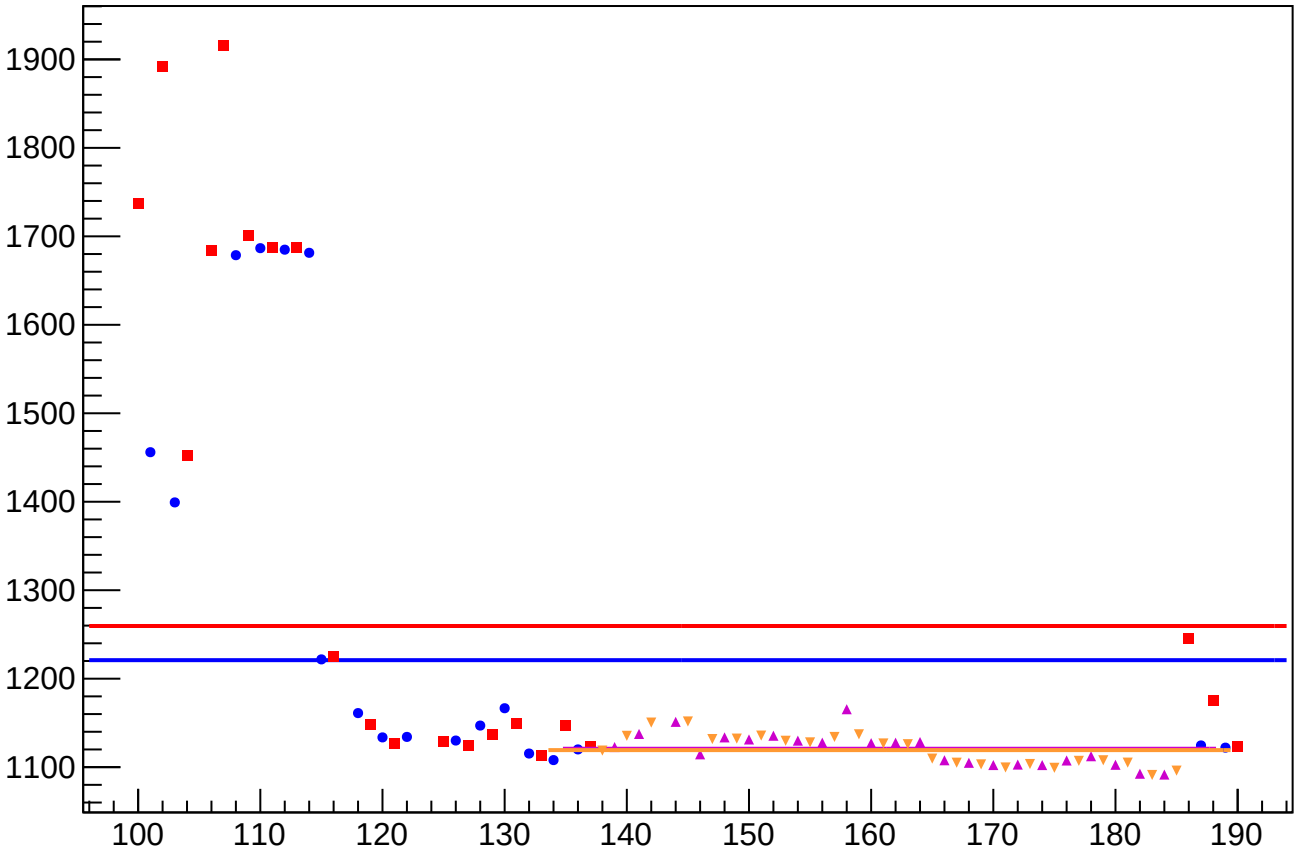
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 193.082+/-305.326 χ^2/NDF: 40.3/38

In: 106.049+/-224.558 χ^2/NDF:32.5/40

Out: 227.065+/-221.906 χ^2/NDF:50.6/44

All: 167.276+/-157.841 χ^2/NDF: 83.3/85



Right In: 1220.931+/-0.309 χ^2/NDF: 327840.3/17

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1259.549+/-0.302 χ^2/NDF: 567411.1/20

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

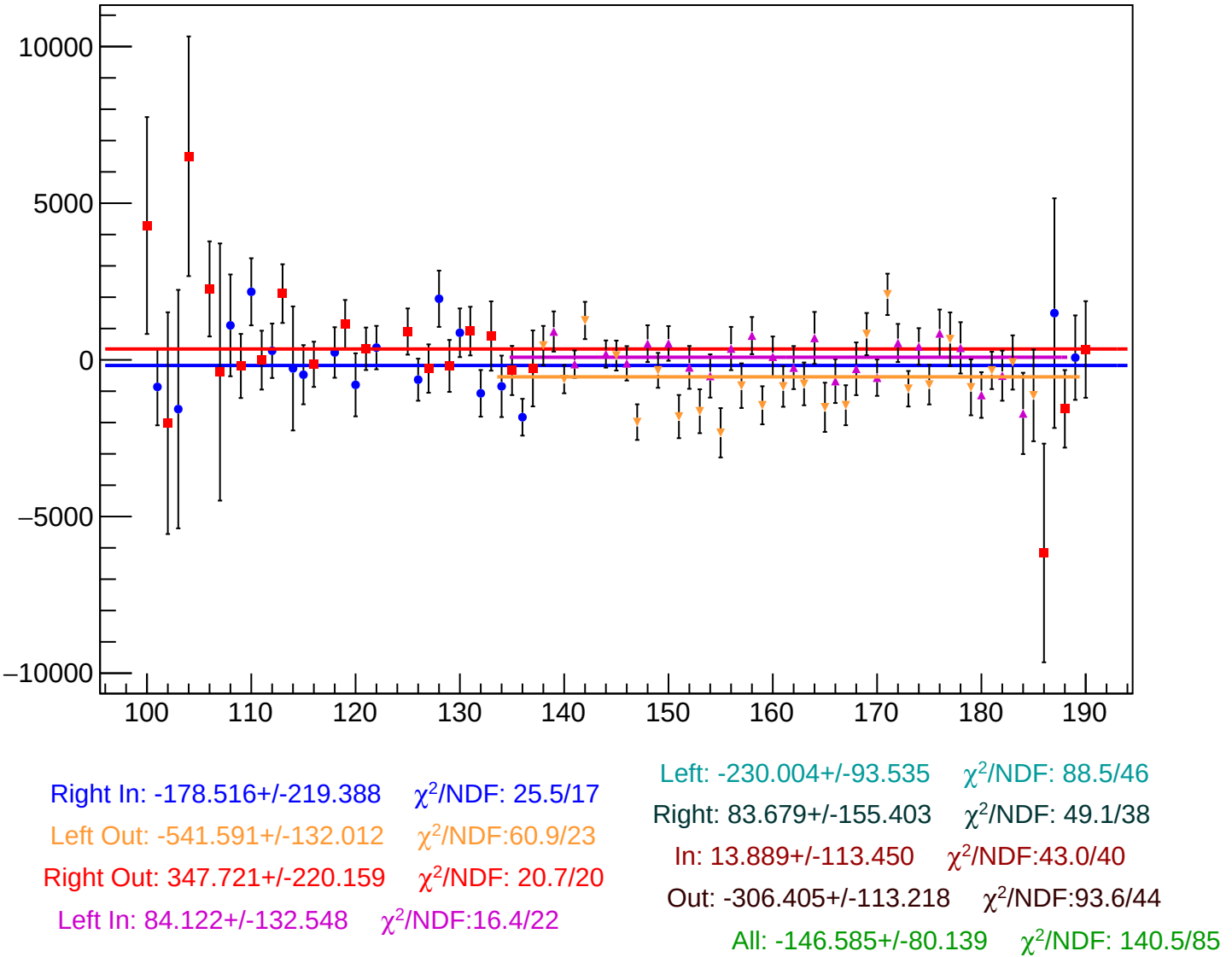
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1240.715+/-0.216 χ^2/NDF: 903245.2/38

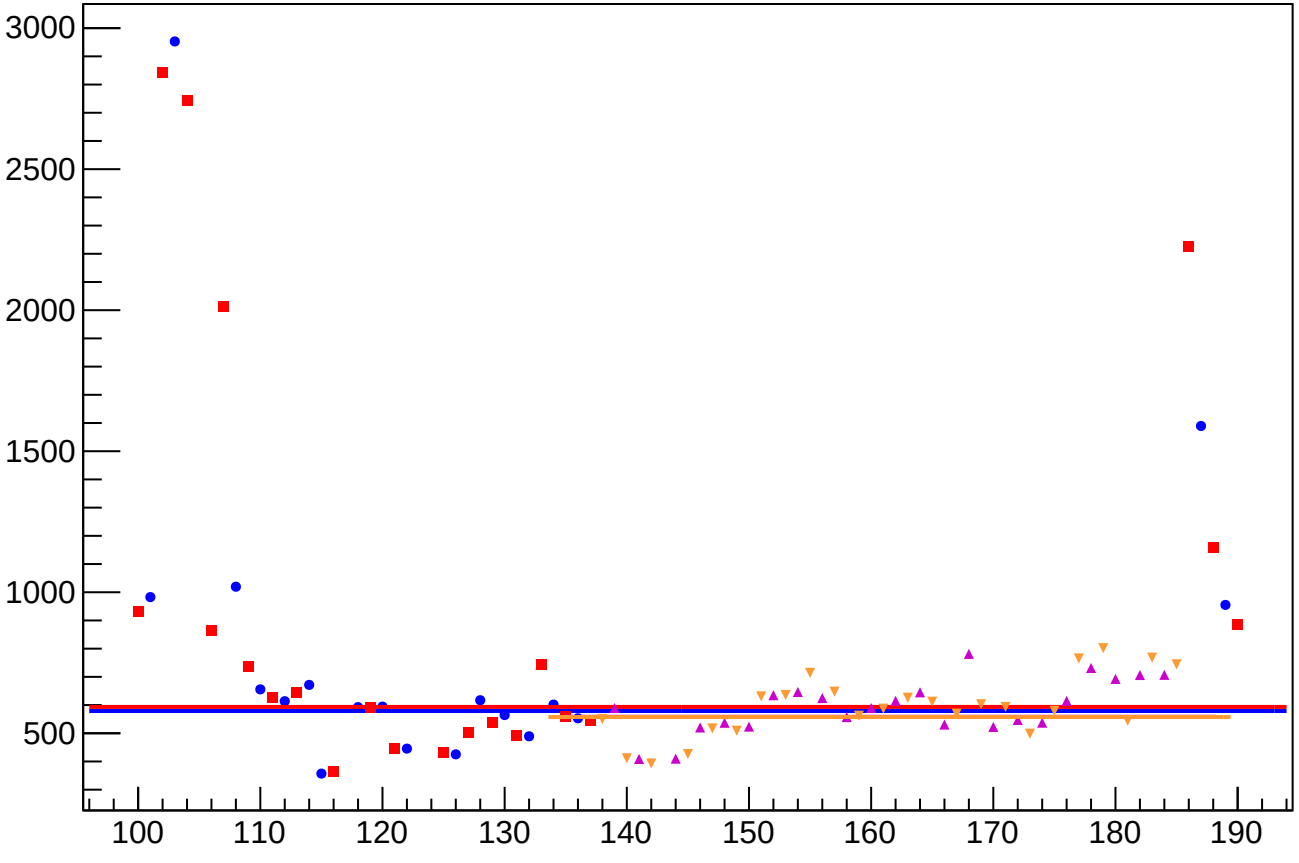
In: 1147.215+/-0.159 χ^2/NDF:414495.5/40

Out: 1157.221+/-0.157 χ^2/NDF:733332.5/44

All: 1152.278+/-0.112 χ^2/NDF: 1149837.1/85


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -178.516+/-219.388 χ²/NDF: 25.5/17
Left Out: -541.591+/-132.012 χ²/NDF:60.9/23
Right Out: 347.721+/-220.159 χ²/NDF: 20.7/20
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: 83.679+/-155.403 χ²/NDF: 49.1/38
In: 13.889+/-113.450 χ²/NDF:43.0/40
Out: -306.405+/-113.218 χ²/NDF:93.6/44
All: -146.585+/-80.139 χ²/NDF: 140.5/85

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 578.879+/-0.155 χ^2/NDF: 1796135.2/17

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 593.434+/-0.156 χ^2/NDF: 3240454.3/20

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

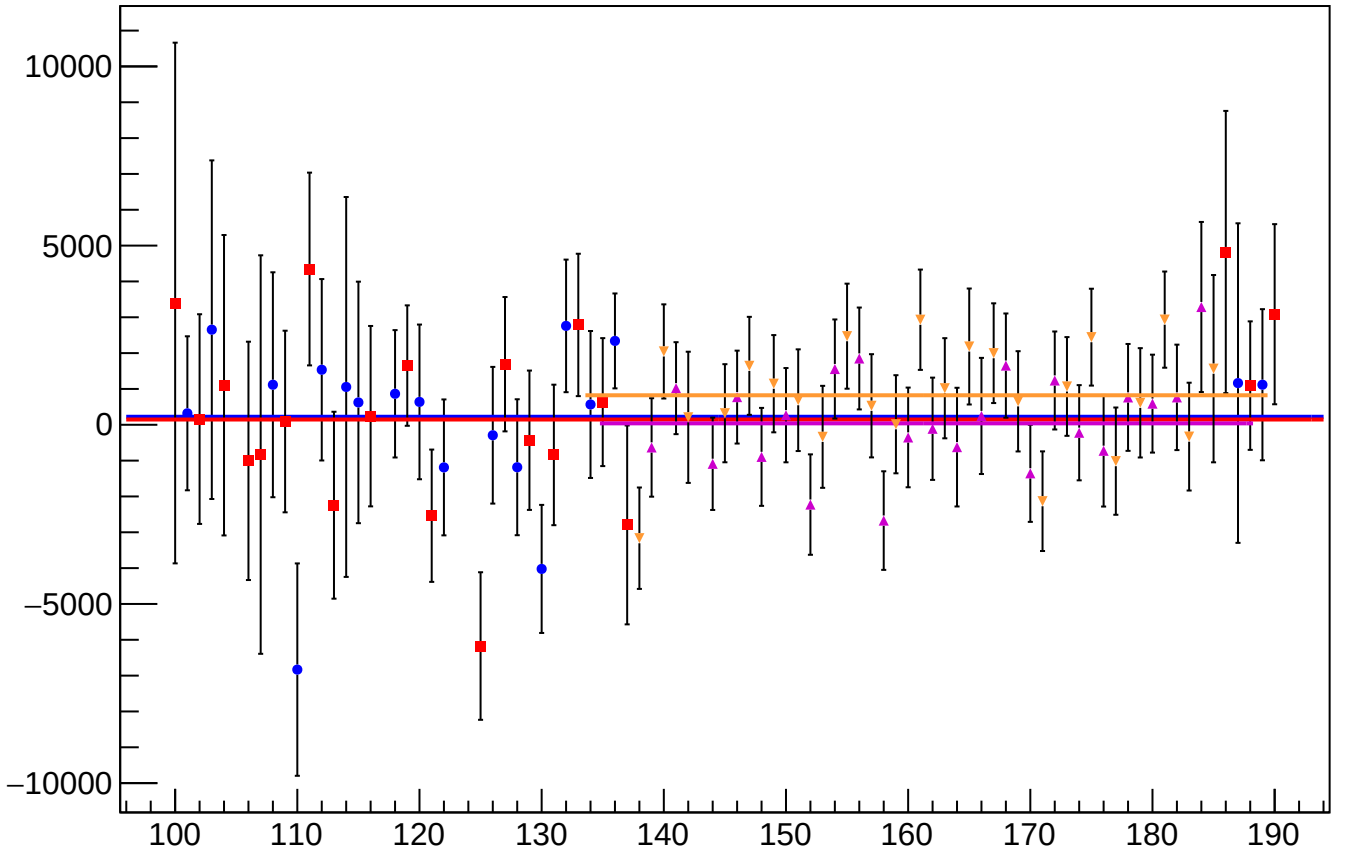
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 586.131+/-0.110 χ^2/NDF: 5040975.5/38

In: 563.871+/-0.080 χ^2/NDF:2836740.1/40

Out: 567.070+/-0.080 χ^2/NDF:4472736.6/44

All: 565.474+/-0.057 χ^2/NDF: 7310273.5/85



Right In: 223.683+/-512.504 χ^2/NDF: 18.0/17

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 146.832+/-510.455 χ^2/NDF: 23.1/20

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

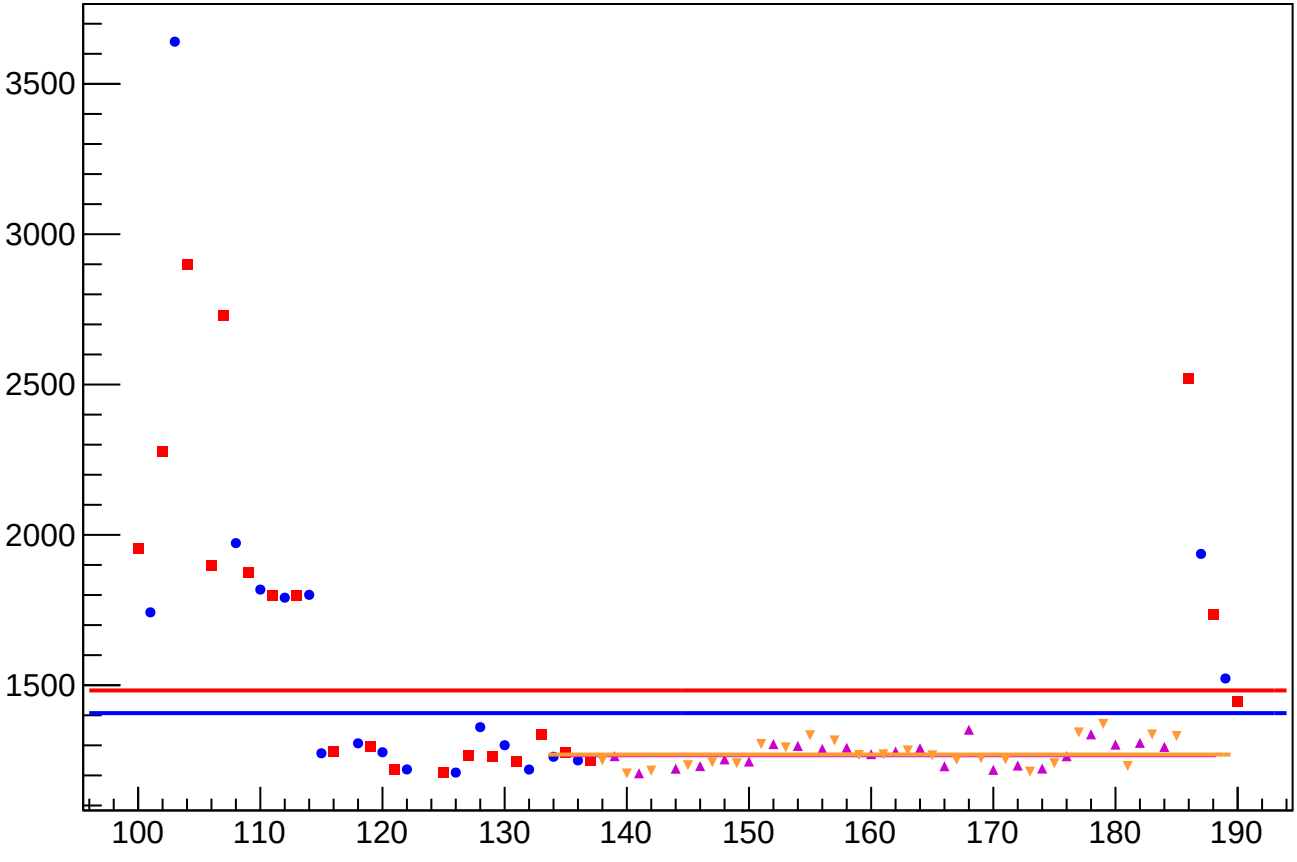
Right: 185.104+/-361.669 χ^2/NDF: 41.1/38

In: 85.719+/-256.324 χ^2/NDF:36.0/40

Out: 654.091+/-255.308 χ^2/NDF:50.6/44

All: 371.034+/-180.888 χ^2/NDF: 89.0/85

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1407.178+/-0.362 χ^2/NDF: 814985.4/17

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1482.594+/-0.361 χ^2/NDF: 1046177.2/20

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

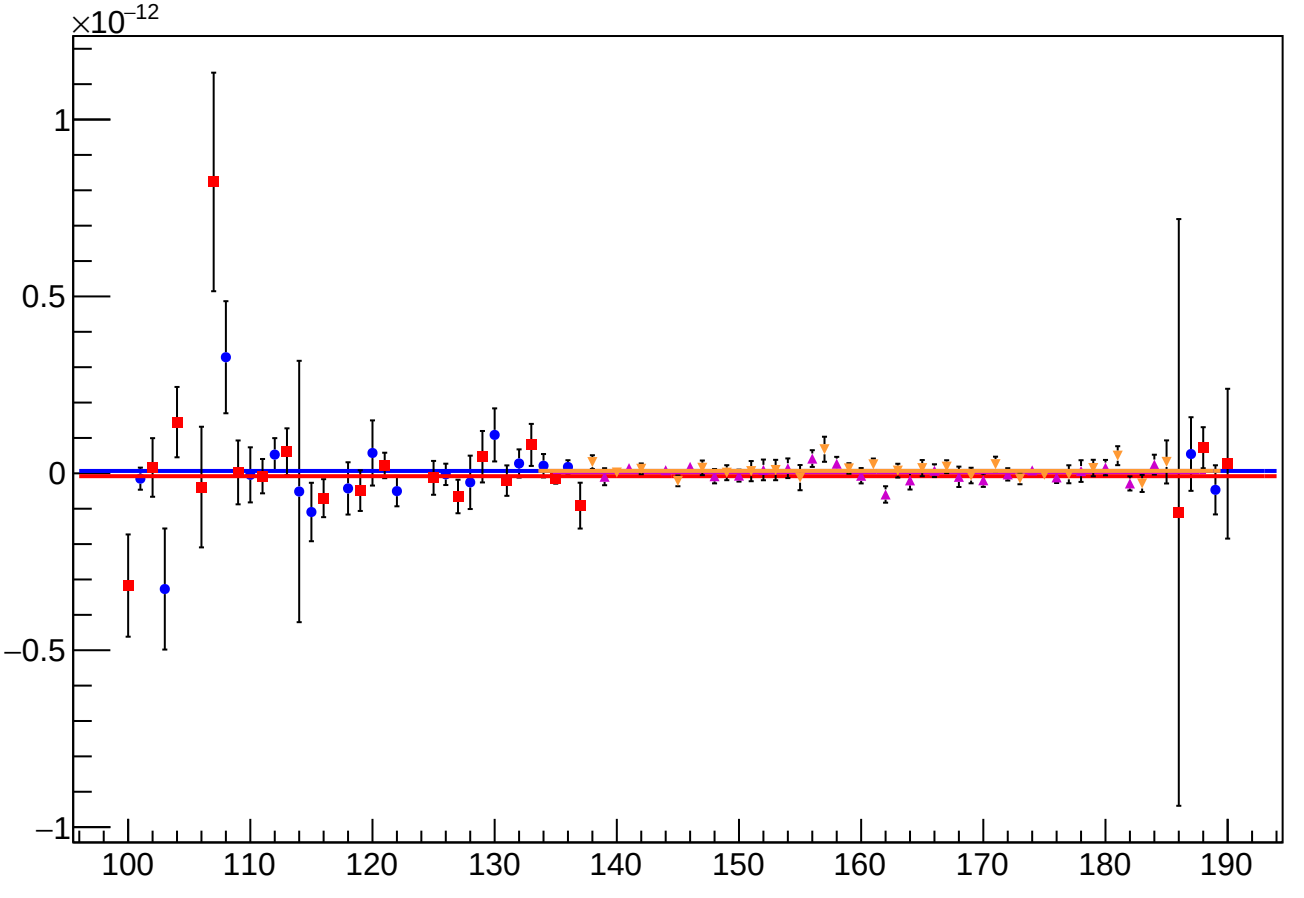
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1445.037+/-0.256 χ^2/NDF: 1882902.8/38

In: 1302.114+/-0.181 χ^2/NDF:961622.7/40

Out: 1322.762+/-0.181 χ^2/NDF:1350716.2/44

All: 1312.479+/-0.128 χ^2/NDF: 2318854.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/20

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

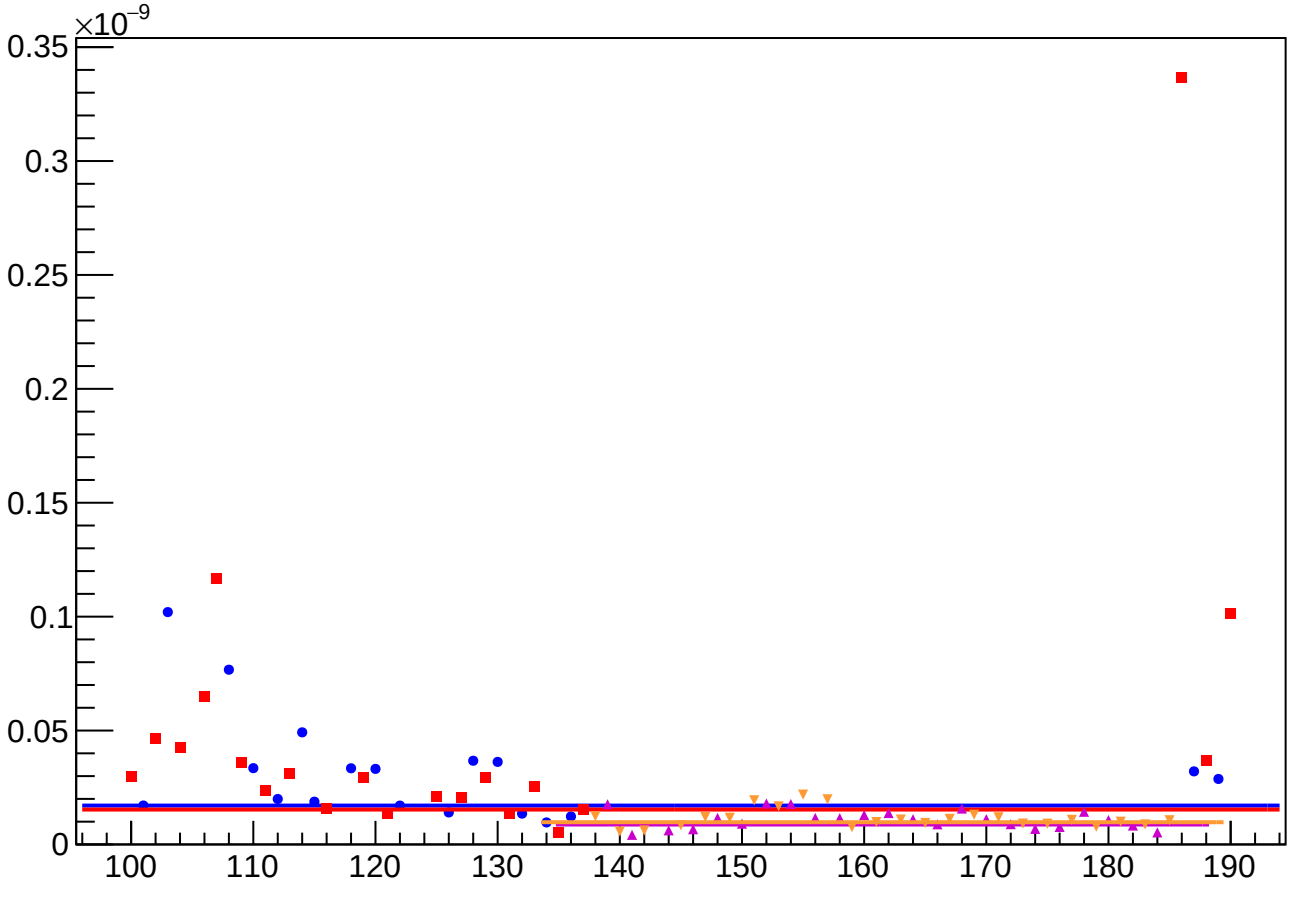
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 44.7/38

In: 0.000+/-0.000 χ^2/NDF:40.8/40

Out: 0.000+/-0.000 χ^2/NDF:47.7/44

All: 0.000+/-0.000 χ^2/NDF: 88.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 1674806.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3177510.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

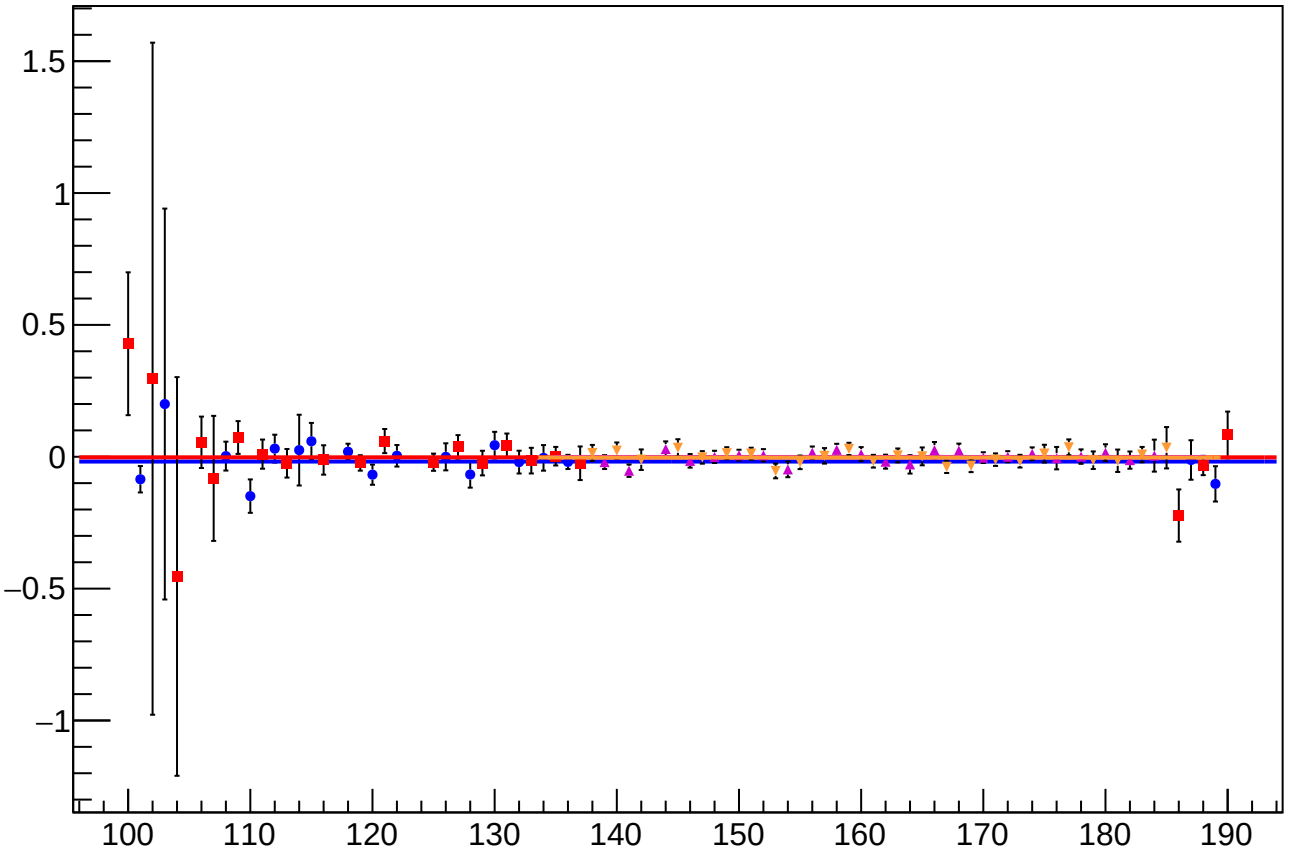
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 4879662.9/38

In: 0.000+/-0.000 χ^2/NDF:4684940.7/40

Out: 0.000+/-0.000 χ^2/NDF:5049243.0/44

All: 0.000+/-0.000 χ^2/NDF: 9785928.3/85



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.002+/-0.011 χ^2/NDF: 16.7/20

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

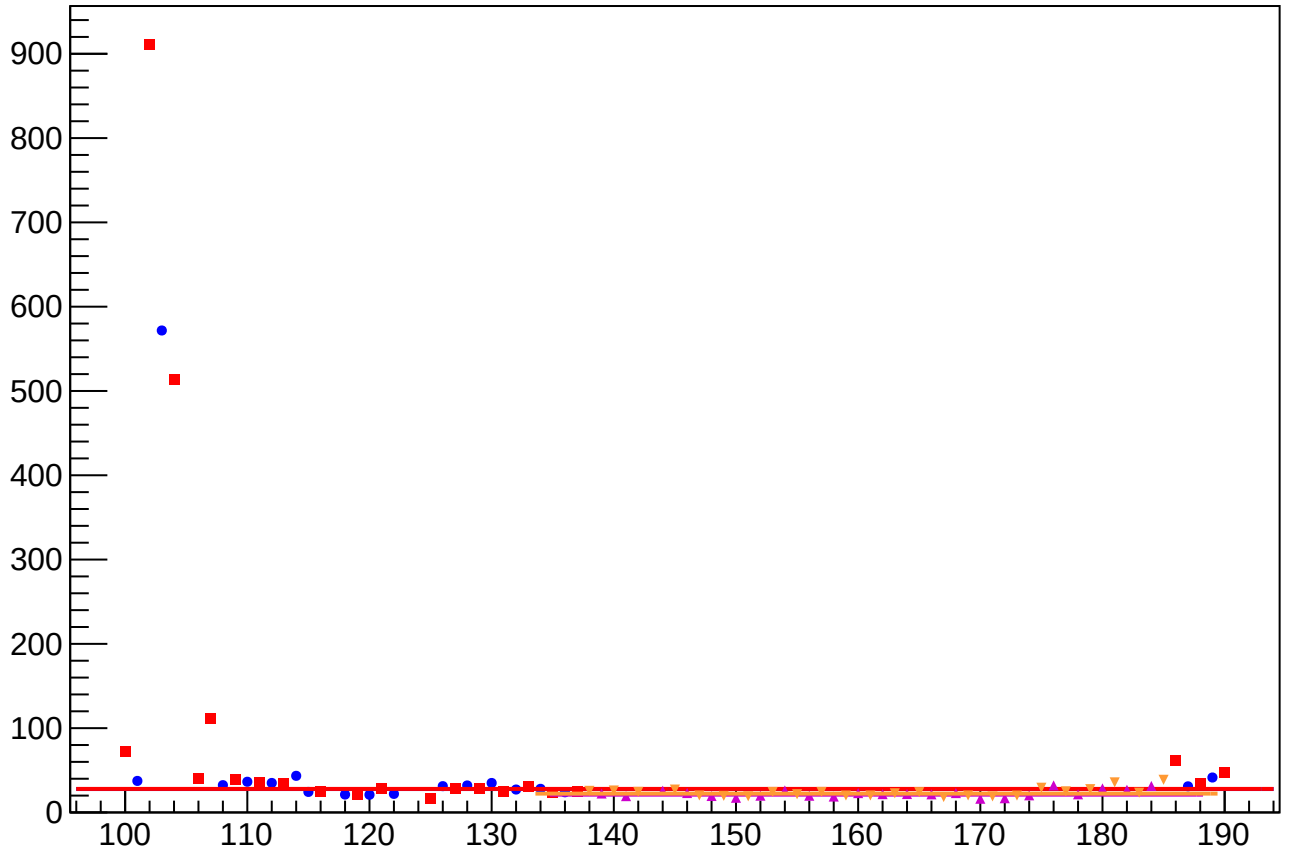
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.010+/-0.008 χ^2/NDF: 33.9/38

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:33.0/44

All: -0.003+/-0.004 χ^2/NDF: 66.2/85



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.929+/-0.008 χ^2/NDF: 3036134.2/20

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

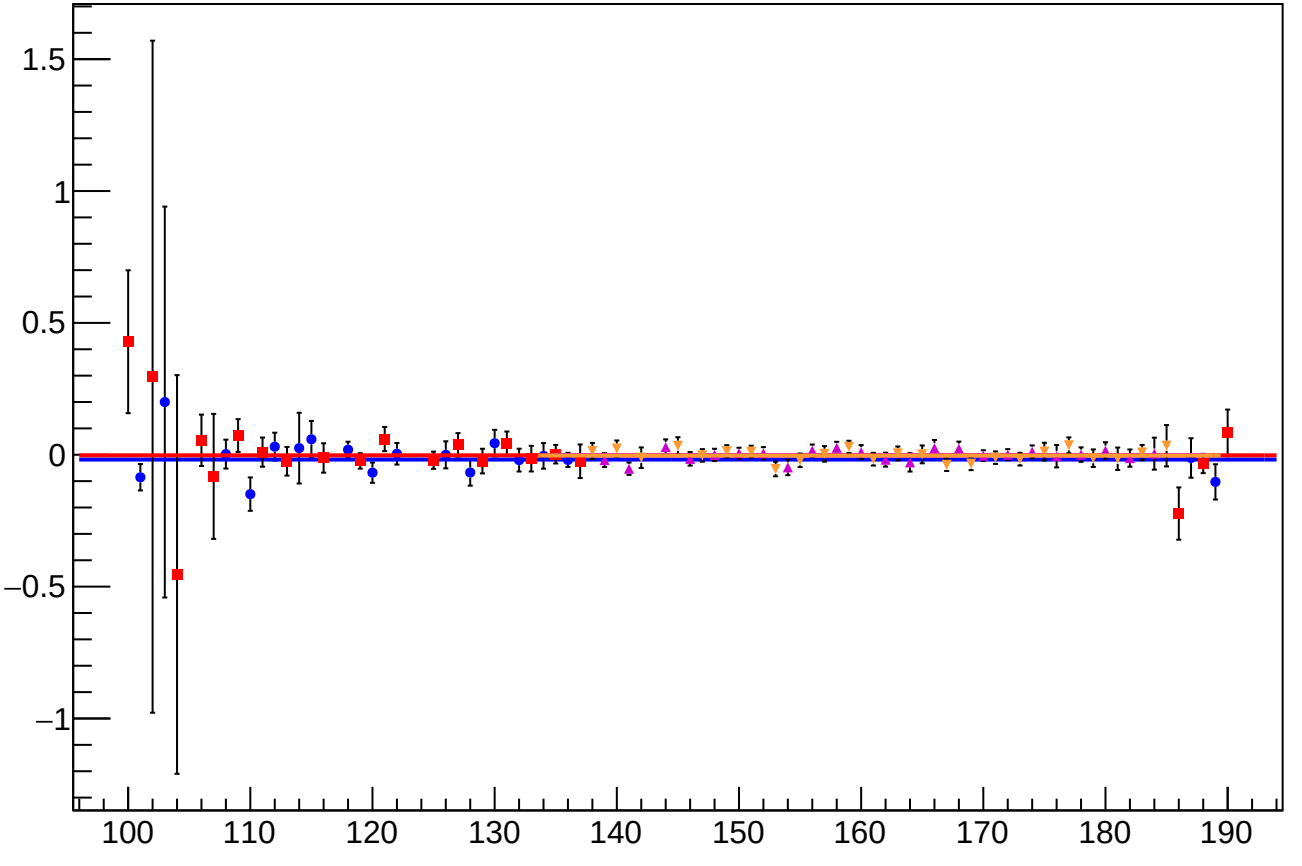
Right: 27.859+/-0.006 χ^2/NDF: 4695256.9/38

In: 22.375+/-0.003 χ^2/NDF:3049455.8/40

Out: 23.488+/-0.004 χ^2/NDF:4243138.2/44

All: 22.914+/-0.002 χ^2/NDF: 7342274.5/85

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.002+/-0.011 χ^2/NDF: 16.7/20

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

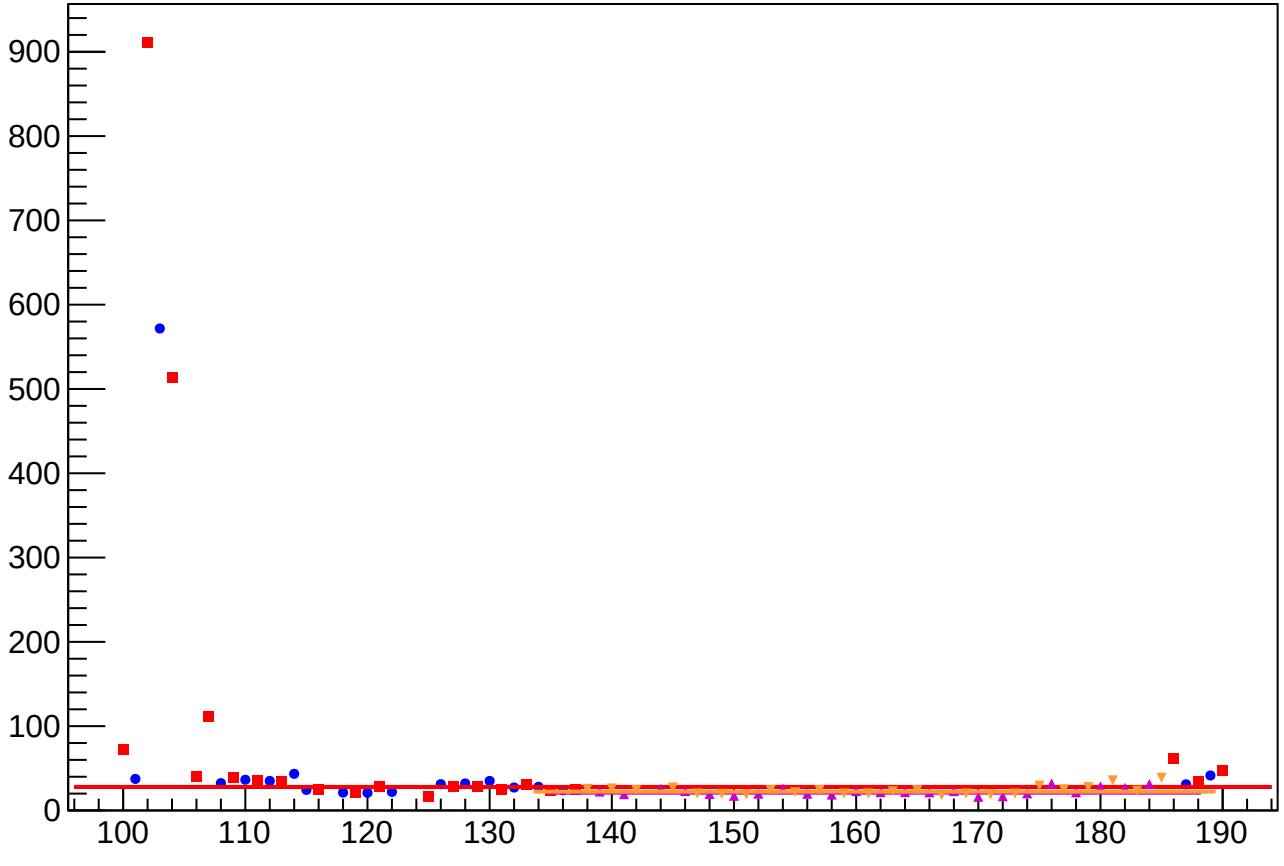
Right: -0.010+/-0.008 χ^2/NDF: 33.9/38

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:33.0/44

All: -0.003+/-0.004 χ^2/NDF: 66.2/85

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.929+/-0.008 χ^2/NDF: 3036134.2/20

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

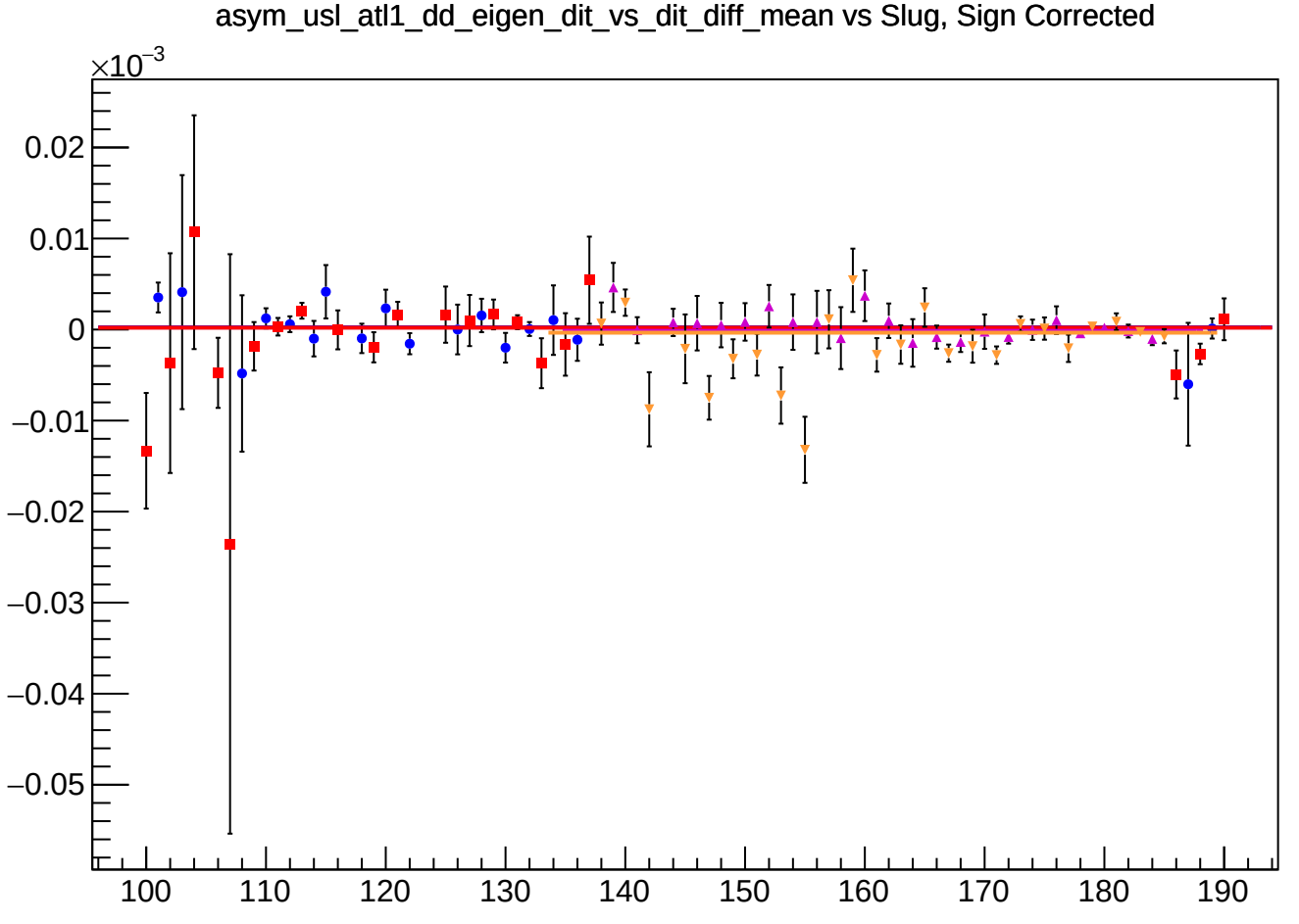
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.859+/-0.006 χ^2/NDF: 4695256.9/38

In: 22.375+/-0.003 χ^2/NDF:3049455.8/40

Out: 23.488+/-0.004 χ^2/NDF:4243138.2/44

All: 22.914+/-0.002 χ^2/NDF: 7342274.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/20

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

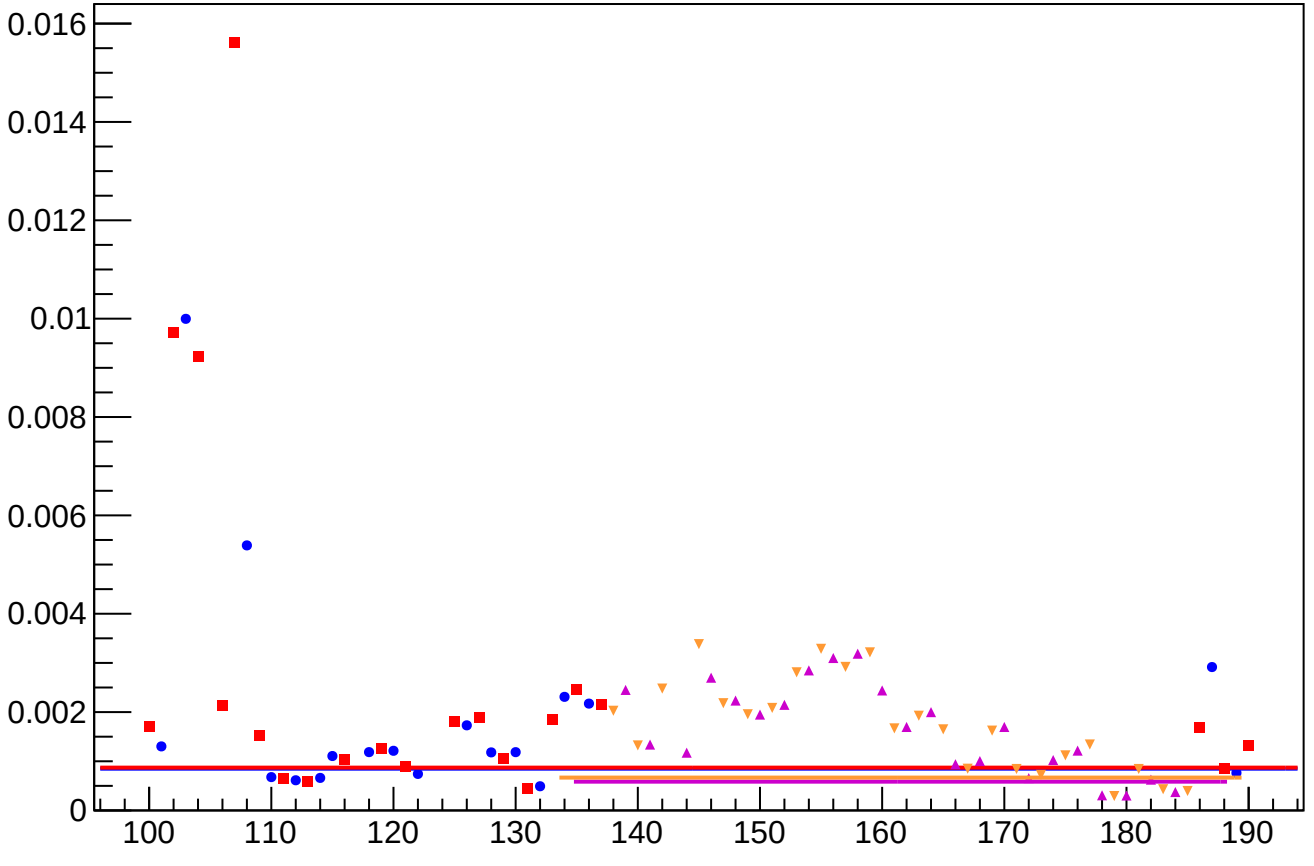
Right: 0.000+/-0.000 χ^2/NDF: 46.4/38

In: -0.000+/-0.000 χ^2/NDF:30.5/40

Out: -0.000+/-0.000 χ^2/NDF:100.8/44

All: -0.000+/-0.000 χ^2/NDF: 131.7/85

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4063818.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5320434.9/20

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

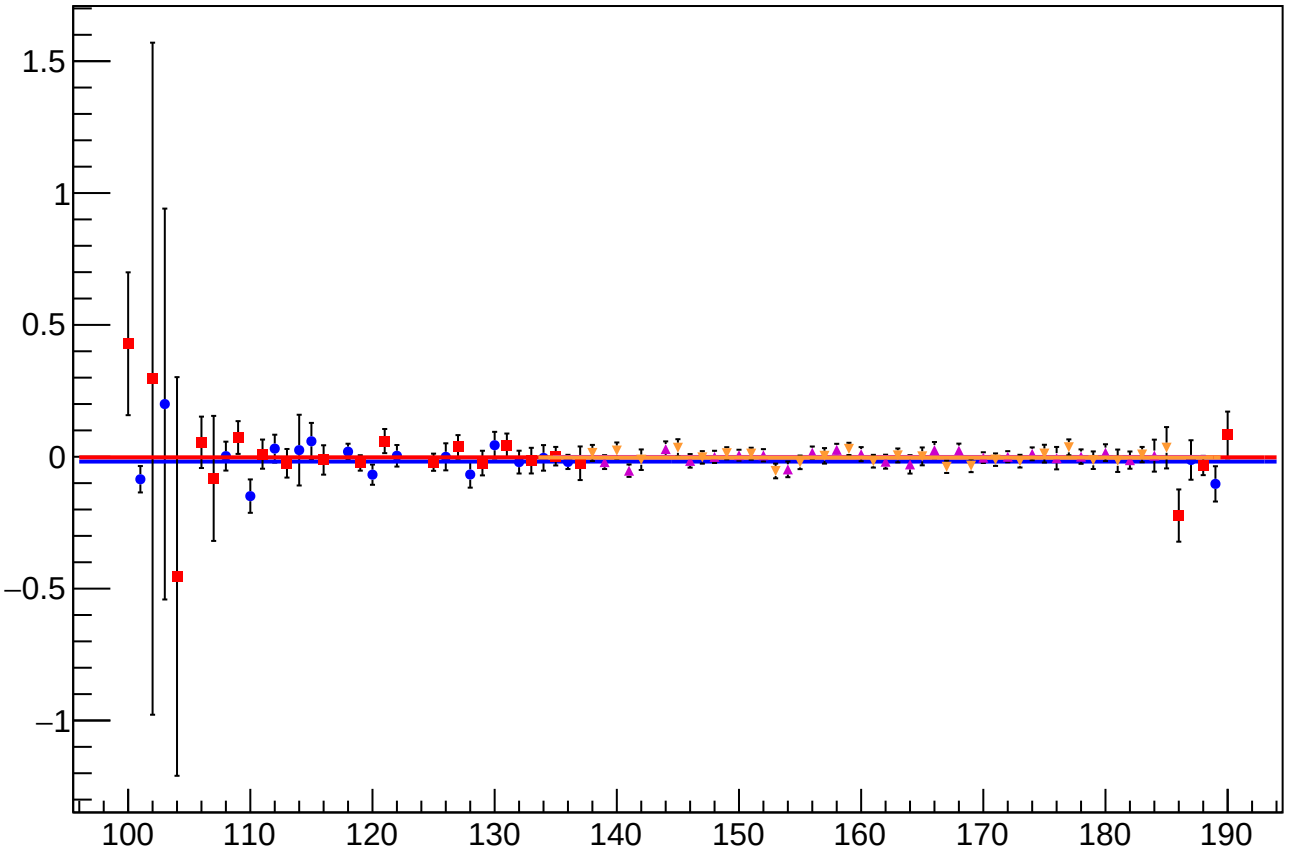
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 9387631.5/38

In: 0.001+/-0.000 χ^2/NDF:20584530.1/40

Out: 0.001+/-0.000 χ^2/NDF:21158555.5/44

All: 0.001+/-0.000 χ^2/NDF: 41923328.4/85



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.002+/-0.011 χ^2/NDF: 16.7/20

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

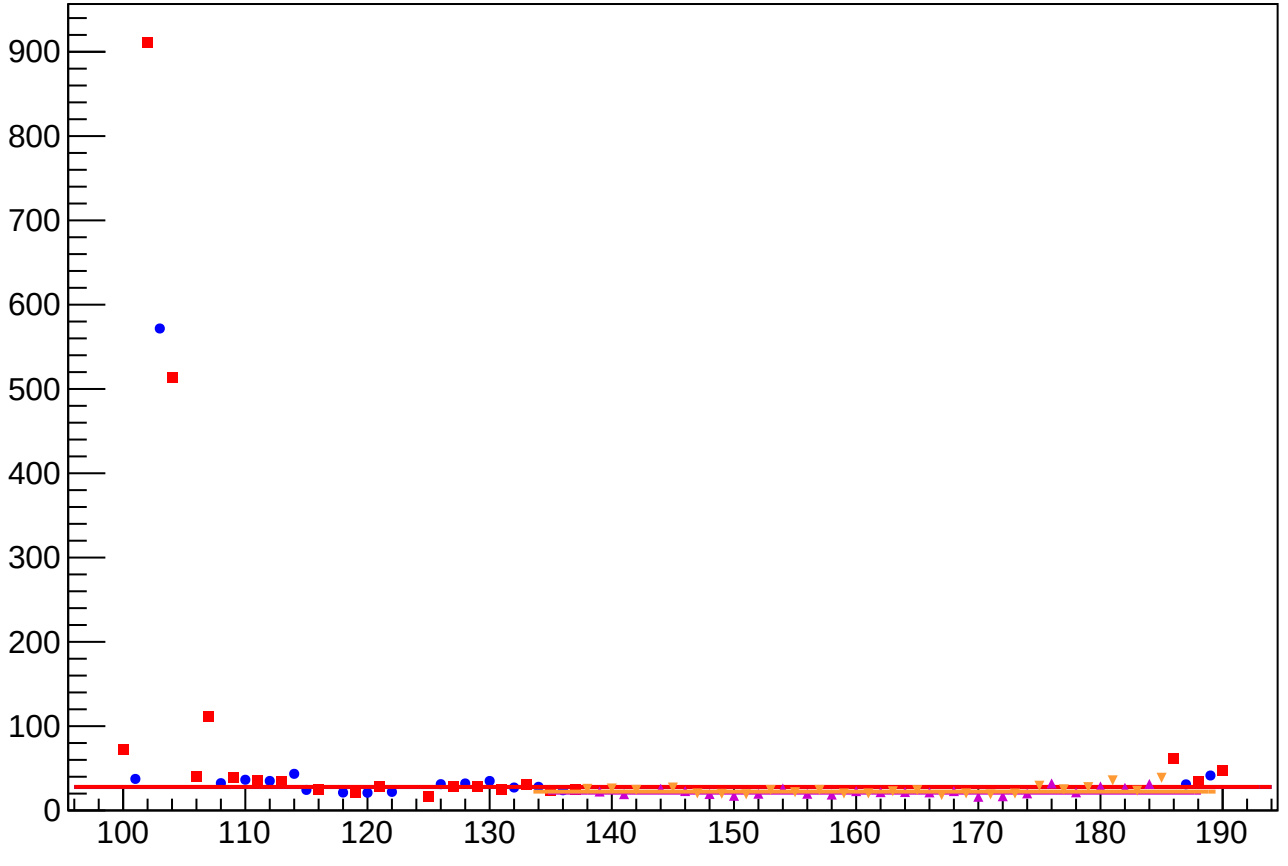
Right: -0.010+/-0.008 χ^2/NDF: 33.9/38

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:33.0/44

All: -0.003+/-0.004 χ^2/NDF: 66.2/85

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.929+/-0.008 χ^2/NDF: 3036139.8/20

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

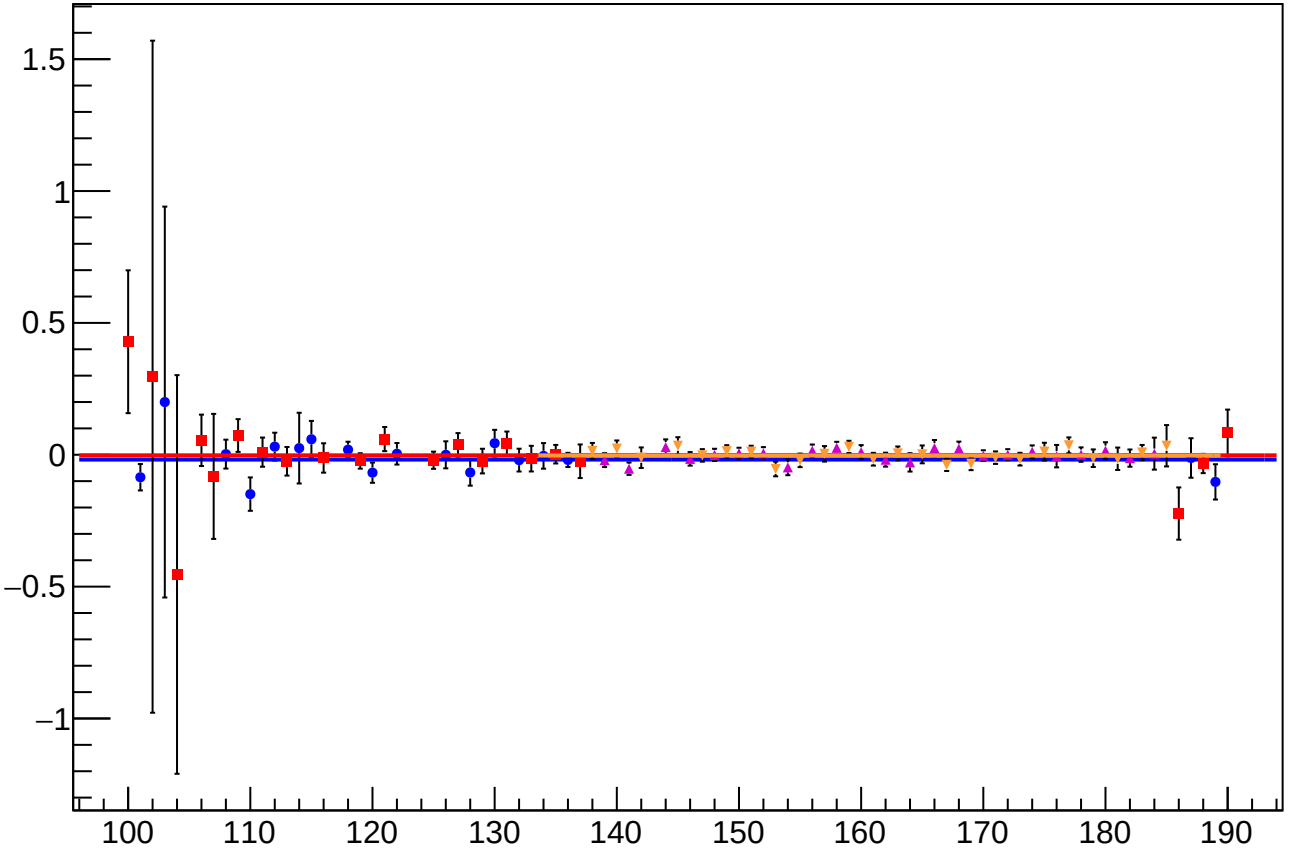
Right: 27.859+/-0.006 χ^2/NDF: 4695256.1/38

In: 22.375+/-0.003 χ^2/NDF:3049461.2/40

Out: 23.488+/-0.004 χ^2/NDF:4243113.7/44

All: 22.914+/-0.002 χ^2/NDF: 7342253.3/85

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.002+/-0.011 χ^2/NDF: 16.7/20

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

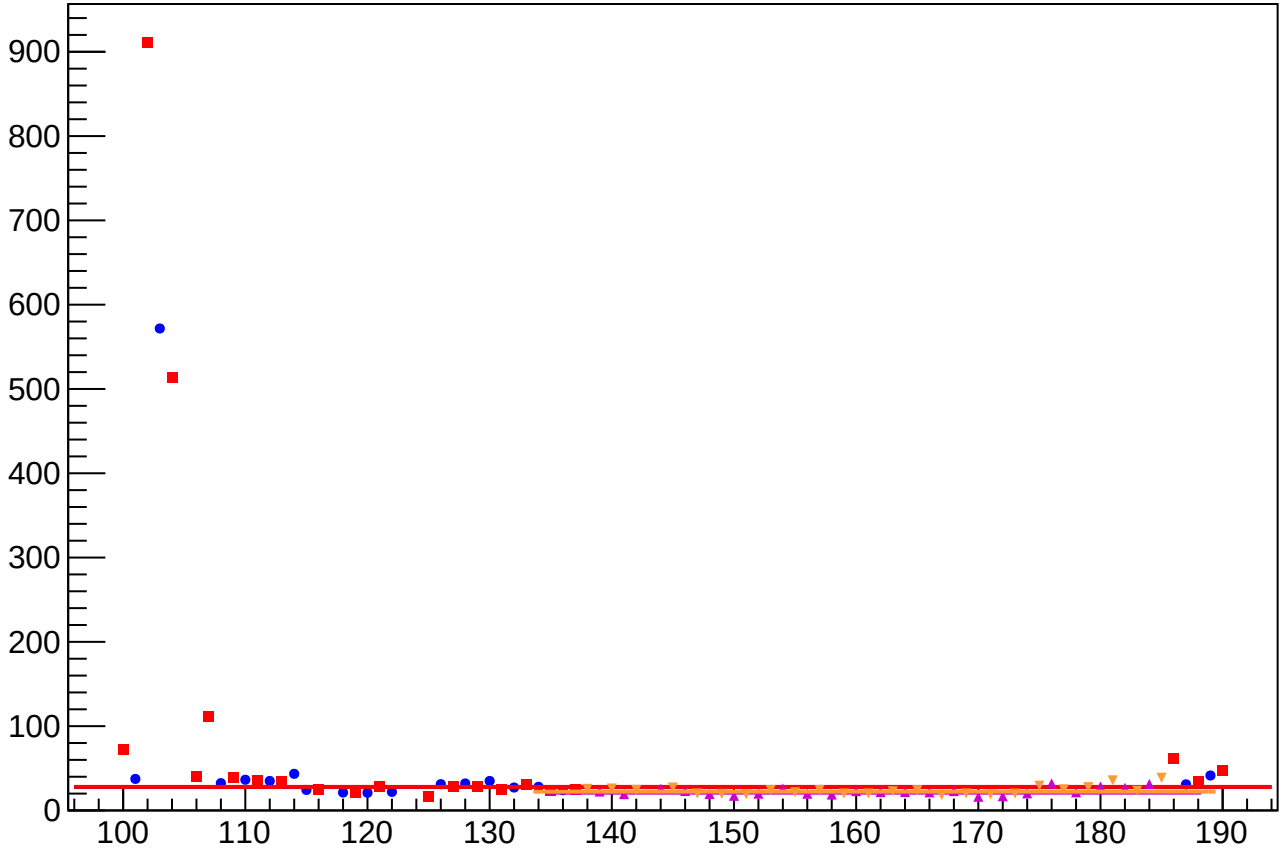
Right: -0.010+/-0.008 χ^2/NDF: 33.9/38

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:33.0/44

All: -0.003+/-0.004 χ^2/NDF: 66.2/85

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.929+/-0.008 χ^2/NDF: 3036139.8/20

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

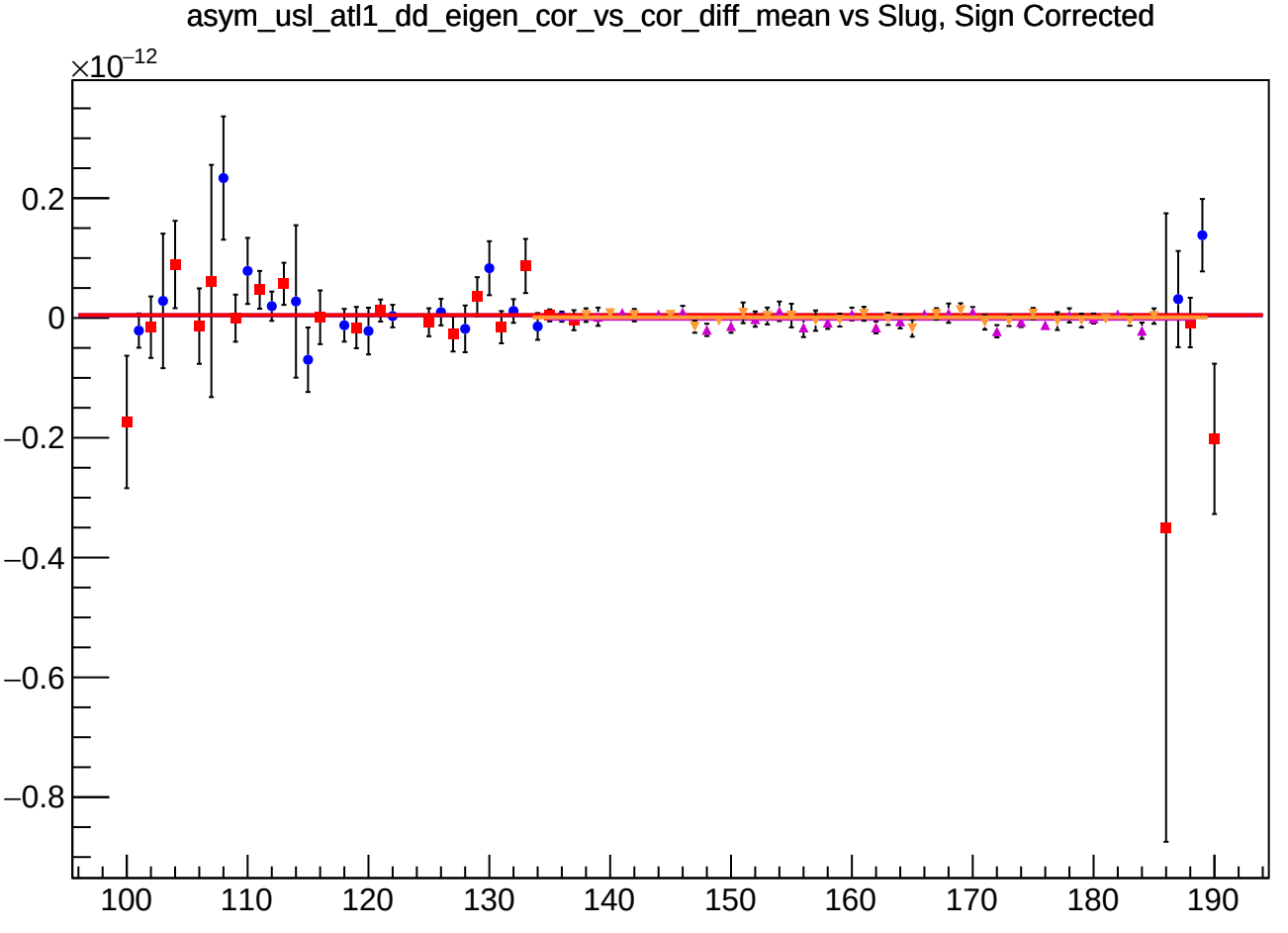
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 27.859+/-0.006 χ^2/NDF: 4695256.1/38

In: 22.375+/-0.003 χ^2/NDF:3049461.2/40

Out: 23.488+/-0.004 χ^2/NDF:4243113.7/44

All: 22.914+/-0.002 χ^2/NDF: 7342253.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/20

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

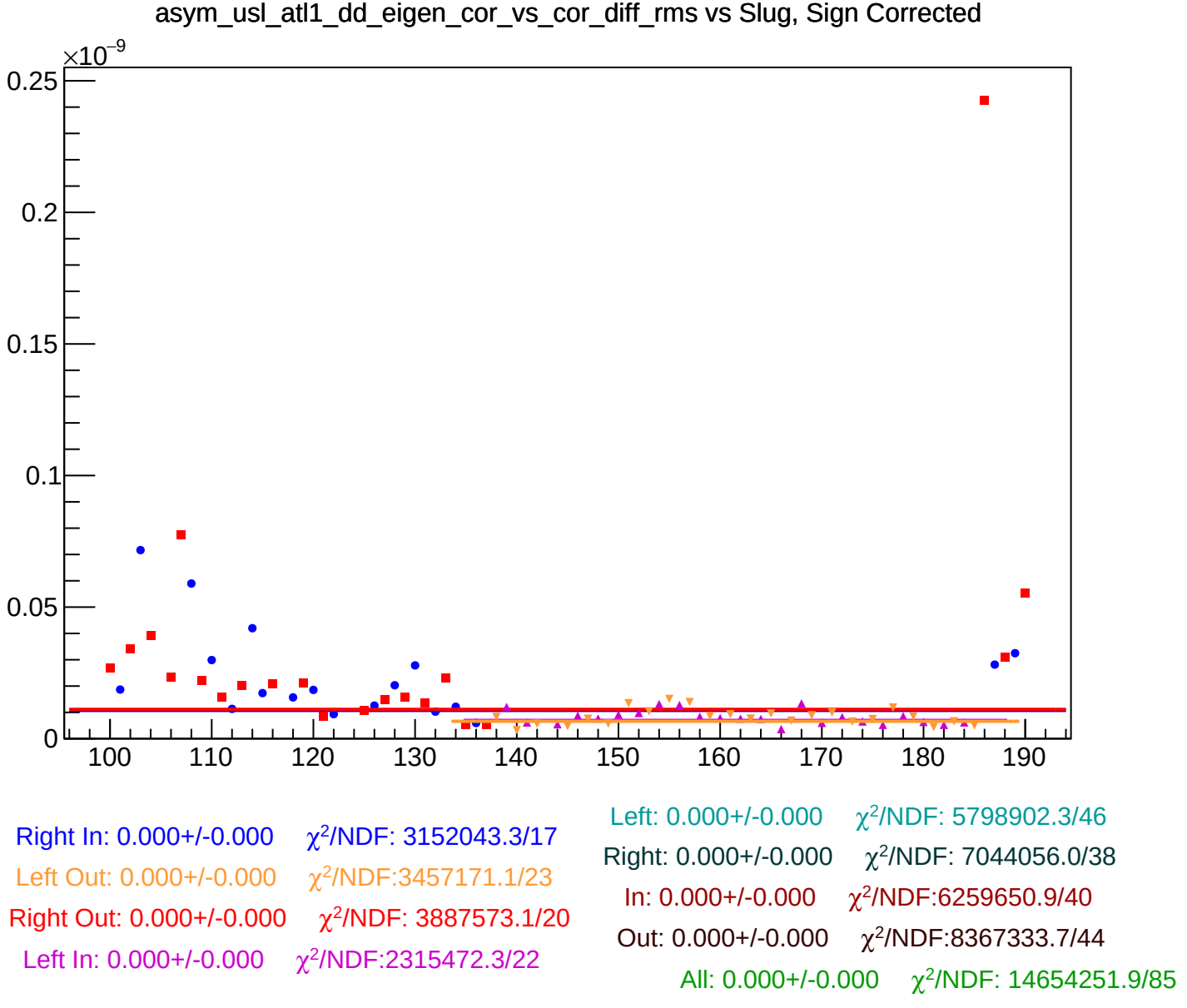
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

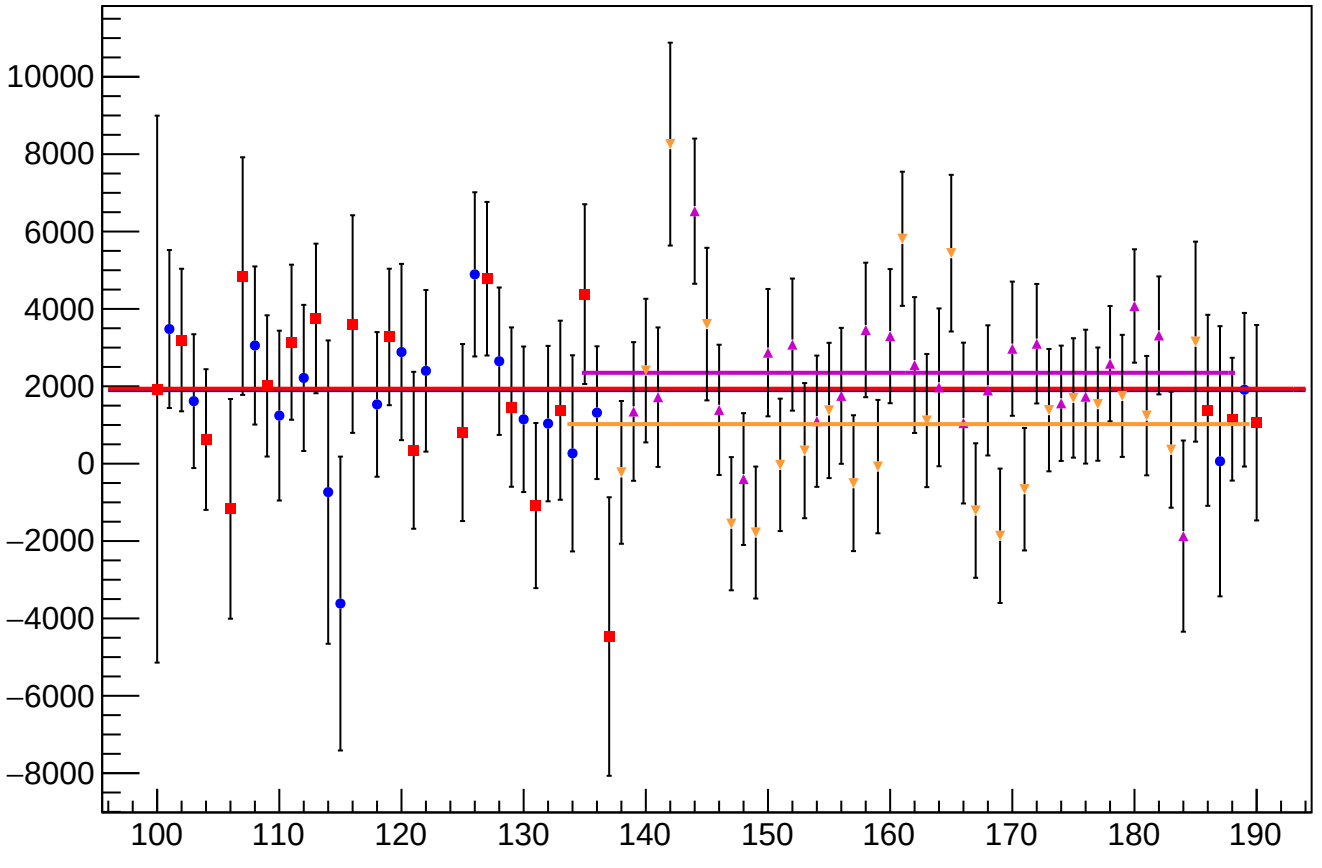
Right: 0.000+/-0.000 χ^2/NDF: 38.6/38

In: -0.000+/-0.000 χ^2/NDF:46.8/40

Out: 0.000+/-0.000 χ^2/NDF:30.5/44

All: 0.000+/-0.000 χ^2/NDF: 77.8/85


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3152043.3/17
Left Out: 0.000+/-0.000 χ²/NDF:3457171.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3887573.1/20
Left In: 0.000+/-0.000 χ²/NDF:2315472.3/22
Left: 0.000+/-0.000 χ²/NDF: 5798902.3/46
Right: 0.000+/-0.000 χ²/NDF: 7044056.0/38
In: 0.000+/-0.000 χ²/NDF:6259650.9/40
Out: 0.000+/-0.000 χ²/NDF:8367333.7/44
All: 0.000+/-0.000 χ²/NDF: 14654251.9/85



Right In: 1900.604+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 1937.640+/-475.560 χ^2/NDF: 15.0/20

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

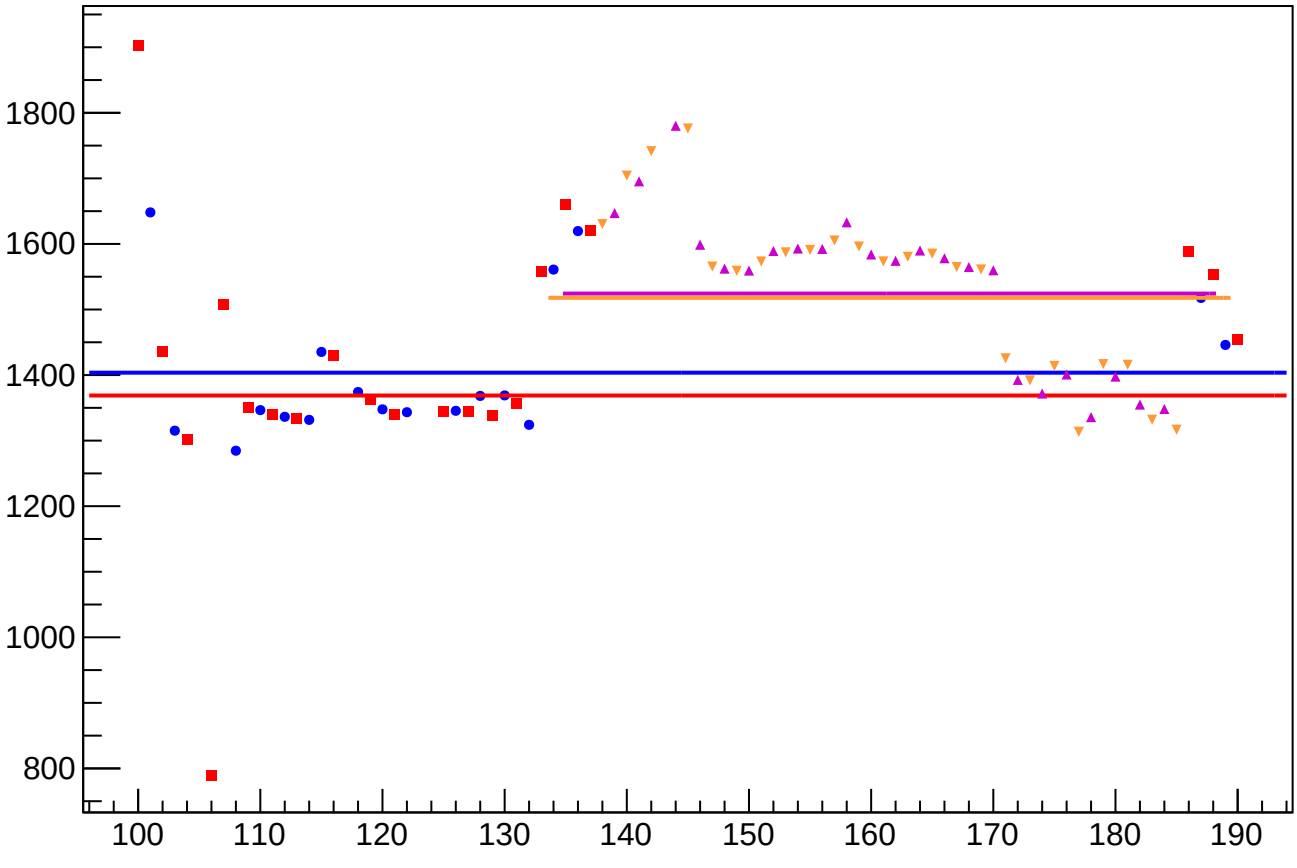
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 1920.042+/-344.521 χ^2/NDF: 22.2/38

In: 2197.600+/-290.539 χ^2/NDF:23.7/40

Out: 1348.213+/-283.684 χ^2/NDF:53.8/44

All: 1762.768+/-202.975 χ^2/NDF: 81.9/85



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.2/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1368.817+/-0.327 χ^2/NDF: 370266.3/20

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

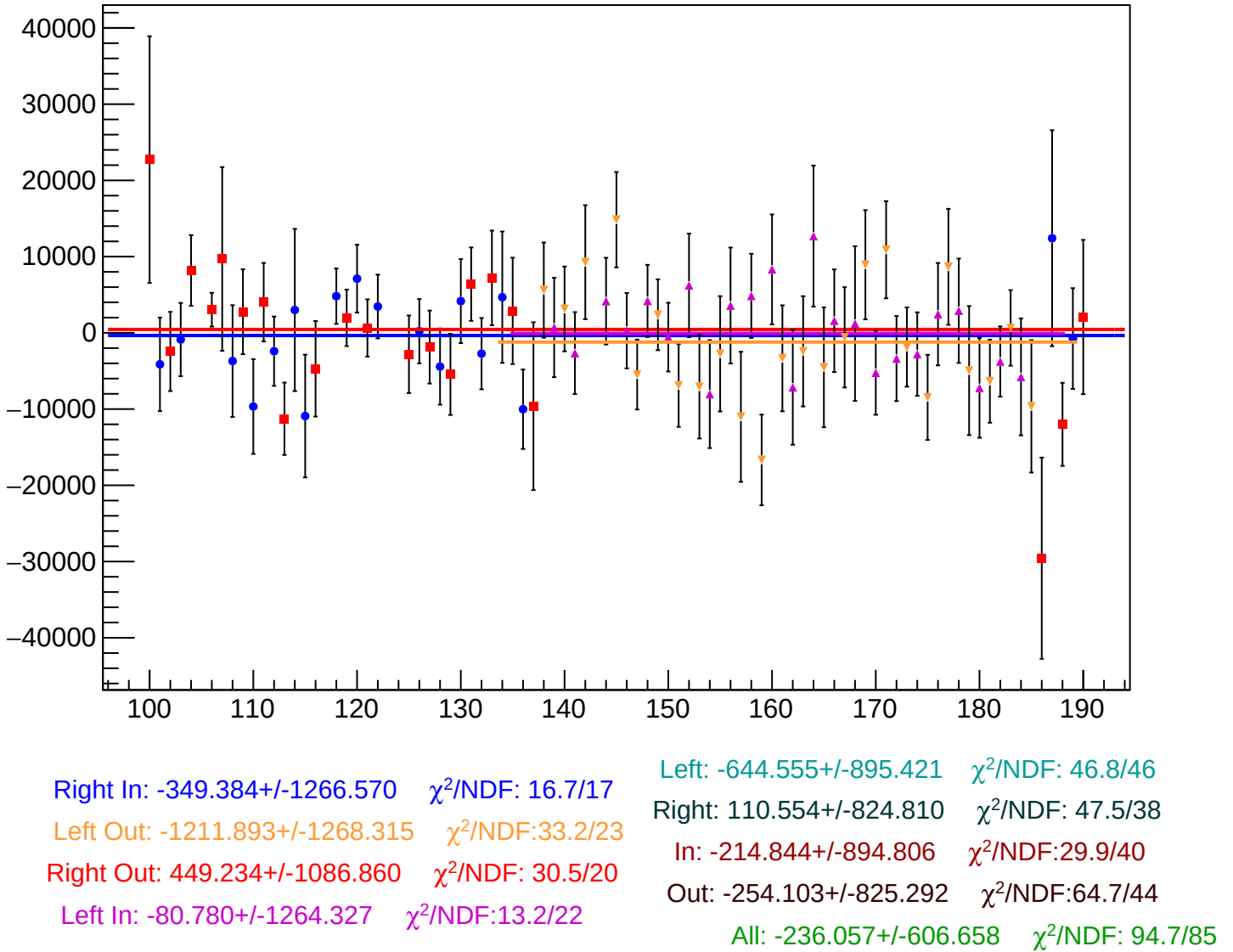
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

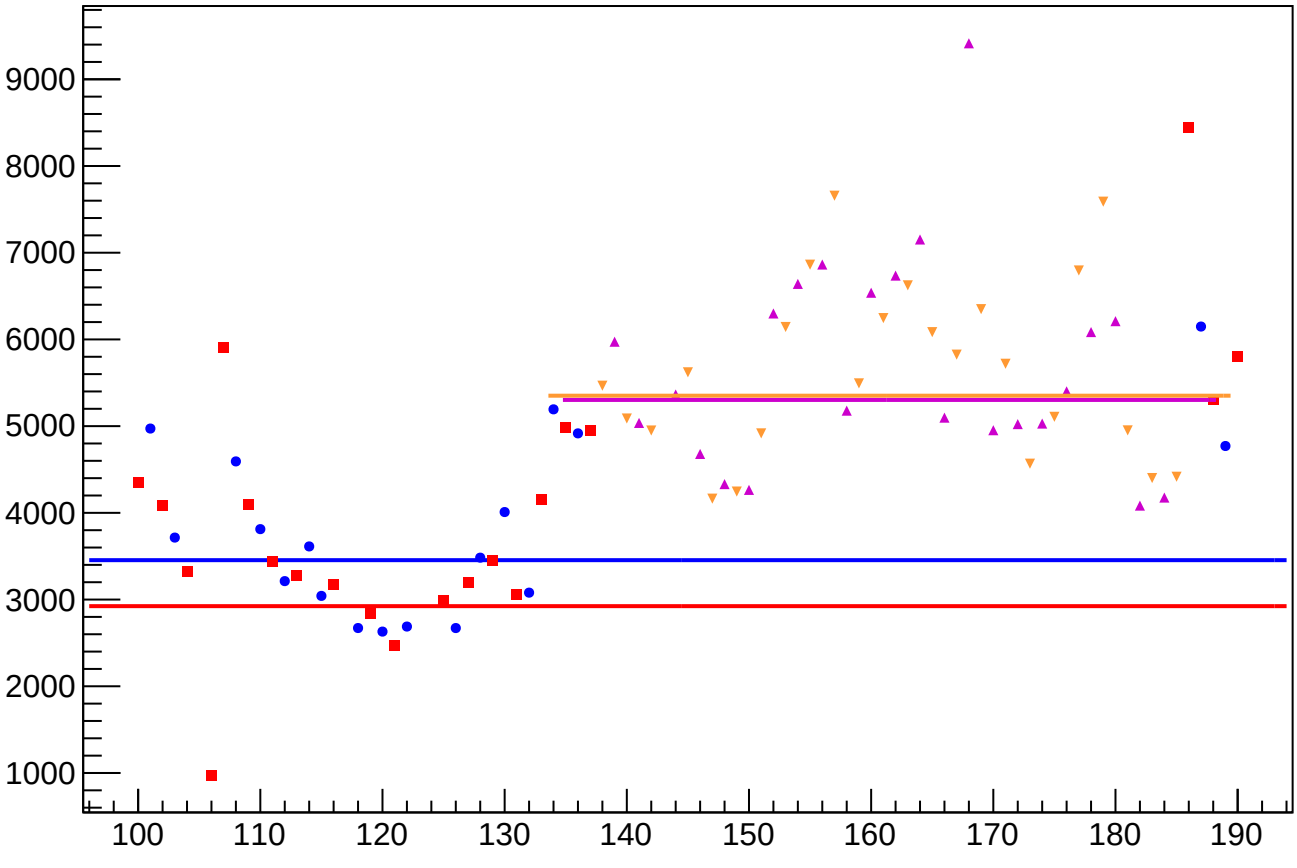
Right: 1384.900+/-0.240 χ^2/NDF: 472676.6/38

In: 1483.535+/-0.205 χ^2/NDF:398699.1/40

Out: 1462.953+/-0.199 χ^2/NDF:735083.3/44

All: 1472.899+/-0.143 χ^2/NDF: 1138969.0/85


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -349.384+/-1266.570 χ²/NDF: 16.7/17
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 449.234+/-1086.860 χ²/NDF: 30.5/20
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: 110.554+/-824.810 χ²/NDF: 47.5/38
In: -214.844+/-894.806 χ²/NDF:29.9/40
Out: -254.103+/-825.292 χ²/NDF:64.7/44
All: -236.057+/-606.658 χ²/NDF: 94.7/85



Right In: 3454.365+/-0.896 χ^2/NDF: 915381.8/17

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2924.032+/-0.769 χ^2/NDF: 3208154.7/20

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

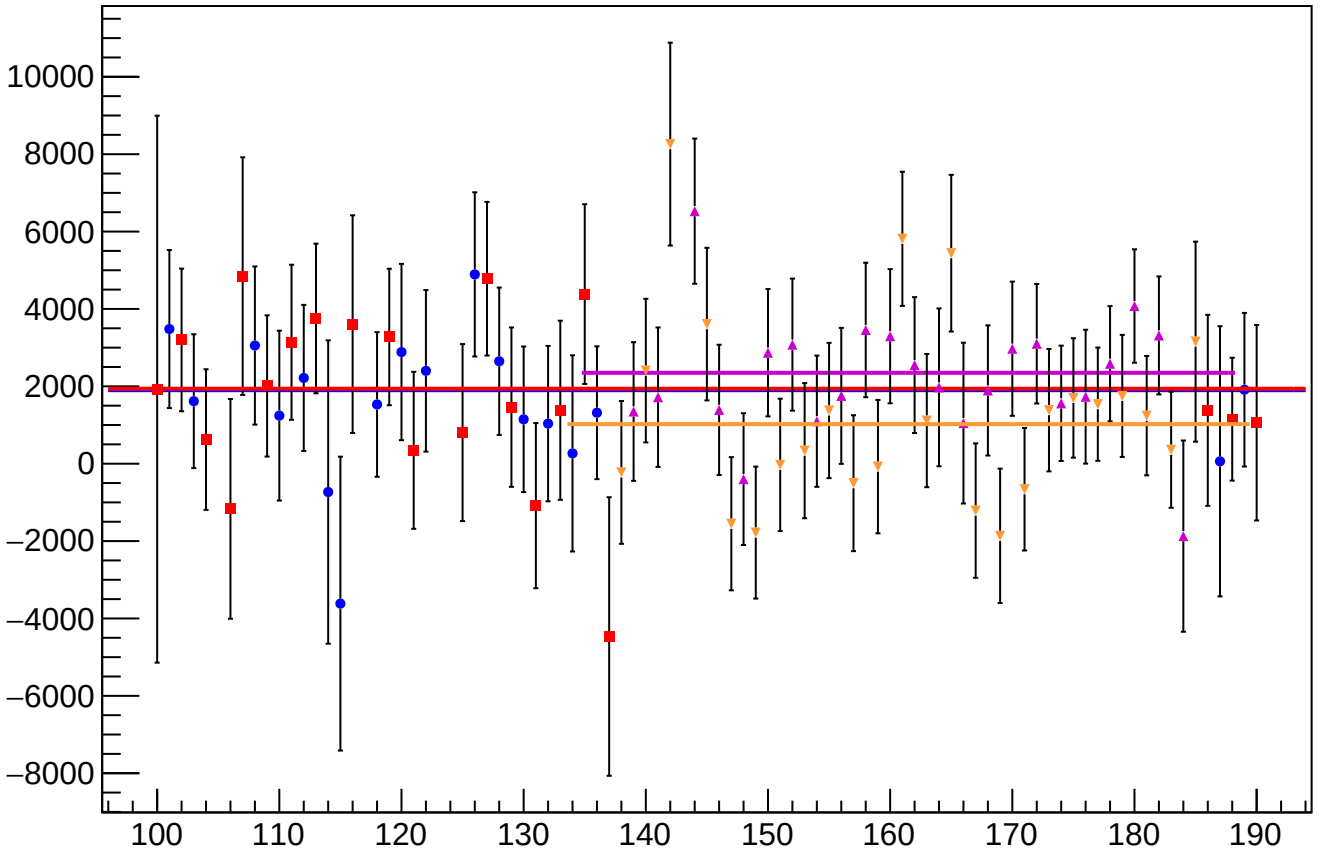
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3148.937+/-0.583 χ^2/NDF: 4325479.8/38

In: 4379.913+/-0.633 χ^2/NDF:4303900.4/40

Out: 3951.687+/-0.584 χ^2/NDF:8497154.8/44

All: 4148.522+/-0.429 χ^2/NDF: 13048564.8/8



Right In: 1900.694+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1937.828+/-475.563 χ^2/NDF: 15.0/20

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

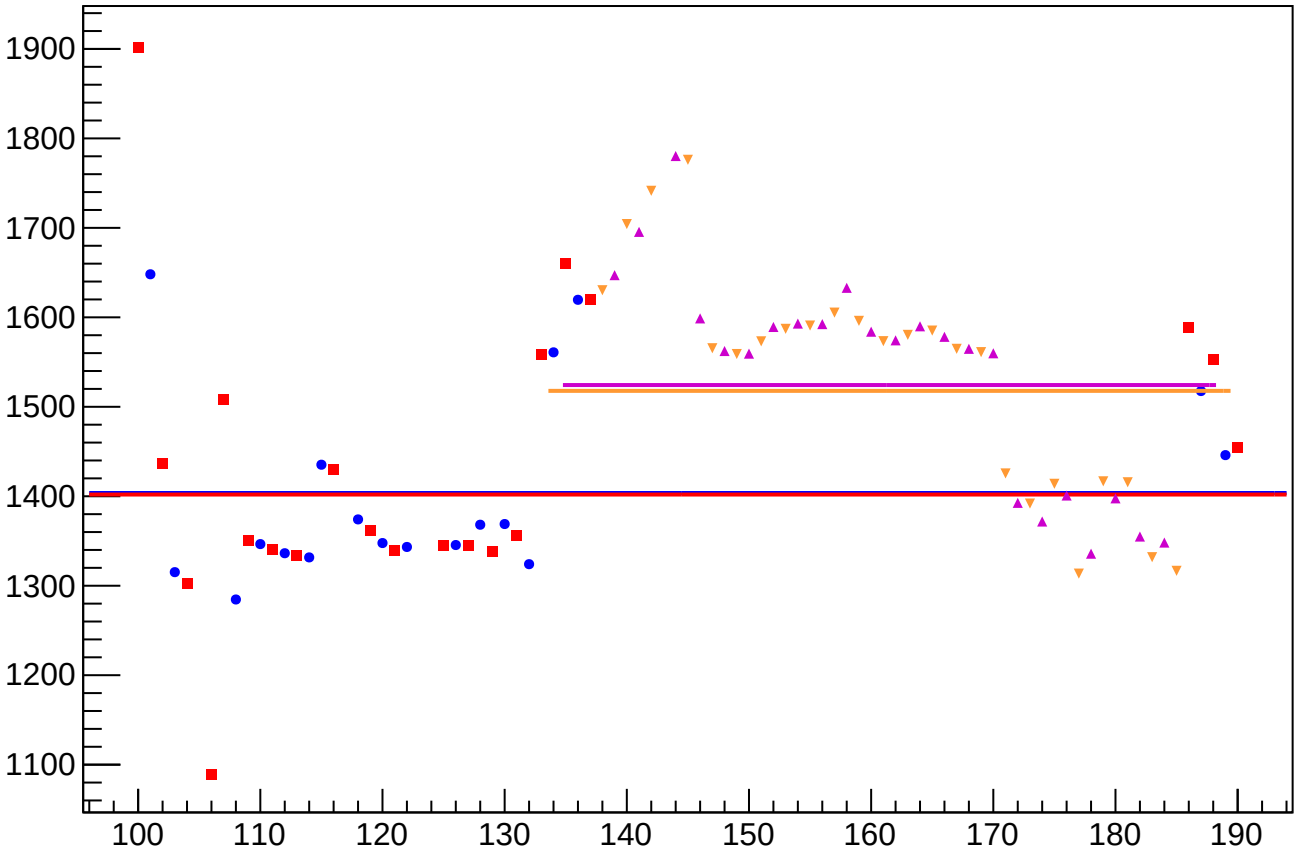
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1920.183+/-344.522 χ^2/NDF: 22.2/38

In: 2197.628+/-290.539 χ^2/NDF:23.7/40

Out: 1348.297+/-283.684 χ^2/NDF:53.8/44

All: 1762.826+/-202.975 χ^2/NDF: 81.9/85



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1401.935+/-0.333 χ^2/NDF: 149425.8/20

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

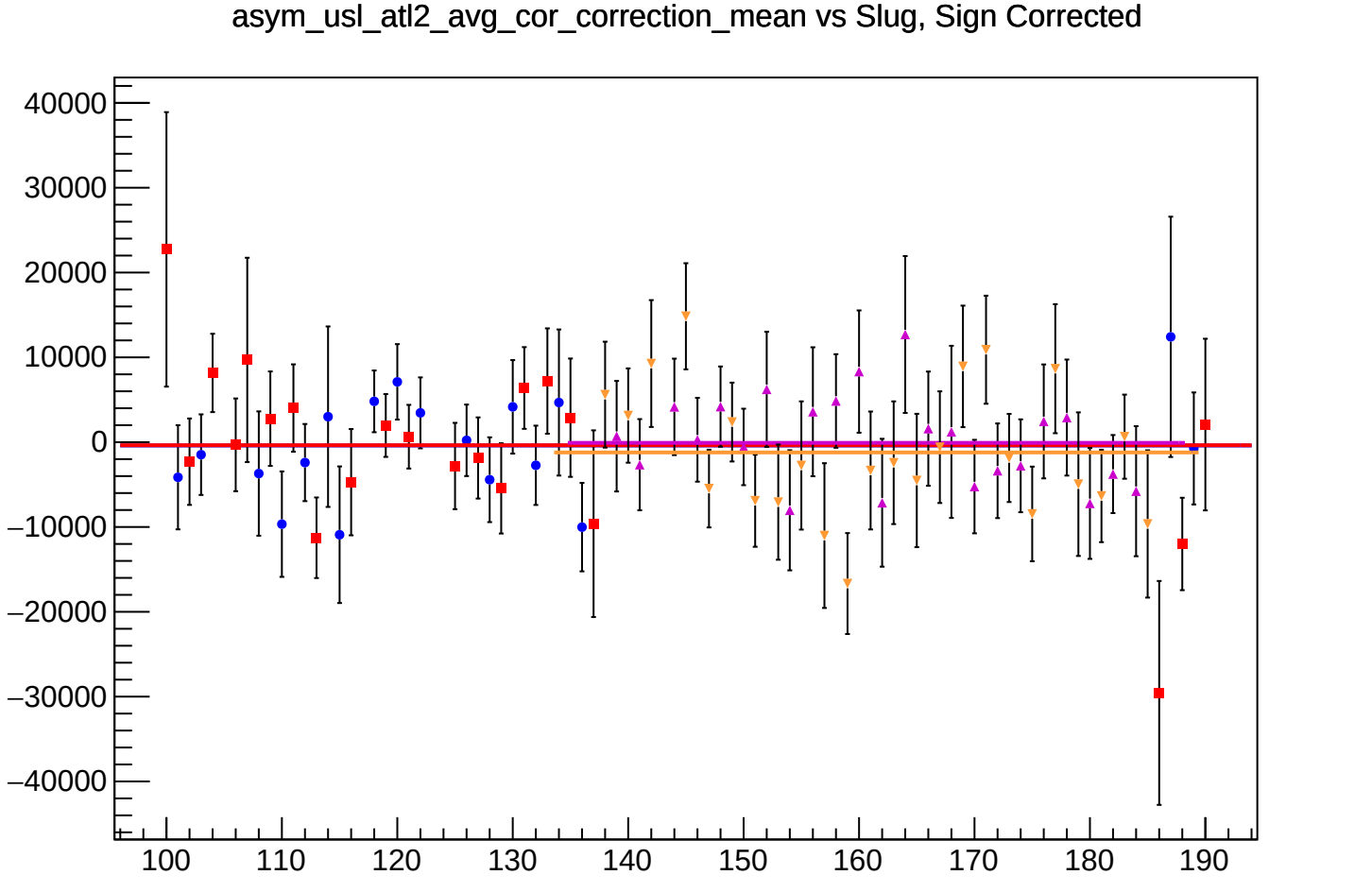
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1402.736+/-0.242 χ^2/NDF: 246623.3/38

In: 1483.535+/-0.205 χ^2/NDF:398699.2/40

Out: 1475.982+/-0.200 χ^2/NDF:460987.6/44

All: 1479.653+/-0.143 χ^2/NDF: 860381.4/85



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -364.035+/-1214.674 χ^2/NDF: 28.7/20

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

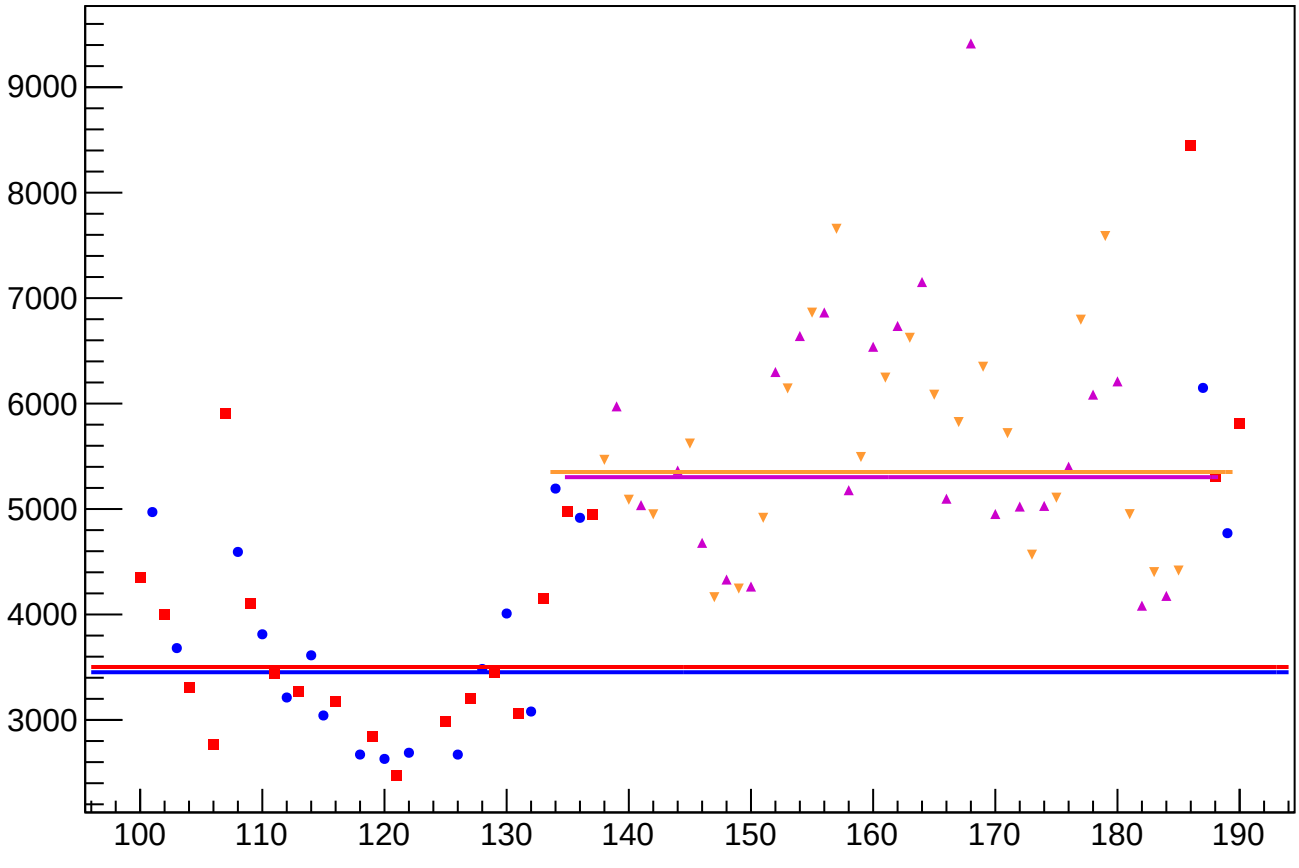
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -377.870+/-876.371 χ^2/NDF: 45.5/38

In: -236.626+/-894.481 χ^2/NDF:30.0/40

Out: -769.654+/-877.255 χ^2/NDF:62.2/44

All: -508.321+/-626.314 χ^2/NDF: 92.4/85



Right In: 3452.341+/-0.895 χ^2/NDF: 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3502.036+/-0.859 χ^2/NDF: 1186890.0/20

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

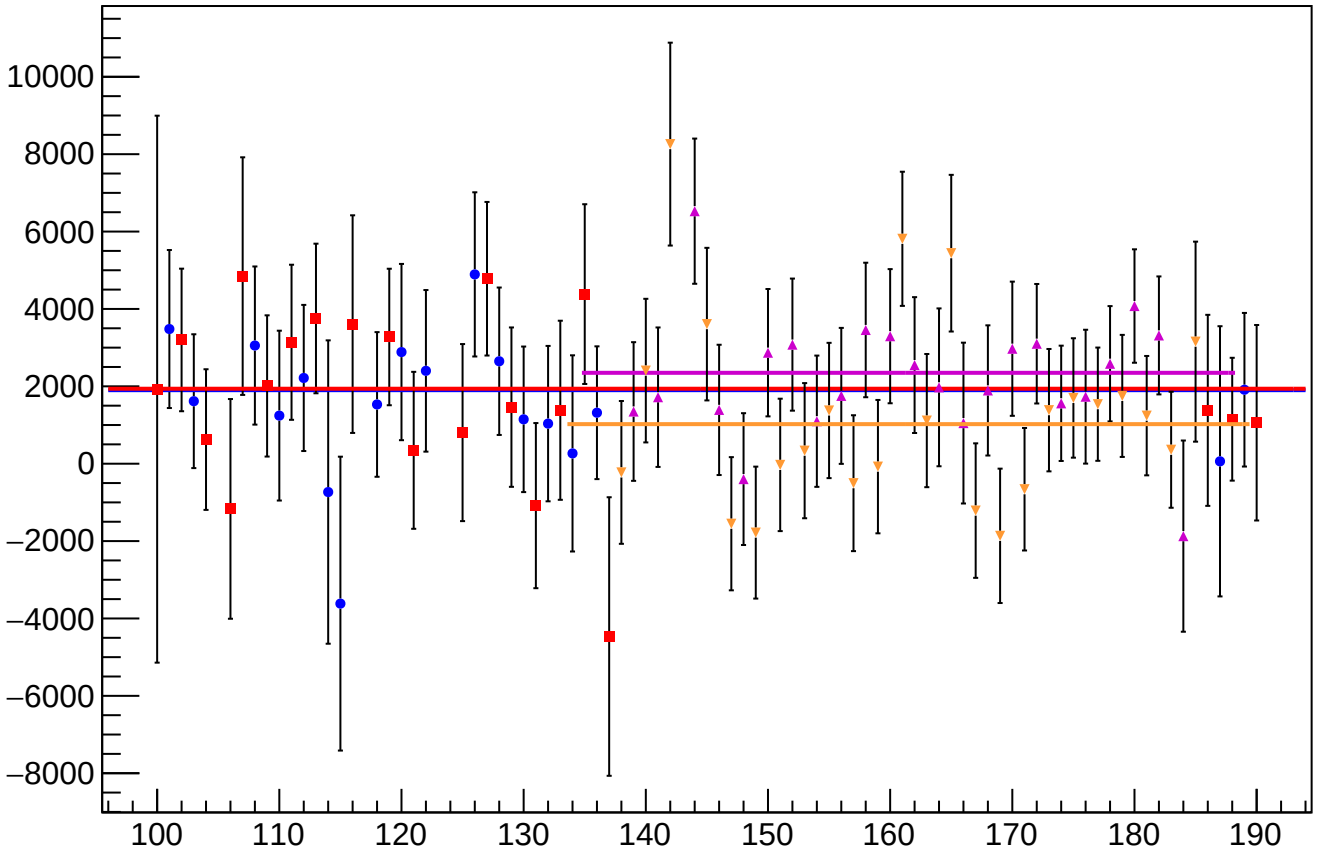
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3478.210+/-0.620 χ^2/NDF: 2102428.8/38

In: 4378.228+/-0.632 χ^2/NDF:4308681.1/40

Out: 4386.654+/-0.620 χ^2/NDF:4470237.8/44

All: 4382.523+/-0.443 χ^2/NDF: 8779009.4/85



Right In: 1900.694+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1937.828+/-475.563 χ^2/NDF: 15.0/20

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

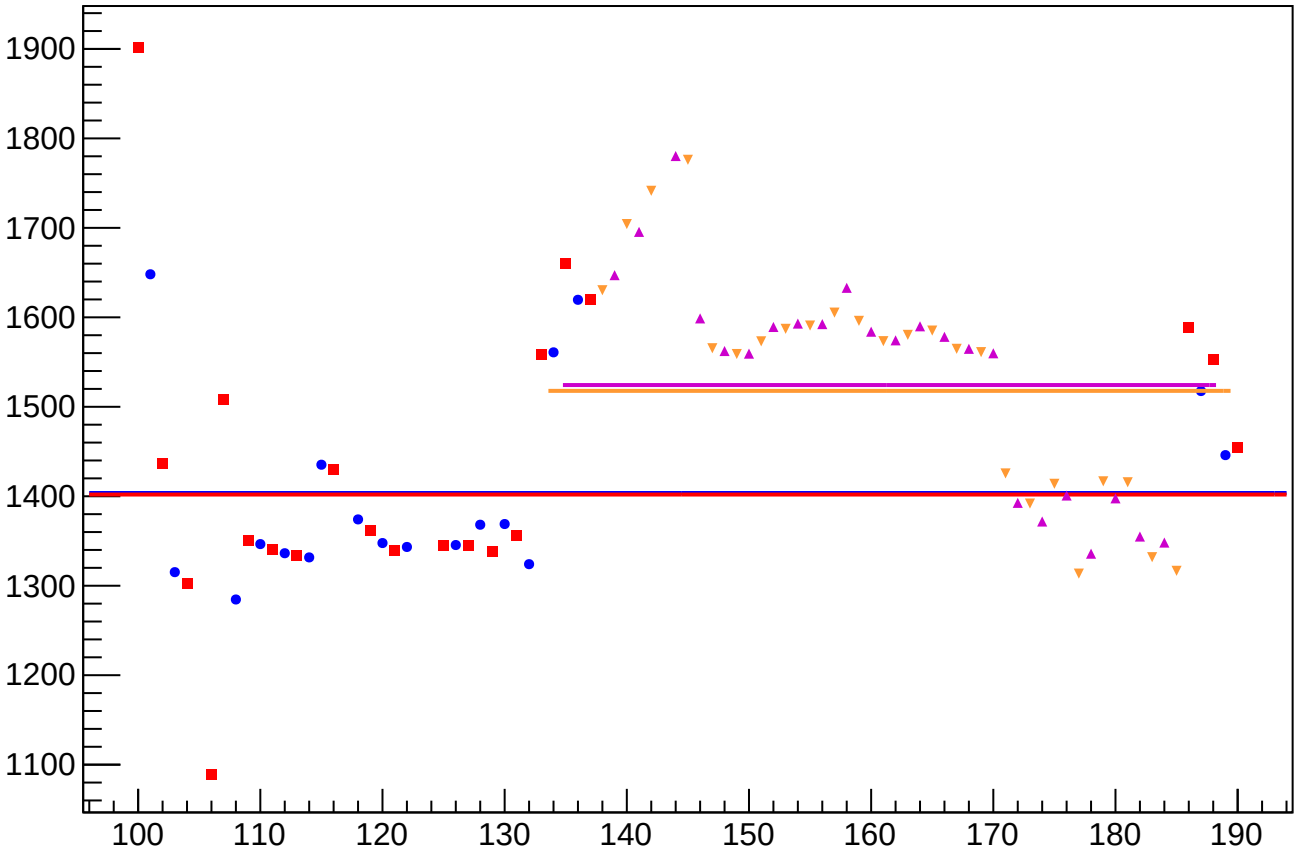
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1920.183+/-344.522 χ^2/NDF: 22.2/38

In: 2197.628+/-290.539 χ^2/NDF:23.7/40

Out: 1348.297+/-283.684 χ^2/NDF:53.8/44

All: 1762.826+/-202.975 χ^2/NDF: 81.9/85



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1401.935+/-0.333 χ^2/NDF: 149425.8/20

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

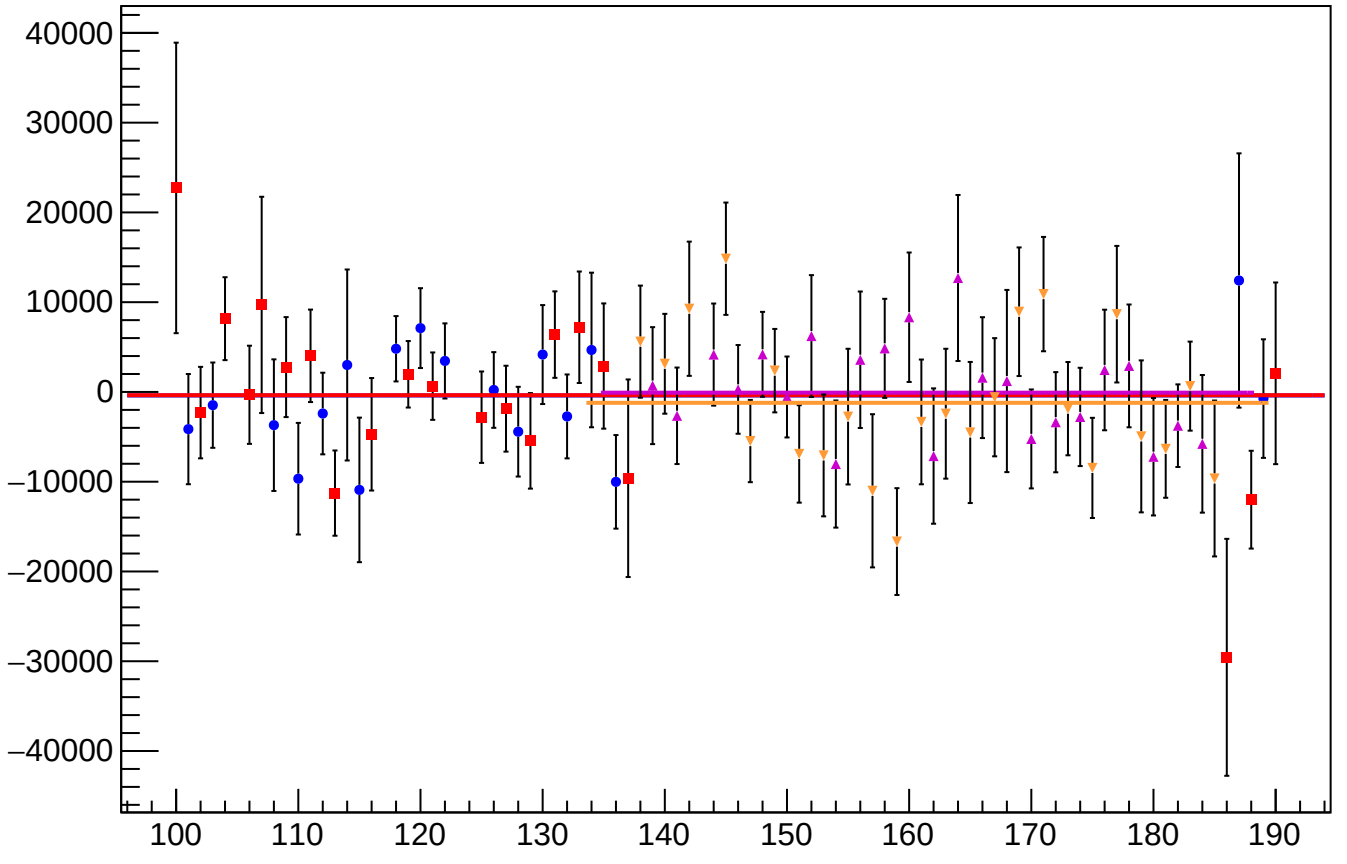
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1402.736+/-0.242 χ^2/NDF: 246623.3/38

In: 1483.535+/-0.205 χ^2/NDF:398699.2/40

Out: 1475.982+/-0.200 χ^2/NDF:460987.6/44

All: 1479.653+/-0.143 χ^2/NDF: 860381.4/85



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -364.035+/-1214.674 χ^2/NDF: 28.7/20

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

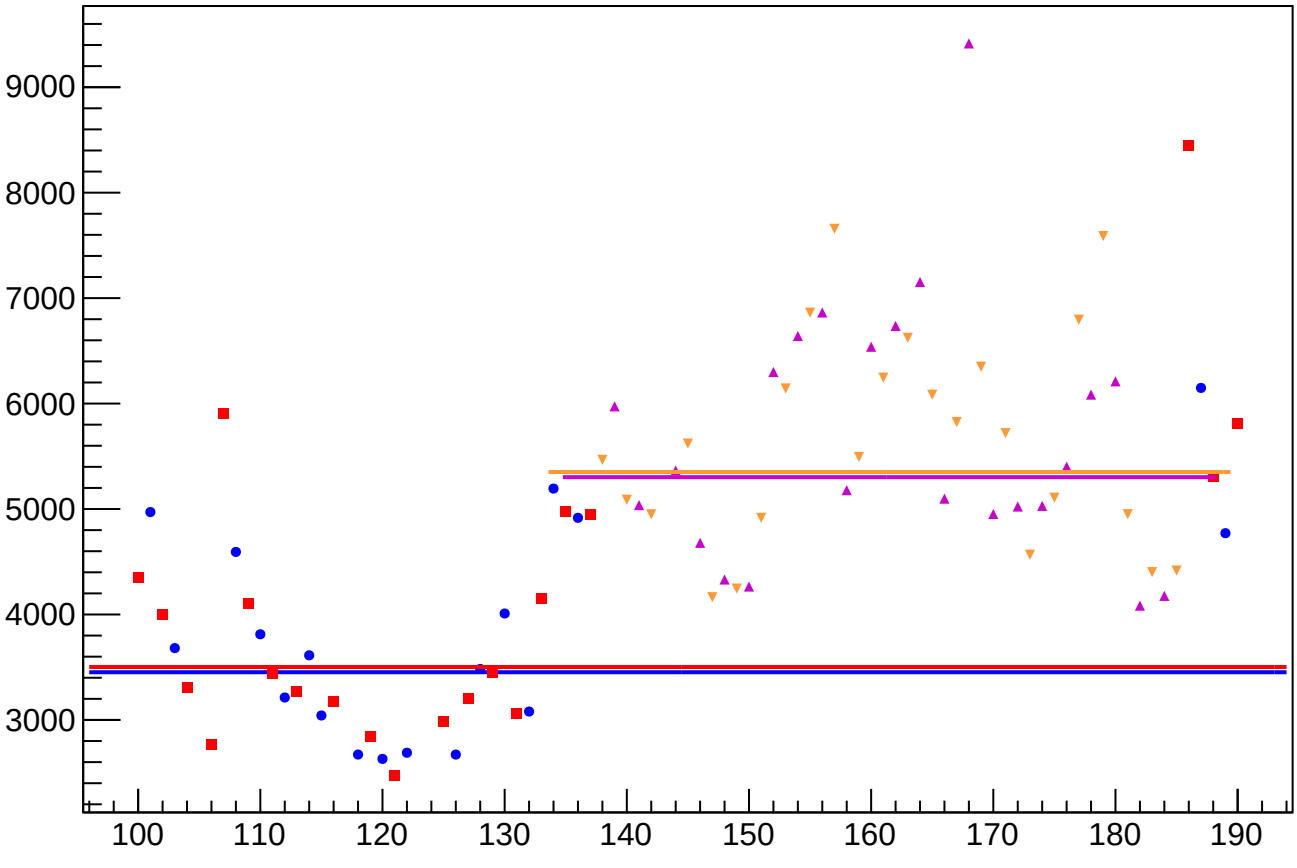
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -377.870+/-876.371 χ^2/NDF: 45.5/38

In: -236.626+/-894.481 χ^2/NDF:30.0/40

Out: -769.654+/-877.255 χ^2/NDF:62.2/44

All: -508.321+/-626.314 χ^2/NDF: 92.4/85



Right In: 3452.341+/-0.895 χ^2/NDF: 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3502.036+/-0.859 χ^2/NDF: 1186890.0/20

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

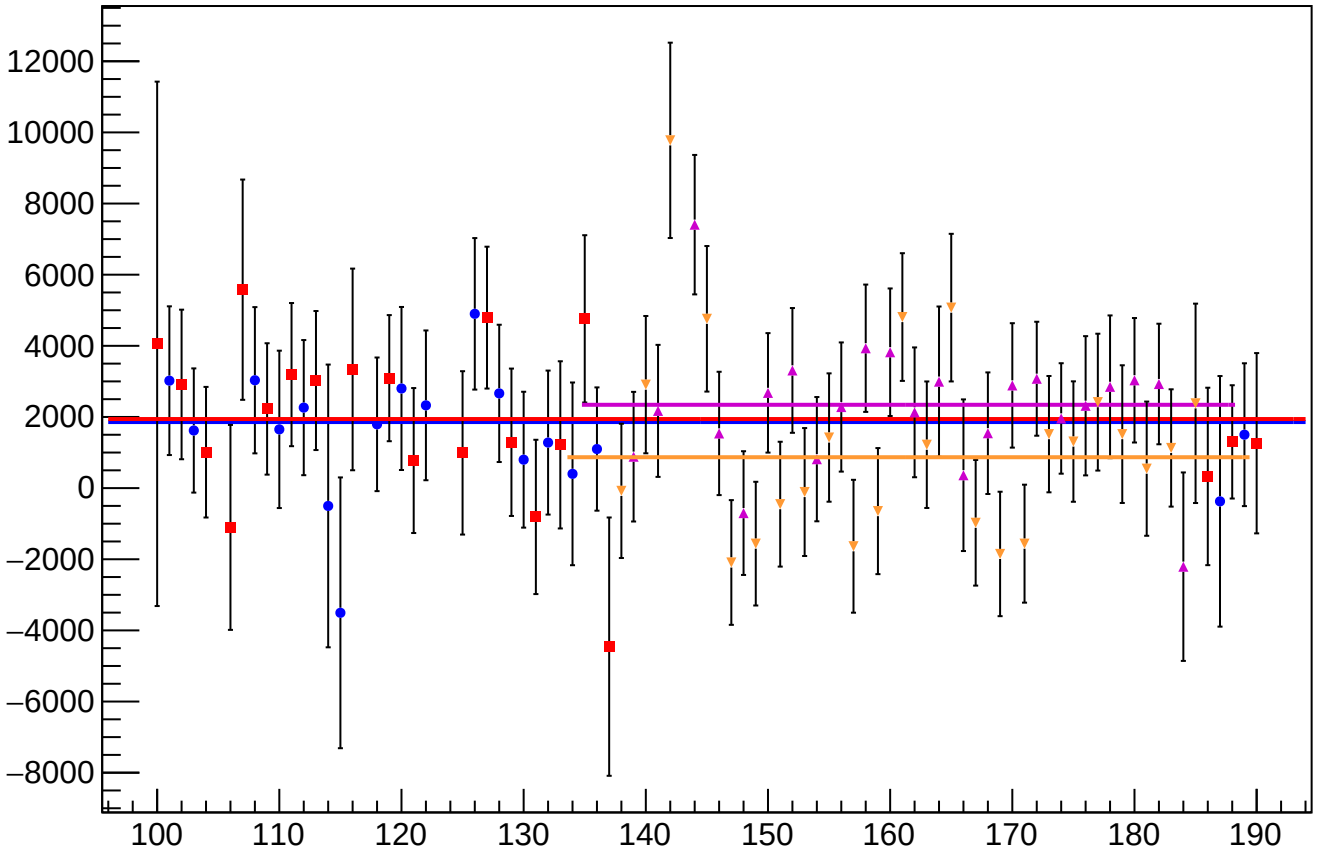
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3478.210+/-0.620 χ^2/NDF: 2102428.8/38

In: 4378.228+/-0.632 χ^2/NDF:4308681.1/40

Out: 4386.654+/-0.620 χ^2/NDF:4470237.8/44

All: 4382.523+/-0.443 χ^2/NDF: 8779009.4/85



Right In: 1857.118+/-504.595 χ^2/NDF: 6.8/17

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 1942.180+/-482.978 χ^2/NDF: 14.0/20

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

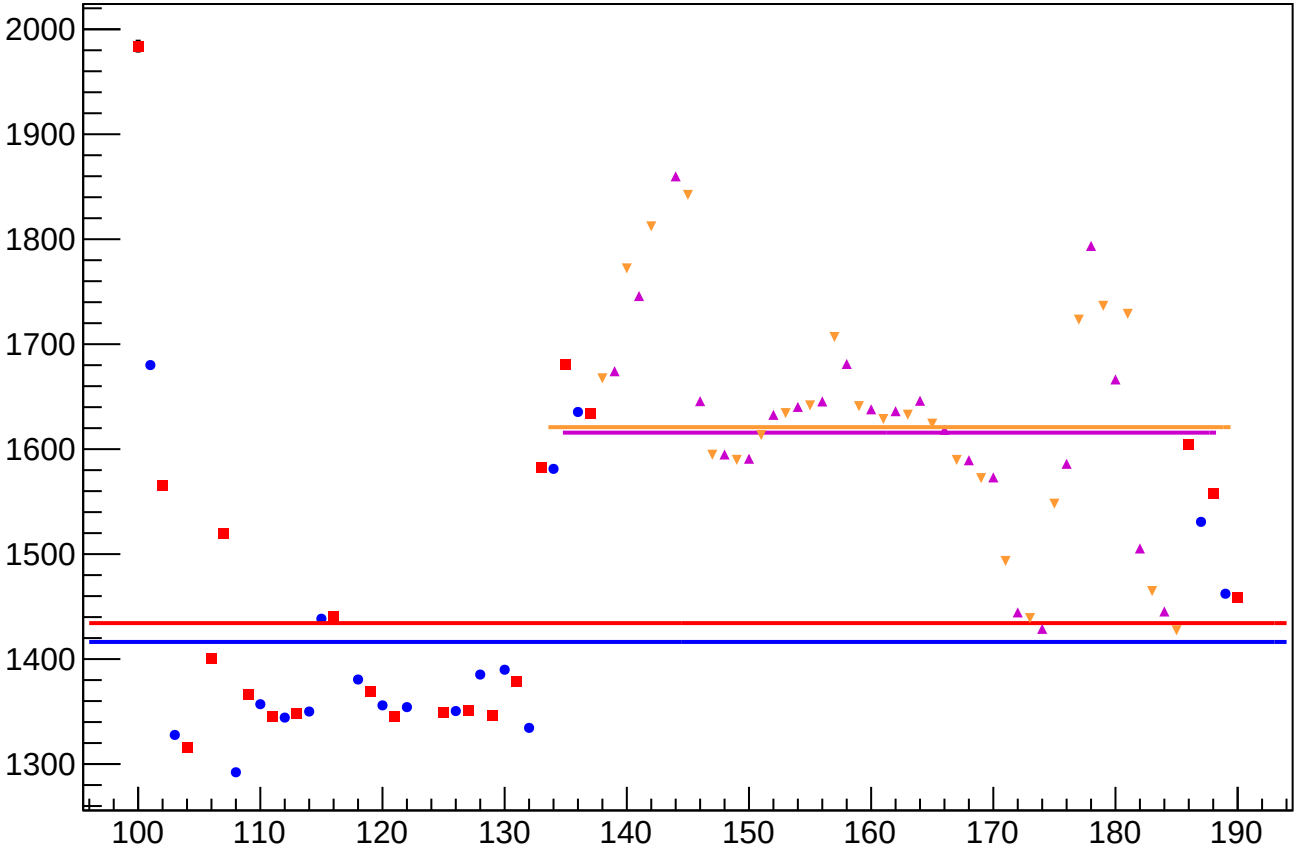
Right: 1901.510+/-348.909 χ^2/NDF: 20.8/38

In: 2167.833+/-302.587 χ^2/NDF:25.4/40

Out: 1275.194+/-297.270 χ^2/NDF:56.8/44

All: 1713.603+/-212.056 χ^2/NDF: 86.7/85

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1416.324+/-0.357 χ^2/NDF: 102543.0/17

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1434.267+/-0.341 χ^2/NDF: 114785.0/20

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

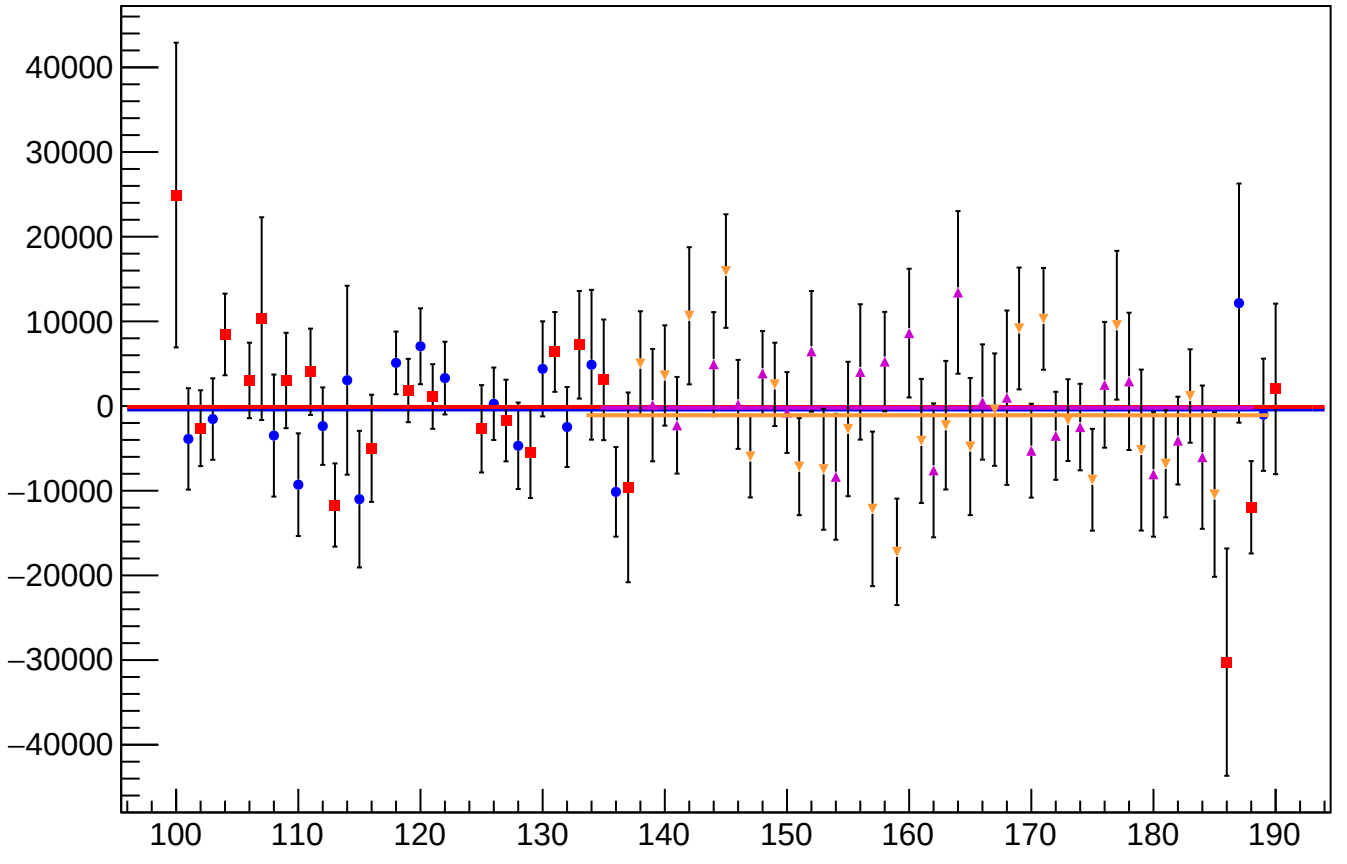
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1425.708+/-0.246 χ^2/NDF: 218650.5/38

In: 1544.008+/-0.214 χ^2/NDF:439651.9/40

Out: 1550.029+/-0.210 χ^2/NDF:442882.0/44

All: 1547.075+/-0.150 χ^2/NDF: 882937.1/85



Right In: -405.672+/-1278.626 χ^2/NDF: 16.6/17

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -107.239+/-1202.871 χ^2/NDF: 29.5/20

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

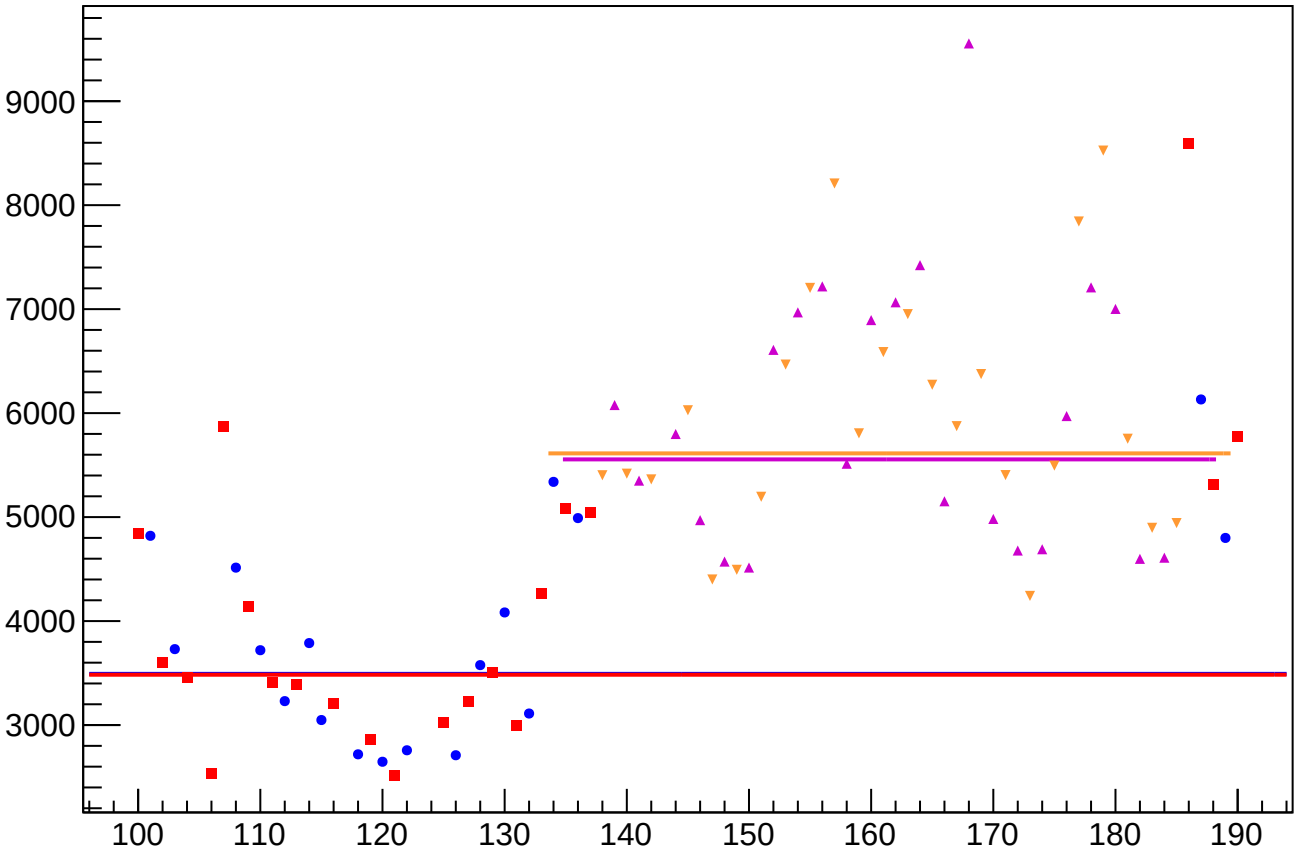
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -247.353+/-876.116 χ^2/NDF: 46.1/38

In: -307.390+/-920.476 χ^2/NDF:29.5/40

Out: -545.051+/-892.850 χ^2/NDF:62.7/44

All: -429.840+/-640.884 χ^2/NDF: 92.3/85



Right In: 3492.350+/-0.904 χ^2/NDF: 875255.8/17

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3484.113+/-0.851 χ^2/NDF: 1228897.0/20

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

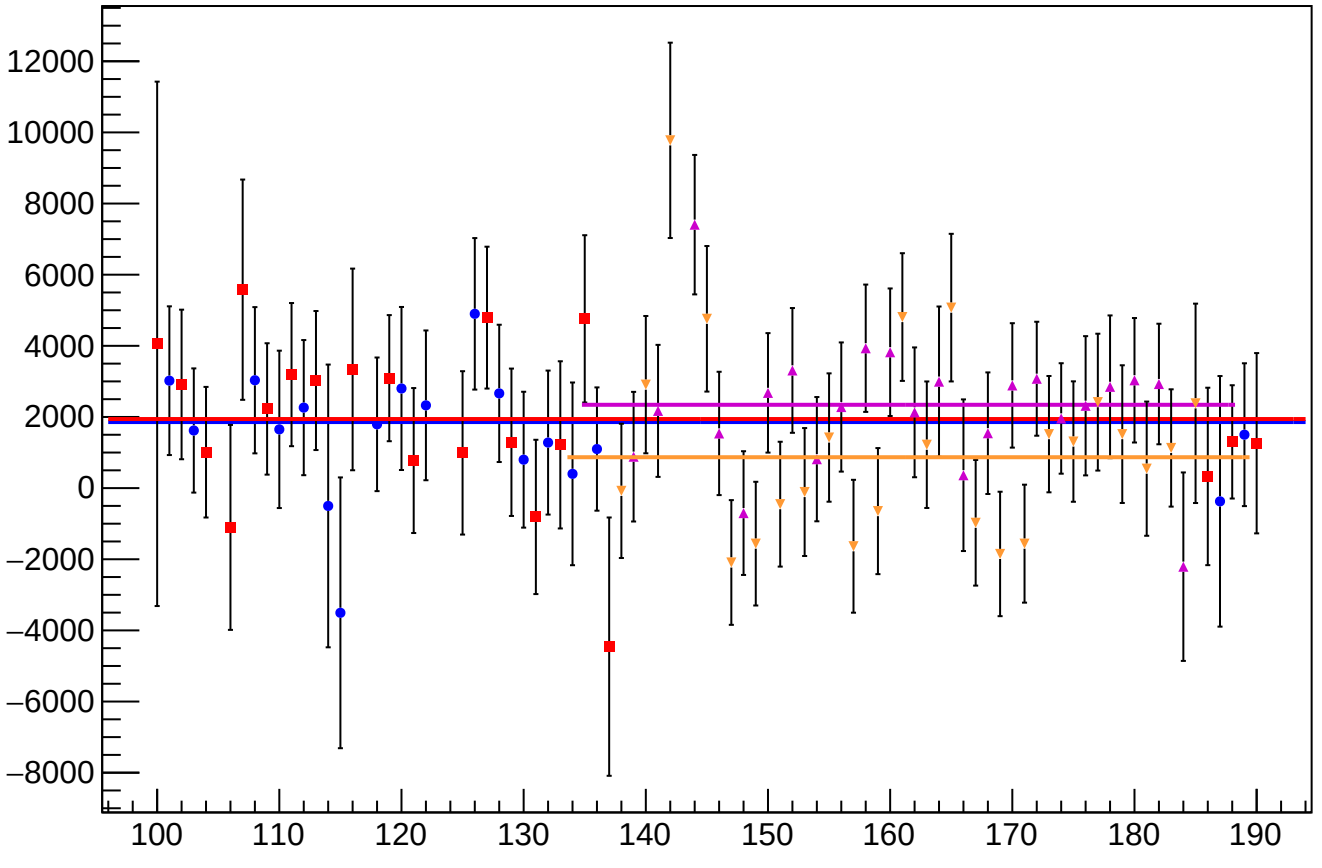
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3487.980+/-0.620 χ^2/NDF: 2104196.9/38

In: 4486.001+/-0.651 χ^2/NDF:4715415.2/40

Out: 4439.950+/-0.631 χ^2/NDF:5229389.6/44

All: 4462.274+/-0.453 χ^2/NDF: 9947384.1/85



Right In: 1857.120+/-504.595 χ^2/NDF: 6.8/17

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 1942.180+/-482.978 χ^2/NDF: 14.0/20

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

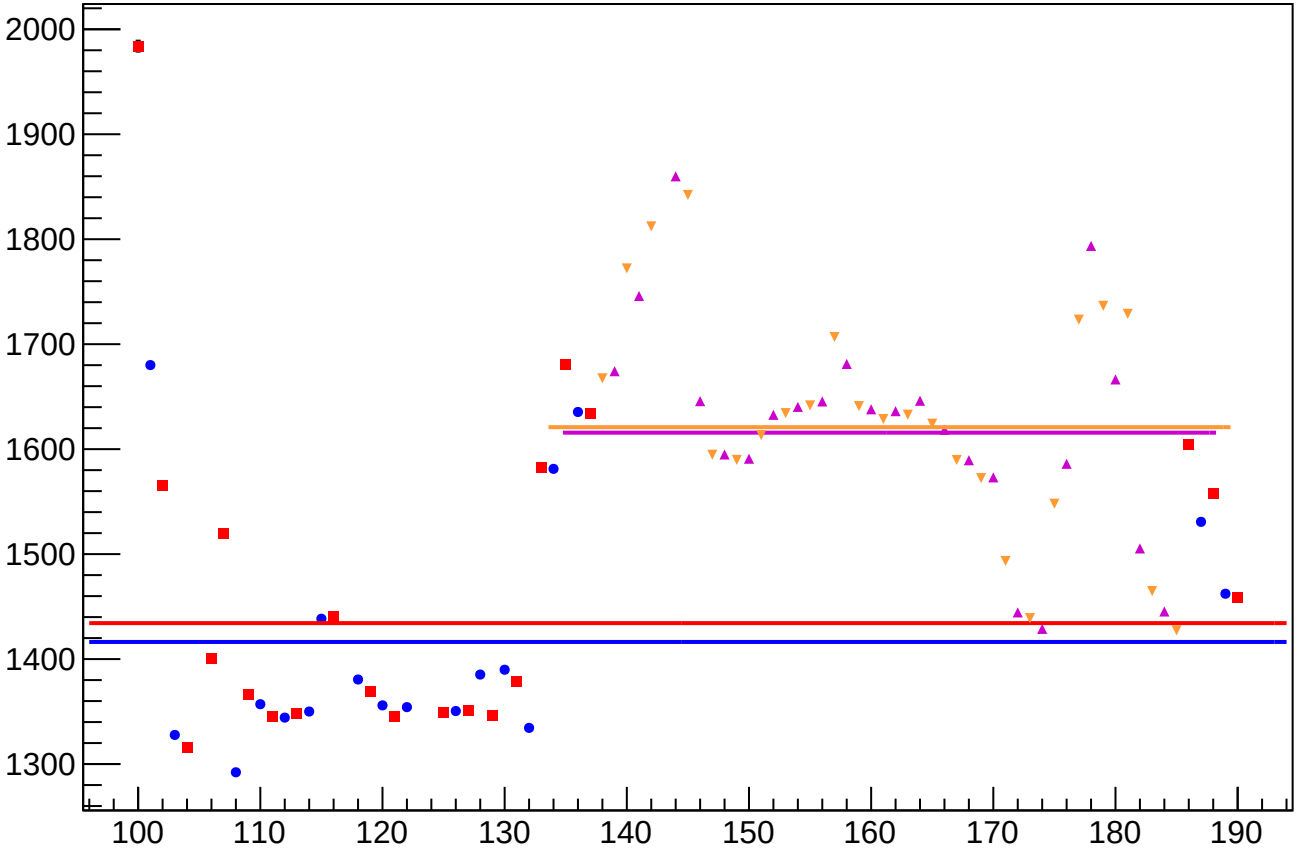
Right: 1901.511+/-348.909 χ^2/NDF: 20.8/38

In: 2167.833+/-302.587 χ^2/NDF:25.4/40

Out: 1275.191+/-297.271 χ^2/NDF:56.8/44

All: 1713.602+/-212.057 χ^2/NDF: 86.7/85

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1416.324+/-0.357 χ^2/NDF: 102543.0/17

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1434.267+/-0.341 χ^2/NDF: 114785.0/20

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

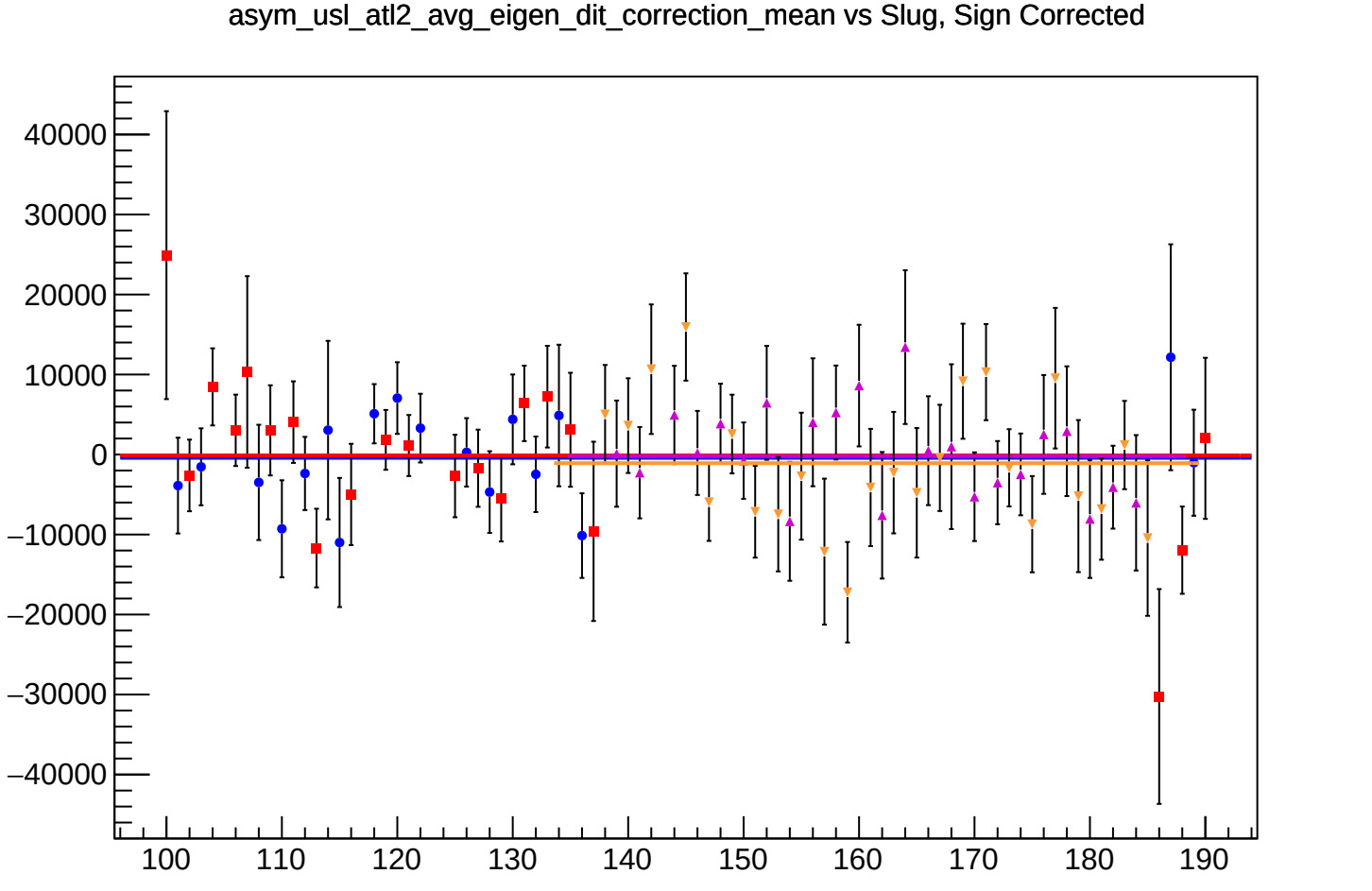
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1425.708+/-0.246 χ^2/NDF: 218650.5/38

In: 1544.009+/-0.214 χ^2/NDF:439659.0/40

Out: 1550.030+/-0.210 χ^2/NDF:442889.7/44

All: 1547.075+/-0.150 χ^2/NDF: 882951.8/85



Right In: -405.666+/-1278.623 χ^2/NDF: 16.6/17

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -107.232+/-1202.867 χ^2/NDF: 29.5/20

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

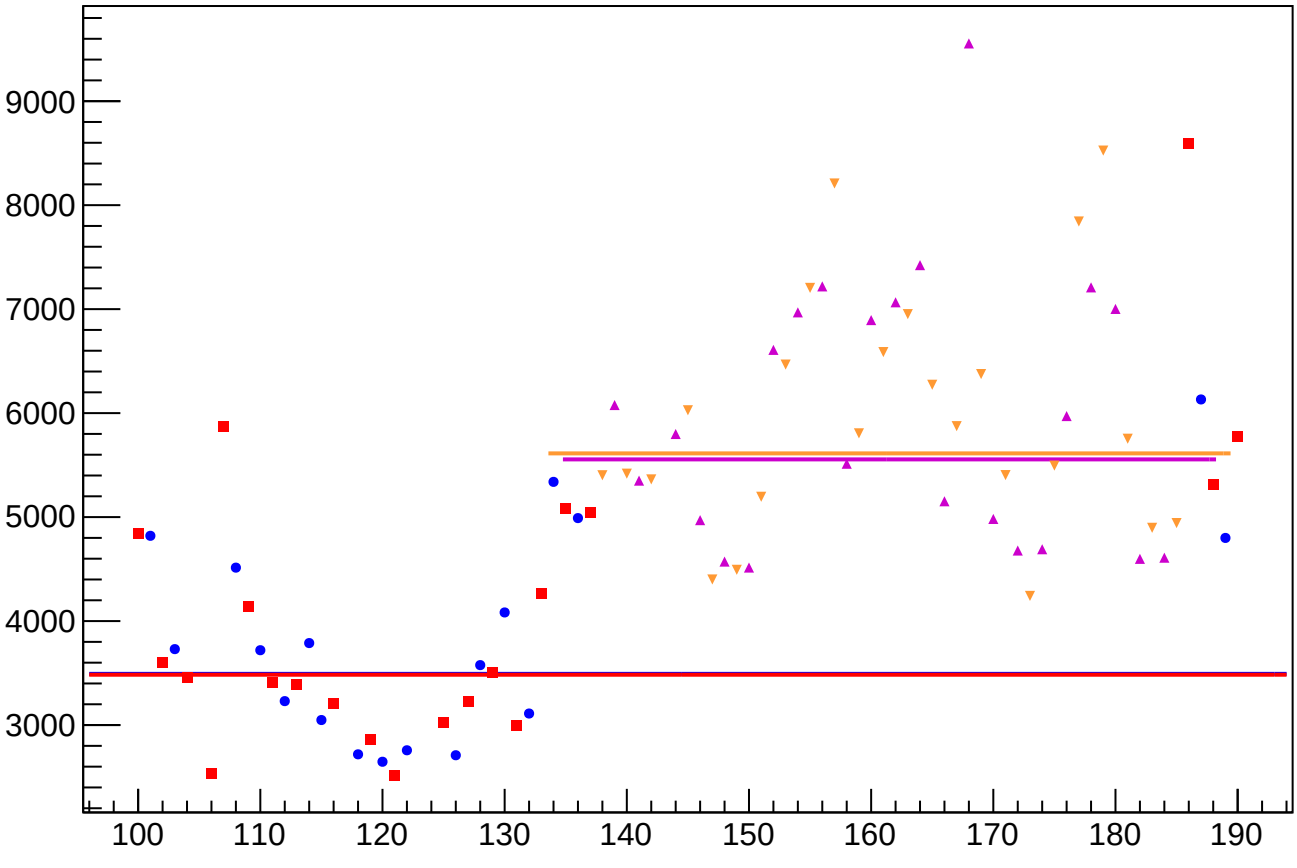
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -247.347+/-876.113 χ^2/NDF: 46.1/38

In: -307.387+/-920.475 χ^2/NDF:29.5/40

Out: -545.048+/-892.849 χ^2/NDF:62.7/44

All: -429.837+/-640.884 χ^2/NDF: 92.3/85



Right In: 3492.338+/-0.904 χ^2/NDF: 875266.4/17

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3484.103+/-0.851 χ^2/NDF: 1228905.4/20

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

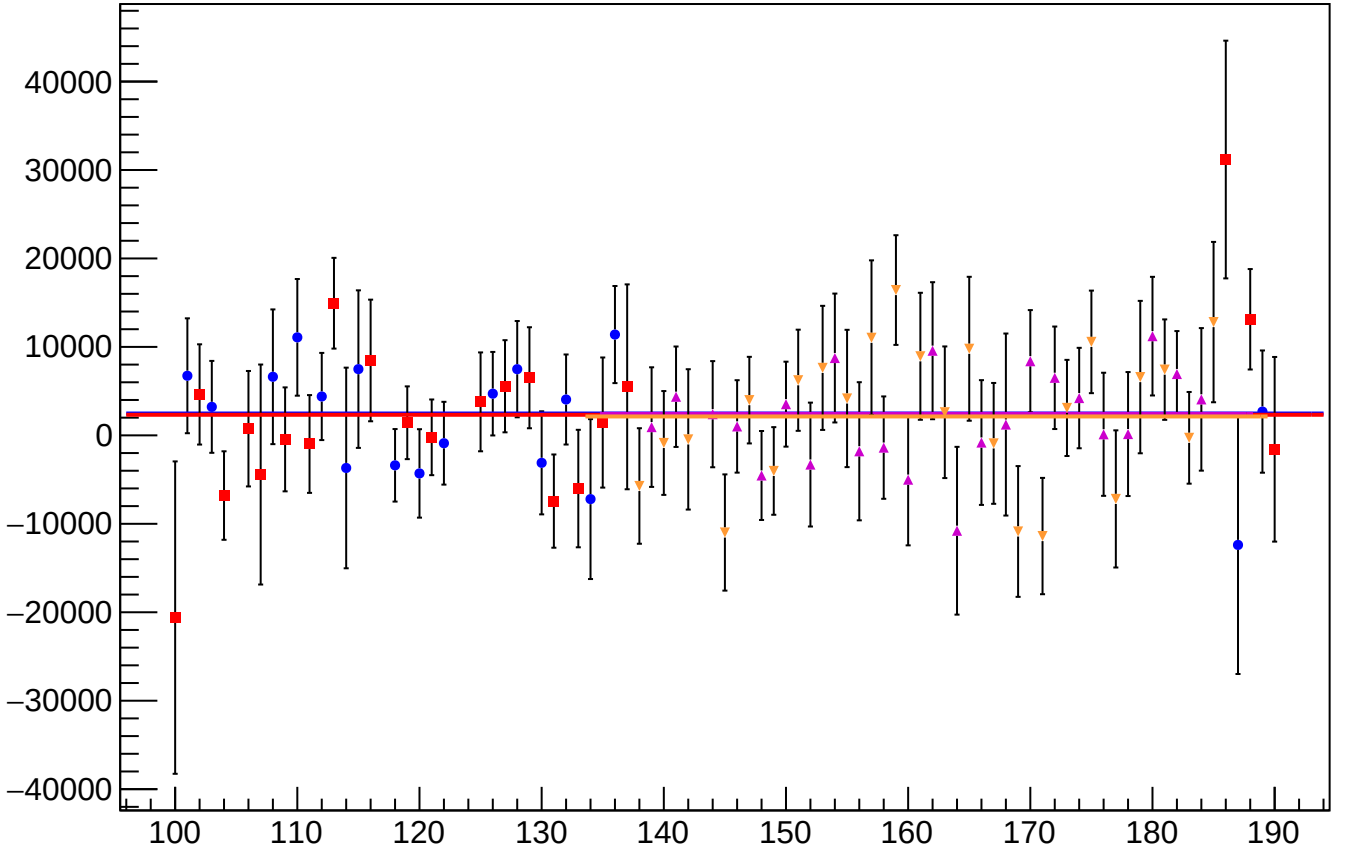
Right: 3487.970+/-0.620 χ^2/NDF: 2104215.8/38

In: 4485.995+/-0.651 χ^2/NDF:4715477.7/40

Out: 4439.944+/-0.631 χ^2/NDF:5229451.1/44

All: 4462.268+/-0.453 χ^2/NDF: 9947508.0/85

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2469.150+/-1379.553 χ^2/NDF: 14.5/17

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2327.669+/-1326.061 χ^2/NDF: 27.8/20

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

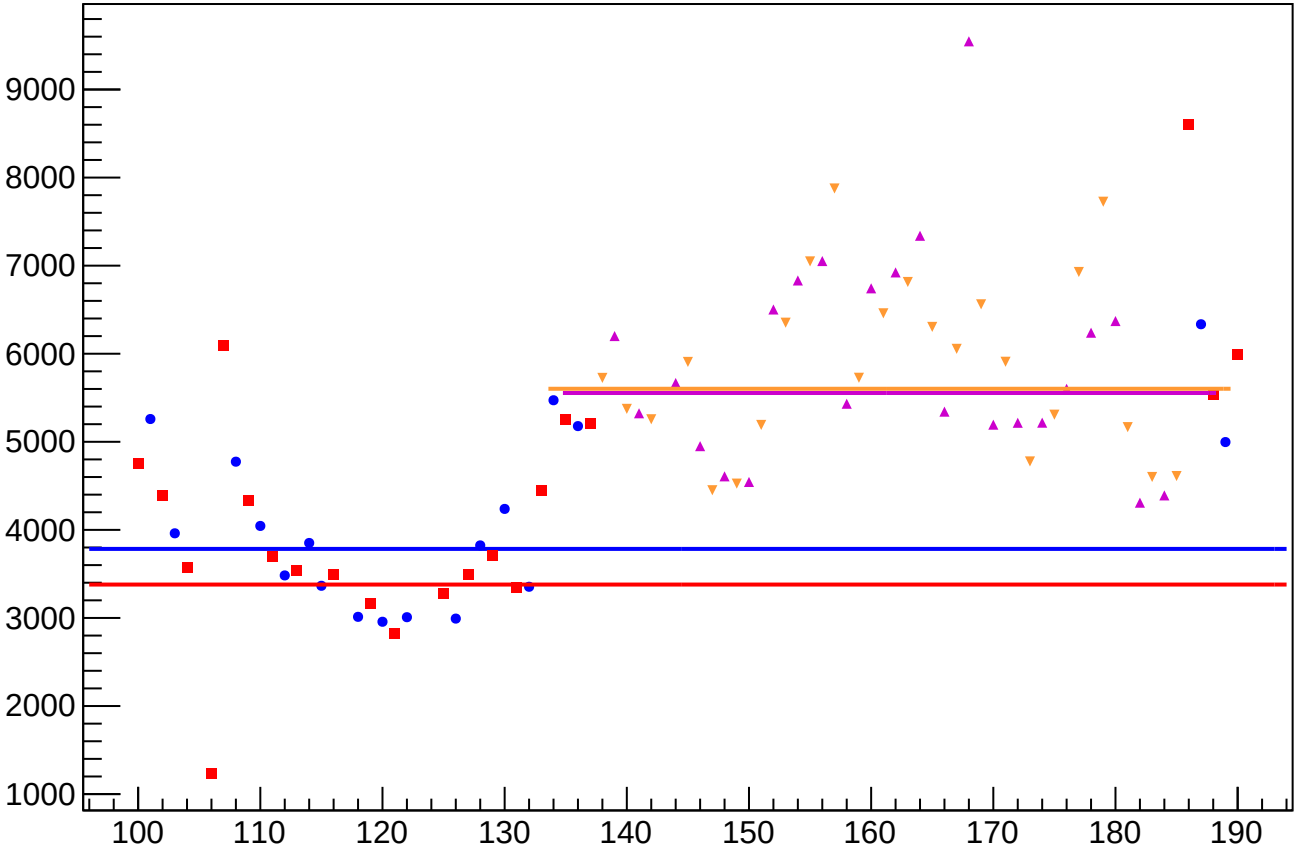
Right: 2395.614+/-956.018 χ^2/NDF: 42.3/38

In: 2447.715+/-954.146 χ^2/NDF:27.4/40

Out: 2232.785+/-937.074 χ^2/NDF:58.5/44

All: 2338.310+/-668.566 χ^2/NDF: 85.9/85

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3783.961+/-0.975 χ^2/NDF: 738990.5/17

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3379.174+/-0.864 χ^2/NDF: 2371926.9/20

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

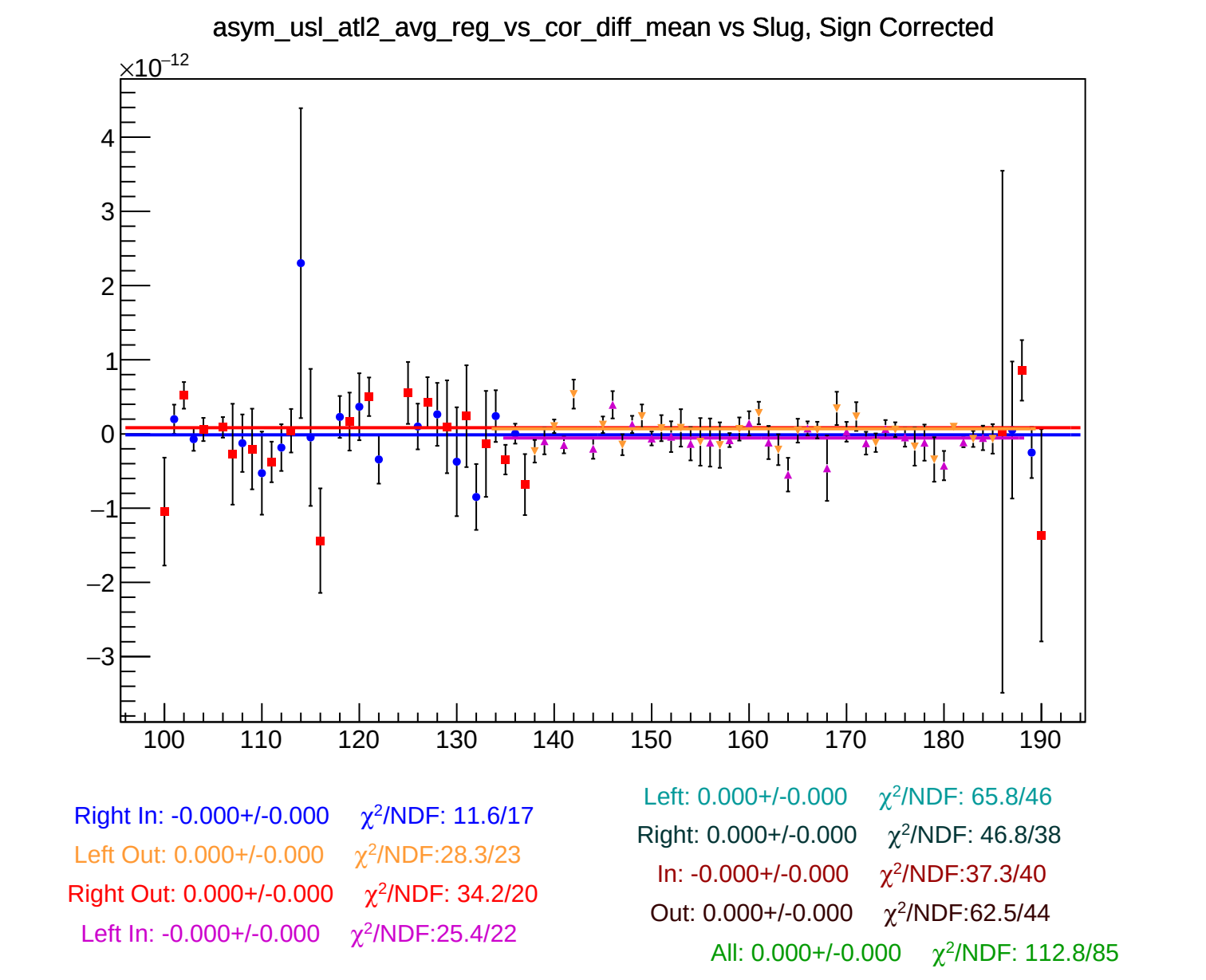
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

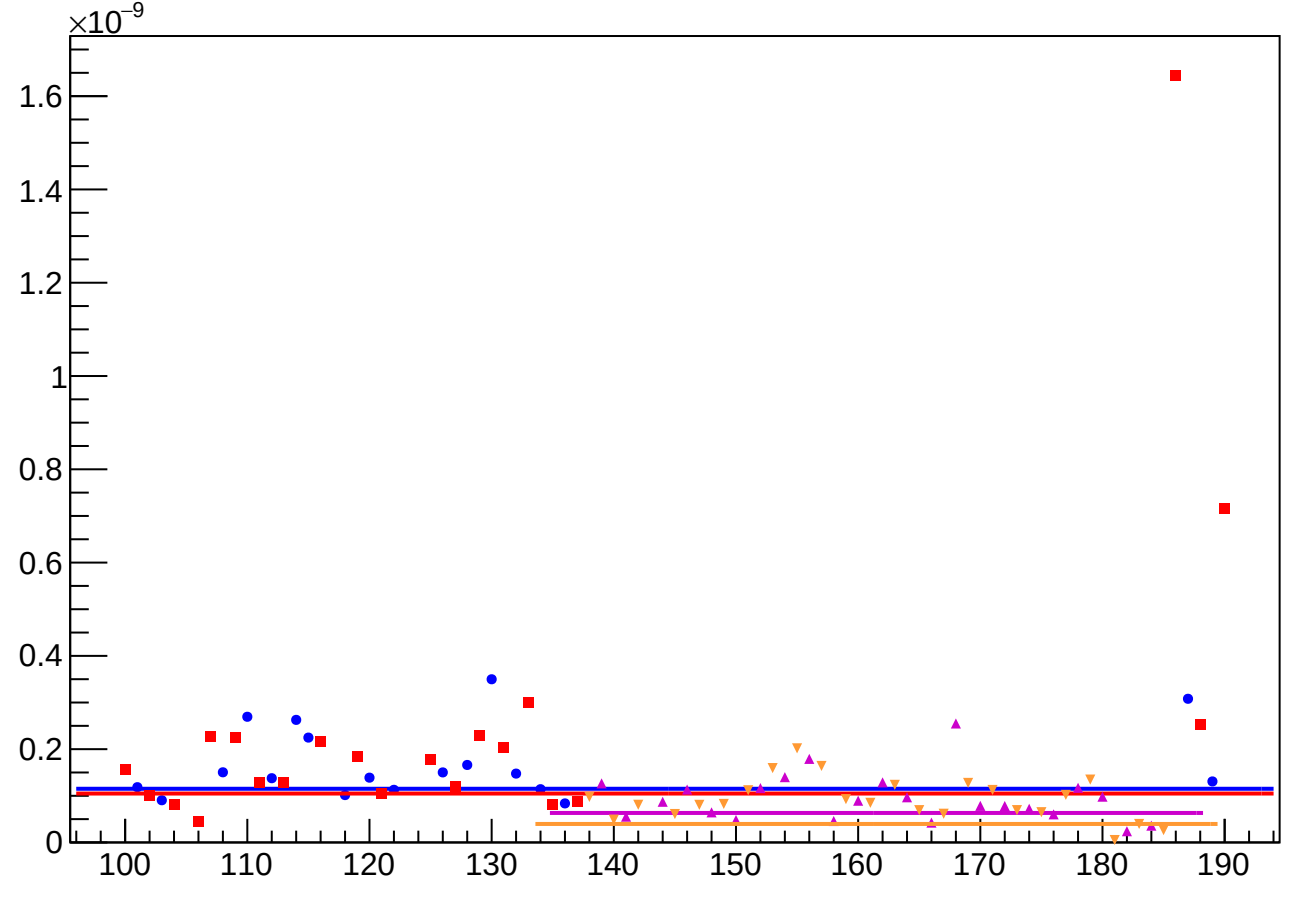
Right: 3557.222+/-0.647 χ^2/NDF: 3207368.5/38

In: 4707.313+/-0.675 χ^2/NDF:3568755.5/40

Out: 4401.913+/-0.635 χ^2/NDF:6355129.1/44

All: 4545.413+/-0.462 χ^2/NDF: 10032506.1/8


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.6/17
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.2/20
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: 46.8/38
In: -0.000+/-0.000 χ²/NDF:37.3/40
Out: 0.000+/-0.000 χ²/NDF:62.5/44
All: 0.000+/-0.000 χ²/NDF: 112.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 748593.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2128705.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

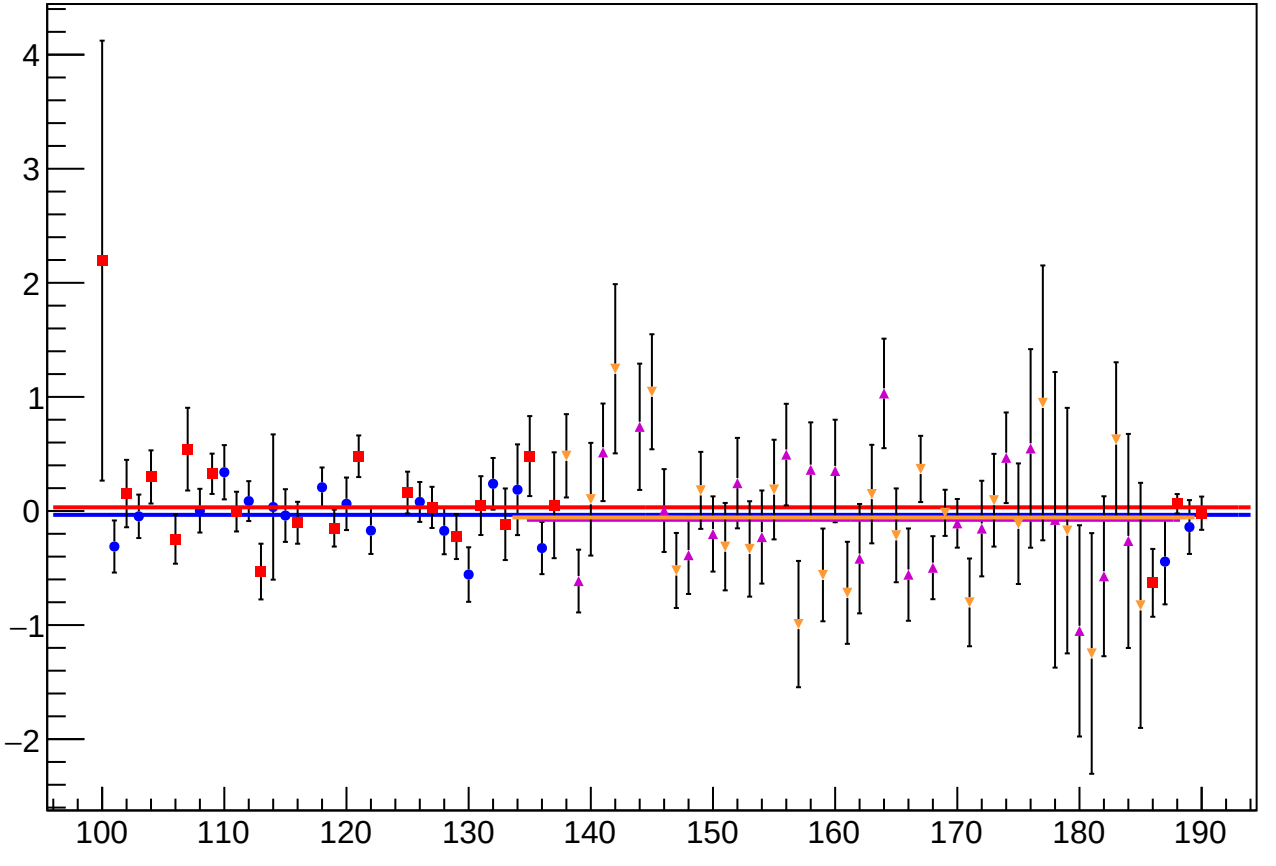
Right: 0.000+/-0.000 χ^2/NDF: 2900654.5/38

In: 0.000+/-0.000 χ^2/NDF:4645969.8/40

Out: 0.000+/-0.000 χ^2/NDF:10901635.7/44

All: 0.000+/-0.000 χ^2/NDF: 16601801.7/85

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.042 χ^2/NDF: 31.6/20

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

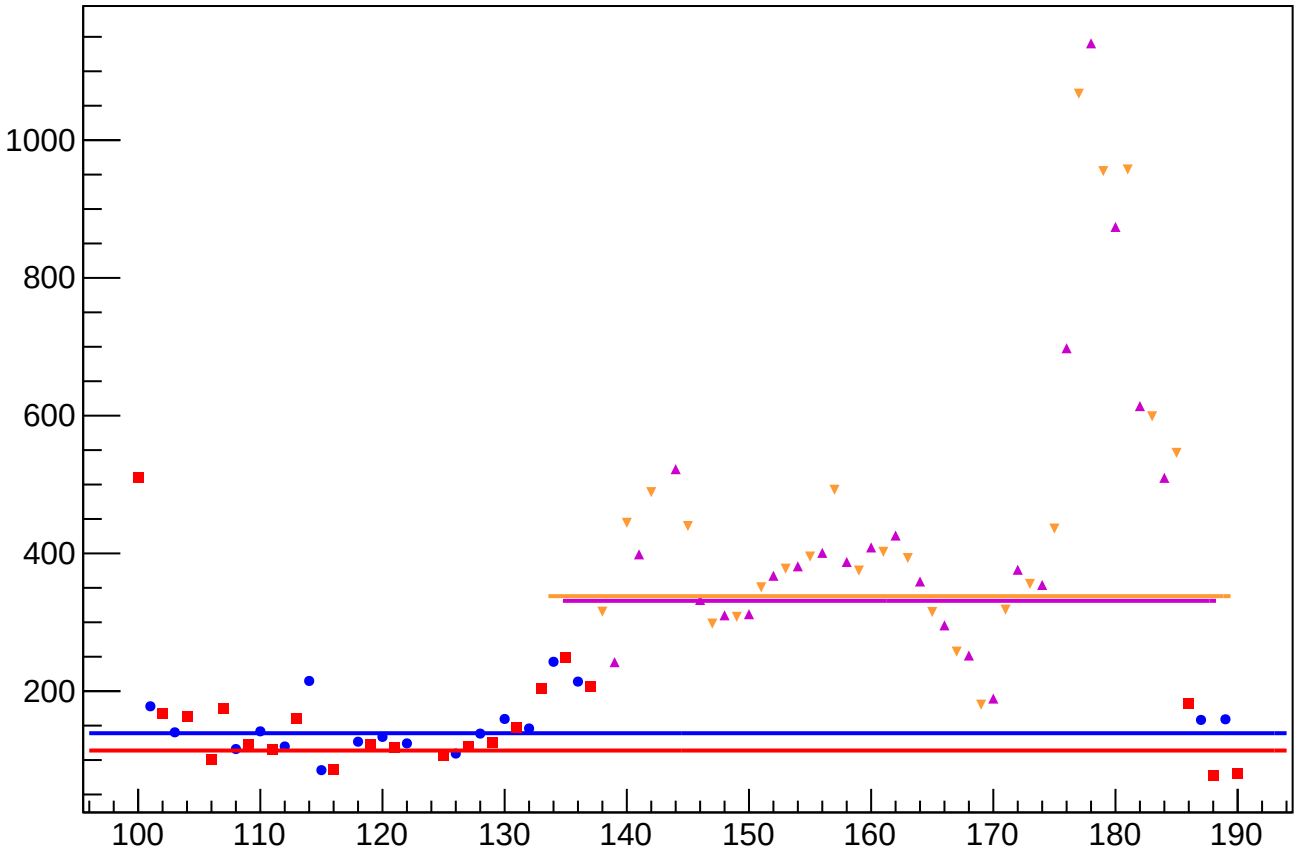
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.006+/-0.033 χ^2/NDF: 50.0/38

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.015+/-0.038 χ^2/NDF:62.8/44

All: -0.011+/-0.029 χ^2/NDF: 108.6/85



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 113.807+/-0.030 χ^2/NDF: 1601786.7/20

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

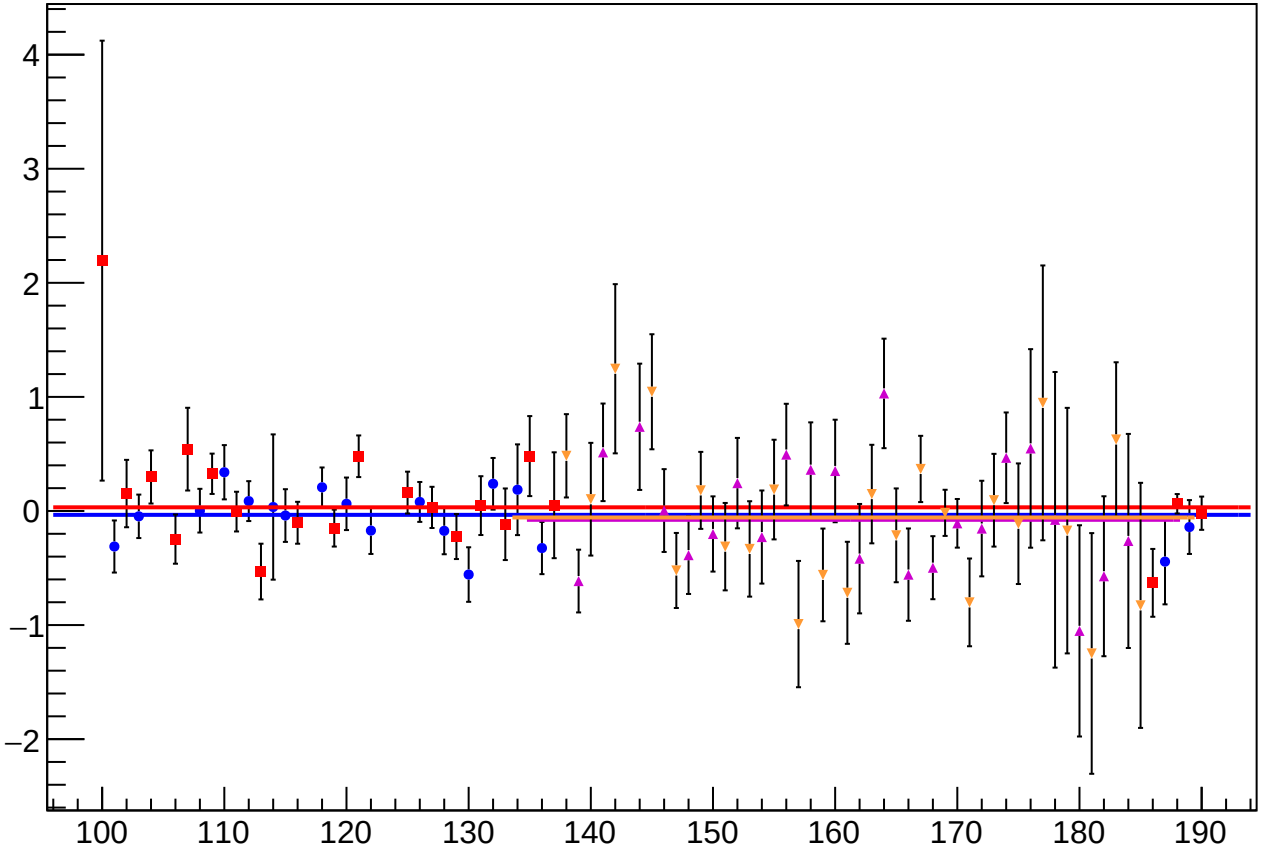
Right: 123.750+/-0.023 χ^2/NDF: 2595785.2/38

In: 193.216+/-0.031 χ^2/NDF:12442067.1/40

Out: 157.901+/-0.027 χ^2/NDF:17168923.6/44

All: 172.821+/-0.020 χ^2/NDF: 30344374.6/85

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.042 χ^2/NDF: 31.6/20

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

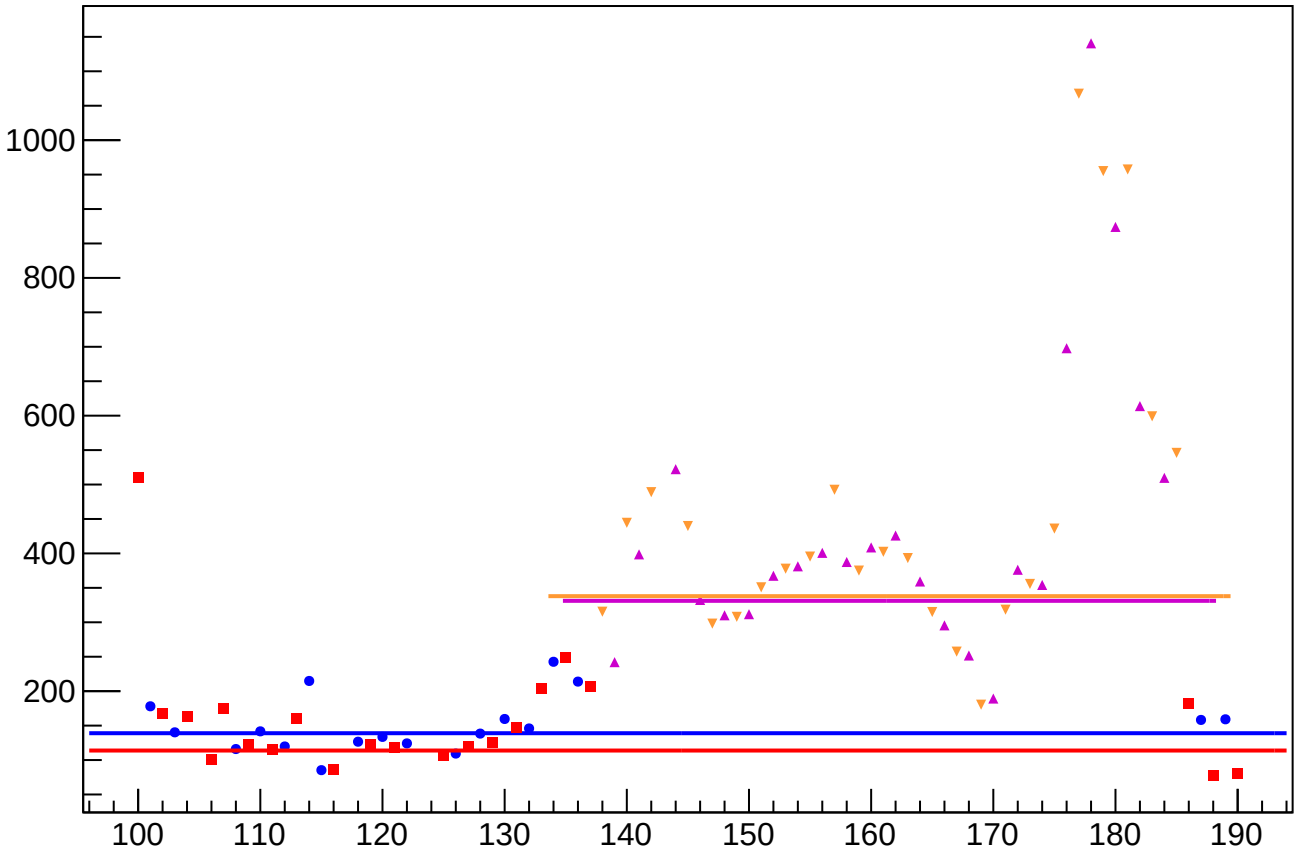
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.006+/-0.033 χ^2/NDF: 50.0/38

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.015+/-0.038 χ^2/NDF:62.8/44

All: -0.011+/-0.029 χ^2/NDF: 108.6/85



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 113.807+/-0.030 χ^2/NDF: 1601786.7/20

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

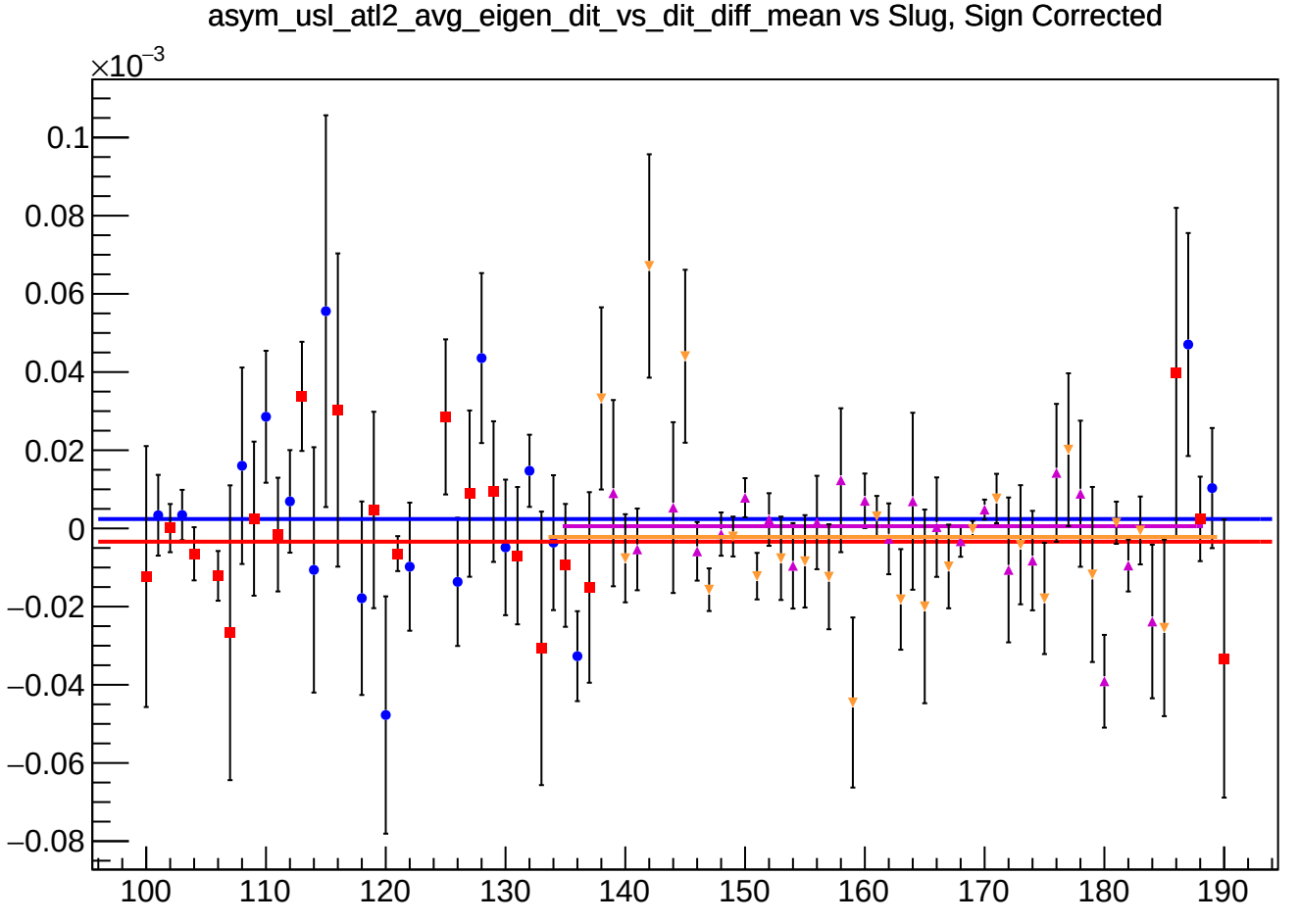
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

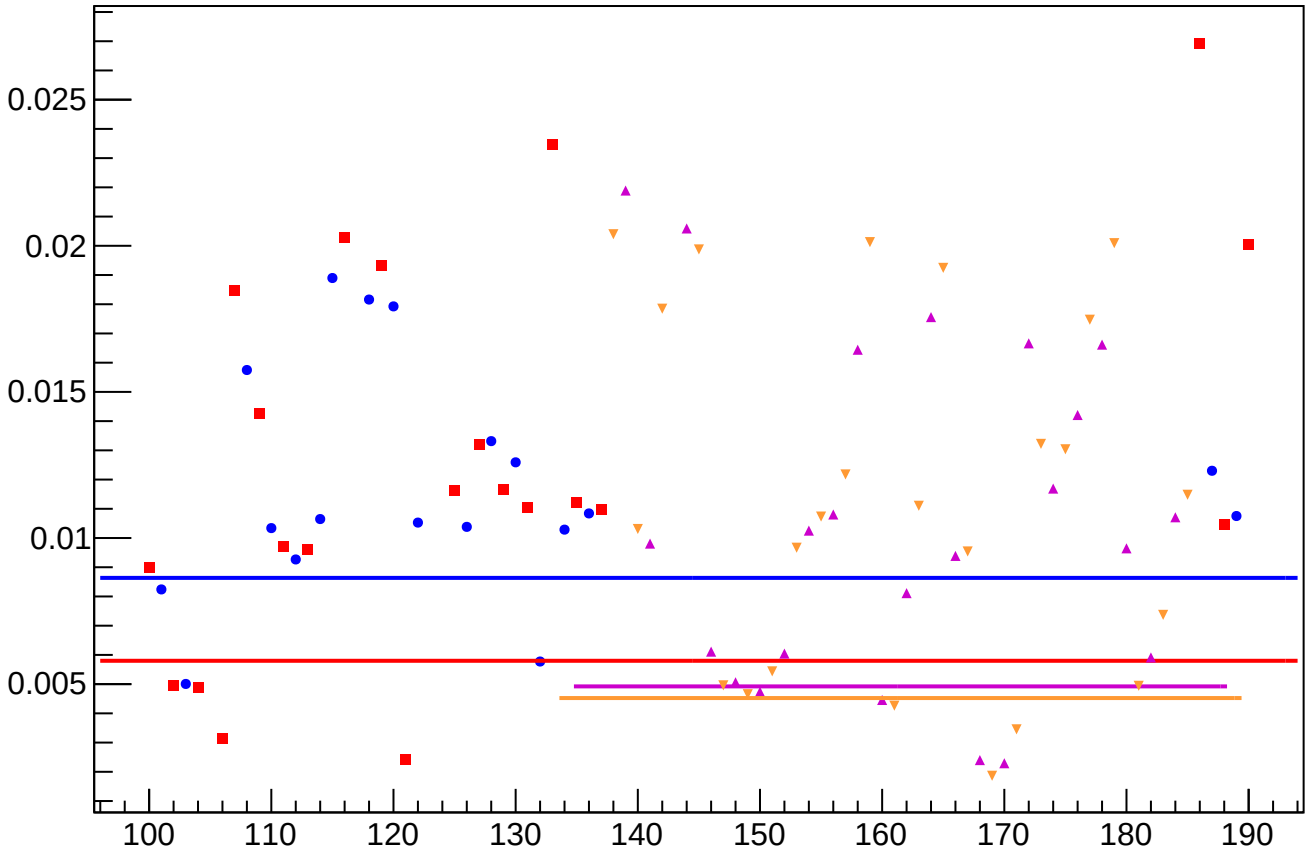
Right: 123.750+/-0.023 χ^2/NDF: 2595785.2/38

In: 193.216+/-0.031 χ^2/NDF:12442067.1/40

Out: 157.901+/-0.027 χ^2/NDF:17168923.6/44

All: 172.821+/-0.020 χ^2/NDF: 30344374.6/85


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 26.7/17
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.9/20
Left In: 0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: -0.000+/-0.000 χ²/NDF: 46.6/38
In: 0.000+/-0.000 χ²/NDF:53.2/40
Out: -0.000+/-0.000 χ²/NDF:55.9/44
All: -0.000+/-0.000 χ²/NDF: 112.5/85



Right In: 0.009+/-0.000 χ^2/NDF: 2001301.1/17

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 6154802.8/20

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

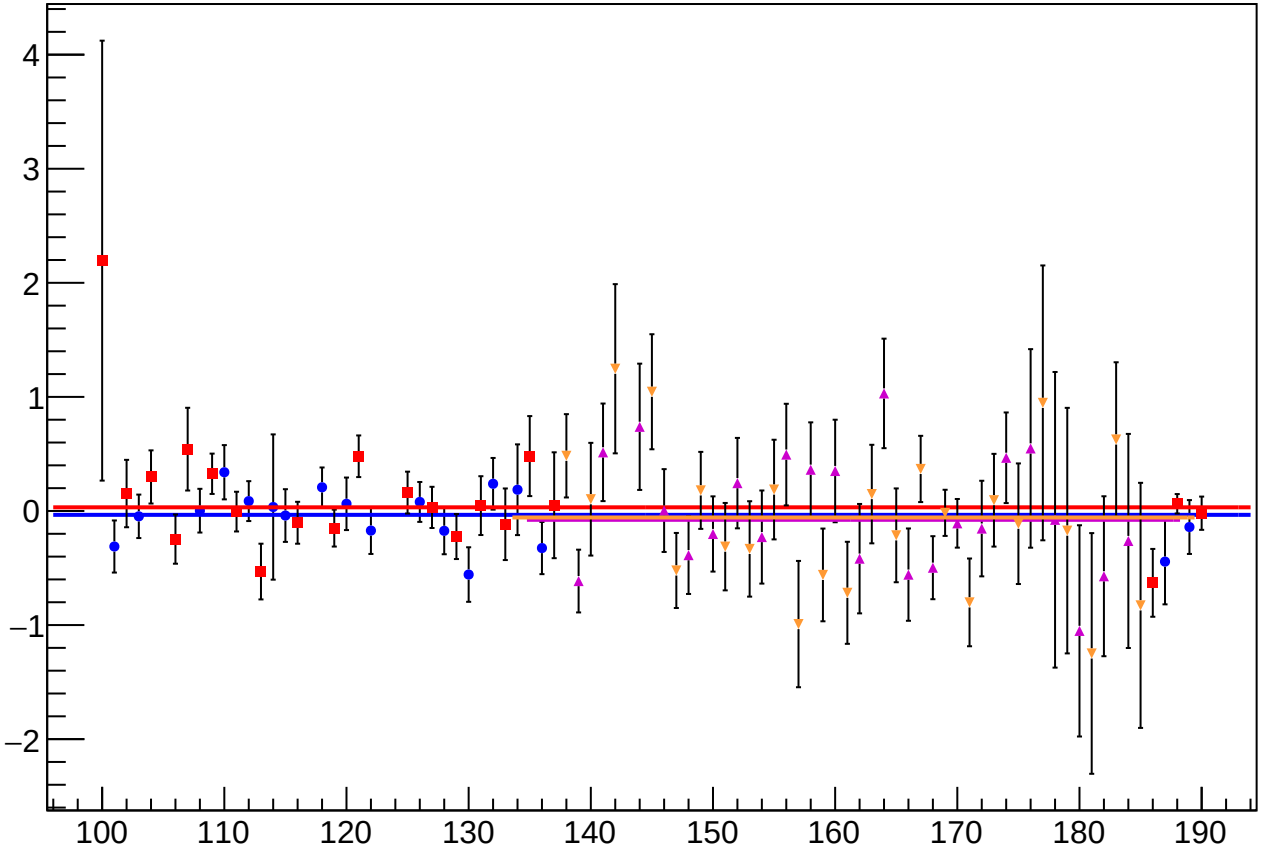
Right: 0.007+/-0.000 χ^2/NDF: 9093547.5/38

In: 0.006+/-0.000 χ^2/NDF:15687101.4/40

Out: 0.005+/-0.000 χ^2/NDF:20802710.0/44

All: 0.005+/-0.000 χ^2/NDF: 36785880.8/85

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.042 χ^2/NDF: 31.6/20

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

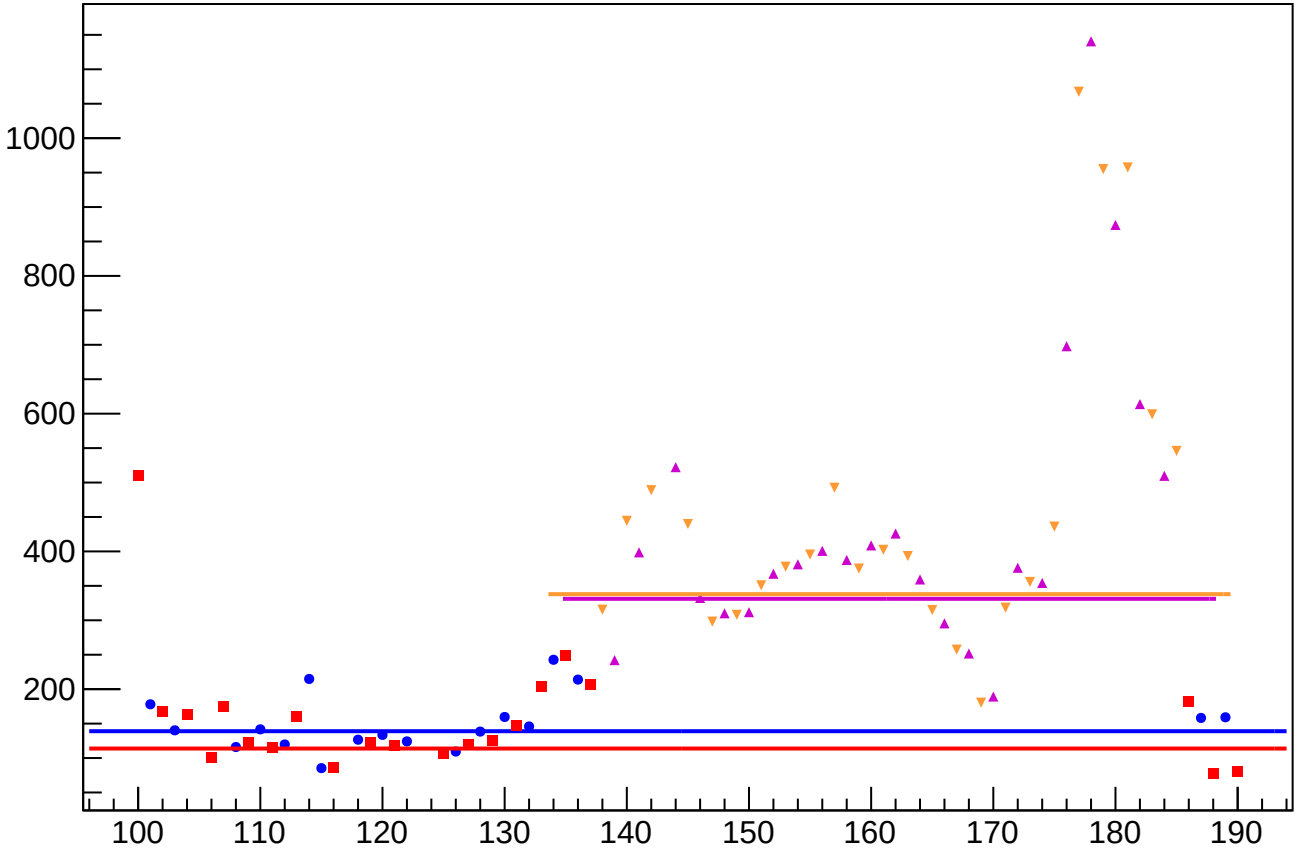
Right: 0.006+/-0.033 χ^2/NDF: 50.0/38

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.015+/-0.038 χ^2/NDF:62.8/44

All: -0.011+/-0.029 χ^2/NDF: 108.6/85

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 113.805+/-0.030 χ^2/NDF: 1601828.5/20

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

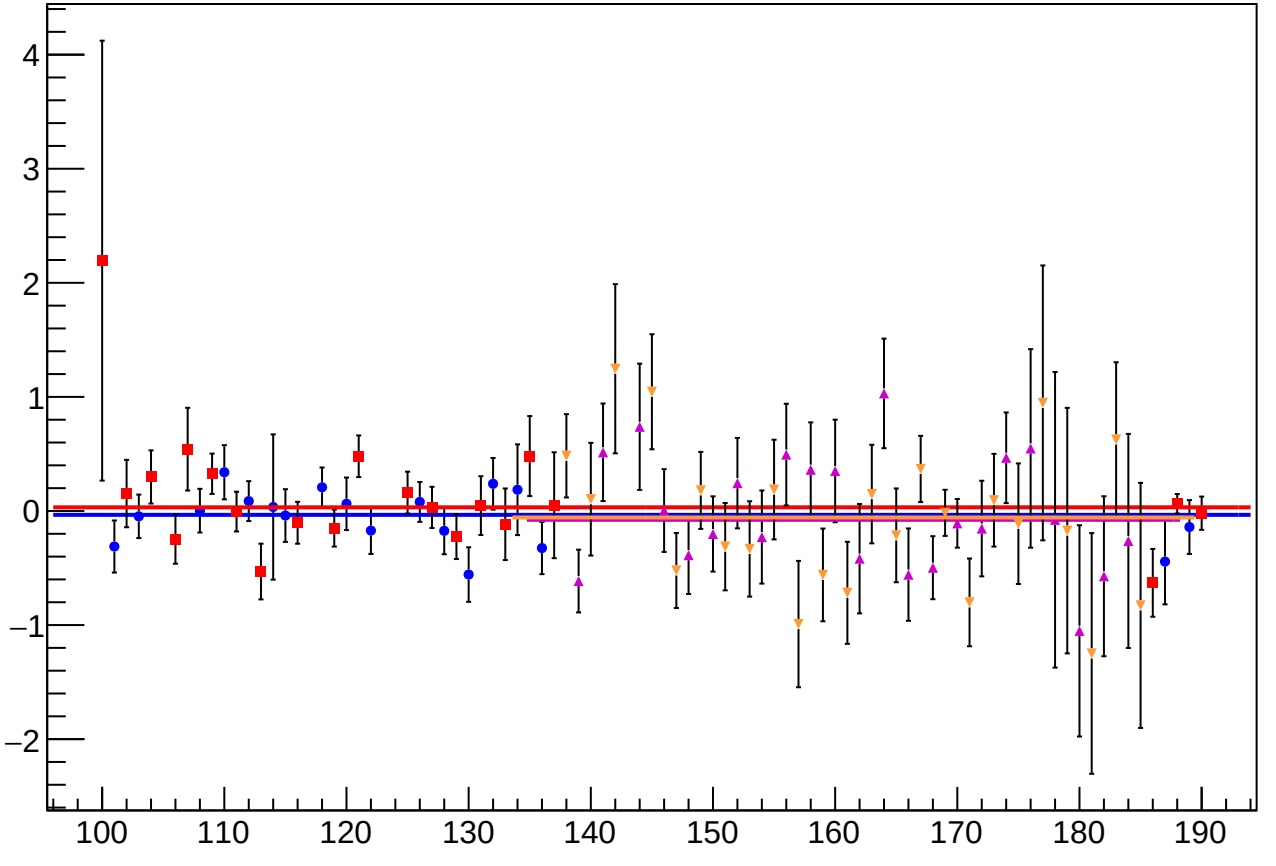
Right: 123.748+/-0.023 χ^2/NDF: 2595867.3/38

In: 193.216+/-0.031 χ^2/NDF:12442163.4/40

Out: 157.899+/-0.027 χ^2/NDF:17169351.4/44

All: 172.820+/-0.020 χ^2/NDF: 30345023.9/85

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.042 χ^2/NDF: 31.6/20

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

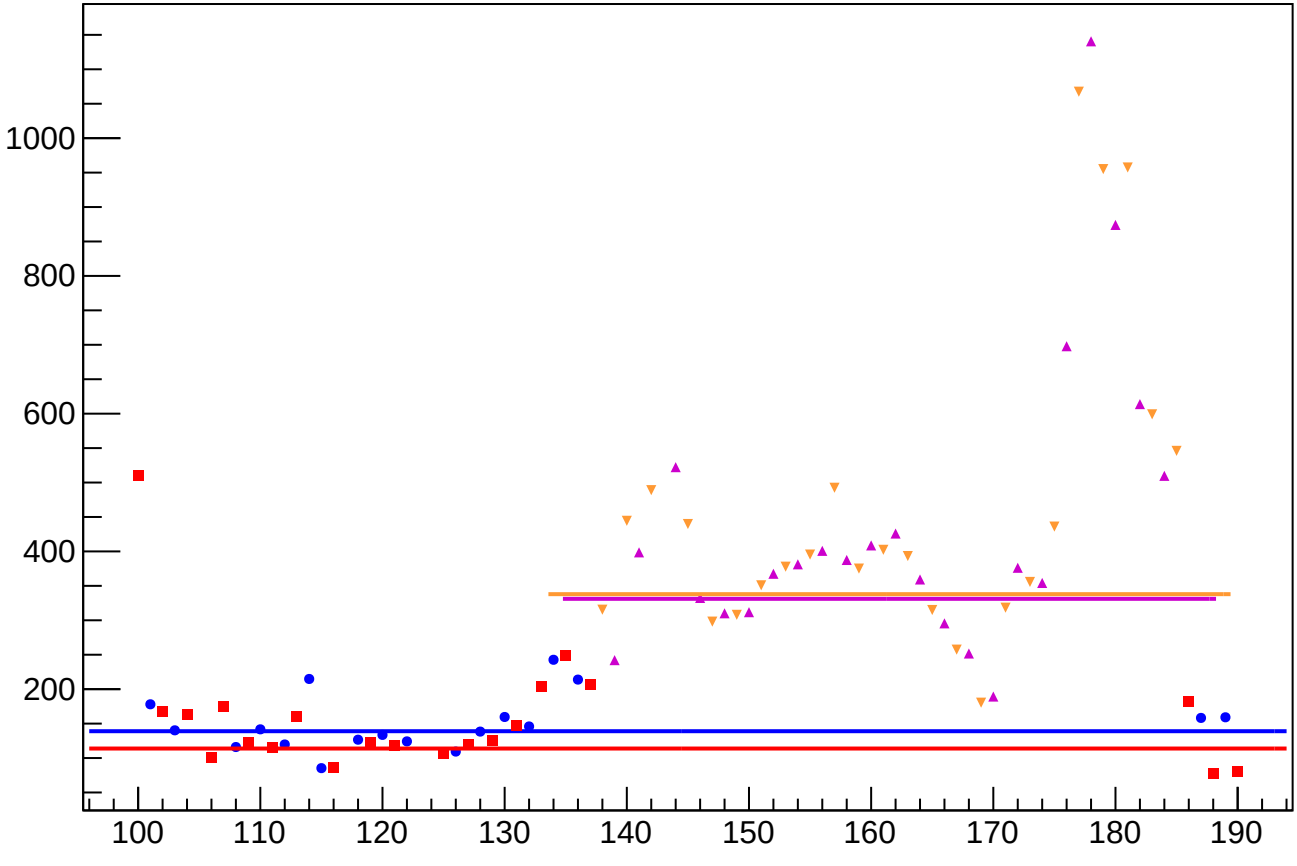
Right: 0.006+/-0.033 χ^2/NDF: 50.0/38

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.015+/-0.038 χ^2/NDF:62.8/44

All: -0.011+/-0.029 χ^2/NDF: 108.6/85

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 113.805+/-0.030 χ^2/NDF: 1601828.5/20

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

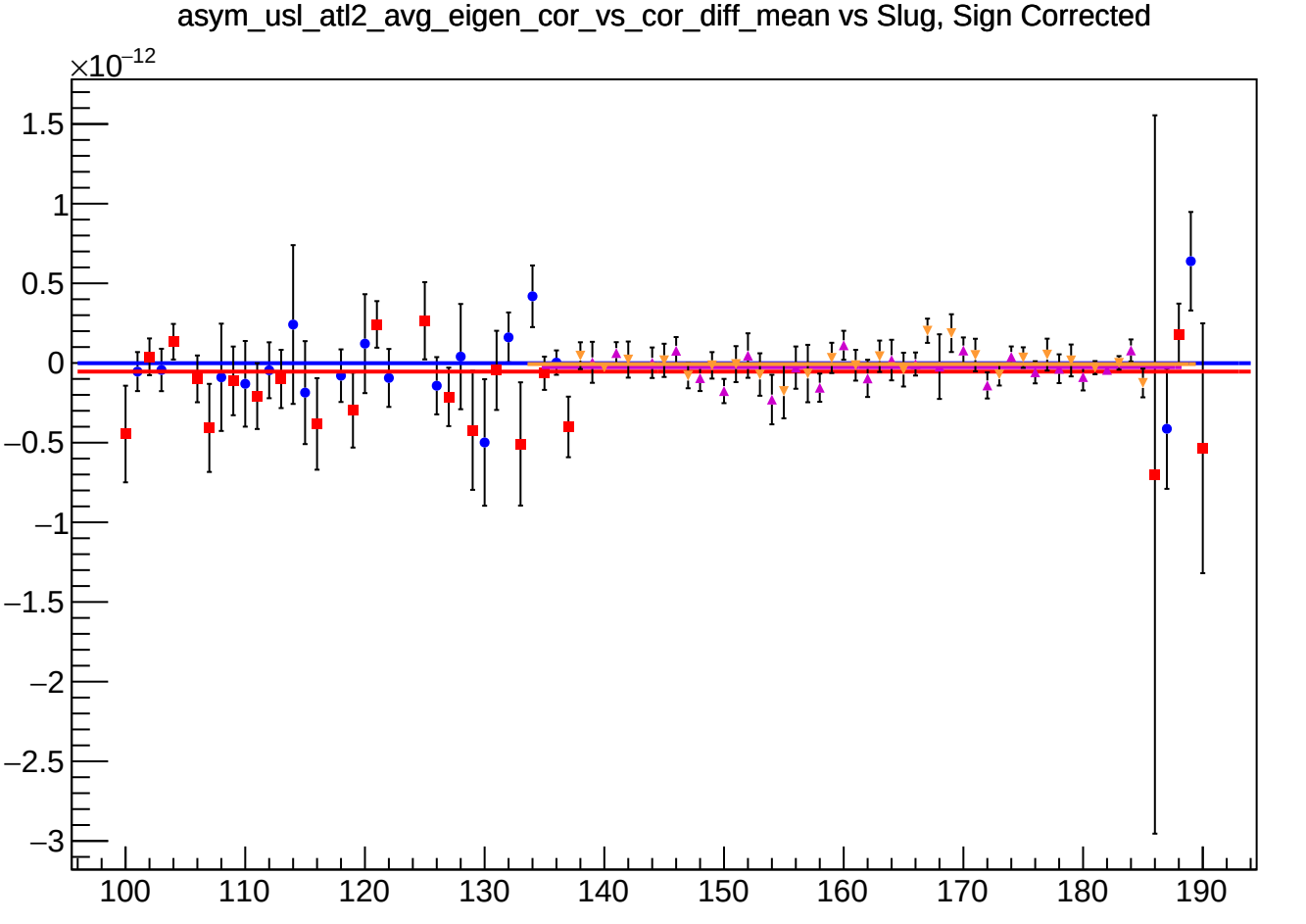
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

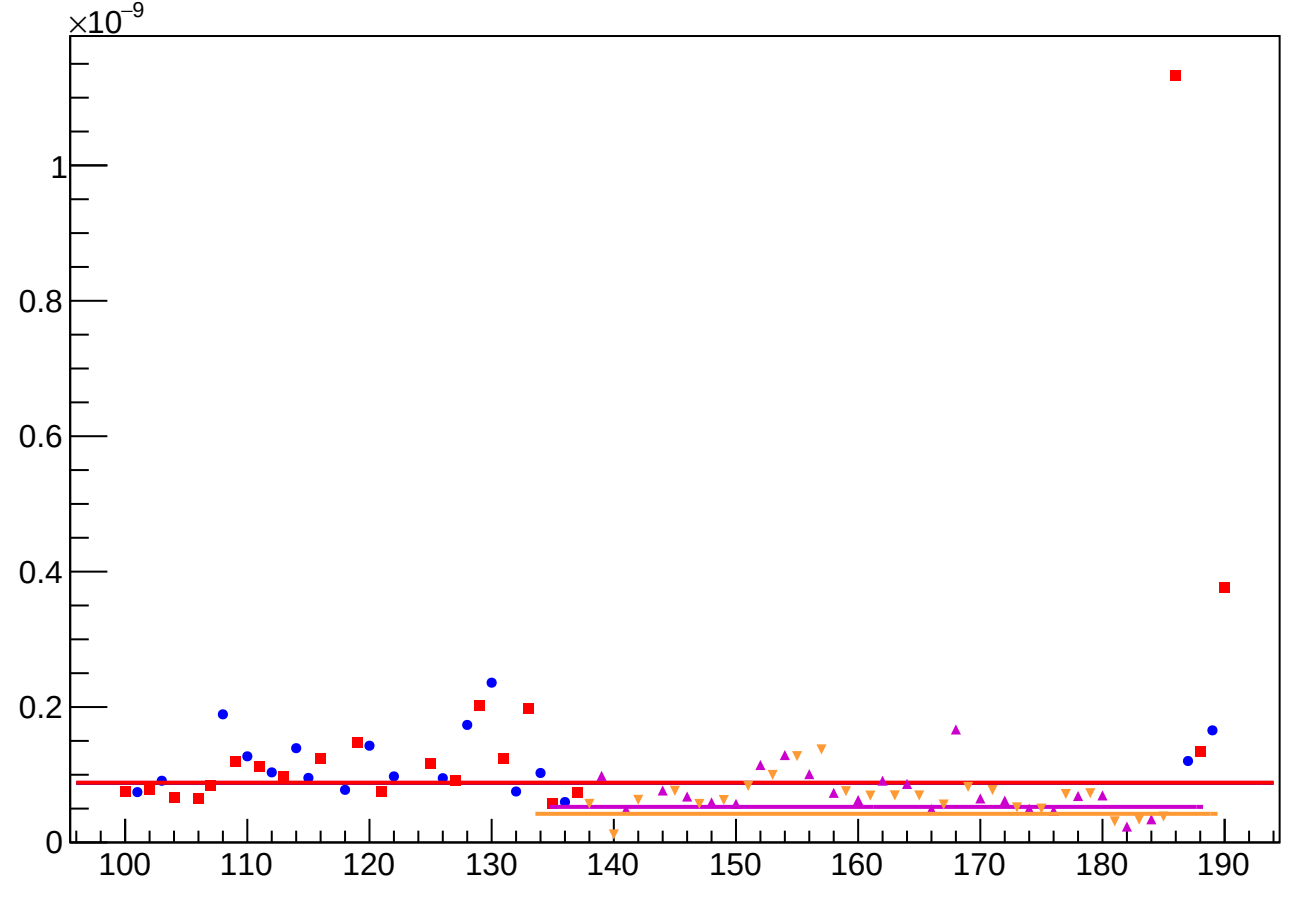
Right: 123.748+/-0.023 χ^2/NDF: 2595867.3/38

In: 193.216+/-0.031 χ^2/NDF:12442163.4/40

Out: 157.899+/-0.027 χ^2/NDF:17169351.4/44

All: 172.820+/-0.020 χ^2/NDF: 30345023.9/85


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.3/17
Left Out: -0.000+/-0.000 χ²/NDF:18.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/20
Left In: -0.000+/-0.000 χ²/NDF:22.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.7/46
Right: -0.000+/-0.000 χ²/NDF: 40.2/38
In: -0.000+/-0.000 χ²/NDF:38.4/40
Out: -0.000+/-0.000 χ²/NDF:43.4/44
All: -0.000+/-0.000 χ²/NDF: 82.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 1216730.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1801108.6/20

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

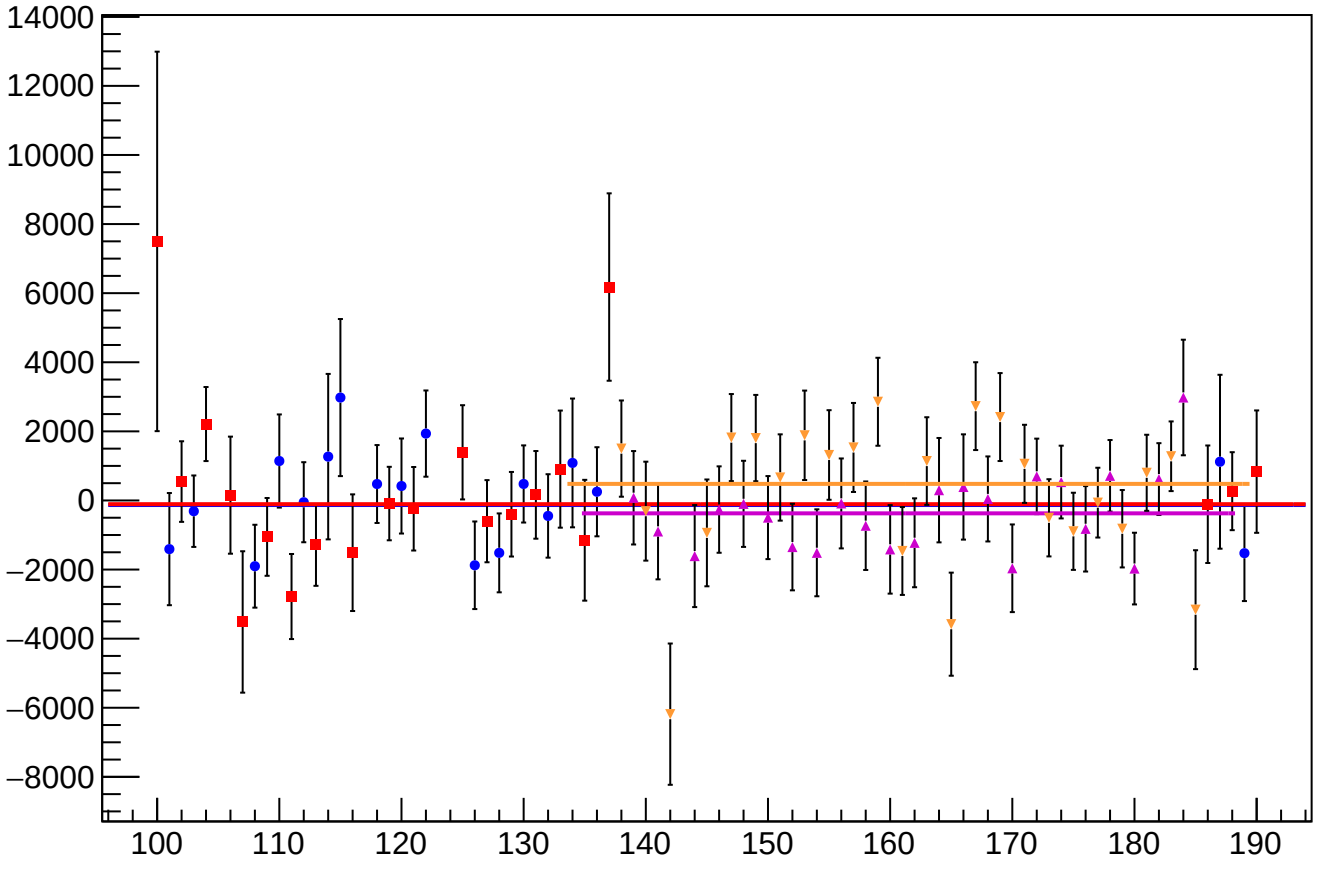
Right: 0.000+/-0.000 χ^2/NDF: 3017889.9/38

In: 0.000+/-0.000 χ^2/NDF:7363376.5/40

Out: 0.000+/-0.000 χ^2/NDF:10743210.8/44

All: 0.000+/-0.000 χ^2/NDF: 18573297.7/85

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -132.075+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -107.702+/-300.084 χ^2/NDF: 24.8/20

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

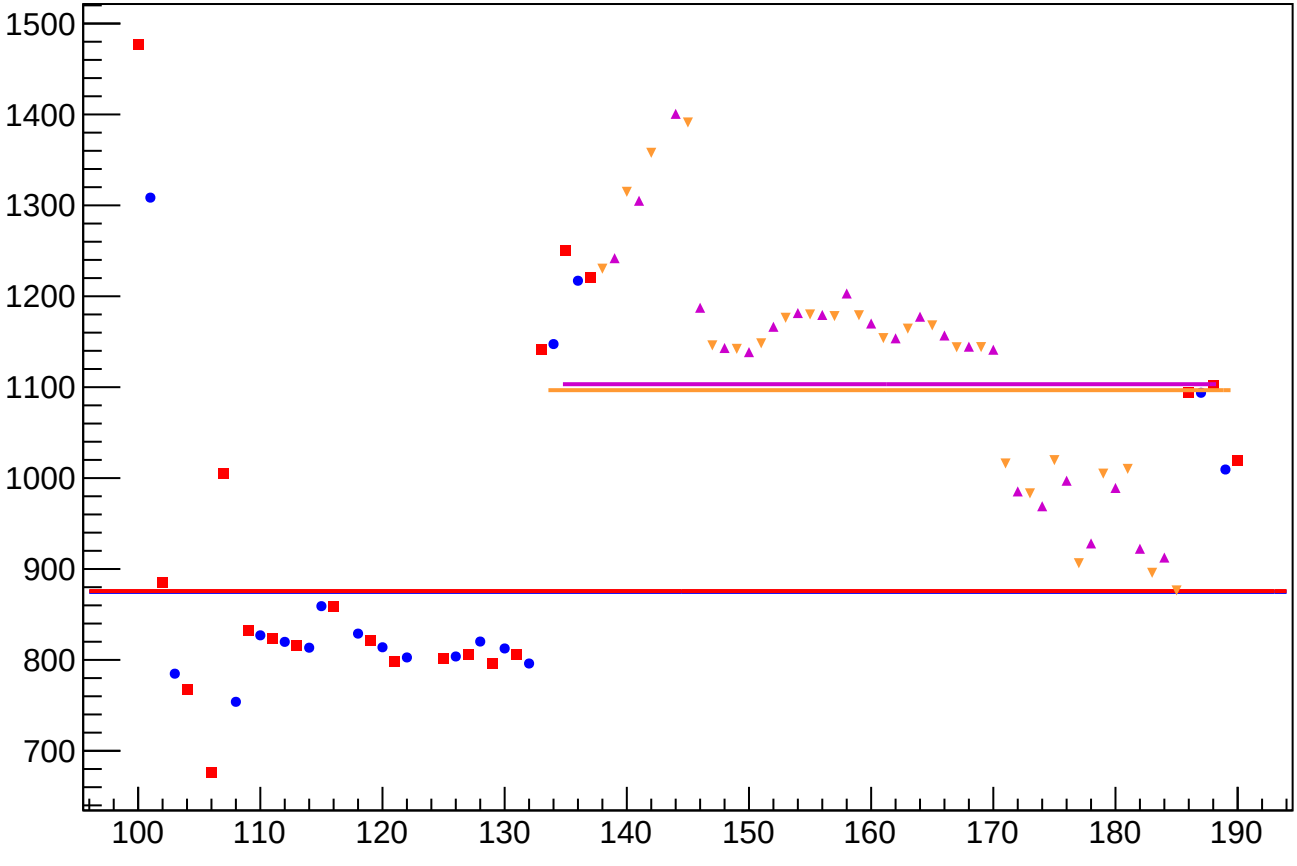
Right: -119.296+/-217.291 χ^2/NDF: 39.4/38

In: -275.656+/-200.217 χ^2/NDF:31.0/40

Out: 231.822+/-194.904 χ^2/NDF:72.2/44

All: -15.094+/-139.658 χ^2/NDF: 106.5/85

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 874.797+/-0.223 χ^2/NDF: 443844.0/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 875.762+/-0.210 χ^2/NDF: 452123.6/20

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

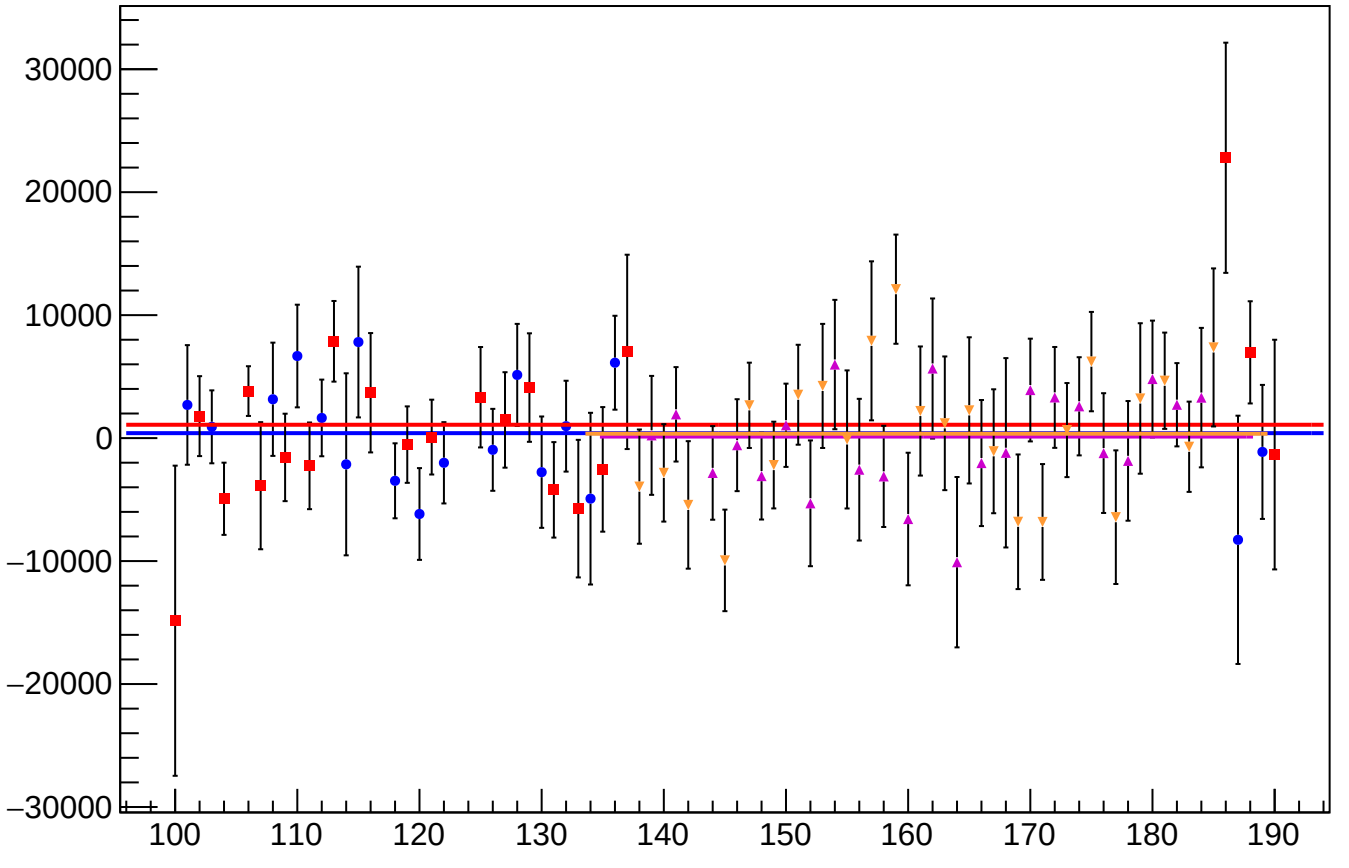
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 875.308+/-0.153 χ^2/NDF: 895977.5/38

In: 1011.006+/-0.142 χ^2/NDF:1518454.1/40

Out: 1002.335+/-0.137 χ^2/NDF:1567348.7/44

All: 1006.534+/-0.099 χ^2/NDF: 3087737.2/85



Right In: 403.070+/-961.370 χ^2/NDF: 15.5/17

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1085.605+/-839.956 χ^2/NDF: 27.7/20

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

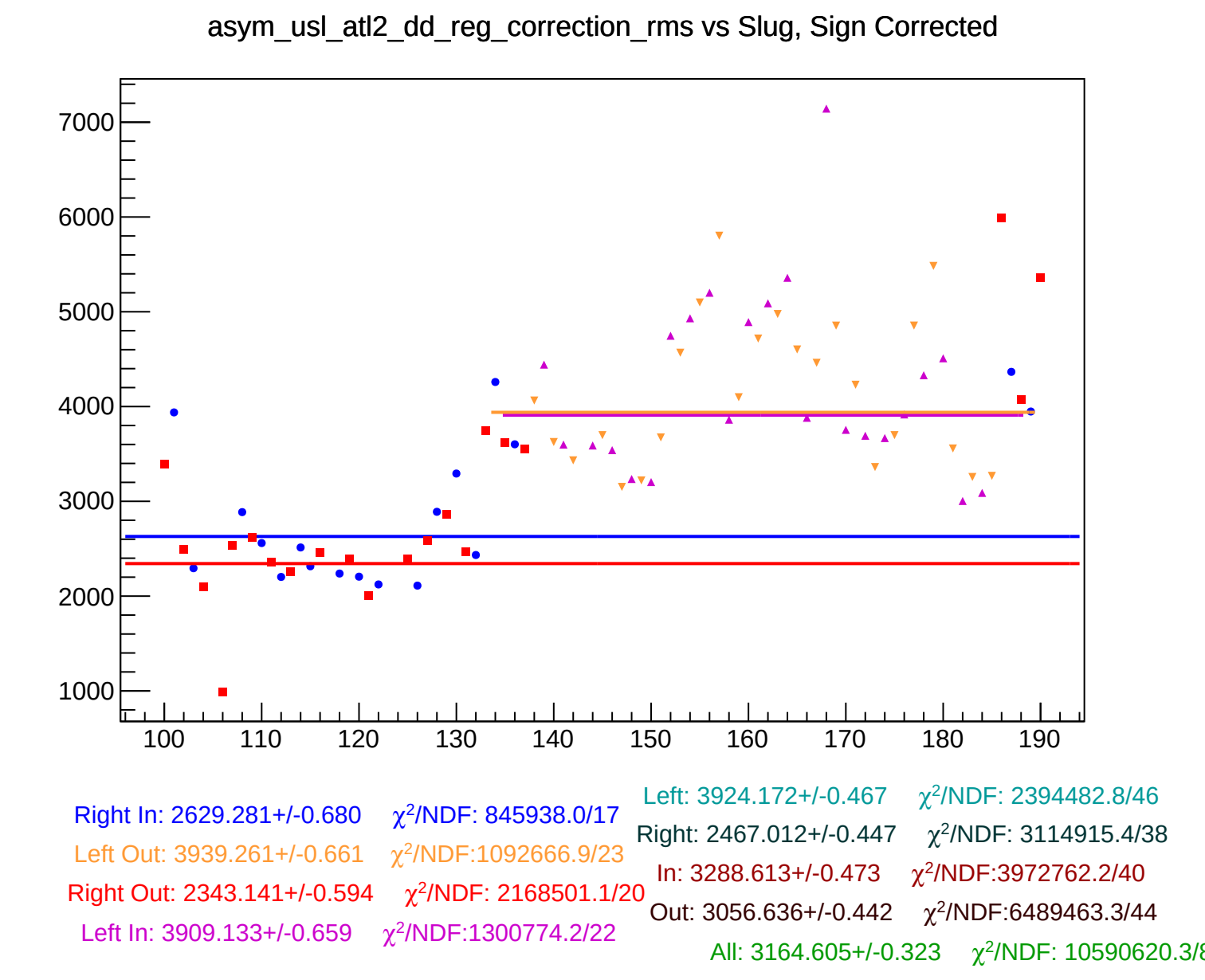
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 790.134+/-632.536 χ^2/NDF: 43.4/38

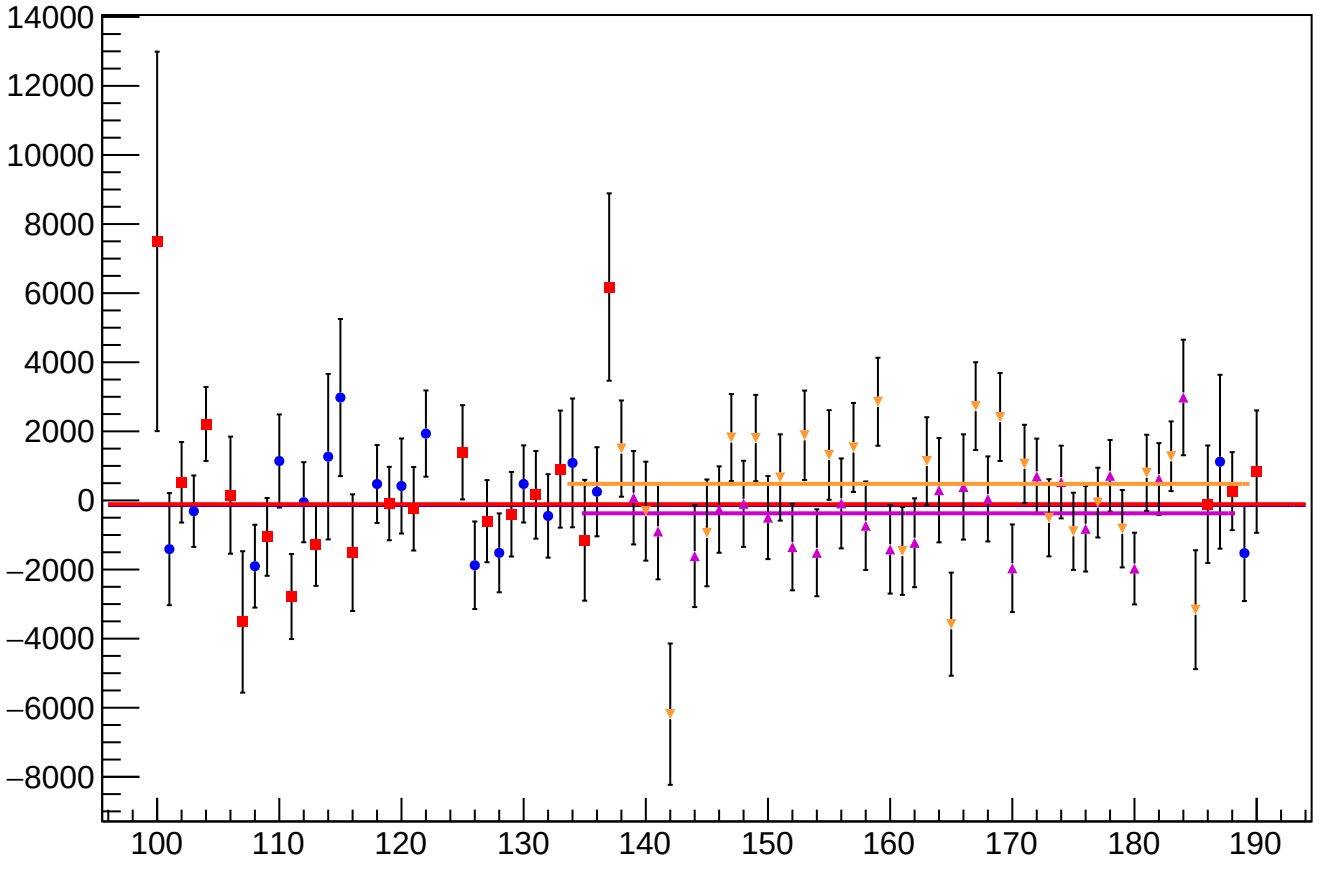
In: 260.692+/-669.405 χ^2/NDF:29.3/40

Out: 760.231+/-624.614 χ^2/NDF:58.3/44

All: 527.732+/-456.683 χ^2/NDF: 87.8/85


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 2629.281+/-0.680 χ²/NDF: 845938.0/17
Left Out: 3939.261+/-0.661 χ²/NDF:1092666.9/23
Right Out: 2343.141+/-0.594 χ²/NDF: 2168501.1/20
Left In: 3909.133+/-0.659 χ²/NDF:1300774.2/22
Left: 3924.172+/-0.467 χ²/NDF: 2394482.8/46
Right: 2467.012+/-0.447 χ²/NDF: 3114915.4/38
In: 3288.613+/-0.473 χ²/NDF:3972762.2/40
Out: 3056.636+/-0.442 χ²/NDF:6489463.3/44
All: 3164.605+/-0.323 χ²/NDF: 10590620.3/8

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -132.163+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -109.120+/-300.088 χ^2/NDF: 24.8/20

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

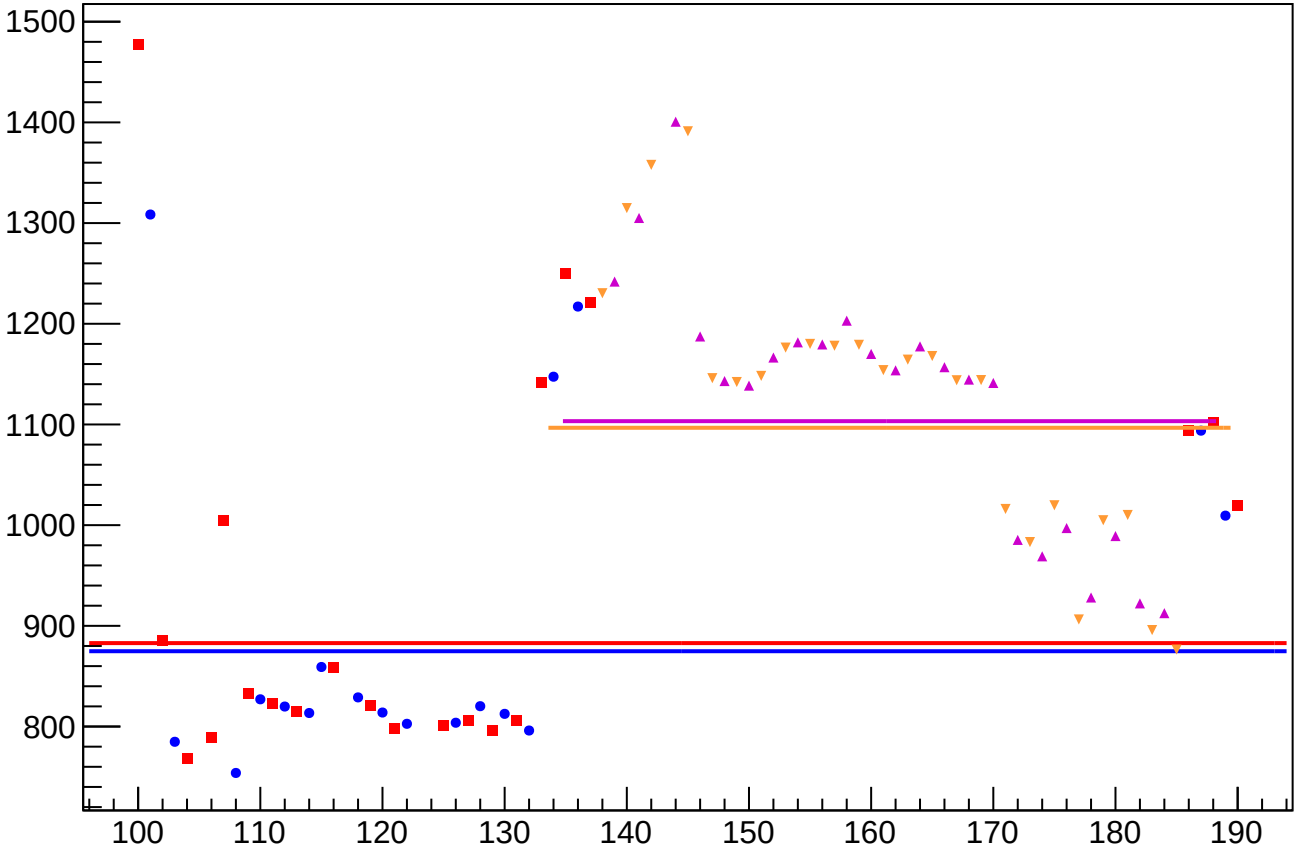
Right: -120.081+/-217.293 χ^2/NDF: 39.4/38

In: -275.677+/-200.217 χ^2/NDF:31.0/40

Out: 231.244+/-194.905 χ^2/NDF:72.2/44

All: -15.403+/-139.659 χ^2/NDF: 106.5/85

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 874.797+/-0.223 χ^2/NDF: 443843.7/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 882.860+/-0.211 χ^2/NDF: 410395.4/20

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

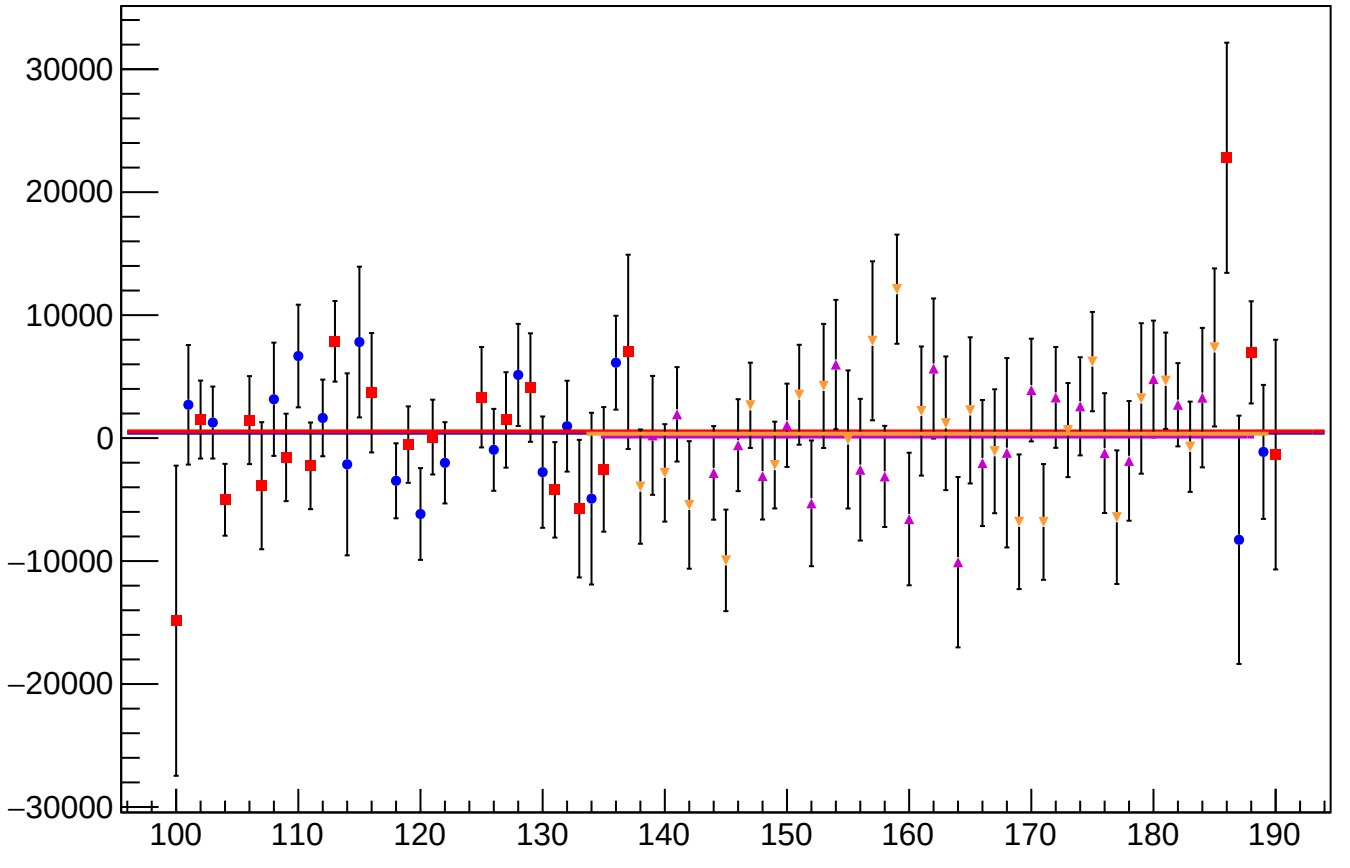
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 879.042+/-0.153 χ^2/NDF: 854928.7/38

In: 1011.006+/-0.142 χ^2/NDF:1518454.2/40

Out: 1006.030+/-0.138 χ^2/NDF:1481180.4/44

All: 1008.446+/-0.099 χ^2/NDF: 3000269.9/85



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 542.913+/-891.985 χ^2/NDF: 25.6/20

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

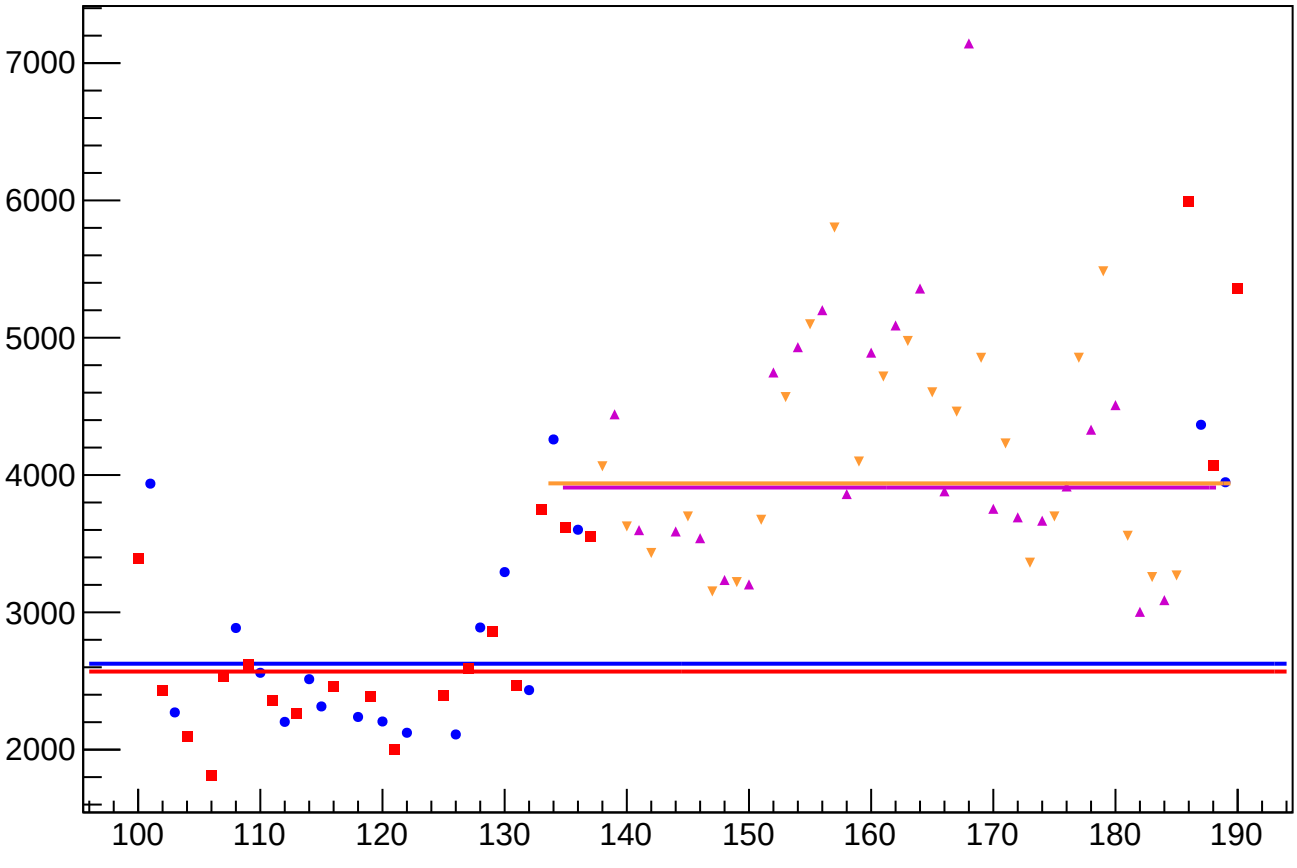
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 496.284+/-653.459 χ^2/NDF: 41.2/38

In: 279.889+/-668.948 χ^2/NDF:29.4/40

Out: 454.601+/-645.143 χ^2/NDF:55.9/44

All: 370.409+/-464.373 χ^2/NDF: 85.3/85



Right In: 2625.849+/-0.679 χ^2/NDF: 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2568.800+/-0.631 χ^2/NDF: 1183601.3/20

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

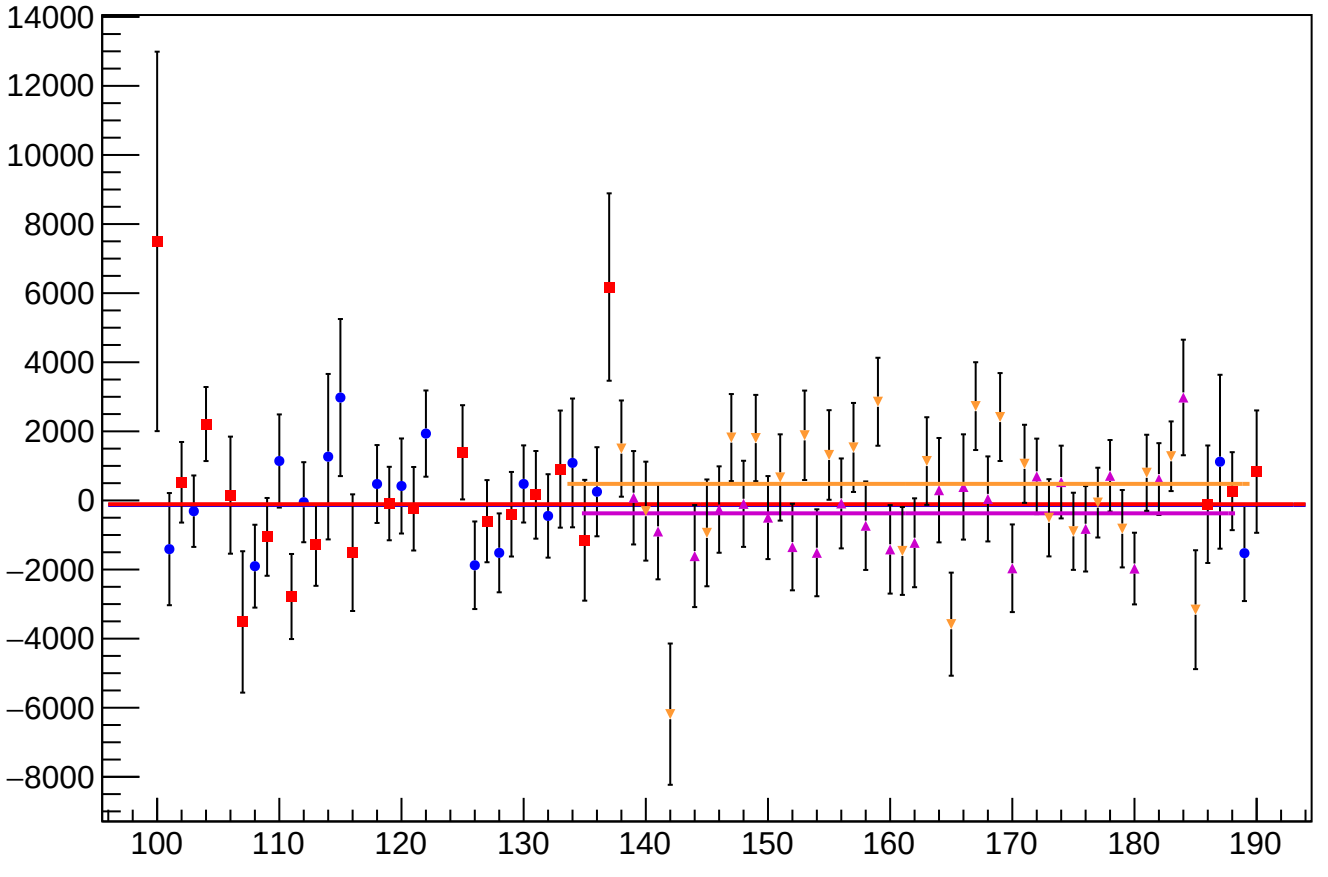
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2595.231+/-0.462 χ^2/NDF: 2037582.2/38

In: 3286.047+/-0.473 χ^2/NDF:3989471.2/40

Out: 3222.354+/-0.456 χ^2/NDF:4527721.5/44

All: 3253.047+/-0.328 χ^2/NDF: 8526586.7/85



Right In: -132.163+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -109.120+/-300.088 χ^2/NDF: 24.8/20

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

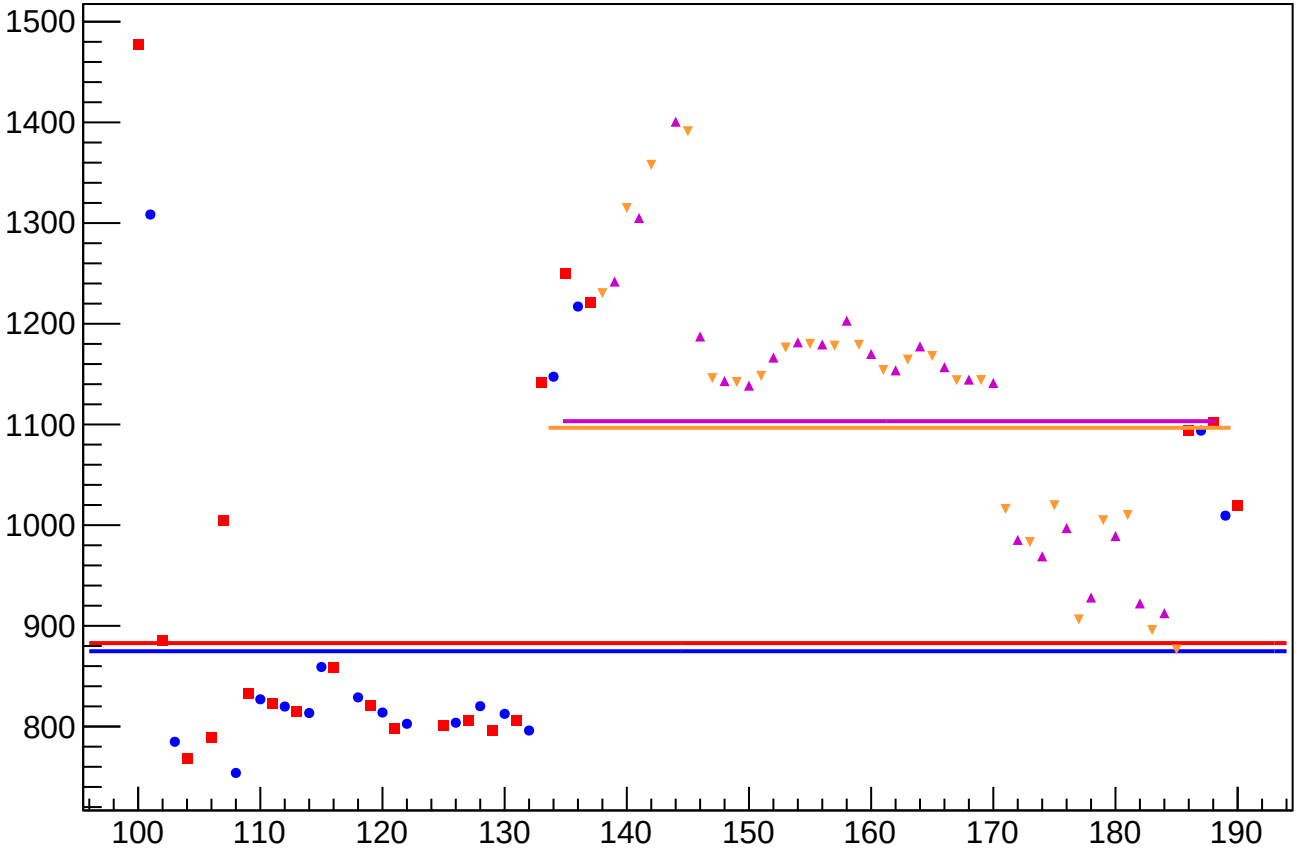
Right: -120.081+/-217.293 χ^2/NDF: 39.4/38

In: -275.677+/-200.217 χ^2/NDF:31.0/40

Out: 231.244+/-194.905 χ^2/NDF:72.2/44

All: -15.403+/-139.659 χ^2/NDF: 106.5/85

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 874.797+/-0.223 χ^2/NDF: 443843.7/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 882.860+/-0.211 χ^2/NDF: 410395.4/20

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

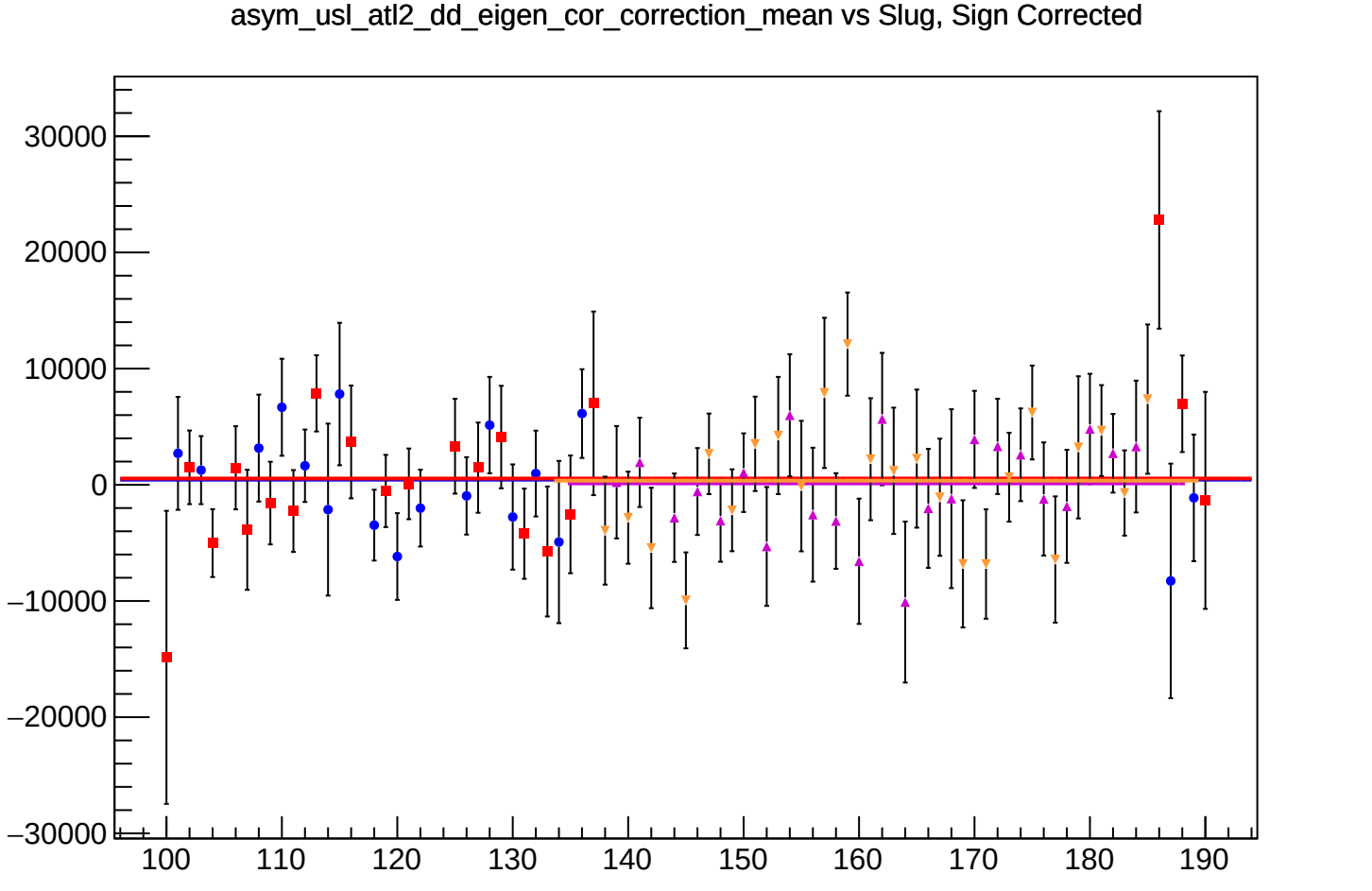
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 879.042+/-0.153 χ^2/NDF: 854928.7/38

In: 1011.006+/-0.142 χ^2/NDF:1518454.2/40

Out: 1006.030+/-0.138 χ^2/NDF:1481180.4/44

All: 1008.446+/-0.099 χ^2/NDF: 3000269.9/85



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 542.913+/-891.985 χ^2/NDF: 25.6/20

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

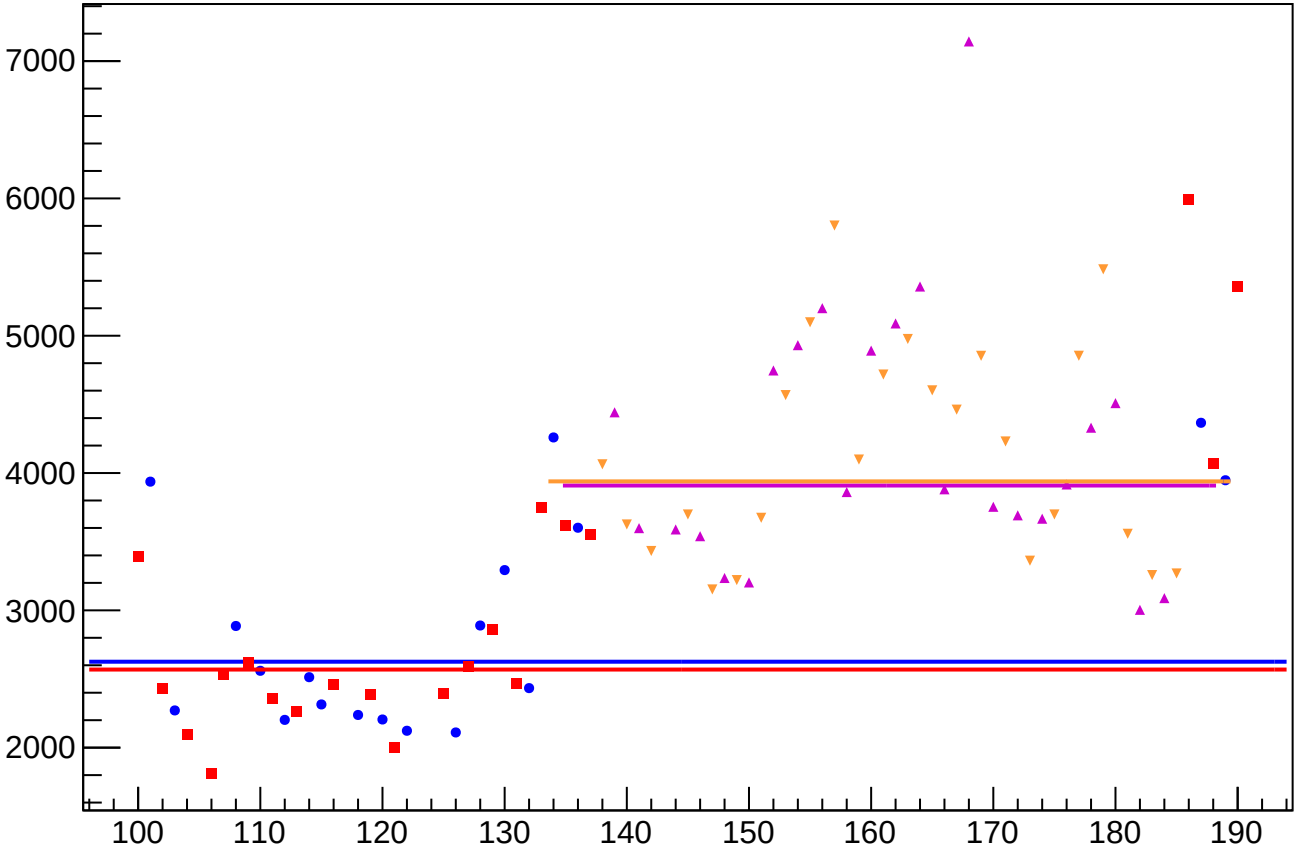
Right: 496.284+/-653.459 χ^2/NDF: 41.2/38

In: 279.889+/-668.948 χ^2/NDF:29.4/40

Out: 454.601+/-645.143 χ^2/NDF:55.9/44

All: 370.409+/-464.373 χ^2/NDF: 85.3/85

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2625.849+/-0.679 χ^2/NDF: 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2568.800+/-0.631 χ^2/NDF: 1183601.3/20

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

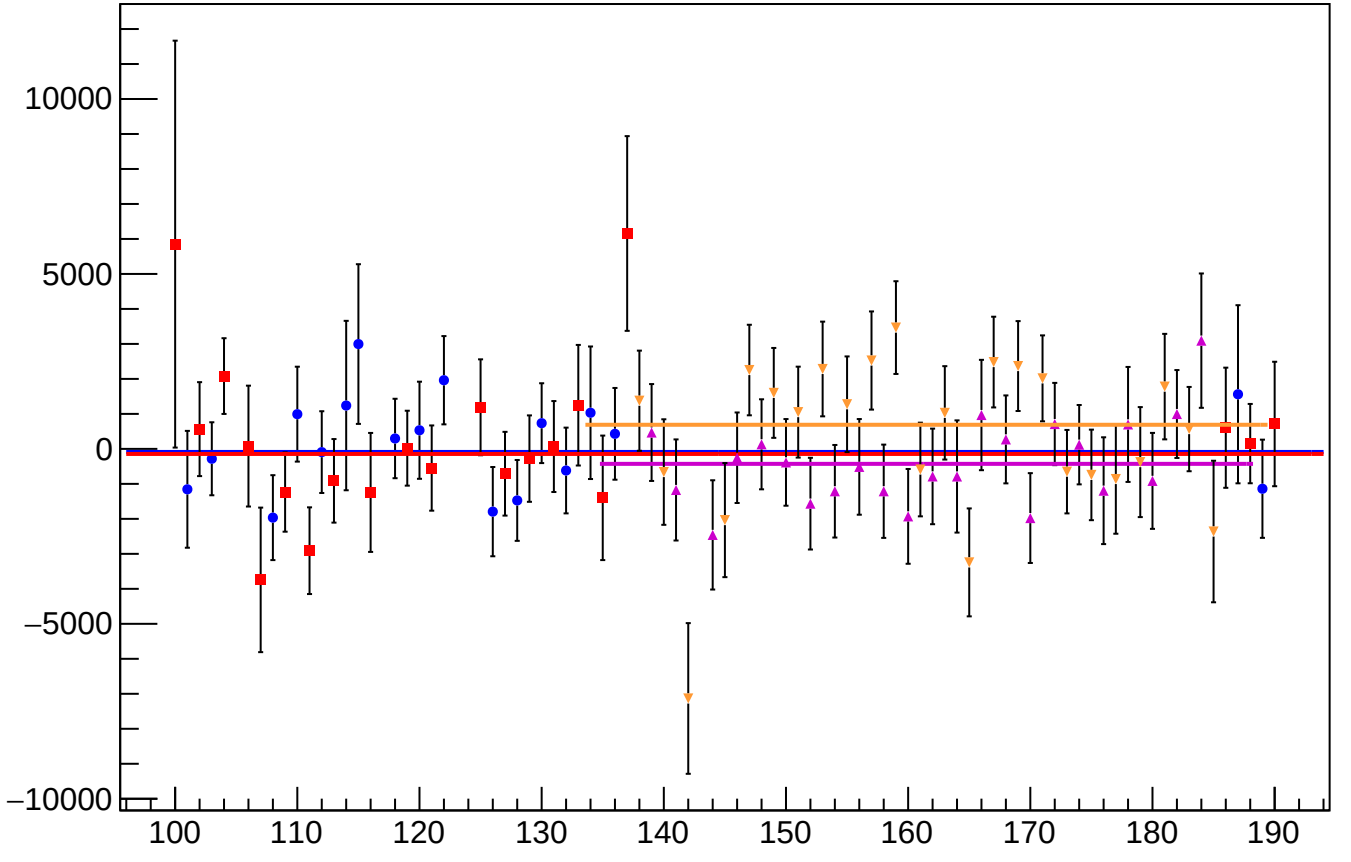
Right: 2595.231+/-0.462 χ^2/NDF: 2037582.2/38

In: 3286.047+/-0.473 χ^2/NDF:3989471.2/40

Out: 3222.354+/-0.456 χ^2/NDF:4527721.5/44

All: 3253.047+/-0.328 χ^2/NDF: 8526586.7/85

dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -87.682+/-318.789 χ^2/NDF: 14.0/17

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -144.818+/-305.355 χ^2/NDF: 23.5/20

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

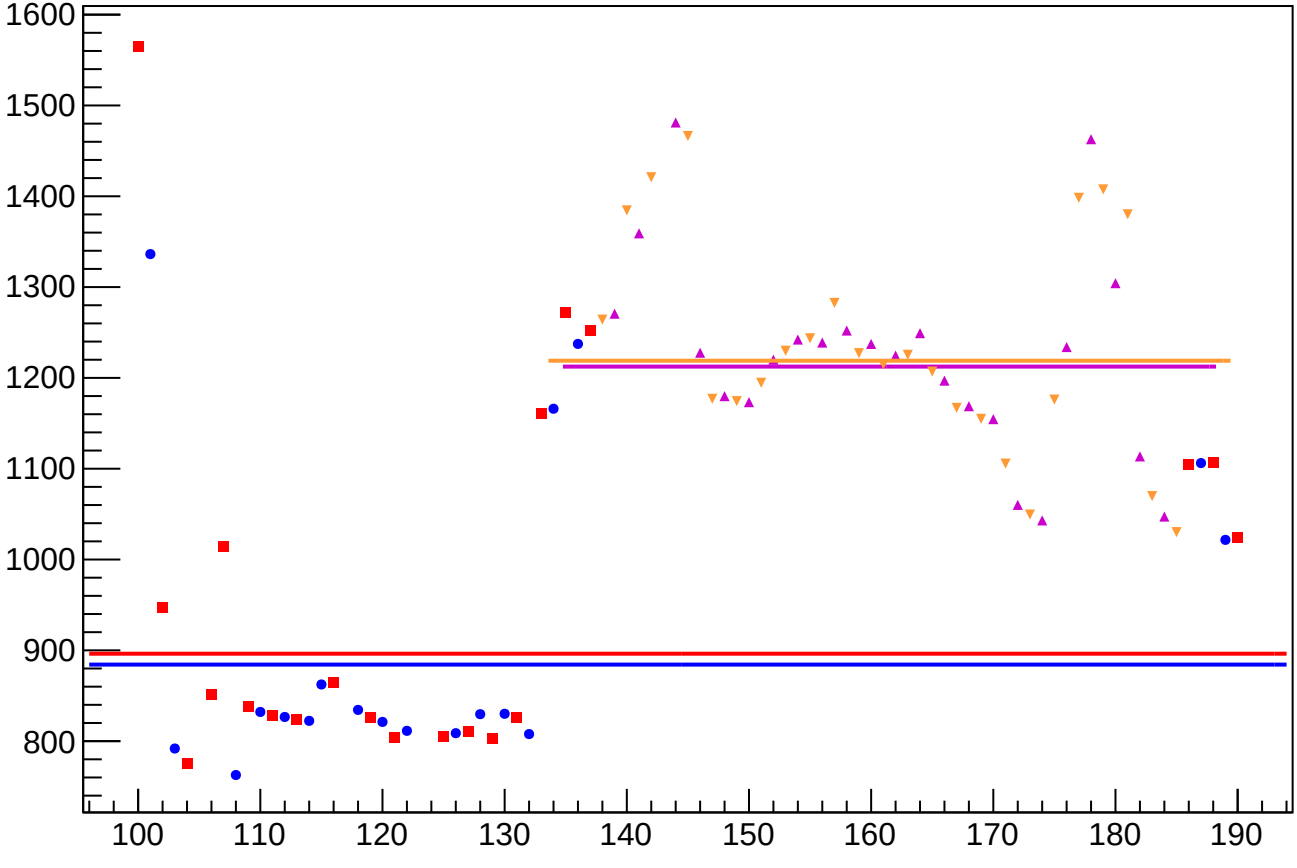
Right: -117.479+/-220.515 χ^2/NDF: 37.5/38

In: -277.220+/-212.215 χ^2/NDF:29.2/40

Out: 301.745+/-208.111 χ^2/NDF:73.2/44

All: 17.915+/-148.586 χ^2/NDF: 106.2/85

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 884.302+/-0.225 χ^2/NDF: 453810.7/17

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 896.302+/-0.216 χ^2/NDF: 415414.1/20

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

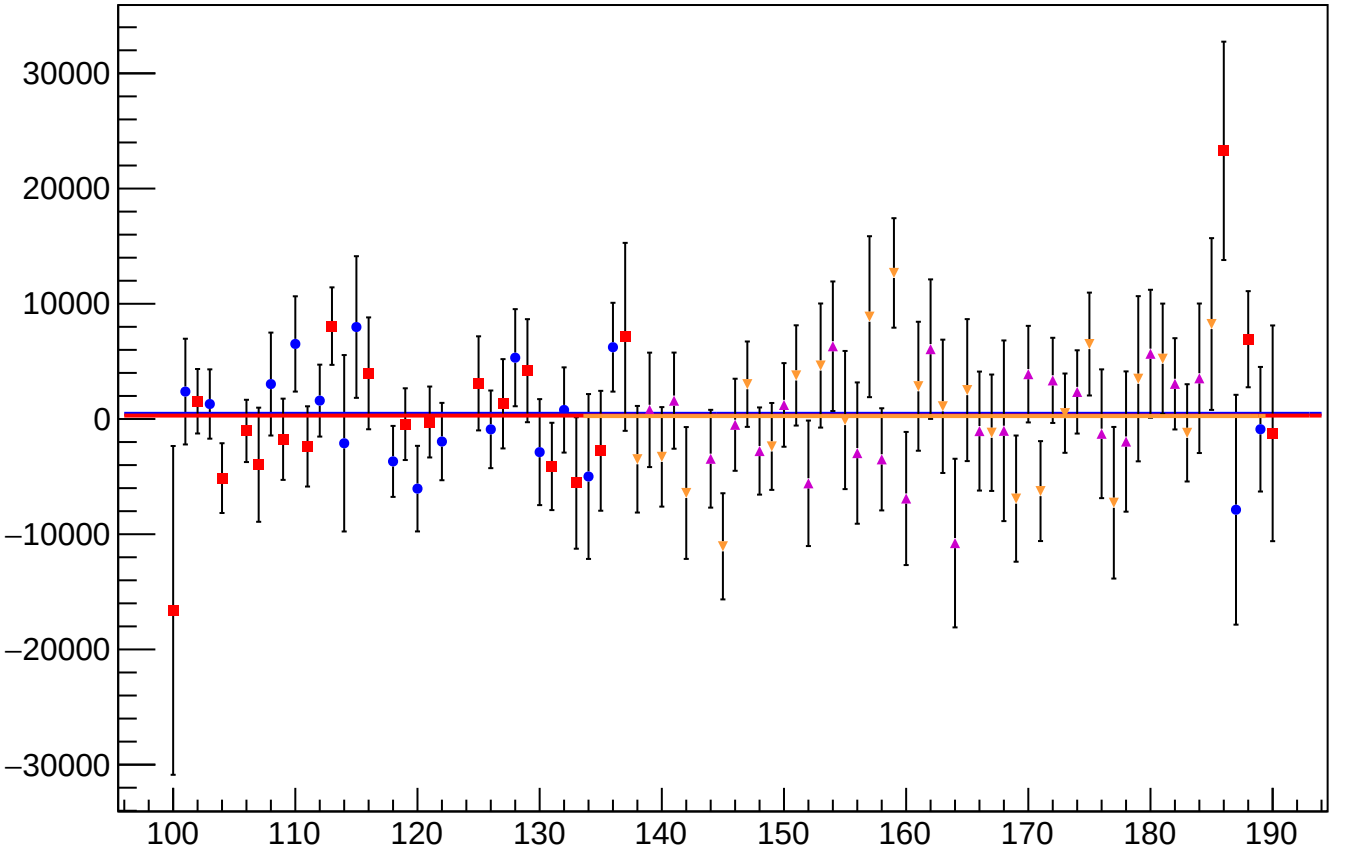
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 890.565+/-0.156 χ^2/NDF: 870704.0/38

In: 1067.032+/-0.150 χ^2/NDF:1894179.4/40

Out: 1068.933+/-0.147 χ^2/NDF:1905980.2/44

All: 1068.002+/-0.105 χ^2/NDF: 3800241.5/85



Right In: 449.740+/-964.406 χ^2/NDF: 15.5/17

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 297.056+/-866.829 χ^2/NDF: 25.9/20

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

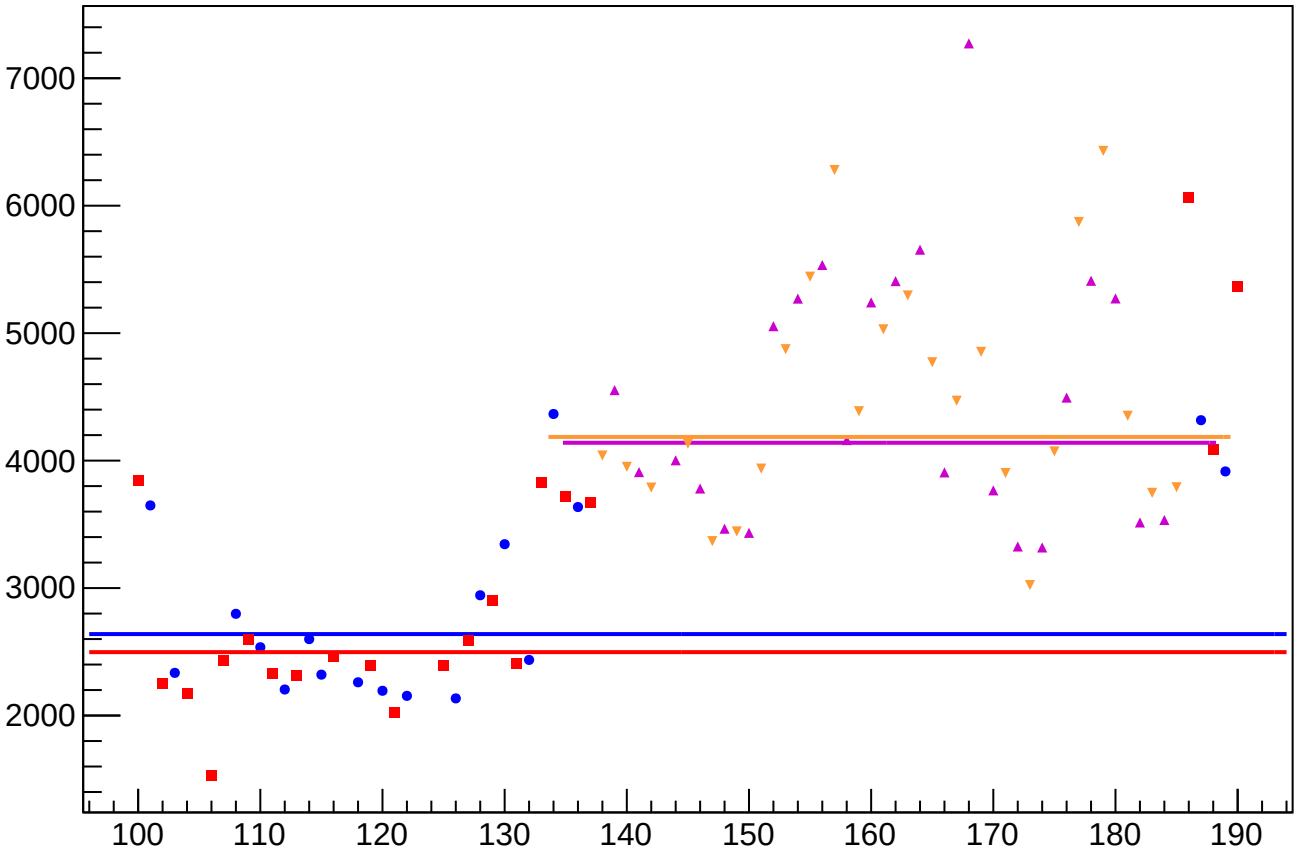
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 365.285+/-644.687 χ^2/NDF: 41.4/38

In: 360.398+/-690.837 χ^2/NDF:28.9/40

Out: 277.965+/-653.632 χ^2/NDF:55.6/44

All: 316.902+/-474.796 χ^2/NDF: 84.5/85



Right In: 2639.072+/-0.682 χ^2/NDF: 792246.9/17

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2497.408+/-0.613 χ^2/NDF: 1416491.1/20

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

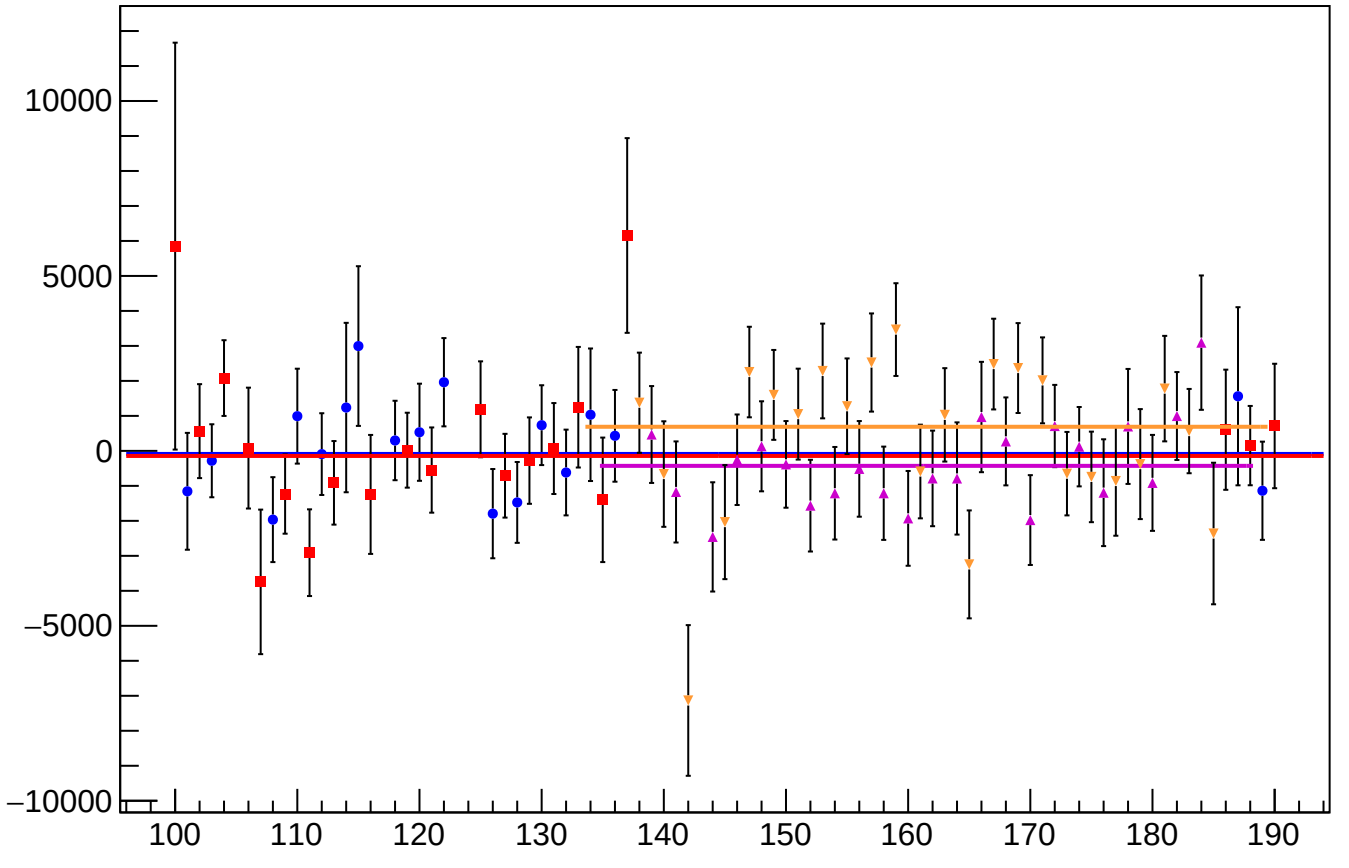
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2560.713+/-0.456 χ^2/NDF: 2232608.5/38

In: 3369.846+/-0.488 χ^2/NDF:4600845.4/40

Out: 3225.734+/-0.462 χ^2/NDF:5960583.8/44

All: 3293.805+/-0.336 χ^2/NDF: 10607351.8/8



Right In: -87.686+/-318.789 χ^2/NDF: 14.0/17

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -144.822+/-305.355 χ^2/NDF: 23.5/20

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

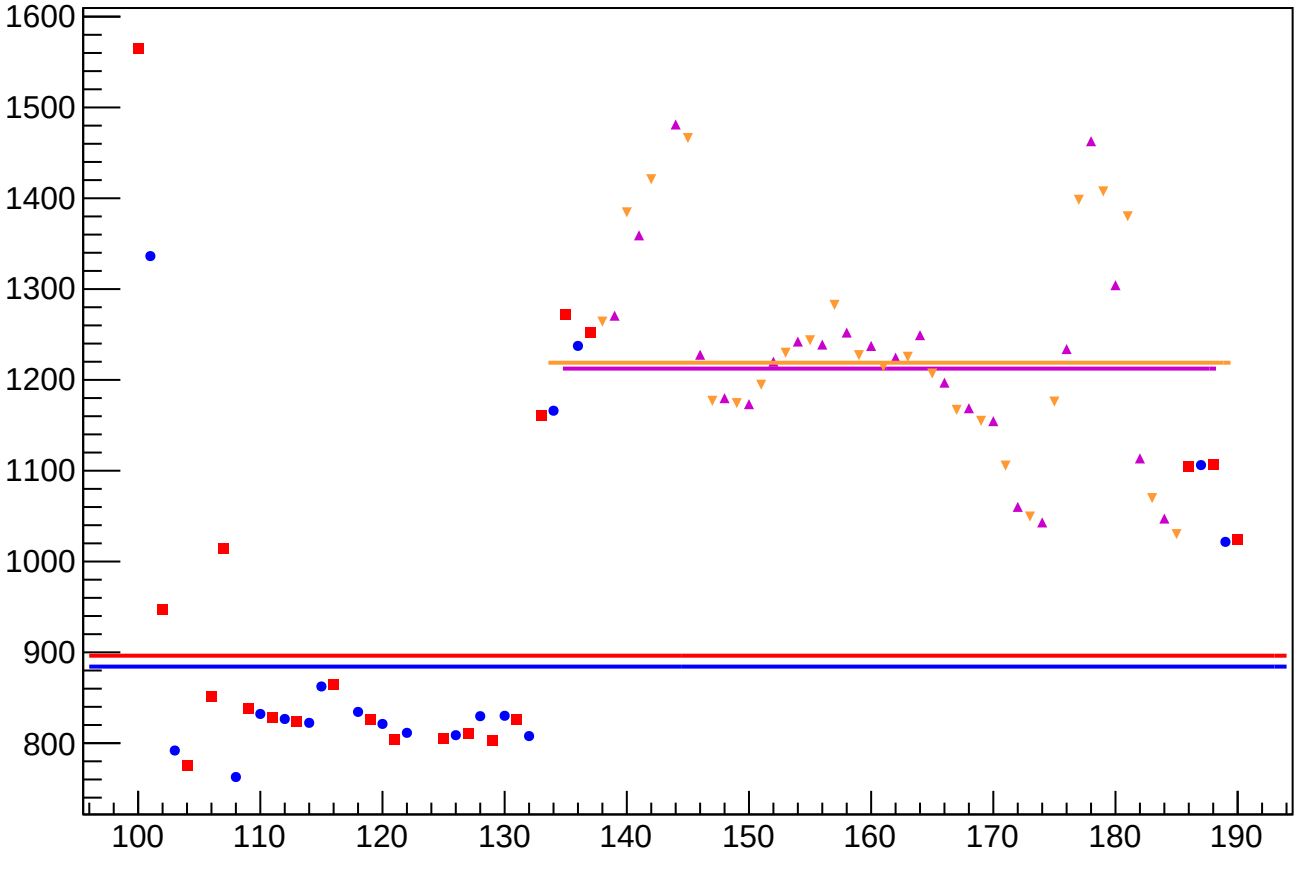
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -117.483+/-220.515 χ^2/NDF: 37.5/38

In: -277.220+/-212.215 χ^2/NDF:29.2/40

Out: 301.744+/-208.111 χ^2/NDF:73.2/44

All: 17.914+/-148.586 χ^2/NDF: 106.2/85



Right In: 884.302+/-0.225 χ^2/NDF: 453810.3/17

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 896.302+/-0.216 χ^2/NDF: 415413.6/20

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

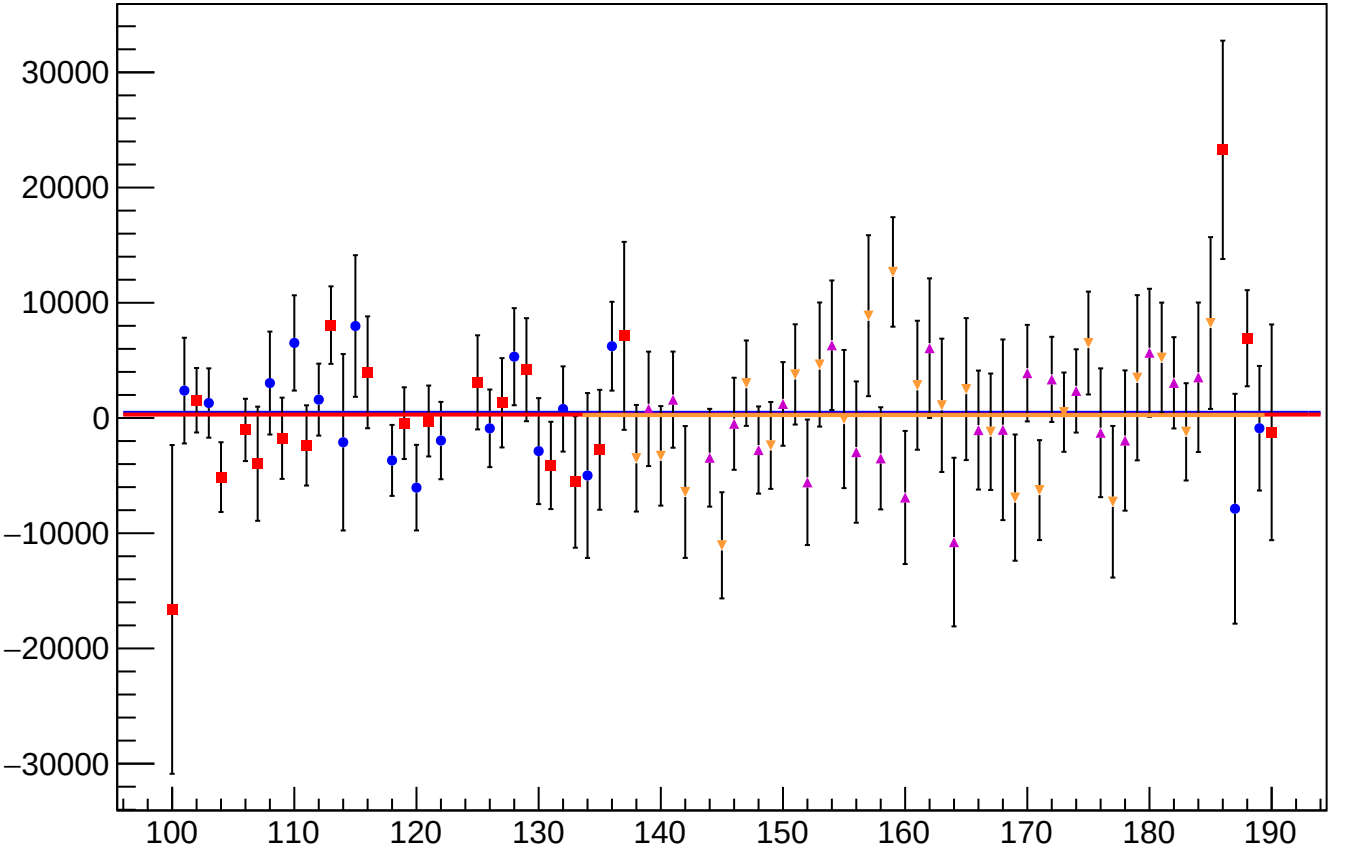
Right: 890.565+/-0.156 χ^2/NDF: 870703.2/38

In: 1067.032+/-0.150 χ^2/NDF:1894195.4/40

Out: 1068.934+/-0.147 χ^2/NDF:1905997.4/44

All: 1068.002+/-0.105 χ^2/NDF: 3800274.7/85

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 449.737+/-964.403 χ^2/NDF: 15.5/17

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 297.052+/-866.827 χ^2/NDF: 25.9/20

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

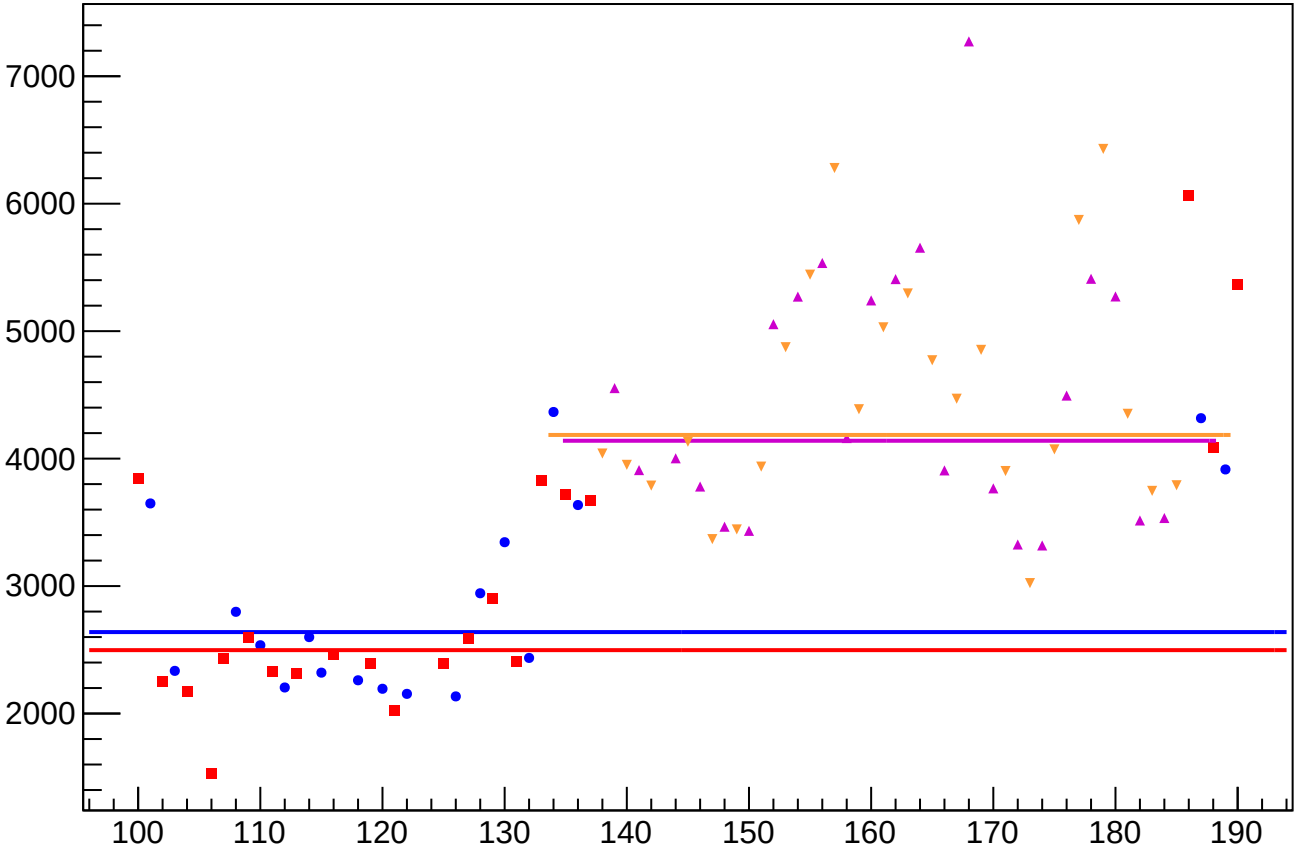
Right: 365.282+/-644.685 χ^2/NDF: 41.4/38

In: 360.397+/-690.837 χ^2/NDF:28.9/40

Out: 277.963+/-653.631 χ^2/NDF:55.6/44

All: 316.901+/-474.796 χ^2/NDF: 84.5/85

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2639.064+/-0.682 χ^2/NDF: 792256.2/17

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2497.401+/-0.613 χ^2/NDF: 1416499.8/20

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

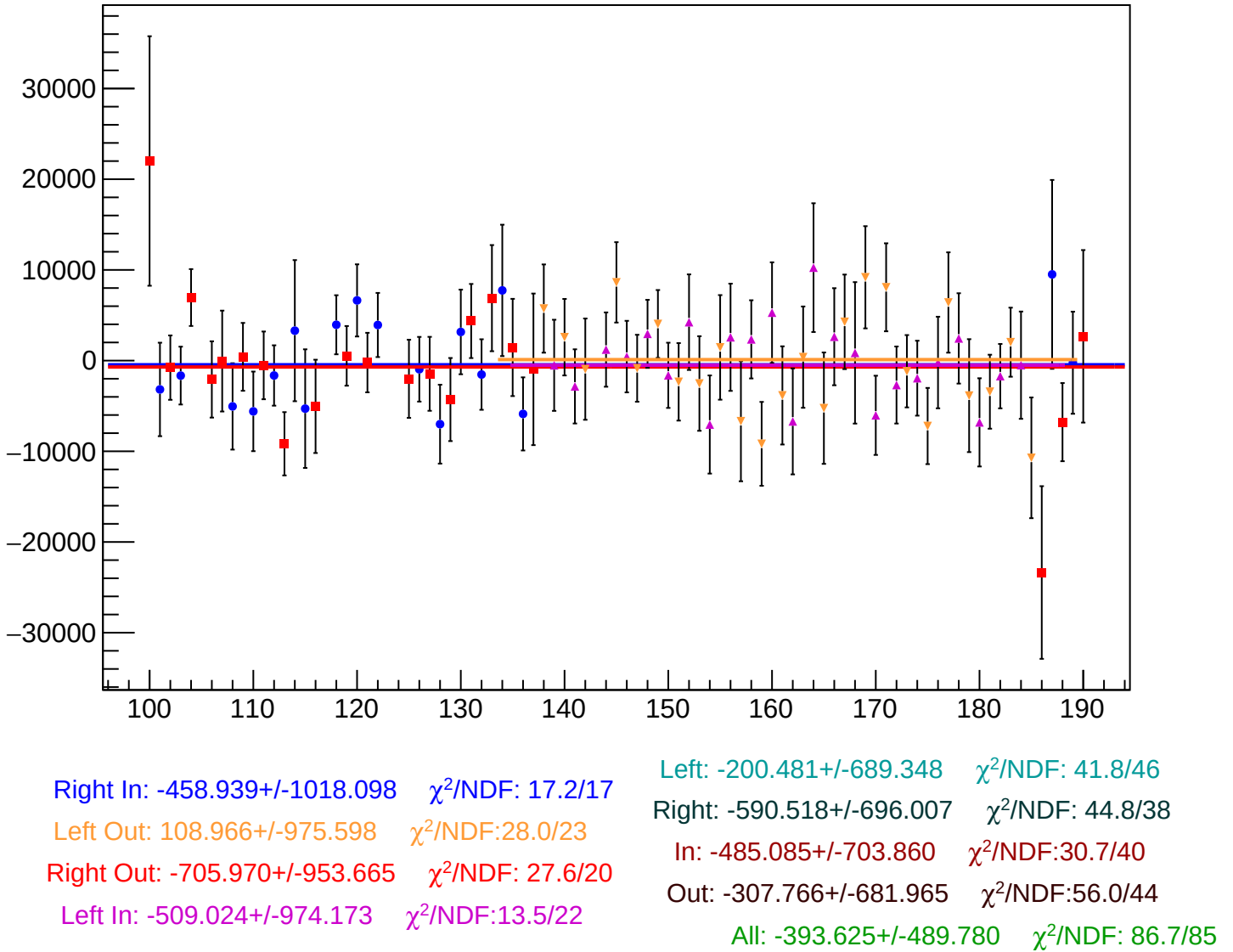
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2560.705+/-0.456 χ^2/NDF: 2232626.0/38

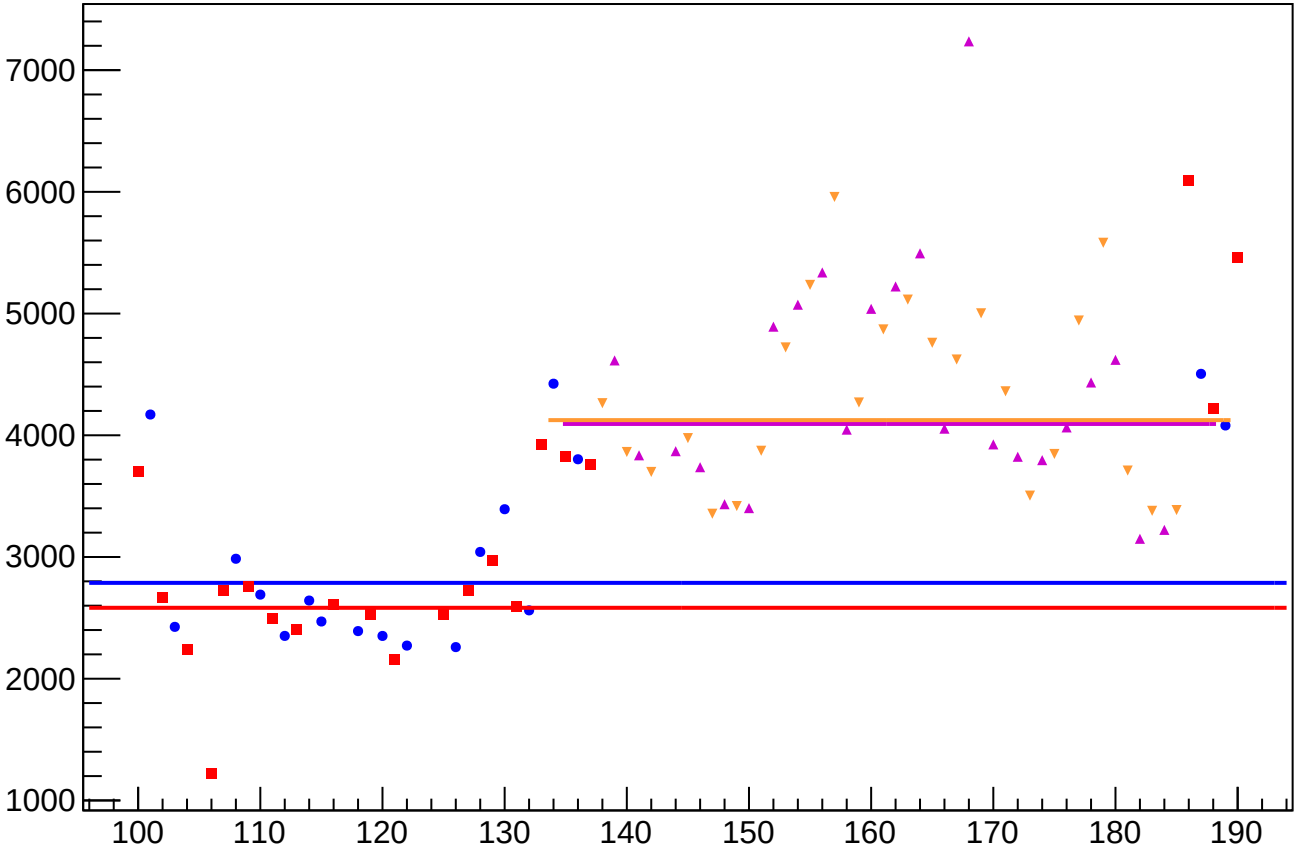
In: 3369.842+/-0.488 χ^2/NDF:4600907.4/40

Out: 3225.730+/-0.462 χ^2/NDF:5960650.0/44

All: 3293.801+/-0.336 χ^2/NDF: 10607480.0/8


asym_usl_atl2_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -458.939+/-1018.098 χ²/NDF: 17.2/17
Left Out: 108.966+/-975.598 χ²/NDF:28.0/23
Right Out: -705.970+/-953.665 χ²/NDF: 27.6/20
Left In: -509.024+/-974.173 χ²/NDF:13.5/22
Left: -200.481+/-689.348 χ²/NDF: 41.8/46
Right: -590.518+/-696.007 χ²/NDF: 44.8/38
In: -485.085+/-703.860 χ²/NDF:30.7/40
Out: -307.766+/-681.965 χ²/NDF:56.0/44
All: -393.625+/-489.780 χ²/NDF: 86.7/85

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2787.514+/-0.720 χ^2/NDF: 789898.2/17

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2582.663+/-0.646 χ^2/NDF: 1680771.3/20

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

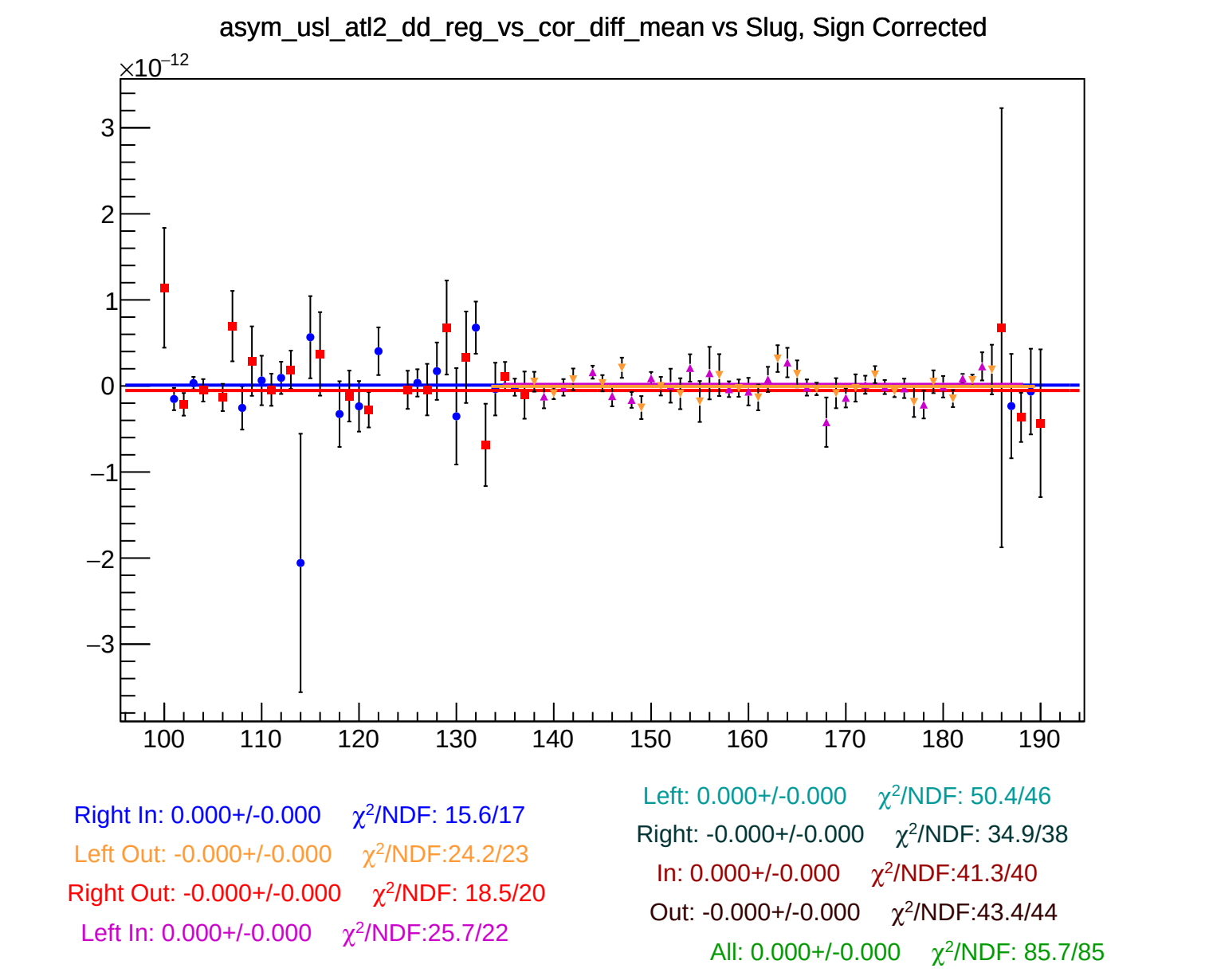
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

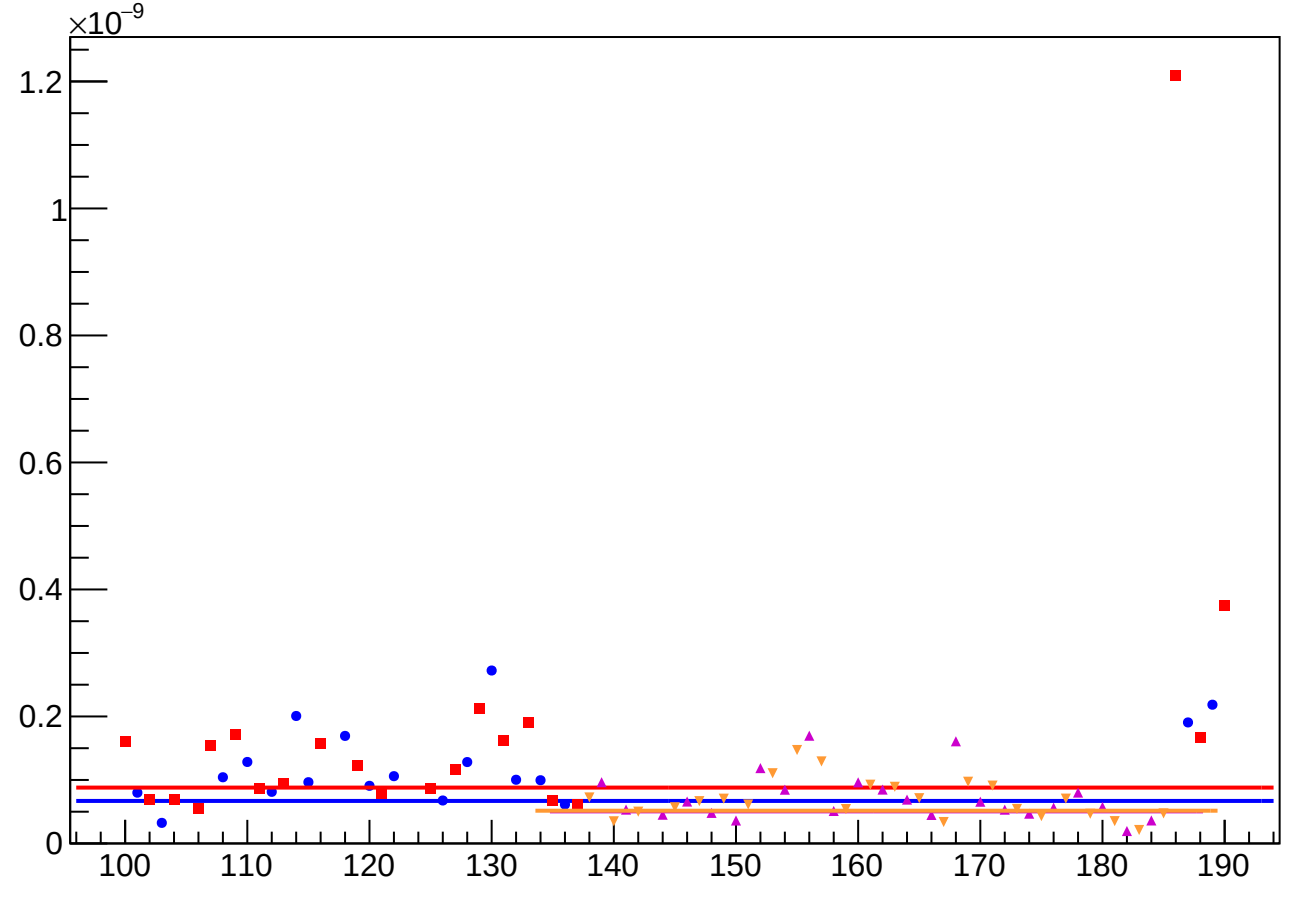
Right: 2673.959+/-0.481 χ^2/NDF: 2515554.0/38

In: 3469.060+/-0.498 χ^2/NDF:3669636.8/40

Out: 3302.422+/-0.471 χ^2/NDF:5314042.4/44

All: 3381.210+/-0.342 χ^2/NDF: 9042776.5/85


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.6/17
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/20
Left In: 0.000+/-0.000 χ²/NDF:25.7/22
Left: 0.000+/-0.000 χ²/NDF: 50.4/46
Right: -0.000+/-0.000 χ²/NDF: 34.9/38
In: 0.000+/-0.000 χ²/NDF:41.3/40
Out: -0.000+/-0.000 χ²/NDF:43.4/44
All: 0.000+/-0.000 χ²/NDF: 85.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1494394.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1464395.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

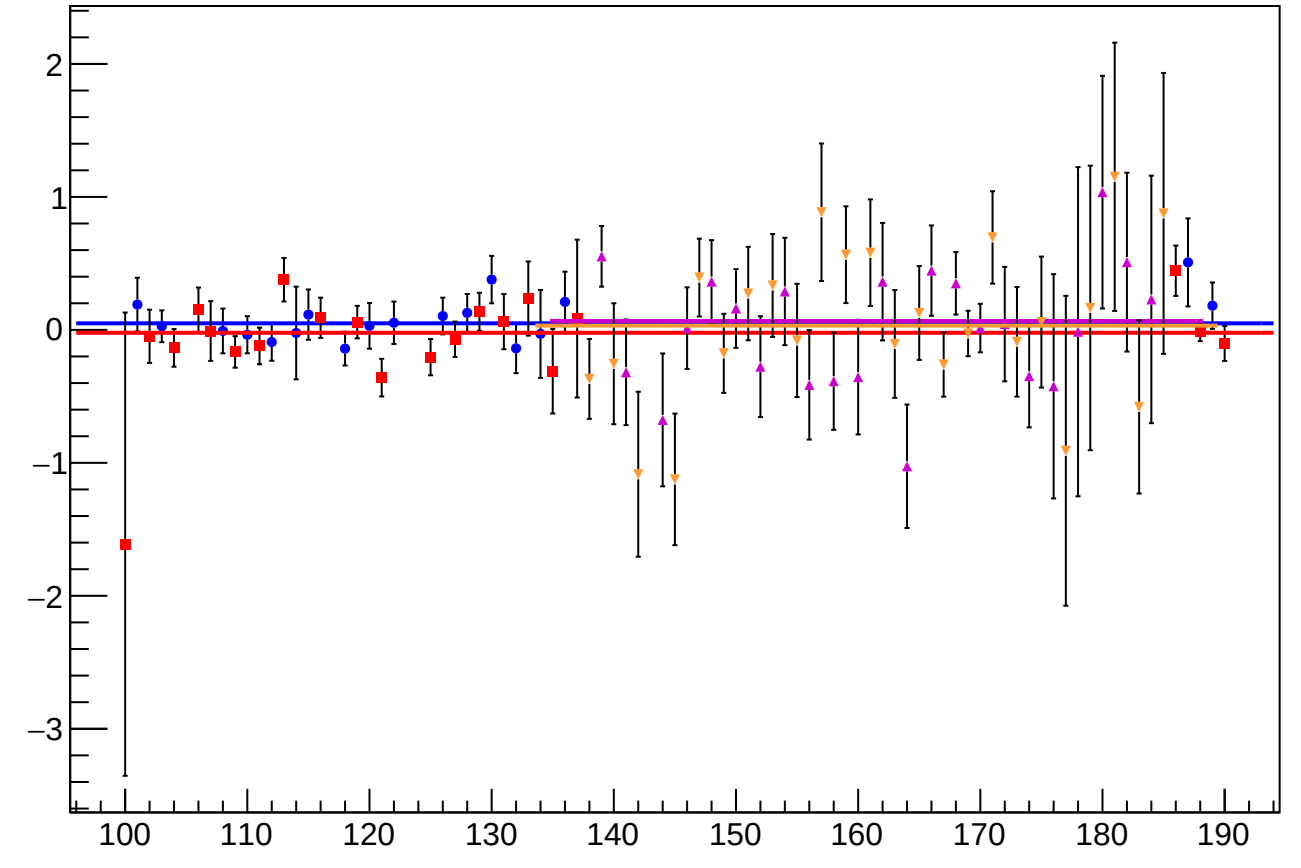
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 3148651.4/38

In: 0.000+/-0.000 χ^2/NDF:4153045.3/40

Out: 0.000+/-0.000 χ^2/NDF:4553639.5/44

All: 0.000+/-0.000 χ^2/NDF: 8733977.8/85



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 28.6/20

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

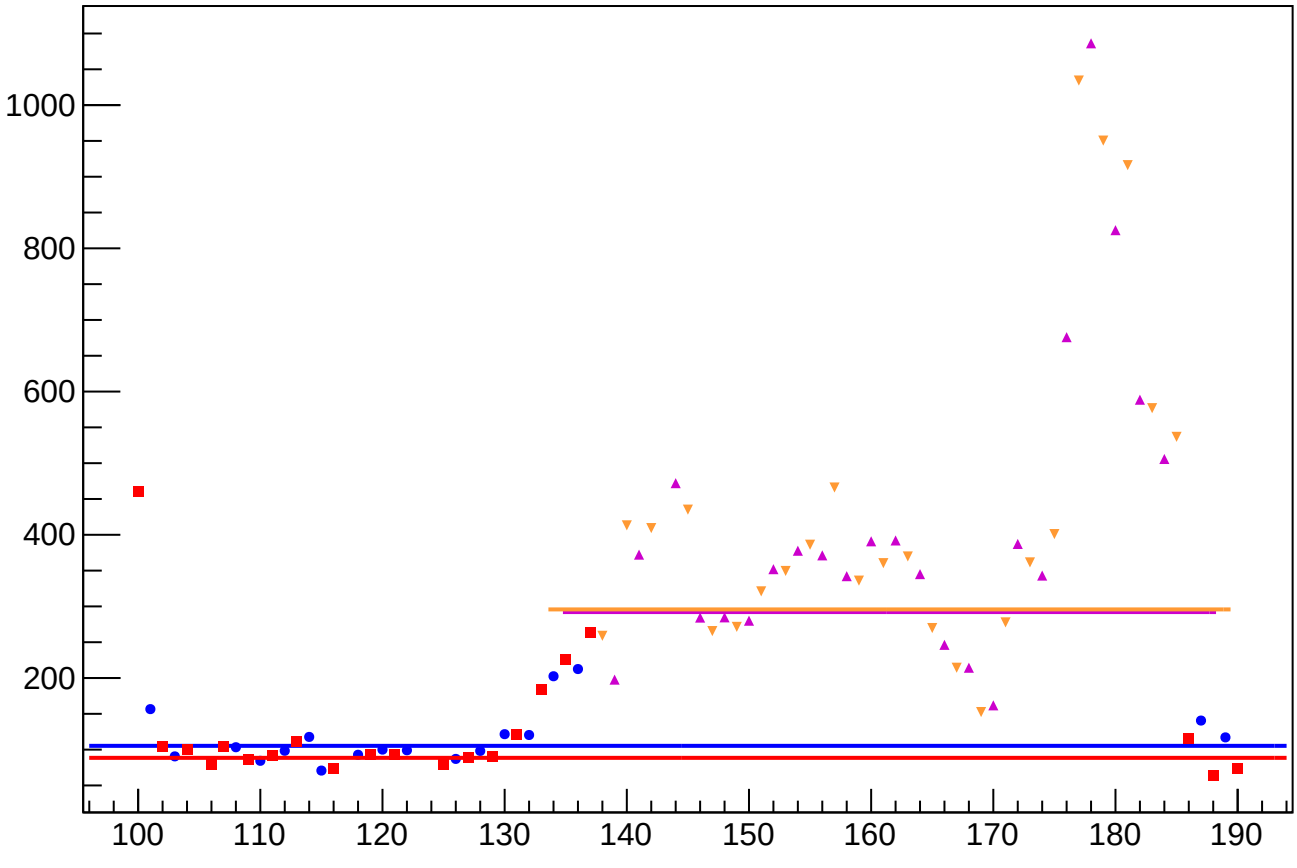
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.025 χ^2/NDF: 42.9/38

In: 0.053+/-0.035 χ^2/NDF:38.1/40

Out: -0.013+/-0.030 χ^2/NDF:58.8/44

All: 0.015+/-0.023 χ^2/NDF: 99.0/85



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 88.533+/-0.023 χ^2/NDF: 1366667.7/20

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

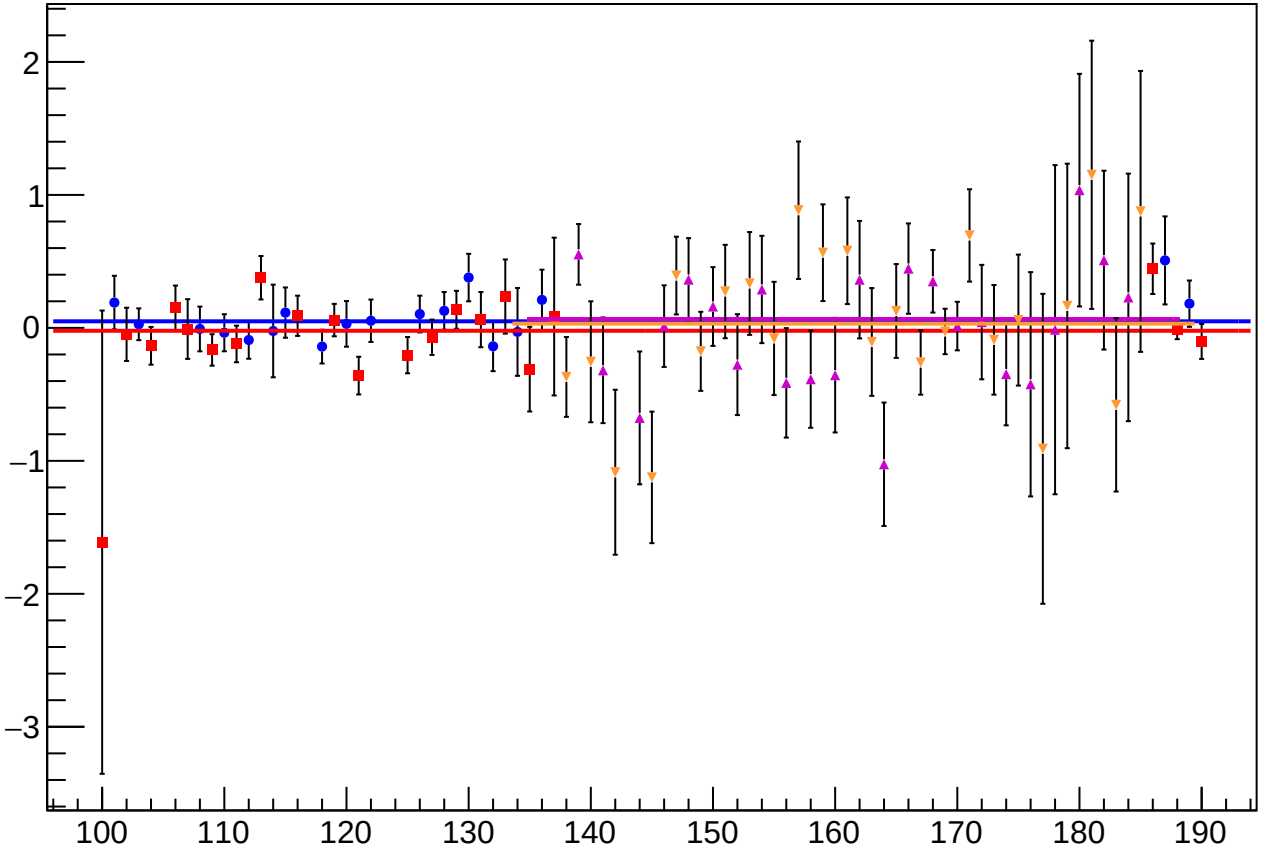
Right: 95.244+/-0.018 χ^2/NDF: 2604592.5/38

In: 146.341+/-0.025 χ^2/NDF:15832963.9/40

Out: 120.399+/-0.021 χ^2/NDF:19454058.0/44

All: 131.294+/-0.016 χ^2/NDF: 35923426.0/85

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 28.6/20

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

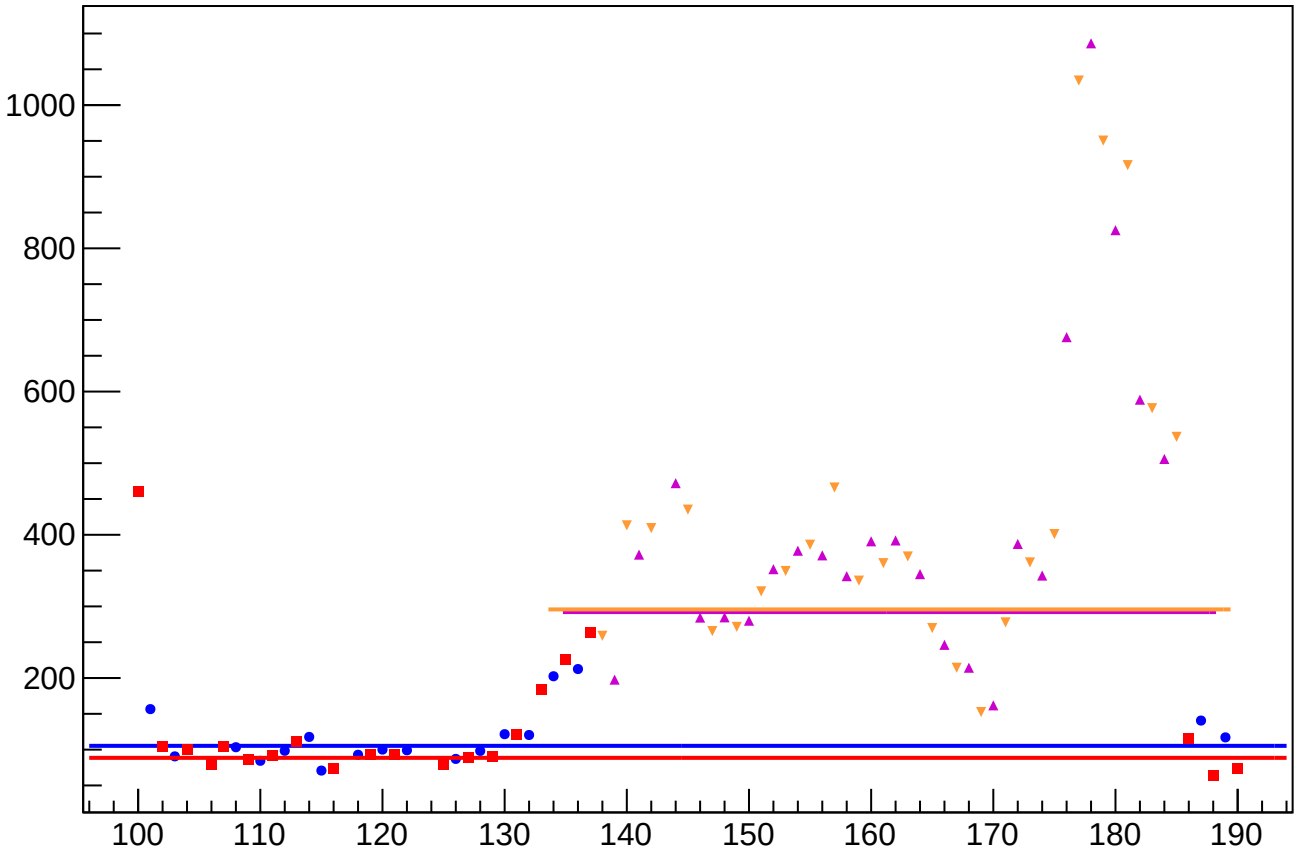
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.025 χ^2/NDF: 42.9/38

In: 0.053+/-0.035 χ^2/NDF:38.1/40

Out: -0.013+/-0.030 χ^2/NDF:58.8/44

All: 0.015+/-0.023 χ^2/NDF: 99.0/85



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 88.533+/-0.023 χ^2/NDF: 1366667.7/20

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

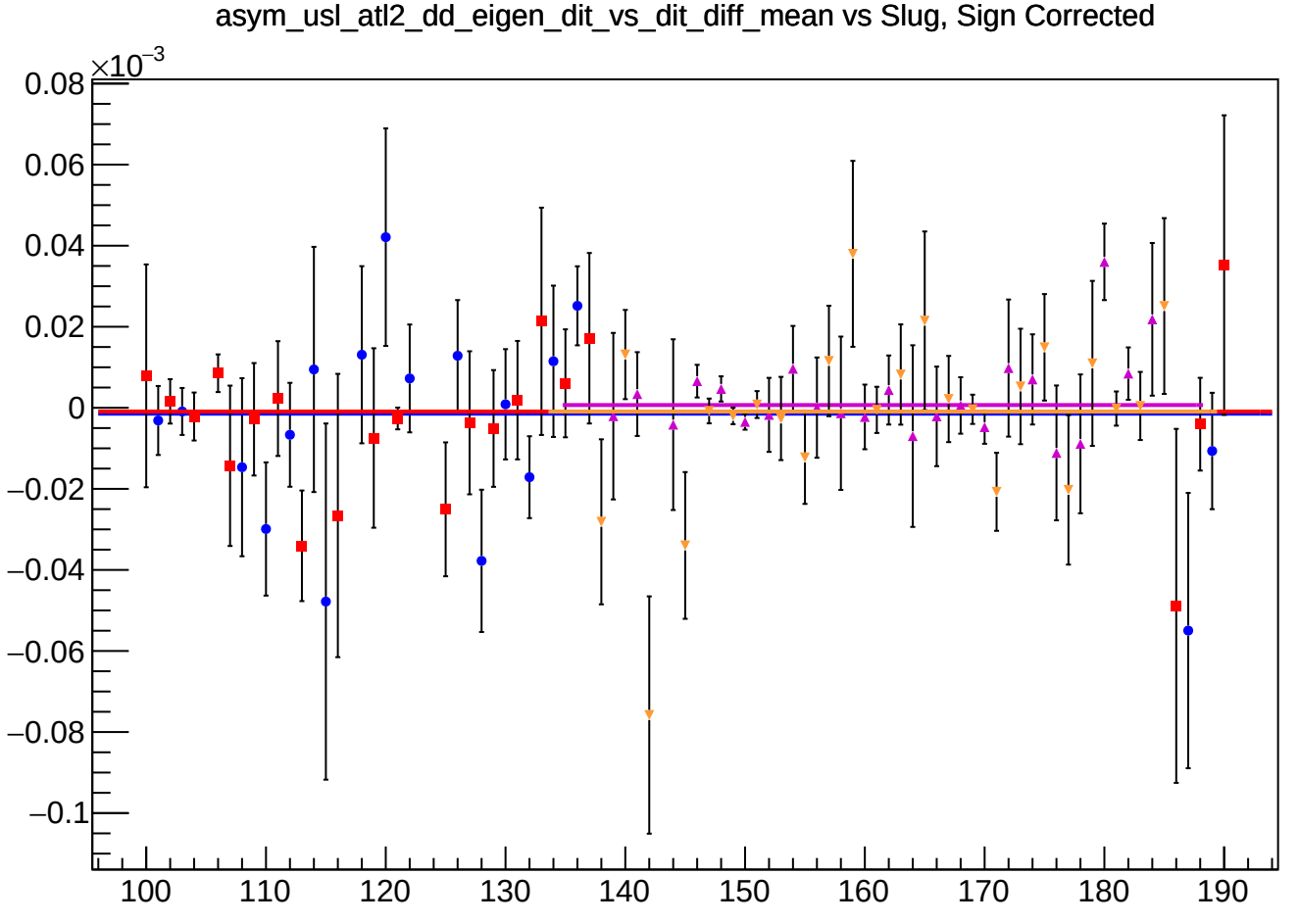
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 95.244+/-0.018 χ^2/NDF: 2604592.5/38

In: 146.341+/-0.025 χ^2/NDF:15832963.9/40

Out: 120.399+/-0.021 χ^2/NDF:19454058.0/44

All: 131.294+/-0.016 χ^2/NDF: 35923426.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/20

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

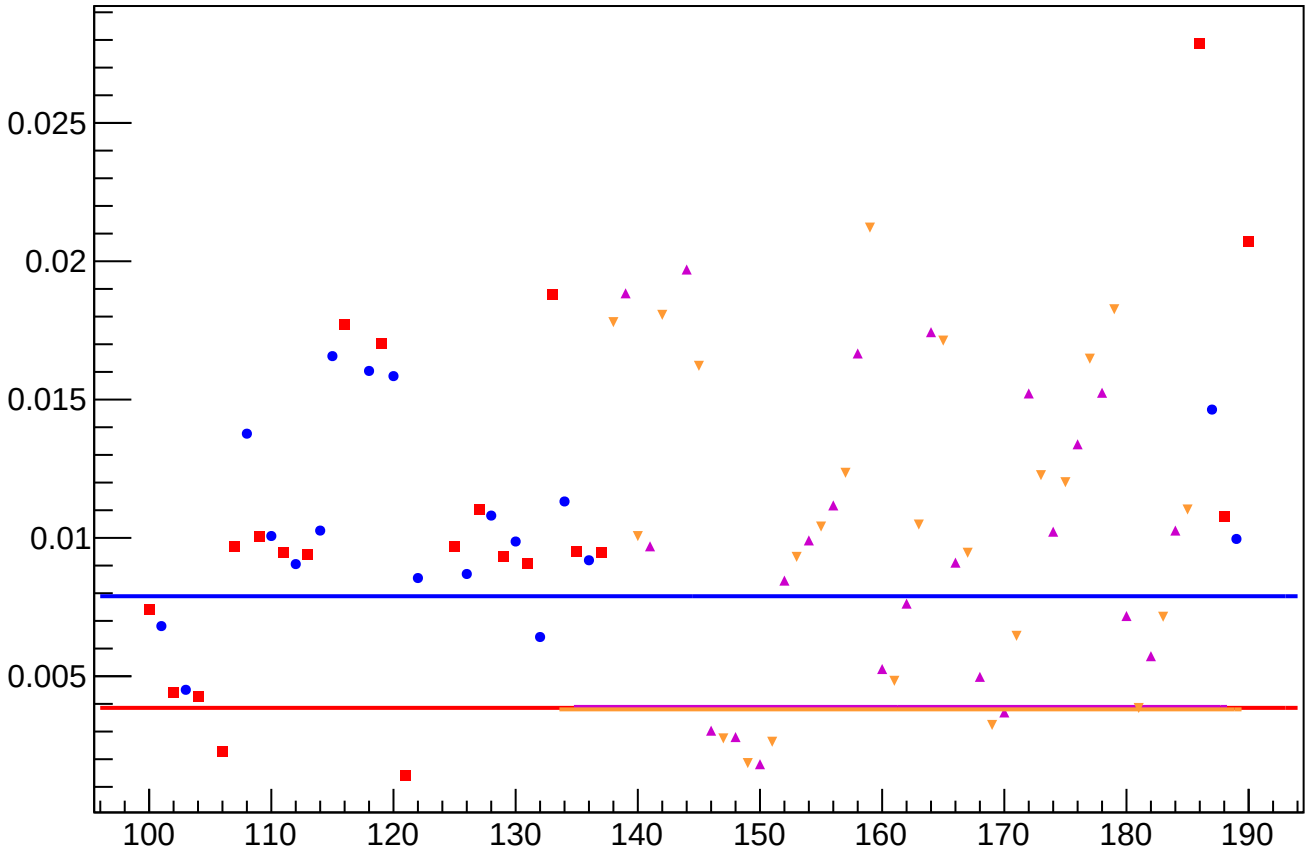
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 45.1/38

In: 0.000+/-0.000 χ^2/NDF:57.2/40

Out: -0.000+/-0.000 χ^2/NDF:47.2/44

All: -0.000+/-0.000 χ^2/NDF: 105.1/85



Right In: 0.008+/-0.000 χ^2/NDF: 1826861.8/17

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 8156765.3/20

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

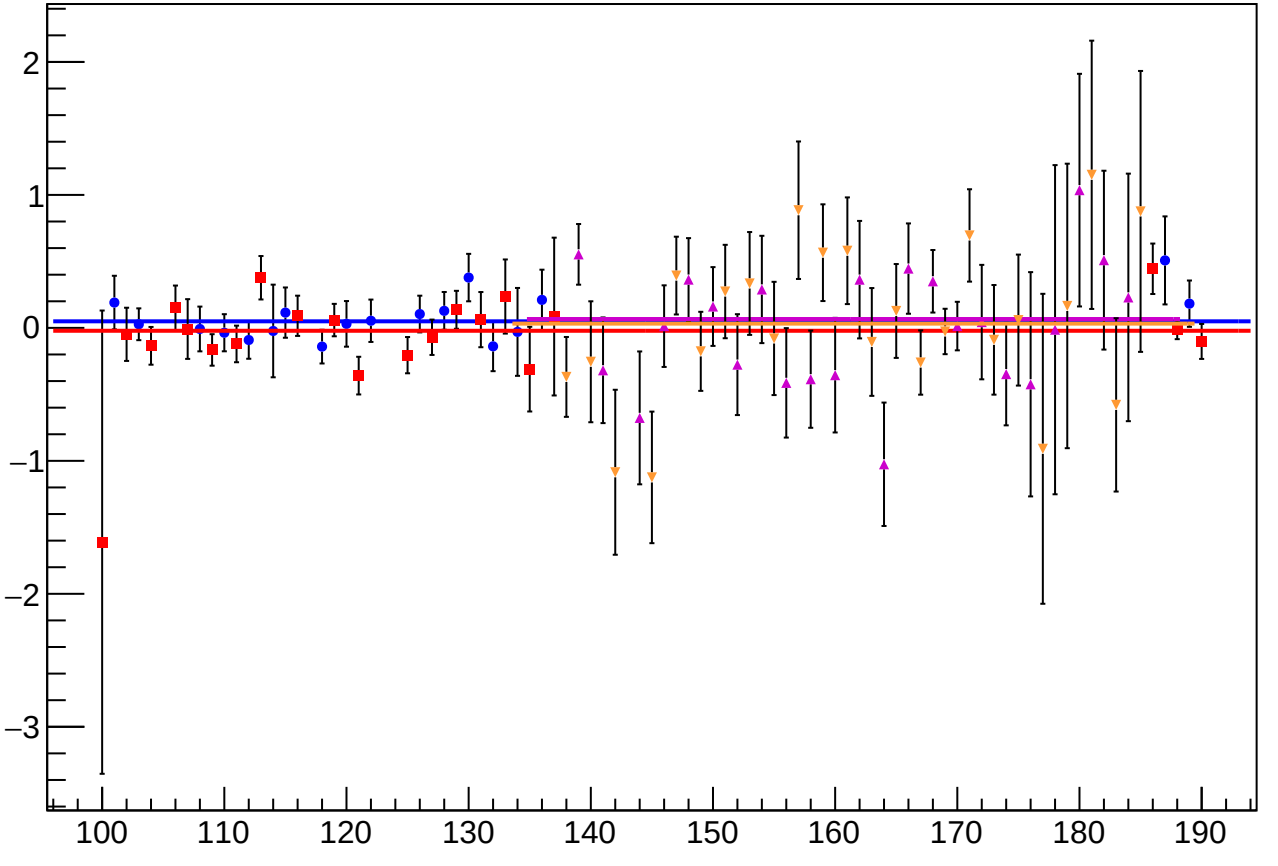
Right: 0.005+/-0.000 χ^2/NDF: 12596455.5/38

In: 0.004+/-0.000 χ^2/NDF:18342912.2/40

Out: 0.004+/-0.000 χ^2/NDF:22782933.8/44

All: 0.004+/-0.000 χ^2/NDF: 41485056.8/85

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 28.6/20

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

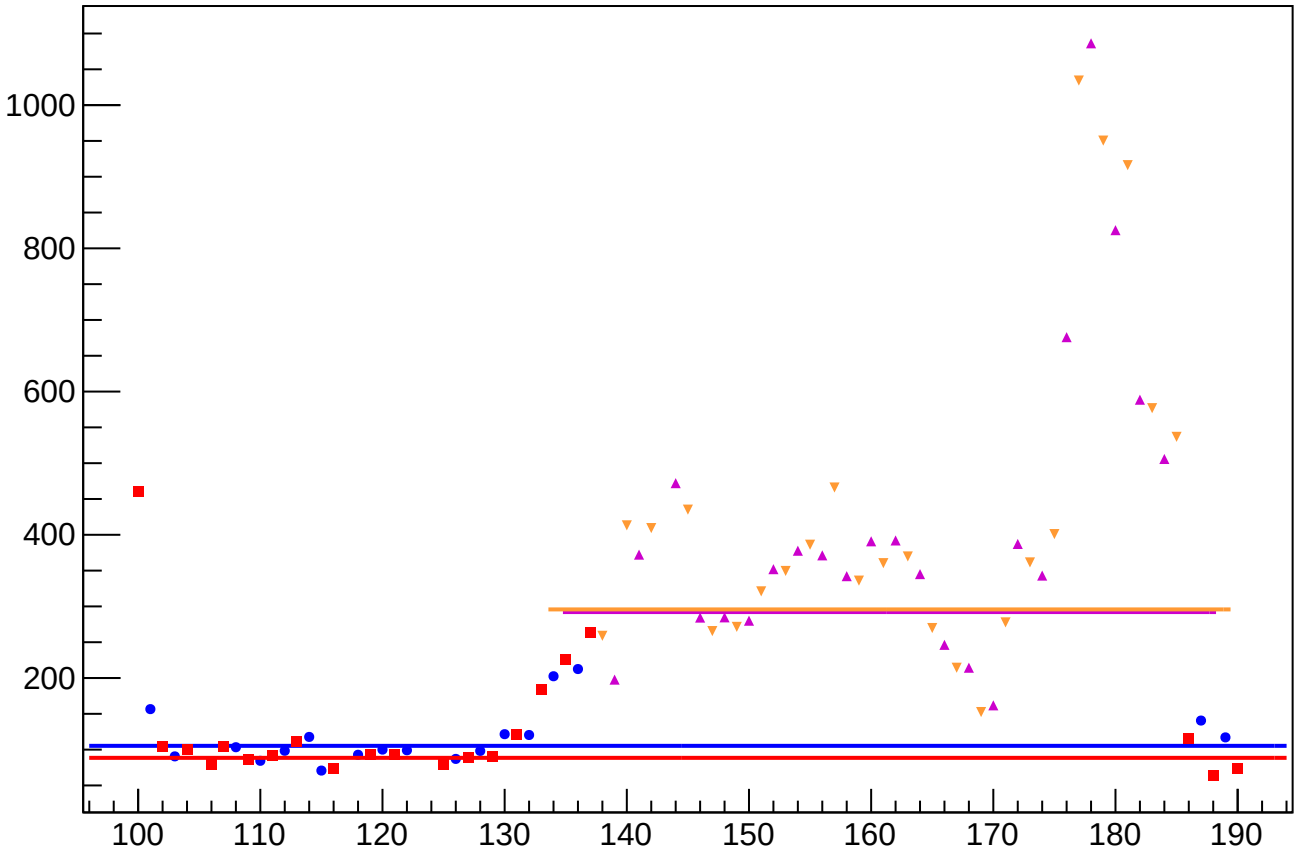
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.025 χ^2/NDF: 42.9/38

In: 0.053+/-0.035 χ^2/NDF:38.1/40

Out: -0.013+/-0.030 χ^2/NDF:58.8/44

All: 0.015+/-0.023 χ^2/NDF: 99.0/85



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 88.532+/-0.023 χ^2/NDF: 1366704.5/20

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

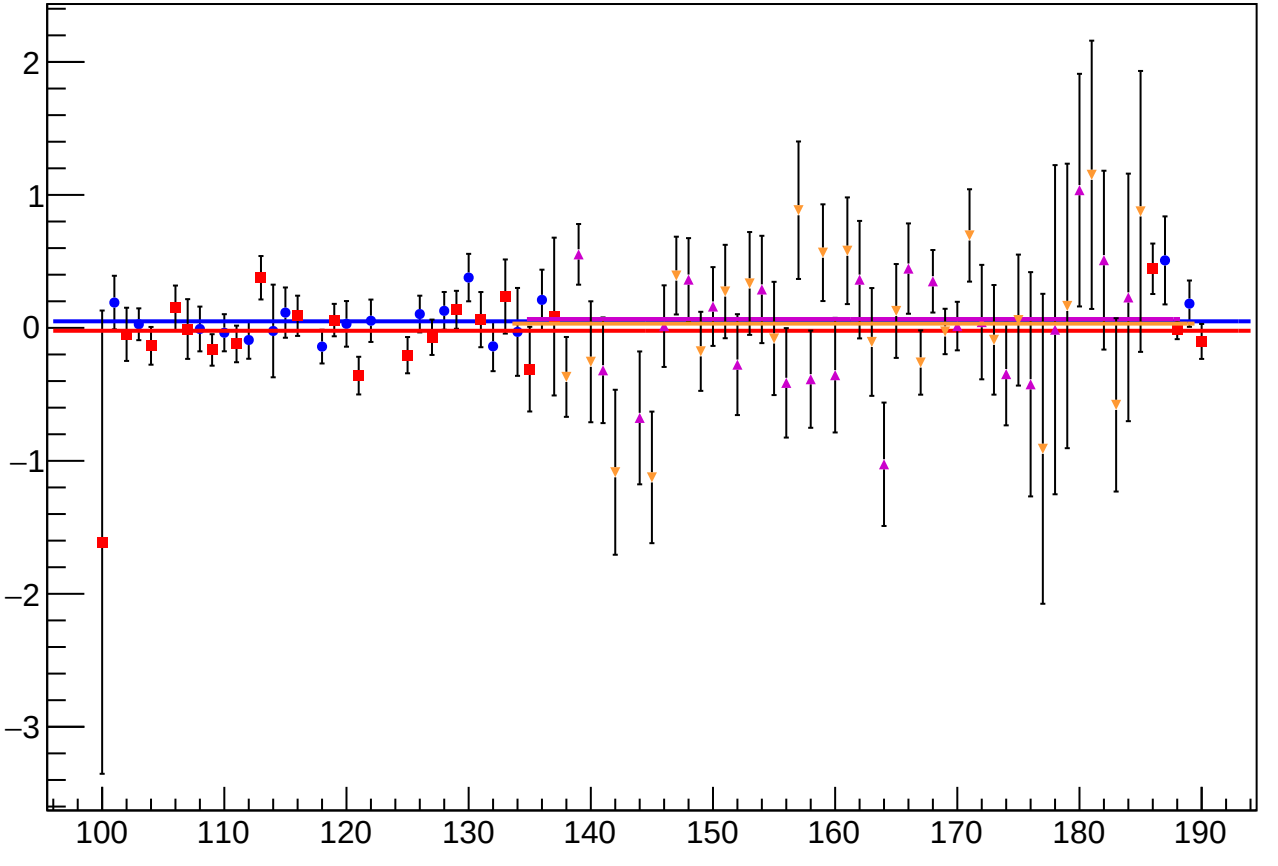
Right: 95.244+/-0.018 χ^2/NDF: 2604623.7/38

In: 146.341+/-0.025 χ^2/NDF:15832981.3/40

Out: 120.397+/-0.021 χ^2/NDF:19454453.5/44

All: 131.293+/-0.016 χ^2/NDF: 35923973.4/85

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 28.6/20

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

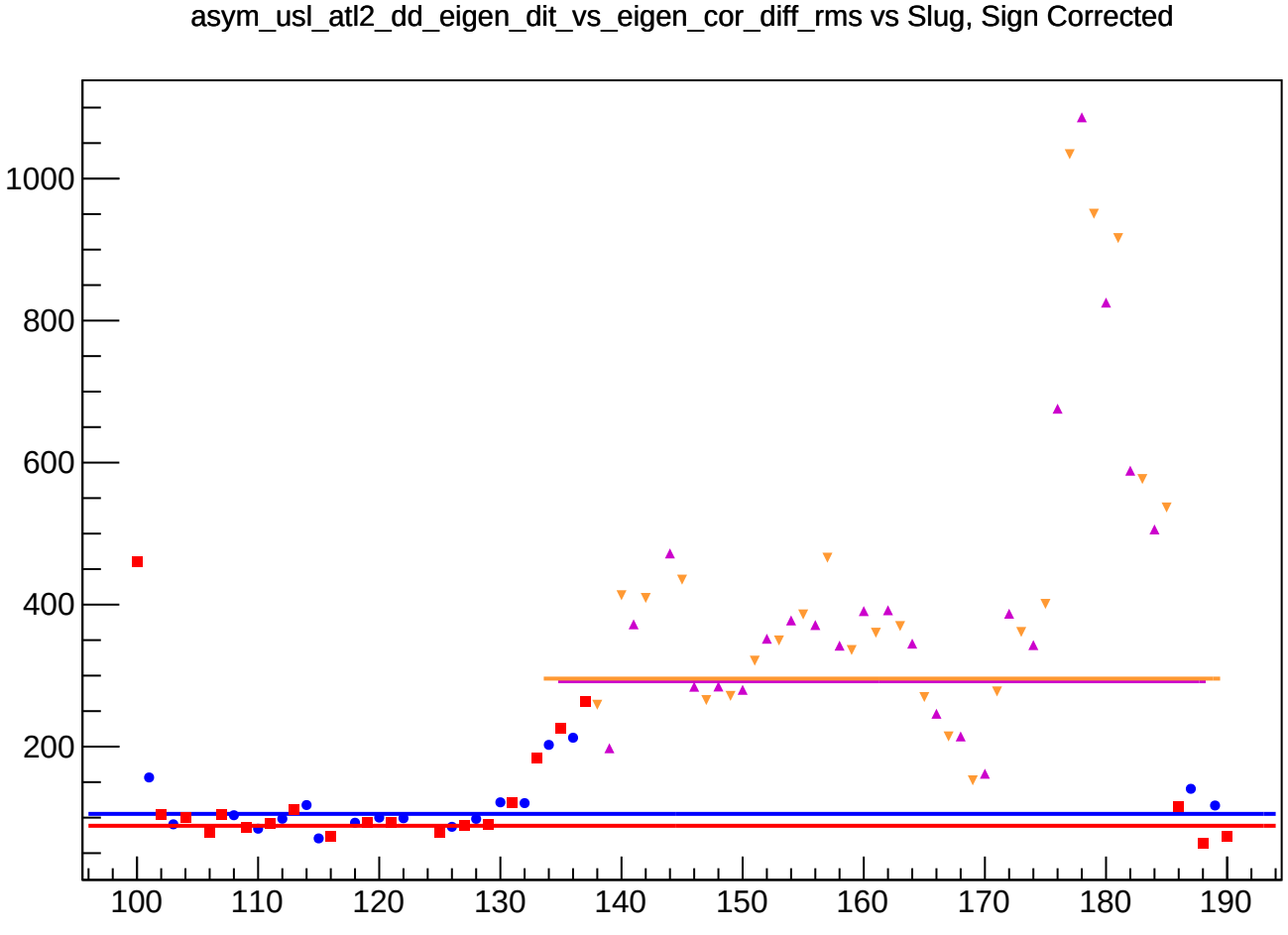
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.025 χ^2/NDF: 42.9/38

In: 0.053+/-0.035 χ^2/NDF:38.1/40

Out: -0.013+/-0.030 χ^2/NDF:58.8/44

All: 0.015+/-0.023 χ^2/NDF: 99.0/85



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 88.532+/-0.023 χ^2/NDF: 1366704.5/20

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

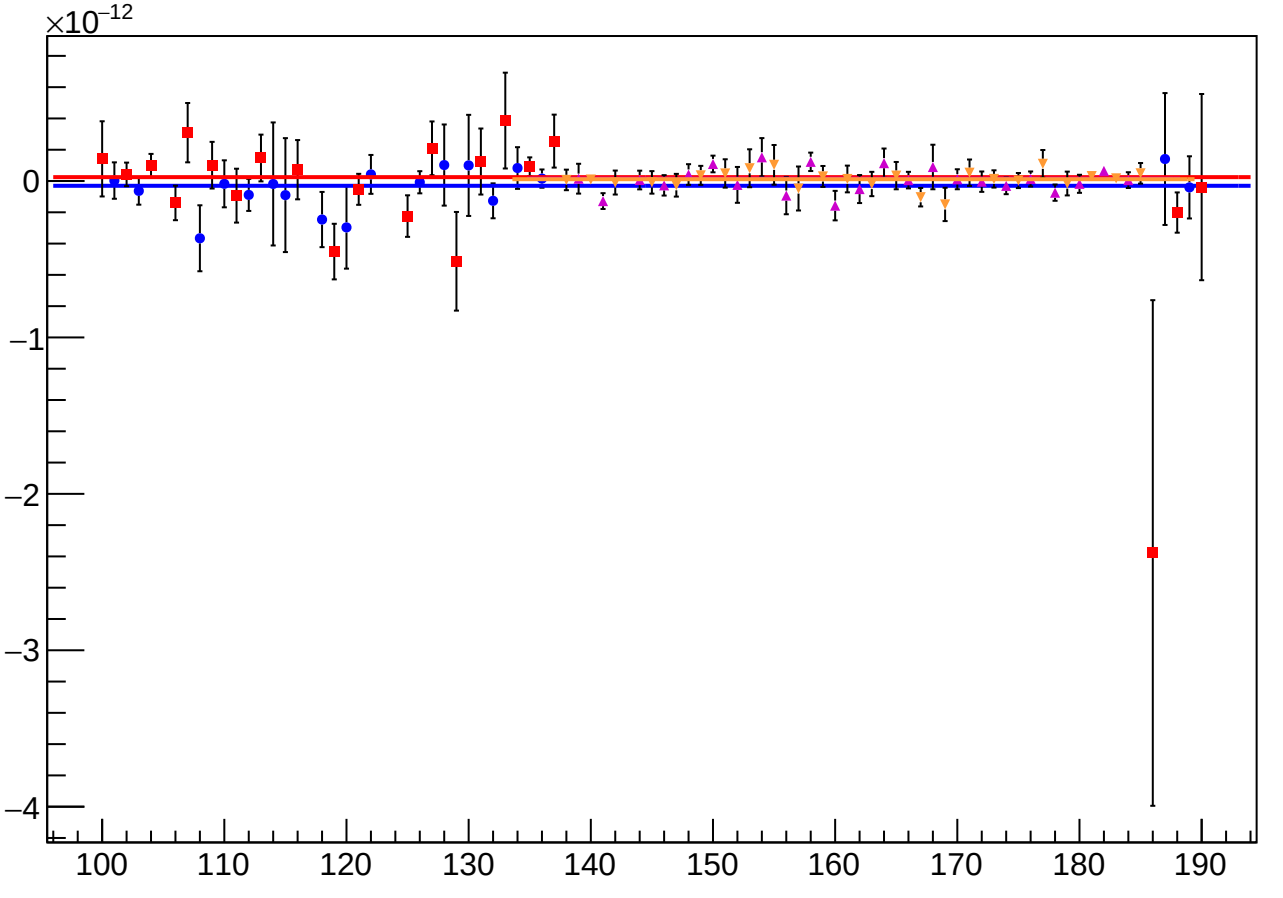
Right: 95.244+/-0.018 χ^2/NDF: 2604623.7/38

In: 146.341+/-0.025 χ^2/NDF:15832981.3/40

Out: 120.397+/-0.021 χ^2/NDF:19454453.5/44

All: 131.293+/-0.016 χ^2/NDF: 35923973.4/85

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

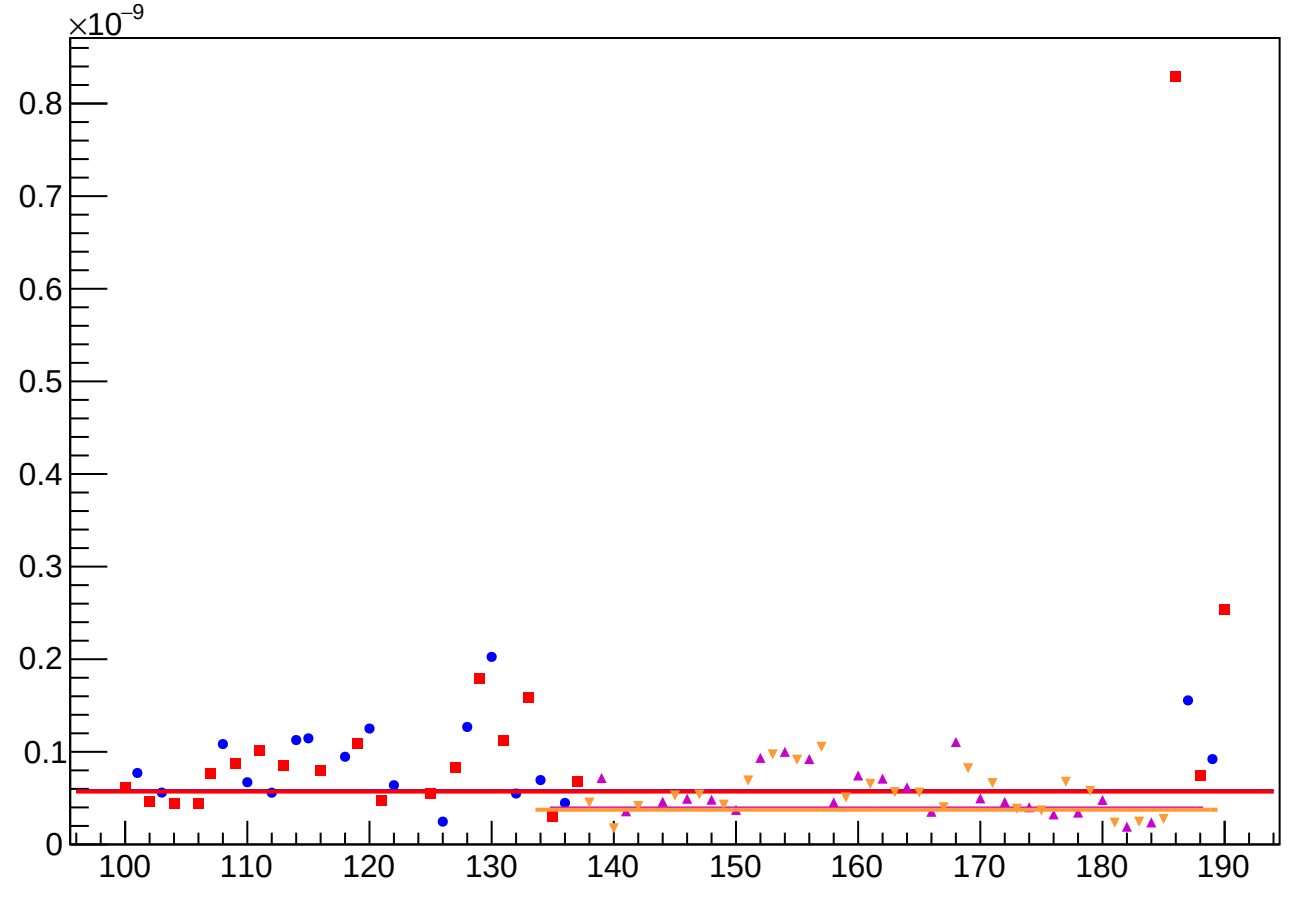
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 43.2/38

In: 0.000+/-0.000 χ^2/NDF:41.7/40

Out: 0.000+/-0.000 χ^2/NDF:43.3/44

All: 0.000+/-0.000 χ^2/NDF: 85.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 1754922.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2482194.0/20

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

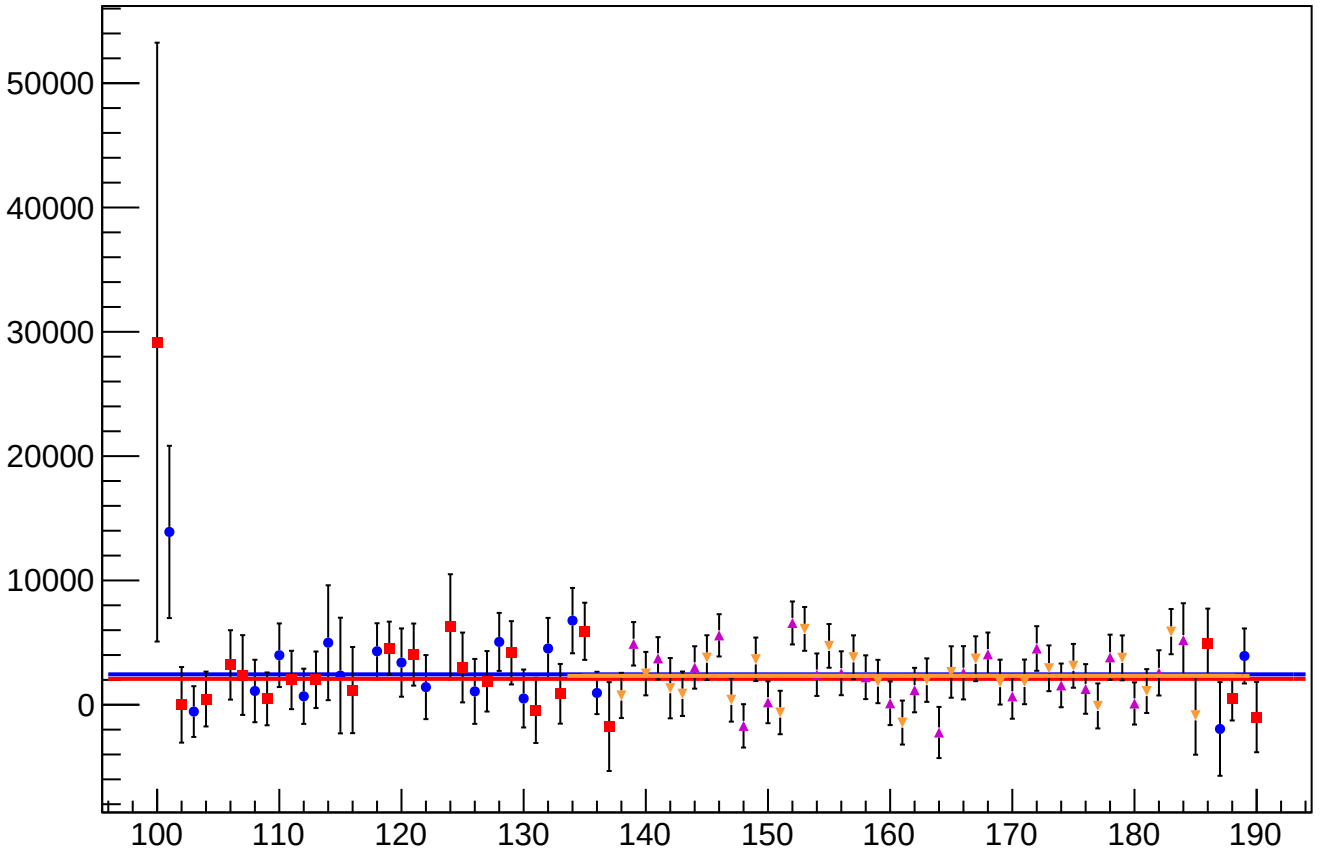
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 4237318.3/38

In: 0.000+/-0.000 χ^2/NDF:7036548.6/40

Out: 0.000+/-0.000 χ^2/NDF:8299036.7/44

All: 0.000+/-0.000 χ^2/NDF: 15344890.8/85



Right In: 2446.984+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2082.345+/-552.148 χ^2/NDF: 15.0/21

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

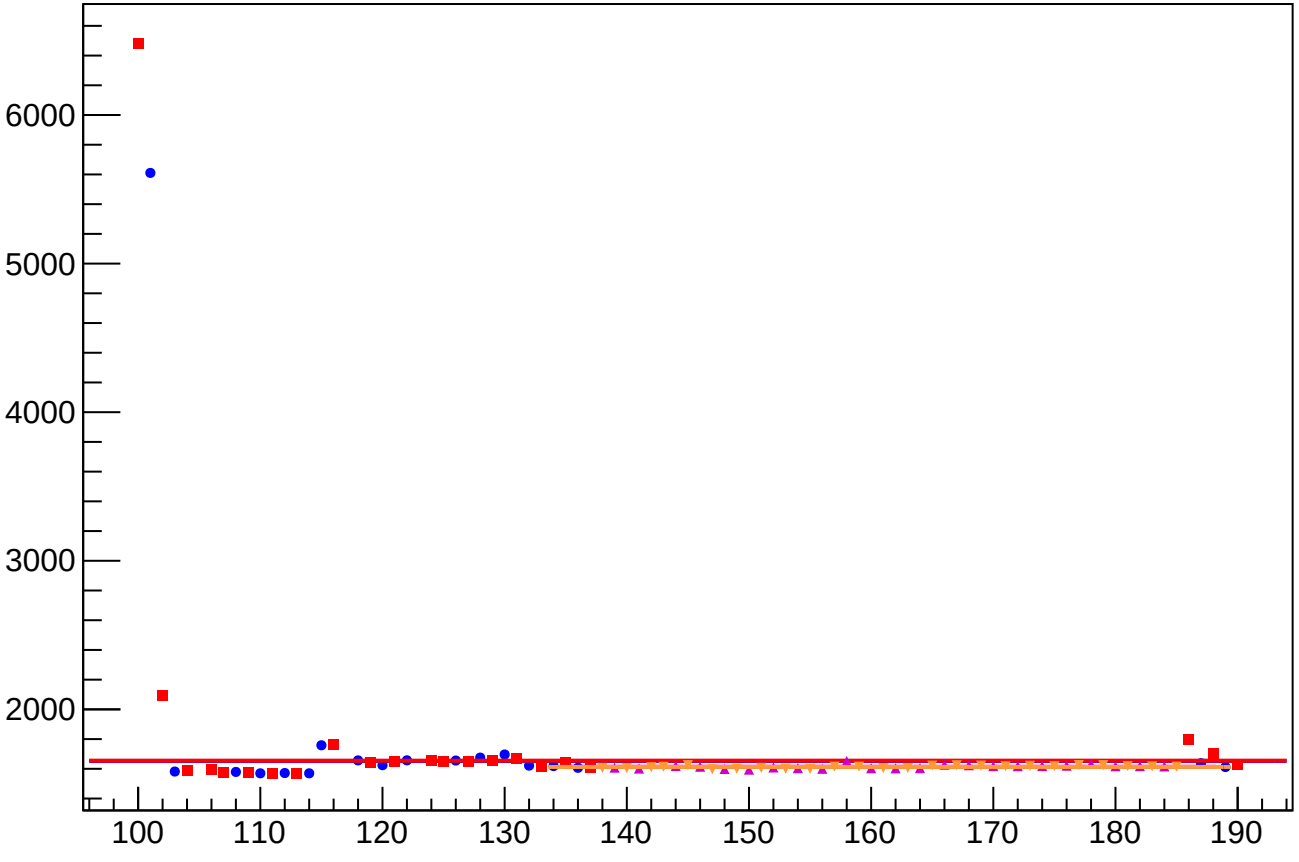
Right: 2250.019+/-405.806 χ^2/NDF: 30.9/39

In: 2392.306+/-318.857 χ^2/NDF:49.4/40

Out: 2248.111+/-305.239 χ^2/NDF:42.7/46

All: 2317.063+/-220.494 χ^2/NDF: 92.2/87

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.9/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1654.527+/-0.390 χ^2/NDF: 144213.8/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

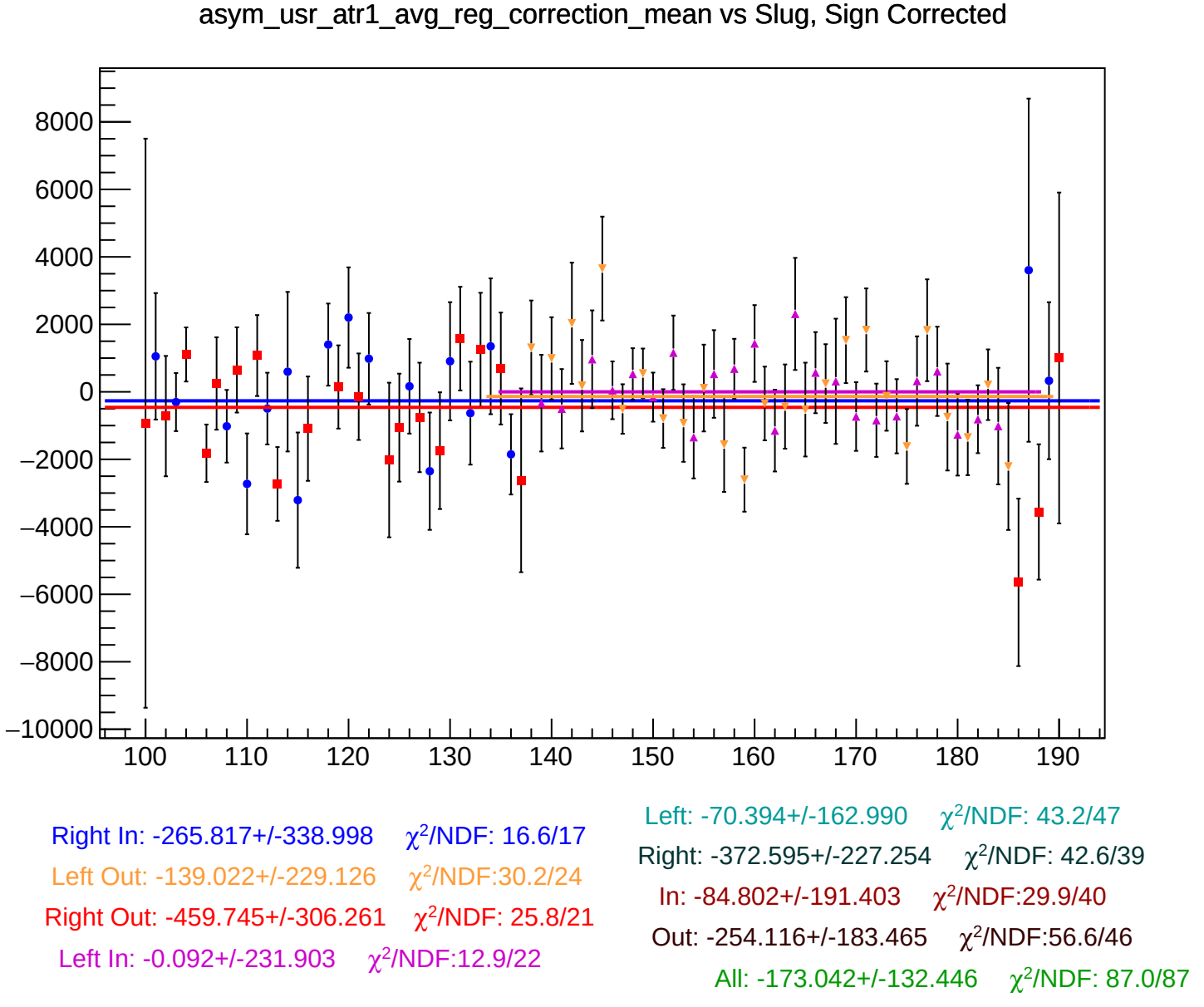
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.797+/-0.287 χ^2/NDF: 811236.4/39

In: 1624.906+/-0.225 χ^2/NDF:675497.6/40

Out: 1625.419+/-0.216 χ^2/NDF:153391.5/46

All: 1625.174+/-0.156 χ^2/NDF: 828891.8/87


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
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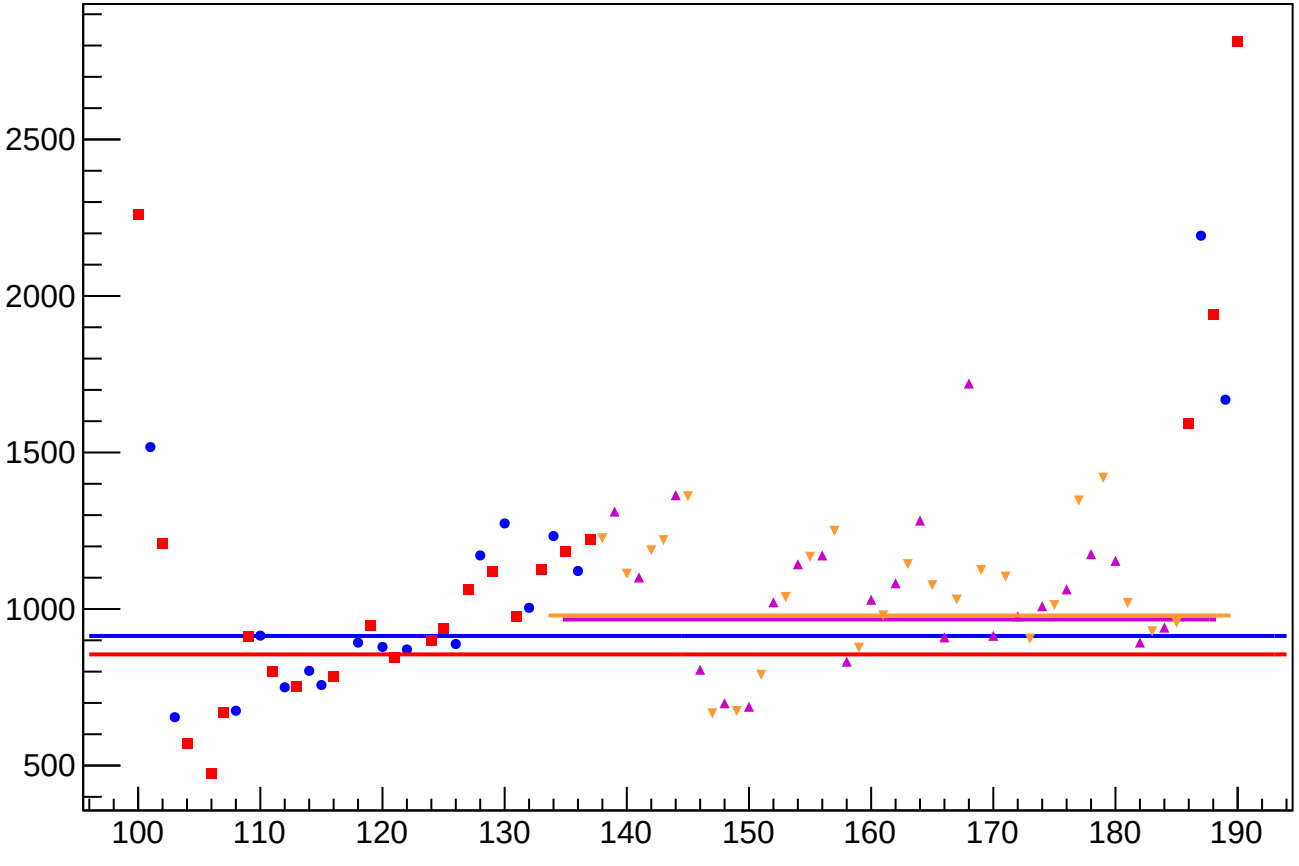
170
180
190
Right In: -265.817+/-338.998 χ²/NDF: 16.6/17
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -459.745+/-306.261 χ²/NDF: 25.8/21
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -372.595+/-227.254 χ²/NDF: 42.6/39
In: -84.802+/-191.403 χ²/NDF:29.9/40
Out: -254.116+/-183.465 χ²/NDF:56.6/46
All: -173.042+/-132.446 χ²/NDF: 87.0/87

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 913.913+/-0.240 χ^2/NDF: 1139256.3/17

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 855.014+/-0.217 χ^2/NDF: 2211109.1/21

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

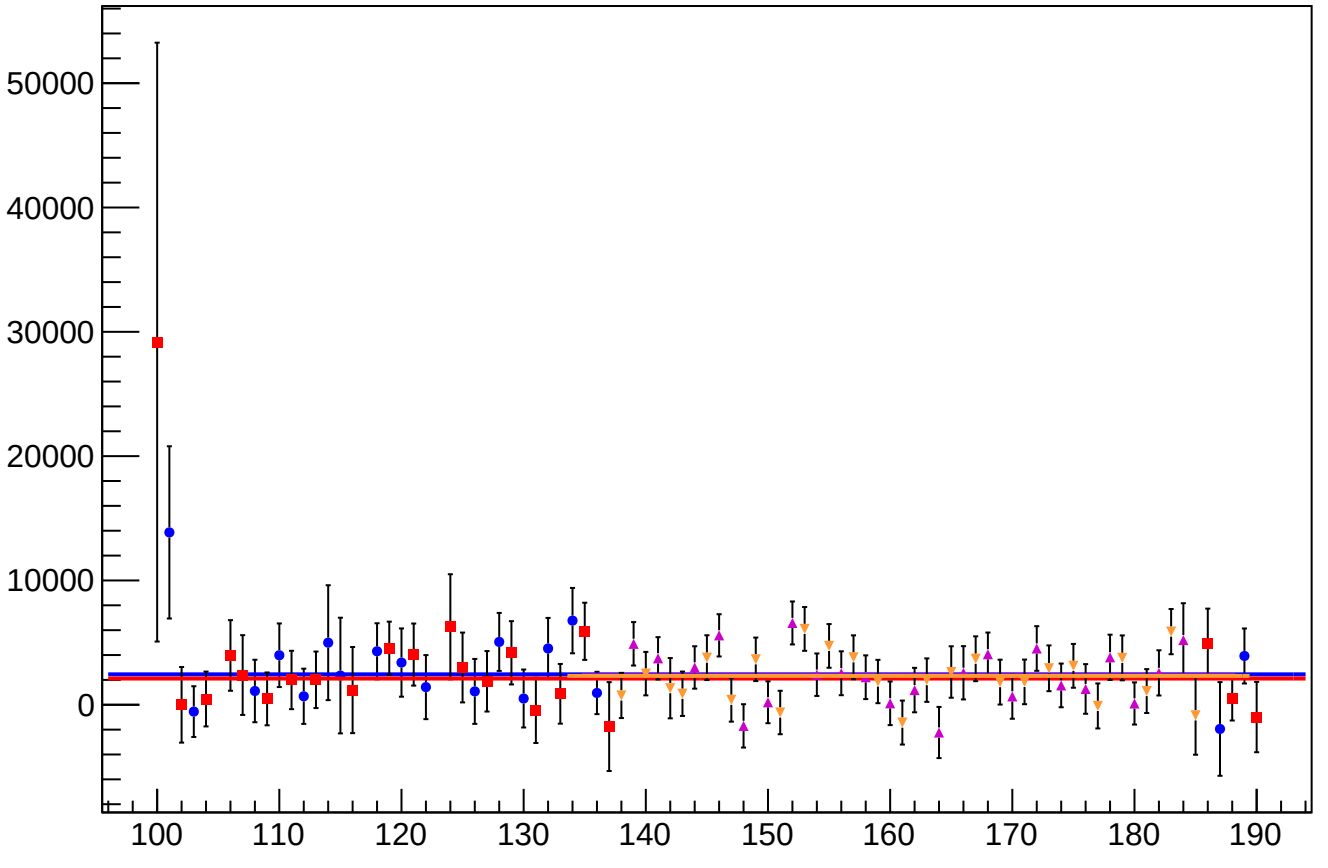
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 881.483+/-0.161 χ^2/NDF: 3383607.4/39

In: 949.754+/-0.135 χ^2/NDF:2774670.2/40

Out: 934.695+/-0.130 χ^2/NDF:4052890.1/46

All: 941.906+/-0.094 χ^2/NDF: 6834011.7/87



Right In: 2446.487+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2109.935+/-552.520 χ^2/NDF: 15.3/21

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

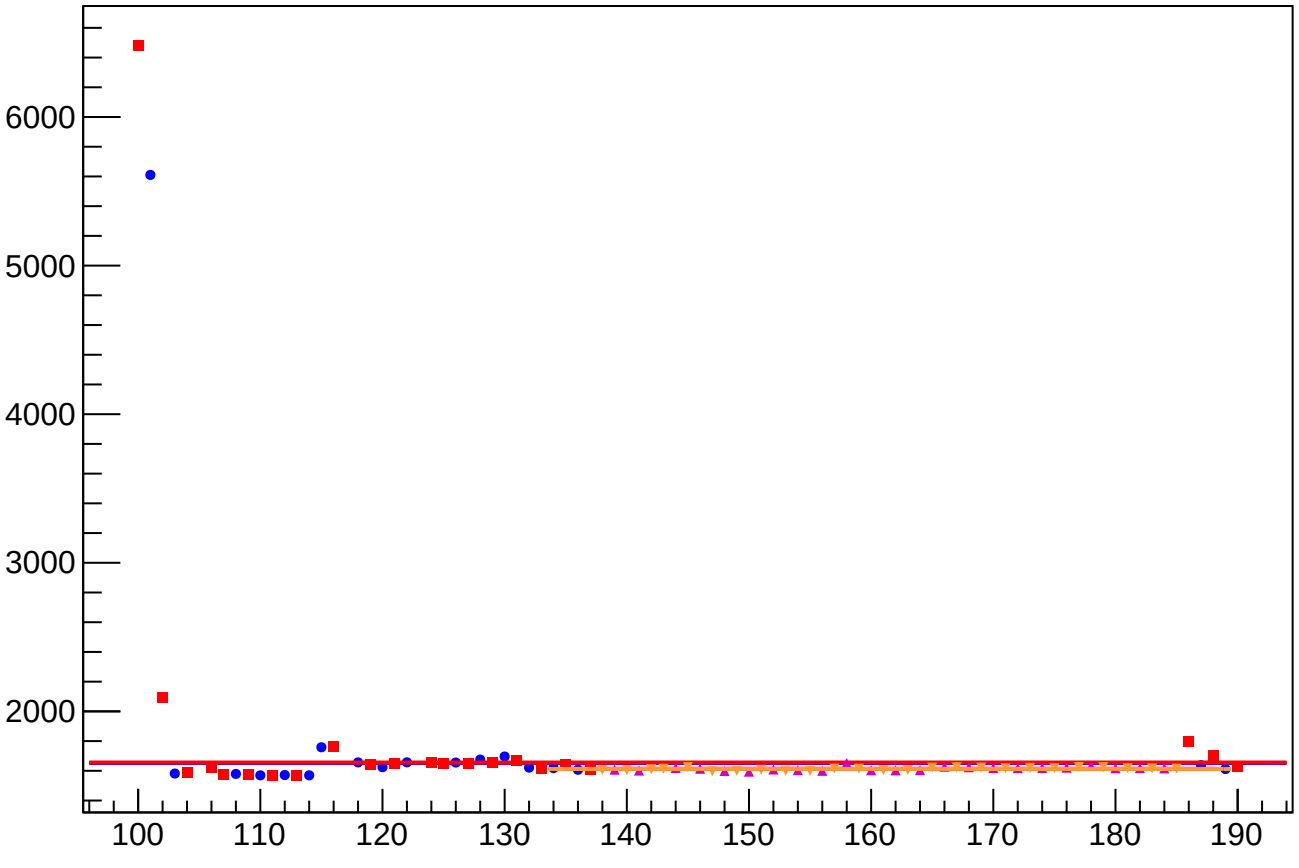
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2264.807+/-405.954 χ^2/NDF: 31.1/39

In: 2392.216+/-318.857 χ^2/NDF:49.4/40

Out: 2256.574+/-305.302 χ^2/NDF:42.9/46

All: 2321.450+/-220.517 χ^2/NDF: 92.4/87



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.4/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1655.612+/-0.391 χ^2/NDF: 143543.9/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

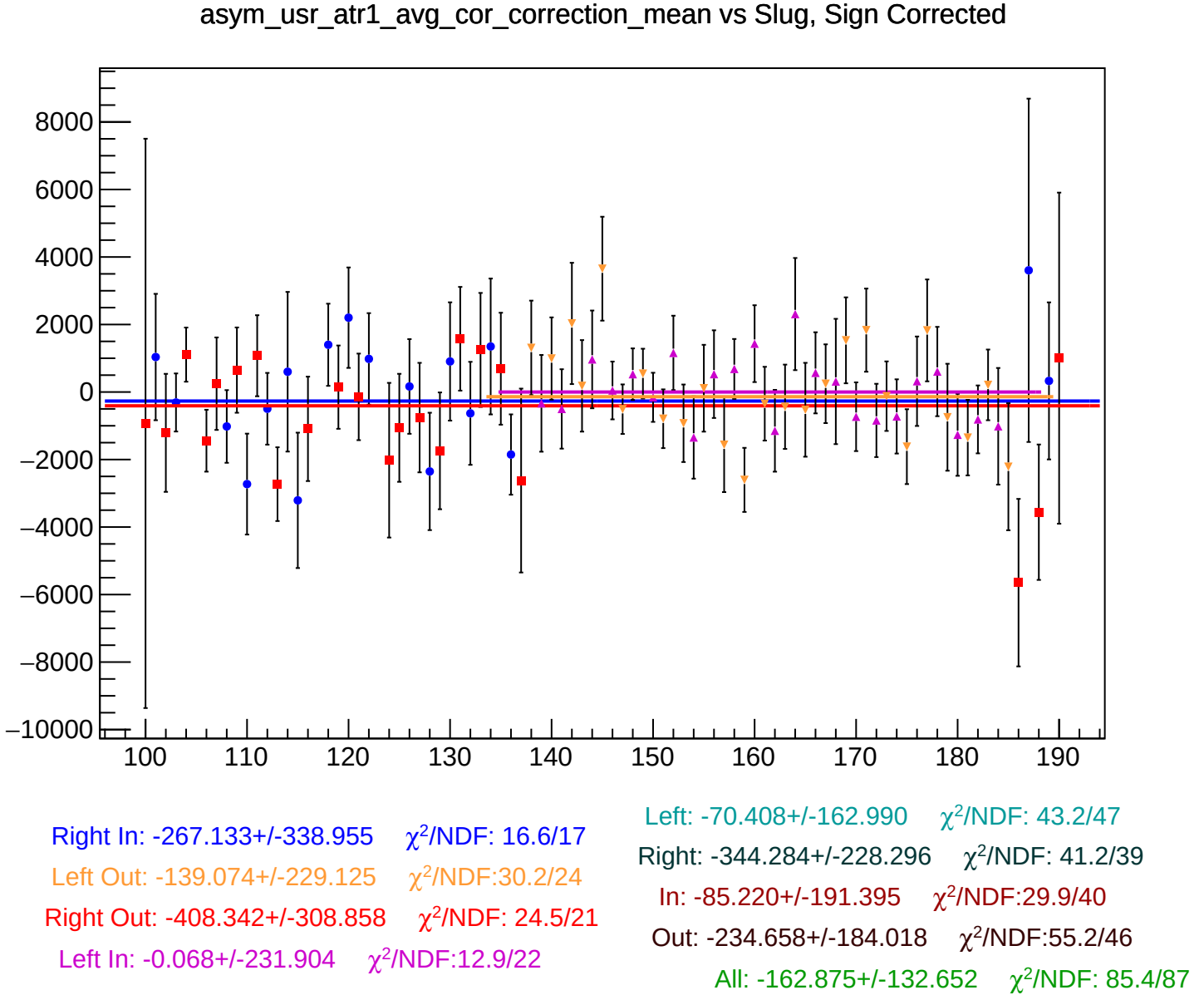
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1654.382+/-0.287 χ^2/NDF: 810579.9/39

In: 1624.906+/-0.225 χ^2/NDF:675497.1/40

Out: 1625.738+/-0.216 χ^2/NDF:153133.3/46

All: 1625.340+/-0.156 χ^2/NDF: 828637.5/87


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
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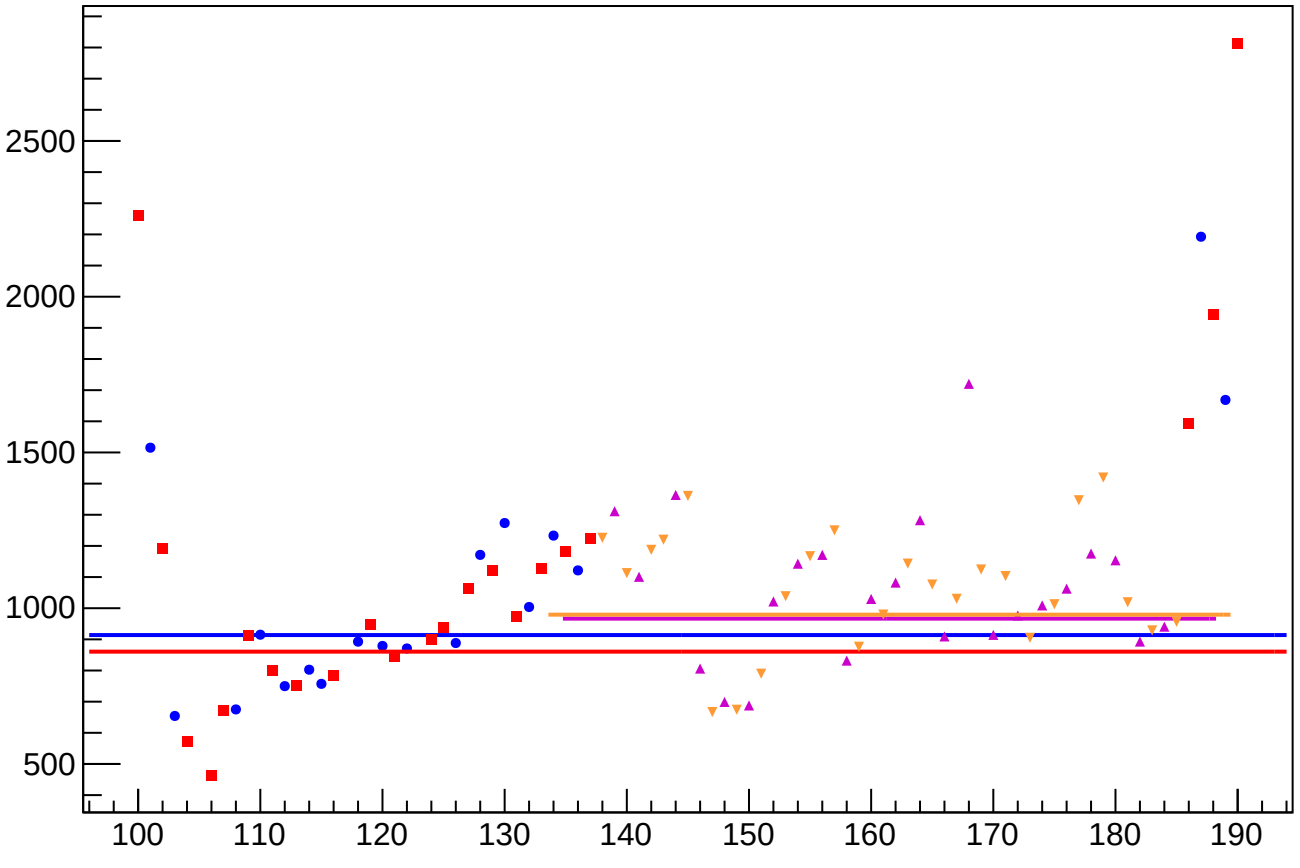
190
Right In: -267.133+/-338.955 χ²/NDF: 16.6/17
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -408.342+/-308.858 χ²/NDF: 24.5/21
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -344.284+/-228.296 χ²/NDF: 41.2/39
In: -85.220+/-191.395 χ²/NDF:29.9/40
Out: -234.658+/-184.018 χ²/NDF:55.2/46
All: -162.875+/-132.652 χ²/NDF: 85.4/87



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

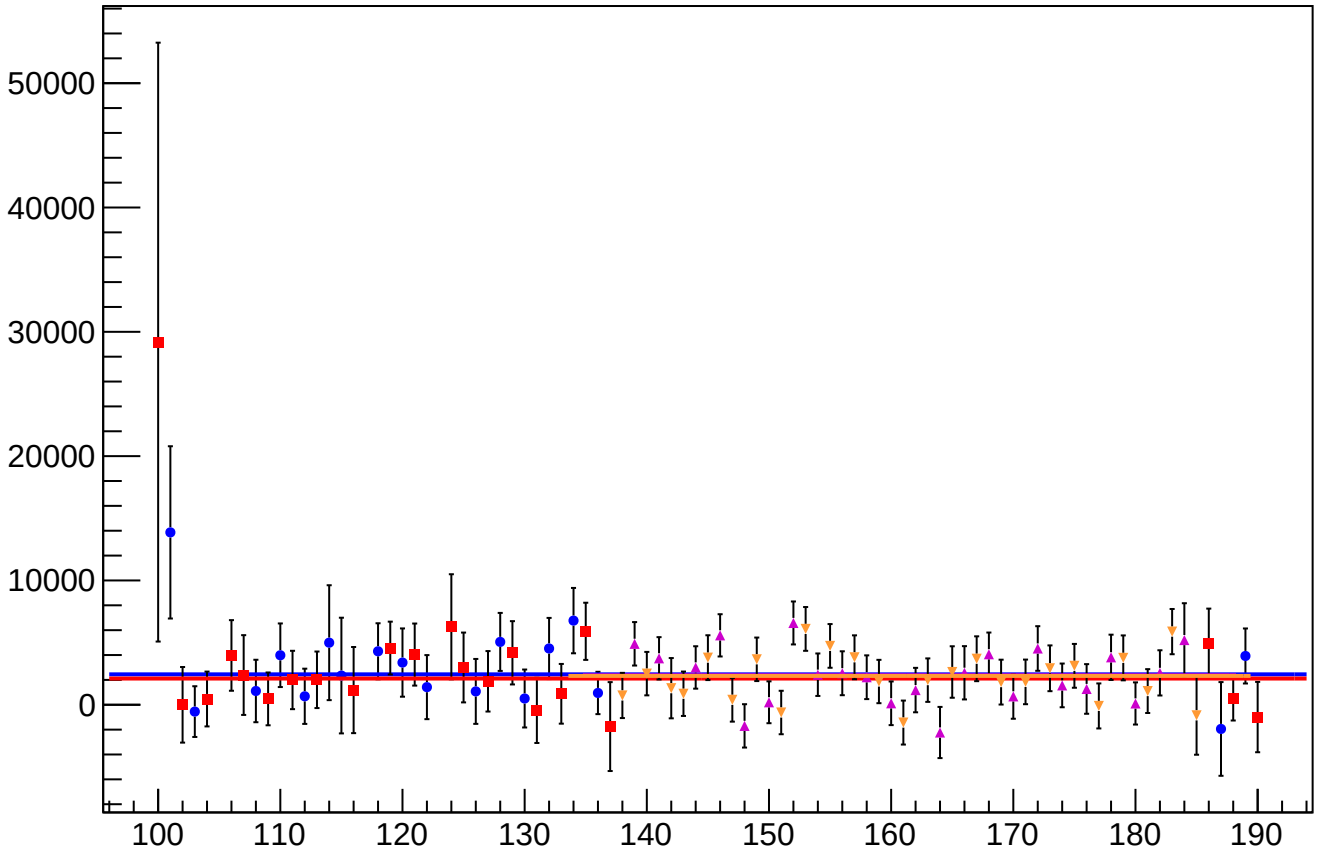
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 884.729+/-0.161 χ^2/NDF: 3336120.2/39

In: 949.721+/-0.135 χ^2/NDF:2774617.8/40

Out: 937.150+/-0.130 χ^2/NDF:3991368.5/46

All: 943.189+/-0.094 χ^2/NDF: 6770469.7/87



Right In: 2446.487+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2109.935+/-552.520 χ^2/NDF: 15.3/21

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

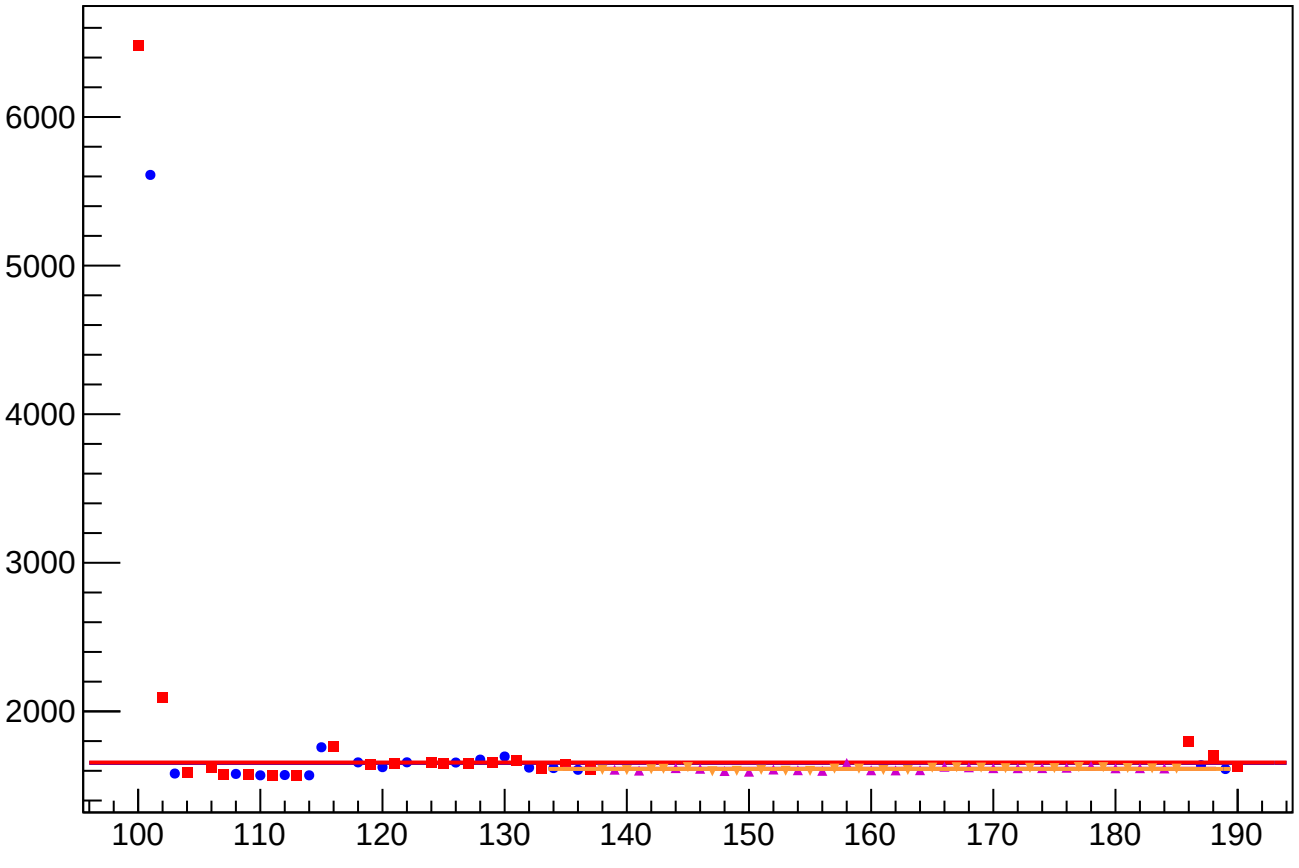
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2264.807+/-405.954 χ^2/NDF: 31.1/39

In: 2392.216+/-318.857 χ^2/NDF:49.4/40

Out: 2256.574+/-305.302 χ^2/NDF:42.9/46

All: 2321.450+/-220.517 χ^2/NDF: 92.4/87



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.4/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1655.612+/-0.391 χ^2/NDF: 143543.9/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

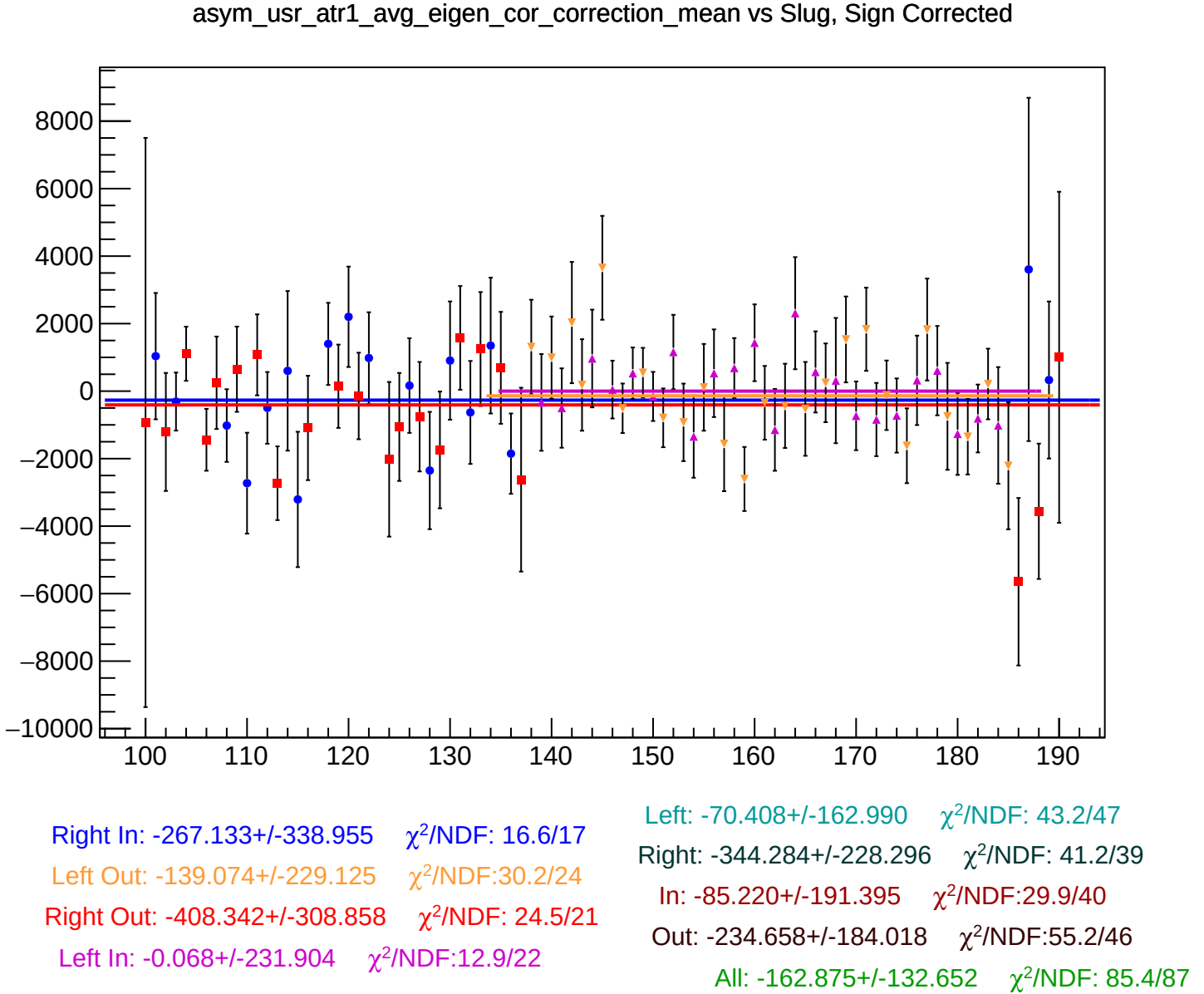
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1654.382+/-0.287 χ^2/NDF: 810579.9/39

In: 1624.906+/-0.225 χ^2/NDF:675497.1/40

Out: 1625.738+/-0.216 χ^2/NDF:153133.3/46

All: 1625.340+/-0.156 χ^2/NDF: 828637.5/87


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
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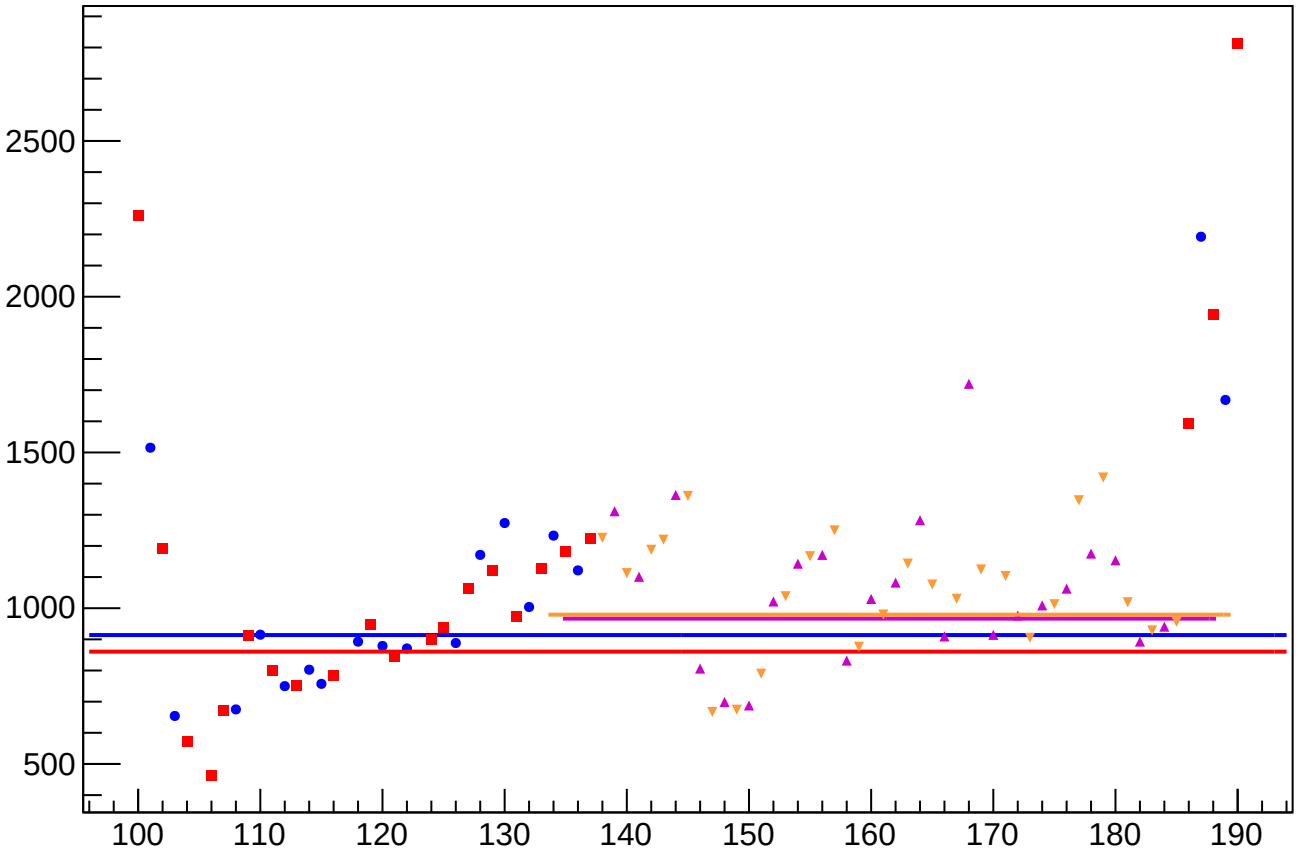
Right In: -267.133+/-338.955 χ²/NDF: 16.6/17
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -408.342+/-308.858 χ²/NDF: 24.5/21
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -344.284+/-228.296 χ²/NDF: 41.2/39
In: -85.220+/-191.395 χ²/NDF:29.9/40
Out: -234.658+/-184.018 χ²/NDF:55.2/46
All: -162.875+/-132.652 χ²/NDF: 85.4/87



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

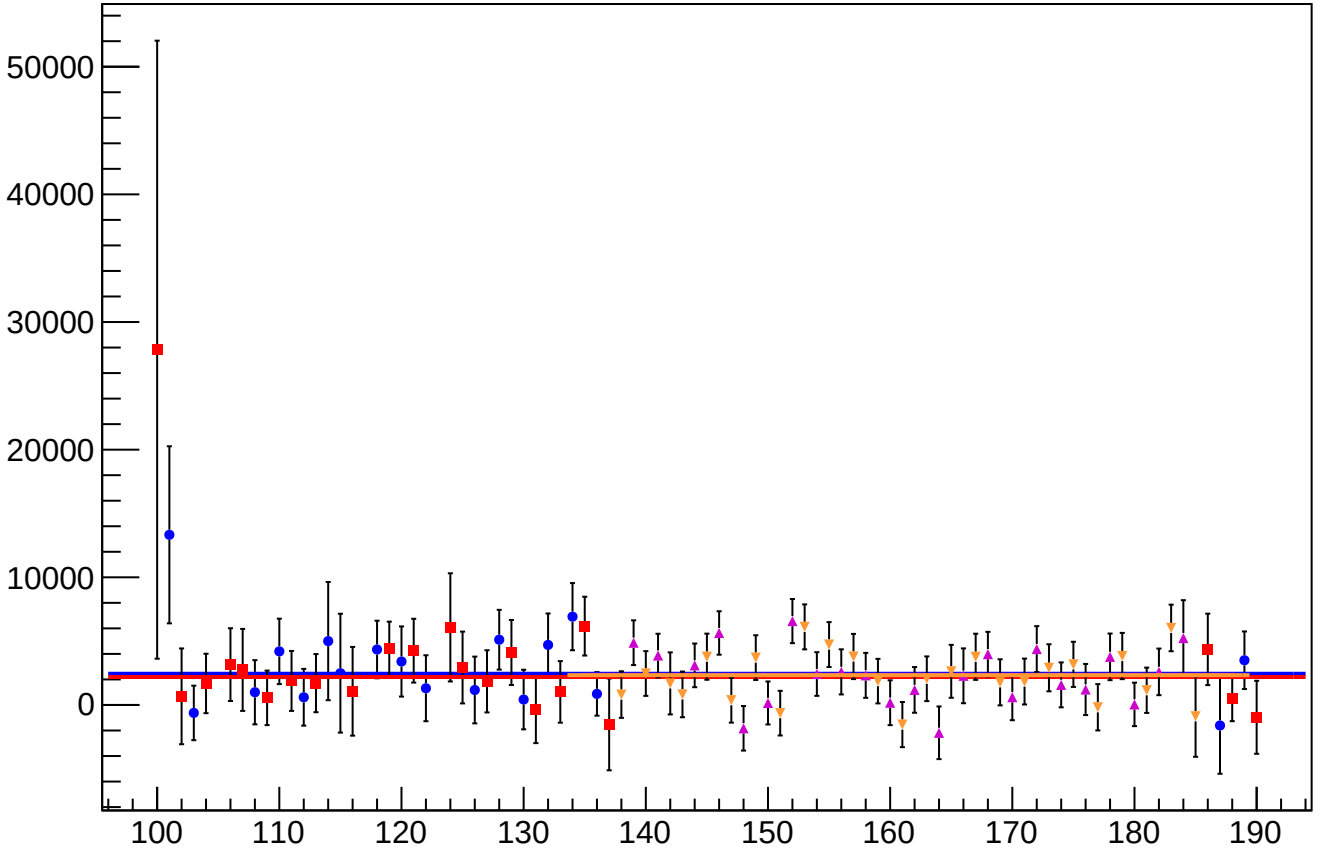
Right: 884.729+/-0.161 χ^2/NDF: 3336120.2/39

In: 949.721+/-0.135 χ^2/NDF:2774617.8/40

Out: 937.150+/-0.130 χ^2/NDF:3991368.5/46

All: 943.189+/-0.094 χ^2/NDF: 6770469.7/87

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2445.163+/-602.479 χ^2/NDF: 15.6/17

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2191.277+/-558.858 χ^2/NDF: 13.5/21

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

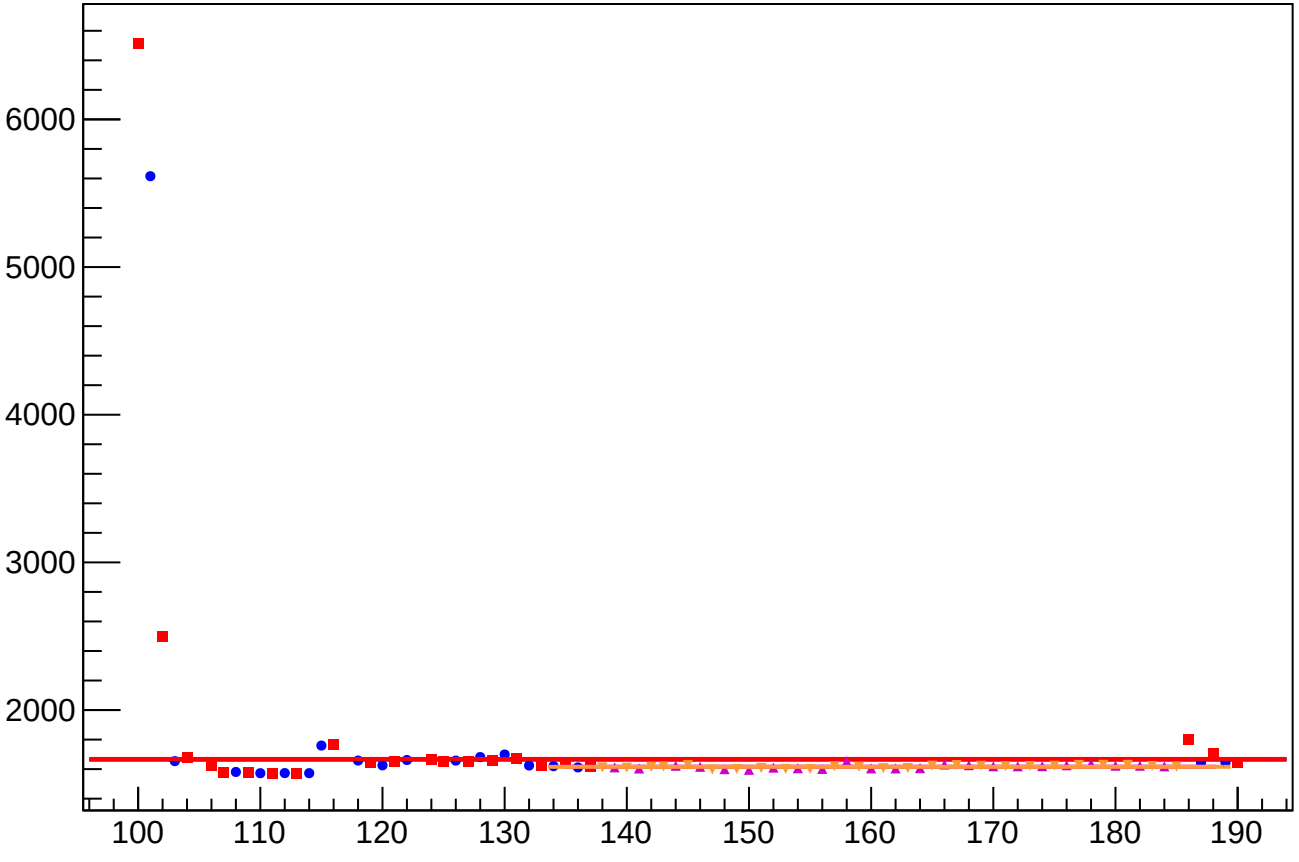
Right: 2308.698+/-409.726 χ^2/NDF: 29.2/39

In: 2384.207+/-319.832 χ^2/NDF:49.6/40

Out: 2291.585+/-306.761 χ^2/NDF:41.8/46

All: 2335.965+/-221.390 χ^2/NDF: 91.5/87

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1664.263+/-0.426 χ^2/NDF: 663150.2/17

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1668.969+/-0.395 χ^2/NDF: 199157.9/21

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

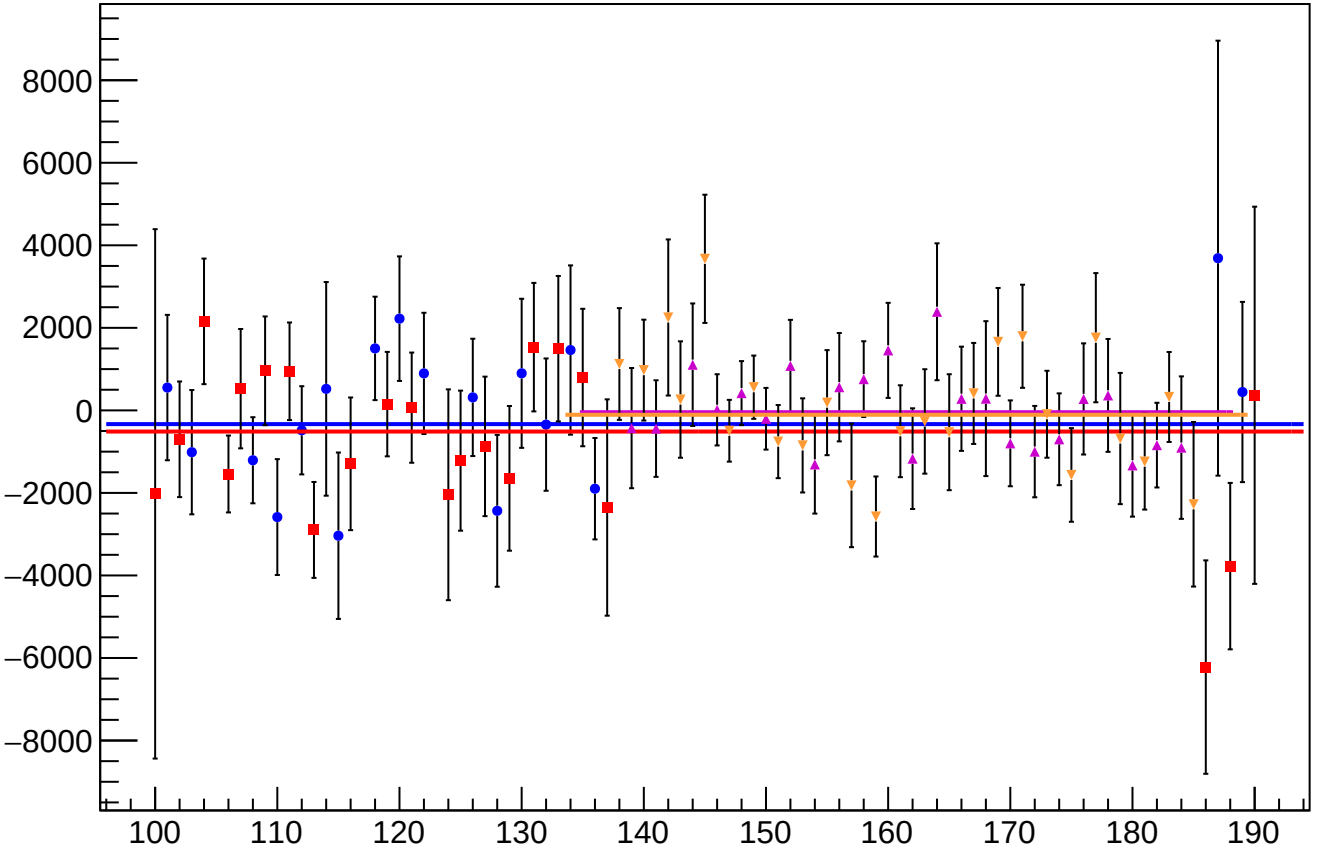
Right: 1666.792+/-0.290 χ^2/NDF: 862373.7/39

In: 1629.860+/-0.226 χ^2/NDF:674788.2/40

Out: 1631.703+/-0.217 χ^2/NDF:213333.0/46

All: 1630.820+/-0.157 χ^2/NDF: 888155.7/87

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -332.904+/-361.973 χ^2/NDF: 16.4/17

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -512.871+/-332.184 χ^2/NDF: 25.2/21

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

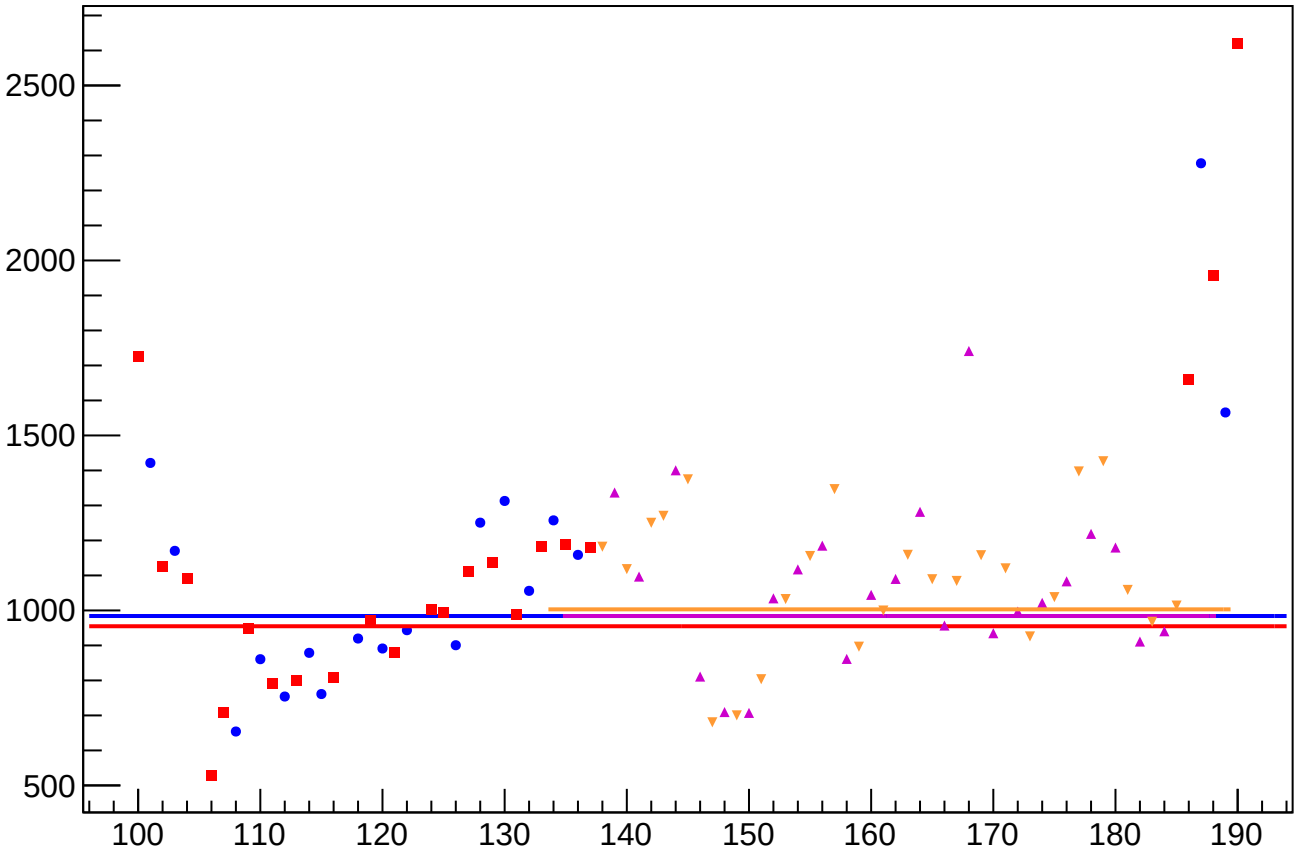
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -430.597+/-244.744 χ^2/NDF: 41.8/39

In: -130.368+/-197.536 χ^2/NDF:29.7/40

Out: -241.400+/-191.468 χ^2/NDF:55.2/46

All: -187.615+/-137.484 χ^2/NDF: 85.1/87



Right In: 984.059+/-0.256 χ^2/NDF: 961930.6/17

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 954.820+/-0.235 χ^2/NDF: 1688002.9/21

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

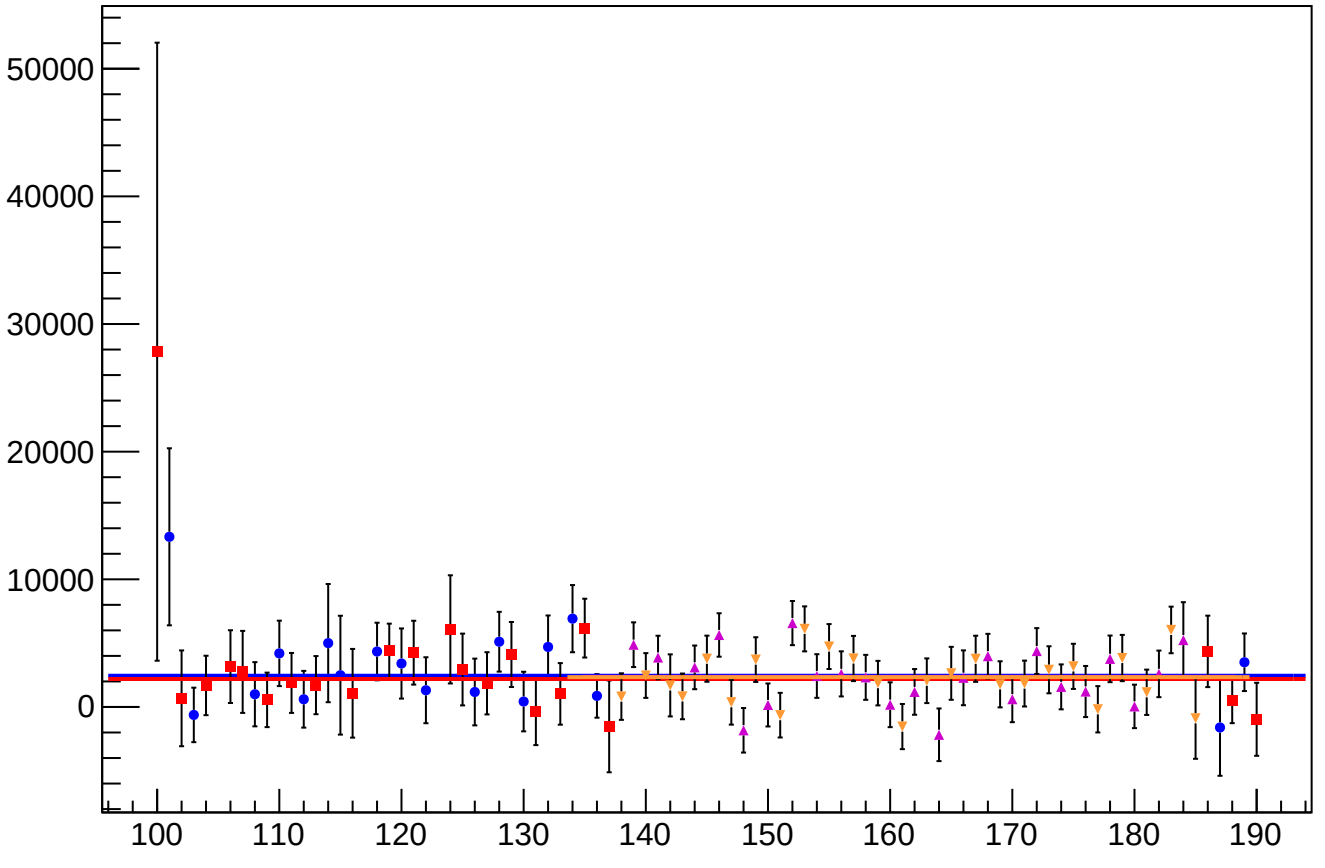
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 968.187+/-0.173 χ^2/NDF: 2657017.5/39

In: 984.055+/-0.140 χ^2/NDF:2521492.1/40

Out: 987.061+/-0.135 χ^2/NDF:3314631.7/46

All: 985.605+/-0.097 χ^2/NDF: 5836362.5/87



Right In: 2445.163+/-602.479 χ^2/NDF: 15.6/17

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2191.275+/-558.858 χ^2/NDF: 13.5/21

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

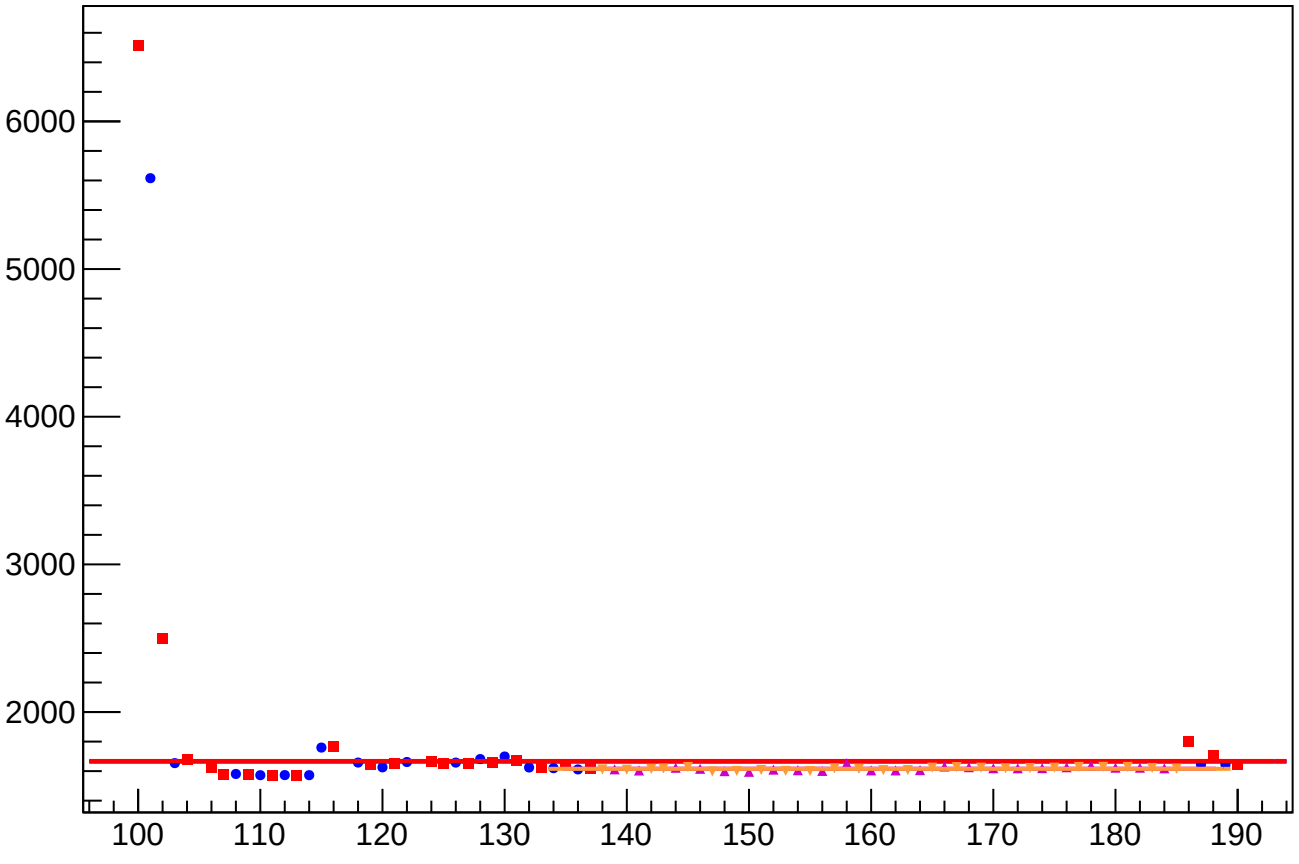
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2308.696+/-409.726 χ^2/NDF: 29.2/39

In: 2384.207+/-319.831 χ^2/NDF:49.6/40

Out: 2291.584+/-306.761 χ^2/NDF:41.8/46

All: 2335.964+/-221.390 χ^2/NDF: 91.5/87



Right In: 1664.263+/-0.426 χ^2/NDF: 663150.2/17

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1668.969+/-0.395 χ^2/NDF: 199157.8/21

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

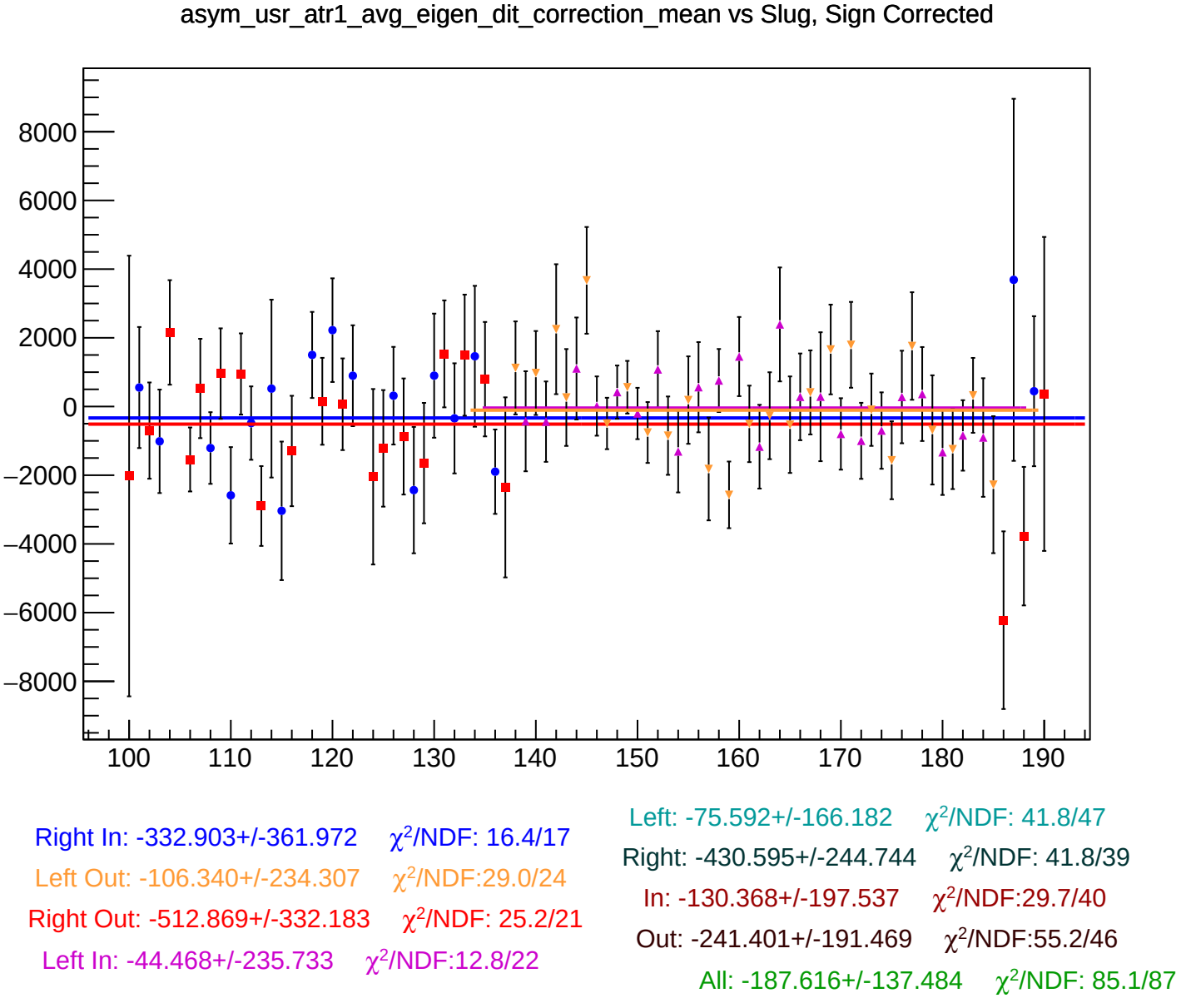
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

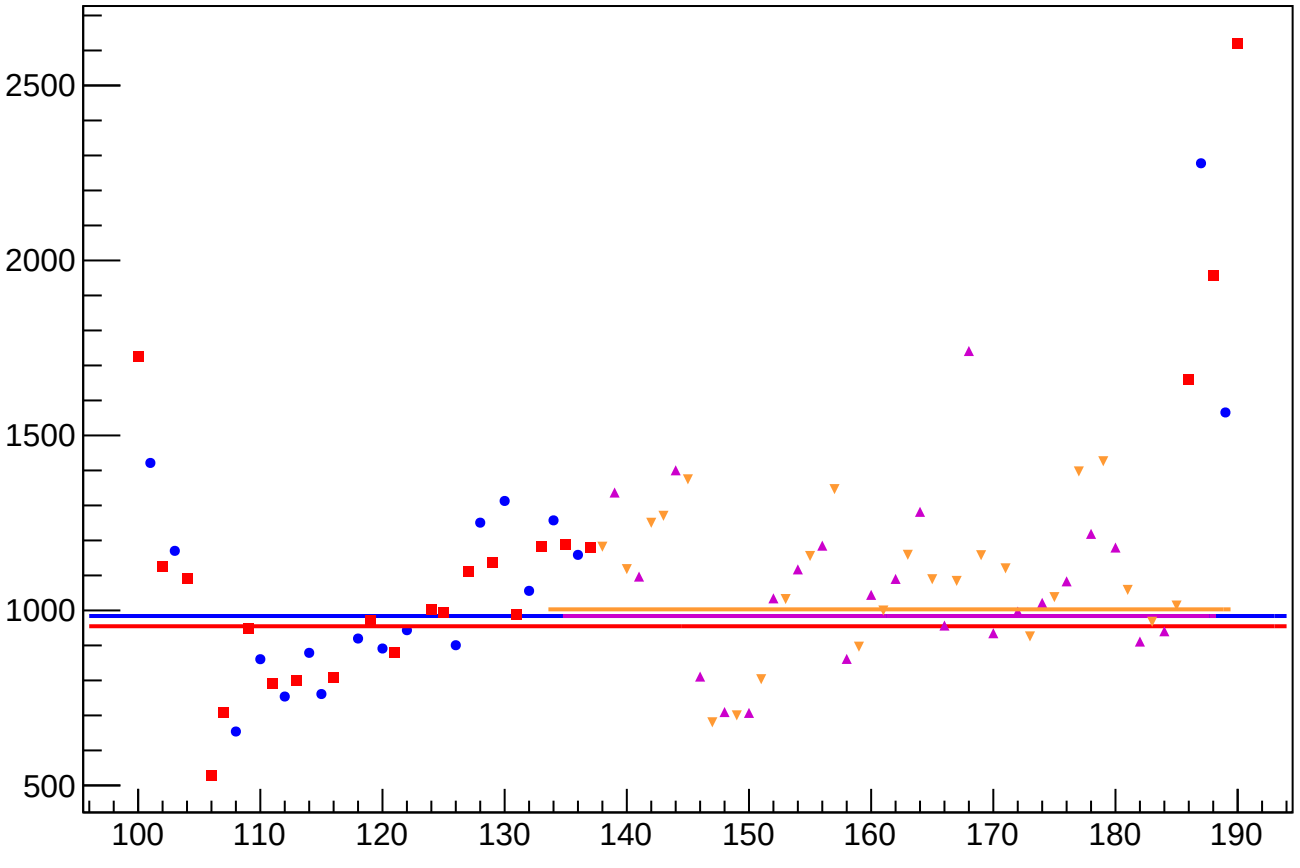
Right: 1666.792+/-0.290 χ^2/NDF: 862373.6/39

In: 1629.860+/-0.226 χ^2/NDF:674788.1/40

Out: 1631.703+/-0.217 χ^2/NDF:213332.8/46

All: 1630.820+/-0.157 χ^2/NDF: 888155.5/87


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: -332.903+/-361.972 χ²/NDF: 16.4/17
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -512.869+/-332.183 χ²/NDF: 25.2/21
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -430.595+/-244.744 χ²/NDF: 41.8/39
In: -130.368+/-197.537 χ²/NDF:29.7/40
Out: -241.401+/-191.469 χ²/NDF:55.2/46
All: -187.616+/-137.484 χ²/NDF: 85.1/87



Right In: 984.055+/-0.256 χ^2/NDF: 961942.2/17

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 954.817+/-0.235 χ^2/NDF: 1688007.4/21

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

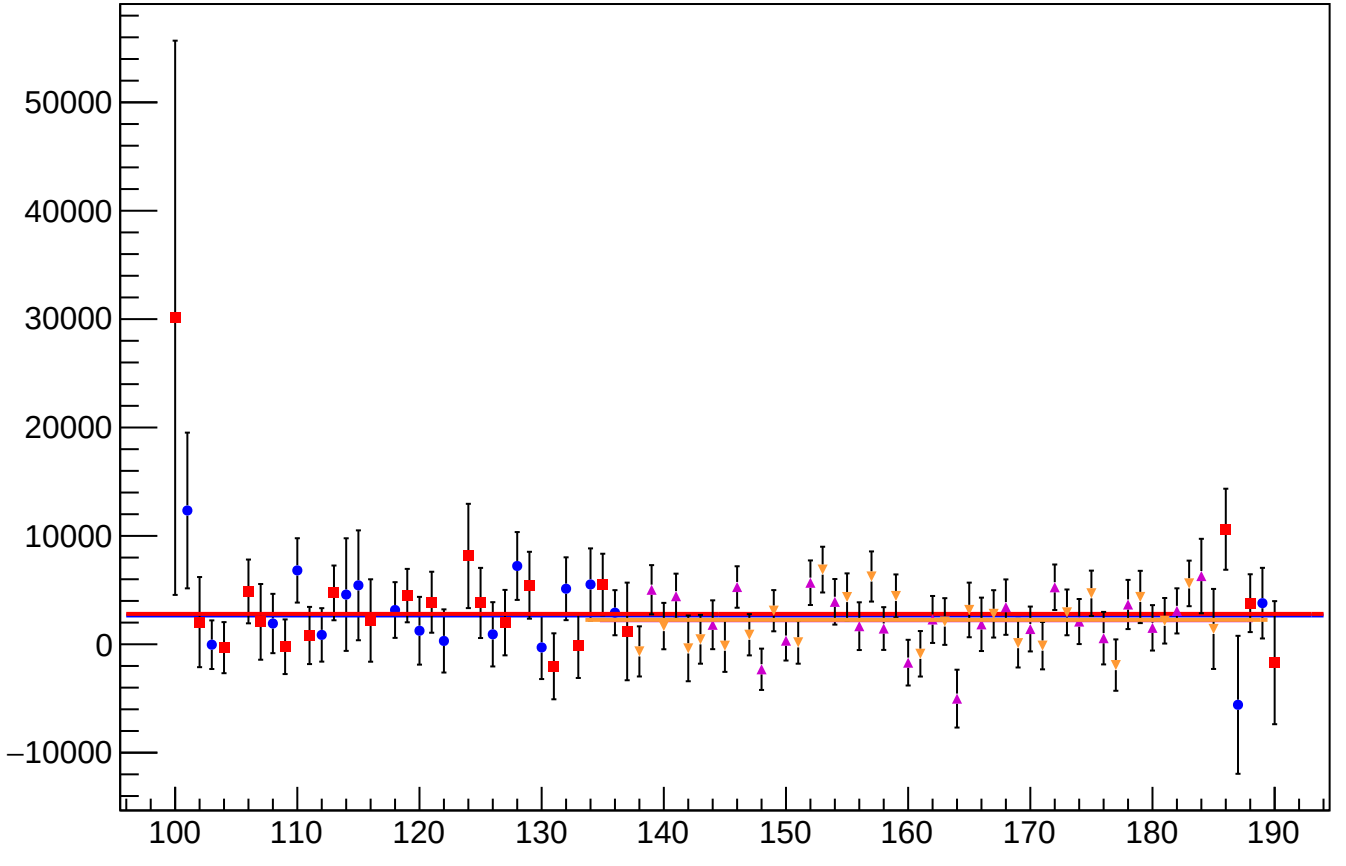
Right: 968.184+/-0.173 χ^2/NDF: 2657033.0/39

In: 984.055+/-0.140 χ^2/NDF:2521505.9/40

Out: 987.061+/-0.135 χ^2/NDF:3314643.9/46

All: 985.605+/-0.097 χ^2/NDF: 5836388.5/87

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2659.227+/-712.559 χ^2/NDF: 13.9/17

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2804.064+/-667.147 χ^2/NDF: 18.5/21

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

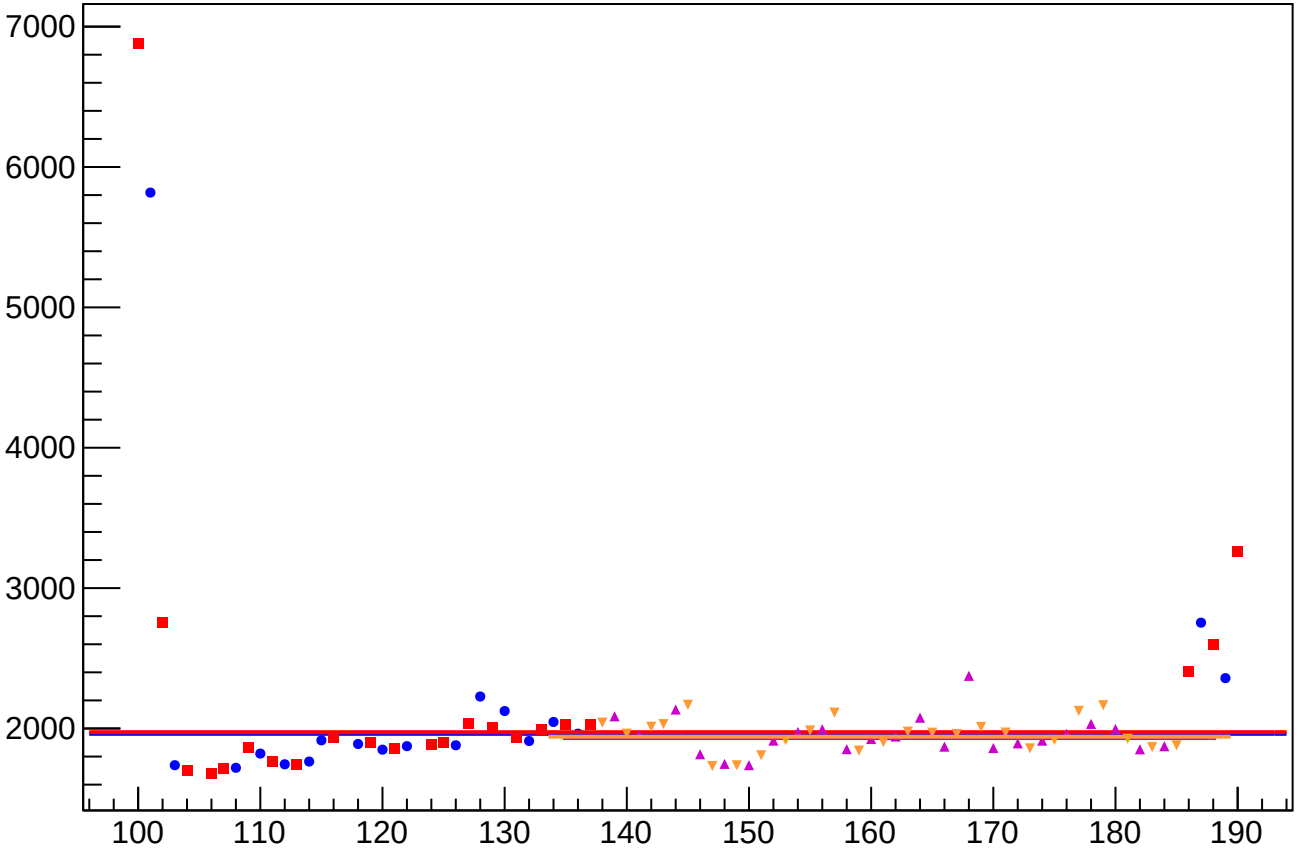
Right: 2736.407+/-487.008 χ^2/NDF: 32.5/39

In: 2345.712+/-381.858 χ^2/NDF:45.7/40

Out: 2420.779+/-368.593 χ^2/NDF:47.3/46

All: 2384.572+/-265.200 χ^2/NDF: 93.1/87

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1962.003+/-0.504 χ^2/NDF: 725330.3/17

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 1973.565+/-0.472 χ^2/NDF: 485273.2/21

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

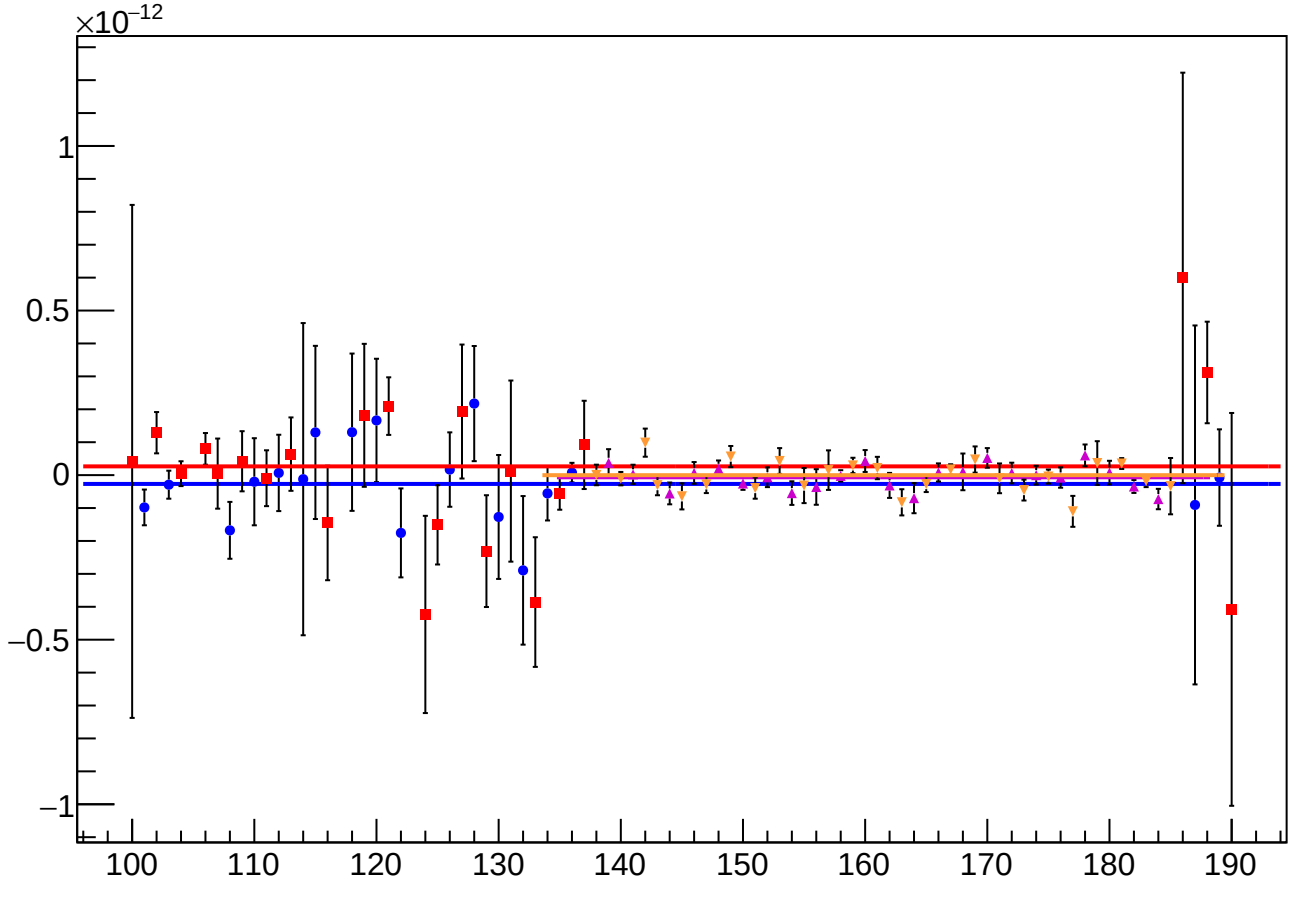
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 1968.164+/-0.344 χ^2/NDF: 1210884.1/39

In: 1940.483+/-0.270 χ^2/NDF:887766.5/40

Out: 1951.345+/-0.261 χ^2/NDF:627477.8/46

All: 1946.106+/-0.188 χ^2/NDF: 1516082.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/21

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

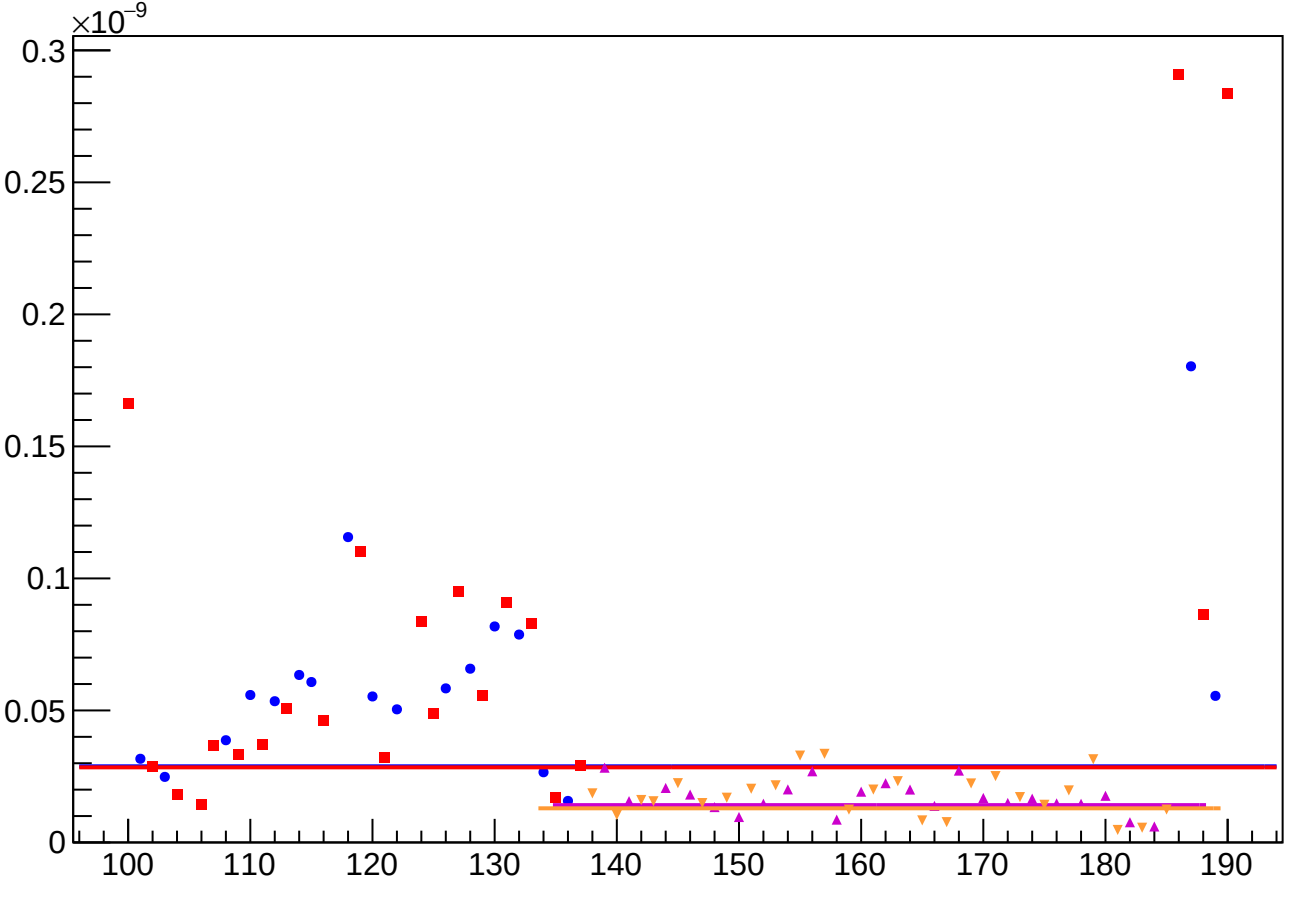
Right: -0.000+/-0.000 χ^2/NDF: 46.9/39

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: 0.000+/-0.000 χ^2/NDF:72.4/46

All: -0.000+/-0.000 χ^2/NDF: 115.4/87

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1713510.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2568861.2/21

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

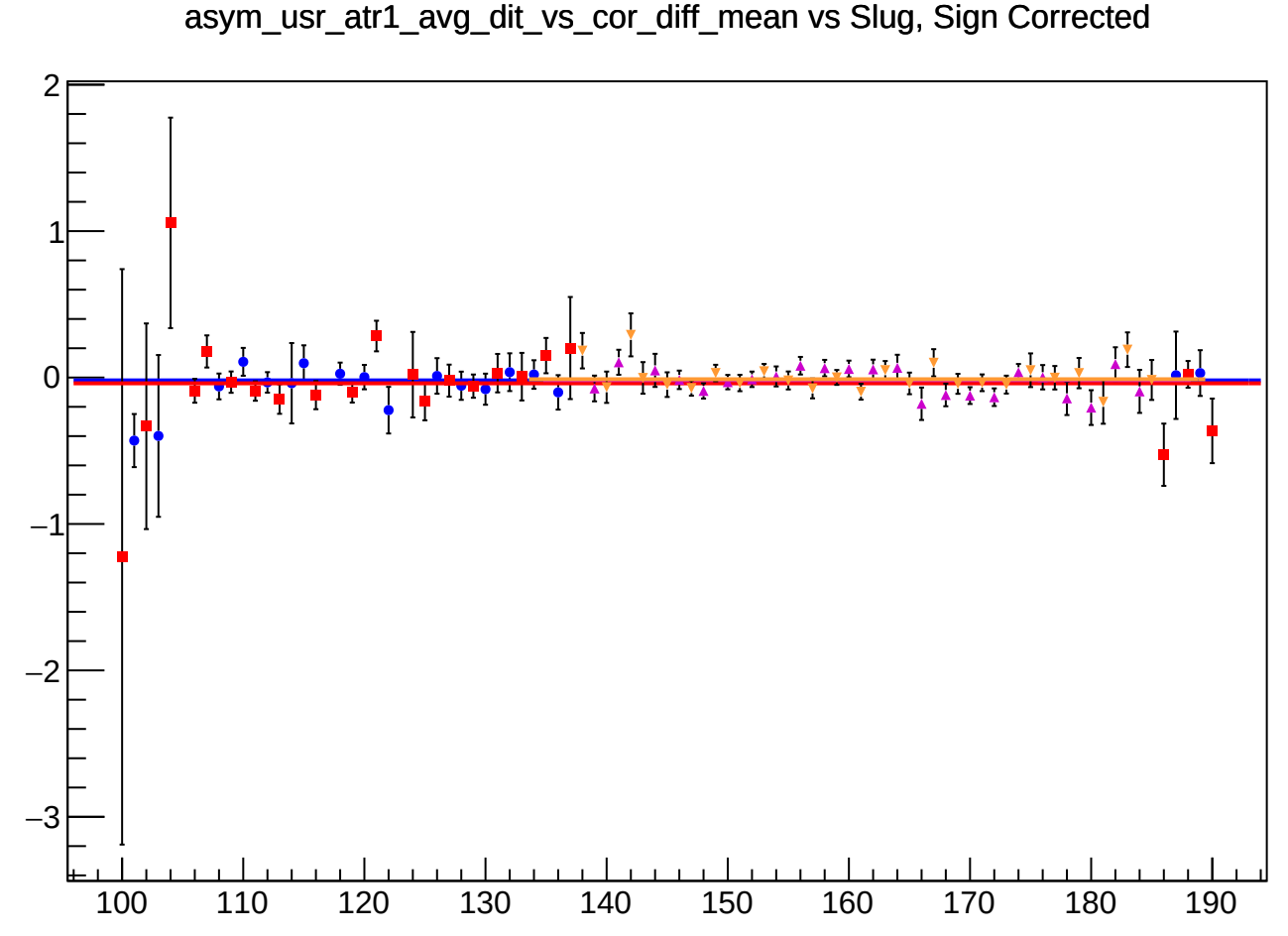
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

Right: 0.000+/-0.000 χ^2/NDF: 4282801.2/39

In: 0.000+/-0.000 χ^2/NDF:4322088.0/40

Out: 0.000+/-0.000 χ^2/NDF:6596267.0/46

All: 0.000+/-0.000 χ^2/NDF: 10975182.2/87



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

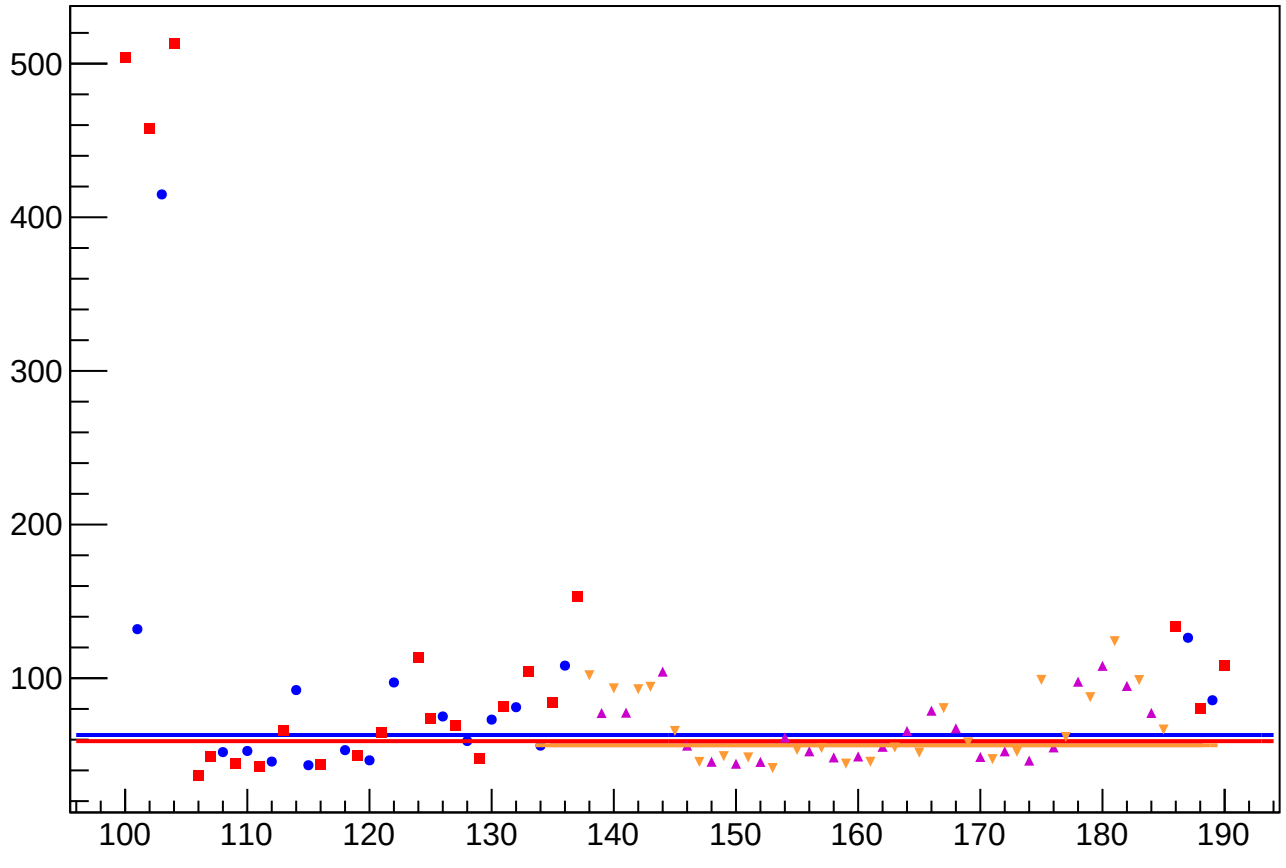
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.017 χ^2/NDF: 44.8/39

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.019+/-0.009 χ^2/NDF: 97.9/87



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

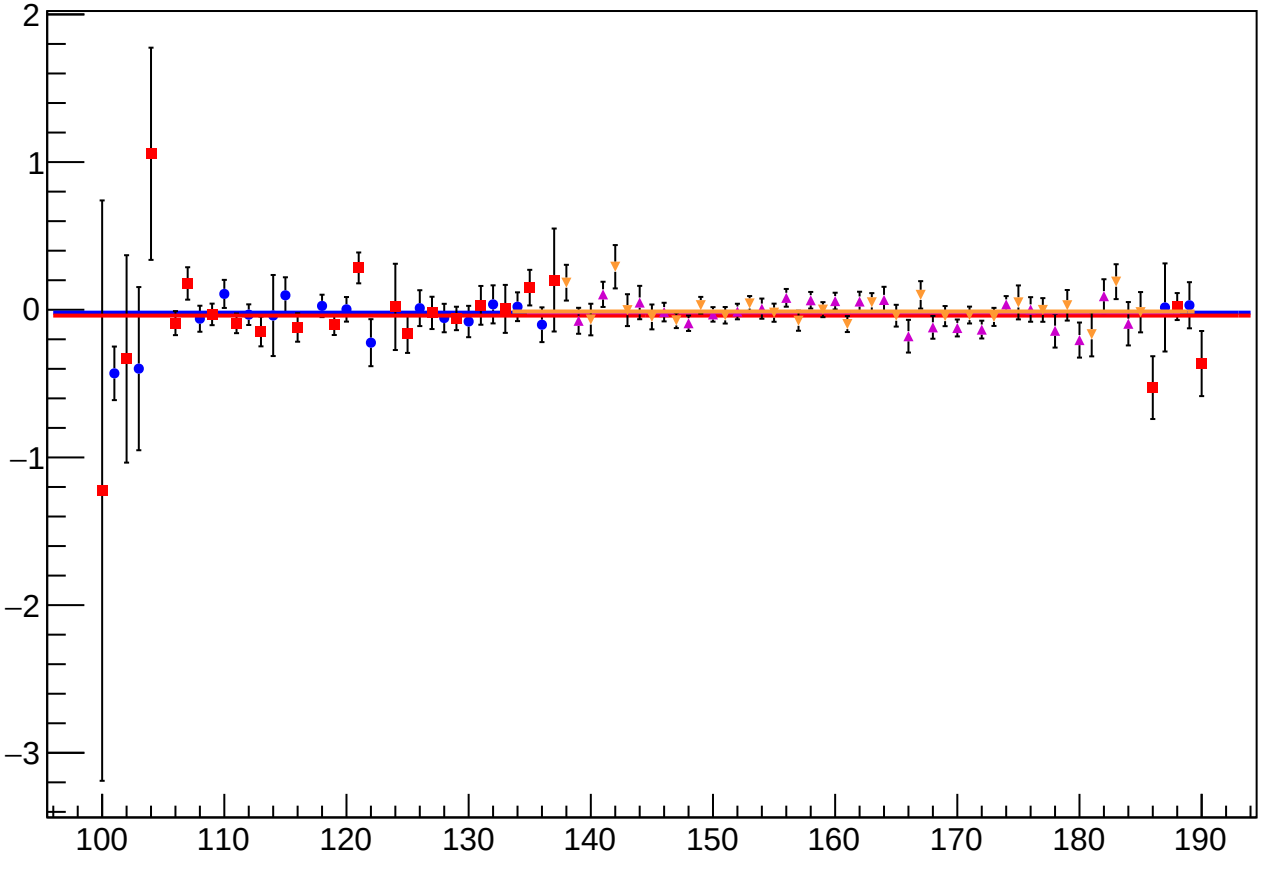
Right: 60.822+/-0.012 χ^2/NDF: 5179889.1/39

In: 58.015+/-0.009 χ^2/NDF:4310592.3/40

Out: 57.096+/-0.009 χ^2/NDF:5896310.5/46

All: 57.539+/-0.006 χ^2/NDF: 10212354.7/87

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

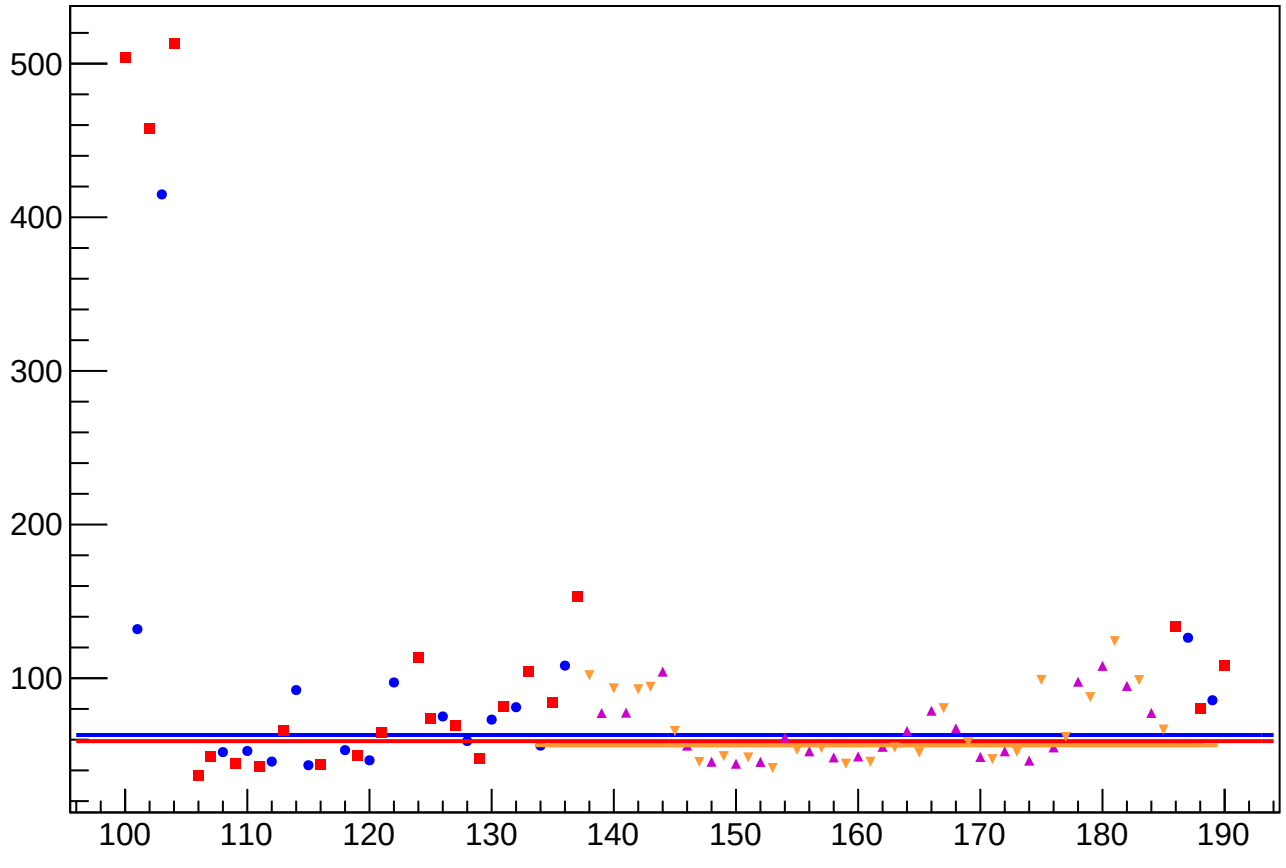
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.017 χ^2/NDF: 44.8/39

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.019+/-0.009 χ^2/NDF: 97.9/87



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

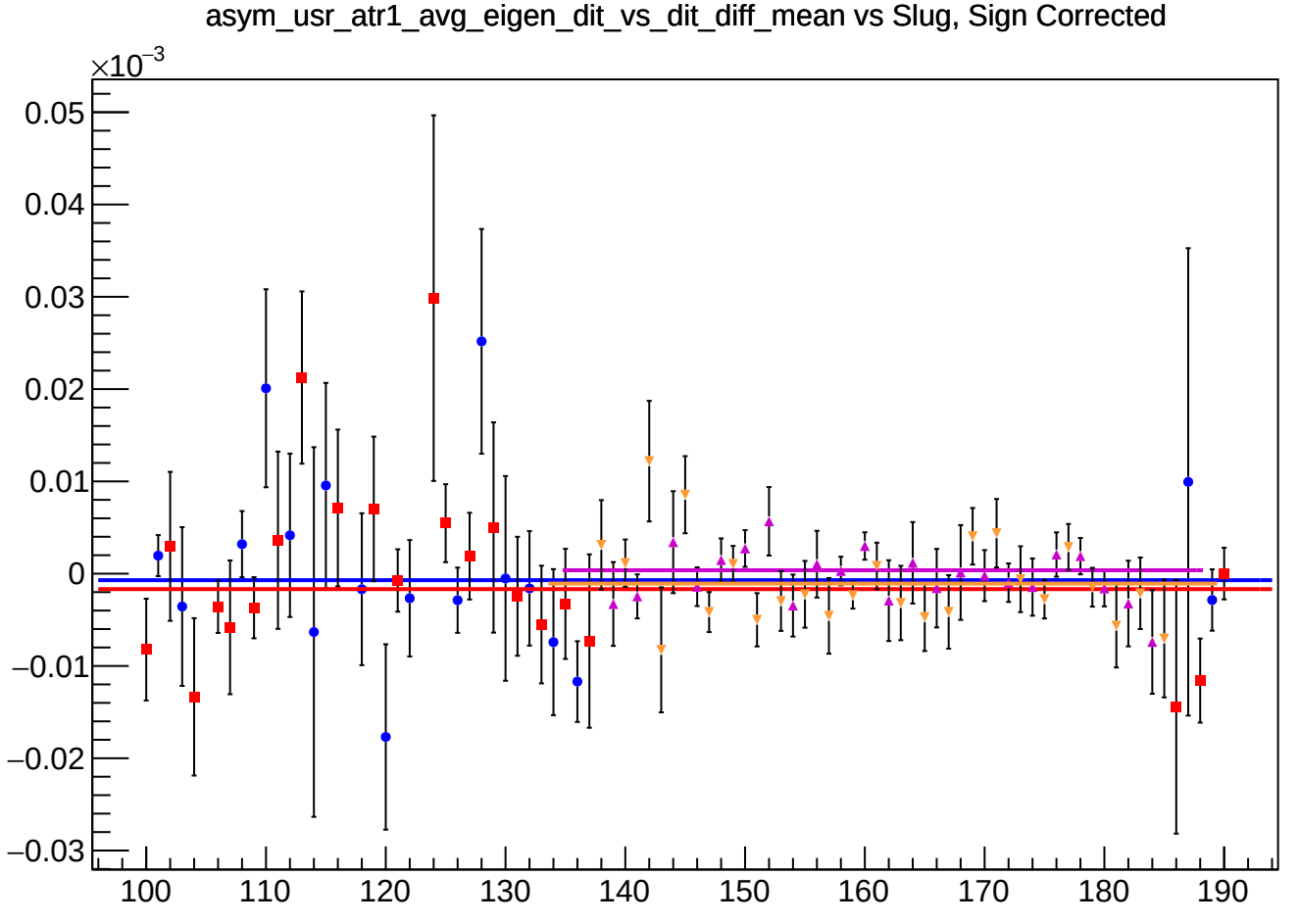
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 60.822+/-0.012 χ^2/NDF: 5179889.1/39

In: 58.015+/-0.009 χ^2/NDF:4310592.3/40

Out: 57.096+/-0.009 χ^2/NDF:5896310.5/46

All: 57.539+/-0.006 χ^2/NDF: 10212354.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/21

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

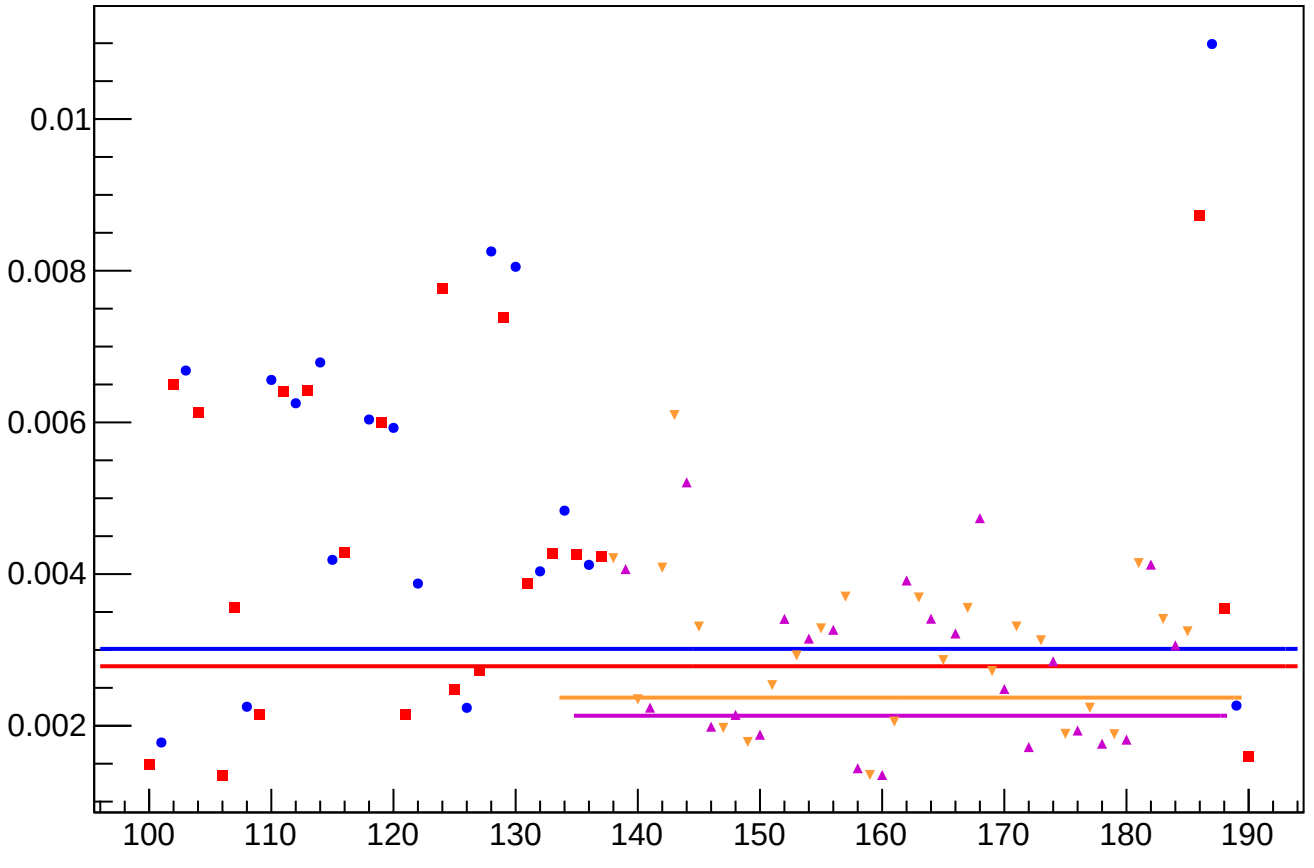
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 50.2/39

In: 0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:58.4/46

All: -0.000+/-0.000 χ^2/NDF: 103.6/87



Right In: 0.003+/-0.000 χ^2/NDF: 3594355.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4110061.6/21

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

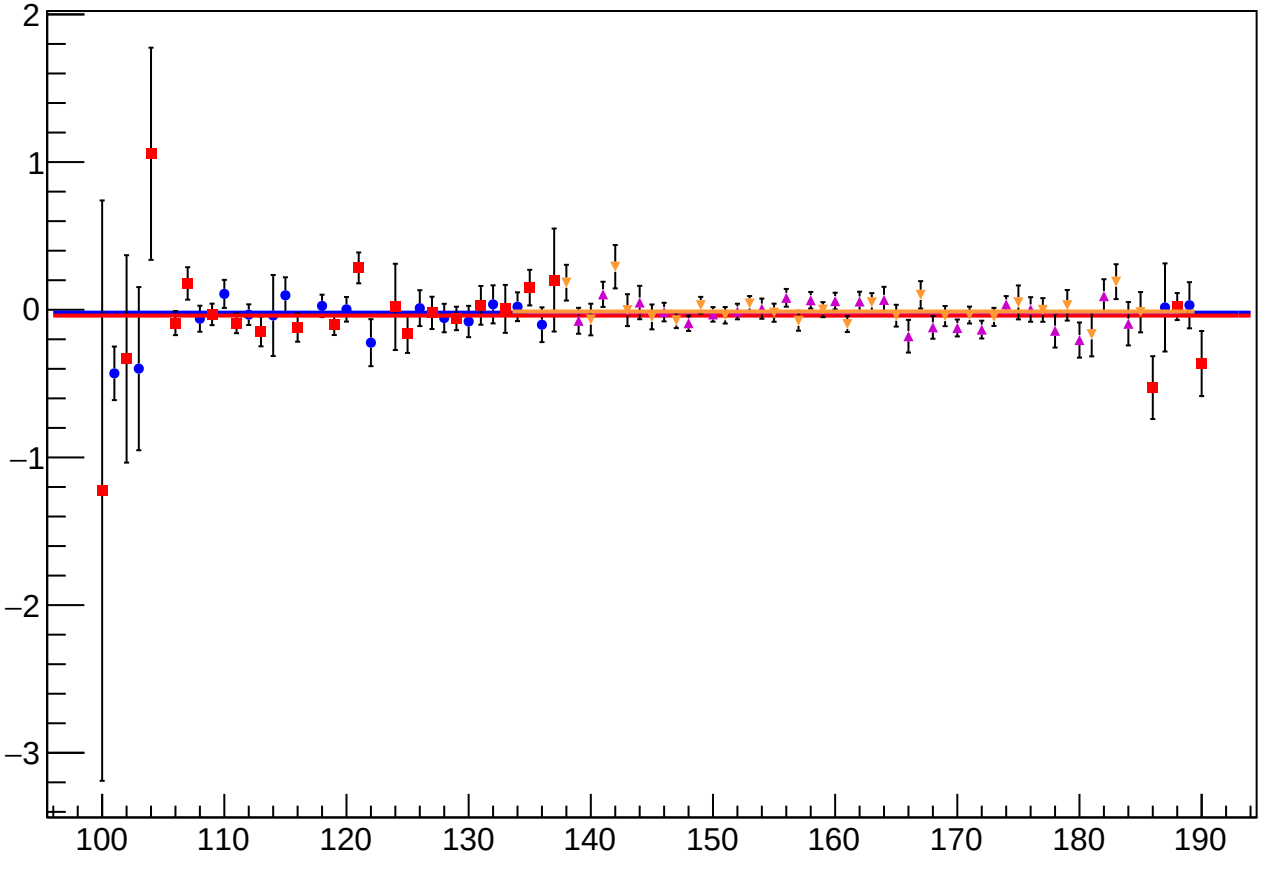
Right: 0.003+/-0.000 χ^2/NDF: 7742614.1/39

In: 0.002+/-0.000 χ^2/NDF:8972655.5/40

Out: 0.002+/-0.000 χ^2/NDF:8490251.9/46

All: 0.002+/-0.000 χ^2/NDF: 17602553.0/87

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

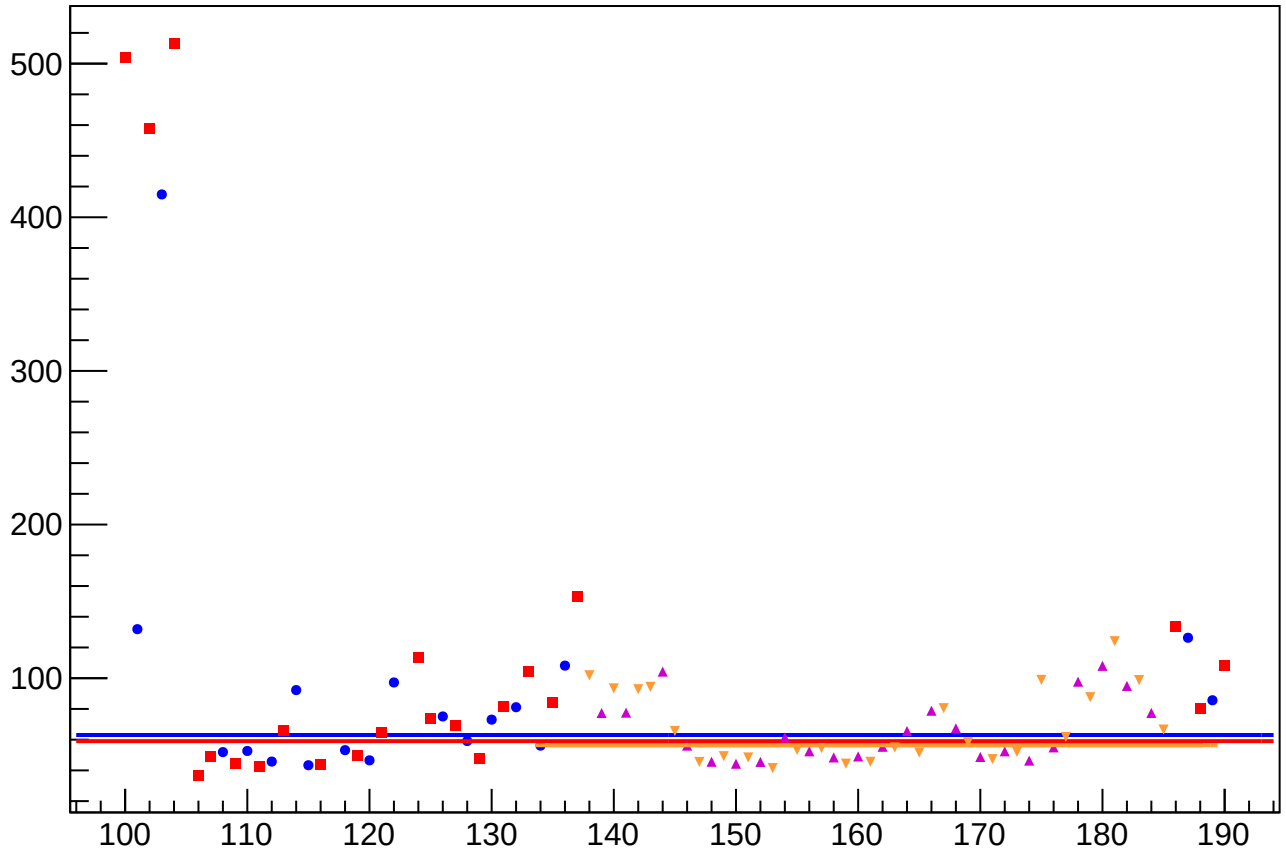
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.017 χ^2/NDF: 44.8/39

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.019+/-0.009 χ^2/NDF: 97.9/87



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

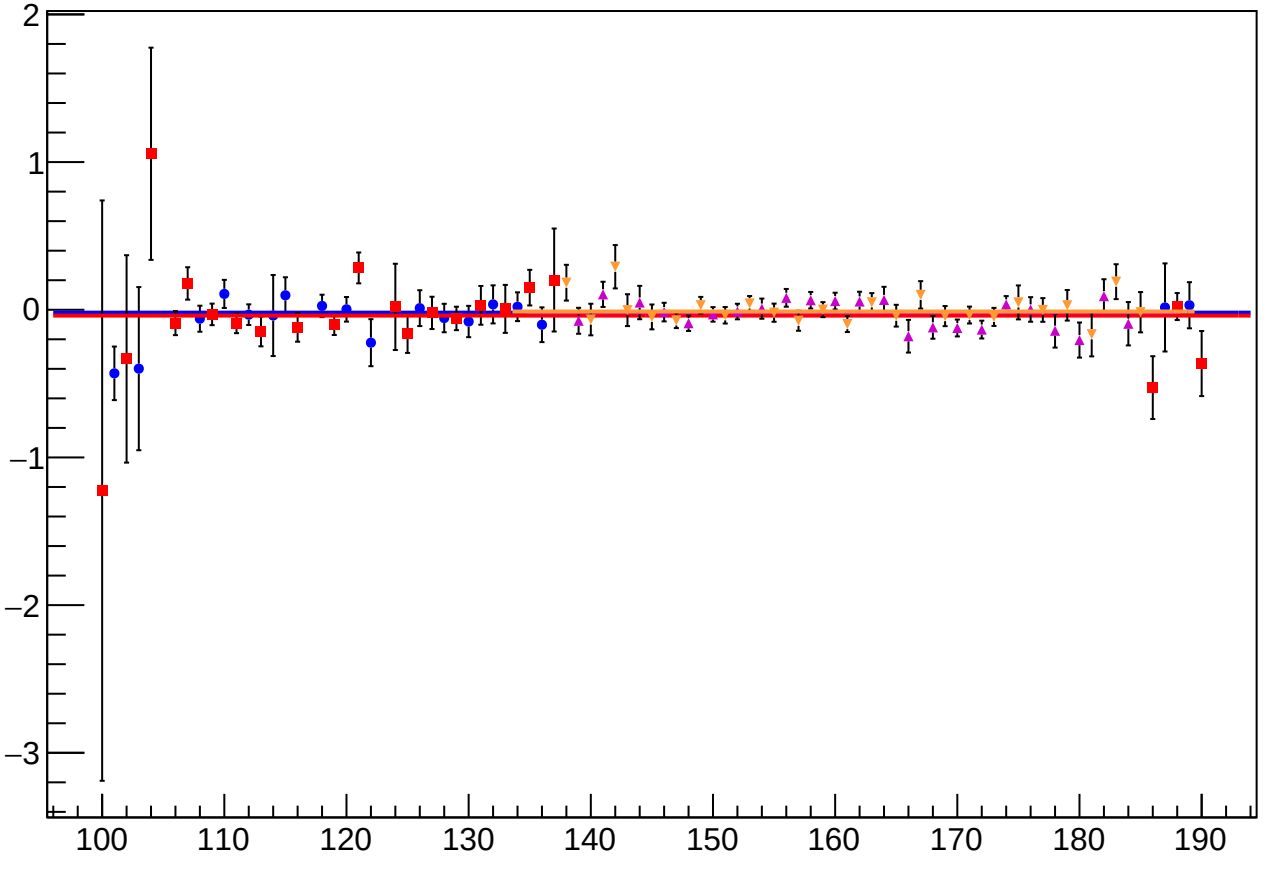
Right: 60.822+/-0.012 χ^2/NDF: 5179858.3/39

In: 58.015+/-0.009 χ^2/NDF:4310523.7/40

Out: 57.096+/-0.009 χ^2/NDF:5896370.1/46

All: 57.539+/-0.006 χ^2/NDF: 10212346.0/87

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

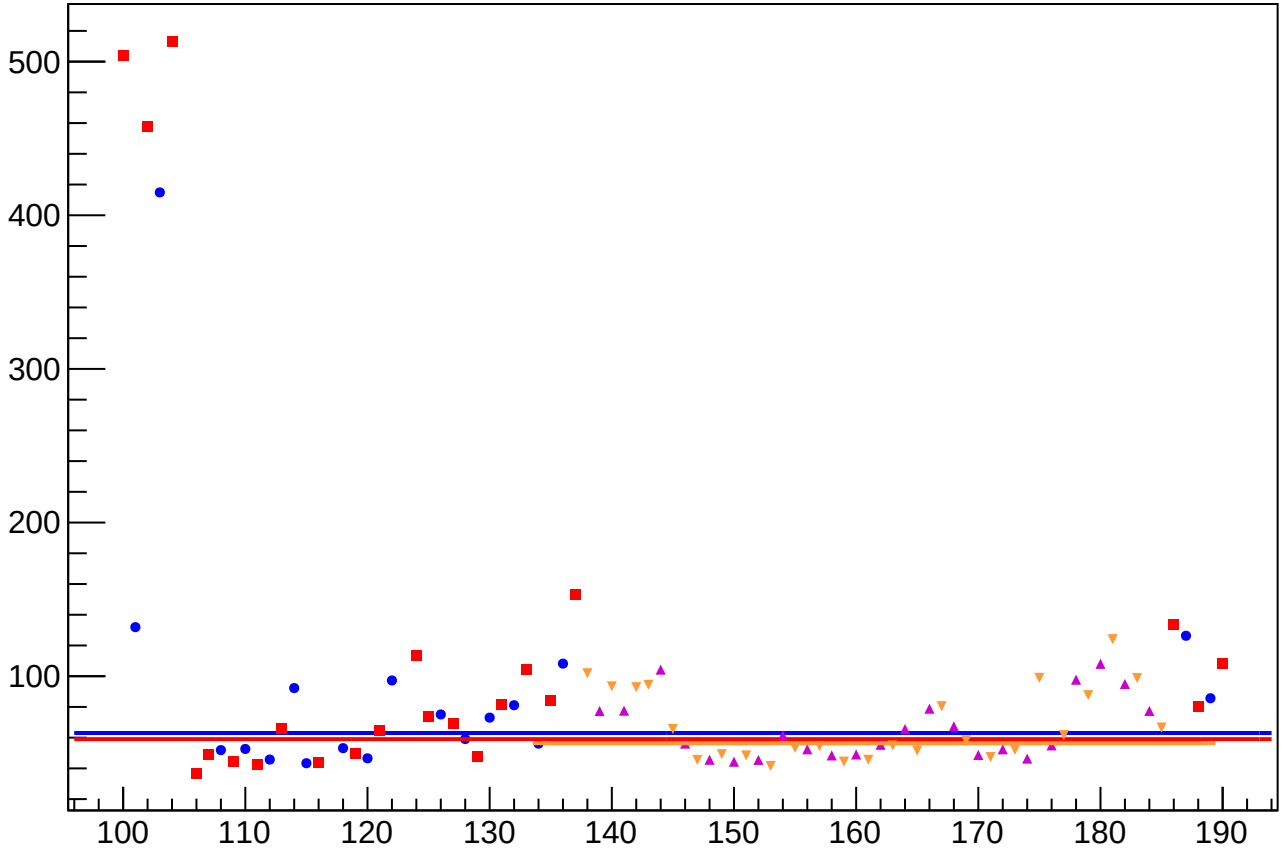
Right: -0.031+/-0.017 χ^2/NDF: 44.8/39

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.019+/-0.009 χ^2/NDF: 97.9/87

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

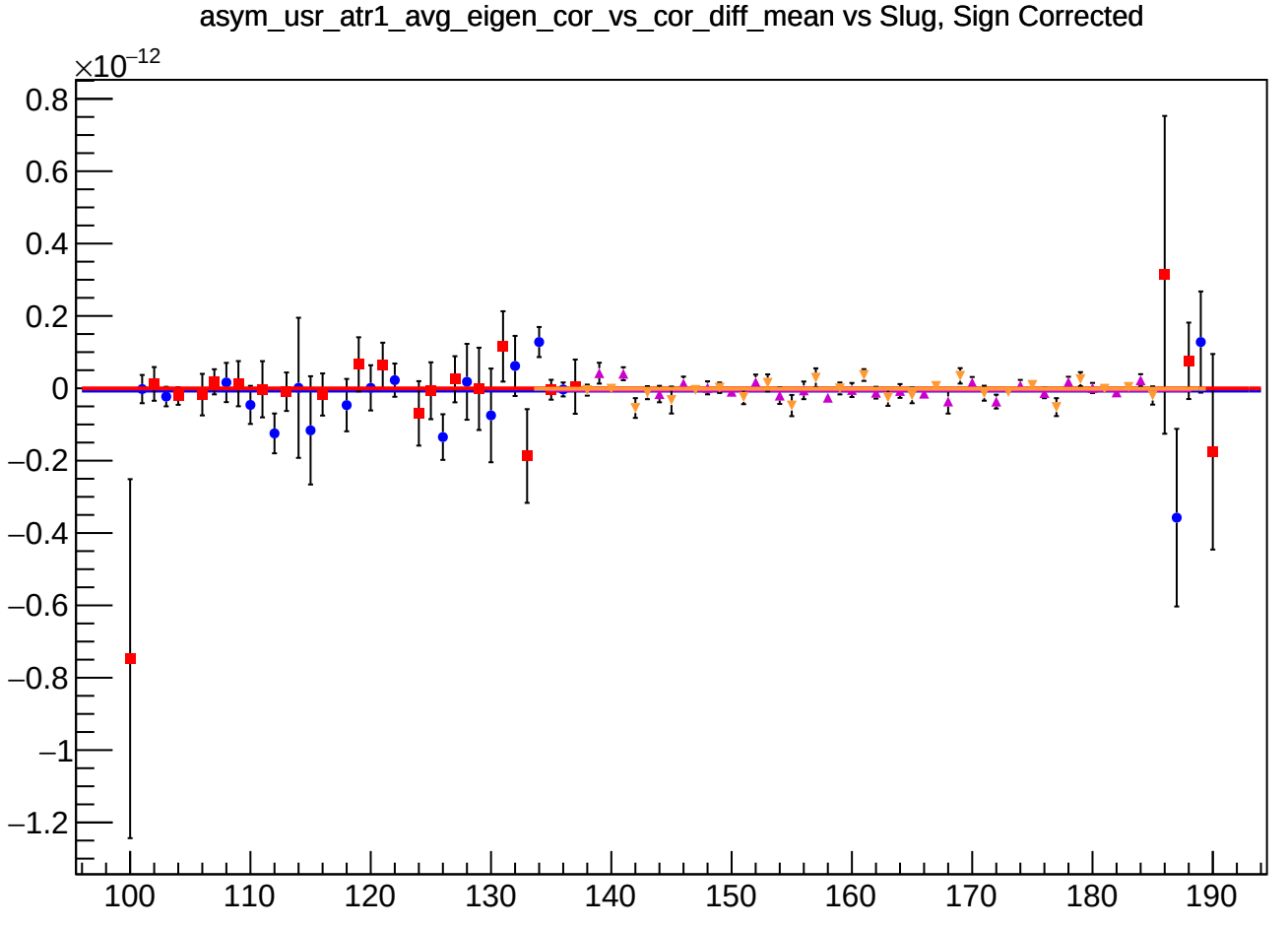
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

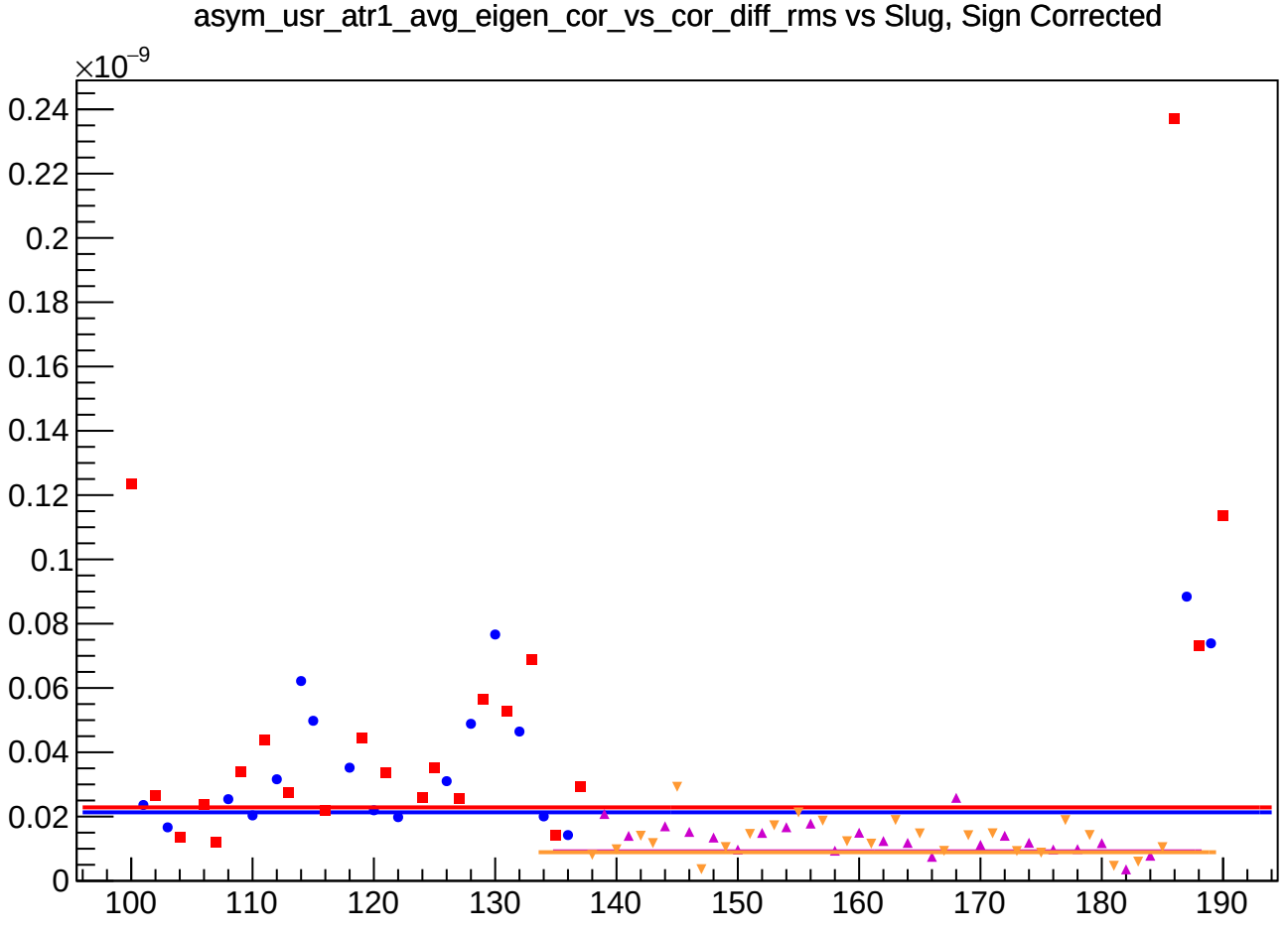
Right: 60.822+/-0.012 χ^2/NDF: 5179858.3/39

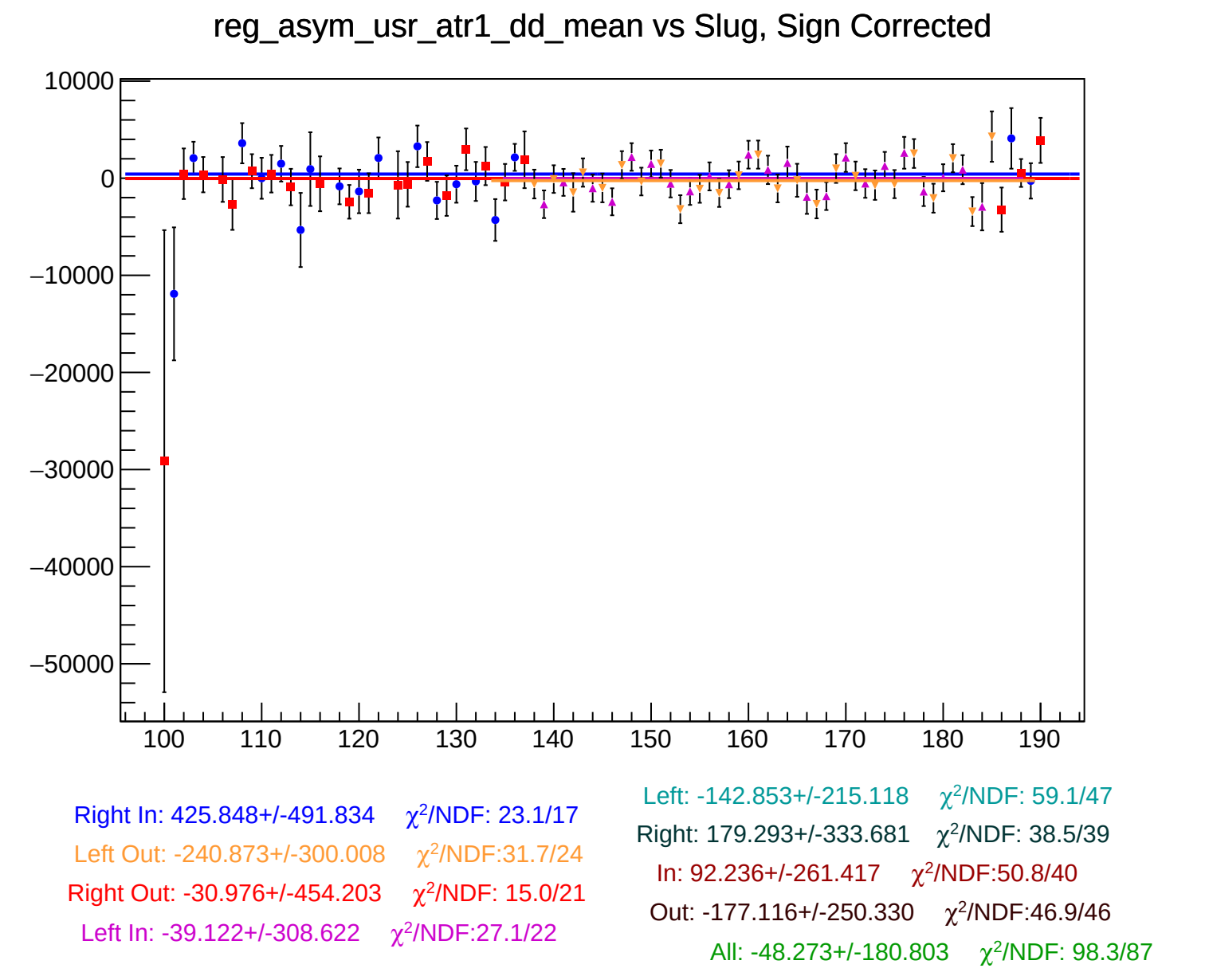
In: 58.015+/-0.009 χ^2/NDF:4310523.7/40

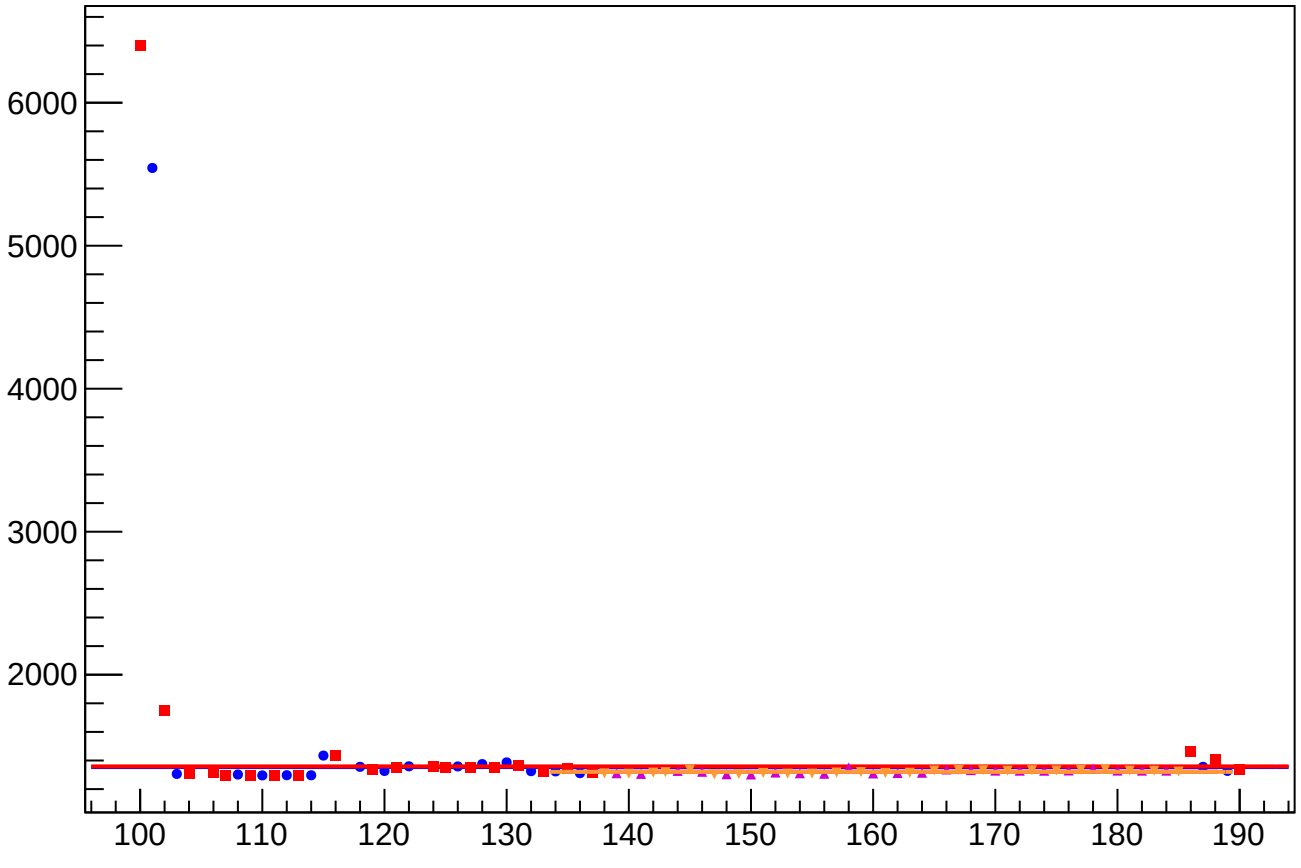
Out: 57.096+/-0.009 χ^2/NDF:5896370.1/46

All: 57.539+/-0.006 χ^2/NDF: 10212346.0/87


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 25.6/17
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 11.2/21
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 36.9/39
In: -0.000+/-0.000 χ²/NDF:54.0/40
Out: -0.000+/-0.000 χ²/NDF:40.8/46
All: -0.000+/-0.000 χ²/NDF: 95.6/87


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1820323.9/17
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3075124.8/21
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
Left: 0.000+/-0.000 χ²/NDF: 10139912.3/47
Right: 0.000+/-0.000 χ²/NDF: 4913386.0/39
In: 0.000+/-0.000 χ²/NDF:9076282.7/40
Out: 0.000+/-0.000 χ²/NDF:10758096.3/46
All: 0.000+/-0.000 χ²/NDF: 19843800.8/87


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 425.848+/-491.834 χ²/NDF: 23.1/17
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -30.976+/-454.203 χ²/NDF: 15.0/21
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 179.293+/-333.681 χ²/NDF: 38.5/39
In: 92.236+/-261.417 χ²/NDF:50.8/40
Out: -177.116+/-250.330 χ²/NDF:46.9/46
All: -48.273+/-180.803 χ²/NDF: 98.3/87



Right In: 1354.261+/-0.348 χ^2/NDF: 760736.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1358.854+/-0.321 χ^2/NDF: 154759.9/21

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

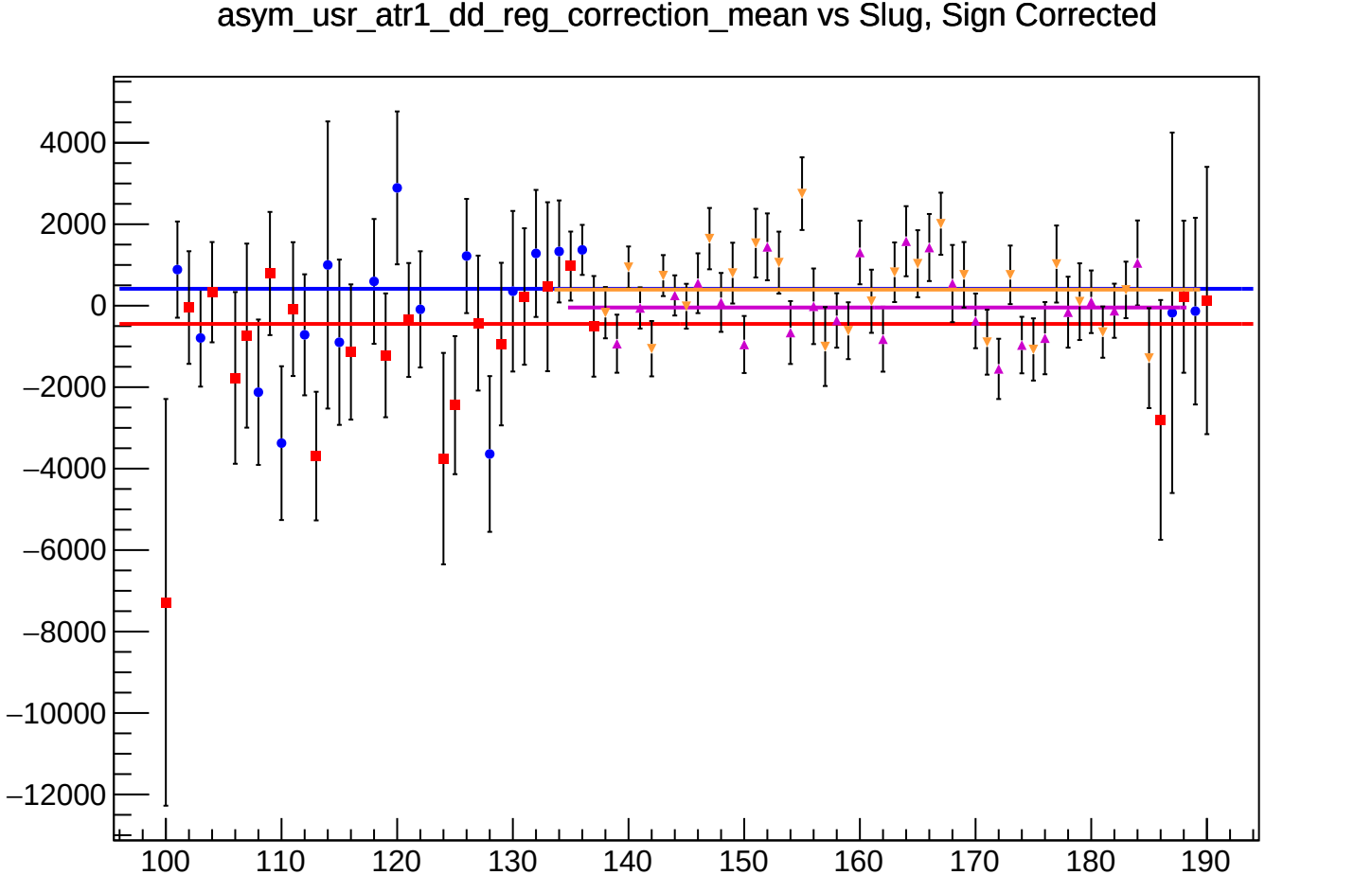
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.740+/-0.236 χ^2/NDF: 915590.9/39

In: 1330.958+/-0.185 χ^2/NDF:770547.7/40

Out: 1332.317+/-0.177 χ^2/NDF:167167.2/46

All: 1331.667+/-0.128 χ^2/NDF: 937743.1/87



Right In: 414.956+/-333.874 χ^2/NDF: 18.3/17

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -447.965+/-344.955 χ^2/NDF: 15.2/21

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

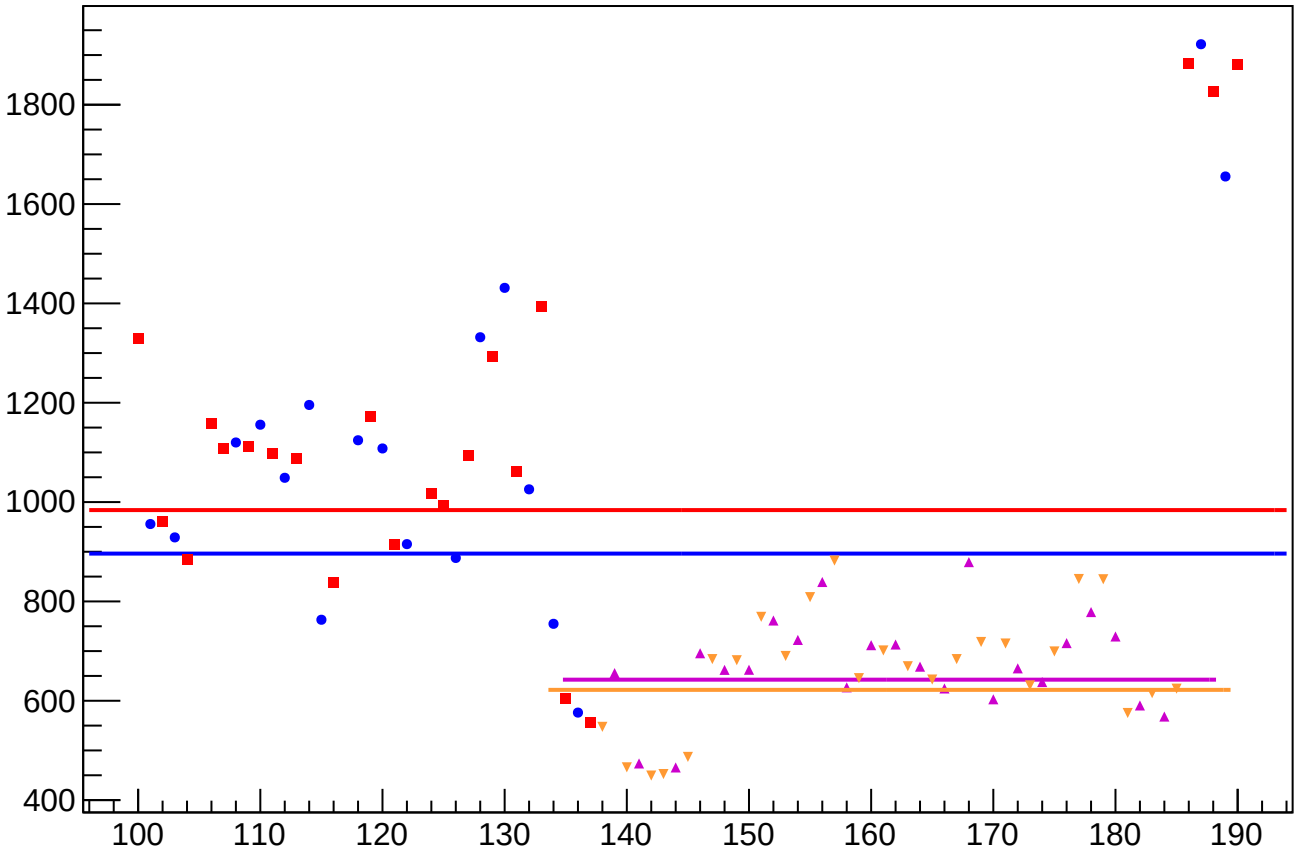
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -2.422+/-239.906 χ^2/NDF: 36.7/39

In: 34.436+/-138.589 χ^2/NDF:47.5/40

Out: 268.689+/-133.327 χ^2/NDF:62.1/46

All: 156.093+/-96.083 χ^2/NDF: 111.1/87



Right In: 896.289+/-0.236 χ^2/NDF: 1350640.8/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 983.887+/-0.244 χ^2/NDF: 1650419.0/21

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

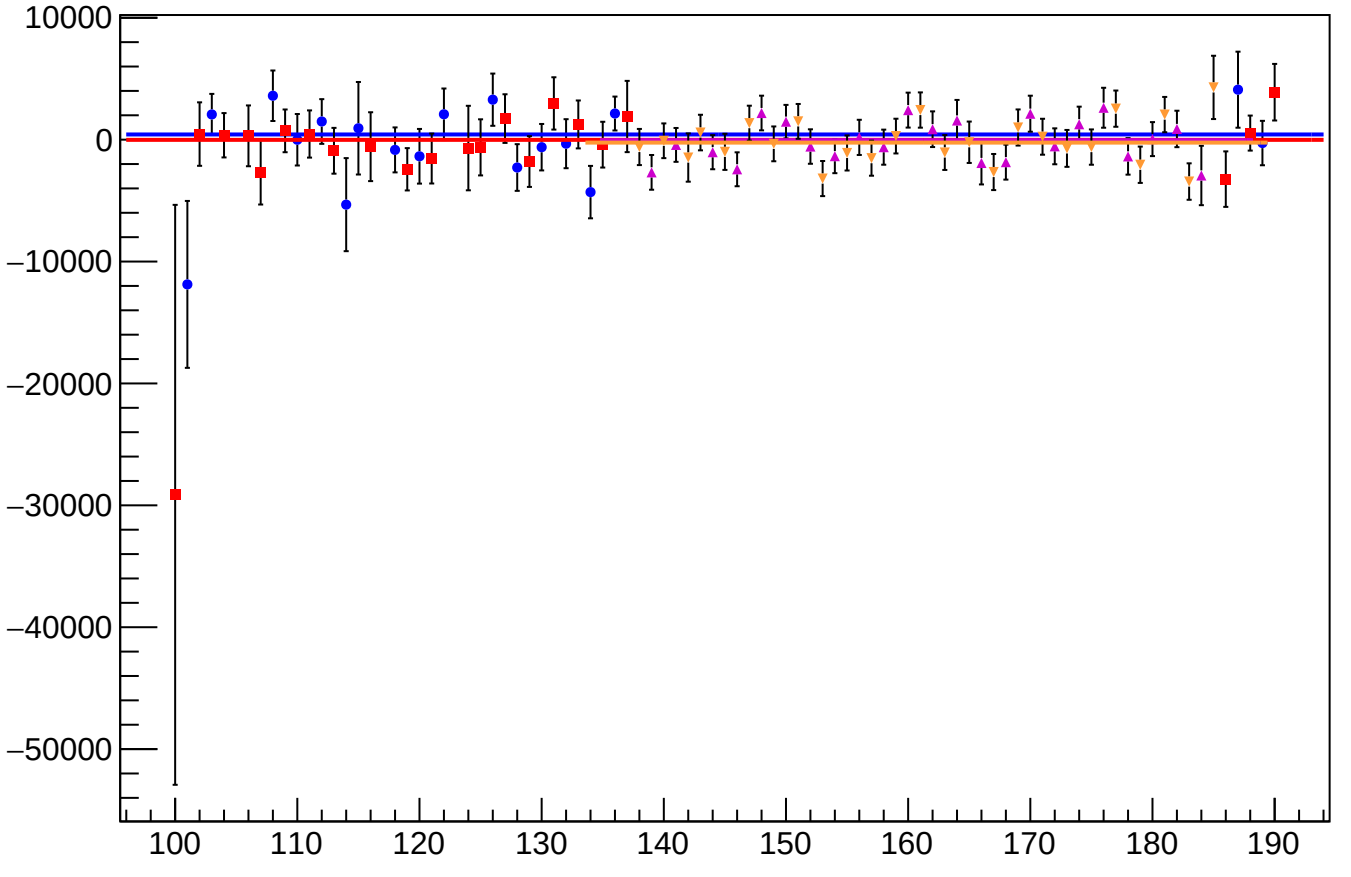
Right: 938.658+/-0.170 χ^2/NDF: 3067649.4/39

In: 686.204+/-0.098 χ^2/NDF:3233690.5/40

Out: 676.019+/-0.094 χ^2/NDF:4906733.8/46

All: 680.914+/-0.068 χ^2/NDF: 8146034.1/87

cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 426.114+/-491.834 χ^2/NDF: 23.0/17

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -15.928+/-455.476 χ^2/NDF: 15.0/21

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

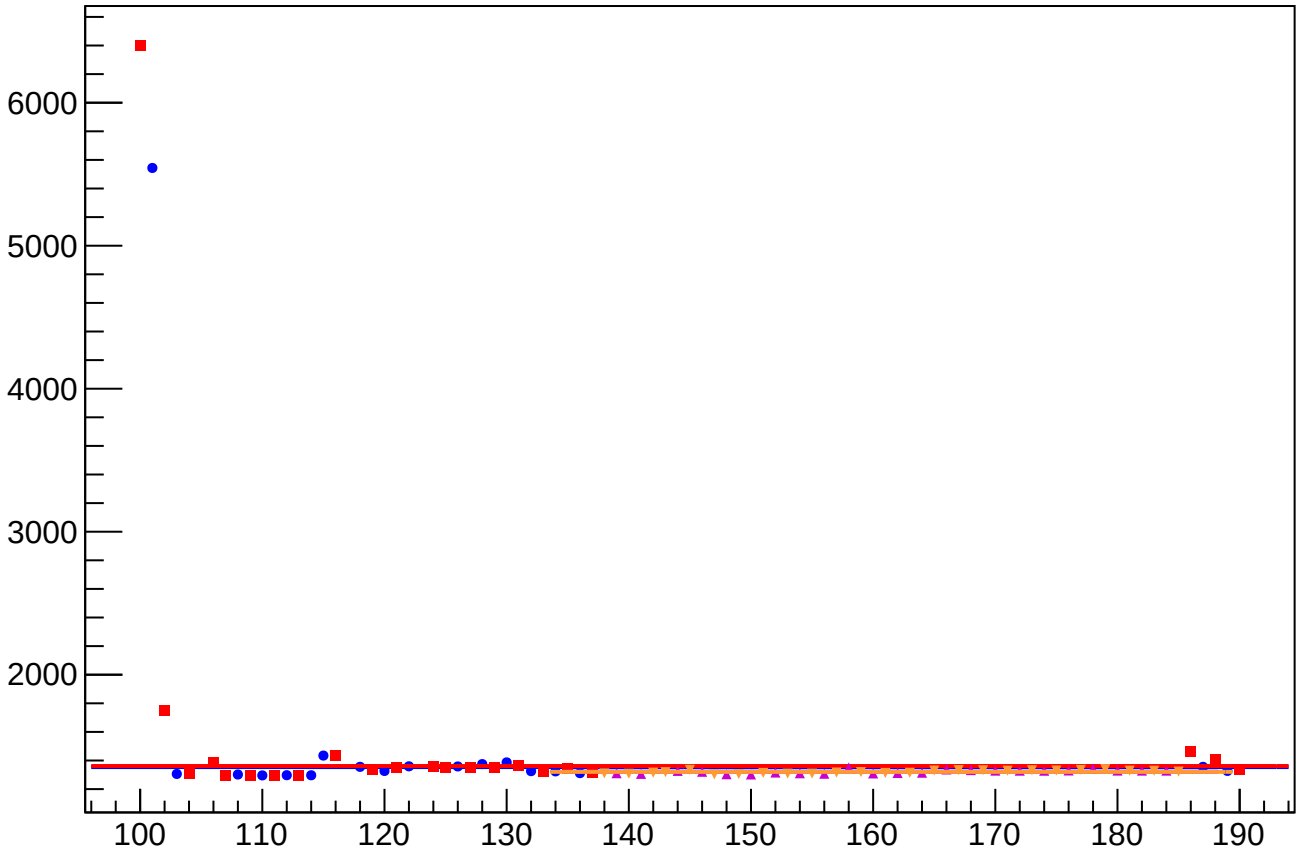
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 188.153+/-334.185 χ^2/NDF: 38.5/39

In: 92.261+/-261.417 χ^2/NDF:50.8/40

Out: -172.812+/-250.542 χ^2/NDF:46.9/46

All: -45.904+/-180.883 χ^2/NDF: 98.3/87



Right In: 1354.261+/-0.348 χ^2/NDF: 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1361.461+/-0.322 χ^2/NDF: 154340.4/21

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

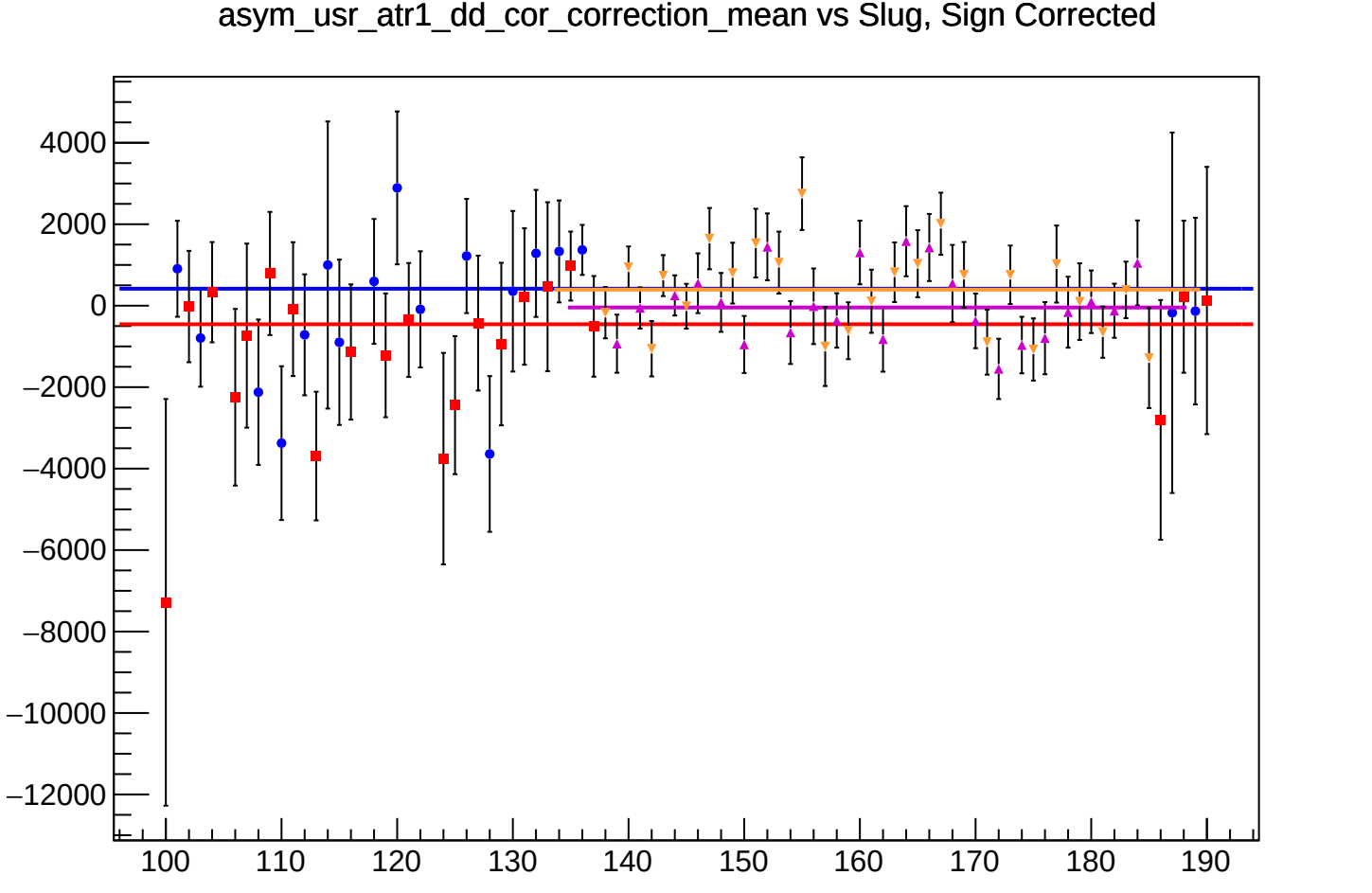
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1358.137+/-0.236 χ^2/NDF: 915307.1/39

In: 1330.958+/-0.185 χ^2/NDF:770546.7/40

Out: 1333.061+/-0.177 χ^2/NDF:168091.6/46

All: 1332.054+/-0.128 χ^2/NDF: 938705.8/87



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -455.945+/-344.960 χ^2/NDF: 15.5/21

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

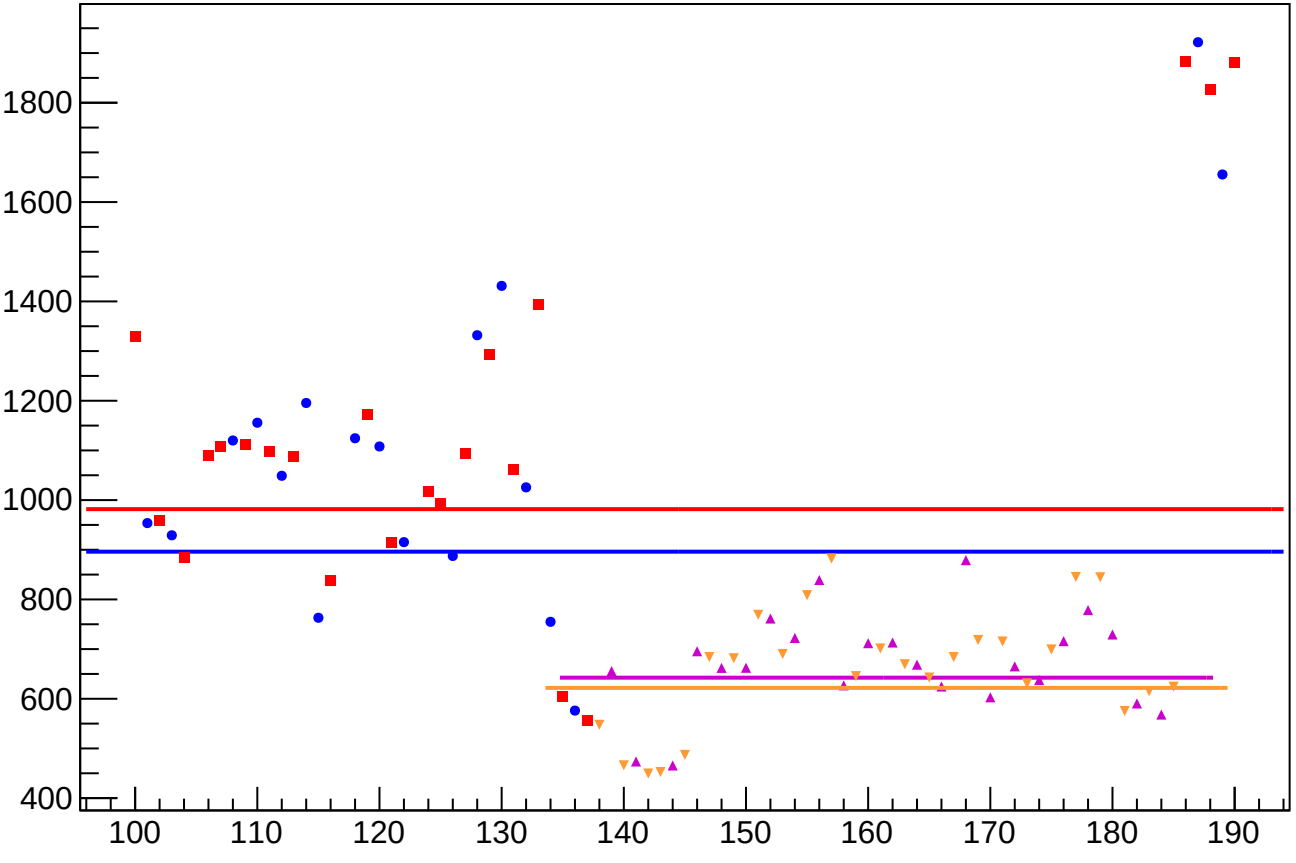
Right: -5.312+/-239.888 χ^2/NDF: 37.1/39

In: 34.764+/-138.584 χ^2/NDF:47.5/40

Out: 267.476+/-133.328 χ^2/NDF:62.5/46

All: 155.617+/-96.081 χ^2/NDF: 111.5/87

asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 896.159+/-0.236 χ^2/NDF: 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 981.790+/-0.244 χ^2/NDF: 1641690.7/21

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

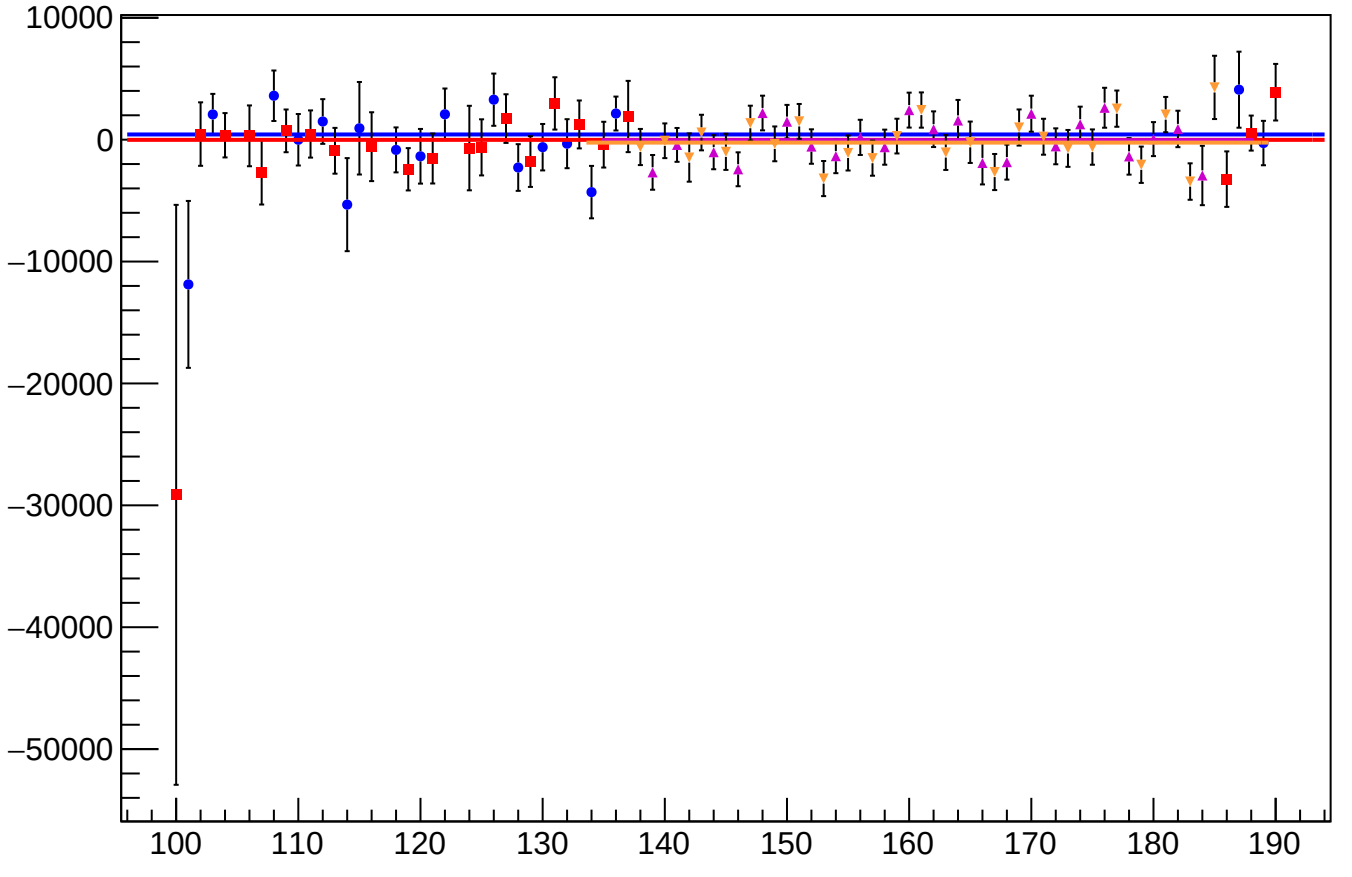
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 937.569+/-0.170 χ^2/NDF: 3055624.2/39

In: 686.189+/-0.098 χ^2/NDF:3232699.6/40

Out: 675.704+/-0.094 χ^2/NDF:4876230.2/46

All: 680.744+/-0.068 χ^2/NDF: 8114874.4/87



Right In: 426.114+/-491.834 χ^2/NDF: 23.0/17

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -15.928+/-455.476 χ^2/NDF: 15.0/21

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

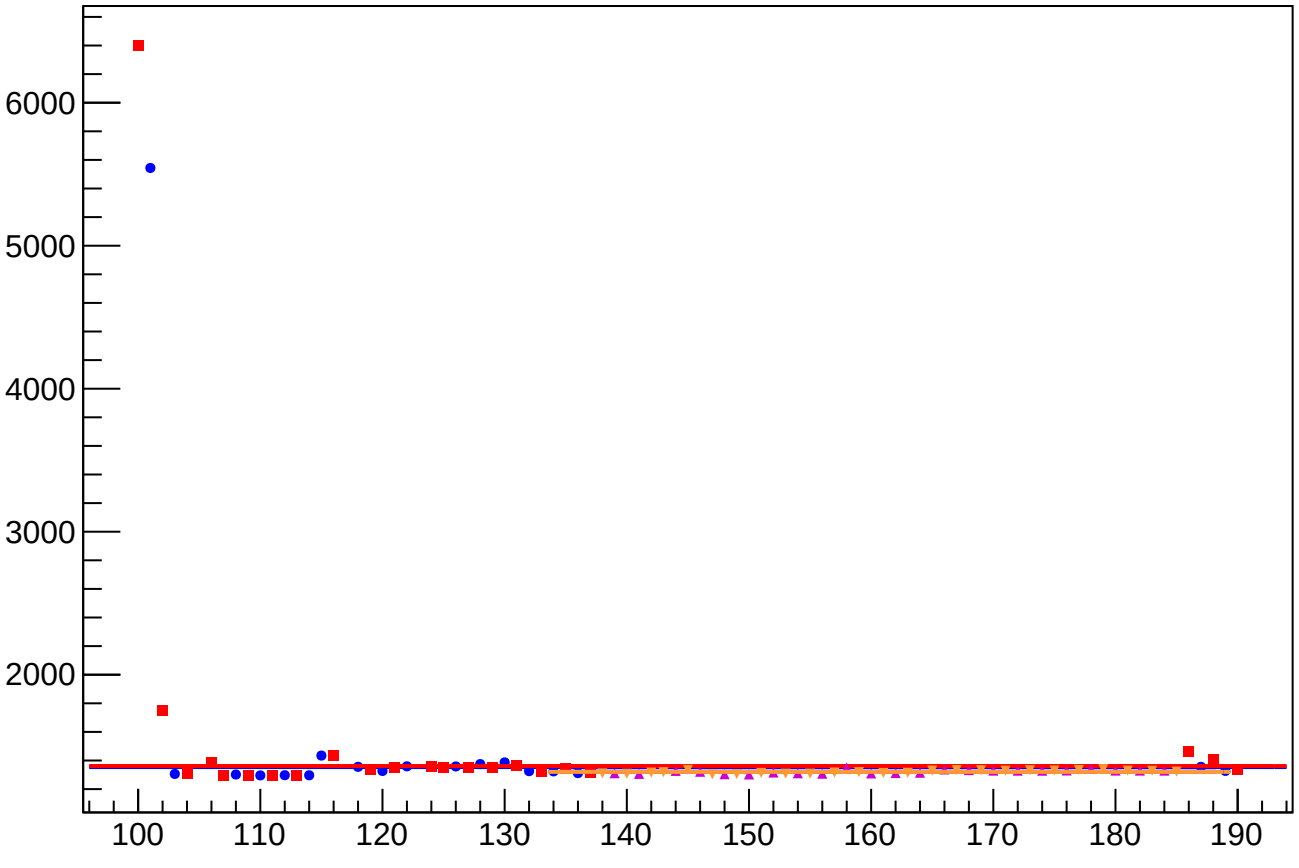
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 188.153+/-334.185 χ^2/NDF: 38.5/39

In: 92.261+/-261.417 χ^2/NDF:50.8/40

Out: -172.812+/-250.542 χ^2/NDF:46.9/46

All: -45.904+/-180.883 χ^2/NDF: 98.3/87



Right In: 1354.261+/-0.348 χ^2/NDF: 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1361.461+/-0.322 χ^2/NDF: 154340.4/21

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

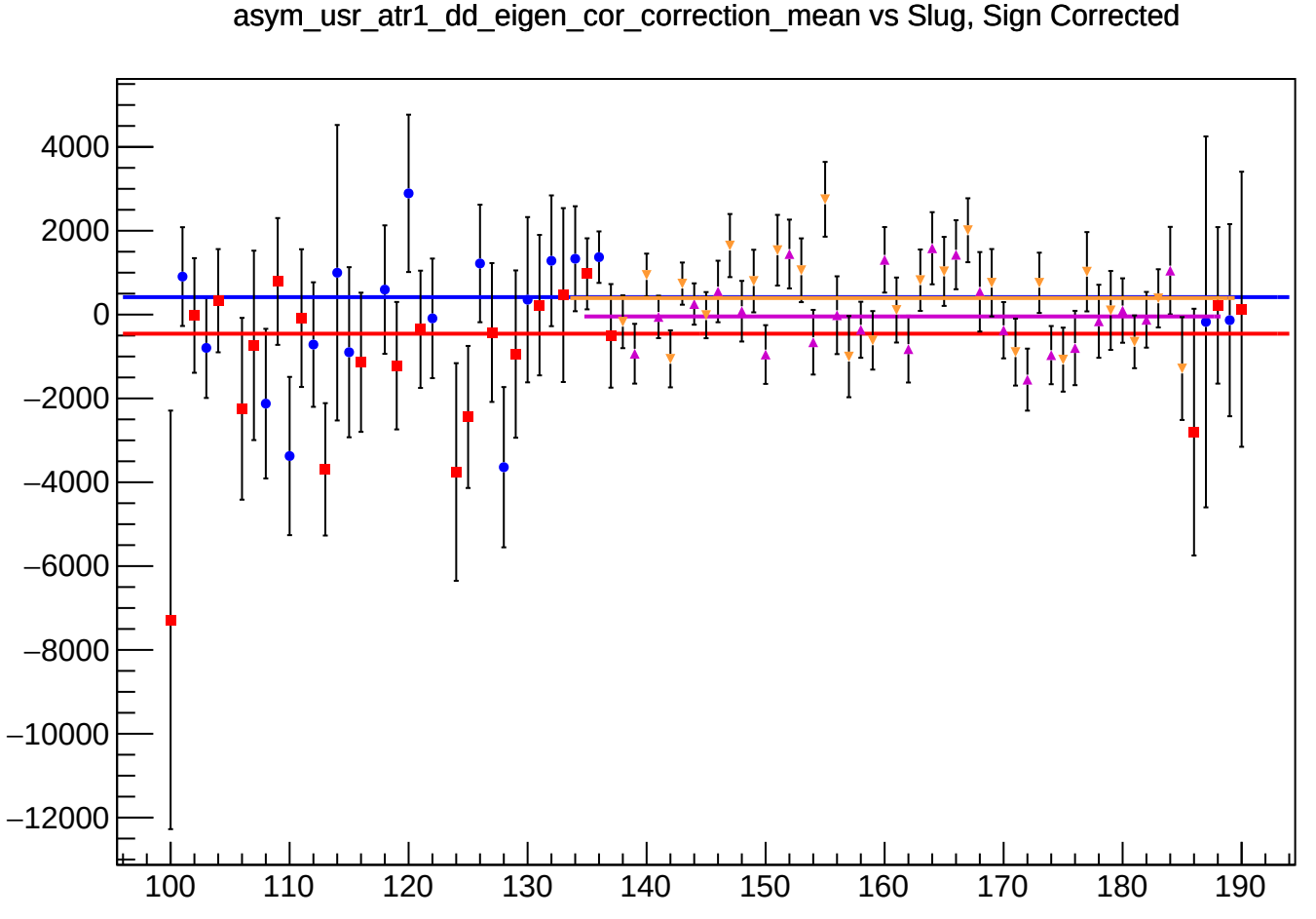
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1358.137+/-0.236 χ^2/NDF: 915307.1/39

In: 1330.958+/-0.185 χ^2/NDF:770546.7/40

Out: 1333.061+/-0.177 χ^2/NDF:168091.6/46

All: 1332.054+/-0.128 χ^2/NDF: 938705.8/87



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -455.945+/-344.960 χ^2/NDF: 15.5/21

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

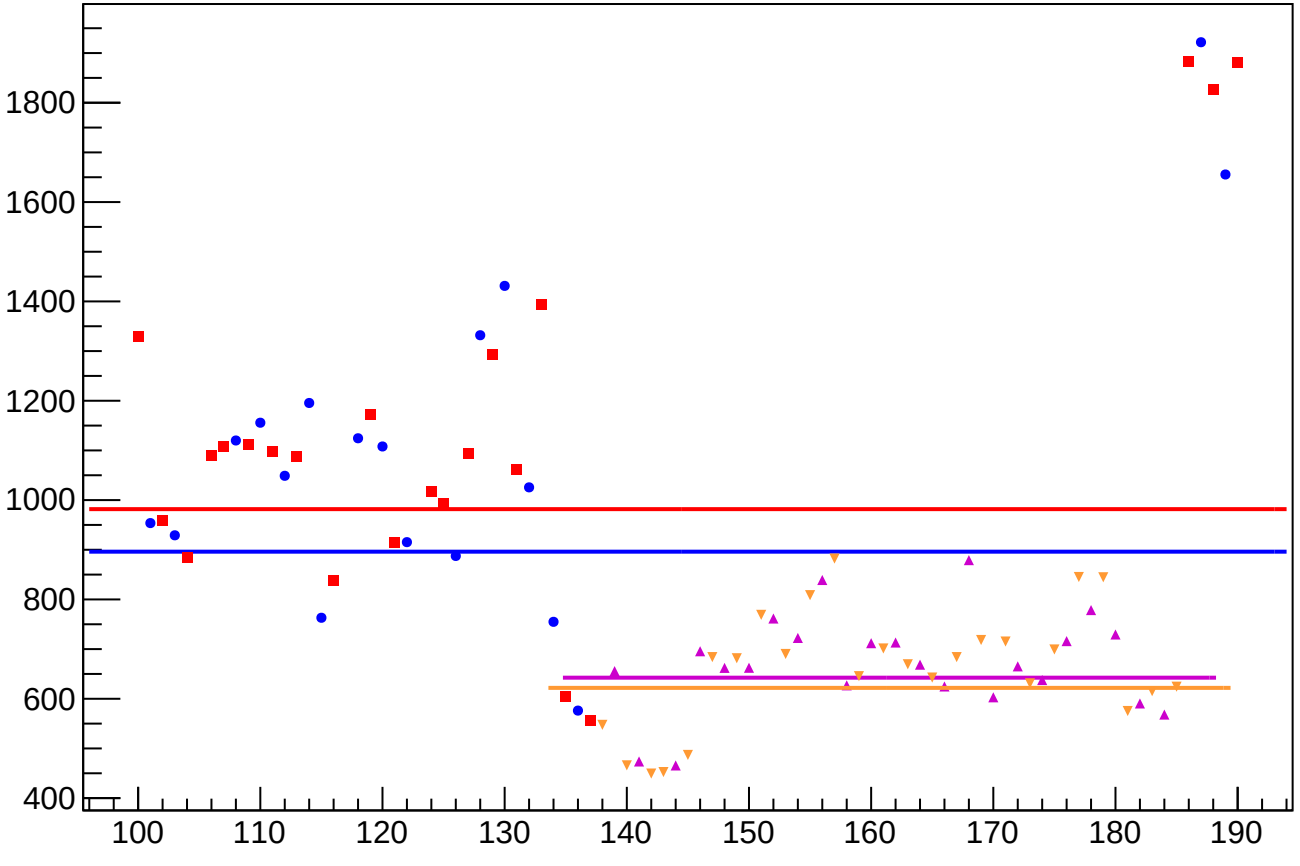
Right: -5.312+/-239.888 χ^2/NDF: 37.1/39

In: 34.764+/-138.584 χ^2/NDF:47.5/40

Out: 267.476+/-133.328 χ^2/NDF:62.5/46

All: 155.617+/-96.081 χ^2/NDF: 111.5/87

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 896.159+/-0.236 χ^2/NDF: 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 981.790+/-0.244 χ^2/NDF: 1641690.7/21

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

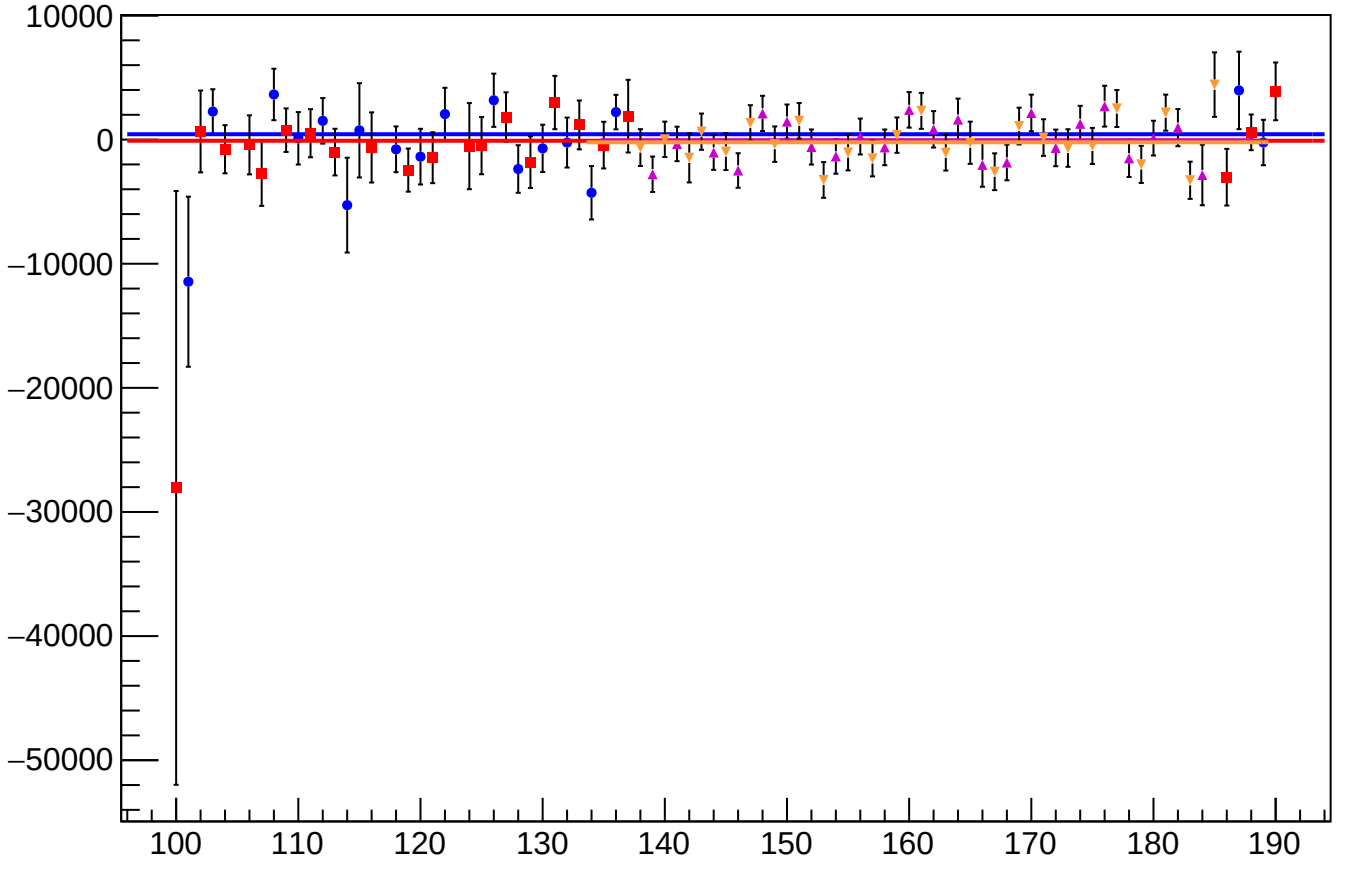
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 937.569+/-0.170 χ^2/NDF: 3055624.2/39

In: 686.189+/-0.098 χ^2/NDF:3232699.6/40

Out: 675.704+/-0.094 χ^2/NDF:4876230.2/46

All: 680.744+/-0.068 χ^2/NDF: 8114874.4/87



Right In: 434.115+/-494.854 χ^2/NDF: 22.8/17

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -89.986+/-459.490 χ^2/NDF: 14.8/21

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

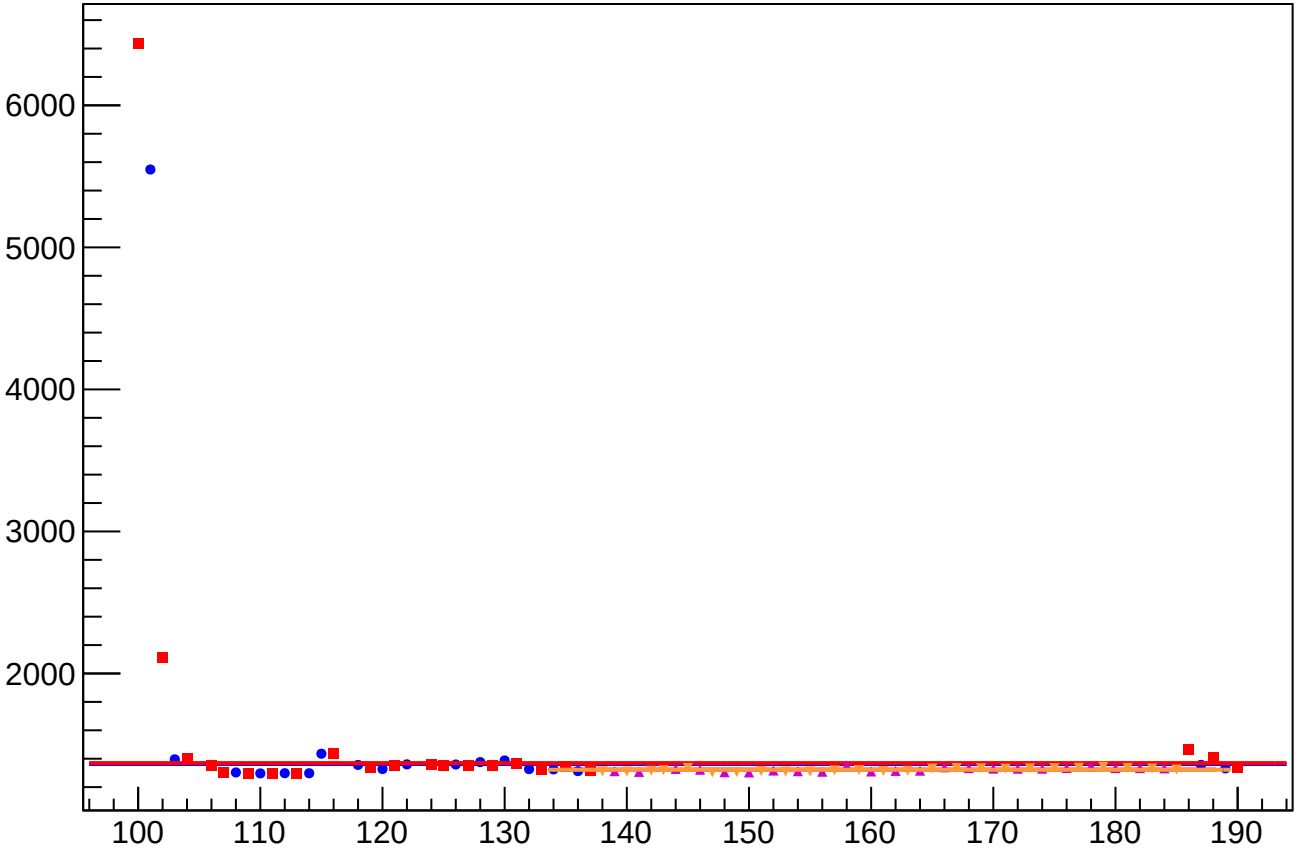
Right: 152.670+/-336.717 χ^2/NDF: 38.3/39

In: 85.624+/-262.091 χ^2/NDF:51.3/40

Out: -177.594+/-251.422 χ^2/NDF:46.2/46

All: -51.451+/-181.437 χ^2/NDF: 98.0/87

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1362.638+/-0.350 χ^2/NDF: 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

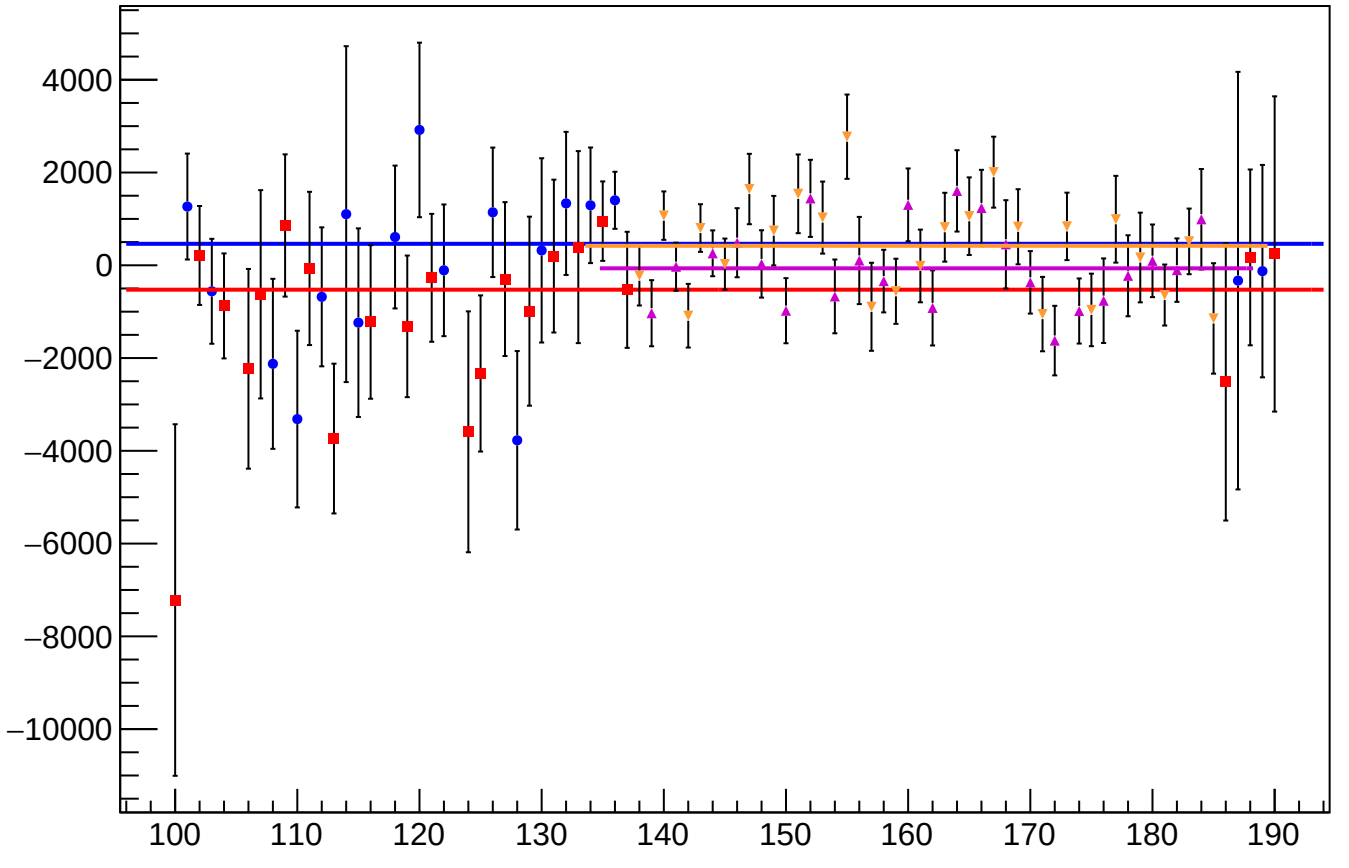
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1366.118+/-0.238 χ^2/NDF: 971182.0/39

In: 1334.361+/-0.185 χ^2/NDF:772502.0/40

Out: 1336.366+/-0.178 χ^2/NDF:228865.1/46

All: 1335.405+/-0.128 χ^2/NDF: 1001428.0/87



Right In: 463.244+/-332.038 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -525.967+/-336.624 χ^2/NDF: 16.3/21

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

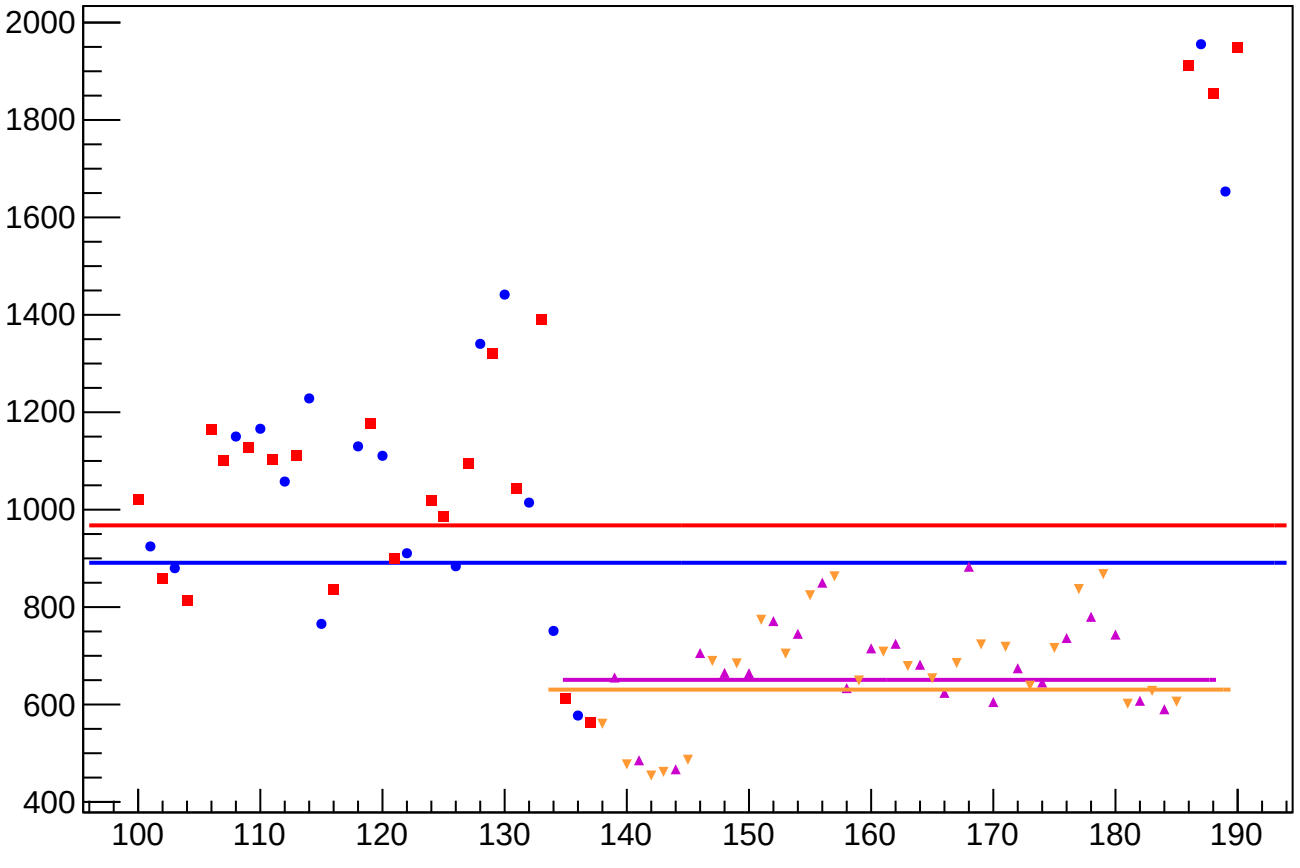
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -24.577+/-236.391 χ^2/NDF: 39.3/39

In: 28.407+/-139.873 χ^2/NDF:47.8/40

Out: 269.388+/-134.281 χ^2/NDF:64.4/46

All: 153.811+/-96.867 χ^2/NDF: 113.8/87



Right In: 890.981+/-0.235 χ^2/NDF: 1363615.6/17

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 967.749+/-0.238 χ^2/NDF: 1708355.8/21

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

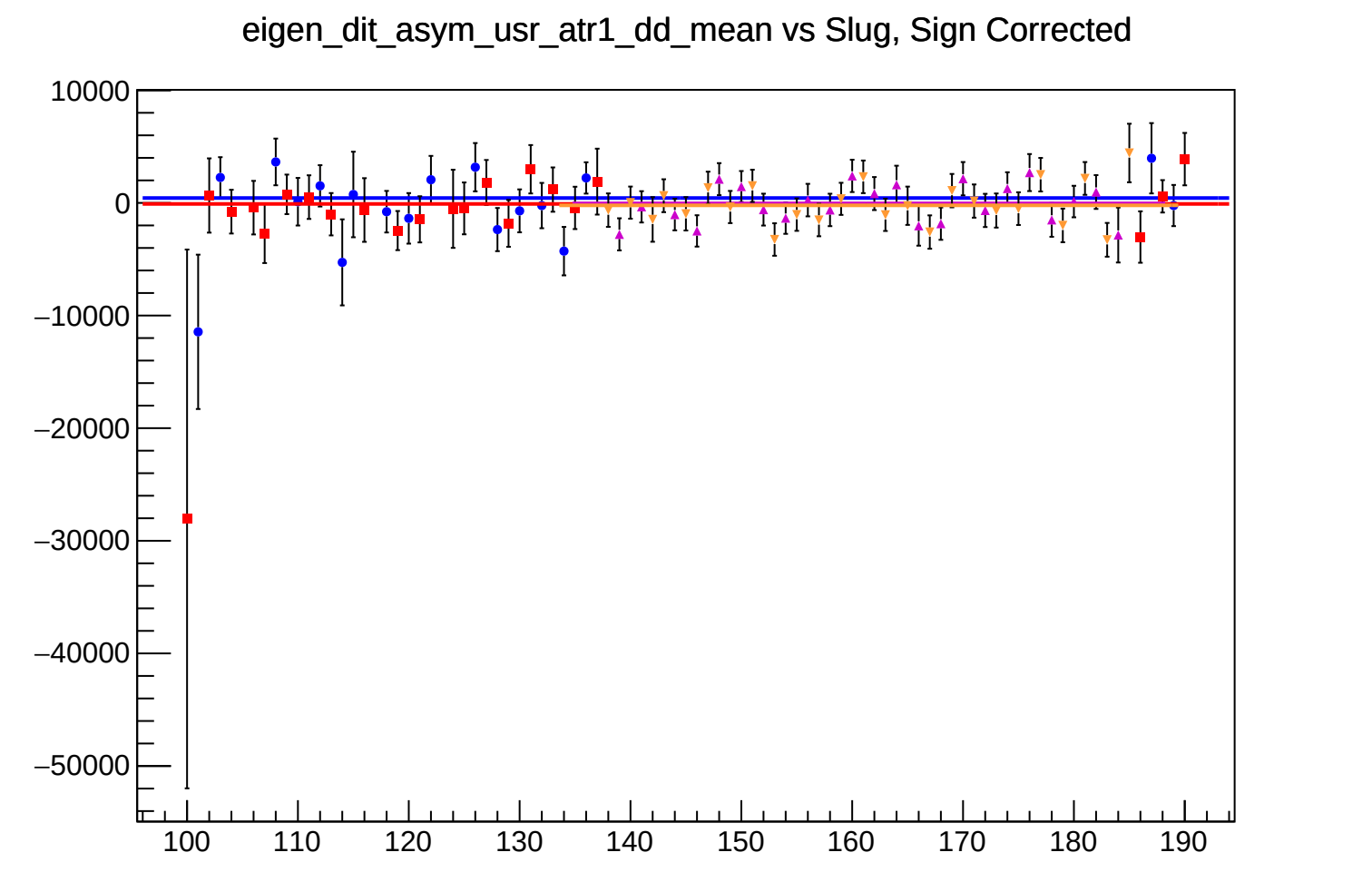
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 928.838+/-0.167 χ^2/NDF: 3124692.4/39

In: 693.287+/-0.099 χ^2/NDF:3147642.7/40

Out: 684.242+/-0.095 χ^2/NDF:4724027.1/46

All: 688.580+/-0.068 χ^2/NDF: 7876022.6/87



Right In: 434.115+/-494.854 χ^2/NDF: 22.8/17

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -89.985+/-459.490 χ^2/NDF: 14.8/21

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

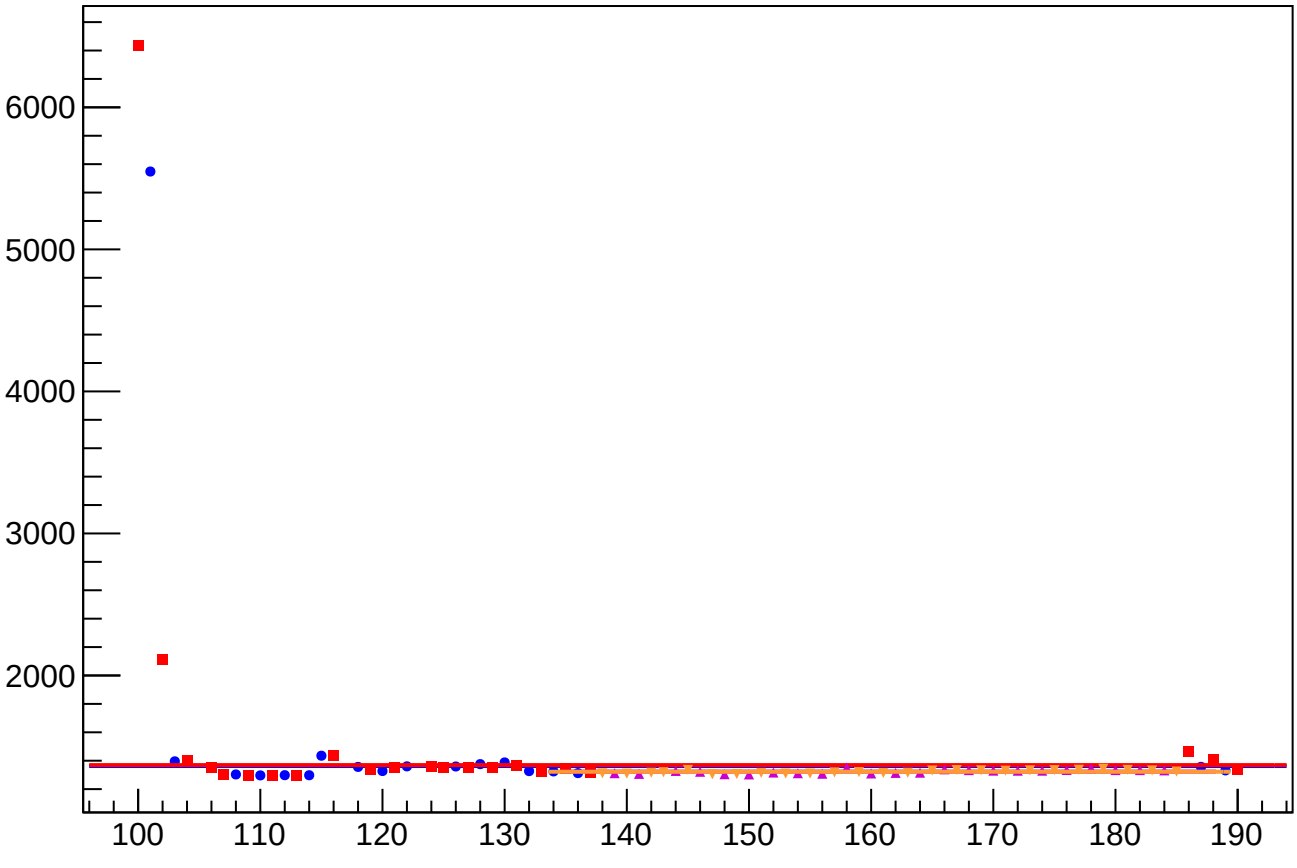
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 152.671+/-336.717 χ^2/NDF: 38.3/39

In: 85.624+/-262.091 χ^2/NDF:51.3/40

Out: -177.595+/-251.422 χ^2/NDF:46.2/46

All: -51.451+/-181.437 χ^2/NDF: 98.0/87



Right In: 1362.637+/-0.350 χ^2/NDF: 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

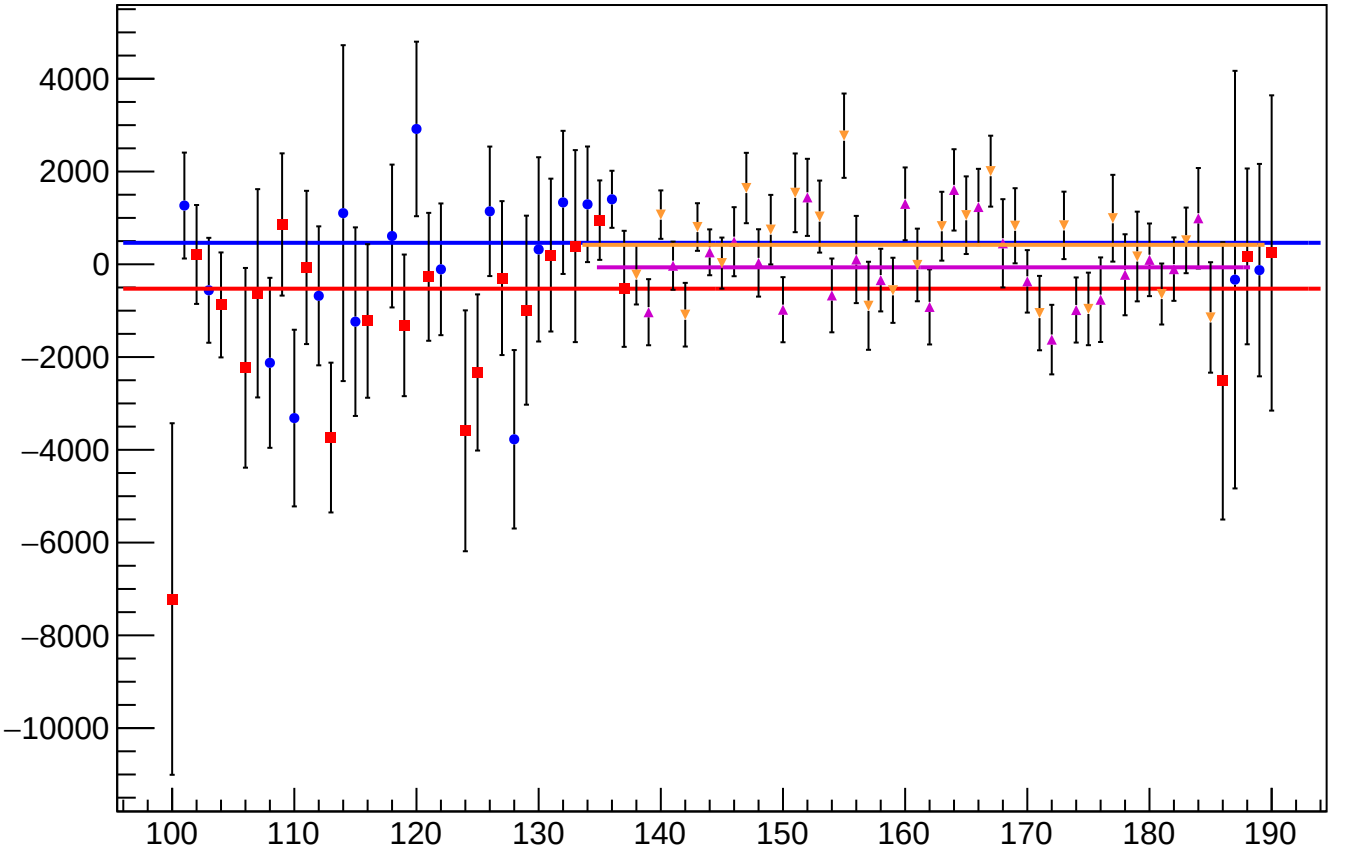
Right: 1366.118+/-0.238 χ^2/NDF: 971182.0/39

In: 1334.361+/-0.185 χ^2/NDF:772502.0/40

Out: 1336.366+/-0.178 χ^2/NDF:228865.0/46

All: 1335.405+/-0.128 χ^2/NDF: 1001427.9/87

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 463.242+/-332.037 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -525.966+/-336.623 χ^2/NDF: 16.3/21

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

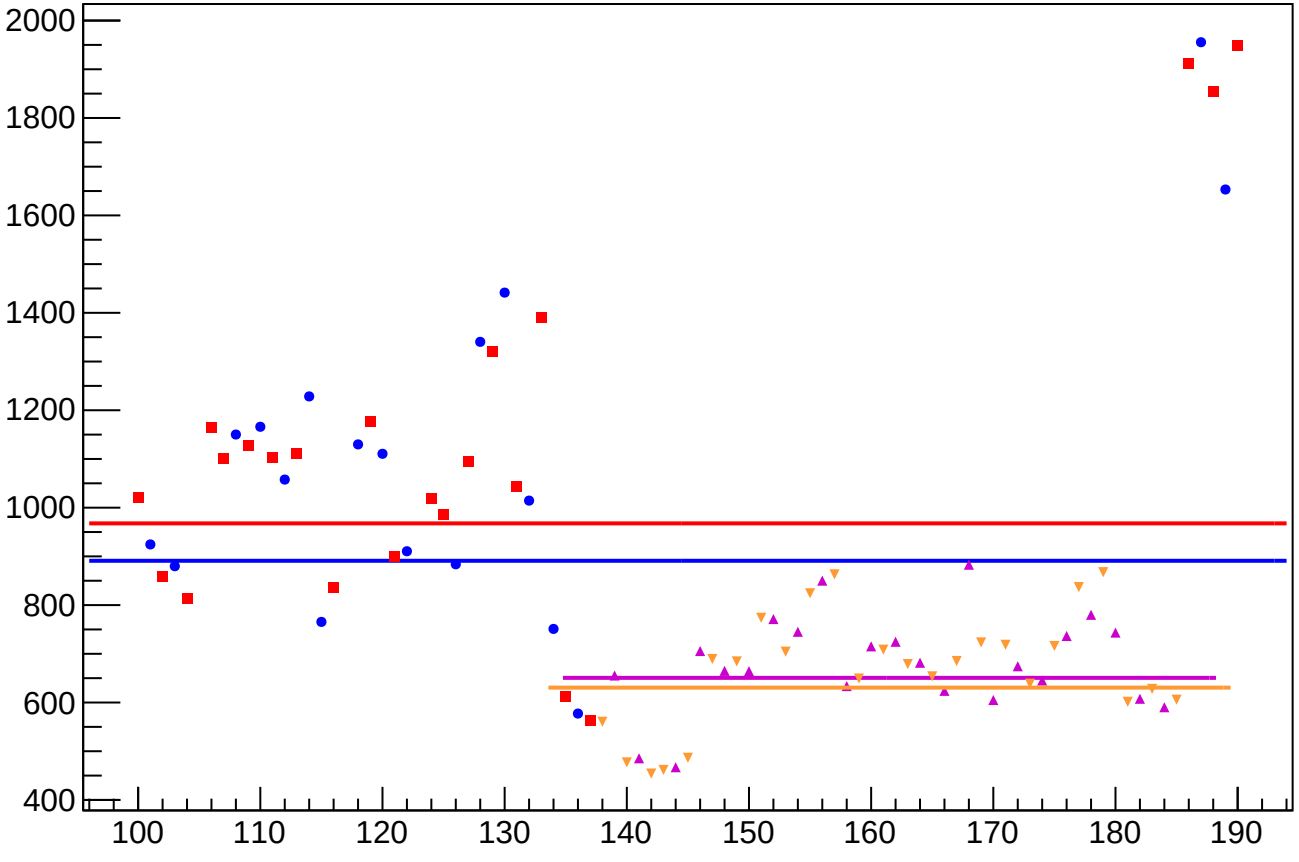
Right: -24.577+/-236.390 χ^2/NDF: 39.3/39

In: 28.407+/-139.873 χ^2/NDF:47.8/40

Out: 269.388+/-134.281 χ^2/NDF:64.4/46

All: 153.811+/-96.867 χ^2/NDF: 113.8/87

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 890.978+/-0.235 χ^2/NDF: 1363615.4/17

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 967.747+/-0.238 χ^2/NDF: 1708356.0/21

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

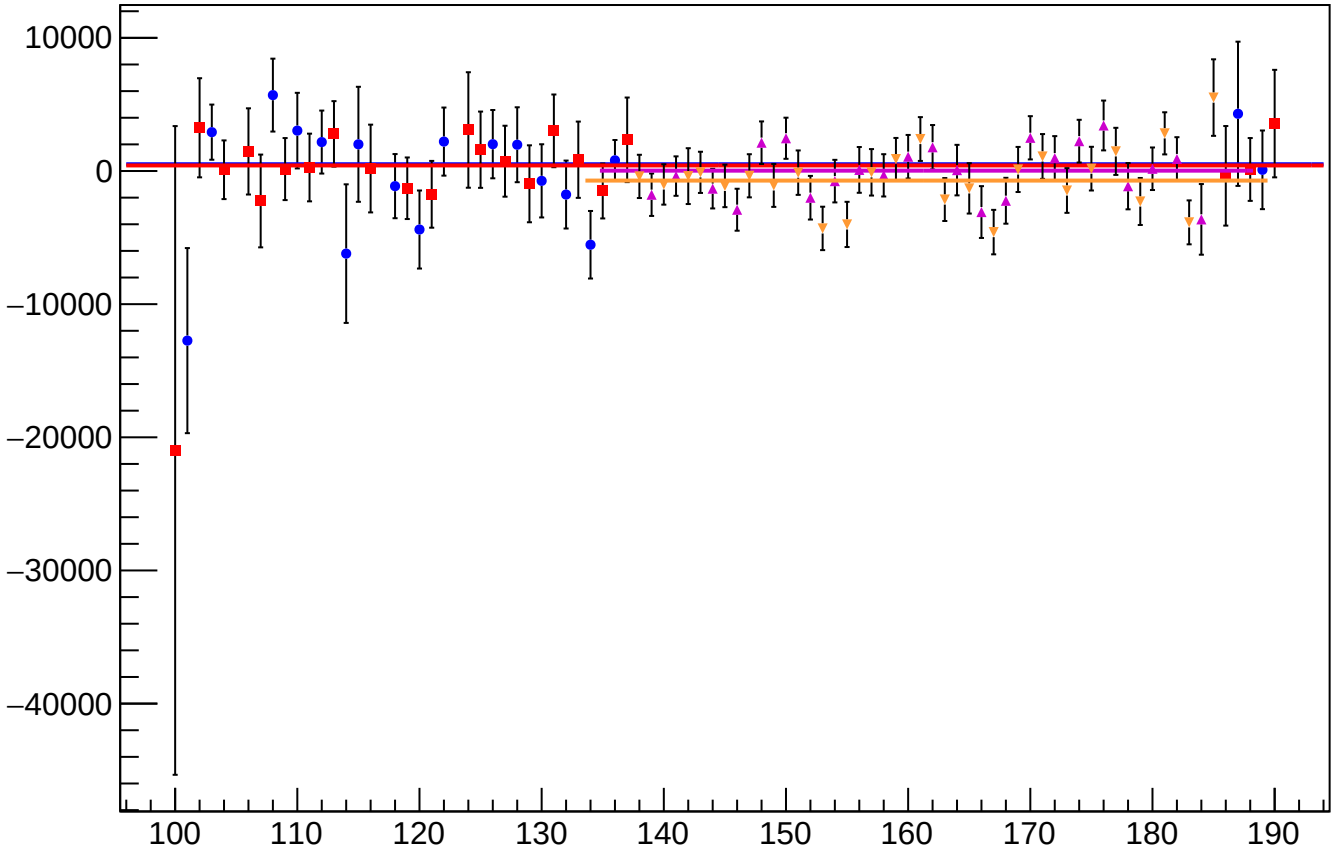
Right: 928.836+/-0.167 χ^2/NDF: 3124693.4/39

In: 693.288+/-0.099 χ^2/NDF:3147630.0/40

Out: 684.242+/-0.095 χ^2/NDF:4724027.2/46

All: 688.581+/-0.068 χ^2/NDF: 7876010.3/87

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 507.708+/-629.804 χ^2/NDF: 23.2/17

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 418.866+/-604.263 χ^2/NDF: 7.9/21

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

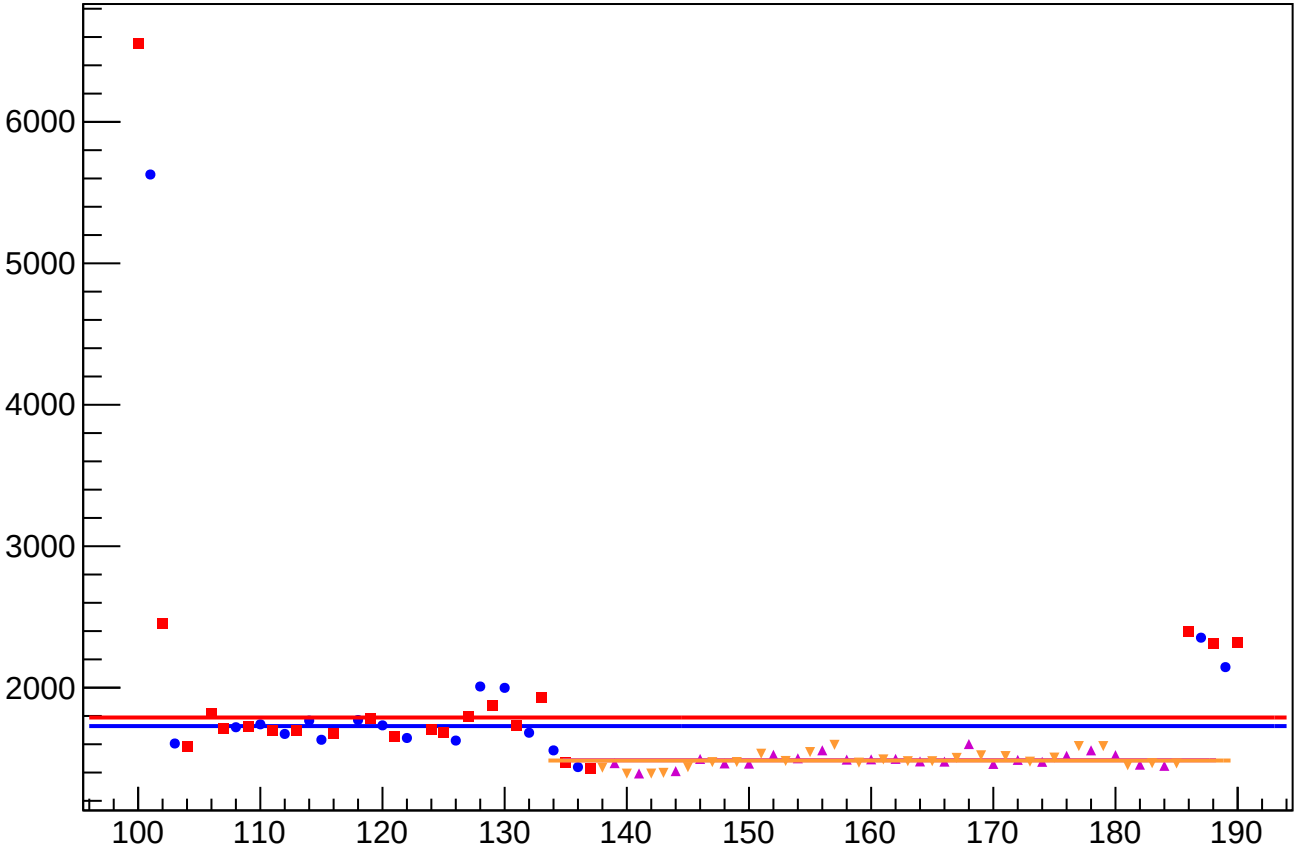
Right: 461.449+/-436.028 χ^2/NDF: 31.1/39

In: 139.543+/-304.202 χ^2/NDF:51.6/40

Out: -447.803+/-294.707 χ^2/NDF:48.4/46

All: -163.439+/-211.666 χ^2/NDF: 101.9/87

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1728.452+/-0.445 χ^2/NDF: 832595.9/17

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1789.151+/-0.427 χ^2/NDF: 443286.5/21

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

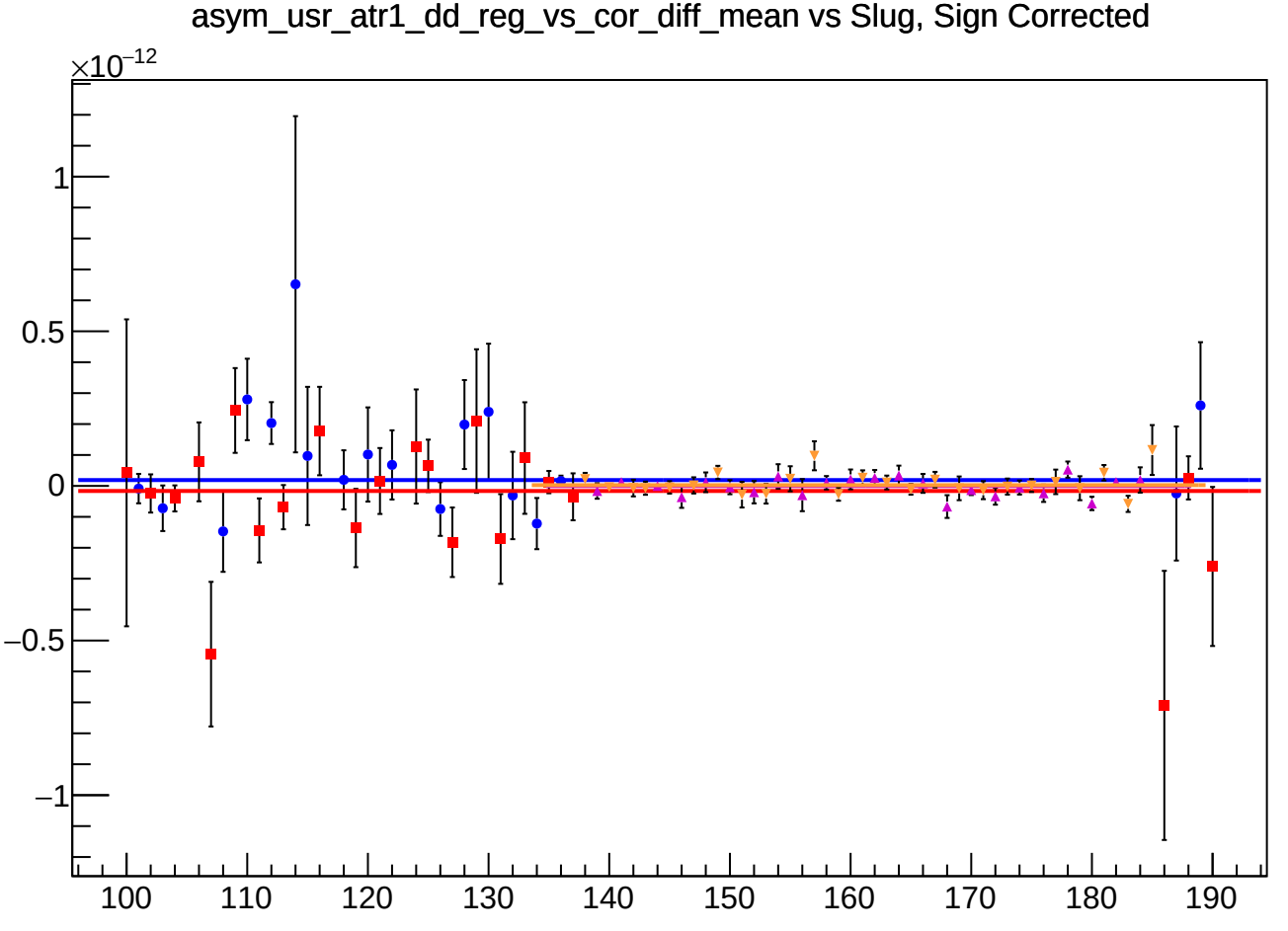
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1760.057+/-0.308 χ^2/NDF: 1285555.3/39

In: 1543.416+/-0.215 χ^2/NDF:1092578.8/40

Out: 1557.316+/-0.208 χ^2/NDF:880471.6/46

All: 1550.587+/-0.150 χ^2/NDF: 1975204.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/21

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

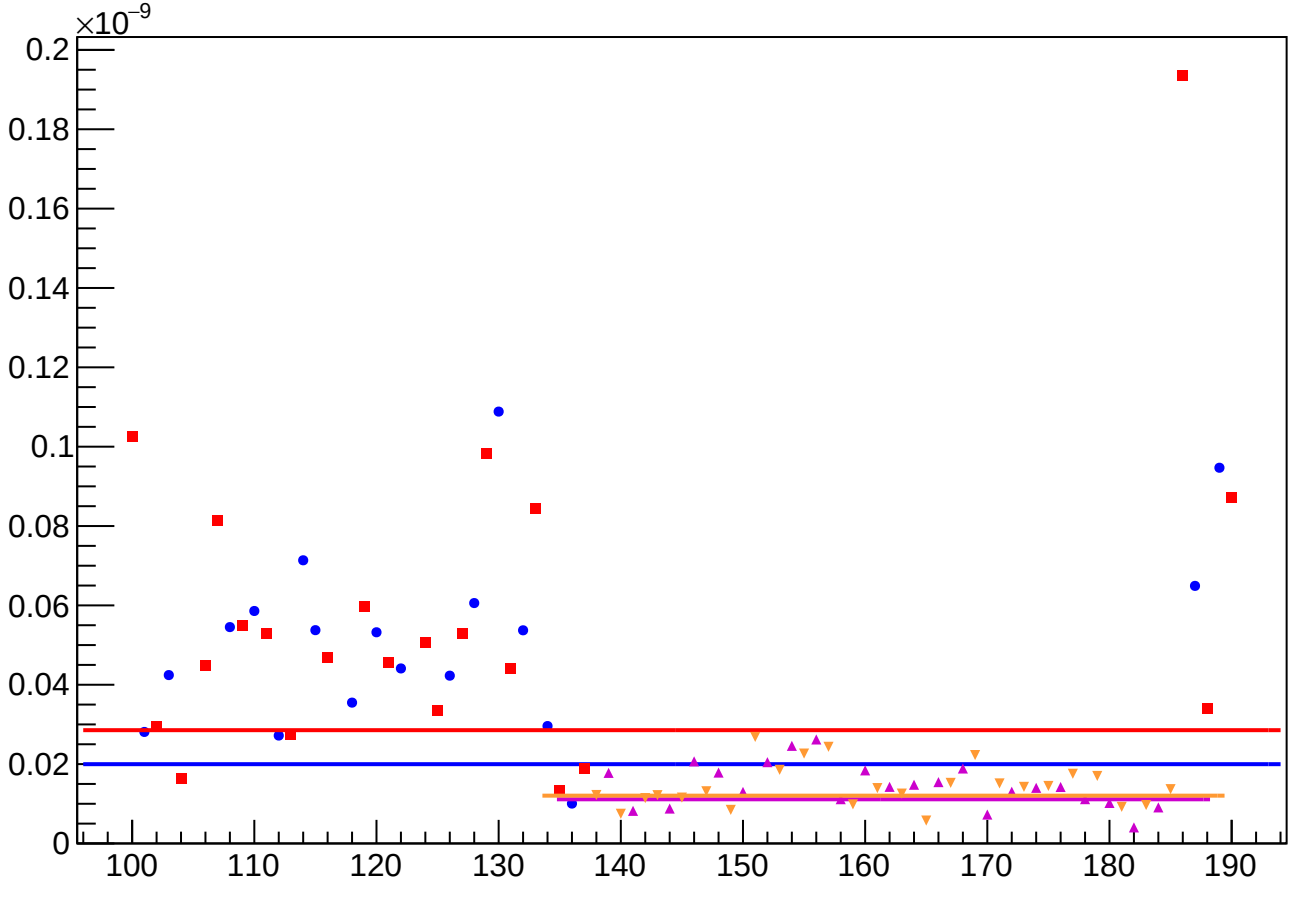
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 52.4/39

In: 0.000+/-0.000 χ^2/NDF:51.5/40

Out: 0.000+/-0.000 χ^2/NDF:51.5/46

All: 0.000+/-0.000 χ^2/NDF: 103.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 2630155.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2059689.8/21

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

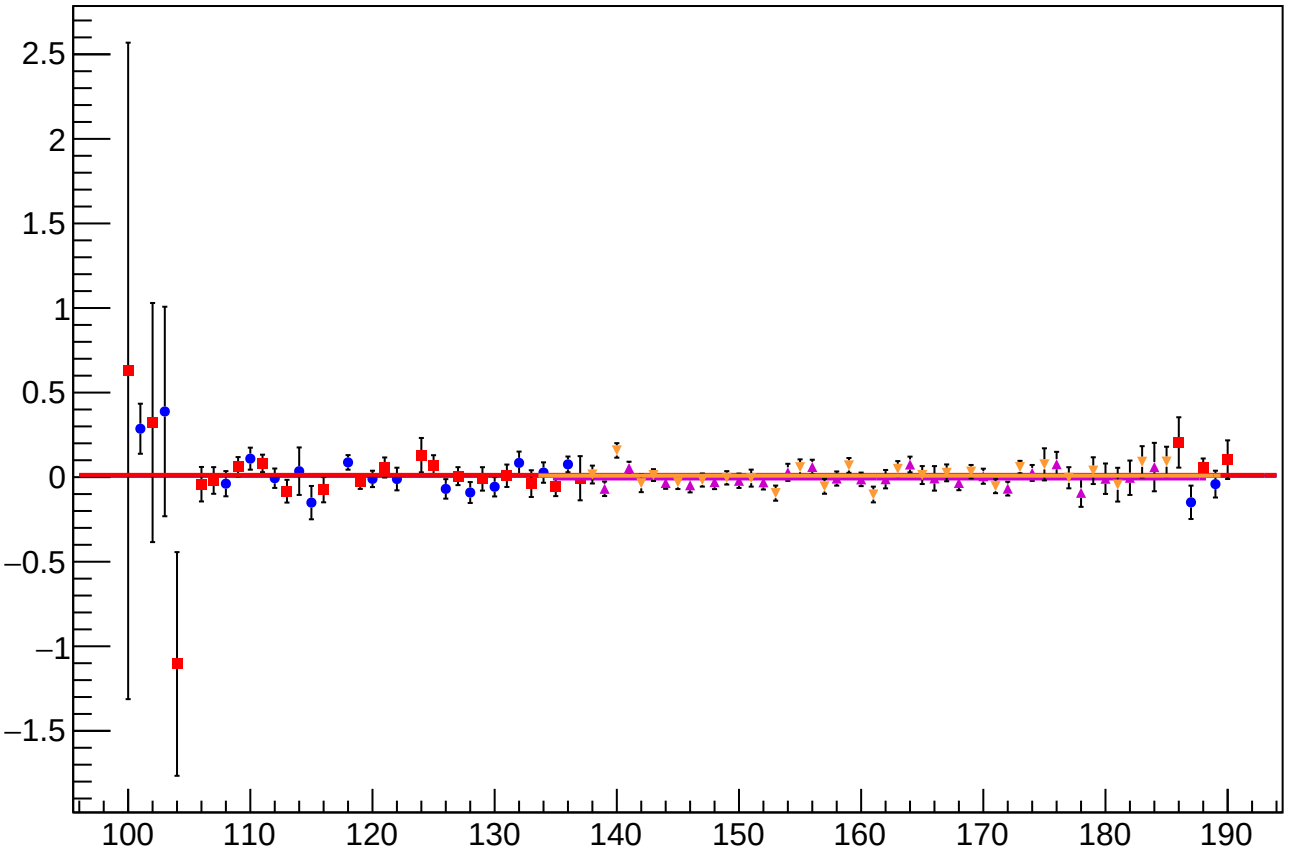
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 4960908.9/39

In: 0.000+/-0.000 χ^2/NDF:5527083.7/40

Out: 0.000+/-0.000 χ^2/NDF:5084926.5/46

All: 0.000+/-0.000 χ^2/NDF: 10670117.9/87



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

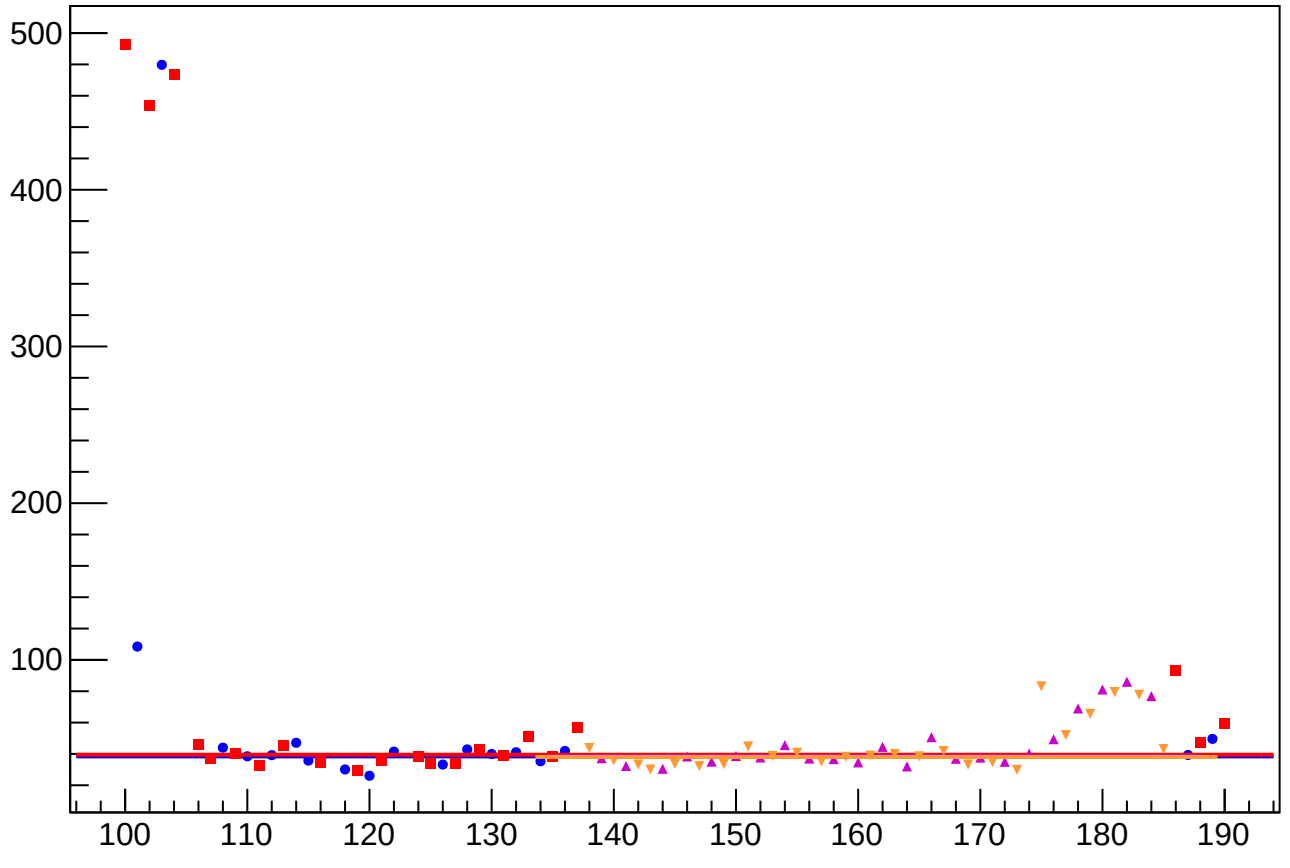
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 43.4/39

In: -0.003+/-0.008 χ^2/NDF:44.8/40

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.004+/-0.006 χ^2/NDF: 103.0/87



Right In: 38.417+/-0.011 χ^2/NDF: 1781353.5/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

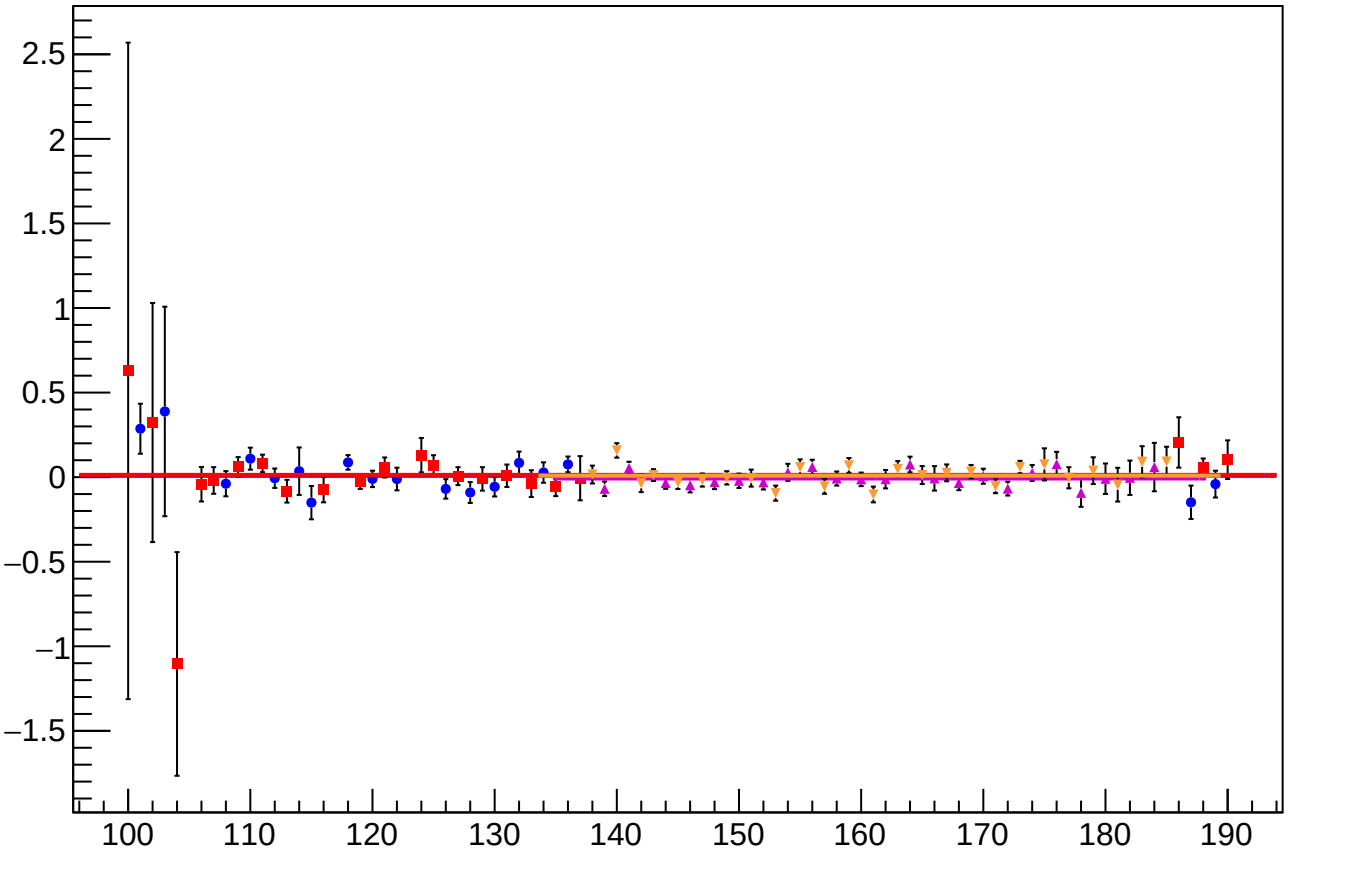
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.958+/-0.008 χ^2/NDF: 4124399.8/39

In: 38.567+/-0.006 χ^2/NDF:3509288.6/40

Out: 38.471+/-0.006 χ^2/NDF:4317770.0/46

All: 38.518+/-0.004 χ^2/NDF: 7827196.1/87



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

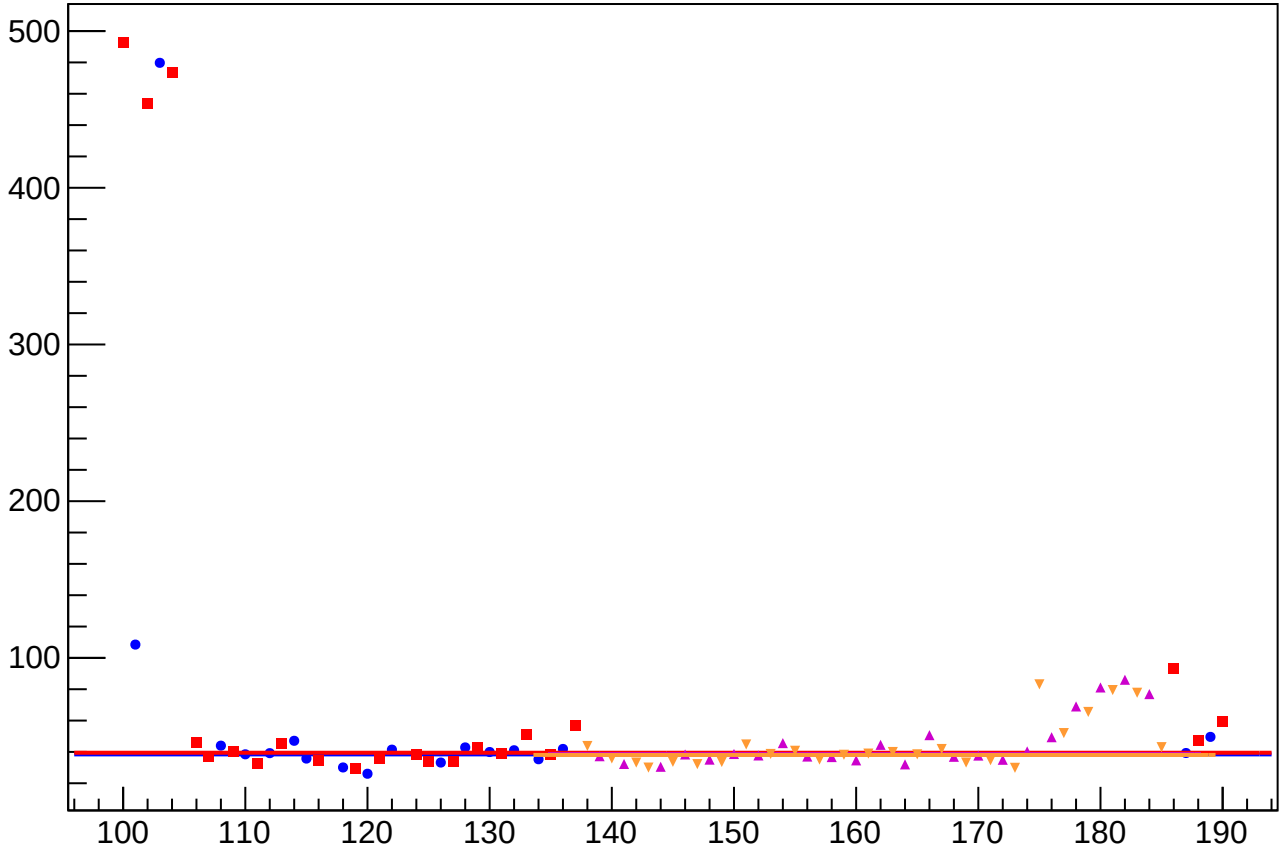
Right: 0.011+/-0.011 χ^2/NDF: 43.4/39

In: -0.003+/-0.008 χ^2/NDF:44.8/40

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.004+/-0.006 χ^2/NDF: 103.0/87

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.417+/-0.011 χ^2/NDF: 1781353.5/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

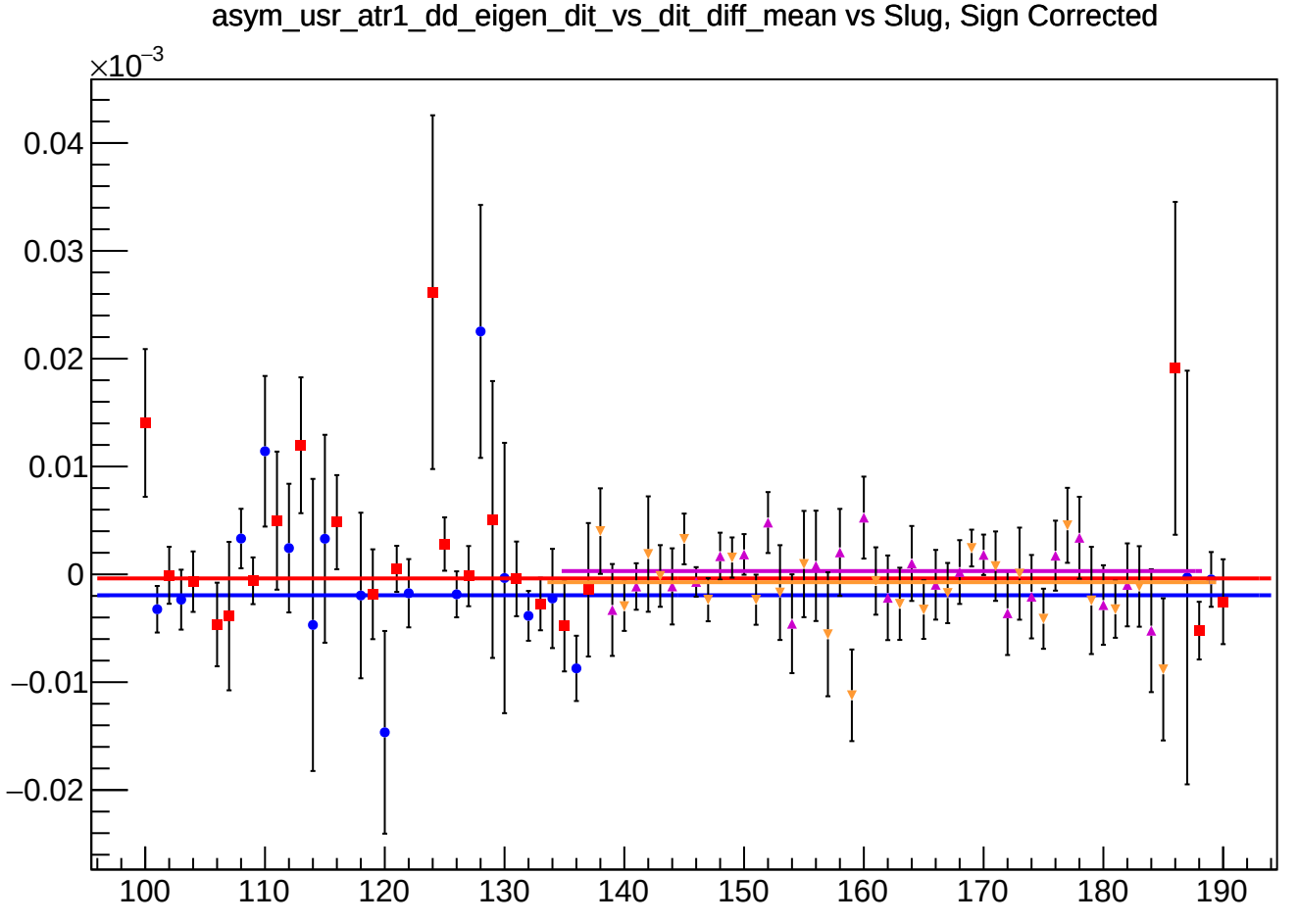
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.958+/-0.008 χ^2/NDF: 4124399.8/39

In: 38.567+/-0.006 χ^2/NDF:3509288.6/40

Out: 38.471+/-0.006 χ^2/NDF:4317770.0/46

All: 38.518+/-0.004 χ^2/NDF: 7827196.1/87



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/21

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

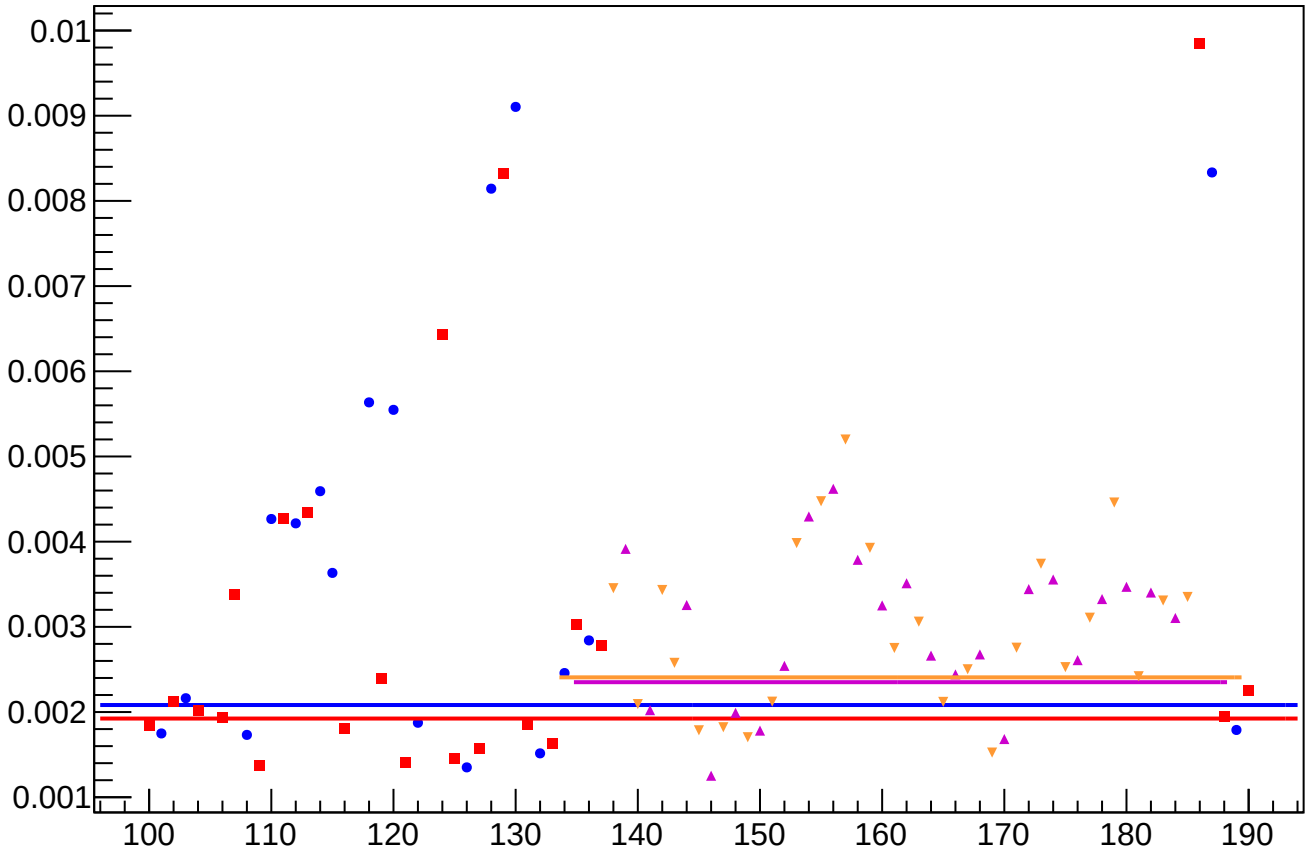
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

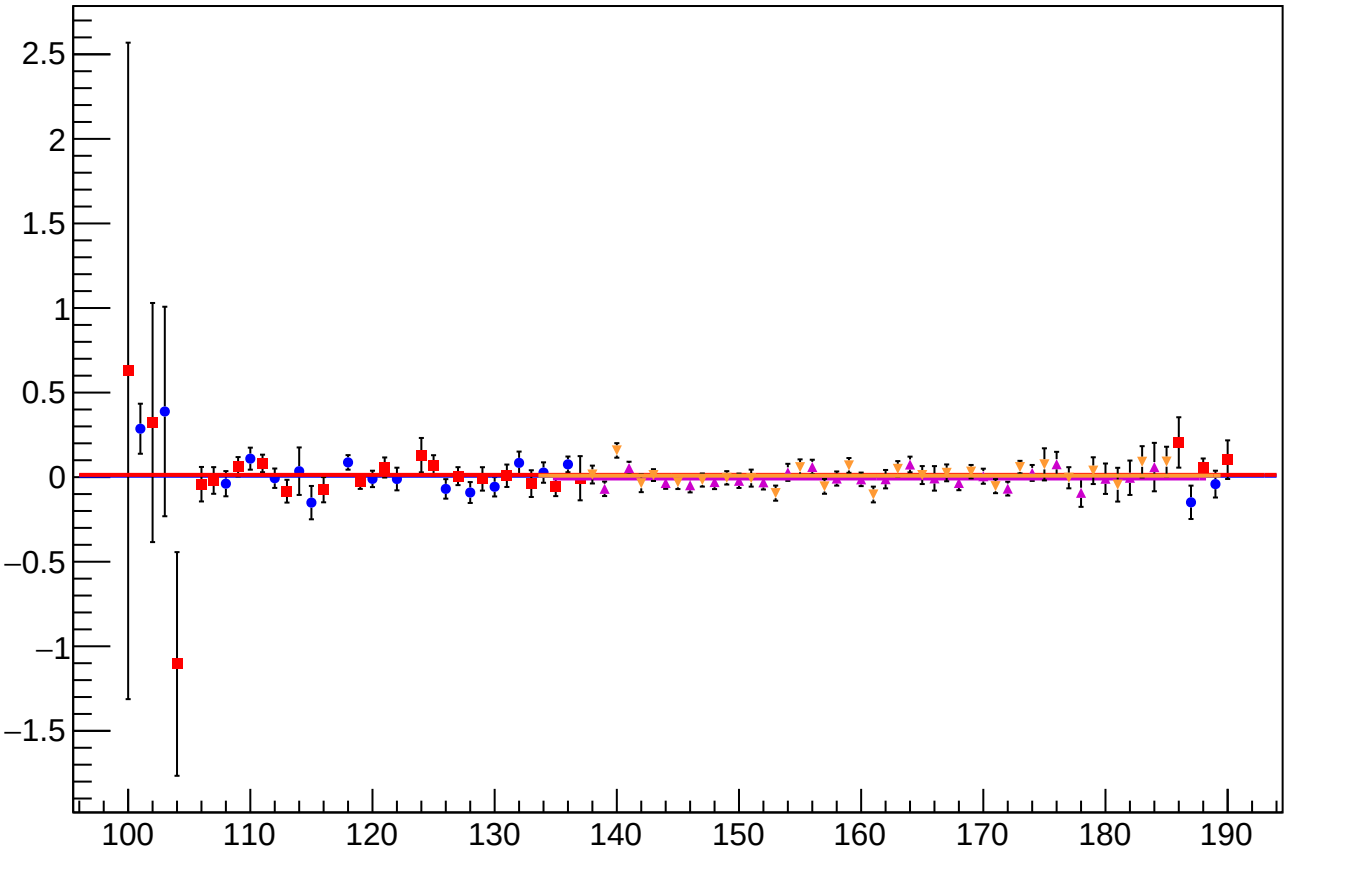
Right: -0.000+/-0.000 χ^2/NDF: 46.6/39

In: -0.000+/-0.000 χ^2/NDF:39.3/40

Out: -0.000+/-0.000 χ^2/NDF:50.6/46

All: -0.000+/-0.000 χ^2/NDF: 89.9/87


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3257876.7/17
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 2437739.4/21
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
Left: 0.002+/-0.000 χ²/NDF: 8130379.7/47
Right: 0.002+/-0.000 χ²/NDF: 5735530.6/39
In: 0.002+/-0.000 χ²/NDF:7830749.6/40
Out: 0.002+/-0.000 χ²/NDF:6645037.3/46
All: 0.002+/-0.000 χ²/NDF: 14482683.4/87



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

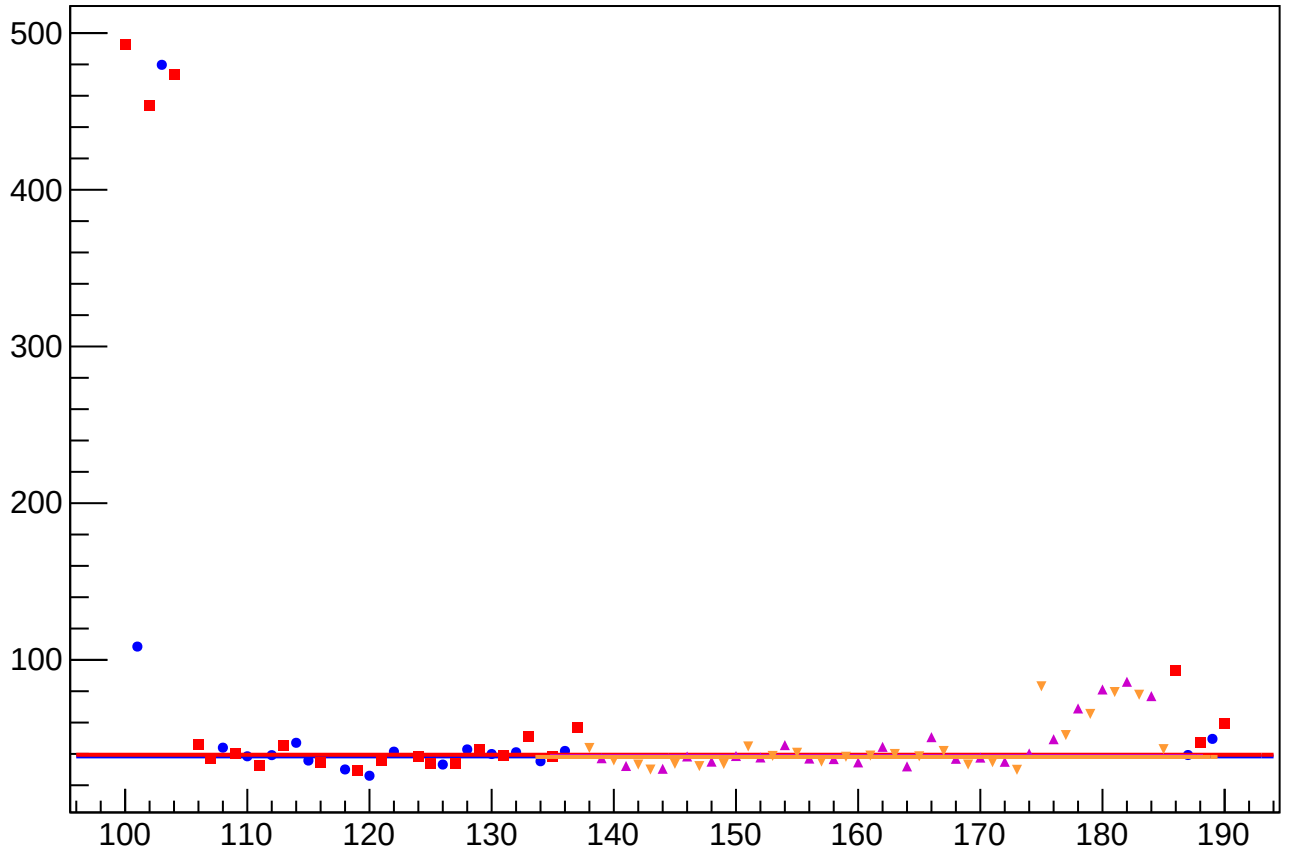
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 43.4/39

In: -0.003+/-0.008 χ^2/NDF:44.8/40

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.004+/-0.006 χ^2/NDF: 103.0/87



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

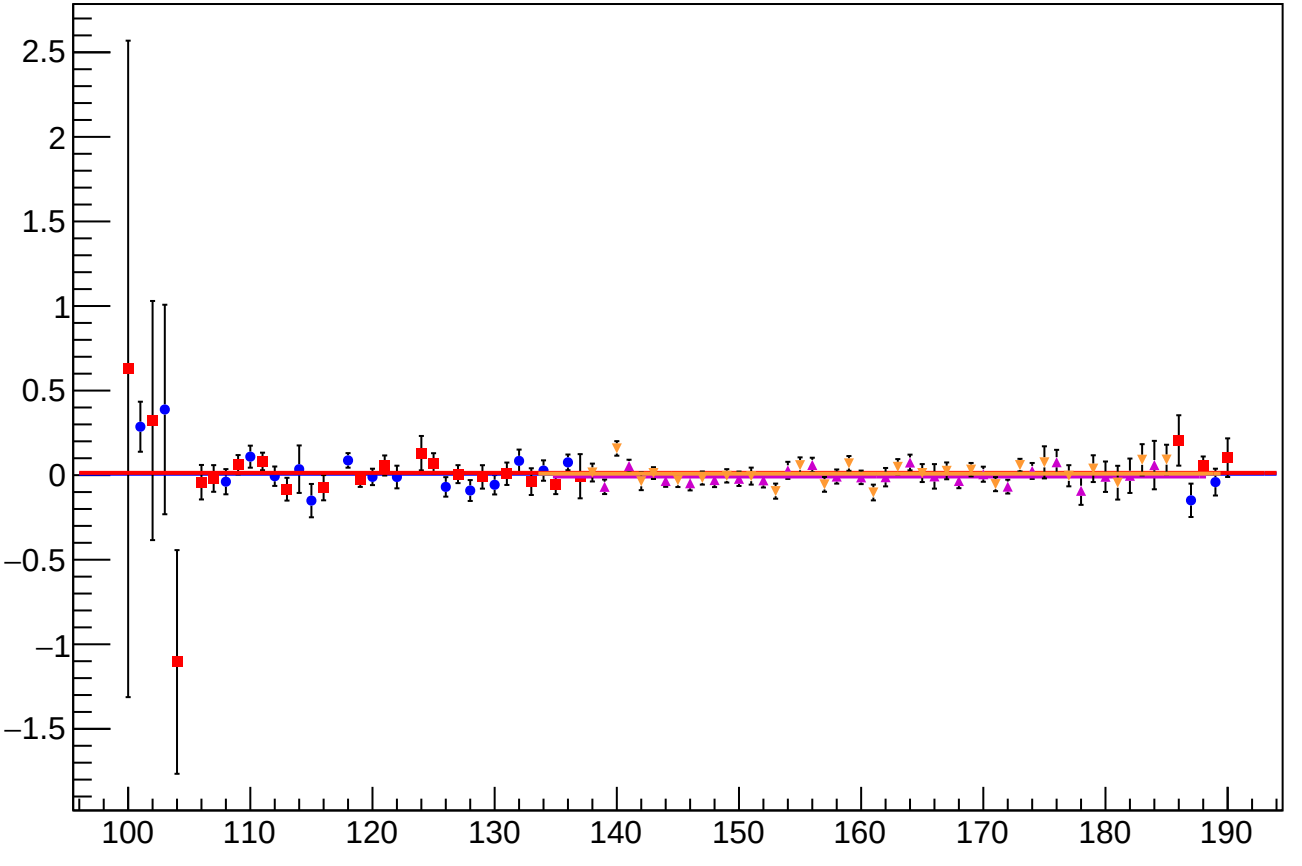
Right: 38.957+/-0.008 χ^2/NDF: 4124502.2/39

In: 38.567+/-0.006 χ^2/NDF:3509338.0/40

Out: 38.471+/-0.006 χ^2/NDF:4317840.0/46

All: 38.517+/-0.004 χ^2/NDF: 7827315.8/87

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

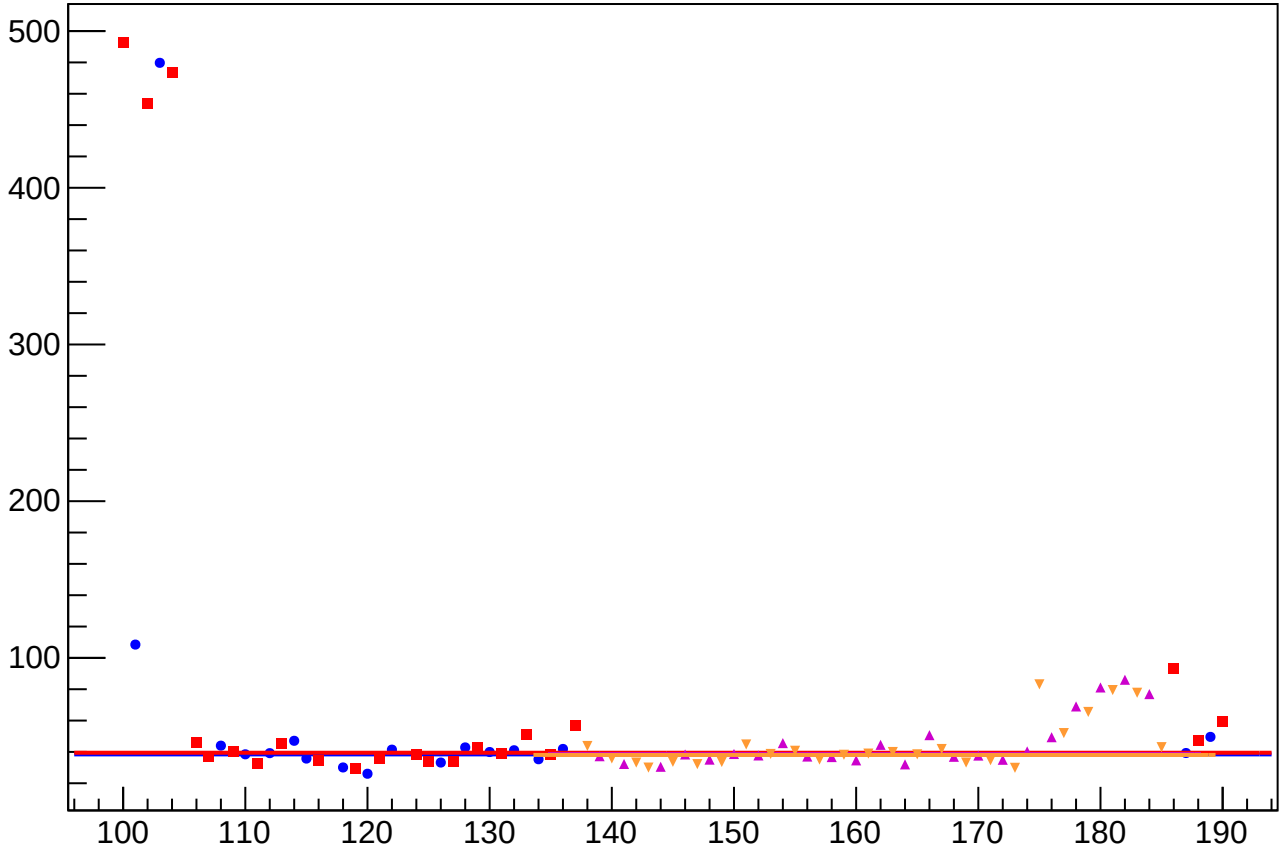
Right: 0.011+/-0.011 χ^2/NDF: 43.4/39

In: -0.003+/-0.008 χ^2/NDF:44.8/40

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.004+/-0.006 χ^2/NDF: 103.0/87

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

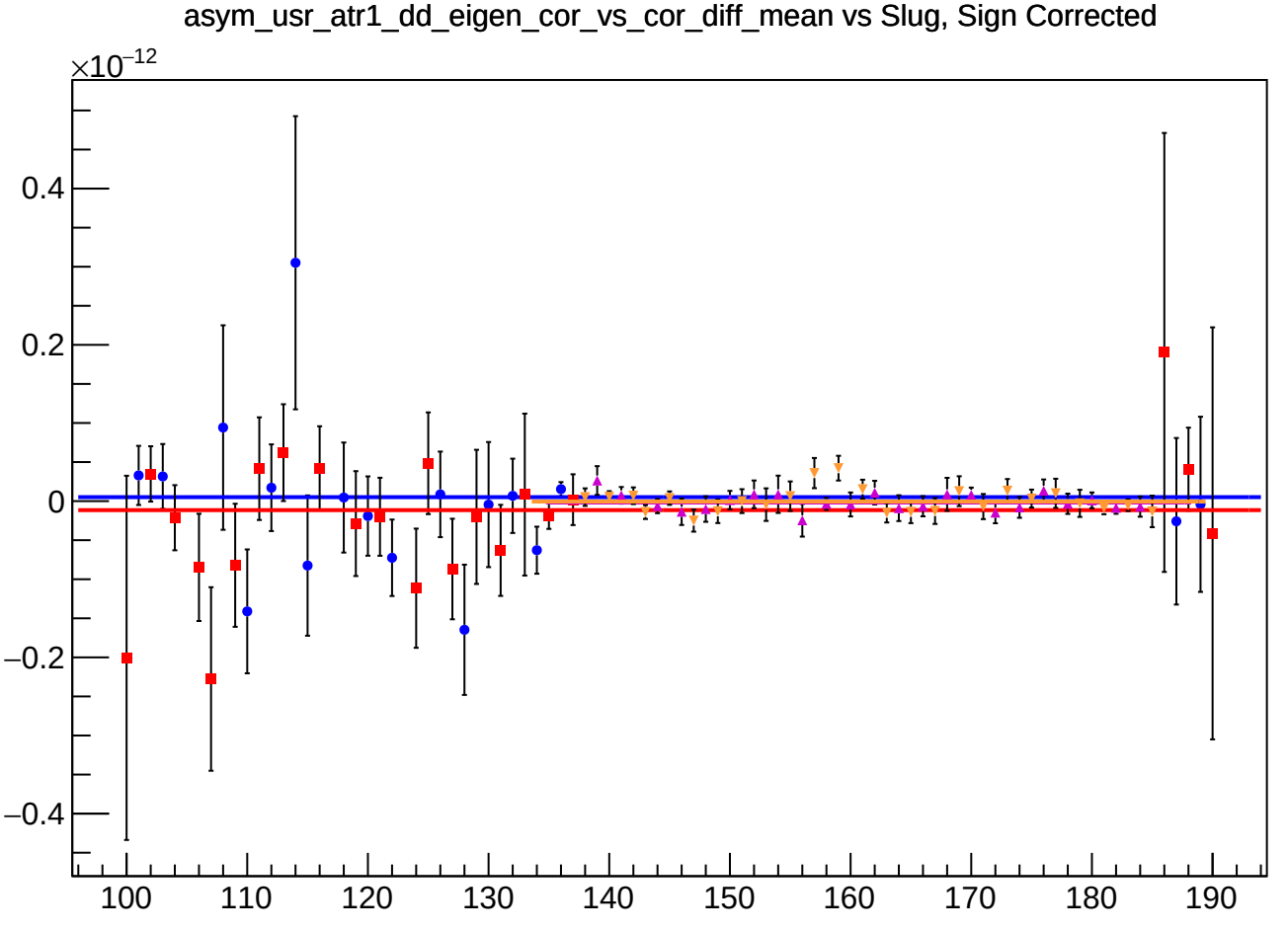
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

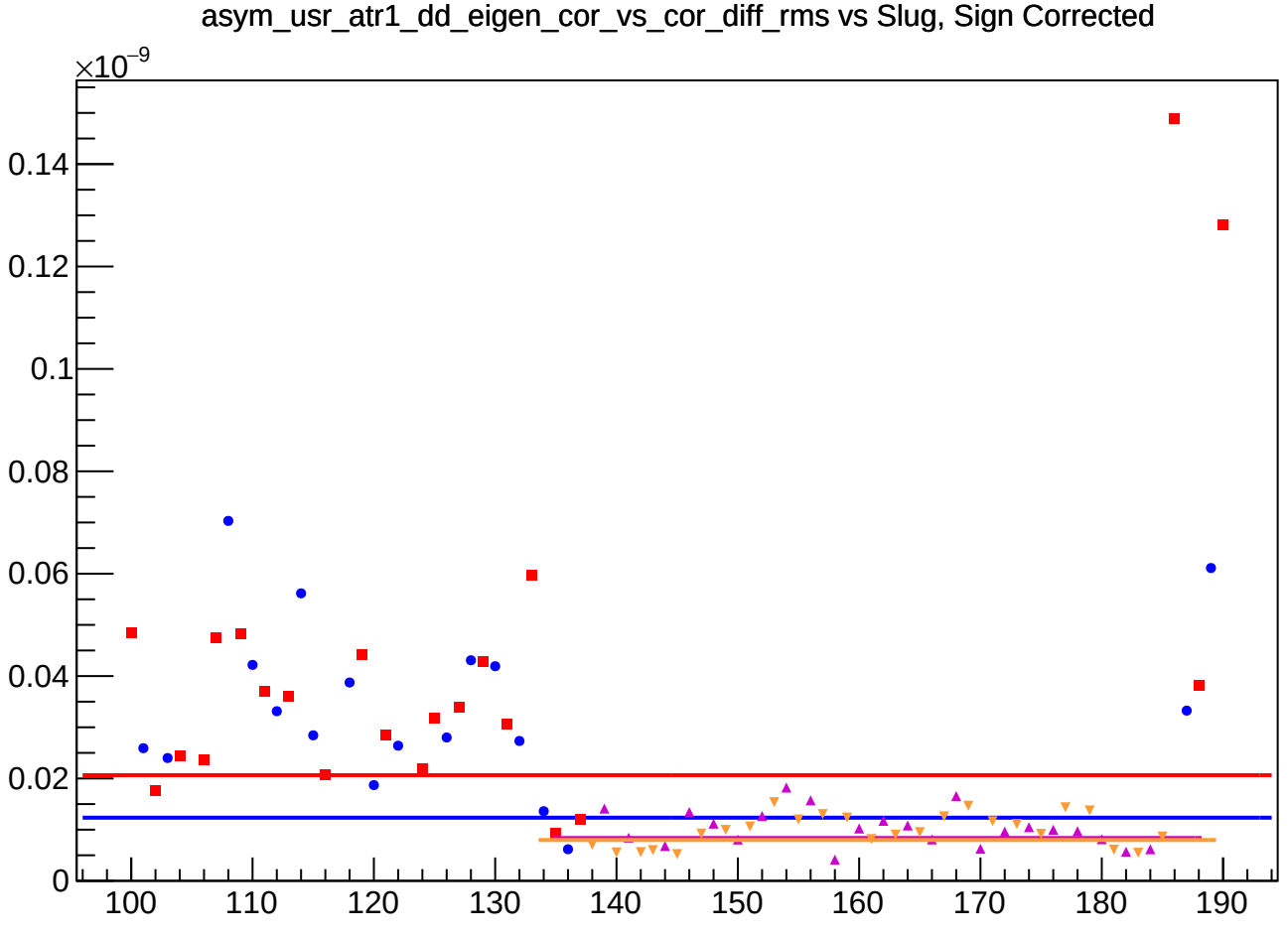
Right: 38.957+/-0.008 χ^2/NDF: 4124502.2/39

In: 38.567+/-0.006 χ^2/NDF:3509338.0/40

Out: 38.471+/-0.006 χ^2/NDF:4317840.0/46

All: 38.517+/-0.004 χ^2/NDF: 7827315.8/87


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.8/17
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.5/21
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: 41.0/39
In: -0.000+/-0.000 χ²/NDF:34.1/40
Out: -0.000+/-0.000 χ²/NDF:45.5/46
All: -0.000+/-0.000 χ²/NDF: 79.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 4328556.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3605359.1/21

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

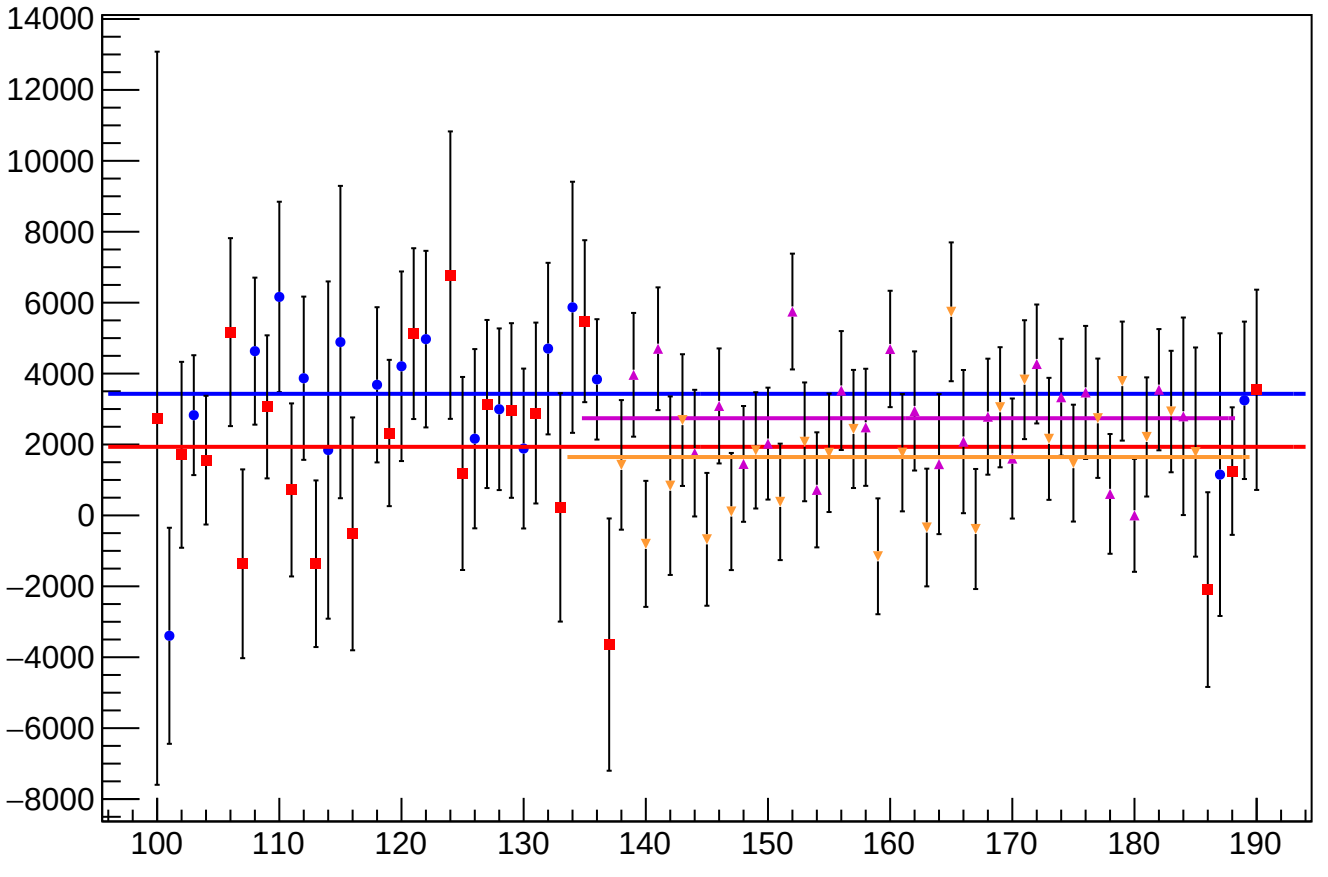
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8775682.7/39

In: 0.000+/-0.000 χ^2/NDF:7612126.0/40

Out: 0.000+/-0.000 χ^2/NDF:9277936.9/46

All: 0.000+/-0.000 χ^2/NDF: 16894432.3/87



Right In: 3429.109+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.973+/-537.358 χ^2/NDF: 17.8/21

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

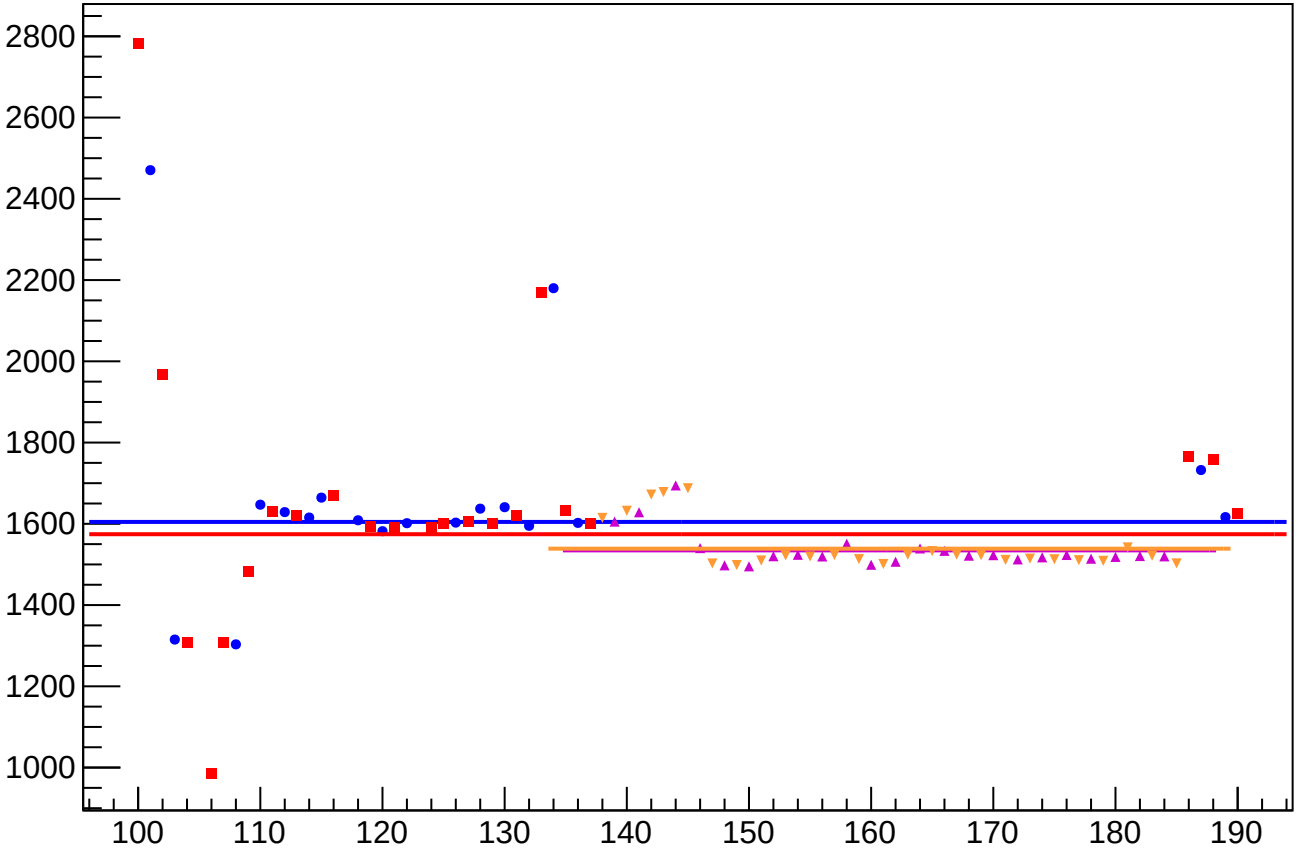
Right: 2632.006+/-392.356 χ^2/NDF: 30.6/39

In: 2933.899+/-304.075 χ^2/NDF:26.6/40

Out: 1731.978+/-293.134 χ^2/NDF:39.0/46

All: 2310.926+/-211.039 χ^2/NDF: 73.8/87

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1604.656+/-0.406 χ^2/NDF: 319604.3/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1574.396+/-0.375 χ^2/NDF: 412647.1/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

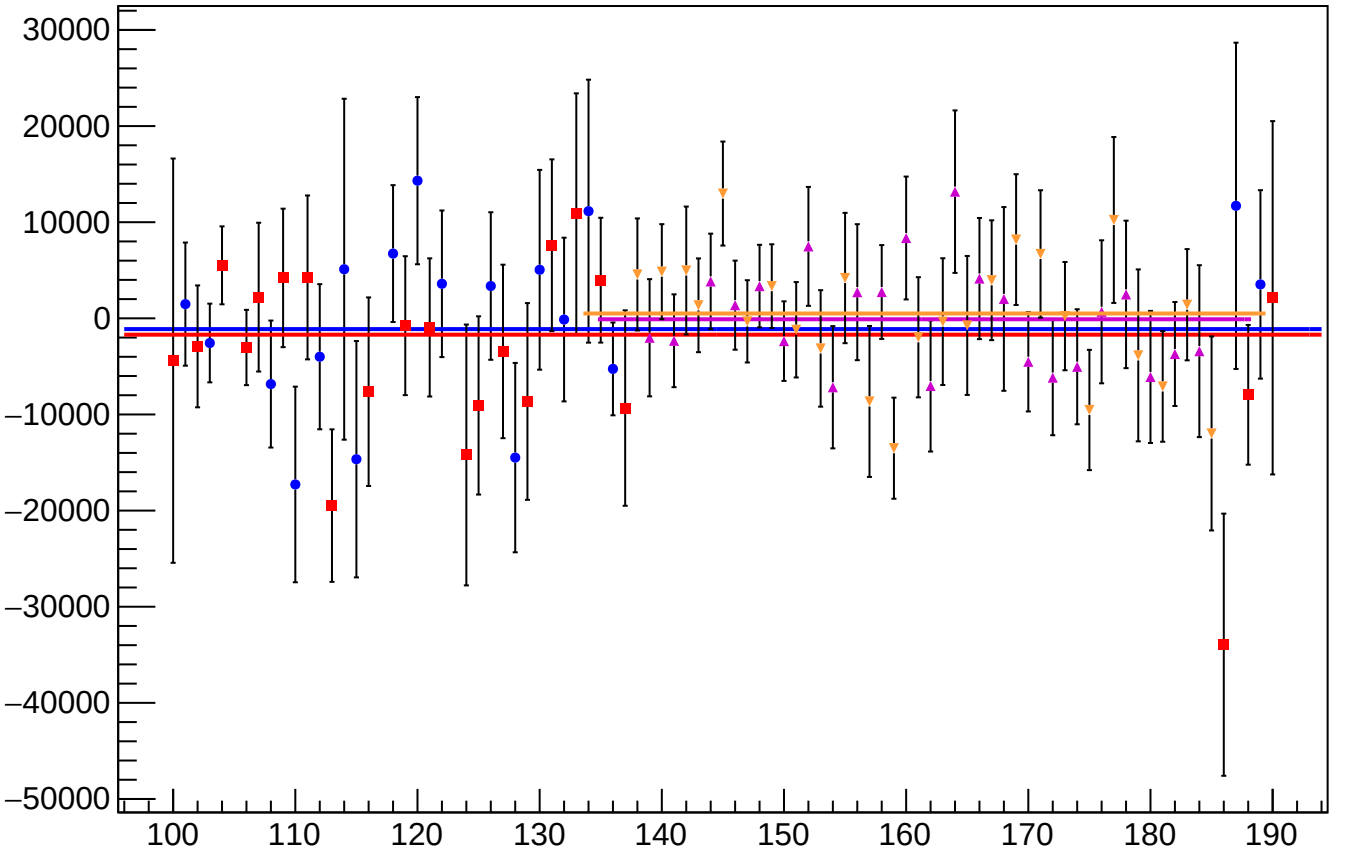
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1588.311+/-0.275 χ^2/NDF: 735251.4/39

In: 1554.255+/-0.215 χ^2/NDF:372137.0/40

Out: 1549.610+/-0.206 χ^2/NDF:465987.1/46

All: 1551.838+/-0.149 χ^2/NDF: 838366.9/87



Right In: -1119.759+/-1805.972 χ^2/NDF: 14.7/17

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1699.882+/-1609.277 χ^2/NDF: 21.9/21

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

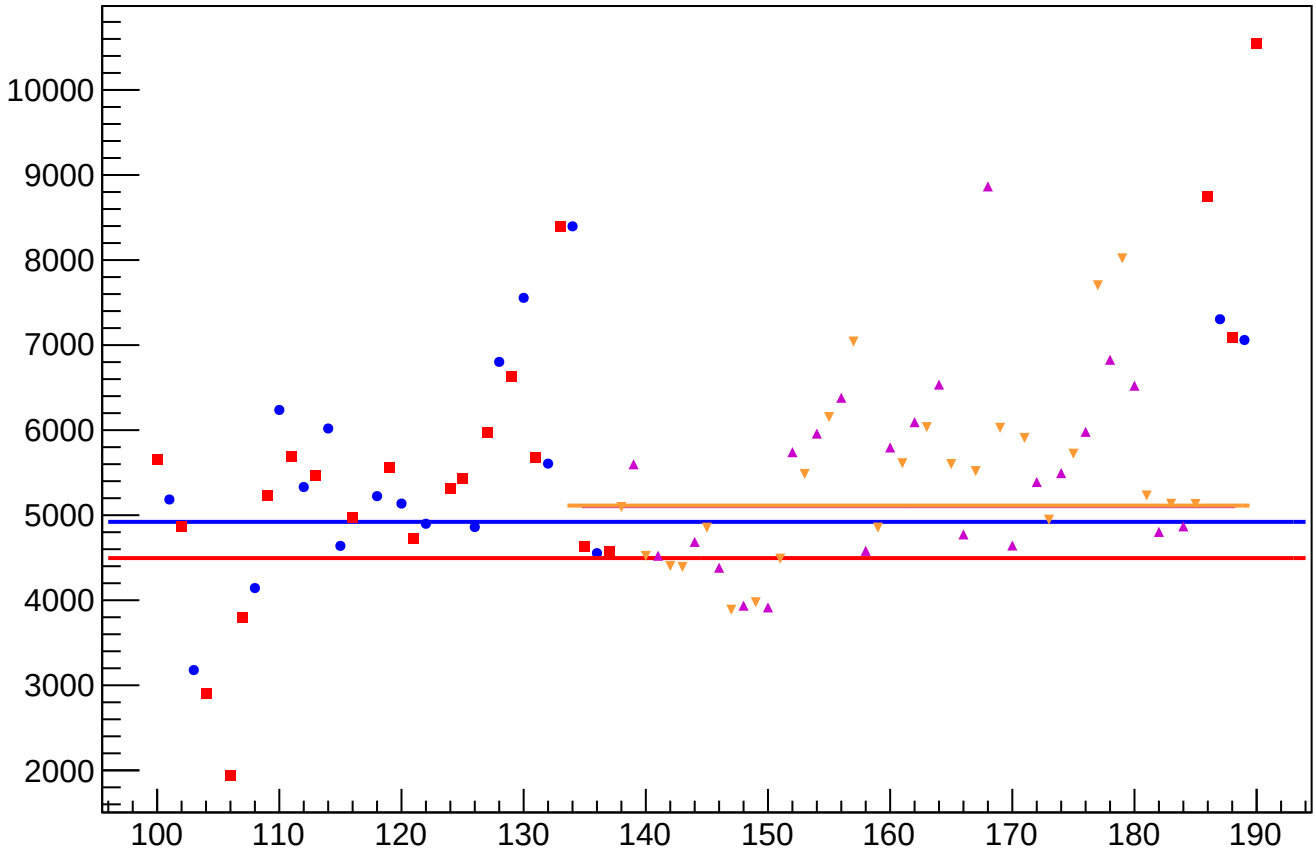
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1443.121+/-1201.477 χ^2/NDF: 36.7/39

In: -417.237+/-1009.568 χ^2/NDF:29.8/40

Out: -272.902+/-955.415 χ^2/NDF:50.0/46

All: -341.095+/-693.935 χ^2/NDF: 79.8/87



Right In: 4921.624+/-1.277 χ^2/NDF: 936394.2/17

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4495.678+/-1.138 χ^2/NDF: 2392704.0/21

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

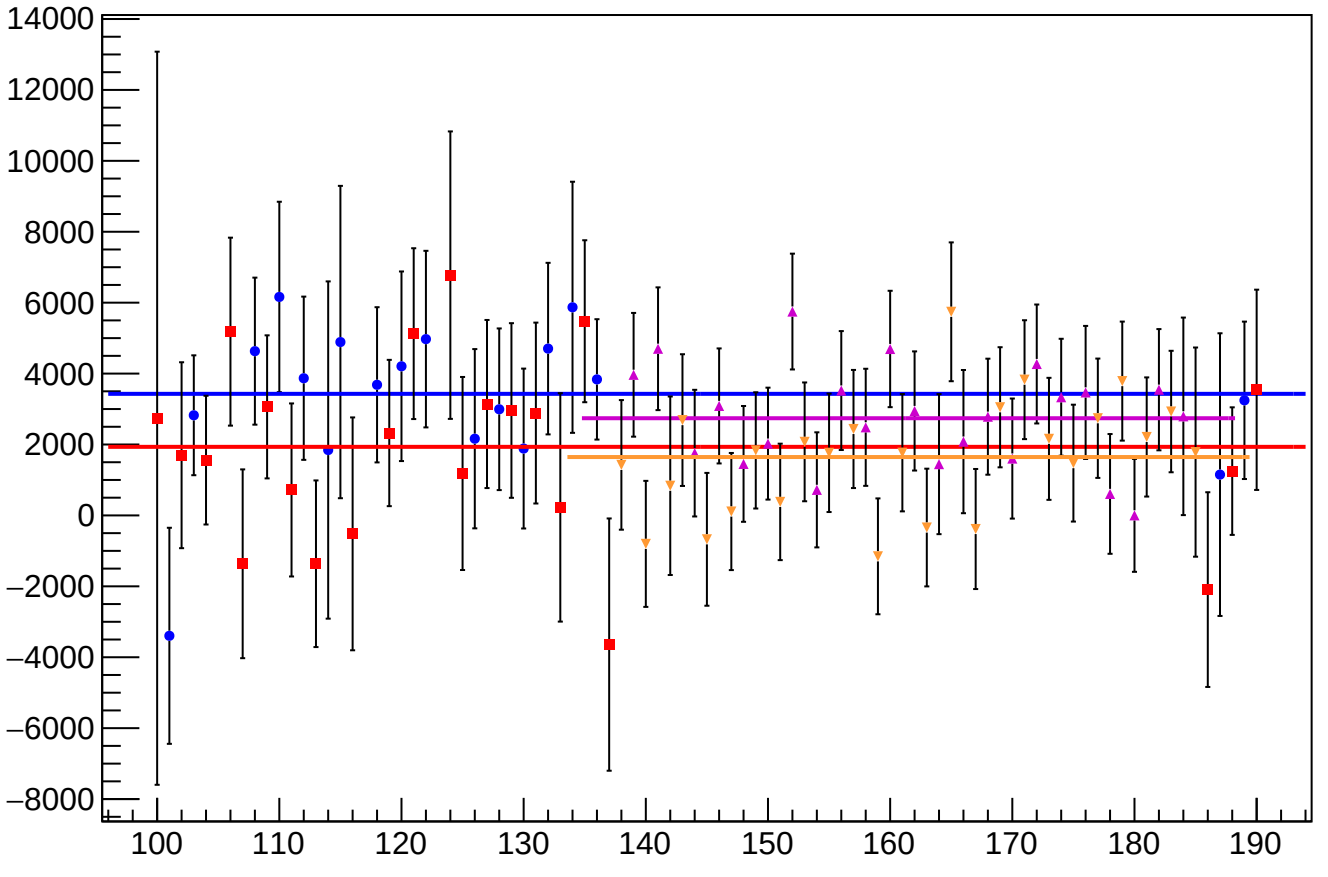
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 4684.200+/-0.850 χ^2/NDF: 3391111.8/39

In: 5048.648+/-0.714 χ^2/NDF:2202408.0/40

Out: 4895.383+/-0.676 χ^2/NDF:3742254.7/46

All: 4967.795+/-0.491 χ^2/NDF: 5968979.2/87



Right In: 3428.822+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.939+/-537.360 χ^2/NDF: 17.8/21

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

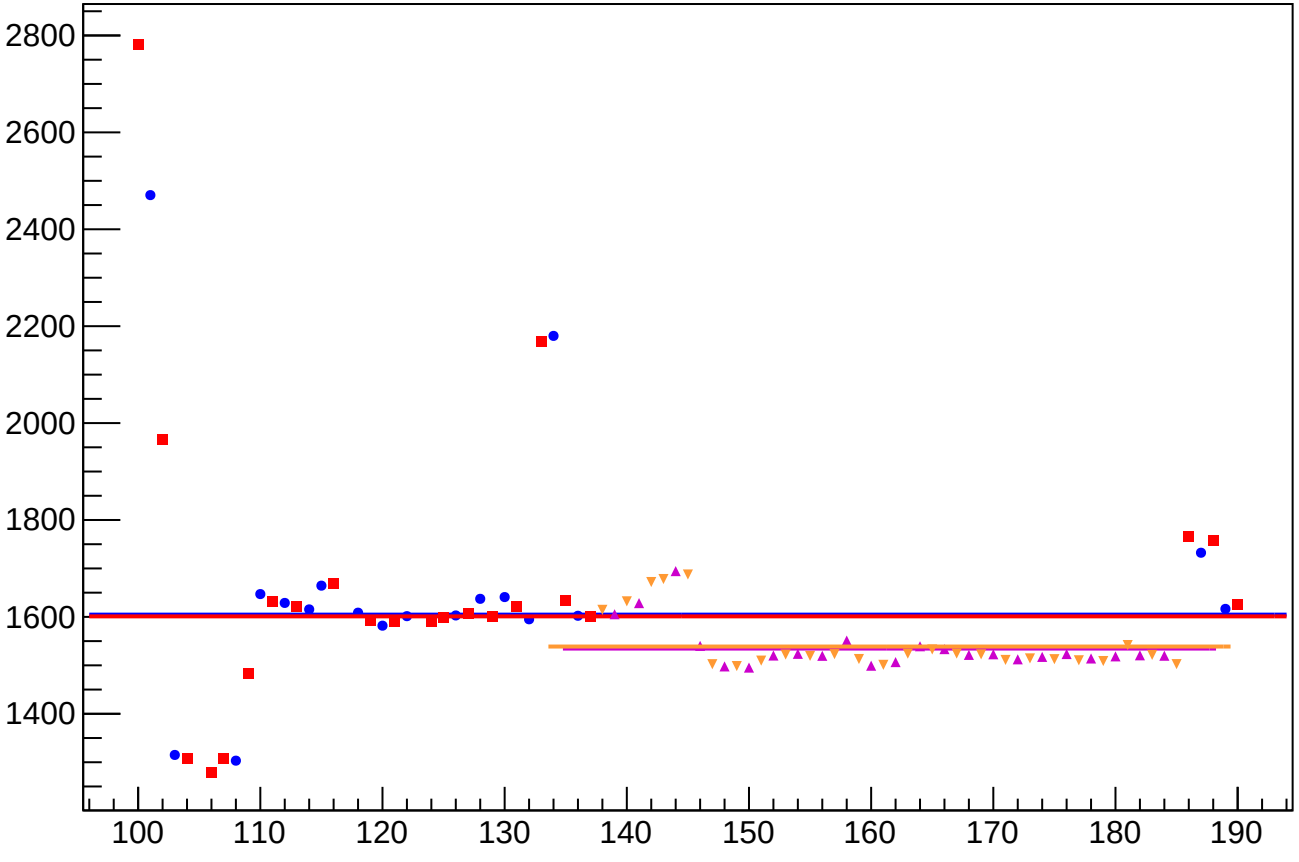
Right: 2631.857+/-392.357 χ^2/NDF: 30.6/39

In: 2933.748+/-304.075 χ^2/NDF:26.6/40

Out: 1731.891+/-293.134 χ^2/NDF:39.0/46

All: 2310.810+/-211.039 χ^2/NDF: 73.8/87

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1604.656+/-0.406 χ^2/NDF: 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

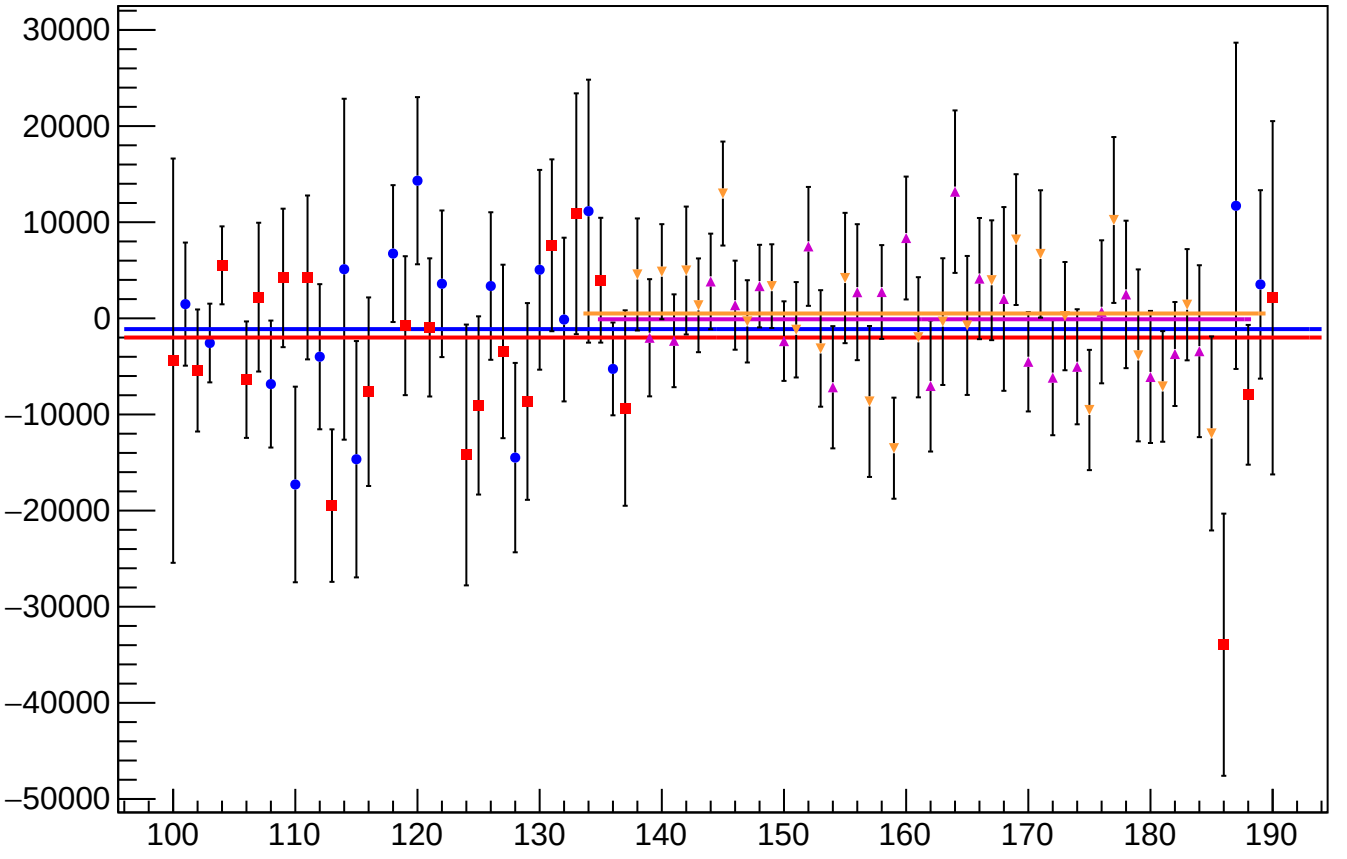
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1602.742+/-0.277 χ^2/NDF: 589303.2/39

In: 1554.255+/-0.215 χ^2/NDF:372136.3/40

Out: 1557.425+/-0.207 χ^2/NDF:335664.4/46

All: 1555.900+/-0.149 χ^2/NDF: 707913.4/87



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -1995.079+/-1694.857 χ^2/NDF: 22.7/21

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

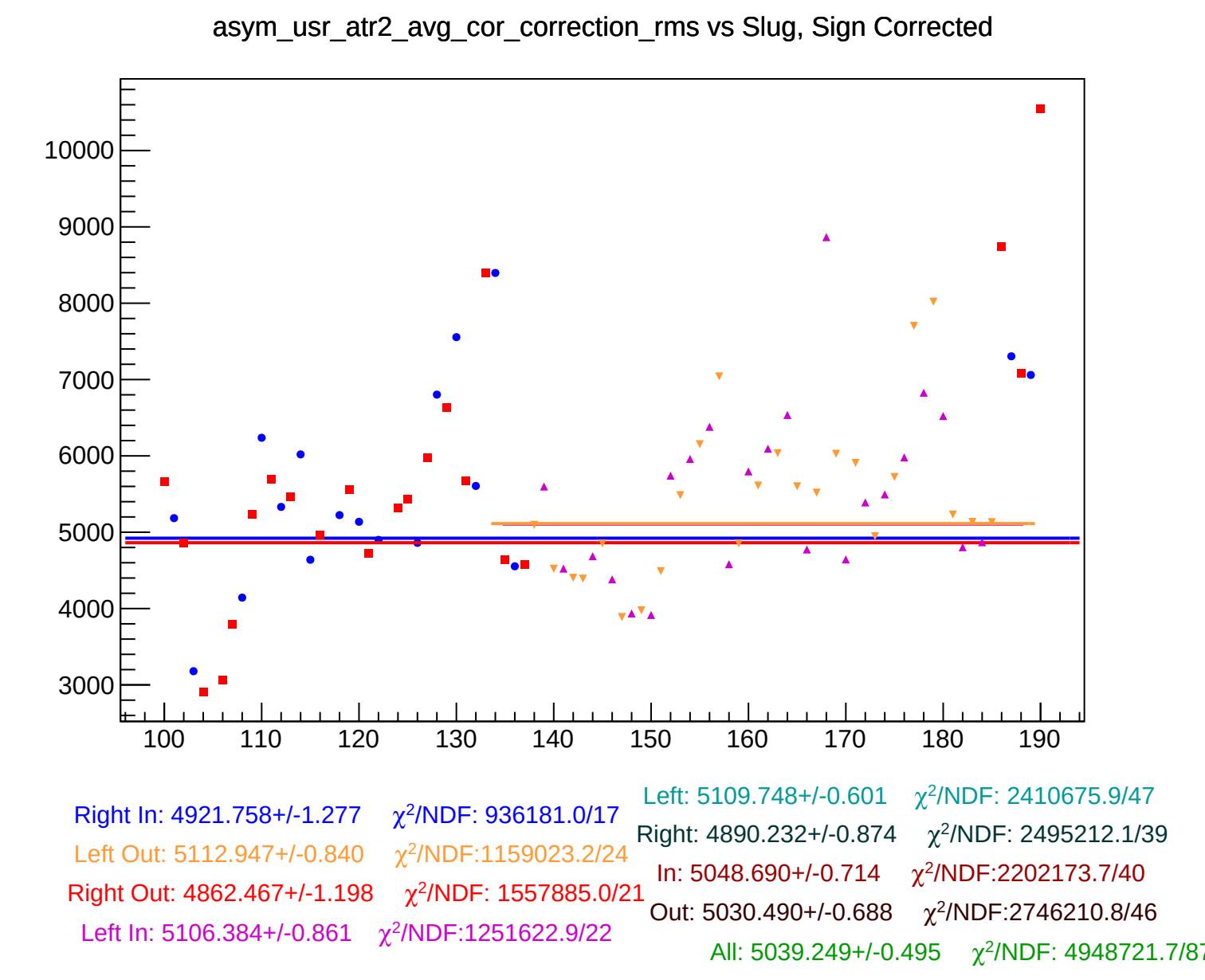
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

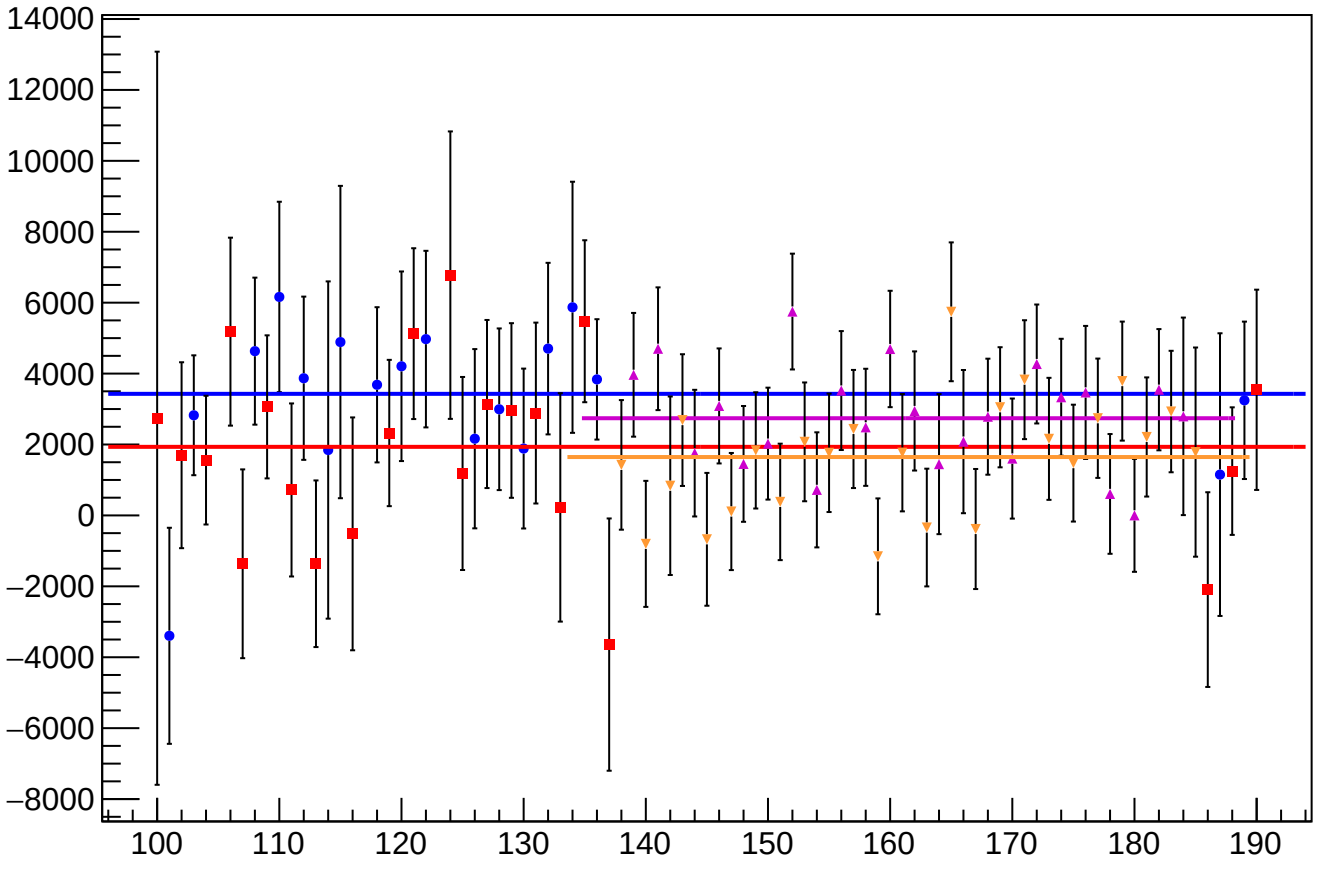
Right: -1585.285+/-1235.872 χ^2/NDF: 37.5/39

In: -417.311+/-1009.574 χ^2/NDF:29.8/40

Out: -318.785+/-972.433 χ^2/NDF:51.0/46

All: -366.203+/-700.376 χ^2/NDF: 80.8/87


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 4921.758+/-1.277 χ²/NDF: 936181.0/17
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 4862.467+/-1.198 χ²/NDF: 1557885.0/21
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4890.232+/-0.874 χ²/NDF: 2495212.1/39
In: 5048.690+/-0.714 χ²/NDF:2202173.7/40
Out: 5030.490+/-0.688 χ²/NDF:2746210.8/46
All: 5039.249+/-0.495 χ²/NDF: 4948721.7/87



Right In: 3428.822+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1933.939+/-537.360 χ^2/NDF: 17.8/21

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

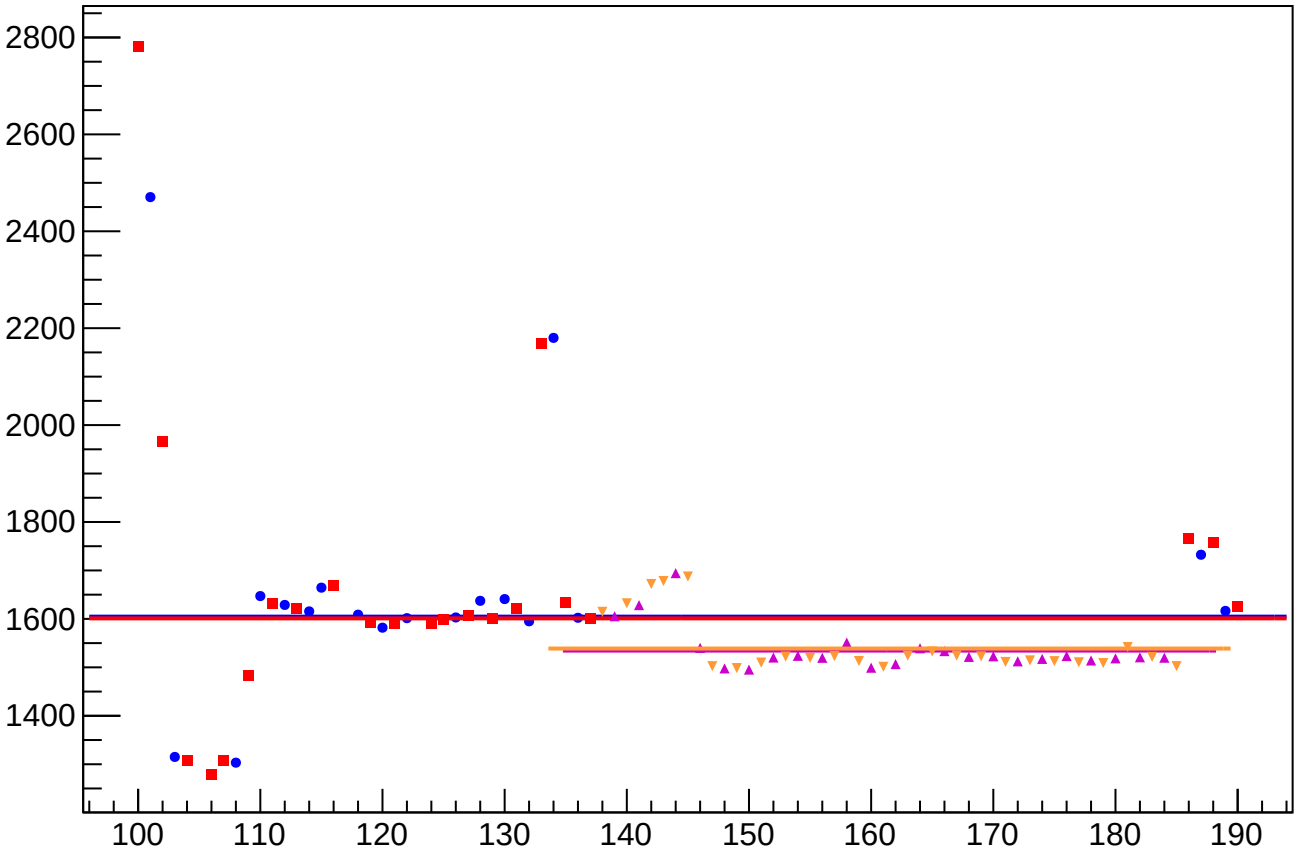
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2631.857+/-392.357 χ^2/NDF: 30.6/39

In: 2933.748+/-304.075 χ^2/NDF:26.6/40

Out: 1731.891+/-293.134 χ^2/NDF:39.0/46

All: 2310.810+/-211.039 χ^2/NDF: 73.8/87



Right In: 1604.656+/-0.406 χ^2/NDF: 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

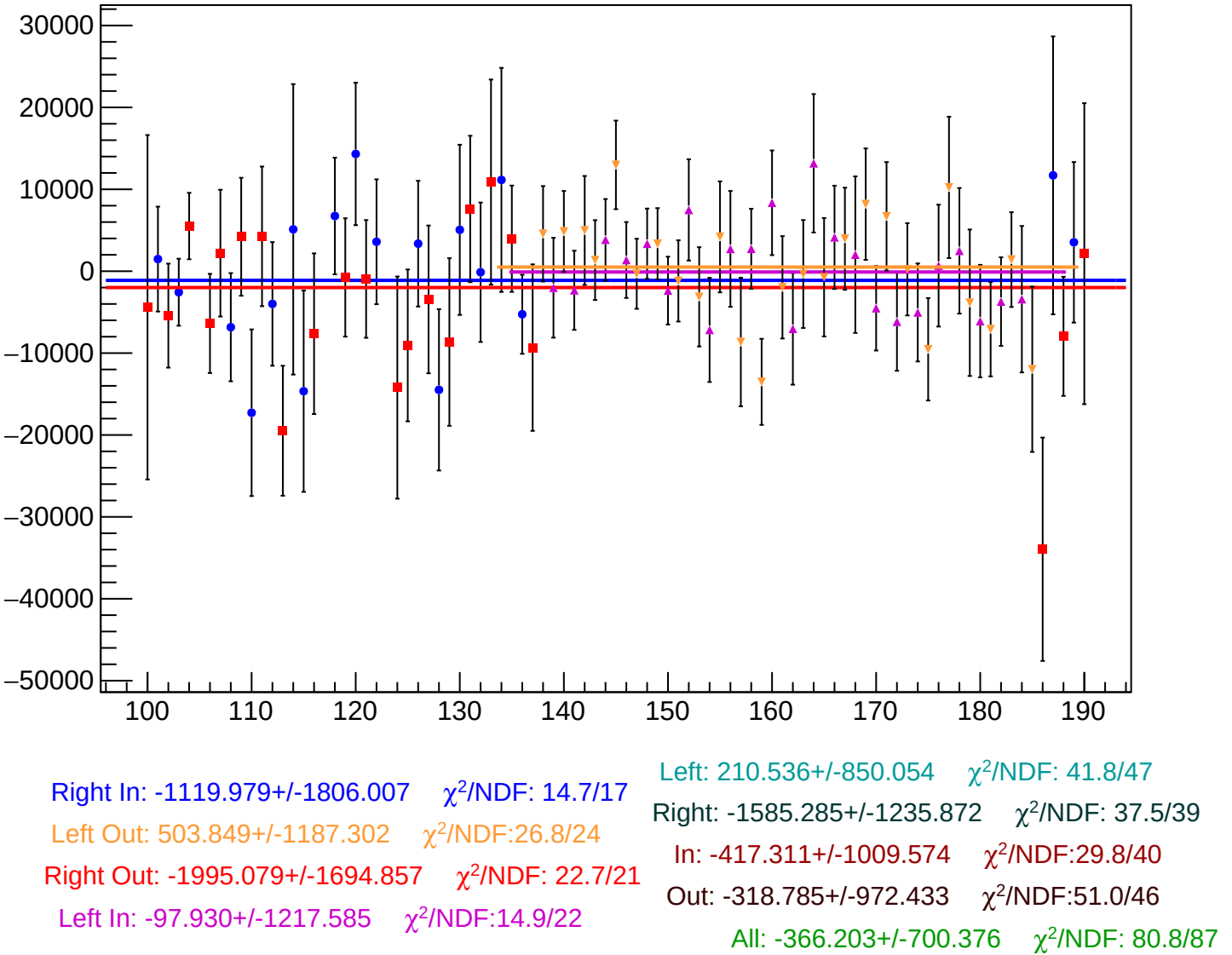
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

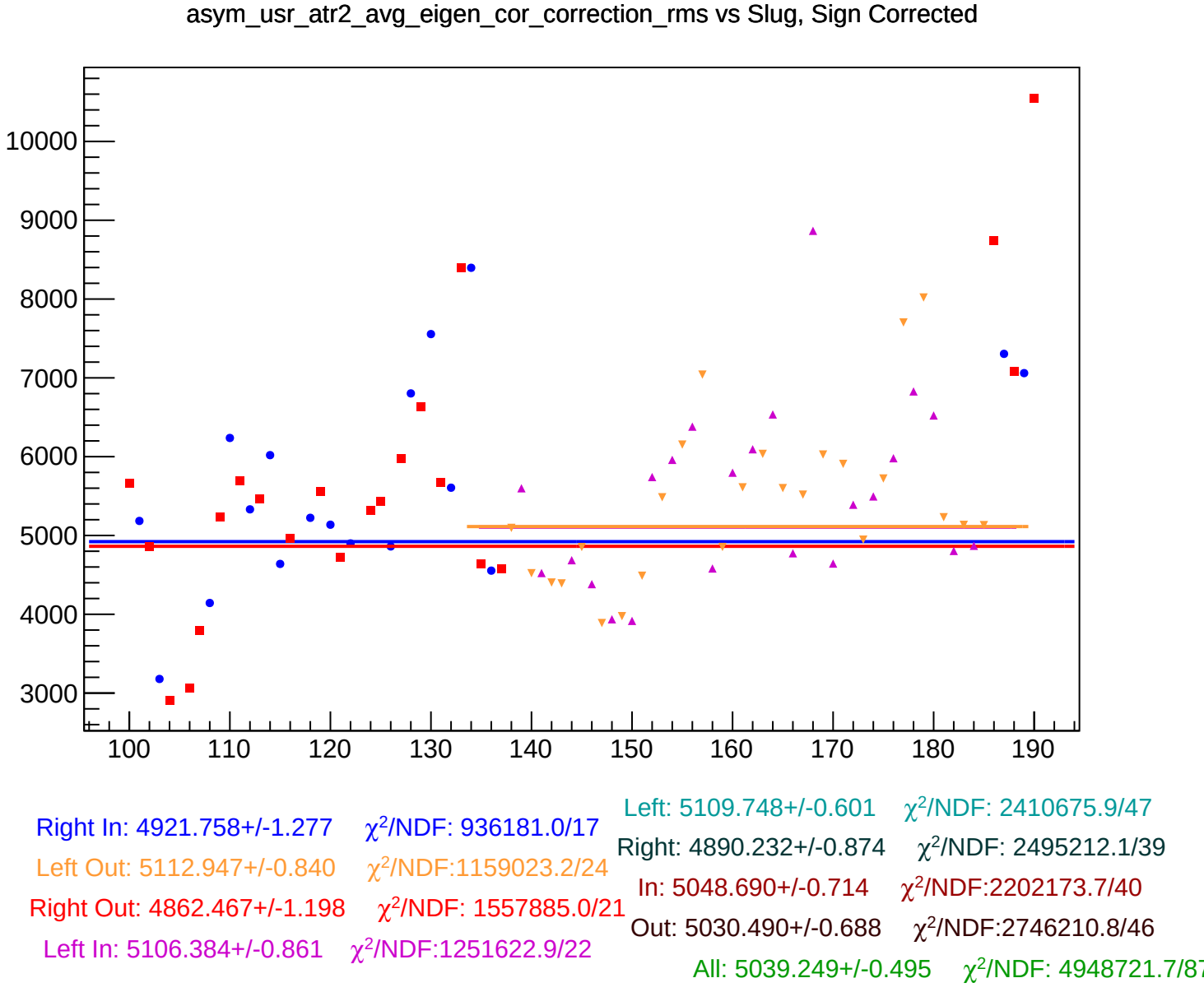
Right: 1602.742+/-0.277 χ^2/NDF: 589303.2/39

In: 1554.255+/-0.215 χ^2/NDF:372136.3/40

Out: 1557.425+/-0.207 χ^2/NDF:335664.4/46

All: 1555.900+/-0.149 χ^2/NDF: 707913.4/87


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1119.979+/-1806.007 χ²/NDF: 14.7/17
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -1995.079+/-1694.857 χ²/NDF: 22.7/21
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1585.285+/-1235.872 χ²/NDF: 37.5/39
In: -417.311+/-1009.574 χ²/NDF:29.8/40
Out: -318.785+/-972.433 χ²/NDF:51.0/46
All: -366.203+/-700.376 χ²/NDF: 80.8/87


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
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130
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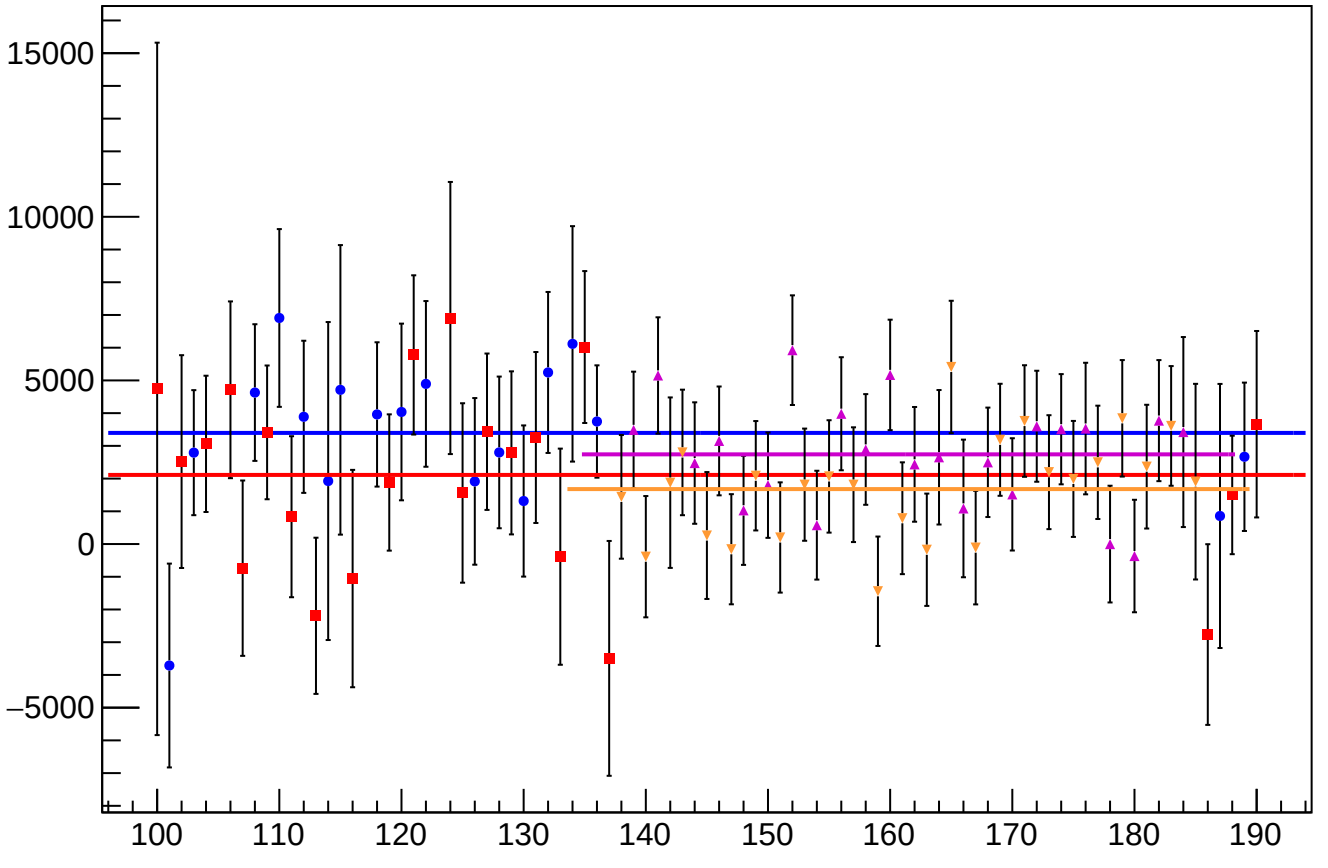
170
180
190
Right In: 4921.758+/-1.277 χ²/NDF: 936181.0/17
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 4862.467+/-1.198 χ²/NDF: 1557885.0/21
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4890.232+/-0.874 χ²/NDF: 2495212.1/39
In: 5048.690+/-0.714 χ²/NDF:2202173.7/40
Out: 5030.490+/-0.688 χ²/NDF:2746210.8/46
All: 5039.249+/-0.495 χ²/NDF: 4948721.7/87



Right In: 3396.178+/-588.728 χ^2/NDF: 10.9/17

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 2112.190+/-553.071 χ^2/NDF: 20.8/21

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

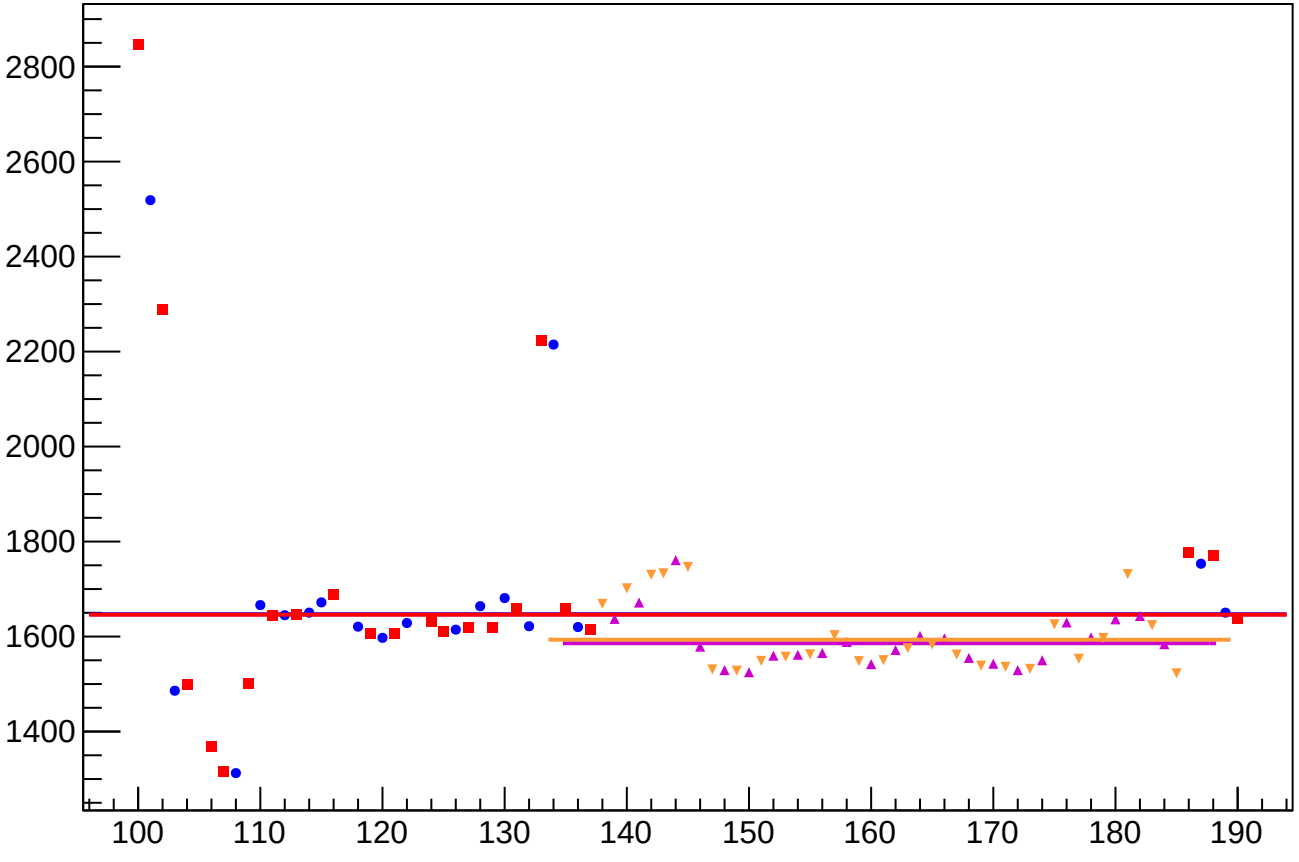
Right: 2714.126+/-403.097 χ^2/NDF: 34.2/39

In: 2926.705+/-313.636 χ^2/NDF:31.0/40

Out: 1809.232+/-303.118 χ^2/NDF:40.2/46

All: 2348.917+/-217.960 χ^2/NDF: 77.7/87

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1646.936+/-0.416 χ^2/NDF: 276251.8/17

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1646.040+/-0.391 χ^2/NDF: 253572.7/21

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

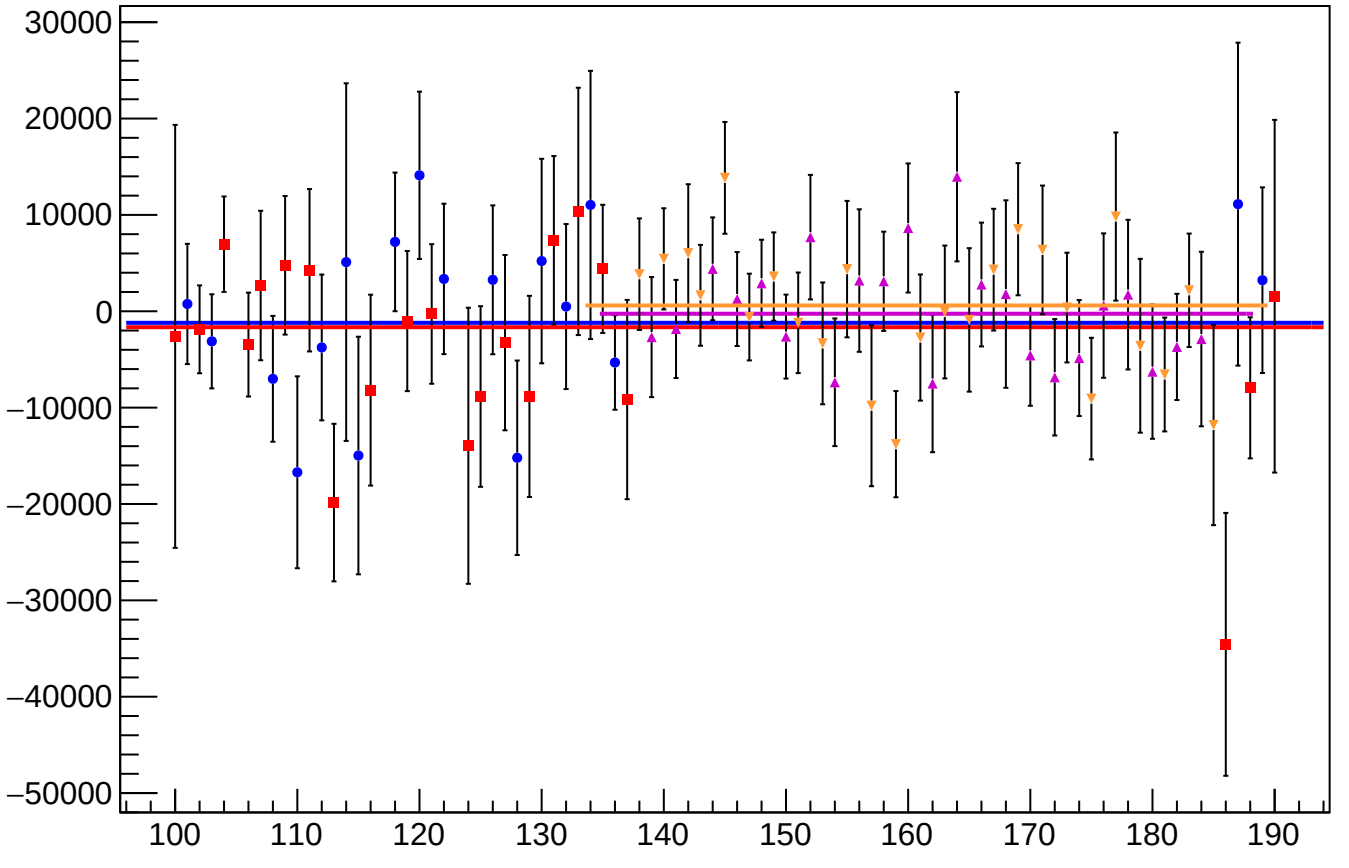
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1646.460+/-0.285 χ^2/NDF: 529826.9/39

In: 1603.235+/-0.222 χ^2/NDF:333553.8/40

Out: 1609.219+/-0.214 χ^2/NDF:338143.4/46

All: 1606.330+/-0.154 χ^2/NDF: 672073.7/87



Right In: -1197.029+/-1865.454 χ^2/NDF: 14.7/17

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1654.518+/-1680.534 χ^2/NDF: 21.9/21

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

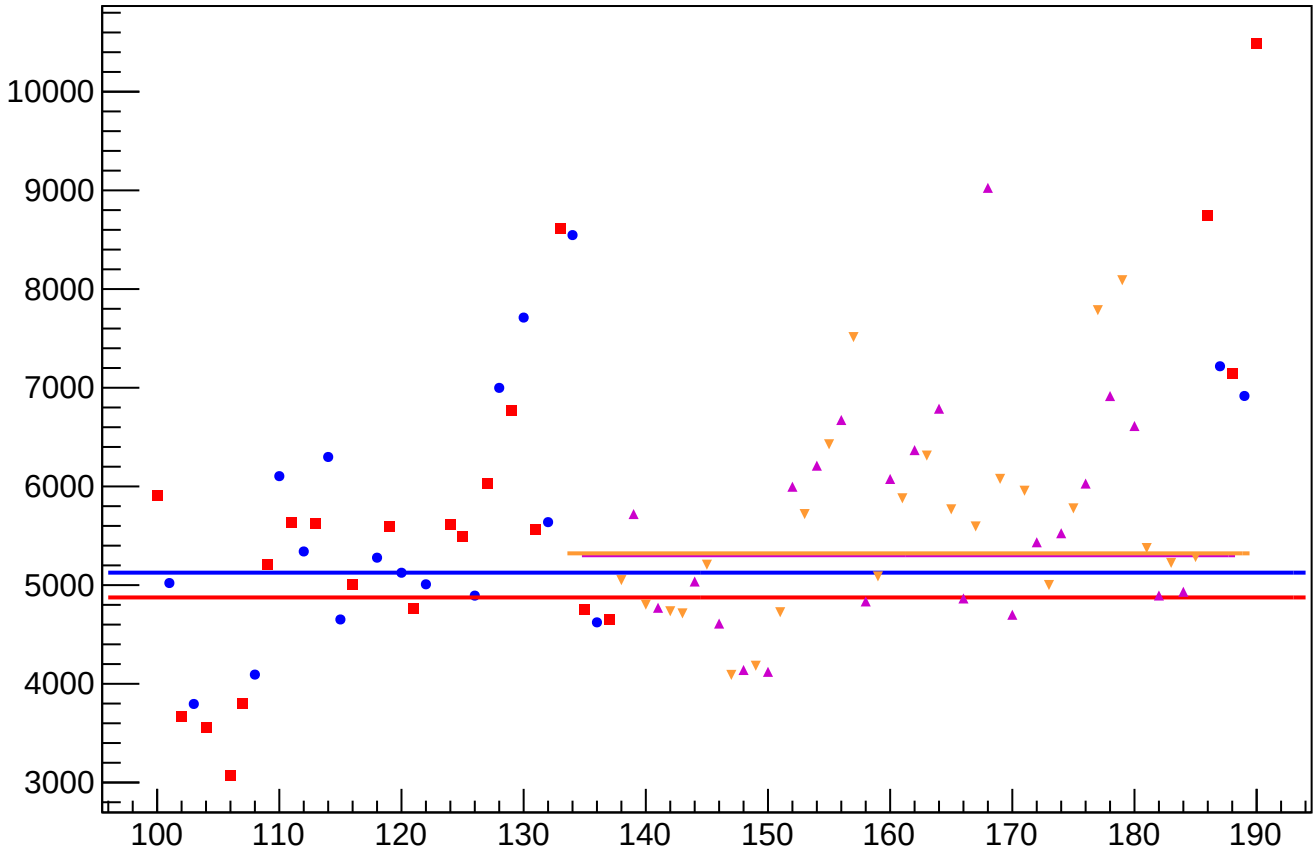
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1449.567+/-1248.590 χ^2/NDF: 36.6/39

In: -551.587+/-1045.619 χ^2/NDF:29.5/40

Out: -188.218+/-994.418 χ^2/NDF:49.1/46

All: -360.789+/-720.581 χ^2/NDF: 78.6/87



Right In: 5126.381+/-1.319 χ^2/NDF: 670938.0/17

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4875.150+/-1.188 χ^2/NDF: 1443410.1/21

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

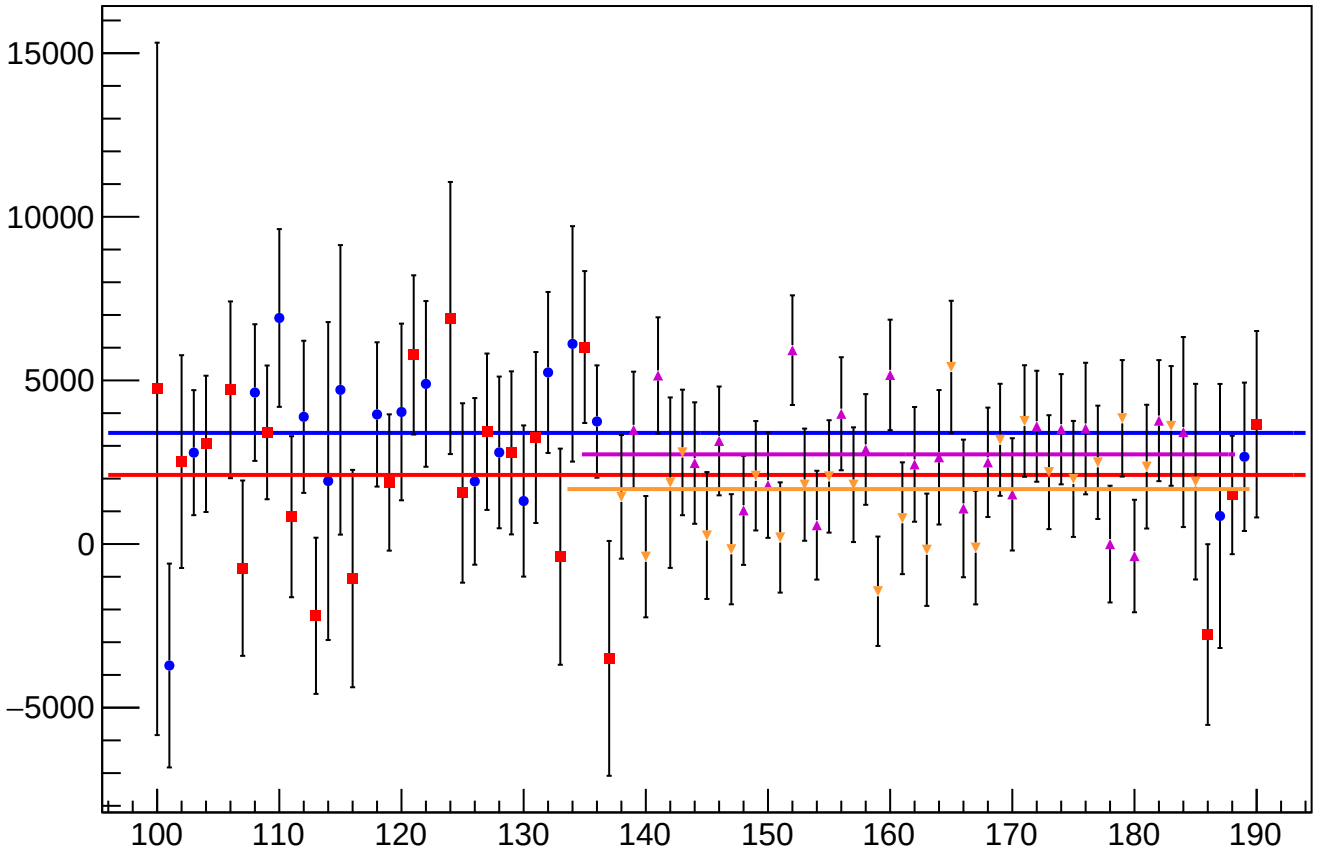
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 4987.699+/-0.883 χ^2/NDF: 2134372.2/39

In: 5247.407+/-0.739 χ^2/NDF:1835588.6/40

Out: 5165.510+/-0.703 χ^2/NDF:2572293.2/46

All: 5204.404+/-0.510 χ^2/NDF: 4414324.1/87



Right In: 3396.180+/-588.728 χ^2/NDF: 10.9/17

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 2112.193+/-553.071 χ^2/NDF: 20.8/21

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

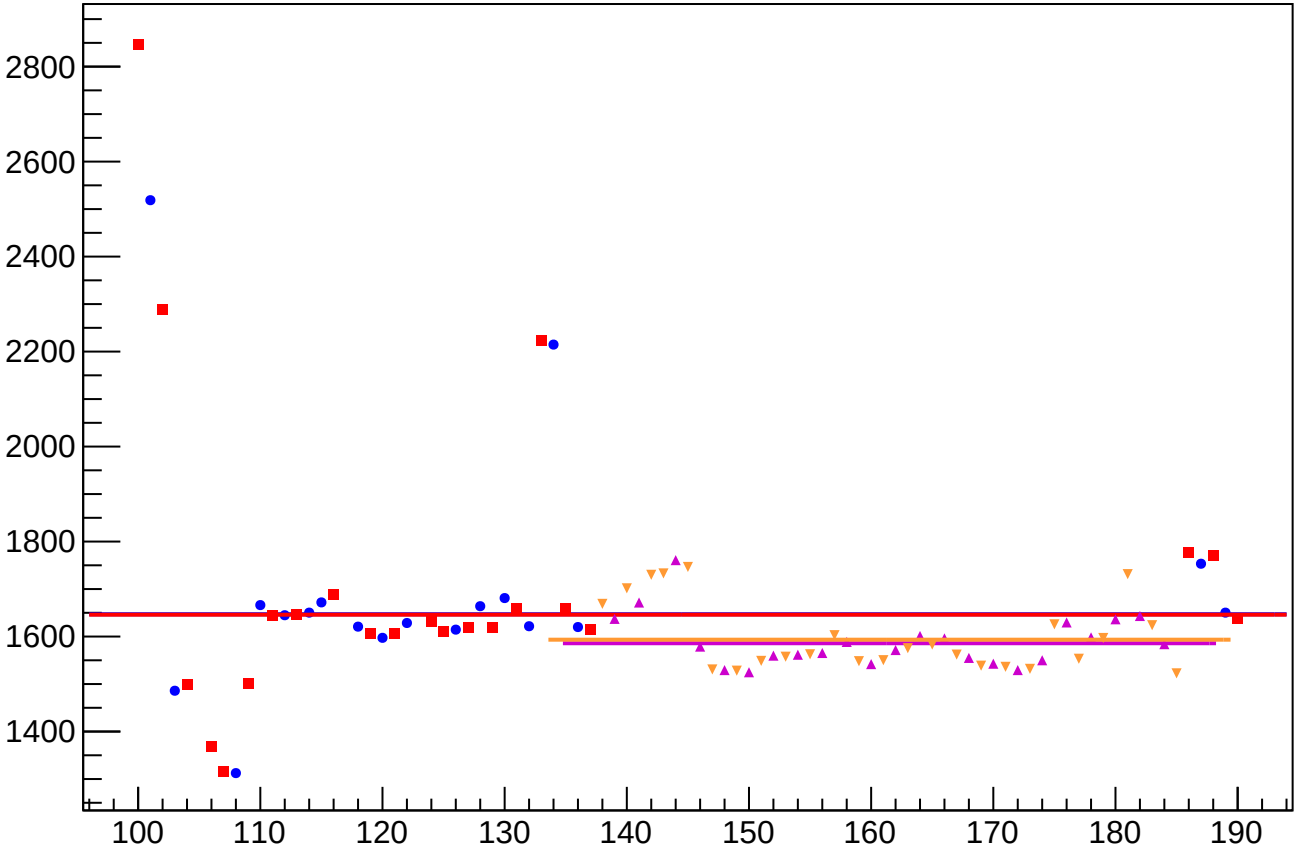
Right: 2714.129+/-403.097 χ^2/NDF: 34.2/39

In: 2926.706+/-313.636 χ^2/NDF:31.0/40

Out: 1809.229+/-303.118 χ^2/NDF:40.2/46

All: 2348.915+/-217.960 χ^2/NDF: 77.7/87

eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1646.935+/-0.416 χ^2/NDF: 276251.9/17

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1646.040+/-0.391 χ^2/NDF: 253572.4/21

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

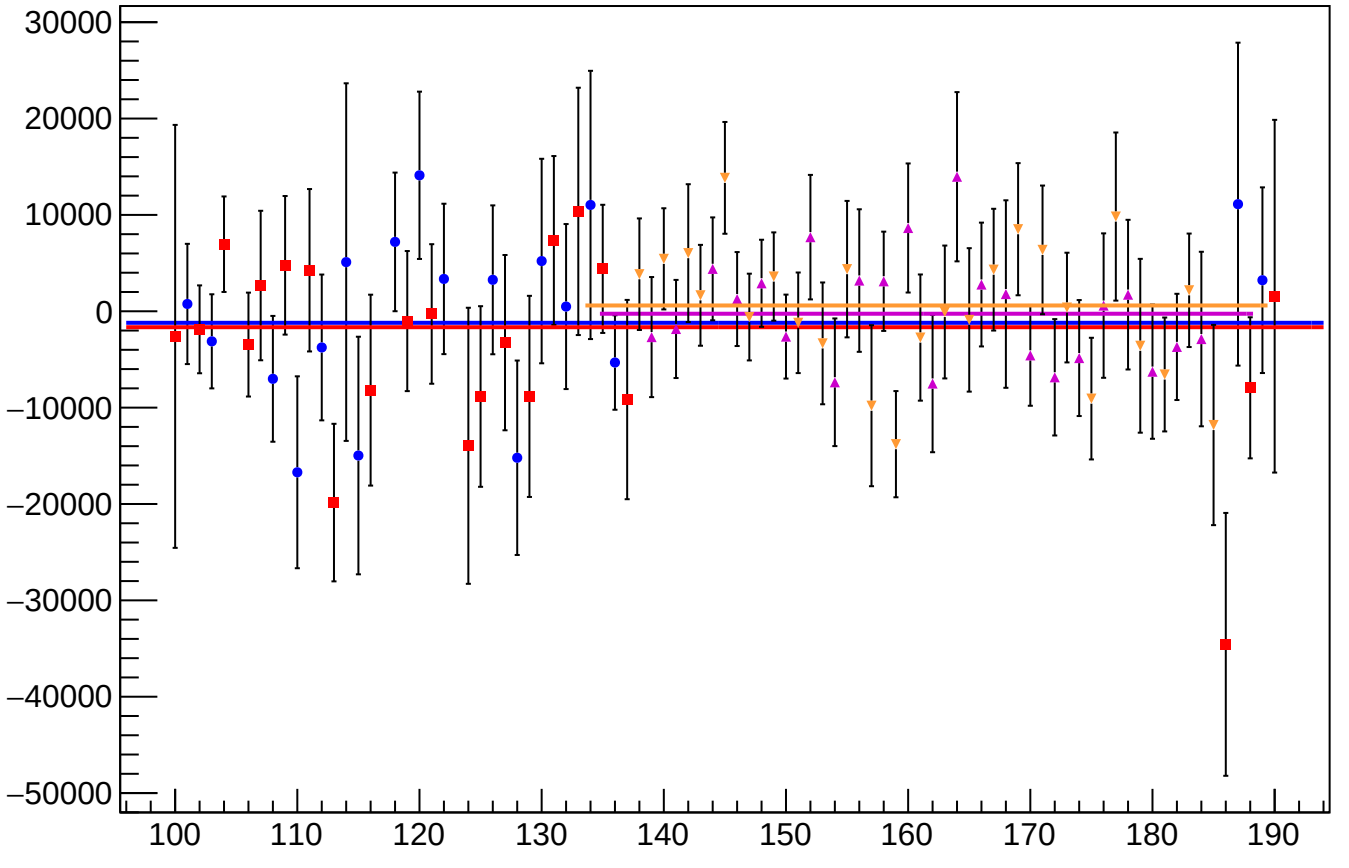
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1646.459+/-0.285 χ^2/NDF: 529826.8/39

In: 1603.236+/-0.222 χ^2/NDF:333552.9/40

Out: 1609.220+/-0.214 χ^2/NDF:338142.4/46

All: 1606.330+/-0.154 χ^2/NDF: 672071.8/87



Right In: -1197.015+/-1865.452 χ^2/NDF: 14.7/17

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1654.517+/-1680.531 χ^2/NDF: 21.9/21

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

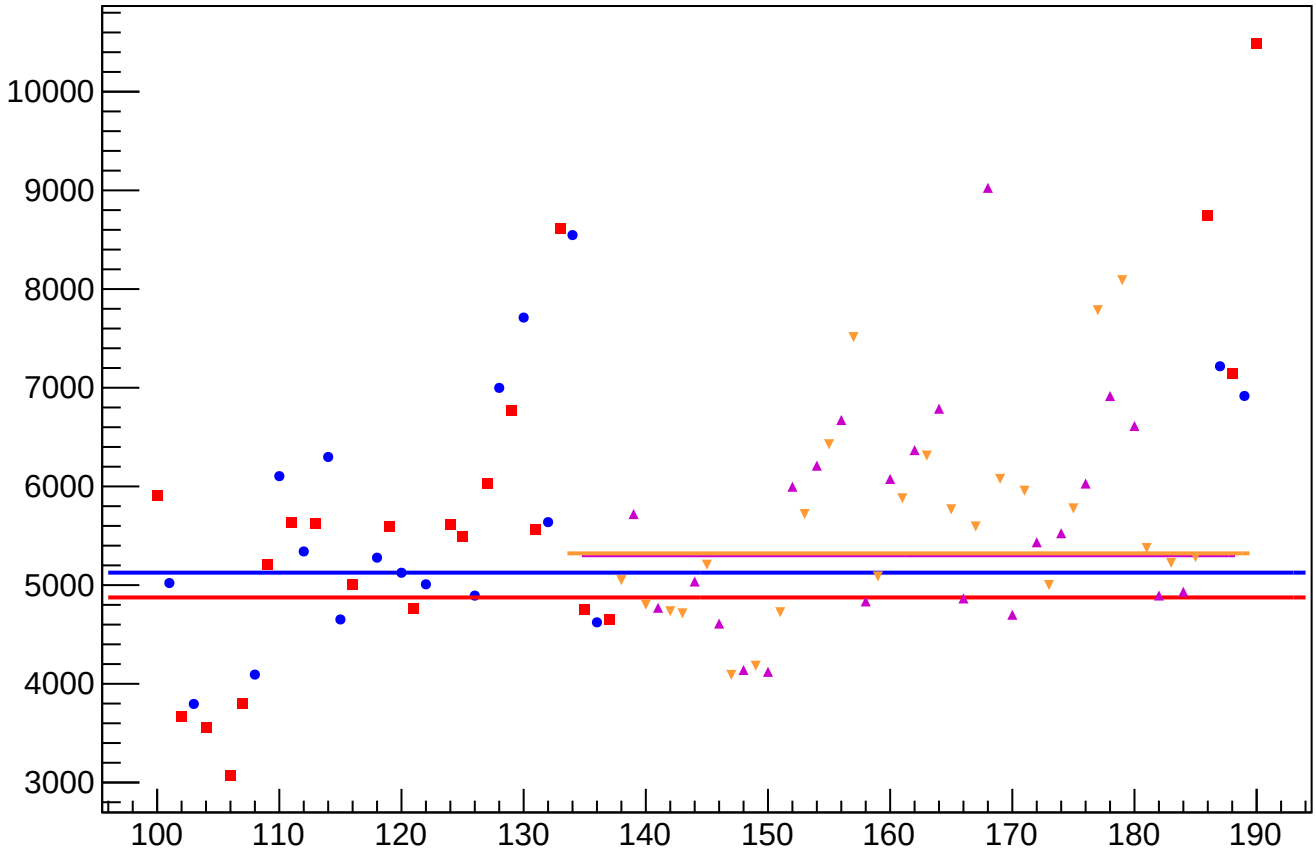
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1449.560+/-1248.588 χ^2/NDF: 36.6/39

In: -551.585+/-1045.620 χ^2/NDF:29.5/40

Out: -188.223+/-994.419 χ^2/NDF:49.1/46

All: -360.790+/-720.581 χ^2/NDF: 78.6/87



Right In: 5126.375+/-1.319 χ^2/NDF: 670933.3/17

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4875.143+/-1.188 χ^2/NDF: 1443406.3/21

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

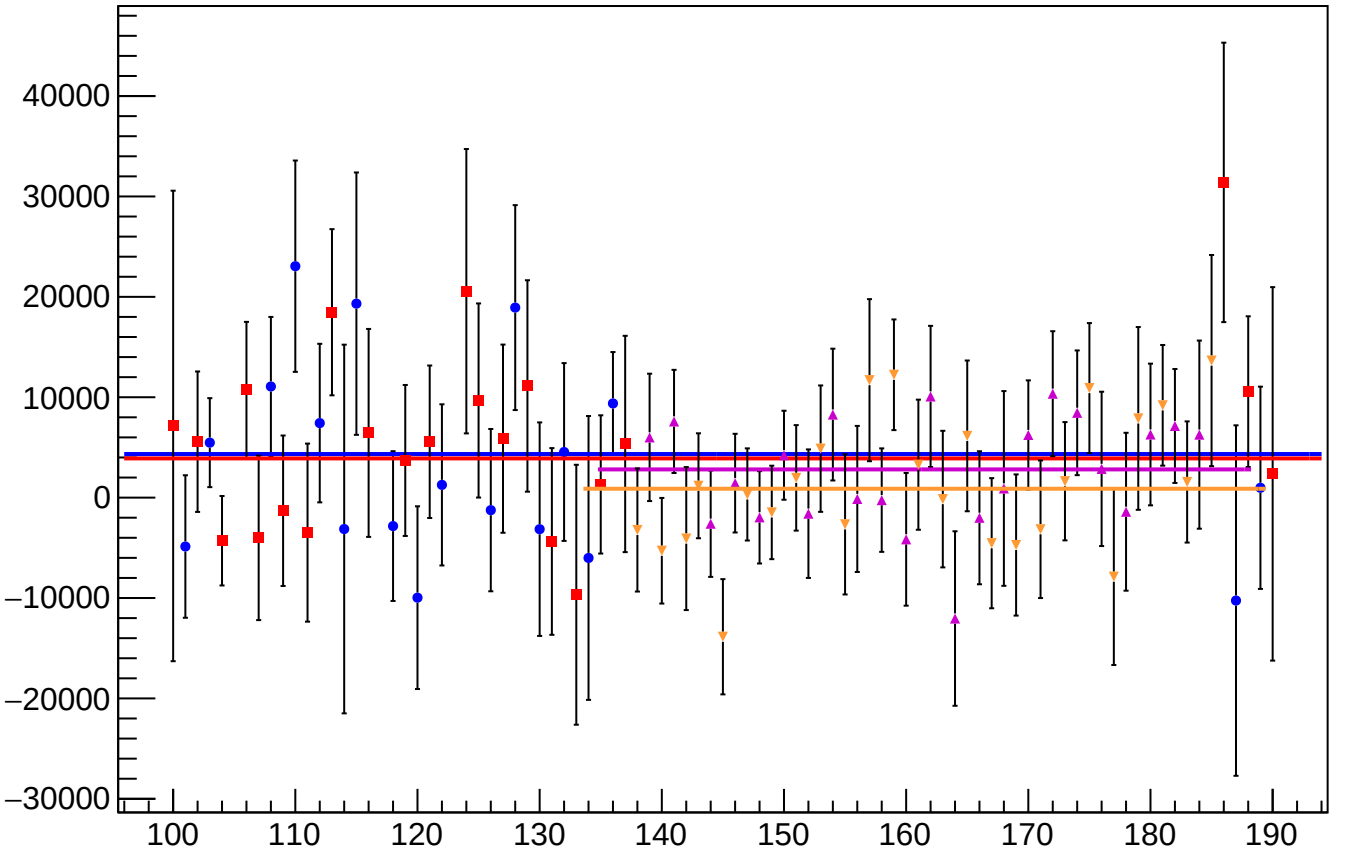
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 4987.693+/-0.883 χ^2/NDF: 2134363.8/39

In: 5247.411+/-0.739 χ^2/NDF:1835590.0/40

Out: 5165.514+/-0.703 χ^2/NDF:2572298.2/46

All: 5204.408+/-0.510 χ^2/NDF: 4414330.6/87



Right In: 4342.359+/-1910.949 χ^2/NDF: 16.4/17

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3906.586+/-1802.215 χ^2/NDF: 18.8/21

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

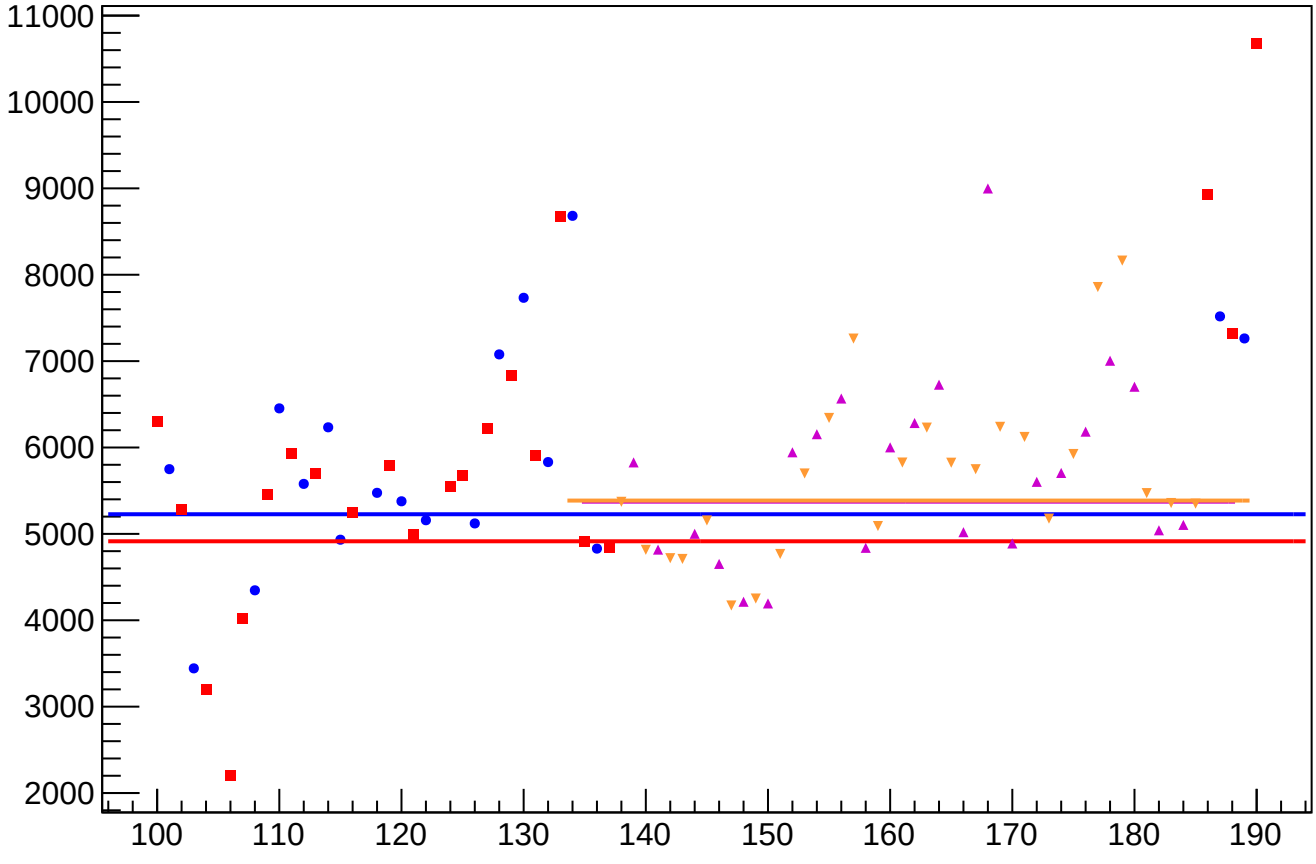
Right: 4111.722+/-1311.114 χ^2/NDF: 35.2/39

In: 3283.650+/-1061.879 χ^2/NDF:31.5/40

Out: 1863.060+/-1025.179 χ^2/NDF:46.3/46

All: 2548.382+/-737.544 χ^2/NDF: 78.8/87

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5227.392+/-1.351 χ^2/NDF: 842255.2/17

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4914.364+/-1.229 χ^2/NDF: 1950836.4/21

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

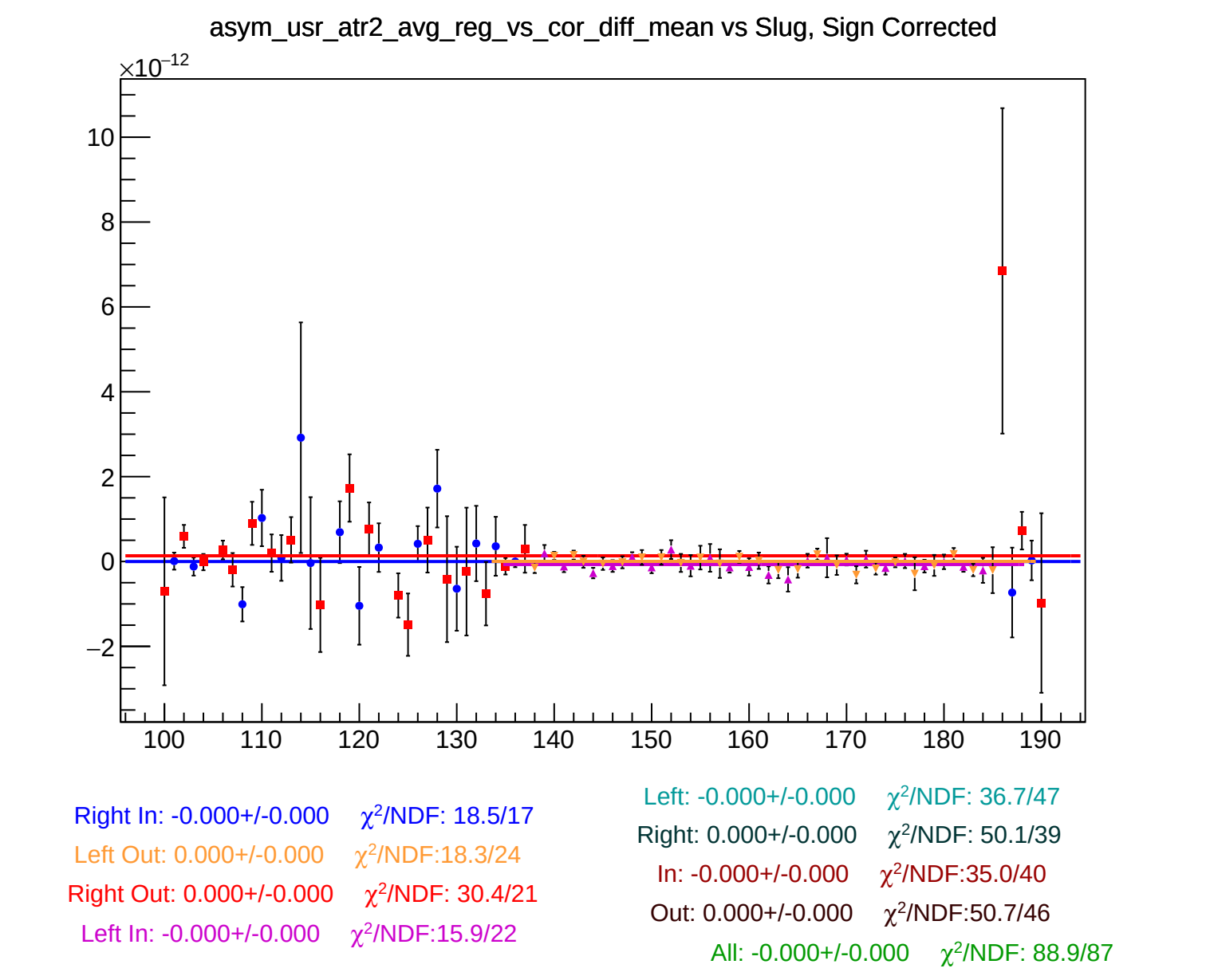
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

Right: 5056.133+/-0.909 χ^2/NDF: 2822452.3/39

In: 5327.947+/-0.751 χ^2/NDF:1922088.1/40

Out: 5225.653+/-0.716 χ^2/NDF:3034988.6/46

All: 5274.394+/-0.518 χ^2/NDF: 4966793.2/87


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
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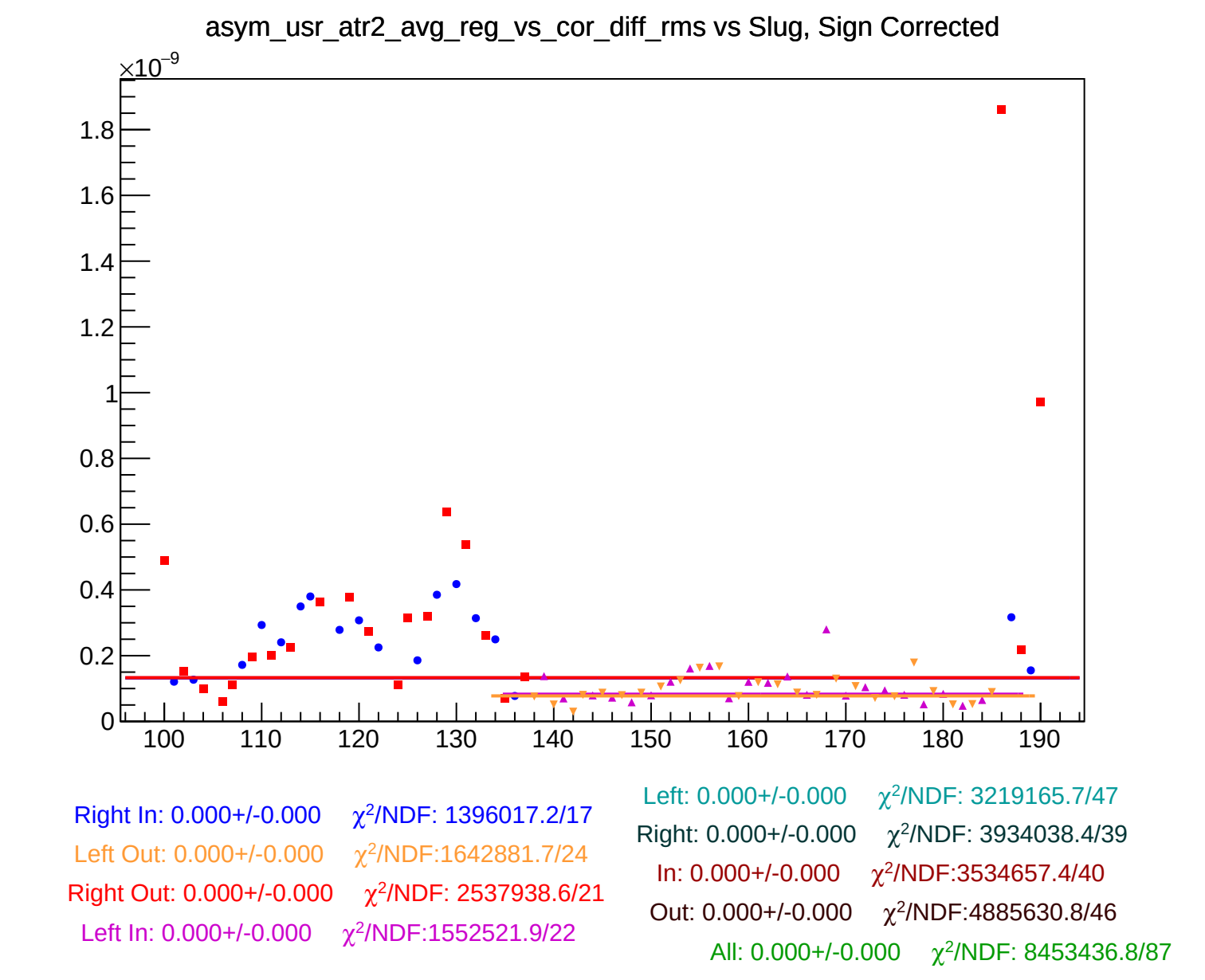
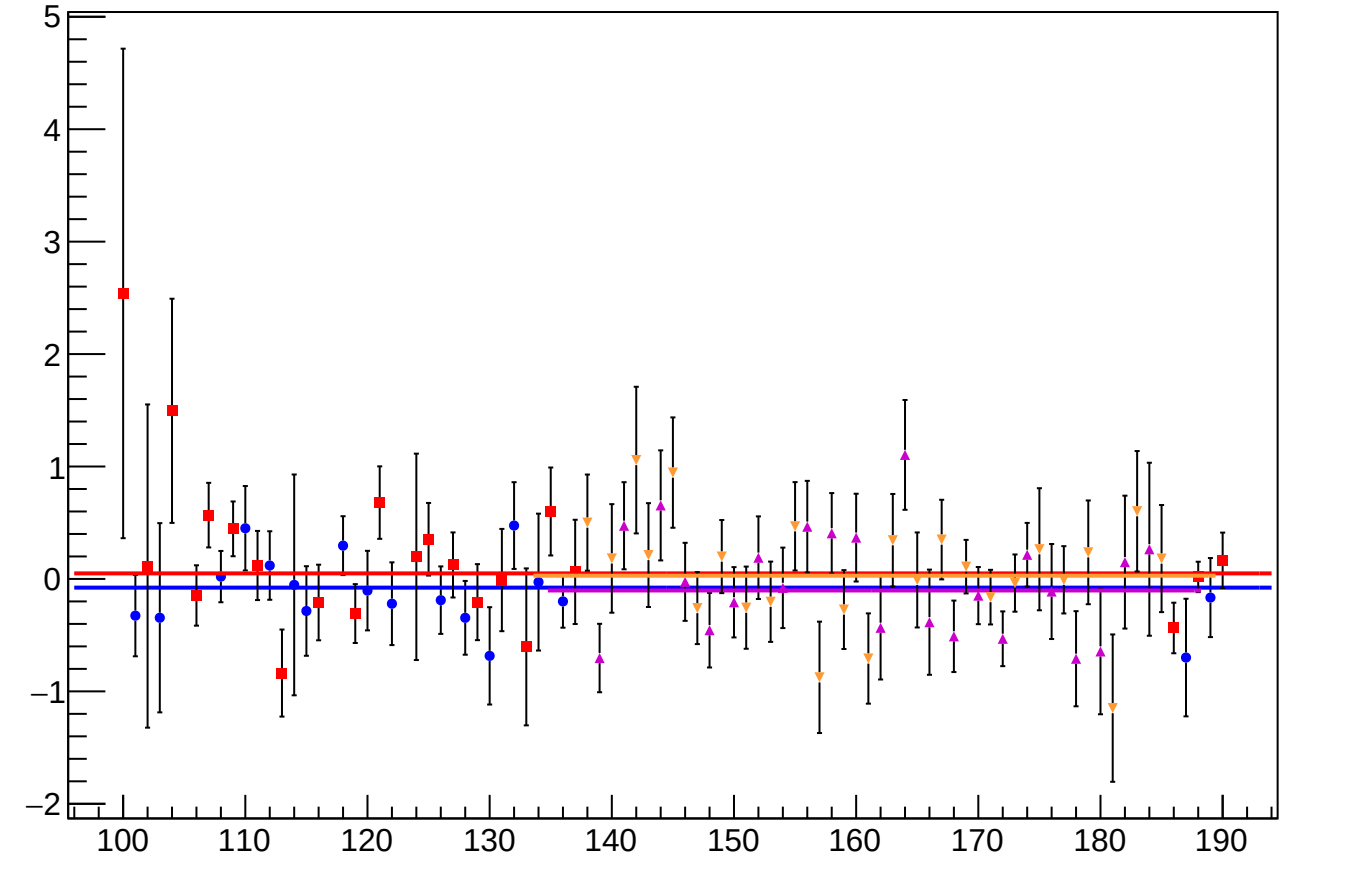
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.5/17
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.4/21
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 50.1/39
In: -0.000+/-0.000 χ²/NDF:35.0/40
Out: 0.000+/-0.000 χ²/NDF:50.7/46
All: -0.000+/-0.000 χ²/NDF: 88.9/87


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1396017.2/17
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2537938.6/21
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 3934038.4/39
In: 0.000+/-0.000 χ²/NDF:3534657.4/40
Out: 0.000+/-0.000 χ²/NDF:4885630.8/46
All: 0.000+/-0.000 χ²/NDF: 8453436.8/87



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

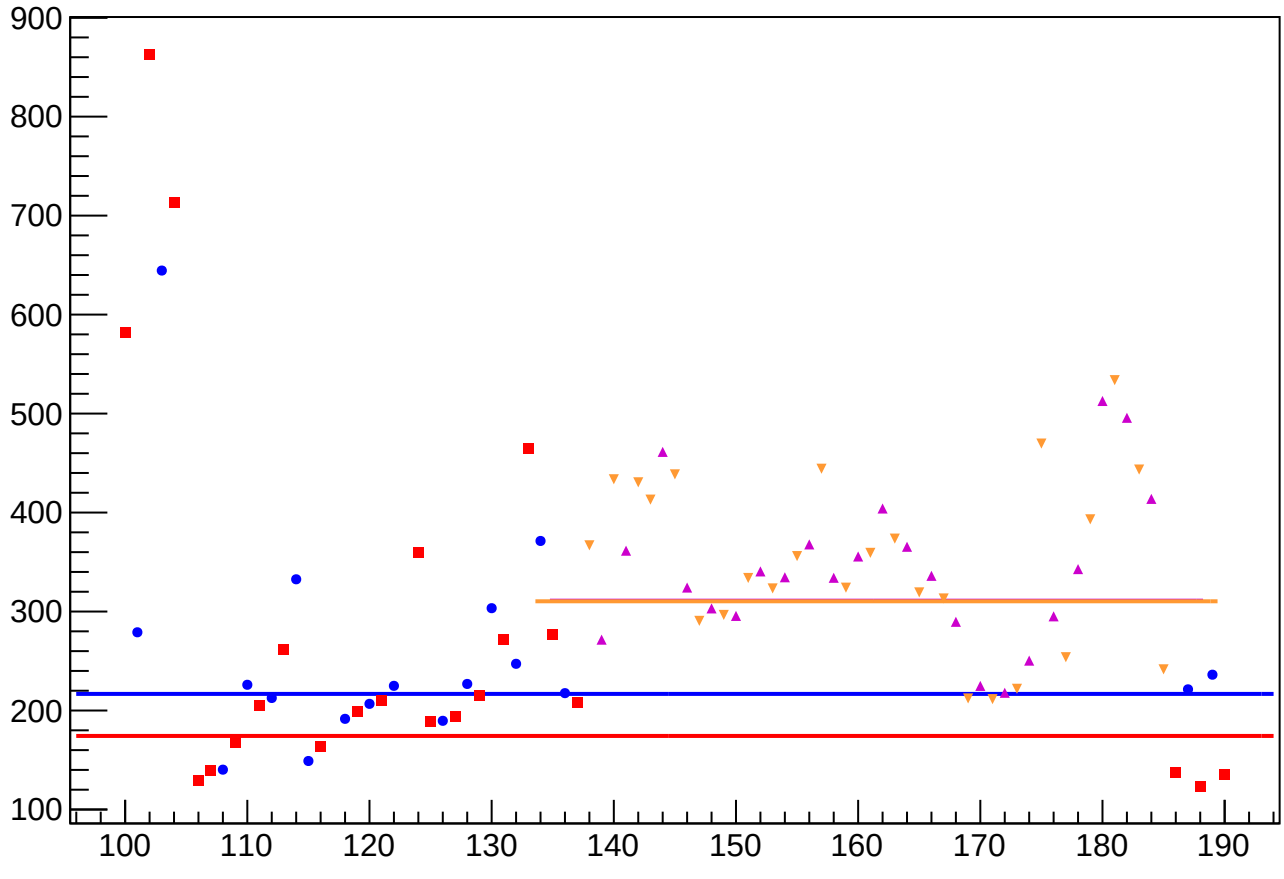
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.000+/-0.051 χ^2/NDF: 44.4/39

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.017+/-0.037 χ^2/NDF: 103.8/87



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

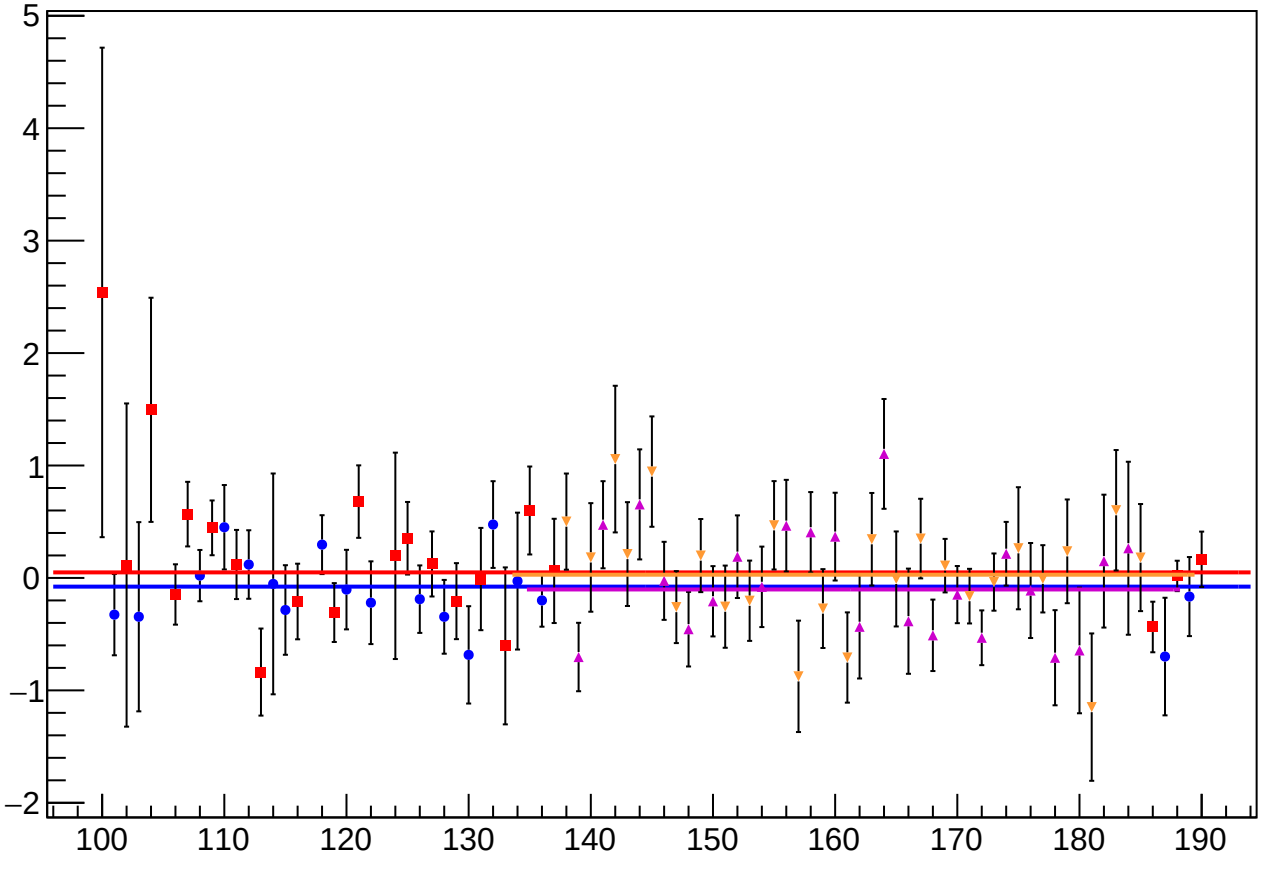
Right: 190.764+/-0.036 χ^2/NDF: 3951256.2/39

In: 267.303+/-0.039 χ^2/NDF:4169898.2/40

Out: 233.166+/-0.035 χ^2/NDF:8597426.3/46

All: 248.051+/-0.026 χ^2/NDF: 13188759.7/87

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

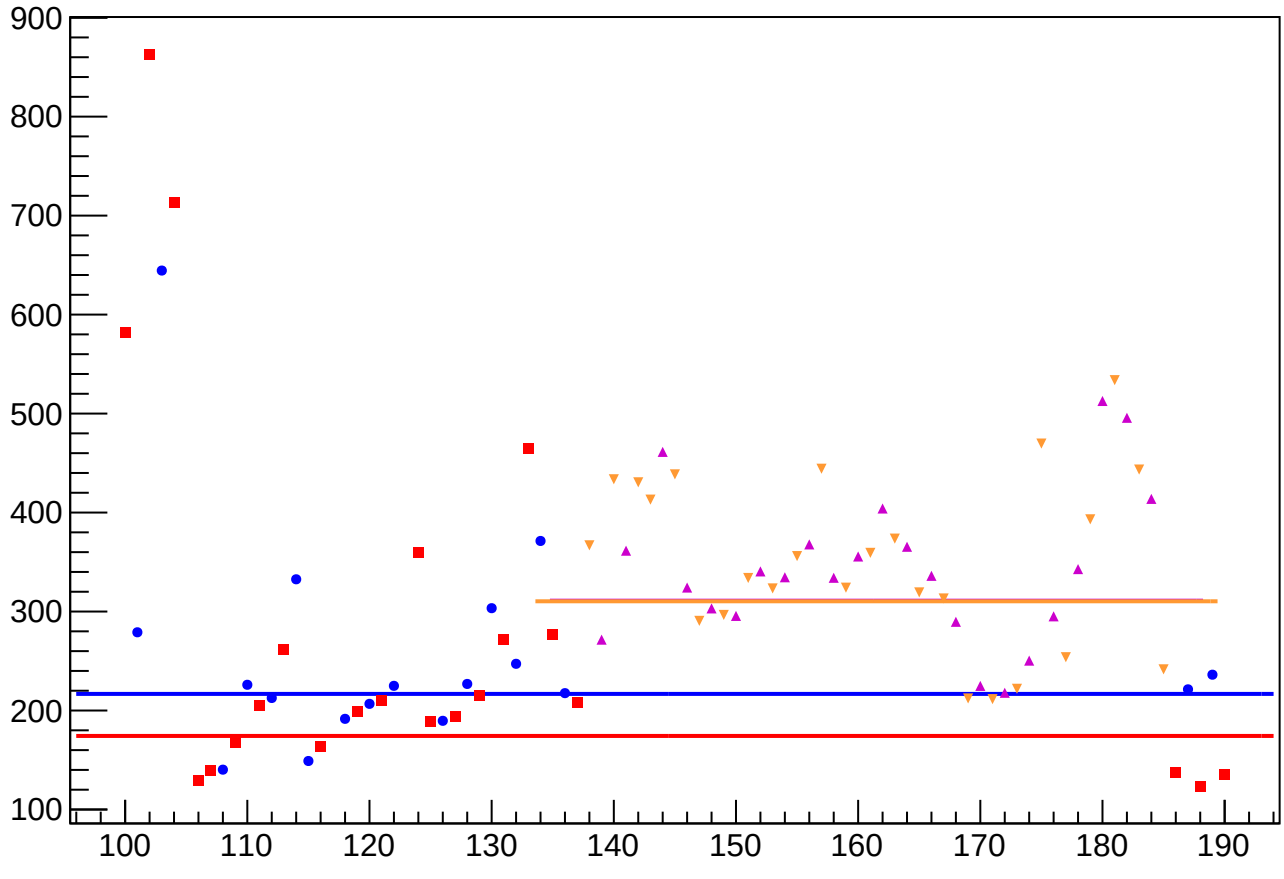
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.000+/-0.051 χ^2/NDF: 44.4/39

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.017+/-0.037 χ^2/NDF: 103.8/87



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

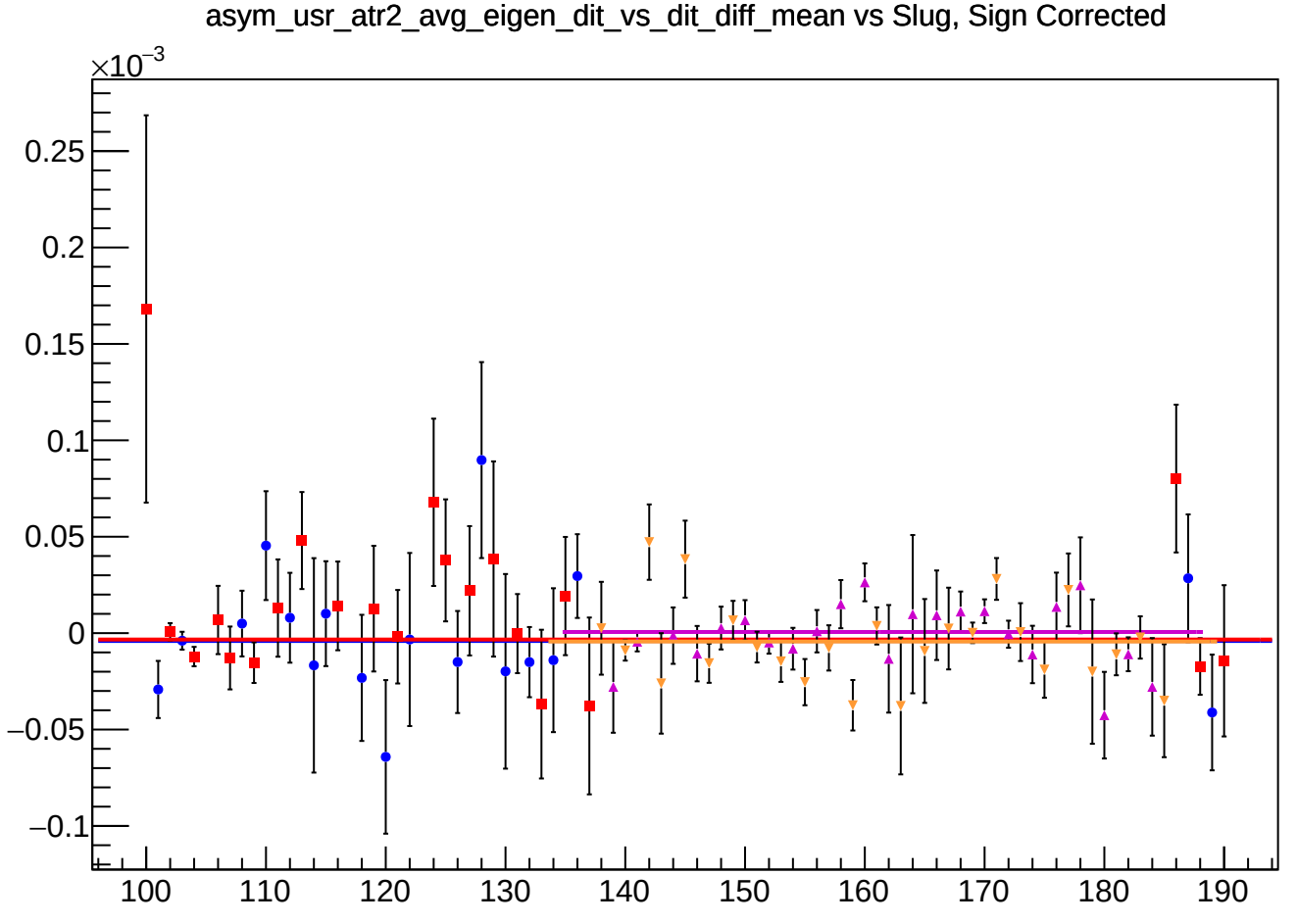
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

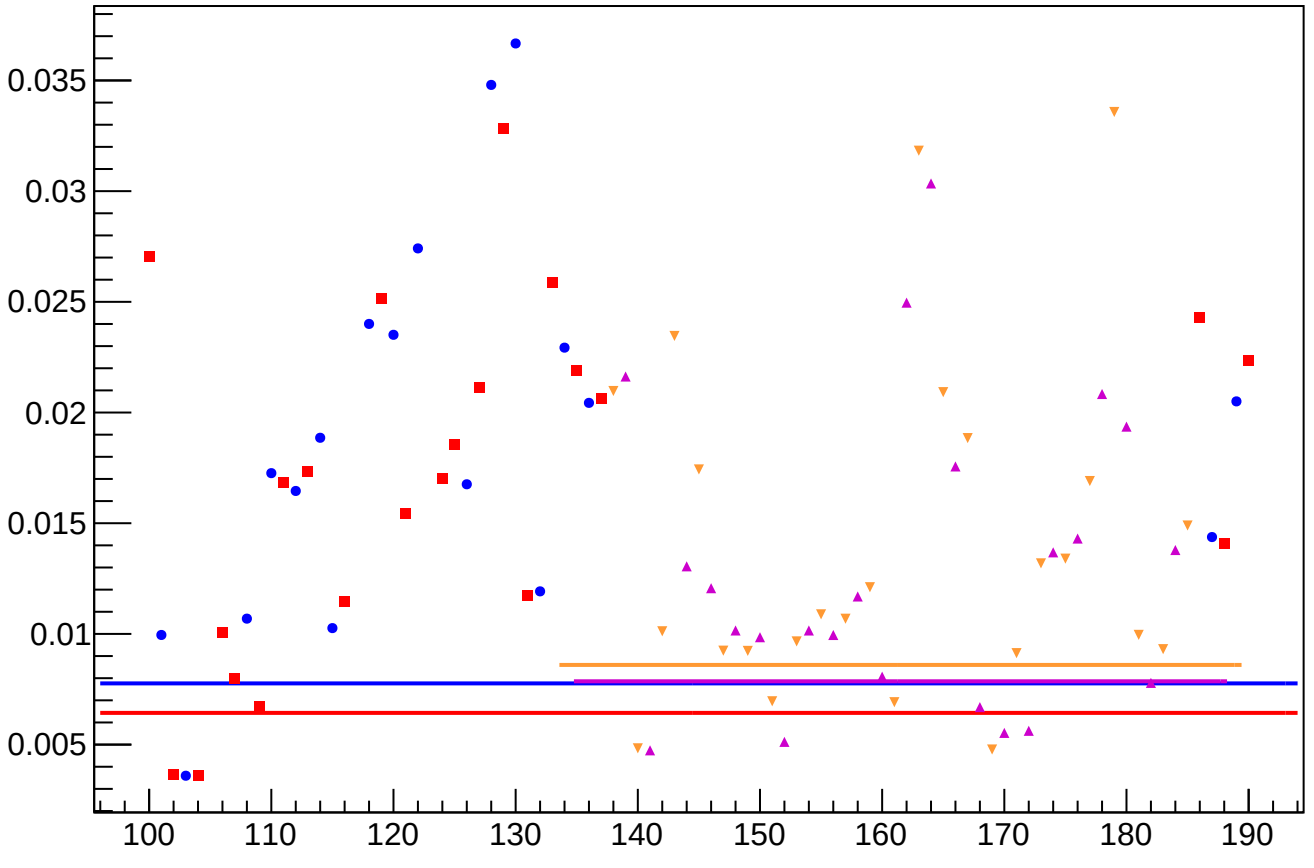
Right: 190.764+/-0.036 χ^2/NDF: 3951256.2/39

In: 267.303+/-0.039 χ^2/NDF:4169898.2/40

Out: 233.166+/-0.035 χ^2/NDF:8597426.3/46

All: 248.051+/-0.026 χ^2/NDF: 13188759.7/87


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.4/17
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.4/21
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 45.8/39
In: -0.000+/-0.000 χ²/NDF:46.2/40
Out: -0.000+/-0.000 χ²/NDF:69.8/46
All: -0.000+/-0.000 χ²/NDF: 117.7/87



Right In: 0.008+/-0.000 χ^2/NDF: 6527987.9/17

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.006+/-0.000 χ^2/NDF: 7294743.3/21

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

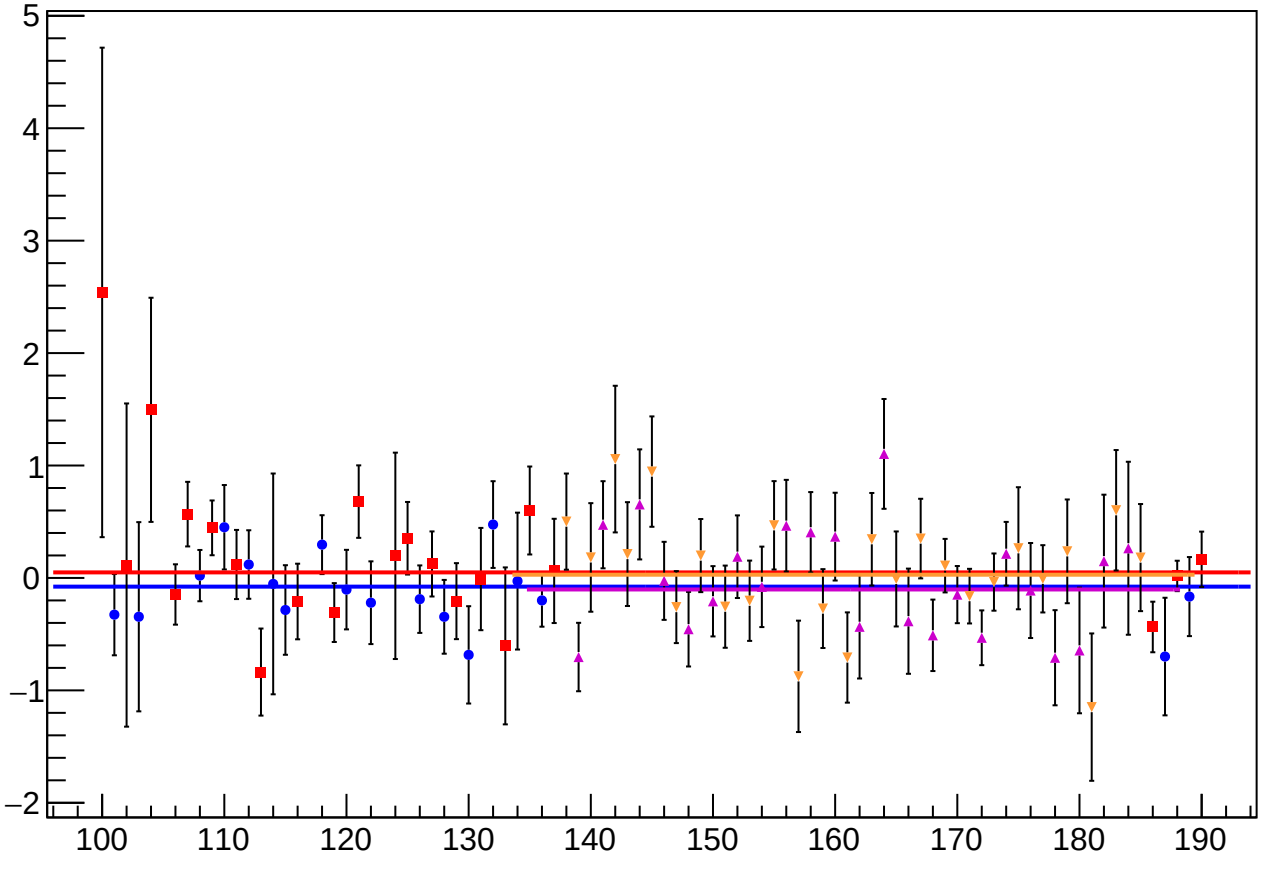
Right: 0.007+/-0.000 χ^2/NDF: 13984507.3/39

In: 0.008+/-0.000 χ^2/NDF:13308772.1/40

Out: 0.008+/-0.000 χ^2/NDF:15668233.5/46

All: 0.008+/-0.000 χ^2/NDF: 28978782.1/87

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

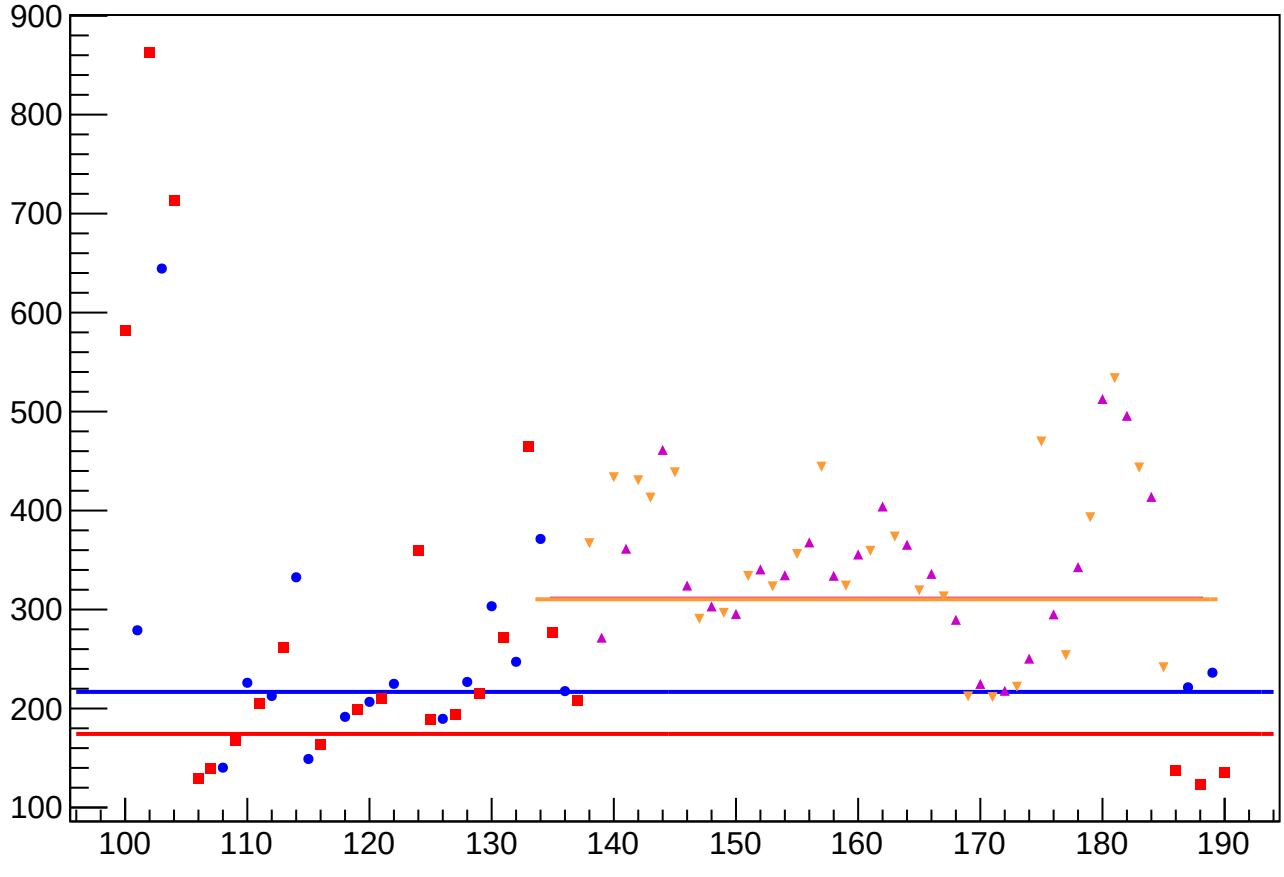
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.000+/-0.051 χ^2/NDF: 44.4/39

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.017+/-0.037 χ^2/NDF: 103.8/87



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

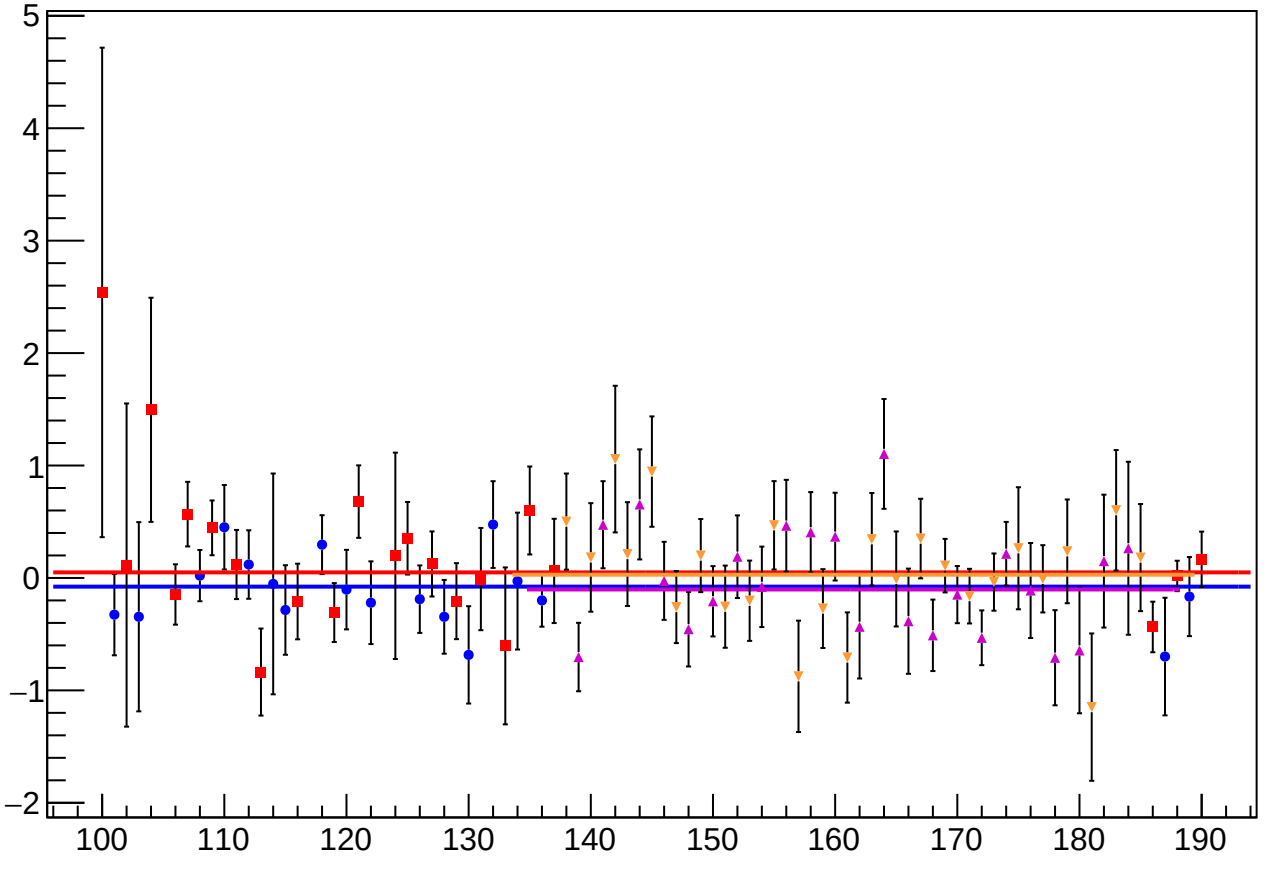
Right: 190.761+/-0.036 χ^2/NDF: 3951305.6/39

In: 267.304+/-0.039 χ^2/NDF:4170030.8/40

Out: 233.164+/-0.035 χ^2/NDF:8597860.3/46

All: 248.050+/-0.026 χ^2/NDF: 13189385.1/87

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

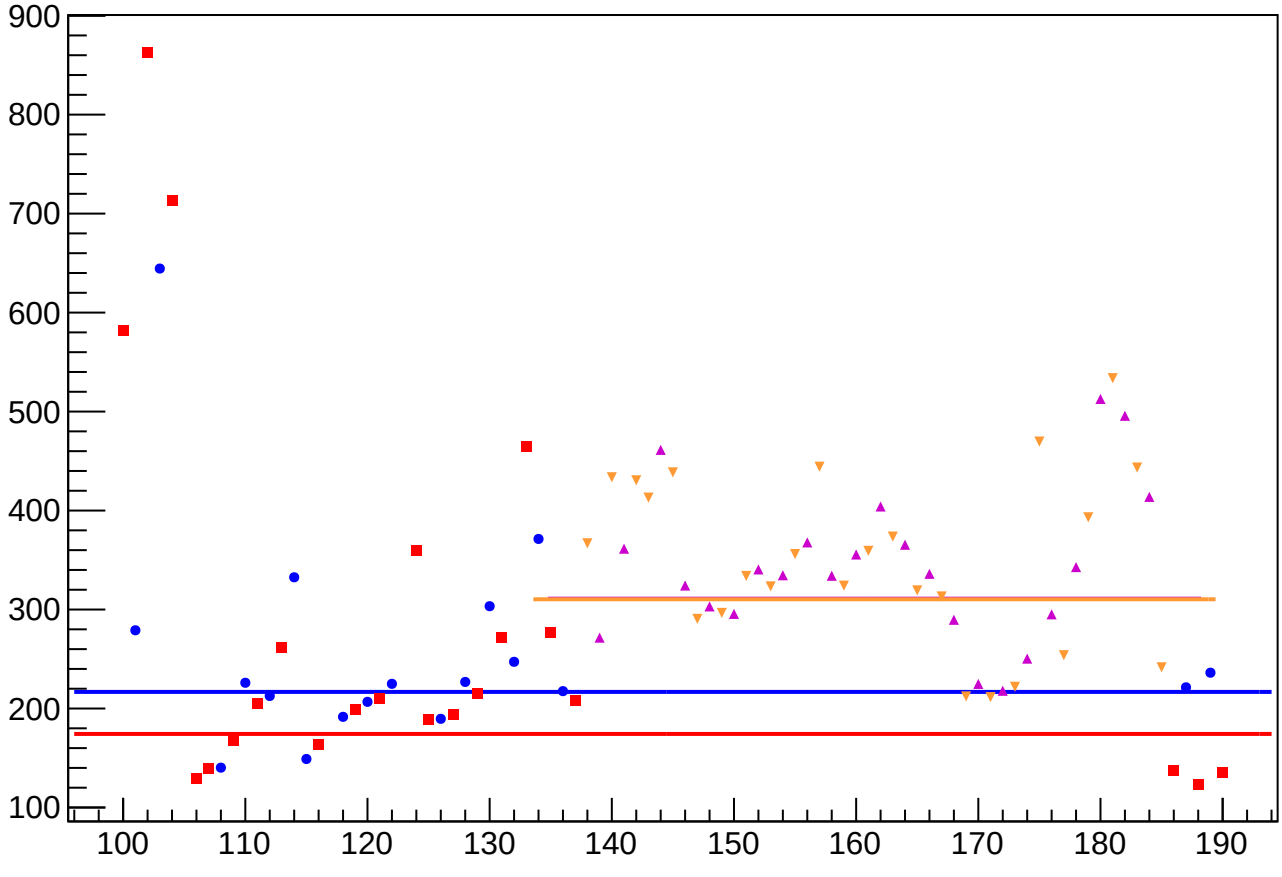
Right: 0.000+/-0.051 χ^2/NDF: 44.4/39

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.017+/-0.037 χ^2/NDF: 103.8/87

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

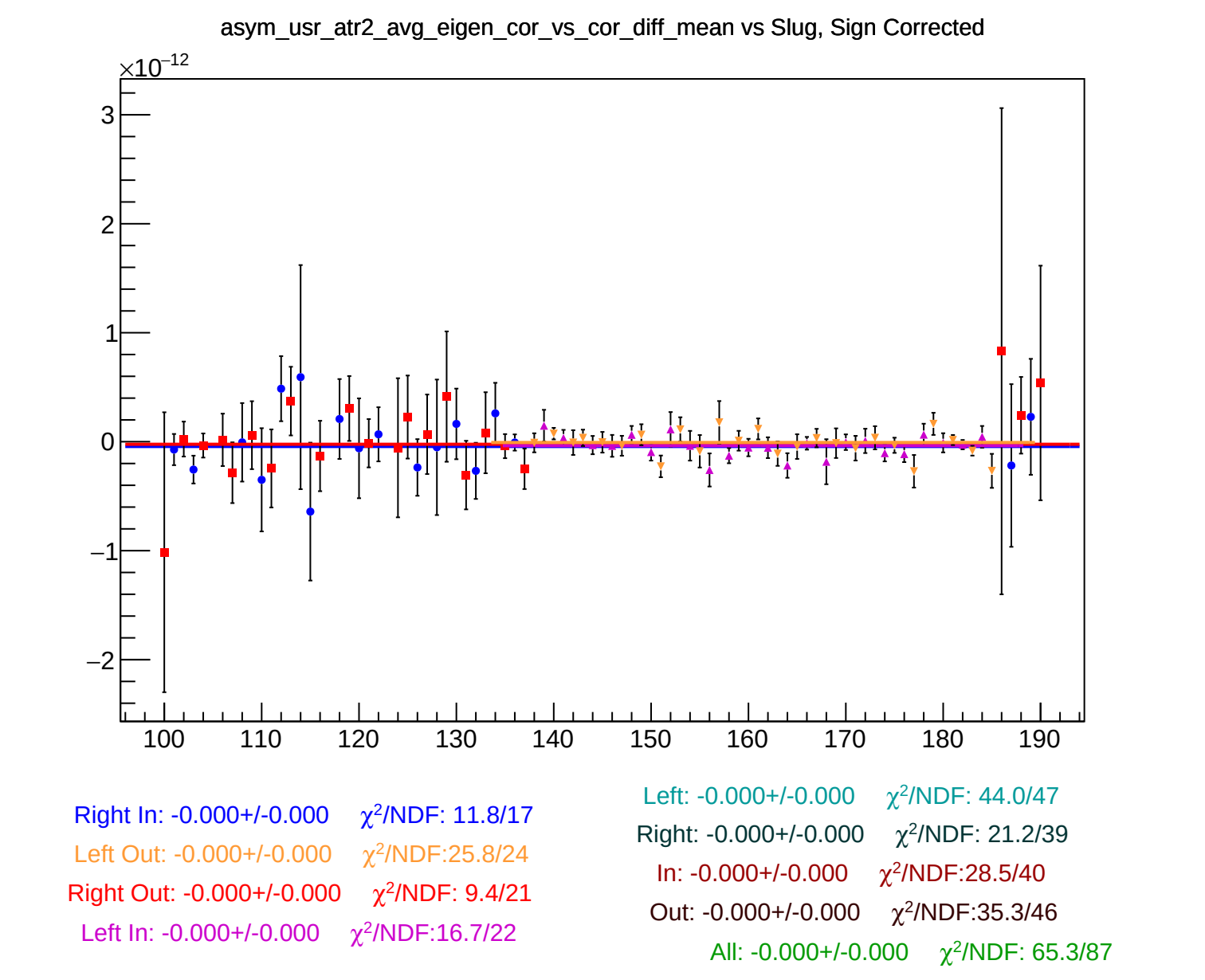
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 190.761+/-0.036 χ^2/NDF: 3951305.6/39

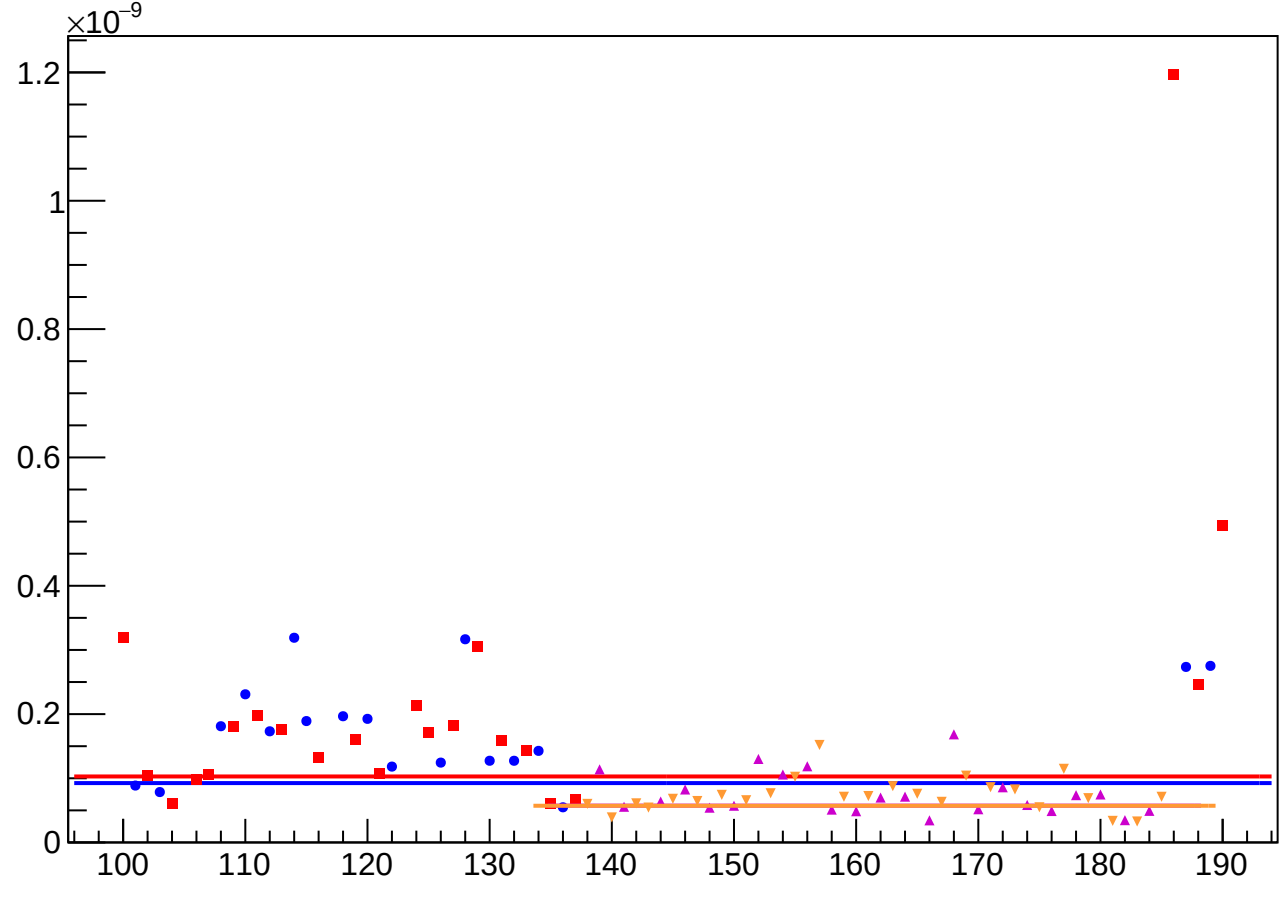
In: 267.304+/-0.039 χ^2/NDF:4170030.8/40

Out: 233.164+/-0.035 χ^2/NDF:8597860.3/46

All: 248.050+/-0.026 χ^2/NDF: 13189385.1/87


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.8/17
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 9.4/21
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: 21.2/39
In: -0.000+/-0.000 χ²/NDF:28.5/40
Out: -0.000+/-0.000 χ²/NDF:35.3/46
All: -0.000+/-0.000 χ²/NDF: 65.3/87

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2166217.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2787417.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

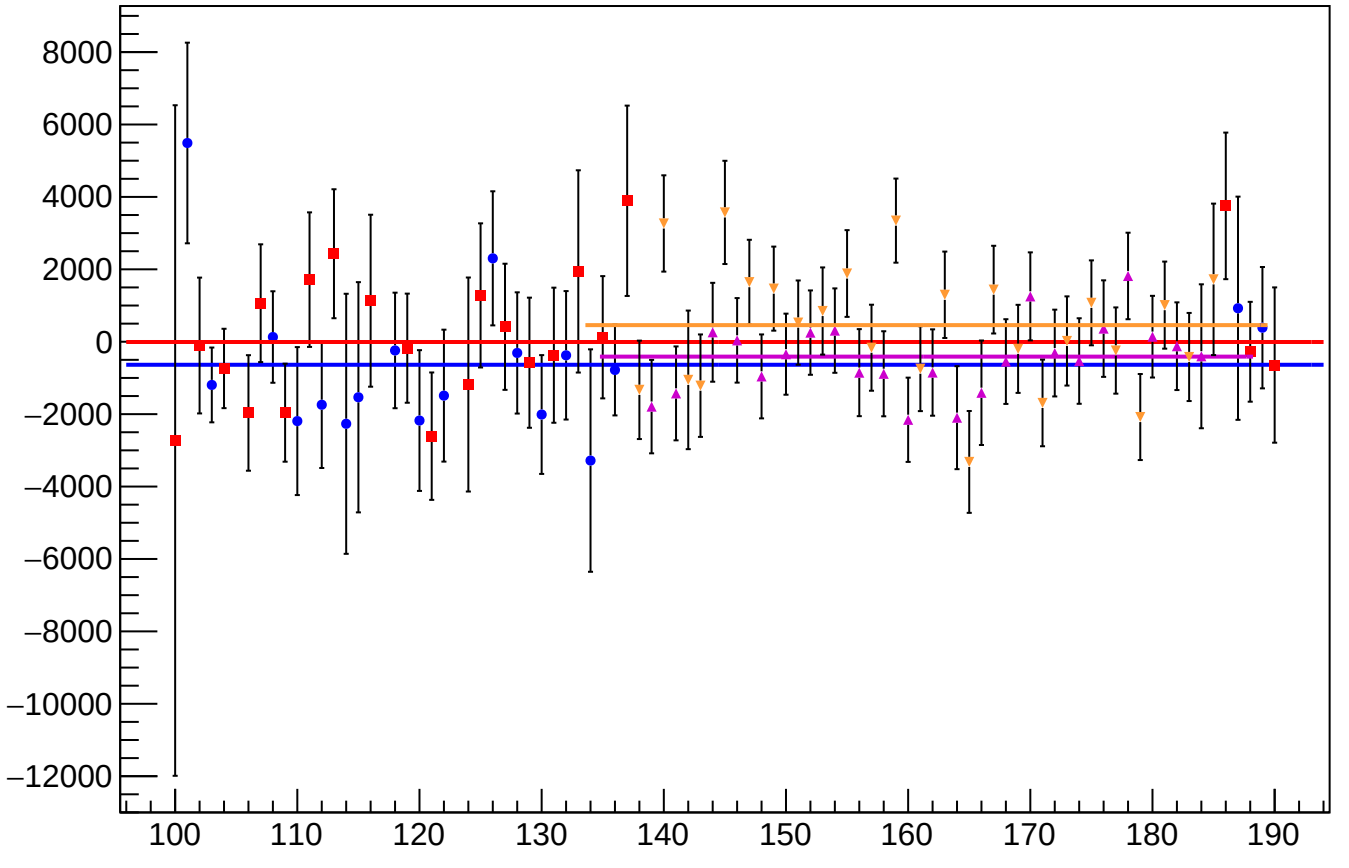
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

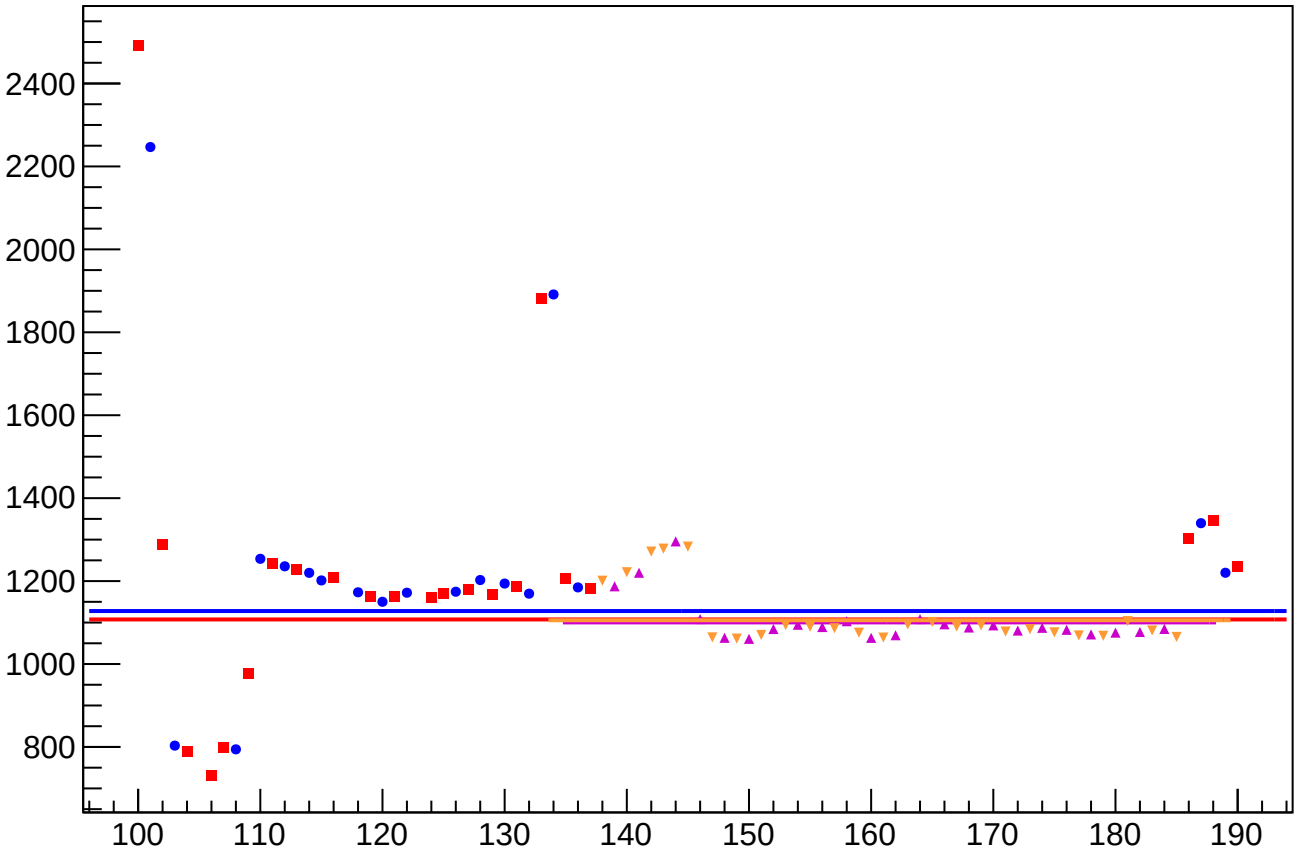
Right: 0.000+/-0.000 χ^2/NDF: 4995304.3/39

In: 0.000+/-0.000 χ^2/NDF:6358450.0/40

Out: 0.000+/-0.000 χ^2/NDF:7544064.0/46

All: 0.000+/-0.000 χ^2/NDF: 13903386.6/87


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -636.140+/-410.443 χ²/NDF: 12.4/17
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: -7.194+/-380.839 χ²/NDF: 16.8/21
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -298.169+/-279.174 χ²/NDF: 30.4/39
In: -474.669+/-217.945 χ²/NDF:26.3/40
Out: 317.248+/-209.889 χ²/NDF:59.9/46
All: -63.805+/-151.182 χ²/NDF: 93.0/87



Right In: 1127.762+/-0.290 χ^2/NDF: 836467.7/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1107.508+/-0.267 χ^2/NDF: 748076.6/21

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

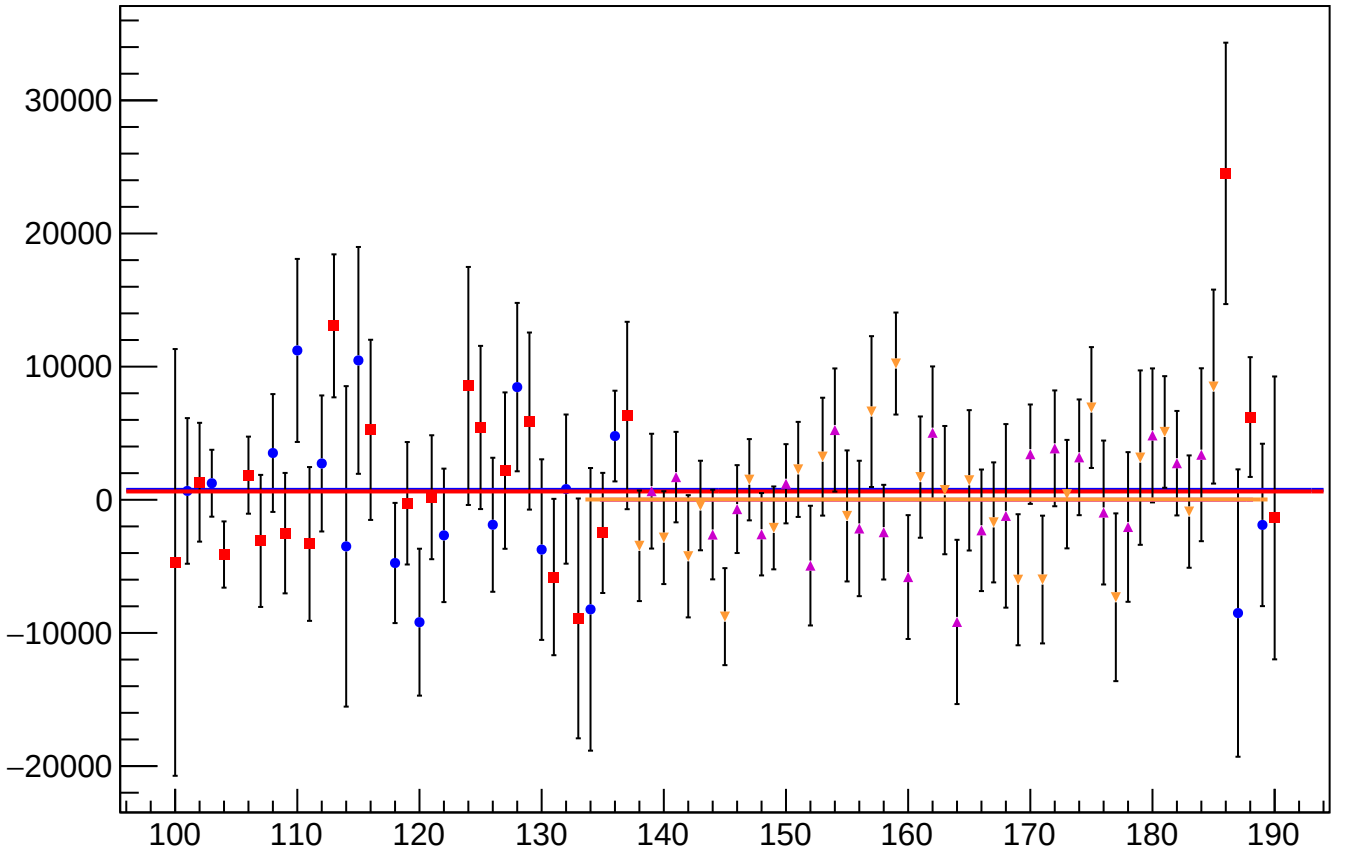
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1116.806+/-0.197 χ^2/NDF: 1587178.5/39

In: 1108.079+/-0.154 χ^2/NDF:923113.6/40

Out: 1106.150+/-0.148 χ^2/NDF:870063.7/46

All: 1107.076+/-0.107 χ^2/NDF: 1793258.8/87



Right In: 745.410+/-1200.811 χ^2/NDF: 14.8/17

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 625.563+/-1069.280 χ^2/NDF: 24.4/21

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

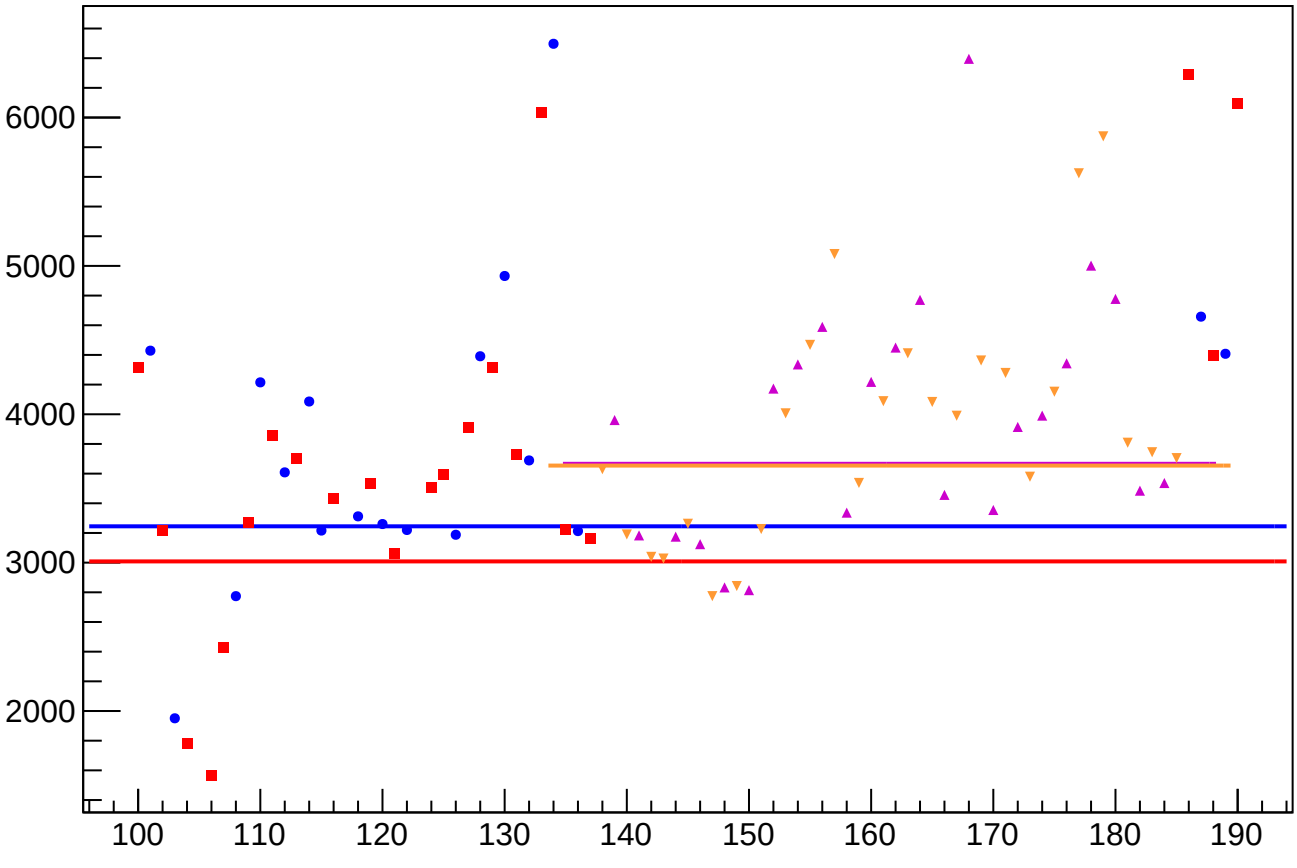
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 678.566+/-798.565 χ^2/NDF: 39.1/39

In: 262.745+/-707.307 χ^2/NDF:29.0/40

Out: 256.686+/-665.575 χ^2/NDF:53.1/46

All: 259.532+/-484.715 χ^2/NDF: 82.1/87



Right In: 3244.823+/-0.849 χ^2/NDF: 1204408.4/17

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3008.312+/-0.756 χ^2/NDF: 2135719.2/21

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

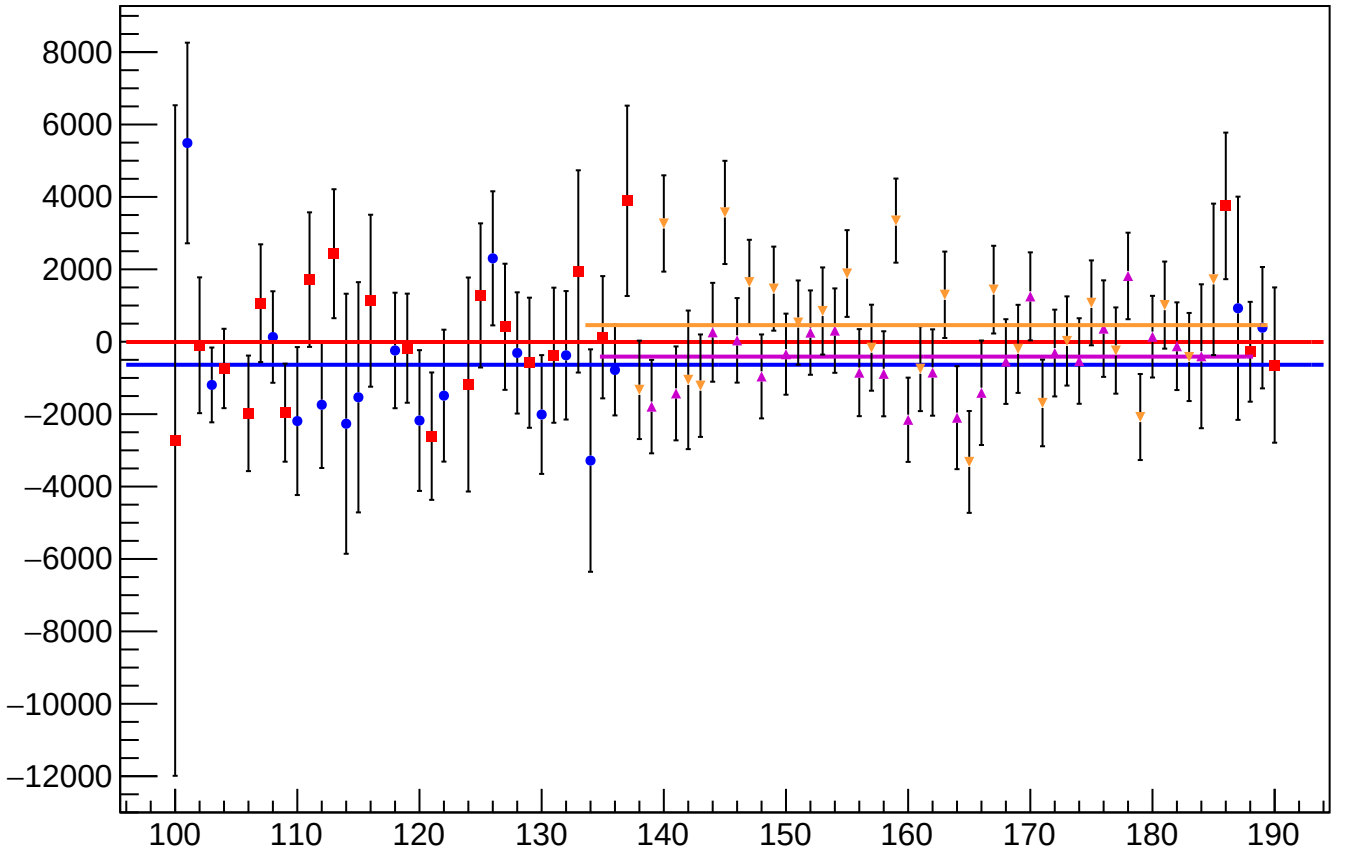
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3112.910+/-0.565 χ^2/NDF: 3383401.0/39

In: 3519.950+/-0.500 χ^2/NDF:2708885.3/40

Out: 3403.952+/-0.471 χ^2/NDF:3894475.5/46

All: 3458.428+/-0.343 χ^2/NDF: 6631890.2/87



Right In: -636.099+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -7.433+/-380.842 χ^2/NDF: 16.8/21

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

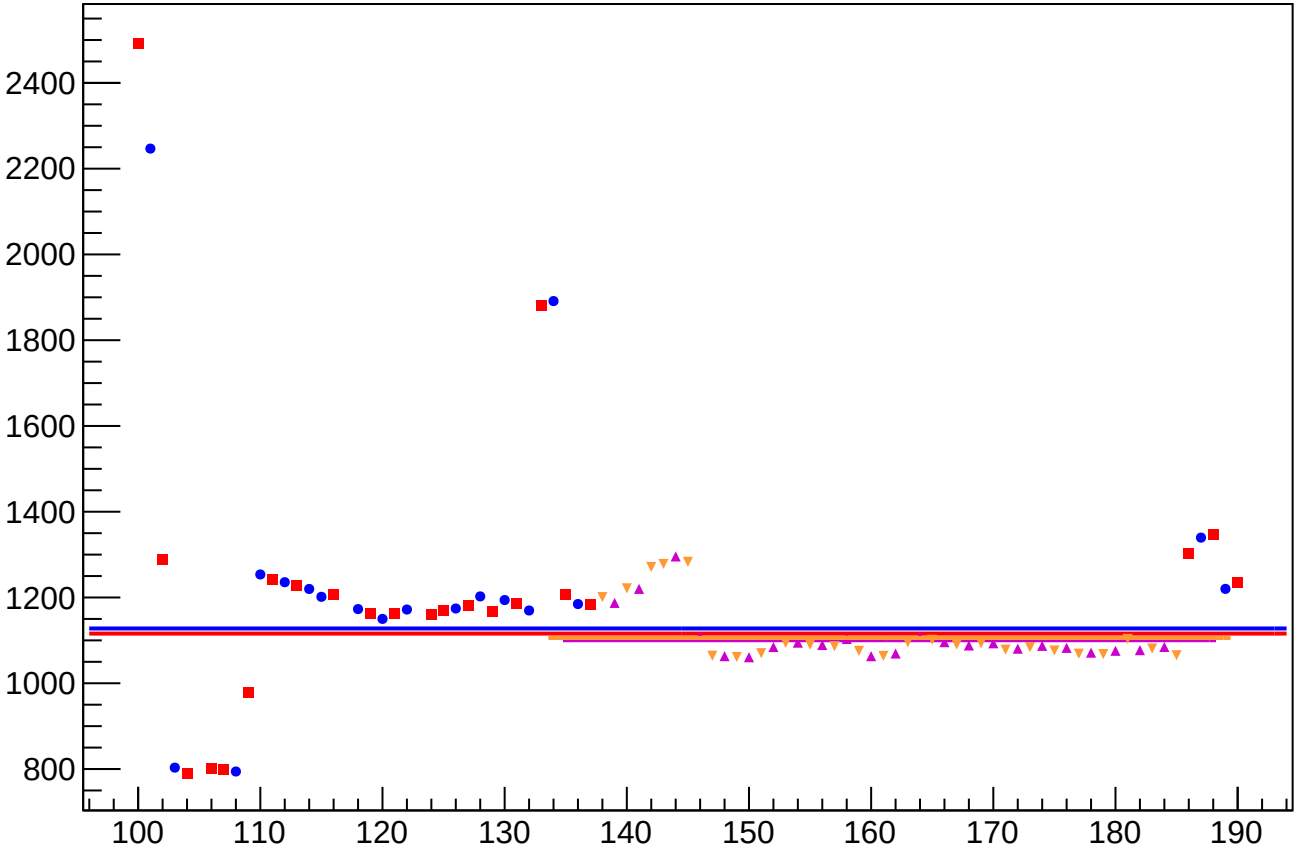
Right: -298.281+/-279.175 χ^2/NDF: 30.4/39

In: -474.587+/-217.945 χ^2/NDF:26.3/40

Out: 317.220+/-209.890 χ^2/NDF:59.9/46

All: -63.781+/-151.182 χ^2/NDF: 93.0/87

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1127.762+/-0.290 χ^2/NDF: 836464.1/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1115.825+/-0.269 χ^2/NDF: 686139.7/21

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

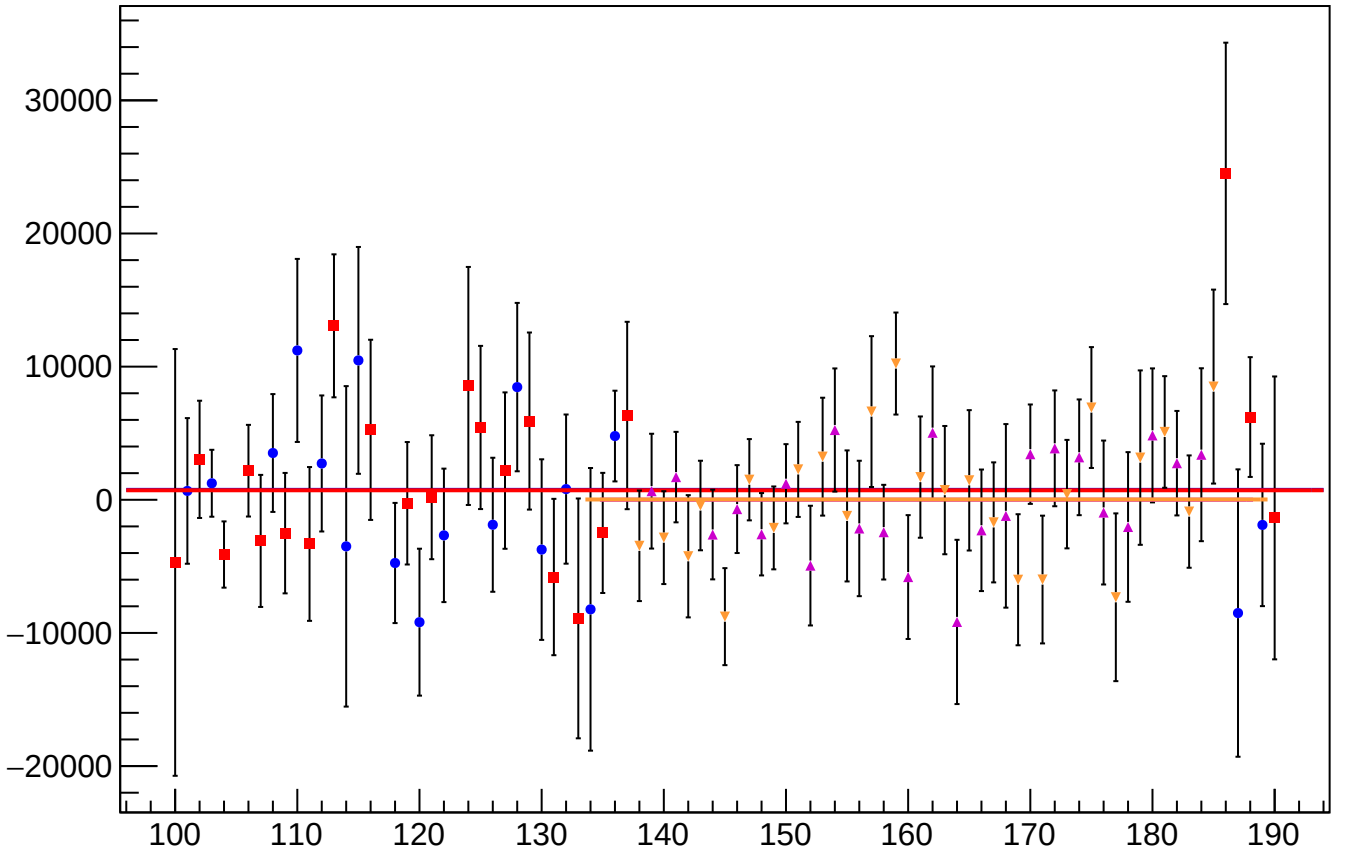
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1121.338+/-0.197 χ^2/NDF: 1523514.2/39

In: 1108.079+/-0.154 χ^2/NDF:923110.3/40

Out: 1108.677+/-0.148 χ^2/NDF:809105.9/46

All: 1108.390+/-0.107 χ^2/NDF: 1732224.1/87



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 714.977+/-1090.452 χ^2/NDF: 24.7/21

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

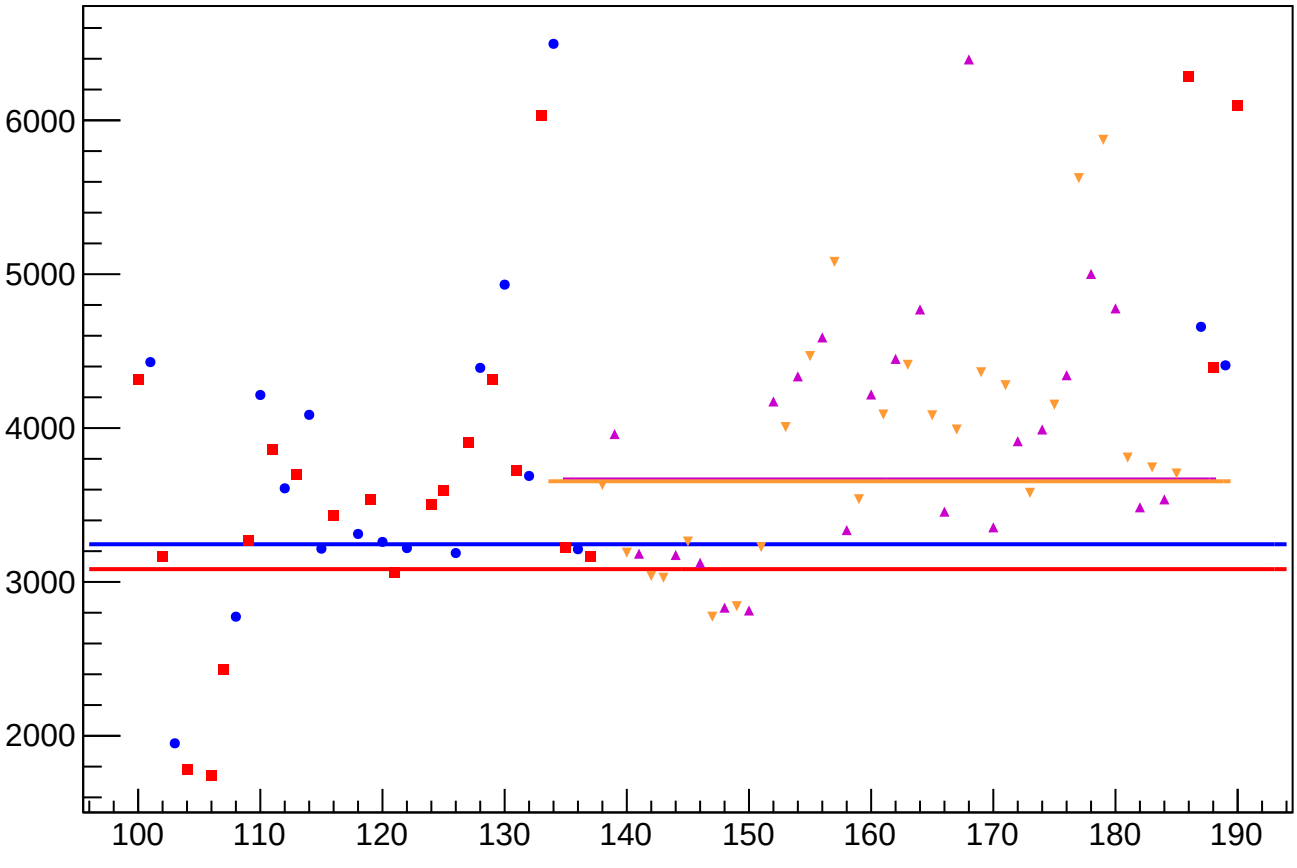
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 728.507+/-807.282 χ^2/NDF: 39.4/39

In: 262.594+/-707.316 χ^2/NDF:29.0/40

Out: 284.920+/-670.589 χ^2/NDF:53.4/46

All: 274.351+/-486.644 χ^2/NDF: 82.4/87



Right In: 3245.003+/-0.849 χ^2/NDF: 1203935.7/17

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3083.295+/-0.771 χ^2/NDF: 1897659.6/21

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

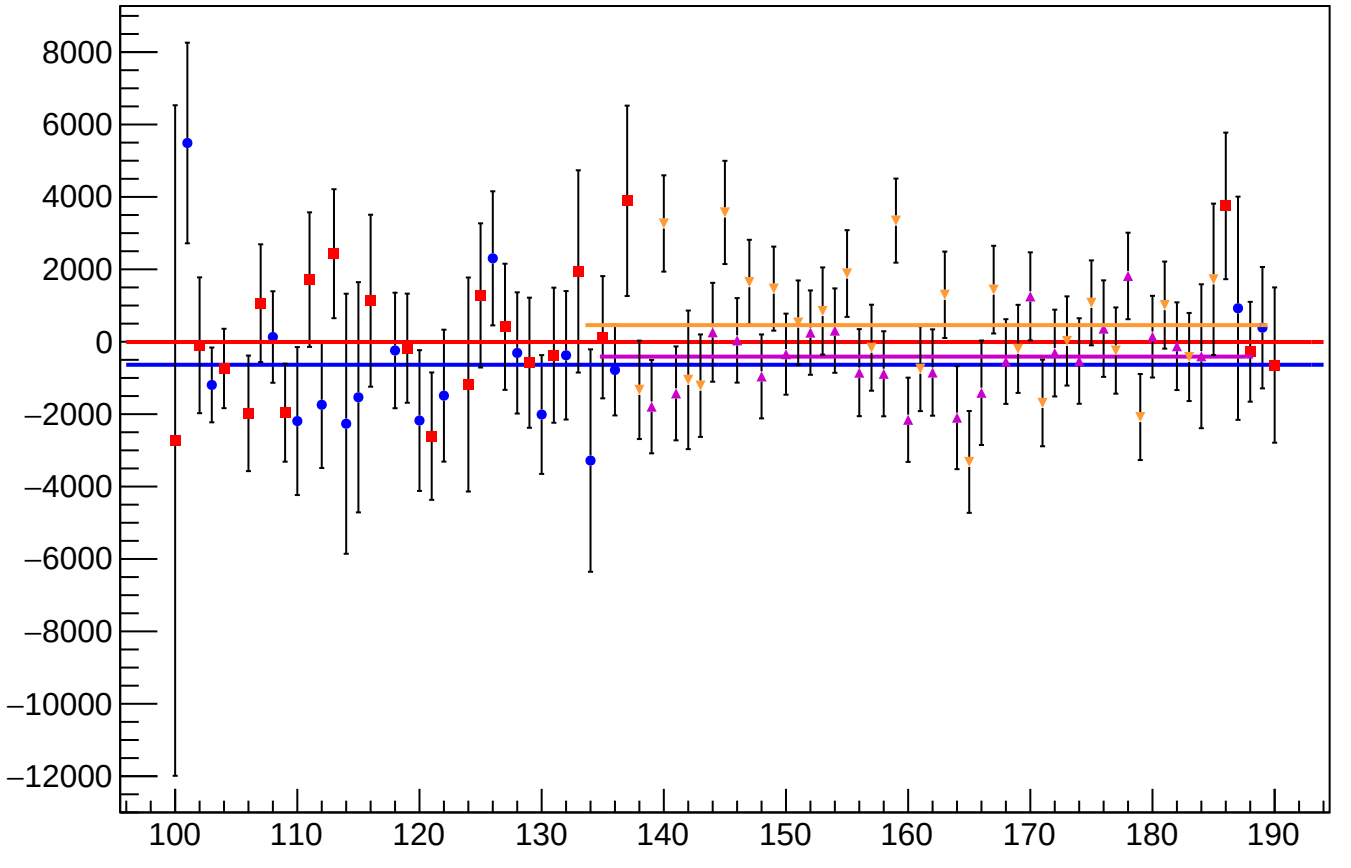
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3156.375+/-0.571 χ^2/NDF: 3121472.2/39

In: 3520.017+/-0.500 χ^2/NDF:2708267.2/40

Out: 3438.291+/-0.474 χ^2/NDF:3550308.5/46

All: 3476.977+/-0.344 χ^2/NDF: 6272637.3/87



Right In: -636.099+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -7.433+/-380.842 χ^2/NDF: 16.8/21

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

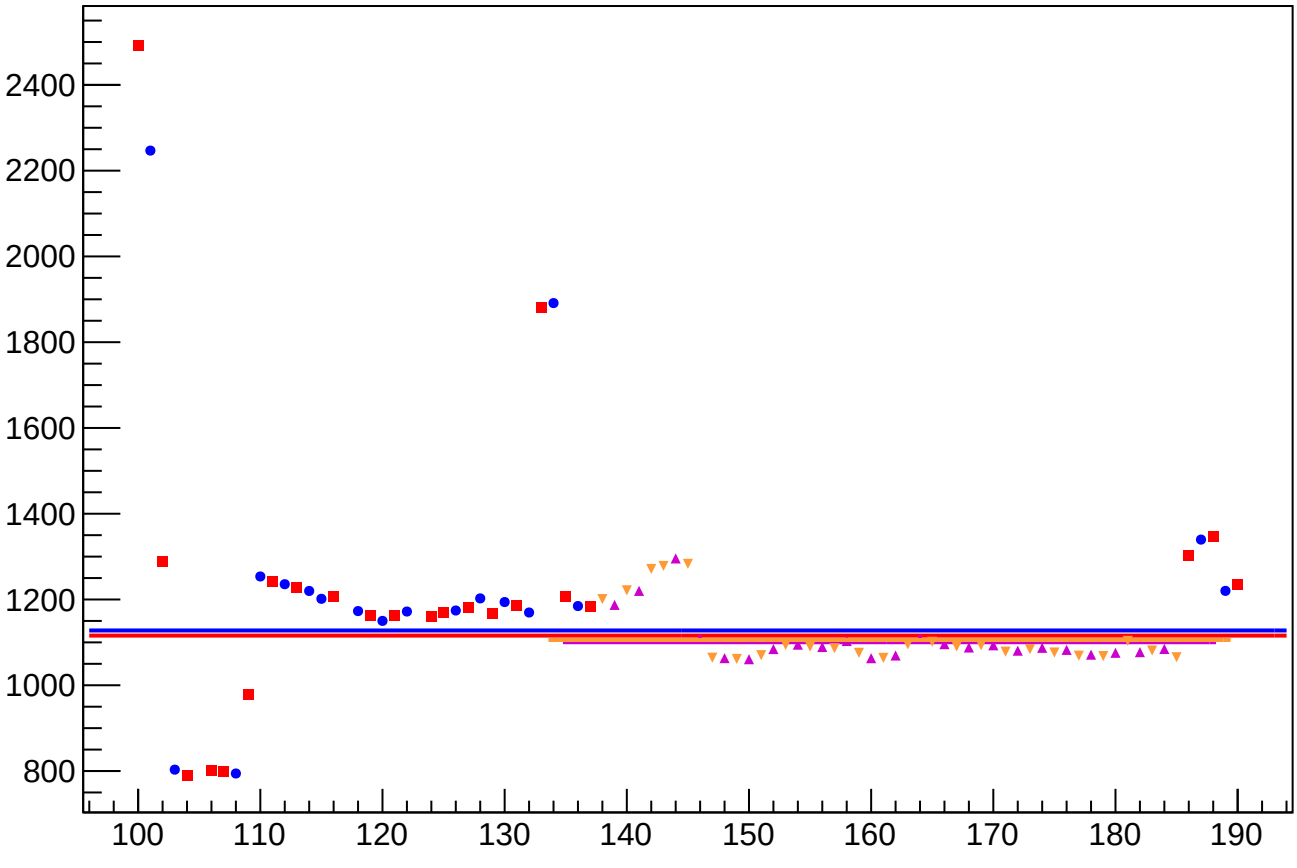
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -298.281+/-279.175 χ^2/NDF: 30.4/39

In: -474.587+/-217.945 χ^2/NDF:26.3/40

Out: 317.220+/-209.890 χ^2/NDF:59.9/46

All: -63.781+/-151.182 χ^2/NDF: 93.0/87



Right In: 1127.762+/-0.290 χ^2/NDF: 836464.1/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1115.825+/-0.269 χ^2/NDF: 686139.7/21

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

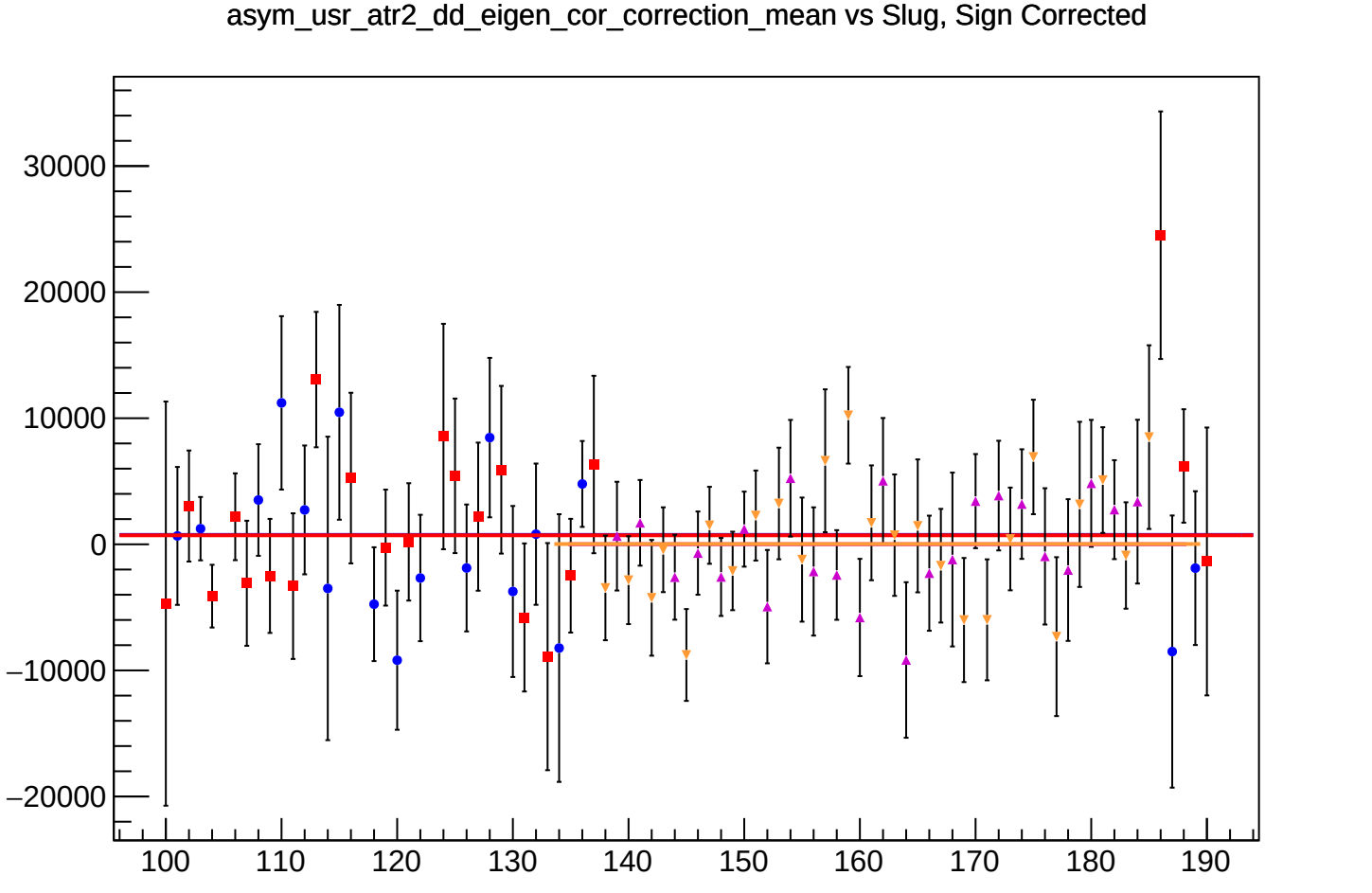
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1121.338+/-0.197 χ^2/NDF: 1523514.2/39

In: 1108.079+/-0.154 χ^2/NDF:923110.3/40

Out: 1108.677+/-0.148 χ^2/NDF:809105.9/46

All: 1108.390+/-0.107 χ^2/NDF: 1732224.1/87



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 714.977+/-1090.452 χ^2/NDF: 24.7/21

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

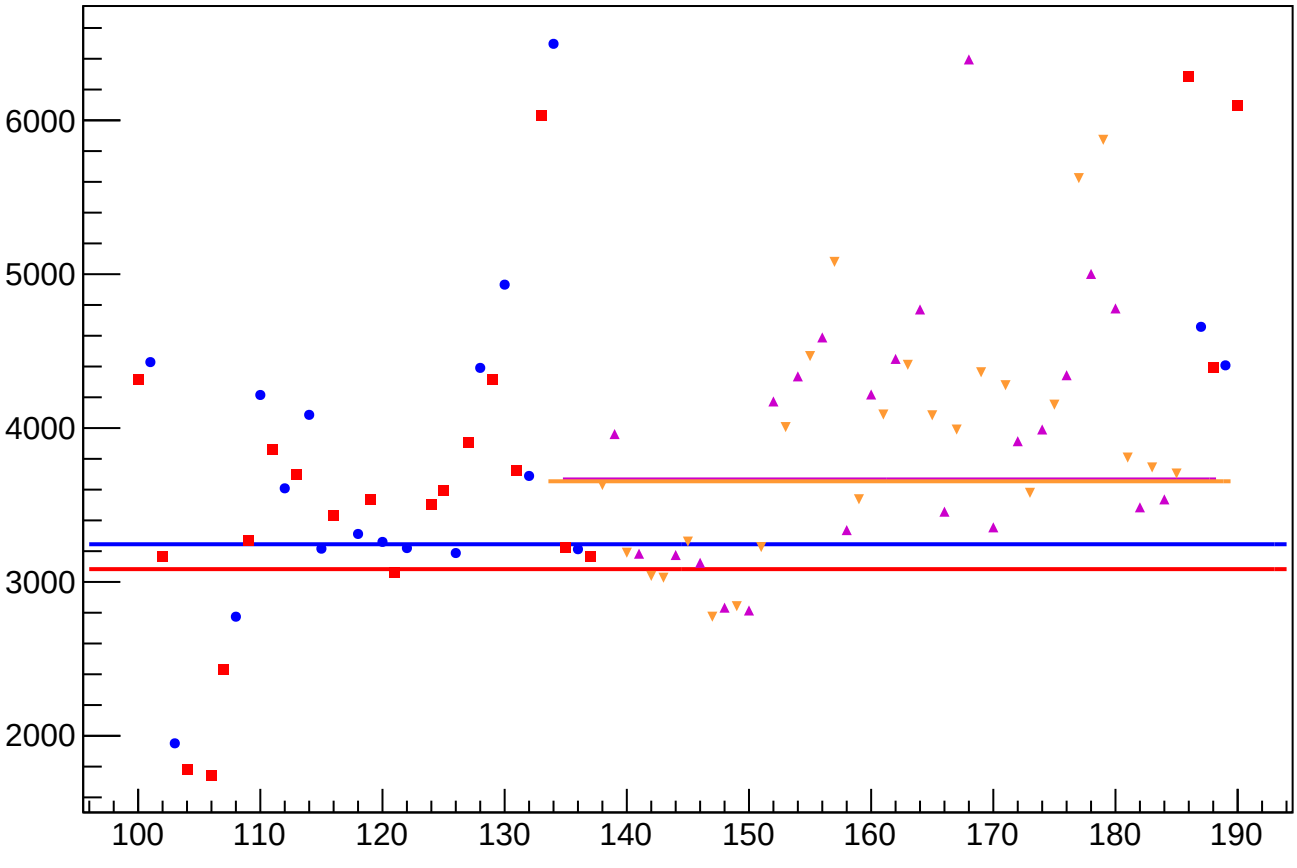
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 728.507+/-807.282 χ^2/NDF: 39.4/39

In: 262.594+/-707.316 χ^2/NDF:29.0/40

Out: 284.920+/-670.589 χ^2/NDF:53.4/46

All: 274.351+/-486.644 χ^2/NDF: 82.4/87


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
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2000
100
110
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140
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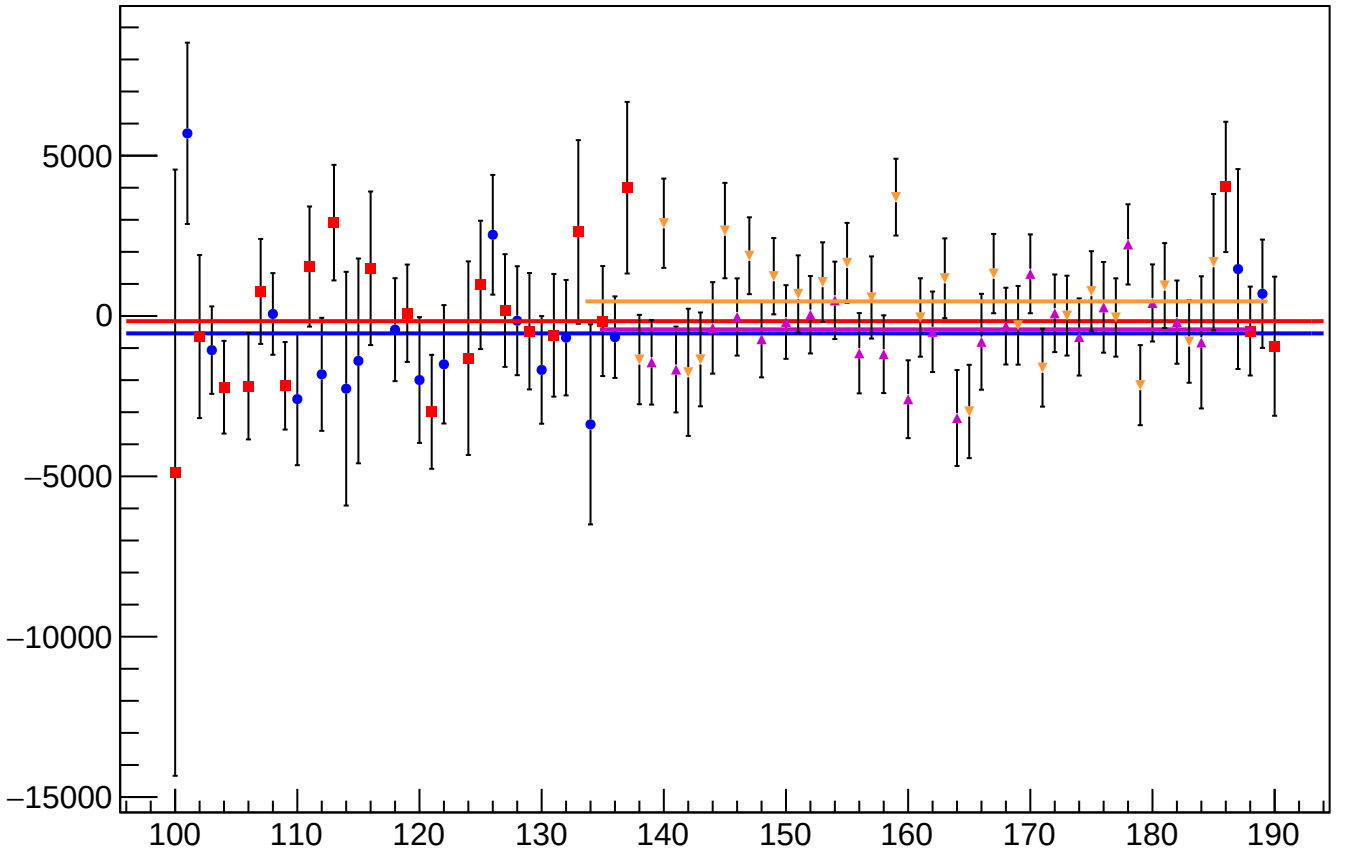
160
170
180
190
Right In: 3245.003+/-0.849 χ²/NDF: 1203935.7/17
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3083.295+/-0.771 χ²/NDF: 1897659.6/21
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3156.375+/-0.571 χ²/NDF: 3121472.2/39
In: 3520.017+/-0.500 χ²/NDF:2708267.2/40
Out: 3438.291+/-0.474 χ²/NDF:3550308.5/46
All: 3476.977+/-0.344 χ²/NDF: 6272637.3/87



Right In: -542.133+/-429.344 χ^2/NDF: 12.9/17

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -160.707+/-399.221 χ^2/NDF: 21.5/21

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

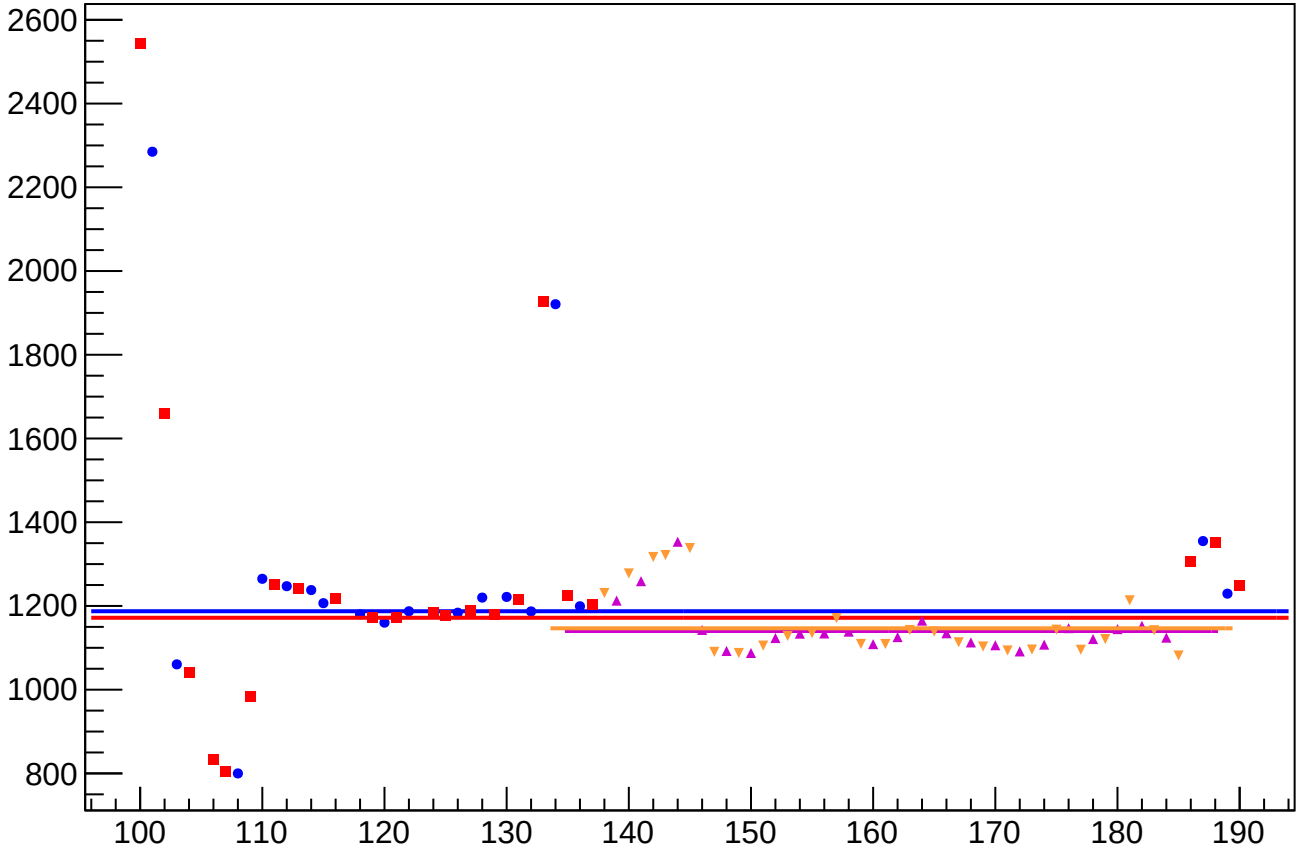
Right: -337.572+/-292.362 χ^2/NDF: 34.8/39

In: -451.965+/-226.477 χ^2/NDF:30.3/40

Out: 271.129+/-218.460 χ^2/NDF:59.3/46

All: -77.393+/-157.232 χ^2/NDF: 94.8/87

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1187.383+/-0.304 χ^2/NDF: 629303.3/17

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1171.776+/-0.282 χ^2/NDF: 550896.1/21

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

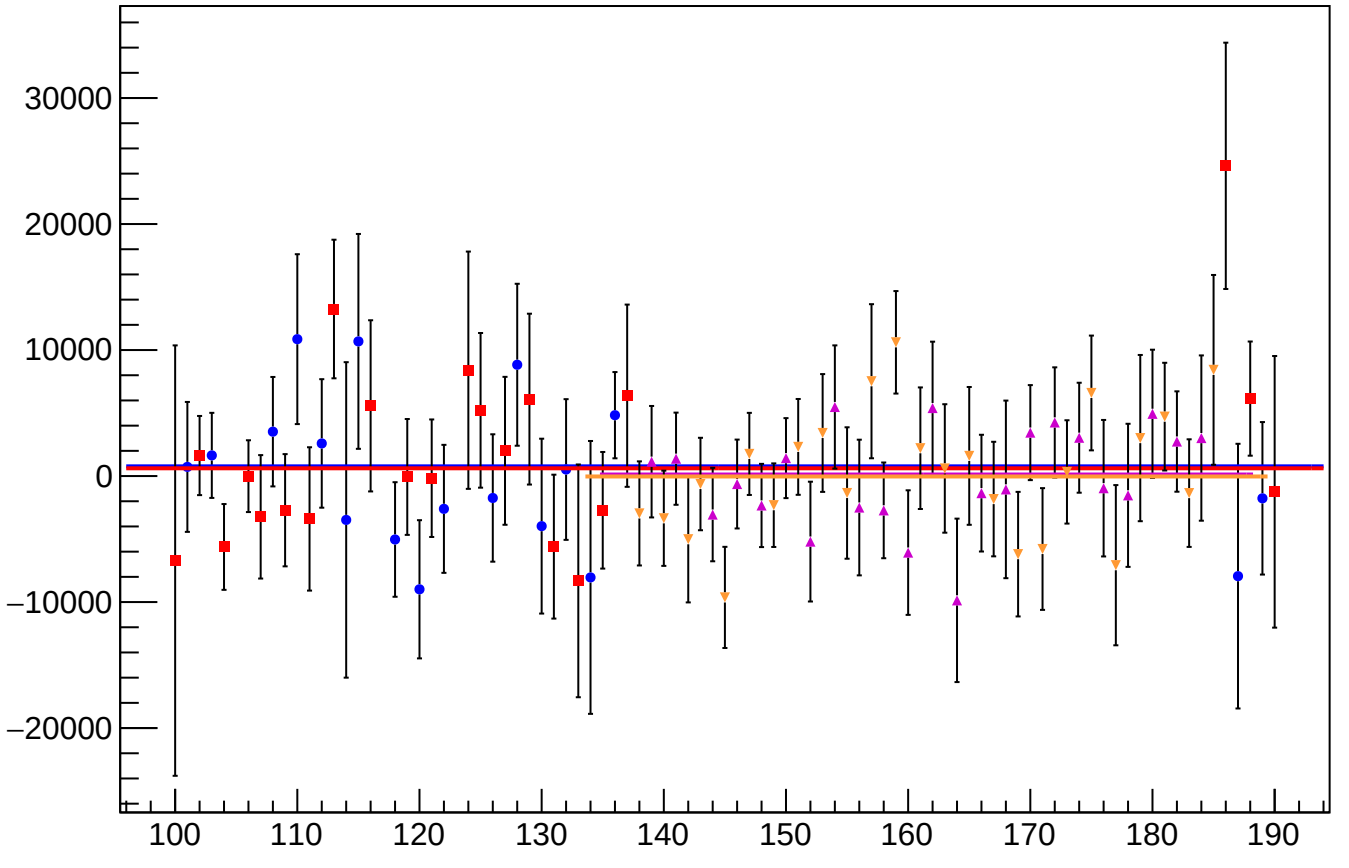
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1179.010+/-0.207 χ^2/NDF: 1181617.3/39

In: 1153.306+/-0.160 χ^2/NDF:731497.9/40

Out: 1154.152+/-0.154 χ^2/NDF:697481.2/46

All: 1153.744+/-0.111 χ^2/NDF: 1428993.5/87



Right In: 769.561+/-1264.017 χ^2/NDF: 14.8/17

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 615.194+/-1084.702 χ^2/NDF: 24.0/21

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

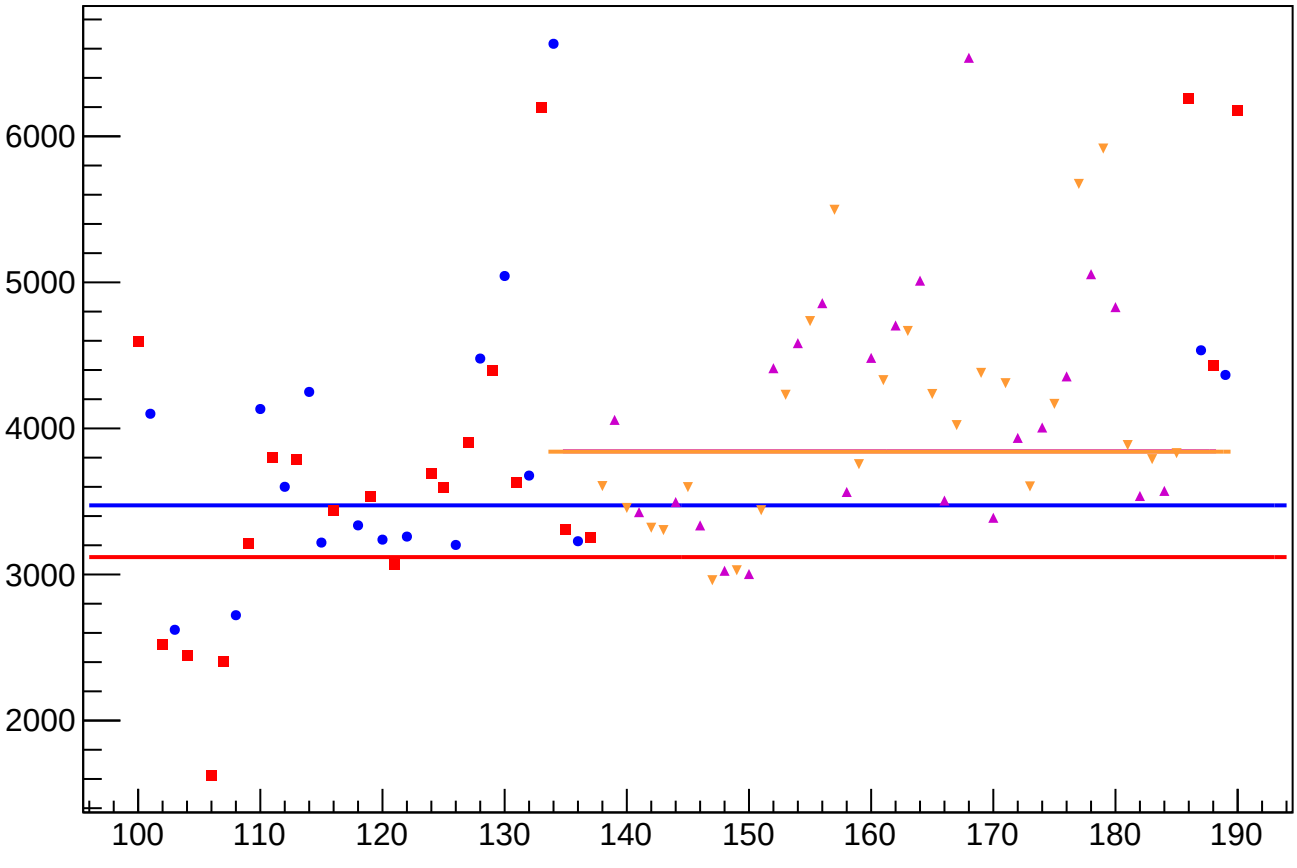
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 680.660+/-823.162 χ^2/NDF: 38.8/39

In: 344.260+/-741.566 χ^2/NDF:28.7/40

Out: 227.954+/-688.672 χ^2/NDF:52.0/46

All: 281.811+/-504.629 χ^2/NDF: 80.7/87



Right In: 3473.288+/-0.894 χ^2/NDF: 660256.4/17

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3119.074+/-0.767 χ^2/NDF: 1742266.5/21

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

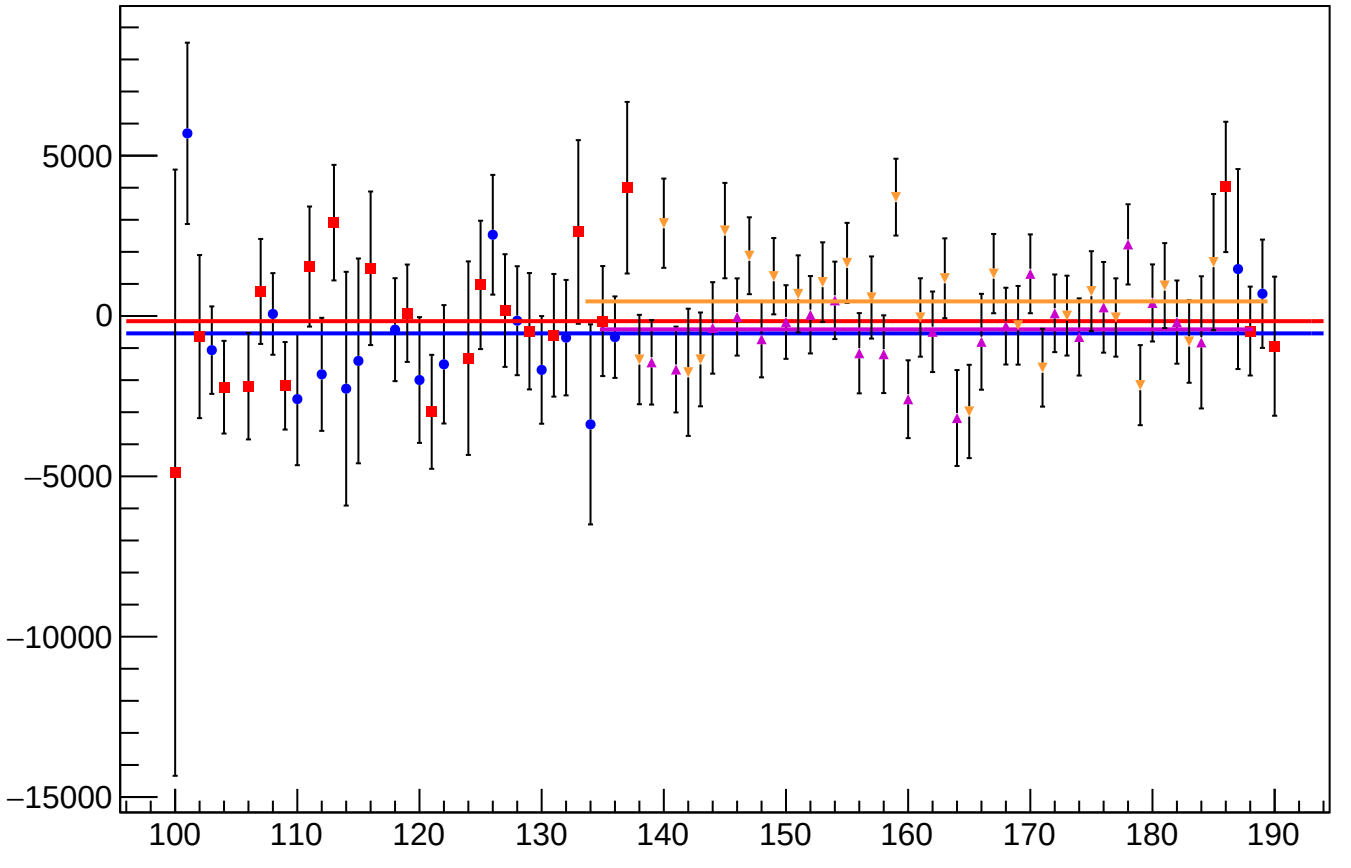
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3269.295+/-0.582 χ^2/NDF: 2492972.5/39

In: 3715.965+/-0.524 χ^2/NDF:1968723.2/40

Out: 3549.896+/-0.487 χ^2/NDF:3389498.0/46

All: 3626.797+/-0.357 χ^2/NDF: 5412076.2/87



Right In: -542.137+/-429.343 χ^2/NDF: 12.9/17

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -160.712+/-399.221 χ^2/NDF: 21.5/21

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

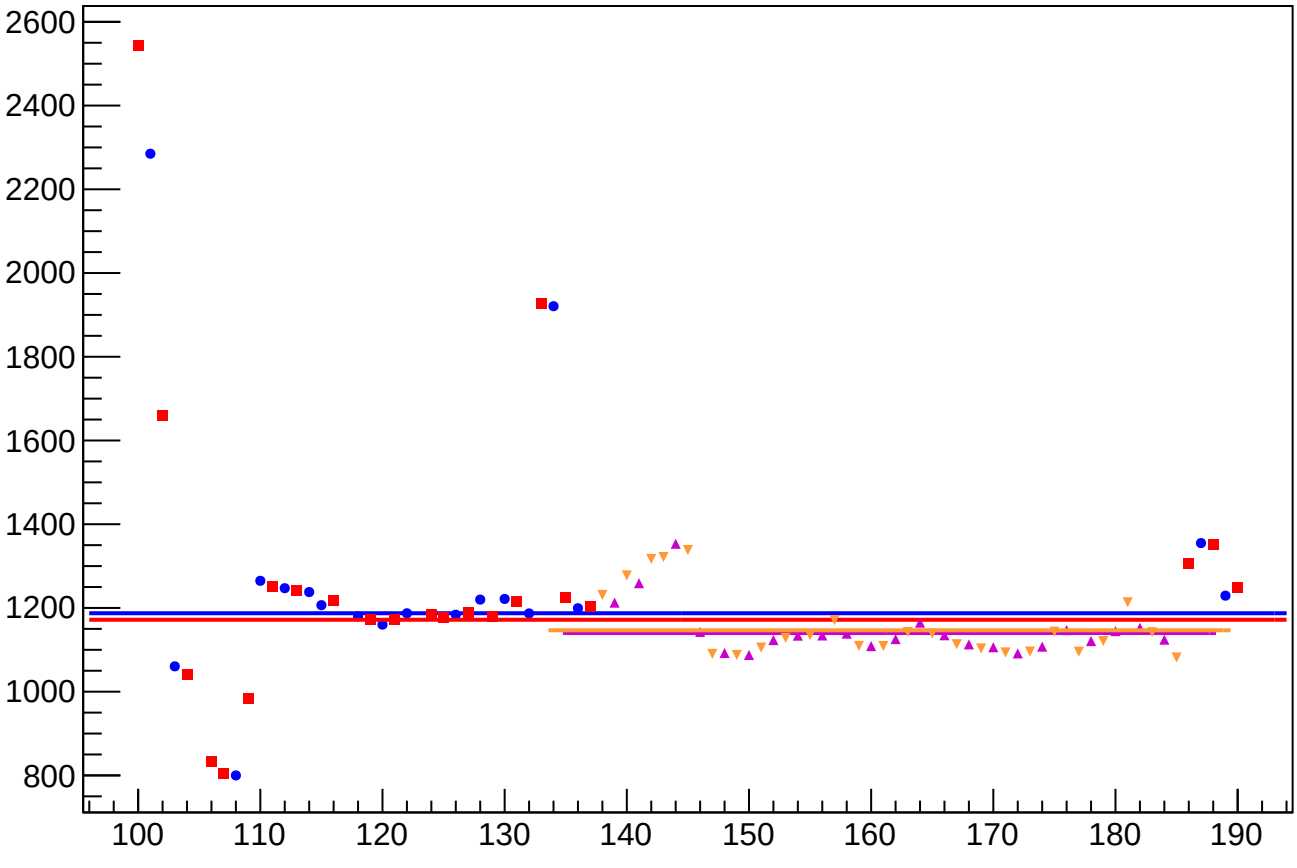
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -337.576+/-292.362 χ^2/NDF: 34.8/39

In: -451.965+/-226.477 χ^2/NDF:30.3/40

Out: 271.130+/-218.460 χ^2/NDF:59.3/46

All: -77.392+/-157.232 χ^2/NDF: 94.8/87



Right In: 1187.383+/-0.304 χ^2/NDF: 629303.5/17

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1171.777+/-0.282 χ^2/NDF: 550895.5/21

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

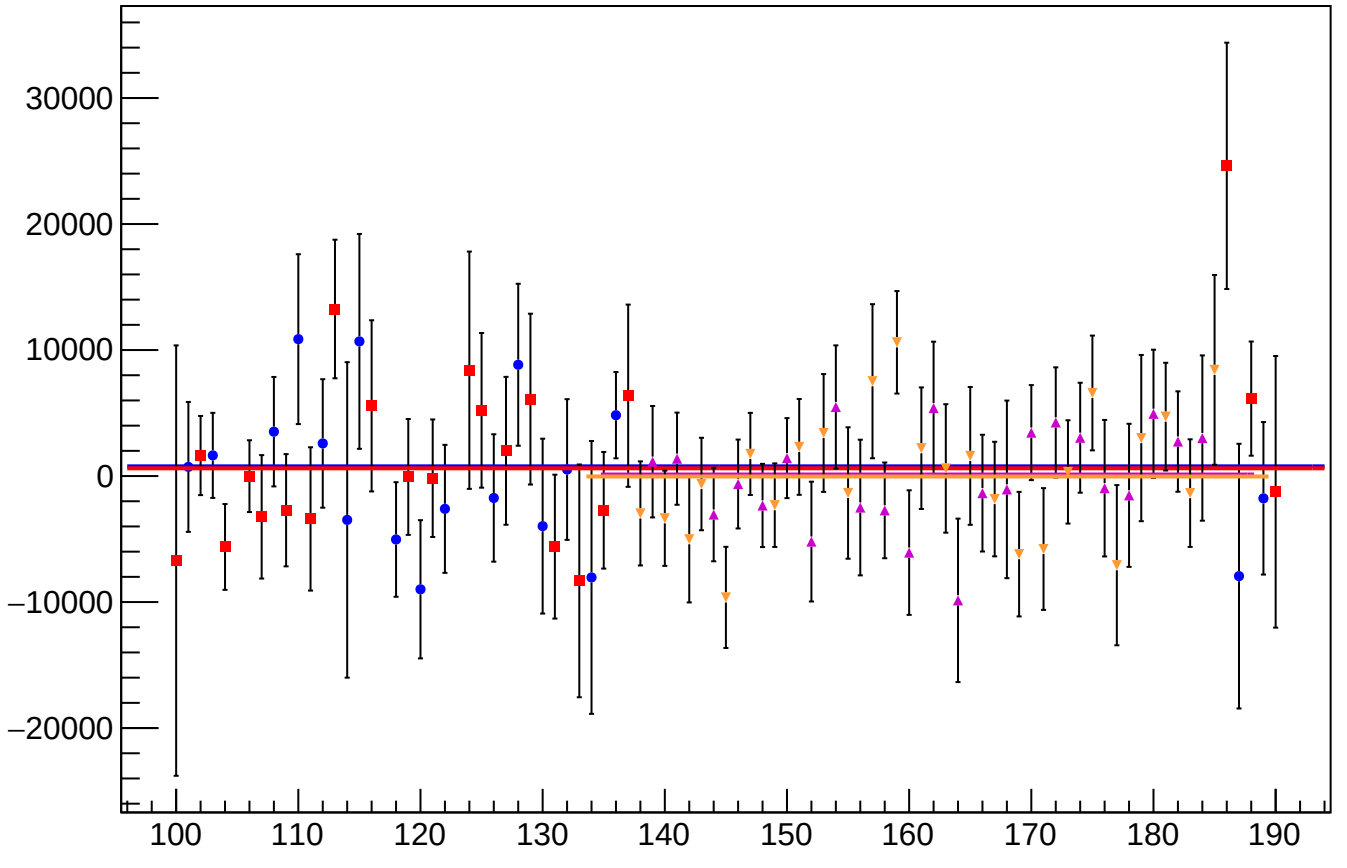
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1179.010+/-0.207 χ^2/NDF: 1181616.8/39

In: 1153.306+/-0.160 χ^2/NDF:731497.1/40

Out: 1154.153+/-0.154 χ^2/NDF:697480.4/46

All: 1153.745+/-0.111 χ^2/NDF: 1428992.0/87



Right In: 769.545+/-1264.016 χ^2/NDF: 14.8/17

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 615.185+/-1084.700 χ^2/NDF: 24.0/21

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

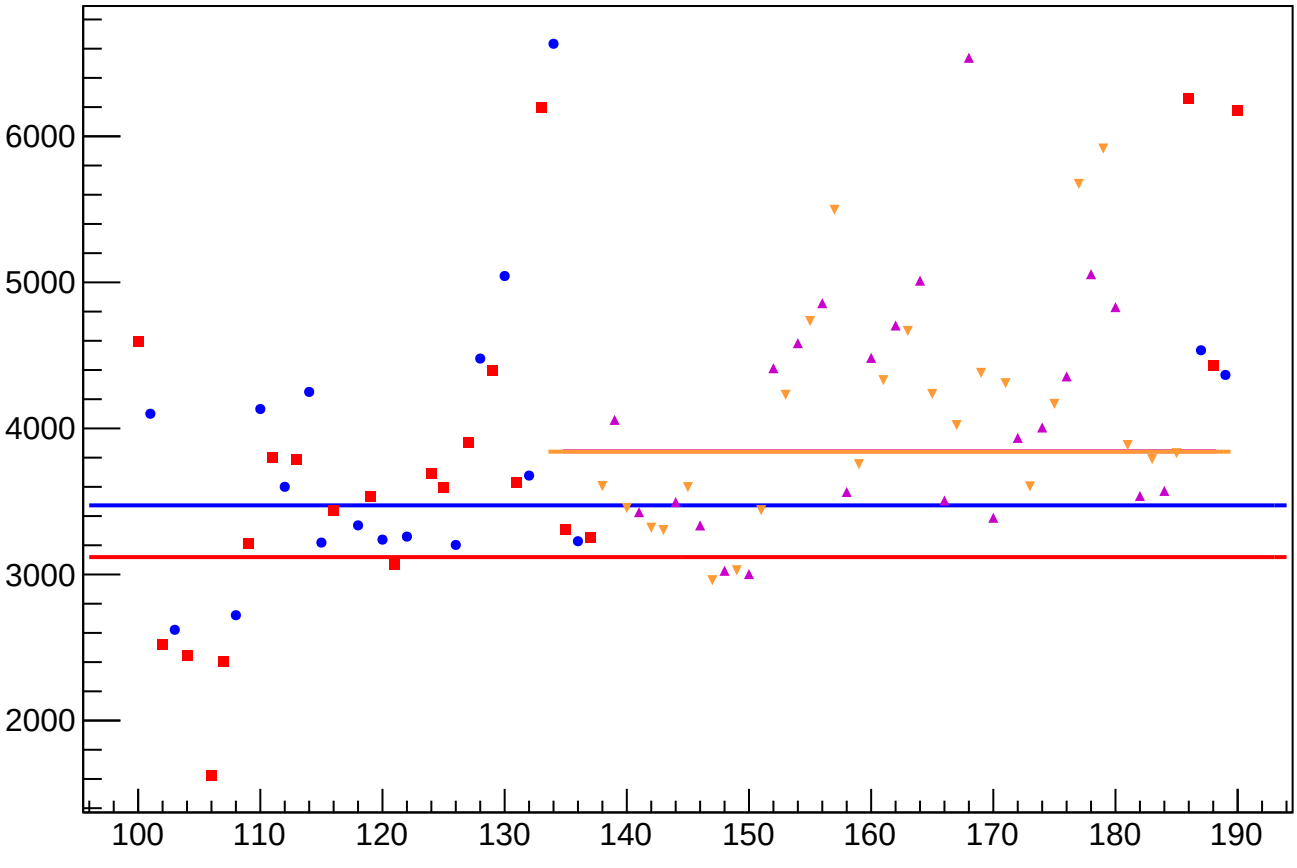
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 680.649+/-823.161 χ^2/NDF: 38.8/39

In: 344.257+/-741.567 χ^2/NDF:28.7/40

Out: 227.952+/-688.672 χ^2/NDF:52.0/46

All: 281.809+/-504.629 χ^2/NDF: 80.7/87



Right In: 3473.285+/-0.894 χ^2/NDF: 660253.3/17

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3119.069+/-0.767 χ^2/NDF: 1742268.3/21

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

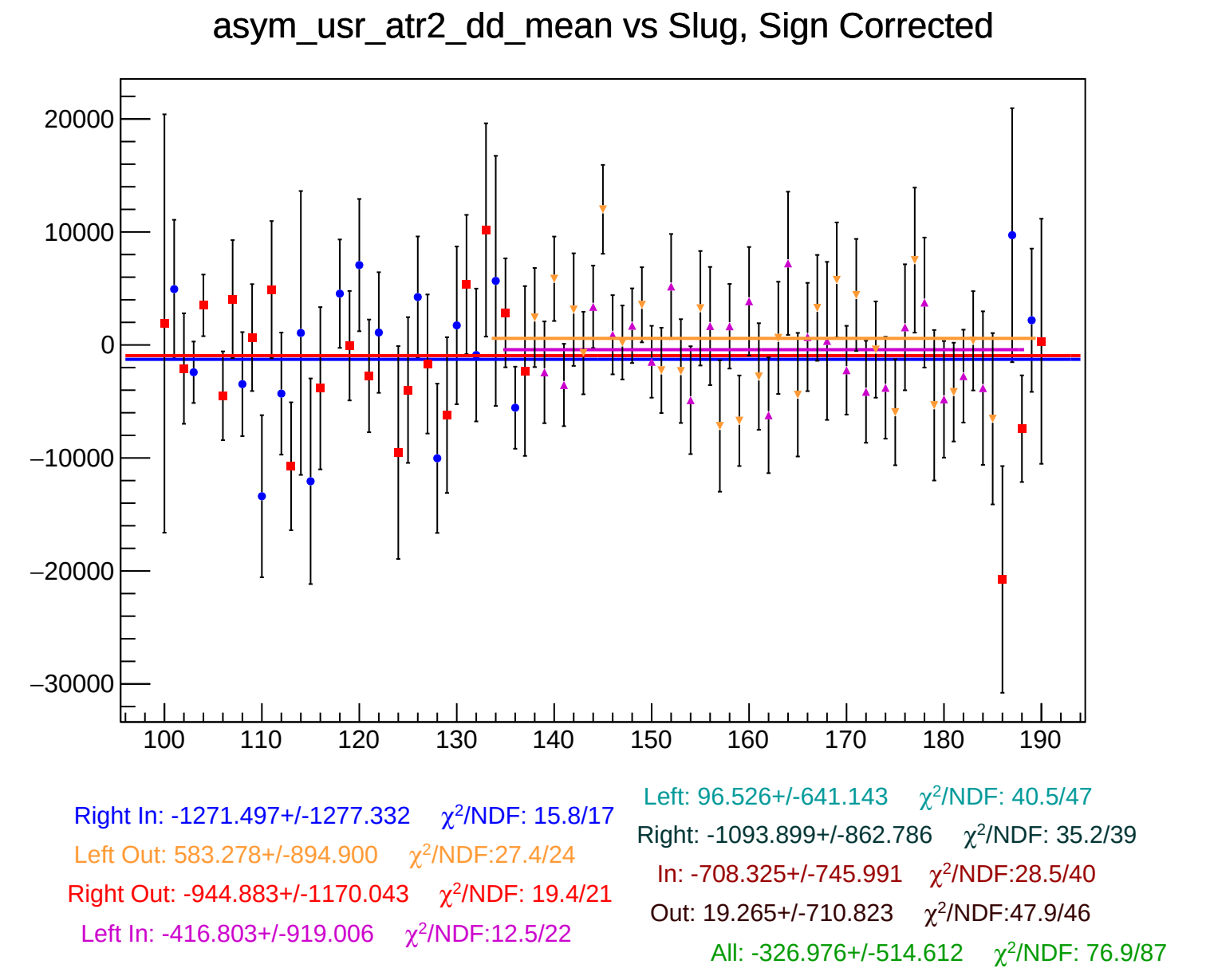
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3269.291+/-0.582 χ^2/NDF: 2492972.3/39

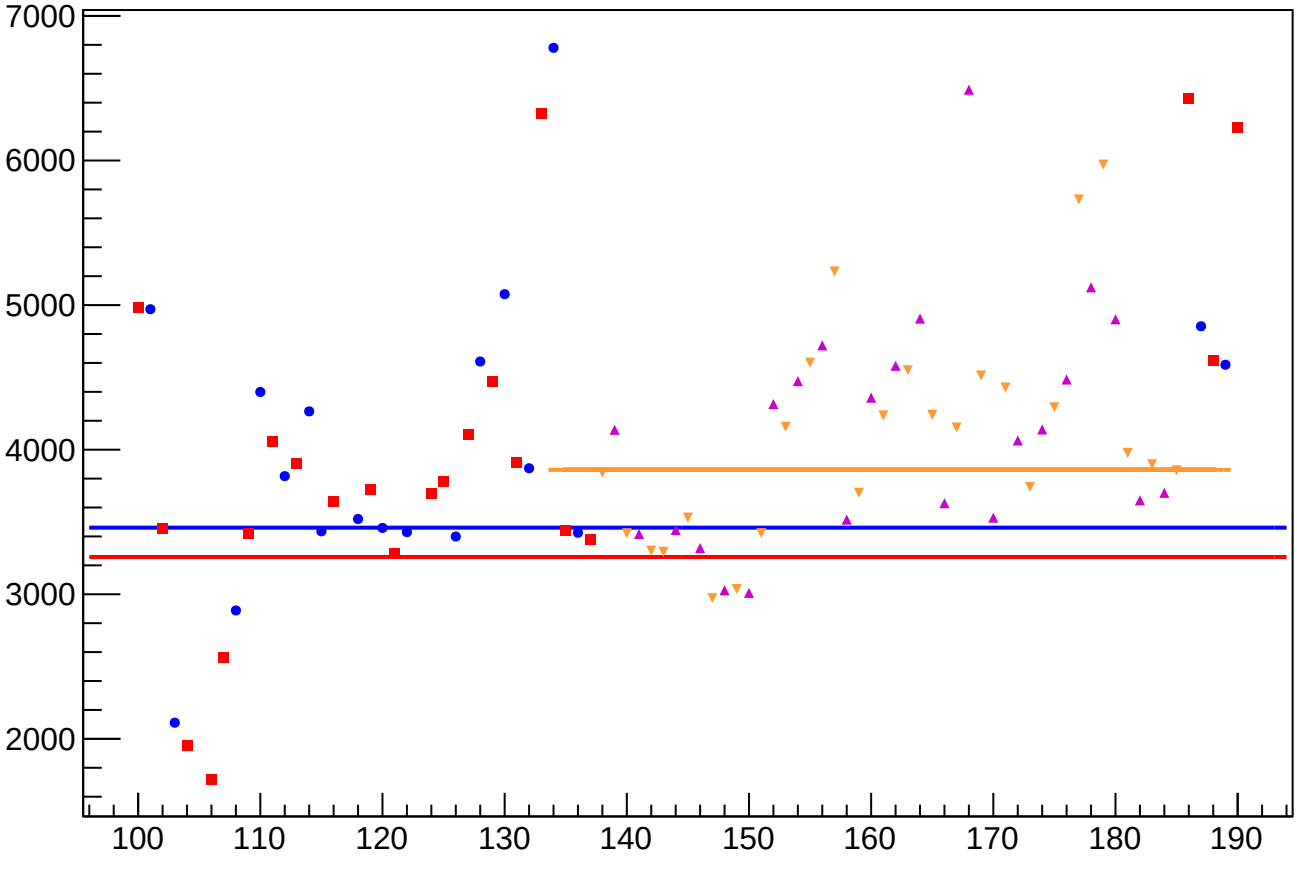
In: 3715.967+/-0.524 χ^2/NDF:1968728.8/40

Out: 3549.897+/-0.487 χ^2/NDF:3389516.5/46

All: 3626.798+/-0.357 χ^2/NDF: 5412101.3/87


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1271.497+/-1277.332 χ²/NDF: 15.8/17
Left Out: 583.278+/-894.900 χ²/NDF:27.4/24
Right Out: -944.883+/-1170.043 χ²/NDF: 19.4/21
Left In: -416.803+/-919.006 χ²/NDF:12.5/22
Left: 96.526+/-641.143 χ²/NDF: 40.5/47
Right: -1093.899+/-862.786 χ²/NDF: 35.2/39
In: -708.325+/-745.991 χ²/NDF:28.5/40
Out: 19.265+/-710.823 χ²/NDF:47.9/46
All: -326.976+/-514.612 χ²/NDF: 76.9/87

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3460.685+/-0.903 χ^2/NDF: 1147838.5/17

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3257.893+/-0.815 χ^2/NDF: 1883661.0/21

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

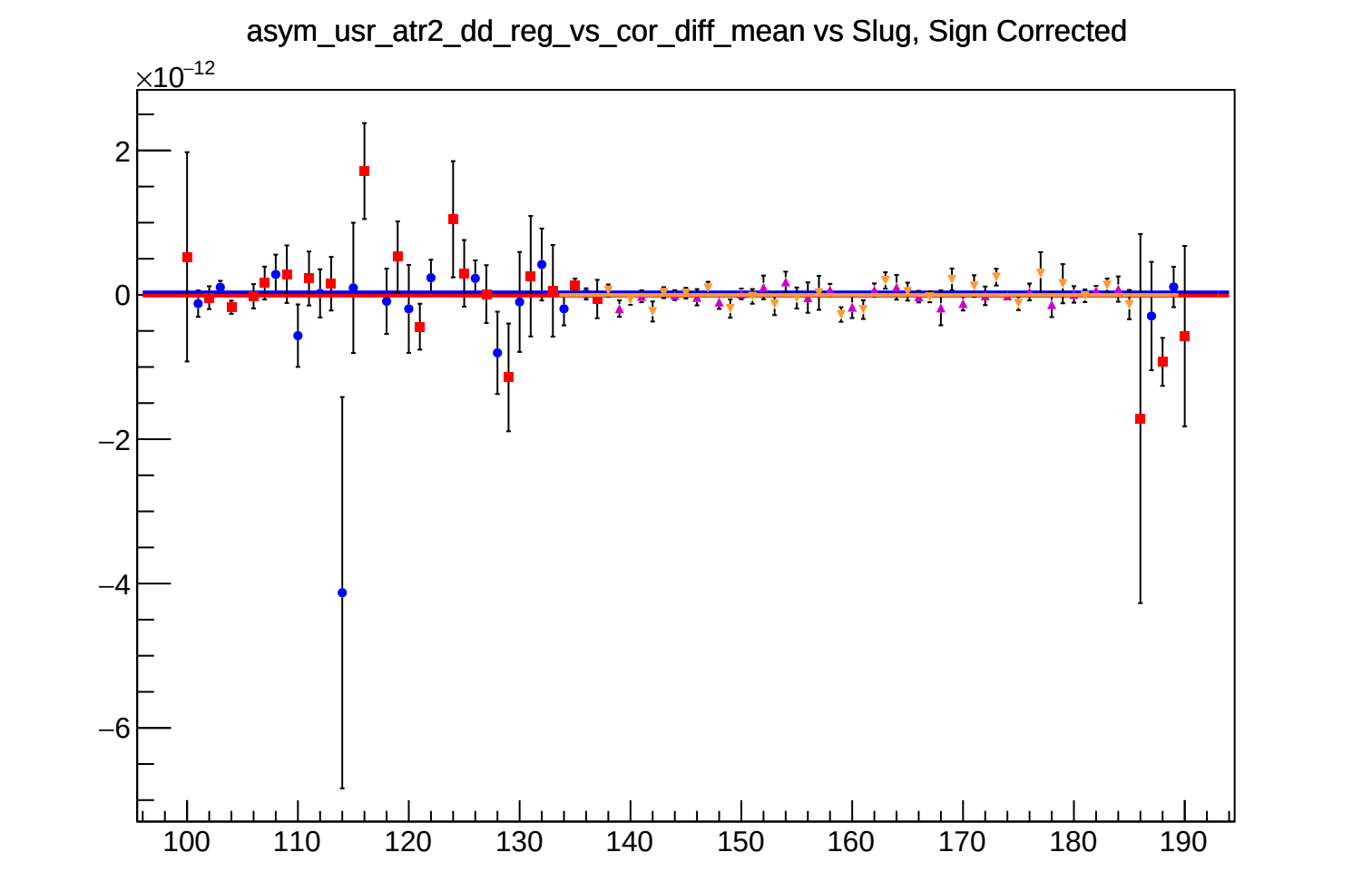
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3348.864+/-0.605 χ^2/NDF: 3059296.6/39

In: 3725.342+/-0.527 χ^2/NDF:2420322.0/40

Out: 3633.760+/-0.500 χ^2/NDF:3322256.1/46

All: 3677.078+/-0.363 χ^2/NDF: 5758463.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 12.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/21

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

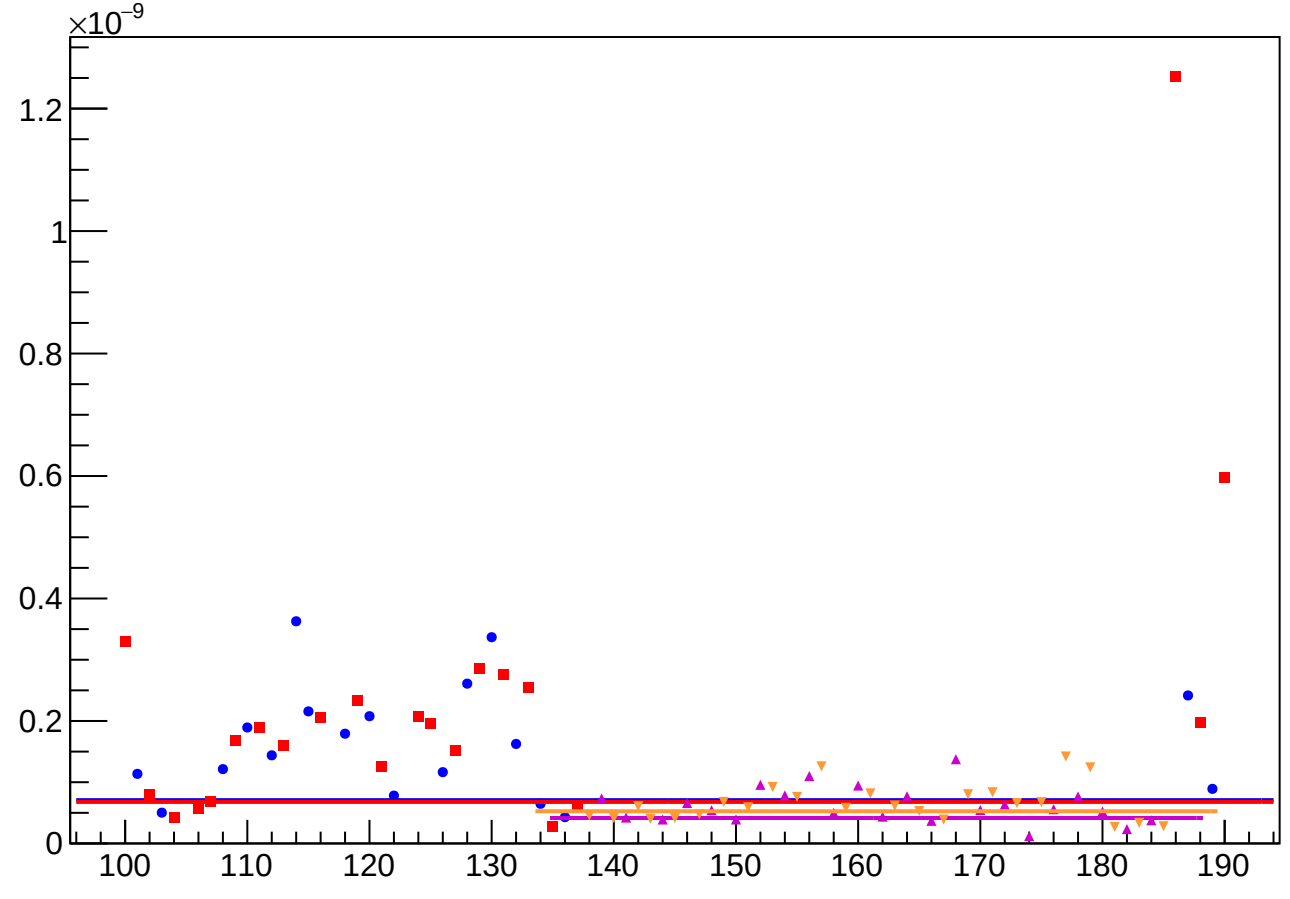
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 42.9/39

In: -0.000+/-0.000 χ^2/NDF:25.6/40

Out: -0.000+/-0.000 χ^2/NDF:64.6/46

All: -0.000+/-0.000 χ^2/NDF: 90.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 1843126.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3359650.0/21

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

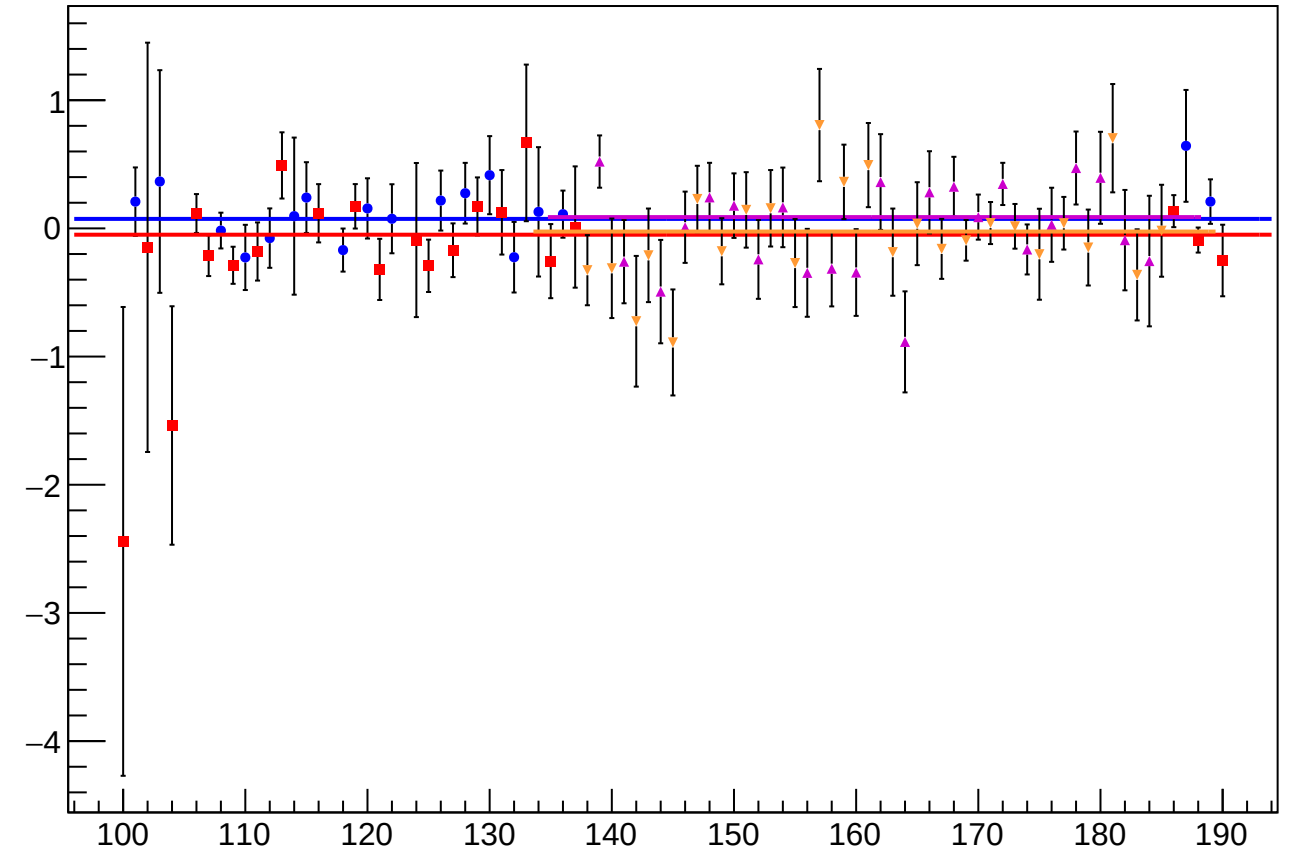
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5206361.2/39

In: 0.000+/-0.000 χ^2/NDF:5413125.9/40

Out: 0.000+/-0.000 χ^2/NDF:5133715.5/46

All: 0.000+/-0.000 χ^2/NDF: 10792745.9/87



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

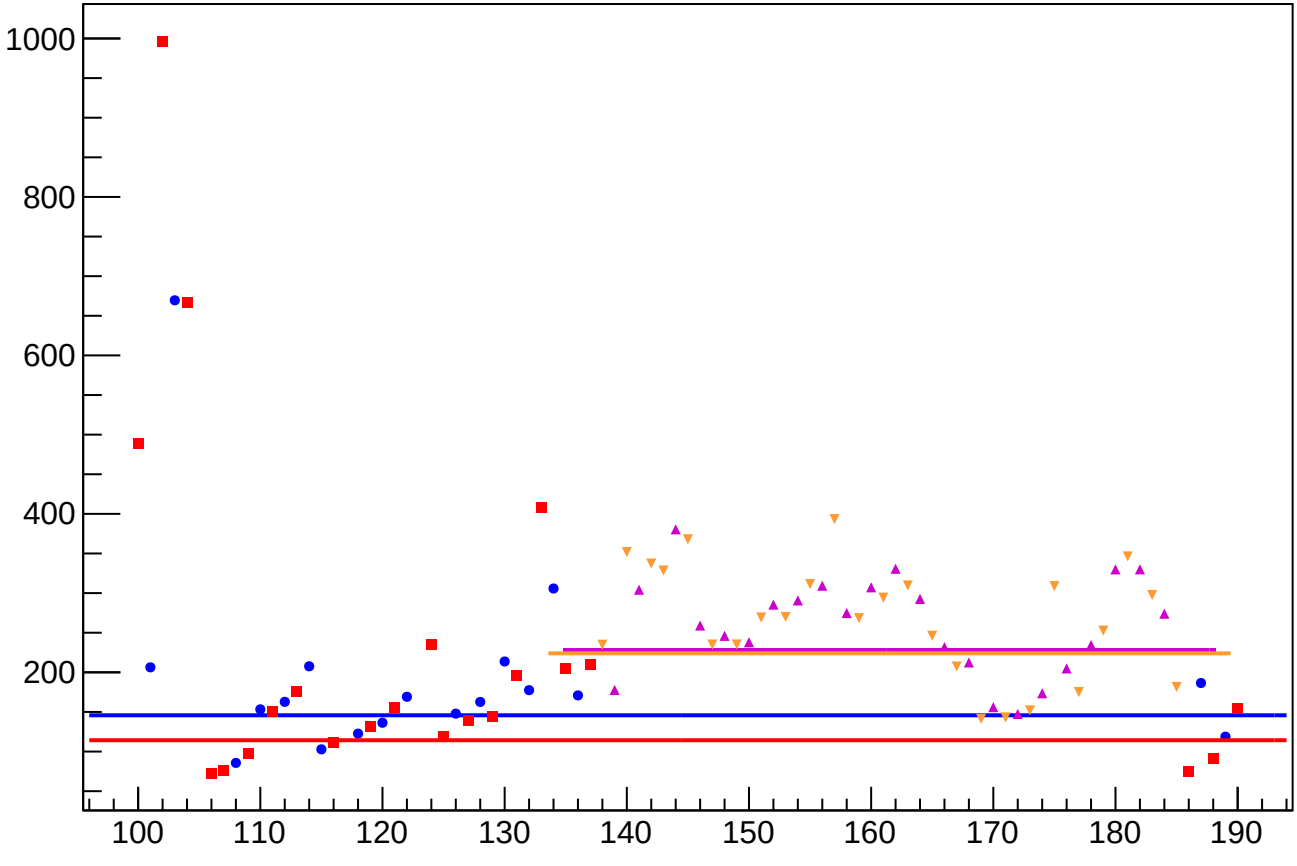
Right: -0.002+/-0.035 χ^2/NDF: 39.2/39

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.012+/-0.026 χ^2/NDF: 95.7/87

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

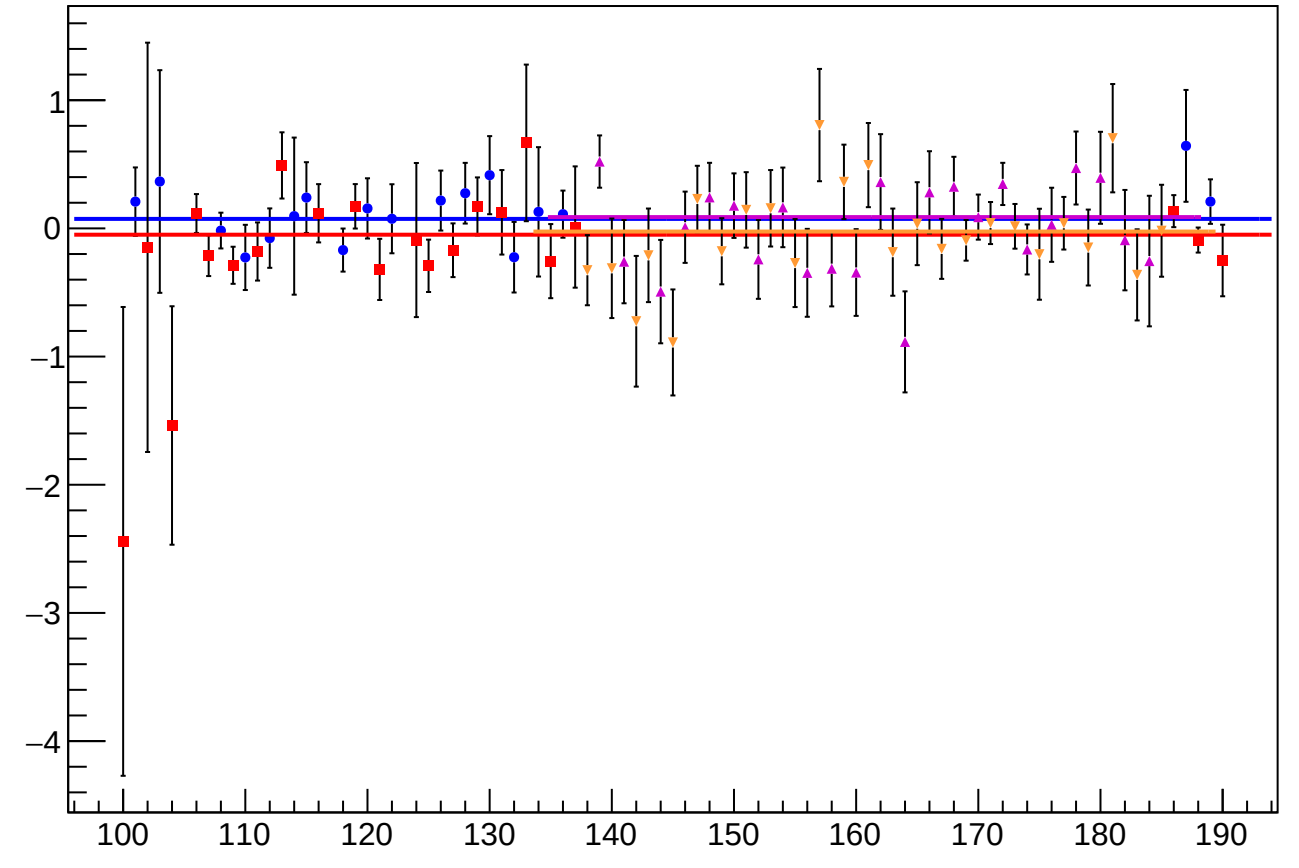
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 126.247+/-0.025 χ^2/NDF: 5486866.1/39

In: 186.701+/-0.028 χ^2/NDF:6398850.4/40

Out: 157.480+/-0.024 χ^2/NDF:11646953.7/46

All: 169.876+/-0.018 χ^2/NDF: 18662790.9/87



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

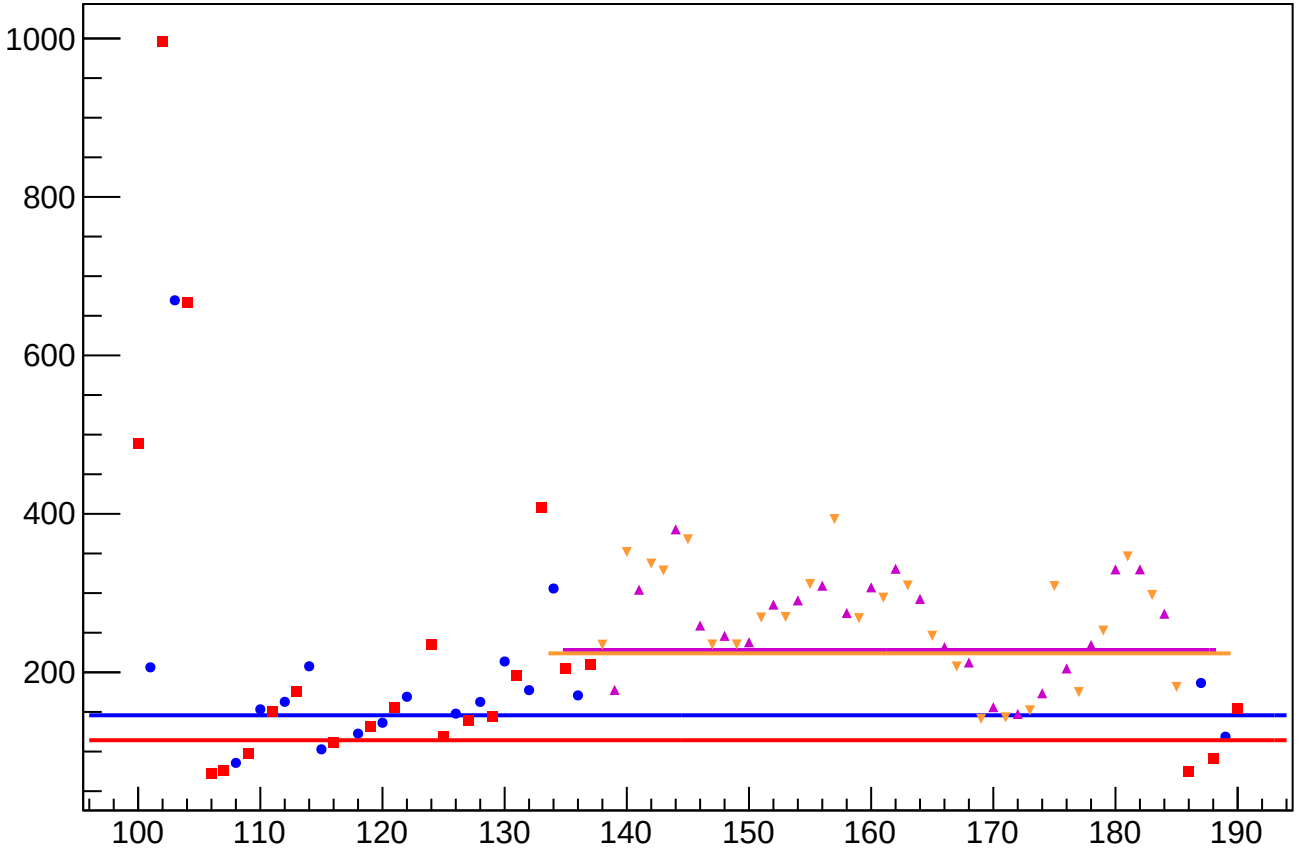
Right: -0.002+/-0.035 χ^2/NDF: 39.2/39

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.012+/-0.026 χ^2/NDF: 95.7/87

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

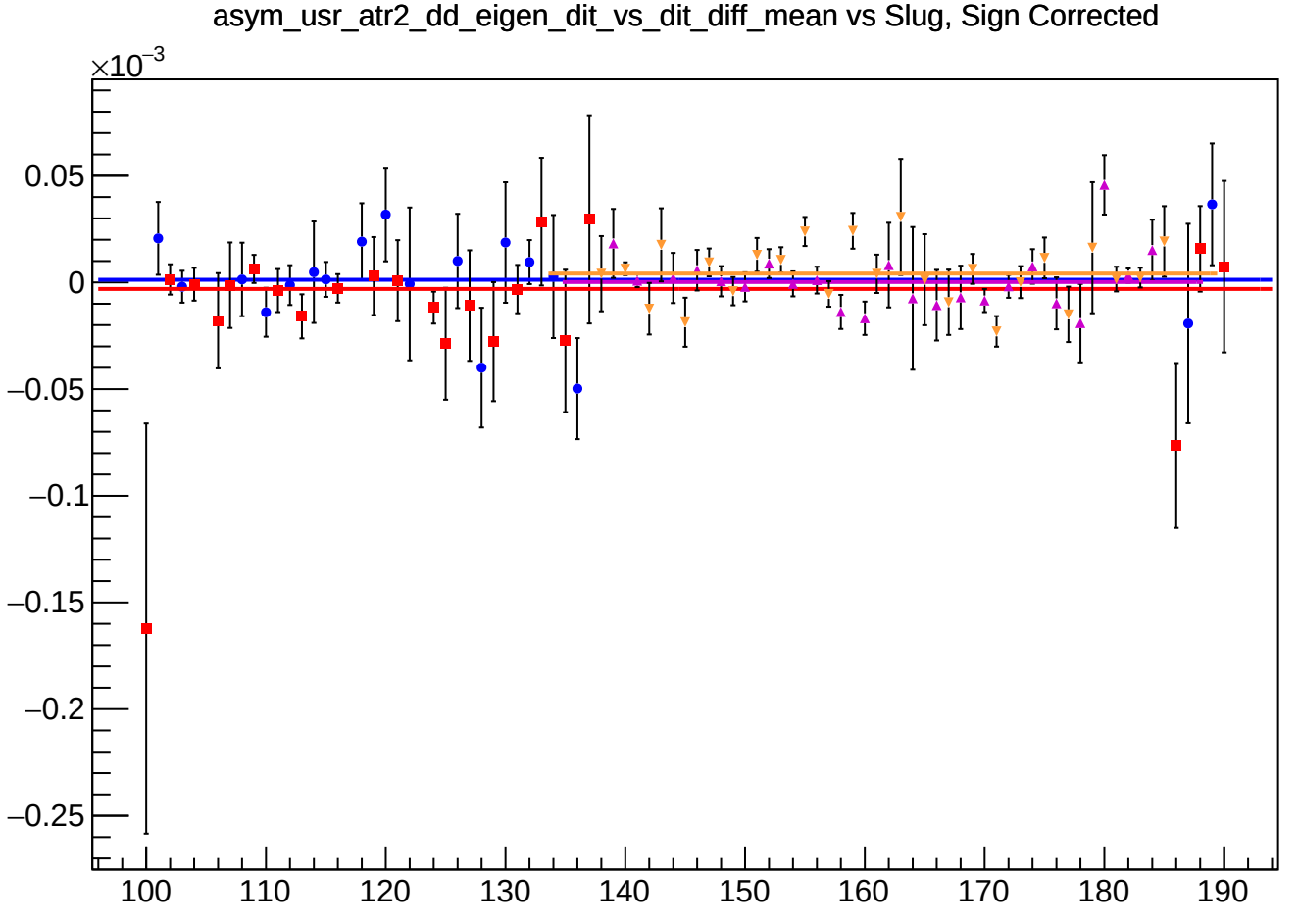
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 126.247+/-0.025 χ^2/NDF: 5486866.1/39

In: 186.701+/-0.028 χ^2/NDF:6398850.4/40

Out: 157.480+/-0.024 χ^2/NDF:11646953.7/46

All: 169.876+/-0.018 χ^2/NDF: 18662790.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/21

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

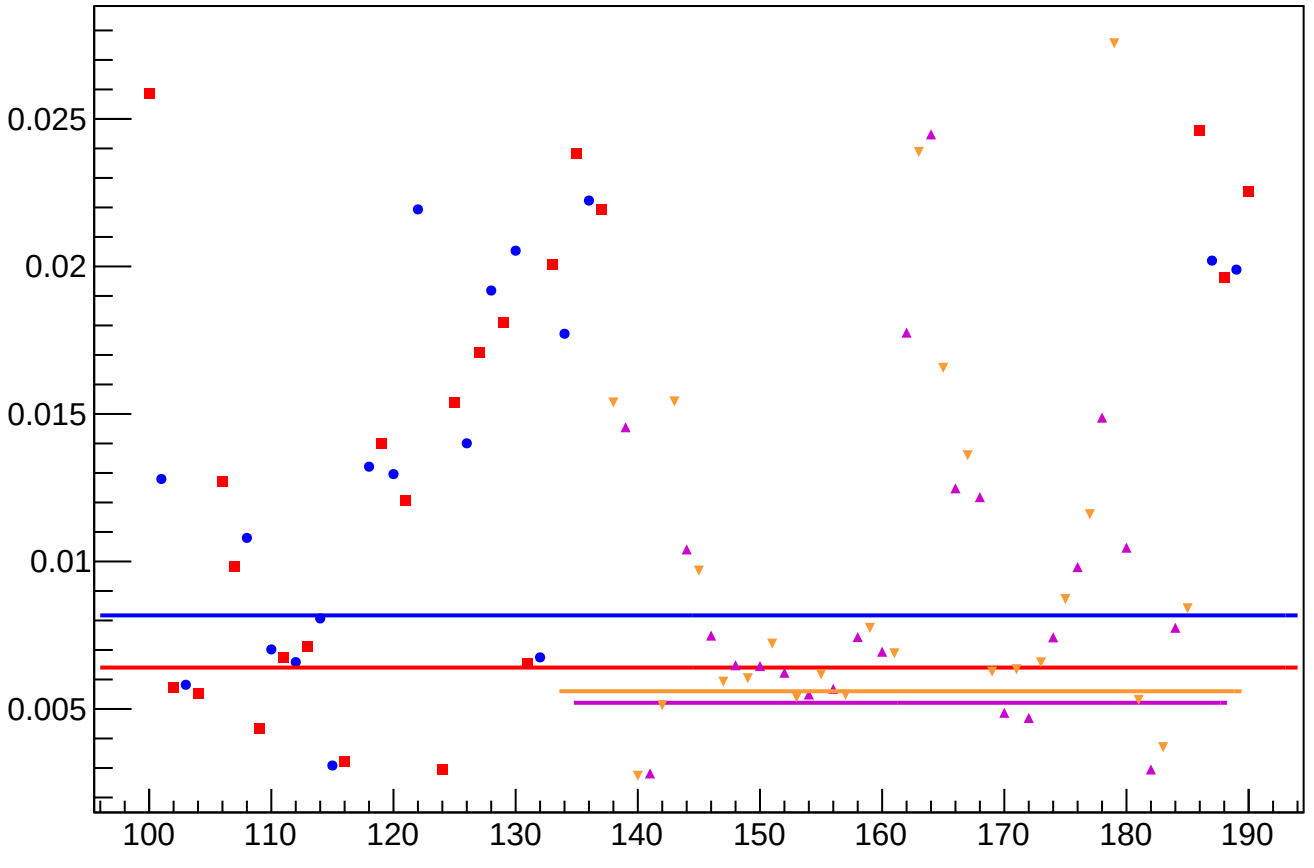
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/39

In: 0.000+/-0.000 χ^2/NDF:46.1/40

Out: 0.000+/-0.000 χ^2/NDF:71.9/46

All: 0.000+/-0.000 χ^2/NDF: 119.3/87



Right In: 0.008+/-0.000 χ^2/NDF: 4056762.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 5689703.2/21

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

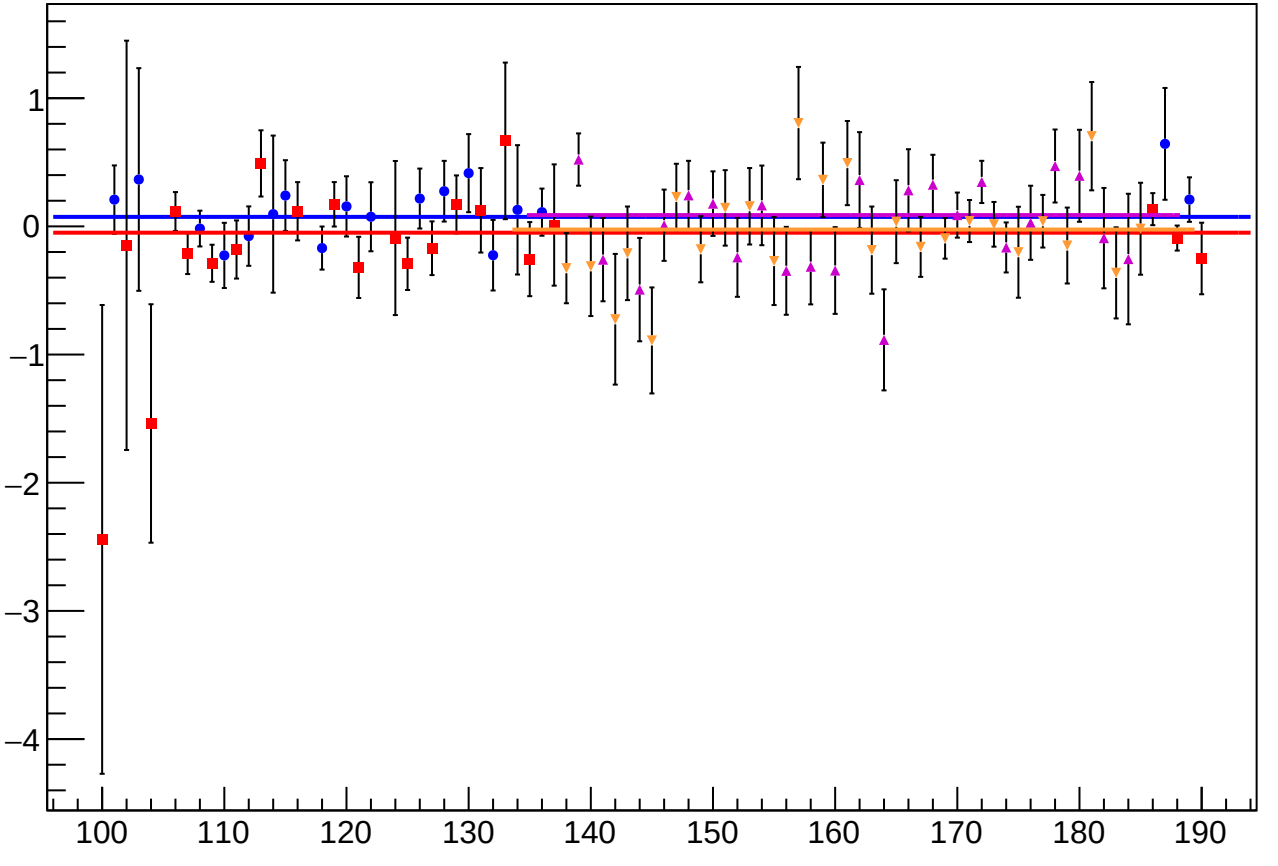
Right: 0.007+/-0.000 χ^2/NDF: 10084319.5/39

In: 0.006+/-0.000 χ^2/NDF:12788764.3/40

Out: 0.006+/-0.000 χ^2/NDF:13603655.2/46

All: 0.006+/-0.000 χ^2/NDF: 26404681.3/87

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

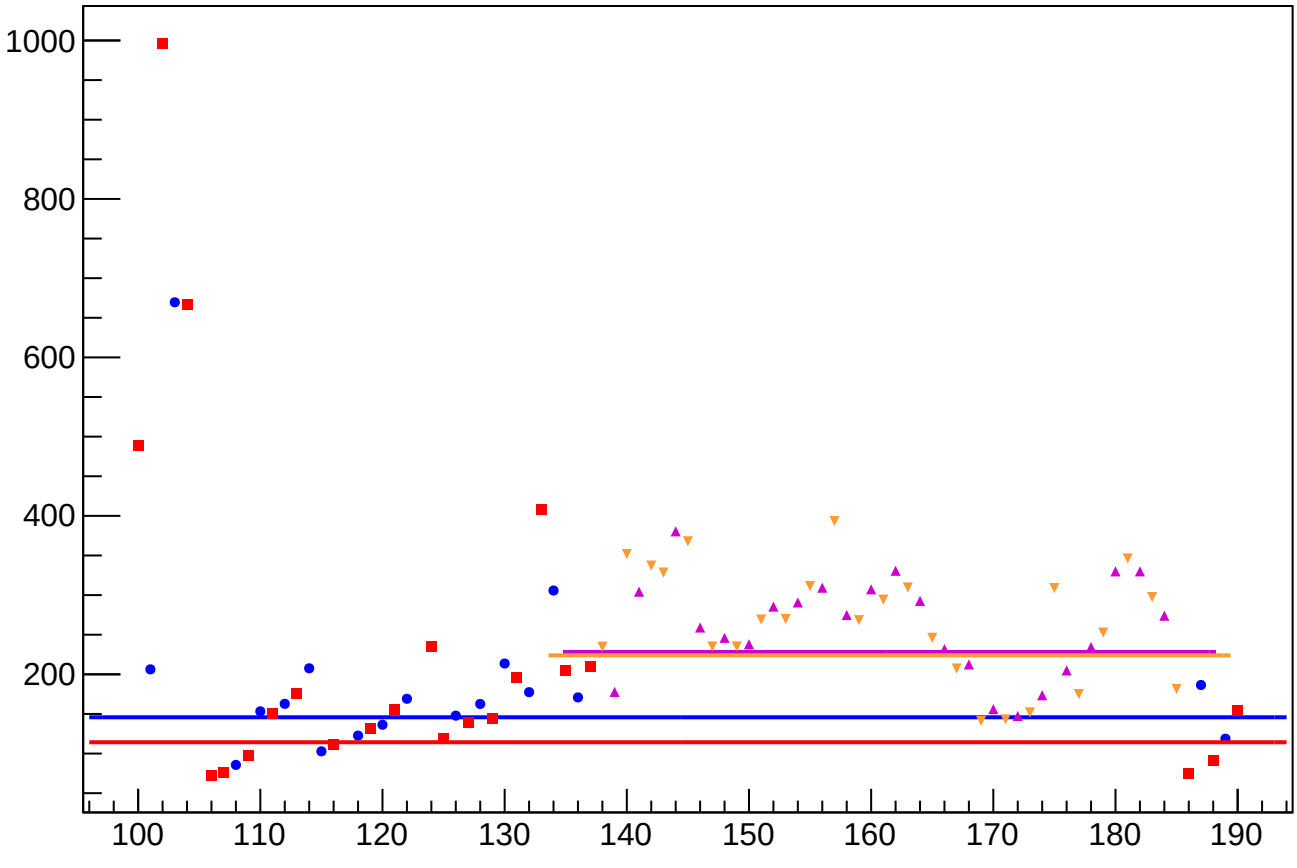
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.002+/-0.035 χ^2/NDF: 39.2/39

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.012+/-0.026 χ^2/NDF: 95.7/87



Right In: 145.781+/-0.040 χ^2/NDF: 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

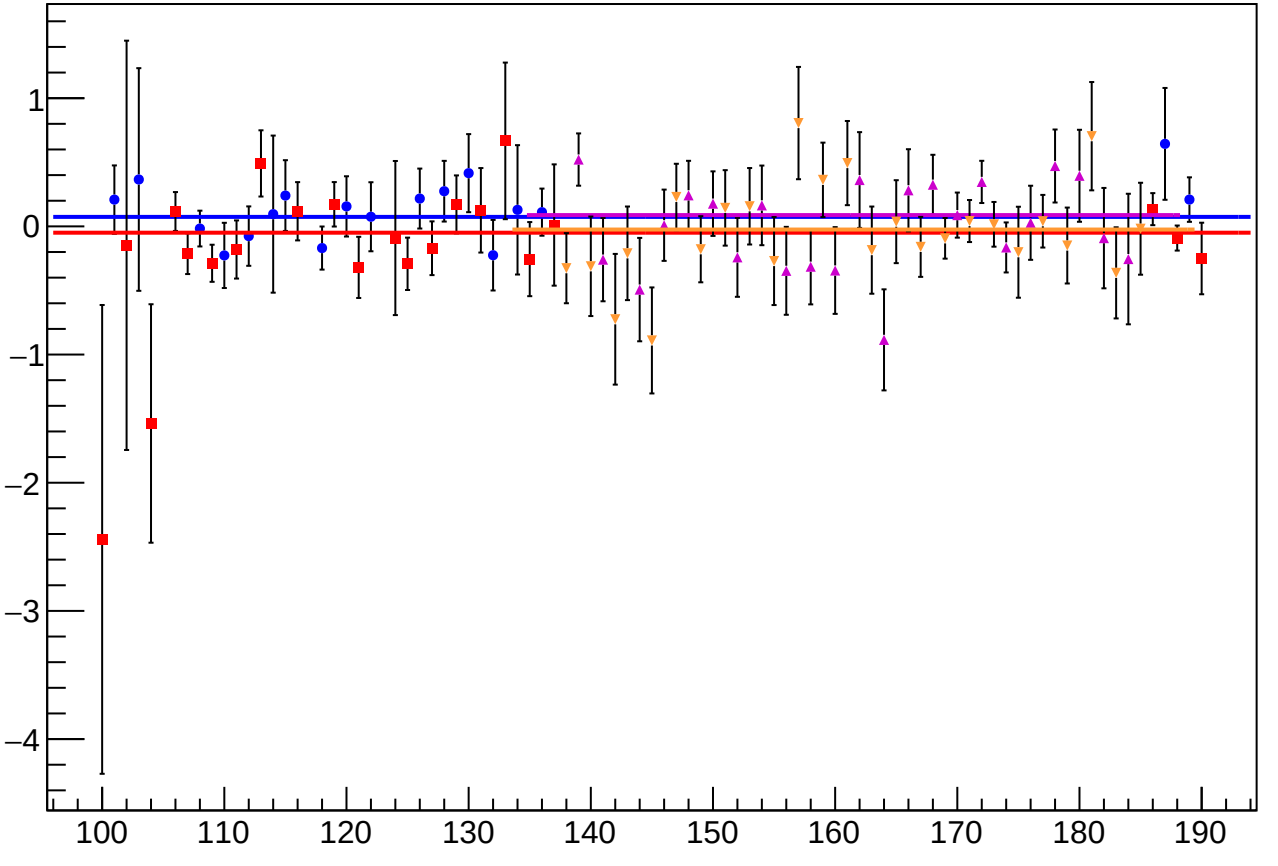
Right: 126.250+/-0.025 χ^2/NDF: 5486469.2/39

In: 186.699+/-0.028 χ^2/NDF:6399288.5/40

Out: 157.485+/-0.024 χ^2/NDF:11646295.4/46

All: 169.878+/-0.018 χ^2/NDF: 18662284.7/87

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

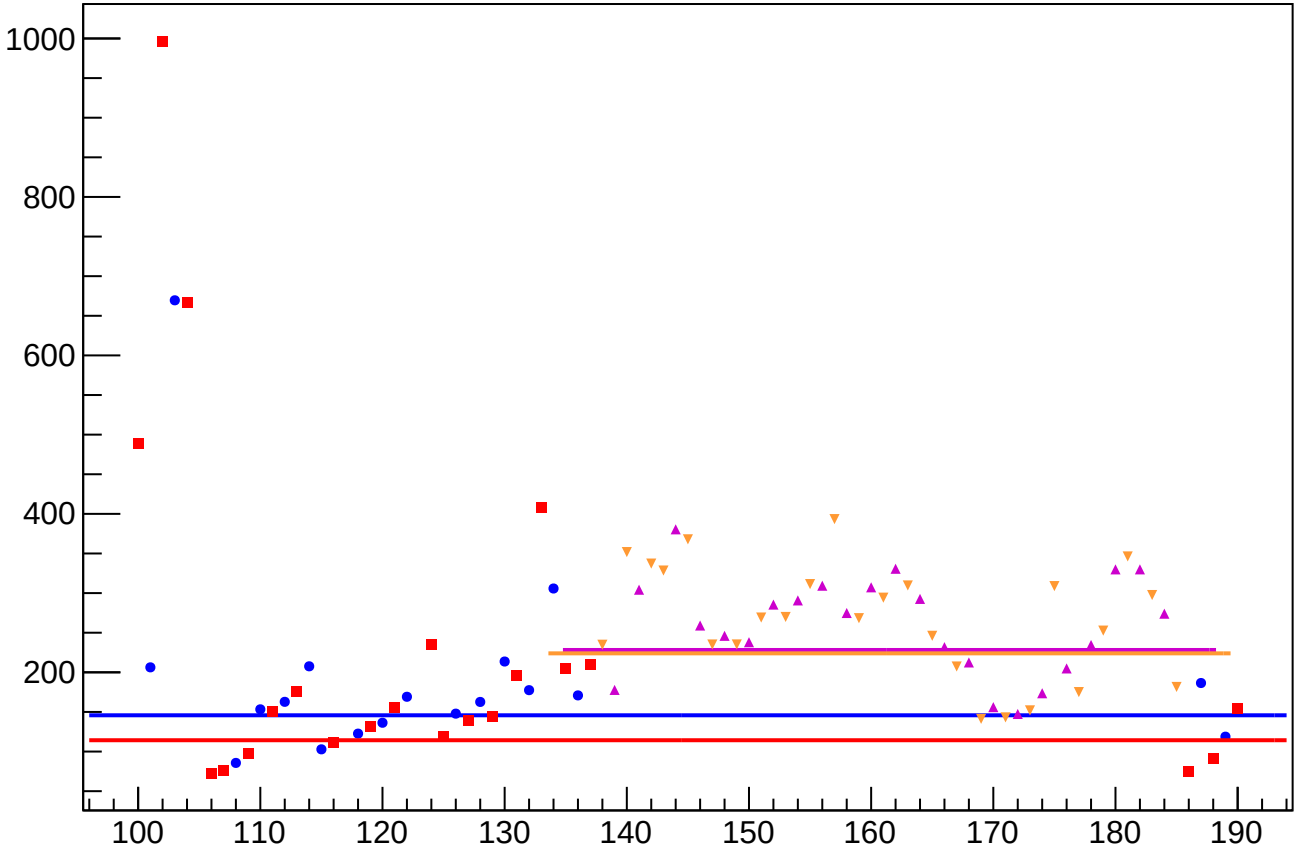
Right: -0.002+/-0.035 χ^2/NDF: 39.2/39

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.012+/-0.026 χ^2/NDF: 95.7/87

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.781+/-0.040 χ^2/NDF: 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

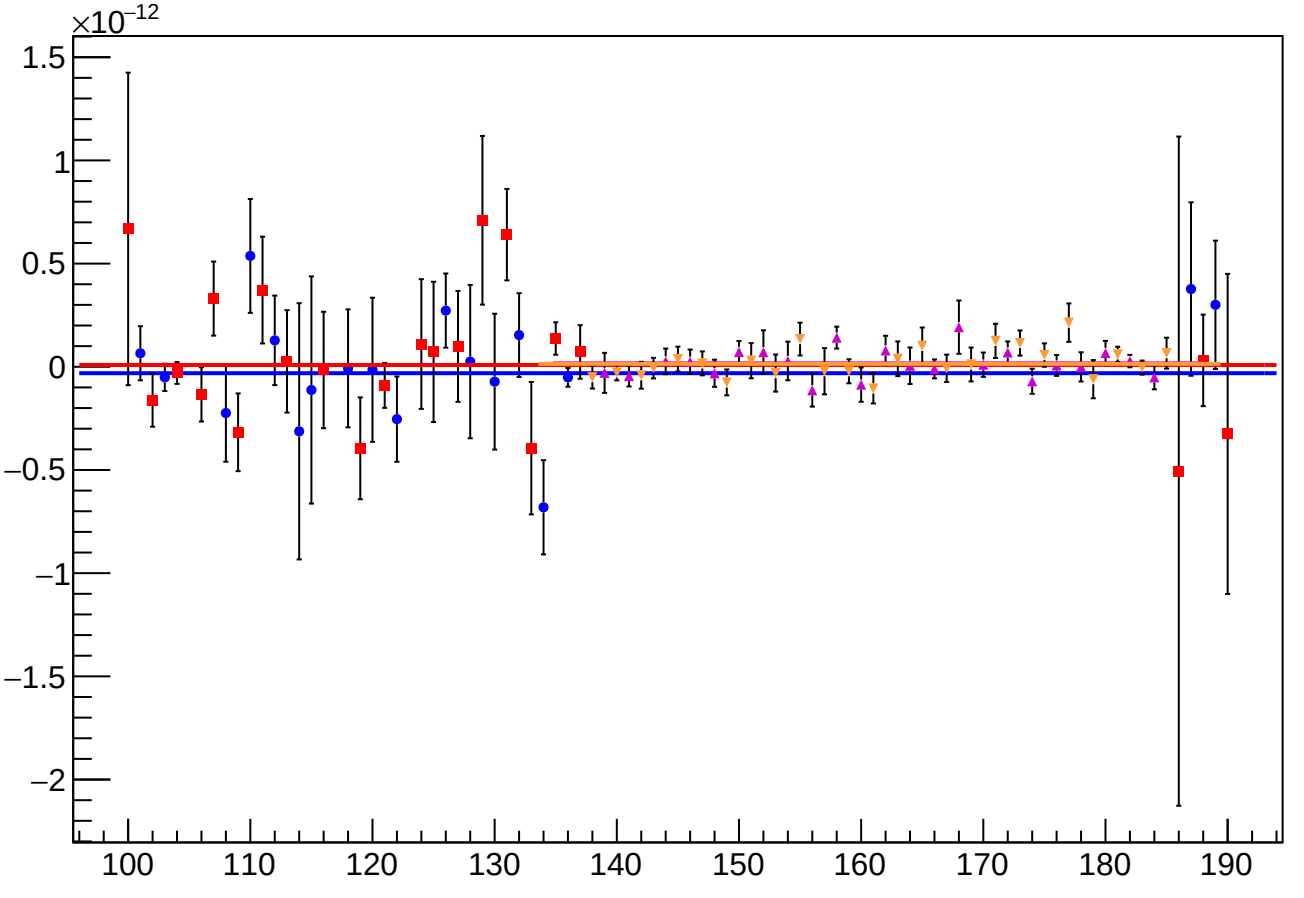
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 126.250+/-0.025 χ^2/NDF: 5486469.2/39

In: 186.699+/-0.028 χ^2/NDF:6399288.5/40

Out: 157.485+/-0.024 χ^2/NDF:11646295.4/46

All: 169.878+/-0.018 χ^2/NDF: 18662284.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/21

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

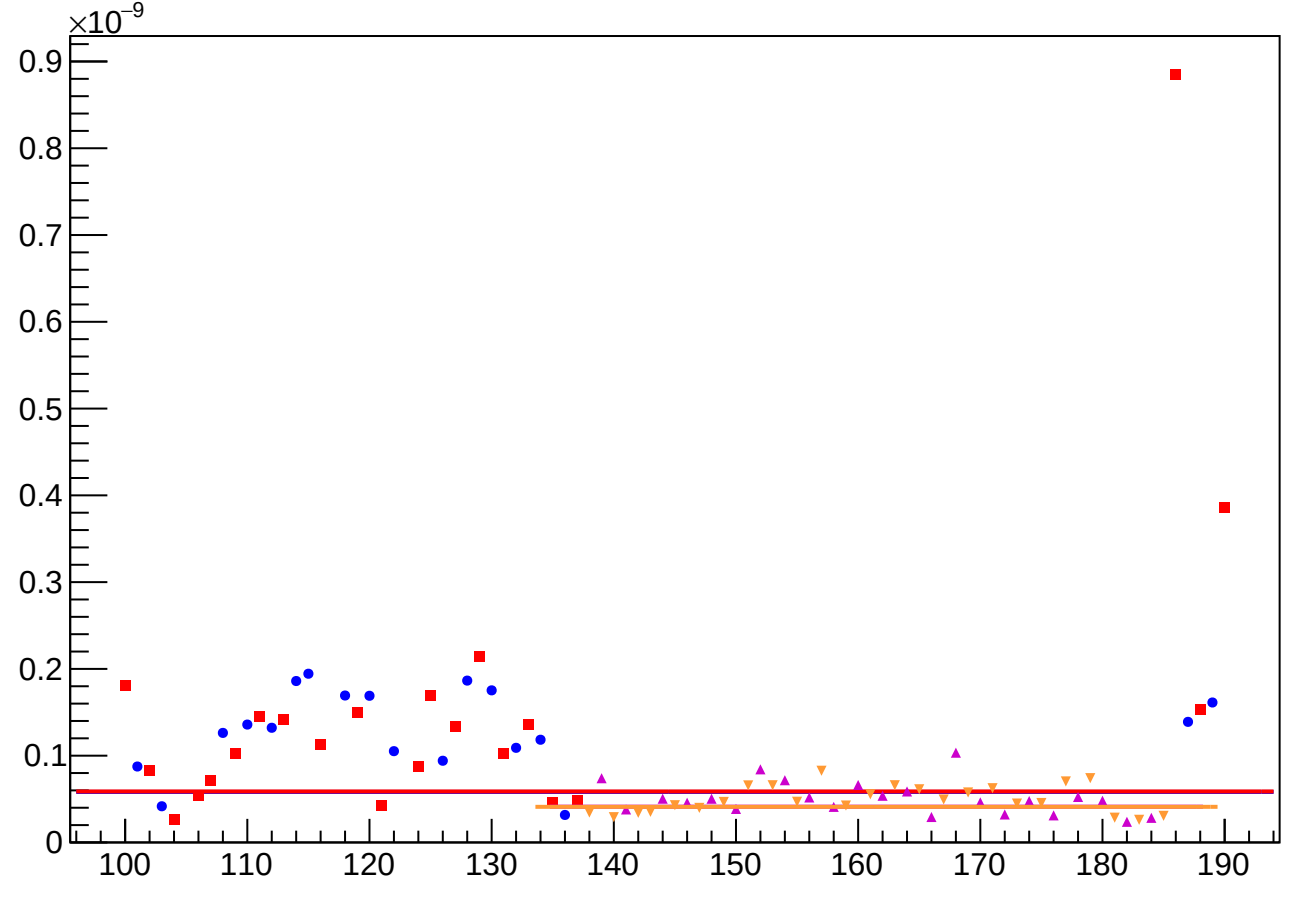
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

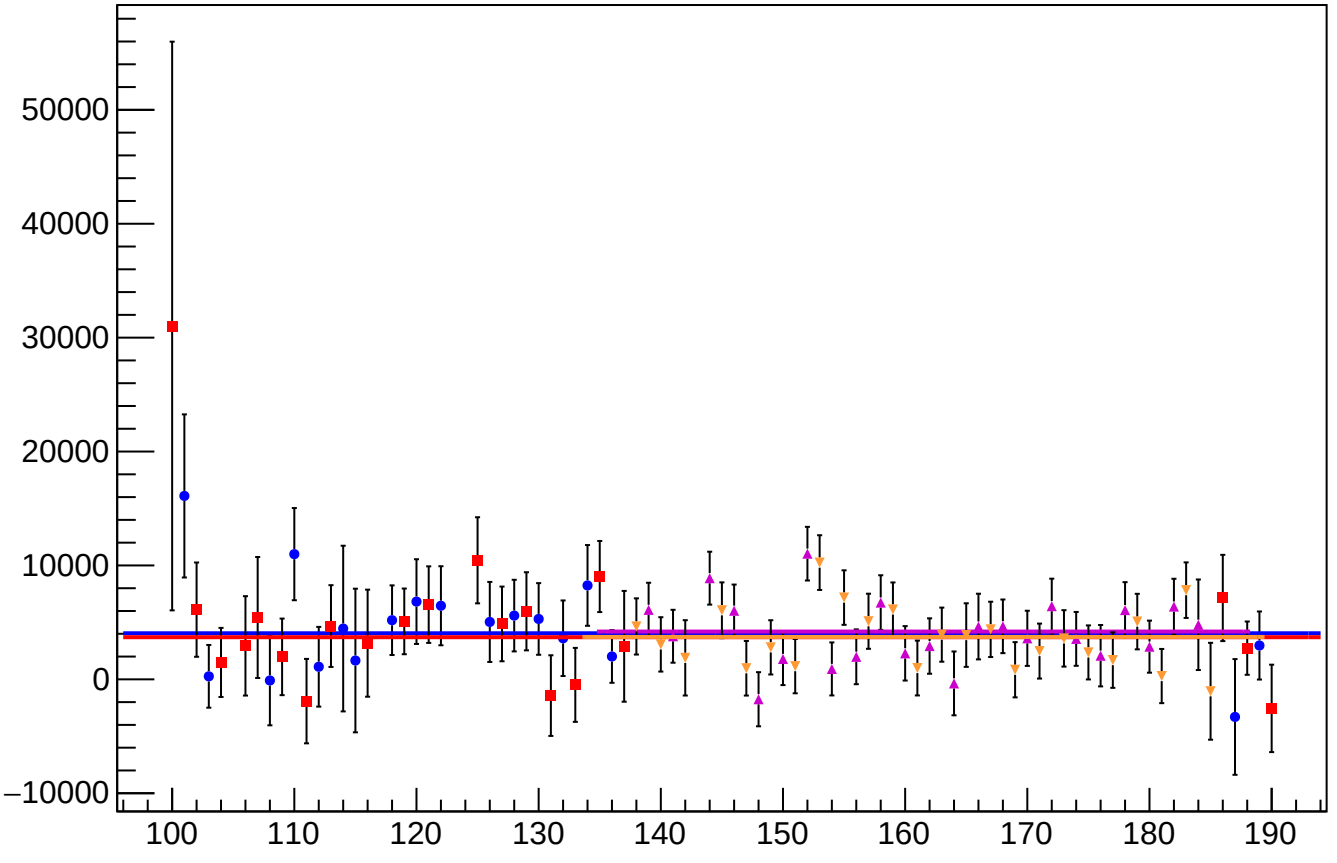
Right: -0.000+/-0.000 χ^2/NDF: 54.4/39

In: 0.000+/-0.000 χ^2/NDF:45.3/40

Out: 0.000+/-0.000 χ^2/NDF:57.4/46

All: 0.000+/-0.000 χ^2/NDF: 102.7/87


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3411850.2/17
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3990018.7/21
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
Left: 0.000+/-0.000 χ²/NDF: 5496578.5/47
Right: 0.000+/-0.000 χ²/NDF: 7402173.0/39
In: 0.000+/-0.000 χ²/NDF:6758629.4/40
Out: 0.000+/-0.000 χ²/NDF:7181704.0/46
All: 0.000+/-0.000 χ²/NDF: 13940463.2/87



Right In: 4044.179+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 3698.807+/-781.440 χ^2/NDF: 19.9/20

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

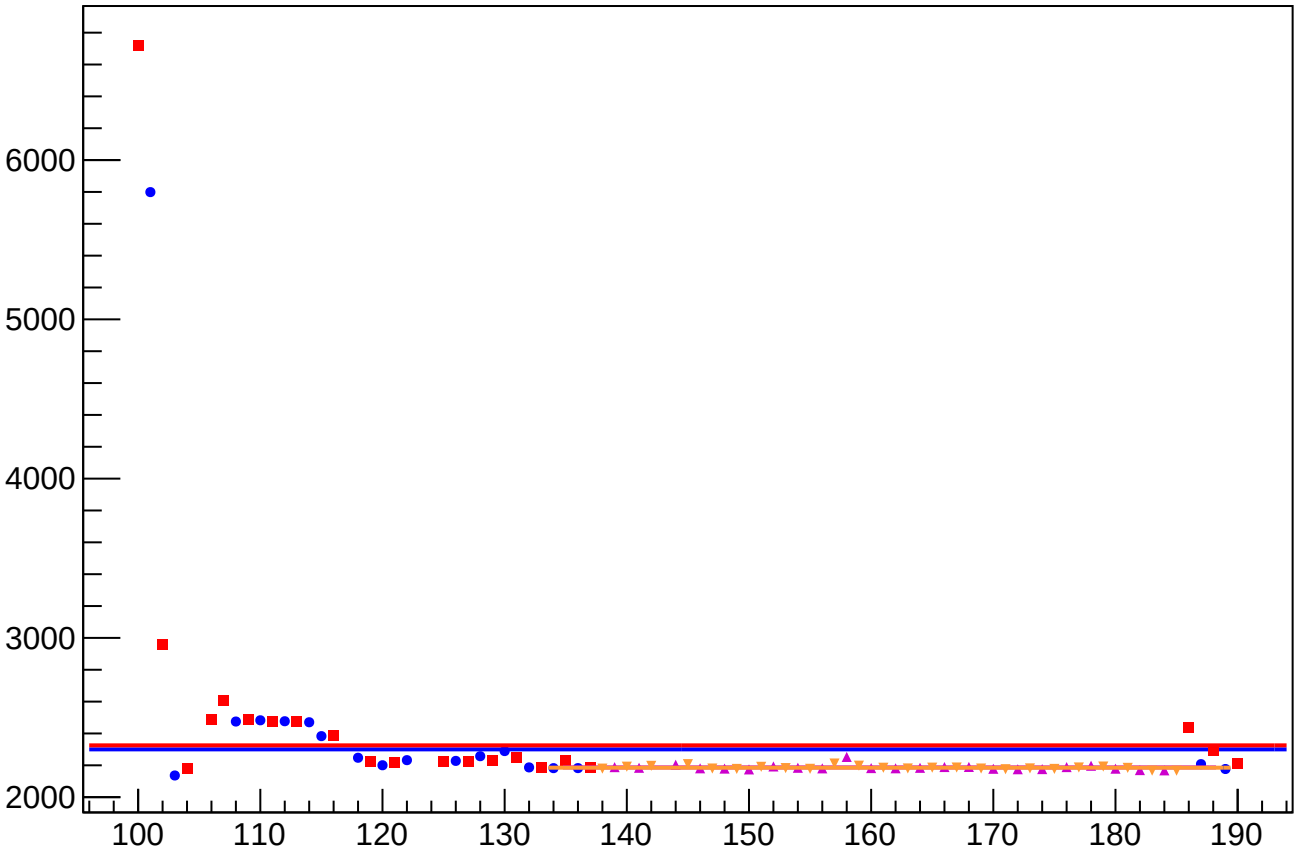
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 3861.381+/-568.510 χ^2/NDF: 35.7/38

In: 4154.178+/-434.684 χ^2/NDF:47.8/40

Out: 3716.172+/-425.415 χ^2/NDF:45.4/44

All: 3930.455+/-304.038 χ^2/NDF: 93.7/85



Right In: 2300.090+/-0.586 χ^2/NDF: 516903.8/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2325.330+/-0.553 χ^2/NDF: 155224.0/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

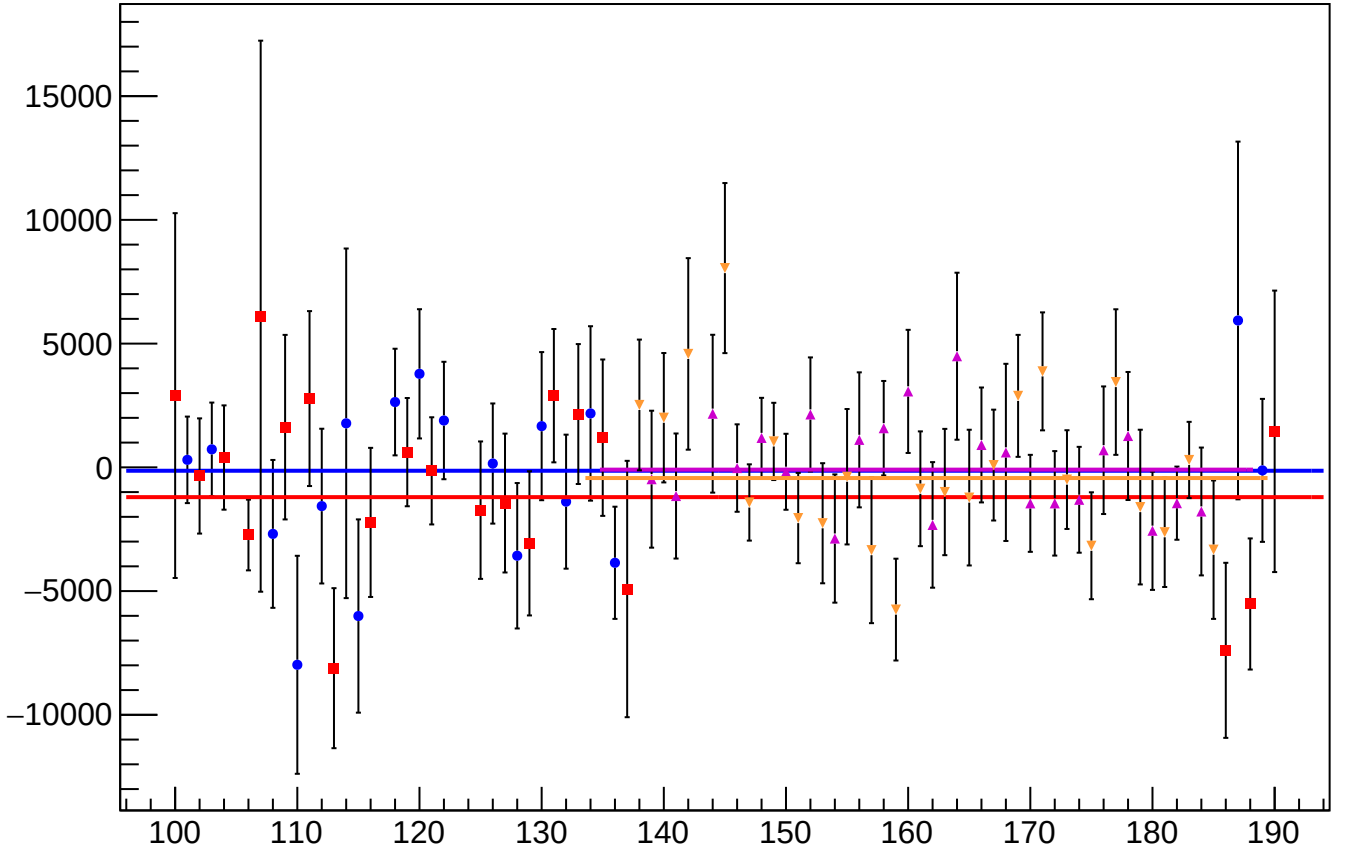
Right: 2313.449+/-0.402 χ^2/NDF: 673110.0/38

In: 2217.937+/-0.307 χ^2/NDF:546090.9/40

Out: 2226.683+/-0.301 χ^2/NDF:201335.4/44

All: 2222.404+/-0.215 χ^2/NDF: 747839.9/85

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -137.490+/-639.361 χ^2/NDF: 17.1/17

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1203.630+/-604.771 χ^2/NDF: 21.3/20

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

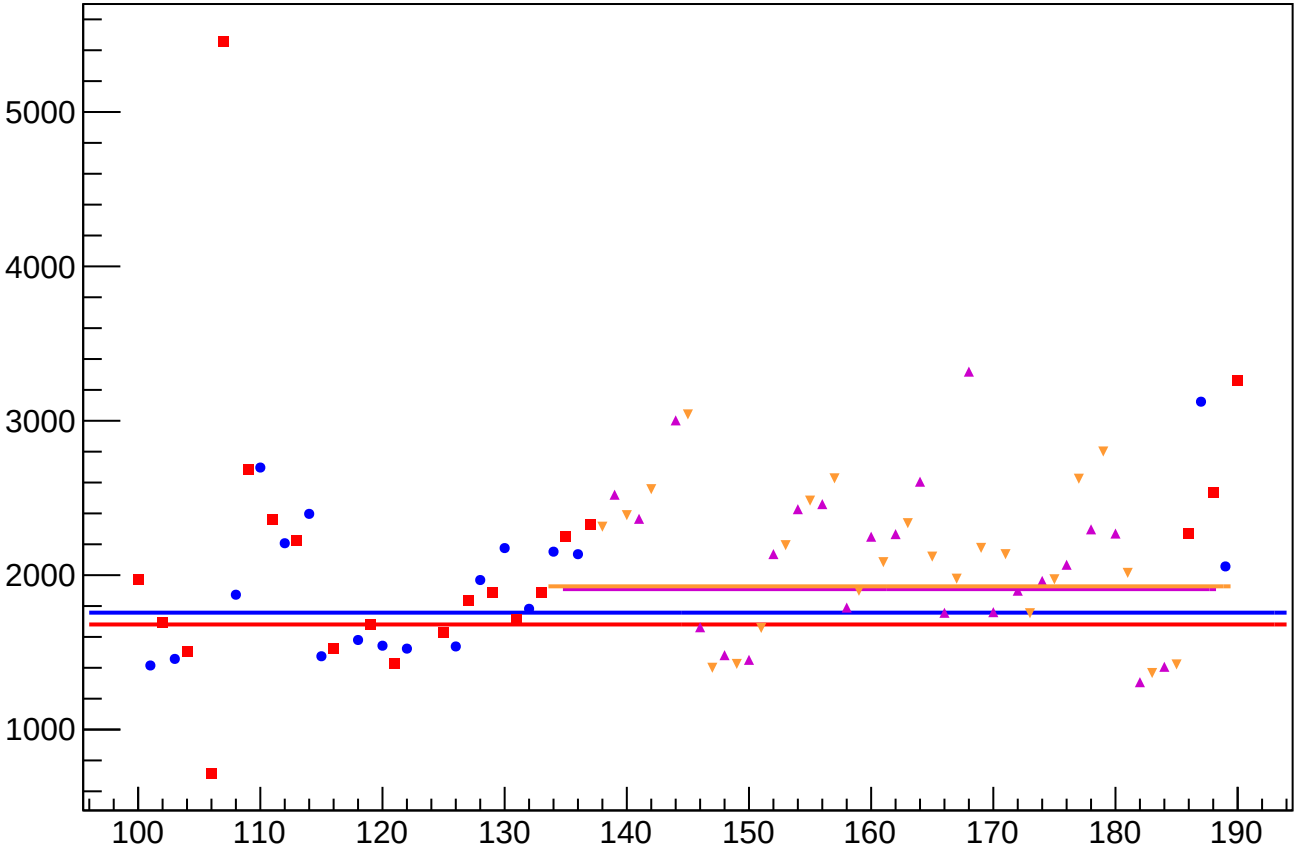
Right: -700.179+/-439.357 χ^2/NDF: 39.9/38

In: -107.973+/-373.757 χ^2/NDF:29.9/40

Out: -716.840+/-367.324 χ^2/NDF:53.6/44

All: -417.692+/-261.982 χ^2/NDF: 84.8/85

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1757.176+/-0.452 χ^2/NDF: 575245.3/17

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1680.661+/-0.428 χ^2/NDF: 2012905.0/20

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

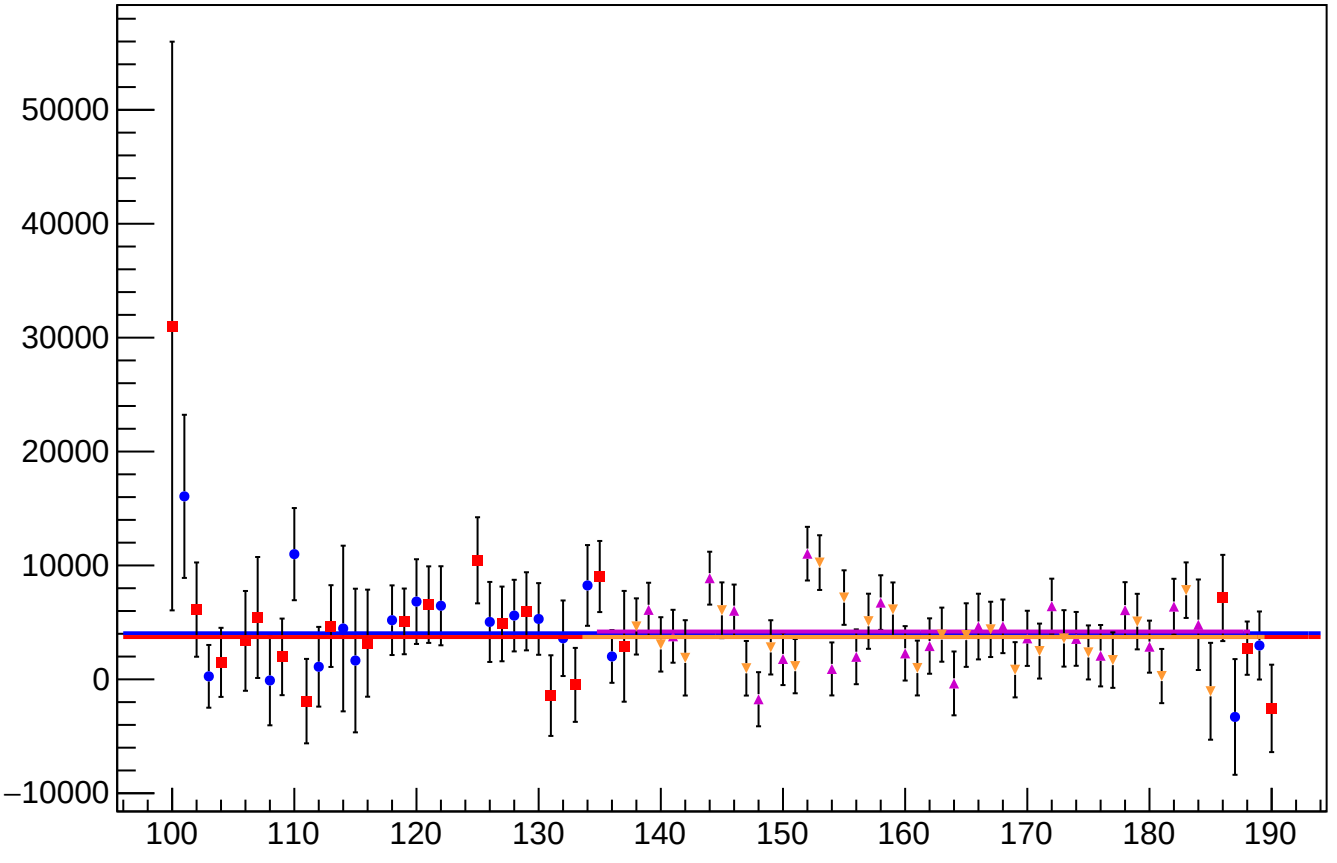
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1716.793+/-0.311 χ^2/NDF: 2603267.9/38

In: 1857.520+/-0.264 χ^2/NDF:2592347.1/40

Out: 1836.541+/-0.260 χ^2/NDF:4021827.4/44

All: 1846.848+/-0.185 χ^2/NDF: 6617379.9/85



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3713.331+/-781.549 χ^2/NDF: 19.9/20

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

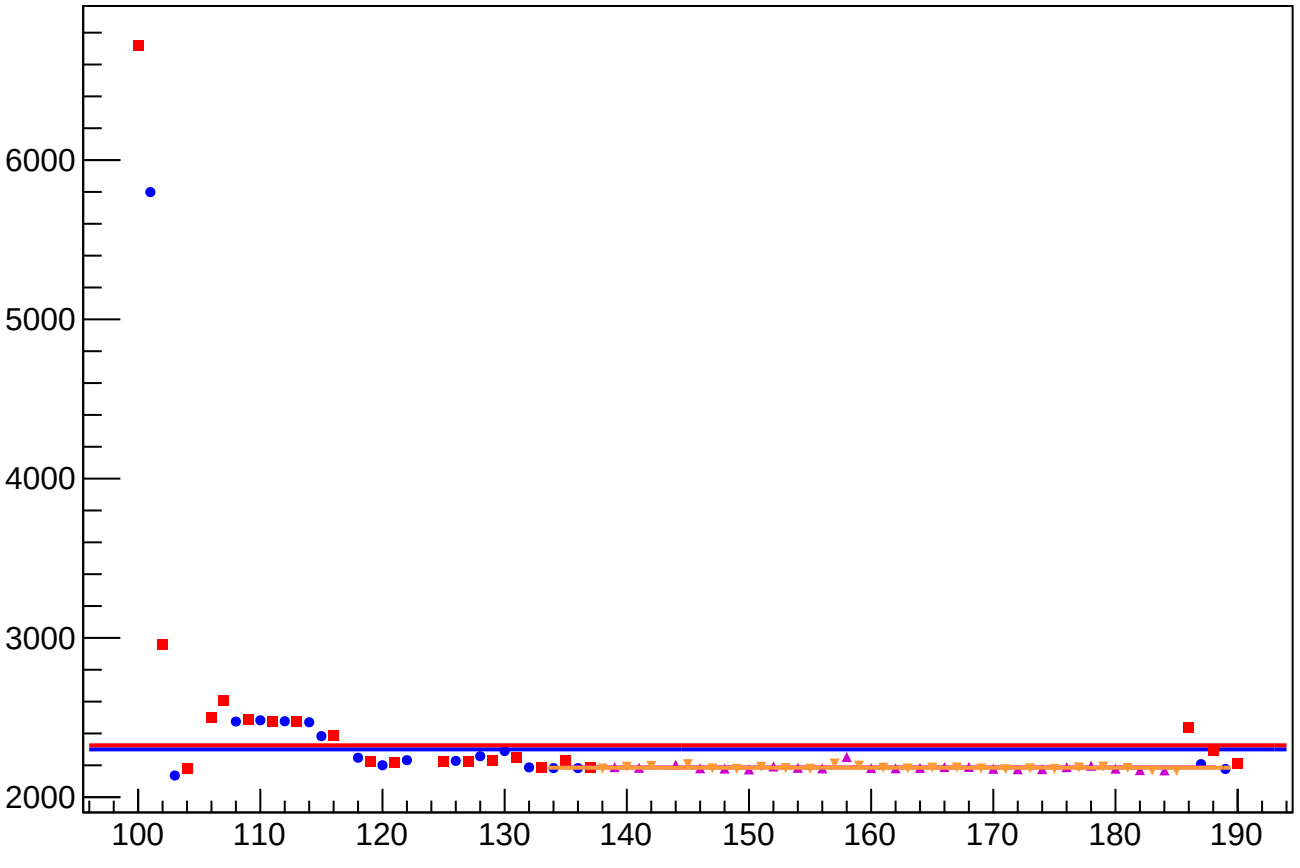
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3868.817+/-568.552 χ^2/NDF: 35.7/38

In: 4154.104+/-434.684 χ^2/NDF:47.8/40

Out: 3720.440+/-425.433 χ^2/NDF:45.3/44

All: 3932.608+/-304.044 χ^2/NDF: 93.7/85



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

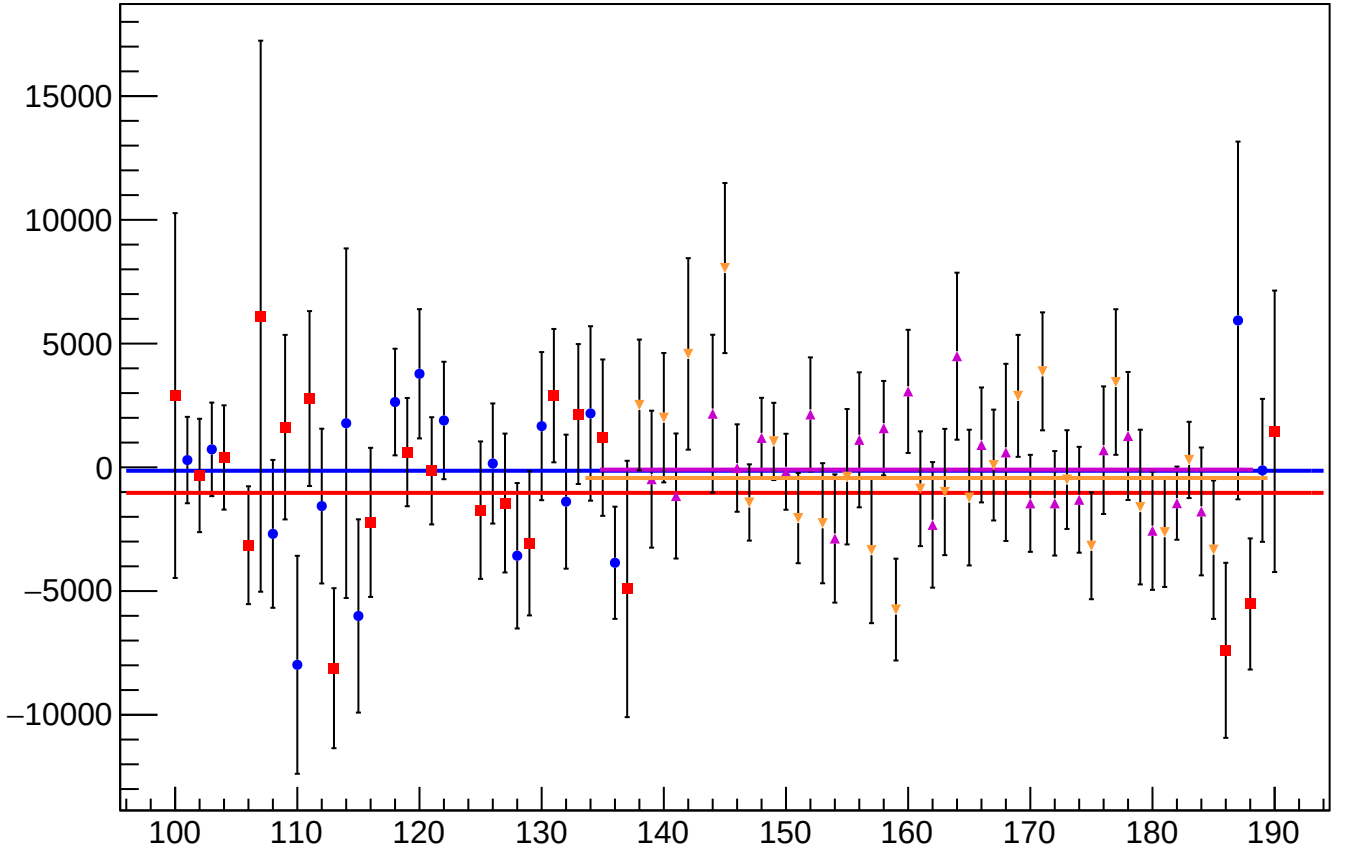
Right: 2313.604+/-0.402 χ^2/NDF: 673489.0/38

In: 2217.937+/-0.307 χ^2/NDF:546091.3/40

Out: 2226.763+/-0.301 χ^2/NDF:201873.4/44

All: 2222.445+/-0.215 χ^2/NDF: 748385.8/85

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -138.530+/-639.243 χ^2/NDF: 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1032.281+/-641.847 χ^2/NDF: 20.7/20

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

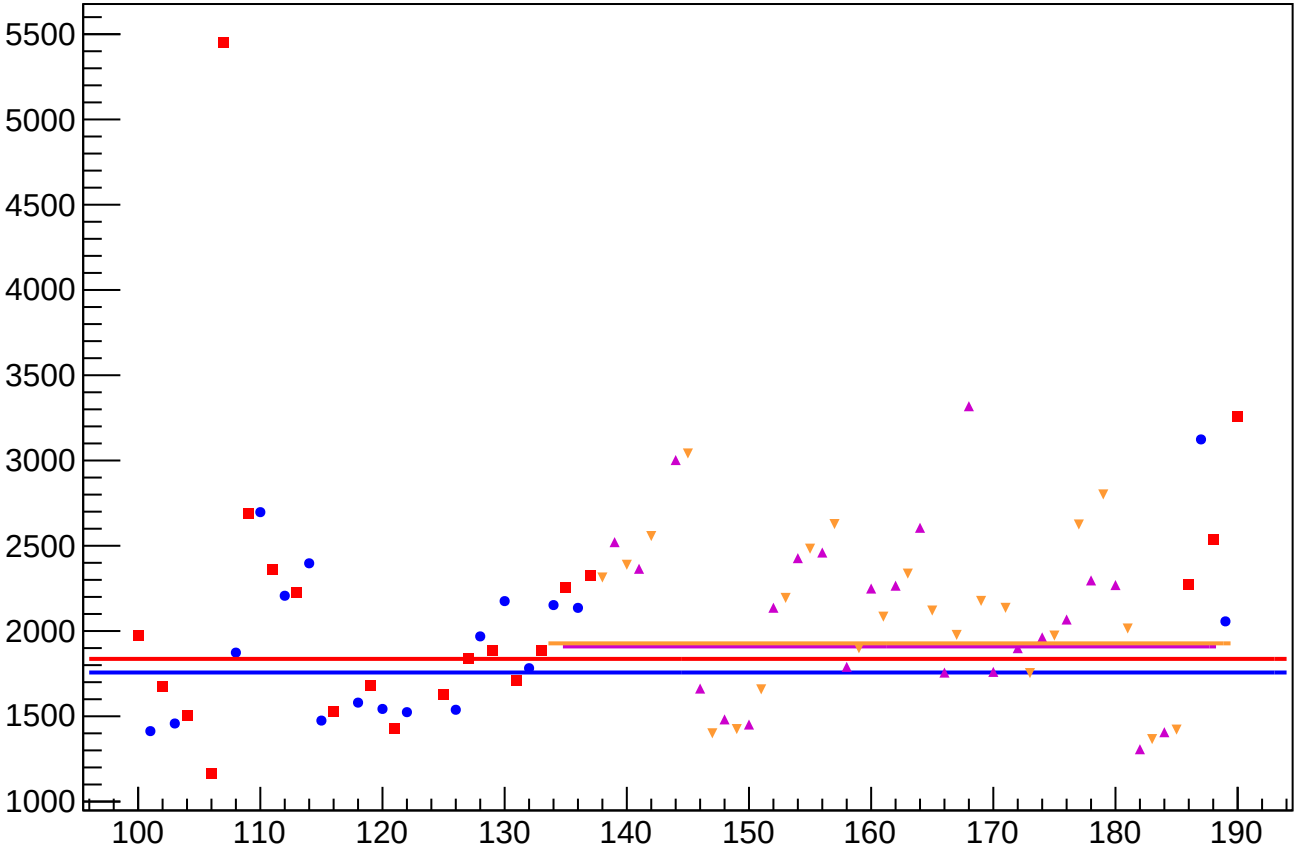
Right: -583.588+/-452.931 χ^2/NDF: 38.8/38

In: -108.302+/-373.734 χ^2/NDF:29.9/40

Out: -637.302+/-375.170 χ^2/NDF:52.6/44

All: -371.788+/-264.776 χ^2/NDF: 83.5/85

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

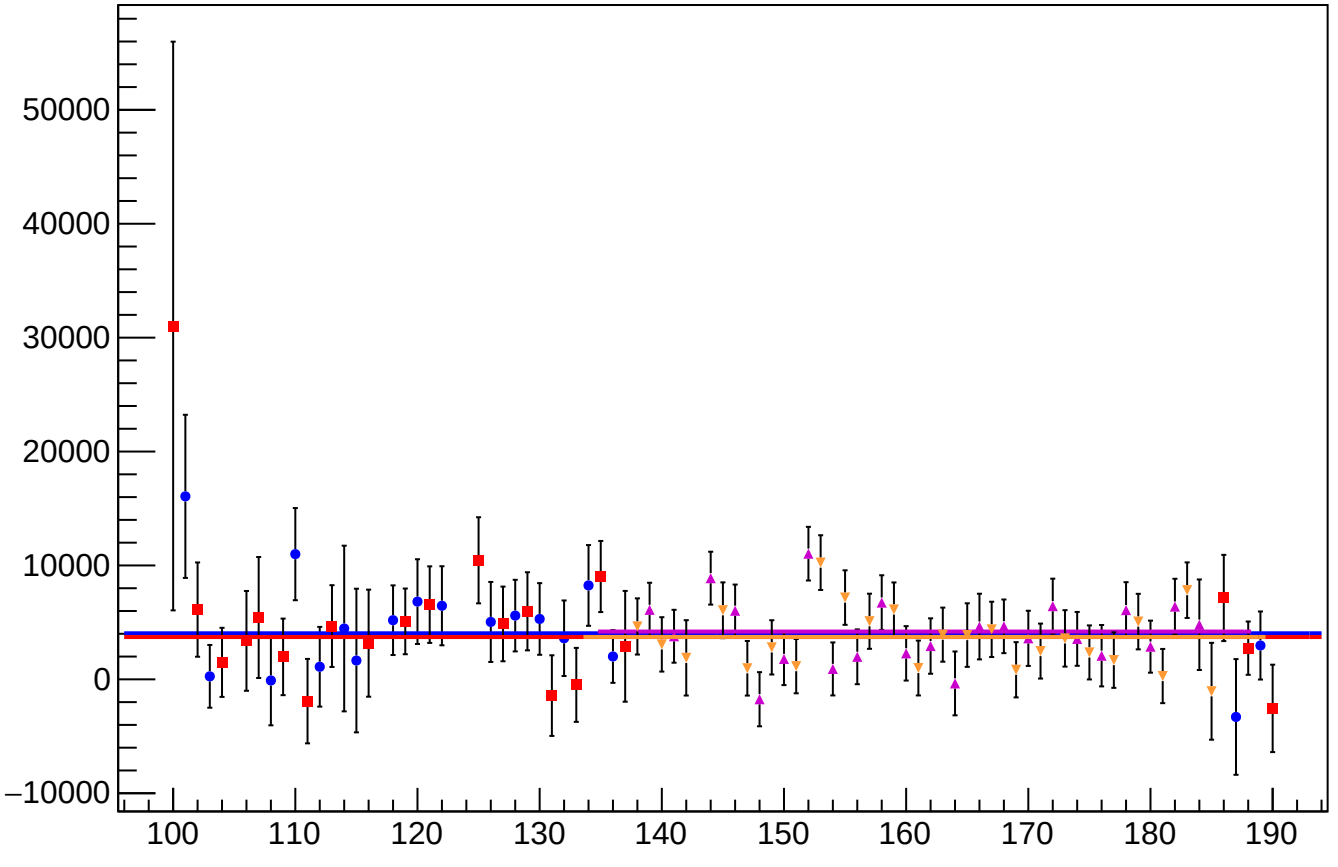
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1796.531+/-0.320 χ^2/NDF: 1666945.5/38

In: 1857.381+/-0.264 χ^2/NDF:2593827.4/40

Out: 1896.544+/-0.265 χ^2/NDF:2900036.3/44

All: 1876.887+/-0.187 χ^2/NDF: 5504801.8/85



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3713.331+/-781.549 χ^2/NDF: 19.9/20

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

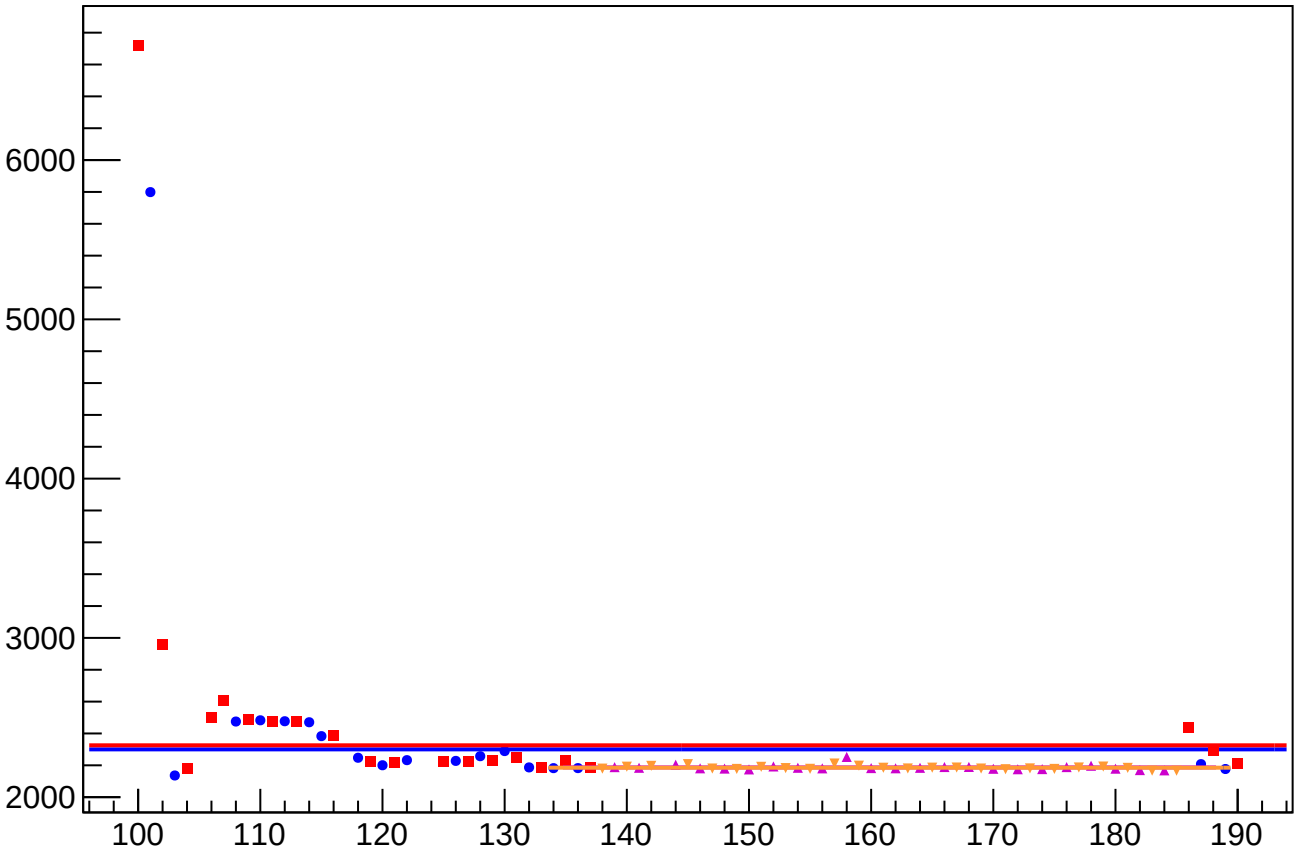
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3868.817+/-568.552 χ^2/NDF: 35.7/38

In: 4154.104+/-434.684 χ^2/NDF:47.8/40

Out: 3720.440+/-425.433 χ^2/NDF:45.3/44

All: 3932.608+/-304.044 χ^2/NDF: 93.7/85



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

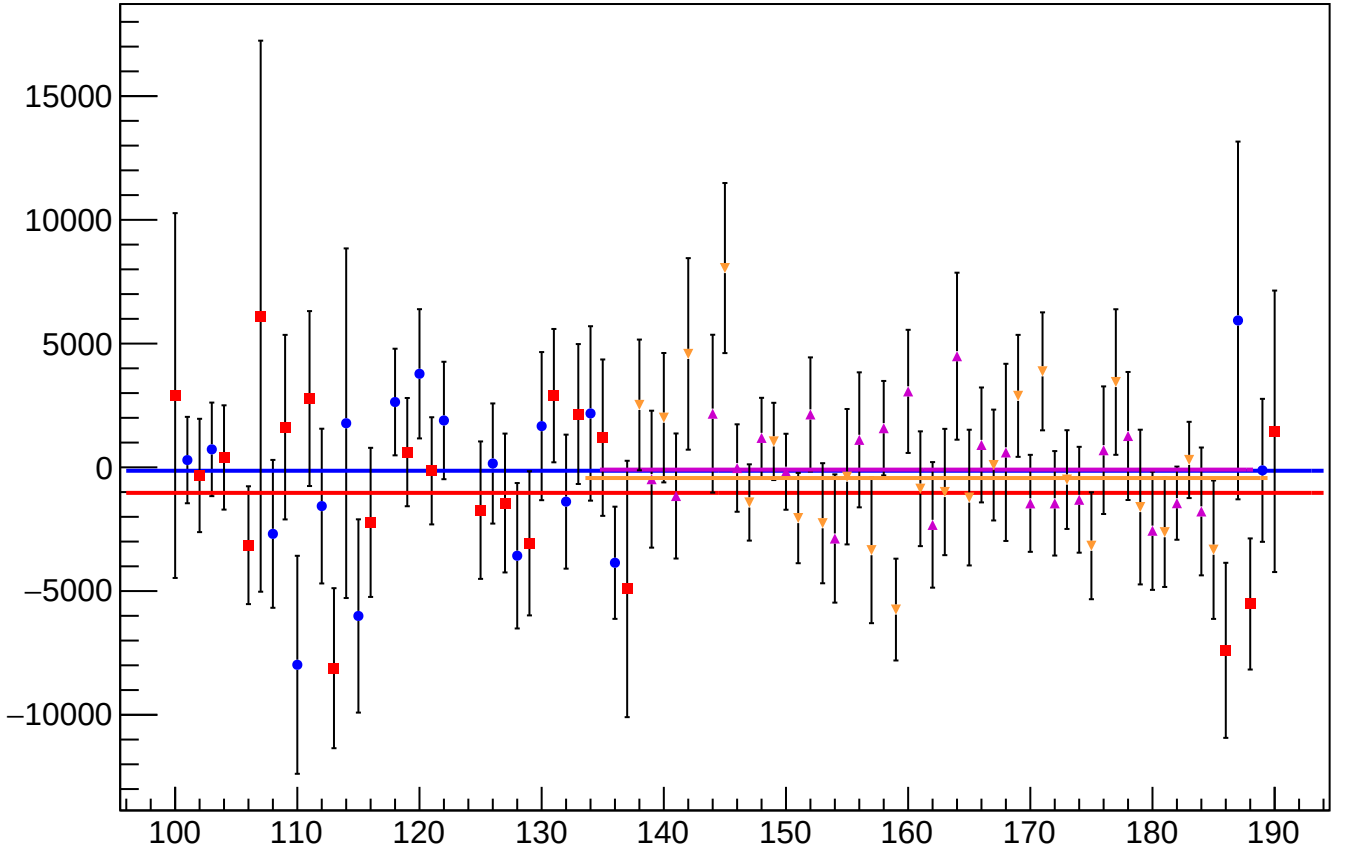
Right: 2313.604+/-0.402 χ^2/NDF: 673489.0/38

In: 2217.937+/-0.307 χ^2/NDF:546091.3/40

Out: 2226.763+/-0.301 χ^2/NDF:201873.4/44

All: 2222.445+/-0.215 χ^2/NDF: 748385.8/85

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -138.530+/-639.243 χ^2/NDF: 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1032.281+/-641.847 χ^2/NDF: 20.7/20

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

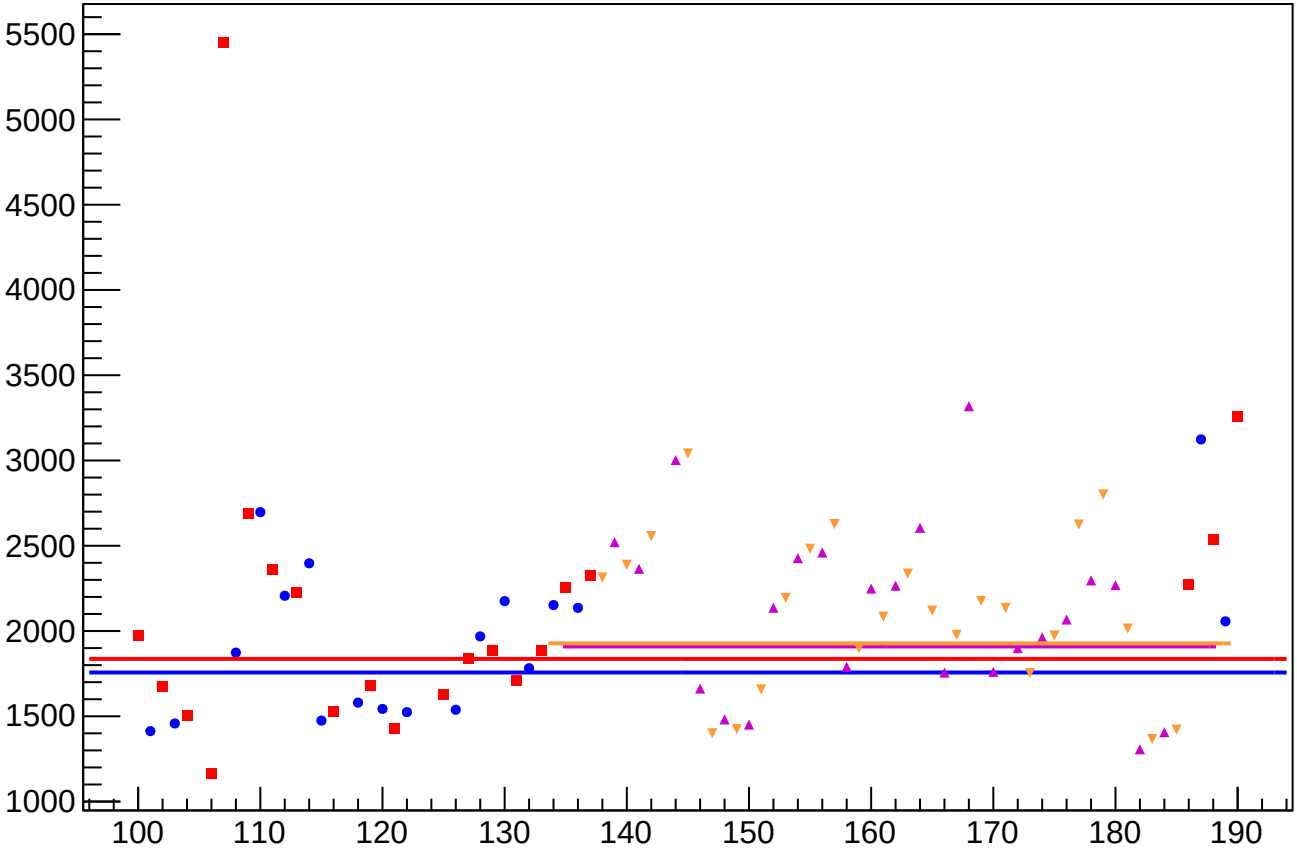
Right: -583.588+/-452.931 χ^2/NDF: 38.8/38

In: -108.302+/-373.734 χ^2/NDF:29.9/40

Out: -637.302+/-375.170 χ^2/NDF:52.6/44

All: -371.788+/-264.776 χ^2/NDF: 83.5/85

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

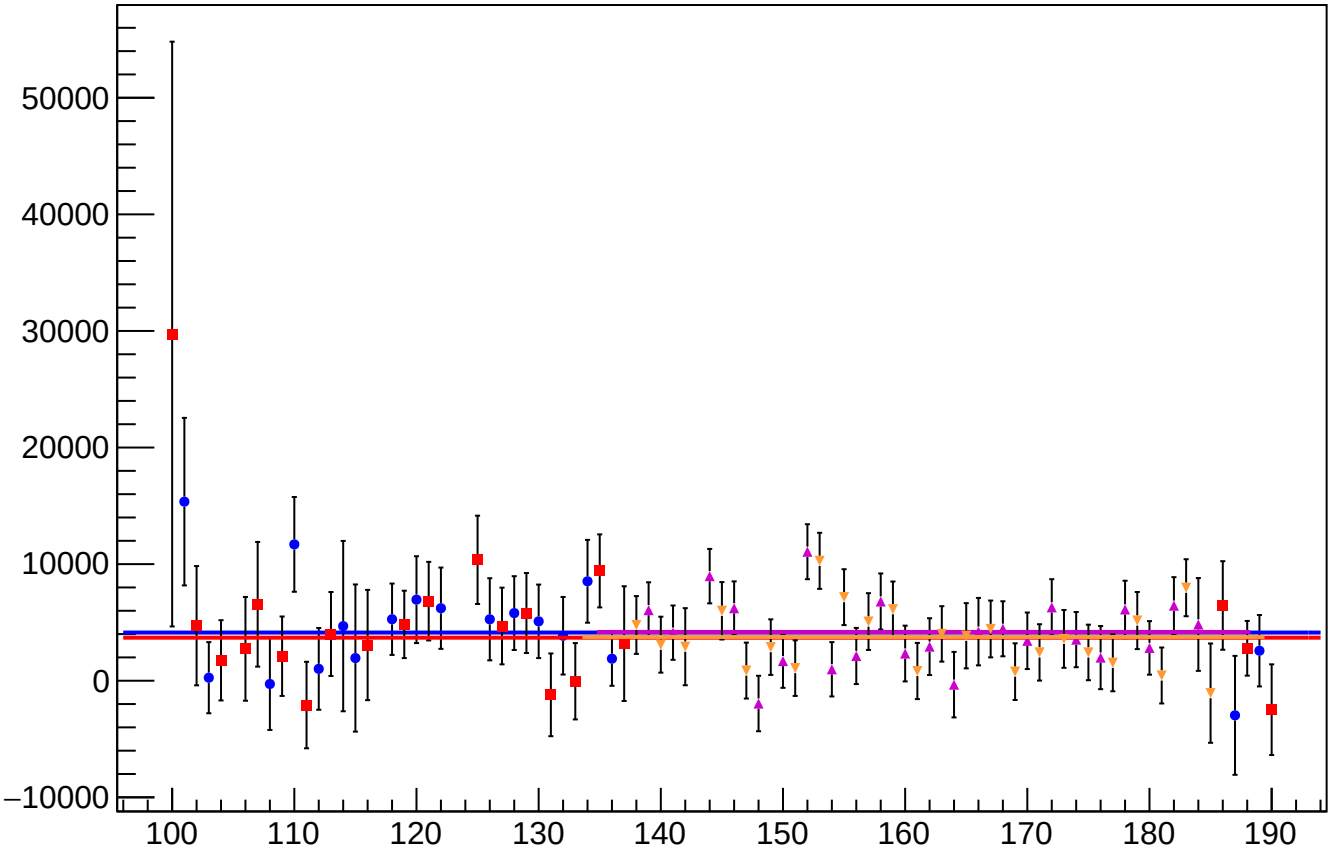
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1796.531+/-0.320 χ^2/NDF: 1666945.5/38

In: 1857.381+/-0.264 χ^2/NDF:2593827.4/40

Out: 1896.544+/-0.265 χ^2/NDF:2900036.3/44

All: 1876.887+/-0.187 χ^2/NDF: 5504801.8/85



Right In: 4131.572+/-839.547 χ^2/NDF: 15.9/17

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3692.812+/-796.008 χ^2/NDF: 18.8/20

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

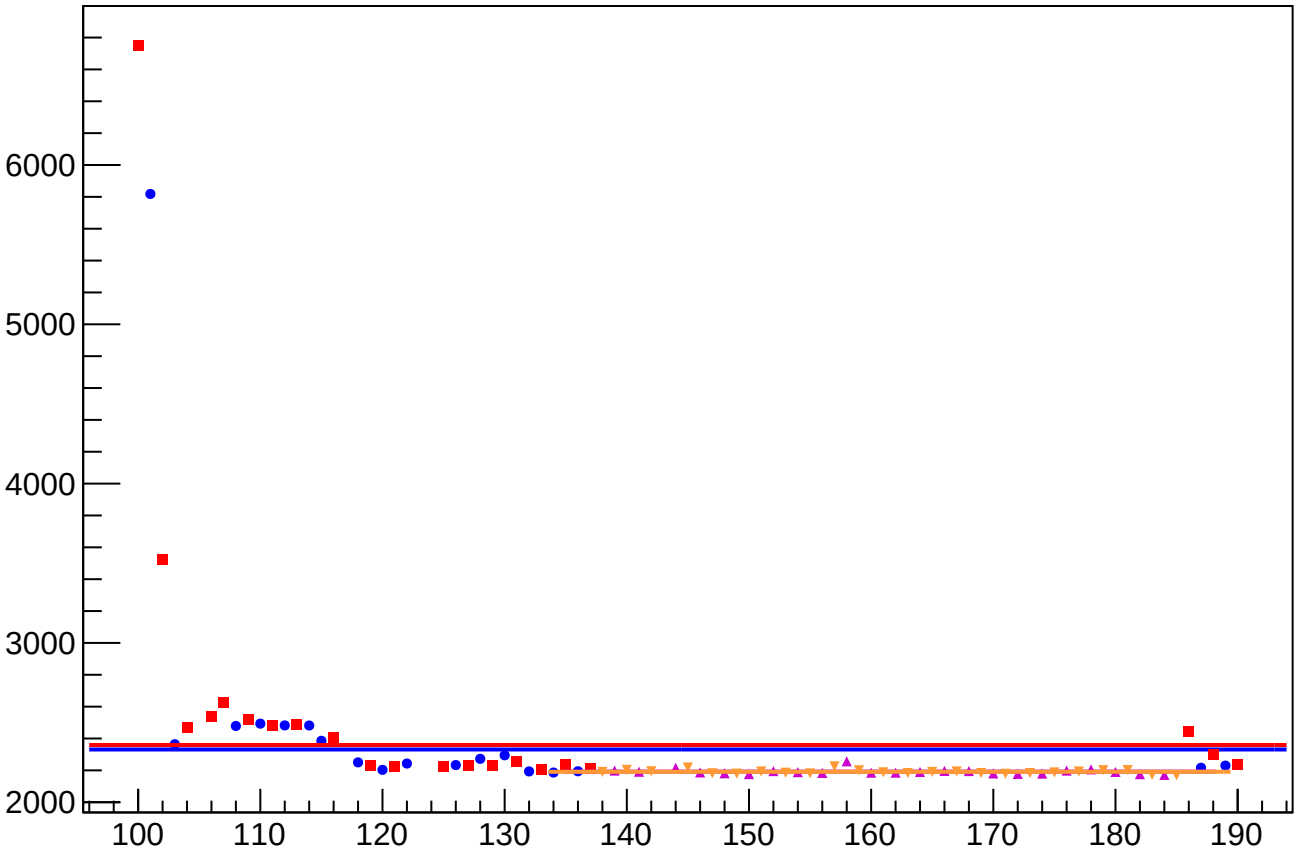
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 3900.520+/-577.642 χ^2/NDF: 34.8/38

In: 4169.948+/-437.040 χ^2/NDF:48.6/40

Out: 3736.310+/-428.567 χ^2/NDF:44.5/44

All: 3948.885+/-305.994 χ^2/NDF: 93.5/85



Right In: 2330.984+/-0.594 χ^2/NDF: 506421.3/17

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2359.150+/-0.563 χ^2/NDF: 214656.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

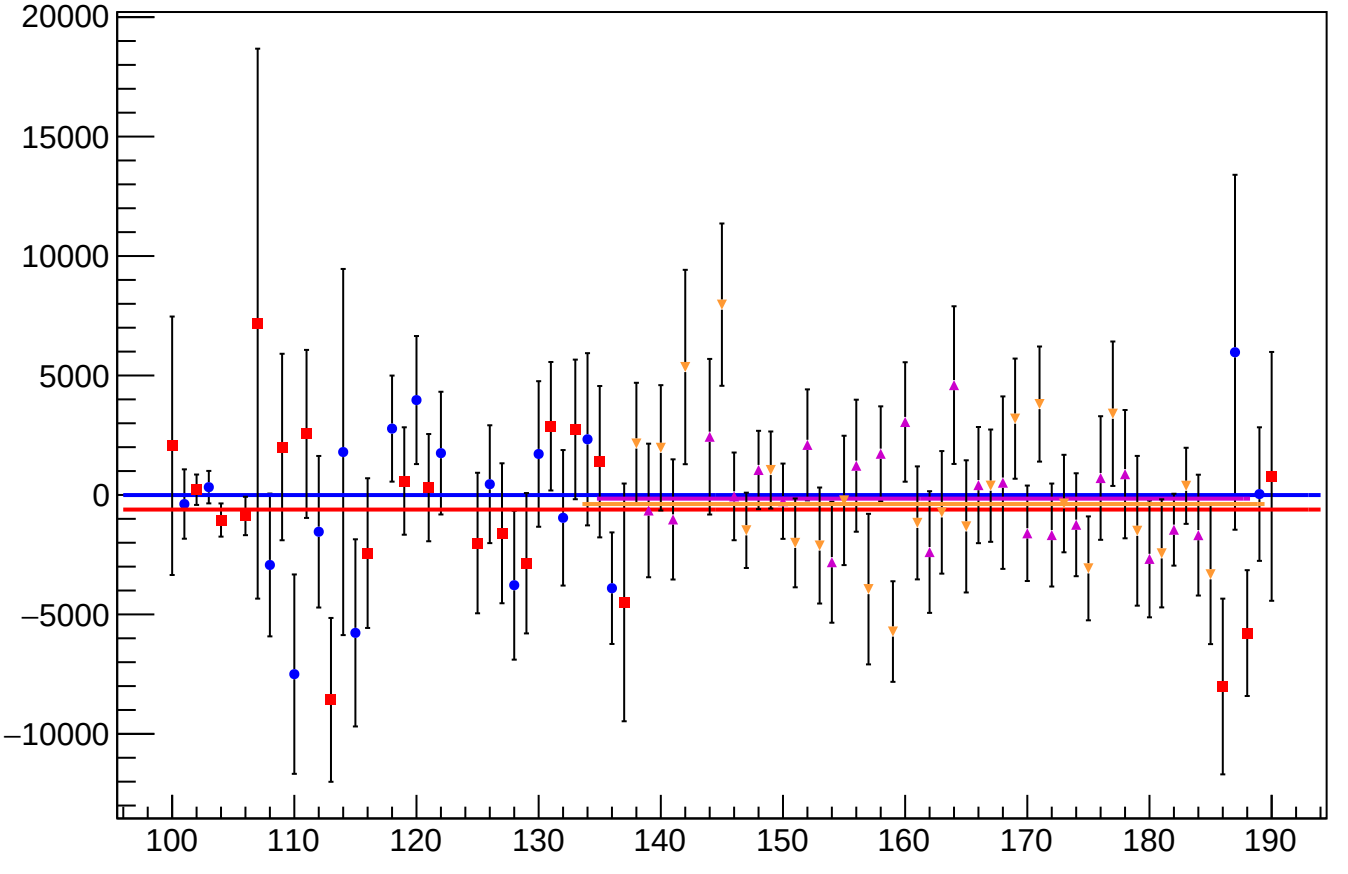
Right: 2345.816+/-0.408 χ^2/NDF: 722263.4/38

In: 2229.810+/-0.309 χ^2/NDF:548545.5/40

Out: 2239.846+/-0.303 χ^2/NDF:279151.7/44

All: 2234.926+/-0.216 χ^2/NDF: 828234.8/85

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.633+/-477.187 χ^2/NDF: 17.0/17

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -611.535+/-356.641 χ^2/NDF: 23.3/20

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

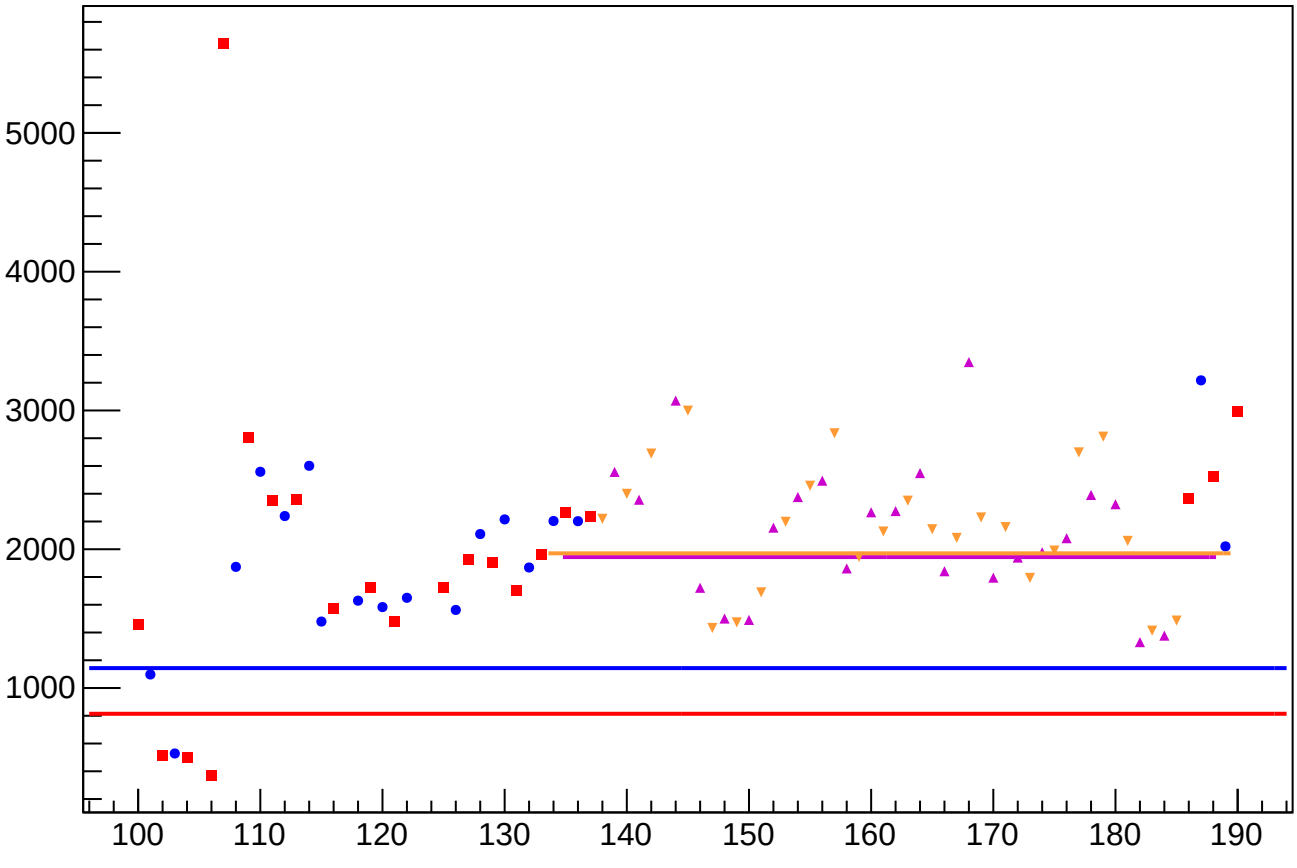
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -394.027+/-285.671 χ^2/NDF: 41.3/38

In: -81.029+/-334.126 χ^2/NDF:29.8/40

Out: -527.447+/-284.433 χ^2/NDF:54.2/44

All: -339.872+/-216.584 χ^2/NDF: 85.1/85



Right In: 1143.436+/-0.337 χ^2/NDF: 4109890.6/17

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 814.363+/-0.252 χ^2/NDF: 7197576.0/20

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

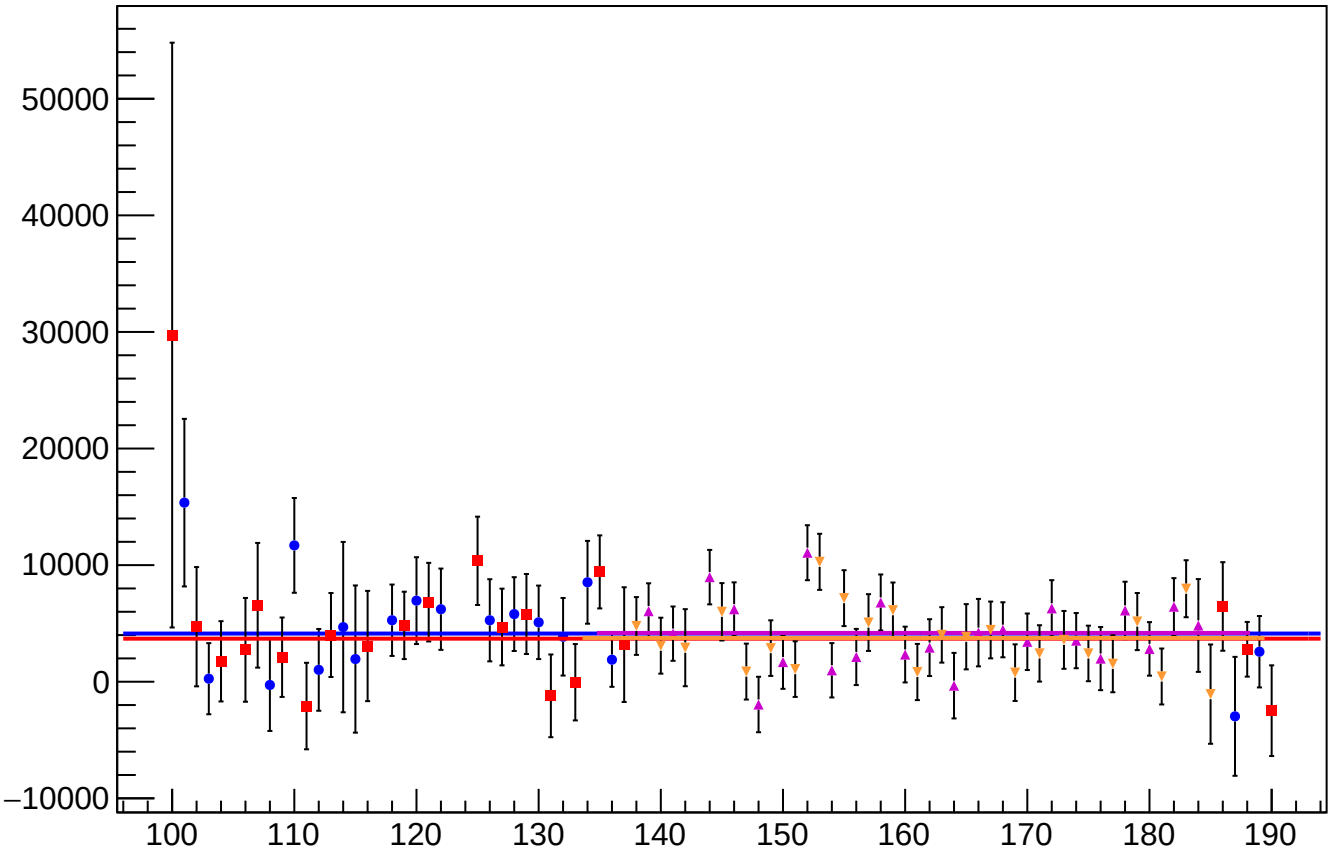
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 932.299+/-0.202 χ^2/NDF: 11917719.9/38

In: 1551.309+/-0.236 χ^2/NDF:8859458.3/40

Out: 1235.186+/-0.201 χ^2/NDF:16545522.6/44

All: 1368.014+/-0.153 χ^2/NDF: 26443028.5/8



Right In: 4131.568+/-839.547 χ^2/NDF: 15.9/17

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3692.807+/-796.008 χ^2/NDF: 18.8/20

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

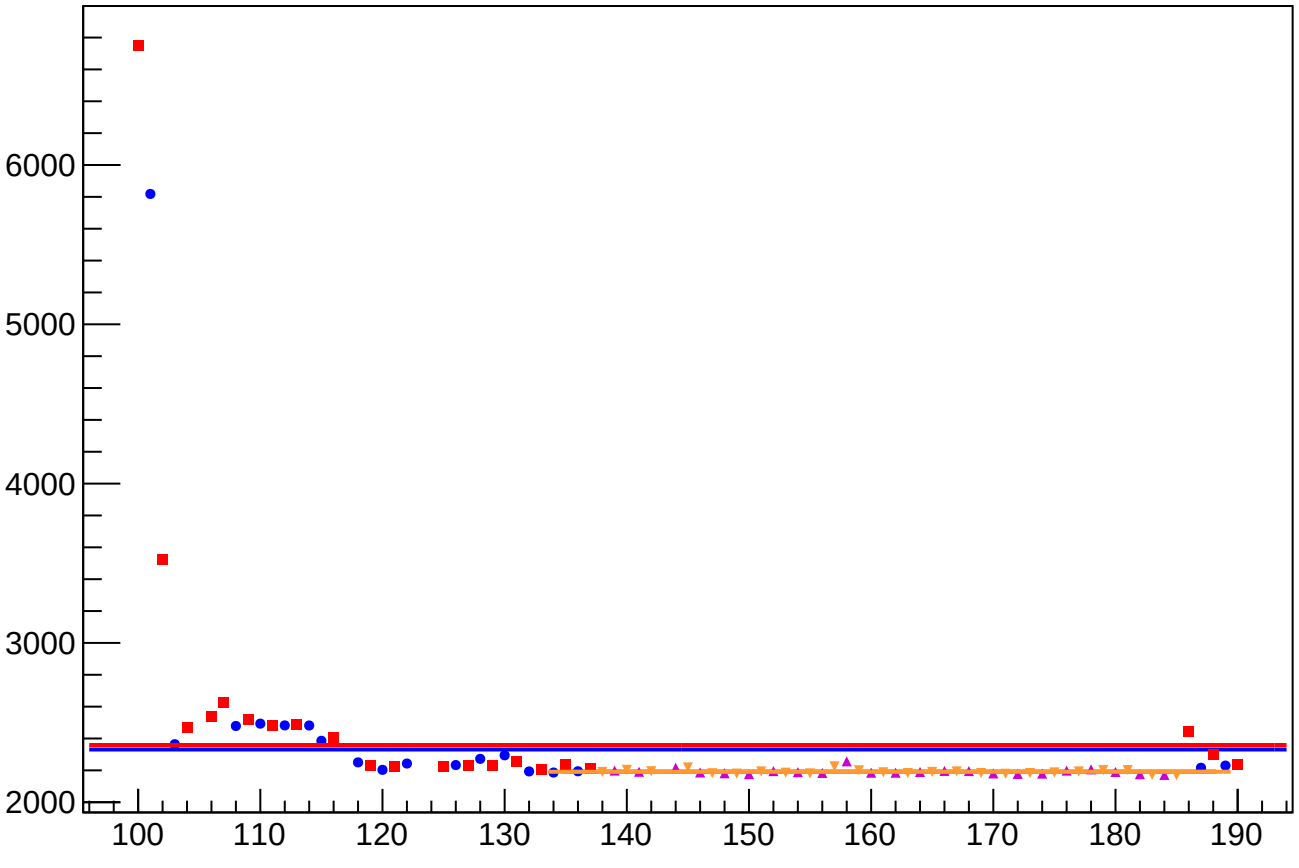
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 3900.516+/-577.641 χ^2/NDF: 34.8/38

In: 4169.948+/-437.040 χ^2/NDF:48.6/40

Out: 3736.307+/-428.567 χ^2/NDF:44.5/44

All: 3948.883+/-305.994 χ^2/NDF: 93.5/85



Right In: 2330.983+/-0.594 χ^2/NDF: 506421.2/17

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2359.149+/-0.563 χ^2/NDF: 214655.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

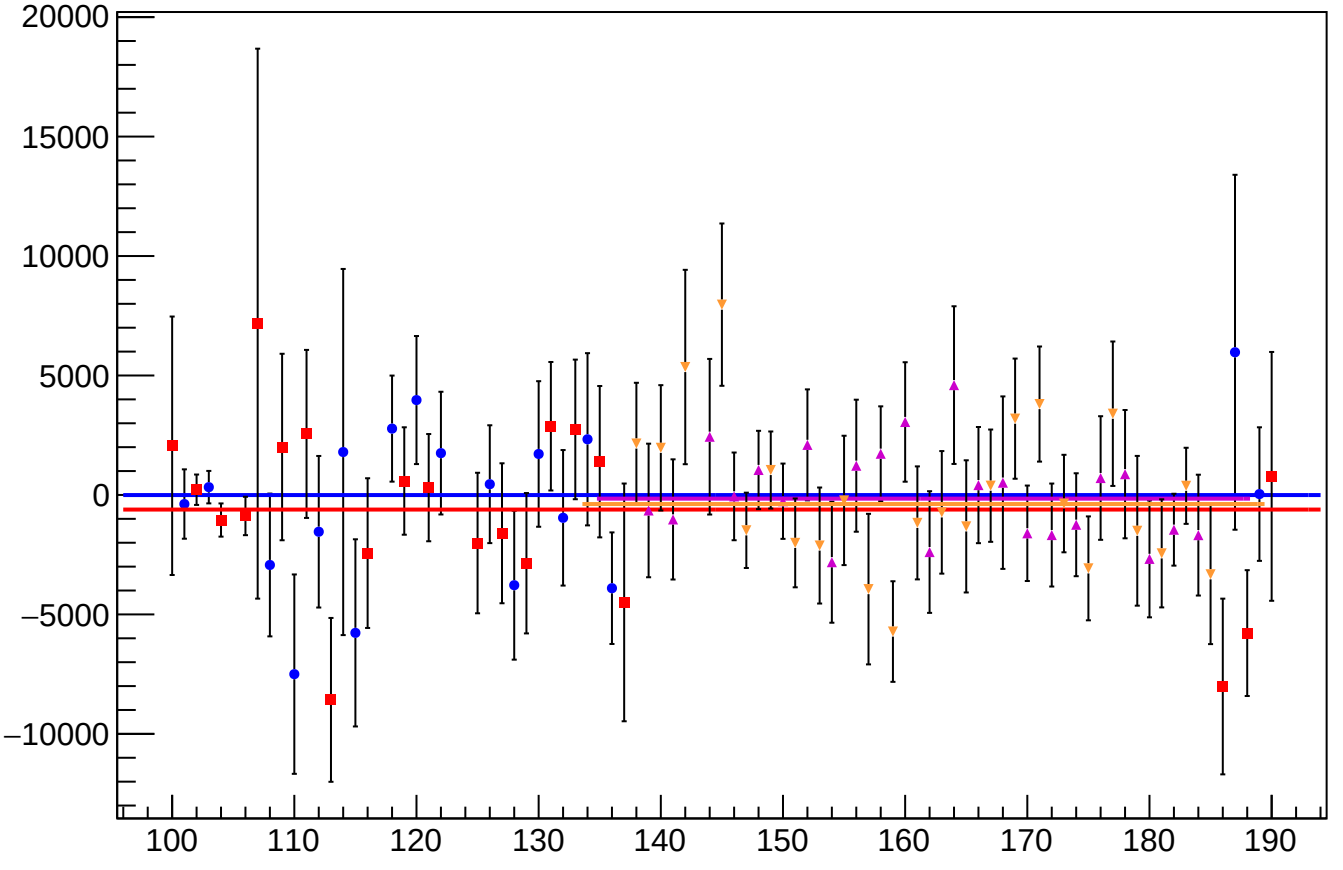
Right: 2345.816+/-0.408 χ^2/NDF: 722262.3/38

In: 2229.810+/-0.309 χ^2/NDF:548545.3/40

Out: 2239.846+/-0.303 χ^2/NDF:279150.2/44

All: 2234.926+/-0.216 χ^2/NDF: 828233.2/85

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.640+/-477.189 χ^2/NDF: 17.0/17

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -611.542+/-356.646 χ^2/NDF: 23.3/20

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

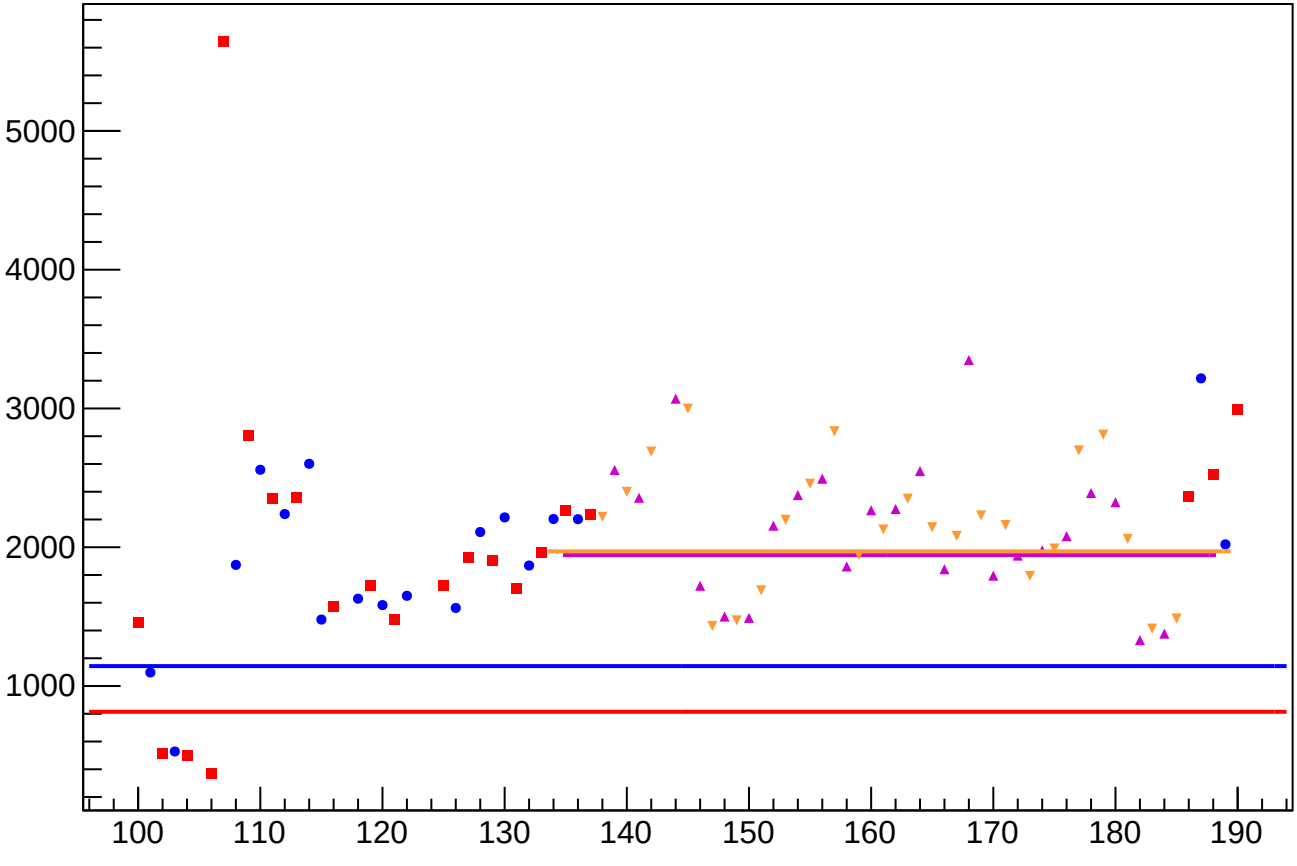
Right: -394.032+/-285.674 χ^2/NDF: 41.3/38

In: -81.033+/-334.128 χ^2/NDF:29.8/40

Out: -527.452+/-284.435 χ^2/NDF:54.2/44

All: -339.875+/-216.586 χ^2/NDF: 85.1/85

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1143.446+/-0.337 χ^2/NDF: 4109810.3/17

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 814.379+/-0.252 χ^2/NDF: 7197431.9/20

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

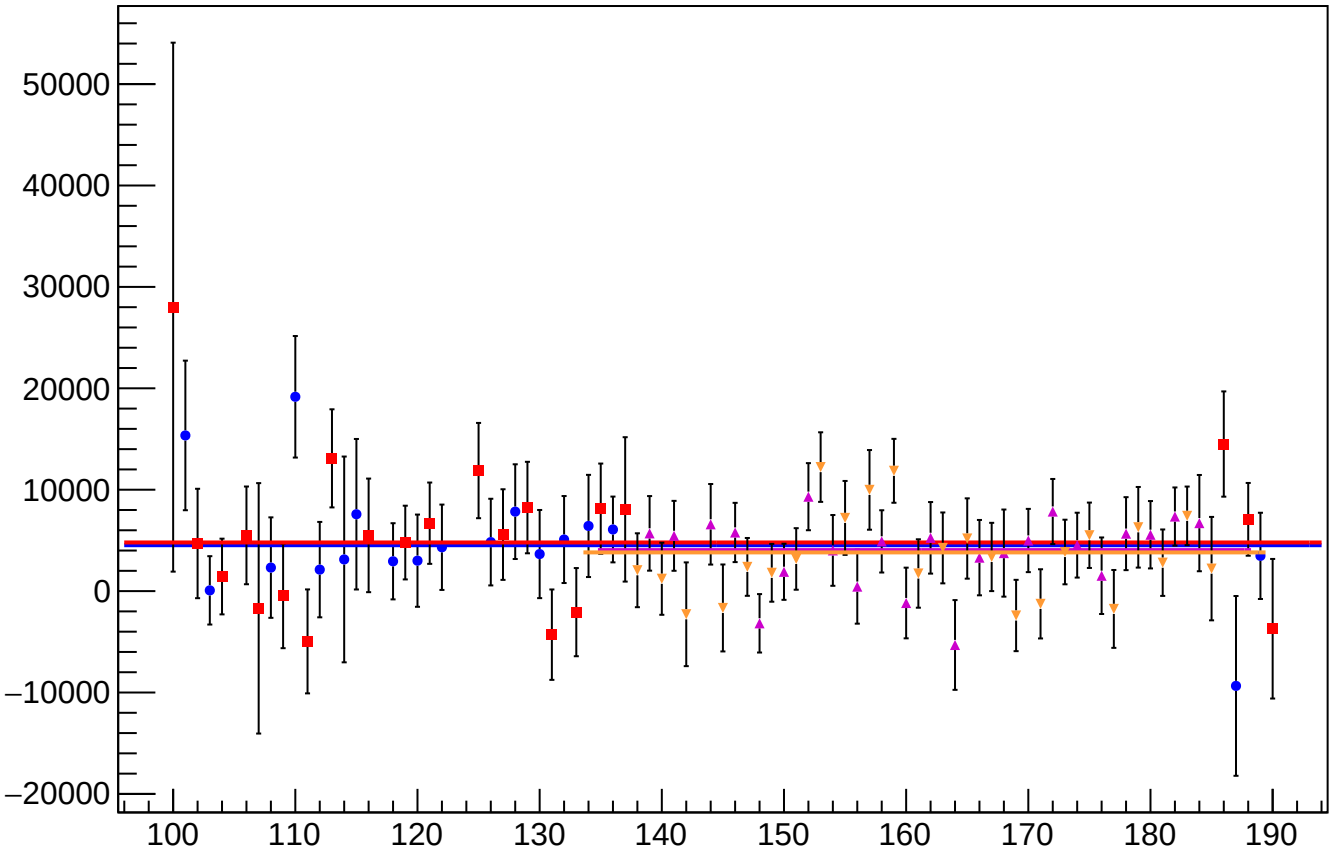
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 932.315+/-0.202 χ^2/NDF: 11917463.1/38

In: 1551.317+/-0.236 χ^2/NDF:8859310.8/40

Out: 1235.203+/-0.201 χ^2/NDF:16545124.6/44

All: 1368.028+/-0.153 χ^2/NDF: 26442410.2/8



Right In: 4527.376+/-1094.947 χ^2/NDF: 14.3/17

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 4797.494+/-1054.514 χ^2/NDF: 25.5/20

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

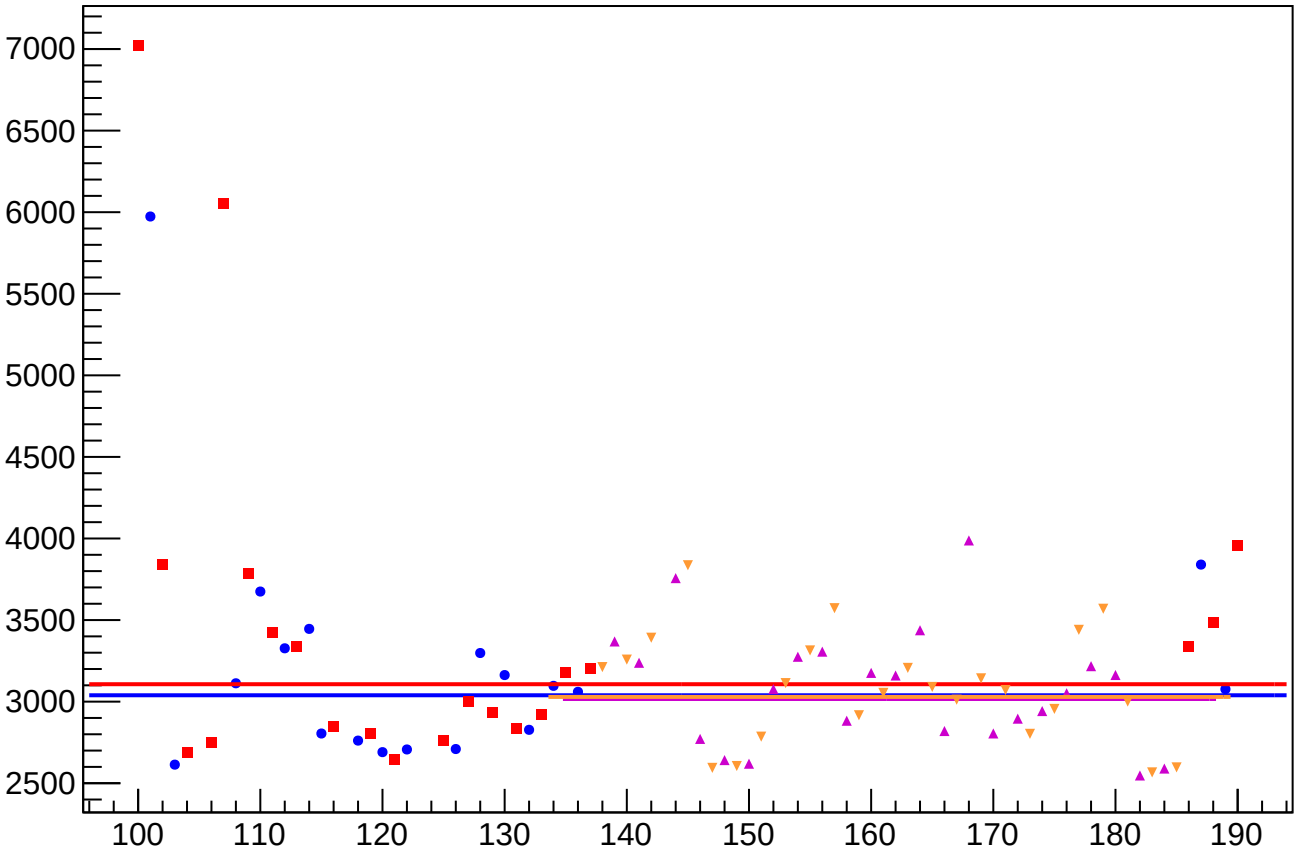
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4667.514+/-759.546 χ^2/NDF: 39.8/38

In: 4185.850+/-595.469 χ^2/NDF:36.9/40

Out: 4122.415+/-587.983 χ^2/NDF:57.0/44

All: 4153.731+/-418.388 χ^2/NDF: 93.9/85



Right In: 3039.063+/-0.774 χ^2/NDF: 460575.6/17

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3106.816+/-0.746 χ^2/NDF: 407068.0/20

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

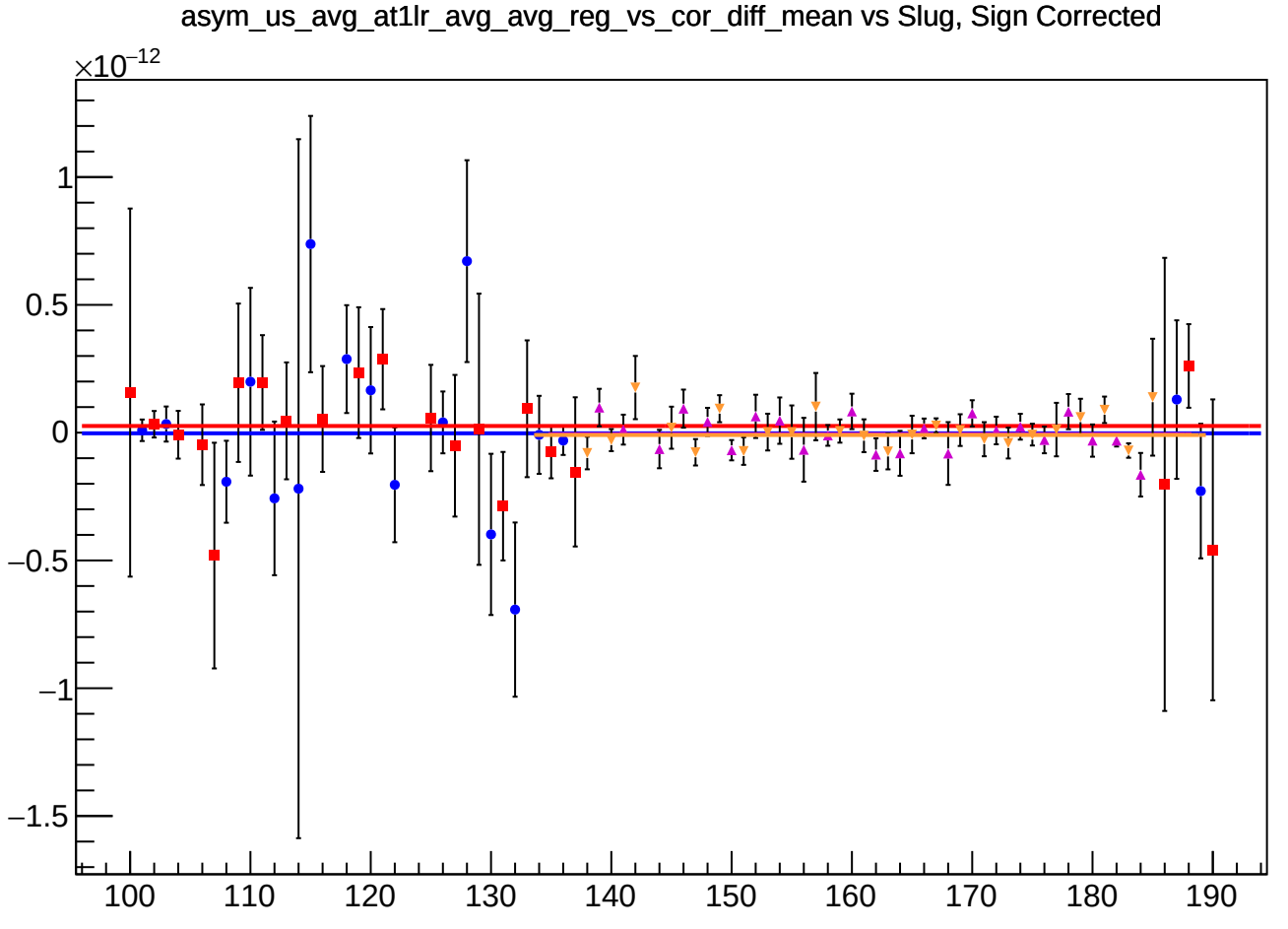
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3074.214+/-0.537 χ^2/NDF: 871616.6/38

In: 3022.998+/-0.421 χ^2/NDF:901084.7/40

Out: 3053.182+/-0.416 χ^2/NDF:811687.4/44

All: 3038.281+/-0.296 χ^2/NDF: 1715374.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.8/20

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

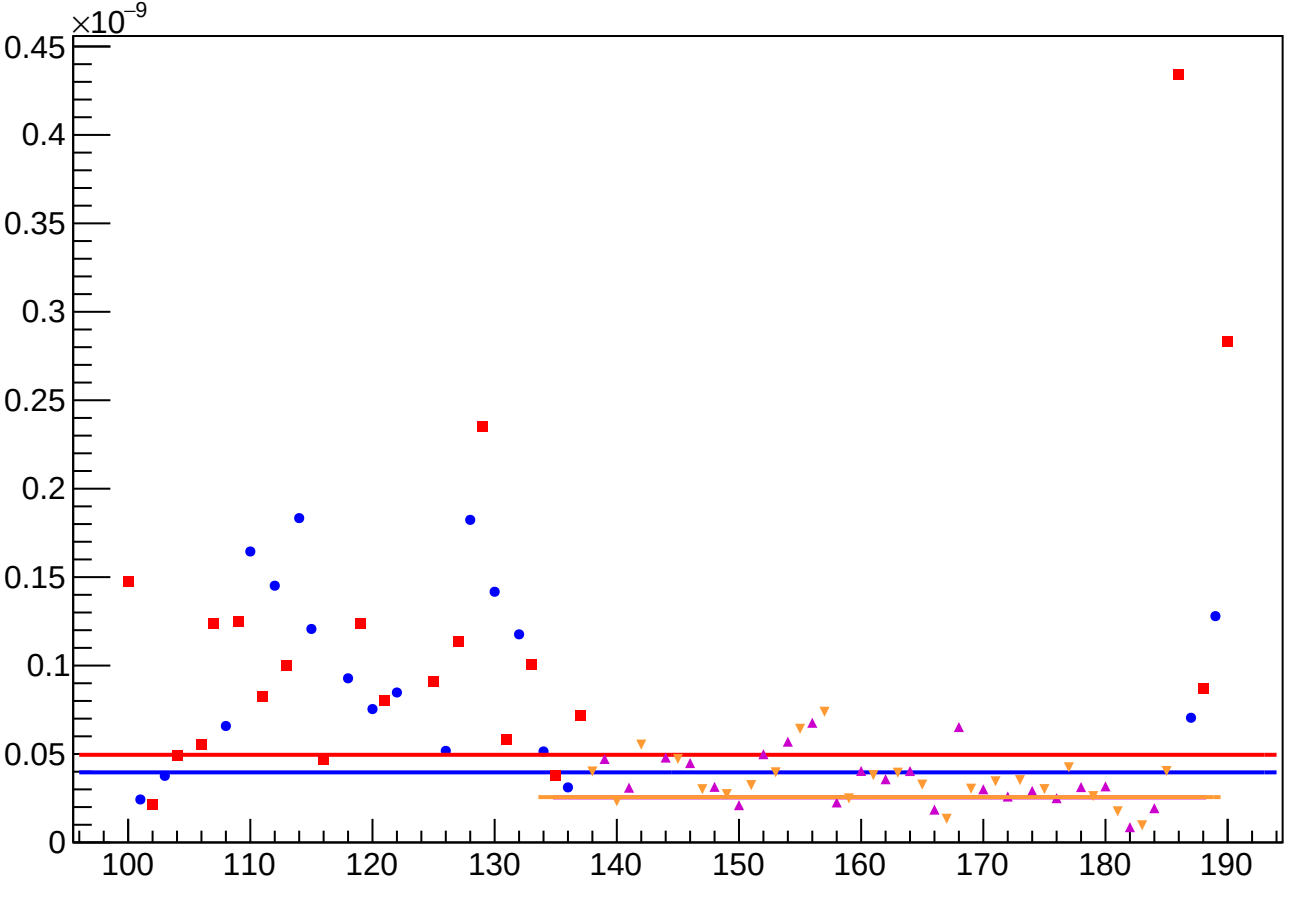
Right: 0.000+/-0.000 χ^2/NDF: 30.3/38

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:37.0/44

All: -0.000+/-0.000 χ^2/NDF: 78.3/85

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2020024.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2509643.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

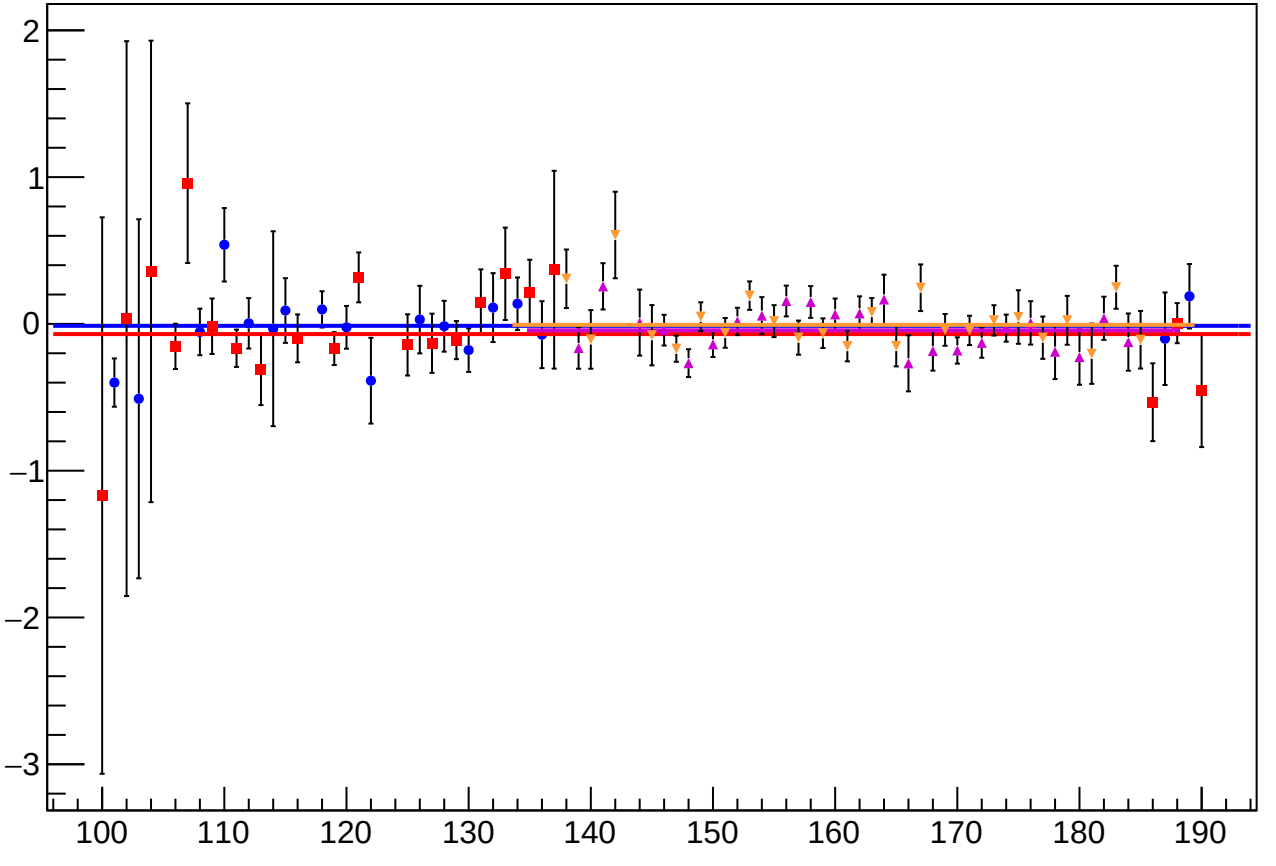
Right: 0.000+/-0.000 χ^2/NDF: 4635501.2/38

In: 0.000+/-0.000 χ^2/NDF:5297795.7/40

Out: 0.000+/-0.000 χ^2/NDF:5858679.1/44

All: 0.000+/-0.000 χ^2/NDF: 11158379.9/85

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

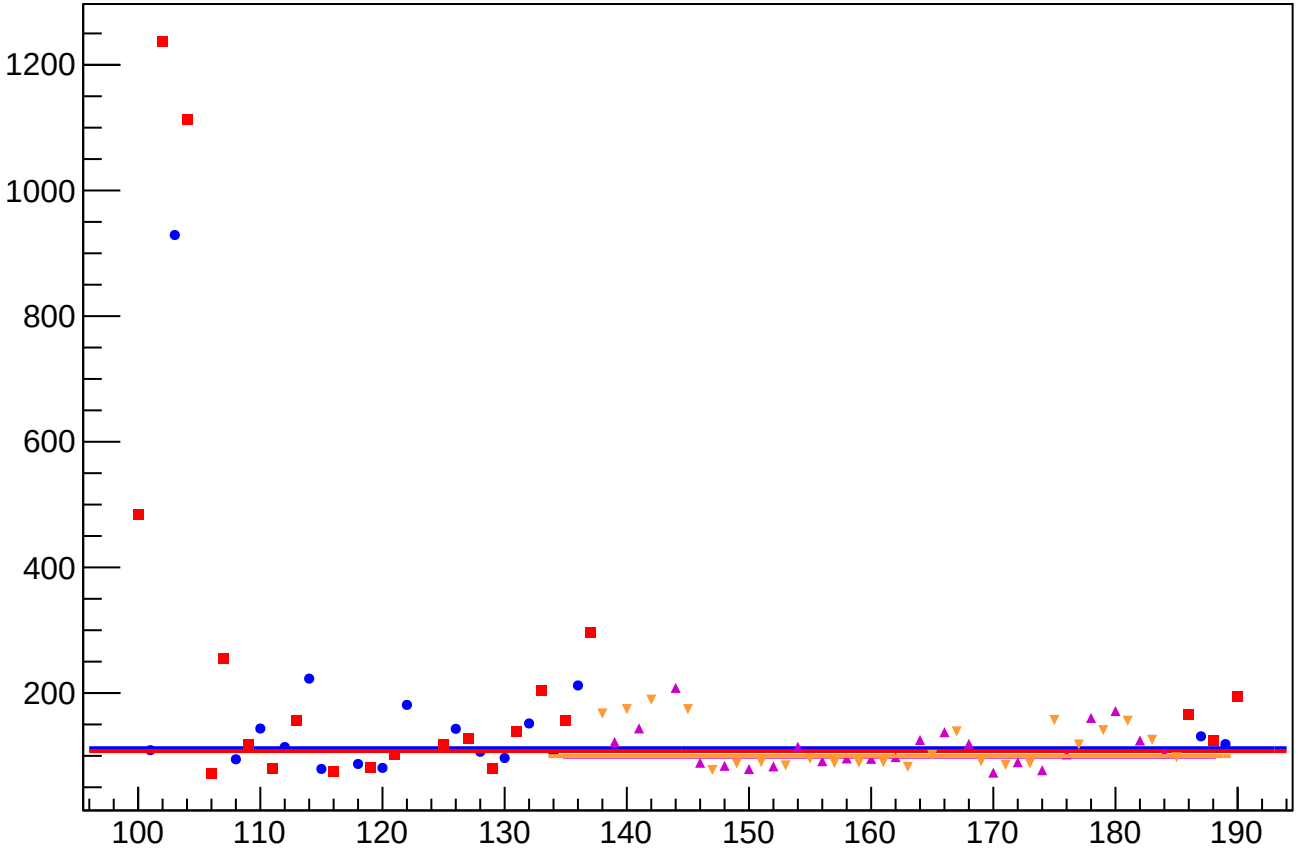
Right: -0.043+/-0.031 χ^2/NDF: 38.7/38

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.030+/-0.015 χ^2/NDF: 97.9/85

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

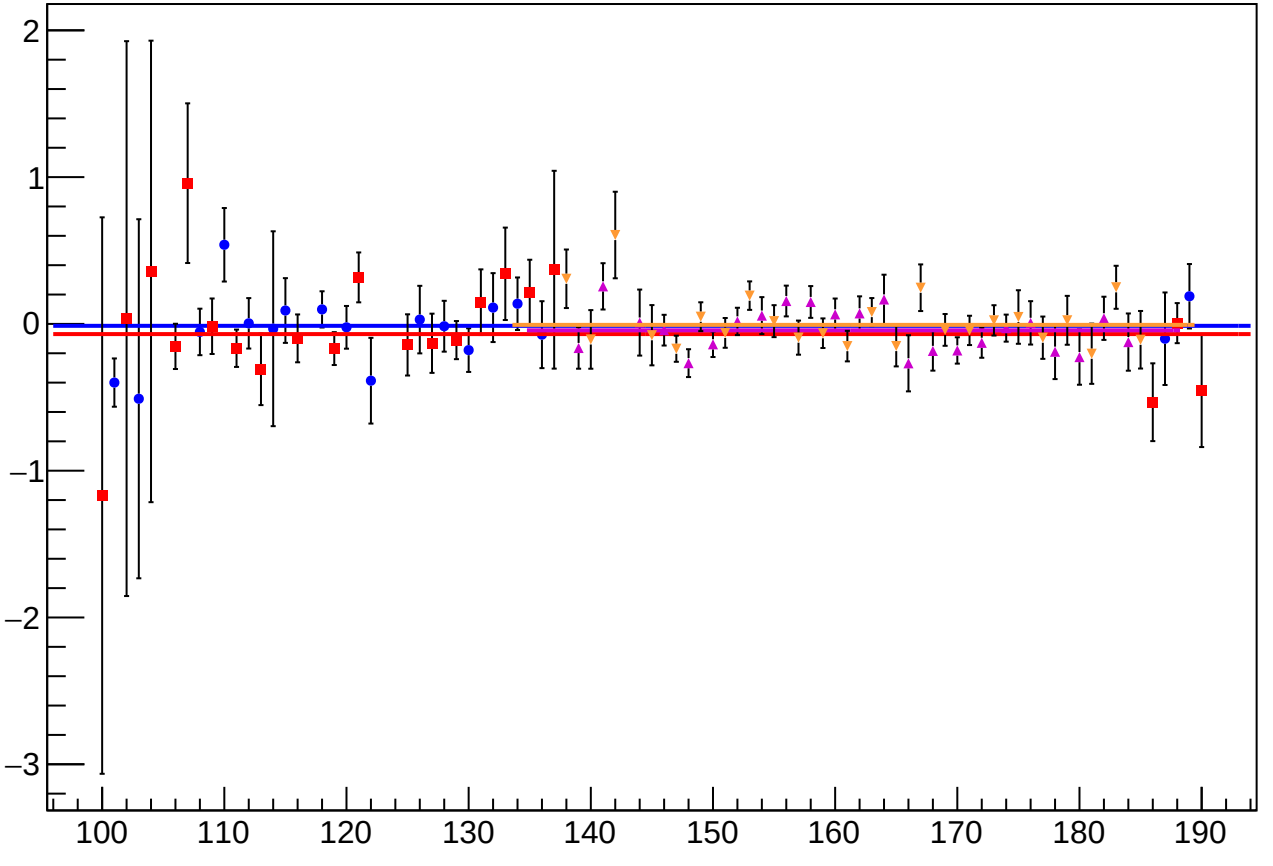
Right: 109.757+/-0.022 χ^2/NDF: 4938538.8/38

In: 101.750+/-0.016 χ^2/NDF:3984482.8/40

Out: 101.664+/-0.015 χ^2/NDF:5202777.6/44

All: 101.706+/-0.011 χ^2/NDF: 9187275.7/85

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

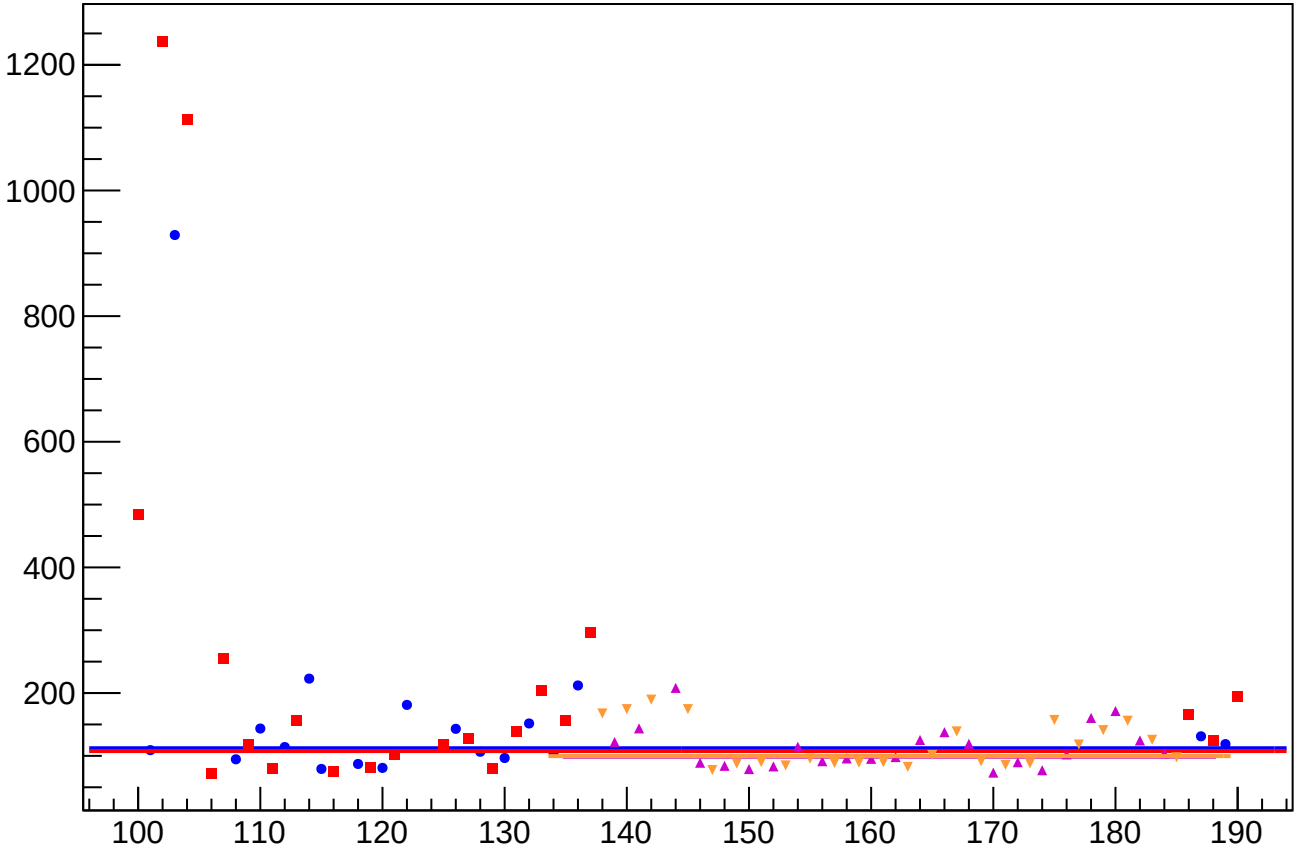
Right: -0.043+/-0.031 χ^2/NDF: 38.7/38

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.030+/-0.015 χ^2/NDF: 97.9/85

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

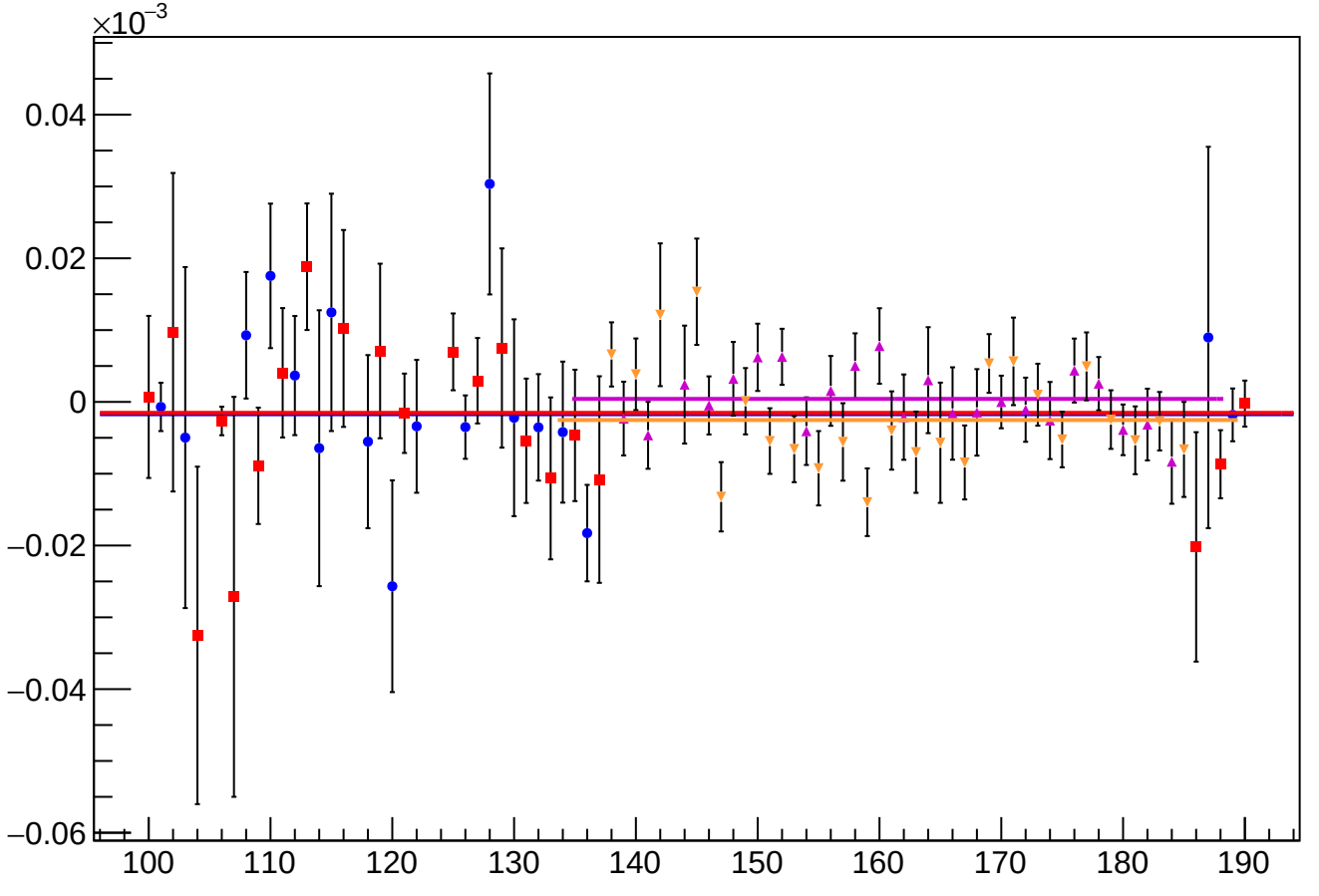
Right: 109.757+/-0.022 χ^2/NDF: 4938538.8/38

In: 101.750+/-0.016 χ^2/NDF:3984482.8/40

Out: 101.664+/-0.015 χ^2/NDF:5202777.6/44

All: 101.706+/-0.011 χ^2/NDF: 9187275.7/85

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

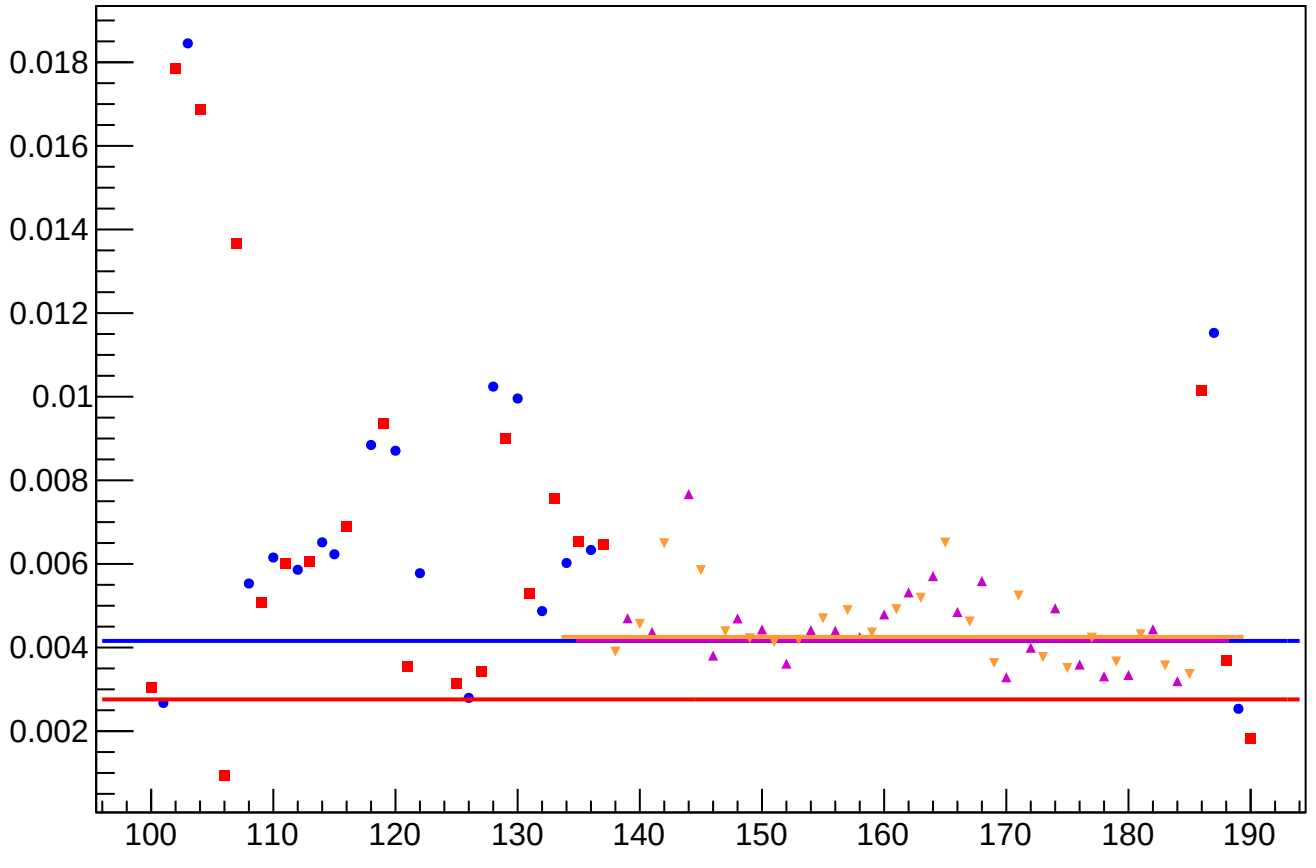
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

Right: -0.000+/-0.000 χ^2/NDF: 39.9/38

In: -0.000+/-0.000 χ^2/NDF:37.3/40

Out: -0.000+/-0.000 χ^2/NDF:60.2/44

All: -0.000+/-0.000 χ^2/NDF: 100.5/85



Right In: 0.004+/-0.000 χ^2/NDF: 3645186.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7282538.4/20

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

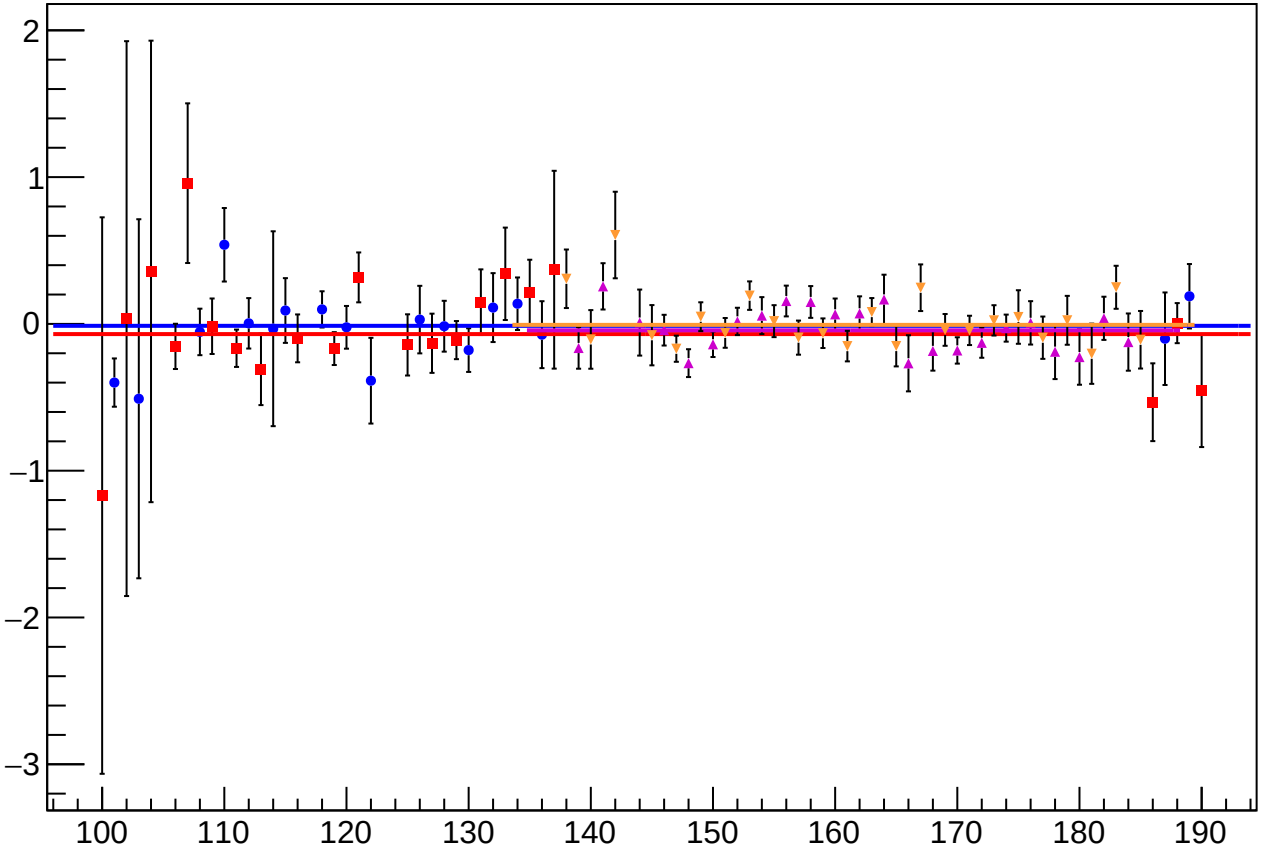
Right: 0.003+/-0.000 χ^2/NDF: 11785624.5/38

In: 0.004+/-0.000 χ^2/NDF:4922645.3/40

Out: 0.004+/-0.000 χ^2/NDF:9785038.5/44

All: 0.004+/-0.000 χ^2/NDF: 15043928.5/85

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

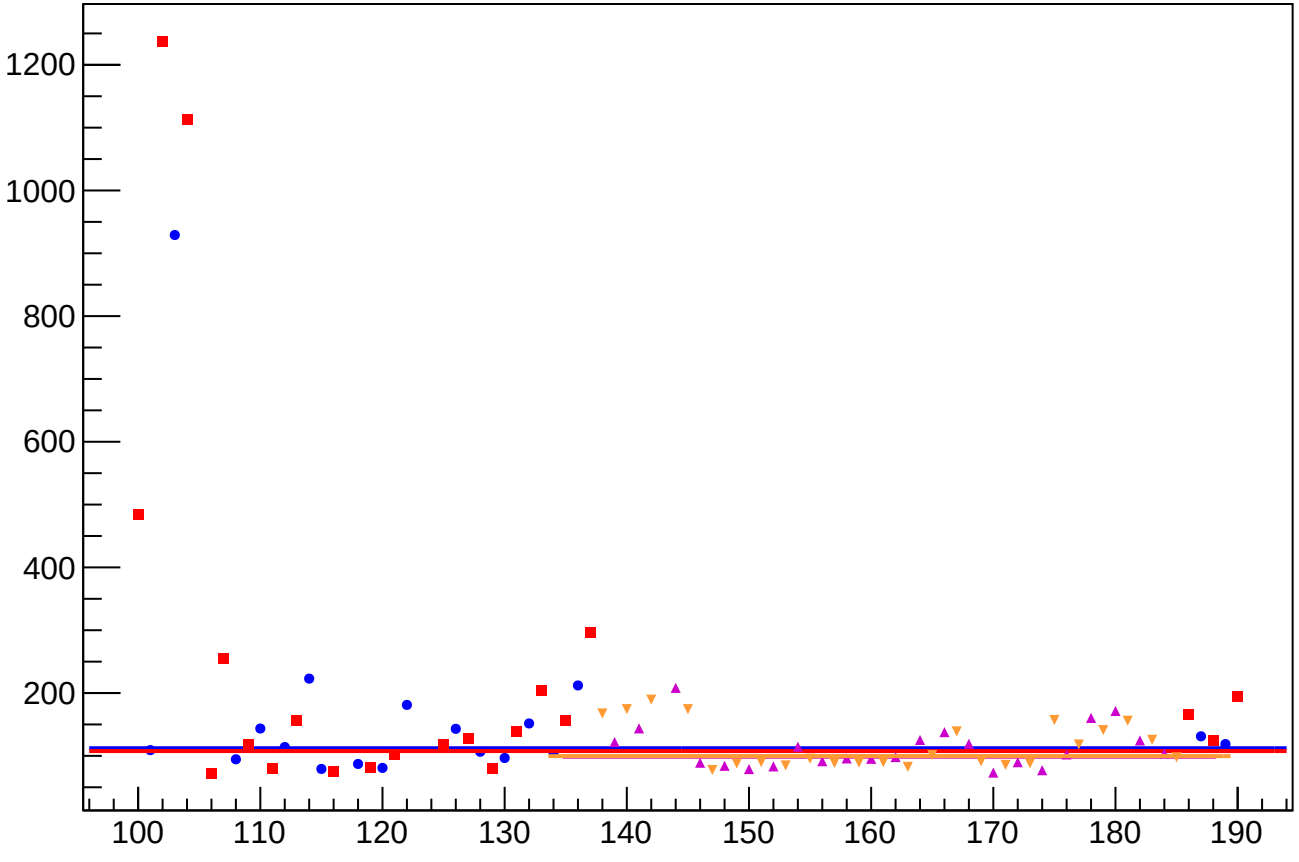
Right: -0.043+/-0.031 χ^2/NDF: 38.7/38

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.030+/-0.015 χ^2/NDF: 97.9/85

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

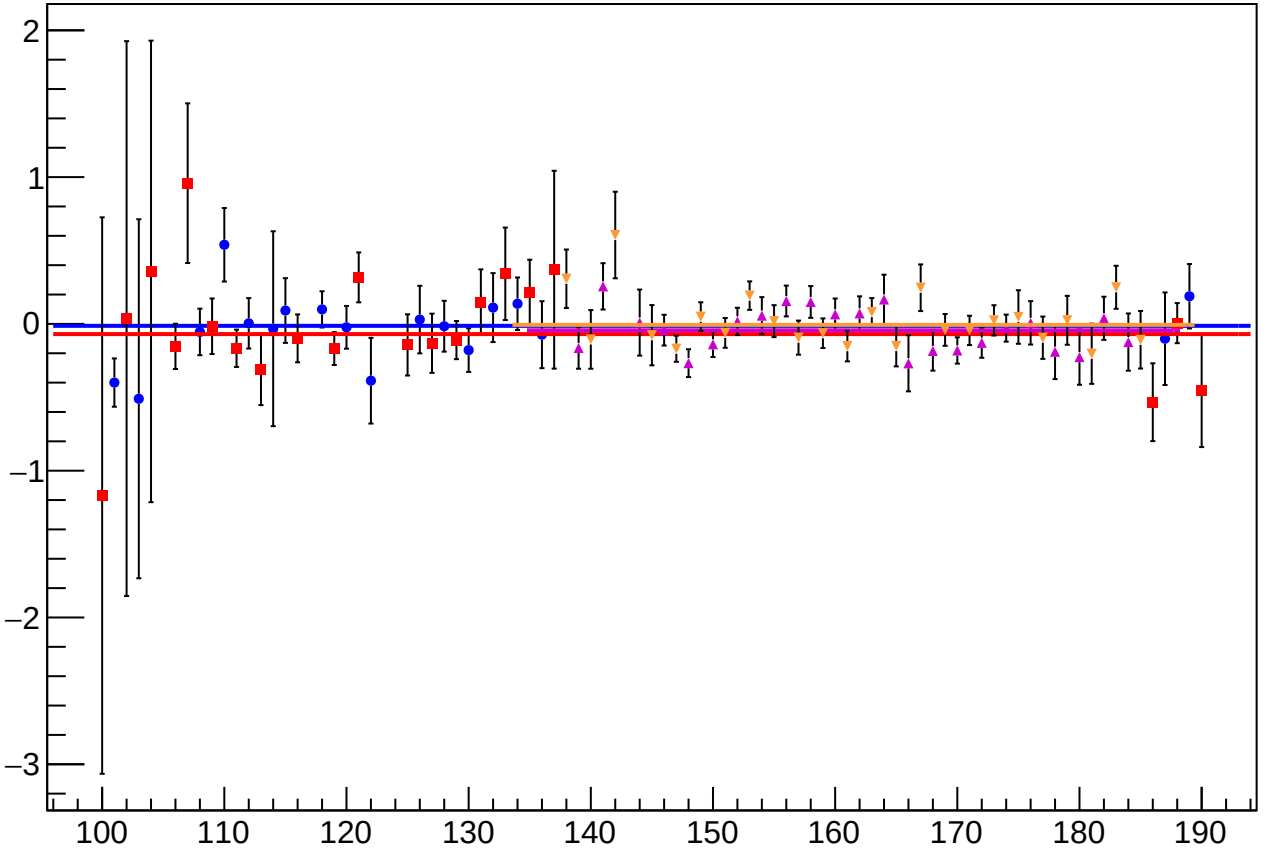
Right: 109.755+/-0.022 χ^2/NDF: 4938615.7/38

In: 101.749+/-0.016 χ^2/NDF:3984455.1/40

Out: 101.664+/-0.015 χ^2/NDF:5202742.3/44

All: 101.706+/-0.011 χ^2/NDF: 9187212.6/85

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

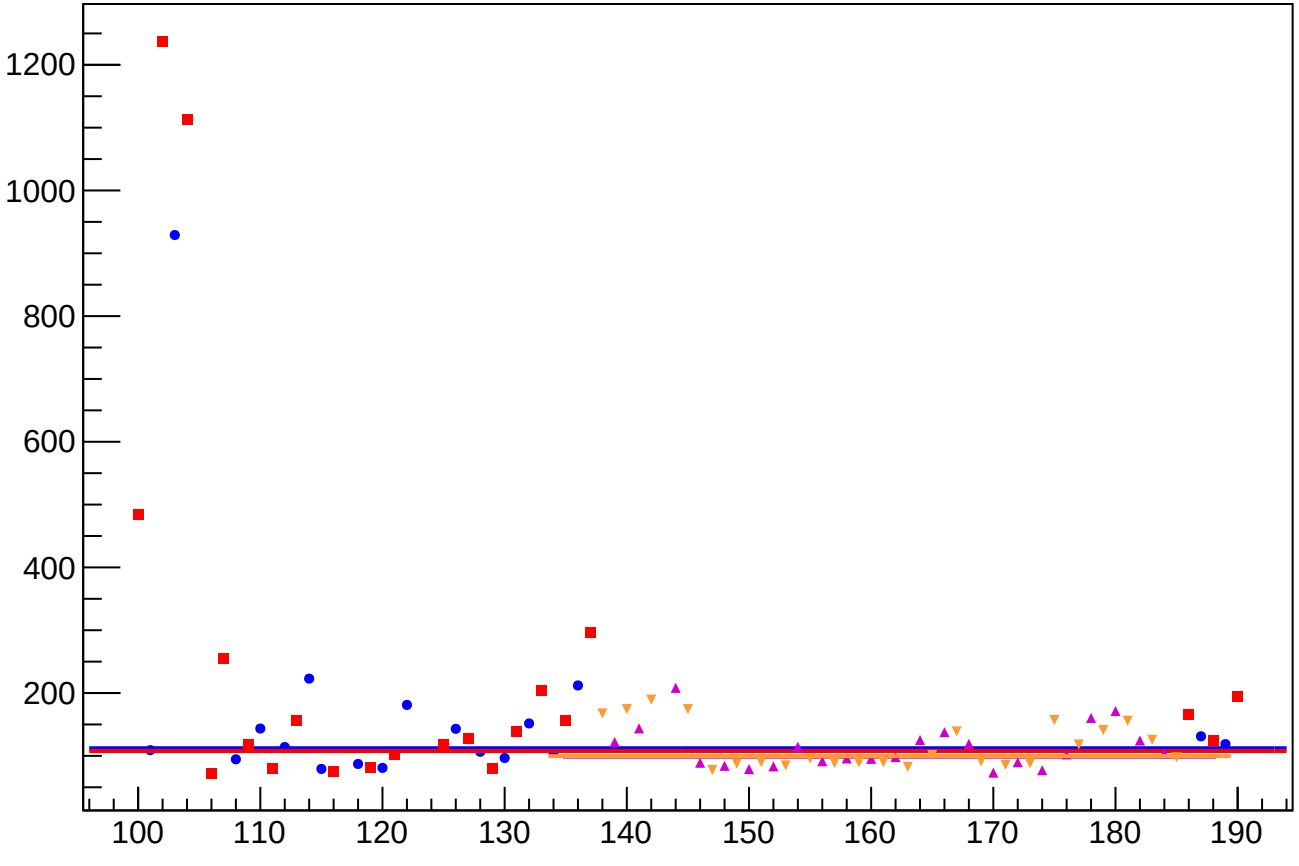
Right: -0.043+/-0.031 χ^2/NDF: 38.7/38

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.030+/-0.015 χ^2/NDF: 97.9/85

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

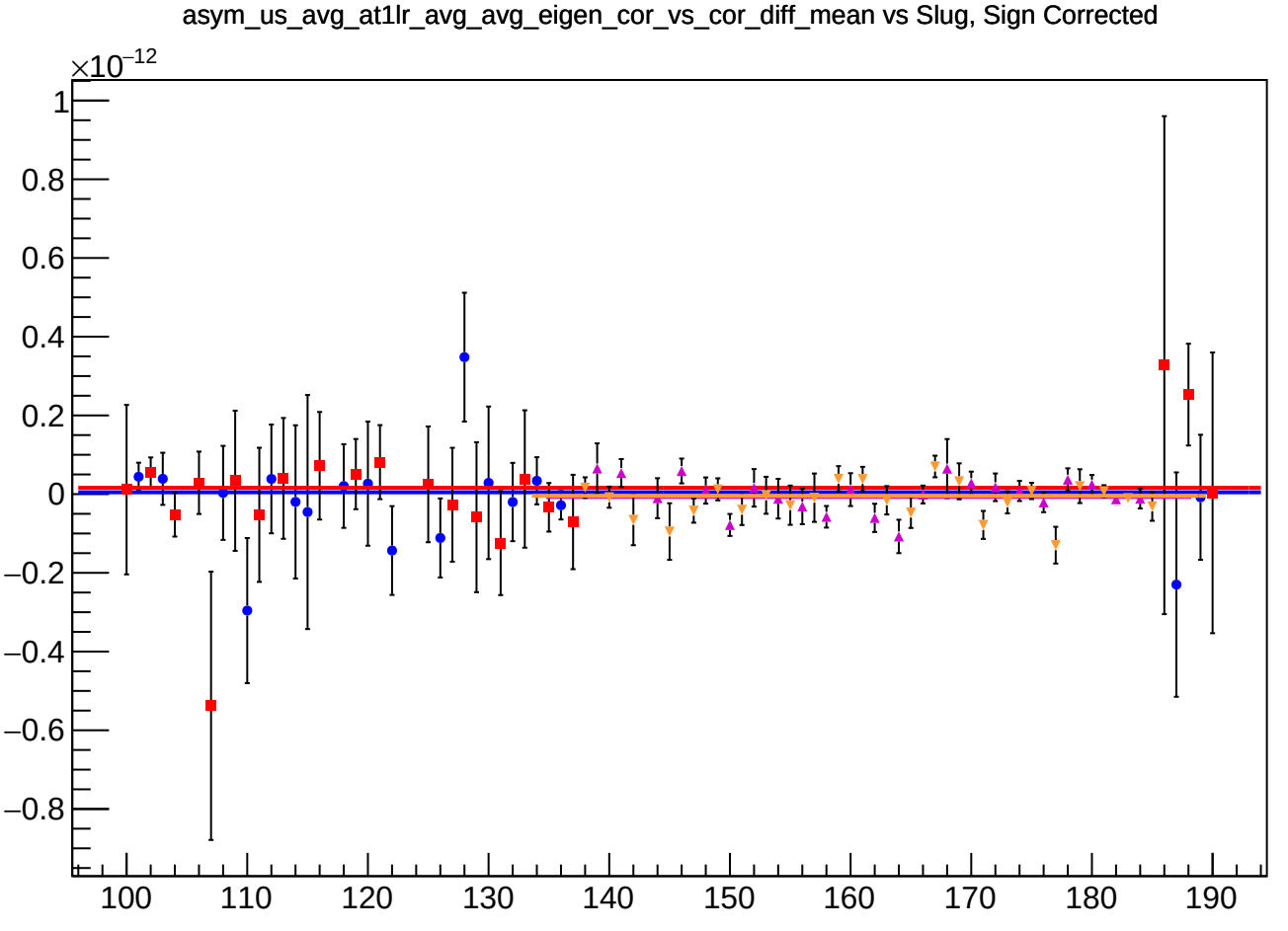
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

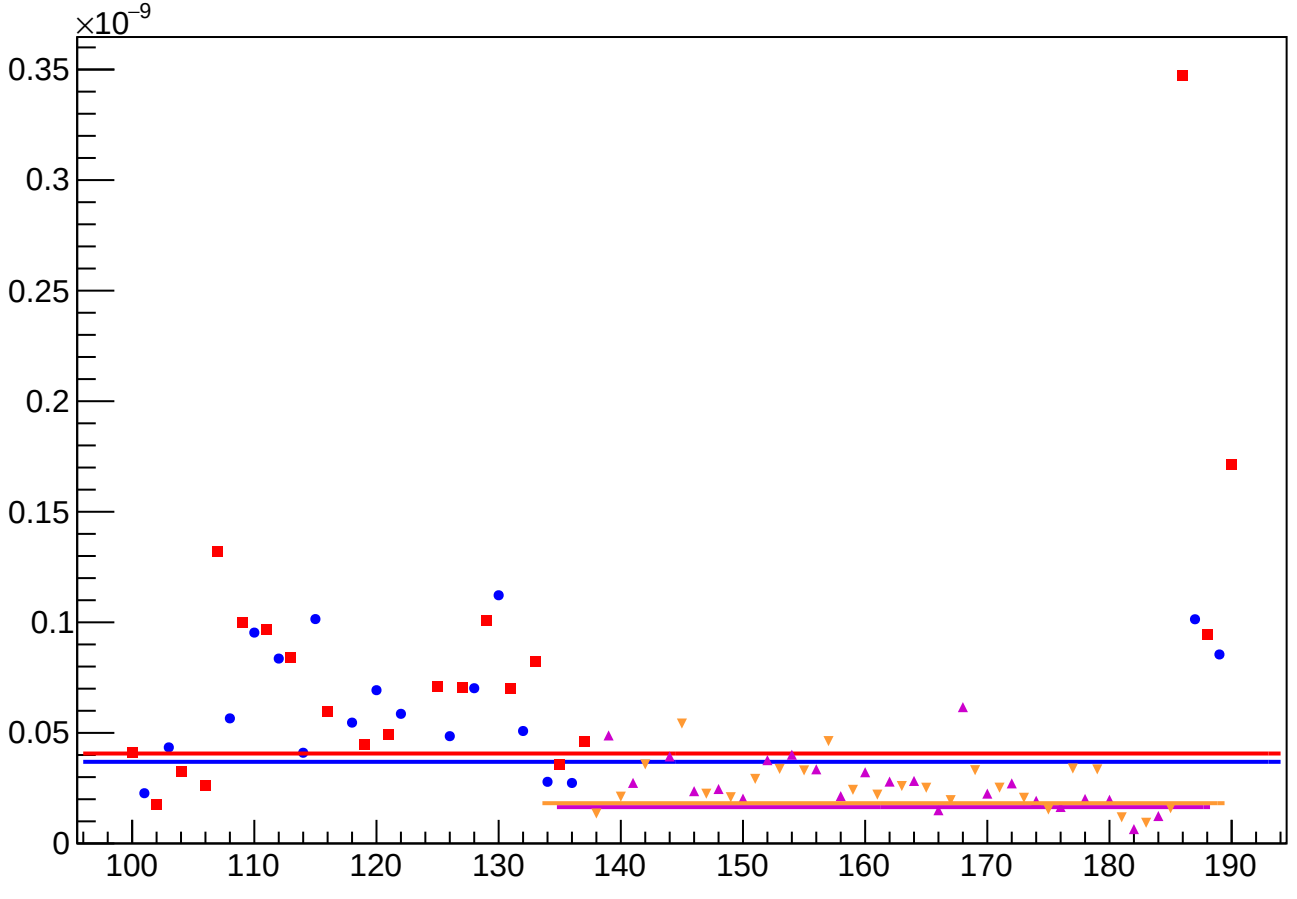
Right: 109.755+/-0.022 χ^2/NDF: 4938615.7/38

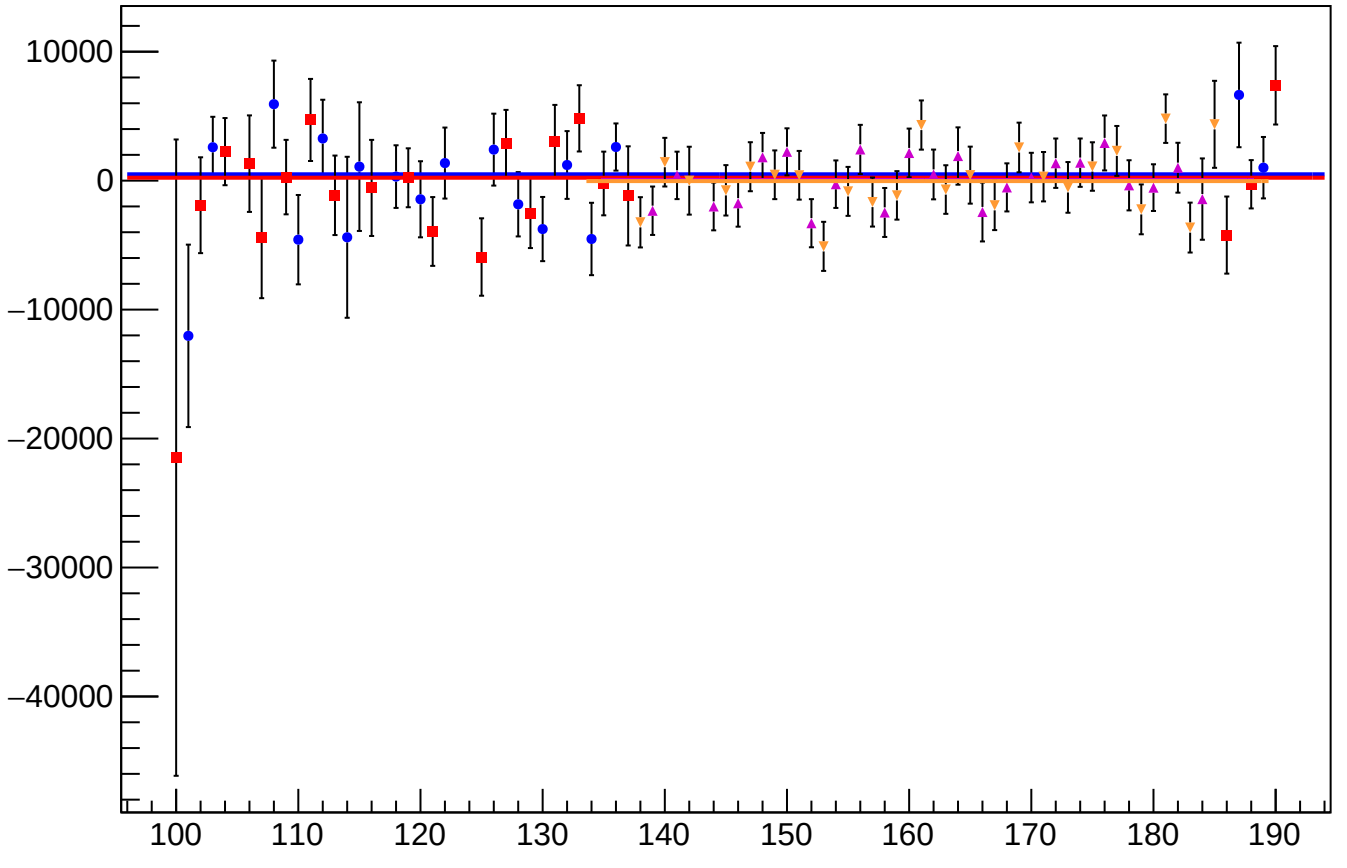
In: 101.749+/-0.016 χ^2/NDF:3984455.1/40

Out: 101.664+/-0.015 χ^2/NDF:5202742.3/44

All: 101.706+/-0.011 χ^2/NDF: 9187212.6/85


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 13.6/17
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 12.4/20
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 26.1/38
In: -0.000+/-0.000 χ²/NDF:49.1/40
Out: -0.000+/-0.000 χ²/NDF:46.2/44
All: -0.000+/-0.000 χ²/NDF: 95.5/85


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2053527.2/17
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3306922.6/20
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: 5395176.7/38
In: 0.000+/-0.000 χ²/NDF:11210409.4/40
Out: 0.000+/-0.000 χ²/NDF:9691232.4/44
All: 0.000+/-0.000 χ²/NDF: 21011322.7/85



Right In: 493.558+/-670.766 χ^2/NDF: 21.9/17

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 226.699+/-635.530 χ^2/NDF: 25.9/20

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

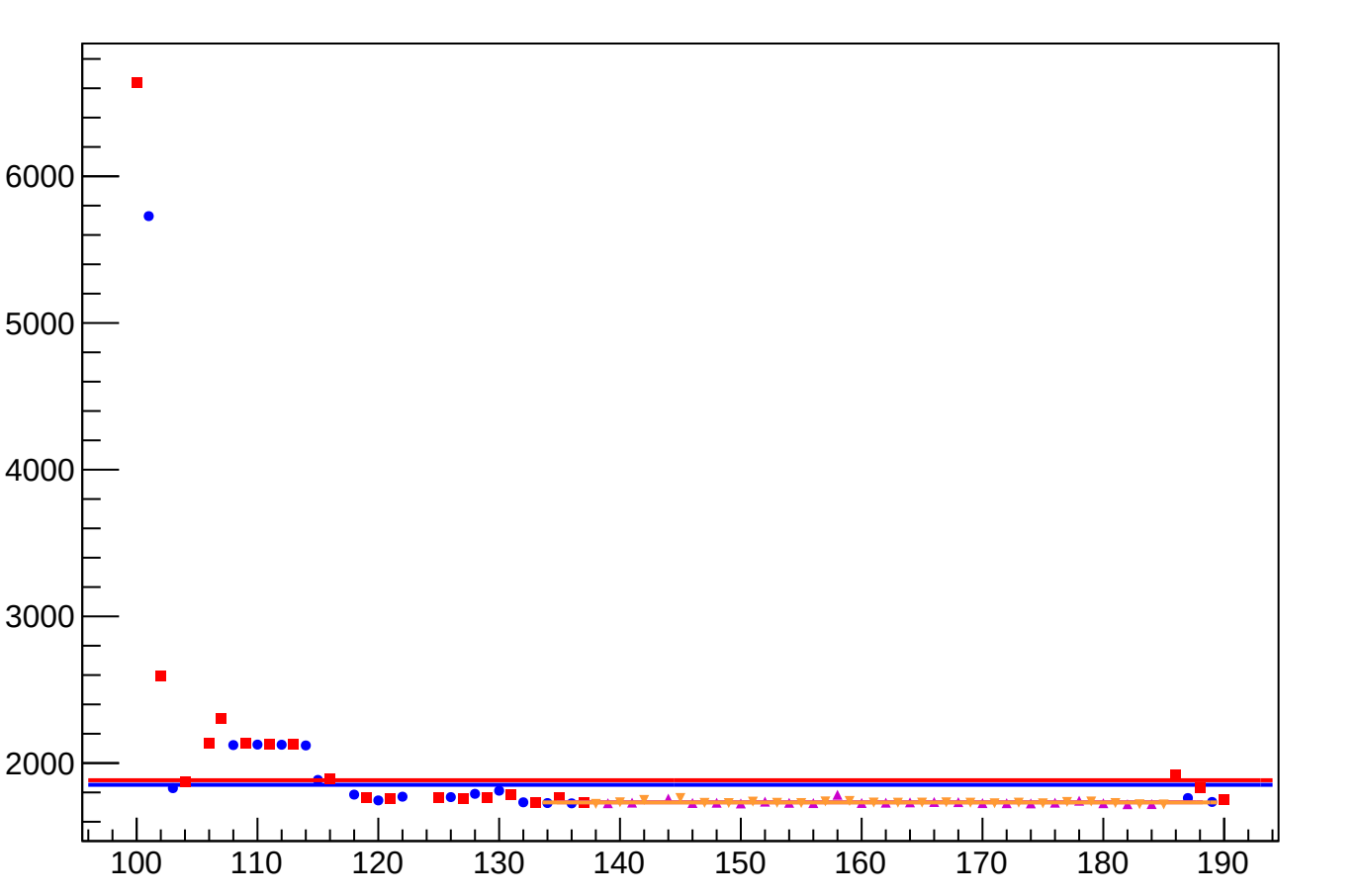
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 352.936+/-461.342 χ^2/NDF: 47.9/38

In: 170.425+/-346.517 χ^2/NDF:41.6/40

Out: 39.922+/-339.721 χ^2/NDF:61.4/44

All: 103.881+/-242.586 χ^2/NDF: 103.1/85



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1883.223+/-0.449 χ^2/NDF: 256880.1/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

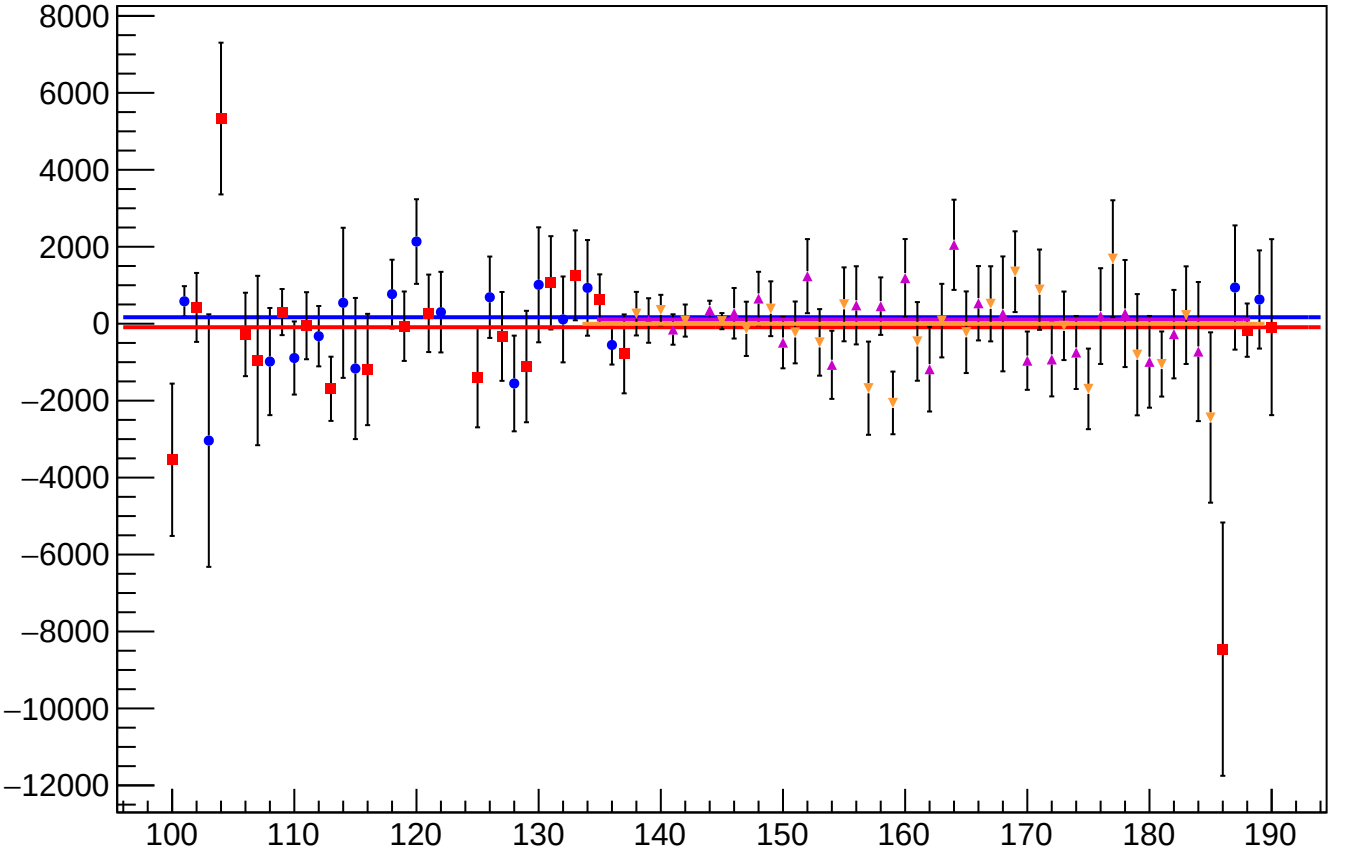
Right: 1868.462+/-0.326 χ^2/NDF: 938385.7/38

In: 1764.994+/-0.245 χ^2/NDF:727374.5/40

Out: 1775.200+/-0.240 χ^2/NDF:338714.6/44

All: 1770.198+/-0.172 χ^2/NDF: 1066973.7/85

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 167.890+/-214.967 χ^2/NDF: 13.8/17

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -91.439+/-223.698 χ^2/NDF: 27.9/20

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

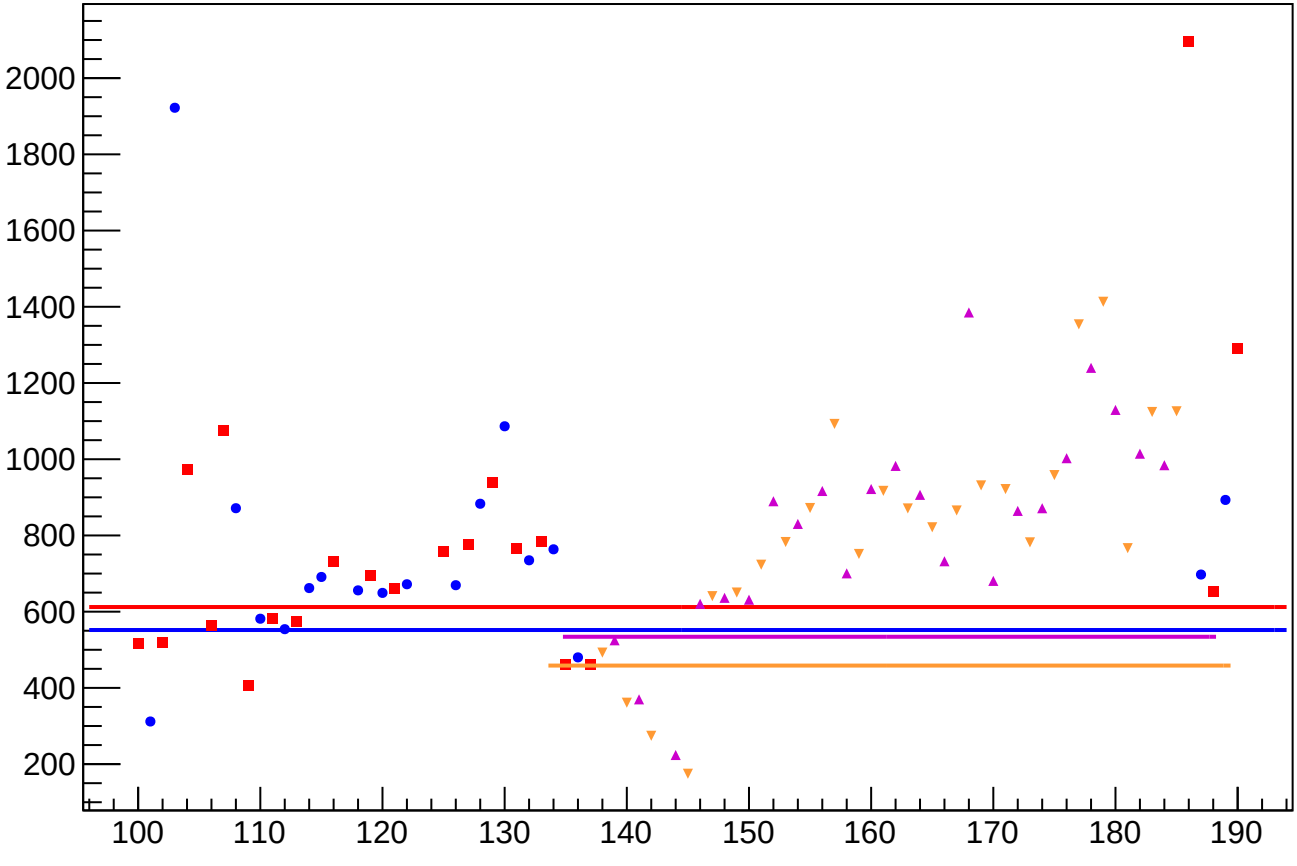
Right: 43.385+/-154.999 χ^2/NDF: 42.5/38

In: 126.696+/-119.244 χ^2/NDF:30.9/40

Out: -24.897+/-112.432 χ^2/NDF:48.3/44

All: 46.446+/-81.804 χ^2/NDF: 80.1/85

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 551.874+/-0.152 χ^2/NDF: 2020735.9/17

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 612.191+/-0.158 χ^2/NDF: 1446448.8/20

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

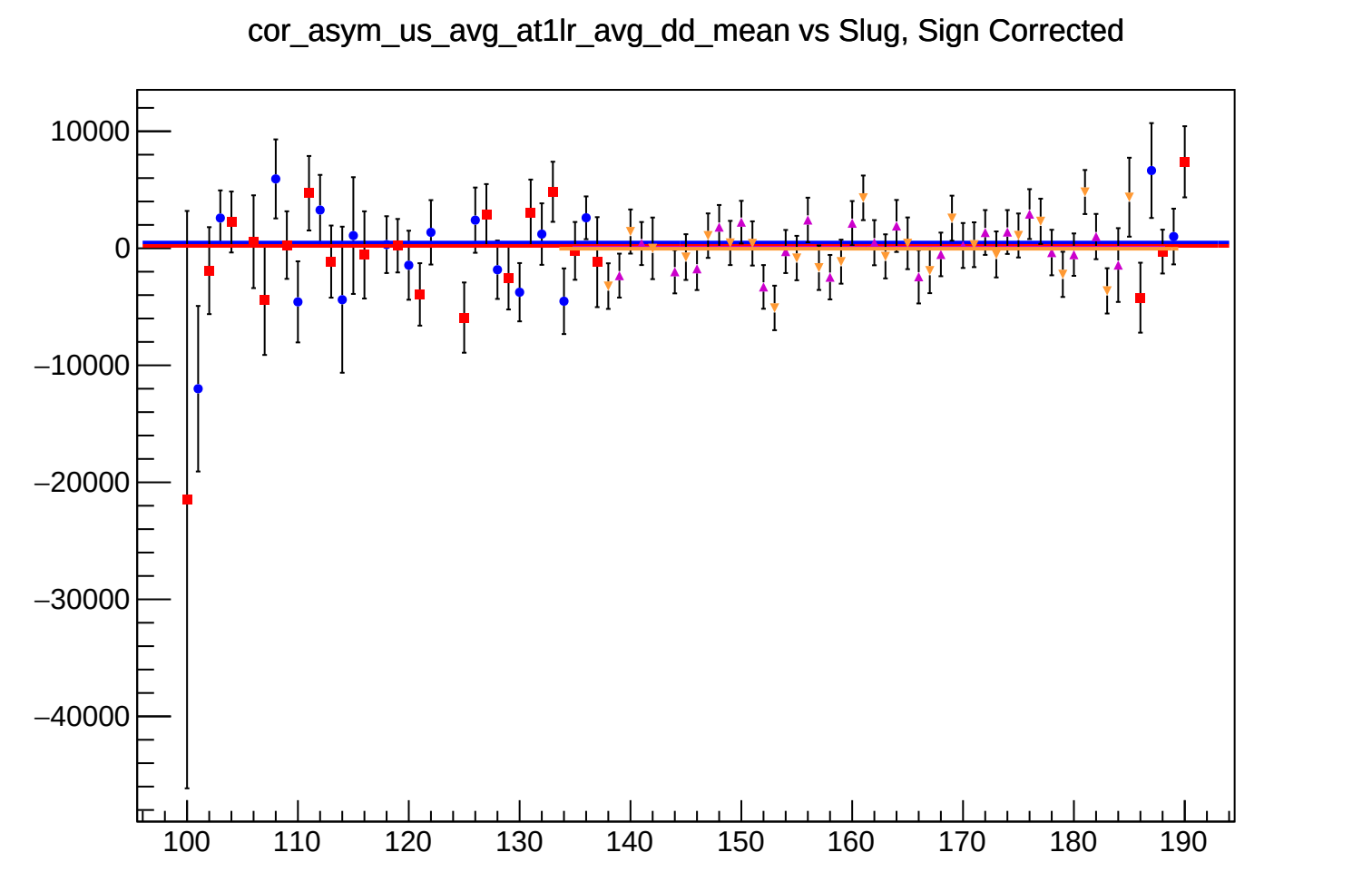
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 580.833+/-0.110 χ^2/NDF: 3542782.3/38

In: 539.611+/-0.084 χ^2/NDF:10473429.9/40

Out: 497.383+/-0.080 χ^2/NDF:13578046.5/44

All: 517.257+/-0.058 χ^2/NDF: 24184251.4/85



Right In: 493.715+/-670.766 χ^2/NDF: 21.9/17

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 203.636+/-636.531 χ^2/NDF: 25.9/20

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

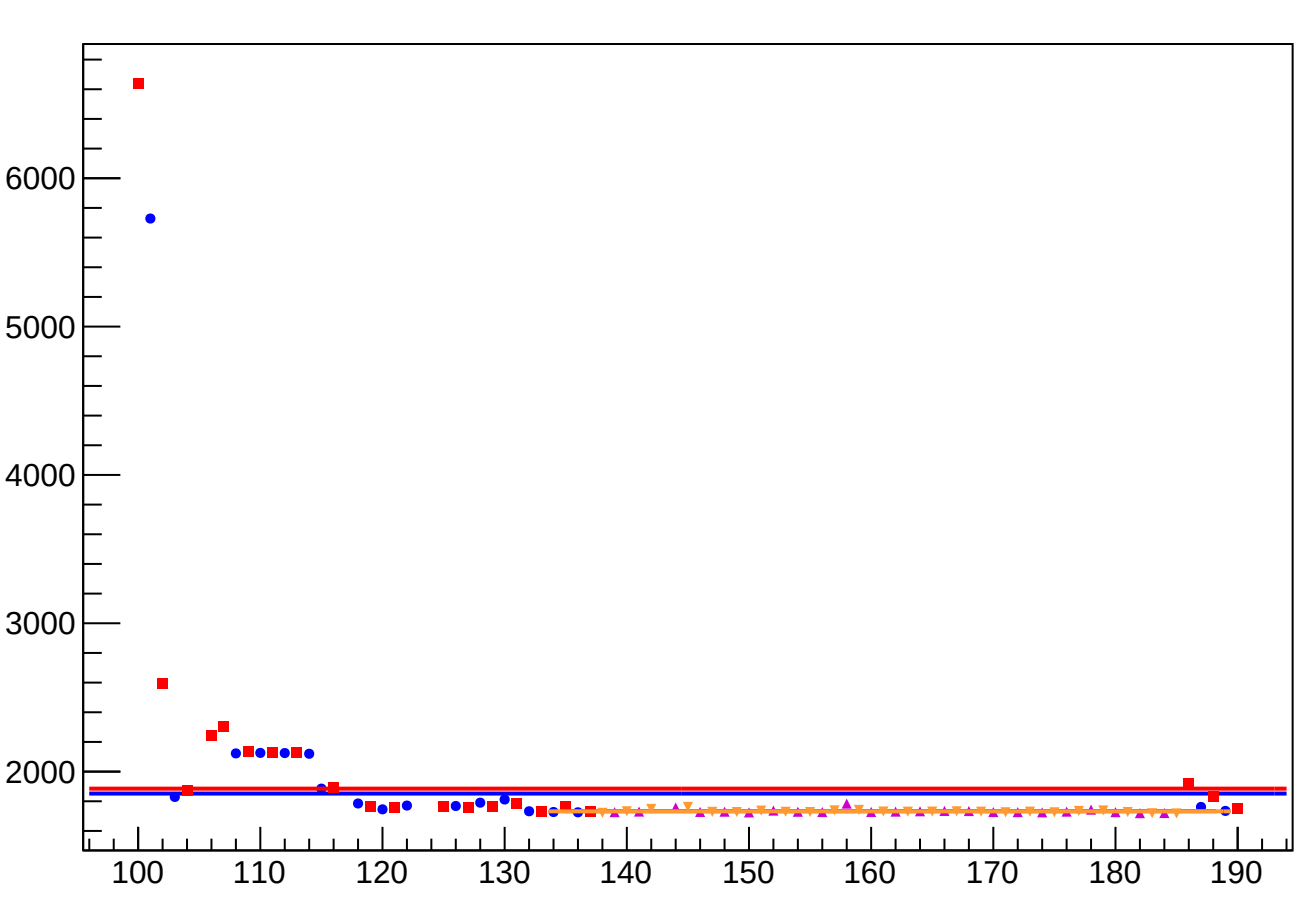
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 341.084+/-461.724 χ^2/NDF: 47.8/38

In: 170.406+/-346.518 χ^2/NDF:41.6/40

Out: 33.219+/-339.873 χ^2/NDF:61.3/44

All: 100.485+/-242.642 χ^2/NDF: 103.0/85



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

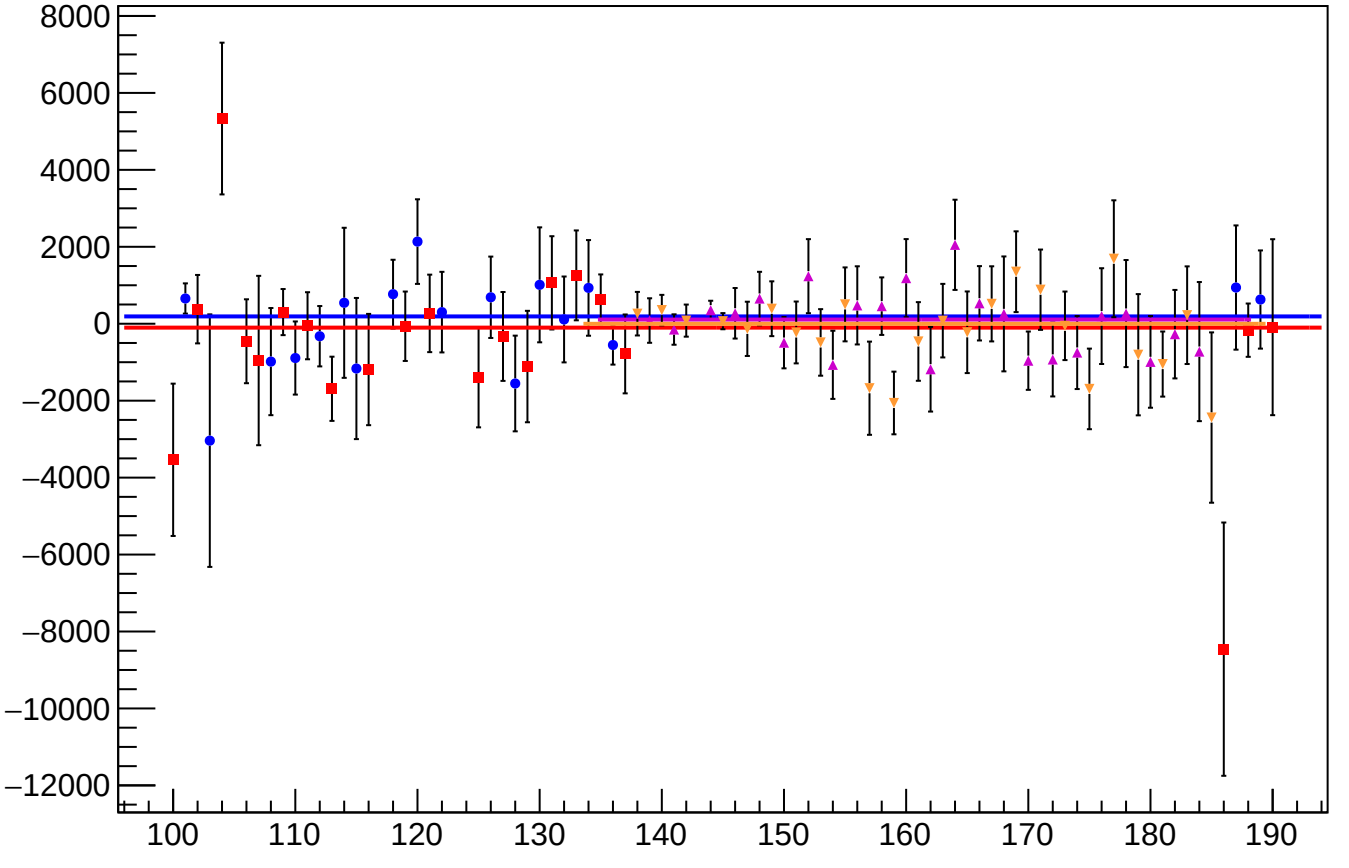
Right: 1869.443+/-0.326 χ^2/NDF: 945833.0/38

In: 1764.994+/-0.245 χ^2/NDF:727374.3/40

Out: 1775.648+/-0.240 χ^2/NDF:347749.0/44

All: 1770.424+/-0.172 χ^2/NDF: 1076086.9/85

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

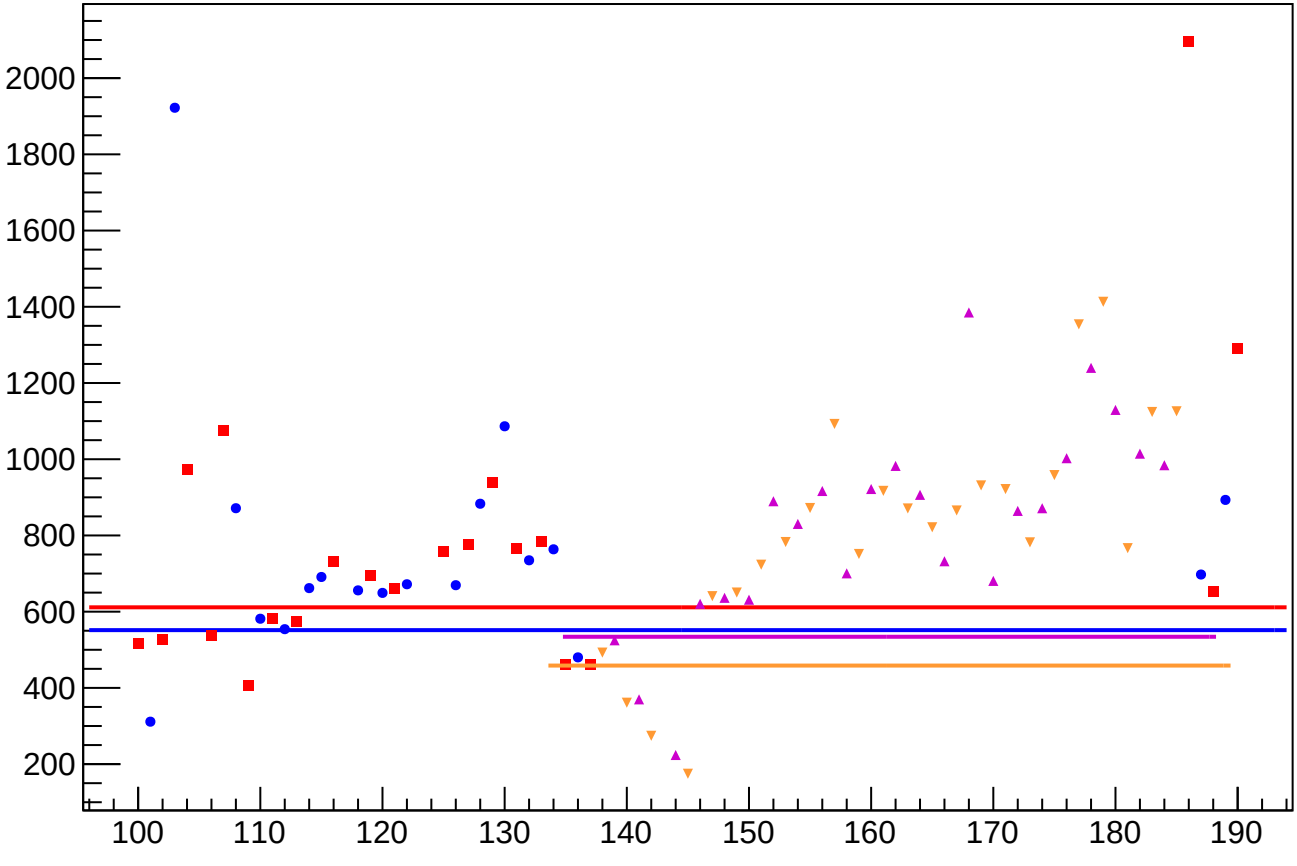
Right: 50.334+/-154.958 χ^2/NDF: 43.1/38

In: 133.534+/-119.232 χ^2/NDF:31.4/40

Out: -27.436+/-112.427 χ^2/NDF:48.4/44

All: 48.324+/-81.798 χ^2/NDF: 80.7/85

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.568+/-0.152 χ^2/NDF: 2025427.2/17

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 611.424+/-0.158 χ^2/NDF: 1449136.3/20

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

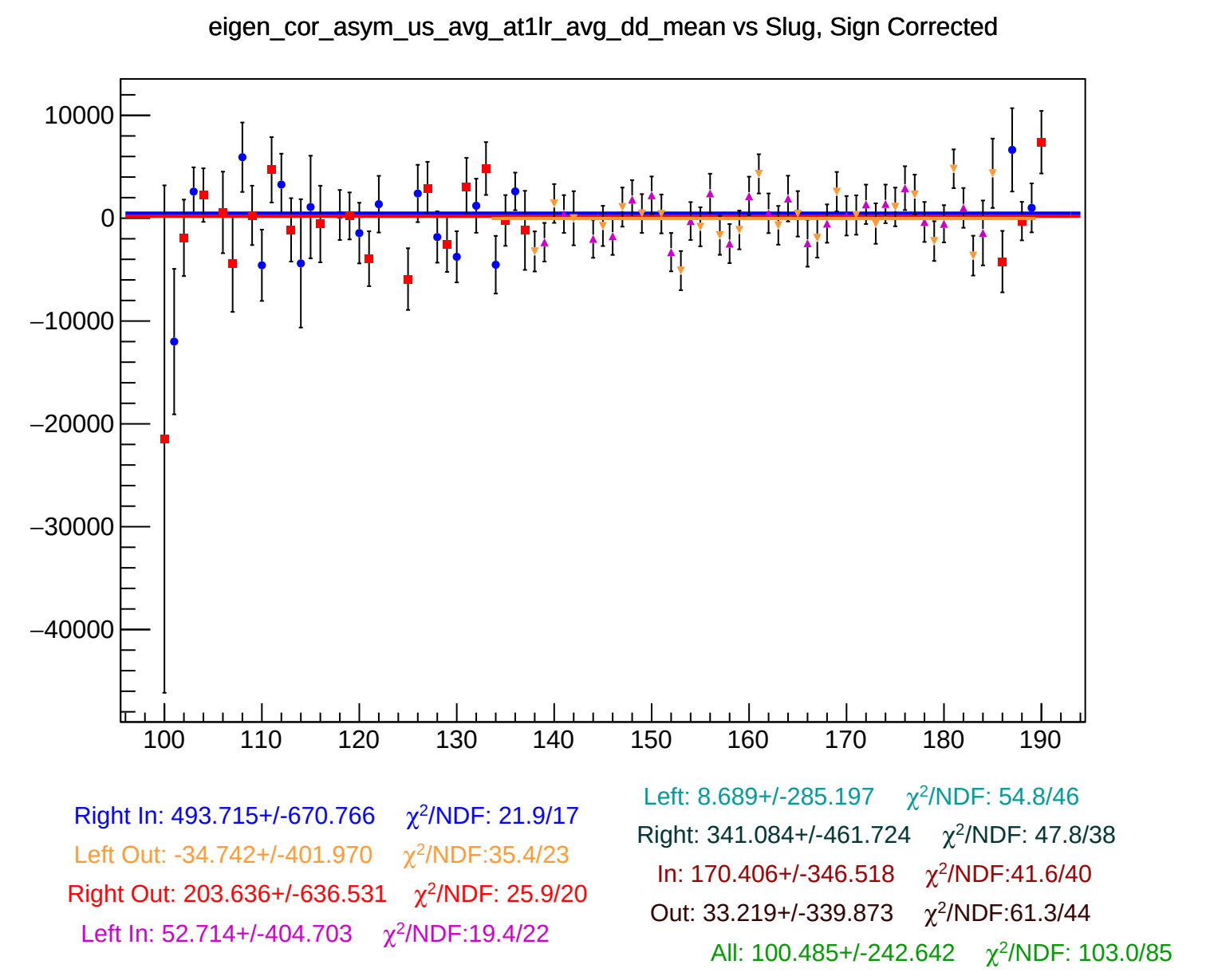
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 580.302+/-0.110 χ^2/NDF: 3549048.4/38

In: 539.525+/-0.084 χ^2/NDF:10477314.8/40

Out: 497.210+/-0.079 χ^2/NDF:13573412.0/44

All: 517.125+/-0.058 χ^2/NDF: 24184068.8/85


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
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−30000
−40000
100
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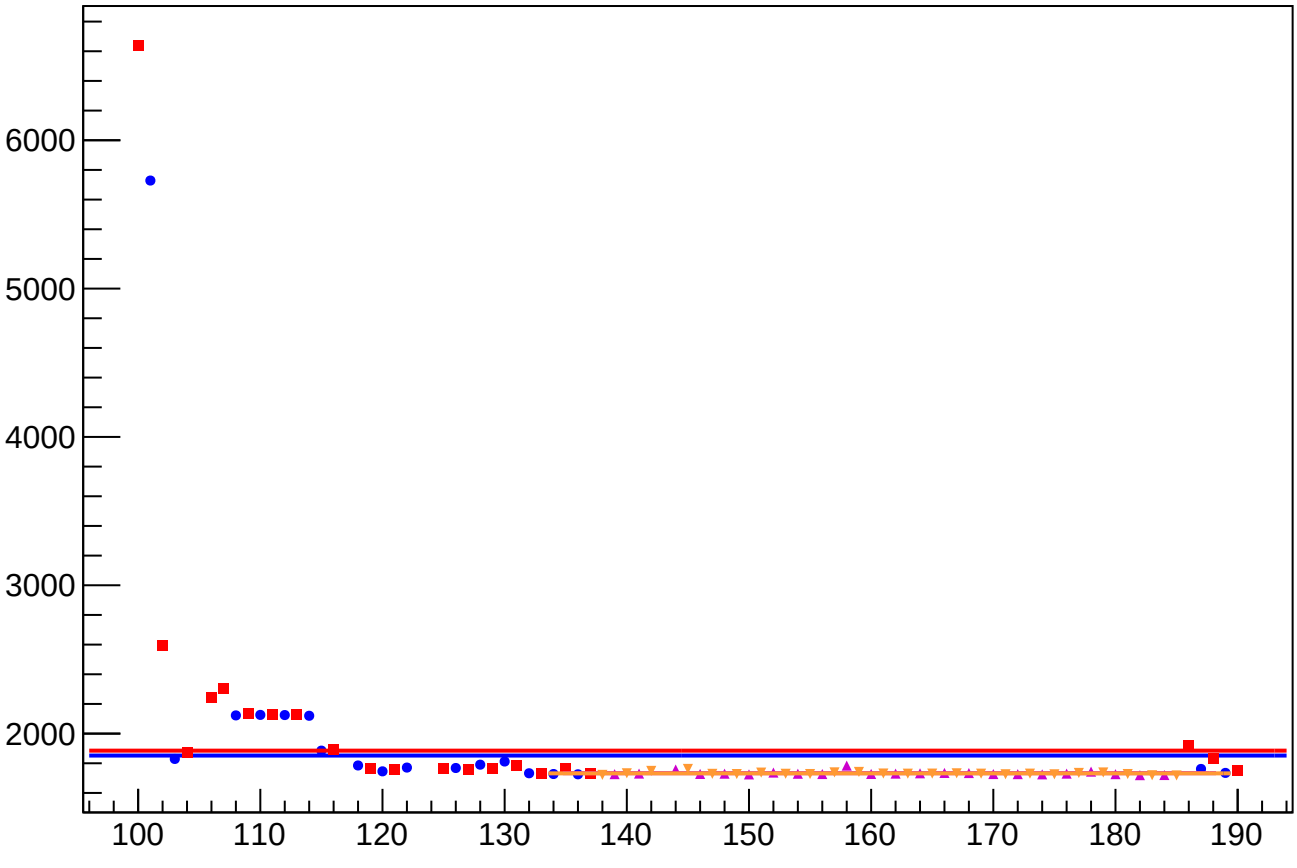
120
130
140
150
160
170
180
190
Right In: 493.715+/-670.766 χ²/NDF: 21.9/17
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 203.636+/-636.531 χ²/NDF: 25.9/20
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 341.084+/-461.724 χ²/NDF: 47.8/38
In: 170.406+/-346.518 χ²/NDF:41.6/40
Out: 33.219+/-339.873 χ²/NDF:61.3/44
All: 100.485+/-242.642 χ²/NDF: 103.0/85



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

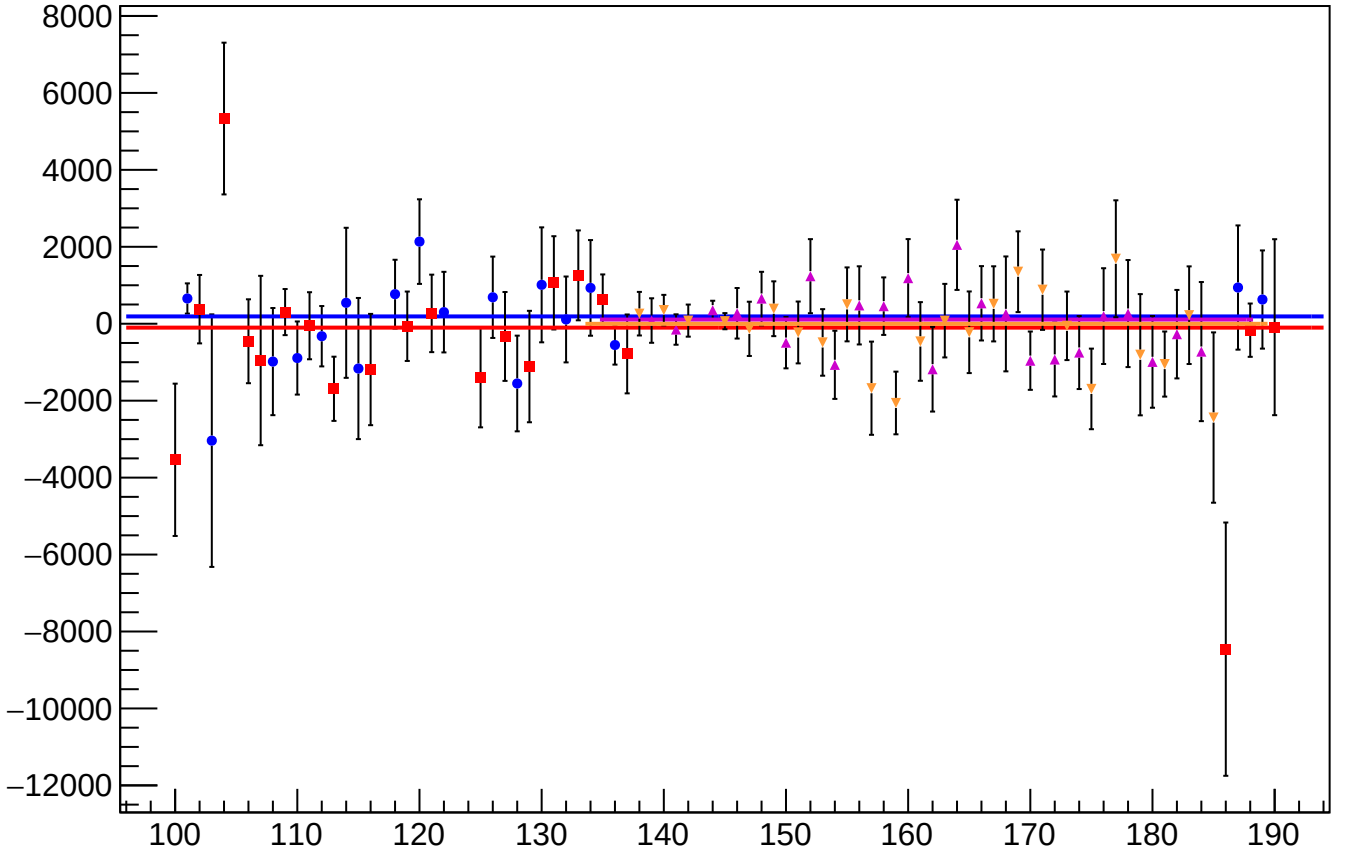
Right: 1869.443+/-0.326 χ^2/NDF: 945833.0/38

In: 1764.994+/-0.245 χ^2/NDF:727374.3/40

Out: 1775.648+/-0.240 χ^2/NDF:347749.0/44

All: 1770.424+/-0.172 χ^2/NDF: 1076086.9/85

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

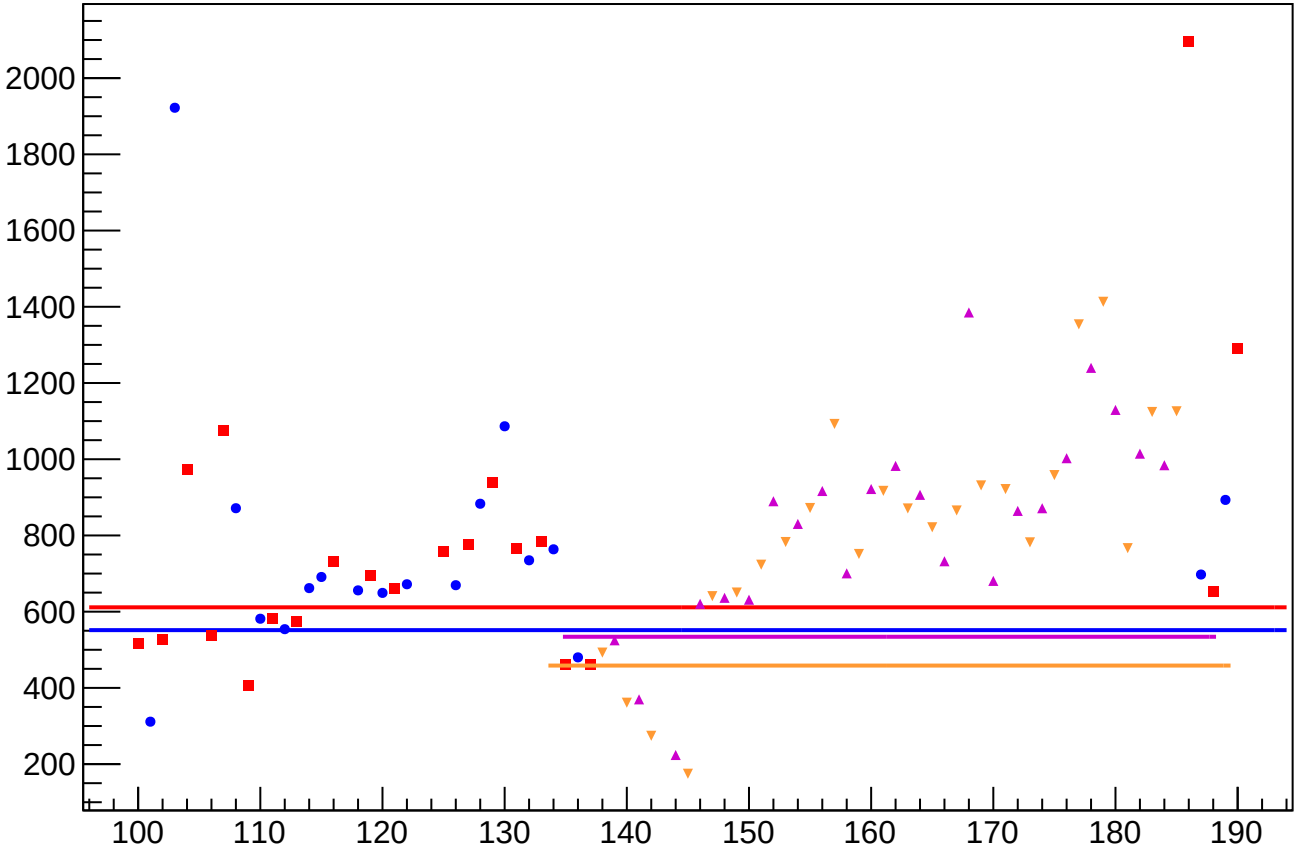
Right: 50.334+/-154.958 χ^2/NDF: 43.1/38

In: 133.534+/-119.232 χ^2/NDF:31.4/40

Out: -27.436+/-112.427 χ^2/NDF:48.4/44

All: 48.324+/-81.798 χ^2/NDF: 80.7/85

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.568+/-0.152 χ^2/NDF: 2025427.2/17

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 611.424+/-0.158 χ^2/NDF: 1449136.3/20

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

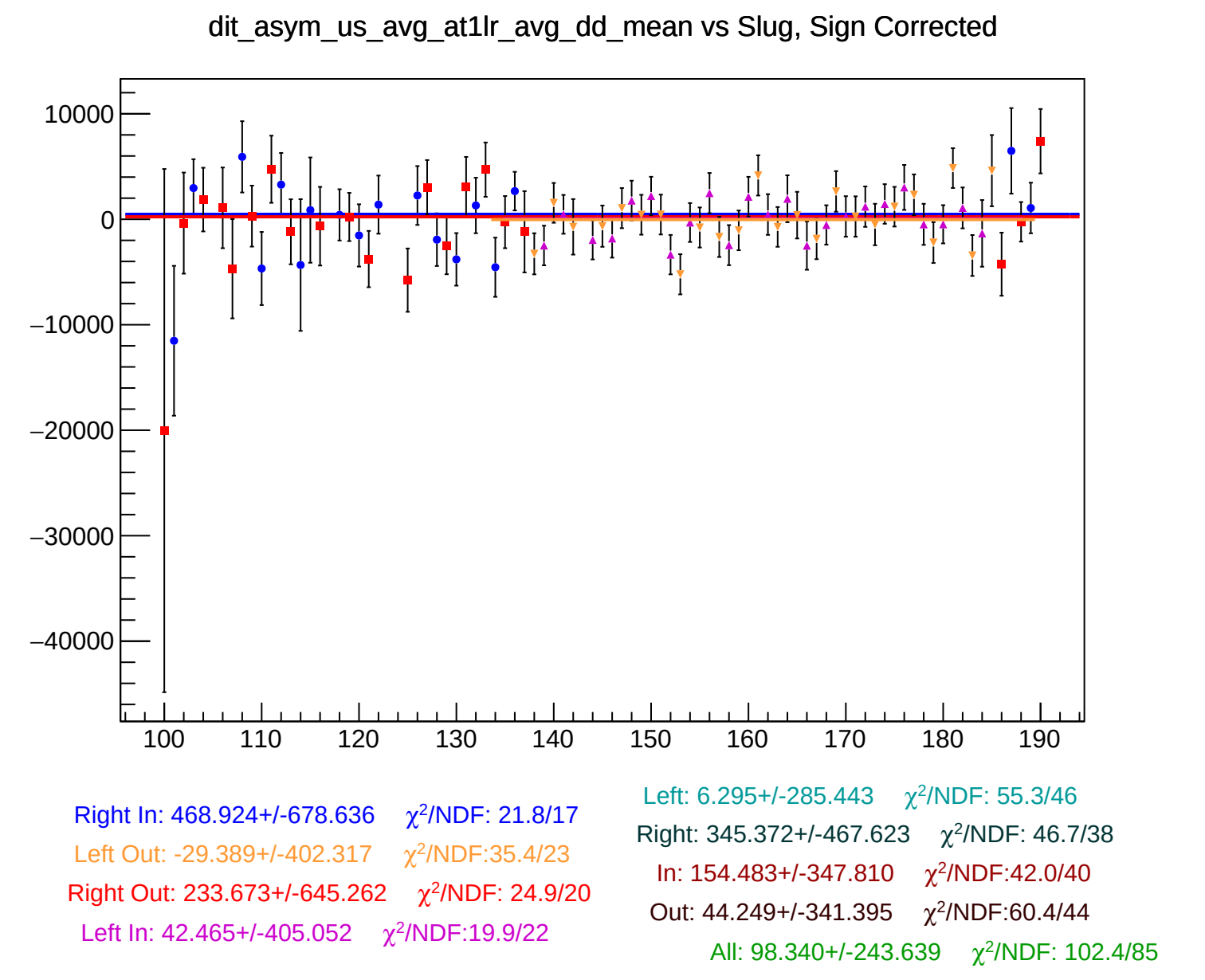
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 580.302+/-0.110 χ^2/NDF: 3549048.4/38

In: 539.525+/-0.084 χ^2/NDF:10477314.8/40

Out: 497.210+/-0.079 χ^2/NDF:13573412.0/44

All: 517.125+/-0.058 χ^2/NDF: 24184068.8/85


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
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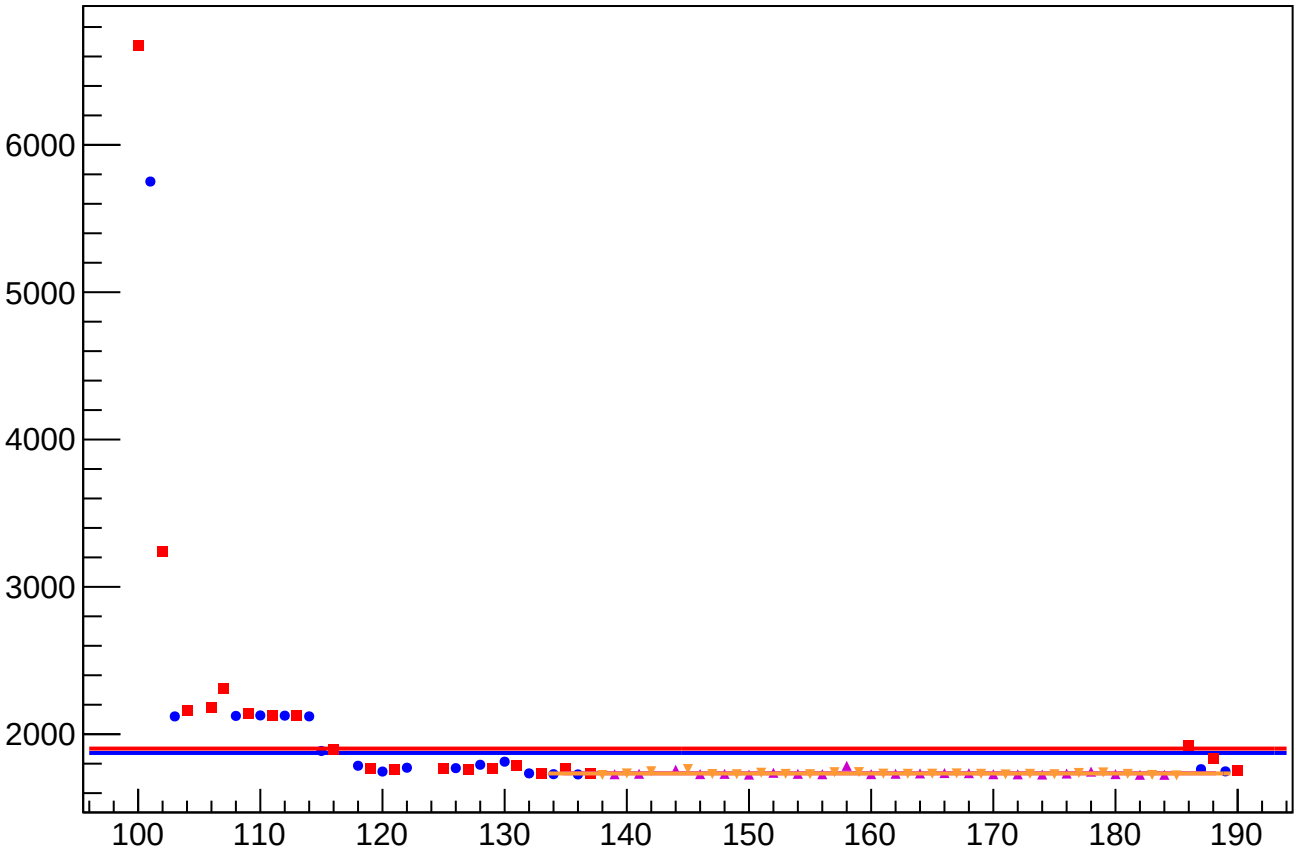
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 468.924+/-678.636 χ²/NDF: 21.8/17
Left Out: -29.389+/-402.317 χ²/NDF:35.4/23
Right Out: 233.673+/-645.262 χ²/NDF: 24.9/20
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.295+/-285.443 χ²/NDF: 55.3/46
Right: 345.372+/-467.623 χ²/NDF: 46.7/38
In: 154.483+/-347.810 χ²/NDF:42.0/40
Out: 44.249+/-341.395 χ²/NDF:60.4/44
All: 98.340+/-243.639 χ²/NDF: 102.4/85



Right In: 1872.646+/-0.480 χ^2/NDF: 697173.2/17

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1902.402+/-0.456 χ^2/NDF: 360744.8/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

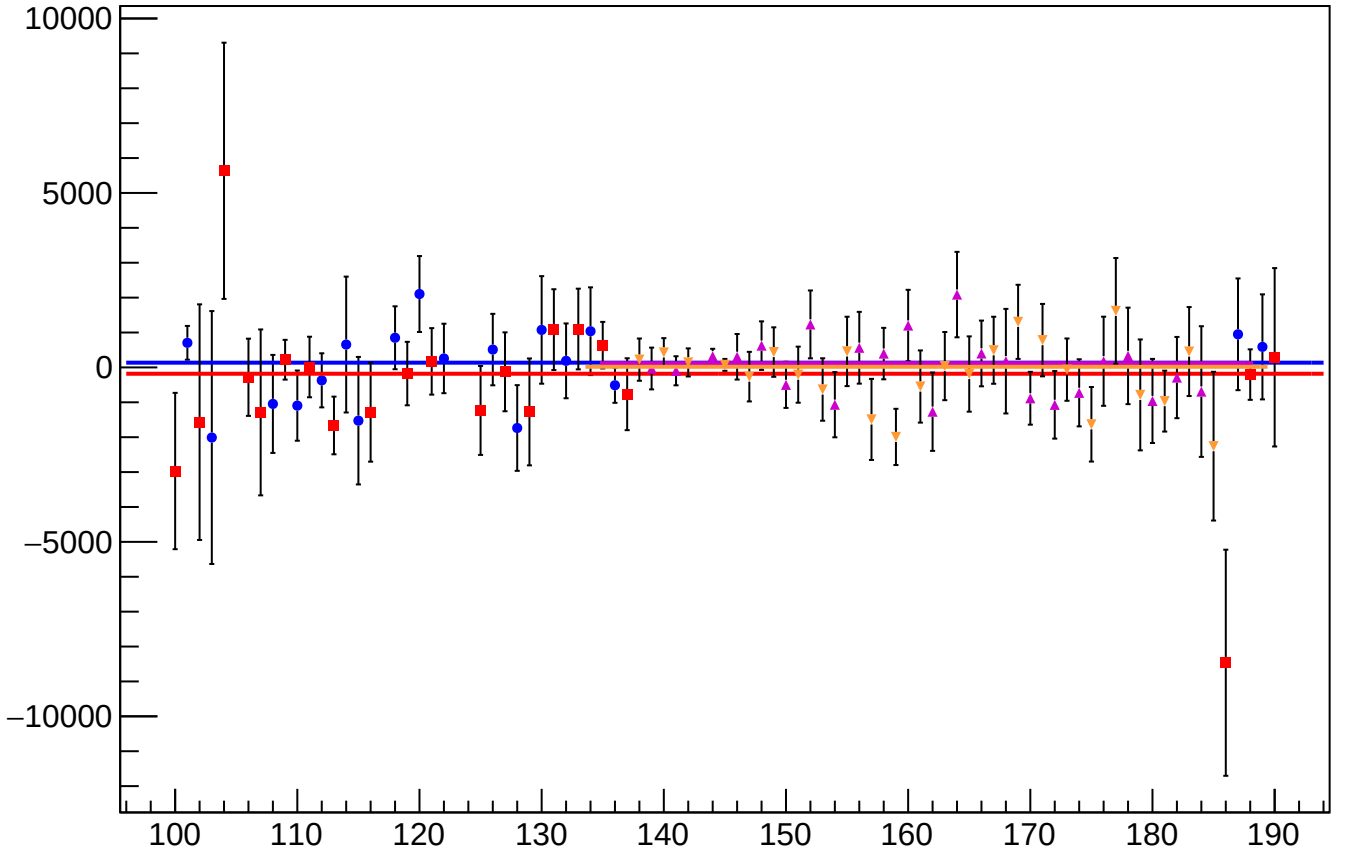
Right: 1888.274+/-0.331 χ^2/NDF: 1059937.4/38

In: 1771.015+/-0.246 χ^2/NDF:760183.0/40

Out: 1780.765+/-0.241 χ^2/NDF:460346.3/44

All: 1775.981+/-0.172 χ^2/NDF: 1221329.7/85

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 135.884+/-226.706 χ^2/NDF: 14.5/17

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -181.537+/-231.299 χ^2/NDF: 21.0/20

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

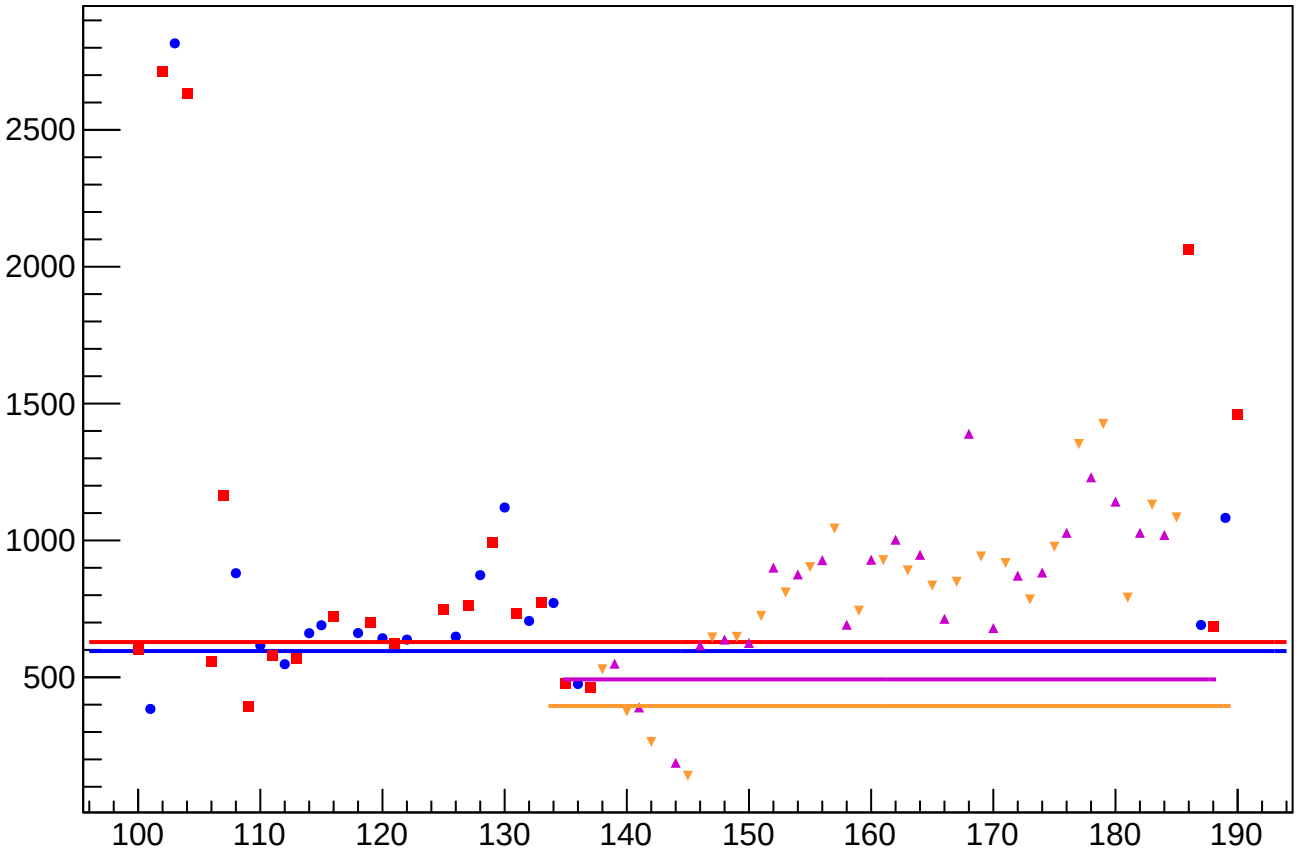
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -19.644+/-161.905 χ^2/NDF: 36.4/38

In: 125.504+/-117.347 χ^2/NDF:31.0/40

Out: -23.926+/-106.051 χ^2/NDF:41.0/44

All: 43.252+/-78.681 χ^2/NDF: 72.9/85



Right In: 595.797+/-0.160 χ^2/NDF: 1977179.0/17

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 628.762+/-0.164 χ^2/NDF: 2830094.4/20

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

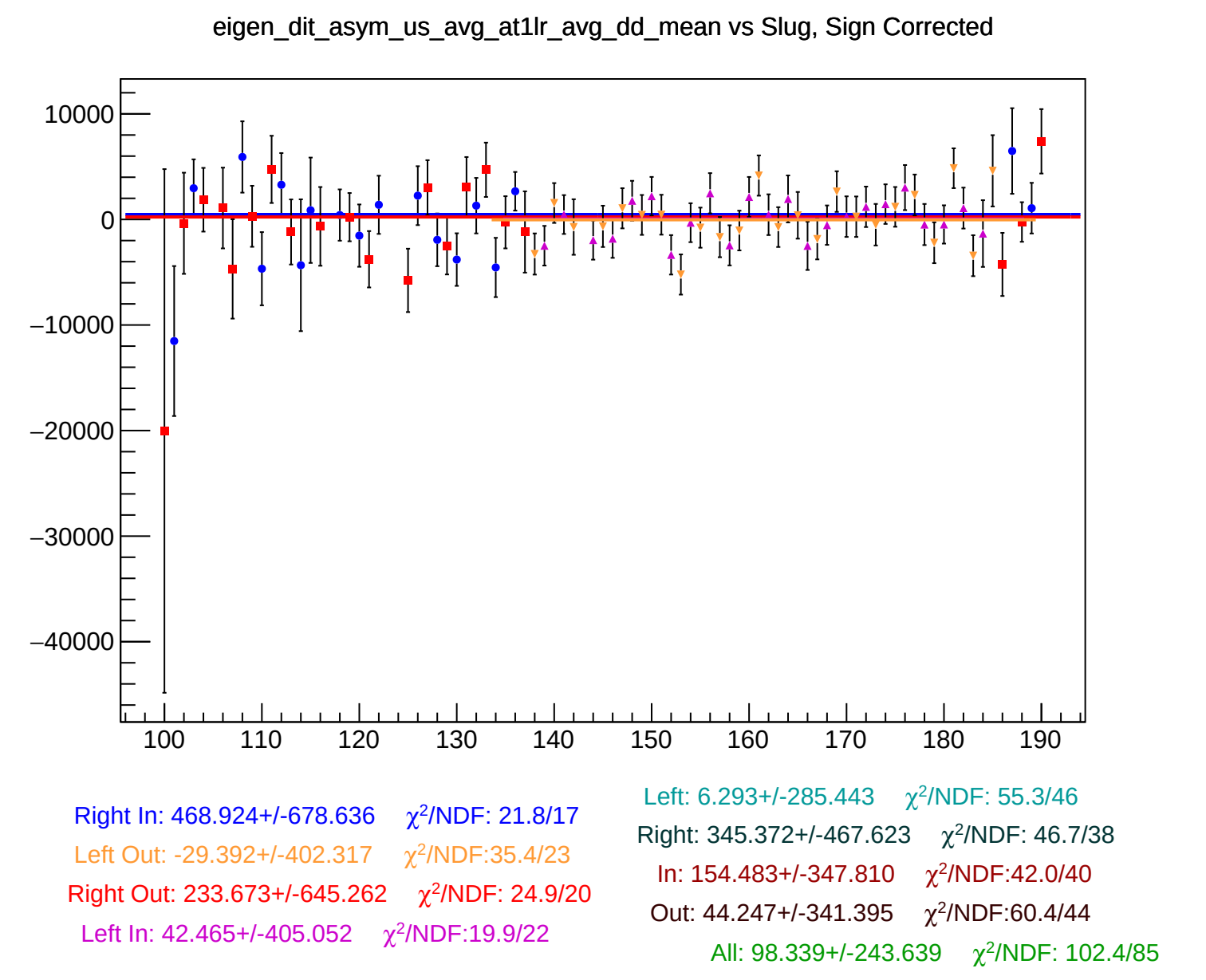
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 611.949+/-0.114 χ^2/NDF: 4827992.8/38

In: 520.025+/-0.083 χ^2/NDF:12701859.7/40

Out: 444.290+/-0.075 χ^2/NDF:18775281.6/44

All: 478.338+/-0.056 χ^2/NDF: 31935691.9/85


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
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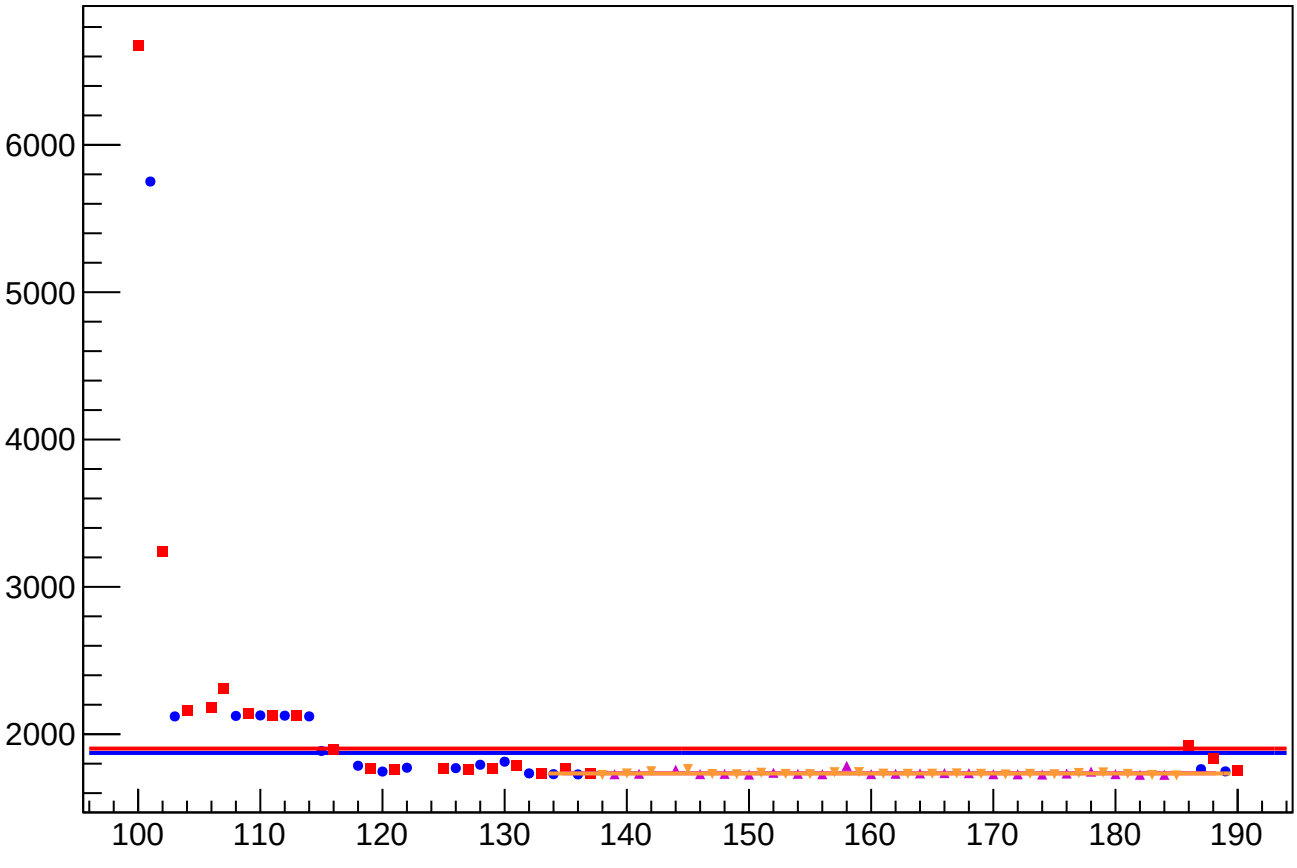
Right In: 468.924+/-678.636 χ²/NDF: 21.8/17
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 233.673+/-645.262 χ²/NDF: 24.9/20
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 345.372+/-467.623 χ²/NDF: 46.7/38
In: 154.483+/-347.810 χ²/NDF:42.0/40
Out: 44.247+/-341.395 χ²/NDF:60.4/44
All: 98.339+/-243.639 χ²/NDF: 102.4/85



Right In: 1872.646+/-0.480 χ^2/NDF: 697172.9/17

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1902.402+/-0.456 χ^2/NDF: 360744.1/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

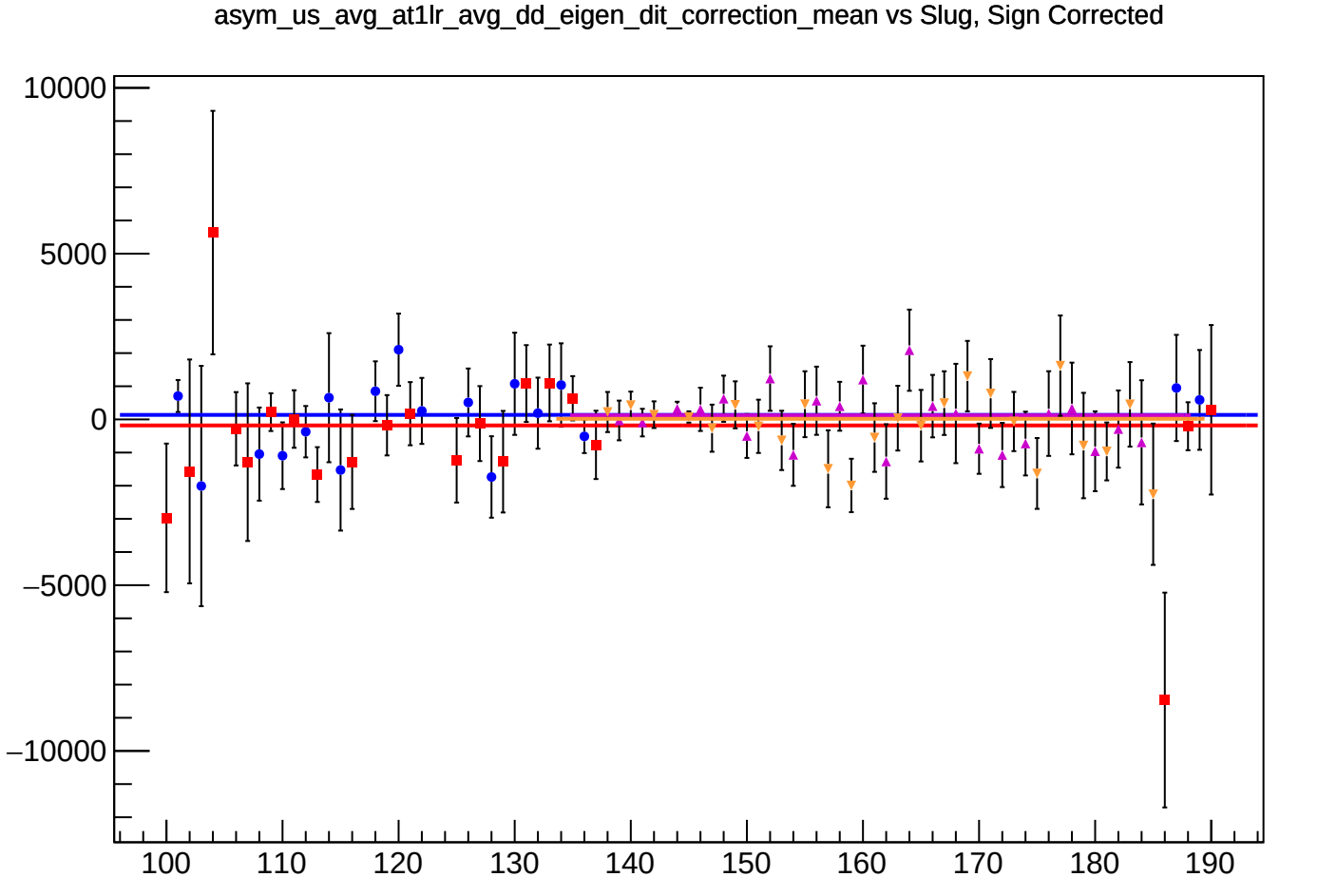
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1888.274+/-0.331 χ^2/NDF: 1059936.4/38

In: 1771.015+/-0.246 χ^2/NDF:760182.7/40

Out: 1780.765+/-0.241 χ^2/NDF:460345.4/44

All: 1775.981+/-0.172 χ^2/NDF: 1221328.4/85


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
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−10000
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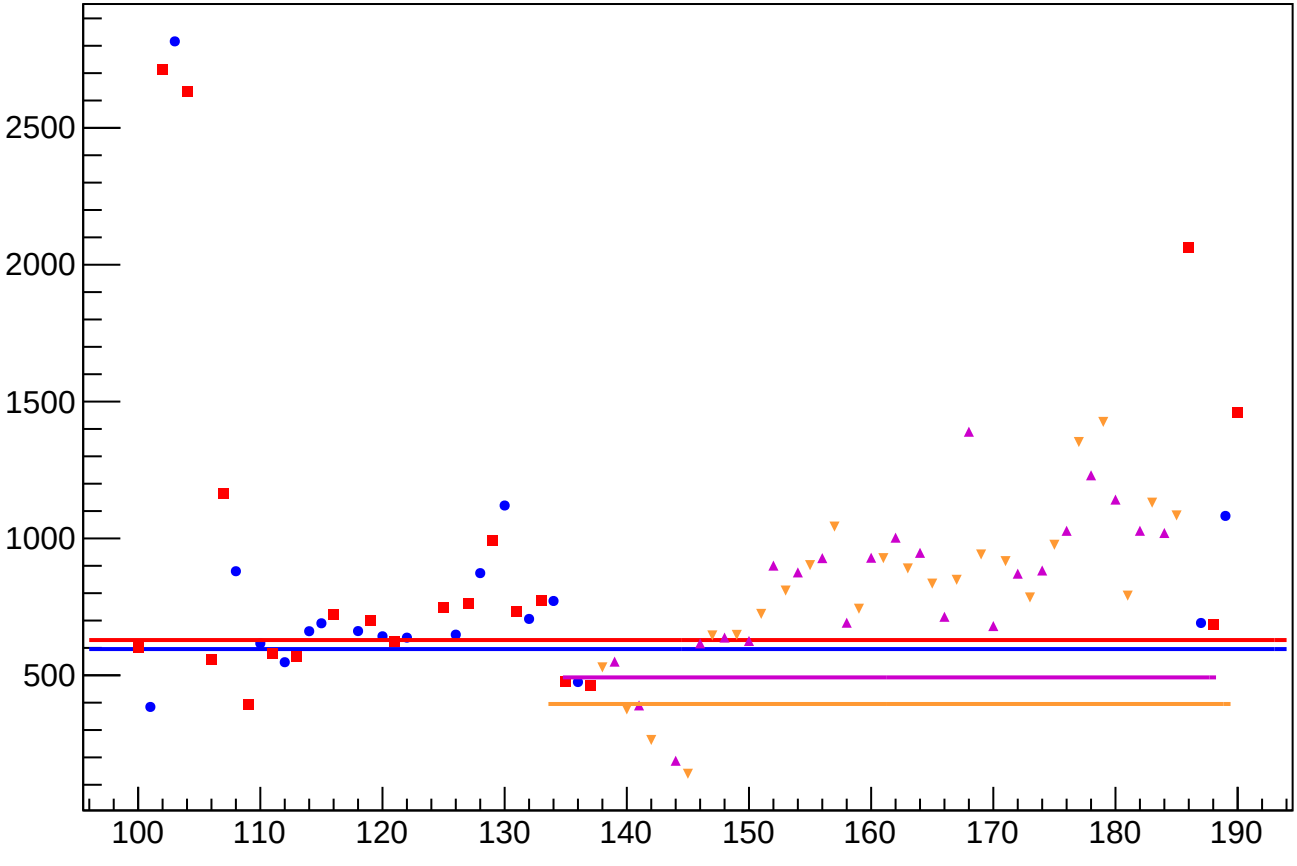
170
180
190
Right In: 135.880+/-226.705 χ²/NDF: 14.5/17
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: -181.536+/-231.298 χ²/NDF: 21.0/20
Left In: 121.706+/-137.150 χ²/NDF:16.5/22
Left: 62.698+/-90.026 χ²/NDF: 36.2/46
Right: -19.645+/-161.904 χ²/NDF: 36.4/38
In: 125.503+/-117.347 χ²/NDF:31.0/40
Out: -23.927+/-106.051 χ²/NDF:41.0/44
All: 43.251+/-78.681 χ²/NDF: 72.9/85

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 595.795+/-0.160 χ^2/NDF: 1977168.8/17

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 628.758+/-0.164 χ^2/NDF: 2830113.4/20

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

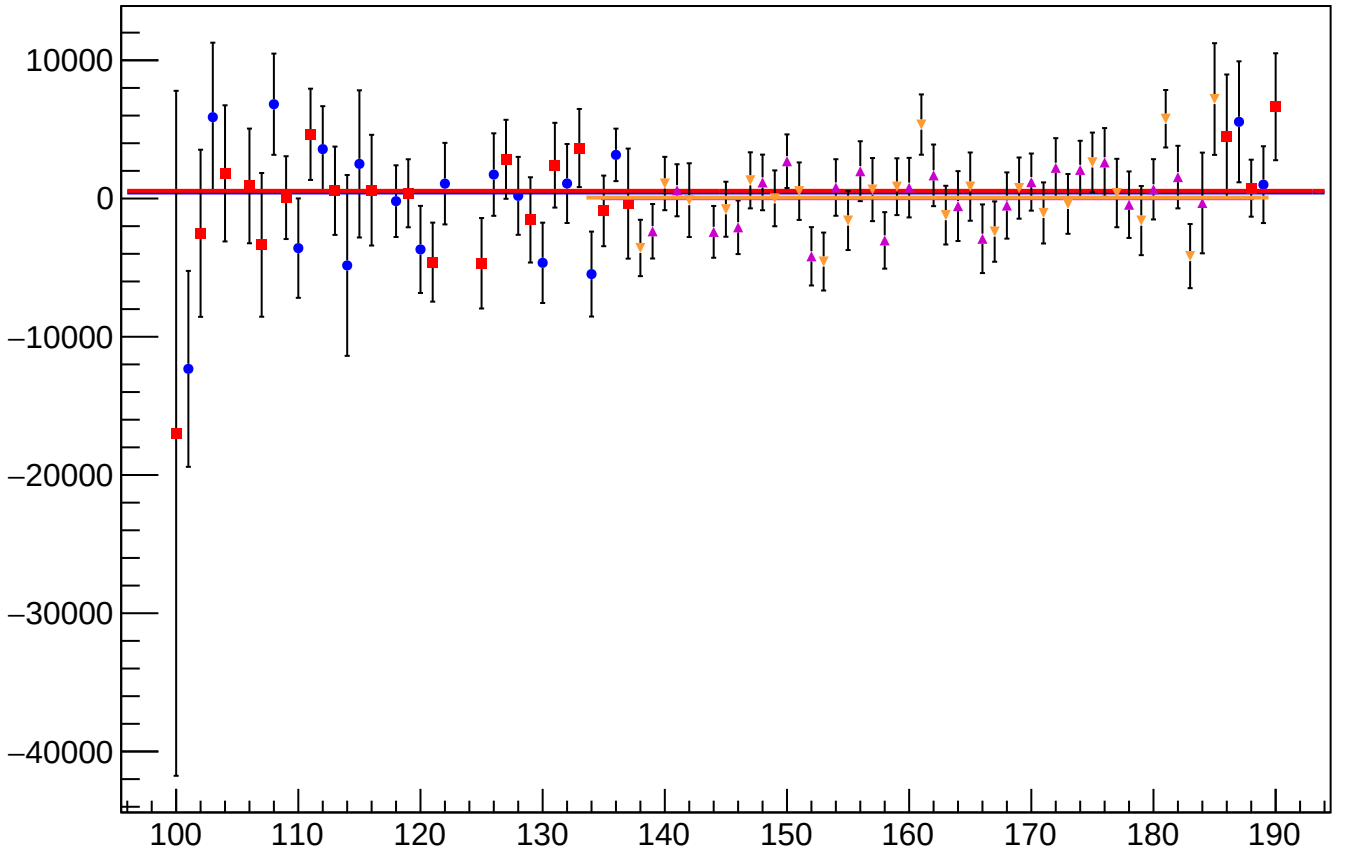
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 611.946+/-0.114 χ^2/NDF: 4827999.3/38

In: 520.026+/-0.083 χ^2/NDF:12701860.1/40

Out: 444.290+/-0.075 χ^2/NDF:18775304.7/44

All: 478.338+/-0.056 χ^2/NDF: 31935721.7/85



Right In: 437.769+/-750.086 χ^2/NDF: 22.7/17

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 555.421+/-718.476 χ^2/NDF: 15.1/20

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

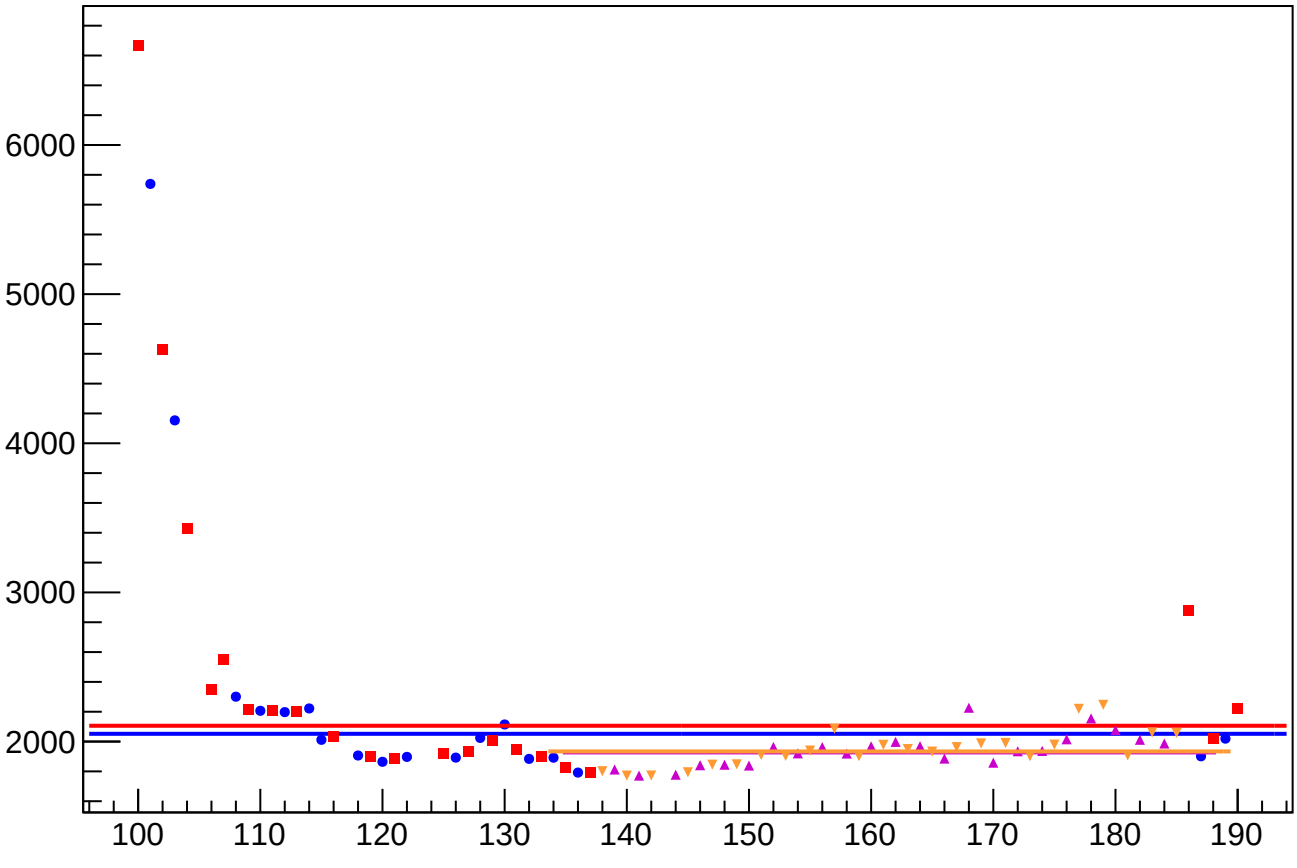
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 499.126+/-518.854 χ^2/NDF: 37.7/38

In: 134.936+/-386.359 χ^2/NDF:42.9/40

Out: 204.262+/-381.220 χ^2/NDF:49.0/44

All: 170.063+/-271.362 χ^2/NDF: 91.9/85



Right In: 2051.943+/-0.530 χ^2/NDF: 942695.9/17

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2105.930+/-0.508 χ^2/NDF: 747290.6/20

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

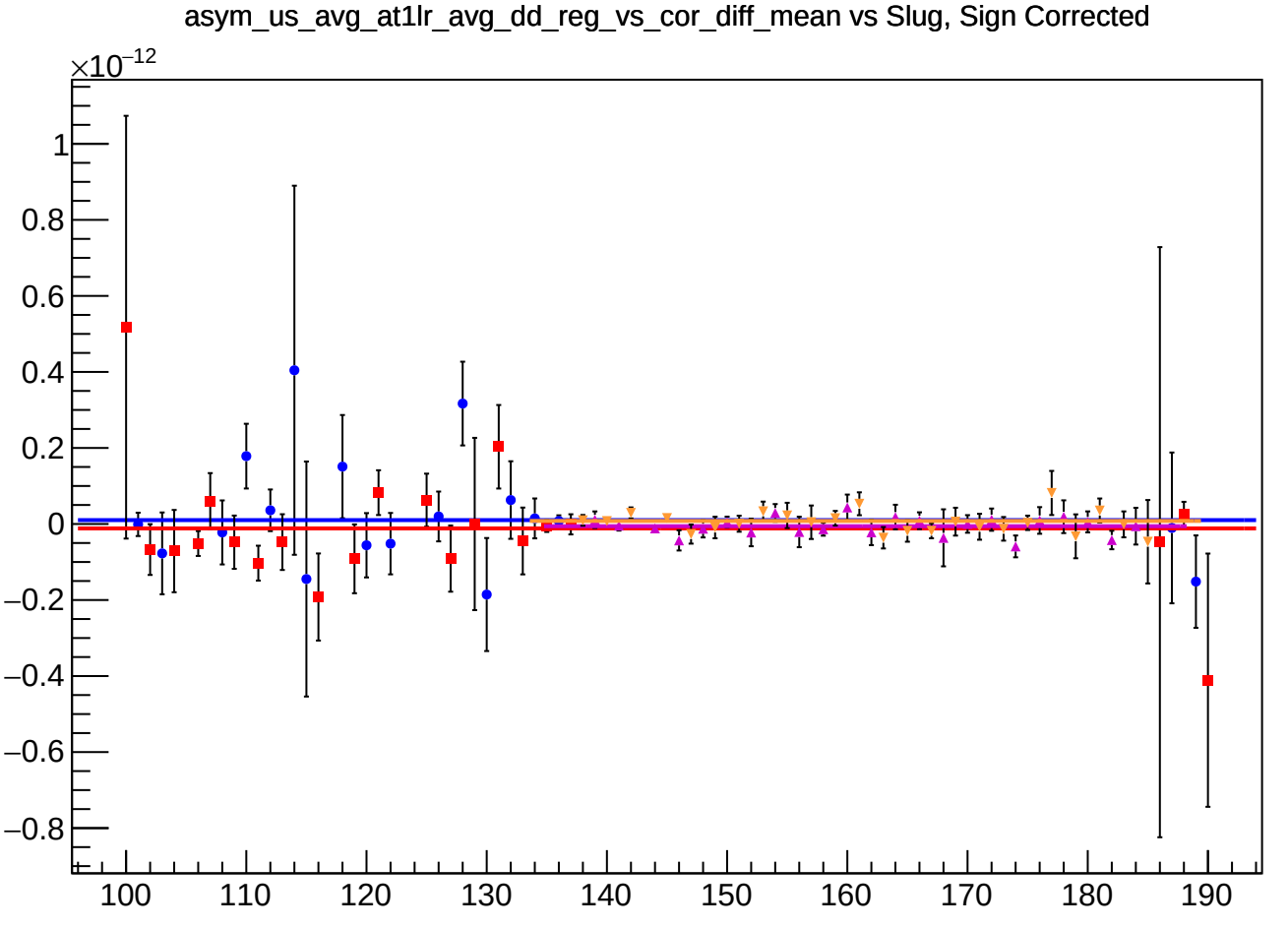
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

Right: 2080.098+/-0.367 χ^2/NDF: 1695389.5/38

In: 1960.241+/-0.273 χ^2/NDF:1099820.0/40

Out: 1982.263+/-0.270 χ^2/NDF:958293.9/44

All: 1971.400+/-0.192 χ^2/NDF: 2061406.3/85


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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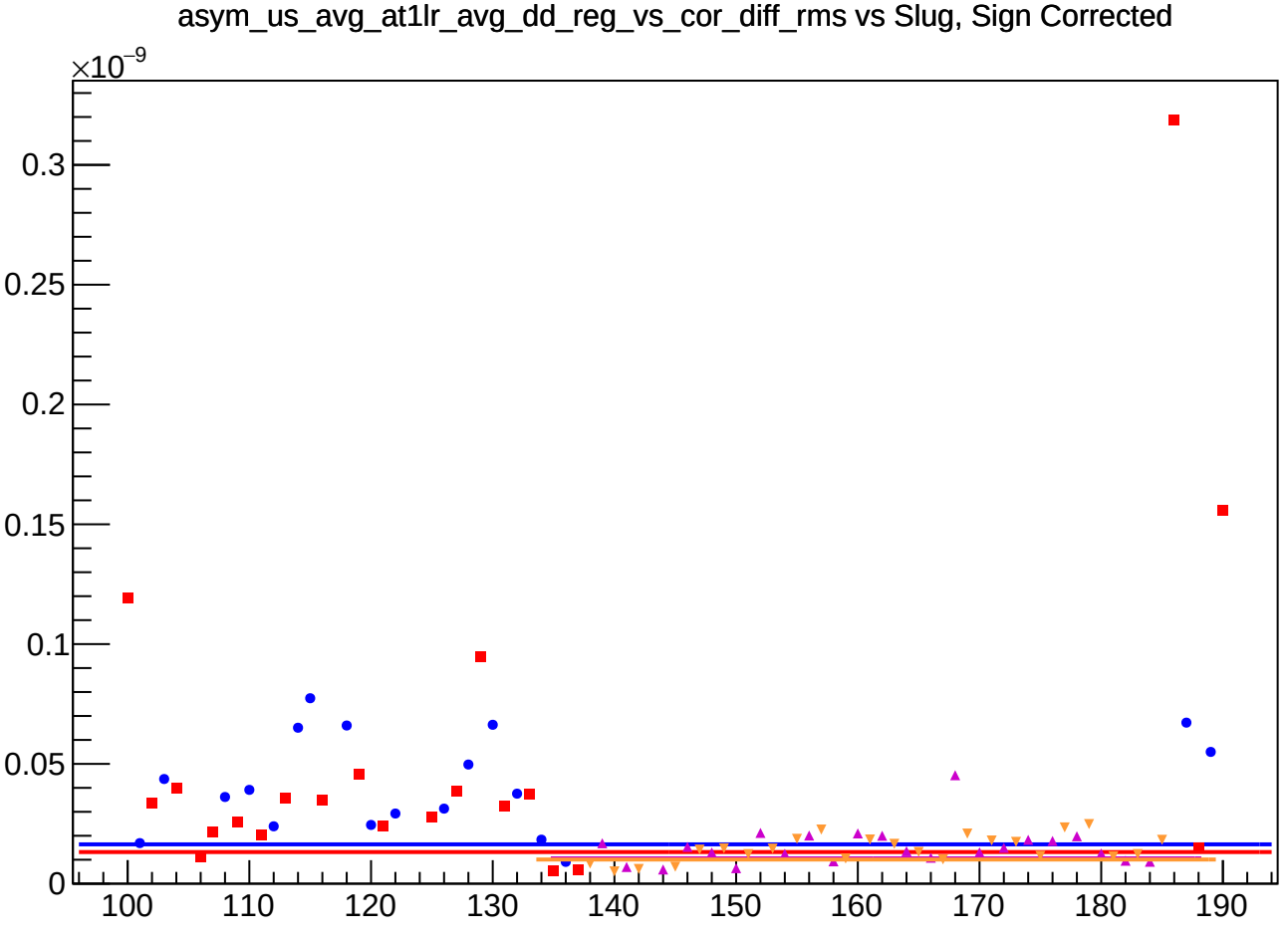
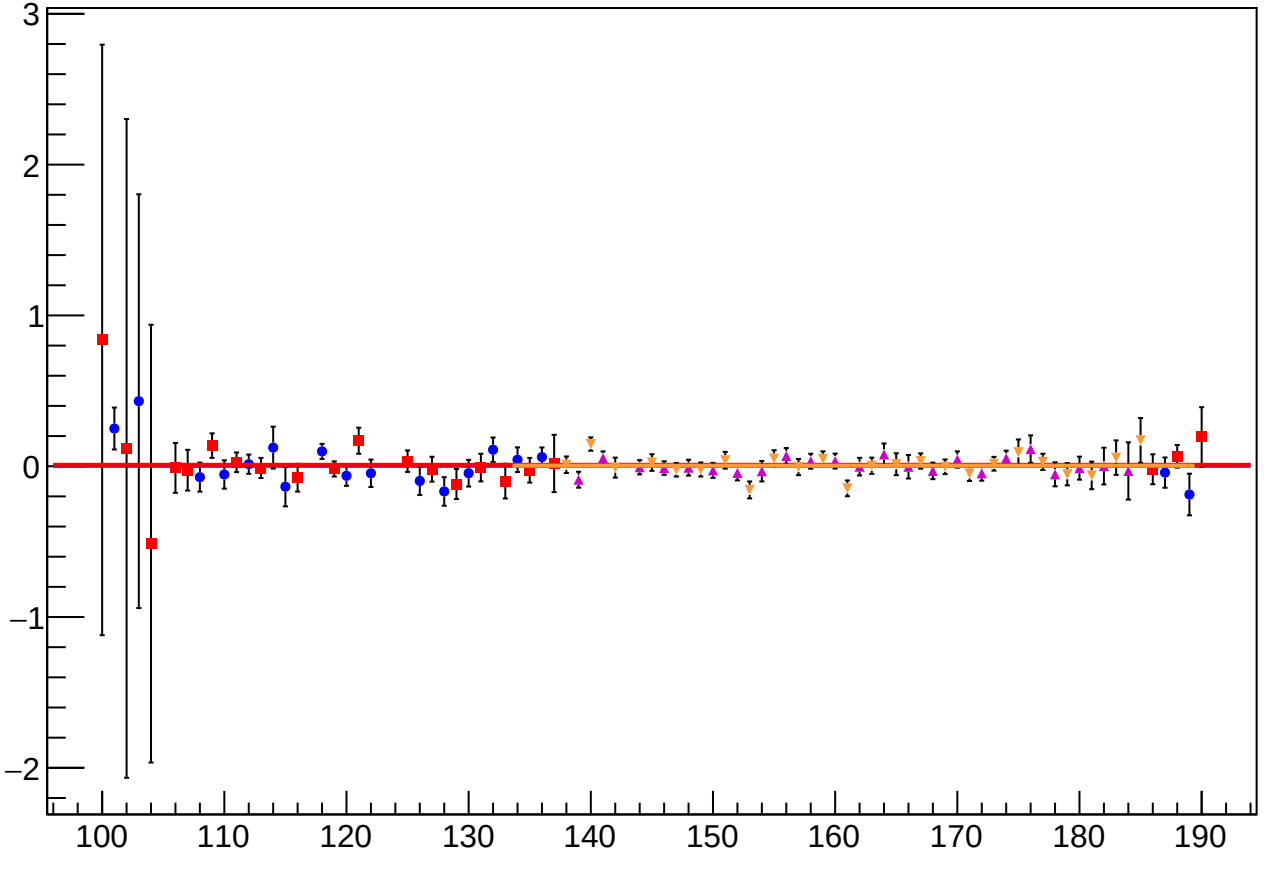
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.8/17
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.7/20
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 45.6/38
In: -0.000+/-0.000 χ²/NDF:38.2/40
Out: 0.000+/-0.000 χ²/NDF:44.3/44
All: 0.000+/-0.000 χ²/NDF: 84.7/85


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2272480.2/17
Left Out: 0.000+/-0.000 χ²/NDF:2274817.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 3172177.7/20
Left In: 0.000+/-0.000 χ²/NDF:2578668.0/22
Left: 0.000+/-0.000 χ²/NDF: 4866060.2/46
Right: 0.000+/-0.000 χ²/NDF: 5532657.0/38
In: 0.000+/-0.000 χ²/NDF:5296213.9/40
Out: 0.000+/-0.000 χ²/NDF:5607427.9/44
All: 0.000+/-0.000 χ²/NDF: 10940743.8/85

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

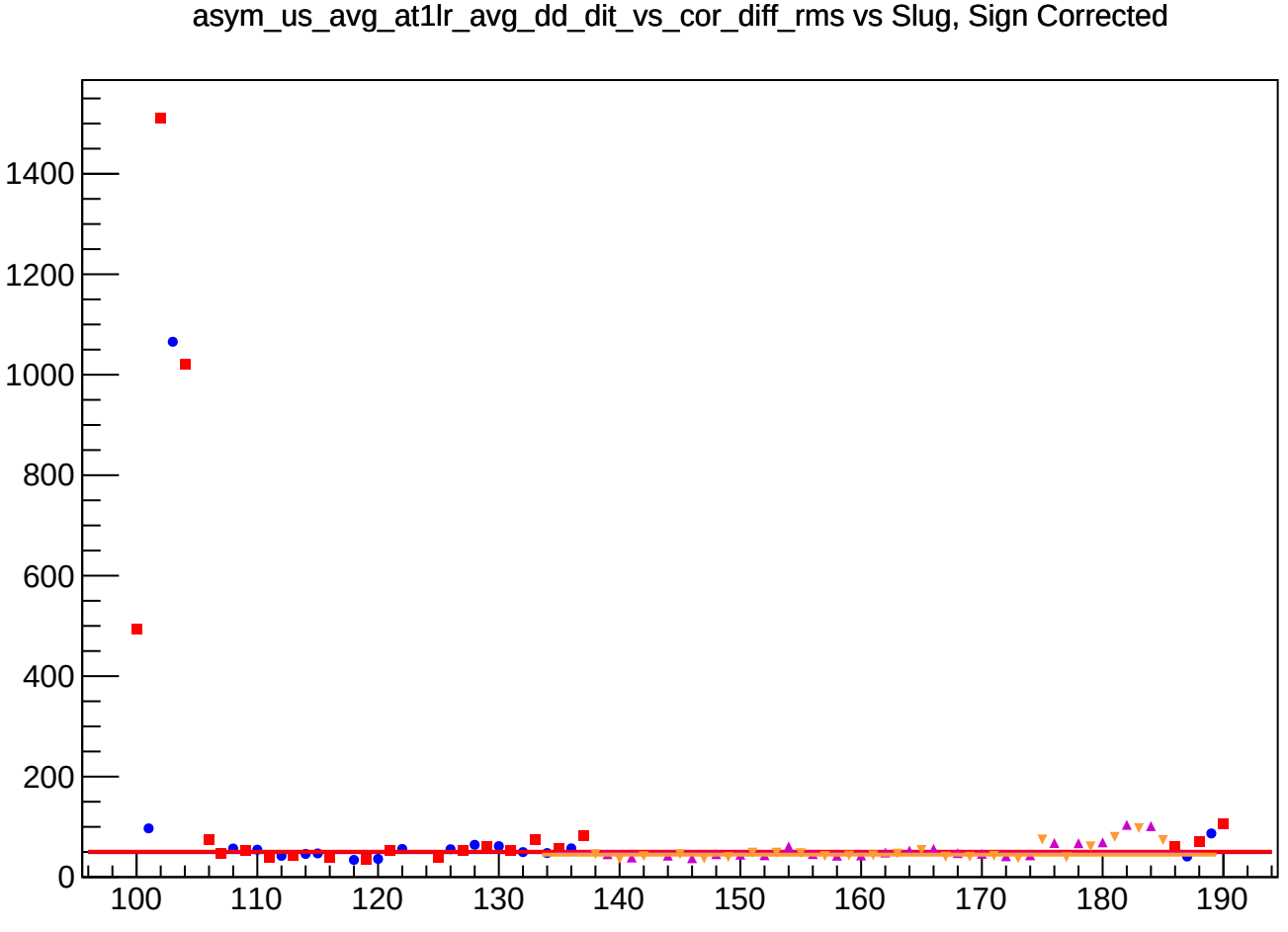
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.007+/-0.014 χ^2/NDF: 32.8/38

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.004+/-0.007 χ^2/NDF: 82.4/85



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

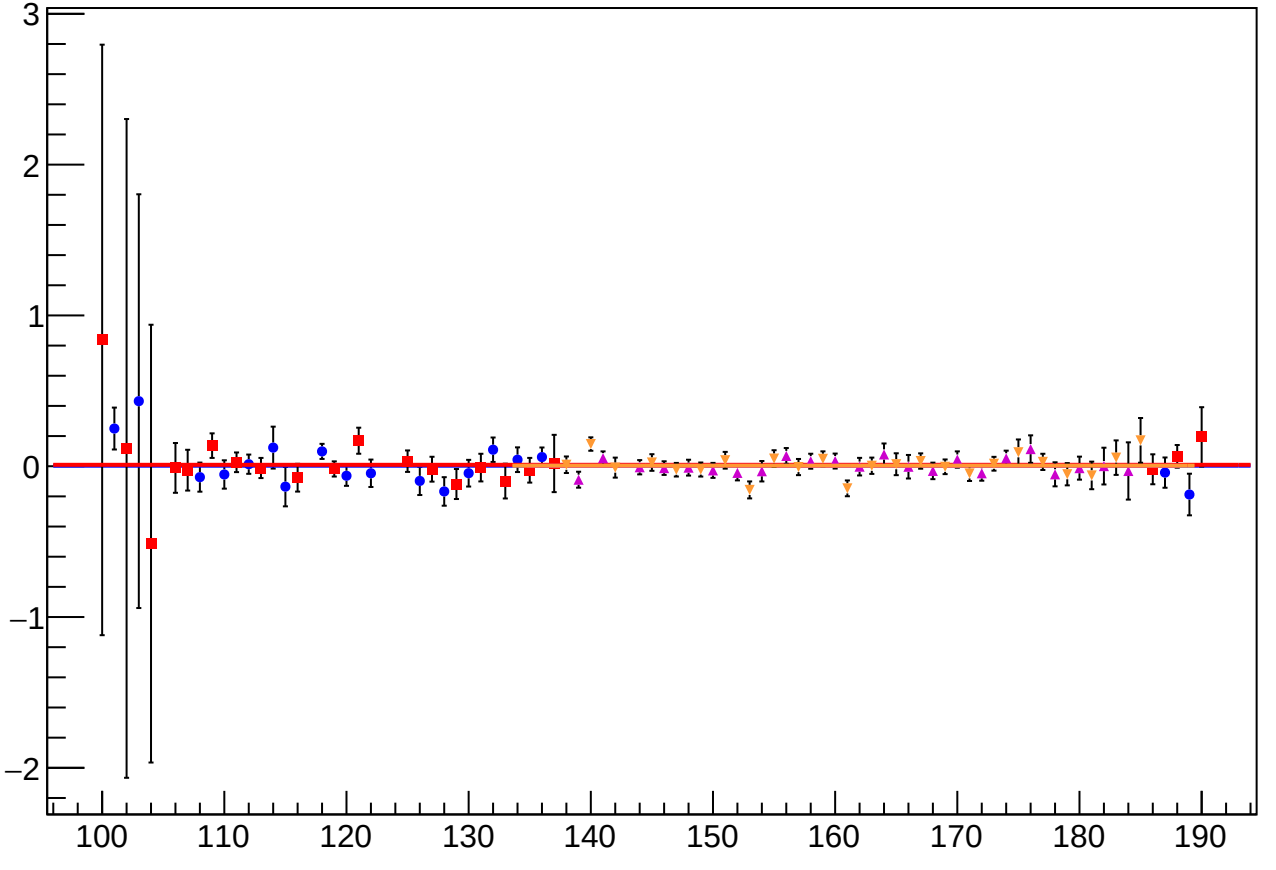
Right: 50.122+/-0.010 χ^2/NDF: 4720714.6/38

In: 47.746+/-0.007 χ^2/NDF:3348794.6/40

Out: 46.138+/-0.007 χ^2/NDF:4384117.1/44

All: 46.918+/-0.005 χ^2/NDF: 7758046.4/85

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

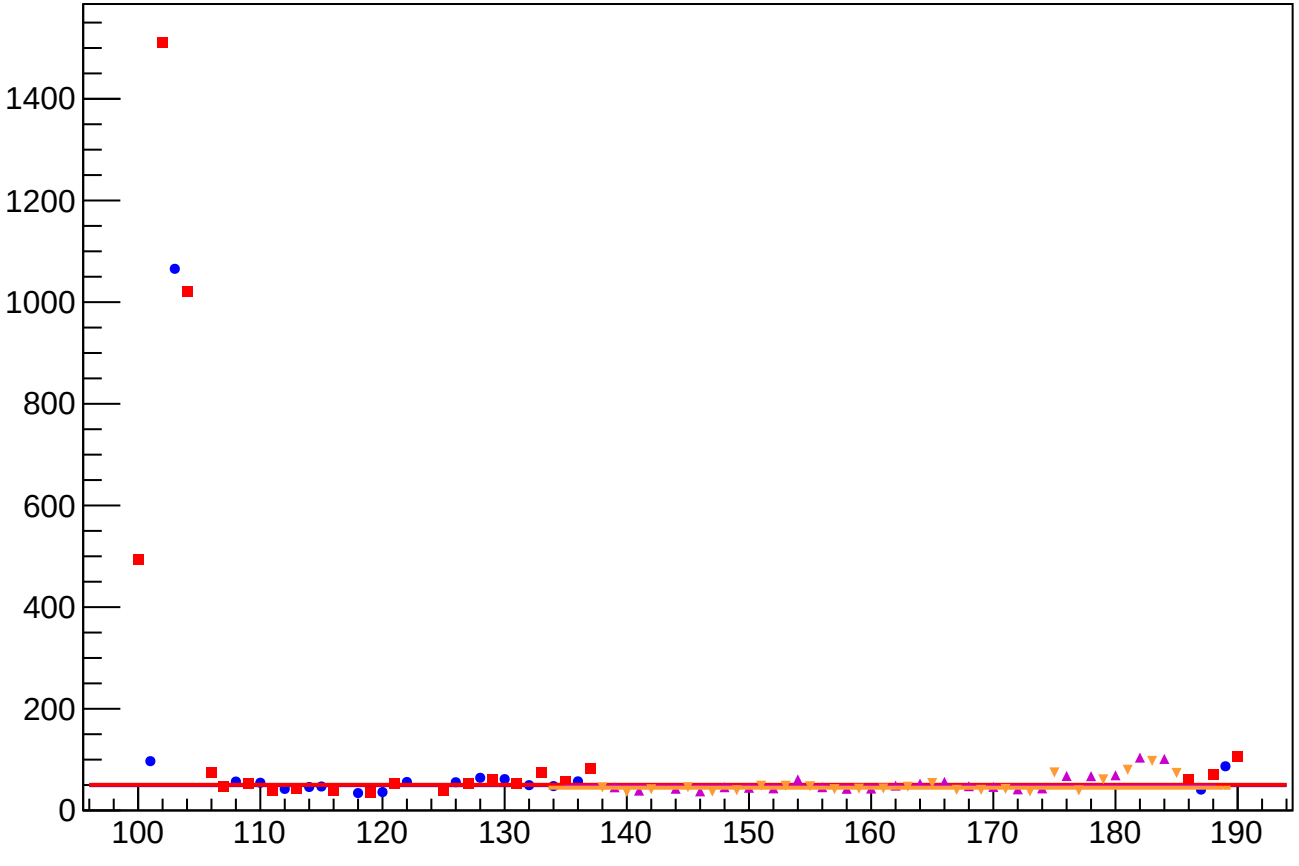
Right: 0.007+/-0.014 χ^2/NDF: 32.8/38

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.004+/-0.007 χ^2/NDF: 82.4/85

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

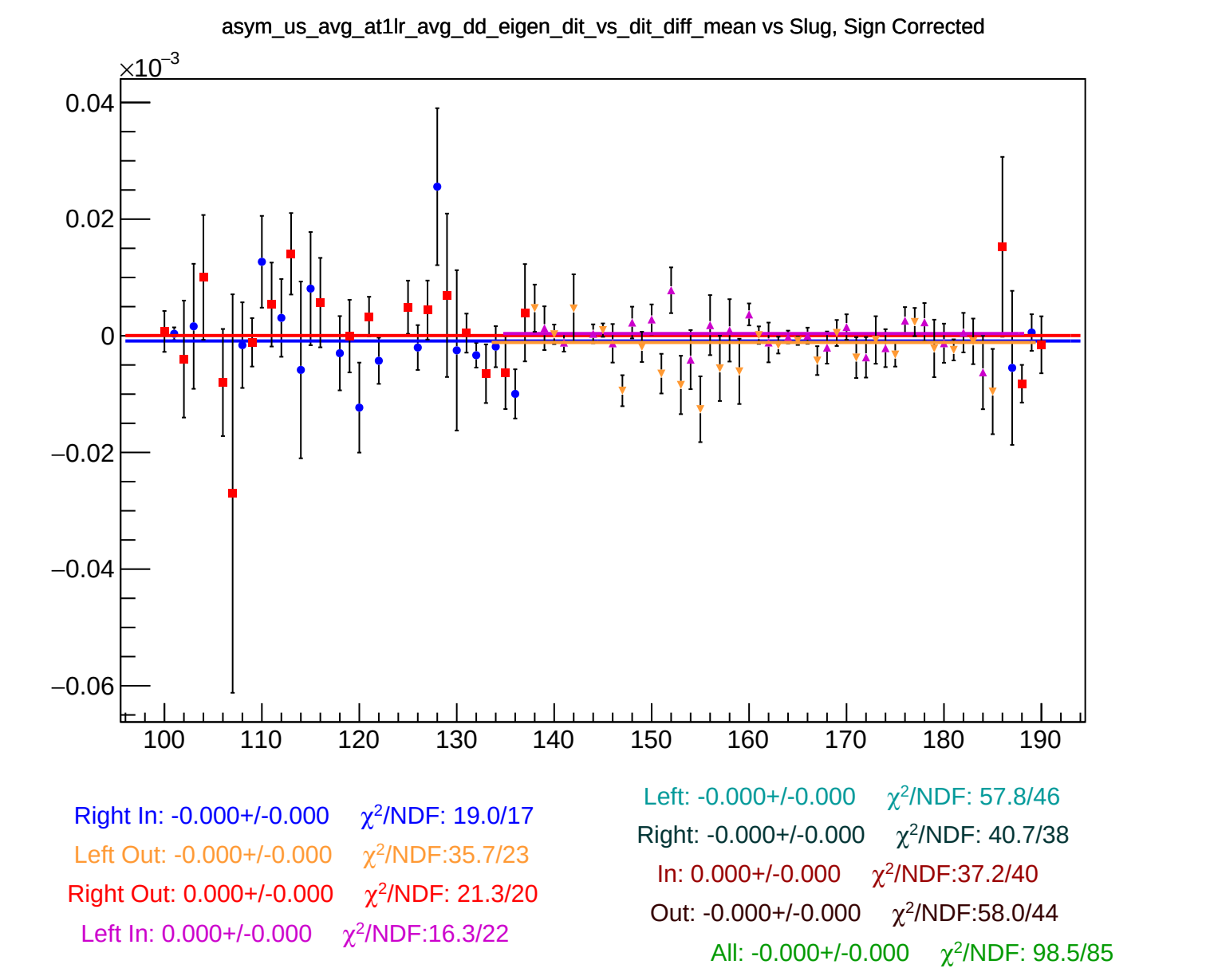
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 50.122+/-0.010 χ^2/NDF: 4720714.6/38

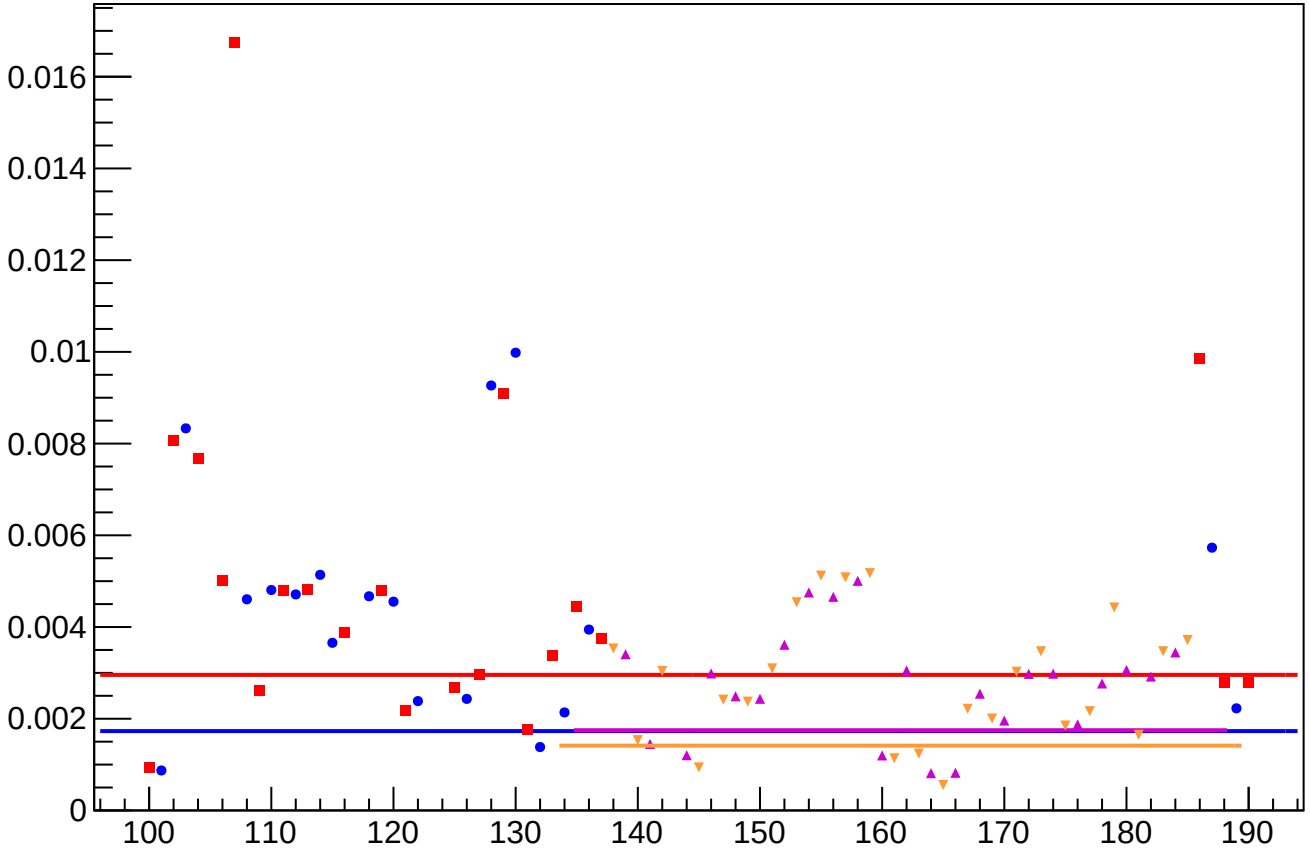
In: 47.746+/-0.007 χ^2/NDF:3348794.6/40

Out: 46.138+/-0.007 χ^2/NDF:4384117.1/44

All: 46.918+/-0.005 χ^2/NDF: 7758046.4/85


asym_us_avg_at1lr_avg_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
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 19.0/17
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.3/20
Left In: 0.000+/-0.000 χ²/NDF:16.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.8/46
Right: -0.000+/-0.000 χ²/NDF: 40.7/38
In: 0.000+/-0.000 χ²/NDF:37.2/40
Out: -0.000+/-0.000 χ²/NDF:58.0/44
All: -0.000+/-0.000 χ²/NDF: 98.5/85

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: 6201505.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 3787464.4/20

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

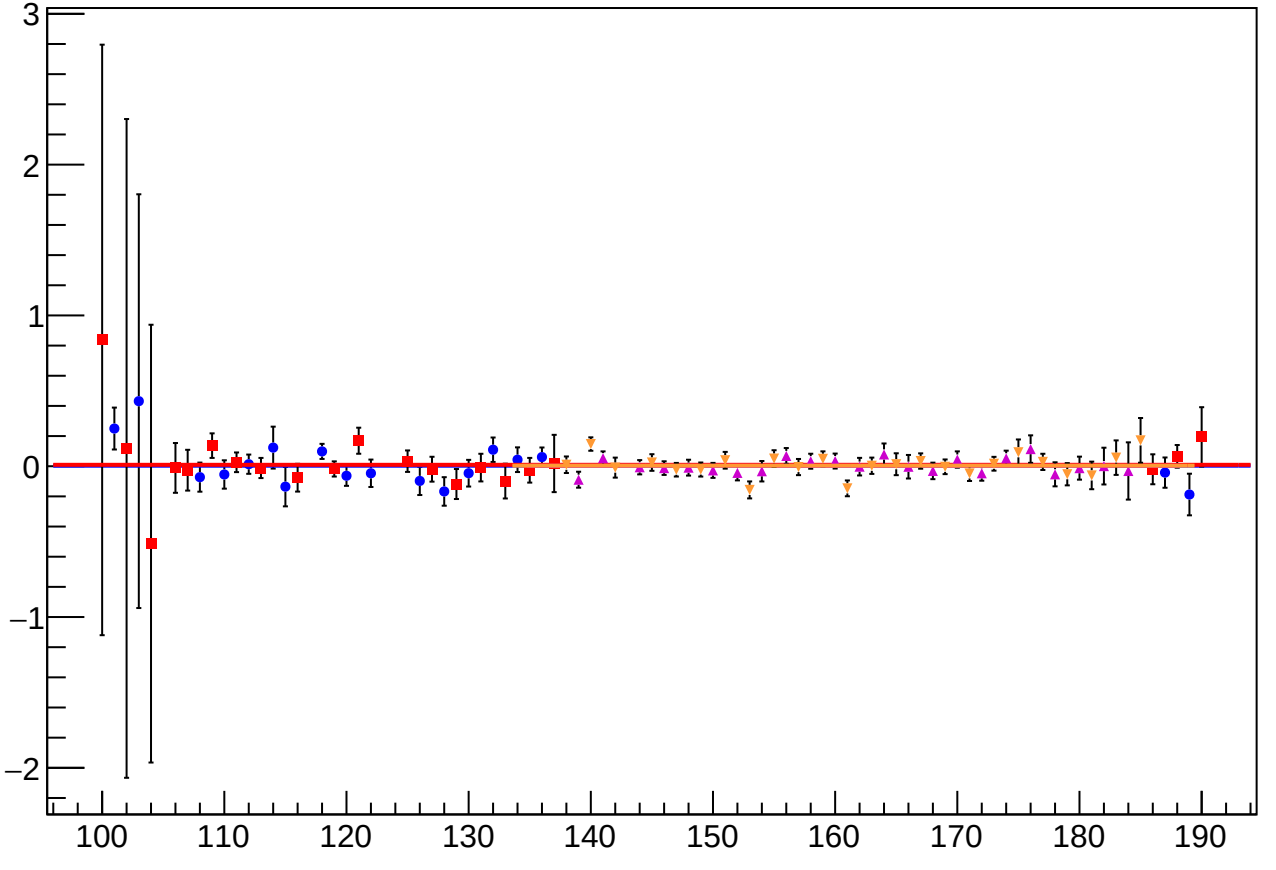
Right: 0.002+/-0.000 χ^2/NDF: 11500640.9/38

In: 0.002+/-0.000 χ^2/NDF:14441291.2/40

Out: 0.002+/-0.000 χ^2/NDF:18520502.0/44

All: 0.002+/-0.000 χ^2/NDF: 33120317.8/85

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

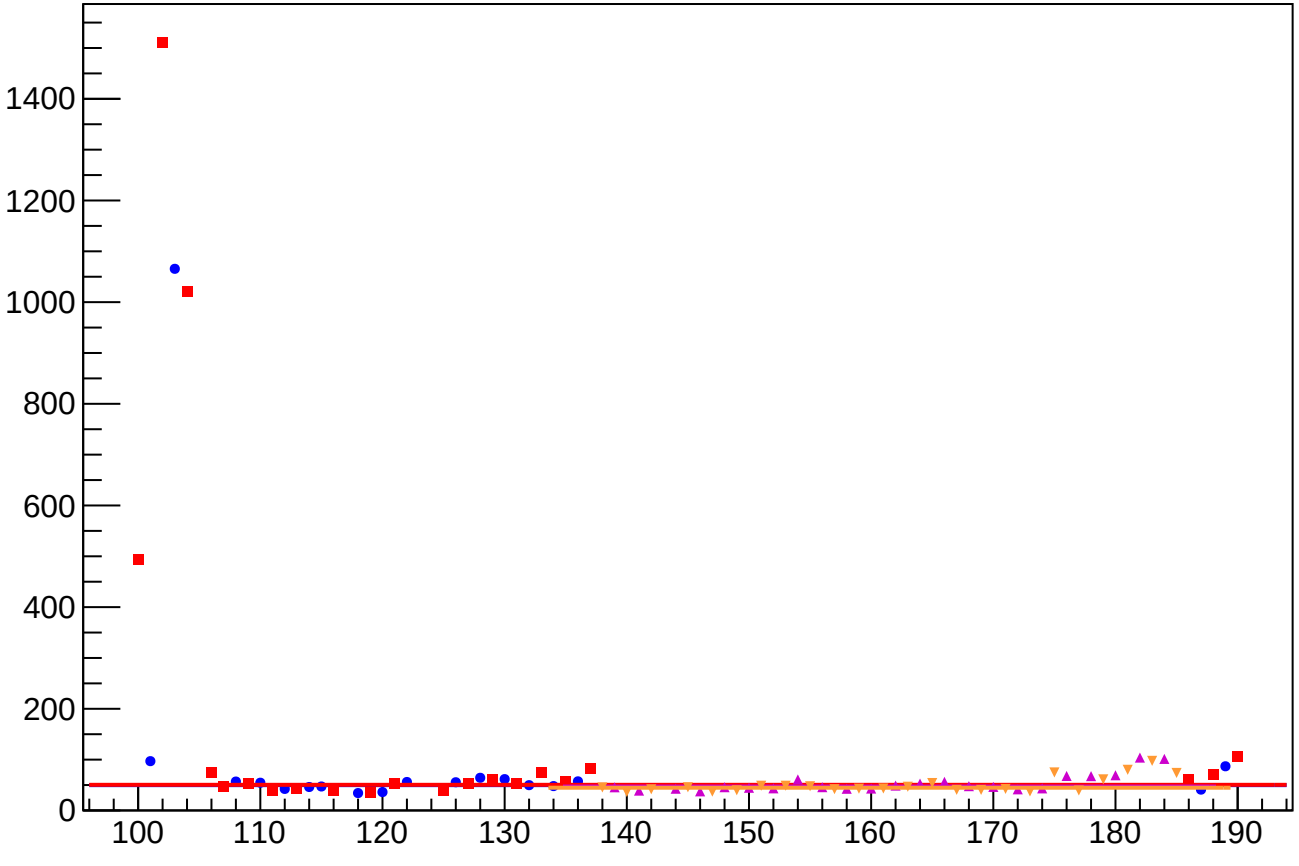
Right: 0.007+/-0.014 χ^2/NDF: 32.8/38

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.004+/-0.007 χ^2/NDF: 82.4/85

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.804+/-0.014 χ^2/NDF: 1937964.4/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 50.433+/-0.014 χ^2/NDF: 2781744.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

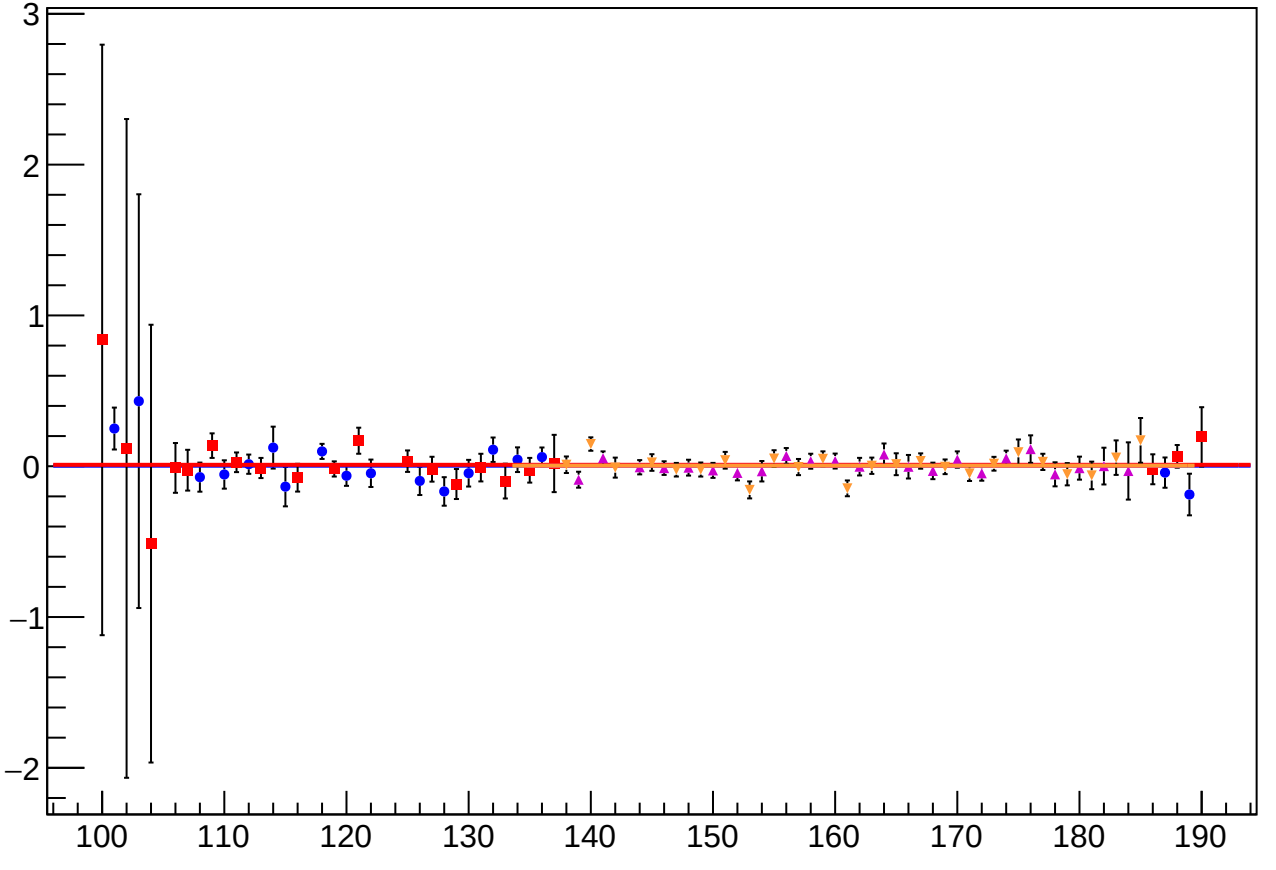
Right: 50.121+/-0.010 χ^2/NDF: 4720678.8/38

In: 47.746+/-0.007 χ^2/NDF:3348799.7/40

Out: 46.138+/-0.007 χ^2/NDF:4384122.0/44

All: 46.918+/-0.005 χ^2/NDF: 7758055.8/85

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

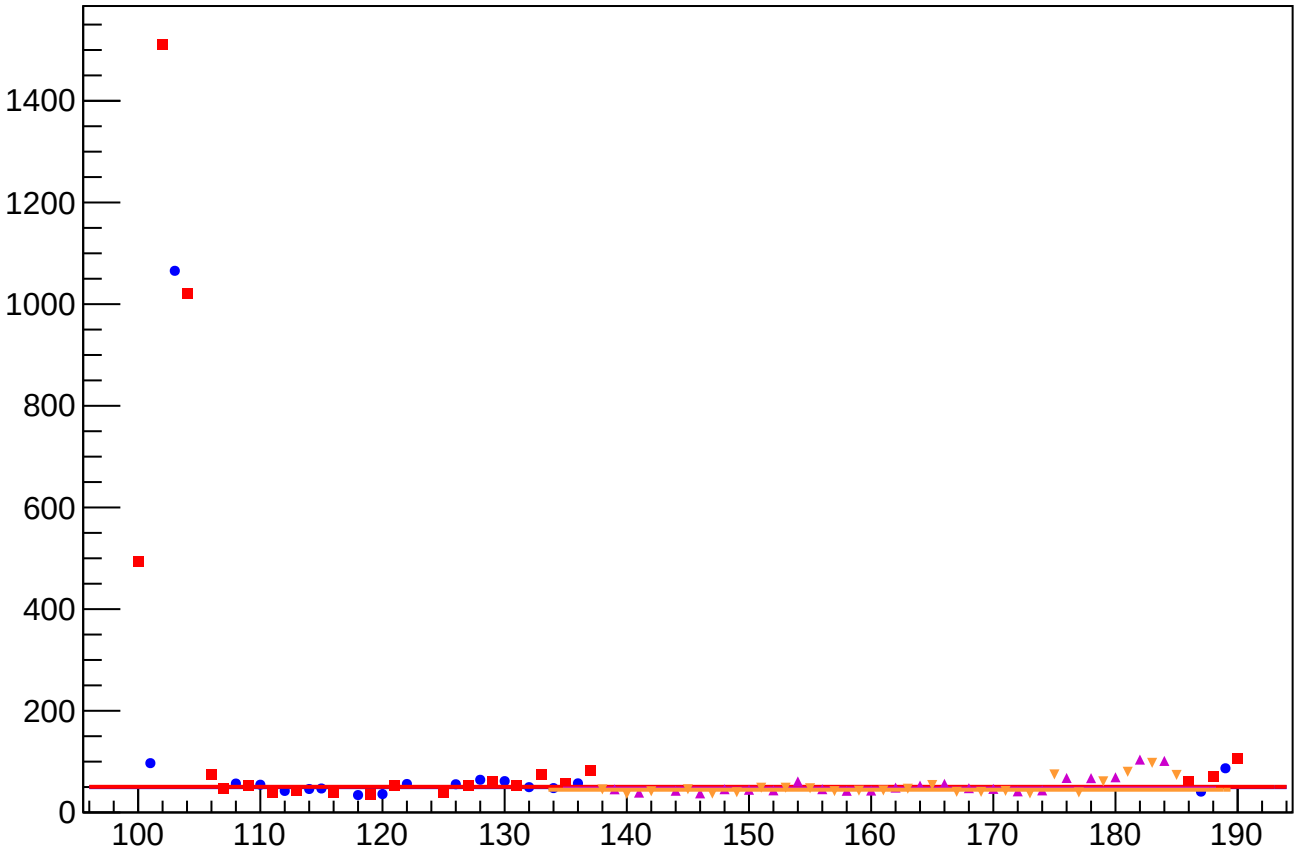
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.007+/-0.014 χ^2/NDF: 32.8/38

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.004+/-0.007 χ^2/NDF: 82.4/85



Right In: 49.804+/-0.014 χ^2/NDF: 1937964.4/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 50.433+/-0.014 χ^2/NDF: 2781744.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

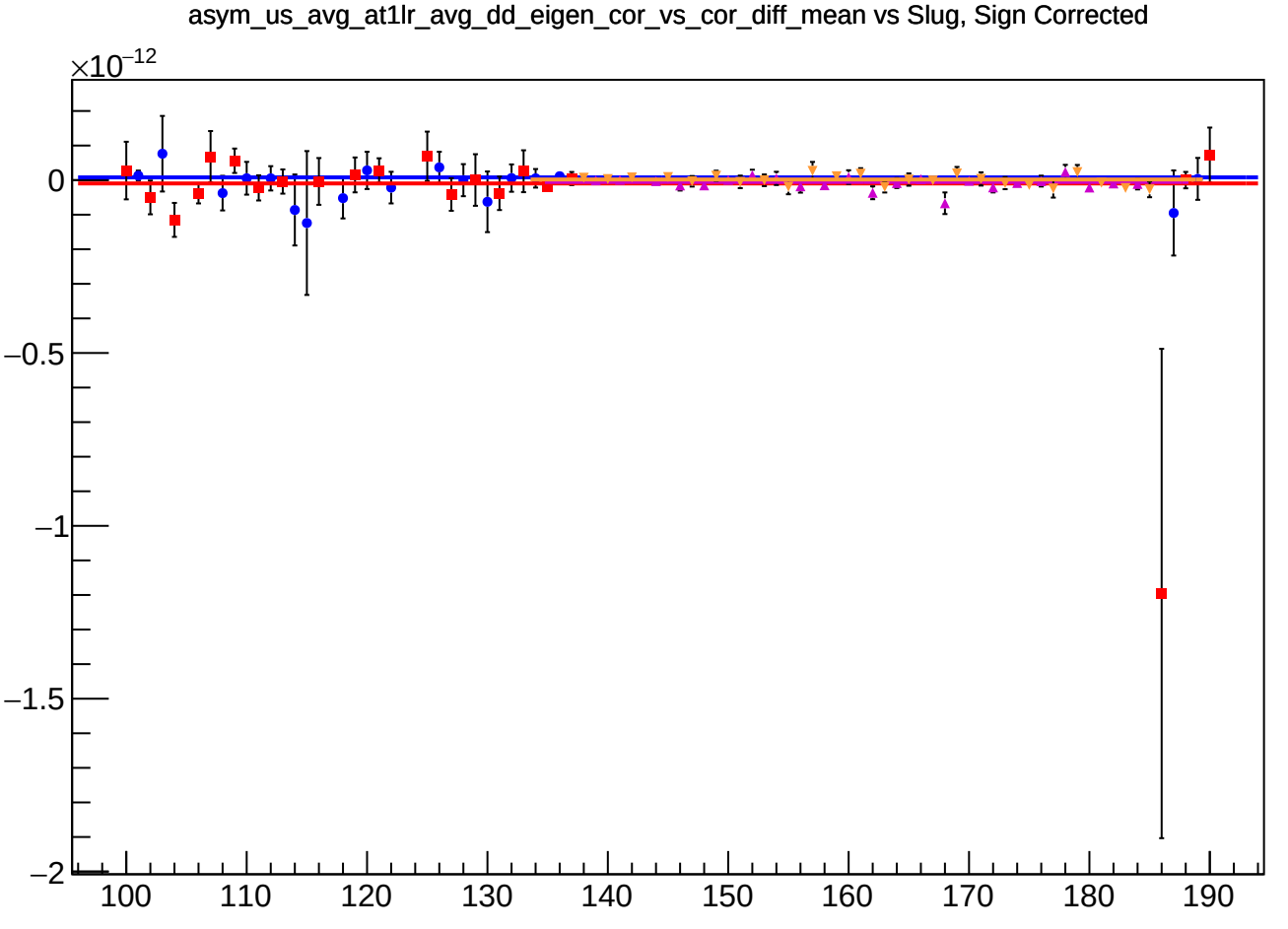
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 50.121+/-0.010 χ^2/NDF: 4720678.8/38

In: 47.746+/-0.007 χ^2/NDF:3348799.7/40

Out: 46.138+/-0.007 χ^2/NDF:4384122.0/44

All: 46.918+/-0.005 χ^2/NDF: 7758055.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

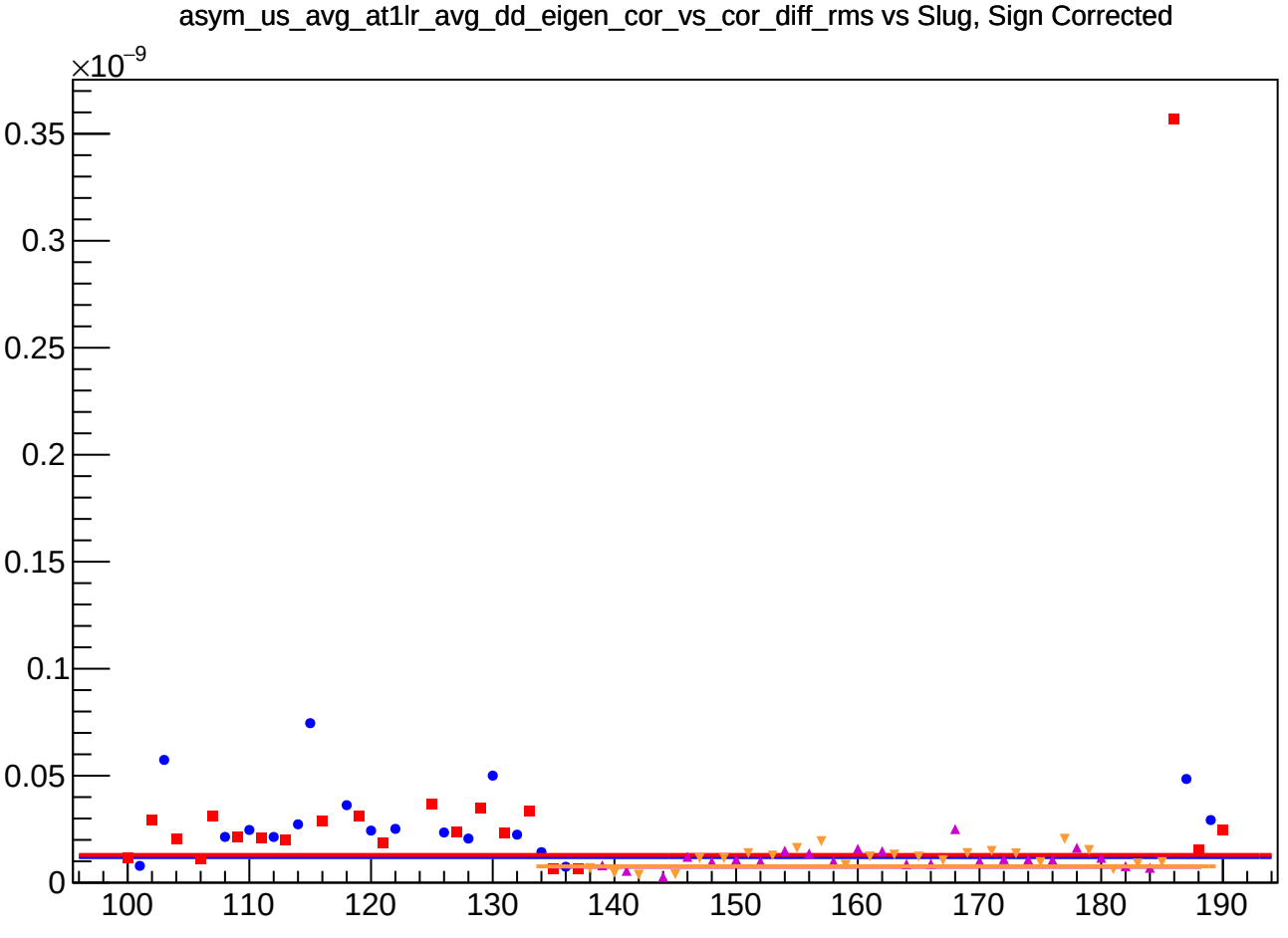
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 29.8/38

In: -0.000+/-0.000 χ^2/NDF:27.5/40

Out: 0.000+/-0.000 χ^2/NDF:43.3/44

All: -0.000+/-0.000 χ^2/NDF: 72.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 3248154.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3468182.8/20

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

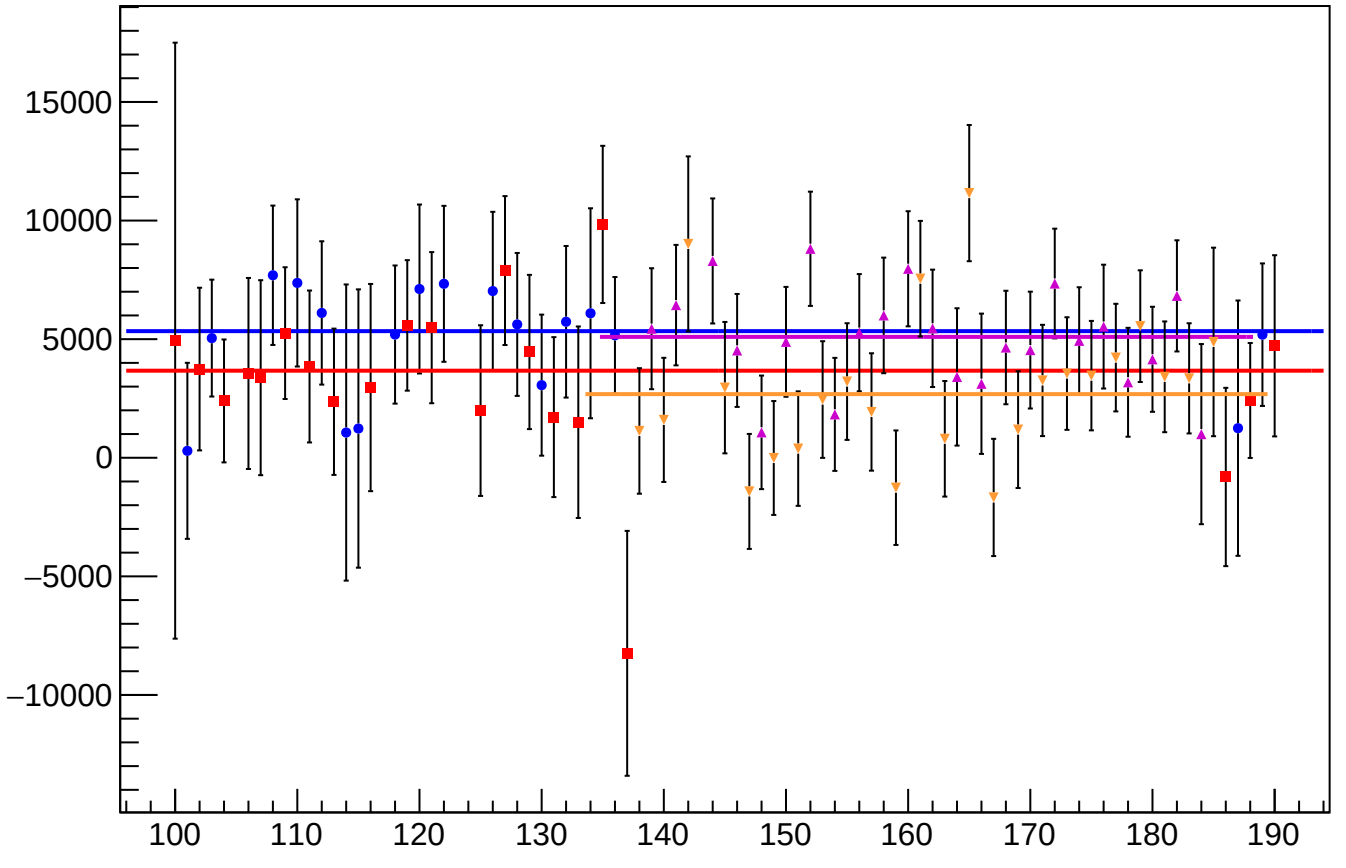
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 6737124.7/38

In: 0.000+/-0.000 χ^2/NDF:10054676.4/40

Out: 0.000+/-0.000 χ^2/NDF:10109724.6/44

All: 0.000+/-0.000 χ^2/NDF: 20173596.2/85



Right In: 5338.200+/-776.155 χ^2/NDF: 6.0/17

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3671.125+/-737.713 χ^2/NDF: 14.9/20

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

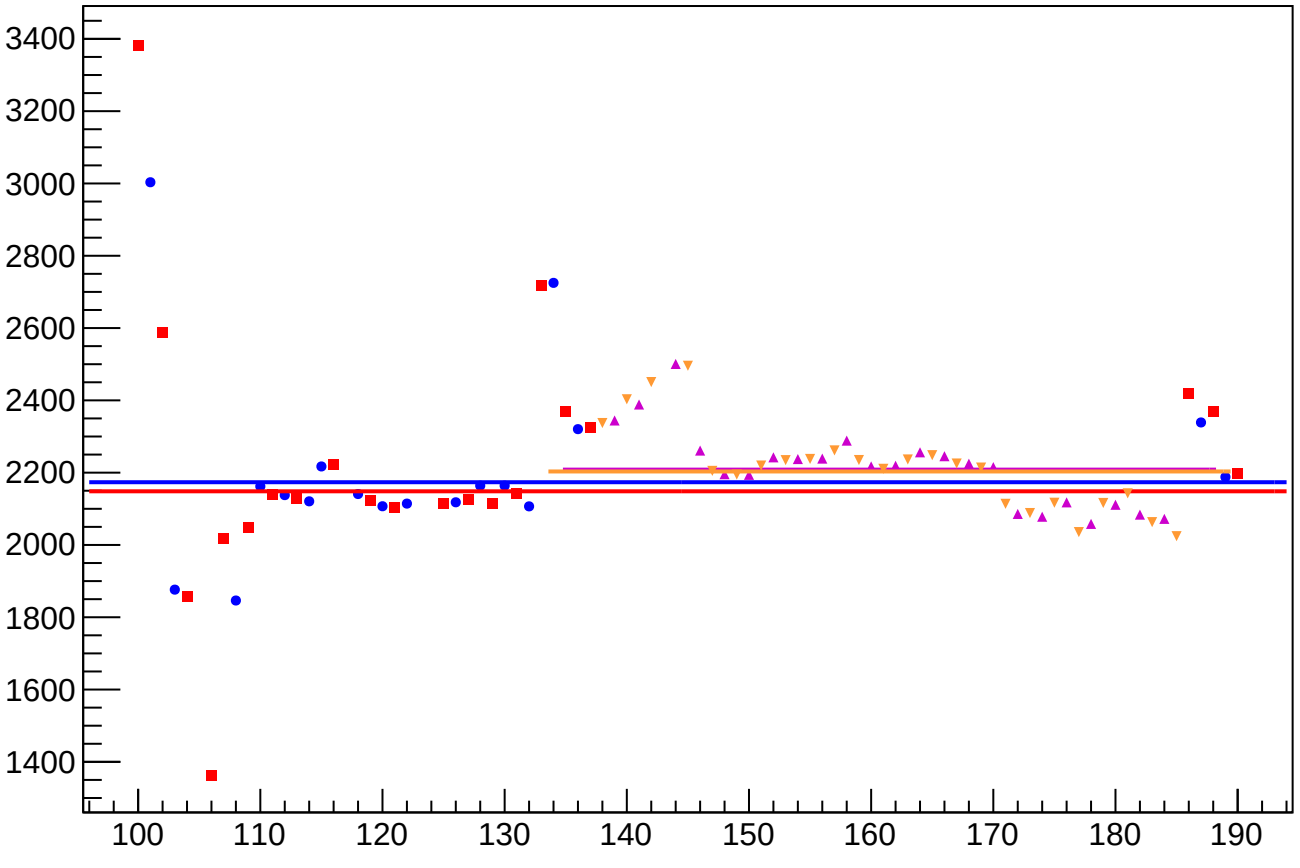
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4462.357+/-534.716 χ^2/NDF: 23.3/38

In: 5170.579+/-429.839 χ^2/NDF:21.0/40

Out: 3004.163+/-420.633 χ^2/NDF:46.9/44

All: 4063.923+/-300.634 χ^2/NDF: 80.8/85



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.0/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2148.395+/-0.515 χ^2/NDF: 299106.7/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

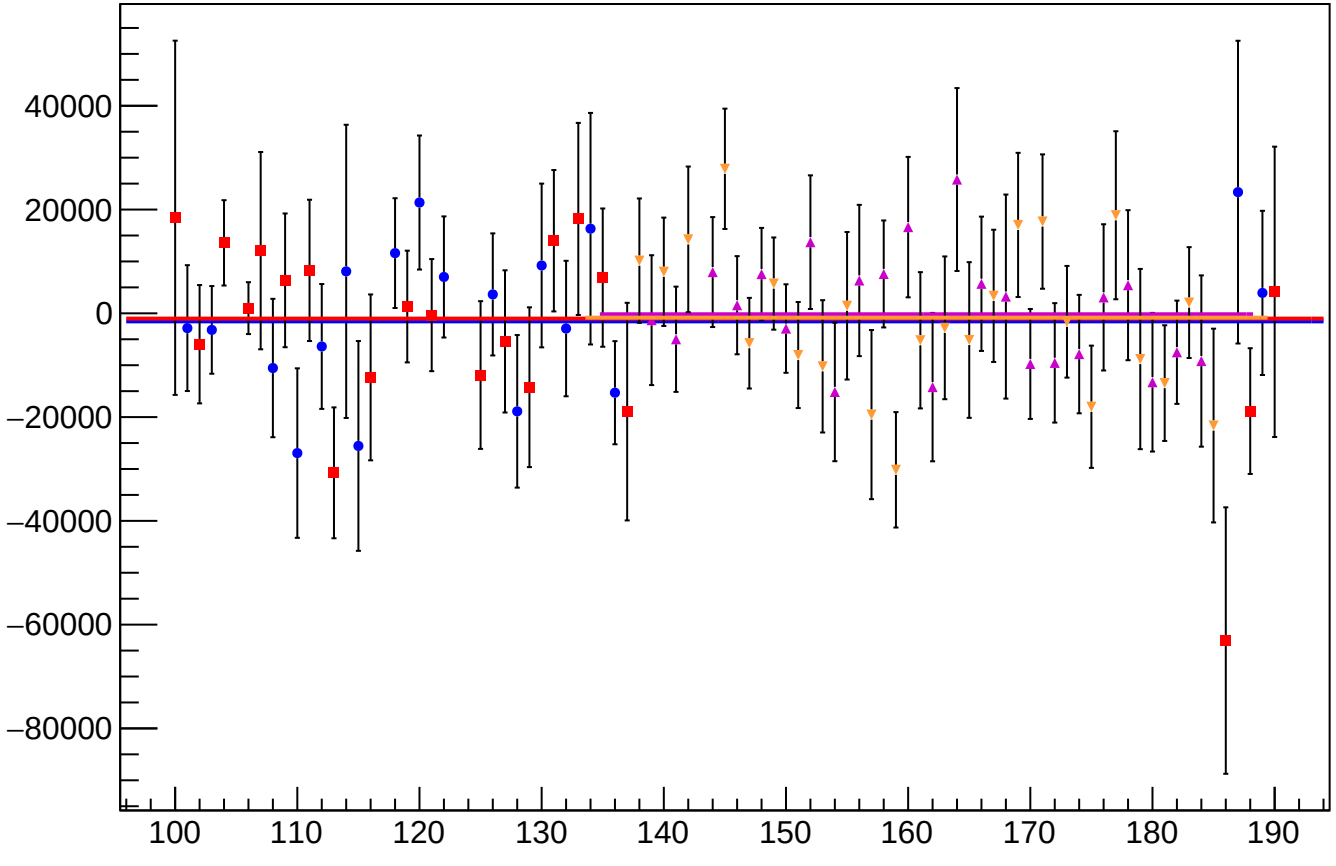
Right: 2160.165+/-0.375 χ^2/NDF: 497887.9/38

In: 2197.695+/-0.304 χ^2/NDF:281451.4/40

Out: 2185.124+/-0.296 χ^2/NDF:394926.1/44

All: 2191.246+/-0.212 χ^2/NDF: 677255.0/85

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1547.058+/-3129.721 χ^2/NDF: 15.3/17

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1018.791+/-2624.260 χ^2/NDF: 24.0/20

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

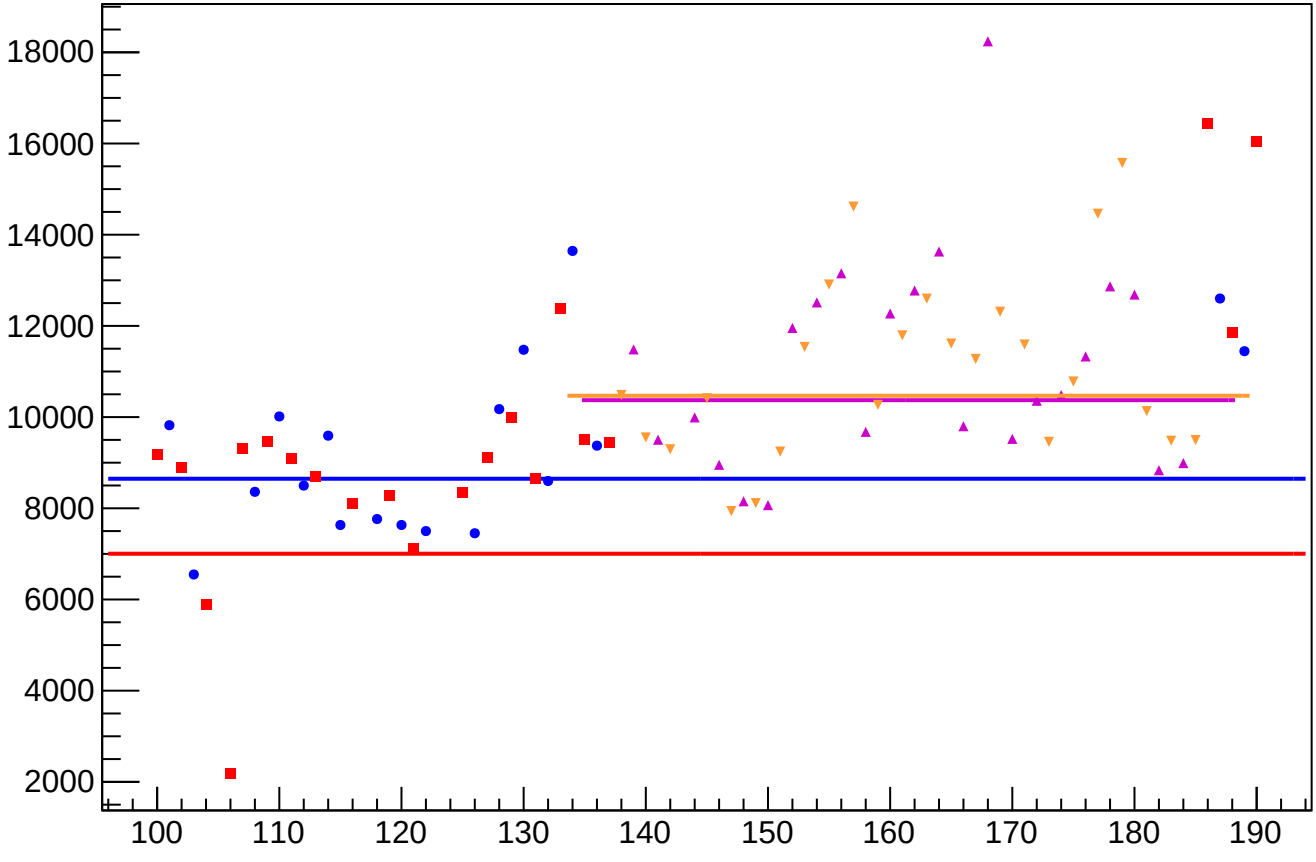
Right: -1236.874+/-2010.897 χ^2/NDF: 39.4/38

In: -706.491+/-1939.503 χ^2/NDF:29.2/40

Out: -920.959+/-1803.031 χ^2/NDF:53.5/44

All: -821.535+/-1320.548 χ^2/NDF: 82.7/85

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8648.170+/-2.213 χ^2/NDF: 527064.9/17

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 7003.481+/-1.856 χ^2/NDF: 3421111.2/20

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

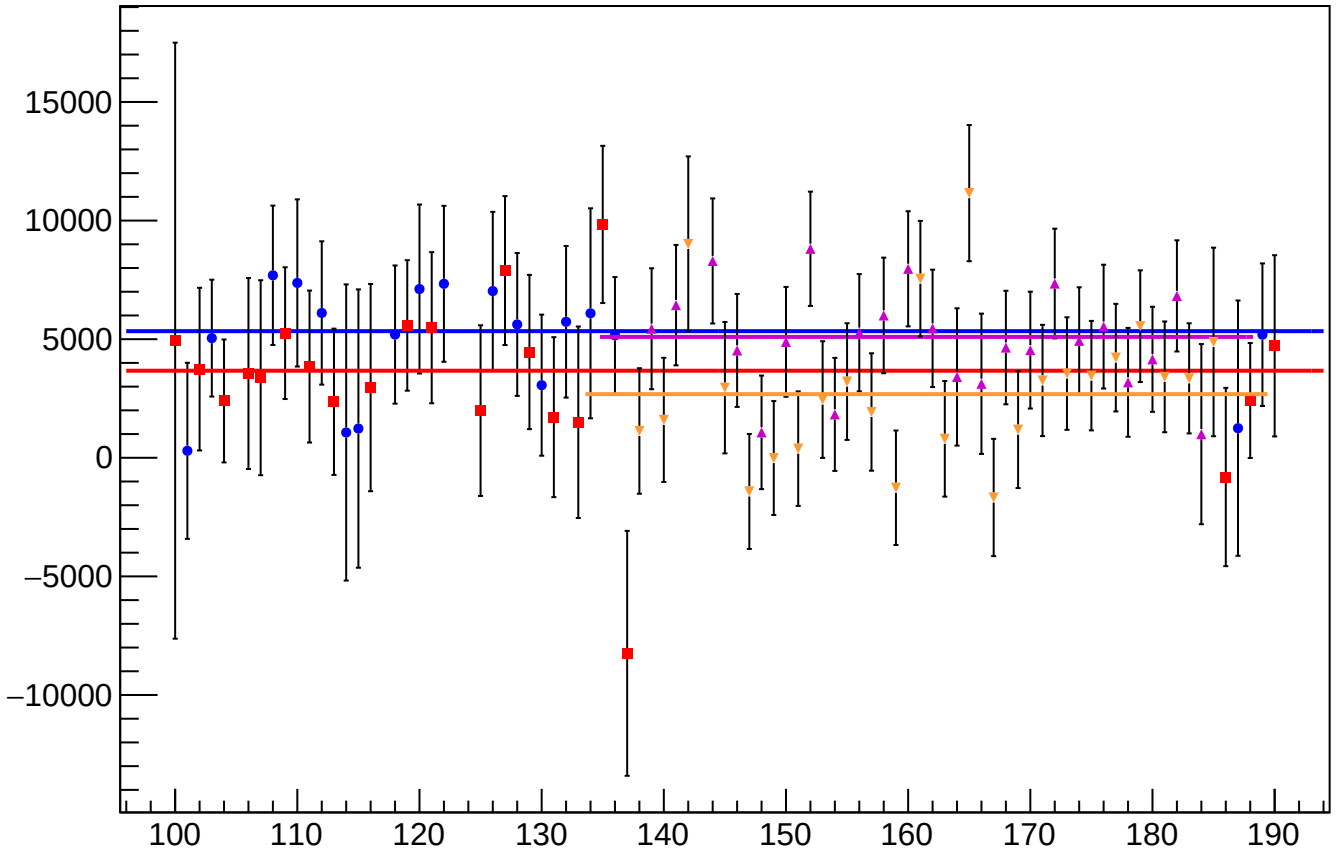
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 7682.453+/-1.422 χ^2/NDF: 4272480.2/38

In: 9709.310+/-1.371 χ^2/NDF:2104079.8/40

Out: 8832.914+/-1.275 χ^2/NDF:6307397.9/44

All: 9239.197+/-0.934 χ^2/NDF: 8630532.7/85



Right In: 5338.387+/-776.155 χ^2/NDF: 6.0/17

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3670.894+/-737.713 χ^2/NDF: 14.9/20

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

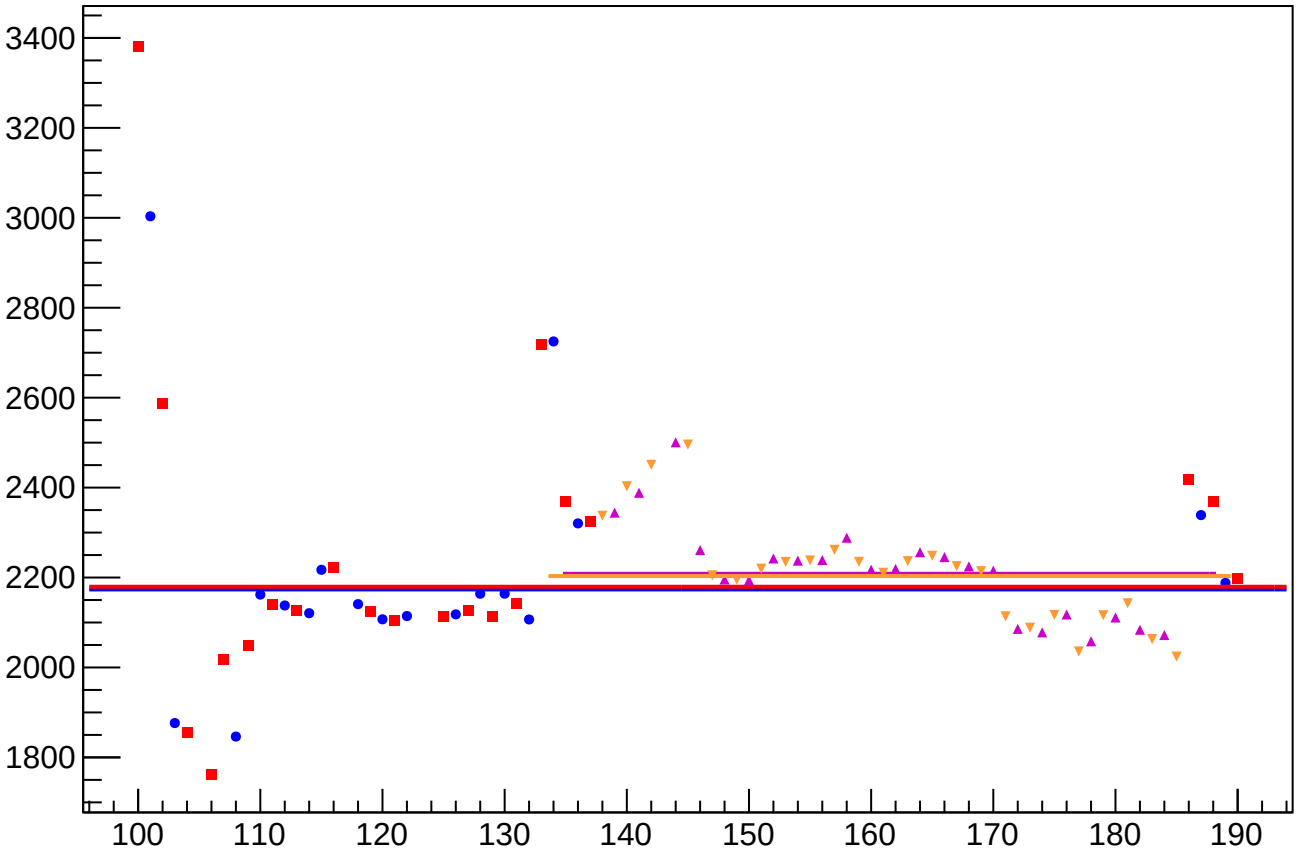
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4462.325+/-534.716 χ^2/NDF: 23.3/38

In: 5170.572+/-429.839 χ^2/NDF:21.0/40

Out: 3004.034+/-420.633 χ^2/NDF:46.9/44

All: 4063.854+/-300.634 χ^2/NDF: 80.8/85



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.4/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

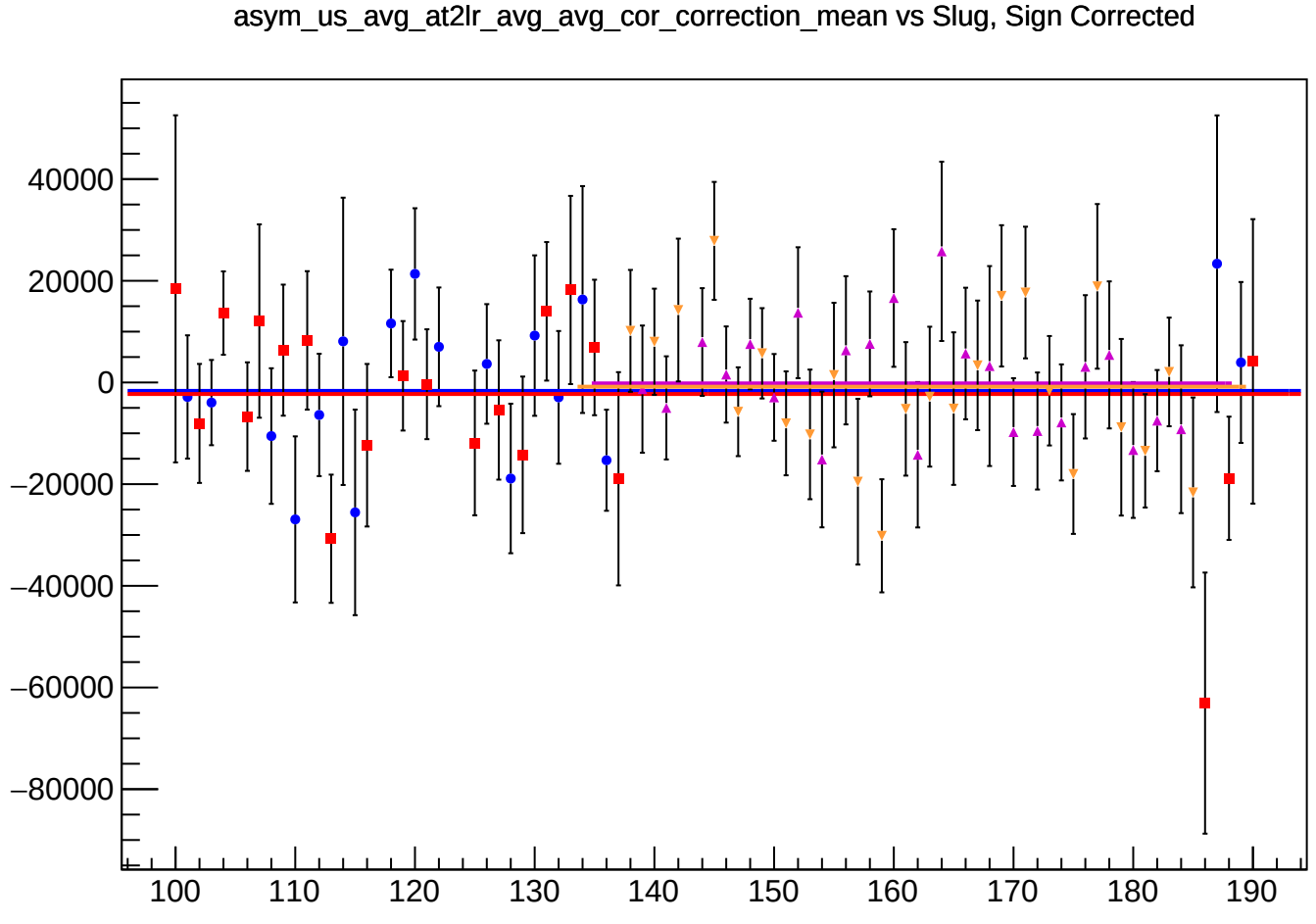
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2176.697+/-0.377 χ^2/NDF: 379024.8/38

In: 2197.695+/-0.304 χ^2/NDF:281451.7/40

Out: 2195.524+/-0.297 χ^2/NDF:270916.0/44

All: 2196.585+/-0.212 χ^2/NDF: 552393.9/85



Right In: -1656.787+/-3126.420 χ^2/NDF: 15.3/17

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2270.846+/-2966.119 χ^2/NDF: 24.2/20

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

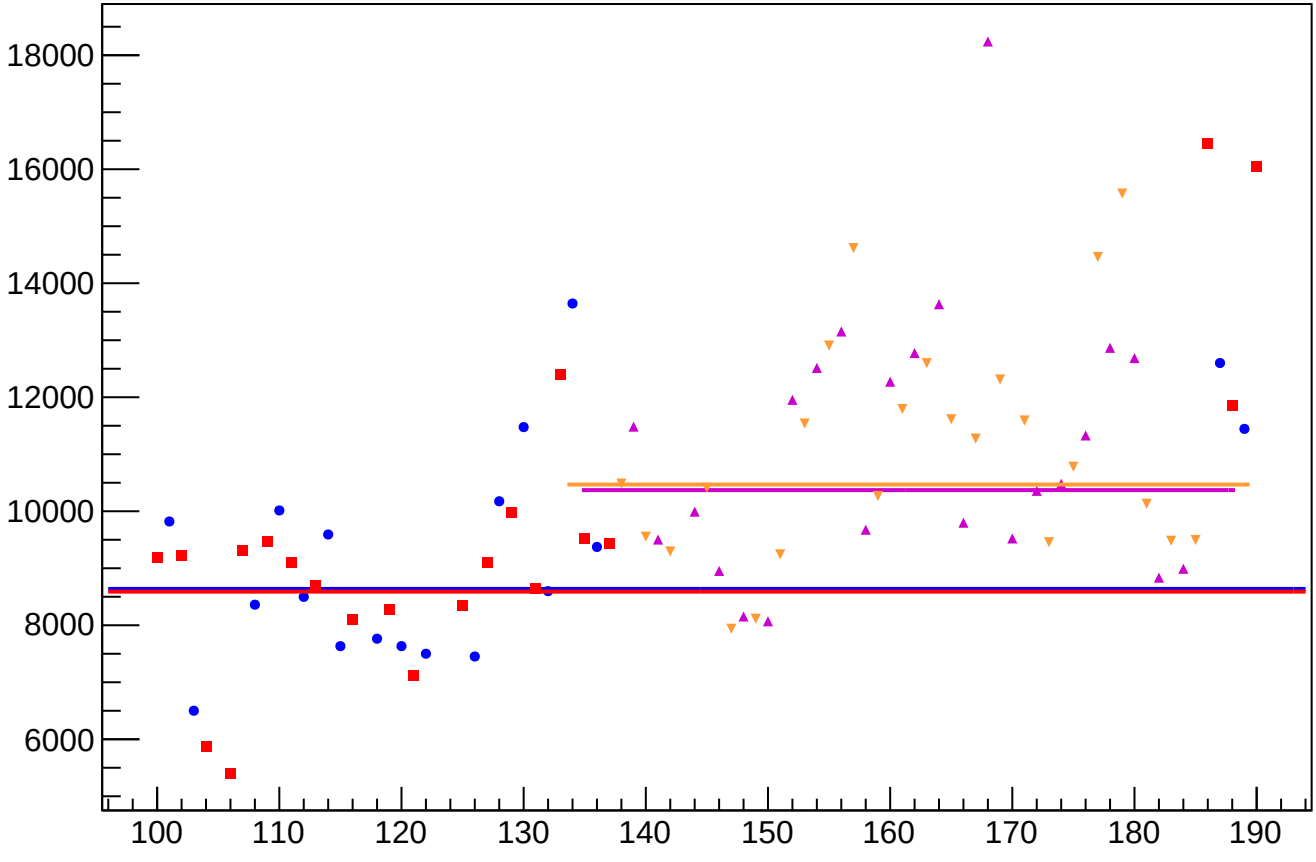
Right: -1979.962+/-2151.802 χ^2/NDF: 39.6/38

In: -749.326+/-1938.715 χ^2/NDF:29.2/40

Out: -1425.278+/-1903.252 χ^2/NDF:53.8/44

All: -1093.541+/-1358.167 χ^2/NDF: 83.1/85

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8590.167+/-2.097 χ^2/NDF: 1051791.0/20

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

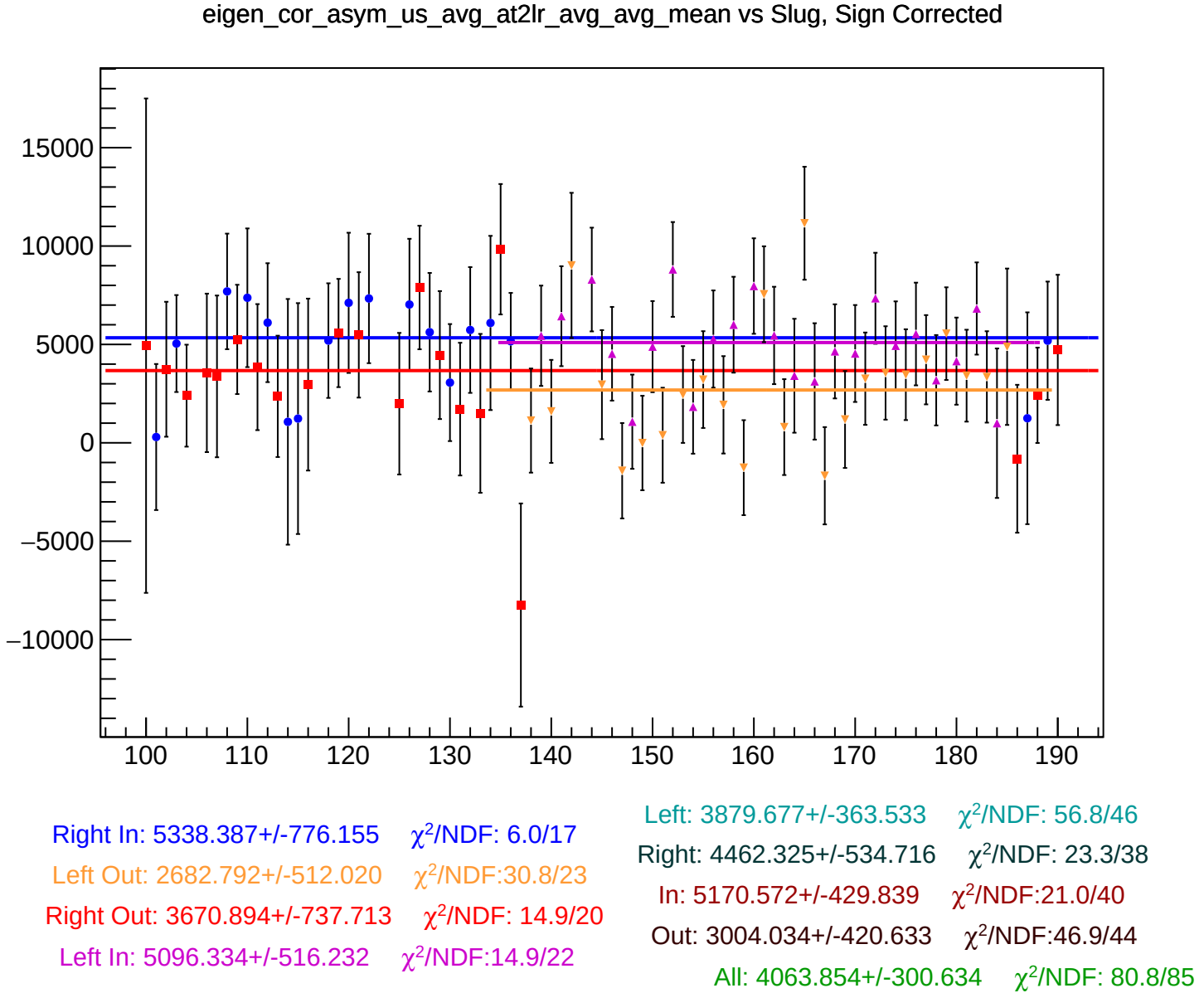
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

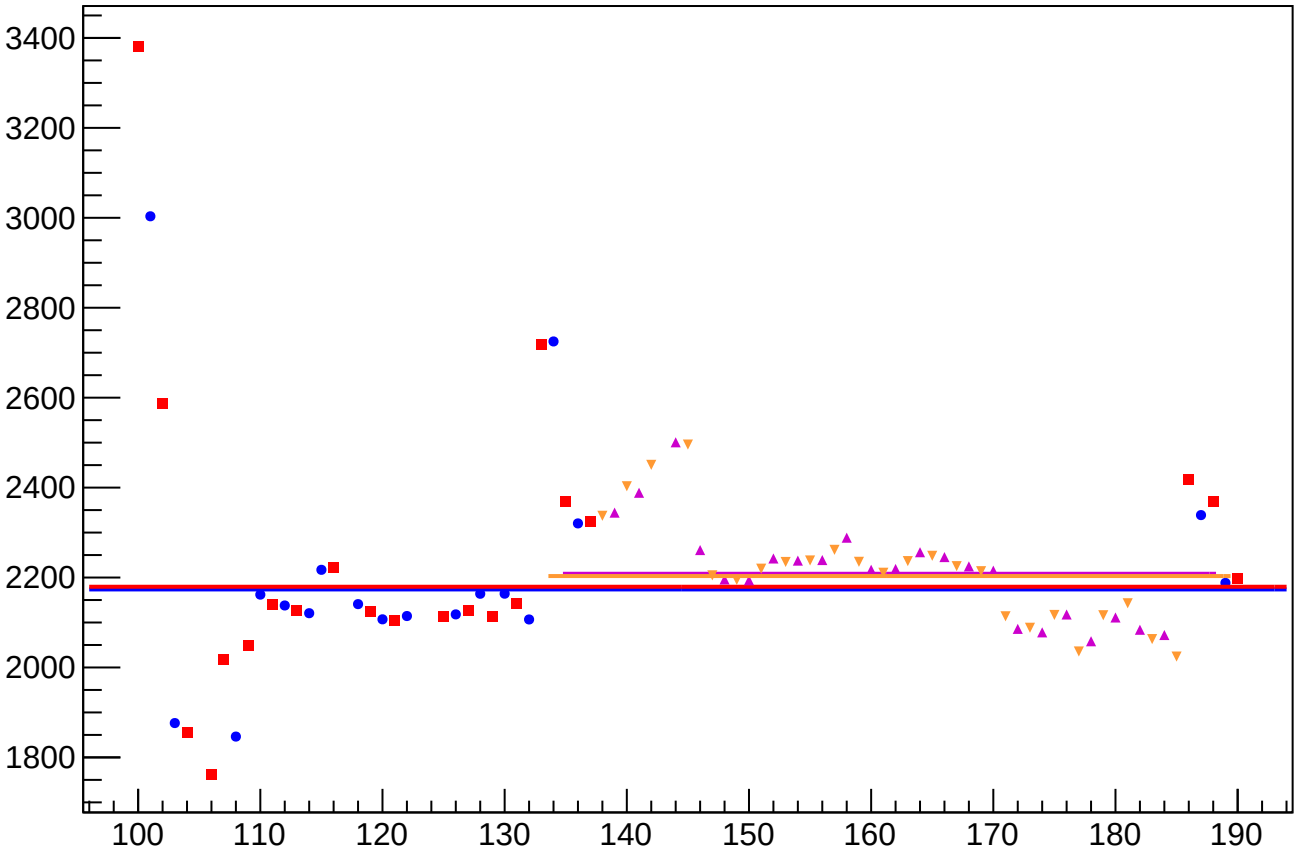
Right: 8612.417+/-1.522 χ^2/NDF: 1586659.9/38

In: 9704.203+/-1.371 χ^2/NDF:2116935.7/40

Out: 9695.233+/-1.346 χ^2/NDF:2568954.3/44

All: 9699.635+/-0.960 χ^2/NDF: 4685911.8/85


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 5338.387+/-776.155 χ²/NDF: 6.0/17
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3670.894+/-737.713 χ²/NDF: 14.9/20
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4462.325+/-534.716 χ²/NDF: 23.3/38
In: 5170.572+/-429.839 χ²/NDF:21.0/40
Out: 3004.034+/-420.633 χ²/NDF:46.9/44
All: 4063.854+/-300.634 χ²/NDF: 80.8/85



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.4/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

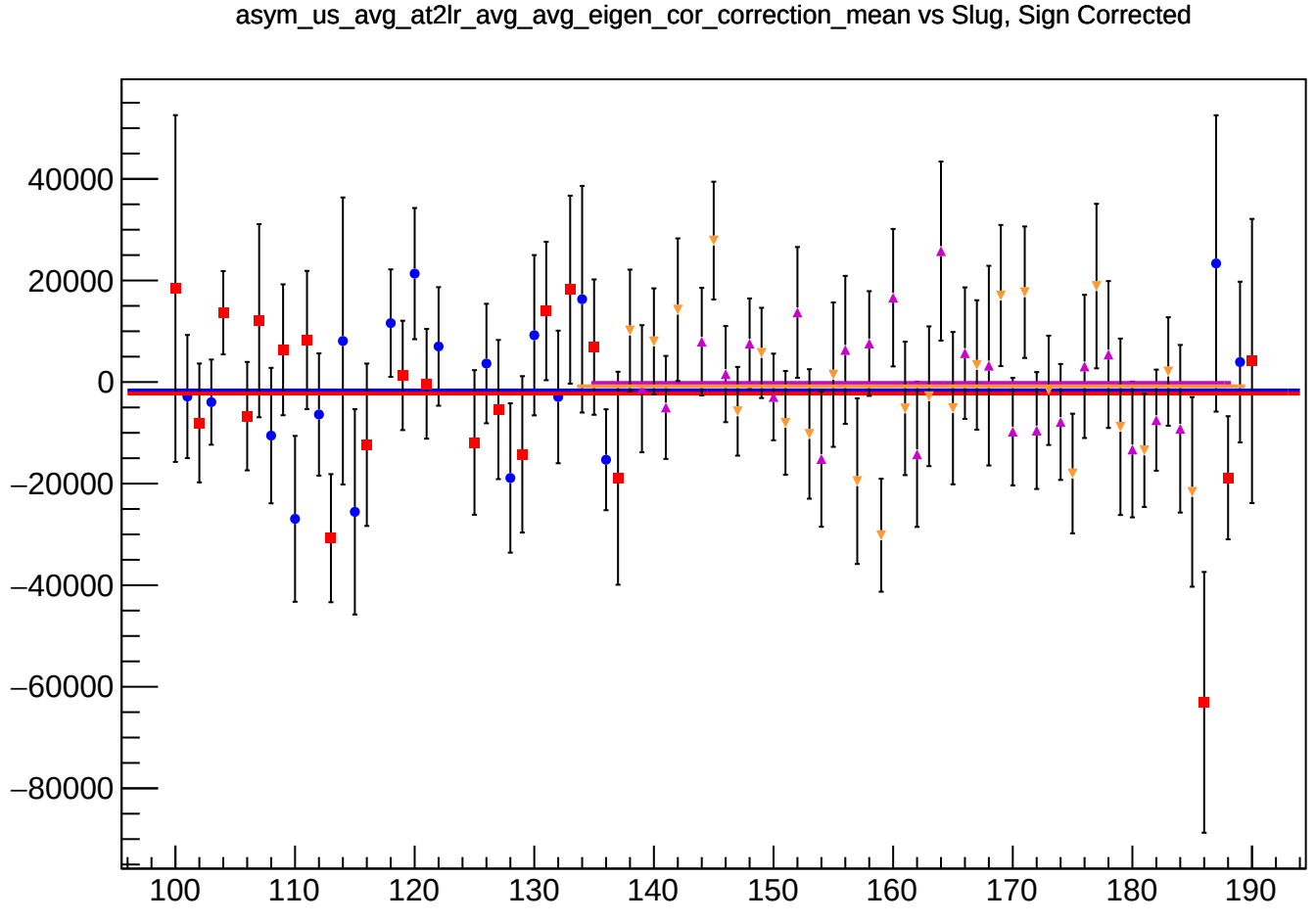
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2176.697+/-0.377 χ^2/NDF: 379024.8/38

In: 2197.695+/-0.304 χ^2/NDF:281451.7/40

Out: 2195.524+/-0.297 χ^2/NDF:270916.0/44

All: 2196.585+/-0.212 χ^2/NDF: 552393.9/85



Right In: -1656.787+/-3126.420 χ^2/NDF: 15.3/17

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2270.846+/-2966.119 χ^2/NDF: 24.2/20

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

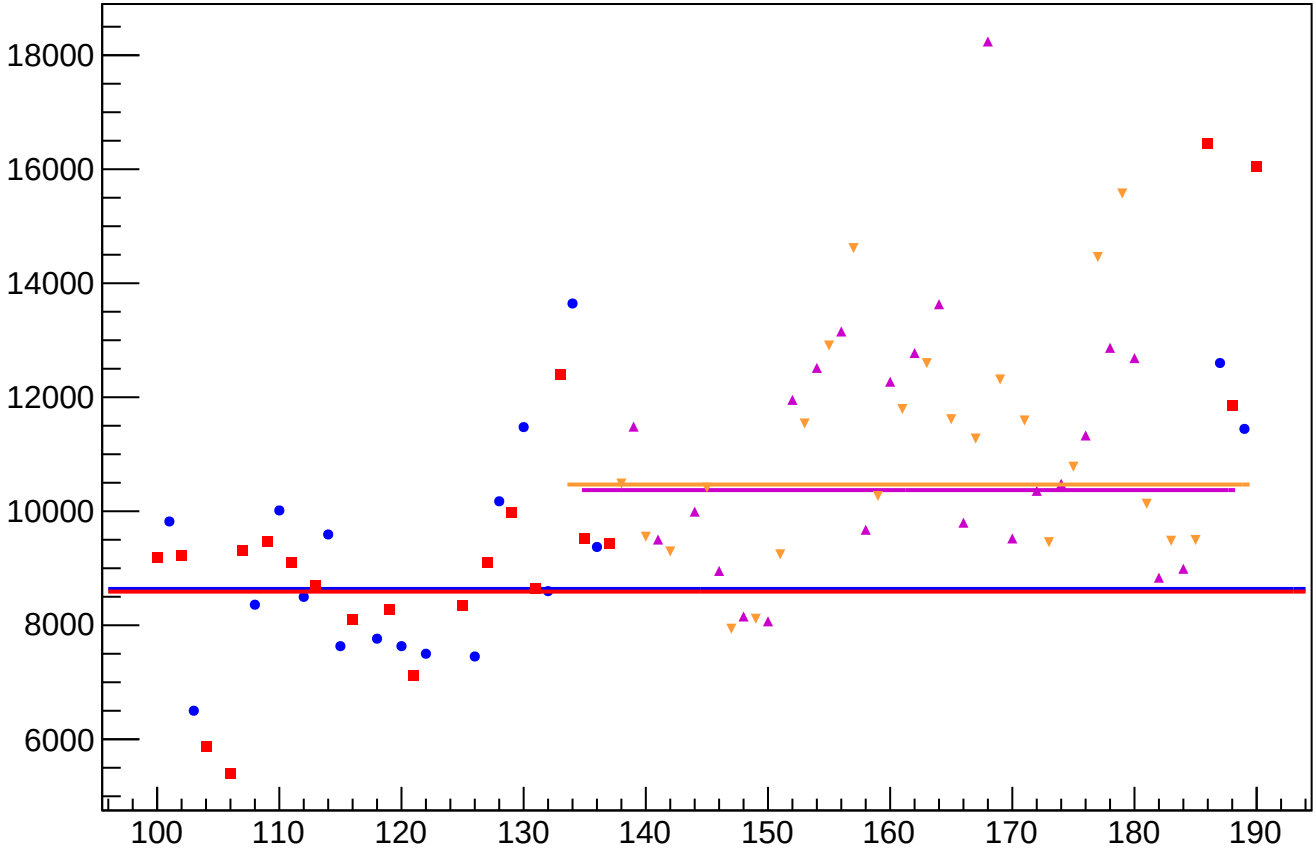
Right: -1979.962+/-2151.802 χ^2/NDF: 39.6/38

In: -749.326+/-1938.715 χ^2/NDF:29.2/40

Out: -1425.278+/-1903.252 χ^2/NDF:53.8/44

All: -1093.541+/-1358.167 χ^2/NDF: 83.1/85

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8590.167+/-2.097 χ^2/NDF: 1051791.0/20

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

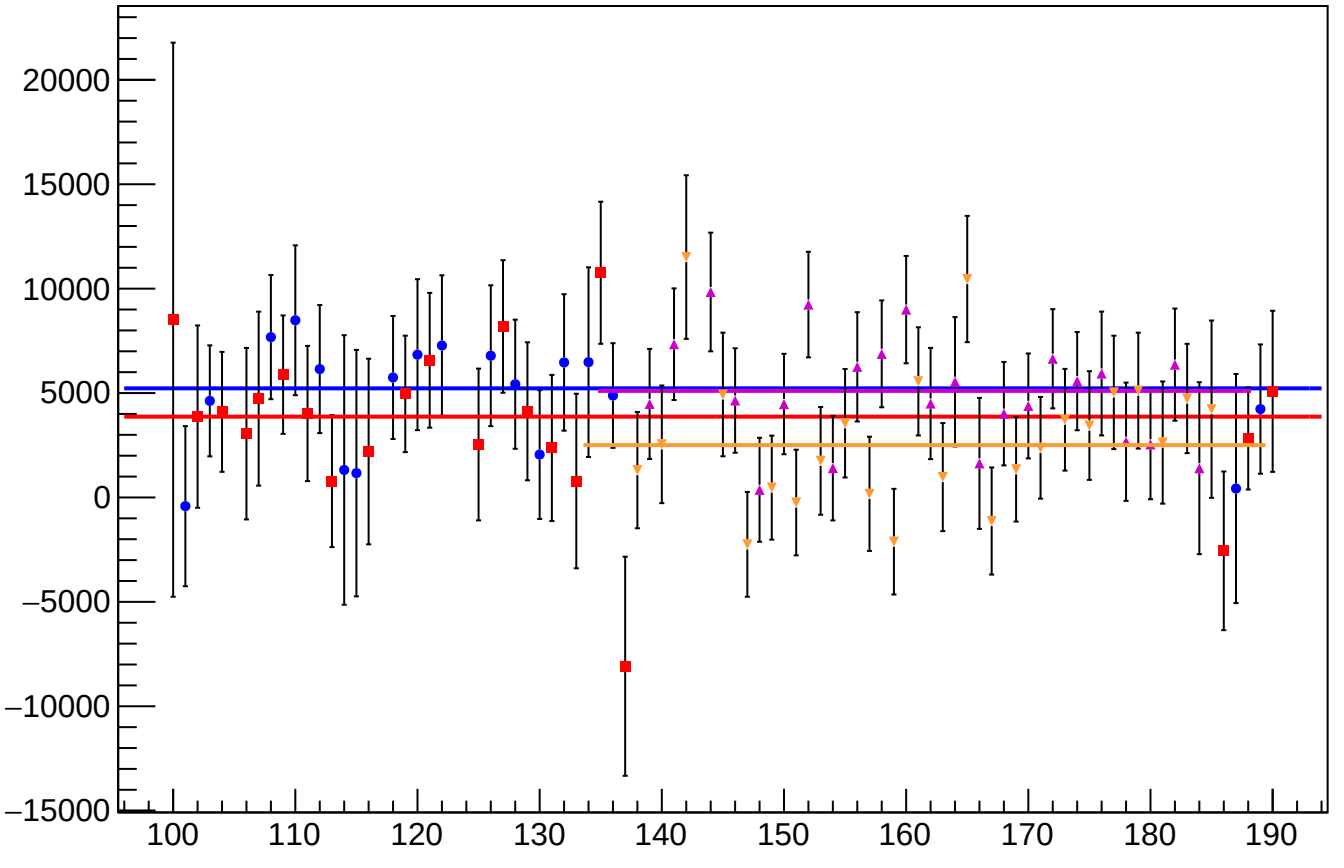
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8612.417+/-1.522 χ^2/NDF: 1586659.9/38

In: 9704.203+/-1.371 χ^2/NDF:2116935.7/40

Out: 9695.233+/-1.346 χ^2/NDF:2568954.3/44

All: 9699.635+/-0.960 χ^2/NDF: 4685911.8/85



Right In: 5225.108+/-796.486 χ^2/NDF: 7.6/17

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3870.527+/-761.759 χ^2/NDF: 17.8/20

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

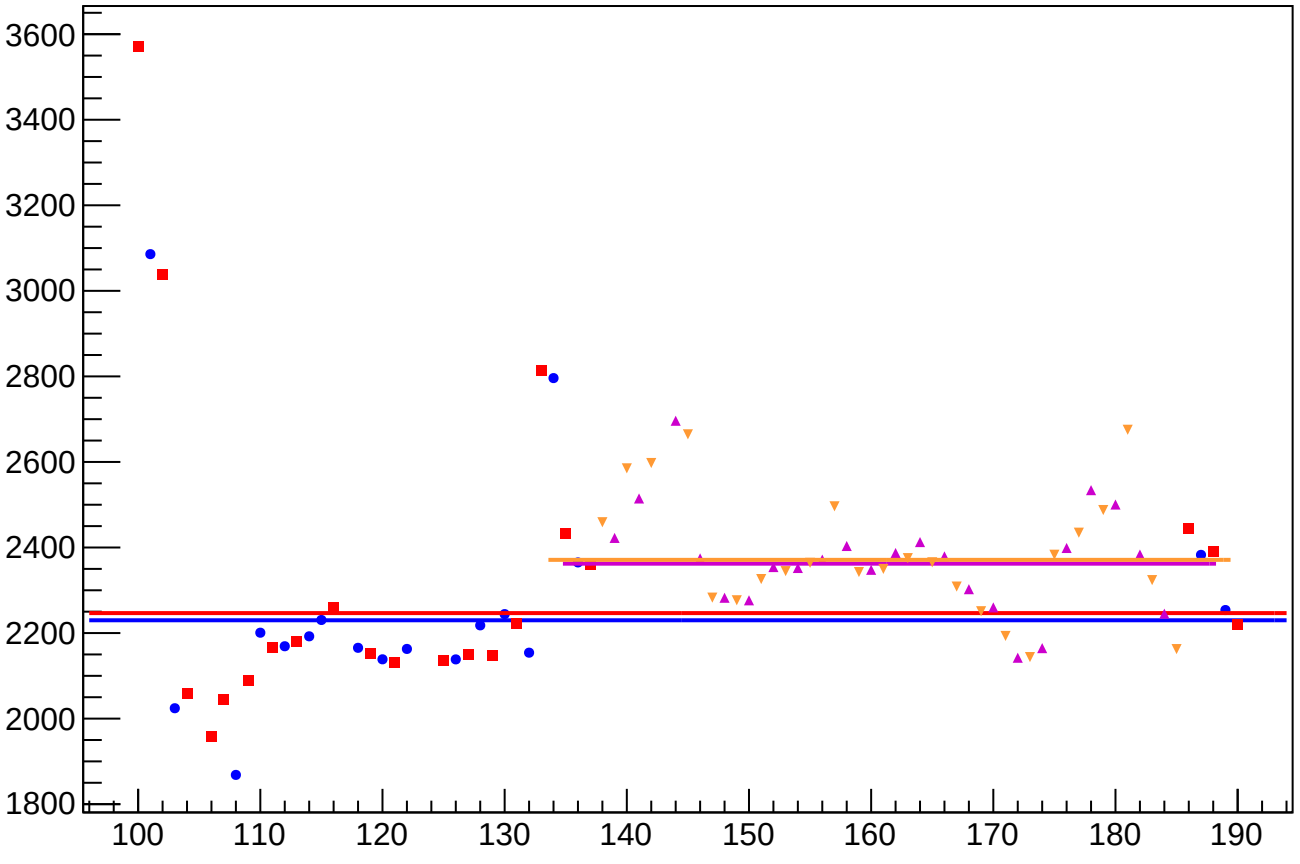
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4517.645+/-550.513 χ^2/NDF: 27.0/38

In: 5142.672+/-454.017 χ^2/NDF:27.6/40

Out: 2977.321+/-446.770 χ^2/NDF:49.7/44

All: 4042.576+/-318.445 χ^2/NDF: 88.8/85



Right In: 2229.882+/-0.563 χ^2/NDF: 186433.1/17

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2246.672+/-0.538 χ^2/NDF: 184181.9/20

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

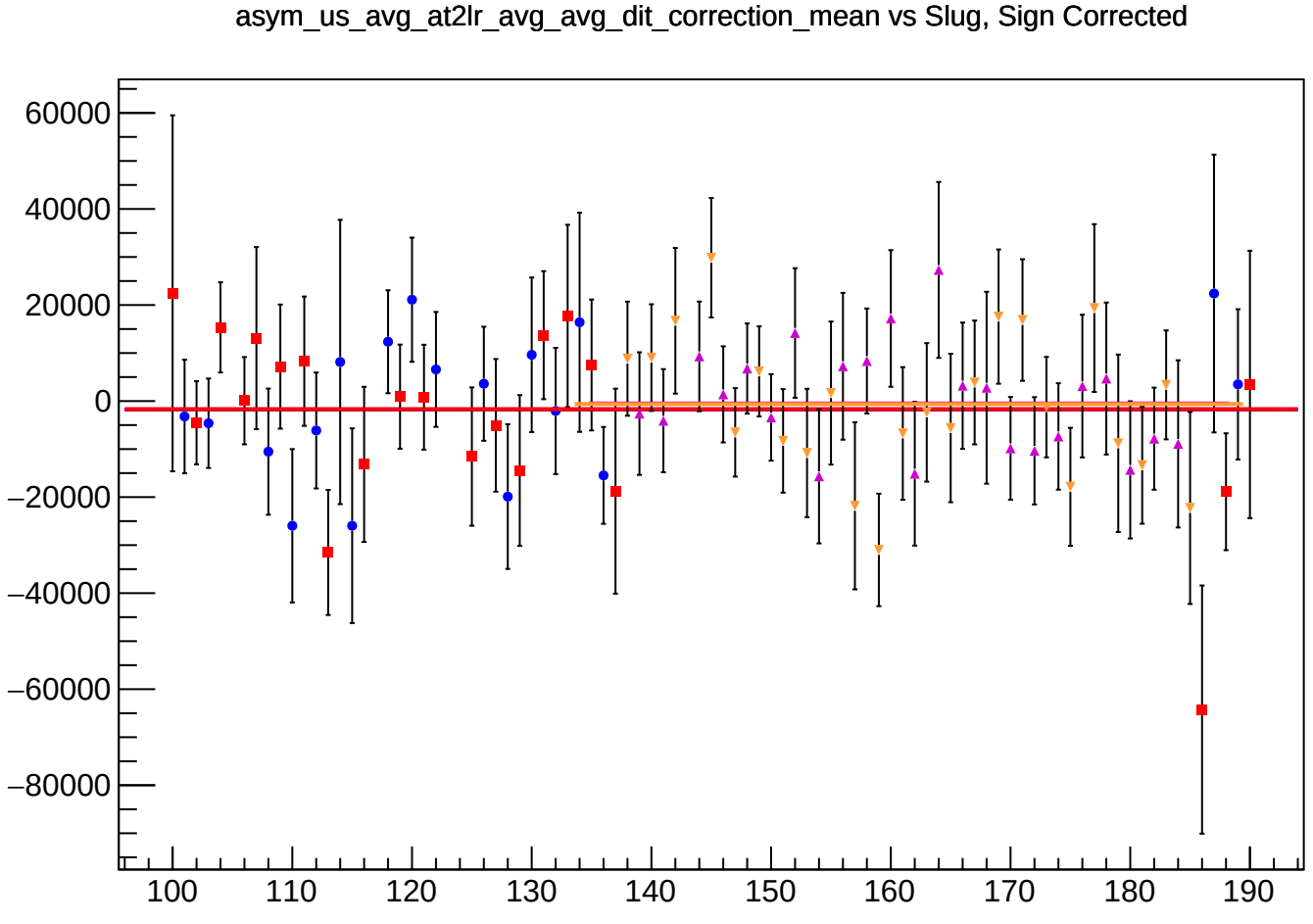
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

Right: 2238.655+/-0.389 χ^2/NDF: 371079.4/38

In: 2319.218+/-0.321 χ^2/NDF:315601.8/40

Out: 2328.295+/-0.316 χ^2/NDF:335529.0/44

All: 2323.830+/-0.225 χ^2/NDF: 651537.0/85



Right In: -1741.167+/-3183.028 χ^2/NDF: 15.3/17

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -1694.476+/-2910.127 χ^2/NDF: 23.9/20

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

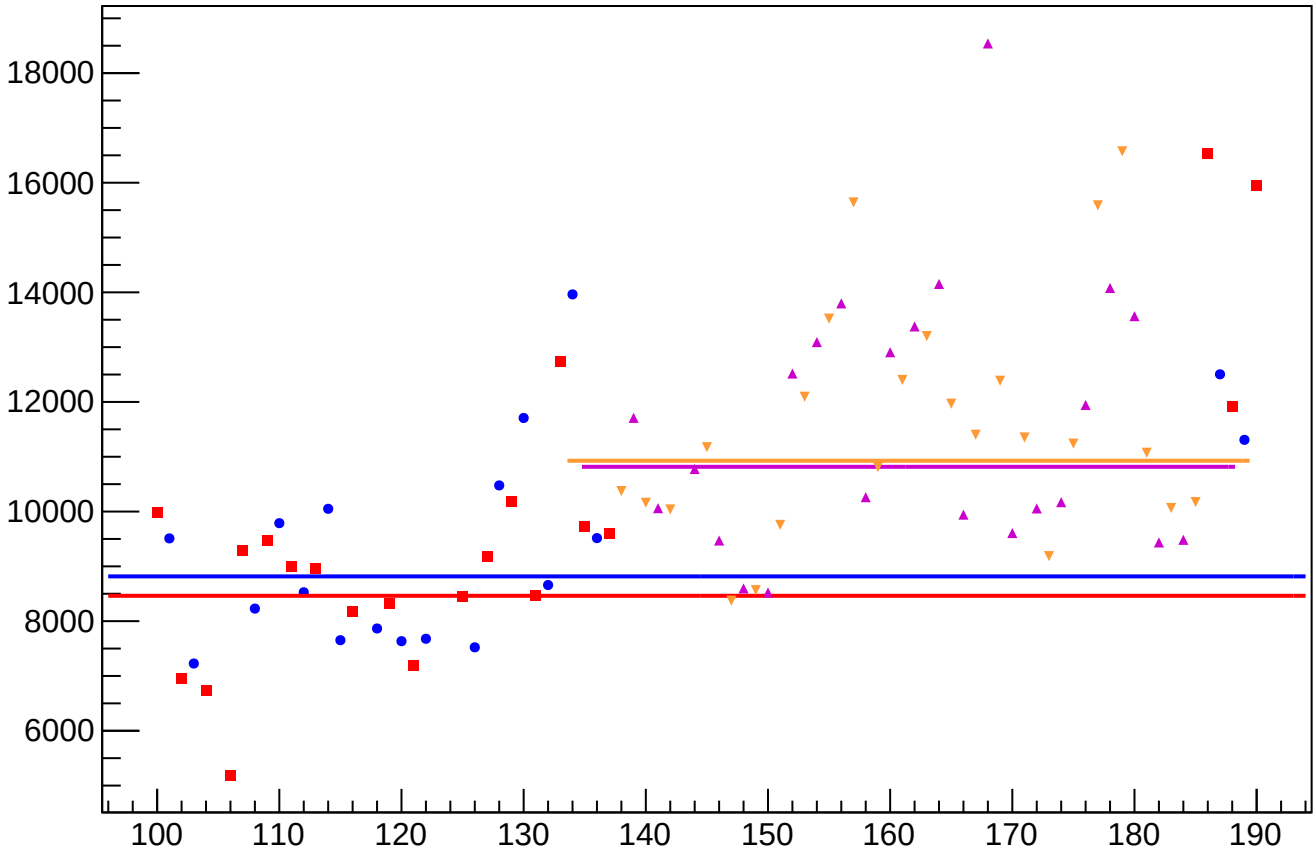
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -1715.734+/-2147.781 χ^2/NDF: 39.2/38

In: -985.462+/-2002.979 χ^2/NDF:29.0/40

Out: -1088.356+/-1934.693 χ^2/NDF:52.9/44

All: -1038.693+/-1391.550 χ^2/NDF: 81.8/85



Right In: 8816.870+/-2.251 χ^2/NDF: 445747.3/17

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 8462.953+/-2.058 χ^2/NDF: 1097431.0/20

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

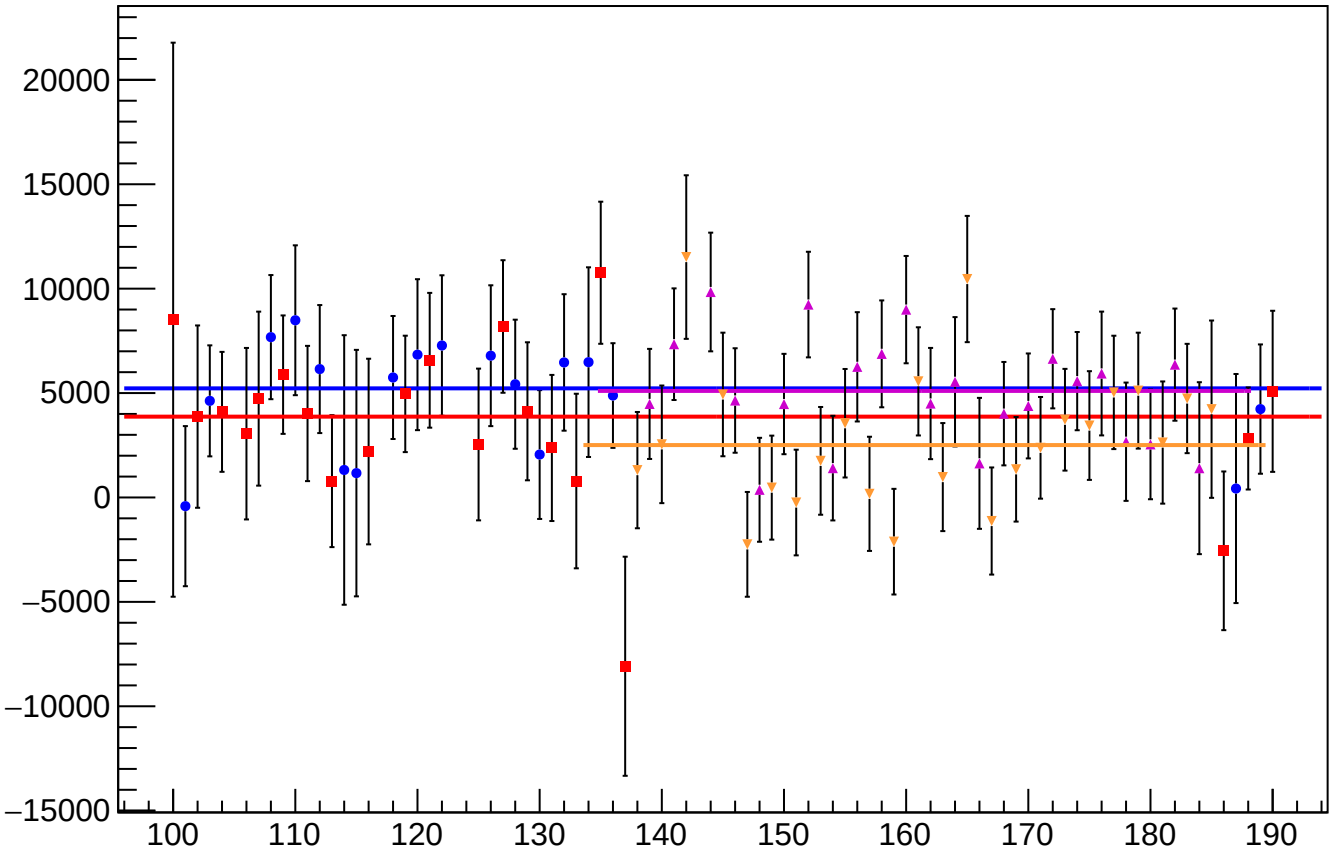
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 8624.092+/-1.519 χ^2/NDF: 1556646.4/38

In: 10024.580+/-1.416 χ^2/NDF:2119243.1/40

Out: 9837.869+/-1.368 χ^2/NDF:2954792.2/44

All: 9927.988+/-0.984 χ^2/NDF: 5083026.0/85



Right In: 5225.110+/-796.485 χ^2/NDF: 7.6/17

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3870.529+/-761.759 χ^2/NDF: 17.8/20

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

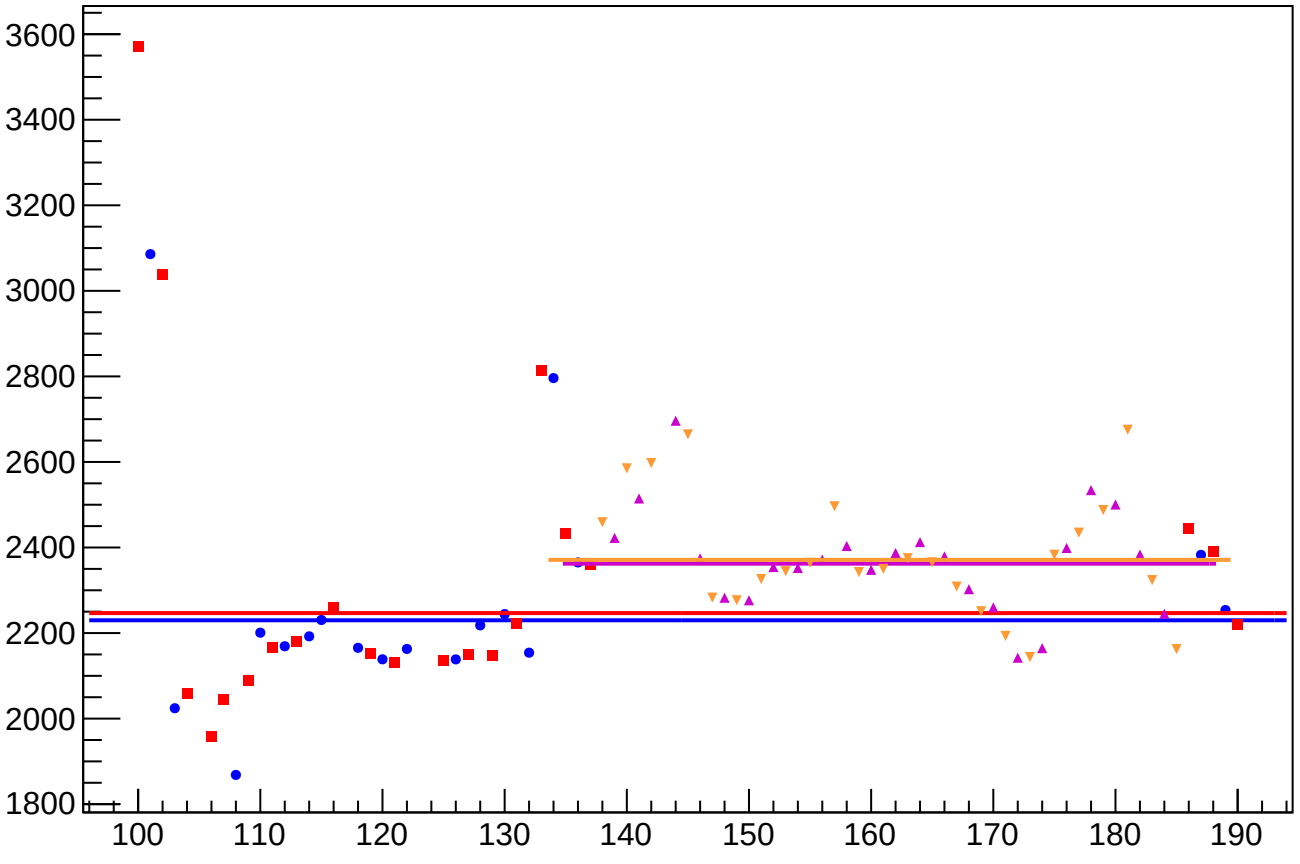
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4517.647+/-550.512 χ^2/NDF: 27.0/38

In: 5142.674+/-454.017 χ^2/NDF:27.6/40

Out: 2977.314+/-446.770 χ^2/NDF:49.7/44

All: 4042.574+/-318.446 χ^2/NDF: 88.8/85



Right In: 2229.881+/-0.563 χ^2/NDF: 186433.3/17

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2246.671+/-0.538 χ^2/NDF: 184181.8/20

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

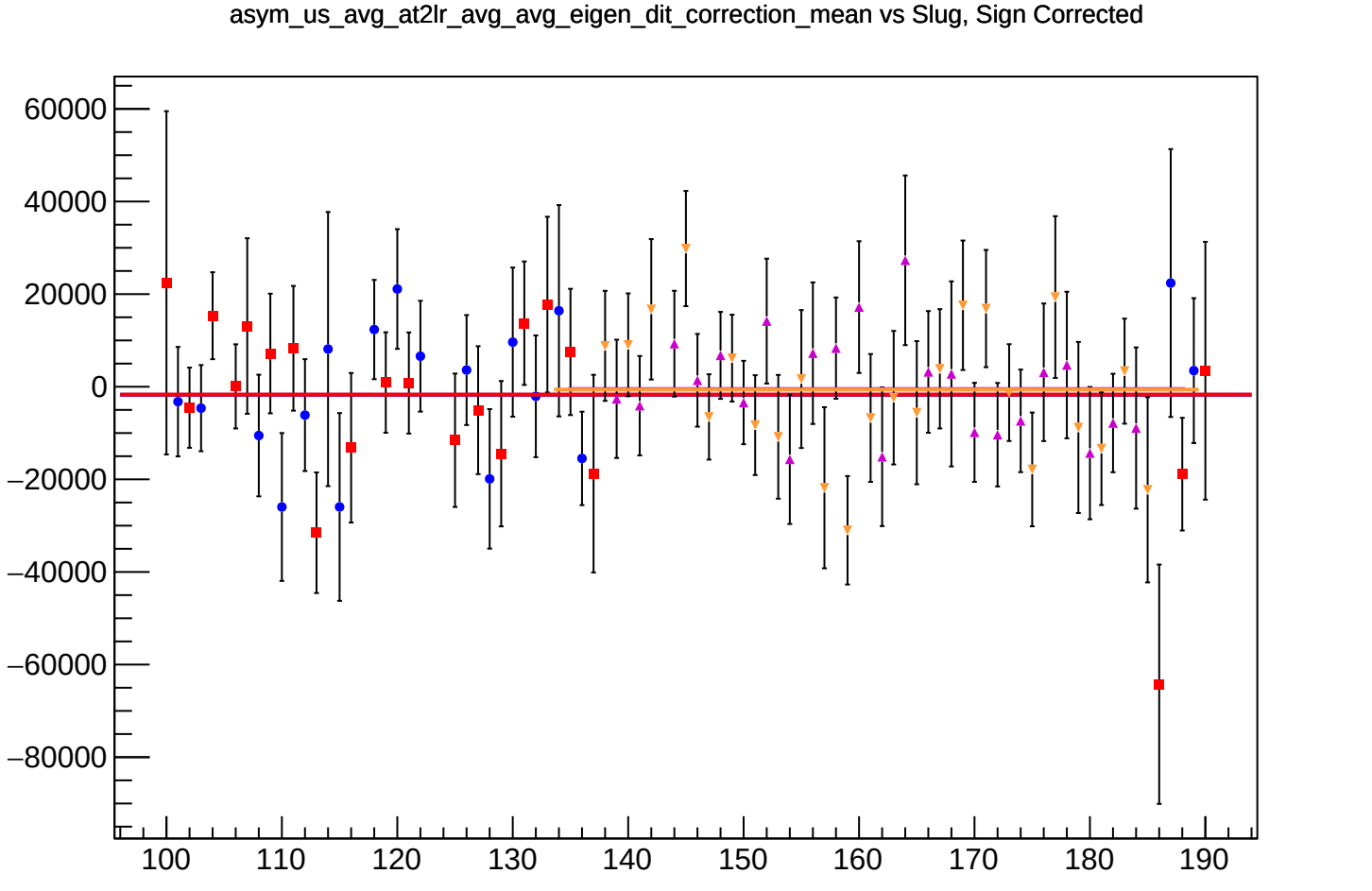
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2238.654+/-0.389 χ^2/NDF: 371079.5/38

In: 2319.220+/-0.321 χ^2/NDF:315608.9/40

Out: 2328.297+/-0.316 χ^2/NDF:335535.5/44

All: 2323.832+/-0.225 χ^2/NDF: 651550.6/85



Right In: -1741.149+/-3183.021 χ^2/NDF: 15.3/17

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -1694.463+/-2910.121 χ^2/NDF: 23.9/20

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

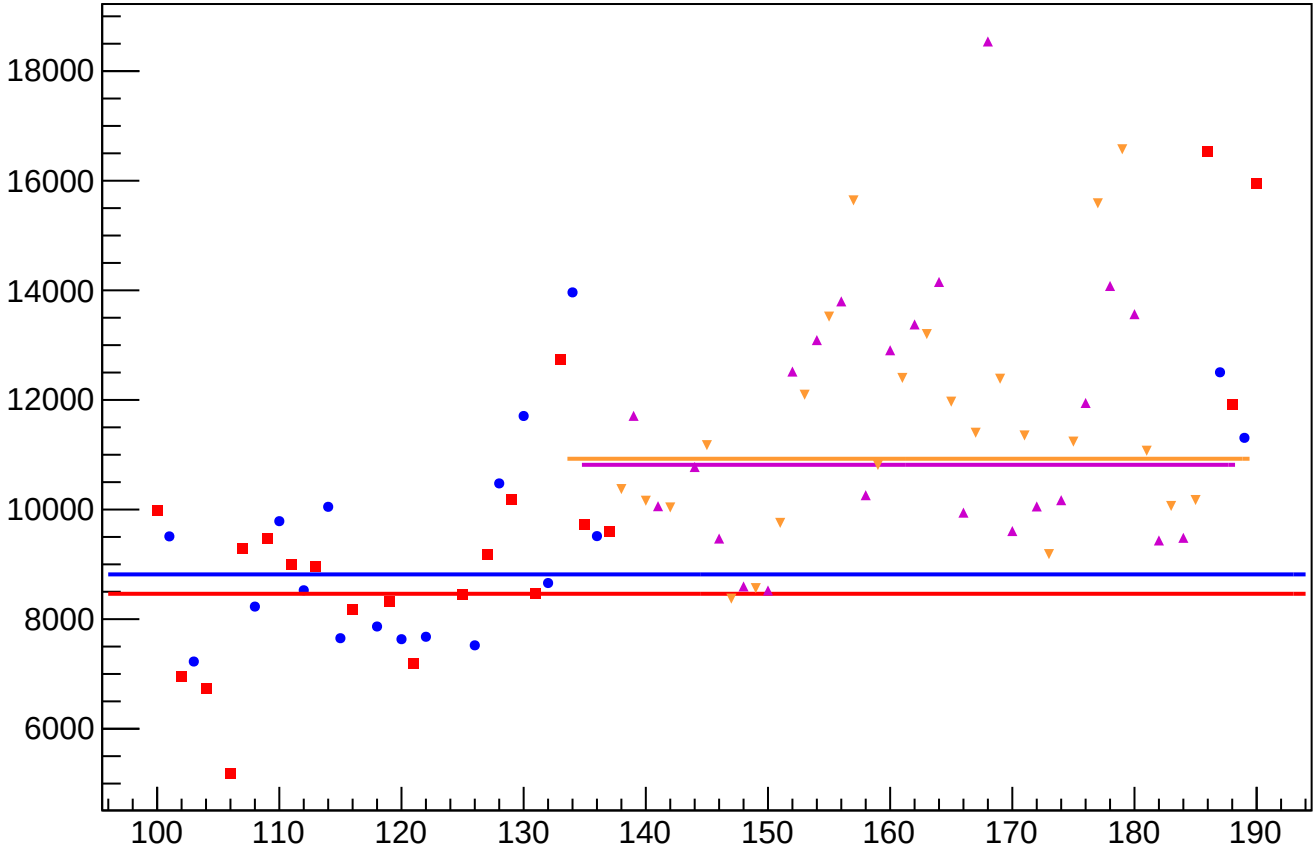
Right: -1715.719+/-2147.777 χ^2/NDF: 39.2/38

In: -985.459+/-2002.979 χ^2/NDF:29.0/40

Out: -1088.356+/-1934.693 χ^2/NDF:52.9/44

All: -1038.692+/-1391.550 χ^2/NDF: 81.8/85

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8816.850+/-2.251 χ^2/NDF: 445751.5/17

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8462.936+/-2.058 χ^2/NDF: 1097432.8/20

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

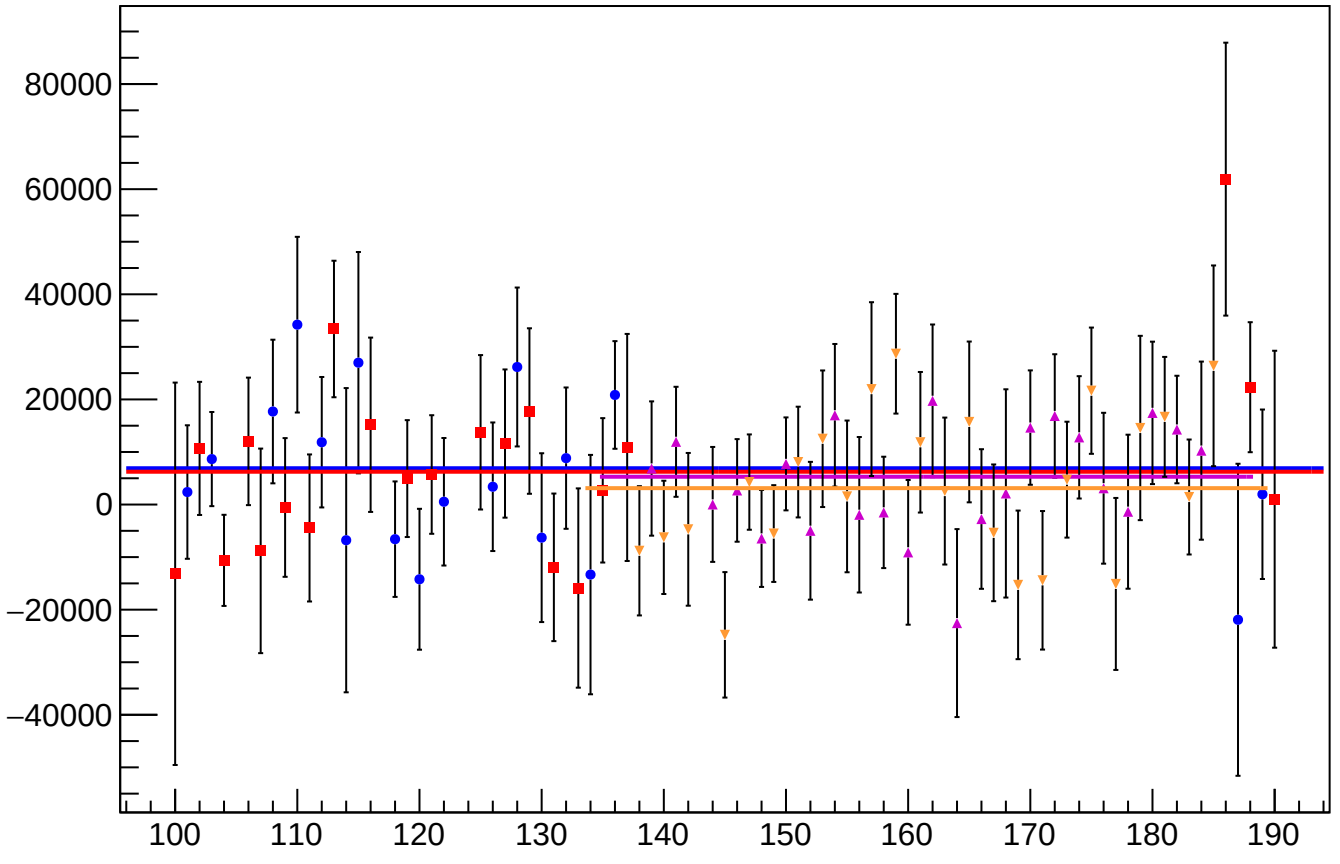
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 8624.073+/-1.519 χ^2/NDF: 1556652.2/38

In: 10024.579+/-1.416 χ^2/NDF:2119269.2/40

Out: 9837.866+/-1.368 χ^2/NDF:2954820.1/44

All: 9927.986+/-0.984 χ^2/NDF: 5083080.1/85



Right In: 6907.344+/-3242.488 χ^2/NDF: 15.1/17

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 6243.111+/-3095.197 χ^2/NDF: 21.0/20

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

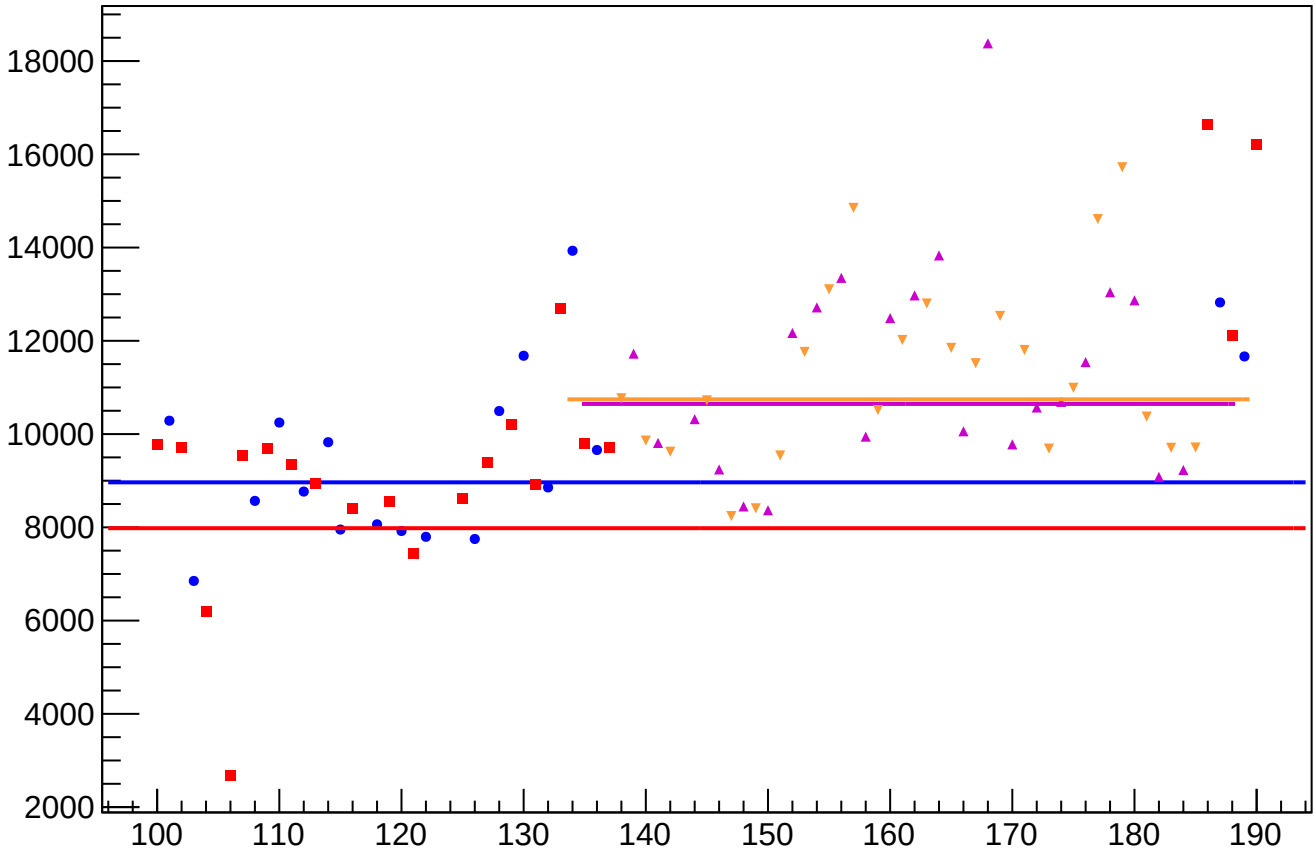
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 6559.799+/-2238.895 χ^2/NDF: 36.1/38

In: 5903.388+/-1996.121 χ^2/NDF:28.6/40

Out: 4378.002+/-1964.815 χ^2/NDF:49.0/44

All: 5128.640+/-1400.271 χ^2/NDF: 77.9/85



Right In: 8964.923+/-2.293 χ^2/NDF: 489303.4/17

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 7981.739+/-2.044 χ^2/NDF: 2316746.5/20

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

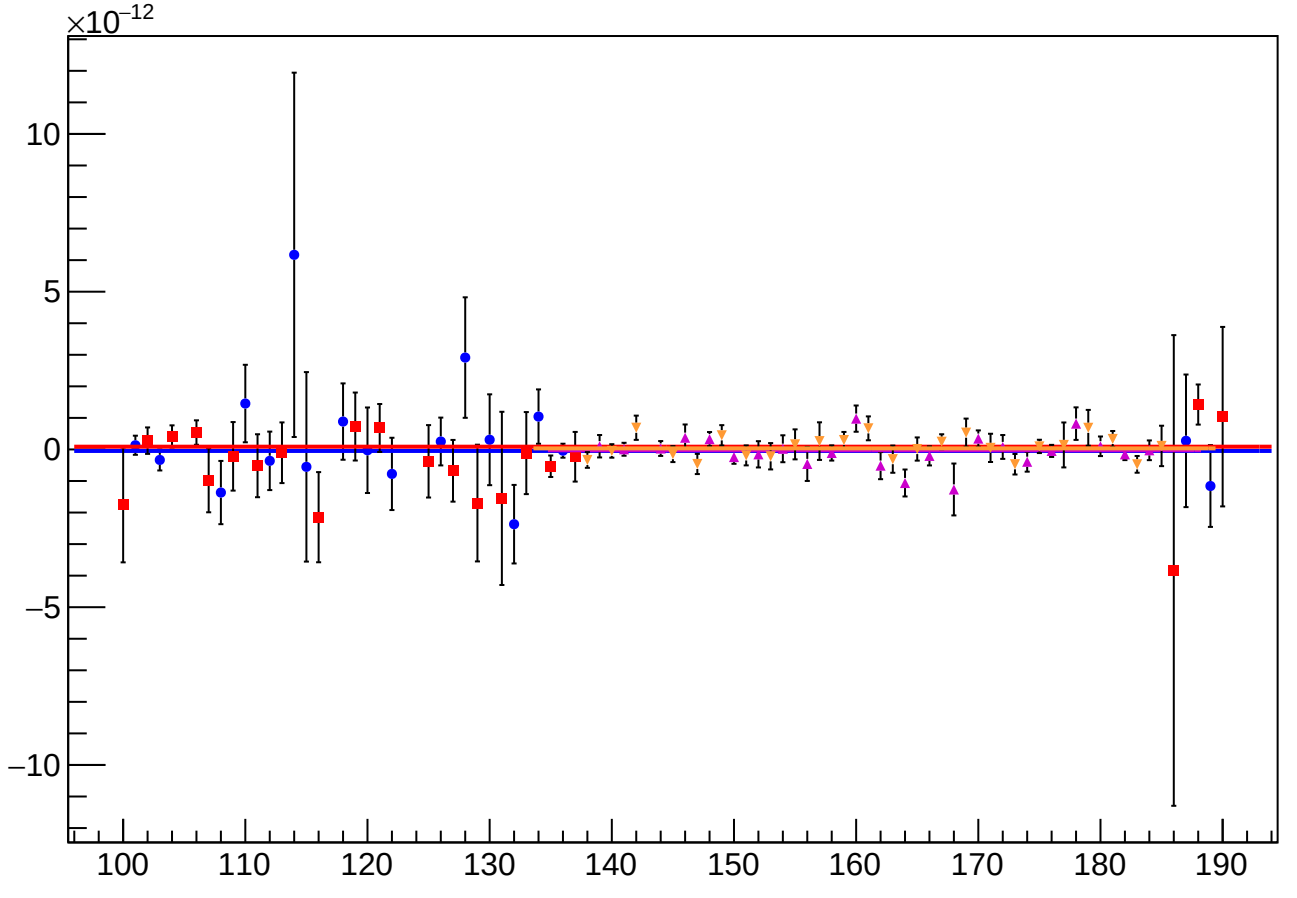
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 8417.160+/-1.526 χ^2/NDF: 2908499.6/38

In: 10009.192+/-1.411 χ^2/NDF:1937412.9/40

Out: 9539.822+/-1.350 χ^2/NDF:4311824.5/44

All: 9764.081+/-0.976 χ^2/NDF: 6306985.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

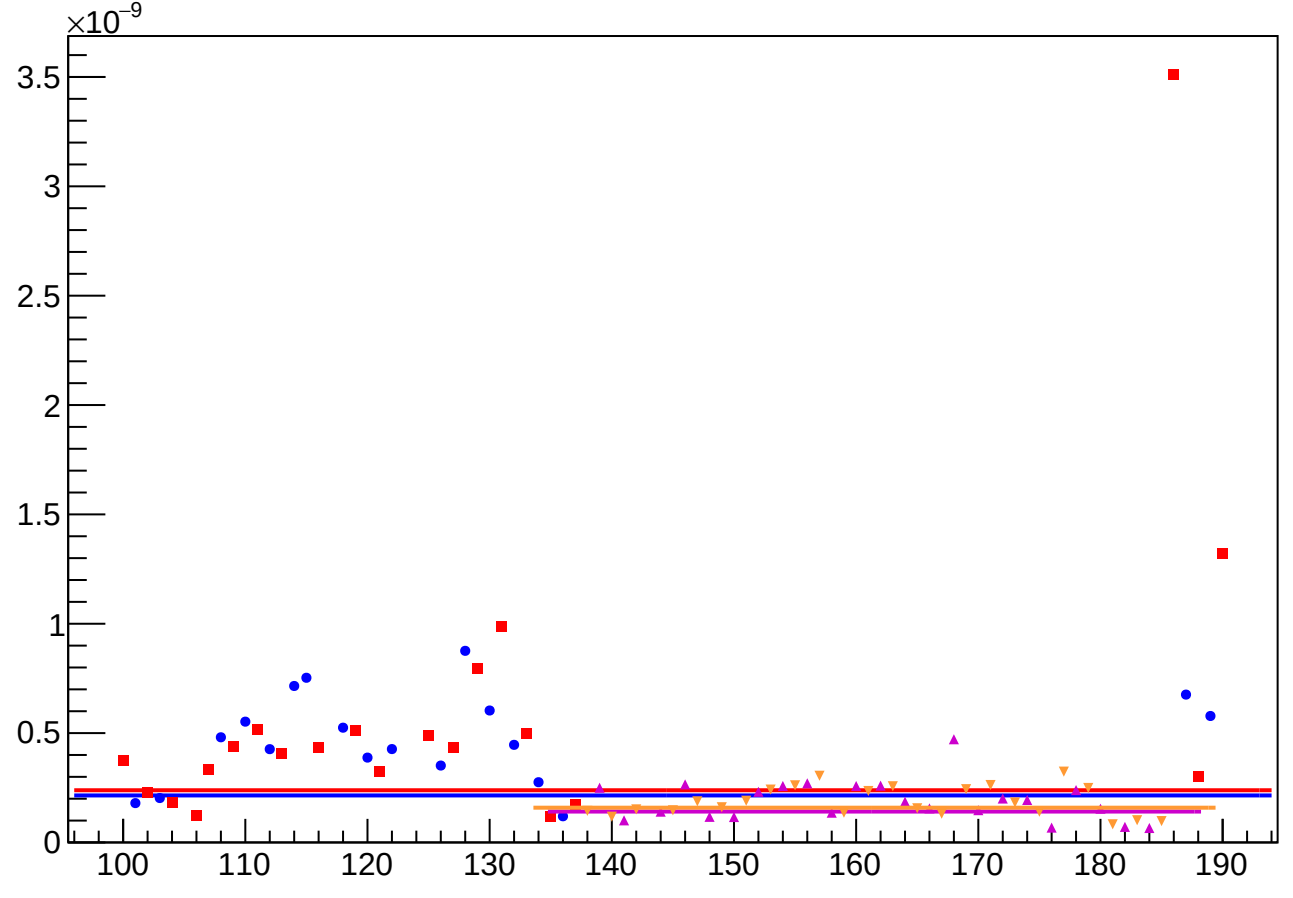
Right: 0.000+/-0.000 χ^2/NDF: 34.3/38

In: -0.000+/-0.000 χ^2/NDF:43.0/40

Out: 0.000+/-0.000 χ^2/NDF:45.2/44

All: 0.000+/-0.000 χ^2/NDF: 88.9/85

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1889810.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2259712.5/20

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

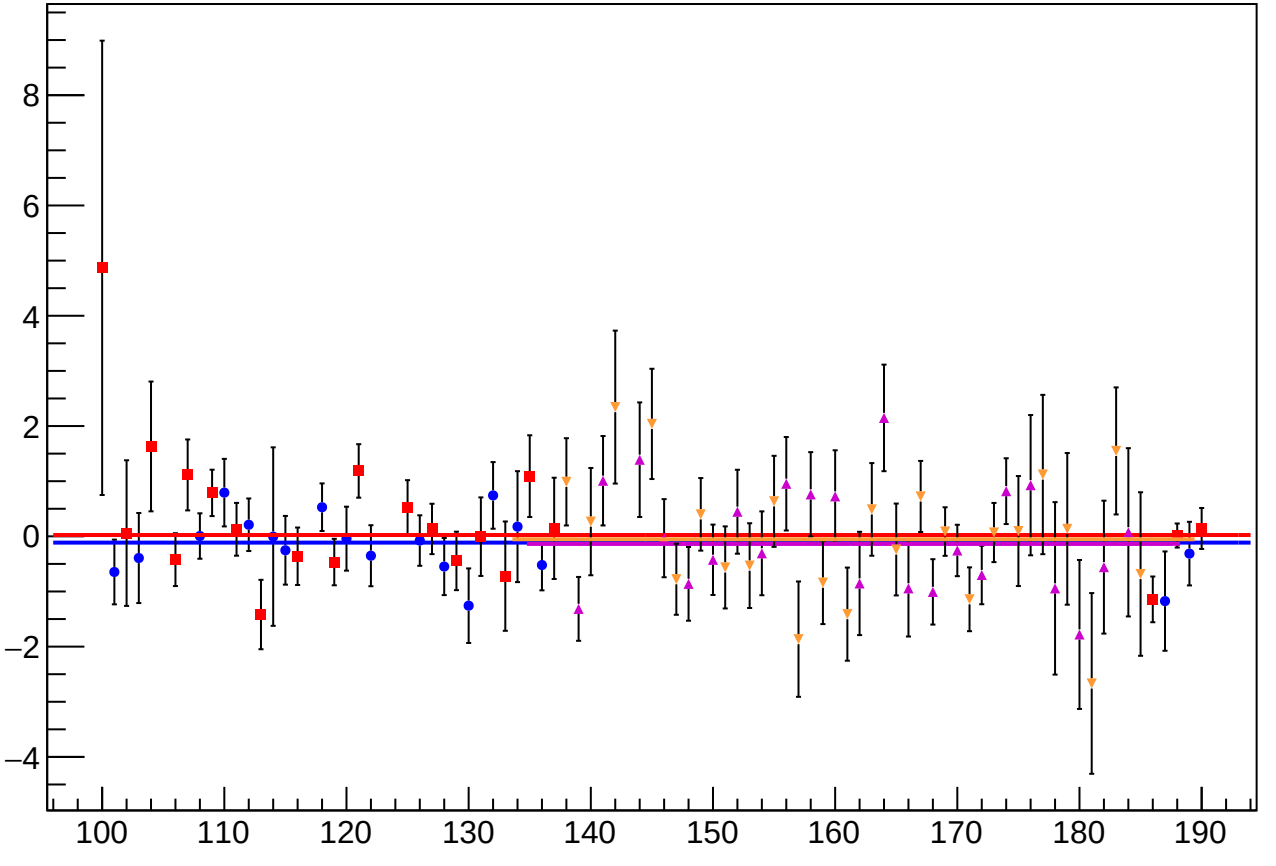
Right: 0.000+/-0.000 χ^2/NDF: 4175790.7/38

In: 0.000+/-0.000 χ^2/NDF:4749072.8/40

Out: 0.000+/-0.000 χ^2/NDF:4022563.4/44

All: 0.000+/-0.000 χ^2/NDF: 8874210.5/85

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

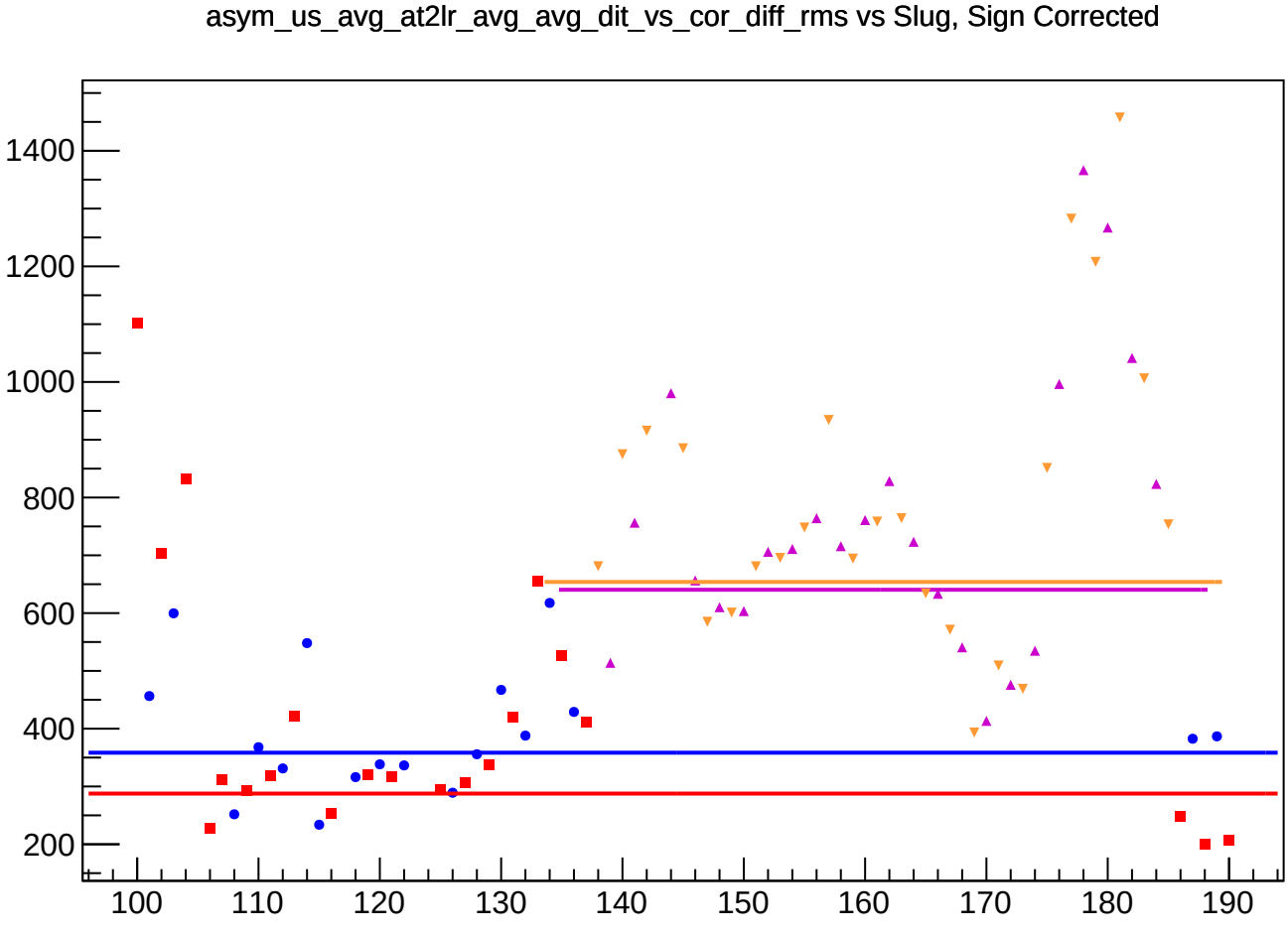
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.030+/-0.084 χ^2/NDF: 50.4/38

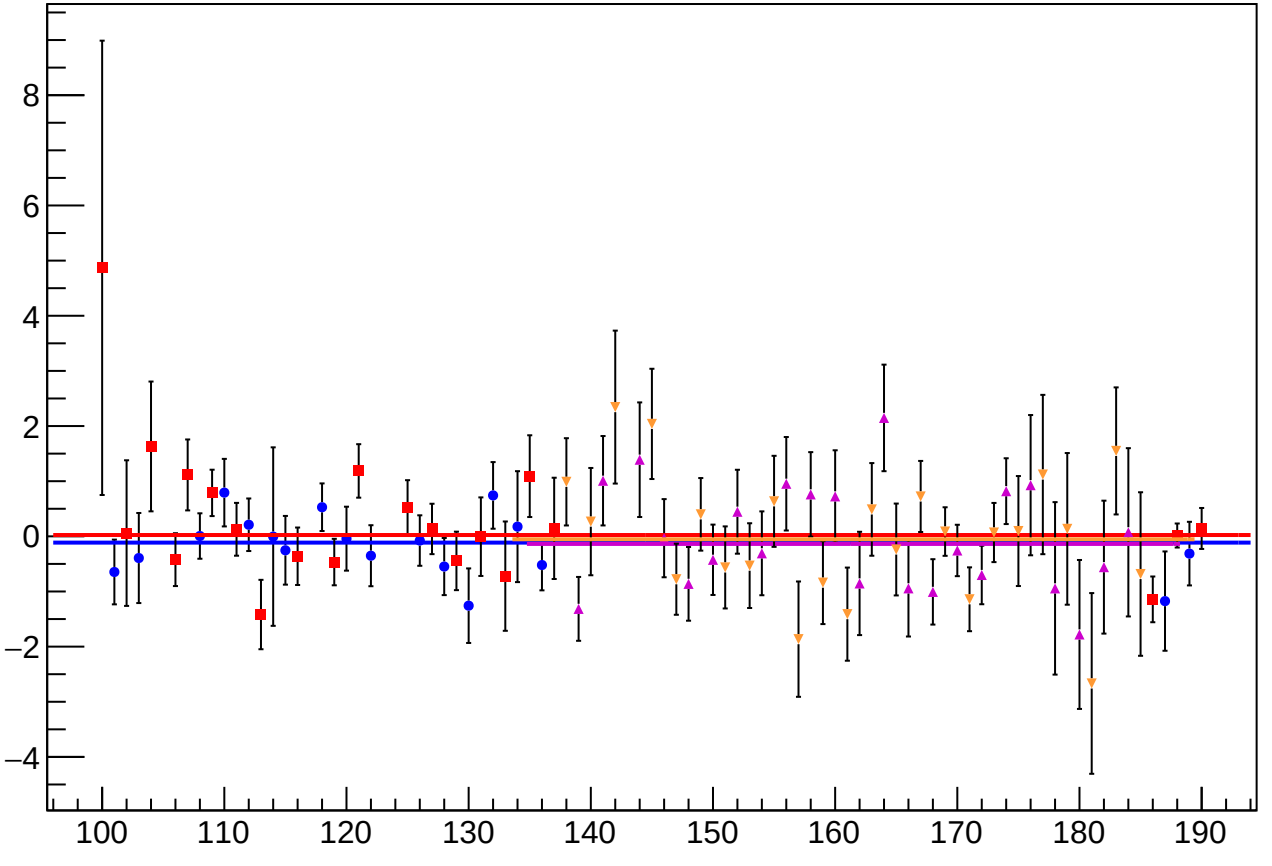
In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.054+/-0.067 χ^2/NDF: 110.9/85


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 358.438+/-0.095 χ²/NDF: 791880.3/17
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 287.700+/-0.076 χ²/NDF: 1911710.8/20
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 315.271+/-0.059 χ²/NDF: 3041516.9/38
In: 476.958+/-0.072 χ²/NDF:7137949.9/40
Out: 400.223+/-0.063 χ²/NDF:12176276.2/44
All: 433.441+/-0.048 χ²/NDF: 19951745.7/85

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

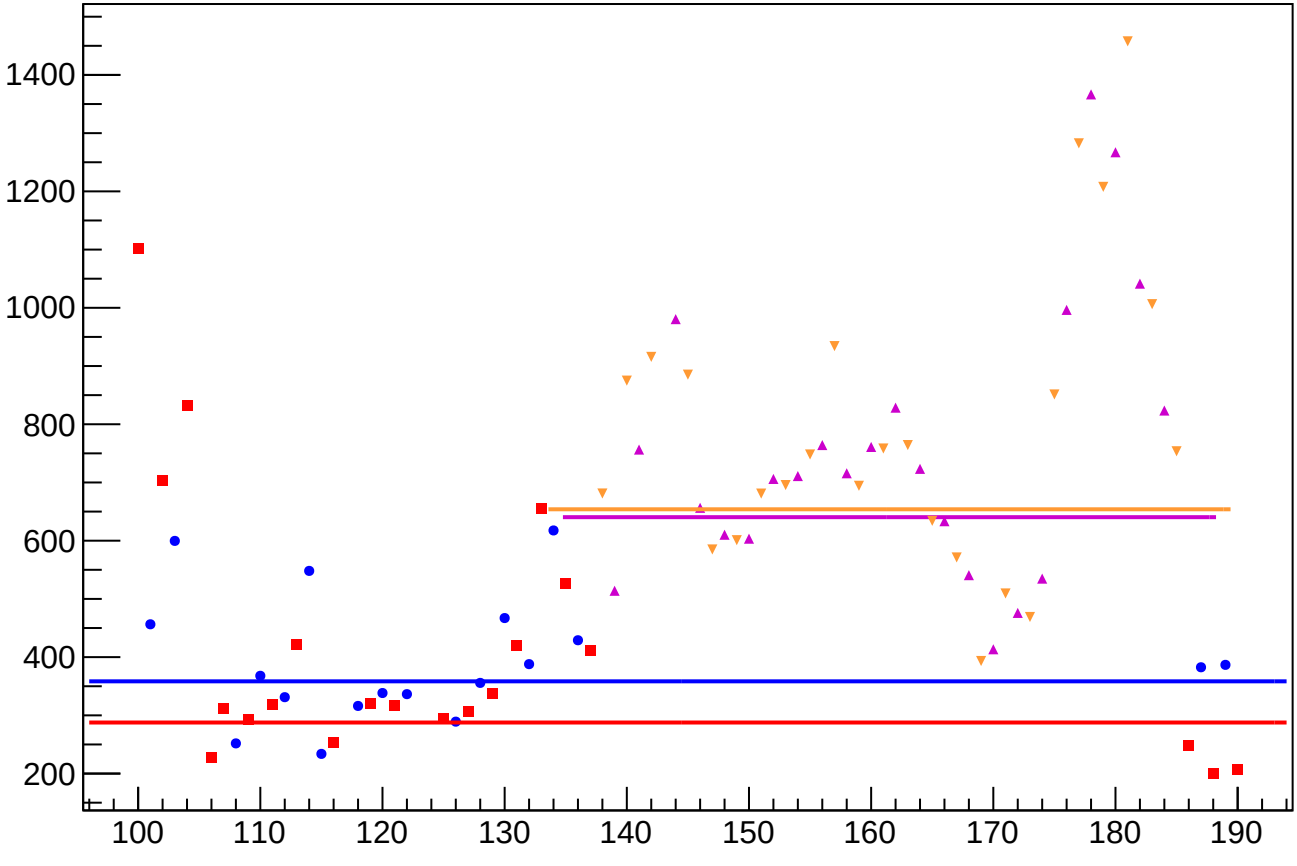
Right: -0.030+/-0.084 χ^2/NDF: 50.4/38

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.054+/-0.067 χ^2/NDF: 110.9/85

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 358.438+/-0.095 χ^2/NDF: 791880.3/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 287.700+/-0.076 χ^2/NDF: 1911710.8/20

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

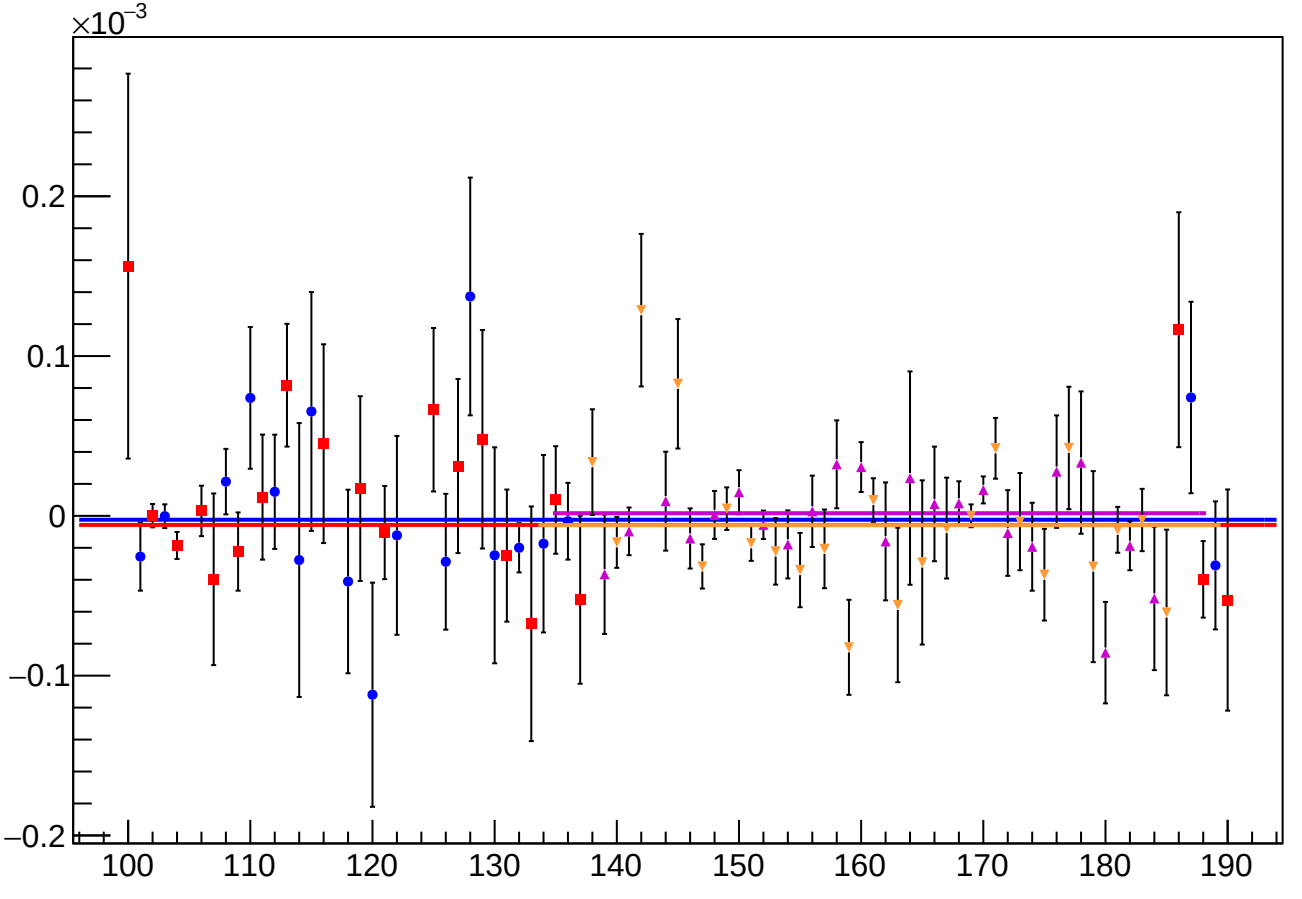
Right: 315.271+/-0.059 χ^2/NDF: 3041516.9/38

In: 476.958+/-0.072 χ^2/NDF:7137949.9/40

Out: 400.223+/-0.063 χ^2/NDF:12176276.2/44

All: 433.441+/-0.048 χ^2/NDF: 19951745.7/85

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/20

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

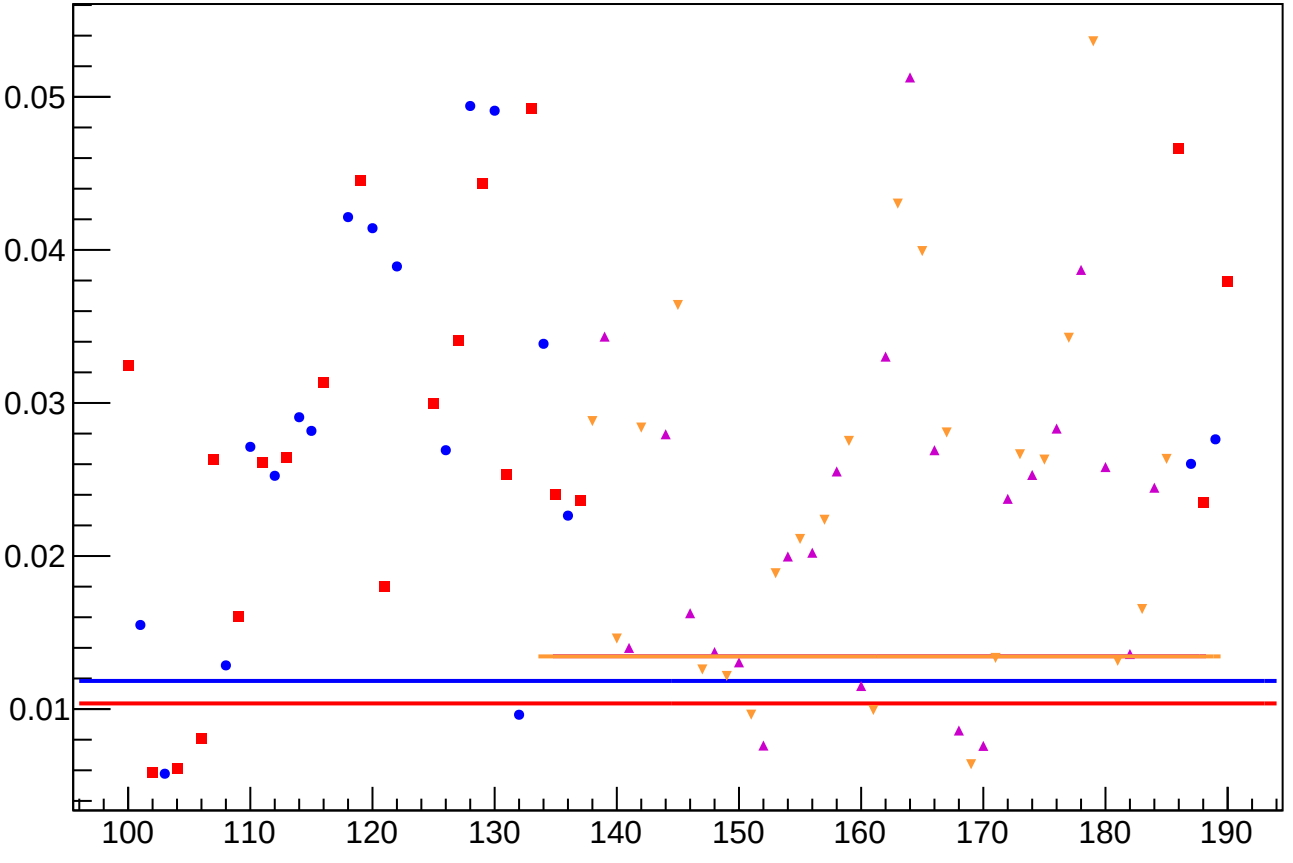
Right: -0.000+/-0.000 χ^2/NDF: 39.8/38

In: 0.000+/-0.000 χ^2/NDF:43.2/40

Out: -0.000+/-0.000 χ^2/NDF:65.0/44

All: -0.000+/-0.000 χ^2/NDF: 110.2/85

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 5934958.5/17

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.010+/-0.000 χ^2/NDF: 7247056.3/20

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

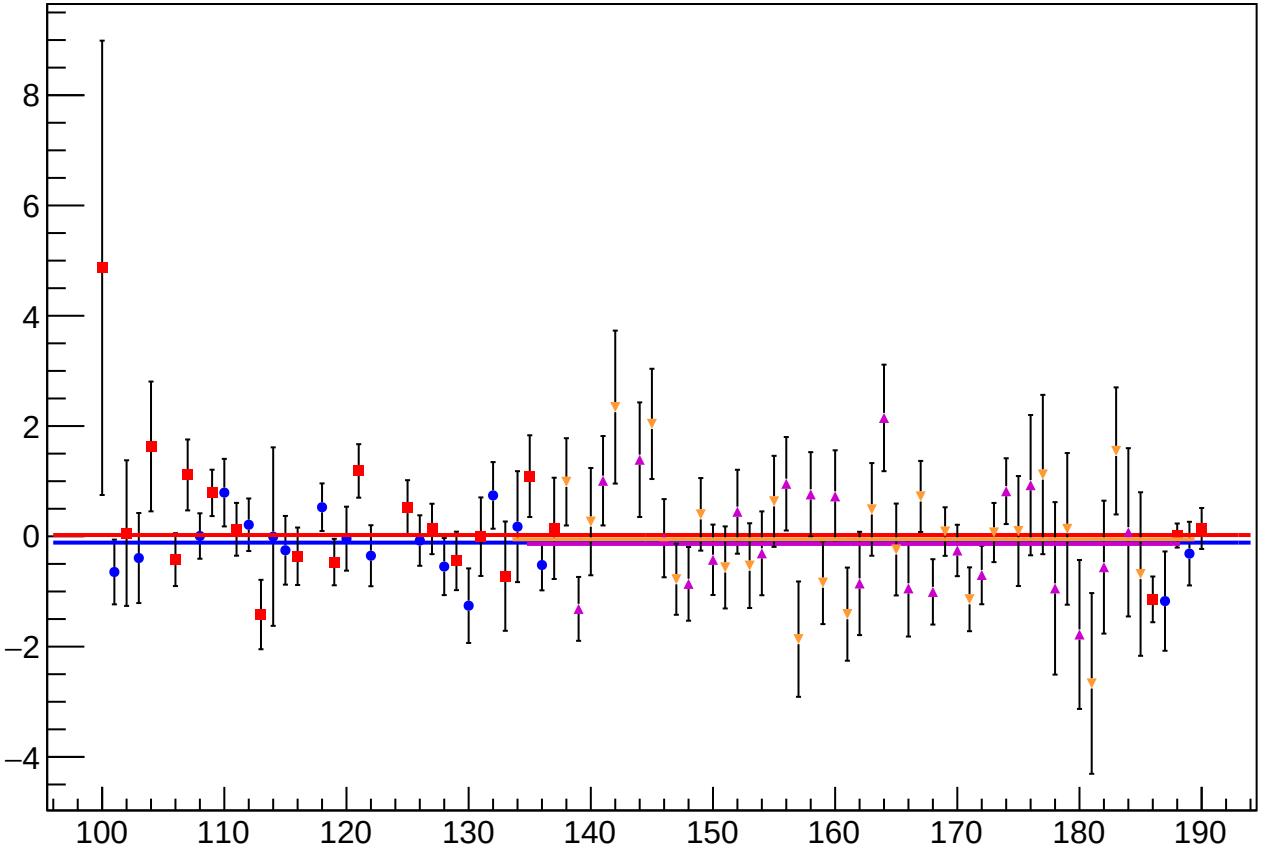
Right: 0.011+/-0.000 χ^2/NDF: 13266018.5/38

In: 0.013+/-0.000 χ^2/NDF:13601976.9/40

Out: 0.012+/-0.000 χ^2/NDF:16641850.7/44

All: 0.013+/-0.000 χ^2/NDF: 30300082.4/85

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

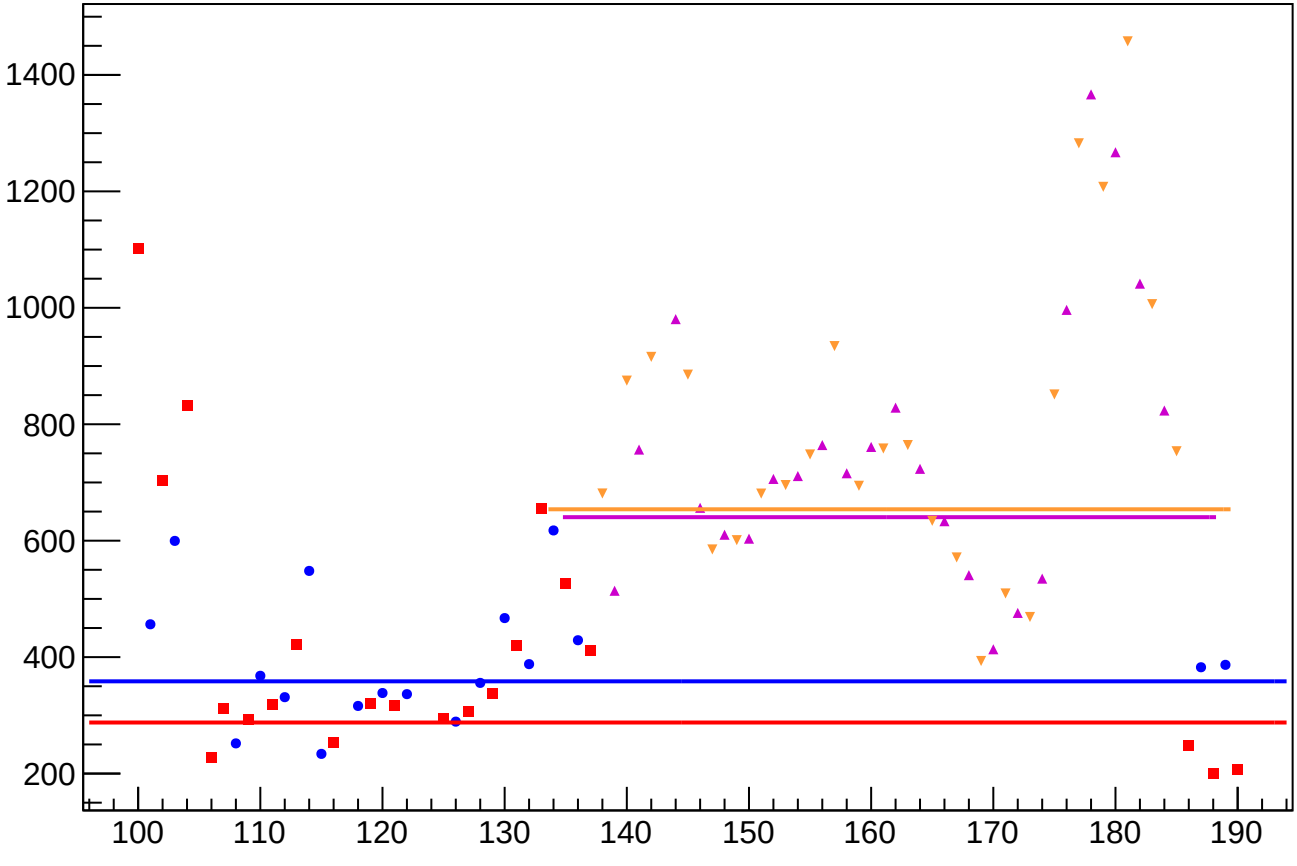
Right: -0.030+/-0.084 χ^2/NDF: 50.4/38

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.054+/-0.067 χ^2/NDF: 110.9/85

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 287.694+/-0.076 χ^2/NDF: 1911782.7/20

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

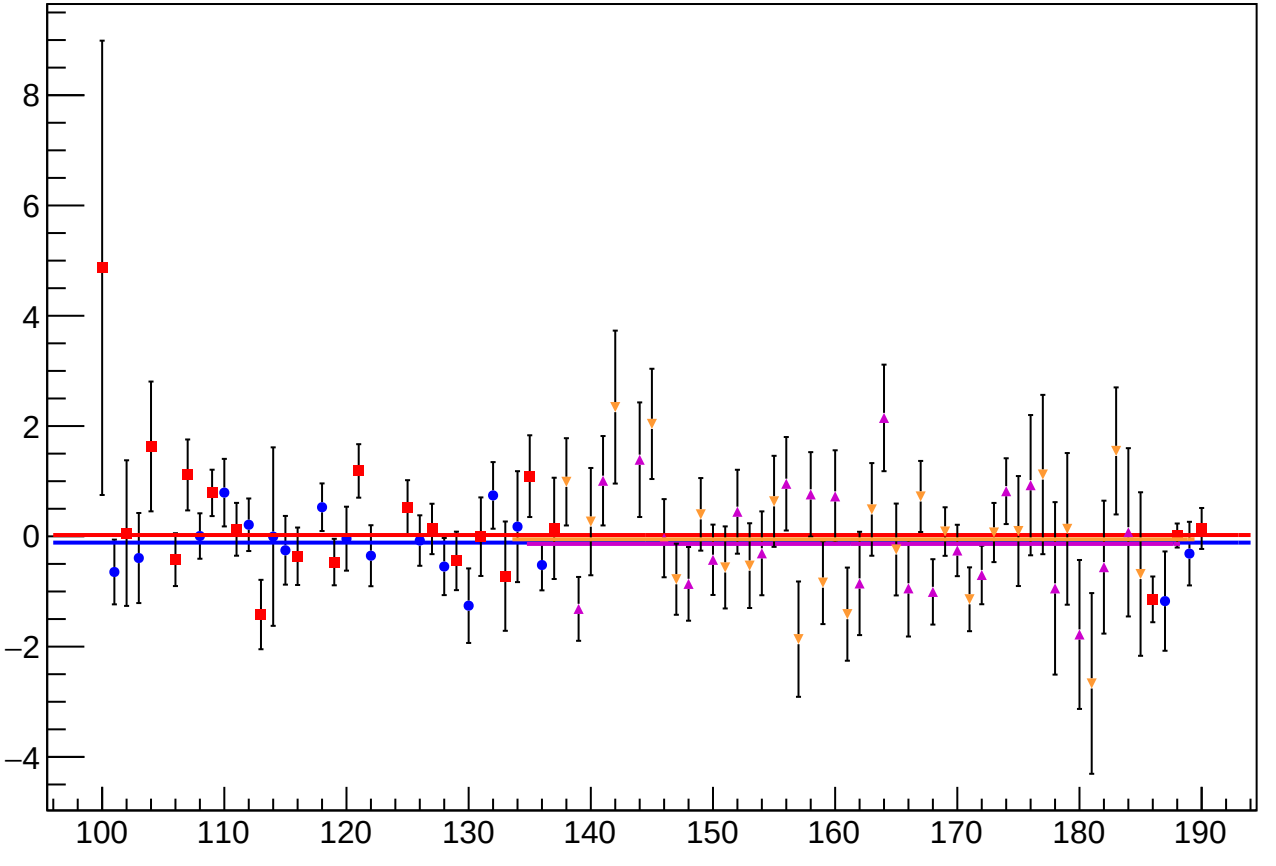
Right: 315.267+/-0.059 χ^2/NDF: 3041619.4/38

In: 476.957+/-0.072 χ^2/NDF:7138144.3/40

Out: 400.215+/-0.063 χ^2/NDF:12176869.9/44

All: 433.436+/-0.048 χ^2/NDF: 19952657.4/85

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

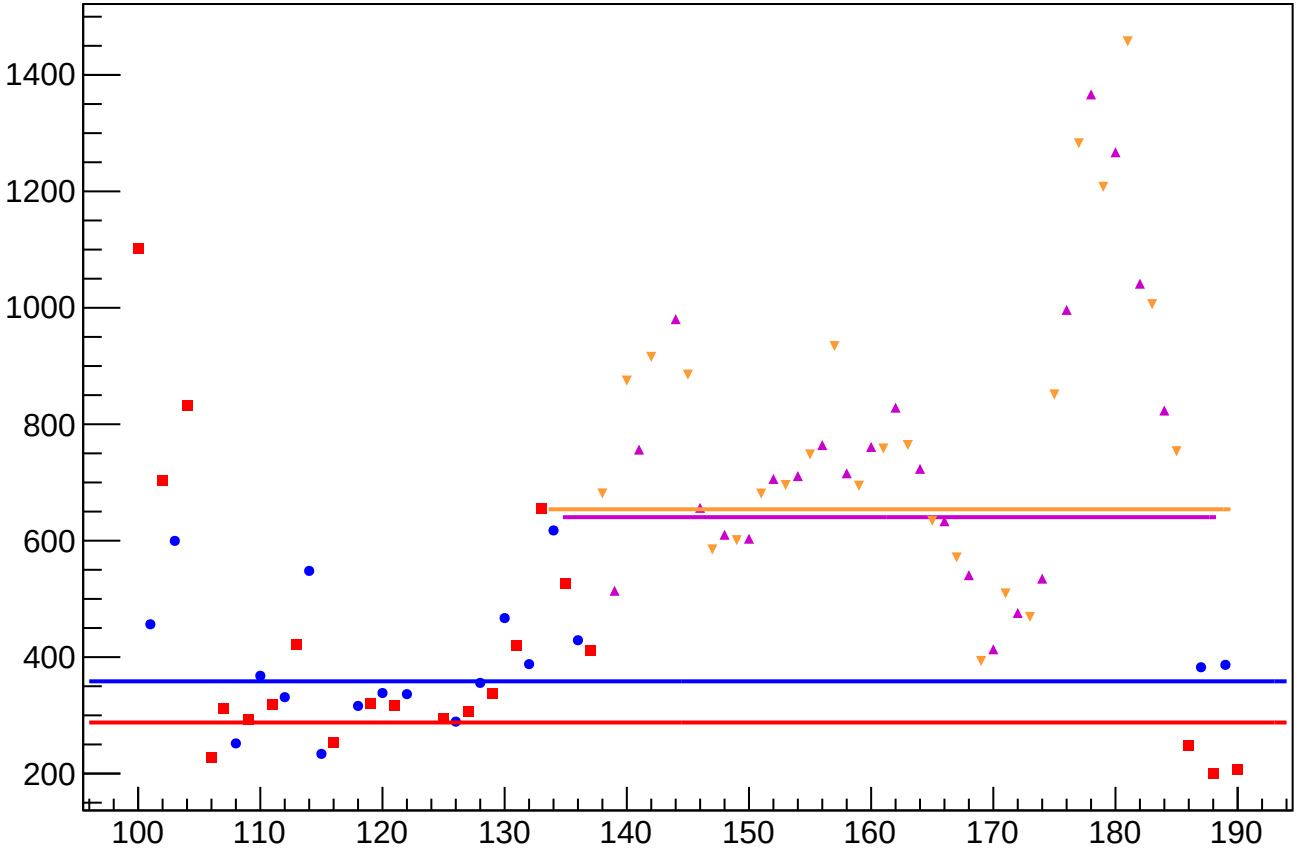
Right: -0.030+/-0.084 χ^2/NDF: 50.4/38

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.054+/-0.067 χ^2/NDF: 110.9/85

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 287.694+/-0.076 χ^2/NDF: 1911782.7/20

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

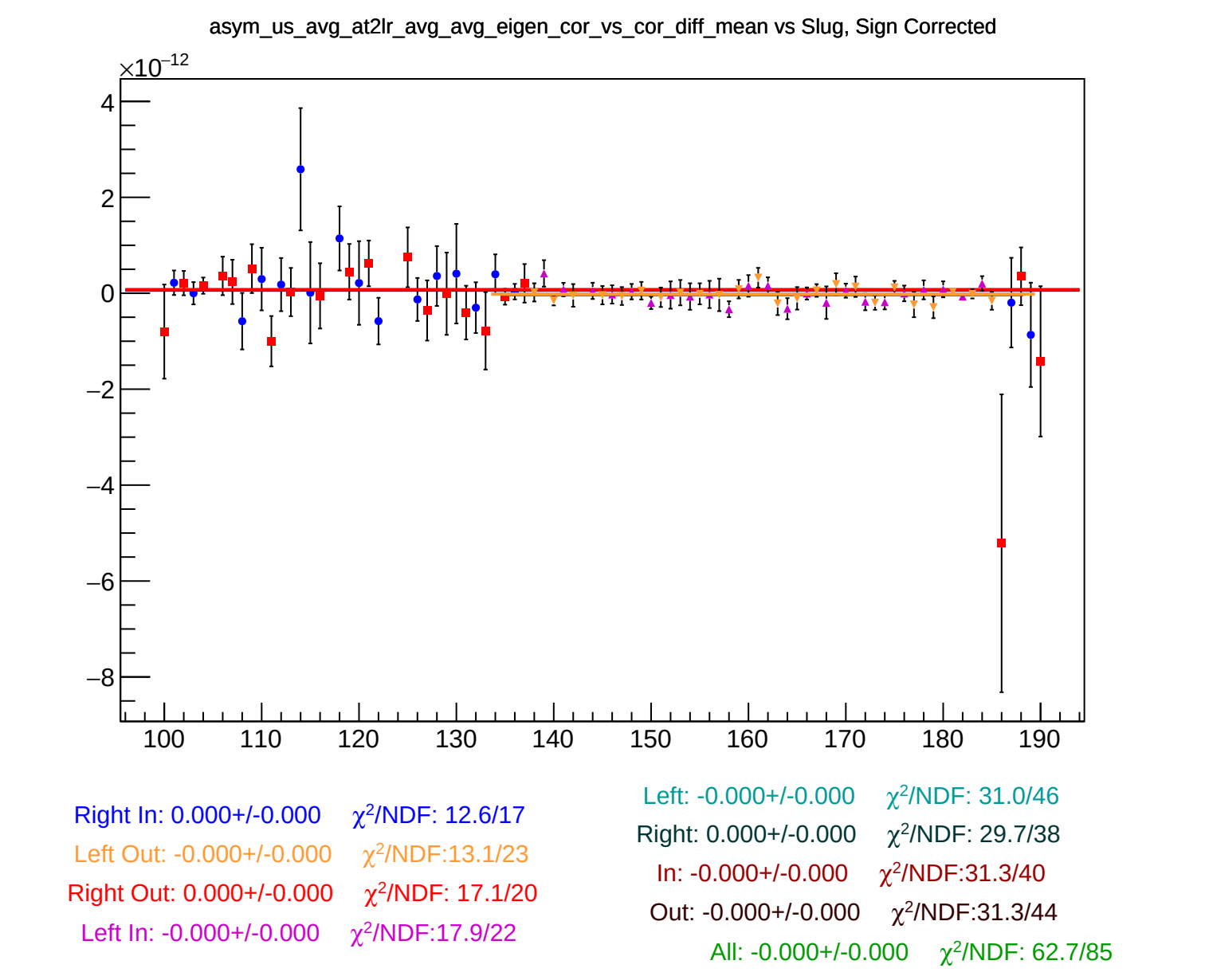
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

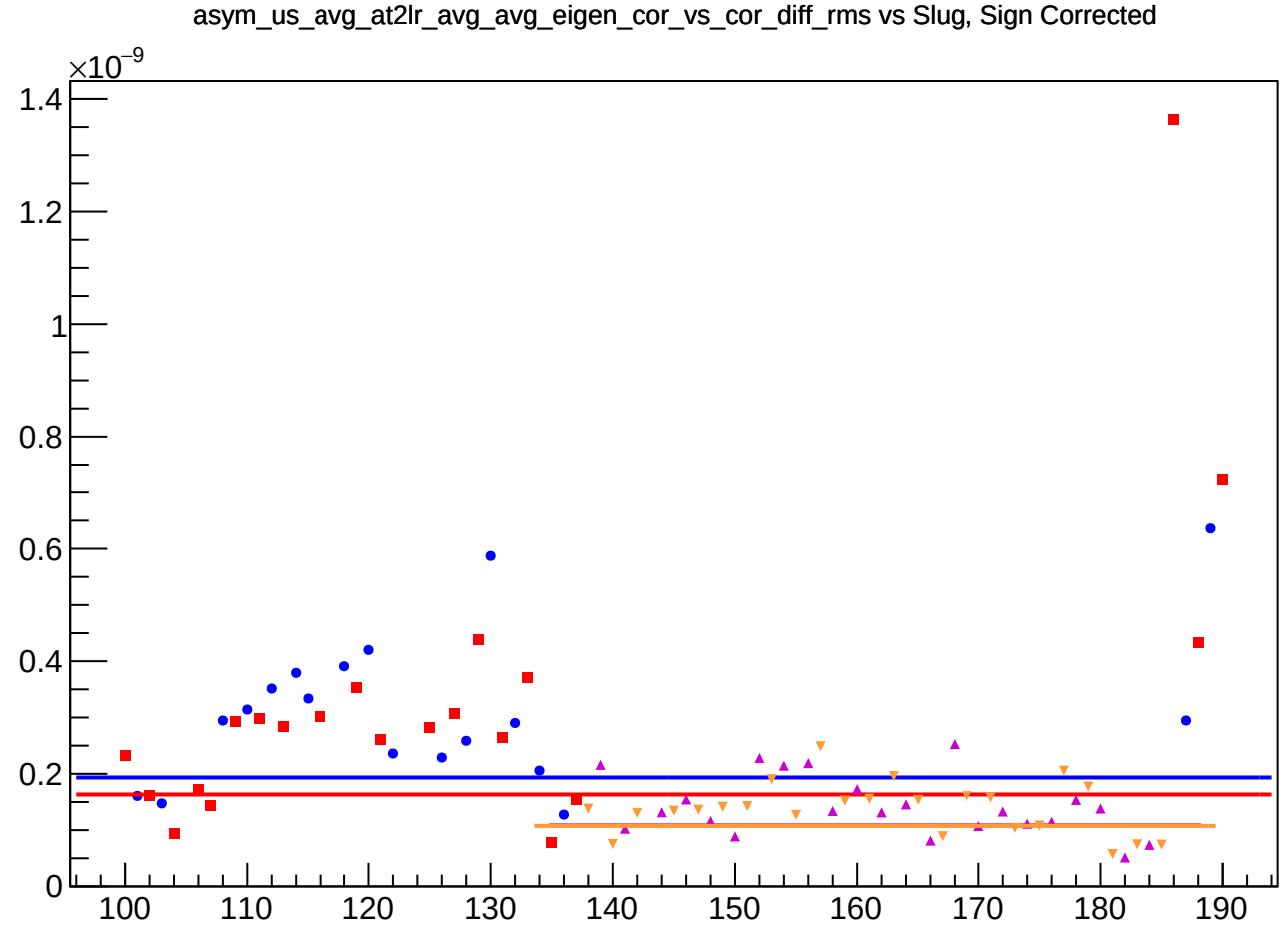
Right: 315.267+/-0.059 χ^2/NDF: 3041619.4/38

In: 476.957+/-0.072 χ^2/NDF:7138144.3/40

Out: 400.215+/-0.063 χ^2/NDF:12176869.9/44

All: 433.436+/-0.048 χ^2/NDF: 19952657.4/85


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.6/17
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.1/20
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: 29.7/38
In: -0.000+/-0.000 χ²/NDF:31.3/40
Out: -0.000+/-0.000 χ²/NDF:31.3/44
All: -0.000+/-0.000 χ²/NDF: 62.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1879961.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3173656.2/20

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

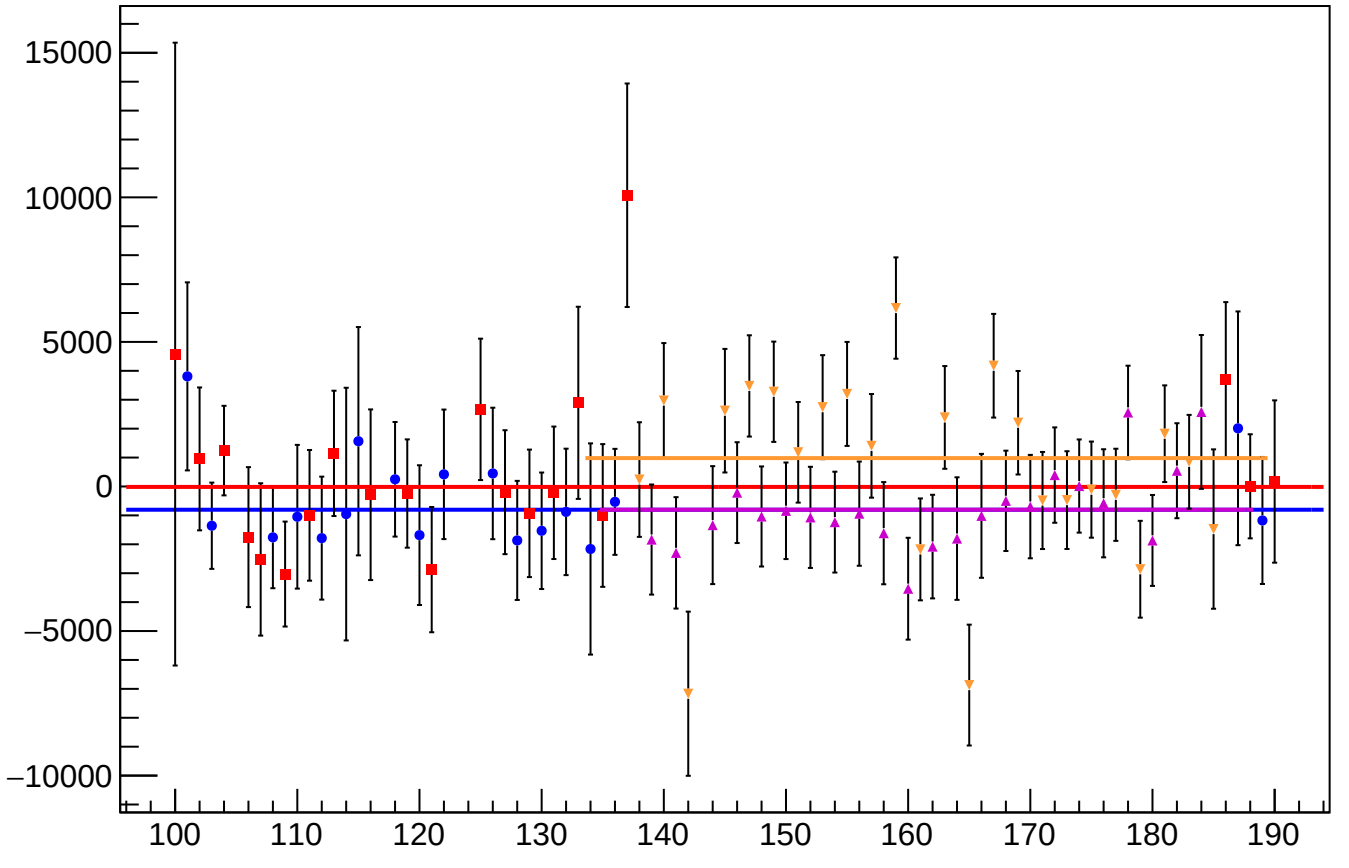
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 5165728.4/38

In: 0.000+/-0.000 χ^2/NDF:7164001.0/40

Out: 0.000+/-0.000 χ^2/NDF:7379306.3/44

All: 0.000+/-0.000 χ^2/NDF: 14550256.0/85



Right In: -804.143+/-533.238 χ^2/NDF: 5.1/17

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -15.499+/-505.988 χ^2/NDF: 18.4/20

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

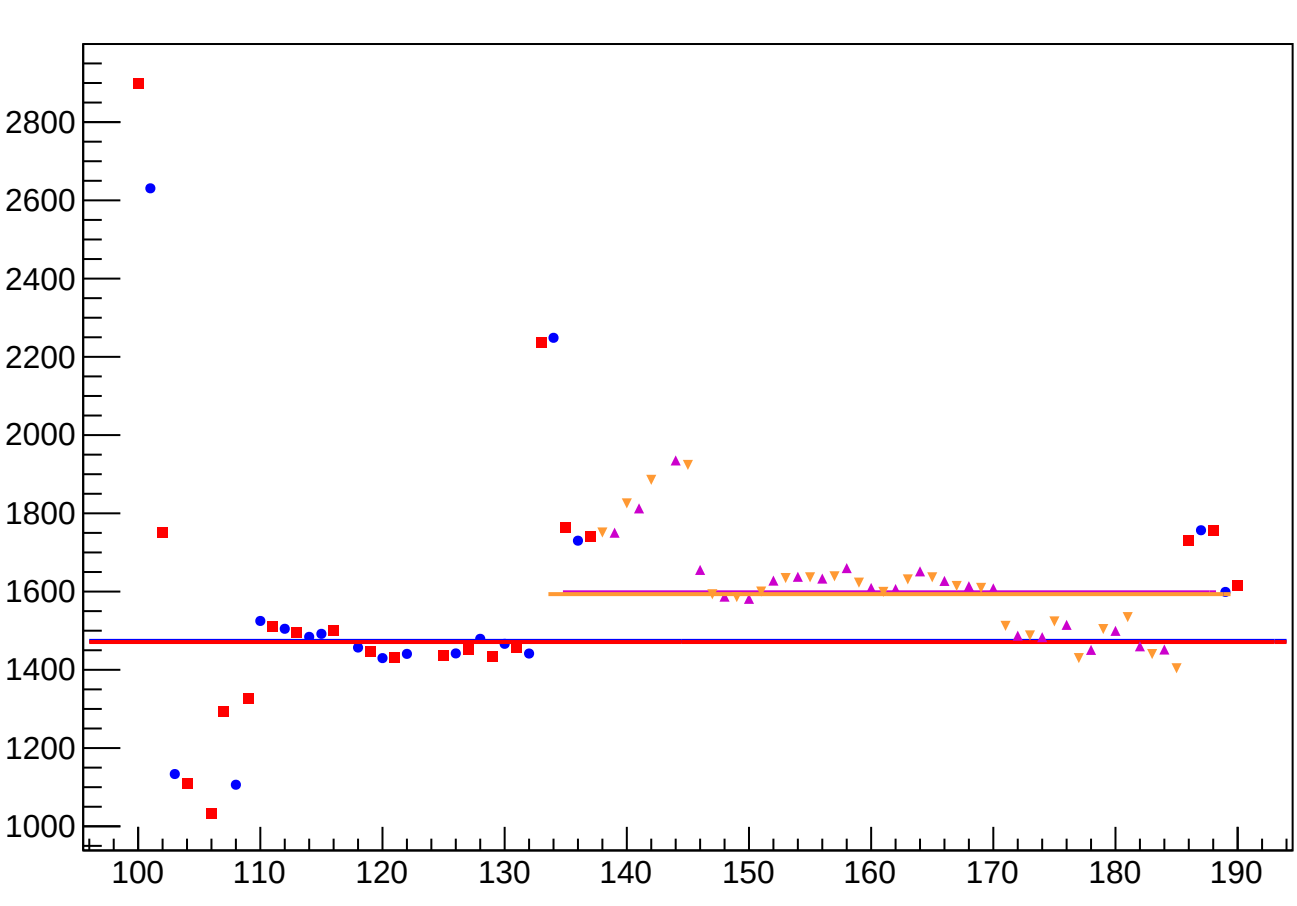
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -389.156+/-367.043 χ^2/NDF: 24.7/38

In: -803.986+/-306.231 χ^2/NDF:17.6/40

Out: 633.183+/-299.110 χ^2/NDF:76.5/44

All: -68.499+/-213.976 χ^2/NDF: 105.3/85



Right In: 1473.966+/-0.377 χ^2/NDF: 593168.9/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1471.030+/-0.356 χ^2/NDF: 497516.3/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

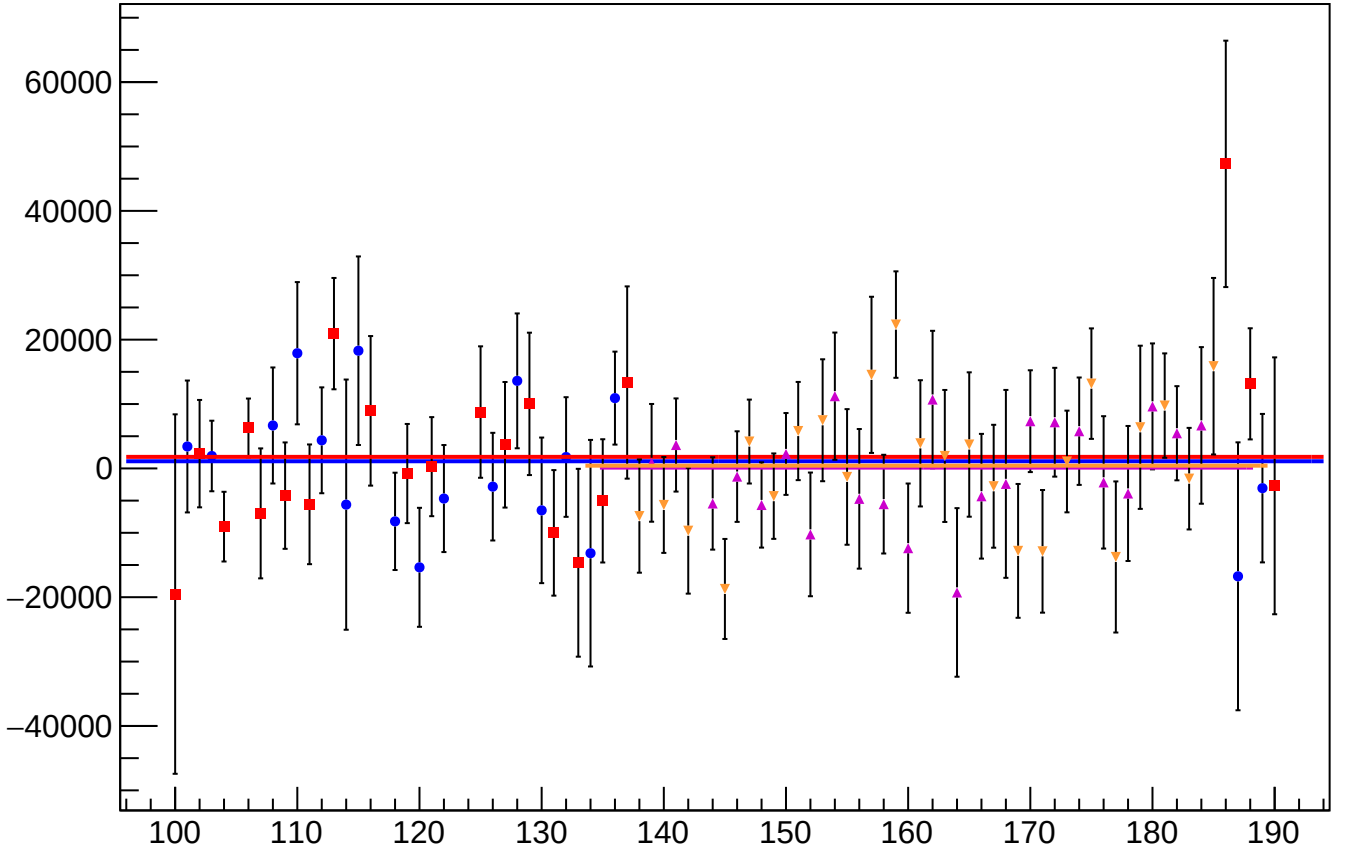
Right: 1472.411+/-0.259 χ^2/NDF: 1090717.3/38

In: 1557.172+/-0.217 χ^2/NDF:834988.4/40

Out: 1550.338+/-0.211 χ^2/NDF:761960.4/44

All: 1553.667+/-0.151 χ^2/NDF: 1597459.6/85

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1113.460+/-2212.764 χ^2/NDF: 15.1/17

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 1793.508+/-1939.639 χ^2/NDF: 25.2/20

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

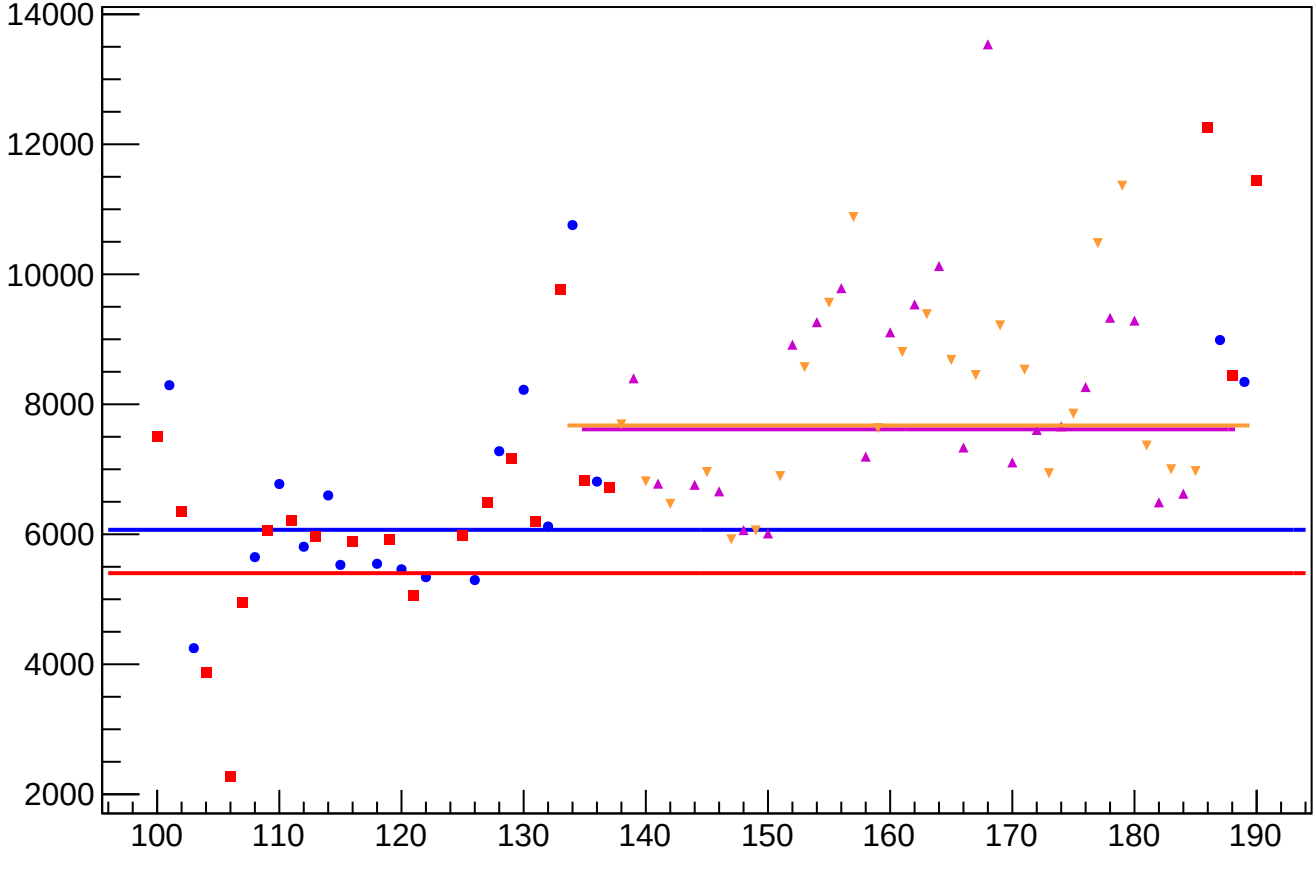
Right: 1498.022+/-1458.593 χ^2/NDF: 40.4/38

In: 523.331+/-1403.237 χ^2/NDF:29.1/40

Out: 1066.609+/-1327.168 χ^2/NDF:54.9/44

All: 810.094+/-964.220 χ^2/NDF: 84.0/85

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6068.814+/-1.565 χ^2/NDF: 764261.1/17

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5401.969+/-1.372 χ^2/NDF: 2214592.7/20

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

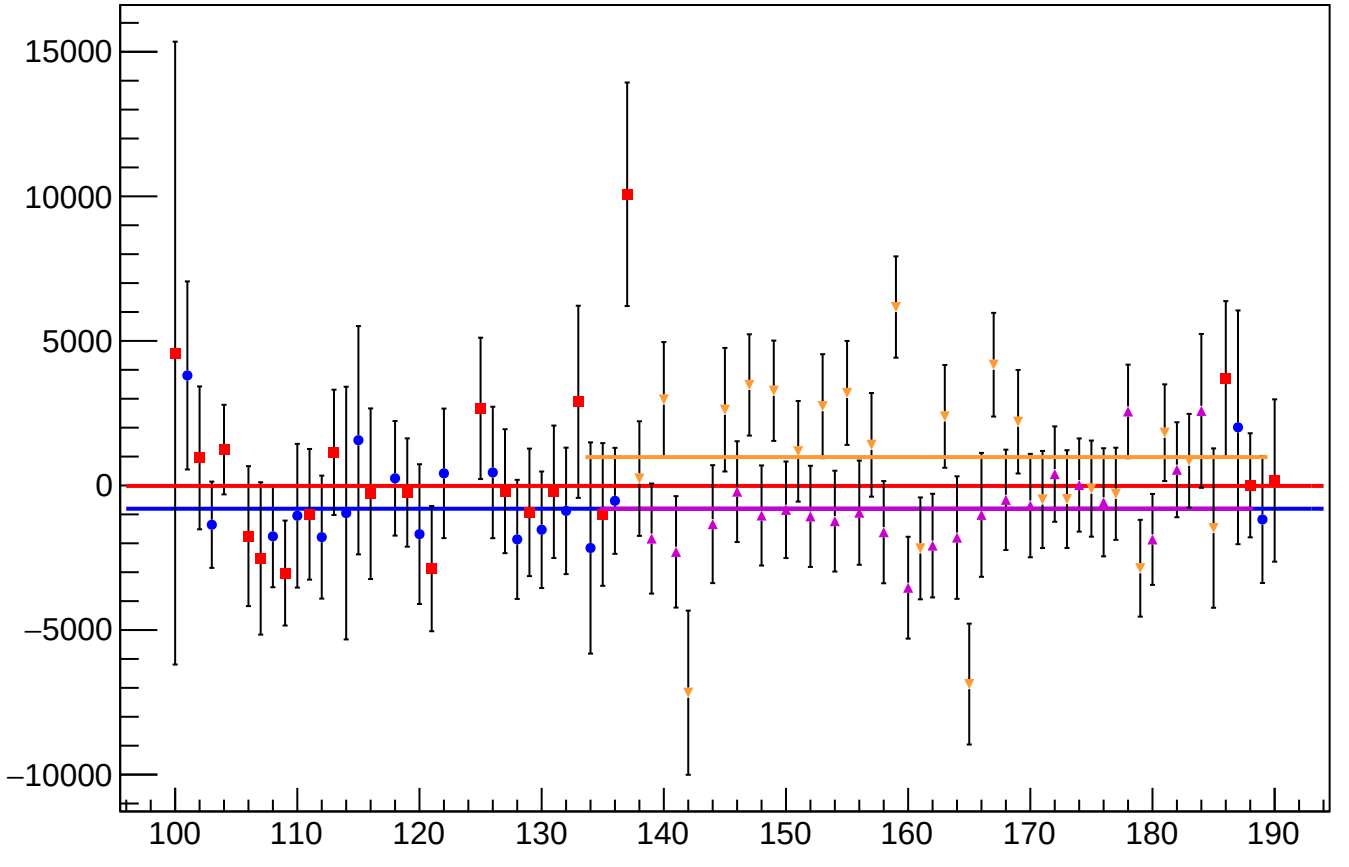
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5691.719+/-1.031 χ^2/NDF: 3081569.0/38

In: 6993.180+/-0.992 χ^2/NDF:2572574.0/40

Out: 6610.319+/-0.938 χ^2/NDF:4750815.3/44

All: 6791.092+/-0.682 χ^2/NDF: 7401976.4/85



Right In: -804.238+/-533.238 χ^2/NDF: 5.1/17

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -15.371+/-505.988 χ^2/NDF: 18.4/20

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

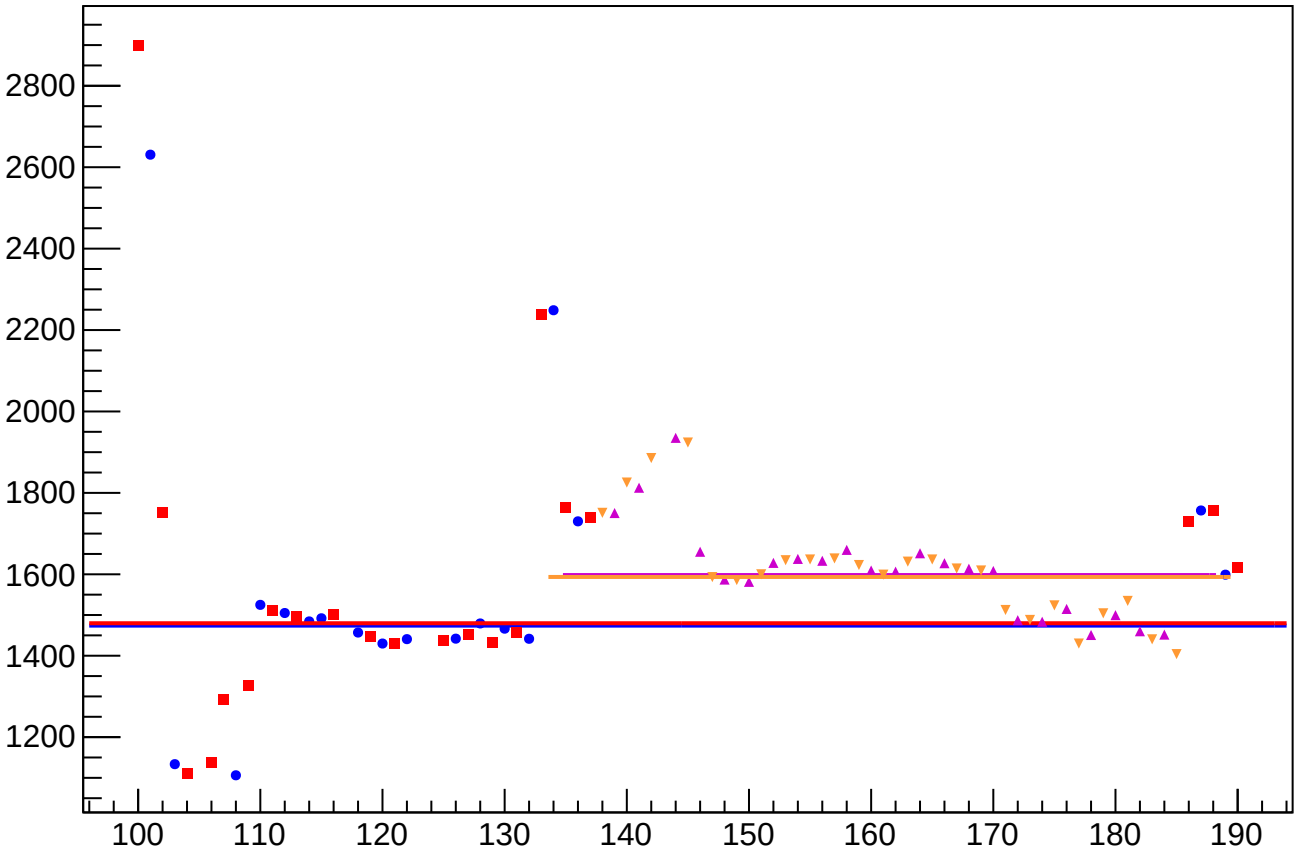
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -389.133+/-367.043 χ^2/NDF: 24.7/38

In: -803.933+/-306.231 χ^2/NDF:17.6/40

Out: 633.283+/-299.110 χ^2/NDF:76.5/44

All: -68.422+/-213.976 χ^2/NDF: 105.3/85



Right In: 1473.965+/-0.377 χ^2/NDF: 593169.1/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

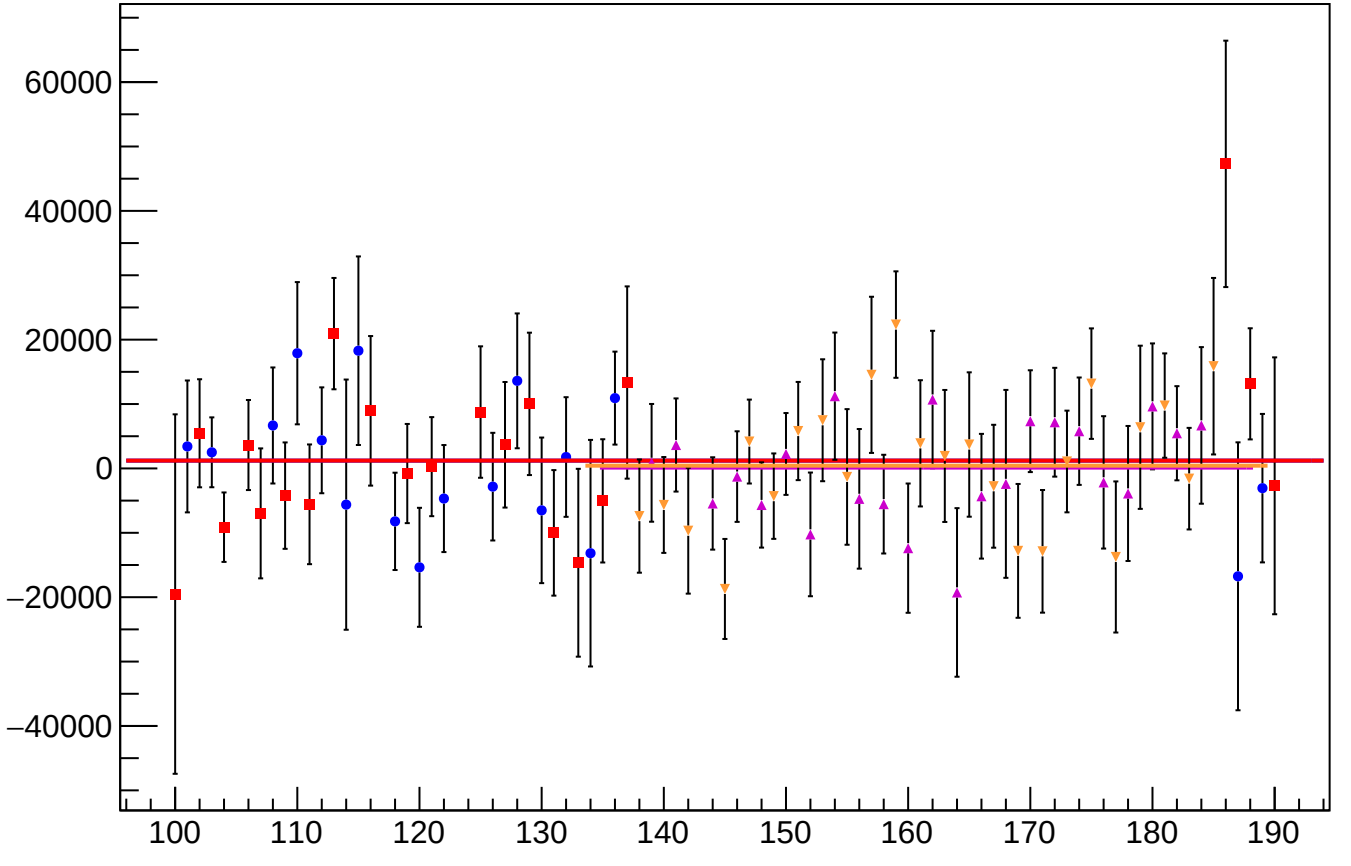
Right: 1477.034+/-0.259 χ^2/NDF: 1047297.4/38

In: 1557.172+/-0.217 χ^2/NDF:834988.8/40

Out: 1553.650+/-0.211 χ^2/NDF:707477.2/44

All: 1555.369+/-0.151 χ^2/NDF: 1542601.4/85

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

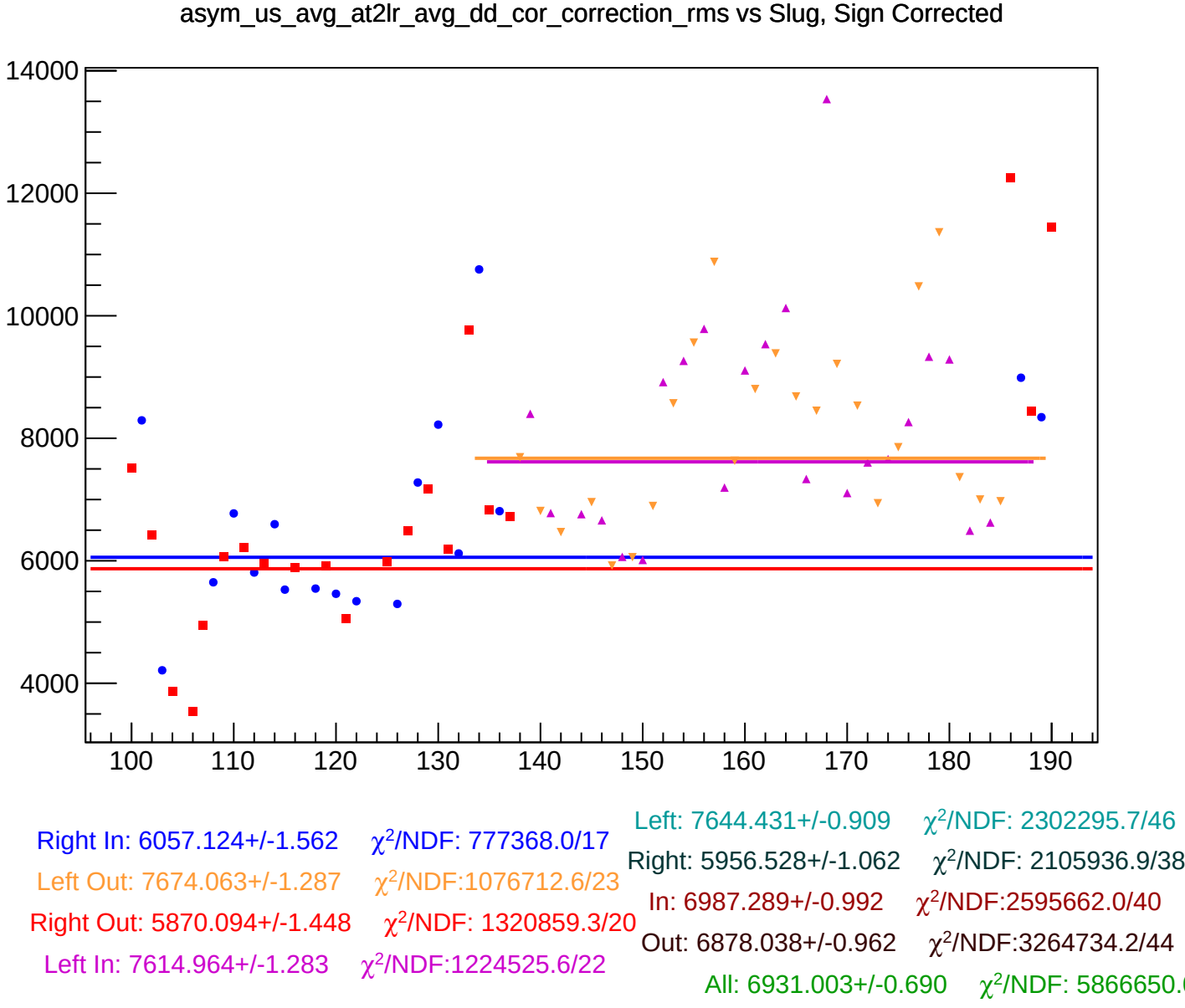
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

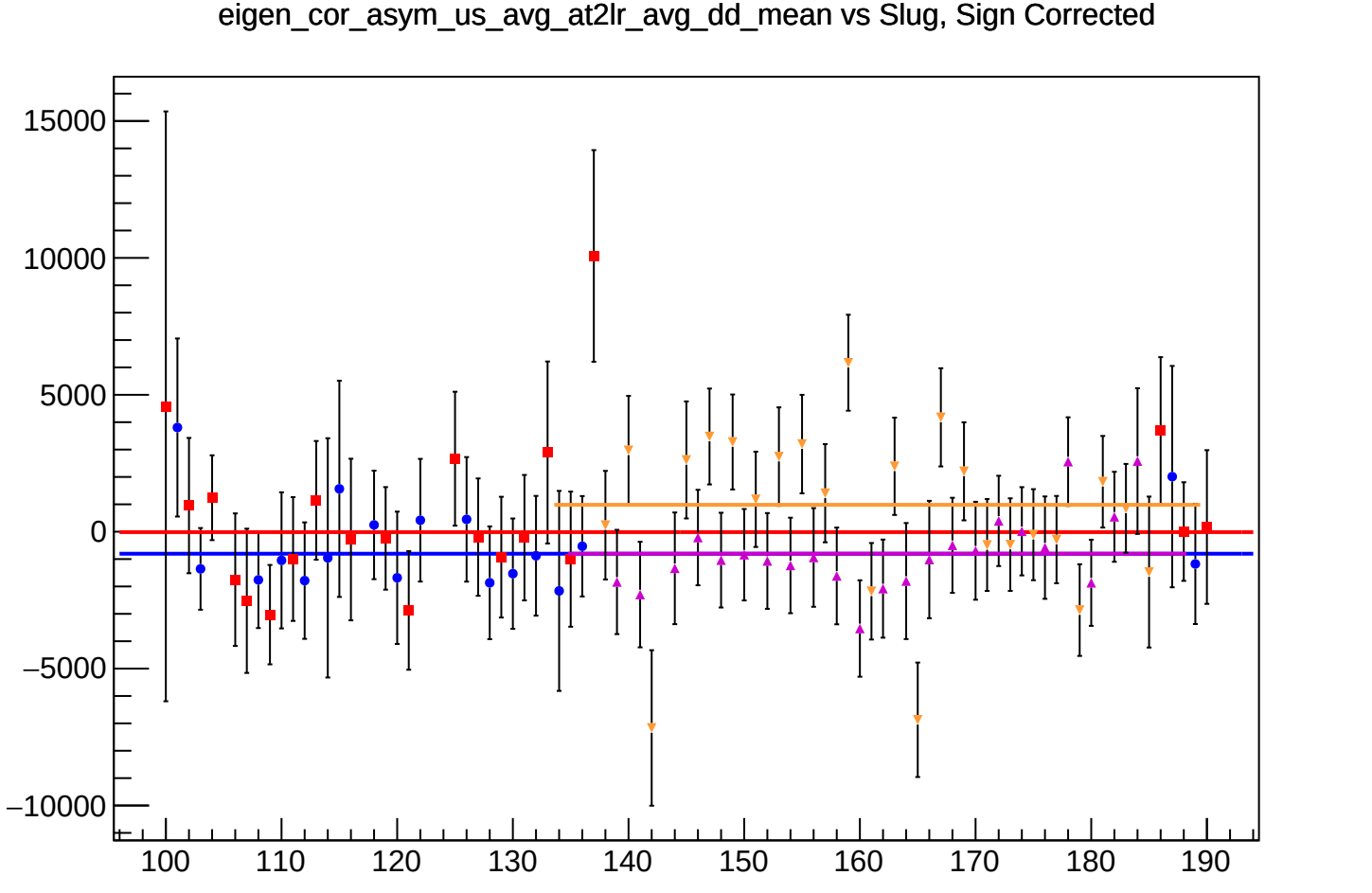
Right: 1213.345+/-1501.873 χ^2/NDF: 39.7/38

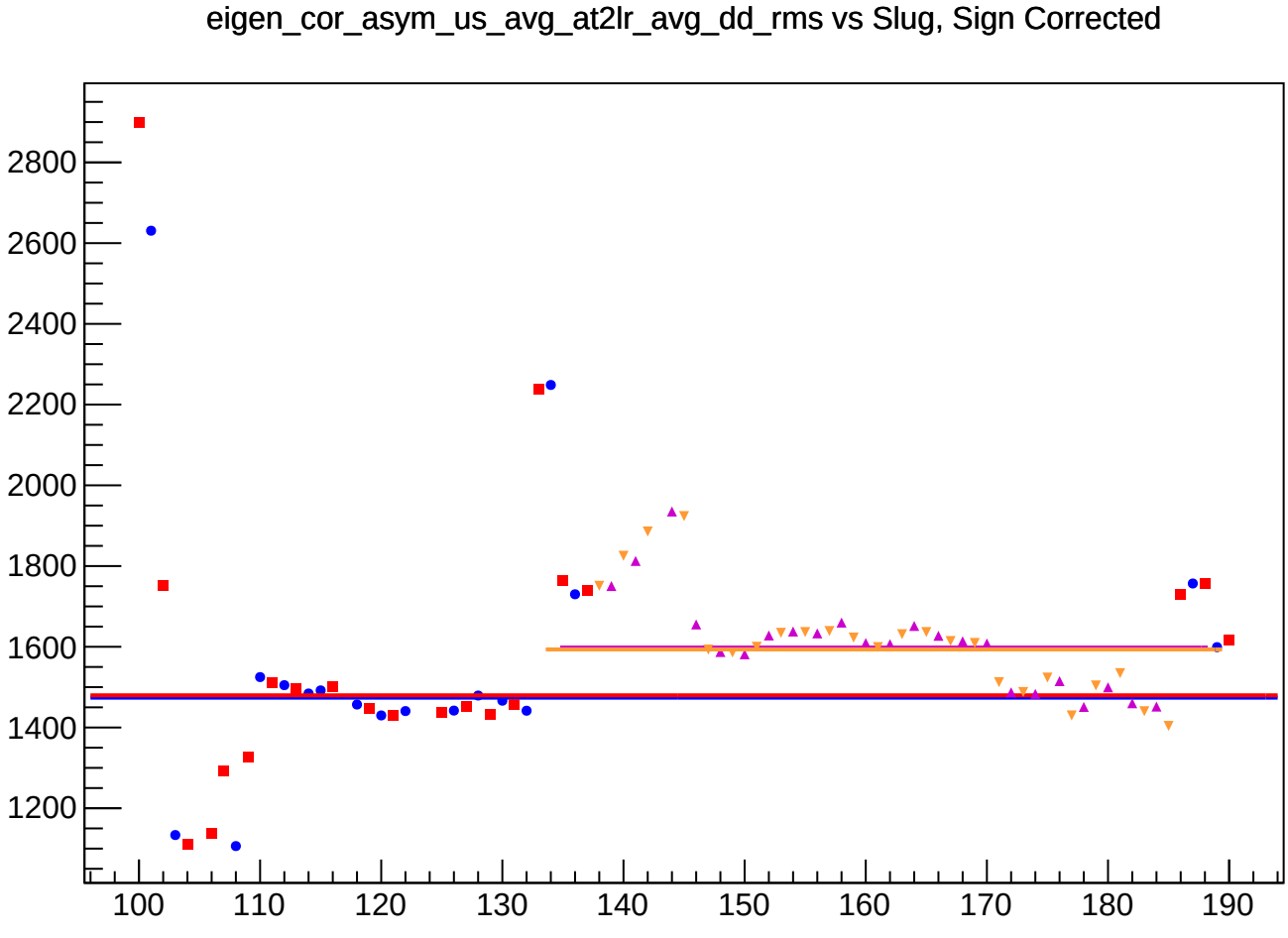
In: 563.384+/-1402.342 χ^2/NDF:29.1/40

Out: 774.710+/-1360.336 χ^2/NDF:54.0/44

All: 672.259+/-976.416 χ^2/NDF: 83.1/85


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 6057.124+/-1.562 χ²/NDF: 777368.0/17
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 5870.094+/-1.448 χ²/NDF: 1320859.3/20
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 5956.528+/-1.062 χ²/NDF: 2105936.9/38
In: 6987.289+/-0.992 χ²/NDF:2595662.0/40
Out: 6878.038+/-0.962 χ²/NDF:3264734.2/44
All: 6931.003+/-0.690 χ²/NDF: 5866650.0/85


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -804.238+/-533.238 χ²/NDF: 5.1/17
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -15.371+/-505.988 χ²/NDF: 18.4/20
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -389.133+/-367.043 χ²/NDF: 24.7/38
In: -803.933+/-306.231 χ²/NDF:17.6/40
Out: 633.283+/-299.110 χ²/NDF:76.5/44
All: -68.422+/-213.976 χ²/NDF: 105.3/85



Right In: 1473.965+/-0.377 χ^2/NDF: 593169.1/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

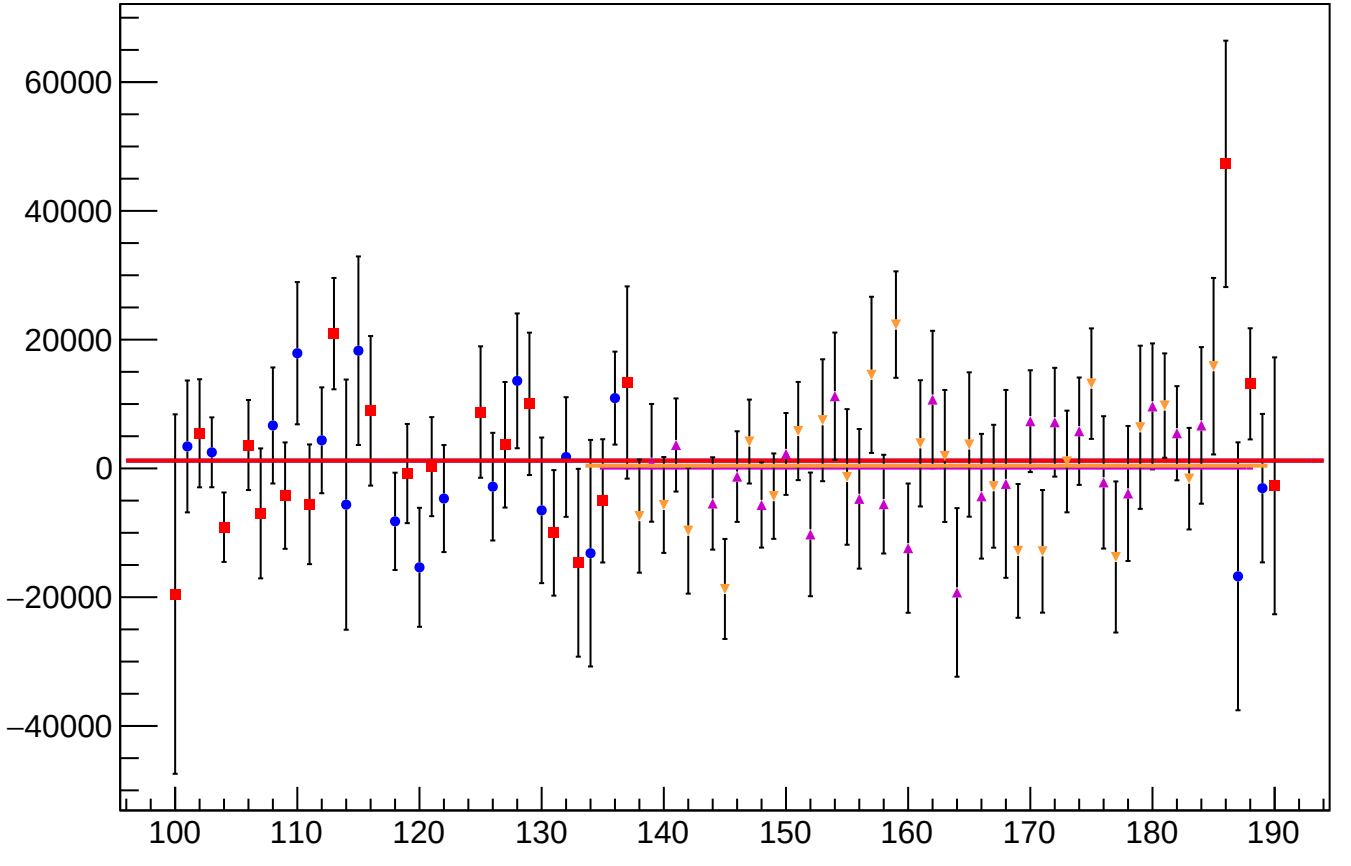
Right: 1477.034+/-0.259 χ^2/NDF: 1047297.4/38

In: 1557.172+/-0.217 χ^2/NDF:834988.8/40

Out: 1553.650+/-0.211 χ^2/NDF:707477.2/44

All: 1555.369+/-0.151 χ^2/NDF: 1542601.4/85

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

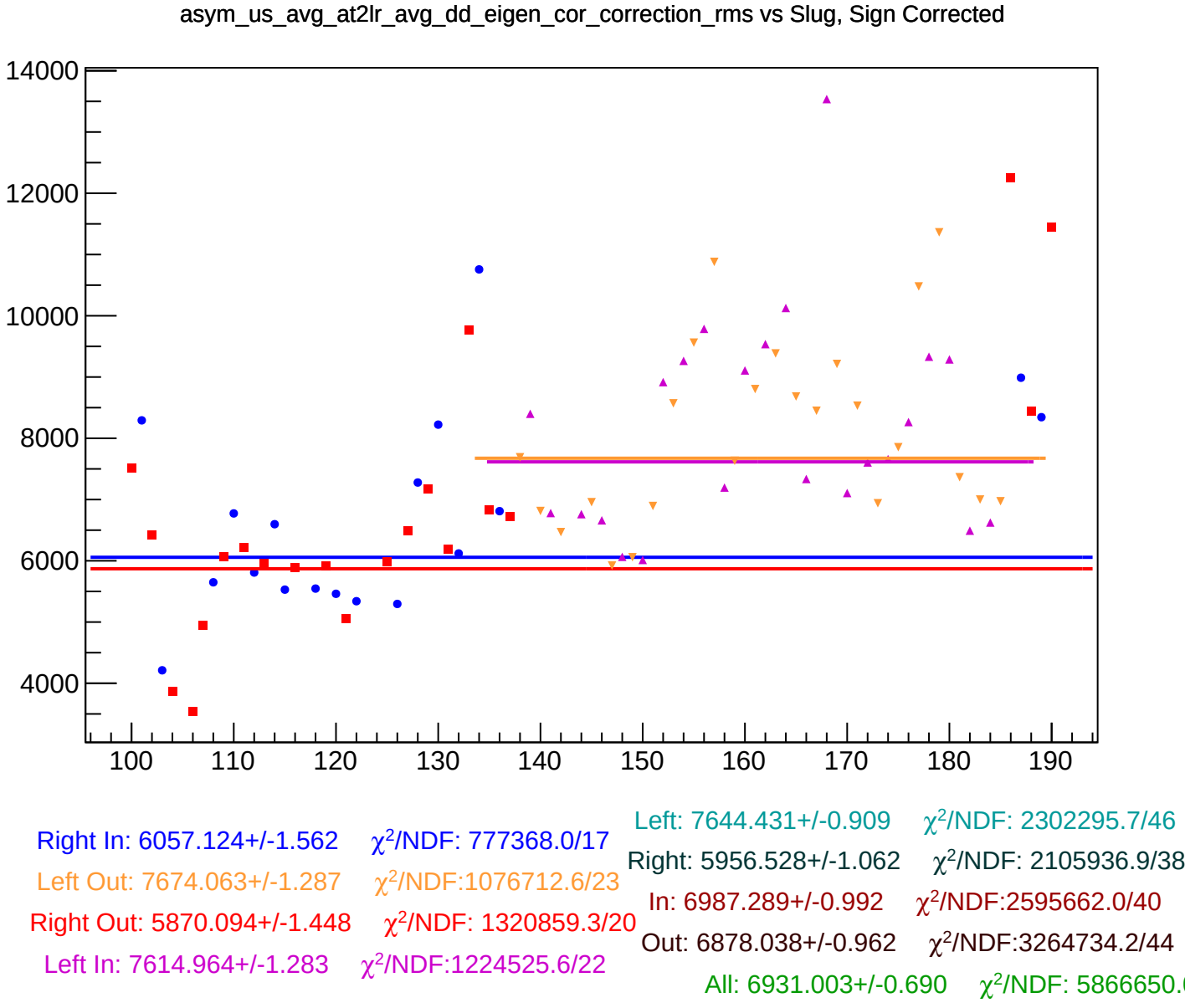
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1213.345+/-1501.873 χ^2/NDF: 39.7/38

In: 563.384+/-1402.342 χ^2/NDF:29.1/40

Out: 774.710+/-1360.336 χ^2/NDF:54.0/44

All: 672.259+/-976.416 χ^2/NDF: 83.1/85


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
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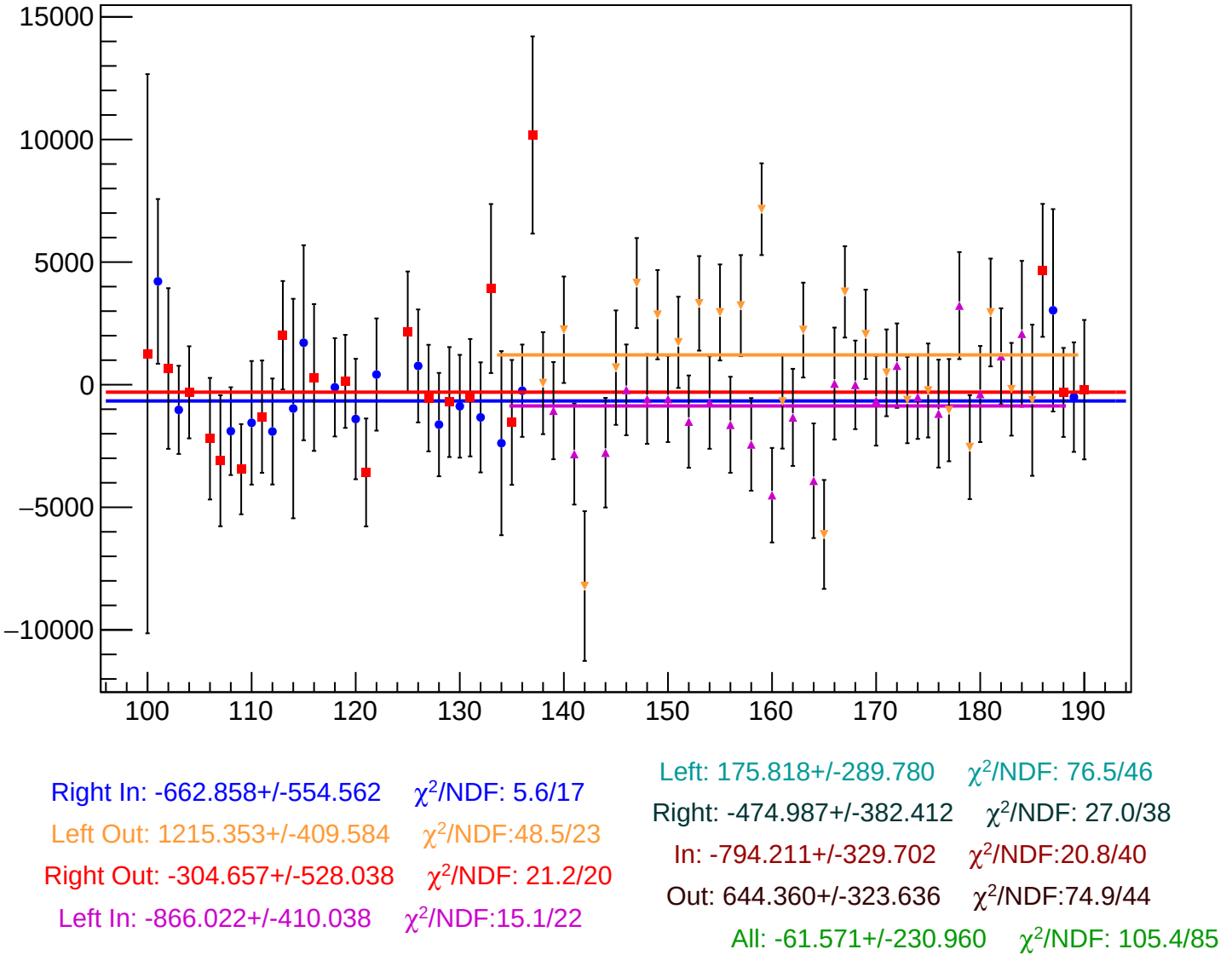
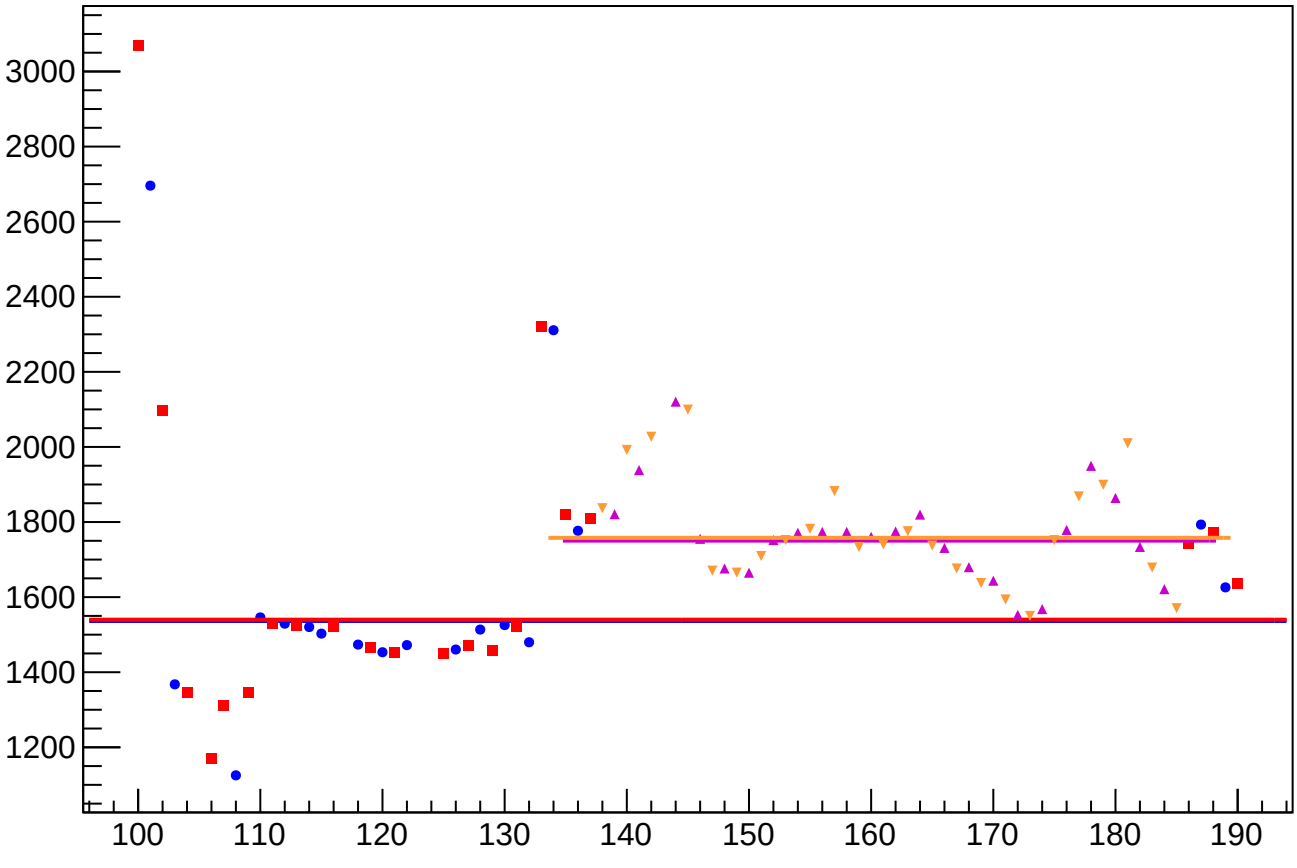
160
170
180
190
Right In: 6057.124+/-1.562 χ²/NDF: 777368.0/17
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 5870.094+/-1.448 χ²/NDF: 1320859.3/20
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 5956.528+/-1.062 χ²/NDF: 2105936.9/38
In: 6987.289+/-0.992 χ²/NDF:2595662.0/40
Out: 6878.038+/-0.962 χ²/NDF:3264734.2/44
All: 6931.003+/-0.690 χ²/NDF: 5866650.0/85


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -662.858+/-554.562 χ²/NDF: 5.6/17
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -304.657+/-528.038 χ²/NDF: 21.2/20
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -474.987+/-382.412 χ²/NDF: 27.0/38
In: -794.211+/-329.702 χ²/NDF:20.8/40
Out: 644.360+/-323.636 χ²/NDF:74.9/44
All: -61.571+/-230.960 χ²/NDF: 105.4/85



Right In: 1536.558+/-0.392 χ^2/NDF: 499992.9/17

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

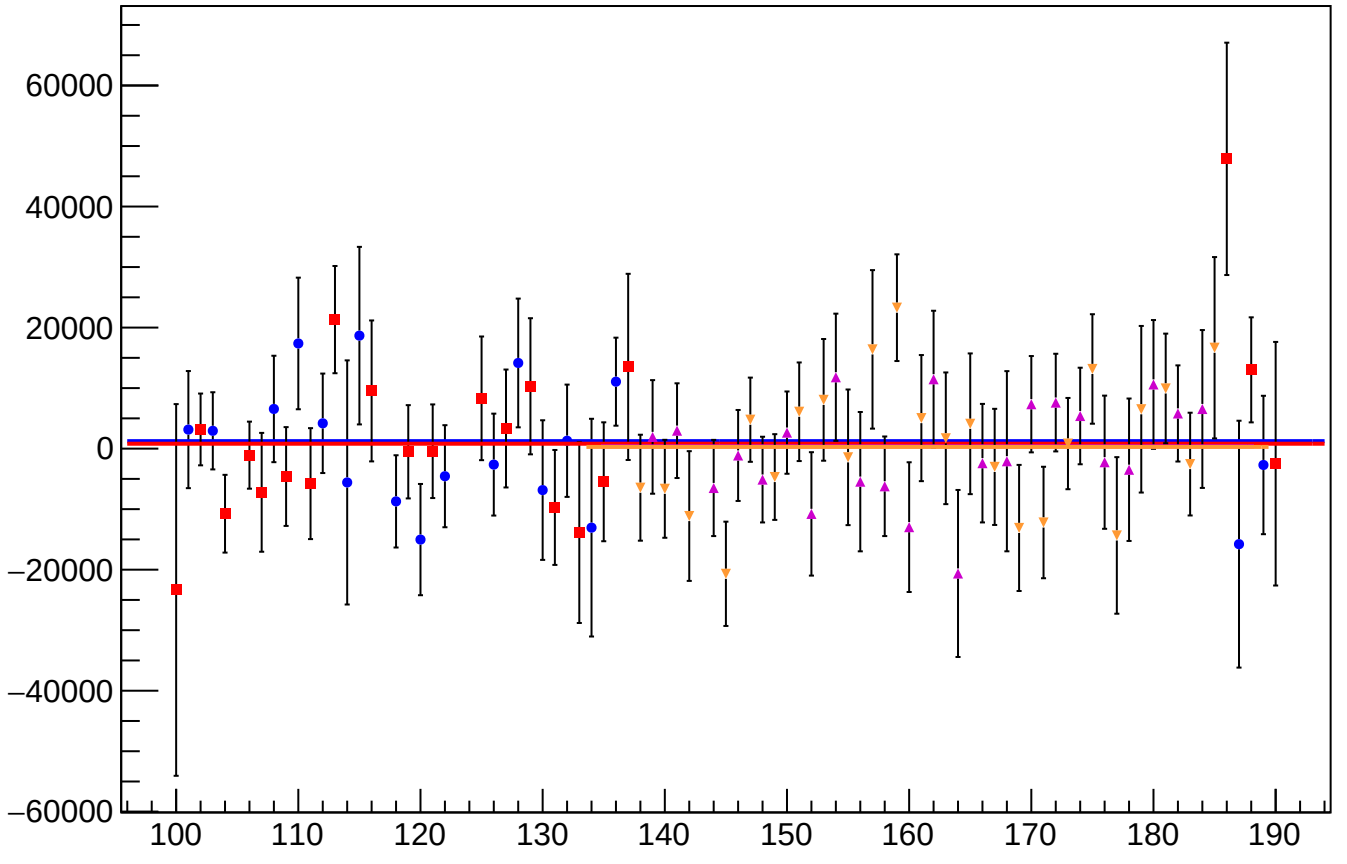
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1538.318+/-0.270 χ^2/NDF: 893128.9/38

In: 1674.865+/-0.233 χ^2/NDF:864290.0/40

Out: 1676.028+/-0.229 χ^2/NDF:819381.7/44

All: 1675.457+/-0.163 χ^2/NDF: 1683684.5/85



Right In: 1237.569+/-2259.703 χ^2/NDF: 15.1/17

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 810.321+/-1984.533 χ^2/NDF: 24.4/20

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

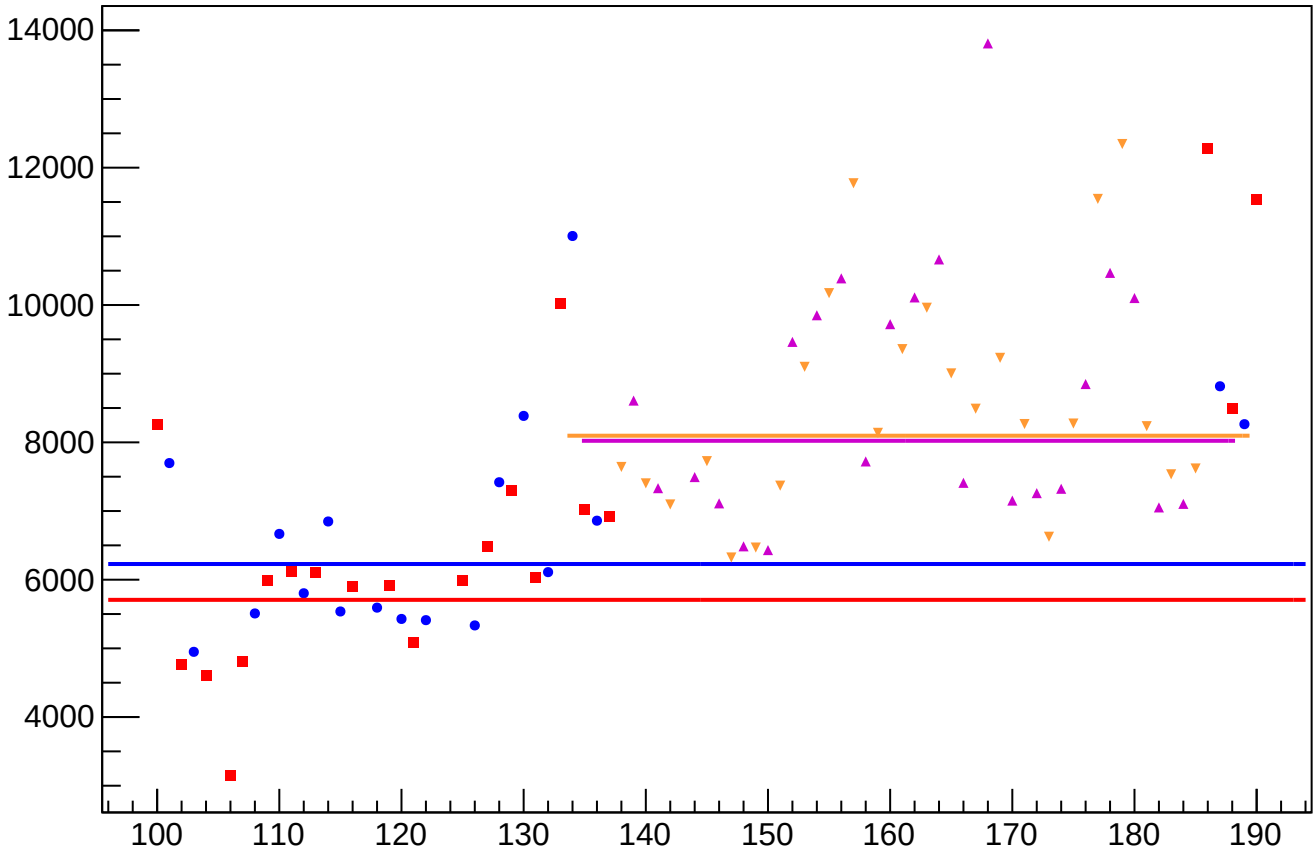
Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

Right: 996.361+/-1491.126 χ^2/NDF: 39.5/38

In: 739.435+/-1459.784 χ^2/NDF:28.8/40

Out: 538.961+/-1379.945 χ^2/NDF:53.0/44

All: 633.566+/-1002.806 χ^2/NDF: 81.8/85



Right In: 6228.367+/-1.598 χ^2/NDF: 572427.6/17

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 5706.559+/-1.403 χ^2/NDF: 1471611.4/20

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

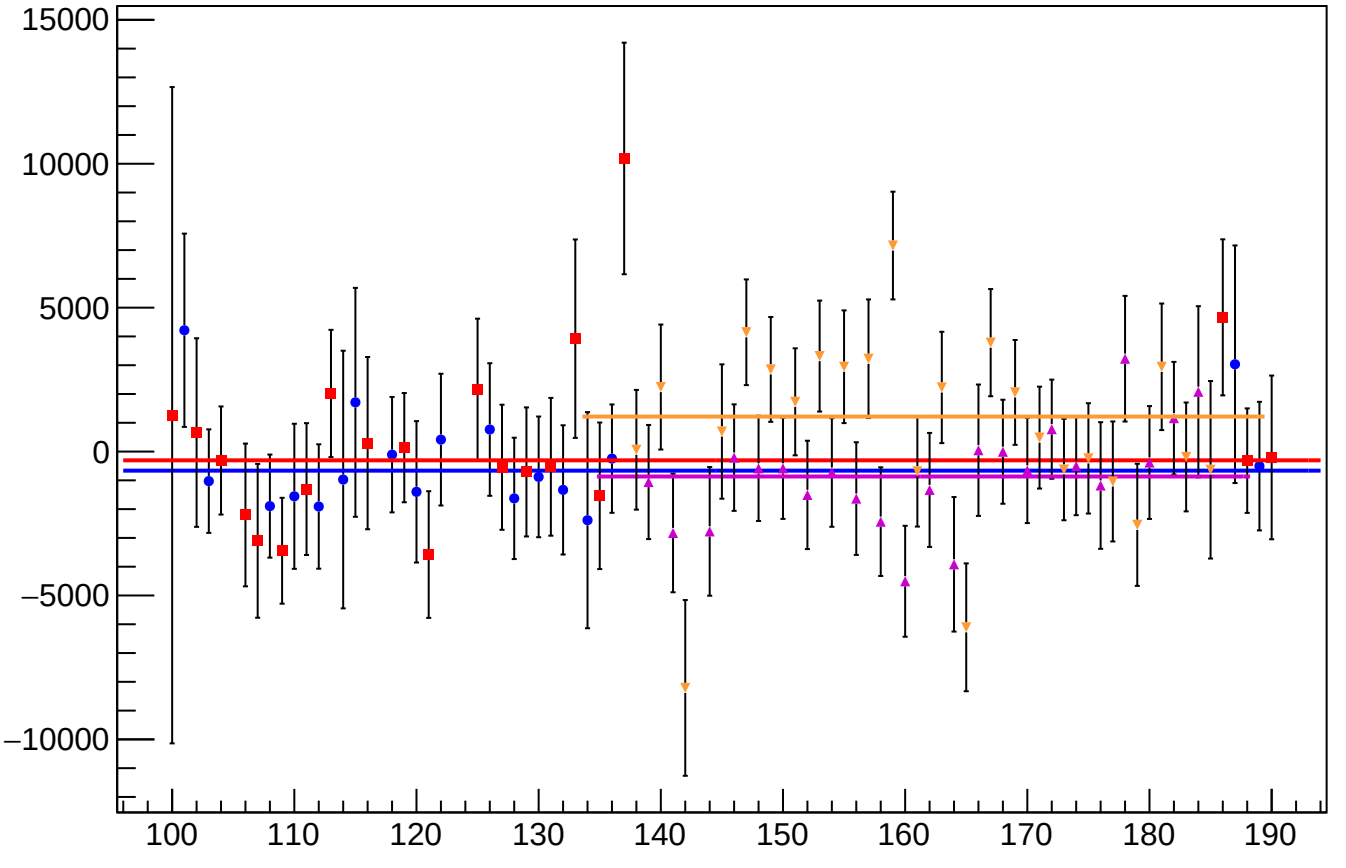
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 5933.774+/-1.054 χ^2/NDF: 2104248.0/38

In: 7273.895+/-1.032 χ^2/NDF:2532782.0/40

Out: 6941.101+/-0.976 χ^2/NDF:4057930.0/44

All: 7098.149+/-0.709 χ^2/NDF: 6645604.8/85



Right In: -662.862+/-554.562 χ^2/NDF: 5.6/17

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -304.667+/-528.038 χ^2/NDF: 21.2/20

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

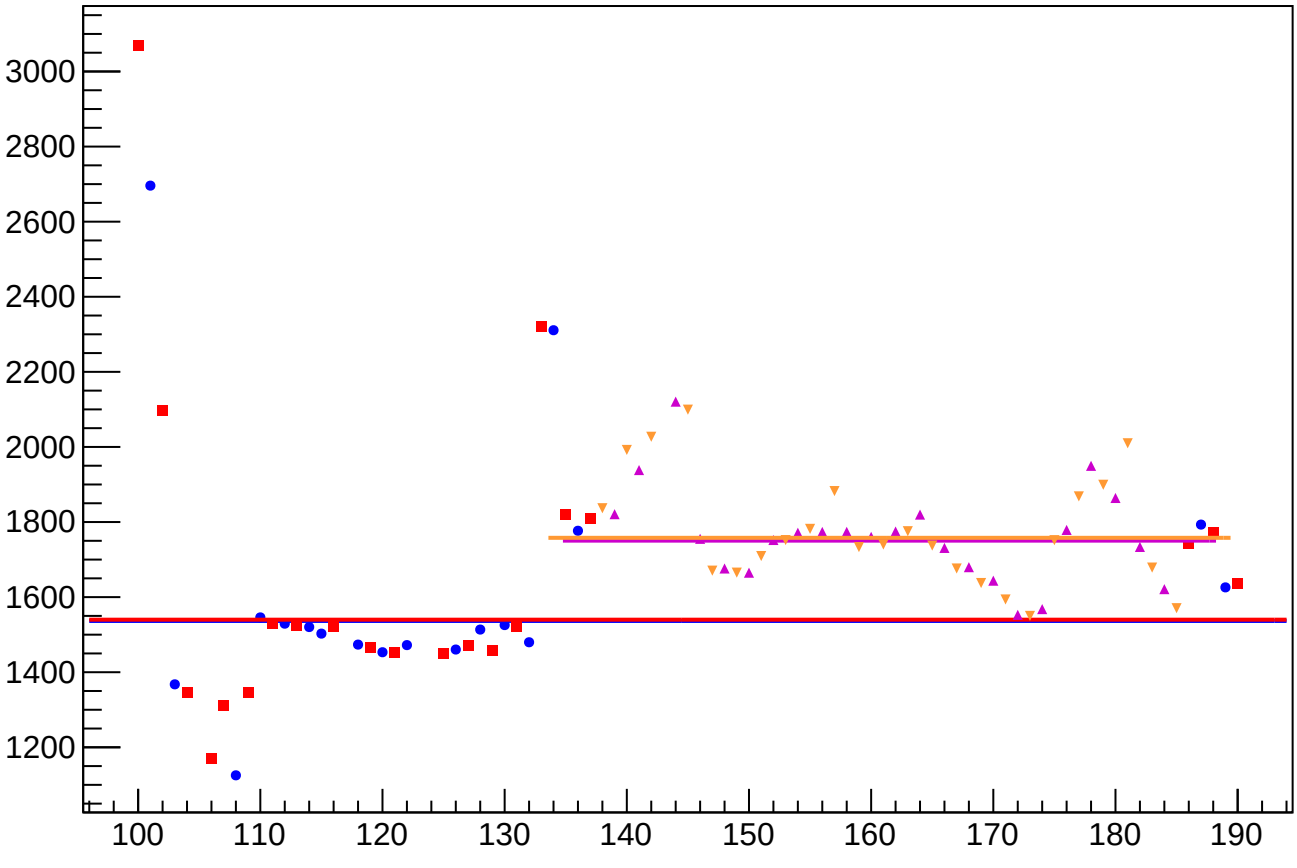
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -474.994+/-382.412 χ^2/NDF: 27.0/38

In: -794.212+/-329.702 χ^2/NDF:20.8/40

Out: 644.360+/-323.637 χ^2/NDF:74.9/44

All: -61.571+/-230.960 χ^2/NDF: 105.4/85



Right In: 1536.558+/-0.392 χ^2/NDF: 499992.1/17

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

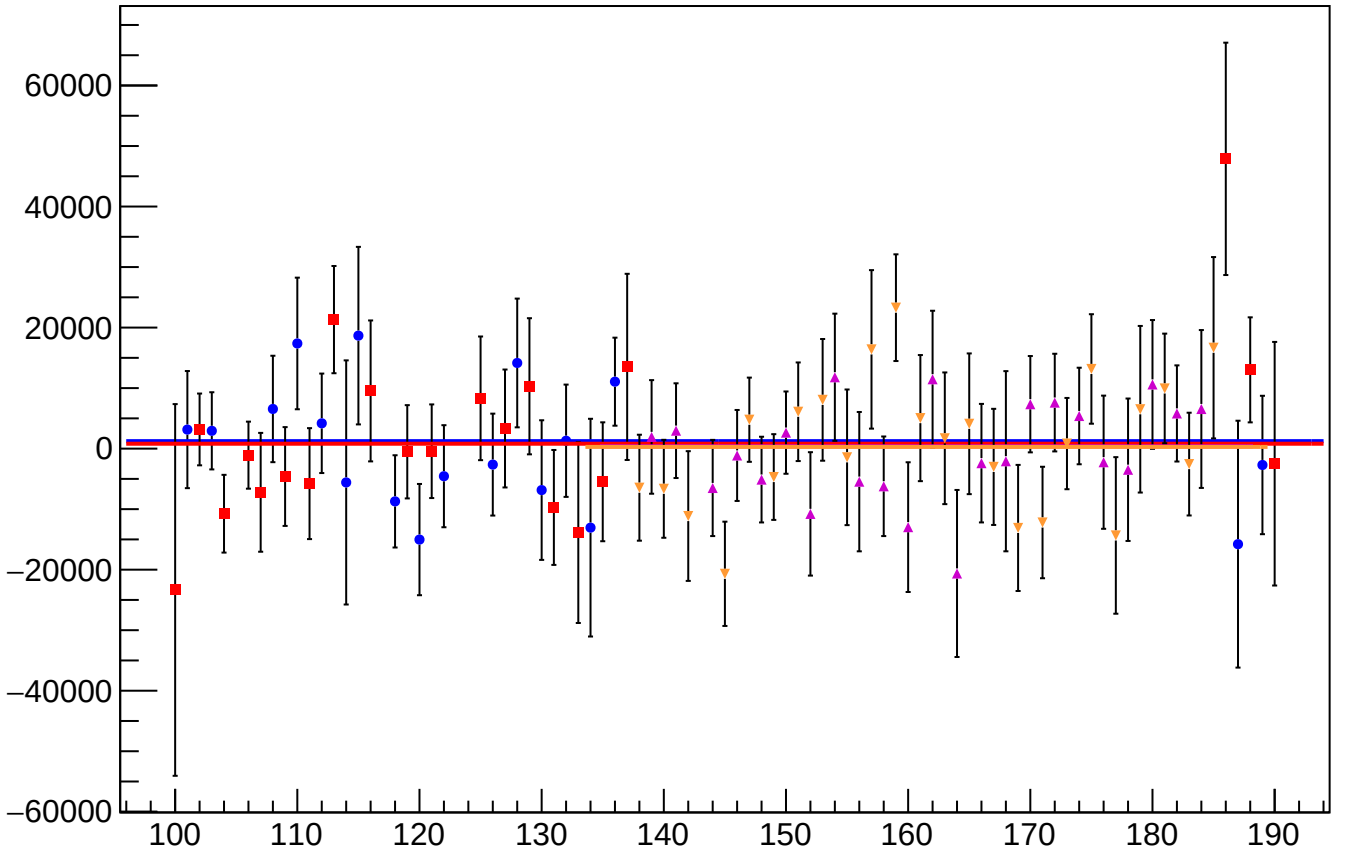
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1538.318+/-0.270 χ^2/NDF: 893128.1/38

In: 1674.866+/-0.233 χ^2/NDF:864302.5/40

Out: 1676.030+/-0.229 χ^2/NDF:819395.0/44

All: 1675.459+/-0.163 χ^2/NDF: 1683710.2/85



Right In: 1237.552+/-2259.699 χ^2/NDF: 15.1/17

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 810.310+/-1984.529 χ^2/NDF: 24.4/20

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

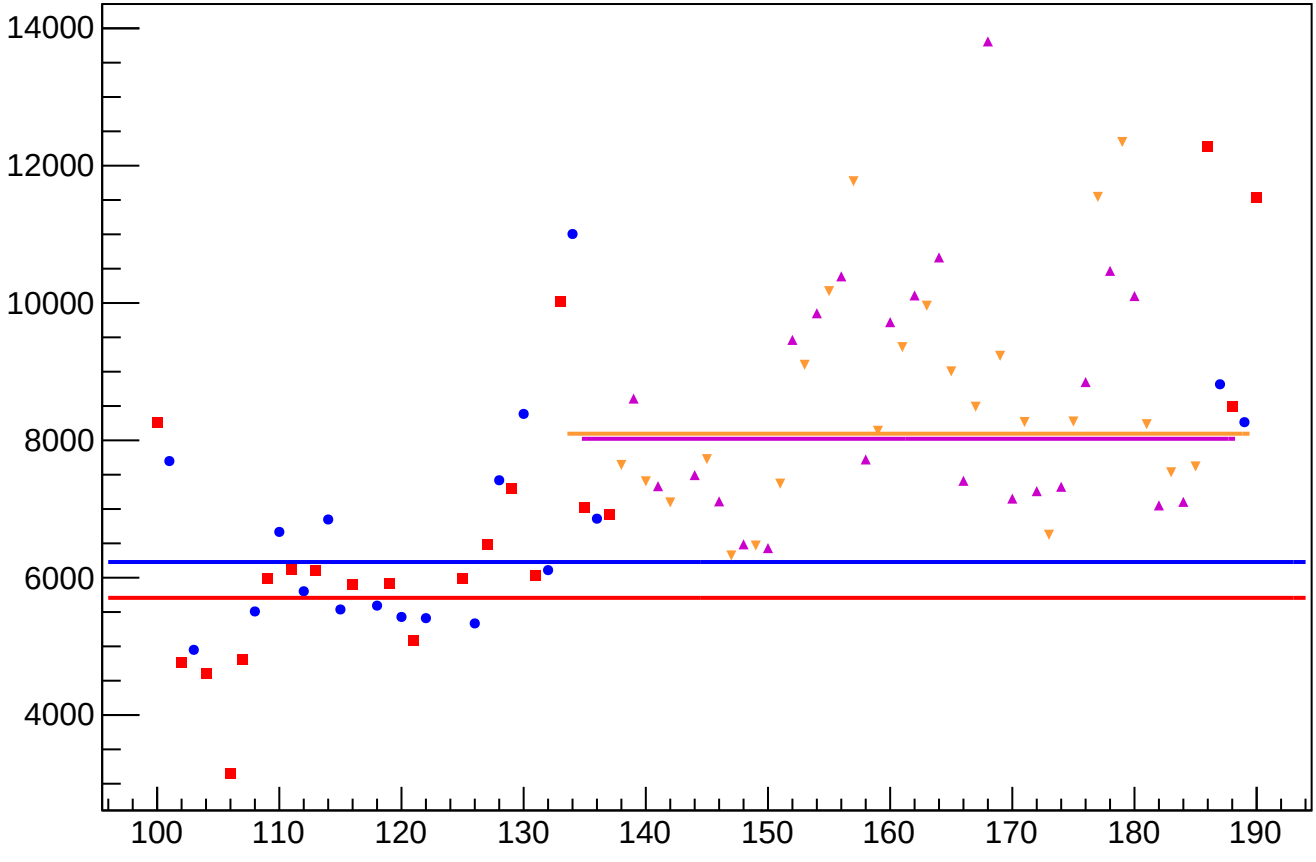
Right: 996.347+/-1491.123 χ^2/NDF: 39.5/38

In: 739.431+/-1459.784 χ^2/NDF:28.8/40

Out: 538.957+/-1379.945 χ^2/NDF:53.0/44

All: 633.562+/-1002.806 χ^2/NDF: 81.8/85

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6228.354+/-1.598 χ^2/NDF: 572431.9/17

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5706.548+/-1.403 χ^2/NDF: 1471614.8/20

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

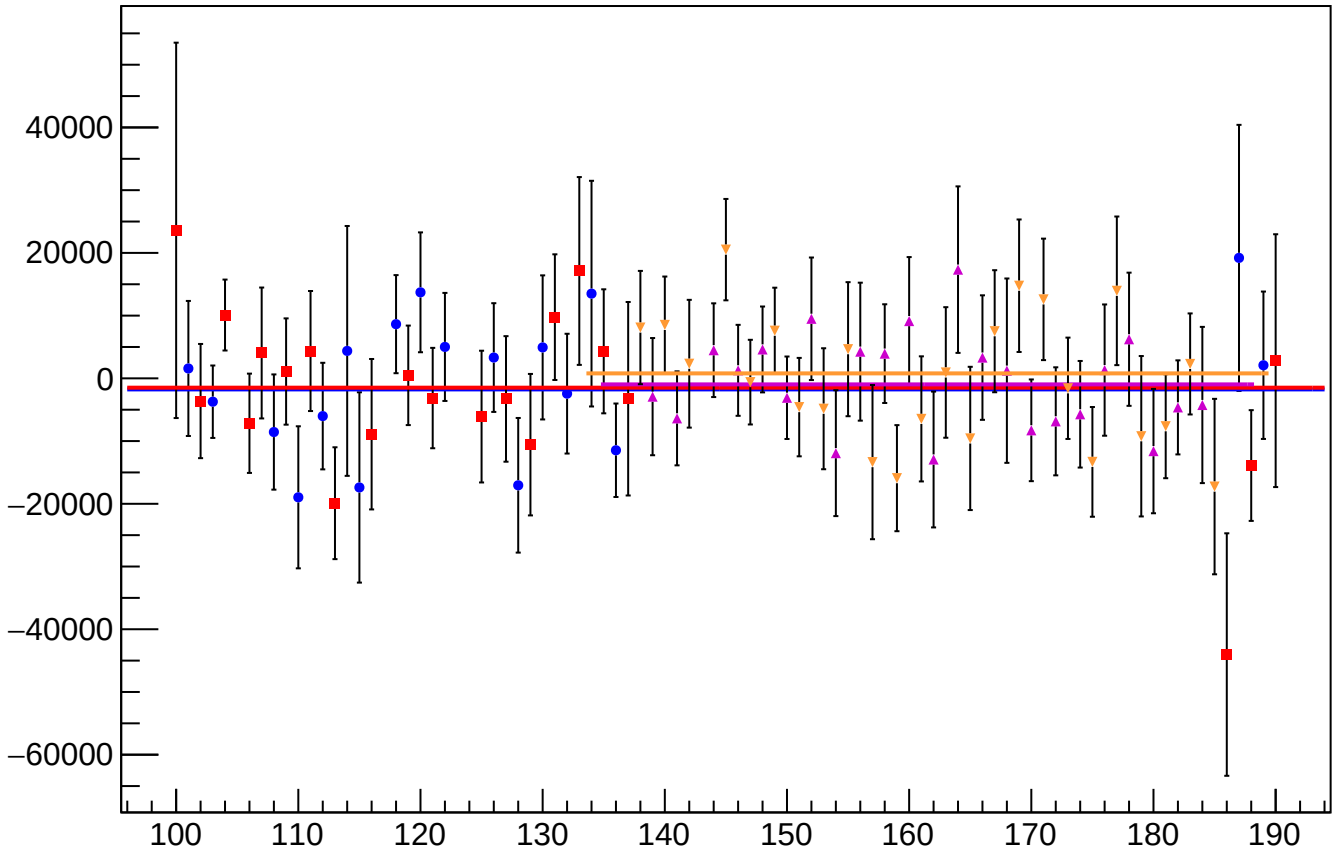
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 5933.762+/-1.054 χ^2/NDF: 2104255.4/38

In: 7273.894+/-1.032 χ^2/NDF:2532811.5/40

Out: 6941.098+/-0.976 χ^2/NDF:4057966.2/44

All: 7098.147+/-0.709 χ^2/NDF: 6645670.9/85



Right In: -1763.322+/-2288.712 χ^2/NDF: 15.7/17

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -1487.797+/-2135.589 χ^2/NDF: 21.9/20

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

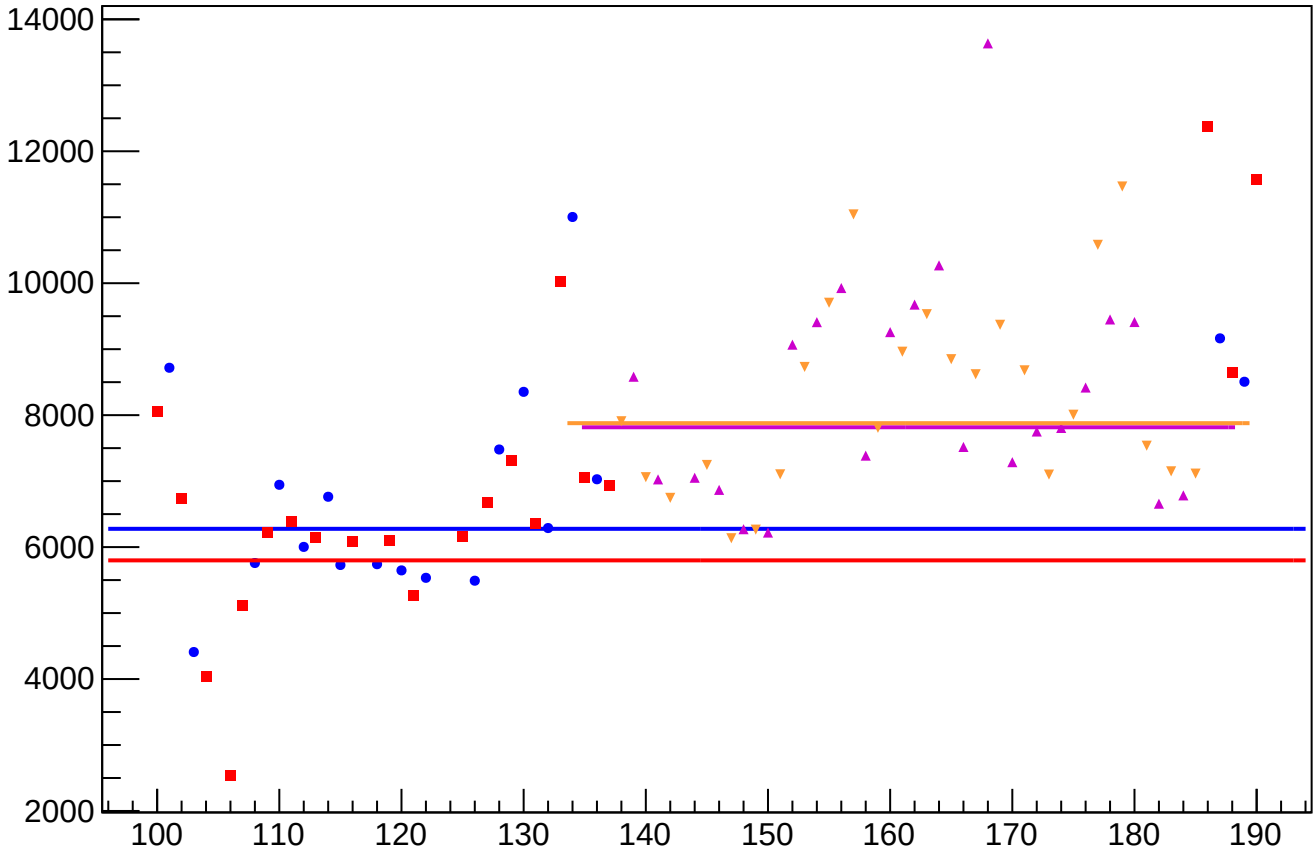
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1616.035+/-1561.418 χ^2/NDF: 37.6/38

In: -1281.900+/-1443.407 χ^2/NDF:28.6/40

Out: -194.885+/-1404.789 χ^2/NDF:49.7/44

All: -723.657+/-1006.712 χ^2/NDF: 78.5/85



Right In: 6277.068+/-1.618 χ^2/NDF: 738701.1/17

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 5798.681+/-1.460 χ^2/NDF: 1794775.2/20

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

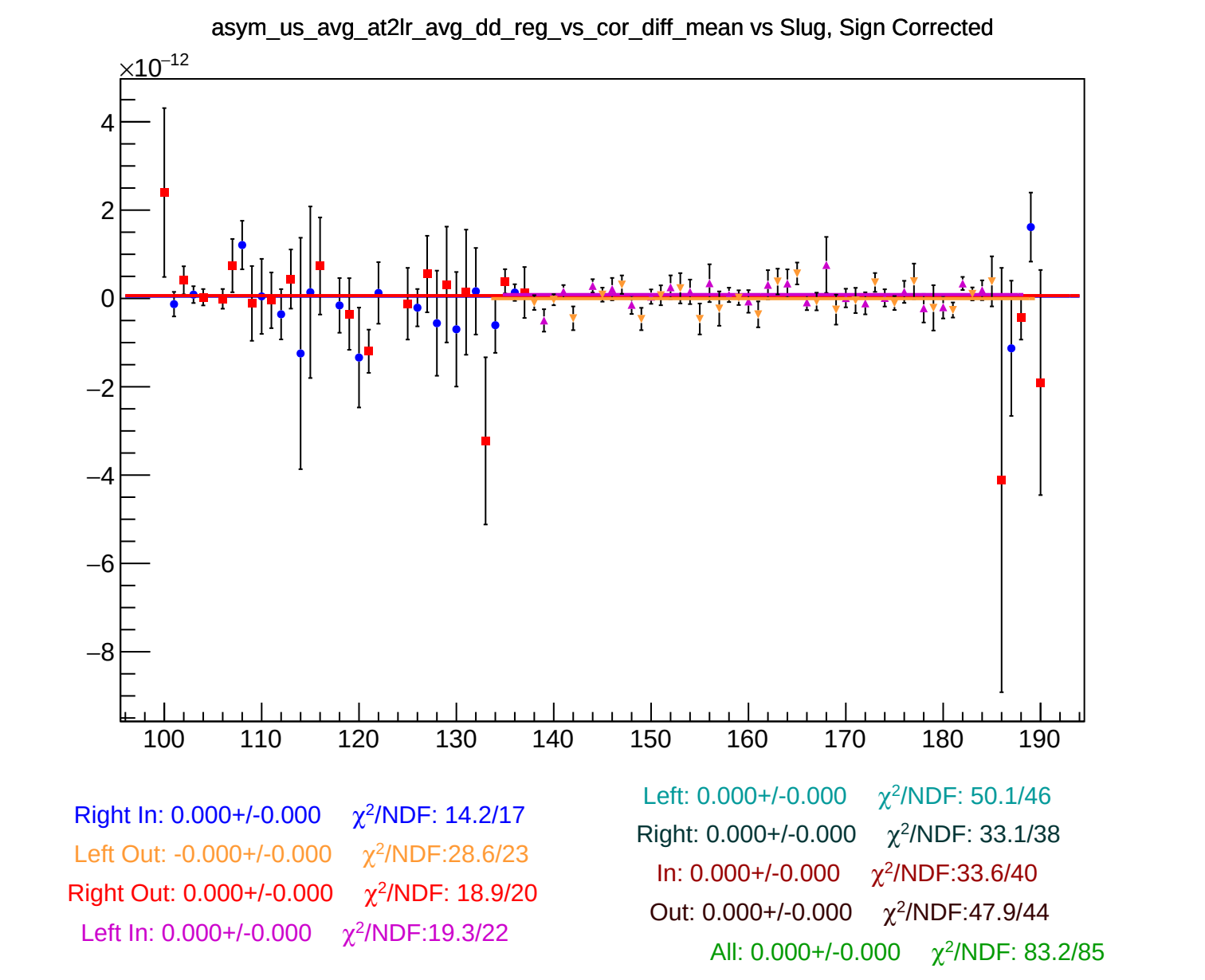
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6013.345+/-1.084 χ^2/NDF: 2581646.7/38

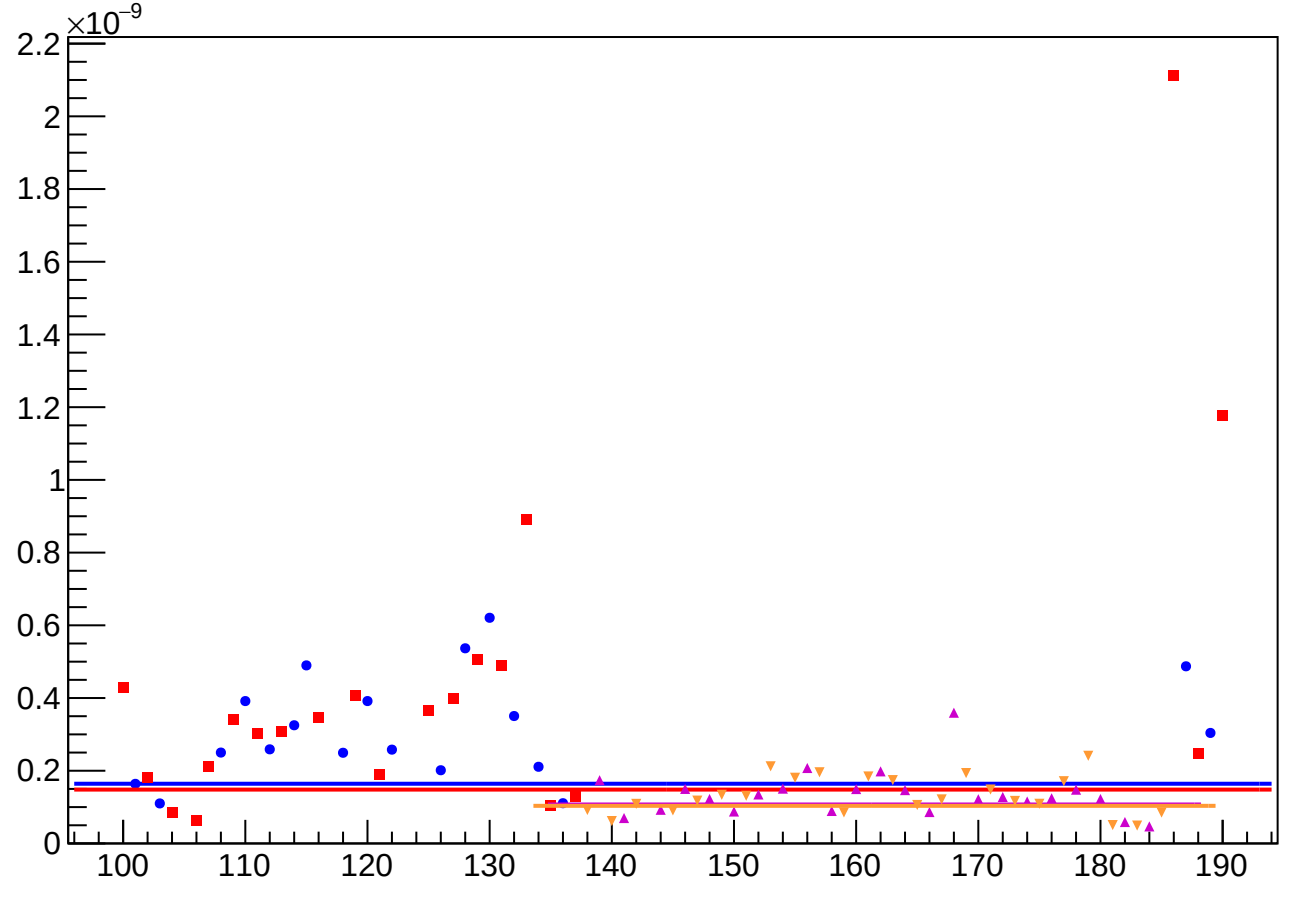
In: 7204.176+/-1.021 χ^2/NDF:2415984.0/40

Out: 6944.026+/-0.979 χ^2/NDF:3902214.6/44

All: 7068.646+/-0.706 χ^2/NDF: 6352045.1/85


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.2/17
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.9/20
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: 33.1/38
In: 0.000+/-0.000 χ²/NDF:33.6/40
Out: 0.000+/-0.000 χ²/NDF:47.9/44
All: 0.000+/-0.000 χ²/NDF: 83.2/85

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1485428.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2914339.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

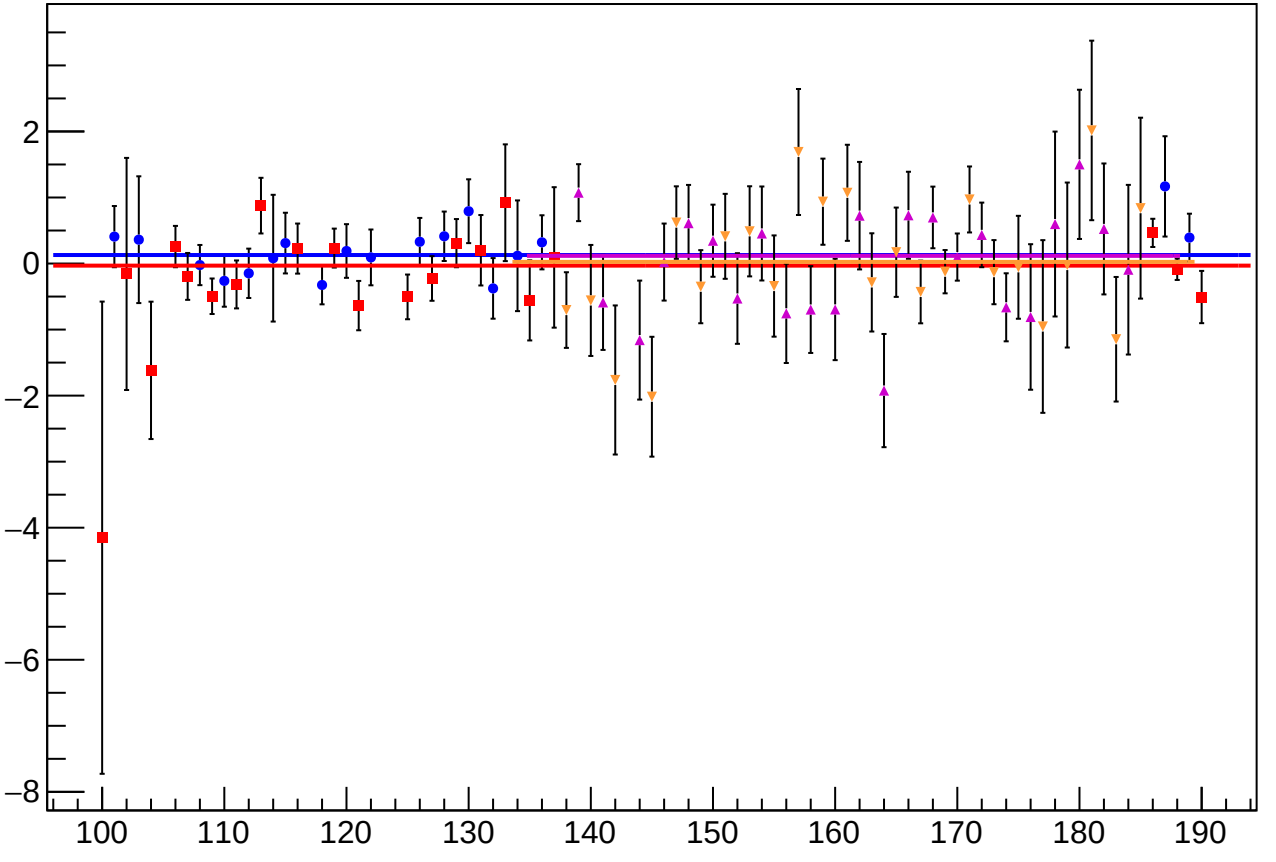
Right: 0.000+/-0.000 χ^2/NDF: 4424935.0/38

In: 0.000+/-0.000 χ^2/NDF:3599972.8/40

Out: 0.000+/-0.000 χ^2/NDF:5151368.0/44

All: 0.000+/-0.000 χ^2/NDF: 8770877.9/85

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

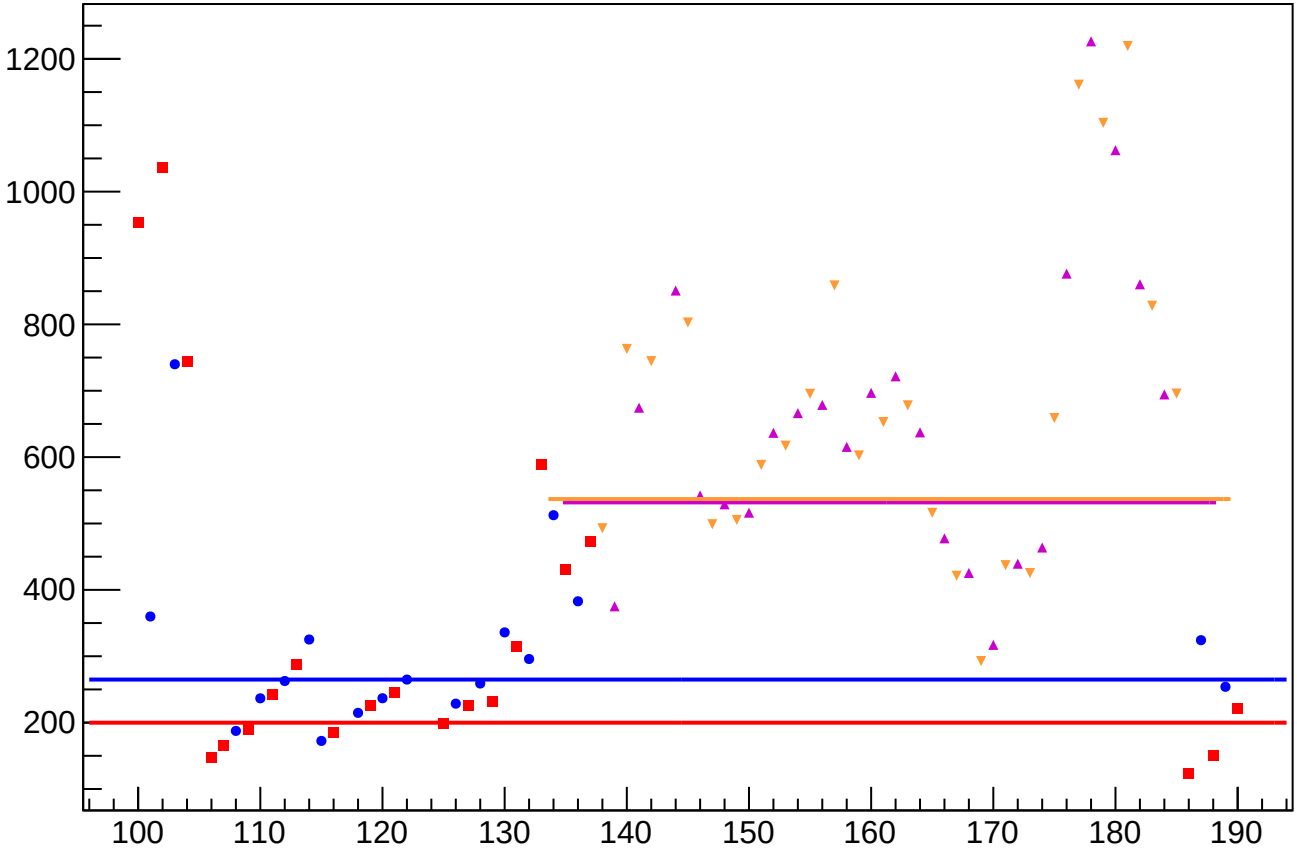
Right: 0.027+/-0.061 χ^2/NDF: 42.1/38

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.040+/-0.051 χ^2/NDF: 99.4/85

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.882+/-0.071 χ^2/NDF: 1298041.6/17

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

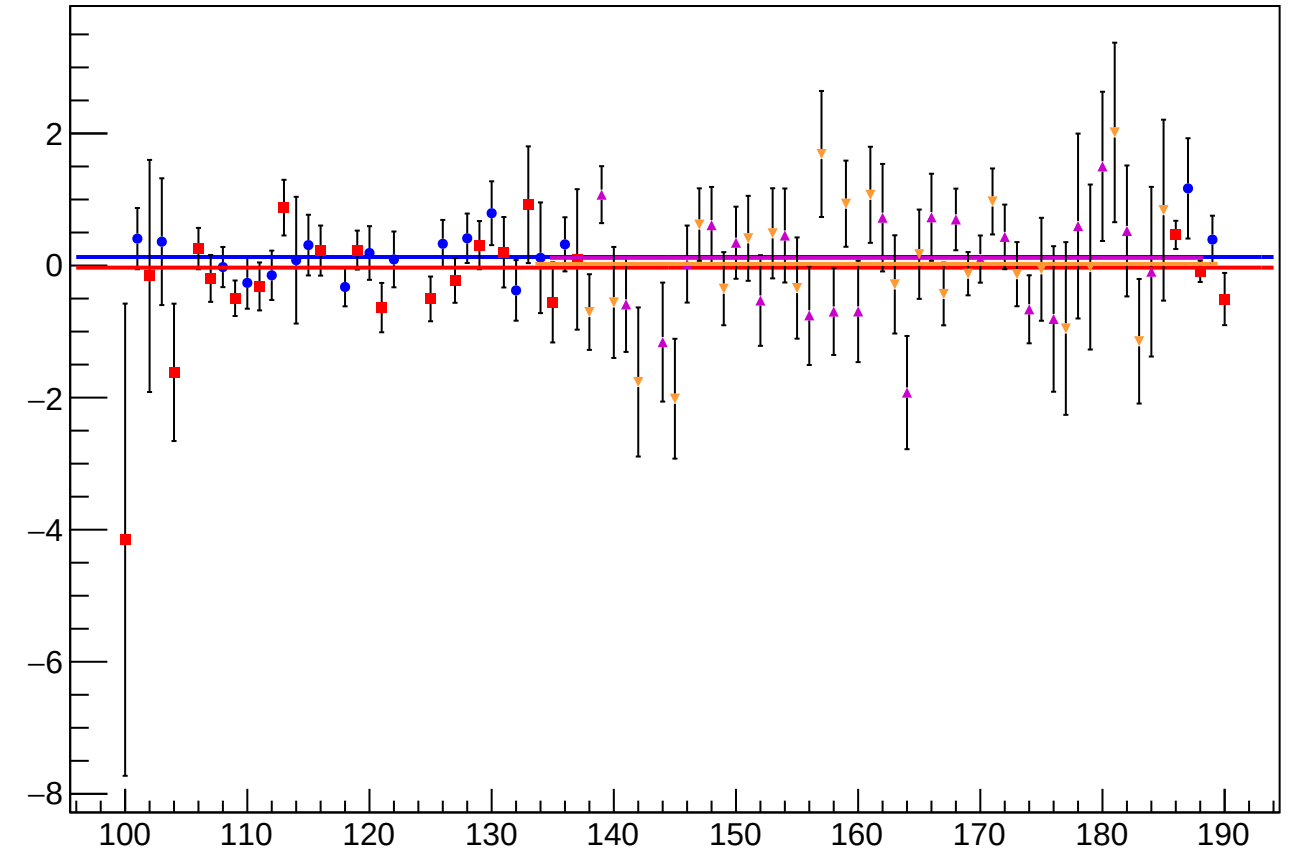
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 223.744+/-0.043 χ^2/NDF: 4543327.7/38

In: 361.808+/-0.056 χ^2/NDF:9849601.4/40

Out: 282.204+/-0.047 χ^2/NDF:16233799.2/44

All: 314.652+/-0.036 χ^2/NDF: 27261552.5/85



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

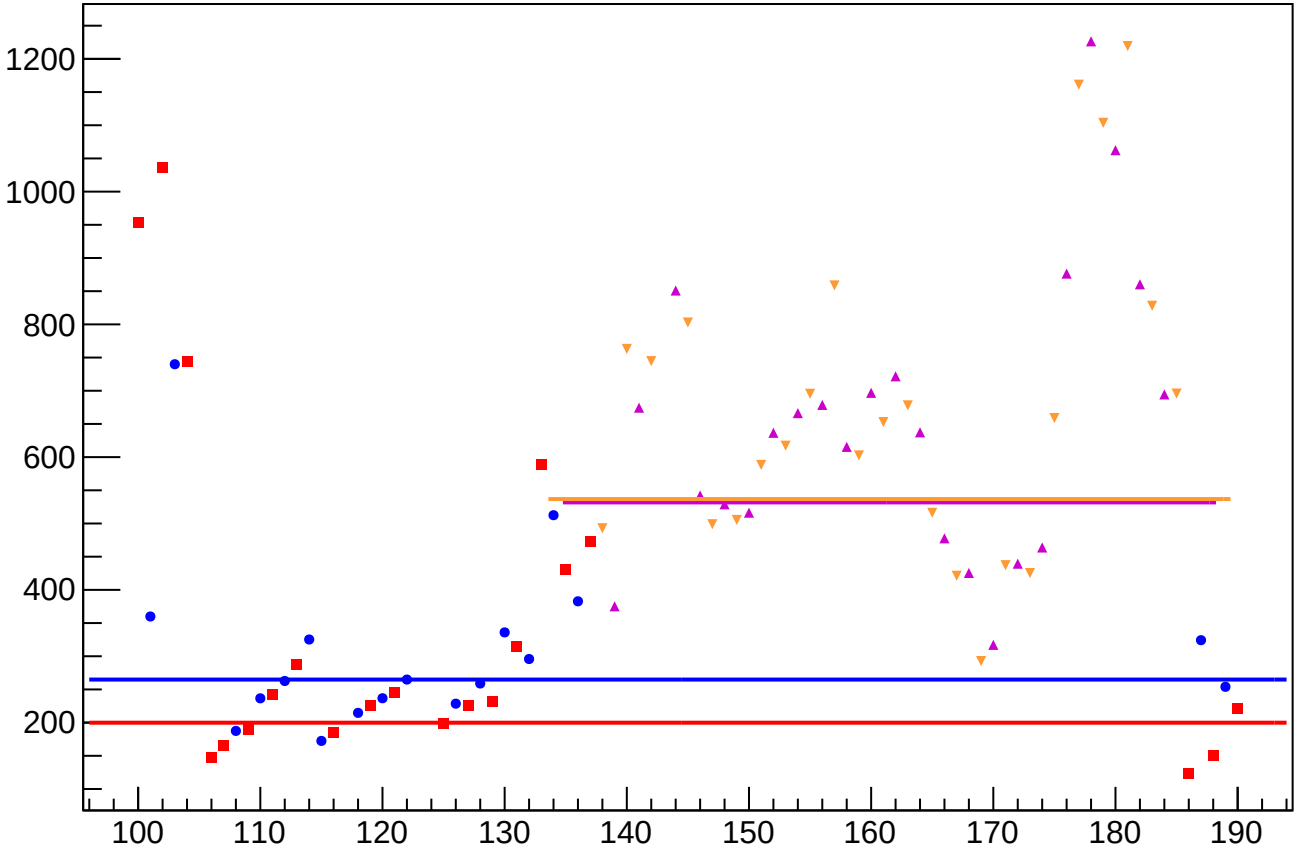
Right: 0.027+/-0.061 χ^2/NDF: 42.1/38

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.040+/-0.051 χ^2/NDF: 99.4/85

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.882+/-0.071 χ^2/NDF: 1298041.6/17

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

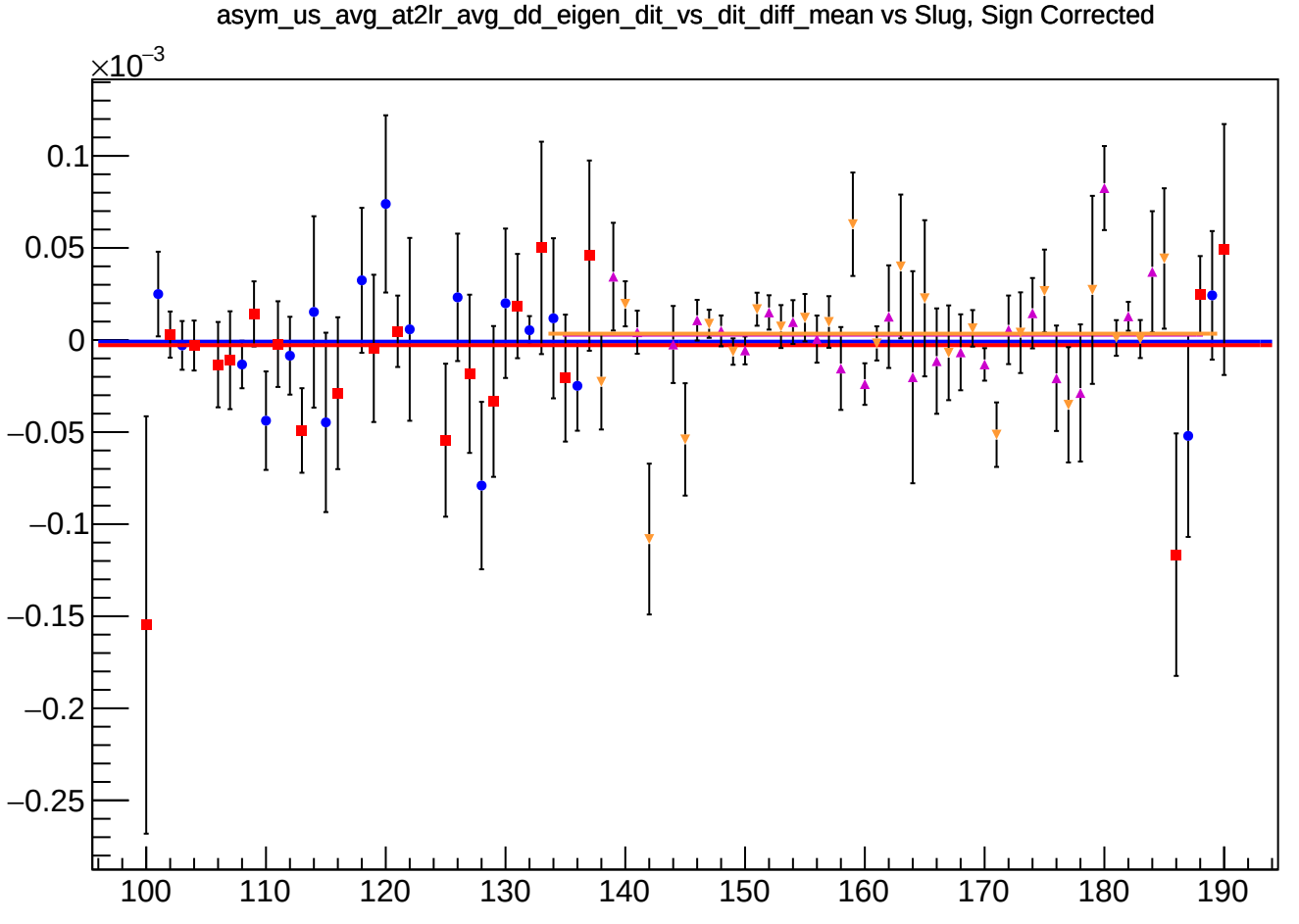
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 223.744+/-0.043 χ^2/NDF: 4543327.7/38

In: 361.808+/-0.056 χ^2/NDF:9849601.4/40

Out: 282.204+/-0.047 χ^2/NDF:16233799.2/44

All: 314.652+/-0.036 χ^2/NDF: 27261552.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

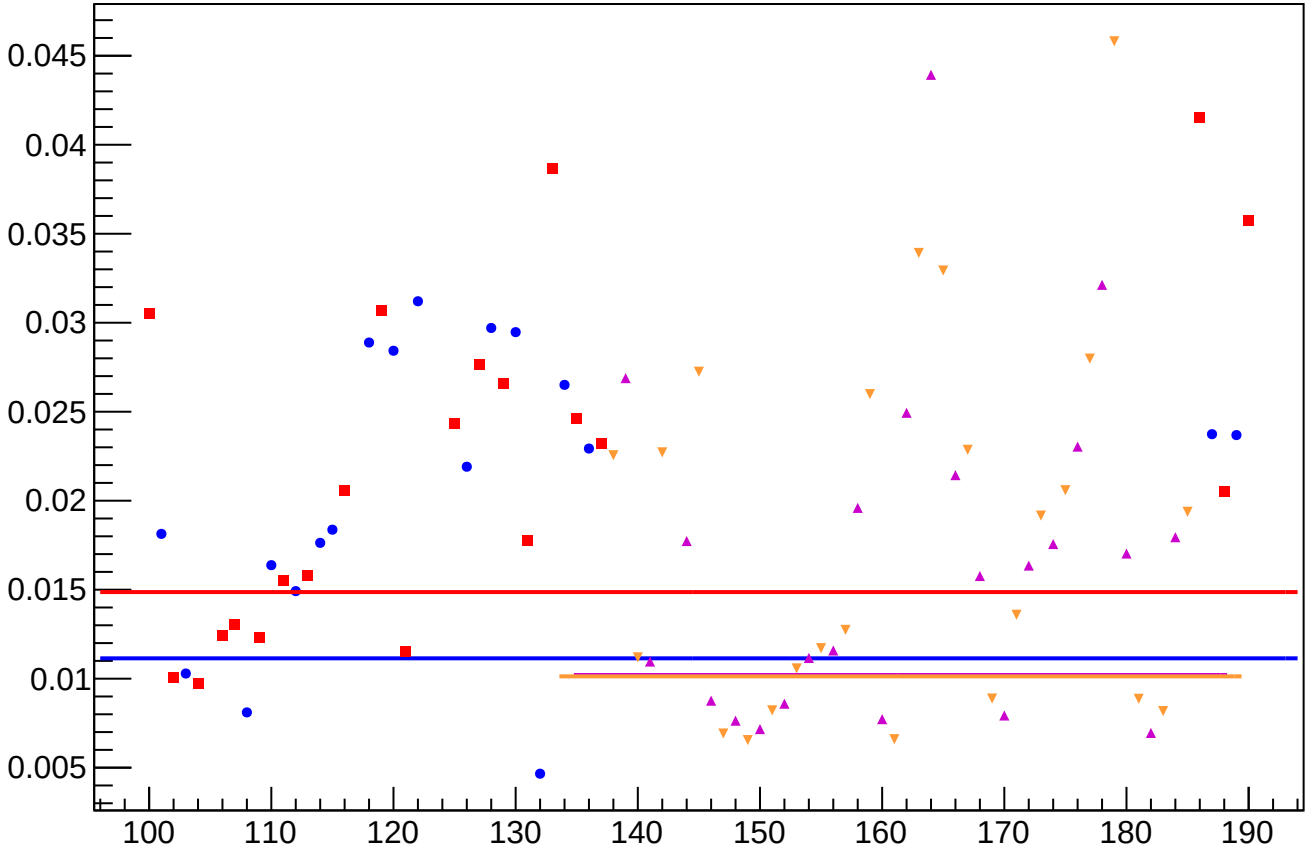
Right: -0.000+/-0.000 χ^2/NDF: 33.8/38

In: 0.000+/-0.000 χ^2/NDF:48.4/40

Out: 0.000+/-0.000 χ^2/NDF:58.0/44

All: 0.000+/-0.000 χ^2/NDF: 106.4/85

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4954036.0/17

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.015+/-0.000 χ^2/NDF: 2783086.6/20

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

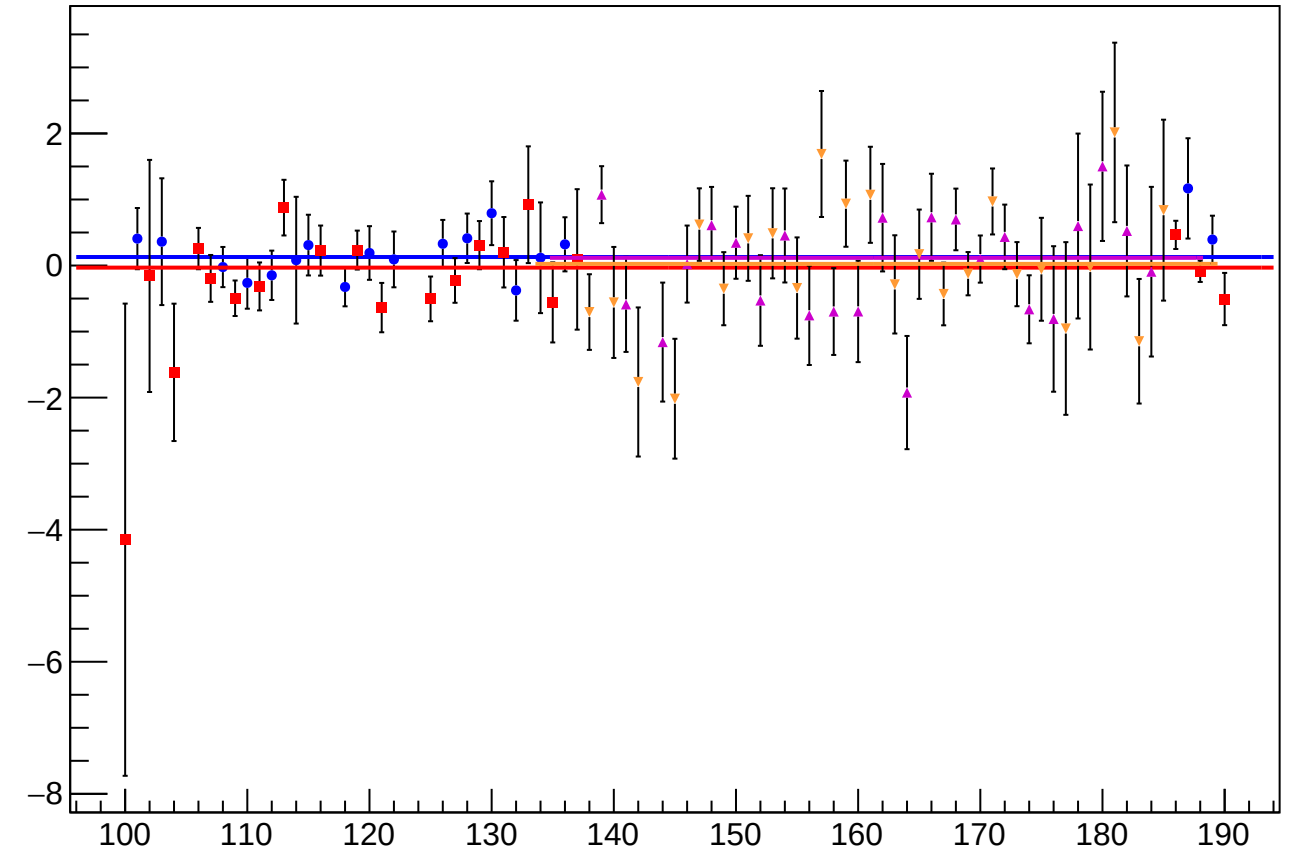
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.013+/-0.000 χ^2/NDF: 8249738.7/38

In: 0.010+/-0.000 χ^2/NDF:11085295.5/40

Out: 0.011+/-0.000 χ^2/NDF:11786066.9/44

All: 0.011+/-0.000 χ^2/NDF: 22940847.1/85



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

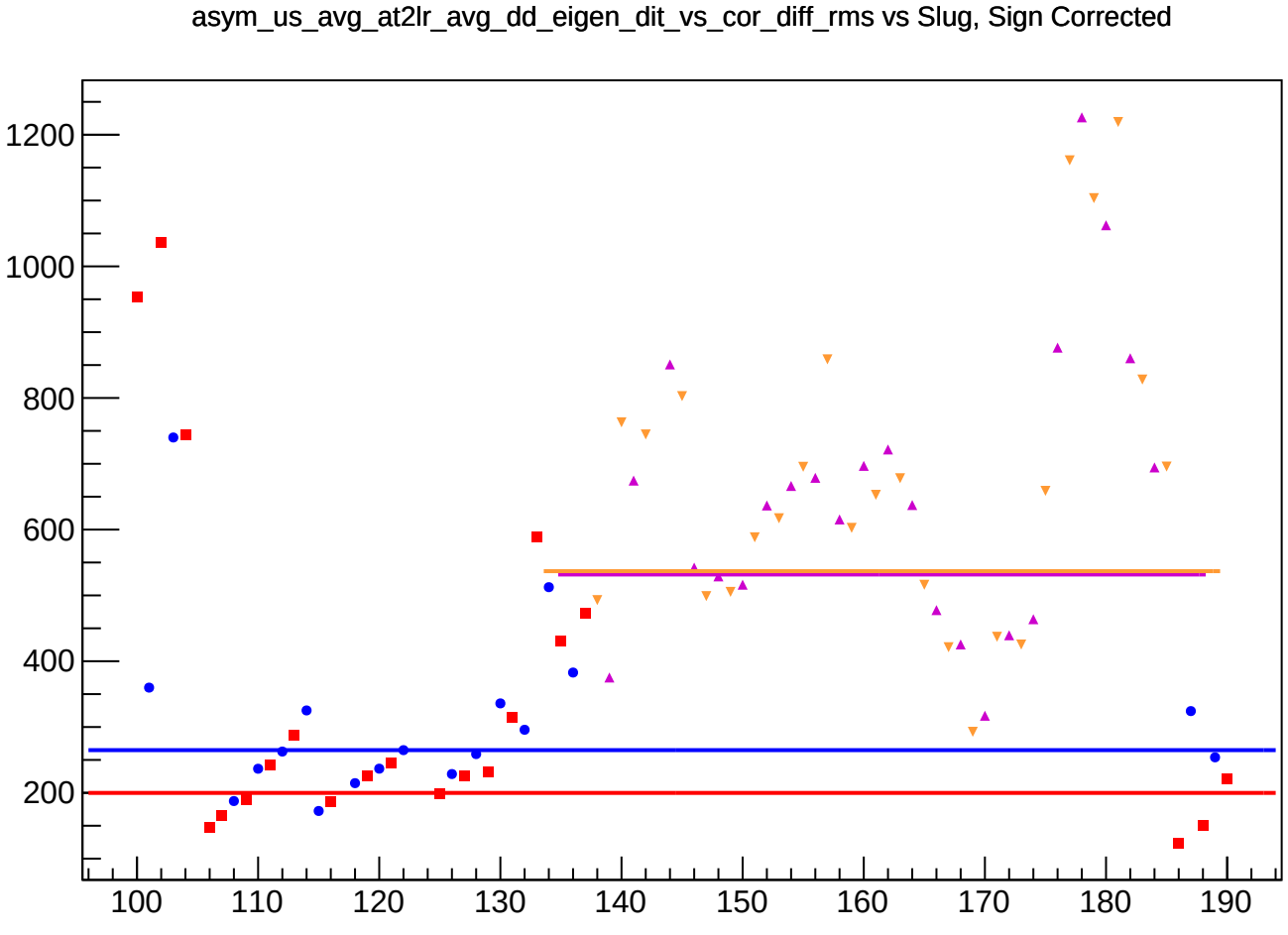
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.027+/-0.061 χ^2/NDF: 42.1/38

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.040+/-0.051 χ^2/NDF: 99.4/85



Right In: 264.880+/-0.071 χ^2/NDF: 1298015.1/17

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 199.886+/-0.054 χ^2/NDF: 2710926.7/20

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

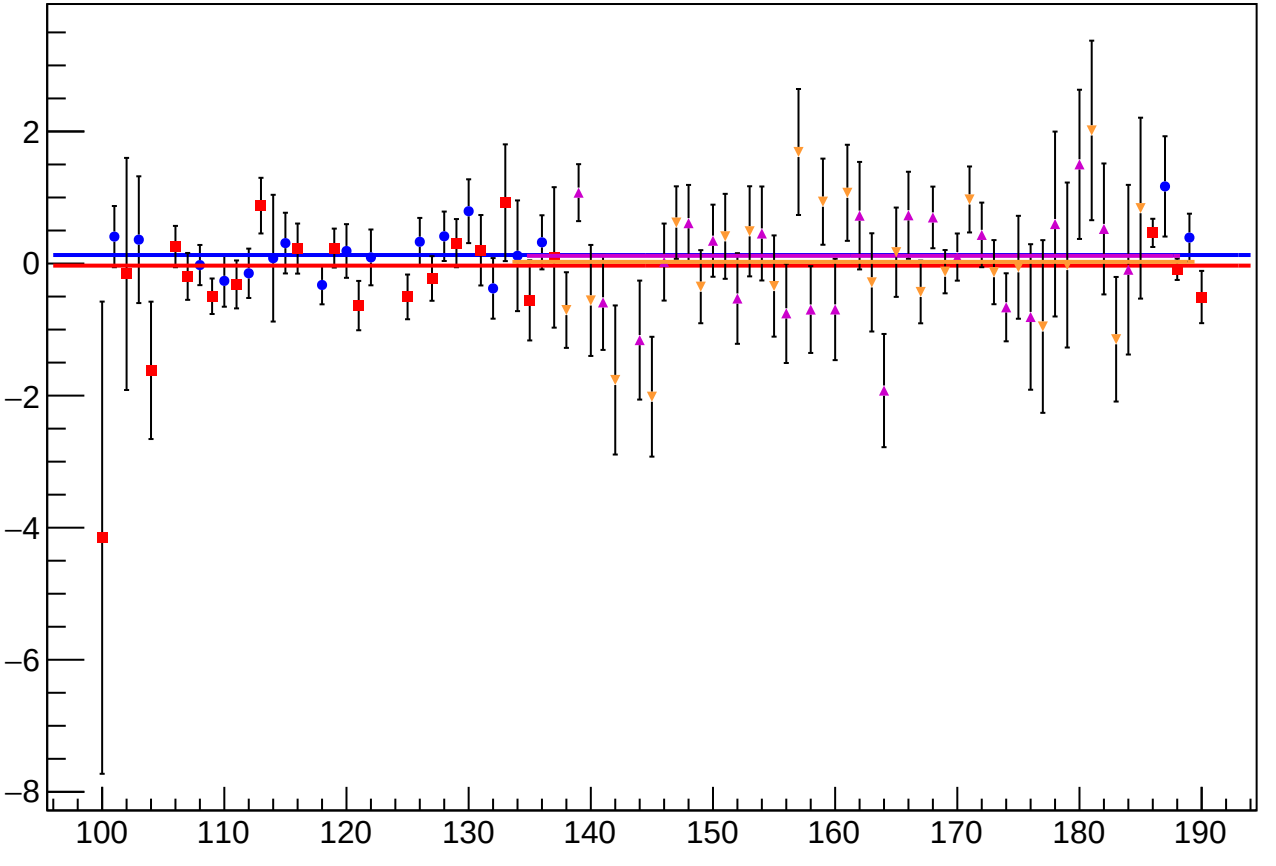
Right: 223.741+/-0.043 χ^2/NDF: 4543380.1/38

In: 361.806+/-0.056 χ^2/NDF:9849831.1/40

Out: 282.200+/-0.047 χ^2/NDF:16234200.3/44

All: 314.649+/-0.036 χ^2/NDF: 27262241.8/85

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

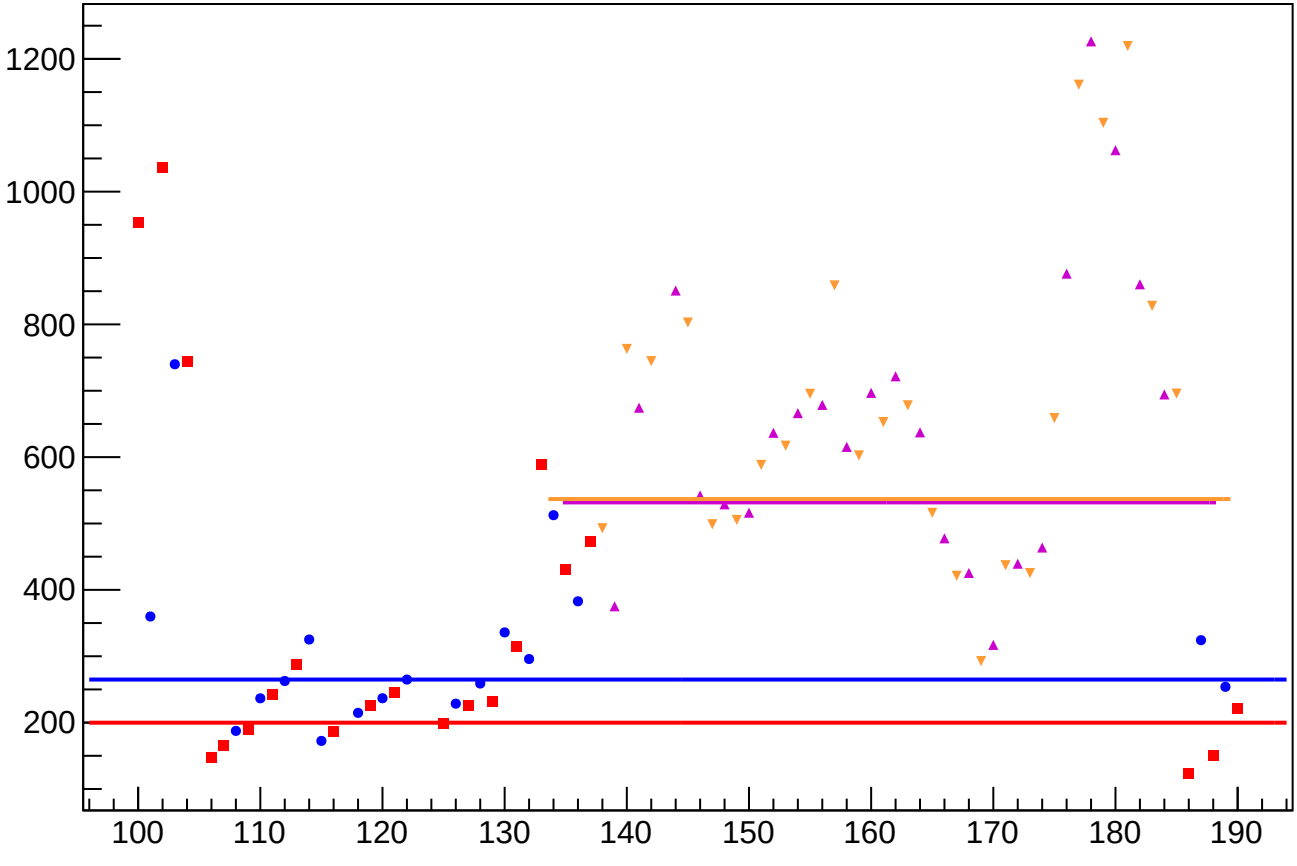
Right: 0.027+/-0.061 χ^2/NDF: 42.1/38

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.040+/-0.051 χ^2/NDF: 99.4/85

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.880+/-0.071 χ^2/NDF: 1298015.1/17

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 199.886+/-0.054 χ^2/NDF: 2710926.7/20

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

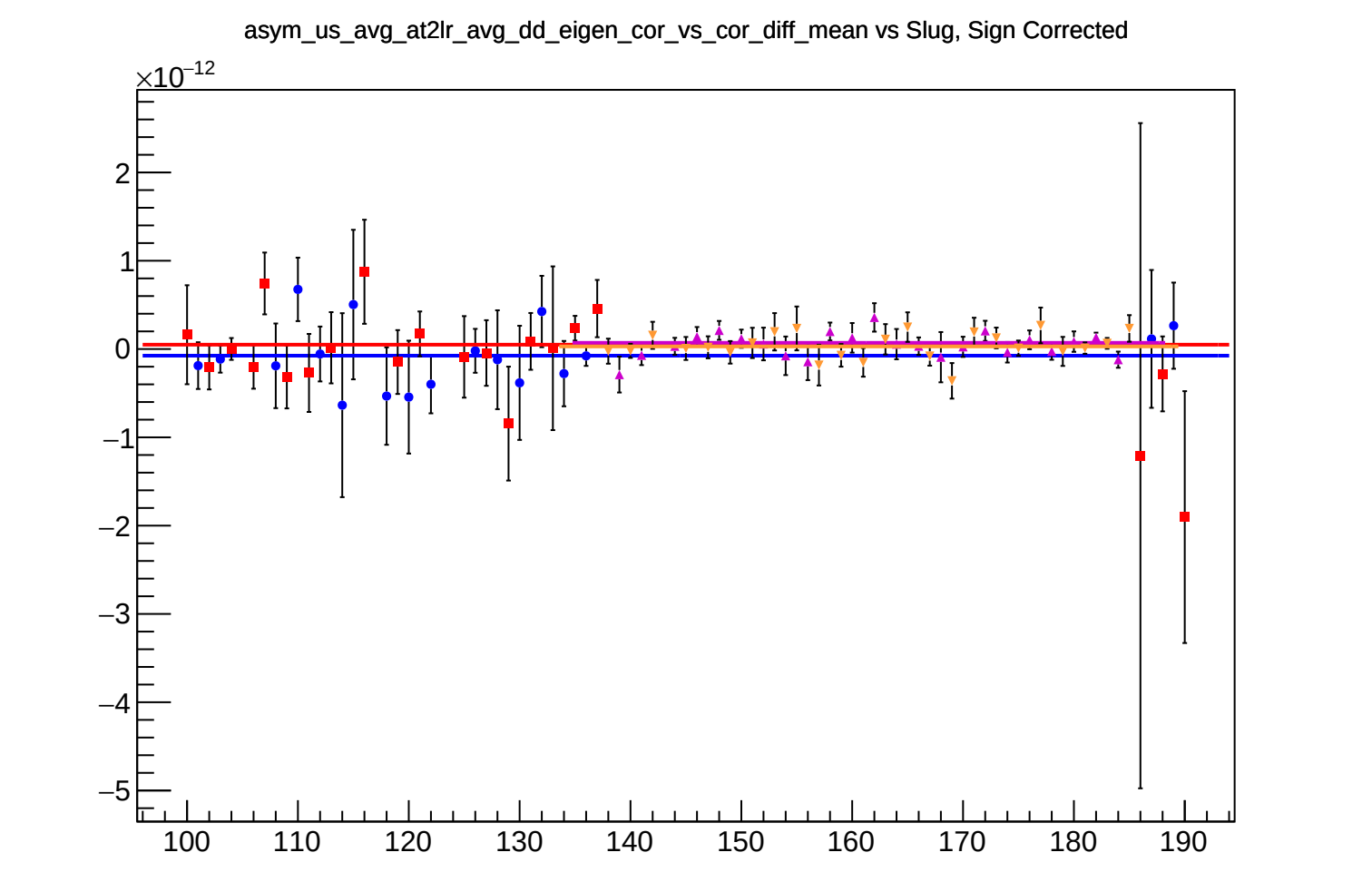
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 223.741+/-0.043 χ^2/NDF: 4543380.1/38

In: 361.806+/-0.056 χ^2/NDF:9849831.1/40

Out: 282.200+/-0.047 χ^2/NDF:16234200.3/44

All: 314.649+/-0.036 χ^2/NDF: 27262241.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 10.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/20

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

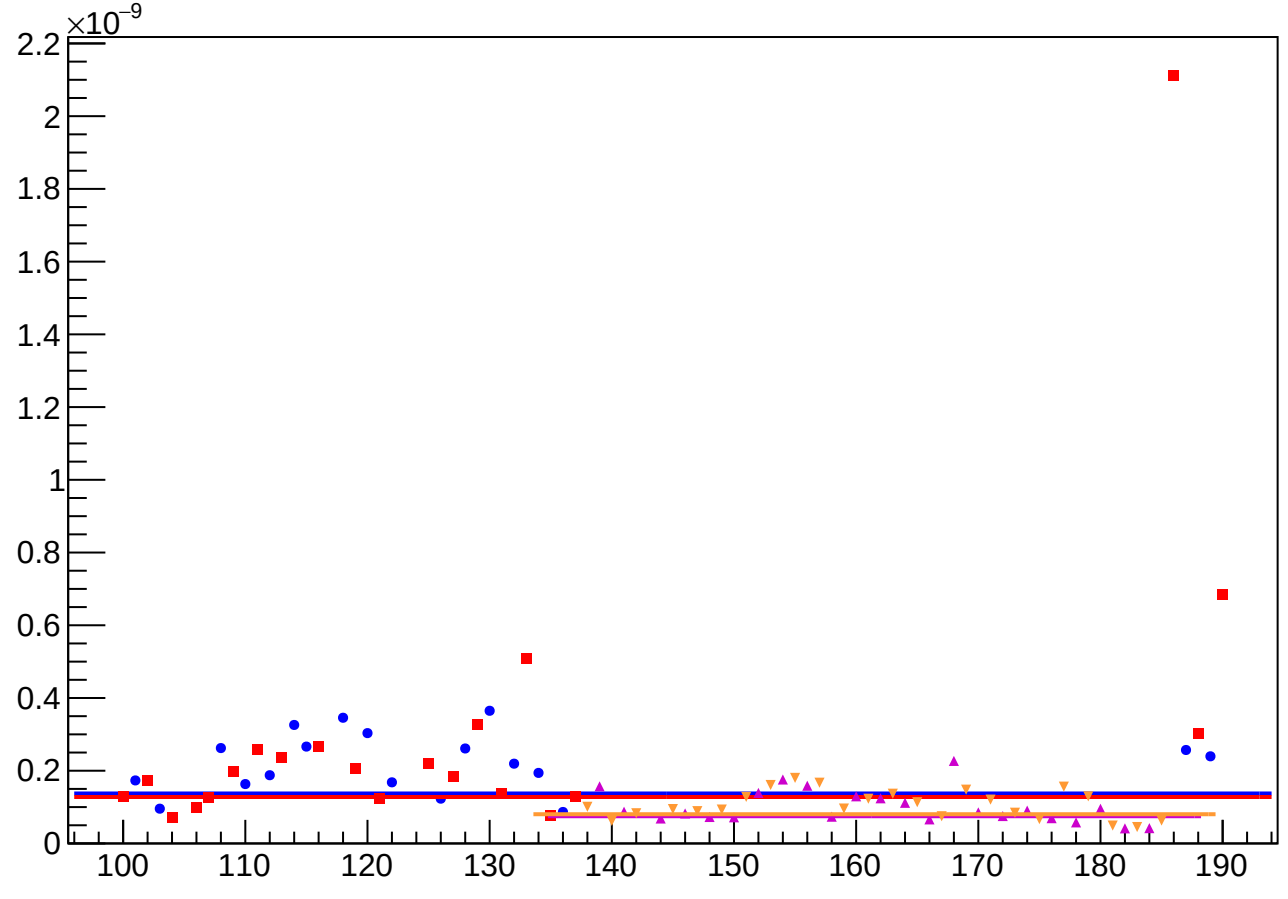
Right: -0.000+/-0.000 χ^2/NDF: 30.4/38

In: 0.000+/-0.000 χ^2/NDF:37.8/40

Out: 0.000+/-0.000 χ^2/NDF:36.2/44

All: 0.000+/-0.000 χ^2/NDF: 74.5/85

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: 1953452.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3214790.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

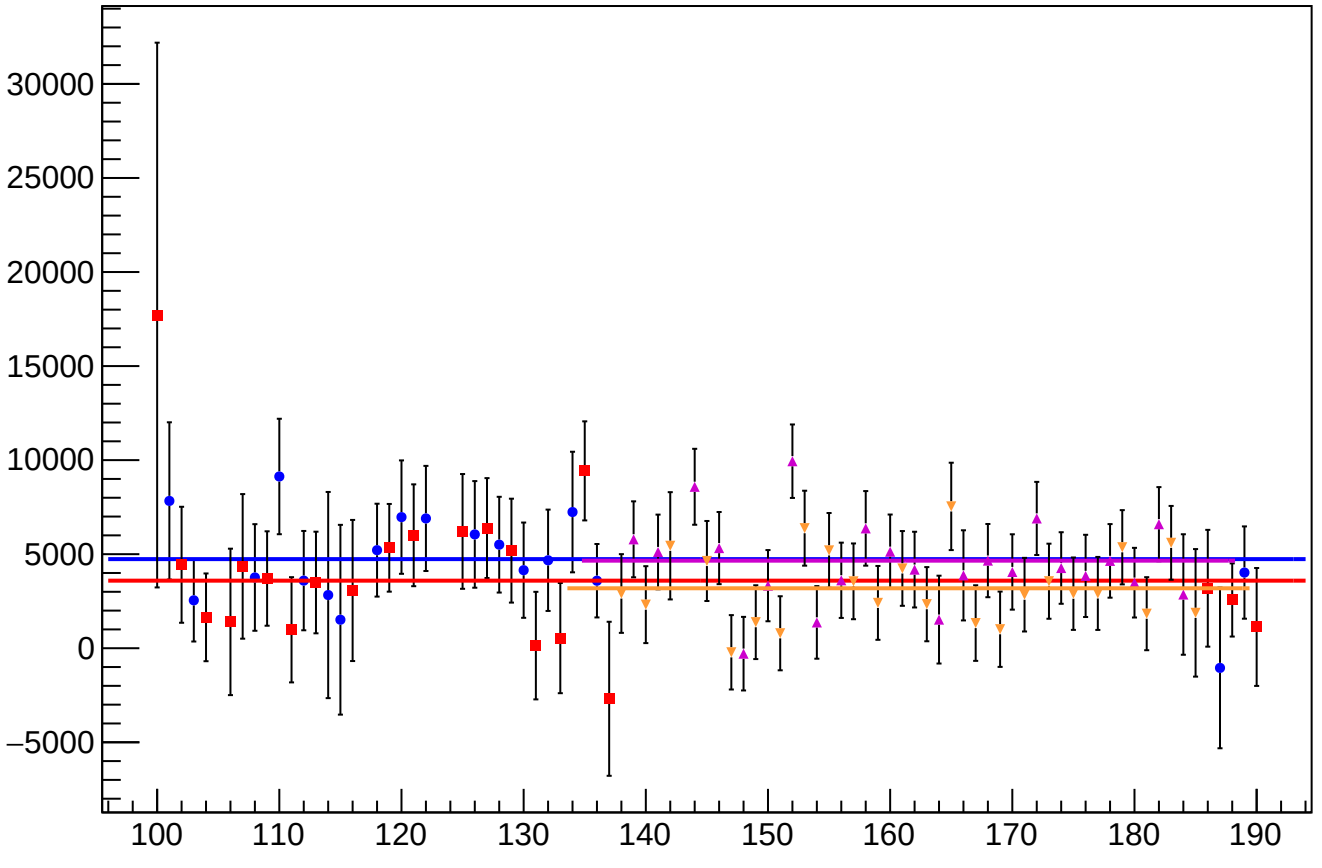
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 5189725.9/38

In: 0.000+/-0.000 χ^2/NDF:7130599.3/40

Out: 0.000+/-0.000 χ^2/NDF:7911256.3/44

All: 0.000+/-0.000 χ^2/NDF: 15092542.1/85



Right In: 4737.521+/-664.019 χ^2/NDF: 8.9/17

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3592.171+/-628.011 χ^2/NDF: 17.2/20

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

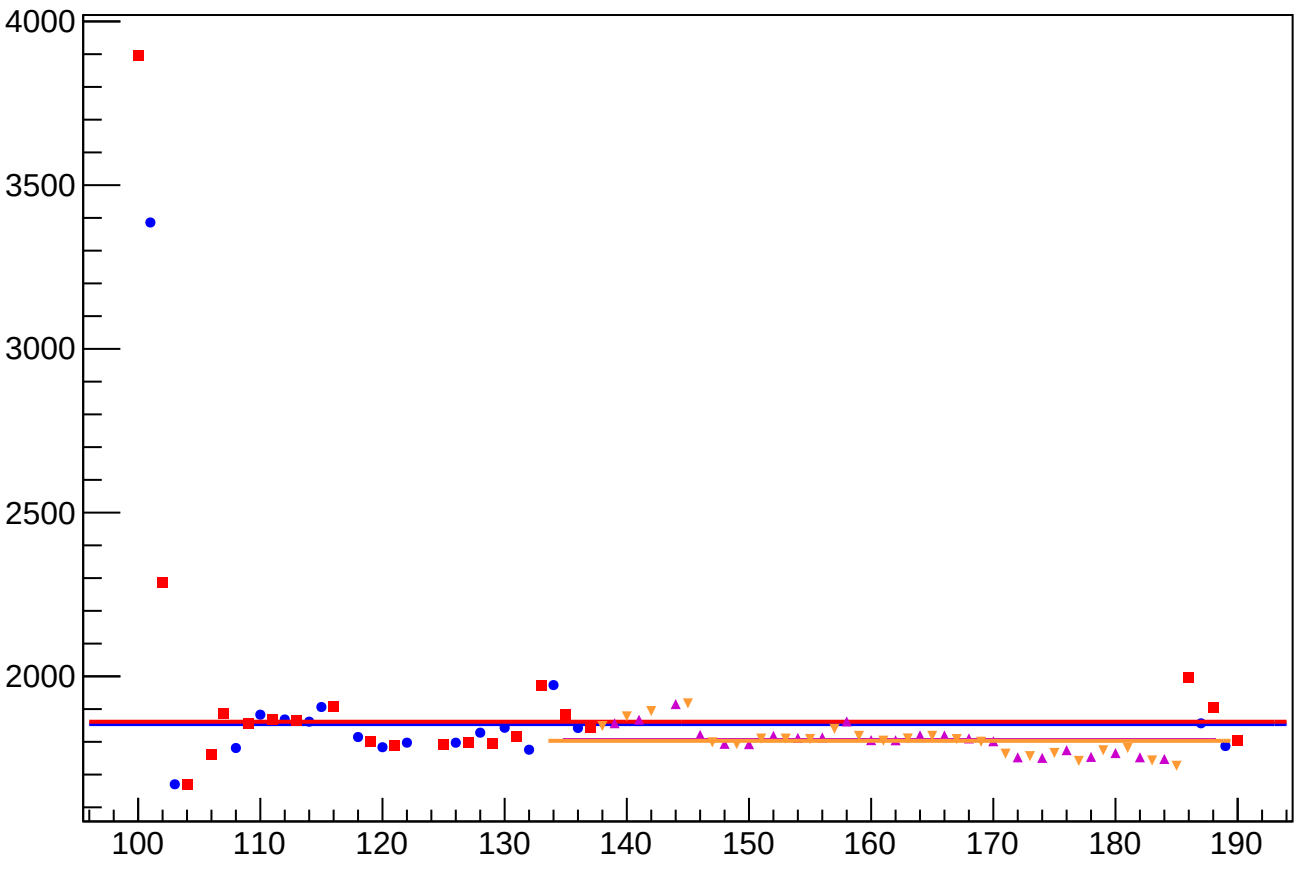
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4132.950+/-456.270 χ^2/NDF: 27.7/38

In: 4678.863+/-355.975 χ^2/NDF:36.6/40

Out: 3311.732+/-348.326 χ^2/NDF:37.4/44

All: 3980.451+/-248.964 χ^2/NDF: 81.5/85



Right In: 1854.136+/-0.470 χ^2/NDF: 293945.6/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1861.394+/-0.443 χ^2/NDF: 108020.0/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

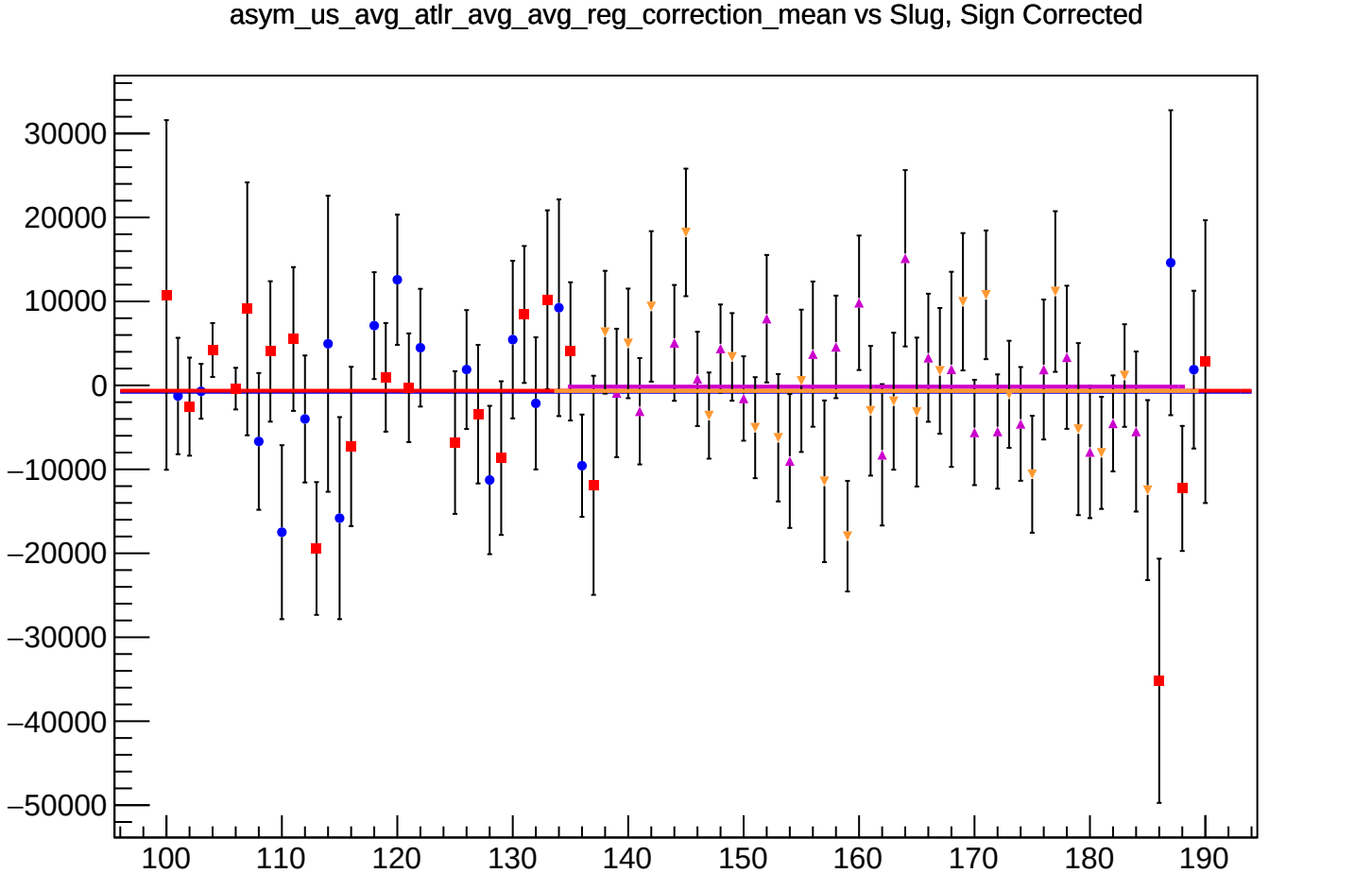
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1857.976+/-0.322 χ^2/NDF: 402092.1/38

In: 1819.519+/-0.252 χ^2/NDF:320887.8/40

Out: 1821.105+/-0.246 χ^2/NDF:140627.1/44

All: 1820.330+/-0.176 χ^2/NDF: 461535.2/85



Right In: -771.785+/-1726.038 χ^2/NDF: 15.6/17

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -635.776+/-1400.923 χ^2/NDF: 23.0/20

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

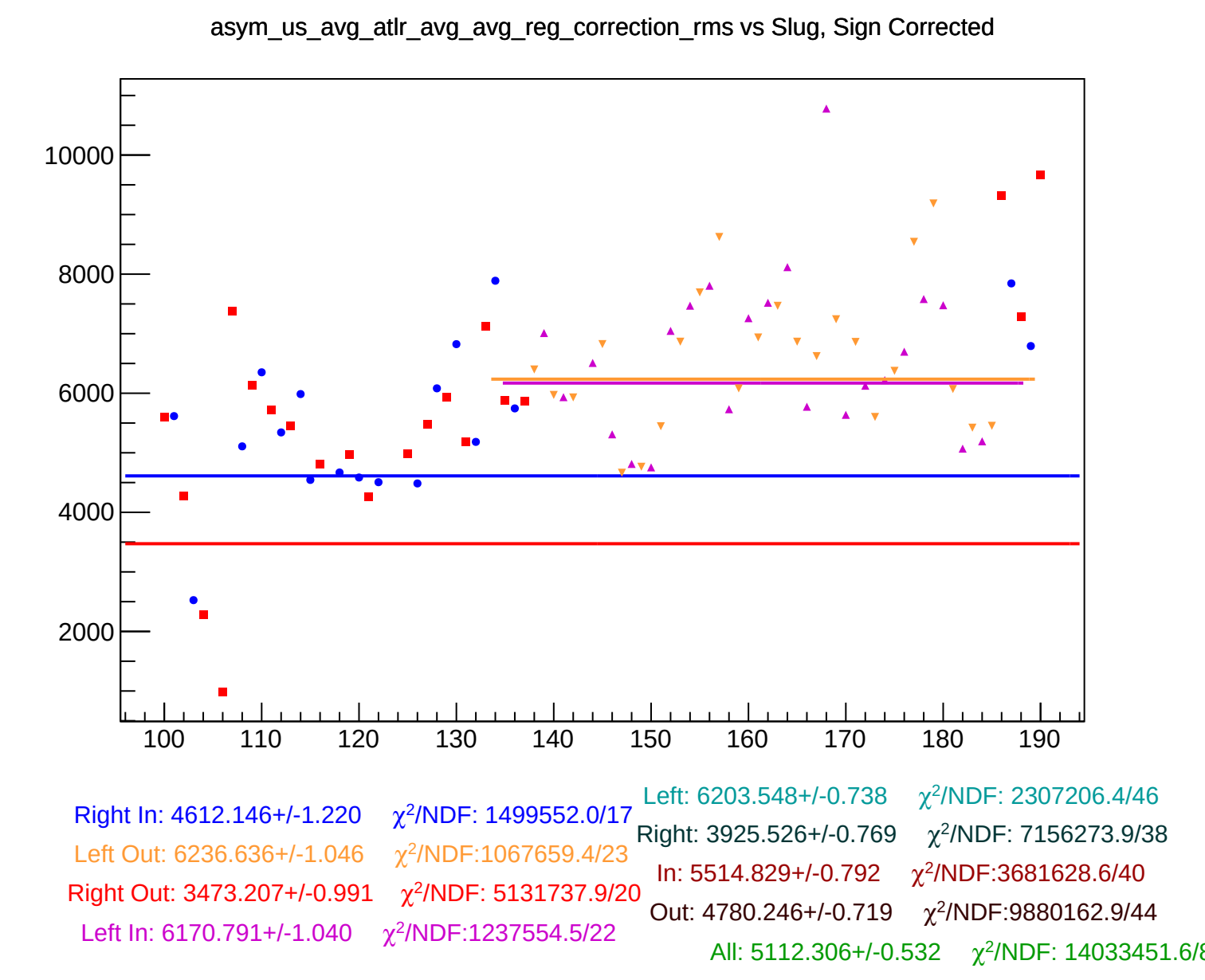
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

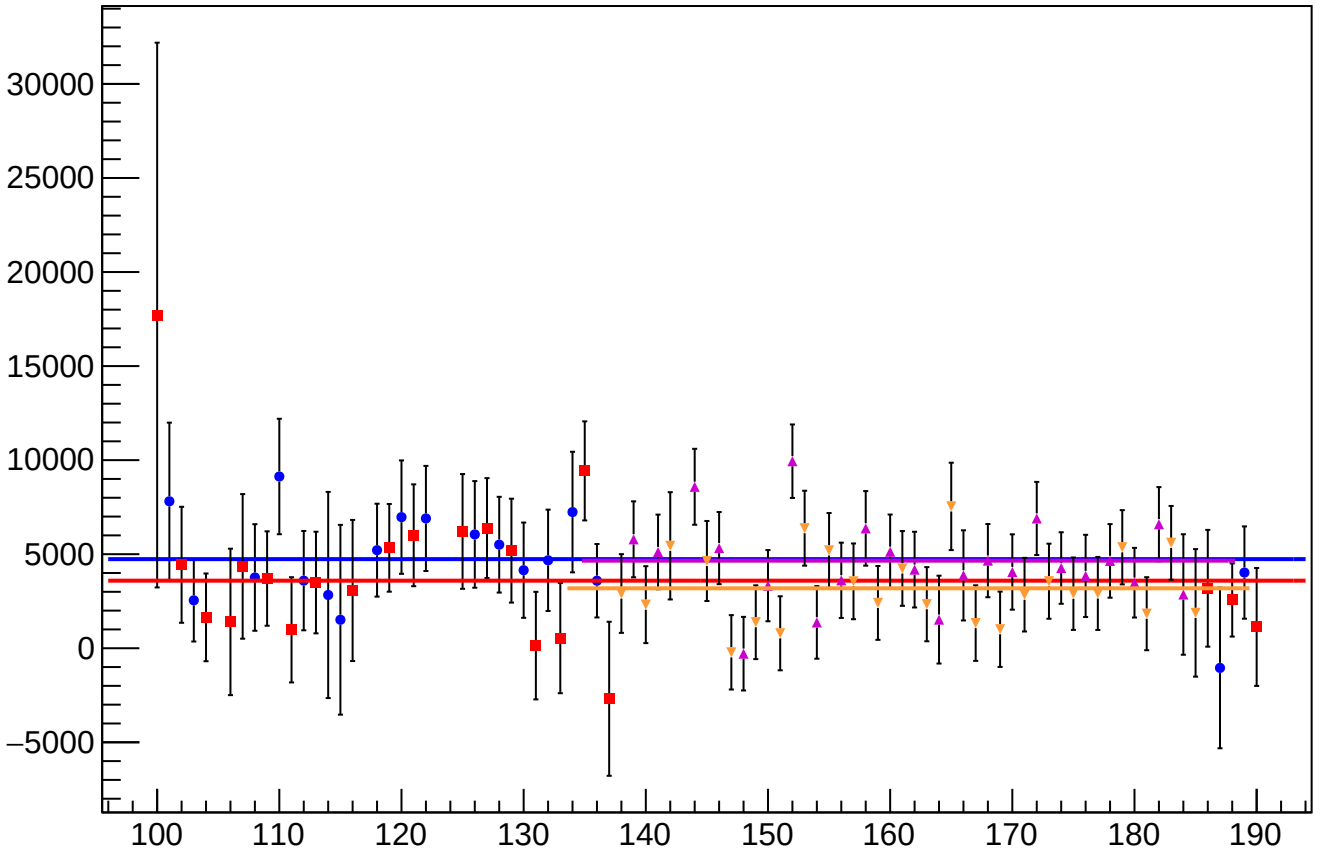
Right: -689.791+/-1087.733 χ^2/NDF: 38.6/38

In: -407.879+/-1119.737 χ^2/NDF:29.2/40

Out: -650.659+/-1017.019 χ^2/NDF:52.8/44

All: -540.913+/-752.842 χ^2/NDF: 82.0/85


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4612.146+/-1.220 χ²/NDF: 1499552.0/17
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3473.207+/-0.991 χ²/NDF: 5131737.9/20
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 3925.526+/-0.769 χ²/NDF: 7156273.9/38
In: 5514.829+/-0.792 χ²/NDF:3681628.6/40
Out: 4780.246+/-0.719 χ²/NDF:9880162.9/44
All: 5112.306+/-0.532 χ²/NDF: 14033451.6/8



Right In: 4737.131+/-664.020 χ^2/NDF: 8.8/17

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3591.967+/-628.011 χ^2/NDF: 17.2/20

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

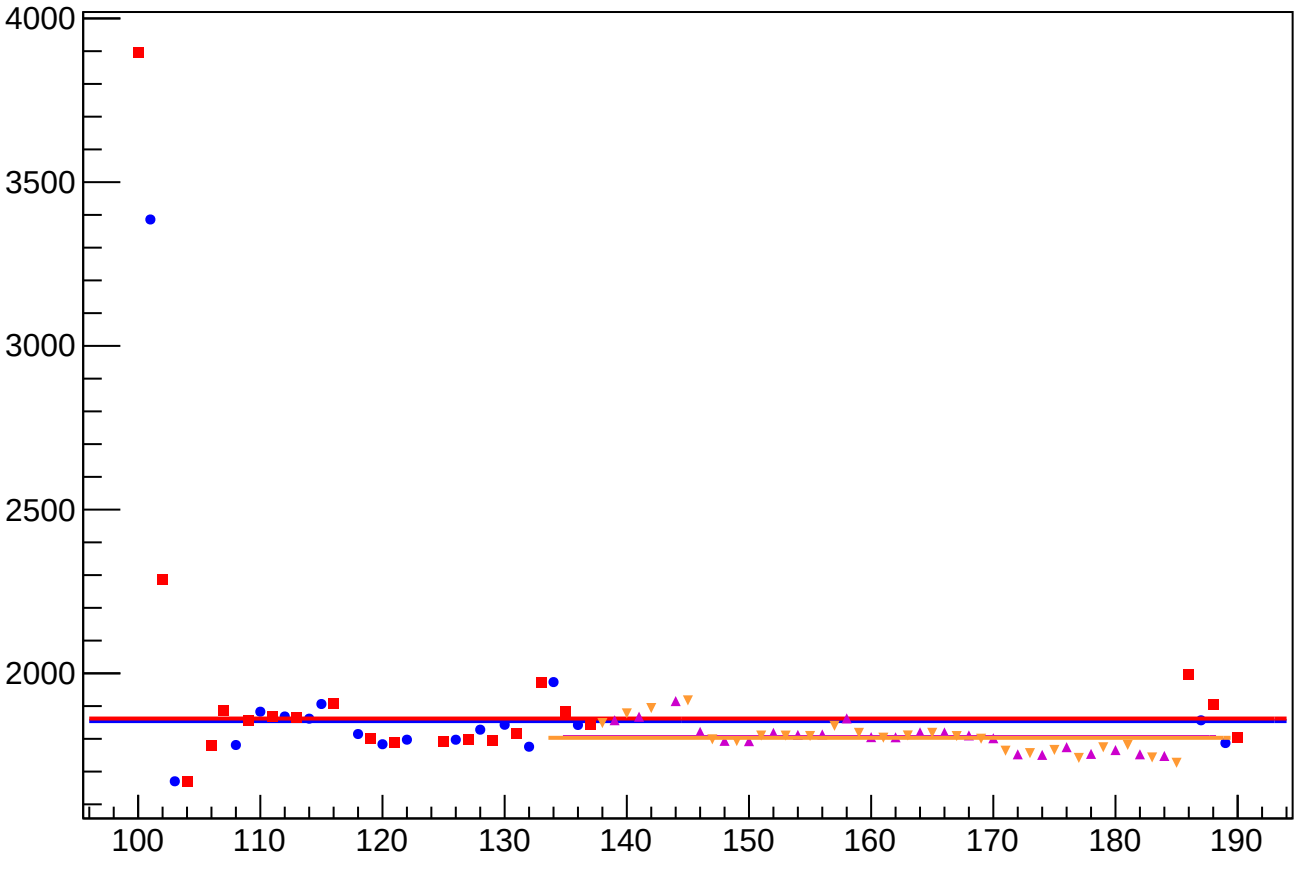
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4132.658+/-456.270 χ^2/NDF: 27.6/38

In: 4678.764+/-355.975 χ^2/NDF:36.6/40

Out: 3311.622+/-348.326 χ^2/NDF:37.4/44

All: 3980.347+/-248.964 χ^2/NDF: 81.5/85



Right In: 1854.136+/-0.470 χ^2/NDF: 293947.5/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

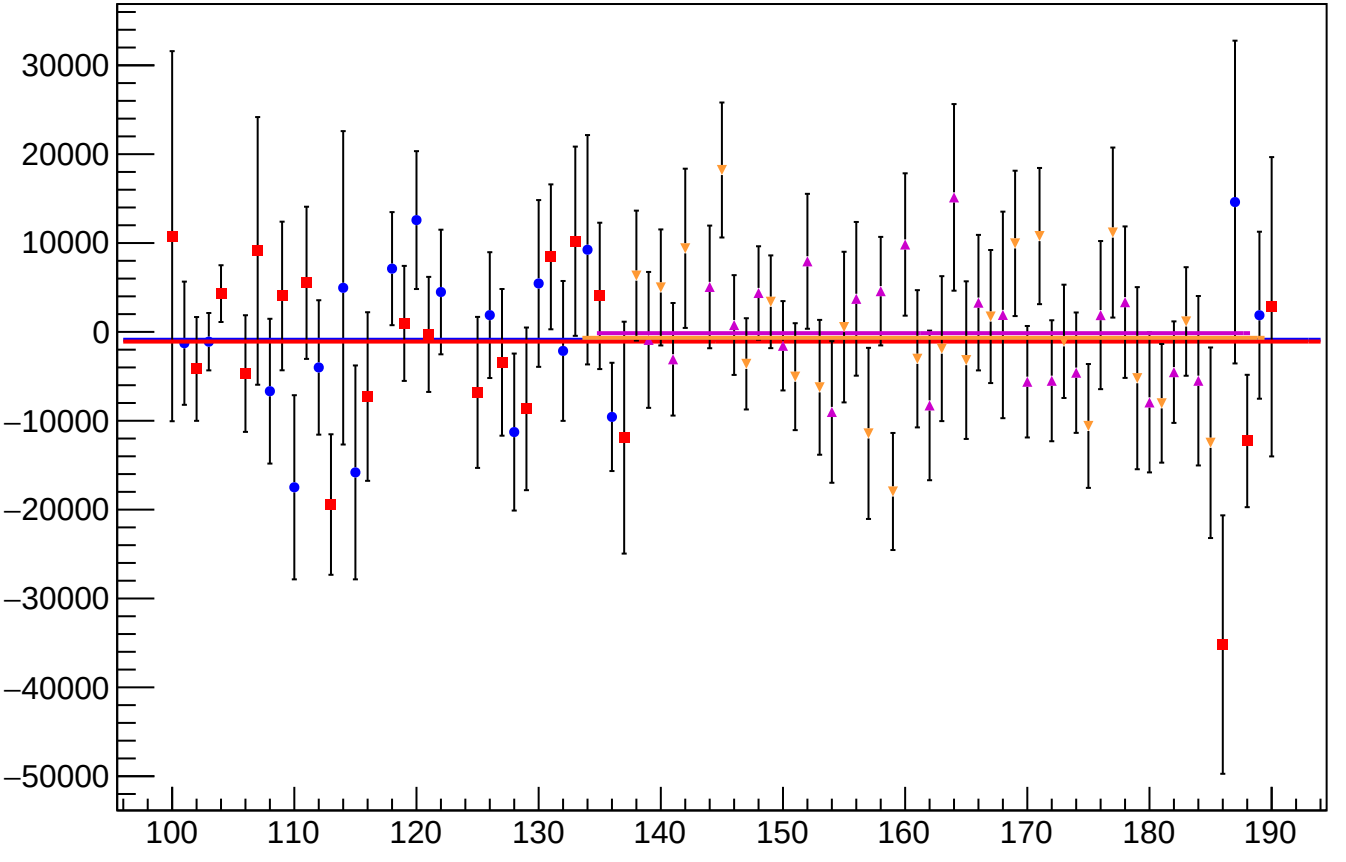
Right: 1858.282+/-0.322 χ^2/NDF: 401598.4/38

In: 1819.519+/-0.252 χ^2/NDF:320889.6/40

Out: 1821.278+/-0.246 χ^2/NDF:140345.6/44

All: 1820.418+/-0.176 χ^2/NDF: 461260.1/85

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -883.780+/-1720.132 χ^2/NDF: 15.6/17

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1089.995+/-1641.086 χ^2/NDF: 23.7/20

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

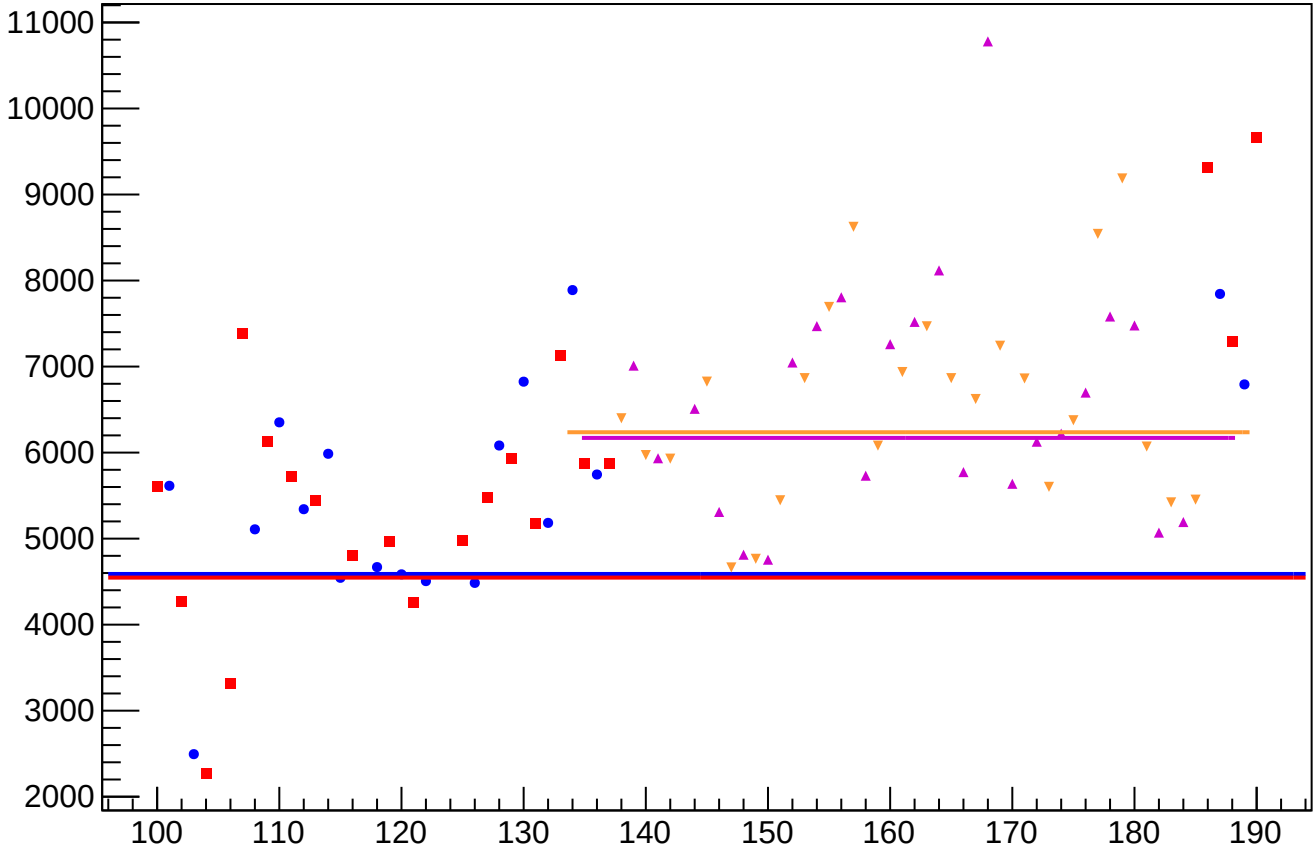
Right: -991.735+/-1187.385 χ^2/NDF: 39.3/38

In: -456.212+/-1118.120 χ^2/NDF:29.2/40

Out: -856.689+/-1098.576 χ^2/NDF:53.5/44

All: -659.981+/-783.629 χ^2/NDF: 82.8/85

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4589.131+/-1.216 χ^2/NDF: 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

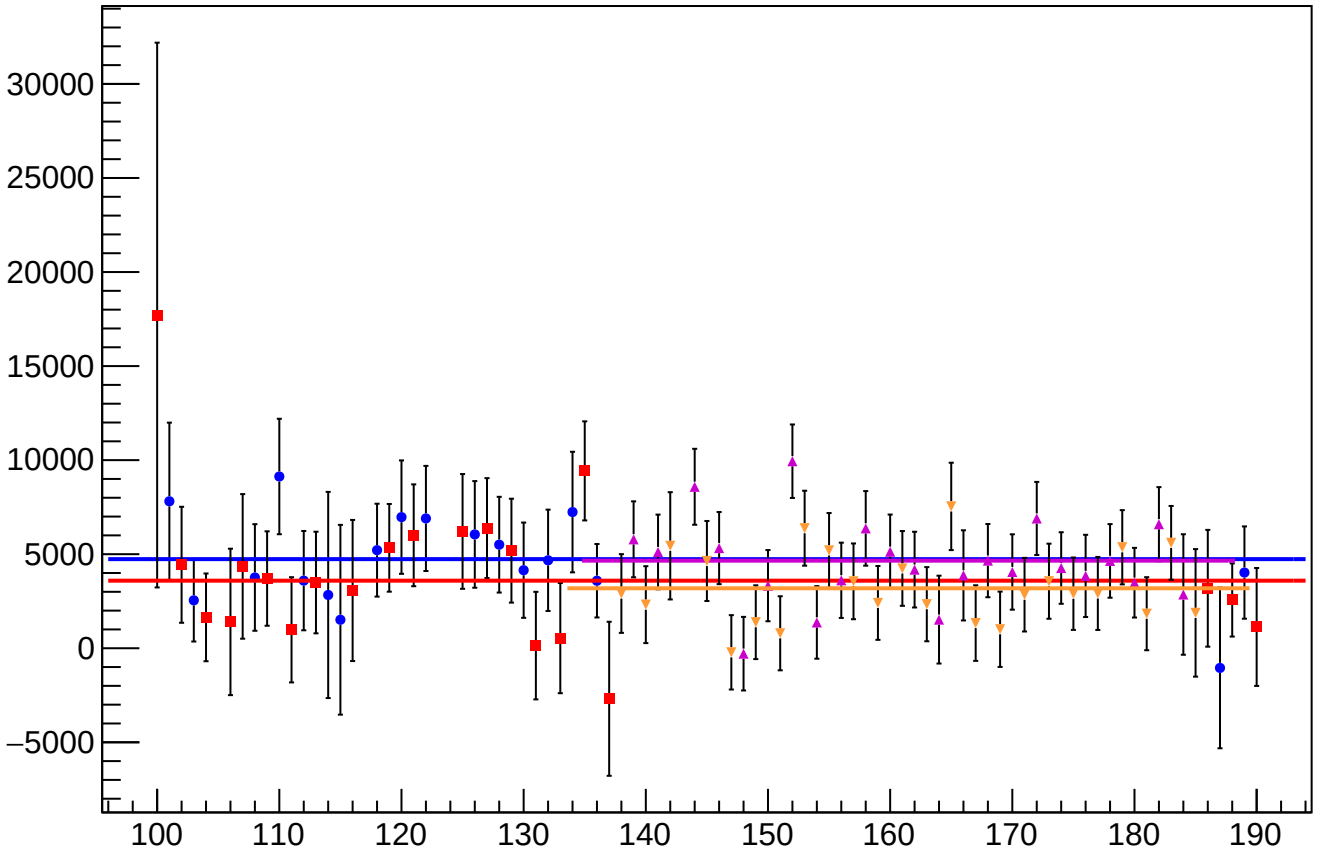
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4567.037+/-0.840 χ^2/NDF: 3811846.8/38

In: 5502.498+/-0.791 χ^2/NDF:3758027.6/40

Out: 5479.438+/-0.777 χ^2/NDF:4505027.9/44

All: 5490.764+/-0.554 χ^2/NDF: 8263488.4/85



Right In: 4737.131+/-664.020 χ^2/NDF: 8.8/17

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3591.967+/-628.011 χ^2/NDF: 17.2/20

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

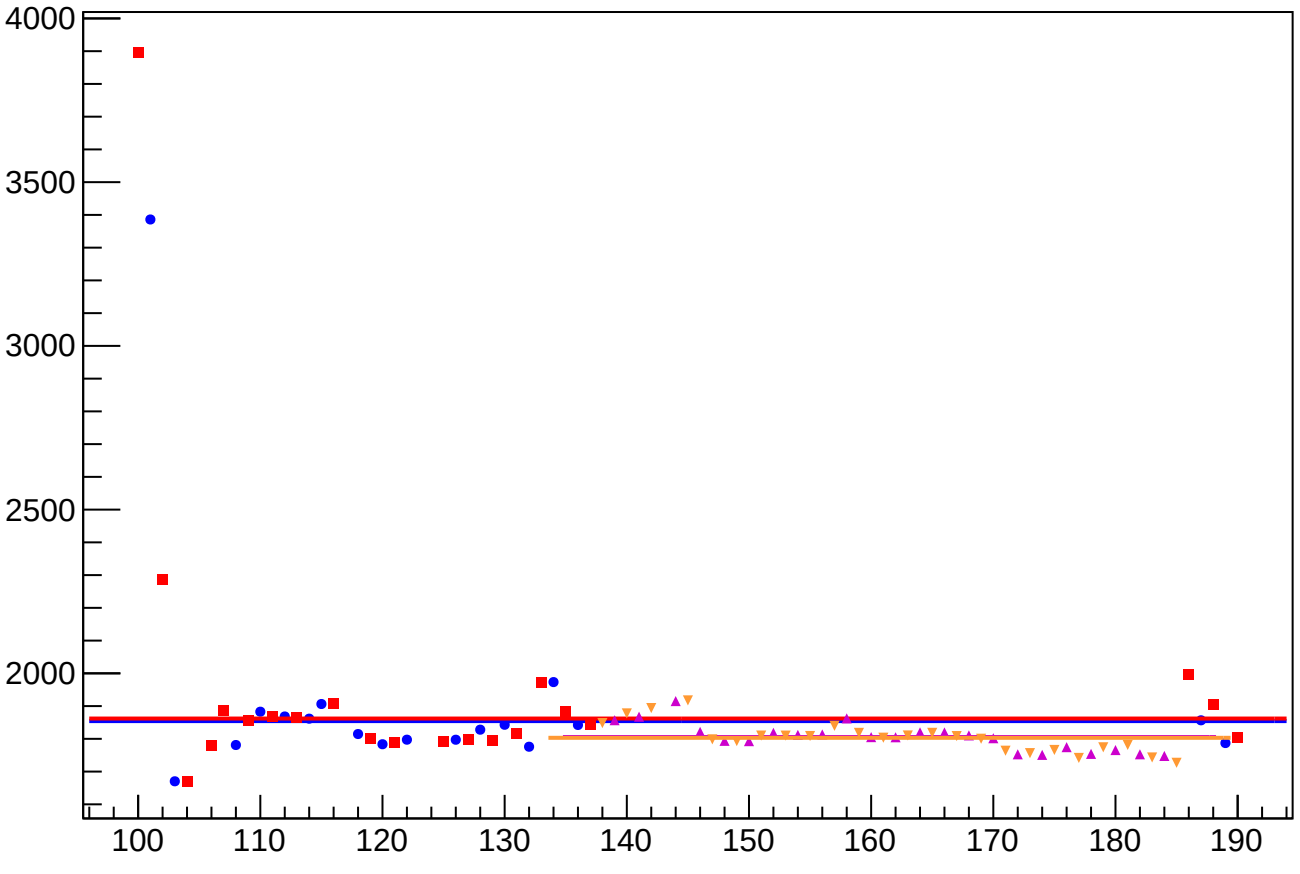
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4132.658+/-456.270 χ^2/NDF: 27.6/38

In: 4678.764+/-355.975 χ^2/NDF:36.6/40

Out: 3311.622+/-348.326 χ^2/NDF:37.4/44

All: 3980.347+/-248.964 χ^2/NDF: 81.5/85



Right In: 1854.136+/-0.470 χ^2/NDF: 293947.5/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

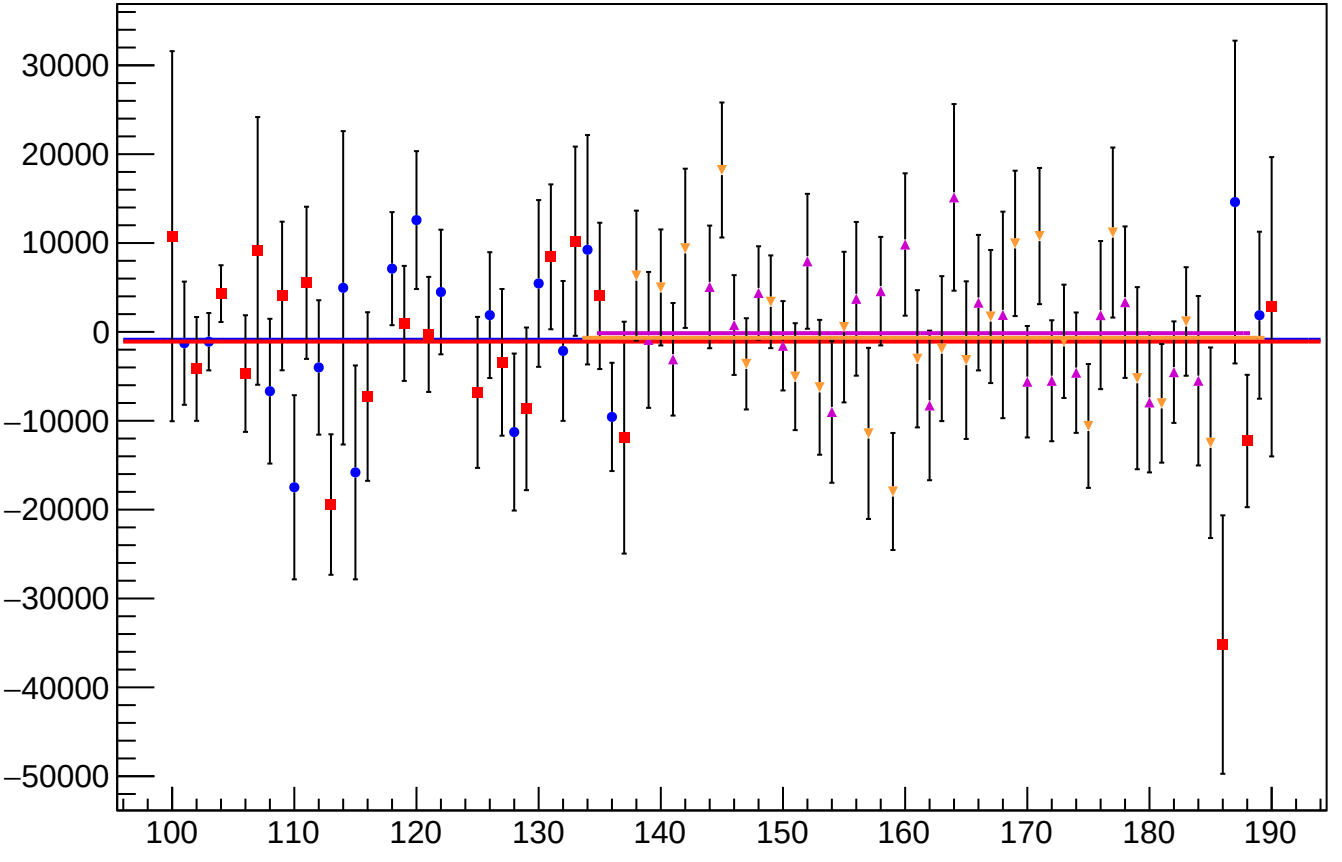
Right: 1858.282+/-0.322 χ^2/NDF: 401598.4/38

In: 1819.519+/-0.252 χ^2/NDF:320889.6/40

Out: 1821.278+/-0.246 χ^2/NDF:140345.6/44

All: 1820.418+/-0.176 χ^2/NDF: 461260.1/85

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -883.780+/-1720.132 χ^2/NDF: 15.6/17

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1089.995+/-1641.086 χ^2/NDF: 23.7/20

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

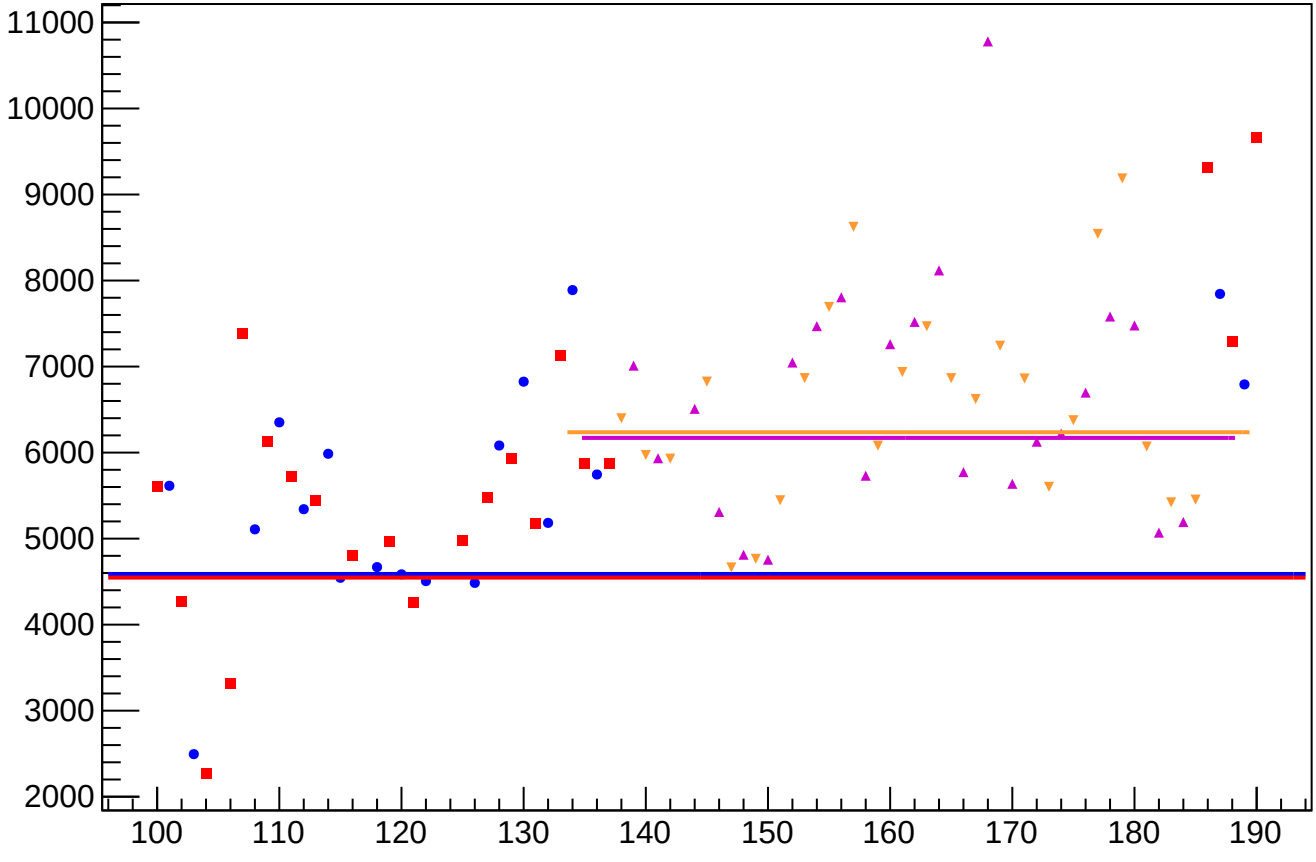
Right: -991.735+/-1187.385 χ^2/NDF: 39.3/38

In: -456.212+/-1118.120 χ^2/NDF:29.2/40

Out: -856.689+/-1098.576 χ^2/NDF:53.5/44

All: -659.981+/-783.629 χ^2/NDF: 82.8/85

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4589.131+/-1.216 χ^2/NDF: 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

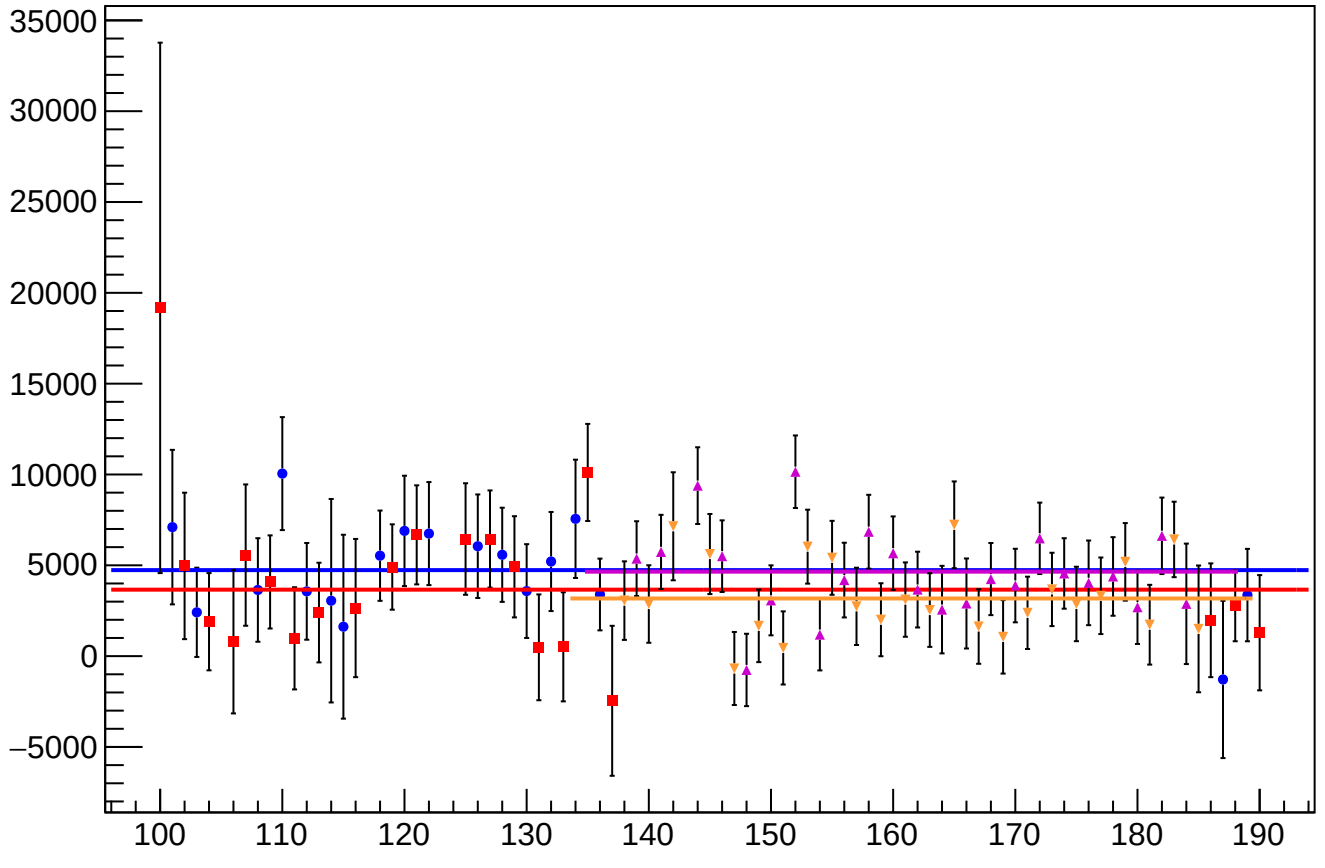
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4567.037+/-0.840 χ^2/NDF: 3811846.8/38

In: 5502.498+/-0.791 χ^2/NDF:3758027.6/40

Out: 5479.438+/-0.777 χ^2/NDF:4505027.9/44

All: 5490.764+/-0.554 χ^2/NDF: 8263488.4/85



Right In: 4735.232+/-678.985 χ^2/NDF: 10.0/17

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3659.565+/-645.969 χ^2/NDF: 18.6/20

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

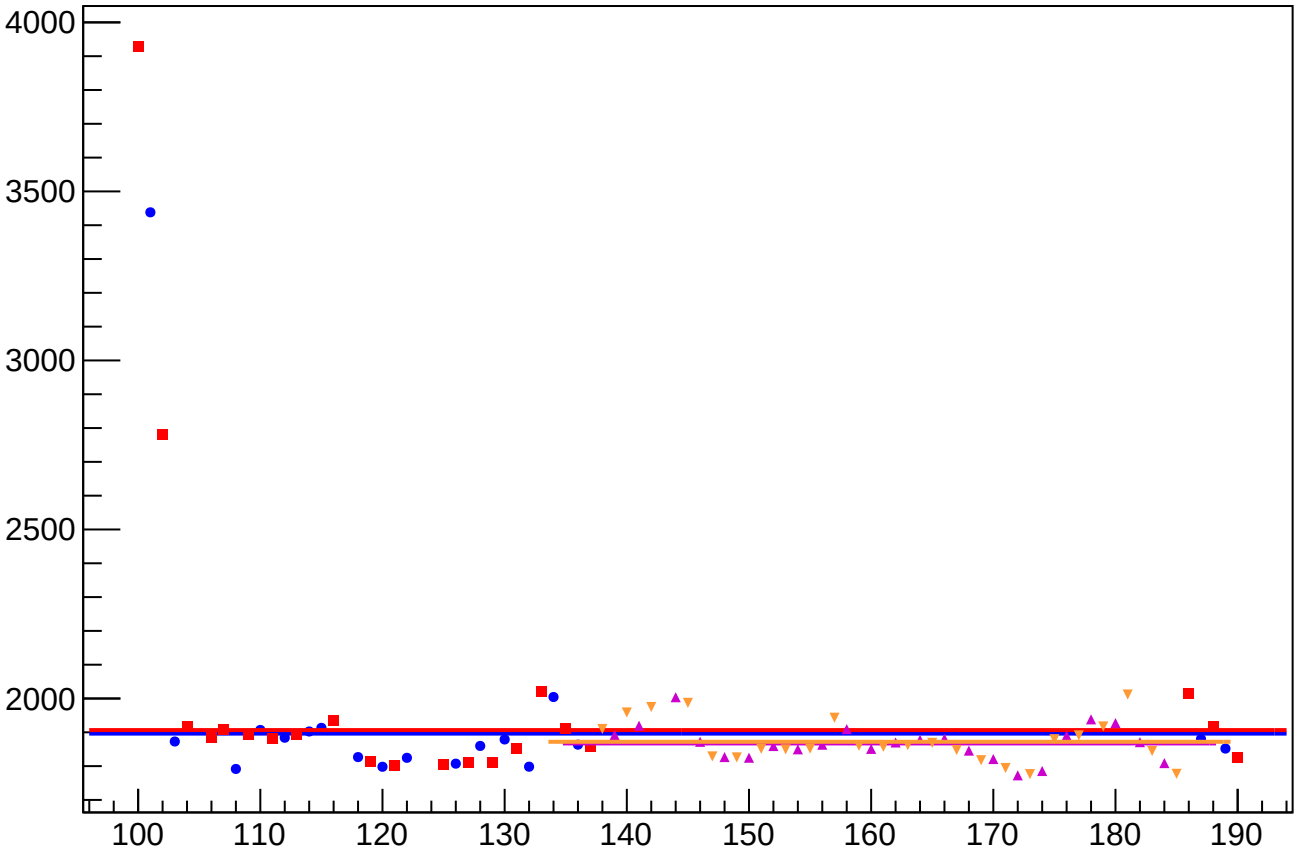
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4170.612+/-468.006 χ^2/NDF: 30.0/38

In: 4675.226+/-366.992 χ^2/NDF:40.6/40

Out: 3325.783+/-360.710 χ^2/NDF:40.6/44

All: 3988.856+/-257.253 χ^2/NDF: 88.0/85



Right In: 1896.186+/-0.480 χ^2/NDF: 279141.8/17

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1906.620+/-0.456 χ^2/NDF: 153894.9/20

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

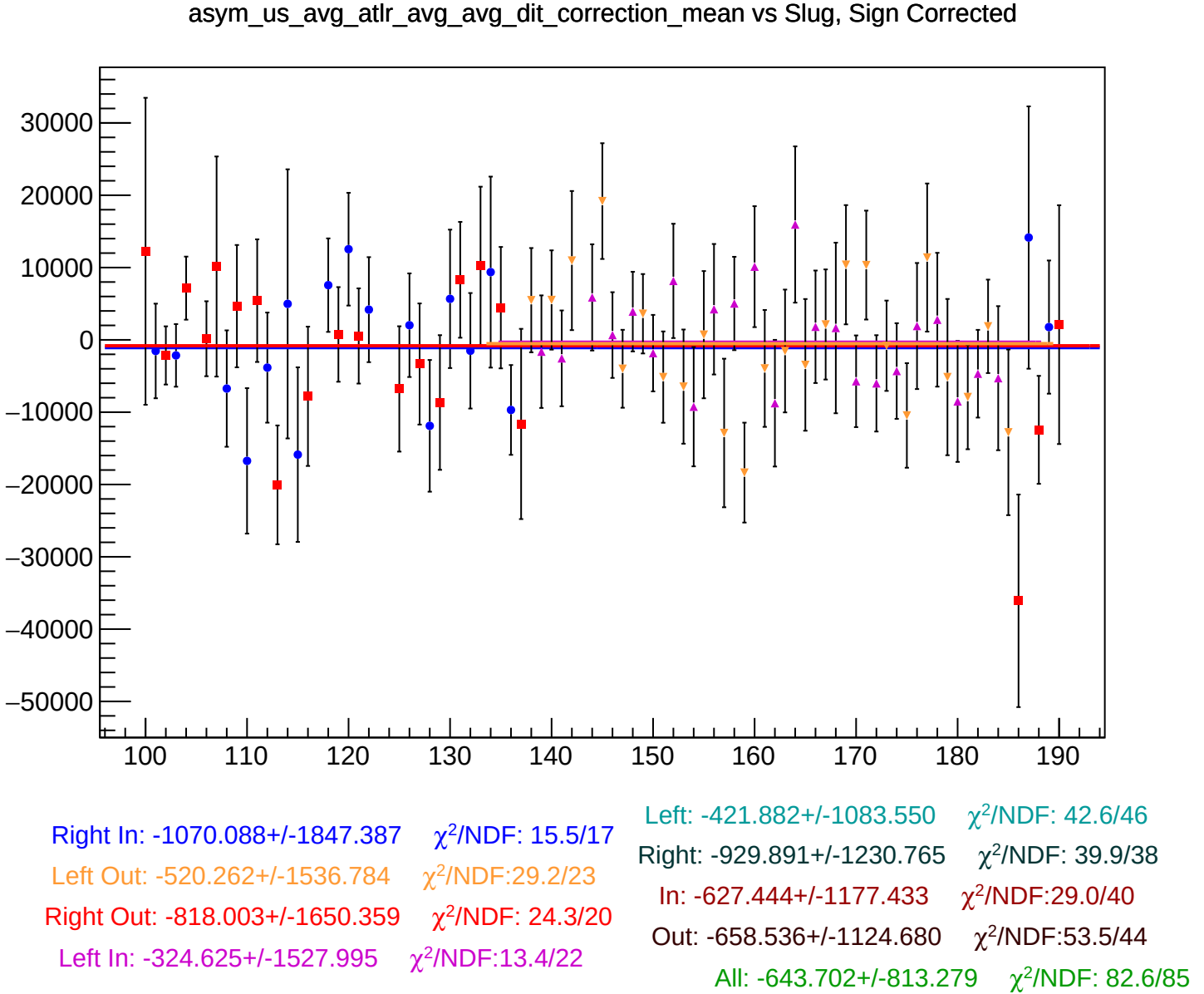
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1901.667+/-0.331 χ^2/NDF: 433284.8/38

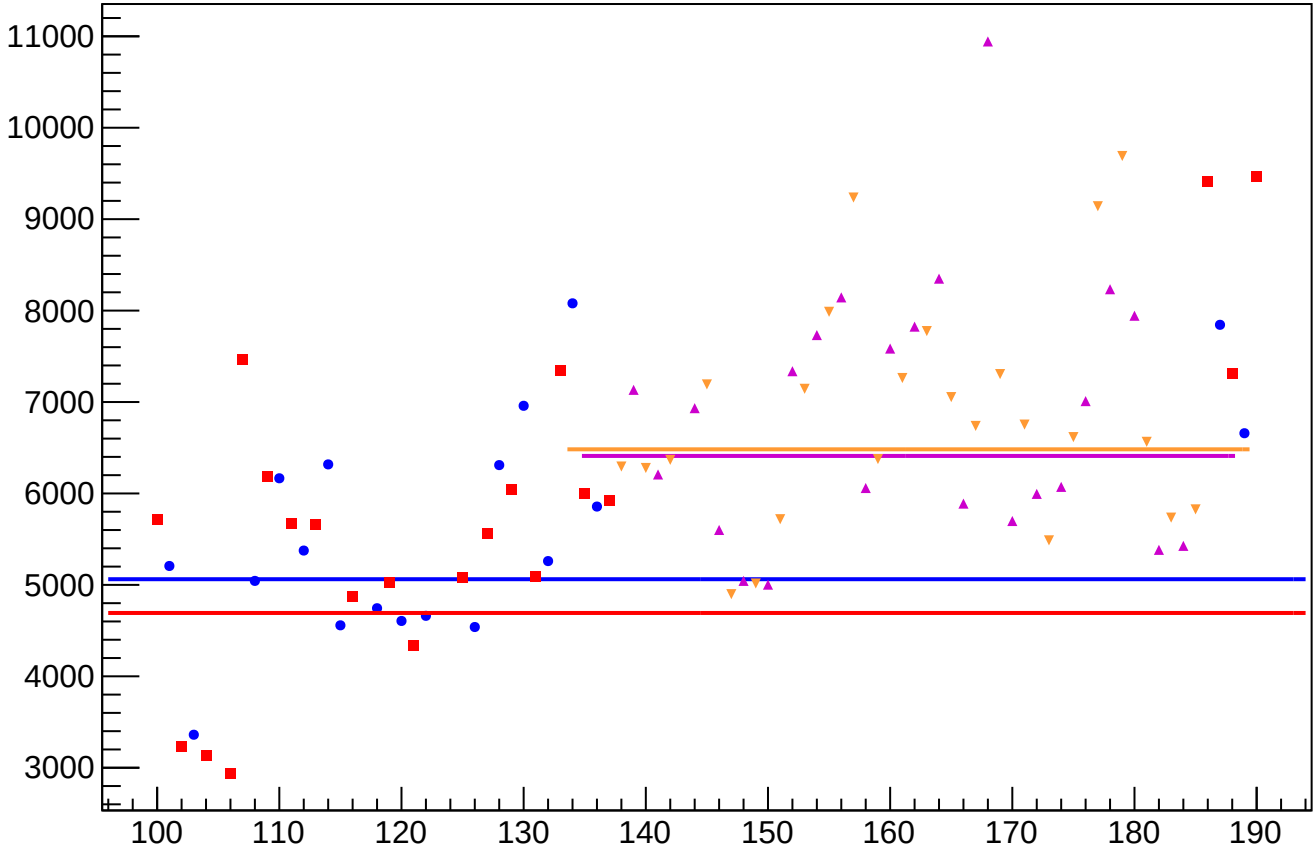
In: 1875.582+/-0.260 χ^2/NDF:308990.1/40

Out: 1882.794+/-0.255 χ^2/NDF:195012.5/44

All: 1879.251+/-0.182 χ^2/NDF: 504395.5/85


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1070.088+/-1847.387 χ²/NDF: 15.5/17
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -818.003+/-1650.359 χ²/NDF: 24.3/20
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -929.891+/-1230.765 χ²/NDF: 39.9/38
In: -627.444+/-1177.433 χ²/NDF:29.0/40
Out: -658.536+/-1124.680 χ²/NDF:53.5/44
All: -643.702+/-813.279 χ²/NDF: 82.6/85

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5062.073+/-1.306 χ^2/NDF: 739909.2/17

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 4692.890+/-1.167 χ^2/NDF: 1821562.1/20

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

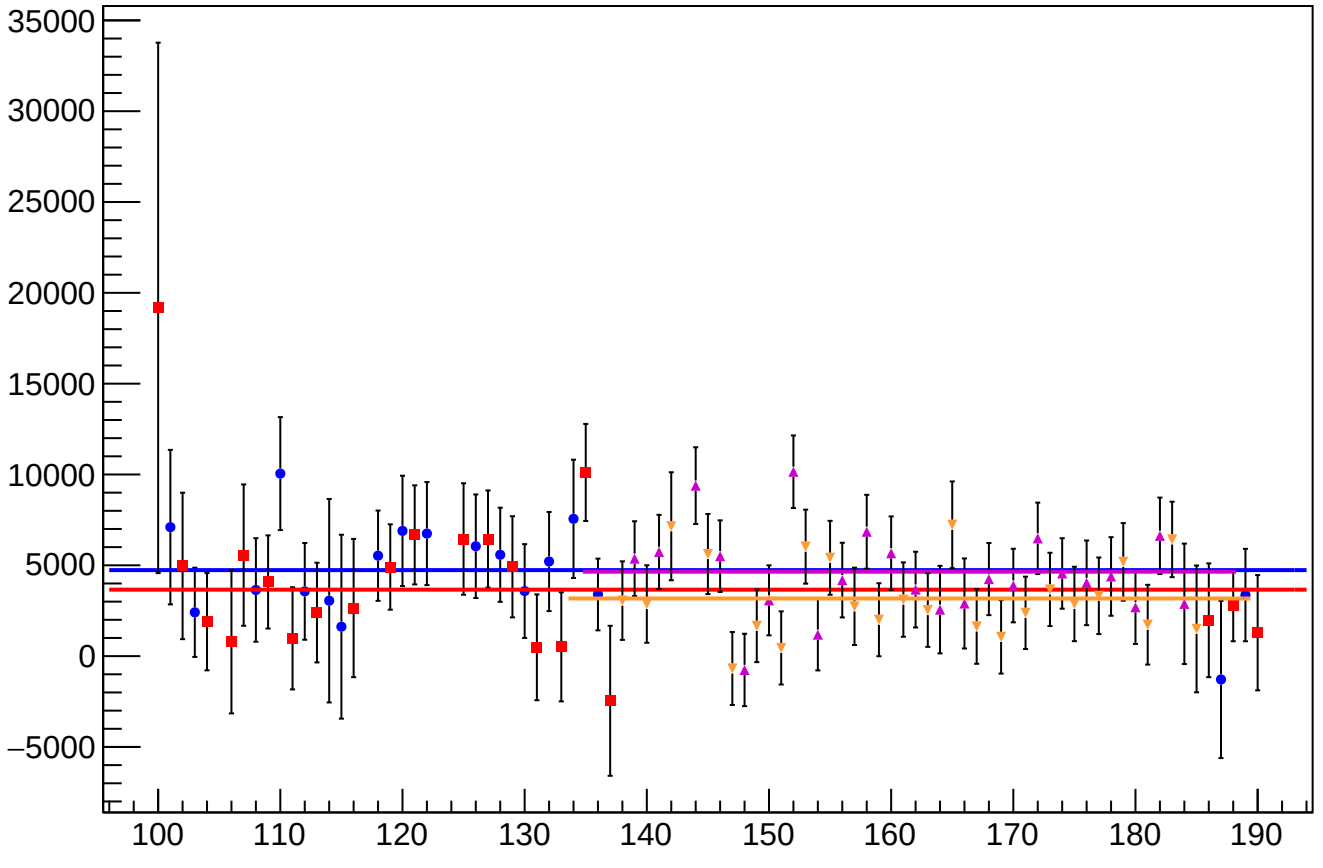
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 4856.751+/-0.870 χ^2/NDF: 2605892.7/38

In: 5862.700+/-0.833 χ^2/NDF:2592362.4/40

Out: 5651.510+/-0.795 χ^2/NDF:4156041.2/44

All: 5752.268+/-0.575 χ^2/NDF: 6782048.8/85



Right In: 4735.232+/-678.984 χ^2/NDF: 10.0/17

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3659.563+/-645.969 χ^2/NDF: 18.6/20

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

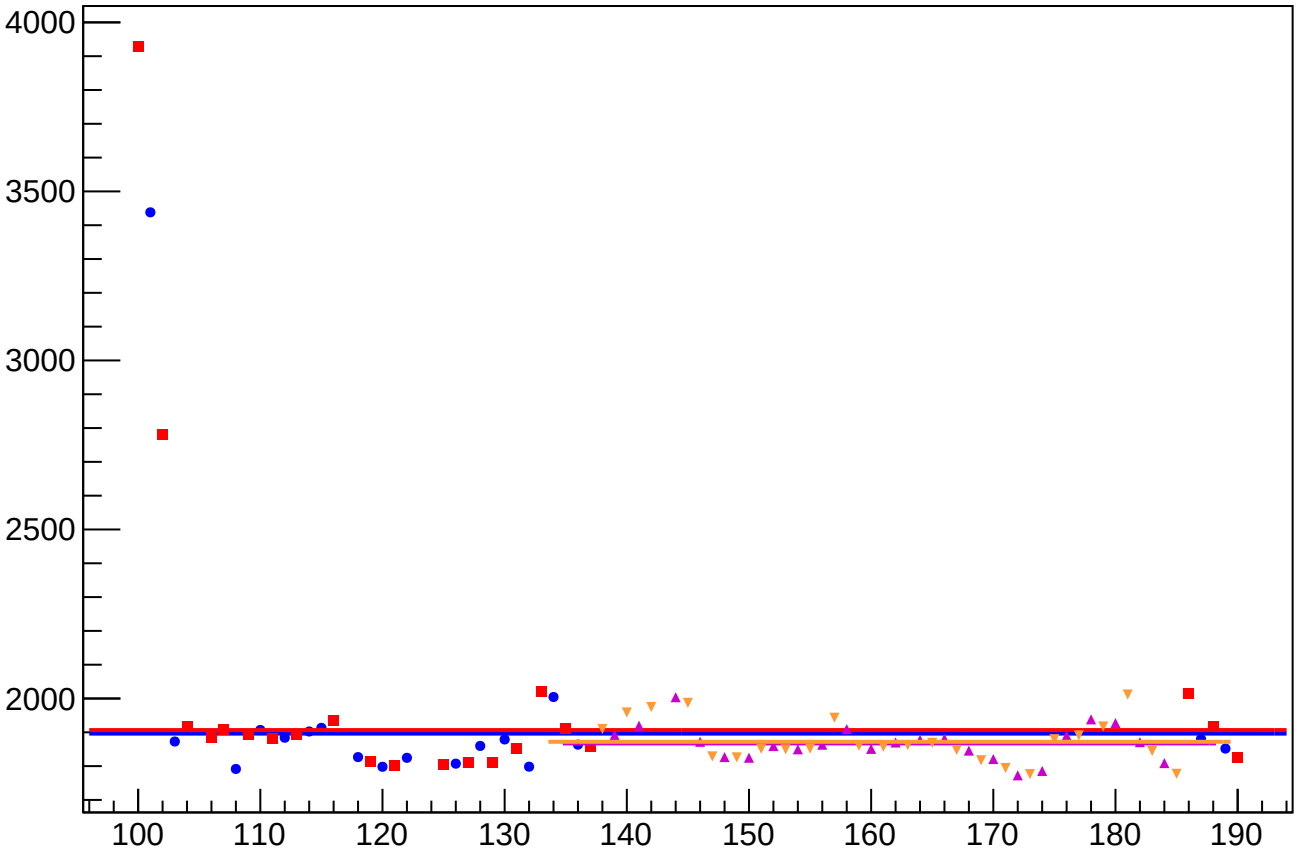
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4170.610+/-468.006 χ^2/NDF: 30.0/38

In: 4675.227+/-366.992 χ^2/NDF:40.6/40

Out: 3325.778+/-360.710 χ^2/NDF:40.6/44

All: 3988.854+/-257.253 χ^2/NDF: 88.0/85



Right In: 1896.185+/-0.480 χ^2/NDF: 279142.0/17

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1906.619+/-0.456 χ^2/NDF: 153894.1/20

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

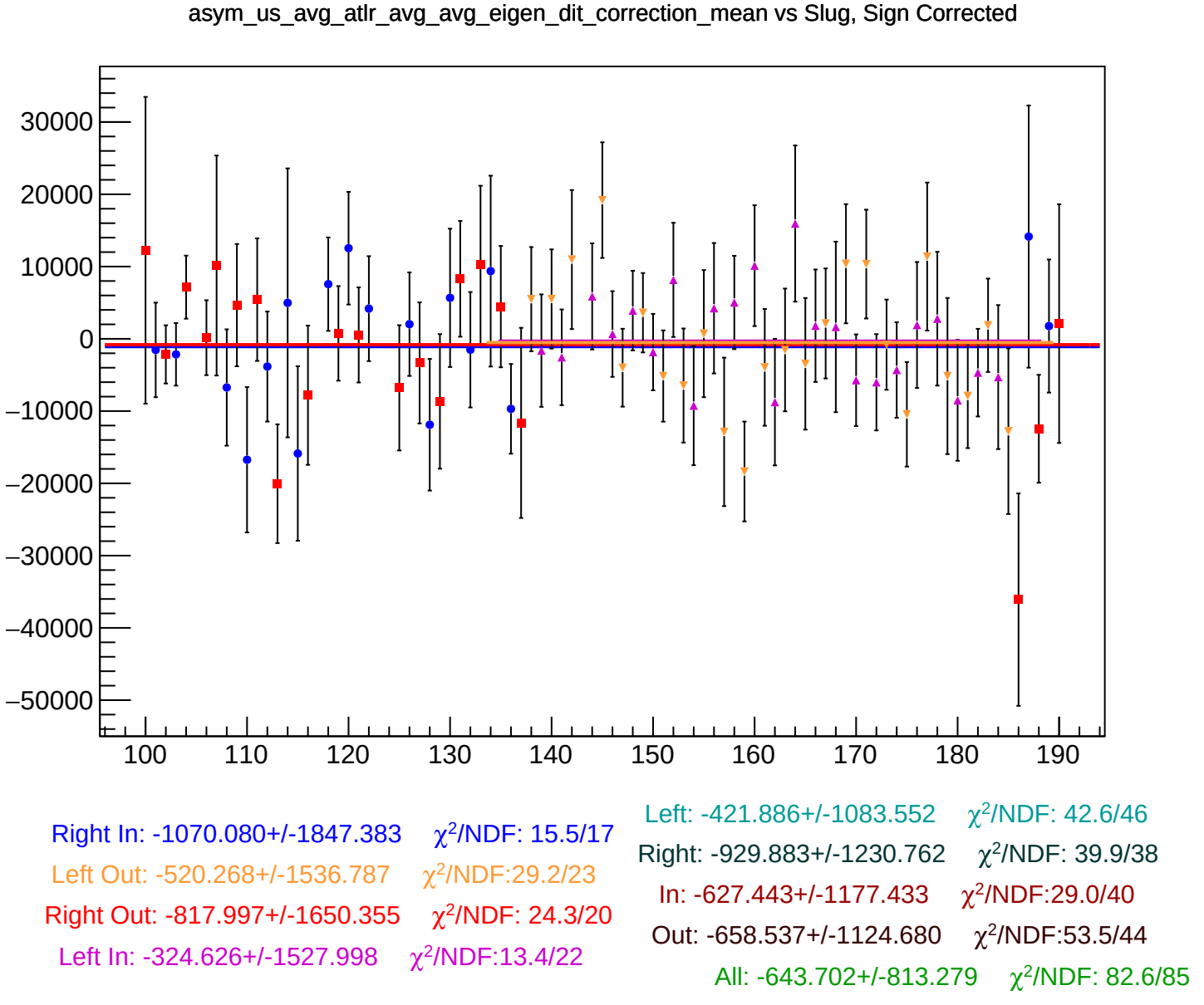
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1901.666+/-0.331 χ^2/NDF: 433284.3/38

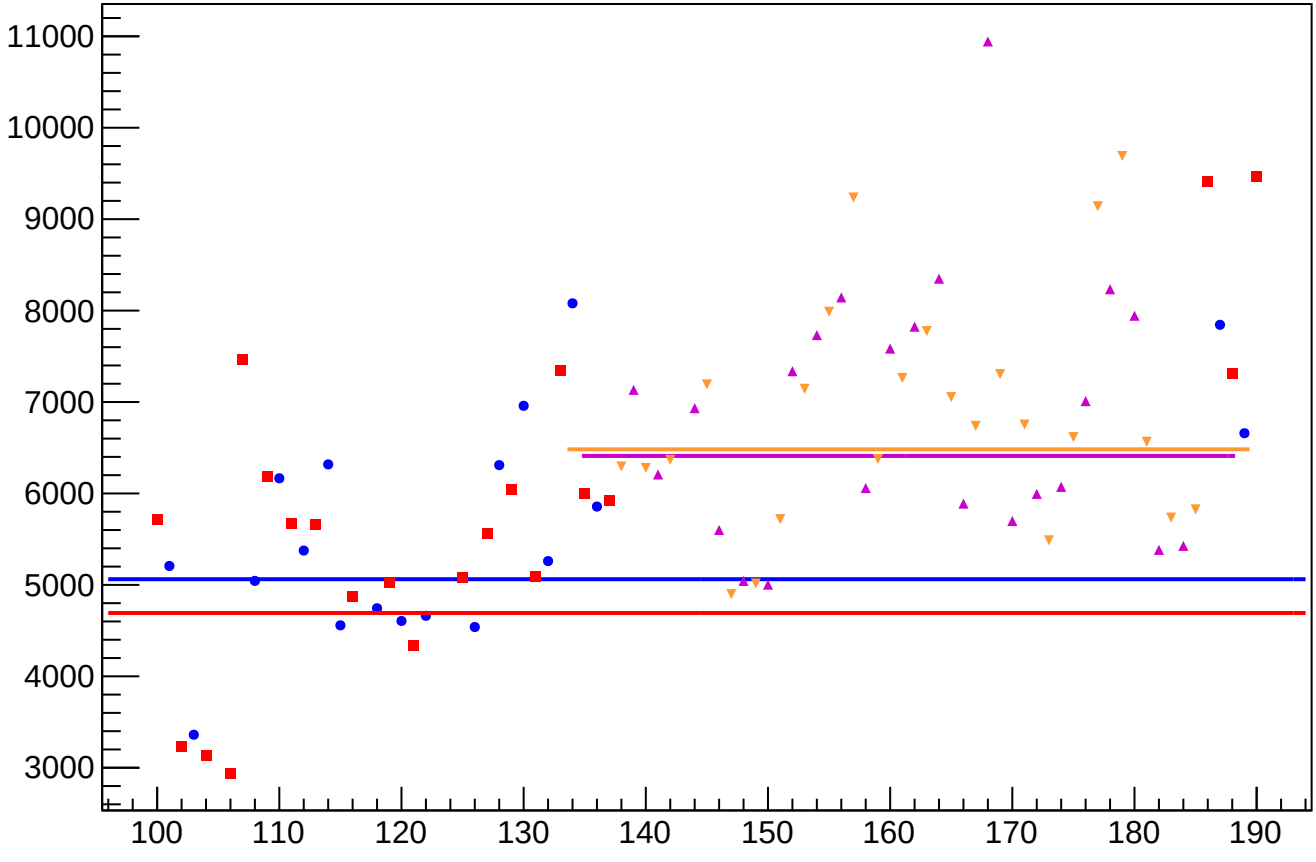
In: 1875.583+/-0.260 χ^2/NDF:308991.2/40

Out: 1882.794+/-0.255 χ^2/NDF:195012.3/44

All: 1879.252+/-0.182 χ^2/NDF: 504396.3/85


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1070.080+/-1847.383 χ²/NDF: 15.5/17
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -817.997+/-1650.355 χ²/NDF: 24.3/20
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -929.883+/-1230.762 χ²/NDF: 39.9/38
In: -627.443+/-1177.433 χ²/NDF:29.0/40
Out: -658.537+/-1124.680 χ²/NDF:53.5/44
All: -643.702+/-813.279 χ²/NDF: 82.6/85

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5062.061+/-1.306 χ^2/NDF: 739913.9/17

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4692.878+/-1.167 χ^2/NDF: 1821566.4/20

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

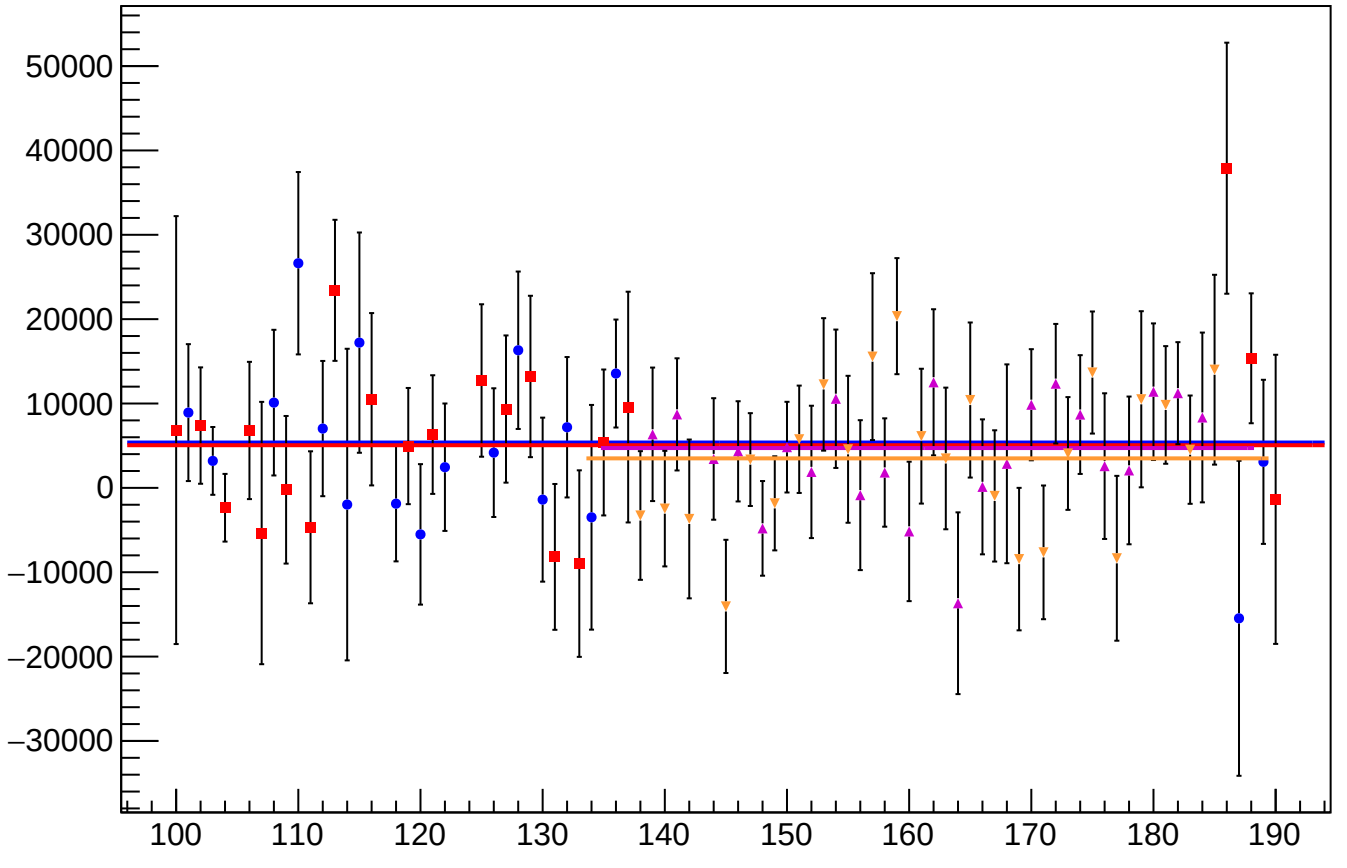
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 4856.739+/-0.870 χ^2/NDF: 2605901.7/38

In: 5862.698+/-0.833 χ^2/NDF:2592392.5/40

Out: 5651.507+/-0.795 χ^2/NDF:4156080.4/44

All: 5752.266+/-0.575 χ^2/NDF: 6782118.5/85



Right In: 5374.911+/-1910.562 χ^2/NDF: 14.0/17

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5056.797+/-1838.383 χ^2/NDF: 23.3/20

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

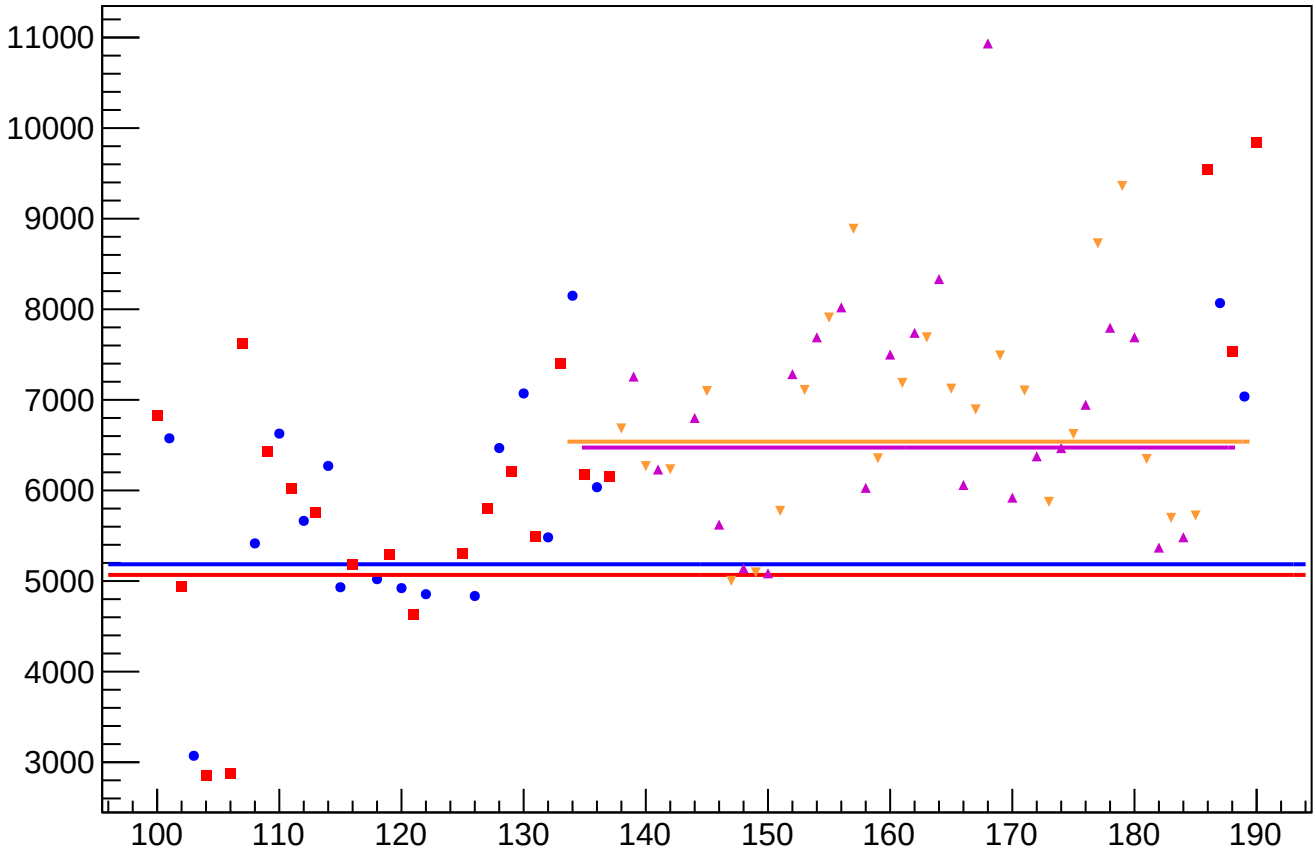
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5209.732+/-1324.715 χ^2/NDF: 37.2/38

In: 4977.476+/-1198.605 χ^2/NDF:28.3/40

Out: 4143.159+/-1183.150 χ^2/NDF:51.1/44

All: 4554.904+/-842.024 χ^2/NDF: 79.7/85



Right In: 5185.018+/-1.351 χ^2/NDF: 1045320.6/17

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5067.488+/-1.276 χ^2/NDF: 1746195.1/20

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

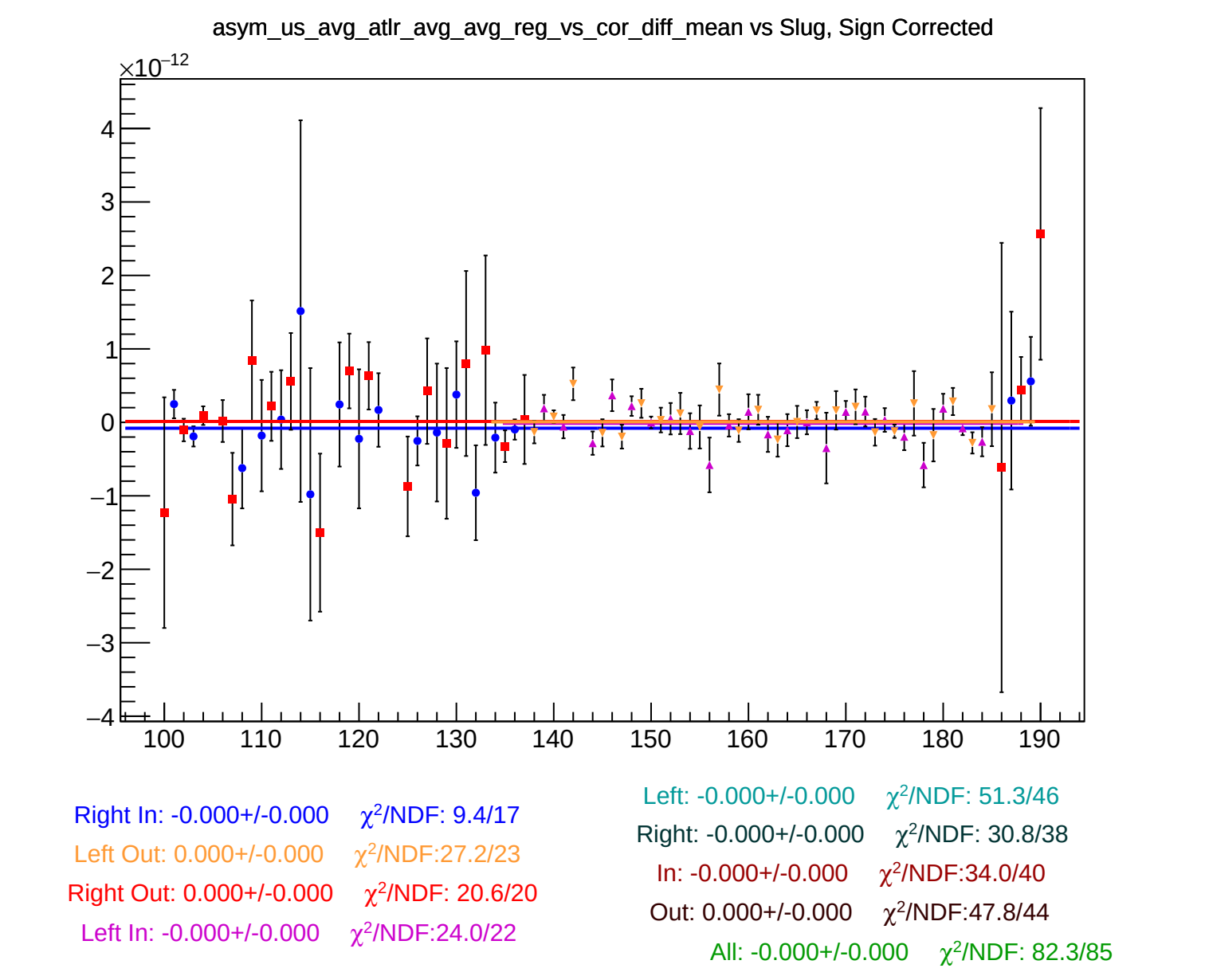
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

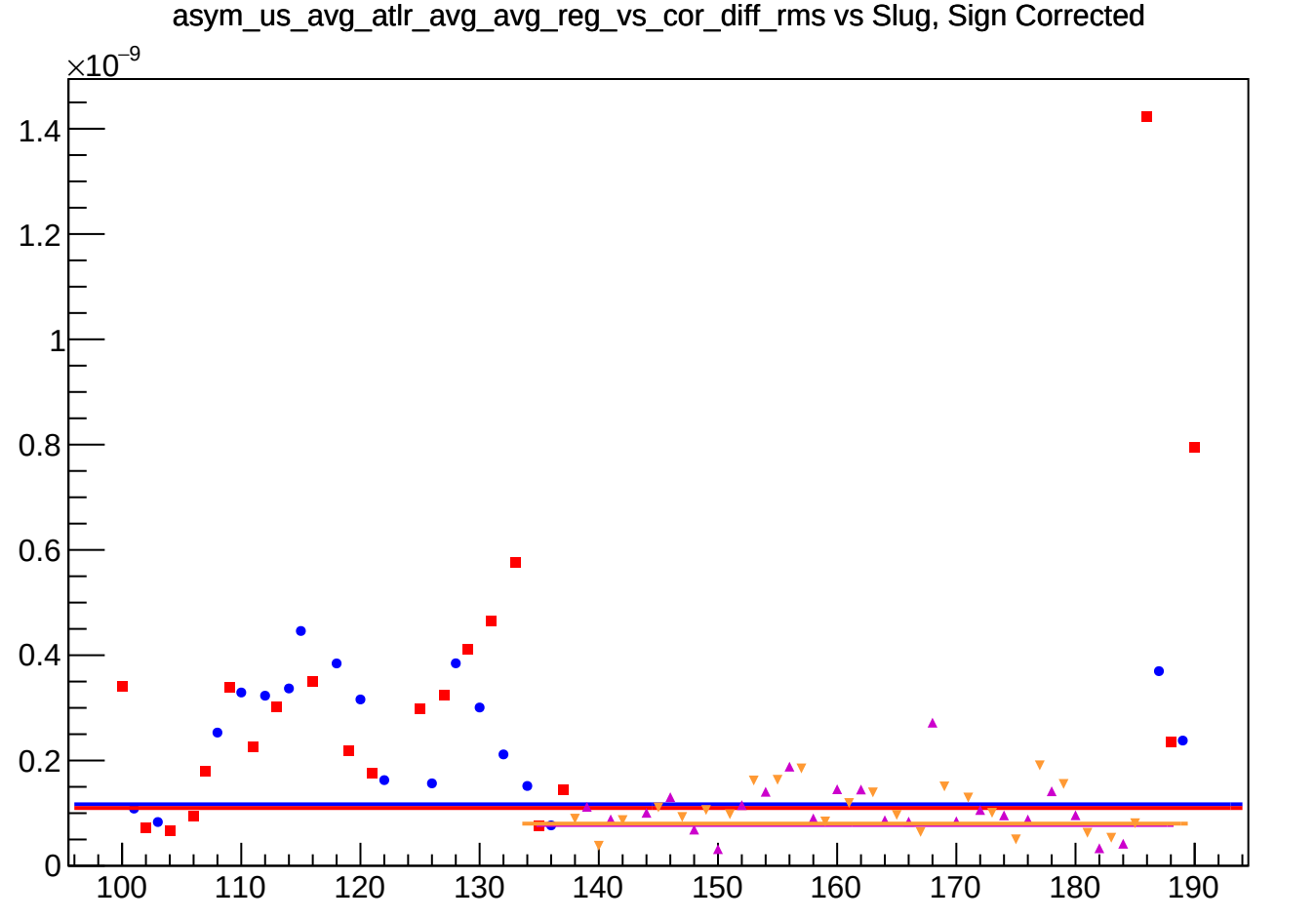
Right: 5122.897+/-0.928 χ^2/NDF: 2795516.1/38

In: 5966.361+/-0.848 χ^2/NDF:2668692.0/40

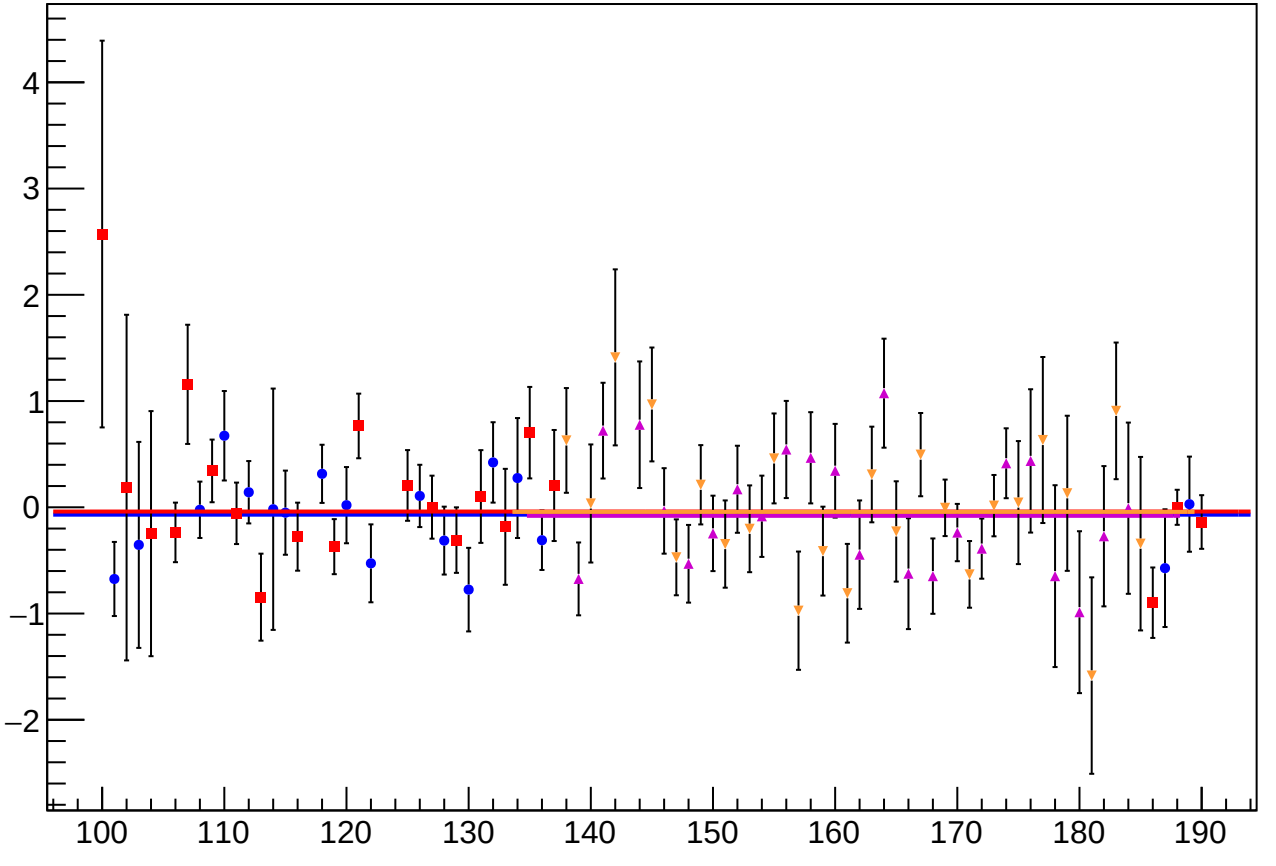
Out: 5915.958+/-0.830 χ^2/NDF:3433622.8/44

All: 5940.636+/-0.593 χ^2/NDF: 6104119.9/85


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.4/17
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/20
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: 30.8/38
In: -0.000+/-0.000 χ²/NDF:34.0/40
Out: 0.000+/-0.000 χ²/NDF:47.8/44
All: -0.000+/-0.000 χ²/NDF: 82.3/85


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1695158.3/17
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2942826.4/20
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
Left: 0.000+/-0.000 χ²/NDF: 4801129.7/46
Right: 0.000+/-0.000 χ²/NDF: 4646490.4/38
In: 0.000+/-0.000 χ²/NDF:4770590.6/40
Out: 0.000+/-0.000 χ²/NDF:5346805.0/44
All: 0.000+/-0.000 χ²/NDF: 10118934.4/85

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

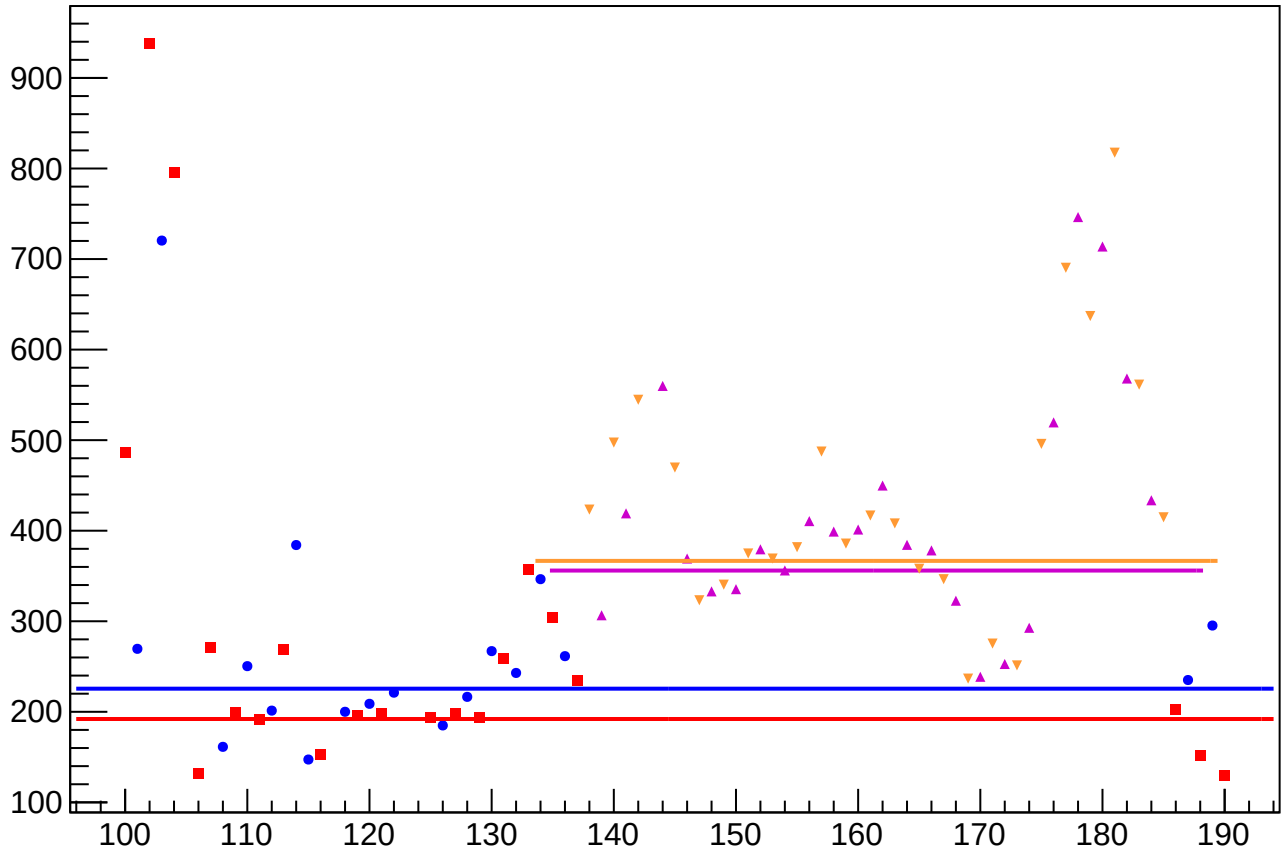
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.052+/-0.055 χ^2/NDF: 51.8/38

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.057+/-0.042 χ^2/NDF: 113.2/85



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

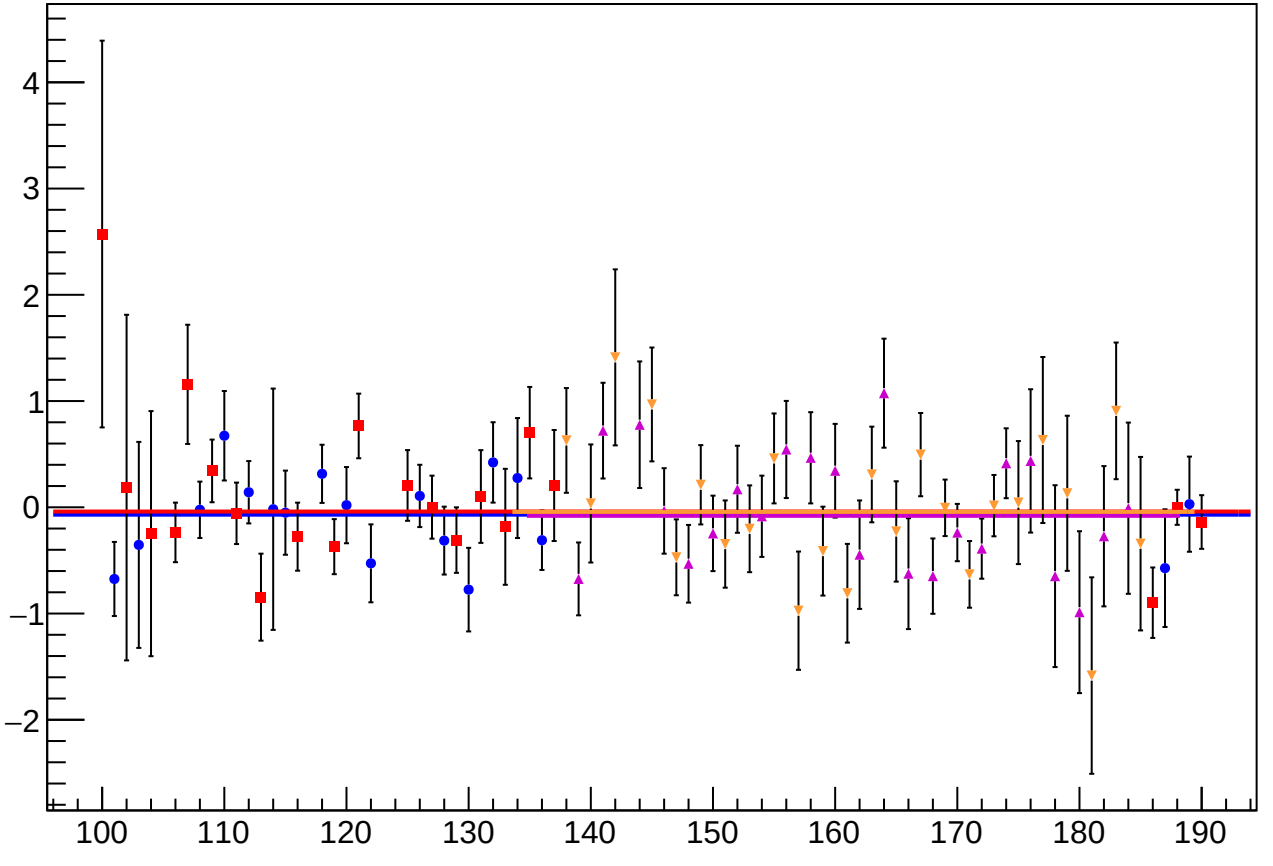
Right: 205.898+/-0.039 χ^2/NDF: 3126244.1/38

In: 289.380+/-0.043 χ^2/NDF:5746817.1/40

Out: 259.901+/-0.040 χ^2/NDF:9275802.5/44

All: 273.388+/-0.029 χ^2/NDF: 15272744.4/85

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

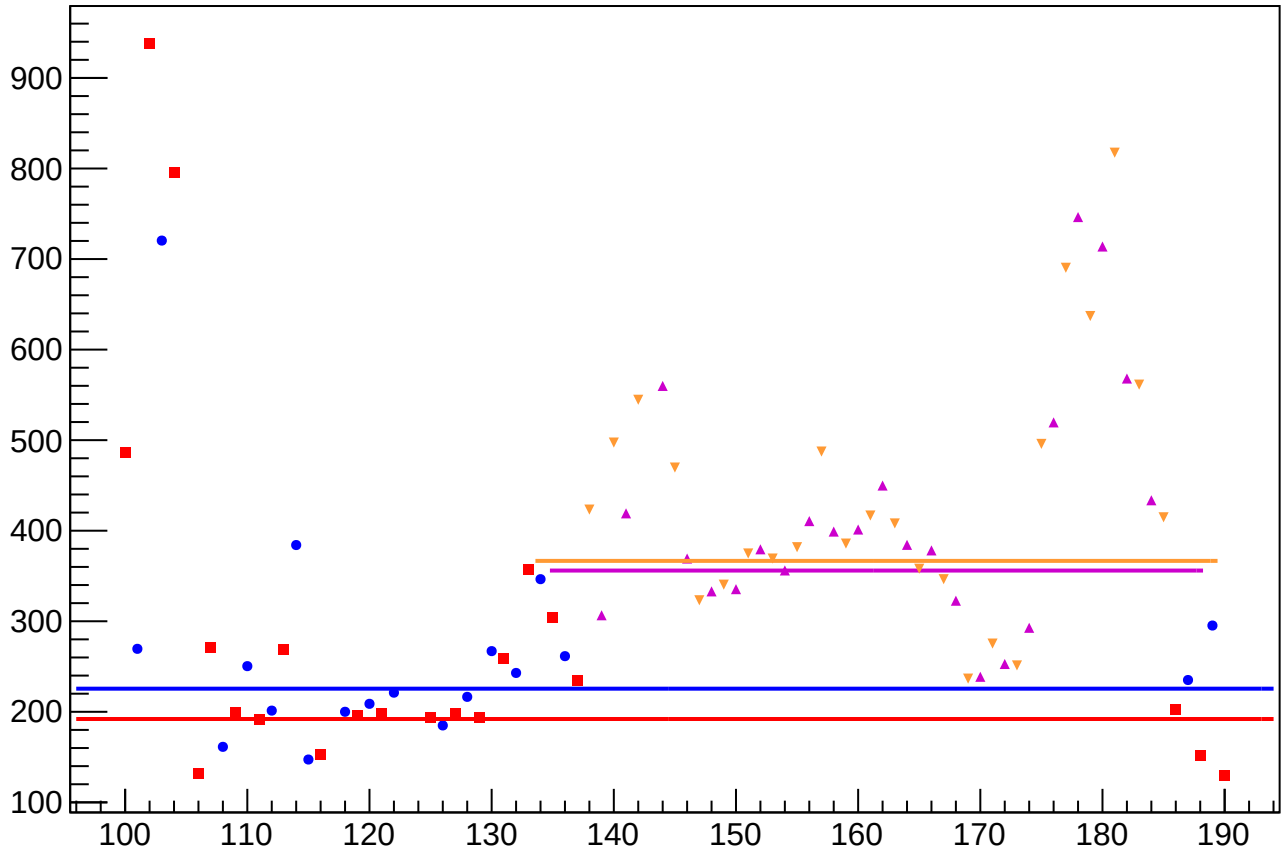
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.052+/-0.055 χ^2/NDF: 51.8/38

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.057+/-0.042 χ^2/NDF: 113.2/85



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

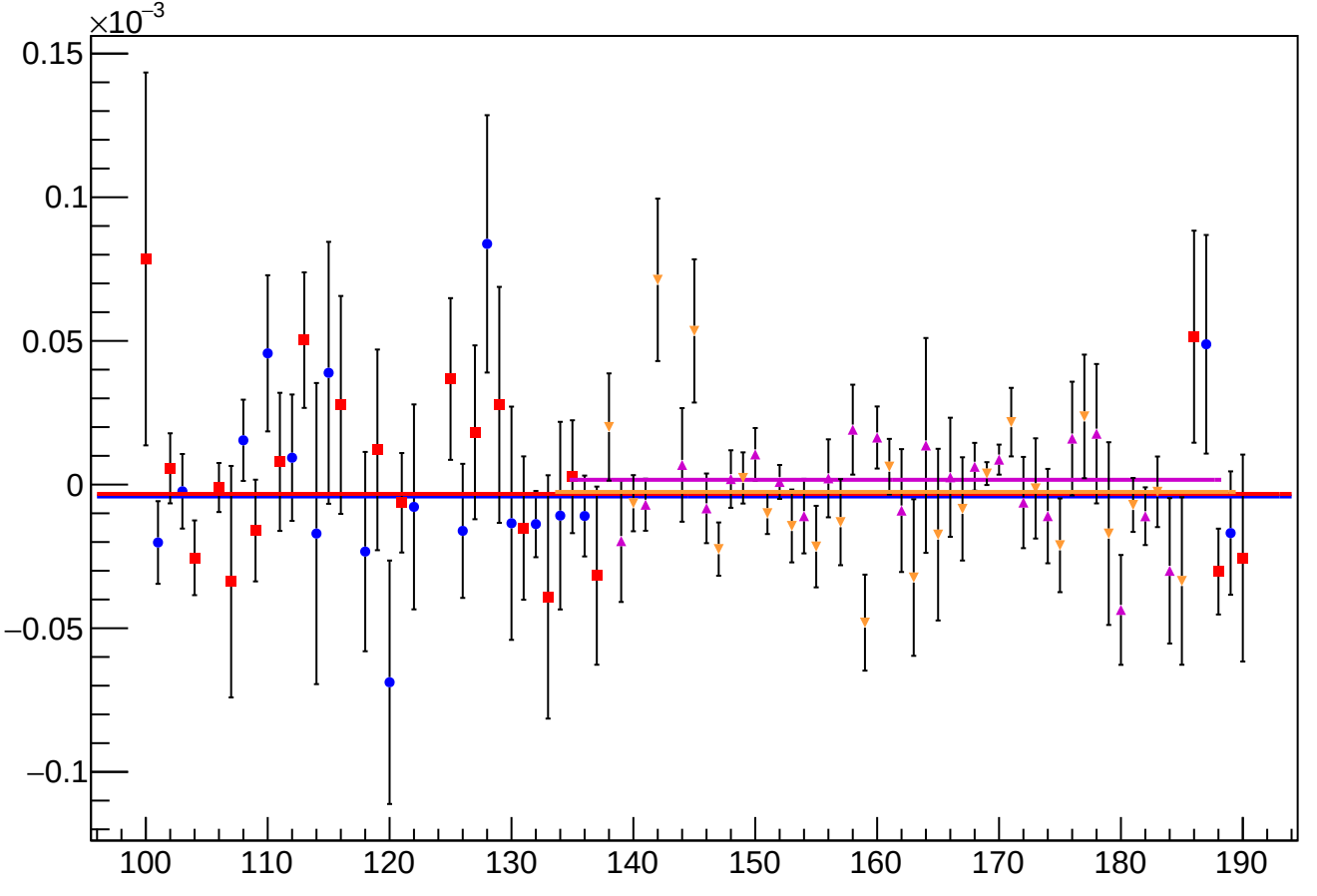
Right: 205.898+/-0.039 χ^2/NDF: 3126244.1/38

In: 289.380+/-0.043 χ^2/NDF:5746817.1/40

Out: 259.901+/-0.040 χ^2/NDF:9275802.5/44

All: 273.388+/-0.029 χ^2/NDF: 15272744.4/85

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/20

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

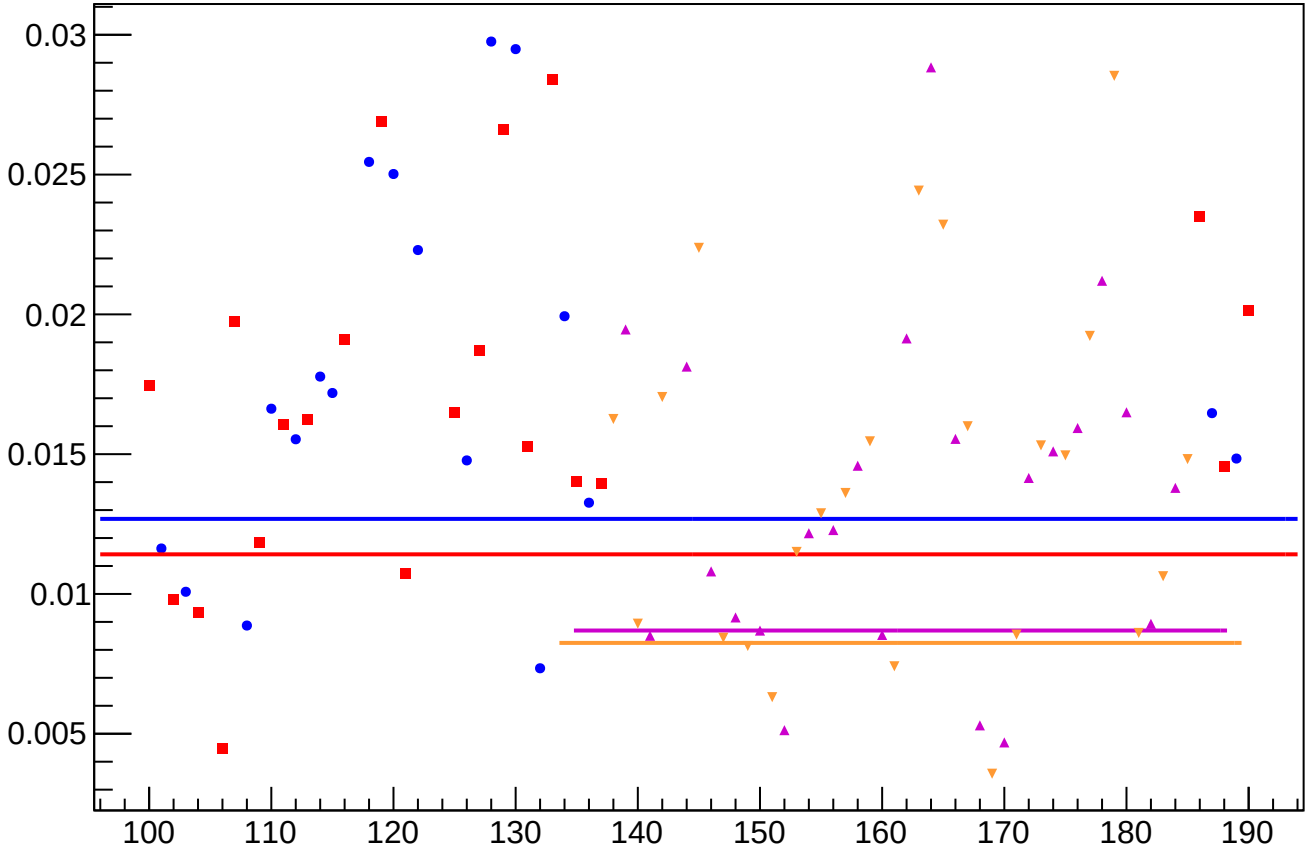
Right: -0.000+/-0.000 χ^2/NDF: 41.2/38

In: 0.000+/-0.000 χ^2/NDF:39.8/40

Out: -0.000+/-0.000 χ^2/NDF:66.8/44

All: -0.000+/-0.000 χ^2/NDF: 107.9/85

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: 2157688.5/17

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 3445108.2/20

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

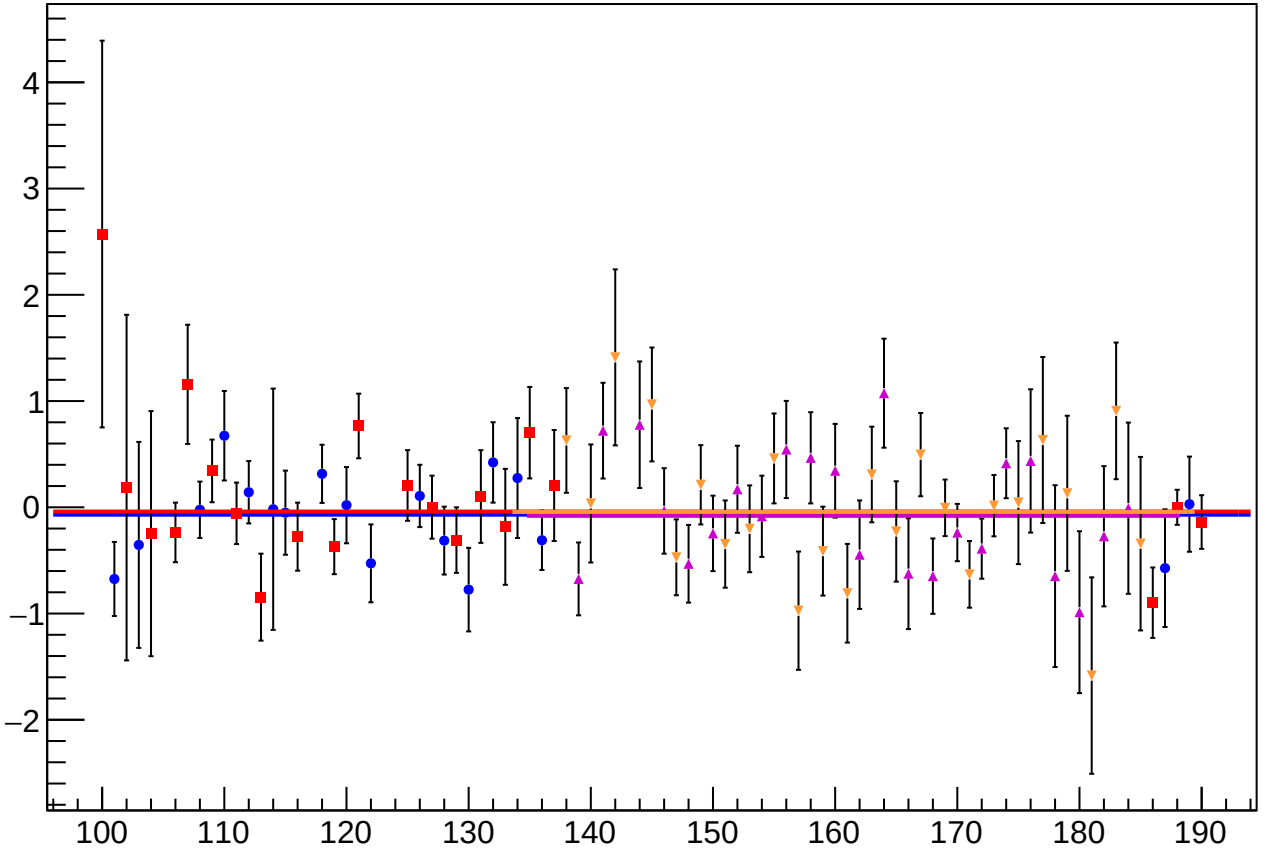
Right: 0.012+/-0.000 χ^2/NDF: 5677966.3/38

In: 0.009+/-0.000 χ^2/NDF:10109425.5/40

Out: 0.009+/-0.000 χ^2/NDF:13167356.3/44

All: 0.009+/-0.000 χ^2/NDF: 23336746.1/85

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

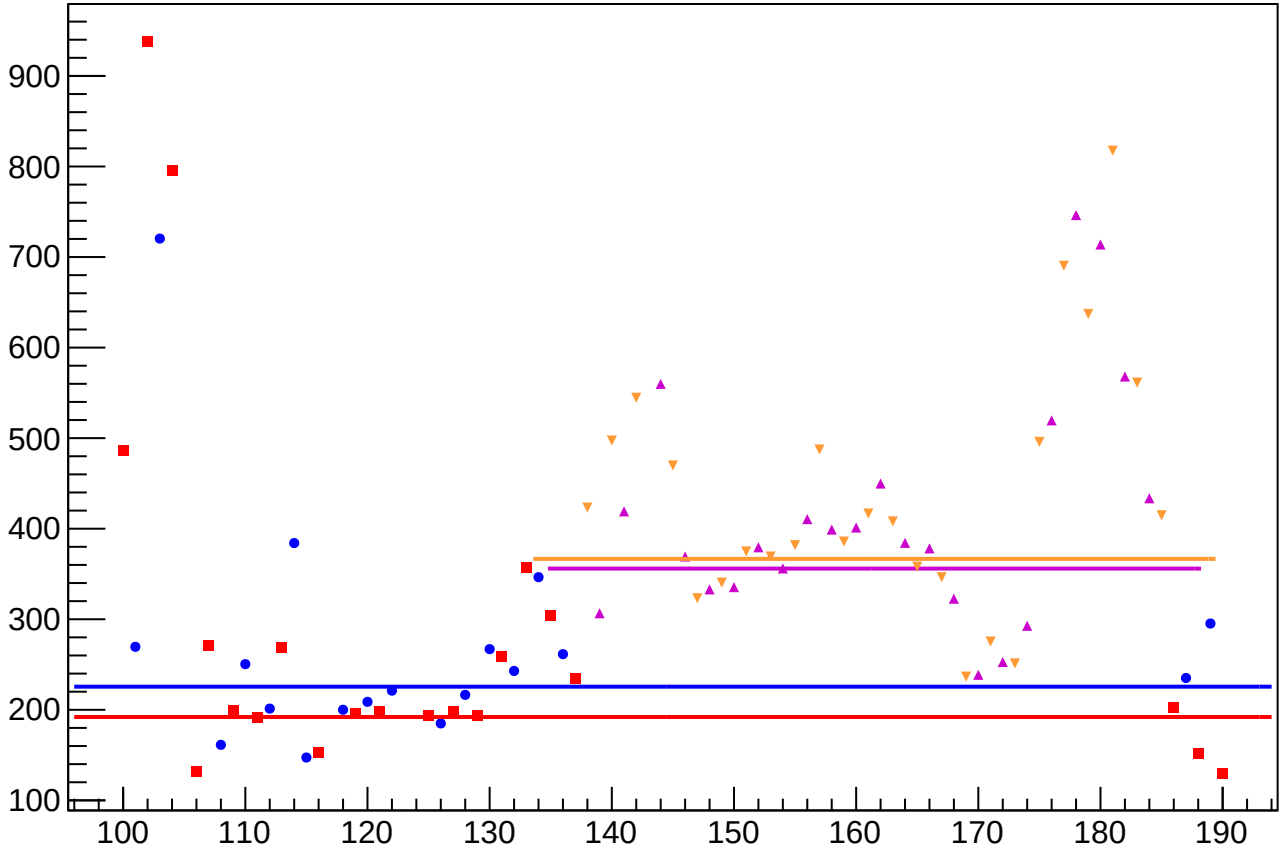
Right: -0.052+/-0.055 χ^2/NDF: 51.8/38

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.057+/-0.042 χ^2/NDF: 113.2/85

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

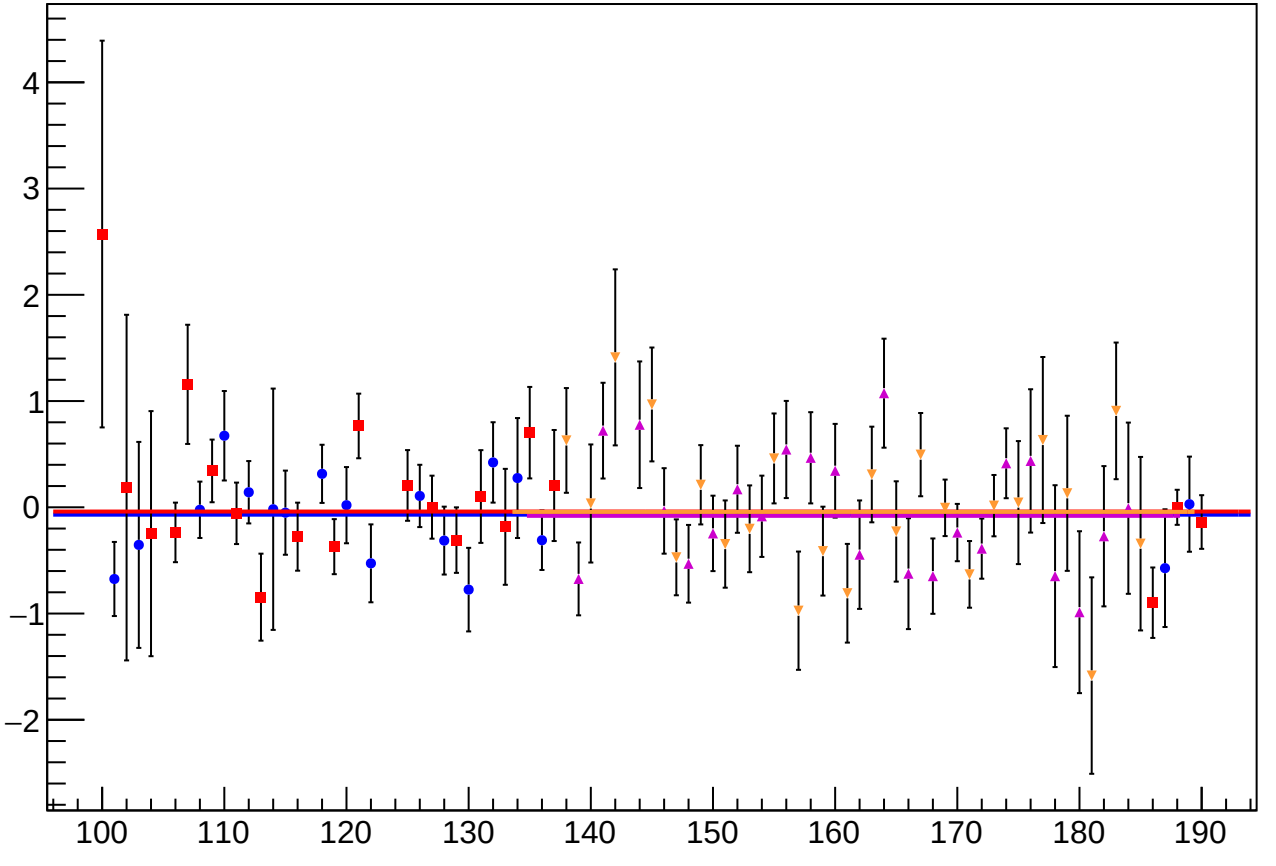
Right: 205.896+/-0.039 χ^2/NDF: 3126252.8/38

In: 289.380+/-0.043 χ^2/NDF:5747071.4/40

Out: 259.898+/-0.040 χ^2/NDF:9276234.5/44

All: 273.386+/-0.029 χ^2/NDF: 15273478.4/85

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

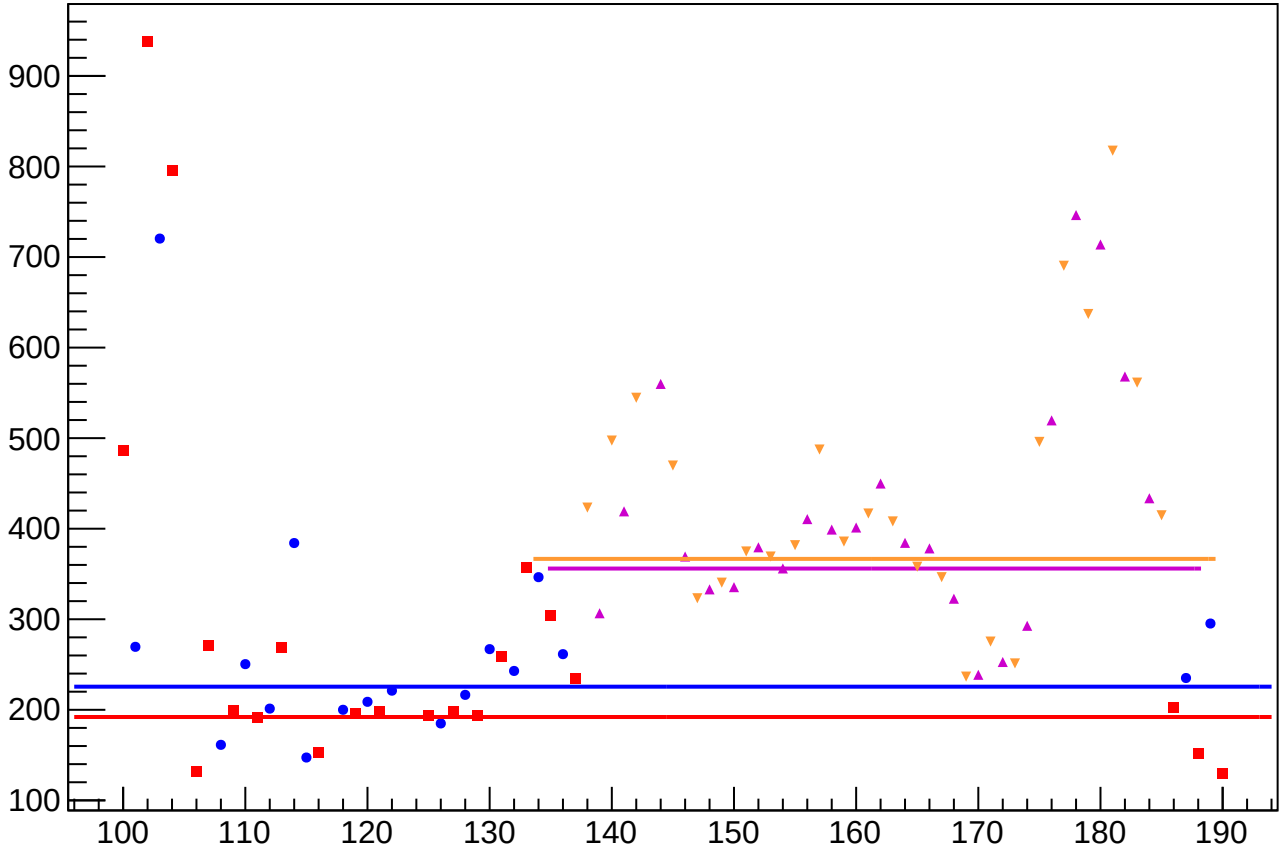
Right: -0.052+/-0.055 χ^2/NDF: 51.8/38

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.057+/-0.042 χ^2/NDF: 113.2/85

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

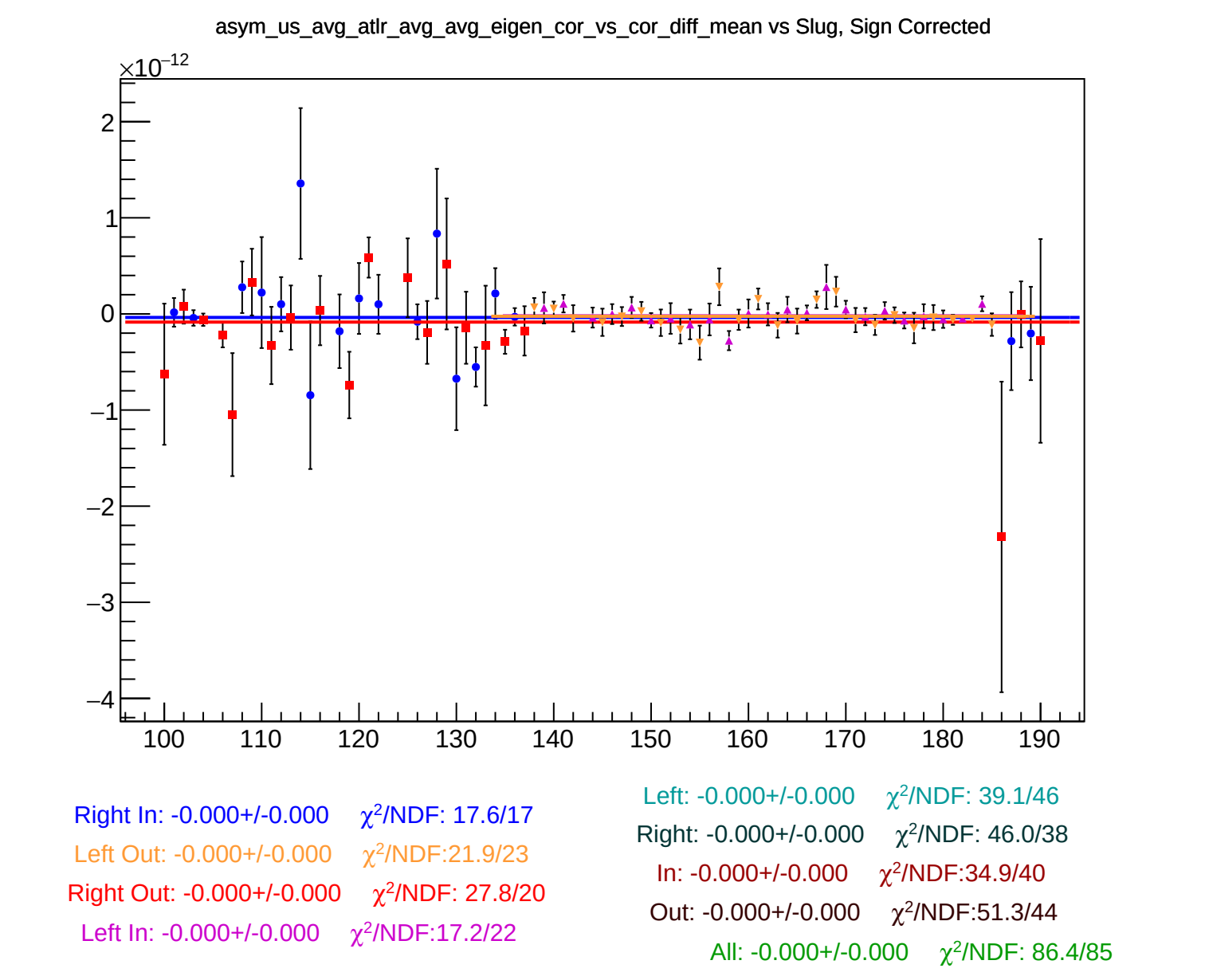
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

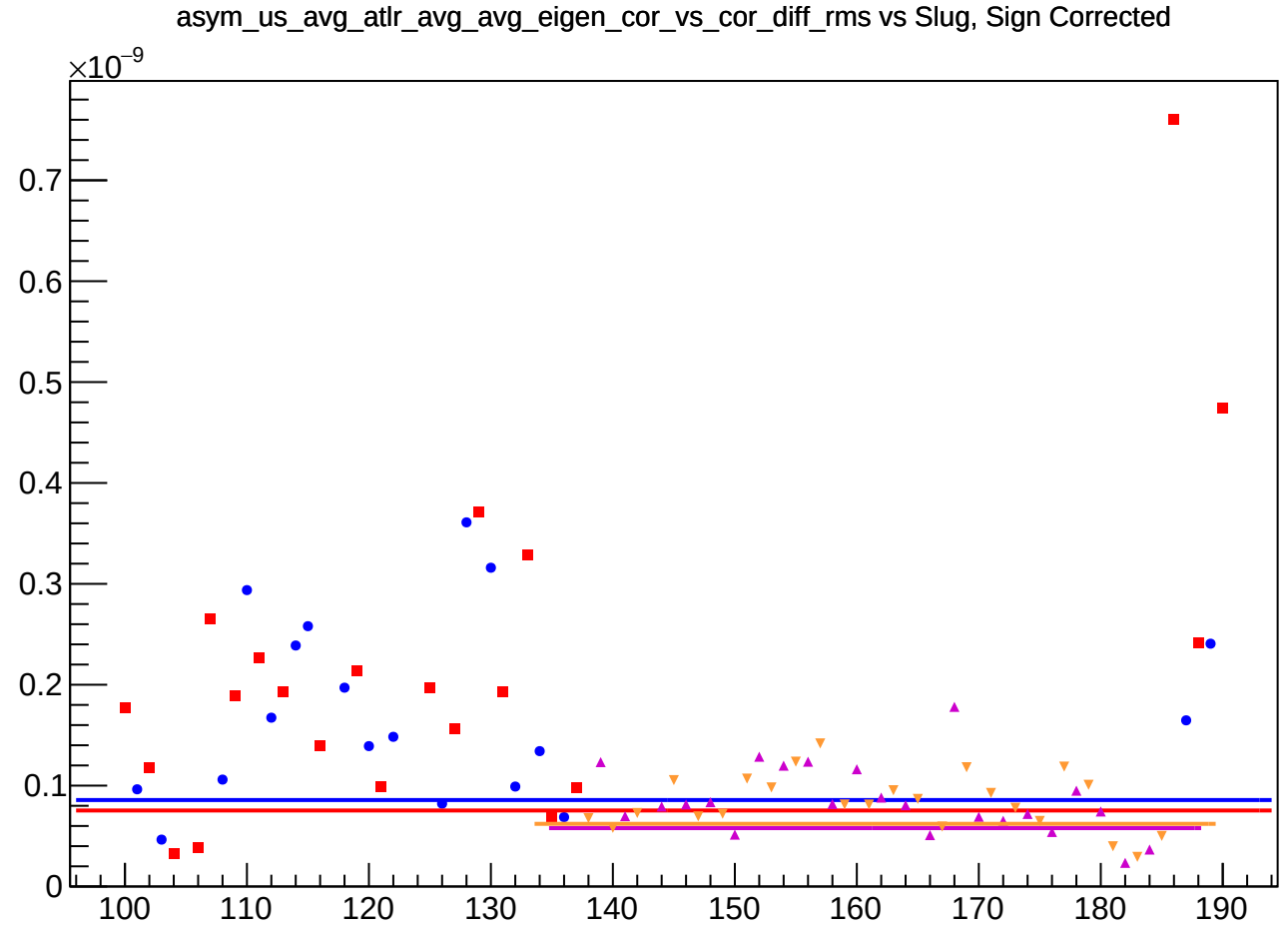
Right: 205.896+/-0.039 χ^2/NDF: 3126252.8/38

In: 289.380+/-0.043 χ^2/NDF:5747071.4/40

Out: 259.898+/-0.040 χ^2/NDF:9276234.5/44

All: 273.386+/-0.029 χ^2/NDF: 15273478.4/85


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.6/17
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/20
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 46.0/38
In: -0.000+/-0.000 χ²/NDF:34.9/40
Out: -0.000+/-0.000 χ²/NDF:51.3/44
All: -0.000+/-0.000 χ²/NDF: 86.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2491164.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4872523.8/20

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

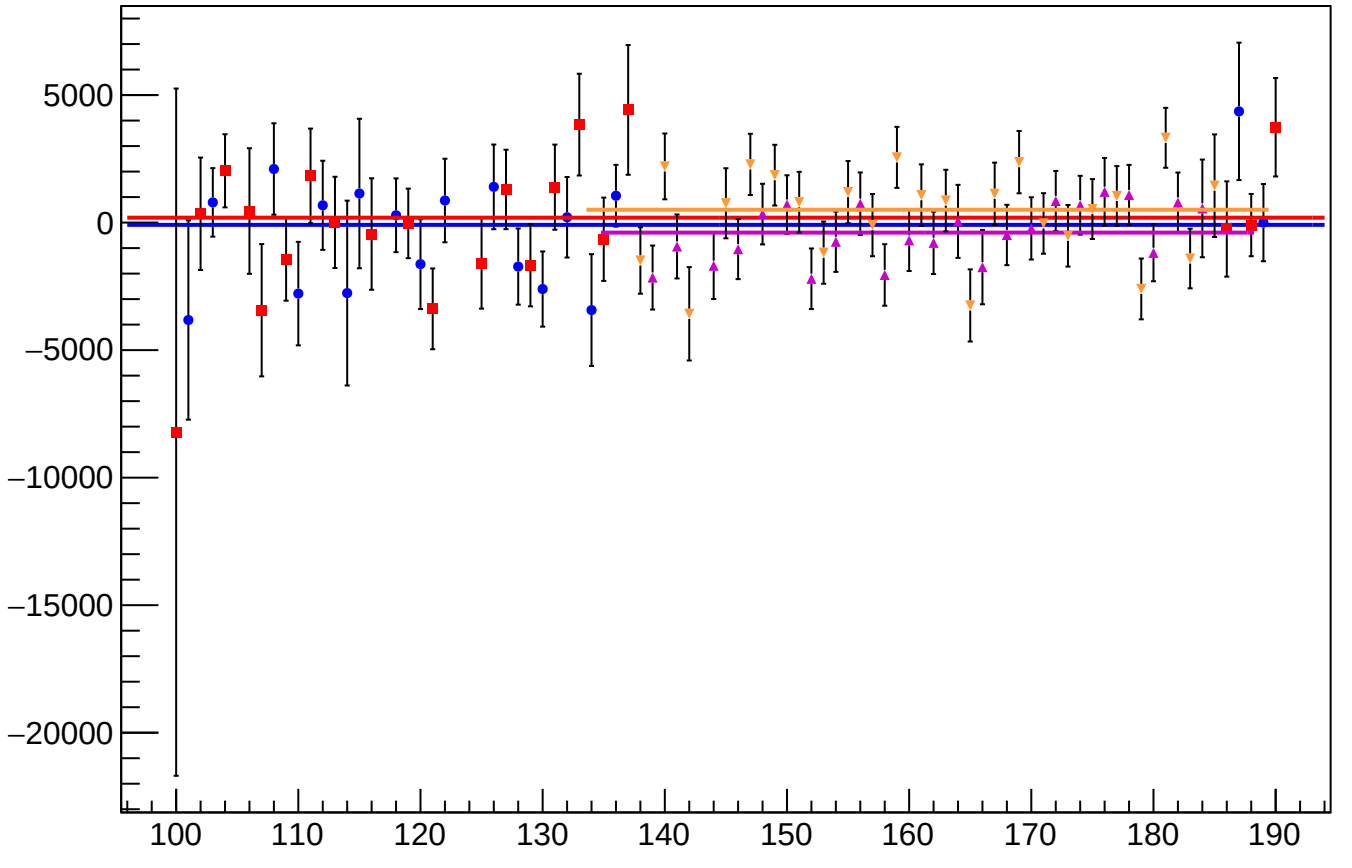
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7416029.9/38

In: 0.000+/-0.000 χ^2/NDF:8620312.3/40

Out: 0.000+/-0.000 χ^2/NDF:9125301.6/44

All: 0.000+/-0.000 χ^2/NDF: 17768827.2/85



Right In: -88.434+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 192.482+/-388.789 χ^2/NDF: 24.2/20

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

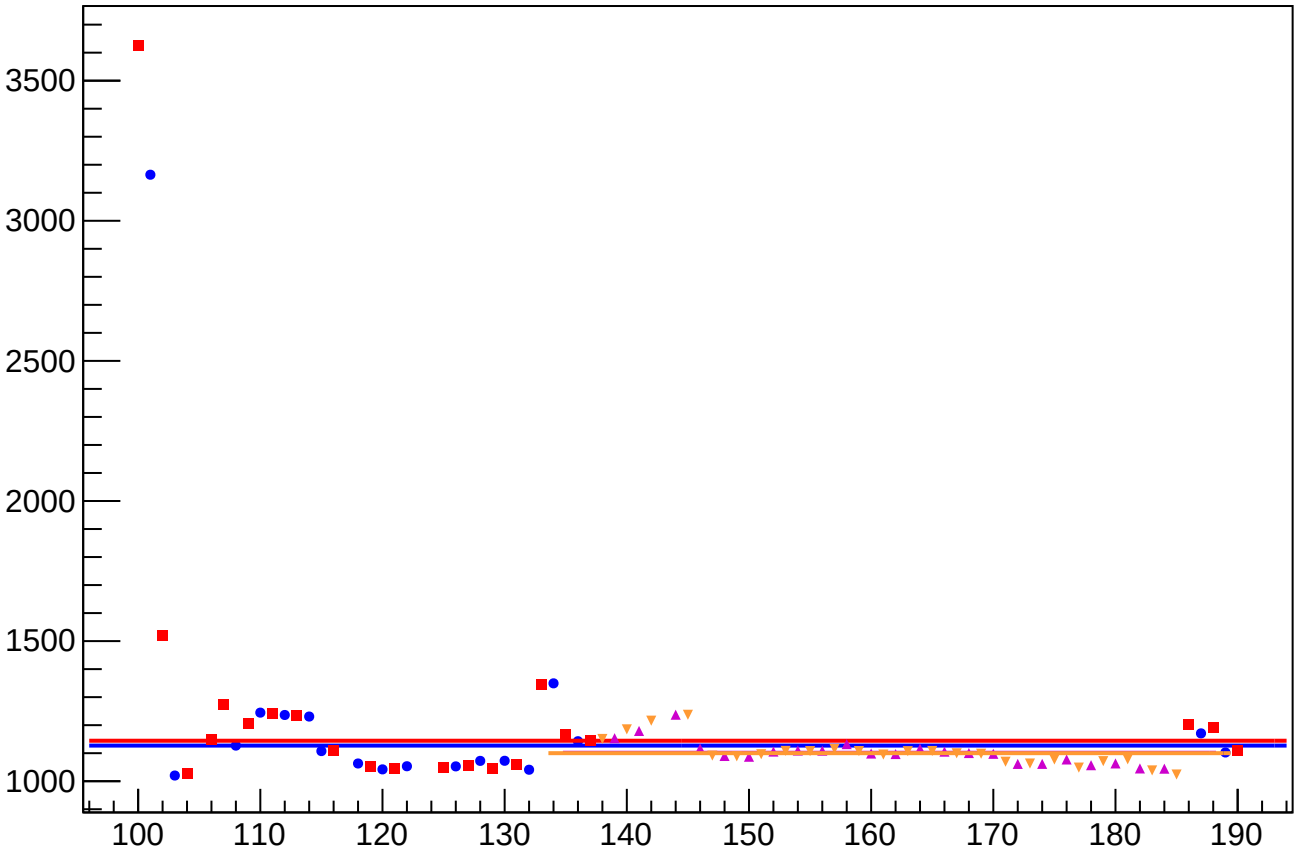
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 58.833+/-281.500 χ^2/NDF: 42.0/38

In: -305.403+/-217.707 χ^2/NDF:35.8/40

Out: 409.751+/-213.538 χ^2/NDF:69.2/44

All: 59.086+/-152.447 χ^2/NDF: 110.5/85



Right In: 1127.135+/-0.289 χ^2/NDF: 622455.2/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1144.464+/-0.275 χ^2/NDF: 226321.5/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

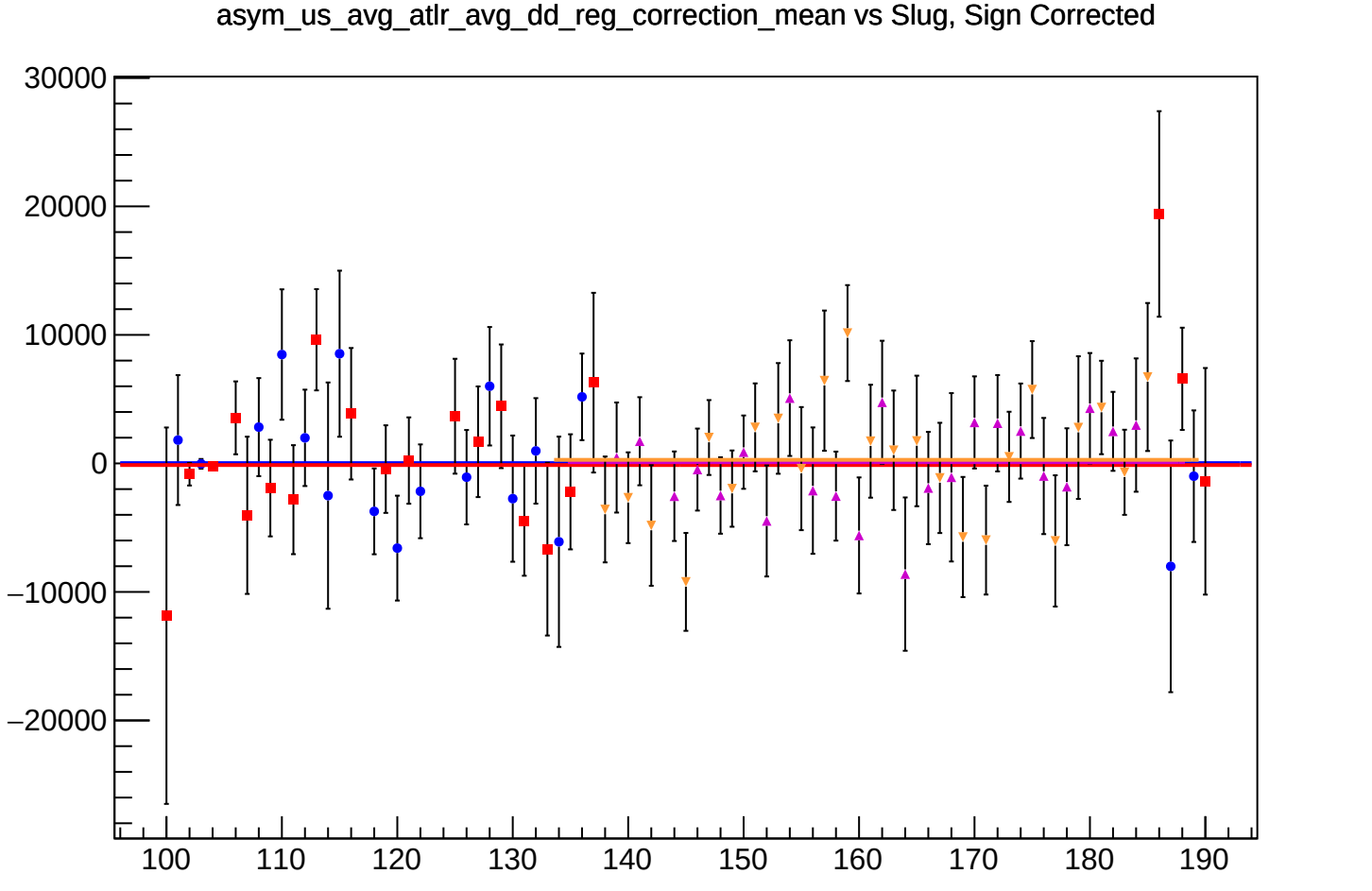
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.232+/-0.199 χ^2/NDF: 850669.8/38

In: 1108.816+/-0.154 χ^2/NDF:680233.6/40

Out: 1113.485+/-0.151 χ^2/NDF:303308.8/44

All: 1111.197+/-0.108 χ^2/NDF: 984011.5/85



Right In: 22.616+/-356.545 χ^2/NDF: 15.6/17

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -127.421+/-321.017 χ^2/NDF: 24.5/20

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

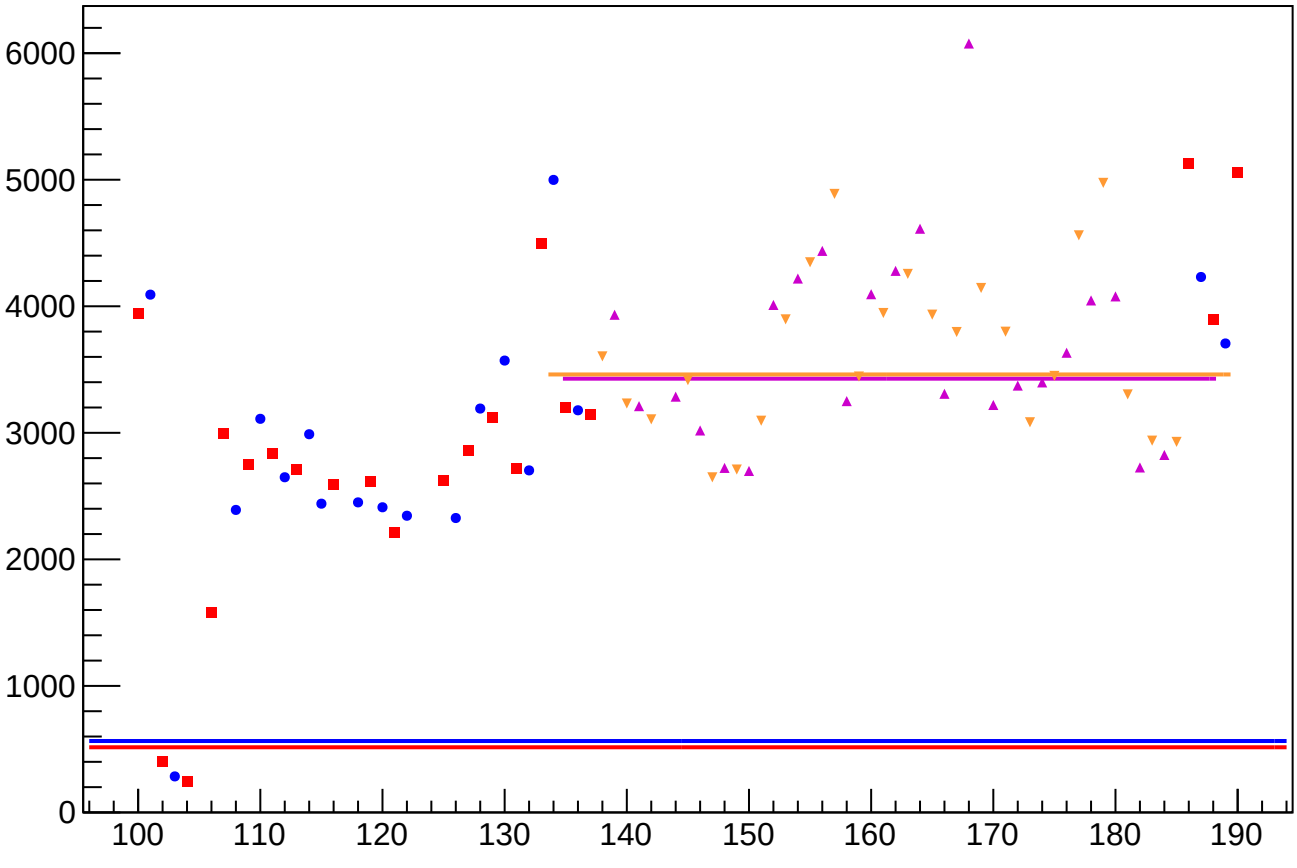
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -60.248+/-238.568 χ^2/NDF: 40.2/38

In: 34.148+/-326.796 χ^2/NDF:29.2/40

Out: -73.666+/-298.951 χ^2/NDF:54.6/44

All: -24.547+/-220.579 χ^2/NDF: 83.9/85



Right In: 564.566+/-0.252 χ^2/NDF: 10723285.4/17

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 515.061+/-0.227 χ^2/NDF: 11852610.6/20

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

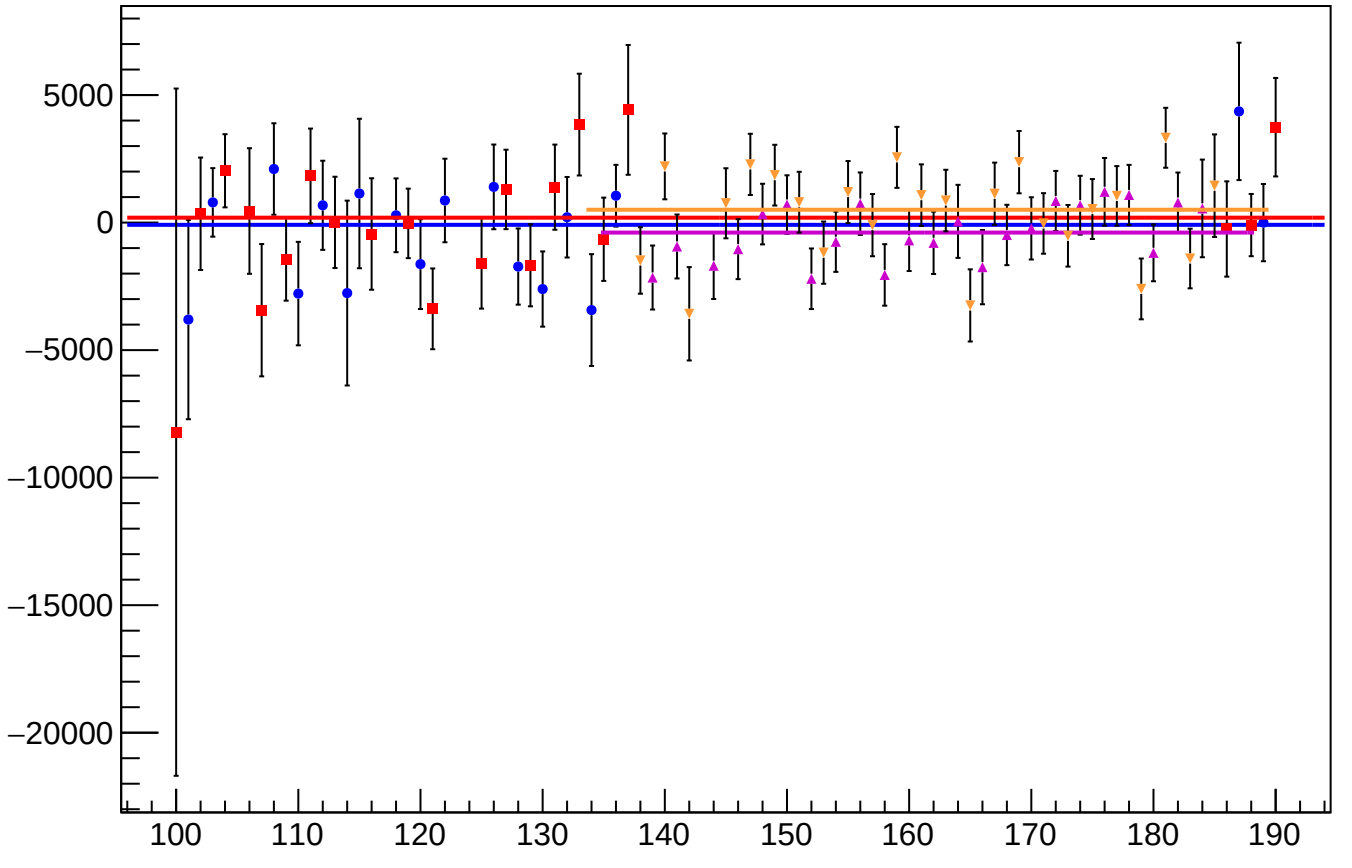
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 537.225+/-0.169 χ^2/NDF: 22597190.7/38

In: 1022.433+/-0.231 χ^2/NDF:32592037.6/40

Out: 906.174+/-0.211 χ^2/NDF:35274744.9/44

All: 959.141+/-0.156 χ^2/NDF: 68004584.6/85



Right In: -88.254+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 192.603+/-388.789 χ^2/NDF: 24.2/20

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

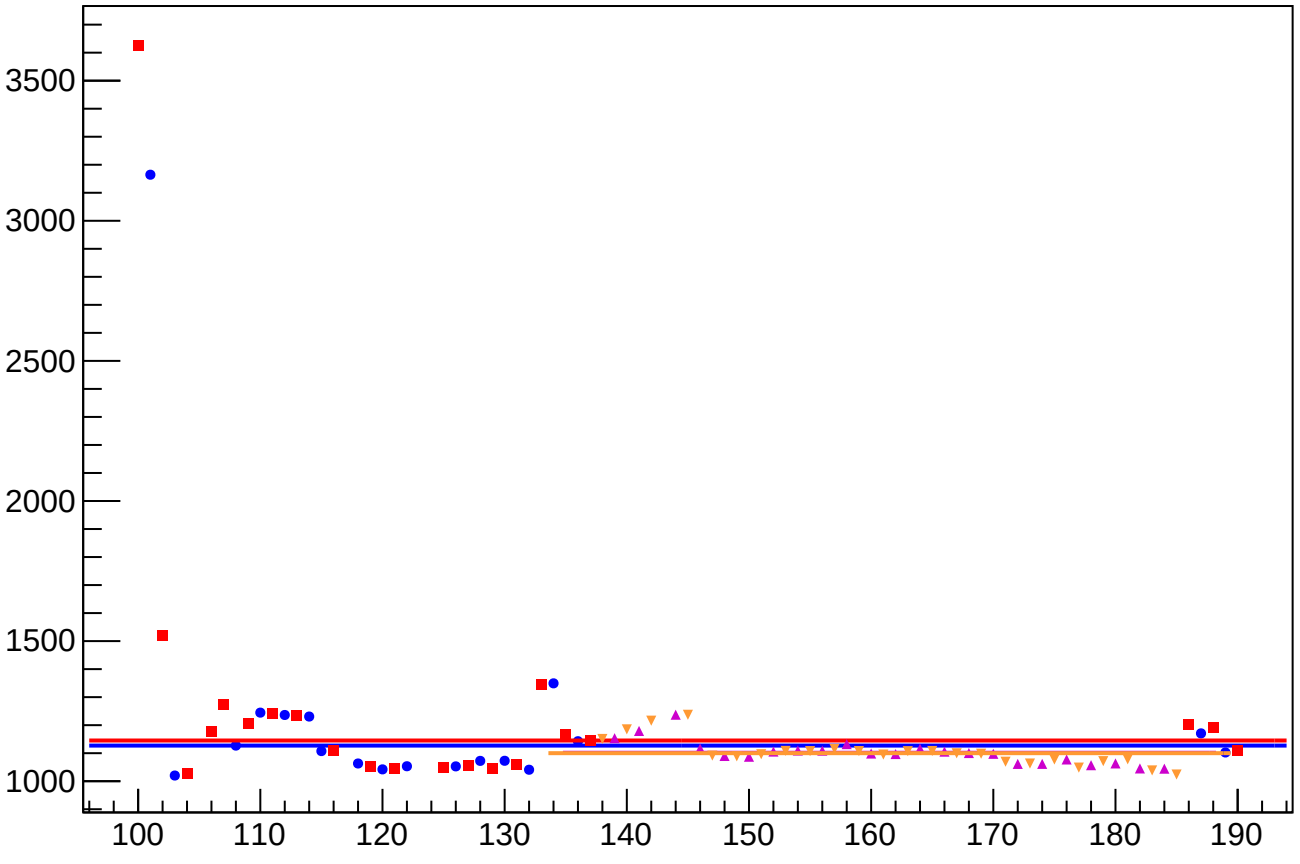
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 58.981+/-281.500 χ^2/NDF: 42.0/38

In: -305.343+/-217.707 χ^2/NDF:35.8/40

Out: 409.839+/-213.538 χ^2/NDF:69.2/44

All: 59.160+/-152.447 χ^2/NDF: 110.5/85



Right In: 1127.135+/-0.289 χ^2/NDF: 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

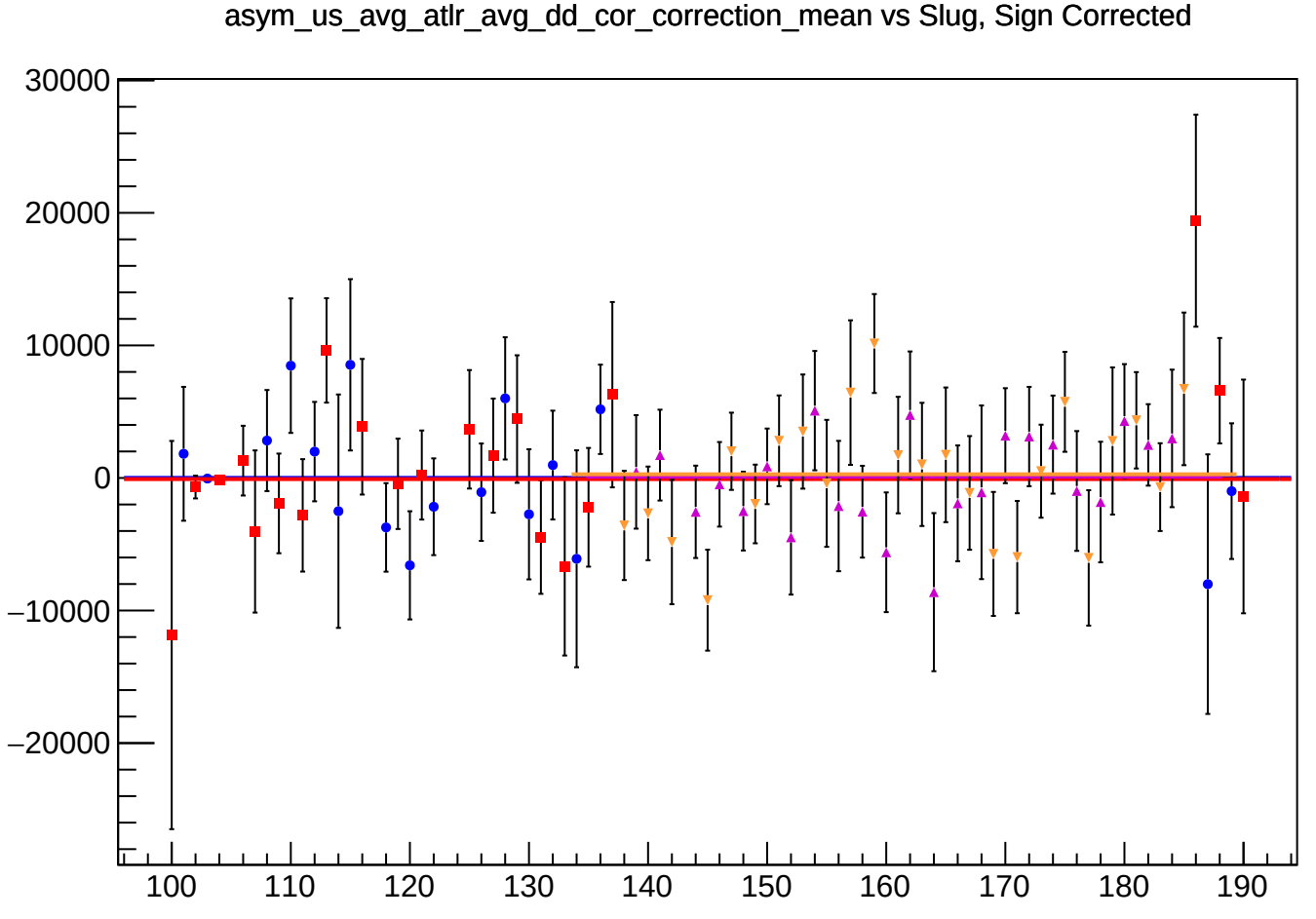
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.641+/-0.199 χ^2/NDF: 851231.7/38

In: 1108.816+/-0.154 χ^2/NDF:680234.6/40

Out: 1113.706+/-0.151 χ^2/NDF:304326.9/44

All: 1111.309+/-0.108 χ^2/NDF: 985075.9/85



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

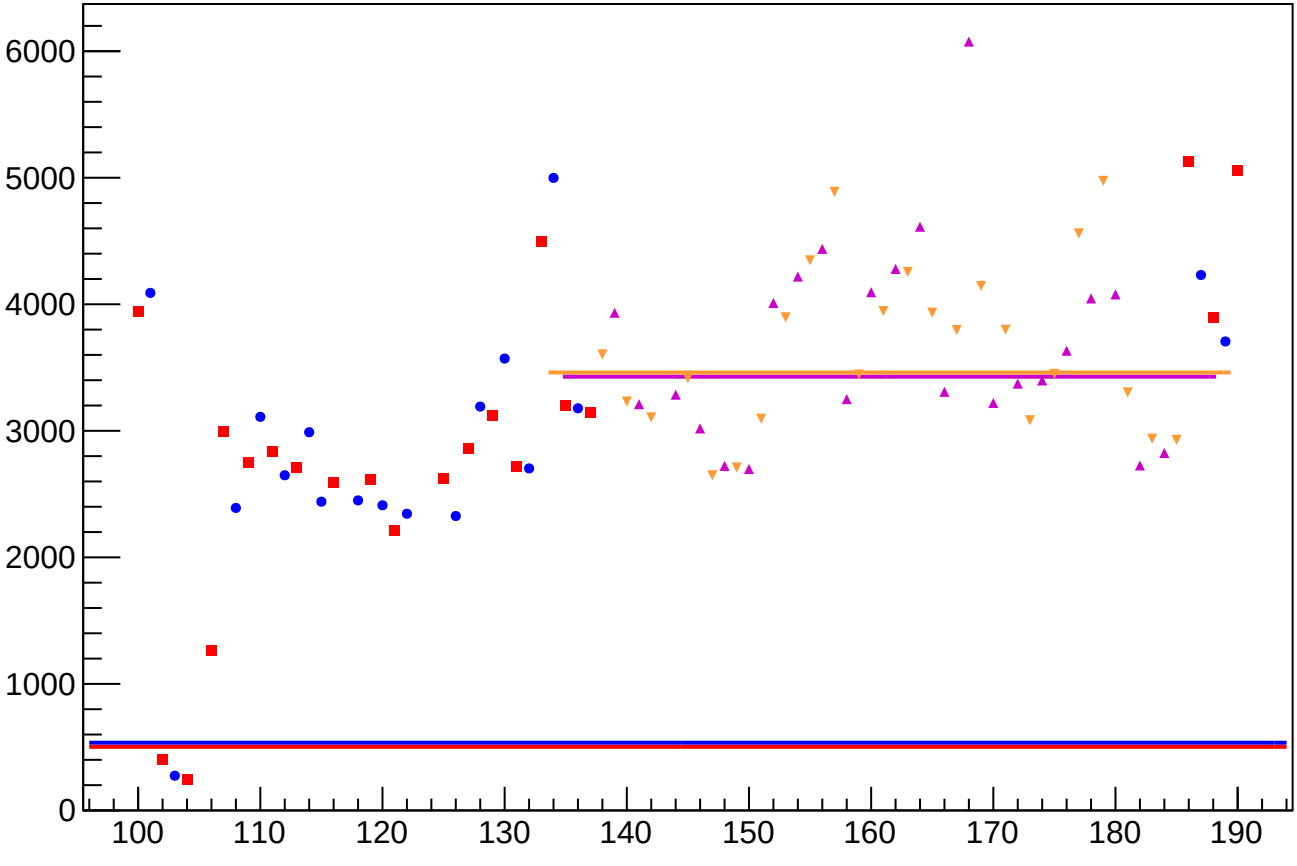
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -42.640+/-232.537 χ^2/NDF: 38.4/38

In: 20.329+/-316.692 χ^2/NDF:29.2/40

Out: -37.994+/-294.814 χ^2/NDF:52.9/44

All: -10.916+/-215.785 χ^2/NDF: 82.1/85



Right In: 535.239+/-0.243 χ^2/NDF: 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 502.841+/-0.223 χ^2/NDF: 11792070.8/20

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

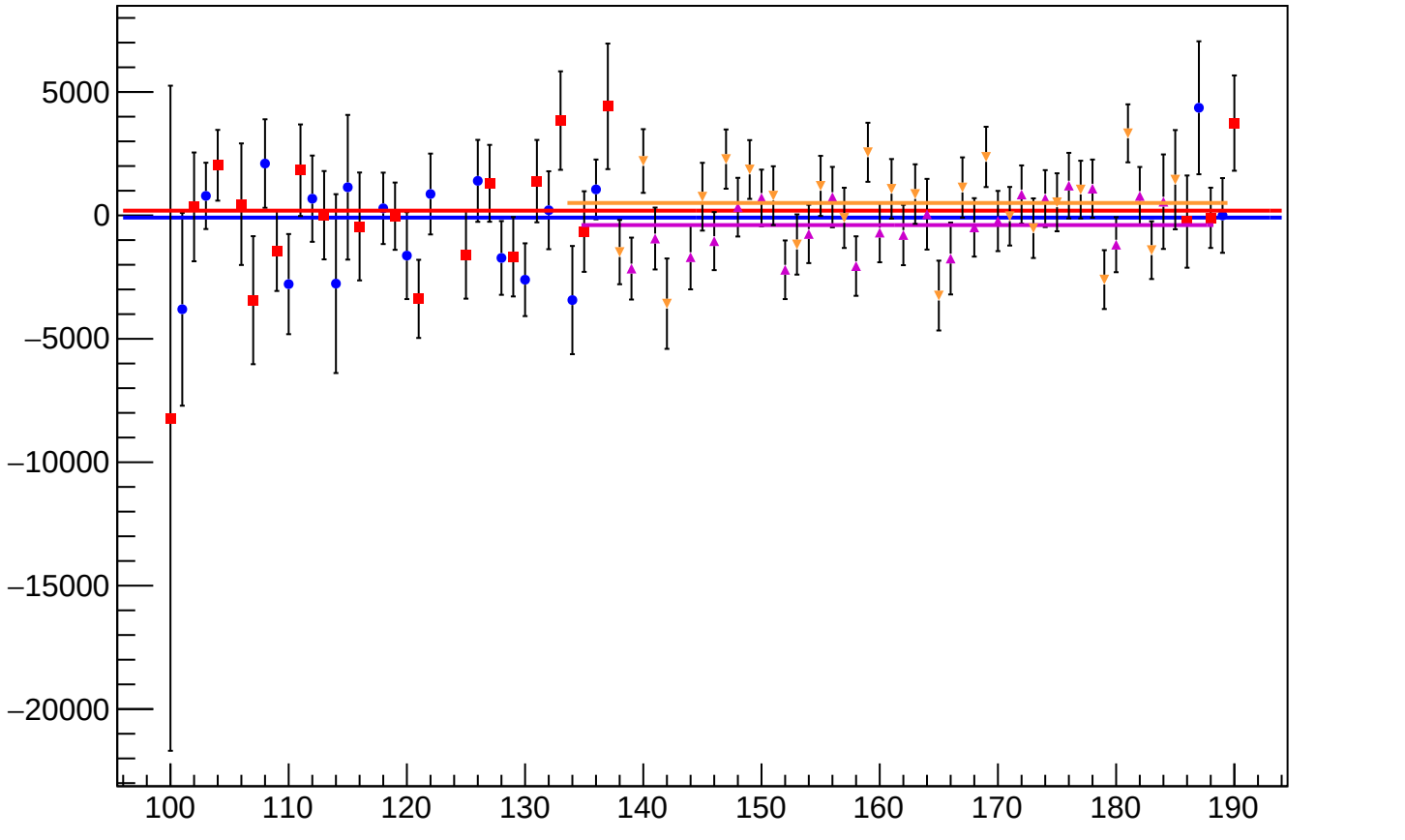
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 517.685+/-0.164 χ^2/NDF: 22694978.1/38

In: 969.634+/-0.224 χ^2/NDF:33430644.9/40

Out: 884.783+/-0.208 χ^2/NDF:35494984.4/44

All: 924.177+/-0.153 χ^2/NDF: 69002545.9/85



Right In: -88.254+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 192.603+/-388.789 χ^2/NDF: 24.2/20

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

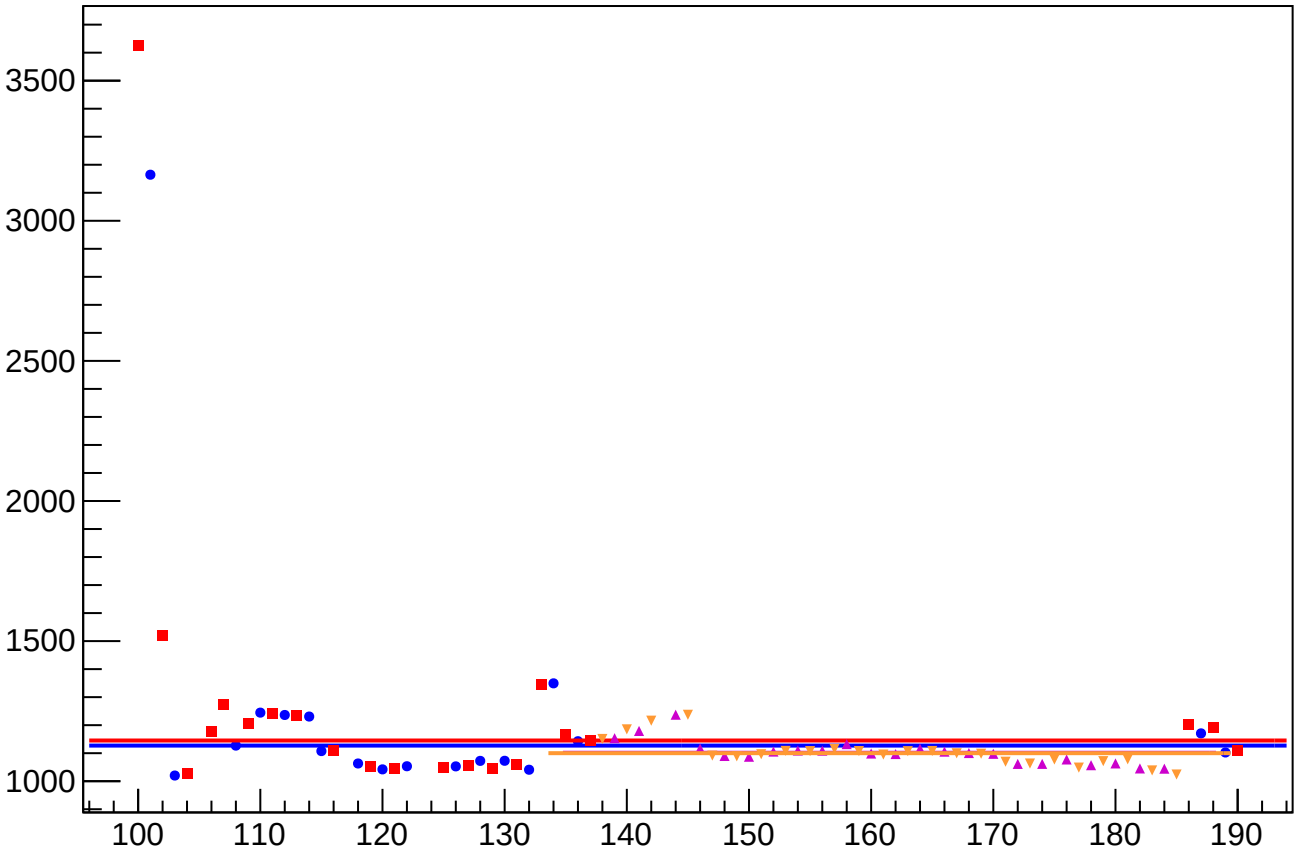
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 58.981+/-281.500 χ^2/NDF: 42.0/38

In: -305.343+/-217.707 χ^2/NDF:35.8/40

Out: 409.839+/-213.538 χ^2/NDF:69.2/44

All: 59.160+/-152.447 χ^2/NDF: 110.5/85



Right In: 1127.135+/-0.289 χ^2/NDF: 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

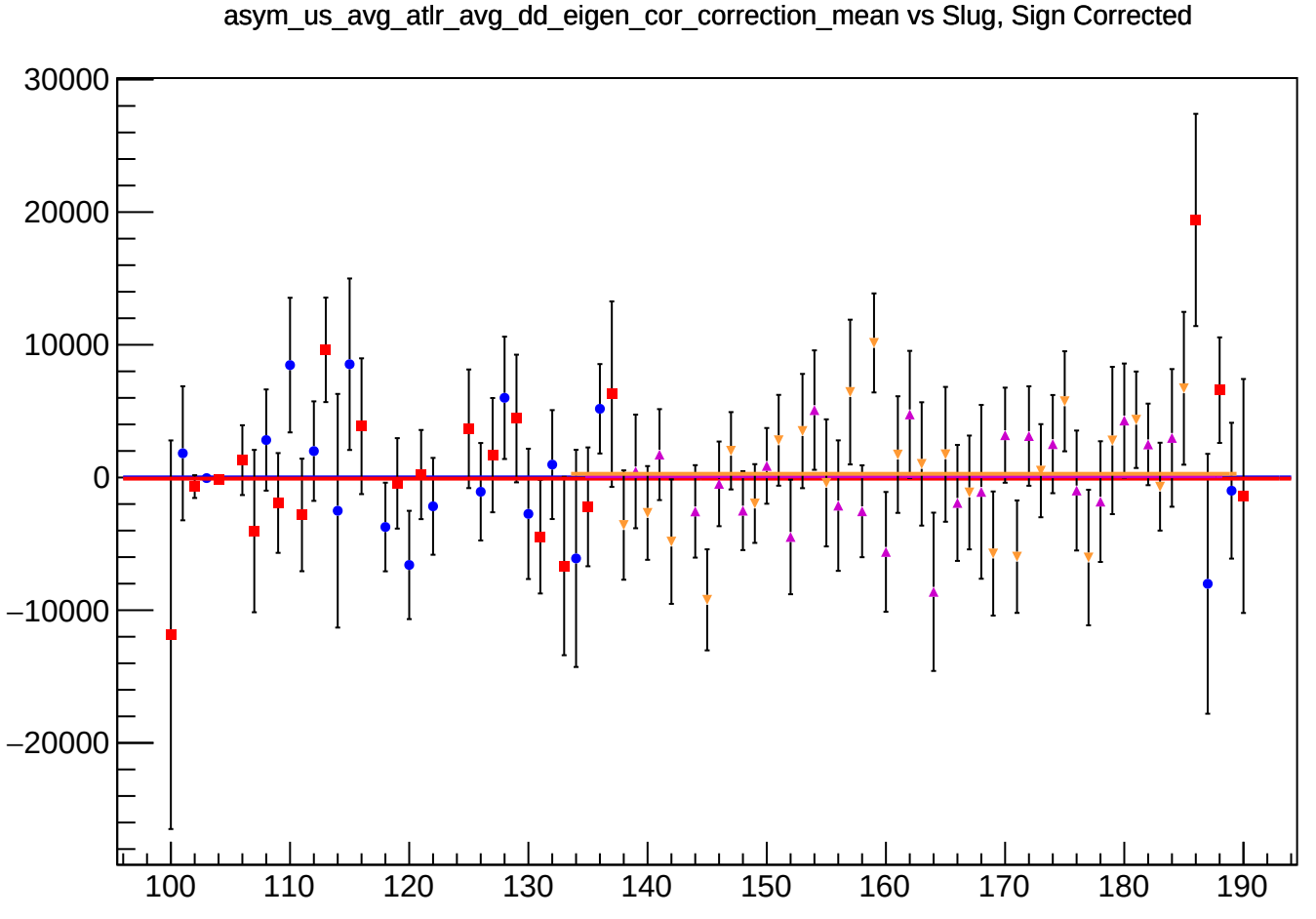
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.641+/-0.199 χ^2/NDF: 851231.7/38

In: 1108.816+/-0.154 χ^2/NDF:680234.6/40

Out: 1113.706+/-0.151 χ^2/NDF:304326.9/44

All: 1111.309+/-0.108 χ^2/NDF: 985075.9/85



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

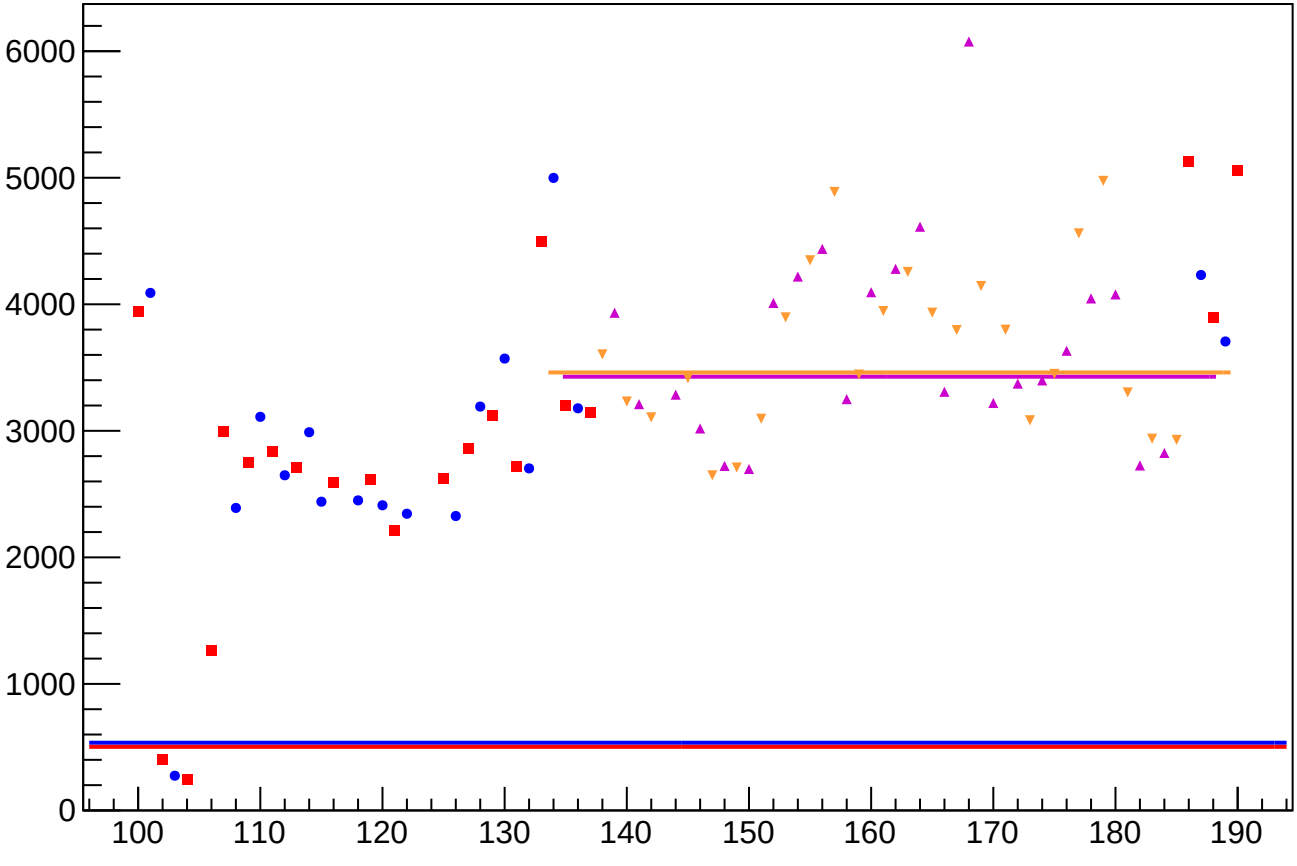
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -42.640+/-232.537 χ^2/NDF: 38.4/38

In: 20.329+/-316.692 χ^2/NDF:29.2/40

Out: -37.994+/-294.814 χ^2/NDF:52.9/44

All: -10.916+/-215.785 χ^2/NDF: 82.1/85



Right In: 535.239+/-0.243 χ^2/NDF: 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 502.841+/-0.223 χ^2/NDF: 11792070.8/20

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

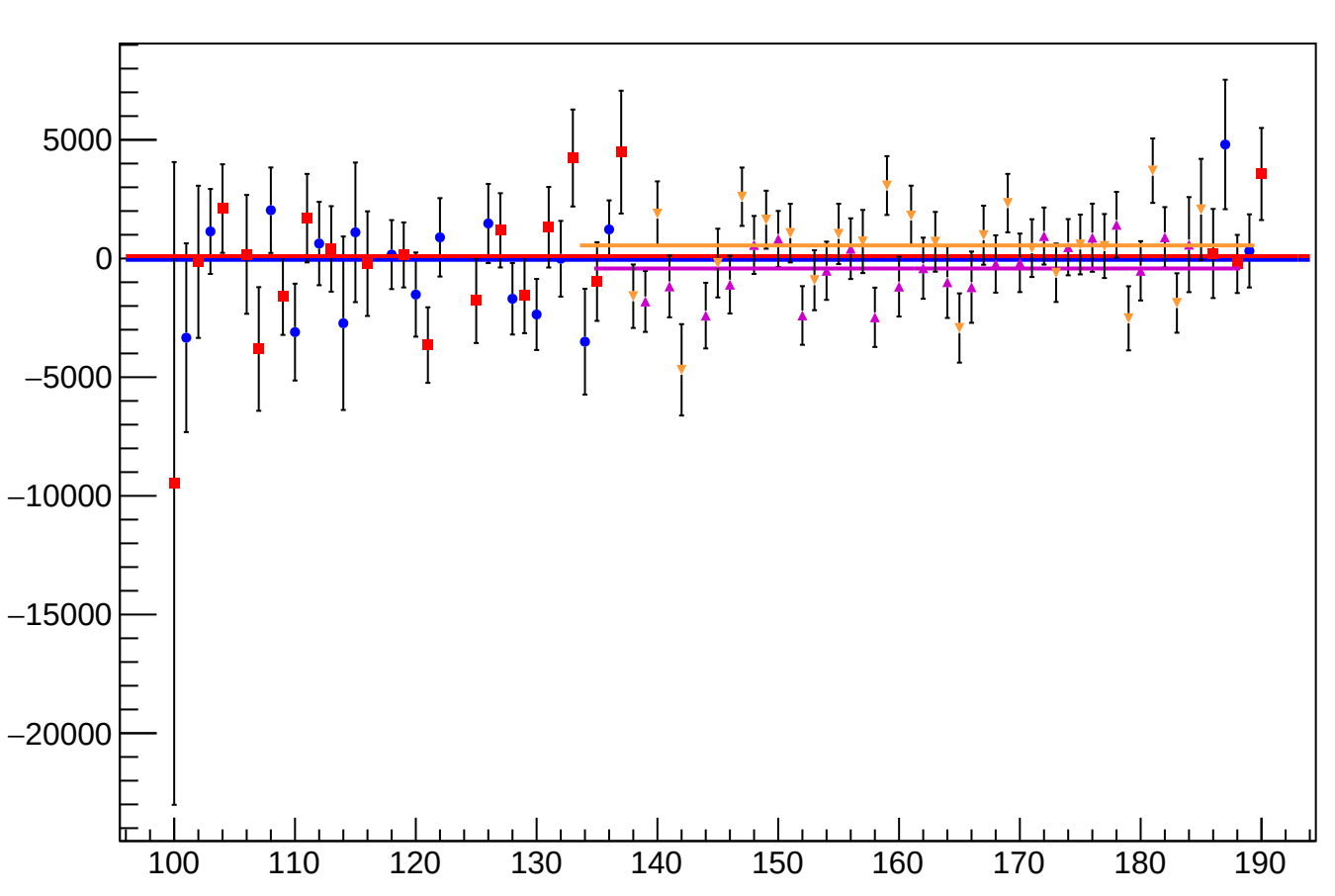
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 517.685+/-0.164 χ^2/NDF: 22694978.1/38

In: 969.634+/-0.224 χ^2/NDF:33430644.9/40

Out: 884.783+/-0.208 χ^2/NDF:35494984.4/44

All: 924.177+/-0.153 χ^2/NDF: 69002545.9/85



Right In: -54.038+/-420.373 χ^2/NDF: 17.7/17

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 100.617+/-401.103 χ^2/NDF: 25.0/20

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

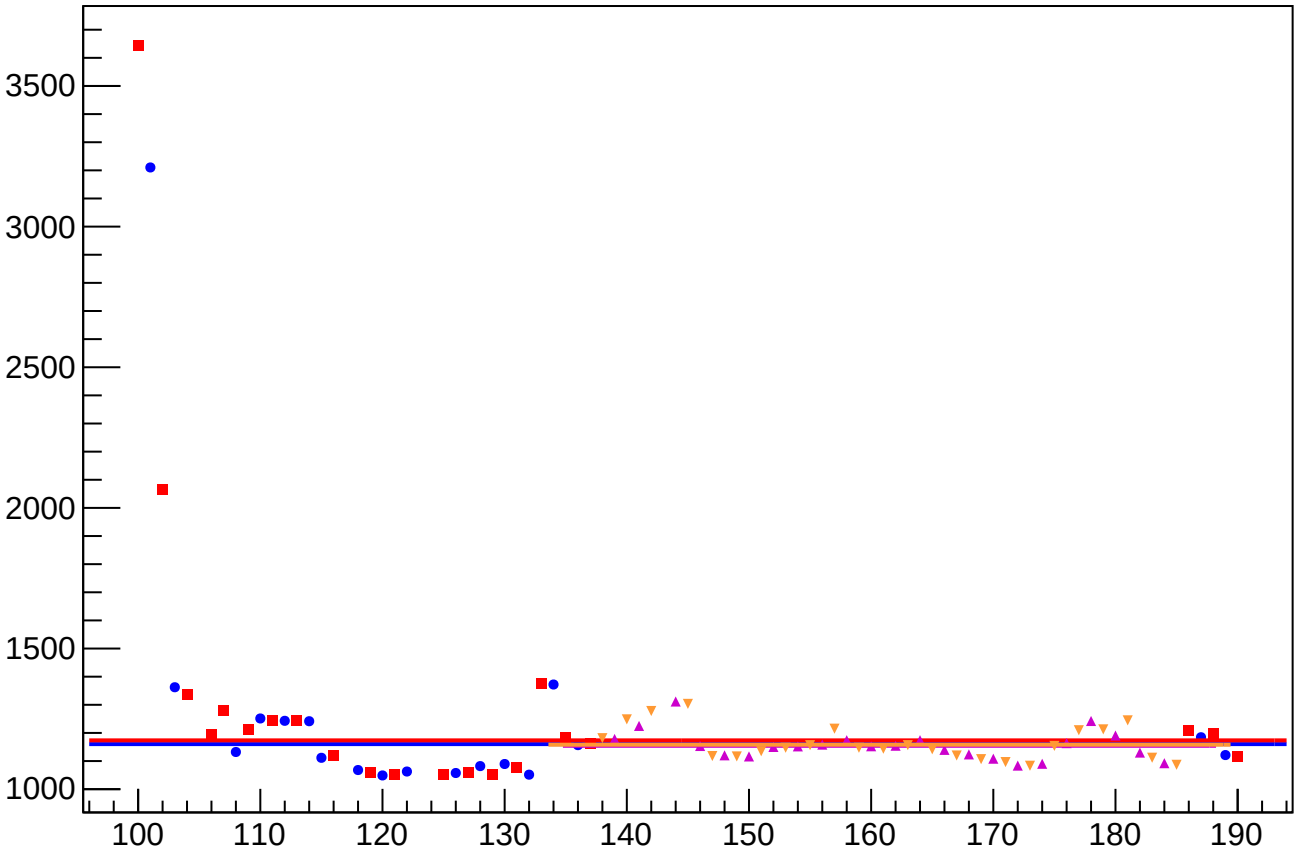
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 26.916+/-290.196 χ^2/NDF: 42.8/38

In: -313.948+/-227.067 χ^2/NDF:36.2/40

Out: 410.893+/-223.528 χ^2/NDF:71.1/44

All: 54.165+/-159.295 χ^2/NDF: 112.5/85



Right In: 1160.278+/-0.297 χ^2/NDF: 636860.6/17

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1173.564+/-0.284 χ^2/NDF: 334853.3/20

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

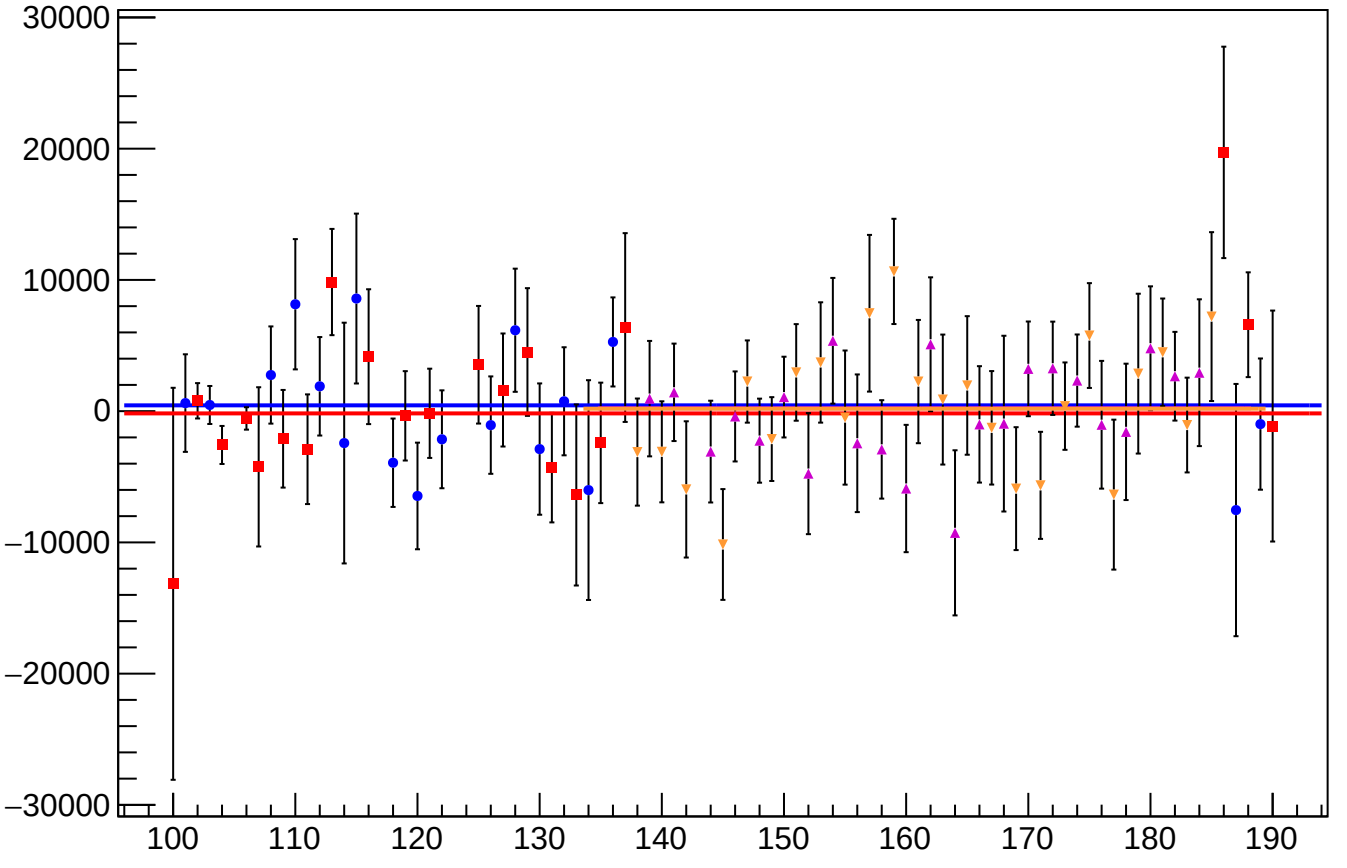
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1167.235+/-0.205 χ^2/NDF: 972760.0/38

In: 1155.995+/-0.161 χ^2/NDF:703630.6/40

Out: 1162.958+/-0.158 χ^2/NDF:420995.4/44

All: 1159.532+/-0.113 χ^2/NDF: 1125581.3/85



Right In: 442.844+/-857.628 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -170.555+/-557.797 χ^2/NDF: 25.8/20

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

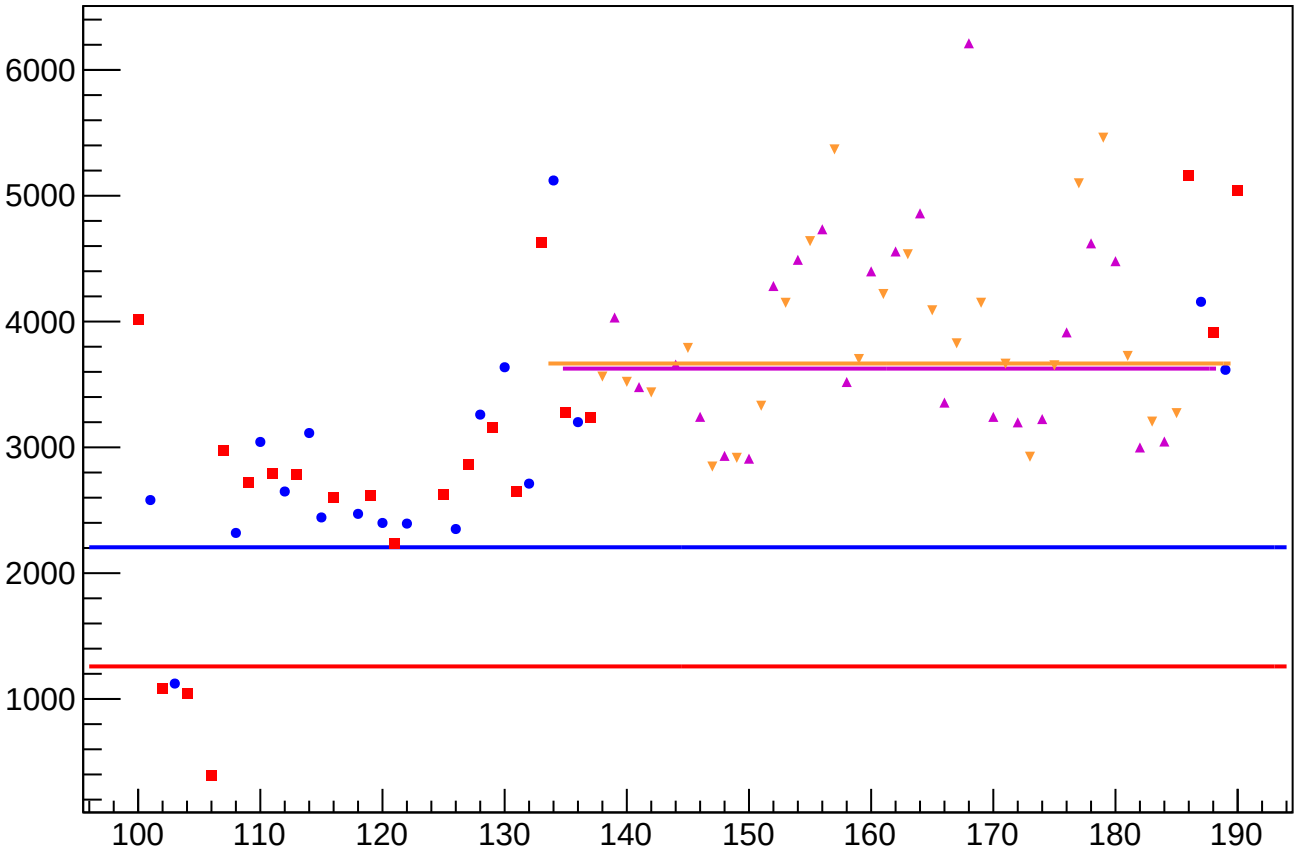
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 11.788+/-467.597 χ^2/NDF: 41.3/38

In: 333.021+/-608.946 χ^2/NDF:28.6/40

Out: -65.499+/-469.483 χ^2/NDF:55.2/44

All: 83.072+/-371.809 χ^2/NDF: 84.1/85



Right In: 2205.883+/-0.606 χ^2/NDF: 2225564.6/17

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1258.765+/-0.394 χ^2/NDF: 7588141.7/20

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

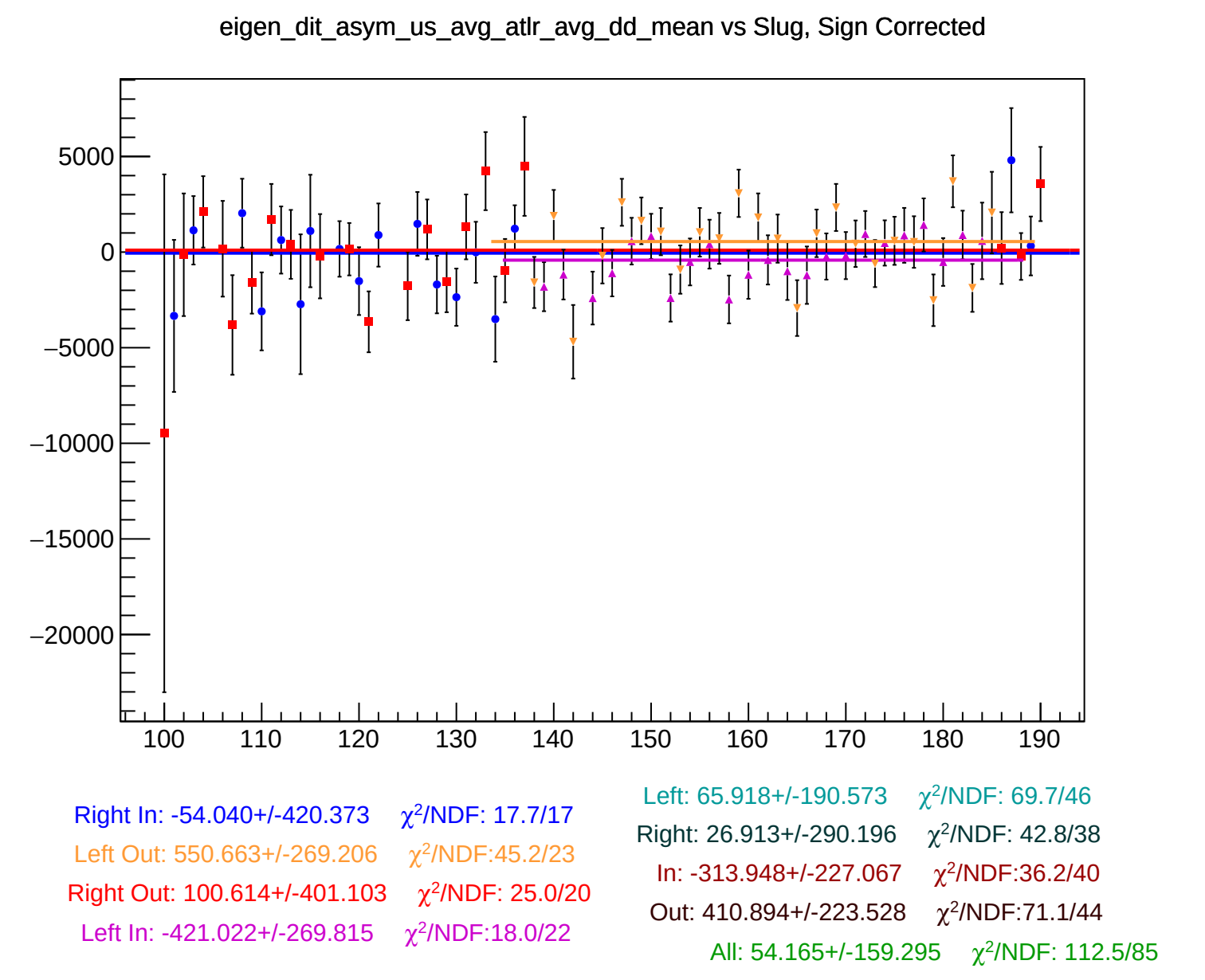
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

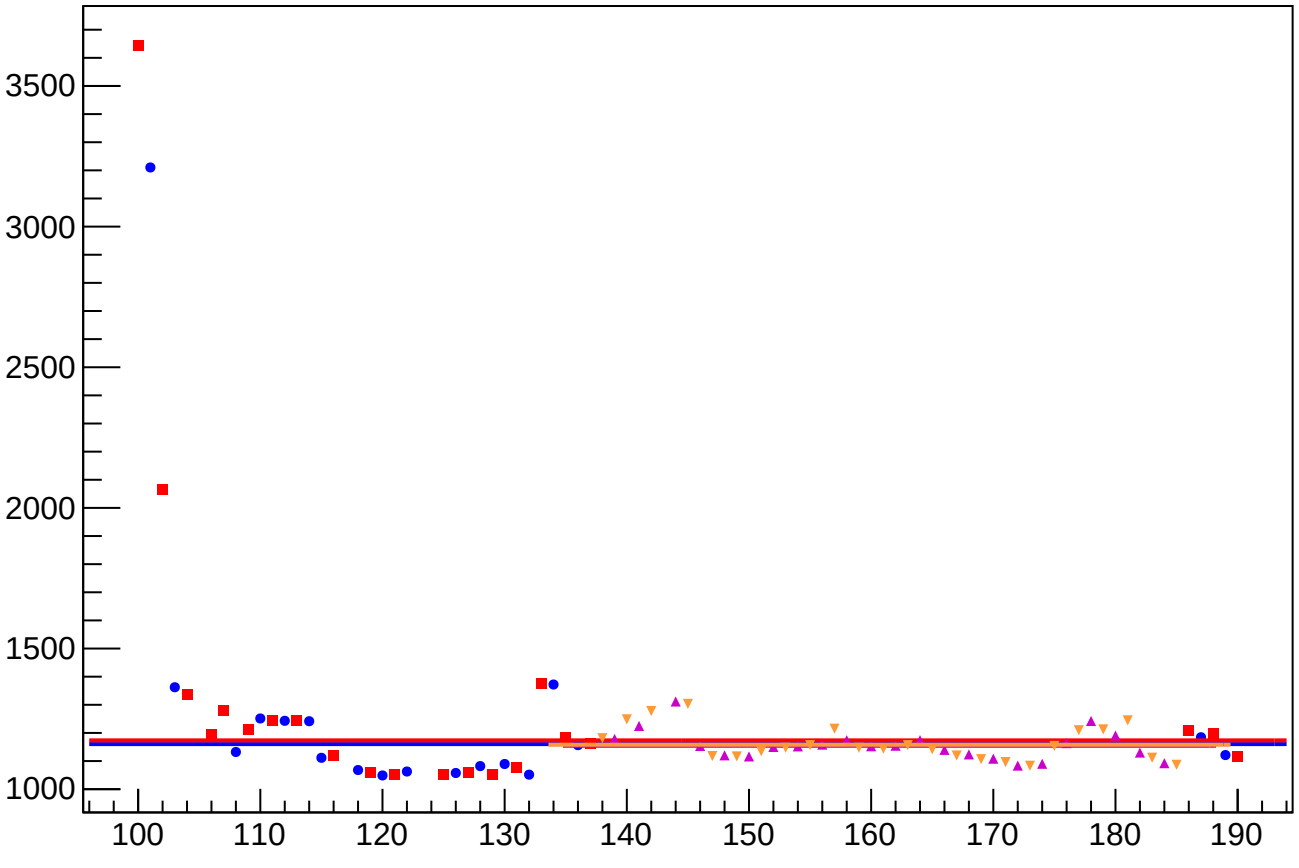
Right: 1540.311+/-0.331 χ^2/NDF: 11527782.4/38

In: 2910.019+/-0.431 χ^2/NDF:6202400.9/40

Out: 1960.839+/-0.332 χ^2/NDF:19550112.6/44

All: 2314.699+/-0.263 χ^2/NDF: 28800207.8/8


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -54.040+/-420.373 χ²/NDF: 17.7/17
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 100.614+/-401.103 χ²/NDF: 25.0/20
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: 26.913+/-290.196 χ²/NDF: 42.8/38
In: -313.948+/-227.067 χ²/NDF:36.2/40
Out: 410.894+/-223.528 χ²/NDF:71.1/44
All: 54.165+/-159.295 χ²/NDF: 112.5/85



Right In: 1160.278+/-0.297 χ^2/NDF: 636860.8/17

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1173.564+/-0.284 χ^2/NDF: 334852.9/20

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

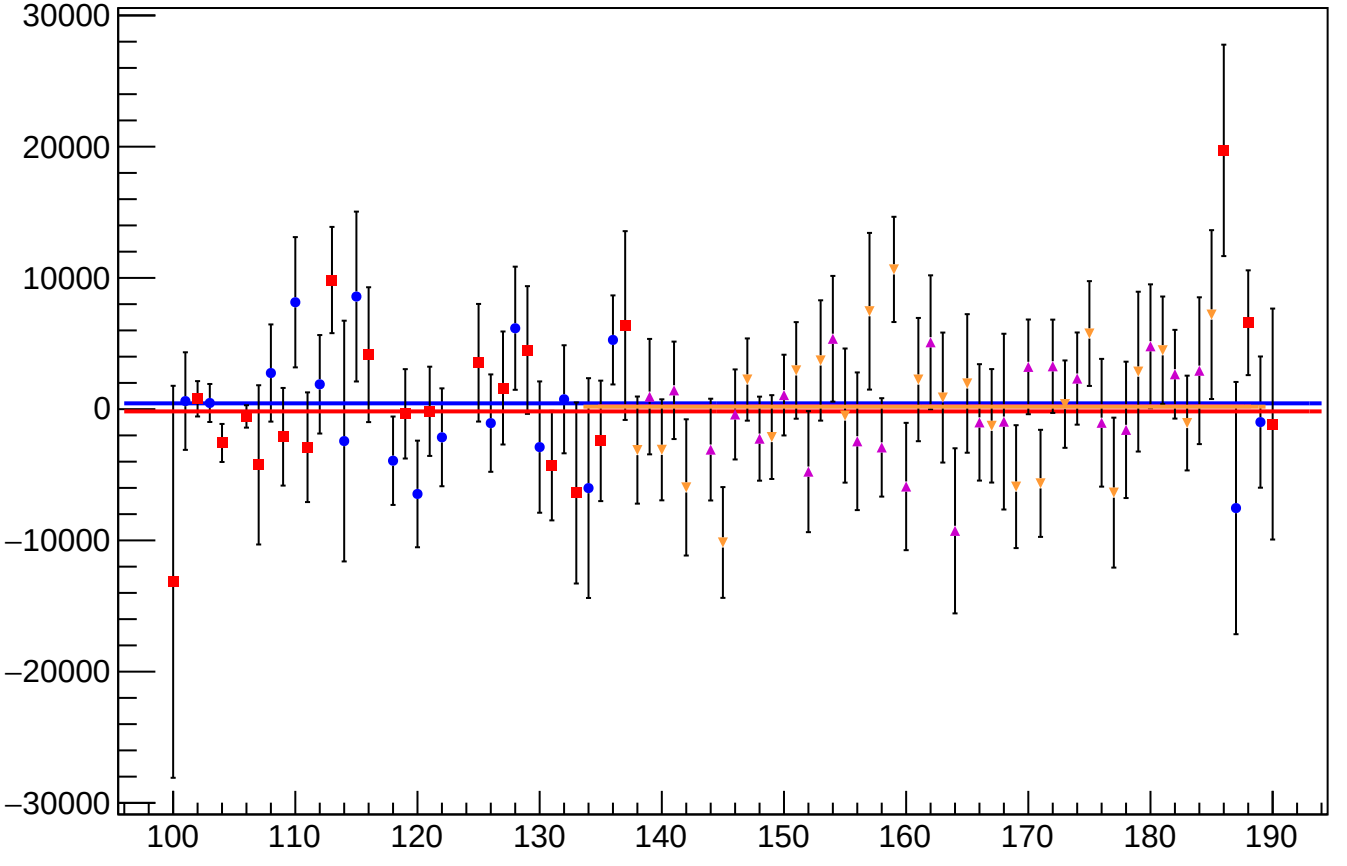
Right: 1167.235+/-0.205 χ^2/NDF: 972759.9/38

In: 1155.996+/-0.161 χ^2/NDF:703633.2/40

Out: 1162.959+/-0.158 χ^2/NDF:420997.2/44

All: 1159.532+/-0.113 χ^2/NDF: 1125585.7/85

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 442.838+/-857.627 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -170.562+/-557.790 χ^2/NDF: 25.8/20

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

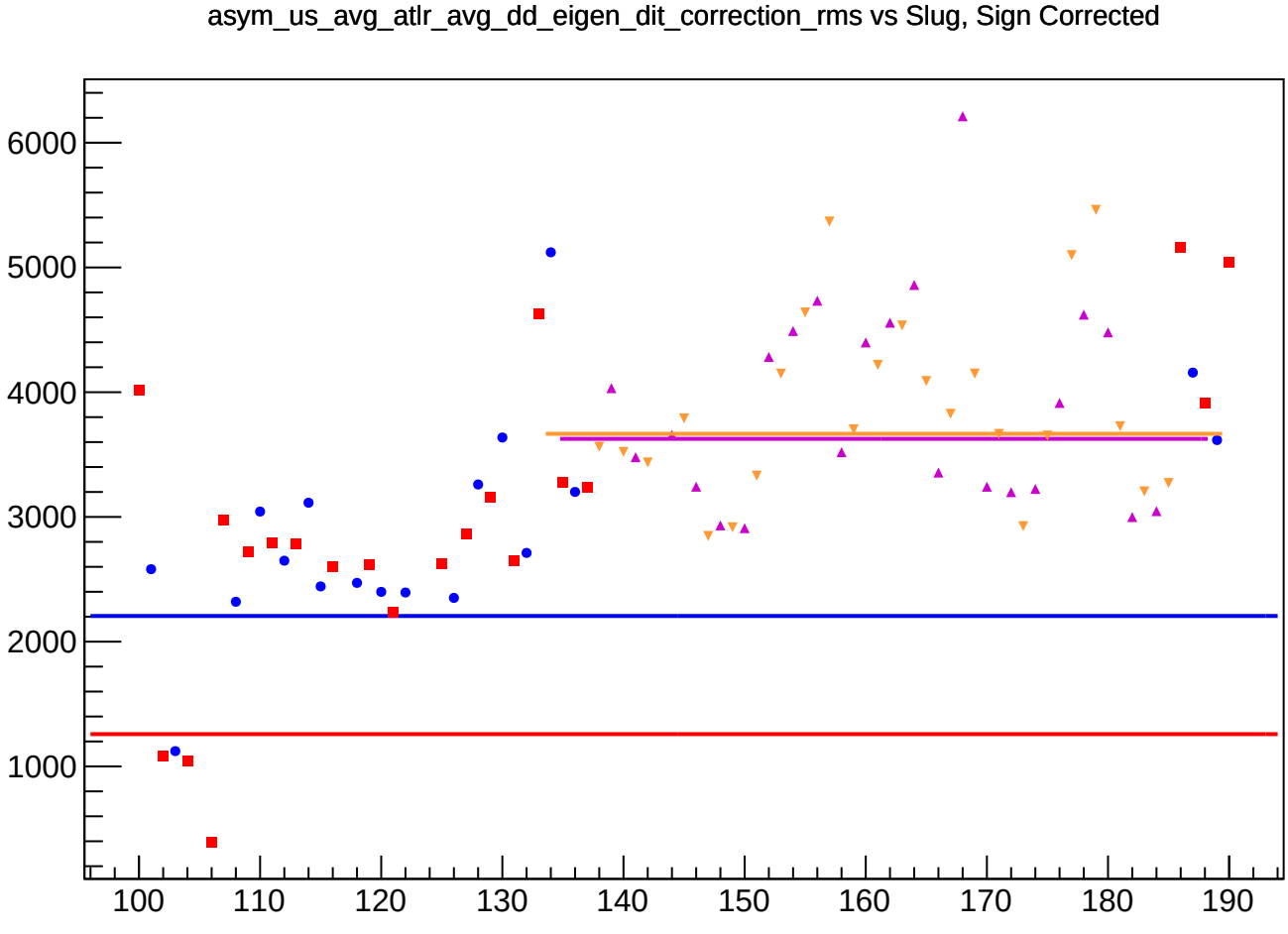
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 11.779+/-467.593 χ^2/NDF: 41.3/38

In: 333.020+/-608.946 χ^2/NDF:28.6/40

Out: -65.506+/-469.479 χ^2/NDF:55.2/44

All: 83.066+/-371.808 χ^2/NDF: 84.1/85



Right In: 2205.879+/-0.606 χ^2/NDF: 2225562.5/17

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1258.741+/-0.394 χ^2/NDF: 7588295.2/20

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

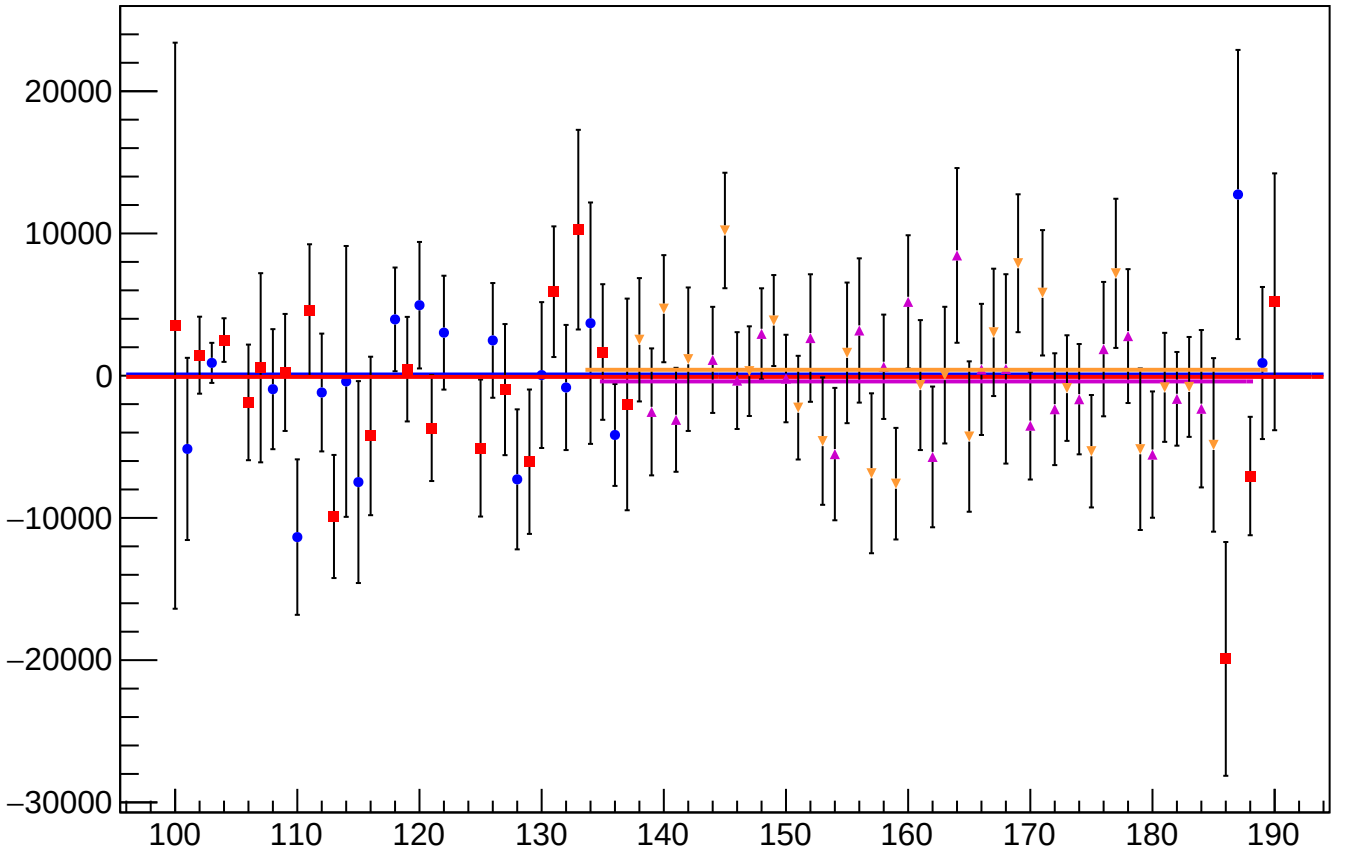
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1540.289+/-0.331 χ^2/NDF: 11528026.7/38

In: 2910.018+/-0.431 χ^2/NDF:6202434.1/40

Out: 1960.810+/-0.332 χ^2/NDF:19550589.1/44

All: 2314.677+/-0.263 χ^2/NDF: 28800913.6/8



Right In: 82.921+/-903.786 χ^2/NDF: 15.3/17

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -83.945+/-867.652 χ^2/NDF: 26.6/20

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

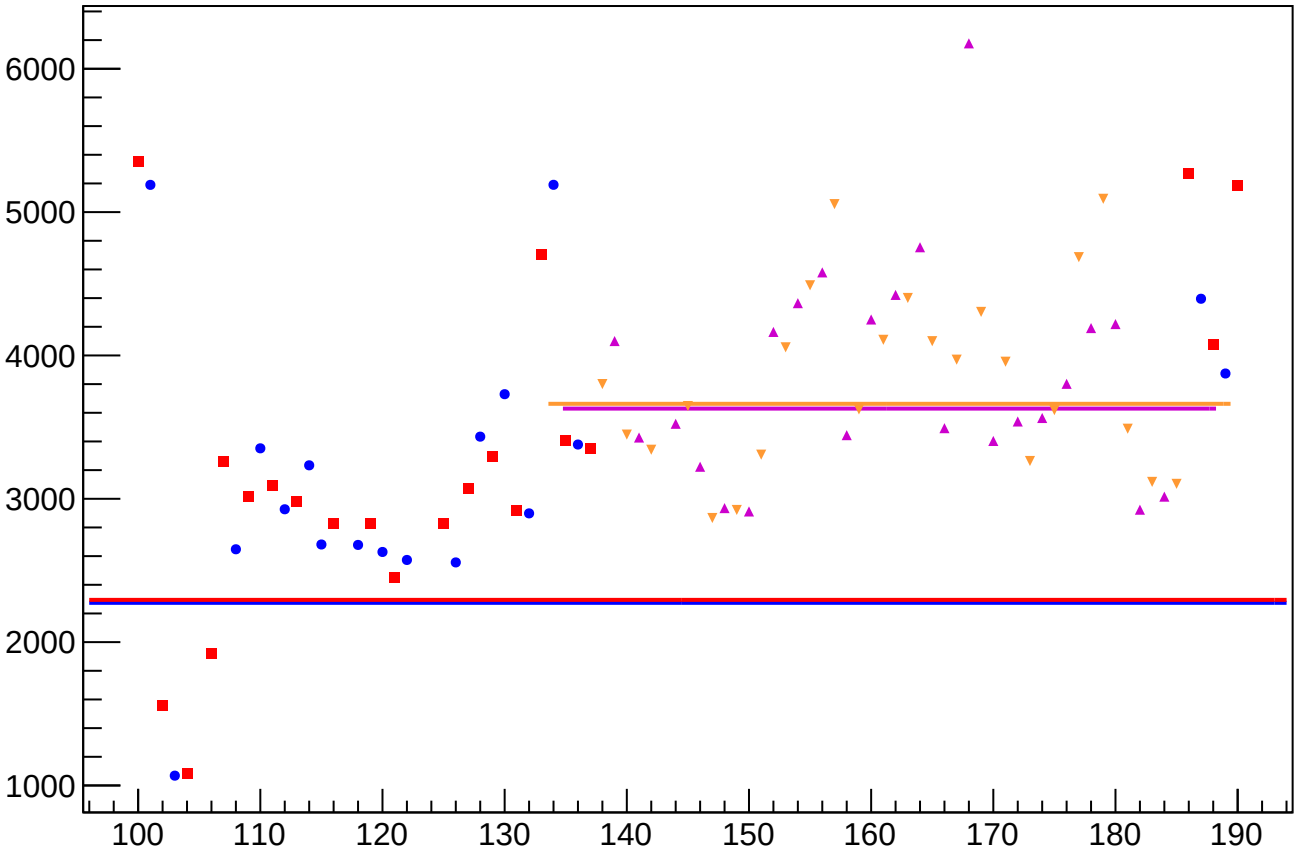
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -3.915+/-625.907 χ^2/NDF: 42.0/38

In: -171.693+/-623.941 χ^2/NDF:27.8/40

Out: 165.440+/-612.700 χ^2/NDF:54.0/44

All: -0.062+/-437.165 χ^2/NDF: 81.9/85



Right In: 2274.199+/-0.639 χ^2/NDF: 3112976.4/17

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2294.822+/-0.612 χ^2/NDF: 3156036.4/20

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

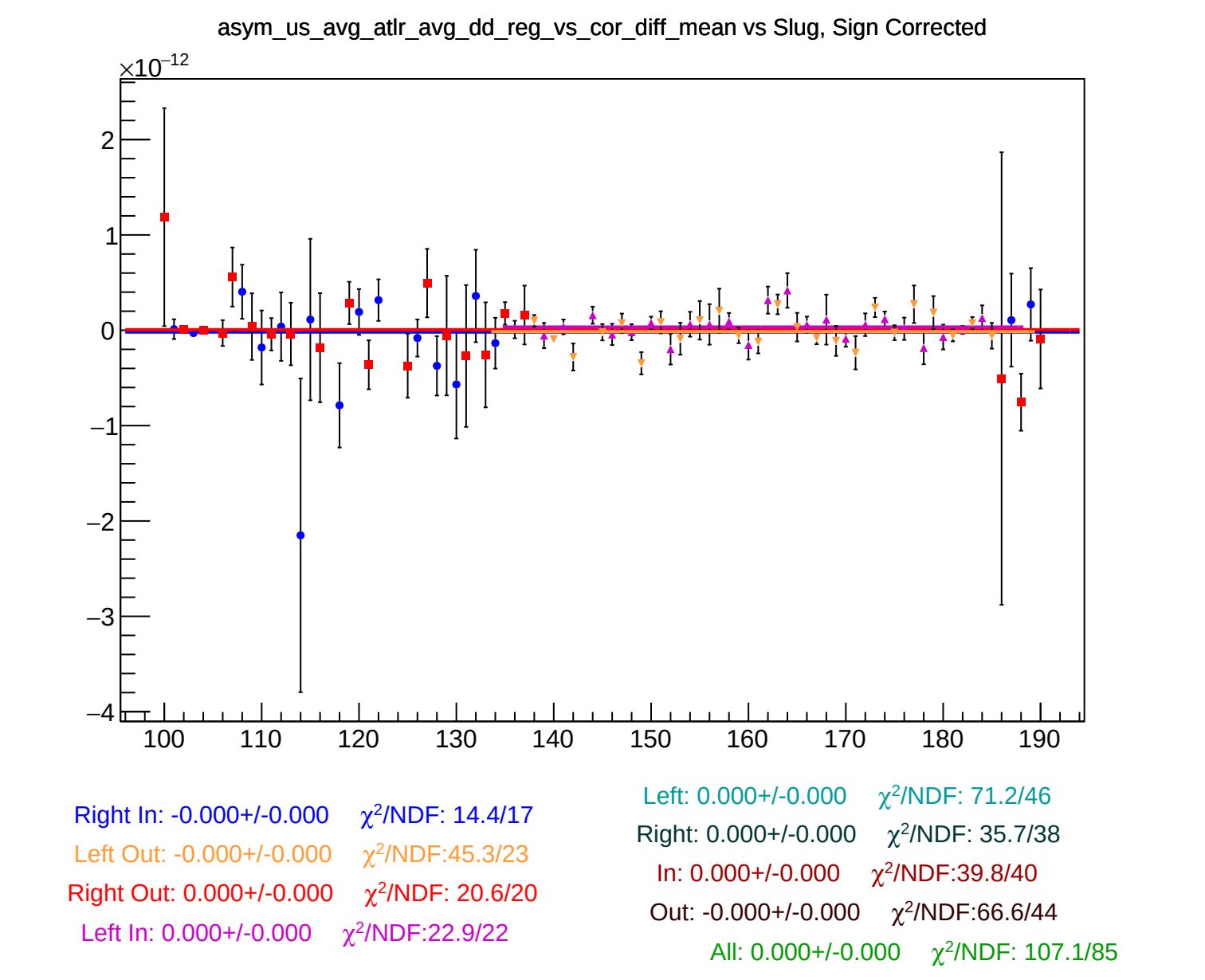
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

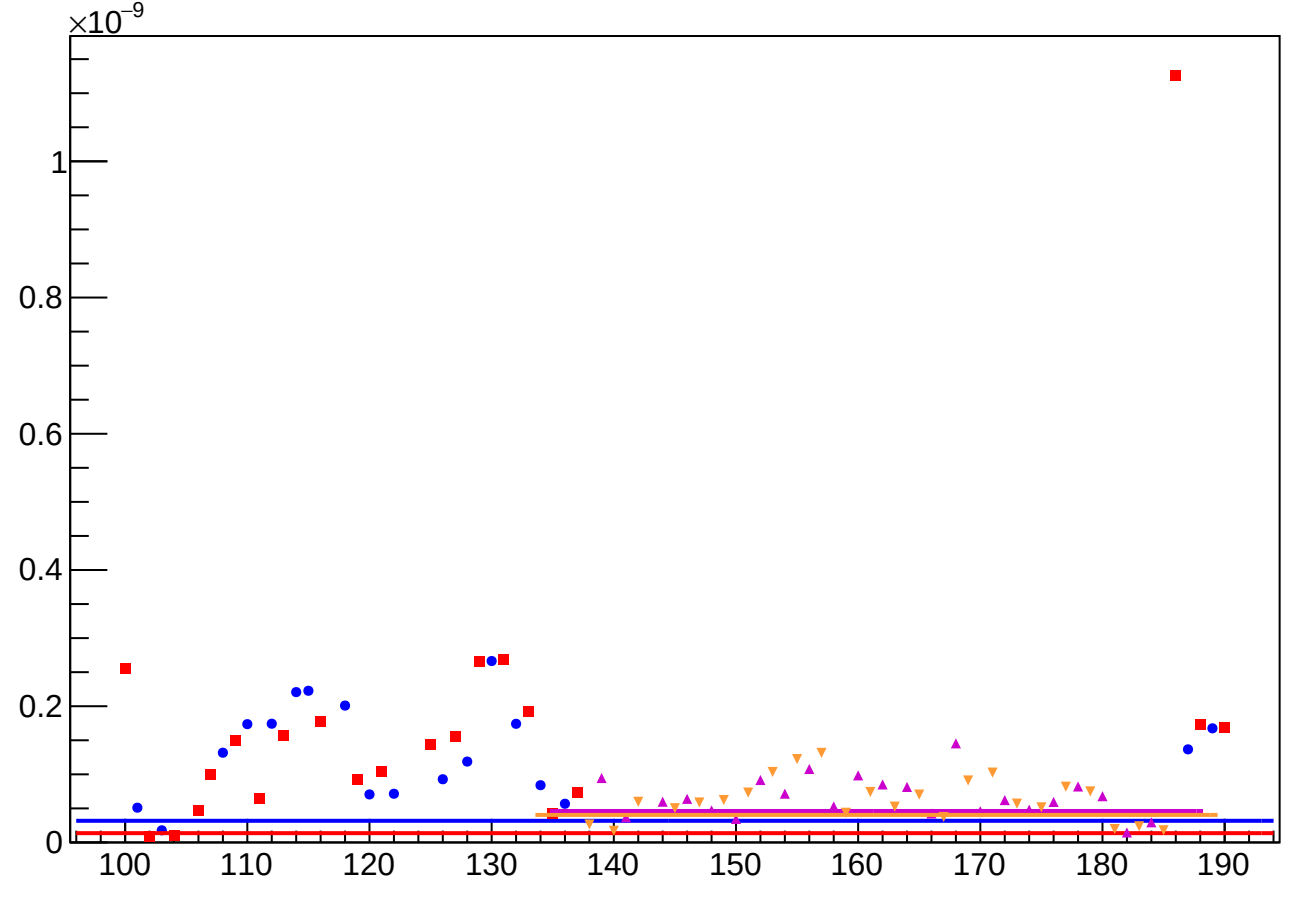
Right: 2284.954+/-0.442 χ^2/NDF: 6269555.9/38

In: 2983.393+/-0.441 χ^2/NDF:6520813.5/40

Out: 2979.040+/-0.433 χ^2/NDF:6547067.3/44

All: 2981.174+/-0.309 χ^2/NDF: 13067930.4/8


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.4/17
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/20
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 35.7/38
In: 0.000+/-0.000 χ²/NDF:39.8/40
Out: -0.000+/-0.000 χ²/NDF:66.6/44
All: 0.000+/-0.000 χ²/NDF: 107.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 3348146.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4845132.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

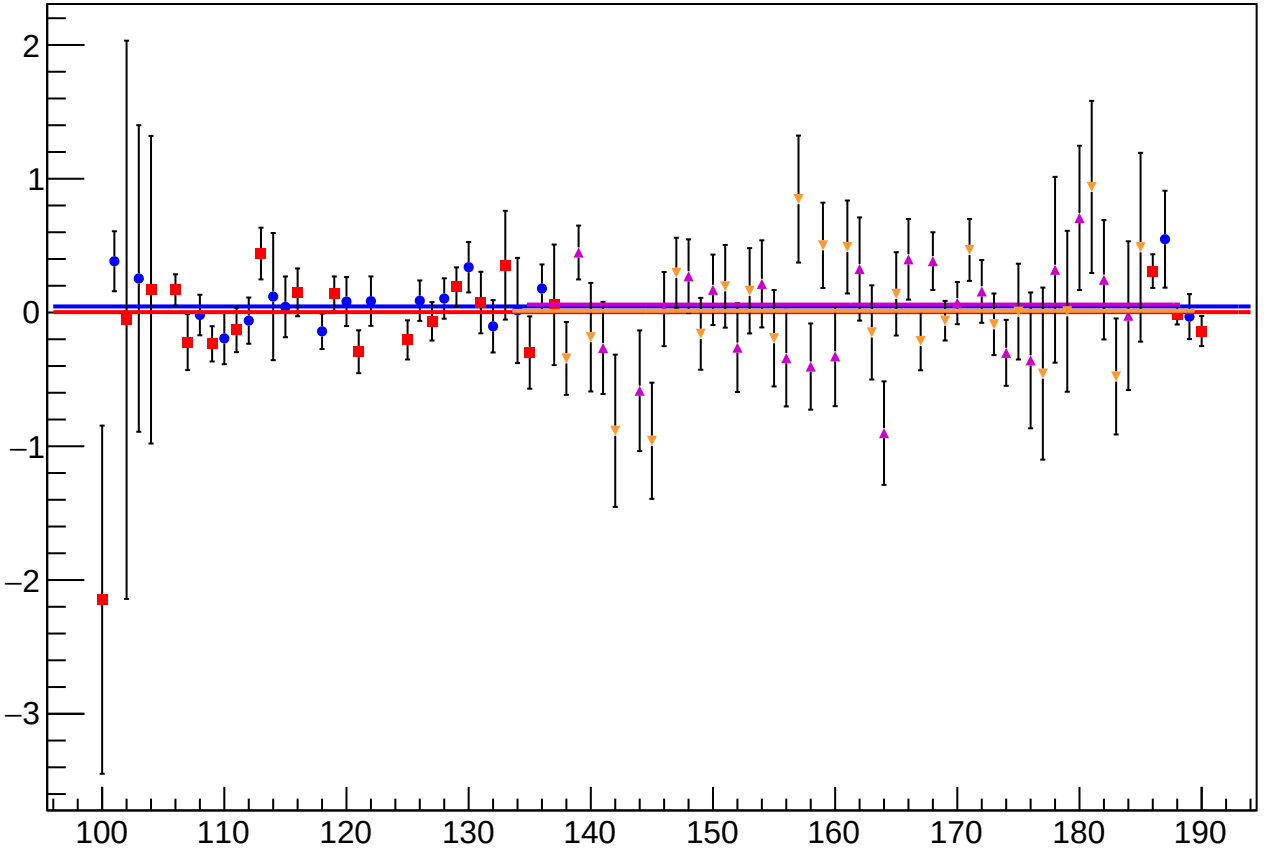
Right: 0.000+/-0.000 χ^2/NDF: 8952549.8/38

In: 0.000+/-0.000 χ^2/NDF:6696772.8/40

Out: 0.000+/-0.000 χ^2/NDF:10802072.7/44

All: 0.000+/-0.000 χ^2/NDF: 18921836.0/85

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

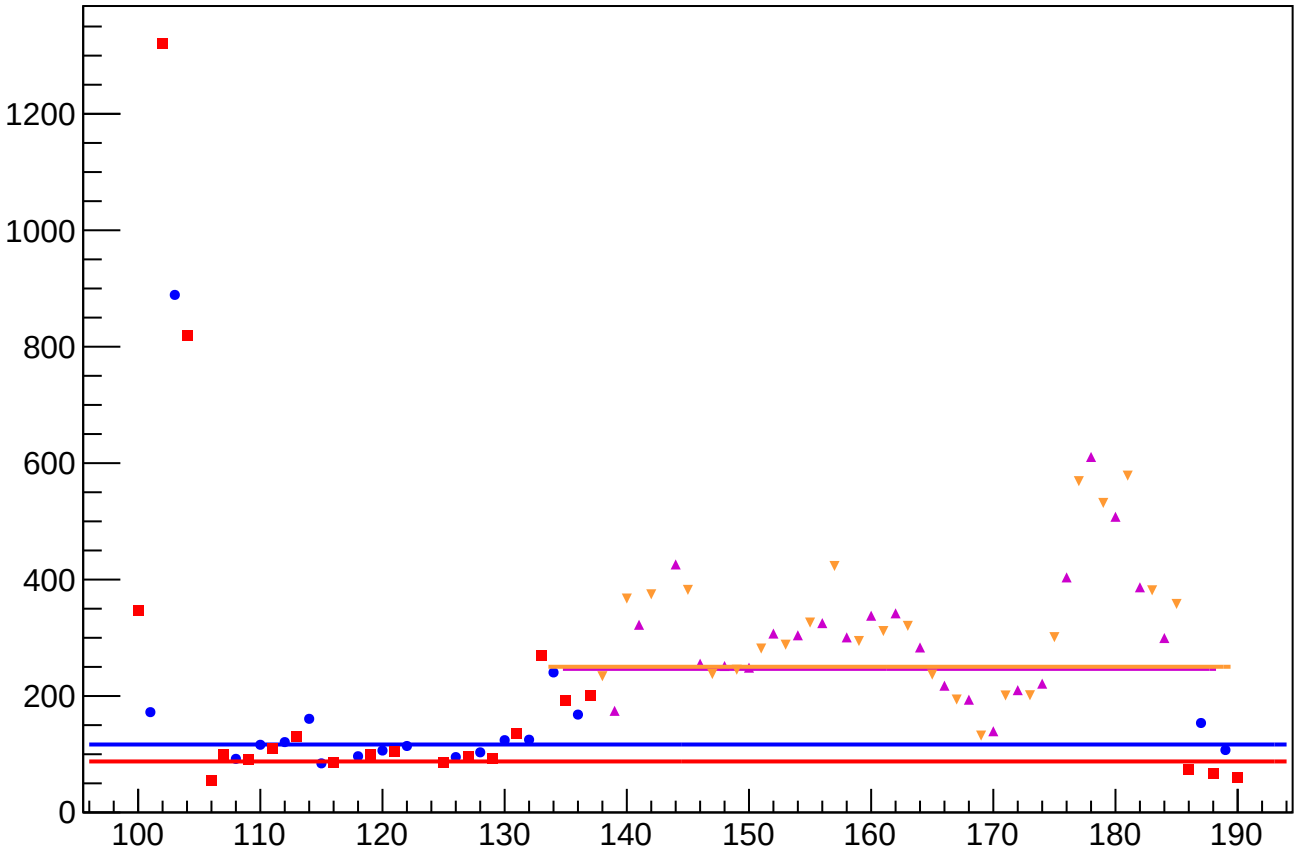
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.018+/-0.027 χ^2/NDF: 46.6/38

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.023+/-0.023 χ^2/NDF: 104.3/85



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

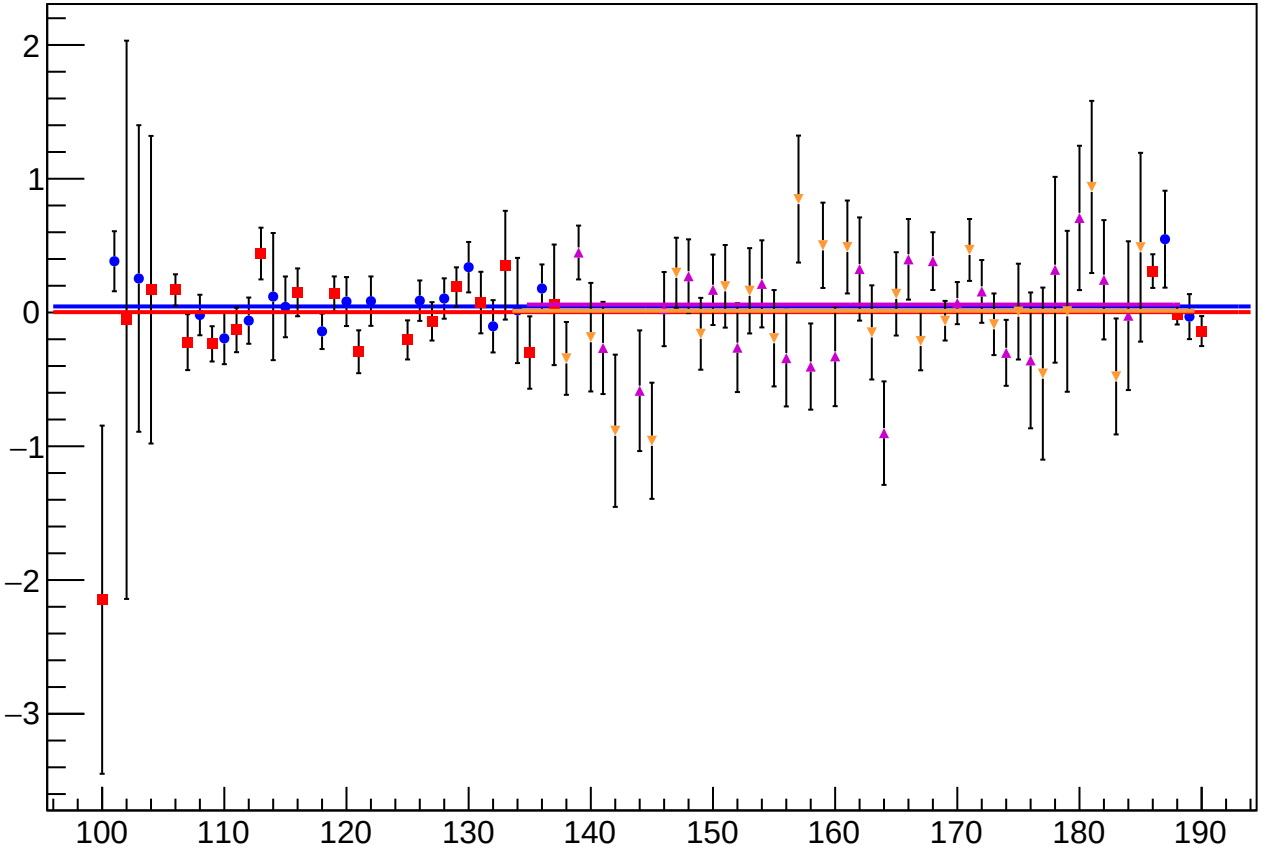
Right: 98.136+/-0.019 χ^2/NDF: 5319845.1/38

In: 161.956+/-0.026 χ^2/NDF:11142308.4/40

Out: 124.477+/-0.021 χ^2/NDF:17803136.1/44

All: 139.542+/-0.016 χ^2/NDF: 30200182.3/85

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

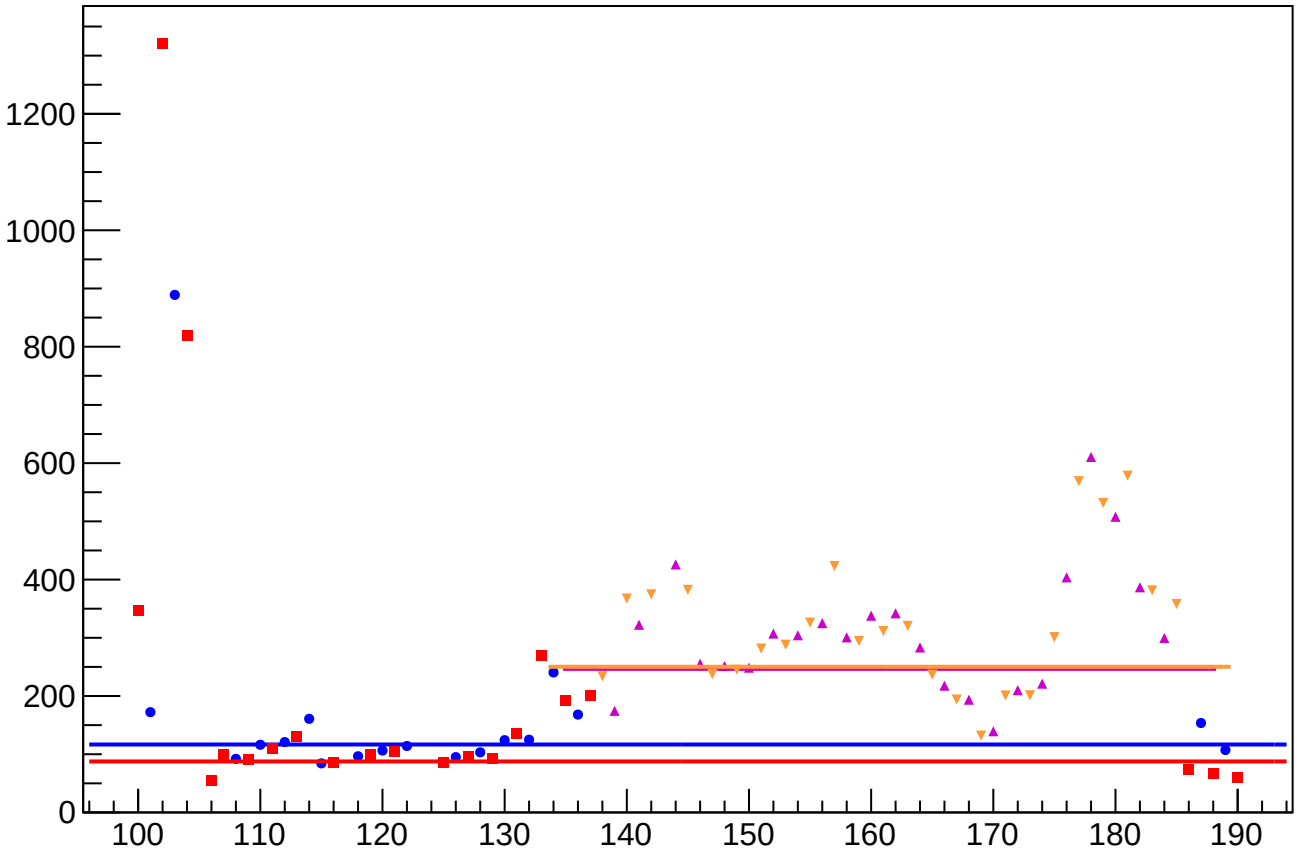
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.018+/-0.027 χ^2/NDF: 46.6/38

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.023+/-0.023 χ^2/NDF: 104.3/85



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

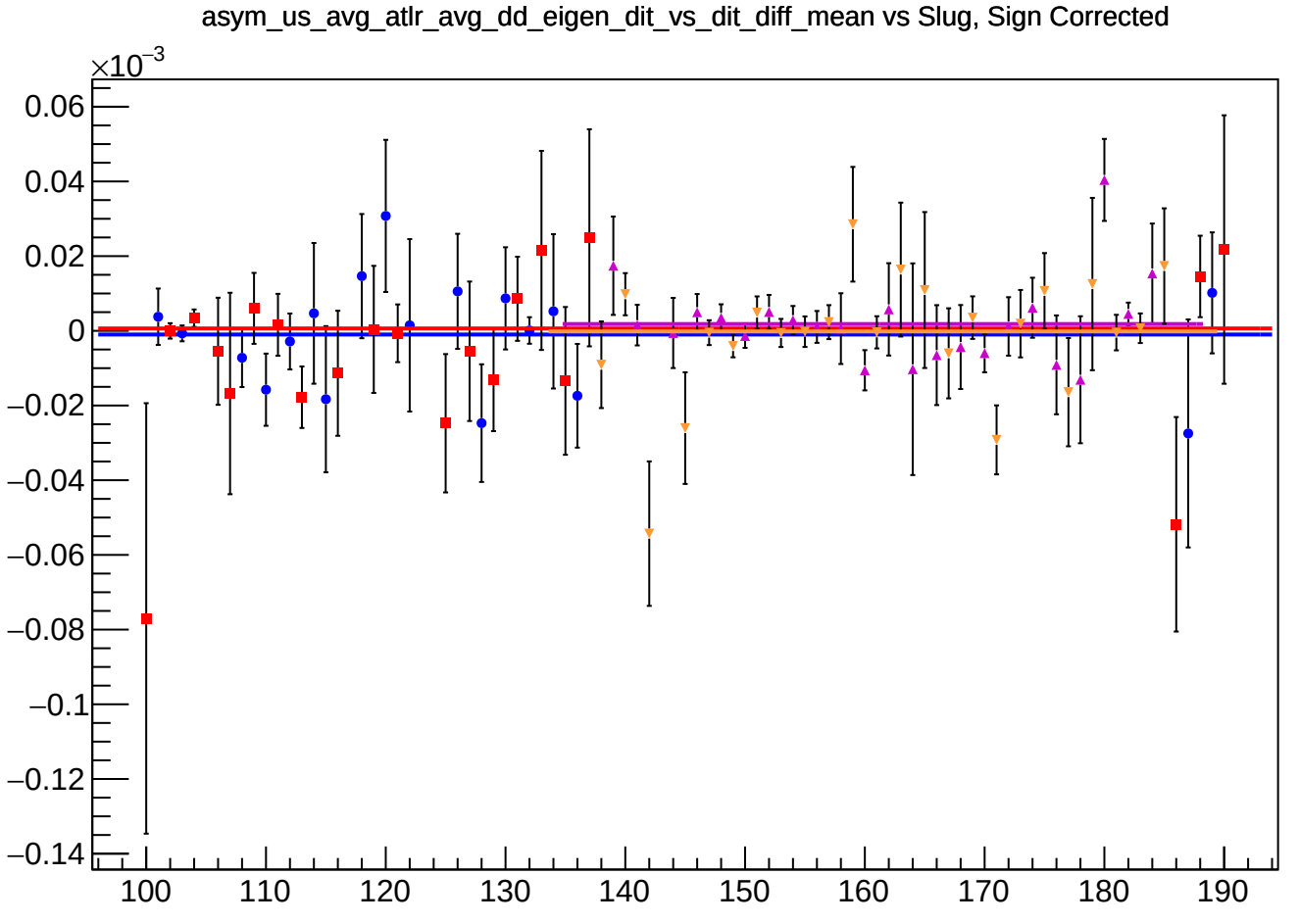
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 98.136+/-0.019 χ^2/NDF: 5319845.1/38

In: 161.956+/-0.026 χ^2/NDF:11142308.4/40

Out: 124.477+/-0.021 χ^2/NDF:17803136.1/44

All: 139.542+/-0.016 χ^2/NDF: 30200182.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

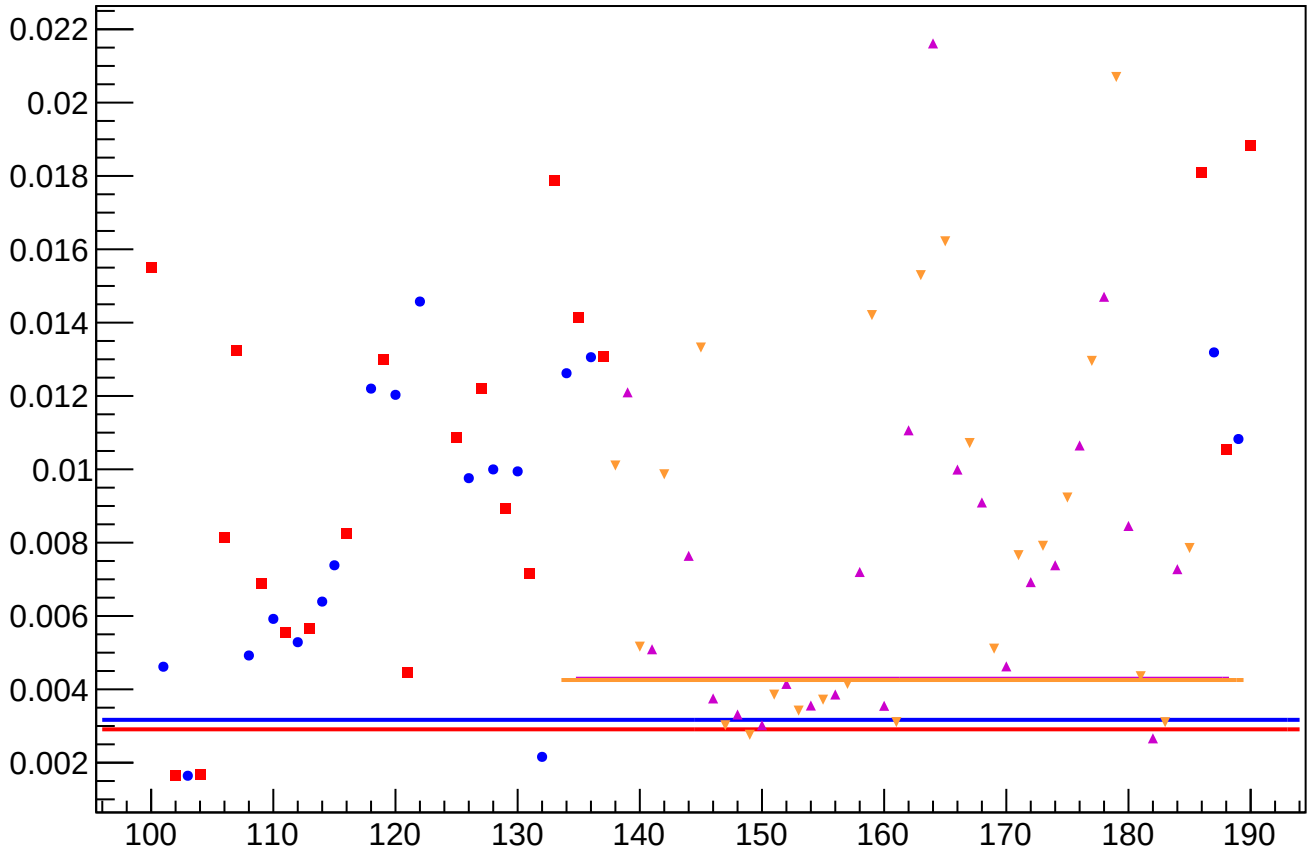
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: -0.000+/-0.000 χ^2/NDF: 34.8/38

In: 0.000+/-0.000 χ^2/NDF:44.0/40

Out: 0.000+/-0.000 χ^2/NDF:57.7/44

All: 0.000+/-0.000 χ^2/NDF: 102.0/85



Right In: 0.003+/-0.000 χ^2/NDF: 6634700.8/17

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8678196.2/20

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

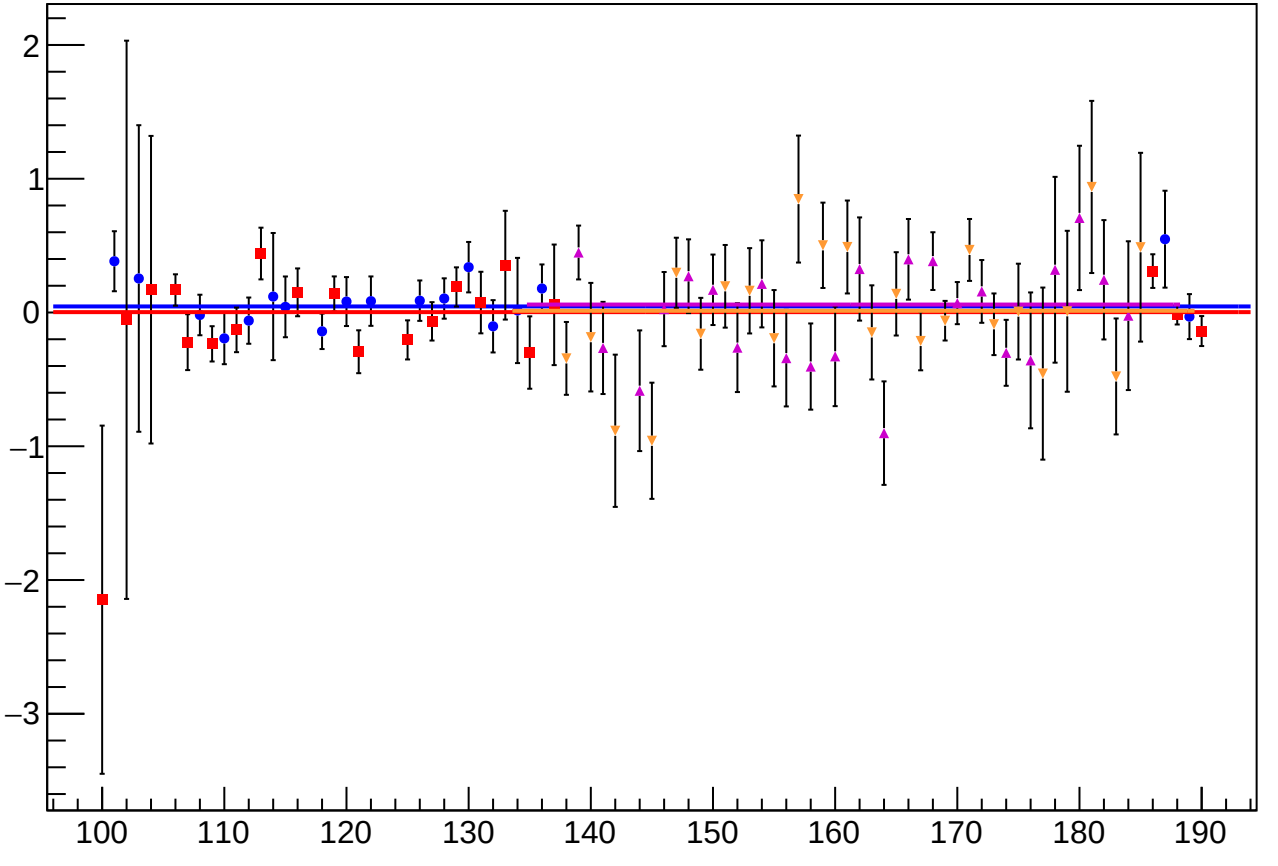
Right: 0.003+/-0.000 χ^2/NDF: 15343530.3/38

In: 0.004+/-0.000 χ^2/NDF:13881130.3/40

Out: 0.004+/-0.000 χ^2/NDF:18274471.9/44

All: 0.004+/-0.000 χ^2/NDF: 32197543.0/85

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

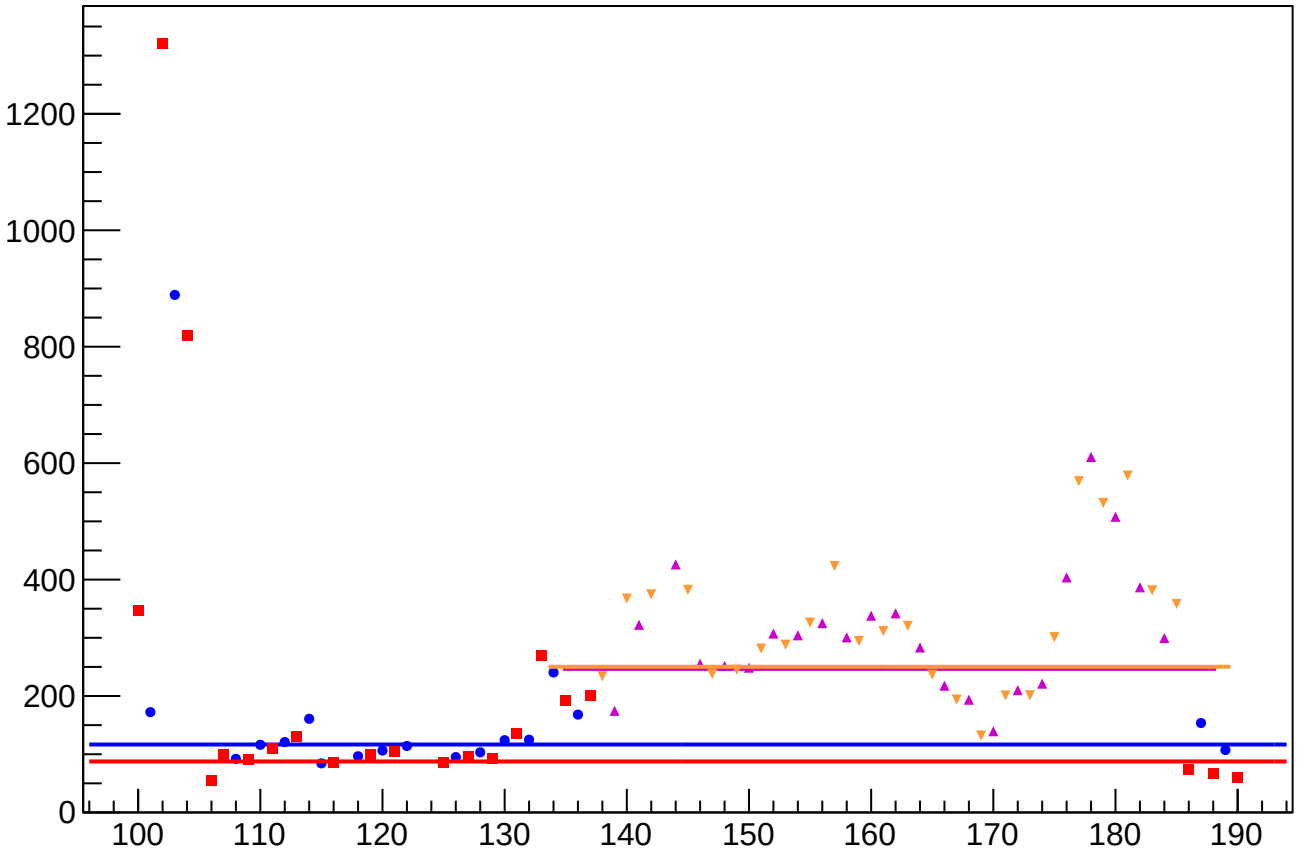
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.018+/-0.027 χ^2/NDF: 46.6/38

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.023+/-0.023 χ^2/NDF: 104.3/85



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

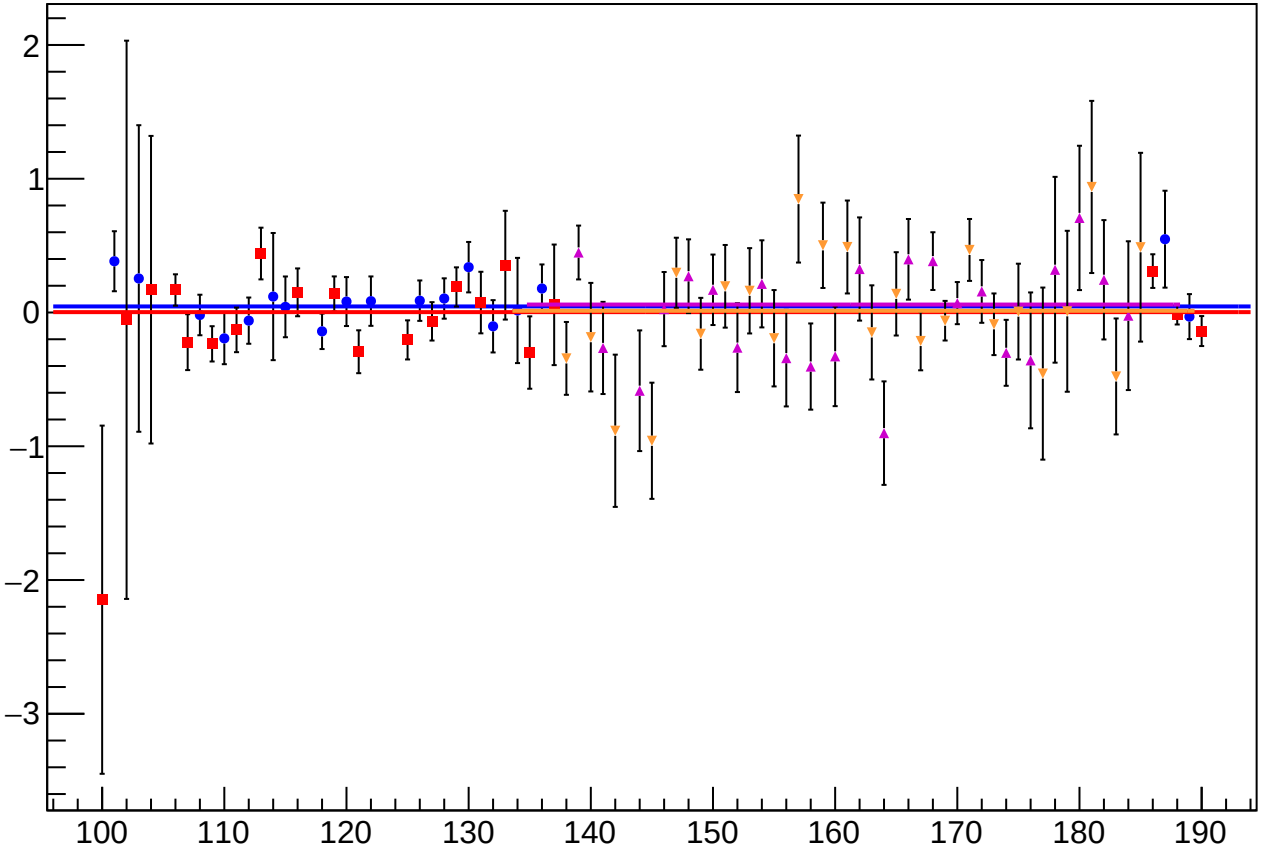
Right: 98.132+/-0.019 χ^2/NDF: 5320284.0/38

In: 161.955+/-0.026 χ^2/NDF:11142548.3/40

Out: 124.471+/-0.021 χ^2/NDF:17804296.7/44

All: 139.538+/-0.016 χ^2/NDF: 30201951.9/85

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

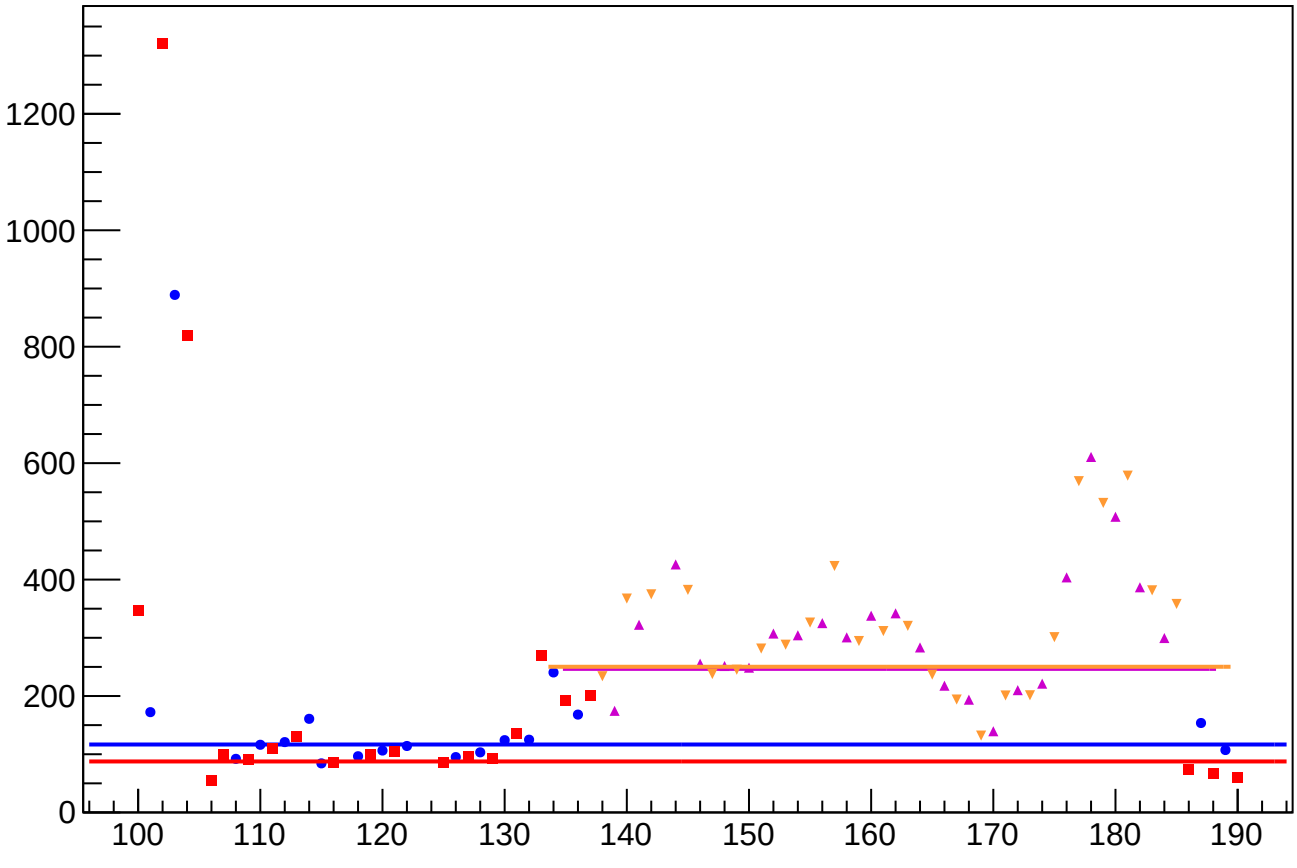
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.018+/-0.027 χ^2/NDF: 46.6/38

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.023+/-0.023 χ^2/NDF: 104.3/85



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

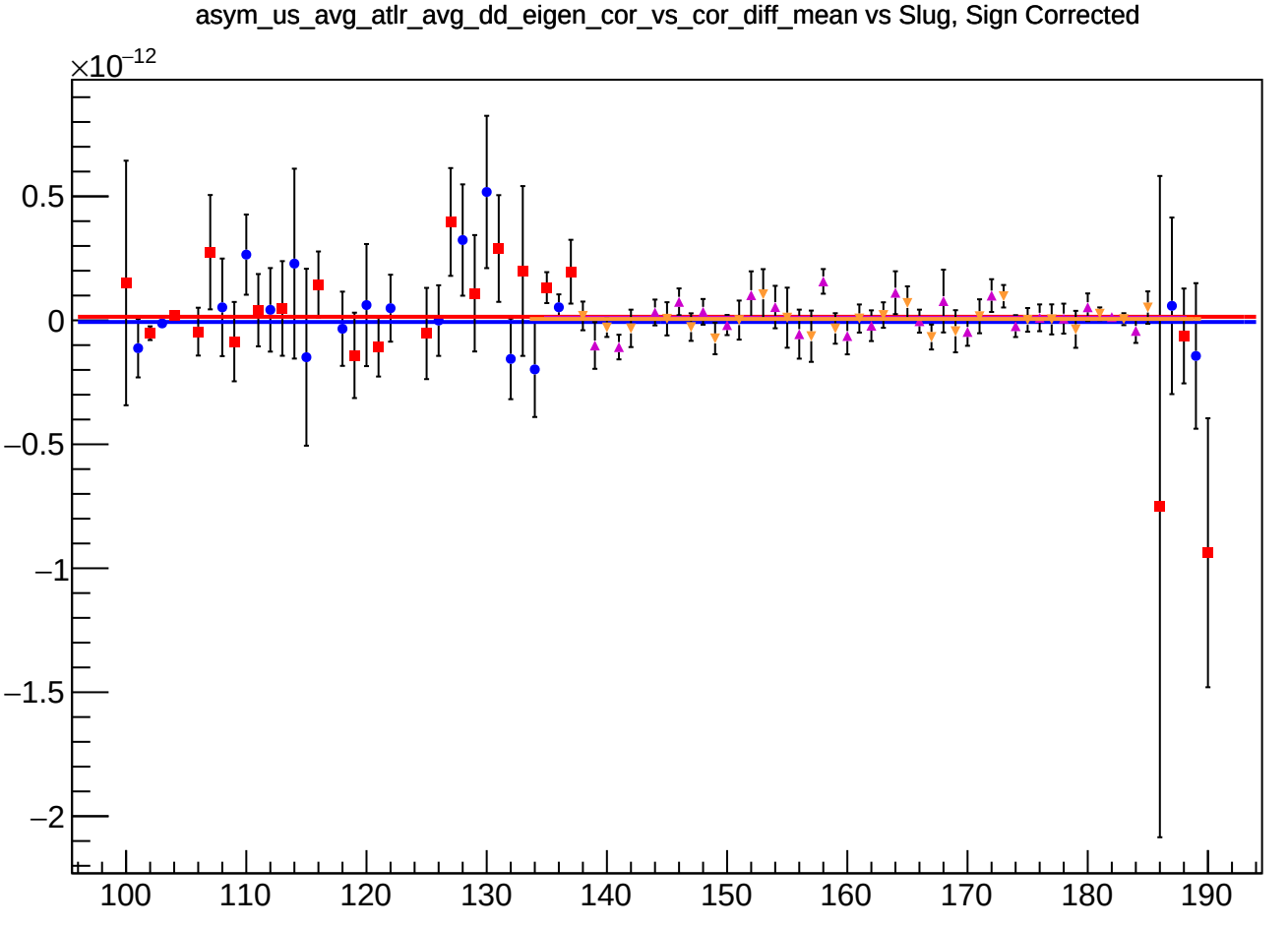
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 98.132+/-0.019 χ^2/NDF: 5320284.0/38

In: 161.955+/-0.026 χ^2/NDF:11142548.3/40

Out: 124.471+/-0.021 χ^2/NDF:17804296.7/44

All: 139.538+/-0.016 χ^2/NDF: 30201951.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/20

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

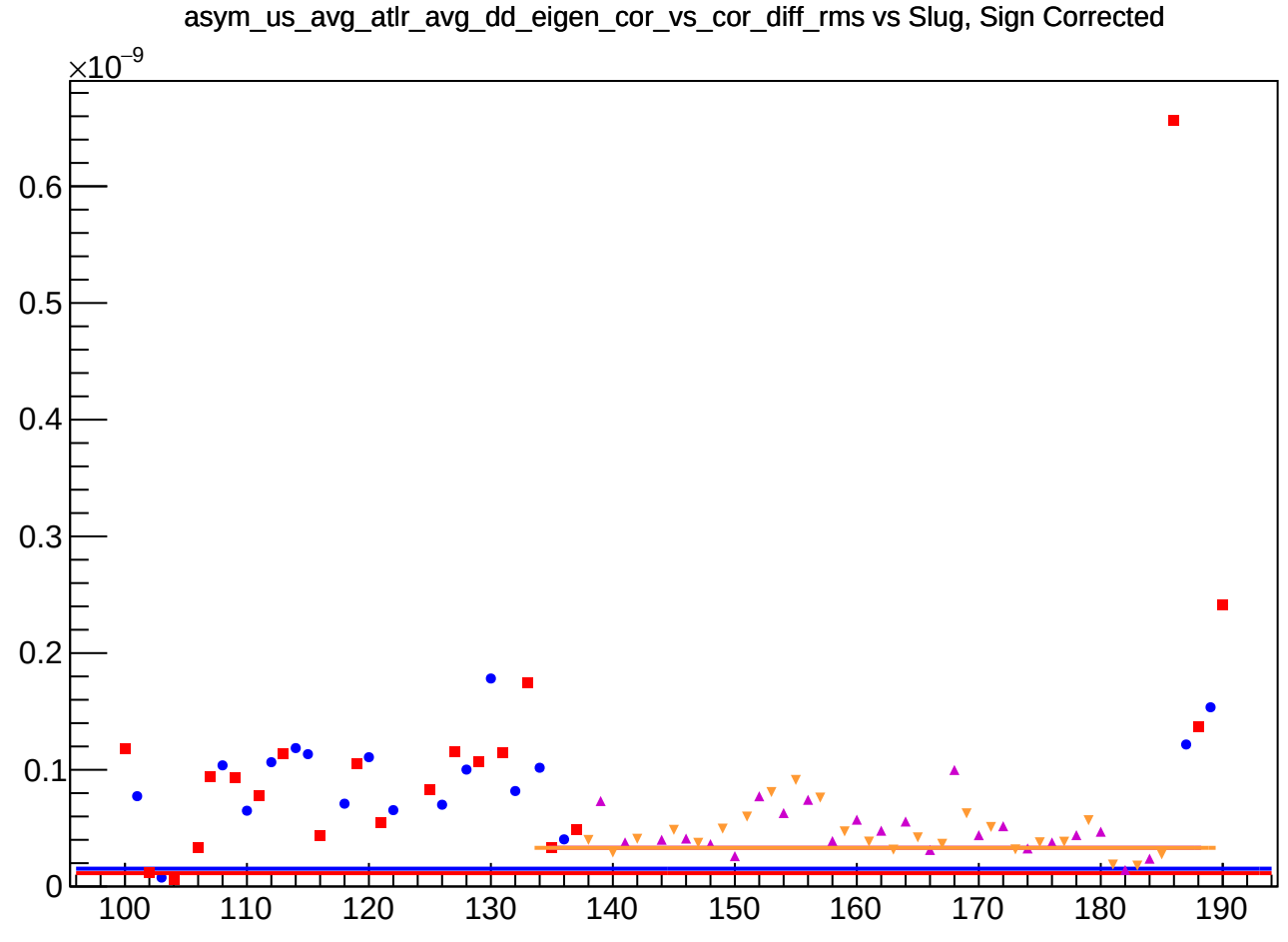
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

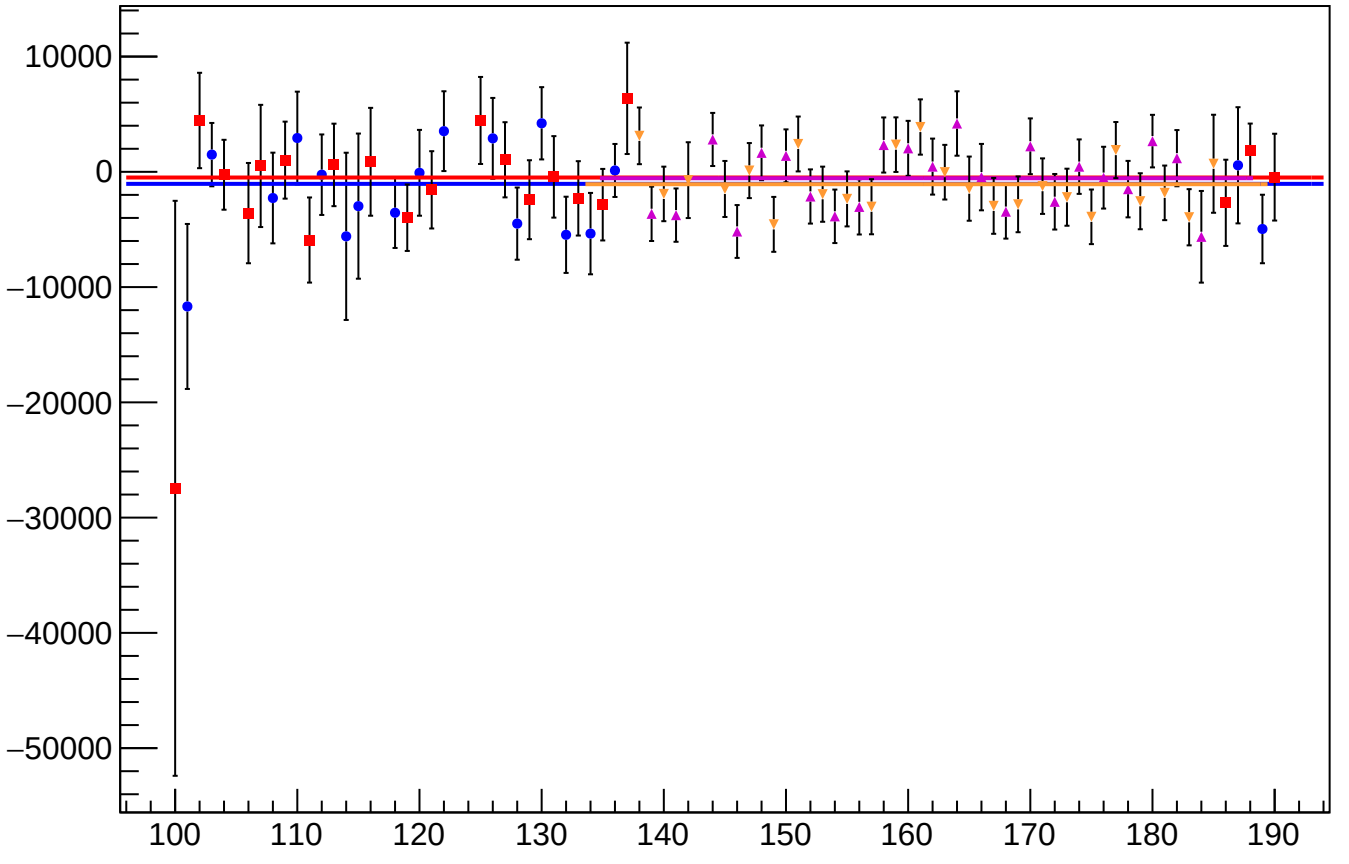
Right: 0.000+/-0.000 χ^2/NDF: 40.5/38

In: 0.000+/-0.000 χ^2/NDF:42.3/40

Out: 0.000+/-0.000 χ^2/NDF:39.7/44

All: 0.000+/-0.000 χ^2/NDF: 82.4/85


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6517381.2/17
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 7558668.7/20
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 14192703.0/38
In: 0.000+/-0.000 χ²/NDF:13964549.0/40
Out: 0.000+/-0.000 χ²/NDF:16142275.7/44
All: 0.000+/-0.000 χ²/NDF: 30401011.1/85



Right In: -1043.624+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -492.968+/-778.191 χ^2/NDF: 13.8/20

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

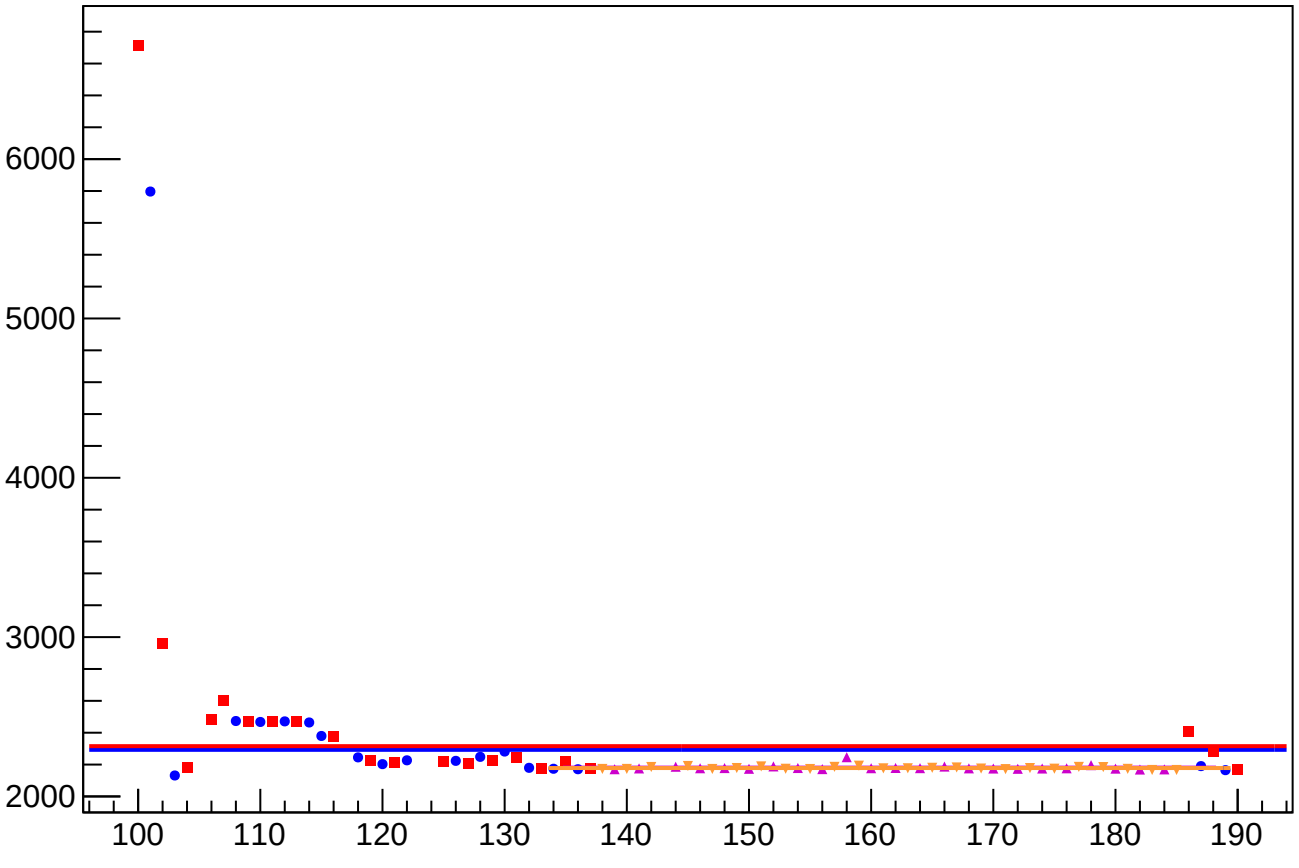
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -751.908+/-566.404 χ^2/NDF: 31.8/38

In: -691.053+/-433.457 χ^2/NDF:46.8/40

Out: -900.766+/-423.934 χ^2/NDF:35.7/44

All: -798.238+/-303.077 χ^2/NDF: 82.6/85



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.1/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2315.562+/-0.550 χ^2/NDF: 156543.1/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

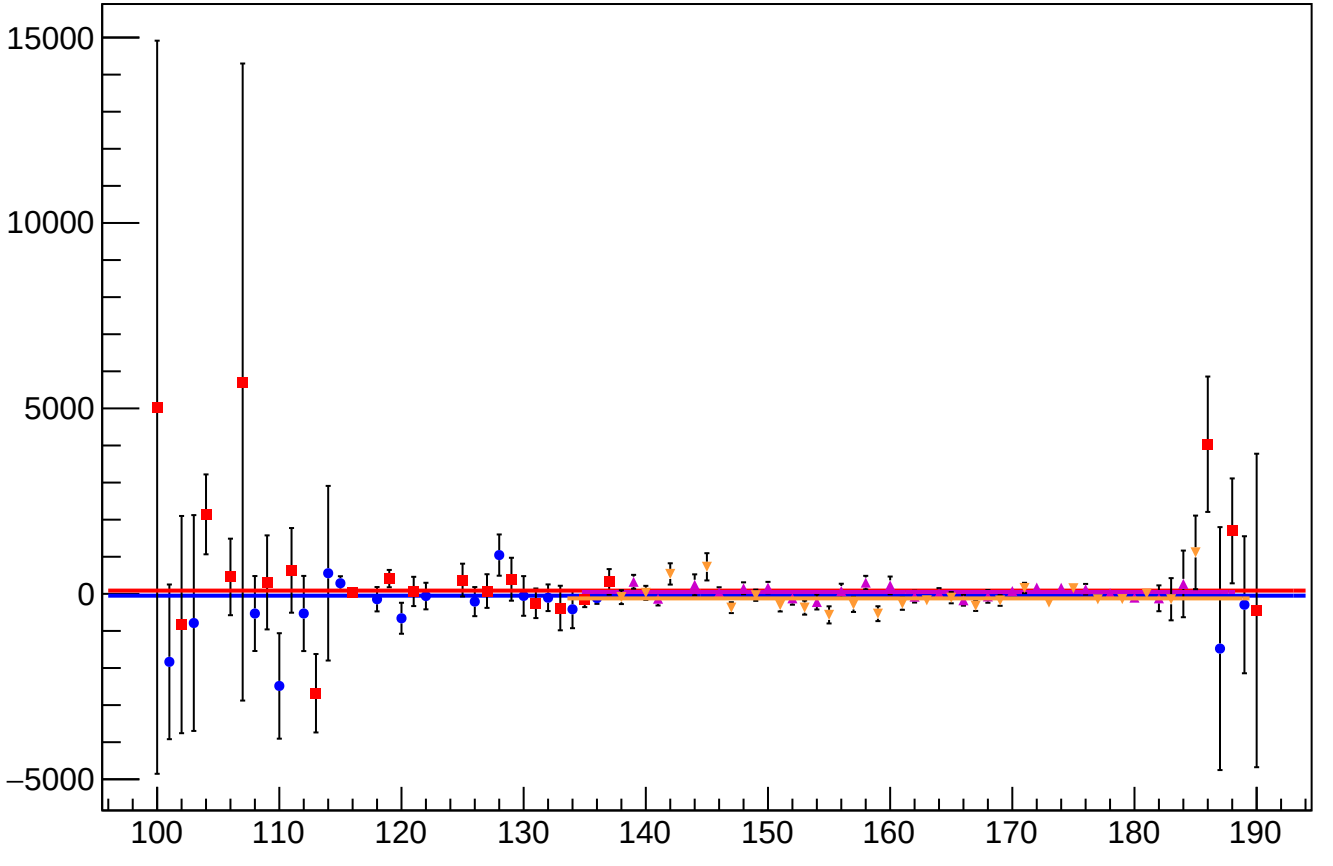
Right: 2304.753+/-0.401 χ^2/NDF: 676543.8/38

In: 2211.669+/-0.307 χ^2/NDF:547529.3/40

Out: 2218.997+/-0.300 χ^2/NDF:200725.7/44

All: 2215.414+/-0.214 χ^2/NDF: 748547.1/85

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -49.618+/-90.769 χ^2/NDF: 14.6/17

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.501+/-82.145 χ^2/NDF: 23.6/20

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

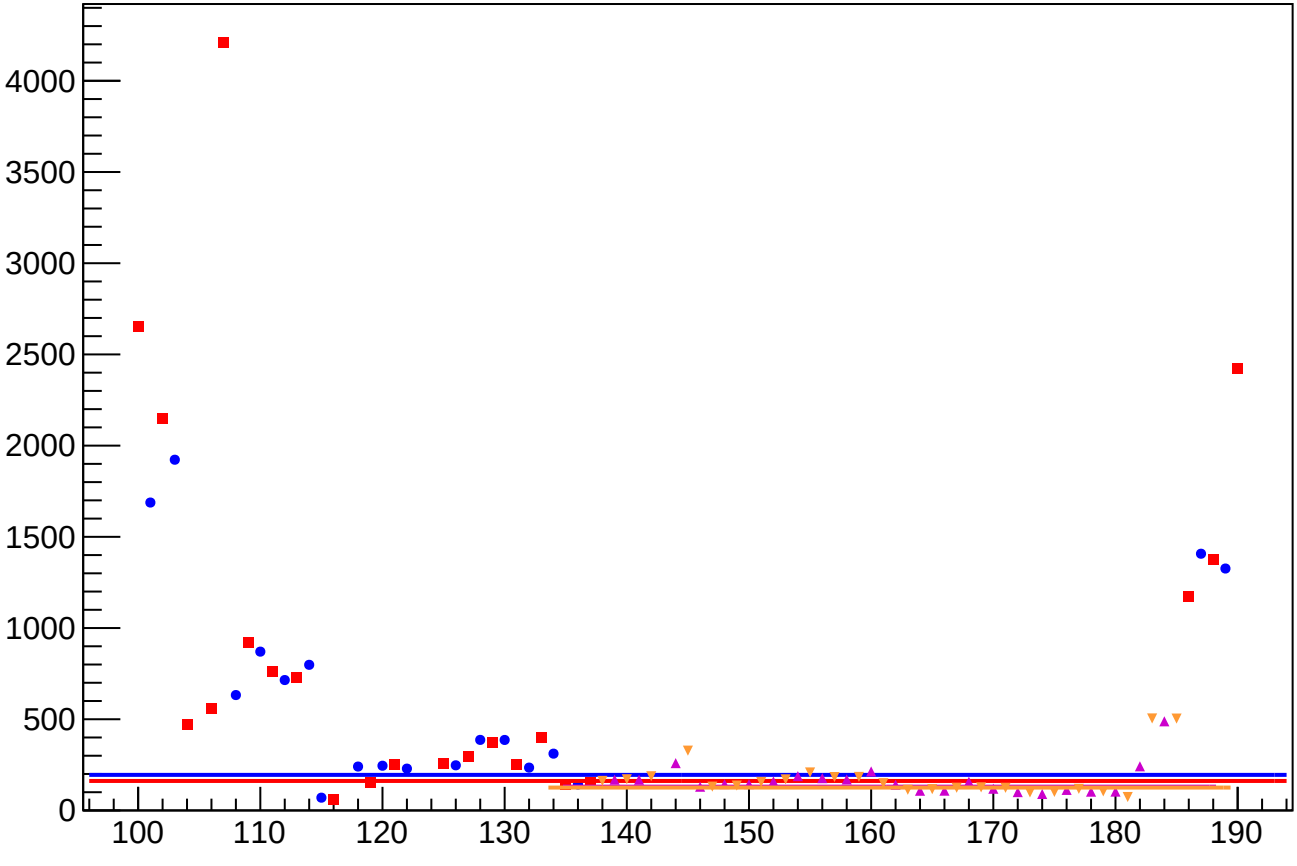
Right: 25.763+/-60.907 χ^2/NDF: 39.5/38

In: 38.933+/-30.635 χ^2/NDF:33.9/40

Out: -96.158+/-29.337 χ^2/NDF:73.2/44

All: -31.536+/-21.188 χ^2/NDF: 117.2/85

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 195.054+/-0.064 χ^2/NDF: 6091818.8/17

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 161.715+/-0.058 χ^2/NDF: 8828449.1/20

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

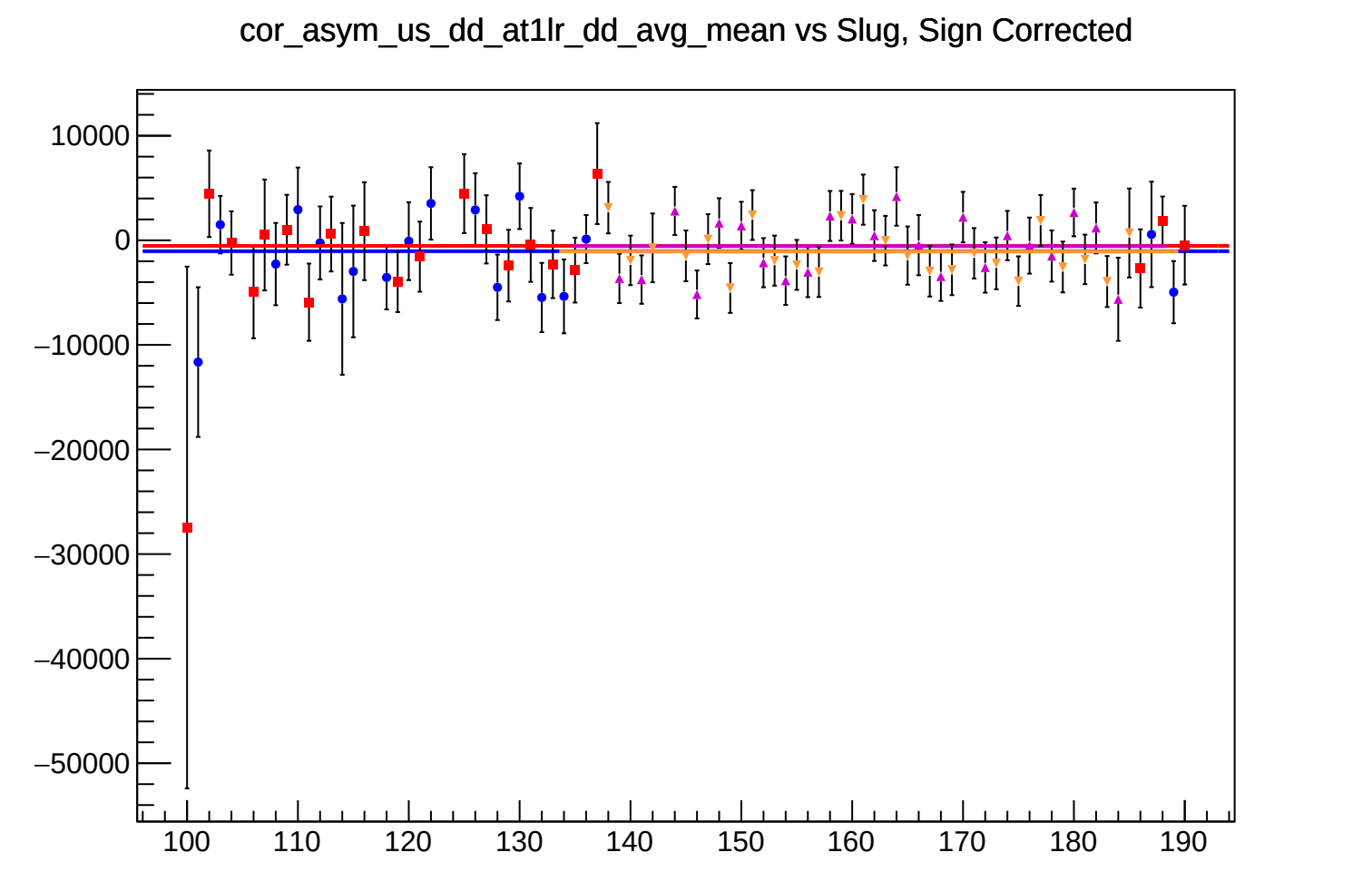
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 176.726+/-0.043 χ^2/NDF: 15068596.9/38

In: 137.797+/-0.022 χ^2/NDF:9669622.5/40

Out: 130.124+/-0.021 χ^2/NDF:13110216.4/44

All: 133.795+/-0.015 χ^2/NDF: 22845276.1/85



Right In: -1042.743+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -530.400+/-778.708 χ^2/NDF: 14.3/20

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

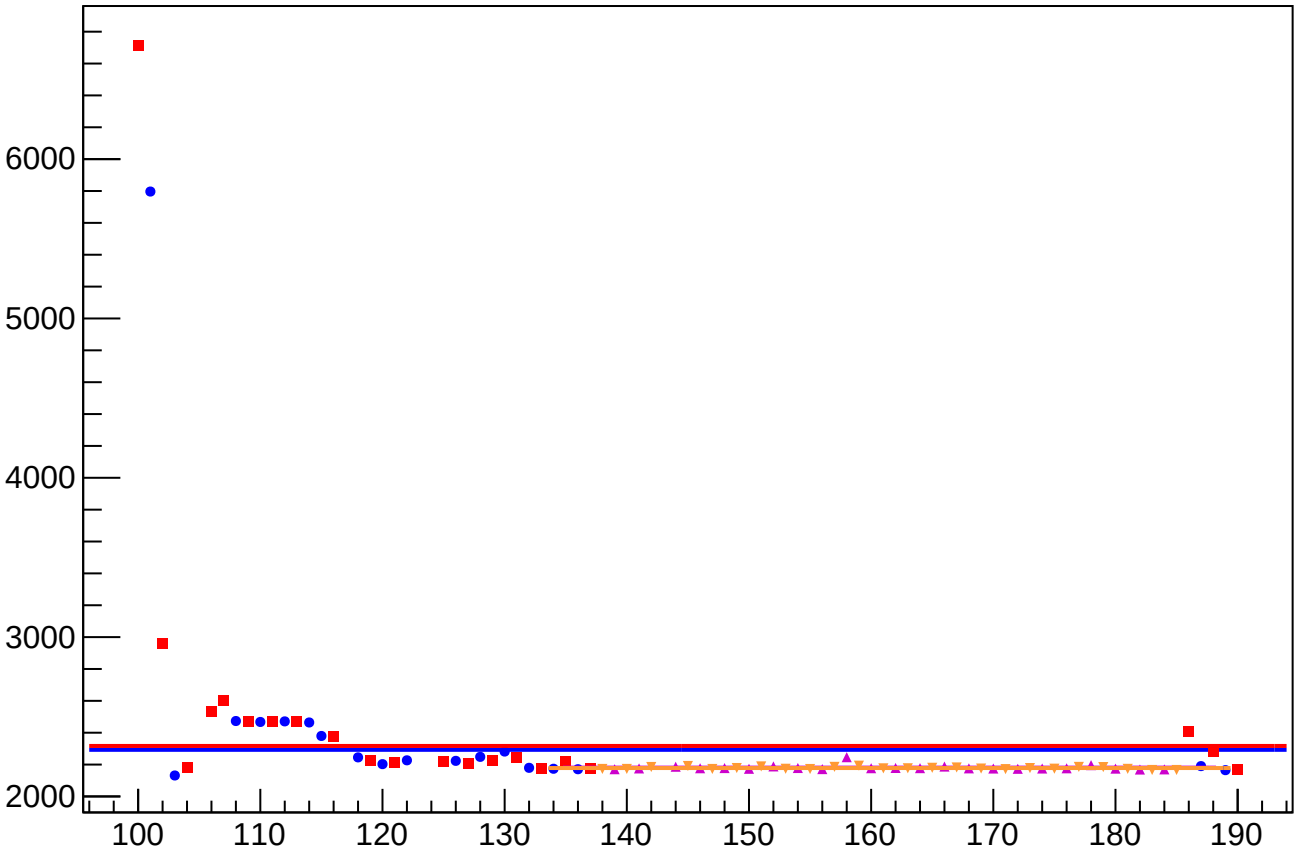
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -771.493+/-566.603 χ^2/NDF: 32.3/38

In: -690.829+/-433.457 χ^2/NDF:46.8/40

Out: -911.977+/-424.018 χ^2/NDF:36.2/44

All: -803.837+/-303.108 χ^2/NDF: 83.1/85



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

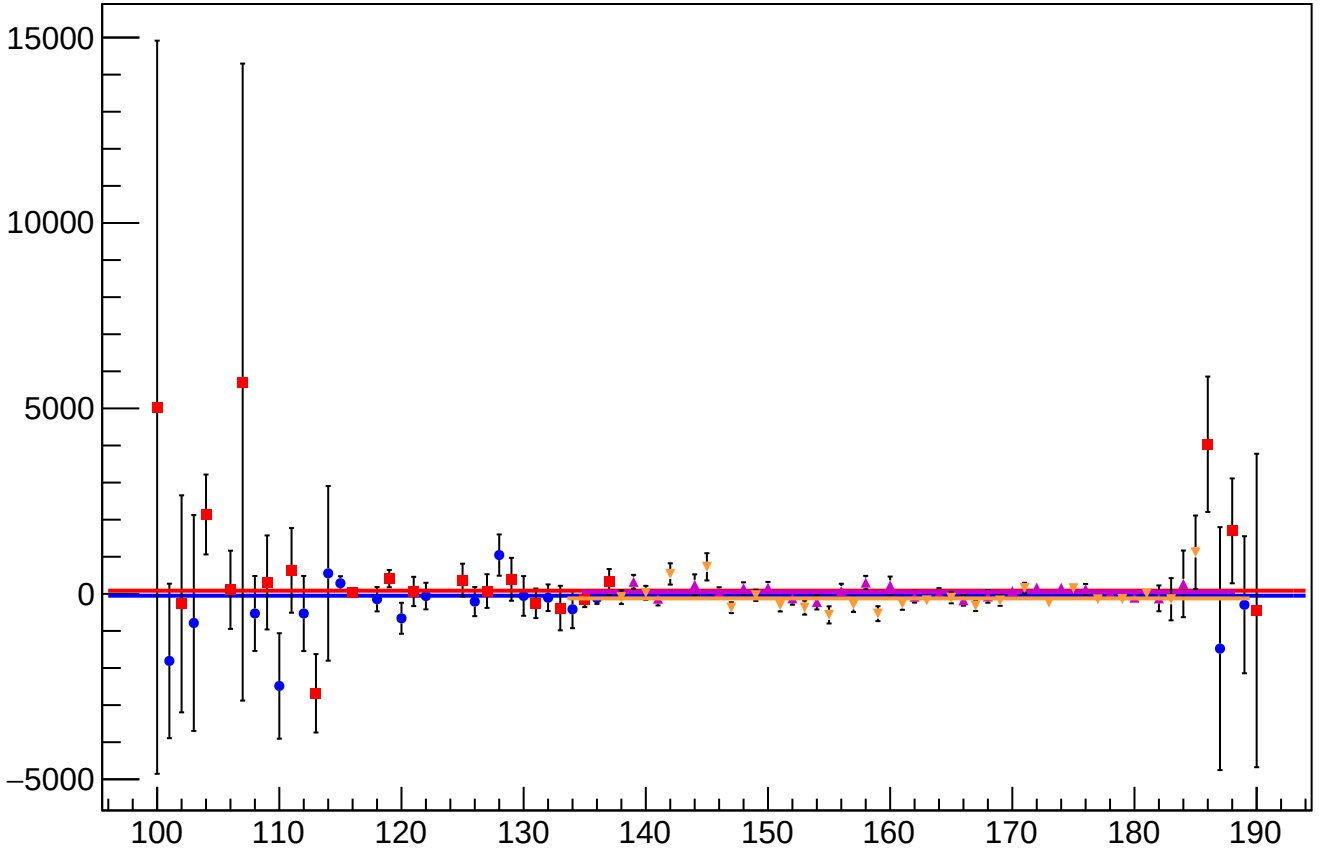
Right: 2305.451+/-0.401 χ^2/NDF: 678500.2/38

In: 2211.669+/-0.307 χ^2/NDF:547529.6/40

Out: 2219.354+/-0.300 χ^2/NDF:203397.3/44

All: 2215.596+/-0.214 χ^2/NDF: 751248.2/85

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

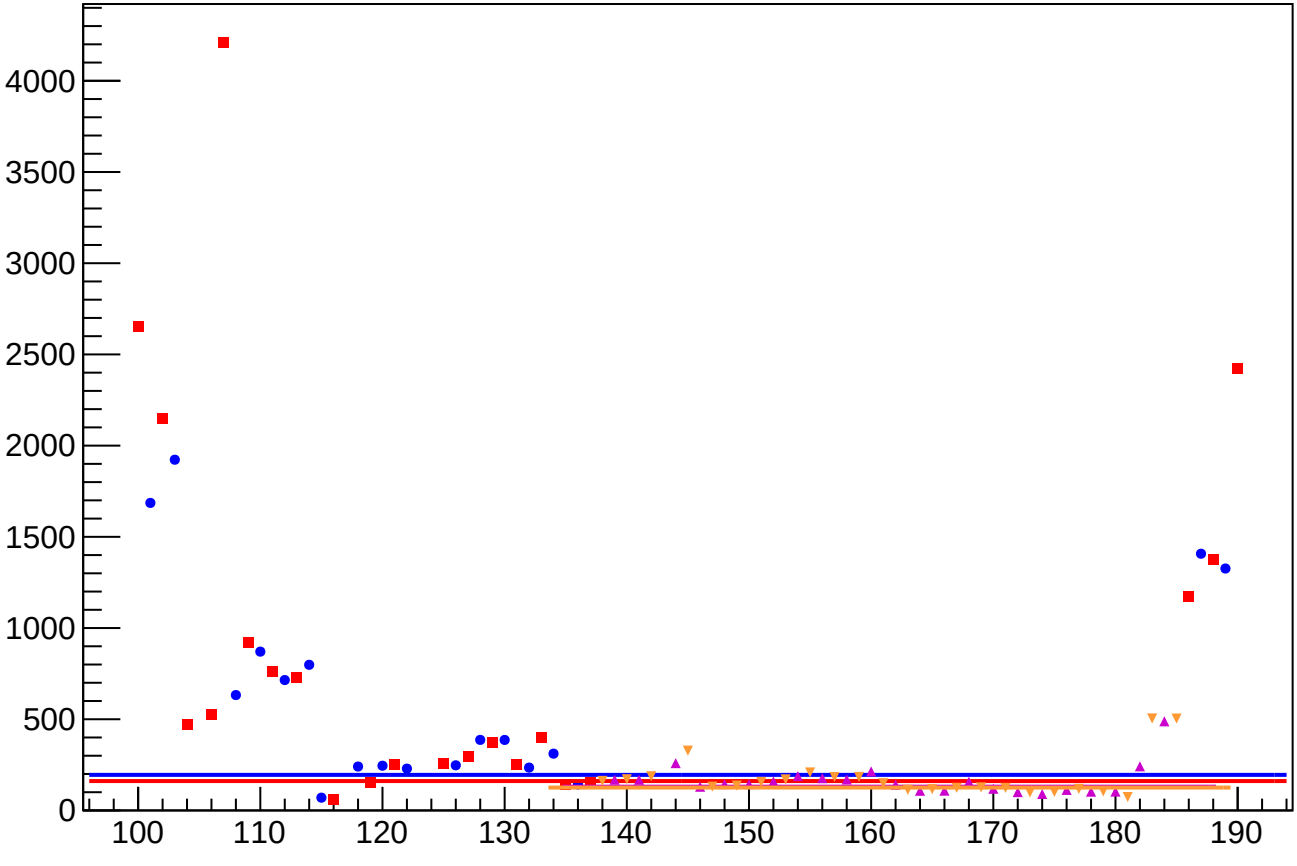
Right: 24.698+/-60.884 χ^2/NDF: 39.2/38

In: 38.833+/-30.638 χ^2/NDF:33.9/40

Out: -96.311+/-29.334 χ^2/NDF:72.8/44

All: -31.676+/-21.188 χ^2/NDF: 116.9/85

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 161.152+/-0.058 χ^2/NDF: 8785144.7/20

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

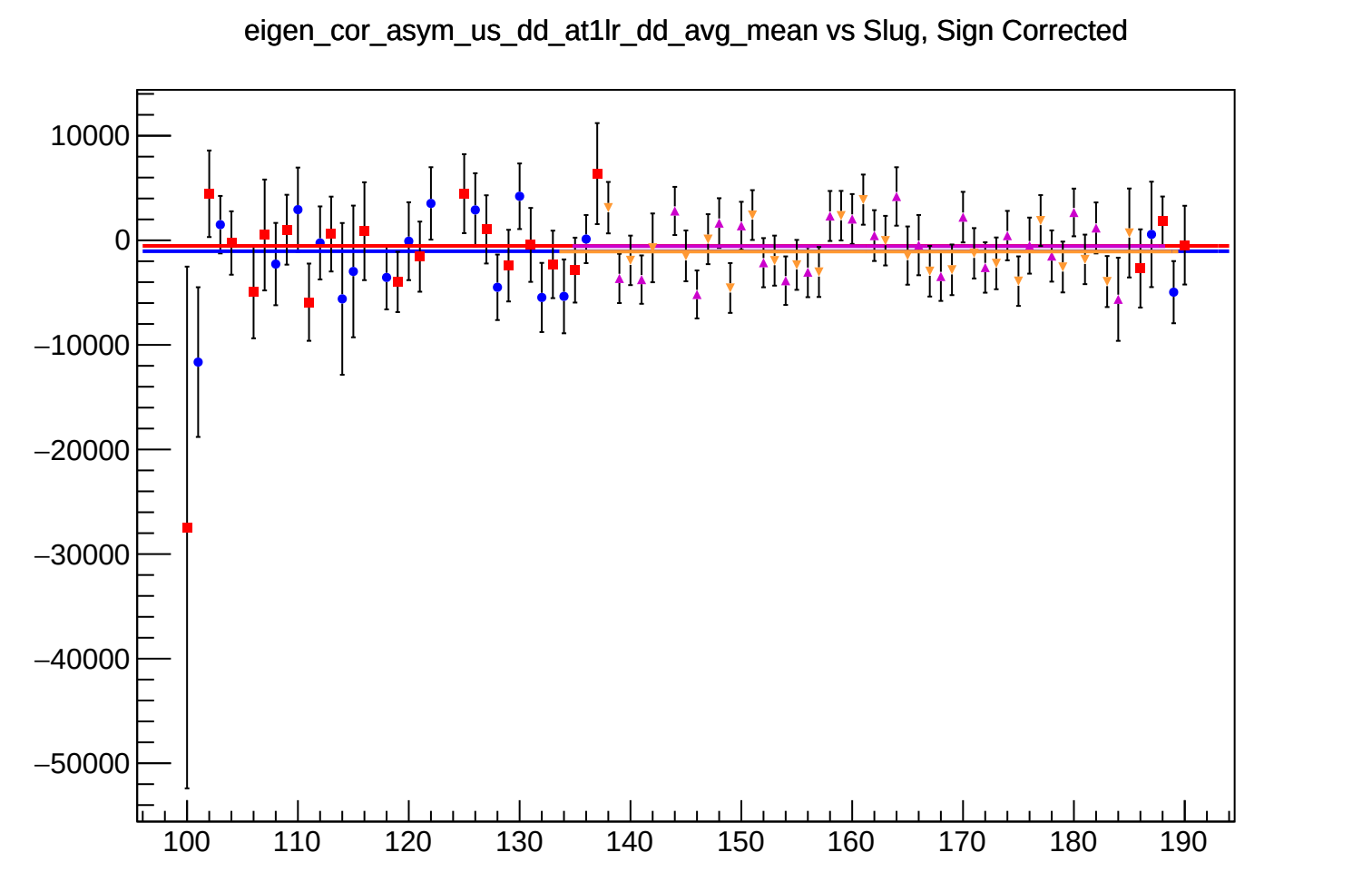
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 176.414+/-0.043 χ^2/NDF: 15029484.0/38

In: 137.813+/-0.022 χ^2/NDF:9668280.3/40

Out: 130.055+/-0.021 χ^2/NDF:13057777.3/44

All: 133.766+/-0.015 χ^2/NDF: 22792960.5/85



Right In: -1042.743+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -530.400+/-778.708 χ^2/NDF: 14.3/20

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

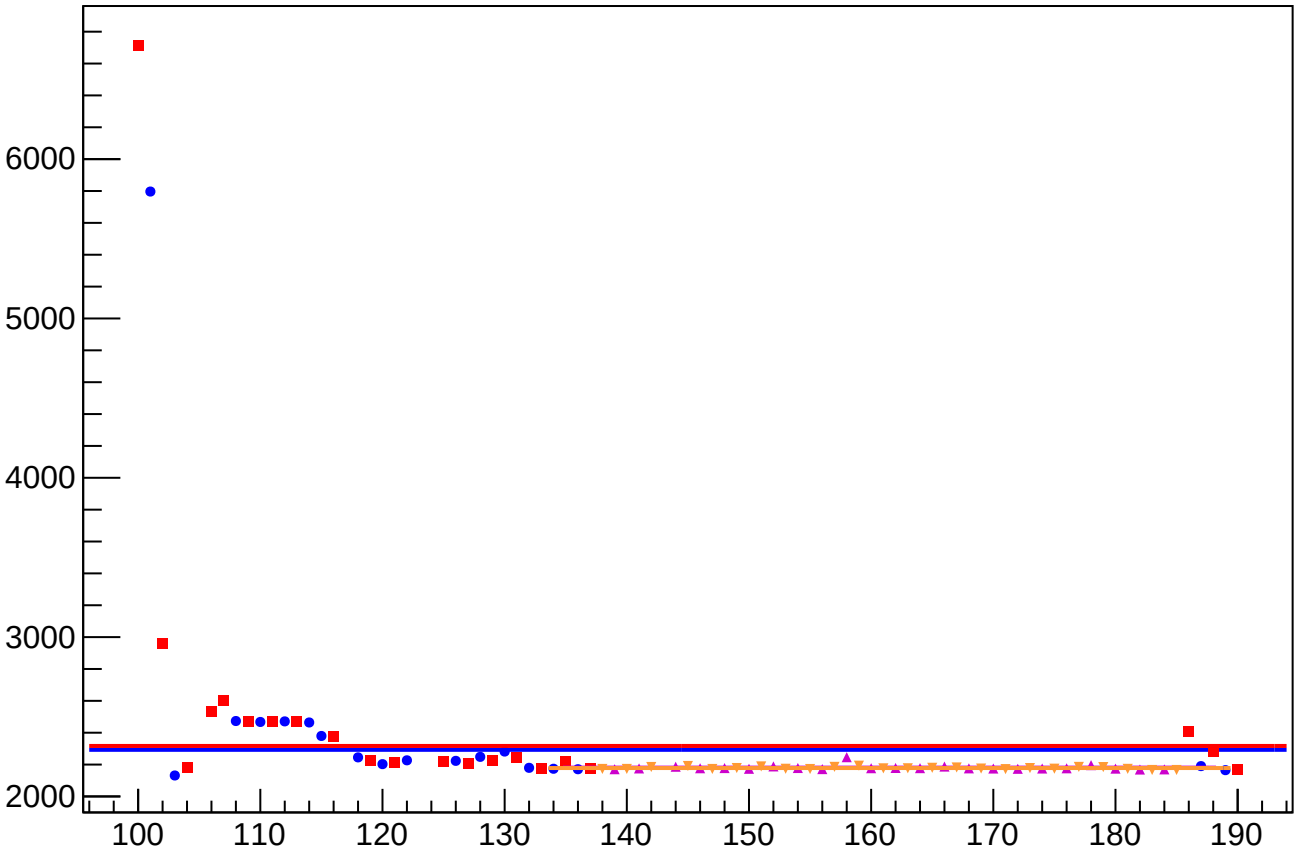
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -771.493+/-566.603 χ^2/NDF: 32.3/38

In: -690.829+/-433.457 χ^2/NDF:46.8/40

Out: -911.977+/-424.018 χ^2/NDF:36.2/44

All: -803.837+/-303.108 χ^2/NDF: 83.1/85



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

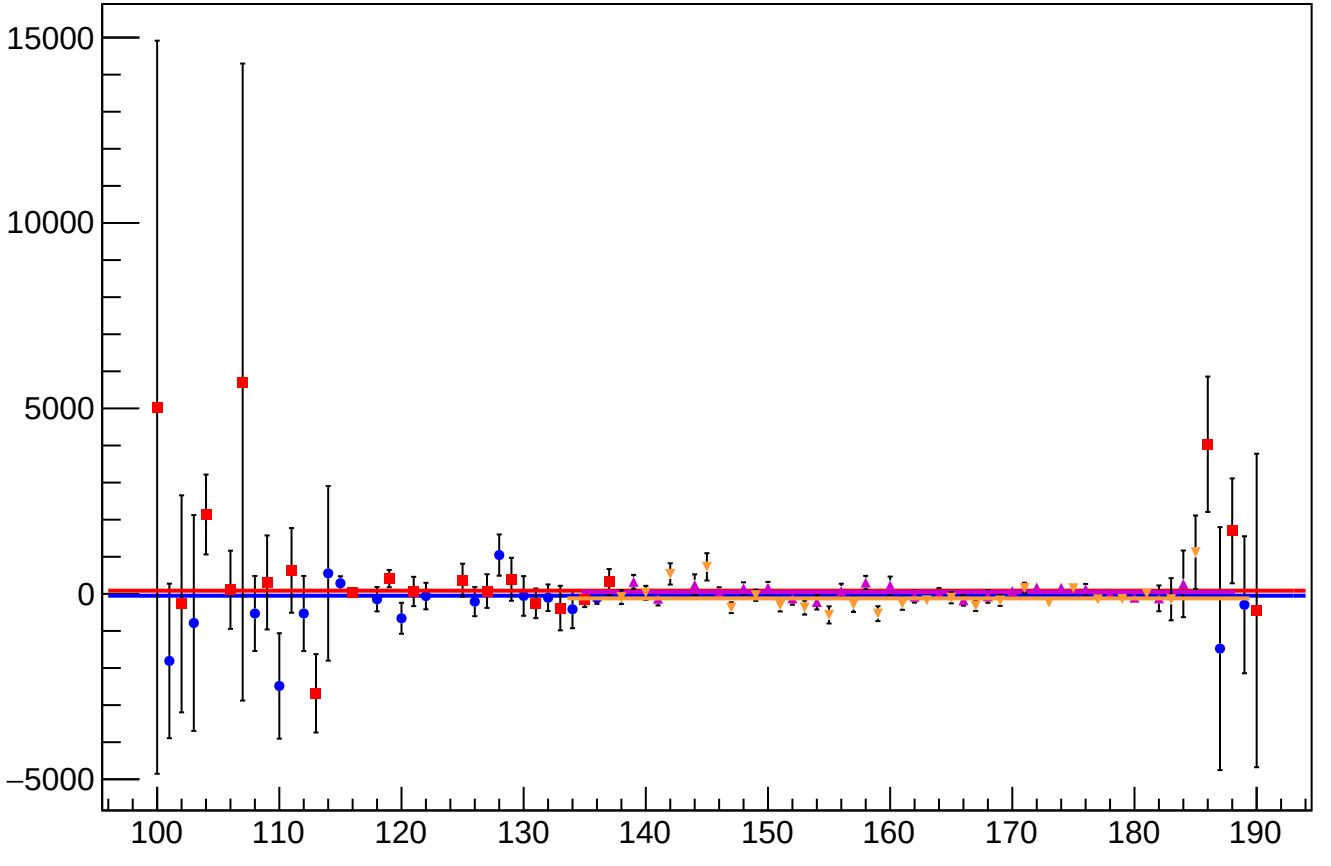
Right: 2305.451+/-0.401 χ^2/NDF: 678500.2/38

In: 2211.669+/-0.307 χ^2/NDF:547529.6/40

Out: 2219.354+/-0.300 χ^2/NDF:203397.3/44

All: 2215.596+/-0.214 χ^2/NDF: 751248.2/85

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

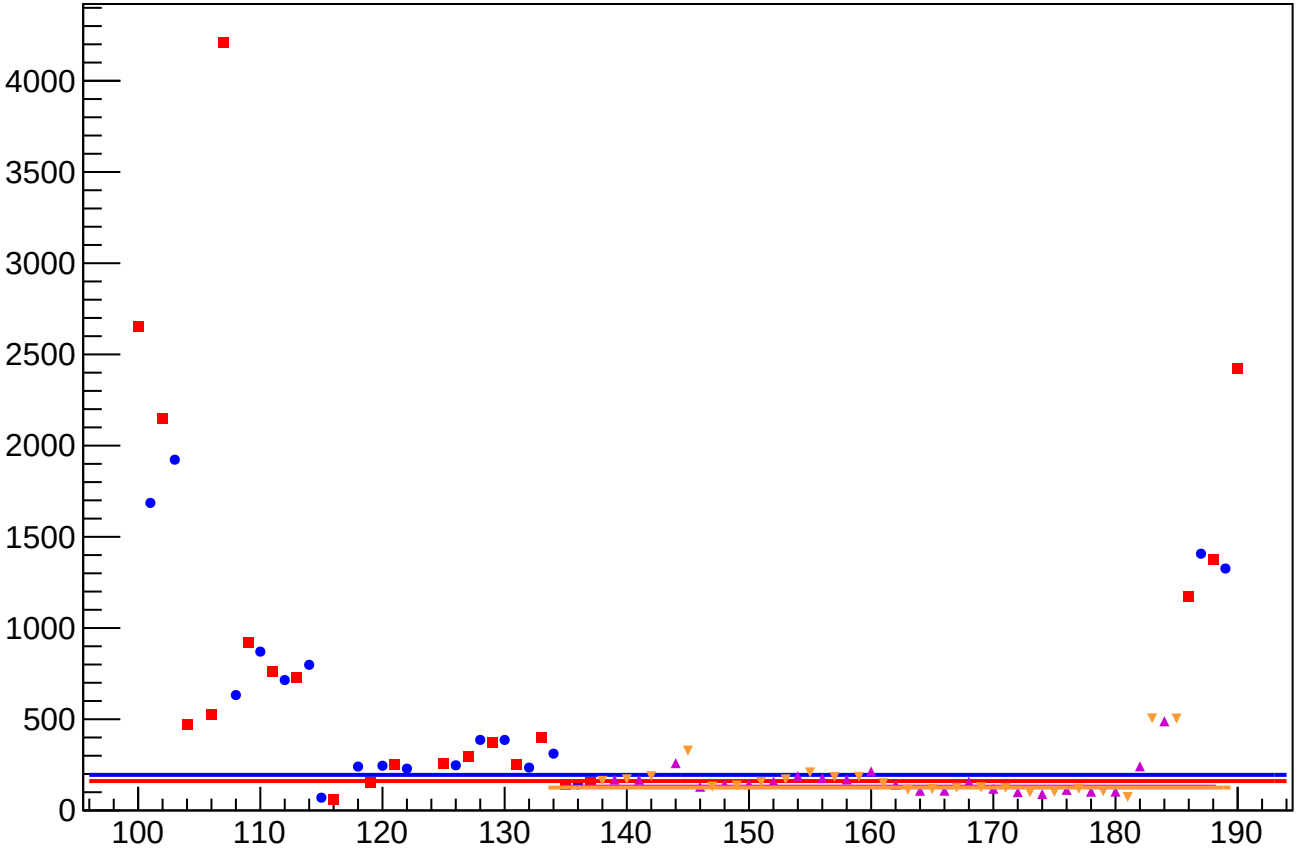
Right: 24.698+/-60.884 χ^2/NDF: 39.2/38

In: 38.833+/-30.638 χ^2/NDF:33.9/40

Out: -96.311+/-29.334 χ^2/NDF:72.8/44

All: -31.676+/-21.188 χ^2/NDF: 116.9/85

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 161.152+/-0.058 χ^2/NDF: 8785144.7/20

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

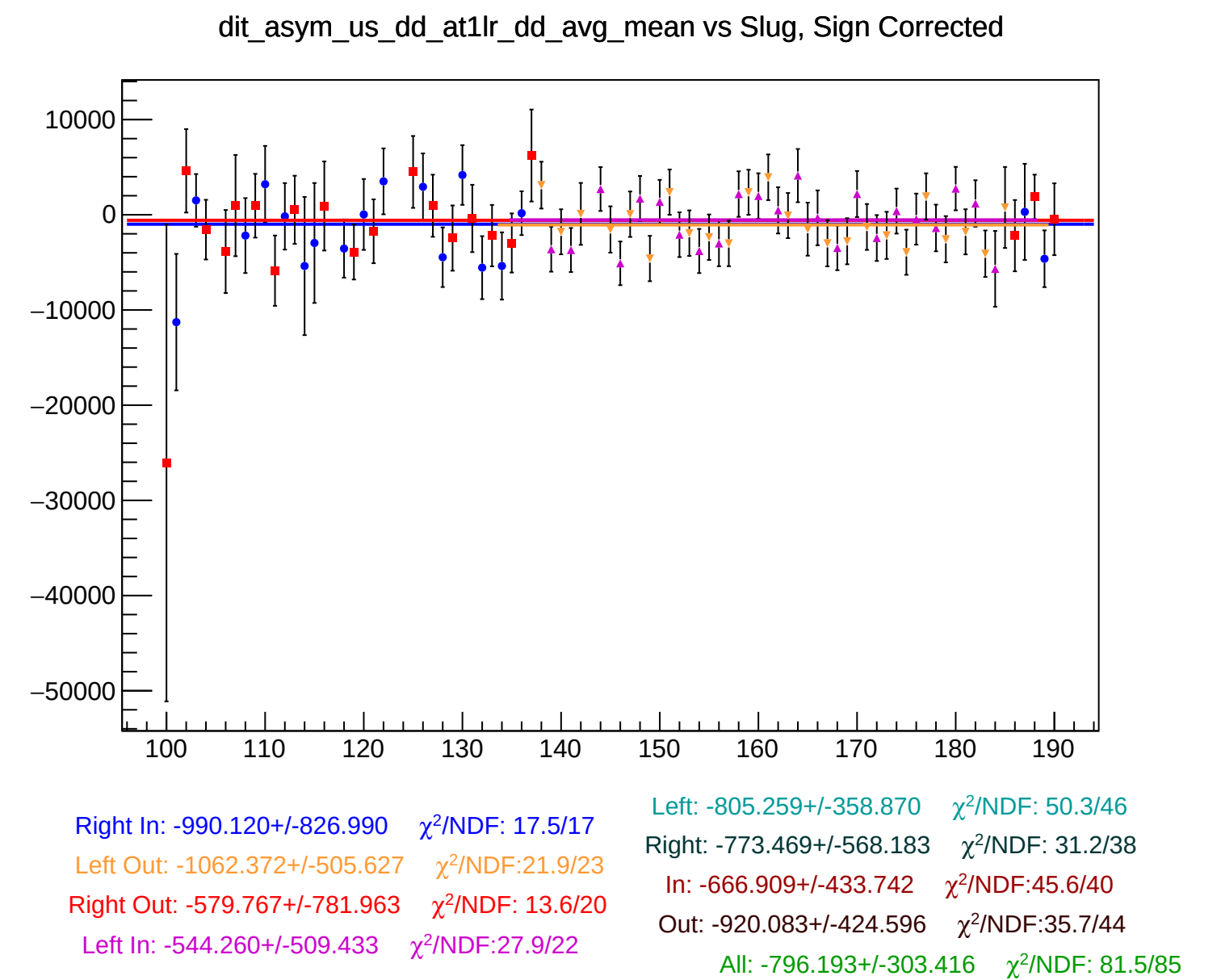
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

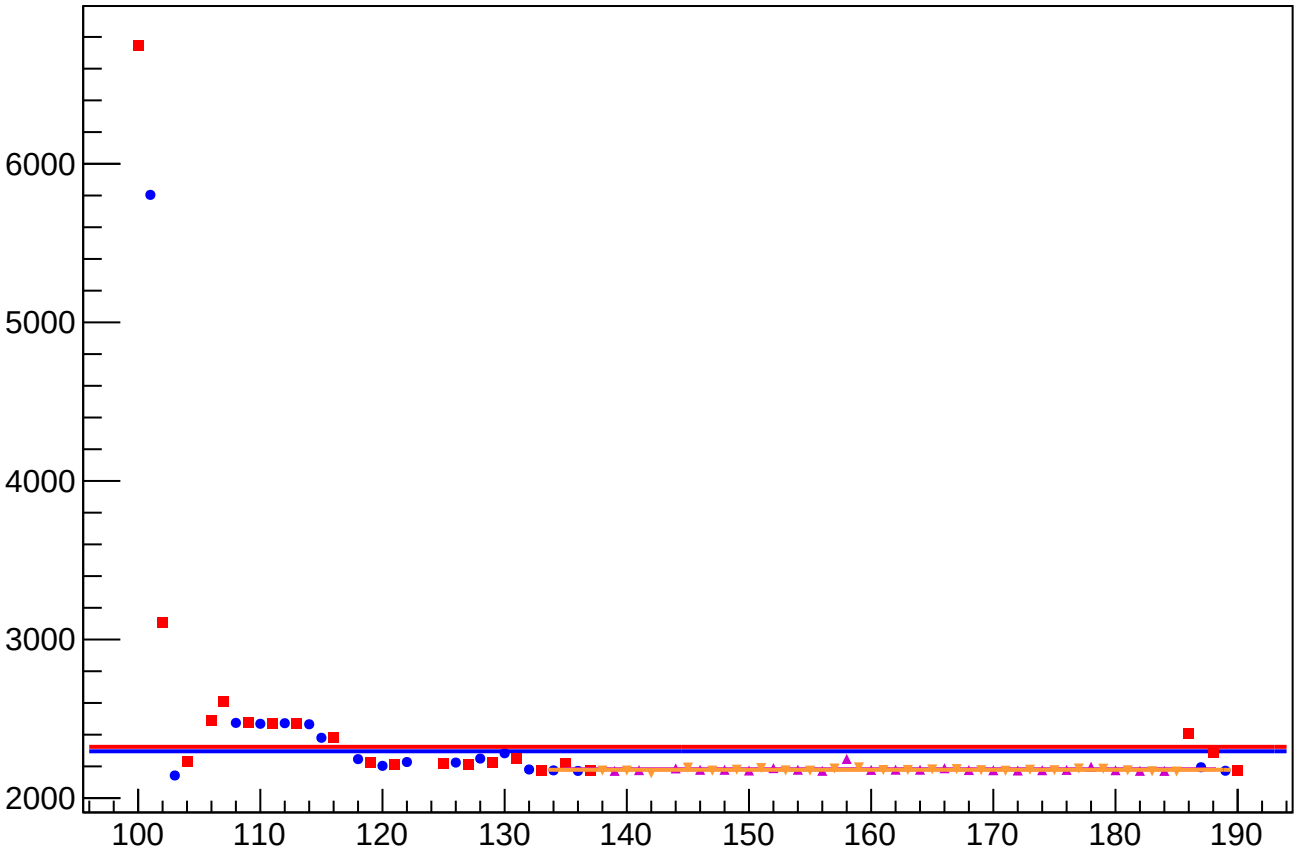
Right: 176.414+/-0.043 χ^2/NDF: 15029484.0/38

In: 137.813+/-0.022 χ^2/NDF:9668280.3/40

Out: 130.055+/-0.021 χ^2/NDF:13057777.3/44

All: 133.766+/-0.015 χ^2/NDF: 22792960.5/85


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -990.120+/-826.990 χ²/NDF: 17.5/17
Left Out: -1062.372+/-505.627 χ²/NDF:21.9/23
Right Out: -579.767+/-781.963 χ²/NDF: 13.6/20
Left In: -544.260+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -773.469+/-568.183 χ²/NDF: 31.2/38
In: -666.909+/-433.742 χ²/NDF:45.6/40
Out: -920.083+/-424.596 χ²/NDF:35.7/44
All: -796.193+/-303.416 χ²/NDF: 81.5/85



Right In: 2295.195+/-0.585 χ^2/NDF: 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2323.263+/-0.553 χ^2/NDF: 172261.0/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

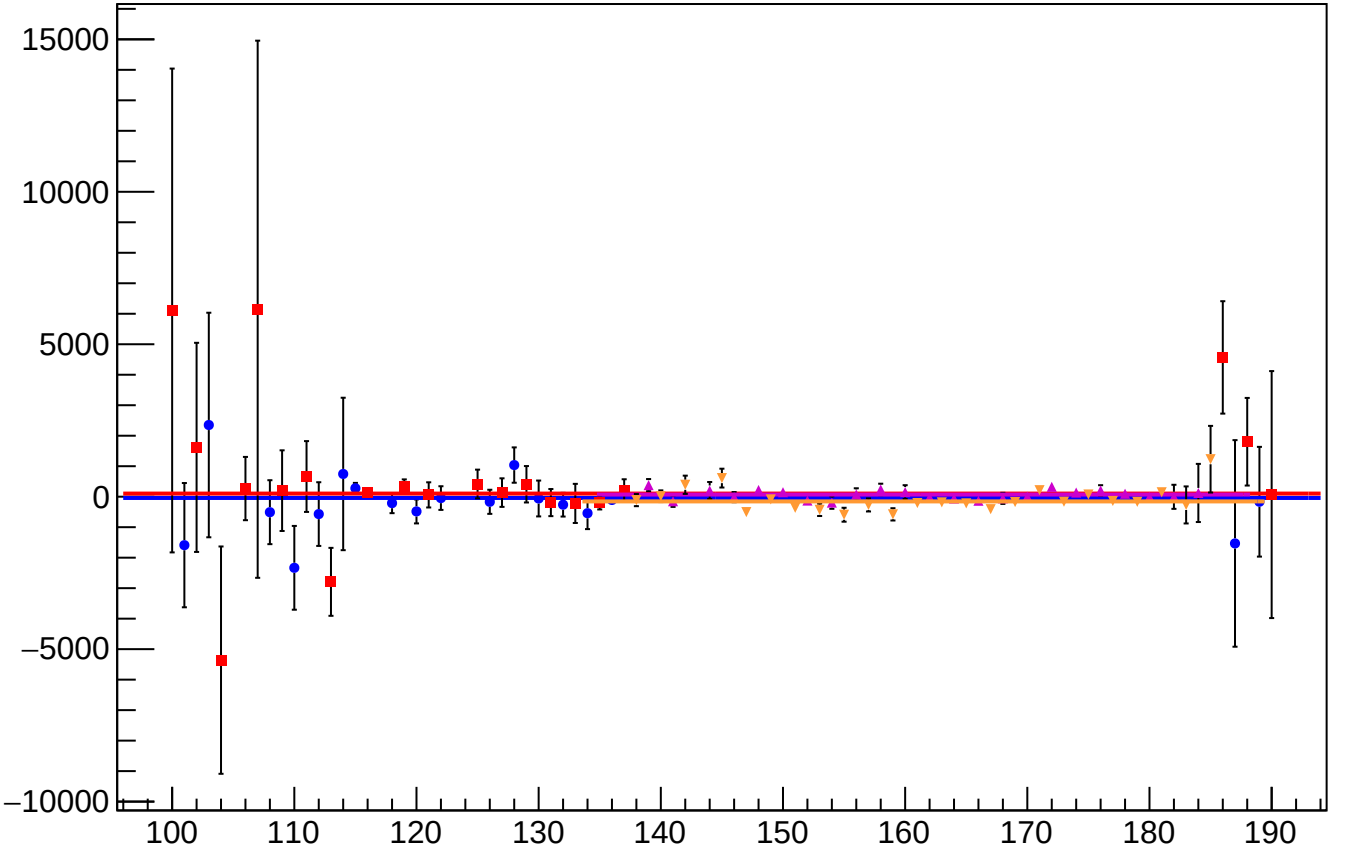
Right: 2310.014+/-0.402 χ^2/NDF: 691883.6/38

In: 2213.053+/-0.307 χ^2/NDF:547463.3/40

Out: 2221.184+/-0.300 χ^2/NDF:221050.2/44

All: 2217.205+/-0.215 χ^2/NDF: 768872.4/85

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -41.554+/-92.253 χ^2/NDF: 14.3/17

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.208+/-85.821 χ^2/NDF: 22.3/20

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

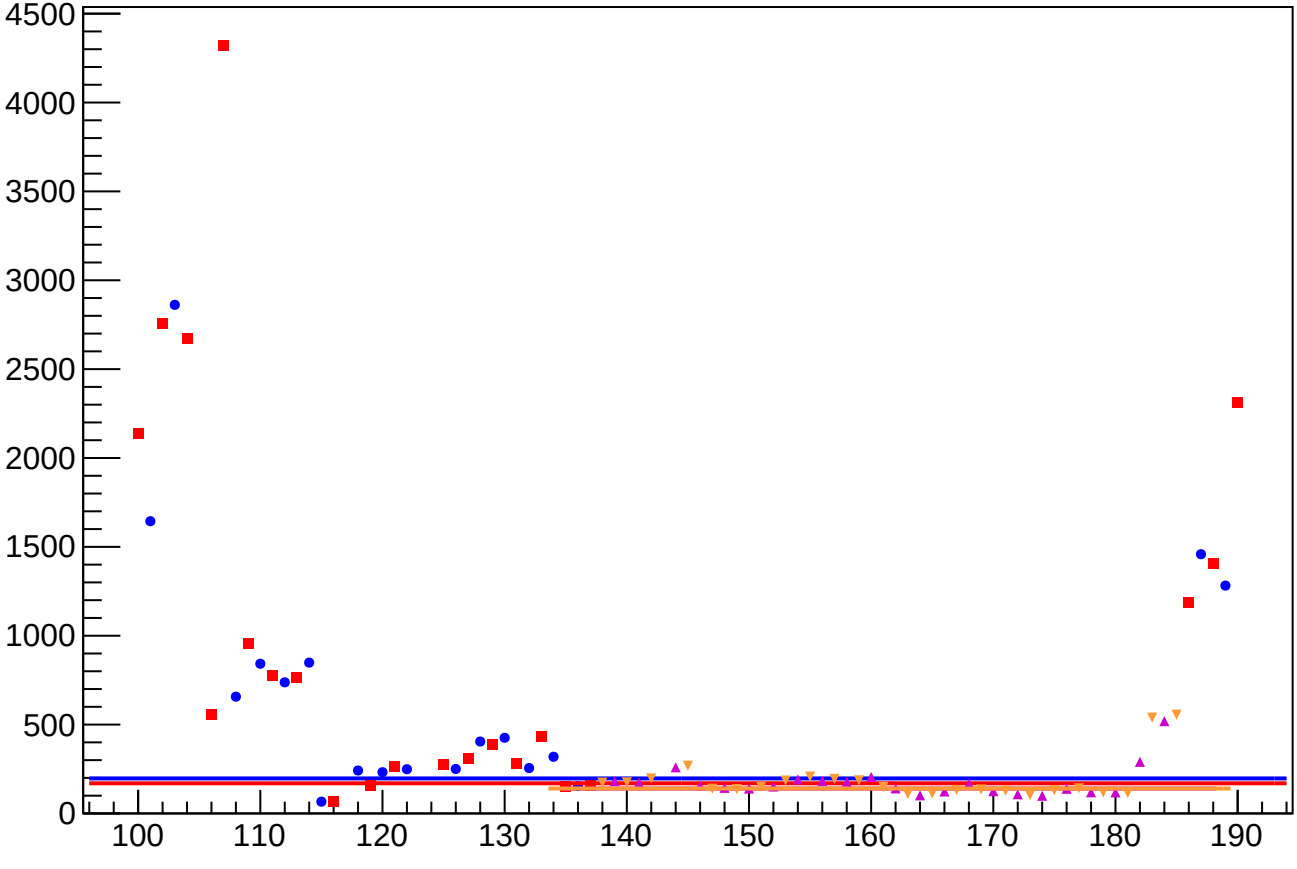
Right: 35.512+/-62.836 χ^2/NDF: 37.8/38

In: 56.643+/-32.071 χ^2/NDF:34.5/40

Out: -119.762+/-31.658 χ^2/NDF:77.3/44

All: -32.701+/-22.530 χ^2/NDF: 127.1/85

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.054+/-0.065 χ^2/NDF: 6625548.9/17

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 169.727+/-0.061 χ^2/NDF: 9728071.2/20

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

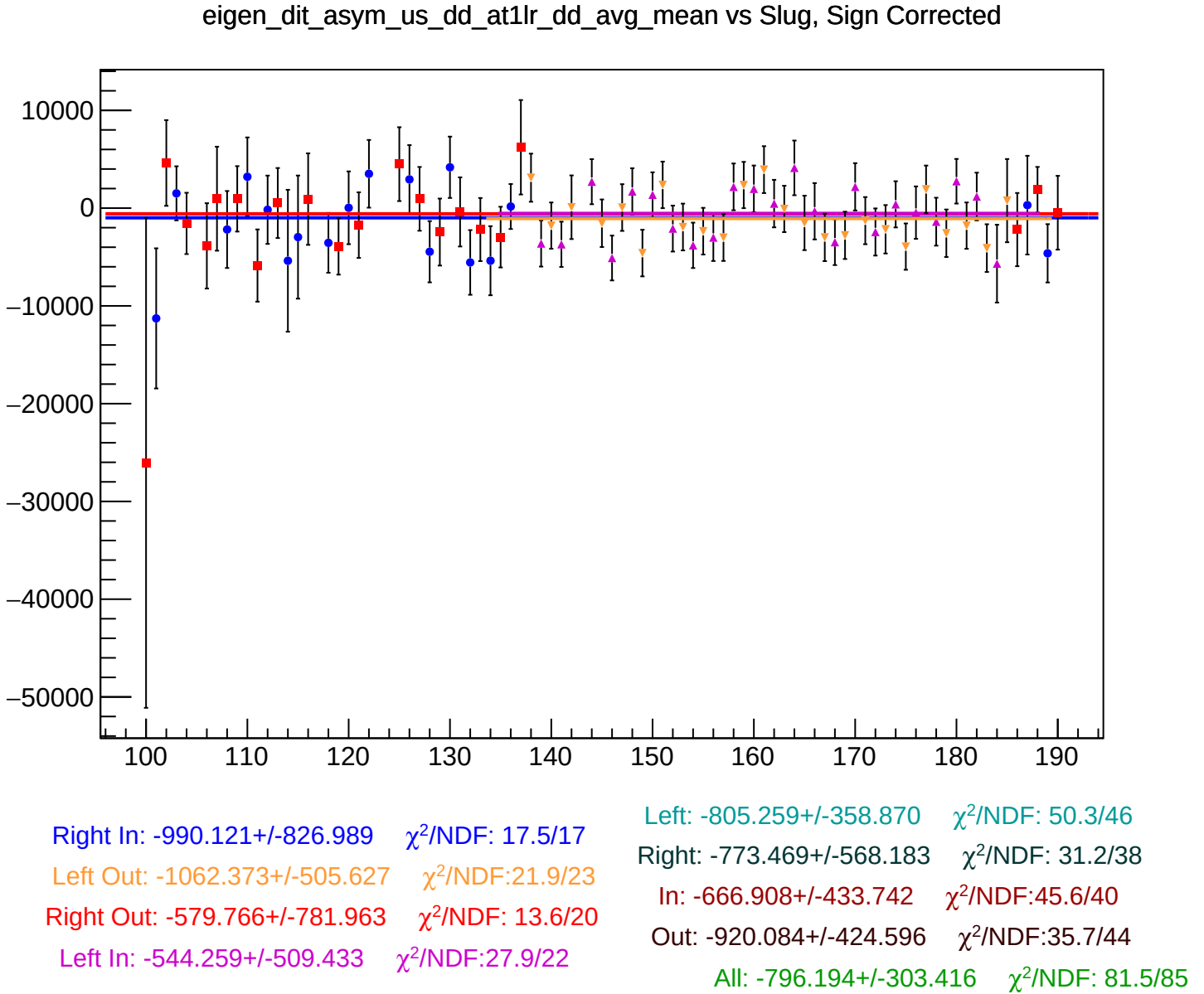
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

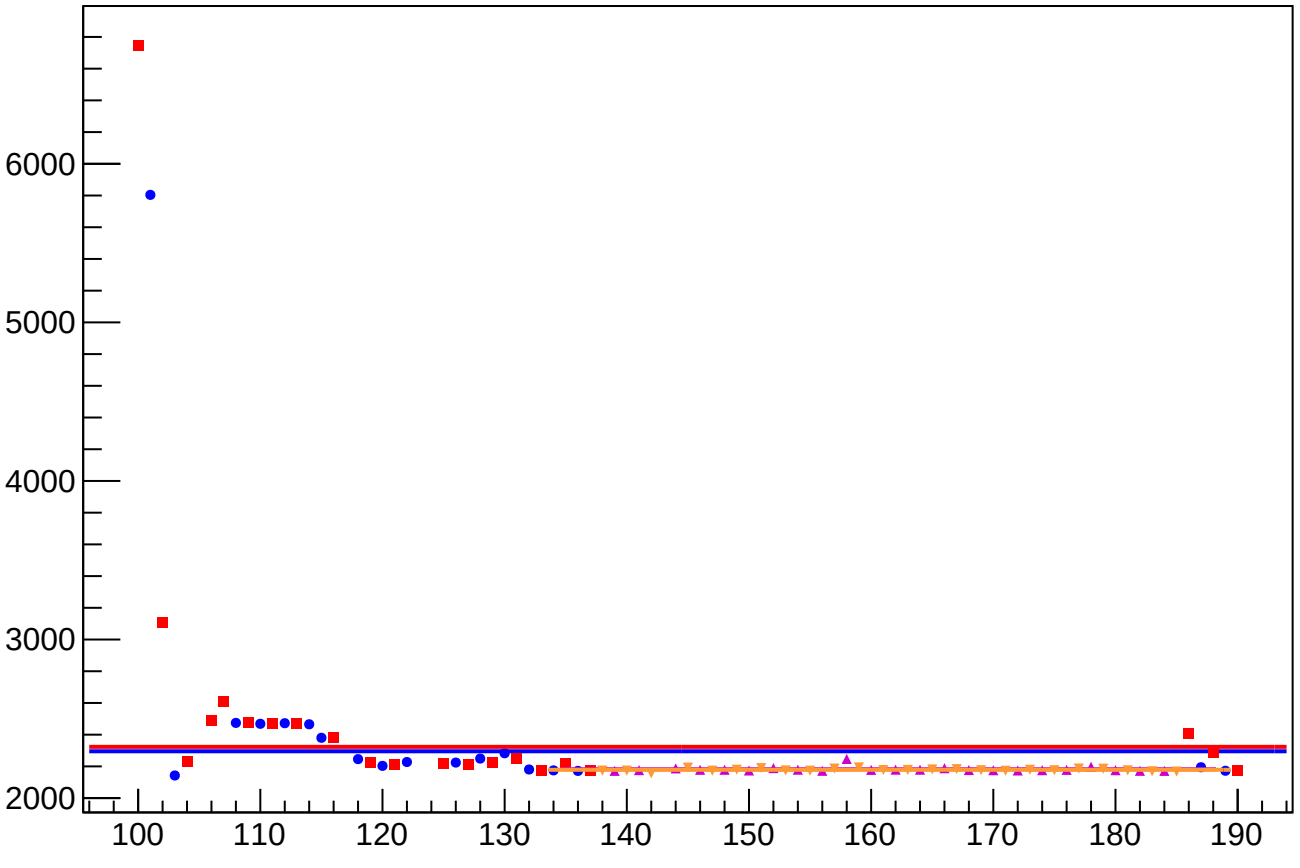
Right: 182.405+/-0.044 χ^2/NDF: 16447701.4/38

In: 146.876+/-0.023 χ^2/NDF:9711034.1/40

Out: 144.320+/-0.022 χ^2/NDF:12691236.9/44

All: 145.582+/-0.016 χ^2/NDF: 22408704.9/85


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -990.121+/-826.989 χ²/NDF: 17.5/17
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -579.766+/-781.963 χ²/NDF: 13.6/20
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -773.469+/-568.183 χ²/NDF: 31.2/38
In: -666.908+/-433.742 χ²/NDF:45.6/40
Out: -920.084+/-424.596 χ²/NDF:35.7/44
All: -796.194+/-303.416 χ²/NDF: 81.5/85



Right In: 2295.194+/-0.585 χ^2/NDF: 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2323.263+/-0.553 χ^2/NDF: 172260.9/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

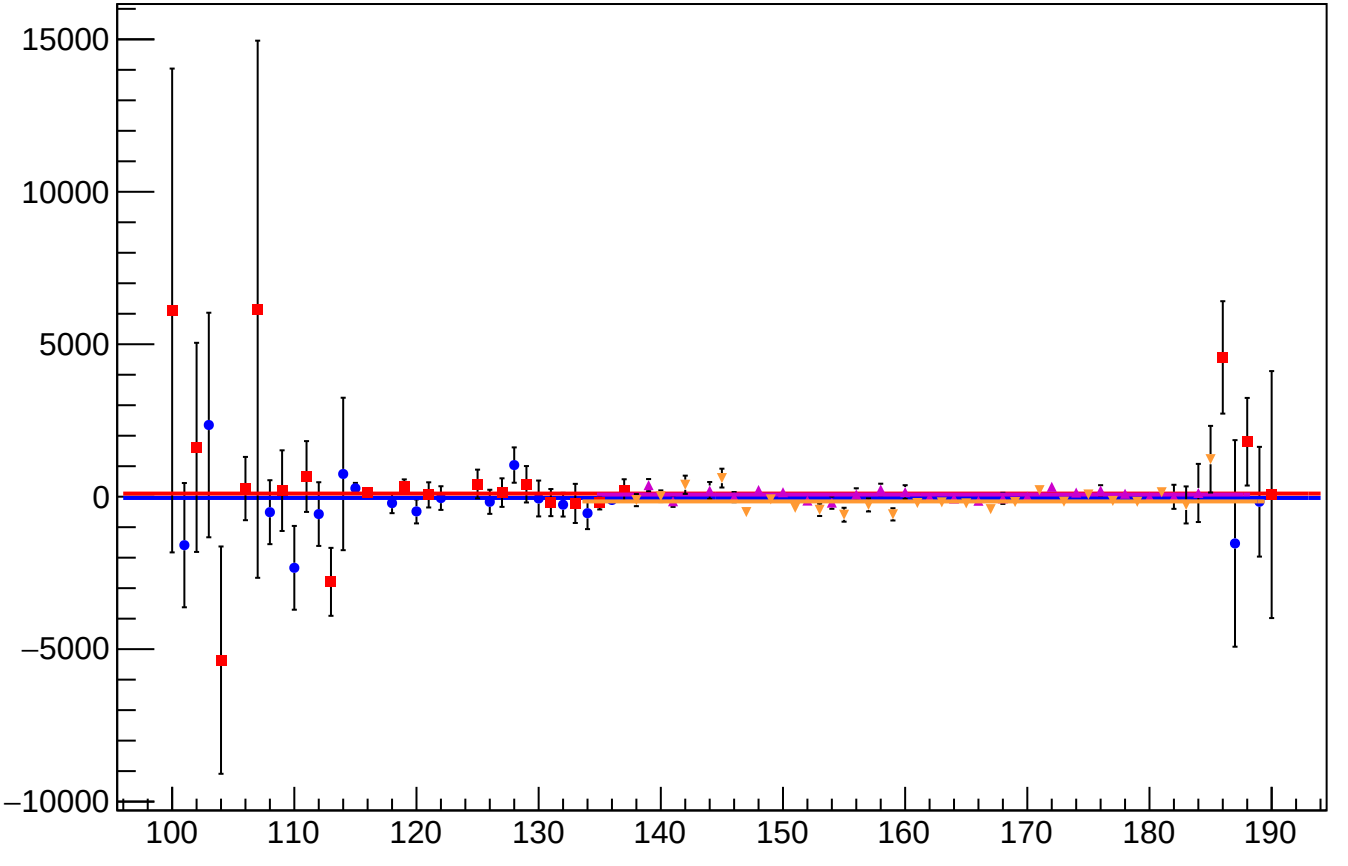
Right: 2310.014+/-0.402 χ^2/NDF: 691883.5/38

In: 2213.053+/-0.307 χ^2/NDF:547463.3/40

Out: 2221.184+/-0.300 χ^2/NDF:221050.1/44

All: 2217.205+/-0.215 χ^2/NDF: 768872.3/85

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -41.551+/-92.252 χ^2/NDF: 14.3/17

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.208+/-85.820 χ^2/NDF: 22.3/20

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

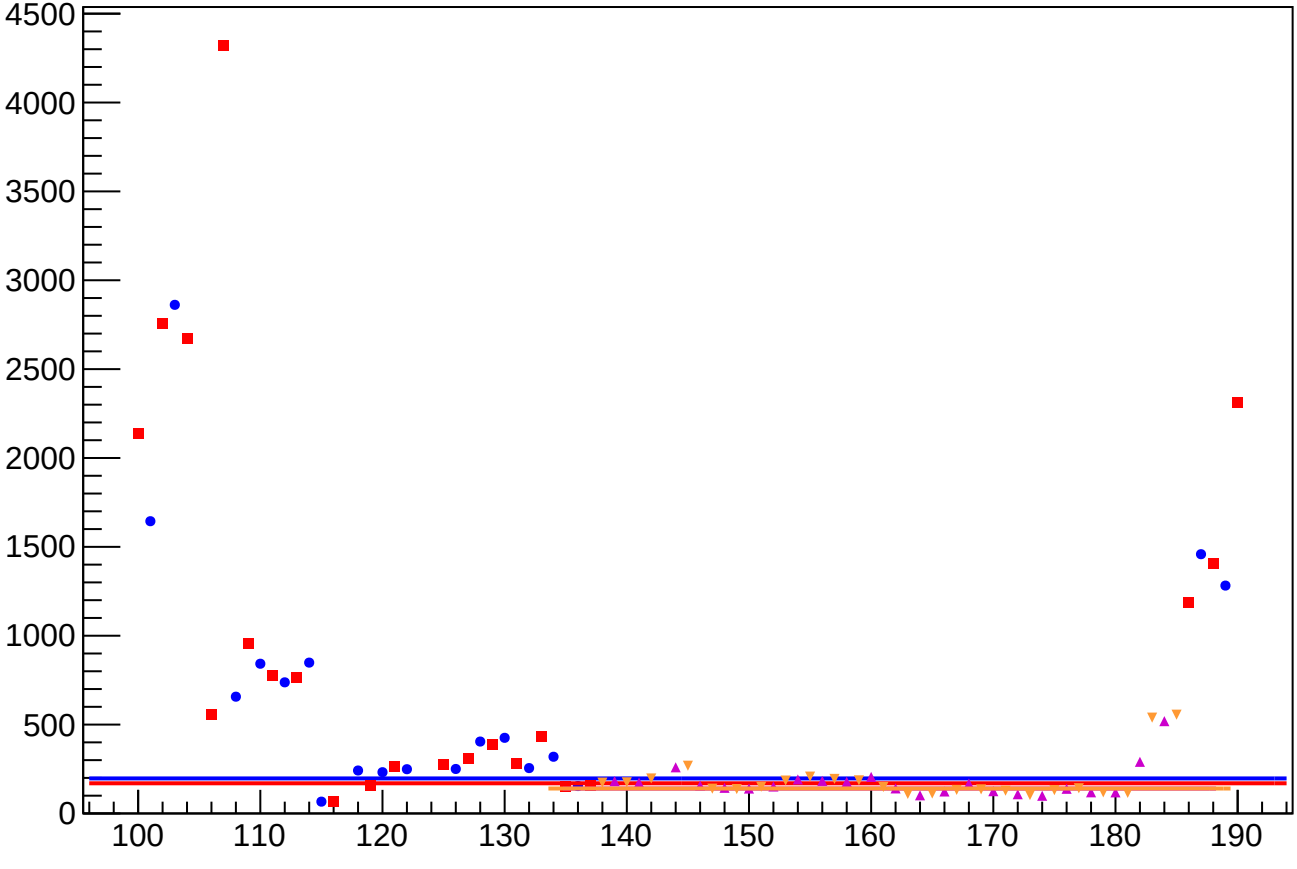
Right: 35.514+/-62.835 χ^2/NDF: 37.8/38

In: 56.642+/-32.071 χ^2/NDF:34.5/40

Out: -119.762+/-31.659 χ^2/NDF:77.3/44

All: -32.702+/-22.530 χ^2/NDF: 127.1/85

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.052+/-0.065 χ^2/NDF: 6625590.0/17

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 169.724+/-0.061 χ^2/NDF: 9728139.2/20

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

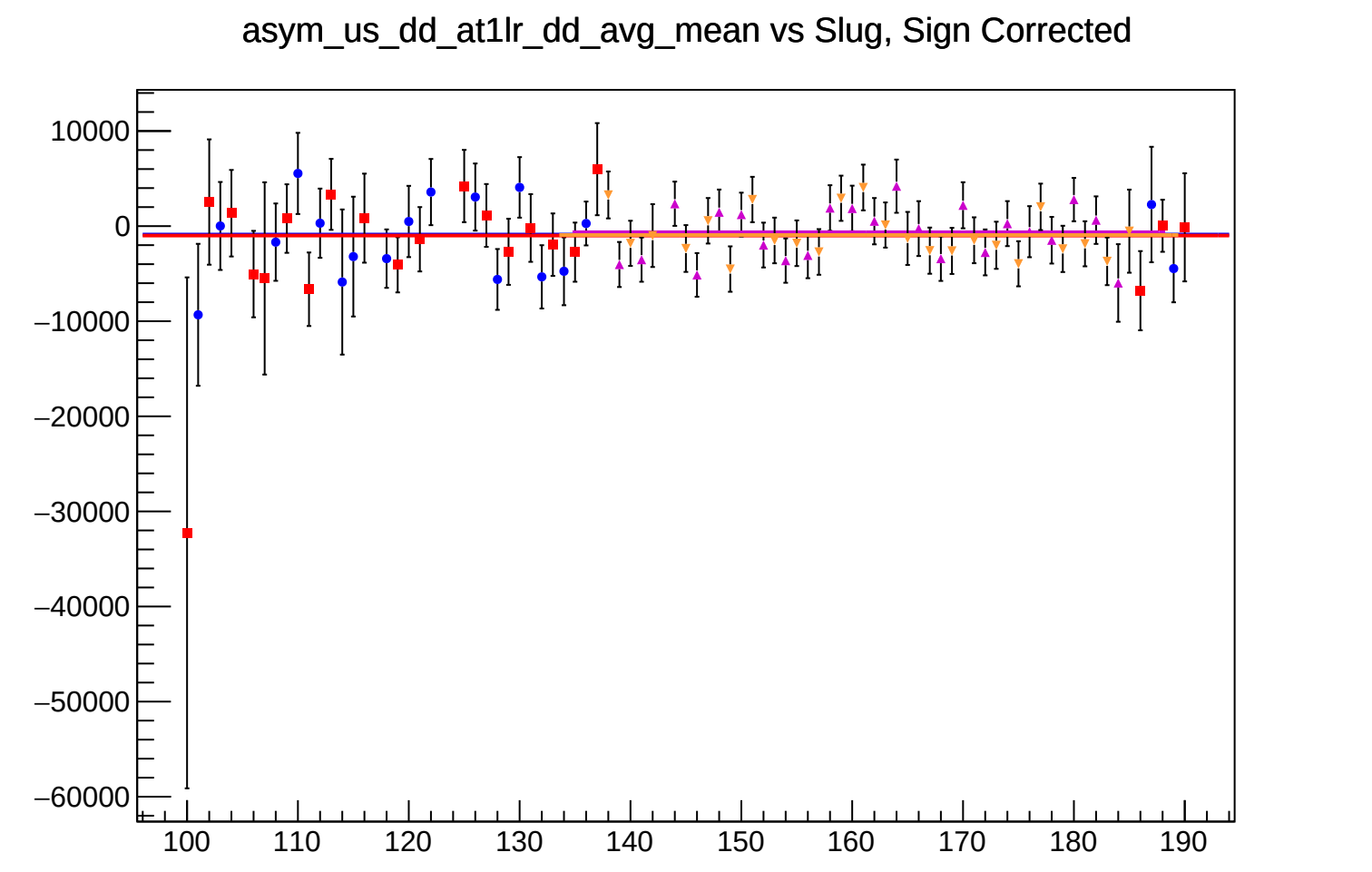
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 182.402+/-0.044 χ^2/NDF: 16447812.8/38

In: 146.876+/-0.023 χ^2/NDF:9711080.9/40

Out: 144.321+/-0.022 χ^2/NDF:12691266.5/44

All: 145.582+/-0.016 χ^2/NDF: 22408780.9/85



Right In: -886.066+/-877.813 χ^2/NDF: 17.1/17

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -991.747+/-850.827 χ^2/NDF: 15.1/20

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

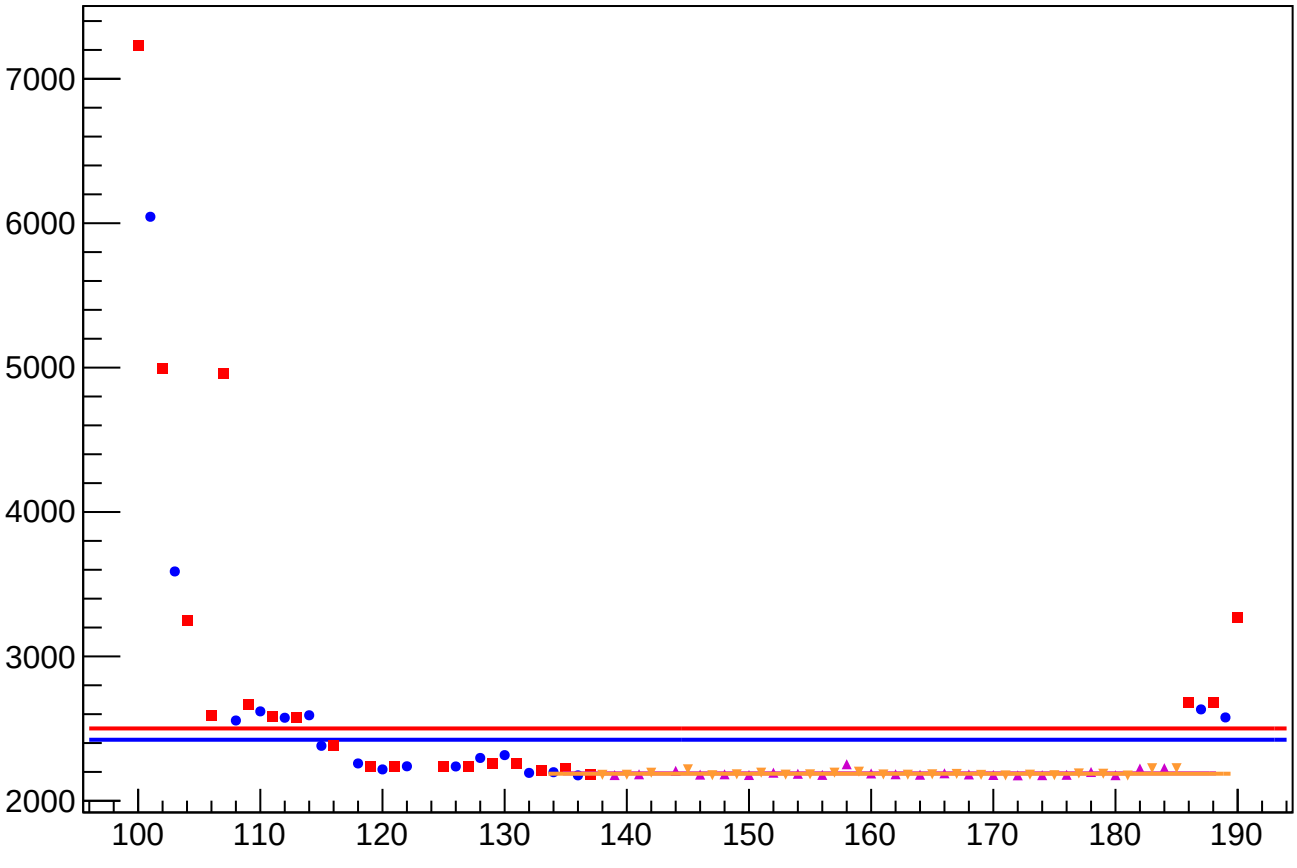
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -940.556+/-610.943 χ^2/NDF: 32.2/38

In: -704.418+/-441.863 χ^2/NDF:44.2/40

Out: -947.690+/-435.991 χ^2/NDF:37.5/44

All: -827.681+/-310.347 χ^2/NDF: 81.8/85



Right In: 2422.880+/-0.621 χ^2/NDF: 683621.0/17

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2501.113+/-0.602 χ^2/NDF: 688006.5/20

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

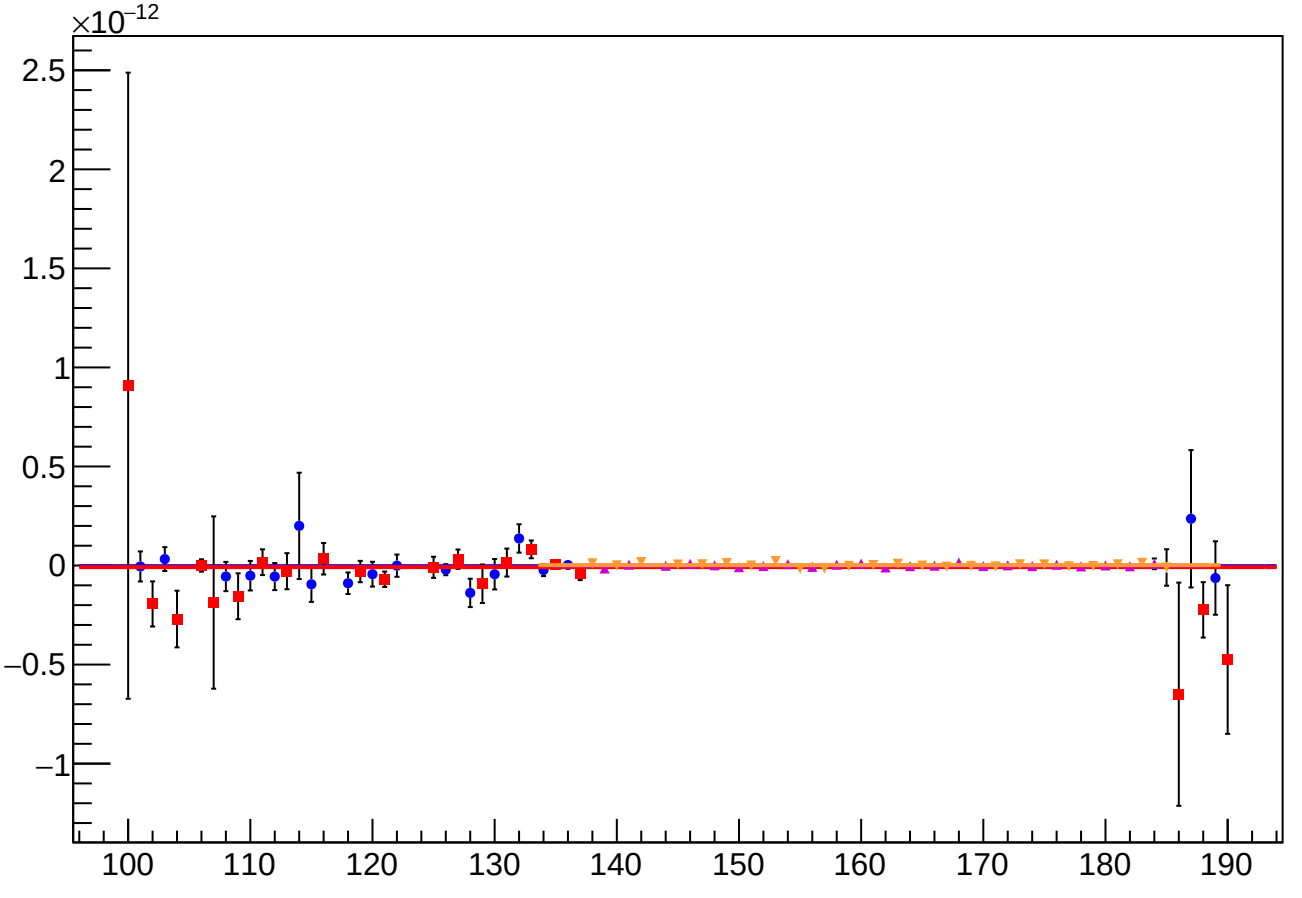
Right: 2463.218+/-0.432 χ^2/NDF: 1379818.3/38

In: 2249.129+/-0.312 χ^2/NDF:791114.0/40

Out: 2269.939+/-0.308 χ^2/NDF:889573.1/44

All: 2259.673+/-0.219 χ^2/NDF: 1682934.9/85

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/20

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

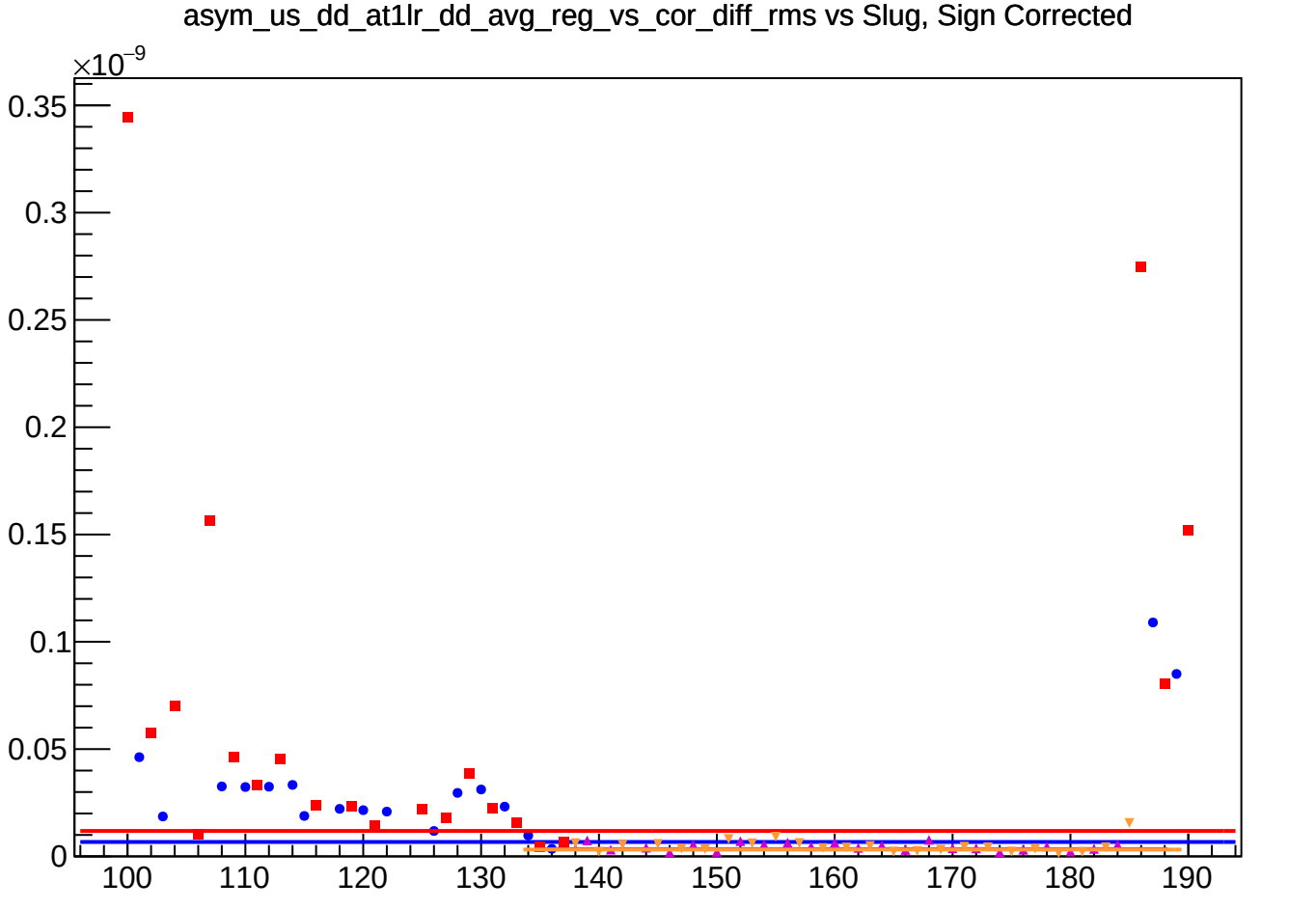
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 40.5/38

In: -0.000+/-0.000 χ^2/NDF:29.7/40

Out: 0.000+/-0.000 χ^2/NDF:44.6/44

All: 0.000+/-0.000 χ^2/NDF: 75.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 3388137.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3900727.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

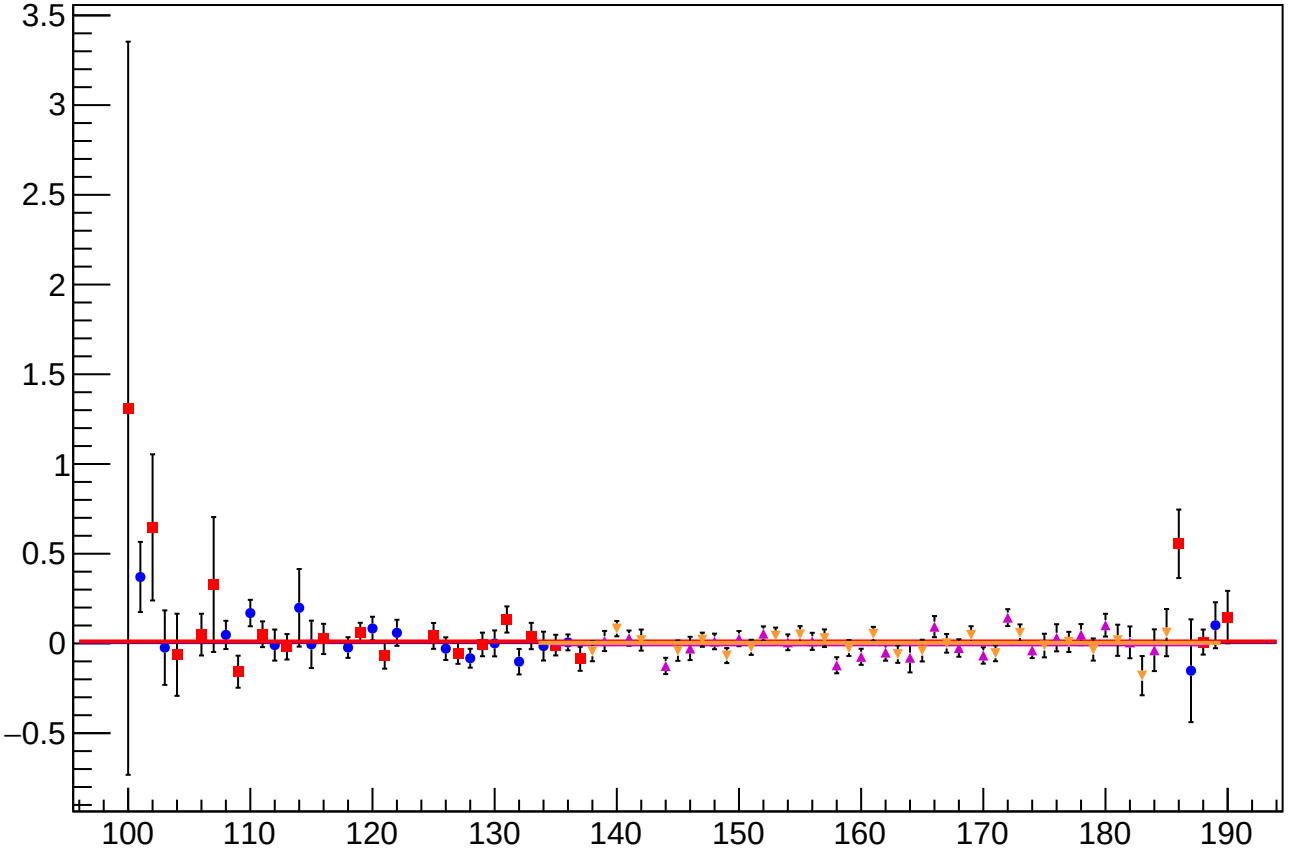
Right: 0.000+/-0.000 χ^2/NDF: 7680875.2/38

In: 0.000+/-0.000 χ^2/NDF:5617662.6/40

Out: 0.000+/-0.000 χ^2/NDF:7518074.3/44

All: 0.000+/-0.000 χ^2/NDF: 13156994.4/85

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

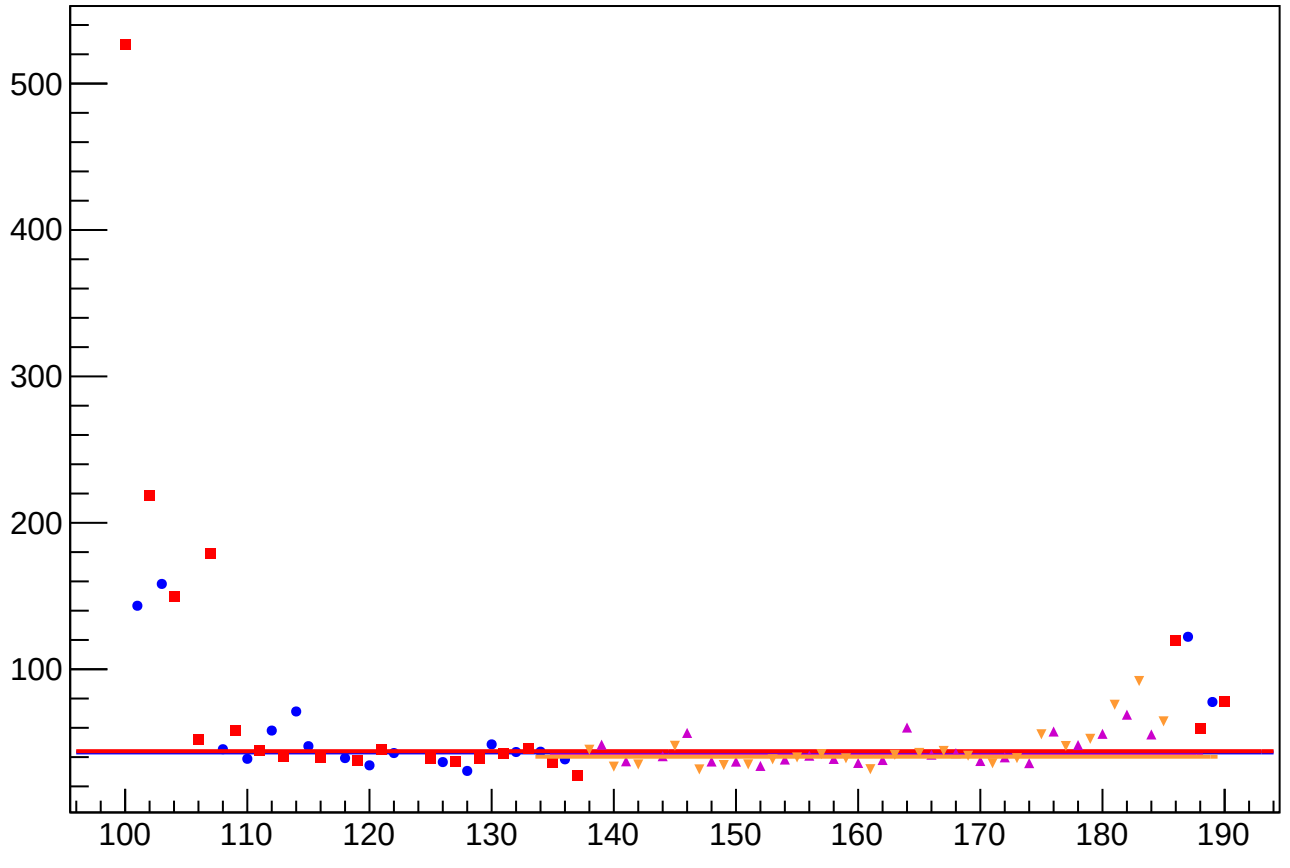
Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

Right: 0.009+/-0.013 χ^2/NDF: 43.5/38

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.002+/-0.006 χ^2/NDF: 107.6/85



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

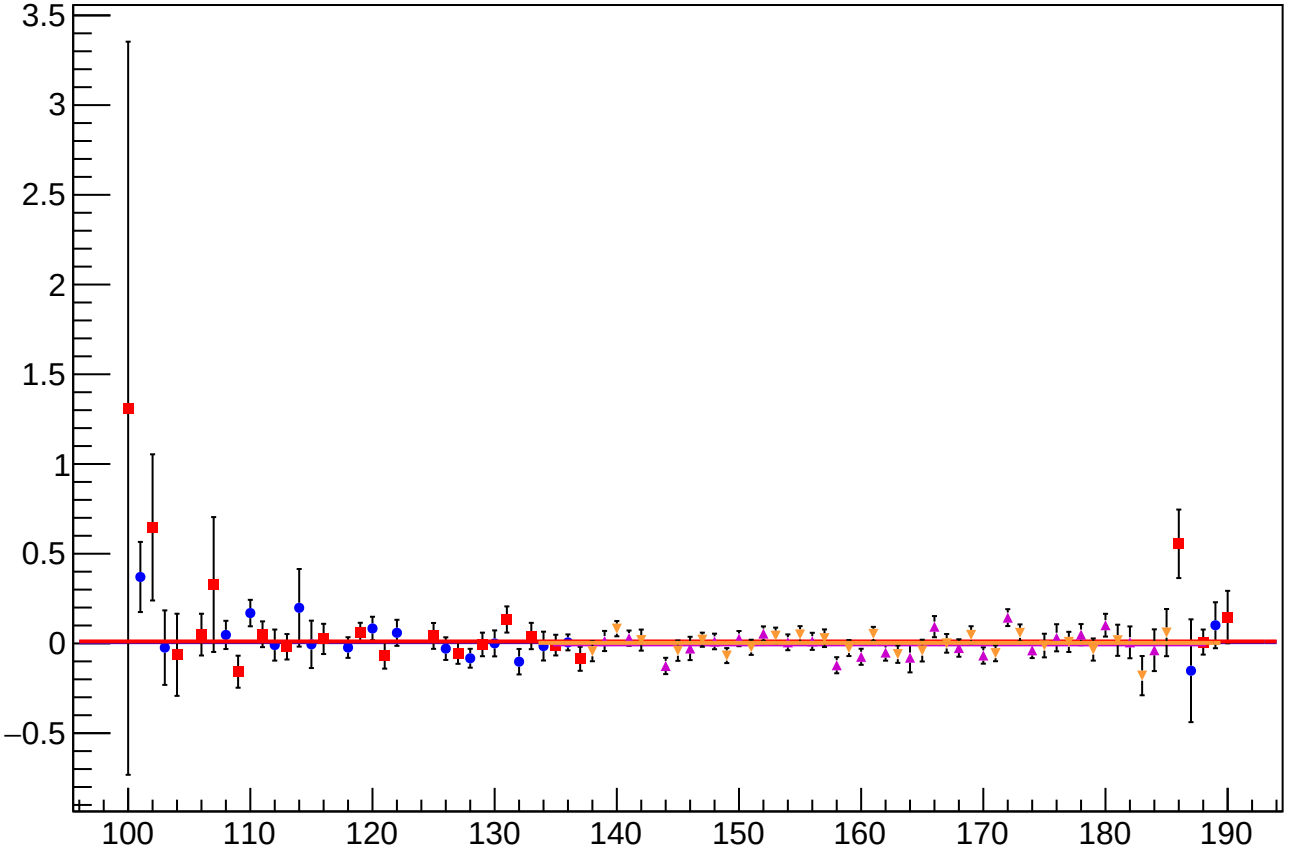
Right: 43.621+/-0.009 χ^2/NDF: 3750793.6/38

In: 41.619+/-0.006 χ^2/NDF:2704368.0/40

Out: 41.235+/-0.006 χ^2/NDF:3547392.8/44

All: 41.424+/-0.005 χ^2/NDF: 6253569.6/85

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

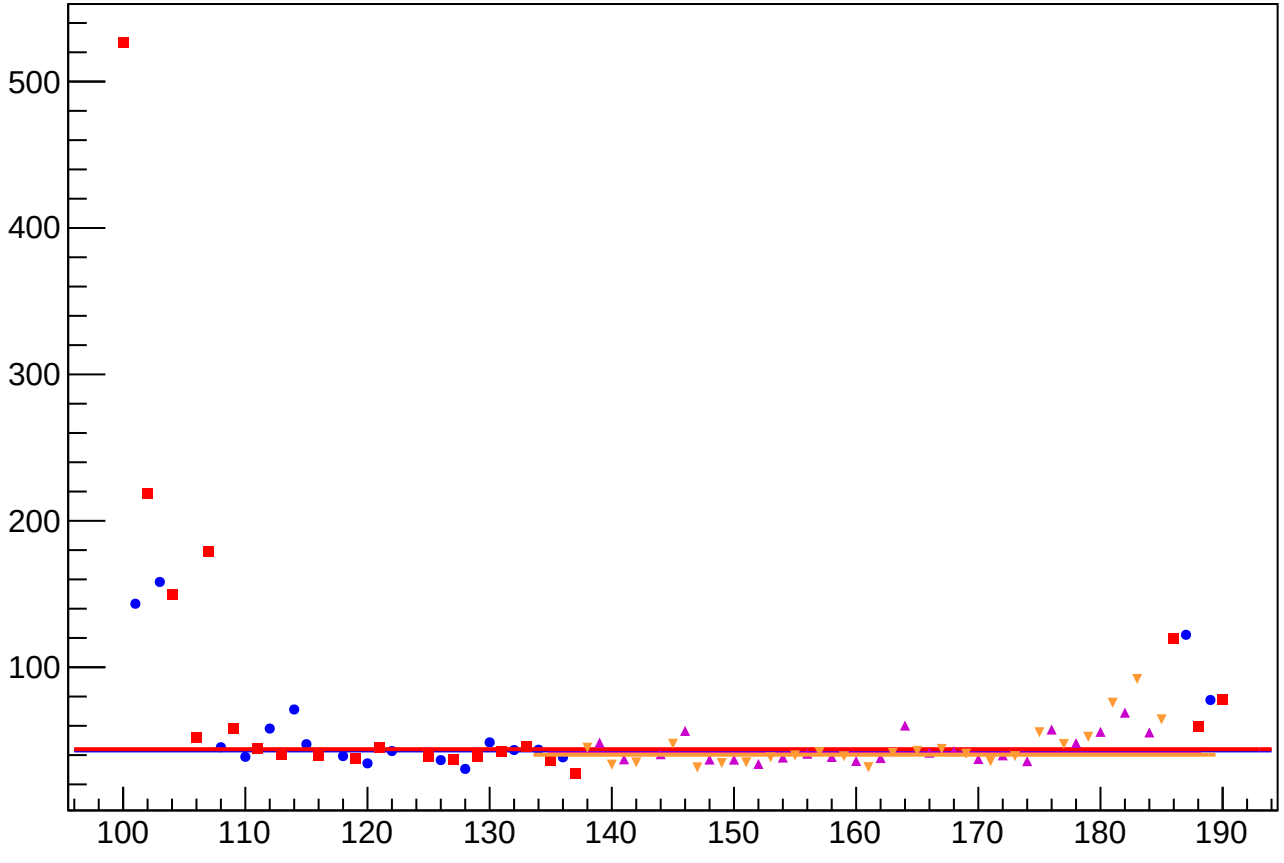
Right: 0.009+/-0.013 χ^2/NDF: 43.5/38

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.002+/-0.006 χ^2/NDF: 107.6/85

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

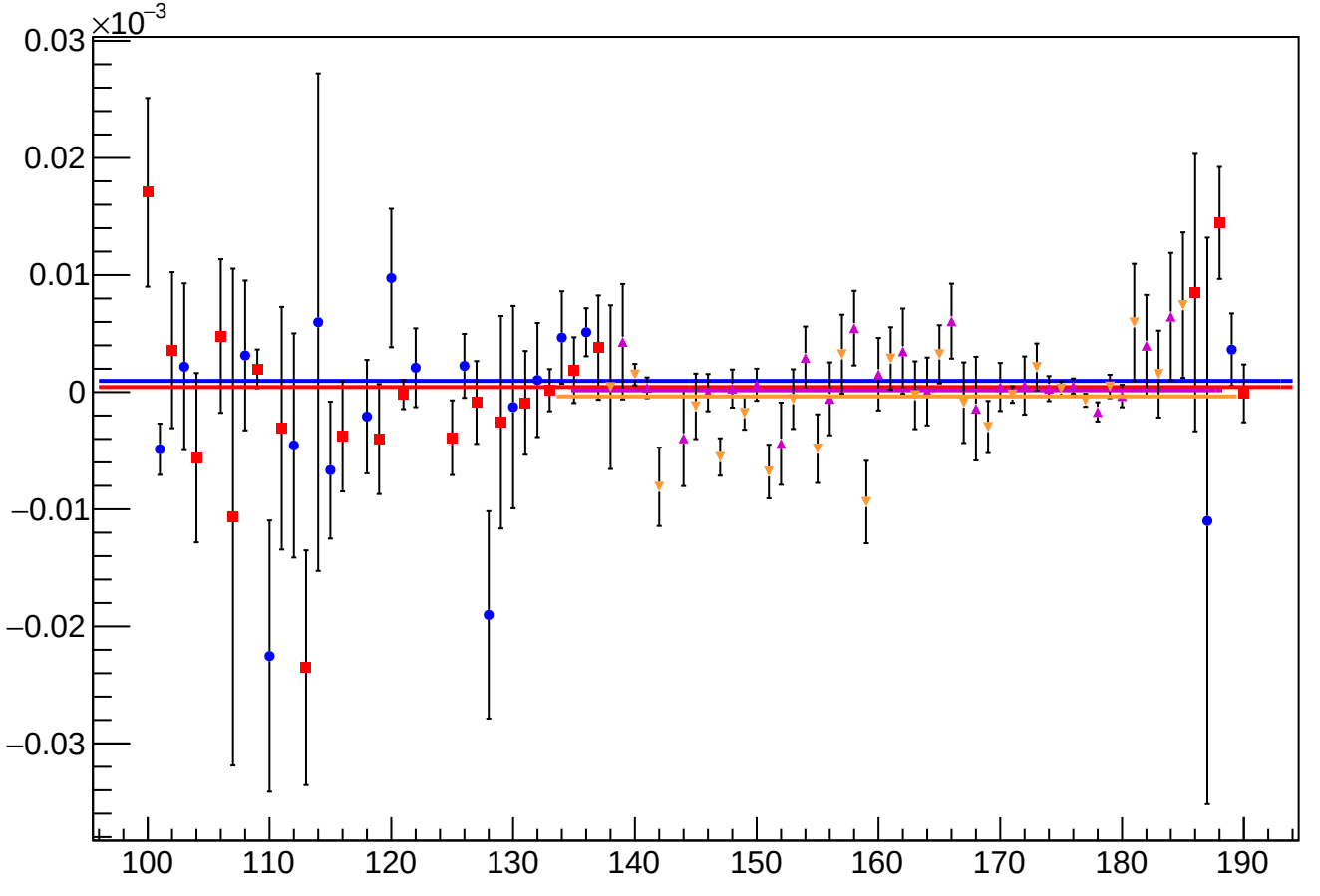
Right: 43.621+/-0.009 χ^2/NDF: 3750793.6/38

In: 41.619+/-0.006 χ^2/NDF:2704368.0/40

Out: 41.235+/-0.006 χ^2/NDF:3547392.8/44

All: 41.424+/-0.005 χ^2/NDF: 6253569.6/85

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: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

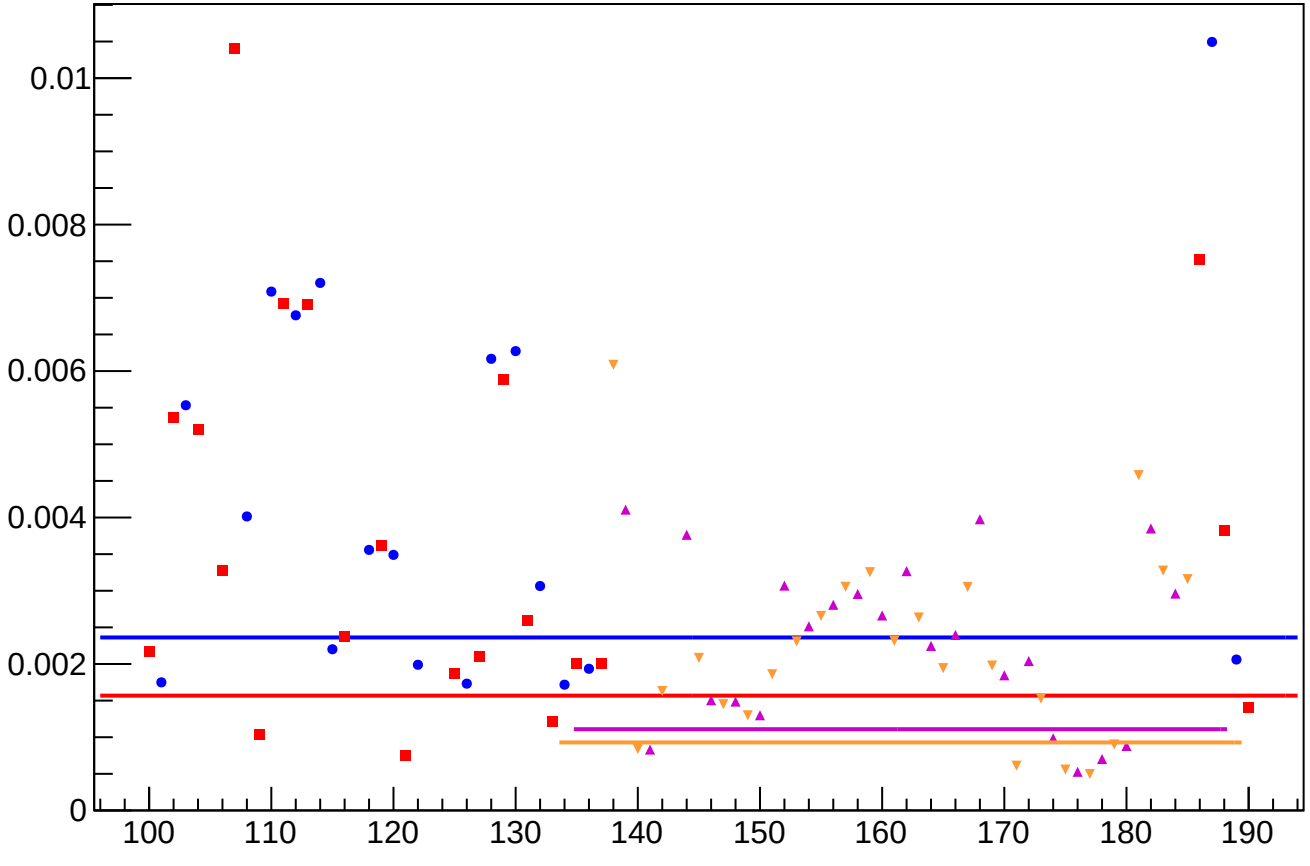
Right: 0.000+/-0.000 χ^2/NDF: 54.5/38

In: 0.000+/-0.000 χ^2/NDF:48.1/40

Out: -0.000+/-0.000 χ^2/NDF:79.1/44

All: -0.000+/-0.000 χ^2/NDF: 128.6/85

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3078158.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 5976512.3/20

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

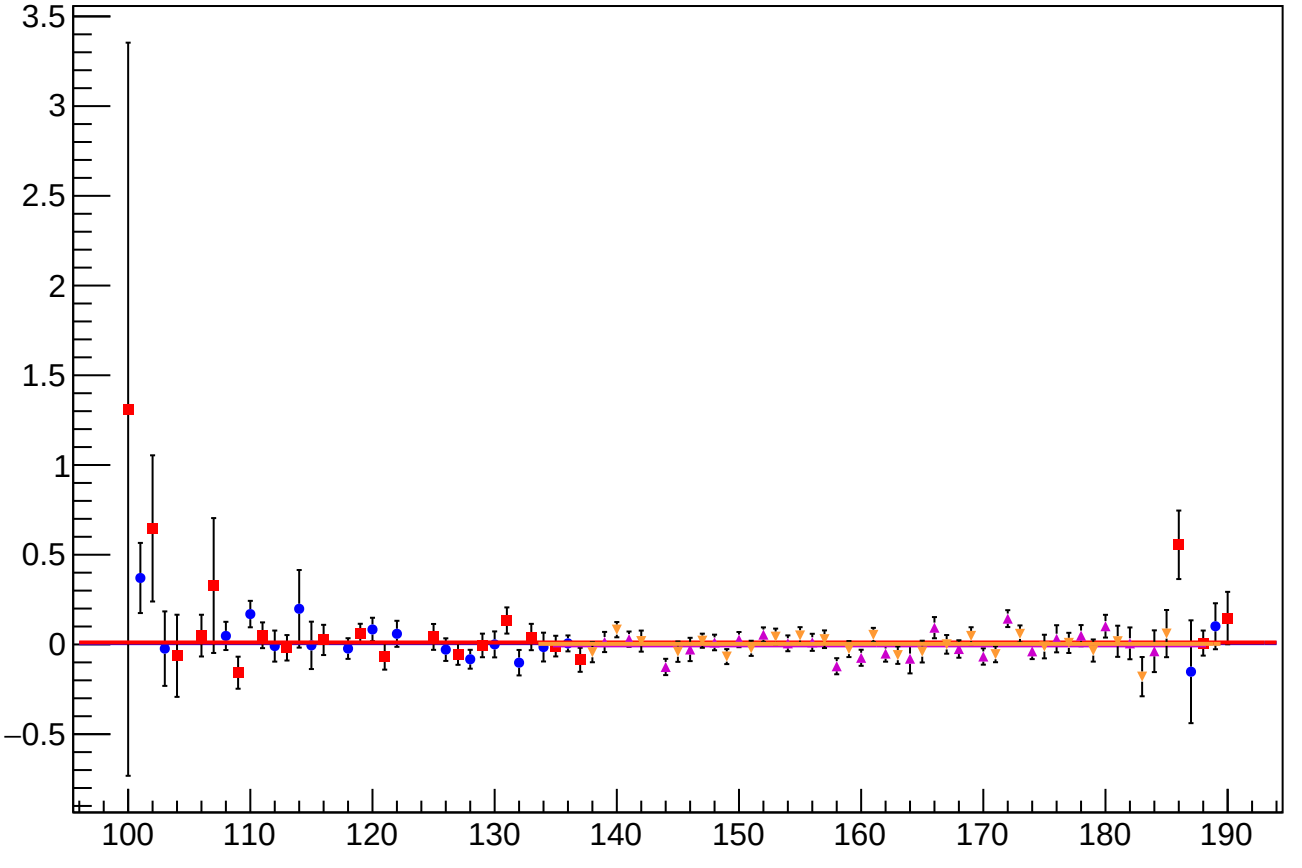
Right: 0.002+/-0.000 χ^2/NDF: 9955871.0/38

In: 0.001+/-0.000 χ^2/NDF:17040040.5/40

Out: 0.001+/-0.000 χ^2/NDF:20043145.7/44

All: 0.001+/-0.000 χ^2/NDF: 37657609.1/85

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

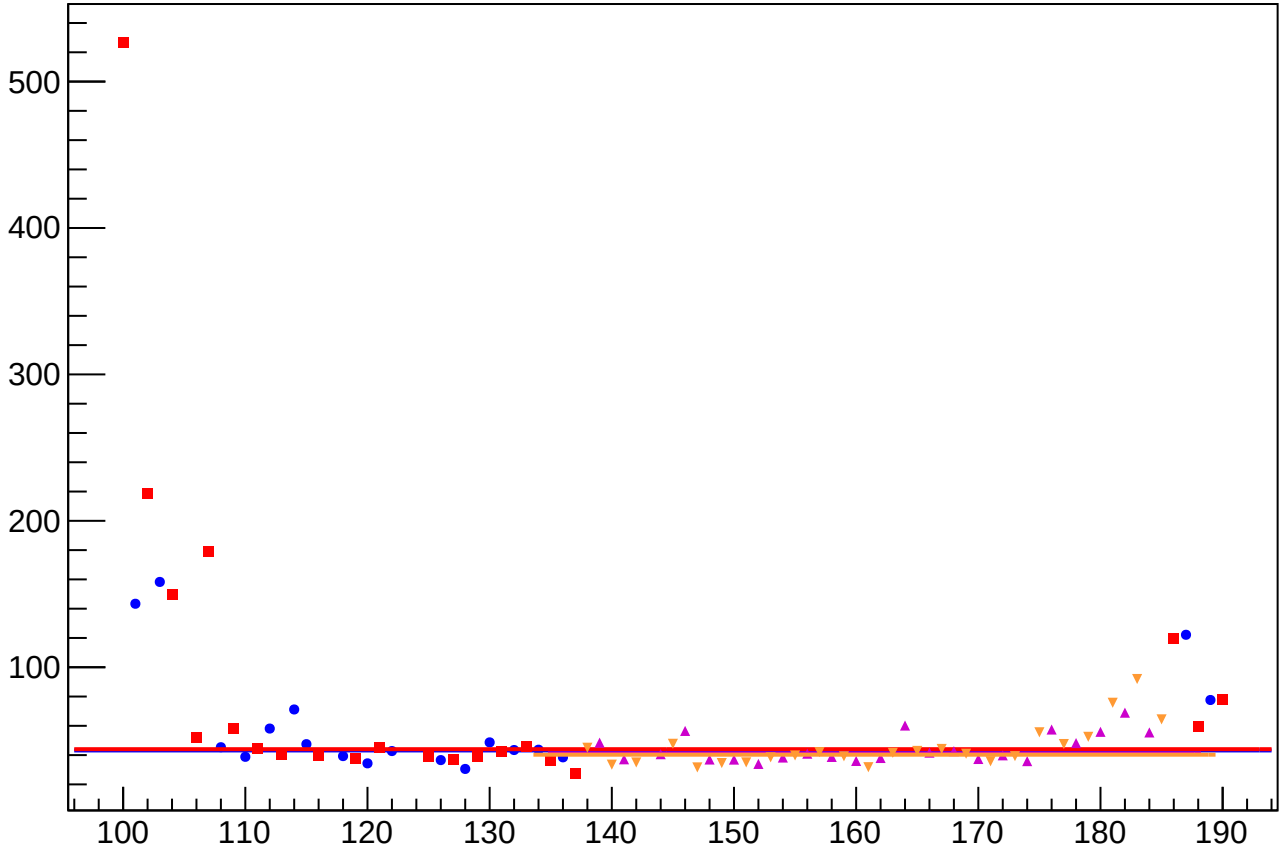
Right: 0.009+/-0.013 χ^2/NDF: 43.5/38

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.002+/-0.006 χ^2/NDF: 107.6/85

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.184+/-0.013 χ^2/NDF: 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 44.043+/-0.013 χ^2/NDF: 1991236.4/20

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

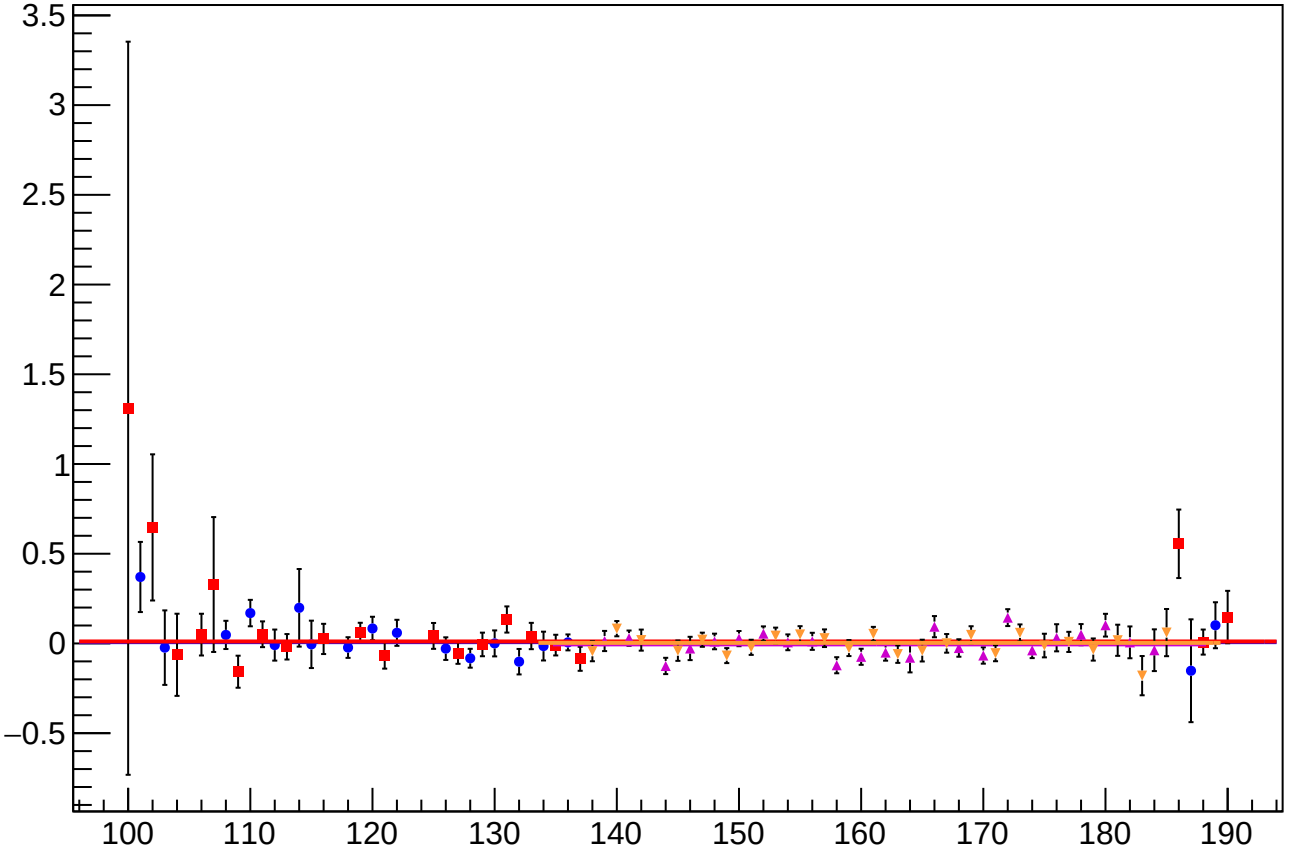
Right: 43.620+/-0.009 χ^2/NDF: 3751063.3/38

In: 41.619+/-0.006 χ^2/NDF:2704611.9/40

Out: 41.235+/-0.006 χ^2/NDF:3547392.5/44

All: 41.424+/-0.005 χ^2/NDF: 6253805.7/85

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

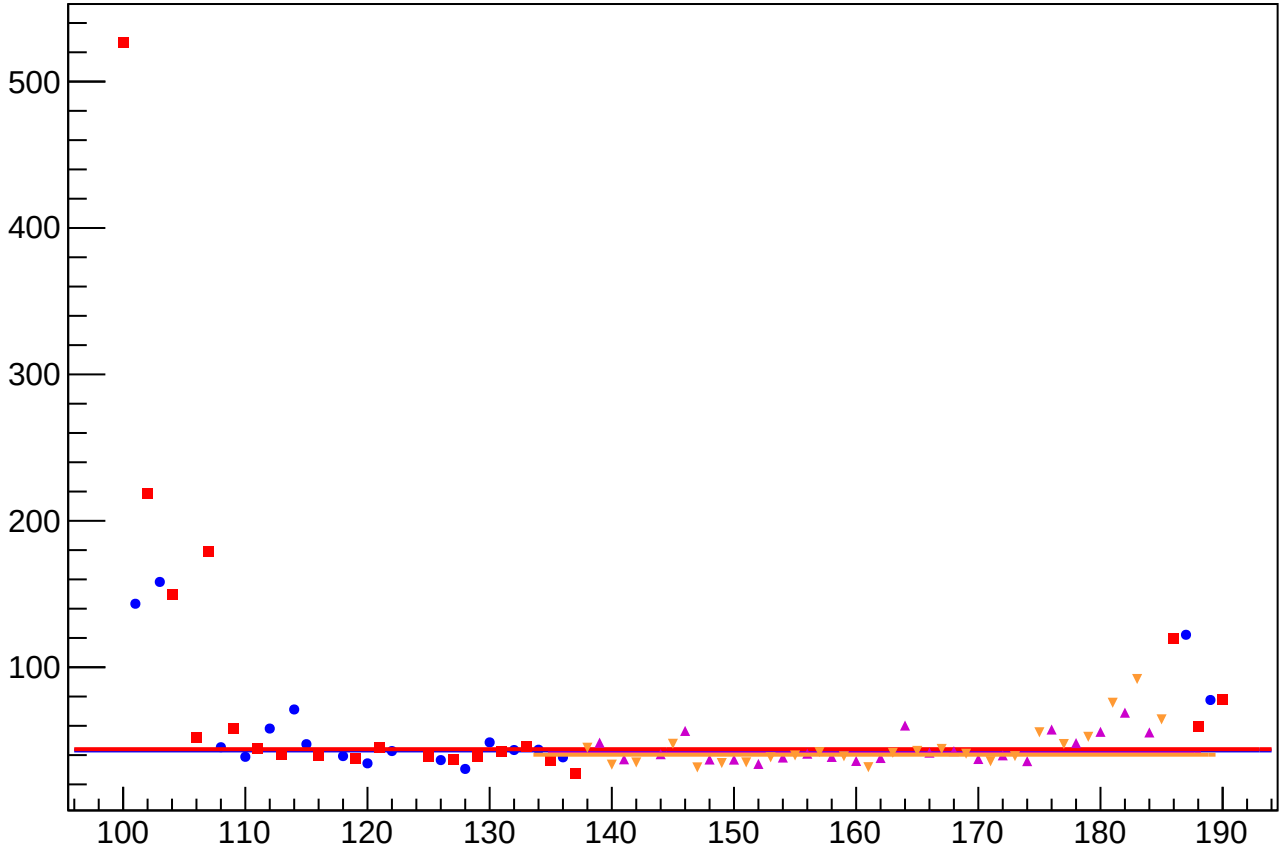
Right: 0.009+/-0.013 χ^2/NDF: 43.5/38

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.002+/-0.006 χ^2/NDF: 107.6/85

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.184+/-0.013 χ^2/NDF: 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 44.043+/-0.013 χ^2/NDF: 1991236.4/20

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

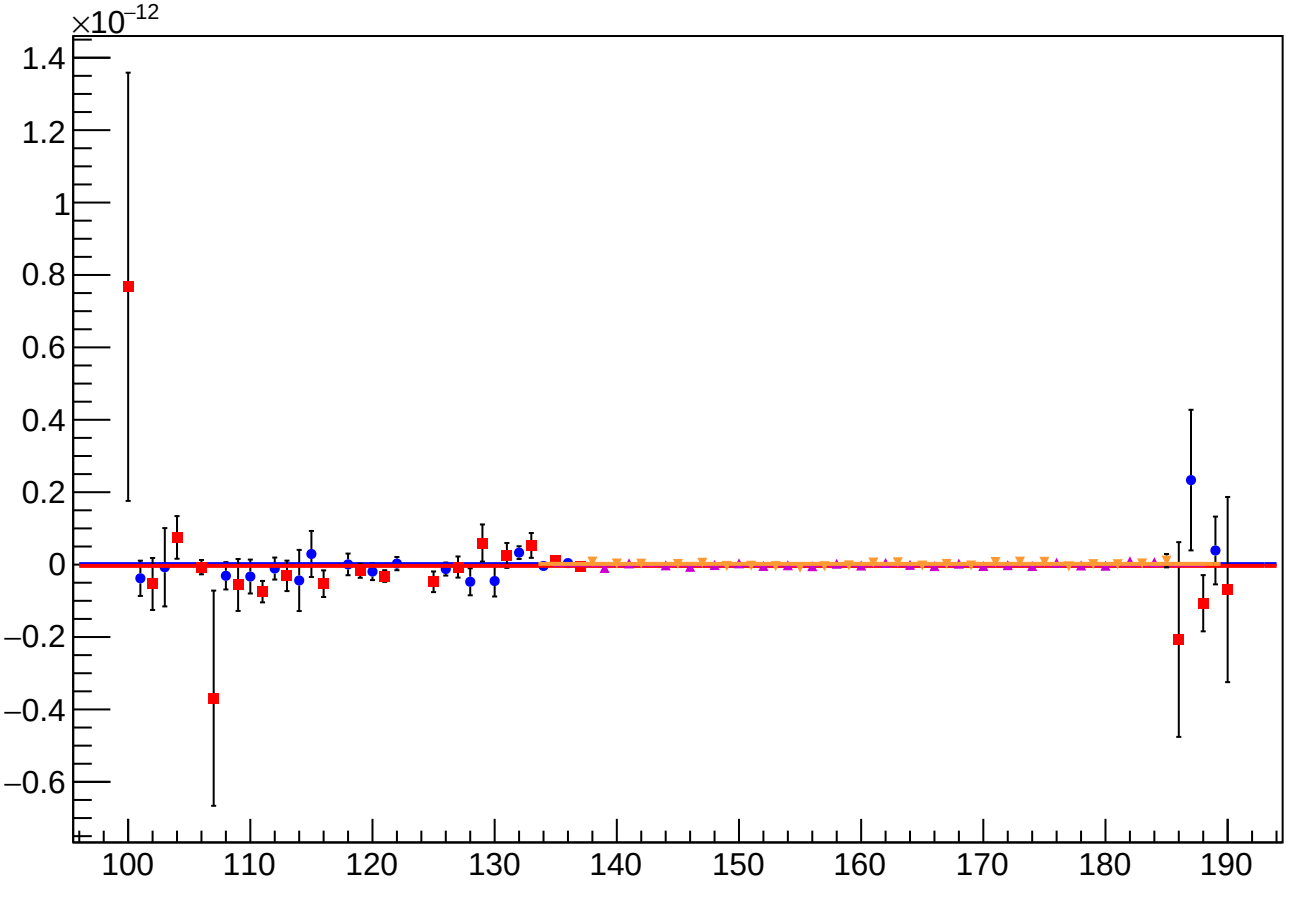
Right: 43.620+/-0.009 χ^2/NDF: 3751063.3/38

In: 41.619+/-0.006 χ^2/NDF:2704611.9/40

Out: 41.235+/-0.006 χ^2/NDF:3547392.5/44

All: 41.424+/-0.005 χ^2/NDF: 6253805.7/85

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: 12.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/20

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

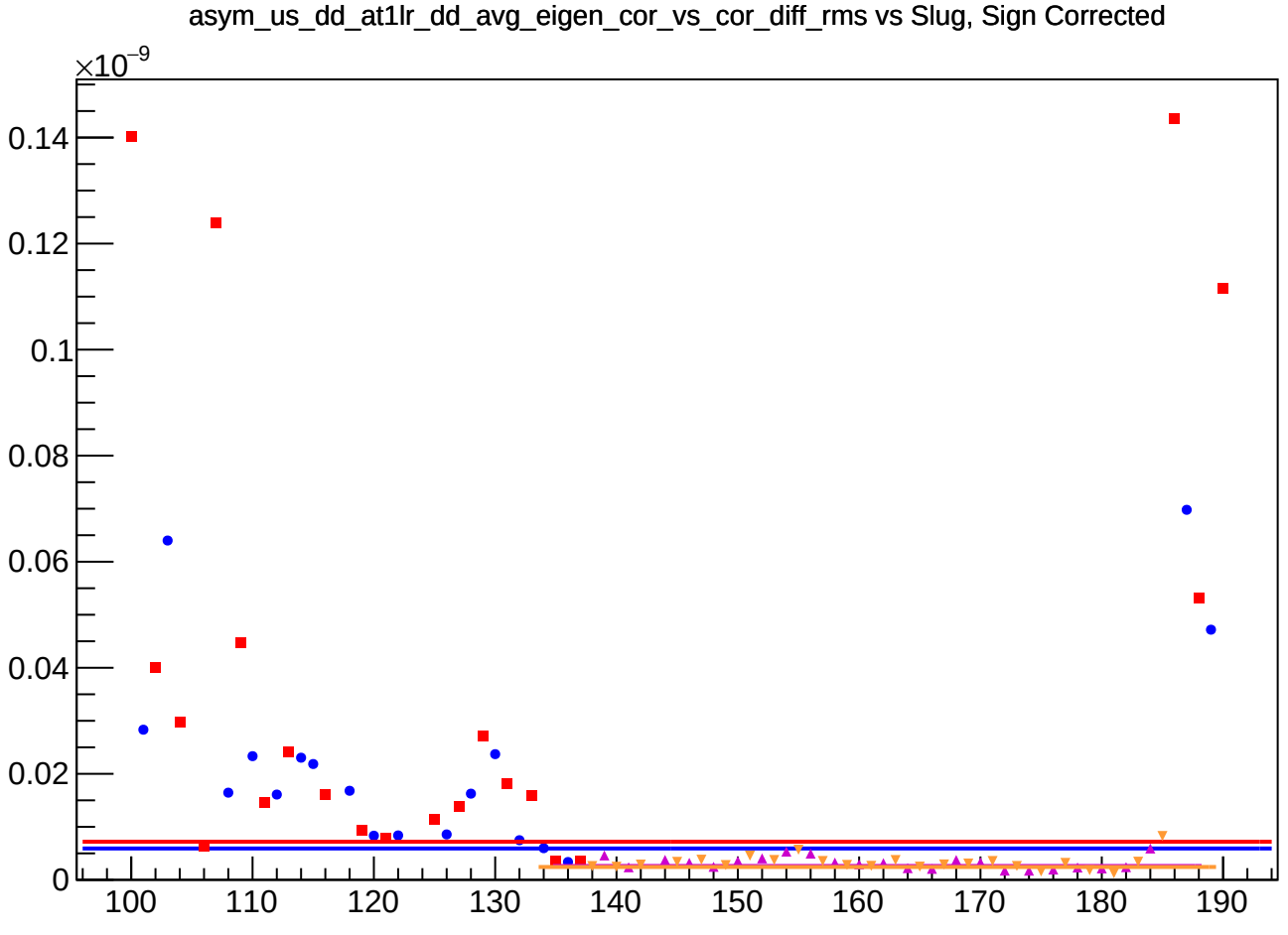
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

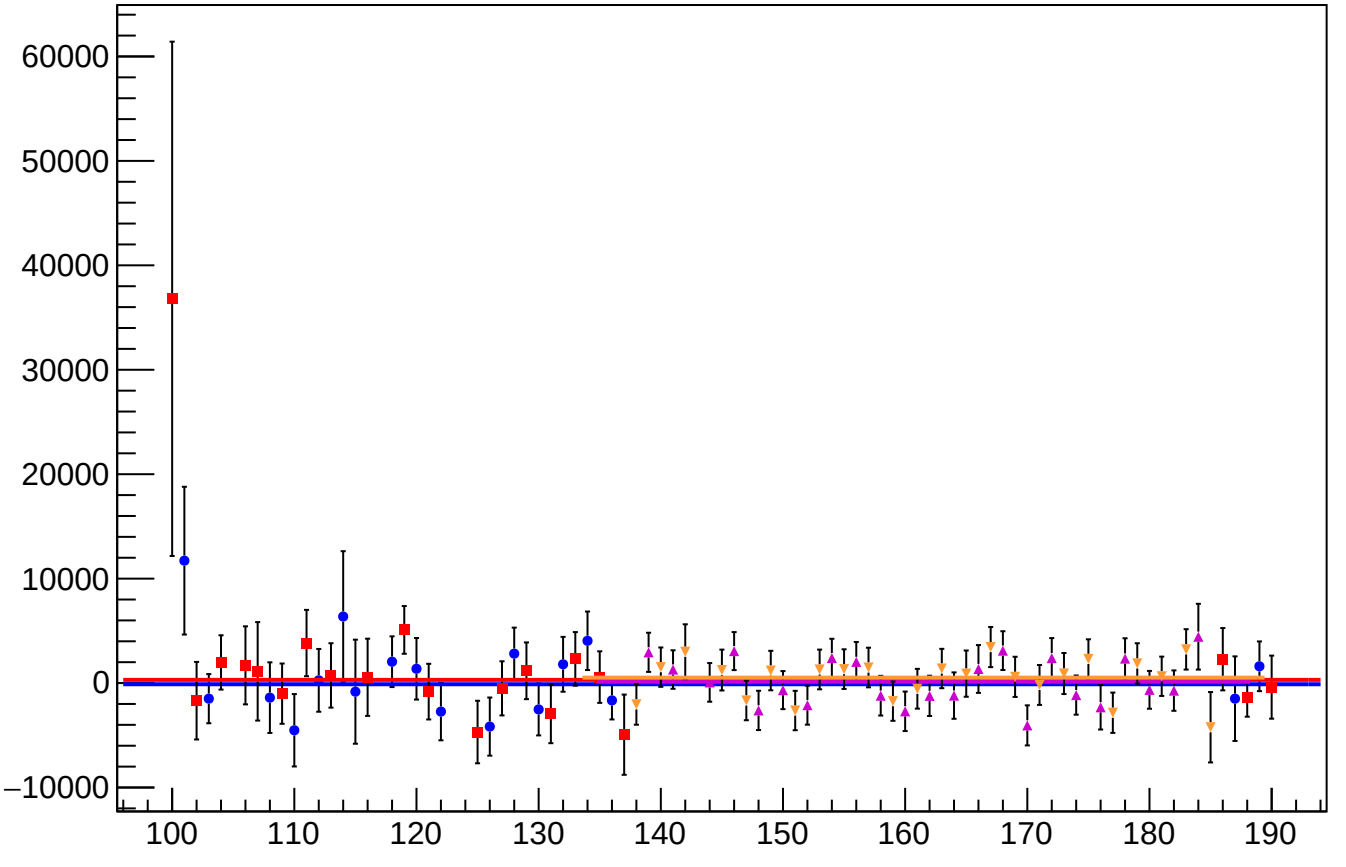
Right: -0.000+/-0.000 χ^2/NDF: 44.0/38

In: -0.000+/-0.000 χ^2/NDF:35.4/40

Out: 0.000+/-0.000 χ^2/NDF:57.7/44

All: 0.000+/-0.000 χ^2/NDF: 96.4/85


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3902478.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5345176.2/20
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: 9333909.3/38
In: 0.000+/-0.000 χ²/NDF:7205776.4/40
Out: 0.000+/-0.000 χ²/NDF:10107399.8/44
All: 0.000+/-0.000 χ²/NDF: 17375267.4/85



Right In: -112.665+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 306.310+/-634.545 χ^2/NDF: 17.2/20

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

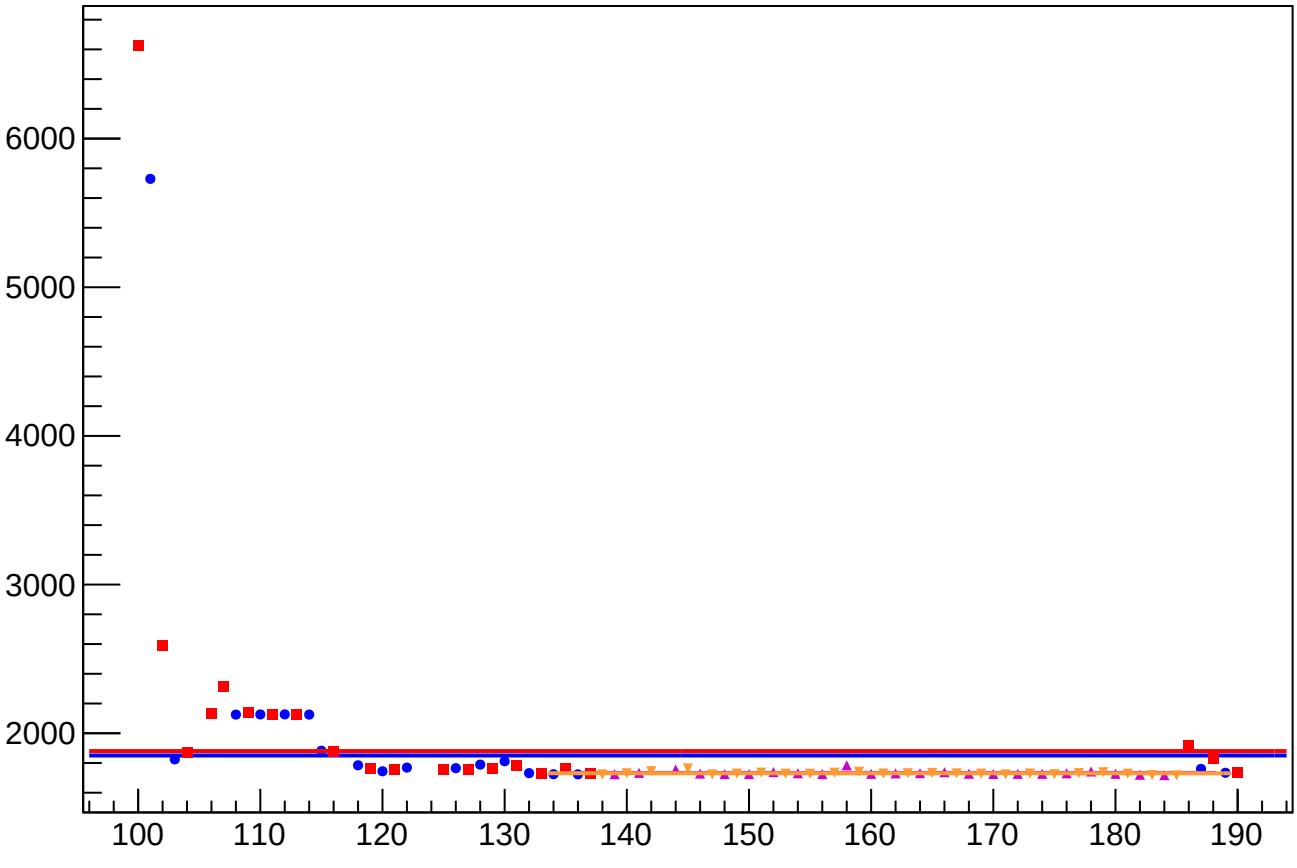
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 108.279+/-460.797 χ^2/NDF: 33.9/38

In: 62.274+/-346.401 χ^2/NDF:46.0/40

Out: 458.812+/-339.410 χ^2/NDF:38.1/44

All: 264.584+/-242.433 χ^2/NDF: 84.8/85



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.4/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1880.143+/-0.449 χ^2/NDF: 258240.9/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

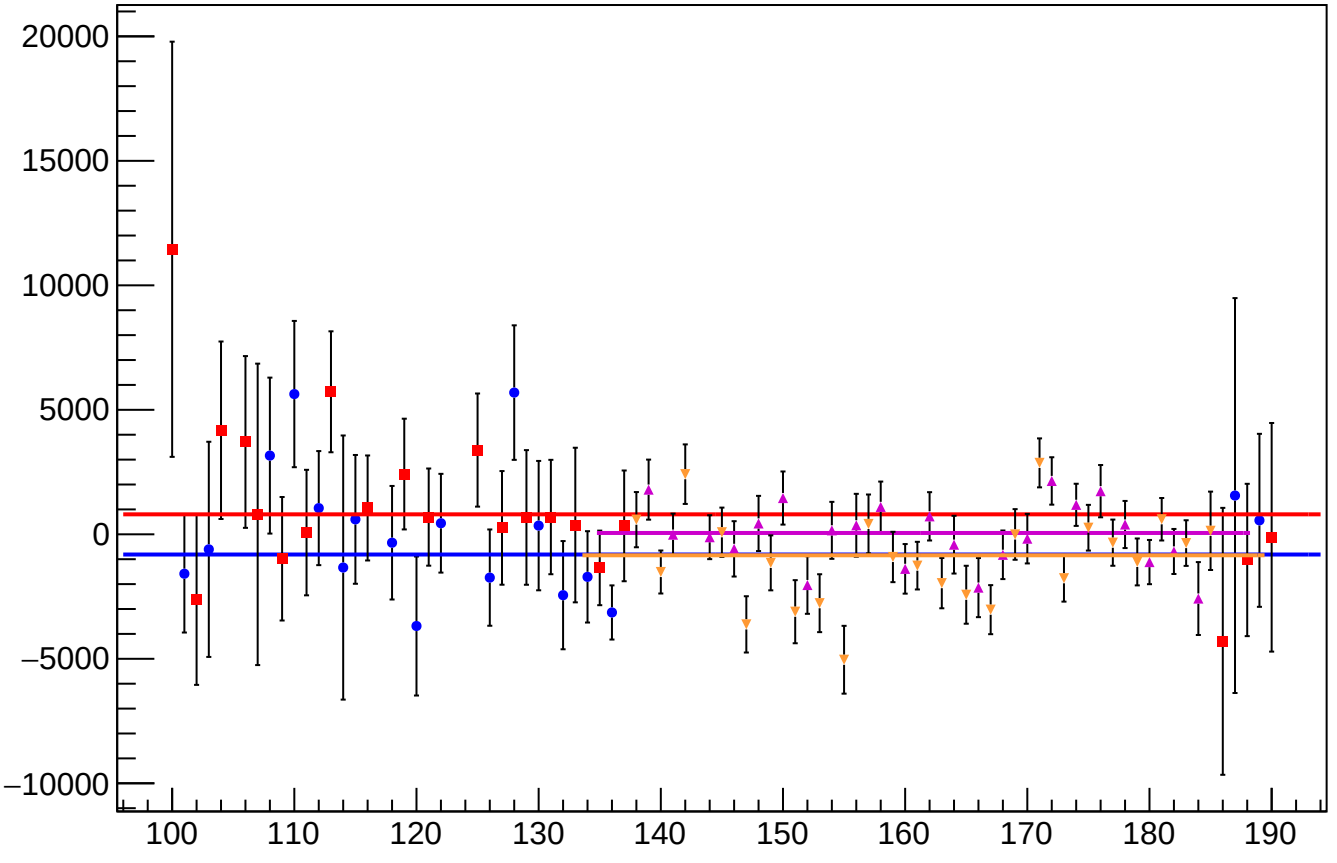
Right: 1866.116+/-0.326 χ^2/NDF: 941446.9/38

In: 1764.381+/-0.245 χ^2/NDF:728392.3/40

Out: 1773.561+/-0.240 χ^2/NDF:338248.8/44

All: 1769.065+/-0.171 χ^2/NDF: 1067357.8/85

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -811.532+/-541.766 χ^2/NDF: 20.9/17

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 802.453+/-566.002 χ^2/NDF: 14.3/20

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

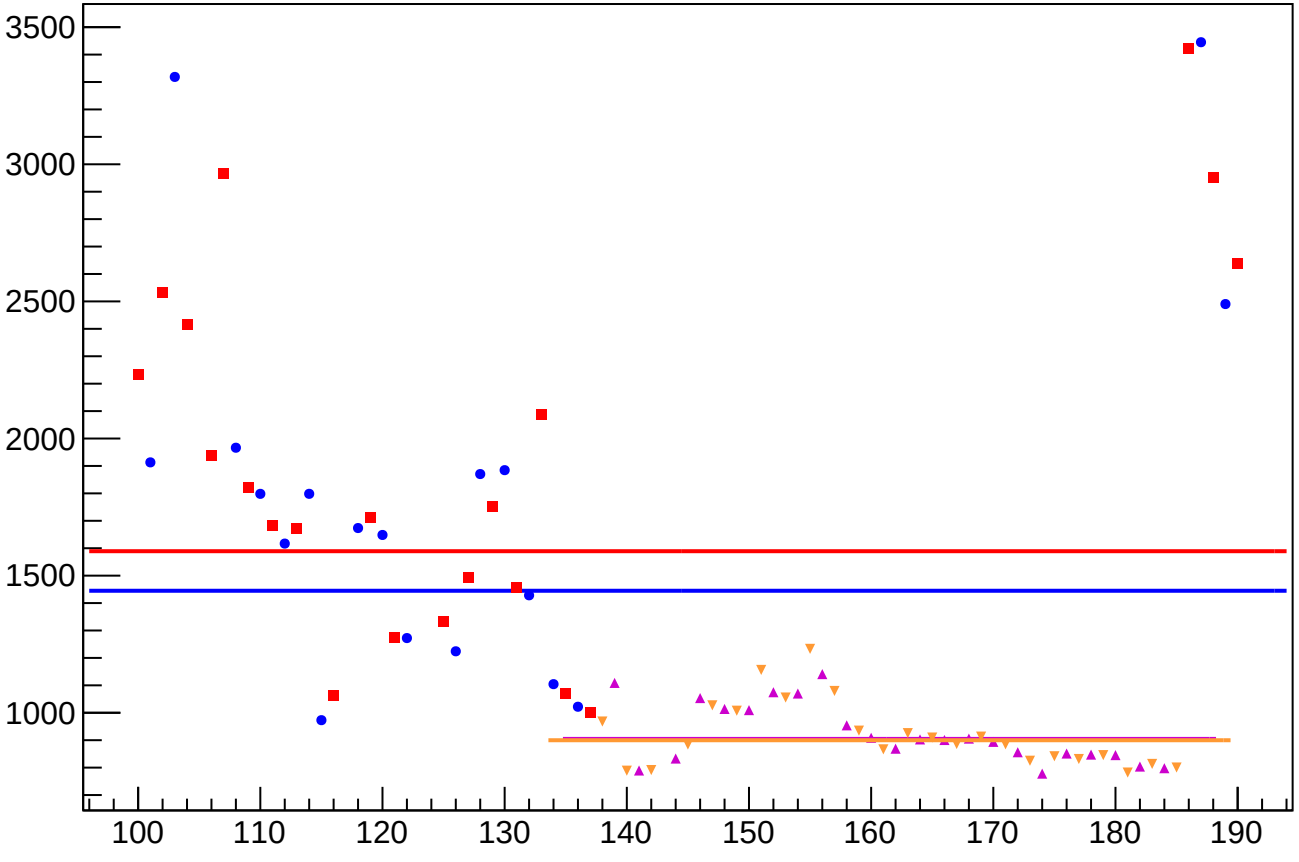
Right: -39.834+/-391.374 χ^2/NDF: 39.4/38

In: -61.927+/-198.202 χ^2/NDF:53.7/40

Out: -641.981+/-197.587 χ^2/NDF:84.4/44

All: -352.856+/-139.932 χ^2/NDF: 142.4/85

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1444.888+/-0.383 χ^2/NDF: 1484502.1/17

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1589.128+/-0.400 χ^2/NDF: 1810695.8/20

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

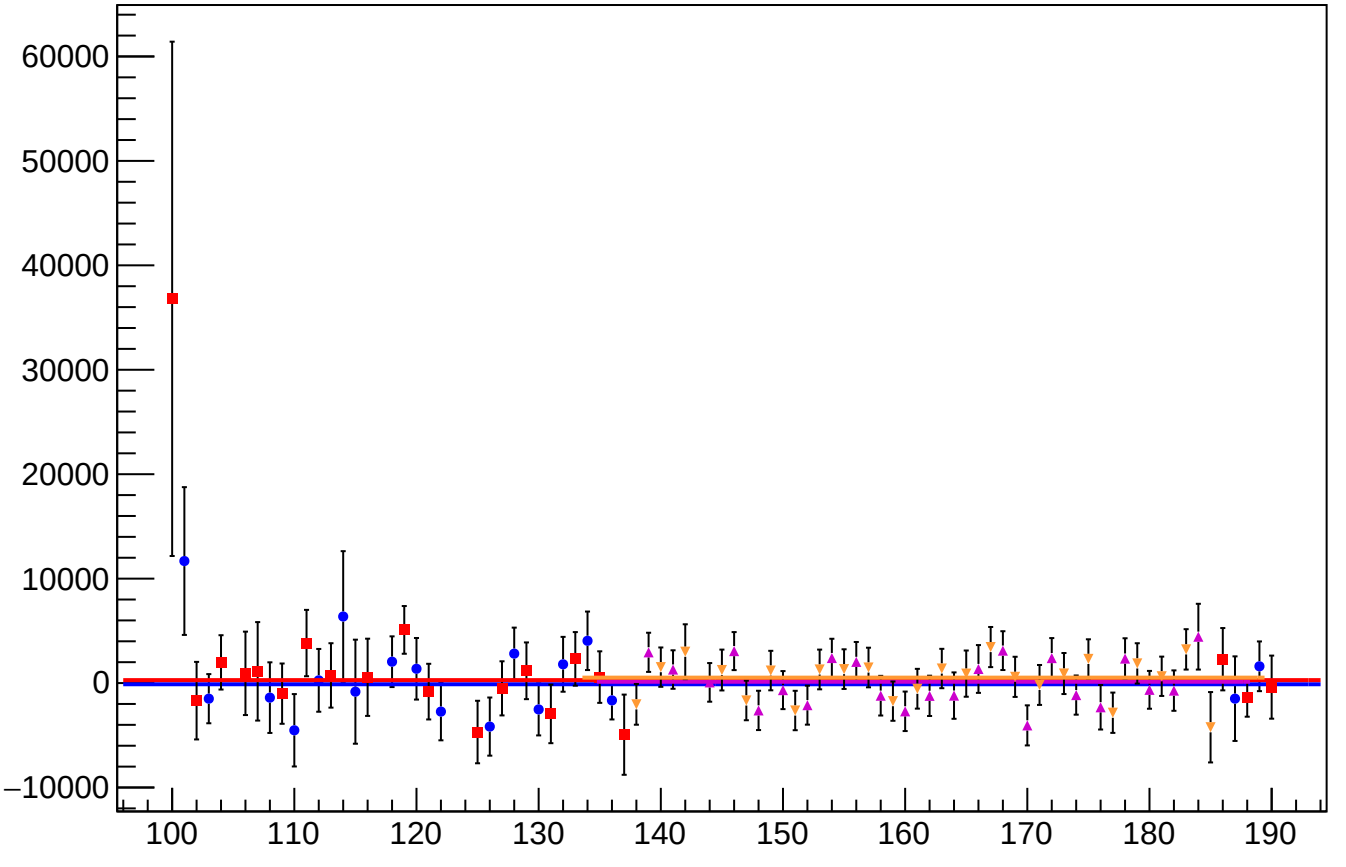
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1513.854+/-0.277 χ^2/NDF: 3362981.6/38

In: 976.962+/-0.140 χ^2/NDF:3659275.3/40

Out: 983.816+/-0.140 χ^2/NDF:4910934.7/44

All: 980.399+/-0.099 χ^2/NDF: 8571409.3/85



Right In: -113.340+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 282.330+/-635.696 χ^2/NDF: 17.1/20

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

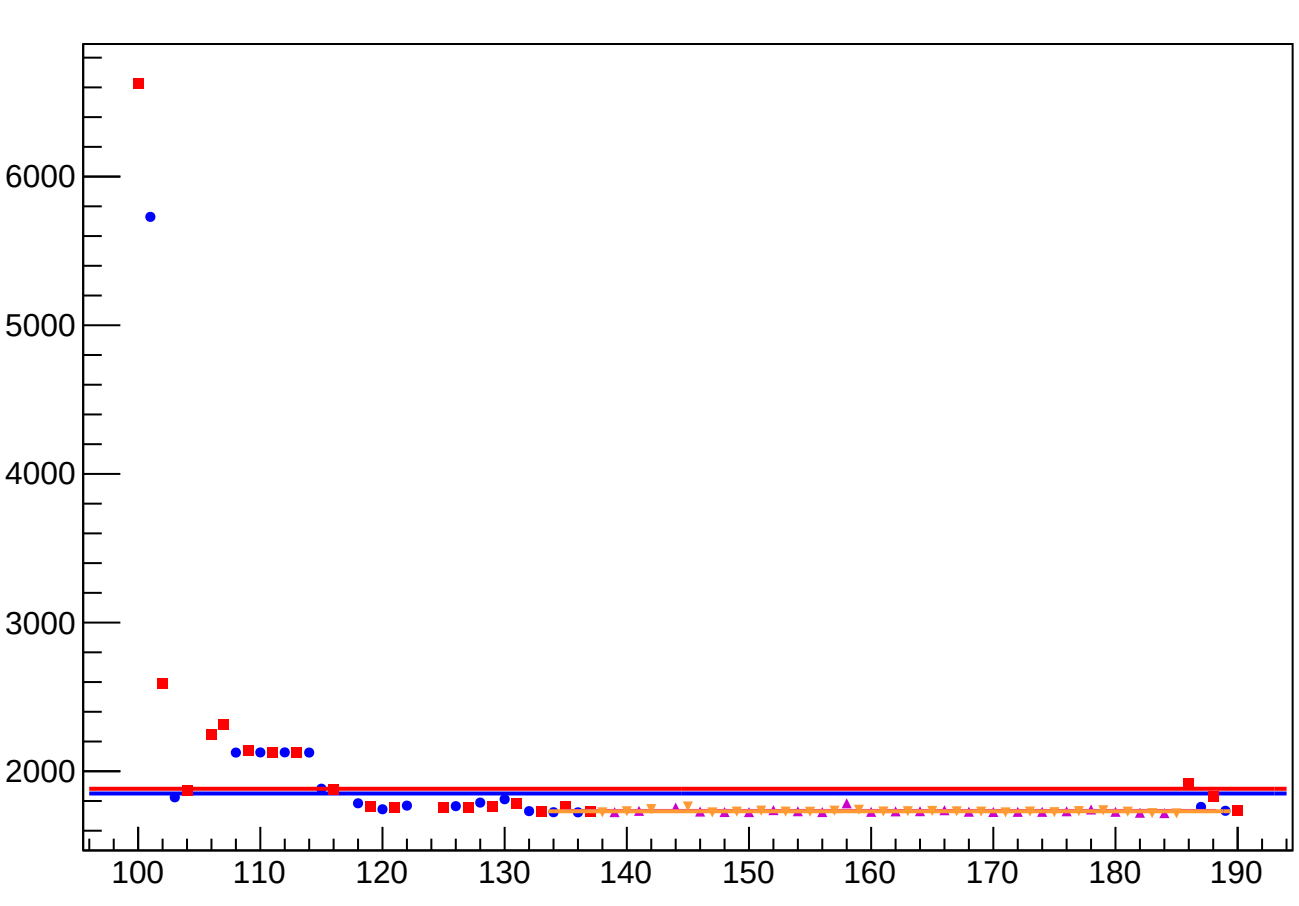
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 94.957+/-461.237 χ^2/NDF: 33.7/38

In: 62.138+/-346.401 χ^2/NDF:46.0/40

Out: 452.146+/-339.586 χ^2/NDF:38.0/44

All: 261.016+/-242.497 χ^2/NDF: 84.6/85



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.3/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

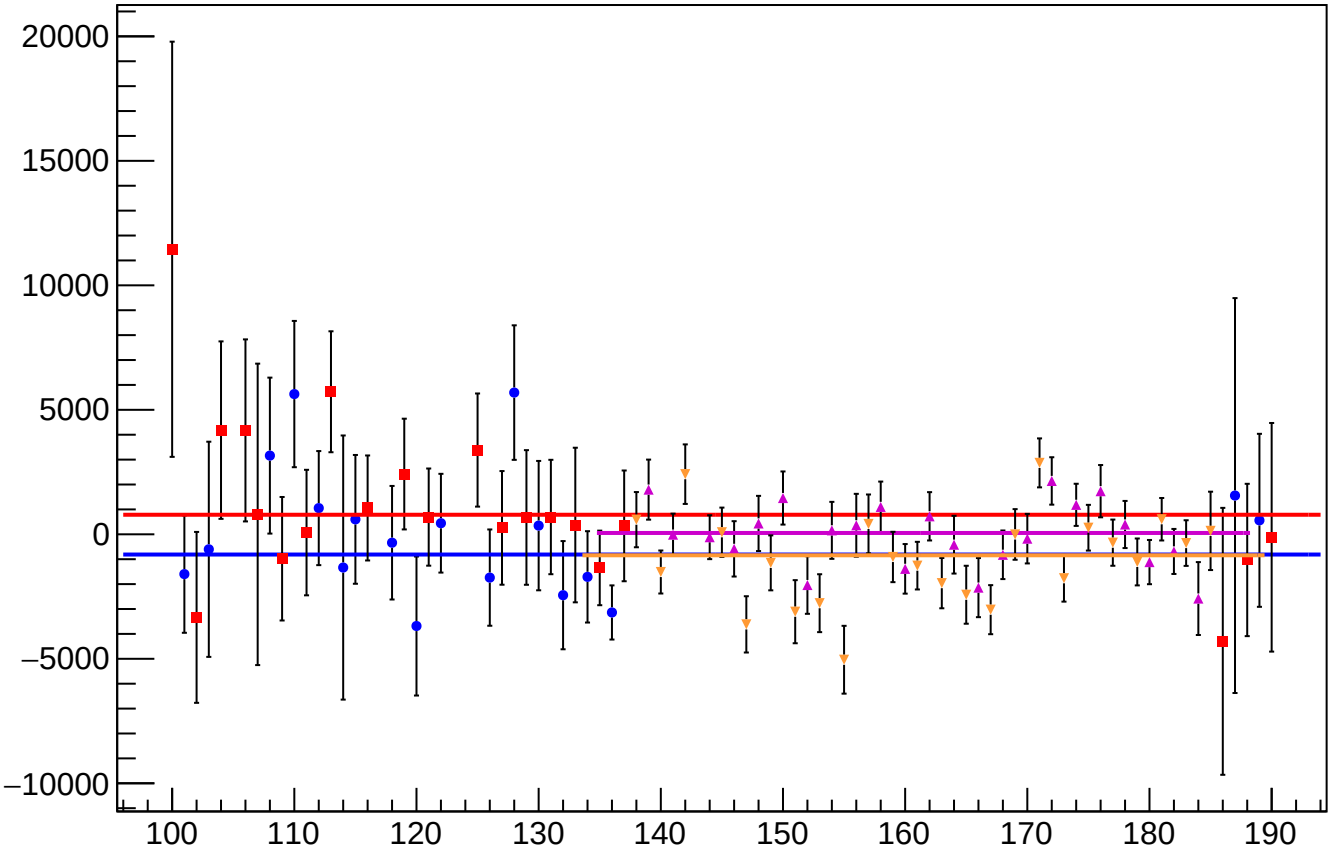
Right: 1867.164+/-0.326 χ^2/NDF: 949662.0/38

In: 1764.381+/-0.245 χ^2/NDF:728392.1/40

Out: 1774.033+/-0.240 χ^2/NDF:348139.3/44

All: 1769.303+/-0.171 χ^2/NDF: 1077323.2/85

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

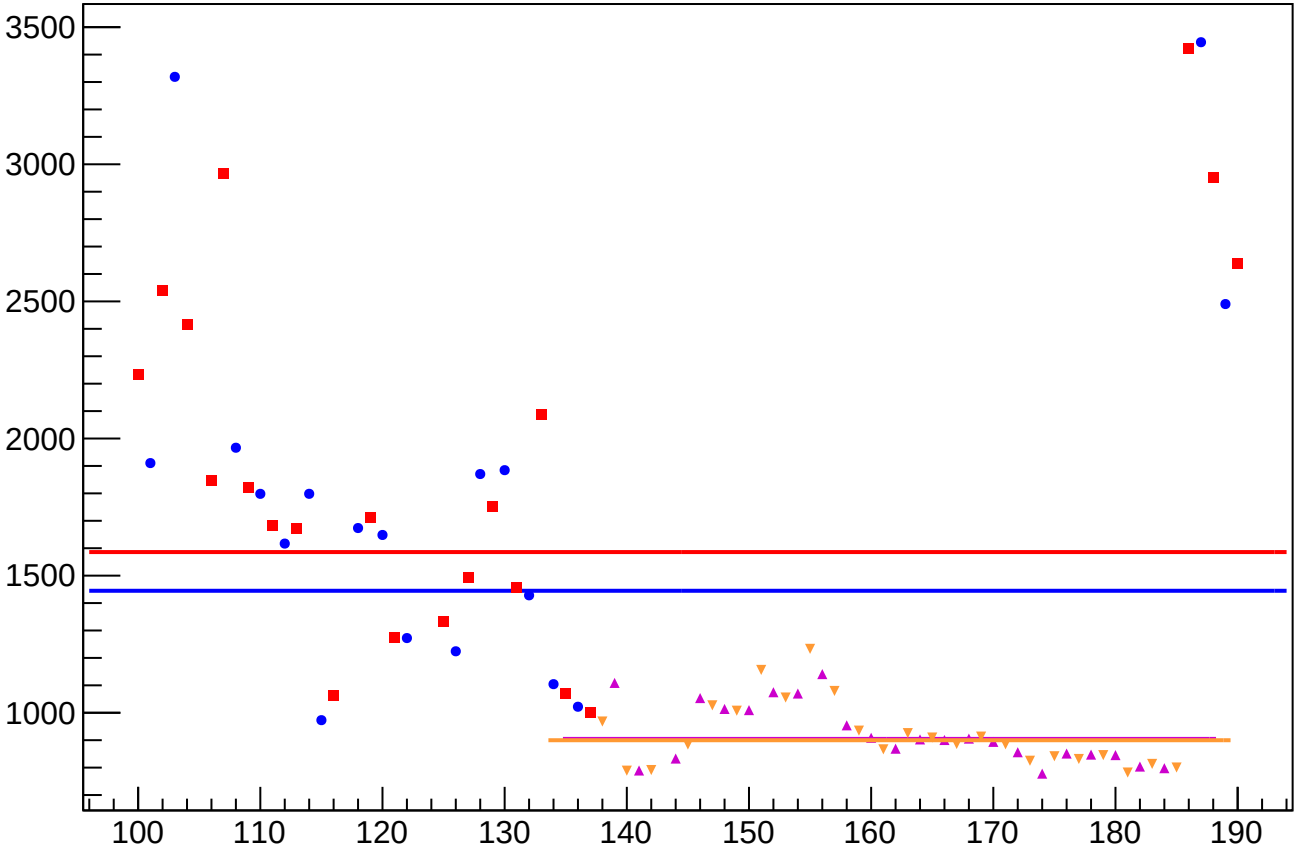
Right: -49.563+/-391.635 χ^2/NDF: 39.9/38

In: -62.030+/-198.200 χ^2/NDF:53.7/40

Out: -644.584+/-197.623 χ^2/NDF:84.8/44

All: -354.156+/-139.944 χ^2/NDF: 142.9/85

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1444.808+/-0.383 χ^2/NDF: 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1585.959+/-0.401 χ^2/NDF: 1801691.1/20

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

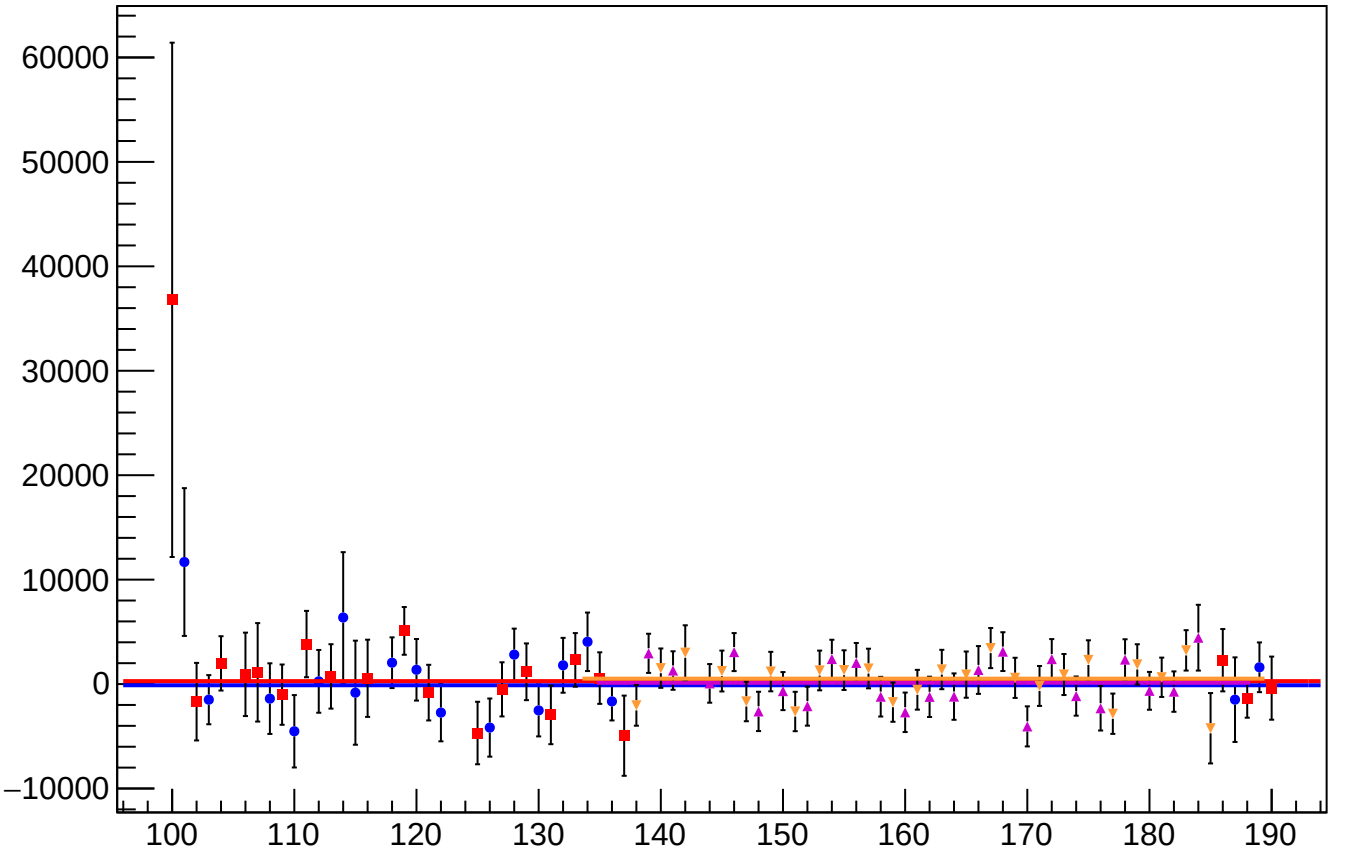
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1512.187+/-0.277 χ^2/NDF: 3350407.2/38

In: 976.958+/-0.140 χ^2/NDF:3658413.3/40

Out: 983.216+/-0.140 χ^2/NDF:4871271.4/44

All: 980.096+/-0.099 χ^2/NDF: 8530684.5/85



Right In: -113.340+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 282.330+/-635.696 χ^2/NDF: 17.1/20

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

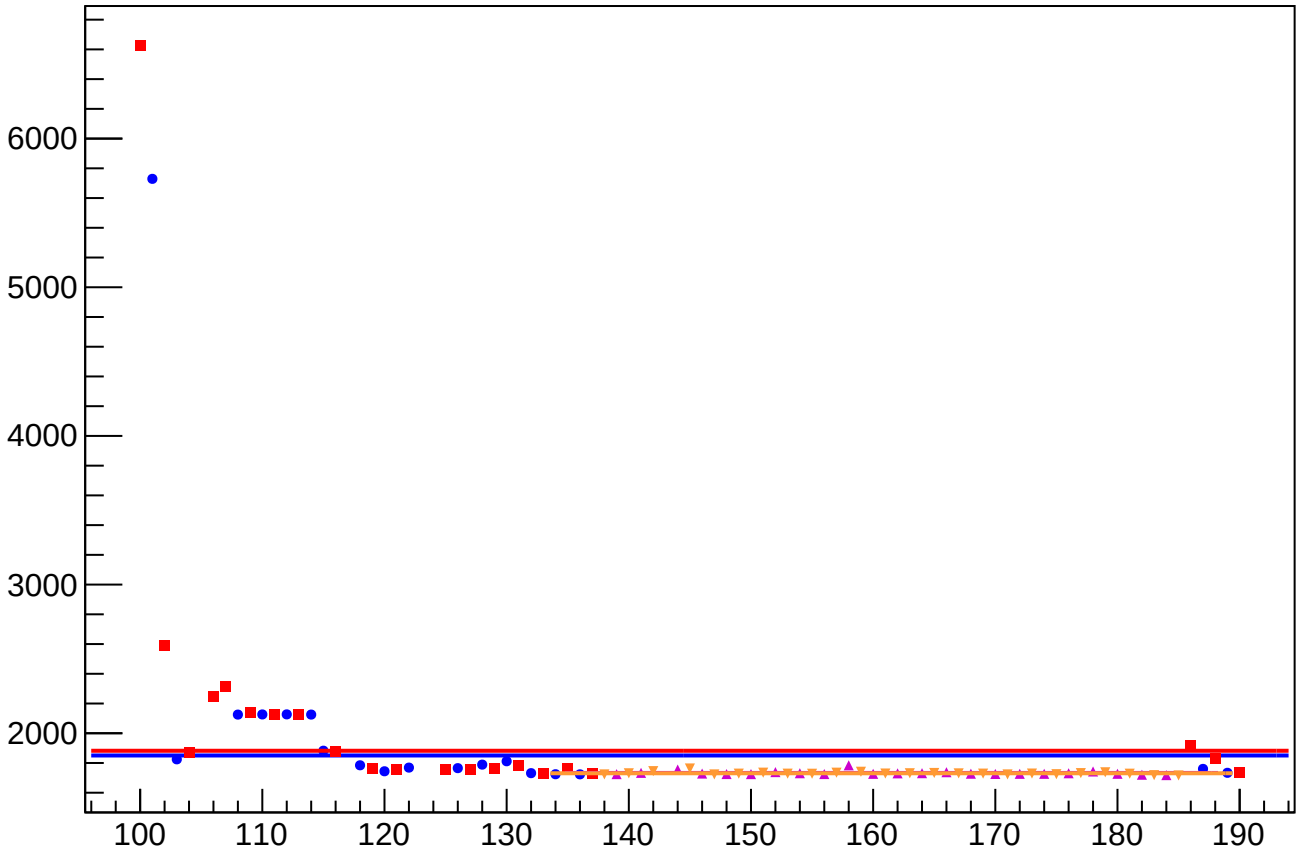
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 94.957+/-461.237 χ^2/NDF: 33.7/38

In: 62.138+/-346.401 χ^2/NDF:46.0/40

Out: 452.146+/-339.586 χ^2/NDF:38.0/44

All: 261.016+/-242.497 χ^2/NDF: 84.6/85



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.3/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

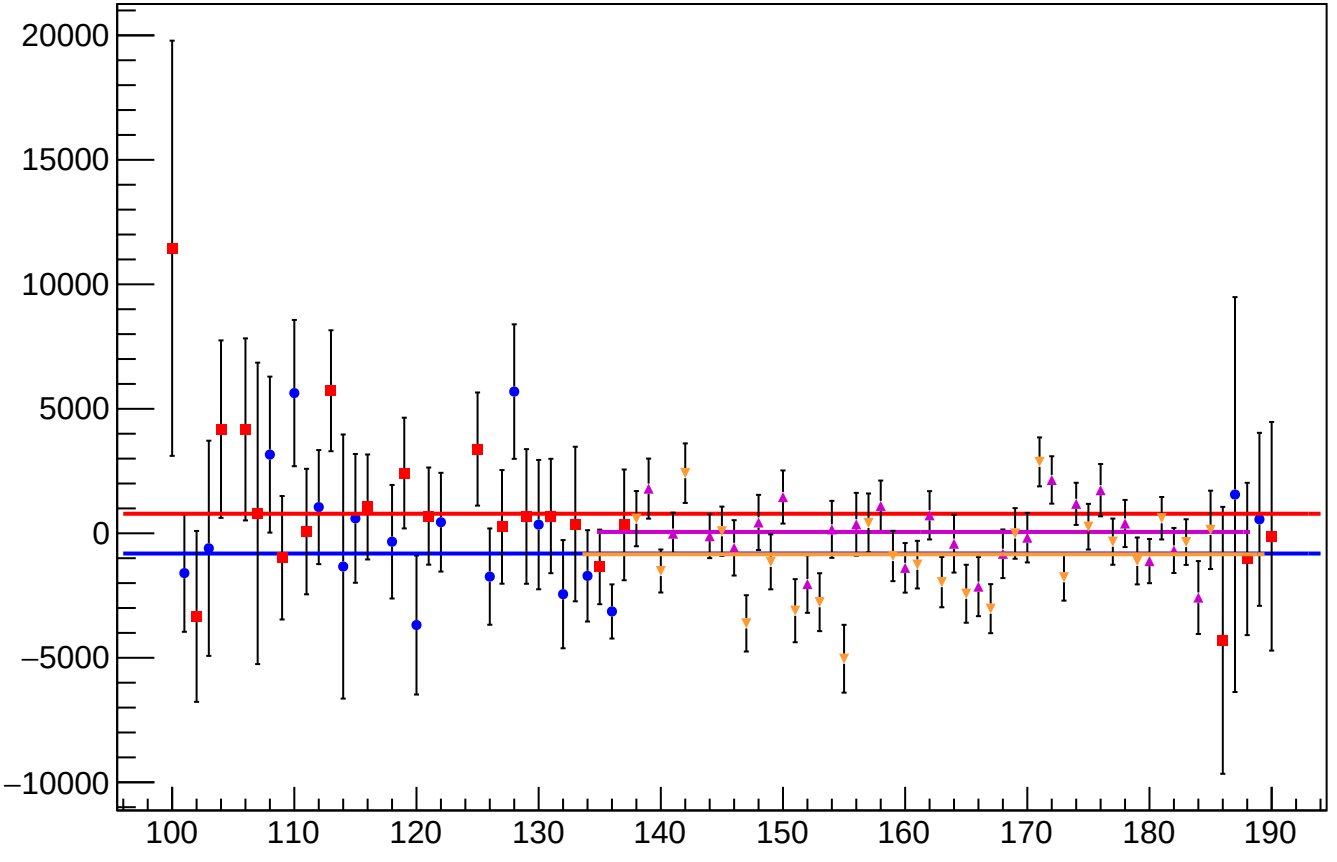
Right: 1867.164+/-0.326 χ^2/NDF: 949662.0/38

In: 1764.381+/-0.245 χ^2/NDF:728392.1/40

Out: 1774.033+/-0.240 χ^2/NDF:348139.3/44

All: 1769.303+/-0.171 χ^2/NDF: 1077323.2/85

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

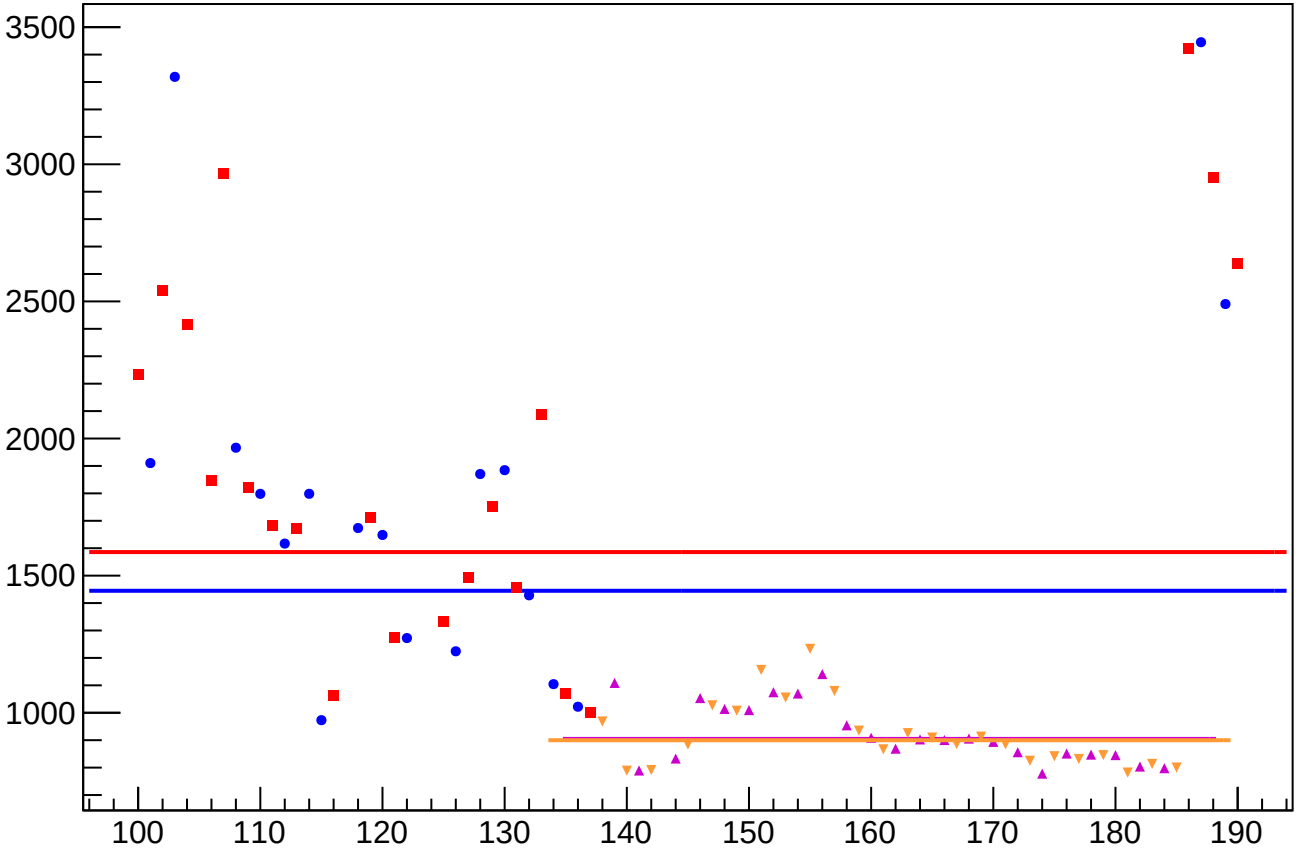
Right: -49.563+/-391.635 χ^2/NDF: 39.9/38

In: -62.030+/-198.200 χ^2/NDF:53.7/40

Out: -644.584+/-197.623 χ^2/NDF:84.8/44

All: -354.156+/-139.944 χ^2/NDF: 142.9/85

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1444.808+/-0.383 χ^2/NDF: 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1585.959+/-0.401 χ^2/NDF: 1801691.1/20

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

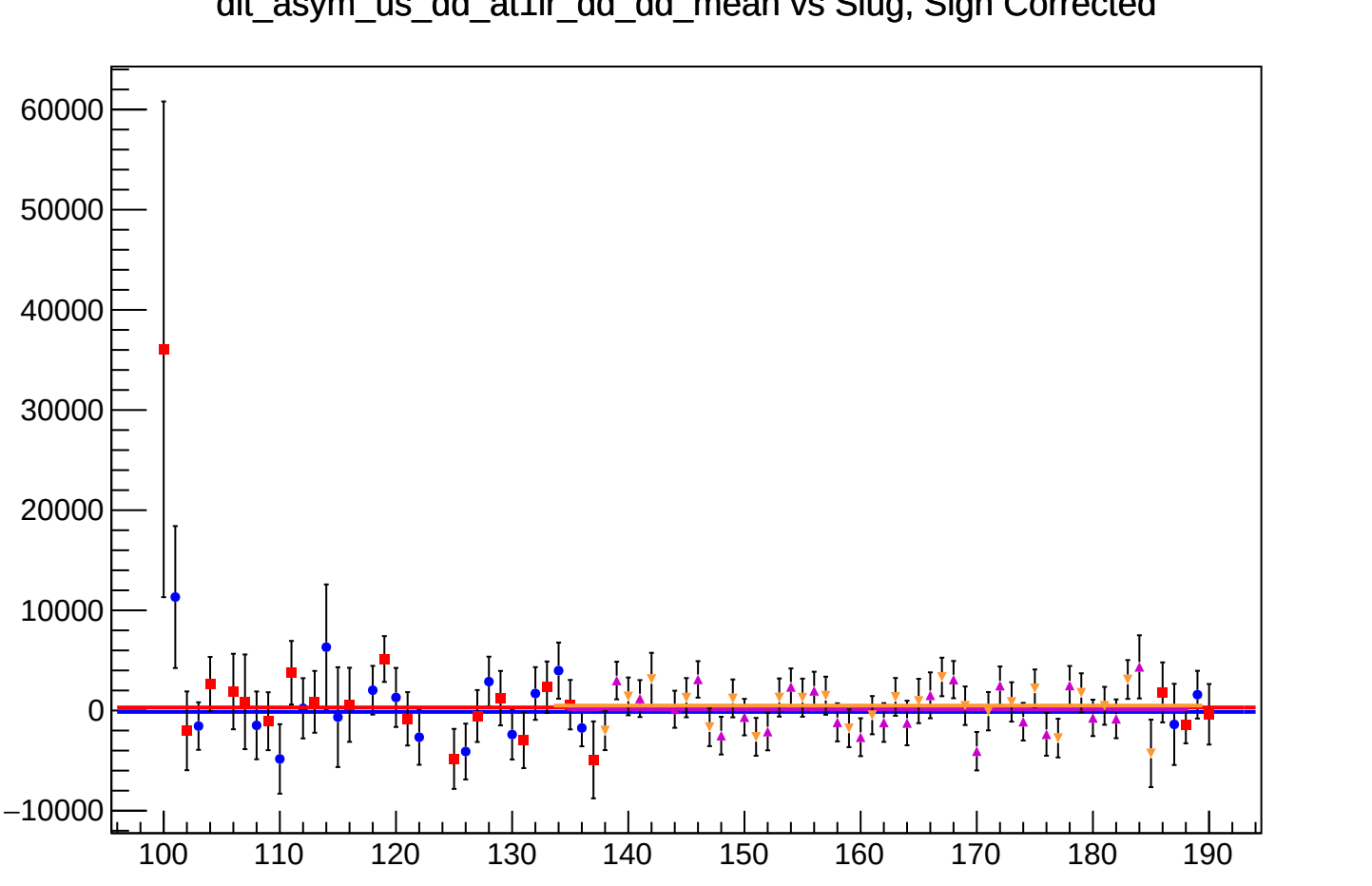
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1512.187+/-0.277 χ^2/NDF: 3350407.2/38

In: 976.958+/-0.140 χ^2/NDF:3658413.3/40

Out: 983.216+/-0.140 χ^2/NDF:4871271.4/44

All: 980.096+/-0.099 χ^2/NDF: 8530684.5/85



Right In: -137.534+/-671.004 χ^2/NDF: 16.3/17

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 307.587+/-637.520 χ^2/NDF: 17.6/20

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

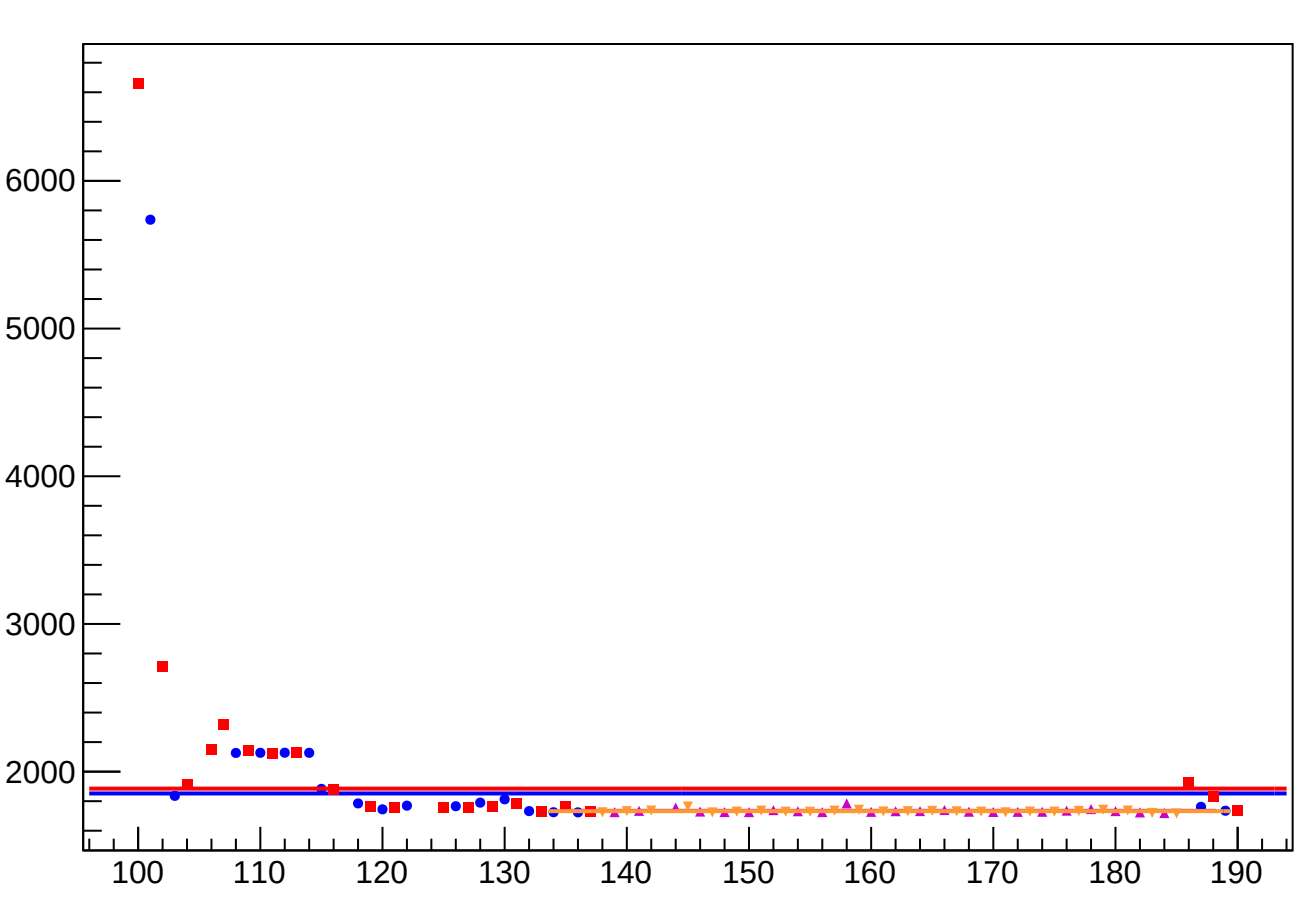
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 96.409+/-462.179 χ^2/NDF: 34.2/38

In: 63.813+/-346.733 χ^2/NDF:46.0/40

Out: 441.595+/-340.083 χ^2/NDF:37.7/44

All: 256.362+/-242.792 χ^2/NDF: 84.3/85



Right In: 1852.274+/-0.474 χ^2/NDF: 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1885.076+/-0.451 χ^2/NDF: 276415.7/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

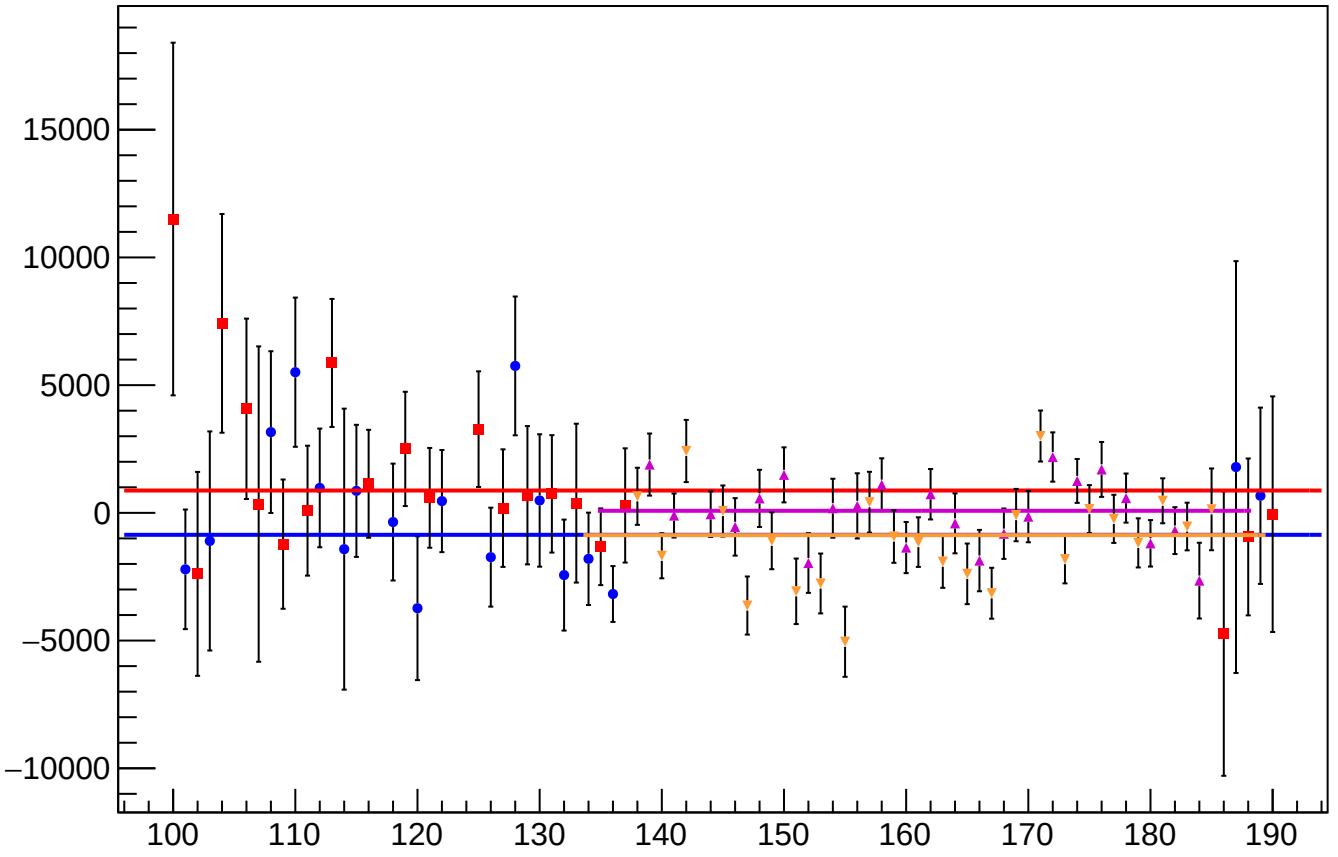
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1869.514+/-0.327 χ^2/NDF: 960422.4/38

In: 1765.998+/-0.245 χ^2/NDF:728820.1/40

Out: 1775.839+/-0.240 χ^2/NDF:359403.1/44

All: 1771.013+/-0.172 χ^2/NDF: 1089044.3/85



Right In: -859.637+/-542.718 χ^2/NDF: 21.3/17

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 874.279+/-573.302 χ^2/NDF: 16.4/20

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

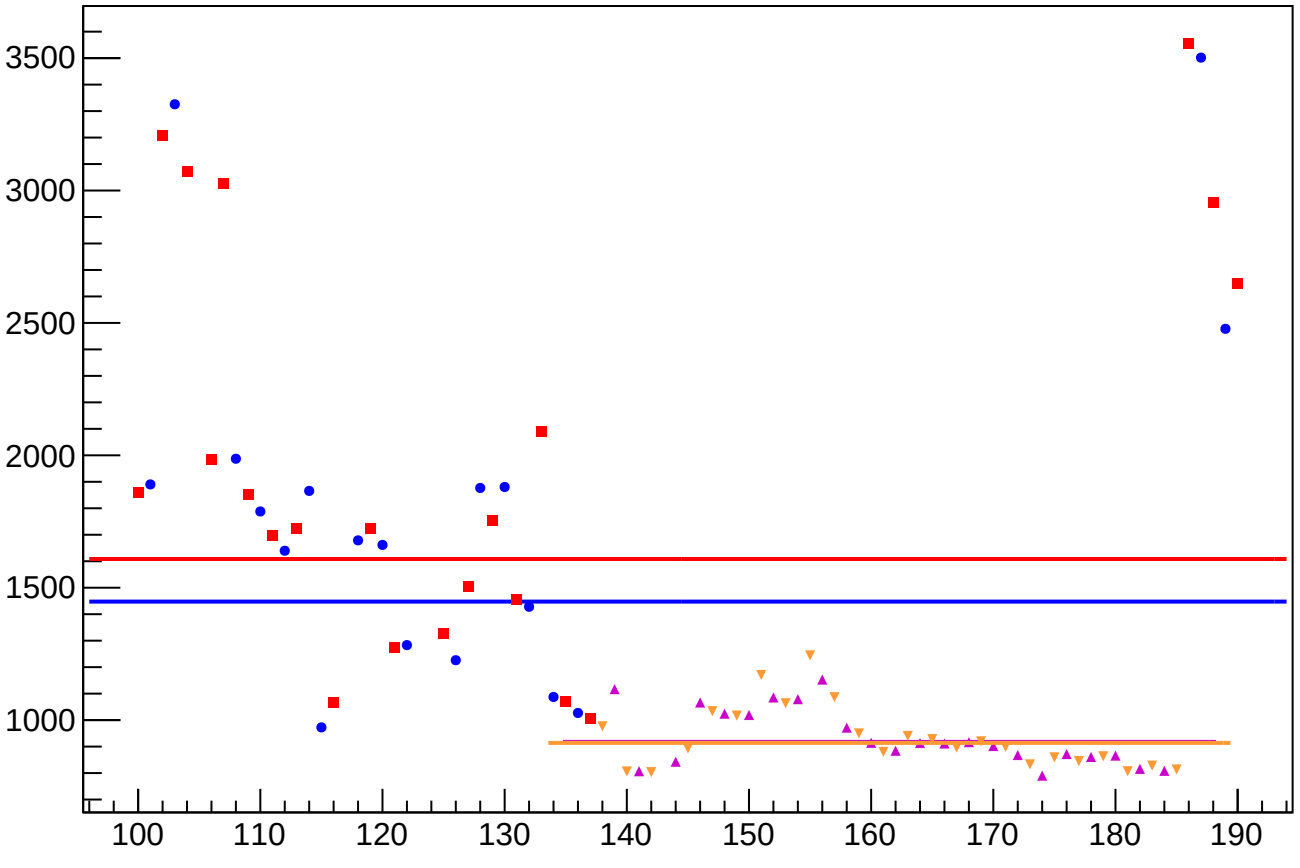
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -40.160+/-394.129 χ^2/NDF: 42.5/38

In: -47.086+/-200.620 χ^2/NDF:53.9/40

Out: -659.151+/-200.494 χ^2/NDF:86.5/44

All: -353.311+/-141.815 χ^2/NDF: 145.1/85



Right In: 1447.578+/-0.384 χ^2/NDF: 1494259.1/17

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1608.432+/-0.405 χ^2/NDF: 2137142.5/20

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

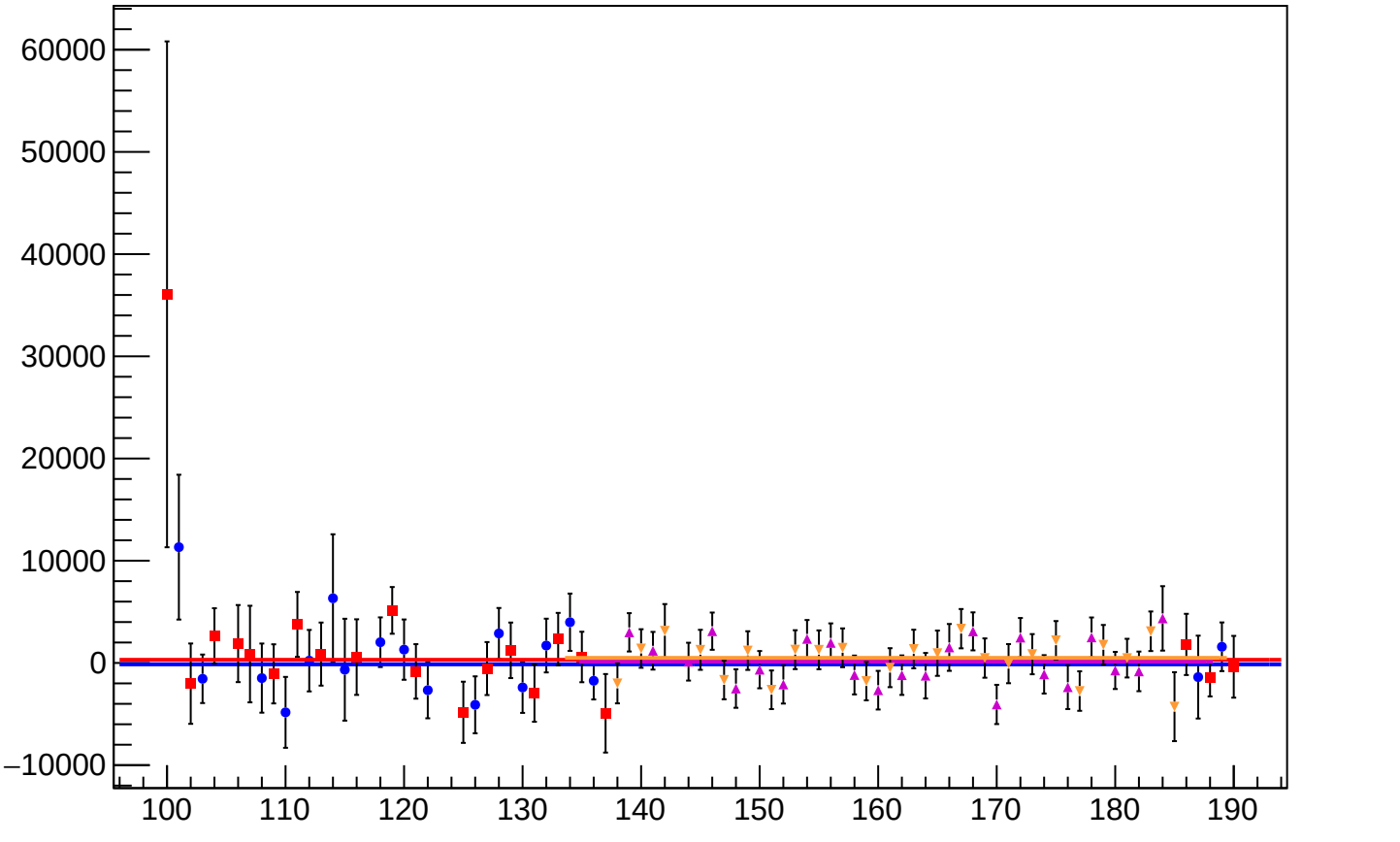
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1523.600+/-0.279 χ^2/NDF: 3714435.2/38

In: 990.084+/-0.142 χ^2/NDF:3570887.0/40

Out: 998.842+/-0.142 χ^2/NDF:5176279.3/44

All: 994.466+/-0.100 χ^2/NDF: 8749073.5/85



Right In: -137.533+/-671.004 χ^2/NDF: 16.3/17

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 307.587+/-637.520 χ^2/NDF: 17.6/20

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

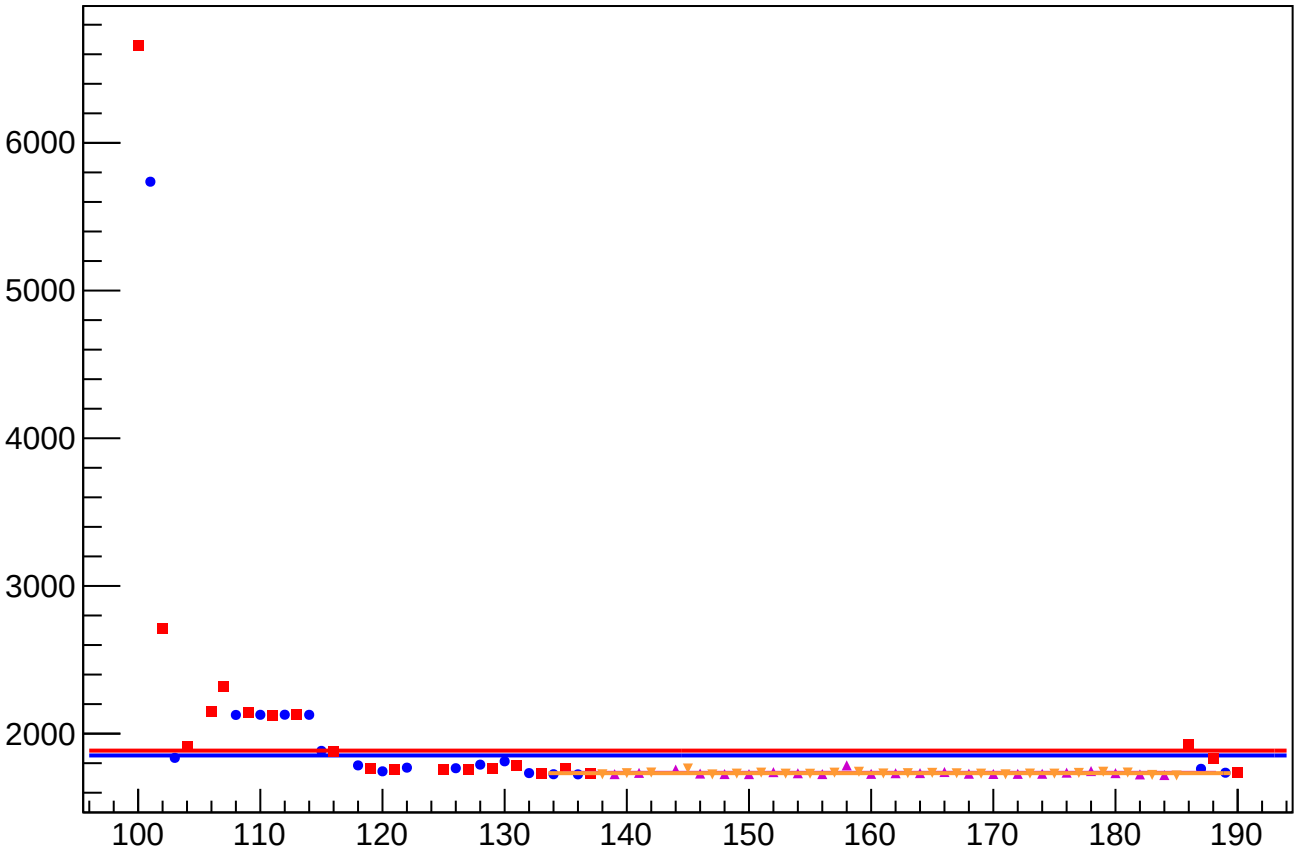
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 96.409+/-462.179 χ^2/NDF: 34.2/38

In: 63.814+/-346.733 χ^2/NDF:46.0/40

Out: 441.595+/-340.083 χ^2/NDF:37.7/44

All: 256.362+/-242.792 χ^2/NDF: 84.3/85



Right In: 1852.274+/-0.474 χ^2/NDF: 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1885.076+/-0.451 χ^2/NDF: 276415.5/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

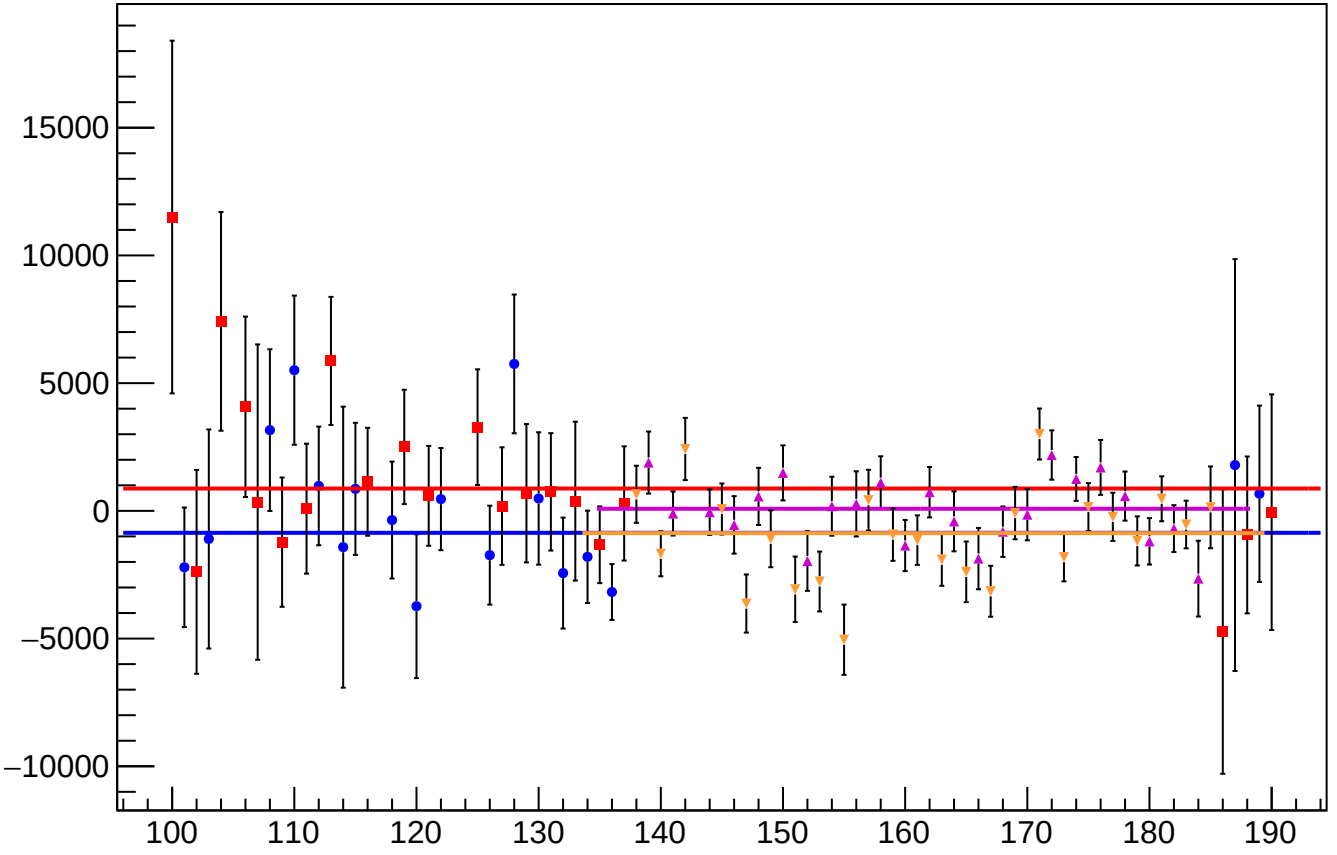
Right: 1869.514+/-0.327 χ^2/NDF: 960422.2/38

In: 1765.998+/-0.245 χ^2/NDF:728820.0/40

Out: 1775.839+/-0.240 χ^2/NDF:359402.8/44

All: 1771.013+/-0.172 χ^2/NDF: 1089044.0/85

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -859.633+/-542.717 χ^2/NDF: 21.3/17

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 874.277+/-573.301 χ^2/NDF: 16.4/20

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

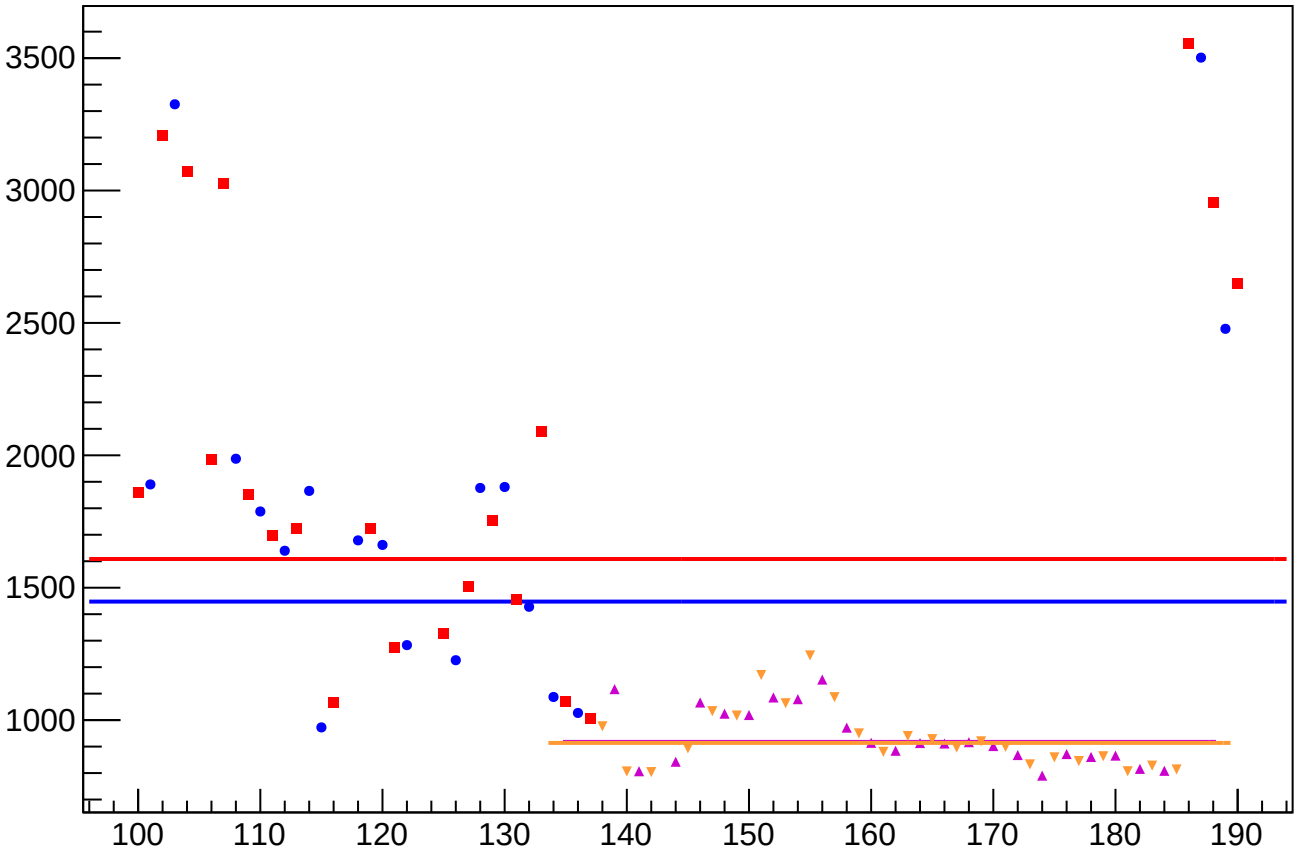
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -40.159+/-394.128 χ^2/NDF: 42.5/38

In: -47.087+/-200.620 χ^2/NDF:53.9/40

Out: -659.150+/-200.494 χ^2/NDF:86.5/44

All: -353.310+/-141.815 χ^2/NDF: 145.1/85



Right In: 1447.575+/-0.384 χ^2/NDF: 1494260.6/17

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1608.429+/-0.405 χ^2/NDF: 2137148.4/20

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

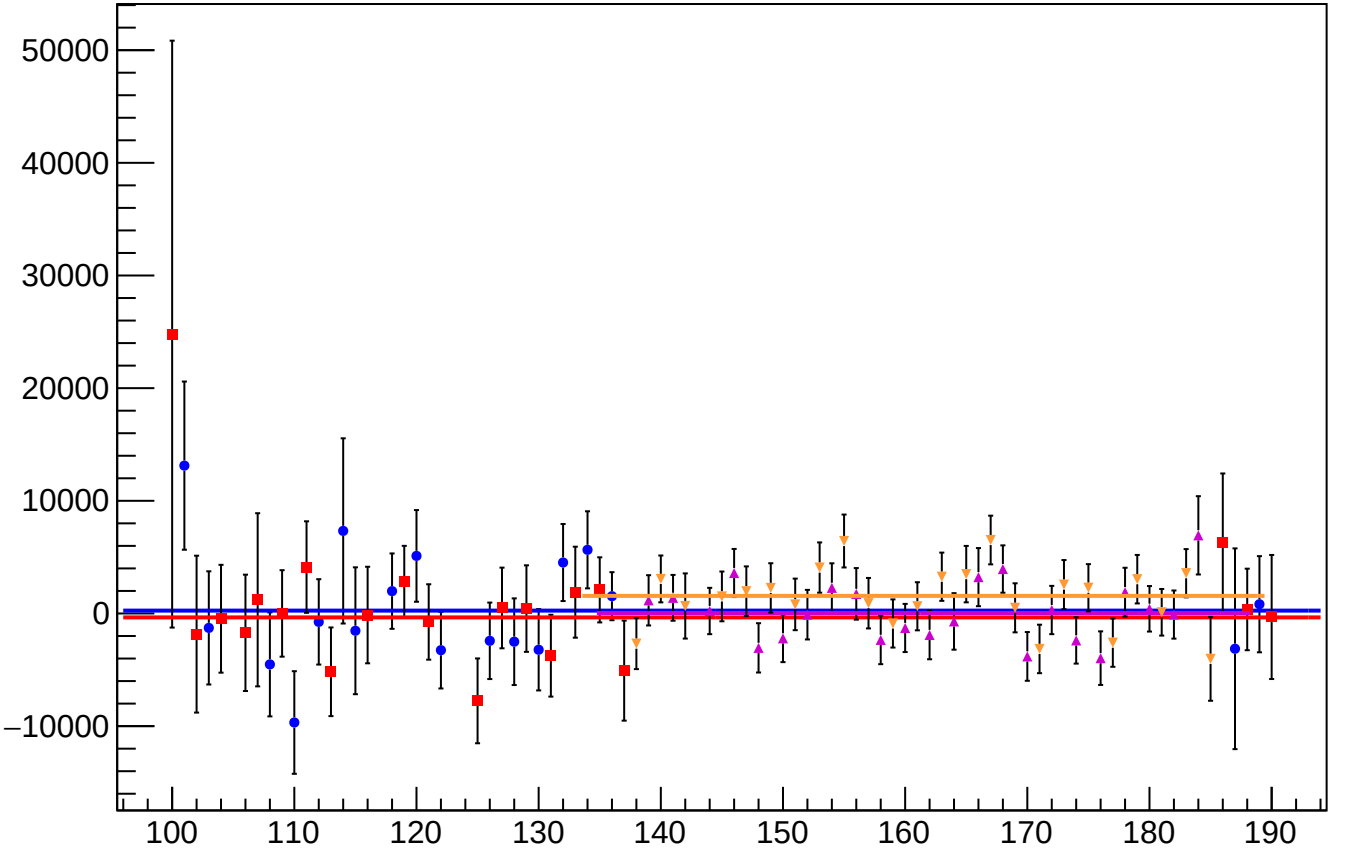
Right: 1523.597+/-0.279 χ^2/NDF: 3714443.5/38

In: 990.083+/-0.142 χ^2/NDF:3570887.7/40

Out: 998.842+/-0.142 χ^2/NDF:5176282.9/44

All: 994.465+/-0.100 χ^2/NDF: 8749077.7/85

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 254.157+/-914.982 χ^2/NDF: 19.2/17

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -348.833+/-907.563 χ^2/NDF: 13.0/20

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

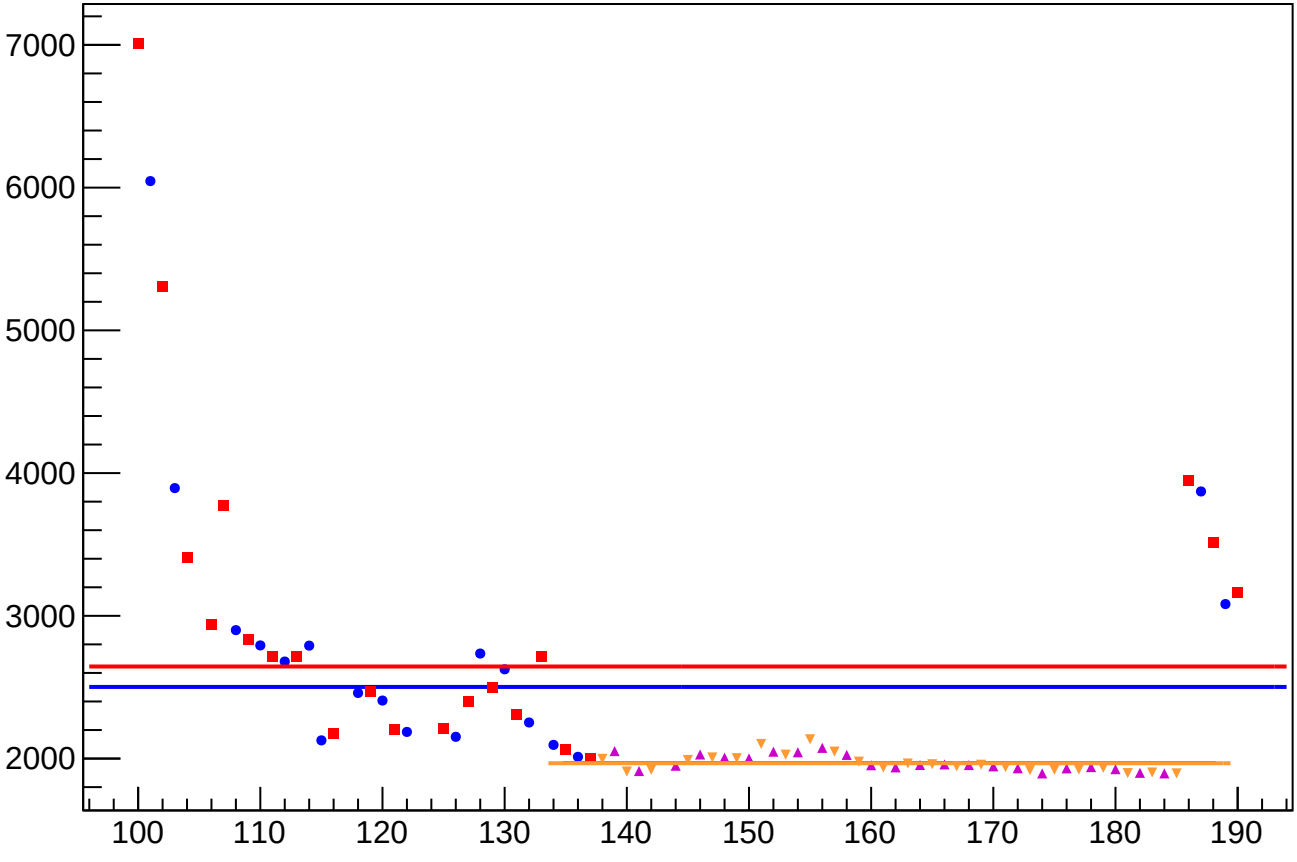
Right: -49.792+/-644.351 χ^2/NDF: 32.4/38

In: 83.106+/-410.940 χ^2/NDF:47.0/40

Out: 1175.139+/-408.089 χ^2/NDF:47.8/44

All: 632.924+/-289.565 χ^2/NDF: 98.4/85

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2501.913+/-0.647 χ^2/NDF: 921415.5/17

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2645.041+/-0.642 χ^2/NDF: 921684.7/20

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

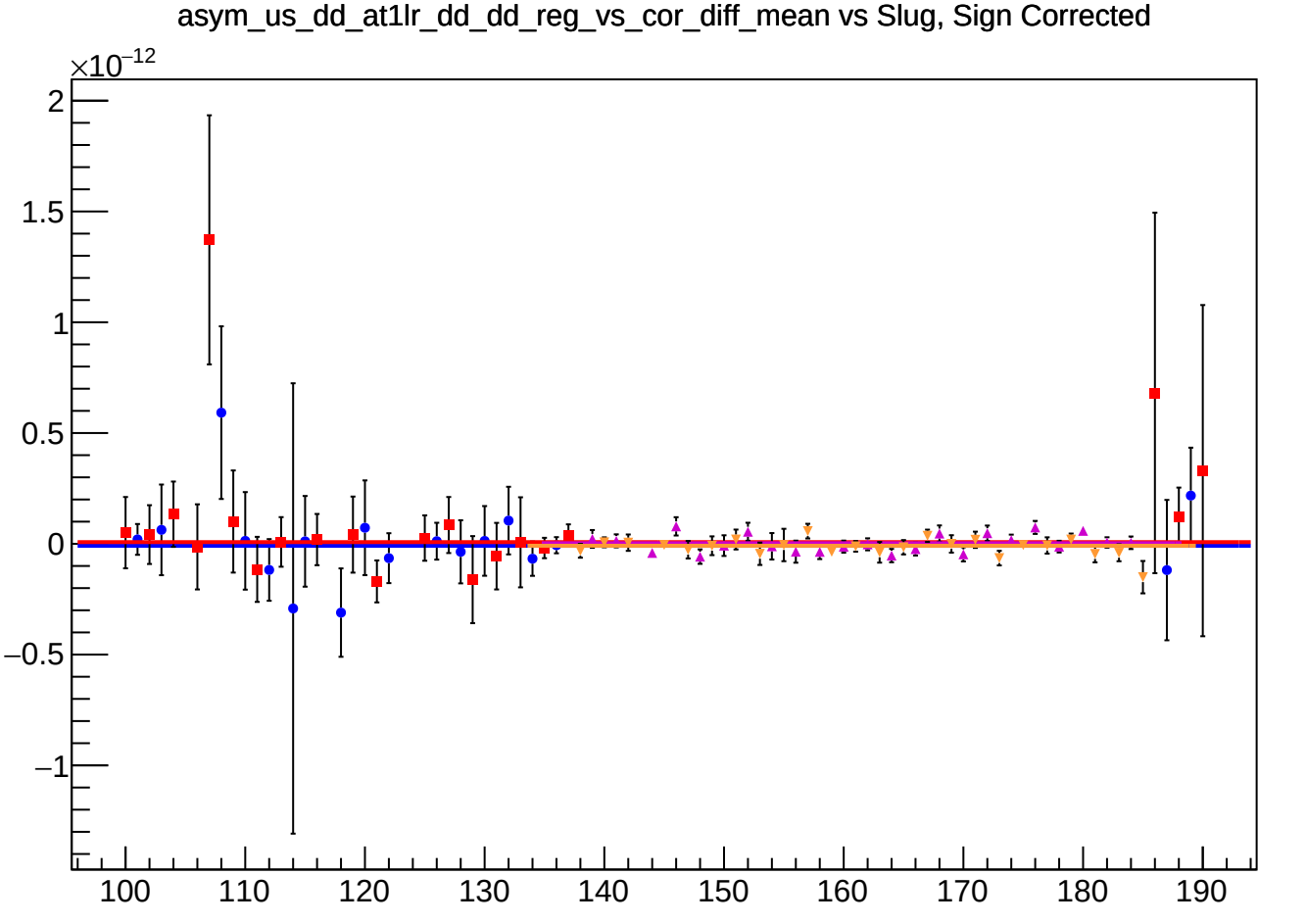
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2574.060+/-0.456 χ^2/NDF: 1867768.9/38

In: 2076.513+/-0.291 χ^2/NDF:1489491.3/40

Out: 2104.424+/-0.289 χ^2/NDF:1845427.7/44

All: 2090.566+/-0.205 χ^2/NDF: 3339564.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/20

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

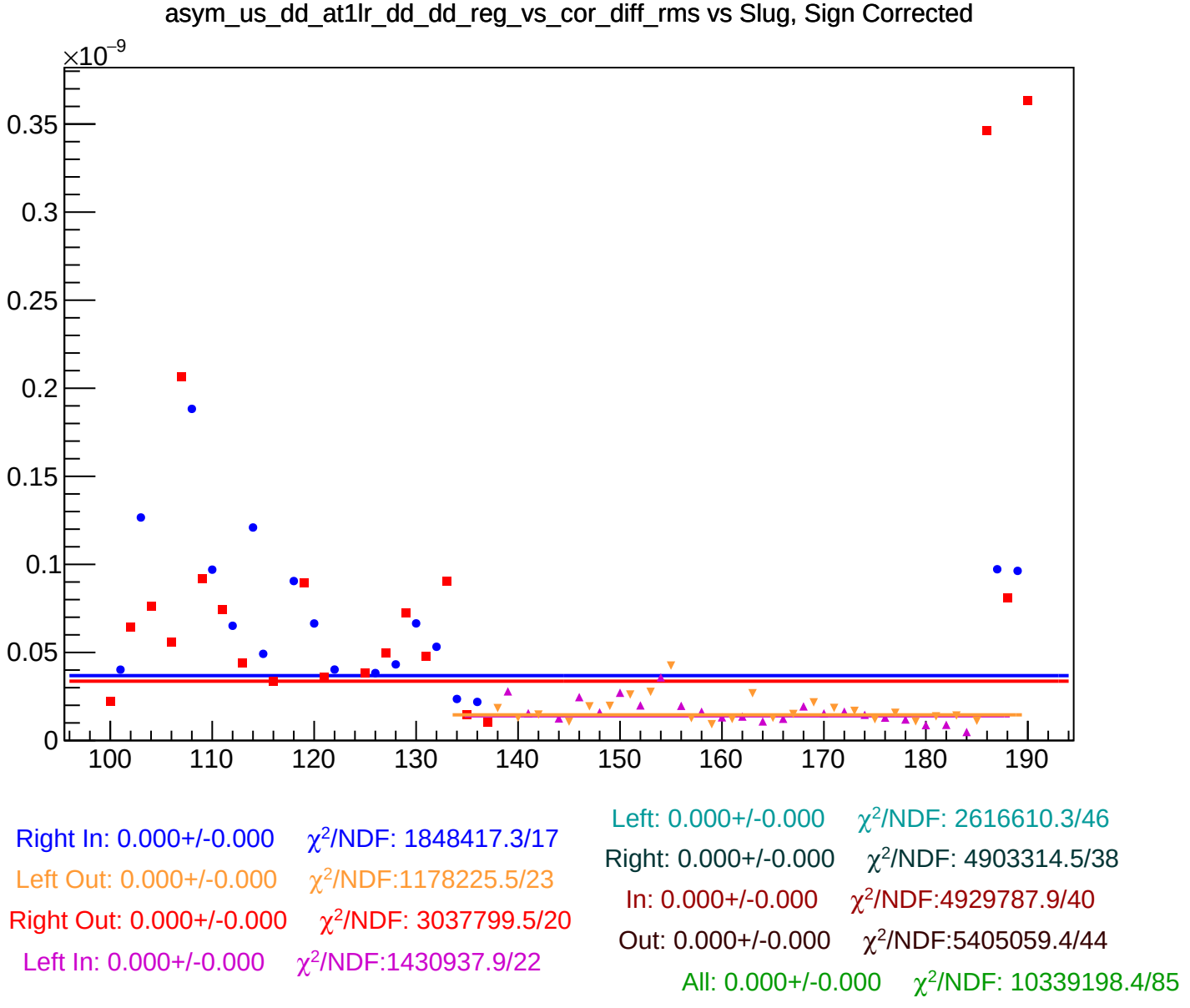
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 23.7/38

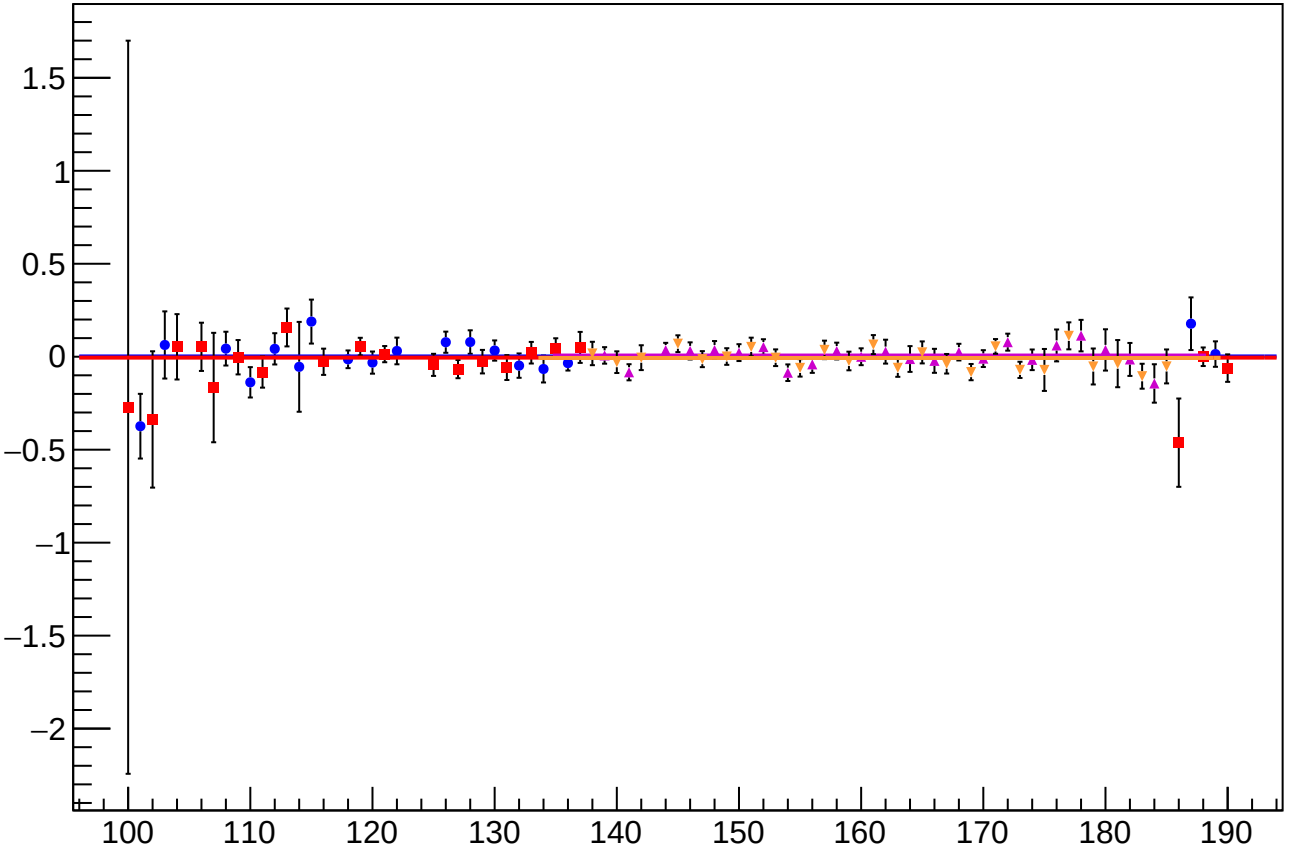
In: 0.000+/-0.000 χ^2/NDF:47.7/40

Out: -0.000+/-0.000 χ^2/NDF:36.1/44

All: -0.000+/-0.000 χ^2/NDF: 85.0/85


asym_us_dd_at1lr_dd_dd_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1848417.3/17
Left Out: 0.000+/-0.000 χ²/NDF:1178225.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3037799.5/20
Left In: 0.000+/-0.000 χ²/NDF:1430937.9/22
Left: 0.000+/-0.000 χ²/NDF: 2616610.3/46
Right: 0.000+/-0.000 χ²/NDF: 4903314.5/38
In: 0.000+/-0.000 χ²/NDF:4929787.9/40
Out: 0.000+/-0.000 χ²/NDF:5405059.4/44
All: 0.000+/-0.000 χ²/NDF: 10339198.4/85

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

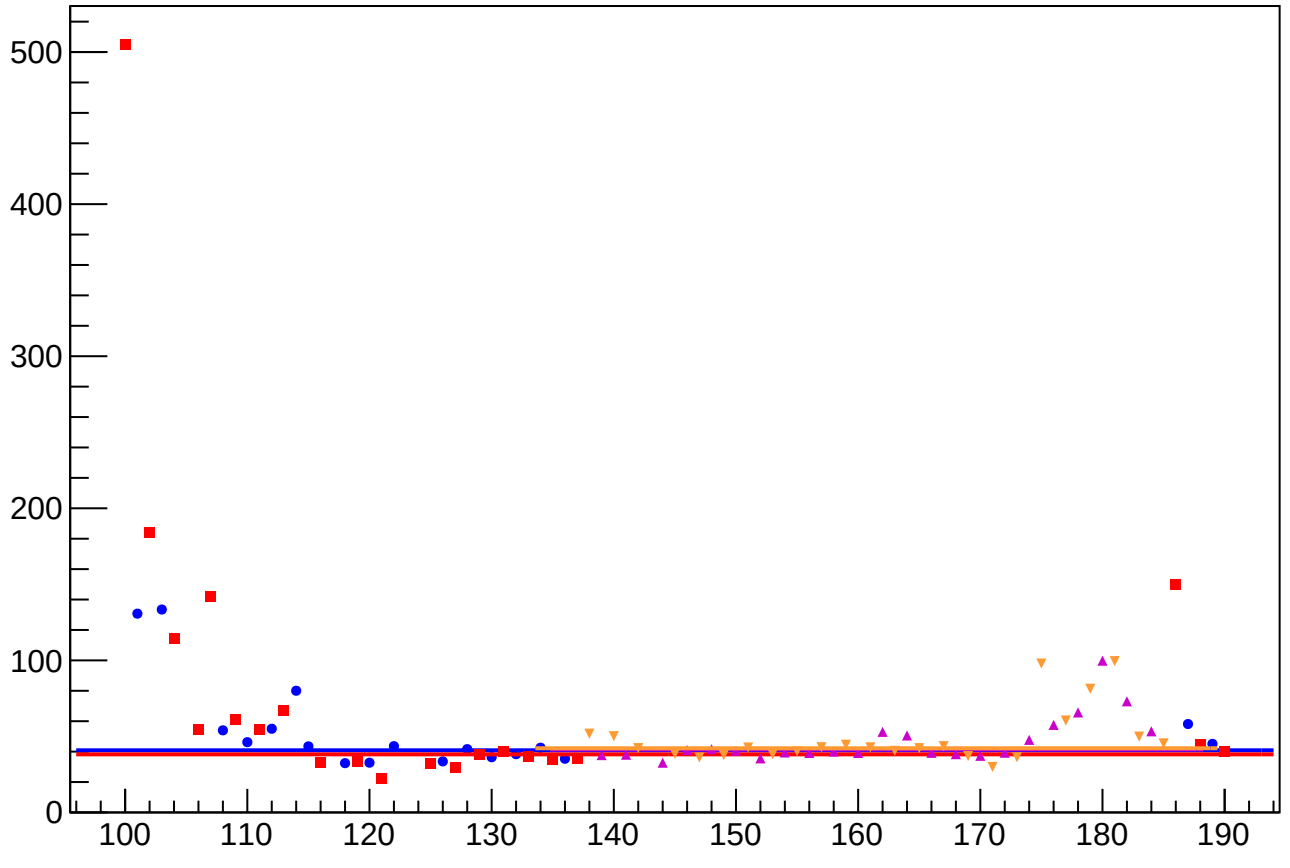
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.011 χ^2/NDF: 34.1/38

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: -0.001+/-0.006 χ^2/NDF: 78.8/85



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

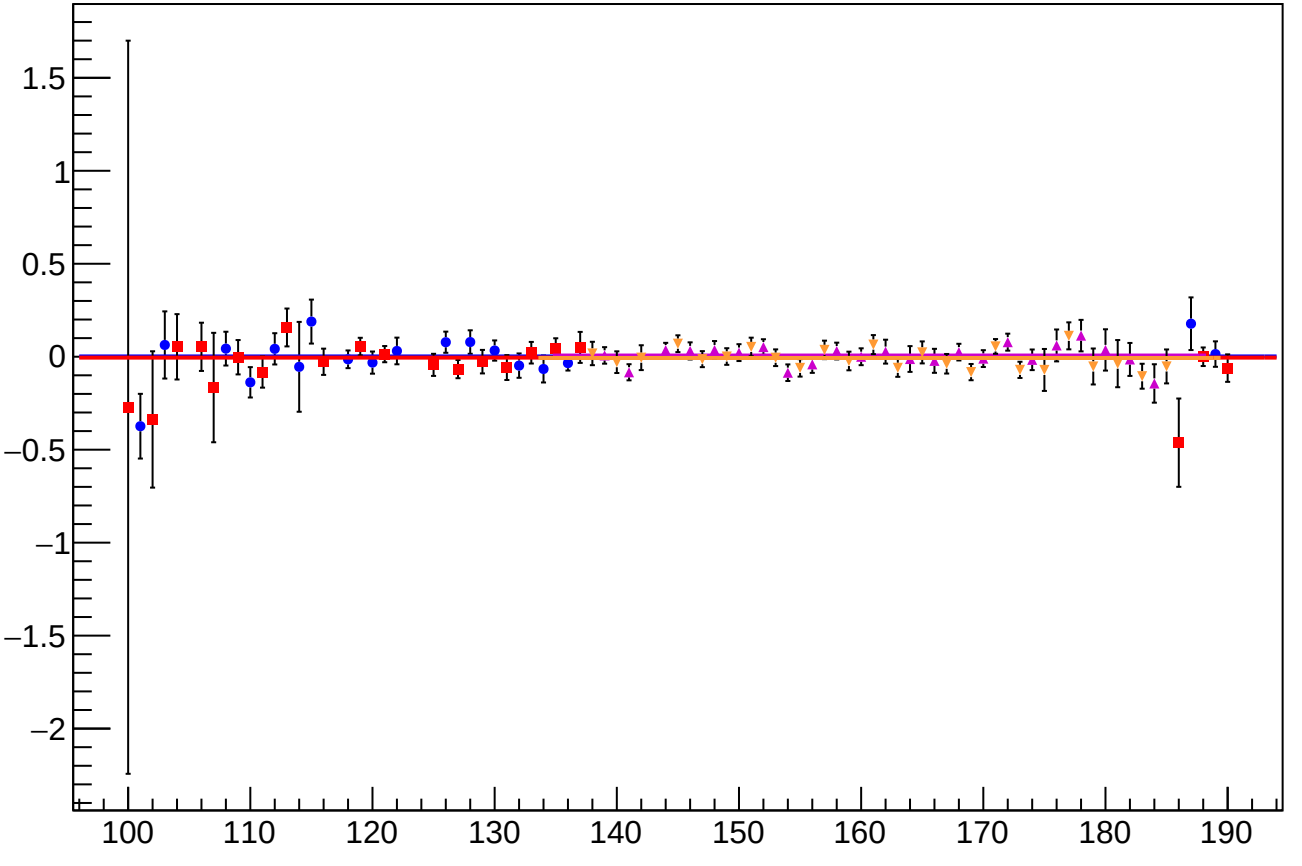
Right: 39.449+/-0.008 χ^2/NDF: 3808258.0/38

In: 41.255+/-0.006 χ^2/NDF:2863114.1/40

Out: 40.872+/-0.006 χ^2/NDF:4240169.5/44

All: 41.062+/-0.004 χ^2/NDF: 7105115.5/85

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

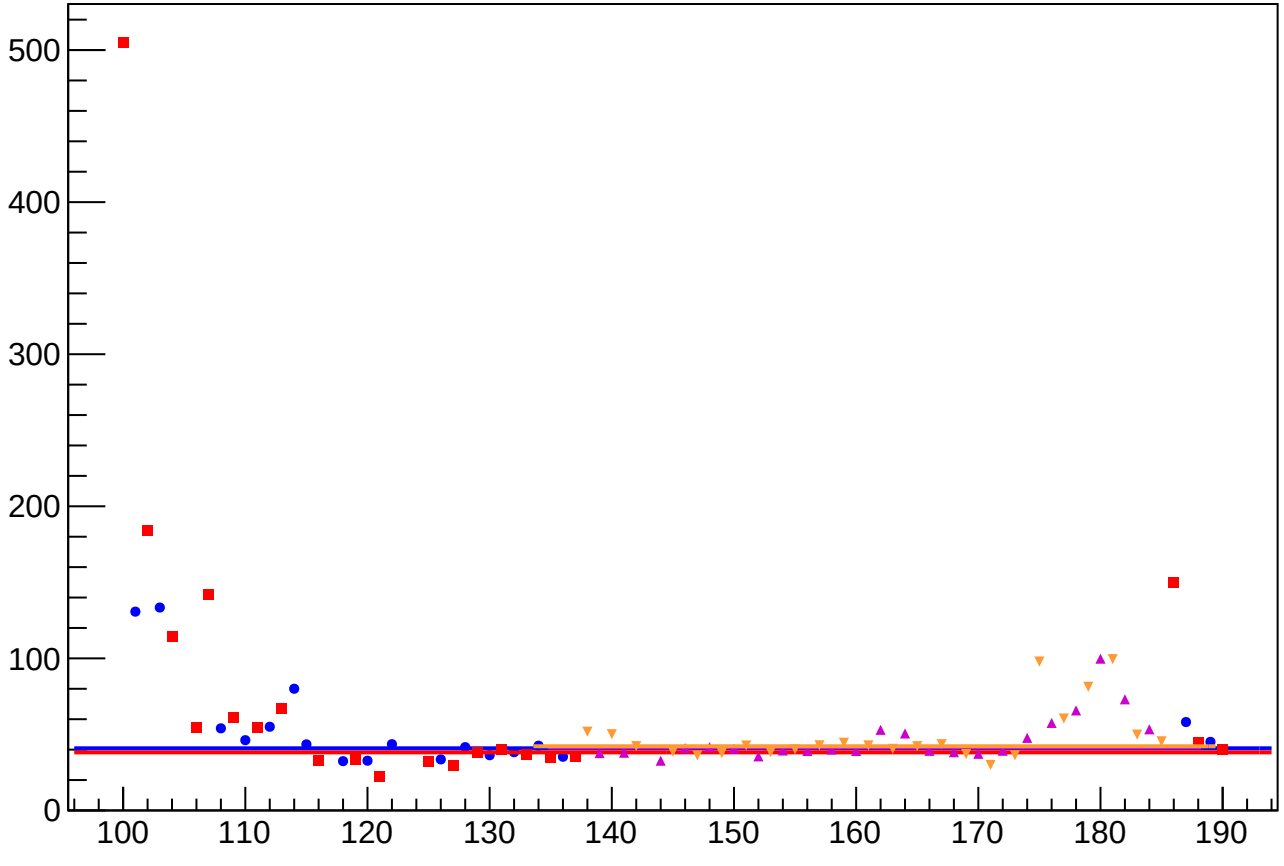
Right: -0.002+/-0.011 χ^2/NDF: 34.1/38

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: -0.001+/-0.006 χ^2/NDF: 78.8/85

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

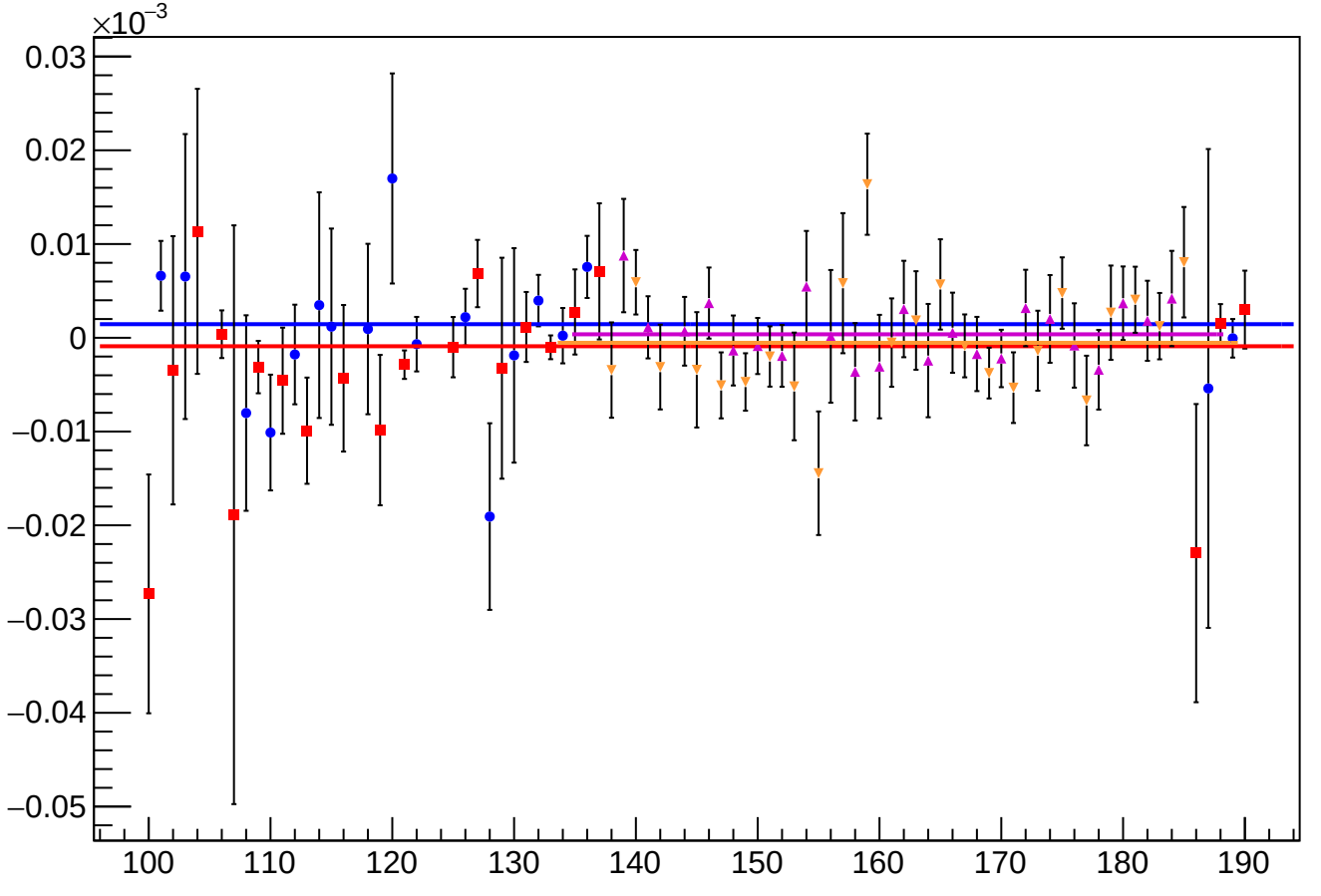
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 39.449+/-0.008 χ^2/NDF: 3808258.0/38

In: 41.255+/-0.006 χ^2/NDF:2863114.1/40

Out: 40.872+/-0.006 χ^2/NDF:4240169.5/44

All: 41.062+/-0.004 χ^2/NDF: 7105115.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/20

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

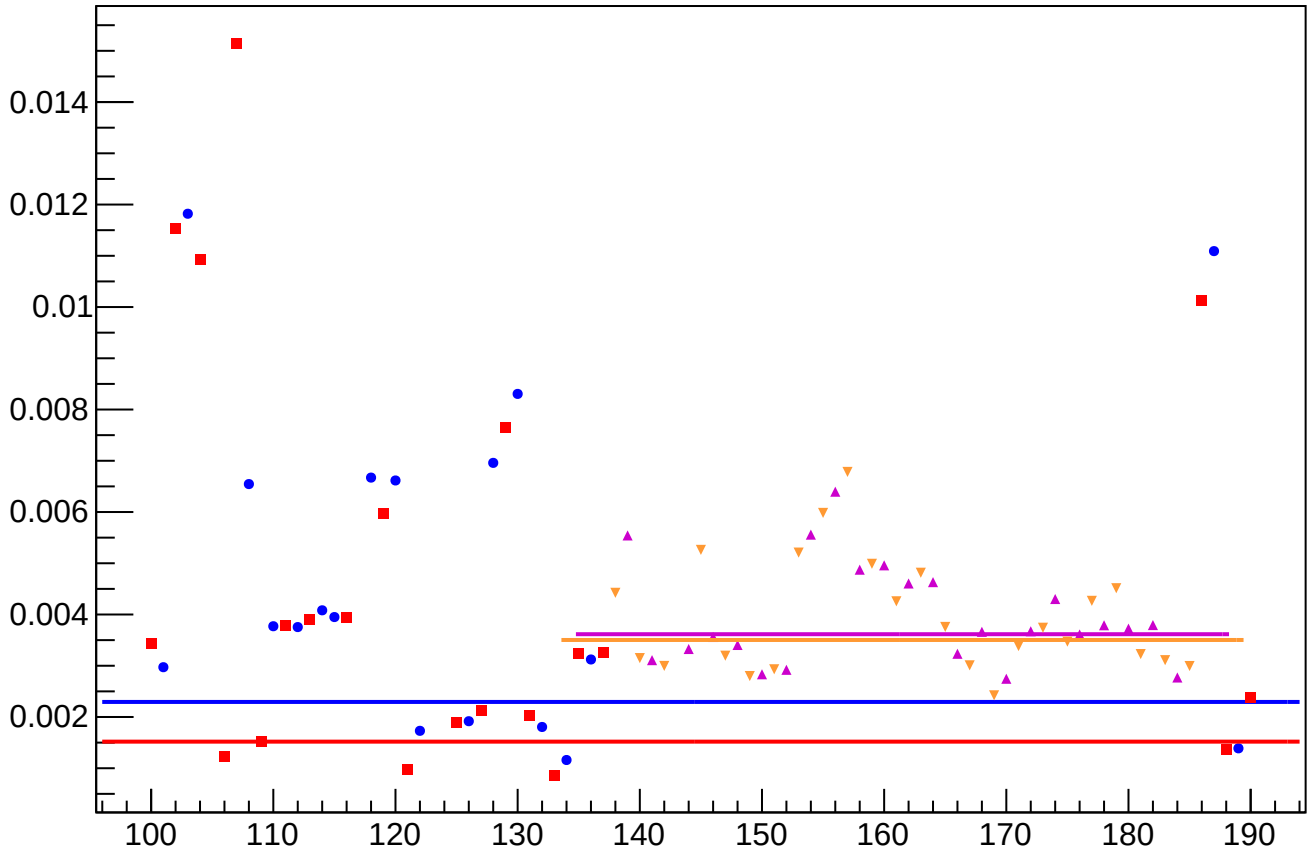
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 45.7/38

In: 0.000+/-0.000 χ^2/NDF:29.0/40

Out: -0.000+/-0.000 χ^2/NDF:60.2/44

All: -0.000+/-0.000 χ^2/NDF: 92.8/85



Right In: 0.002+/-0.000 χ^2/NDF: 4512894.3/17

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 6249438.4/20

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

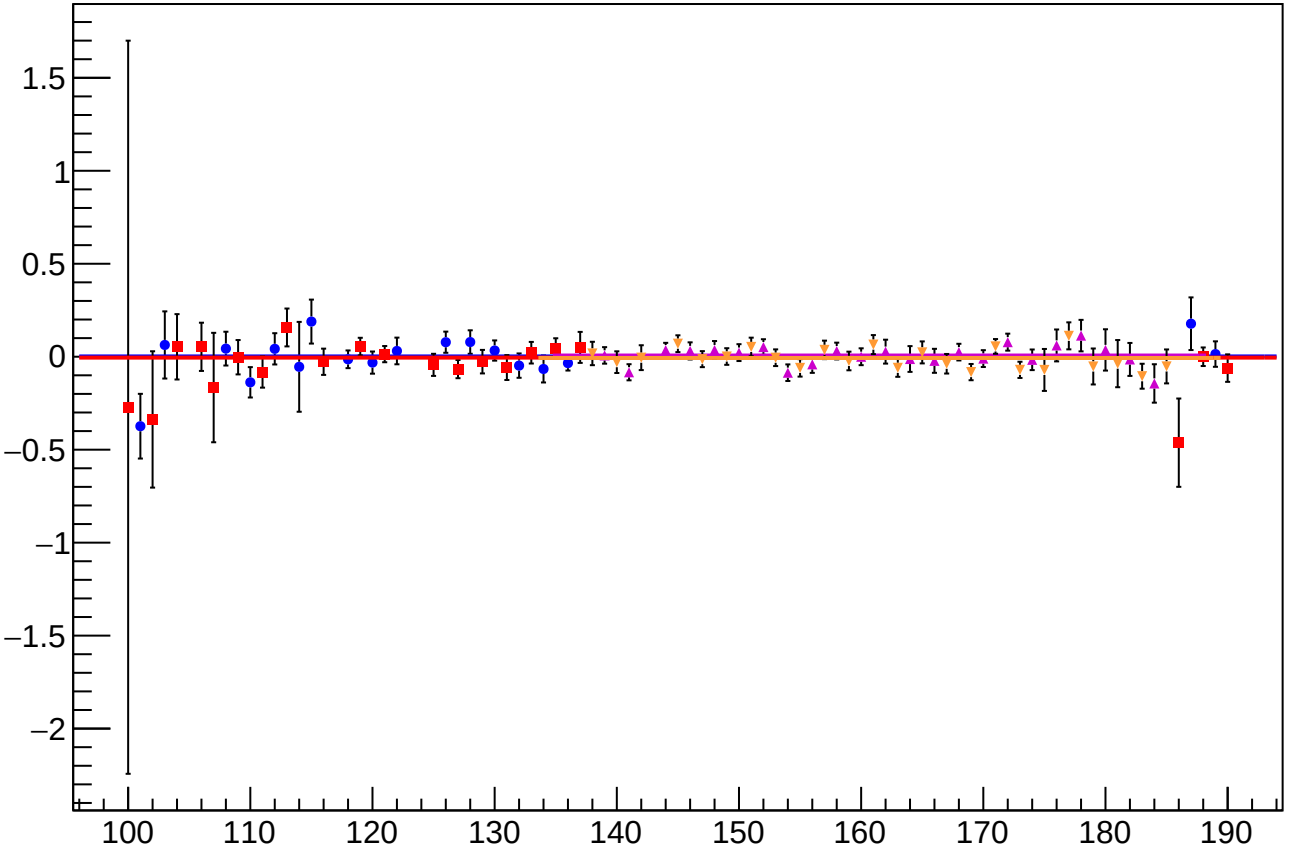
Right: 0.002+/-0.000 χ^2/NDF: 11573179.6/38

In: 0.003+/-0.000 χ^2/NDF:8173160.0/40

Out: 0.002+/-0.000 χ^2/NDF:15012162.0/44

All: 0.003+/-0.000 χ^2/NDF: 24624015.2/85

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

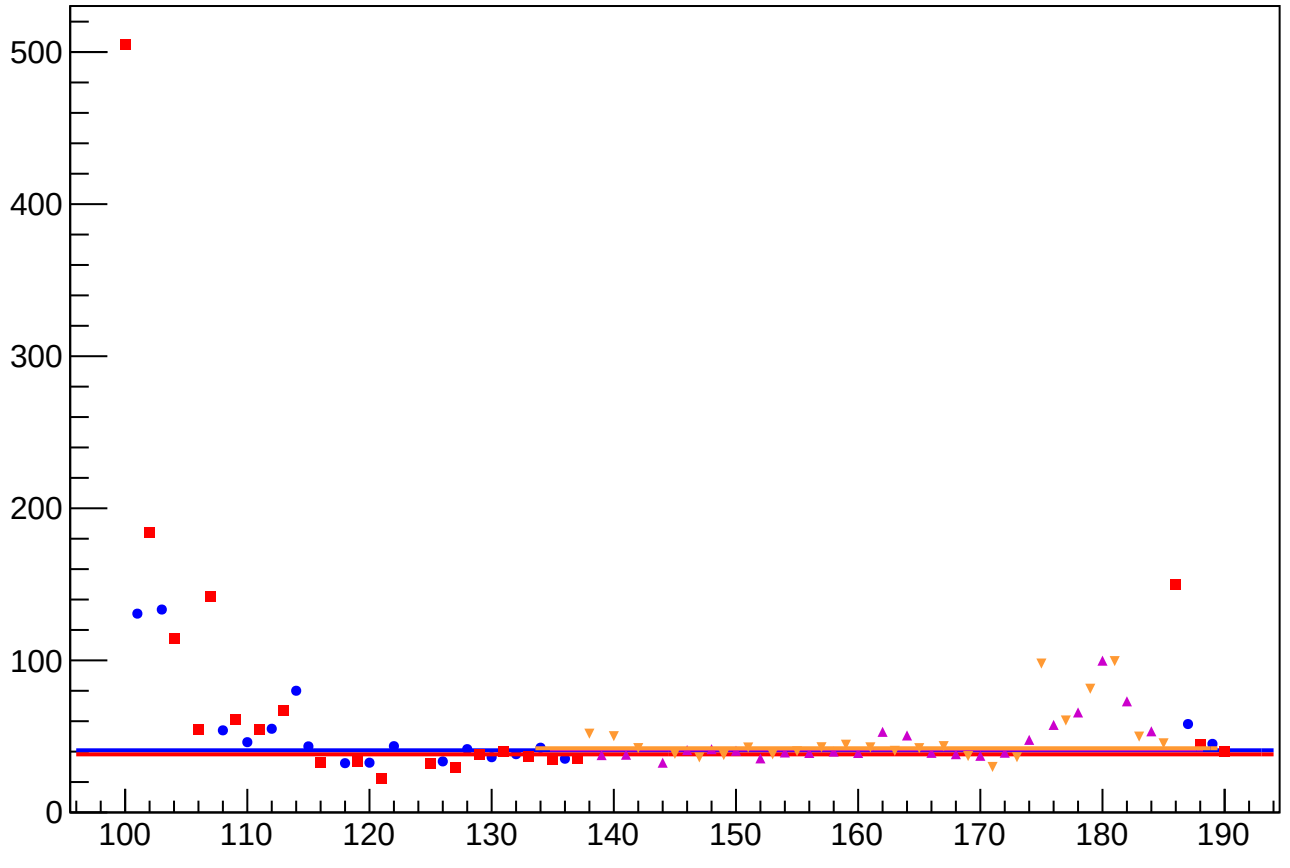
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.011 χ^2/NDF: 34.1/38

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: -0.001+/-0.006 χ^2/NDF: 78.8/85



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

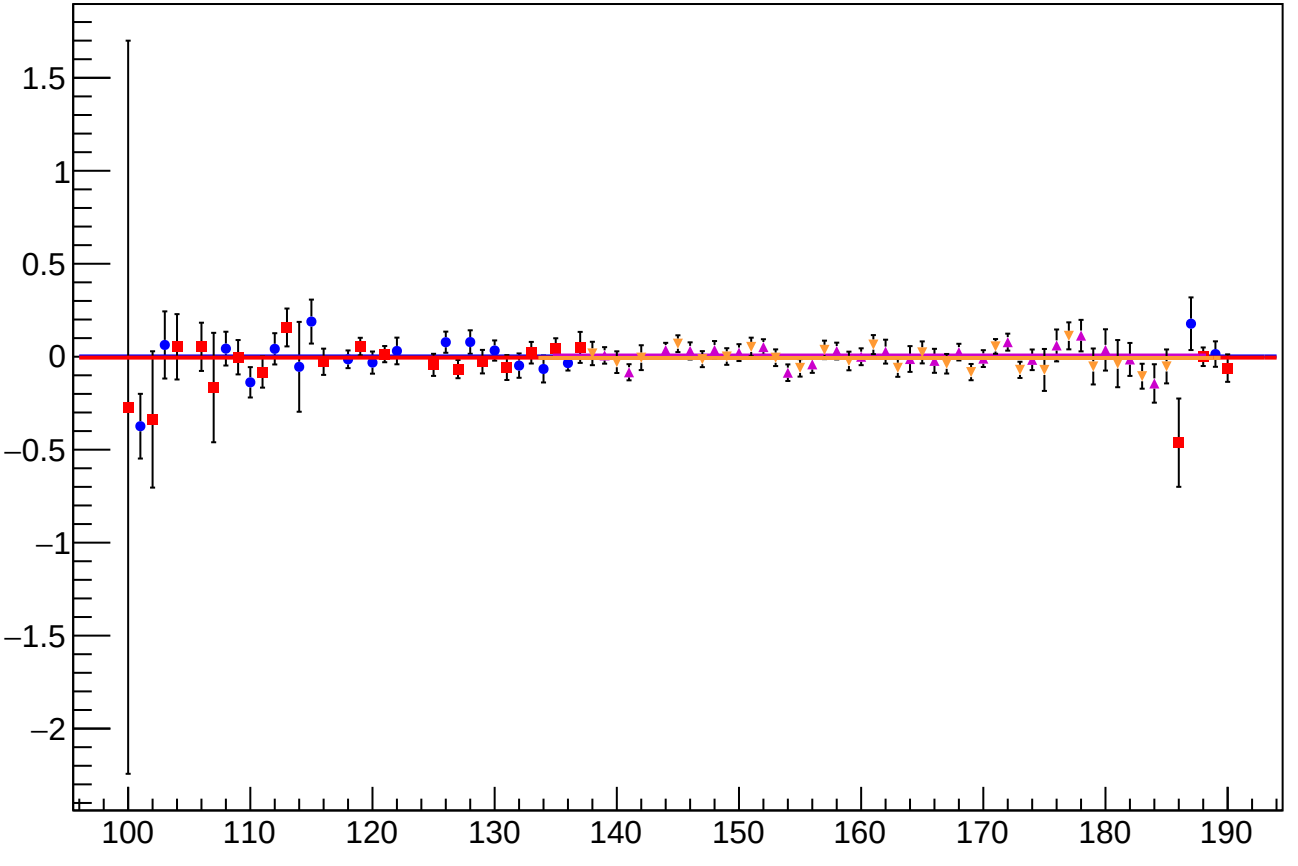
Right: 39.449+/-0.008 χ^2/NDF: 3808160.7/38

In: 41.255+/-0.006 χ^2/NDF:2862919.9/40

Out: 40.871+/-0.006 χ^2/NDF:4240205.0/44

All: 41.061+/-0.004 χ^2/NDF: 7104962.3/85

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

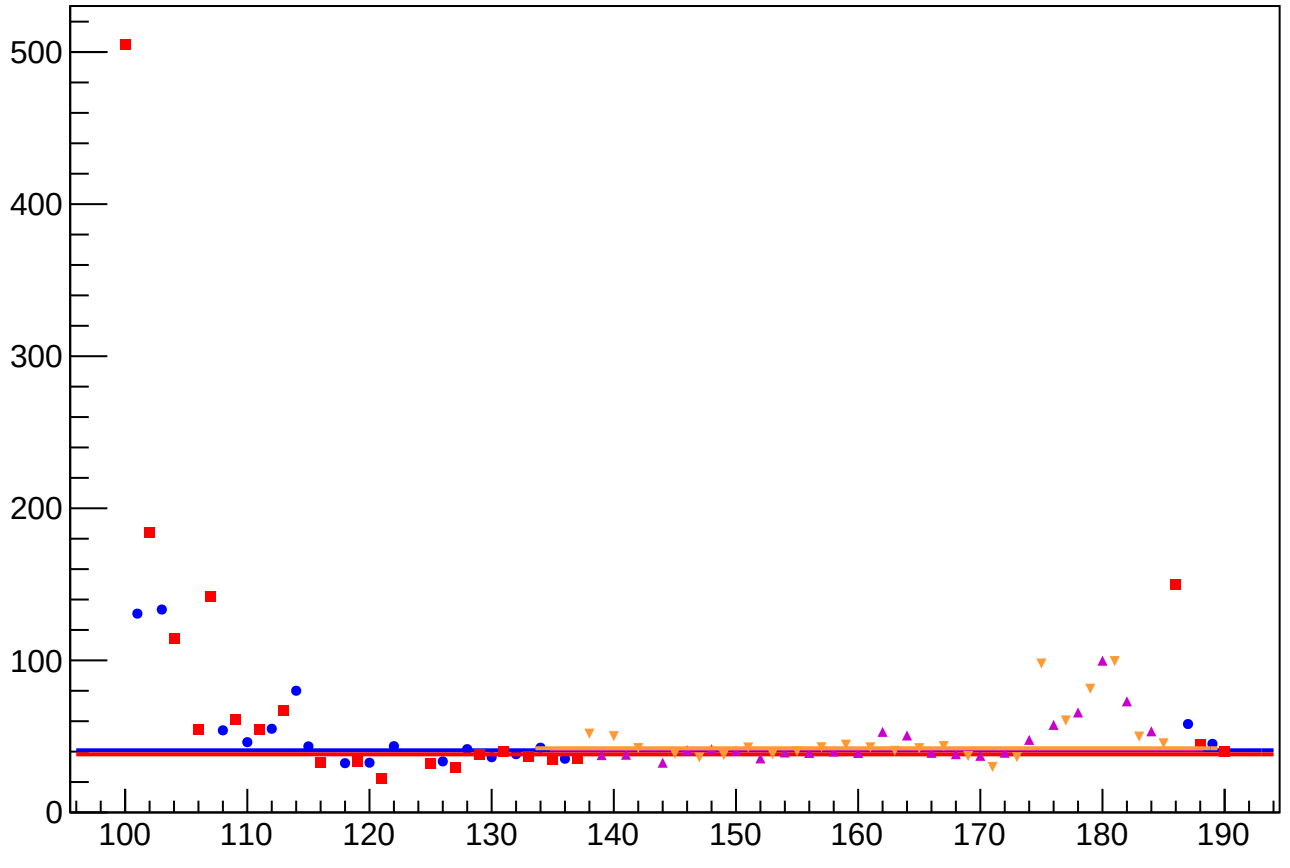
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.011 χ^2/NDF: 34.1/38

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: -0.001+/-0.006 χ^2/NDF: 78.8/85



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

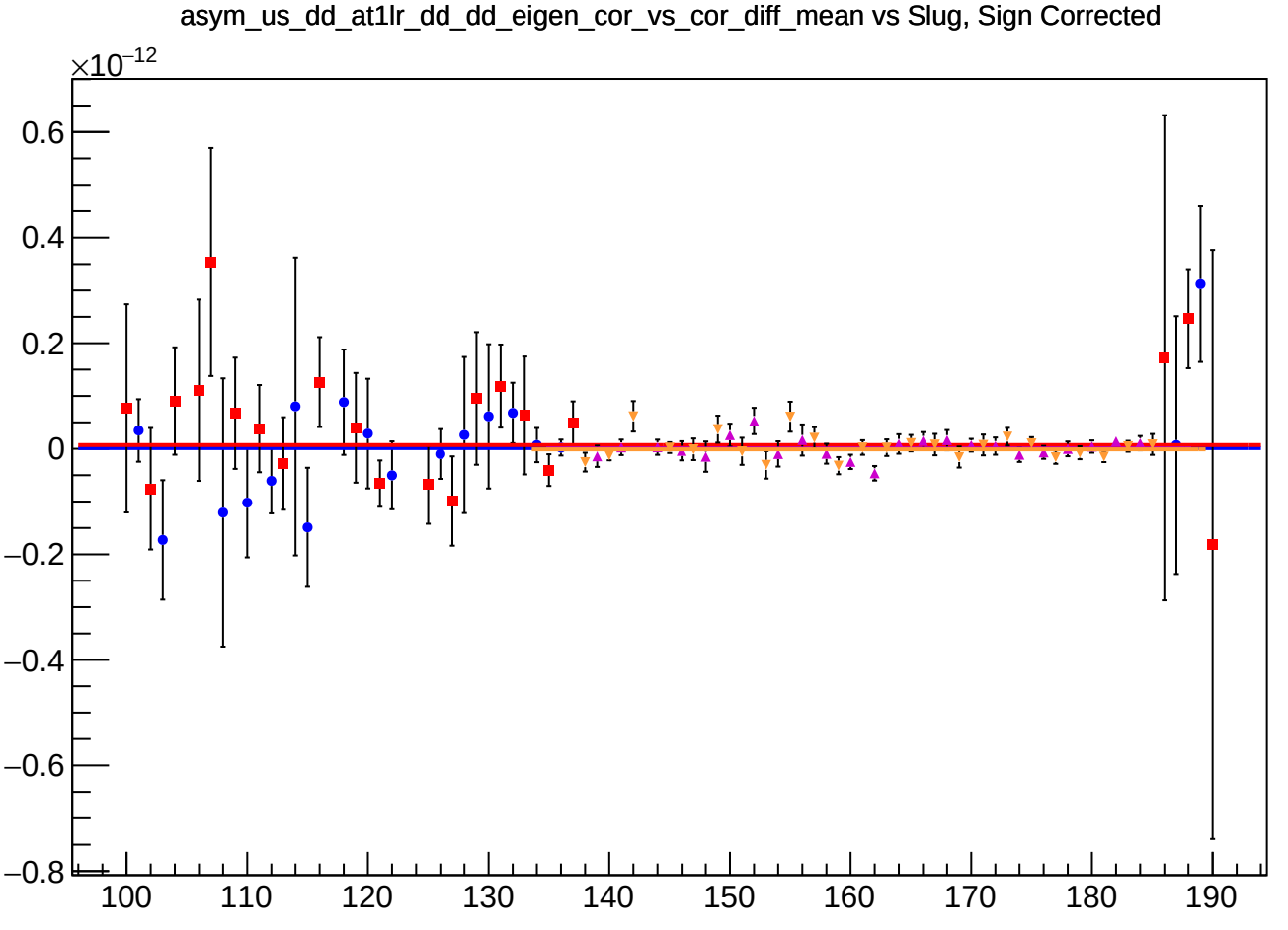
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 39.449+/-0.008 χ^2/NDF: 3808160.7/38

In: 41.255+/-0.006 χ^2/NDF:2862919.9/40

Out: 40.871+/-0.006 χ^2/NDF:4240205.0/44

All: 41.061+/-0.004 χ^2/NDF: 7104962.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/20

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

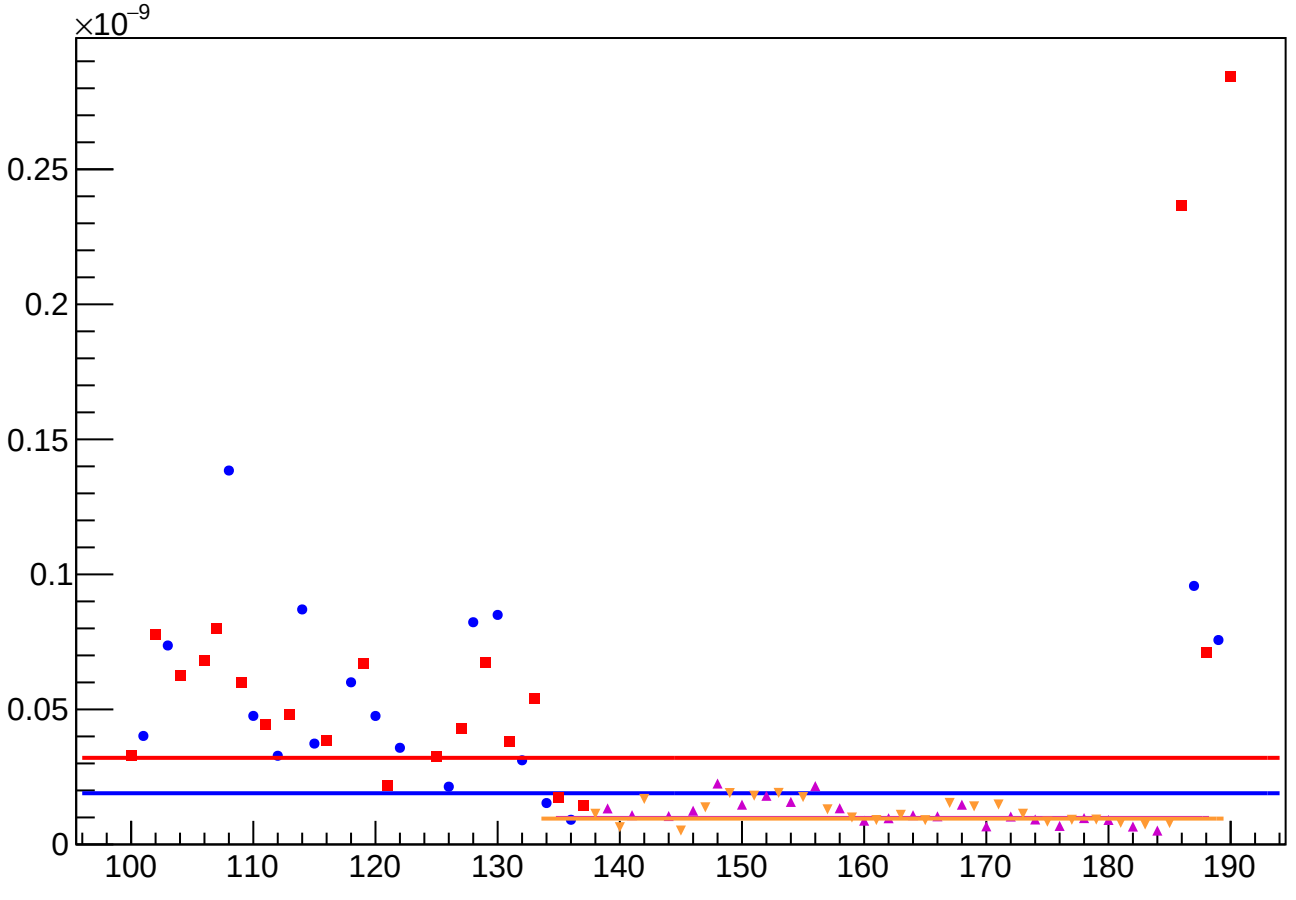
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 39.7/38

In: 0.000+/-0.000 χ^2/NDF:42.7/40

Out: -0.000+/-0.000 χ^2/NDF:55.0/44

All: -0.000+/-0.000 χ^2/NDF: 97.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 4521211.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3555251.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

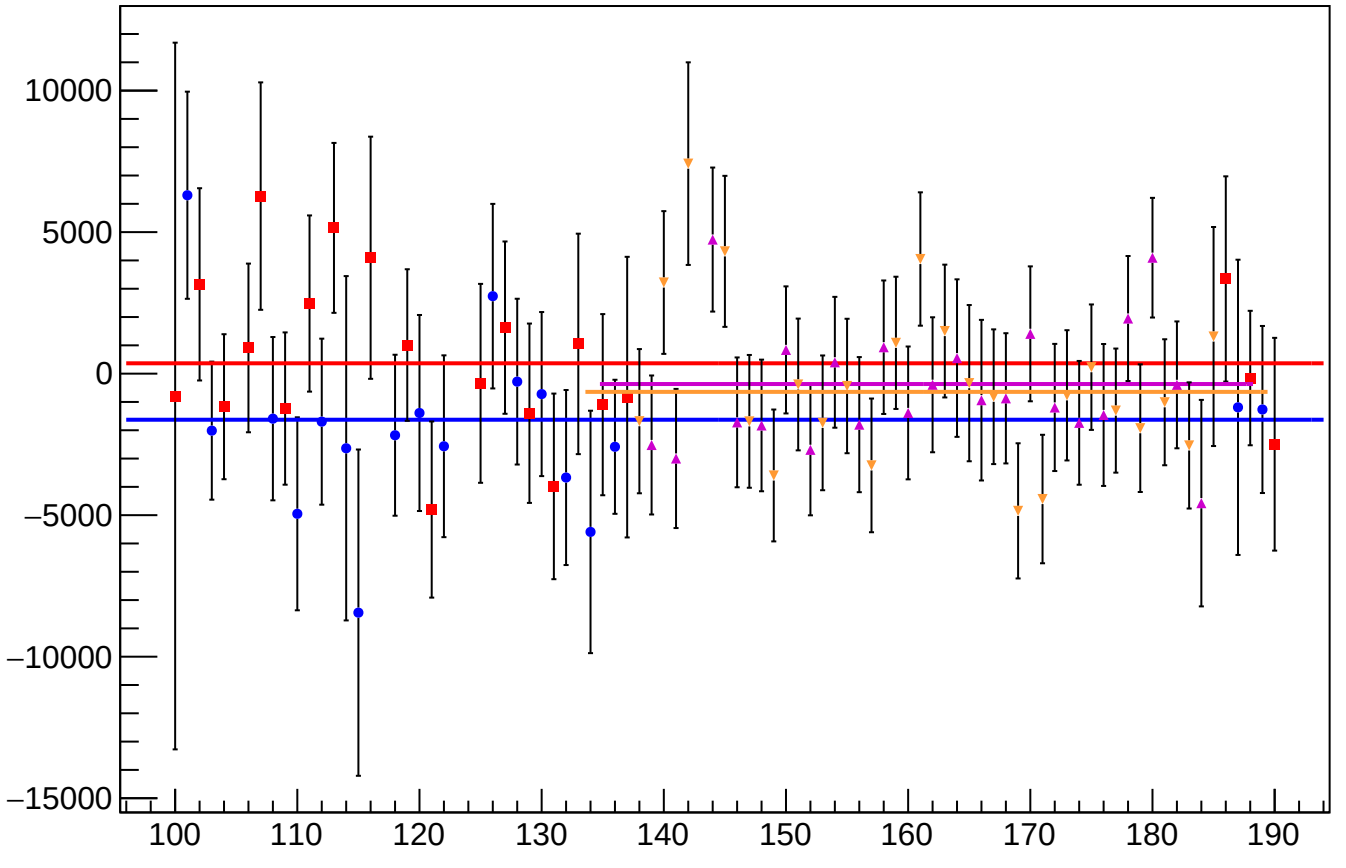
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 8946330.5/38

In: 0.000+/-0.000 χ^2/NDF:7945167.6/40

Out: 0.000+/-0.000 χ^2/NDF:9723890.6/44

All: 0.000+/-0.000 χ^2/NDF: 17670428.2/85



Right In: -1628.130+/-756.980 χ^2/NDF: 10.8/17

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 365.747+/-710.699 χ^2/NDF: 14.0/20

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

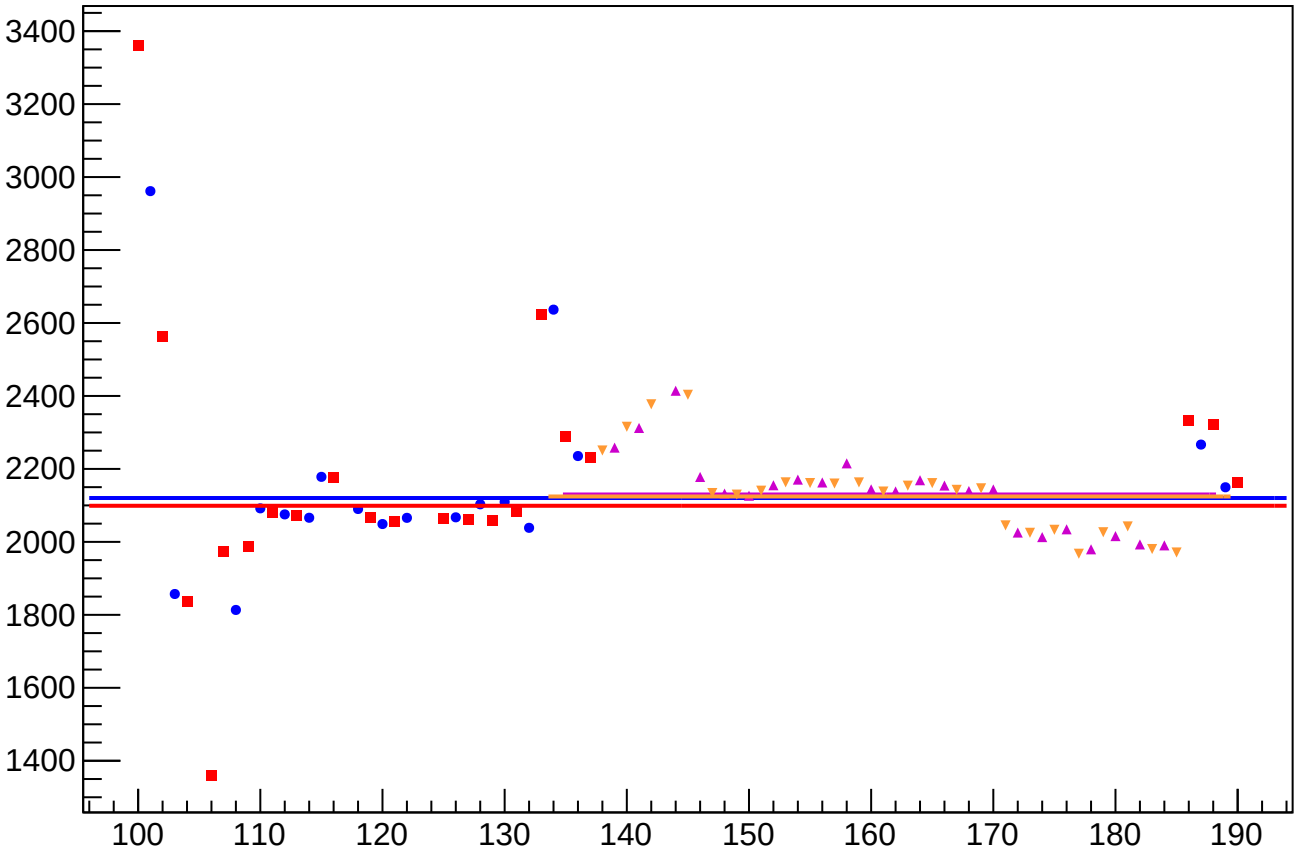
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -568.379+/-518.129 χ^2/NDF: 28.5/38

In: -747.666+/-415.981 χ^2/NDF:30.0/40

Out: -315.224+/-405.457 χ^2/NDF:42.5/44

All: -525.906+/-290.351 χ^2/NDF: 73.1/85



Right In: 2120.255+/-0.535 χ^2/NDF: 191792.9/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2098.981+/-0.503 χ^2/NDF: 280421.5/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

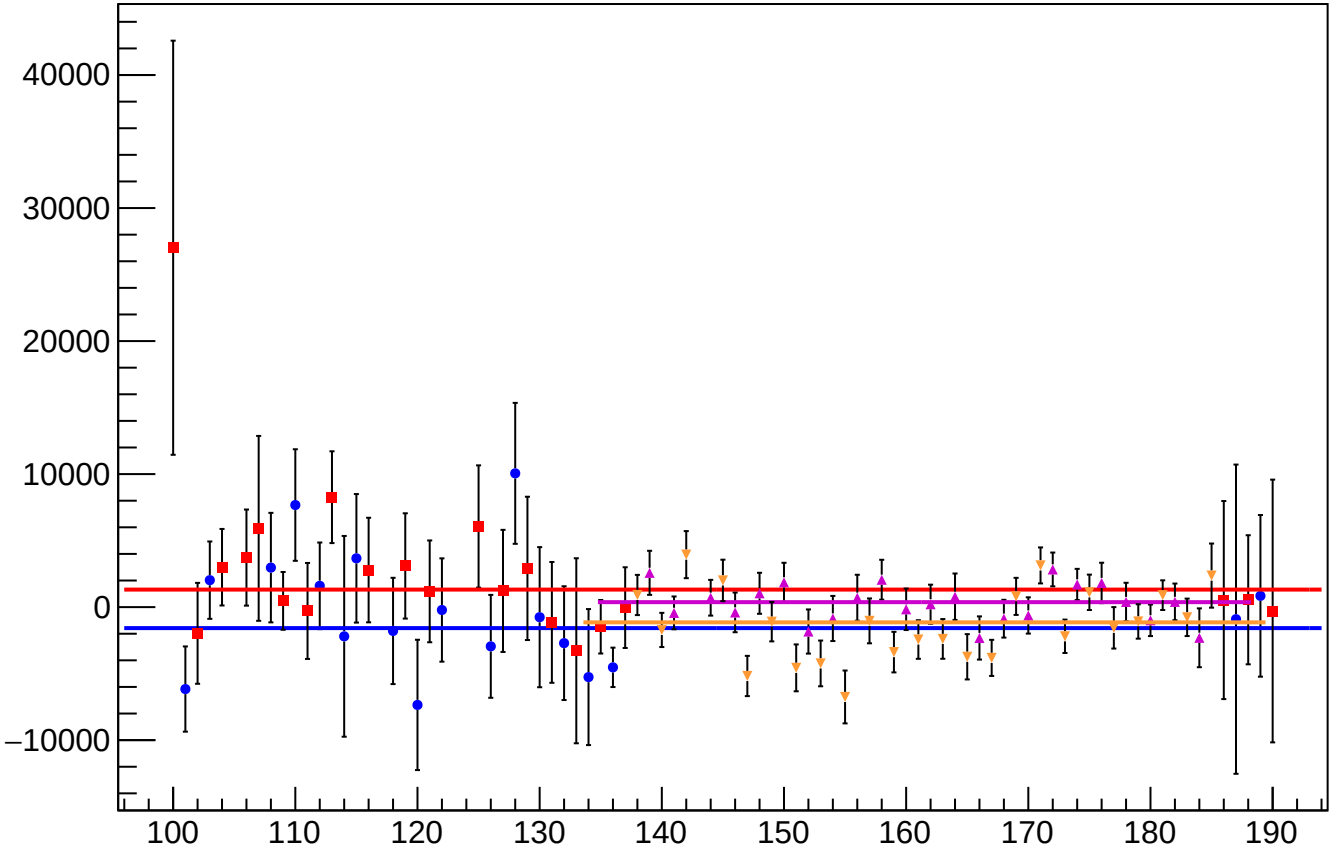
Right: 2108.948+/-0.366 χ^2/NDF: 473054.1/38

In: 2126.985+/-0.294 χ^2/NDF:277373.8/40

Out: 2116.151+/-0.287 χ^2/NDF:371336.4/44

All: 2121.430+/-0.205 χ^2/NDF: 649405.9/85

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1577.938+/-851.563 χ^2/NDF: 23.0/17

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1317.208+/-820.168 χ^2/NDF: 13.5/20

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

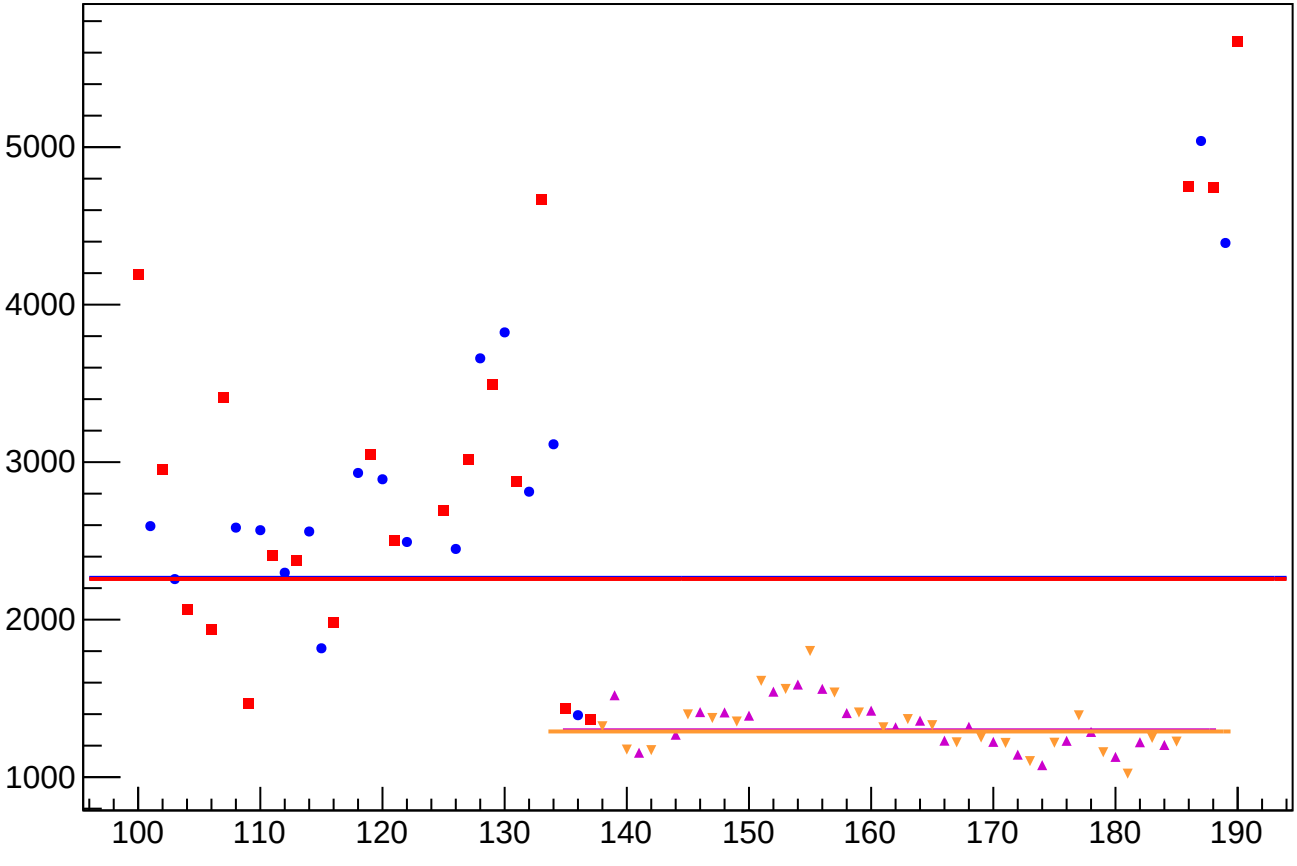
Right: -76.014+/-590.734 χ^2/NDF: 42.5/38

In: 150.965+/-287.453 χ^2/NDF:48.0/40

Out: -850.025+/-283.802 χ^2/NDF:89.0/44

All: -355.929+/-201.957 χ^2/NDF: 143.1/85

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2265.365+/-0.602 χ^2/NDF: 1617191.3/17

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2258.306+/-0.580 χ^2/NDF: 2494961.1/20

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

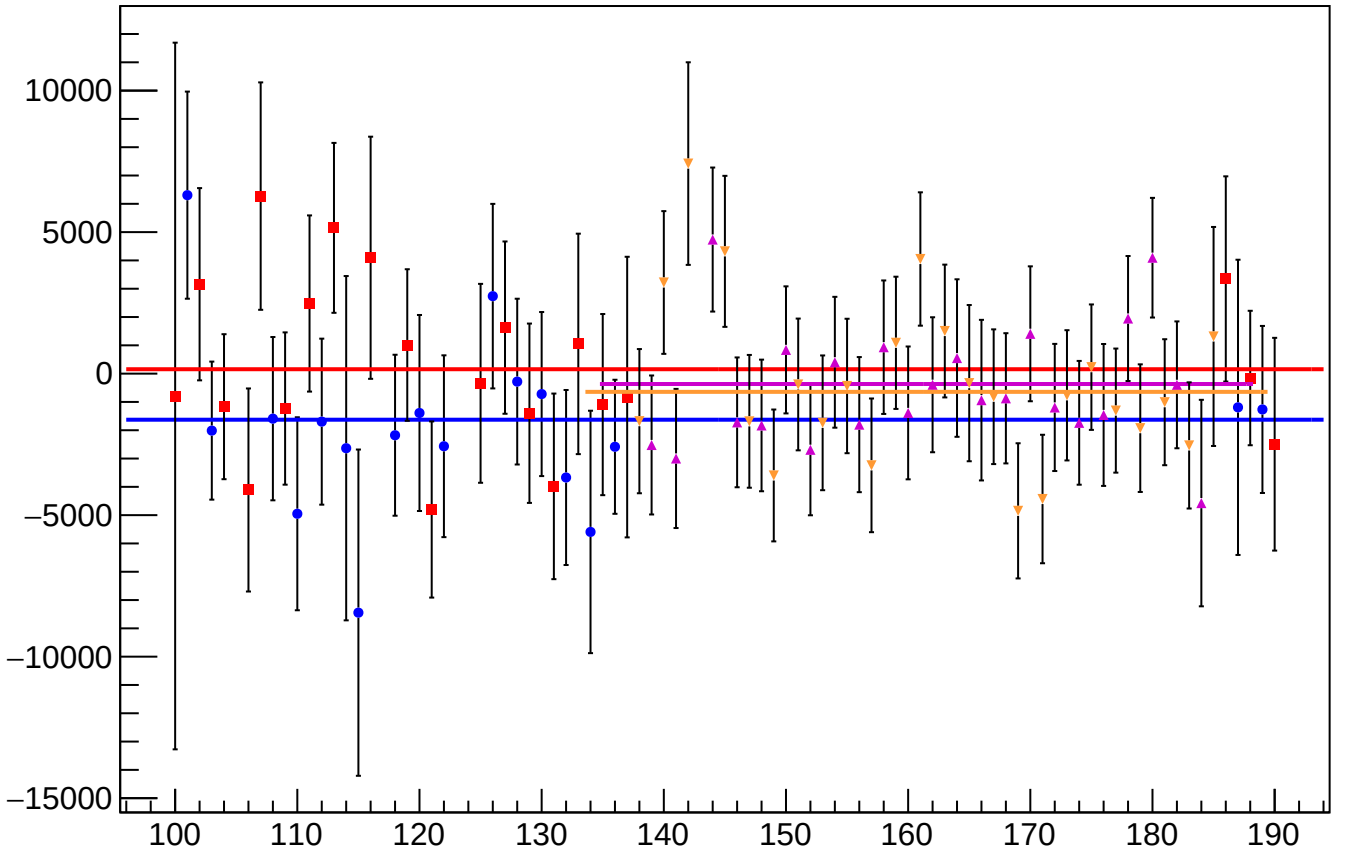
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2261.703+/-0.418 χ^2/NDF: 4112223.7/38

In: 1407.744+/-0.203 χ^2/NDF:4340609.7/40

Out: 1405.967+/-0.201 χ^2/NDF:5516693.1/44

All: 1406.844+/-0.143 χ^2/NDF: 9857341.6/85



Right In: -1628.040+/-756.981 χ^2/NDF: 10.8/17

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 155.817+/-717.047 χ^2/NDF: 15.5/20

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

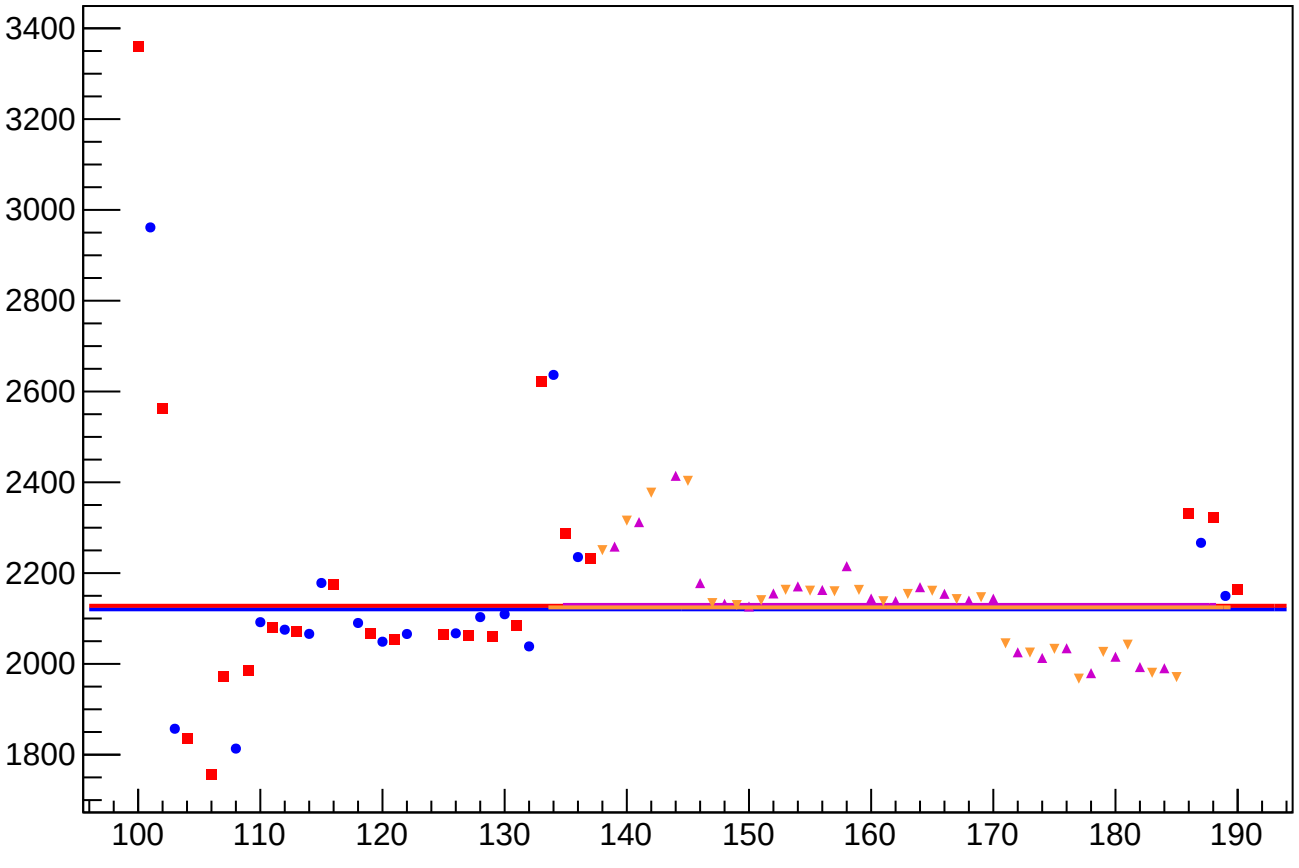
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -687.820+/-520.574 χ^2/NDF: 29.2/38

In: -747.563+/-415.981 χ^2/NDF:30.1/40

Out: -386.570+/-406.626 χ^2/NDF:43.5/44

All: -562.962+/-290.779 χ^2/NDF: 73.9/85



Right In: 2120.255+/-0.535 χ^2/NDF: 191793.2/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

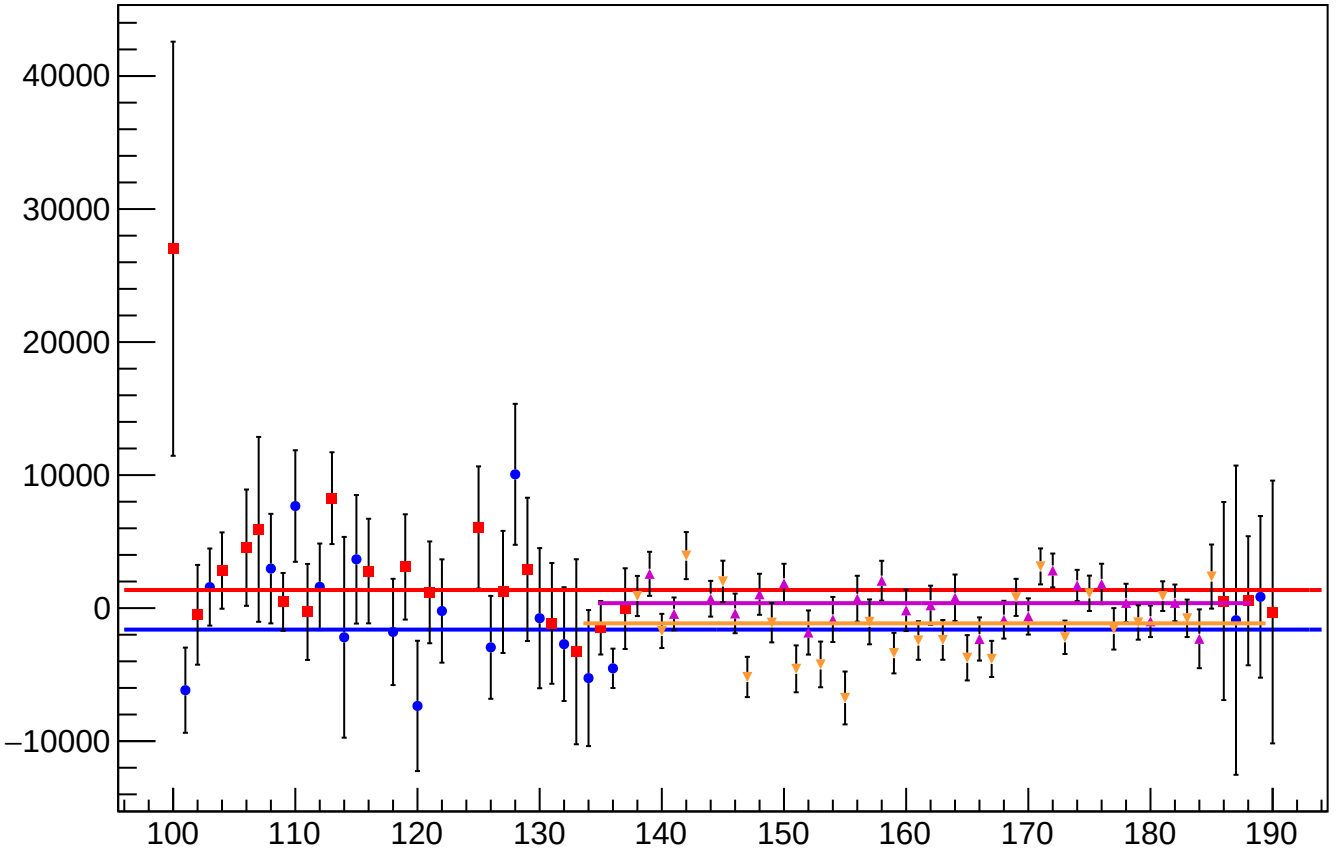
Right: 2124.346+/-0.368 χ^2/NDF: 364620.0/38

In: 2126.985+/-0.294 χ^2/NDF:277374.1/40

Out: 2125.588+/-0.288 χ^2/NDF:261933.8/44

All: 2126.271+/-0.206 χ^2/NDF: 539319.5/85

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1615.017+/-851.283 χ^2/NDF: 22.7/17

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

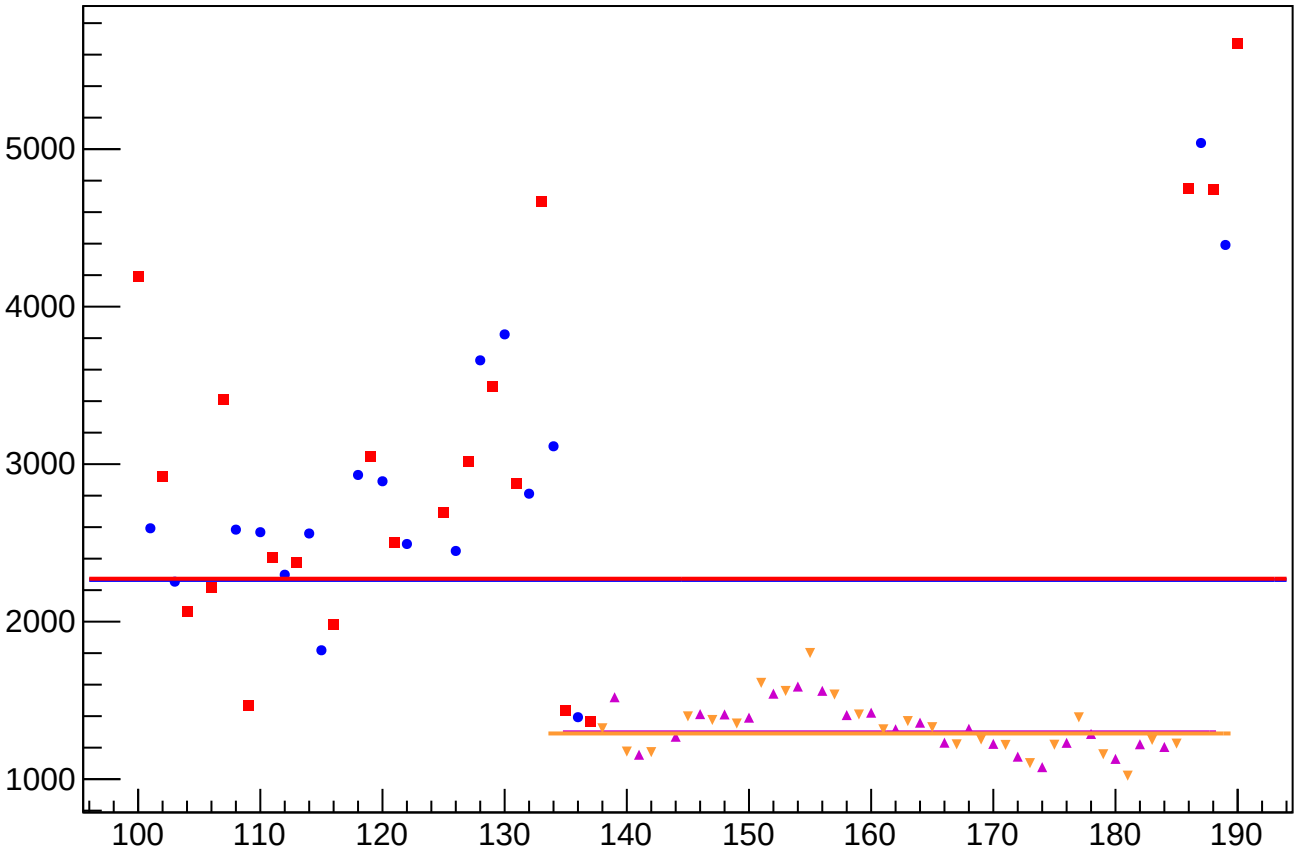
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -83.066+/-592.935 χ^2/NDF: 42.0/38

In: 146.504+/-287.443 χ^2/NDF:47.8/40

Out: -848.751+/-284.057 χ^2/NDF:88.7/44

All: -357.020+/-202.045 χ^2/NDF: 142.5/85



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

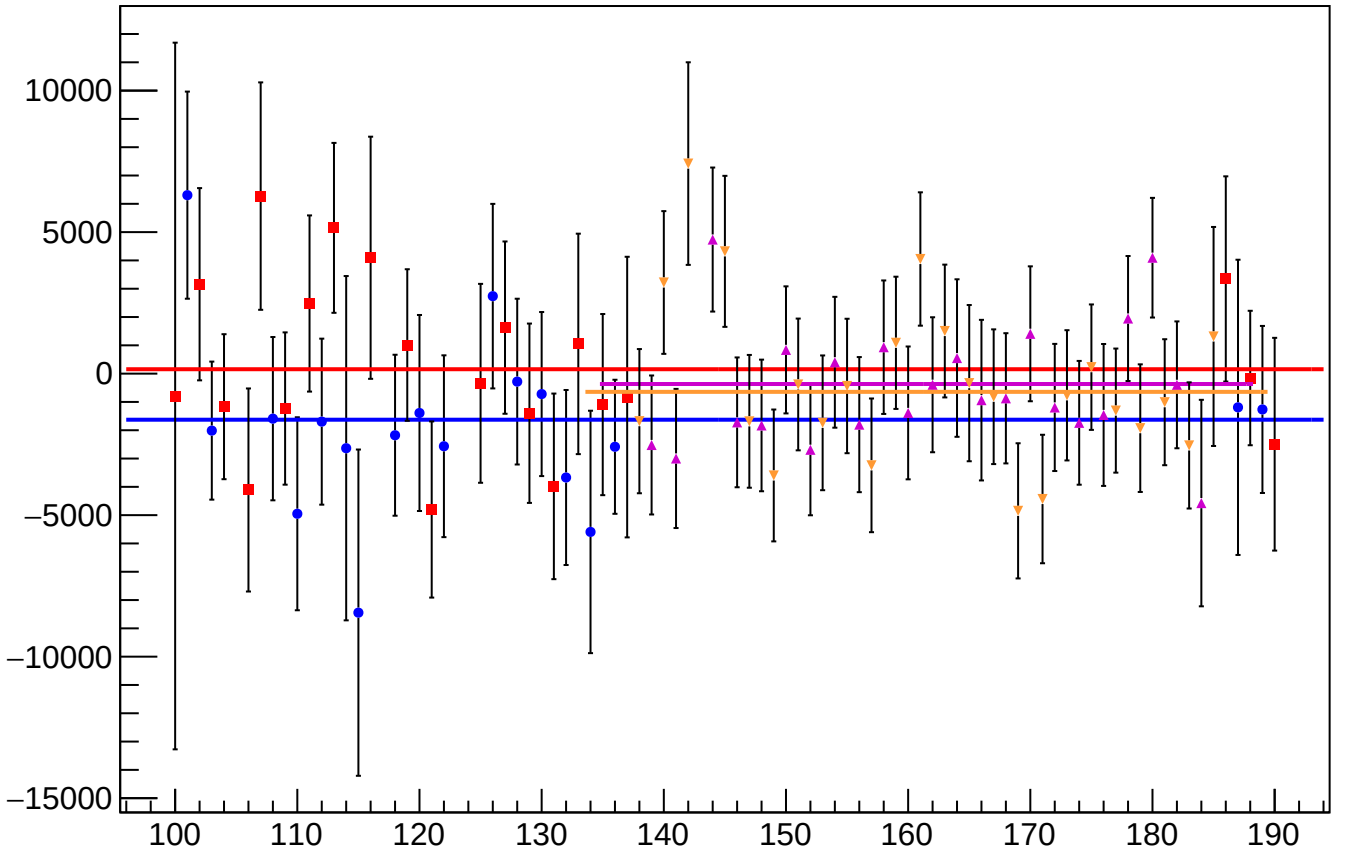
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2268.863+/-0.419 χ^2/NDF: 4092151.5/38

In: 1407.770+/-0.203 χ^2/NDF:4340077.8/40

Out: 1406.133+/-0.201 χ^2/NDF:5535913.2/44

All: 1406.942+/-0.143 χ^2/NDF: 9876023.9/85



Right In: -1628.040+/-756.981 χ^2/NDF: 10.8/17

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 155.817+/-717.047 χ^2/NDF: 15.5/20

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

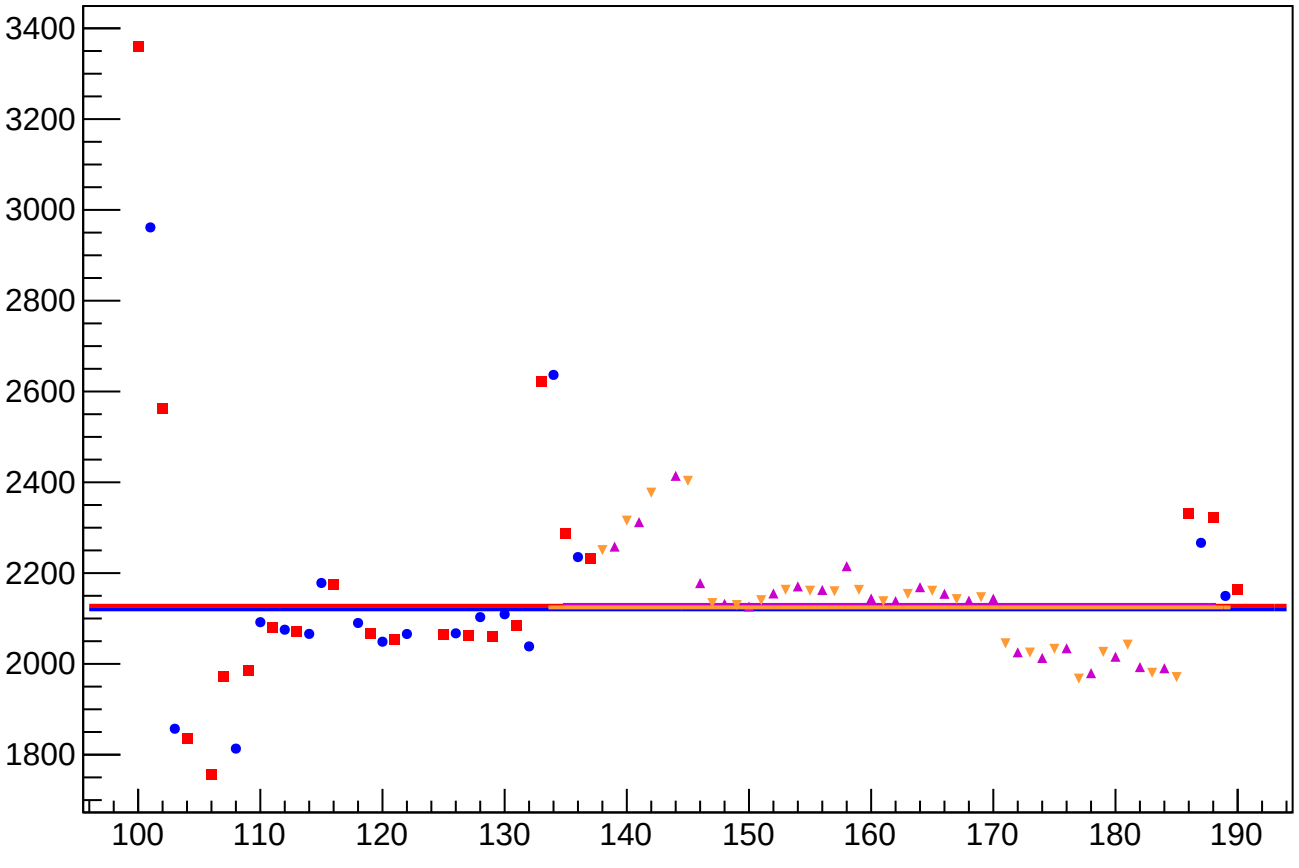
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -687.820+/-520.574 χ^2/NDF: 29.2/38

In: -747.563+/-415.981 χ^2/NDF:30.1/40

Out: -386.570+/-406.626 χ^2/NDF:43.5/44

All: -562.962+/-290.779 χ^2/NDF: 73.9/85



Right In: 2120.255+/-0.535 χ^2/NDF: 191793.2/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

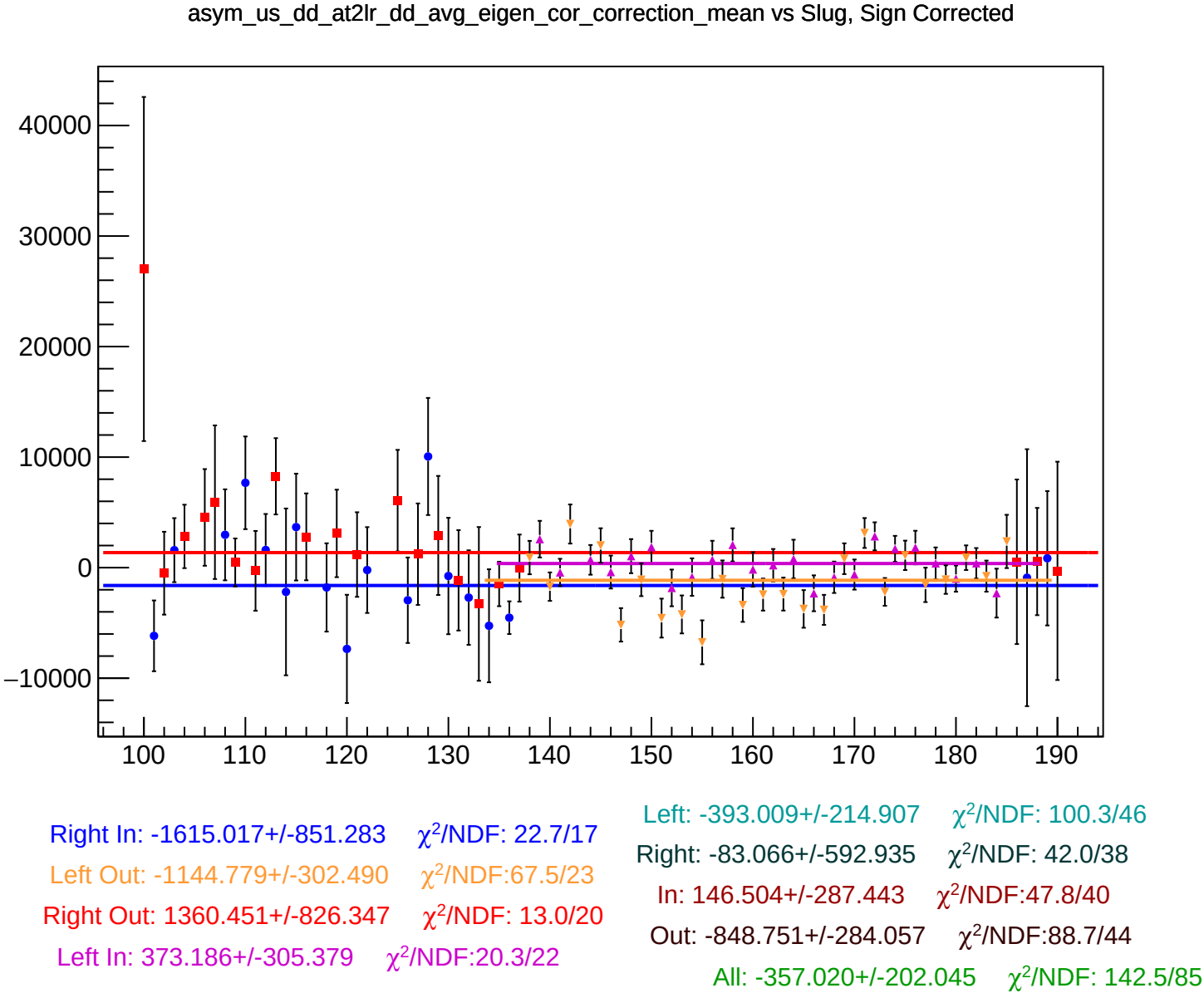
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2124.346+/-0.368 χ^2/NDF: 364620.0/38

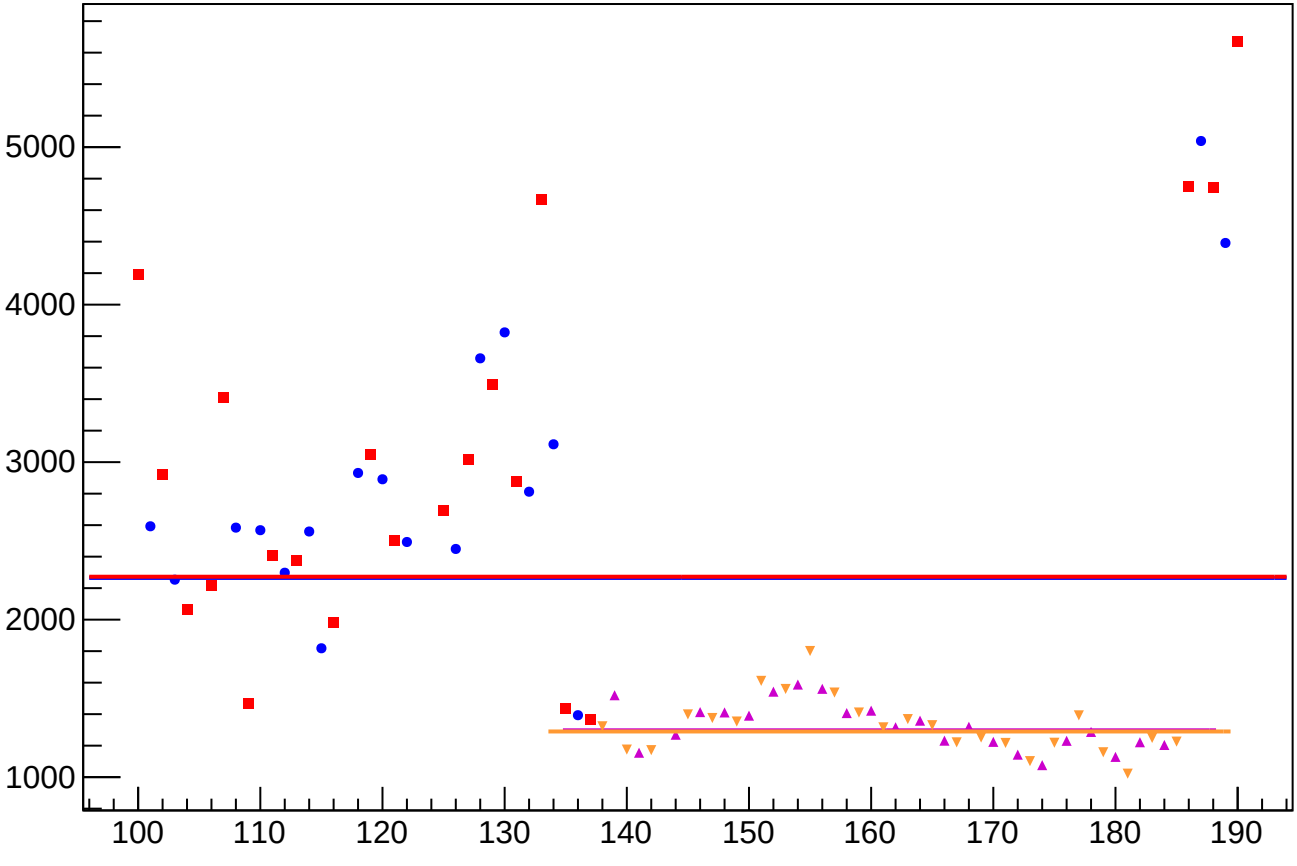
In: 2126.985+/-0.294 χ^2/NDF:277374.1/40

Out: 2125.588+/-0.288 χ^2/NDF:261933.8/44

All: 2126.271+/-0.206 χ^2/NDF: 539319.5/85


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1615.017+/-851.283 χ²/NDF: 22.7/17
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: 1360.451+/-826.347 χ²/NDF: 13.0/20
Left In: 373.186+/-305.379 χ²/NDF:20.3/22
Left: -393.009+/-214.907 χ²/NDF: 100.3/46
Right: -83.066+/-592.935 χ²/NDF: 42.0/38
In: 146.504+/-287.443 χ²/NDF:47.8/40
Out: -848.751+/-284.057 χ²/NDF:88.7/44
All: -357.020+/-202.045 χ²/NDF: 142.5/85

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

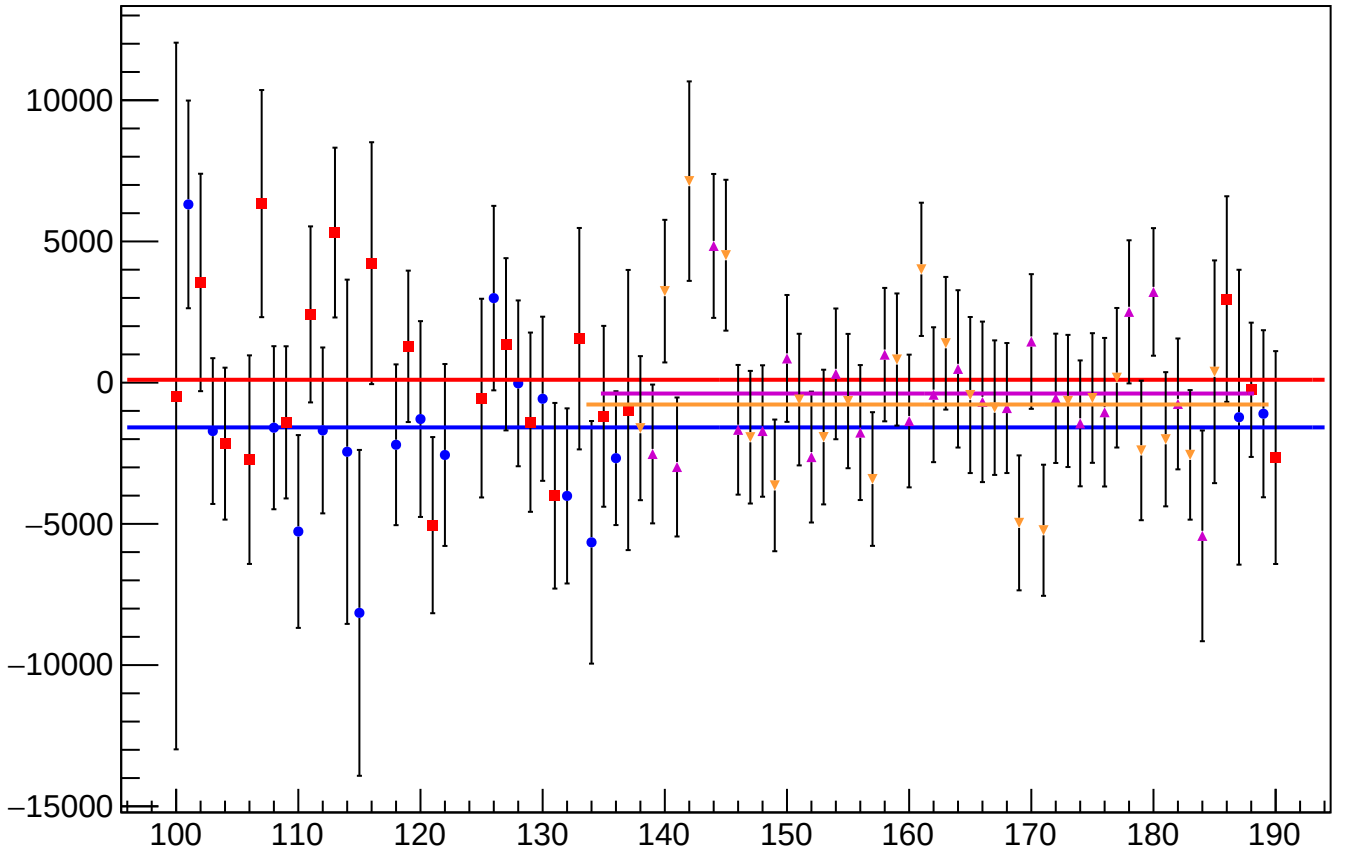
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2268.863+/-0.419 χ^2/NDF: 4092151.5/38

In: 1407.770+/-0.203 χ^2/NDF:4340077.8/40

Out: 1406.133+/-0.201 χ^2/NDF:5535913.2/44

All: 1406.942+/-0.143 χ^2/NDF: 9876023.9/85



Right In: -1584.041+/-762.168 χ^2/NDF: 11.4/17

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 102.118+/-725.195 χ^2/NDF: 15.7/20

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

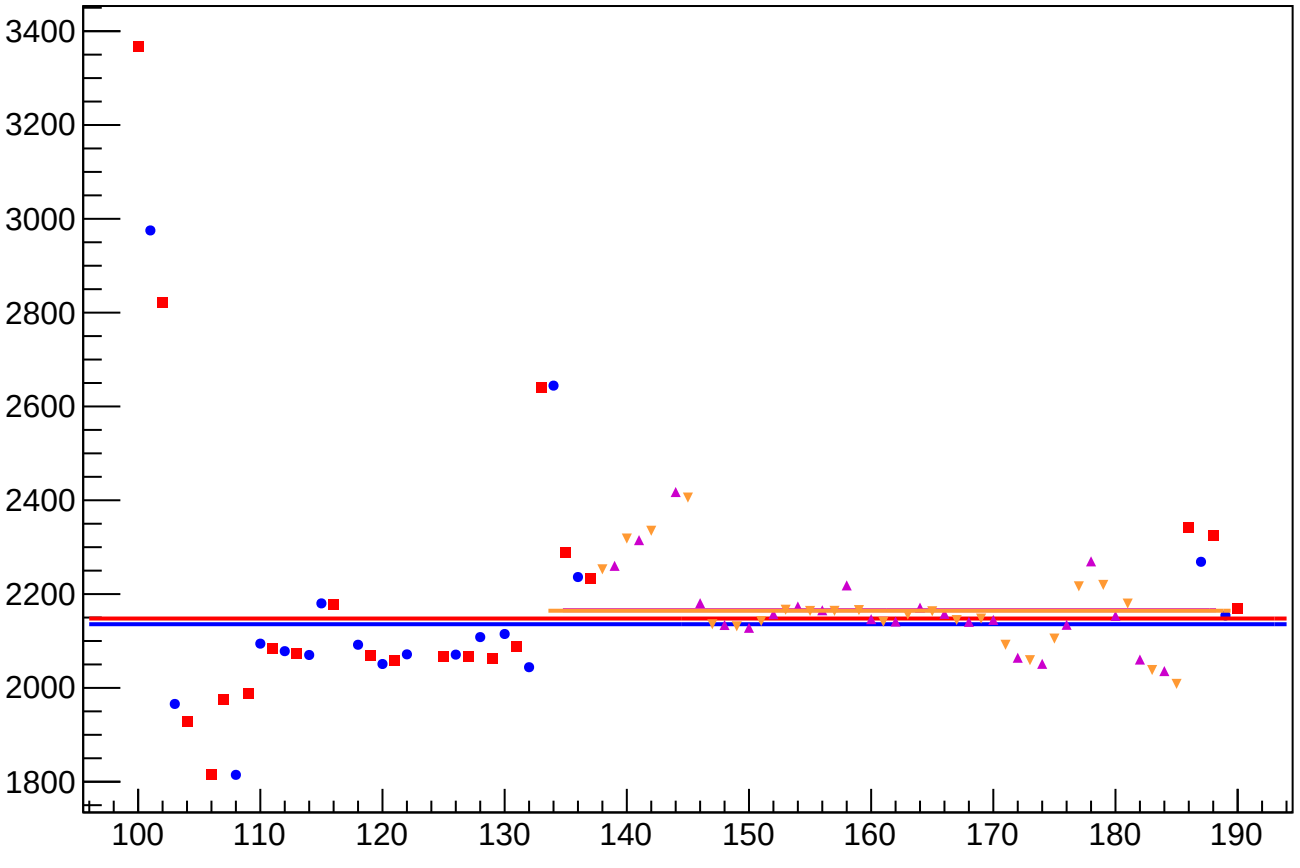
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -699.074+/-525.375 χ^2/NDF: 29.7/38

In: -752.051+/-421.586 χ^2/NDF:28.7/40

Out: -489.274+/-413.210 χ^2/NDF:45.3/44

All: -618.026+/-295.100 χ^2/NDF: 74.2/85



Right In: 2135.768+/-0.539 χ^2/NDF: 177385.5/17

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2147.905+/-0.513 χ^2/NDF: 183272.1/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

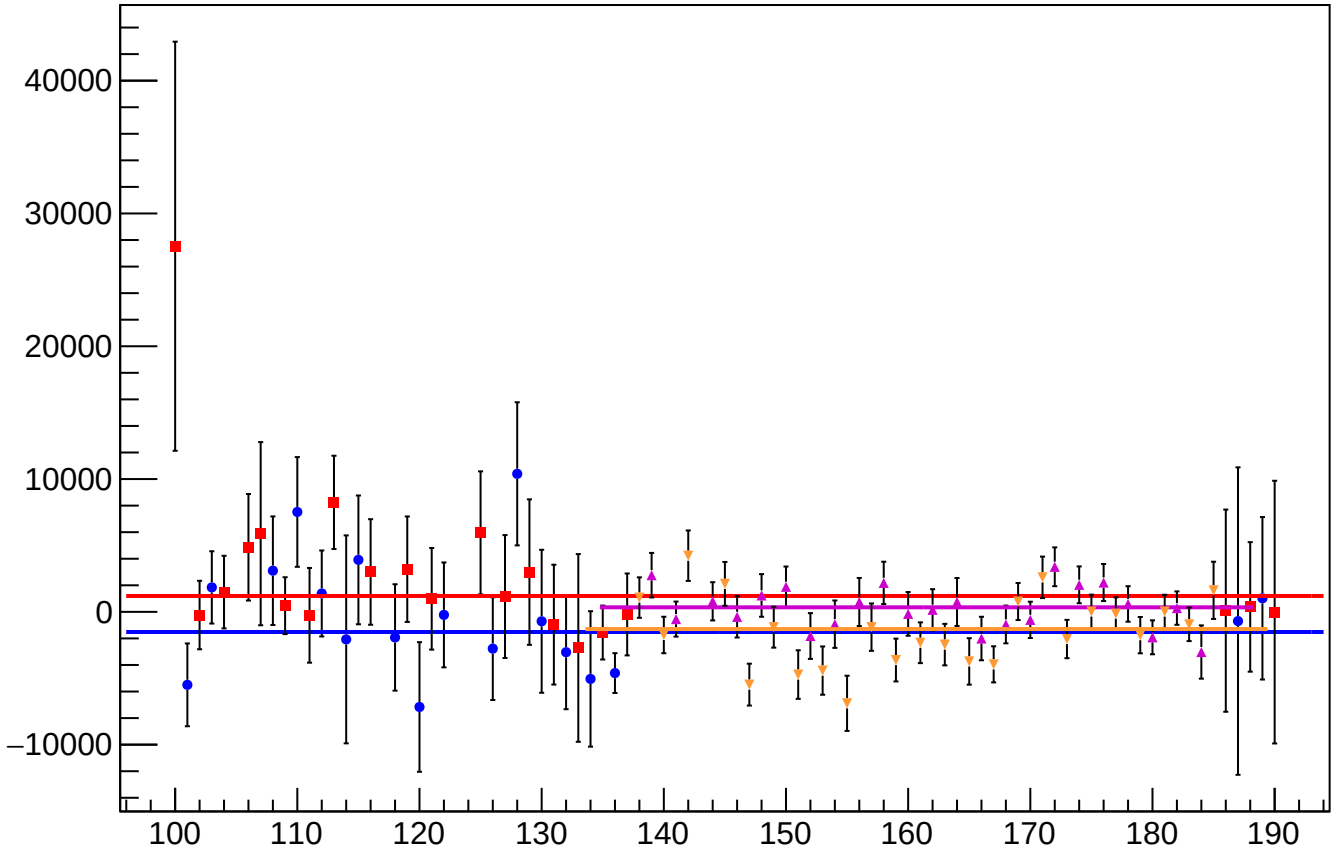
Right: 2142.138+/-0.371 χ^2/NDF: 360923.8/38

In: 2156.502+/-0.298 χ^2/NDF:231642.8/40

Out: 2159.134+/-0.292 χ^2/NDF:234658.4/44

All: 2157.845+/-0.209 χ^2/NDF: 466340.9/85

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1516.404+/-849.093 χ^2/NDF: 22.8/17

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1196.535+/-801.269 χ^2/NDF: 13.1/20

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

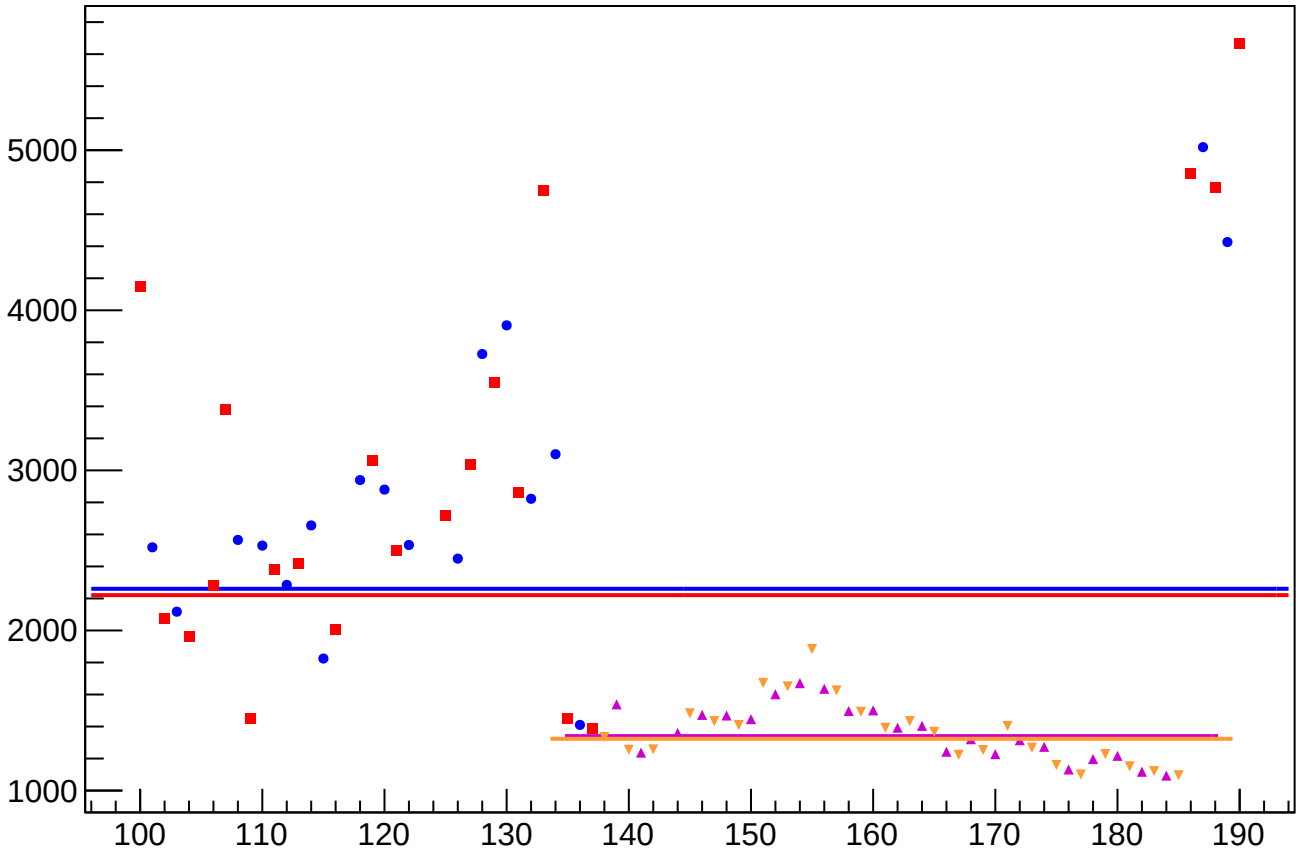
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -81.386+/-582.756 χ^2/NDF: 41.3/38

In: 115.810+/-295.798 χ^2/NDF:51.8/40

Out: -968.369+/-289.621 χ^2/NDF:80.2/44

All: -437.718+/-206.942 χ^2/NDF: 138.8/85



Right In: 2260.377+/-0.600 χ^2/NDF: 1596349.9/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2220.721+/-0.567 χ^2/NDF: 2450103.1/20

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

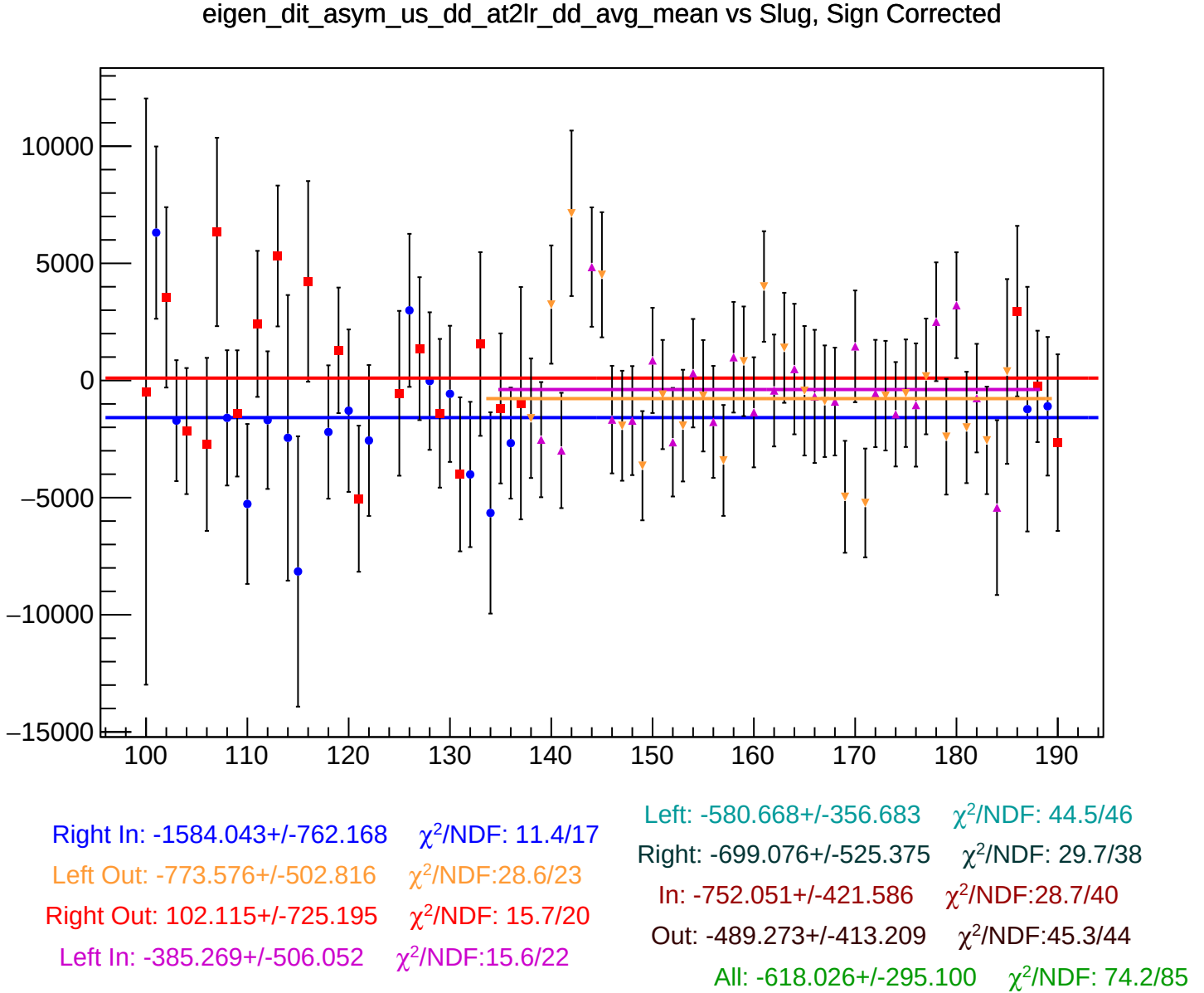
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

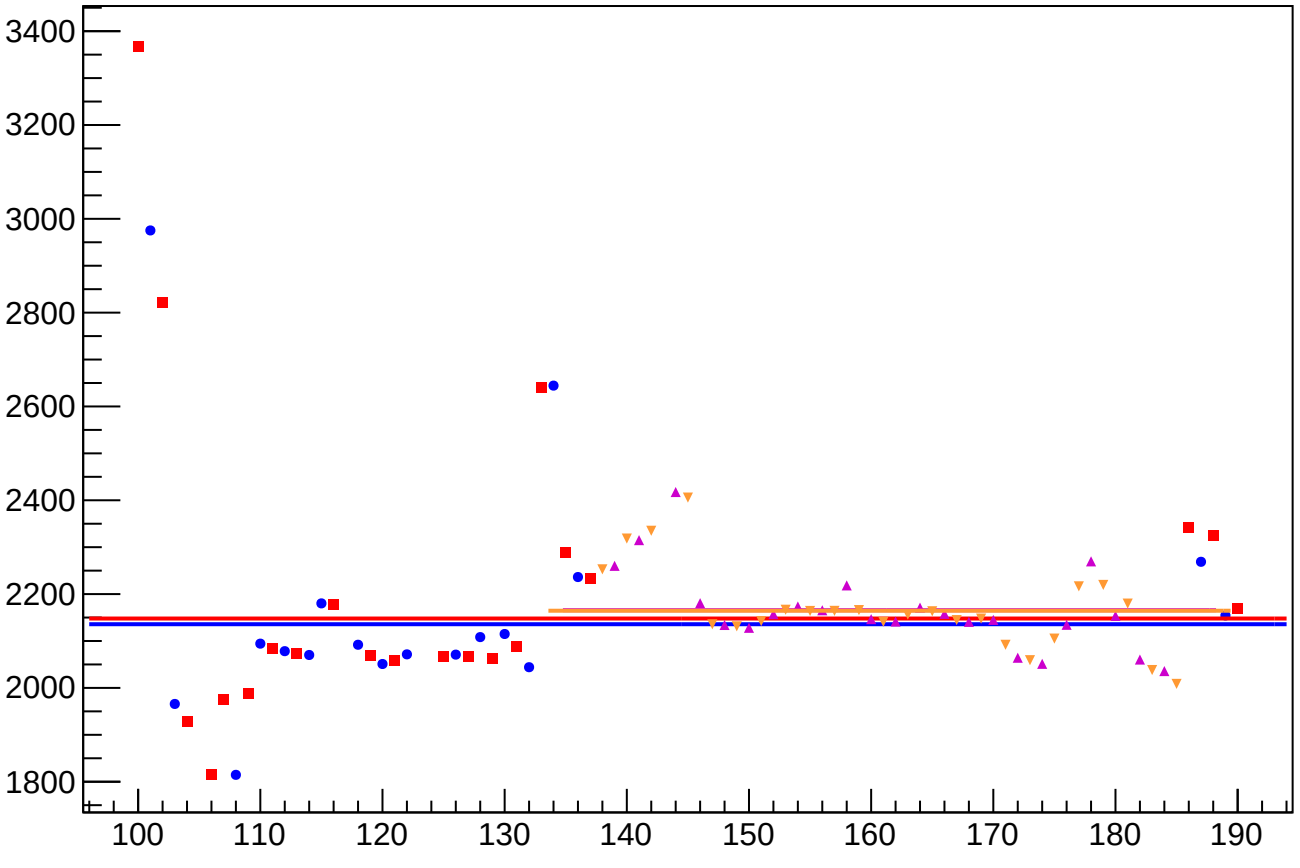
Right: 2239.401+/-0.412 χ^2/NDF: 4048760.5/38

In: 1451.772+/-0.209 χ^2/NDF:4154958.4/40

Out: 1440.635+/-0.205 χ^2/NDF:5294492.7/44

All: 1446.086+/-0.146 χ^2/NDF: 9450898.6/85


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -1584.043+/-762.168 χ²/NDF: 11.4/17
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 102.115+/-725.195 χ²/NDF: 15.7/20
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -699.076+/-525.375 χ²/NDF: 29.7/38
In: -752.051+/-421.586 χ²/NDF:28.7/40
Out: -489.273+/-413.209 χ²/NDF:45.3/44
All: -618.026+/-295.100 χ²/NDF: 74.2/85



Right In: 2135.767+/-0.539 χ^2/NDF: 177385.5/17

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2147.905+/-0.513 χ^2/NDF: 183272.0/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

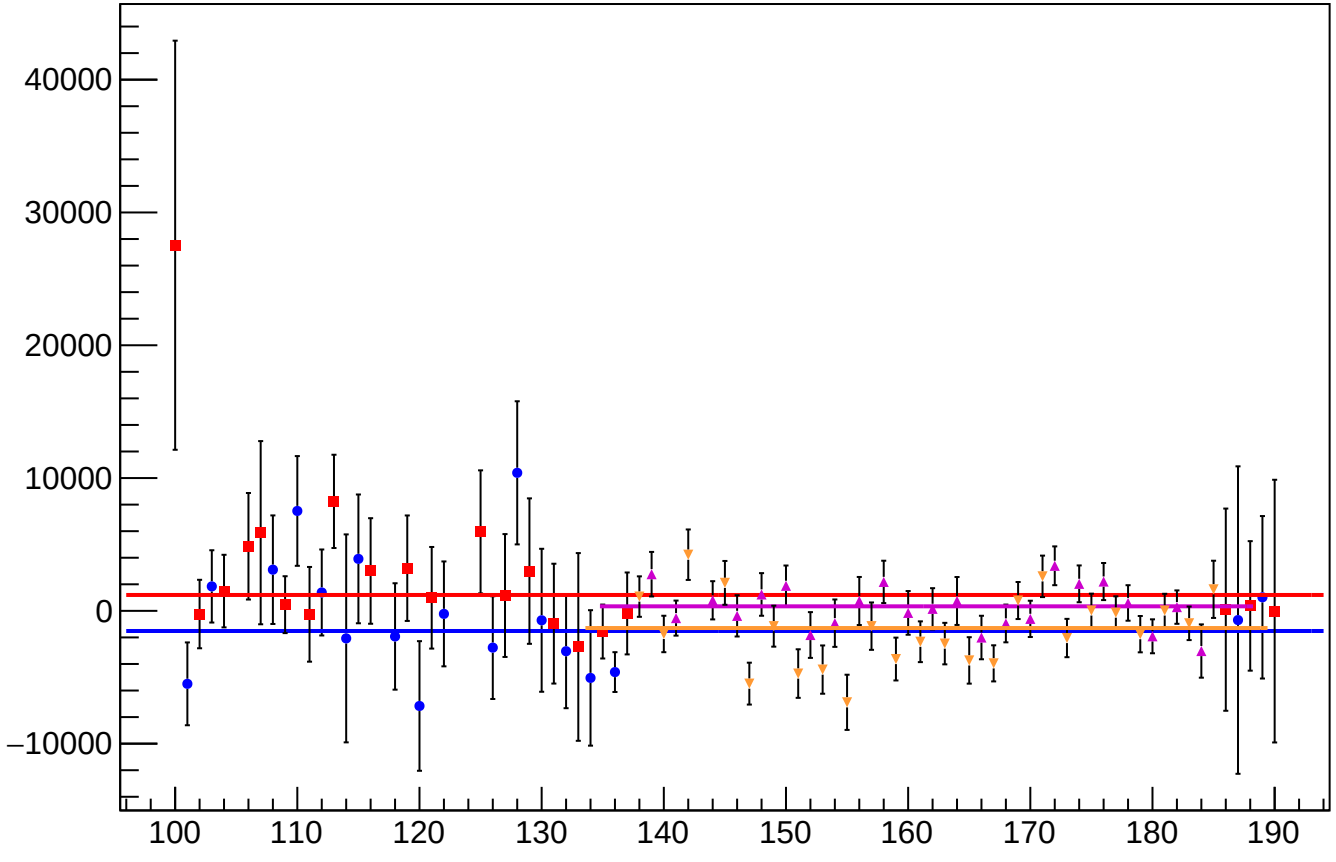
Right: 2142.138+/-0.371 χ^2/NDF: 360923.7/38

In: 2156.502+/-0.298 χ^2/NDF:231642.7/40

Out: 2159.134+/-0.292 χ^2/NDF:234658.4/44

All: 2157.844+/-0.209 χ^2/NDF: 466340.8/85

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1516.391+/-849.096 χ^2/NDF: 22.8/17

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1196.549+/-801.272 χ^2/NDF: 13.1/20

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

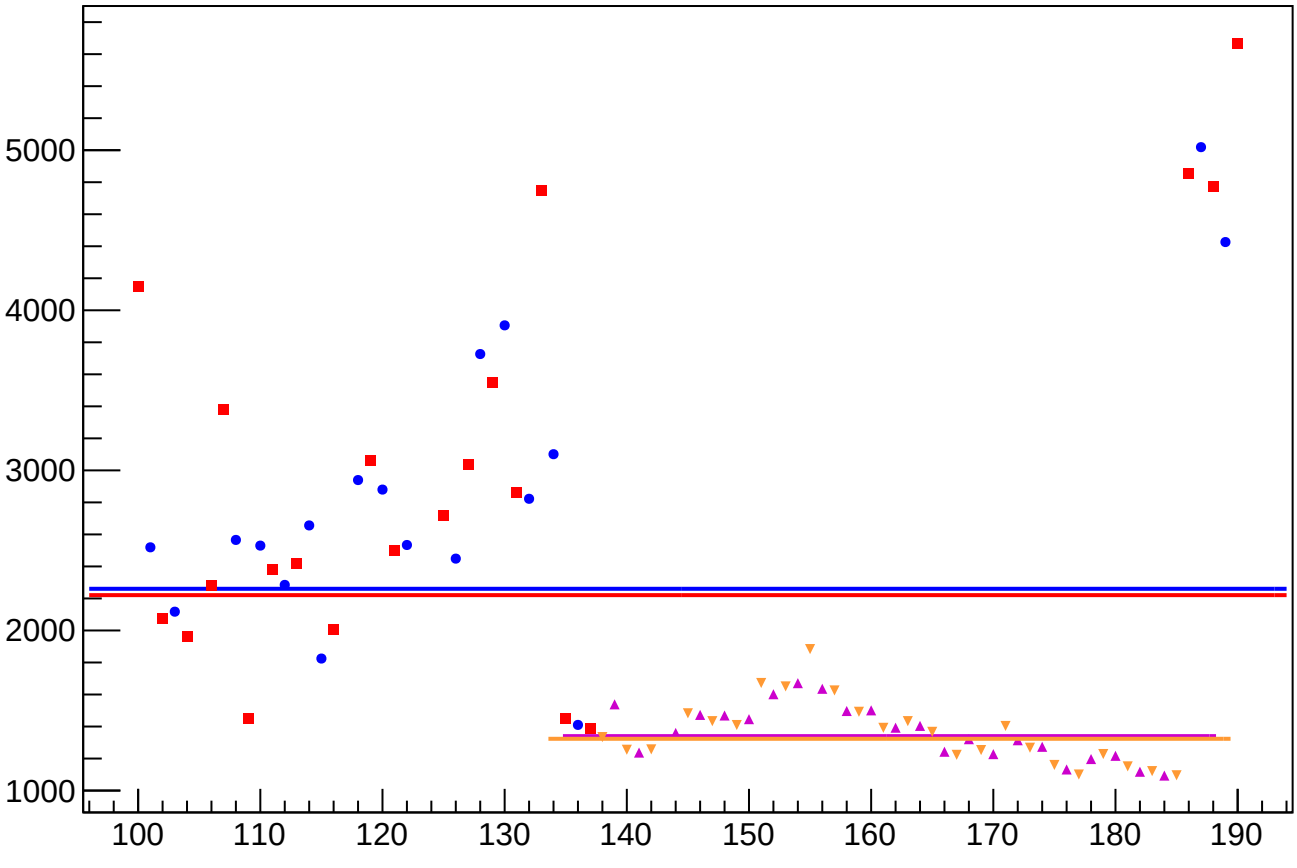
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: -81.373+/-582.758 χ^2/NDF: 41.3/38

In: 115.811+/-295.798 χ^2/NDF:51.8/40

Out: -968.371+/-289.621 χ^2/NDF:80.2/44

All: -437.718+/-206.942 χ^2/NDF: 138.8/85



Right In: 2260.389+/-0.600 χ^2/NDF: 1596287.2/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2220.733+/-0.567 χ^2/NDF: 2450047.8/20

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

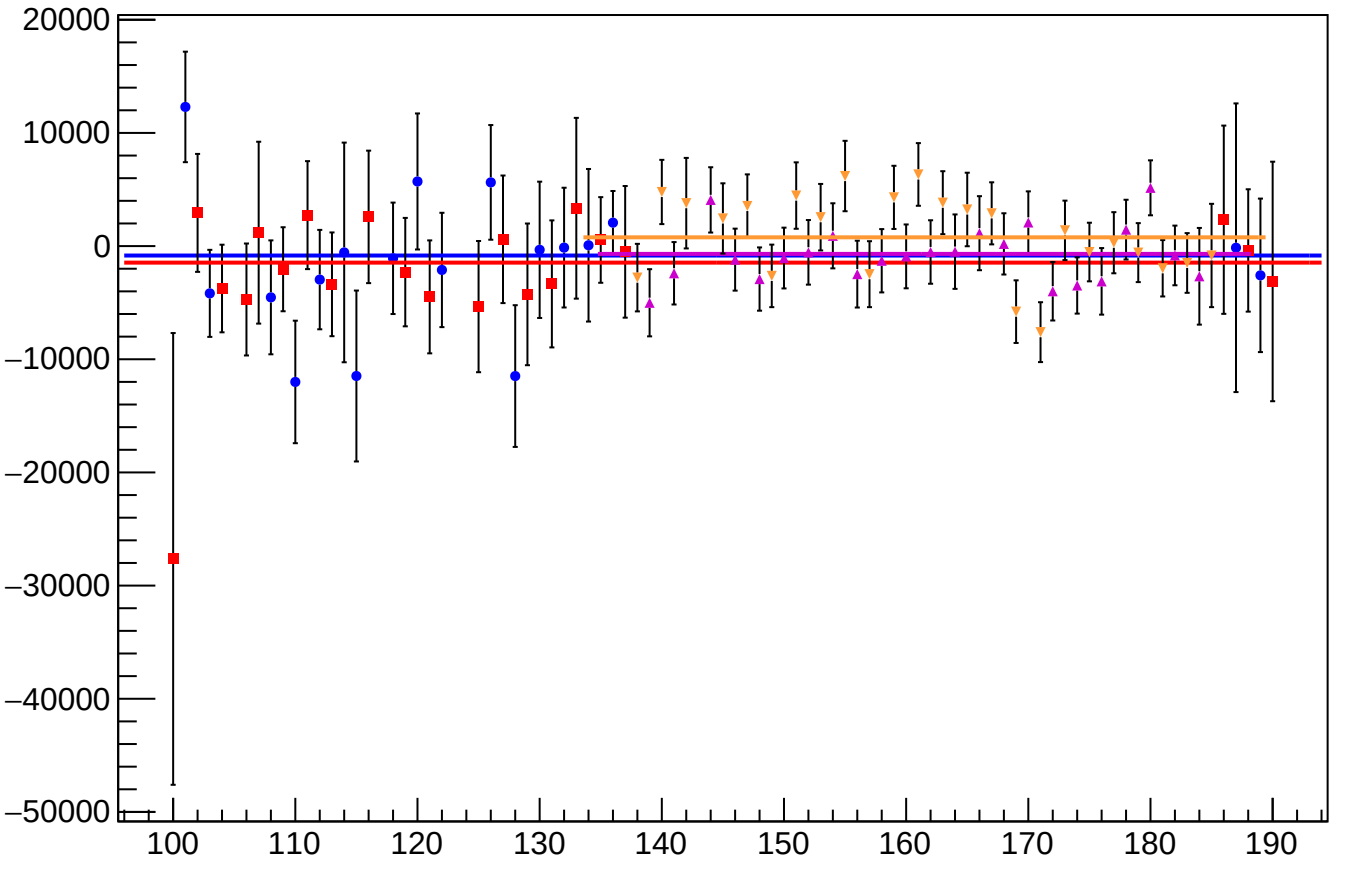
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2239.413+/-0.412 χ^2/NDF: 4048642.6/38

In: 1451.772+/-0.209 χ^2/NDF:4154955.2/40

Out: 1440.636+/-0.205 χ^2/NDF:5294483.8/44

All: 1446.086+/-0.146 χ^2/NDF: 9450886.2/85



Right In: -833.786+/-1215.847 χ^2/NDF: 22.0/17

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1460.640+/-1169.931 χ^2/NDF: 7.0/20

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

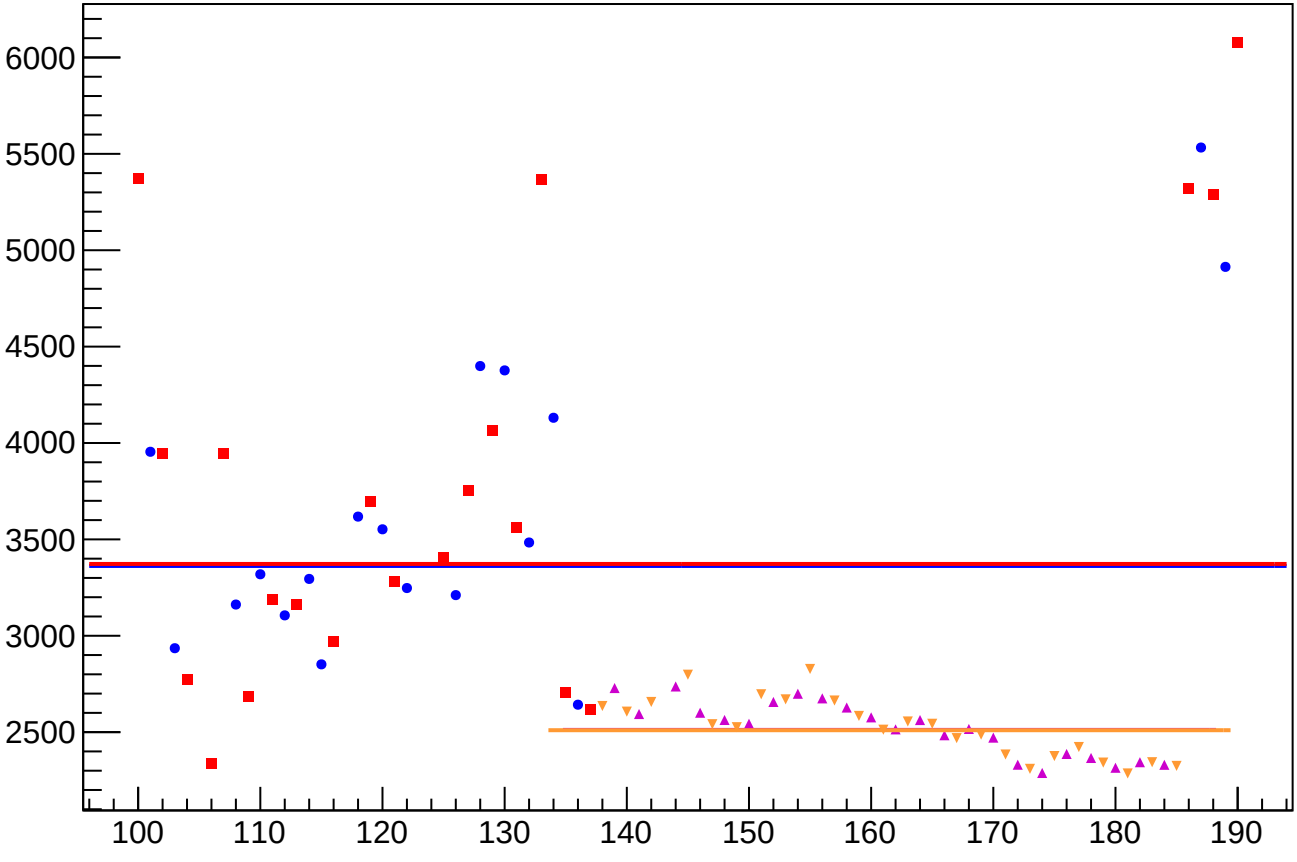
Right: -1159.273+/-843.031 χ^2/NDF: 29.1/38

In: -717.196+/-528.932 χ^2/NDF:40.3/40

Out: 329.259+/-522.297 χ^2/NDF:49.3/44

All: -187.365+/-371.643 χ^2/NDF: 91.6/85

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3362.267+/-0.860 χ^2/NDF: 517006.5/17

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3372.509+/-0.827 χ^2/NDF: 1032933.2/20

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

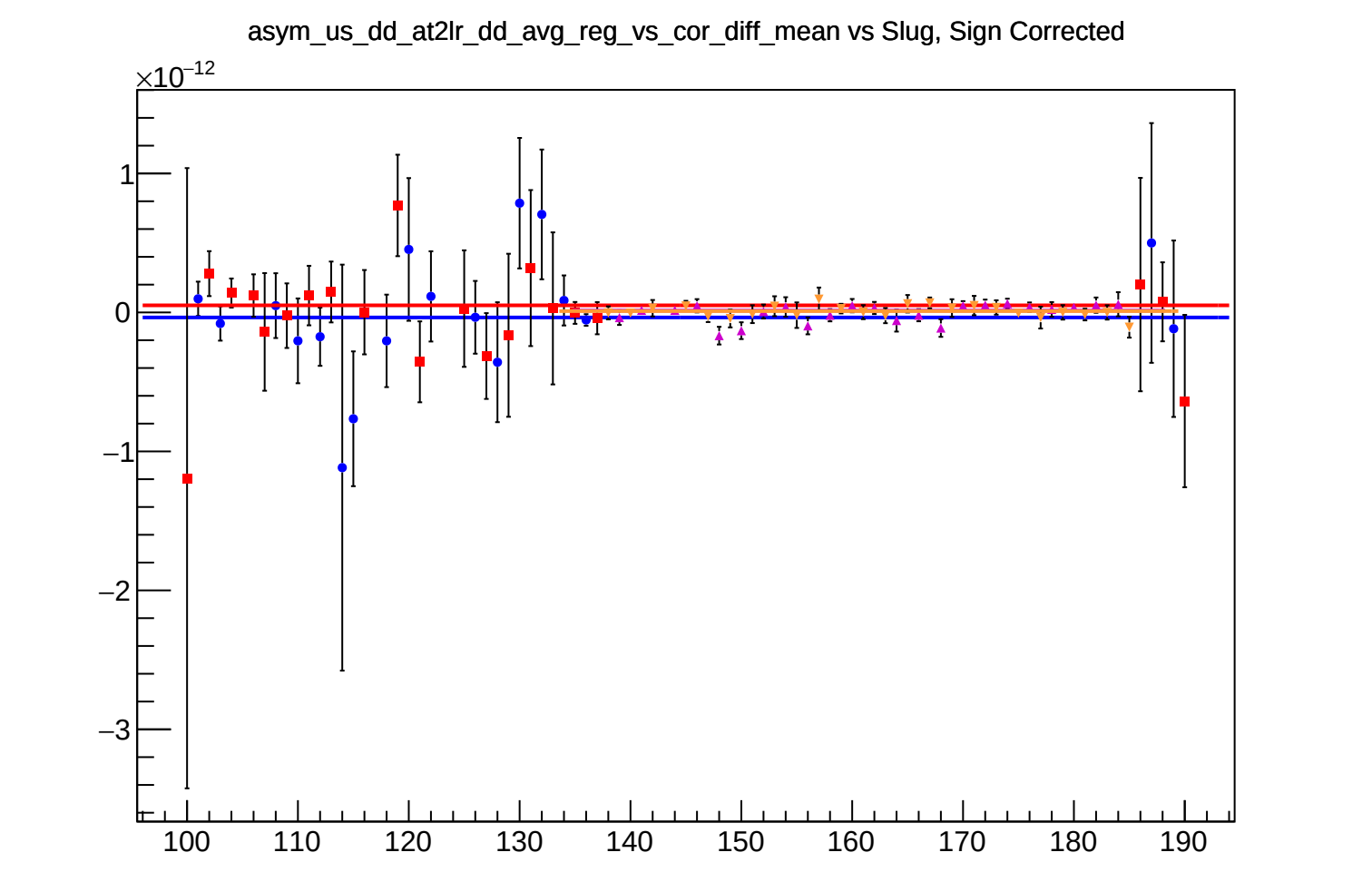
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3367.585+/-0.596 χ^2/NDF: 1550013.3/38

In: 2672.601+/-0.374 χ^2/NDF:1424208.5/40

Out: 2681.960+/-0.369 χ^2/NDF:2031816.5/44

All: 2677.340+/-0.263 χ^2/NDF: 3456341.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

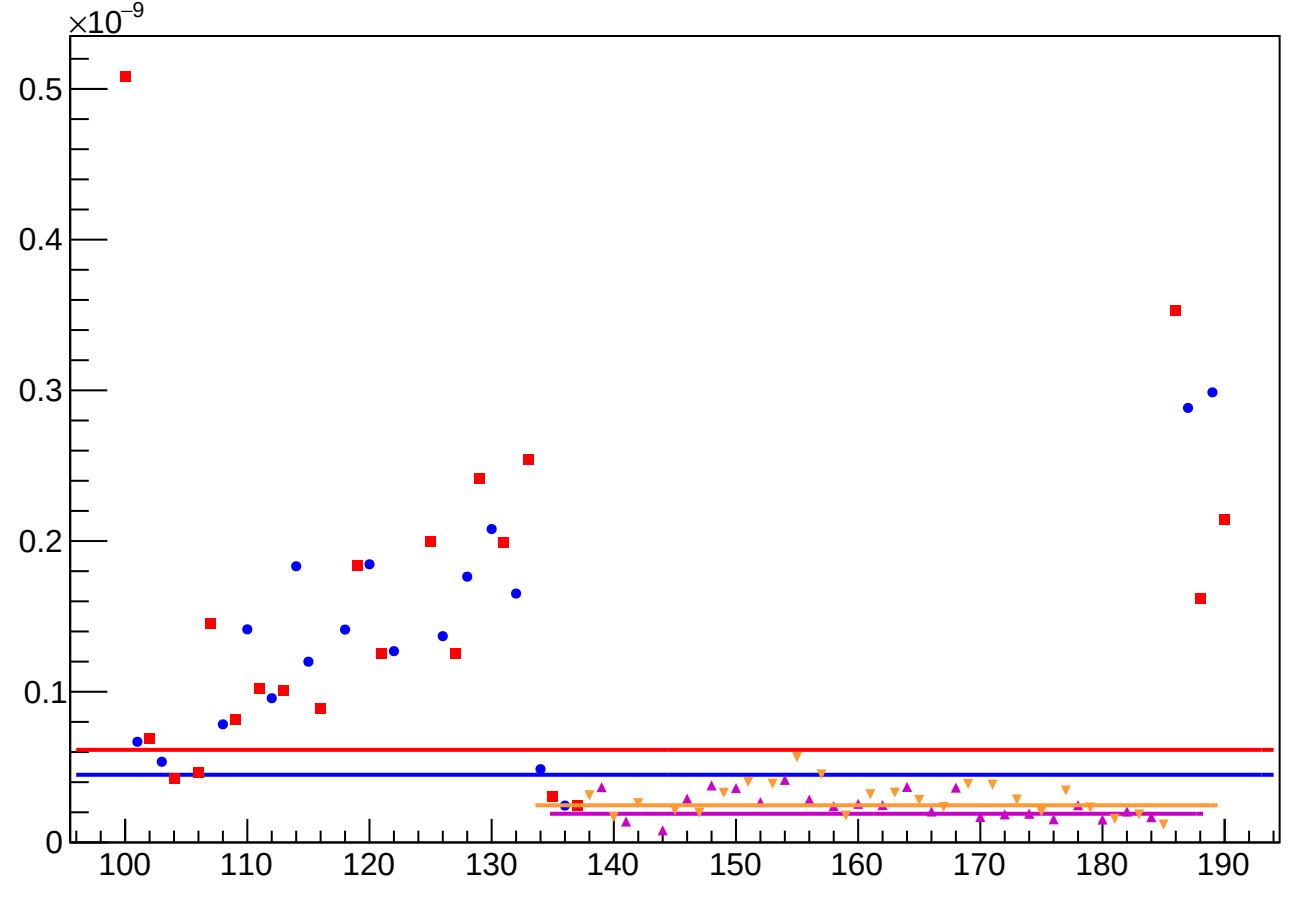
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 30.0/38

In: 0.000+/-0.000 χ^2/NDF:46.5/40

Out: 0.000+/-0.000 χ^2/NDF:26.9/44

All: 0.000+/-0.000 χ^2/NDF: 73.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2708979.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2762906.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

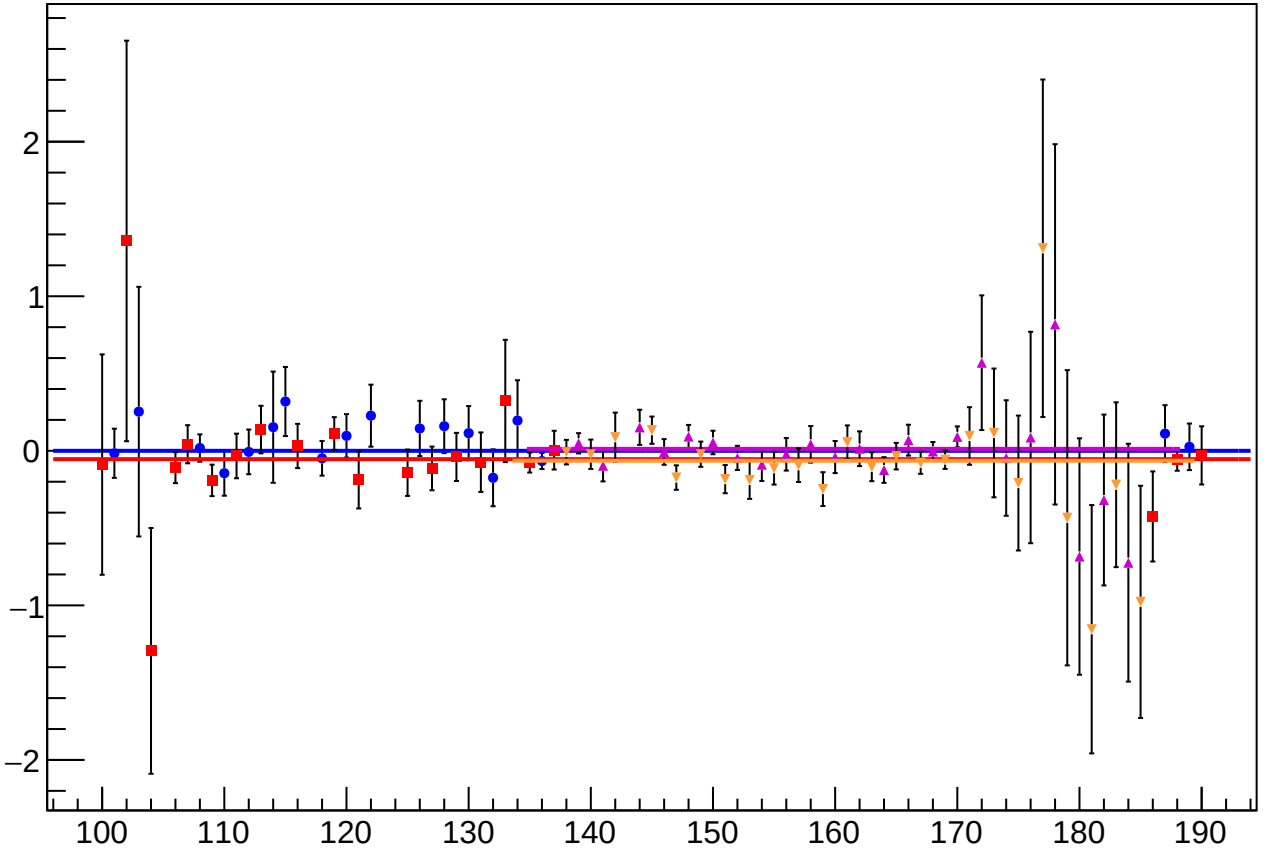
Right: 0.000+/-0.000 χ^2/NDF: 5654247.1/38

In: 0.000+/-0.000 χ^2/NDF:5971514.6/40

Out: 0.000+/-0.000 χ^2/NDF:5583080.4/44

All: 0.000+/-0.000 χ^2/NDF: 12002167.5/85

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

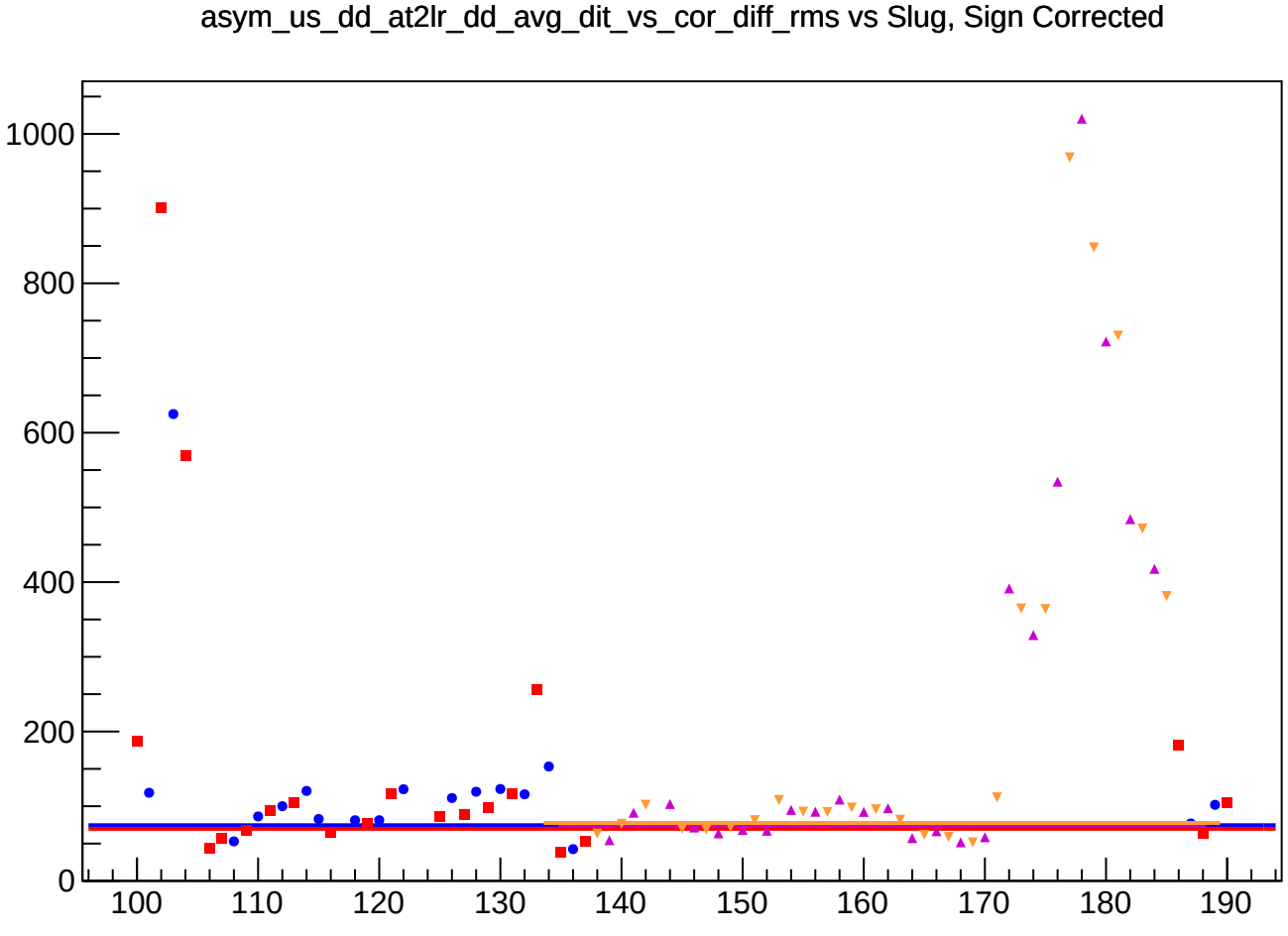
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.029+/-0.021 χ^2/NDF: 27.1/38

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.026+/-0.012 χ^2/NDF: 70.8/85



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

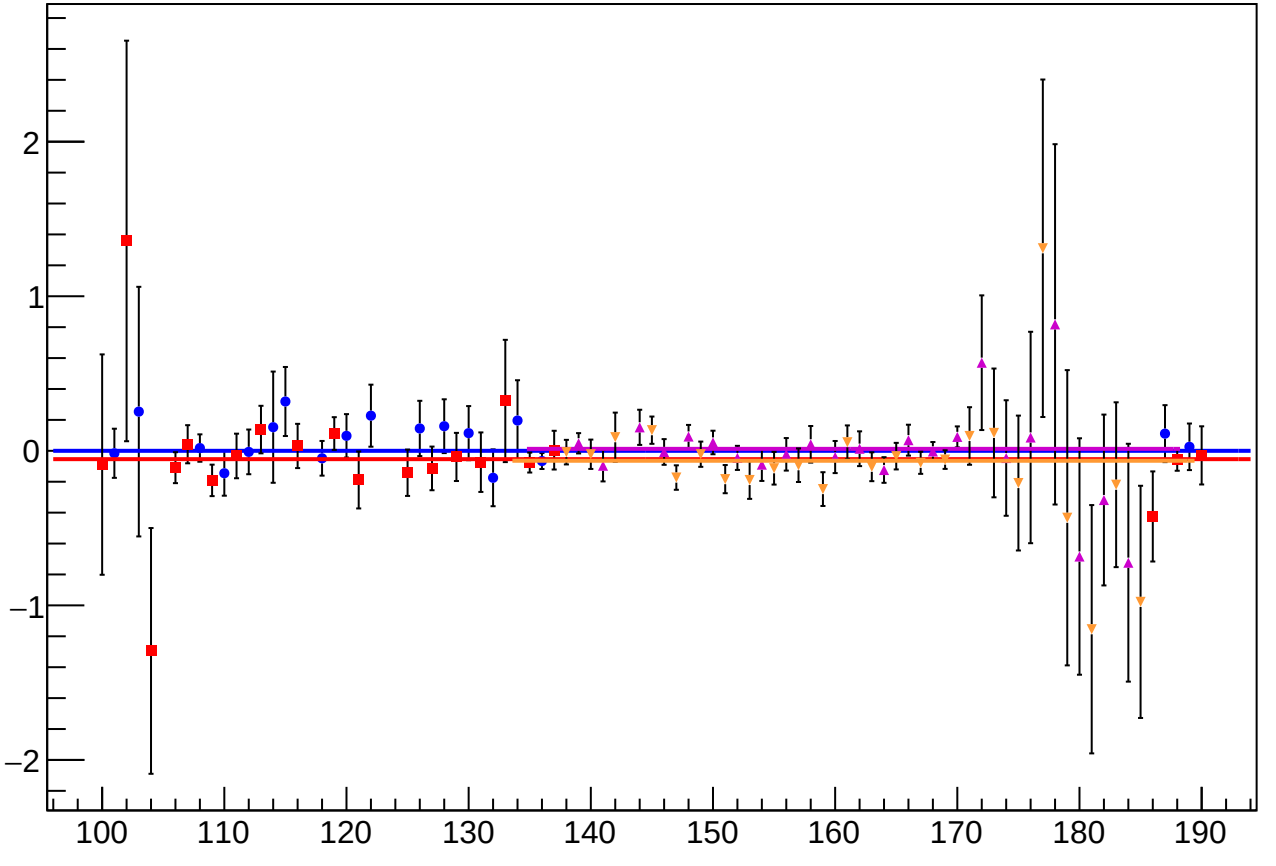
Right: 71.961+/-0.015 χ^2/NDF: 6661918.3/38

In: 74.324+/-0.012 χ^2/NDF:11438328.7/40

Out: 74.617+/-0.012 χ^2/NDF:12135866.4/44

All: 74.470+/-0.009 χ^2/NDF: 23574475.4/85

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

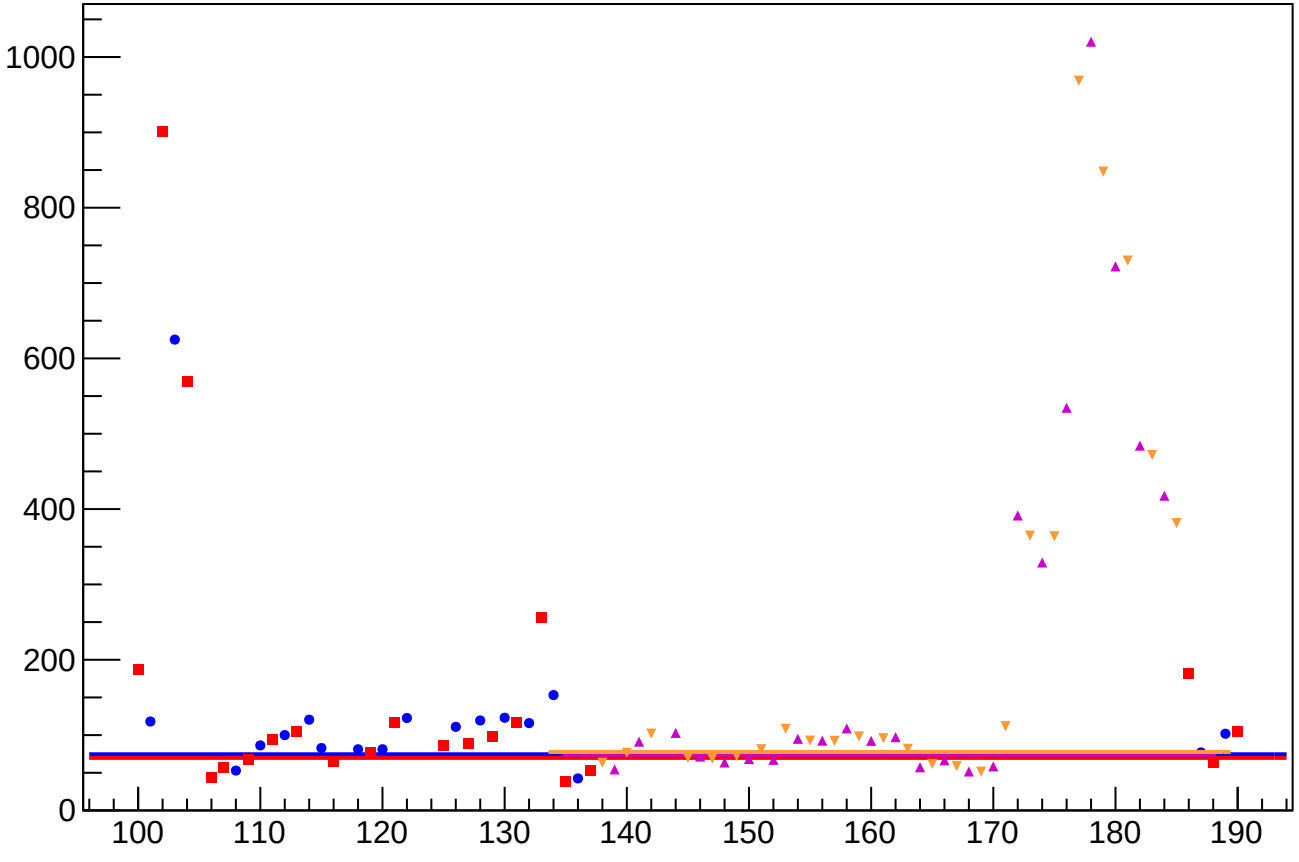
Right: -0.029+/-0.021 χ^2/NDF: 27.1/38

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.026+/-0.012 χ^2/NDF: 70.8/85

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

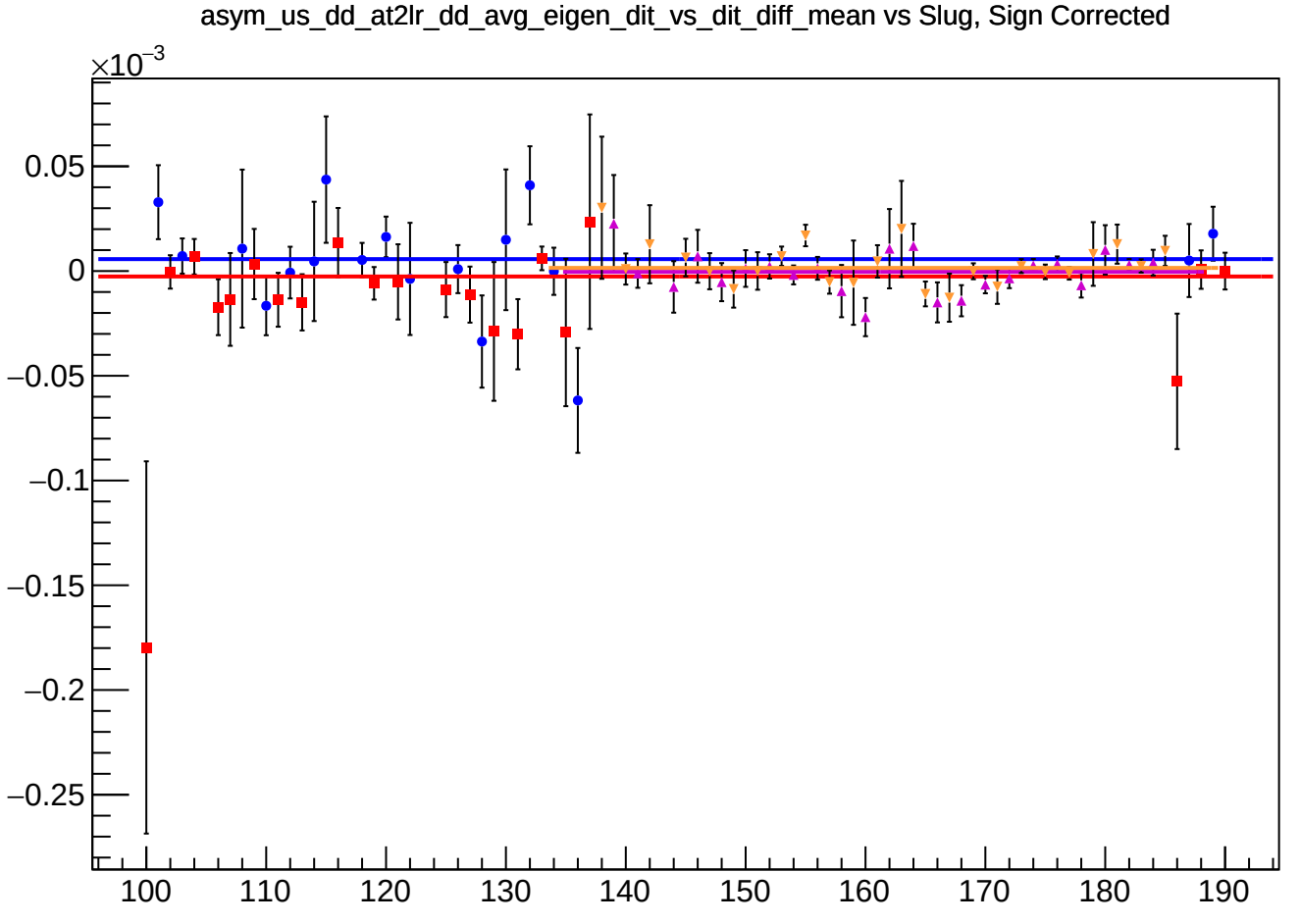
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 71.961+/-0.015 χ^2/NDF: 6661918.3/38

In: 74.324+/-0.012 χ^2/NDF:11438328.7/40

Out: 74.617+/-0.012 χ^2/NDF:12135866.4/44

All: 74.470+/-0.009 χ^2/NDF: 23574475.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/20

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

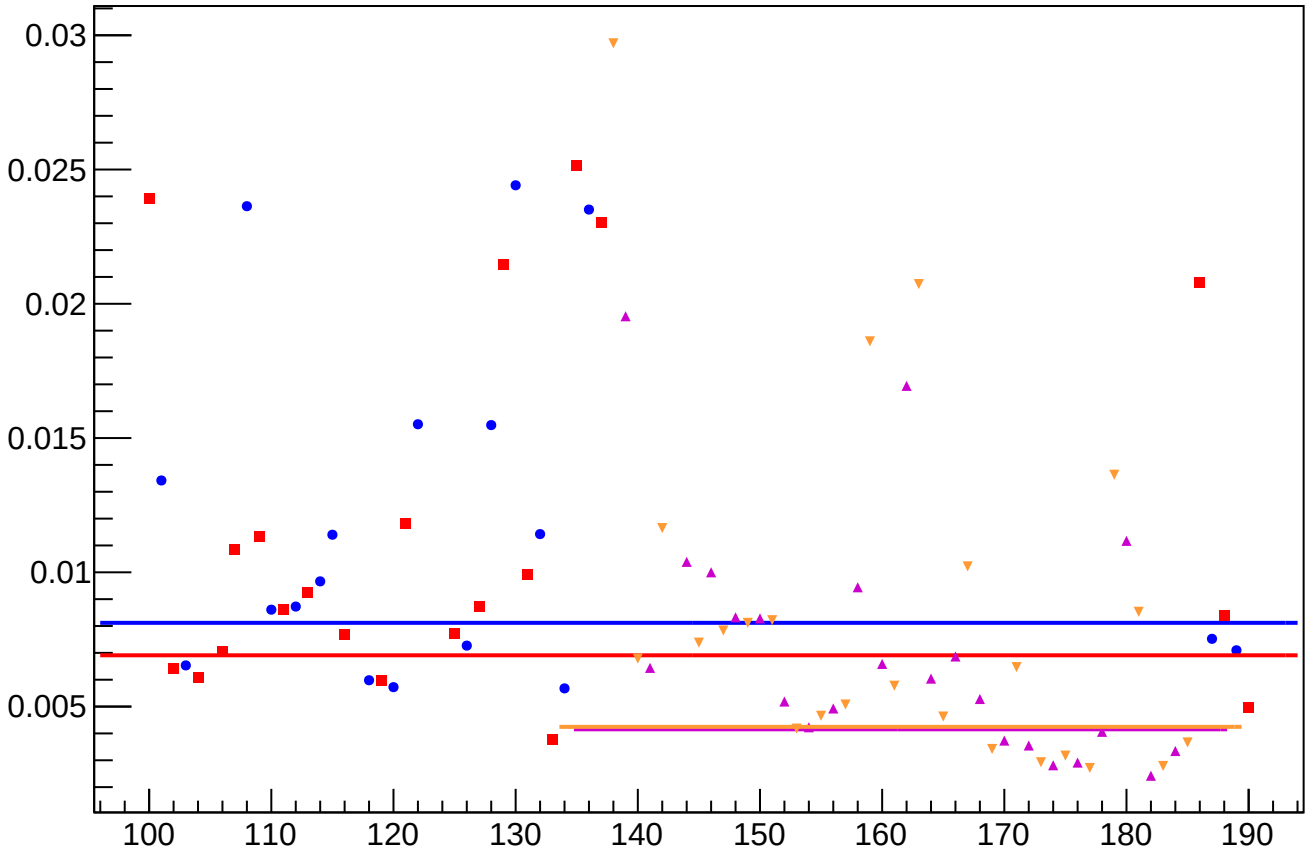
Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

Right: 0.000+/-0.000 χ^2/NDF: 46.8/38

In: 0.000+/-0.000 χ^2/NDF:51.1/40

Out: 0.000+/-0.000 χ^2/NDF:48.6/44

All: 0.000+/-0.000 χ^2/NDF: 99.8/85



Right In: 0.008+/-0.000 χ^2/NDF: 2672709.1/17

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 2944493.1/20

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

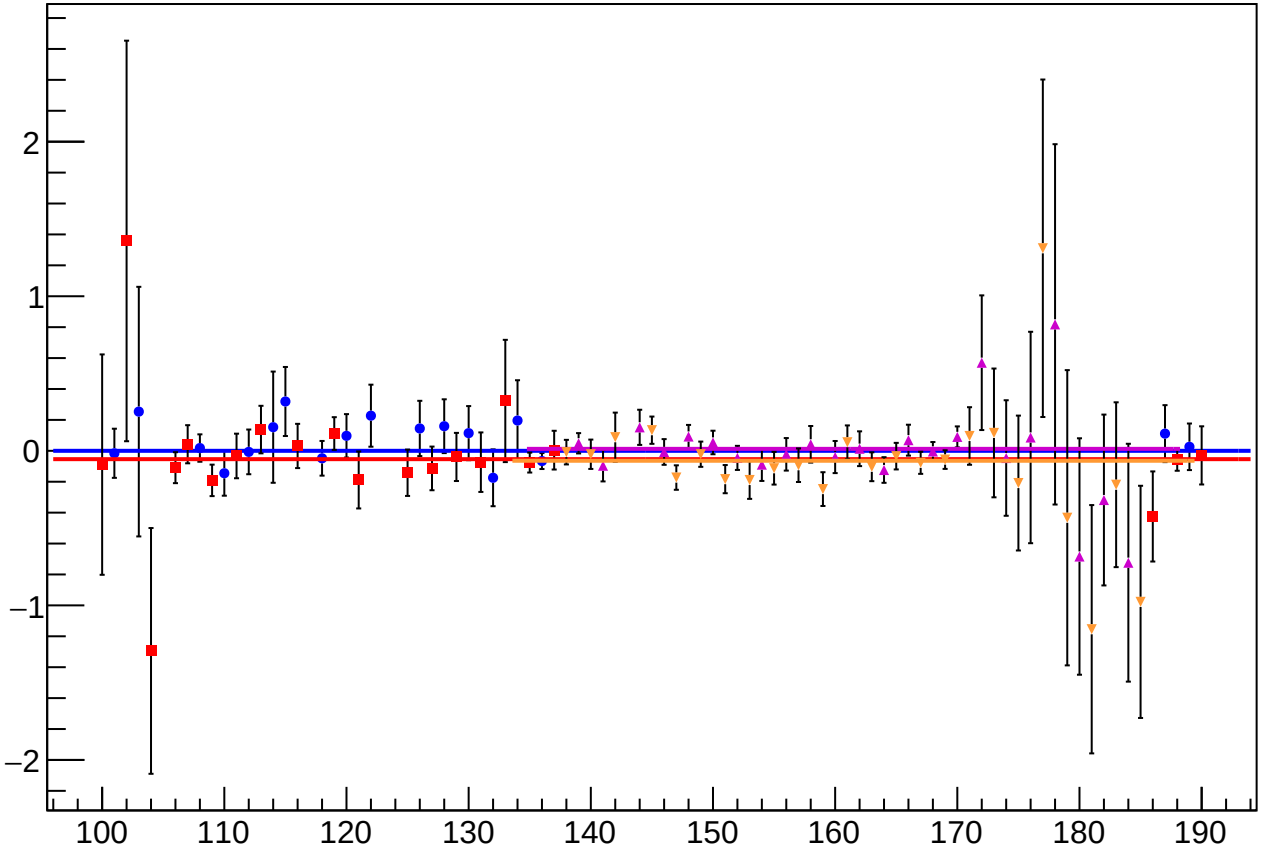
Right: 0.007+/-0.000 χ^2/NDF: 5783268.0/38

In: 0.005+/-0.000 χ^2/NDF:12105129.5/40

Out: 0.005+/-0.000 χ^2/NDF:13371825.0/44

All: 0.005+/-0.000 χ^2/NDF: 25483302.4/85

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

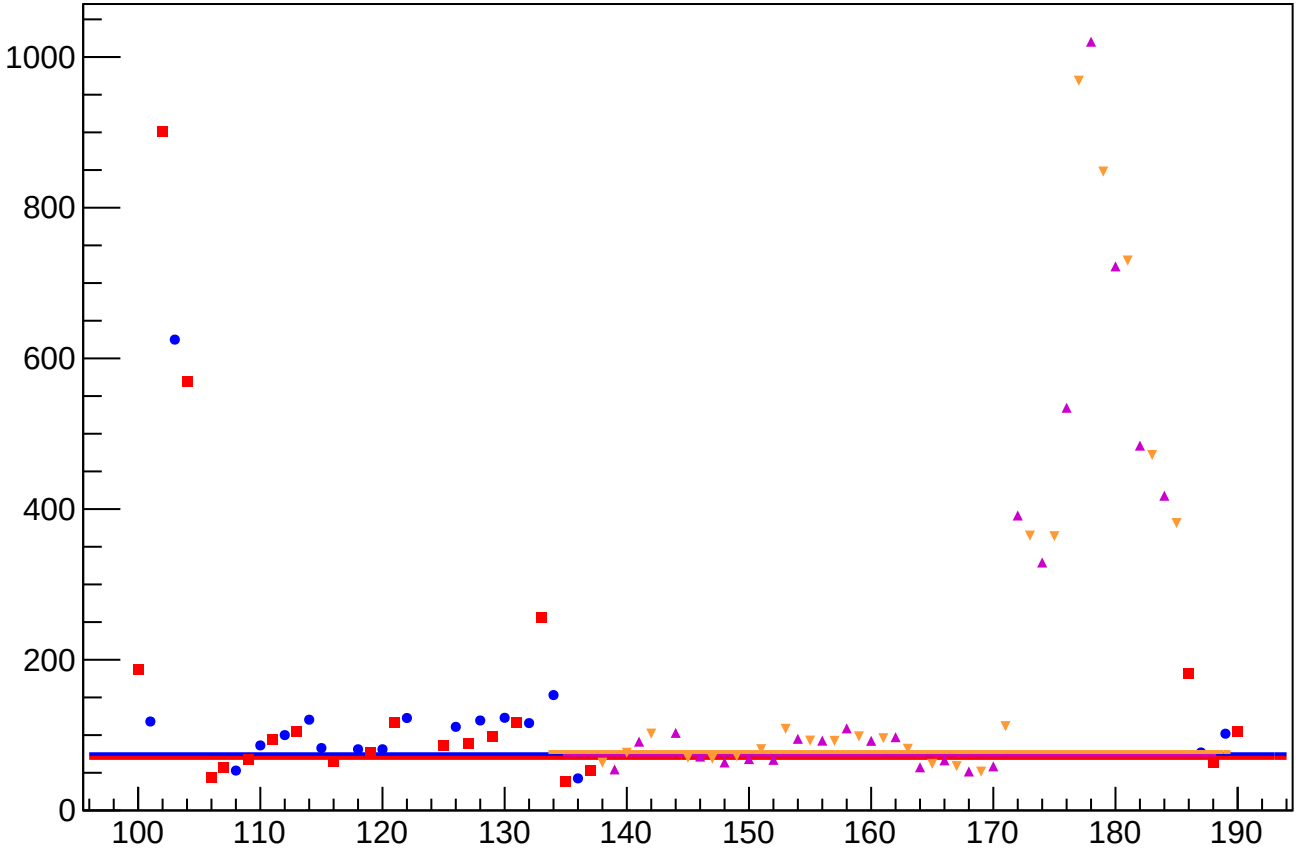
Right: -0.029+/-0.021 χ^2/NDF: 27.1/38

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.026+/-0.012 χ^2/NDF: 70.8/85

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

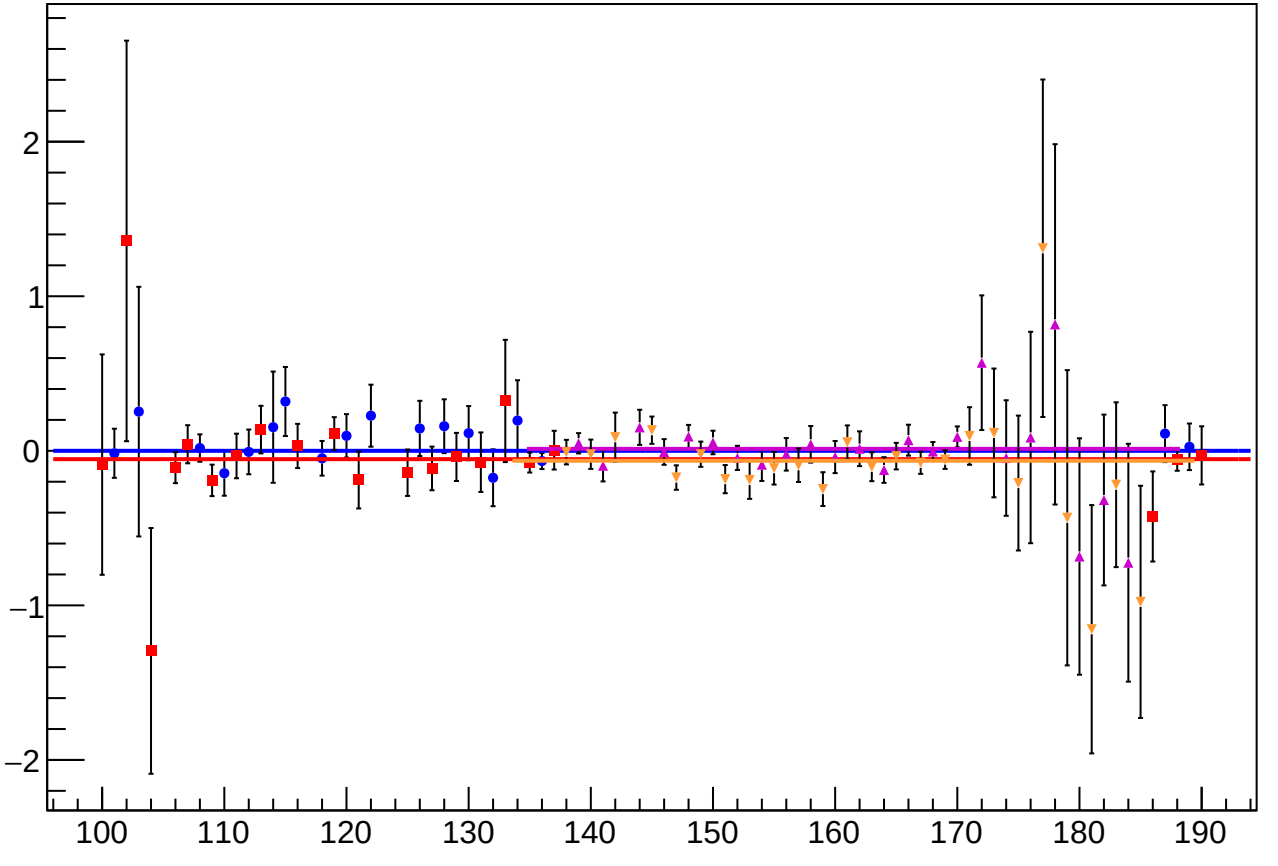
Right: 71.967+/-0.015 χ^2/NDF: 6660886.9/38

In: 74.333+/-0.012 χ^2/NDF:11435650.2/40

Out: 74.613+/-0.012 χ^2/NDF:12137017.9/44

All: 74.473+/-0.009 χ^2/NDF: 23572925.8/85

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

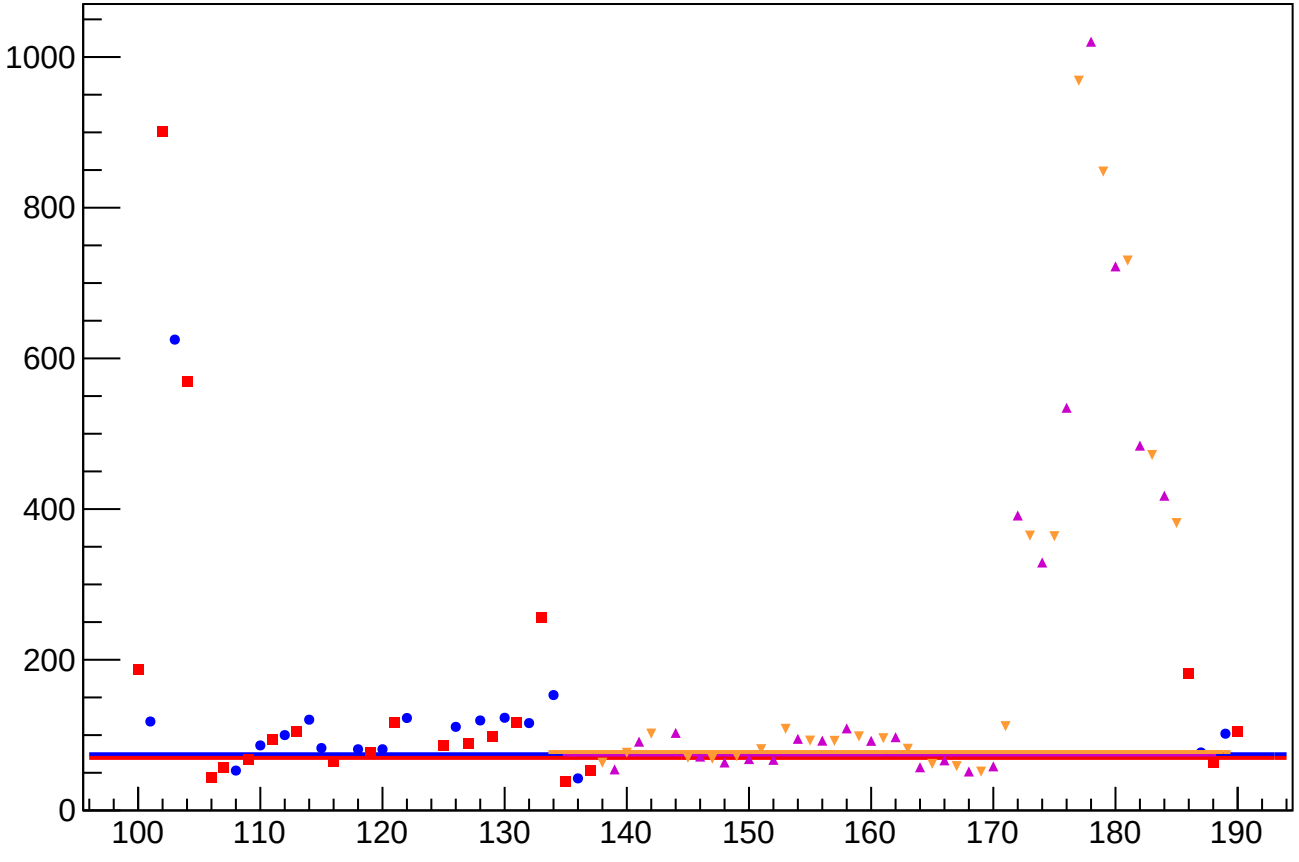
Right: -0.029+/-0.021 χ^2/NDF: 27.1/38

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.026+/-0.012 χ^2/NDF: 70.8/85

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

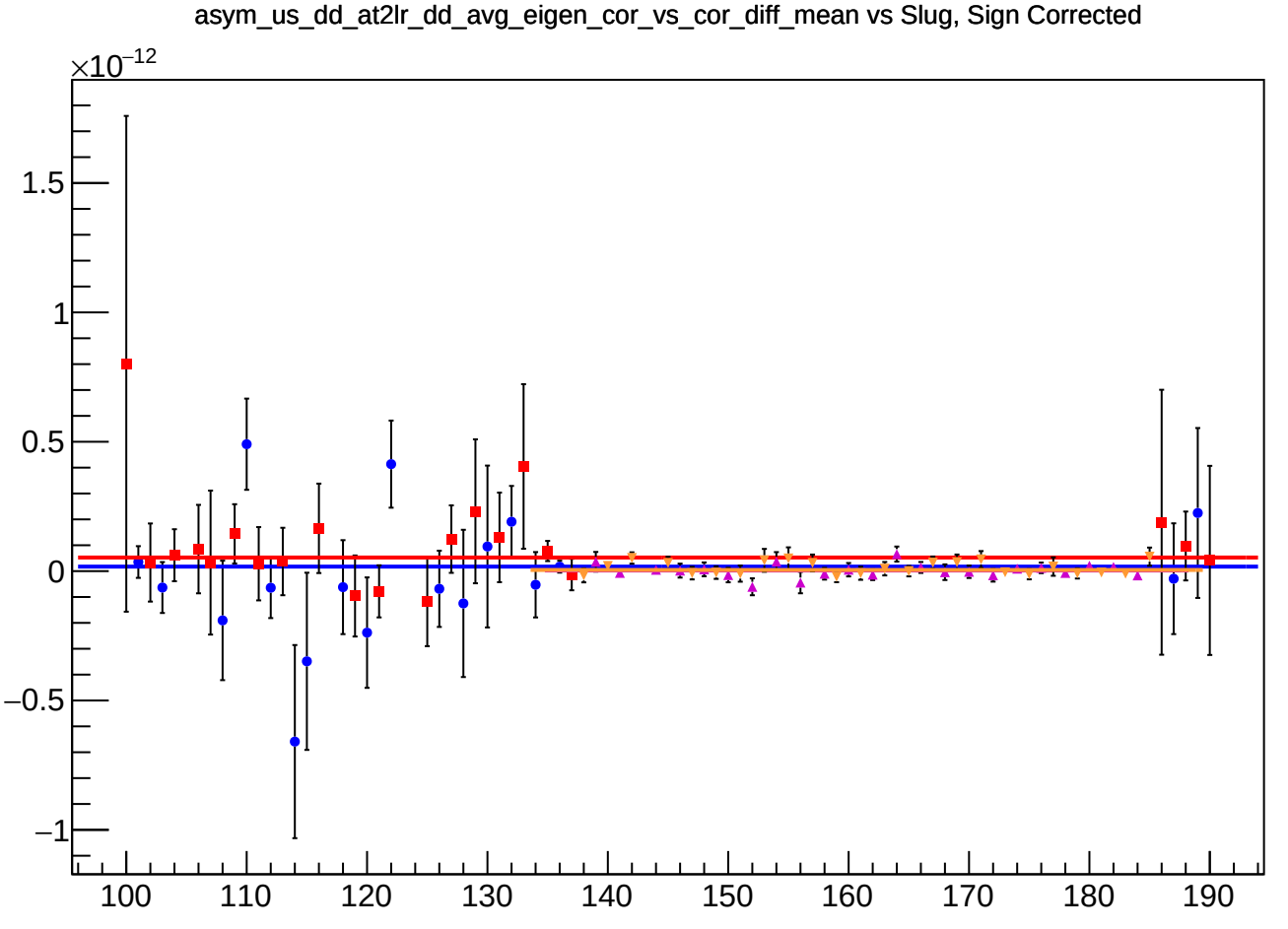
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 71.967+/-0.015 χ^2/NDF: 6660886.9/38

In: 74.333+/-0.012 χ^2/NDF:11435650.2/40

Out: 74.613+/-0.012 χ^2/NDF:12137017.9/44

All: 74.473+/-0.009 χ^2/NDF: 23572925.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

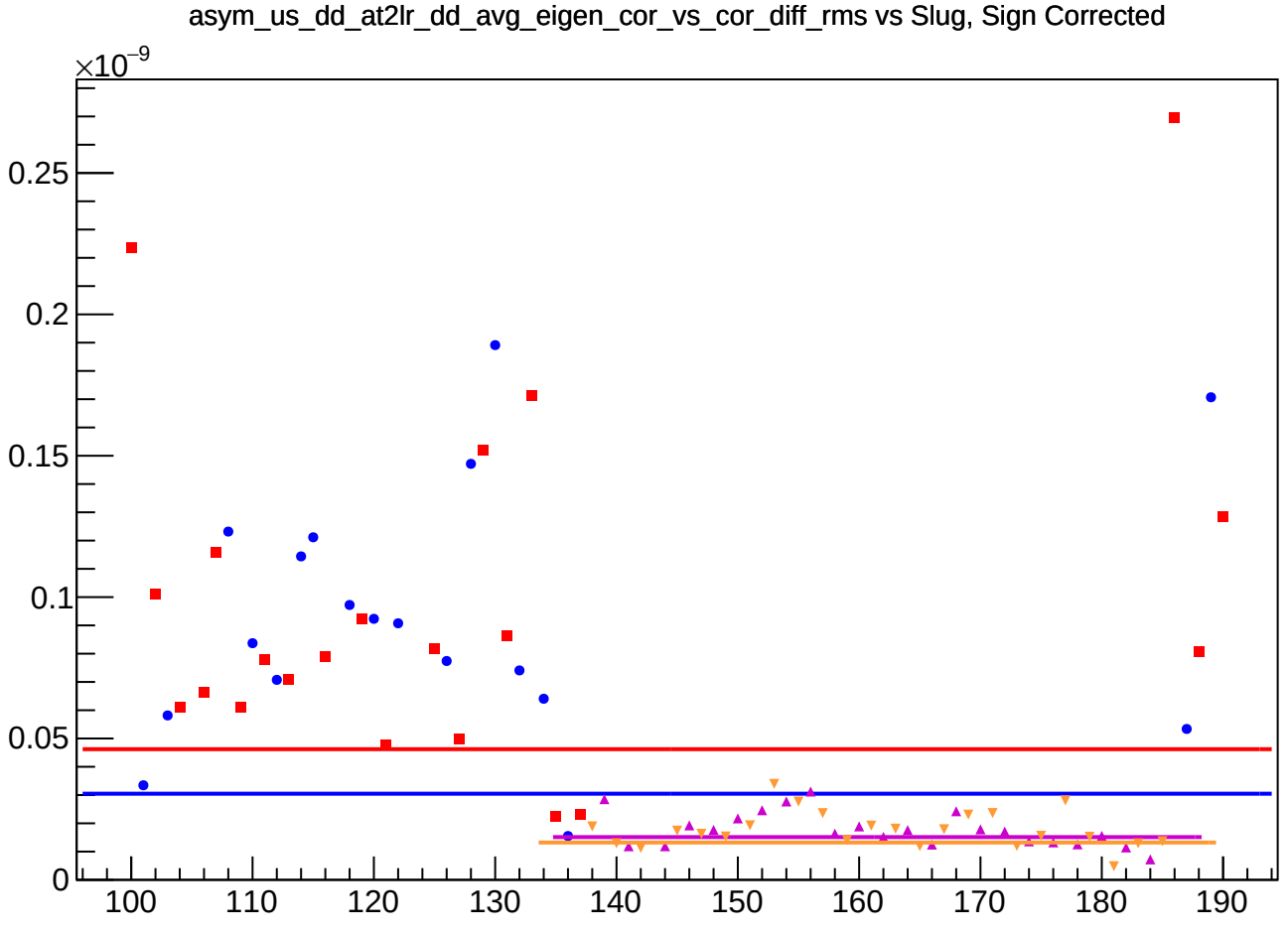
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 34.4/38

In: 0.000+/-0.000 χ^2/NDF:41.9/40

Out: 0.000+/-0.000 χ^2/NDF:34.7/44

All: 0.000+/-0.000 χ^2/NDF: 76.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 4469830.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3408429.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

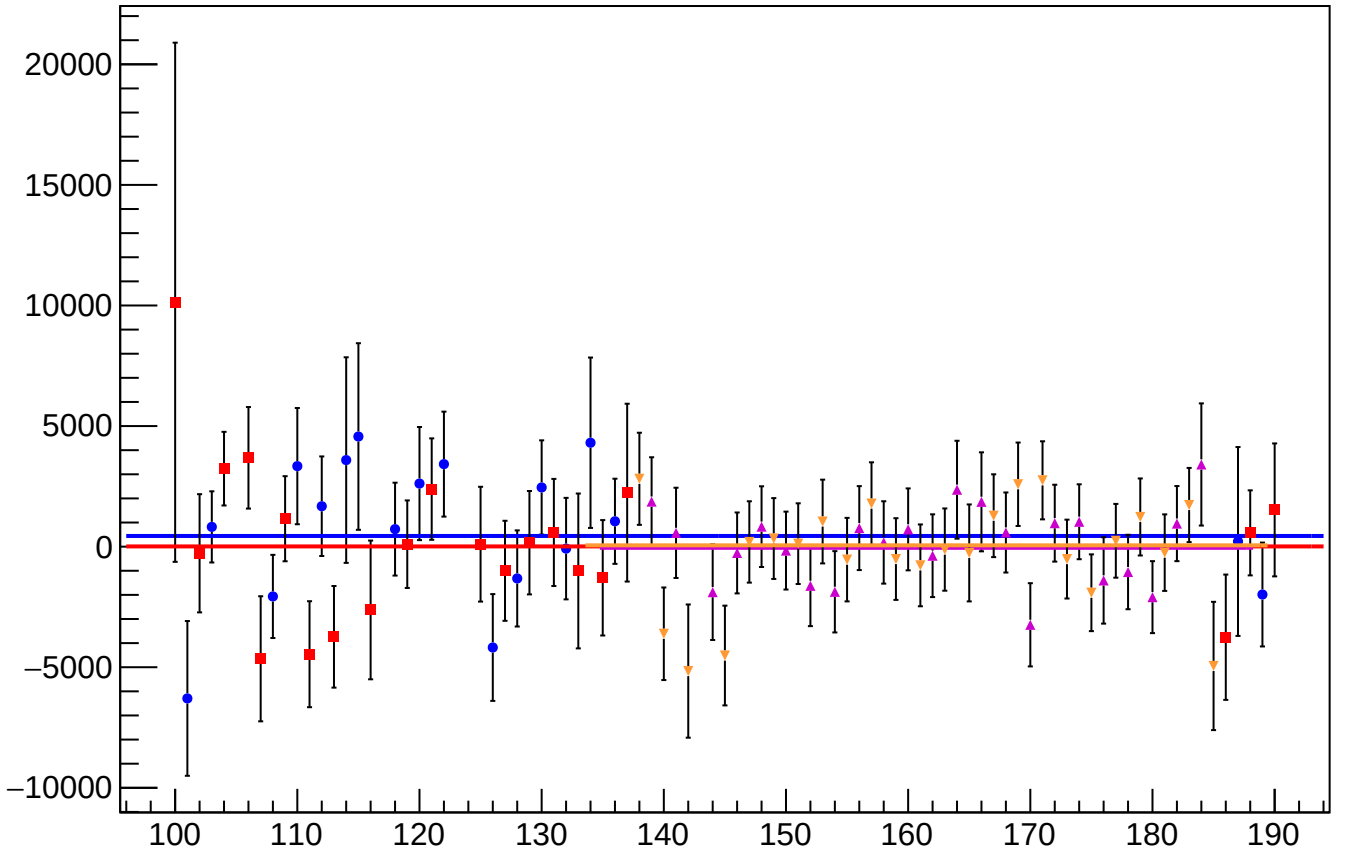
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

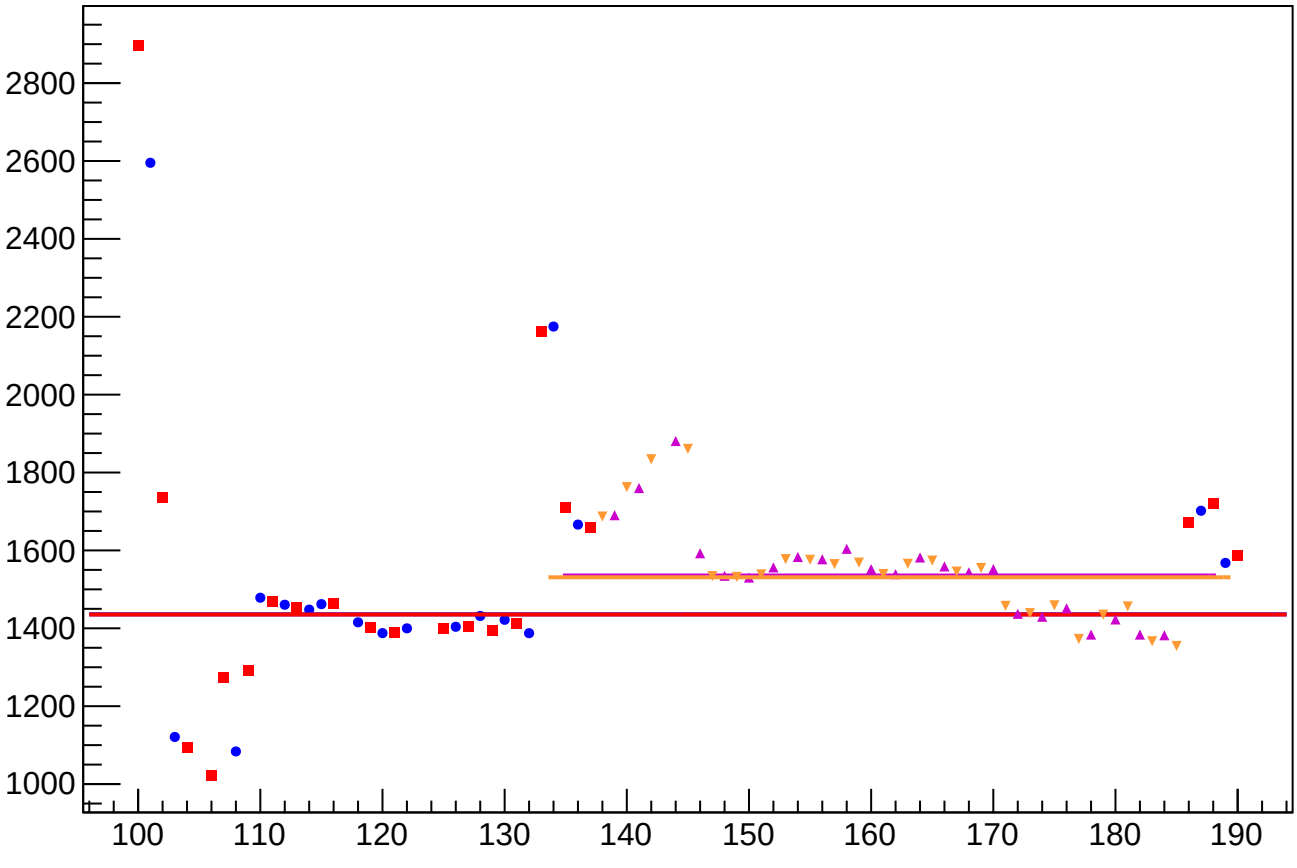
Right: 0.000+/-0.000 χ^2/NDF: 8394931.7/38

In: 0.000+/-0.000 χ^2/NDF:7822310.2/40

Out: 0.000+/-0.000 χ^2/NDF:11225239.0/44

All: 0.000+/-0.000 χ^2/NDF: 19206184.8/85


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 443.037+/-519.204 χ²/NDF: 21.7/17
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: 9.196+/-490.367 χ²/NDF: 25.1/20
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 213.735+/-356.501 χ²/NDF: 47.1/38
In: 111.026+/-295.581 χ²/NDF:39.1/40
Out: 39.019+/-288.285 χ²/NDF:53.5/44
All: 74.123+/-206.380 χ²/NDF: 92.6/85



Right In: 1435.877+/-0.367 χ^2/NDF: 578224.9/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1435.433+/-0.347 χ^2/NDF: 480846.8/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

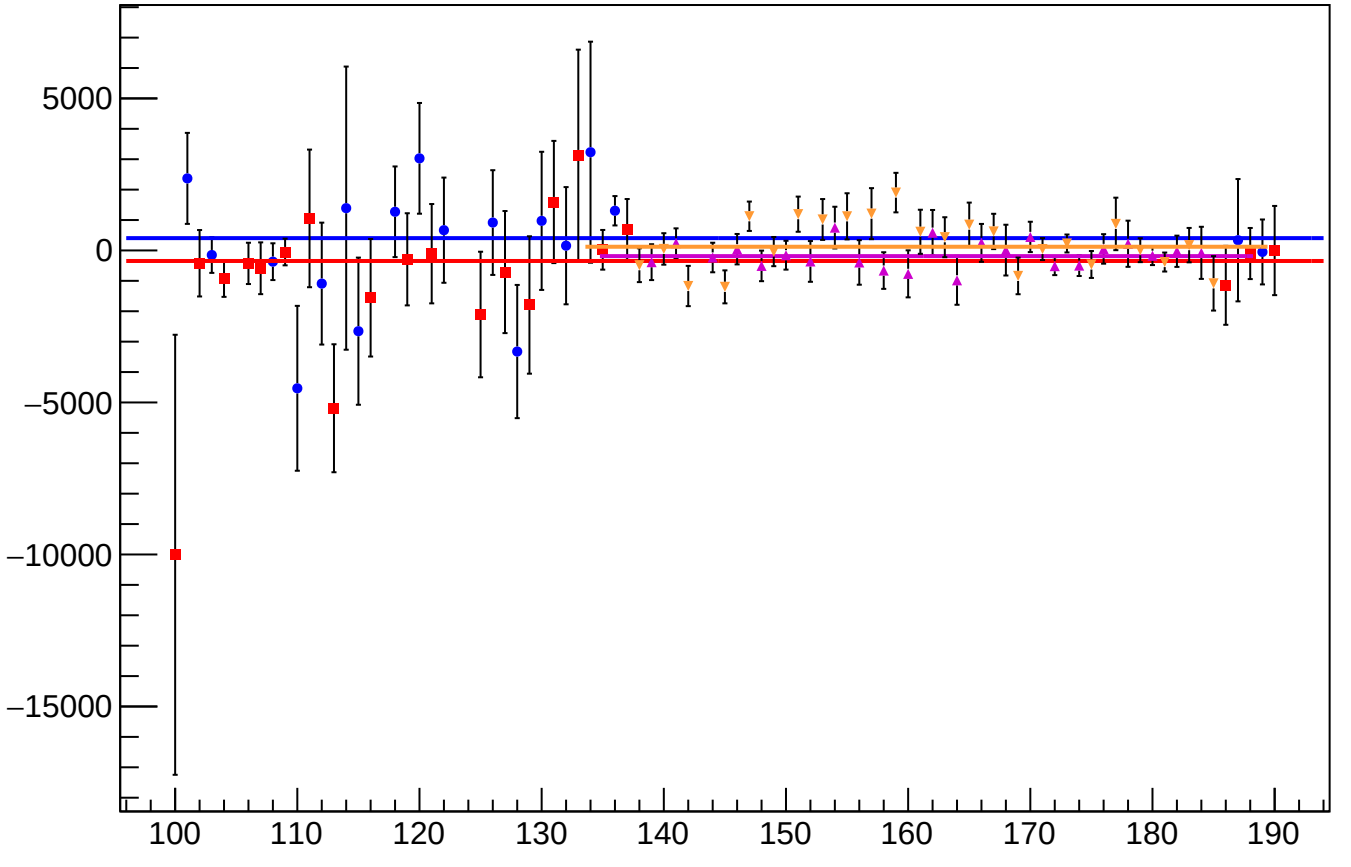
Right: 1435.642+/-0.252 χ^2/NDF: 1059072.5/38

In: 1503.247+/-0.209 χ^2/NDF:820477.0/40

Out: 1497.954+/-0.204 χ^2/NDF:734070.7/44

All: 1500.534+/-0.146 χ^2/NDF: 1554876.3/85

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 404.856+/-264.817 χ^2/NDF: 19.5/17

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -346.849+/-219.393 χ^2/NDF: 14.4/20

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

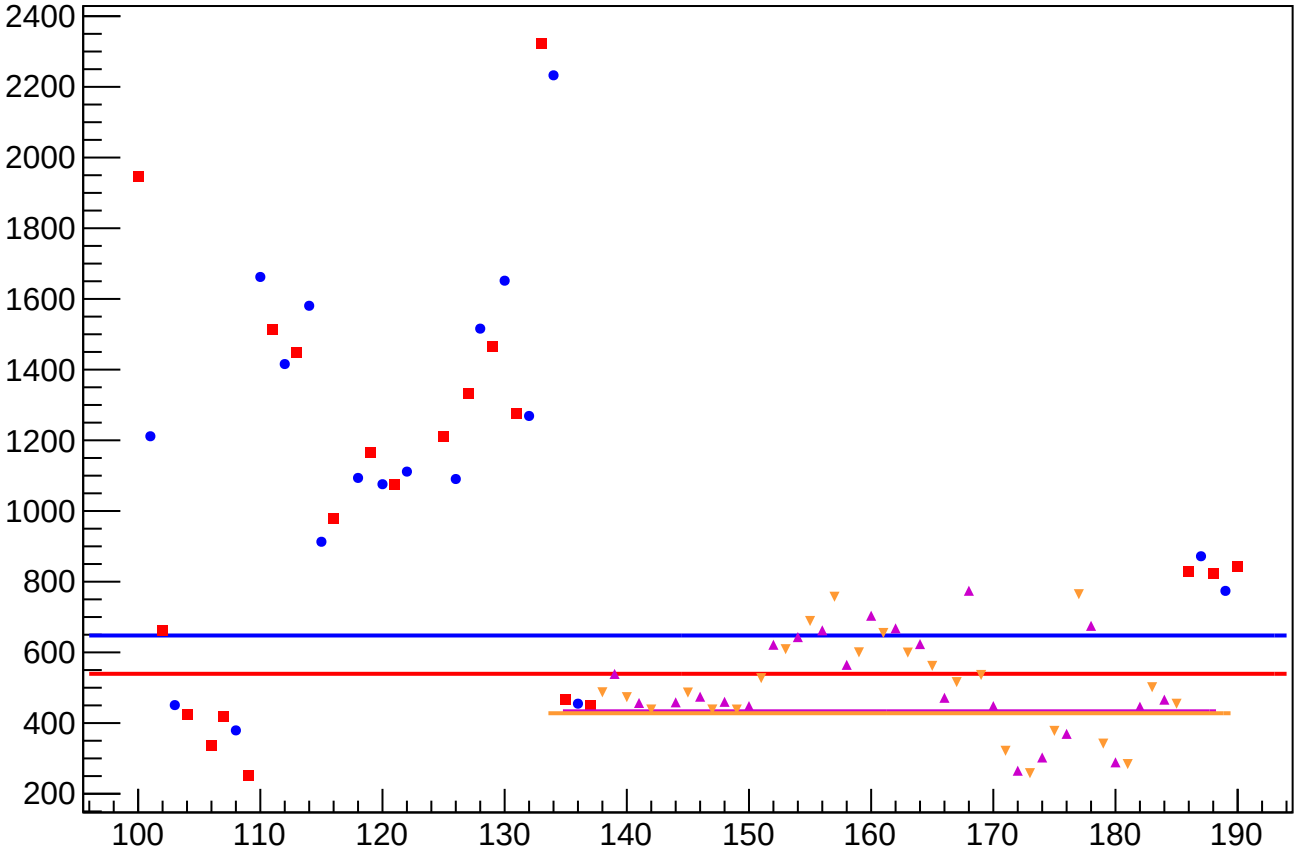
Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

Right: -40.900+/-168.946 χ^2/NDF: 38.8/38

In: -103.820+/-99.188 χ^2/NDF:35.4/40

Out: 33.995+/-94.756 χ^2/NDF:61.8/44

All: -31.765+/-68.516 χ^2/NDF: 98.2/85



Right In: 647.781+/-0.187 χ^2/NDF: 3809576.1/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 539.384+/-0.155 χ^2/NDF: 4780791.5/20

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

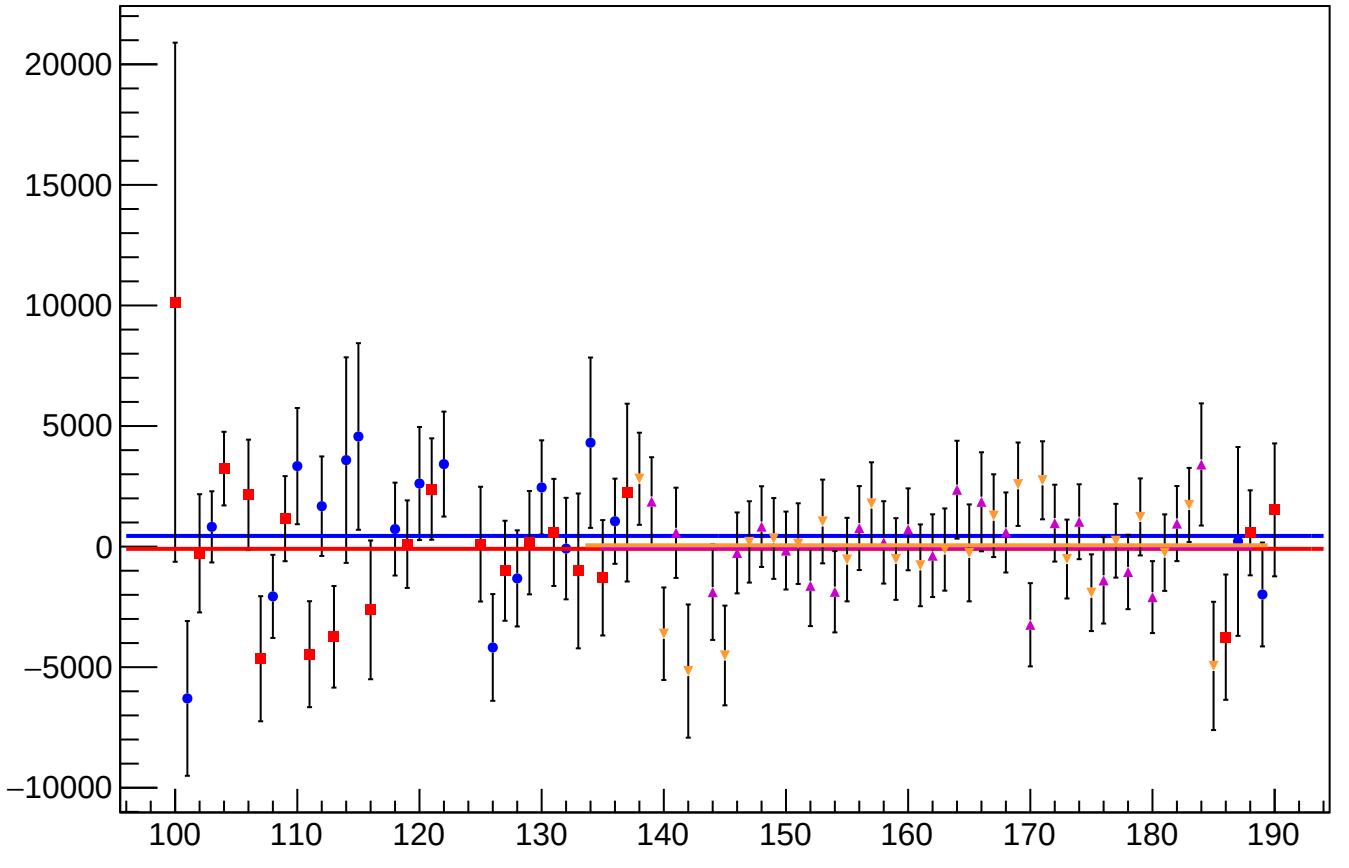
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 583.502+/-0.119 χ^2/NDF: 8789076.4/38

In: 463.375+/-0.070 χ^2/NDF:8185636.1/40

Out: 448.626+/-0.067 χ^2/NDF:8389693.0/44

All: 455.664+/-0.048 χ^2/NDF: 16598449.7/85



Right In: 442.921+/-519.204 χ^2/NDF: 21.7/17

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -93.240+/-492.438 χ^2/NDF: 22.8/20

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

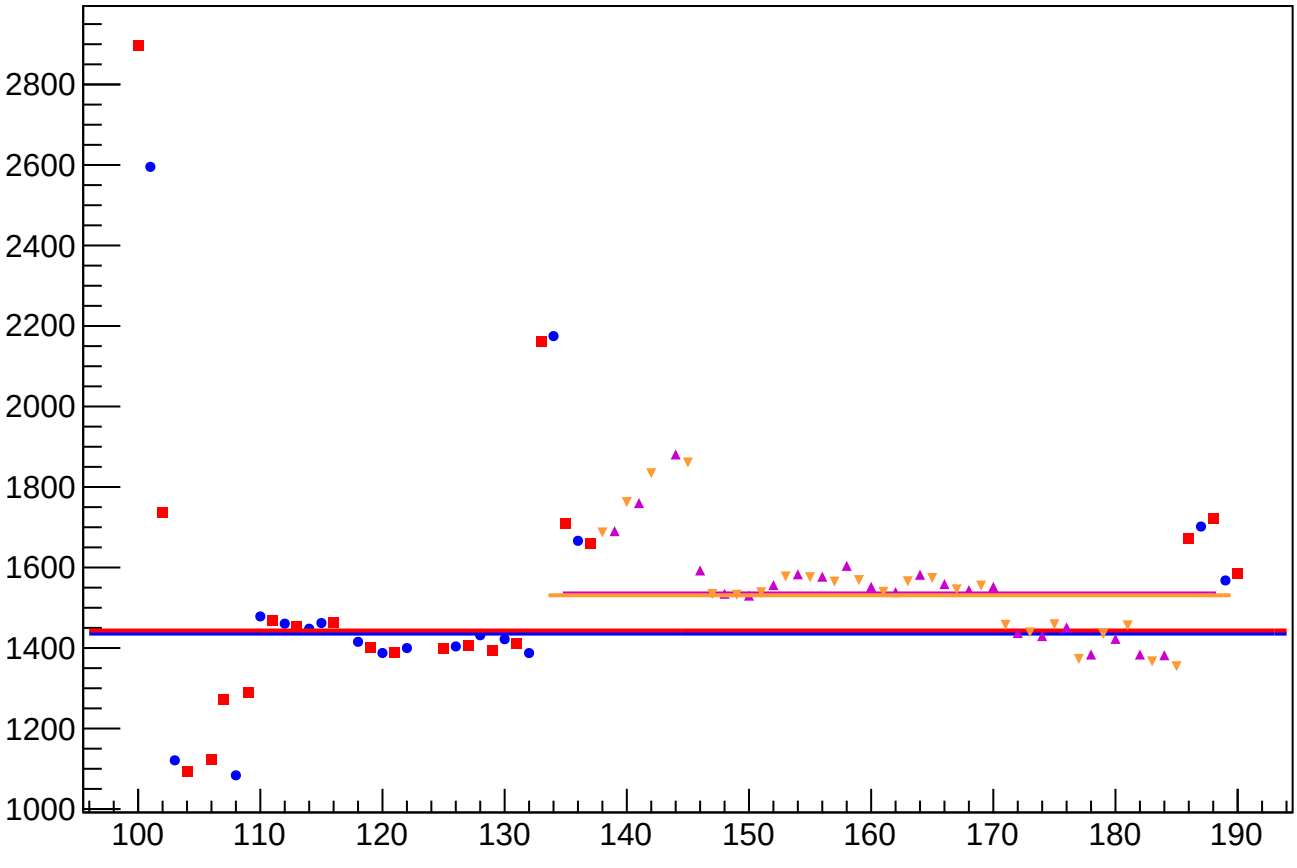
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 160.665+/-357.294 χ^2/NDF: 45.1/38

In: 110.934+/-295.581 χ^2/NDF:39.1/40

Out: 3.873+/-288.704 χ^2/NDF:51.4/44

All: 56.144+/-206.533 χ^2/NDF: 90.5/85



Right In: 1435.877+/-0.367 χ^2/NDF: 578225.1/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

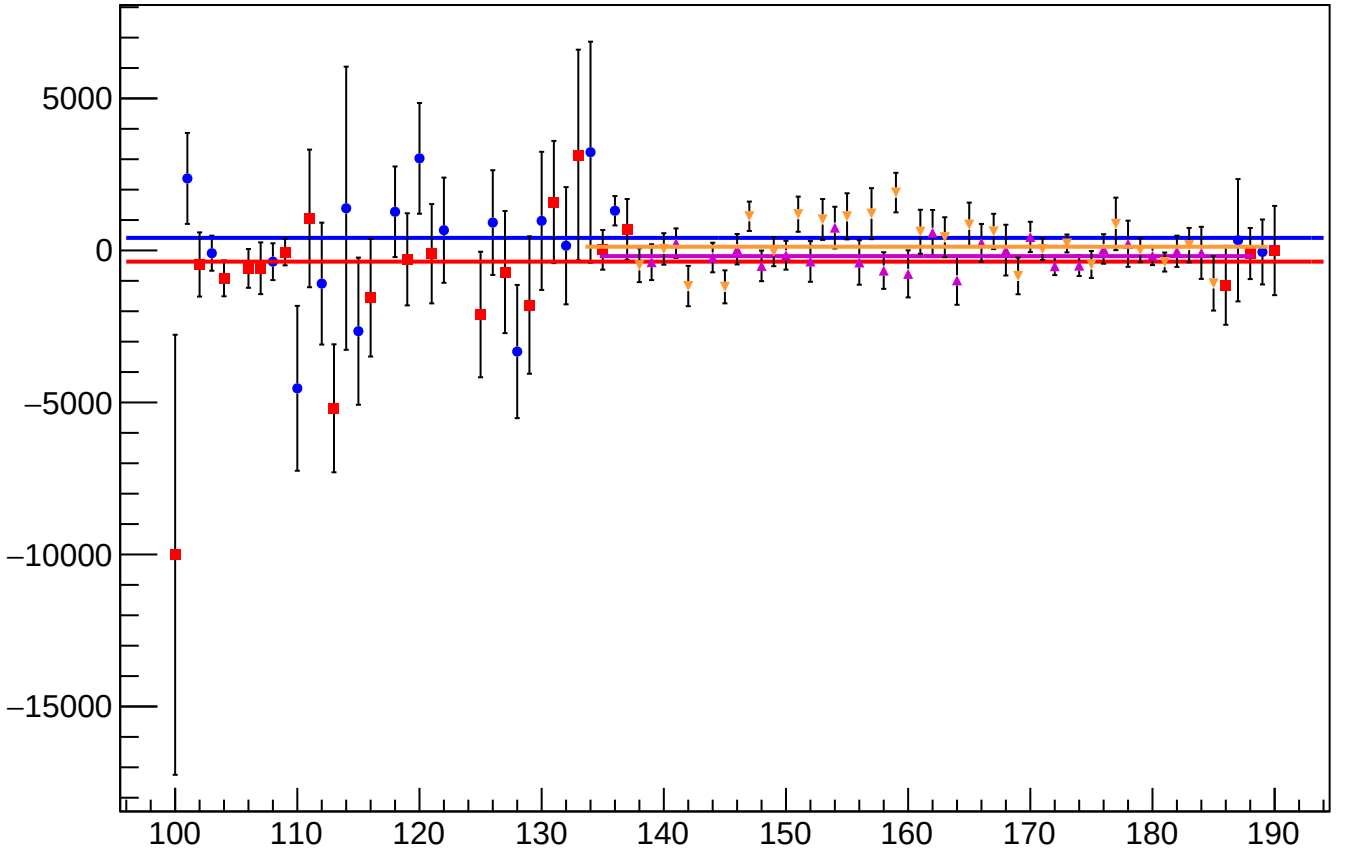
Right: 1439.896+/-0.253 χ^2/NDF: 1019406.2/38

In: 1503.247+/-0.209 χ^2/NDF:820477.4/40

Out: 1500.913+/-0.204 χ^2/NDF:685901.4/44

All: 1502.052+/-0.146 χ^2/NDF: 1506442.6/85

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

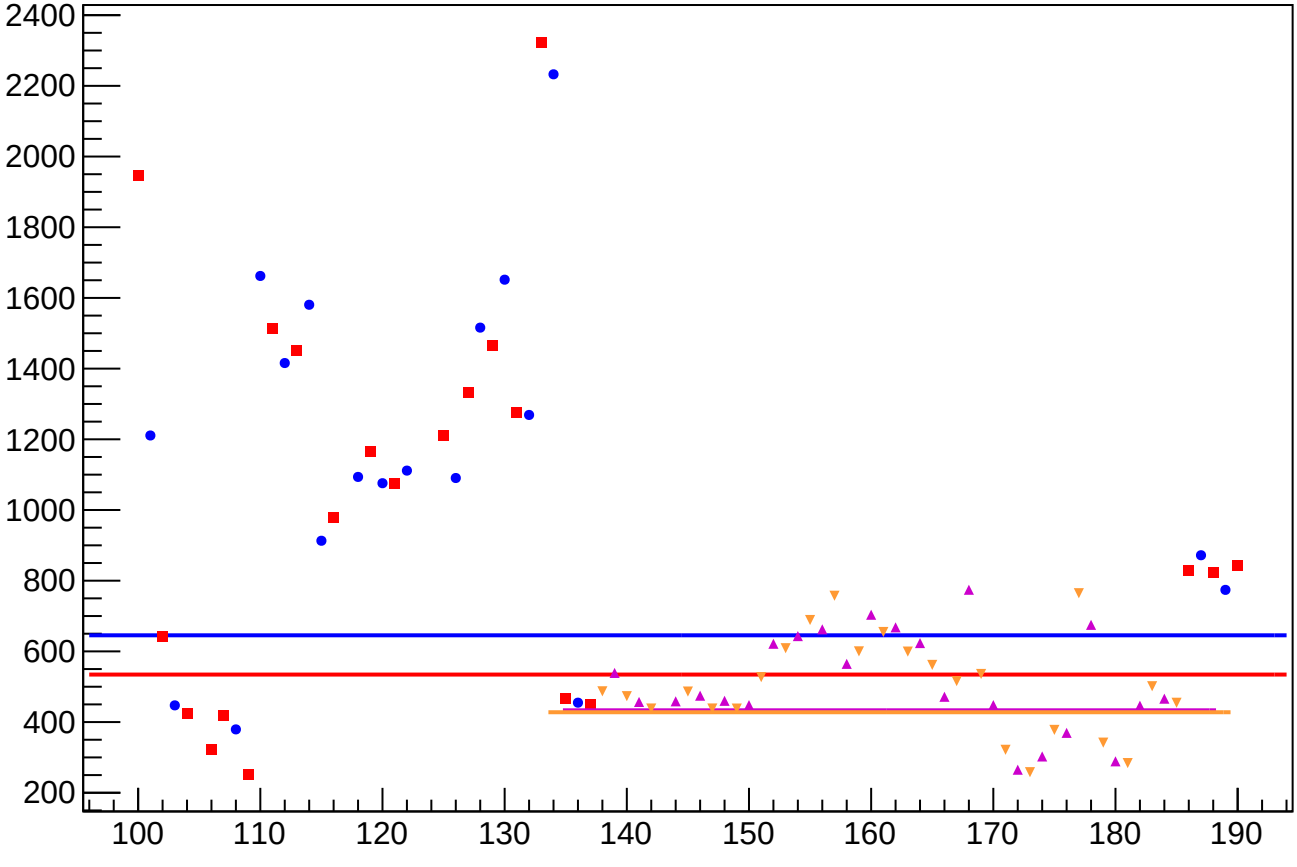
Right: -52.073+/-167.769 χ^2/NDF: 39.1/38

In: -102.281+/-99.133 χ^2/NDF:35.4/40

Out: 28.684+/-94.595 χ^2/NDF:62.3/44

All: -33.732+/-68.437 χ^2/NDF: 98.6/85

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 534.396+/-0.154 χ^2/NDF: 4824379.6/20

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

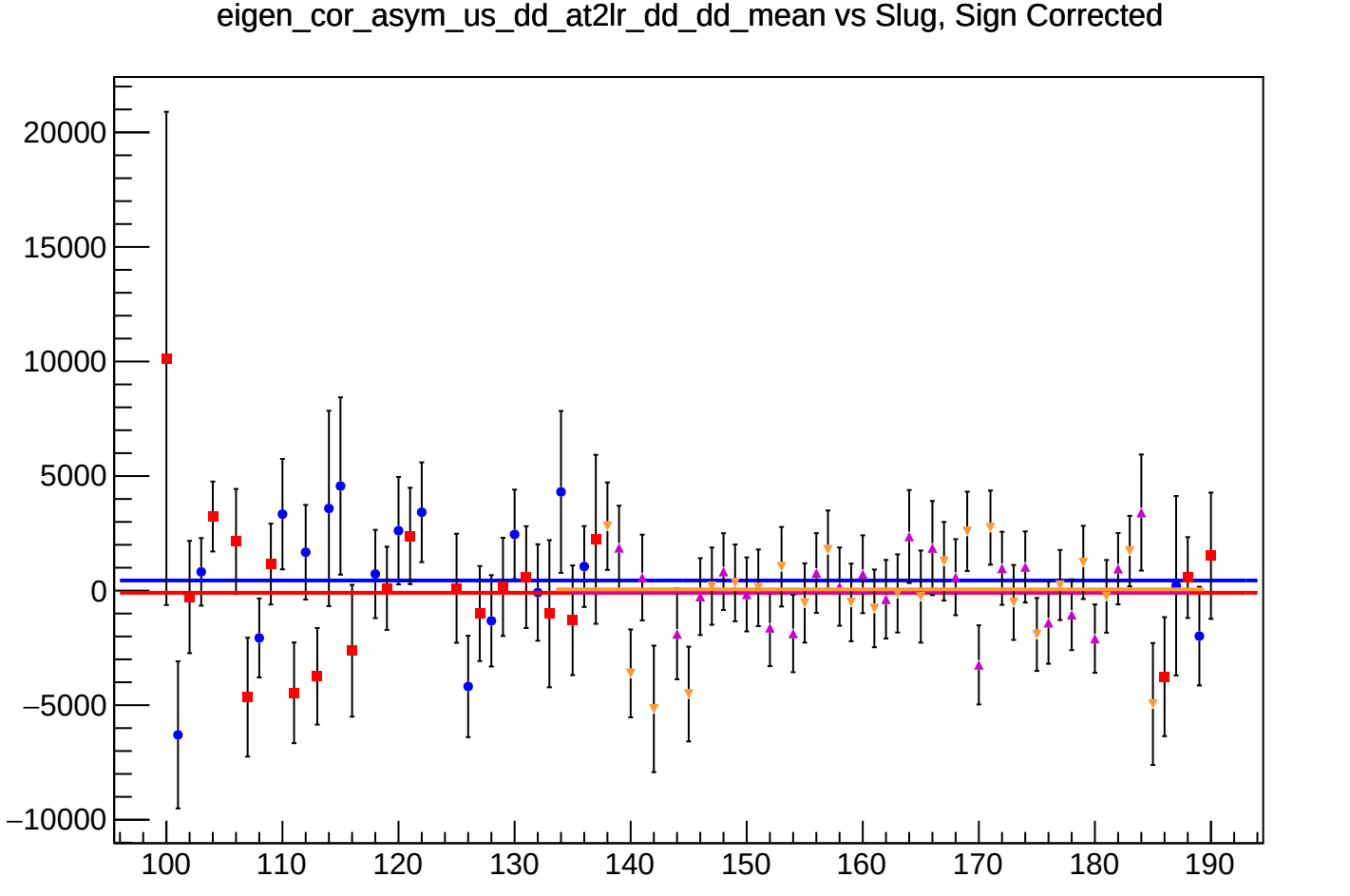
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

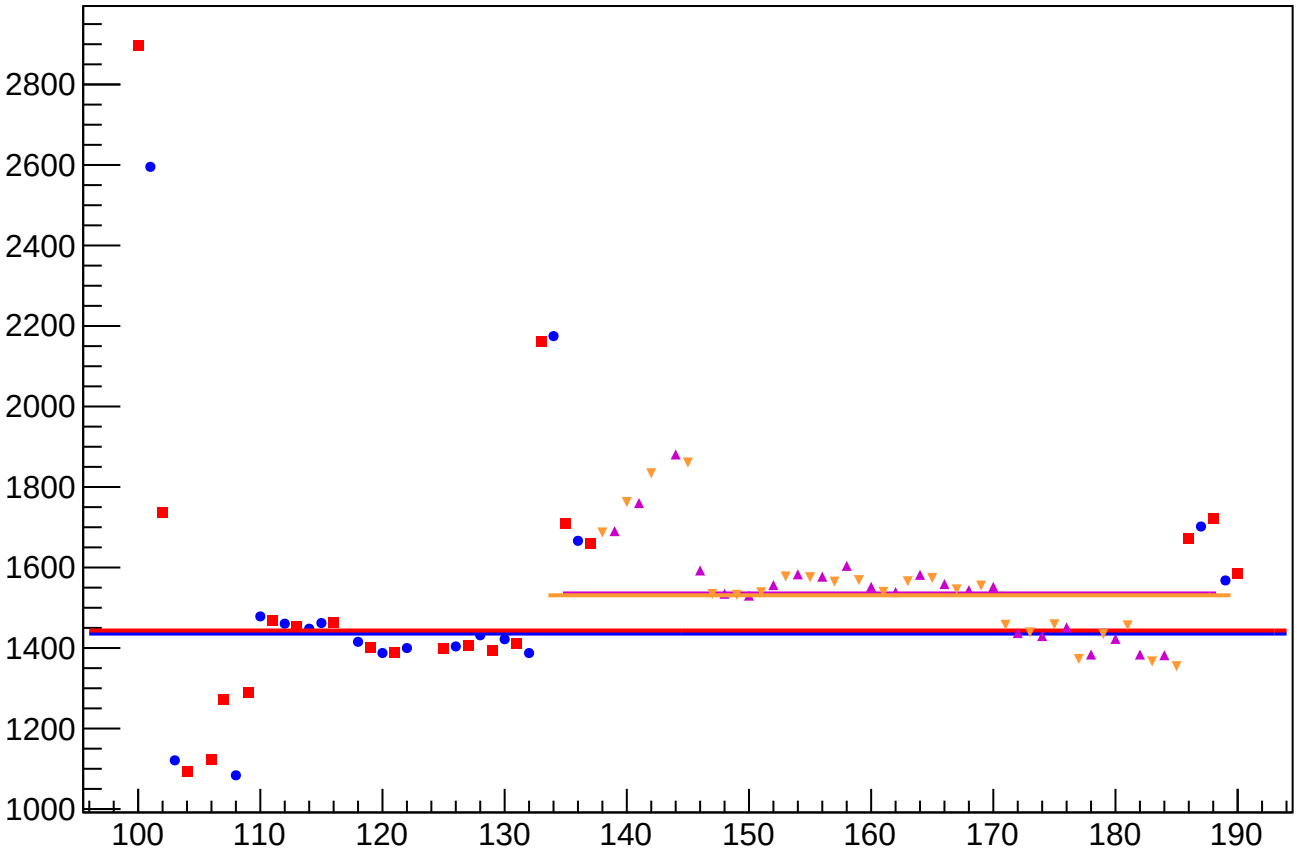
Right: 579.336+/-0.119 χ^2/NDF: 8861971.8/38

In: 463.257+/-0.070 χ^2/NDF:8185776.9/40

Out: 447.991+/-0.067 χ^2/NDF:8402437.8/44

All: 455.267+/-0.048 χ^2/NDF: 16613041.0/85


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 442.921+/-519.204 χ²/NDF: 21.7/17
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -93.240+/-492.438 χ²/NDF: 22.8/20
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 160.665+/-357.294 χ²/NDF: 45.1/38
In: 110.934+/-295.581 χ²/NDF:39.1/40
Out: 3.873+/-288.704 χ²/NDF:51.4/44
All: 56.144+/-206.533 χ²/NDF: 90.5/85



Right In: 1435.877+/-0.367 χ^2/NDF: 578225.1/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

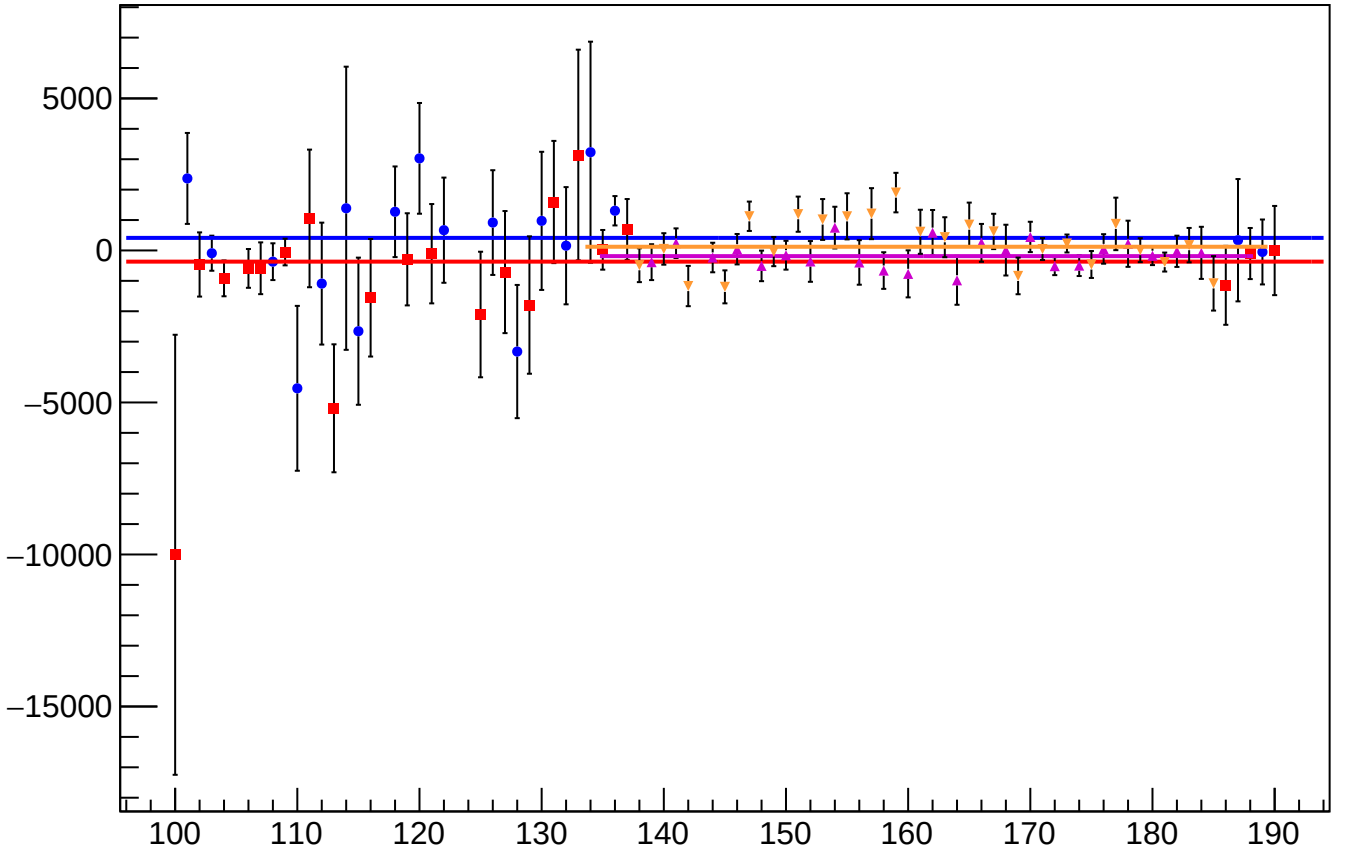
Right: 1439.896+/-0.253 χ^2/NDF: 1019406.2/38

In: 1503.247+/-0.209 χ^2/NDF:820477.4/40

Out: 1500.913+/-0.204 χ^2/NDF:685901.4/44

All: 1502.052+/-0.146 χ^2/NDF: 1506442.6/85

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

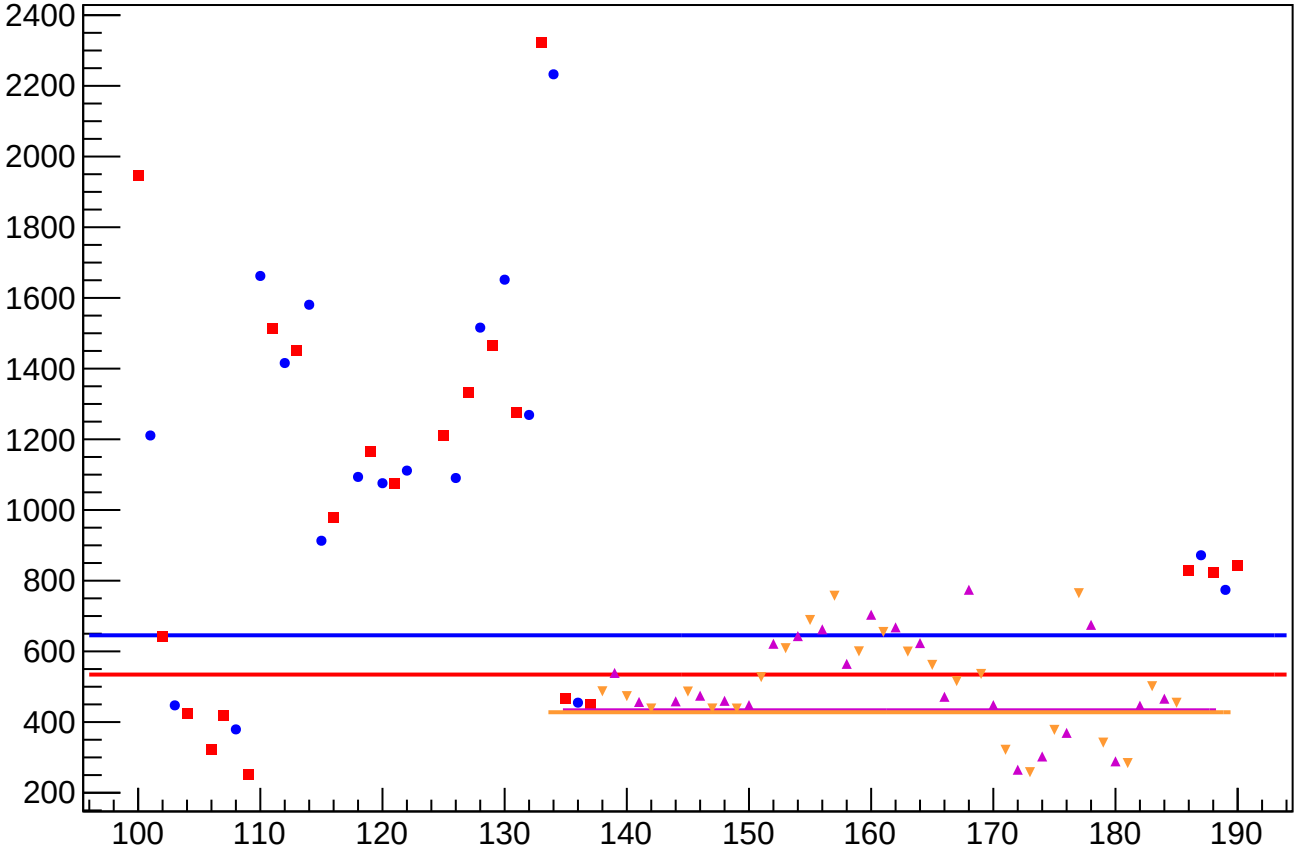
Right: -52.073+/-167.769 χ^2/NDF: 39.1/38

In: -102.281+/-99.133 χ^2/NDF:35.4/40

Out: 28.684+/-94.595 χ^2/NDF:62.3/44

All: -33.732+/-68.437 χ^2/NDF: 98.6/85

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 534.396+/-0.154 χ^2/NDF: 4824379.6/20

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

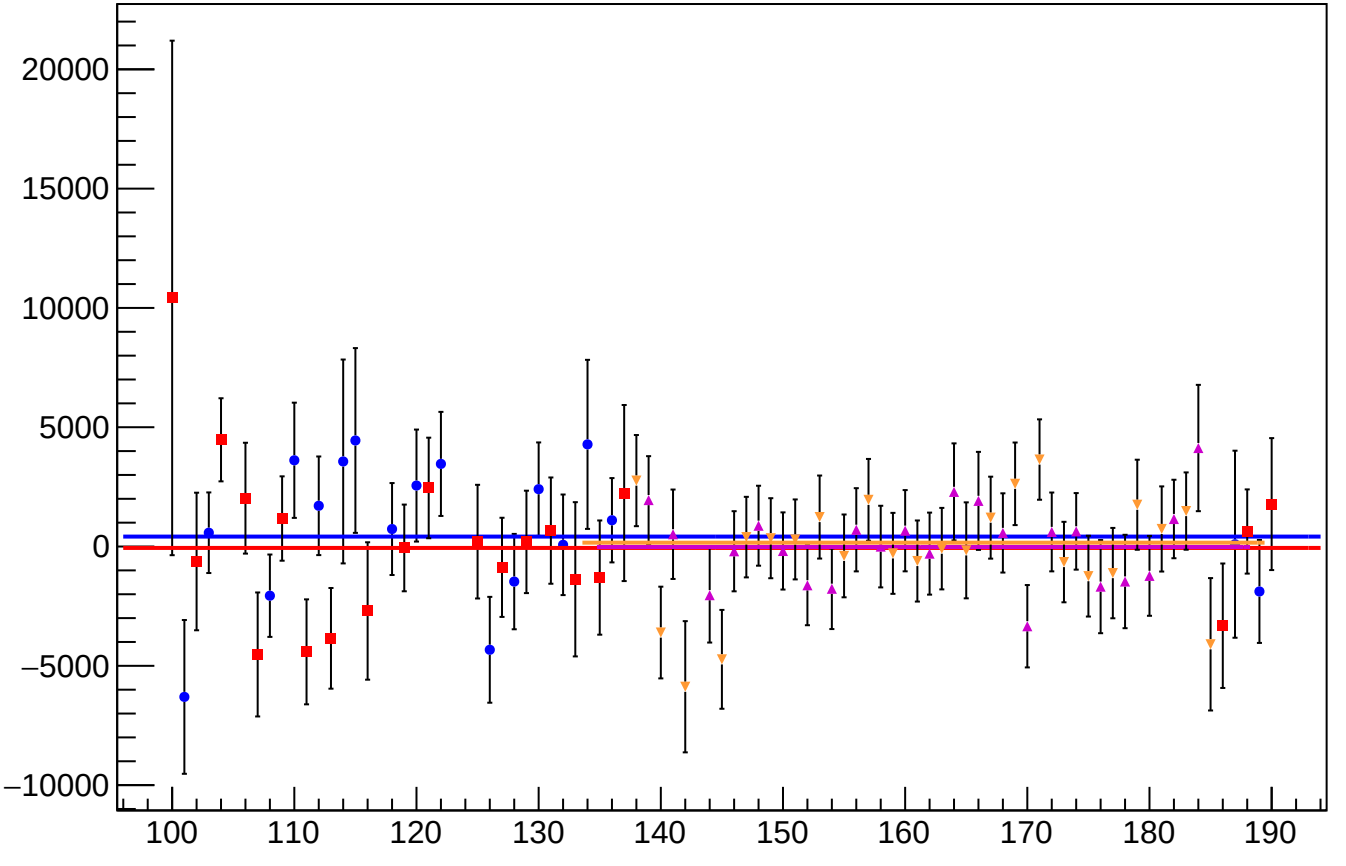
Right: 579.336+/-0.119 χ^2/NDF: 8861971.8/38

In: 463.257+/-0.070 χ^2/NDF:8185776.9/40

Out: 447.991+/-0.067 χ^2/NDF:8402437.8/44

All: 455.267+/-0.048 χ^2/NDF: 16613041.0/85

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 416.629+/-527.764 χ^2/NDF: 22.0/17

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -59.037+/-502.438 χ^2/NDF: 24.7/20

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

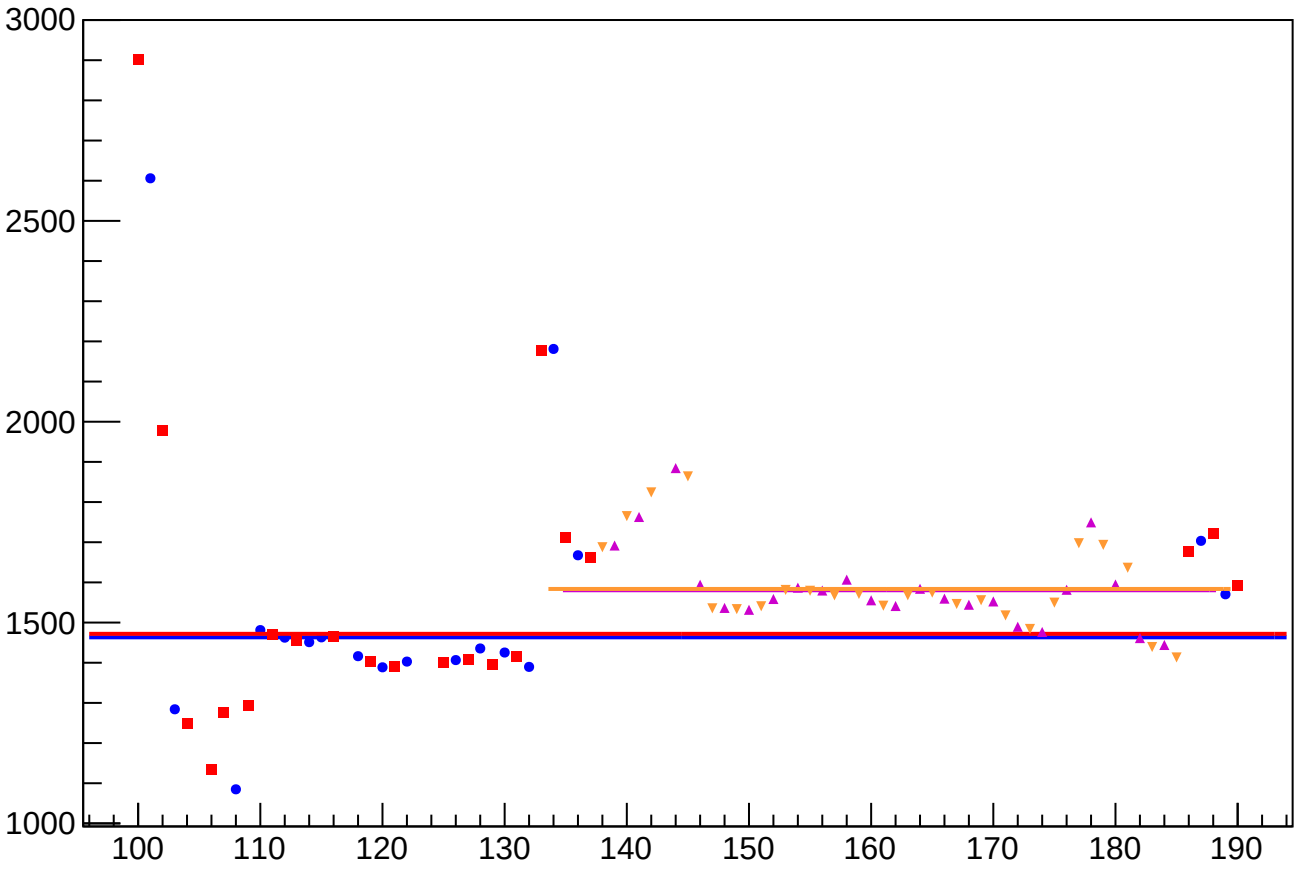
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 167.110+/-363.901 χ^2/NDF: 47.1/38

In: 123.601+/-302.843 χ^2/NDF:38.4/40

Out: 84.459+/-297.077 χ^2/NDF:54.7/44

All: 103.654+/-212.074 χ^2/NDF: 93.2/85



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.5/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1471.936+/-0.355 χ^2/NDF: 394736.4/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

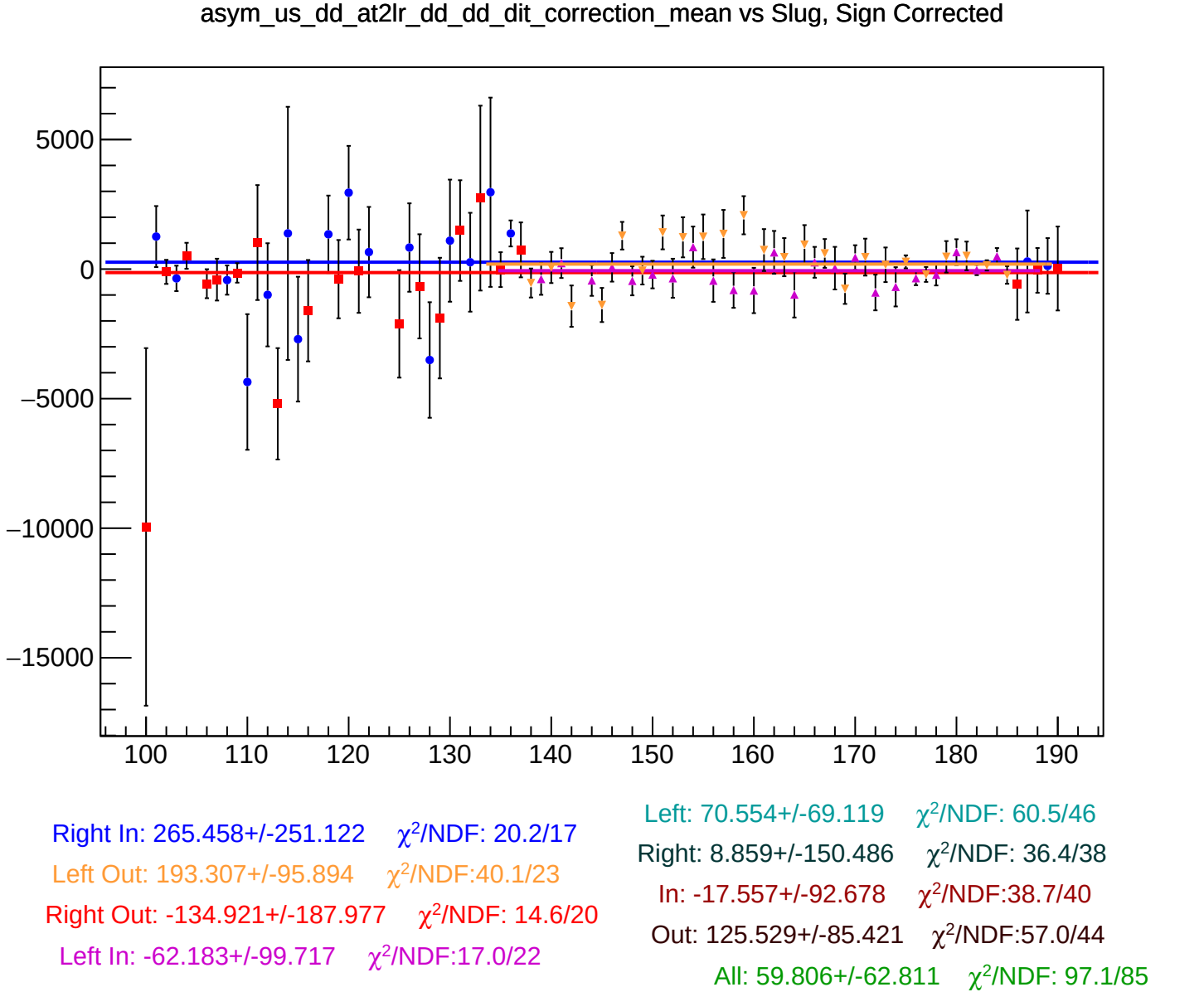
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1467.812+/-0.257 χ^2/NDF: 896208.3/38

In: 1541.873+/-0.214 χ^2/NDF:693090.1/40

Out: 1544.610+/-0.210 χ^2/NDF:592653.1/44

All: 1543.267+/-0.150 χ^2/NDF: 1285826.5/85


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
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−5000
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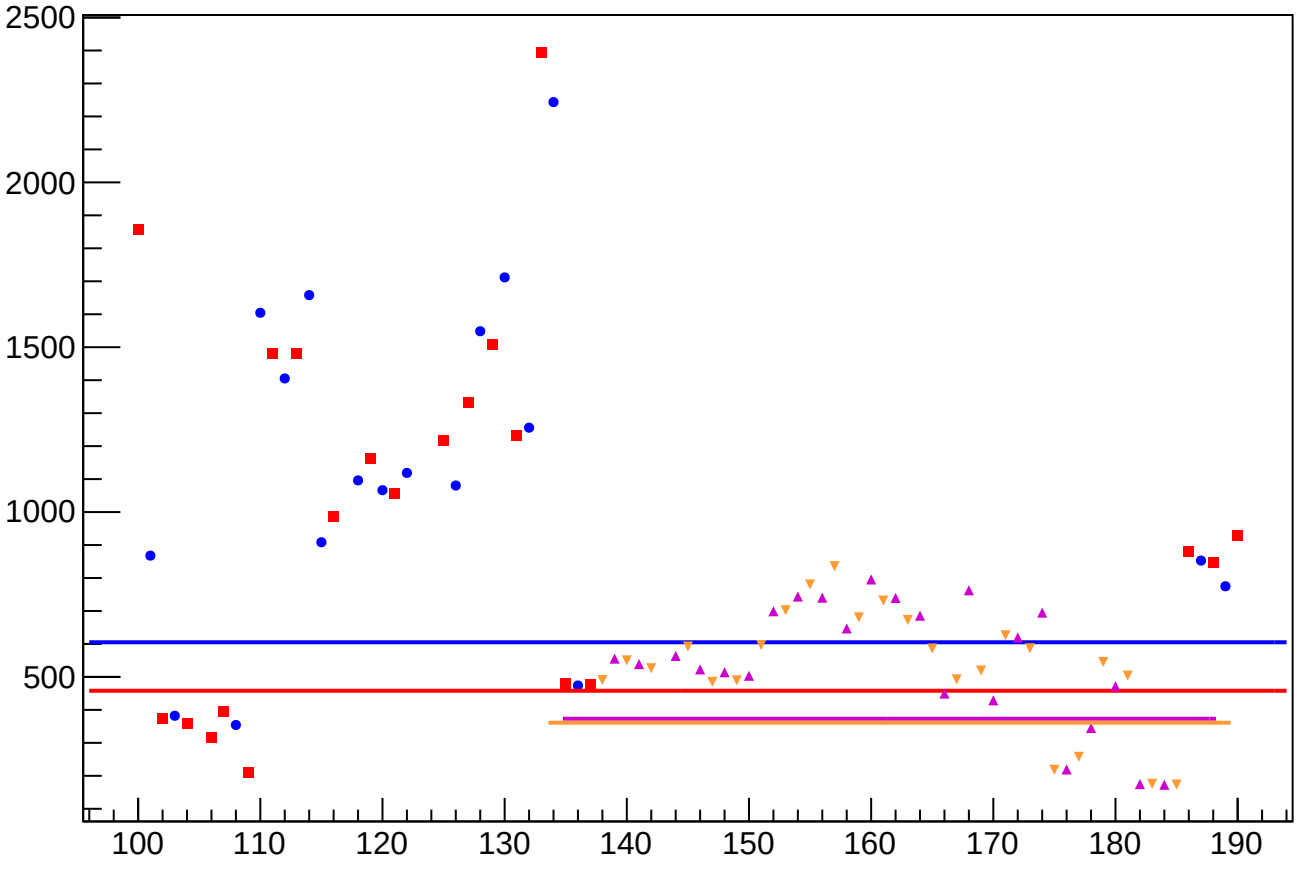
140
150
160
170
180
190
Right In: 265.458+/-251.122 χ²/NDF: 20.2/17
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -134.921+/-187.977 χ²/NDF: 14.6/20
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: 8.859+/-150.486 χ²/NDF: 36.4/38
In: -17.557+/-92.678 χ²/NDF:38.7/40
Out: 125.529+/-85.421 χ²/NDF:57.0/44
All: 59.806+/-62.811 χ²/NDF: 97.1/85



Right In: 605.091+/-0.178 χ^2/NDF: 3973313.4/17

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 458.046+/-0.133 χ^2/NDF: 5683692.4/20

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

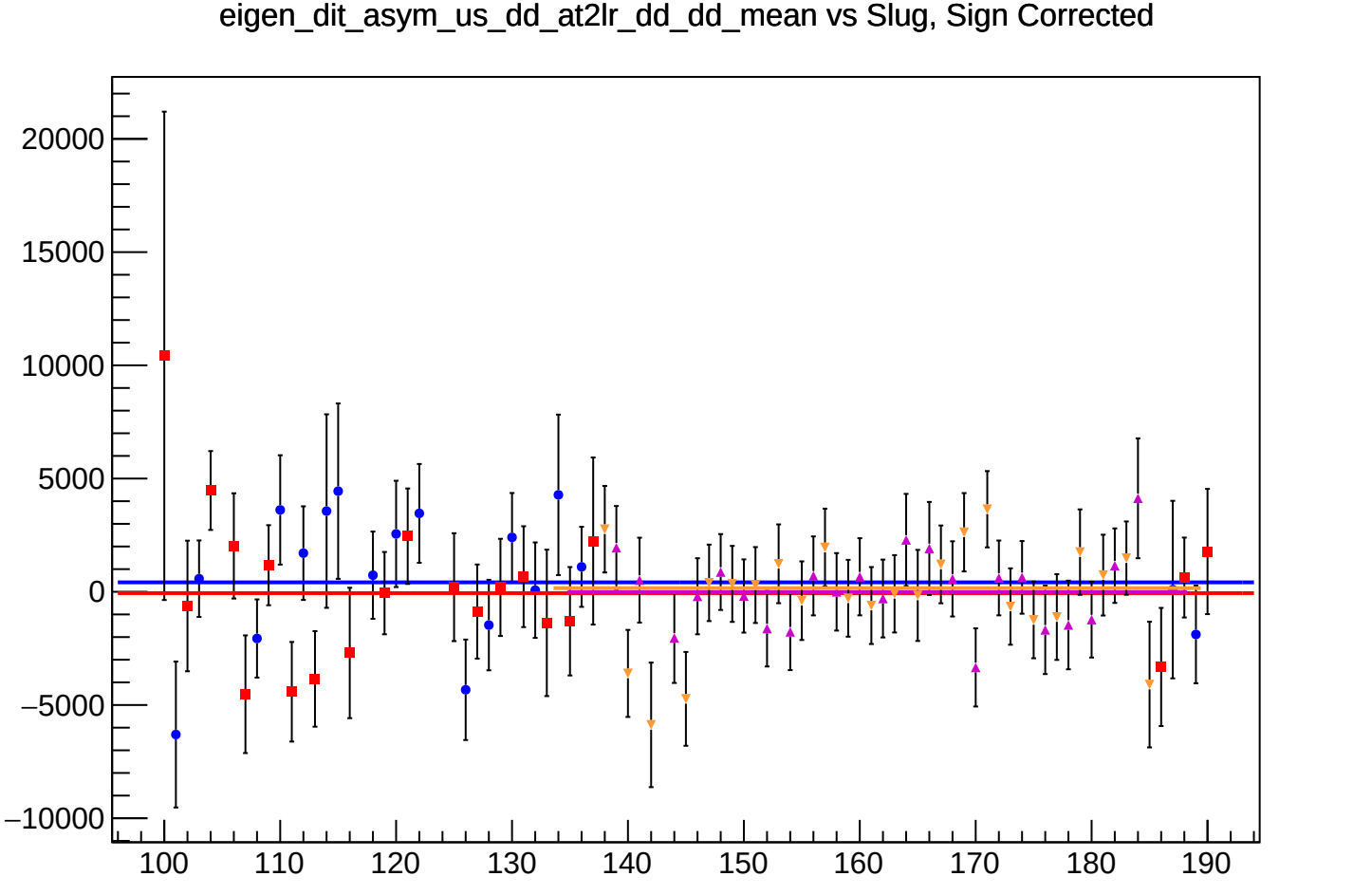
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 510.851+/-0.106 χ^2/NDF: 10096489.5/38

In: 404.732+/-0.066 χ^2/NDF:13654559.7/40

Out: 381.119+/-0.060 χ^2/NDF:14288934.2/44

All: 391.965+/-0.044 χ^2/NDF: 28013692.8/85


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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−5000
−10000
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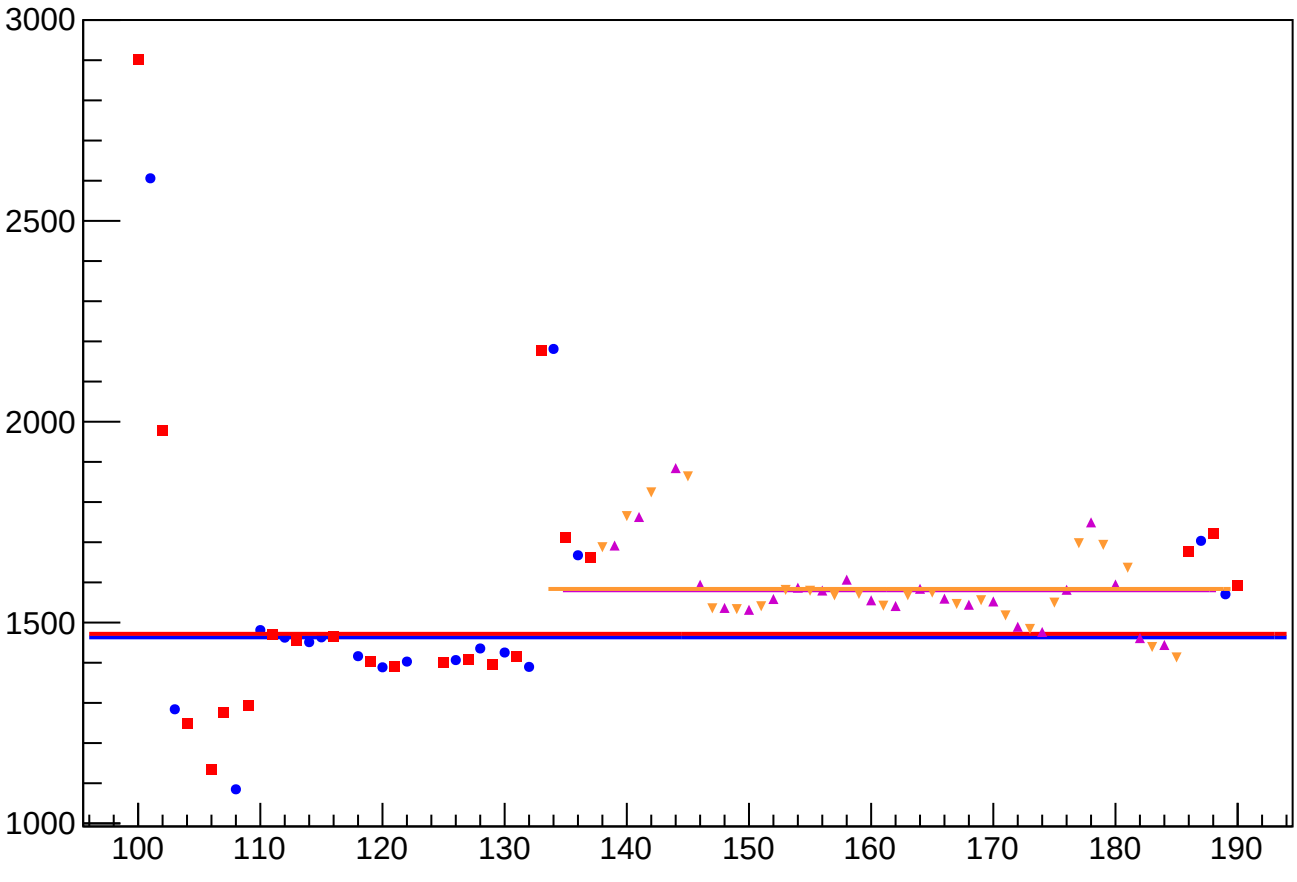
170
180
190
Right In: 416.629+/-527.764 χ²/NDF: 22.0/17
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -59.035+/-502.438 χ²/NDF: 24.7/20
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 167.110+/-363.901 χ²/NDF: 47.1/38
In: 123.602+/-302.843 χ²/NDF:38.4/40
Out: 84.457+/-297.077 χ²/NDF:54.7/44
All: 103.654+/-212.074 χ²/NDF: 93.2/85



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.1/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1471.936+/-0.355 χ^2/NDF: 394736.6/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

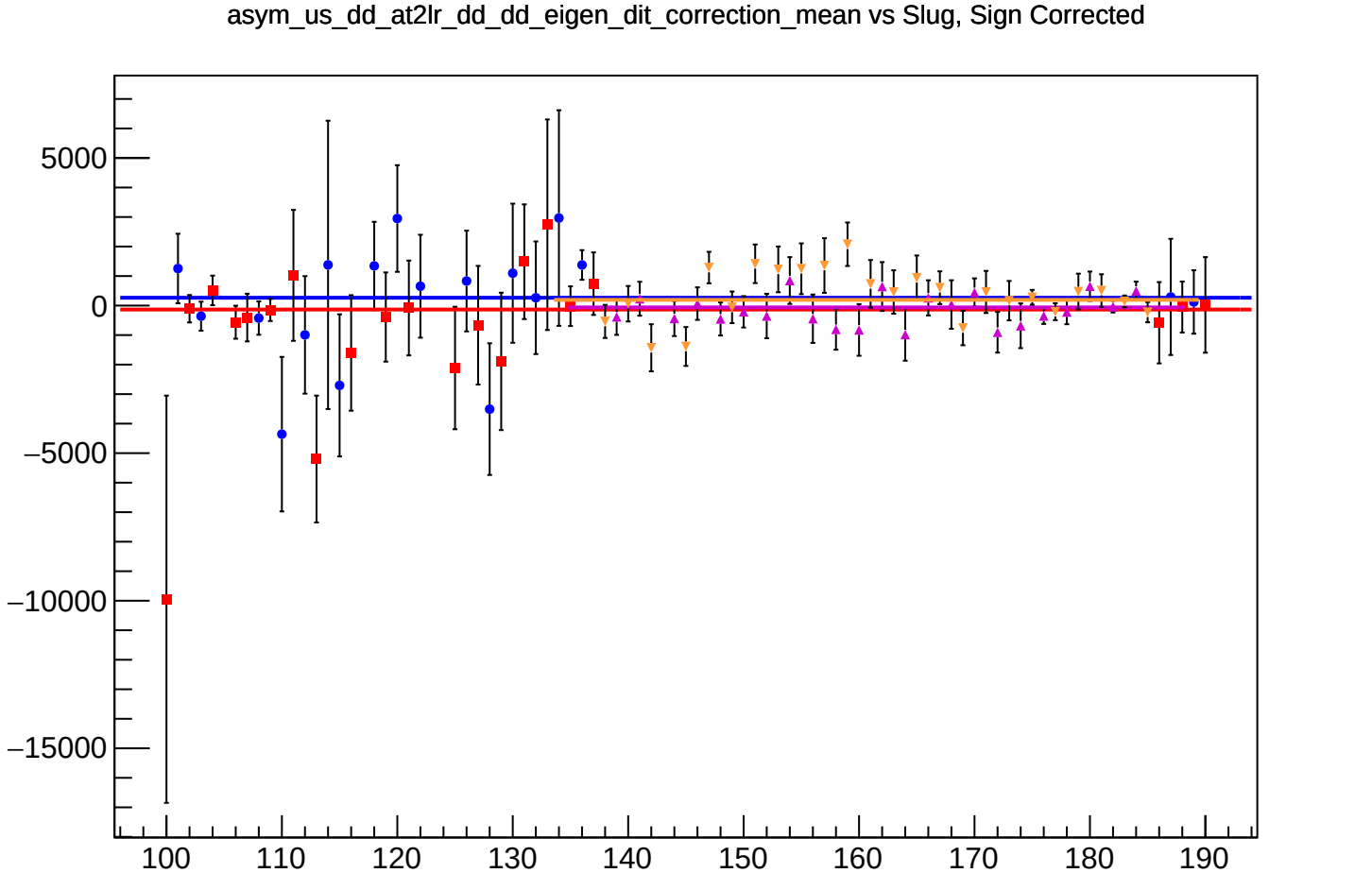
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1467.812+/-0.257 χ^2/NDF: 896208.0/38

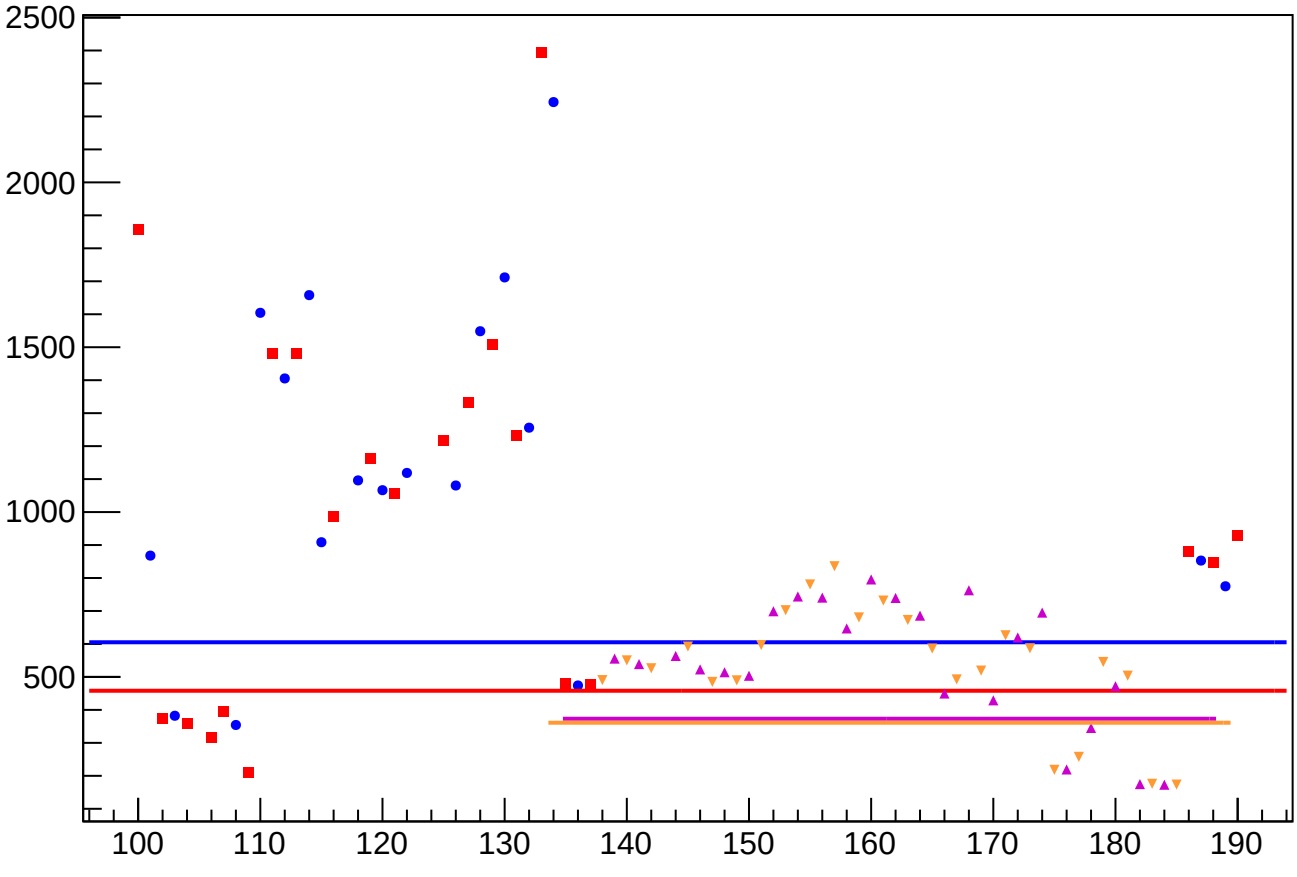
In: 1541.873+/-0.214 χ^2/NDF:693089.3/40

Out: 1544.609+/-0.210 χ^2/NDF:592653.3/44

All: 1543.267+/-0.150 χ^2/NDF: 1285825.8/85


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 265.452+/-251.121 χ²/NDF: 20.2/17
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -134.917+/-187.979 χ²/NDF: 14.6/20
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 8.861+/-150.487 χ²/NDF: 36.4/38
In: -17.556+/-92.678 χ²/NDF:38.7/40
Out: 125.534+/-85.421 χ²/NDF:57.0/44
All: 59.810+/-62.811 χ²/NDF: 97.1/85

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.089+/-0.178 χ^2/NDF: 3973350.2/17

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 458.052+/-0.133 χ^2/NDF: 5683612.1/20

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

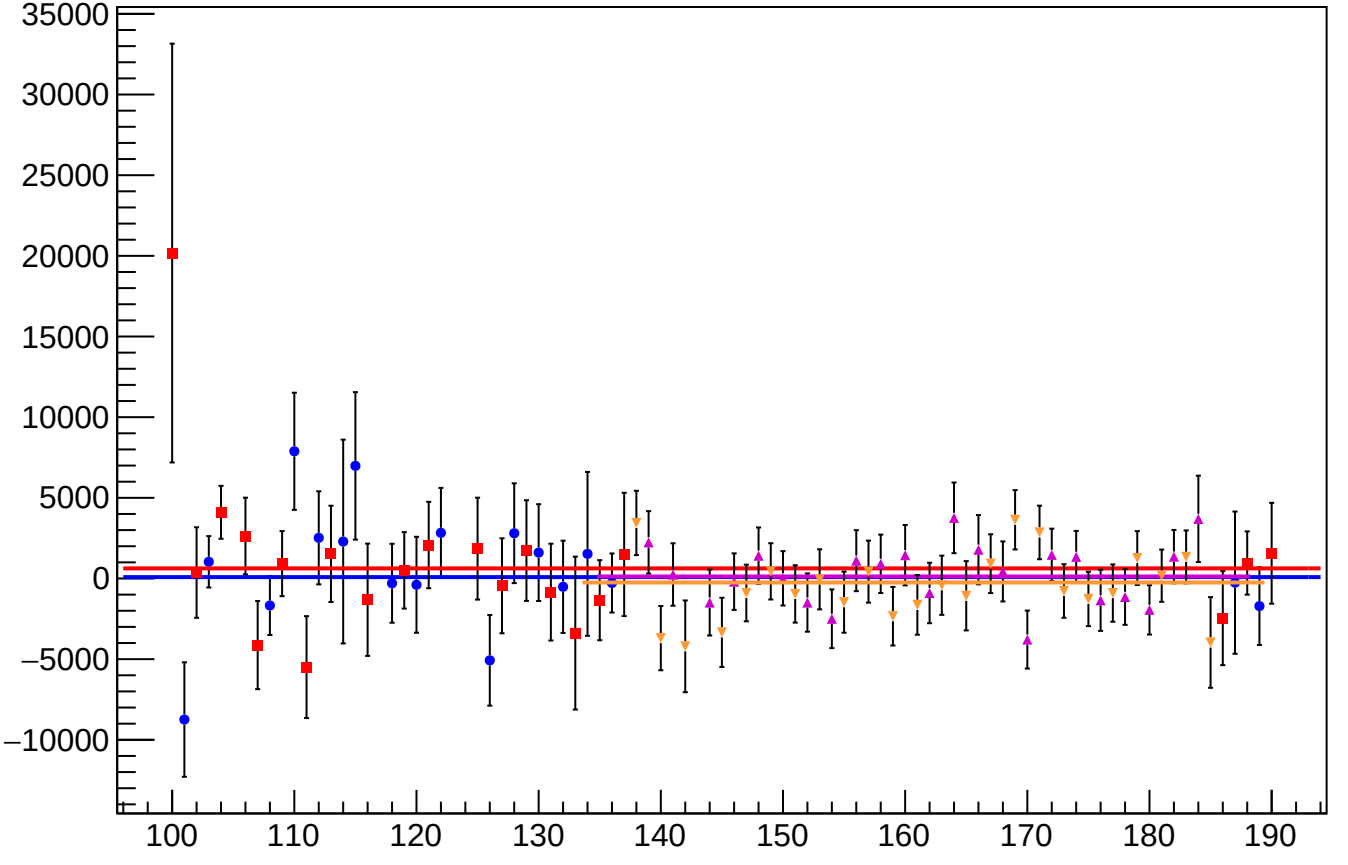
Right: 510.855+/-0.106 χ^2/NDF: 10096400.9/38

In: 404.737+/-0.066 χ^2/NDF:13654272.8/40

Out: 381.123+/-0.060 χ^2/NDF:14288709.9/44

All: 391.969+/-0.044 χ^2/NDF: 28013183.2/85

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 85.677+/-635.451 χ^2/NDF: 21.3/17

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 626.705+/-591.373 χ^2/NDF: 18.3/20

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

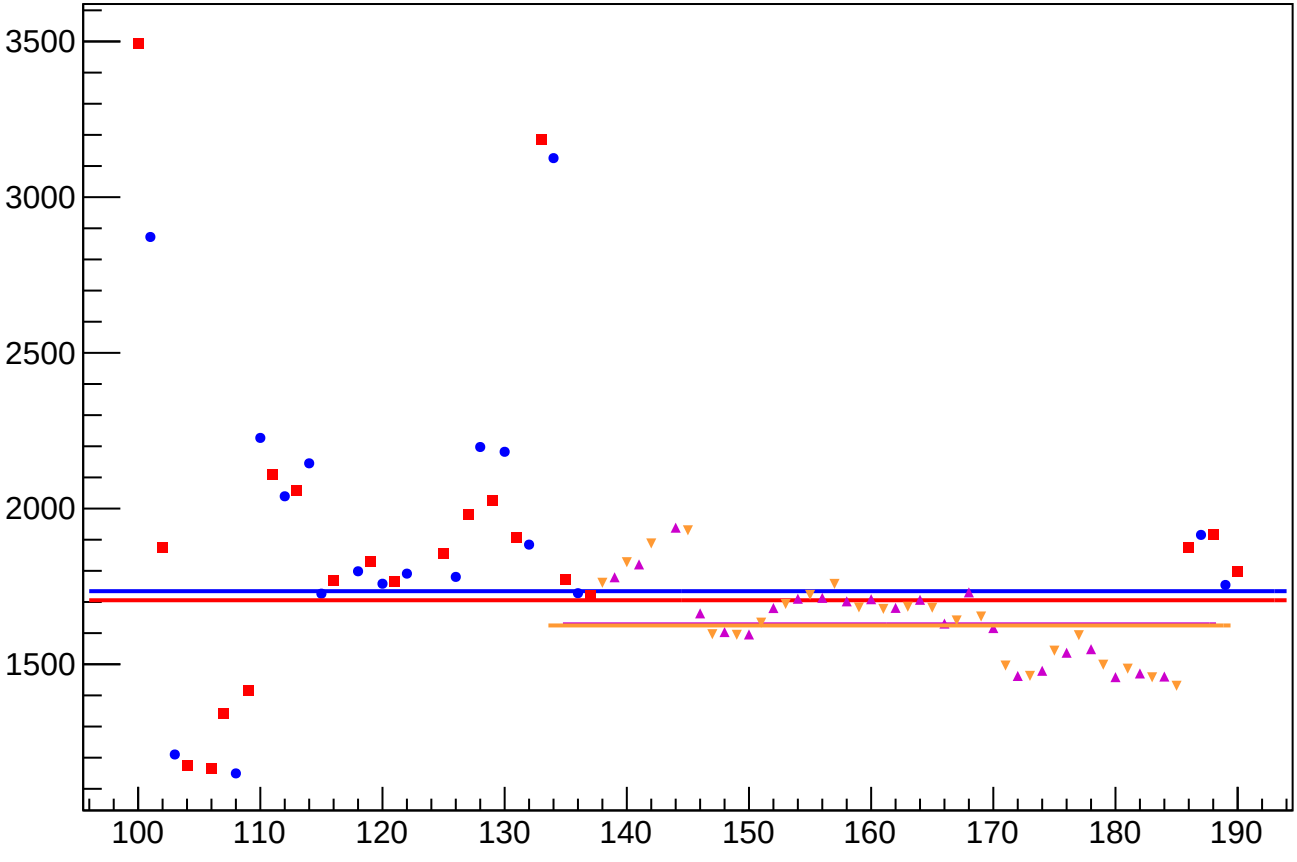
Right: 375.604+/-432.909 χ^2/NDF: 40.0/38

In: 115.409+/-326.959 χ^2/NDF:42.6/40

Out: 6.560+/-318.630 χ^2/NDF:45.9/44

All: 59.580+/-228.193 χ^2/NDF: 88.5/85

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1734.705+/-0.449 χ^2/NDF: 945721.5/17

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1705.557+/-0.418 χ^2/NDF: 782217.8/20

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

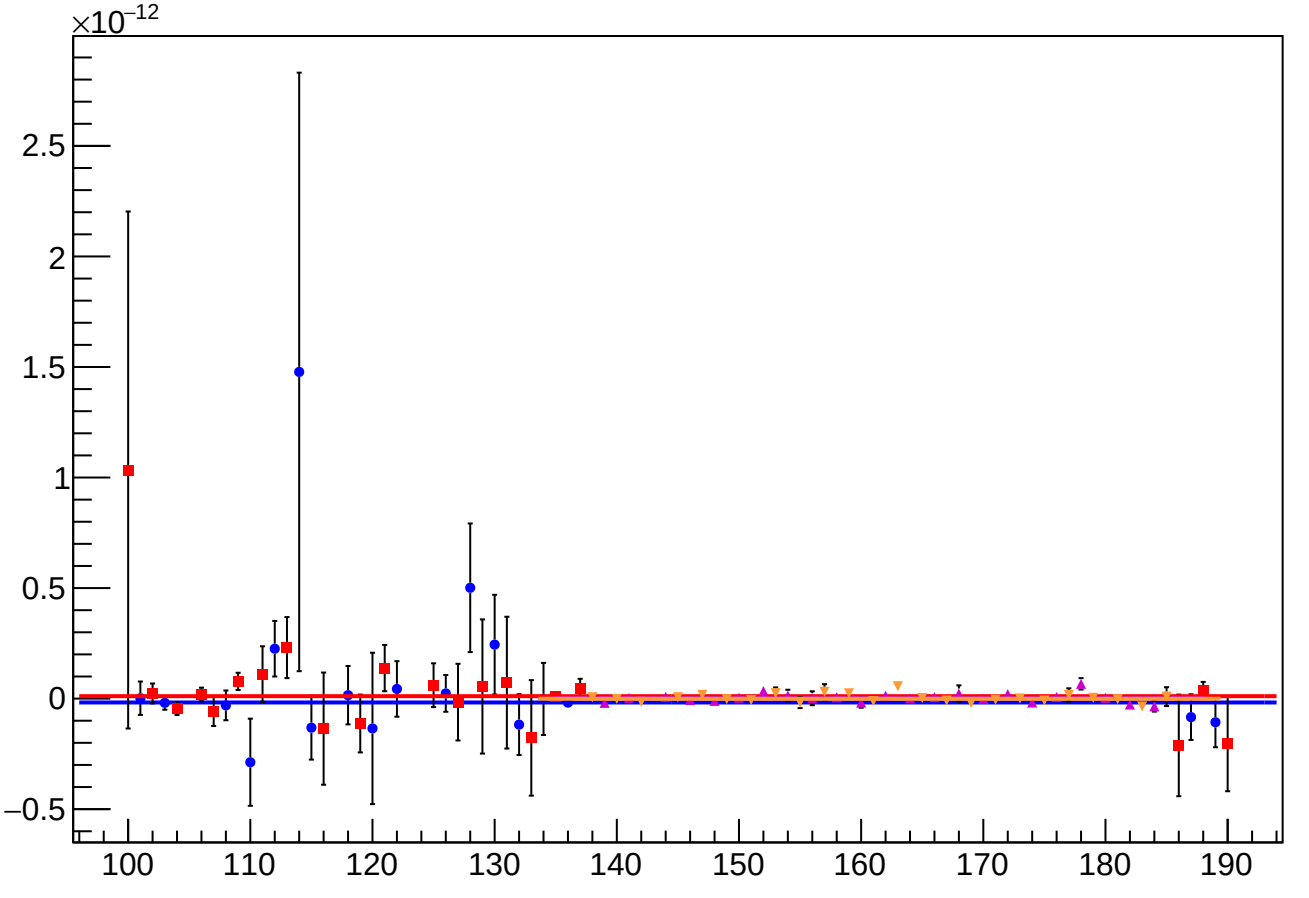
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1719.085+/-0.306 χ^2/NDF: 1730194.3/38

In: 1656.412+/-0.231 χ^2/NDF:1191894.8/40

Out: 1648.112+/-0.225 χ^2/NDF:1016067.0/44

All: 1652.155+/-0.161 χ^2/NDF: 2208622.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

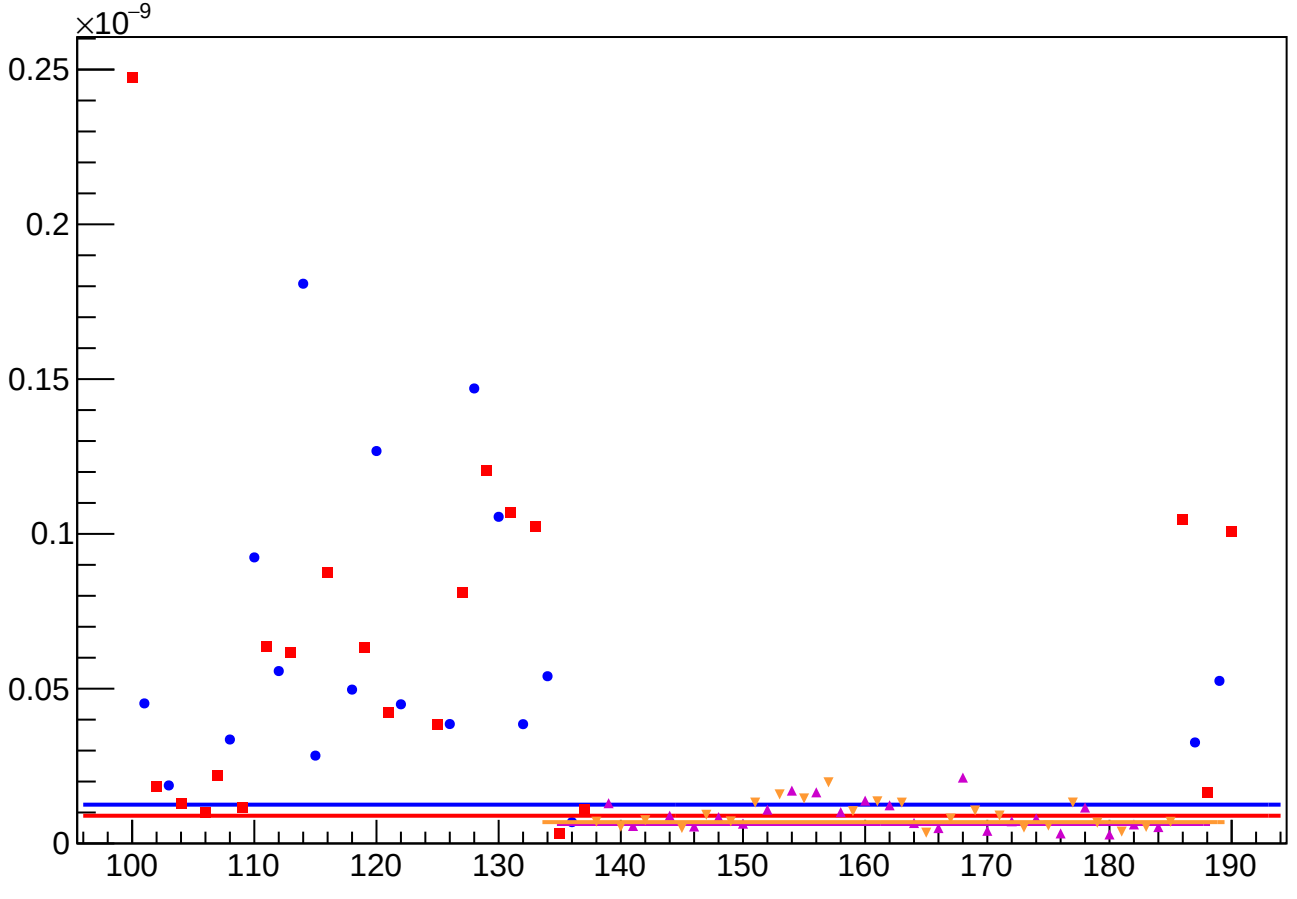
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 37.9/38

In: 0.000+/-0.000 χ^2/NDF:41.9/40

Out: 0.000+/-0.000 χ^2/NDF:43.2/44

All: 0.000+/-0.000 χ^2/NDF: 85.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 3756846.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4318793.0/20

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

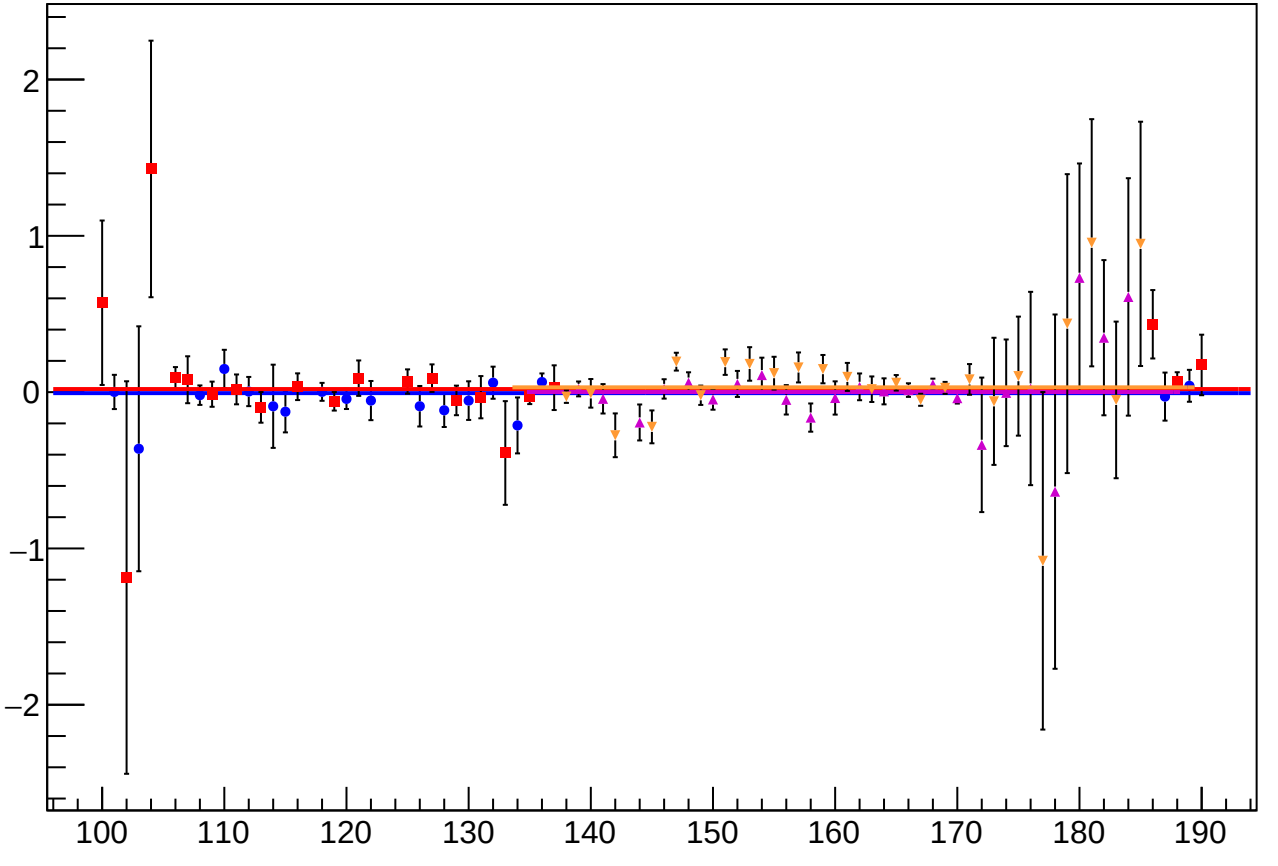
Right: 0.000+/-0.000 χ^2/NDF: 8222197.7/38

In: 0.000+/-0.000 χ^2/NDF:7348399.9/40

Out: 0.000+/-0.000 χ^2/NDF:6682522.5/44

All: 0.000+/-0.000 χ^2/NDF: 14051800.0/85

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

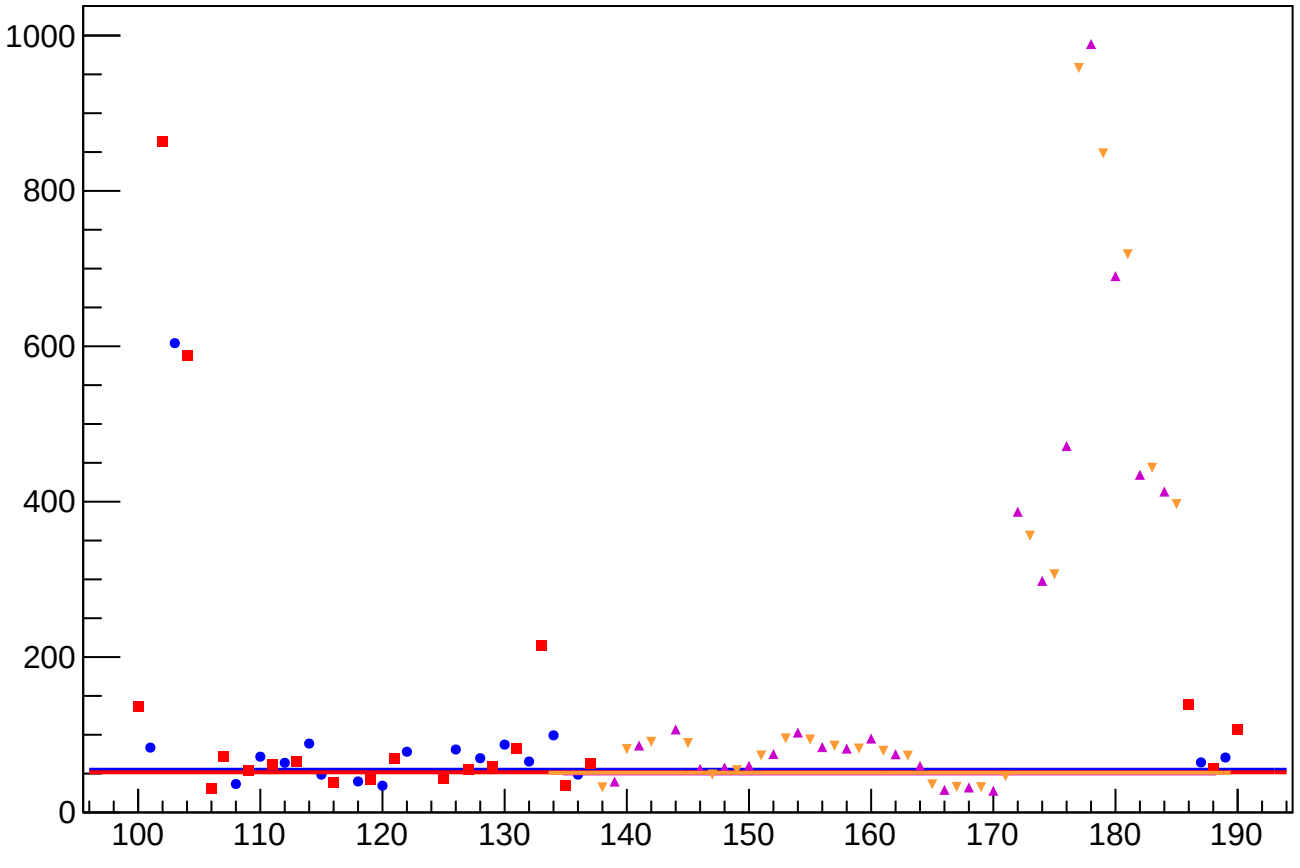
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.008+/-0.015 χ^2/NDF: 28.1/38

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.013+/-0.009 χ^2/NDF: 87.7/85



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

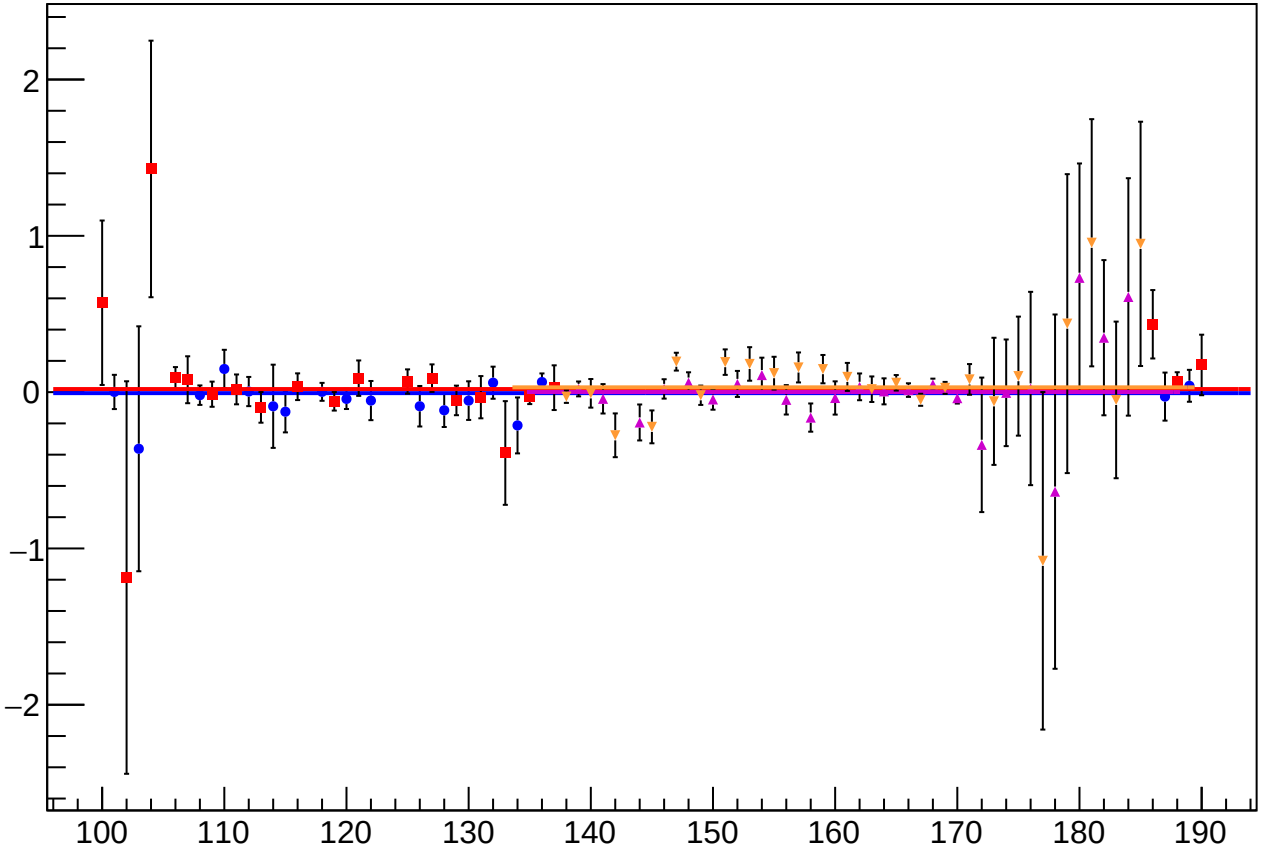
Right: 53.185+/-0.011 χ^2/NDF: 5824251.0/38

In: 51.749+/-0.009 χ^2/NDF:14529812.0/40

Out: 51.294+/-0.009 χ^2/NDF:15265094.1/44

All: 51.518+/-0.006 χ^2/NDF: 29796232.2/85

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

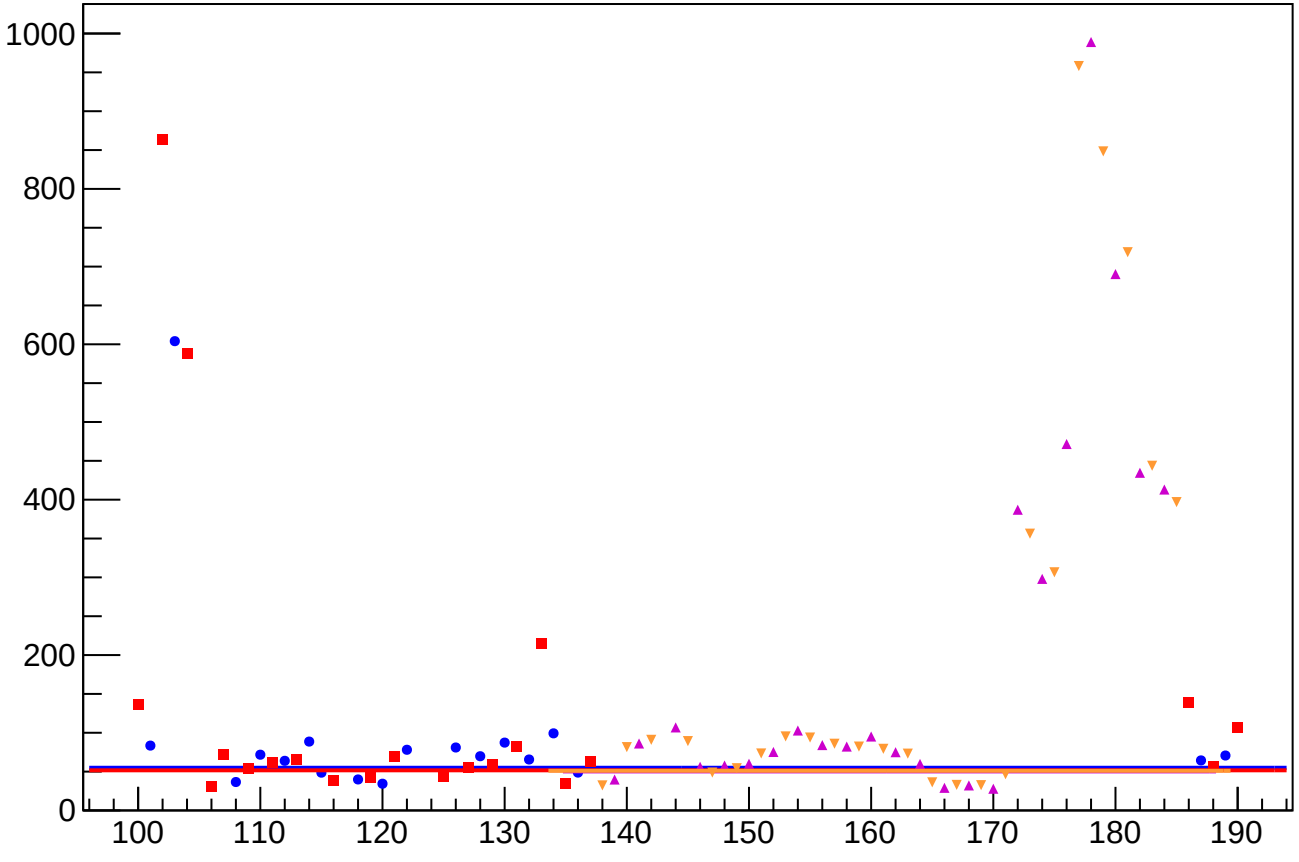
Right: 0.008+/-0.015 χ^2/NDF: 28.1/38

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.013+/-0.009 χ^2/NDF: 87.7/85

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

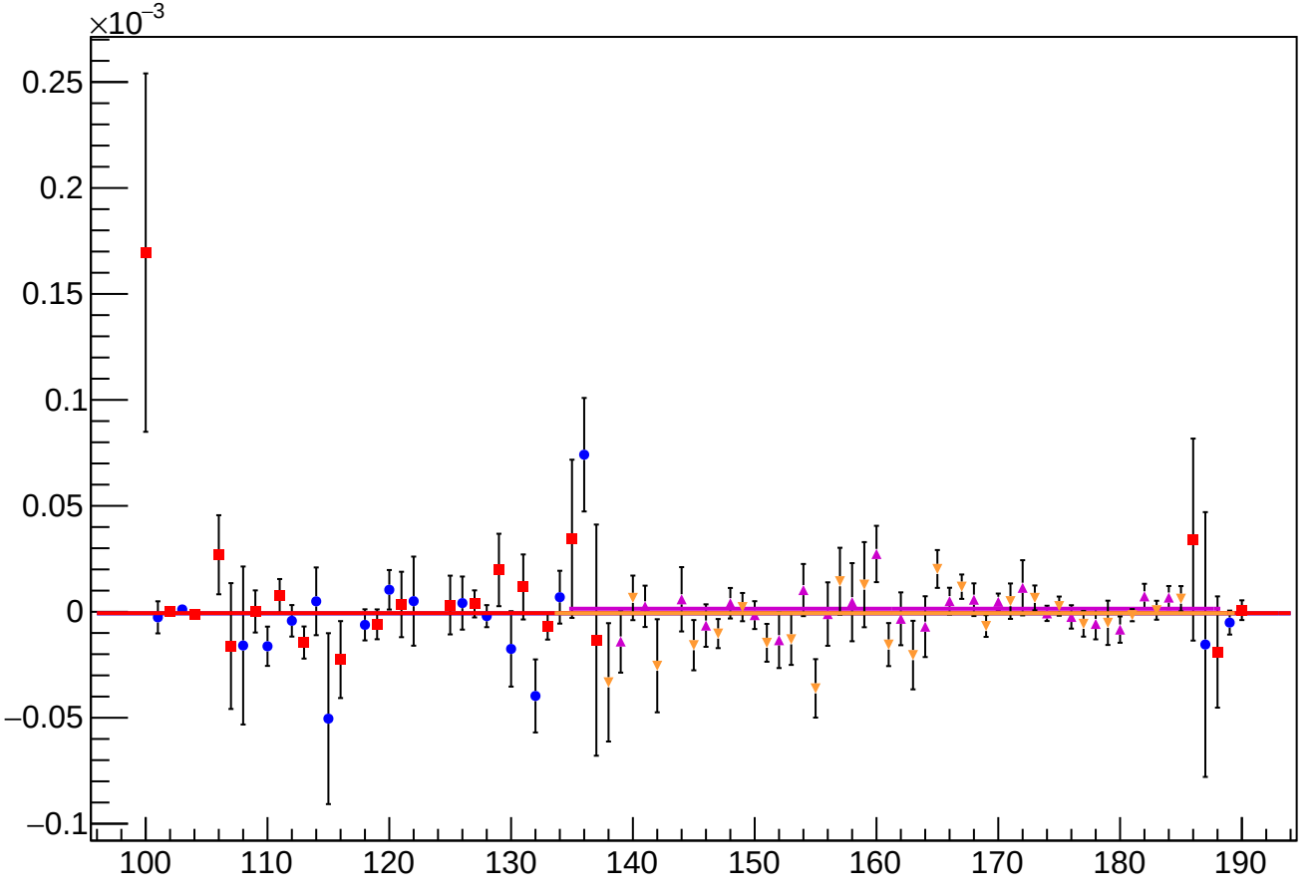
Right: 53.185+/-0.011 χ^2/NDF: 5824251.0/38

In: 51.749+/-0.009 χ^2/NDF:14529812.0/40

Out: 51.294+/-0.009 χ^2/NDF:15265094.1/44

All: 51.518+/-0.006 χ^2/NDF: 29796232.2/85

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

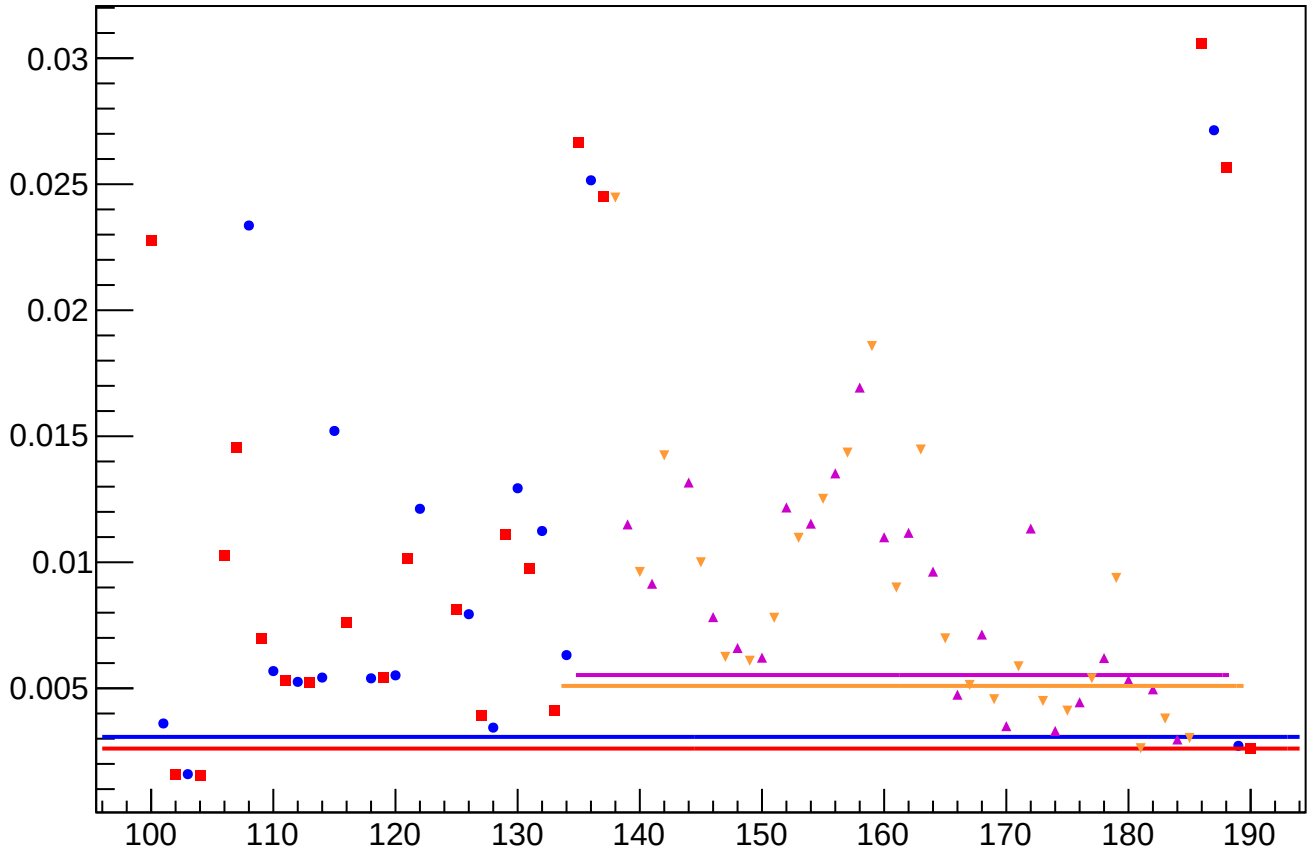
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: -0.000+/-0.000 χ^2/NDF: 41.8/38

In: 0.000+/-0.000 χ^2/NDF:40.3/40

Out: -0.000+/-0.000 χ^2/NDF:57.4/44

All: -0.000+/-0.000 χ^2/NDF: 98.2/85



Right In: 0.003+/-0.000 χ^2/NDF: 6083964.2/17

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8474453.4/20

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

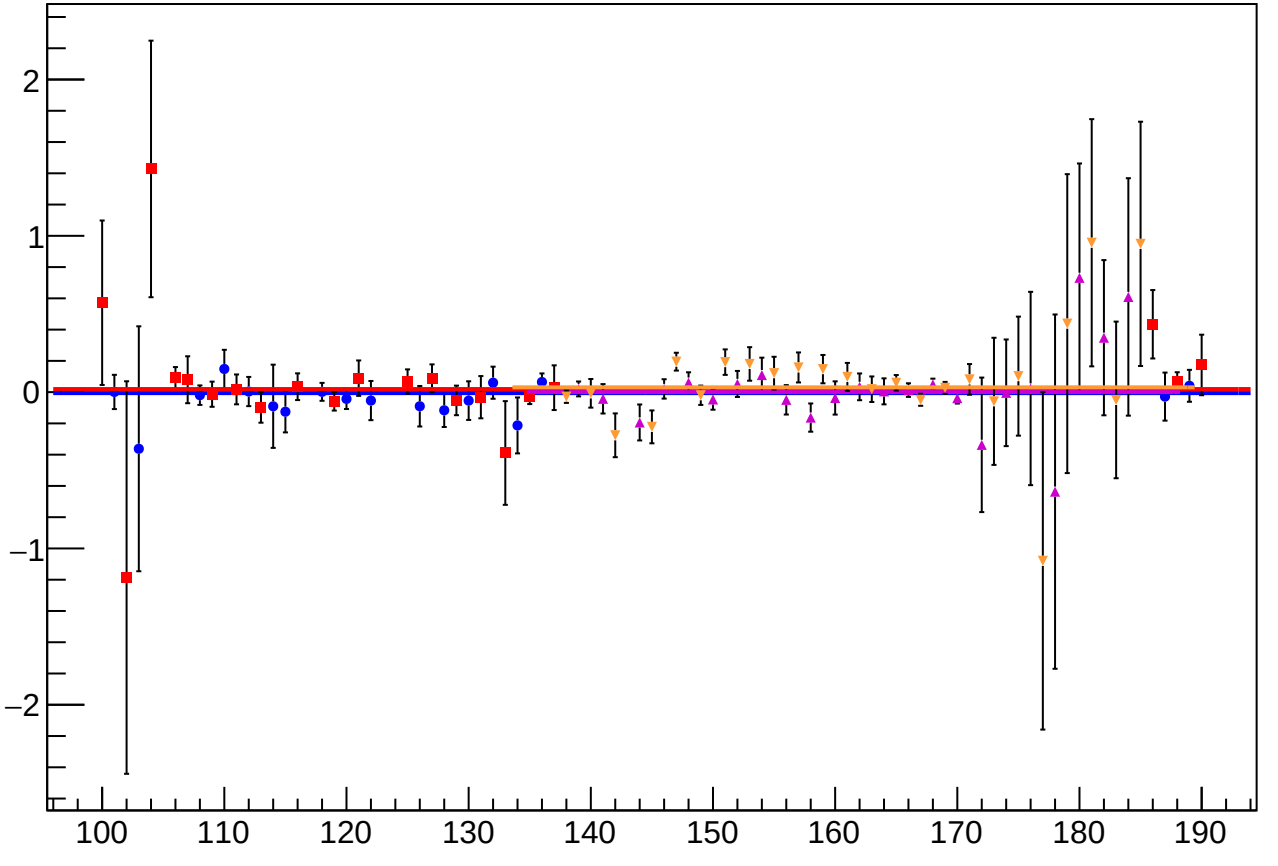
Right: 0.003+/-0.000 χ^2/NDF: 14667871.1/38

In: 0.004+/-0.000 χ^2/NDF:15537628.5/40

Out: 0.004+/-0.000 χ^2/NDF:20458503.3/44

All: 0.004+/-0.000 χ^2/NDF: 36409420.2/85

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

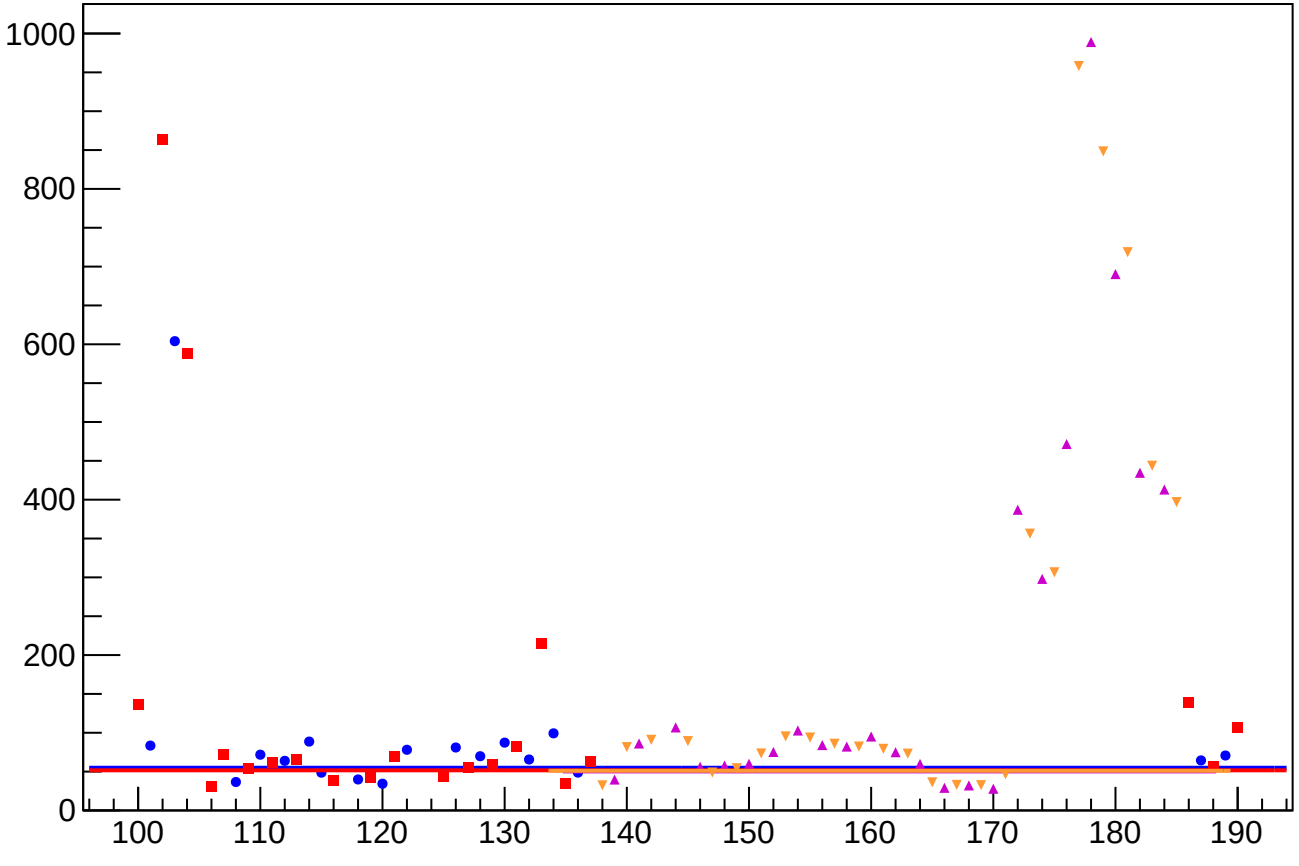
Right: 0.008+/-0.015 χ^2/NDF: 28.1/38

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.013+/-0.009 χ^2/NDF: 87.7/85

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

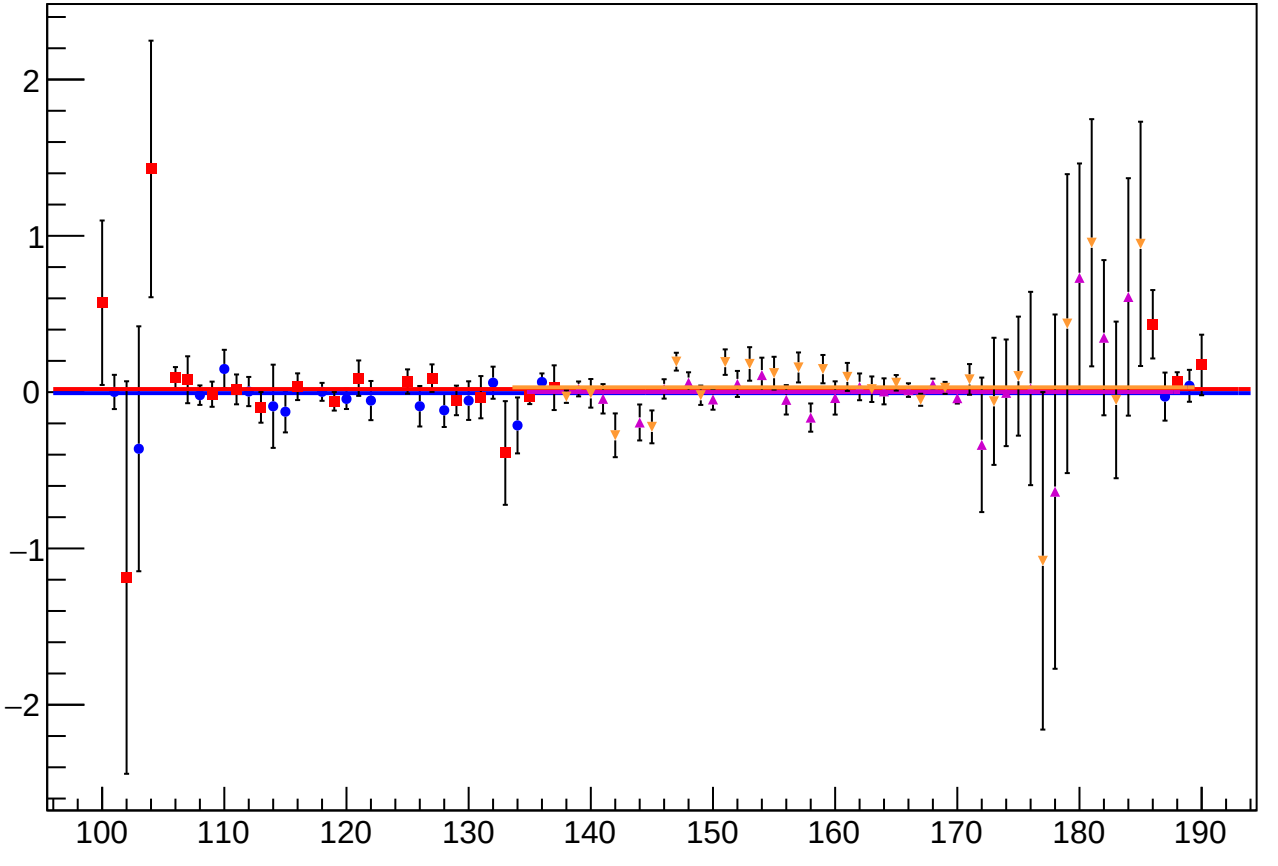
Right: 53.188+/-0.011 χ^2/NDF: 5823579.1/38

In: 51.750+/-0.009 χ^2/NDF:14529430.3/40

Out: 51.296+/-0.009 χ^2/NDF:15263983.1/44

All: 51.519+/-0.006 χ^2/NDF: 29794731.2/85

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

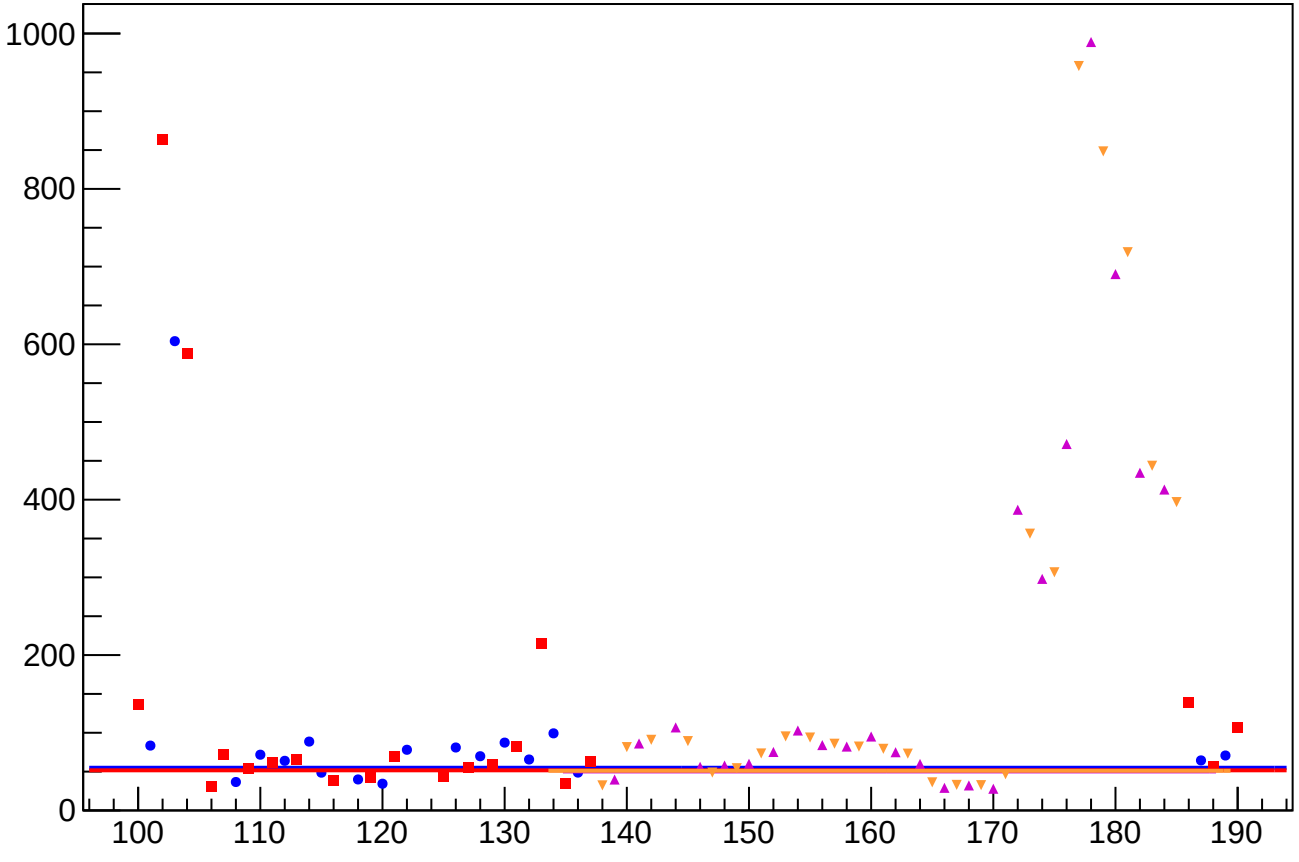
Right: 0.008+/-0.015 χ^2/NDF: 28.1/38

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.013+/-0.009 χ^2/NDF: 87.7/85

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

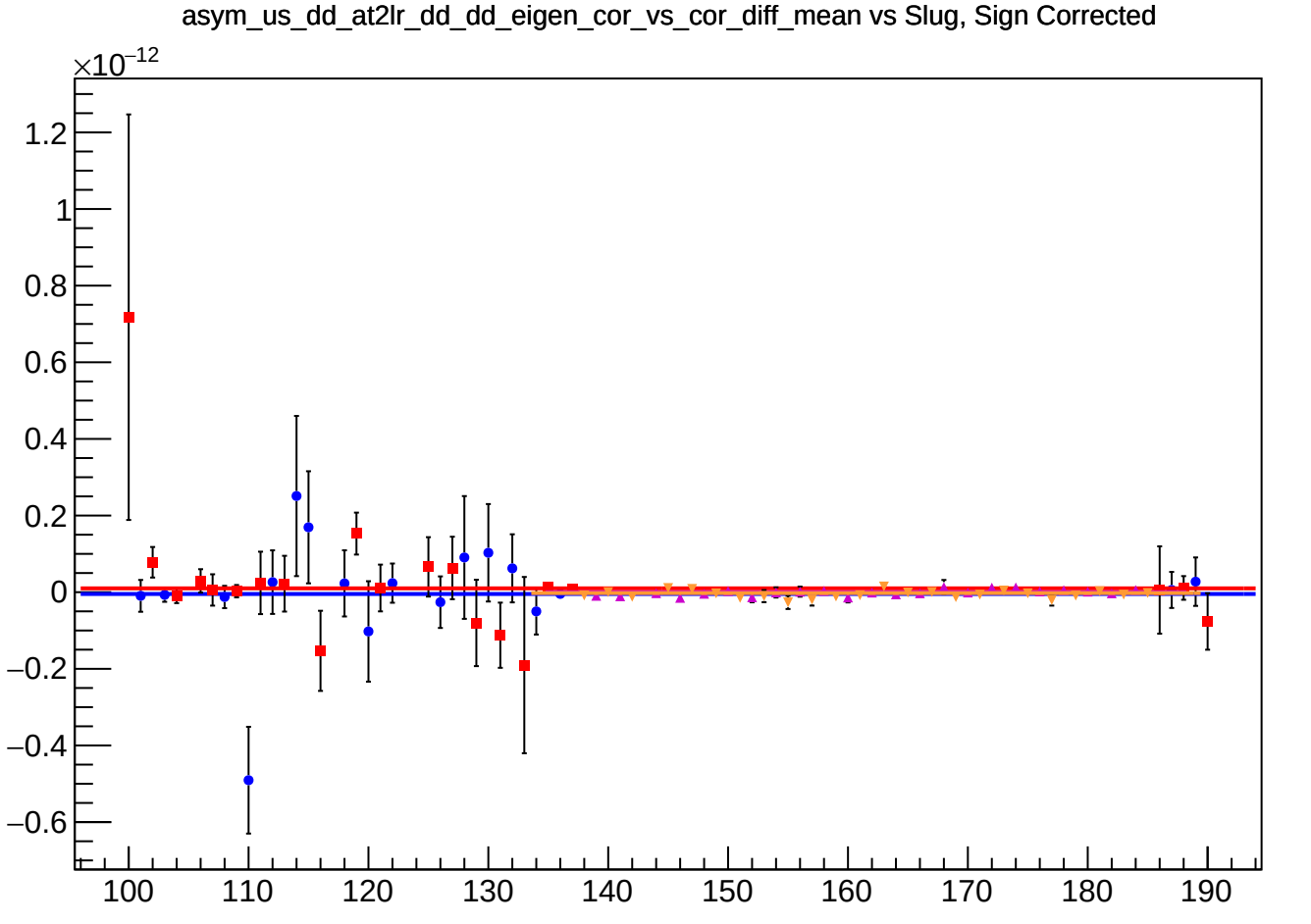
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 53.188+/-0.011 χ^2/NDF: 5823579.1/38

In: 51.750+/-0.009 χ^2/NDF:14529430.3/40

Out: 51.296+/-0.009 χ^2/NDF:15263983.1/44

All: 51.519+/-0.006 χ^2/NDF: 29794731.2/85



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

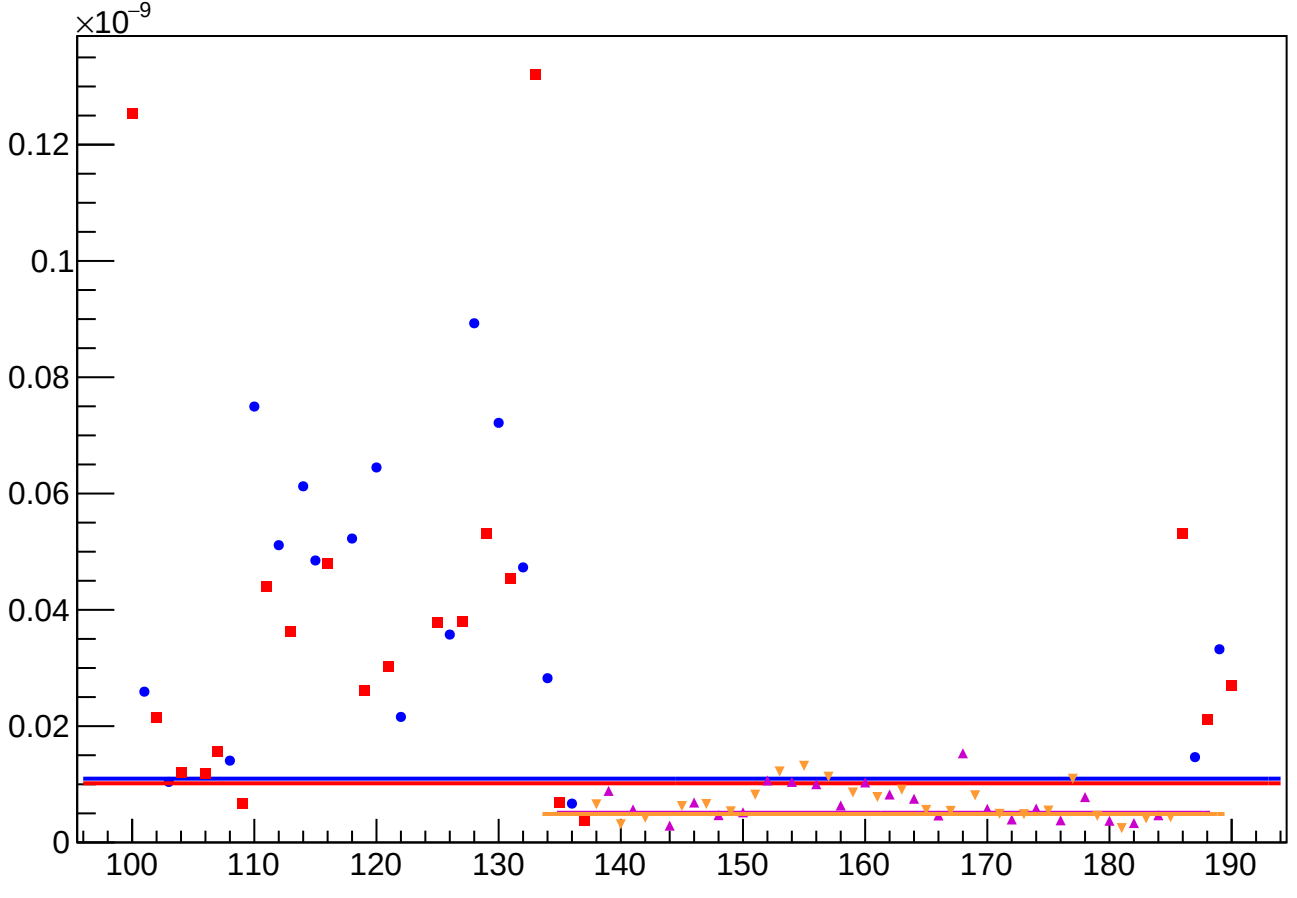
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 42.9/38

In: -0.000+/-0.000 χ^2/NDF:37.5/40

Out: -0.000+/-0.000 χ^2/NDF:47.3/44

All: -0.000+/-0.000 χ^2/NDF: 85.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 4822478.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4697973.2/20

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

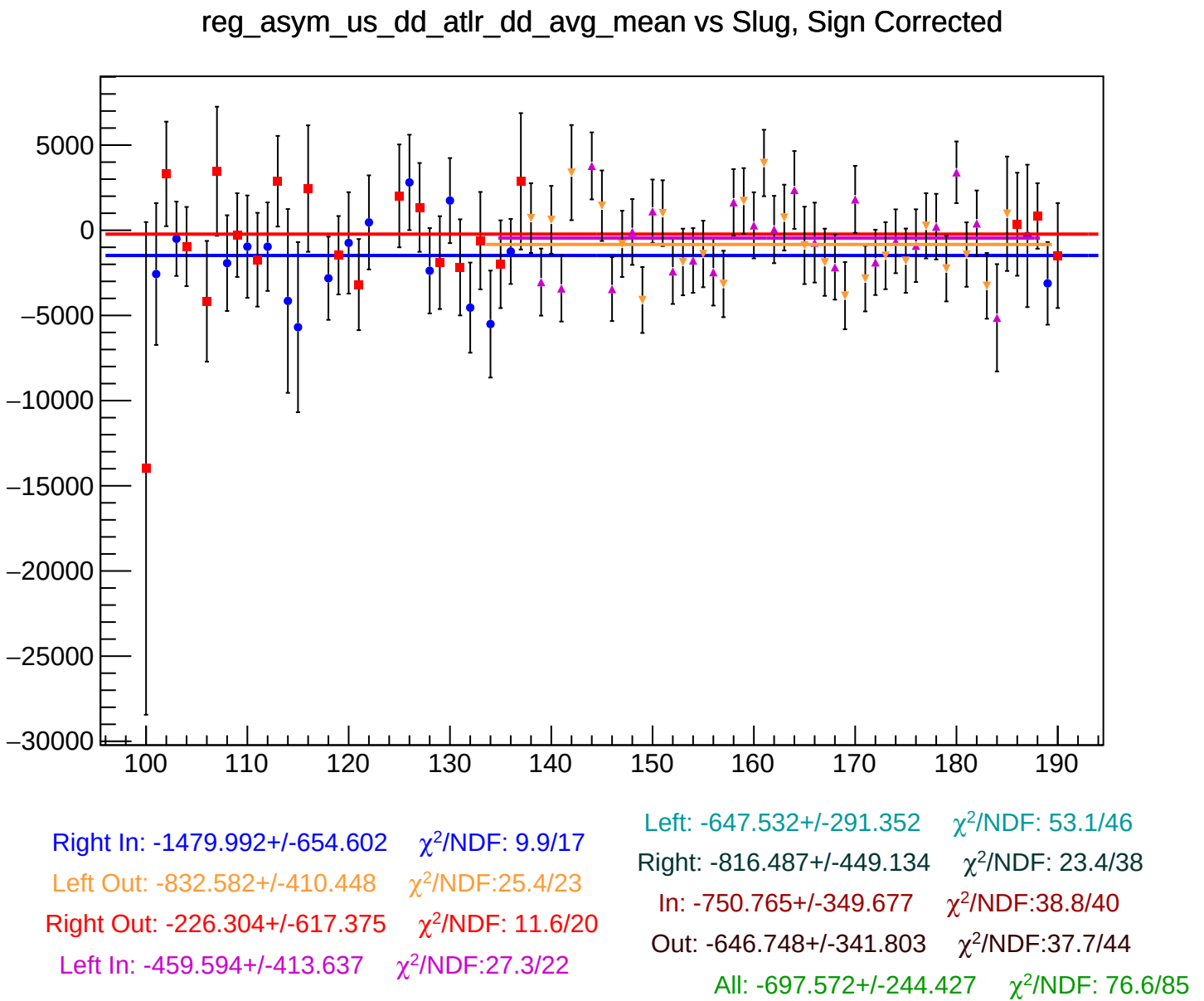
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

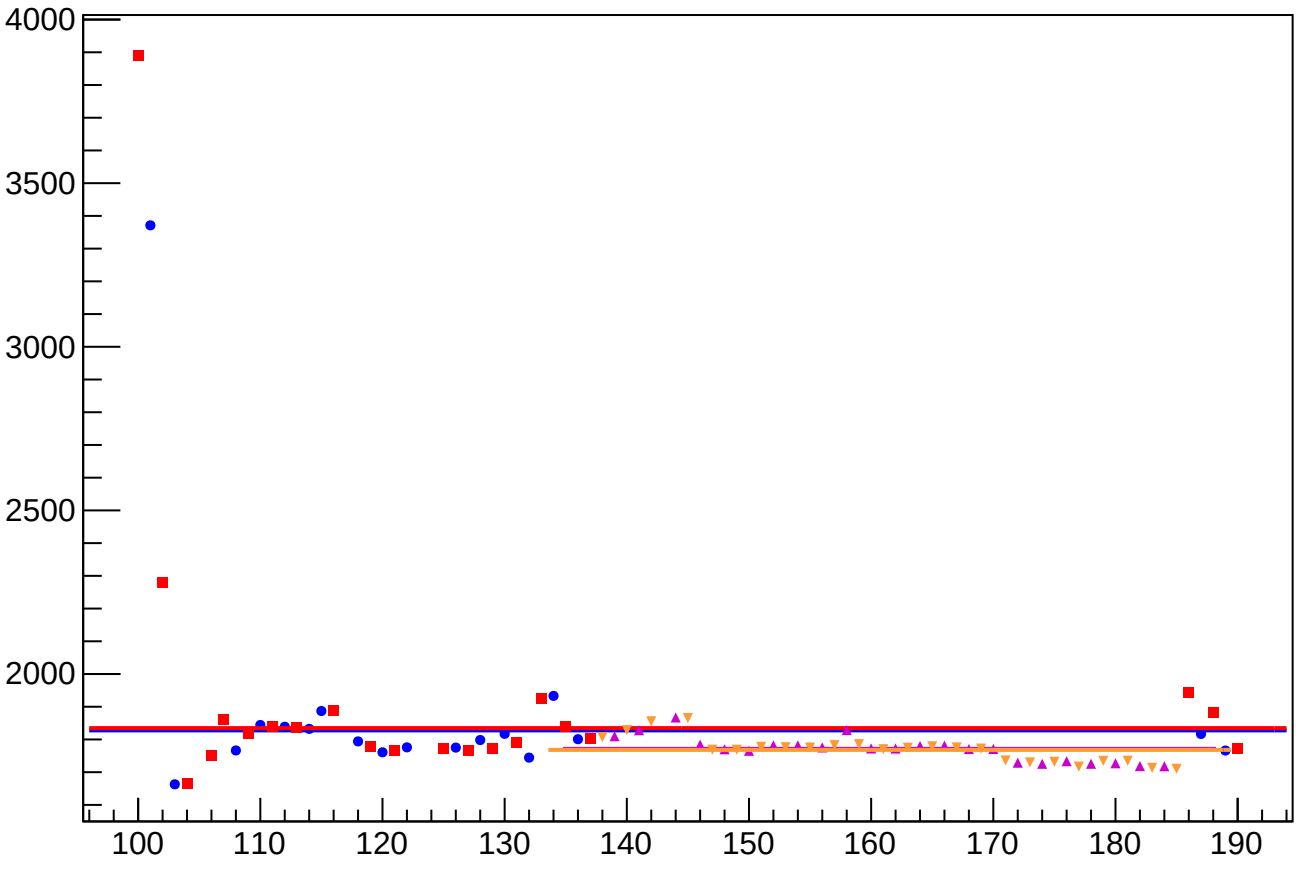
Right: 0.000+/-0.000 χ^2/NDF: 9535388.6/38

In: 0.000+/-0.000 χ^2/NDF:10041017.5/40

Out: 0.000+/-0.000 χ^2/NDF:10341246.0/44

All: 0.000+/-0.000 χ^2/NDF: 20404071.5/85


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1479.992+/-654.602 χ²/NDF: 9.9/17
Left Out: -832.582+/-410.448 χ²/NDF:25.4/23
Right Out: -226.304+/-617.375 χ²/NDF: 11.6/20
Left In: -459.594+/-413.637 χ²/NDF:27.3/22
Left: -647.532+/-291.352 χ²/NDF: 53.1/46
Right: -816.487+/-449.134 χ²/NDF: 23.4/38
In: -750.765+/-349.677 χ²/NDF:38.8/40
Out: -646.748+/-341.803 χ²/NDF:37.7/44
All: -697.572+/-244.427 χ²/NDF: 76.6/85



Right In: 1827.680+/-0.463 χ^2/NDF: 296858.3/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1834.727+/-0.437 χ^2/NDF: 107967.7/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

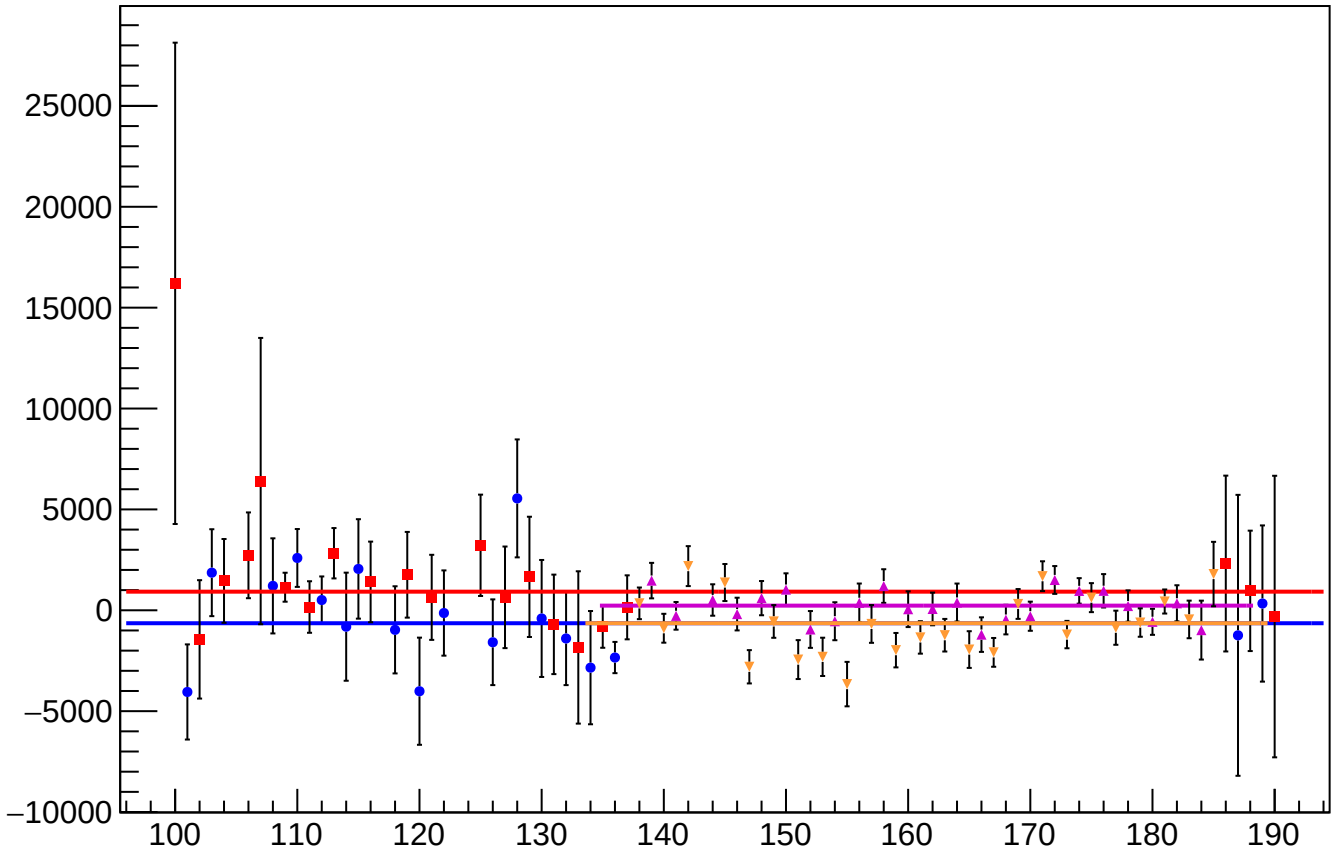
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1831.410+/-0.318 χ^2/NDF: 404948.6/38

In: 1787.329+/-0.247 χ^2/NDF:323918.0/40

Out: 1788.540+/-0.242 χ^2/NDF:140467.1/44

All: 1787.948+/-0.173 χ^2/NDF: 464397.3/85



Right In: -641.618+/-438.407 χ^2/NDF: 23.3/17

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 922.854+/-387.892 χ^2/NDF: 11.7/20

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

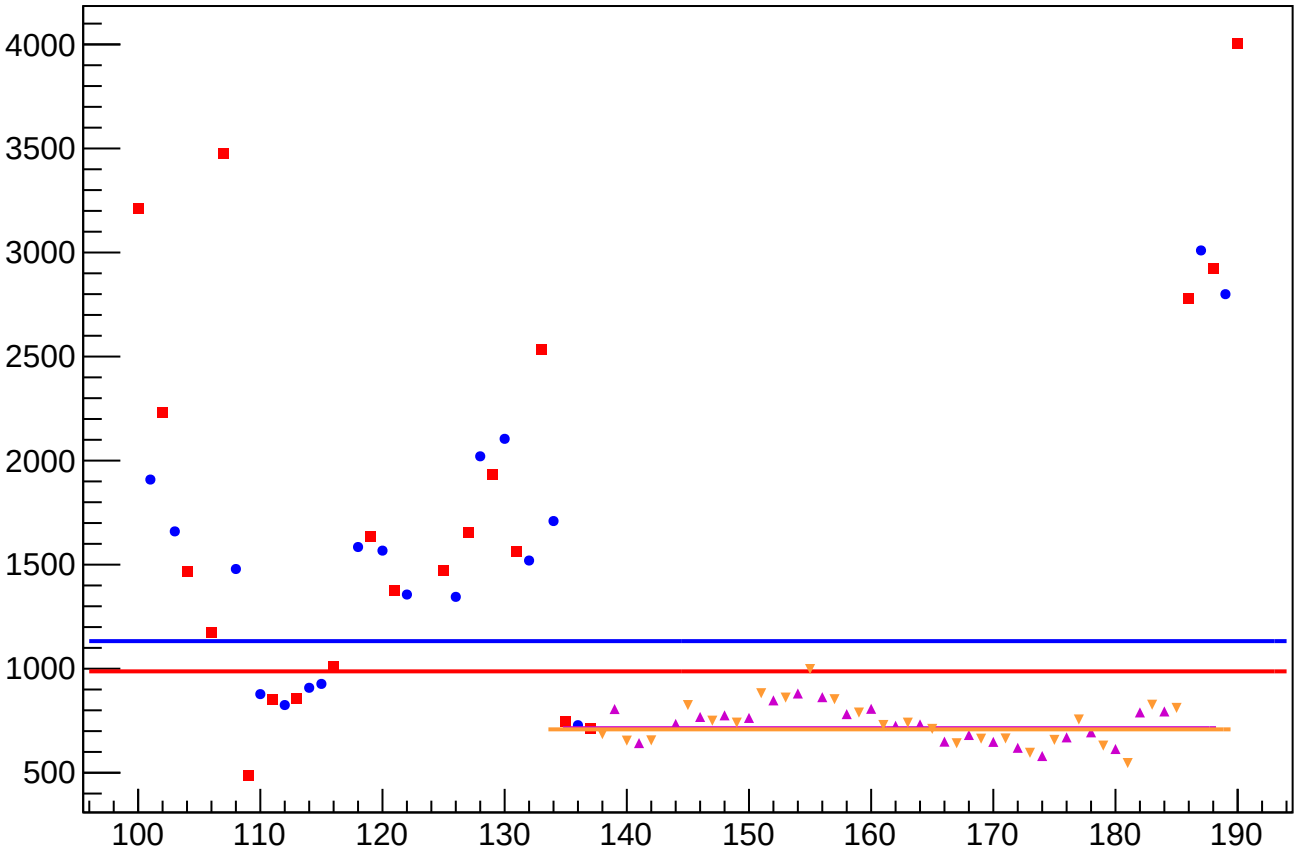
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 235.905+/-290.507 χ^2/NDF: 42.1/38

In: 118.594+/-157.136 χ^2/NDF:46.7/40

Out: -397.840+/-152.961 χ^2/NDF:92.1/44

All: -146.575+/-109.606 χ^2/NDF: 144.3/85



Right In: 1132.503+/-0.310 χ^2/NDF: 2403409.5/17

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 987.201+/-0.274 χ^2/NDF: 4650879.3/20

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

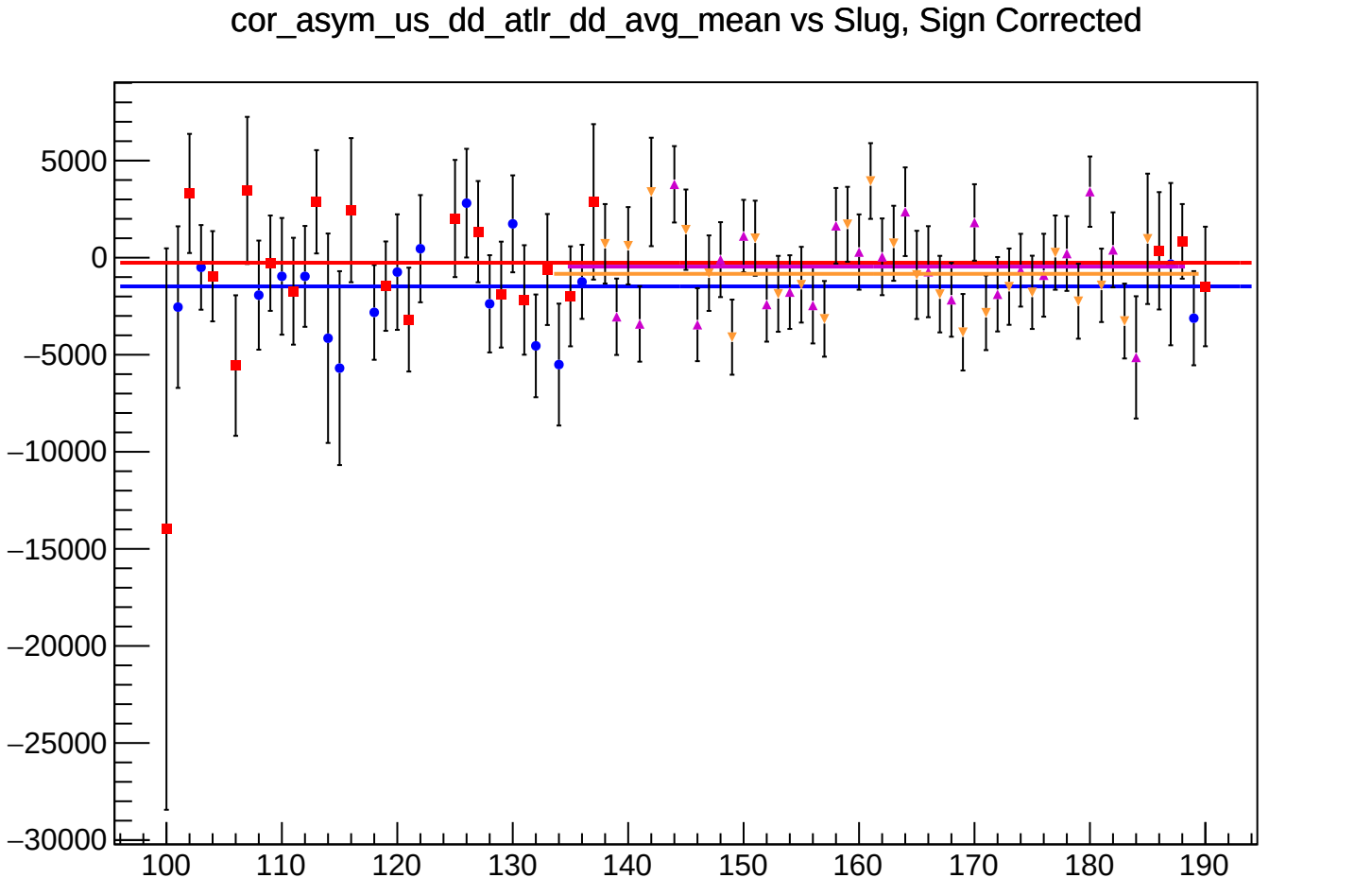
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1051.002+/-0.205 χ^2/NDF: 7177517.1/38

In: 767.905+/-0.111 χ^2/NDF:4487810.9/40

Out: 751.841+/-0.108 χ^2/NDF:6223270.0/44

All: 759.657+/-0.078 χ^2/NDF: 10721813.7/85



Right In: -1479.410+/-654.602 χ^2/NDF: 9.8/17

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -261.768+/-617.757 χ^2/NDF: 12.5/20

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

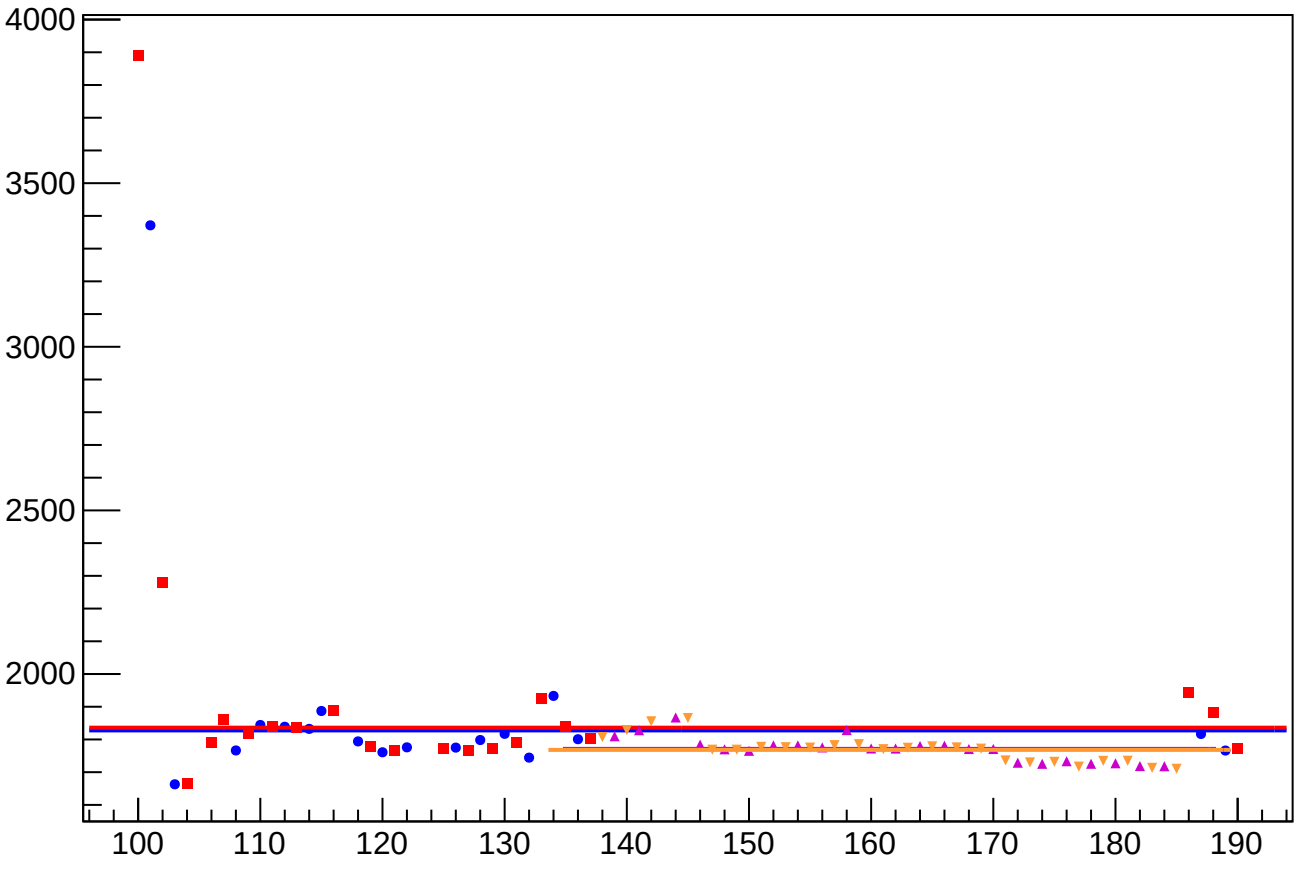
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -835.358+/-449.282 χ^2/NDF: 24.2/38

In: -750.570+/-349.677 χ^2/NDF:38.8/40

Out: -657.695+/-341.868 χ^2/NDF:38.5/44

All: -703.084+/-244.451 χ^2/NDF: 77.4/85



Right In: 1827.680+/-0.463 χ^2/NDF: 296860.2/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

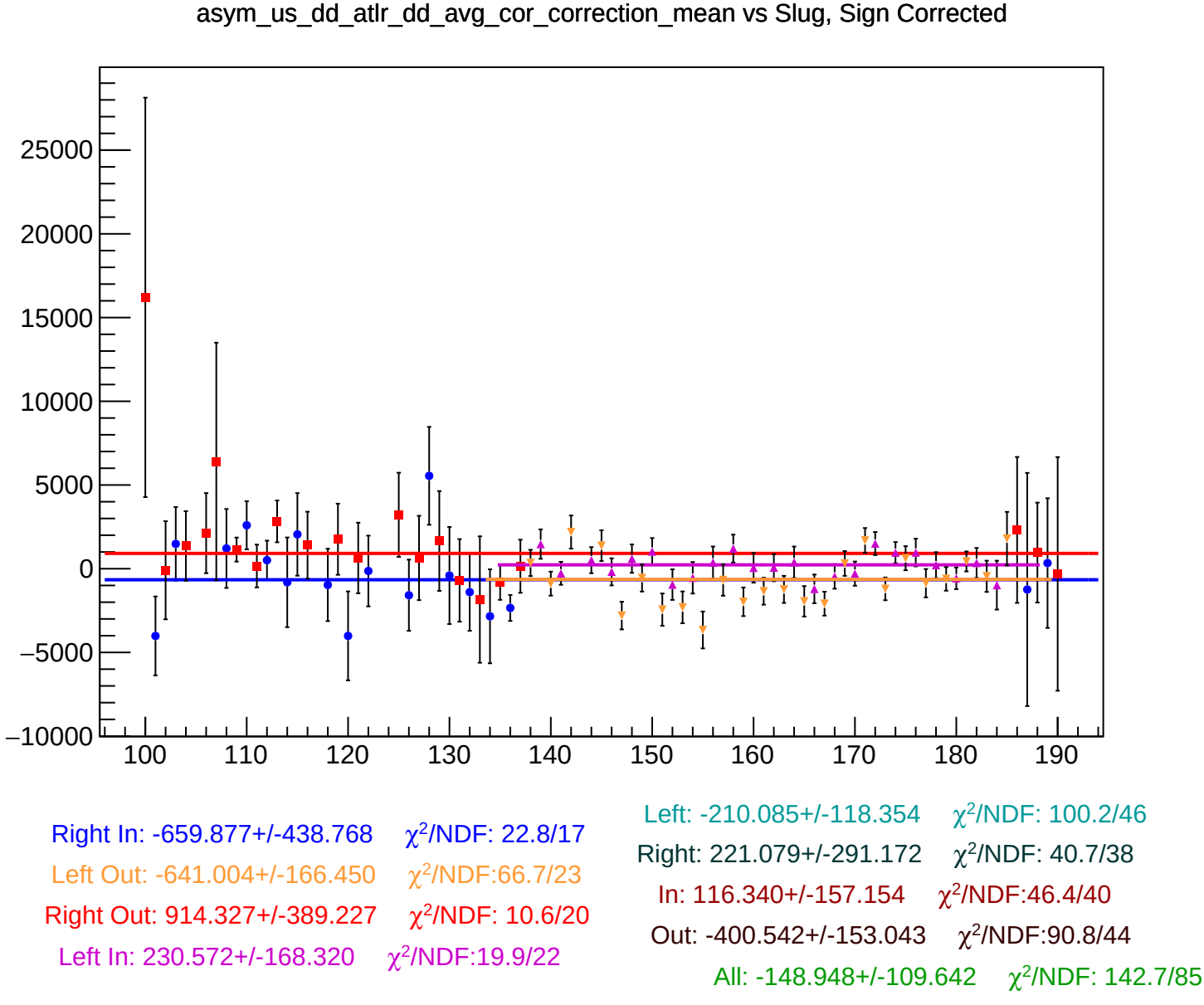
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1832.093+/-0.318 χ^2/NDF: 404150.0/38

In: 1787.329+/-0.247 χ^2/NDF:323919.8/40

Out: 1788.919+/-0.242 χ^2/NDF:140237.0/44

All: 1788.142+/-0.173 χ^2/NDF: 464178.0/85


asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
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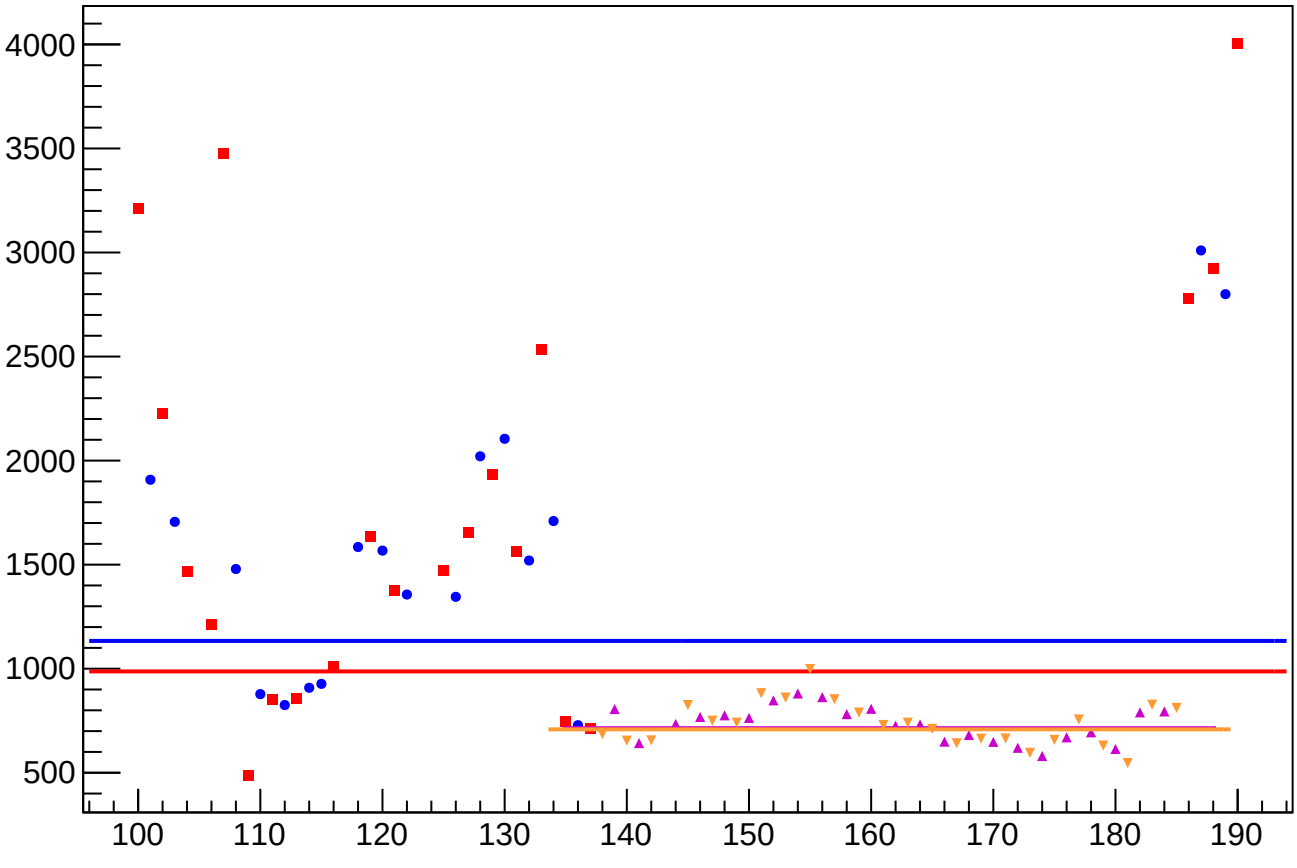
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -659.877+/-438.768 χ²/NDF: 22.8/17
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 914.327+/-389.227 χ²/NDF: 10.6/20
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 221.079+/-291.172 χ²/NDF: 40.7/38
In: 116.340+/-157.154 χ²/NDF:46.4/40
Out: -400.542+/-153.043 χ²/NDF:90.8/44
All: -148.948+/-109.642 χ²/NDF: 142.7/85



Right In: 1133.456+/-0.310 χ^2/NDF: 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

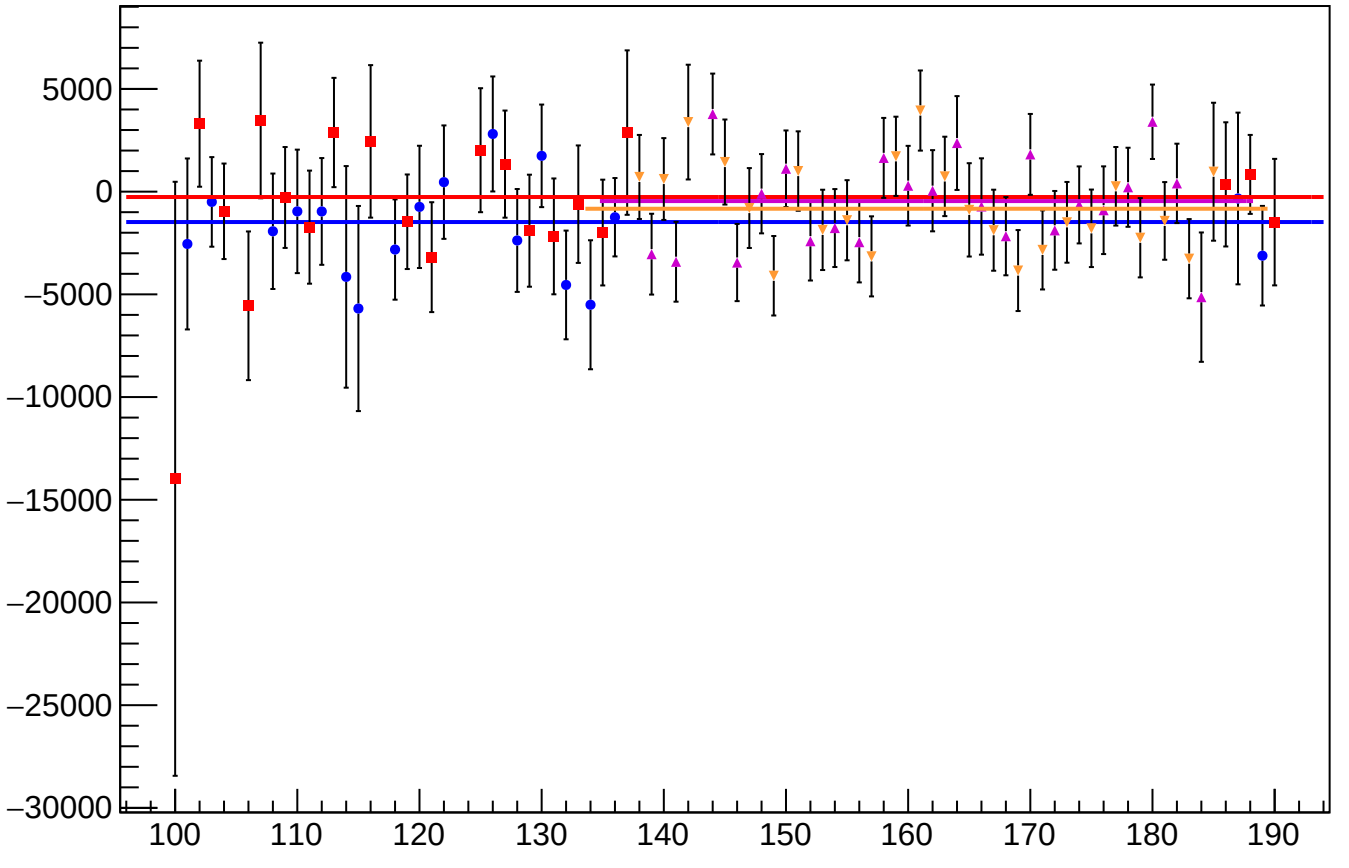
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1051.436+/-0.206 χ^2/NDF: 7195984.5/38

In: 767.956+/-0.111 χ^2/NDF:4508454.3/40

Out: 751.548+/-0.108 χ^2/NDF:6217316.6/44

All: 759.535+/-0.078 χ^2/NDF: 10736961.4/85



Right In: -1479.410+/-654.602 χ^2/NDF: 9.8/17

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -261.768+/-617.757 χ^2/NDF: 12.5/20

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

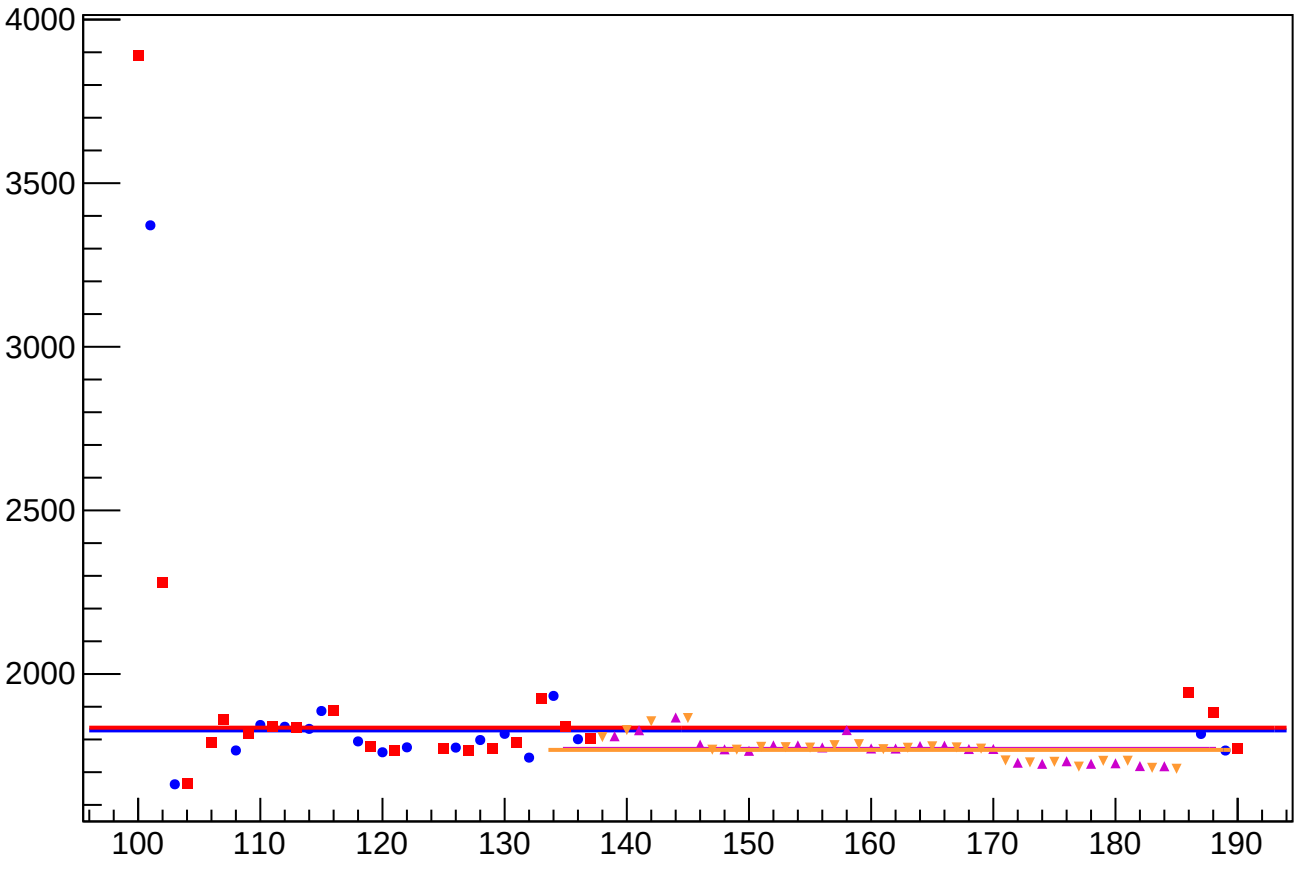
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -835.358+/-449.282 χ^2/NDF: 24.2/38

In: -750.570+/-349.677 χ^2/NDF:38.8/40

Out: -657.695+/-341.868 χ^2/NDF:38.5/44

All: -703.084+/-244.451 χ^2/NDF: 77.4/85



Right In: 1827.680+/-0.463 χ^2/NDF: 296860.2/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

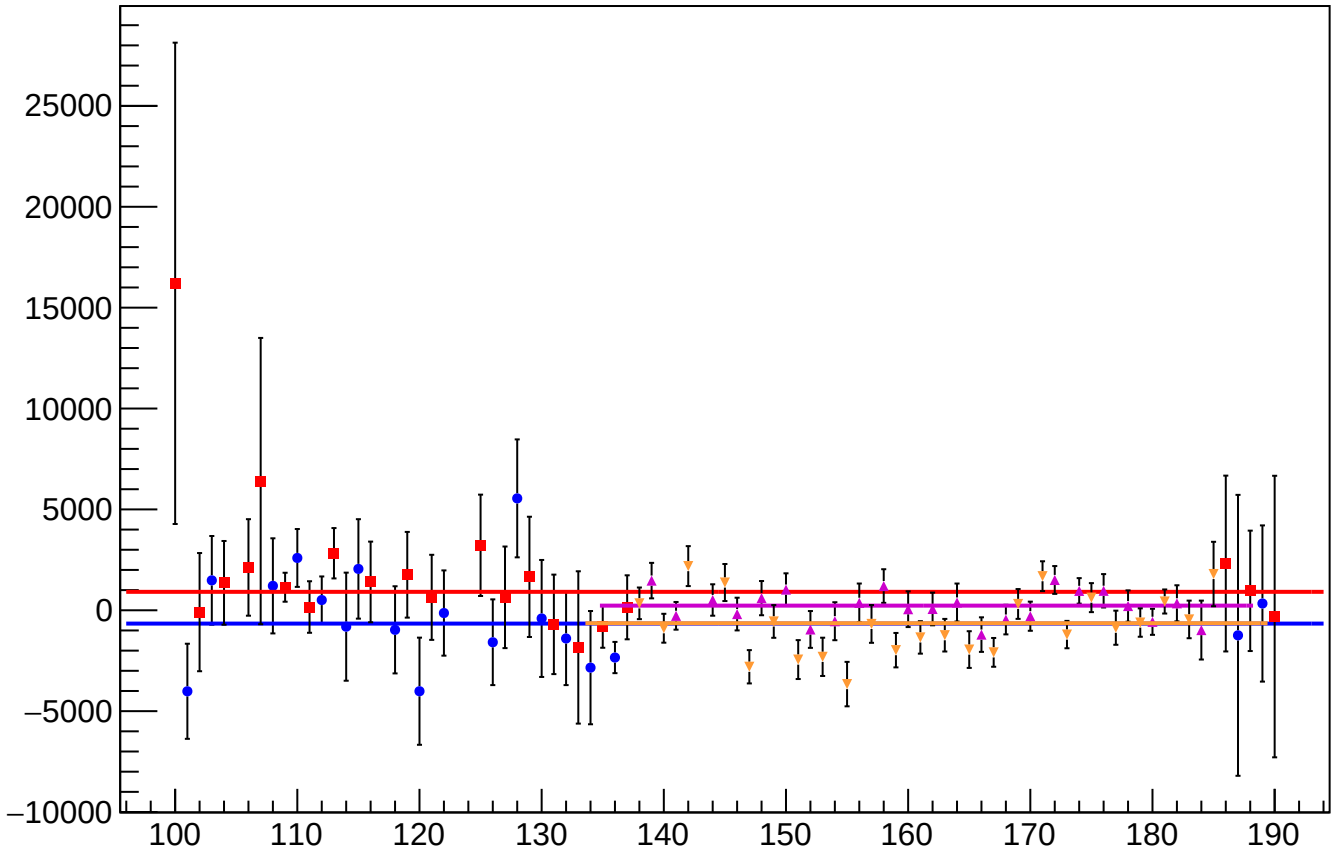
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1832.093+/-0.318 χ^2/NDF: 404150.0/38

In: 1787.329+/-0.247 χ^2/NDF:323919.8/40

Out: 1788.919+/-0.242 χ^2/NDF:140237.0/44

All: 1788.142+/-0.173 χ^2/NDF: 464178.0/85



Right In: -659.877+/-438.768 χ^2/NDF: 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 914.327+/-389.227 χ^2/NDF: 10.6/20

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

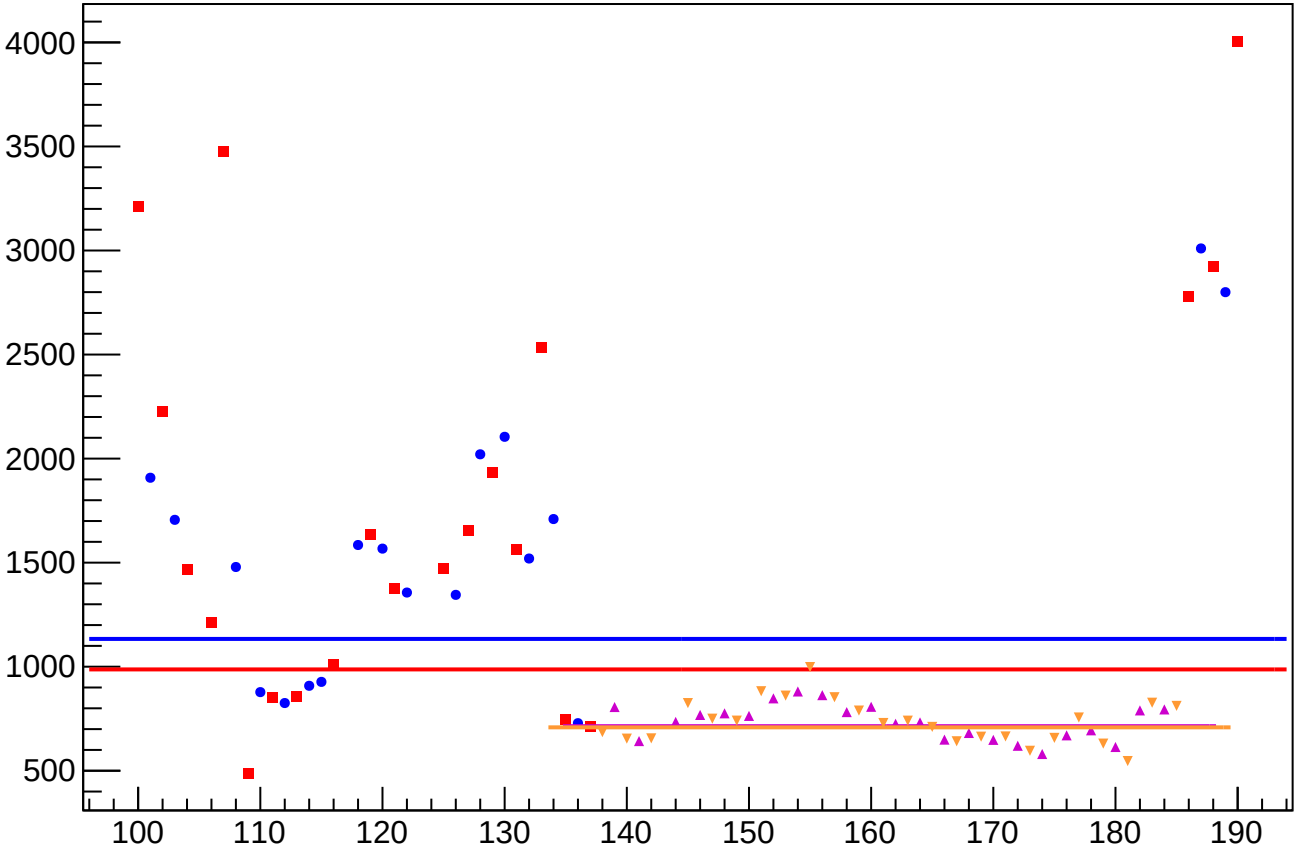
Right: 221.079+/-291.172 χ^2/NDF: 40.7/38

In: 116.340+/-157.154 χ^2/NDF:46.4/40

Out: -400.542+/-153.043 χ^2/NDF:90.8/44

All: -148.948+/-109.642 χ^2/NDF: 142.7/85

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1133.456+/-0.310 χ^2/NDF: 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

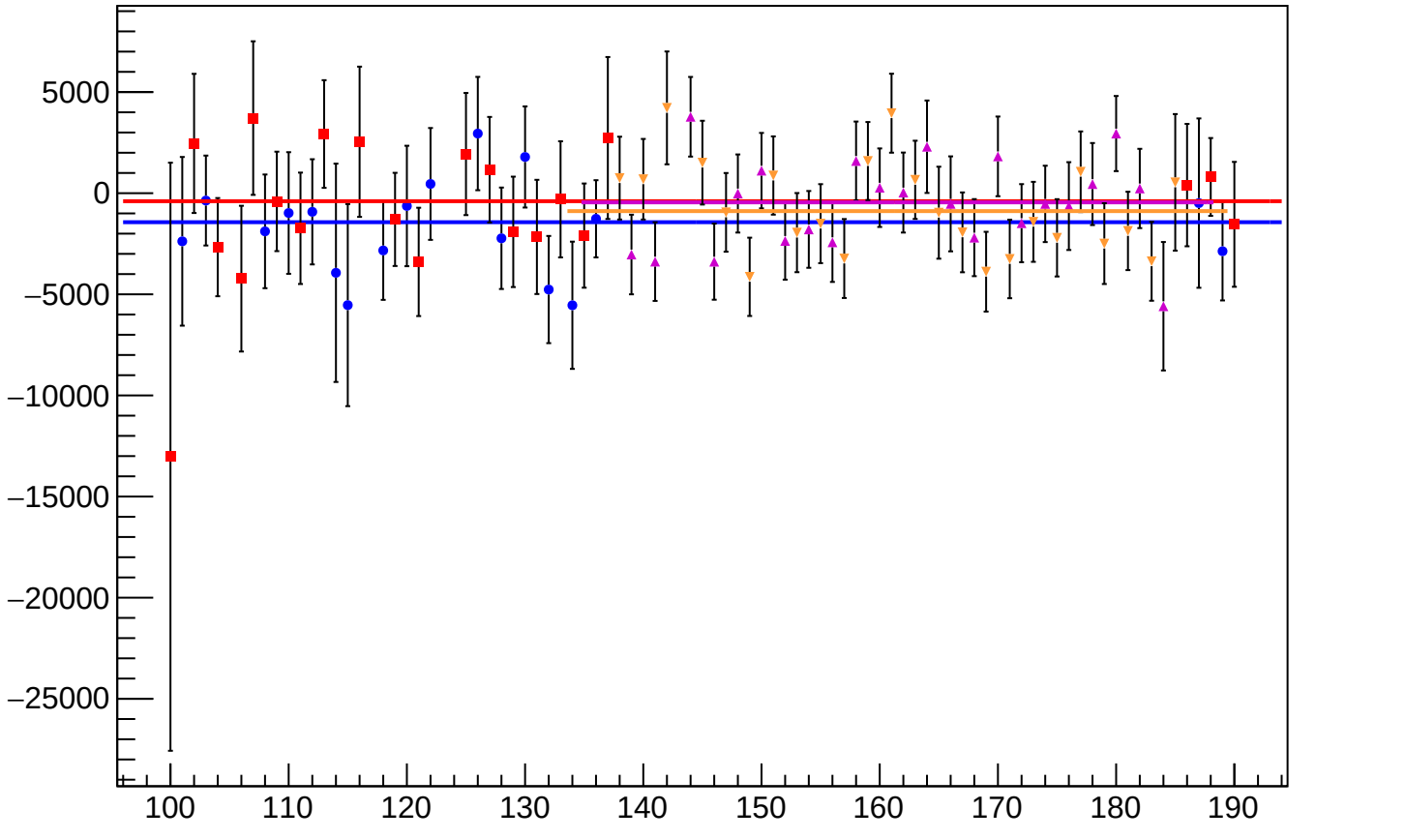
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1051.436+/-0.206 χ^2/NDF: 7195984.5/38

In: 767.956+/-0.111 χ^2/NDF:4508454.3/40

Out: 751.548+/-0.108 χ^2/NDF:6217316.6/44

All: 759.535+/-0.078 χ^2/NDF: 10736961.4/85



Right In: -1434.036+/-656.440 χ^2/NDF: 10.0/17

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -395.485+/-622.738 χ^2/NDF: 11.7/20

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

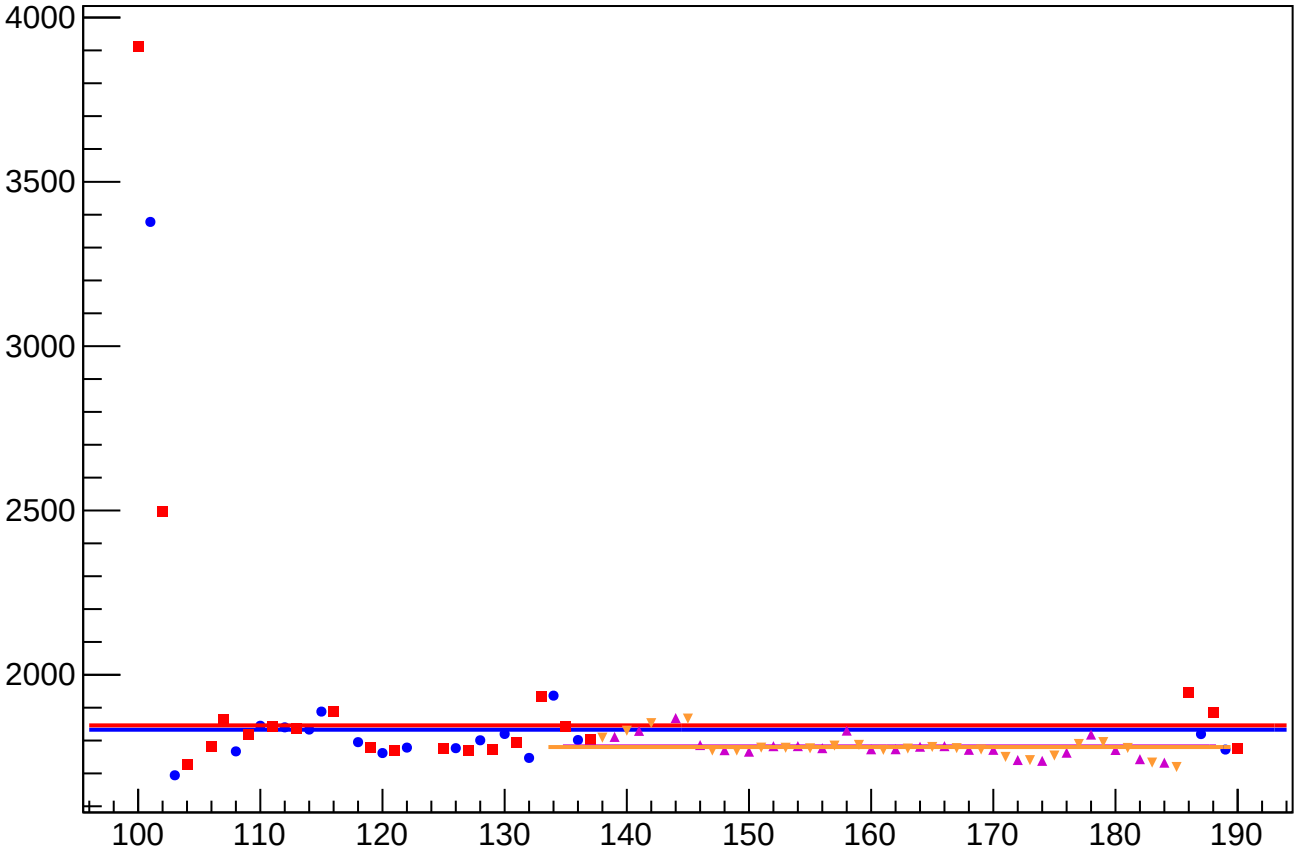
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -887.417+/-451.787 χ^2/NDF: 23.1/38

In: -734.459+/-351.504 χ^2/NDF:37.4/40

Out: -736.291+/-344.318 χ^2/NDF:40.3/44

All: -735.394+/-245.971 χ^2/NDF: 77.7/85



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

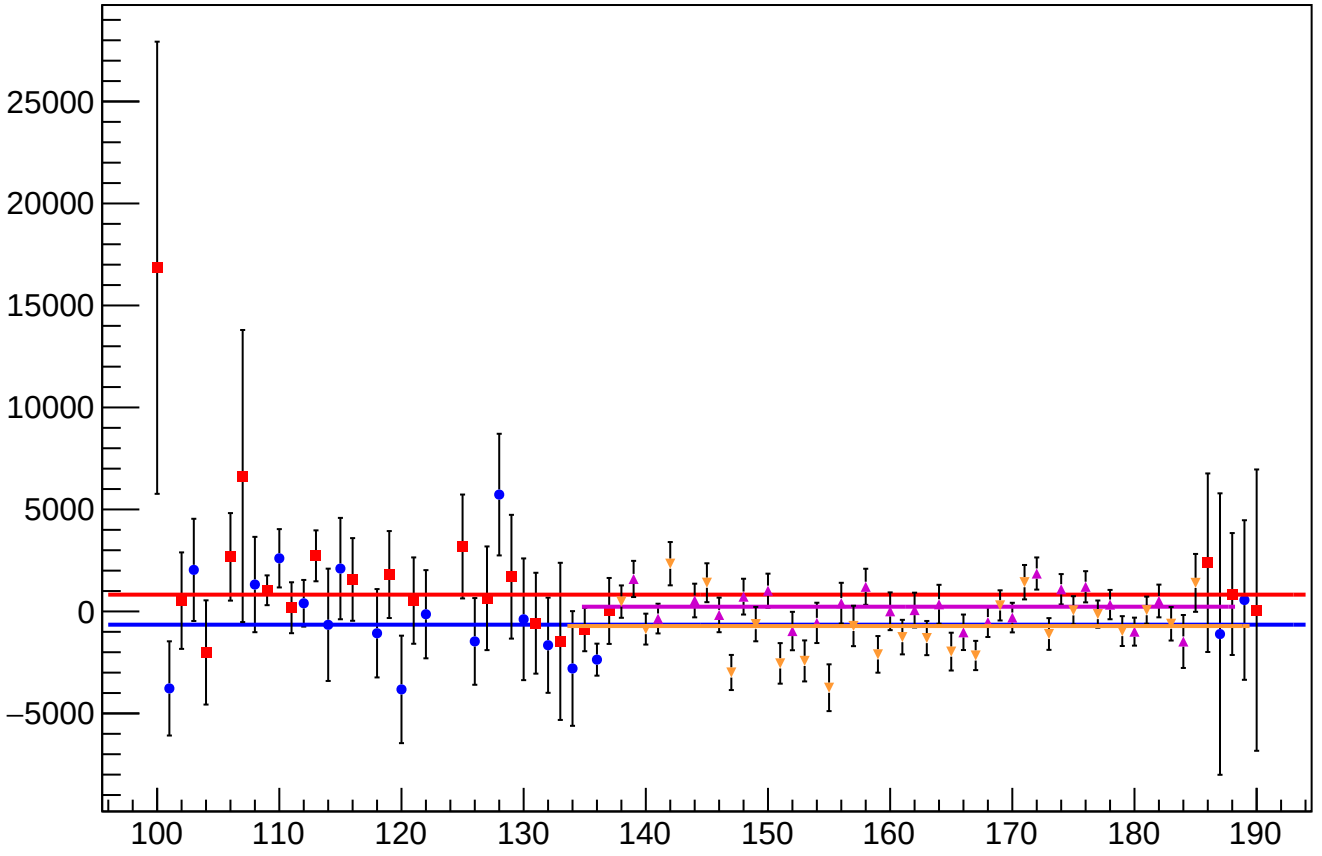
Right: 1839.901+/-0.319 χ^2/NDF: 426184.0/38

In: 1796.816+/-0.249 χ^2/NDF:313068.9/40

Out: 1800.384+/-0.243 χ^2/NDF:158361.4/44

All: 1798.636+/-0.174 χ^2/NDF: 471535.5/85

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -649.696+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 823.105+/-391.509 χ^2/NDF: 12.4/20

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

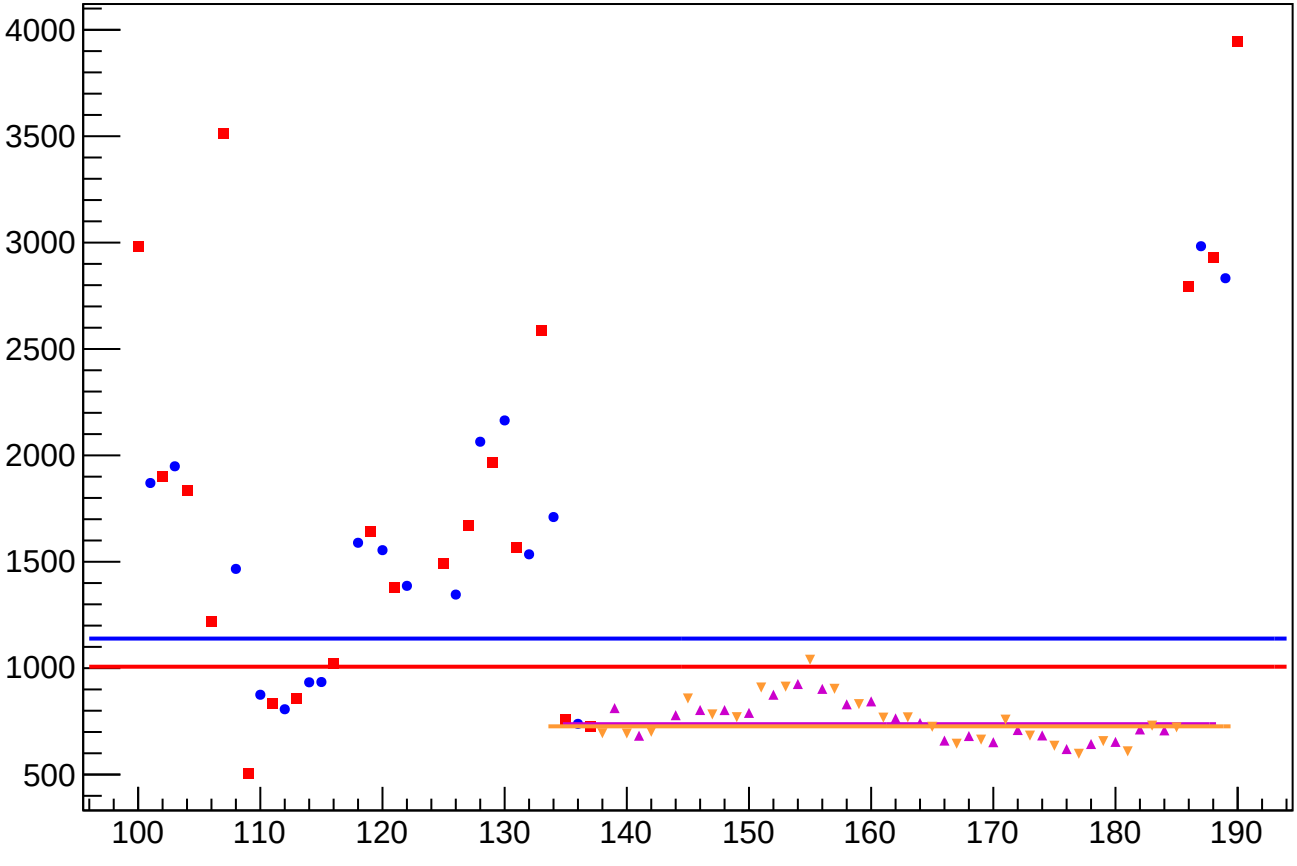
Right: 175.798+/-293.107 χ^2/NDF: 41.5/38

In: 113.827+/-161.457 χ^2/NDF:50.4/40

Out: -470.891+/-156.399 χ^2/NDF:84.7/44

All: -187.835+/-112.336 χ^2/NDF: 141.9/85

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.070+/-0.313 χ^2/NDF: 2499985.5/17

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1006.823+/-0.277 χ^2/NDF: 4619234.7/20

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

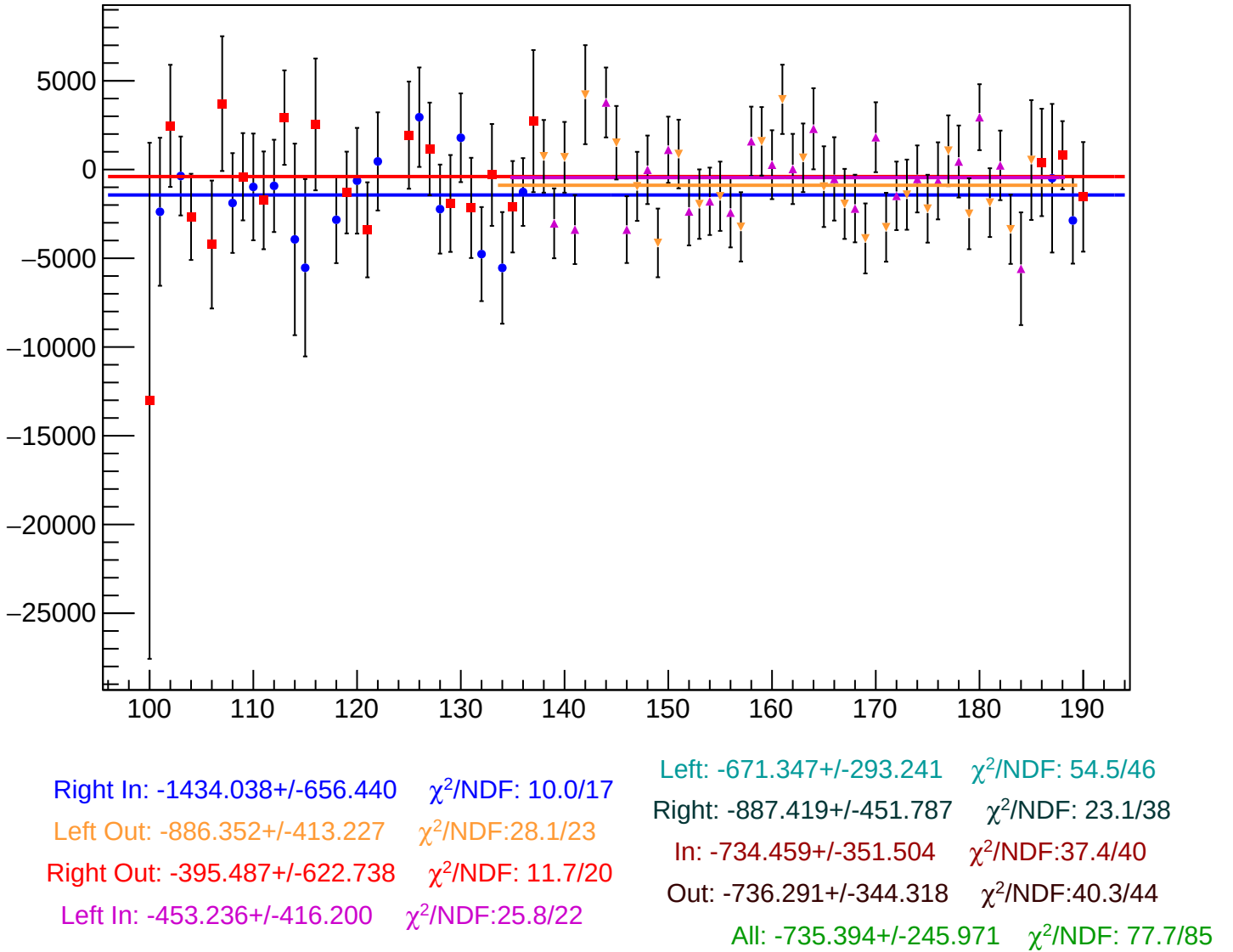
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

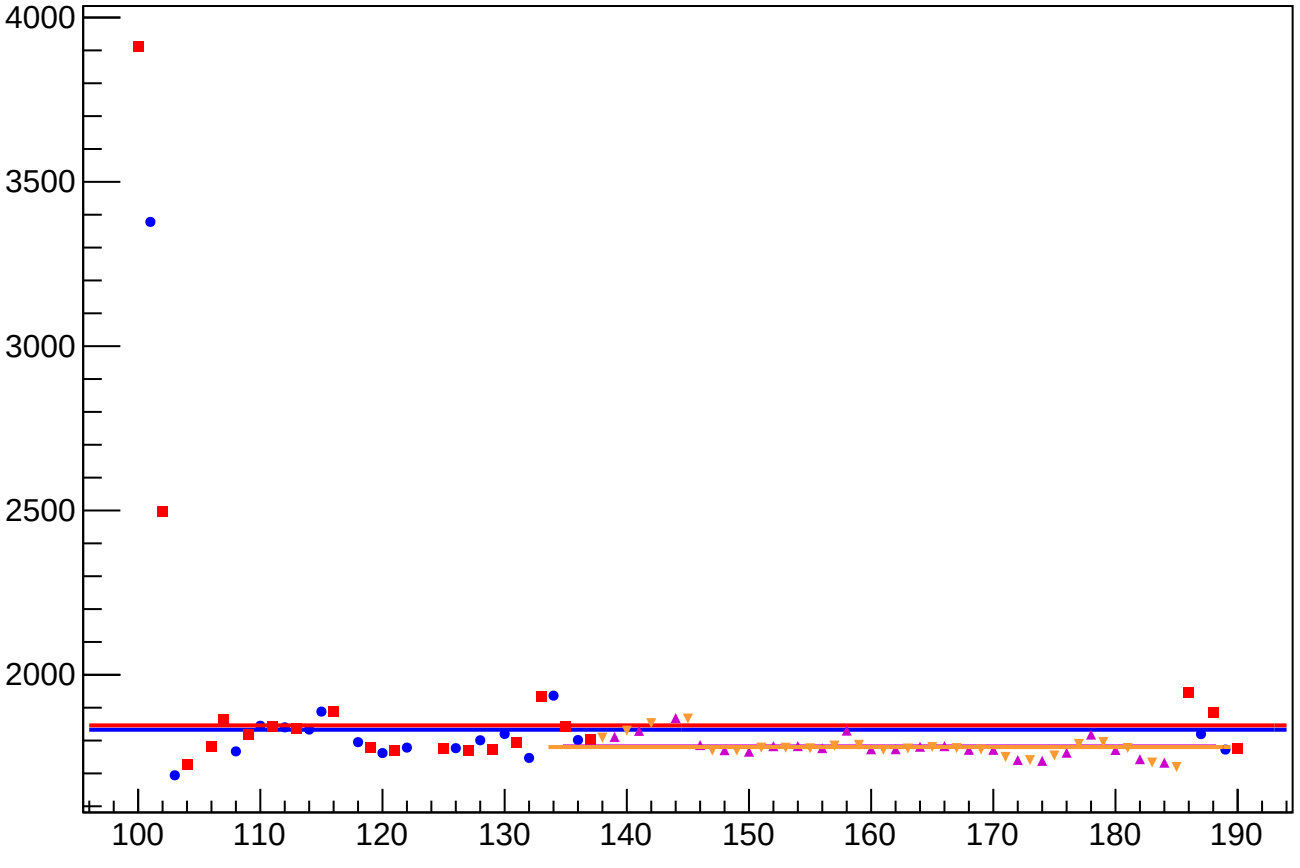
Right: 1064.947+/-0.207 χ^2/NDF: 7219516.0/38

In: 790.368+/-0.114 χ^2/NDF:4400556.5/40

Out: 771.322+/-0.111 χ^2/NDF:6165085.5/44

All: 780.542+/-0.079 χ^2/NDF: 10580000.5/85


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -1434.038+/-656.440 χ²/NDF: 10.0/17
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -395.487+/-622.738 χ²/NDF: 11.7/20
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -887.419+/-451.787 χ²/NDF: 23.1/38
In: -734.459+/-351.504 χ²/NDF:37.4/40
Out: -736.291+/-344.318 χ²/NDF:40.3/44
All: -735.394+/-245.971 χ²/NDF: 77.7/85



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

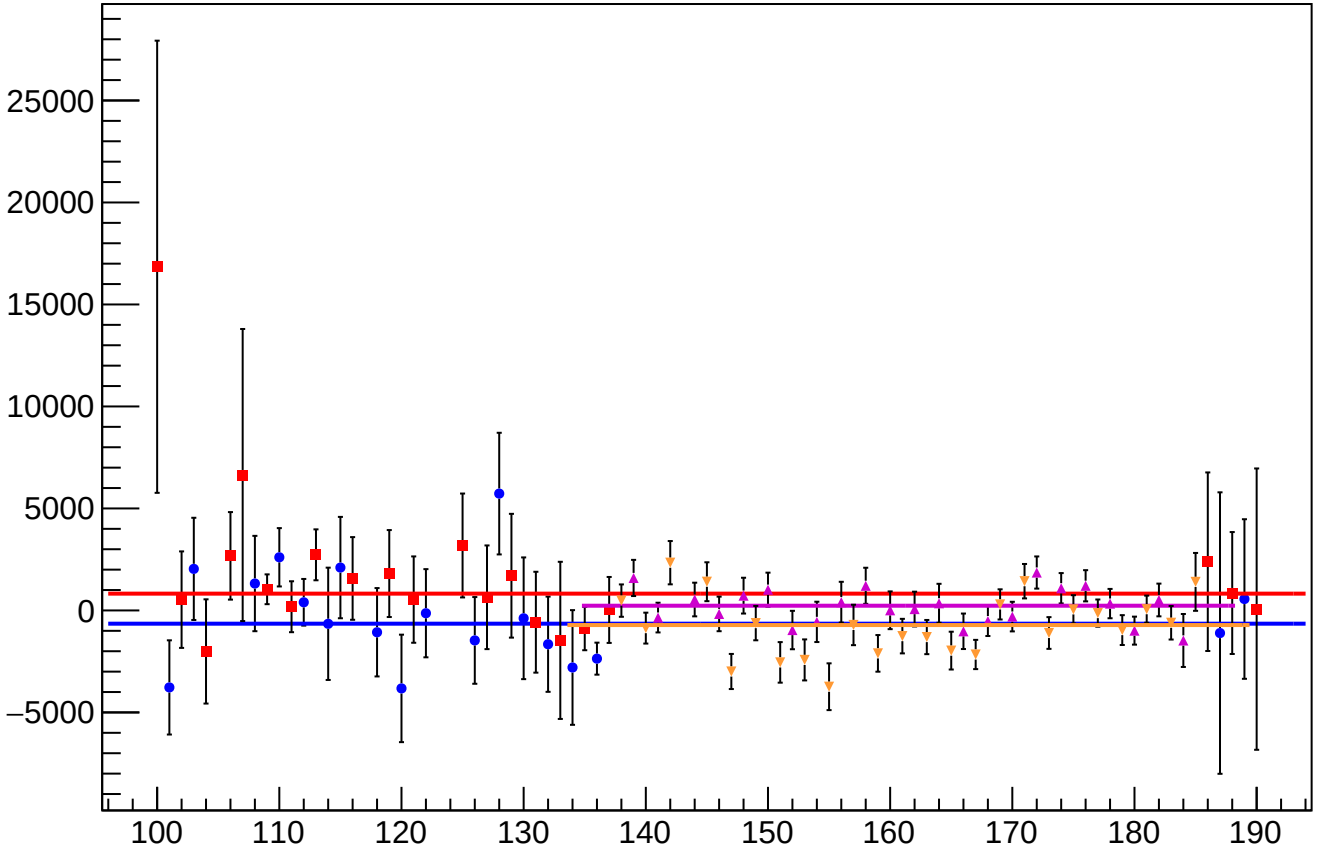
Right: 1839.901+/-0.319 χ^2/NDF: 426184.1/38

In: 1796.815+/-0.249 χ^2/NDF:313068.9/40

Out: 1800.383+/-0.243 χ^2/NDF:158361.6/44

All: 1798.636+/-0.174 χ^2/NDF: 471535.7/85

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -649.683+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 823.111+/-391.509 χ^2/NDF: 12.4/20

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

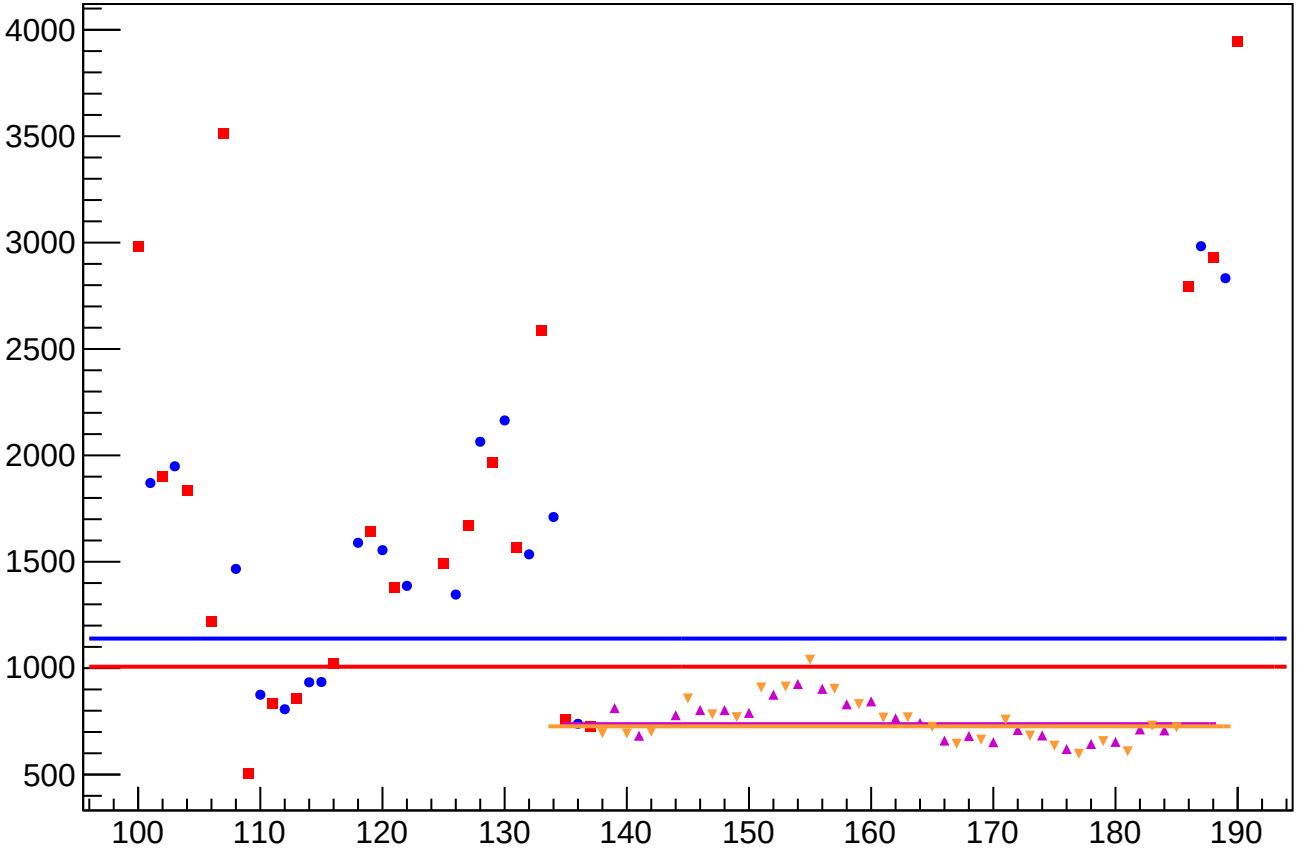
Right: 175.807+/-293.108 χ^2/NDF: 41.5/38

In: 113.828+/-161.457 χ^2/NDF:50.4/40

Out: -470.892+/-156.399 χ^2/NDF:84.7/44

All: -187.835+/-112.336 χ^2/NDF: 141.9/85

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.073+/-0.313 χ^2/NDF: 2499944.9/17

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1006.826+/-0.277 χ^2/NDF: 4619205.1/20

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

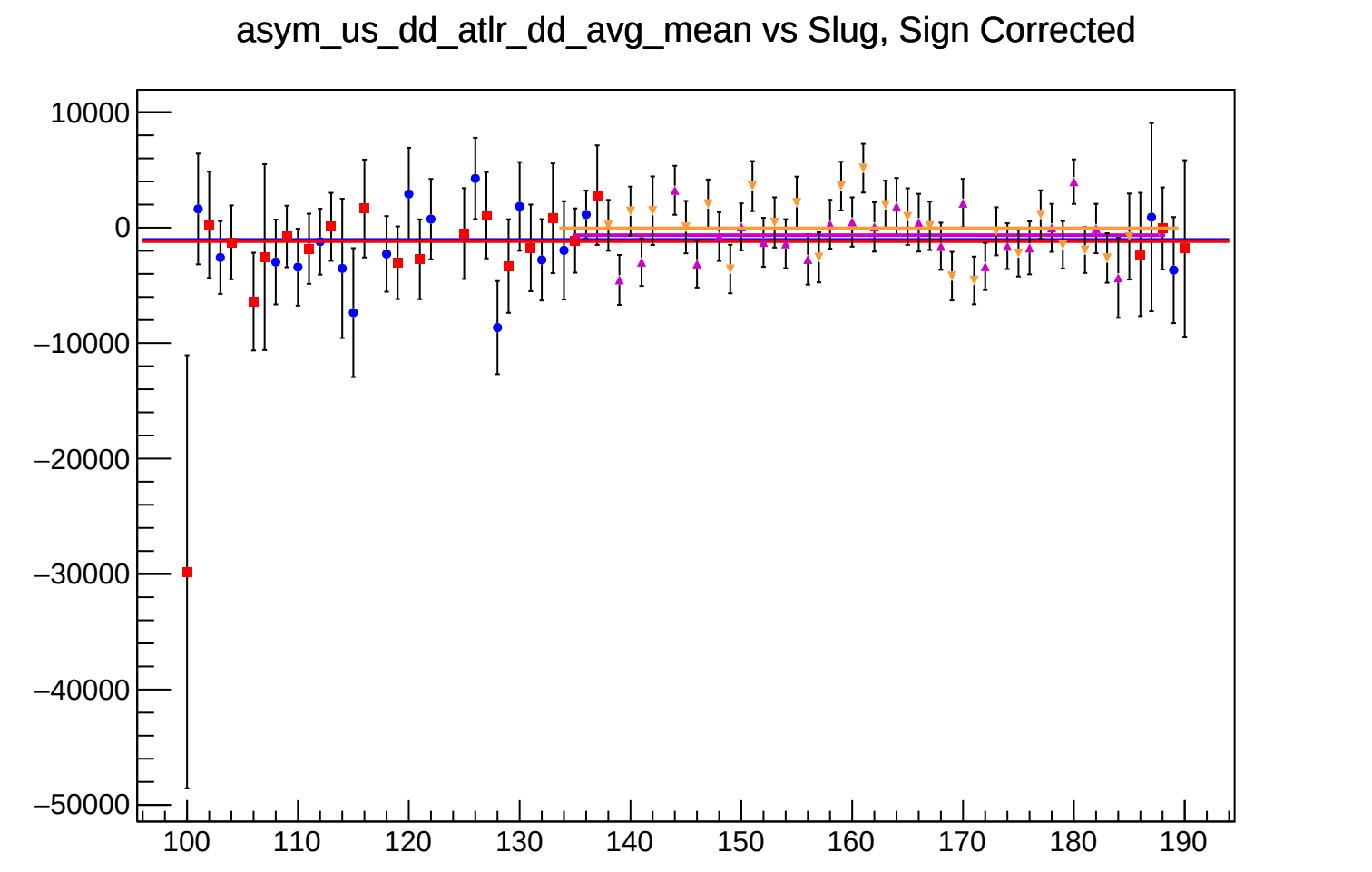
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1064.949+/-0.207 χ^2/NDF: 7219446.4/38

In: 790.368+/-0.114 χ^2/NDF:4400550.1/40

Out: 771.323+/-0.111 χ^2/NDF:6165063.7/44

All: 780.542+/-0.079 χ^2/NDF: 10579971.3/85



Right In: -1059.597+/-853.715 χ^2/NDF: 12.4/17

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1165.188+/-830.092 χ^2/NDF: 7.1/20

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

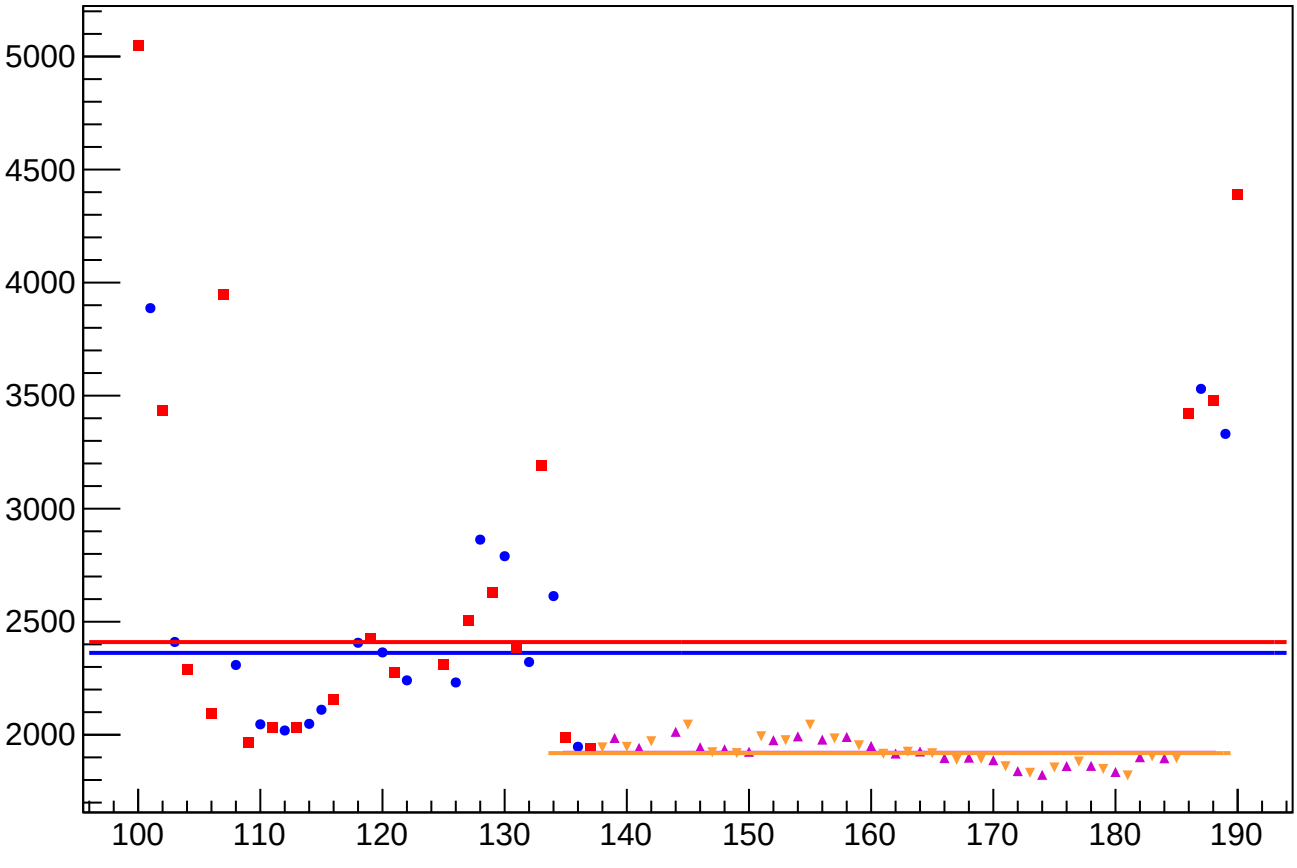
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -1113.873+/-595.140 χ^2/NDF: 19.5/38

In: -736.185+/-397.070 χ^2/NDF:36.2/40

Out: -306.913+/-392.609 χ^2/NDF:41.5/44

All: -519.124+/-279.180 χ^2/NDF: 78.3/85



Right In: 2362.236+/-0.604 χ^2/NDF: 538954.3/17

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2410.012+/-0.587 χ^2/NDF: 876353.3/20

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

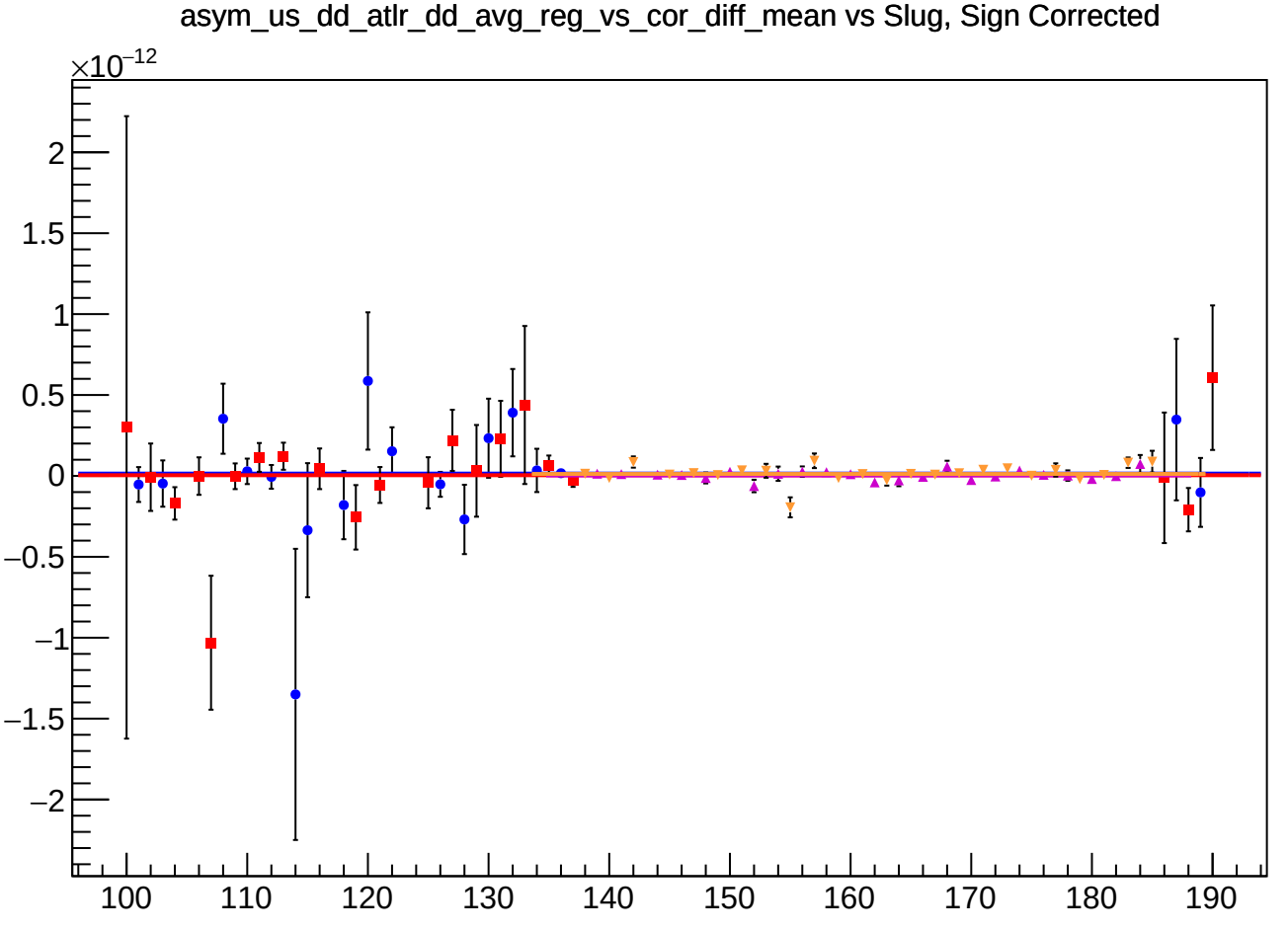
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2386.794+/-0.421 χ^2/NDF: 1418527.3/38

In: 2015.836+/-0.281 χ^2/NDF:989039.8/40

Out: 2028.823+/-0.278 χ^2/NDF:1455228.6/44

All: 2022.402+/-0.197 χ^2/NDF: 2445350.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/20

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

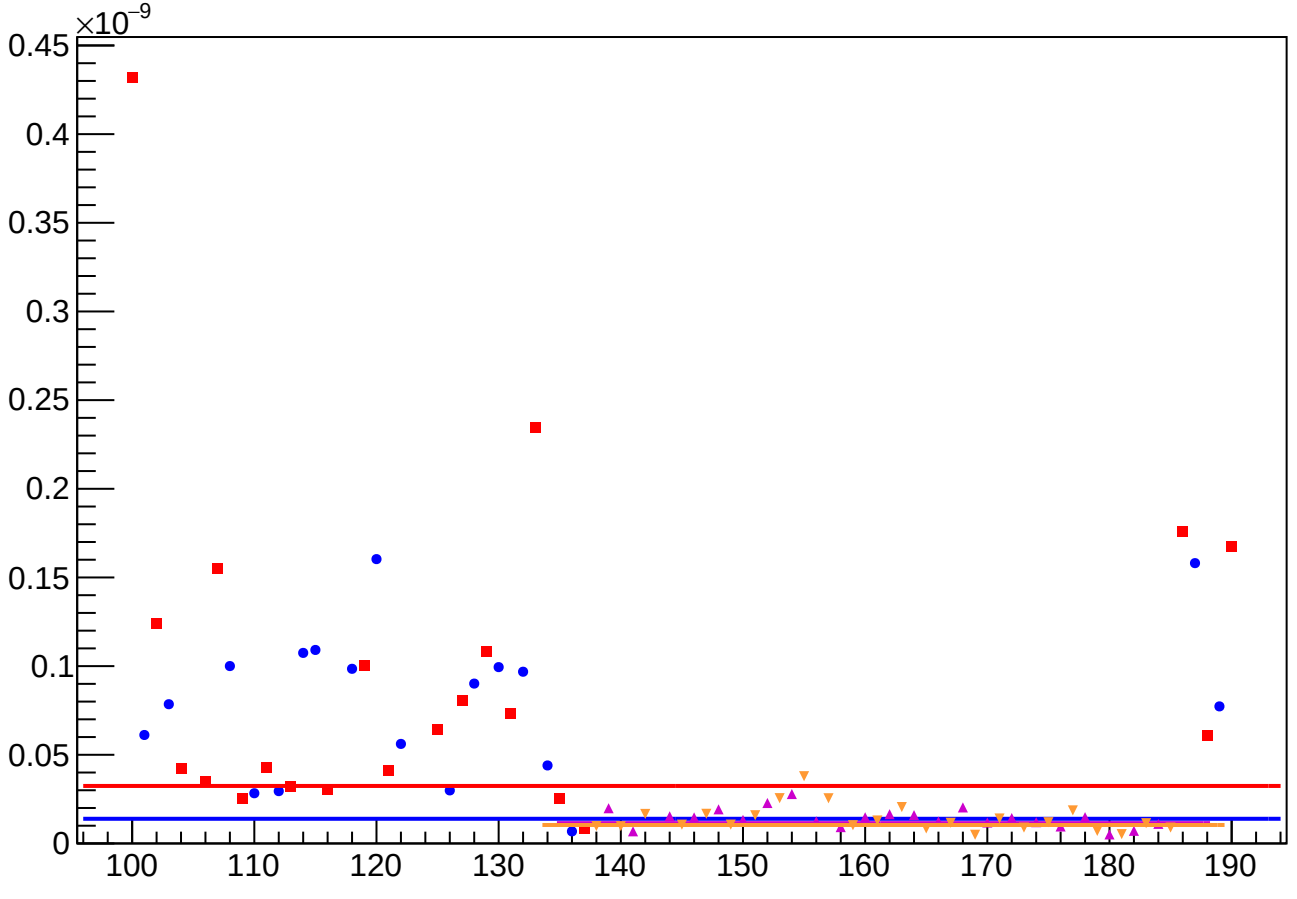
Right: 0.000+/-0.000 χ^2/NDF: 39.8/38

In: 0.000+/-0.000 χ^2/NDF:35.8/40

Out: 0.000+/-0.000 χ^2/NDF:62.1/44

All: 0.000+/-0.000 χ^2/NDF: 99.2/85

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3761847.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2886380.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

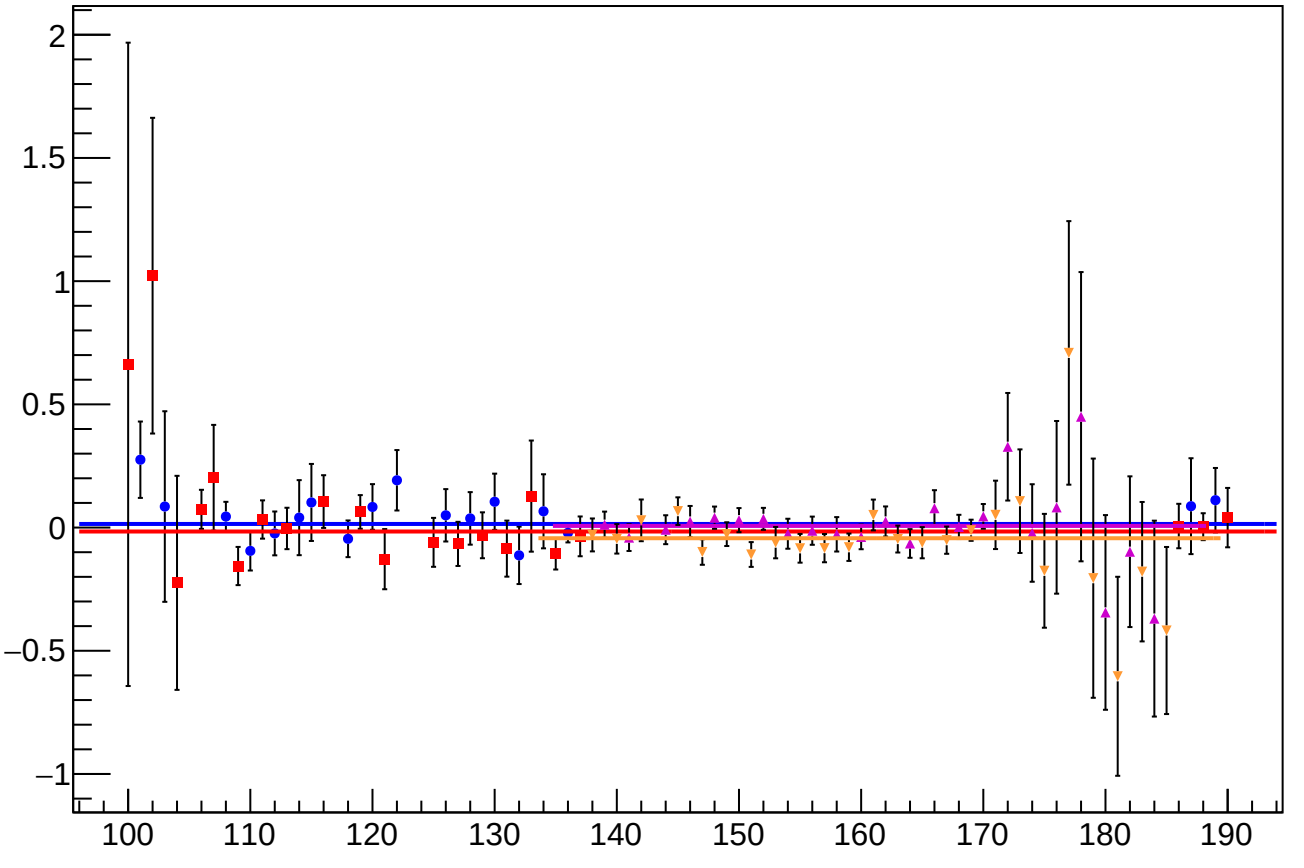
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 7558370.9/38

In: 0.000+/-0.000 χ^2/NDF:5711115.7/40

Out: 0.000+/-0.000 χ^2/NDF:6629477.6/44

All: 0.000+/-0.000 χ^2/NDF: 12351142.2/85



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

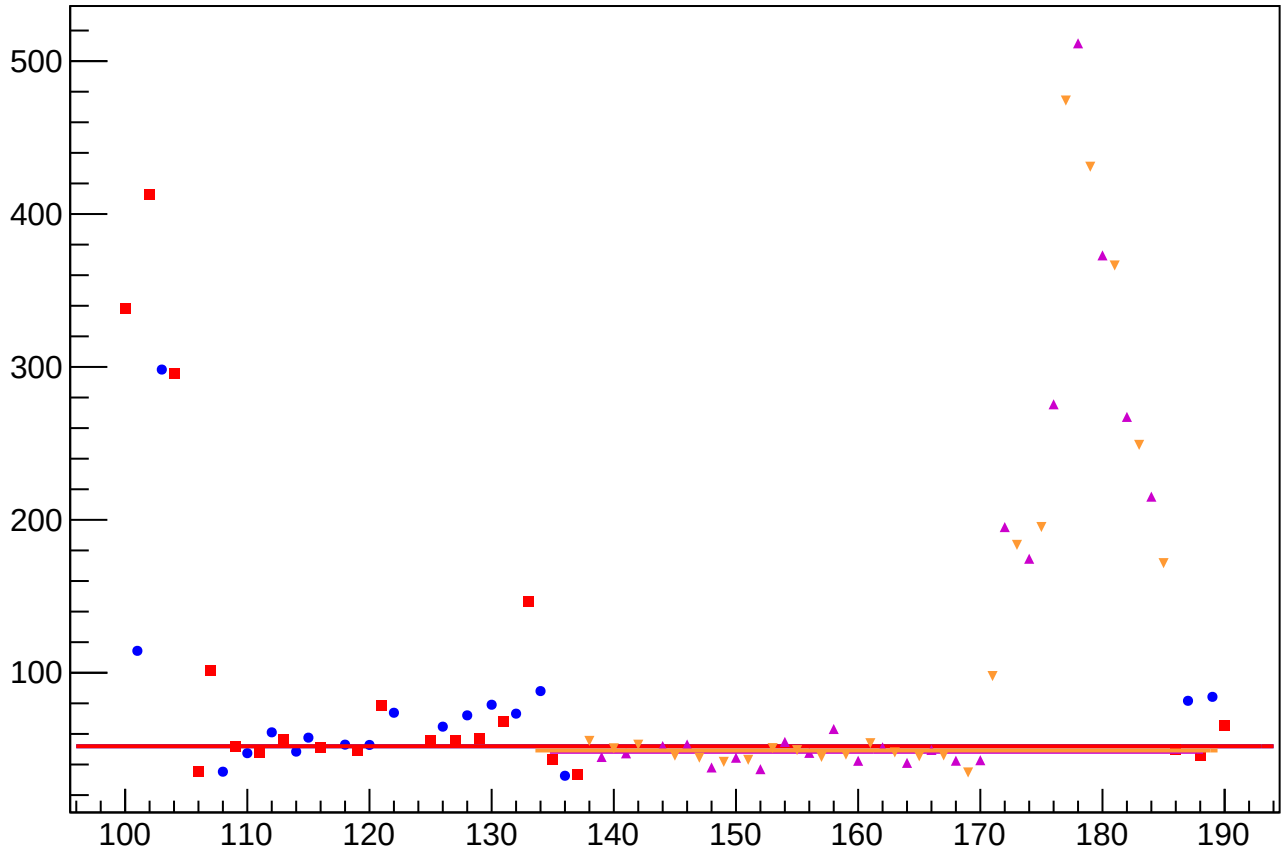
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.001+/-0.015 χ^2/NDF: 30.0/38

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.013+/-0.008 χ^2/NDF: 67.6/85



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

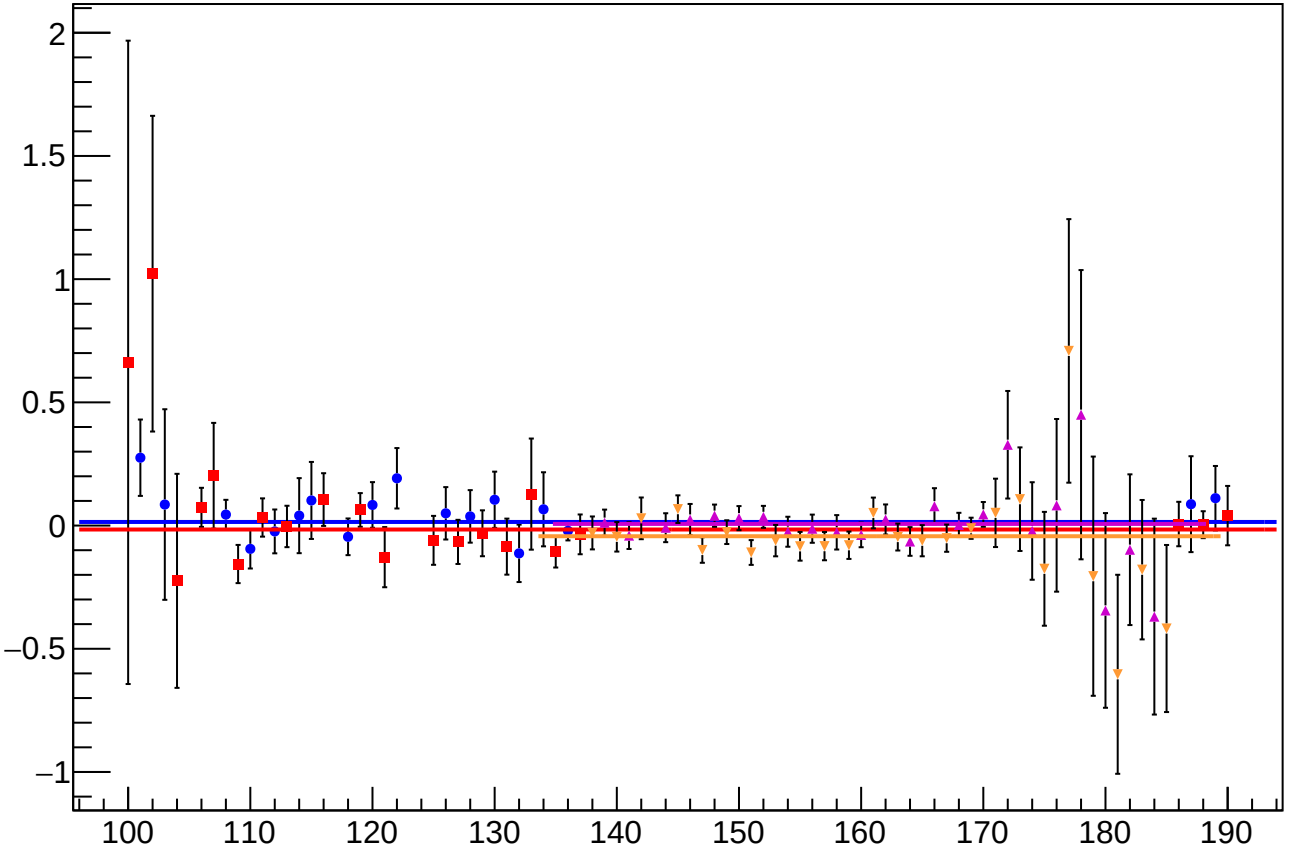
Right: 51.935+/-0.010 χ^2/NDF: 4708674.2/38

In: 49.337+/-0.008 χ^2/NDF:9523836.1/40

Out: 50.055+/-0.008 χ^2/NDF:9541383.6/44

All: 49.694+/-0.006 χ^2/NDF: 19069147.4/85

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

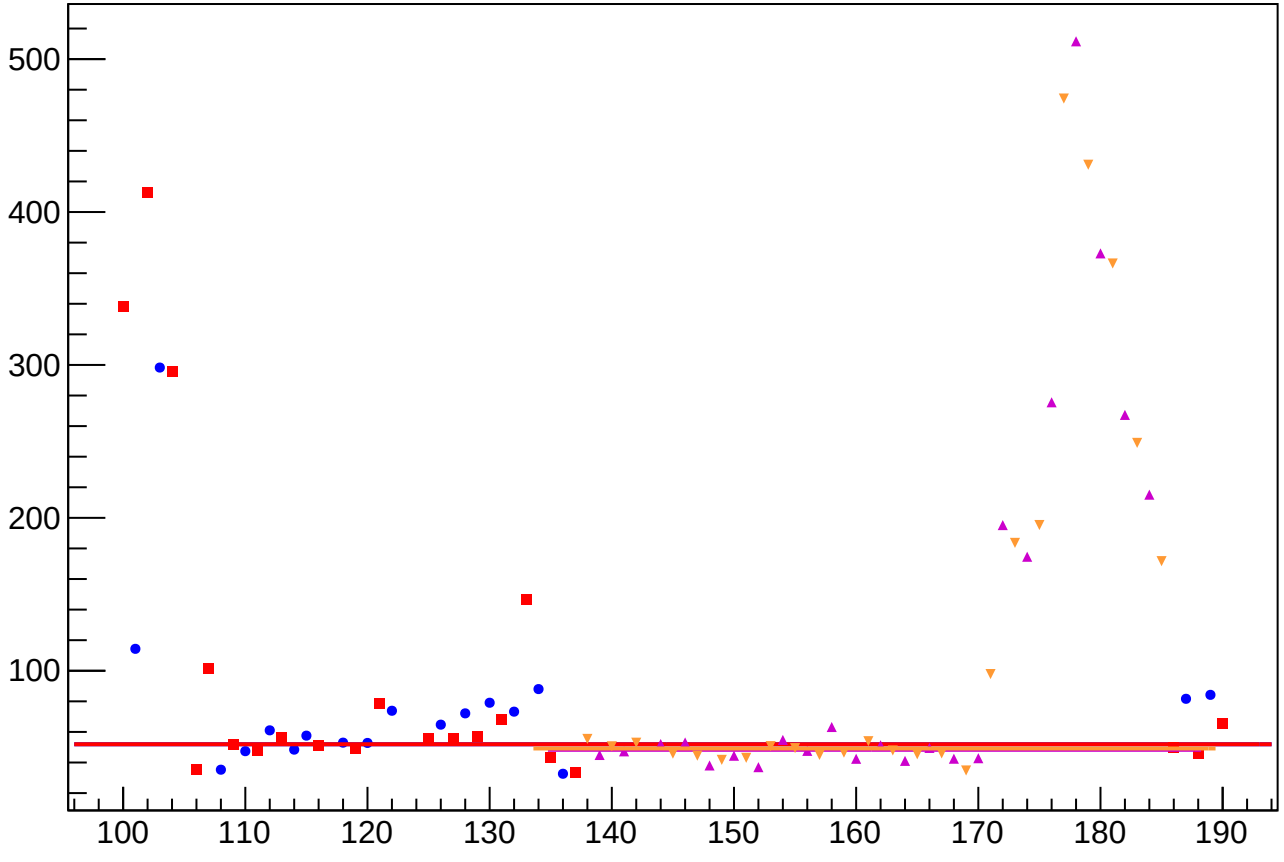
Right: -0.001+/-0.015 χ^2/NDF: 30.0/38

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.013+/-0.008 χ^2/NDF: 67.6/85

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

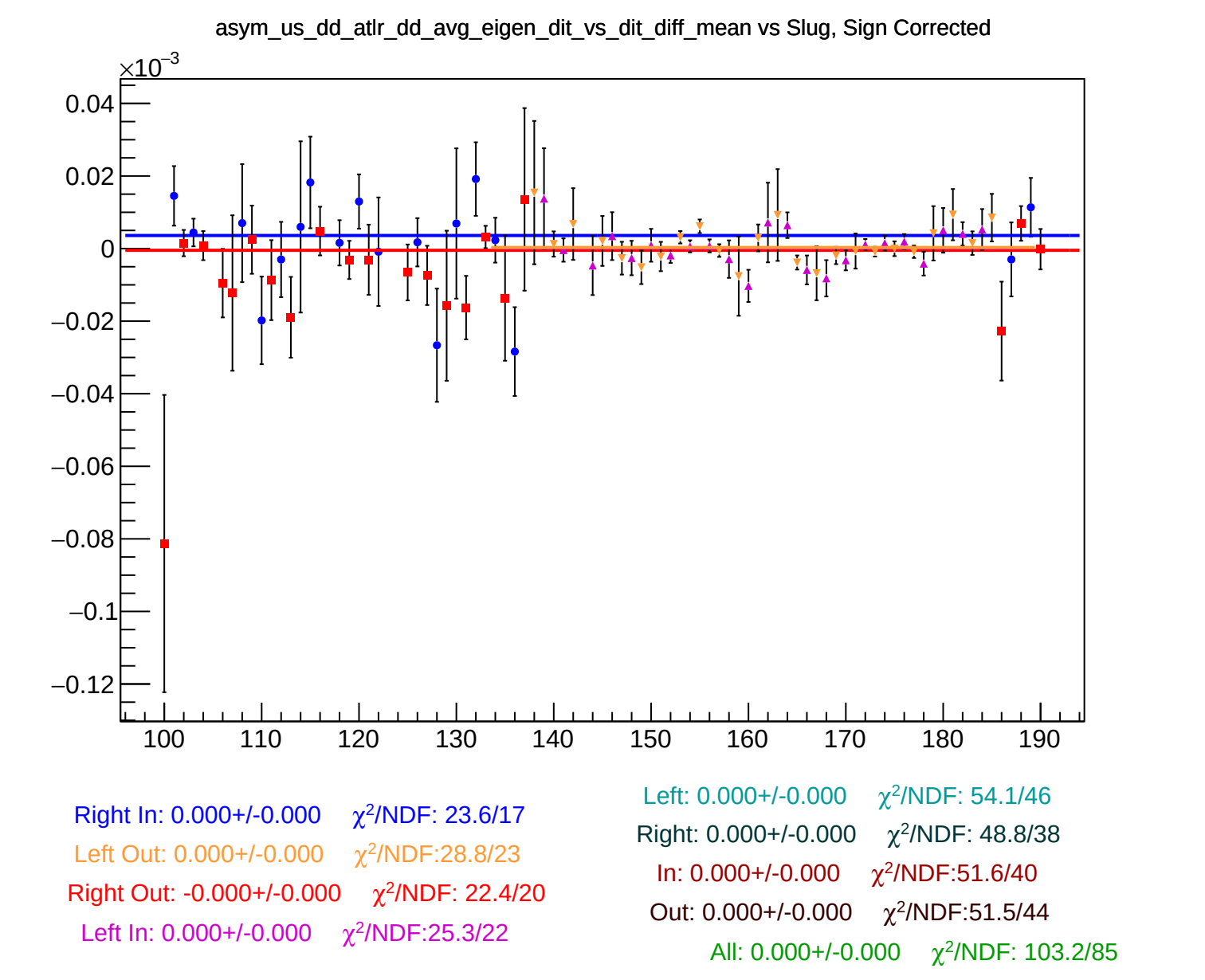
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 51.935+/-0.010 χ^2/NDF: 4708674.2/38

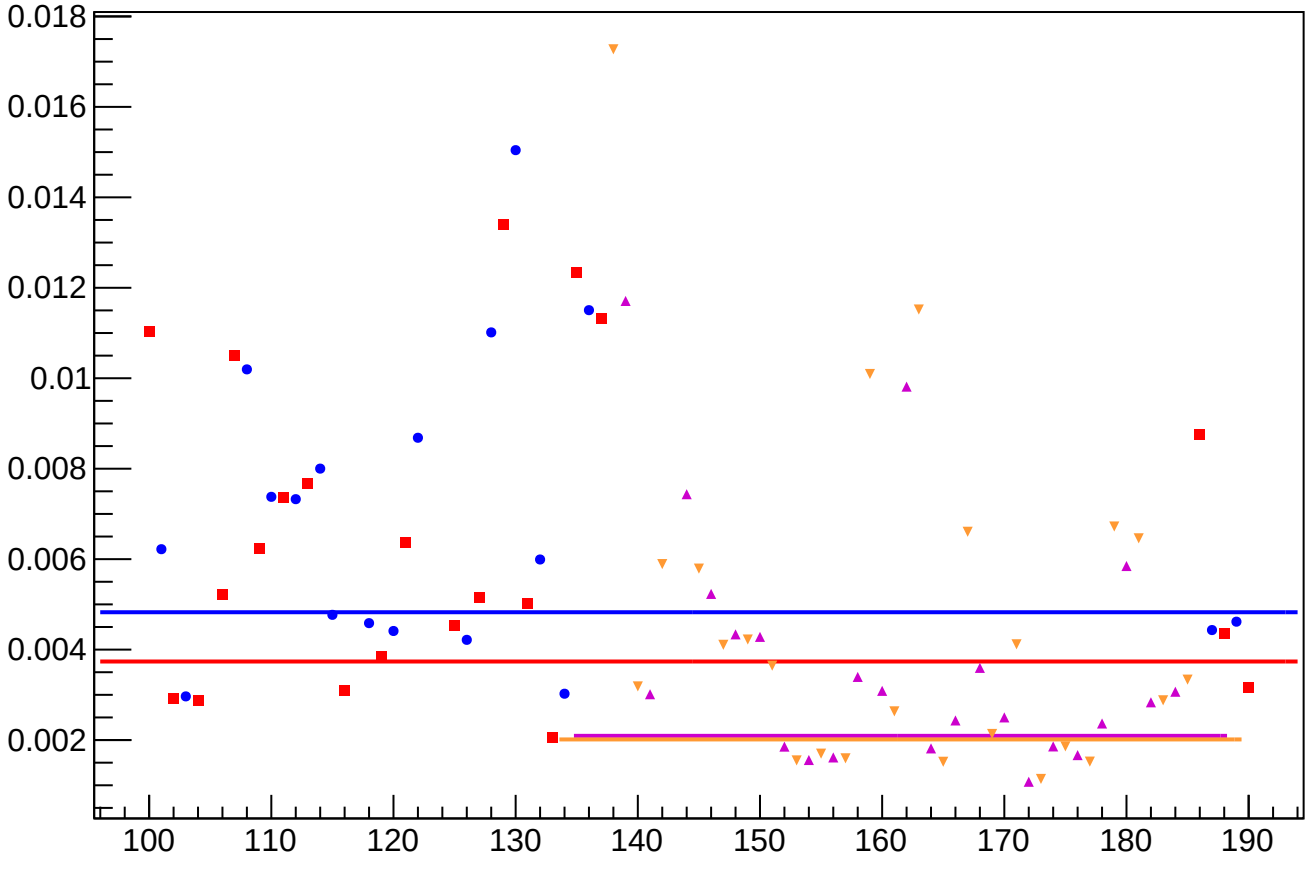
In: 49.337+/-0.008 χ^2/NDF:9523836.1/40

Out: 50.055+/-0.008 χ^2/NDF:9541383.6/44

All: 49.694+/-0.006 χ^2/NDF: 19069147.4/85


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 23.6/17
Left Out: 0.000+/-0.000 χ²/NDF:28.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/20
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 54.1/46
Right: 0.000+/-0.000 χ²/NDF: 48.8/38
In: 0.000+/-0.000 χ²/NDF:51.6/40
Out: 0.000+/-0.000 χ²/NDF:51.5/44
All: 0.000+/-0.000 χ²/NDF: 103.2/85

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2749821.1/17

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3439977.6/20

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

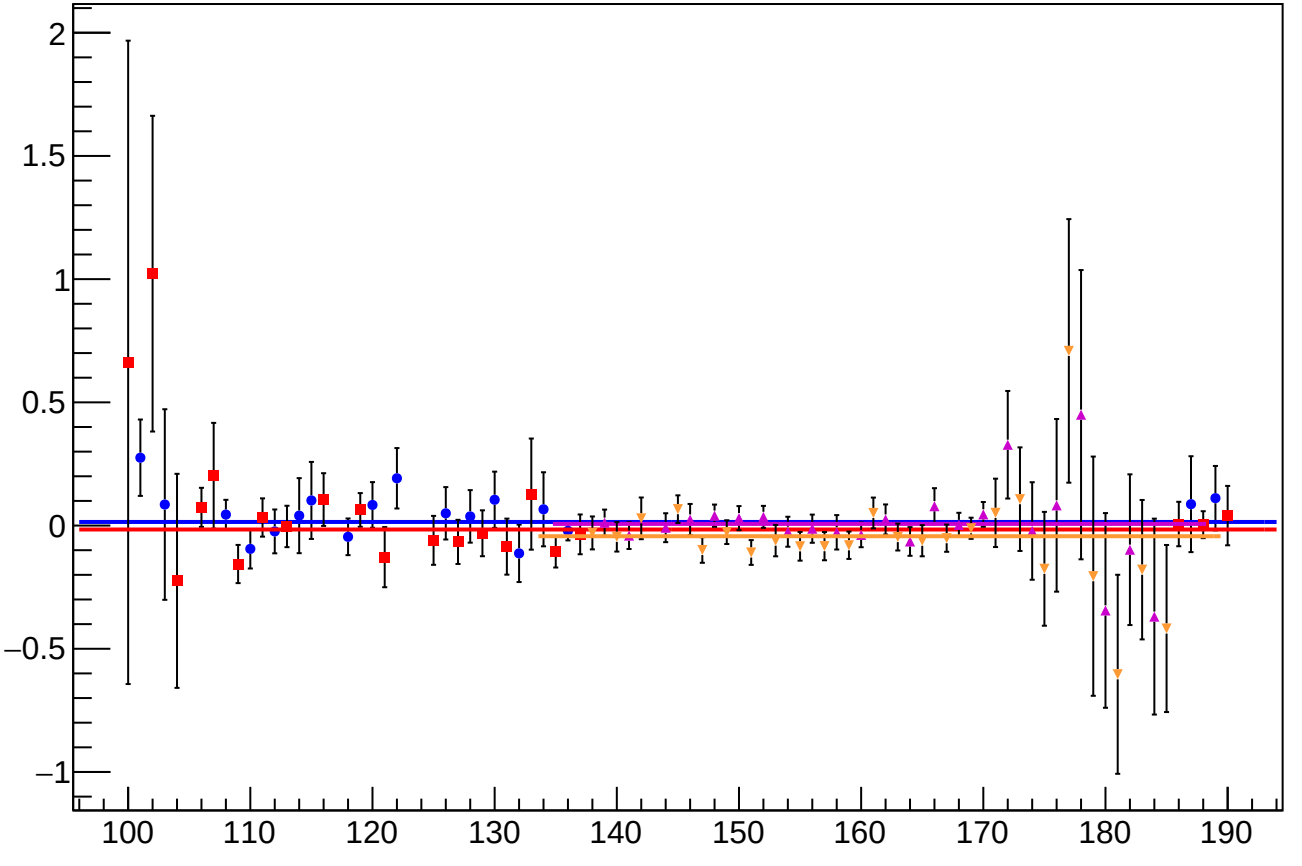
Right: 0.004+/-0.000 χ^2/NDF: 6588504.8/38

In: 0.002+/-0.000 χ^2/NDF:13386482.1/40

Out: 0.002+/-0.000 χ^2/NDF:16211635.8/44

All: 0.002+/-0.000 χ^2/NDF: 29620099.8/85

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

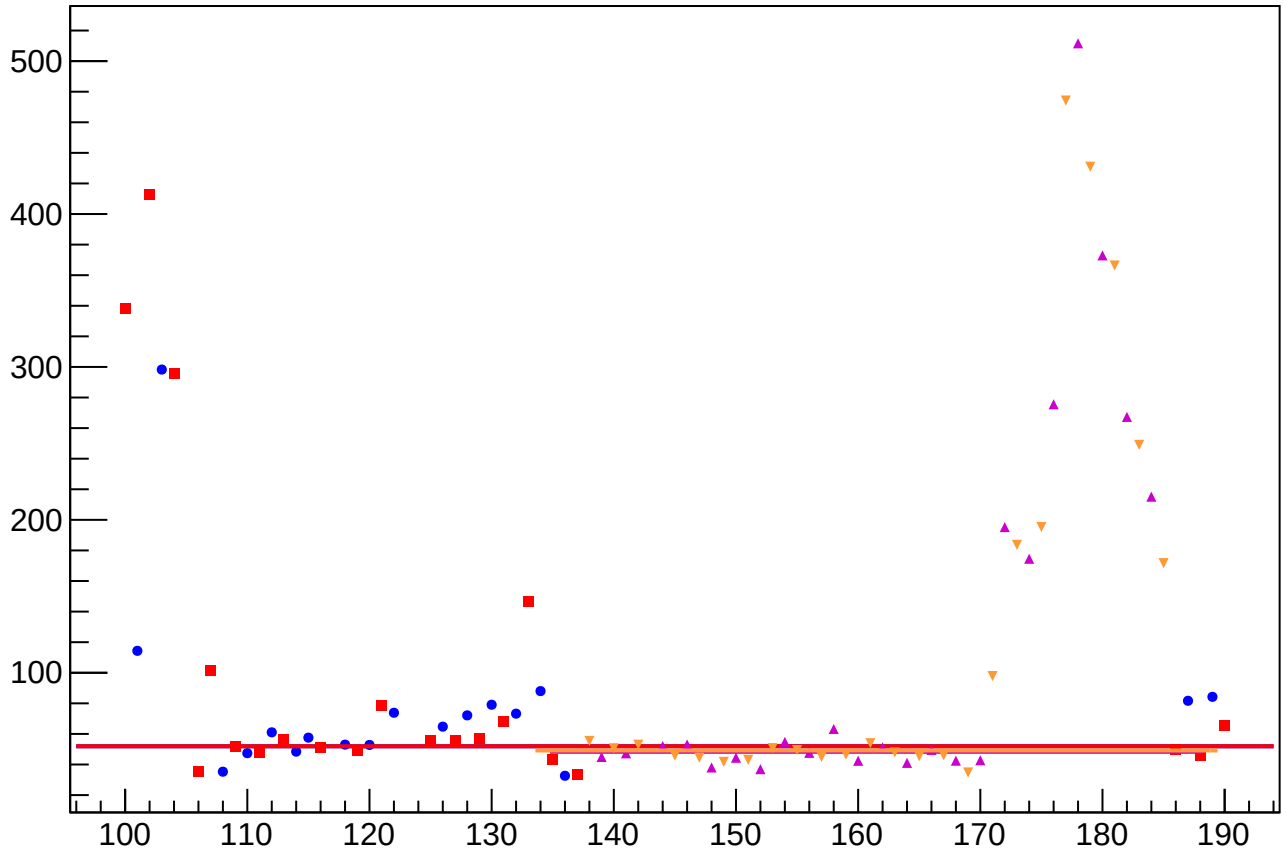
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.001+/-0.015 χ^2/NDF: 30.0/38

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.013+/-0.008 χ^2/NDF: 67.6/85



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

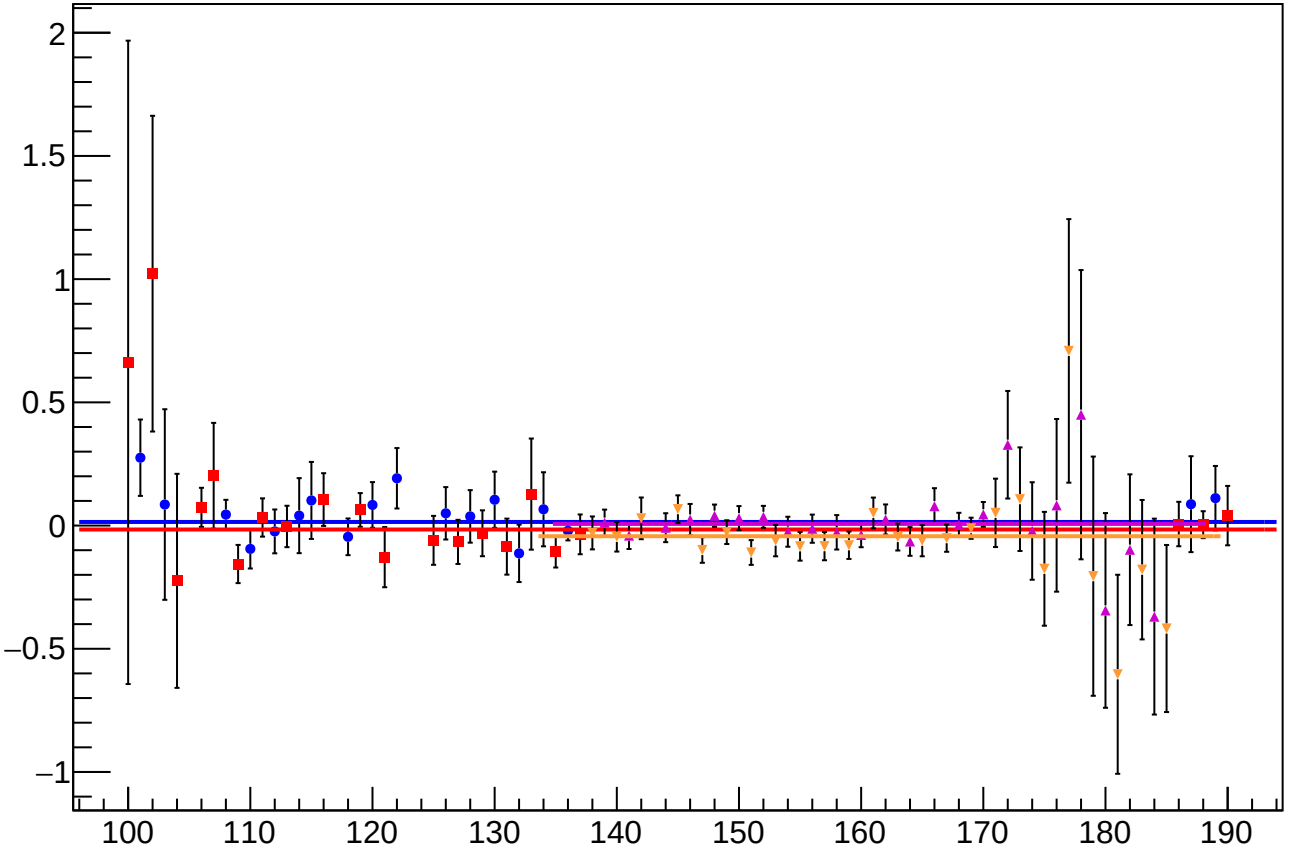
Right: 51.935+/-0.010 χ^2/NDF: 4708455.2/38

In: 49.337+/-0.008 χ^2/NDF:9523670.8/40

Out: 50.055+/-0.008 χ^2/NDF:9541284.5/44

All: 49.695+/-0.006 χ^2/NDF: 19068879.2/85

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

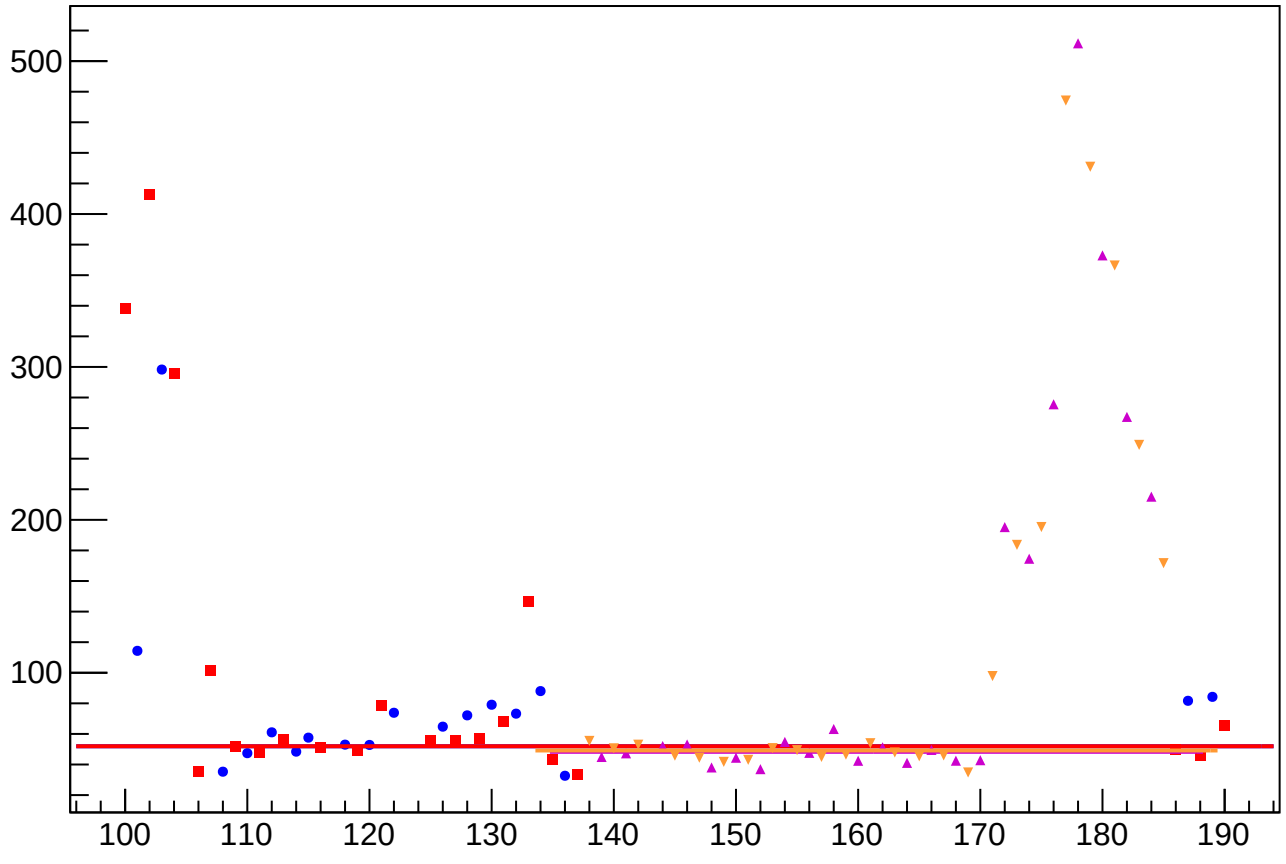
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.001+/-0.015 χ^2/NDF: 30.0/38

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.013+/-0.008 χ^2/NDF: 67.6/85



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

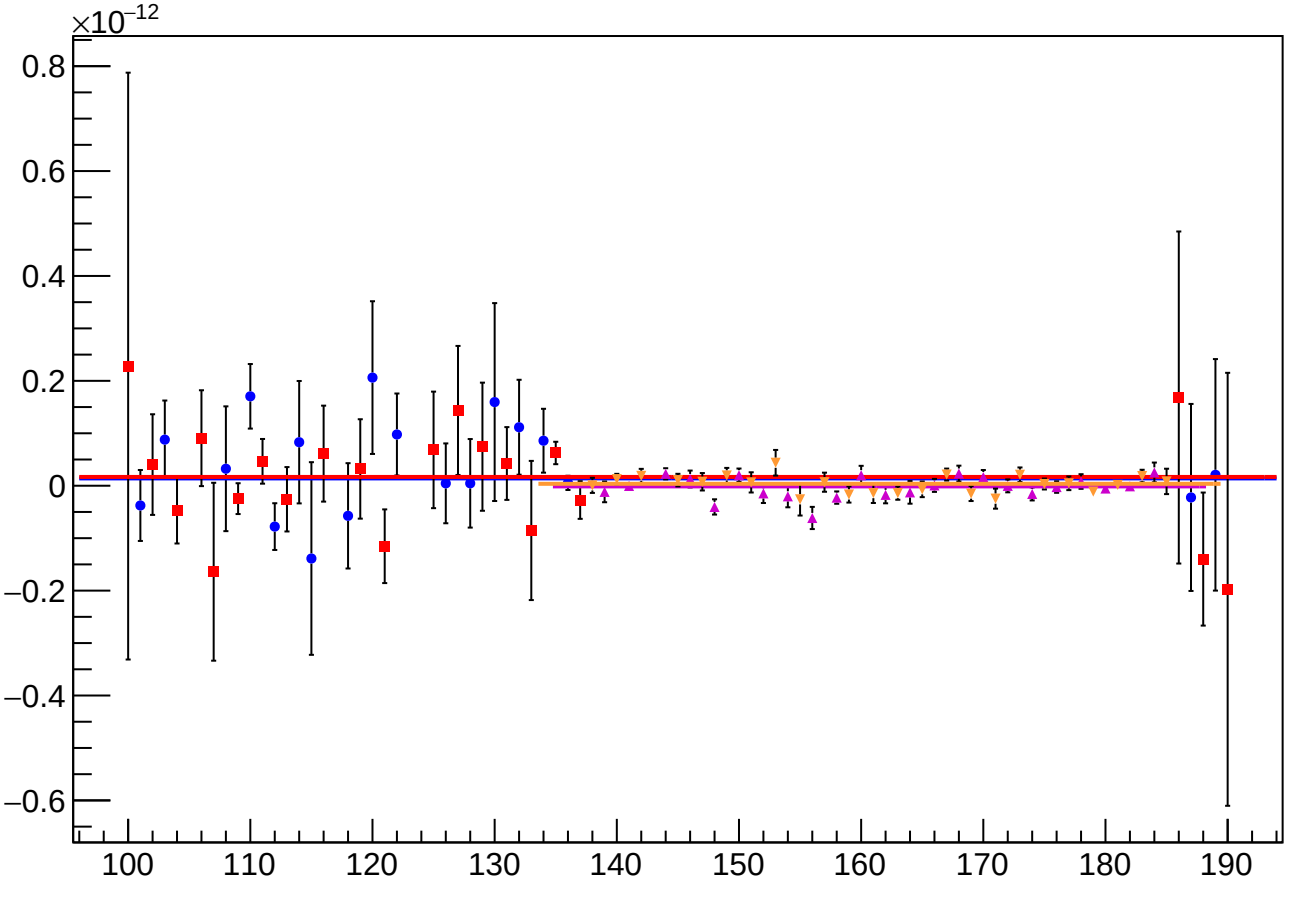
Right: 51.935+/-0.010 χ^2/NDF: 4708455.2/38

In: 49.337+/-0.008 χ^2/NDF:9523670.8/40

Out: 50.055+/-0.008 χ^2/NDF:9541284.5/44

All: 49.695+/-0.006 χ^2/NDF: 19068879.2/85

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

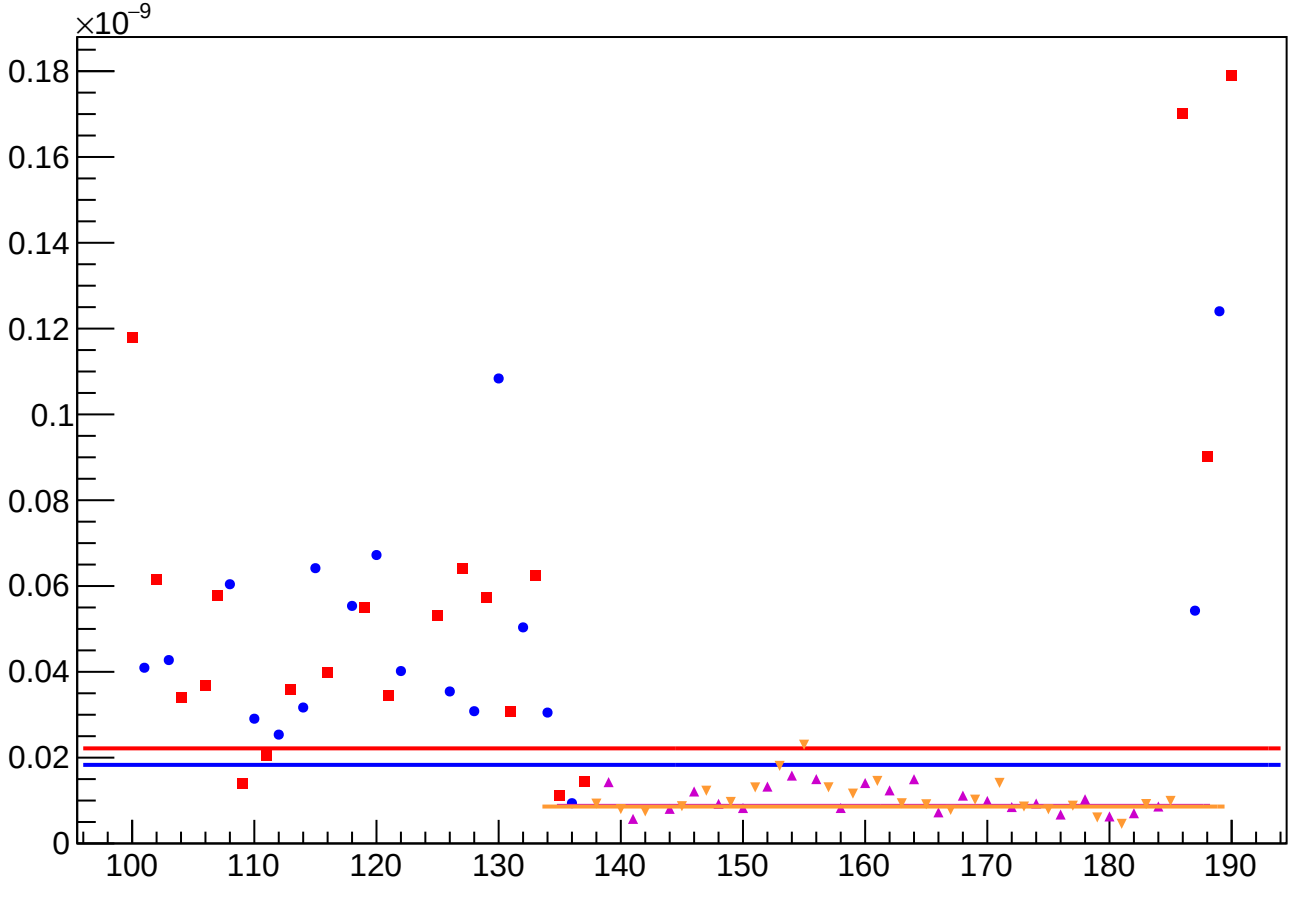
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 40.4/38

In: -0.000+/-0.000 χ^2/NDF:62.1/40

Out: 0.000+/-0.000 χ^2/NDF:45.7/44

All: 0.000+/-0.000 χ^2/NDF: 109.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 3941474.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3935418.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

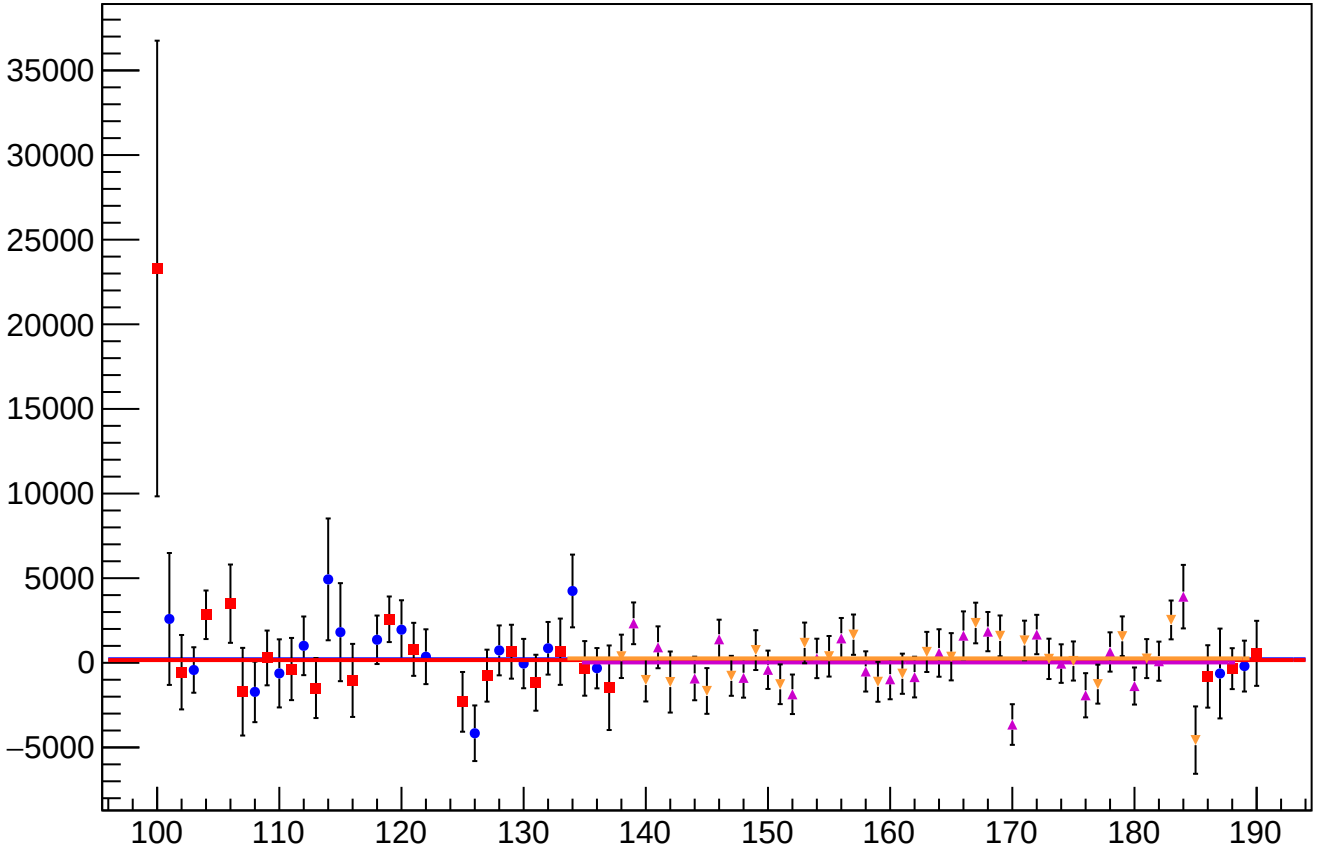
Right: 0.000+/-0.000 χ^2/NDF: 7981631.3/38

In: 0.000+/-0.000 χ^2/NDF:7251663.2/40

Out: 0.000+/-0.000 χ^2/NDF:8701076.8/44

All: 0.000+/-0.000 χ^2/NDF: 15953794.7/85

reg_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 207.282+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 161.239+/-384.470 χ^2/NDF: 17.9/20

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

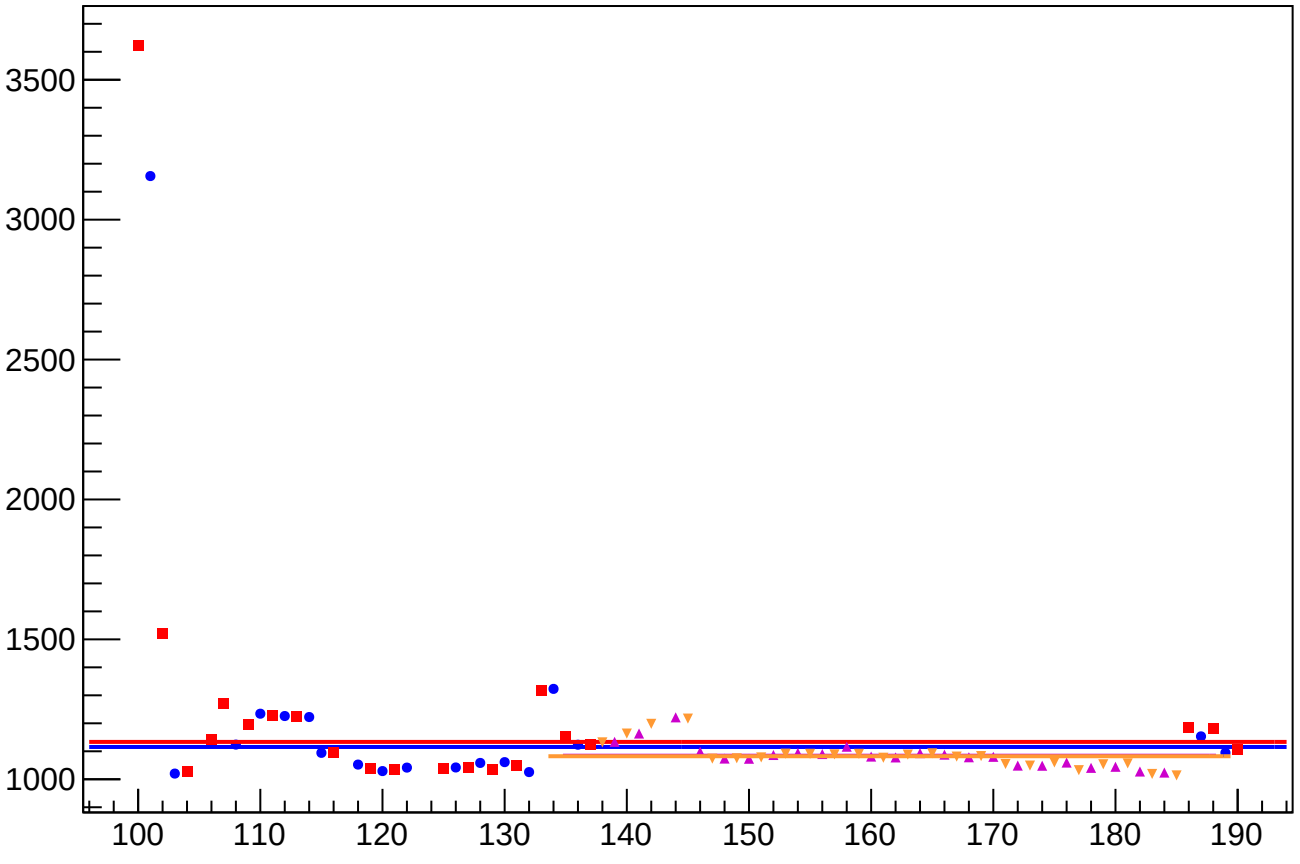
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 183.127+/-278.475 χ^2/NDF: 35.1/38

In: 74.576+/-214.610 χ^2/NDF:53.1/40

Out: 230.875+/-210.411 χ^2/NDF:46.2/44

All: 154.270+/-150.245 χ^2/NDF: 99.5/85



Right In: 1115.405+/-0.286 χ^2/NDF: 624183.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1133.526+/-0.272 χ^2/NDF: 228040.5/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

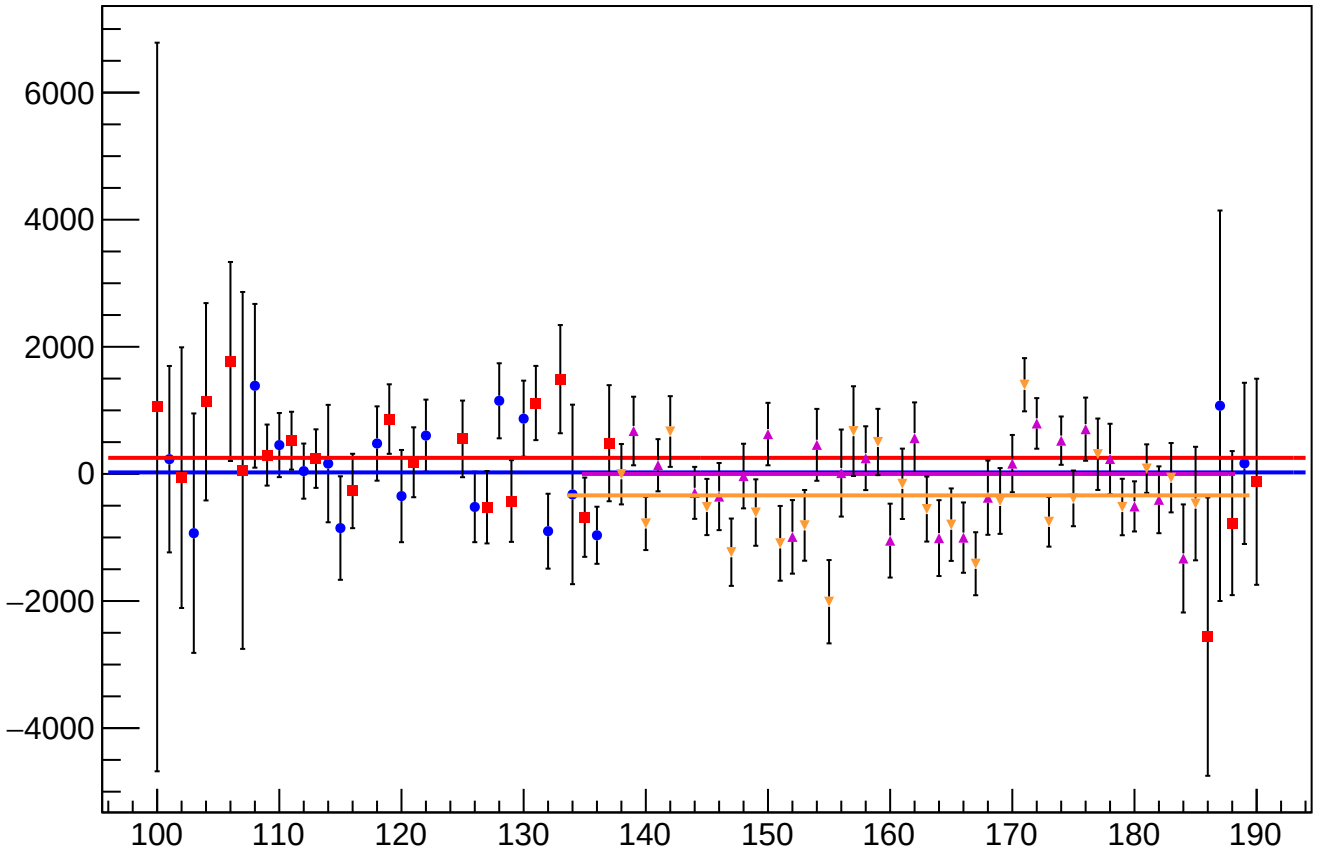
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1124.912+/-0.197 χ^2/NDF: 854336.2/38

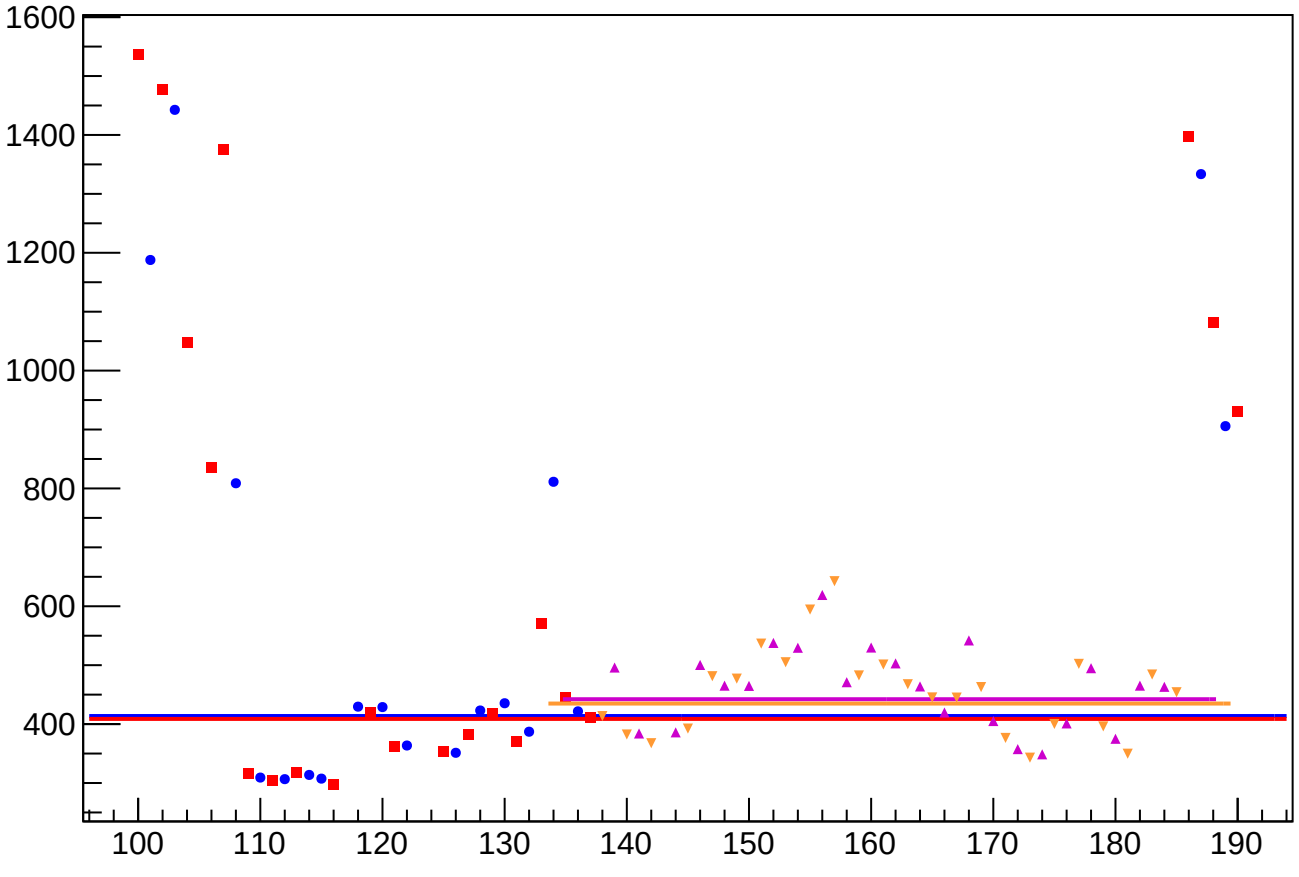
In: 1092.986+/-0.152 χ^2/NDF:686208.8/40

Out: 1097.648+/-0.149 χ^2/NDF:310777.0/44

All: 1095.363+/-0.106 χ^2/NDF: 997467.0/85


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 23.654+/-159.733 χ²/NDF: 19.3/17
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 252.645+/-153.647 χ²/NDF: 16.1/20
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 142.595+/-110.734 χ²/NDF: 36.5/38
In: 6.729+/-87.585 χ²/NDF:51.2/40
Out: -155.657+/-85.326 χ²/NDF:75.1/44
All: -76.585+/-61.117 χ²/NDF: 128.0/85

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 413.682+/-0.113 χ^2/NDF: 2297291.4/17

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 408.794+/-0.109 χ^2/NDF: 3120510.4/20

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

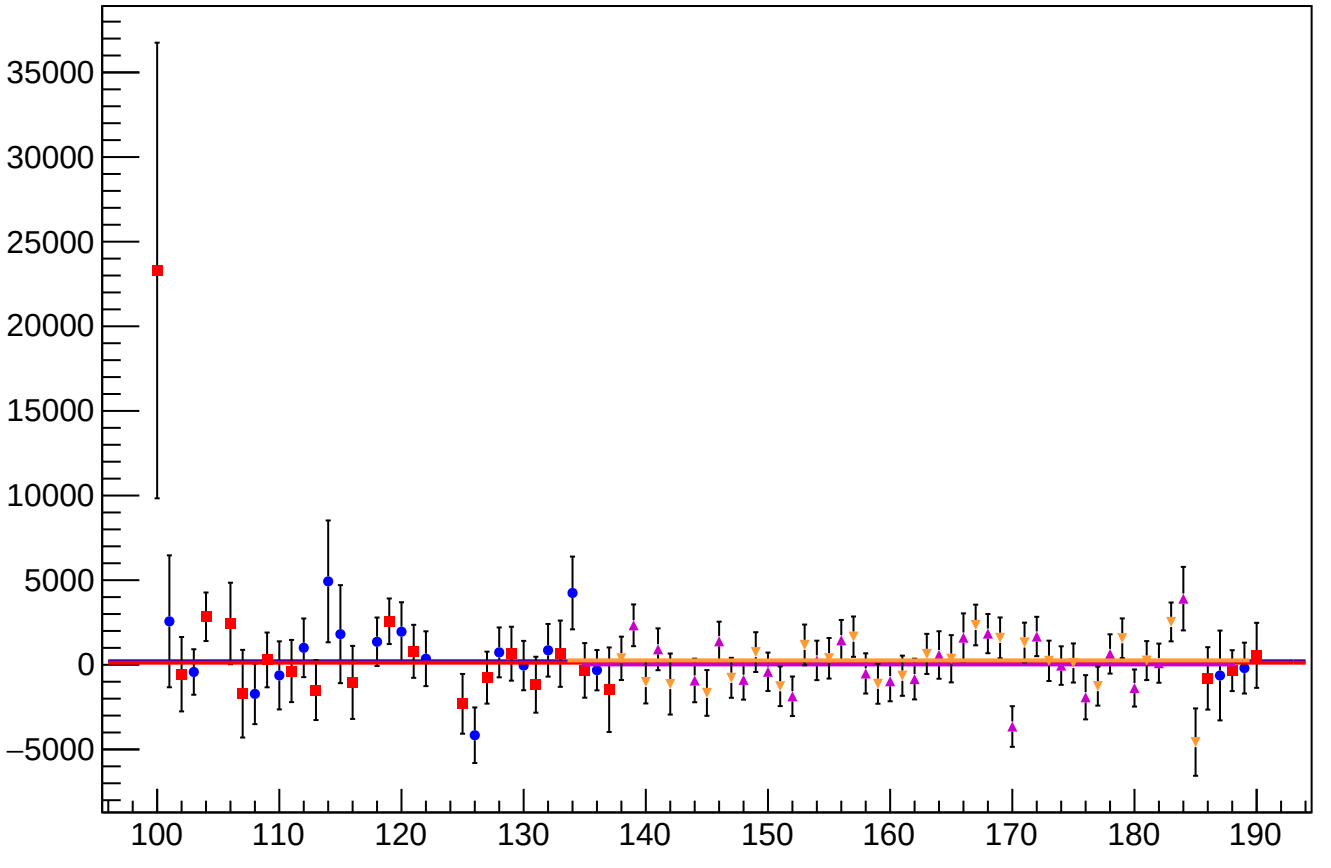
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 411.143+/-0.078 χ^2/NDF: 5418774.5/38

In: 433.632+/-0.062 χ^2/NDF:3167874.2/40

Out: 426.820+/-0.060 χ^2/NDF:4038731.4/44

All: 430.137+/-0.043 χ^2/NDF: 7212812.1/85



Right In: 206.945+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 127.271+/-384.880 χ^2/NDF: 16.7/20

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

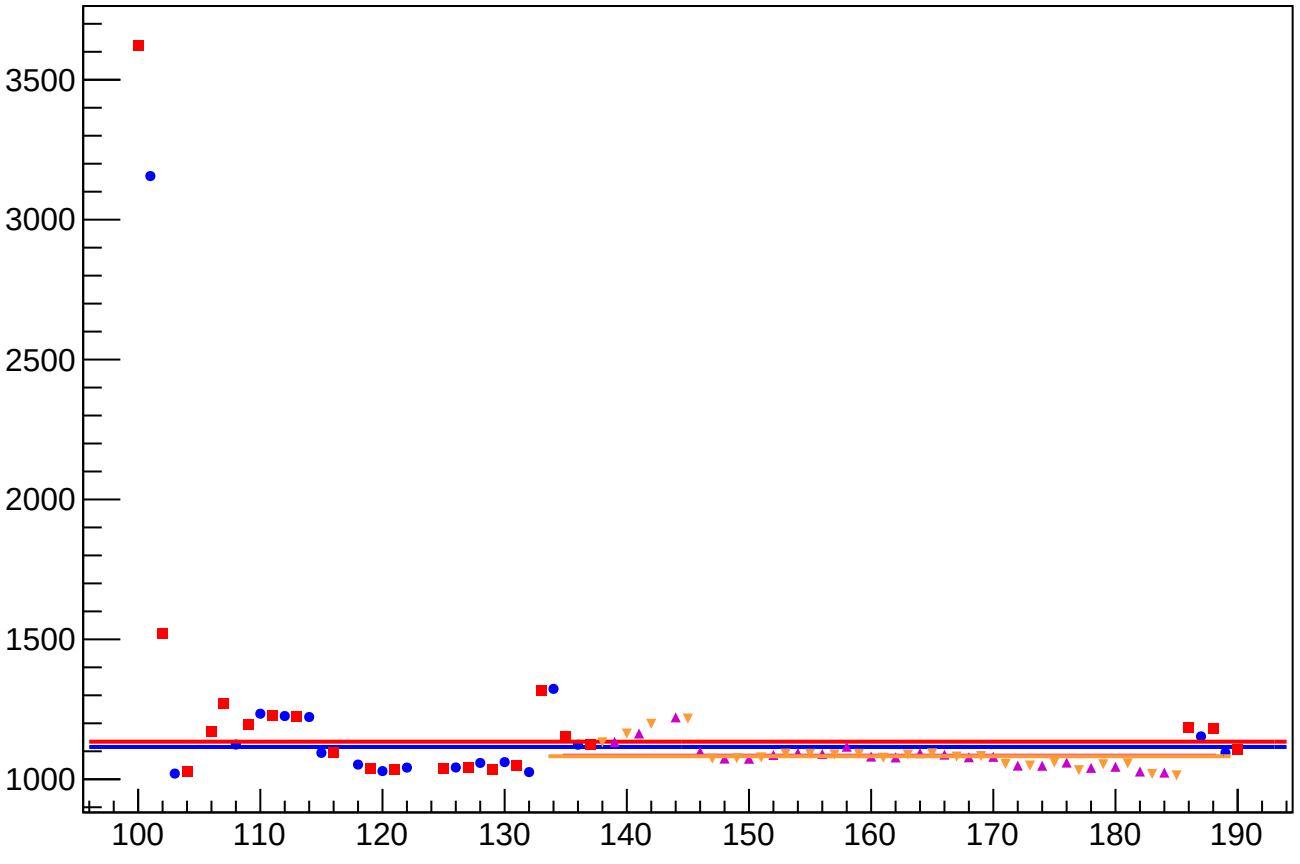
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 165.189+/-278.630 χ^2/NDF: 33.9/38

In: 74.477+/-214.610 χ^2/NDF:53.1/40

Out: 220.754+/-210.478 χ^2/NDF:45.0/44

All: 149.037+/-150.270 χ^2/NDF: 98.3/85



Right In: 1115.405+/-0.286 χ^2/NDF: 624184.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

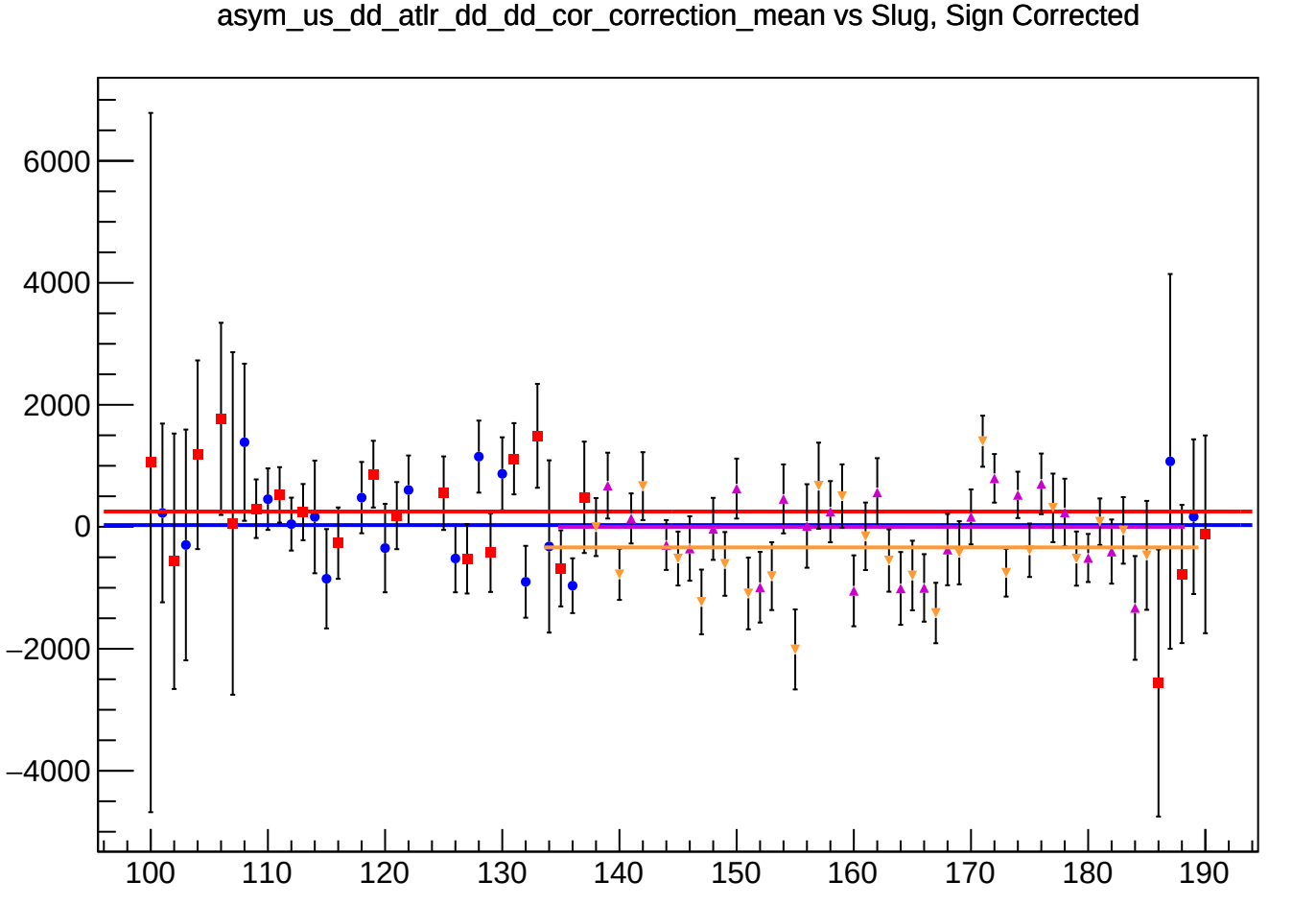
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.314+/-0.197 χ^2/NDF: 855000.0/38

In: 1092.986+/-0.152 χ^2/NDF:686209.7/40

Out: 1097.860+/-0.149 χ^2/NDF:311985.5/44

All: 1095.470+/-0.106 χ^2/NDF: 998721.1/85


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
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−4000
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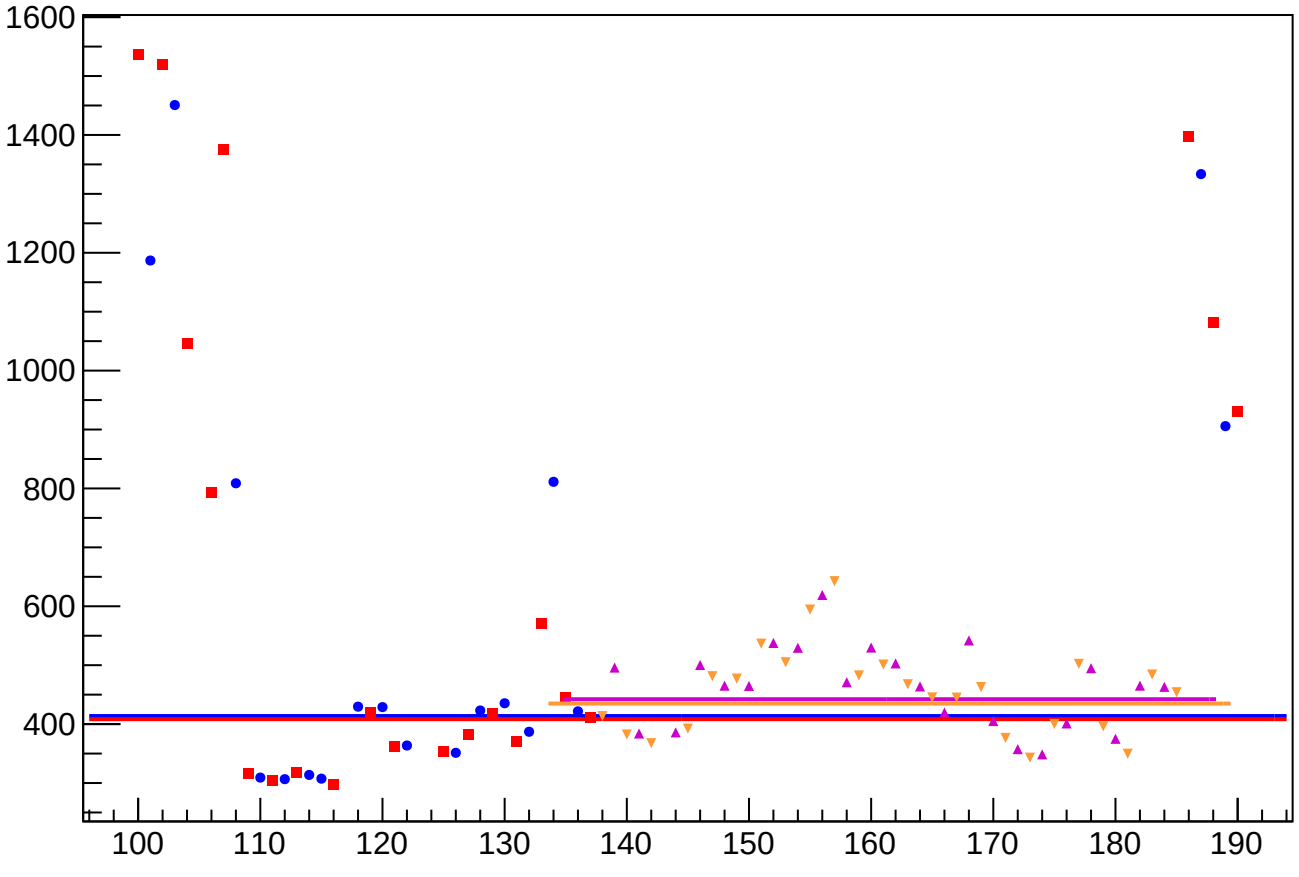
170
180
190
Right In: 28.026+/-159.734 χ²/NDF: 19.1/17
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 250.379+/-153.669 χ²/NDF: 16.2/20
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 143.504+/-110.743 χ²/NDF: 36.3/38
In: 8.030+/-87.585 χ²/NDF:51.0/40
Out: -156.455+/-85.329 χ²/NDF:75.2/44
All: -76.358+/-61.119 χ²/NDF: 127.9/85

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.670+/-0.113 χ^2/NDF: 2300985.7/17

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

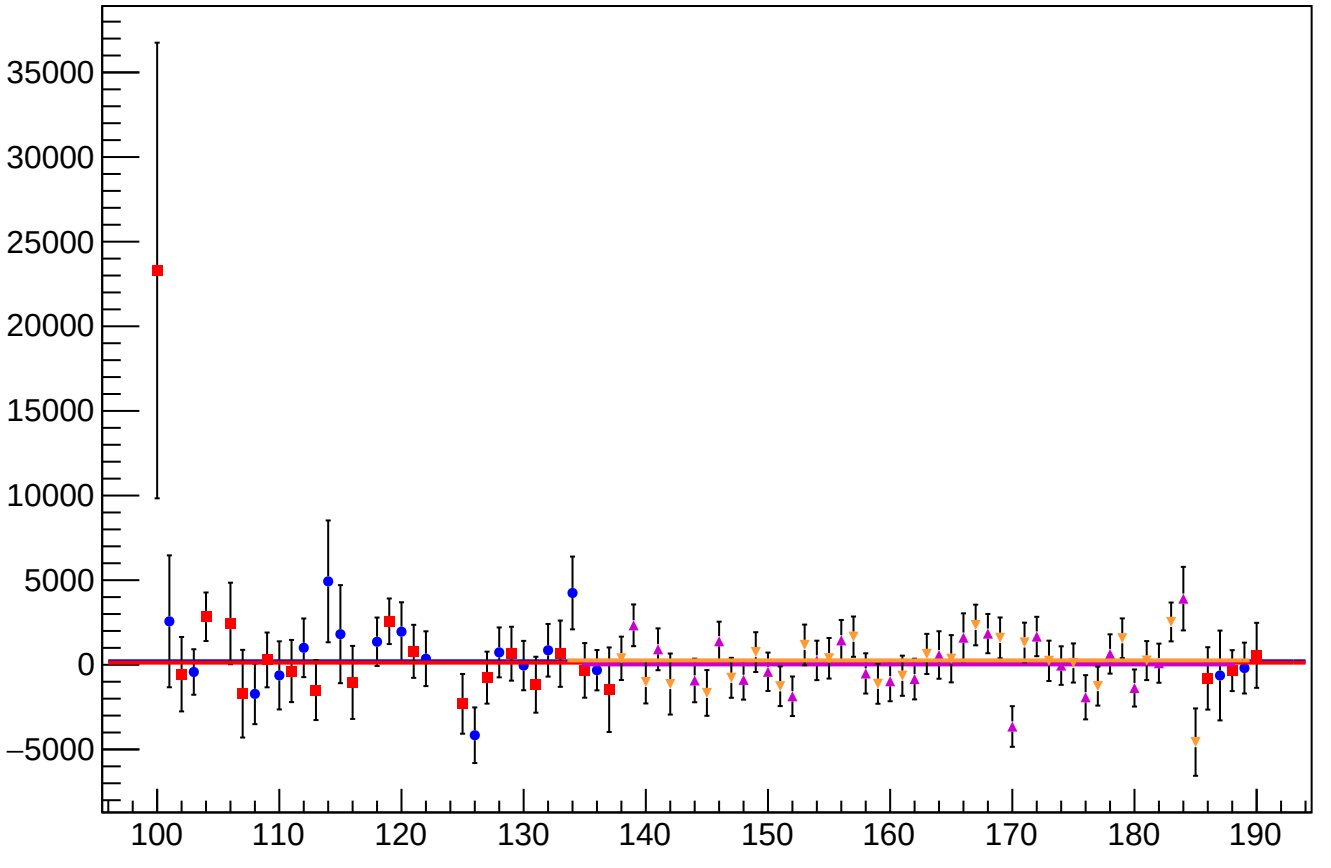
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 410.908+/-0.078 χ^2/NDF: 5412398.2/38

In: 433.629+/-0.062 χ^2/NDF:3171479.9/40

Out: 426.683+/-0.060 χ^2/NDF:4029921.2/44

All: 430.066+/-0.043 χ^2/NDF: 7207854.1/85



Right In: 206.945+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 127.271+/-384.880 χ^2/NDF: 16.7/20

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

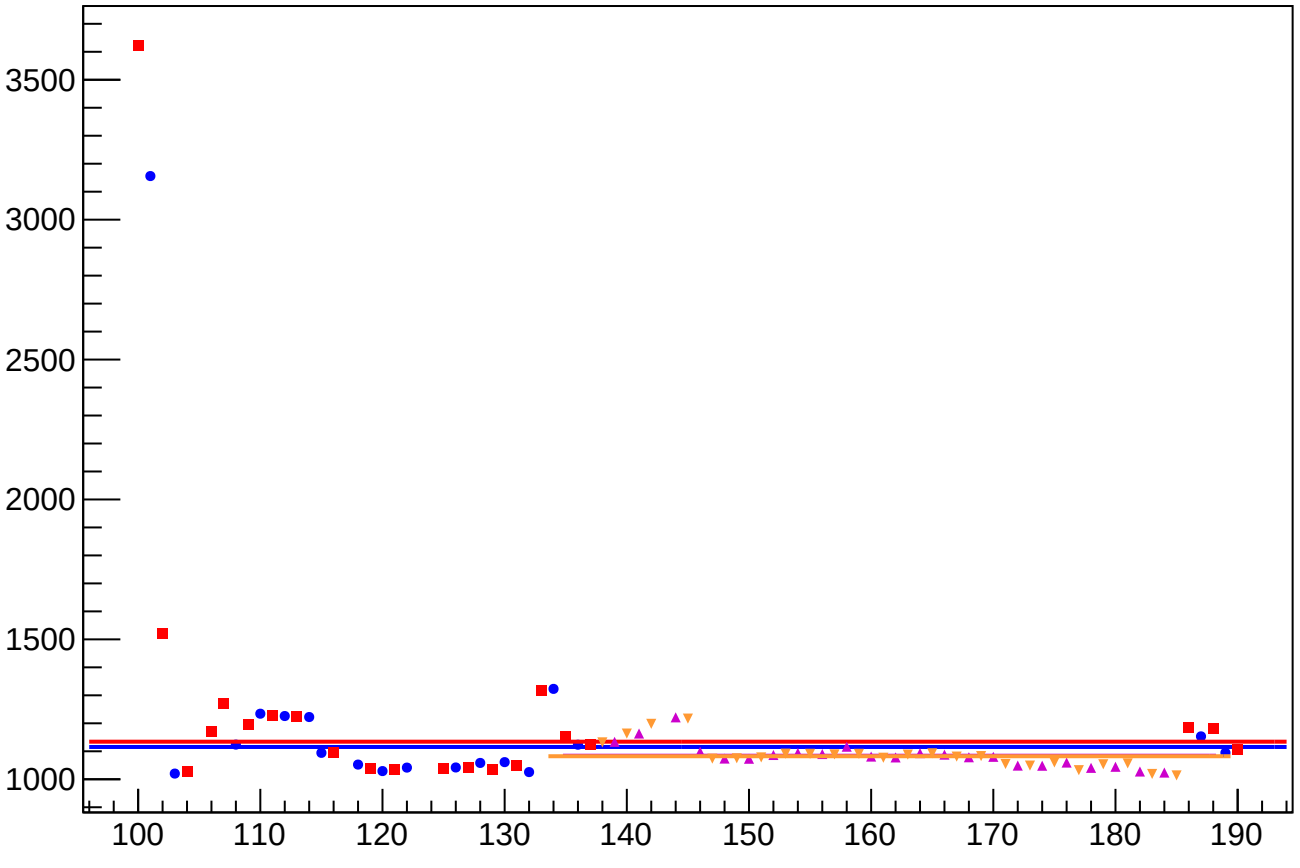
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 165.189+/-278.630 χ^2/NDF: 33.9/38

In: 74.477+/-214.610 χ^2/NDF:53.1/40

Out: 220.754+/-210.478 χ^2/NDF:45.0/44

All: 149.037+/-150.270 χ^2/NDF: 98.3/85



Right In: 1115.405+/-0.286 χ^2/NDF: 624184.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

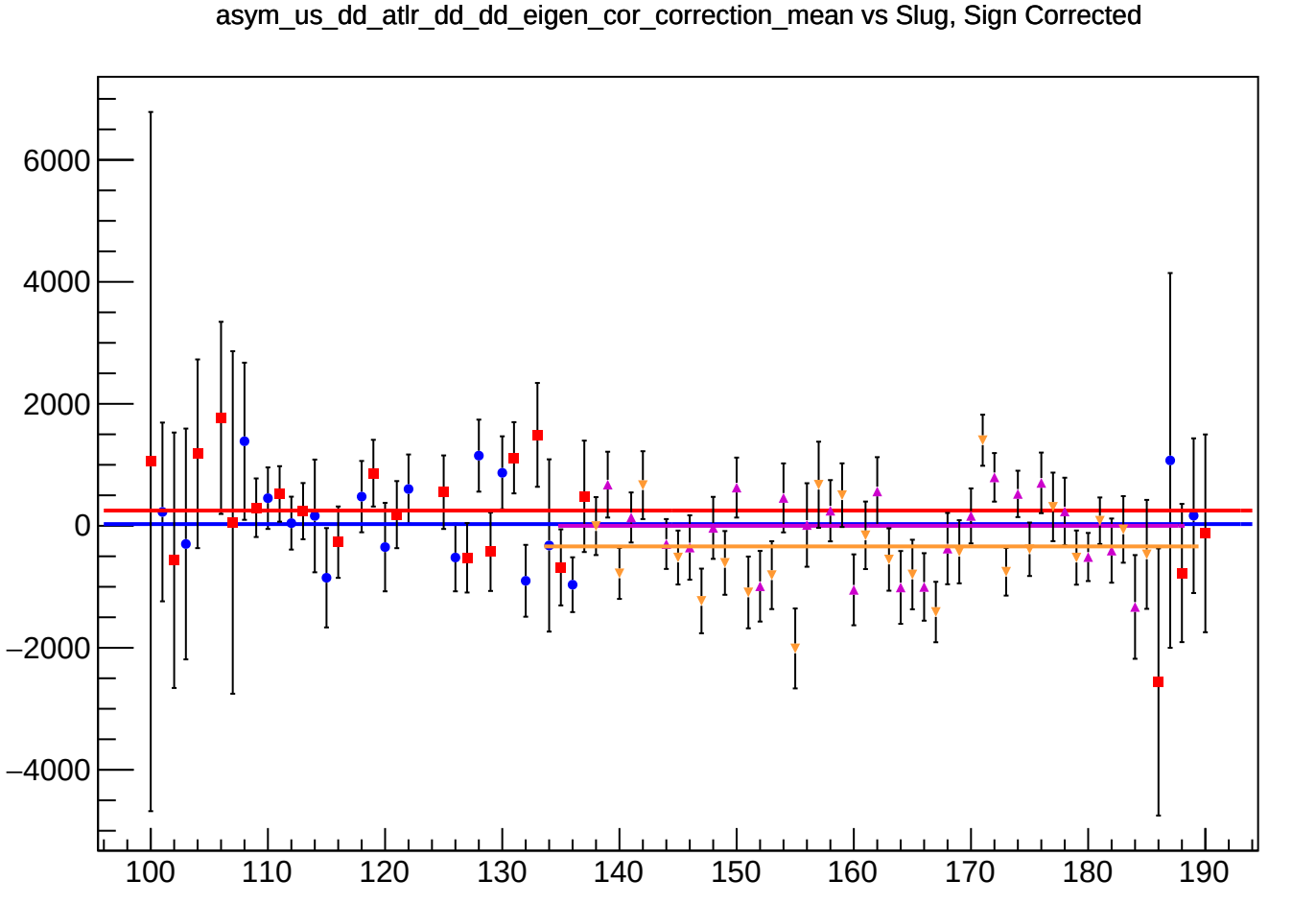
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.314+/-0.197 χ^2/NDF: 855000.0/38

In: 1092.986+/-0.152 χ^2/NDF:686209.7/40

Out: 1097.860+/-0.149 χ^2/NDF:311985.5/44

All: 1095.470+/-0.106 χ^2/NDF: 998721.1/85


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
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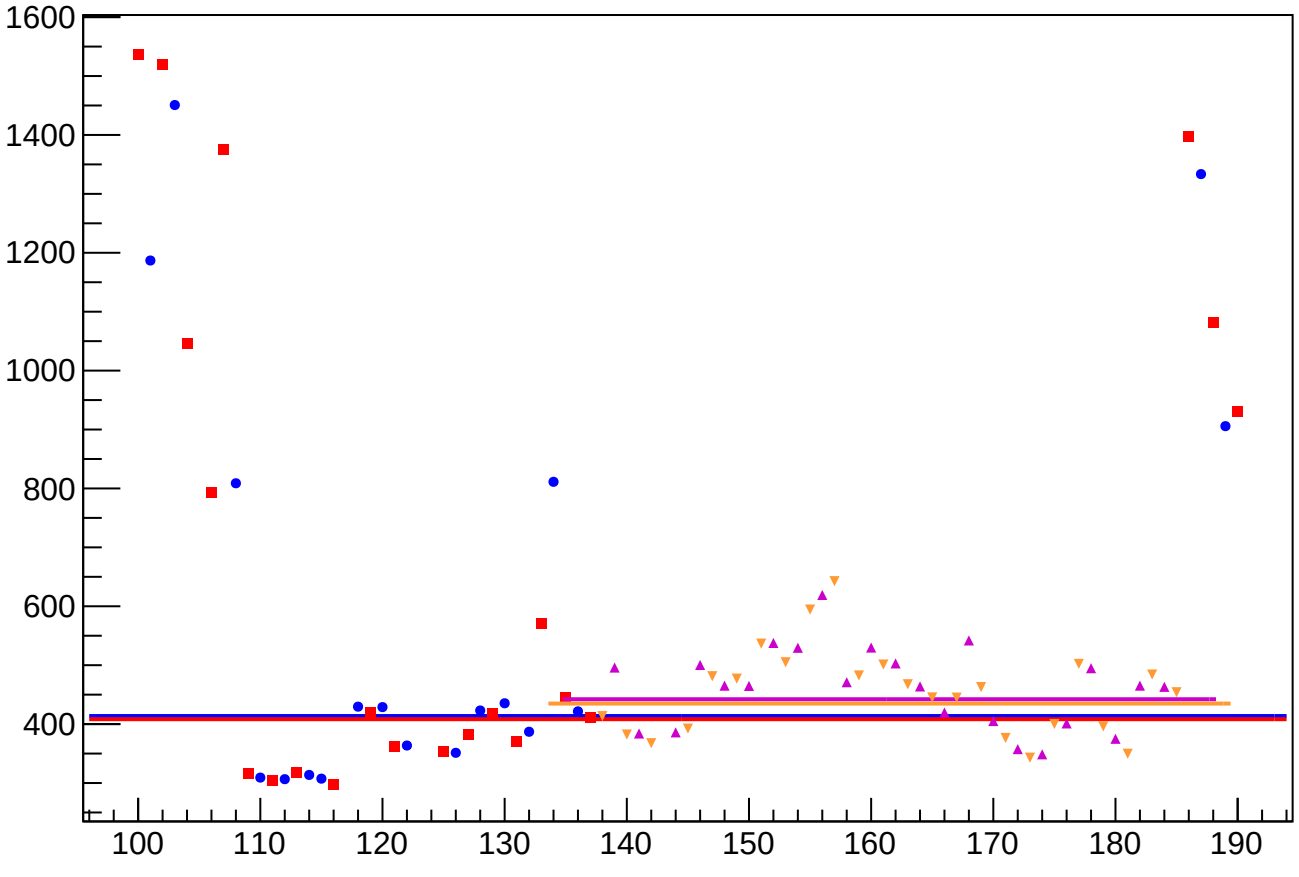
Right In: 28.026+/-159.734 χ²/NDF: 19.1/17
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 250.379+/-153.669 χ²/NDF: 16.2/20
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 143.504+/-110.743 χ²/NDF: 36.3/38
In: 8.030+/-87.585 χ²/NDF:51.0/40
Out: -156.455+/-85.329 χ²/NDF:75.2/44
All: -76.358+/-61.119 χ²/NDF: 127.9/85

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.670+/-0.113 χ^2/NDF: 2300985.7/17

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

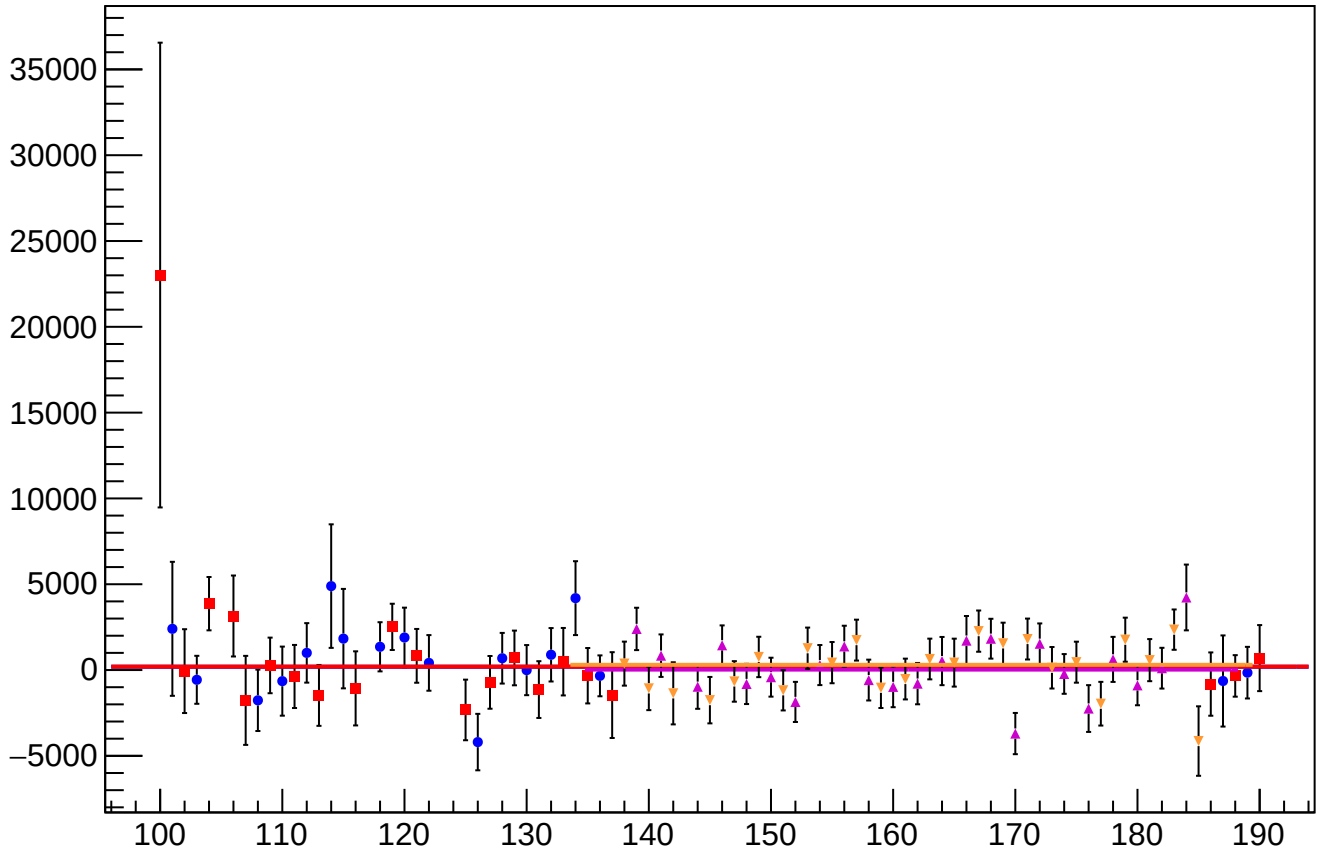
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 410.908+/-0.078 χ^2/NDF: 5412398.2/38

In: 433.629+/-0.062 χ^2/NDF:3171479.9/40

Out: 426.683+/-0.060 χ^2/NDF:4029921.2/44

All: 430.066+/-0.043 χ^2/NDF: 7207854.1/85



Right In: 191.691+/-405.597 χ^2/NDF: 17.1/17

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 199.560+/-388.184 χ^2/NDF: 19.3/20

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

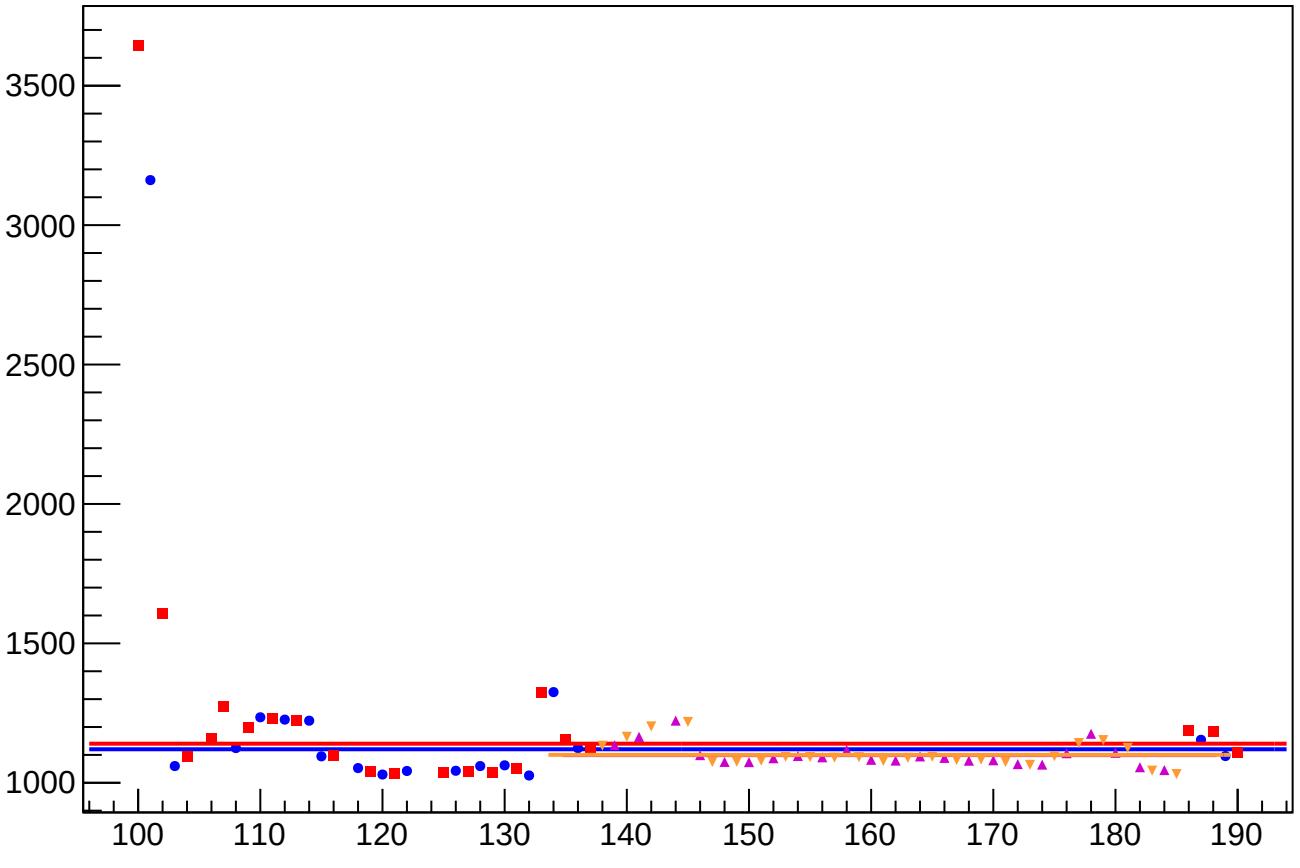
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 195.798+/-280.442 χ^2/NDF: 36.4/38

In: 72.945+/-217.008 χ^2/NDF:53.1/40

Out: 272.005+/-213.453 χ^2/NDF:47.8/44

All: 174.119+/-152.175 χ^2/NDF: 101.4/85



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

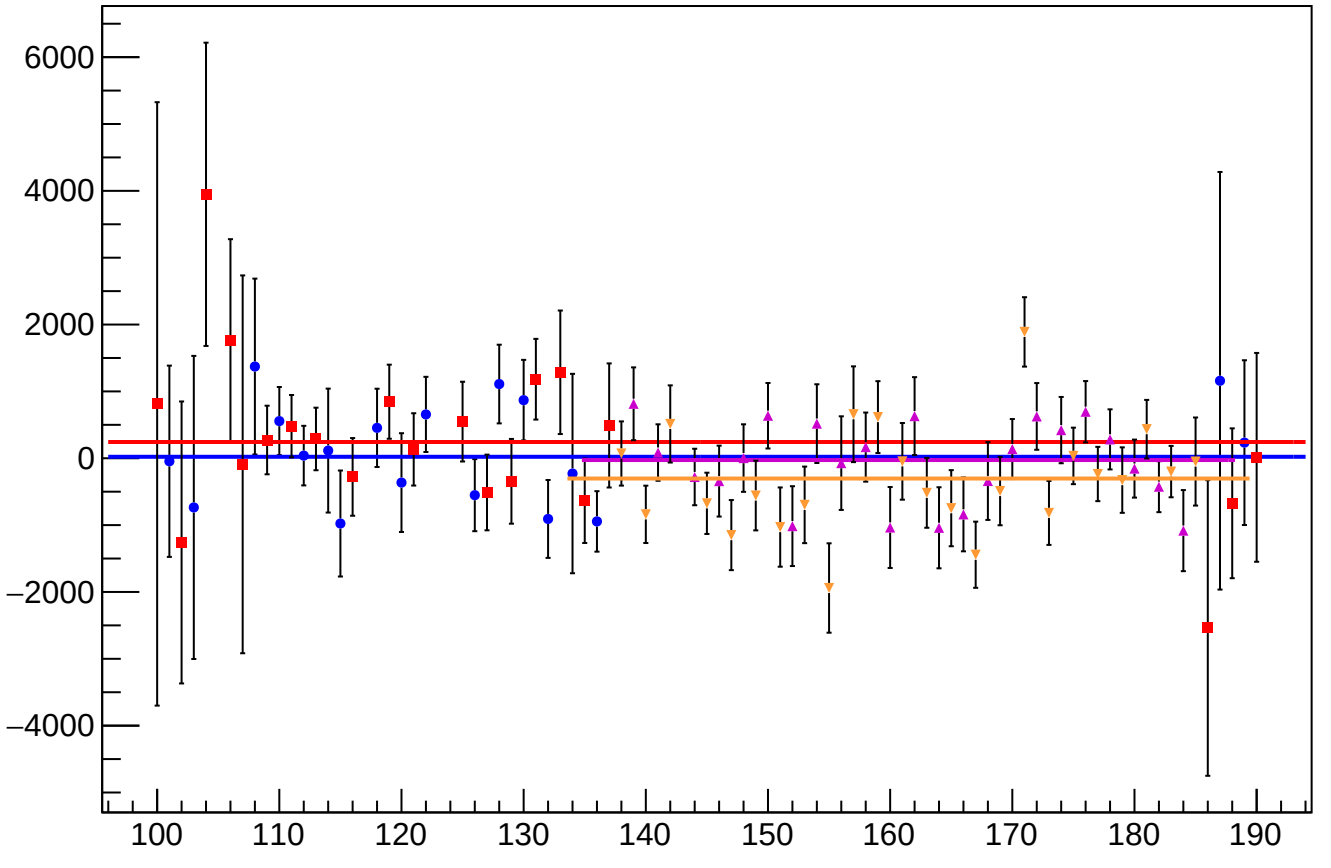
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1130.680+/-0.198 χ^2/NDF: 852688.1/38

In: 1105.317+/-0.153 χ^2/NDF:666453.9/40

Out: 1112.355+/-0.151 χ^2/NDF:295843.9/44

All: 1108.894+/-0.108 χ^2/NDF: 963366.9/85



Right In: 21.995+/-160.256 χ^2/NDF: 19.8/17

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 243.115+/-156.075 χ^2/NDF: 17.4/20

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

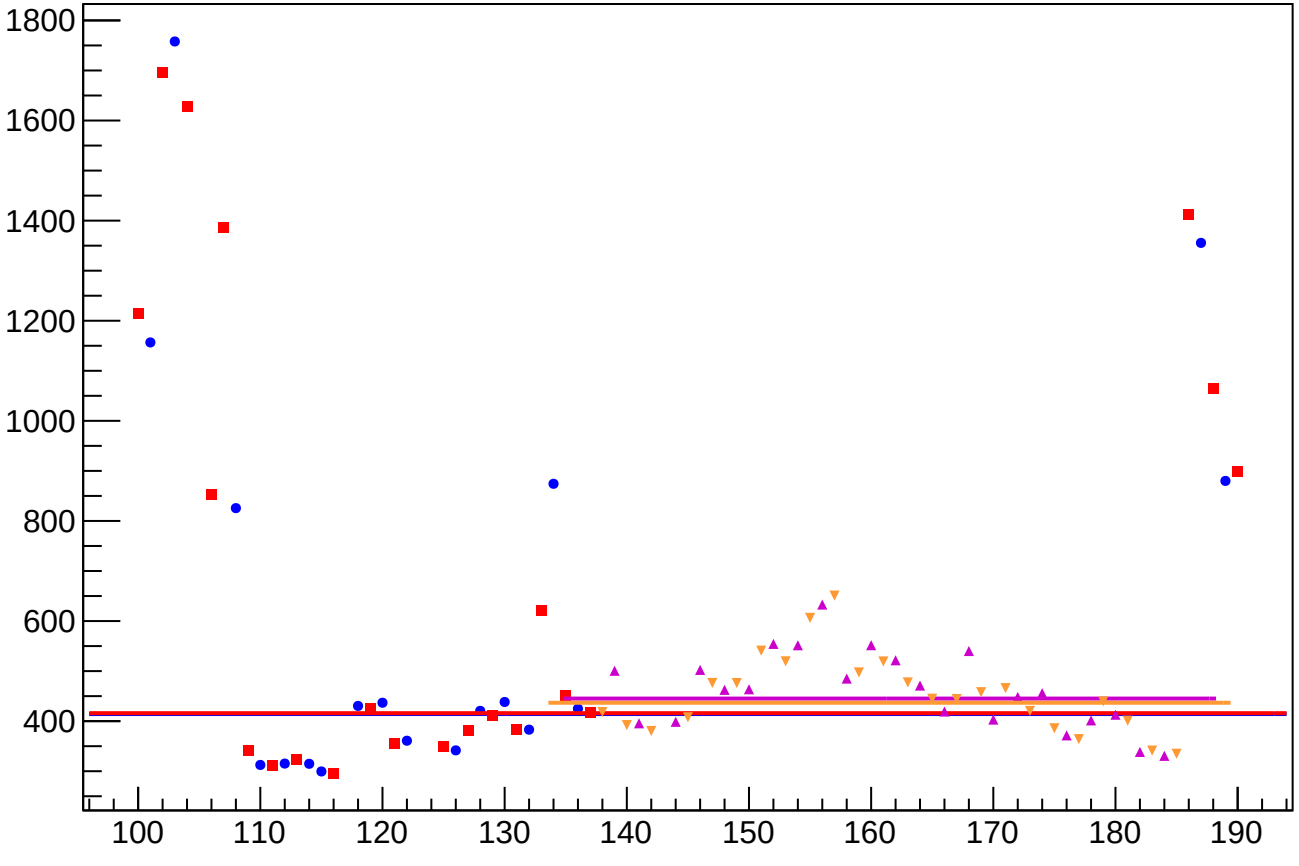
Right: 135.477+/-111.811 χ^2/NDF: 38.1/38

In: -12.020+/-88.073 χ^2/NDF:47.7/40

Out: -137.513+/-85.955 χ^2/NDF:75.5/44

All: -76.293+/-61.515 χ^2/NDF: 124.2/85

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 414.217+/-0.113 χ^2/NDF: 2405481.0/17

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 415.951+/-0.110 χ^2/NDF: 3509998.6/20

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

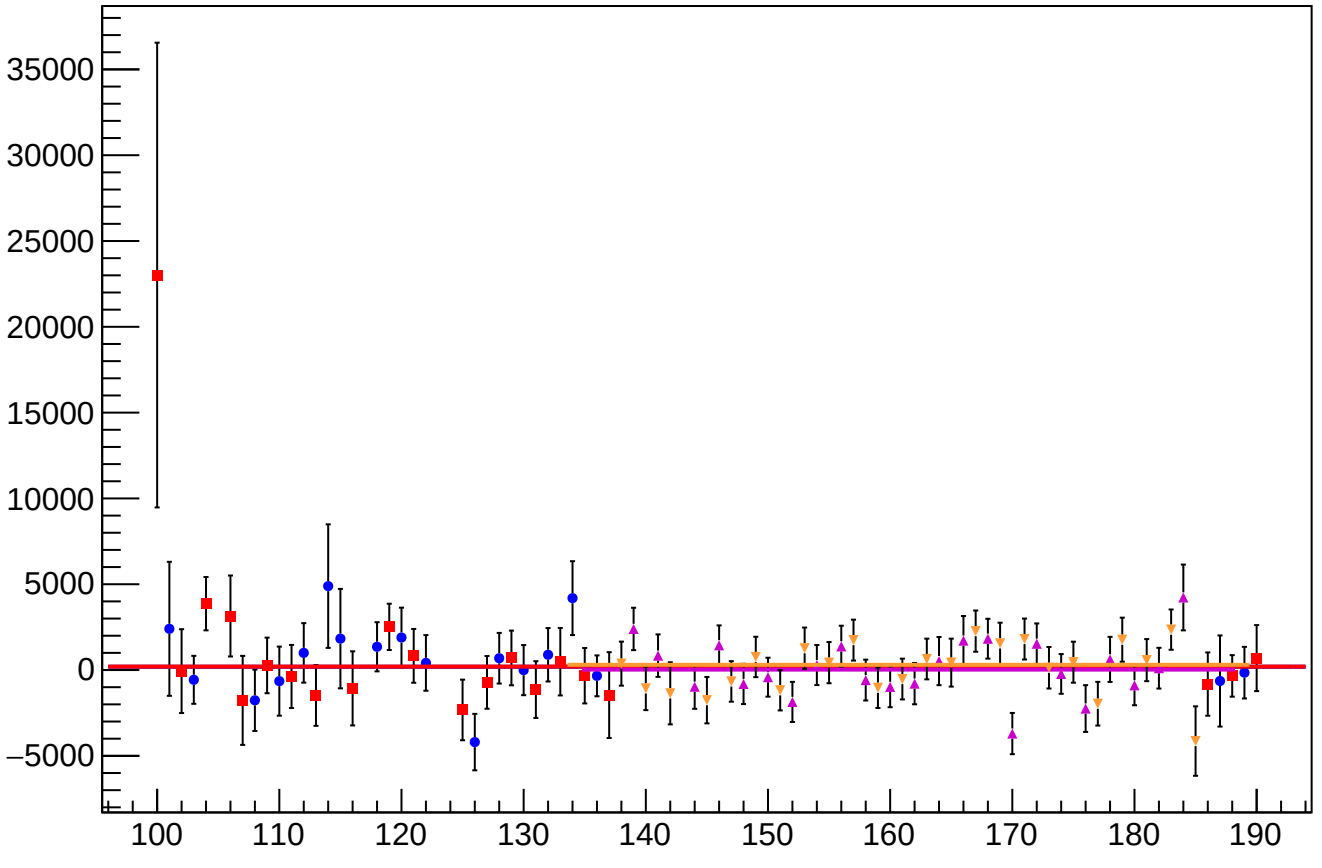
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 415.107+/-0.079 χ^2/NDF: 5915599.9/38

In: 435.778+/-0.062 χ^2/NDF:3331888.1/40

Out: 430.467+/-0.061 χ^2/NDF:4390037.7/44

All: 433.058+/-0.043 χ^2/NDF: 7725650.5/85



Right In: 191.692+/-405.597 χ^2/NDF: 17.1/17

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 199.561+/-388.184 χ^2/NDF: 19.3/20

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

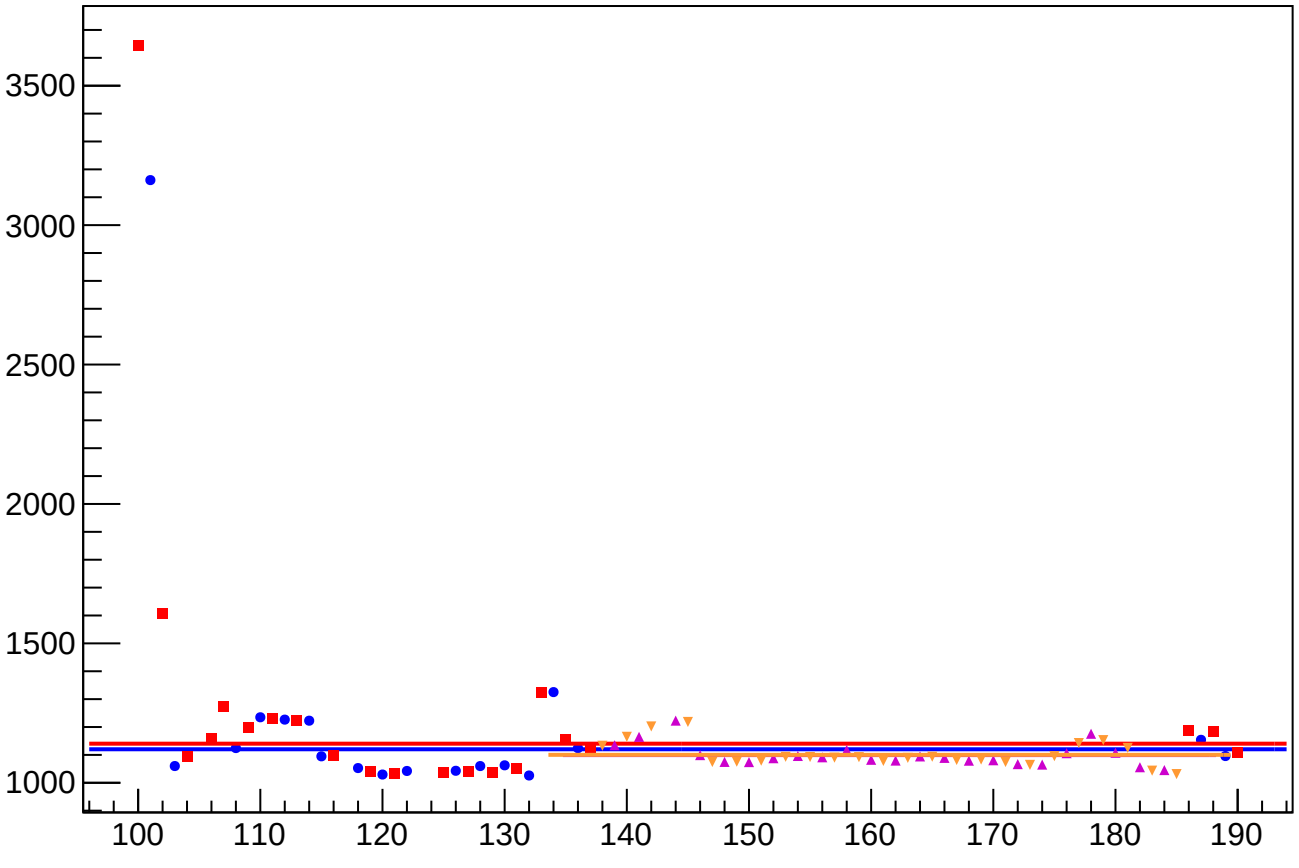
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 195.799+/-280.442 χ^2/NDF: 36.4/38

In: 72.946+/-217.008 χ^2/NDF:53.1/40

Out: 272.004+/-213.453 χ^2/NDF:47.8/44

All: 174.119+/-152.175 χ^2/NDF: 101.4/85



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

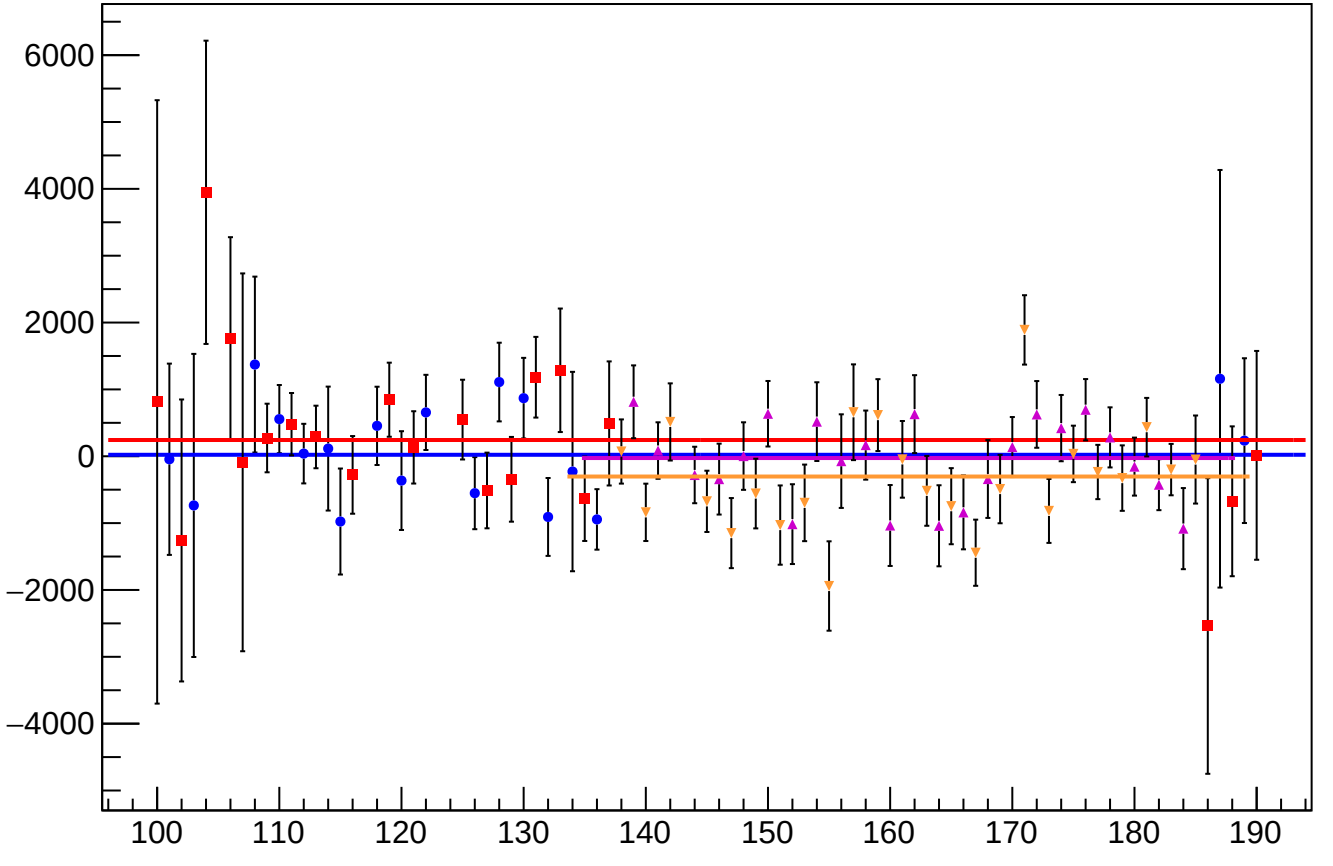
Right: 1130.680+/-0.198 χ^2/NDF: 852688.2/38

In: 1105.317+/-0.153 χ^2/NDF:666454.0/40

Out: 1112.355+/-0.151 χ^2/NDF:295844.2/44

All: 1108.894+/-0.108 χ^2/NDF: 963367.3/85

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 21.991+/-160.255 χ^2/NDF: 19.8/17

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 243.112+/-156.074 χ^2/NDF: 17.4/20

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

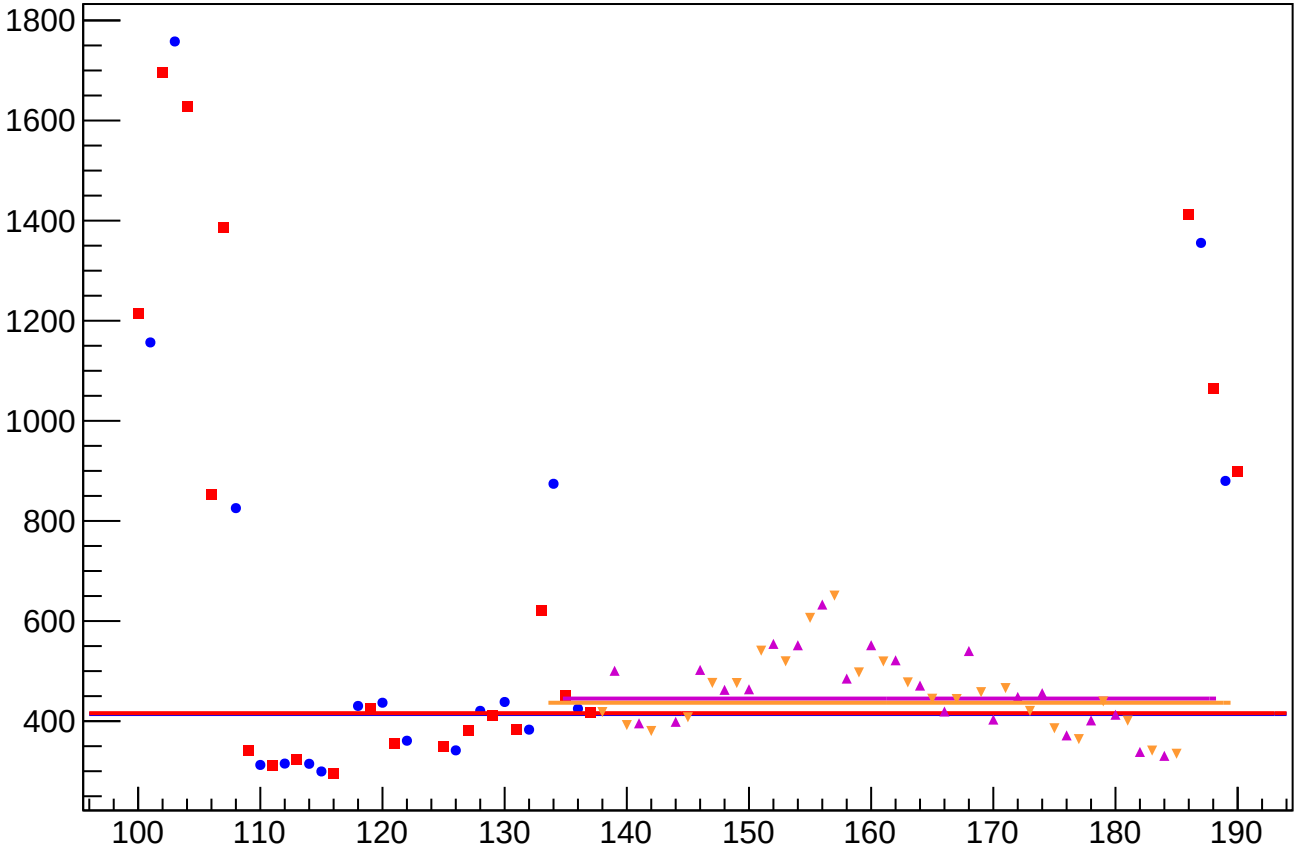
Right: 135.474+/-111.810 χ^2/NDF: 38.1/38

In: -12.021+/-88.073 χ^2/NDF:47.7/40

Out: -137.513+/-85.955 χ^2/NDF:75.5/44

All: -76.294+/-61.514 χ^2/NDF: 124.2/85

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 414.213+/-0.113 χ^2/NDF: 2405479.0/17

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 415.948+/-0.110 χ^2/NDF: 3510010.4/20

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

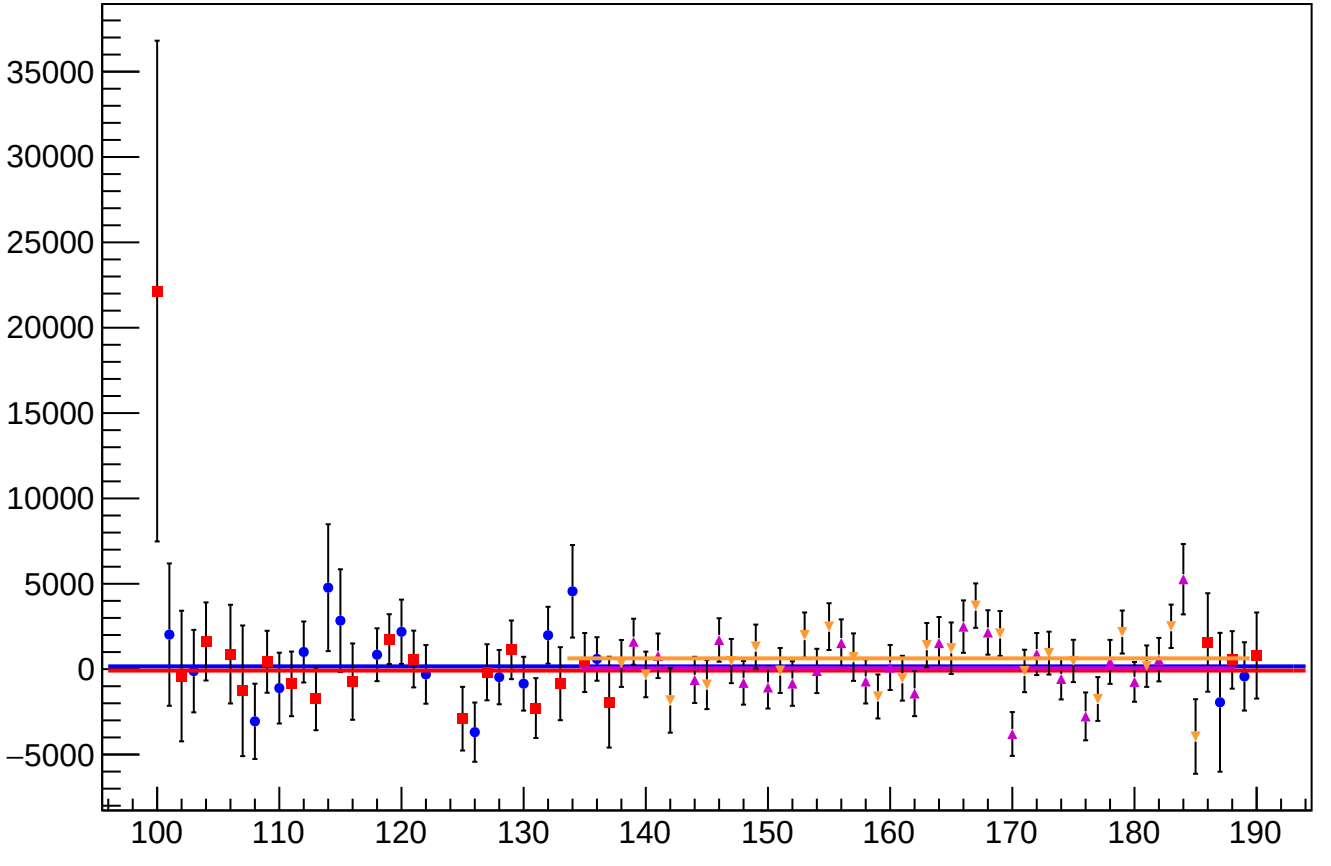
Right: 415.104+/-0.079 χ^2/NDF: 5915609.6/38

In: 435.777+/-0.062 χ^2/NDF:3331929.5/40

Out: 430.466+/-0.061 χ^2/NDF:4390087.1/44

All: 433.057+/-0.043 χ^2/NDF: 7725741.3/85

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 163.067+/-458.795 χ^2/NDF: 16.5/17

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -82.758+/-446.779 χ^2/NDF: 11.6/20

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

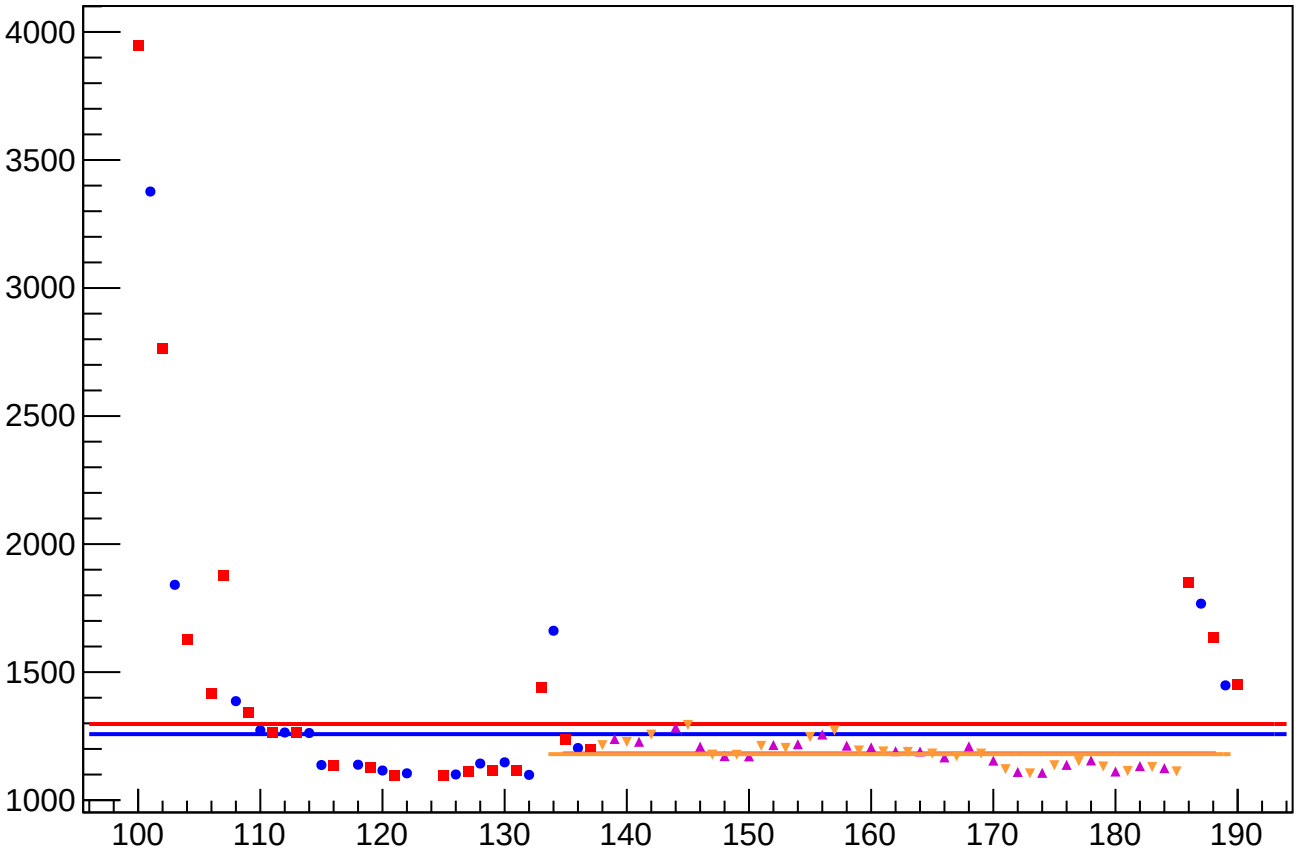
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 36.893+/-320.084 χ^2/NDF: 28.3/38

In: 80.692+/-236.637 χ^2/NDF:51.5/40

Out: 437.219+/-233.611 χ^2/NDF:43.6/44

All: 261.250+/-166.247 χ^2/NDF: 96.3/85



Right In: 1257.797+/-0.324 χ^2/NDF: 834979.1/17

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1297.330+/-0.316 χ^2/NDF: 787839.2/20

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

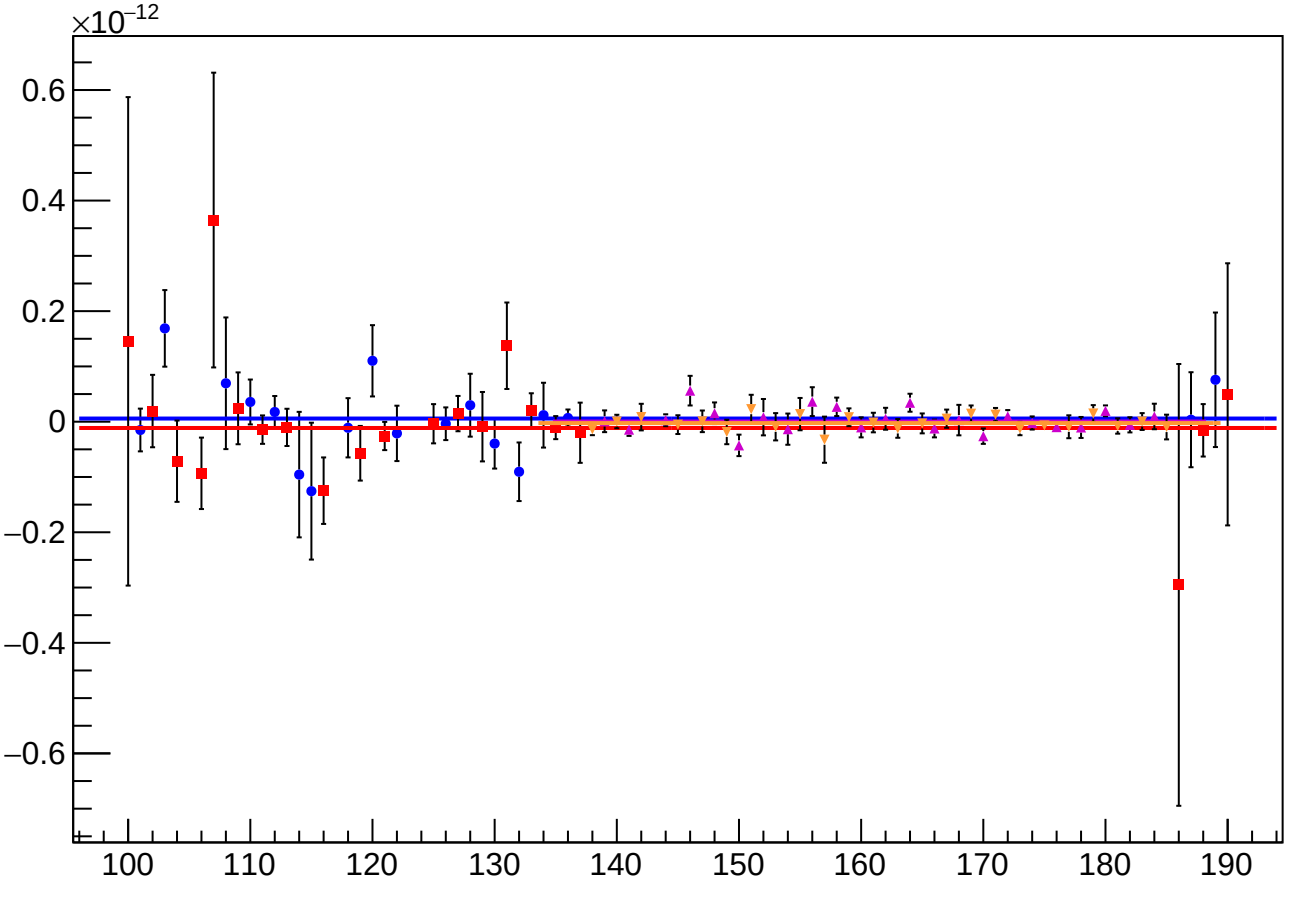
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1278.088+/-0.226 χ^2/NDF: 1630440.0/38

In: 1202.112+/-0.167 χ^2/NDF:935476.5/40

Out: 1211.870+/-0.165 χ^2/NDF:953218.8/44

All: 1207.054+/-0.118 χ^2/NDF: 1890417.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/20

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

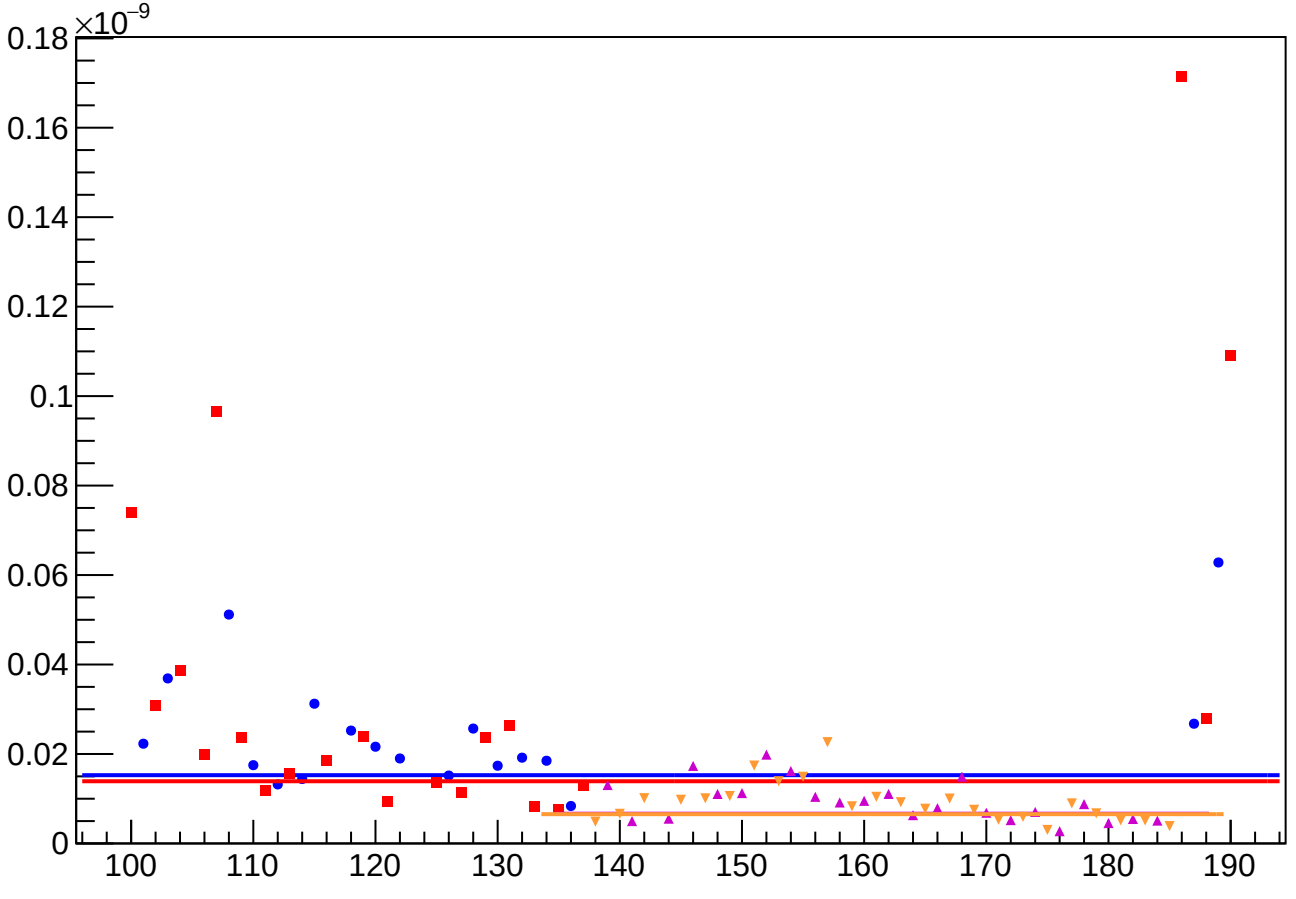
Right: -0.000+/-0.000 χ^2/NDF: 34.0/38

In: 0.000+/-0.000 χ^2/NDF:49.5/40

Out: -0.000+/-0.000 χ^2/NDF:26.9/44

All: -0.000+/-0.000 χ^2/NDF: 77.5/85

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1426964.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2005244.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

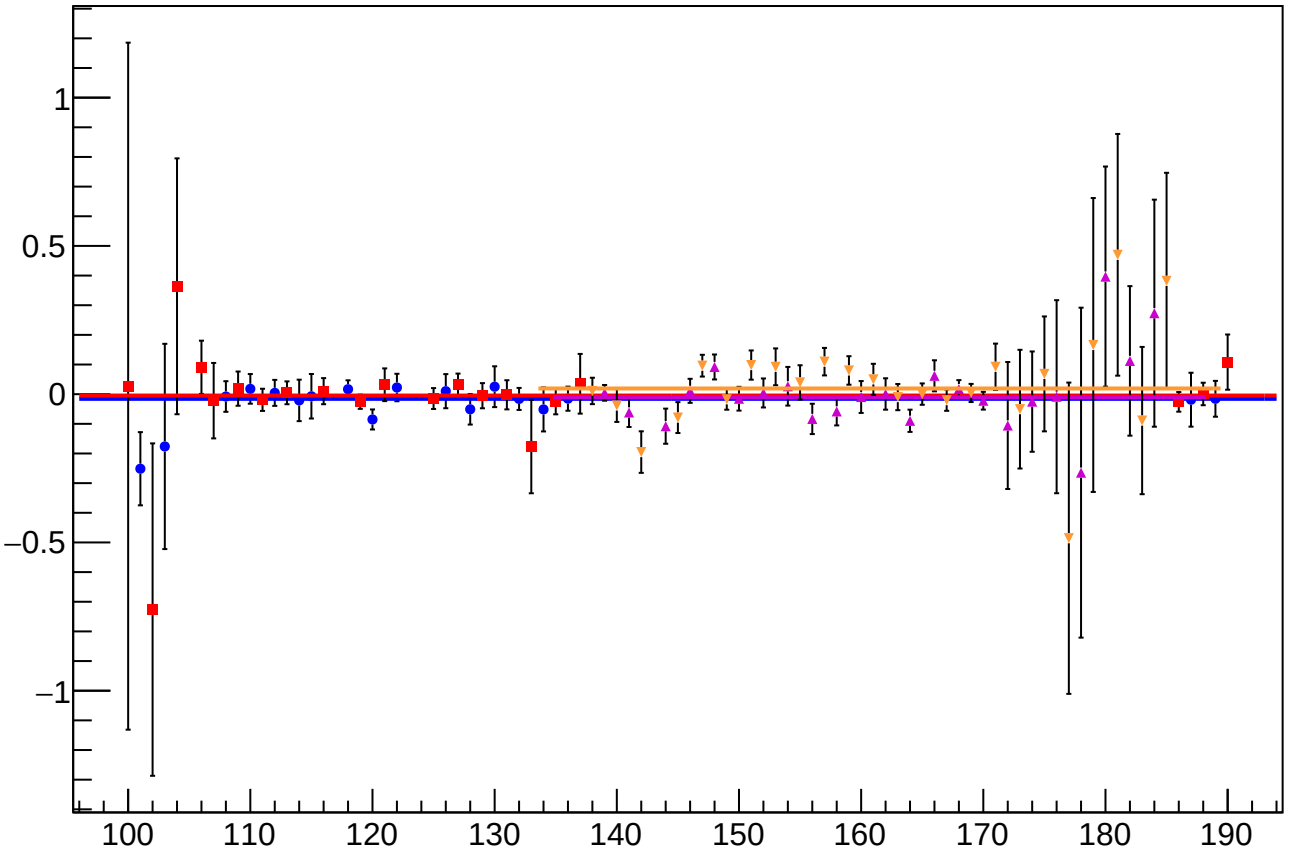
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 3453164.9/38

In: 0.000+/-0.000 χ^2/NDF:5440635.8/40

Out: 0.000+/-0.000 χ^2/NDF:5496314.0/44

All: 0.000+/-0.000 χ^2/NDF: 10941211.7/85



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

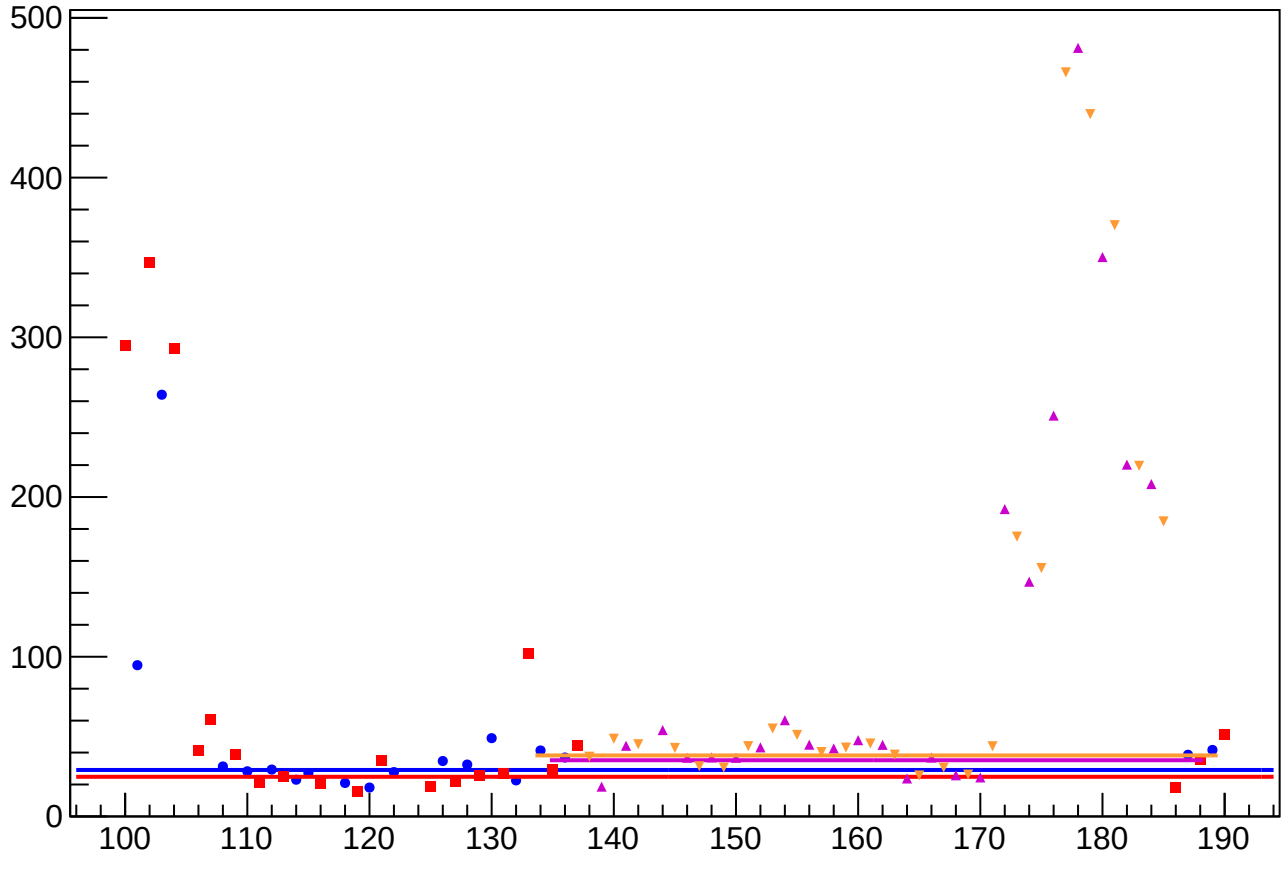
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.009+/-0.008 χ^2/NDF: 22.2/38

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.1/85



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

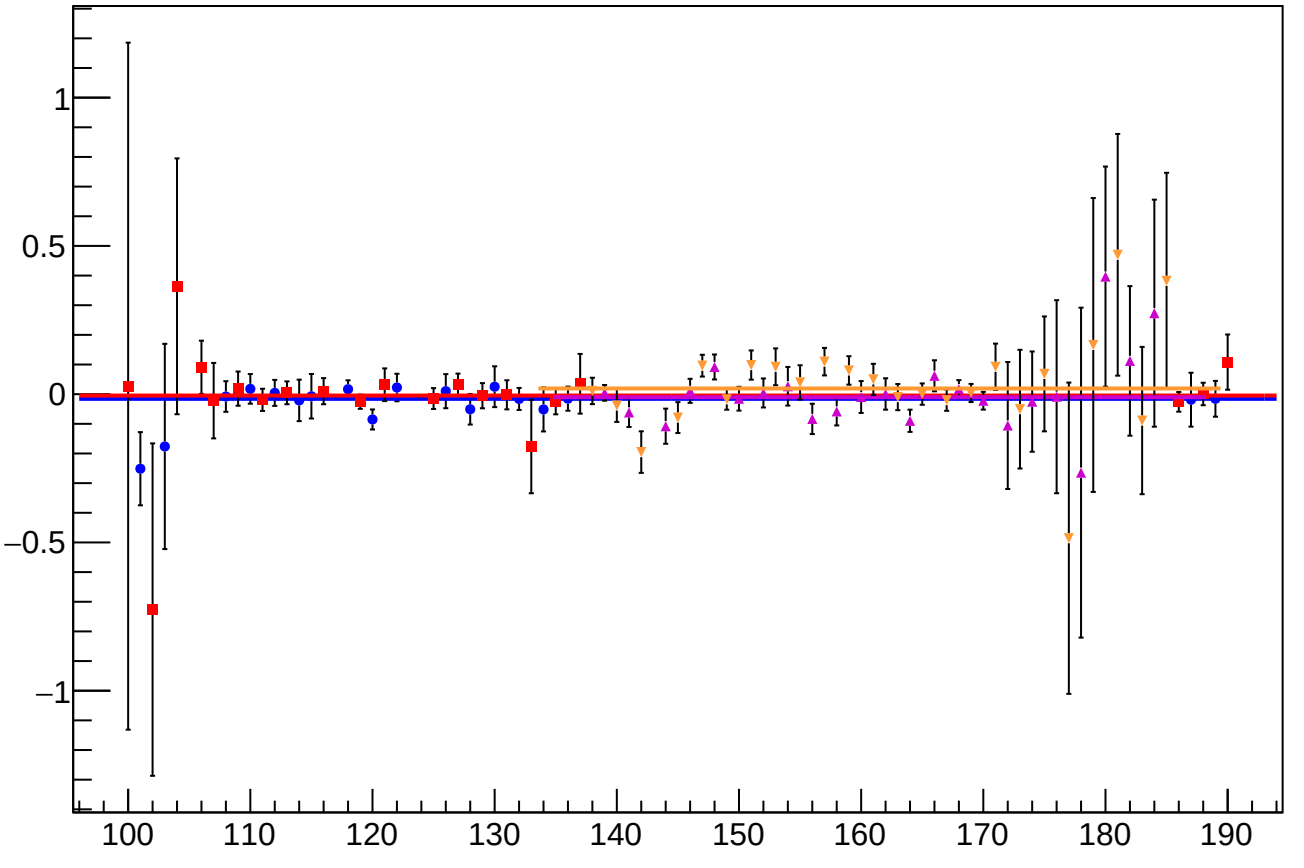
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 26.659+/-0.006 χ^2/NDF: 5847907.5/38

In: 32.612+/-0.006 χ^2/NDF:12049832.8/40

Out: 31.220+/-0.005 χ^2/NDF:13228009.0/44

All: 31.887+/-0.004 χ^2/NDF: 25311106.7/85



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

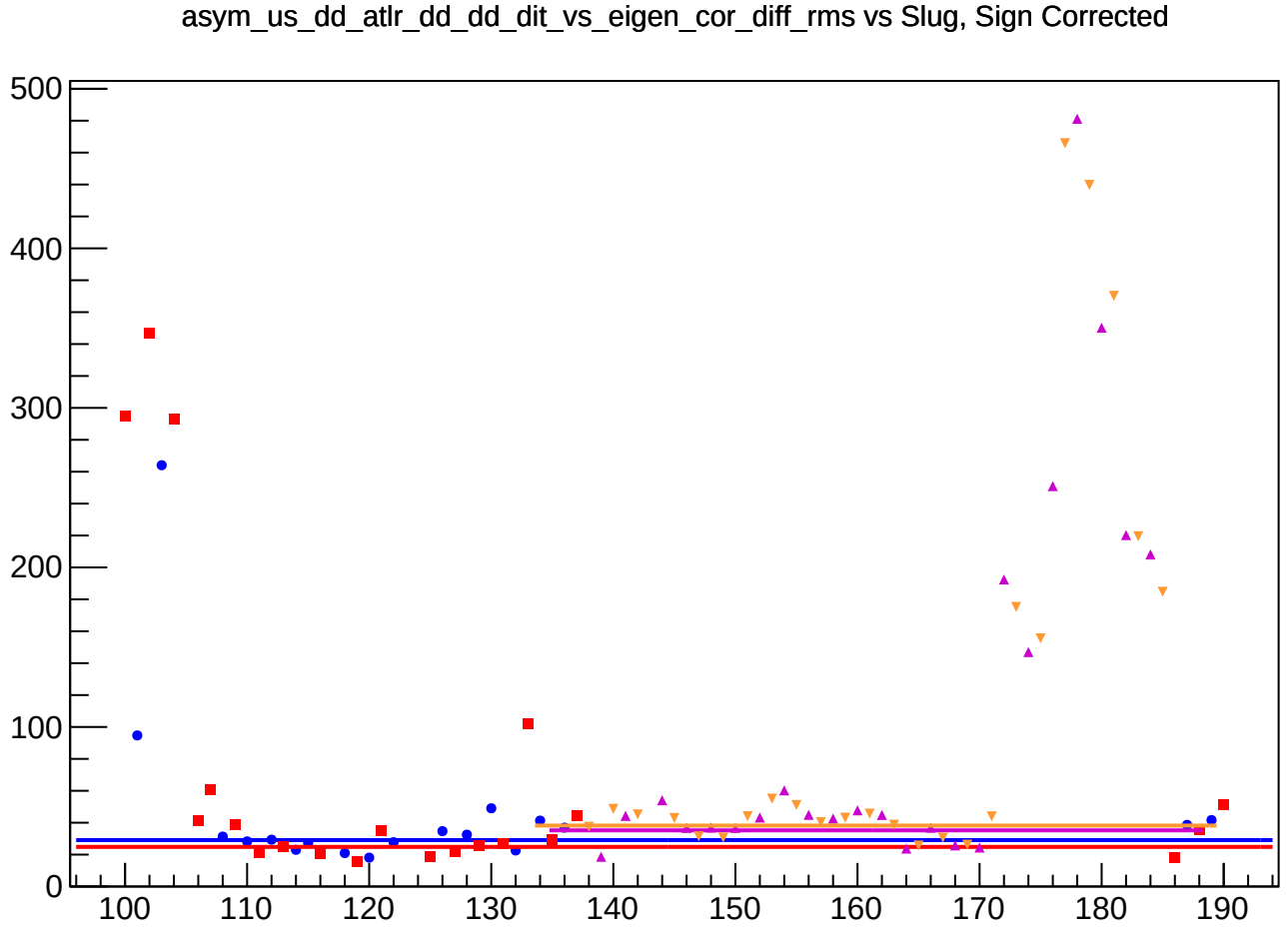
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.009+/-0.008 χ^2/NDF: 22.2/38

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.1/85



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

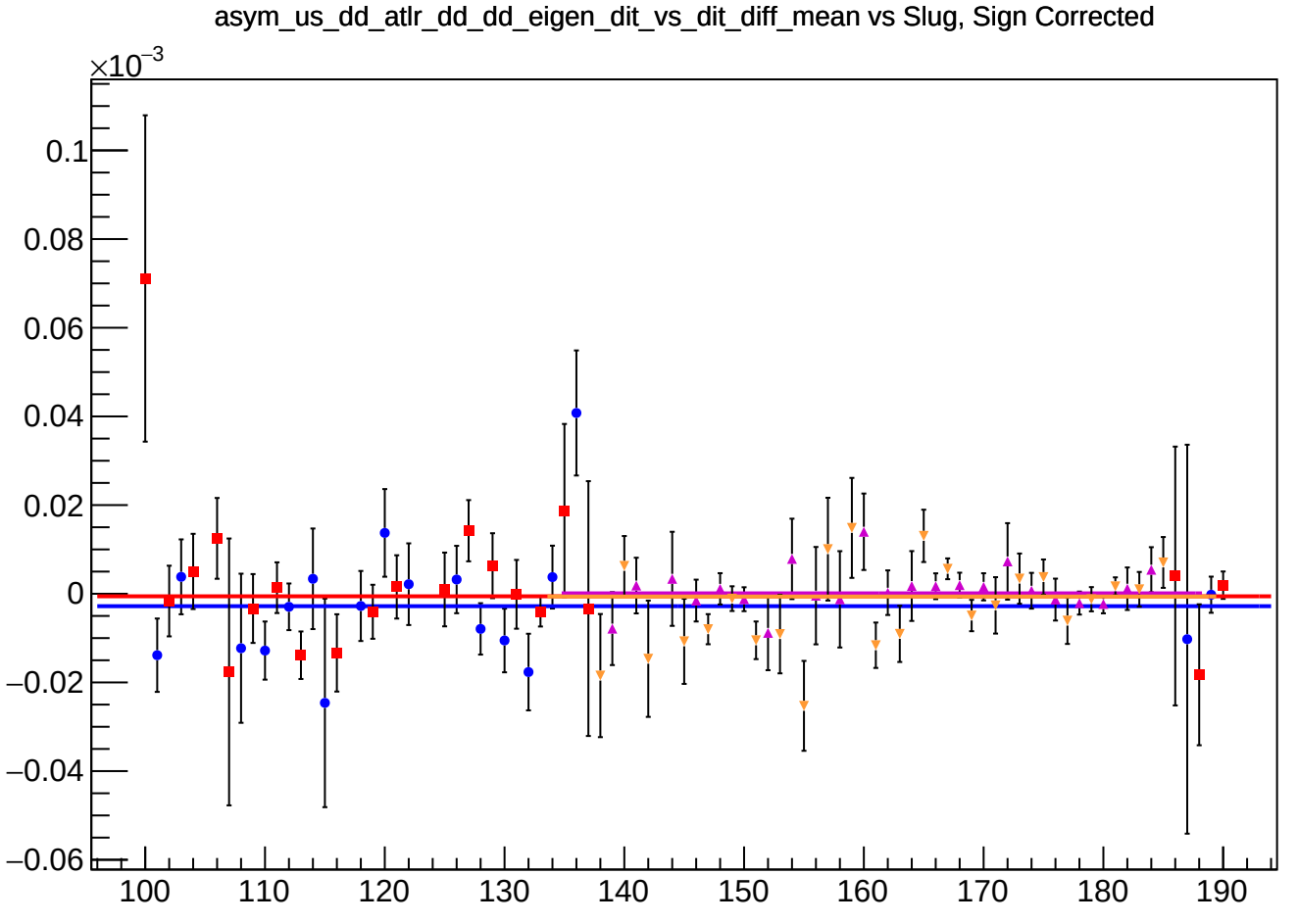
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 26.659+/-0.006 χ^2/NDF: 5847907.5/38

In: 32.612+/-0.006 χ^2/NDF:12049832.8/40

Out: 31.220+/-0.005 χ^2/NDF:13228009.0/44

All: 31.887+/-0.004 χ^2/NDF: 25311106.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/20

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

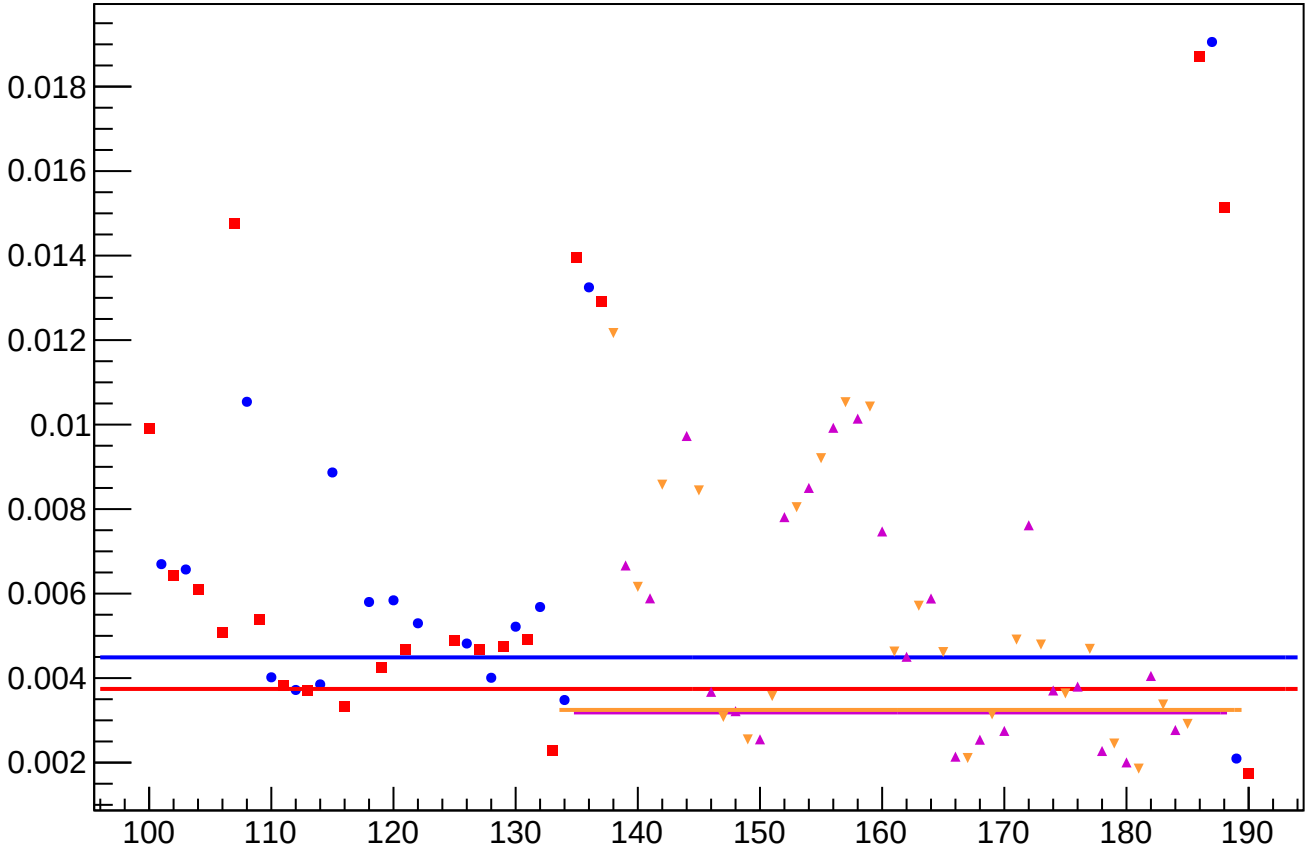
Right: -0.000+/-0.000 χ^2/NDF: 51.6/38

In: -0.000+/-0.000 χ^2/NDF:38.7/40

Out: -0.000+/-0.000 χ^2/NDF:76.2/44

All: -0.000+/-0.000 χ^2/NDF: 114.9/85

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2557718.9/17

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 4563803.5/20

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

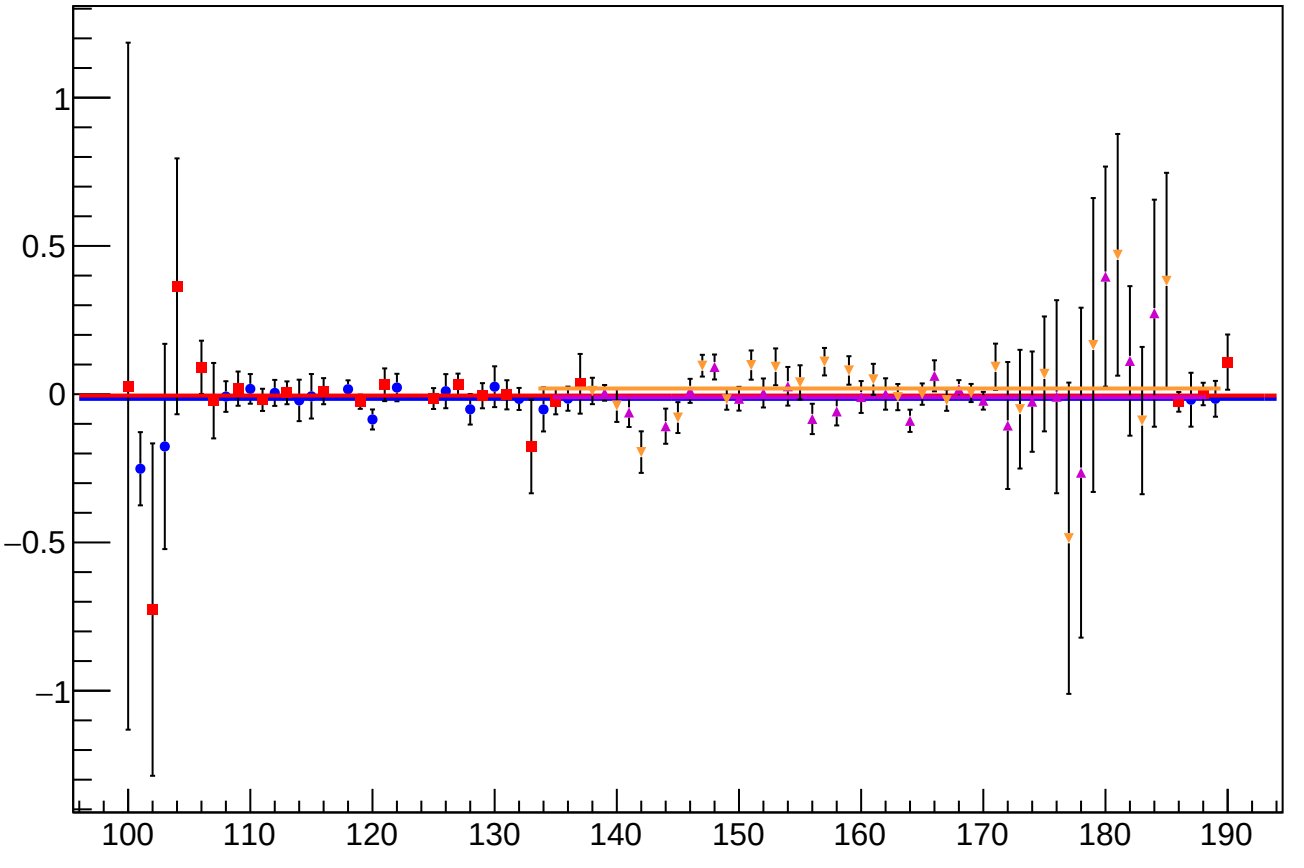
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.004+/-0.000 χ^2/NDF: 7325499.4/38

In: 0.003+/-0.000 χ^2/NDF:10703942.9/40

Out: 0.003+/-0.000 χ^2/NDF:12468608.9/44

All: 0.003+/-0.000 χ^2/NDF: 23177543.3/85



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

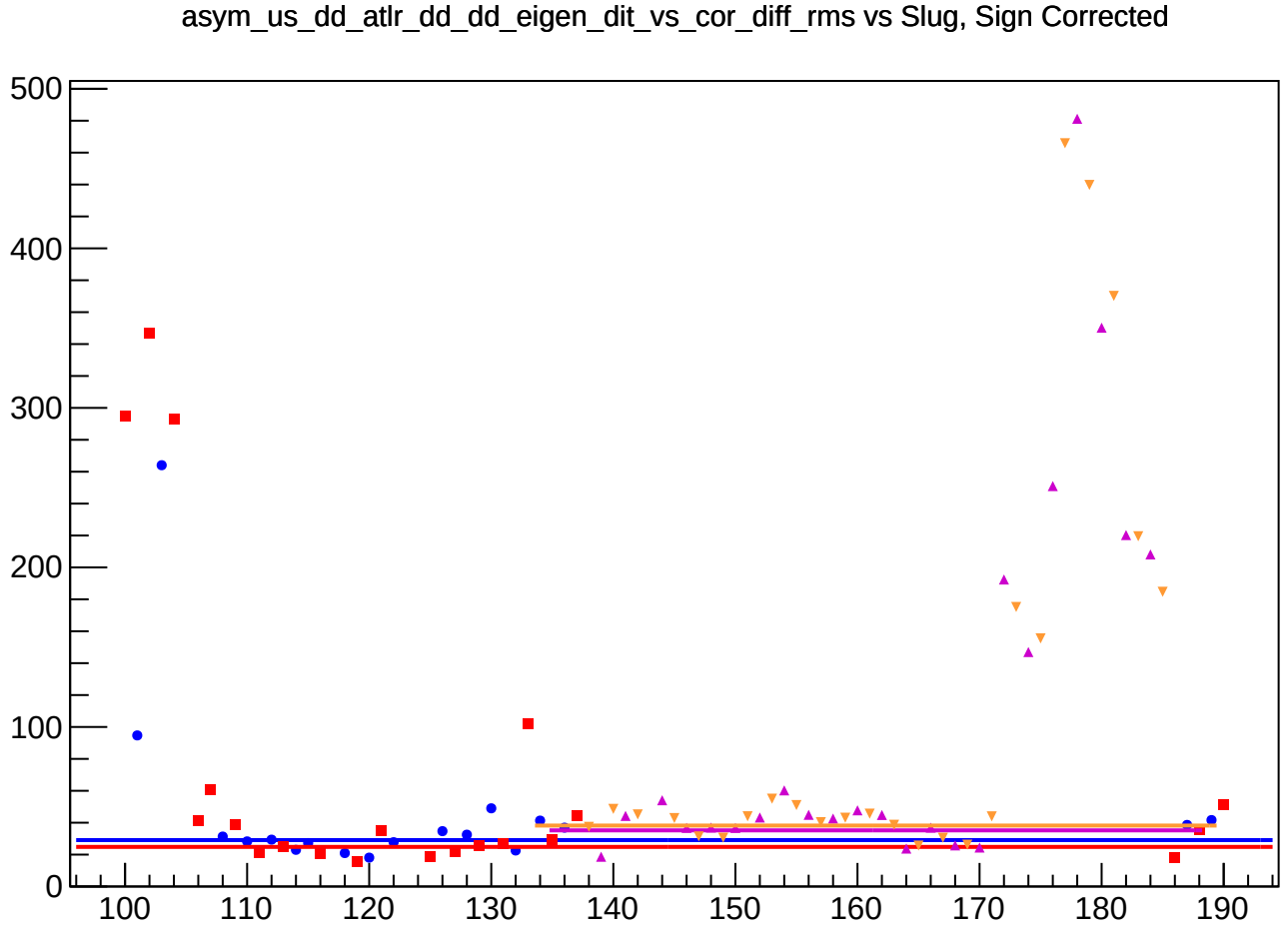
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.009+/-0.008 χ^2/NDF: 22.2/38

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.1/85



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

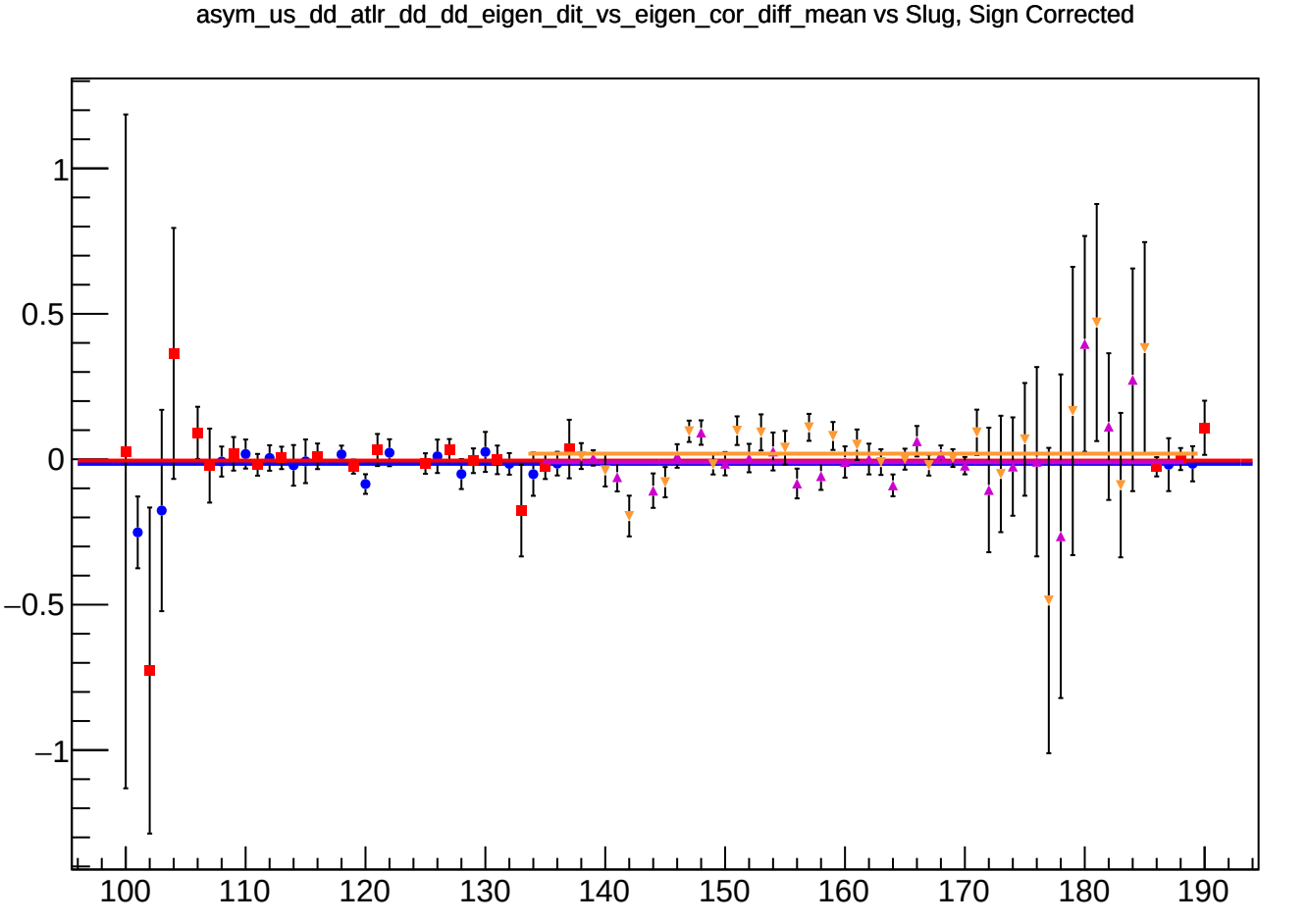
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 26.657+/-0.006 χ^2/NDF: 5848271.9/38

In: 32.611+/-0.006 χ^2/NDF:12050235.2/40

Out: 31.219+/-0.005 χ^2/NDF:13228931.8/44

All: 31.886+/-0.004 χ^2/NDF: 25312499.4/85



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

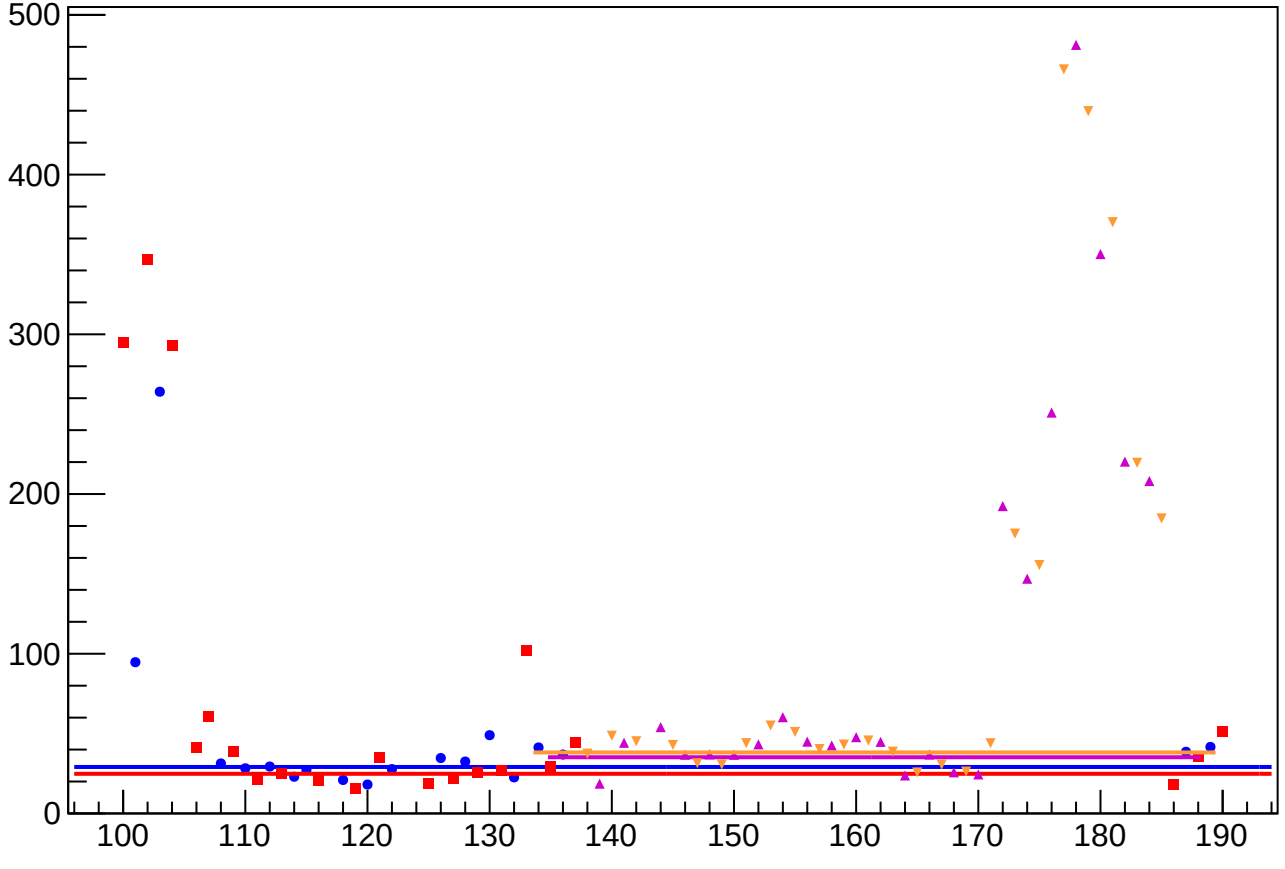
Right: -0.009+/-0.008 χ^2/NDF: 22.2/38

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.1/85

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

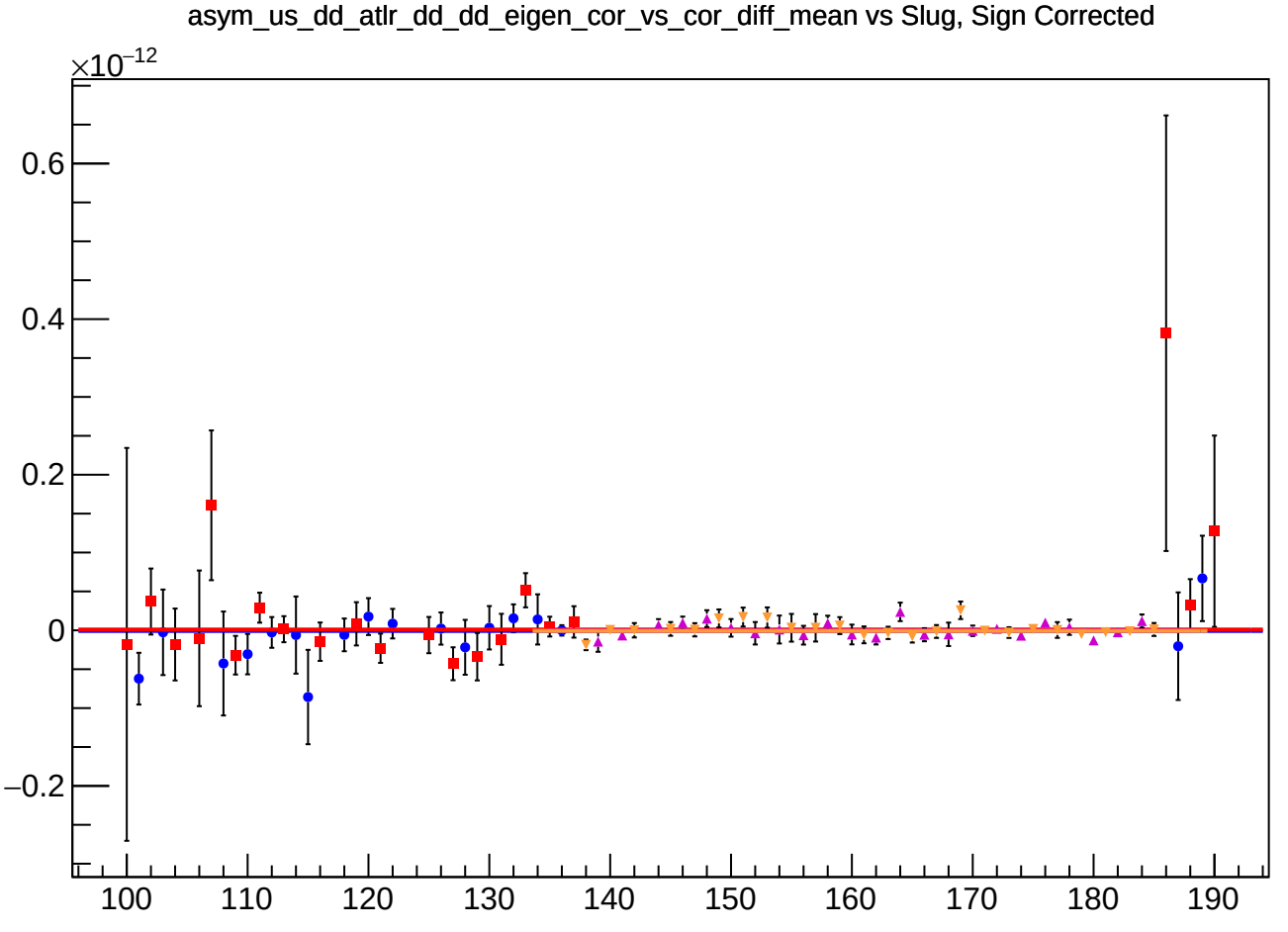
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 26.657+/-0.006 χ^2/NDF: 5848271.9/38

In: 32.611+/-0.006 χ^2/NDF:12050235.2/40

Out: 31.219+/-0.005 χ^2/NDF:13228931.8/44

All: 31.886+/-0.004 χ^2/NDF: 25312499.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/20

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

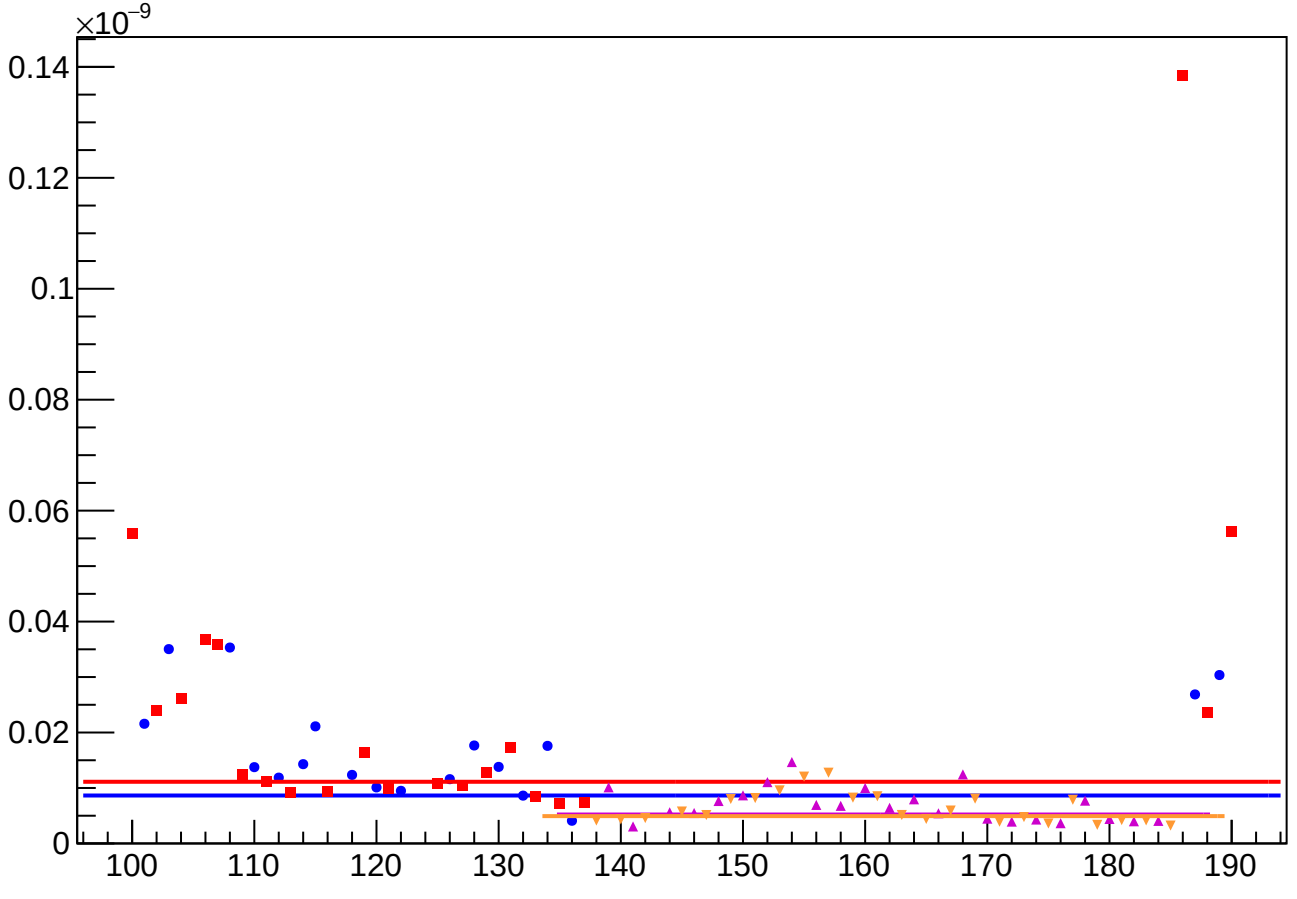
Right: -0.000+/-0.000 χ^2/NDF: 36.1/38

In: -0.000+/-0.000 χ^2/NDF:37.3/40

Out: -0.000+/-0.000 χ^2/NDF:46.2/44

All: -0.000+/-0.000 χ^2/NDF: 83.5/85

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3167538.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2221991.6/20

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

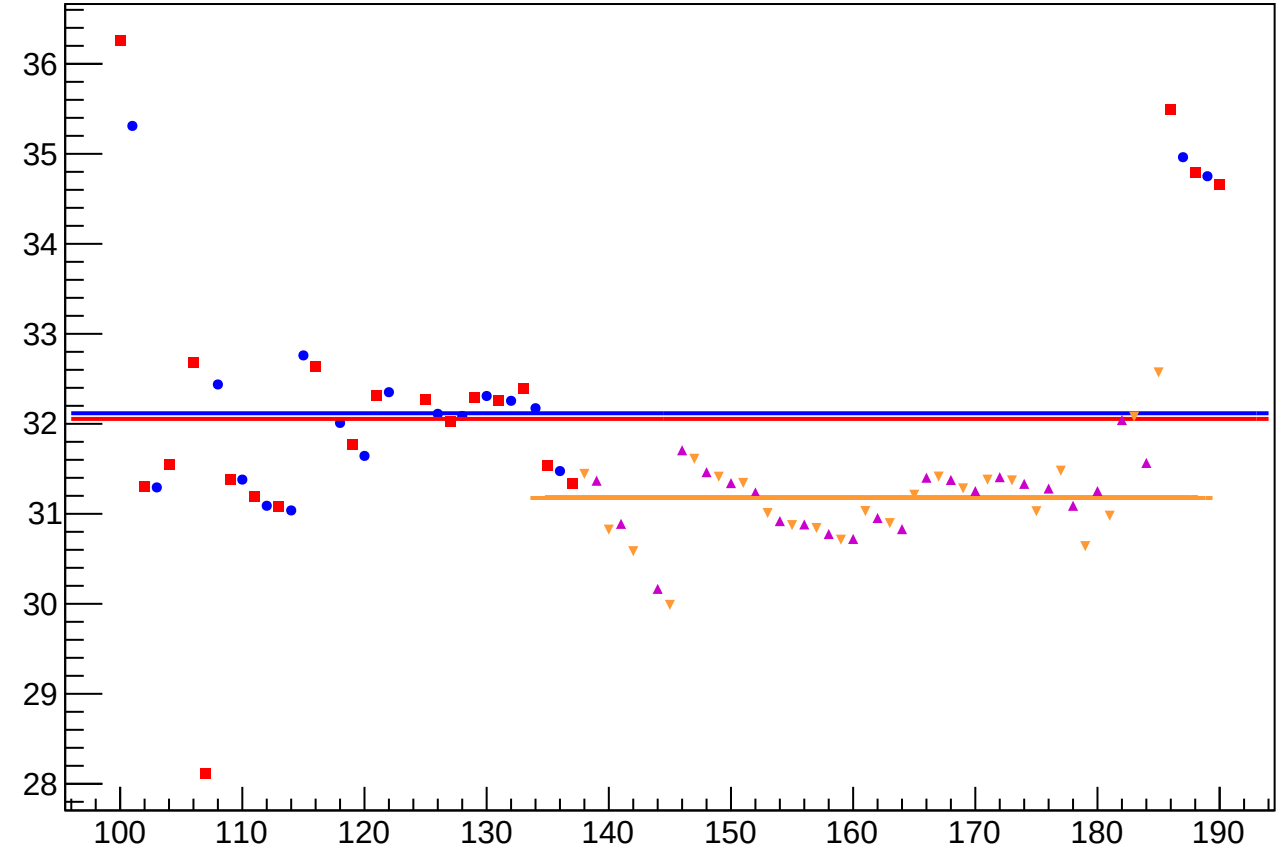
Right: 0.000+/-0.000 χ^2/NDF: 5620327.4/38

In: 0.000+/-0.000 χ^2/NDF:7547810.7/40

Out: 0.000+/-0.000 χ^2/NDF:7174165.9/44

All: 0.000+/-0.000 χ^2/NDF: 14737393.2/85

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.117+/-0.000 χ^2/NDF: 1158409623.7/17

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.055+/-0.000 χ^2/NDF: 1200863028.5/20

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

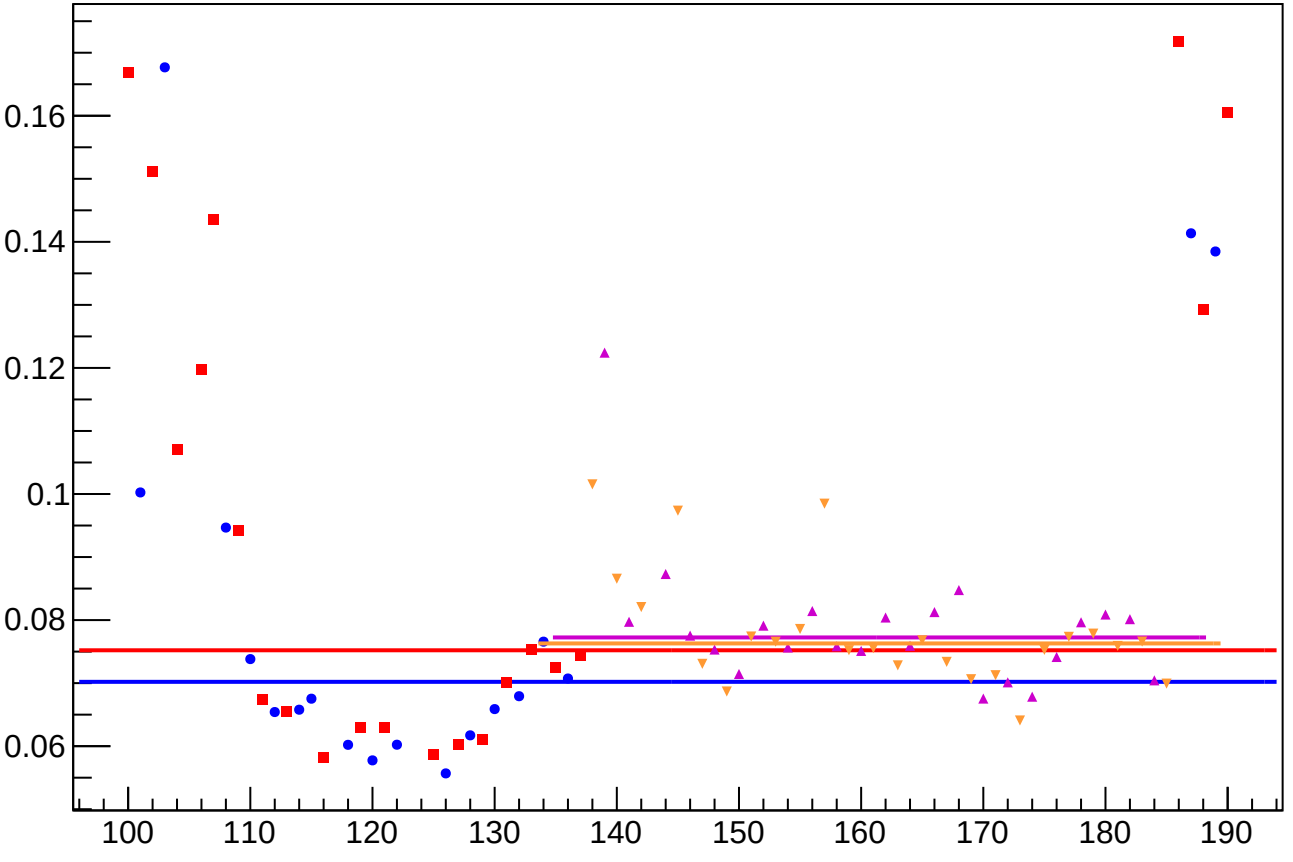
Right: 32.087+/-0.000 χ^2/NDF: 2361919357.5/38

In: 31.491+/-0.000 χ^2/NDF:2339751215.8/40

Out: 31.453+/-0.000 χ^2/NDF:2431154818.9/44

All: 31.472+/-0.000 χ^2/NDF: 4773975285.2/8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.070+/-0.000 χ^2/NDF: 1045528.0/17

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.075+/-0.000 χ^2/NDF: 1682976.6/20

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

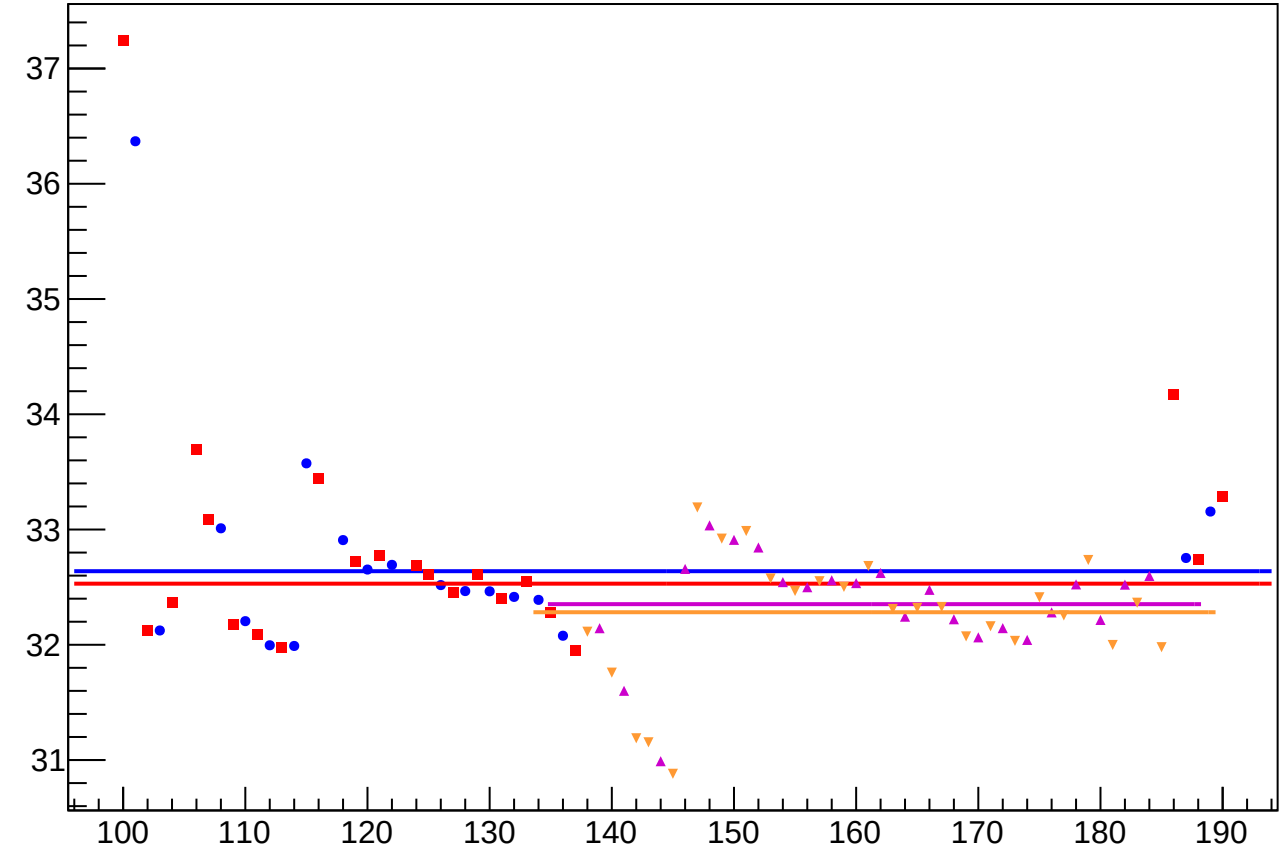
Right: 0.073+/-0.000 χ^2/NDF: 2762265.1/38

In: 0.075+/-0.000 χ^2/NDF:1501757.0/40

Out: 0.076+/-0.000 χ^2/NDF:2041810.8/44

All: 0.075+/-0.000 χ^2/NDF: 3548074.6/85

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.638+/-0.000 χ^2/NDF: 744771316.2/17

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.530+/-0.000 χ^2/NDF: 216829865.7/21

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

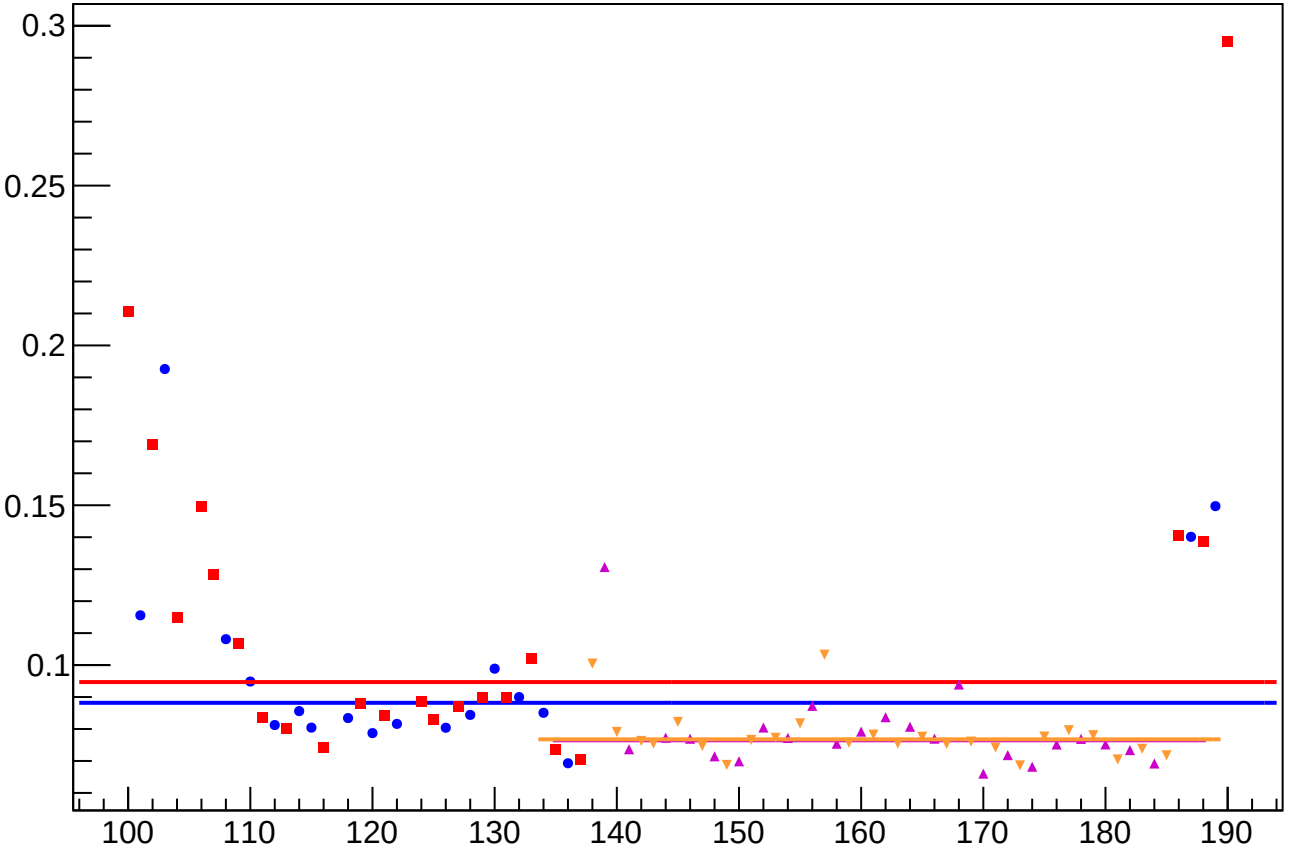
Right: 32.585+/-0.000 χ^2/NDF: 966687479.1/39

In: 32.419+/-0.000 χ^2/NDF:1389444054.8/40

Out: 32.338+/-0.000 χ^2/NDF:1096942182.9/46

All: 32.378+/-0.000 χ^2/NDF: 2498972399.5/8

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF: 803415.8/17

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.095+/-0.000 χ^2/NDF: 1214391.0/21

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

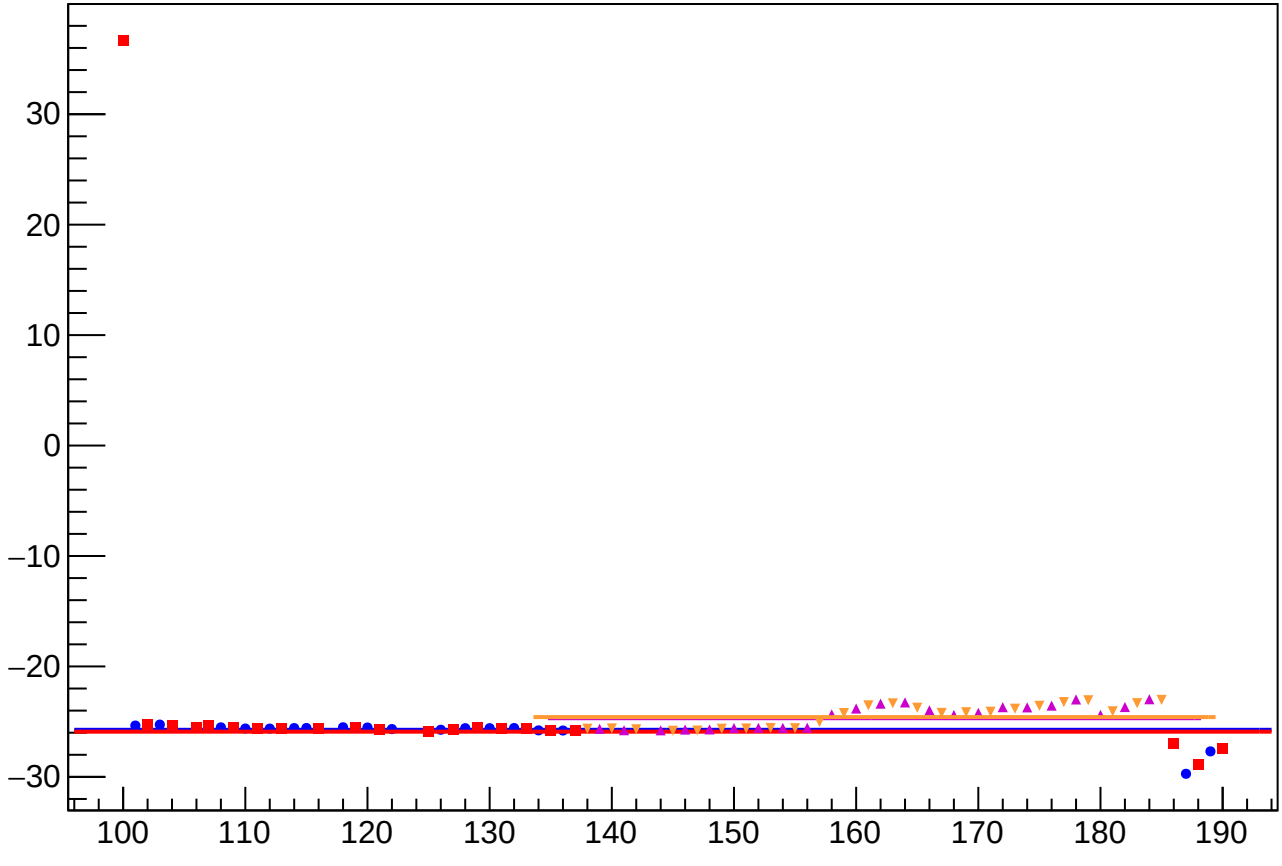
Right: 0.091+/-0.000 χ^2/NDF: 2054337.6/39

In: 0.079+/-0.000 χ^2/NDF:1470242.6/40

Out: 0.081+/-0.000 χ^2/NDF:1895220.2/46

All: 0.080+/-0.000 χ^2/NDF: 3374876.4/87

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.737+/-0.000 χ^2/NDF: 1995035888.2/17

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.906+/-0.000 χ^2/NDF: 13171125040.1/20

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

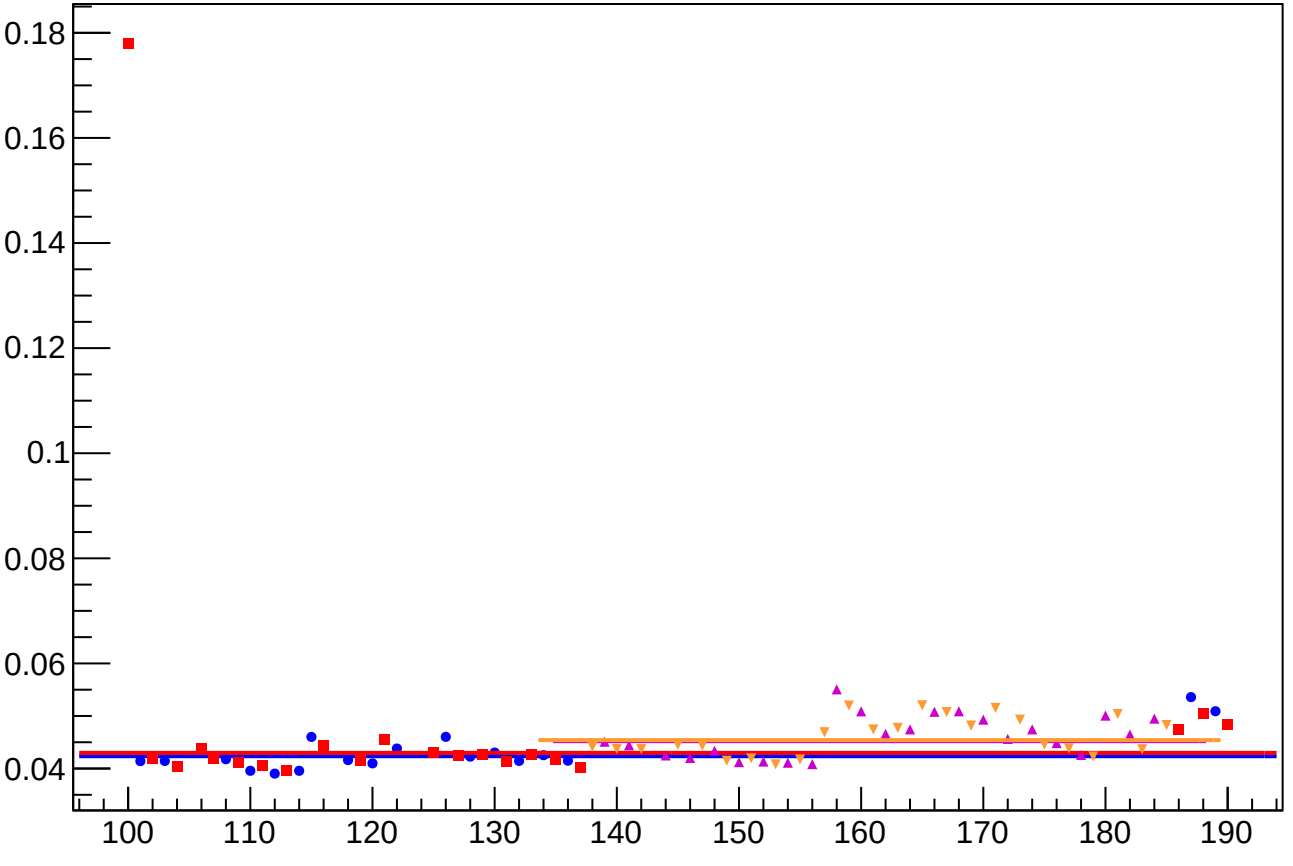
Right: -25.825+/-0.000 χ^2/NDF: 15231457470.0/38

In: -25.039+/-0.000 χ^2/NDF:14016661255.0/40

Out: -25.056+/-0.000 χ^2/NDF:27748378291.9/44

All: -25.048+/-0.000 χ^2/NDF: 41766797202.3

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 69408.4/17

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.043+/-0.000 χ^2/NDF: 166648.5/20

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

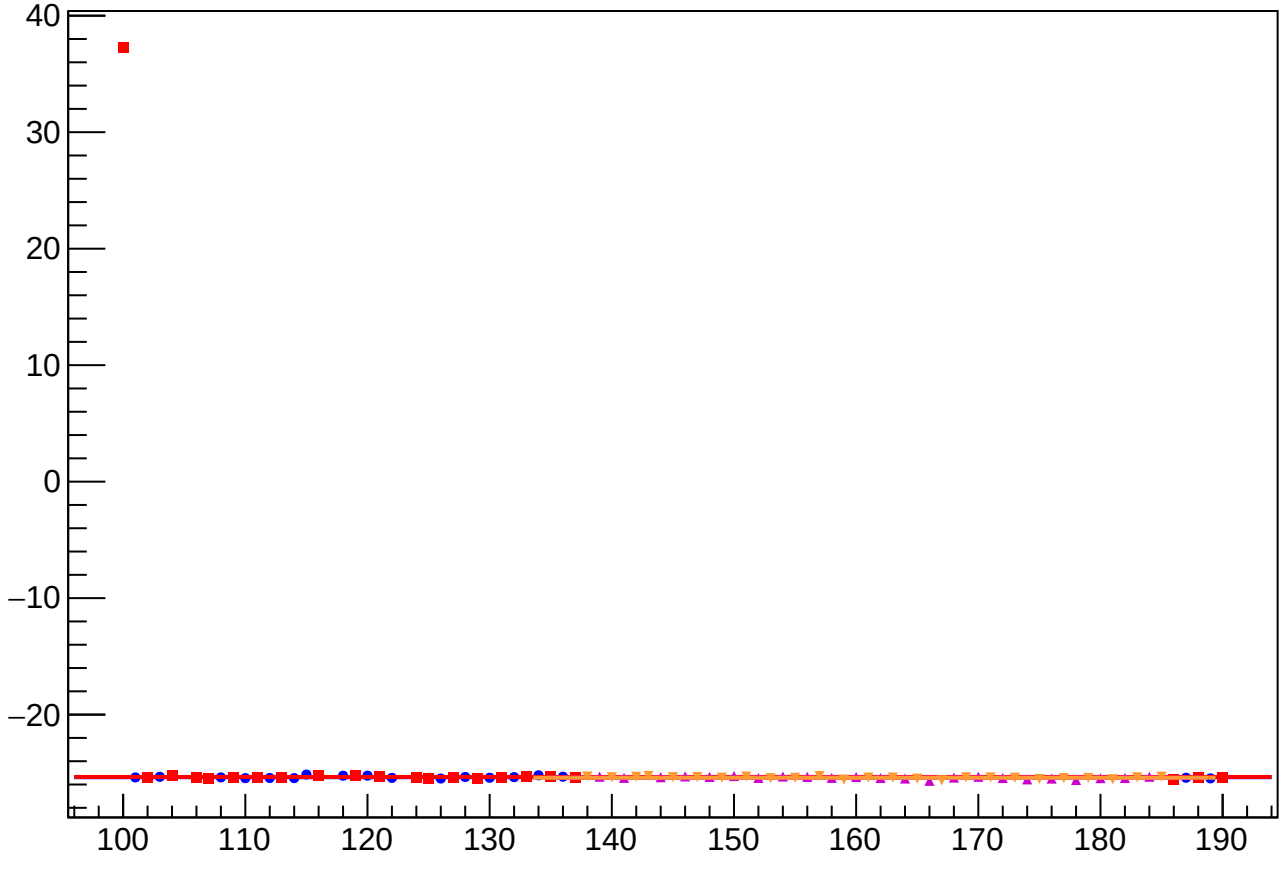
Right: 0.043+/-0.000 χ^2/NDF: 237934.1/38

In: 0.044+/-0.000 χ^2/NDF:361792.2/40

Out: 0.045+/-0.000 χ^2/NDF:408546.4/44

All: 0.044+/-0.000 χ^2/NDF: 771505.6/85

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.373+/-0.000 χ^2/NDF: 16083627.2/17

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.350+/-0.000 χ^2/NDF: 6324721422.7/21

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

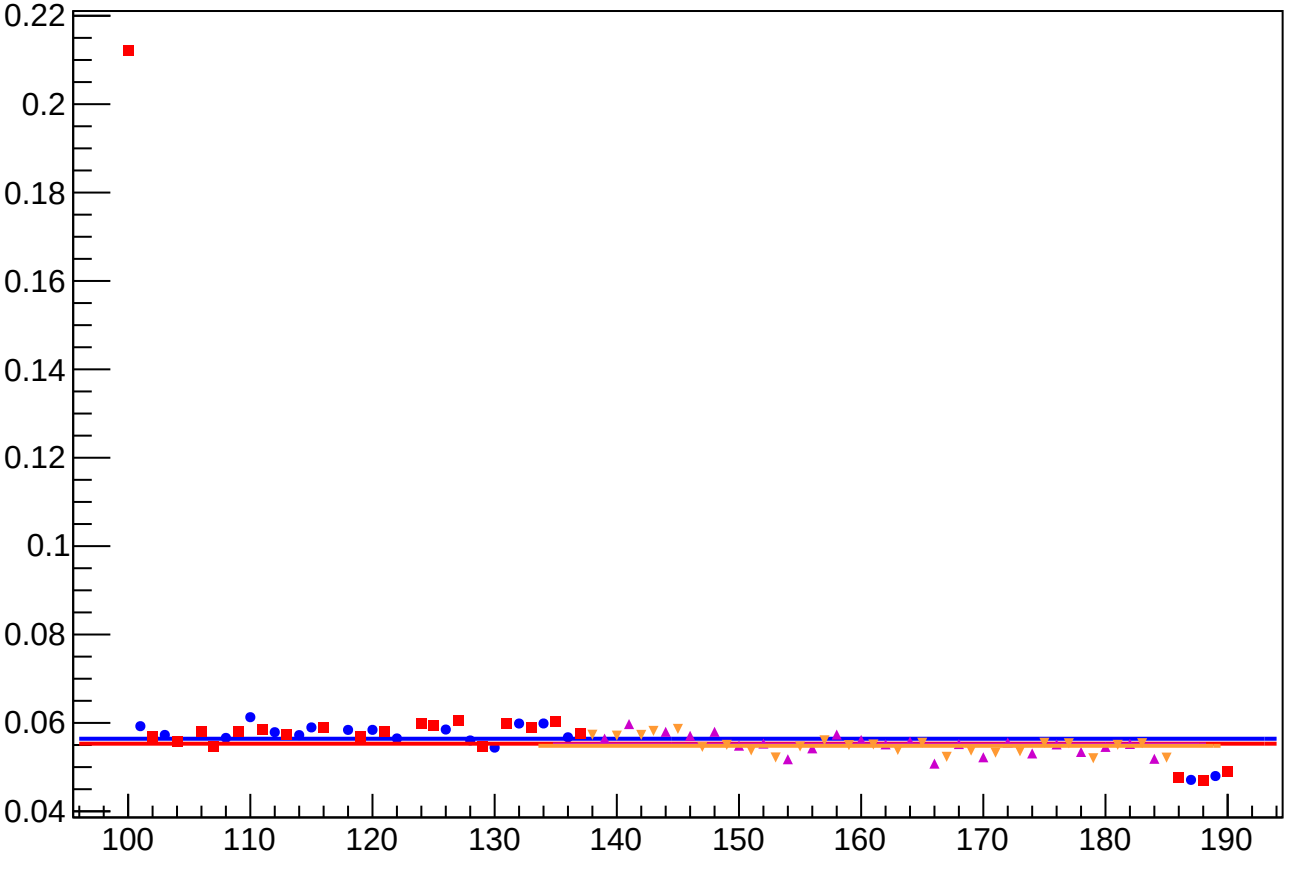
Right: -25.361+/-0.000 χ^2/NDF: 6341477735.3/39

In: -25.402+/-0.000 χ^2/NDF:74844716.1/40

Out: -25.396+/-0.000 χ^2/NDF:6385664867.7/46

All: -25.399+/-0.000 χ^2/NDF: 6460690241.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF: 65447.1/17

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.055+/-0.000 χ^2/NDF: 211216.5/21

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

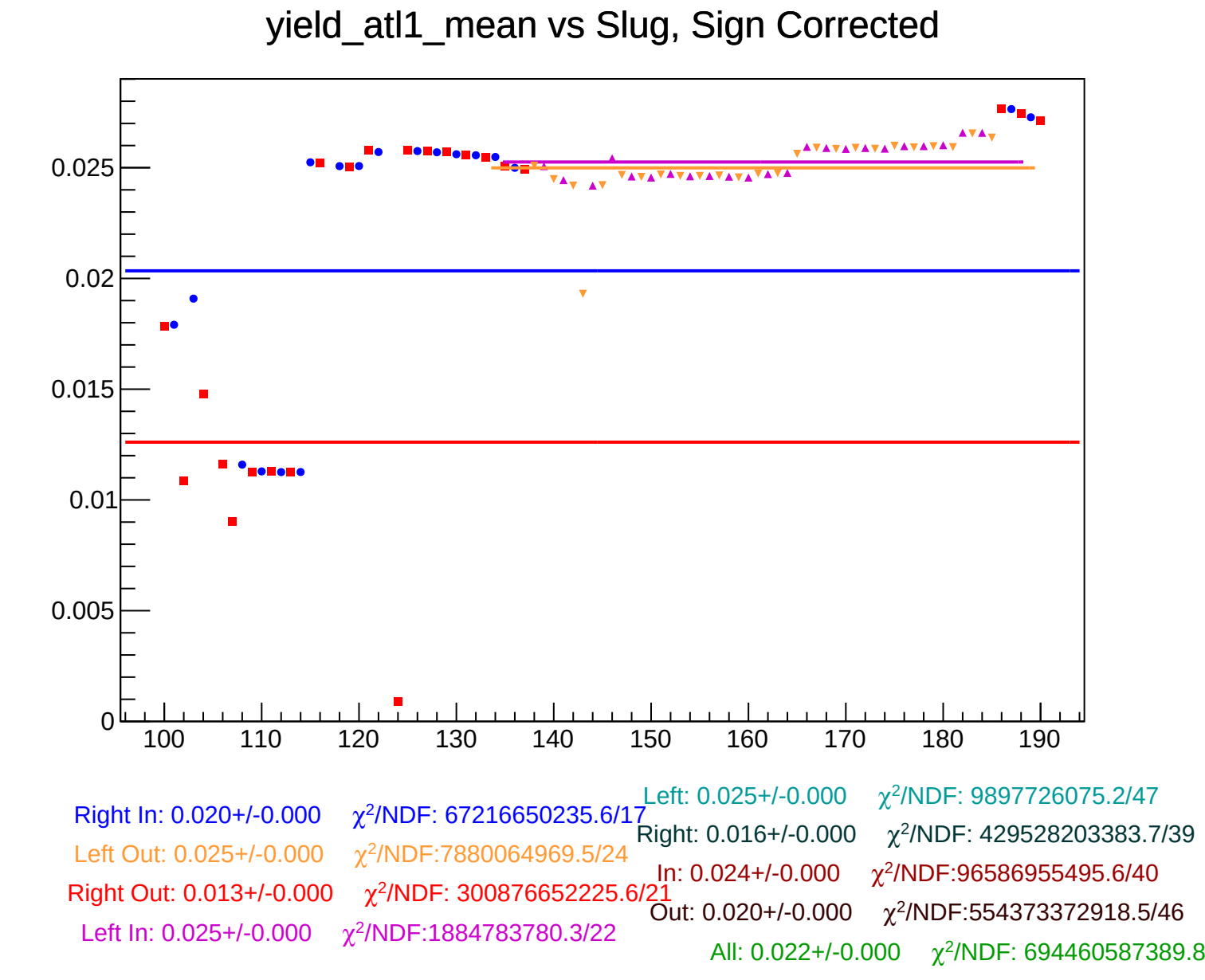
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

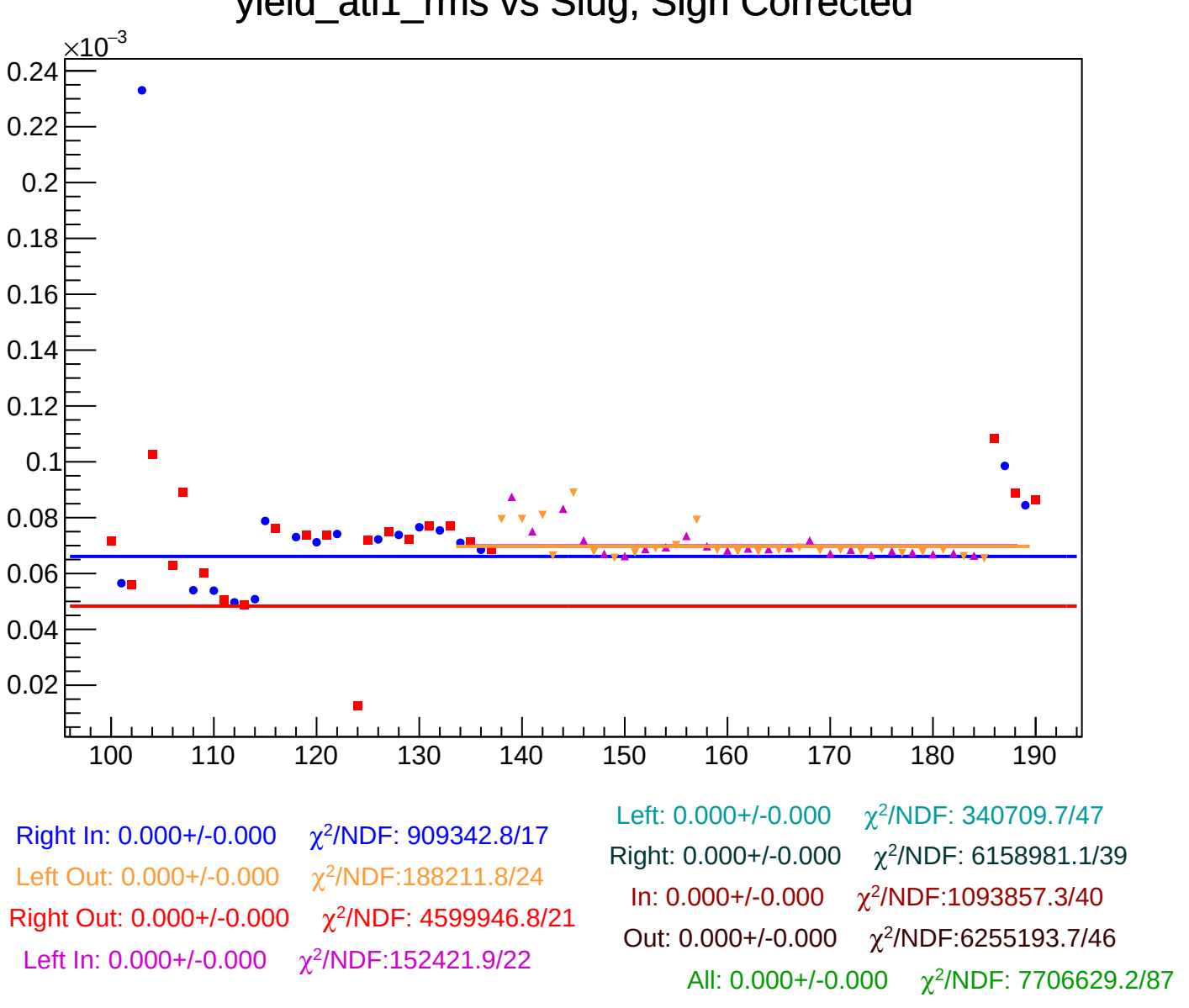
Right: 0.056+/-0.000 χ^2/NDF: 279949.5/39

In: 0.055+/-0.000 χ^2/NDF:122795.1/40

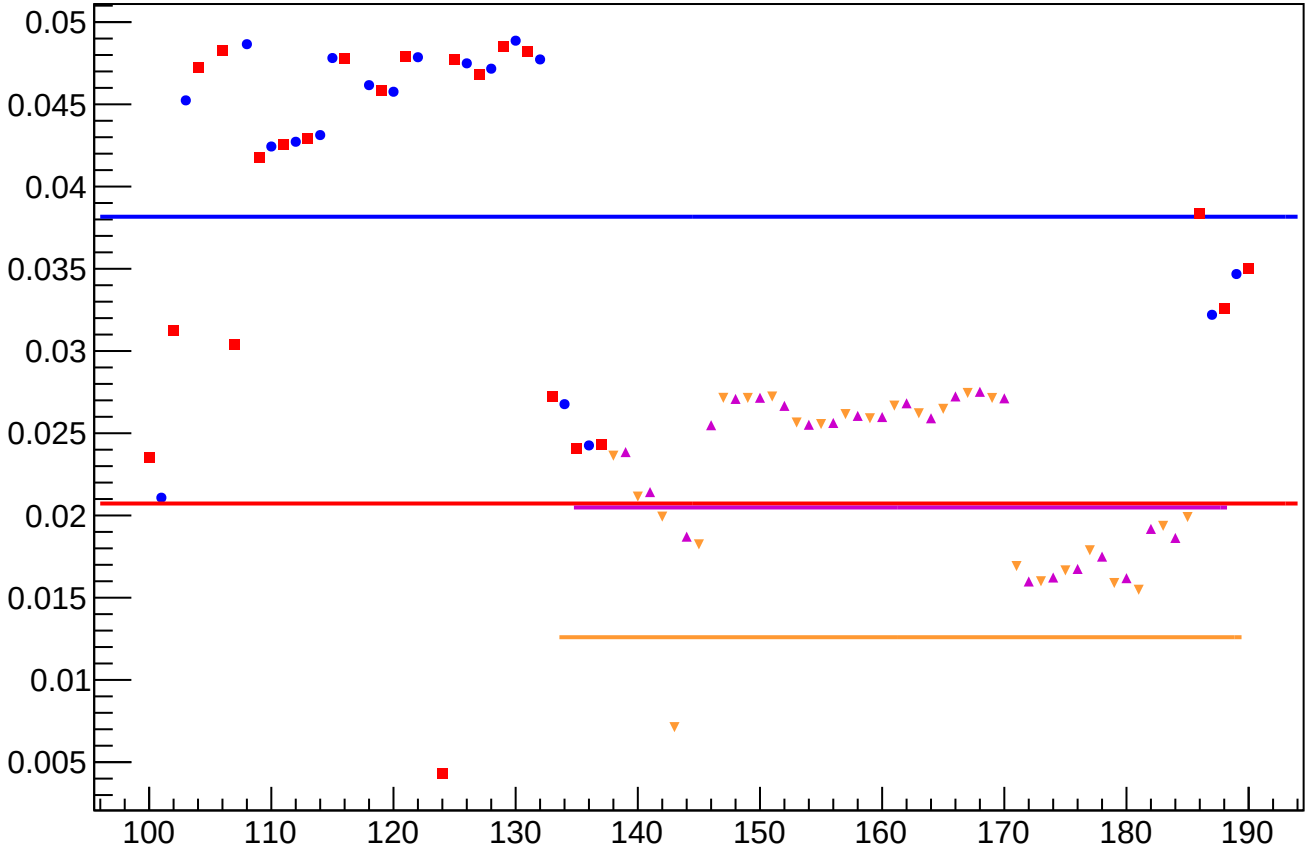
Out: 0.055+/-0.000 χ^2/NDF:250210.6/46

All: 0.055+/-0.000 χ^2/NDF: 375339.4/87


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.020+/-0.000 χ²/NDF: 67216650235.6/17
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.013+/-0.000 χ²/NDF: 300876652225.6/21
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.016+/-0.000 χ²/NDF: 429528203383.7/39
In: 0.024+/-0.000 χ²/NDF:96586955495.6/40
Out: 0.020+/-0.000 χ²/NDF:554373372918.5/46
All: 0.022+/-0.000 χ²/NDF: 694460587389.8


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 909342.8/17
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4599946.8/21
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 6158981.1/39
In: 0.000+/-0.000 χ²/NDF:1093857.3/40
Out: 0.000+/-0.000 χ²/NDF:6255193.7/46
All: 0.000+/-0.000 χ²/NDF: 7706629.2/87

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7138914592.7/17

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 43325268385.0/21

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

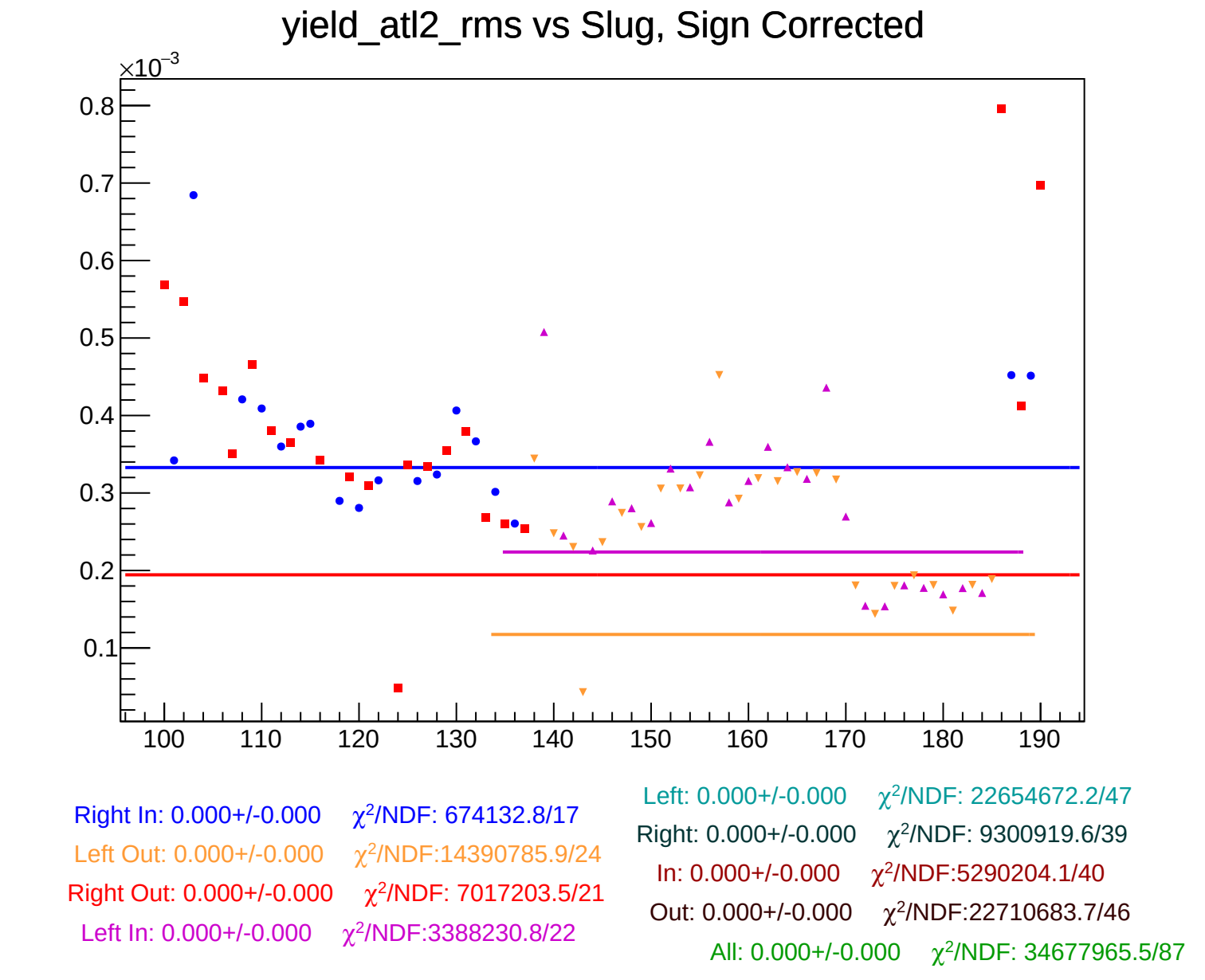
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.026+/-0.000 χ^2/NDF: 63234348619.1/39

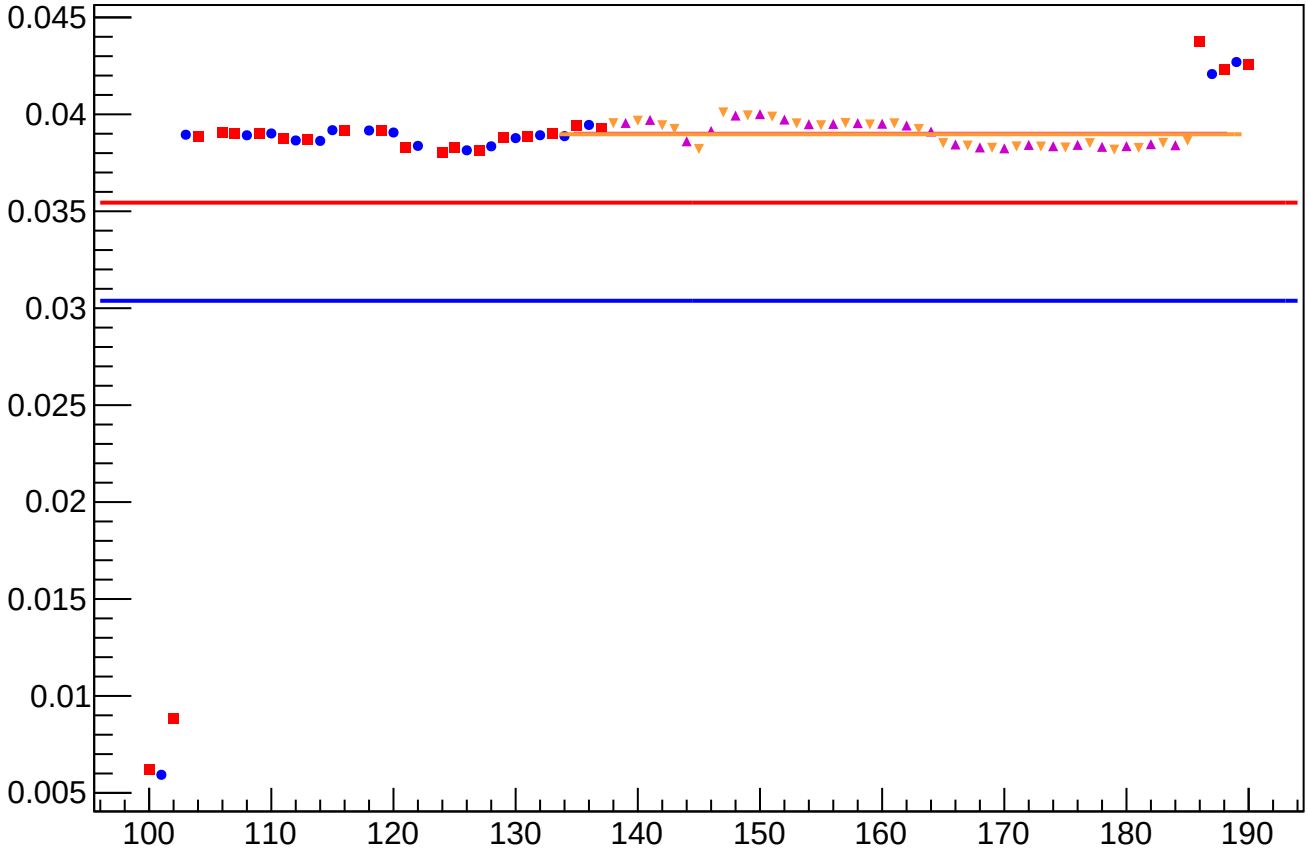
In: 0.024+/-0.000 χ^2/NDF:29387663222.4/40

Out: 0.014+/-0.000 χ^2/NDF:87928245966.3/46

All: 0.017+/-0.000 χ^2/NDF: 141702049991.5


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 674132.8/17
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7017203.5/21
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: 9300919.6/39
In: 0.000+/-0.000 χ²/NDF:5290204.1/40
Out: 0.000+/-0.000 χ²/NDF:22710683.7/46
All: 0.000+/-0.000 χ²/NDF: 34677965.5/87

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 110883577952.2/17

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 49599915997.8/21

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

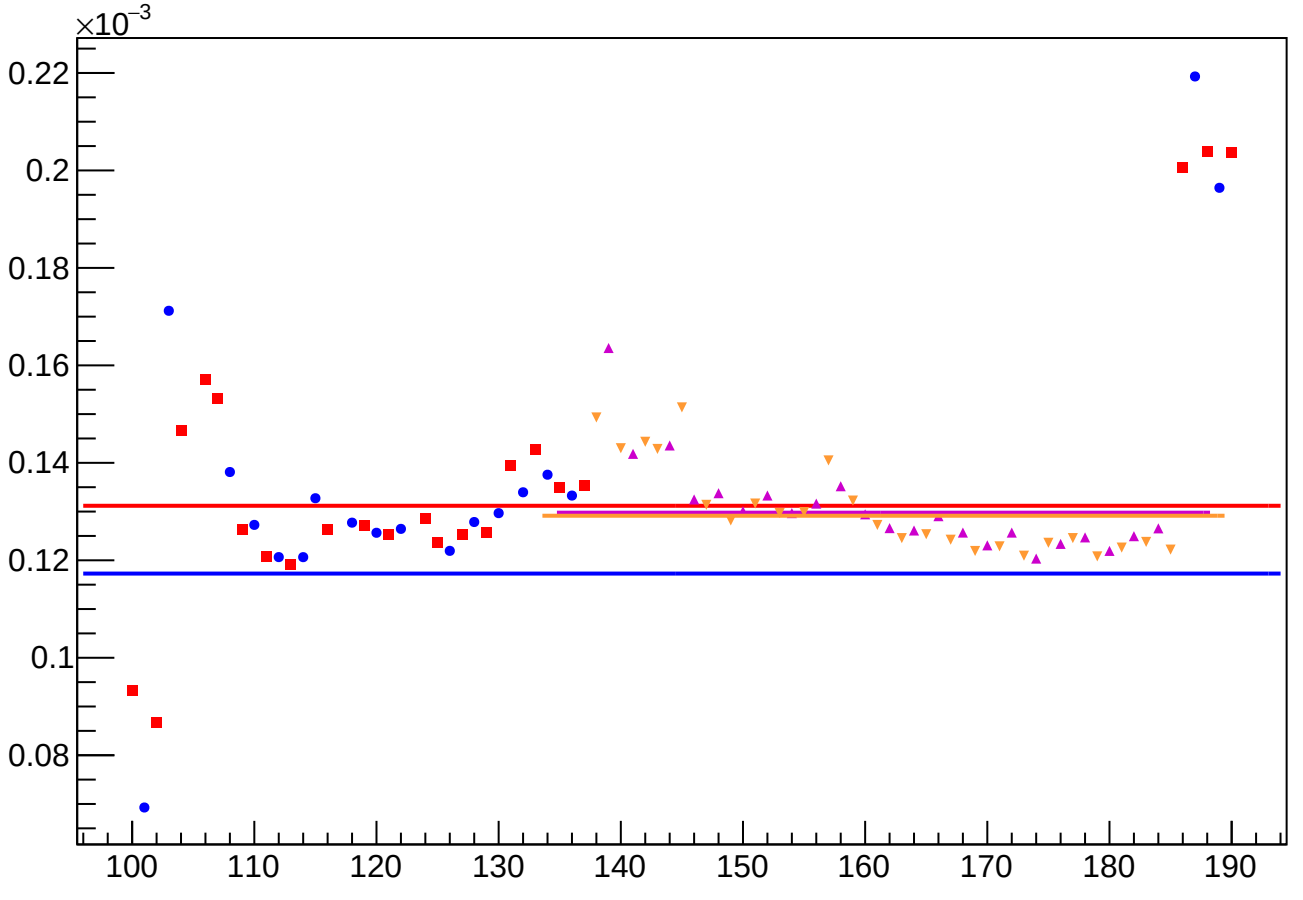
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.033+/-0.000 χ^2/NDF: 166950775131.6/39

In: 0.036+/-0.000 χ^2/NDF:137326124132.4/40

Out: 0.038+/-0.000 χ^2/NDF:54312556866.6/46

All: 0.037+/-0.000 χ^2/NDF: 194132719463.0



Right In: 0.000+/-0.000 χ^2/NDF: 1104795.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 716509.4/21

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

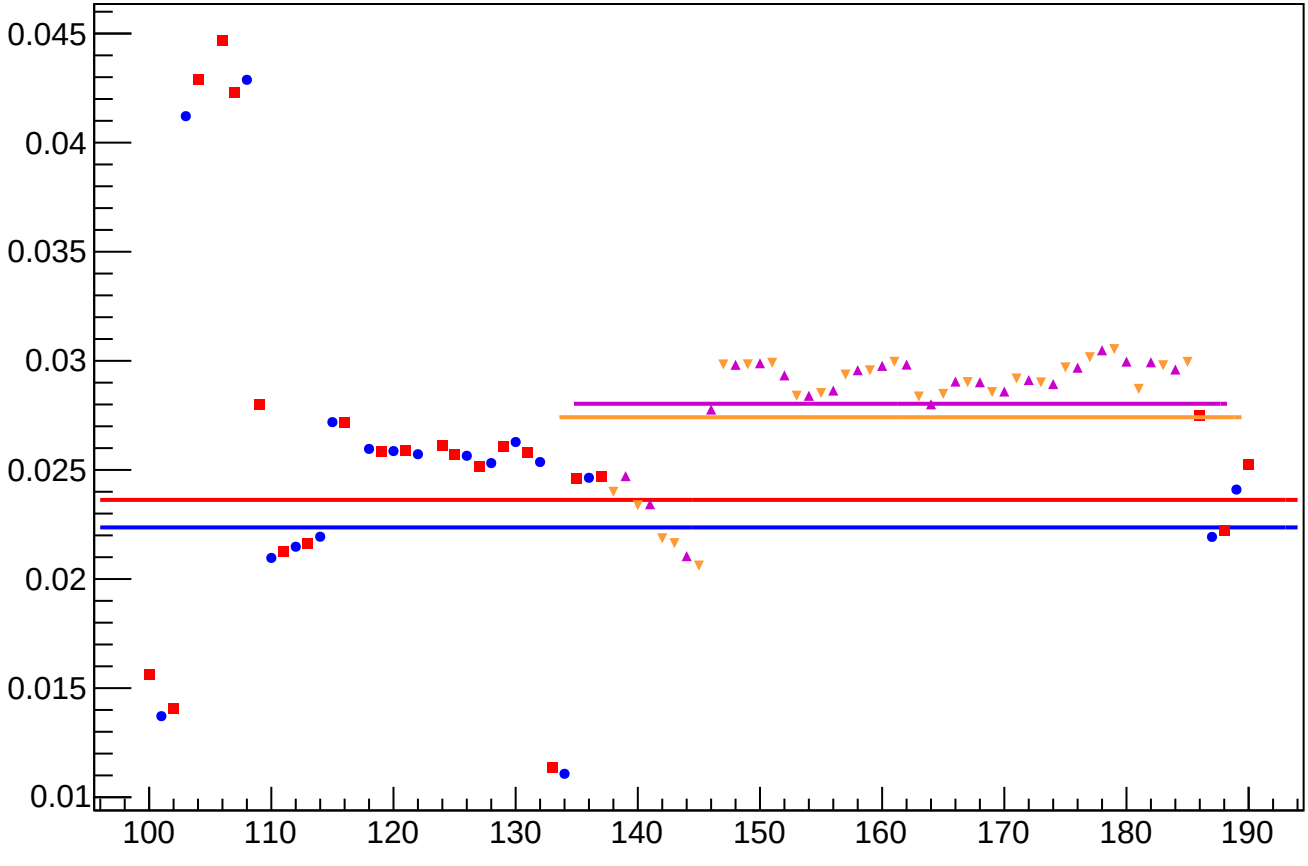
Right: 0.000+/-0.000 χ^2/NDF: 1918999.8/39

In: 0.000+/-0.000 χ^2/NDF:1356220.9/40

Out: 0.000+/-0.000 χ^2/NDF:876908.6/46

All: 0.000+/-0.000 χ^2/NDF: 2260318.0/87

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024142889.0/17

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.024+/-0.000 χ^2/NDF: 5621000546.5/21

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

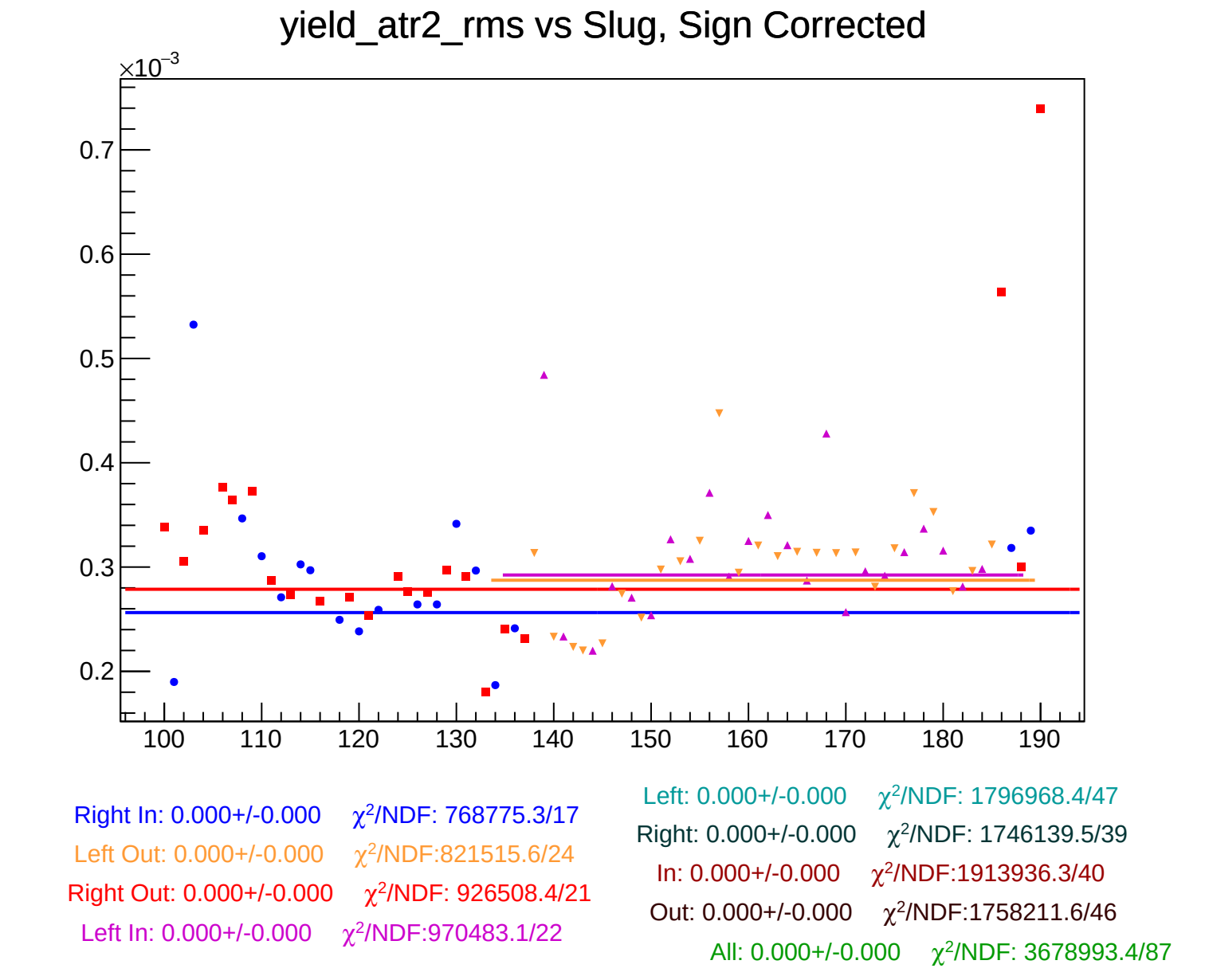
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.023+/-0.000 χ^2/NDF: 10726160662.2/39

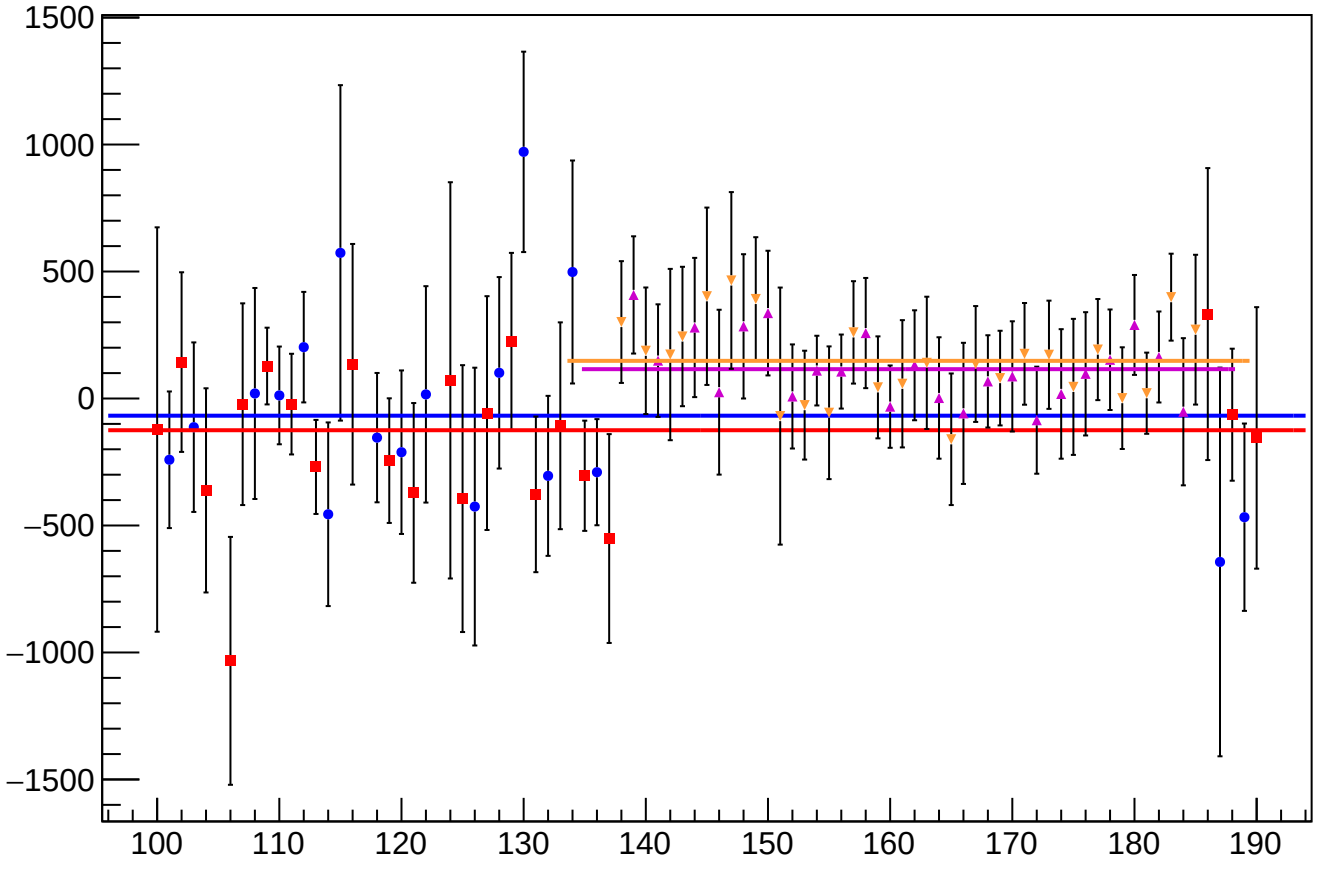
In: 0.026+/-0.000 χ^2/NDF:8677003827.1/40

Out: 0.026+/-0.000 χ^2/NDF:8830992255.3/46

All: 0.026+/-0.000 χ^2/NDF: 17510449140.3/8


yield_atr2_rms vs Slug, Sign Corrected
×10^−3
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 768775.3/17
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 926508.4/21
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: 1746139.5/39
In: 0.000+/-0.000 χ²/NDF:1913936.3/40
Out: 0.000+/-0.000 χ²/NDF:1758211.6/46
All: 0.000+/-0.000 χ²/NDF: 3678993.4/87

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -67.684+/-74.270 χ^2/NDF: 17.3/17

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -124.921+/-64.893 χ^2/NDF: 13.6/21

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

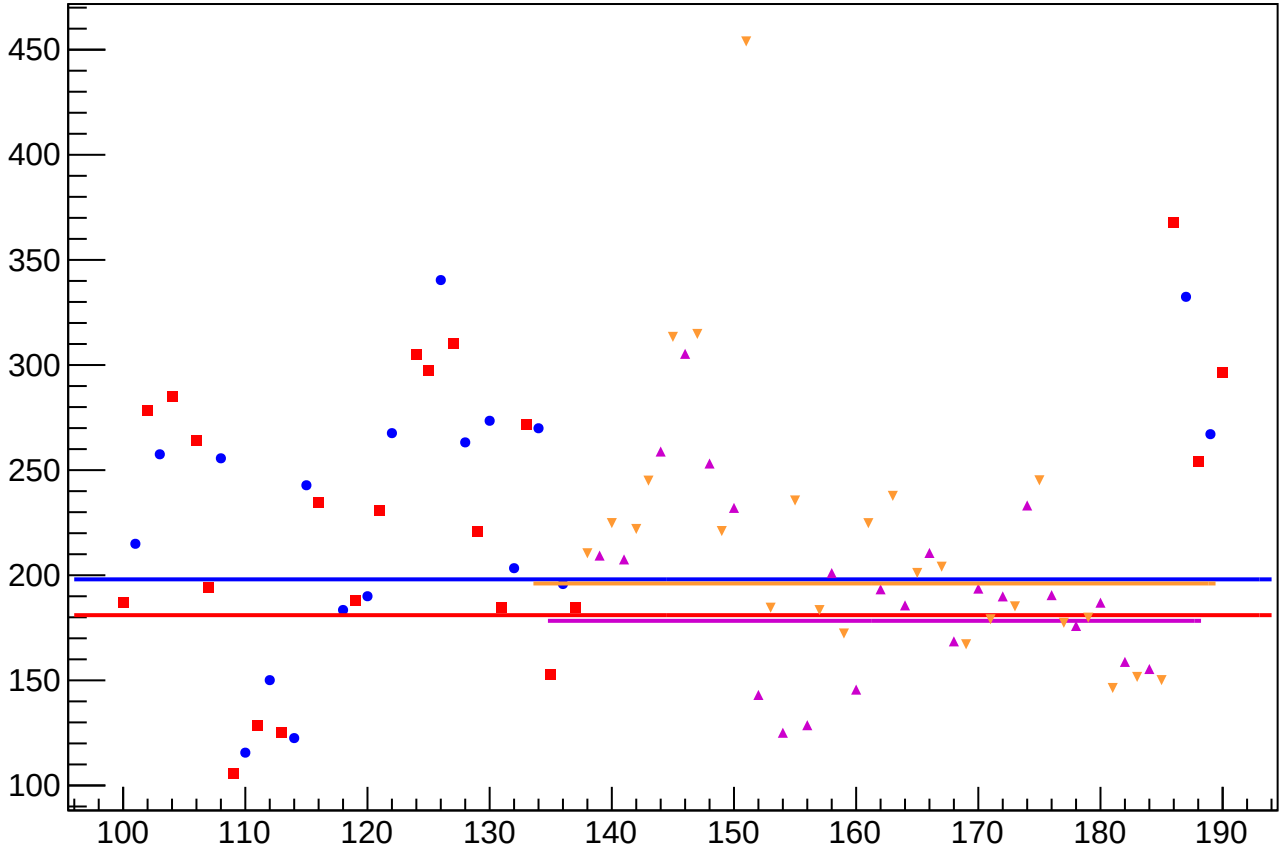
Right: -100.142+/-48.867 χ^2/NDF: 31.3/39

In: 68.592+/-37.579 χ^2/NDF:29.6/40

Out: 56.328+/-37.647 χ^2/NDF:35.8/46

All: 62.471+/-26.596 χ^2/NDF: 65.4/87

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.047+/-0.053 χ^2/NDF: 1186199.6/17

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 181.012+/-0.046 χ^2/NDF: 2166463.4/21

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

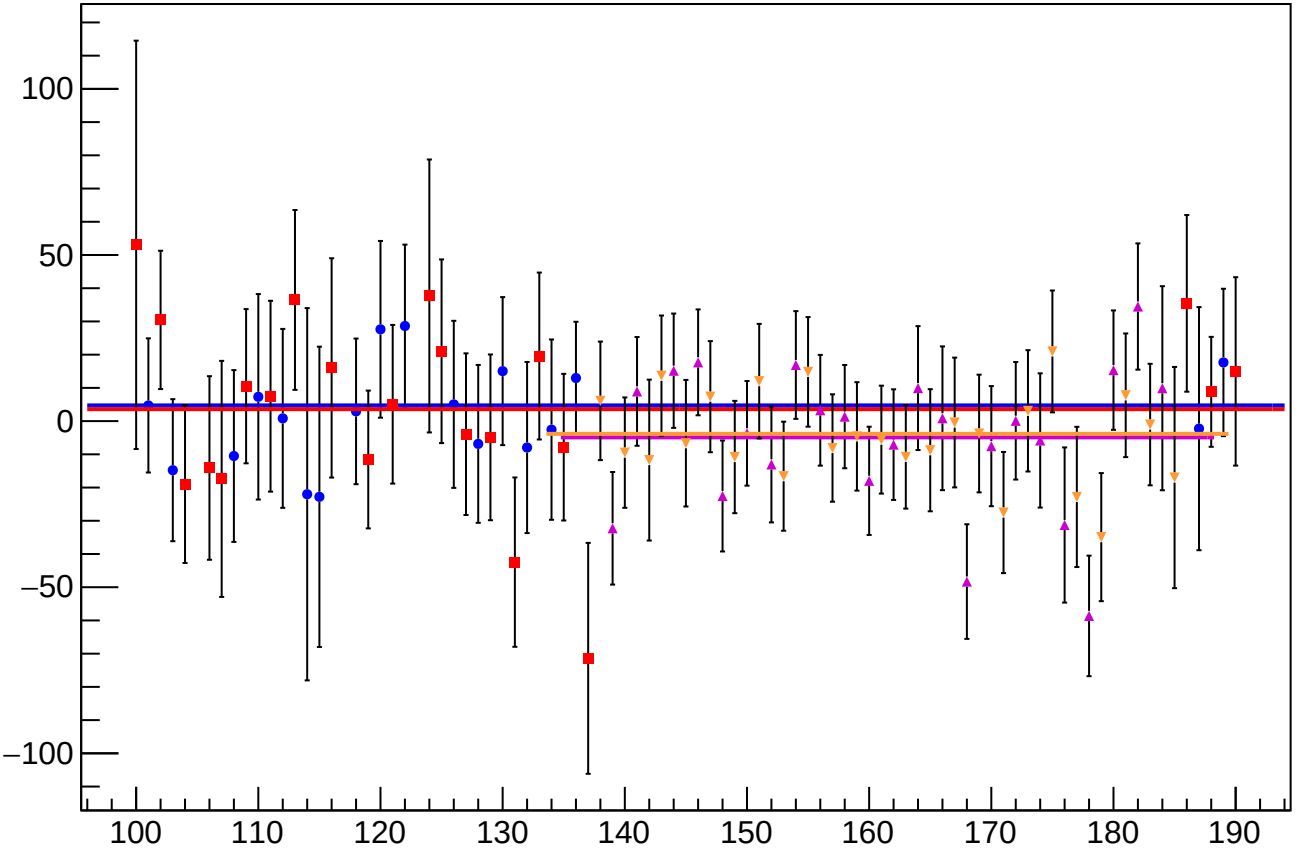
Right: 188.387+/-0.035 χ^2/NDF: 3412329.9/39

In: 183.369+/-0.027 χ^2/NDF:2969539.3/40

Out: 191.013+/-0.027 χ^2/NDF:4056556.1/46

All: 187.184+/-0.019 χ^2/NDF: 7067400.5/87

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.725+/-5.869 χ^2/NDF: 4.9/17

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: 3.601+/-5.473 χ^2/NDF: 17.8/21

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

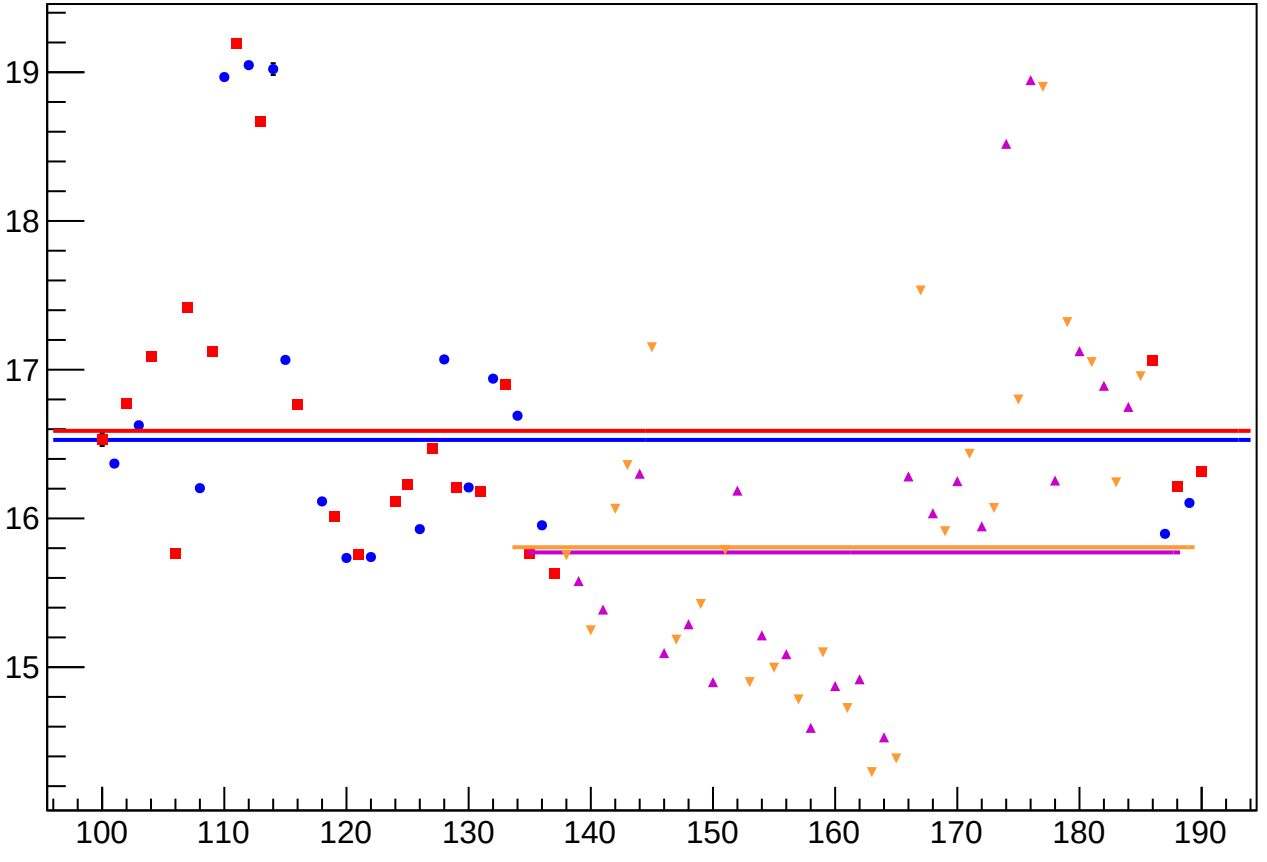
Right: 4.124+/-4.002 χ^2/NDF: 22.7/39

In: -2.170+/-3.127 χ^2/NDF:40.7/40

Out: -1.586+/-3.009 χ^2/NDF:32.0/46

All: -1.867+/-2.168 χ^2/NDF: 72.7/87

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.528+/-0.004 χ^2/NDF: 46036.1/17

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.589+/-0.004 χ^2/NDF: 45387.3/21

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

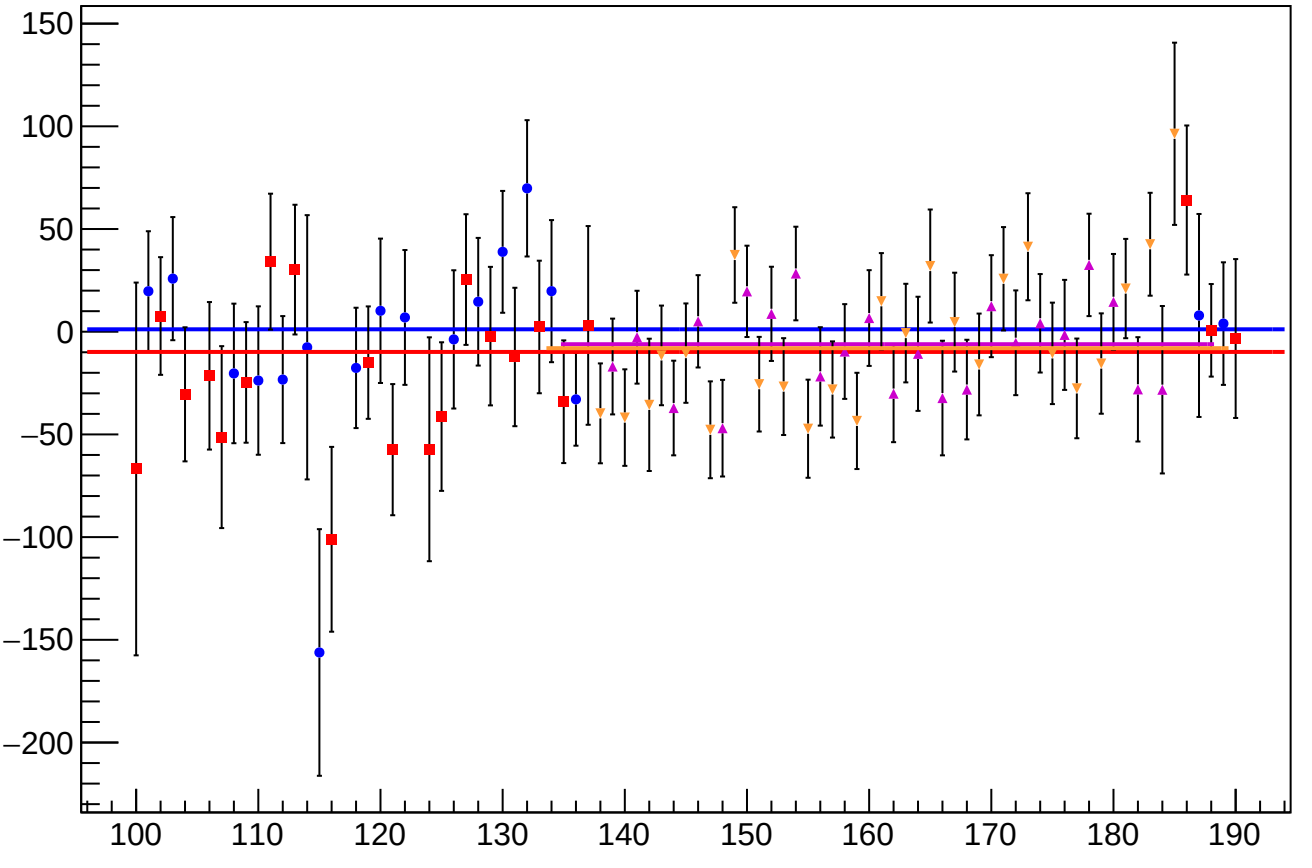
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.560+/-0.003 χ^2/NDF: 91539.0/39

In: 15.986+/-0.002 χ^2/NDF:221965.1/40

Out: 16.043+/-0.002 χ^2/NDF:246568.1/46

All: 16.016+/-0.002 χ^2/NDF: 468874.8/87



Right In: 1.177+/-7.742 χ^2/NDF: 18.7/17

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.843+/-7.216 χ^2/NDF: 20.2/21

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

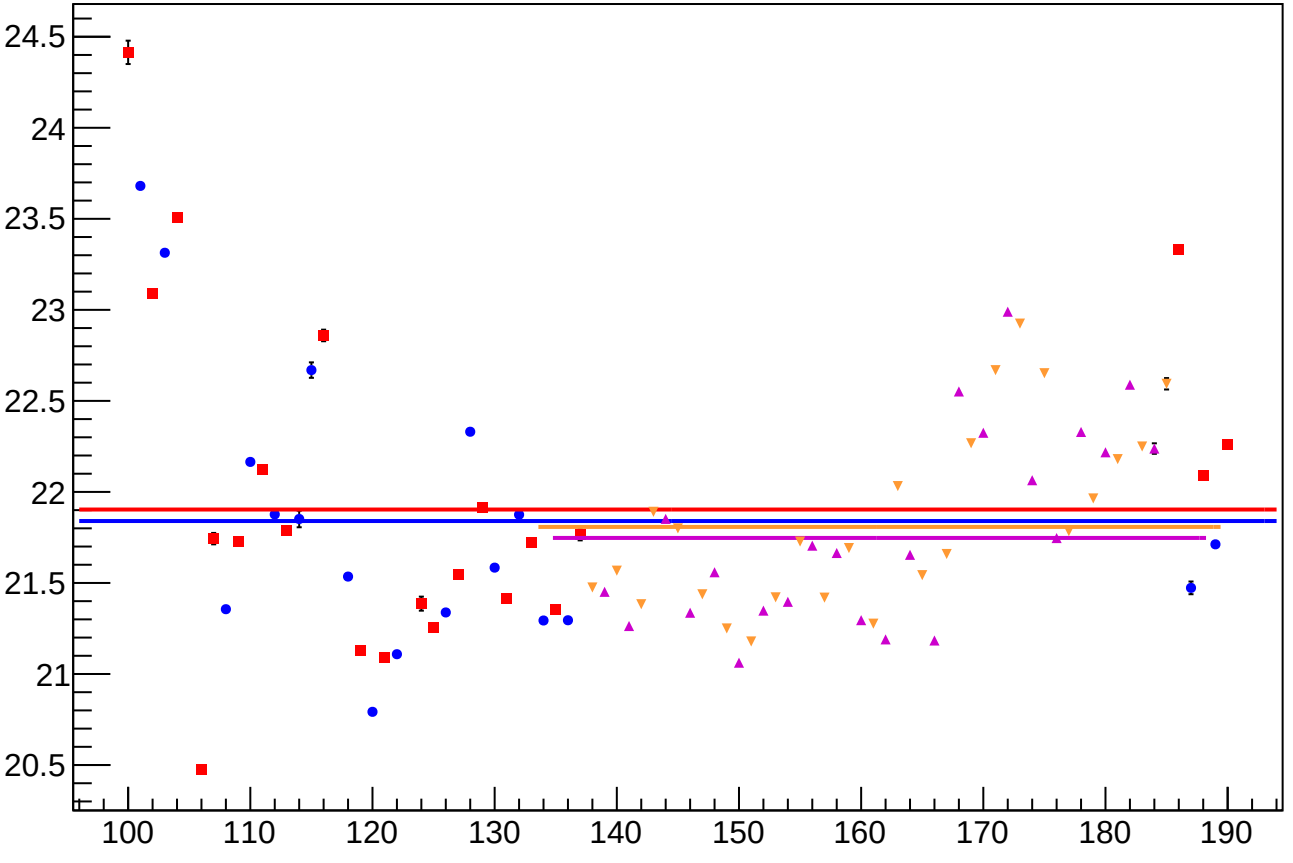
Right: -4.720+/-5.279 χ^2/NDF: 40.0/39

In: -3.900+/-4.247 χ^2/NDF:37.2/40

Out: -8.601+/-4.085 χ^2/NDF:59.1/46

All: -6.342+/-2.944 χ^2/NDF: 96.9/87

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.840+/-0.005 χ^2/NDF: 19626.7/17

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.903+/-0.005 χ^2/NDF: 22628.7/21

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

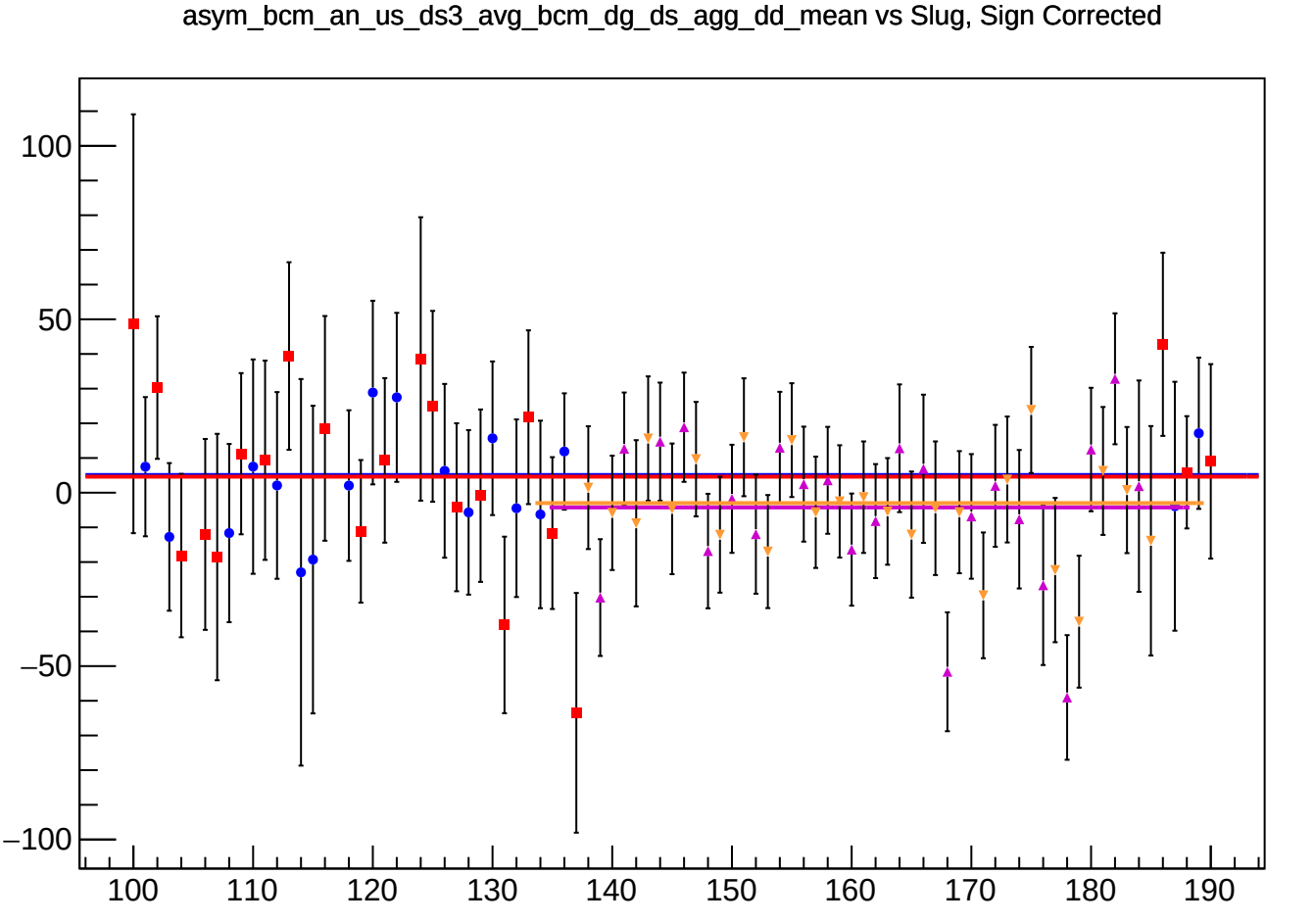
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.874+/-0.004 χ^2/NDF: 42326.8/39

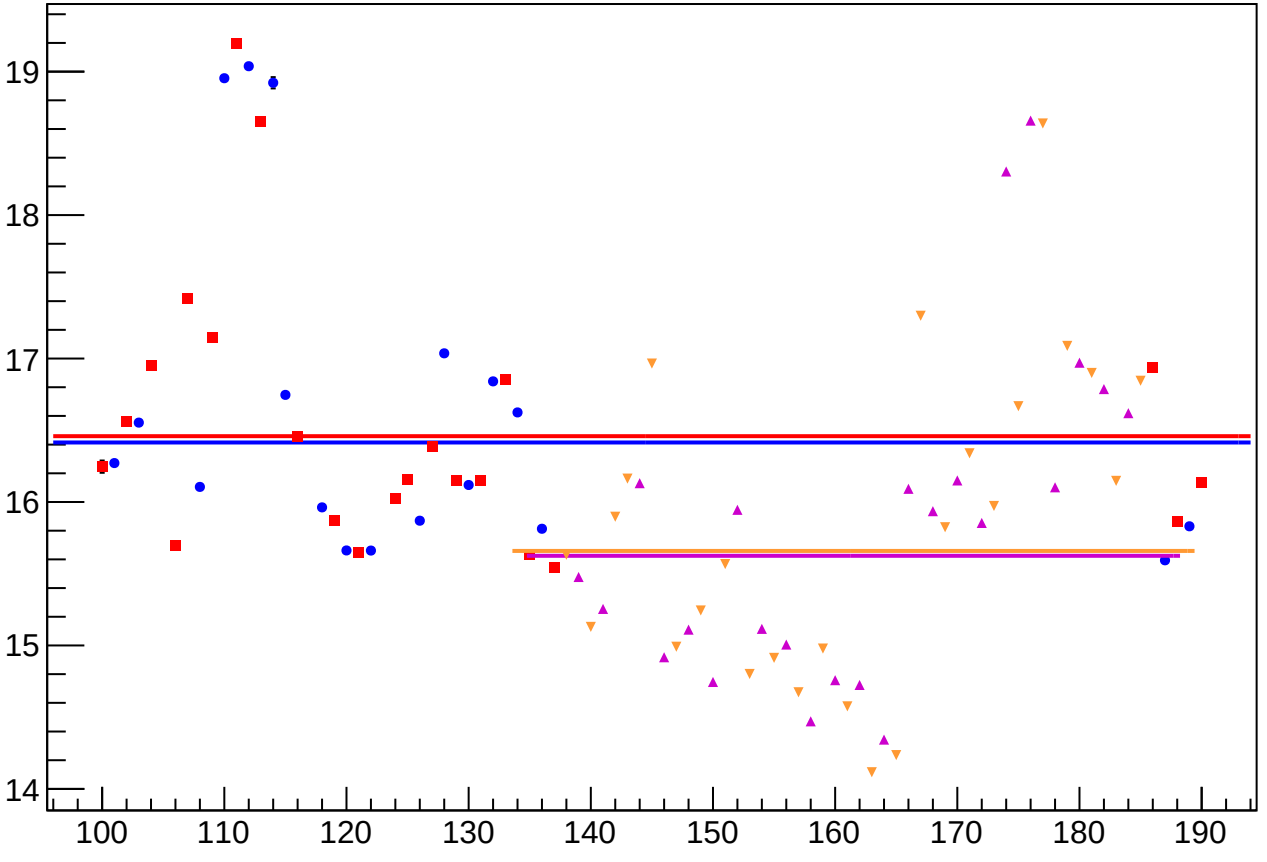
In: 21.775+/-0.003 χ^2/NDF:40388.7/40

Out: 21.838+/-0.003 χ^2/NDF:40428.4/46

All: 21.808+/-0.002 χ^2/NDF: 81046.7/87


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: 5.095+/-5.829 χ²/NDF: 4.7/17
Left Out: -3.002+/-3.569 χ²/NDF:14.6/24
Right Out: 4.621+/-5.430 χ²/NDF: 17.7/21
Left In: -4.249+/-3.661 χ²/NDF:33.8/22
Left: -3.610+/-2.555 χ²/NDF: 48.5/47
Right: 4.841+/-3.973 χ²/NDF: 22.3/39
In: -1.606+/-3.100 χ²/NDF:40.3/40
Out: -0.703+/-2.982 χ²/NDF:33.7/46
All: -1.137+/-2.149 χ²/NDF: 74.1/87

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.415+/-0.004 χ^2/NDF: 49930.5/17

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.459+/-0.004 χ^2/NDF: 50373.2/21

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

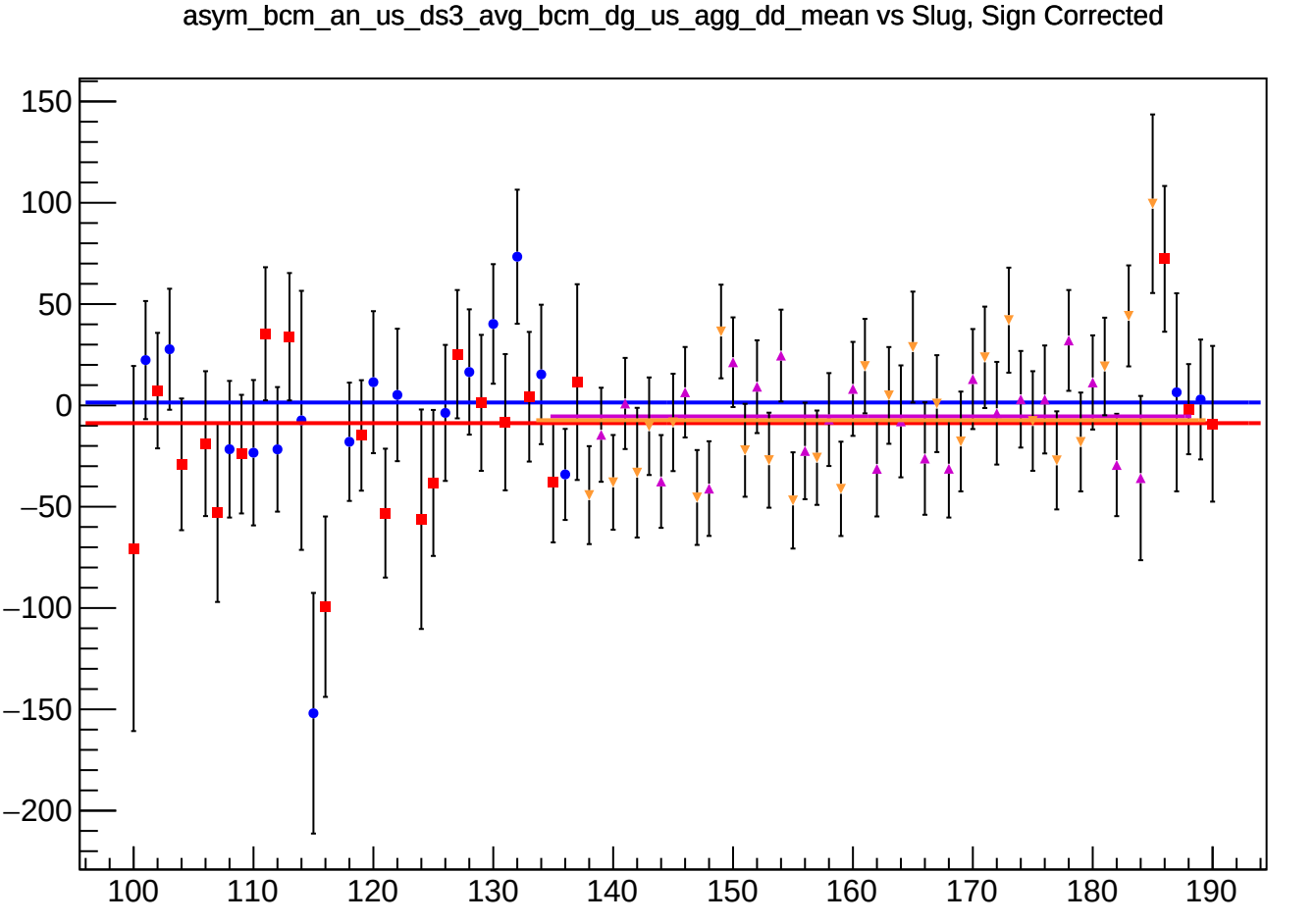
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 16.438+/-0.003 χ^2/NDF: 100364.7/39

In: 15.848+/-0.002 χ^2/NDF:226693.6/40

Out: 15.900+/-0.002 χ^2/NDF:250516.6/46

All: 15.875+/-0.002 χ^2/NDF: 477499.9/87



Right In: 1.433+/-7.704 χ^2/NDF: 19.4/17

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -8.762+/-7.173 χ^2/NDF: 21.5/21

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

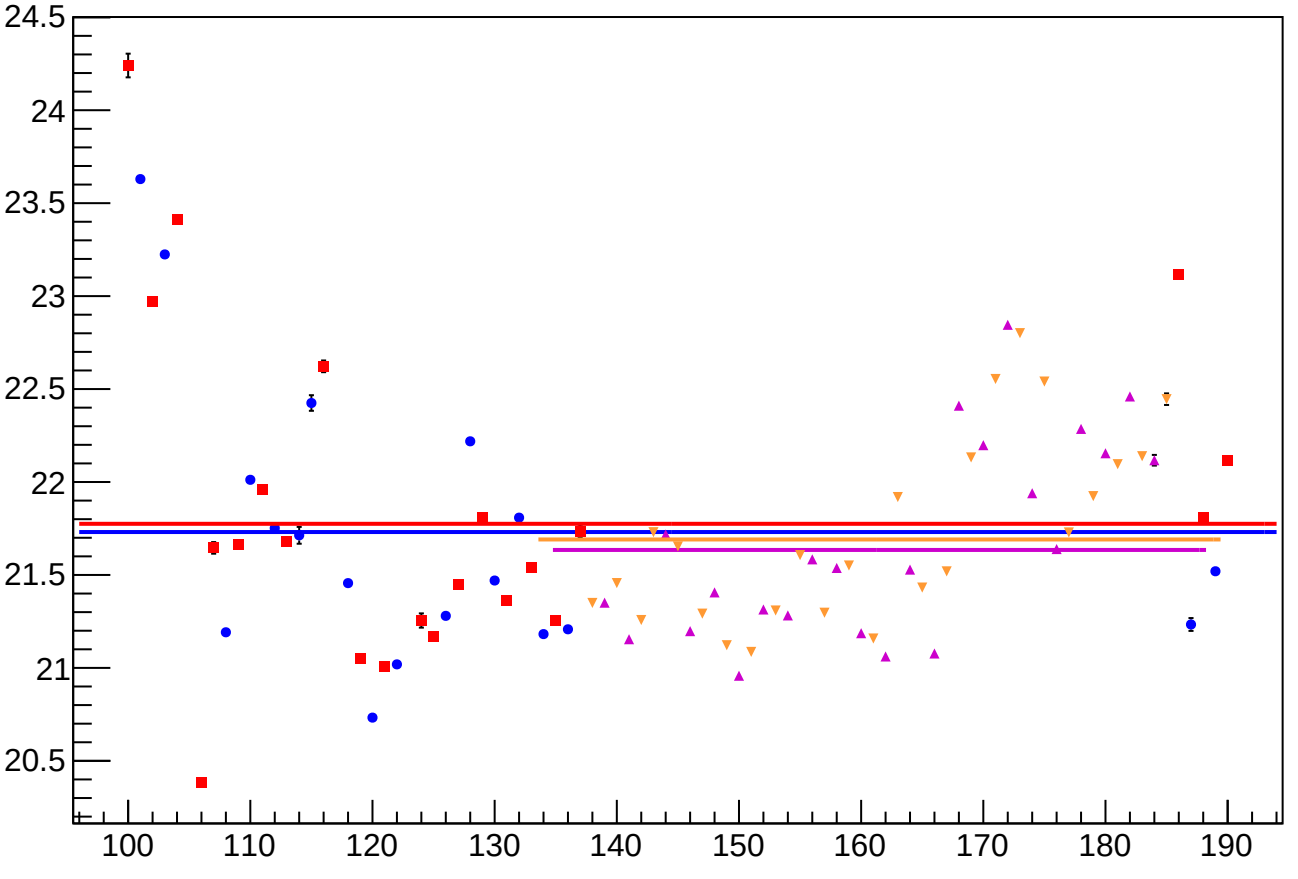
Right: -4.027+/-5.250 χ^2/NDF: 41.8/39

In: -3.369+/-4.226 χ^2/NDF:37.2/40

Out: -7.781+/-4.063 χ^2/NDF:60.1/46

All: -5.662+/-2.929 χ^2/NDF: 97.9/87

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.731+/-0.005 χ^2/NDF: 20081.0/17

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.775+/-0.005 χ^2/NDF: 21496.3/21

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

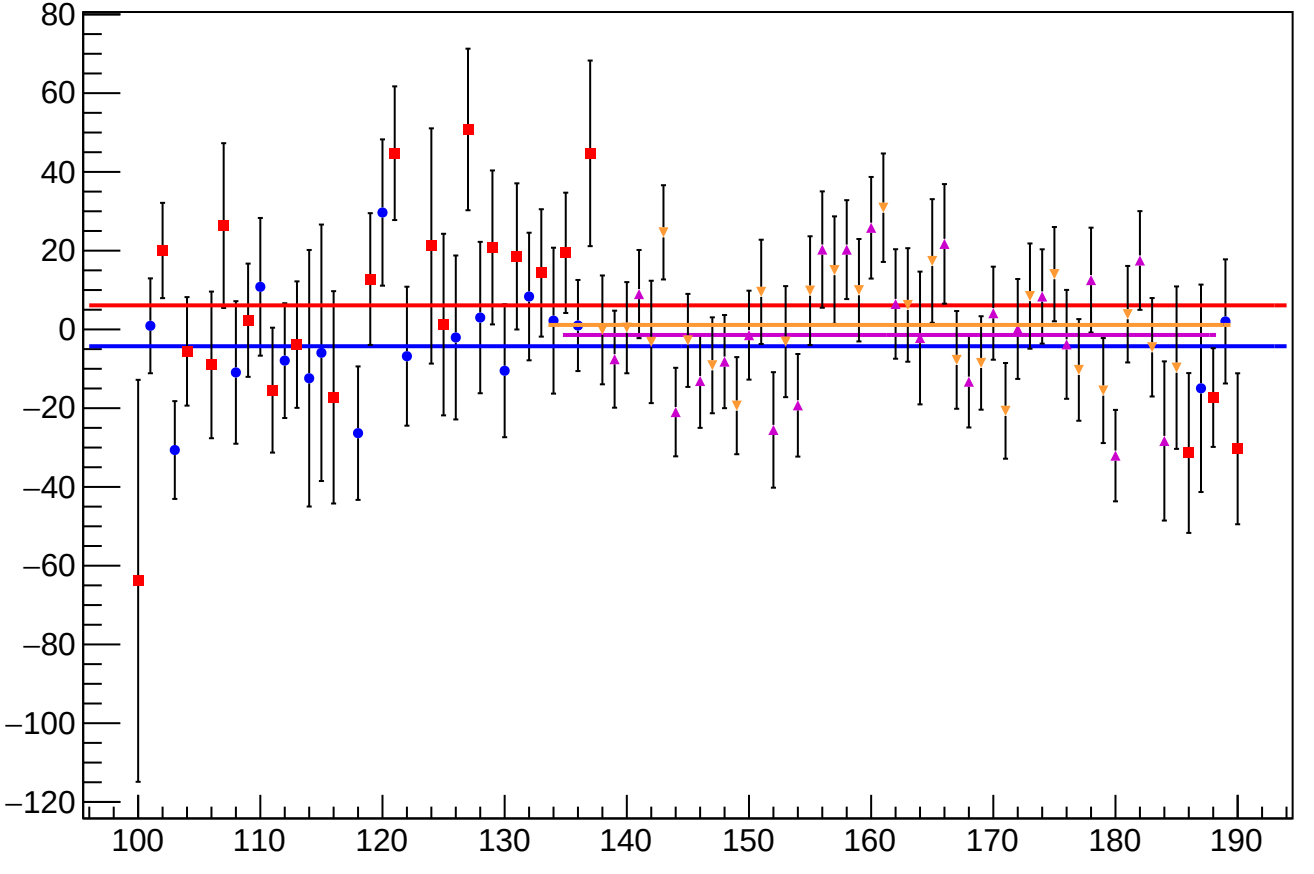
Right: 21.755+/-0.004 χ^2/NDF: 41612.7/39

In: 21.664+/-0.003 χ^2/NDF:40861.2/40

Out: 21.718+/-0.003 χ^2/NDF:39618.7/46

All: 21.692+/-0.002 χ^2/NDF: 80652.2/87

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.270+/-3.951 χ^2/NDF: 12.3/17

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 6.111+/-3.751 χ^2/NDF: 34.2/21

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

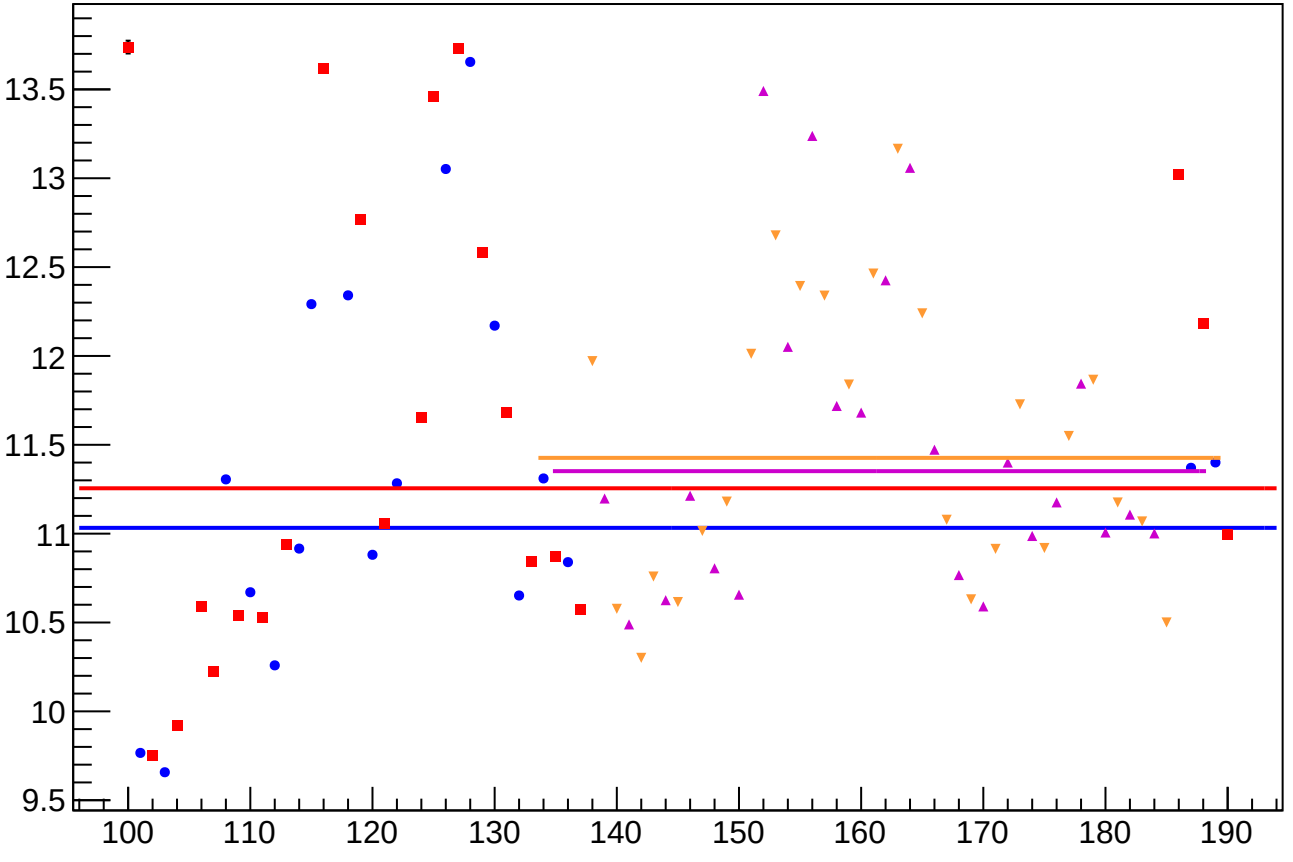
Right: 1.190+/-2.720 χ^2/NDF: 50.1/39

In: -2.306+/-2.214 χ^2/NDF:49.0/40

Out: 2.769+/-2.148 χ^2/NDF:59.9/46

All: 0.309+/-1.542 χ^2/NDF: 111.6/87

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.033+/-0.003 χ^2/NDF: 137710.8/17

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.255+/-0.003 χ^2/NDF: 192426.8/21

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

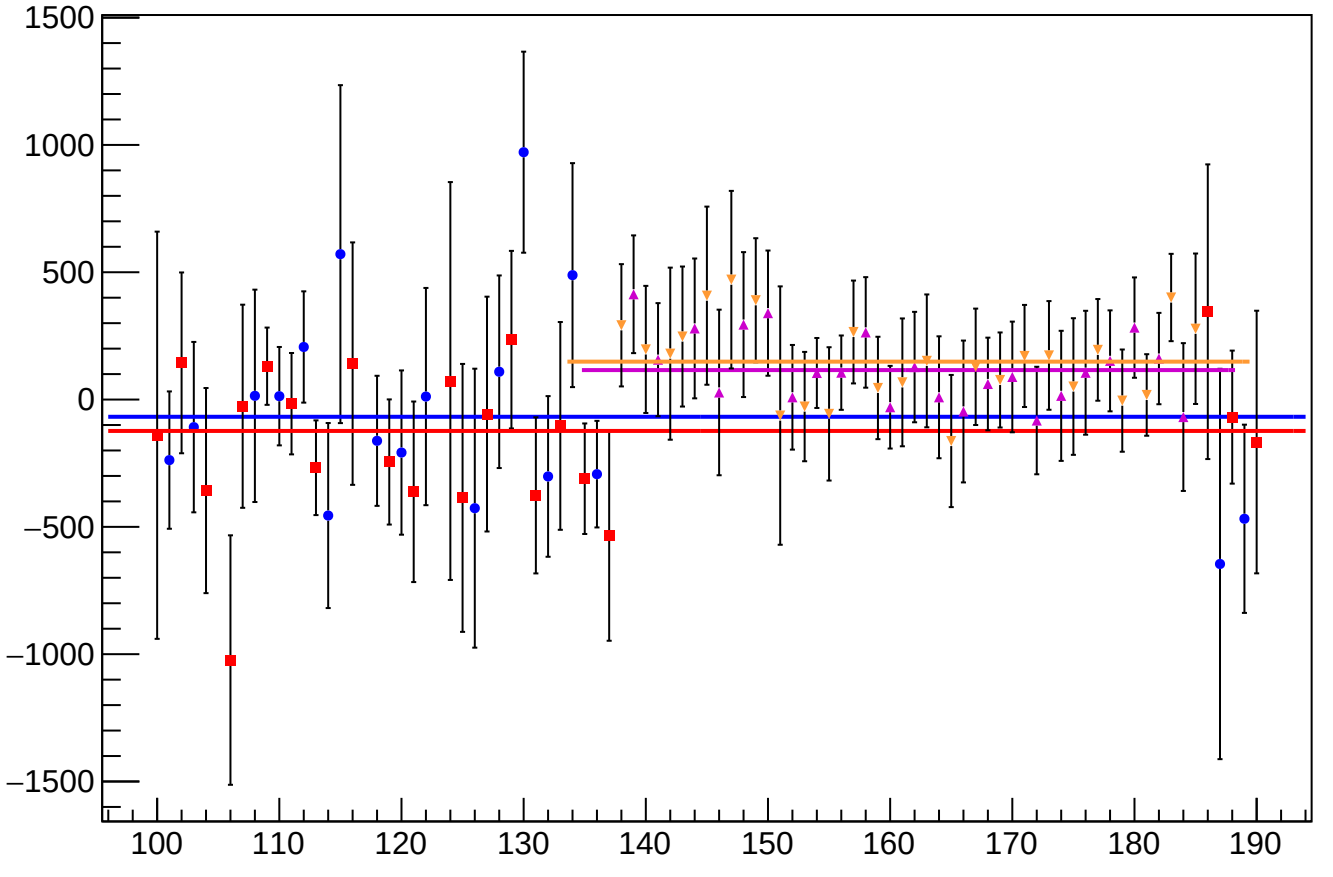
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.150+/-0.002 χ^2/NDF: 333479.1/39

In: 11.251+/-0.002 χ^2/NDF:317222.7/40

Out: 11.370+/-0.002 χ^2/NDF:352200.5/46

All: 11.313+/-0.001 χ^2/NDF: 672393.3/87



Right In: -67.666+/-74.487 χ^2/NDF: 17.3/17

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -123.268+/-65.100 χ^2/NDF: 13.6/21

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

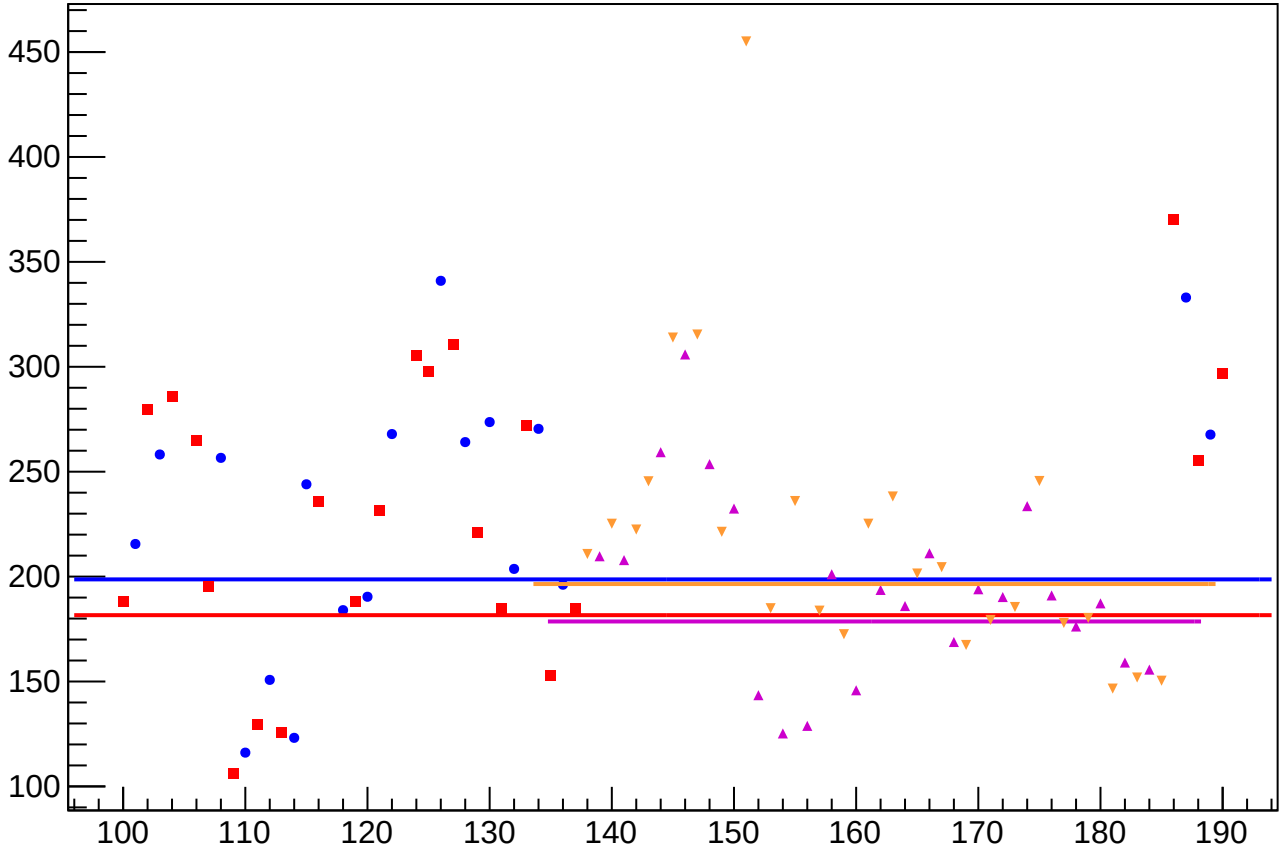
Right: -99.190+/-49.017 χ^2/NDF: 31.1/39

In: 68.848+/-37.654 χ^2/NDF:29.6/40

Out: 57.462+/-37.734 χ^2/NDF:35.7/46

All: 63.167+/-26.654 χ^2/NDF: 65.3/87

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.670+/-0.053 χ^2/NDF: 1179442.0/17

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 181.619+/-0.046 χ^2/NDF: 2162114.3/21

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

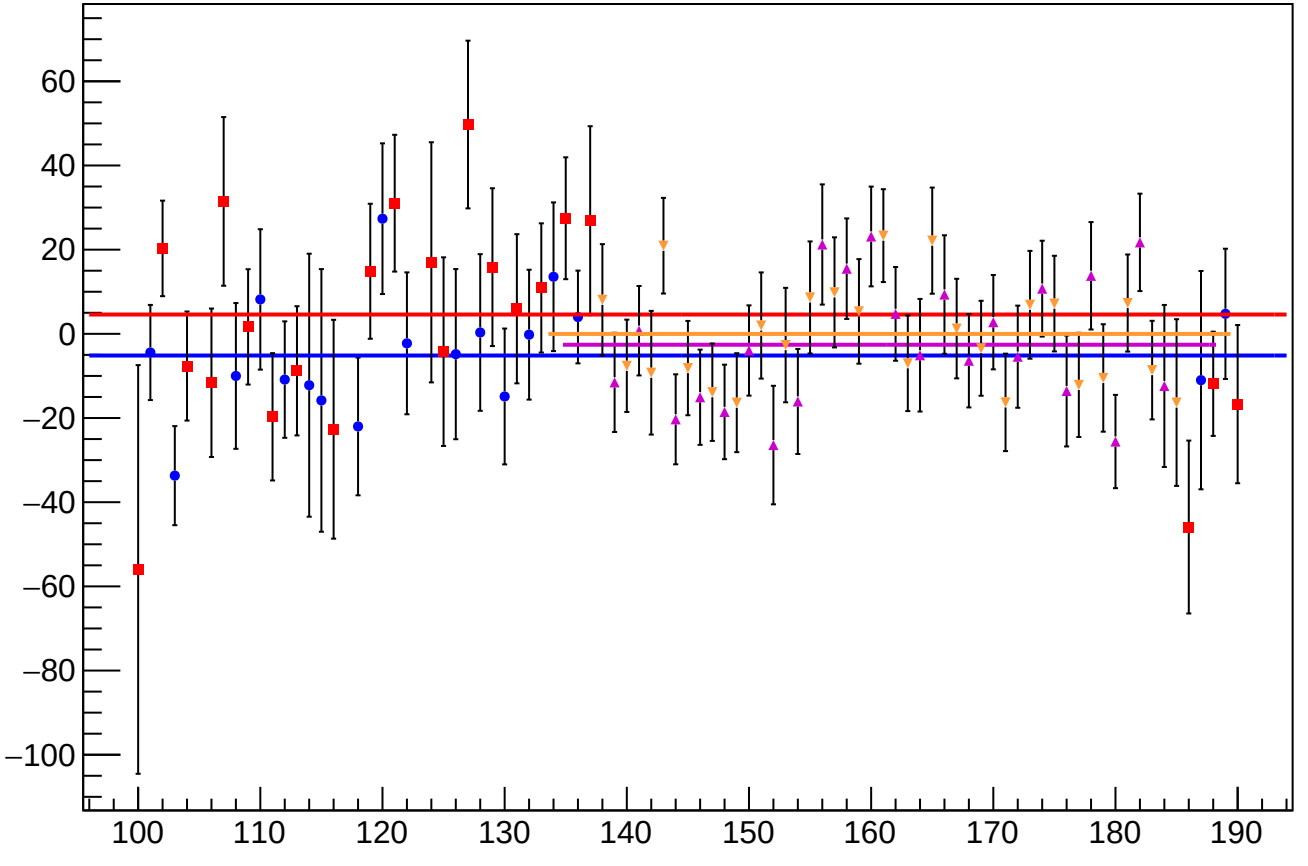
Right: 189.003+/-0.035 χ^2/NDF: 3400974.4/39

In: 183.739+/-0.027 χ^2/NDF:2966250.2/40

Out: 191.470+/-0.027 χ^2/NDF:4049827.0/46

All: 187.596+/-0.019 χ^2/NDF: 7058141.0/87

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.150+/-3.777 χ^2/NDF: 14.2/17

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 4.588+/-3.593 χ^2/NDF: 33.1/21

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

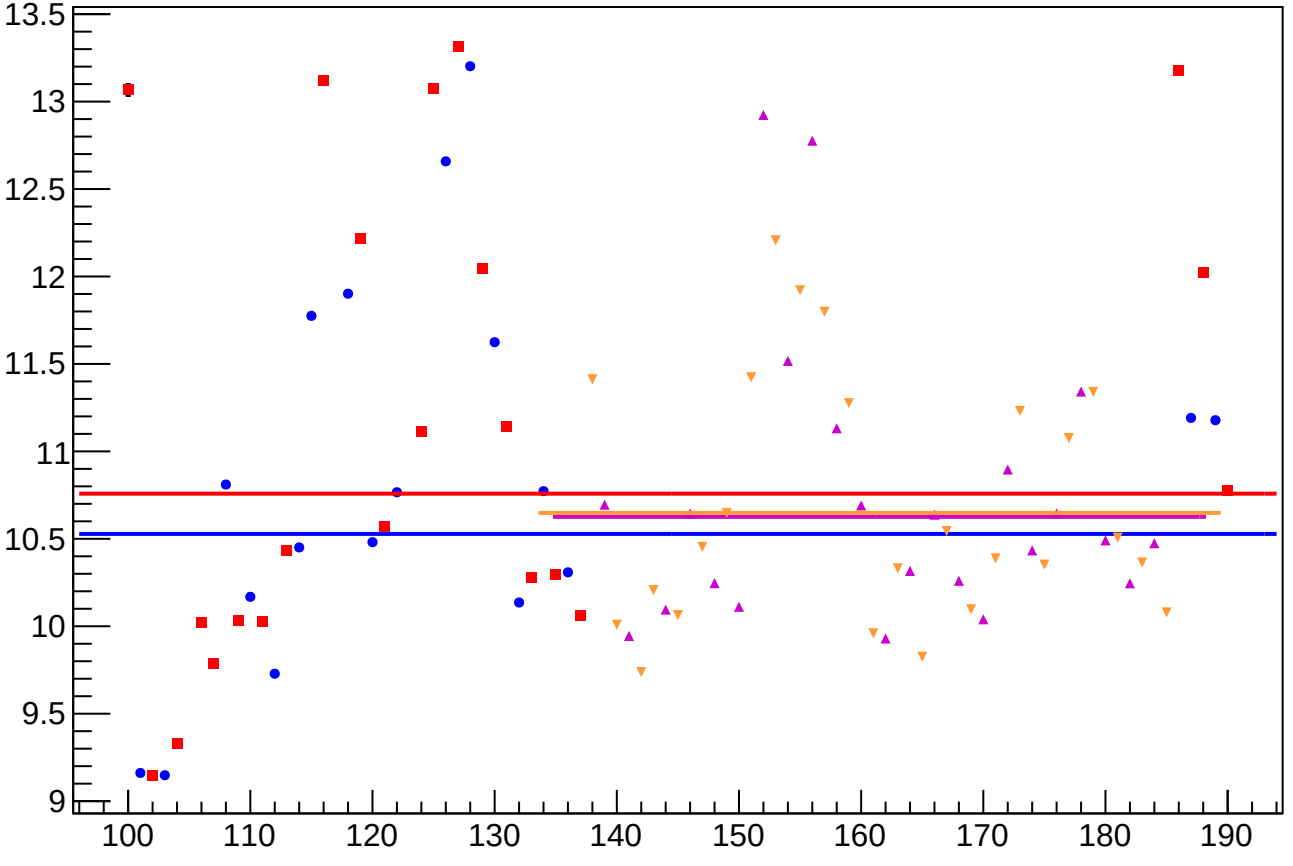
Right: -0.039+/-2.603 χ^2/NDF: 50.8/39

In: -3.373+/-2.088 χ^2/NDF:49.2/40

Out: 1.440+/-2.021 χ^2/NDF:58.0/46

All: -0.889+/-1.452 χ^2/NDF: 110.0/87

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.528+/-0.003 χ^2/NDF: 162631.3/17

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.758+/-0.003 χ^2/NDF: 241473.9/21

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

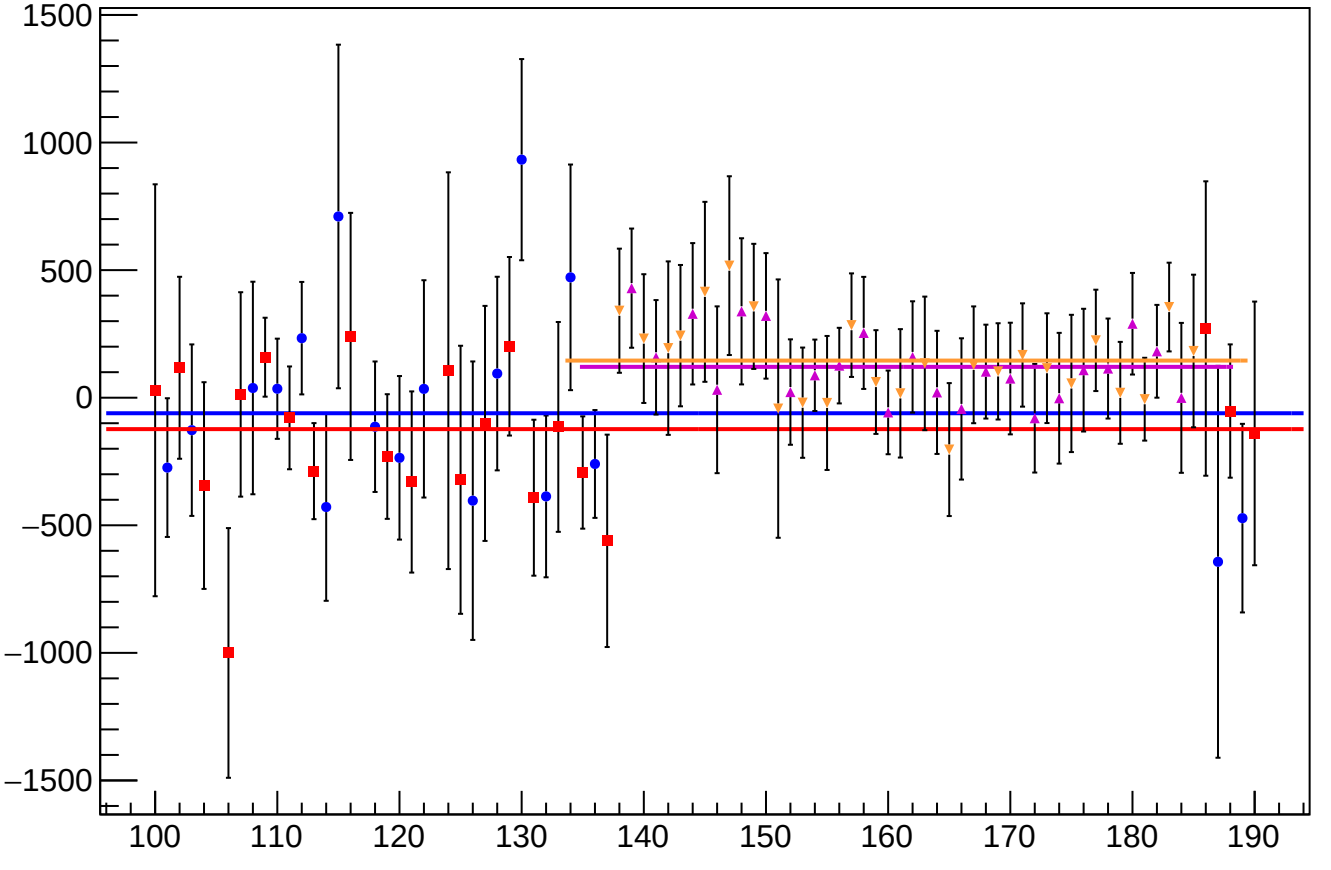
Right: 10.649+/-0.002 χ^2/NDF: 408001.4/39

In: 10.596+/-0.001 χ^2/NDF:323102.2/40

Out: 10.683+/-0.001 χ^2/NDF:386288.3/46

All: 10.641+/-0.001 χ^2/NDF: 711191.0/87

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -60.890+/-74.942 χ^2/NDF: 17.6/17

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -123.133+/-65.633 χ^2/NDF: 13.5/21

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

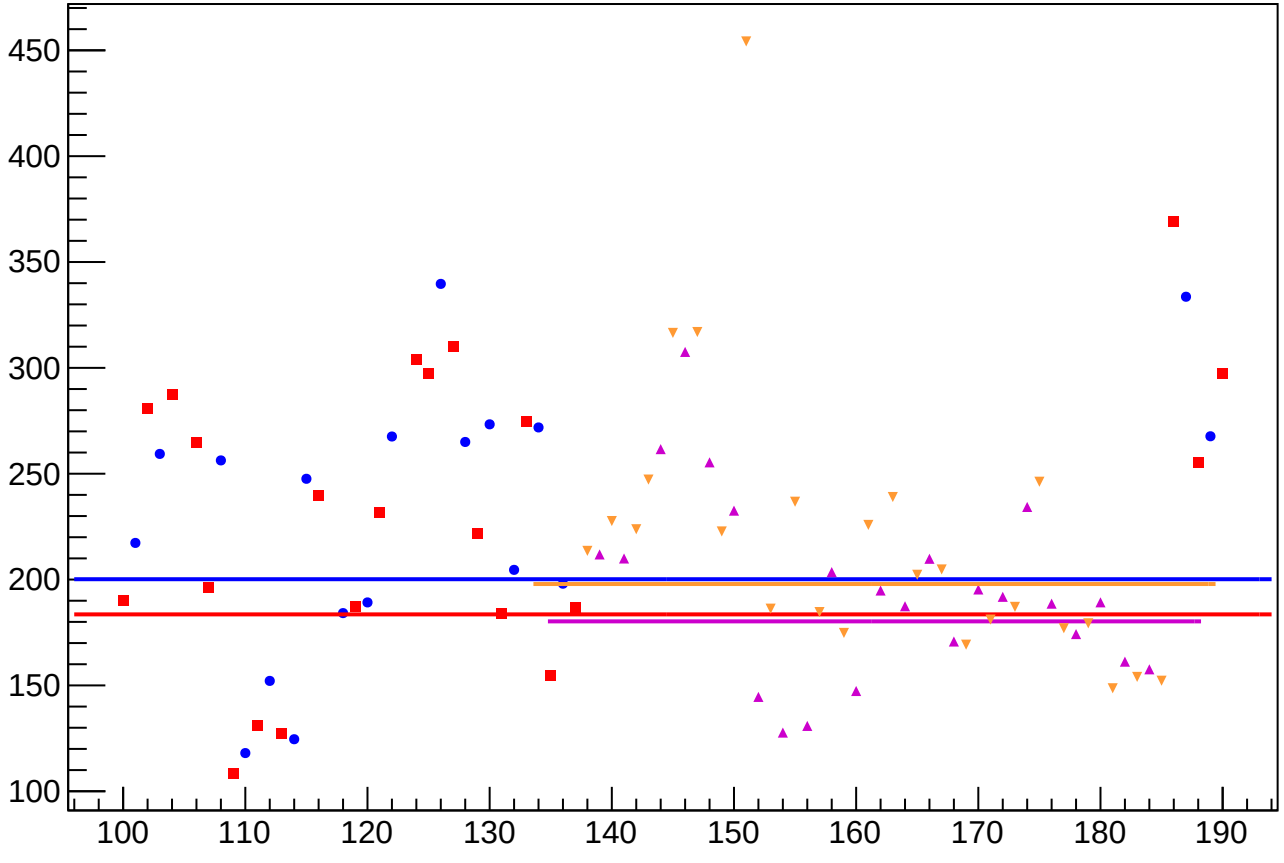
Right: -96.115+/-49.375 χ^2/NDF: 31.4/39

In: 74.299+/-37.940 χ^2/NDF:30.2/40

Out: 55.462+/-38.004 χ^2/NDF:34.9/46

All: 64.896+/-26.850 χ^2/NDF: 65.2/87

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 200.163+/-0.053 χ^2/NDF: 1144306.6/17

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 183.552+/-0.046 χ^2/NDF: 2092977.1/21

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

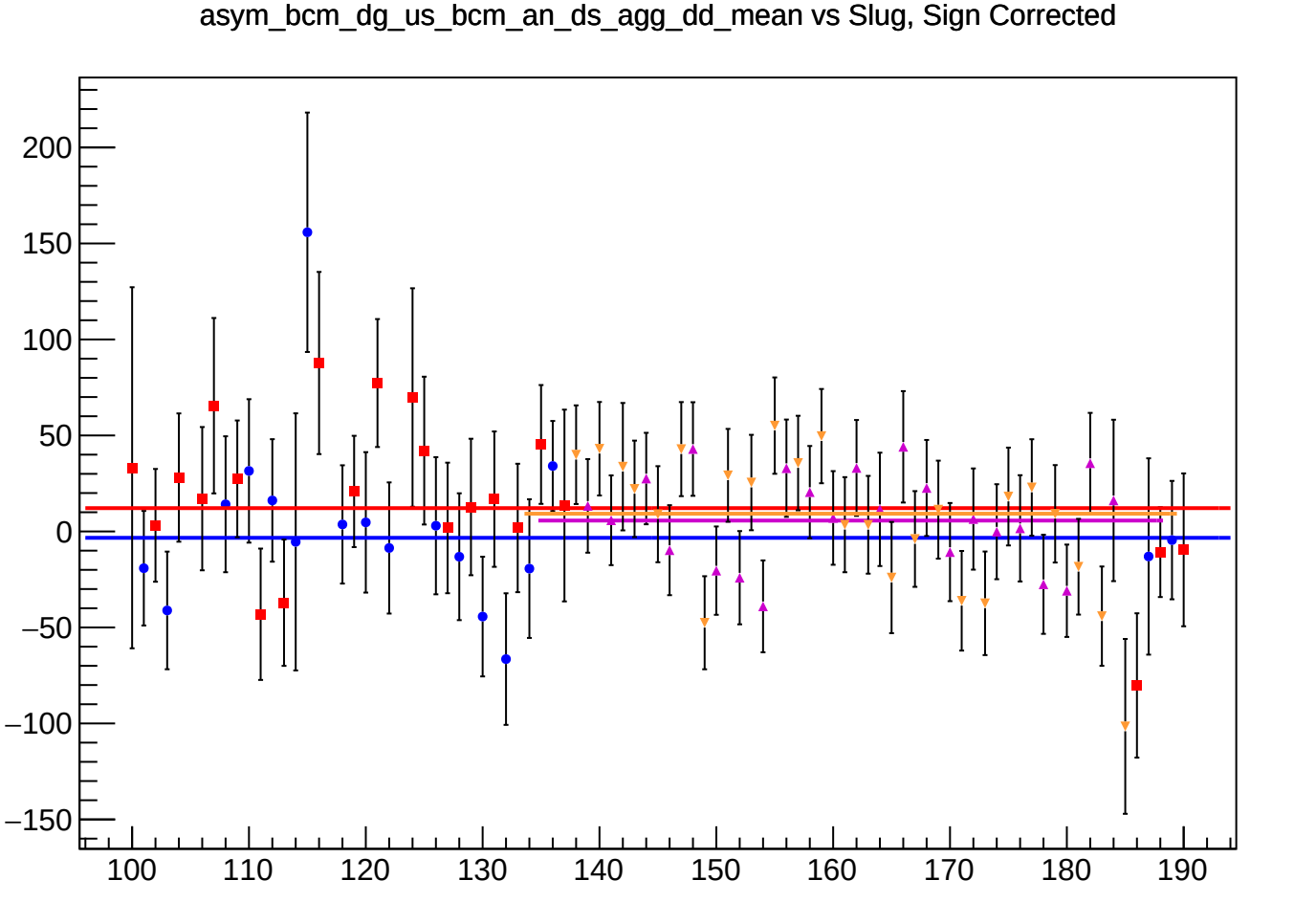
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 190.762+/-0.035 χ^2/NDF: 3292888.5/39

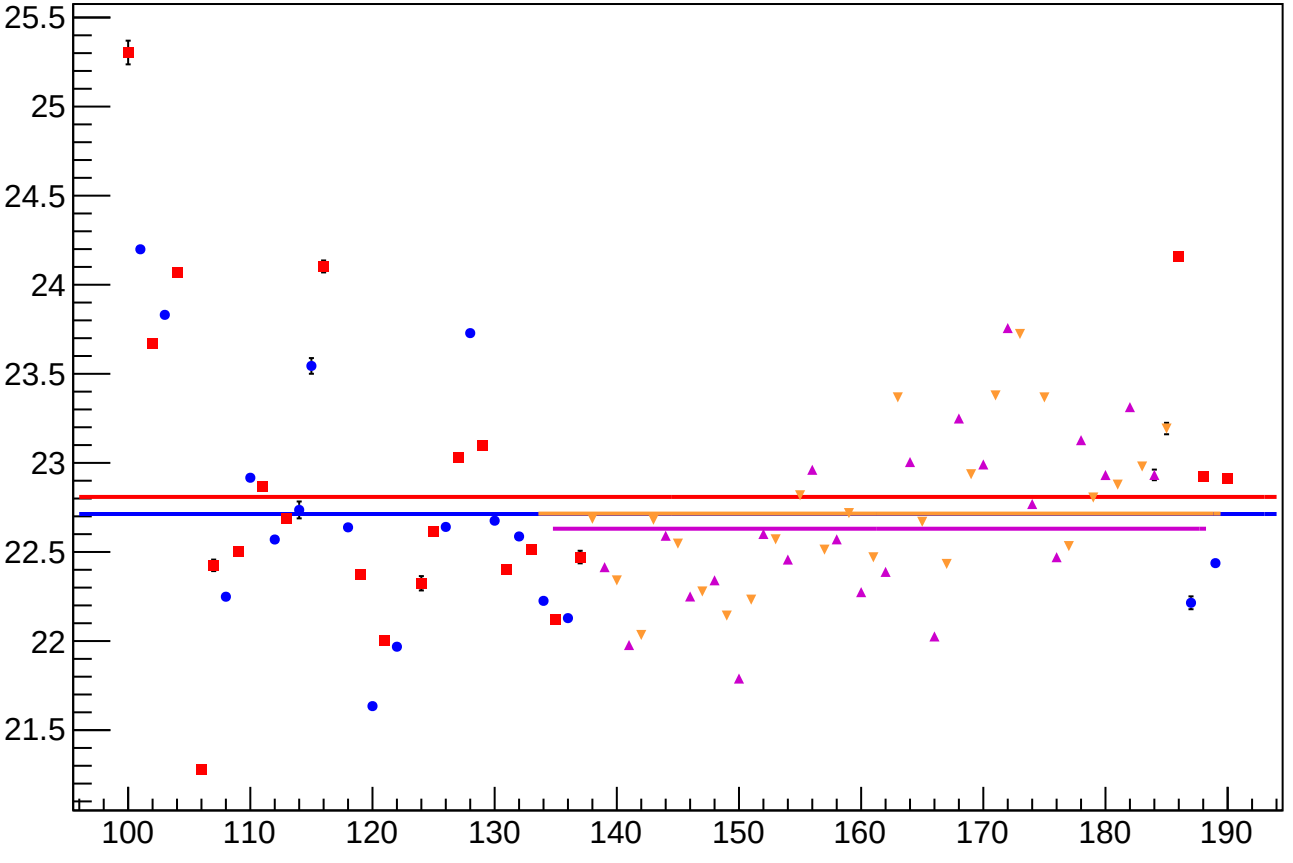
In: 185.352+/-0.027 χ^2/NDF:2877120.6/40

Out: 193.083+/-0.027 χ^2/NDF:3945270.6/46

All: 189.211+/-0.019 χ^2/NDF: 6863843.1/87


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -3.323+/-8.051 χ²/NDF: 18.0/17
Left Out: 9.234+/-5.162 χ²/NDF:39.4/24
Right Out: 12.139+/-7.514 χ²/NDF: 23.6/21
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 7.493+/-3.693 χ²/NDF: 60.5/47
Right: 4.941+/-5.493 χ²/NDF: 43.5/39
In: 2.960+/-4.419 χ²/NDF:39.6/40
Out: 10.166+/-4.255 χ²/NDF:63.1/46
All: 6.699+/-3.065 χ²/NDF: 104.1/87

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.713+/-0.006 χ^2/NDF: 15005.8/17

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.809+/-0.005 χ^2/NDF: 17345.0/21

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

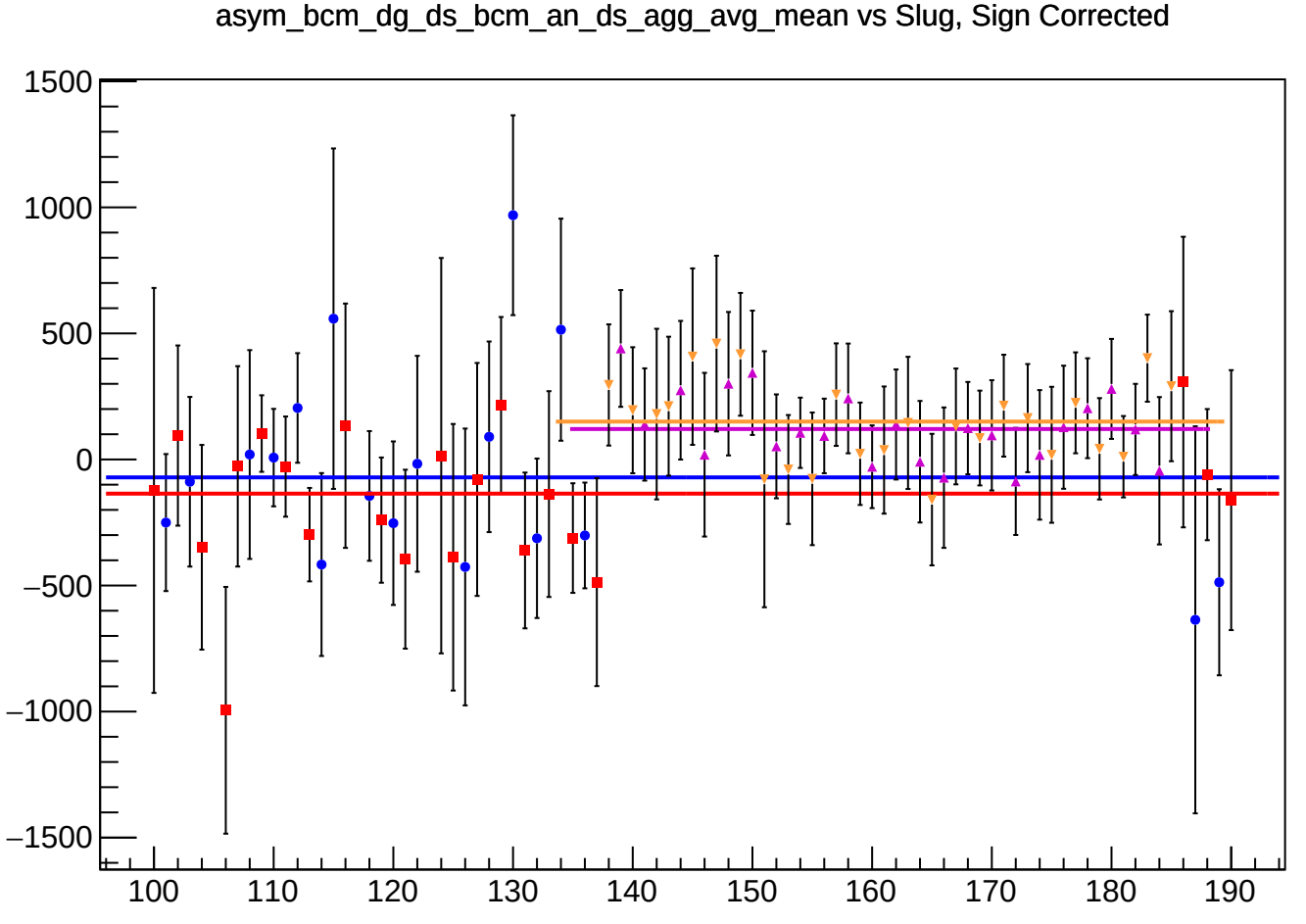
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.764+/-0.004 χ^2/NDF: 32502.4/39

In: 22.655+/-0.003 χ^2/NDF:30544.2/40

Out: 22.745+/-0.003 χ^2/NDF:29737.1/46

All: 22.702+/-0.002 χ^2/NDF: 60712.2/87



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -135.577+/-65.190 χ^2/NDF: 12.3/21

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

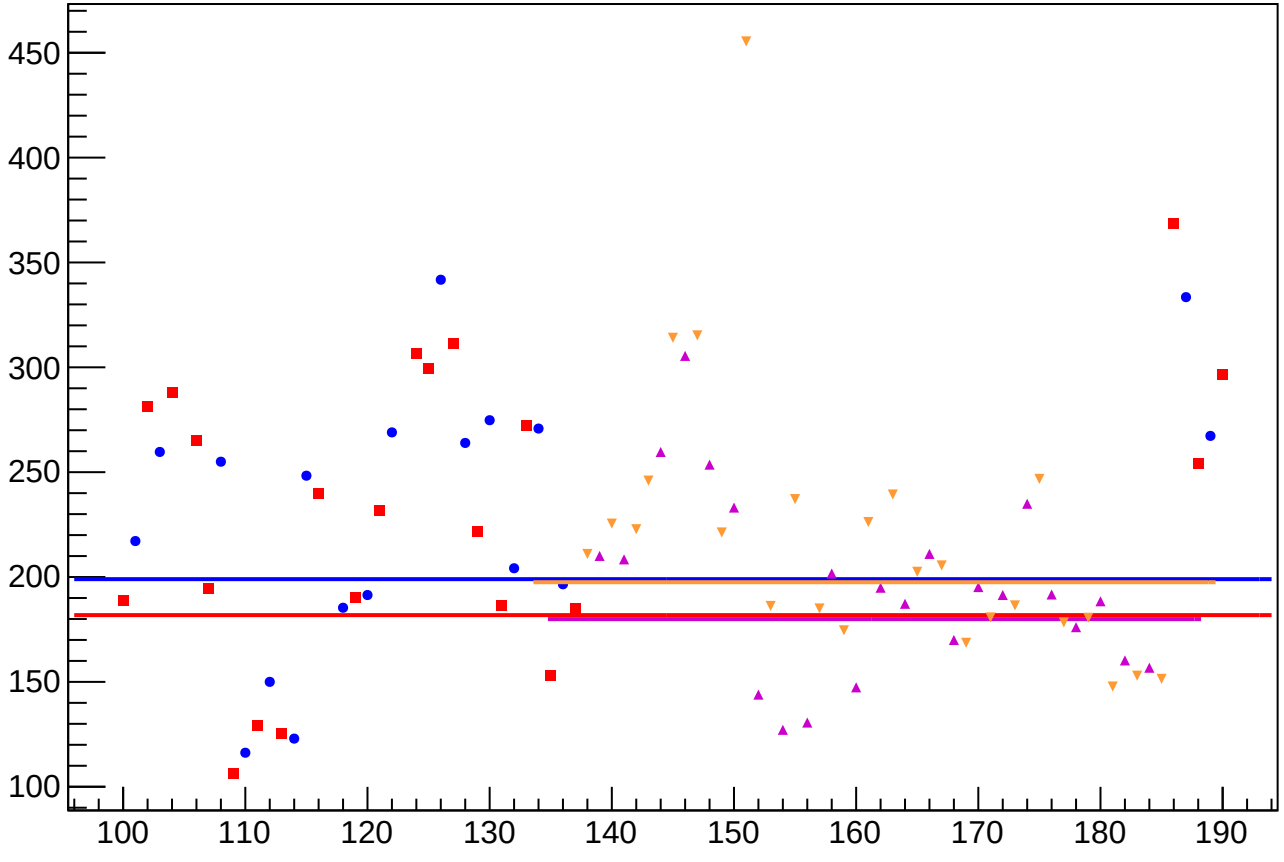
Right: -107.647+/-49.094 χ^2/NDF: 30.0/39

In: 71.407+/-37.850 χ^2/NDF:30.1/40

Out: 53.747+/-37.875 χ^2/NDF:36.0/46

All: 62.582+/-26.773 χ^2/NDF: 66.2/87

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 181.837+/-0.046 χ^2/NDF: 2174816.9/21

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

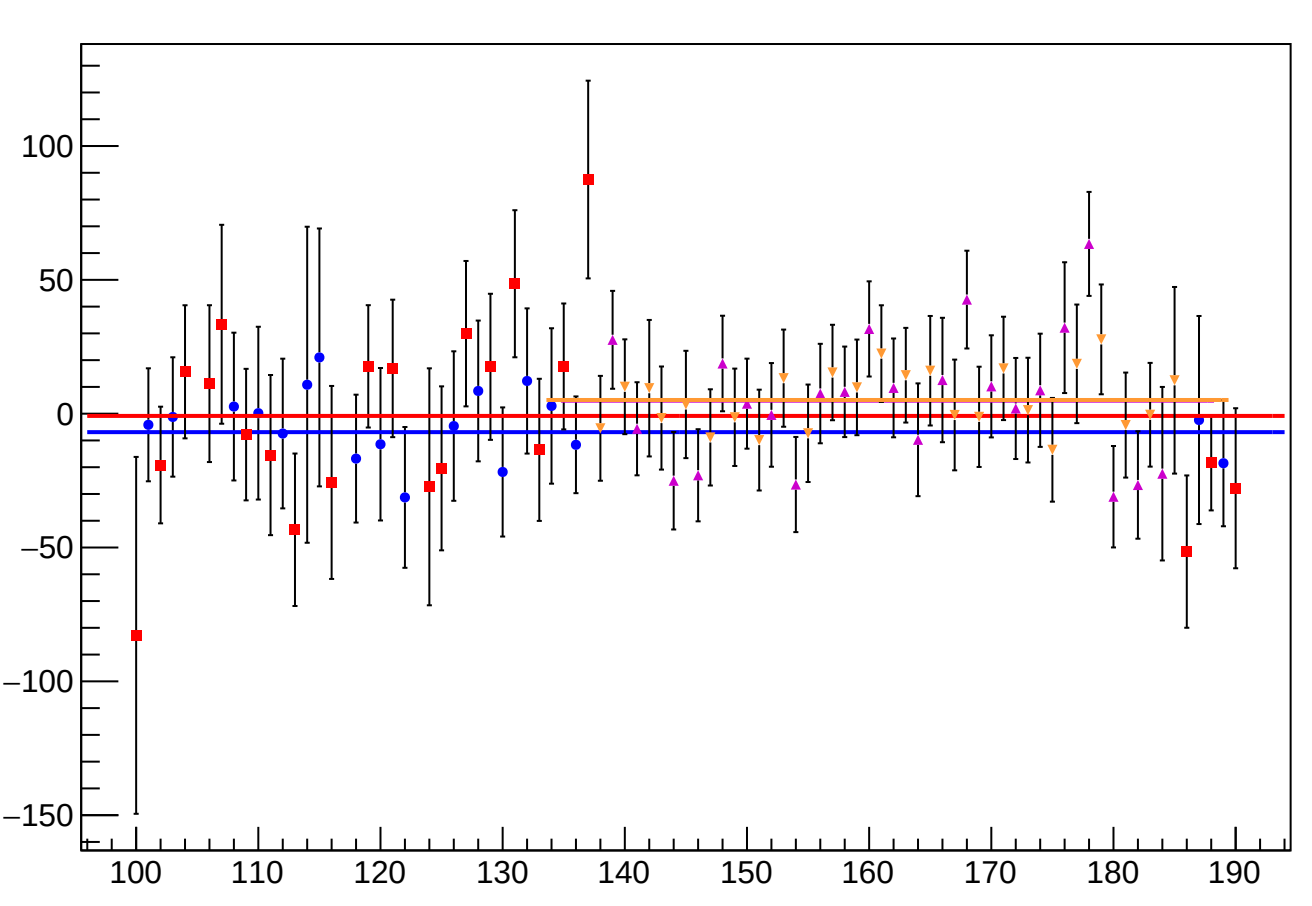
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 189.261+/-0.035 χ^2/NDF: 3423161.5/39

In: 184.828+/-0.027 χ^2/NDF:2909524.0/40

Out: 192.236+/-0.027 χ^2/NDF:4041520.7/46

All: 188.530+/-0.019 χ^2/NDF: 6989318.4/87



Right In: -6.898+/-6.265 χ^2/NDF: 3.4/17

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -0.835+/-5.858 χ^2/NDF: 25.1/21

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

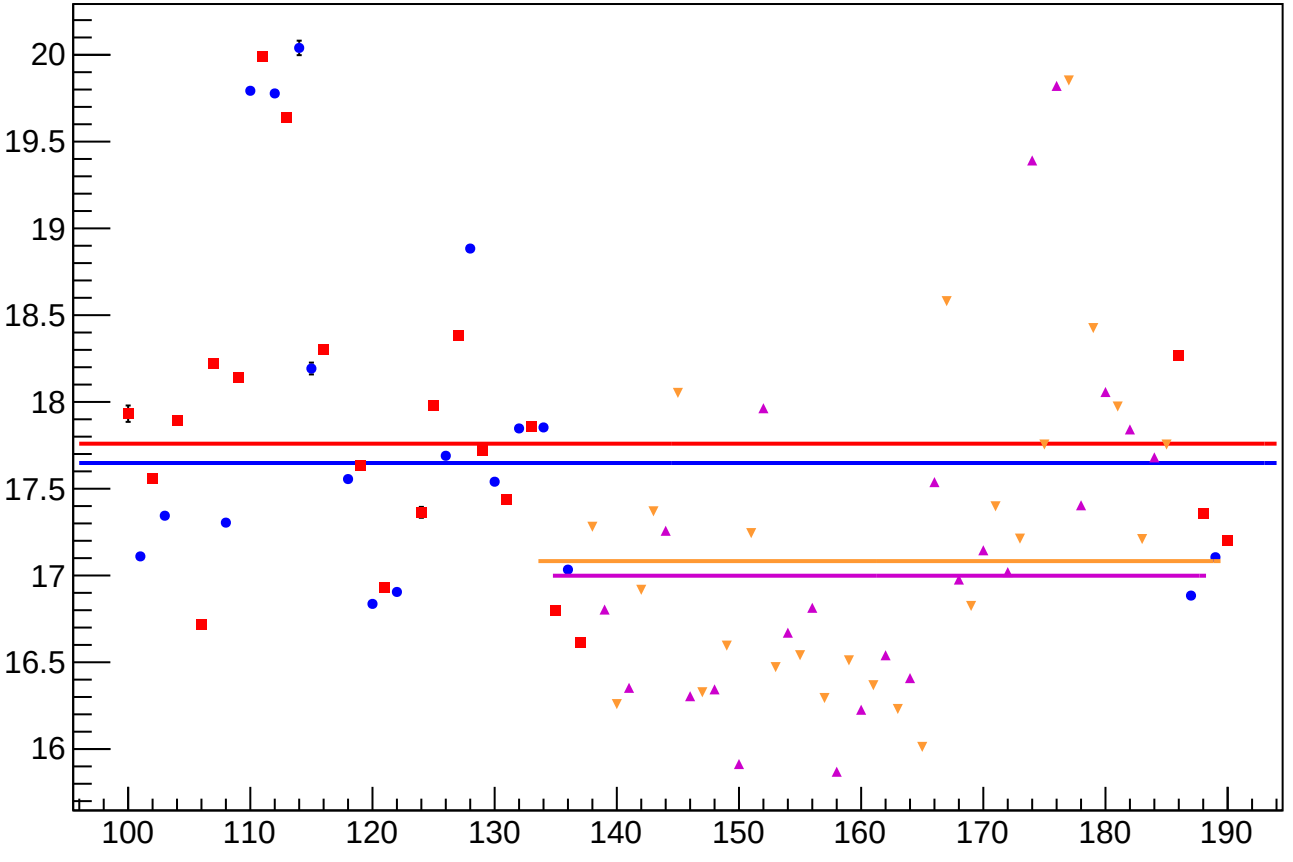
Right: -3.663+/-4.279 χ^2/NDF: 29.0/39

In: 1.478+/-3.360 χ^2/NDF:41.4/40

Out: 3.297+/-3.241 χ^2/NDF:33.7/46

All: 2.420+/-2.332 χ^2/NDF: 75.3/87

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.648+/-0.004 χ^2/NDF: 38009.9/17

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.759+/-0.004 χ^2/NDF: 35212.2/21

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

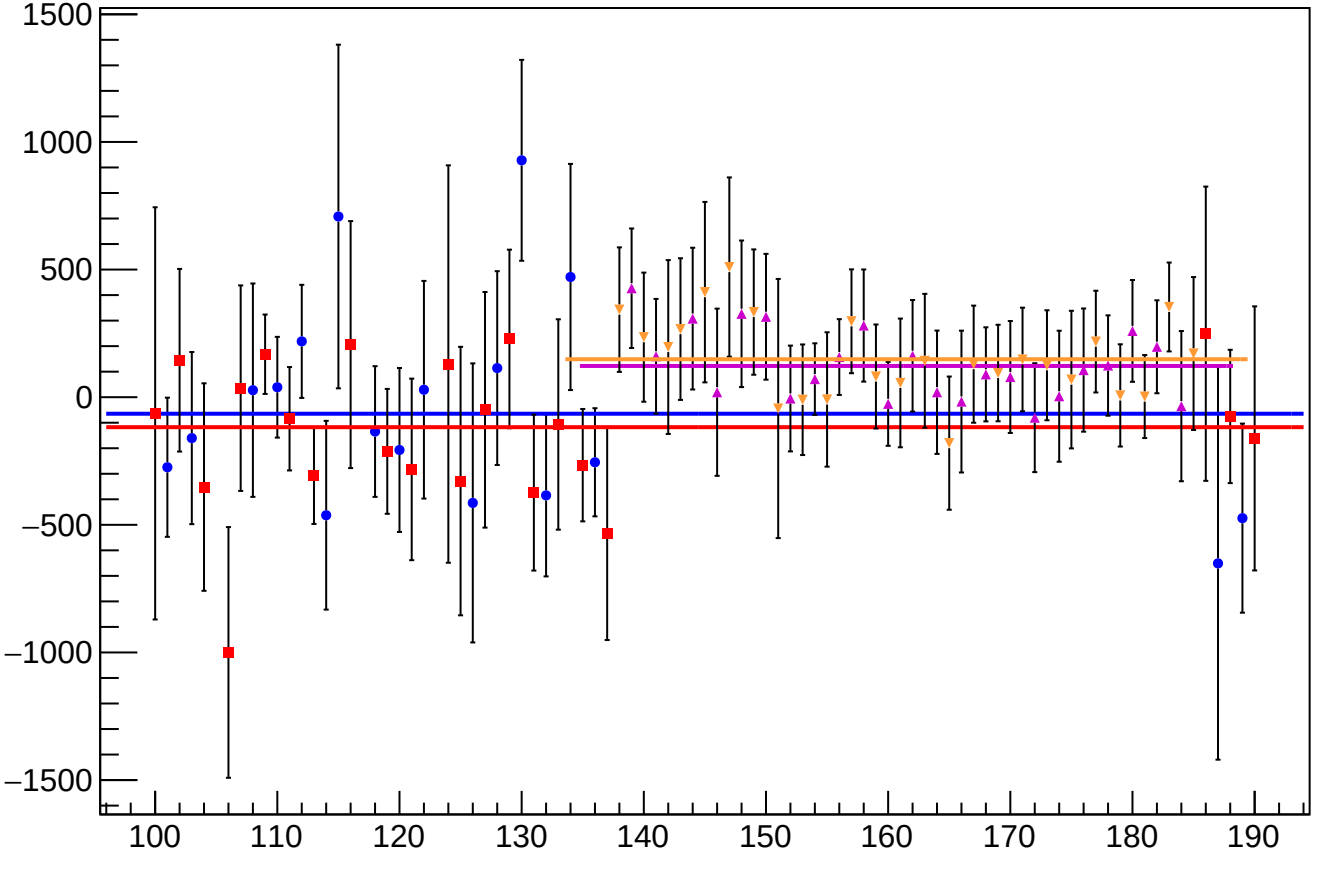
Right: 17.708+/-0.003 χ^2/NDF: 73558.8/39

In: 17.185+/-0.002 χ^2/NDF:157340.6/40

Out: 17.290+/-0.002 χ^2/NDF:150501.3/46

All: 17.240+/-0.002 χ^2/NDF: 308844.2/87

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -64.760+/-75.157 χ^2/NDF: 17.5/17

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -117.452+/-65.825 χ^2/NDF: 13.3/21

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

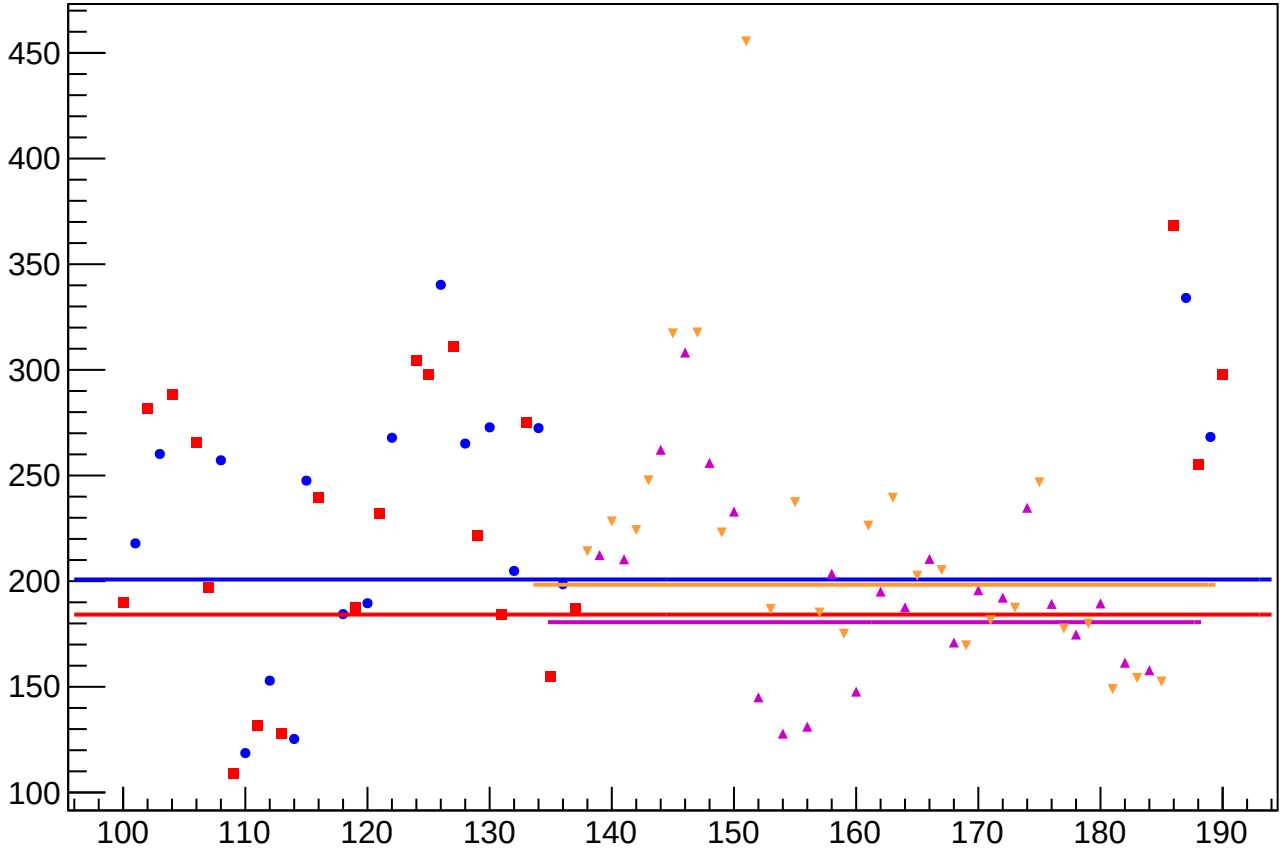
Right: -94.579+/-49.518 χ^2/NDF: 31.1/39

In: 74.477+/-38.023 χ^2/NDF:30.0/40

Out: 59.593+/-38.096 χ^2/NDF:33.7/46

All: 67.049+/-26.912 χ^2/NDF: 63.8/87

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 200.809+/-0.053 χ^2/NDF: 1133263.1/17

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 184.185+/-0.047 χ^2/NDF: 2076220.4/21

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

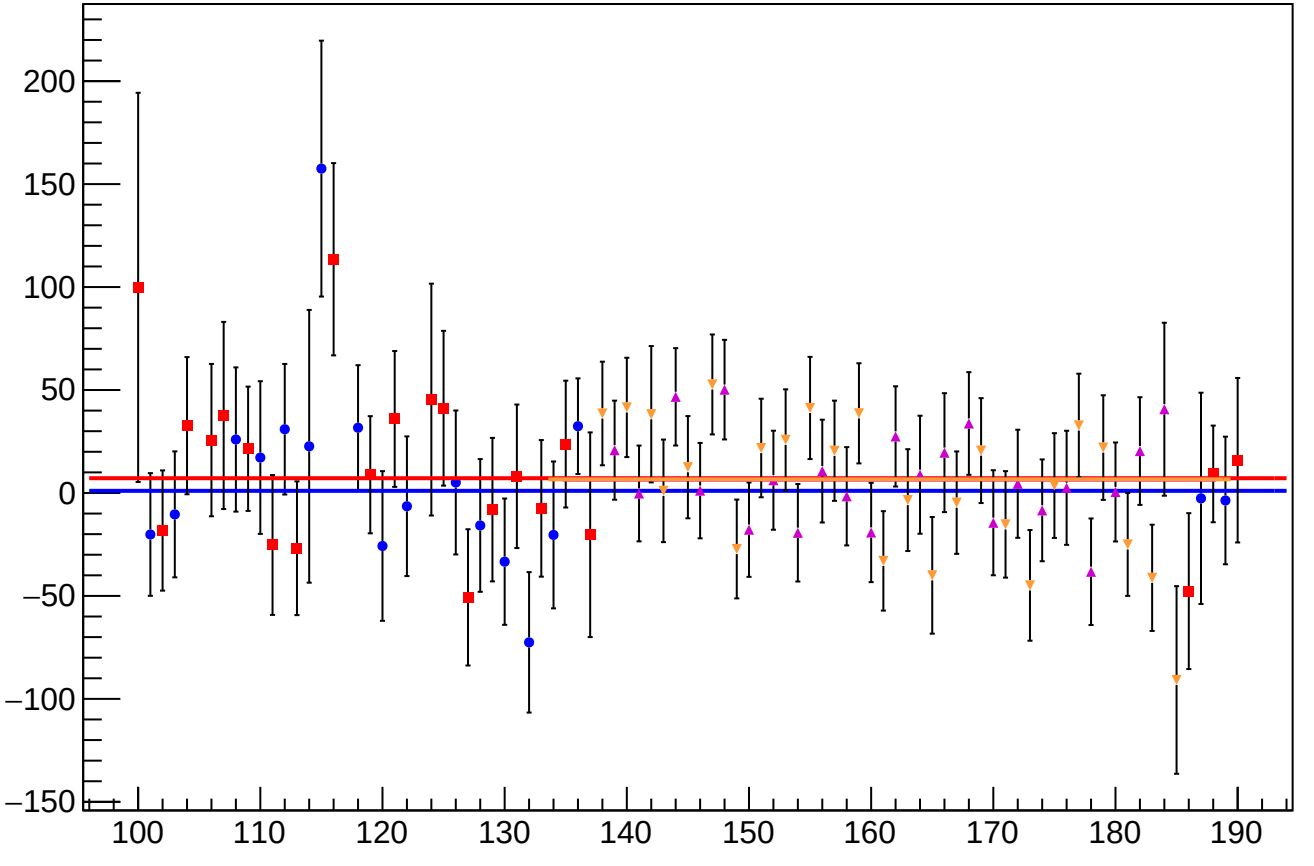
Right: 191.402+/-0.035 χ^2/NDF: 3264854.2/39

In: 185.774+/-0.027 χ^2/NDF:2868910.9/40

Out: 193.581+/-0.027 χ^2/NDF:3927772.2/46

All: 189.670+/-0.019 χ^2/NDF: 6838765.9/87

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.036+/-7.982 χ^2/NDF: 18.7/17

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 7.165+/-7.449 χ^2/NDF: 18.7/21

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

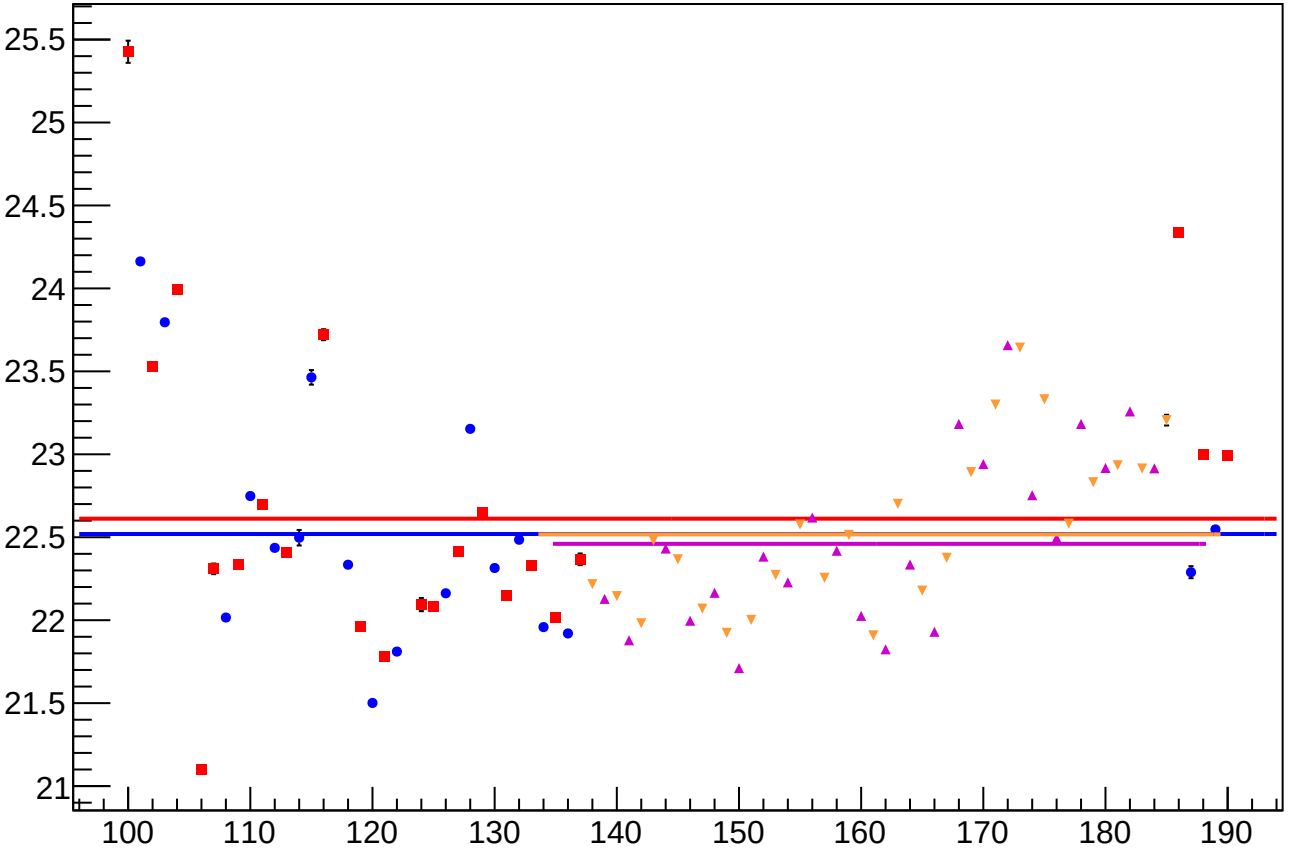
Right: 4.312+/-5.446 χ^2/NDF: 37.7/39

In: 4.839+/-4.384 χ^2/NDF:36.5/40

Out: 6.789+/-4.218 χ^2/NDF:55.6/46

All: 5.852+/-3.040 χ^2/NDF: 92.1/87

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.519+/-0.006 χ^2/NDF: 15990.2/17

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.612+/-0.005 χ^2/NDF: 21130.3/21

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

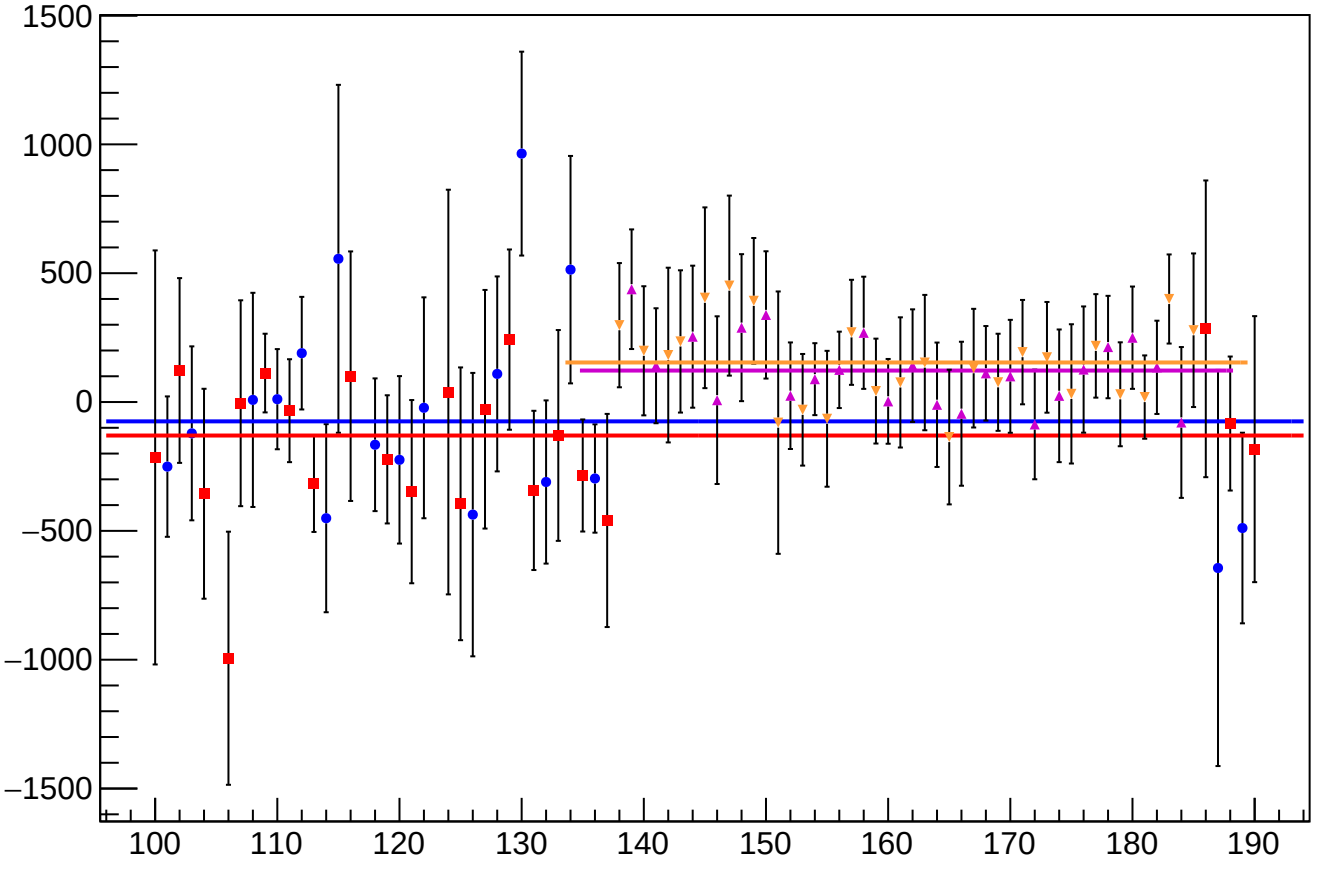
Right: 22.569+/-0.004 χ^2/NDF: 37263.7/39

In: 22.478+/-0.003 χ^2/NDF:35184.3/40

Out: 22.548+/-0.003 χ^2/NDF:37351.3/46

All: 22.514+/-0.002 χ^2/NDF: 72797.4/87

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -129.994+/-65.386 χ^2/NDF: 12.2/21

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

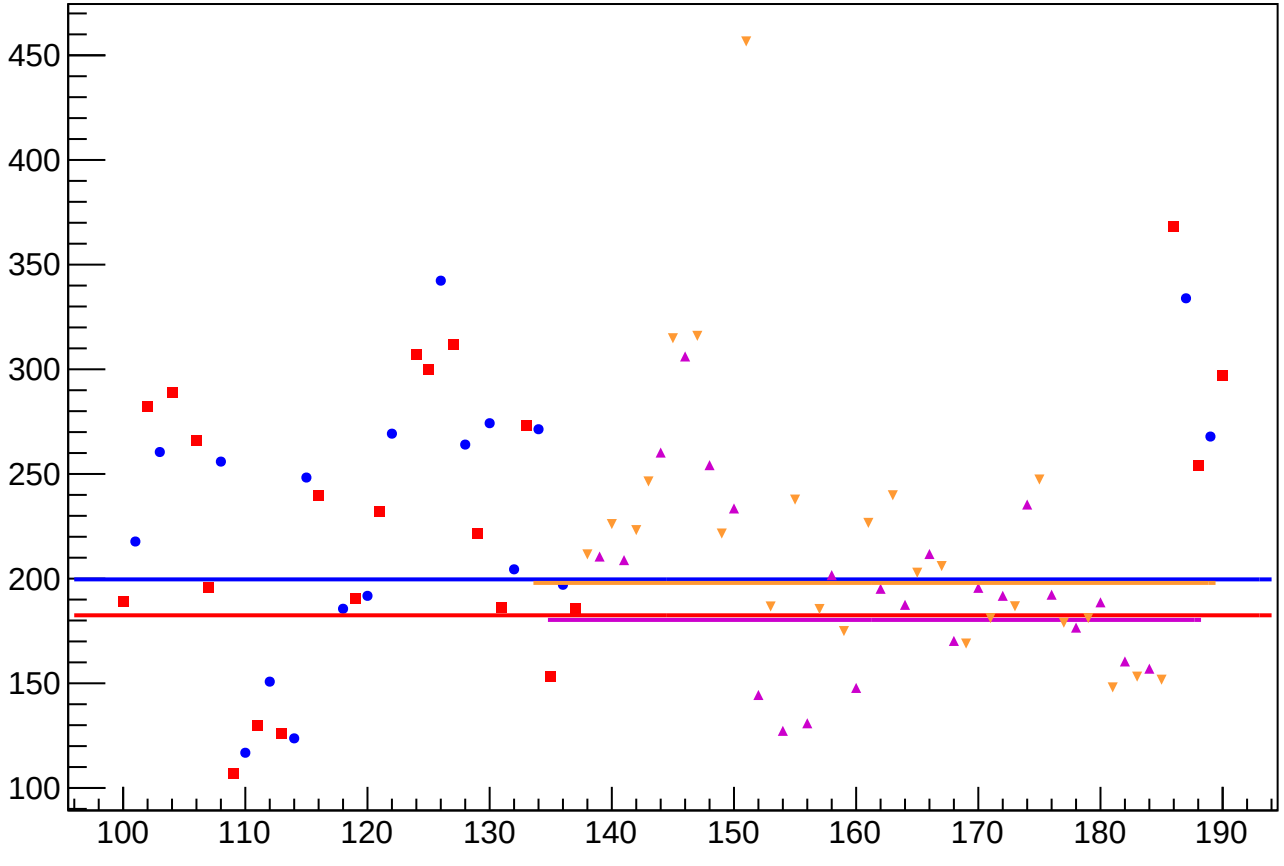
Right: -106.195+/-49.239 χ^2/NDF: 29.7/39

In: 71.502+/-37.934 χ^2/NDF:29.9/40

Out: 57.915+/-37.968 χ^2/NDF:34.7/46

All: 64.715+/-26.835 χ^2/NDF: 64.6/87

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 182.483+/-0.046 χ^2/NDF: 2157127.8/21

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

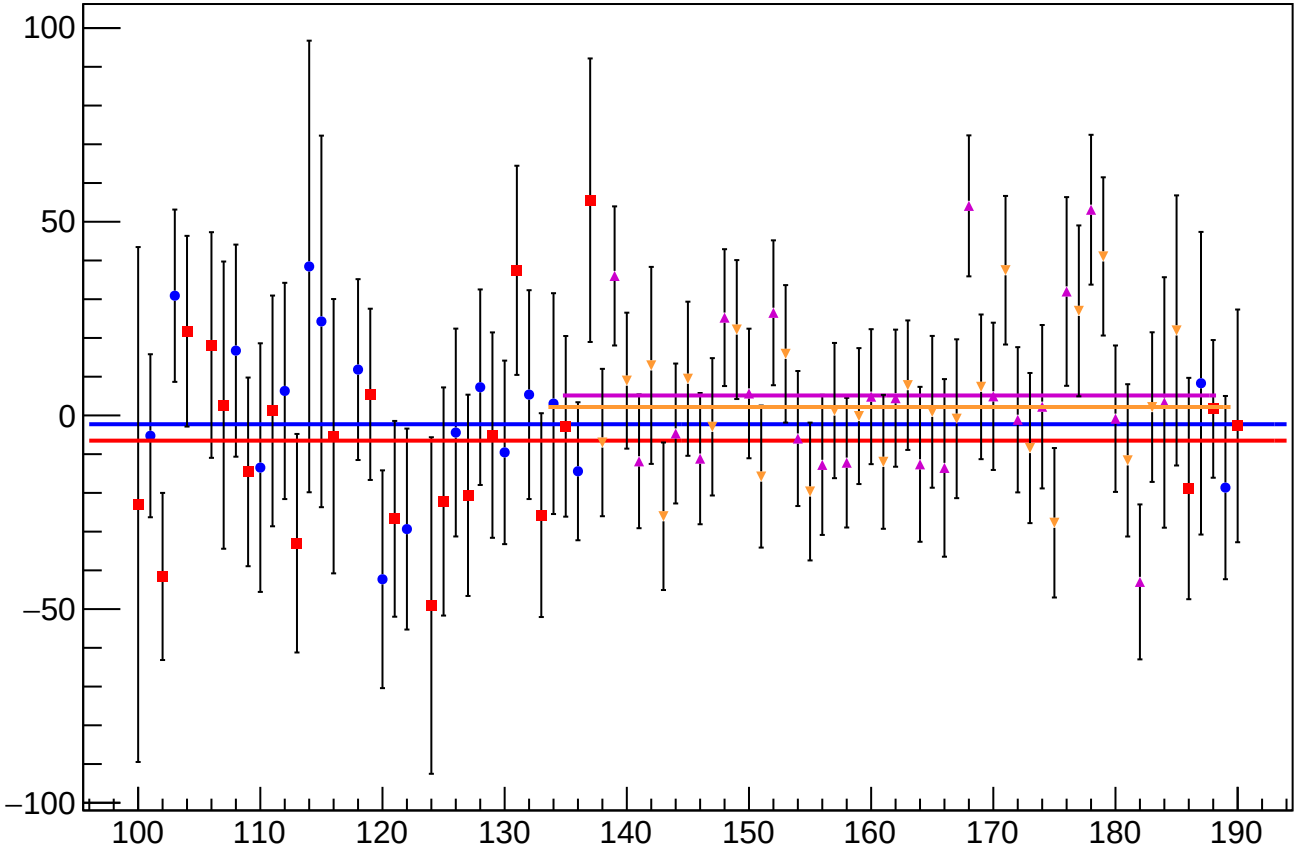
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 189.912+/-0.035 χ^2/NDF: 3393494.7/39

In: 185.251+/-0.027 χ^2/NDF:2900964.0/40

Out: 192.740+/-0.027 χ^2/NDF:4022725.1/46

All: 188.992+/-0.019 χ^2/NDF: 6962629.2/87



Right In: -2.273+/-6.187 χ^2/NDF: 8.6/17

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -6.510+/-5.783 χ^2/NDF: 14.8/21

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

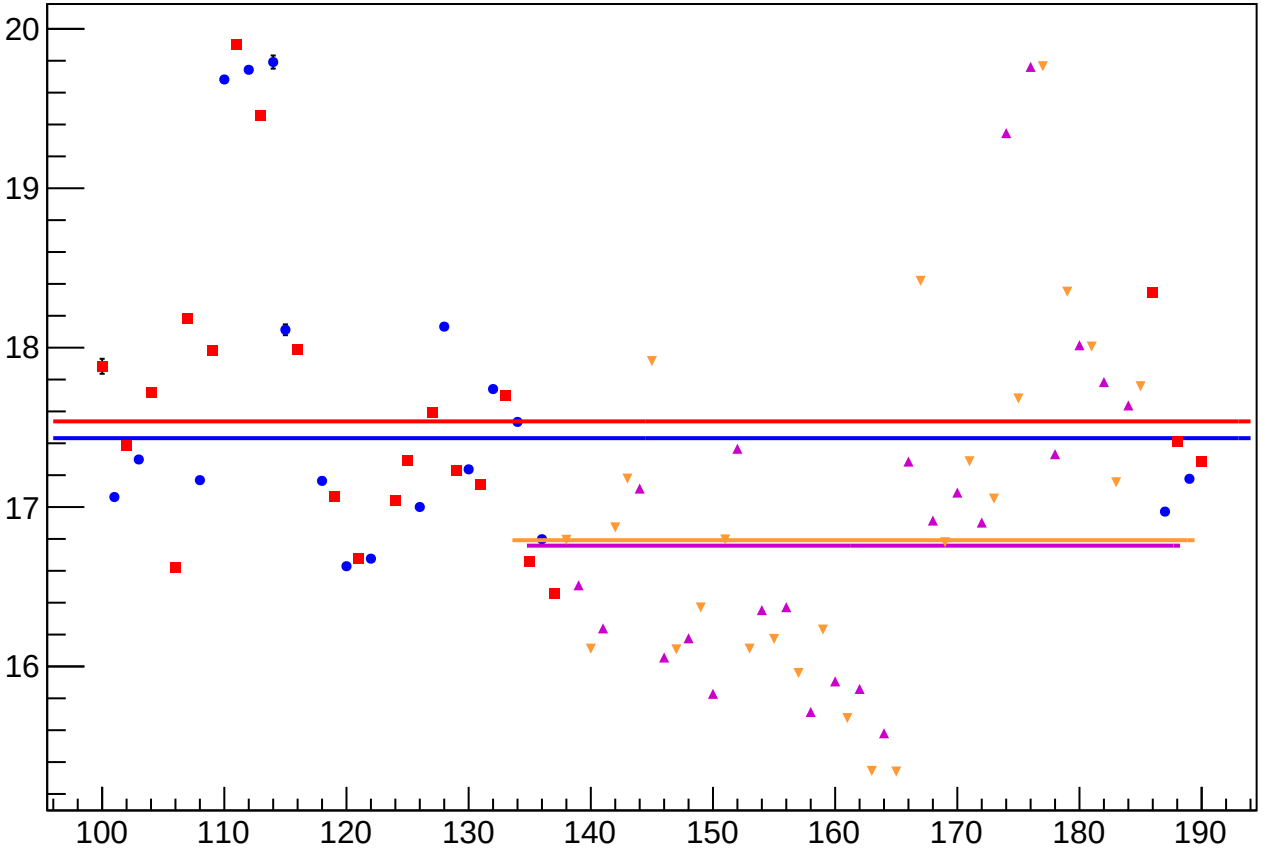
Right: -4.534+/-4.225 χ^2/NDF: 23.7/39

In: 3.021+/-3.314 χ^2/NDF:41.9/40

Out: -0.469+/-3.190 χ^2/NDF:36.4/46

All: 1.210+/-2.298 χ^2/NDF: 78.9/87

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.432+/-0.004 χ^2/NDF: 37209.2/17

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.537+/-0.004 χ^2/NDF: 36572.4/21

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

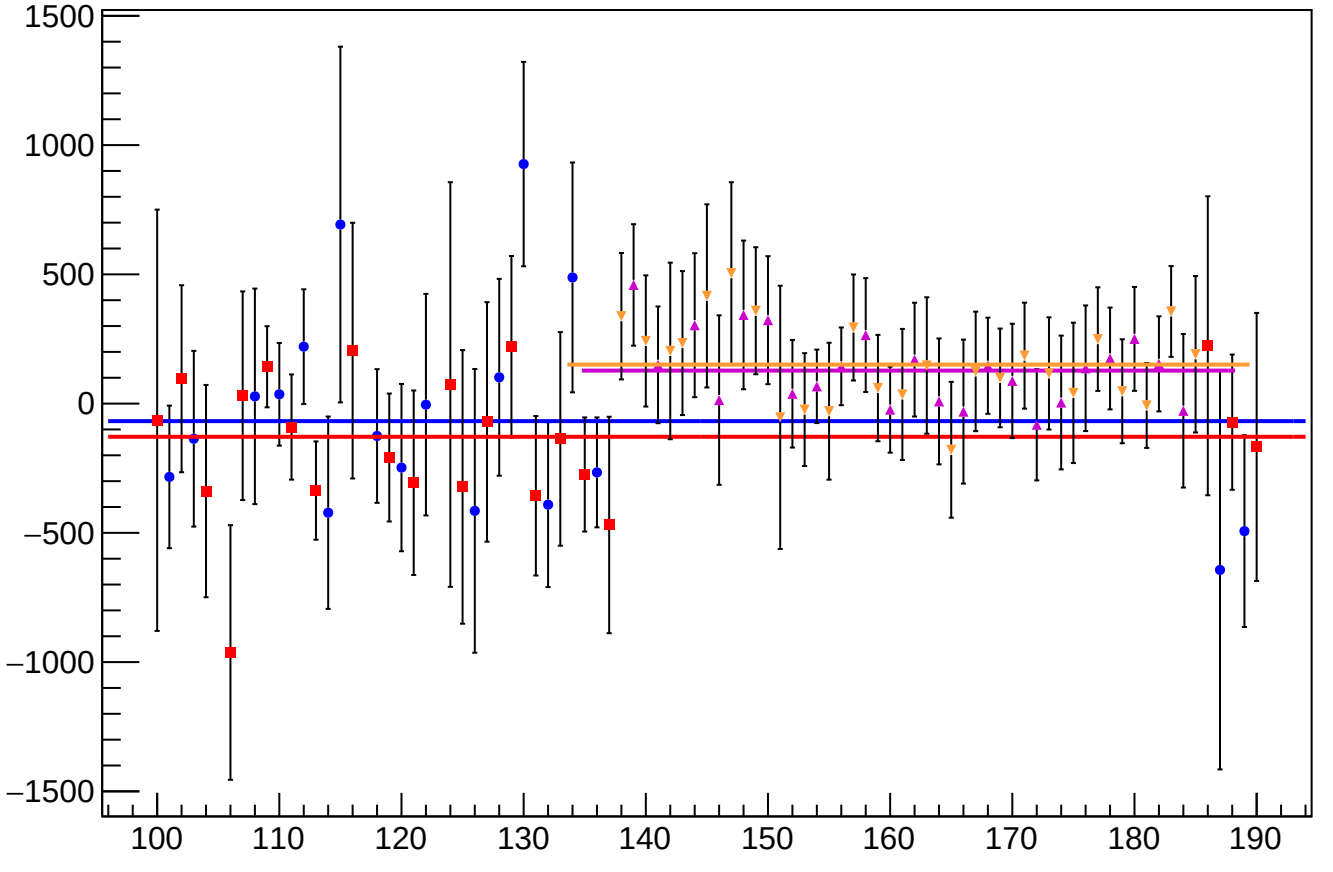
Right: 17.488+/-0.003 χ^2/NDF: 74090.5/39

In: 16.951+/-0.002 χ^2/NDF:177460.0/40

Out: 17.019+/-0.002 χ^2/NDF:196690.2/46

All: 16.986+/-0.002 χ^2/NDF: 374582.0/87

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -67.819+/-75.575 χ^2/NDF: 17.4/17

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -128.394+/-66.224 χ^2/NDF: 12.0/21

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

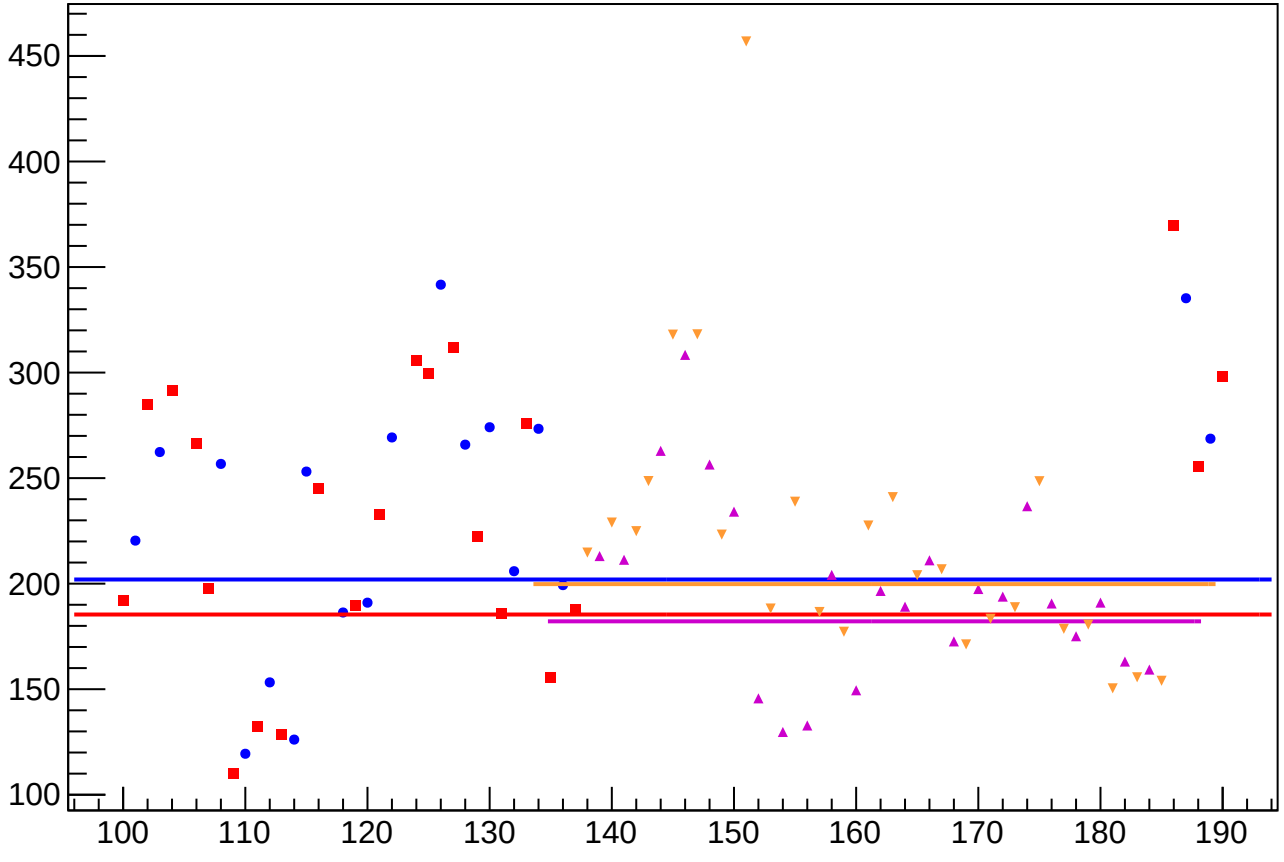
Right: -102.084+/-49.808 χ^2/NDF: 29.8/39

In: 77.495+/-38.299 χ^2/NDF:30.2/40

Out: 57.243+/-38.347 χ^2/NDF:33.8/46

All: 67.382+/-27.099 χ^2/NDF: 64.1/87

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 201.973+/-0.053 χ^2/NDF: 1130700.3/17

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 185.382+/-0.047 χ^2/NDF: 2071802.6/21

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

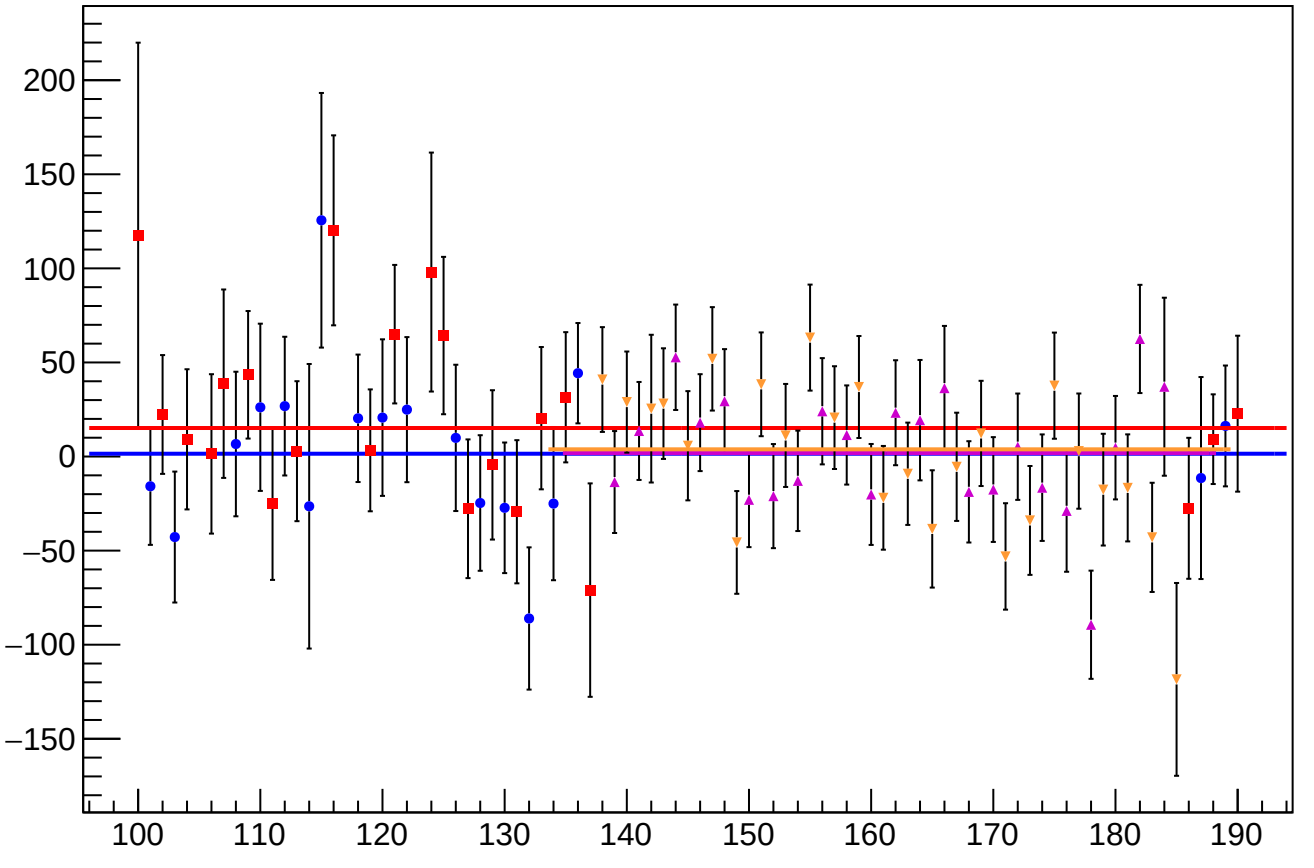
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 192.588+/-0.035 χ^2/NDF: 3257023.4/39

In: 187.241+/-0.027 χ^2/NDF:2817315.6/40

Out: 194.956+/-0.027 χ^2/NDF:3895008.4/46

All: 191.093+/-0.019 χ^2/NDF: 6752848.0/87



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 15.159+/-8.207 χ^2/NDF: 19.5/21

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

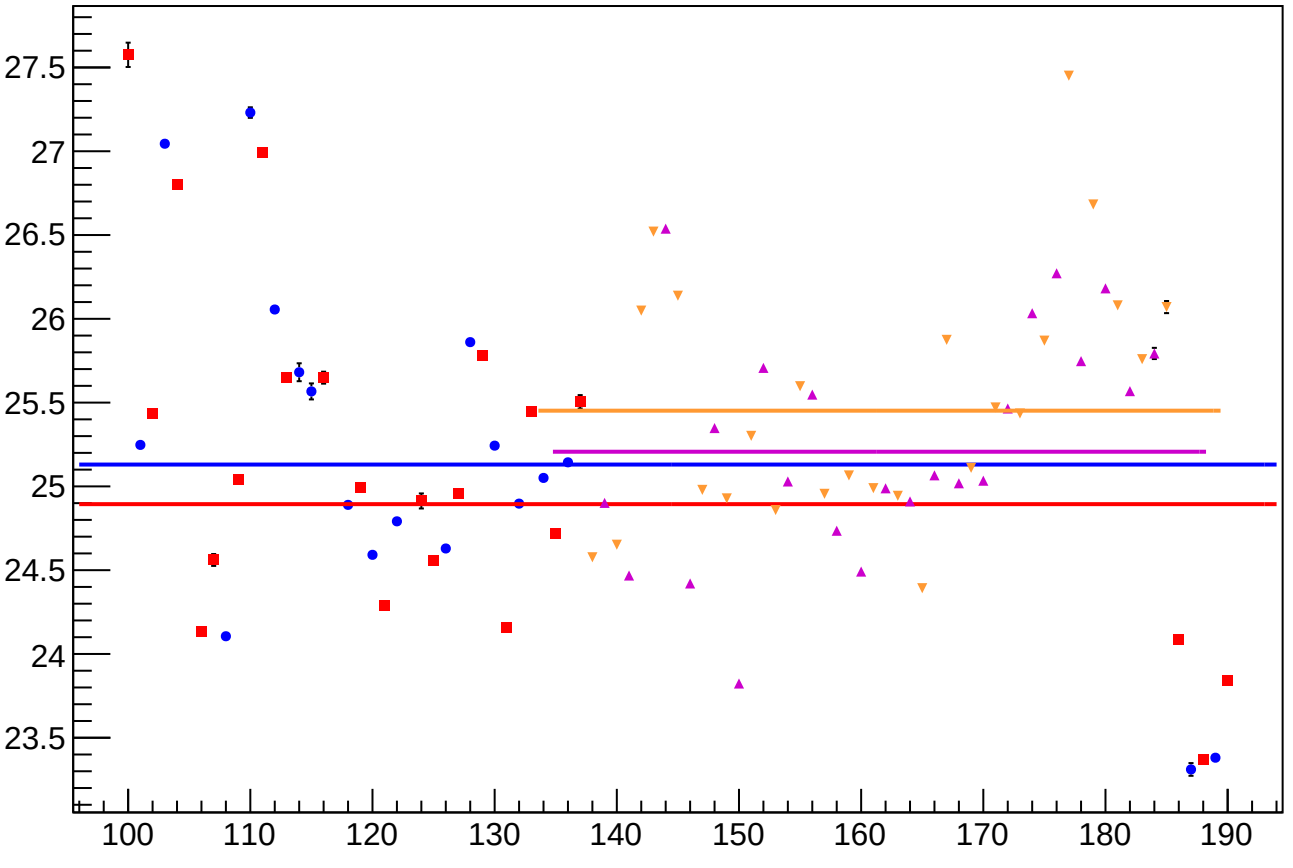
Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

Right: 8.890+/-6.038 χ^2/NDF: 37.8/39

In: 1.741+/-4.916 χ^2/NDF:45.1/40

Out: 7.595+/-4.730 χ^2/NDF:58.4/46

All: 4.780+/-3.409 χ^2/NDF: 104.2/87



Right In: 25.130+/-0.006 χ^2/NDF: 23513.5/17

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.894+/-0.006 χ^2/NDF: 28149.8/21

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

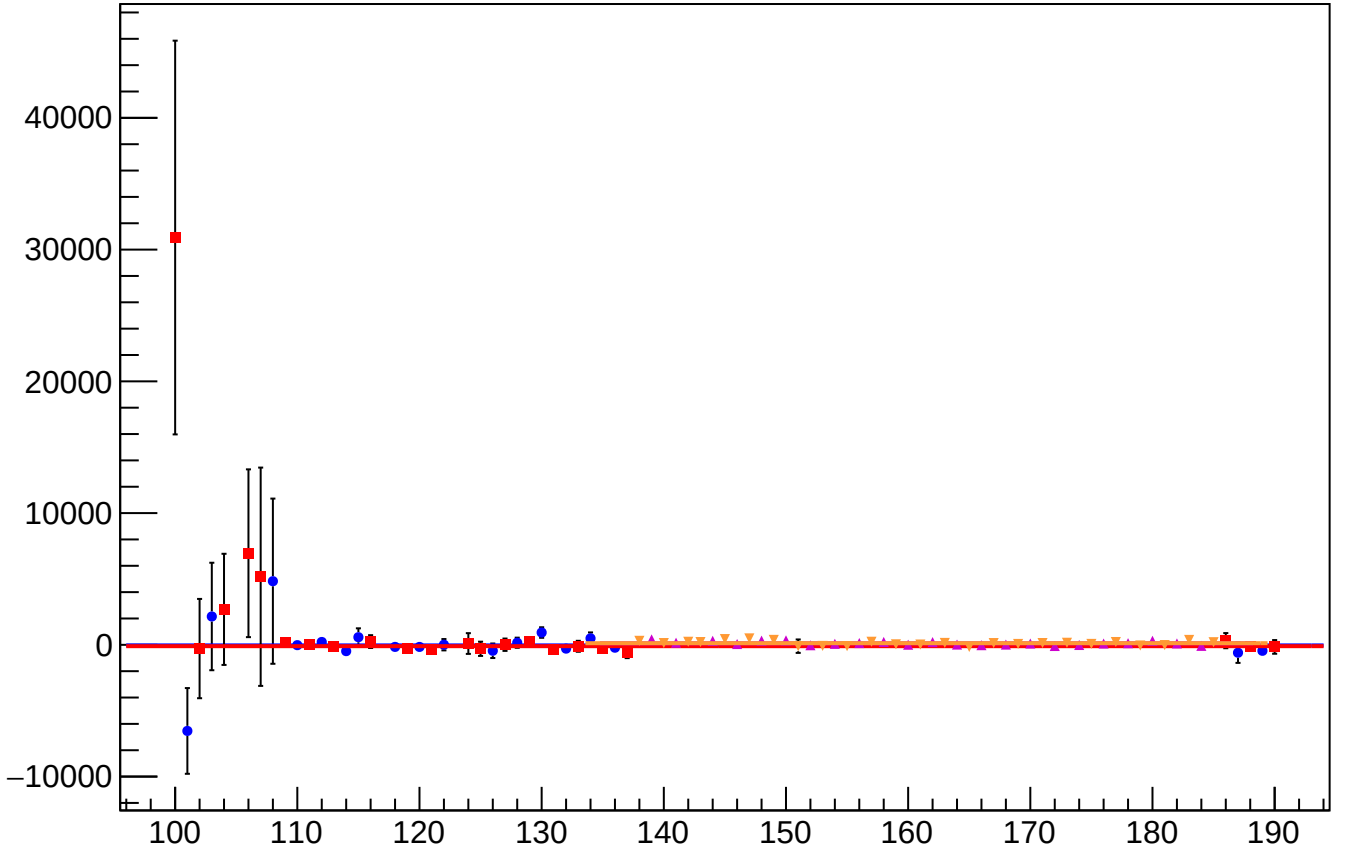
Right: 25.002+/-0.004 χ^2/NDF: 52423.7/39

In: 25.184+/-0.003 χ^2/NDF:49443.4/40

Out: 25.267+/-0.003 χ^2/NDF:63931.8/46

All: 25.227+/-0.002 χ^2/NDF: 113670.9/87

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.428+/-82.109 χ^2/NDF: 20.1/17

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -102.348+/-73.460 χ^2/NDF: 14.6/21

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

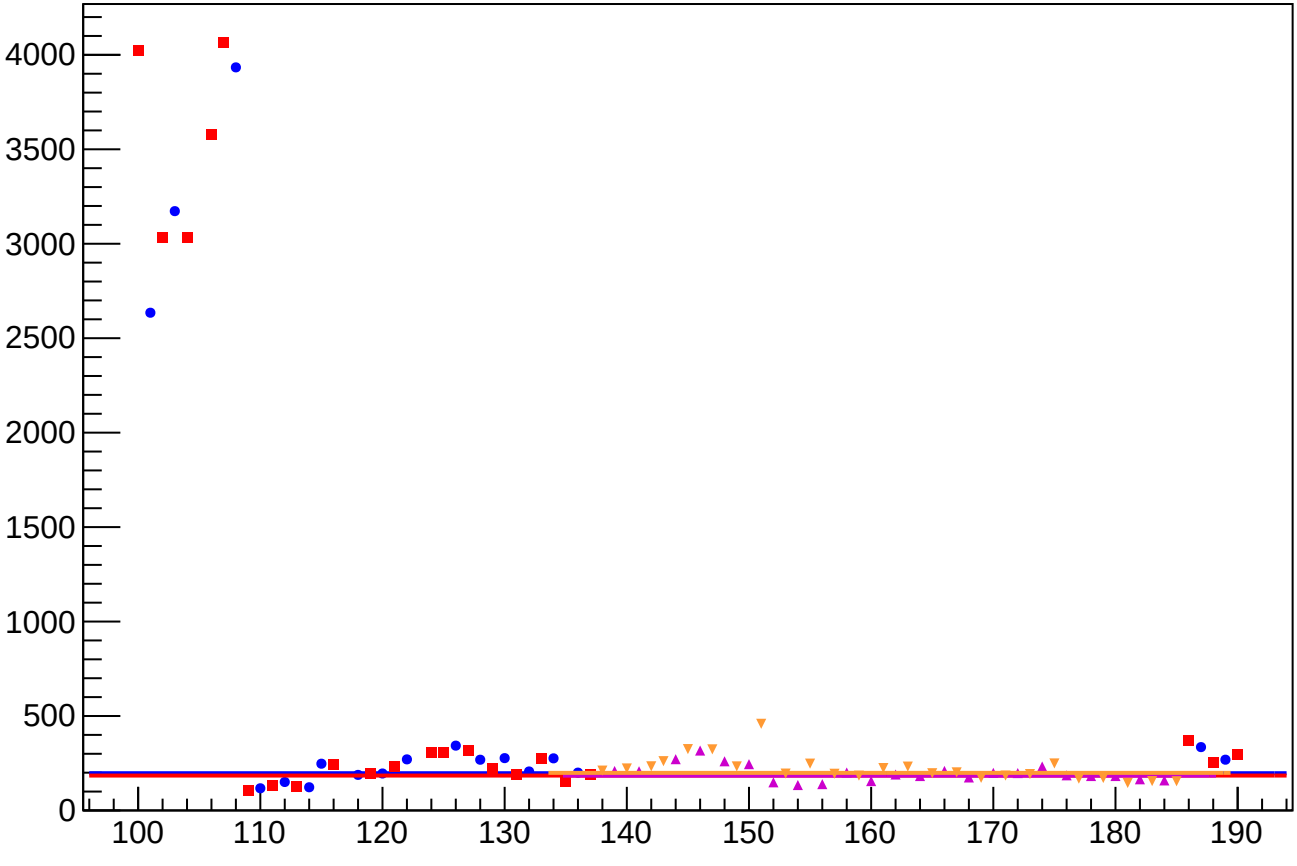
Right: -76.154+/-54.747 χ^2/NDF: 35.0/39

In: 80.331+/-39.375 χ^2/NDF:31.1/40

Out: 59.228+/-39.546 χ^2/NDF:32.5/46

All: 69.825+/-27.903 χ^2/NDF: 63.7/87

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.131+/-0.058 χ^2/NDF: 3968536.0/17

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 184.727+/-0.052 χ^2/NDF: 4797560.2/21

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

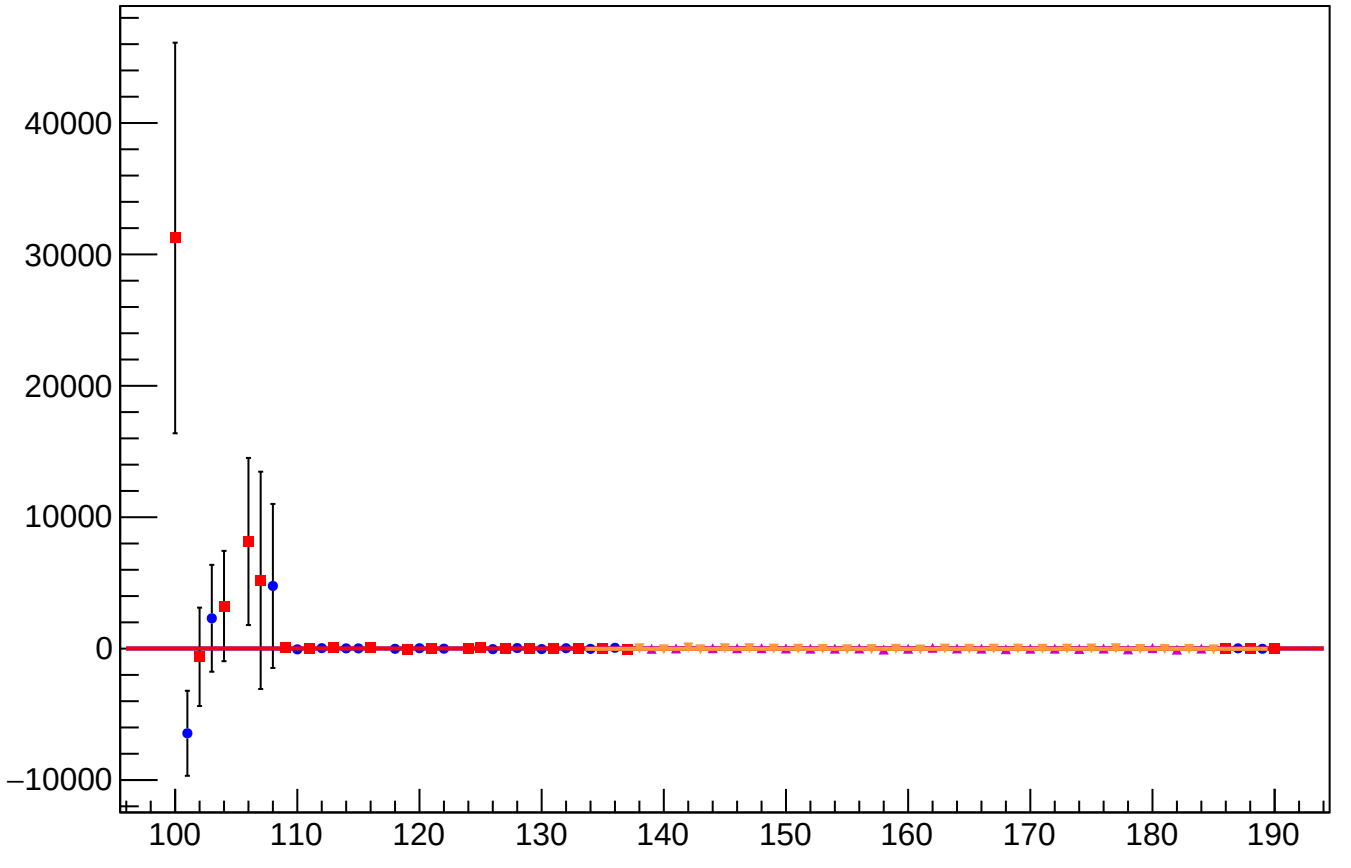
Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

Right: 190.241+/-0.039 χ^2/NDF: 8791445.6/39

In: 187.327+/-0.028 χ^2/NDF:5451871.8/40

Out: 194.859+/-0.028 χ^2/NDF:6753289.7/46

All: 191.077+/-0.020 χ^2/NDF: 12241600.9/87



Right In: 7.783+/-10.962 χ^2/NDF: 16.4/17

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 13.127+/-10.407 χ^2/NDF: 26.8/21

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

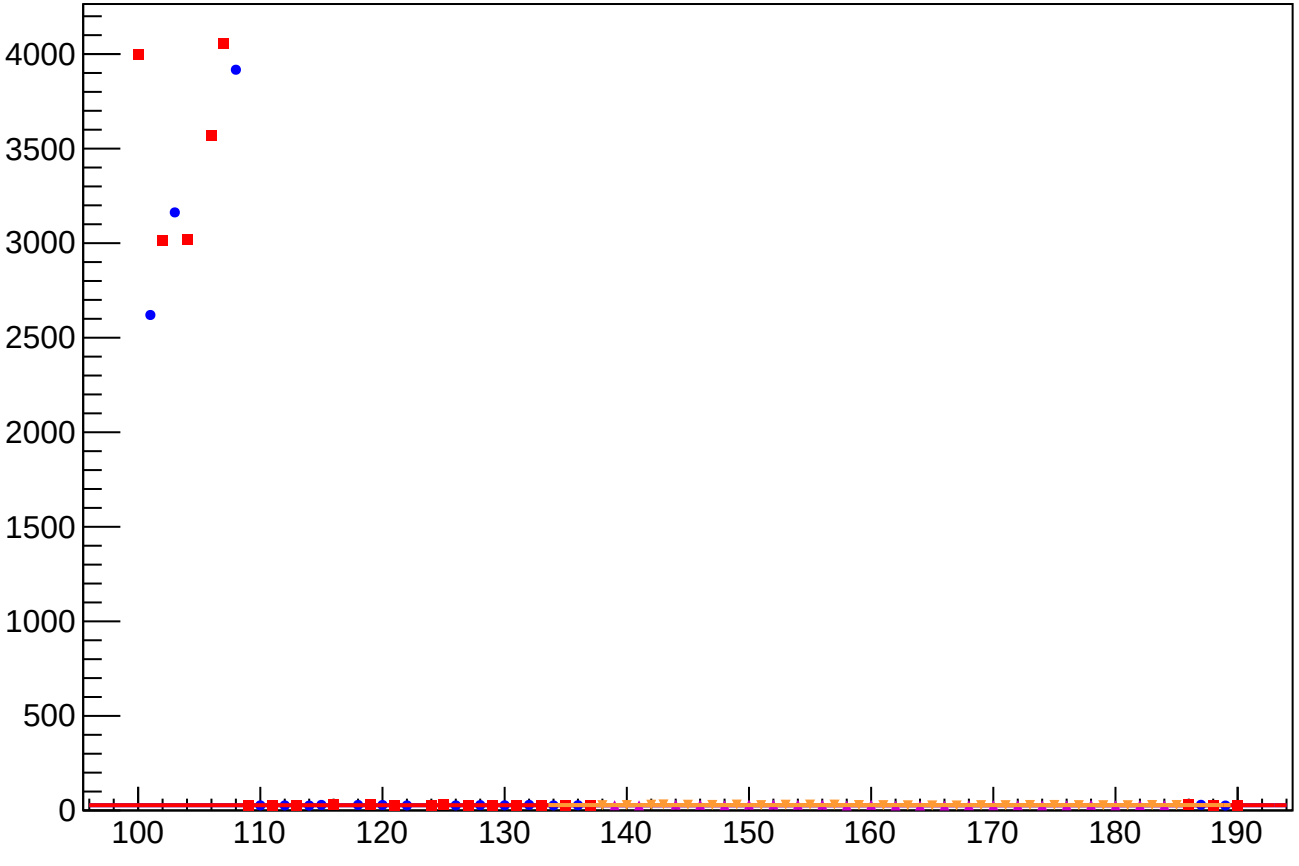
Right: 10.594+/-7.547 χ^2/NDF: 43.3/39

In: 3.699+/-5.719 χ^2/NDF:44.9/40

Out: -6.962+/-5.520 χ^2/NDF:54.2/46

All: -1.820+/-3.972 χ^2/NDF: 100.9/87

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.530+/-0.008 χ^2/NDF: 3271916.3/17

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.741+/-0.007 χ^2/NDF: 3575214.4/21

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

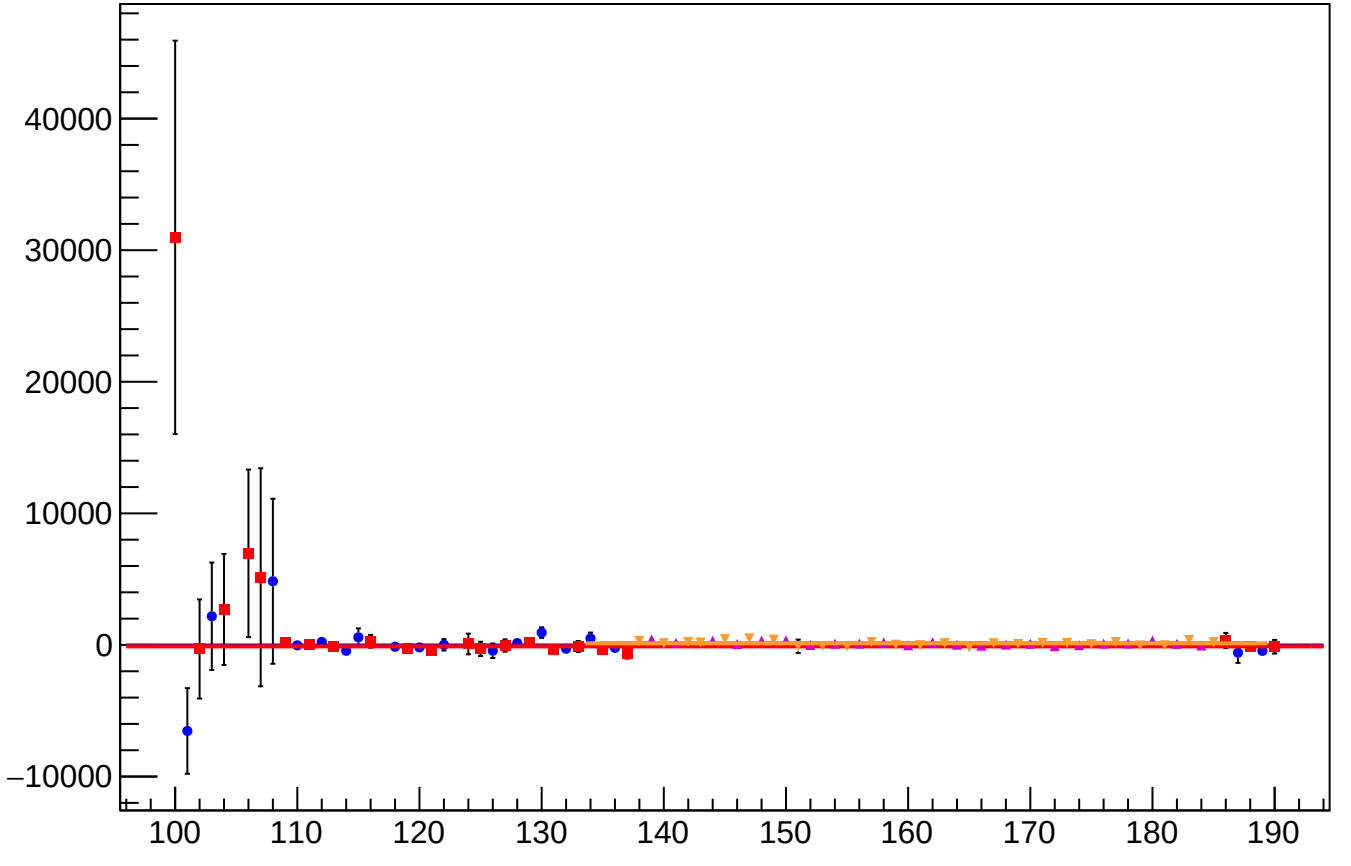
Right: 27.641+/-0.005 χ^2/NDF: 6847520.8/39

In: 28.313+/-0.004 χ^2/NDF:3408870.7/40

Out: 28.348+/-0.004 χ^2/NDF:3672816.2/46

All: 28.331+/-0.003 χ^2/NDF: 7081725.9/87

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -107.948+/-73.265 χ^2/NDF: 15.1/21

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

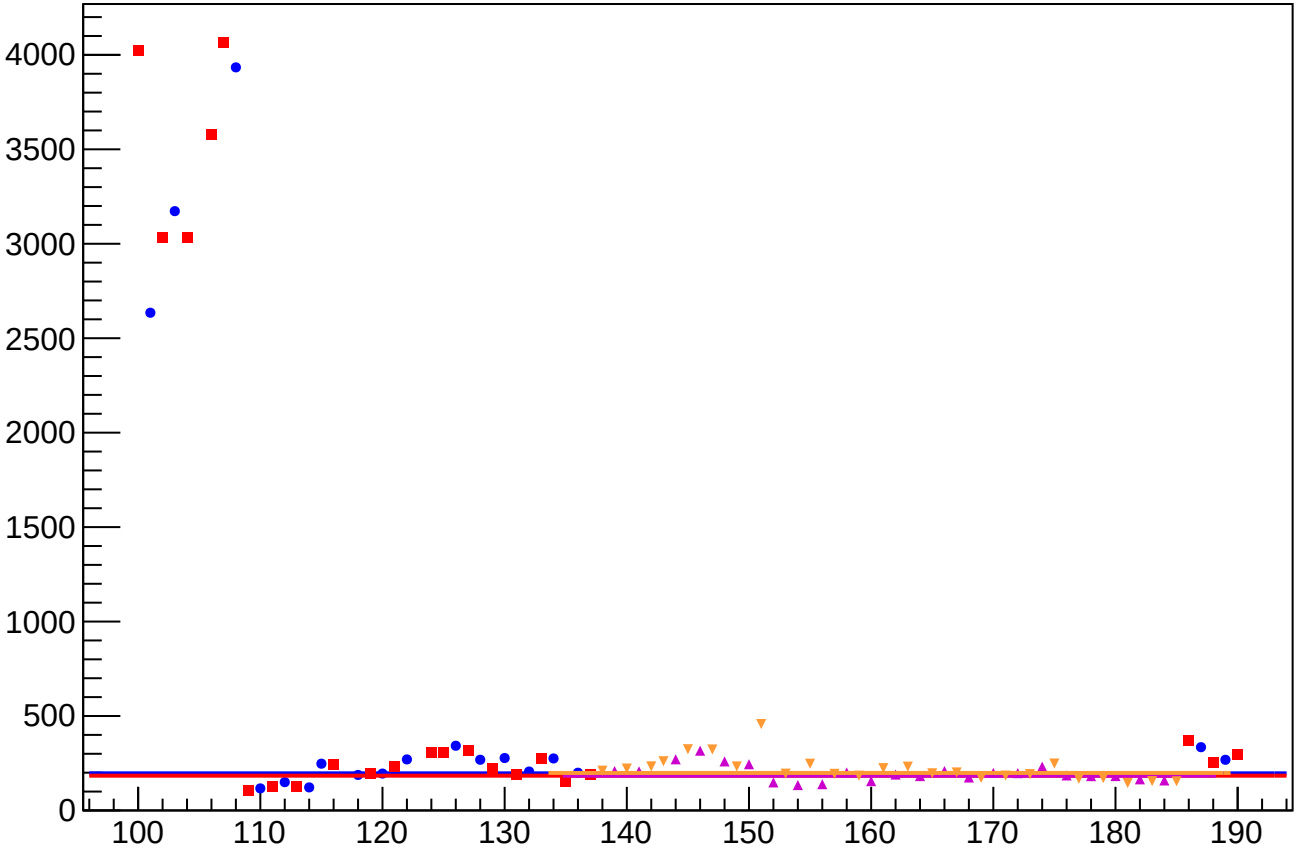
Right: -78.201+/-54.597 χ^2/NDF: 35.6/39

In: 80.017+/-39.292 χ^2/NDF:31.4/40

Out: 55.252+/-39.455 χ^2/NDF:34.1/46

All: 67.686+/-27.841 χ^2/NDF: 65.7/87

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 184.110+/-0.052 χ^2/NDF: 4815066.0/21

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

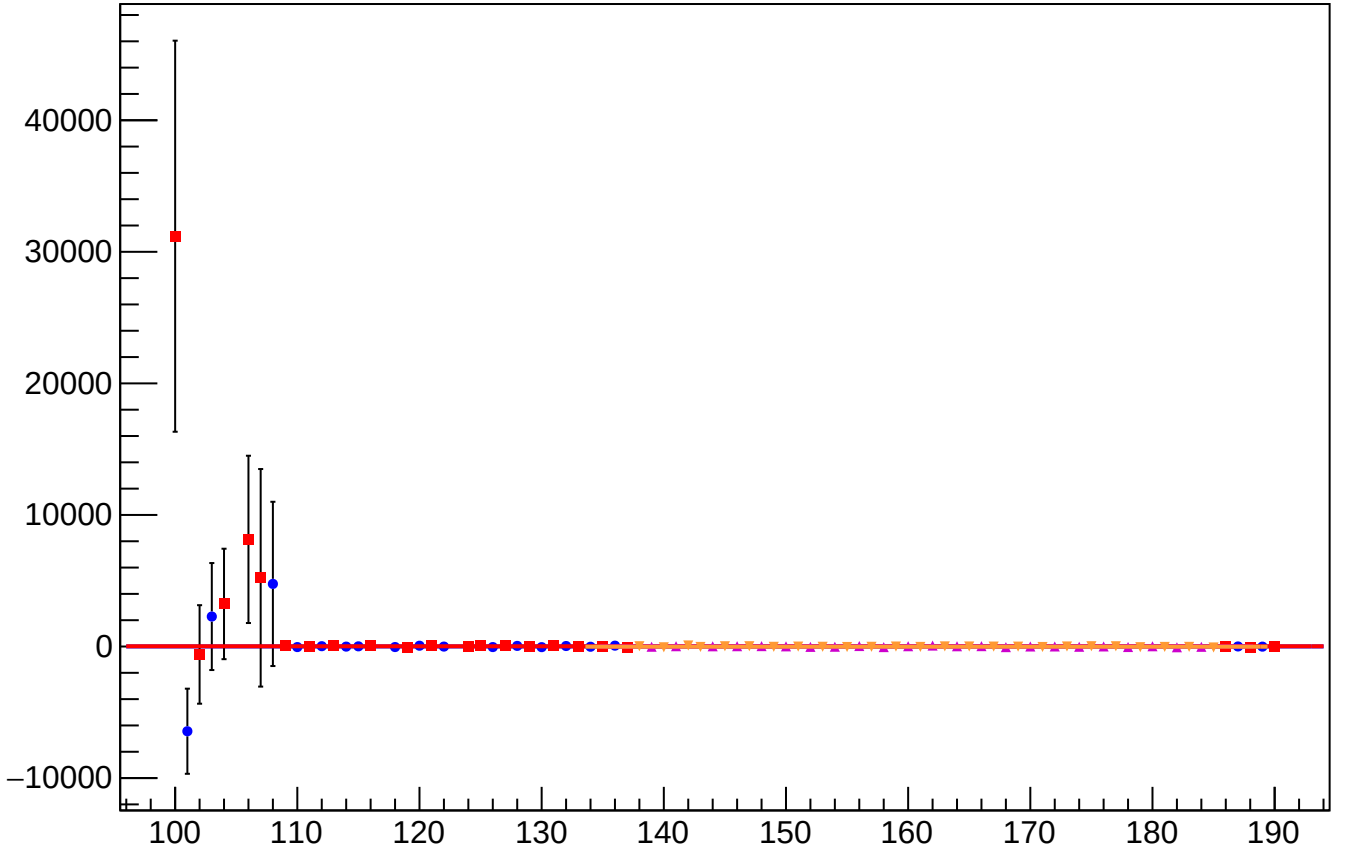
Right: 189.603+/-0.039 χ^2/NDF: 8821979.0/39

In: 186.909+/-0.028 χ^2/NDF:5462435.1/40

Out: 194.377+/-0.028 χ^2/NDF:6771883.7/46

All: 190.628+/-0.020 χ^2/NDF: 12270291.4/87

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.860+/-11.021 χ^2/NDF: 18.5/17

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 18.368+/-10.452 χ^2/NDF: 25.5/21

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

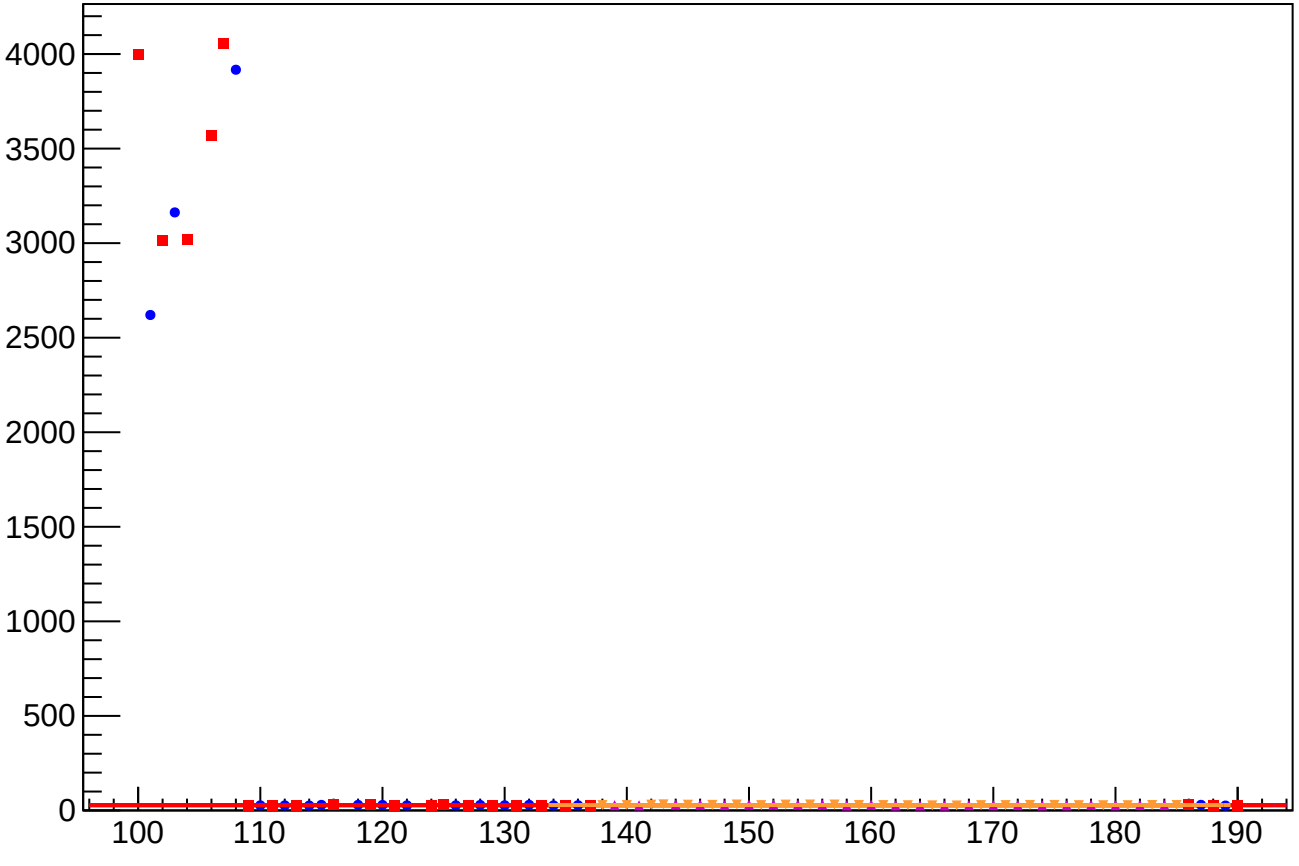
Right: 11.971+/-7.584 χ^2/NDF: 44.7/39

In: 3.197+/-5.745 χ^2/NDF:40.7/40

Out: -3.356+/-5.544 χ^2/NDF:49.4/46

All: -0.196+/-3.990 χ^2/NDF: 90.7/87

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.674+/-0.008 χ^2/NDF: 3273467.6/17

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.863+/-0.007 χ^2/NDF: 3572575.0/21

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

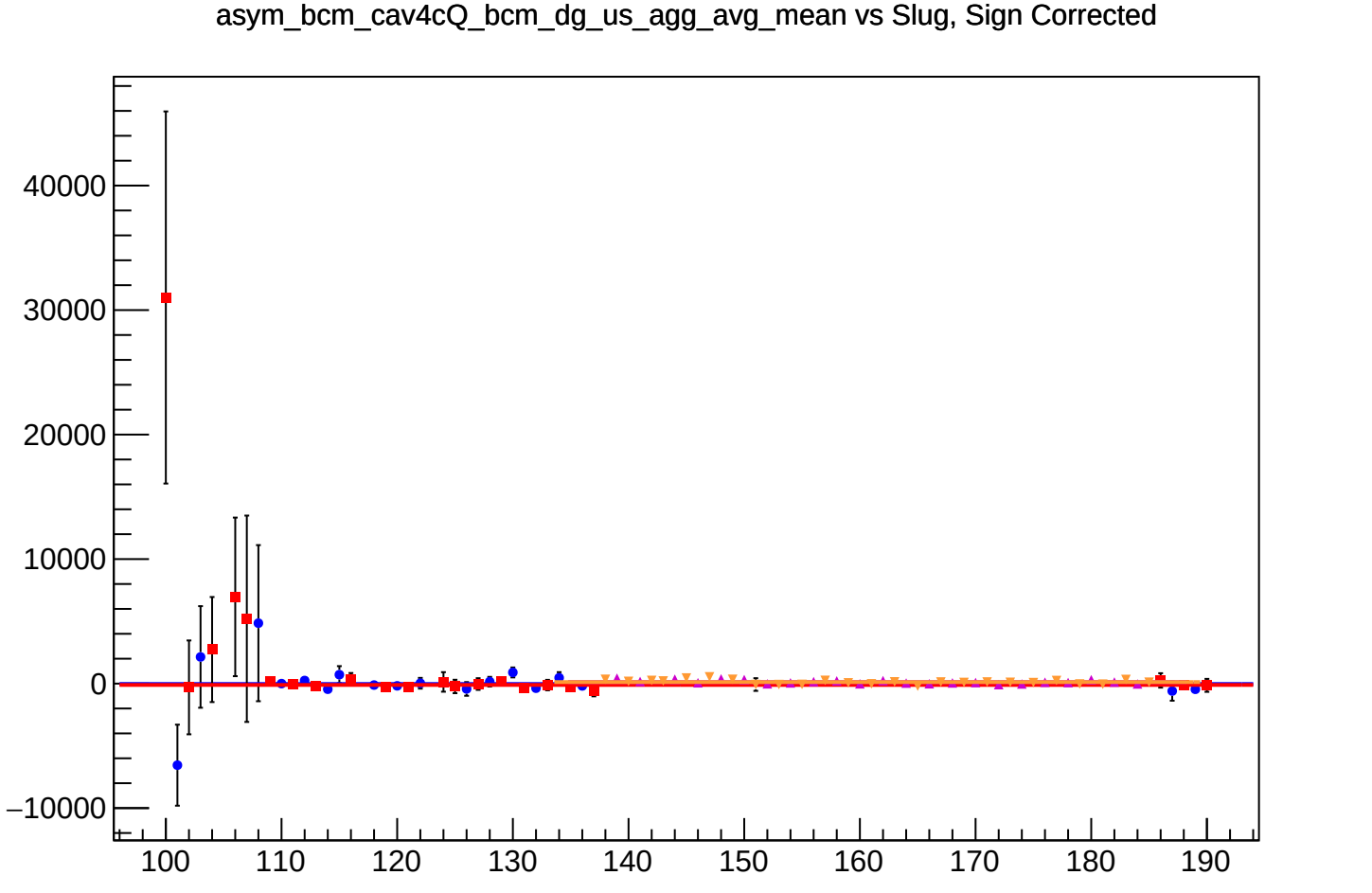
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.773+/-0.005 χ^2/NDF: 6846351.4/39

In: 28.441+/-0.004 χ^2/NDF:3414164.7/40

Out: 28.470+/-0.004 χ^2/NDF:3680827.1/46

All: 28.456+/-0.003 χ^2/NDF: 7095017.1/87



Right In: -32.164+/-82.855 χ^2/NDF: 20.2/17

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -108.158+/-74.209 χ^2/NDF: 14.2/21

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

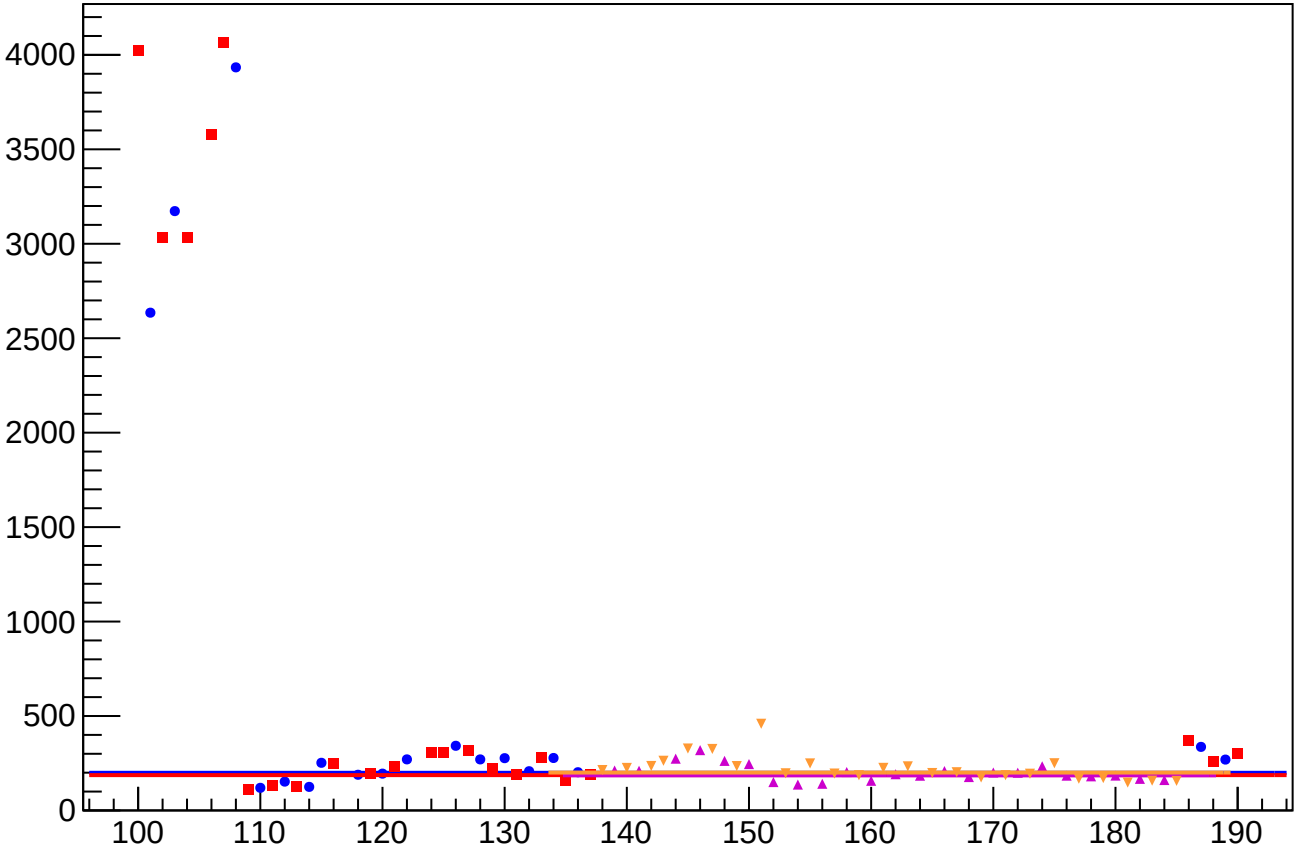
Right: -74.332+/-55.278 χ^2/NDF: 34.9/39

In: 87.365+/-39.726 χ^2/NDF:31.4/40

Out: 56.123+/-39.886 χ^2/NDF:32.5/46

All: 71.807+/-28.147 χ^2/NDF: 64.1/87

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.321+/-0.059 χ^2/NDF: 3926019.2/17

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 187.066+/-0.052 χ^2/NDF: 4740908.3/21

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

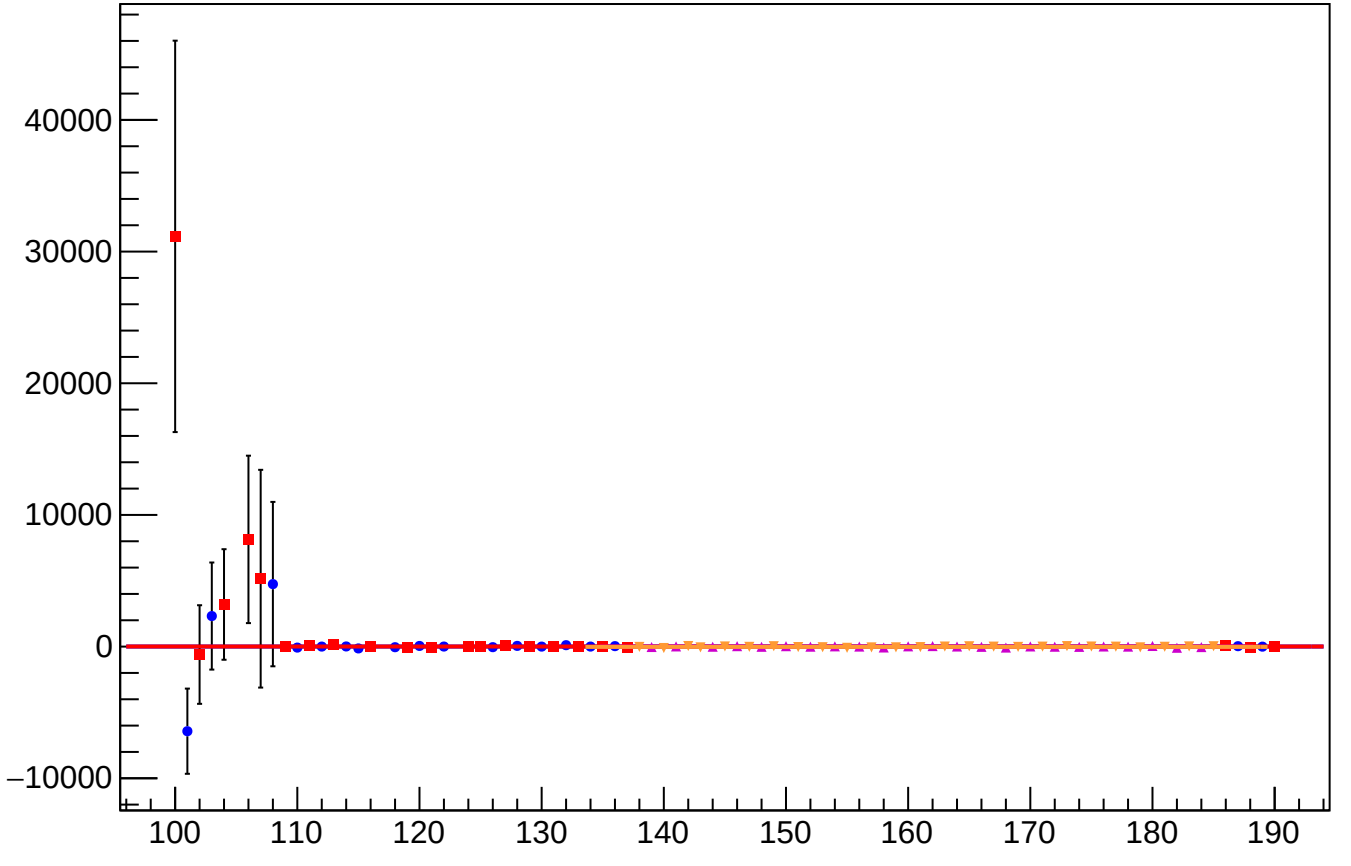
Right: 192.521+/-0.039 χ^2/NDF: 8691202.8/39

In: 189.192+/-0.028 χ^2/NDF:5378212.4/40

Out: 196.751+/-0.028 χ^2/NDF:6668894.4/46

All: 192.957+/-0.020 χ^2/NDF: 12083163.8/87

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.519+/-13.425 χ^2/NDF: 17.6/17

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 7.020+/-12.696 χ^2/NDF: 25.9/21

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

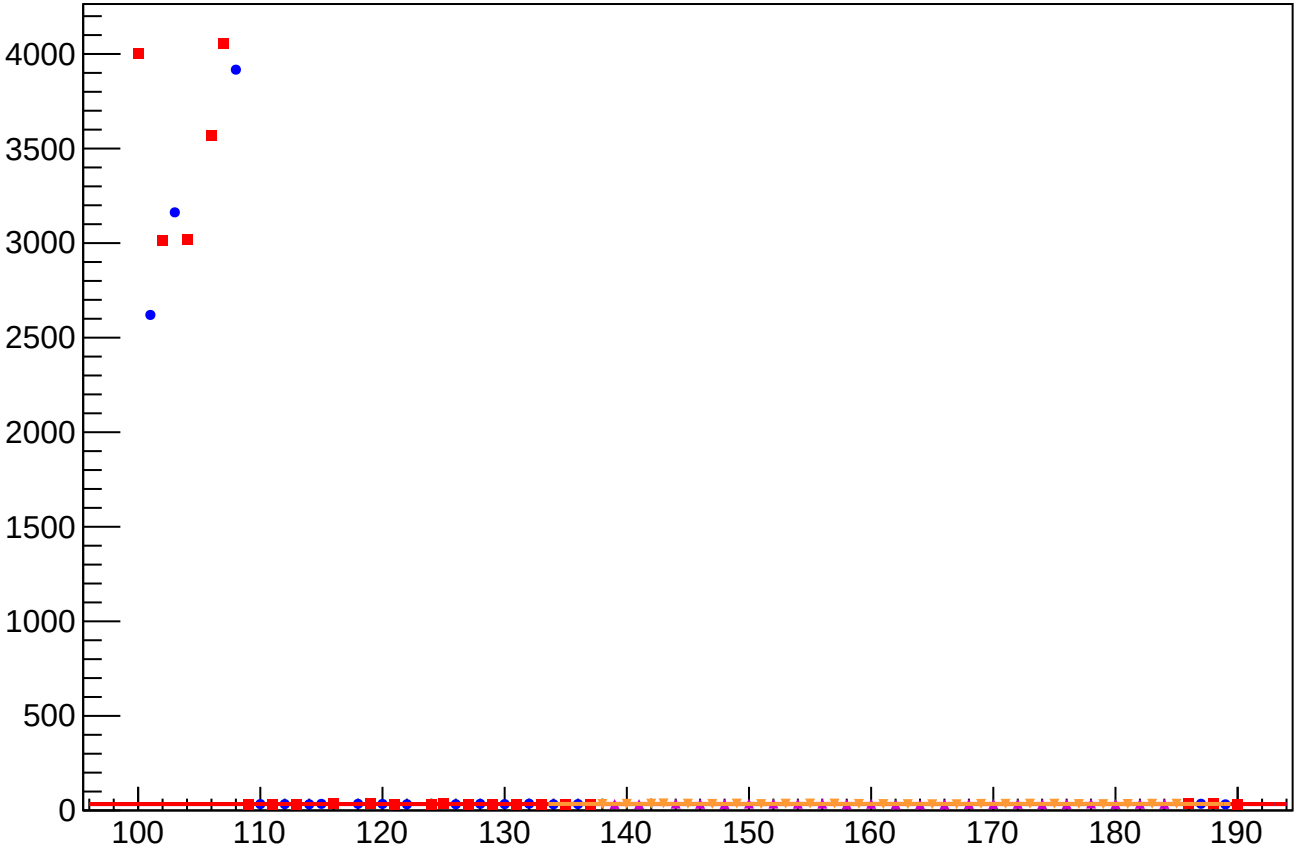
Right: 6.311+/-9.224 χ^2/NDF: 43.5/39

In: -1.488+/-6.925 χ^2/NDF:36.9/40

Out: -13.436+/-6.668 χ^2/NDF:52.4/46

All: -7.689+/-4.803 χ^2/NDF: 90.8/87

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.779+/-0.009 χ^2/NDF: 3247743.6/17

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.929+/-0.009 χ^2/NDF: 3534789.7/21

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

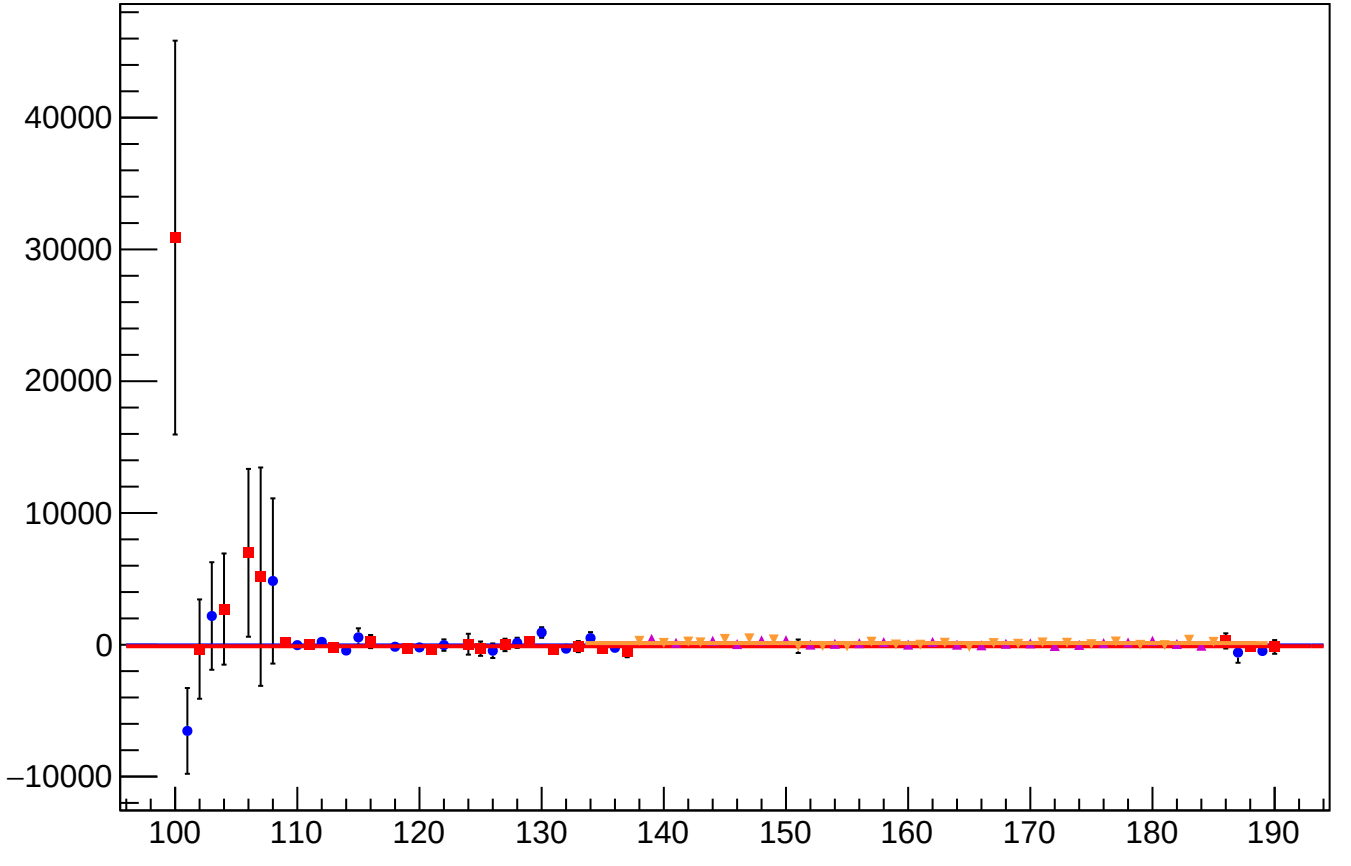
Right: 33.859+/-0.007 χ^2/NDF: 6782665.8/39

In: 34.346+/-0.005 χ^2/NDF:3311889.5/40

Out: 34.298+/-0.005 χ^2/NDF:3581805.2/46

All: 34.321+/-0.003 χ^2/NDF: 6893744.9/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -112.408+/-73.766 χ^2/NDF: 13.8/21

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

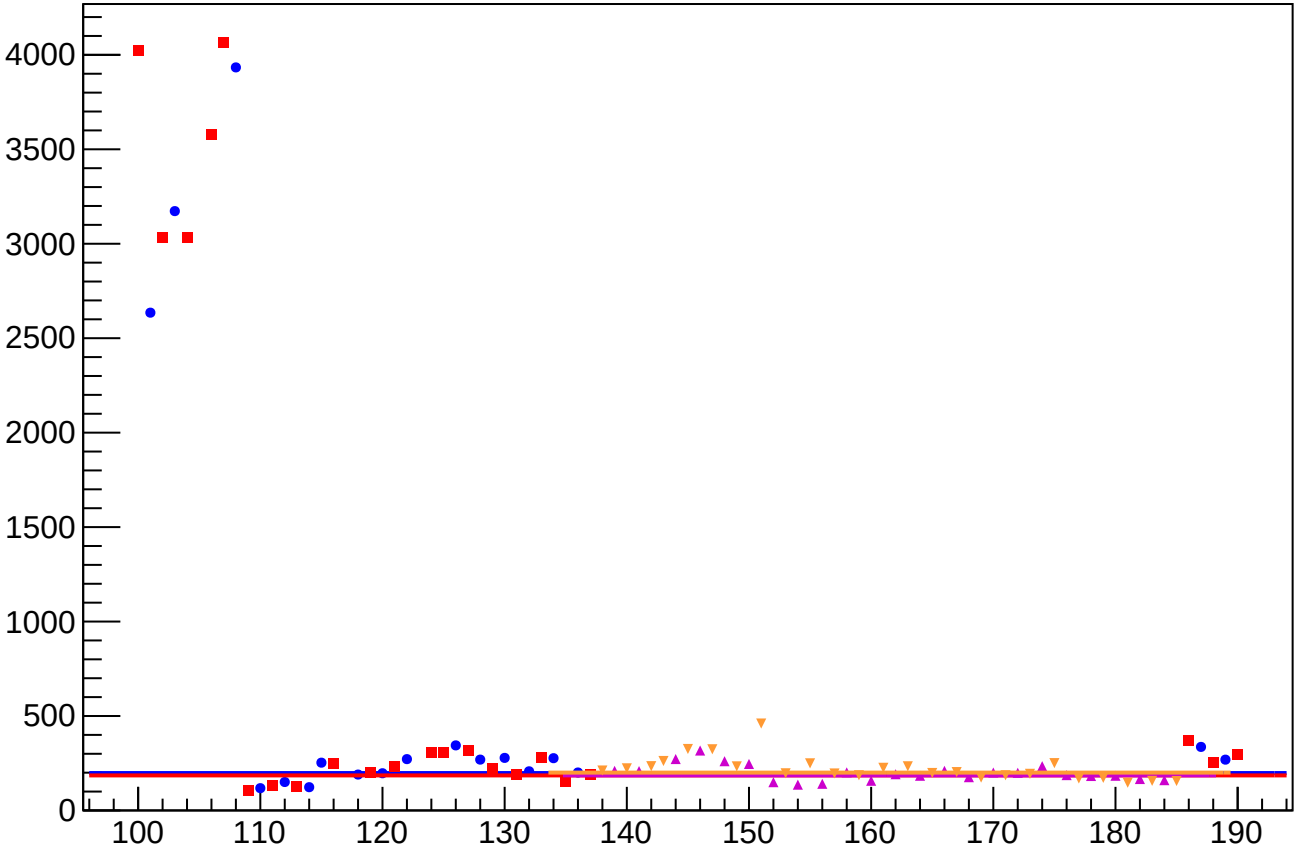
Right: -83.908+/-54.973 χ^2/NDF: 34.2/39

In: 83.263+/-39.633 χ^2/NDF:31.4/40

Out: 57.884+/-39.774 χ^2/NDF:33.0/46

All: 70.619+/-28.075 χ^2/NDF: 64.5/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.956+/-0.058 χ^2/NDF: 3967876.1/17

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 185.533+/-0.052 χ^2/NDF: 4797502.8/21

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

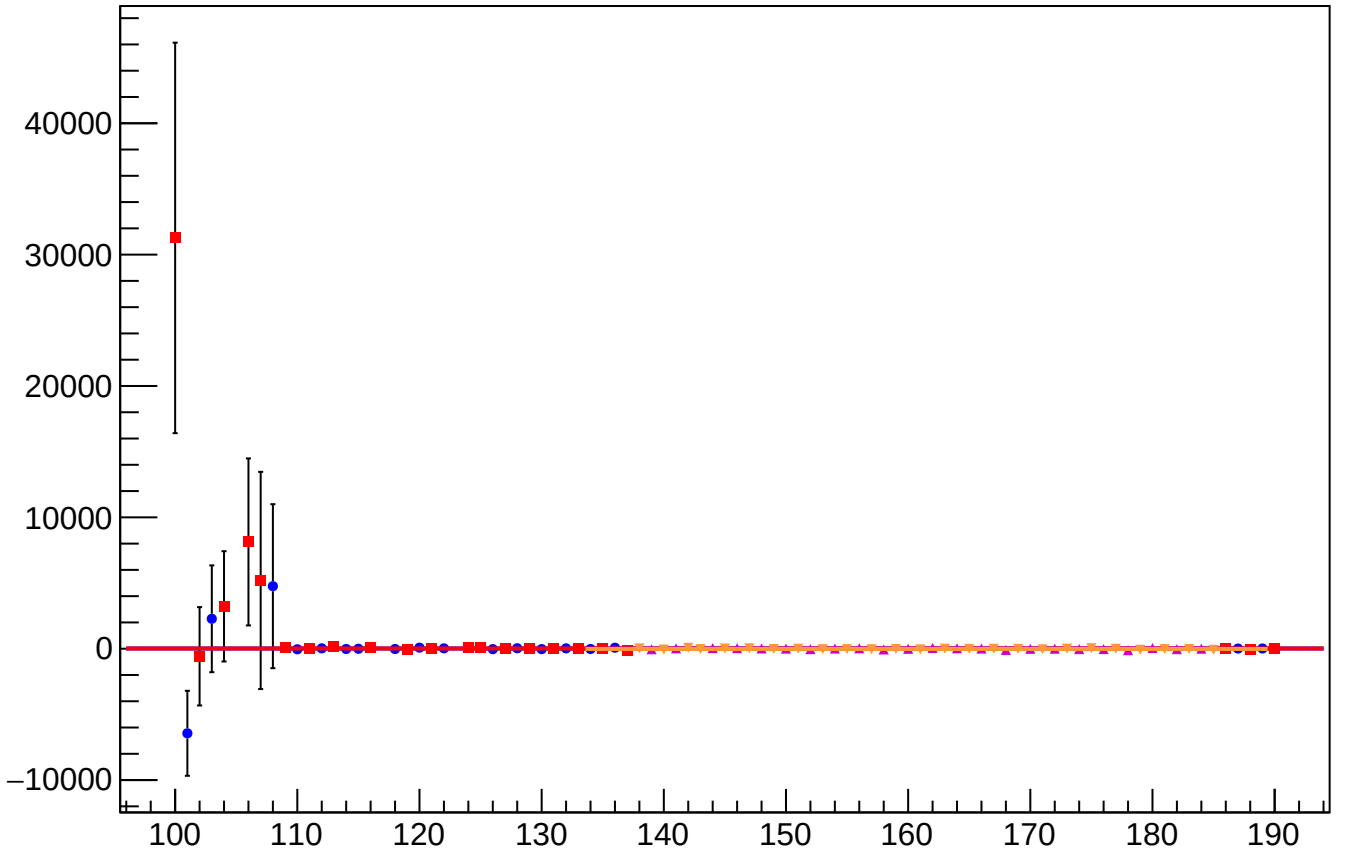
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 191.056+/-0.039 χ^2/NDF: 8790601.3/39

In: 188.664+/-0.028 χ^2/NDF:5406441.4/40

Out: 196.058+/-0.028 χ^2/NDF:6731443.3/46

All: 192.348+/-0.020 χ^2/NDF: 12172561.2/87



Right In: 13.859+/-12.230 χ^2/NDF: 15.5/17

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 17.718+/-11.556 χ^2/NDF: 30.8/21

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

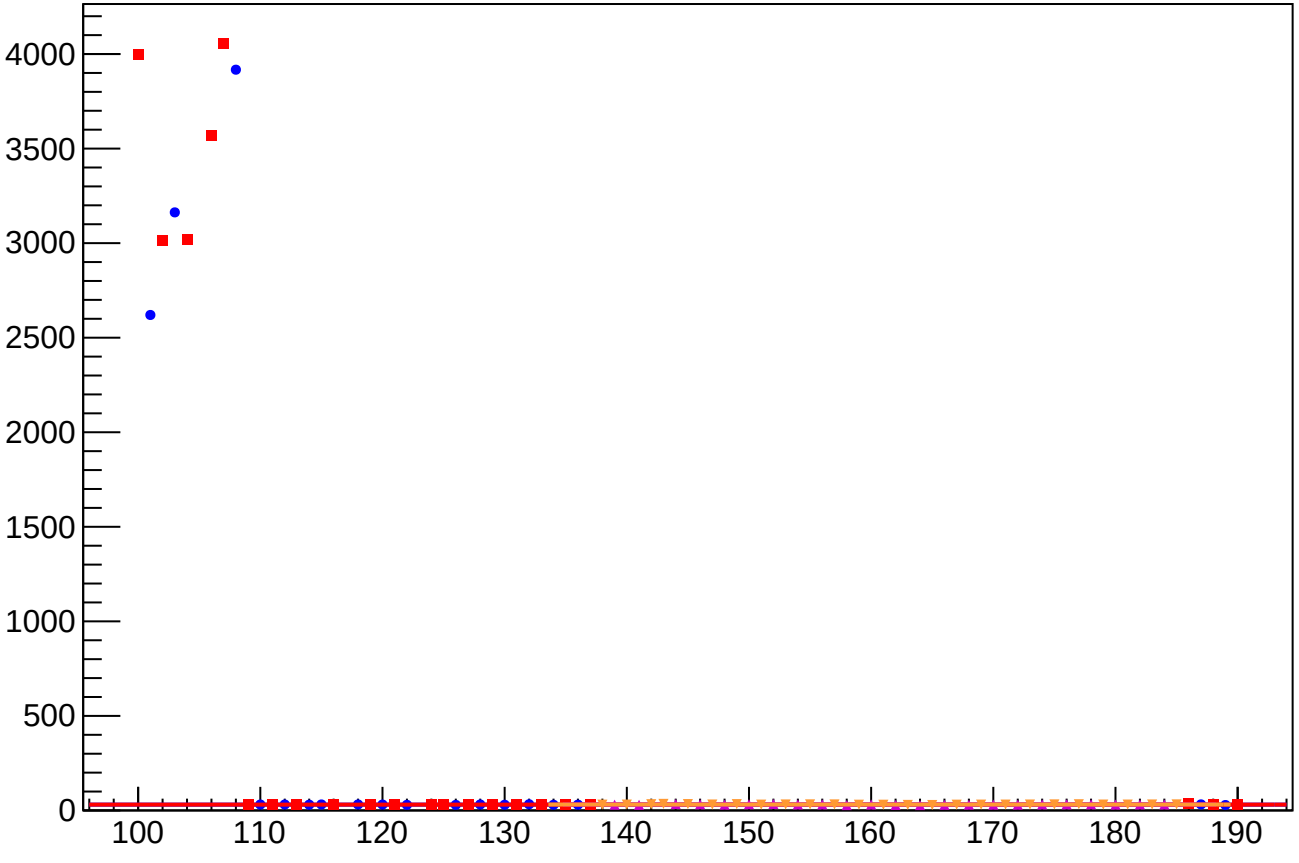
Right: 15.898+/-8.399 χ^2/NDF: 46.4/39

In: 1.685+/-6.298 χ^2/NDF:52.3/40

Out: -8.563+/-6.071 χ^2/NDF:58.4/46

All: -3.627+/-4.371 χ^2/NDF: 112.1/87

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.743+/-0.009 χ^2/NDF: 3259054.5/17

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.846+/-0.008 χ^2/NDF: 3547948.2/21

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

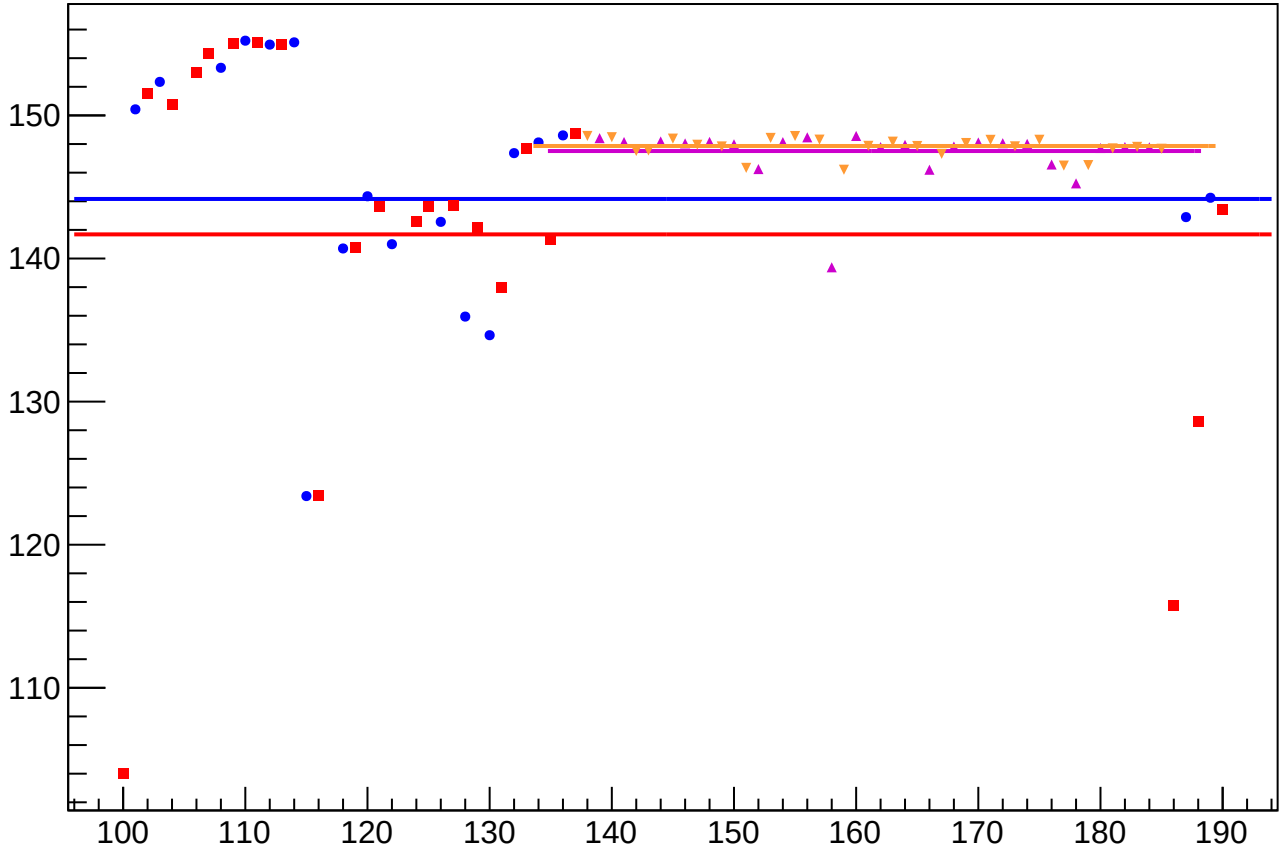
Right: 30.797+/-0.006 χ^2/NDF: 6807077.3/39

In: 31.211+/-0.004 χ^2/NDF:3348262.2/40

Out: 31.203+/-0.004 χ^2/NDF:3613612.3/46

All: 31.207+/-0.003 χ^2/NDF: 6961875.9/87

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.162+/-0.000 χ^2/NDF: 3726122611.2/17

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.687+/-0.000 χ^2/NDF: 7397106451.3/21

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

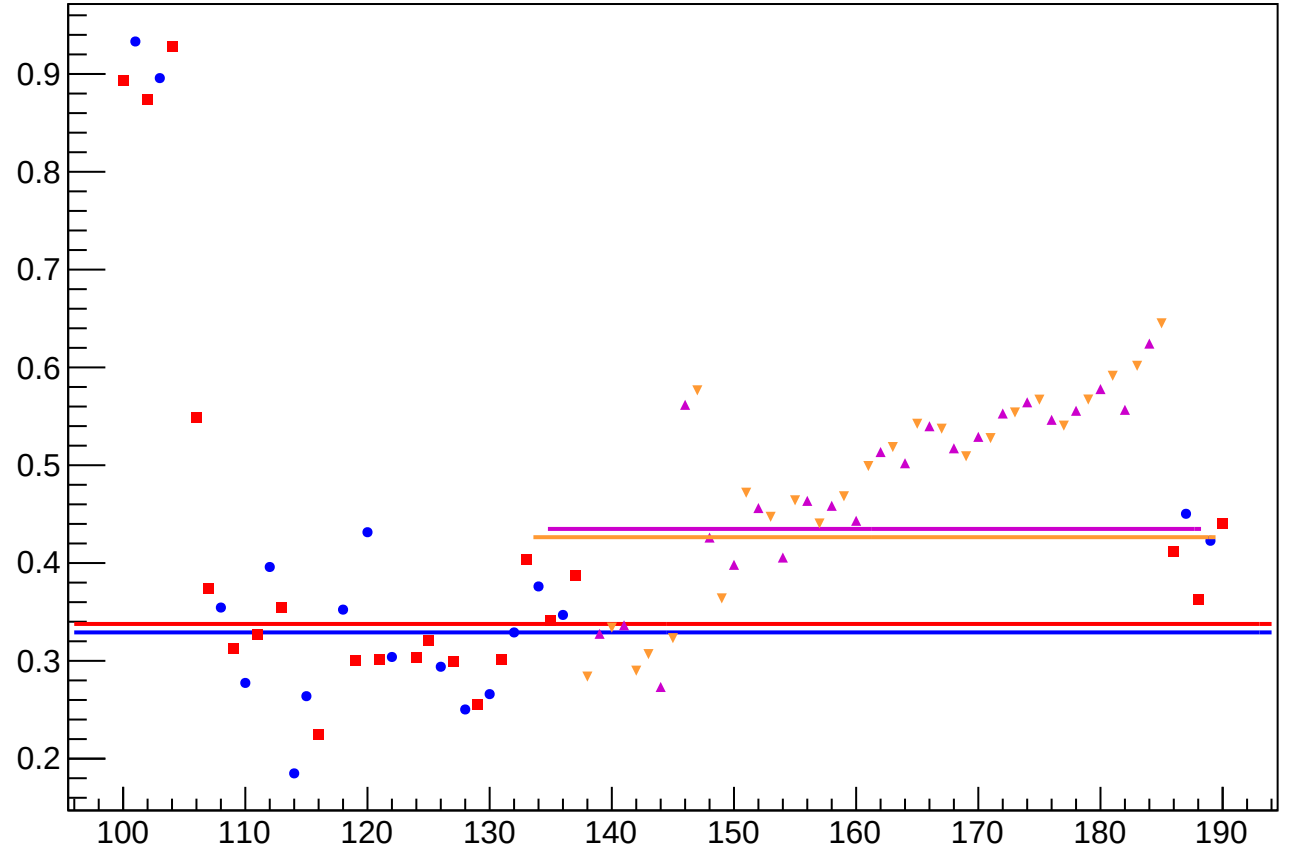
Right: 142.859+/-0.000 χ^2/NDF: 11318627445.9/39

In: 146.156+/-0.000 χ^2/NDF:4437346711.2/40

Out: 145.332+/-0.000 χ^2/NDF:8959456728.4/46

All: 145.725+/-0.000 χ^2/NDF: 13449994222.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF: 1472196.2/17

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.338+/-0.000 χ^2/NDF: 1383058.8/21

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

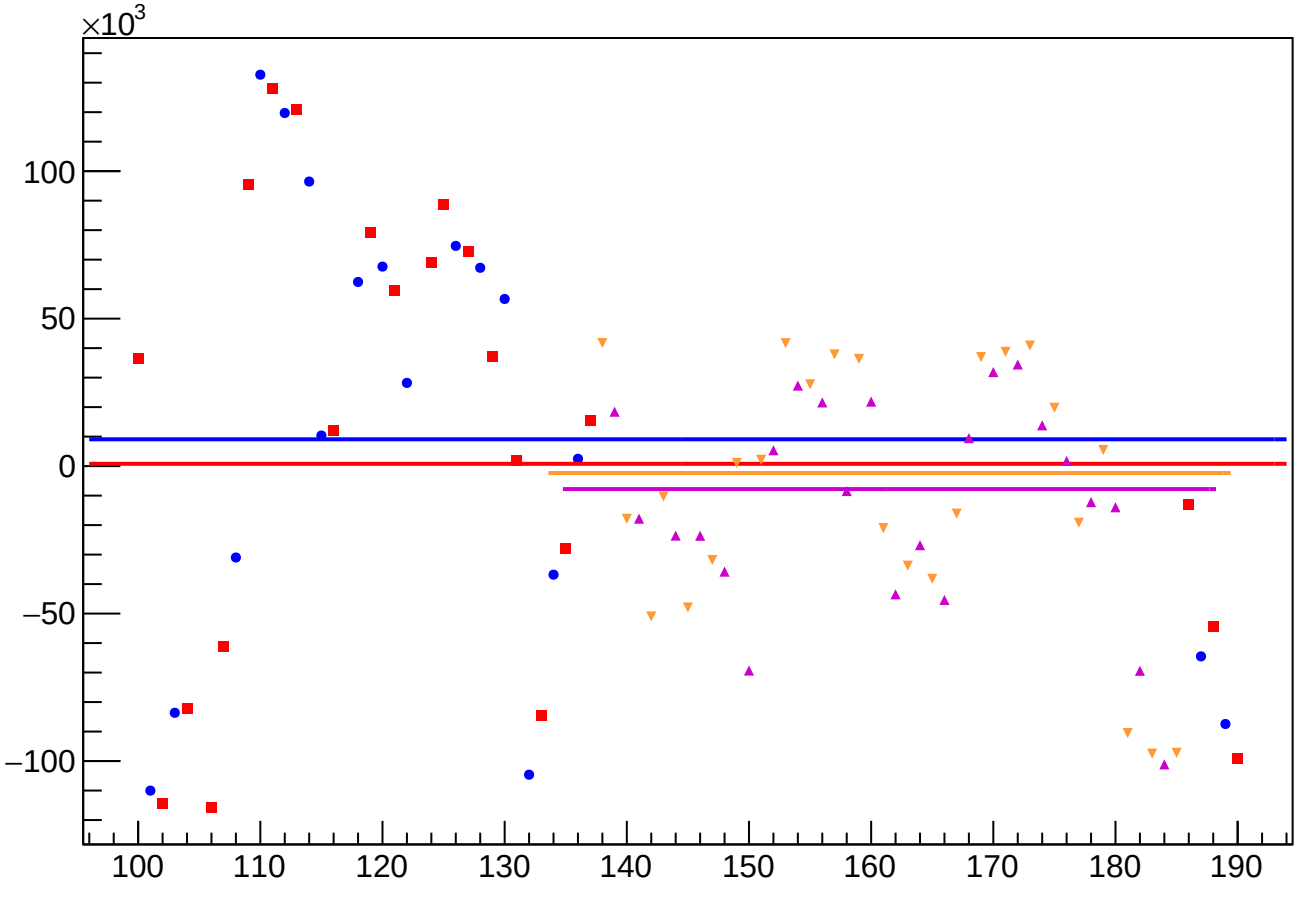
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.334+/-0.000 χ^2/NDF: 2860021.2/39

In: 0.392+/-0.000 χ^2/NDF:4054841.2/40

Out: 0.390+/-0.000 χ^2/NDF:4268014.4/46

All: 0.391+/-0.000 χ^2/NDF: 8323488.6/87



Right In: 9086.555+/-1.916 χ^2/NDF: 1610690472.2/17

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 780.633+/-1.725 χ^2/NDF: 2135407667.6/21

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

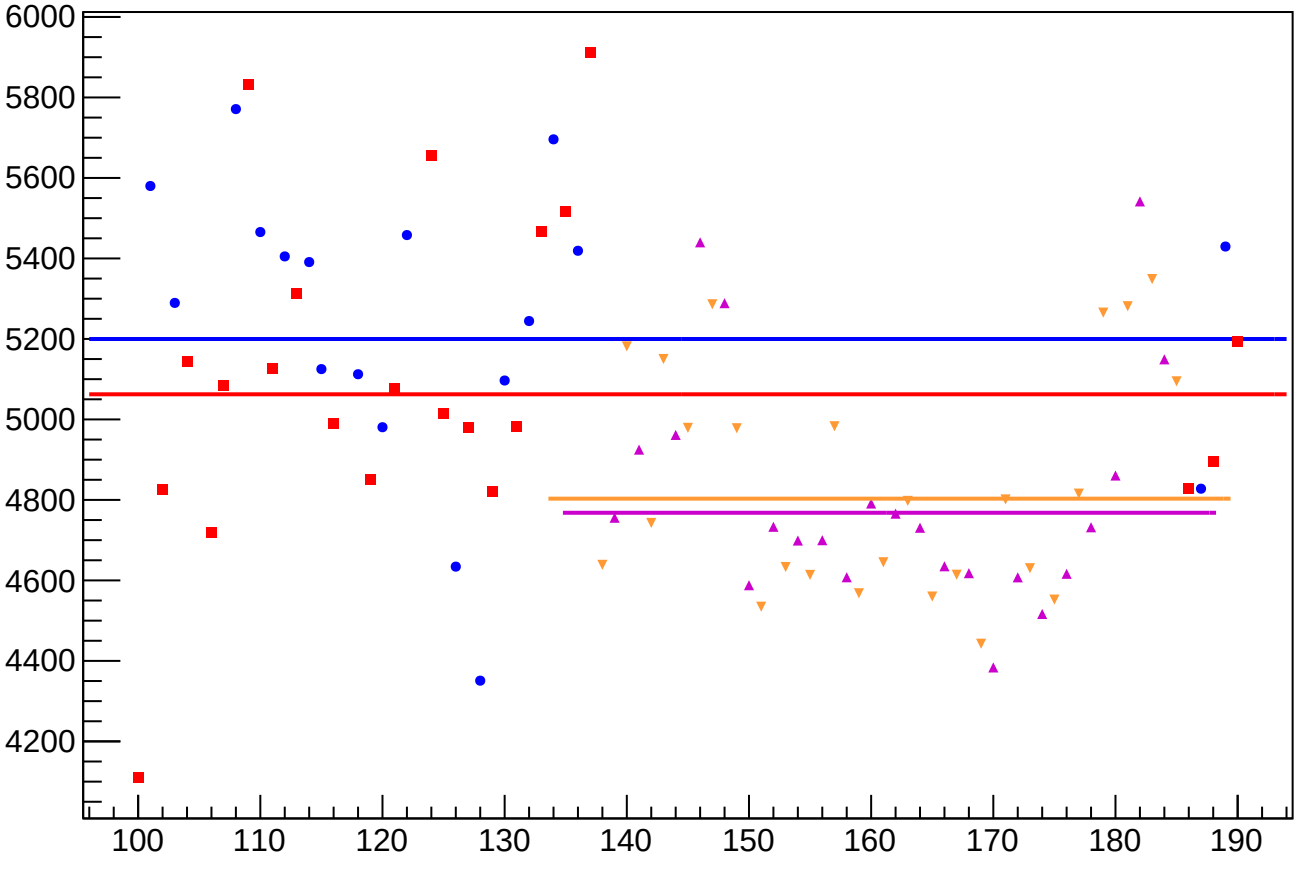
Right: 4498.770+/-1.282 χ^2/NDF: 3756479359.5/39

In: -3349.592+/-0.983 χ^2/NDF:2430357427.8/40

Out: -1414.036+/-0.941 χ^2/NDF:3367742809.1/46

All: -2340.267+/-0.680 χ^2/NDF: 5800123781

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5199.840+/-1.355 χ^2/NDF: 80924.7/17

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5062.441+/-1.220 χ^2/NDF: 64054.9/21

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

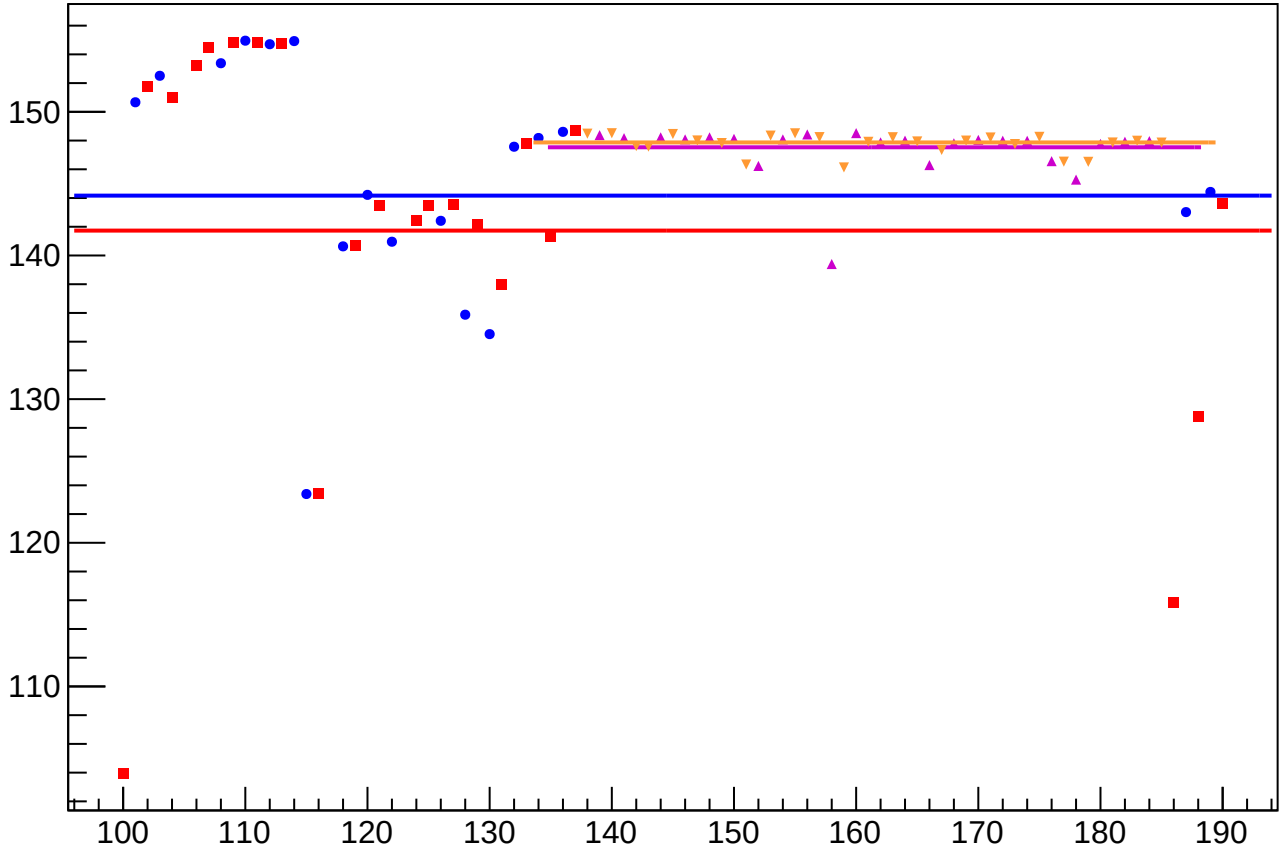
Right: 5123.948+/-0.906 χ^2/NDF: 150661.2/39

In: 4881.621+/-0.695 χ^2/NDF:258145.5/40

Out: 4880.361+/-0.666 χ^2/NDF:210478.6/46

All: 4880.964+/-0.481 χ^2/NDF: 468625.8/87

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.167+/-0.000 χ^2/NDF: 3766120620.4/17

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 141.733+/-0.000 χ^2/NDF: 7369096625.7/21

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

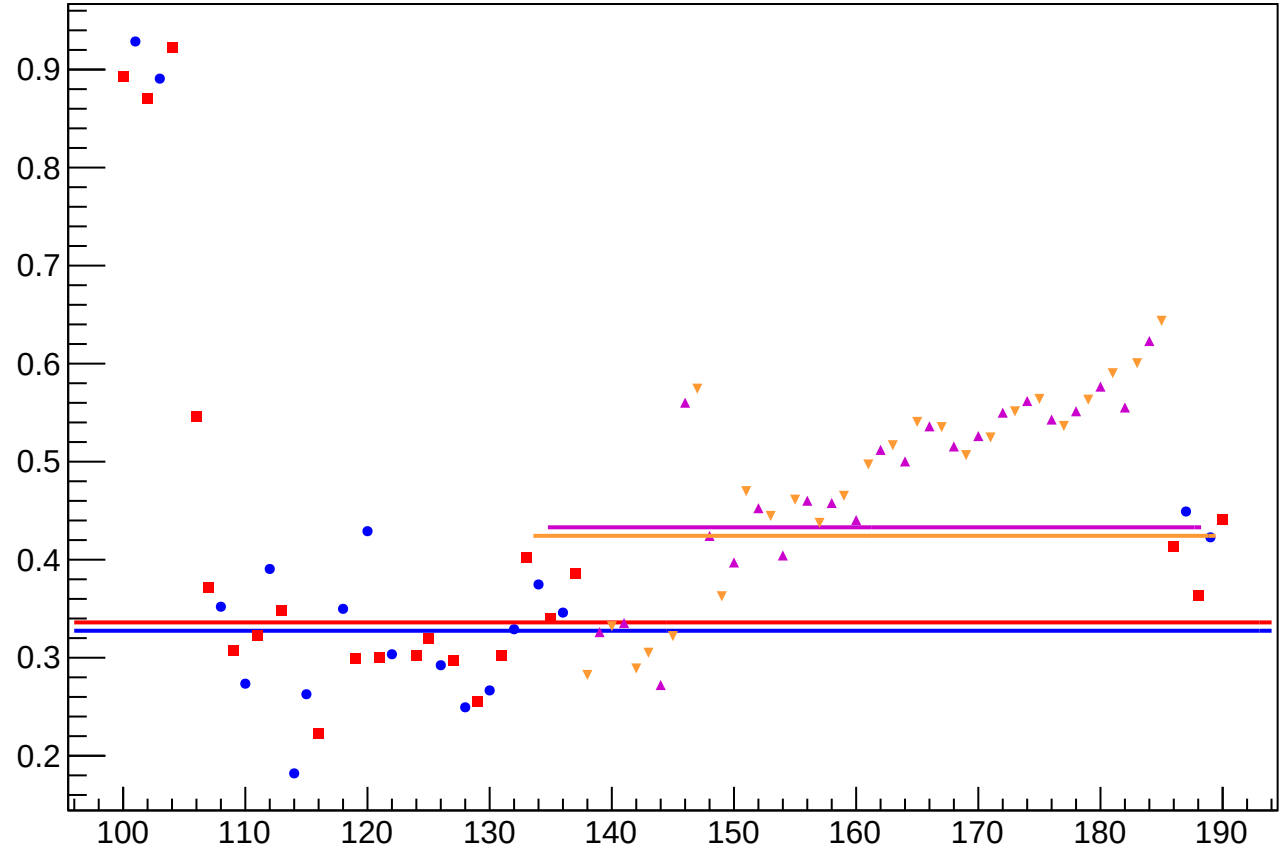
Right: 142.885+/-0.000 χ^2/NDF: 11326121295.7/39

In: 146.170+/-0.000 χ^2/NDF:4485467838.6/40

Out: 145.355+/-0.000 χ^2/NDF:8925791730.8/46

All: 145.743+/-0.000 χ^2/NDF: 13463808760.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF: 1474417.9/17

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.336+/-0.000 χ^2/NDF: 1387591.2/21

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

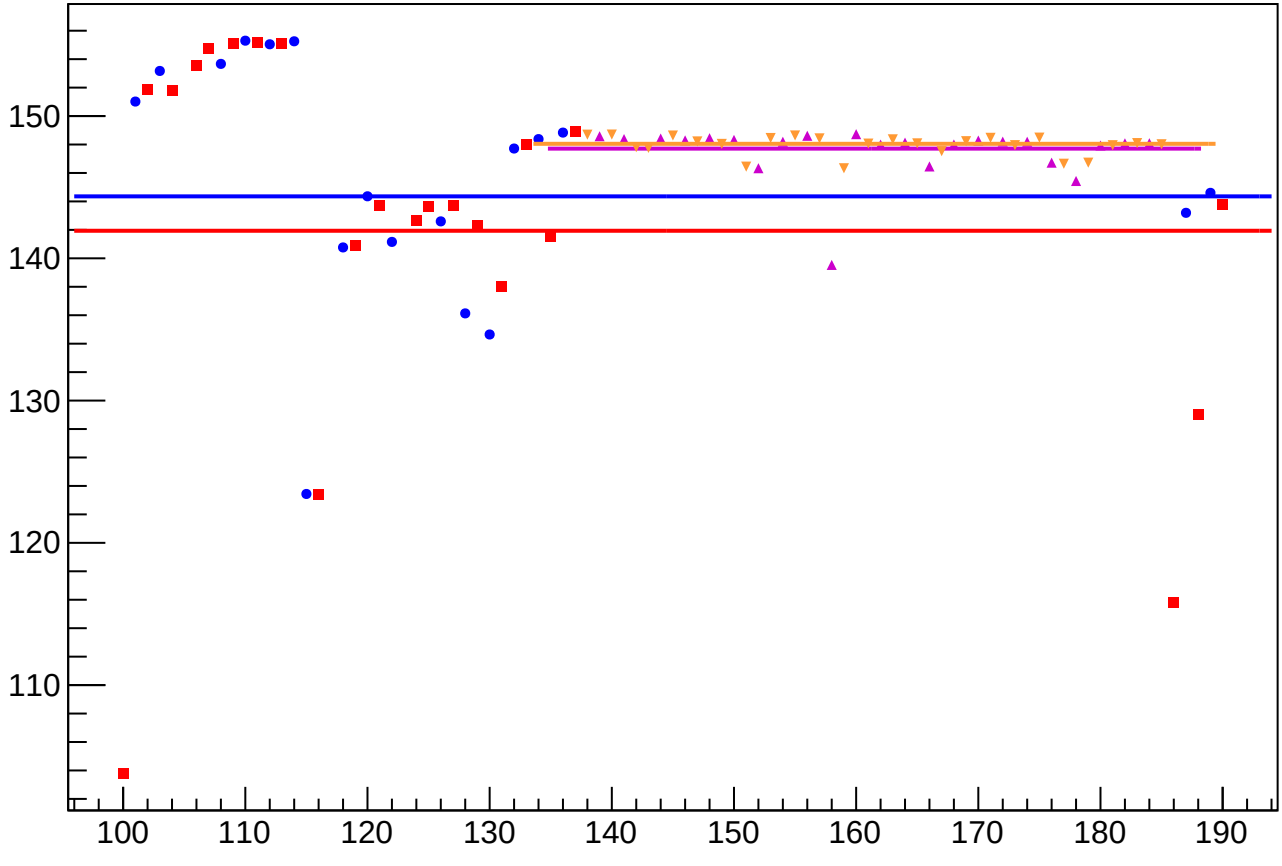
Right: 0.332+/-0.000 χ^2/NDF: 2866678.7/39

In: 0.390+/-0.000 χ^2/NDF:4056634.0/40

Out: 0.388+/-0.000 χ^2/NDF:4274824.2/46

All: 0.389+/-0.000 χ^2/NDF: 8332202.2/87

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.355+/-0.000 χ^2/NDF: 3759899101.3/17

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 141.937+/-0.000 χ^2/NDF: 7307722746.7/21

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

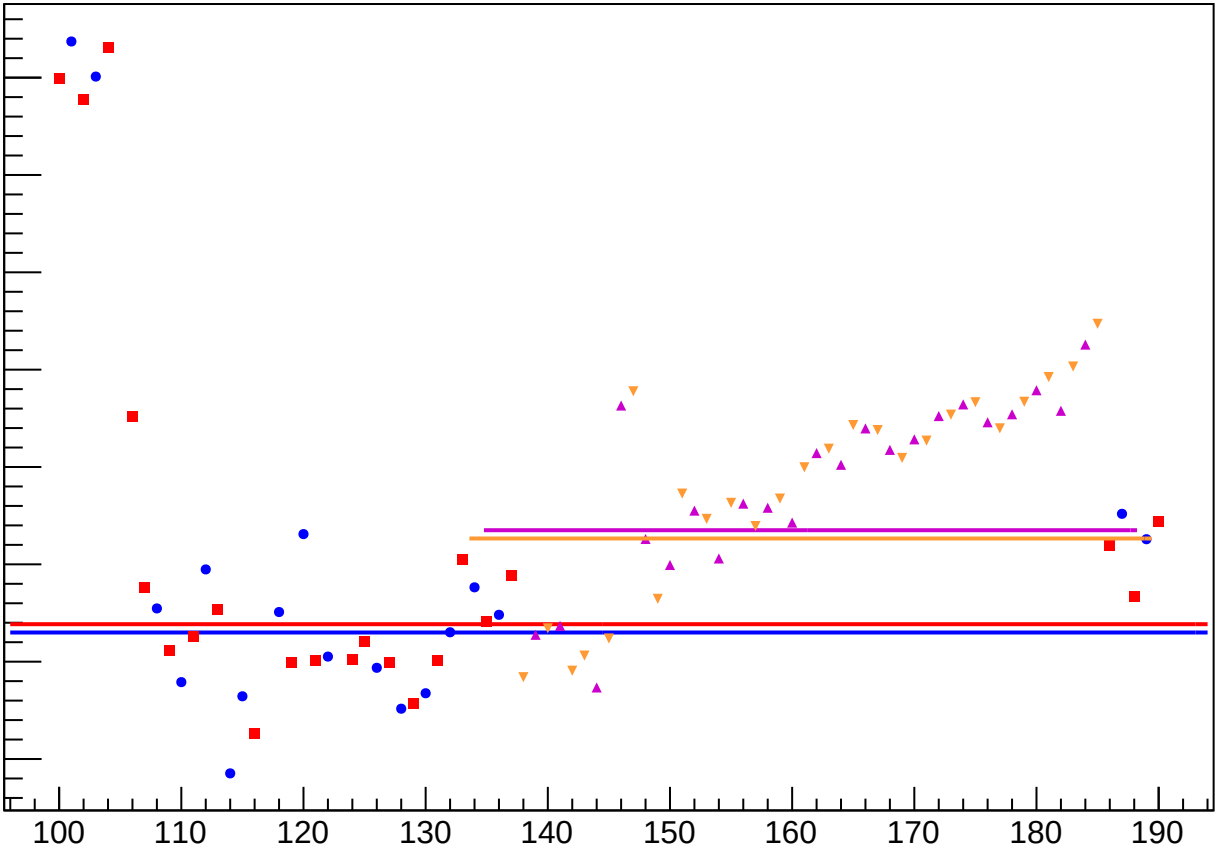
Right: 143.082+/-0.000 χ^2/NDF: 11253216003.1/39

In: 146.357+/-0.000 χ^2/NDF:4476551347.3/40

Out: 145.551+/-0.000 χ^2/NDF:8833259705.5/46

All: 145.935+/-0.000 χ^2/NDF: 13360514081.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF: 1470203.5/17

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.339+/-0.000 χ^2/NDF: 1390393.6/21

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

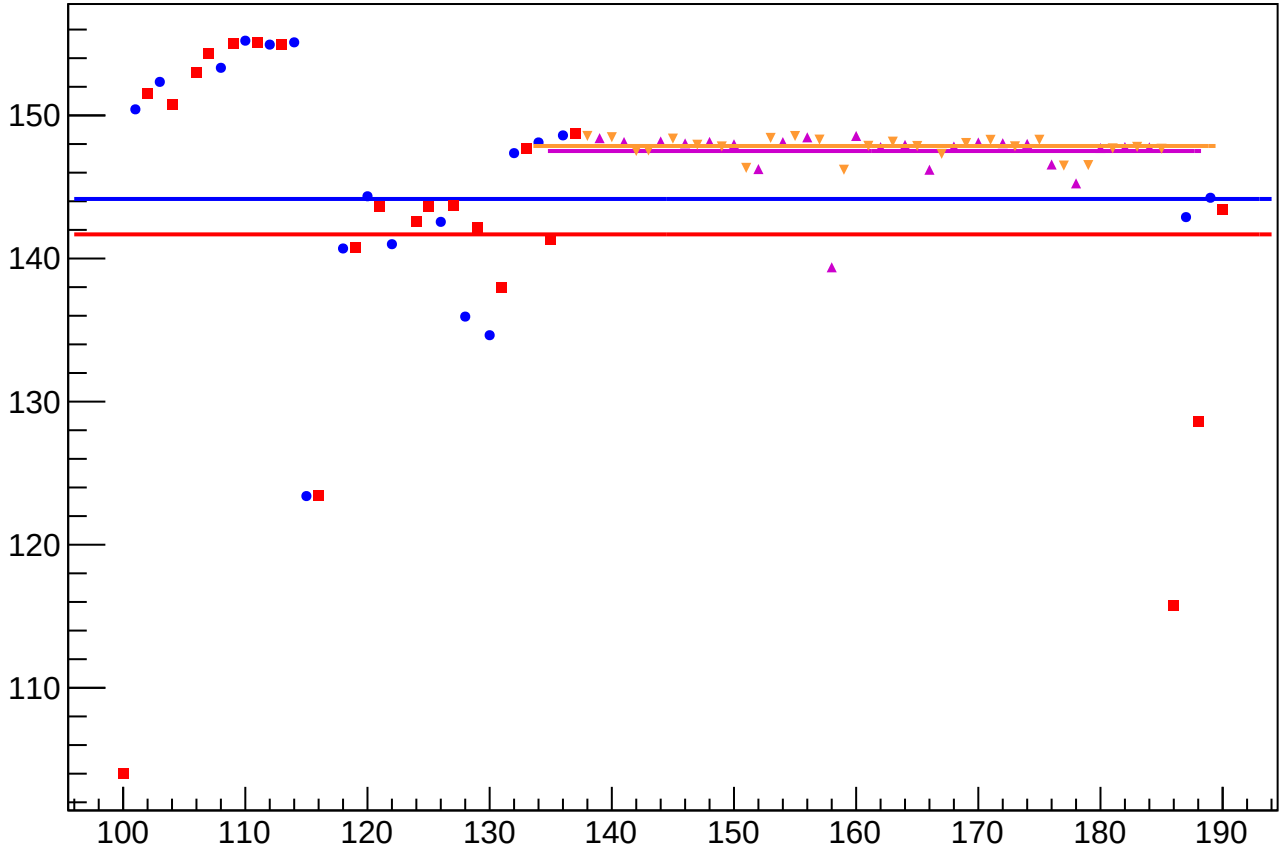
Right: 0.334+/-0.000 χ^2/NDF: 2865225.4/39

In: 0.393+/-0.000 χ^2/NDF:4034169.5/40

Out: 0.391+/-0.000 χ^2/NDF:4262365.4/46

All: 0.392+/-0.000 χ^2/NDF: 8297212.8/87

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.162+/-0.000 χ^2/NDF: 3726122611.2/17

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.687+/-0.000 χ^2/NDF: 7397106451.3/21

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

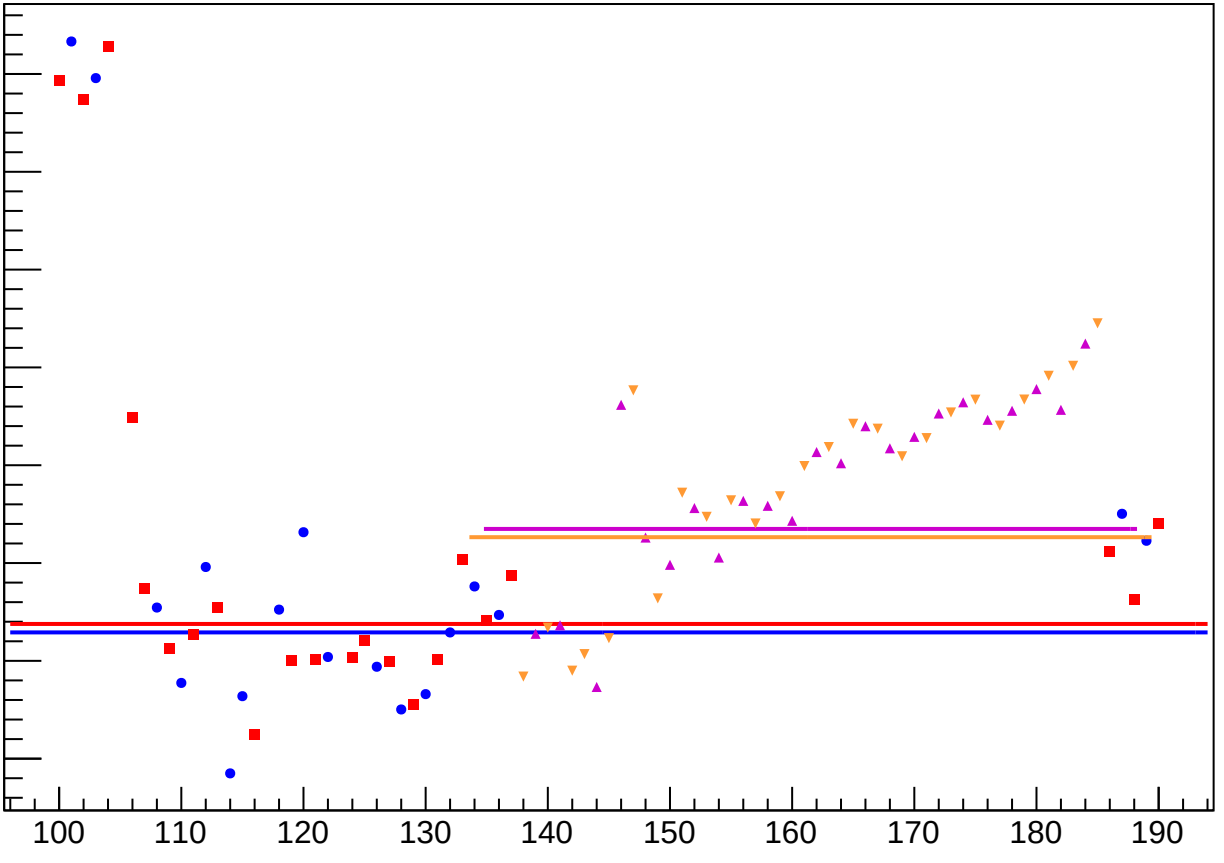
Right: 142.859+/-0.000 χ^2/NDF: 11318627445.9/39

In: 146.156+/-0.000 χ^2/NDF:4437346711.2/40

Out: 145.332+/-0.000 χ^2/NDF:8959456728.4/46

All: 145.725+/-0.000 χ^2/NDF: 13449994222.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF: 1472196.2/17

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.338+/-0.000 χ^2/NDF: 1383058.8/21

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

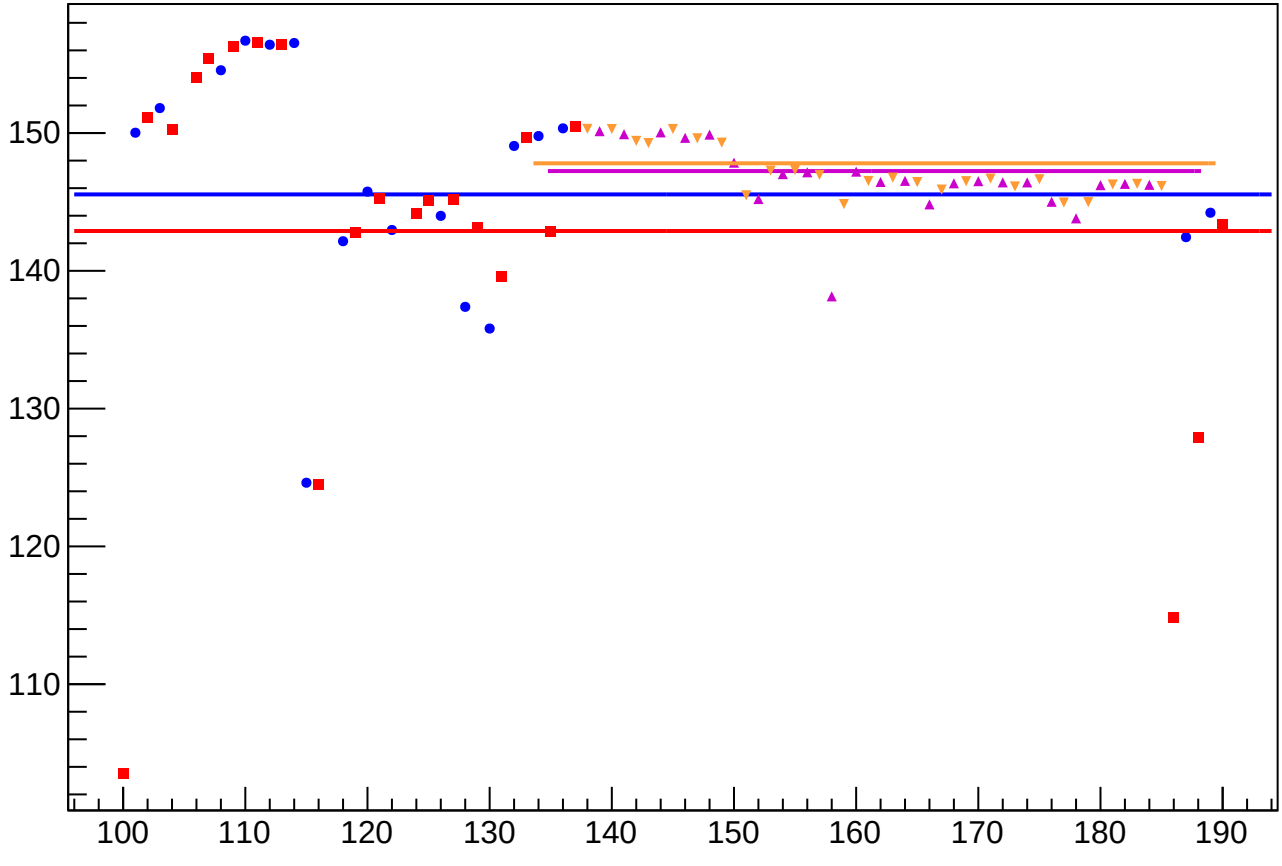
Right: 0.334+/-0.000 χ^2/NDF: 2860021.2/39

In: 0.392+/-0.000 χ^2/NDF:4054841.2/40

Out: 0.390+/-0.000 χ^2/NDF:4268014.4/46

All: 0.391+/-0.000 χ^2/NDF: 8323488.6/87

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.547+/-0.000 χ^2/NDF: 3494270516.4/17

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 142.891+/-0.000 χ^2/NDF: 7565352878.8/21

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

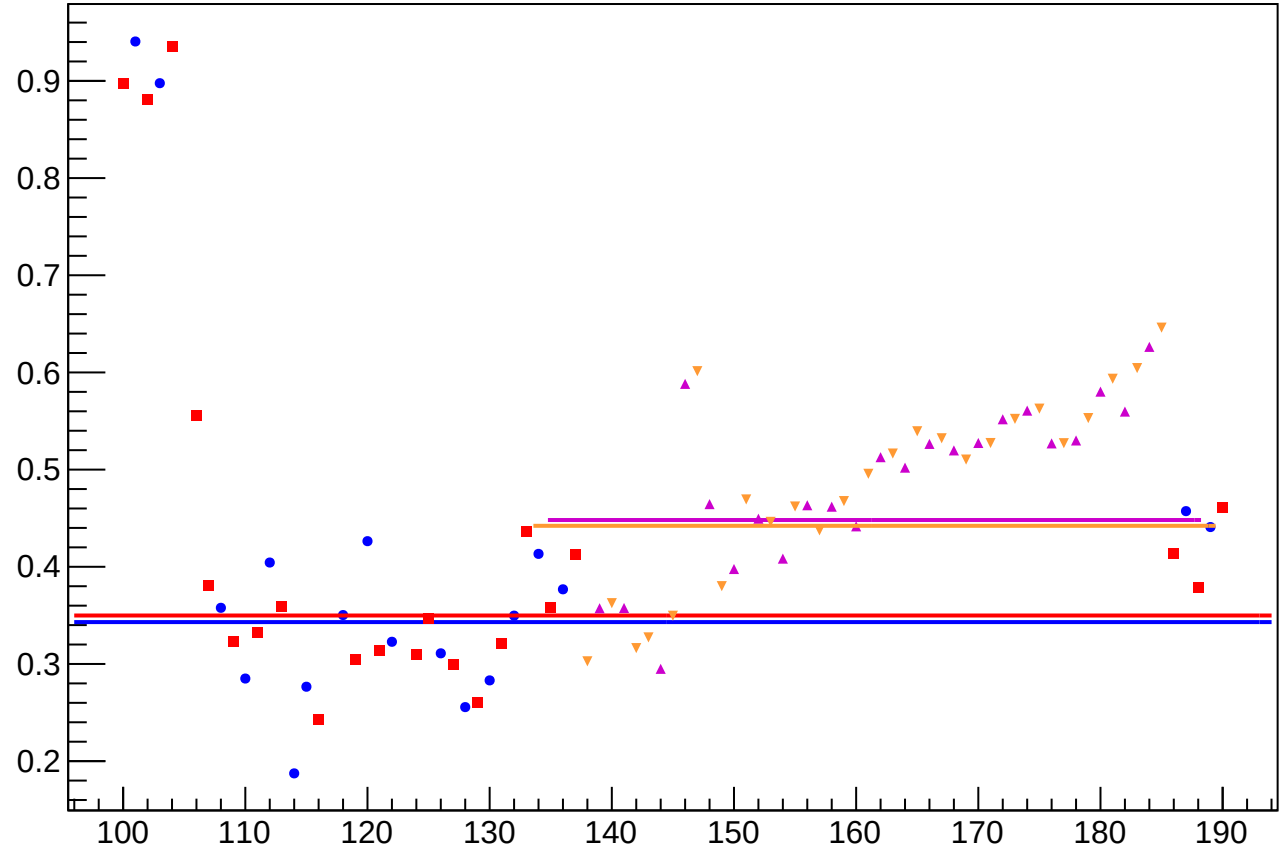
Right: 144.140+/-0.000 χ^2/NDF: 11267737899.3/39

In: 146.570+/-0.000 χ^2/NDF:4209556366.1/40

Out: 145.805+/-0.000 χ^2/NDF:8790614198.6/46

All: 146.170+/-0.000 χ^2/NDF: 13043232256.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.343+/-0.000 χ^2/NDF: 1442863.6/17

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.350+/-0.000 χ^2/NDF: 1350790.7/21

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

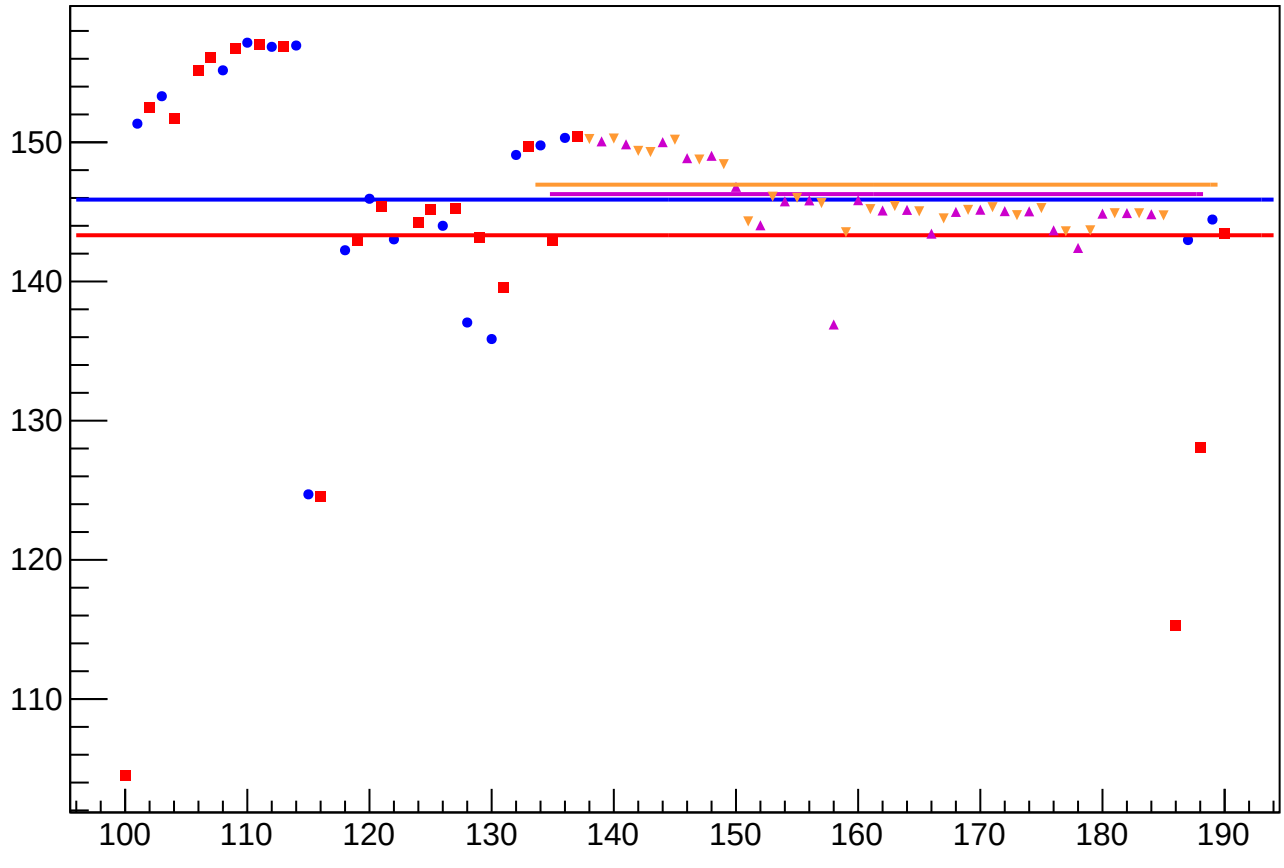
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.347+/-0.000 χ^2/NDF: 2796367.0/39

In: 0.407+/-0.000 χ^2/NDF:3533518.6/40

Out: 0.405+/-0.000 χ^2/NDF:3688919.1/46

All: 0.406+/-0.000 χ^2/NDF: 7222990.9/87



Right In: 145.883+/-0.000 χ^2/NDF: 3633669343.1/17

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.321+/-0.000 χ^2/NDF: 7649409683.9/21

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

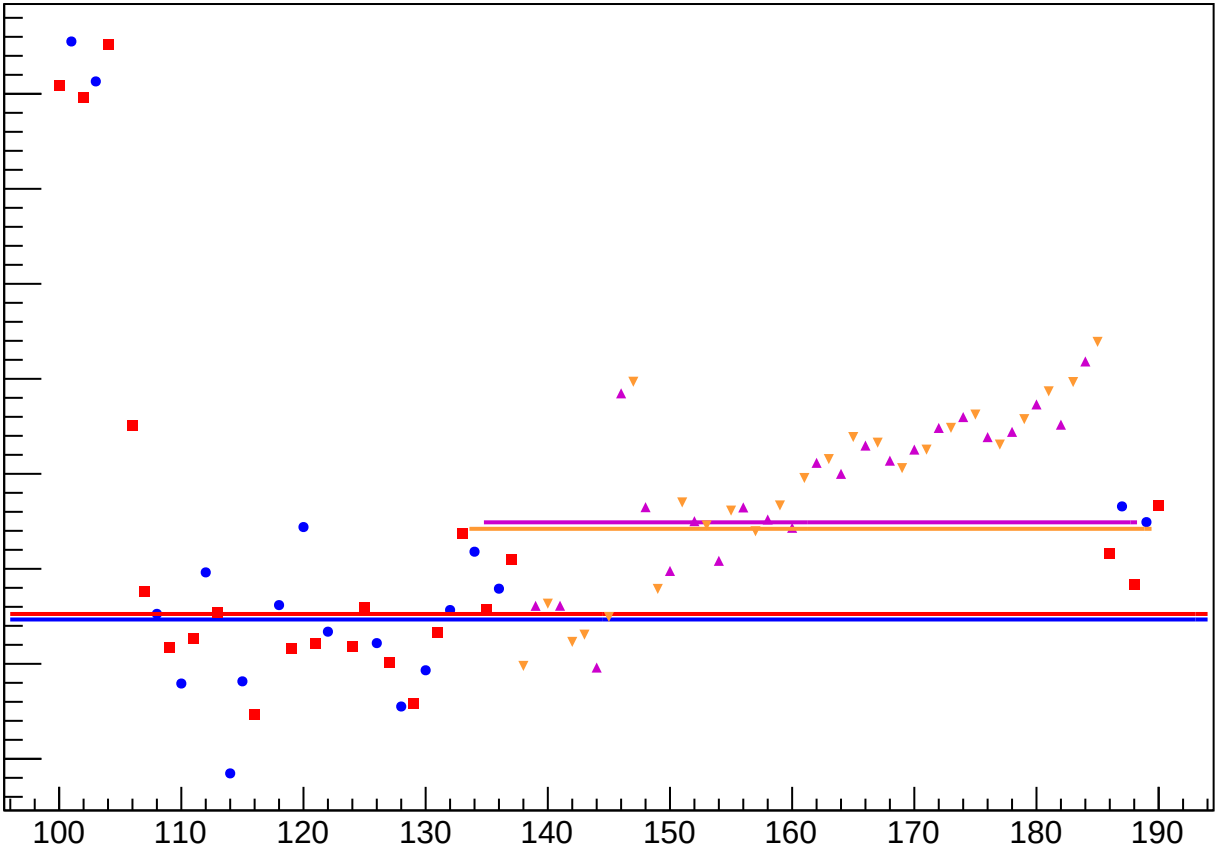
Right: 144.522+/-0.000 χ^2/NDF: 11472618888.7/39

In: 146.123+/-0.000 χ^2/NDF:4464002772.9/40

Out: 145.492+/-0.000 χ^2/NDF:8678643511.8/46

All: 145.793+/-0.000 χ^2/NDF: 13171689474.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.347+/-0.000 χ^2/NDF: 1469167.3/17

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.352+/-0.000 χ^2/NDF: 1349414.7/21

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

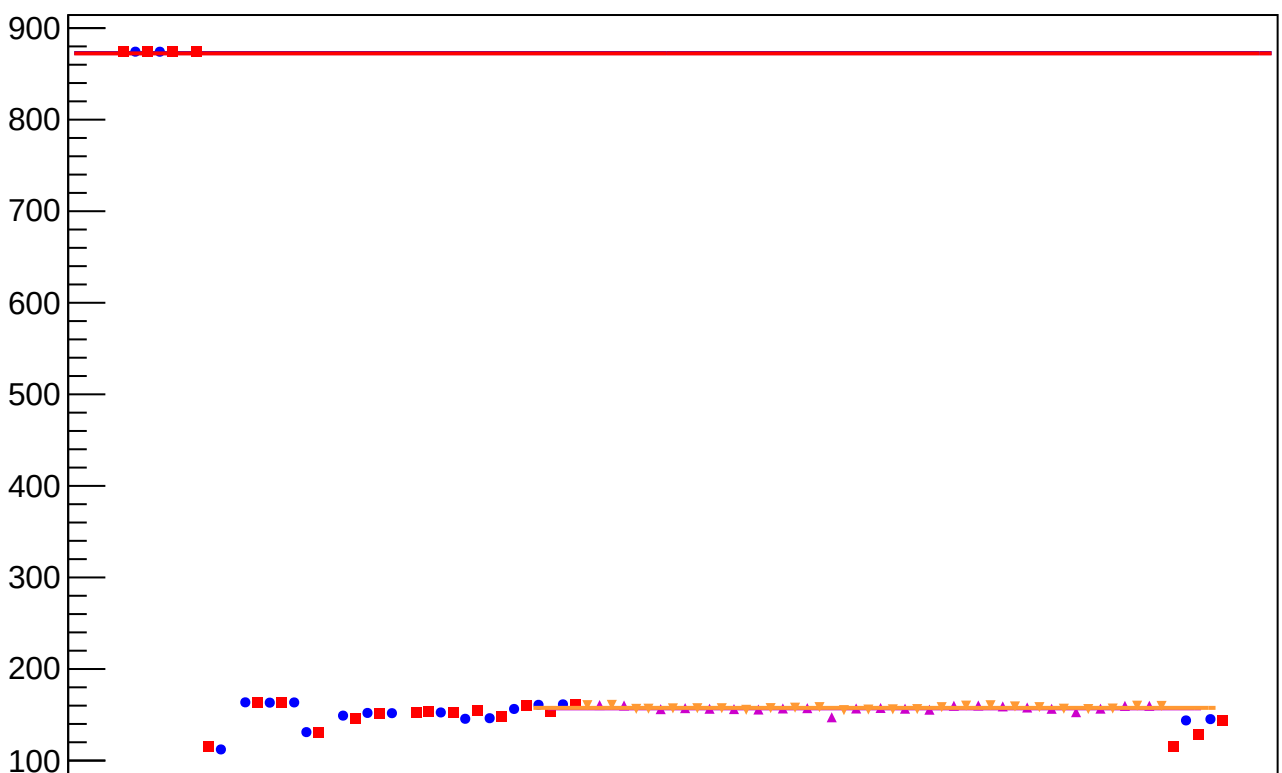
Right: 0.350+/-0.000 χ^2/NDF: 2820530.2/39

In: 0.409+/-0.000 χ^2/NDF:3462880.4/40

Out: 0.406+/-0.000 χ^2/NDF:3617837.3/46

All: 0.407+/-0.000 χ^2/NDF: 7082002.1/87

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.716+/-0.000 χ^2/NDF: 7740286060919.9/17

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.382+/-0.000 χ^2/NDF: 10964574914186.6/21

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

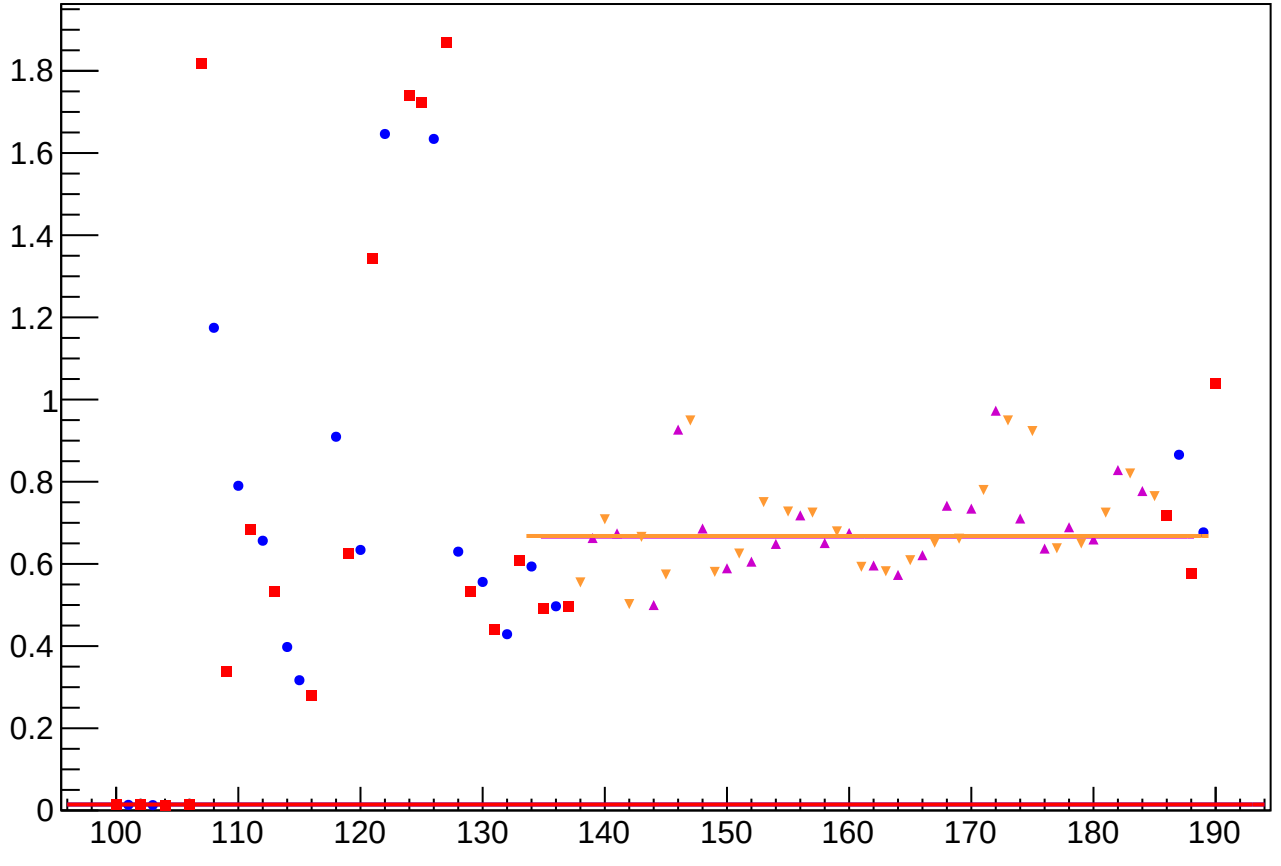
Right: 872.537+/-0.000 χ^2/NDF: 18705286540780.

In: 869.476+/-0.000 χ^2/NDF:24266126999423.0/

Out: 869.445+/-0.000 χ^2/NDF:28205292669776.0

All: 869.459+/-0.000 χ^2/NDF: 52471423253

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 10641033.3/17

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 11987495.6/21

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

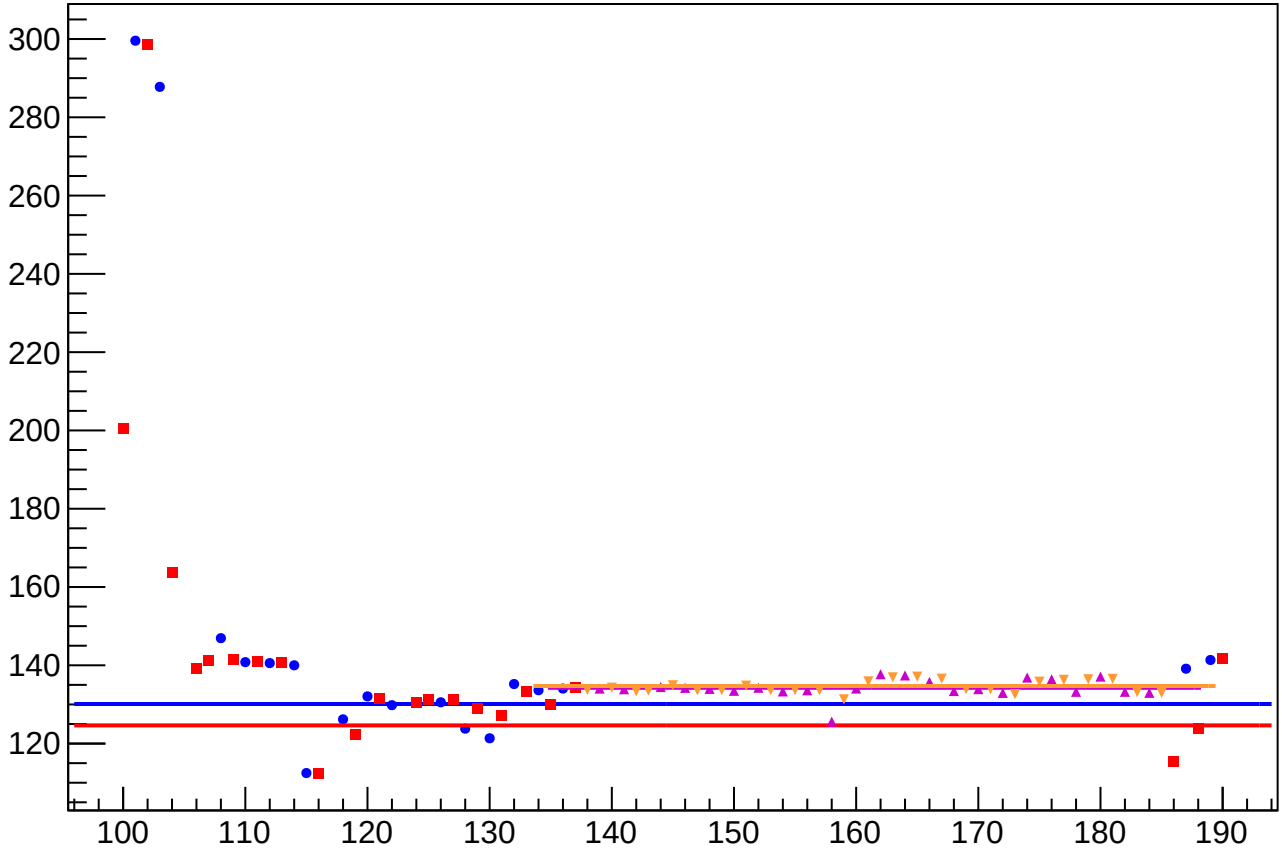
Right: 0.014+/-0.000 χ^2/NDF: 22628528.9/39

In: 0.017+/-0.000 χ^2/NDF:38604879.7/40

Out: 0.017+/-0.000 χ^2/NDF:41487785.4/46

All: 0.017+/-0.000 χ^2/NDF: 80093204.6/87

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 130.111+/-0.000 χ^2/NDF: 1890053541.3/17

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.646+/-0.000 χ^2/NDF: 1622734943.9/21

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

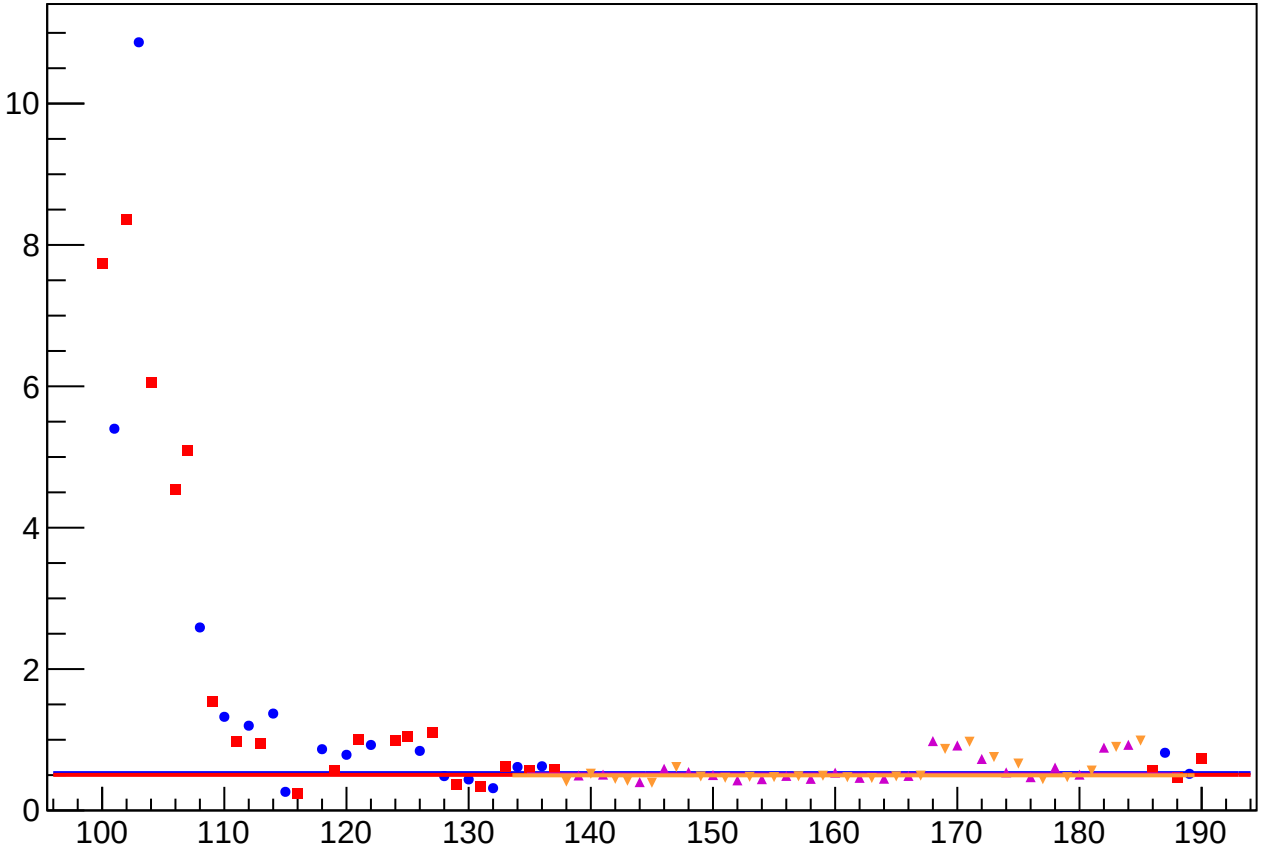
Right: 127.053+/-0.000 χ^2/NDF: 3764971471.2/39

In: 133.423+/-0.000 χ^2/NDF:2538390015.5/40

Out: 132.472+/-0.000 χ^2/NDF:3292727375.9/46

All: 132.917+/-0.000 χ^2/NDF: 5867489325.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.528+/-0.000 χ^2/NDF: 4178558.0/17

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.504+/-0.000 χ^2/NDF: 4949328.1/21

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

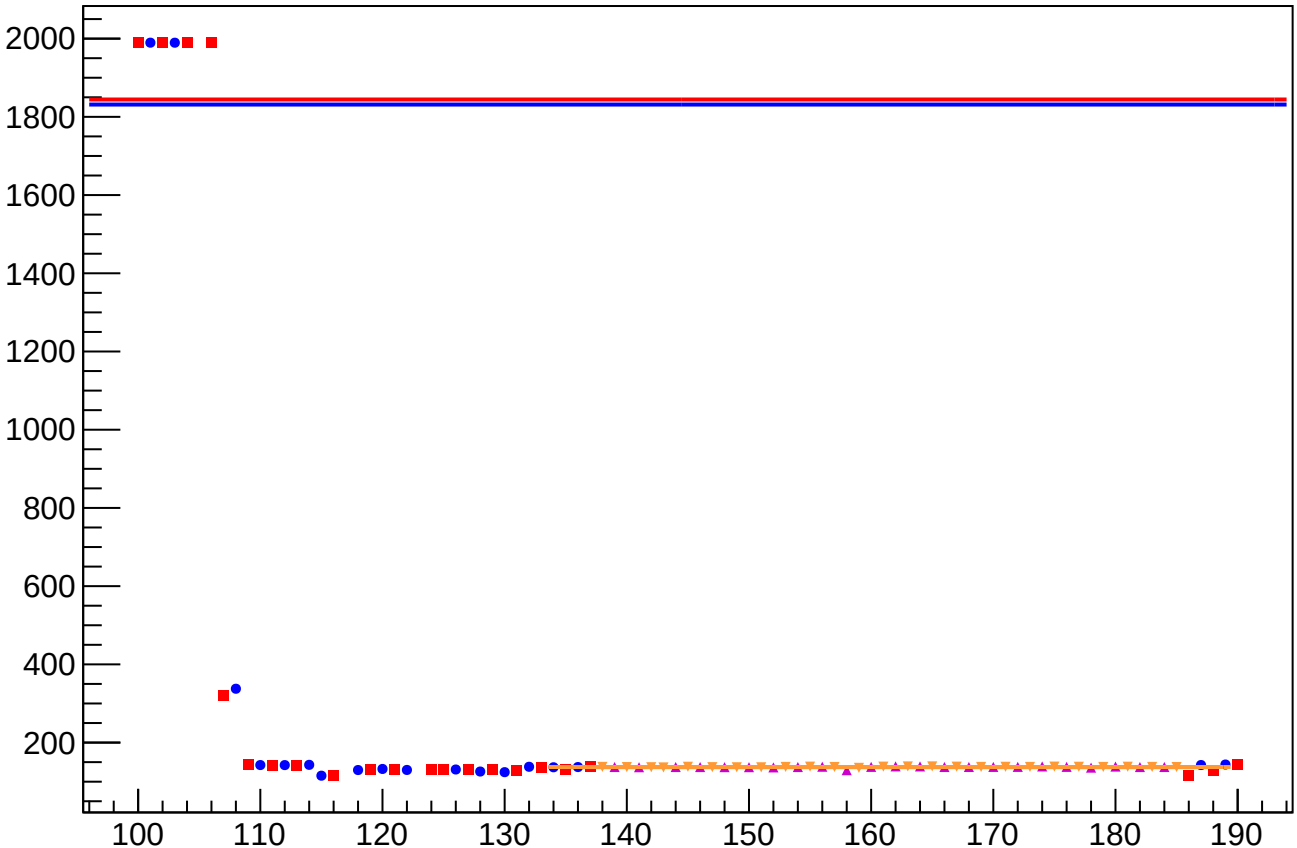
Right: 0.514+/-0.000 χ^2/NDF: 9137920.2/39

In: 0.513+/-0.000 χ^2/NDF:5672294.4/40

Out: 0.498+/-0.000 χ^2/NDF:6523209.8/46

All: 0.505+/-0.000 χ^2/NDF: 12213268.1/87

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1831.452+/-0.000 χ^2/NDF: 153974209549040.8/17

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1844.360+/-0.000 χ^2/NDF: 167782595627532.7/21

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

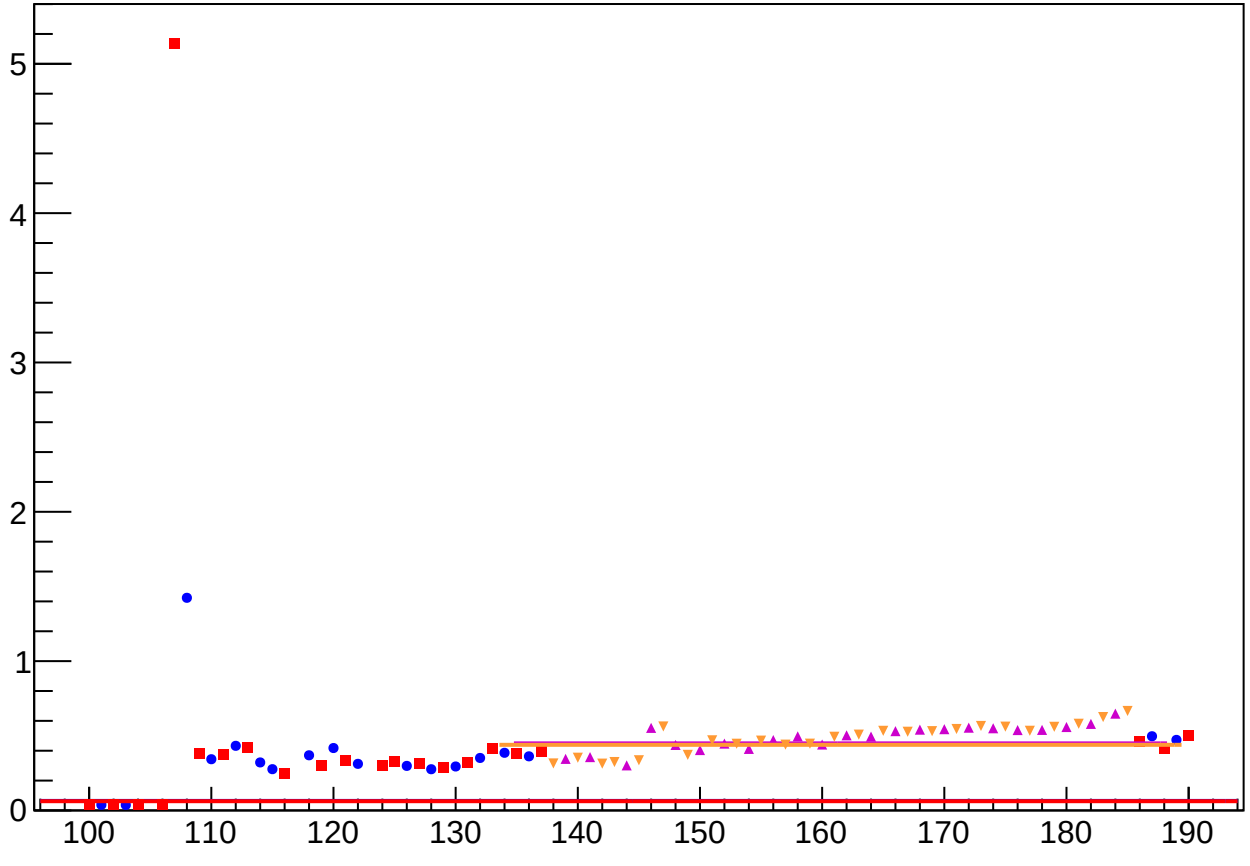
Right: 1838.430+/-0.000 χ^2/NDF: 32180842218000

In: 1612.922+/-0.000 χ^2/NDF:366158795088446.

Out: 1637.796+/-0.000 χ^2/NDF:40551747556632

All: 1626.311+/-0.000 χ^2/NDF: 7718954248

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 9146757.5/17

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.062+/-0.000 χ^2/NDF: 10157534.1/21

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

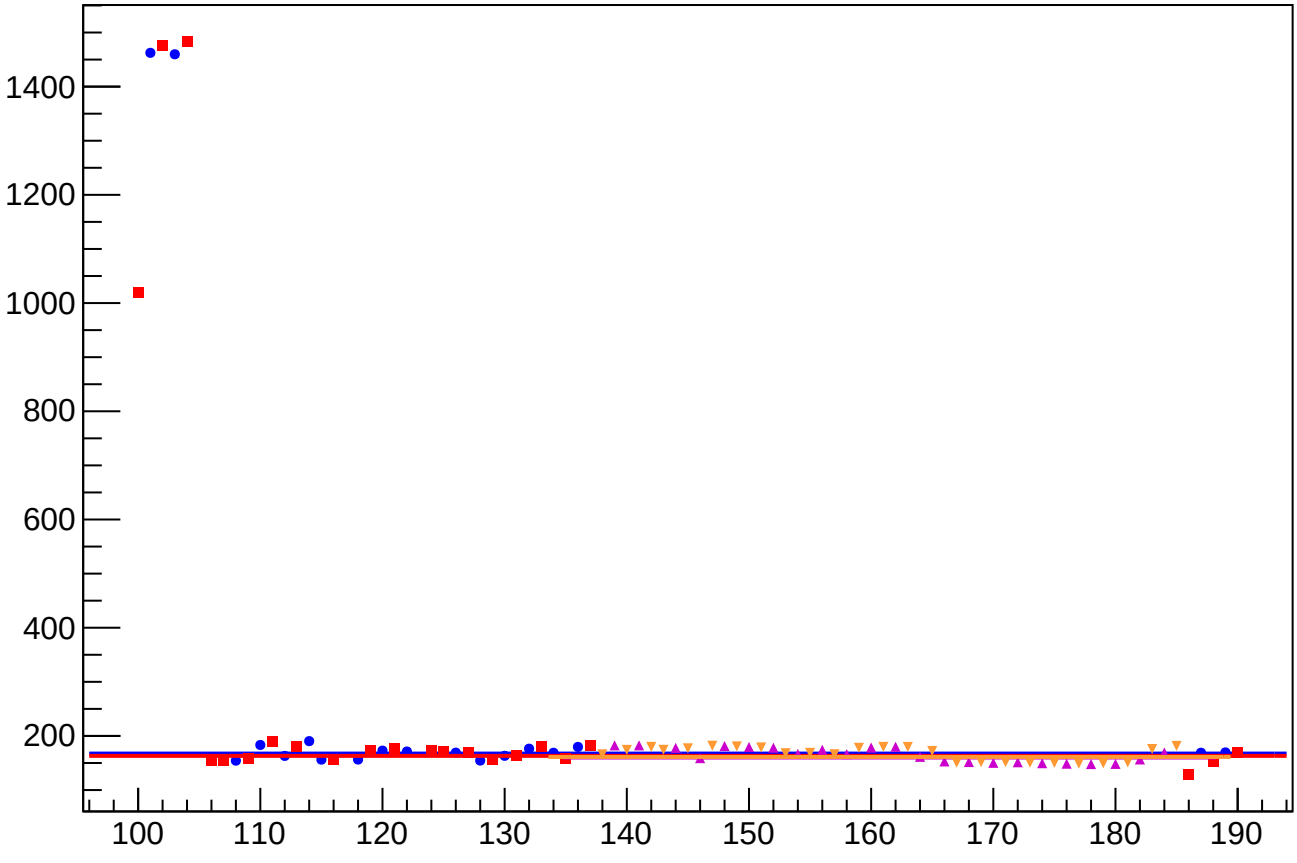
Right: 0.063+/-0.000 χ^2/NDF: 19306302.3/39

In: 0.114+/-0.000 χ^2/NDF:32455627.8/40

Out: 0.108+/-0.000 χ^2/NDF:35187501.1/46

All: 0.110+/-0.000 χ^2/NDF: 67667207.1/87

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.392+/-0.000 χ^2/NDF: 14619817483.4/17

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 163.189+/-0.000 χ^2/NDF: 17314284656.9/21

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

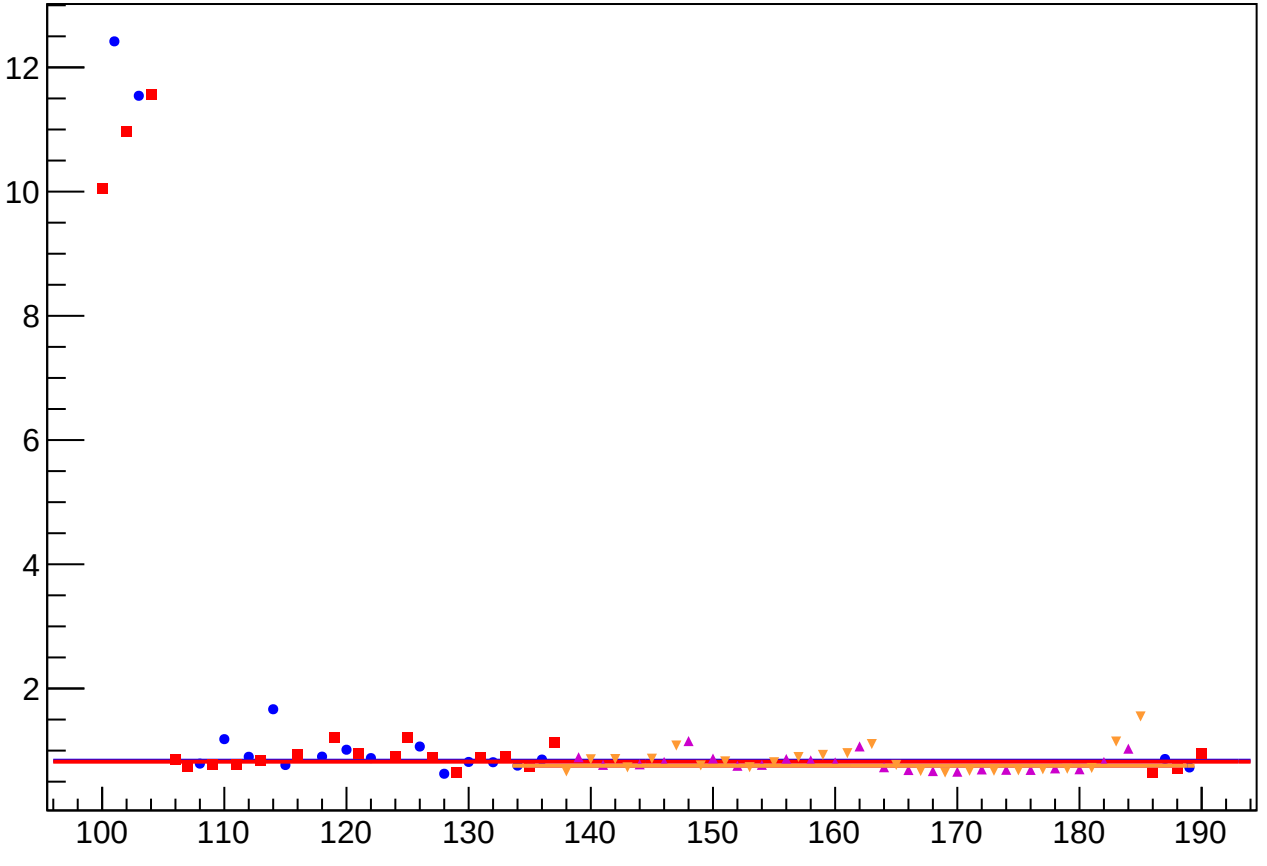
Right: 165.047+/-0.000 χ^2/NDF: 31995886060.3/39

In: 161.662+/-0.000 χ^2/NDF:18618701917.8/40

Out: 161.646+/-0.000 χ^2/NDF:21078290129.0/46

All: 161.654+/-0.000 χ^2/NDF: 39696996358.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.837+/-0.000 χ^2/NDF: 2324360.7/17

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.822+/-0.000 χ^2/NDF: 2312763.9/21

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

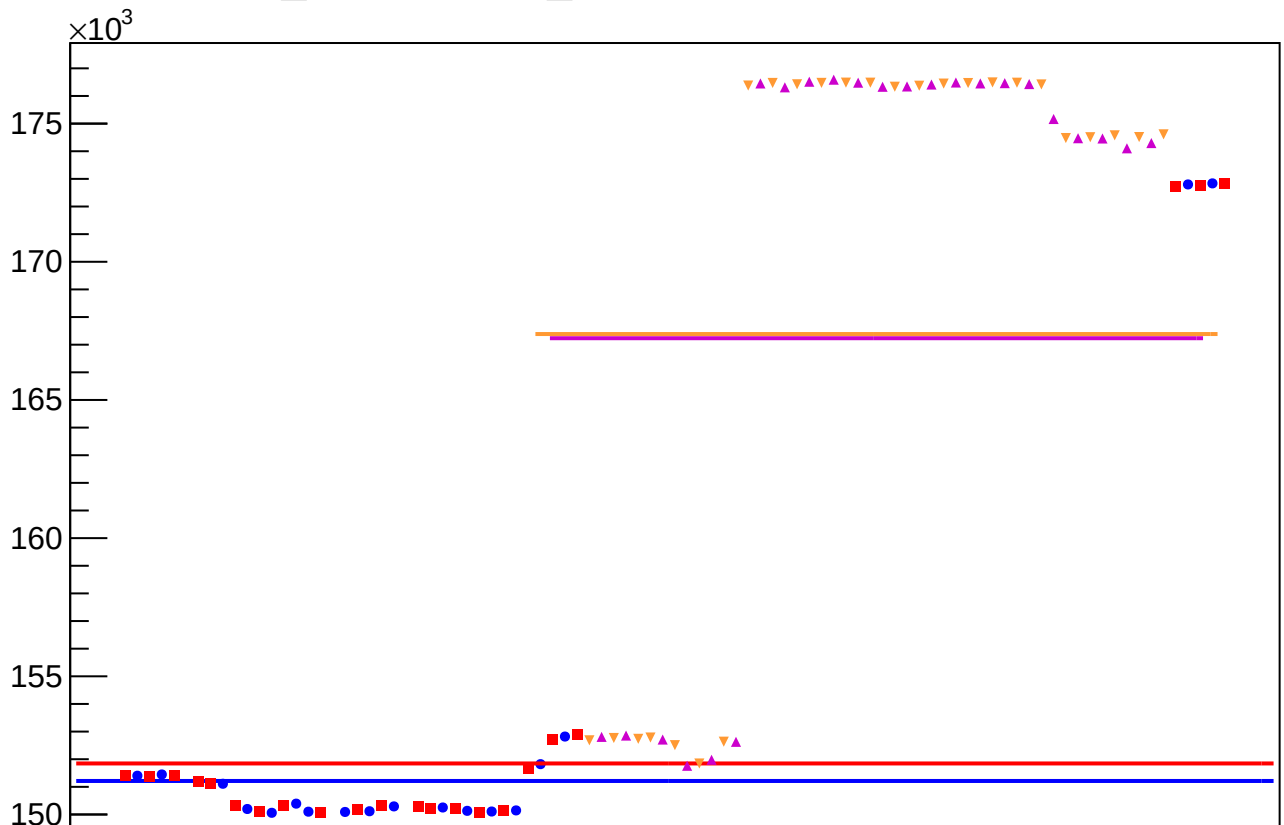
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.829+/-0.000 χ^2/NDF: 4638741.5/39

In: 0.773+/-0.000 χ^2/NDF:2863331.9/40

Out: 0.772+/-0.000 χ^2/NDF:3114617.9/46

All: 0.772+/-0.000 χ^2/NDF: 5977952.0/87



Right In: 151212.768+/-0.054 χ^2/NDF: 5044604678.4/17

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151846.693+/-0.049 χ^2/NDF: 11174213078.4/21

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

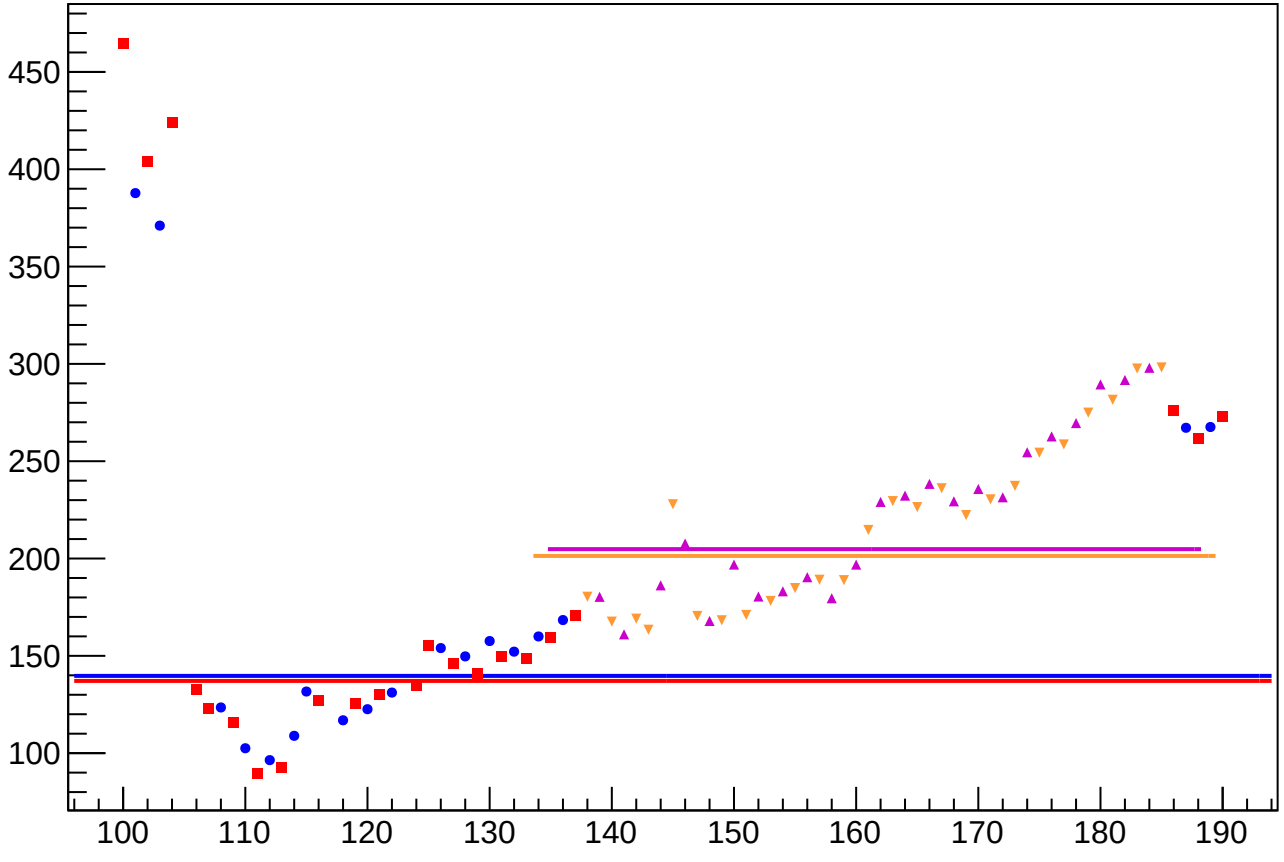
Right: 151556.258+/-0.036 χ^2/NDF: 16294006099.

In: 159993.157+/-0.036 χ^2/NDF:108719047580.2

Out: 160060.153+/-0.034 χ^2/NDF:122897084301.

All: 160028.756+/-0.025 χ^2/NDF: 23161795

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 139.704+/-0.038 χ^2/NDF: 1752274.6/17

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 137.118+/-0.035 χ^2/NDF: 2464476.6/21

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

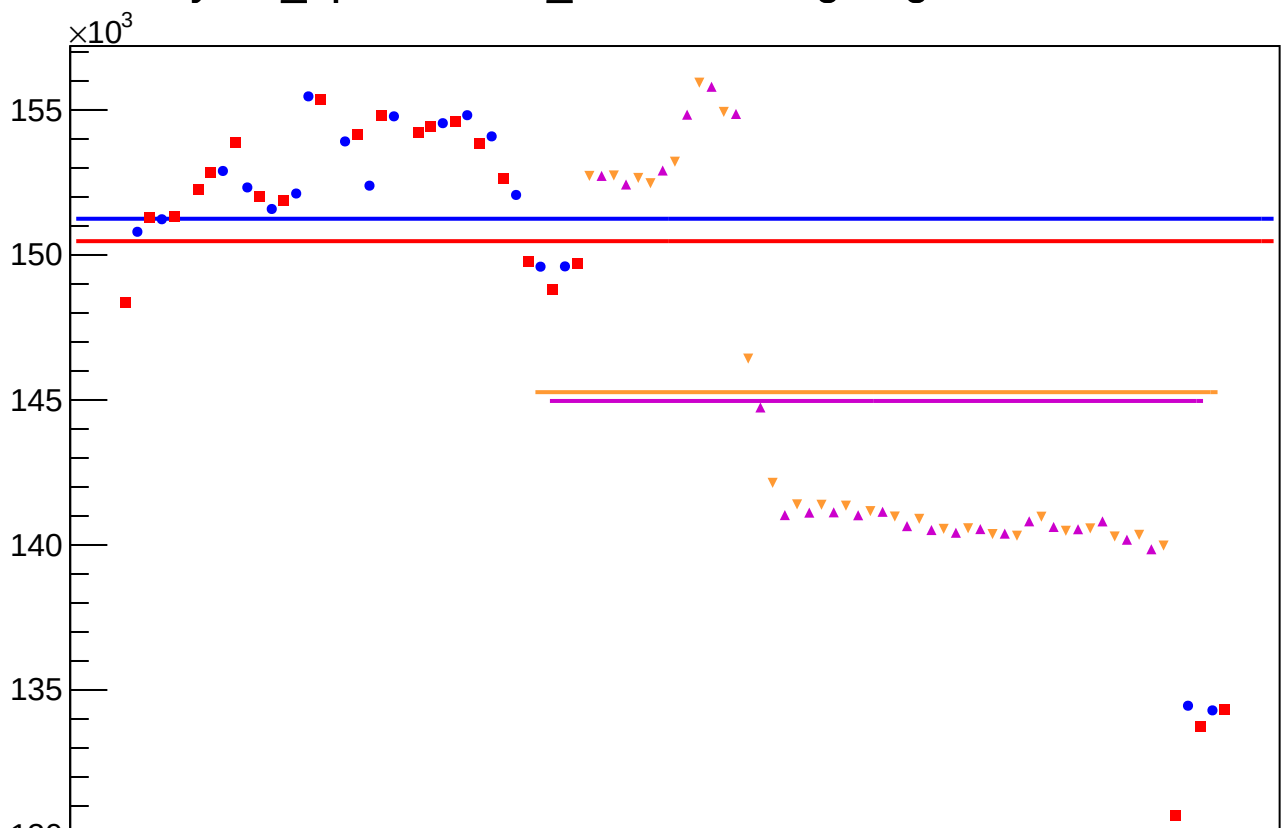
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 138.303+/-0.026 χ^2/NDF: 4219252.8/39

In: 175.393+/-0.026 χ^2/NDF:4410499.7/40

Out: 171.058+/-0.024 χ^2/NDF:5475112.5/46

All: 173.090+/-0.018 χ^2/NDF: 9900869.6/87



Right In: 151249.437+/-0.070 χ^2/NDF: 5137757260.5/17

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150476.581+/-0.062 χ^2/NDF: 11119924987.5/21

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

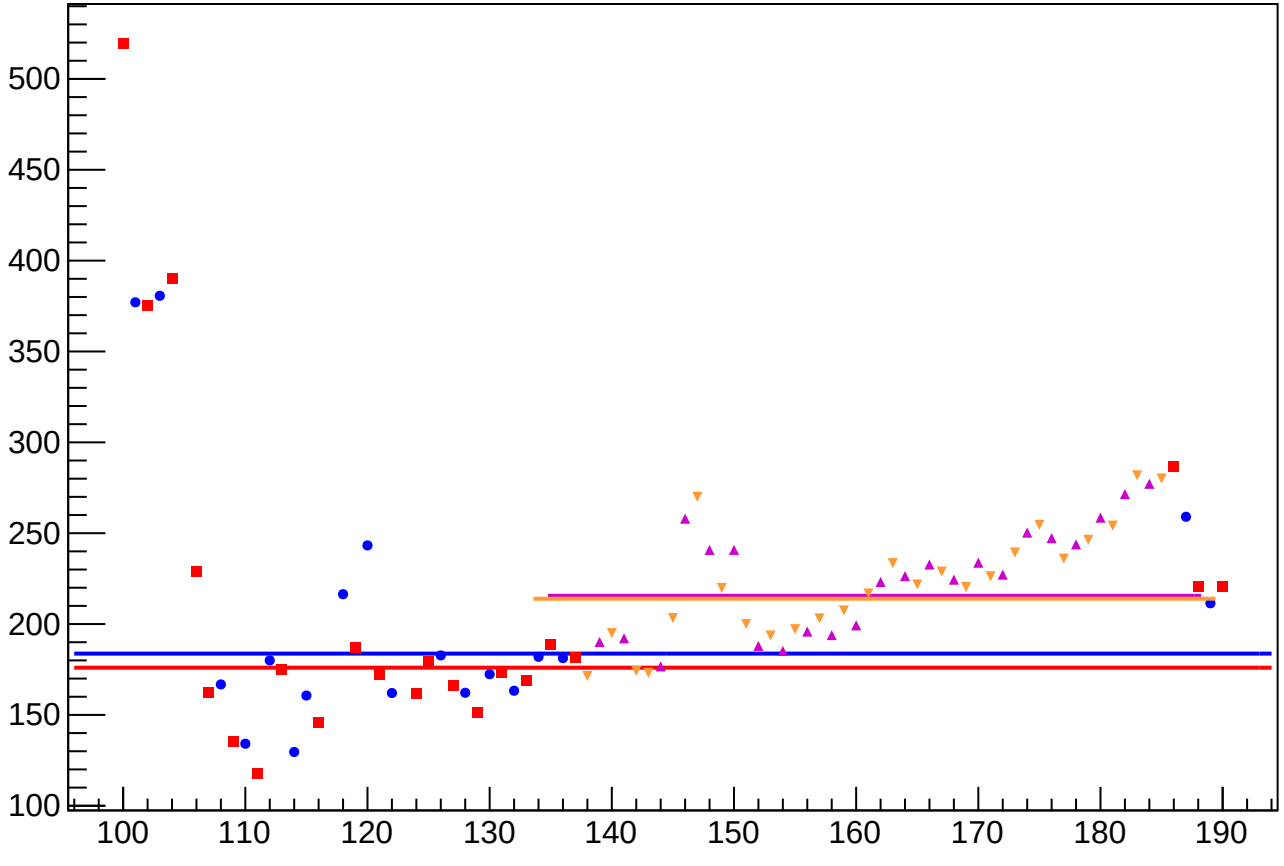
Right: 150819.398+/-0.047 χ^2/NDF: 16325545234.4

In: 147157.189+/-0.041 χ^2/NDF:23542297329.4/4

Out: 147271.952+/-0.039 χ^2/NDF:29099994827.0

All: 147218.262+/-0.028 χ^2/NDF: 52646396

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 183.738+/-0.049 χ^2/NDF: 959467.7/17

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 175.994+/-0.044 χ^2/NDF: 1342463.0/21

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

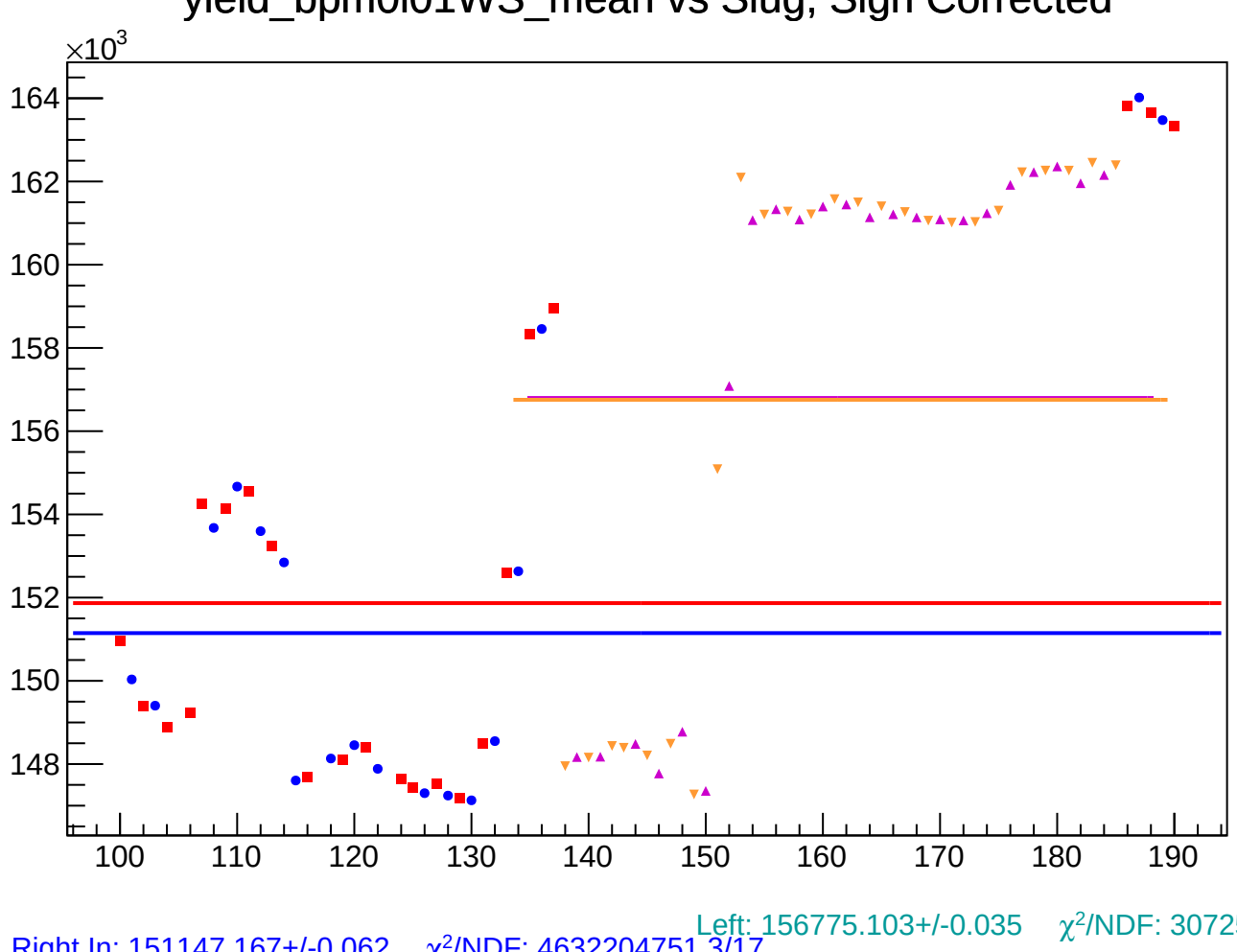
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 179.429+/-0.033 χ^2/NDF: 2315559.3/39

In: 204.450+/-0.029 χ^2/NDF:1829017.4/40

Out: 199.356+/-0.027 χ^2/NDF:2447331.6/46

All: 201.739+/-0.020 χ^2/NDF: 4292525.8/87



Right In: 151147.167+/-0.062 χ^2/NDF: 4632204751.3/17

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151867.821+/-0.058 χ^2/NDF: 6257804489.1/21

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

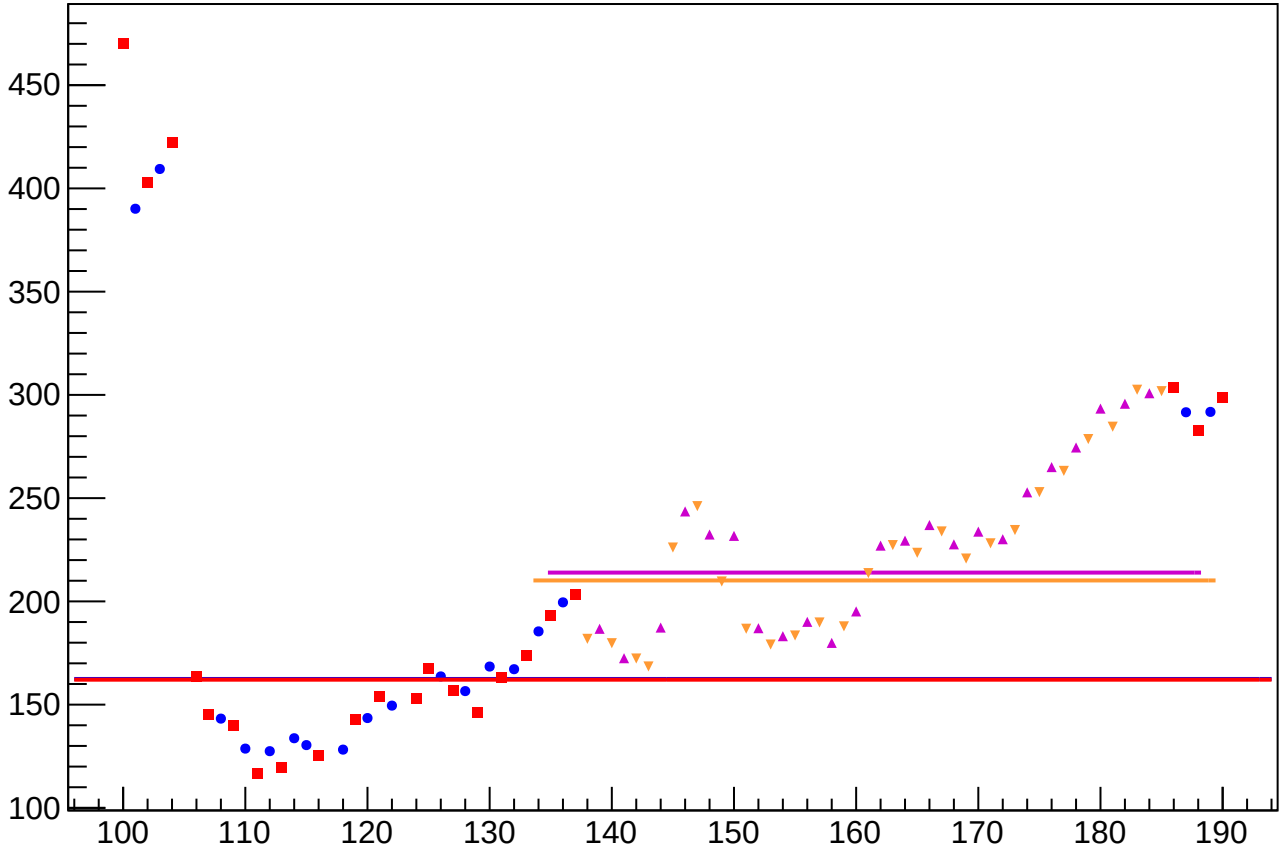
Right: 151530.801+/-0.042 χ^2/NDF: 10962209593.3

In: 154514.842+/-0.039 χ^2/NDF:23946102436.1/4

Out: 154736.646+/-0.037 χ^2/NDF:26805867664.0

All: 154631.719+/-0.027 χ^2/NDF: 507687259

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 162.429+/-0.044 χ^2/NDF: 1485472.9/17

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 162.089+/-0.041 χ^2/NDF: 1972224.1/21

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

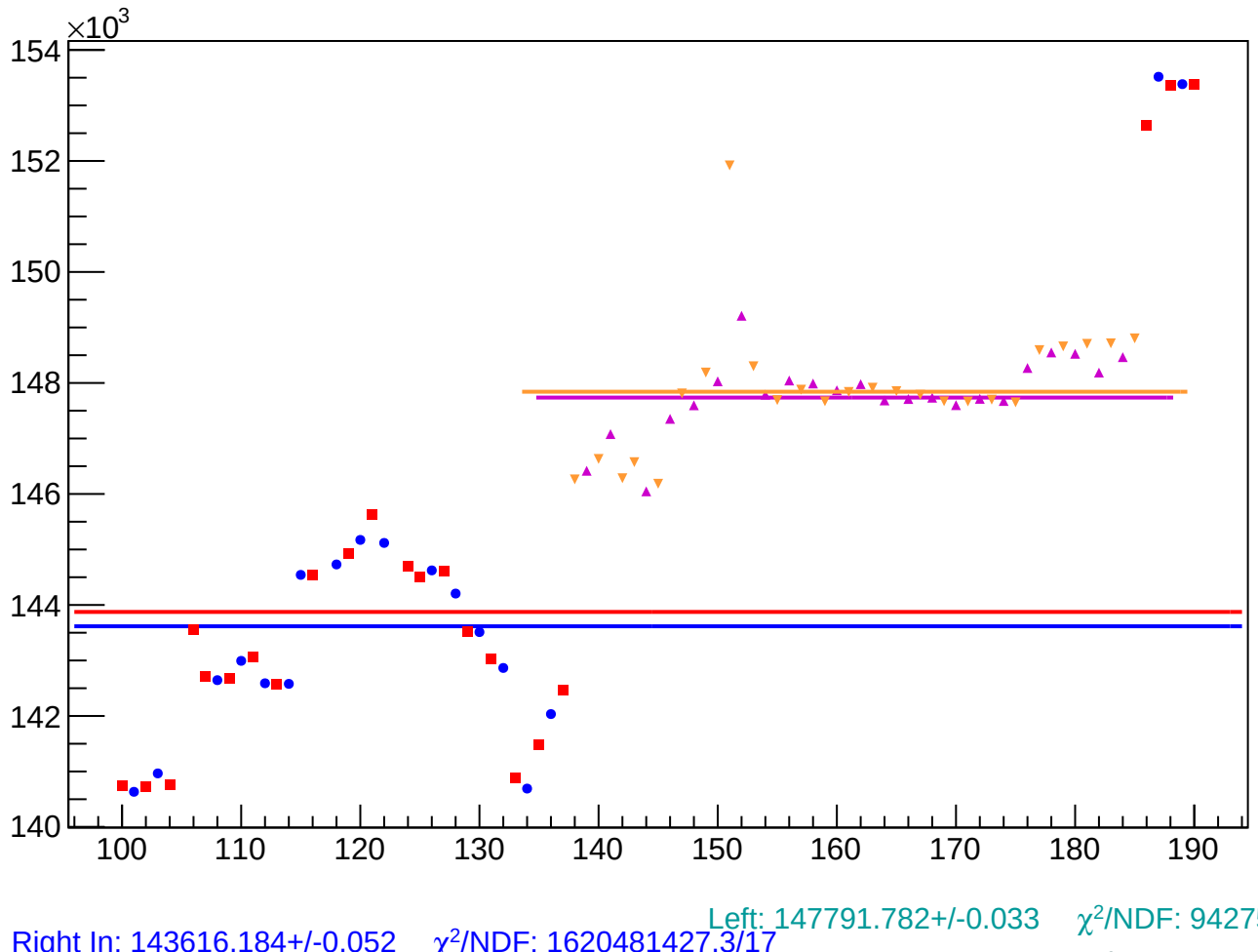
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 162.248+/-0.030 χ^2/NDF: 3457729.2/39

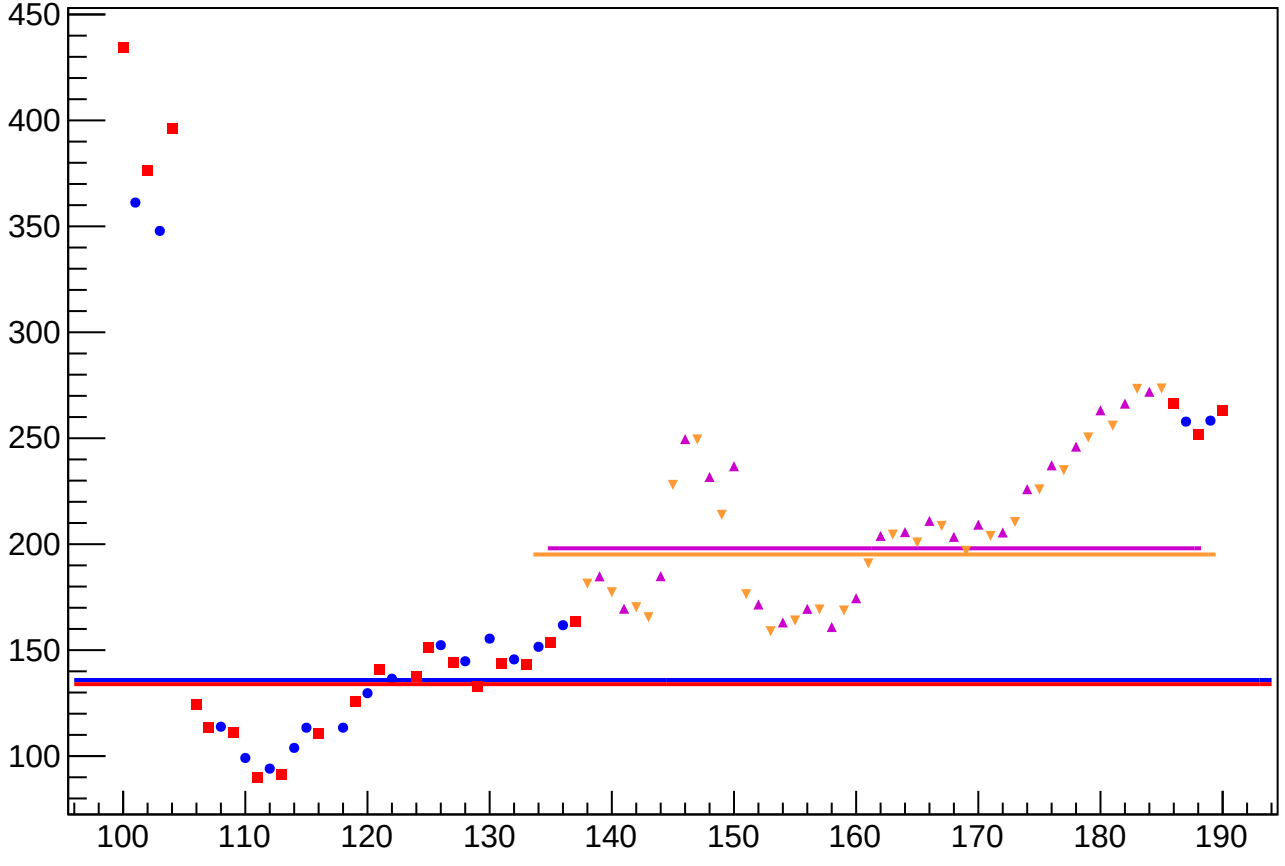
In: 193.130+/-0.028 χ^2/NDF:3226045.1/40

Out: 190.301+/-0.026 χ^2/NDF:3776050.4/46

All: 191.639+/-0.019 χ^2/NDF: 7007549.0/87


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
154
152
150
148
146
144
142
140
100
110
120
130
140
150
160
170
180
190
Right In: 143616.184+/-0.052 χ²/NDF: 1620481427.3/17
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 143874.442+/-0.048 χ²/NDF: 2979915020.0/21
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
Left: 147791.782+/-0.033 χ²/NDF: 942750848.6/47
Right: 143755.895+/-0.035 χ²/NDF: 4613568229.1/
In: 145889.326+/-0.035 χ²/NDF:5266857673.9/40
Out: 145989.113+/-0.033 χ²/NDF:7302776998.1/4
All: 145942.295+/-0.024 χ²/NDF: 12573938

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 135.903+/-0.037 χ^2/NDF: 1709434.2/17

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 133.949+/-0.034 χ^2/NDF: 2369401.6/21

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 134.846+/-0.025 χ^2/NDF: 4080343.6/39

In: 170.191+/-0.025 χ^2/NDF:4165721.0/40

Out: 166.565+/-0.023 χ^2/NDF:4990822.8/46

All: 168.266+/-0.017 χ^2/NDF: 9167908.8/87

Right In: 127197.634+/-0.057 χ^2/NDF: 1586271537.3/17

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126761.967+/-0.052 χ^2/NDF: 3356180715.4/21

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

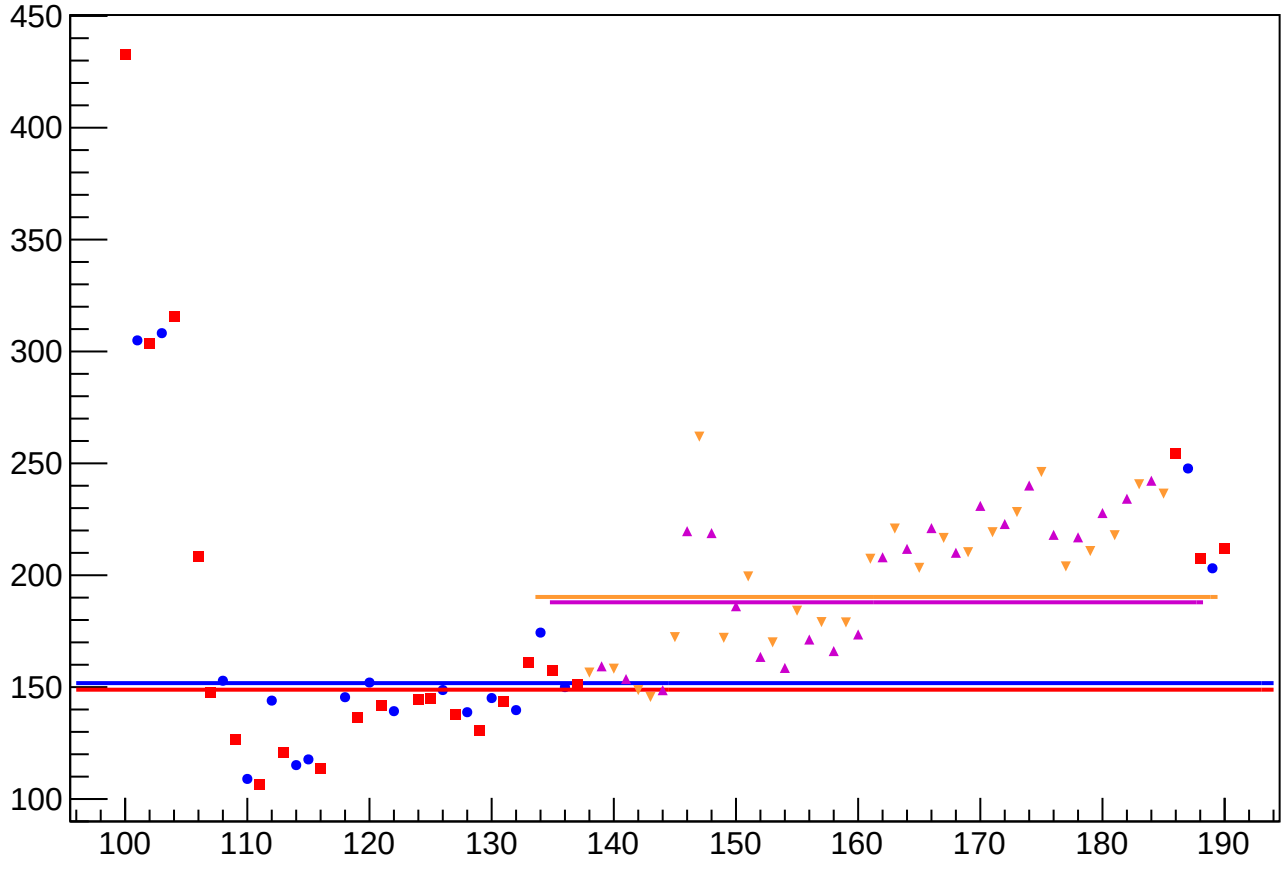
Right: 126960.992+/-0.038 χ^2/NDF: 4974286476.2/

In: 122540.093+/-0.035 χ^2/NDF:13787499587.7/4

Out: 122645.030+/-0.034 χ^2/NDF:16041183403.1

All: 122594.891+/-0.024 χ^2/NDF: 29833300

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 151.792+/-0.040 χ^2/NDF: 954845.7/17

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 148.852+/-0.037 χ^2/NDF: 1387455.4/21

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

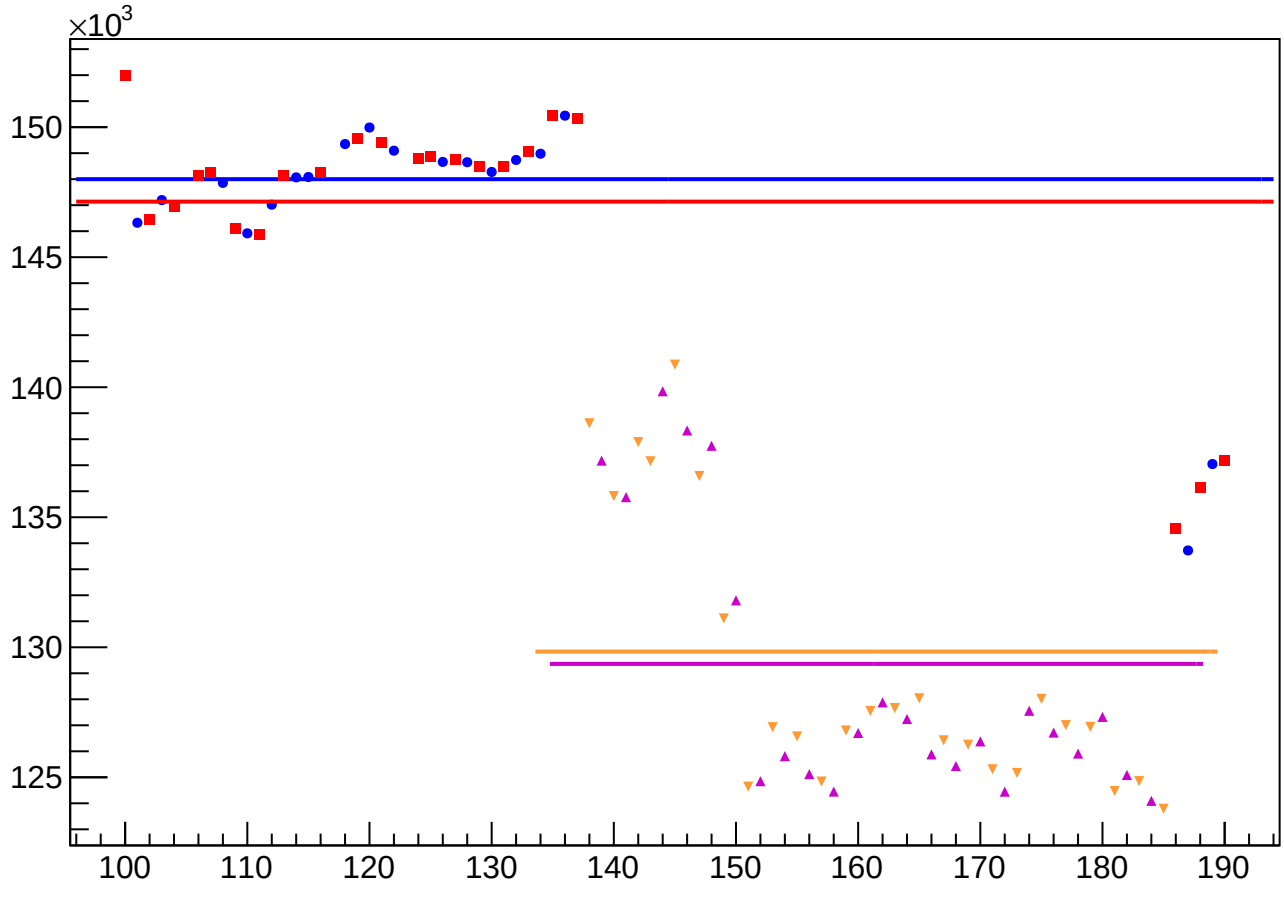
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 150.195+/-0.027 χ^2/NDF: 2345199.7/39

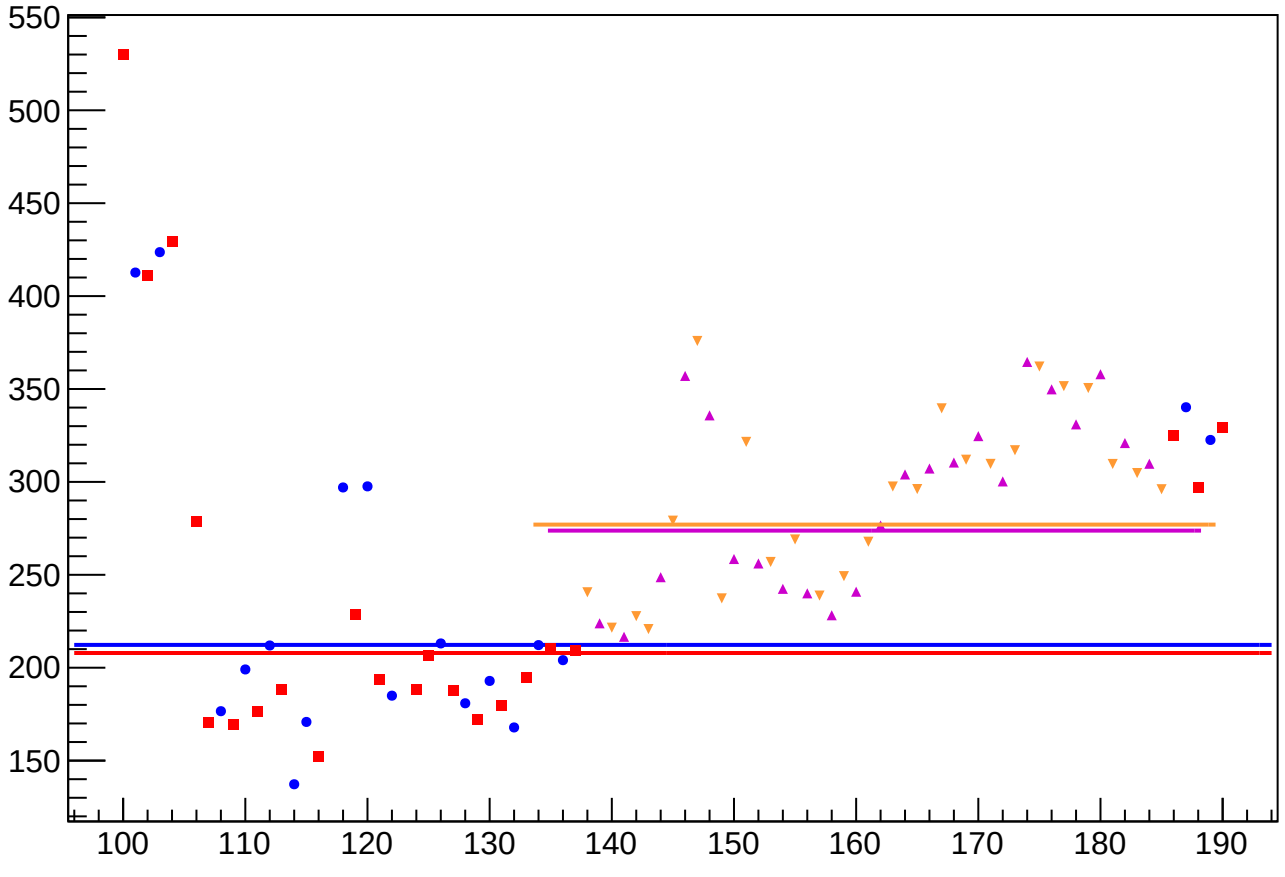
In: 174.019+/-0.025 χ^2/NDF:2376643.1/40

Out: 172.958+/-0.024 χ^2/NDF:3045572.0/46

All: 173.465+/-0.017 χ^2/NDF: 5423160.1/87


yield_bpm0l02WS_mean vs Slug, Sign Corrected
×10^3
150
145
140
135
130
125
100
110
120
130
140
150
160
170
180
190
Right In: 147999.897+/-0.080 χ²/NDF: 1188359069.3/17
Left Out: 129834.437+/-0.064 χ²/NDF:6793515279.7/24
Right Out: 147135.719+/-0.073 χ²/NDF: 2709707286.6/21
Left In: 129360.487+/-0.065 χ²/NDF:6626094577.9/22
Left: 129601.685+/-0.046 χ²/NDF: 13446375271.9
Right: 147527.193+/-0.054 χ²/NDF: 3961639085.9/
In: 136802.880+/-0.051 χ²/NDF:40294161164.3/4
Out: 137385.723+/-0.048 χ²/NDF:41202333940.4
All: 137108.792+/-0.035 χ²/NDF: 81565988

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 212.278+/-0.057 χ^2/NDF: 1156338.8/17

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 207.919+/-0.052 χ^2/NDF: 1303207.5/21

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

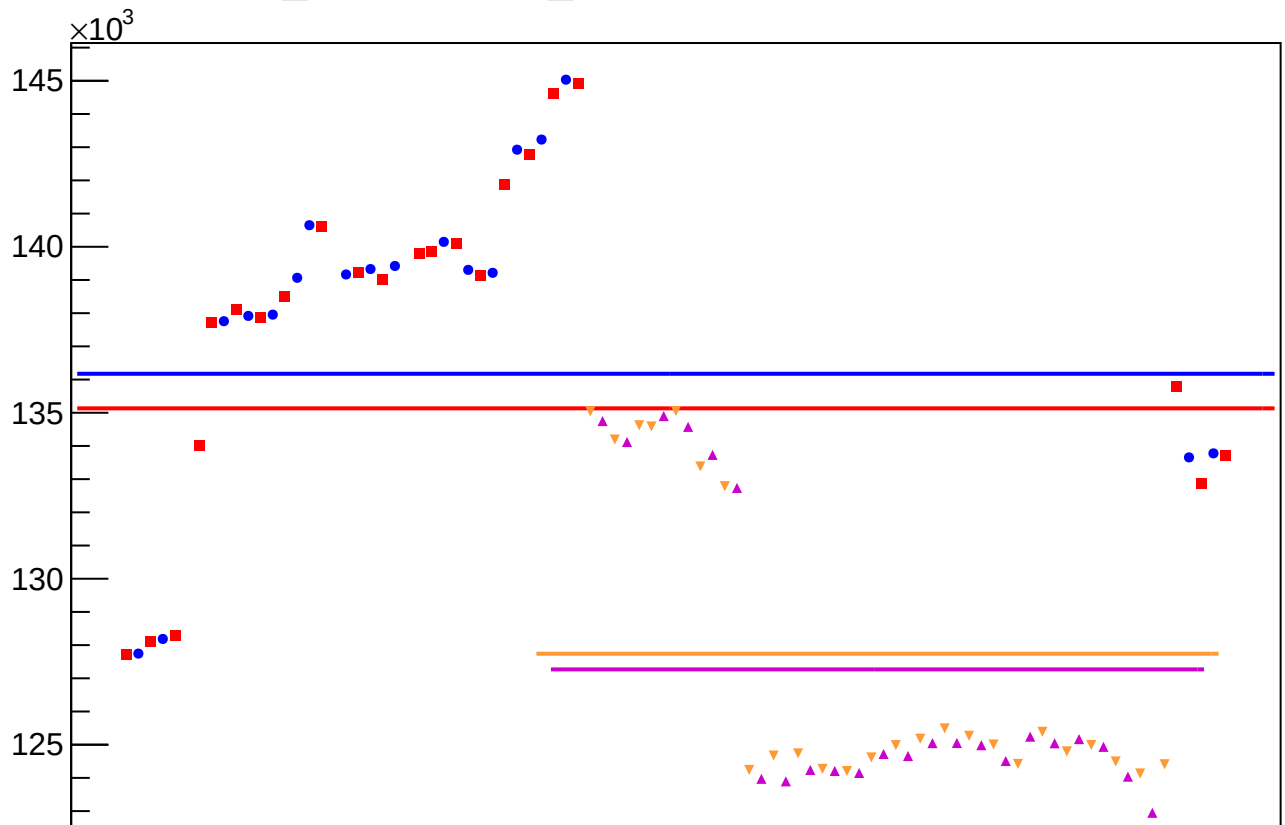
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 209.893+/-0.038 χ^2/NDF: 2462781.0/39

In: 249.226+/-0.036 χ^2/NDF:2867583.4/40

Out: 246.861+/-0.034 χ^2/NDF:3261160.6/46

All: 247.985+/-0.025 χ^2/NDF: 6131032.7/87



Right In: 136174.357+/-0.161 χ^2/NDF: 1599038828.4/17

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135132.731+/-0.149 χ^2/NDF: 1234202983.0/21

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

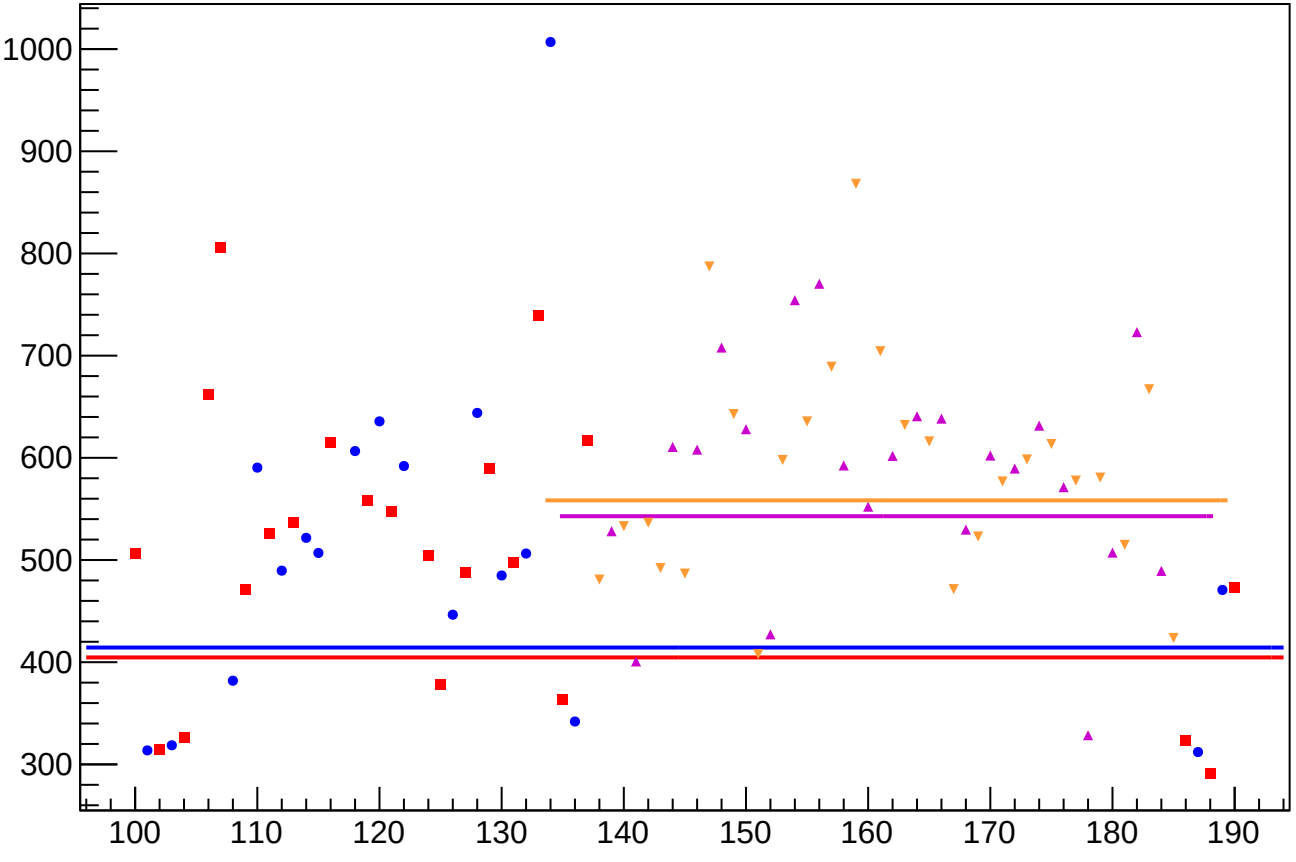
Right: 135613.326+/-0.109 χ^2/NDF: 2855757661.5/

In: 131056.494+/-0.105 χ^2/NDF:4326553087.4/40

Out: 131086.370+/-0.100 χ^2/NDF:3671970076.4/4

All: 131072.124+/-0.073 χ^2/NDF: 79985654

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 414.354+/-0.114 χ^2/NDF: 1074059.2/17

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 404.668+/-0.105 χ^2/NDF: 1266984.5/21

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

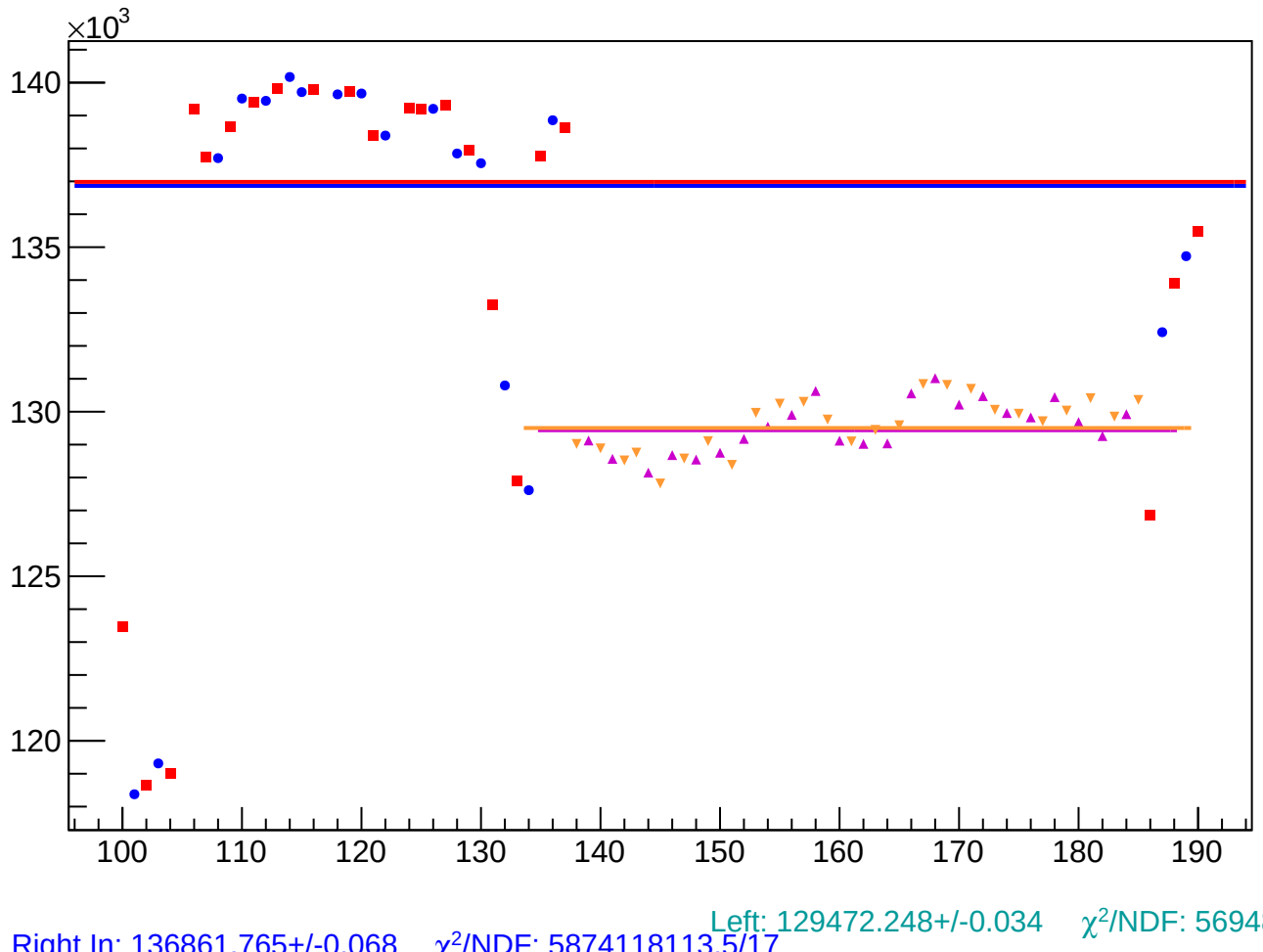
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 409.137+/-0.077 χ^2/NDF: 2344937.6/39

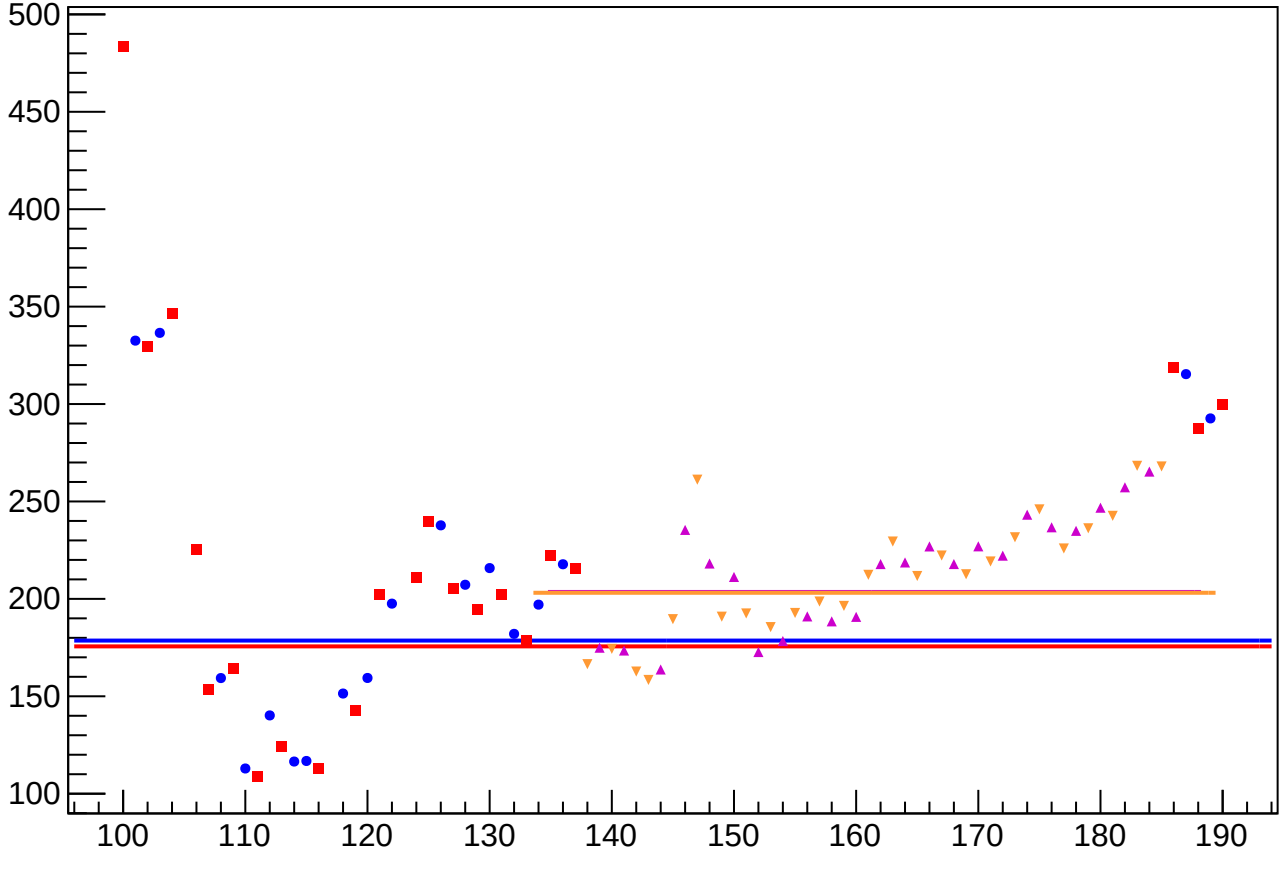
In: 488.209+/-0.074 χ^2/NDF:3222166.6/40

Out: 488.810+/-0.071 χ^2/NDF:3398681.4/46

All: 488.523+/-0.051 χ^2/NDF: 6620882.3/87


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
170
180
190
Right In: 136861.765+/-0.068 χ²/NDF: 5874118113.5/17
Left Out: 129504.922+/-0.047 χ²/NDF:299464438.2/24
Right Out: 136983.675+/-0.063 χ²/NDF: 6280014467.4/21
Left In: 129437.551+/-0.048 χ²/NDF:269025464.3/22
Left: 129472.248+/-0.034 χ²/NDF: 569486507.5/47
Right: 136927.635+/-0.046 χ²/NDF: 12155848129.4
In: 131915.900+/-0.040 χ²/NDF:13987676725.1/4
Out: 132173.087+/-0.038 χ²/NDF:15613726606.2
All: 132050.606+/-0.027 χ²/NDF: 29623574

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 178.595+/-0.048 χ^2/NDF: 1425026.1/17

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 175.614+/-0.045 χ^2/NDF: 2034486.5/21

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

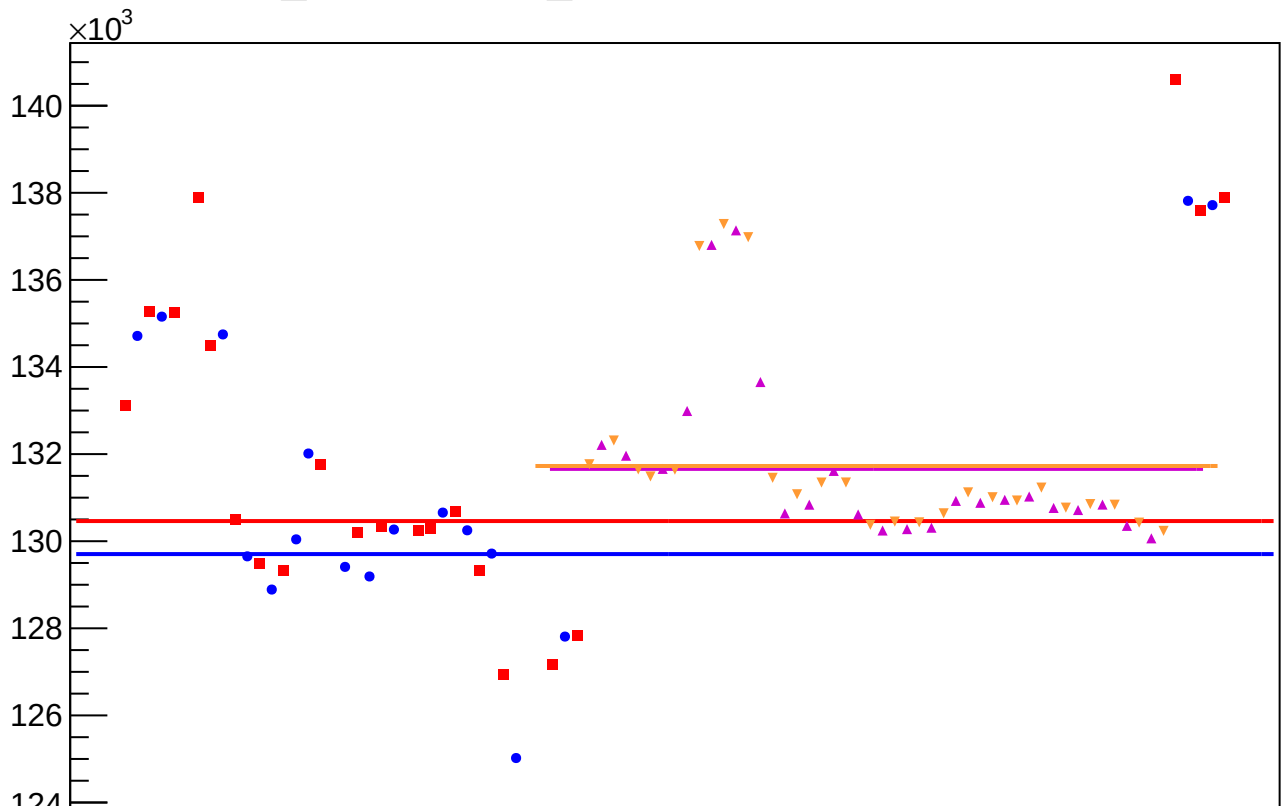
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 176.984+/-0.033 χ^2/NDF: 3461564.0/39

In: 195.217+/-0.028 χ^2/NDF:2268284.8/40

Out: 193.312+/-0.027 χ^2/NDF:3037508.1/46

All: 194.220+/-0.019 χ^2/NDF: 5308224.7/87



Right In: 129704.303+/-0.065 χ^2/NDF: 2420525379.3/17

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 130462.740+/-0.059 χ^2/NDF: 3509324148.9/21

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

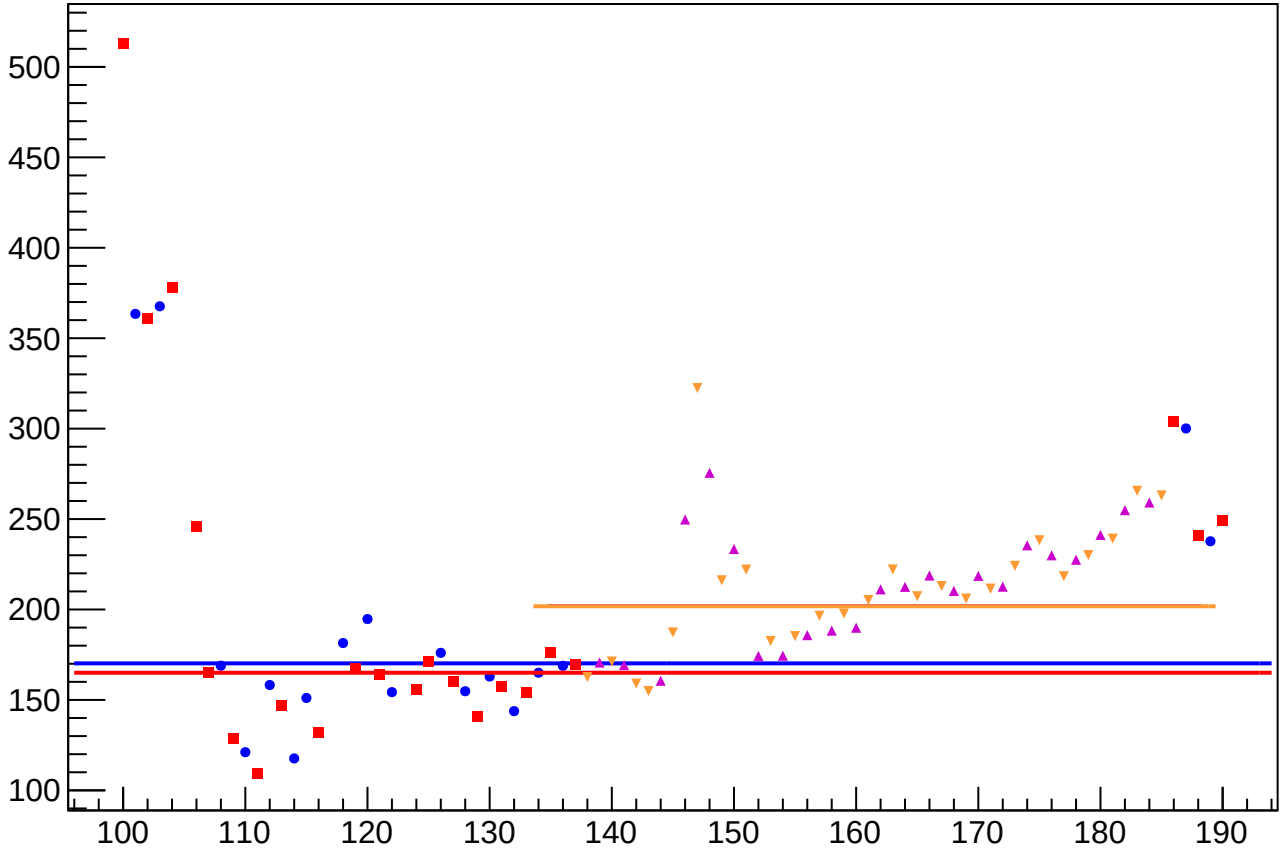
Right: 130119.688+/-0.043 χ^2/NDF: 6005319338.6/

In: 130961.496+/-0.039 χ^2/NDF:4174041532.1/40

Out: 131235.312+/-0.037 χ^2/NDF:5217704057.4/4

All: 131105.688+/-0.027 χ^2/NDF: 94182148

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 170.218+/-0.046 χ^2/NDF: 1098116.2/17

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 165.038+/-0.042 χ^2/NDF: 1646525.4/21

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

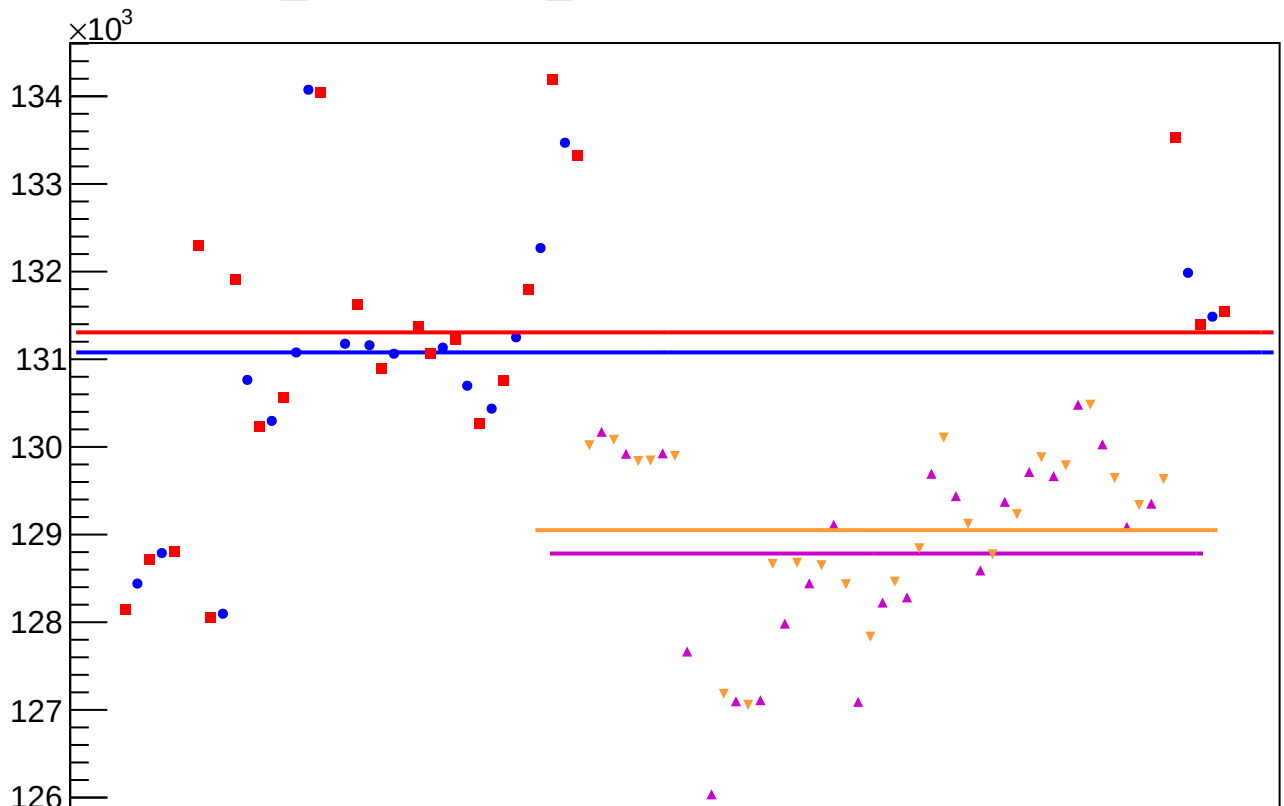
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 167.381+/-0.031 χ^2/NDF: 2751682.5/39

In: 190.609+/-0.027 χ^2/NDF:2210802.5/40

Out: 187.500+/-0.026 χ^2/NDF:3030898.4/46

All: 188.972+/-0.019 χ^2/NDF: 5248527.6/87



Right In: 131078.311+/-0.059 χ^2/NDF: 527956514.4/17

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131306.428+/-0.054 χ^2/NDF: 628905254.3/21

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

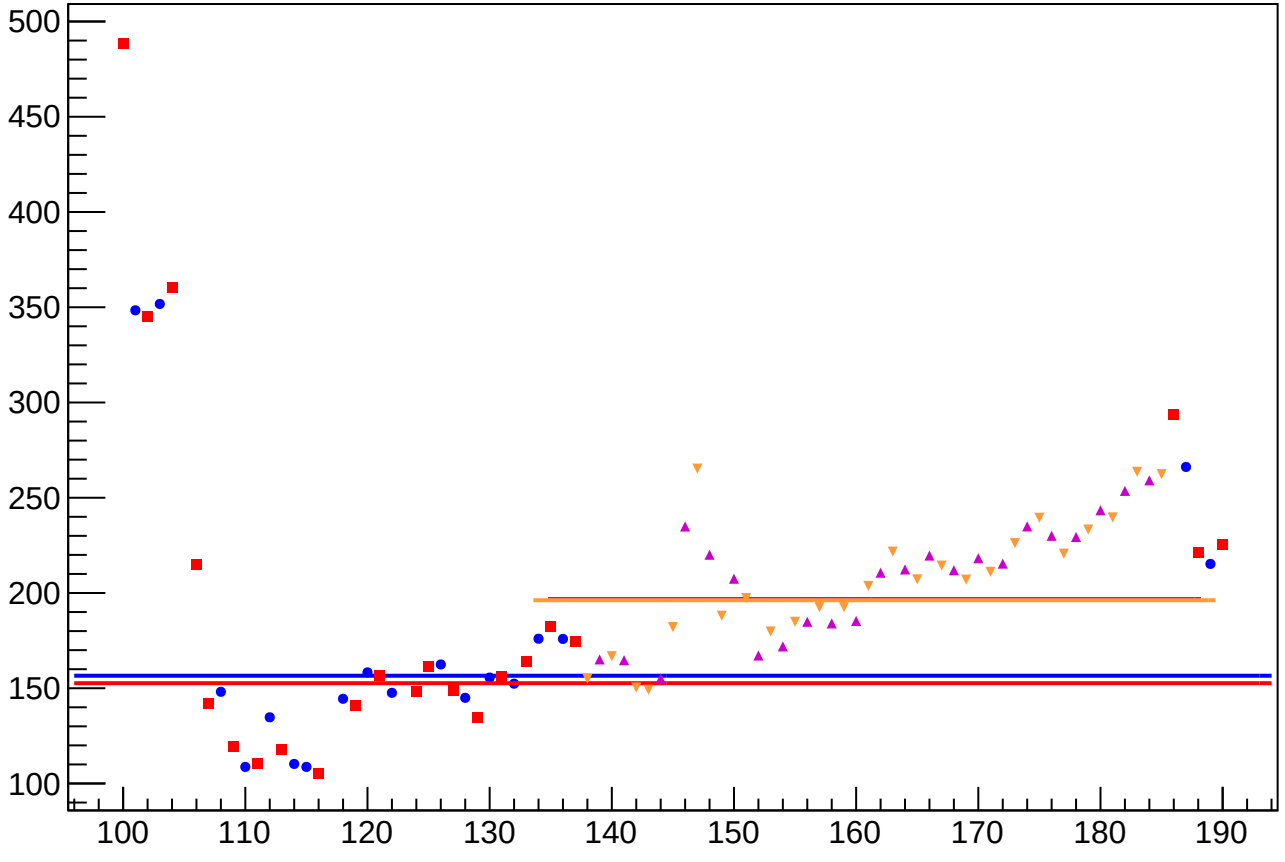
Right: 131202.536+/-0.040 χ^2/NDF: 1164966191.5/

In: 129669.799+/-0.037 χ^2/NDF:2107905303.9/40

Out: 129985.360+/-0.035 χ^2/NDF:2178945227.2/4

All: 129836.094+/-0.025 χ^2/NDF: 43257189

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 156.568+/-0.042 χ^2/NDF: 1208126.9/17

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 152.648+/-0.038 χ^2/NDF: 1742194.9/21

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

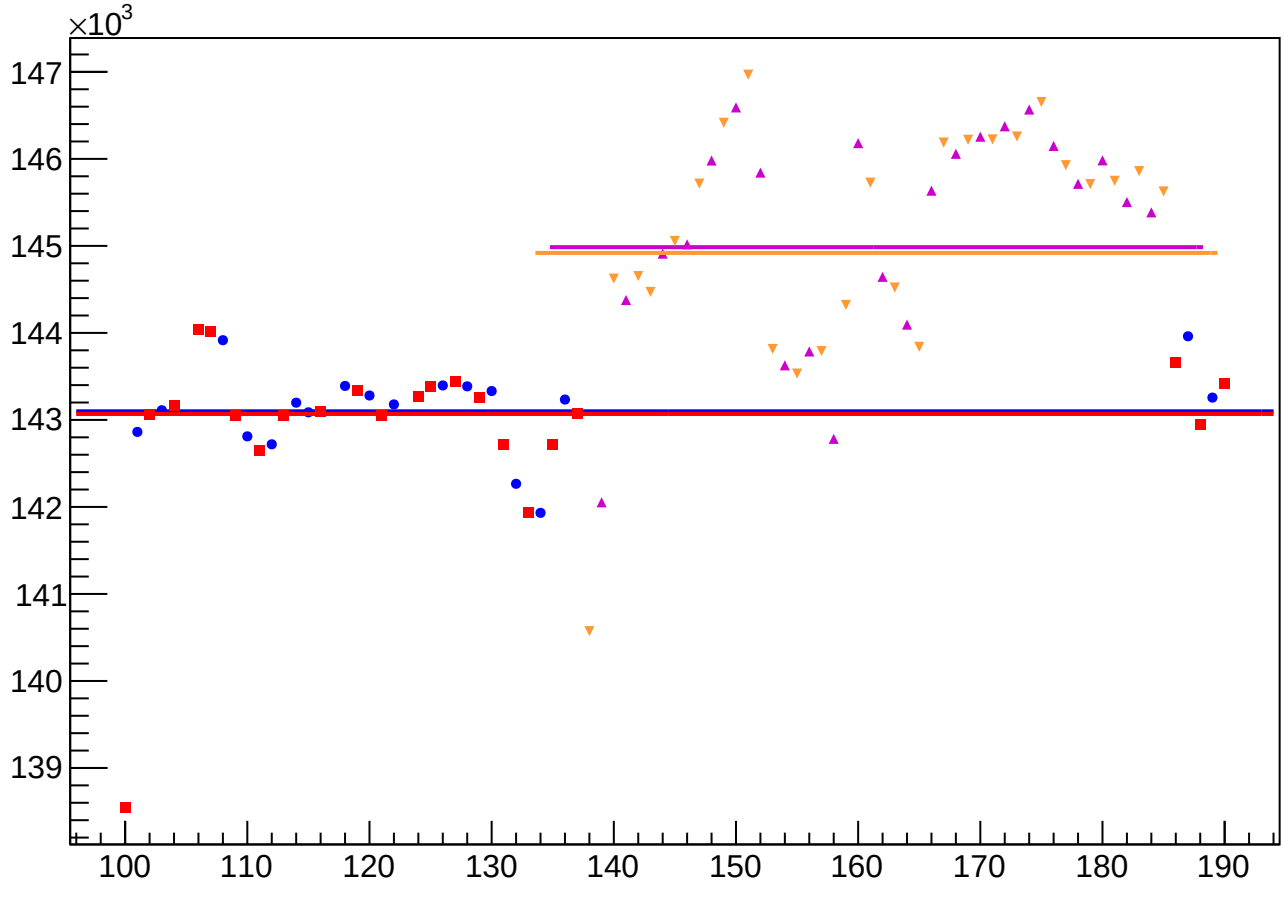
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 154.434+/-0.028 χ^2/NDF: 2955107.9/39

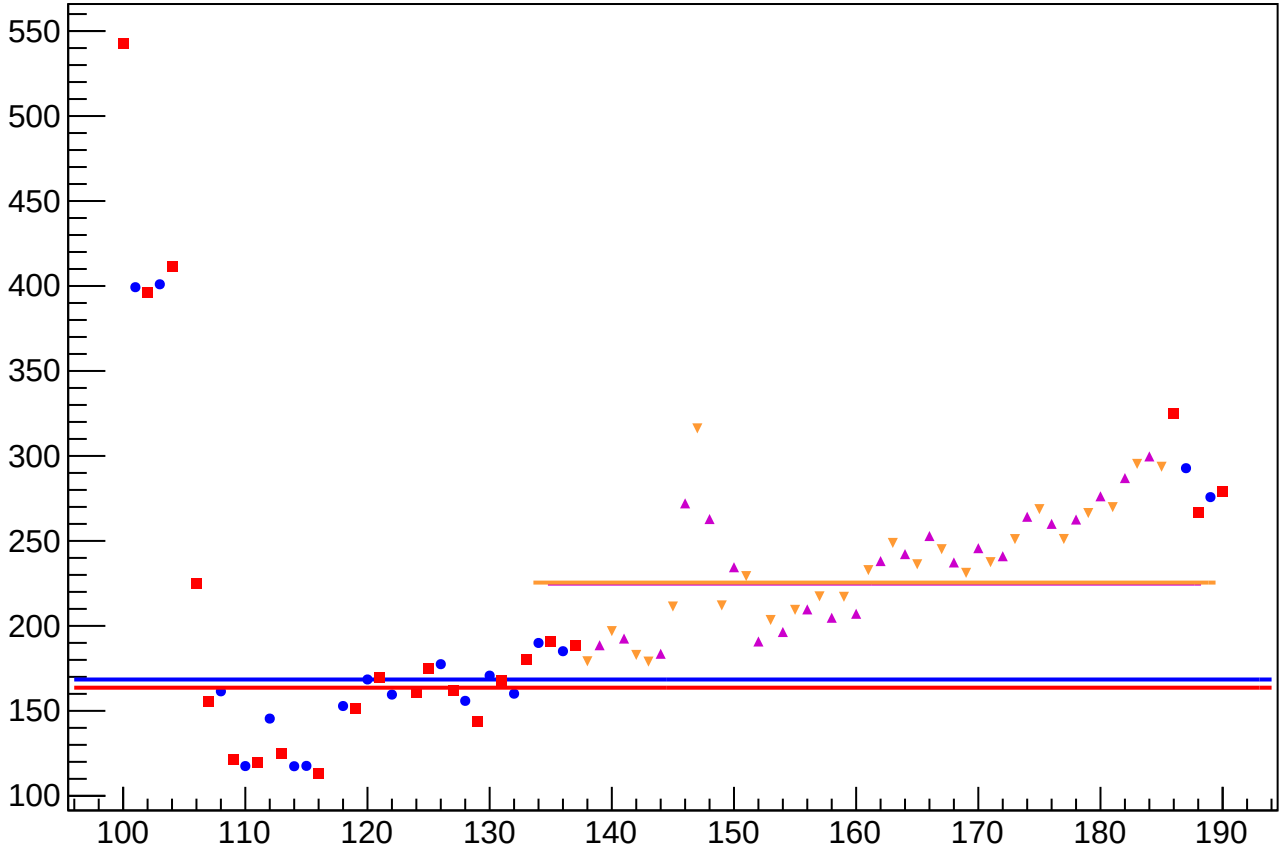
In: 181.290+/-0.026 χ^2/NDF:2550650.3/40

Out: 178.153+/-0.025 χ^2/NDF:3424777.7/46

All: 179.637+/-0.018 χ^2/NDF: 5983108.9/87


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
160
170
180
190
Right In: 143098.981+/-0.064 χ²/NDF: 48537504.0/17
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143068.315+/-0.058 χ²/NDF: 53813440.4/21
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143082.284+/-0.043 χ²/NDF: 102476479.1/3
In: 144206.327+/-0.041 χ²/NDF:1179524932.9/40
Out: 144097.060+/-0.039 χ²/NDF:1447363041.8/4
All: 144148.815+/-0.028 χ²/NDF: 26306181

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 168.457+/-0.045 χ^2/NDF: 1364945.4/17

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 163.637+/-0.041 χ^2/NDF: 2005180.6/21

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

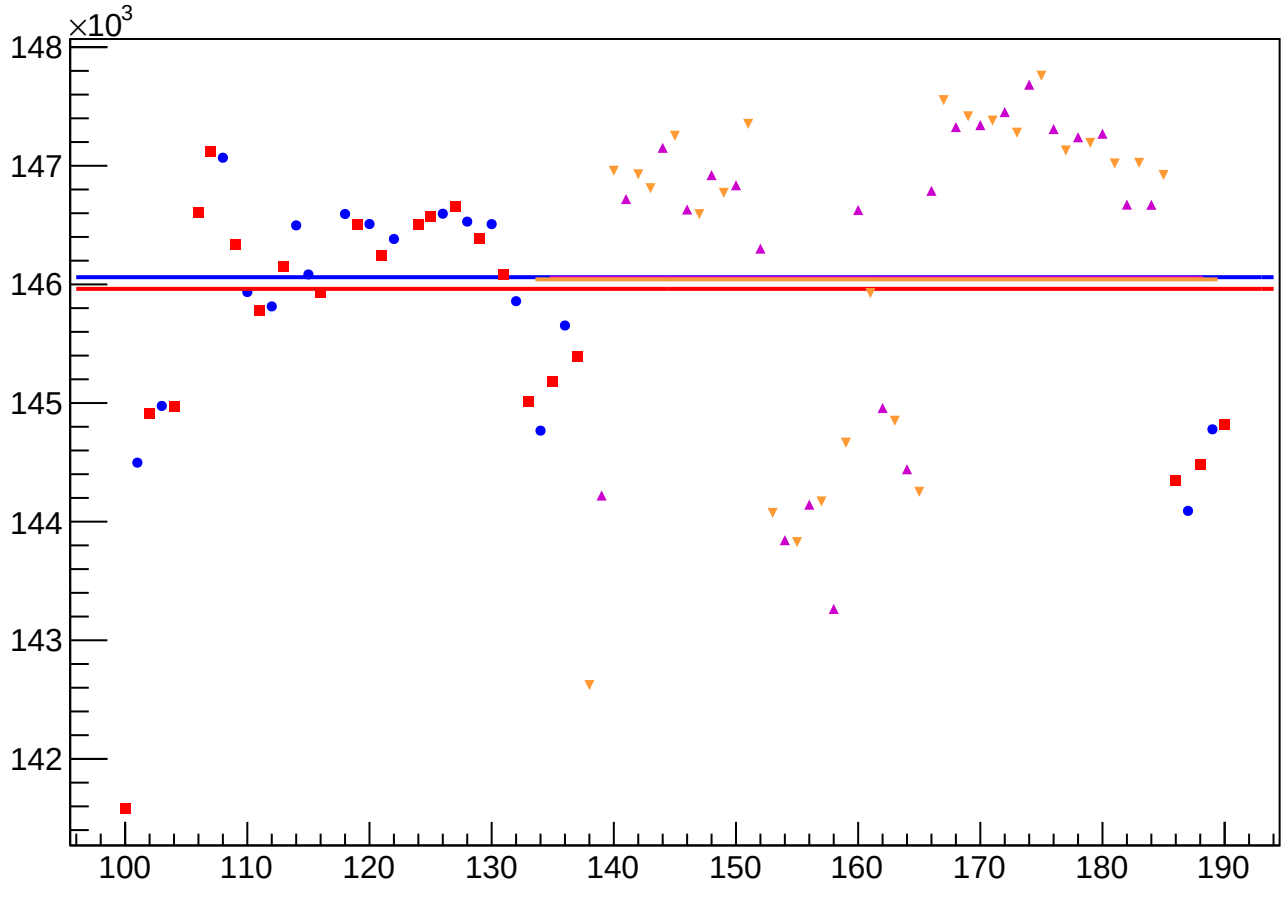
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 165.832+/-0.030 χ^2/NDF: 3376328.6/39

In: 201.568+/-0.029 χ^2/NDF:3004672.7/40

Out: 198.004+/-0.028 χ^2/NDF:4026187.2/46

All: 199.692+/-0.020 χ^2/NDF: 7038796.1/87



Right In: 146060.847+/-0.066 χ^2/NDF: 98288046.0/17

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 145962.339+/-0.059 χ^2/NDF: 135520576.6/21

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

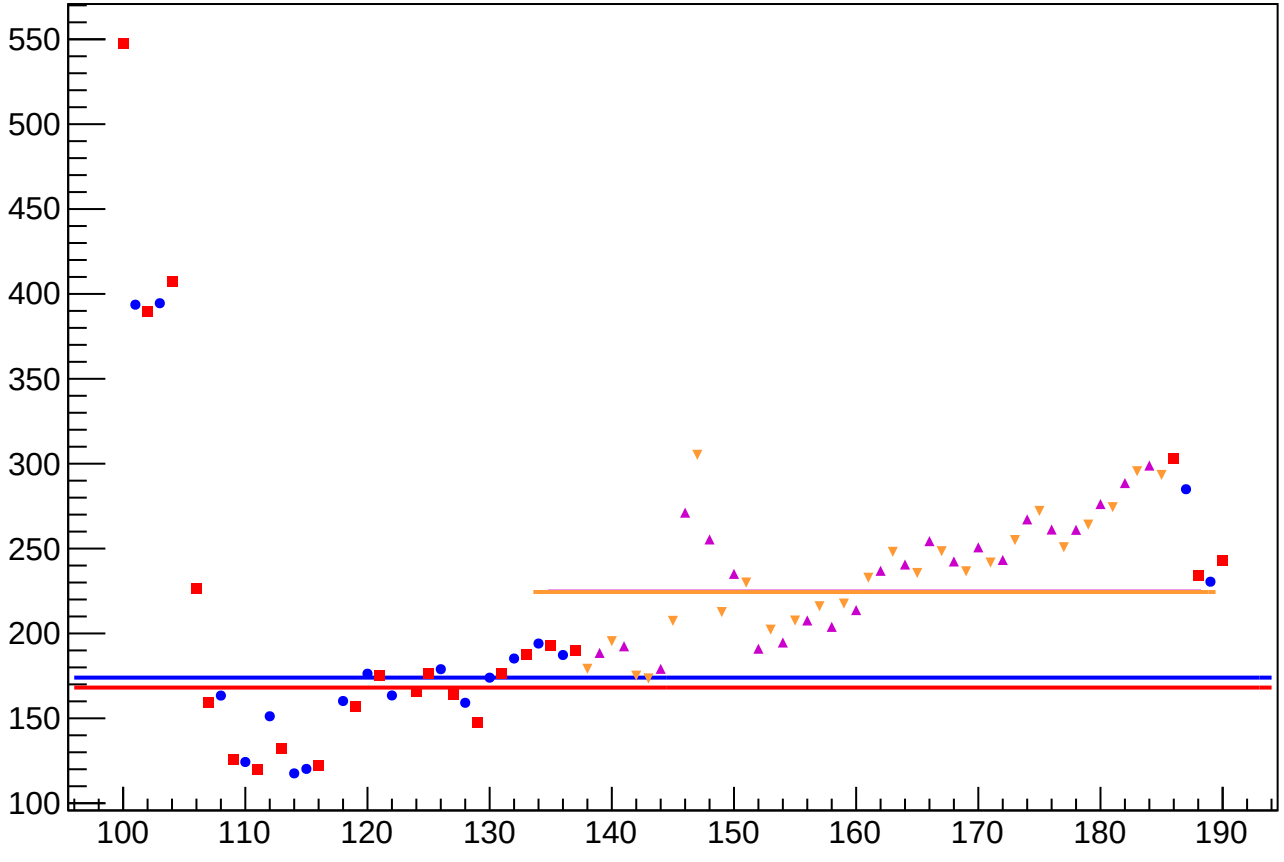
Right: 146006.729+/-0.044 χ^2/NDF: 235047675.2/3

In: 146058.351+/-0.041 χ^2/NDF:797033583.1/40

Out: 146007.794+/-0.039 χ^2/NDF:1019259857.4/4

All: 146031.597+/-0.028 χ^2/NDF: 18170792

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.046 χ^2/NDF: 1183308.3/17

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 168.122+/-0.042 χ^2/NDF: 1702024.2/21

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

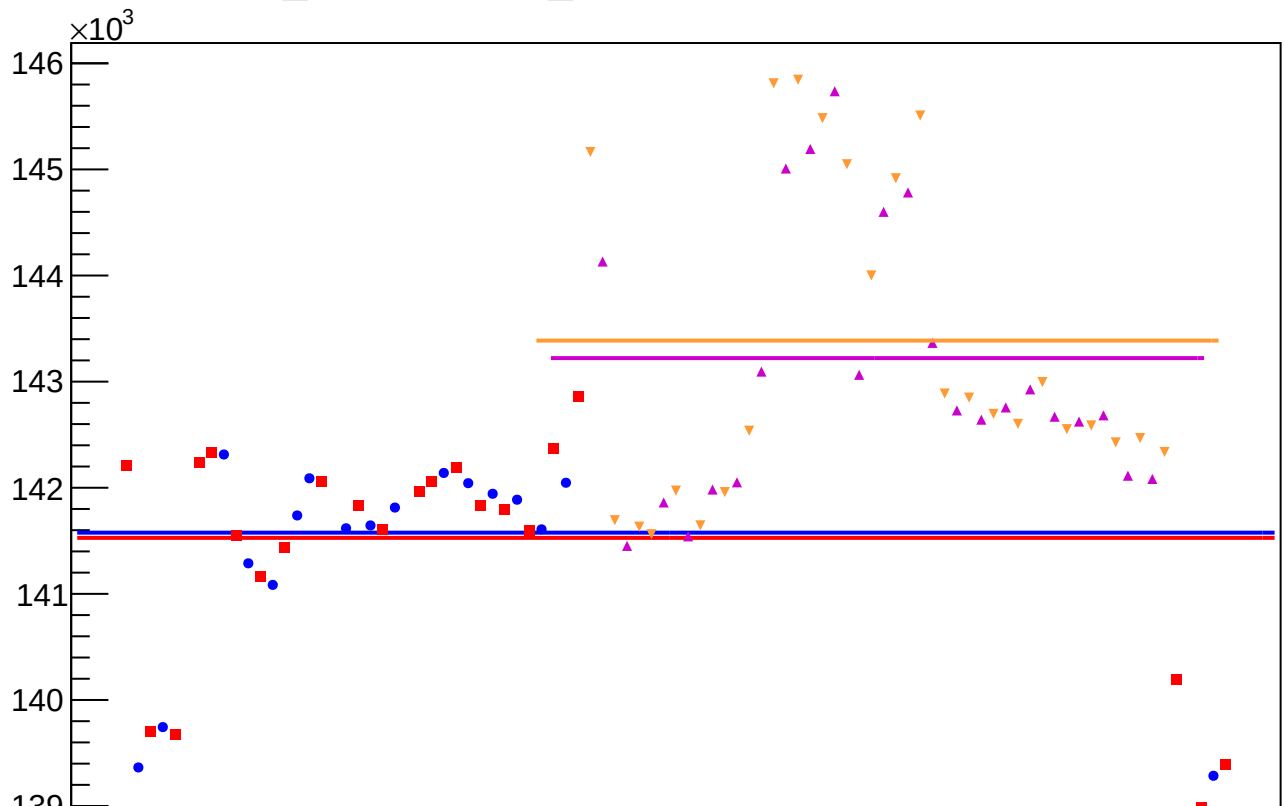
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 170.763+/-0.031 χ^2/NDF: 2894103.5/39

In: 204.383+/-0.029 χ^2/NDF:2656403.1/40

Out: 199.986+/-0.028 χ^2/NDF:3567562.6/46

All: 202.056+/-0.020 χ^2/NDF: 6235857.6/87



Right In: 141576.821+/-0.067 χ^2/NDF: 120684245.2/17

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141527.720+/-0.061 χ^2/NDF: 172515085.2/21

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

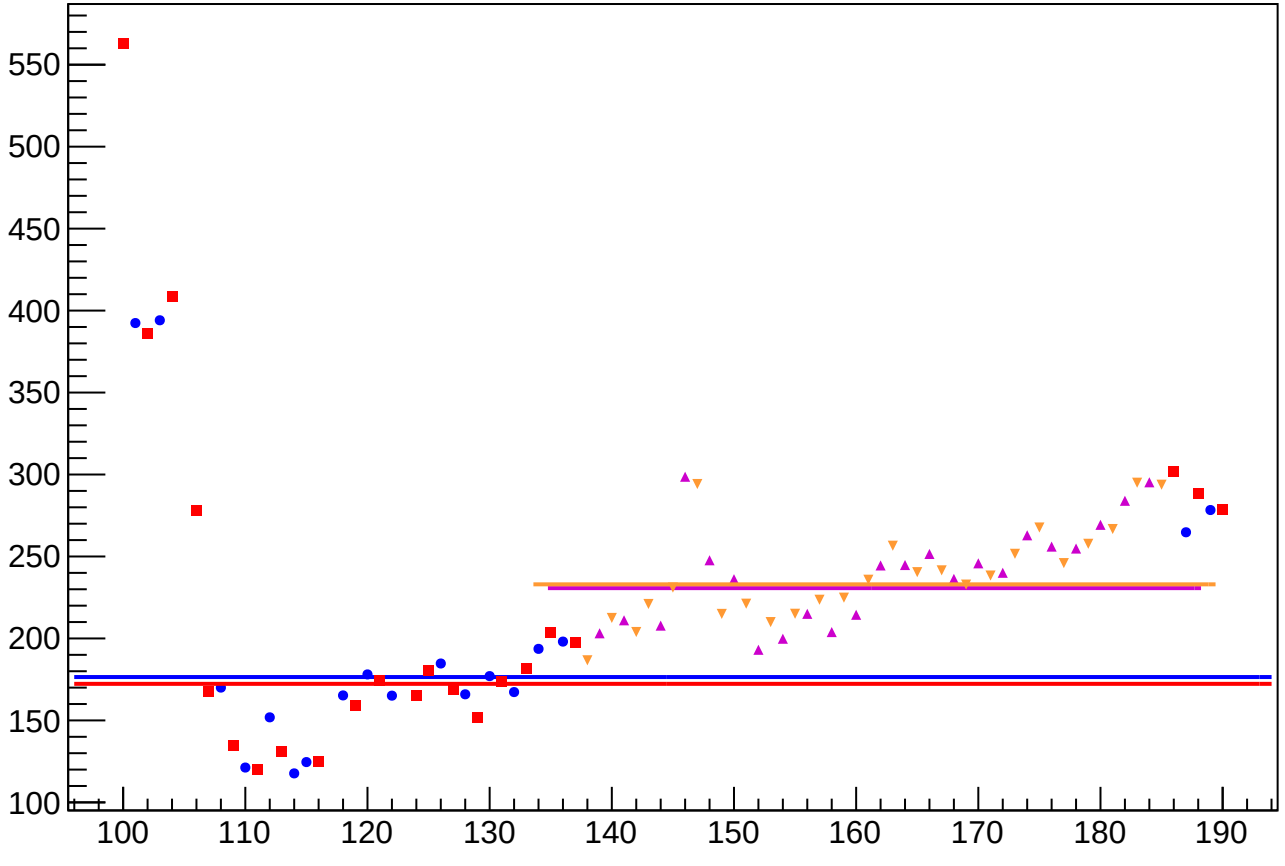
Right: 141550.185+/-0.045 χ^2/NDF: 293492279.7/3

In: 142559.840+/-0.042 χ^2/NDF:1023131292.9/40

Out: 142580.848+/-0.040 χ^2/NDF:1476520499.3/4

All: 142570.846+/-0.029 χ^2/NDF: 24997804

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 176.456+/-0.047 χ^2/NDF: 1259099.4/17

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 172.305+/-0.043 χ^2/NDF: 1896364.2/21

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

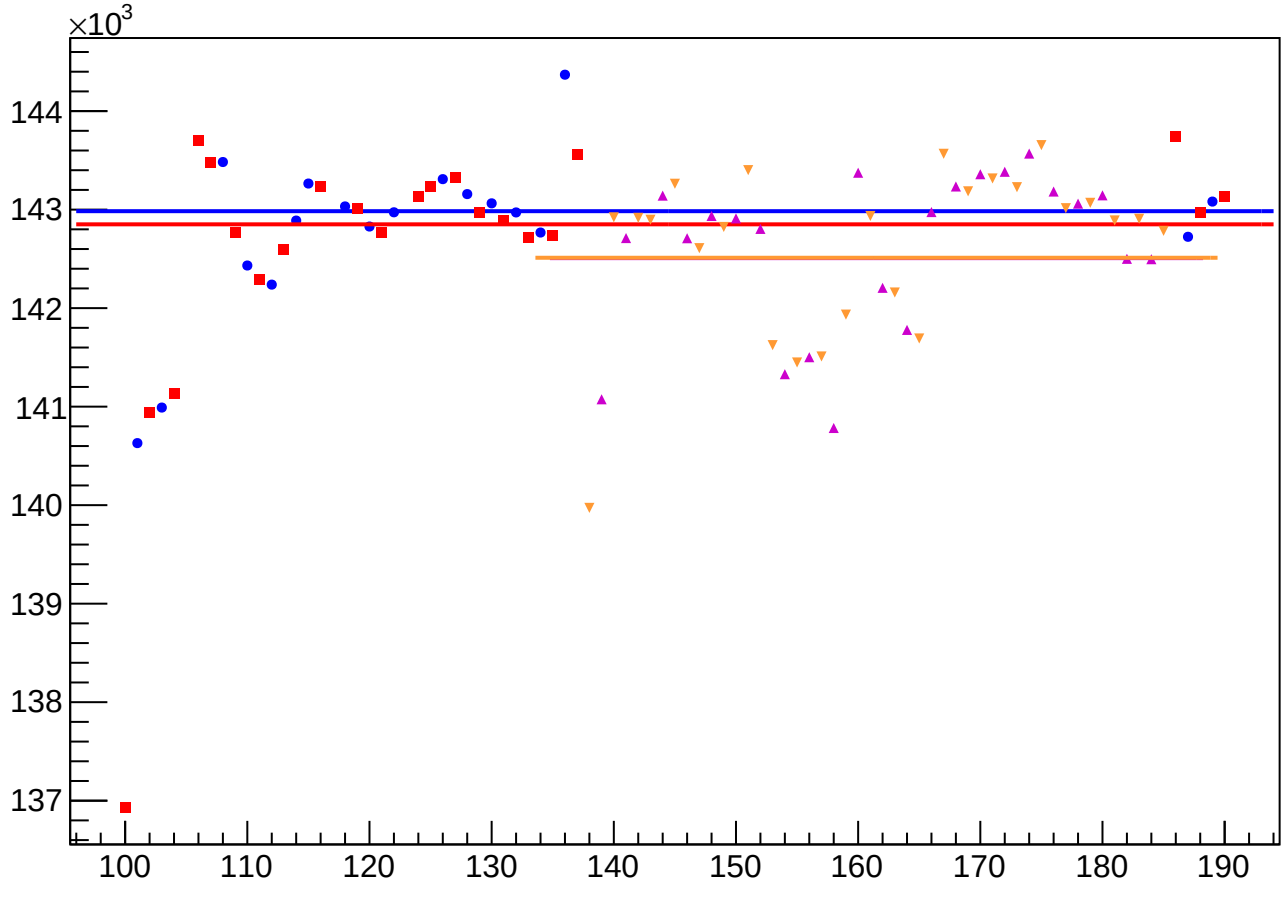
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 174.204+/-0.032 χ^2/NDF: 3159651.3/39

In: 208.867+/-0.030 χ^2/NDF:2558626.0/40

Out: 206.689+/-0.029 χ^2/NDF:3451119.7/46

All: 207.726+/-0.021 χ^2/NDF: 6012512.8/87



Right In: 142984.209+/-0.067 χ^2/NDF: 107922767.6/17

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142850.672+/-0.061 χ^2/NDF: 67623961.5/21

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

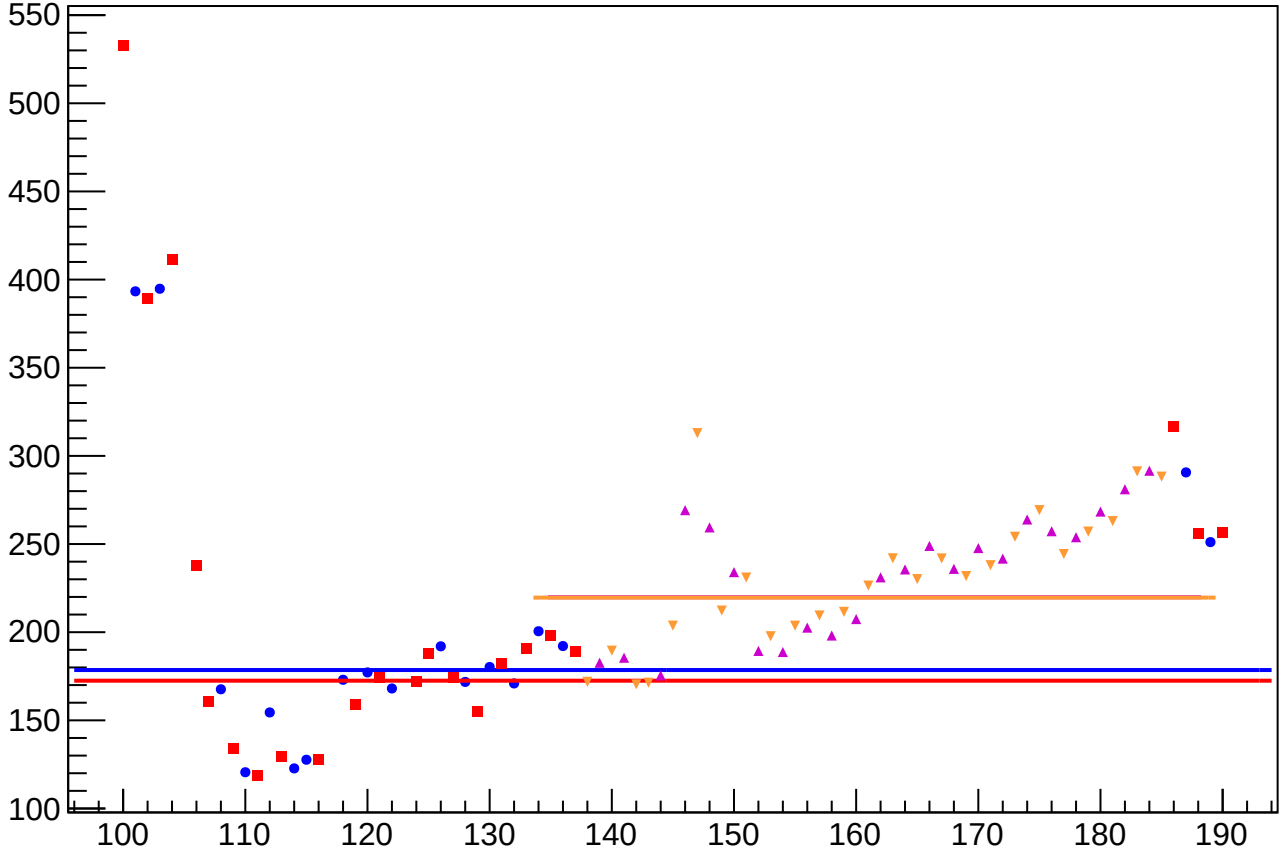
Right: 142910.947+/-0.045 χ^2/NDF: 177698207.4/3

In: 142687.021+/-0.041 χ^2/NDF:408346604.1/40

Out: 142650.207+/-0.039 χ^2/NDF:423891842.4/46

All: 142667.585+/-0.028 χ^2/NDF: 83265638

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 178.532+/-0.048 χ^2/NDF: 1198825.1/17

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 172.489+/-0.043 χ^2/NDF: 1762482.4/21

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

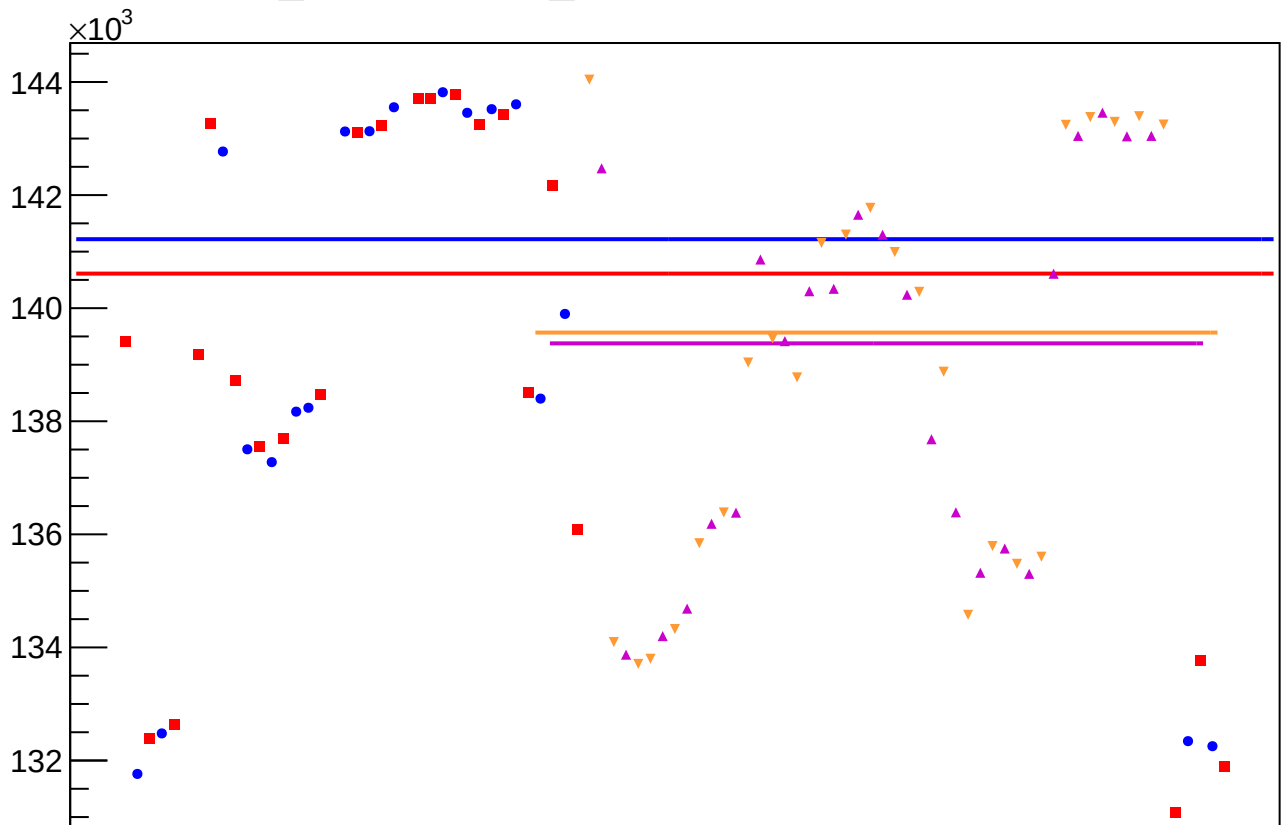
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 175.217+/-0.032 χ^2/NDF: 2970121.5/39

In: 204.271+/-0.029 χ^2/NDF:2471651.2/40

Out: 200.334+/-0.028 χ^2/NDF:3366089.1/46

All: 202.193+/-0.020 χ^2/NDF: 5847298.5/87



Right In: 141219.943+/-0.099 χ^2/NDF: 1238880170.2/17

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140611.472+/-0.097 χ^2/NDF: 1575322439.3/21

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

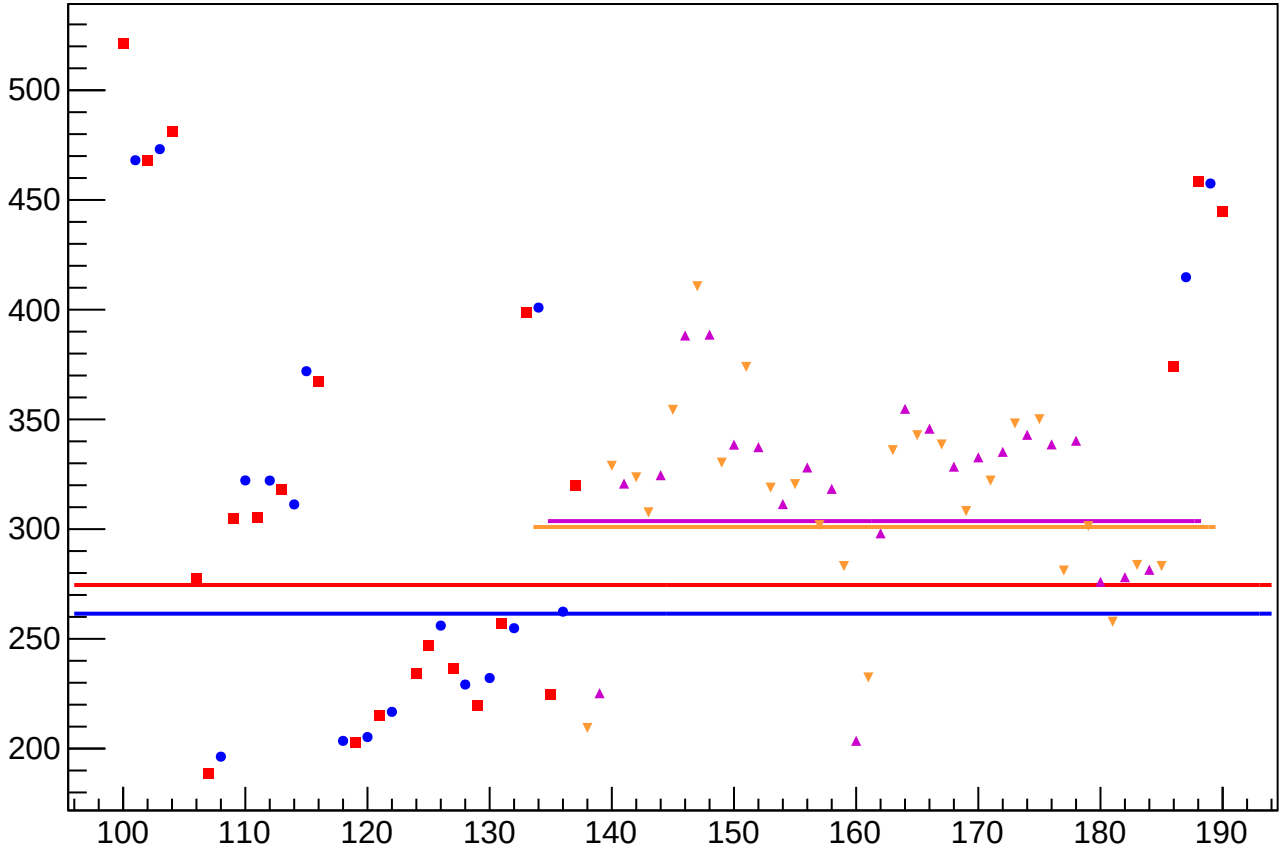
Right: 140908.444+/-0.069 χ^2/NDF: 2833519383.8/

In: 140025.459+/-0.059 χ^2/NDF:3384596713.9/40

Out: 139927.359+/-0.057 χ^2/NDF:4238217255.6/4

All: 139974.693+/-0.041 χ^2/NDF: 76242572

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 261.473+/-0.070 χ^2/NDF: 1197614.0/17

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 274.548+/-0.068 χ^2/NDF: 1487977.6/21

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

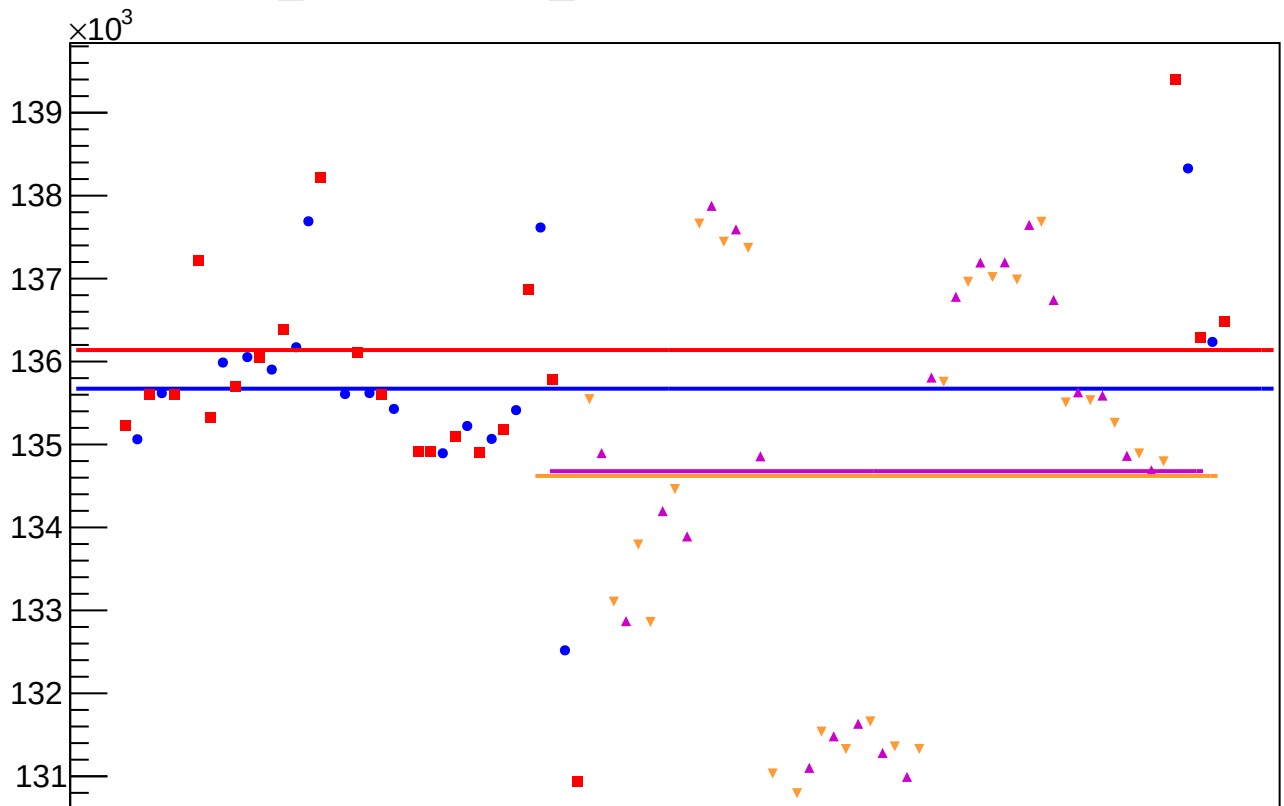
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 268.167+/-0.049 χ^2/NDF: 2703430.4/39

In: 288.824+/-0.042 χ^2/NDF:2409043.6/40

Out: 291.879+/-0.040 χ^2/NDF:2462748.1/46

All: 290.405+/-0.029 χ^2/NDF: 4874592.1/87



Right In: 135672.898+/-0.112 χ^2/NDF: 108294010.8/17

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136138.560+/-0.096 χ^2/NDF: 138722342.6/21

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

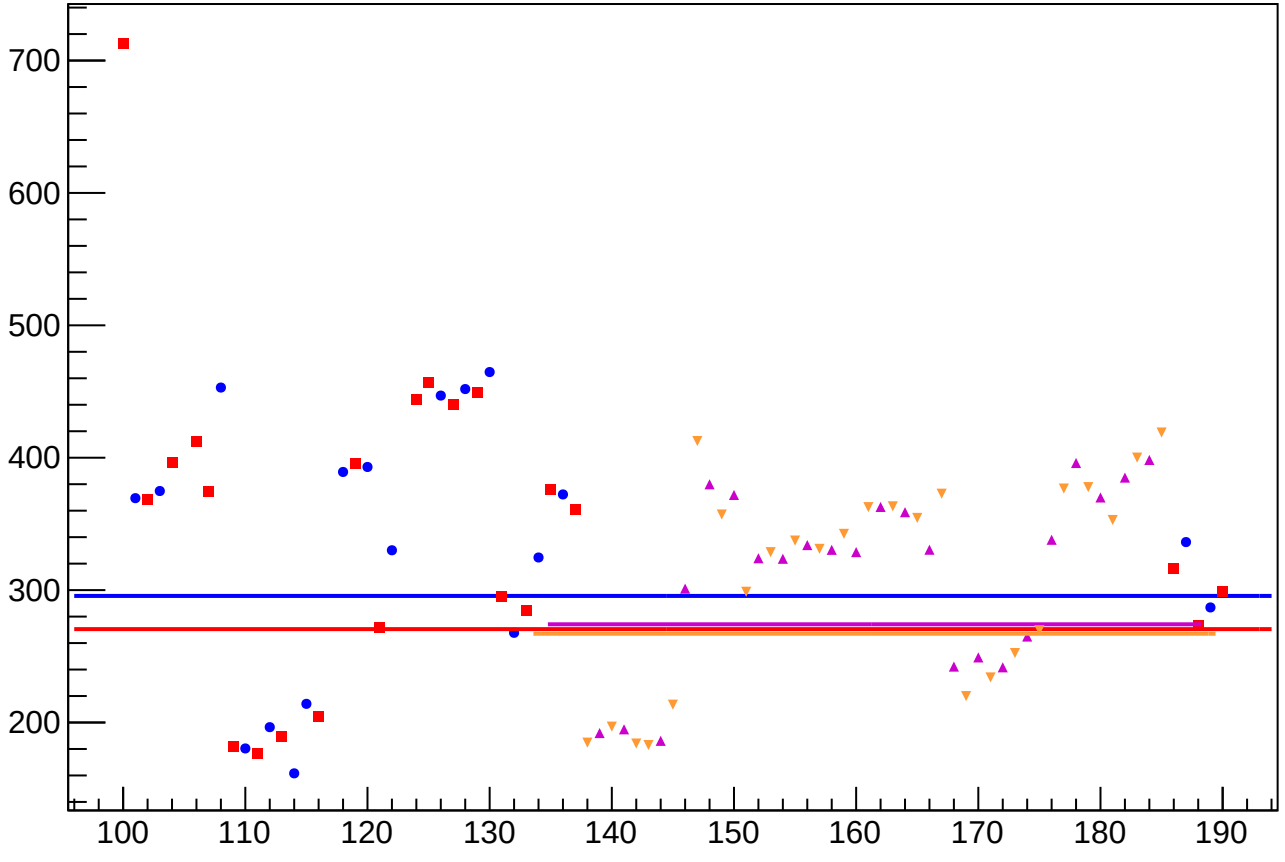
Right: 135942.078+/-0.073 χ^2/NDF: 256967565.4/3

In: 134939.174+/-0.057 χ^2/NDF:1262513430.0/40

Out: 135086.020+/-0.053 χ^2/NDF:1513942555.3/4

All: 135018.411+/-0.039 χ^2/NDF: 27799798

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.608+/-0.079 χ^2/NDF: 1448772.3/17

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 270.534+/-0.068 χ^2/NDF: 1703644.9/21

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

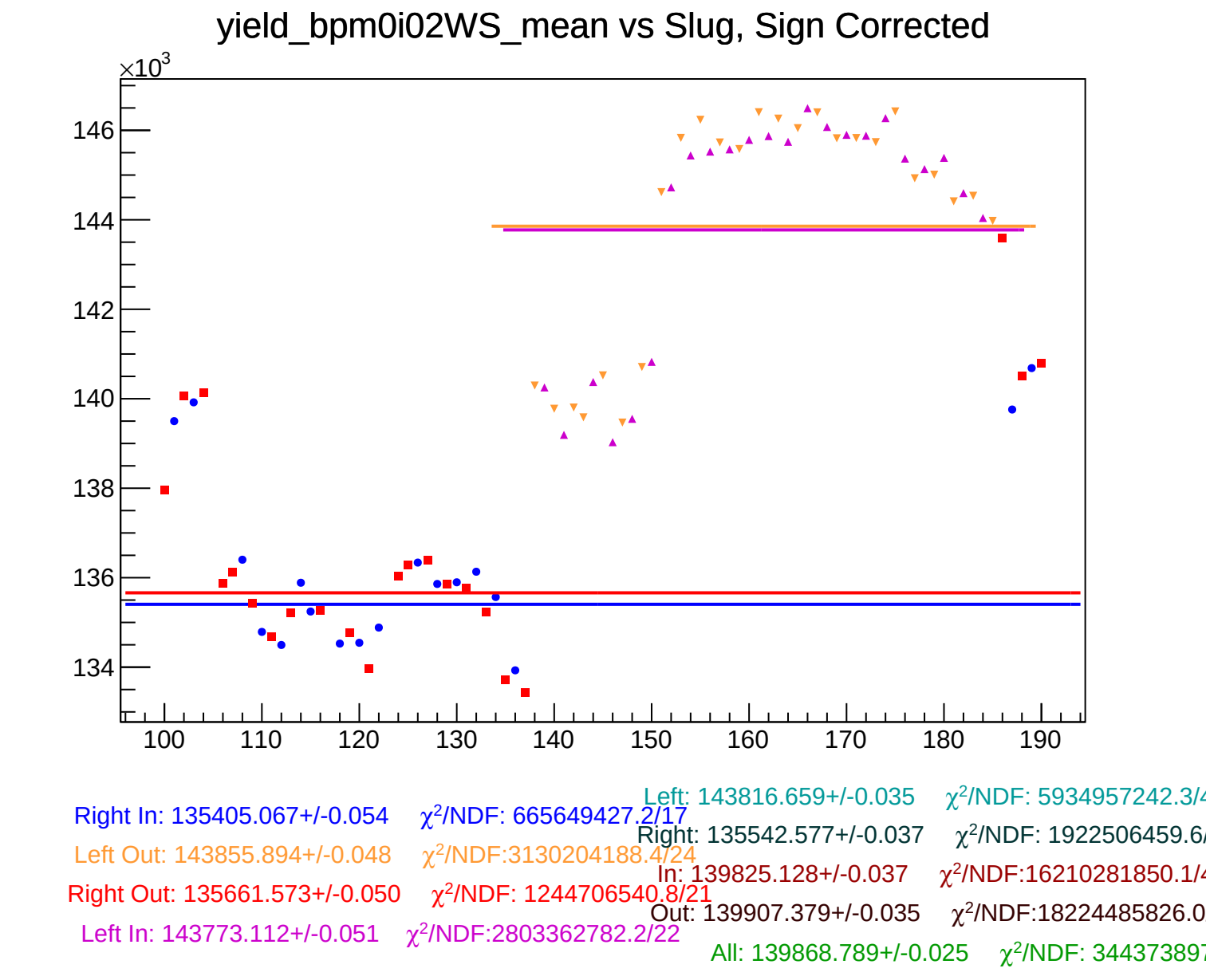
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 281.114+/-0.052 χ^2/NDF: 3210118.8/39

In: 279.795+/-0.041 χ^2/NDF:3739333.7/40

Out: 268.120+/-0.038 χ^2/NDF:4548780.2/46

All: 273.495+/-0.028 χ^2/NDF: 8332662.7/87


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
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150
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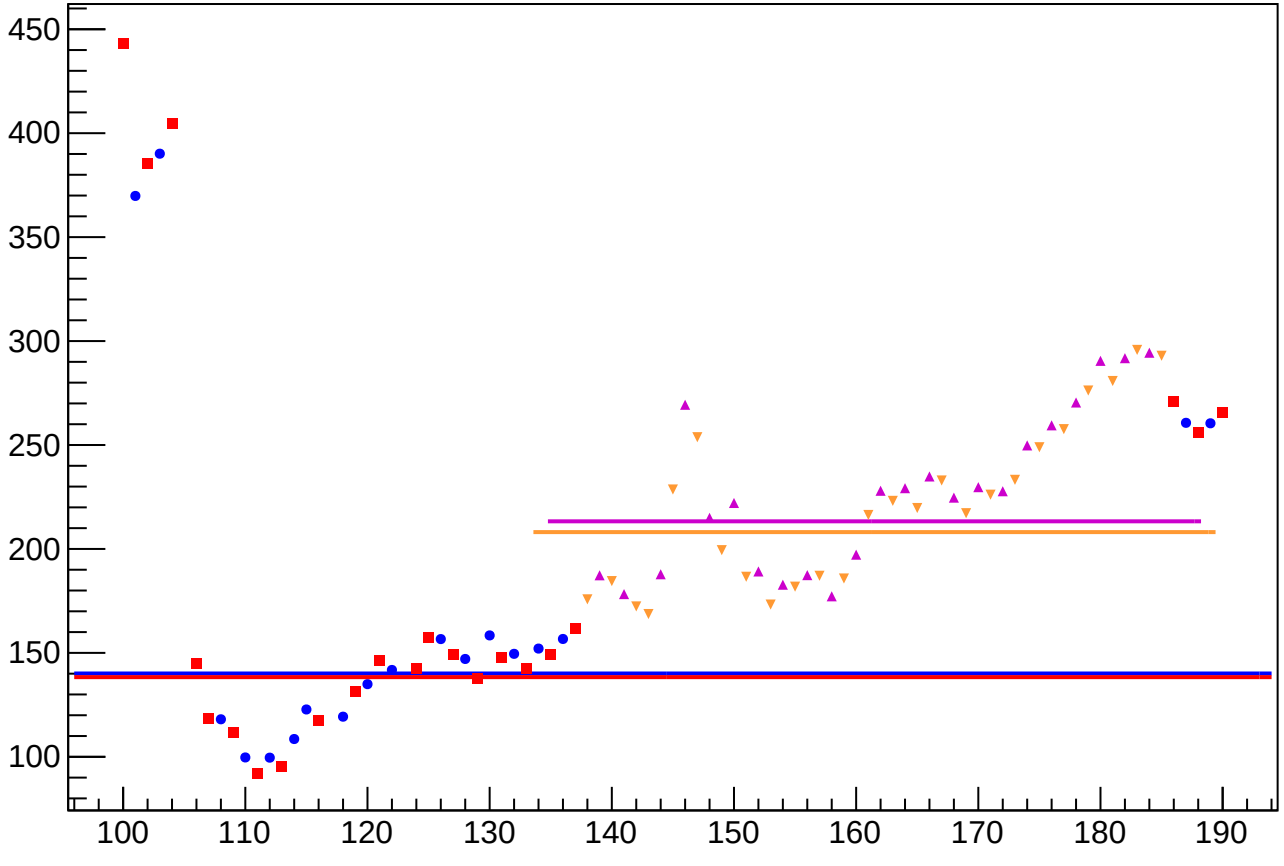
190
Right In: 135405.067+/-0.054 χ²/NDF: 665649427.2/17
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 135661.573+/-0.050 χ²/NDF: 1244706540.8/21
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 135542.577+/-0.037 χ²/NDF: 1922506459.6/
In: 139825.128+/-0.037 χ²/NDF:16210281850.1/4
Out: 139907.379+/-0.035 χ²/NDF:18224485826.0
All: 139868.789+/-0.025 χ²/NDF: 34437897

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 140.082+/-0.038 χ^2/NDF: 1699053.8/17

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 138.327+/-0.035 χ^2/NDF: 2317646.8/21

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

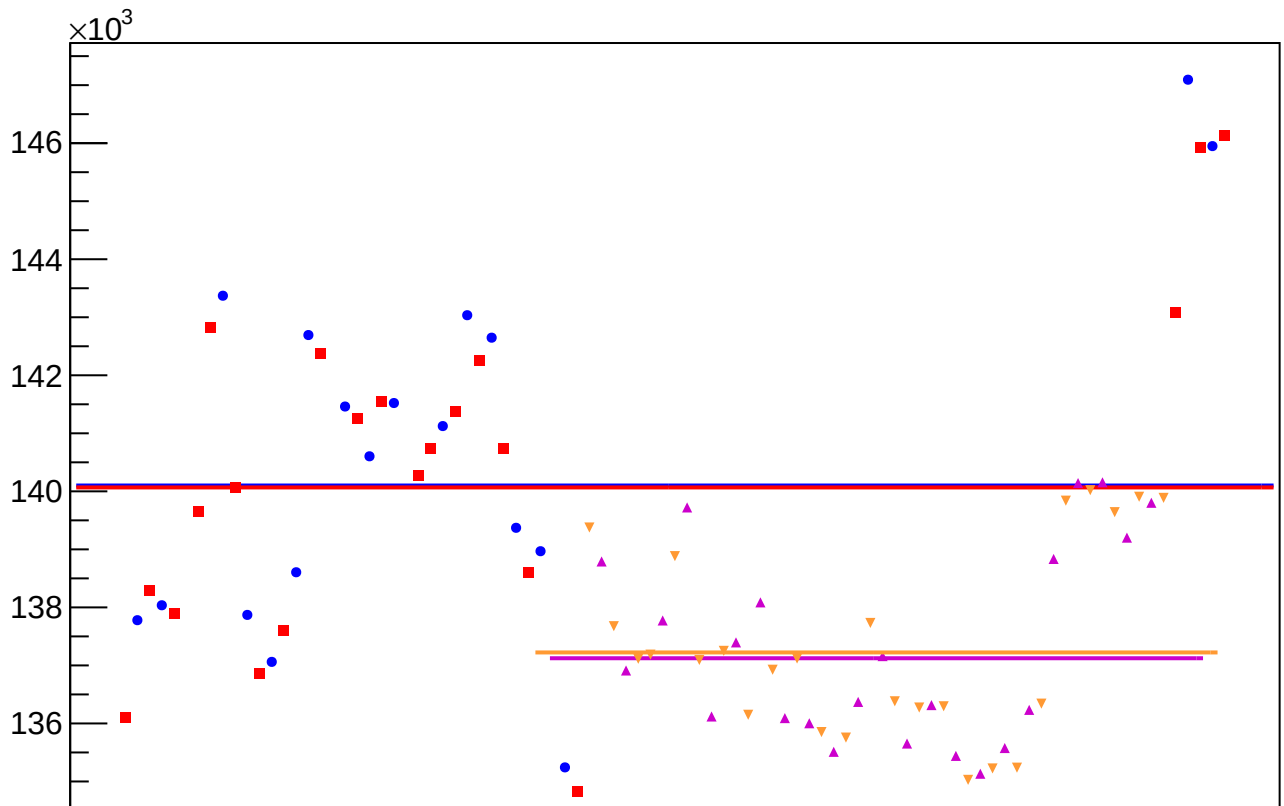
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 139.141+/-0.026 χ^2/NDF: 4017837.8/39

In: 178.750+/-0.026 χ^2/NDF:4514819.0/40

Out: 174.479+/-0.025 χ^2/NDF:5318917.5/46

All: 176.483+/-0.018 χ^2/NDF: 9847872.5/87



Right In: 140100.355+/-0.061 χ^2/NDF: 2122353526.6/17

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140067.257+/-0.057 χ^2/NDF: 2300925505.8/21

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

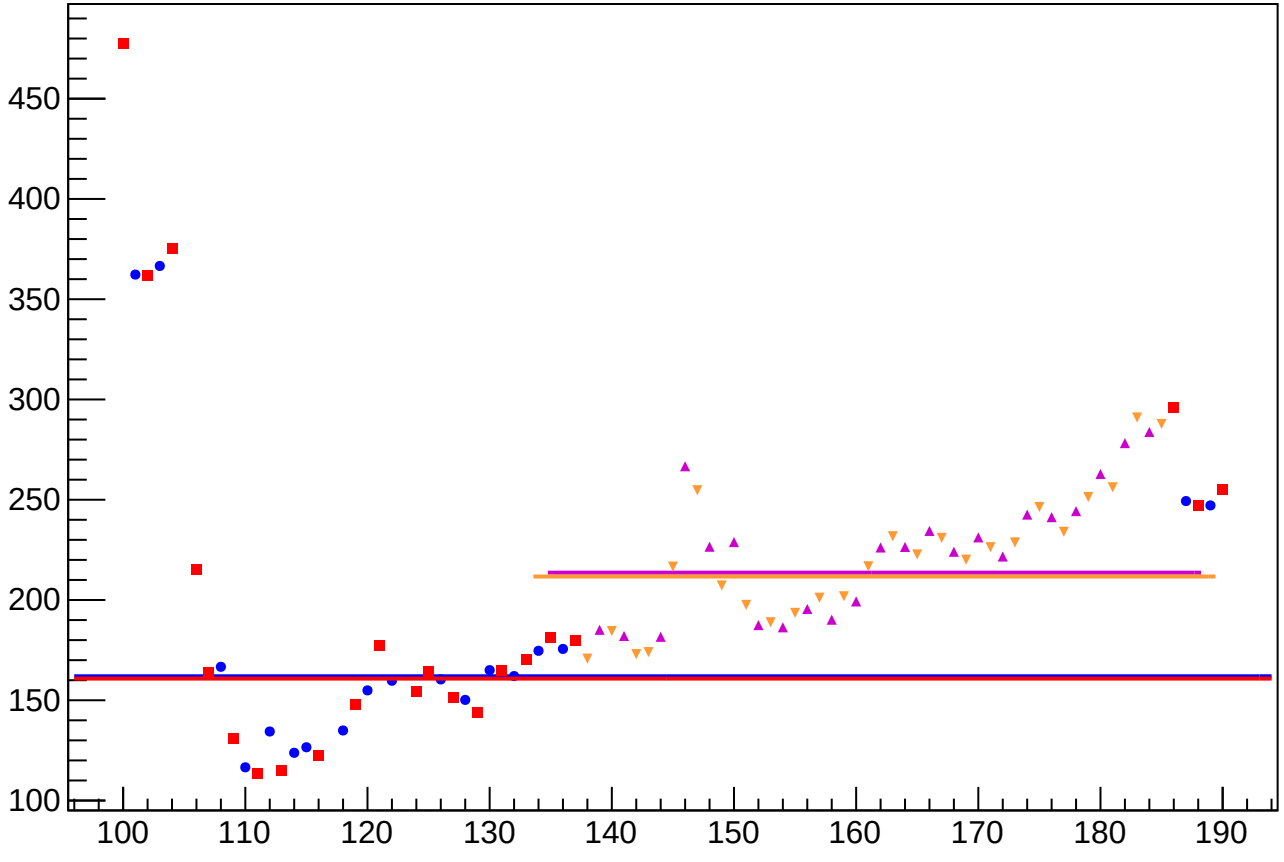
Right: 140082.691+/-0.042 χ^2/NDF: 4423435019.8/

In: 138340.439+/-0.039 χ^2/NDF:4380781899.0/40

Out: 138427.872+/-0.037 χ^2/NDF:4618966868.1/4

All: 138386.331+/-0.027 χ^2/NDF: 900236765

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 161.963+/-0.043 χ^2/NDF: 1195707.9/17

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 160.810+/-0.040 χ^2/NDF: 1760465.9/21

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

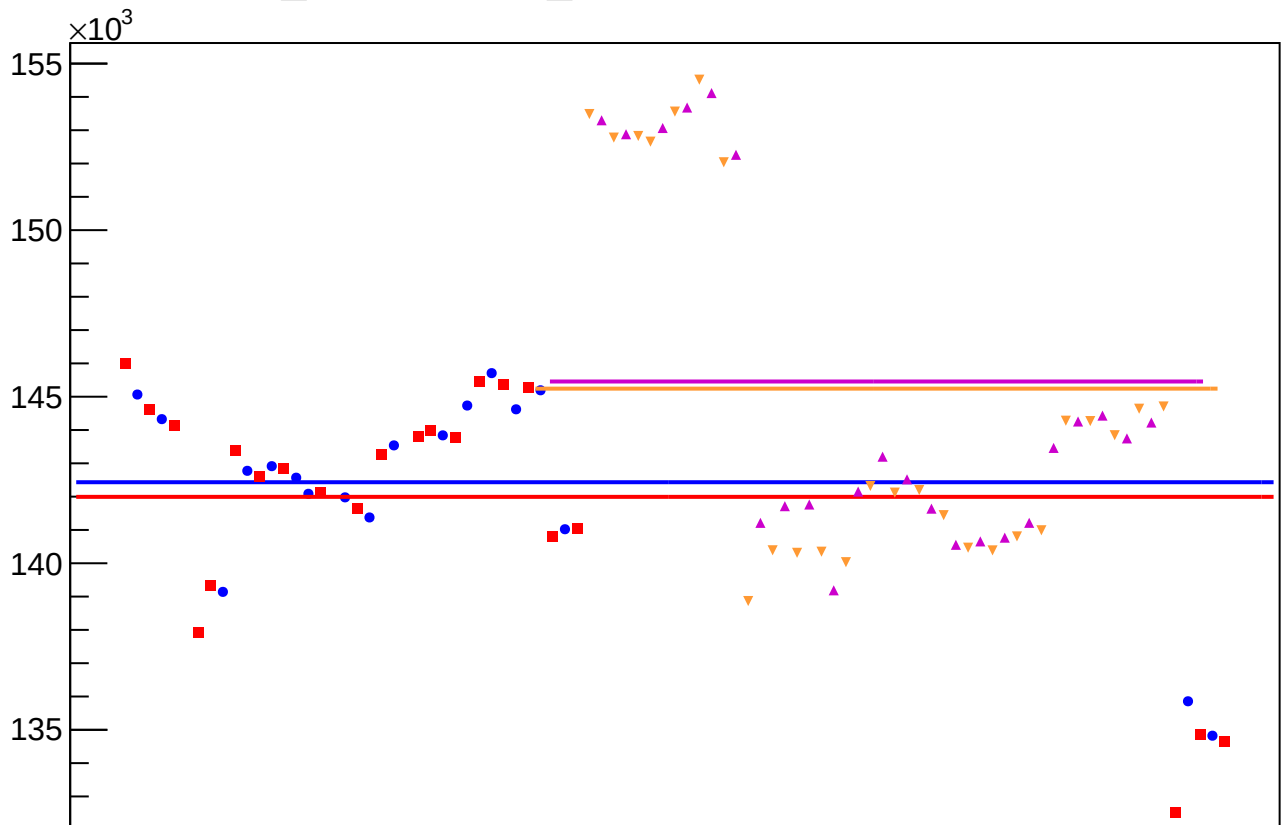
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 161.348+/-0.030 χ^2/NDF: 2956552.7/39

In: 192.516+/-0.028 χ^2/NDF:2659548.3/40

Out: 190.157+/-0.026 χ^2/NDF:3348364.0/46

All: 191.277+/-0.019 χ^2/NDF: 6011724.4/87



Right In: 142432.841+/-0.064 χ^2/NDF: 1600310828.2/17

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141993.601+/-0.058 χ^2/NDF: 2944948925.5/21

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

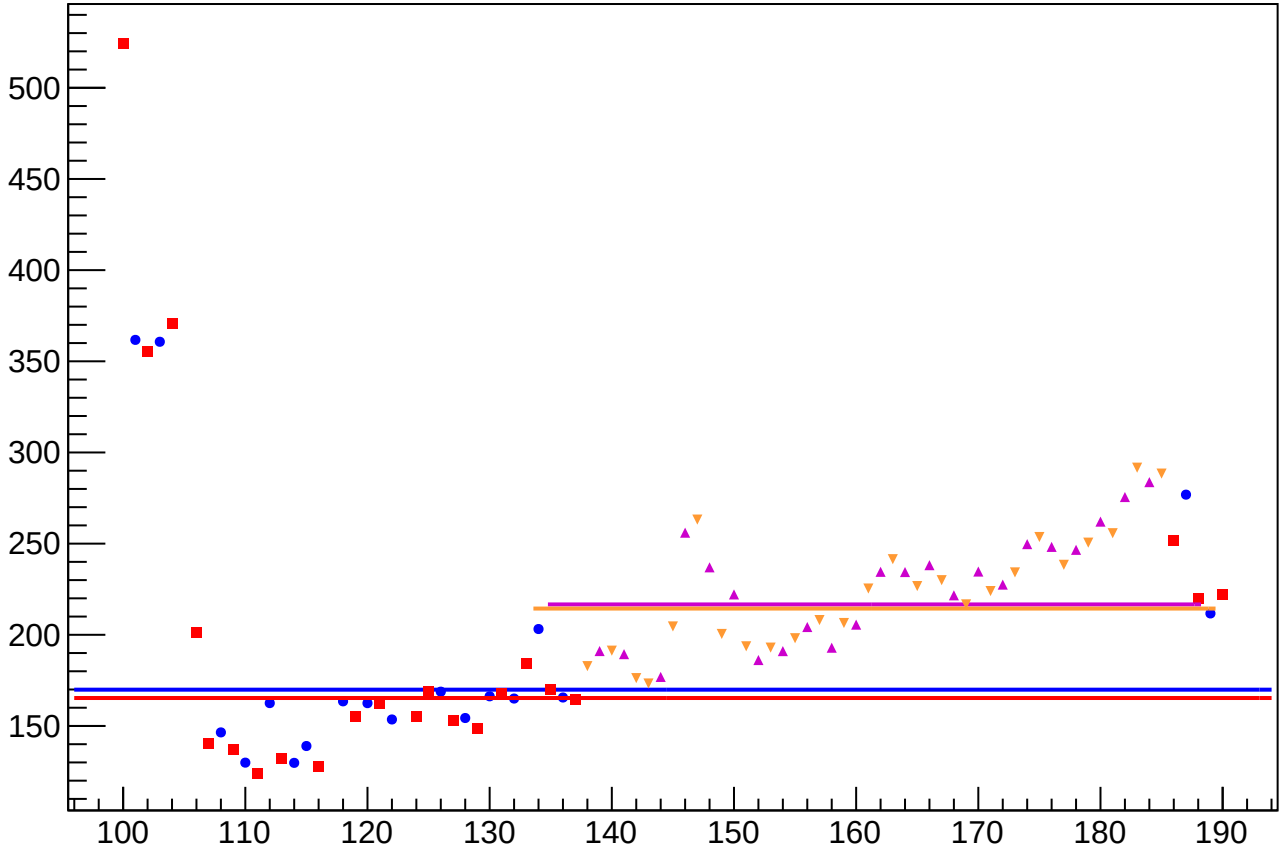
Right: 142192.754+/-0.043 χ^2/NDF: 4571203267.4/

In: 144260.502+/-0.040 χ^2/NDF:14032944757.8/4

Out: 143871.215+/-0.038 χ^2/NDF:17787032181.0

All: 144053.982+/-0.027 χ^2/NDF: 31869974

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 169.906+/-0.045 χ^2/NDF: 965275.8/17

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 165.331+/-0.041 χ^2/NDF: 1305269.7/21

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

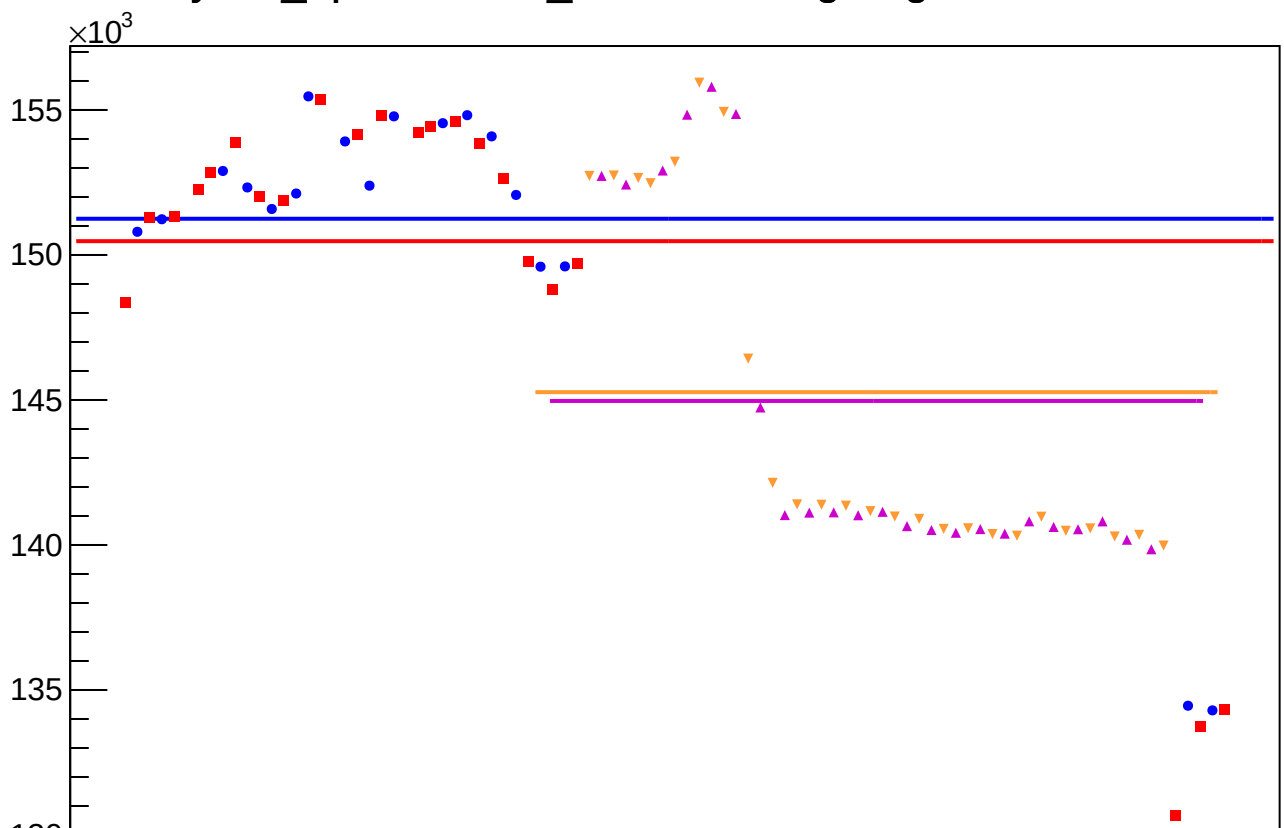
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 167.406+/-0.030 χ^2/NDF: 2276175.0/39

In: 198.161+/-0.028 χ^2/NDF:2202343.0/40

Out: 193.686+/-0.027 χ^2/NDF:2773774.6/46

All: 195.787+/-0.019 χ^2/NDF: 4989335.9/87



Right In: 151249.437+/-0.070 χ^2/NDF: 5137757260.5/17

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150476.581+/-0.062 χ^2/NDF: 11119924987.5/21

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

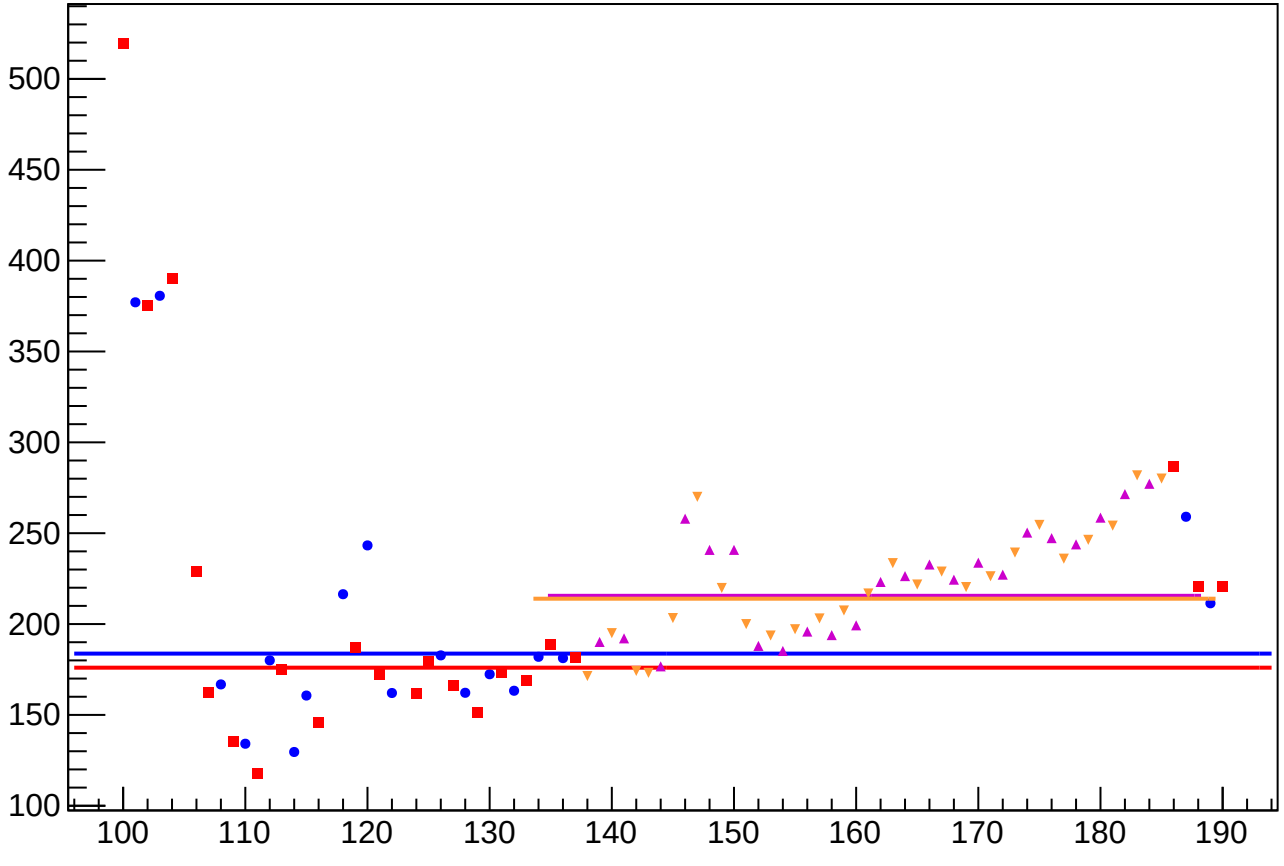
Right: 150819.398+/-0.047 χ^2/NDF: 16325545234.4

In: 147157.189+/-0.041 χ^2/NDF:23542297329.4/4

Out: 147271.952+/-0.039 χ^2/NDF:29099994827.0

All: 147218.262+/-0.028 χ^2/NDF: 52646396

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 183.738+/-0.049 χ^2/NDF: 959467.7/17

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 175.994+/-0.044 χ^2/NDF: 1342463.0/21

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

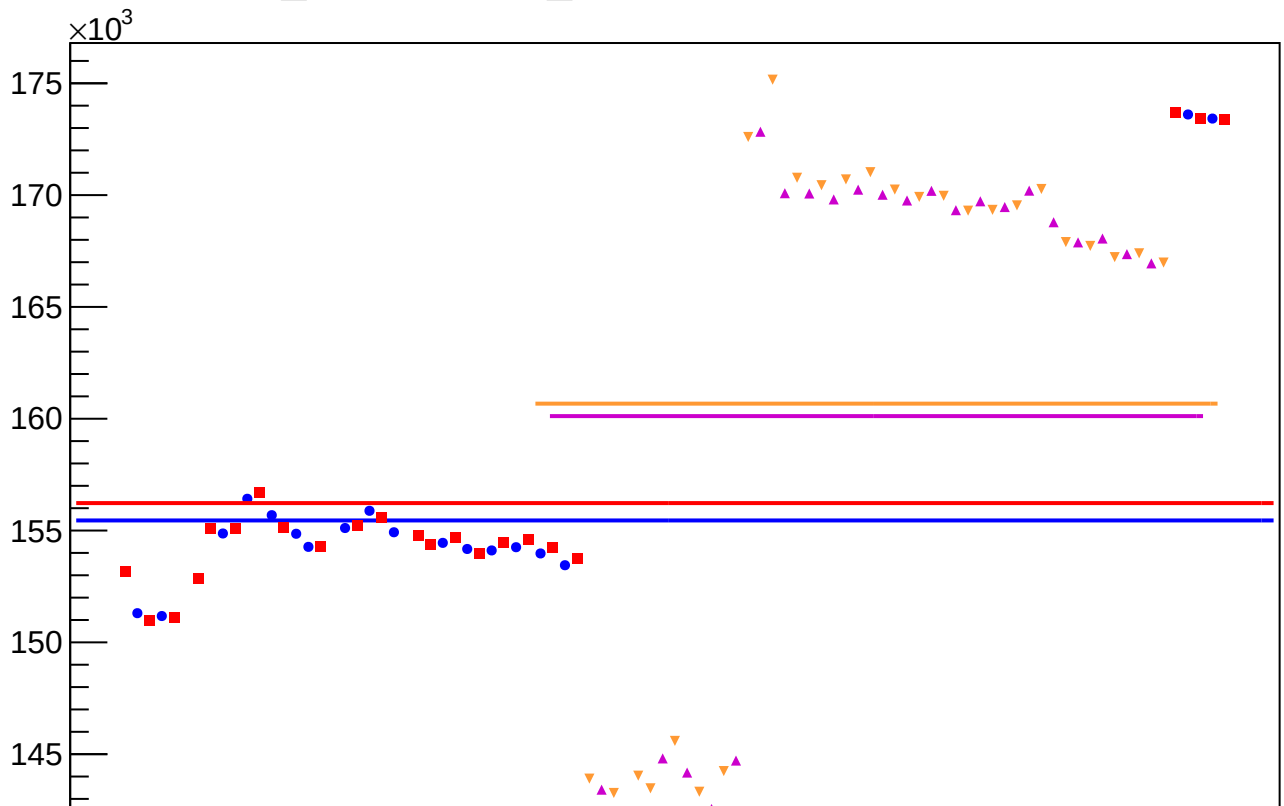
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 179.429+/-0.033 χ^2/NDF: 2315559.3/39

In: 204.450+/-0.029 χ^2/NDF:1829017.4/40

Out: 199.356+/-0.027 χ^2/NDF:2447331.6/46

All: 201.739+/-0.020 χ^2/NDF: 4292525.8/87



Right In: 155451.624+/-0.064 χ^2/NDF: 3441917535.8/17

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 156227.862+/-0.059 χ^2/NDF: 7477303137.8/21

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

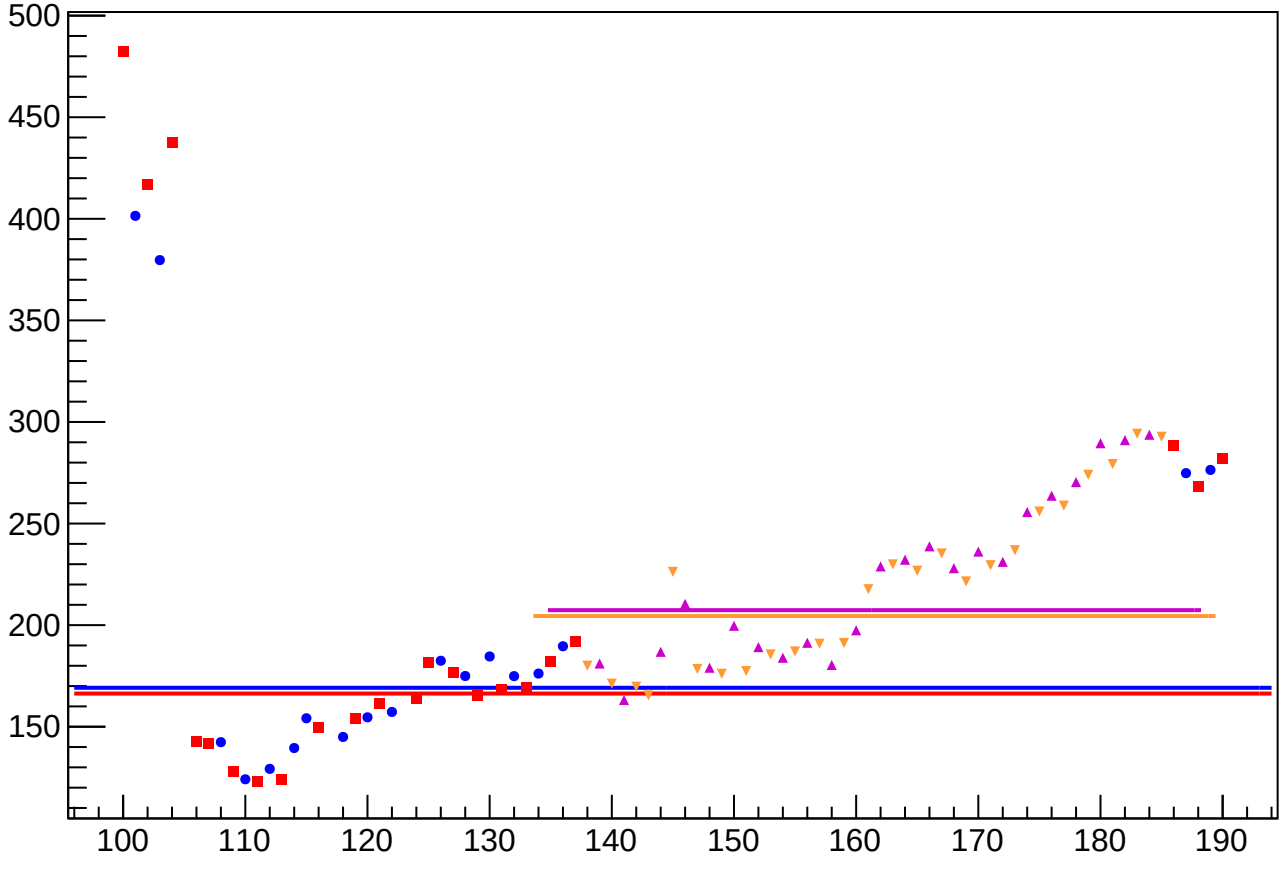
Right: 155872.954+/-0.043 χ^2/NDF: 10999234798.

In: 158373.267+/-0.039 χ^2/NDF:73330181883.9/

Out: 158919.217+/-0.037 χ^2/NDF:85108514912.3

All: 158662.192+/-0.027 χ^2/NDF: 15854193

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 169.165+/-0.045 χ^2/NDF: 1295349.3/17

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 166.320+/-0.041 χ^2/NDF: 1829645.3/21

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

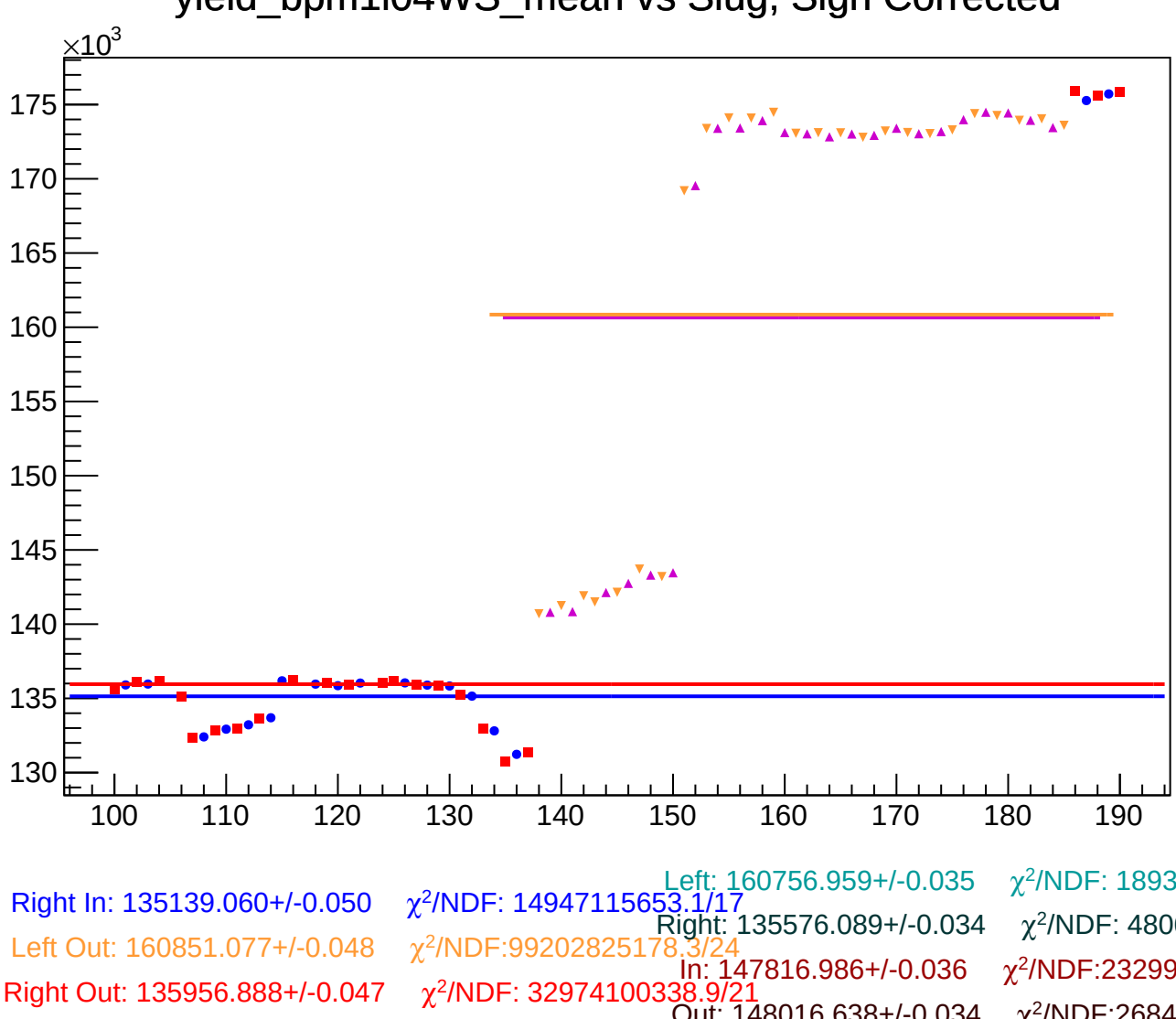
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 167.621+/-0.031 χ^2/NDF: 3127144.8/39

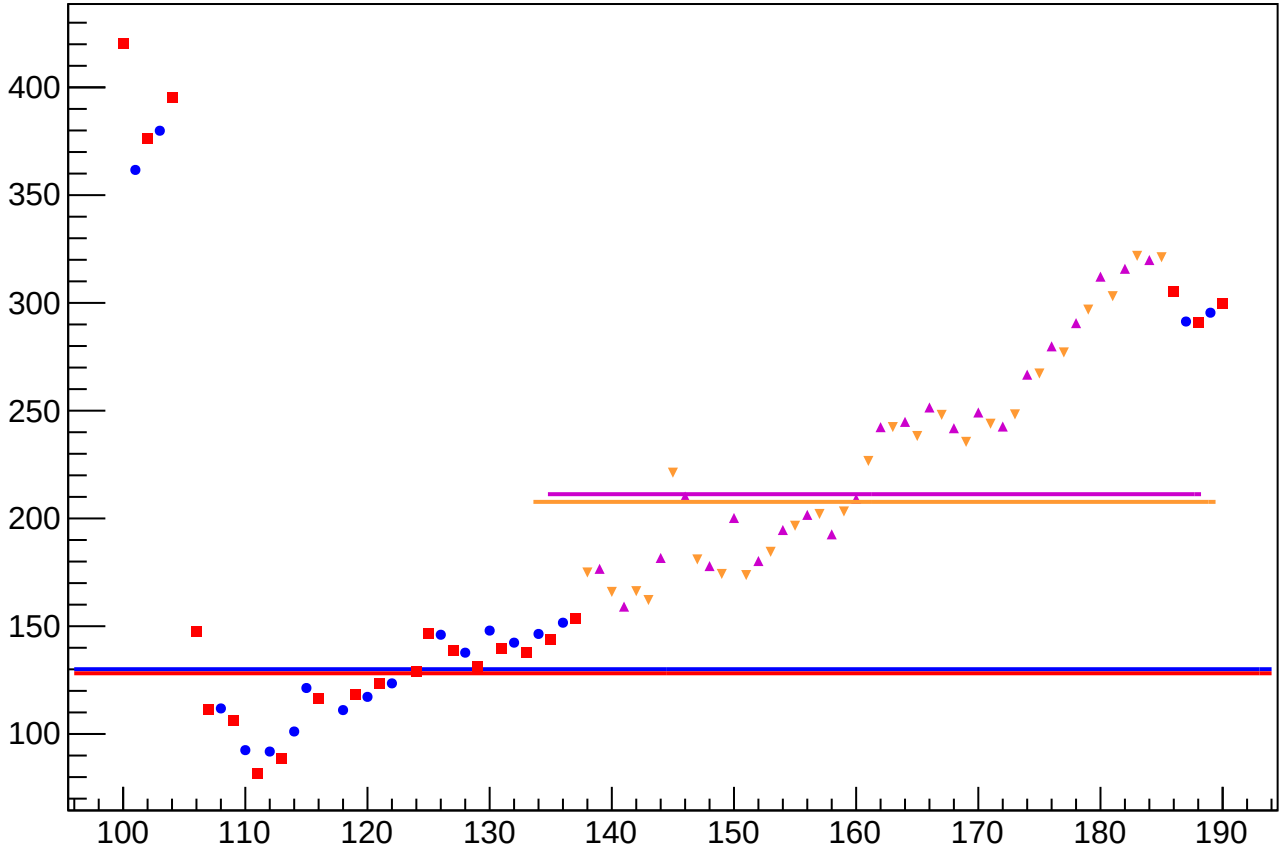
In: 193.087+/-0.028 χ^2/NDF:2699157.1/40

Out: 189.413+/-0.026 χ^2/NDF:3414669.0/46

All: 191.143+/-0.019 χ^2/NDF: 6123179.5/87


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
180
190
Right In: 135139.060+/-0.050 χ²/NDF: 14947115653.1/17
Left Out: 160851.077+/-0.048 χ²/NDF:99202825178.3/24
Right Out: 135956.888+/-0.047 χ²/NDF: 32974100338.9/21
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
Left: 160756.959+/-0.035 χ²/NDF: 189360447861.
Right: 135576.089+/-0.034 χ²/NDF: 48062527448.
In: 147816.986+/-0.036 χ²/NDF:232991260081.0
Out: 148016.638+/-0.034 χ²/NDF:268401670754.
All: 147922.461+/-0.025 χ²/NDF: 50140947

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 130.055+/-0.036 χ^2/NDF: 1932782.7/17

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 128.161+/-0.033 χ^2/NDF: 2766912.9/21

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

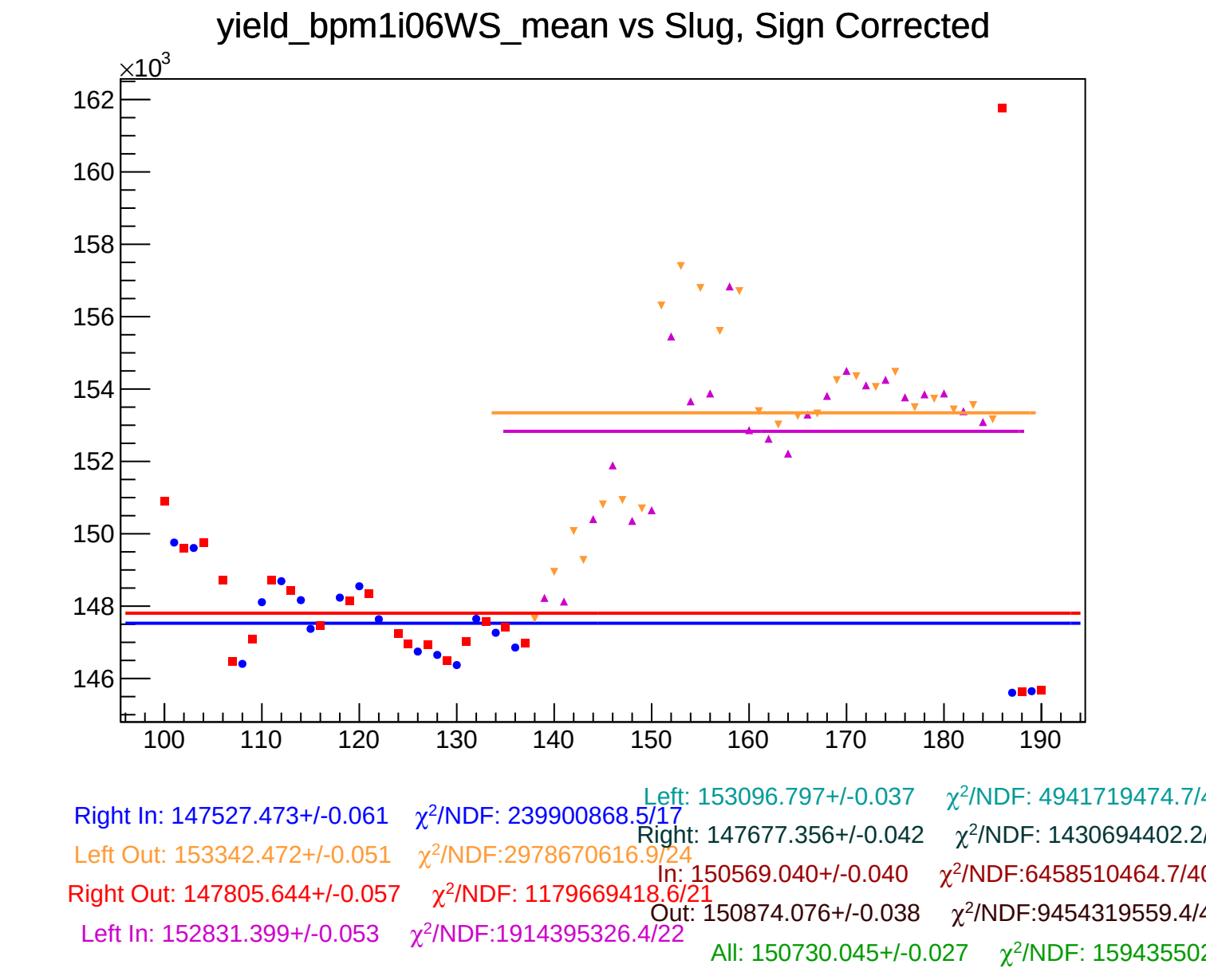
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 129.043+/-0.024 χ^2/NDF: 4701211.5/39

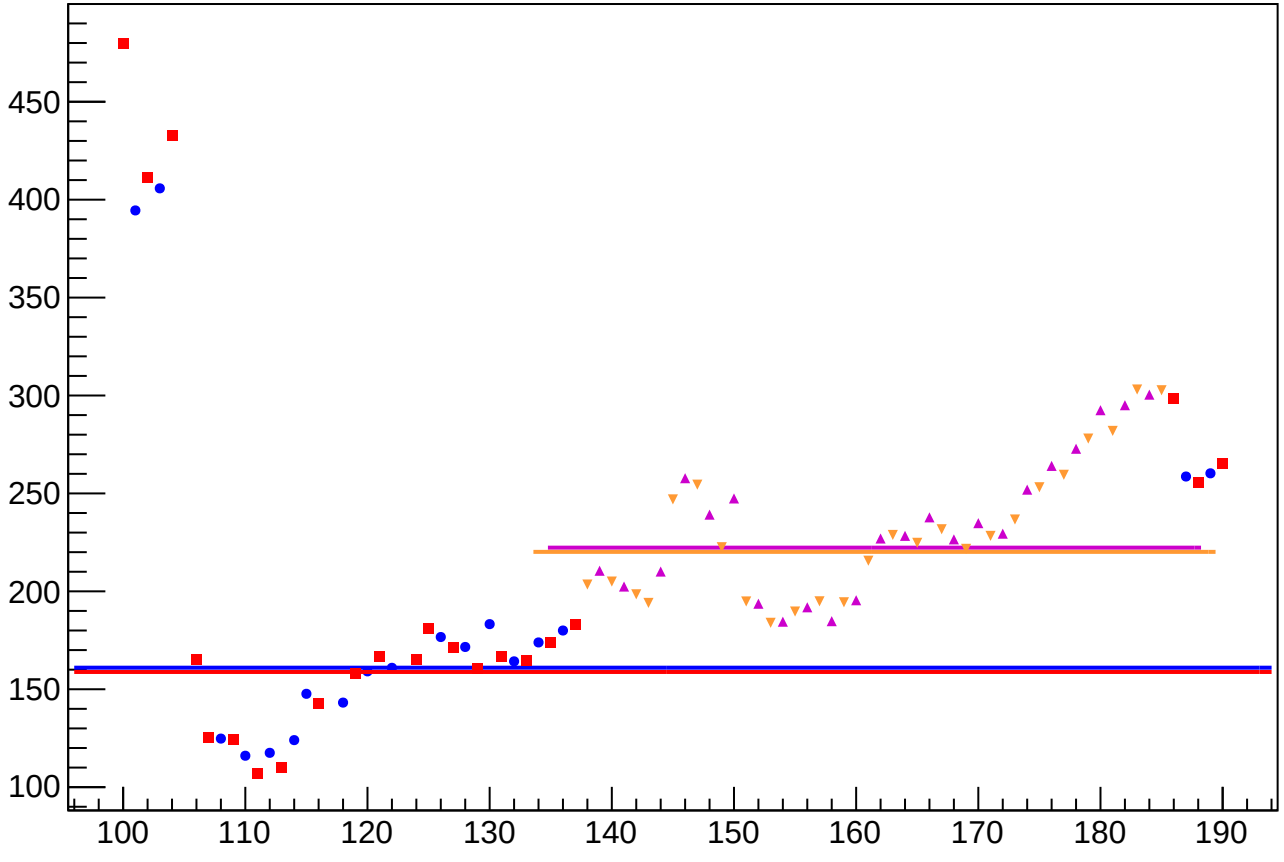
In: 170.401+/-0.025 χ^2/NDF:5829037.9/40

Out: 166.688+/-0.024 χ^2/NDF:7048151.9/46

All: 168.440+/-0.017 χ^2/NDF: 12888640.8/87


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
162
160
158
156
154
152
150
148
146
100
110
120
130
140
150
160
170
180
190
Right In: 147527.473+/-0.061 χ²/NDF: 239900868.5/17
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147805.644+/-0.057 χ²/NDF: 1179669418.6/21
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 147677.356+/-0.042 χ²/NDF: 1430694402.2/
In: 150569.040+/-0.040 χ²/NDF:6458510464.7/40
Out: 150874.076+/-0.038 χ²/NDF:9454319559.4/4
All: 150730.045+/-0.027 χ²/NDF: 15943550

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 161.014+/-0.043 χ^2/NDF: 1481272.3/17

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 158.827+/-0.040 χ^2/NDF: 2055652.5/21

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

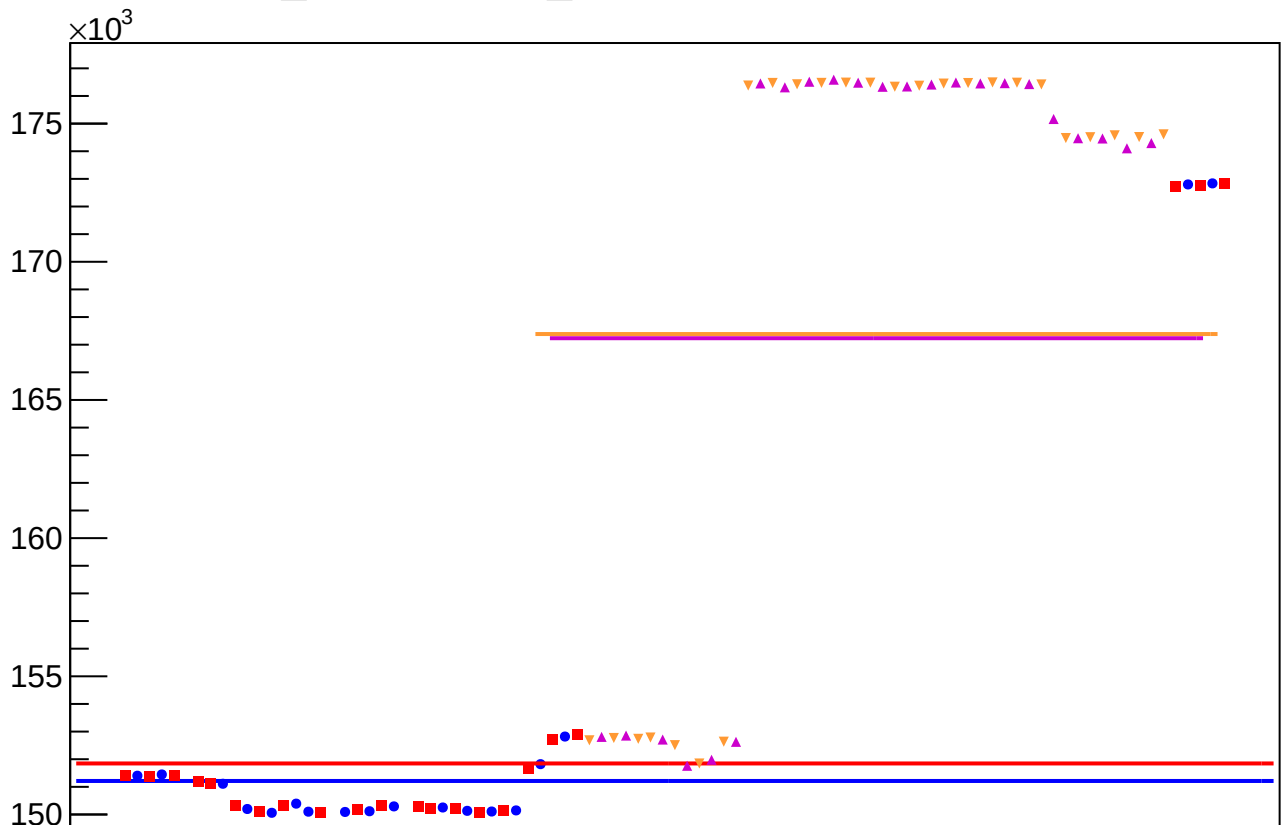
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 159.836+/-0.029 χ^2/NDF: 3538299.5/39

In: 196.161+/-0.028 χ^2/NDF:3328395.7/40

Out: 192.815+/-0.027 χ^2/NDF:4040754.9/46

All: 194.395+/-0.019 χ^2/NDF: 7376545.7/87



Right In: 151212.768+/-0.054 χ^2/NDF: 5044604678.4/17

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151846.693+/-0.049 χ^2/NDF: 11174213078.4/21

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

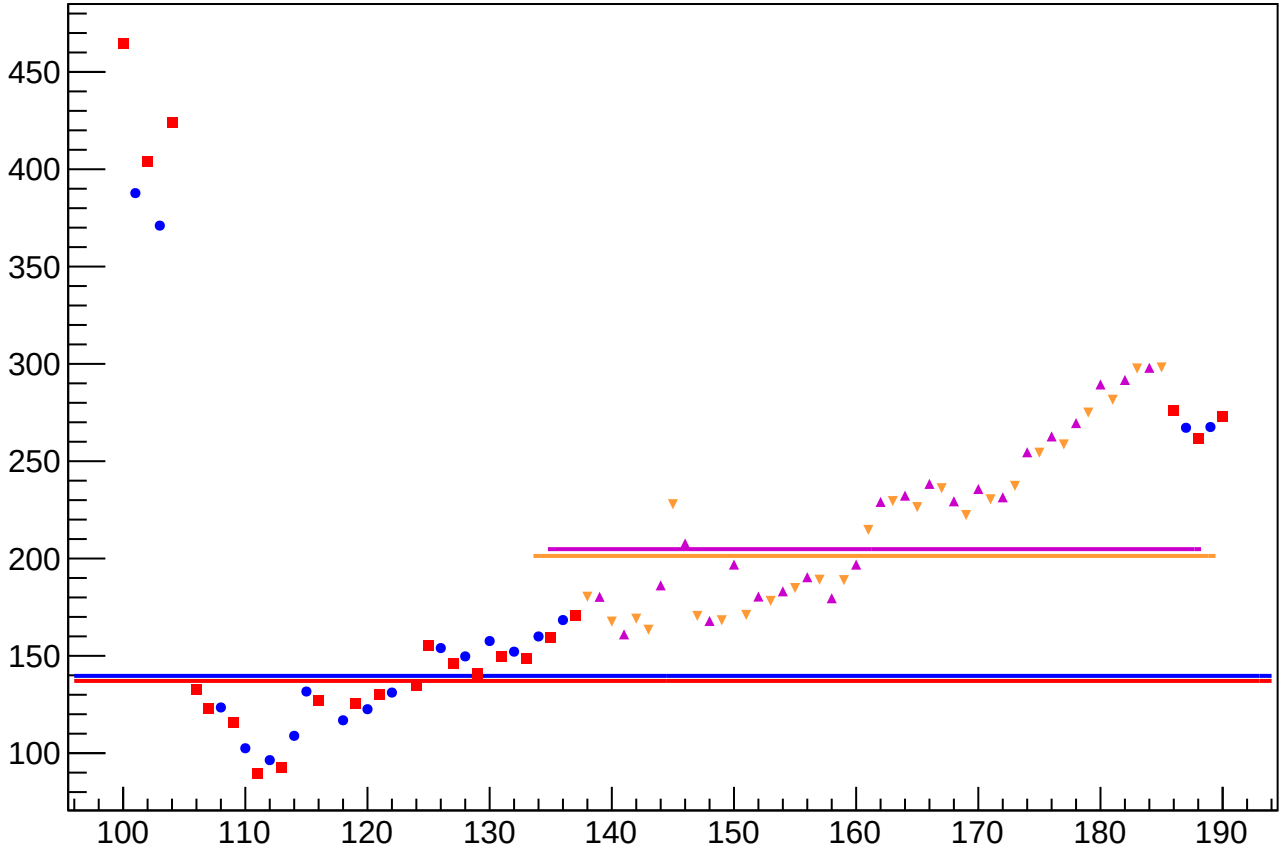
Right: 151556.258+/-0.036 χ^2/NDF: 16294006099.

In: 159993.157+/-0.036 χ^2/NDF:108719047580.2

Out: 160060.153+/-0.034 χ^2/NDF:122897084301.

All: 160028.756+/-0.025 χ^2/NDF: 23161795

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 139.704+/-0.038 χ^2/NDF: 1752274.6/17

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 137.118+/-0.035 χ^2/NDF: 2464476.6/21

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

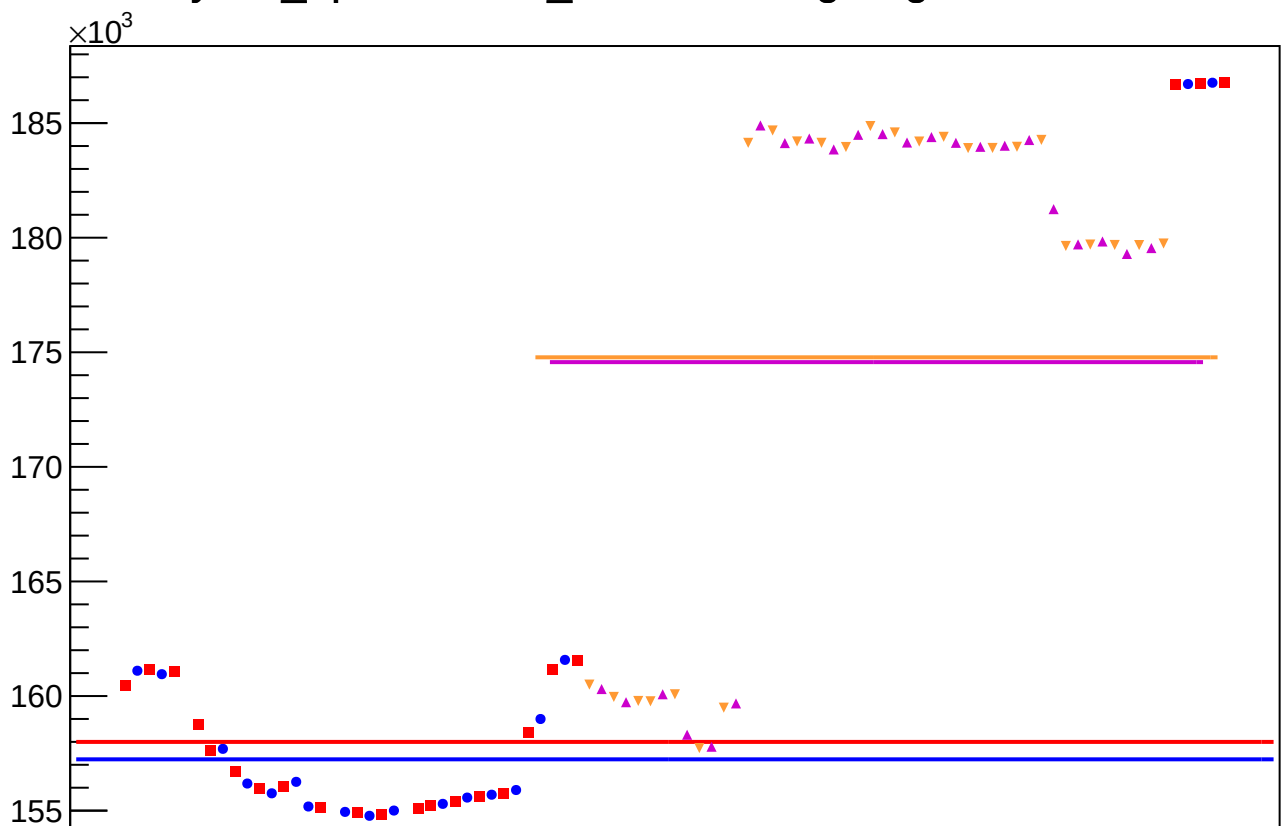
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 138.303+/-0.026 χ^2/NDF: 4219252.8/39

In: 175.393+/-0.026 χ^2/NDF:4410499.7/40

Out: 171.058+/-0.024 χ^2/NDF:5475112.5/46

All: 173.090+/-0.018 χ^2/NDF: 9900869.6/87



Right In: 157238.285+/-0.056 χ^2/NDF: 8415968874.5/17

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 157998.689+/-0.052 χ^2/NDF: 17596561066.0/21

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

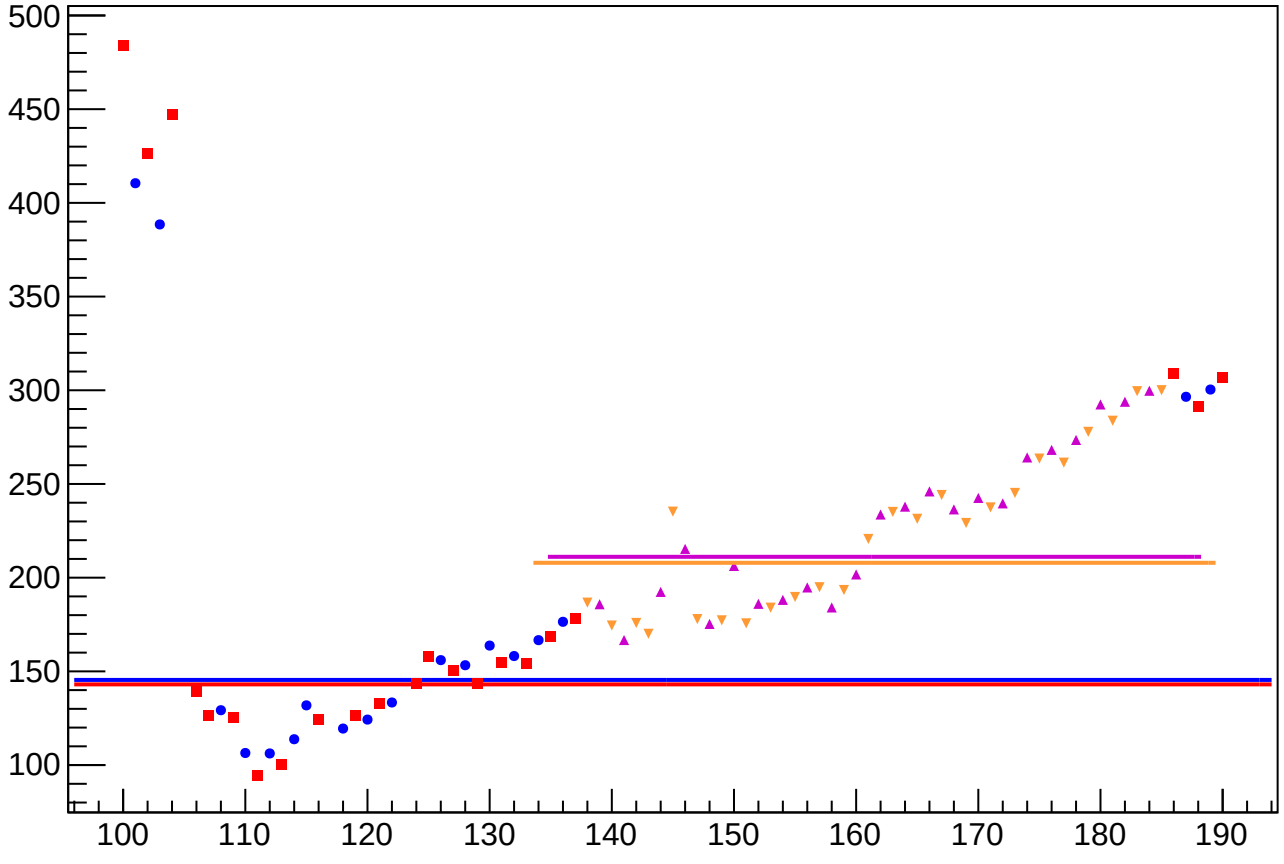
Right: 157649.017+/-0.038 χ^2/NDF: 26111780912.

In: 166839.553+/-0.037 χ^2/NDF:116055043225.0

Out: 166985.395+/-0.035 χ^2/NDF:132024750243.

All: 166916.857+/-0.026 χ^2/NDF: 24808782

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 145.434+/-0.040 χ^2/NDF: 1779778.3/17

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 143.055+/-0.037 χ^2/NDF: 2544317.4/21

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

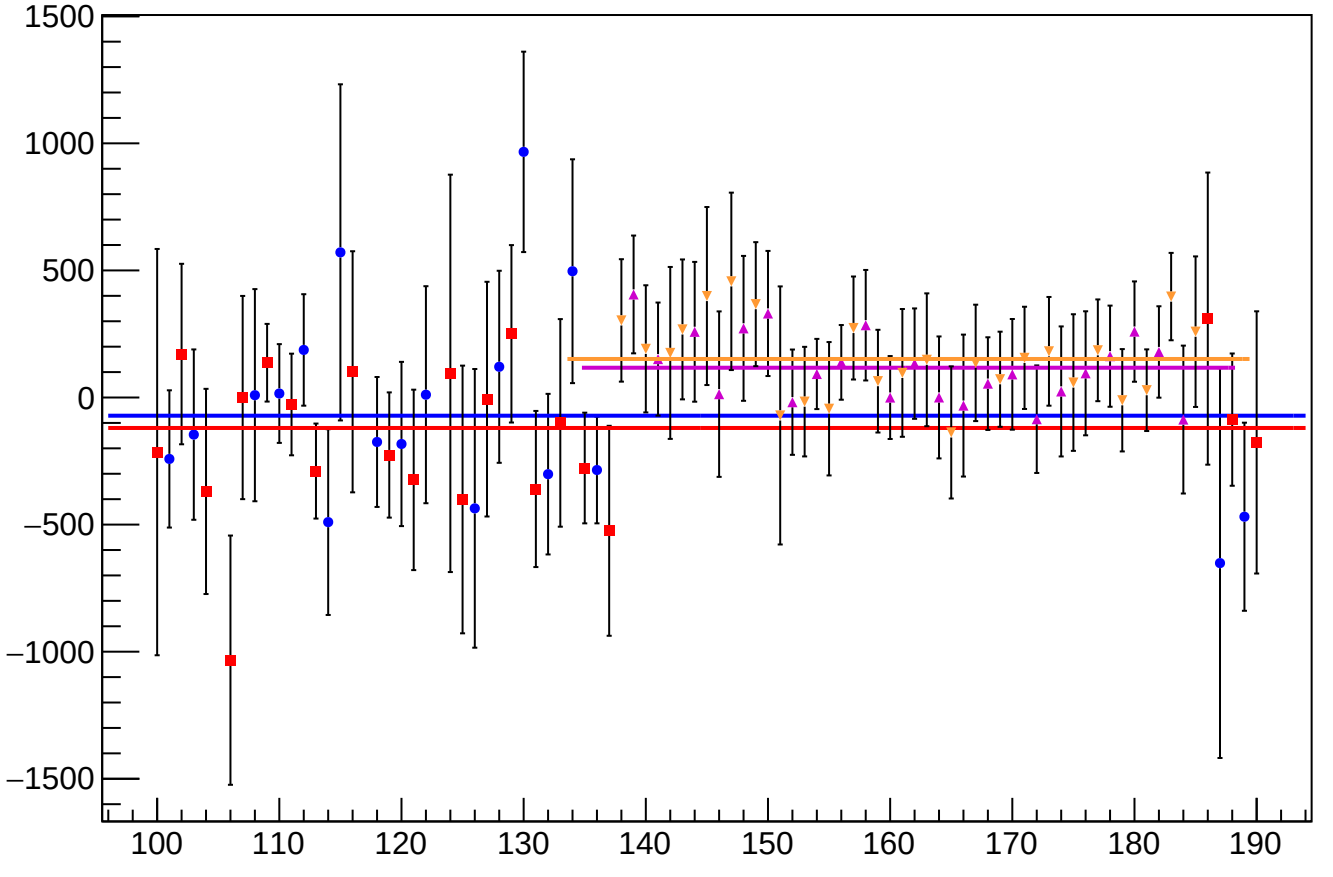
Right: 144.149+/-0.027 χ^2/NDF: 4326039.6/39

In: 181.830+/-0.026 χ^2/NDF:4293236.7/40

Out: 177.800+/-0.025 χ^2/NDF:5359532.1/46

All: 179.694+/-0.018 χ^2/NDF: 9665030.7/87

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -71.565+/-74.646 χ^2/NDF: 17.2/17

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -119.859+/-65.283 χ^2/NDF: 13.5/21

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

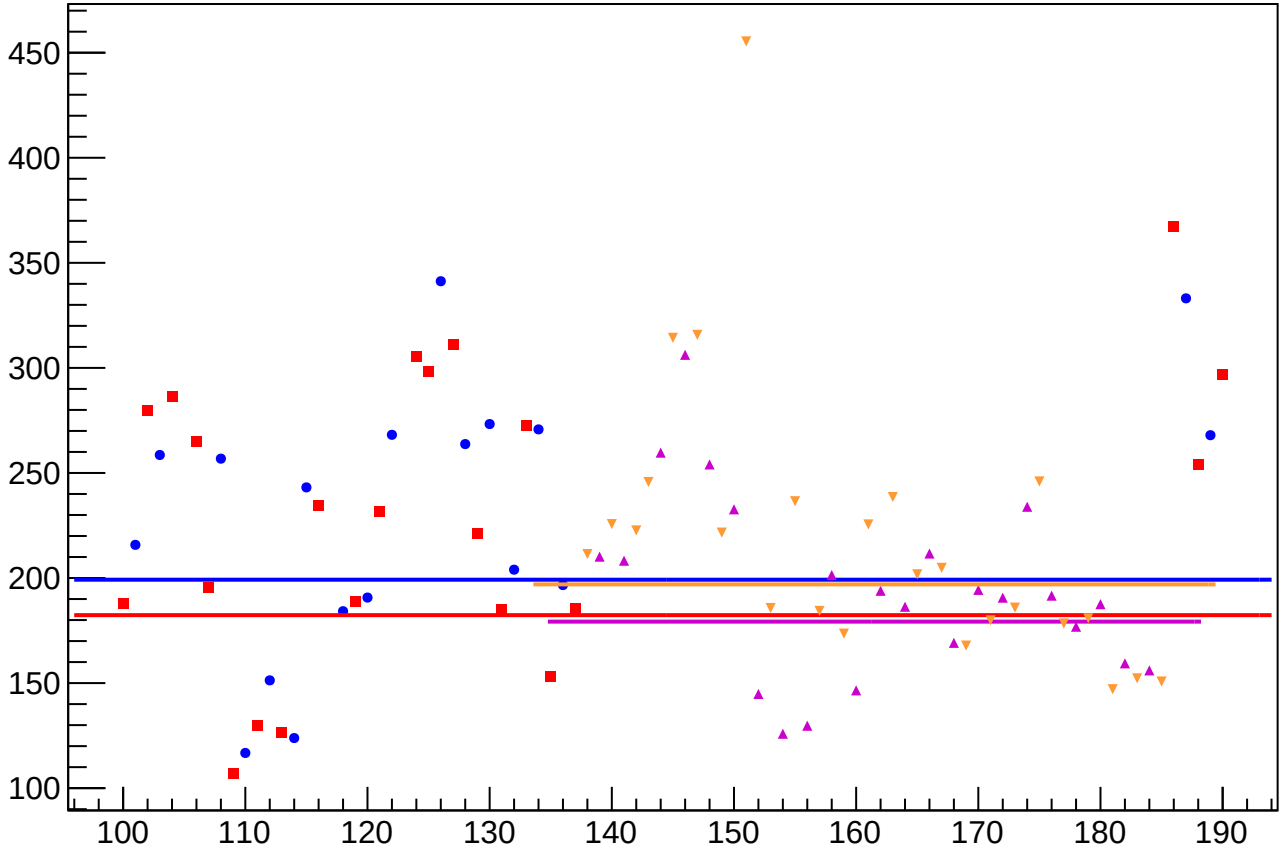
Right: -98.929+/-49.141 χ^2/NDF: 30.9/39

In: 68.862+/-37.763 χ^2/NDF:29.5/40

Out: 60.442+/-37.831 χ^2/NDF:34.5/46

All: 64.660+/-26.726 χ^2/NDF: 64.0/87

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 199.205+/-0.053 χ^2/NDF: 1165209.1/17

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 182.335+/-0.046 χ^2/NDF: 2129479.9/21

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

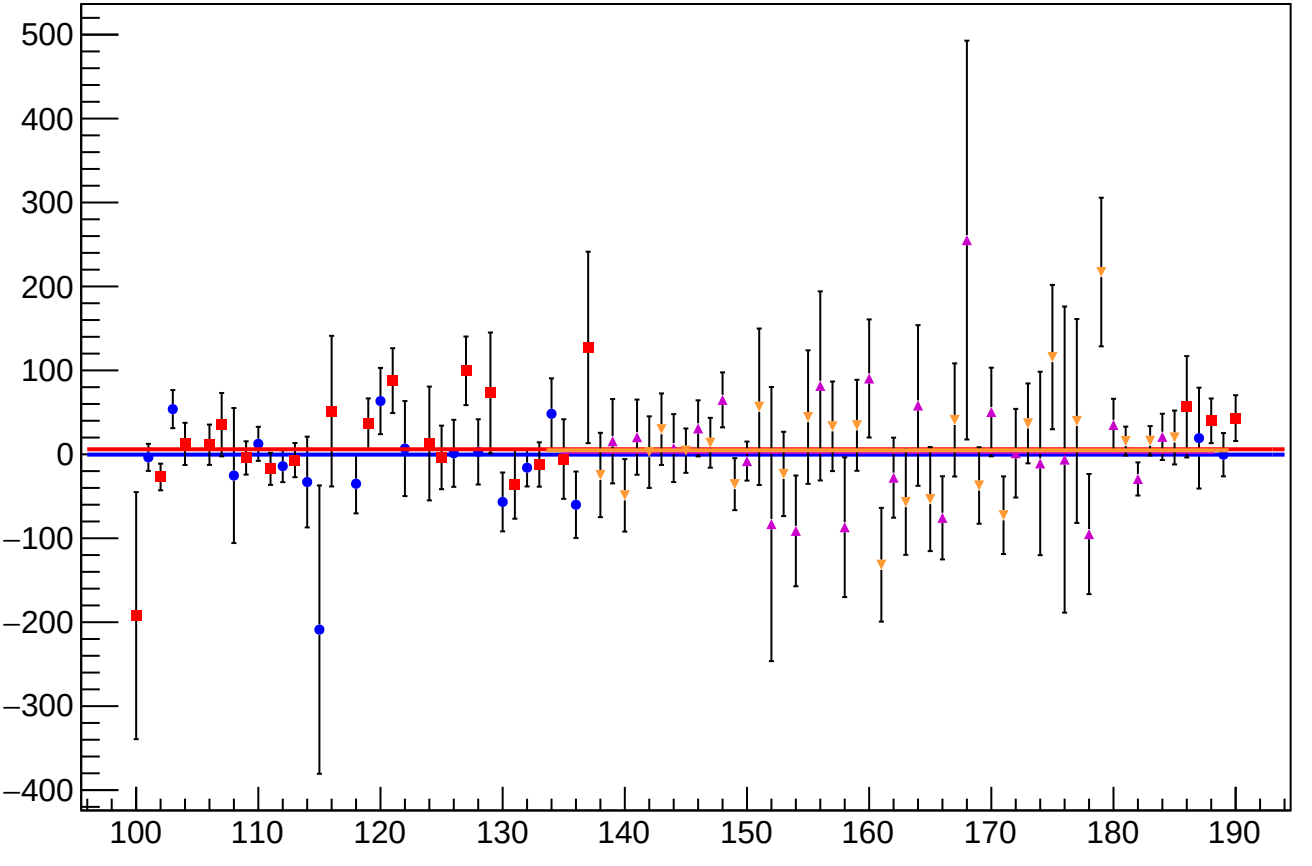
Right: 189.646+/-0.035 χ^2/NDF: 3352567.1/39

In: 184.361+/-0.027 χ^2/NDF:2927517.1/40

Out: 192.059+/-0.027 χ^2/NDF:4005592.8/46

All: 188.203+/-0.019 χ^2/NDF: 6974587.4/87

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.338+/-7.011 χ^2/NDF: 19.0/17

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 6.046+/-6.342 χ^2/NDF: 27.8/21

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

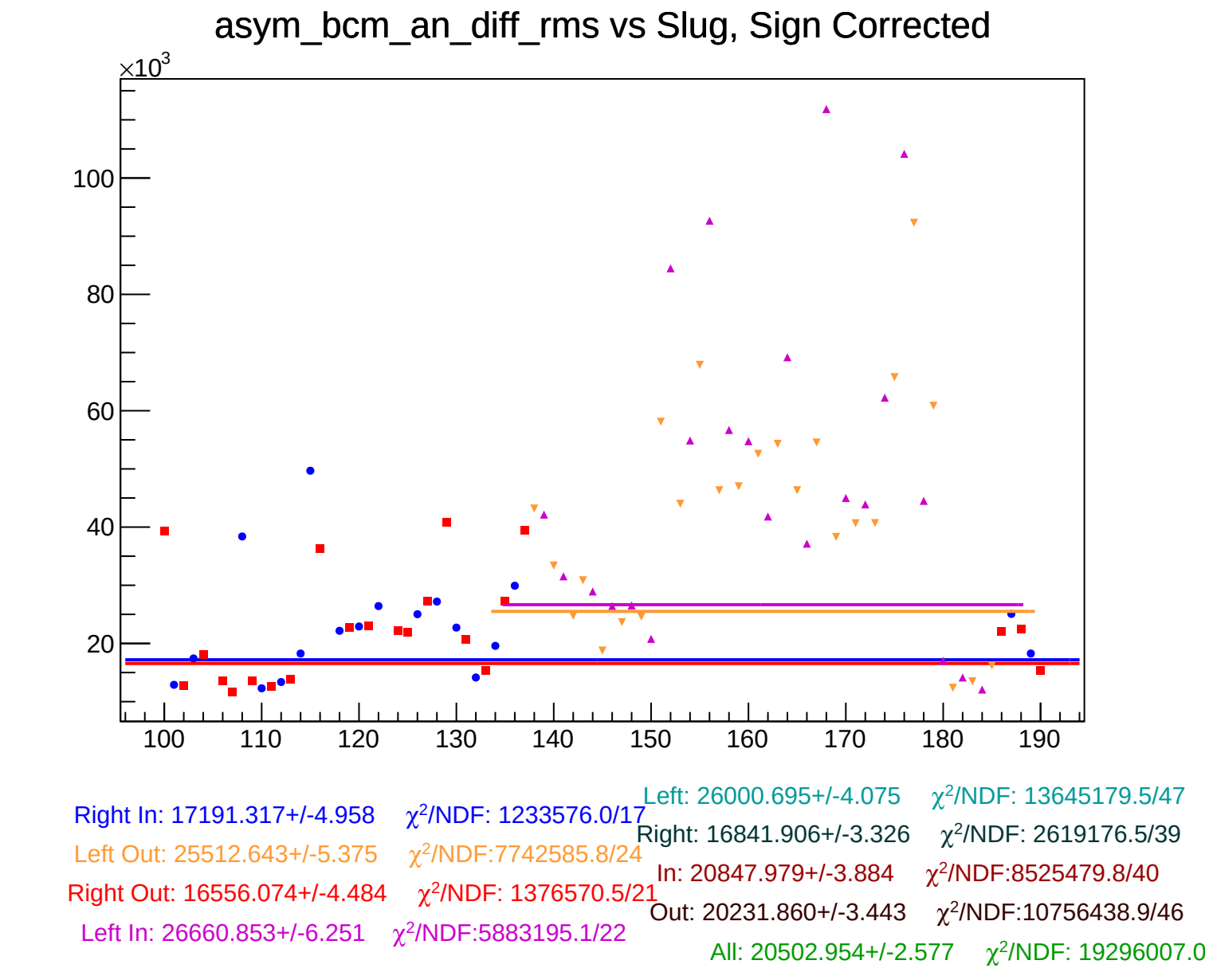
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 3.173+/-4.703 χ^2/NDF: 47.2/39

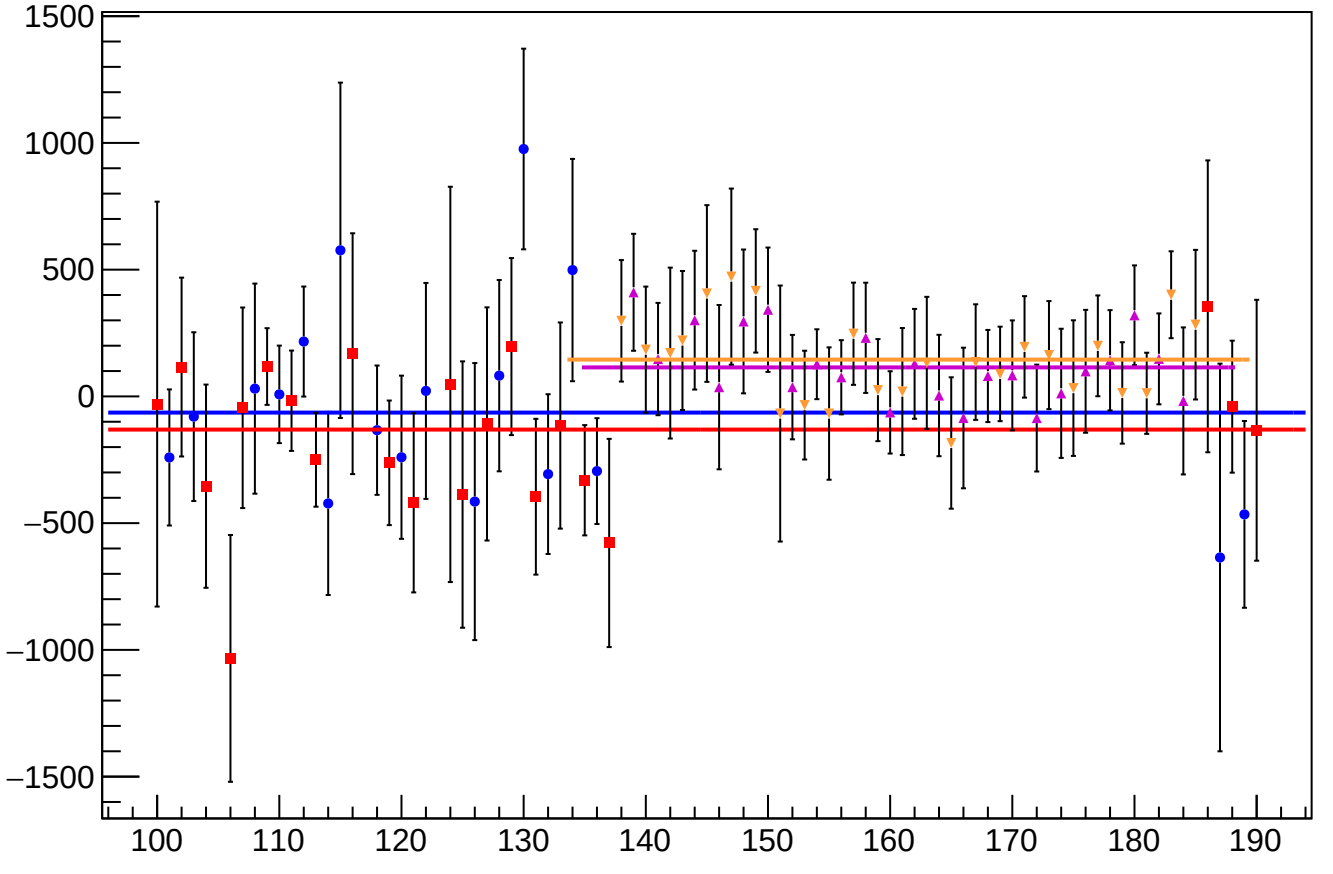
In: 0.919+/-5.493 χ^2/NDF:40.6/40

Out: 5.536+/-4.869 χ^2/NDF:52.1/46

All: 3.505+/-3.644 χ^2/NDF: 93.1/87


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 17191.317+/-4.958 χ²/NDF: 1233576.0/17
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 16556.074+/-4.484 χ²/NDF: 1376570.5/21
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 16841.906+/-3.326 χ²/NDF: 2619176.5/39
In: 20847.979+/-3.884 χ²/NDF:8525479.8/40
Out: 20231.860+/-3.443 χ²/NDF:10756438.9/46
All: 20502.954+/-2.577 χ²/NDF: 19296007.0

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -63.877+/-74.227 χ^2/NDF: 17.3/17

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -130.892+/-64.916 χ^2/NDF: 13.9/21

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

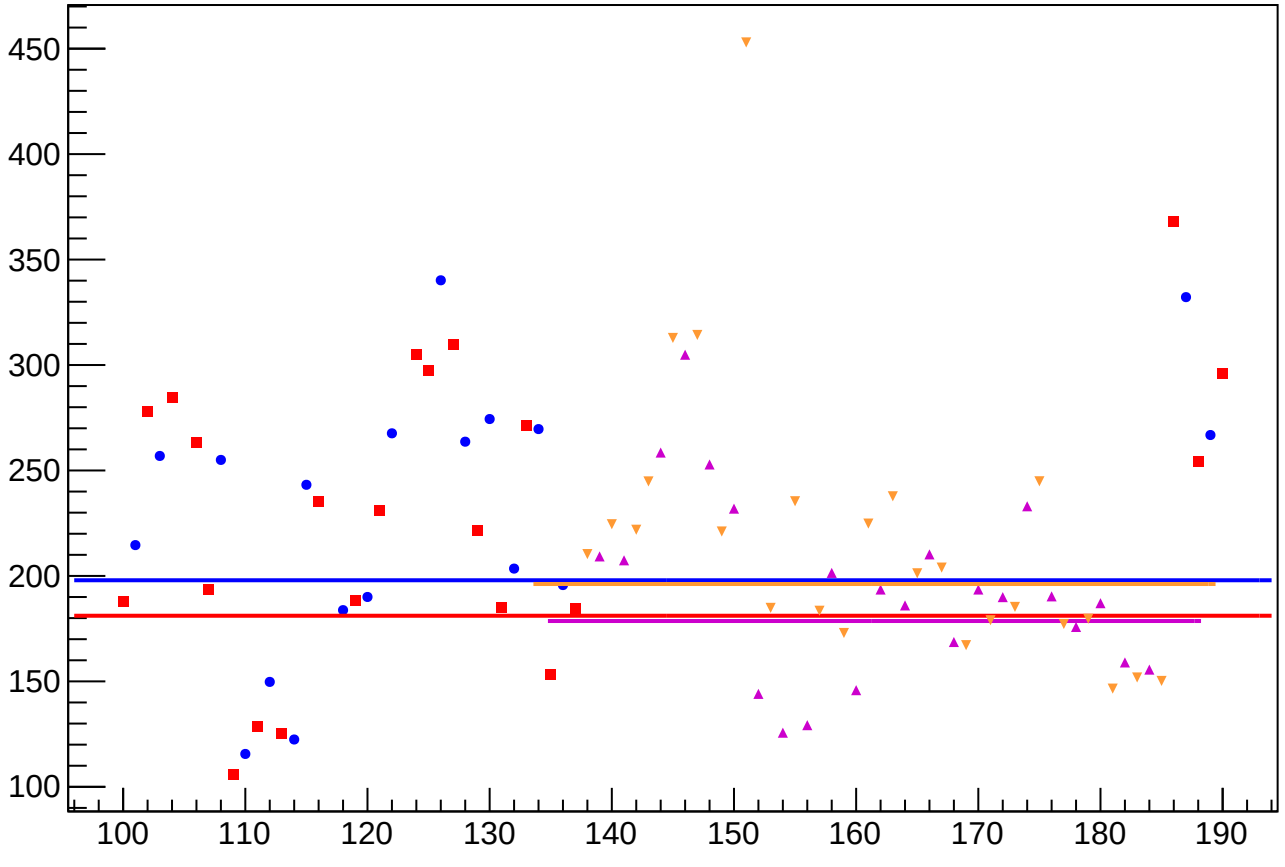
Right: -101.849+/-48.865 χ^2/NDF: 31.6/39

In: 68.639+/-37.607 χ^2/NDF:30.0/40

Out: 52.288+/-37.654 χ^2/NDF:37.1/46

All: 60.474+/-26.609 χ^2/NDF: 67.1/87

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 197.945+/-0.052 χ^2/NDF: 1187599.0/17

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 181.123+/-0.046 χ^2/NDF: 2162520.9/21

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

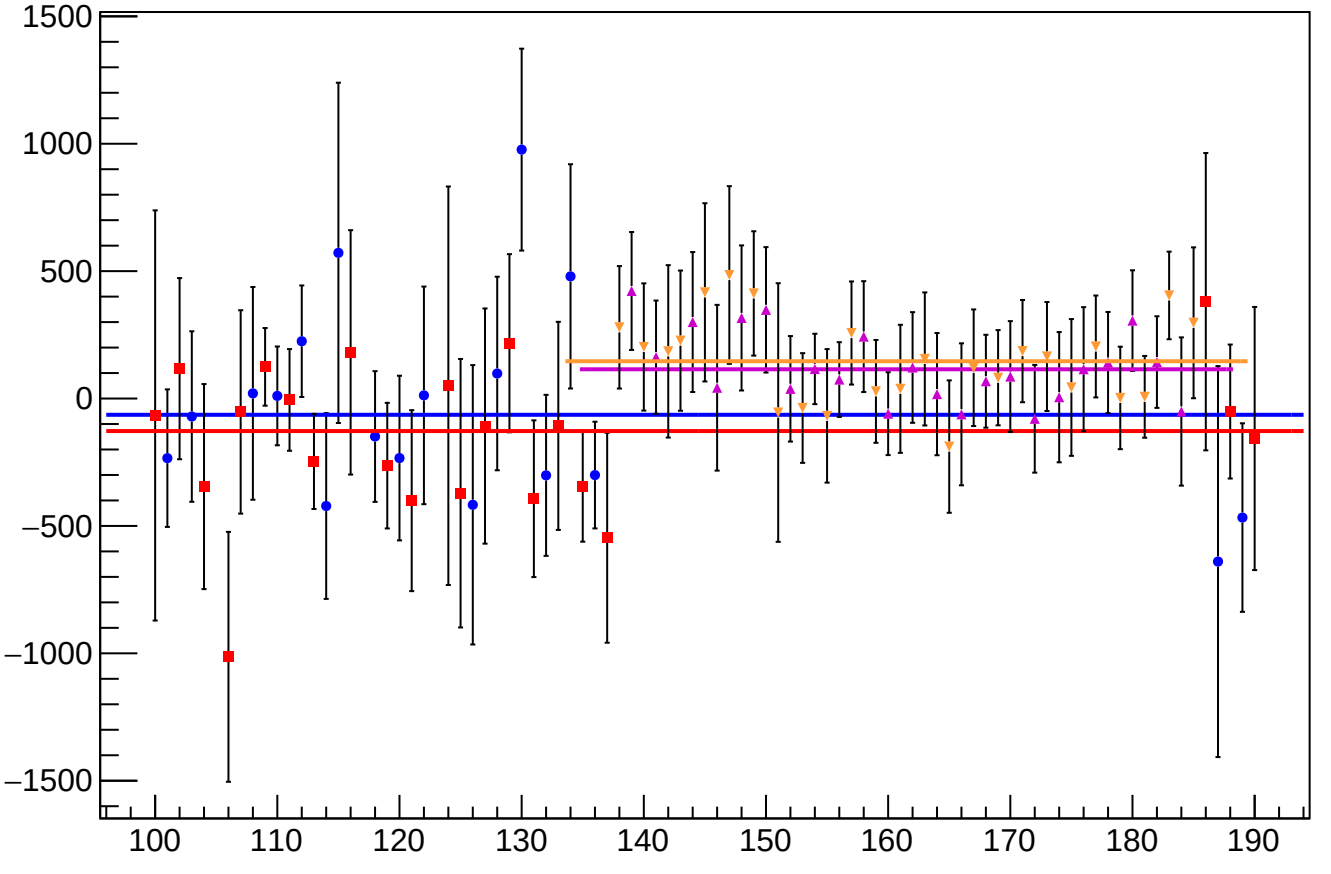
Right: 188.413+/-0.035 χ^2/NDF: 3408321.4/39

In: 183.581+/-0.027 χ^2/NDF:2940226.9/40

Out: 191.104+/-0.027 χ^2/NDF:4040652.0/46

All: 187.338+/-0.019 χ^2/NDF: 7020850.4/87

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -63.816+/-74.634 χ^2/NDF: 17.2/17

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -127.624+/-65.298 χ^2/NDF: 13.8/21

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

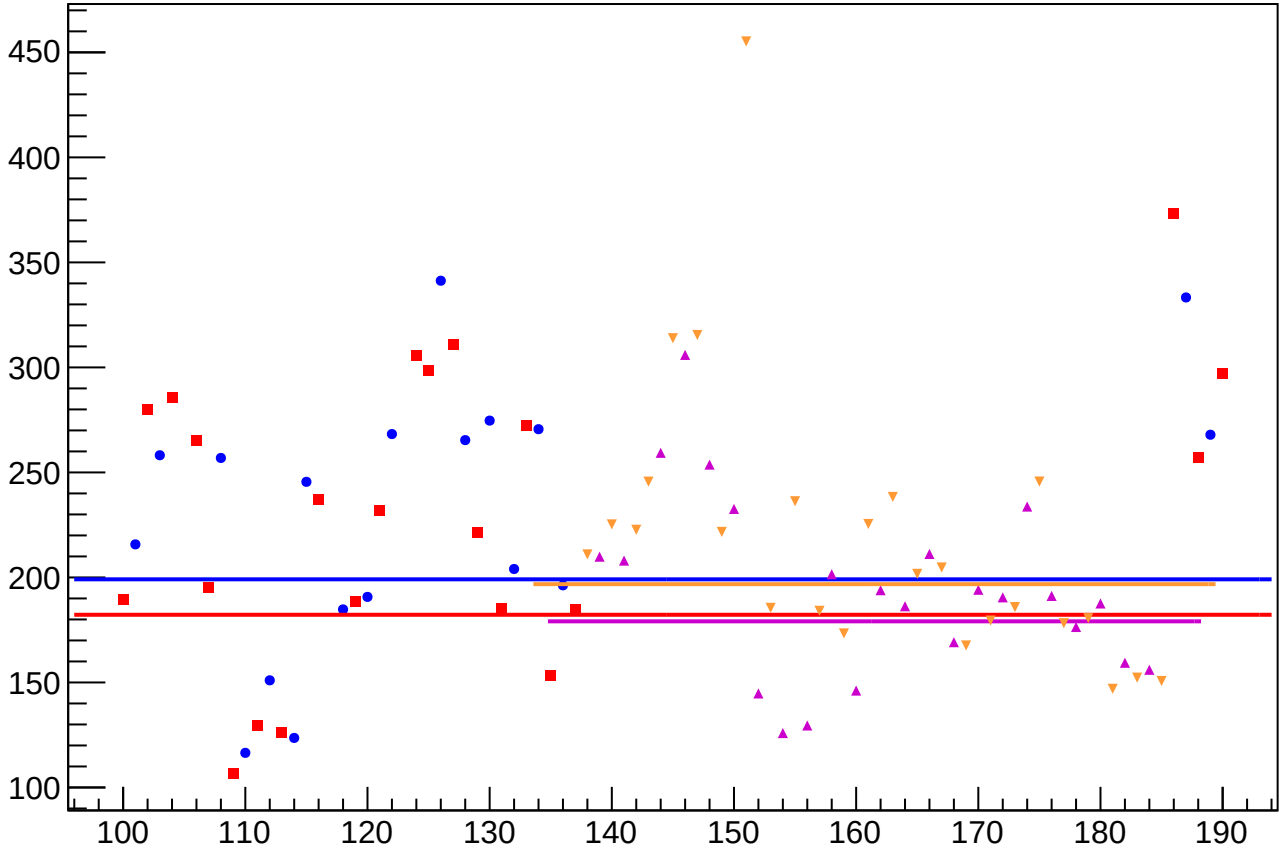
Right: -99.958+/-49.144 χ^2/NDF: 31.4/39

In: 69.140+/-37.737 χ^2/NDF:29.9/40

Out: 54.528+/-37.812 χ^2/NDF:36.9/46

All: 61.849+/-26.711 χ^2/NDF: 66.9/87

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 199.105+/-0.053 χ^2/NDF: 1175779.6/17

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 182.224+/-0.046 χ^2/NDF: 2157137.0/21

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

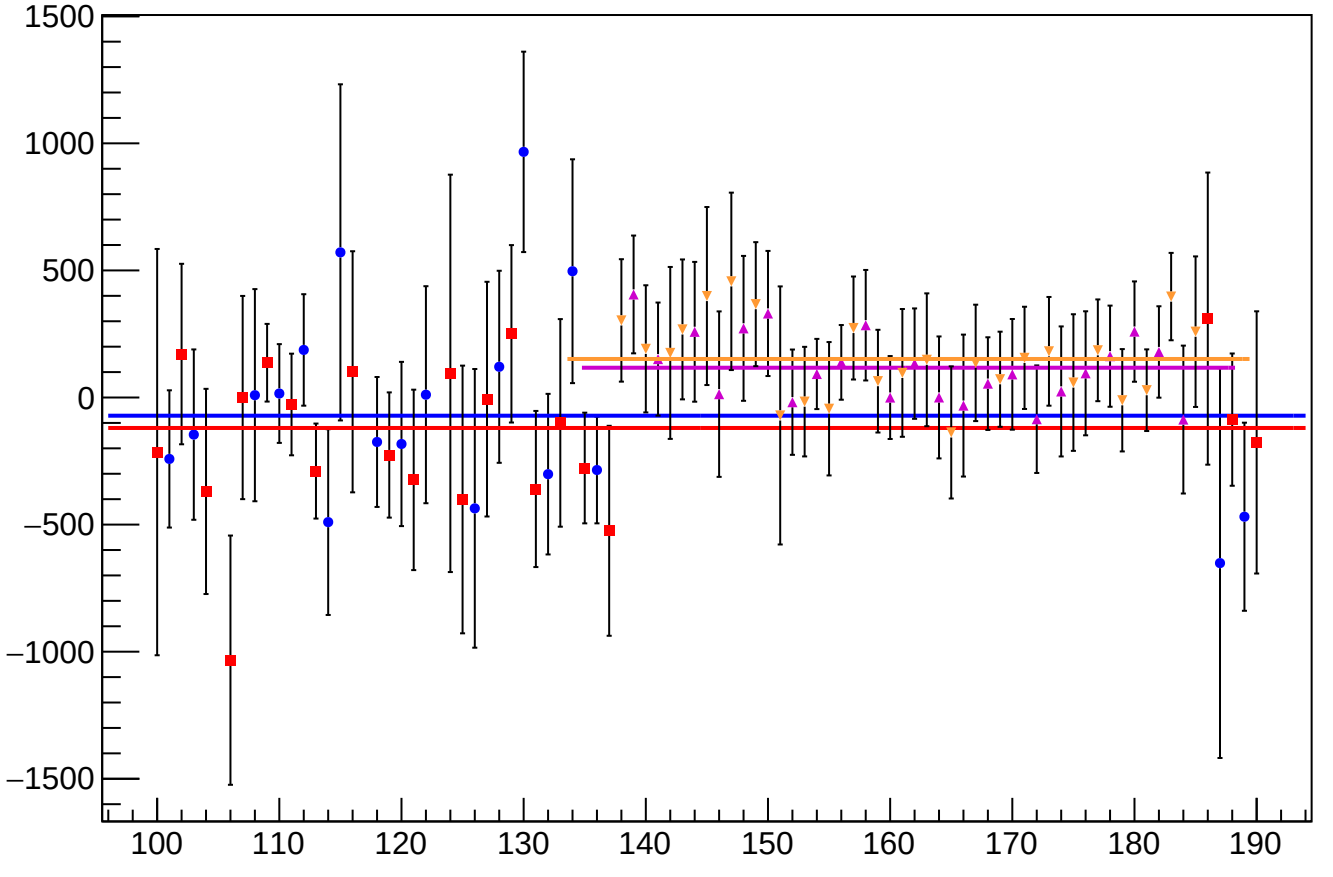
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 189.544+/-0.035 χ^2/NDF: 3390871.4/39

In: 184.215+/-0.027 χ^2/NDF:2938596.7/40

Out: 191.916+/-0.027 χ^2/NDF:4032030.5/46

All: 188.058+/-0.019 χ^2/NDF: 7012188.9/87



Right In: -71.565+/-74.646 χ^2/NDF: 17.2/17

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -119.859+/-65.283 χ^2/NDF: 13.5/21

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

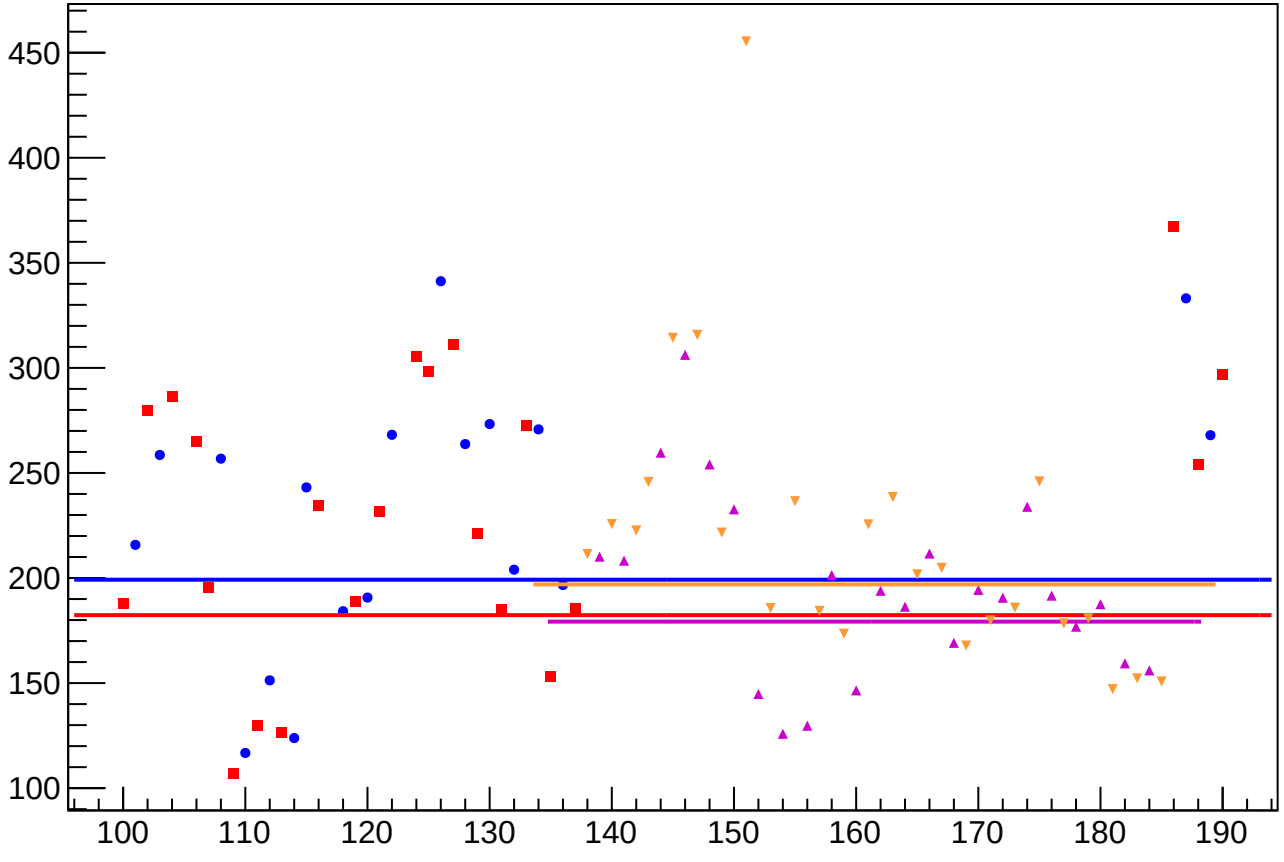
Right: -98.929+/-49.141 χ^2/NDF: 30.9/39

In: 68.862+/-37.763 χ^2/NDF:29.5/40

Out: 60.442+/-37.831 χ^2/NDF:34.5/46

All: 64.660+/-26.726 χ^2/NDF: 64.0/87

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 199.205+/-0.053 χ^2/NDF: 1165209.1/17

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 182.335+/-0.046 χ^2/NDF: 2129479.9/21

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

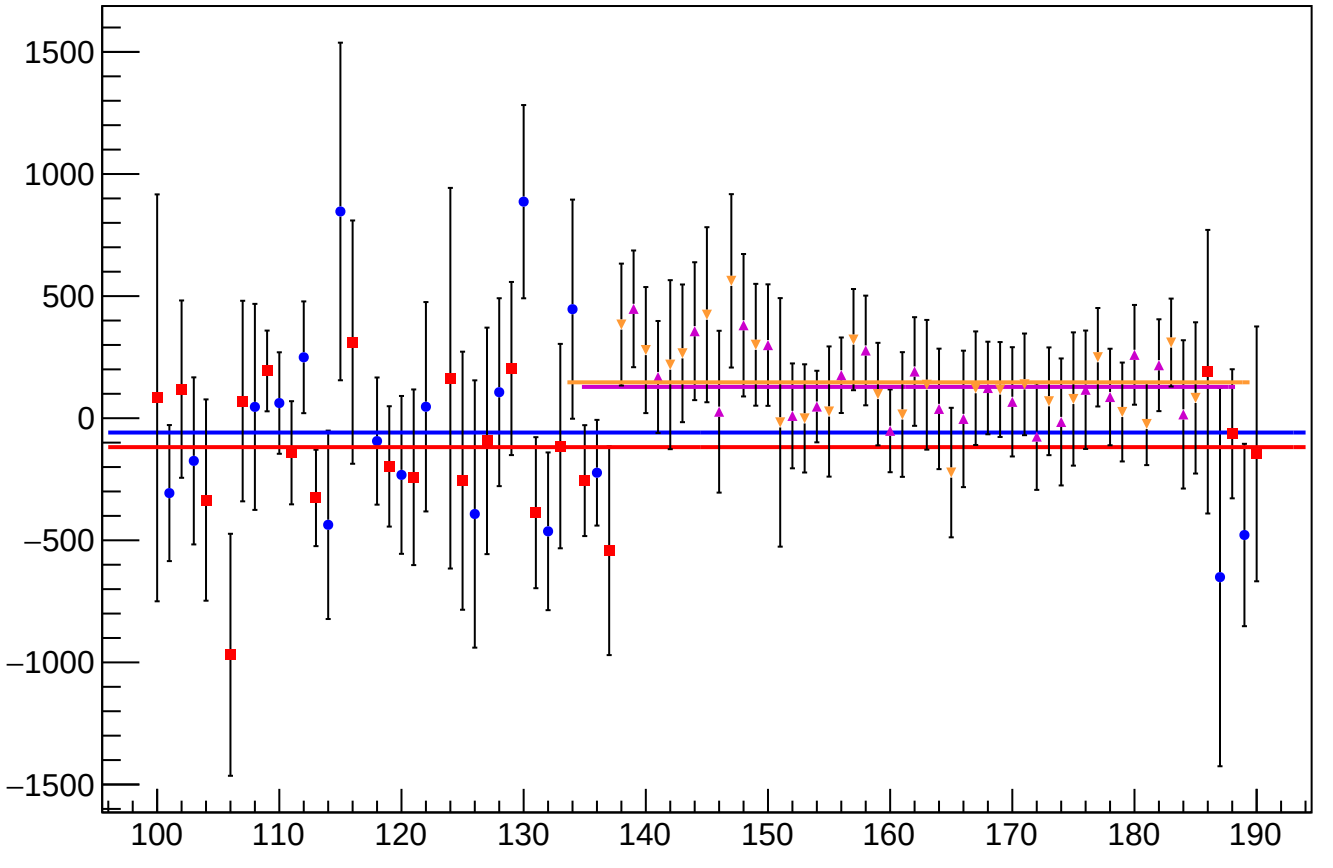
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 189.646+/-0.035 χ^2/NDF: 3352567.1/39

In: 184.361+/-0.027 χ^2/NDF:2927517.1/40

Out: 192.059+/-0.027 χ^2/NDF:4005592.8/46

All: 188.203+/-0.019 χ^2/NDF: 6974587.4/87



Right In: -58.666+/-76.904 χ^2/NDF: 17.7/17

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -118.444+/-67.789 χ^2/NDF: 13.0/21

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

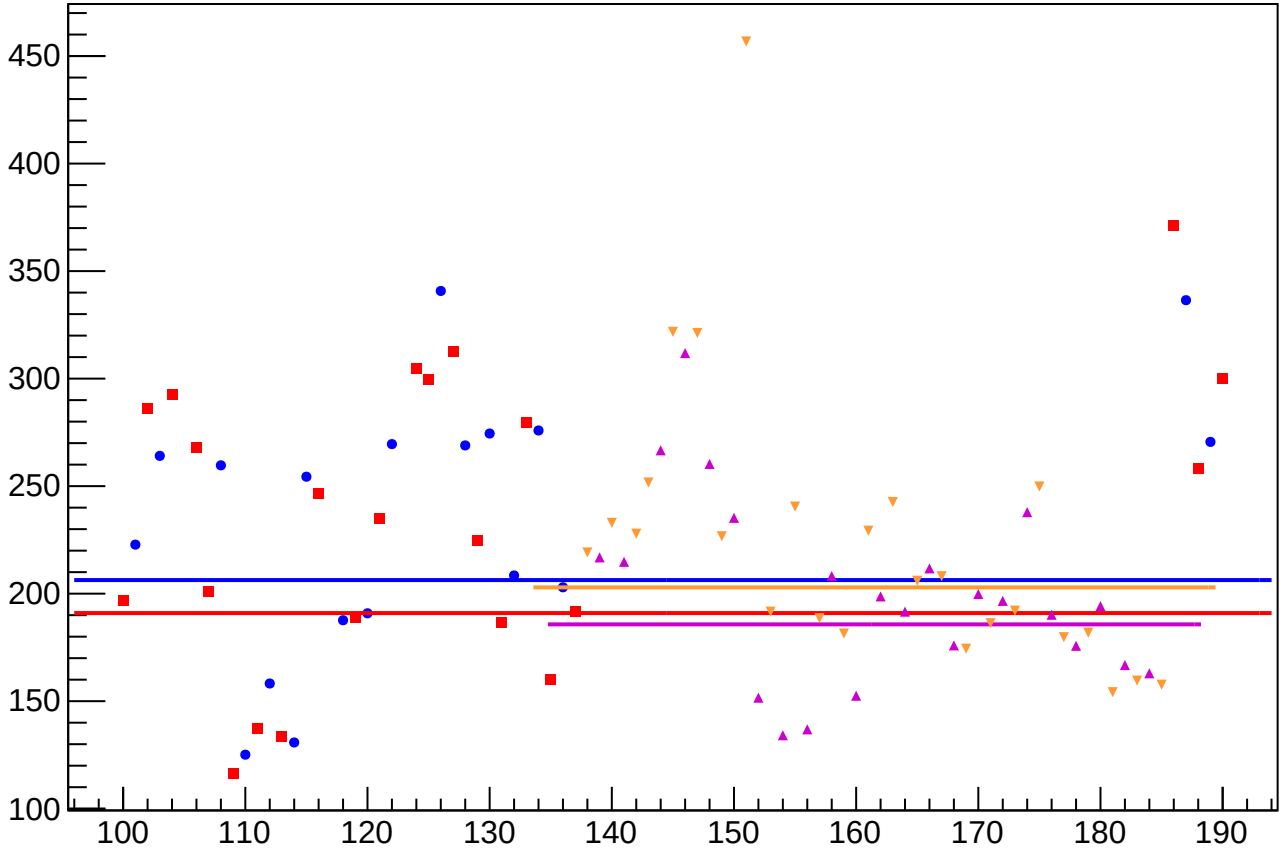
Right: -92.306+/-50.853 χ^2/NDF: 31.1/39

In: 80.191+/-38.968 χ^2/NDF:30.6/40

Out: 59.056+/-39.015 χ^2/NDF:33.5/46

All: 69.636+/-27.571 χ^2/NDF: 64.2/87

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 206.319+/-0.054 χ^2/NDF: 1031688.9/17

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 190.975+/-0.048 χ^2/NDF: 1888248.6/21

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

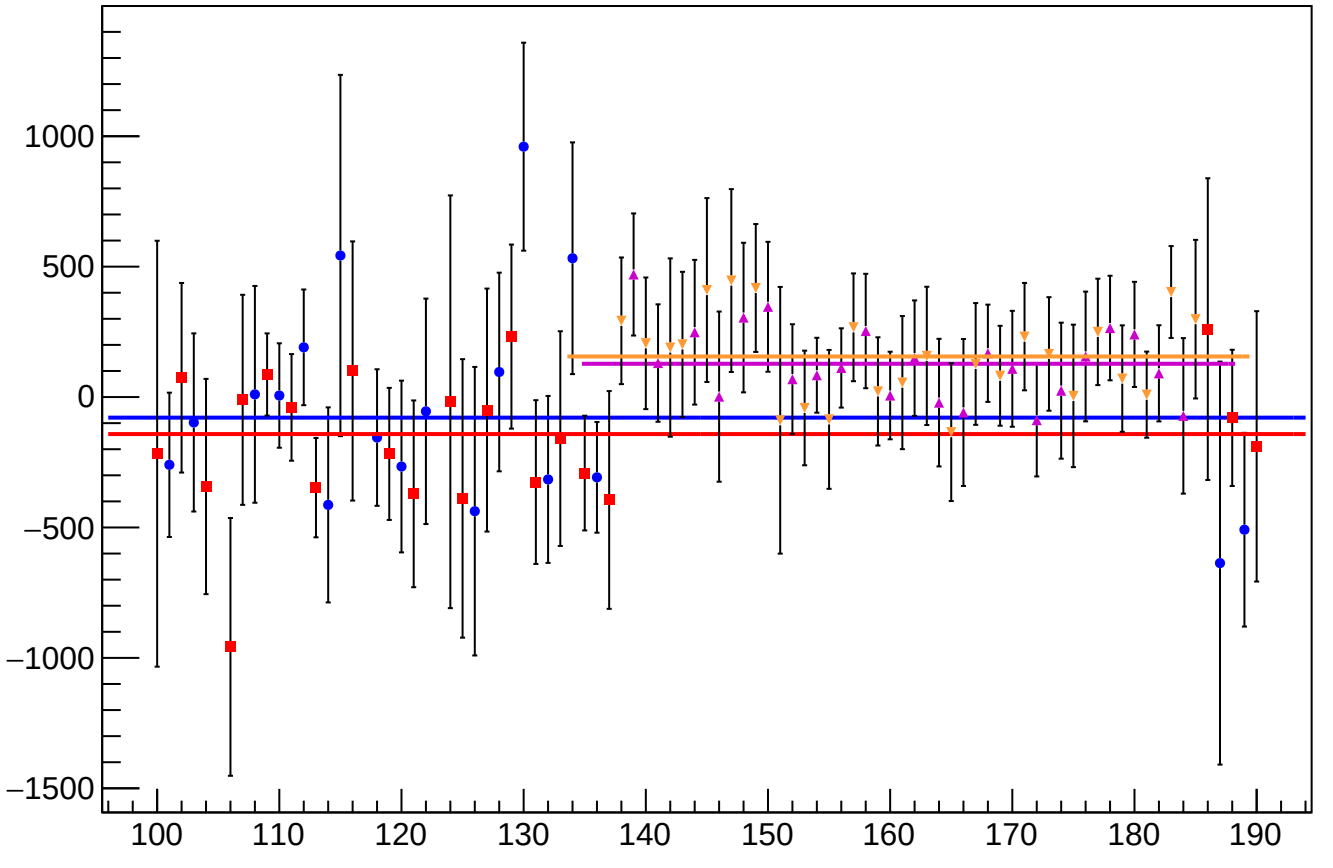
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 197.684+/-0.036 χ^2/NDF: 2964746.7/39

In: 191.006+/-0.028 χ^2/NDF:2627873.4/40

Out: 198.963+/-0.028 χ^2/NDF:3629896.8/46

All: 194.980+/-0.019 χ^2/NDF: 6299419.6/87



Right In: -78.866+/-75.914 χ^2/NDF: 17.0/17

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -141.893+/-66.515 χ^2/NDF: 10.8/21

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

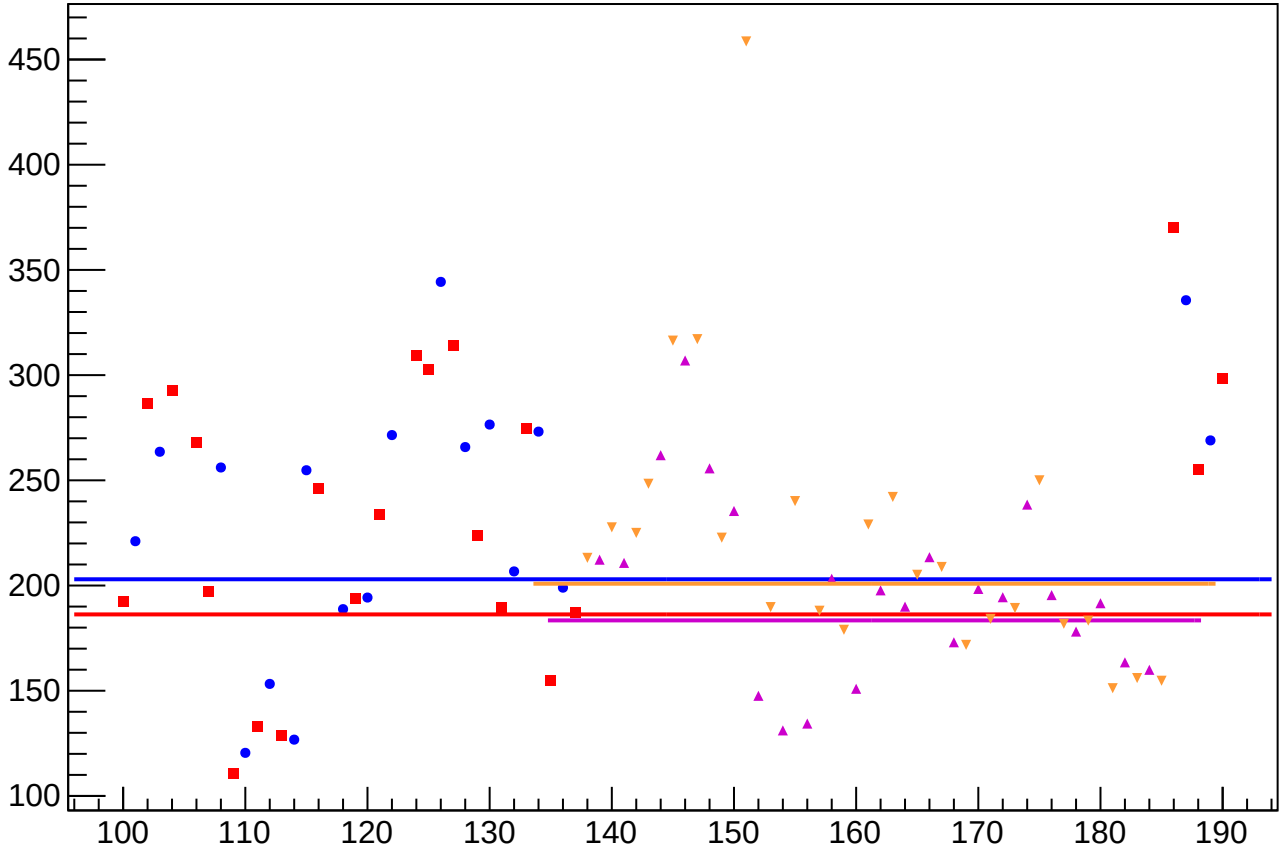
Right: -114.521+/-50.028 χ^2/NDF: 28.2/39

In: 74.493+/-38.517 χ^2/NDF:30.5/40

Out: 55.819+/-38.527 χ^2/NDF:34.8/46

All: 65.159+/-27.239 χ^2/NDF: 65.4/87

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 202.976+/-0.054 χ^2/NDF: 1122158.6/17

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 186.276+/-0.047 χ^2/NDF: 2068306.5/21

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

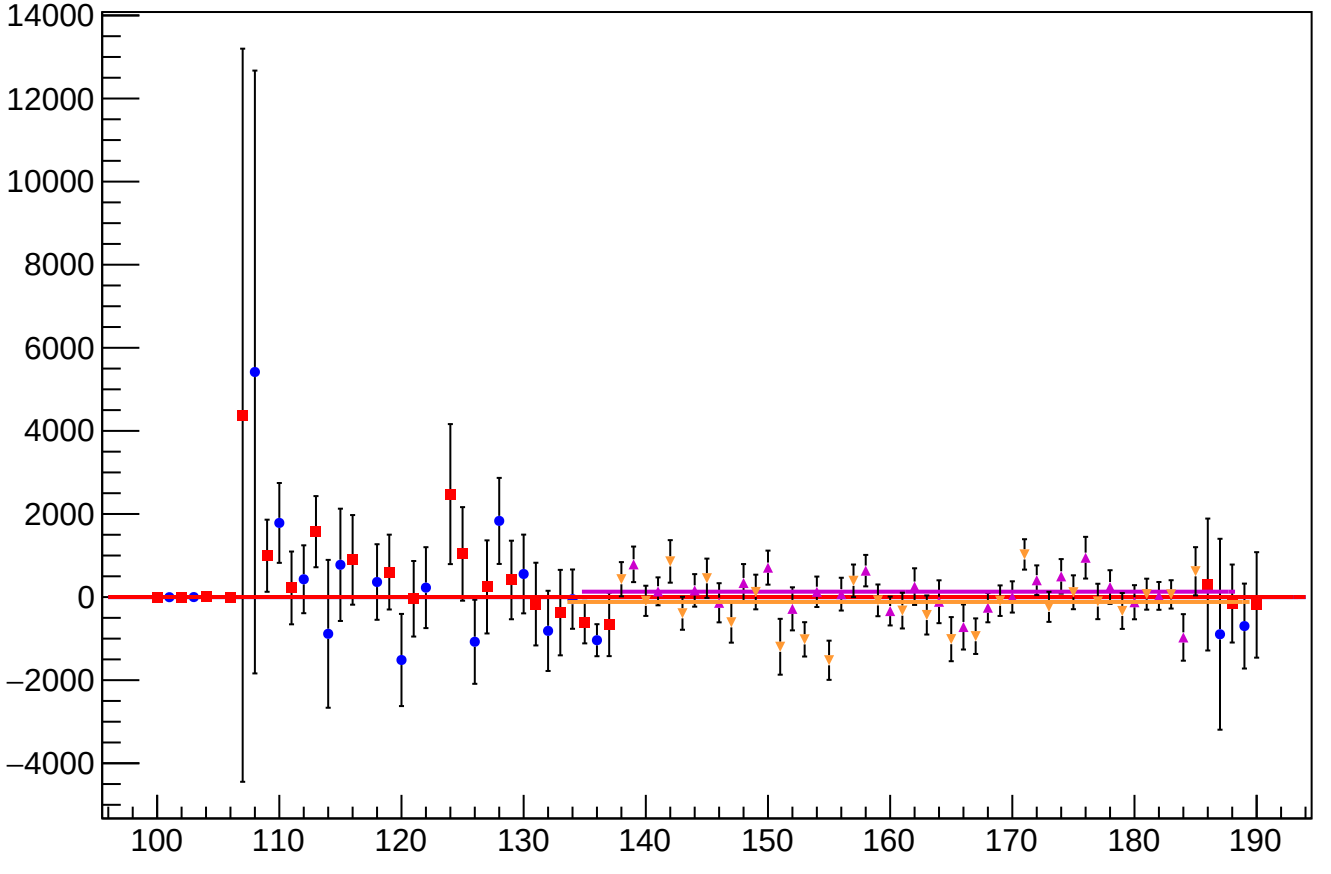
Right: 193.529+/-0.035 χ^2/NDF: 3245221.3/39

In: 188.464+/-0.027 χ^2/NDF:2751262.7/40

Out: 195.970+/-0.027 χ^2/NDF:3859642.6/46

All: 192.216+/-0.019 χ^2/NDF: 6648868.0/87

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.243+/-2.171 χ^2/NDF: 20.5/17

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.377+/-2.022 χ^2/NDF: 16.9/21

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

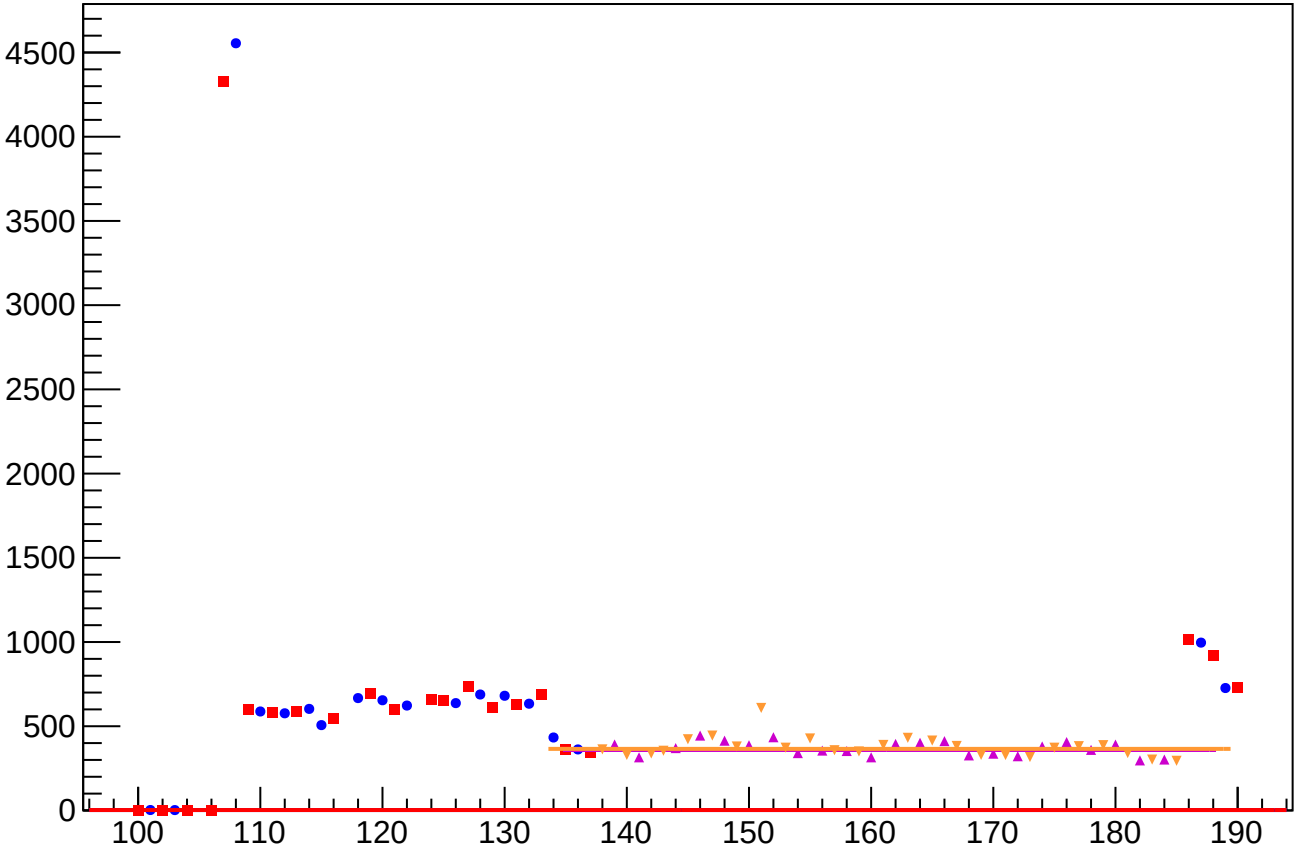
Right: 0.160+/-1.480 χ^2/NDF: 38.2/39

In: -1.158+/-2.170 χ^2/NDF:44.6/40

Out: 1.308+/-2.022 χ^2/NDF:65.3/46

All: 0.162+/-1.479 χ^2/NDF: 110.6/87

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.481+/-0.002 χ^2/NDF: 13004840.7/17

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.470+/-0.001 χ^2/NDF: 14910385.5/21

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

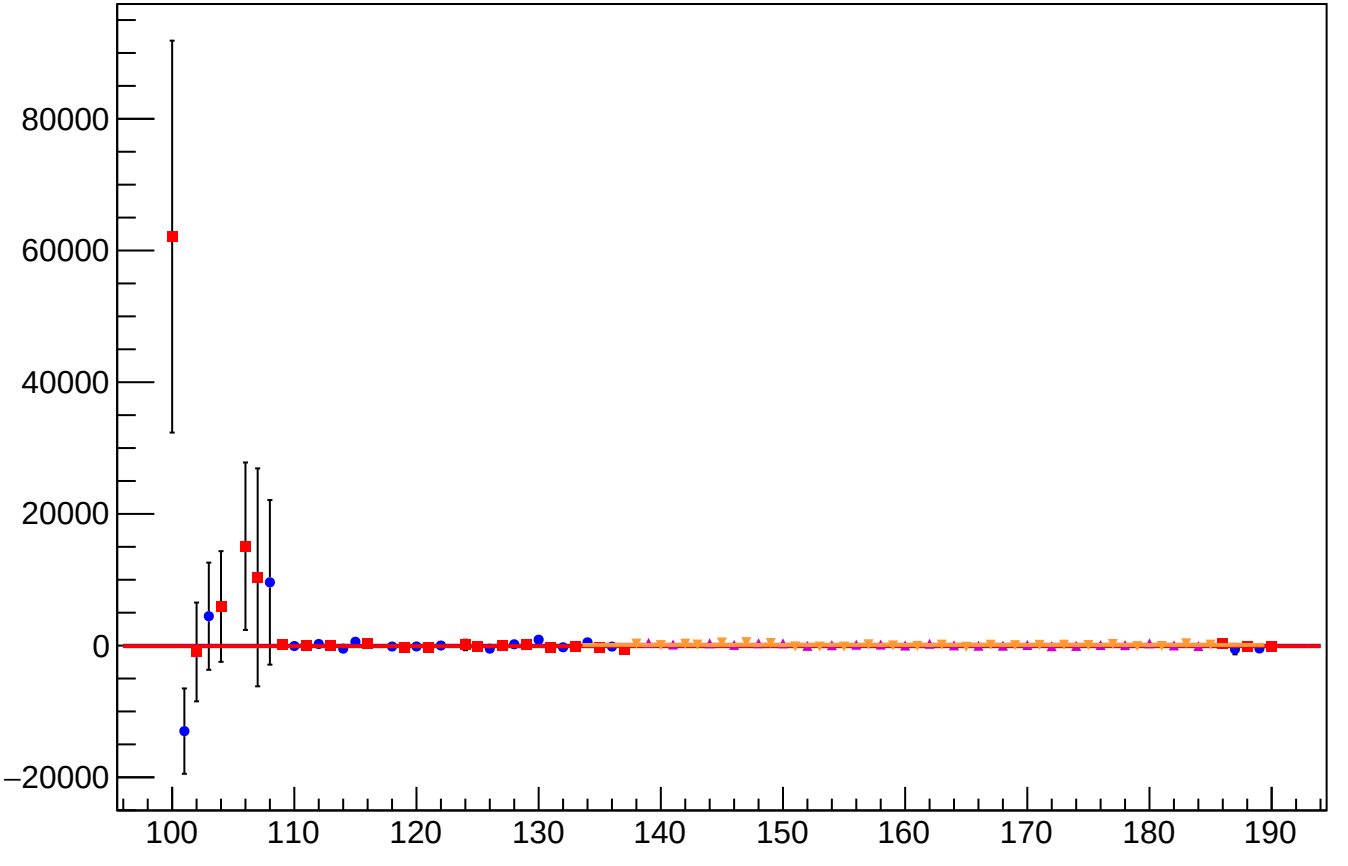
Right: 2.475+/-0.001 χ^2/NDF: 27915253.5/39

In: 2.713+/-0.002 χ^2/NDF:48556252.7/40

Out: 2.679+/-0.001 χ^2/NDF:52749974.2/46

All: 2.695+/-0.001 χ^2/NDF: 101306483.8/87

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -28.285+/-85.013 χ^2/NDF: 18.6/17

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -84.380+/-76.510 χ^2/NDF: 15.4/21

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

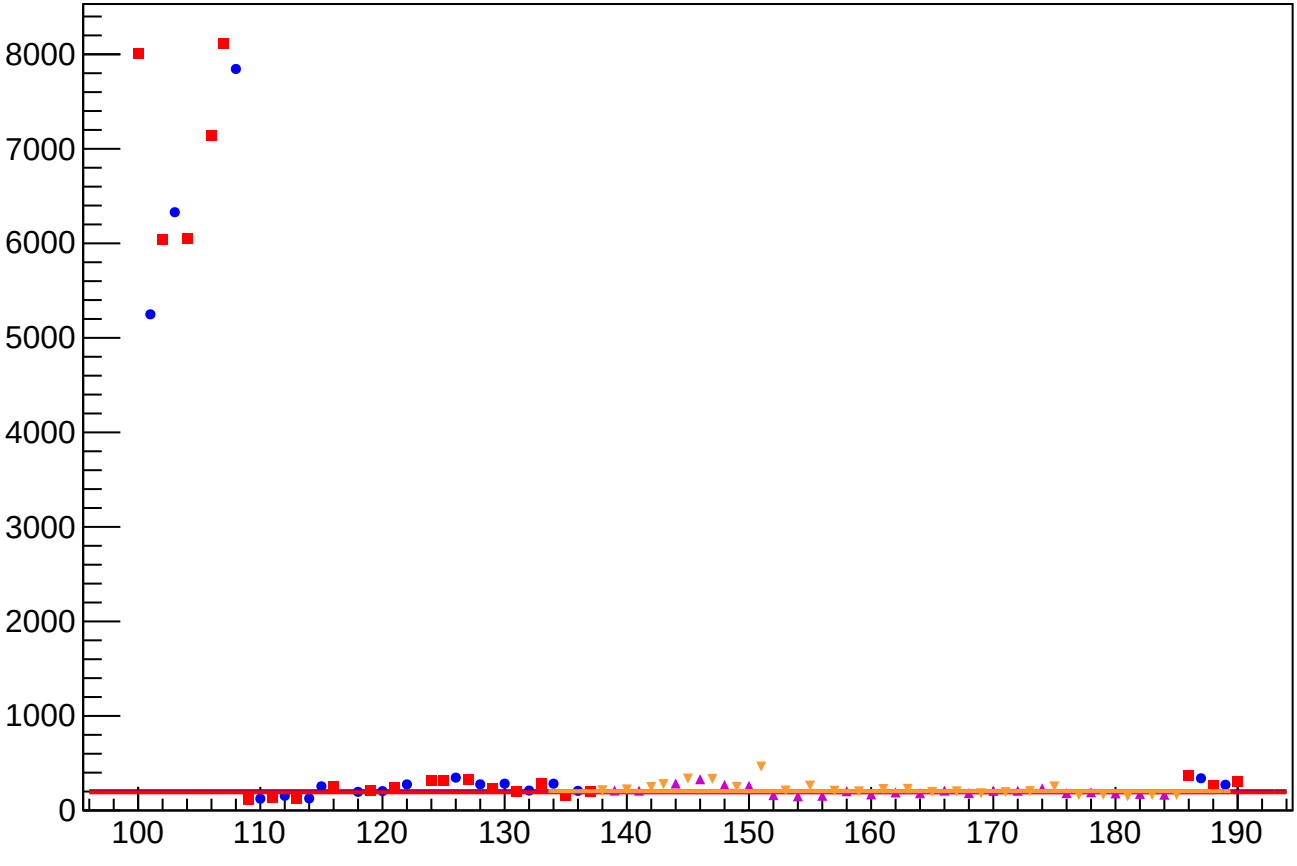
Right: -59.277+/-56.870 χ^2/NDF: 34.2/39

In: 84.834+/-41.104 χ^2/NDF:30.2/40

Out: 47.251+/-40.812 χ^2/NDF:32.3/46

All: 65.909+/-28.961 χ^2/NDF: 62.9/87

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 203.118+/-0.060 χ^2/NDF: 4094091.2/17

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 191.879+/-0.054 χ^2/NDF: 4877419.4/21

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

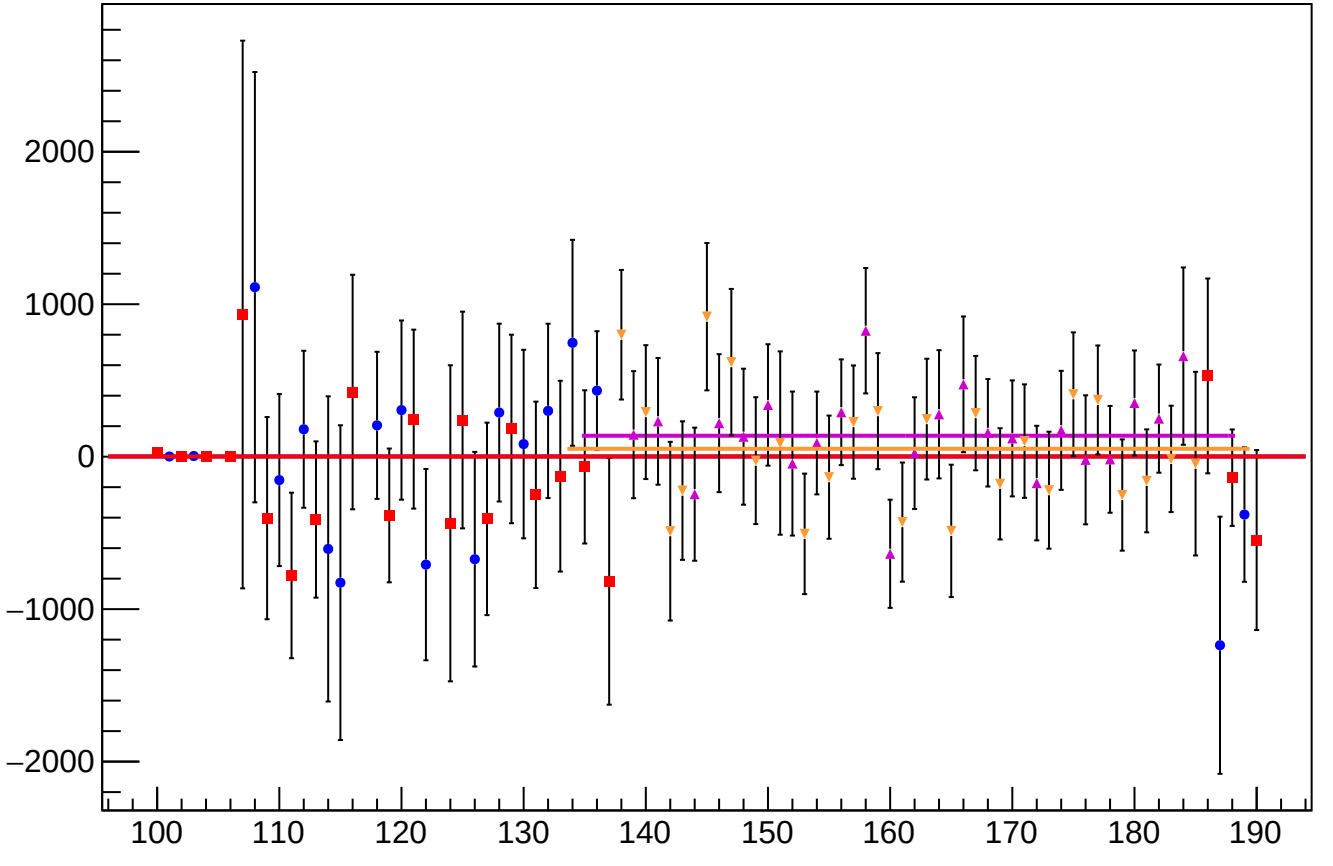
Right: 196.908+/-0.040 χ^2/NDF: 8990823.9/39

In: 196.051+/-0.029 χ^2/NDF:5303716.6/40

Out: 200.967+/-0.029 χ^2/NDF:6891974.5/46

All: 198.526+/-0.020 χ^2/NDF: 12210094.5/87

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.445+/-1.660 χ^2/NDF: 10.8/17

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.090+/-1.528 χ^2/NDF: 10.9/21

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

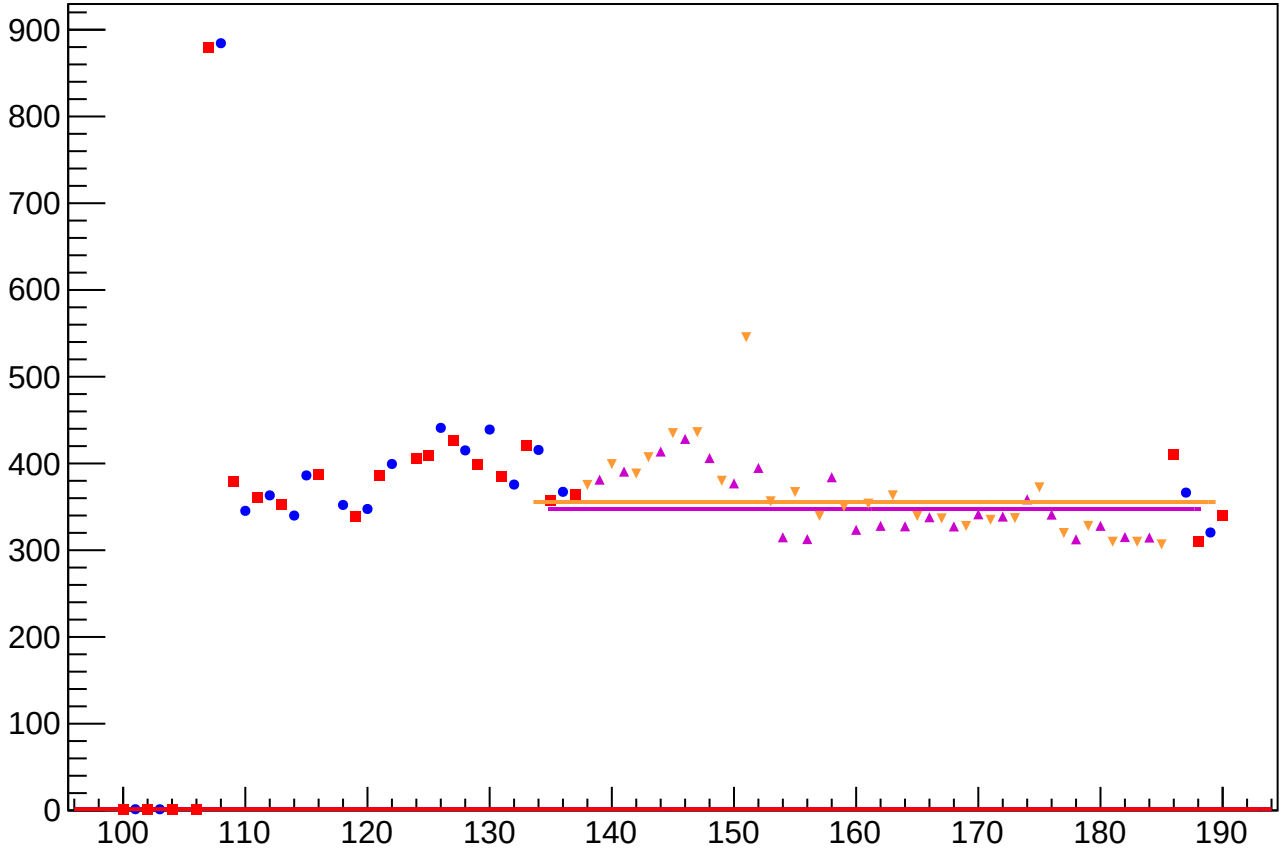
Right: 1.253+/-1.124 χ^2/NDF: 21.7/39

In: 1.501+/-1.660 χ^2/NDF:25.7/40

Out: 1.107+/-1.528 χ^2/NDF:30.7/46

All: 1.288+/-1.124 χ^2/NDF: 56.4/87

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.476+/-0.001 χ^2/NDF: 13156317.2/17

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.479+/-0.001 χ^2/NDF: 14645596.4/21

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

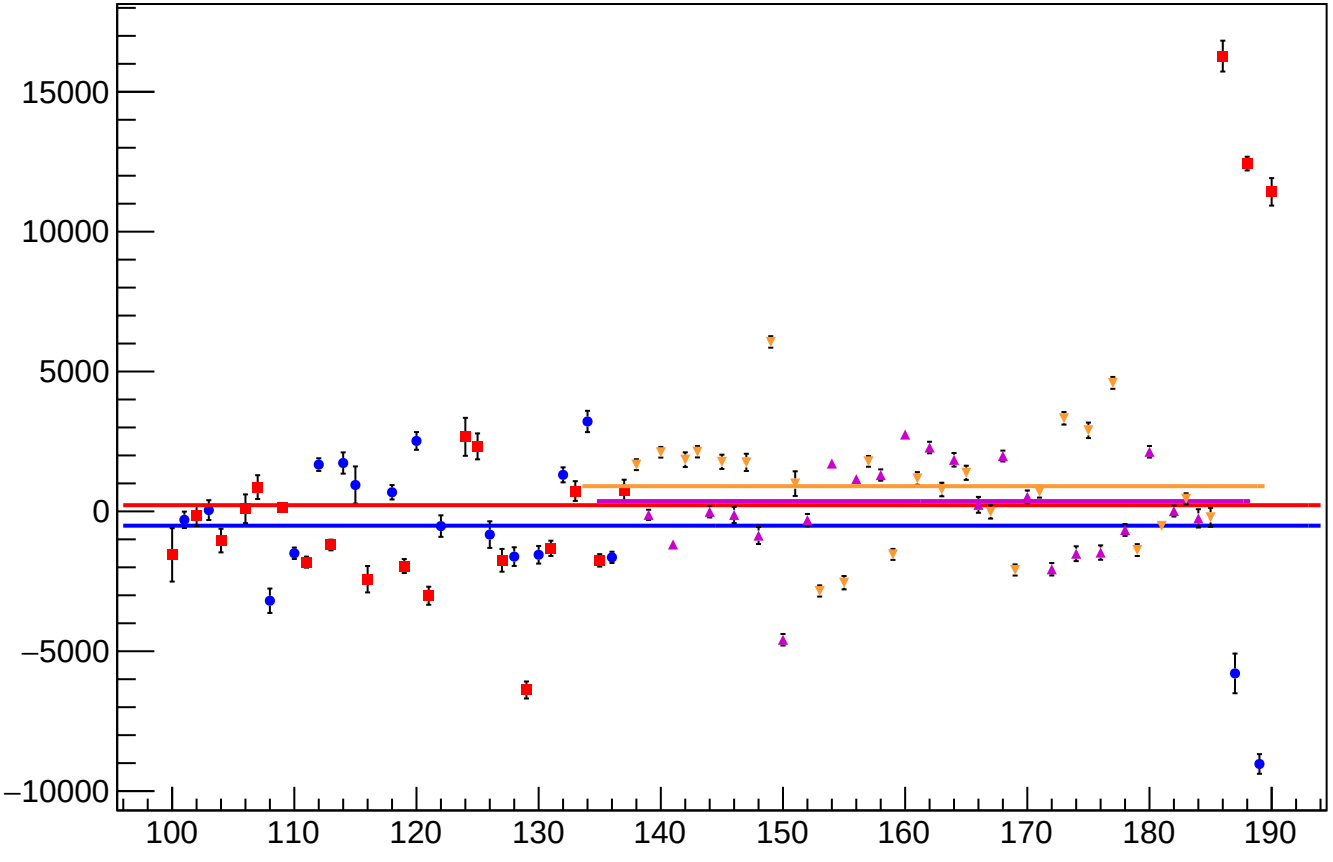
Right: 1.478+/-0.001 χ^2/NDF: 27801916.8/39

In: 1.617+/-0.001 χ^2/NDF:49000374.1/40

Out: 1.603+/-0.001 χ^2/NDF:52855382.8/46

All: 1.610+/-0.001 χ^2/NDF: 101855838.0/87

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -511.196+/-72.861 χ^2/NDF: 1148.6/17

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 221.402+/-65.379 χ^2/NDF: 4874.7/21

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

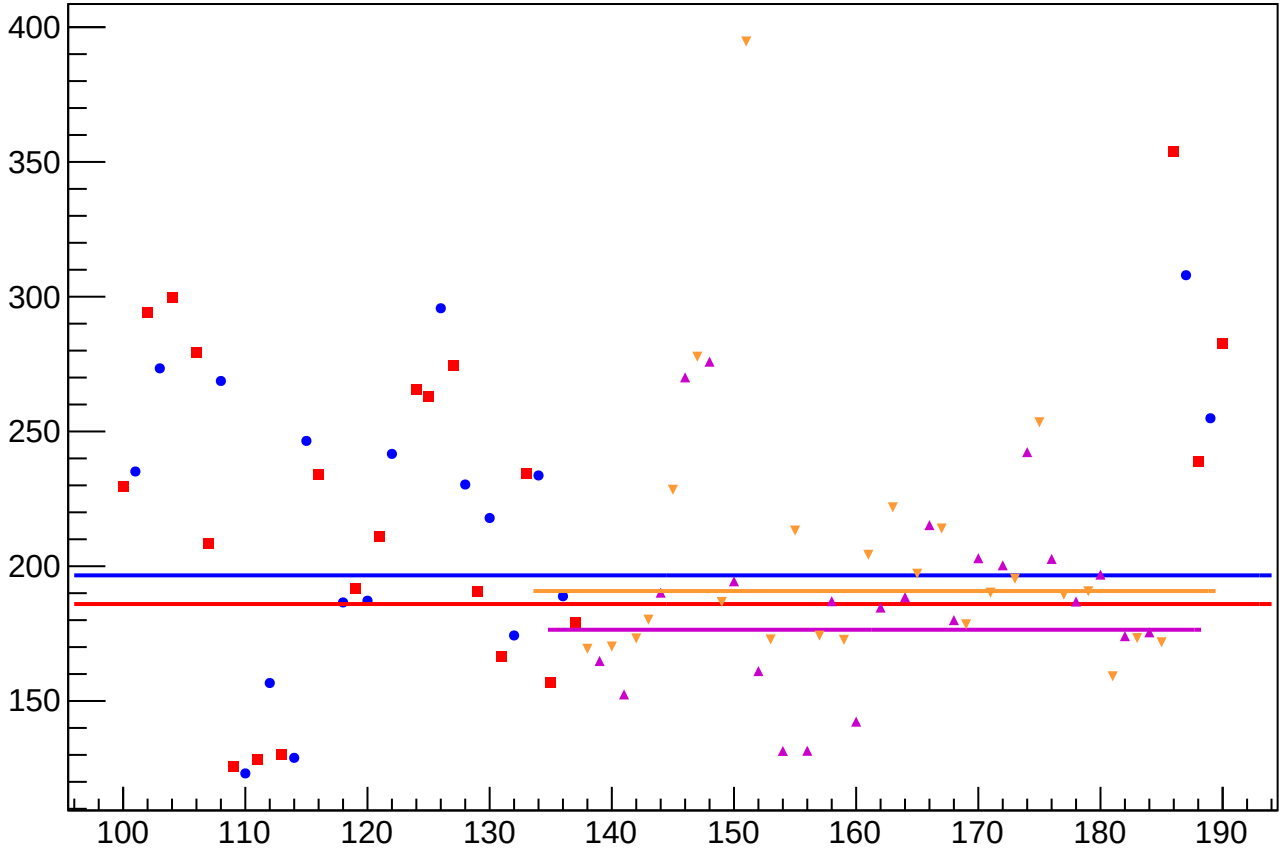
Right: -105.362+/-48.661 χ^2/NDF: 6079.4/39

In: 143.425+/-36.839 χ^2/NDF:2850.1/40

Out: 686.287+/-36.776 χ^2/NDF:7359.6/46

All: 415.321+/-26.027 χ^2/NDF: 10318.5/87

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 196.611+/-0.052 χ^2/NDF: 868932.8/17

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 185.973+/-0.046 χ^2/NDF: 1613571.3/21

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

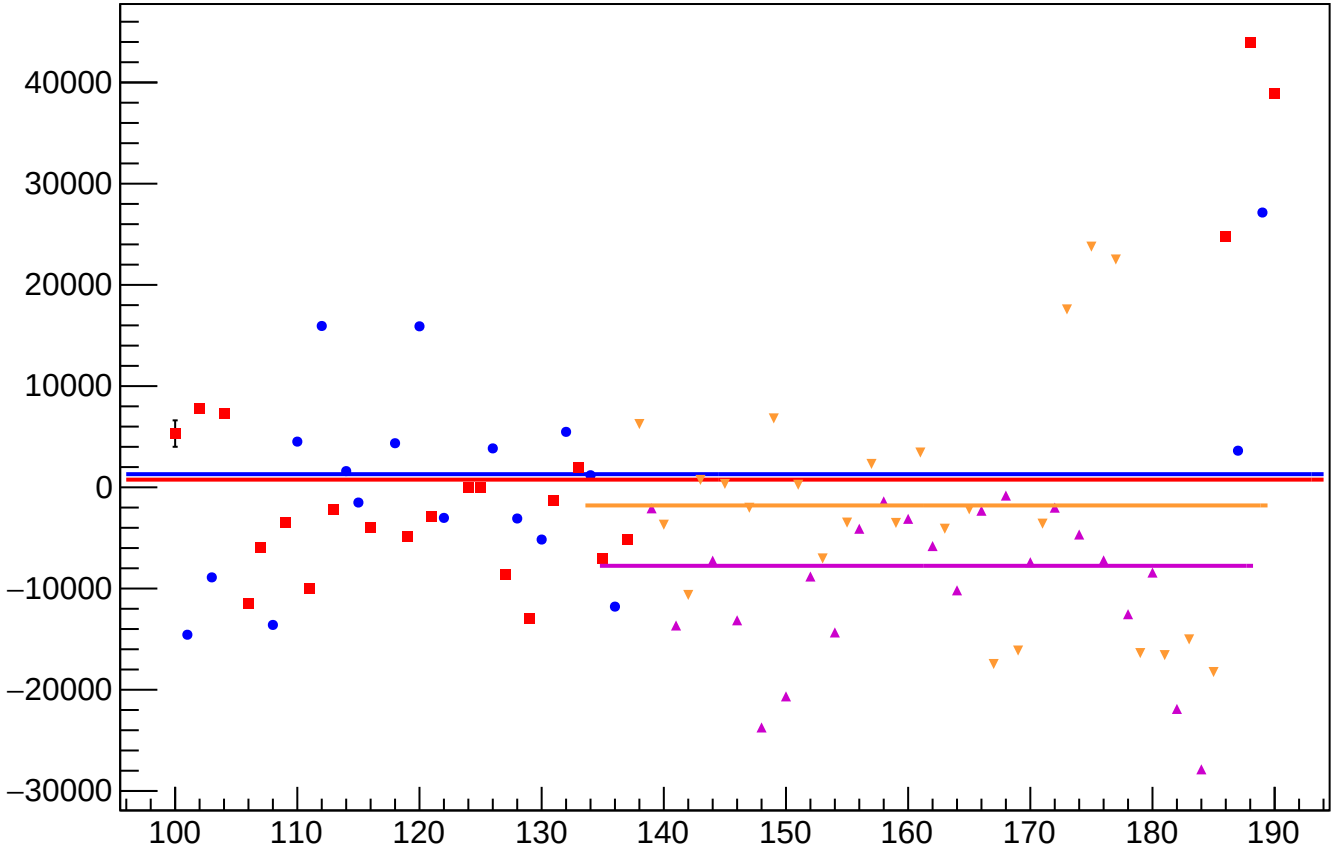
Right: 190.718+/-0.034 χ^2/NDF: 2506121.2/39

In: 181.590+/-0.026 χ^2/NDF:2240789.4/40

Out: 189.273+/-0.026 χ^2/NDF:2640624.3/46

All: 185.438+/-0.018 χ^2/NDF: 4924985.4/87

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 1299.336+/-52.520 χ^2/NDF: 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 759.967+/-48.694 χ^2/NDF: 97767.8/21

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

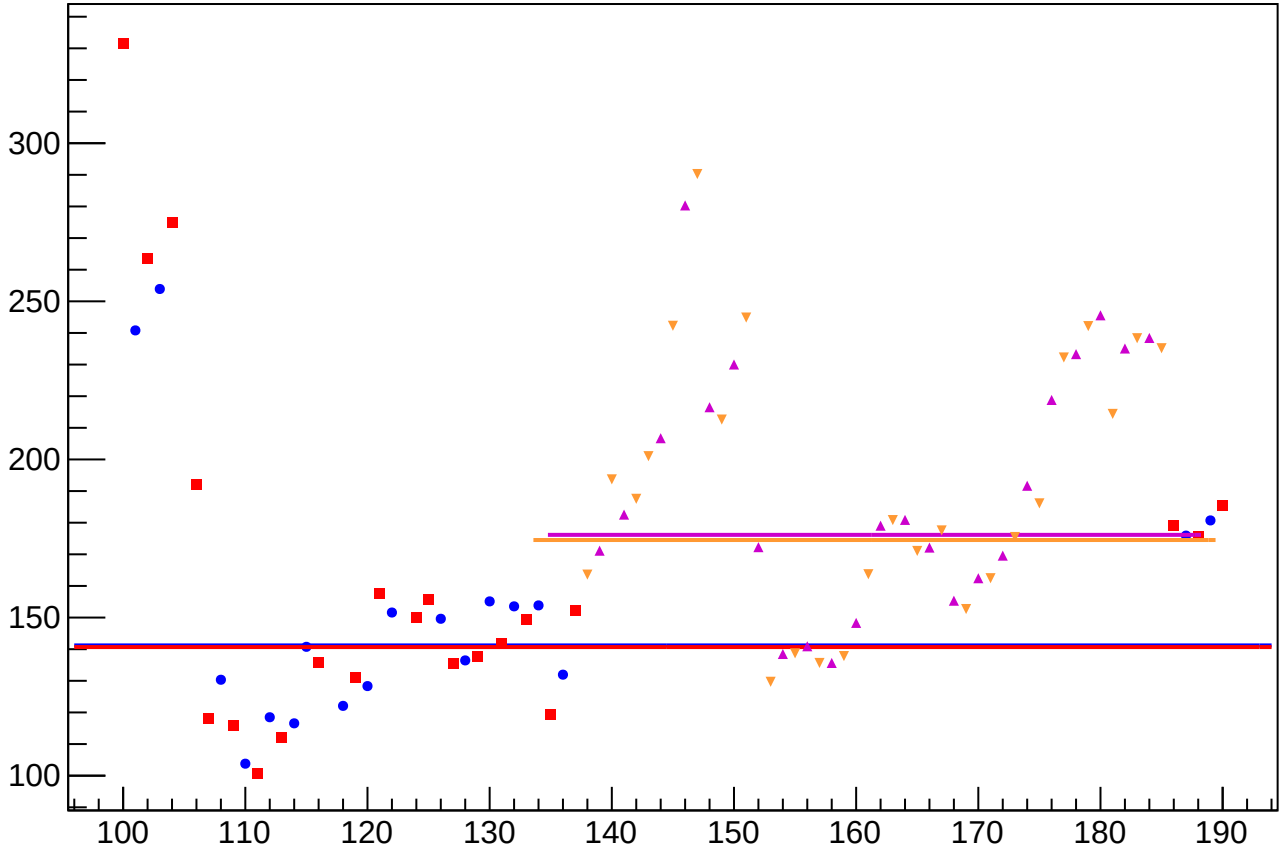
Right: 1009.295+/-35.708 χ^2/NDF: 139891.8/39

In: -4164.544+/-33.071 χ^2/NDF:83279.6/40

Out: -735.055+/-31.323 χ^2/NDF:165121.7/46

All: -2356.755+/-22.742 χ^2/NDF: 254069.9/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 141.194+/-0.037 χ^2/NDF: 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 140.670+/-0.034 χ^2/NDF: 1063140.3/21

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

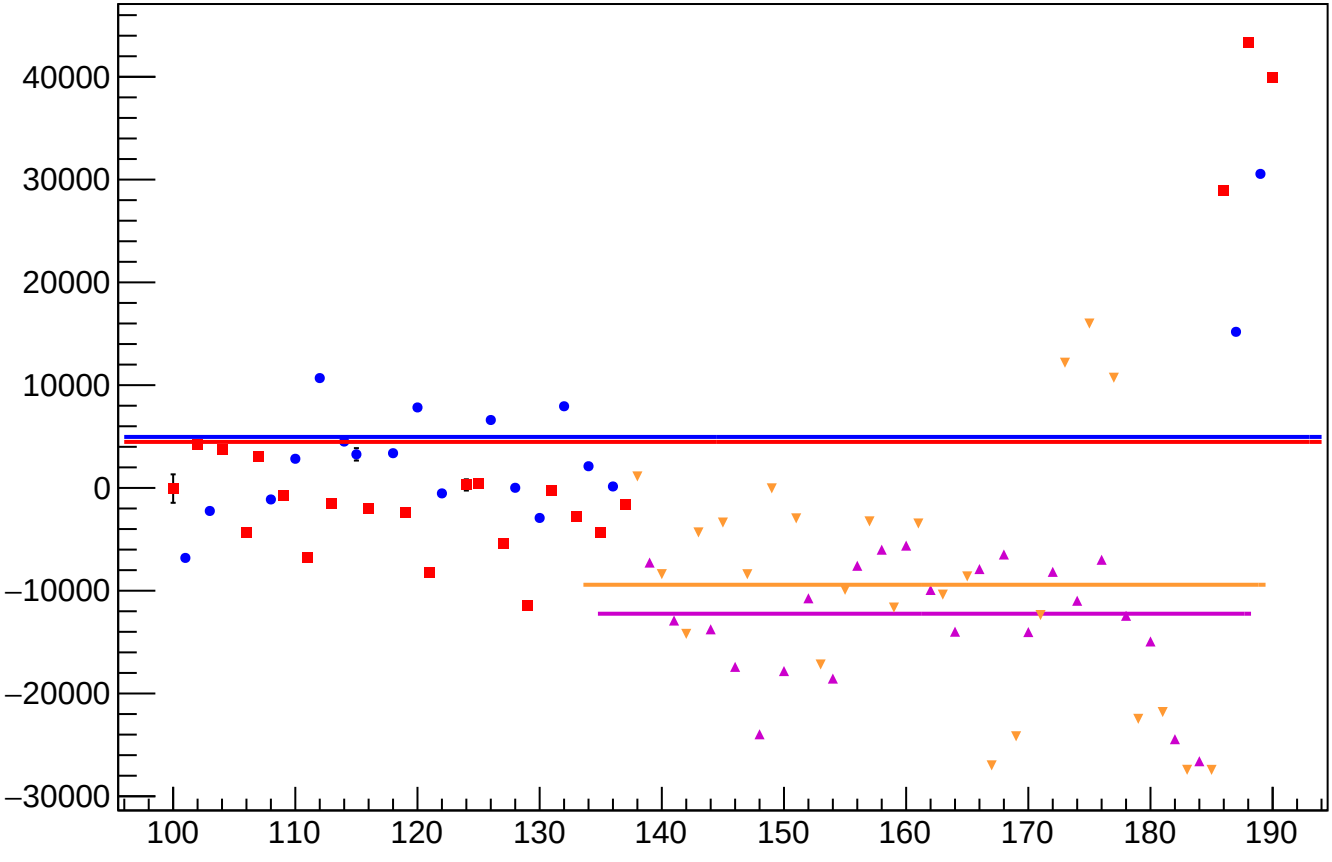
Right: 140.912+/-0.025 χ^2/NDF: 1789983.7/39

In: 162.292+/-0.023 χ^2/NDF:2628633.4/40

Out: 160.514+/-0.022 χ^2/NDF:3289179.2/46

All: 161.355+/-0.016 χ^2/NDF: 5920859.7/87

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 4962.812+/-65.992 χ^2/NDF: 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 4478.347+/-59.189 χ^2/NDF: 80042.8/21

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

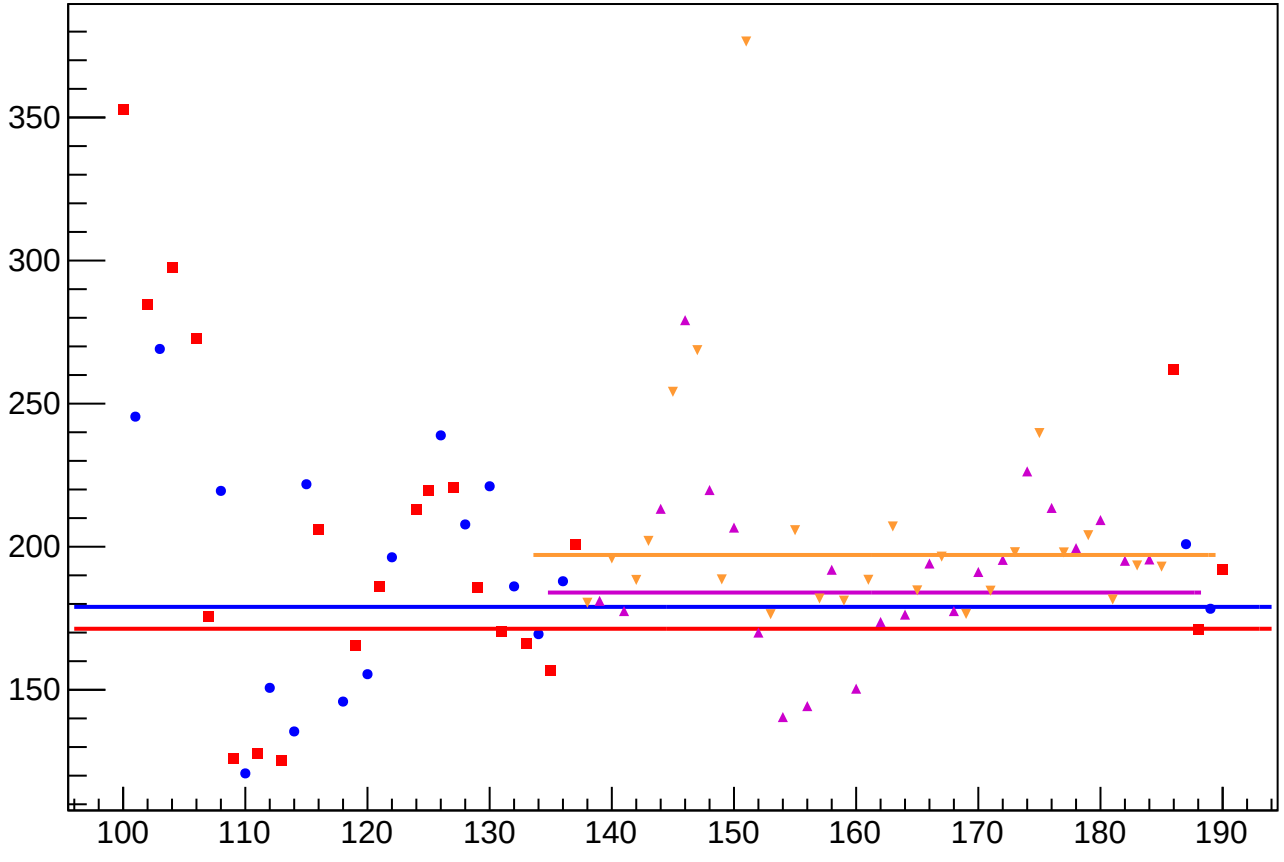
Right: 4694.327+/-44.062 χ^2/NDF: 96489.0/39

In: -6912.574+/-36.721 χ^2/NDF:79338.2/40

Out: -4229.489+/-36.172 χ^2/NDF:179308.1/46

All: -5550.809+/-25.769 χ^2/NDF: 261355.9/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.979+/-0.047 χ^2/NDF: 679142.2/17

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 171.332+/-0.042 χ^2/NDF: 1089449.9/21

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

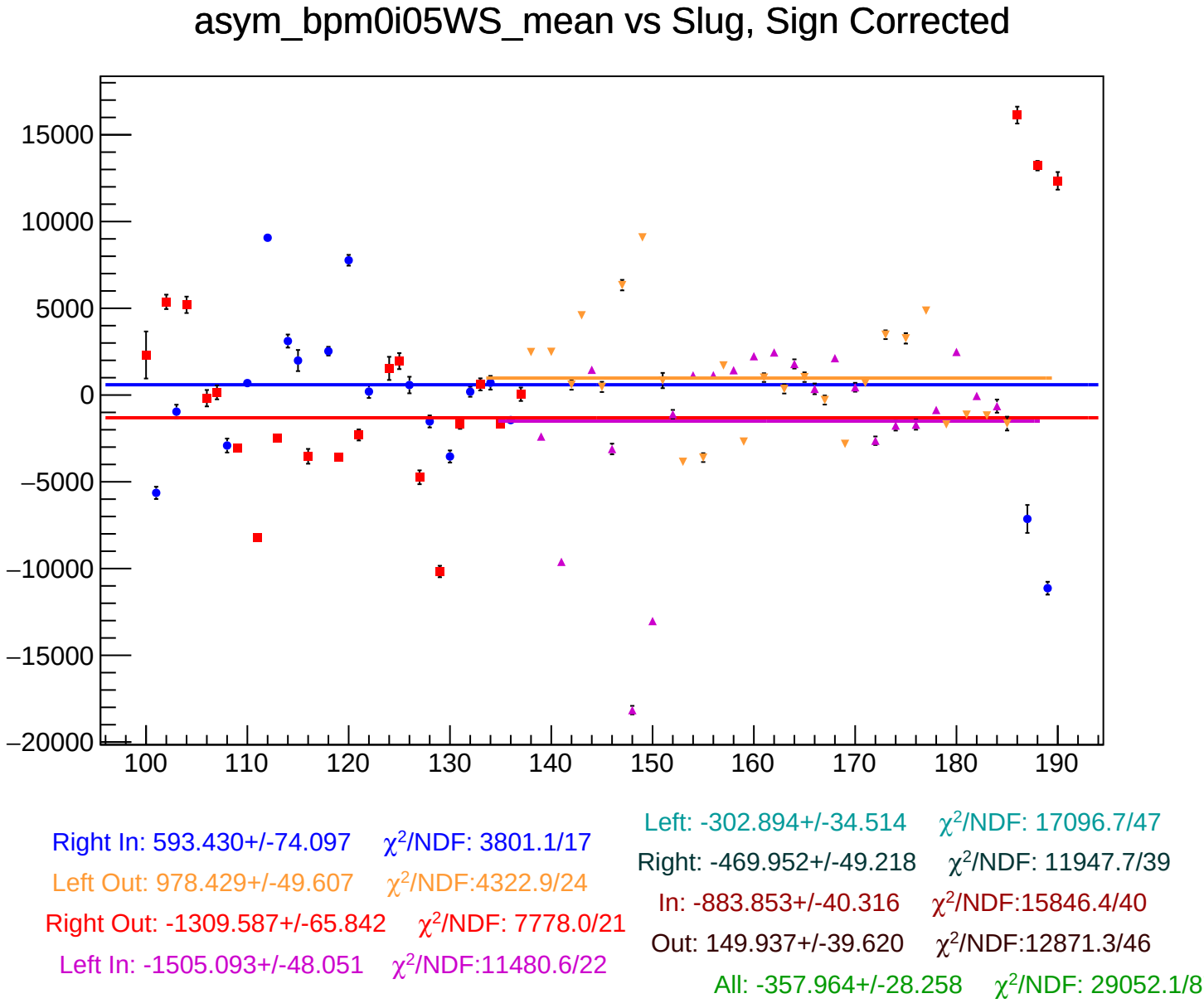
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.741+/-0.031 χ^2/NDF: 1783477.2/39

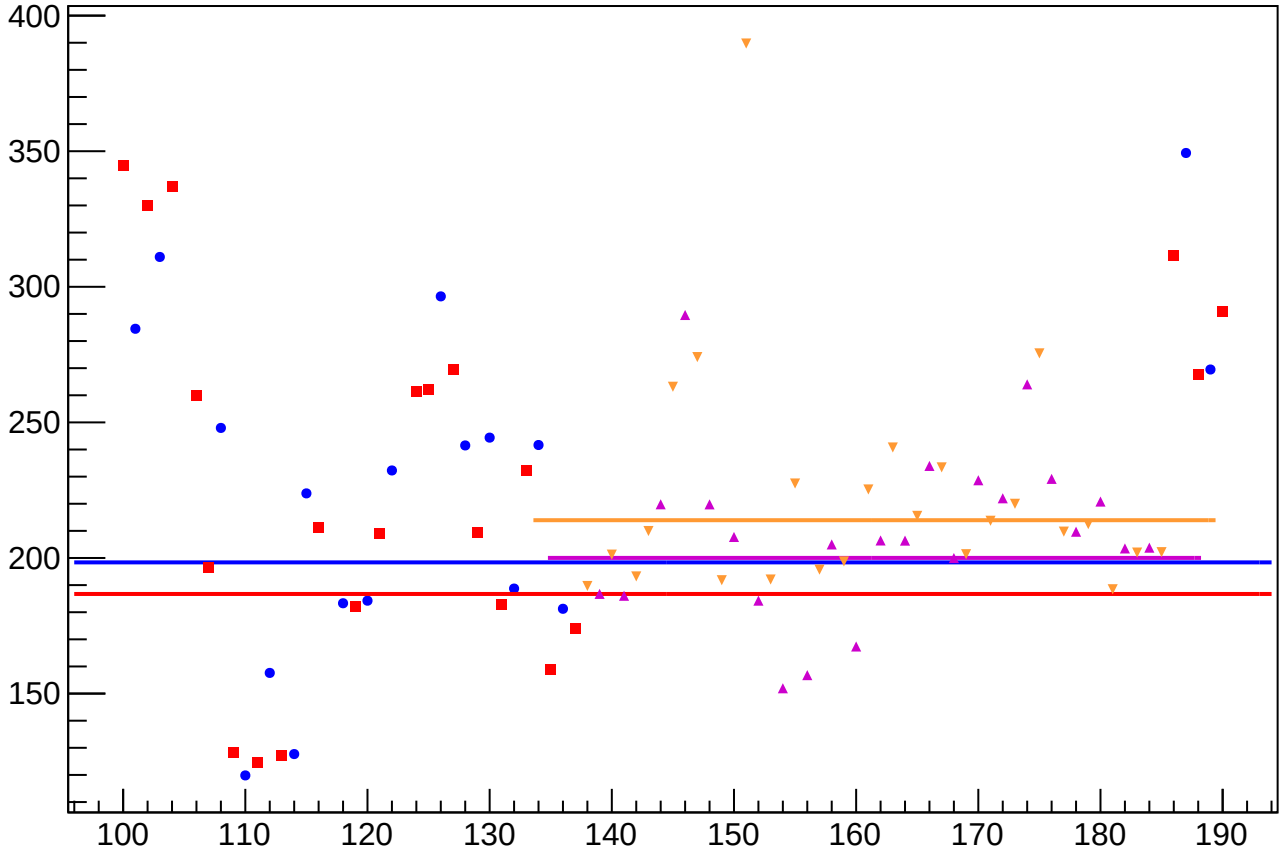
In: 182.435+/-0.026 χ^2/NDF:1516865.7/40

Out: 187.490+/-0.026 χ^2/NDF:2059891.1/46

All: 185.001+/-0.018 χ^2/NDF: 3595992.1/87


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 593.430+/-74.097 χ²/NDF: 3801.1/17
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -1309.587+/-65.842 χ²/NDF: 7778.0/21
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -469.952+/-49.218 χ²/NDF: 11947.7/39
In: -883.853+/-40.316 χ²/NDF:15846.4/40
Out: 149.937+/-39.620 χ²/NDF:12871.3/46
All: -357.964+/-28.258 χ²/NDF: 29052.1/87

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.378+/-0.052 χ^2/NDF: 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 186.731+/-0.047 χ^2/NDF: 1788390.8/21

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

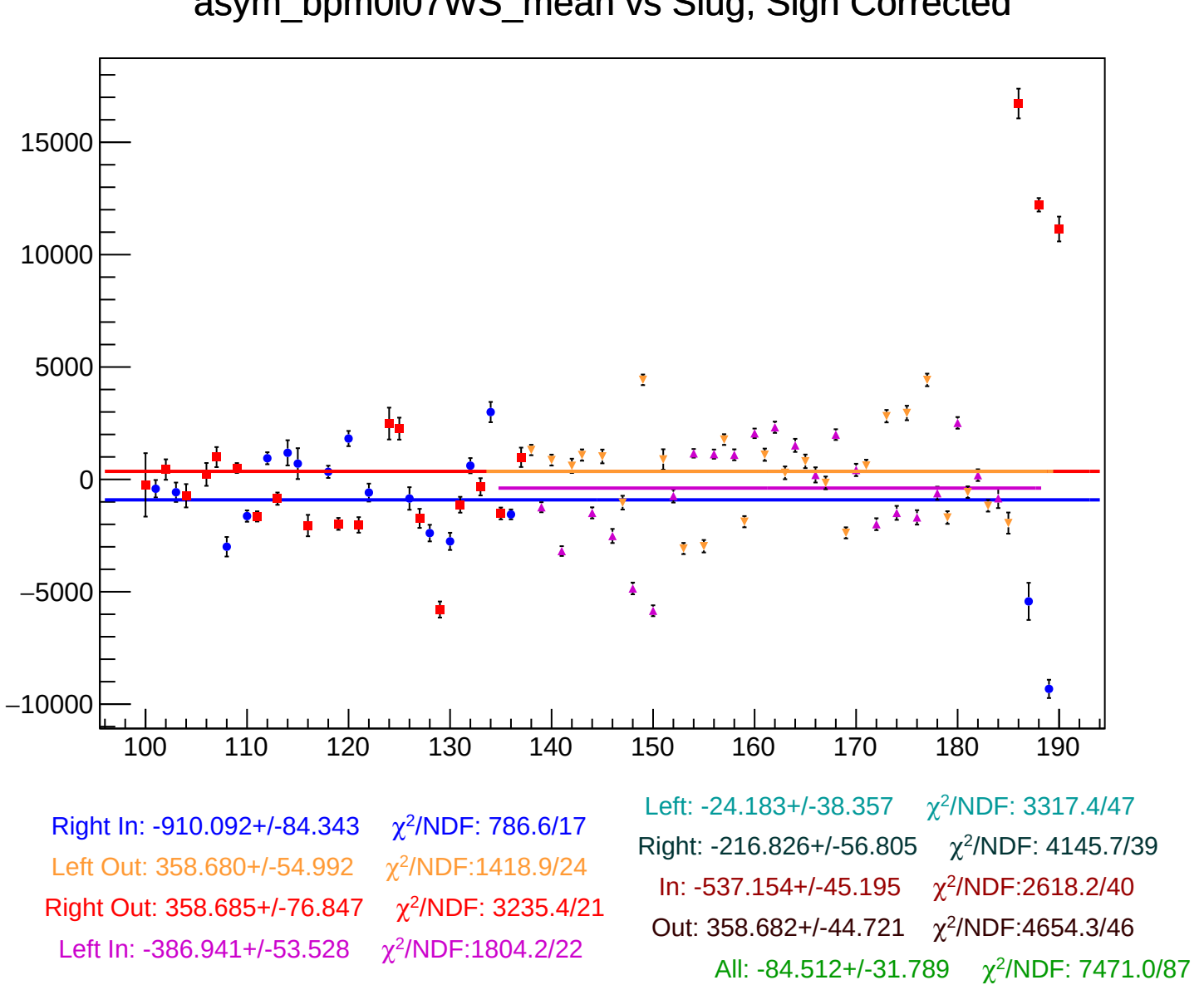
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 191.870+/-0.035 χ^2/NDF: 2932131.3/39

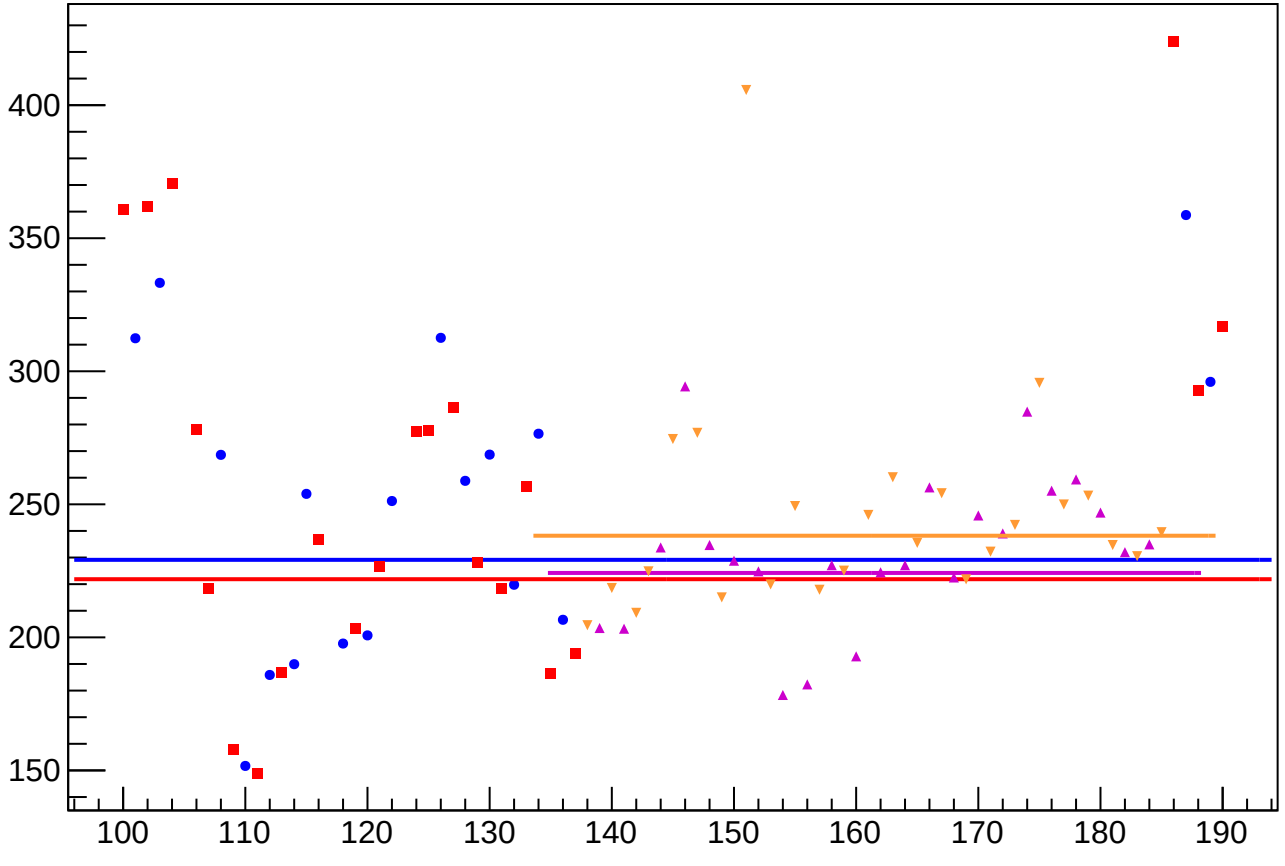
In: 199.541+/-0.029 χ^2/NDF:1902351.9/40

Out: 204.082+/-0.028 χ^2/NDF:2739758.3/46

All: 201.851+/-0.020 χ^2/NDF: 4655014.8/87


asym_bpm0i07WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -910.092+/-84.343 χ²/NDF: 786.6/17
Left Out: 358.680+/-54.992 χ²/NDF:1418.9/24
Right Out: 358.685+/-76.847 χ²/NDF: 3235.4/21
Left In: -386.941+/-53.528 χ²/NDF:1804.2/22
Left: -24.183+/-38.357 χ²/NDF: 3317.4/47
Right: -216.826+/-56.805 χ²/NDF: 4145.7/39
In: -537.154+/-45.195 χ²/NDF:2618.2/40
Out: 358.682+/-44.721 χ²/NDF:4654.3/46
All: -84.512+/-31.789 χ²/NDF: 7471.0/87

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 229.138+/-0.060 χ^2/NDF: 761567.8/17

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 221.858+/-0.054 χ^2/NDF: 1323723.9/21

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

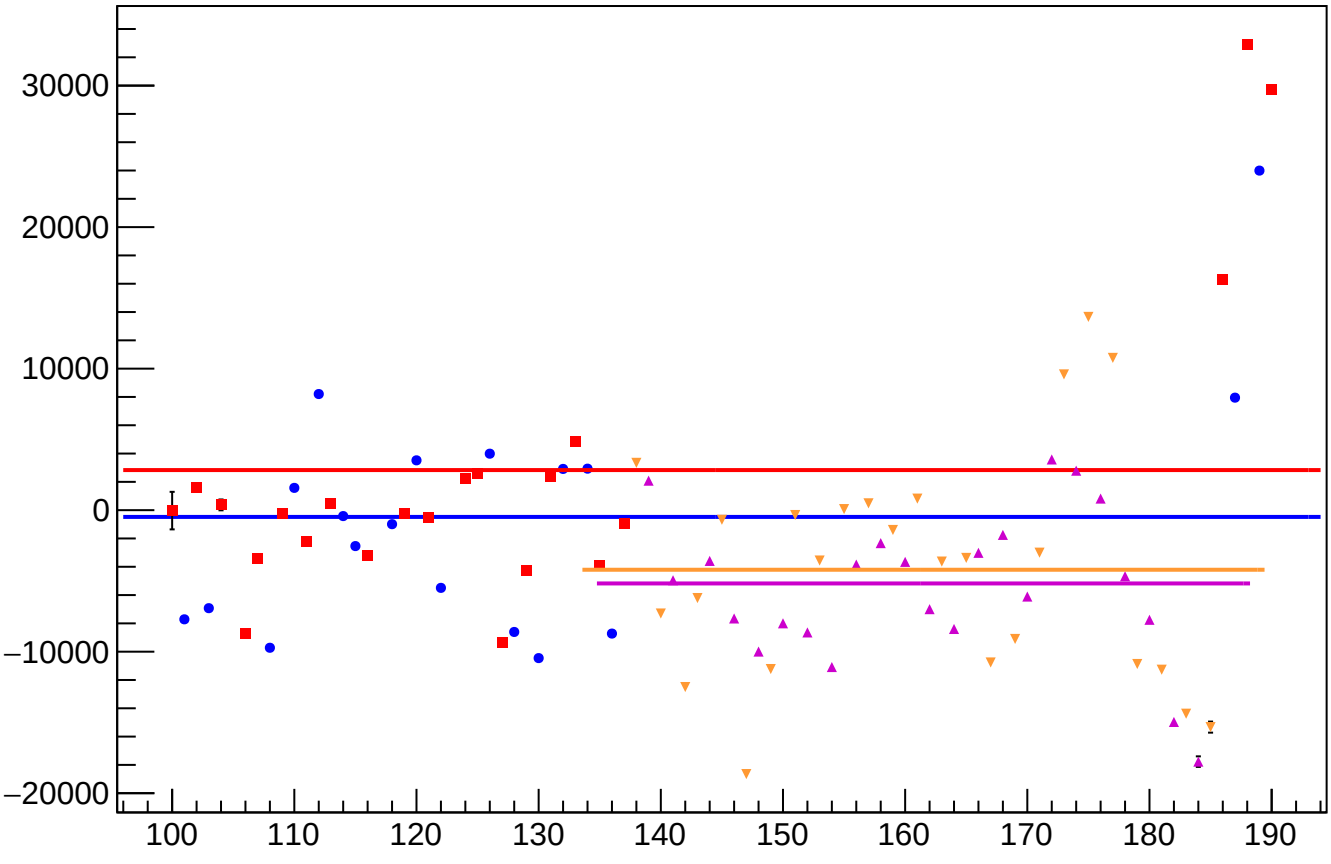
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 225.160+/-0.040 χ^2/NDF: 2093432.8/39

In: 225.626+/-0.032 χ^2/NDF:1329662.4/40

Out: 232.665+/-0.032 χ^2/NDF:1951466.9/46

All: 229.183+/-0.022 χ^2/NDF: 3305641.3/87



Right In: -477.369+/-45.003 χ^2/NDF: 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 2832.730+/-41.414 χ^2/NDF: 73949.2/21

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

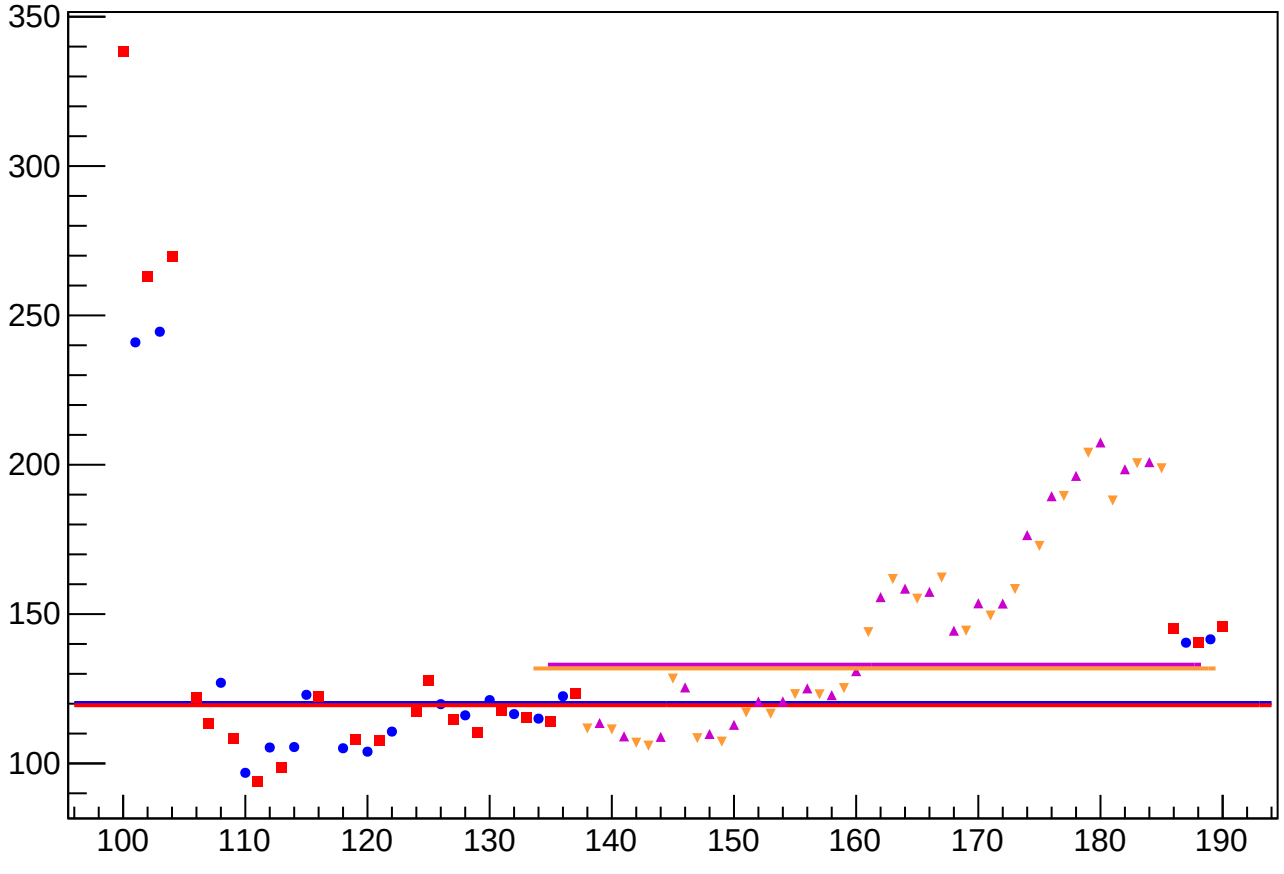
Right: 1314.915+/-30.474 χ^2/NDF: 111024.2/39

In: -3601.619+/-26.063 χ^2/NDF:59938.5/40

Out: -1699.346+/-24.729 χ^2/NDF:149362.9/46

All: -2600.574+/-17.939 χ^2/NDF: 212104.9/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 120.232+/-0.032 χ^2/NDF: 768129.0/17

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 119.498+/-0.029 χ^2/NDF: 968434.2/21

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

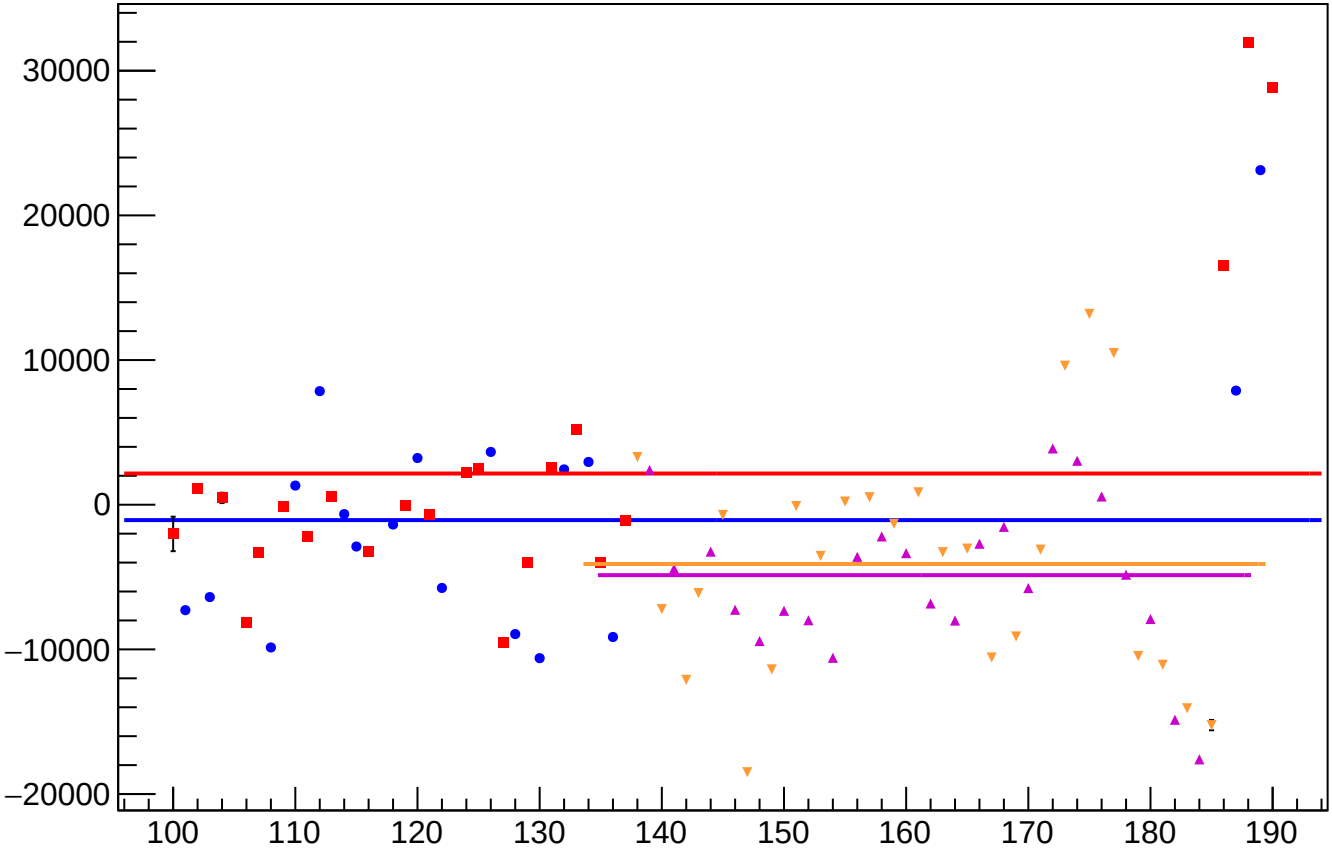
Right: 119.834+/-0.022 χ^2/NDF: 1736850.8/39

In: 128.758+/-0.018 χ^2/NDF:2294409.9/40

Out: 127.412+/-0.017 χ^2/NDF:2626277.6/46

All: 128.050+/-0.013 χ^2/NDF: 4923495.0/87

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -1063.582+/-39.524 χ^2/NDF: 39406.1/17

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 2156.337+/-36.879 χ^2/NDF: 78838.2/21

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

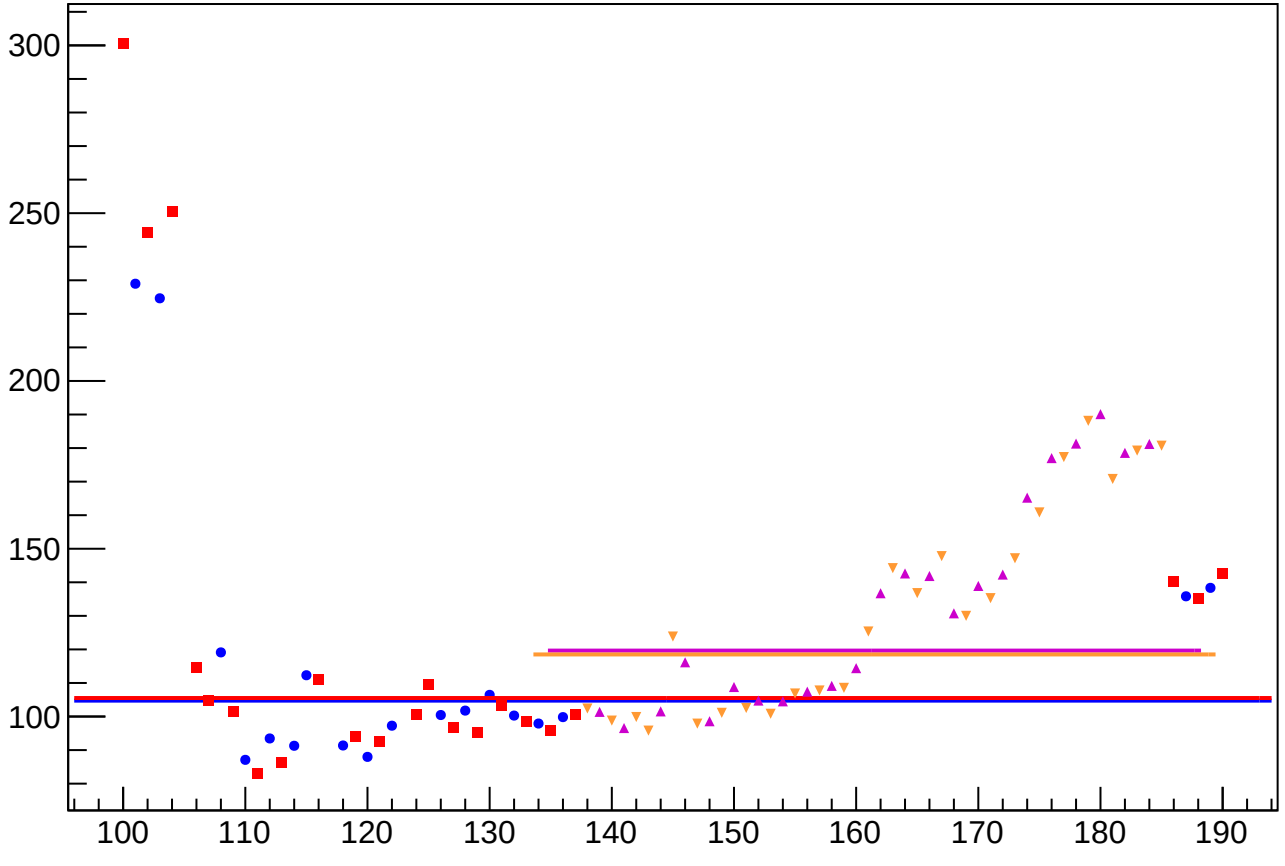
Right: 657.695+/-26.964 χ^2/NDF: 121792.2/39

In: -3549.163+/-23.281 χ^2/NDF:67375.8/40

Out: -1835.343+/-22.185 χ^2/NDF:163468.1/46

All: -2650.966+/-16.060 χ^2/NDF: 233684.0/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 104.741+/-0.028 χ^2/NDF: 912204.6/17

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 105.515+/-0.026 χ^2/NDF: 1143285.7/21

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

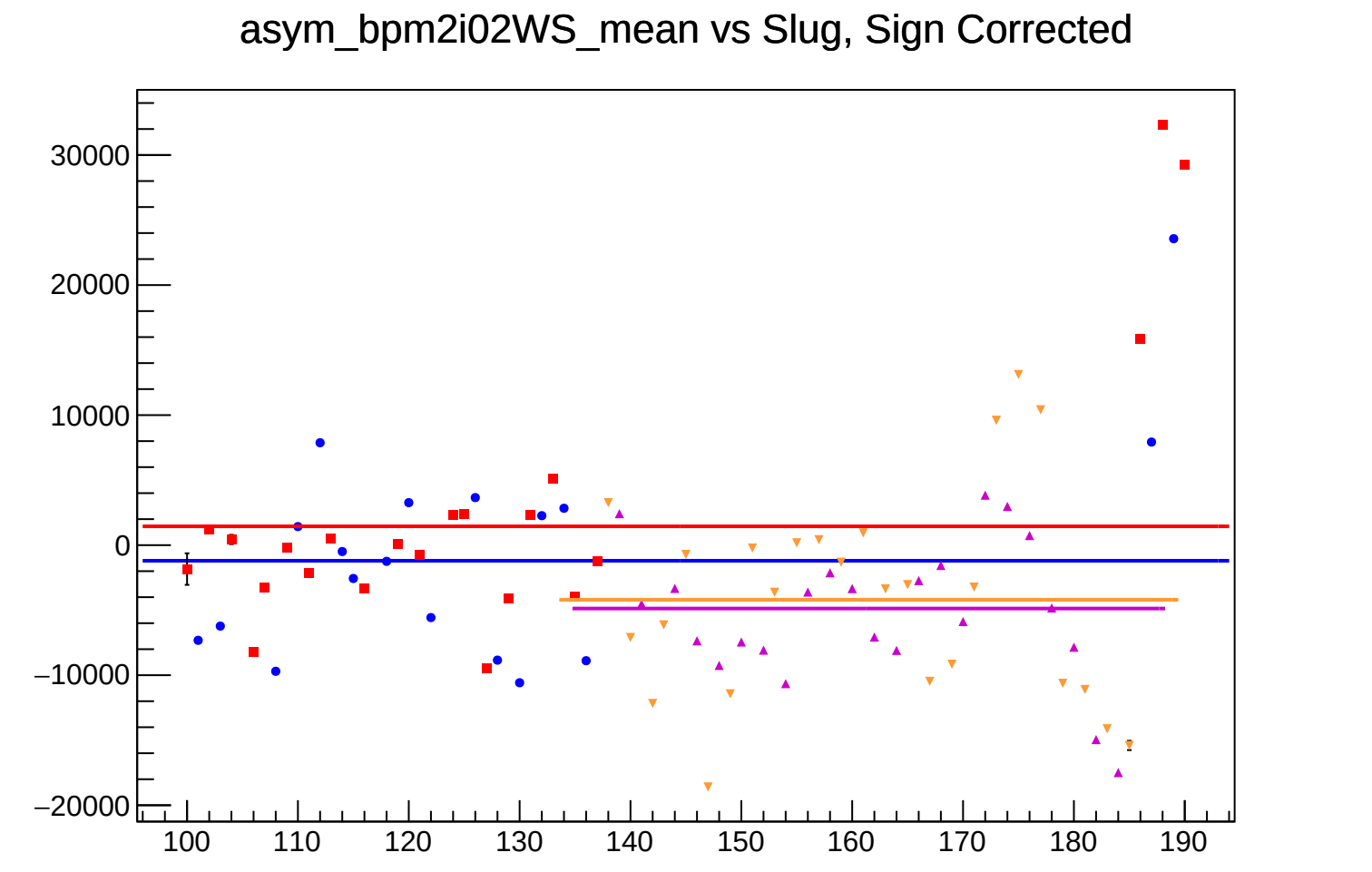
Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

Right: 105.155+/-0.019 χ^2/NDF: 2055899.6/39

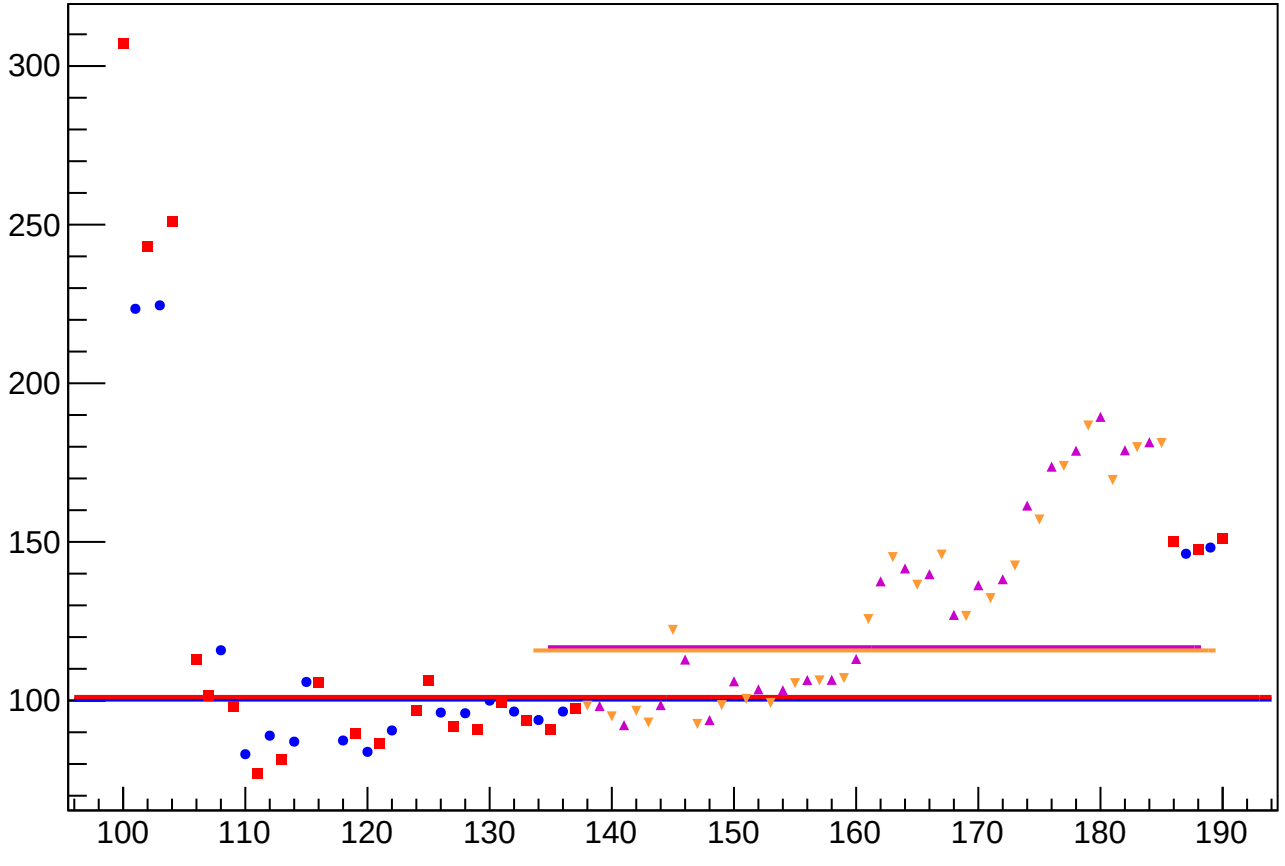
In: 114.474+/-0.016 χ^2/NDF:2610290.3/40

Out: 113.802+/-0.016 χ^2/NDF:2928690.9/46

All: 114.122+/-0.011 χ^2/NDF: 5539854.0/87


asym_bpm2i02WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -1198.514+/-38.105 χ²/NDF: 39036.8/17
Left Out: -4197.414+/-27.211 χ²/NDF:70415.4/24
Right Out: 1448.276+/-35.707 χ²/NDF: 71475.2/21
Left In: -4873.124+/-28.200 χ²/NDF:22923.8/22
Left: -4523.205+/-19.581 χ²/NDF: 93636.5/47
Right: 210.775+/-26.055 χ²/NDF: 113080.9/39
In: -3572.747+/-22.668 χ²/NDF:67969.2/40
Out: -2123.303+/-21.643 χ²/NDF:157705.6/46
All: -2814.509+/-15.654 χ²/NDF: 227813.6/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 100.295+/-0.027 χ^2/NDF: 1021736.3/17

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 101.141+/-0.025 χ^2/NDF: 1397075.3/21

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

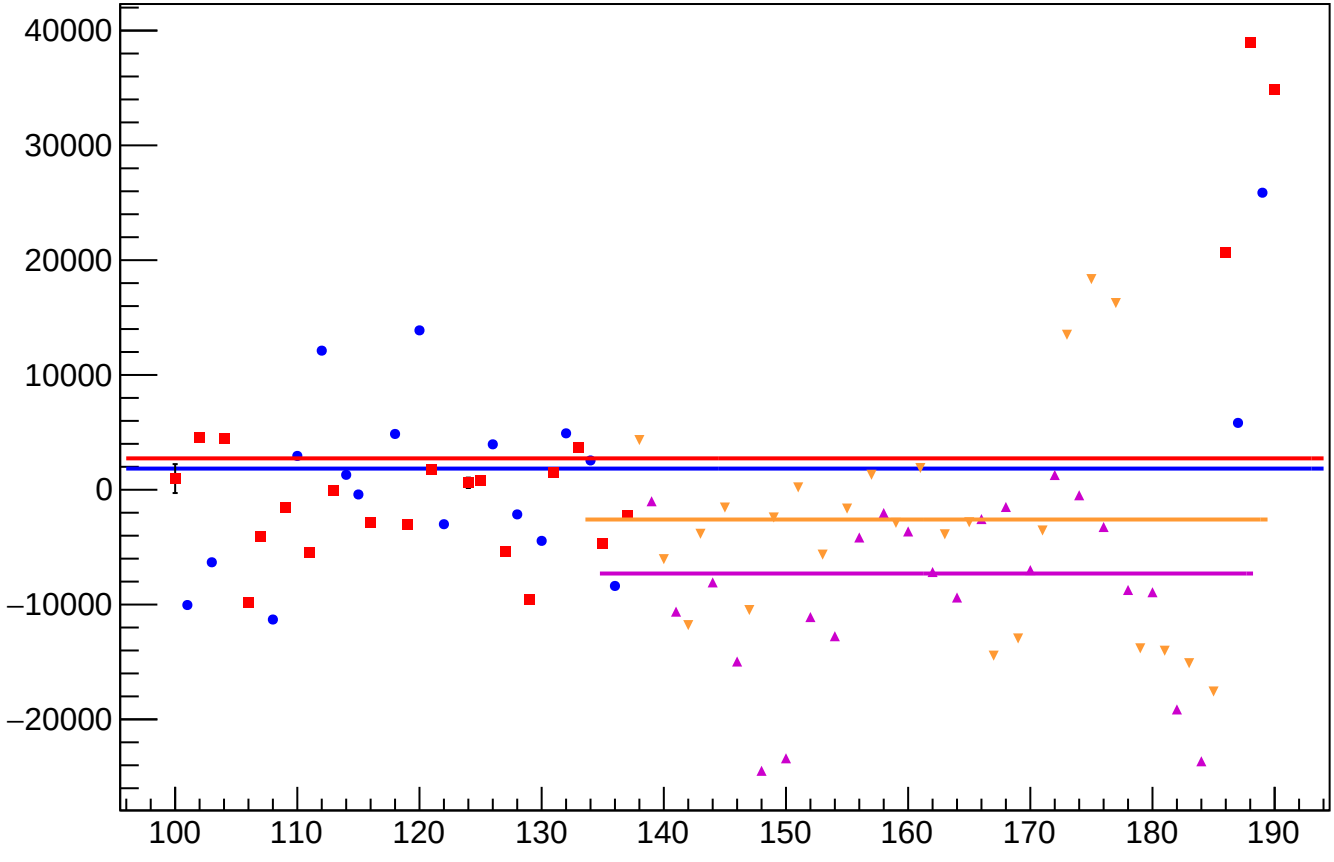
Right: 100.746+/-0.018 χ^2/NDF: 2419336.1/39

In: 110.965+/-0.016 χ^2/NDF:2882066.2/40

Out: 110.413+/-0.015 χ^2/NDF:3359282.4/46

All: 110.676+/-0.011 χ^2/NDF: 6241967.9/87

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 1844.529+/-53.015 χ^2/NDF: 29148.7/17

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 2734.719+/-49.691 χ^2/NDF: 69852.8/21

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

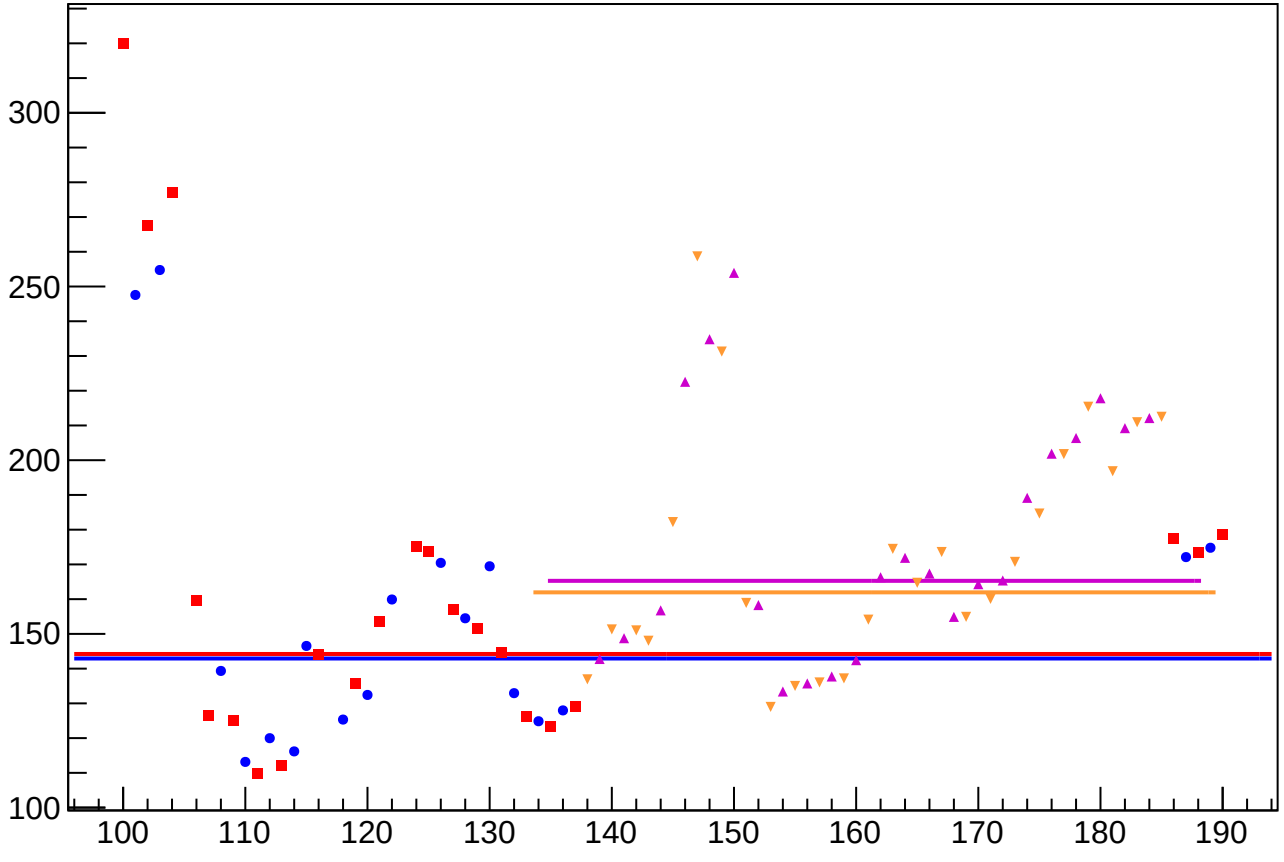
Right: 2318.401+/-36.255 χ^2/NDF: 99151.6/39

In: -4025.211+/-31.714 χ^2/NDF:72981.9/40

Out: -649.360+/-30.006 χ^2/NDF:125147.0/46

All: -2243.931+/-21.796 χ^2/NDF: 204107.8/8

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 142.915+/-0.037 χ^2/NDF: 724454.1/17

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 144.217+/-0.035 χ^2/NDF: 926480.5/21

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

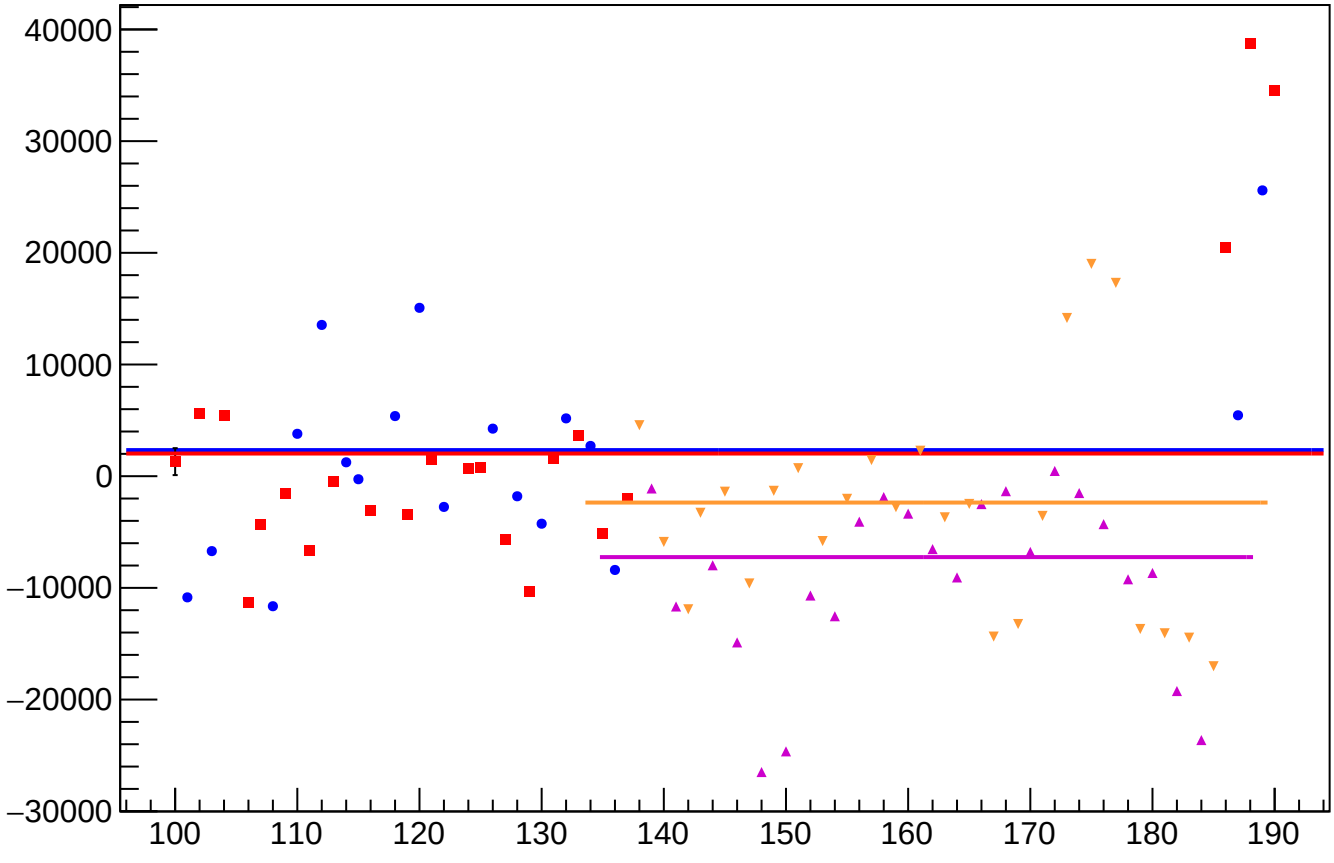
Right: 143.608+/-0.026 χ^2/NDF: 1651577.1/39

In: 157.272+/-0.022 χ^2/NDF:2131955.7/40

Out: 155.489+/-0.021 χ^2/NDF:2233239.7/46

All: 156.331+/-0.015 χ^2/NDF: 4368532.0/87

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 2336.469+/-44.487 χ^2/NDF: 43811.4/17

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 2028.611+/-41.354 χ^2/NDF: 97926.9/21

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

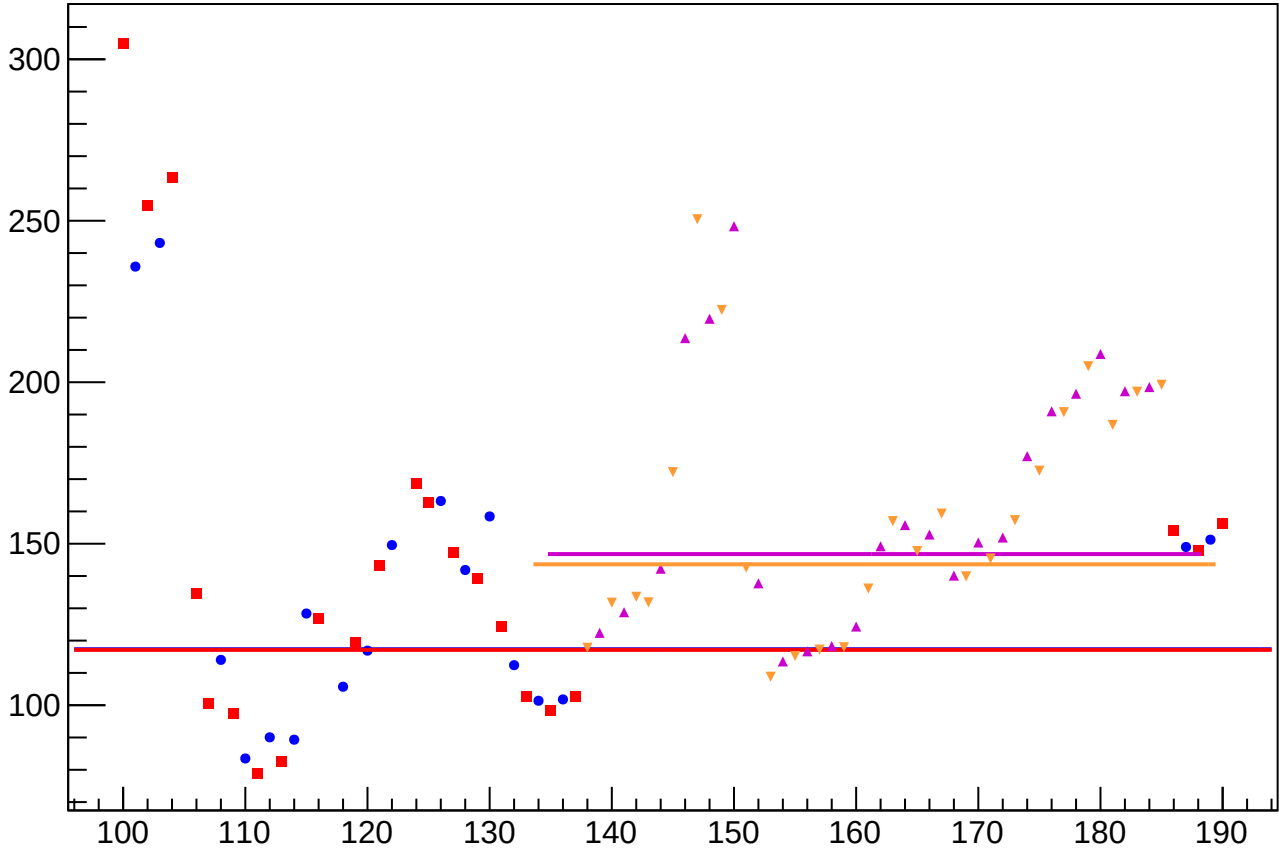
Right: 2171.318+/-30.289 χ^2/NDF: 141764.0/39

In: -3516.325+/-27.752 χ^2/NDF:102593.8/40

Out: -610.335+/-26.115 χ^2/NDF:163266.5/46

All: -1975.117+/-19.018 χ^2/NDF: 271675.7/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 117.322+/-0.031 χ^2/NDF: 1187001.9/17

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 117.146+/-0.029 χ^2/NDF: 1523728.6/21

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

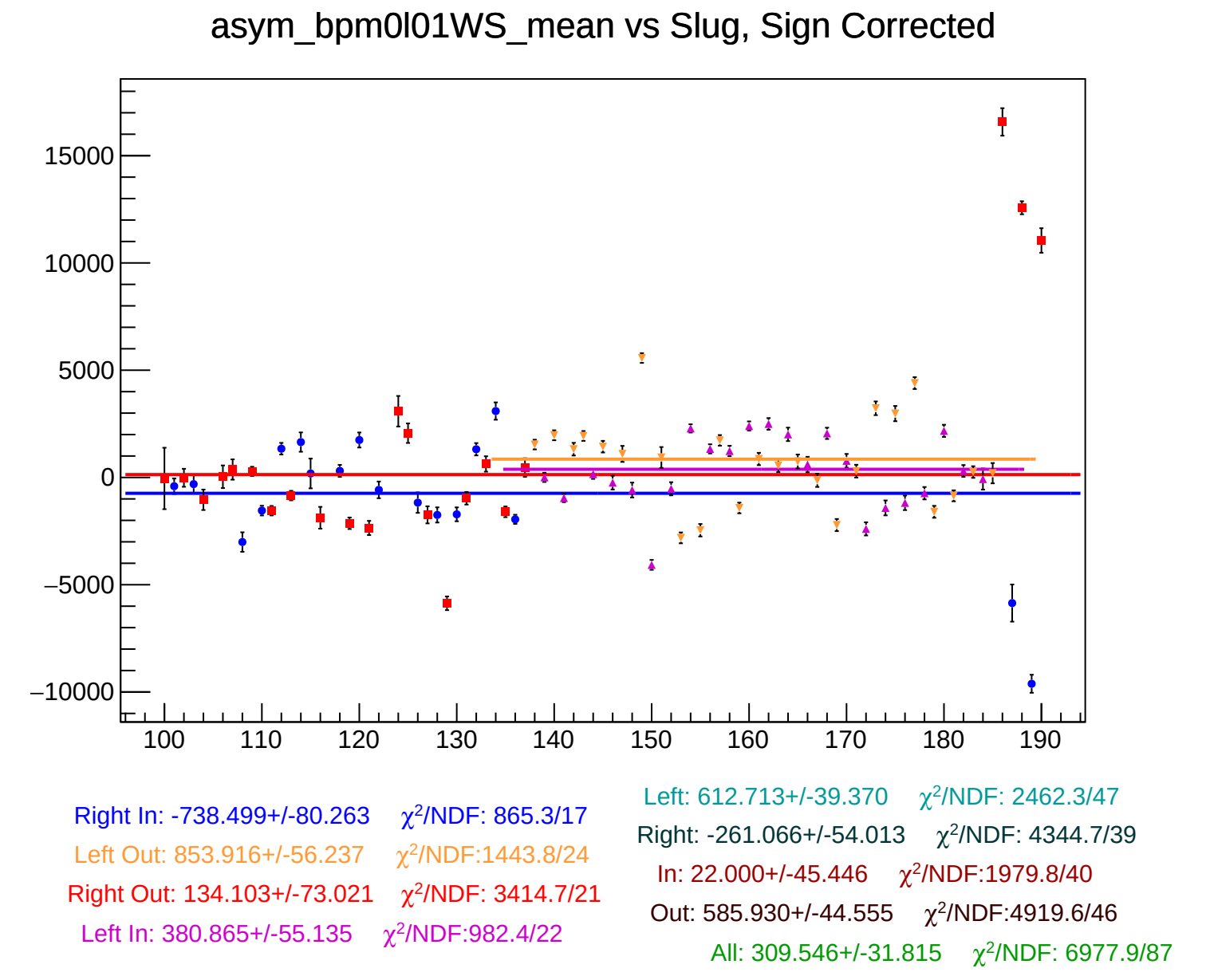
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 117.228+/-0.021 χ^2/NDF: 2710747.2/39

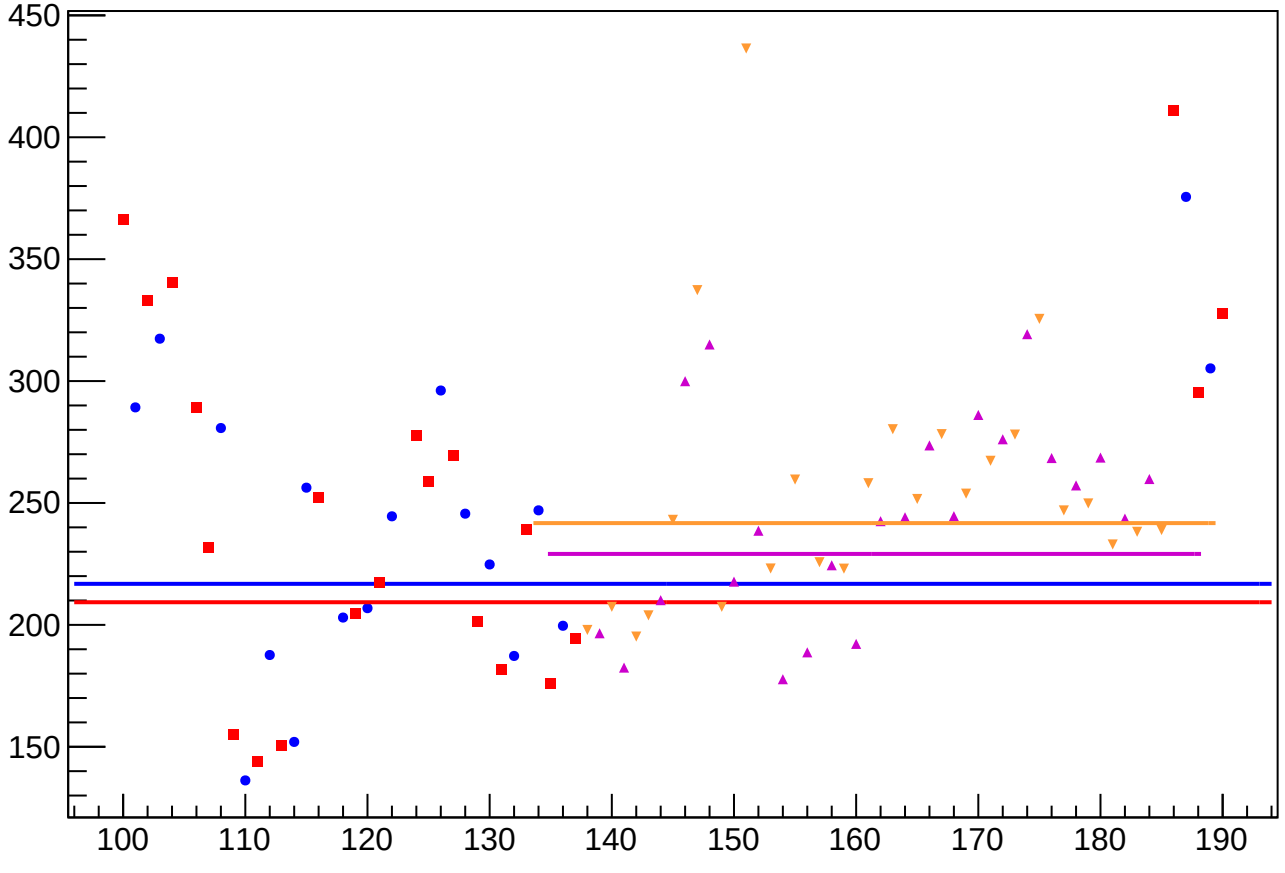
In: 135.325+/-0.020 χ^2/NDF:3417700.8/40

Out: 133.064+/-0.018 χ^2/NDF:3679408.6/46

All: 134.126+/-0.013 χ^2/NDF: 7104148.6/87


asym_bpm0l01WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -738.499+/-80.263 χ2/NDF: 865.3/17
Left Out: 853.916+/-56.237 χ2/NDF:1443.8/24
Right Out: 134.103+/-73.021 χ2/NDF: 3414.7/21
Left In: 380.865+/-55.135 χ2/NDF:982.4/22
Left: 612.713+/-39.370 χ2/NDF: 2462.3/47
Right: -261.066+/-54.013 χ2/NDF: 4344.7/39
In: 22.000+/-45.446 χ2/NDF:1979.8/40
Out: 585.930+/-44.555 χ2/NDF:4919.6/46
All: 309.546+/-31.815 χ2/NDF: 6977.9/87

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 216.834+/-0.057 χ^2/NDF: 852939.1/17

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 209.289+/-0.052 χ^2/NDF: 1458194.8/21

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

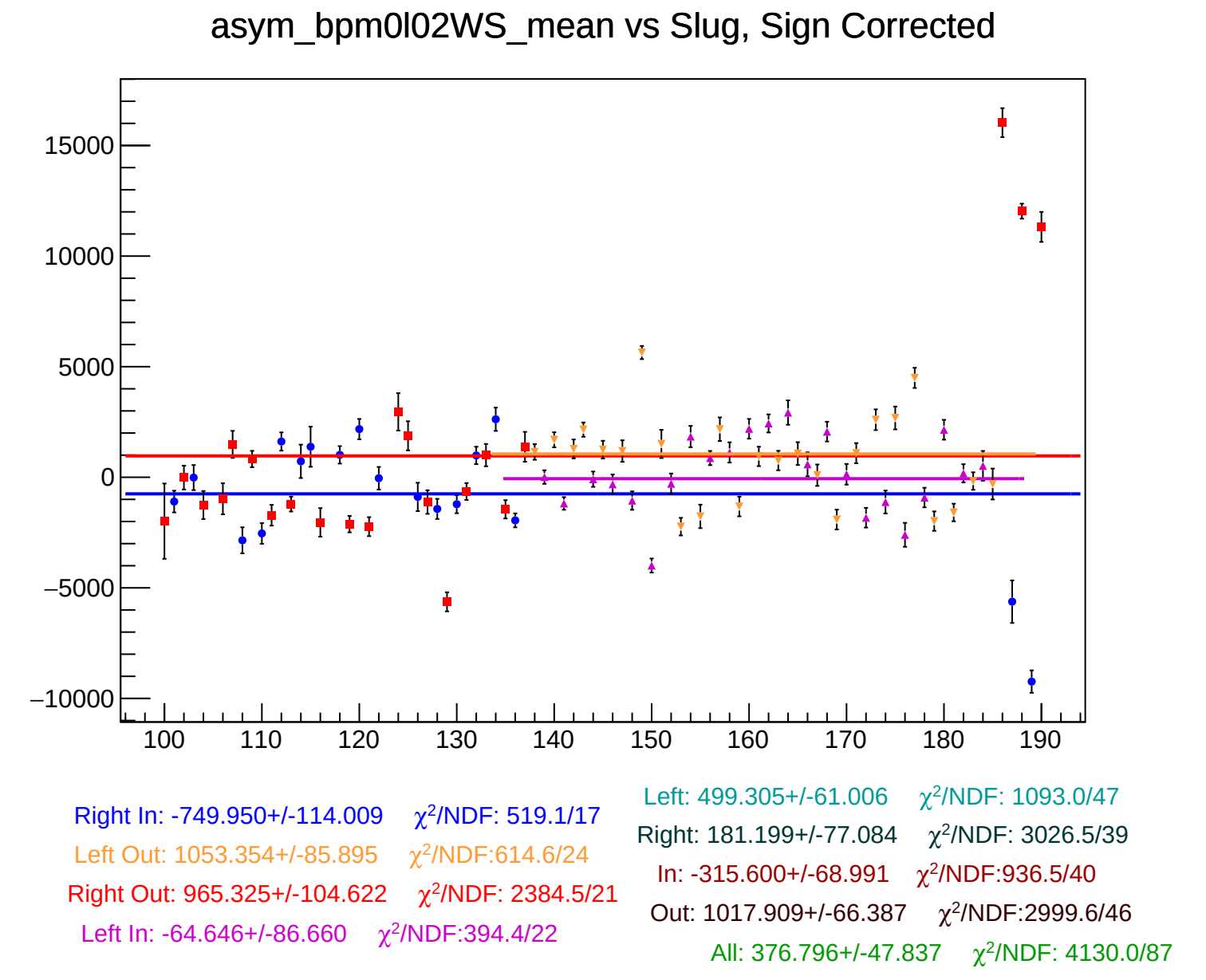
Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

Right: 212.706+/-0.038 χ^2/NDF: 2320804.8/39

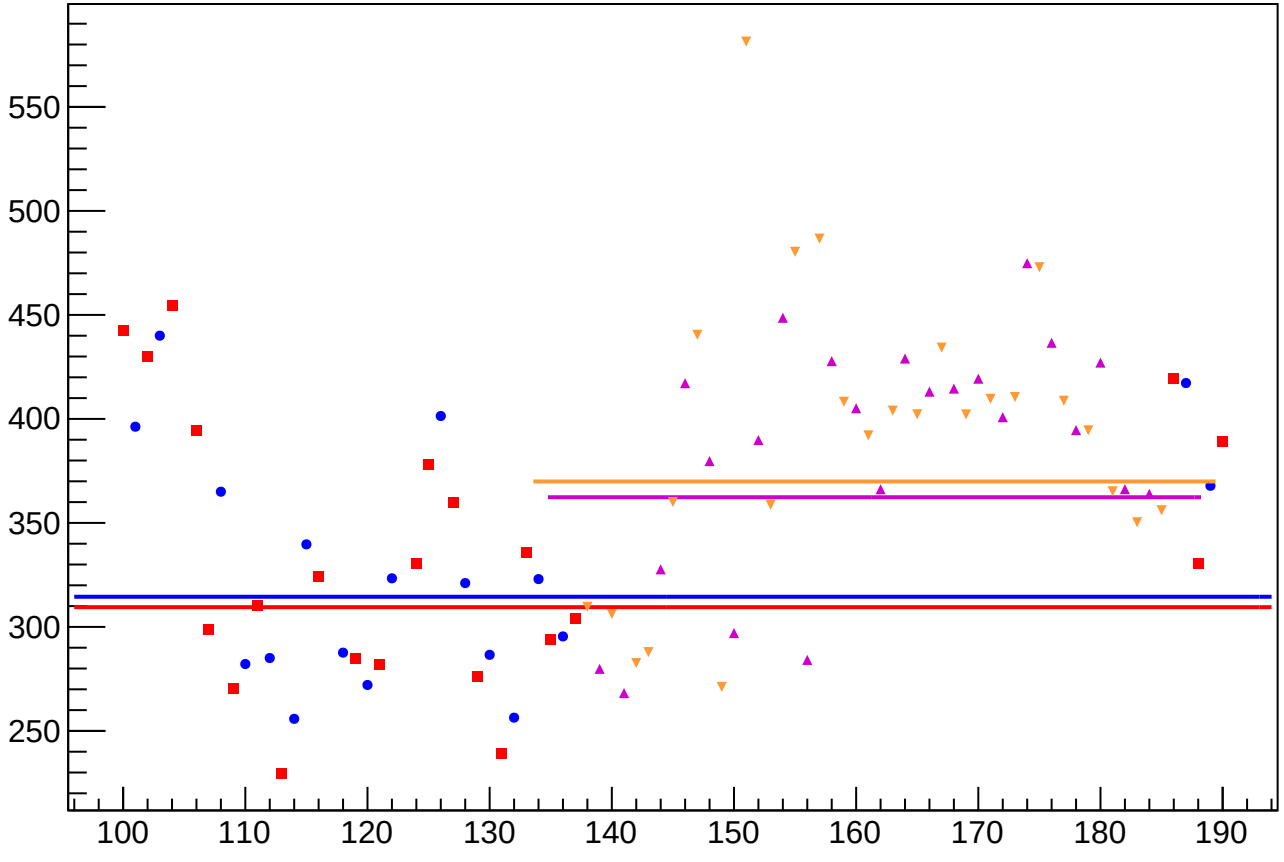
In: 225.170+/-0.032 χ^2/NDF:1953652.1/40

Out: 229.662+/-0.032 χ^2/NDF:2692619.9/46

All: 227.460+/-0.022 χ^2/NDF: 4656236.4/87


asym_bpm0l02WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -749.950+/-114.009 χ²/NDF: 519.1/17
Left Out: 1053.354+/-85.895 χ²/NDF:614.6/24
Right Out: 965.325+/-104.622 χ²/NDF: 2384.5/21
Left In: -64.646+/-86.660 χ²/NDF:394.4/22
Left: 499.305+/-61.006 χ²/NDF: 1093.0/47
Right: 181.199+/-77.084 χ²/NDF: 3026.5/39
In: -315.600+/-68.991 χ²/NDF:936.5/40
Out: 1017.909+/-66.387 χ²/NDF:2999.6/46
All: 376.796+/-47.837 χ²/NDF: 4130.0/87

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 314.495+/-0.081 χ^2/NDF: 371123.0/17

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 309.492+/-0.074 χ^2/NDF: 621636.8/21

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

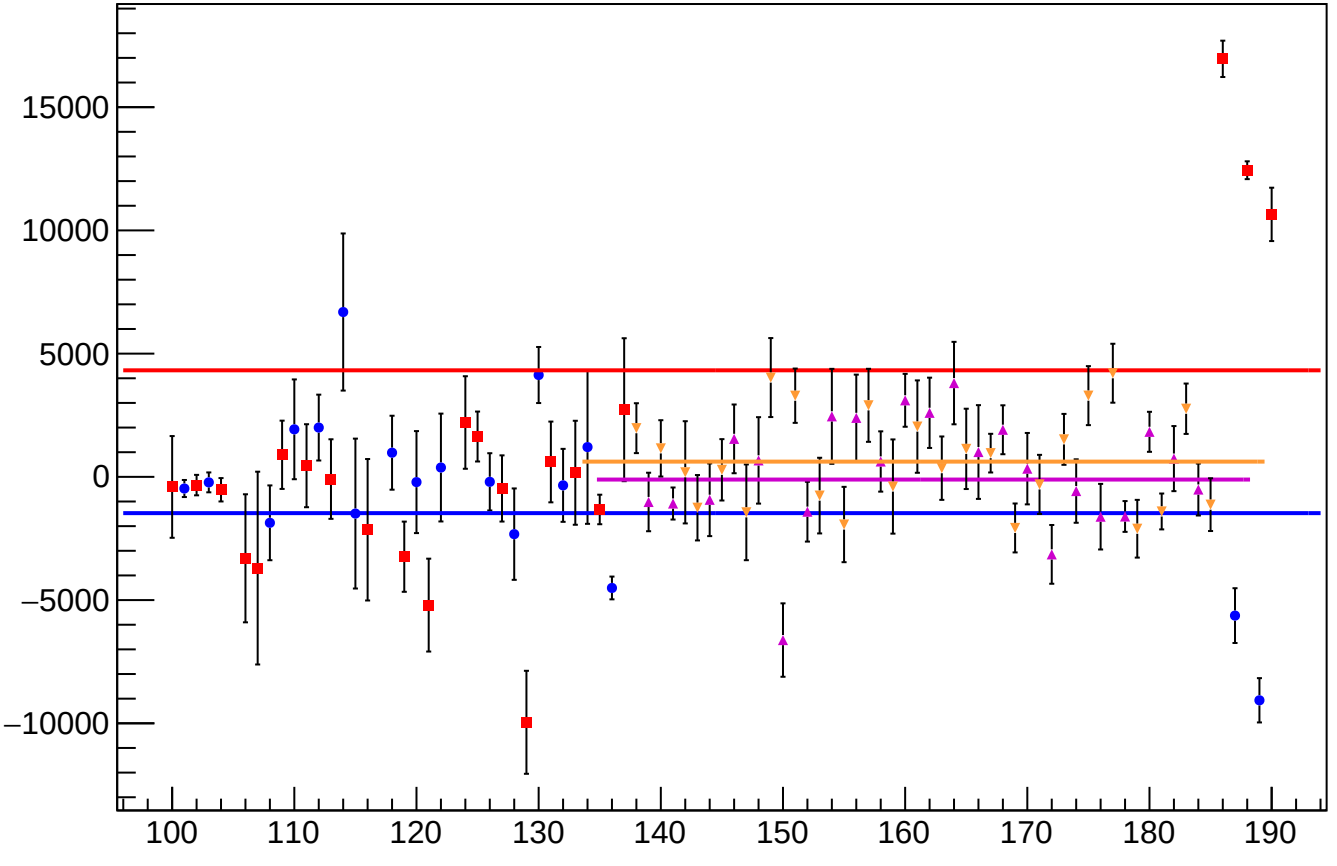
Right: 311.779+/-0.055 χ^2/NDF: 994850.7/39

In: 344.820+/-0.049 χ^2/NDF:1647770.4/40

Out: 345.591+/-0.047 χ^2/NDF:2250541.4/46

All: 345.220+/-0.034 χ^2/NDF: 3898441.4/87

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -1471.950+/-196.462 χ^2/NDF: 193.4/17

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 4322.841+/-186.523 χ^2/NDF: 1324.5/21

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

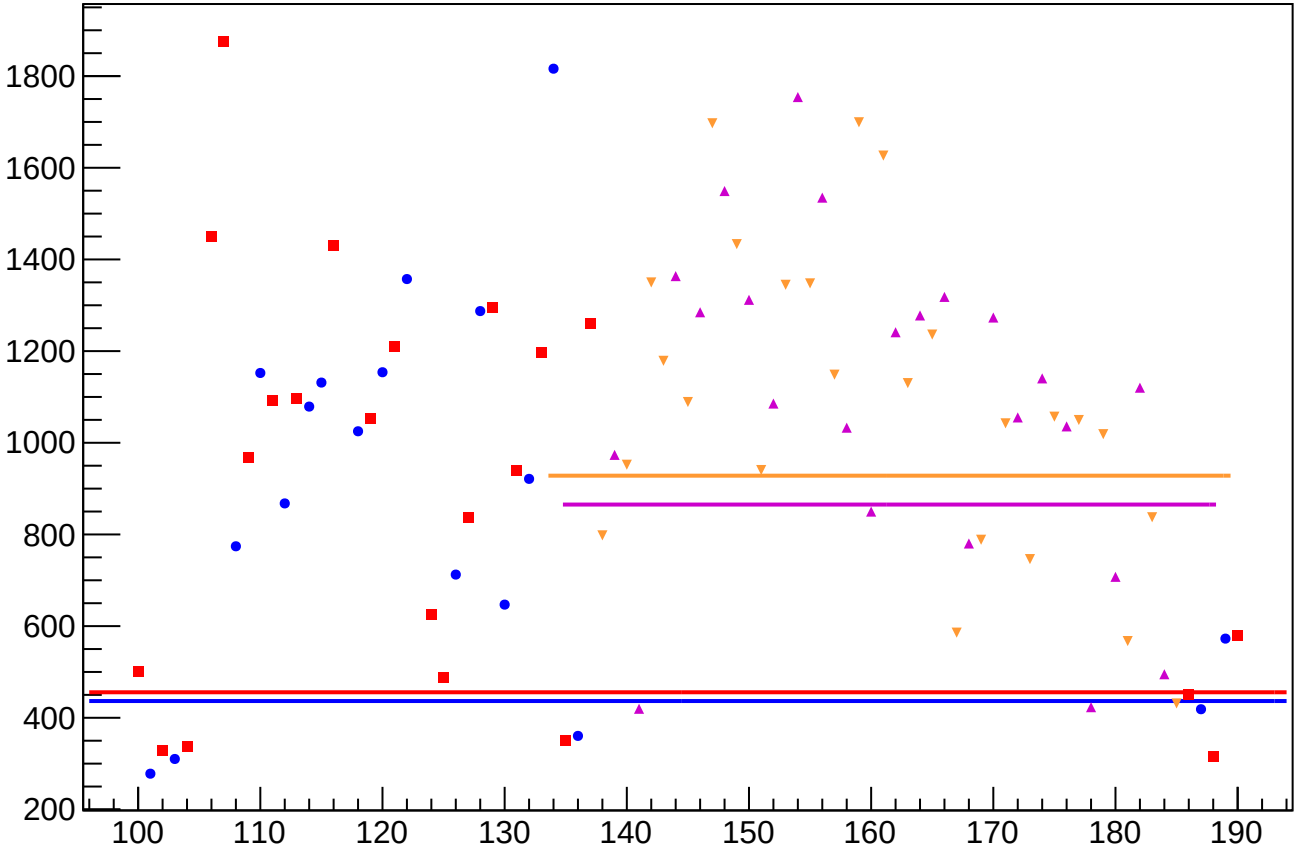
Right: 1575.715+/-135.269 χ^2/NDF: 1975.4/39

In: -919.338+/-151.466 χ^2/NDF:284.6/40

Out: 2914.456+/-146.845 χ^2/NDF:1540.2/46

All: 1056.934+/-105.431 χ^2/NDF: 2155.1/87

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 436.567+/-0.139 χ^2/NDF: 3570268.3/17

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 455.682+/-0.132 χ^2/NDF: 4110759.9/21

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

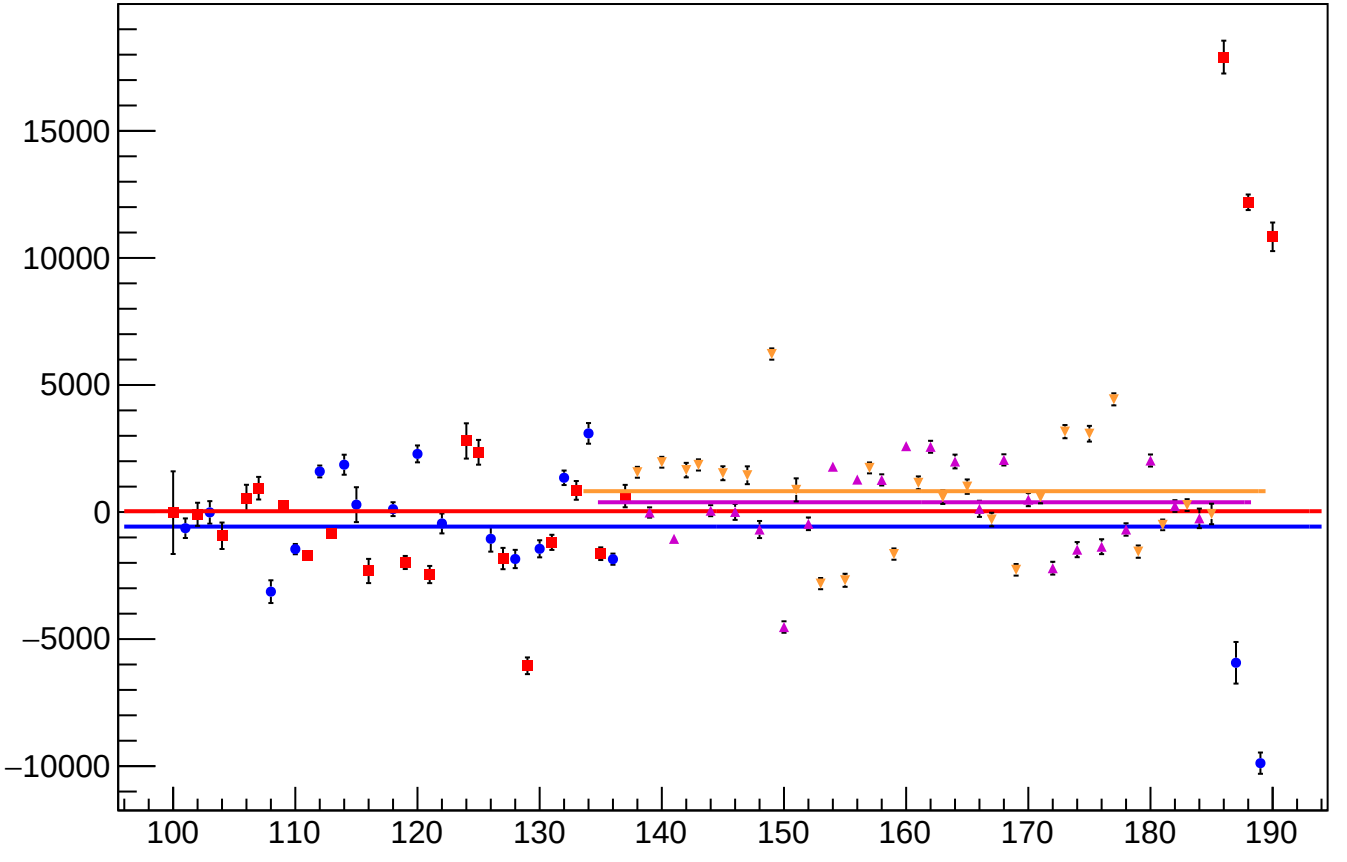
Right: 446.620+/-0.096 χ^2/NDF: 7690986.0/39

In: 610.433+/-0.107 χ^2/NDF:12224822.5/40

Out: 635.350+/-0.104 χ^2/NDF:12286245.7/46

All: 623.277+/-0.075 χ^2/NDF: 24538968.3/87

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -572.839+/-78.091 χ^2/NDF: 979.0/17

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 32.434+/-70.091 χ^2/NDF: 3428.5/21

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

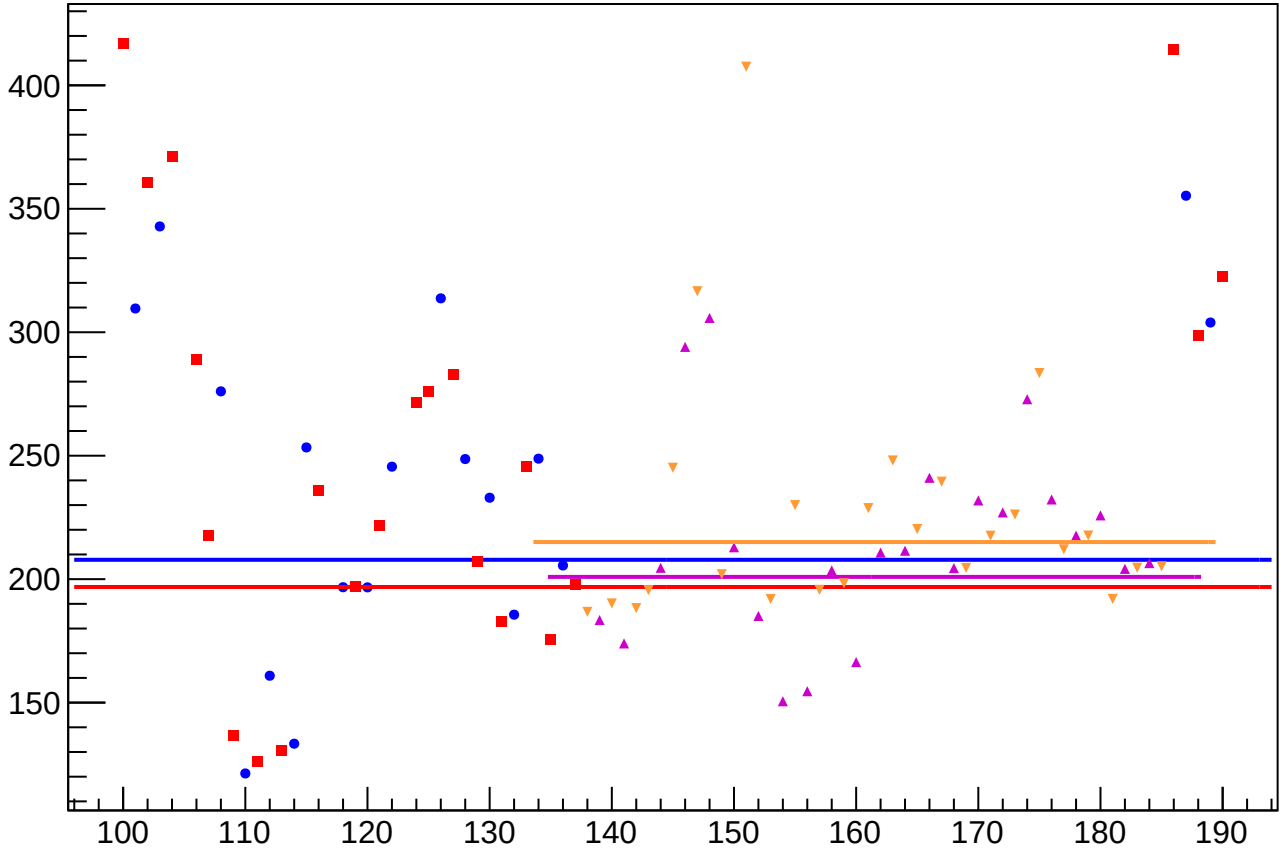
Right: -237.620+/-52.162 χ^2/NDF: 4440.8/39

In: 118.739+/-41.173 χ^2/NDF:2340.9/40

Out: 554.959+/-40.702 χ^2/NDF:5503.1/46

All: 339.355+/-28.946 χ^2/NDF: 7900.8/87

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 207.840+/-0.055 χ^2/NDF: 1249575.9/17

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 196.827+/-0.050 χ^2/NDF: 2072446.1/21

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

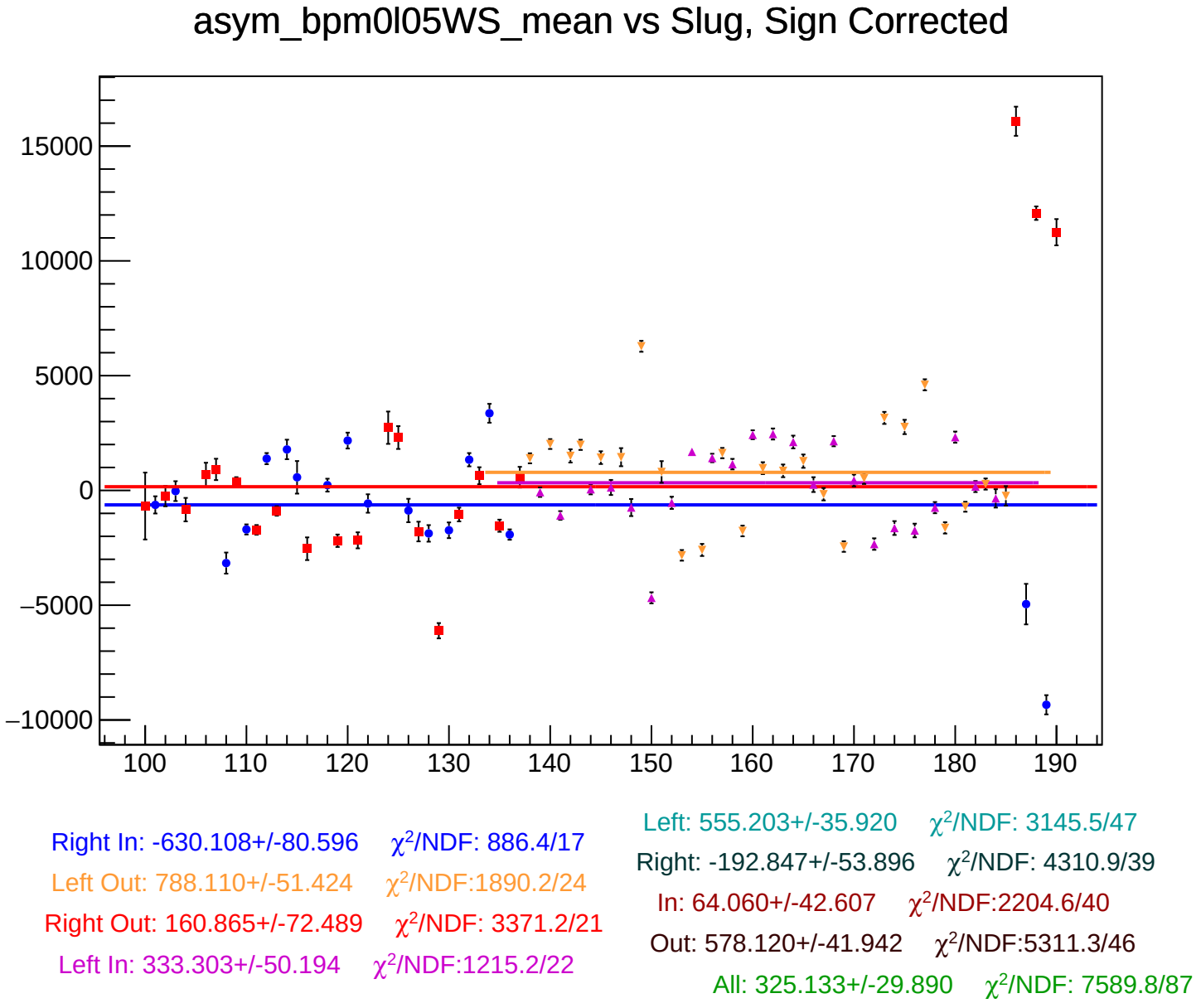
Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

Right: 201.741+/-0.037 χ^2/NDF: 3344053.7/39

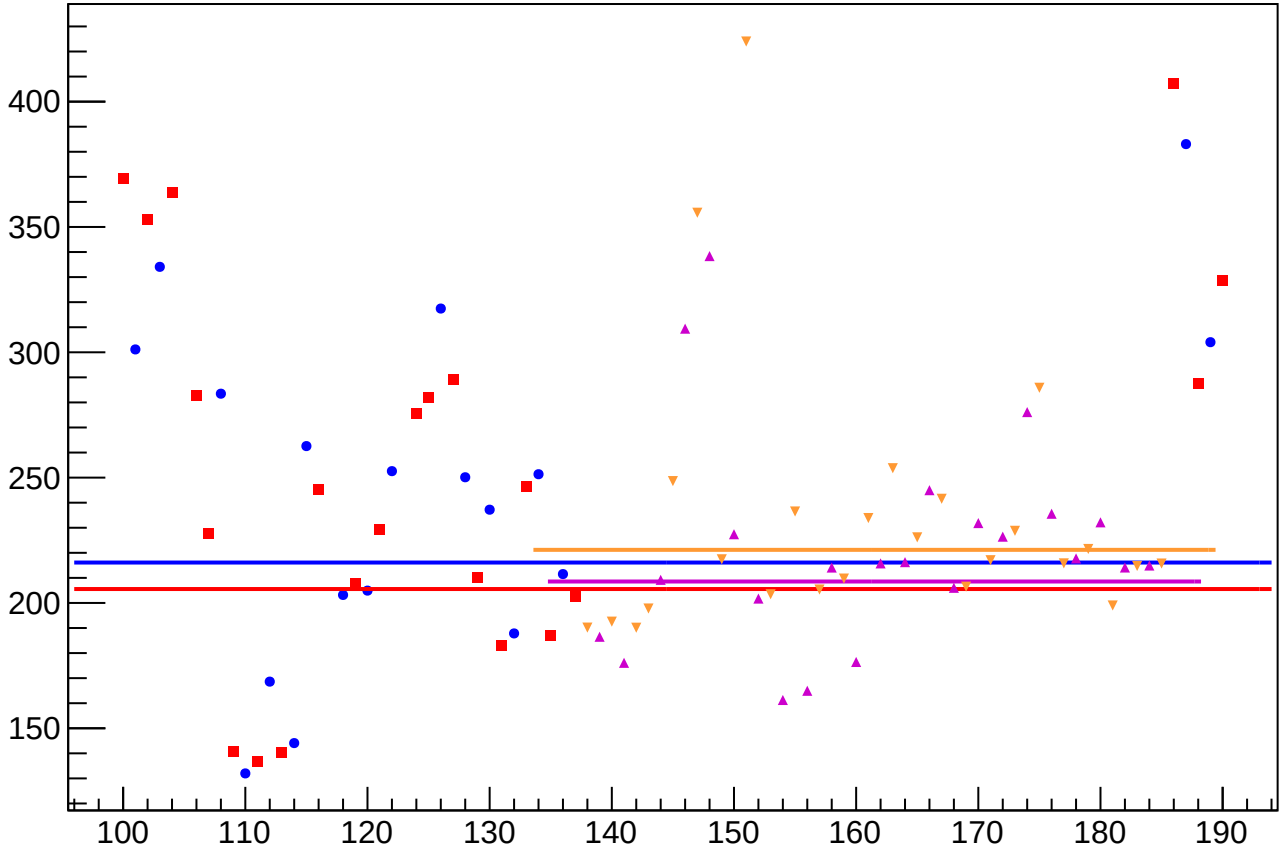
In: 202.842+/-0.029 χ^2/NDF:2366769.4/40

Out: 208.889+/-0.029 χ^2/NDF:3059609.8/46

All: 205.900+/-0.020 χ^2/NDF: 5448203.9/87


asym_bpm0l05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -630.108+/-80.596 χ²/NDF: 886.4/17
Left Out: 788.110+/-51.424 χ²/NDF:1890.2/24
Right Out: 160.865+/-72.489 χ²/NDF: 3371.2/21
Left In: 333.303+/-50.194 χ²/NDF:1215.2/22
Left: 555.203+/-35.920 χ²/NDF: 3145.5/47
Right: -192.847+/-53.896 χ²/NDF: 4310.9/39
In: 64.060+/-42.607 χ²/NDF:2204.6/40
Out: 578.120+/-41.942 χ²/NDF:5311.3/46
All: 325.133+/-29.890 χ²/NDF: 7589.8/87

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.122+/-0.057 χ^2/NDF: 1050954.6/17

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 205.553+/-0.051 χ^2/NDF: 1771321.6/21

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

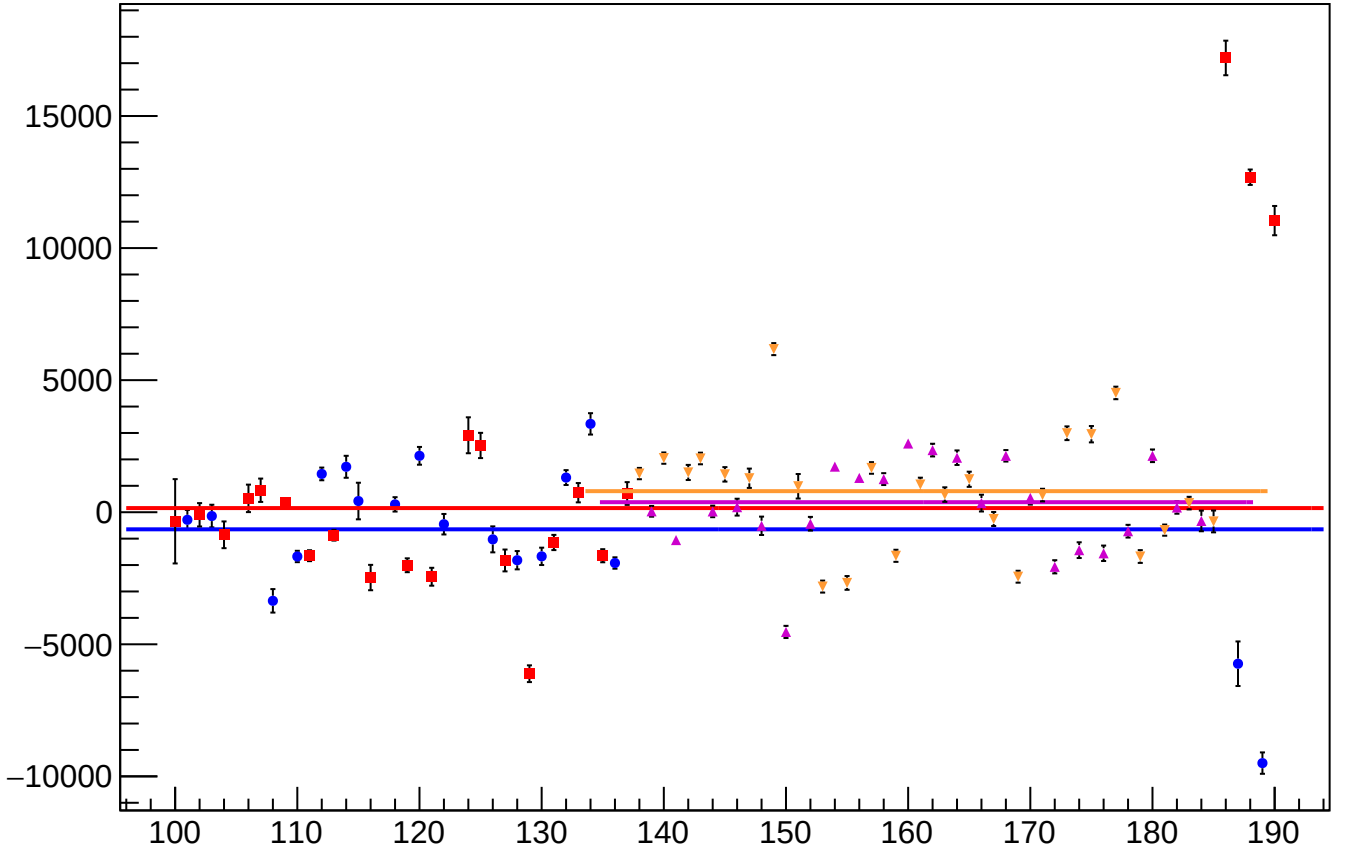
Right: 210.279+/-0.038 χ^2/NDF: 2841286.9/39

In: 210.670+/-0.030 χ^2/NDF:2099290.7/40

Out: 215.952+/-0.030 χ^2/NDF:2772711.6/46

All: 213.353+/-0.021 χ^2/NDF: 4887609.5/87

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -647.554+/-78.352 χ^2/NDF: 970.4/17

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 156.729+/-70.162 χ^2/NDF: 3707.1/21

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

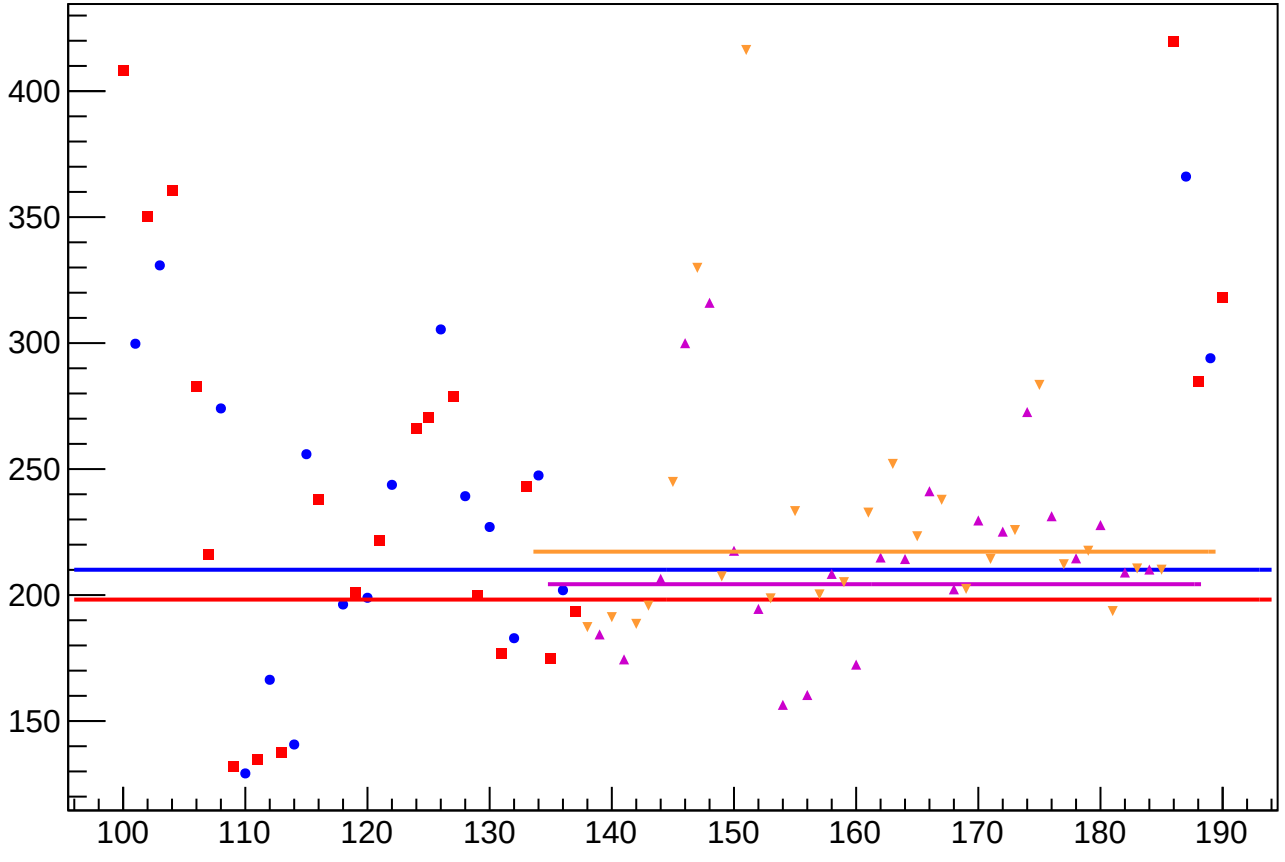
Right: -201.190+/-52.268 χ^2/NDF: 4736.0/39

In: 89.252+/-41.656 χ^2/NDF:2294.9/40

Out: 578.839+/-40.984 χ^2/NDF:5722.9/46

All: 338.026+/-29.215 χ^2/NDF: 8088.0/87

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 210.048+/-0.055 χ^2/NDF: 1038690.8/17

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 198.206+/-0.050 χ^2/NDF: 1875414.5/21

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

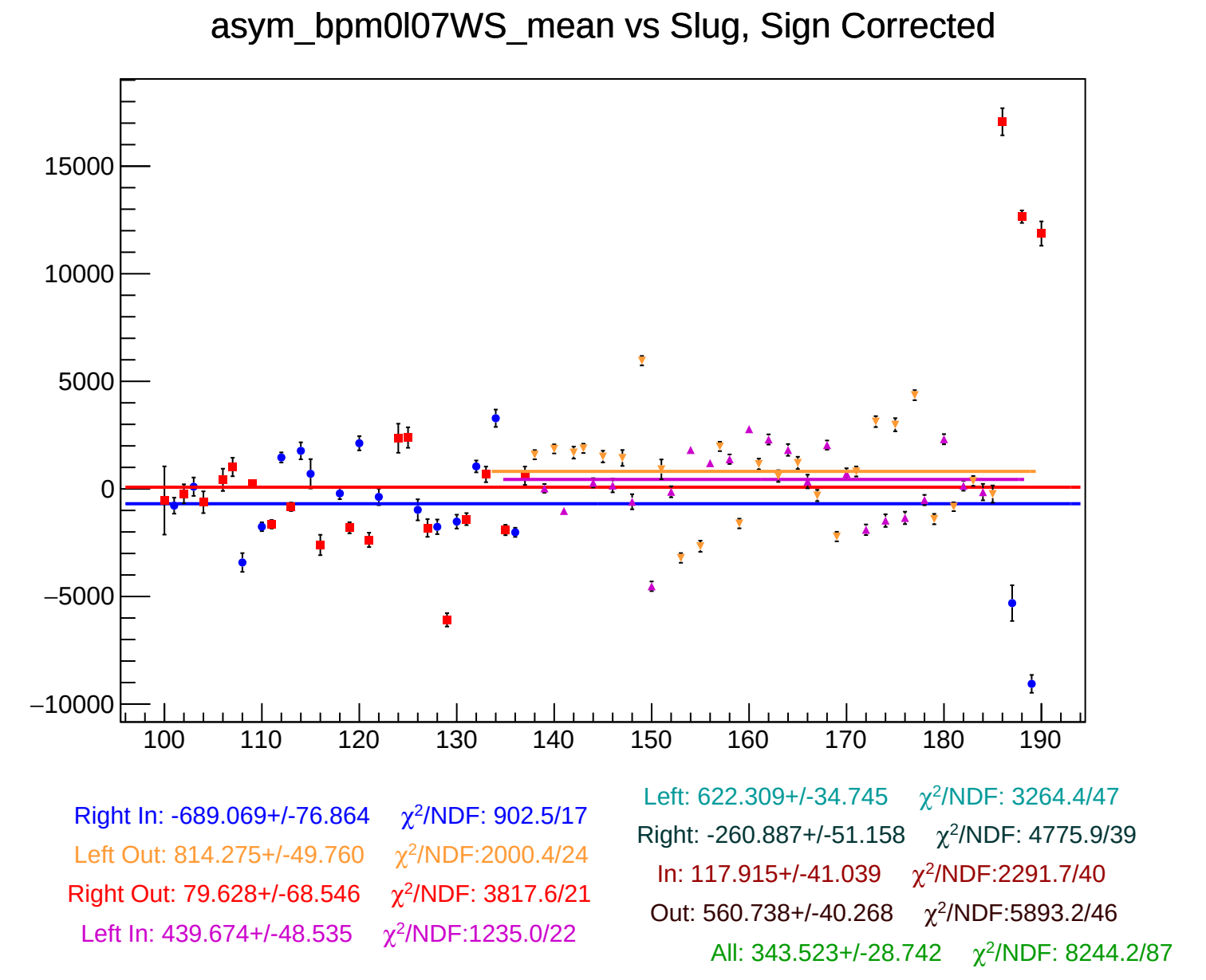
Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

Right: 203.476+/-0.037 χ^2/NDF: 2939460.1/39

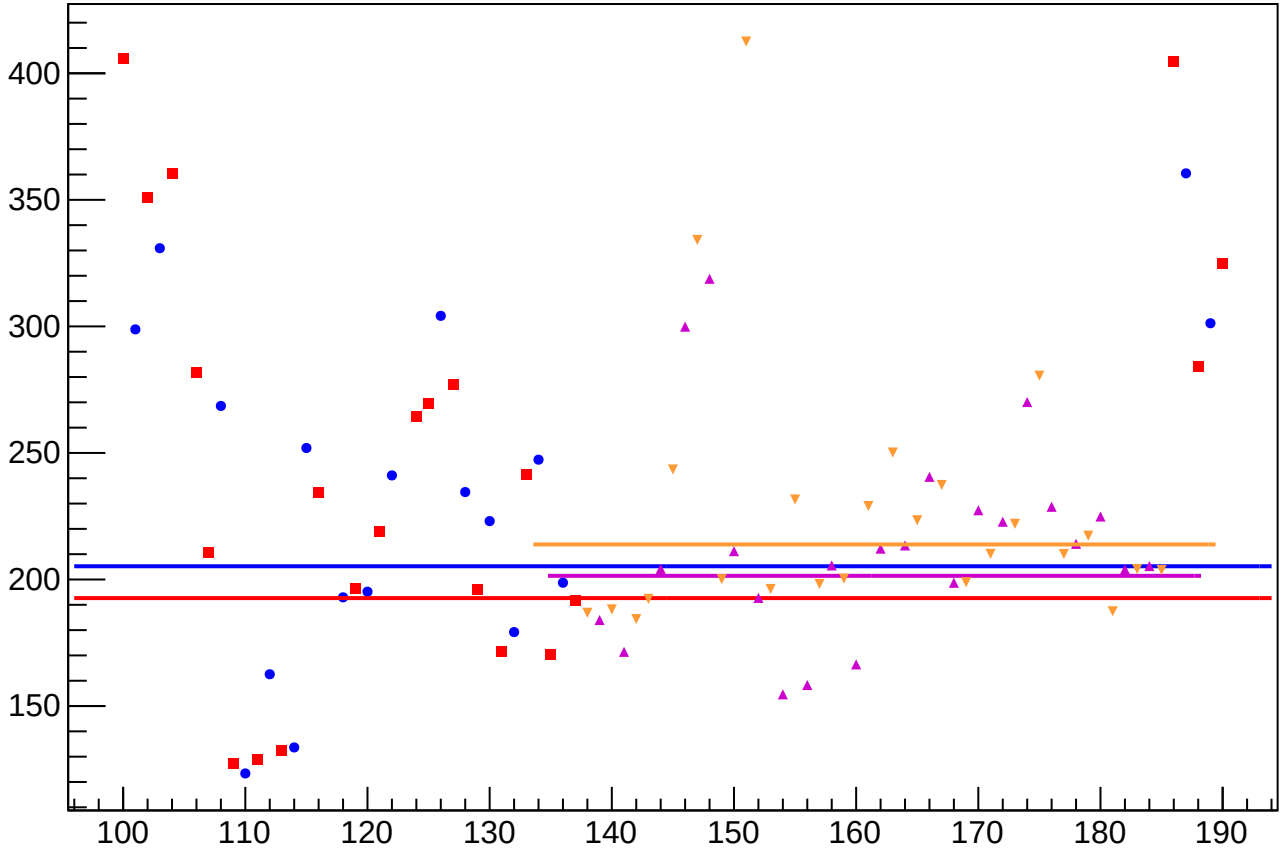
In: 205.931+/-0.029 χ^2/NDF:2061440.2/40

Out: 210.735+/-0.029 χ^2/NDF:2882666.7/46

All: 208.372+/-0.021 χ^2/NDF: 4957625.4/87


asym_bpm0l07WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -689.069+/-76.864 χ²/NDF: 902.5/17
Left Out: 814.275+/-49.760 χ²/NDF:2000.4/24
Right Out: 79.628+/-68.546 χ²/NDF: 3817.6/21
Left In: 439.674+/-48.535 χ²/NDF:1235.0/22
Left: 622.309+/-34.745 χ²/NDF: 3264.4/47
Right: -260.887+/-51.158 χ²/NDF: 4775.9/39
In: 117.915+/-41.039 χ²/NDF:2291.7/40
Out: 560.738+/-40.268 χ²/NDF:5893.2/46
All: 343.523+/-28.742 χ²/NDF: 8244.2/87

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 205.230+/-0.054 χ^2/NDF: 1143505.1/17

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 192.654+/-0.048 χ^2/NDF: 2020542.4/21

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

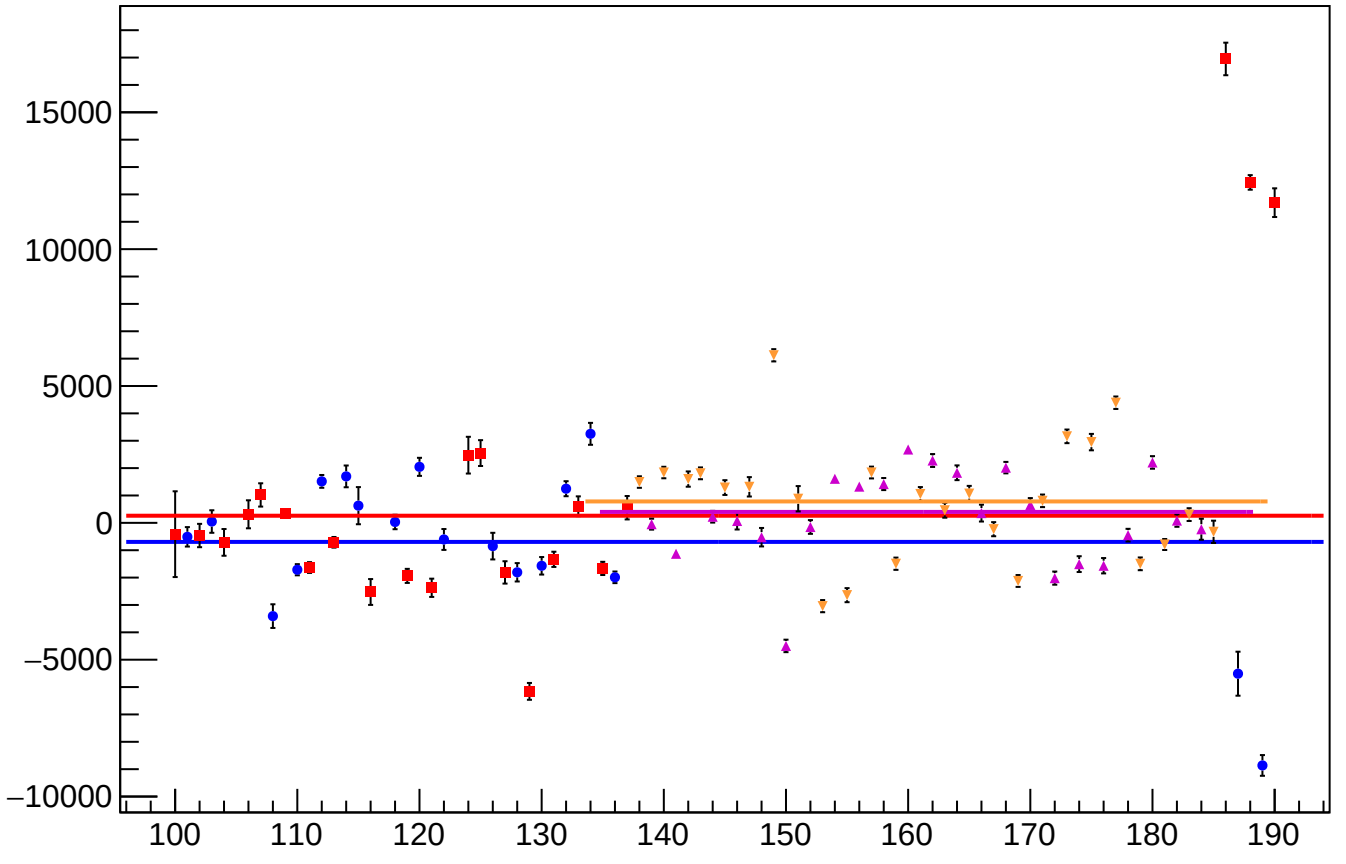
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 198.225+/-0.036 χ^2/NDF: 3193869.7/39

In: 202.524+/-0.029 χ^2/NDF:2208943.1/40

Out: 206.534+/-0.028 χ^2/NDF:3109346.4/46

All: 204.567+/-0.020 χ^2/NDF: 5328015.1/87



Right In: -696.069+/-75.932 χ^2/NDF: 977.9/17

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 260.573+/-67.433 χ^2/NDF: 4244.2/21

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

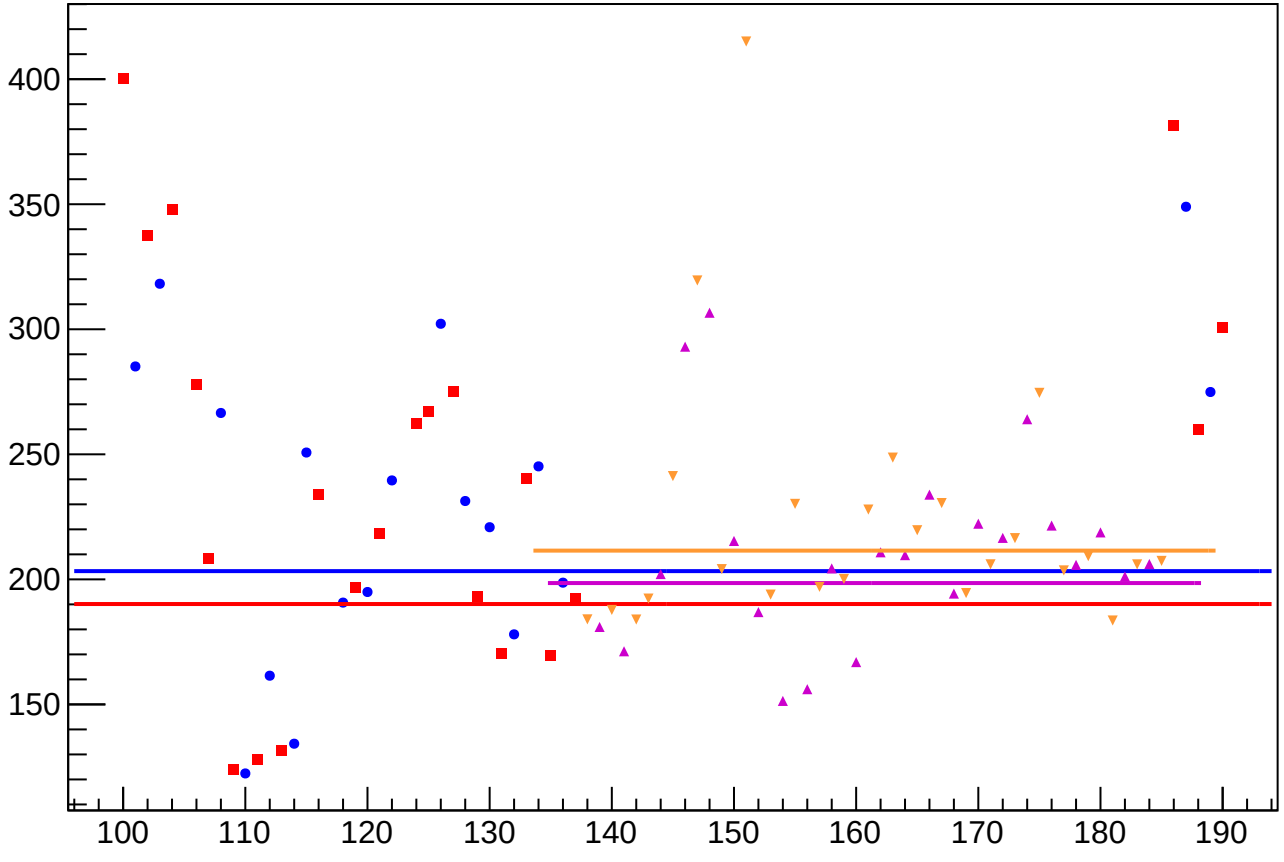
Right: -161.238+/-50.421 χ^2/NDF: 5310.8/39

In: 88.602+/-40.463 χ^2/NDF:2359.0/40

Out: 601.115+/-39.745 χ^2/NDF:6284.5/46

All: 349.448+/-28.355 χ^2/NDF: 8725.2/87

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 203.297+/-0.054 χ^2/NDF: 1056343.0/17

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 190.138+/-0.048 χ^2/NDF: 1905194.7/21

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

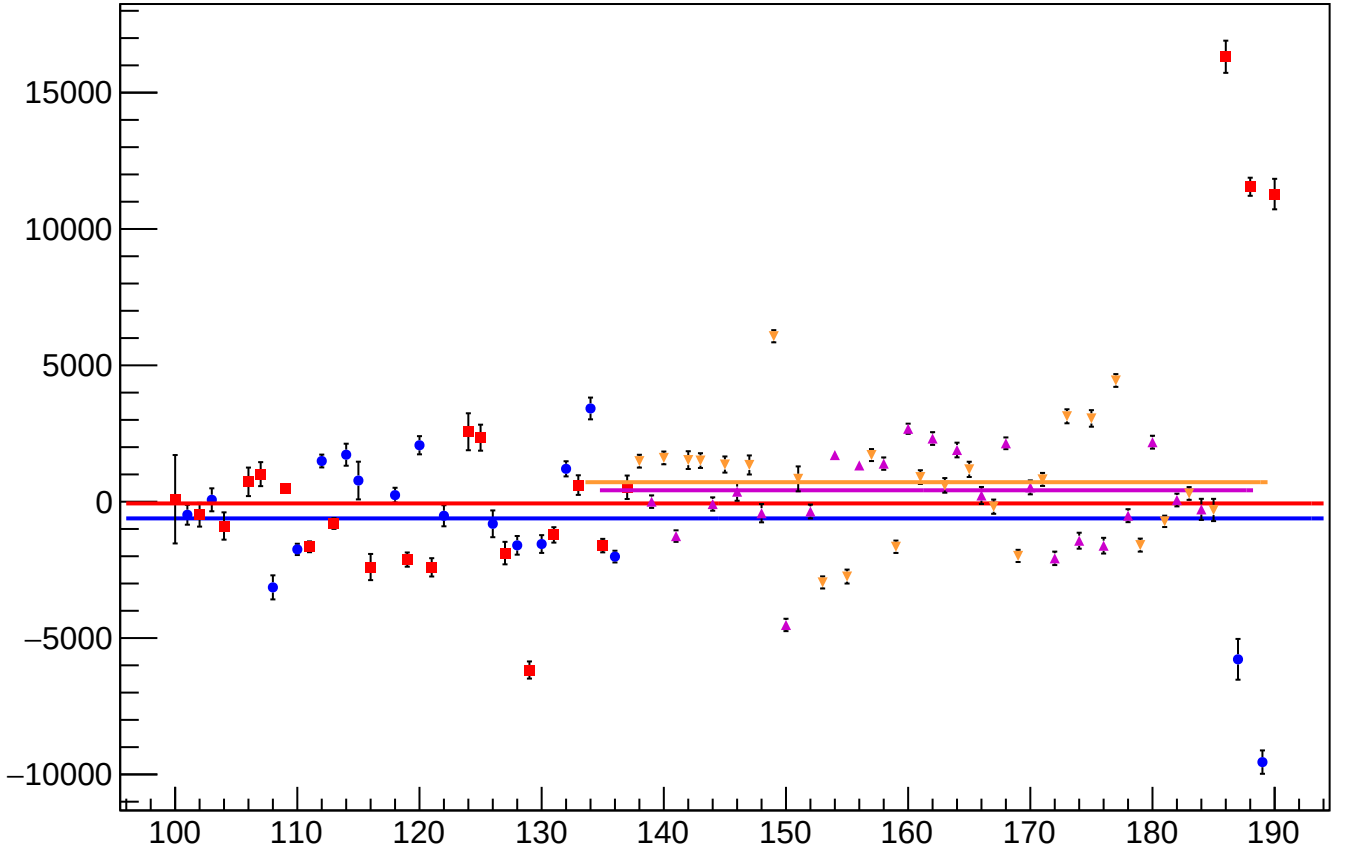
Right: 195.940+/-0.036 χ^2/NDF: 2995117.8/39

In: 199.880+/-0.029 χ^2/NDF:2068458.8/40

Out: 204.076+/-0.028 χ^2/NDF:2971101.4/46

All: 202.016+/-0.020 χ^2/NDF: 5050509.1/87

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -612.521+/-77.252 χ^2/NDF: 944.1/17

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -63.366+/-69.498 χ^2/NDF: 3138.9/21

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

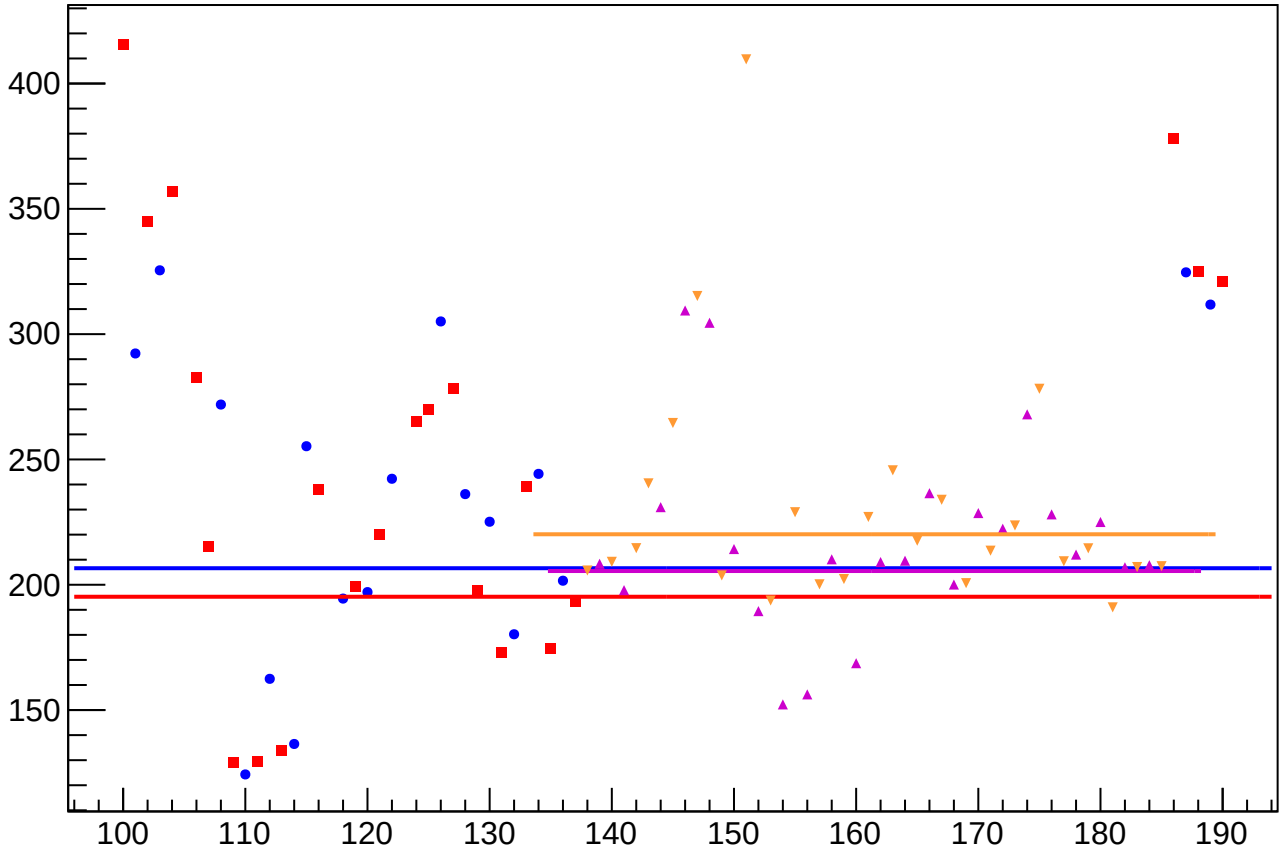
Right: -309.008+/-51.667 χ^2/NDF: 4111.0/39

In: 118.256+/-41.692 χ^2/NDF:2311.3/40

Out: 442.211+/-41.174 χ^2/NDF:5138.5/46

All: 282.257+/-29.296 χ^2/NDF: 7480.4/87

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 206.599+/-0.055 χ^2/NDF: 1102089.3/17

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 195.215+/-0.049 χ^2/NDF: 2048788.5/21

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

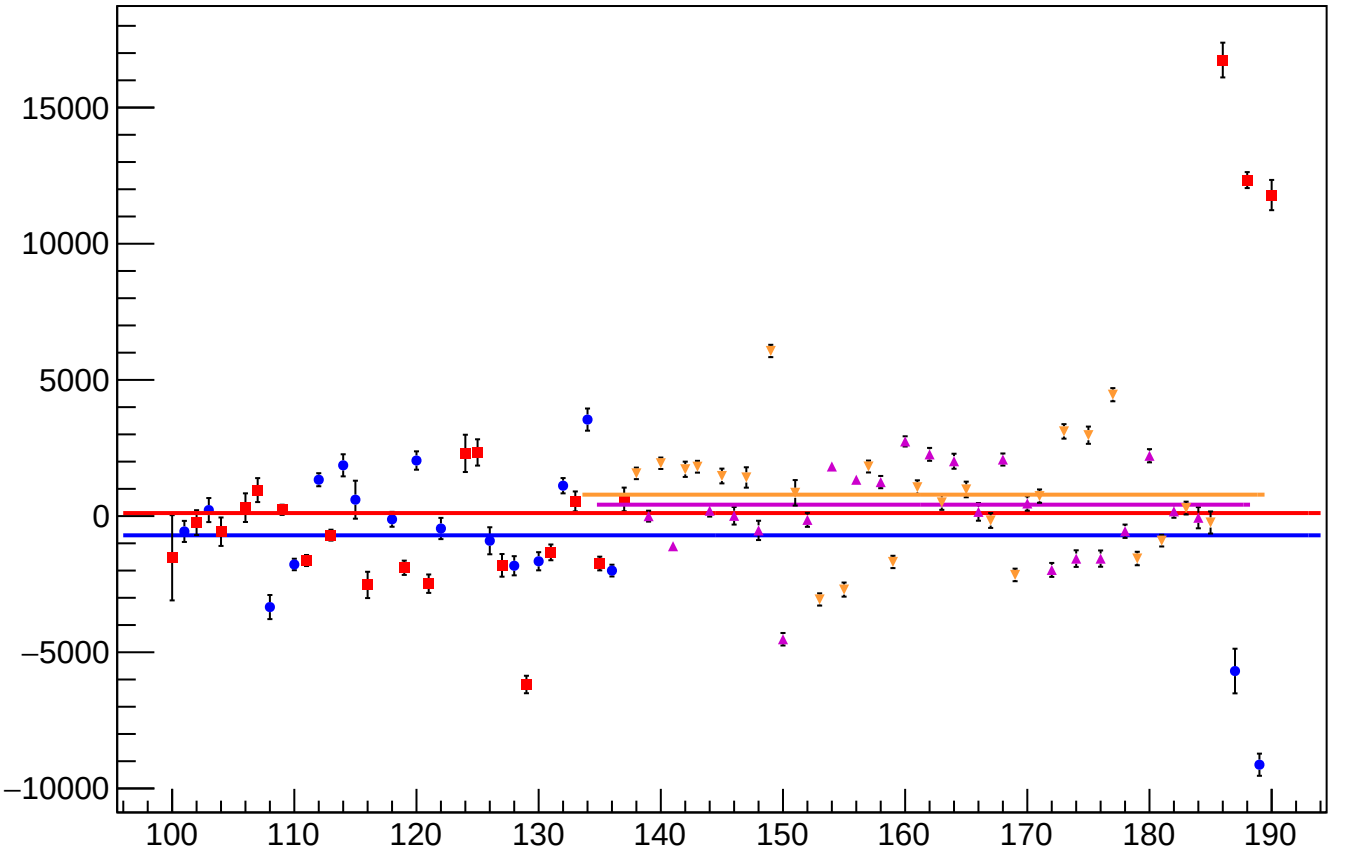
Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

Right: 200.307+/-0.037 χ^2/NDF: 3174880.6/39

In: 205.807+/-0.029 χ^2/NDF:2116351.0/40

Out: 211.394+/-0.029 χ^2/NDF:3015510.9/46

All: 208.636+/-0.021 χ^2/NDF: 5150048.0/87



Right In: -705.952+/-78.481 χ^2/NDF: 923.9/17

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 111.167+/-70.203 χ^2/NDF: 3621.6/21

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

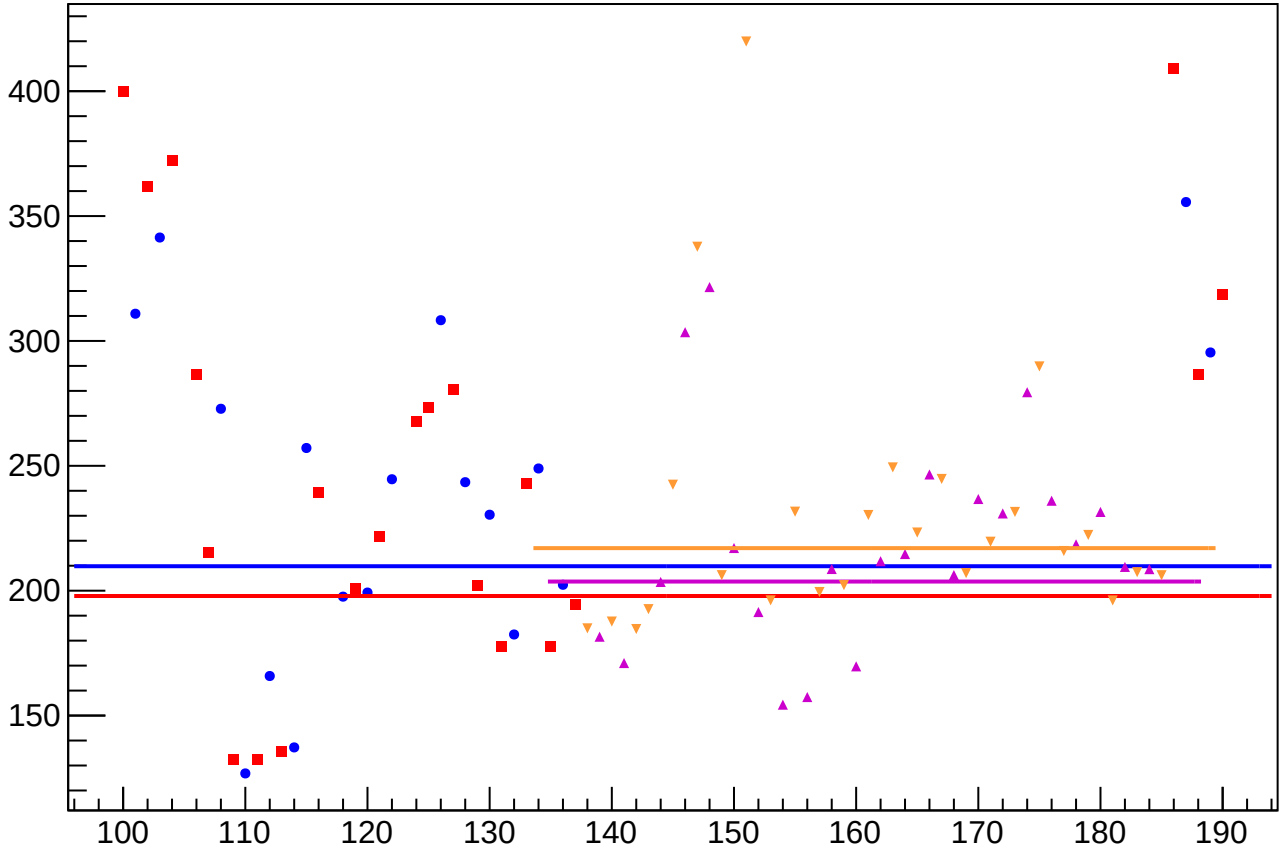
Right: -252.040+/-52.324 χ^2/NDF: 4605.7/39

In: 101.941+/-41.656 χ^2/NDF:2282.5/40

Out: 556.346+/-41.008 χ^2/NDF:5620.1/46

All: 332.707+/-29.224 χ^2/NDF: 7963.0/87

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 209.795+/-0.055 χ^2/NDF: 1121840.1/17

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 197.870+/-0.050 χ^2/NDF: 1946521.5/21

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

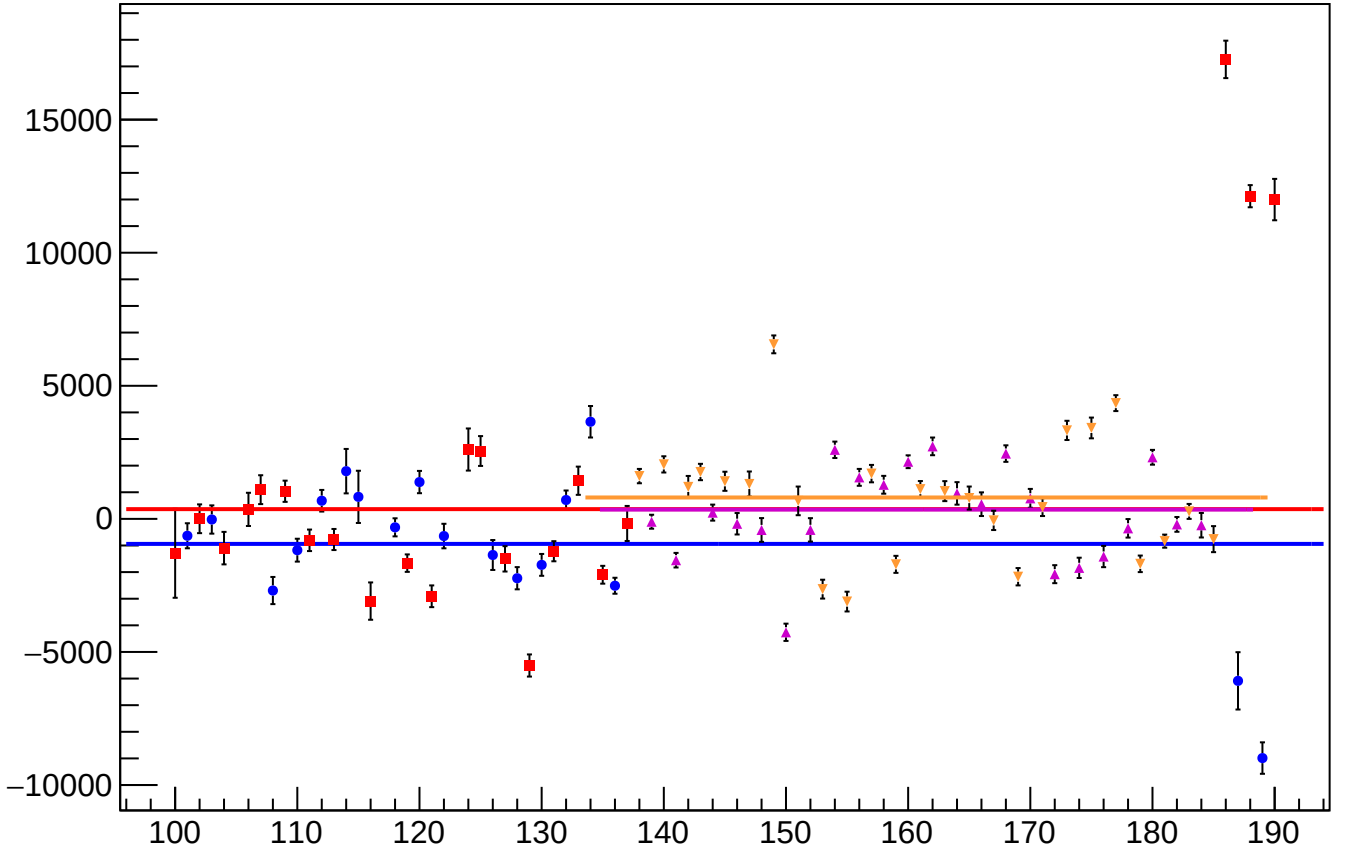
Right: 203.171+/-0.037 χ^2/NDF: 3094009.3/39

In: 205.388+/-0.029 χ^2/NDF:2295952.6/40

Out: 210.499+/-0.029 χ^2/NDF:3027930.2/46

All: 207.984+/-0.021 χ^2/NDF: 5339171.2/87

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -940.461+/-108.250 χ^2/NDF: 411.0/17

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 365.827+/-102.729 χ^2/NDF: 2067.8/21

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

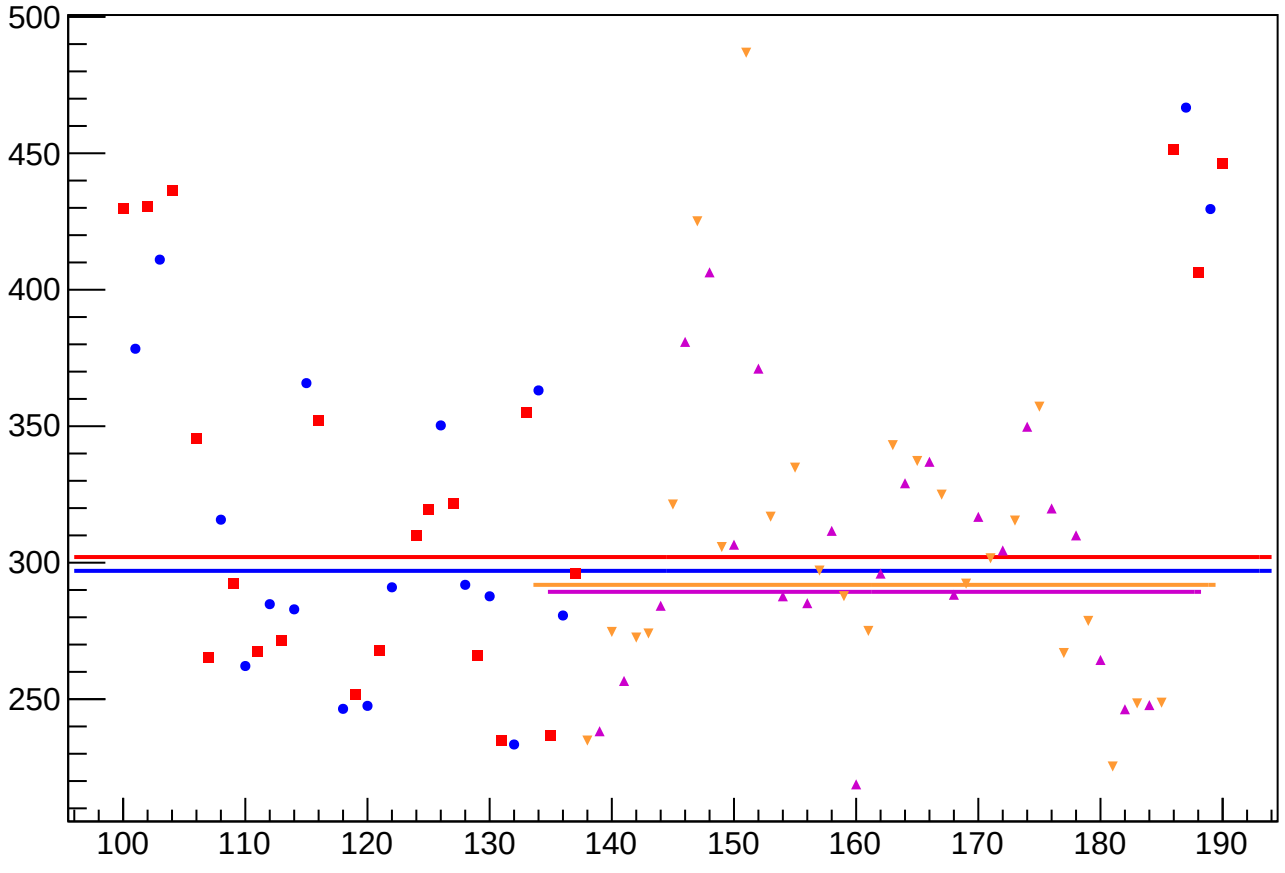
Right: -253.157+/-74.516 χ^2/NDF: 2555.4/39

In: -22.644+/-58.176 χ^2/NDF:1168.2/40

Out: 671.169+/-56.525 χ^2/NDF:3138.1/46

All: 334.248+/-40.540 χ^2/NDF: 4379.4/87

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 297.009+/-0.077 χ^2/NDF: 516849.9/17

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 302.069+/-0.073 χ^2/NDF: 804083.0/21

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

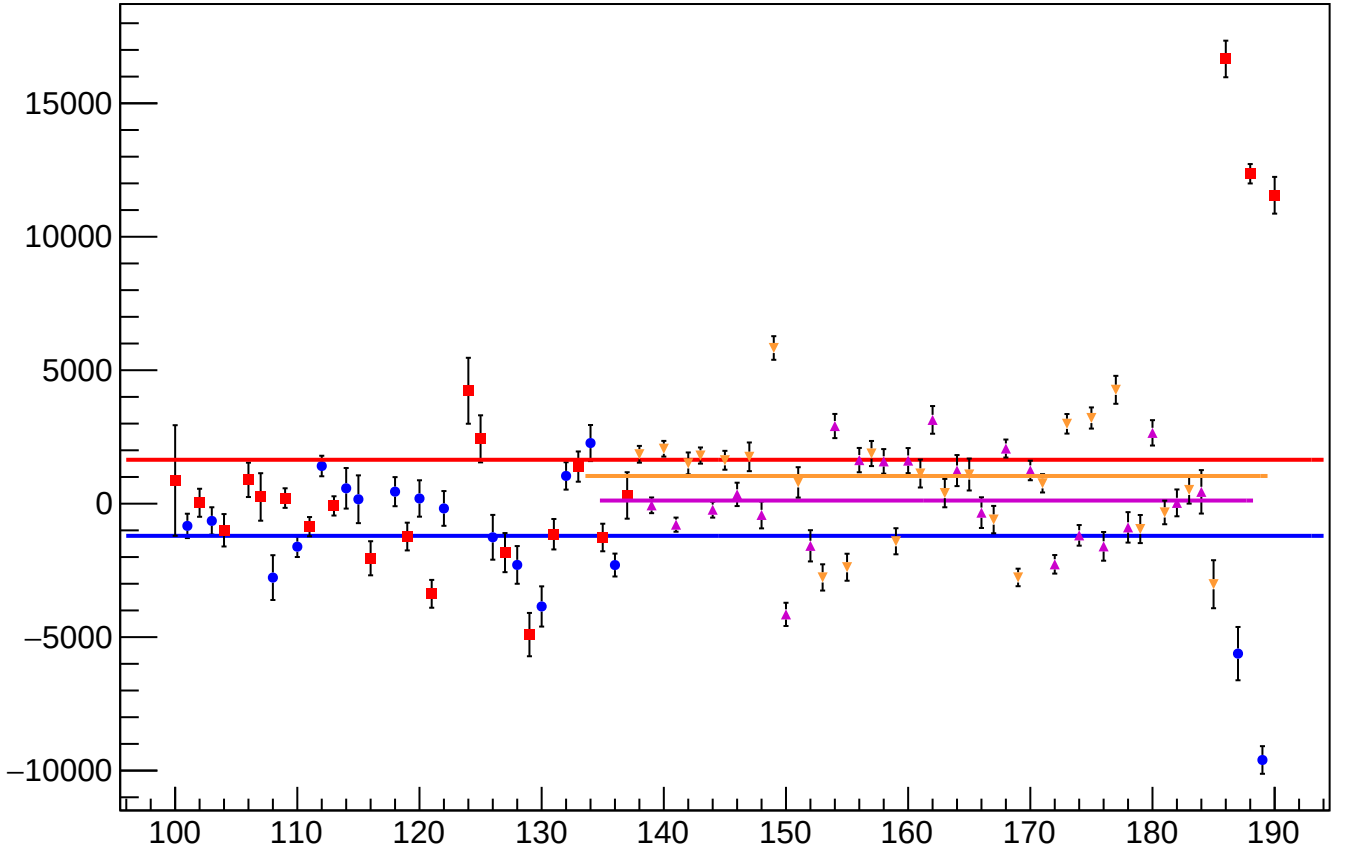
Right: 299.671+/-0.053 χ^2/NDF: 1323232.2/39

In: 291.541+/-0.041 χ^2/NDF:1332629.2/40

Out: 294.966+/-0.040 χ^2/NDF:1777713.7/46

All: 293.303+/-0.029 χ^2/NDF: 3113908.8/87

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1205.285+/-133.974 χ^2/NDF: 426.1/17

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1644.608+/-118.394 χ^2/NDF: 1983.9/21

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

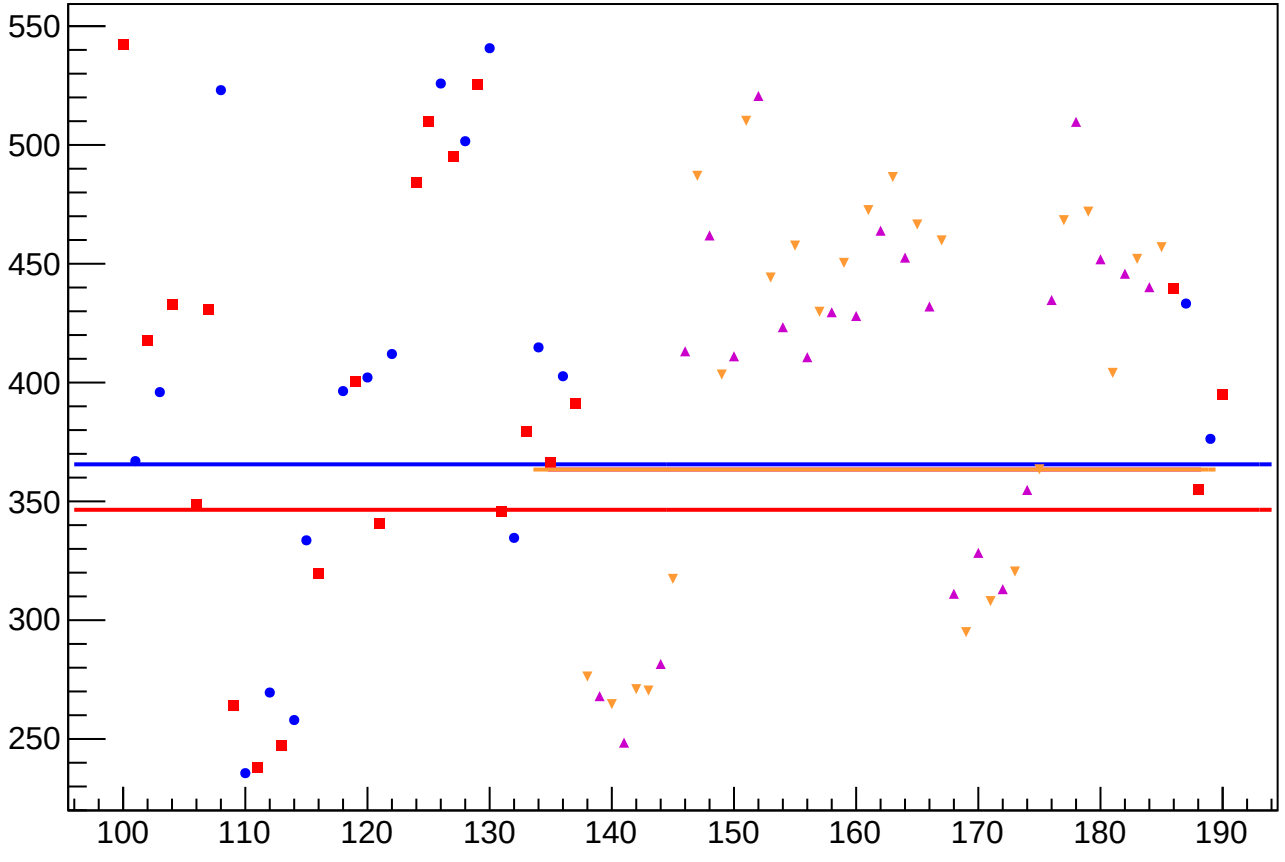
Right: 394.929+/-88.717 χ^2/NDF: 2664.0/39

In: -277.983+/-73.237 χ^2/NDF:864.8/40

Out: 1244.522+/-69.155 χ^2/NDF:2571.4/46

All: 526.877+/-50.281 χ^2/NDF: 3664.6/87

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 365.587+/-0.095 χ^2/NDF: 791388.9/17

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 346.457+/-0.084 χ^2/NDF: 908615.8/21

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

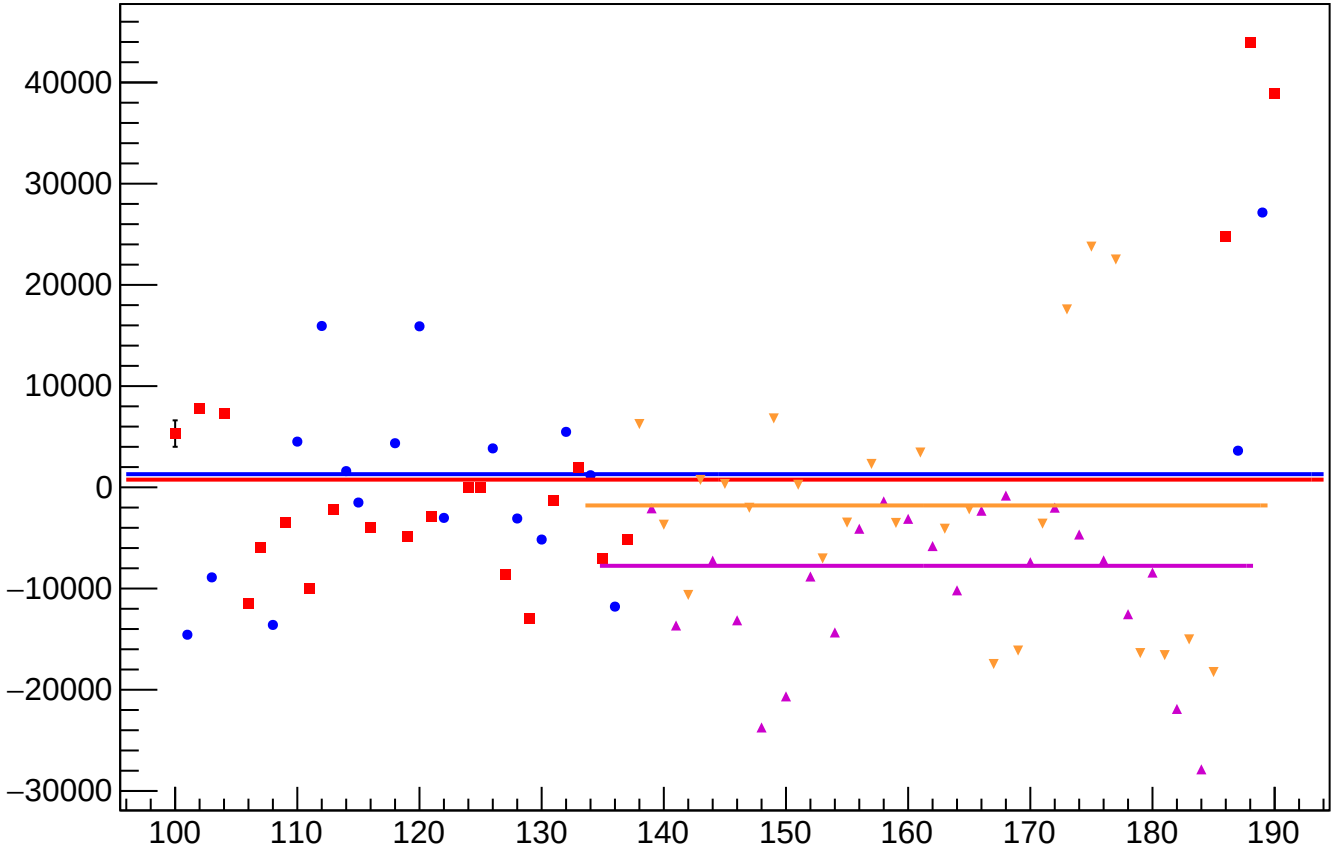
Right: 354.845+/-0.063 χ^2/NDF: 1722901.5/39

In: 364.044+/-0.052 χ^2/NDF:2503366.4/40

Out: 357.611+/-0.049 χ^2/NDF:2876057.3/46

All: 360.643+/-0.036 χ^2/NDF: 5387581.7/87

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 1299.336+/-52.520 χ^2/NDF: 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 759.967+/-48.694 χ^2/NDF: 97767.8/21

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

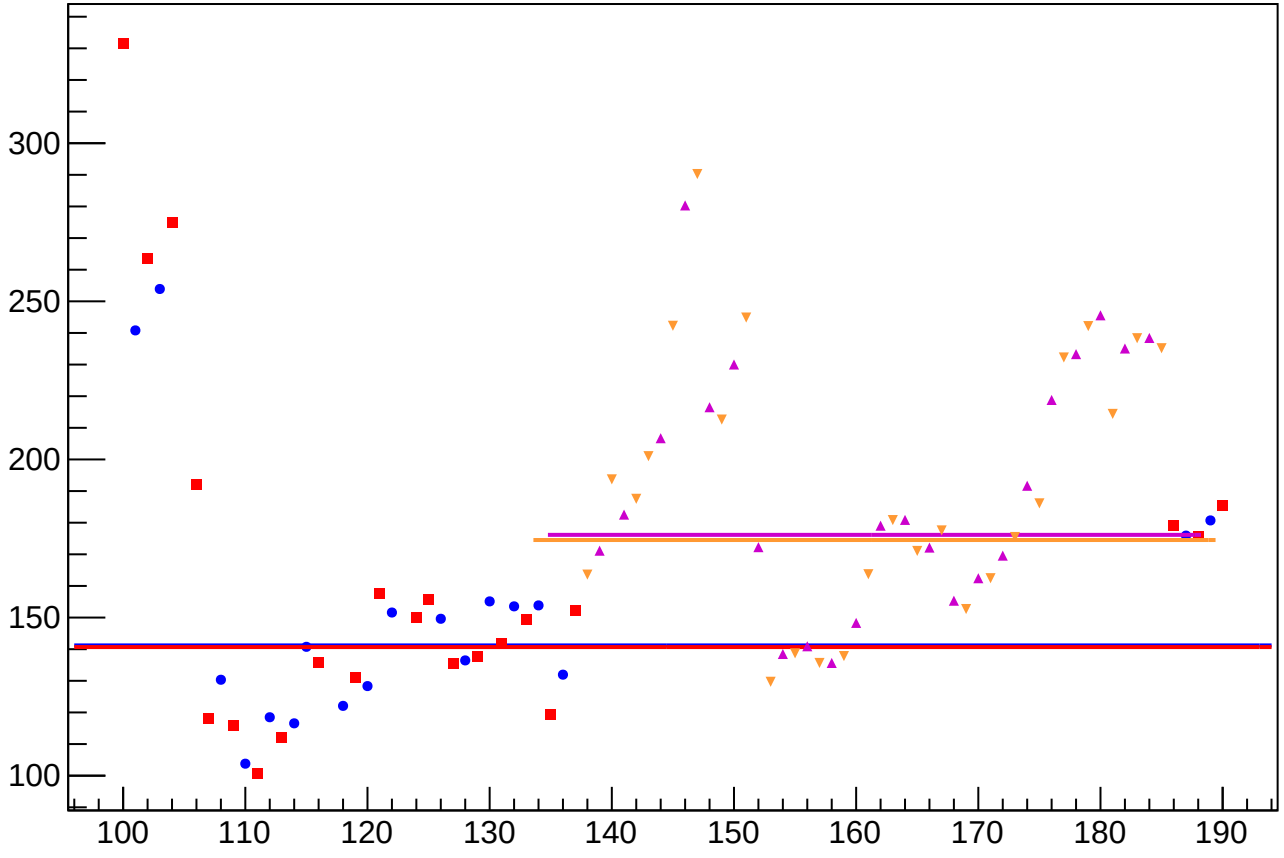
Right: 1009.295+/-35.708 χ^2/NDF: 139891.8/39

In: -4164.544+/-33.071 χ^2/NDF:83279.6/40

Out: -735.055+/-31.323 χ^2/NDF:165121.7/46

All: -2356.755+/-22.742 χ^2/NDF: 254069.9/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 141.194+/-0.037 χ^2/NDF: 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 140.670+/-0.034 χ^2/NDF: 1063140.3/21

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

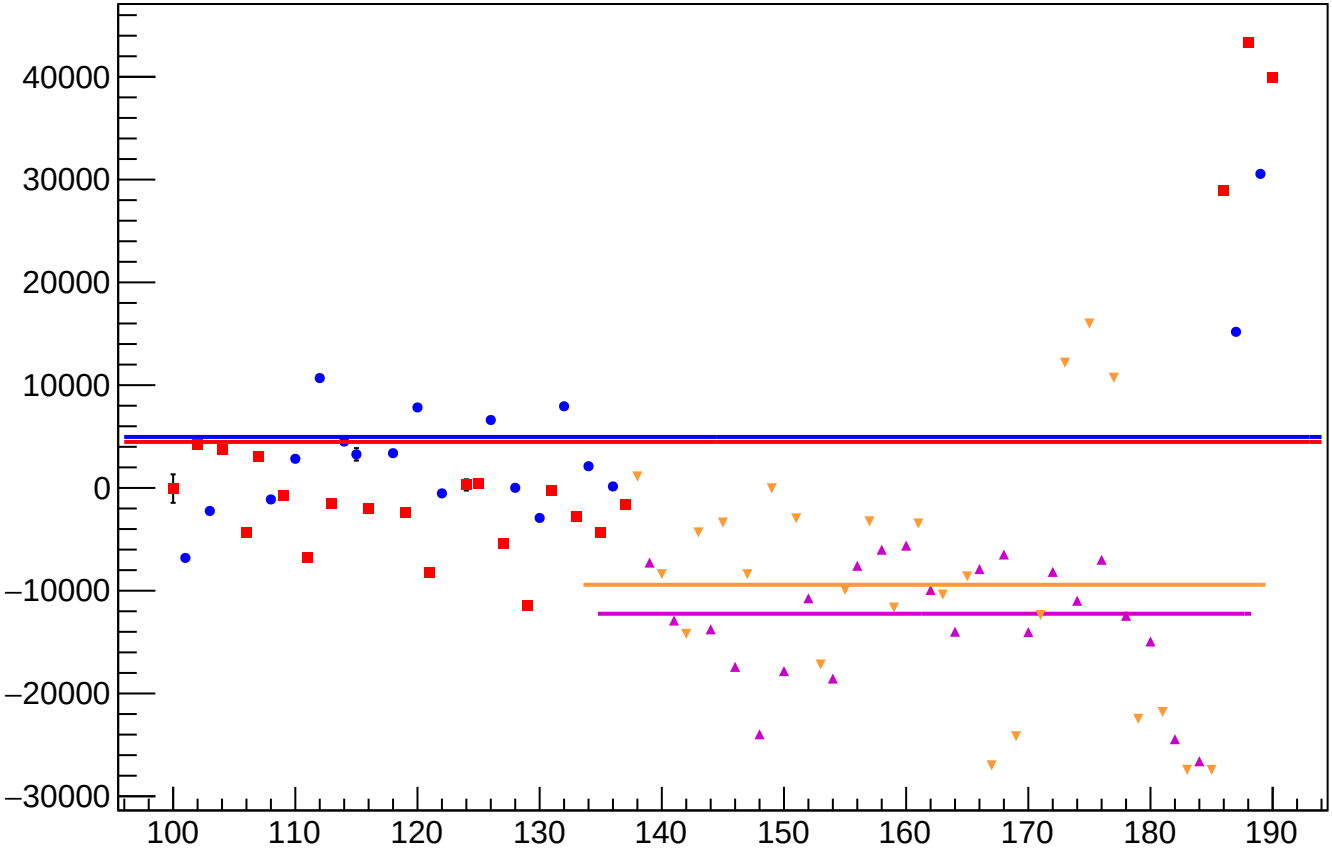
Right: 140.912+/-0.025 χ^2/NDF: 1789983.7/39

In: 162.292+/-0.023 χ^2/NDF:2628633.4/40

Out: 160.514+/-0.022 χ^2/NDF:3289179.2/46

All: 161.355+/-0.016 χ^2/NDF: 5920859.7/87

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 4962.812+/-65.992 χ^2/NDF: 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 4478.347+/-59.189 χ^2/NDF: 80042.8/21

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

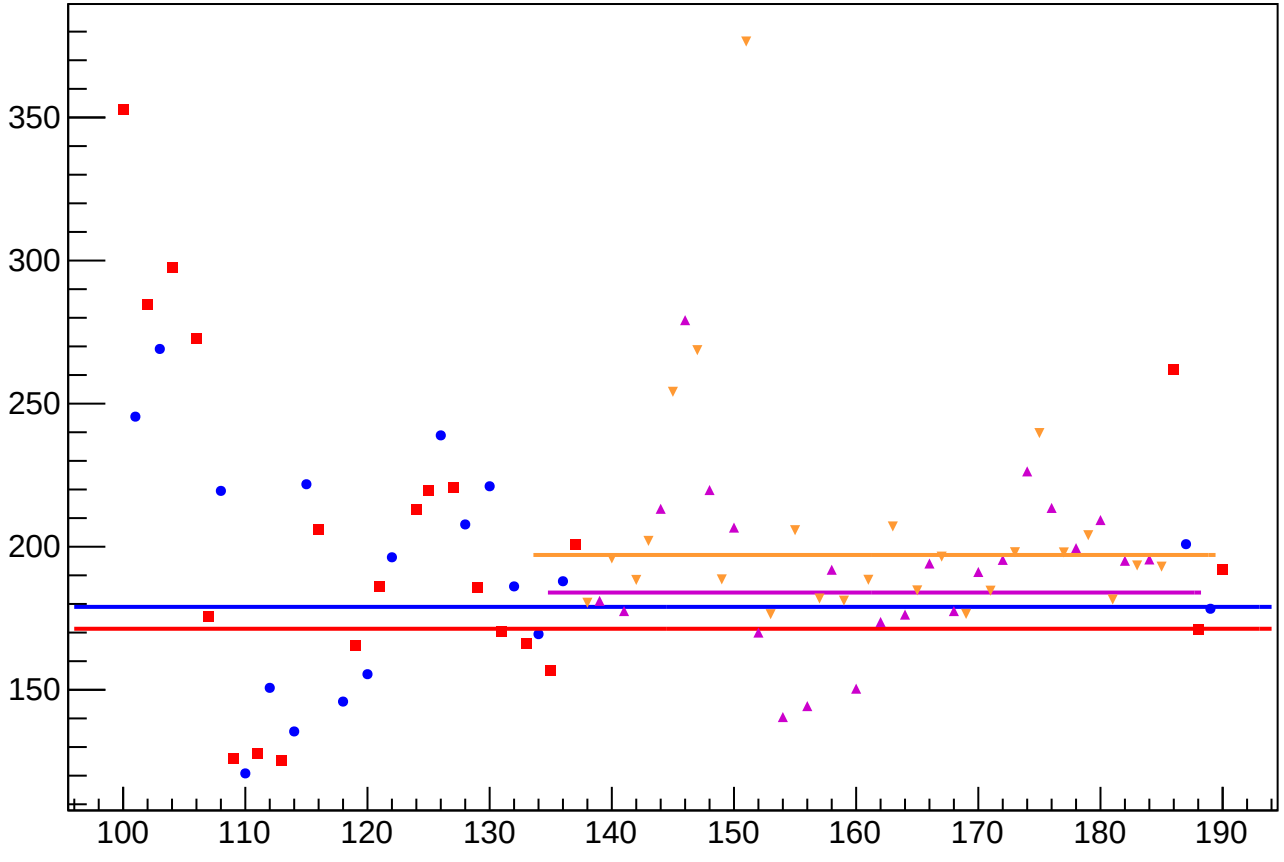
Right: 4694.327+/-44.062 χ^2/NDF: 96489.0/39

In: -6912.574+/-36.721 χ^2/NDF:79338.2/40

Out: -4229.489+/-36.172 χ^2/NDF:179308.1/46

All: -5550.809+/-25.769 χ^2/NDF: 261355.9/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.979+/-0.047 χ^2/NDF: 679142.2/17

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 171.332+/-0.042 χ^2/NDF: 1089449.9/21

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

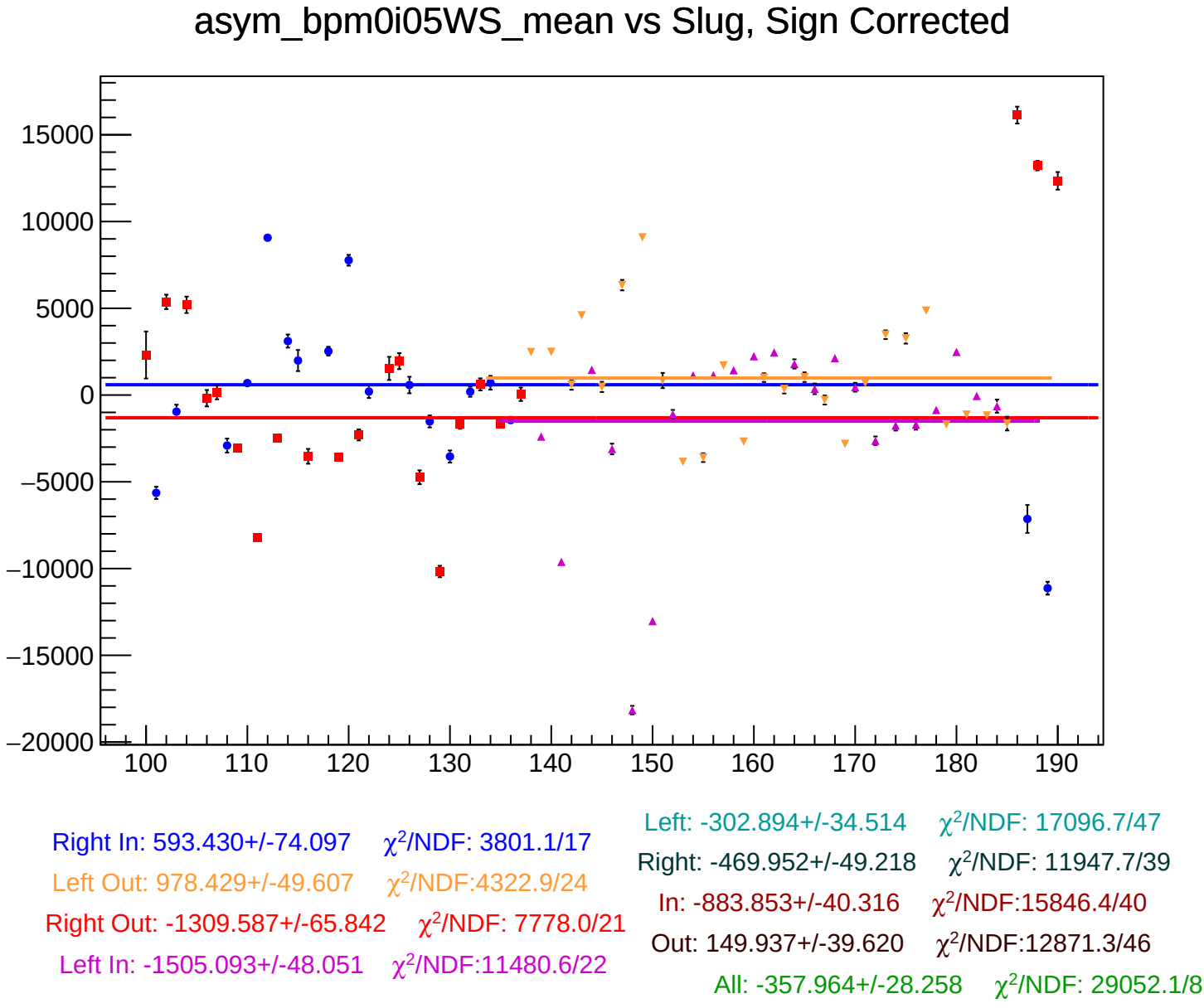
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.741+/-0.031 χ^2/NDF: 1783477.2/39

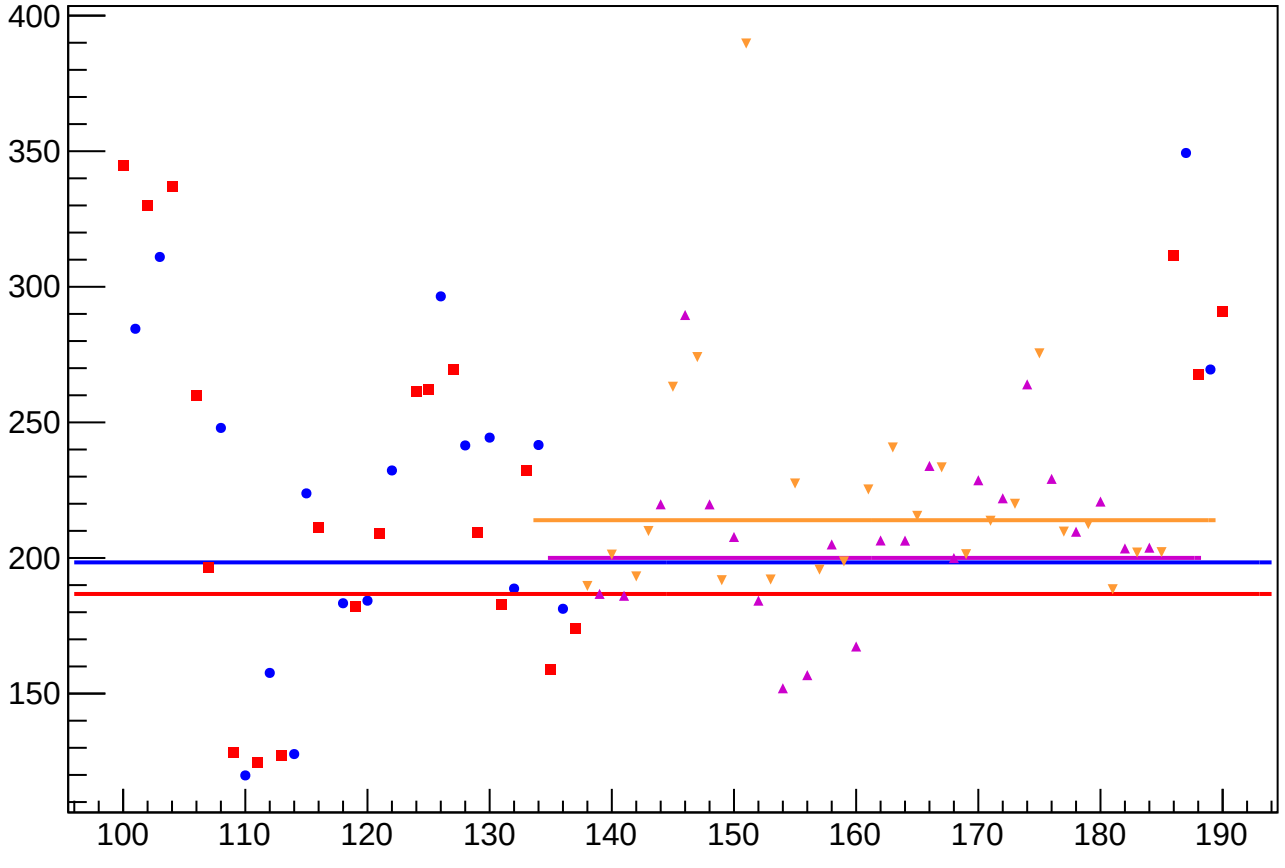
In: 182.435+/-0.026 χ^2/NDF:1516865.7/40

Out: 187.490+/-0.026 χ^2/NDF:2059891.1/46

All: 185.001+/-0.018 χ^2/NDF: 3595992.1/87


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 593.430+/-74.097 χ²/NDF: 3801.1/17
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -1309.587+/-65.842 χ²/NDF: 7778.0/21
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -469.952+/-49.218 χ²/NDF: 11947.7/39
In: -883.853+/-40.316 χ²/NDF:15846.4/40
Out: 149.937+/-39.620 χ²/NDF:12871.3/46
All: -357.964+/-28.258 χ²/NDF: 29052.1/87

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.378+/-0.052 χ^2/NDF: 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 186.731+/-0.047 χ^2/NDF: 1788390.8/21

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

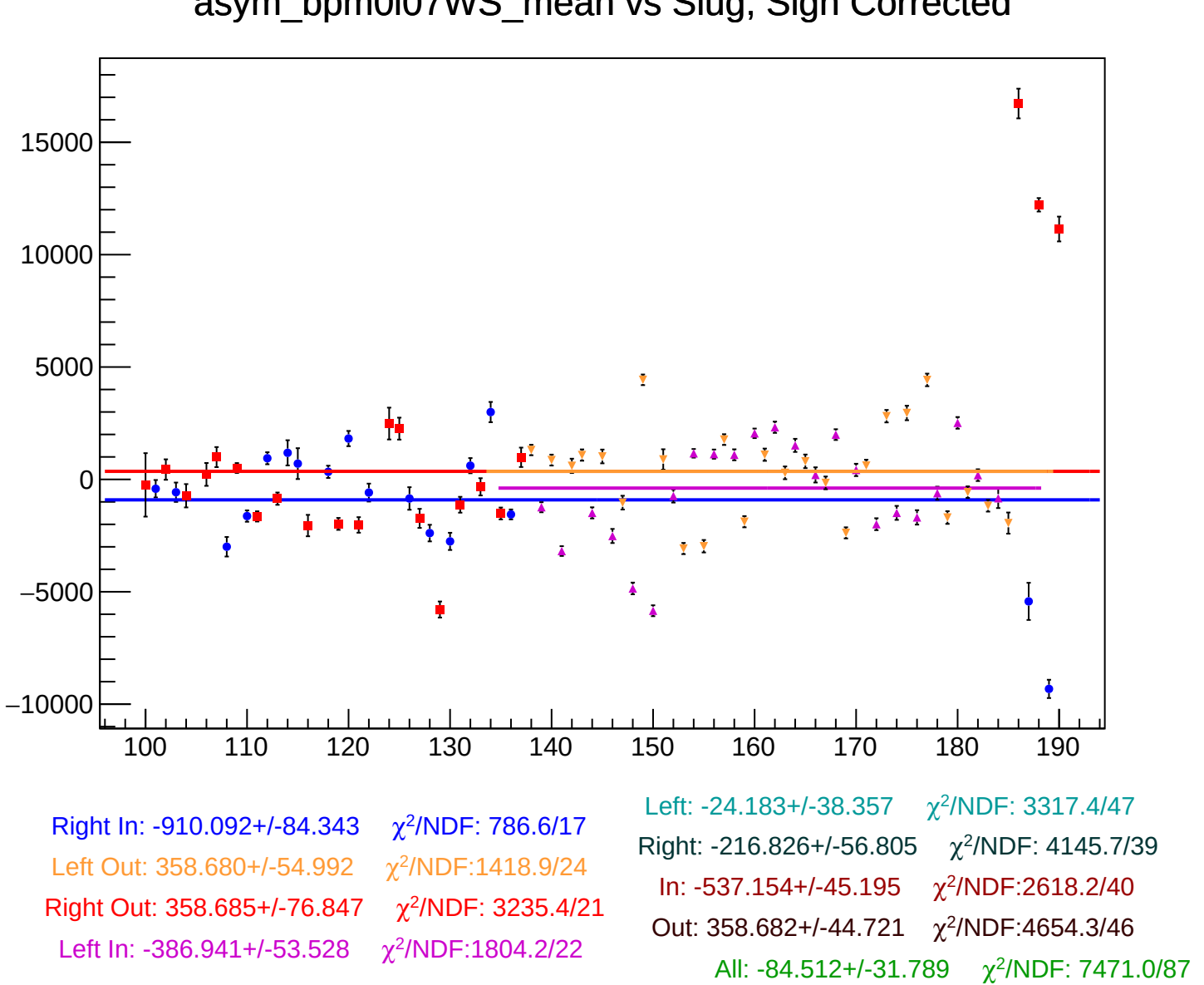
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 191.870+/-0.035 χ^2/NDF: 2932131.3/39

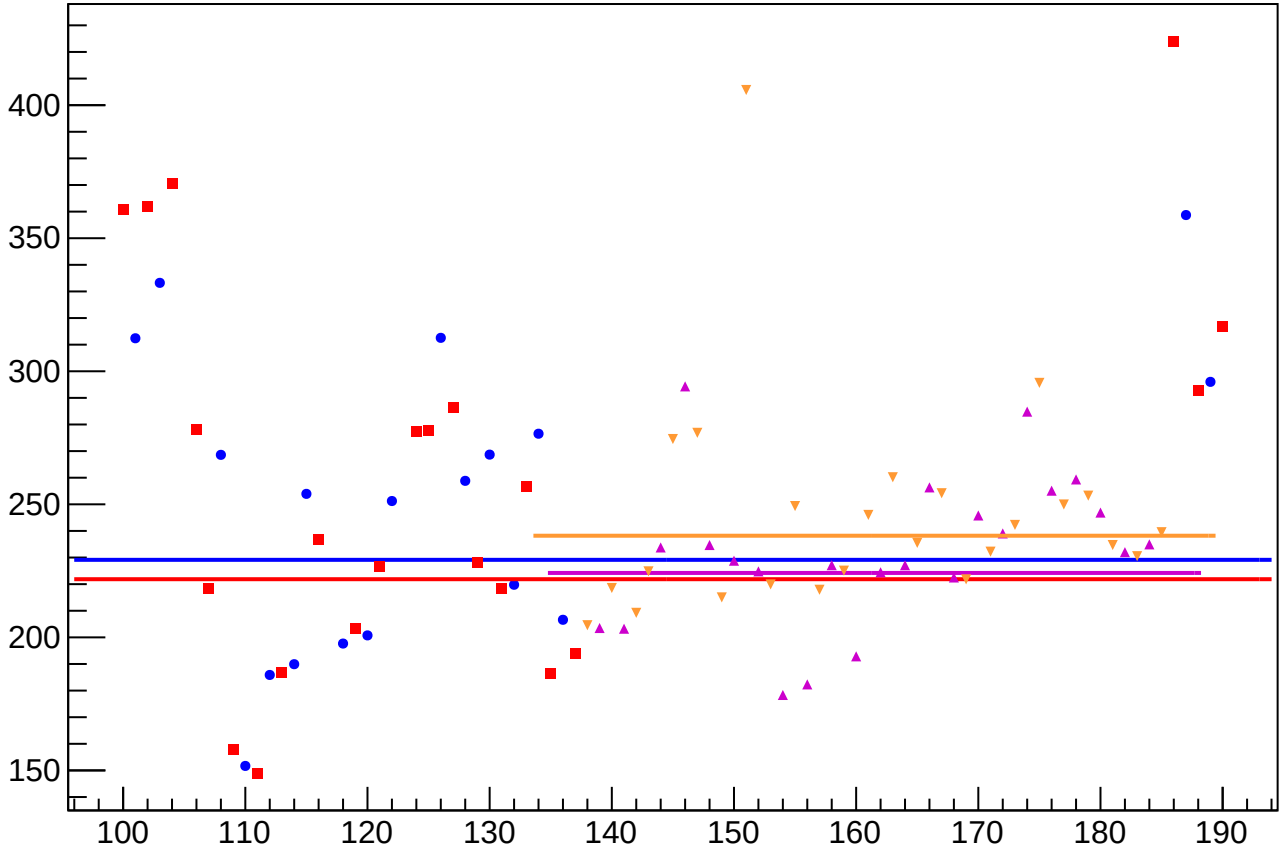
In: 199.541+/-0.029 χ^2/NDF:1902351.9/40

Out: 204.082+/-0.028 χ^2/NDF:2739758.3/46

All: 201.851+/-0.020 χ^2/NDF: 4655014.8/87


asym_bpm0i07WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -910.092+/-84.343 χ²/NDF: 786.6/17
Left Out: 358.680+/-54.992 χ²/NDF:1418.9/24
Right Out: 358.685+/-76.847 χ²/NDF: 3235.4/21
Left In: -386.941+/-53.528 χ²/NDF:1804.2/22
Left: -24.183+/-38.357 χ²/NDF: 3317.4/47
Right: -216.826+/-56.805 χ²/NDF: 4145.7/39
In: -537.154+/-45.195 χ²/NDF:2618.2/40
Out: 358.682+/-44.721 χ²/NDF:4654.3/46
All: -84.512+/-31.789 χ²/NDF: 7471.0/87

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 229.138+/-0.060 χ^2/NDF: 761567.8/17

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 221.858+/-0.054 χ^2/NDF: 1323723.9/21

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

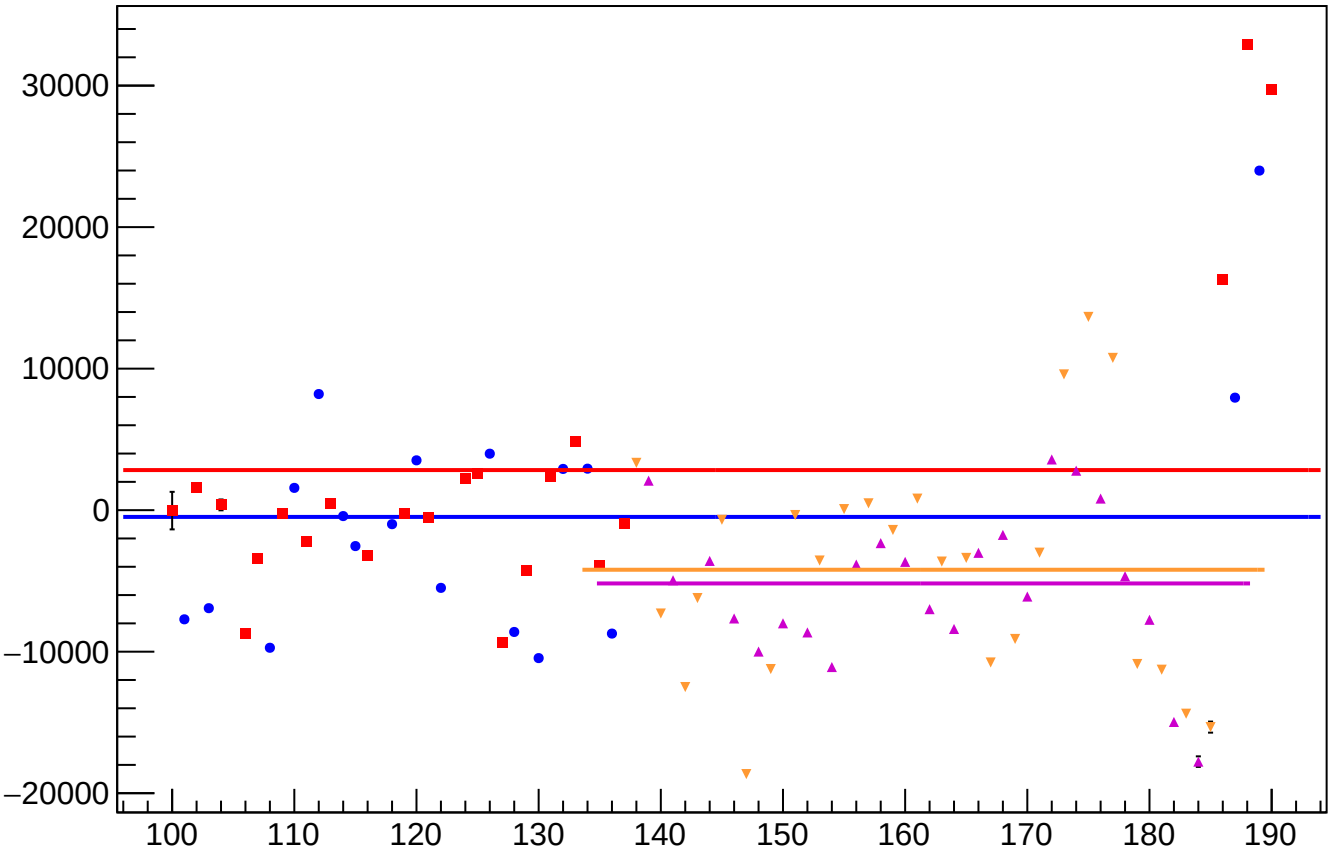
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 225.160+/-0.040 χ^2/NDF: 2093432.8/39

In: 225.626+/-0.032 χ^2/NDF:1329662.4/40

Out: 232.665+/-0.032 χ^2/NDF:1951466.9/46

All: 229.183+/-0.022 χ^2/NDF: 3305641.3/87



Right In: -477.369+/-45.003 χ^2/NDF: 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 2832.730+/-41.414 χ^2/NDF: 73949.2/21

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

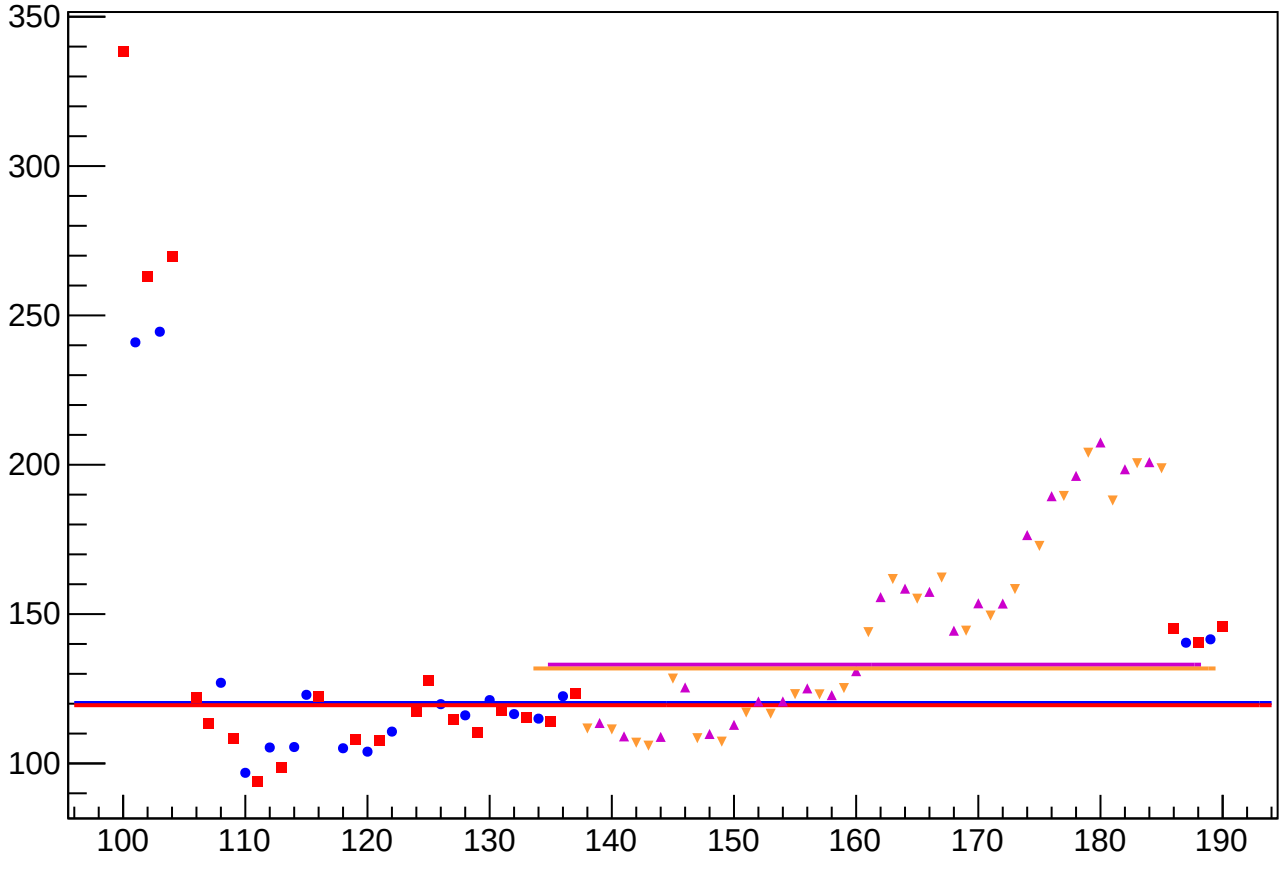
Right: 1314.915+/-30.474 χ^2/NDF: 111024.2/39

In: -3601.619+/-26.063 χ^2/NDF:59938.5/40

Out: -1699.346+/-24.729 χ^2/NDF:149362.9/46

All: -2600.574+/-17.939 χ^2/NDF: 212104.9/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 120.232+/-0.032 χ^2/NDF: 768129.0/17

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 119.498+/-0.029 χ^2/NDF: 968434.2/21

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

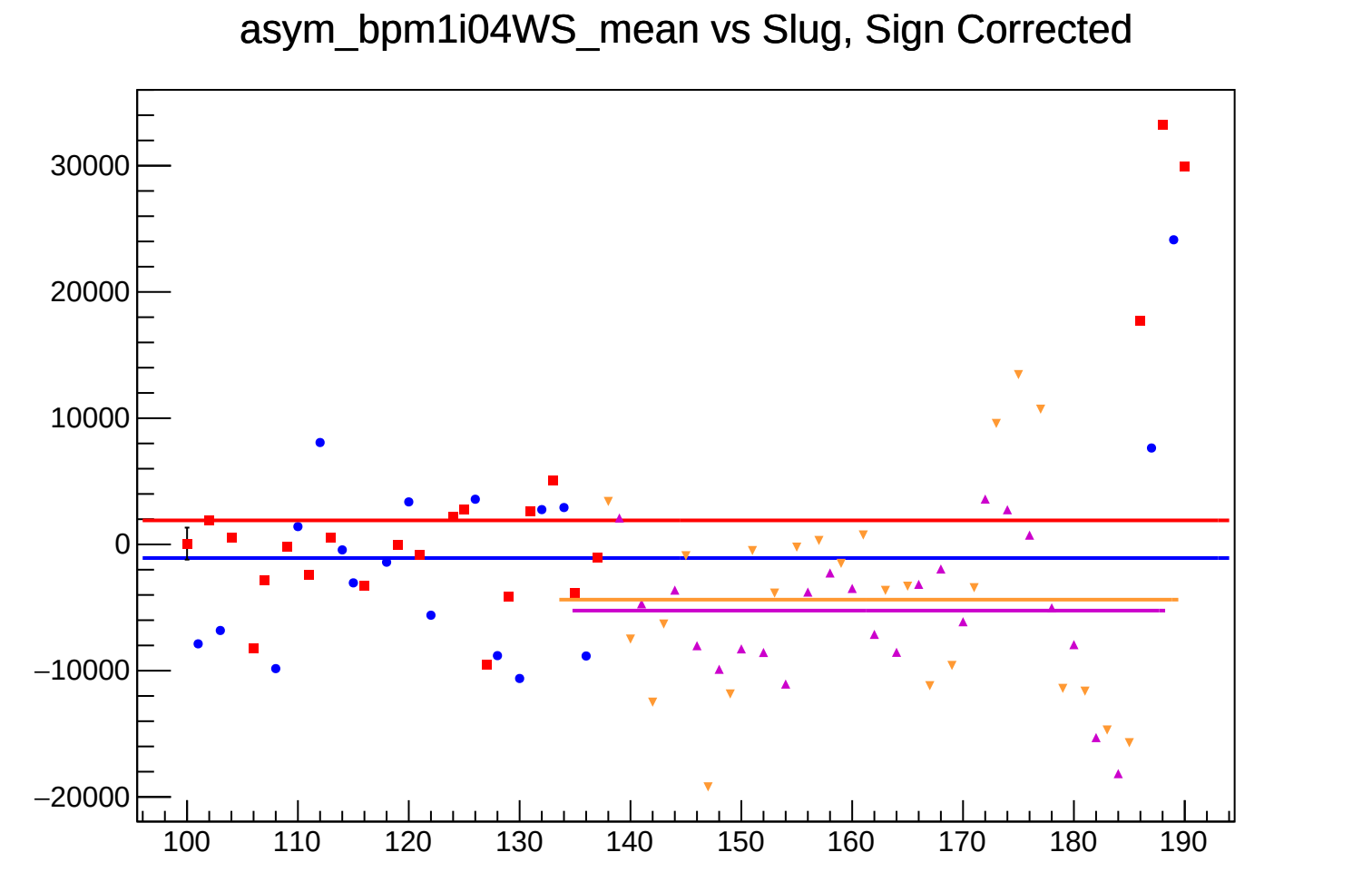
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 119.834+/-0.022 χ^2/NDF: 1736850.8/39

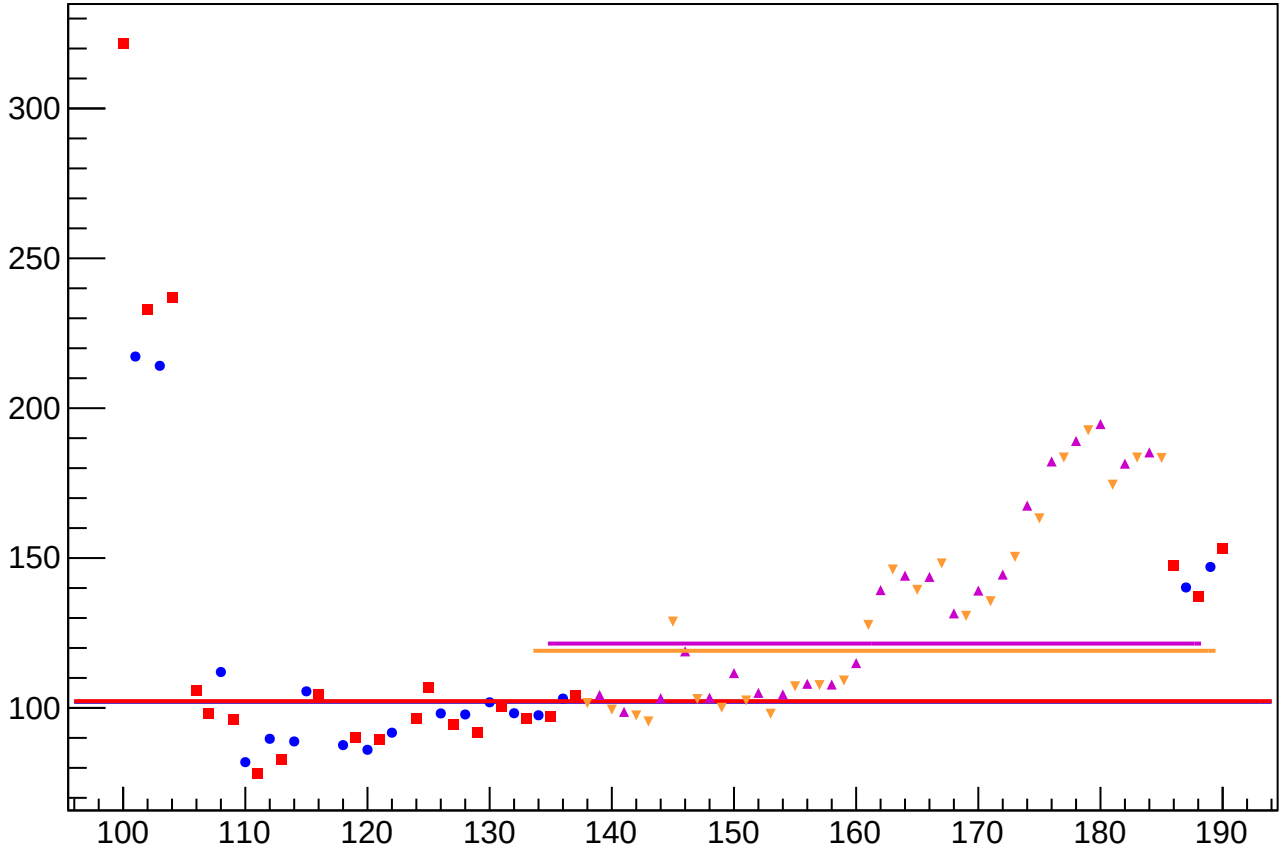
In: 128.758+/-0.018 χ^2/NDF:2294409.9/40

Out: 127.412+/-0.017 χ^2/NDF:2626277.6/46

All: 128.050+/-0.013 χ^2/NDF: 4923495.0/87


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -1077.282+/-38.621 χ²/NDF: 39724.2/17
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 1906.277+/-35.876 χ²/NDF: 82219.0/21
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 524.293+/-26.285 χ²/NDF: 125146.7/39
In: -3722.408+/-23.318 χ²/NDF:69378.9/40
Out: -2000.574+/-22.051 χ²/NDF:168497.0/46
All: -2813.440+/-16.022 χ²/NDF: 240754.2/8

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 102.056+/-0.027 χ^2/NDF: 941472.3/17

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 102.243+/-0.025 χ^2/NDF: 1232212.4/21

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

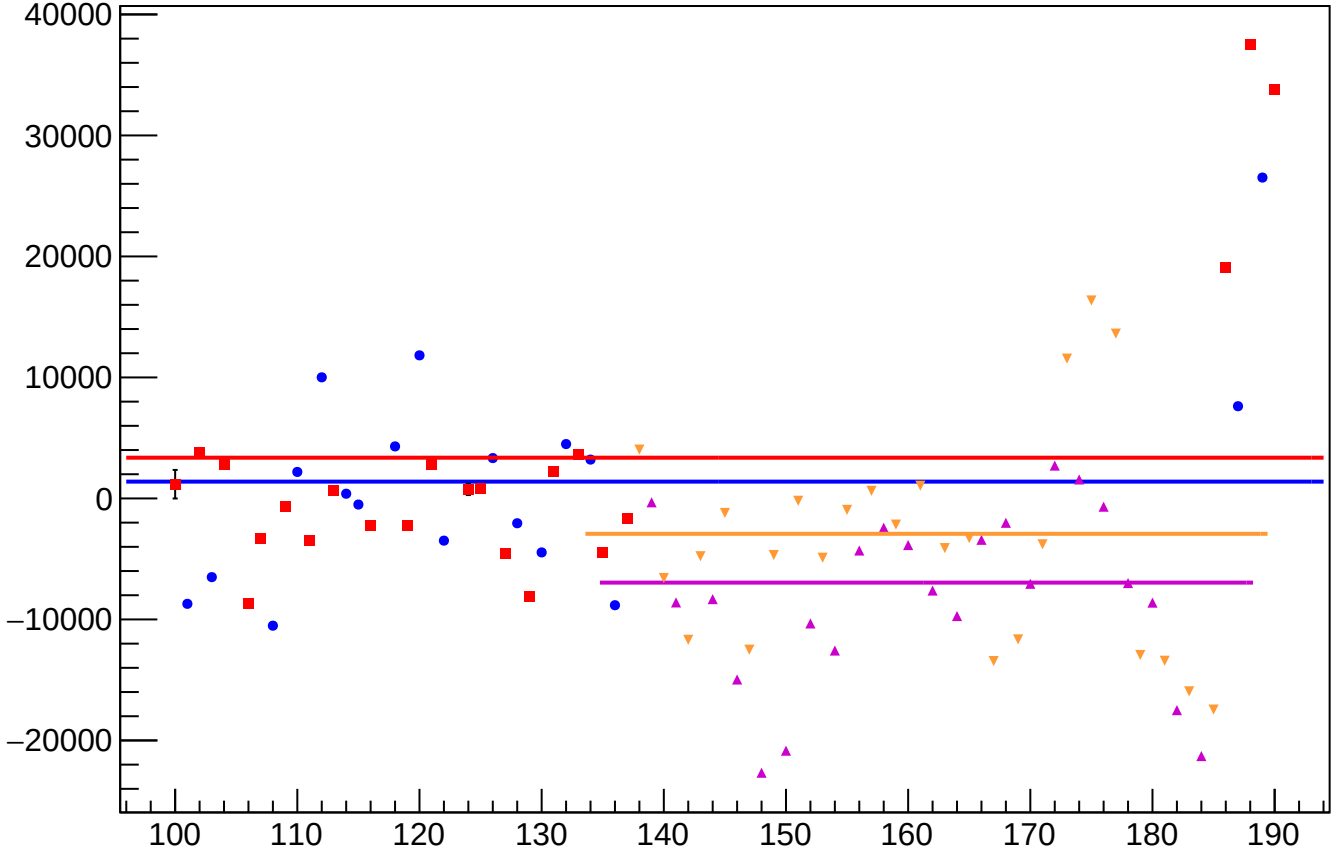
Right: 102.157+/-0.019 χ^2/NDF: 2173709.8/39

In: 114.392+/-0.016 χ^2/NDF:2791912.1/40

Out: 112.709+/-0.016 χ^2/NDF:3261216.2/46

All: 113.504+/-0.011 χ^2/NDF: 6058624.8/87

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 1389.486+/-51.644 χ^2/NDF: 29203.6/17

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 3367.091+/-48.130 χ^2/NDF: 68508.7/21

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

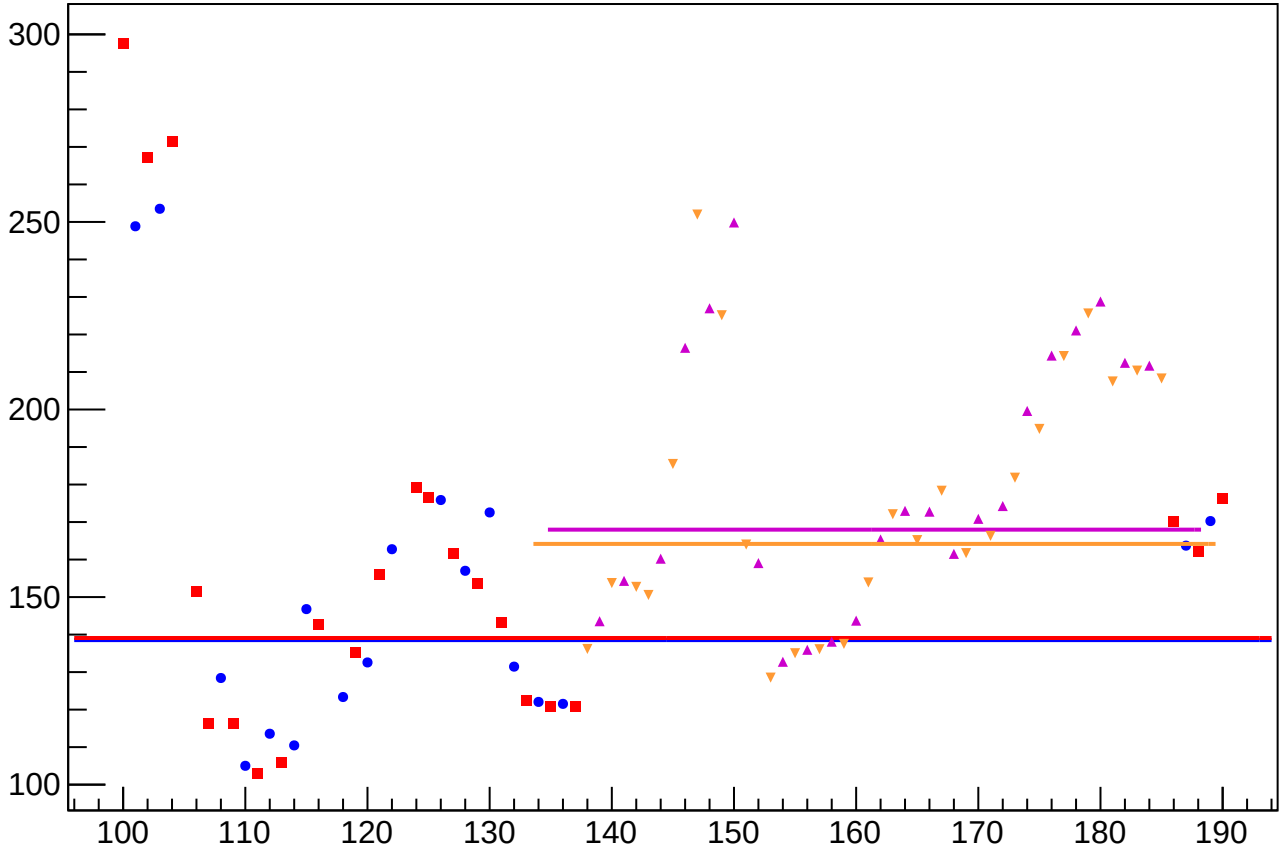
Right: 2447.852+/-35.210 χ^2/NDF: 98497.0/39

In: -3803.372+/-31.744 χ^2/NDF:67793.1/40

Out: -493.224+/-29.914 χ^2/NDF:117043.4/46

All: -2050.114+/-21.771 χ^2/NDF: 190595.7/8

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 138.530+/-0.037 χ^2/NDF: 845413.8/17

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 139.092+/-0.034 χ^2/NDF: 1029215.5/21

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

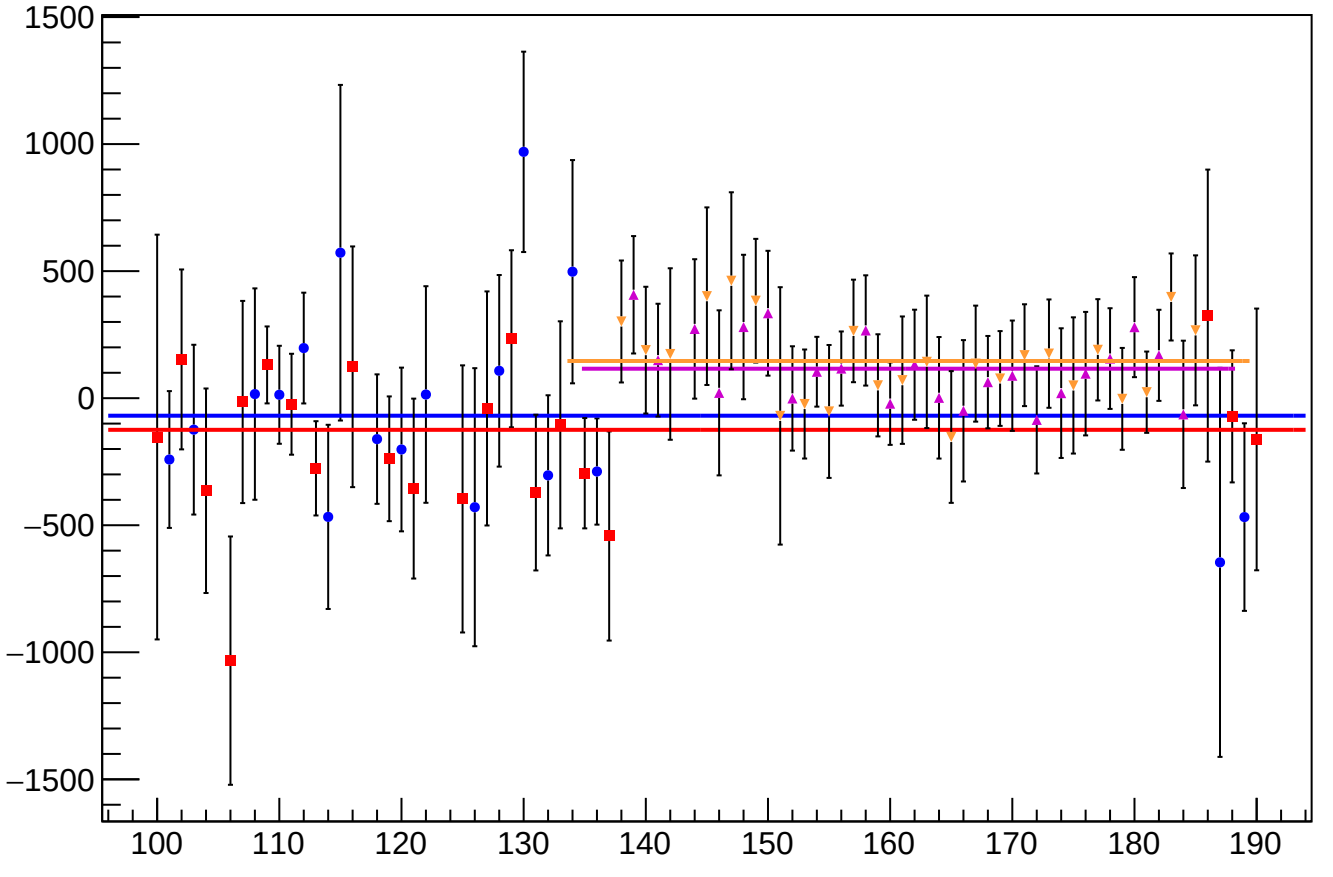
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 138.831+/-0.025 χ^2/NDF: 1874756.1/39

In: 156.850+/-0.022 χ^2/NDF:2472676.0/40

Out: 154.484+/-0.021 χ^2/NDF:2586918.6/46

All: 155.597+/-0.015 χ^2/NDF: 5065478.4/87



Right In: -68.968+/-74.351 χ^2/NDF: 17.3/17

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -124.535+/-65.197 χ^2/NDF: 13.5/20

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

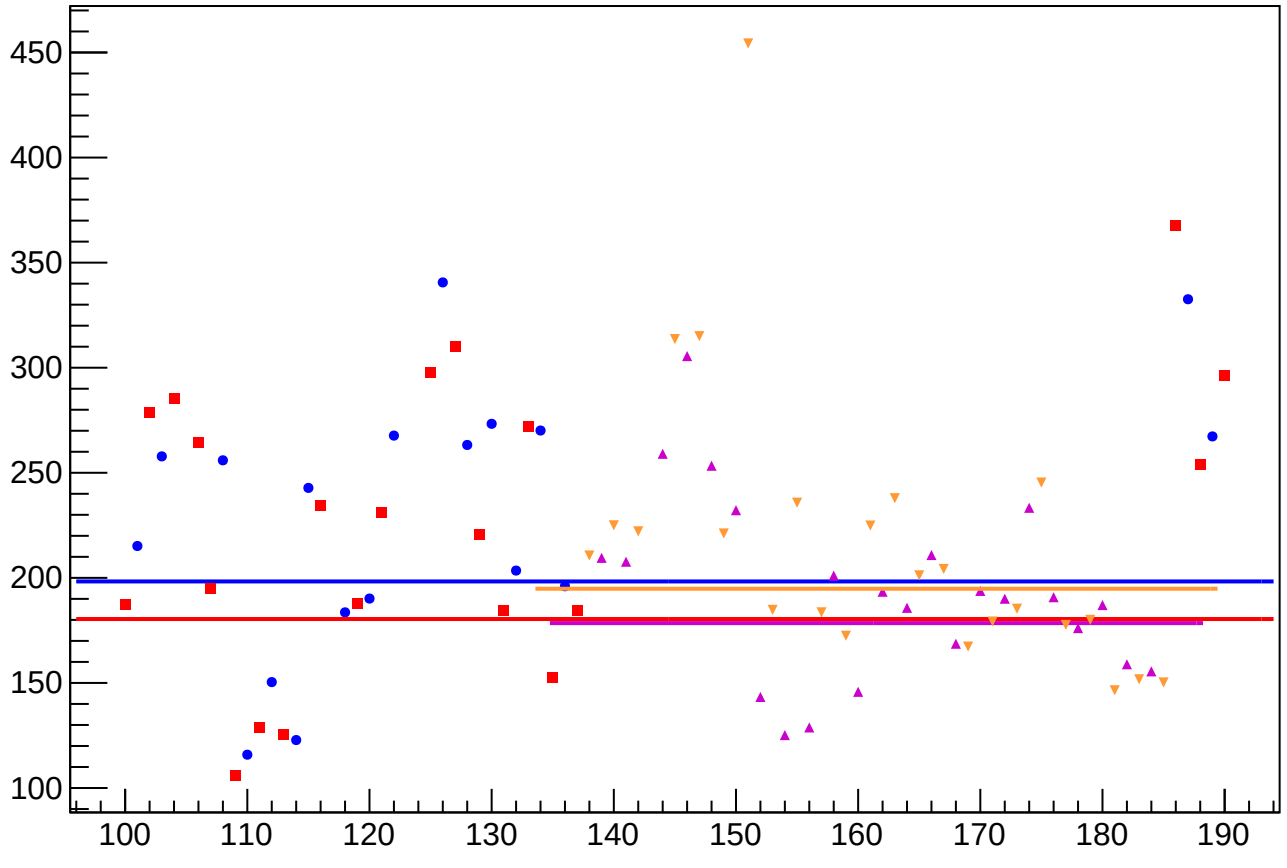
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -100.381+/-49.020 χ^2/NDF: 31.1/38

In: 68.643+/-37.613 χ^2/NDF:29.5/40

Out: 53.901+/-38.088 χ^2/NDF:34.8/44

All: 61.365+/-26.763 χ^2/NDF: 64.4/85



Right In: 198.297+/-0.053 χ^2/NDF: 1181319.8/17

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 180.414+/-0.046 χ^2/NDF: 2107915.8/20

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

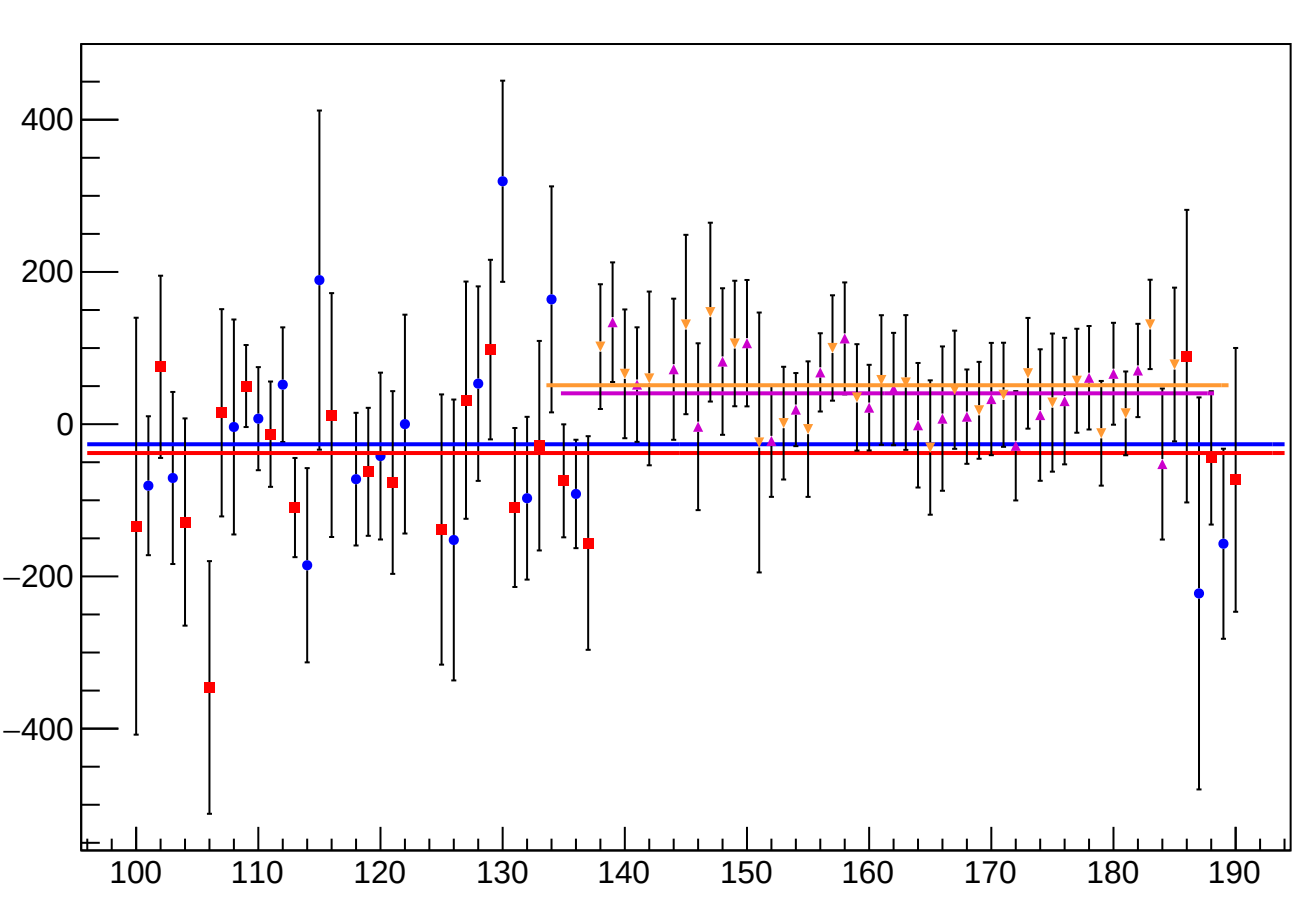
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 188.187+/-0.035 χ^2/NDF: 3354646.9/38

In: 183.548+/-0.027 χ^2/NDF:2963357.7/40

Out: 189.909+/-0.027 χ^2/NDF:3924789.0/44

All: 186.689+/-0.019 χ^2/NDF: 6916384.8/85



Right In: -26.381+/-25.444 χ^2/NDF: 17.0/17

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -37.911+/-22.483 χ^2/NDF: 13.1/20

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

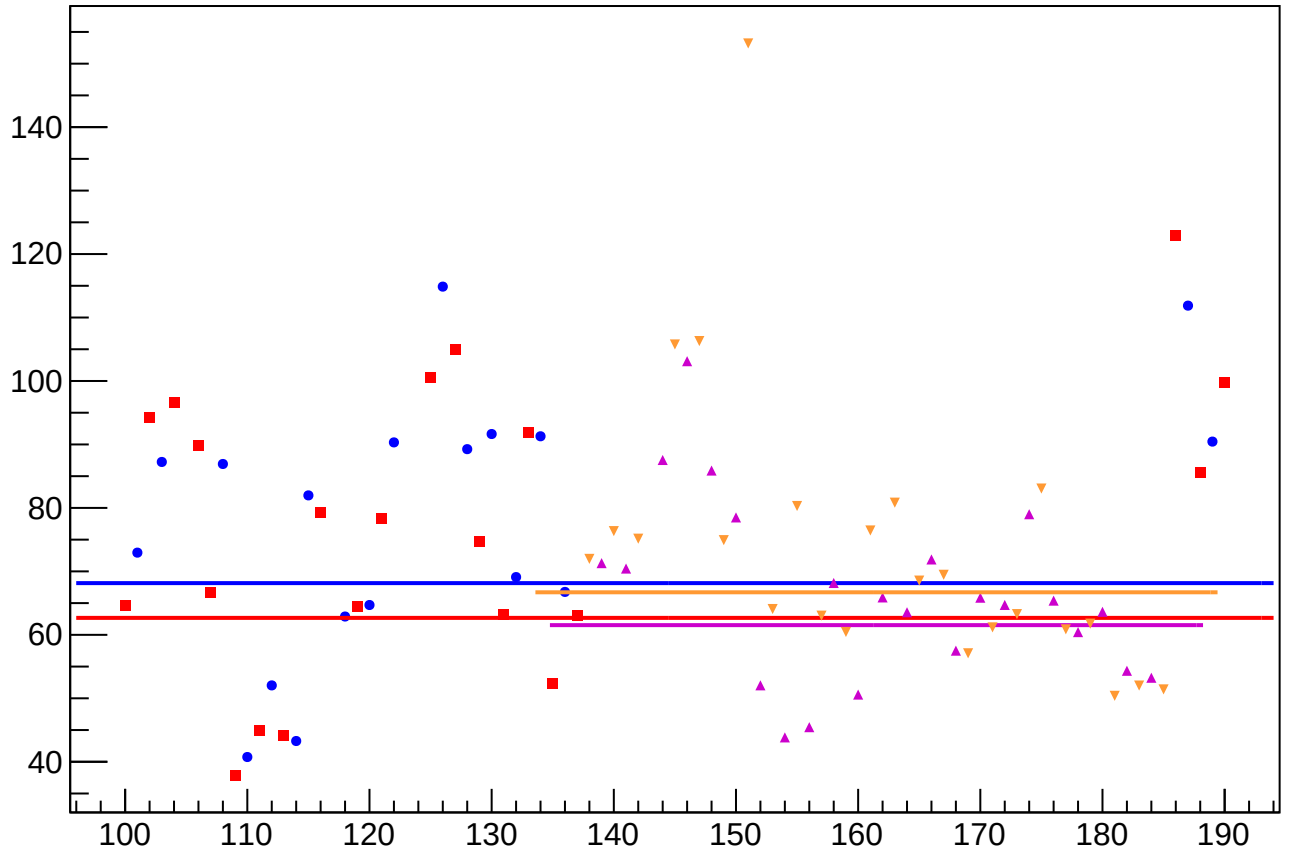
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -32.856+/-16.848 χ^2/NDF: 30.2/38

In: 23.318+/-12.907 χ^2/NDF:30.0/40

Out: 21.125+/-13.056 χ^2/NDF:31.6/44

All: 22.234+/-9.179 χ^2/NDF: 61.6/85



Right In: 68.150+/-0.018 χ^2/NDF: 1074425.7/17

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 62.673+/-0.016 χ^2/NDF: 1908292.9/20

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

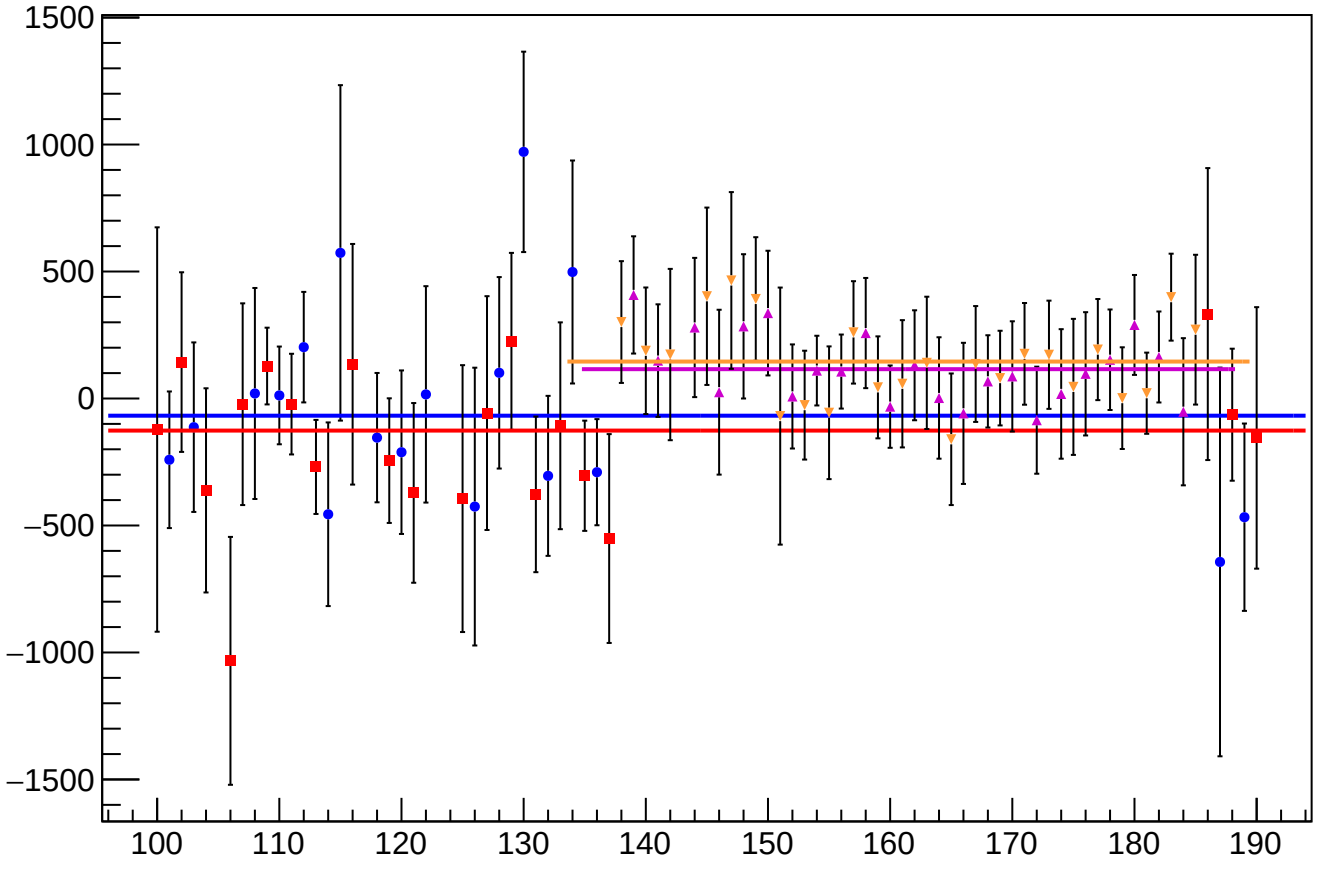
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 65.074+/-0.012 χ^2/NDF: 3034761.1/38

In: 63.233+/-0.009 χ^2/NDF:2664857.1/40

Out: 65.344+/-0.009 χ^2/NDF:3627215.1/44

All: 64.276+/-0.006 χ^2/NDF: 6318520.7/85



Right In: -67.684+/-74.270 χ^2/NDF: 17.3/17

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -126.289+/-65.118 χ^2/NDF: 13.6/20

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

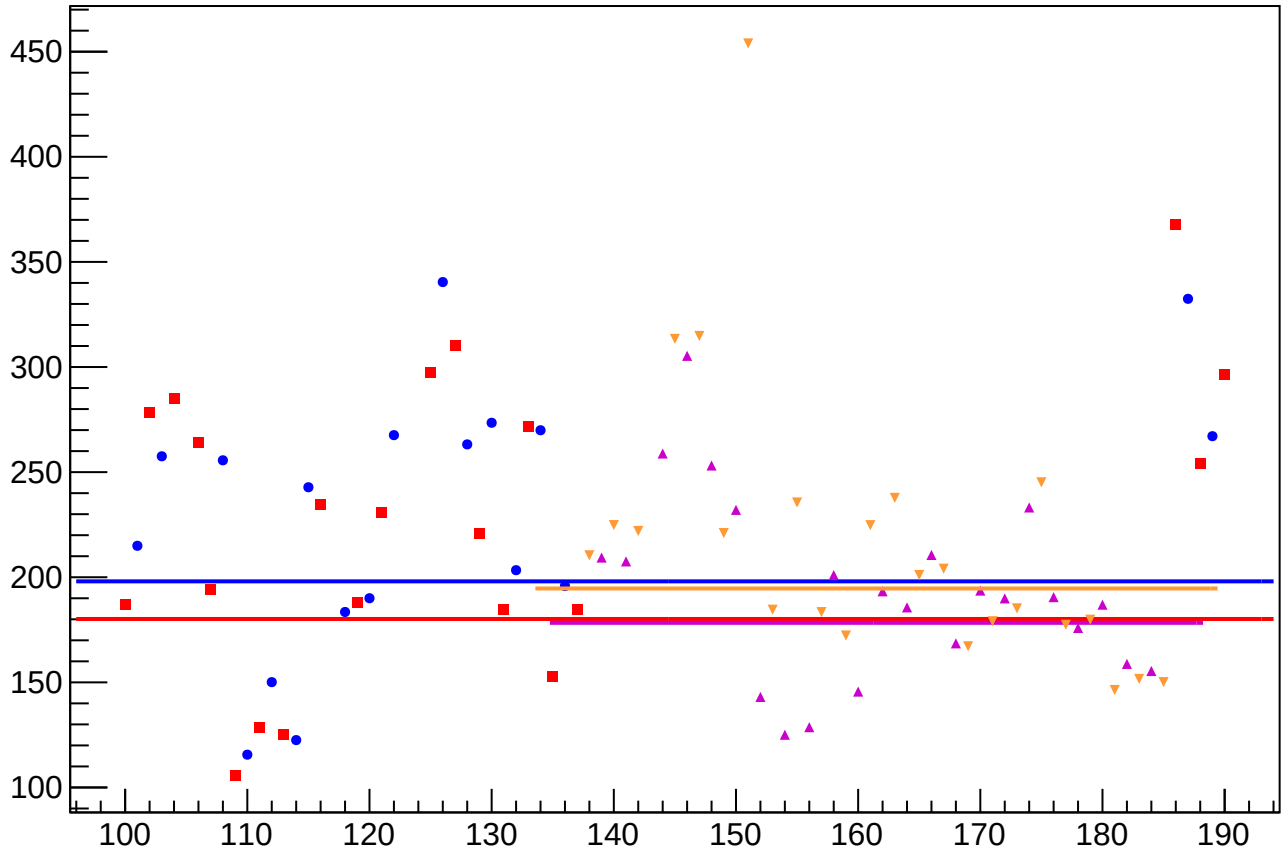
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -100.818+/-48.963 χ^2/NDF: 31.2/38

In: 68.592+/-37.579 χ^2/NDF:29.6/40

Out: 52.682+/-38.051 χ^2/NDF:35.3/44

All: 60.736+/-26.738 χ^2/NDF: 65.0/85



Right In: 198.047+/-0.053 χ^2/NDF: 1186199.6/17

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 180.149+/-0.046 χ^2/NDF: 2115655.0/20

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

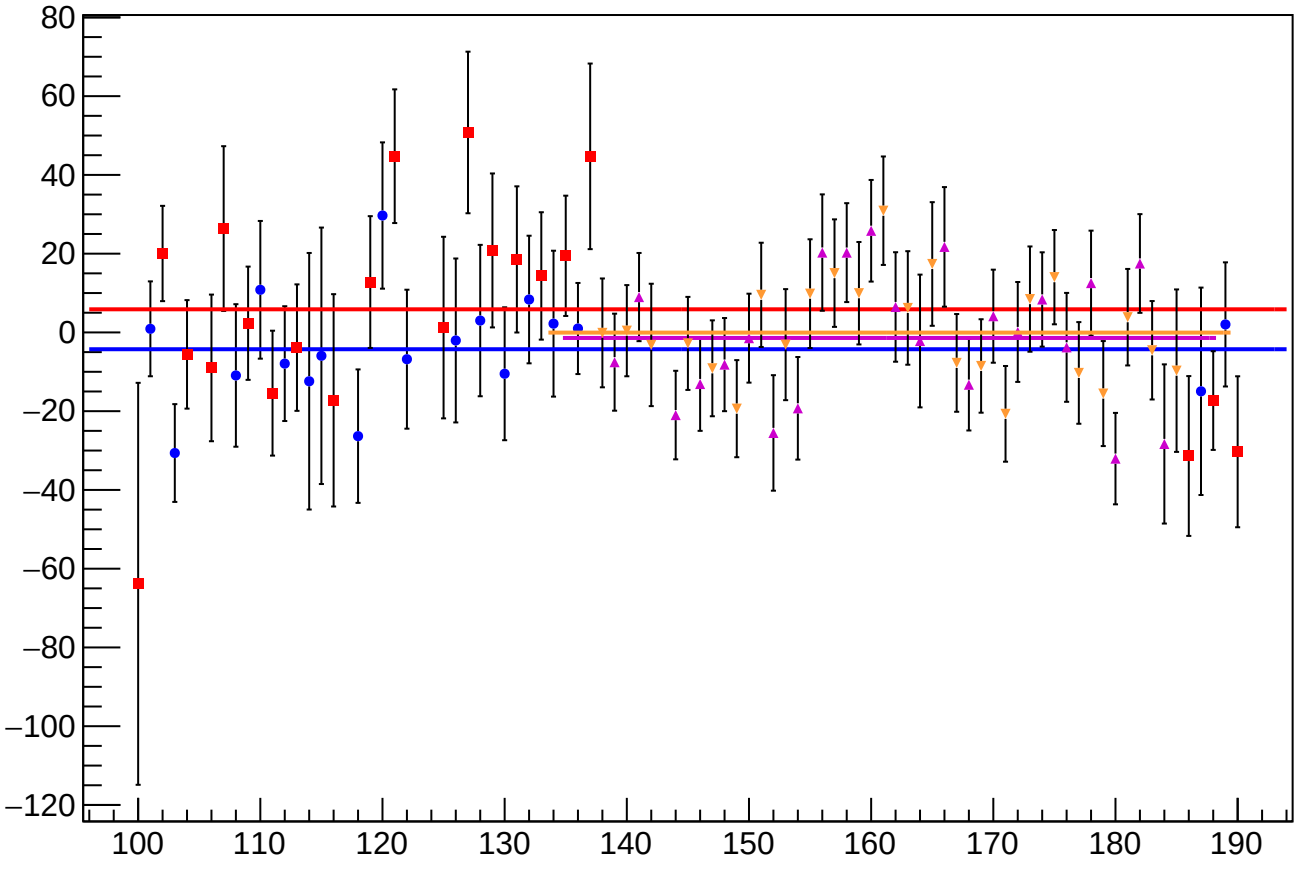
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 187.928+/-0.035 χ^2/NDF: 3367524.7/38

In: 183.369+/-0.027 χ^2/NDF:2969539.3/40

Out: 189.705+/-0.027 χ^2/NDF:3934171.0/44

All: 186.497+/-0.019 χ^2/NDF: 6931780.4/85



Right In: -4.270+/-3.951 χ^2/NDF: 12.3/17

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 5.869+/-3.781 χ^2/NDF: 33.9/20

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

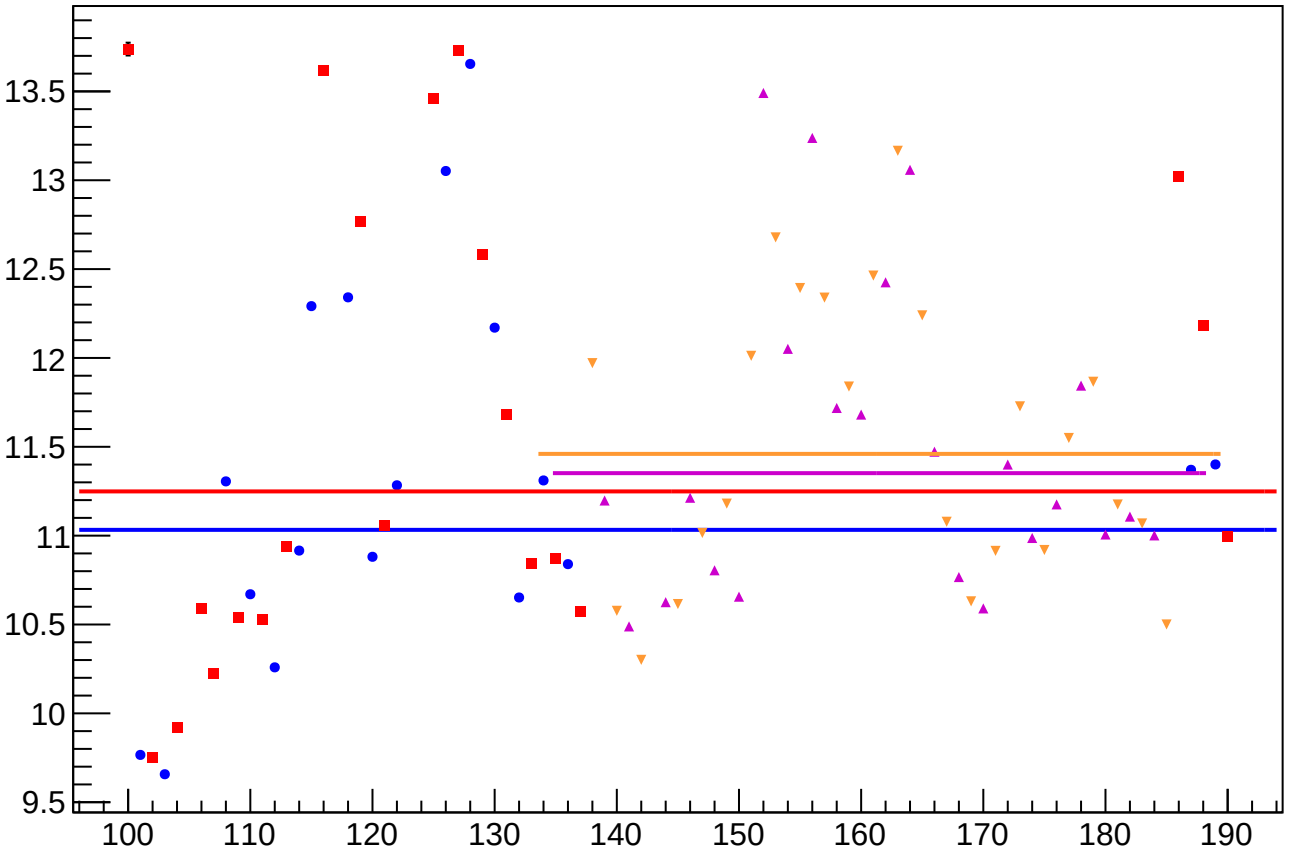
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 1.023+/-2.731 χ^2/NDF: 49.7/38

In: -2.306+/-2.214 χ^2/NDF:49.0/40

Out: 1.937+/-2.189 χ^2/NDF:56.0/44

All: -0.160+/-1.557 χ^2/NDF: 106.9/85



Right In: 11.033+/-0.003 χ^2/NDF: 137710.8/17

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.249+/-0.003 χ^2/NDF: 192069.8/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

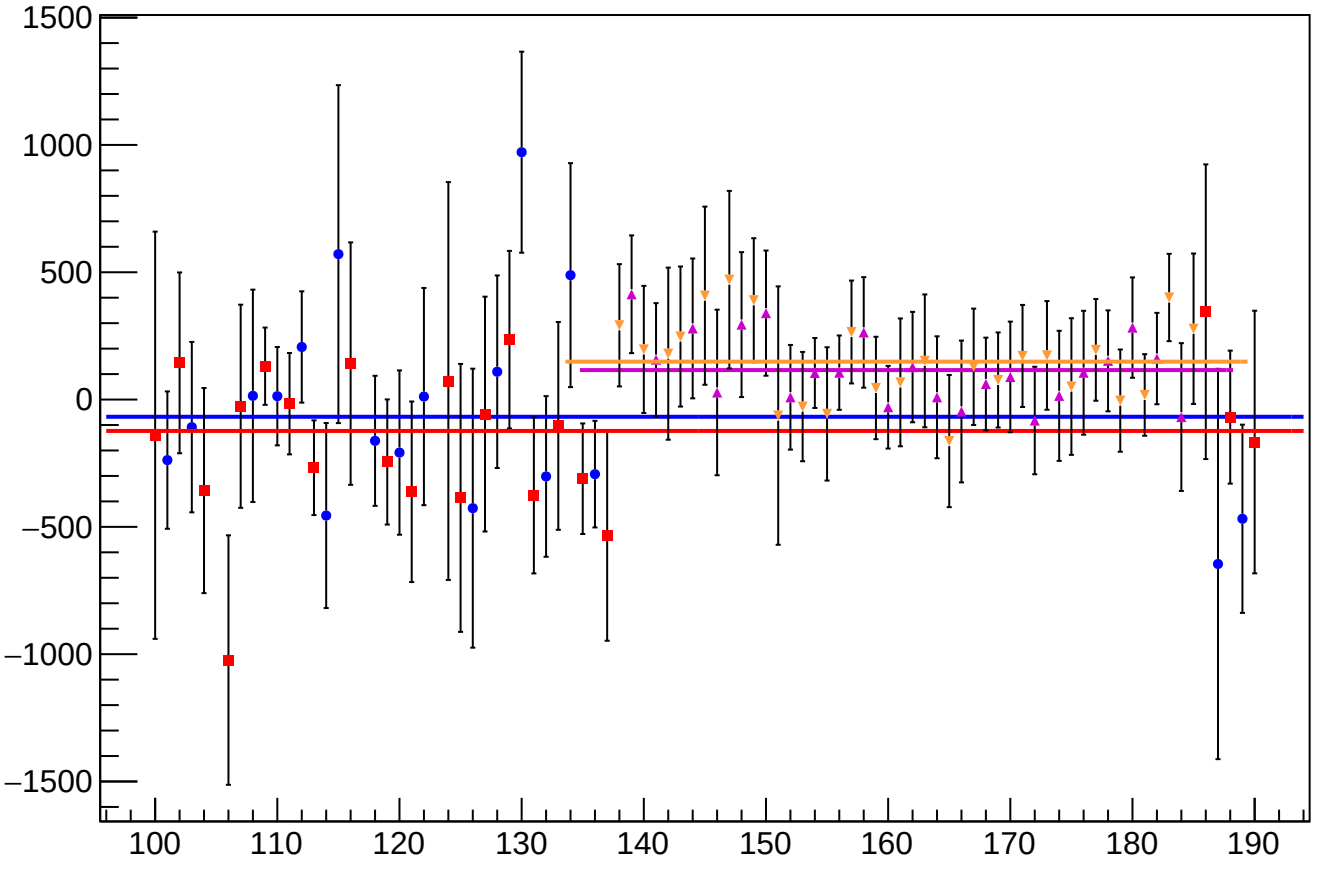
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.146+/-0.002 χ^2/NDF: 332910.6/38

In: 11.251+/-0.002 χ^2/NDF:317222.7/40

Out: 11.389+/-0.002 χ^2/NDF:346647.1/44

All: 11.321+/-0.001 χ^2/NDF: 667789.4/85



Right In: -67.666+/-74.487 χ^2/NDF: 17.3/17

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -123.268+/-65.100 χ^2/NDF: 13.6/21

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

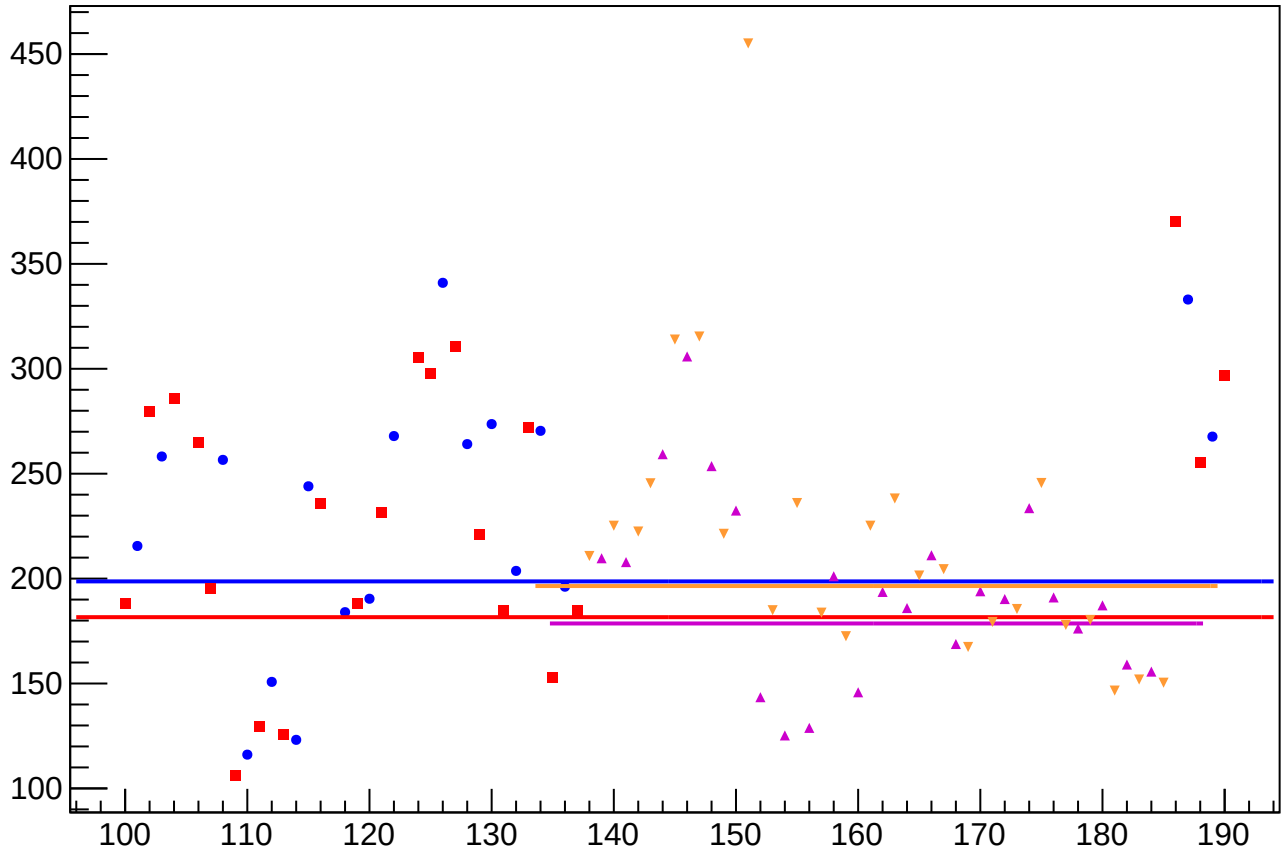
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -99.190+/-49.017 χ^2/NDF: 31.1/39

In: 68.848+/-37.654 χ^2/NDF:29.6/40

Out: 57.462+/-37.734 χ^2/NDF:35.7/46

All: 63.167+/-26.654 χ^2/NDF: 65.3/87



Right In: 198.670+/-0.053 χ^2/NDF: 1179442.0/17

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 181.619+/-0.046 χ^2/NDF: 2162114.3/21

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

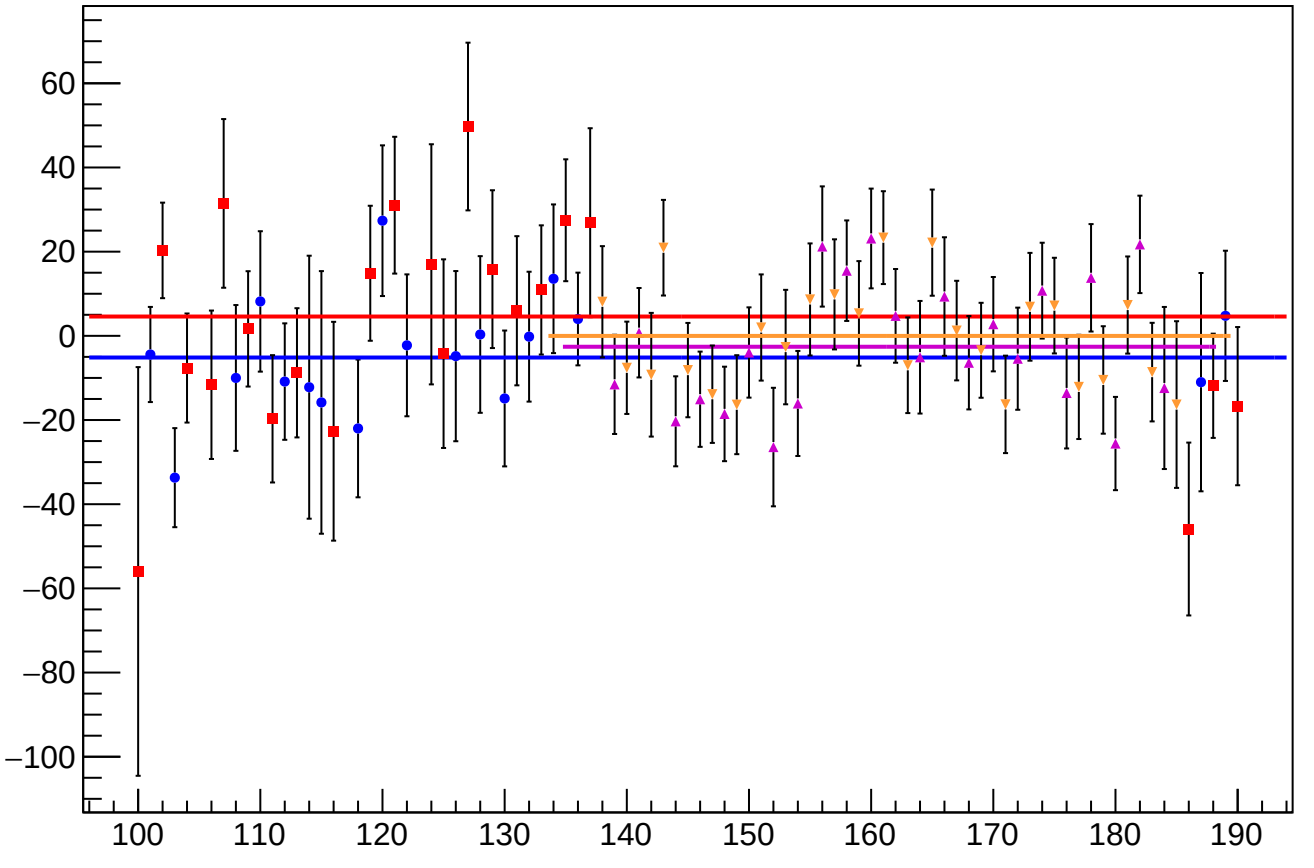
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 189.003+/-0.035 χ^2/NDF: 3400974.4/39

In: 183.739+/-0.027 χ^2/NDF:2966250.2/40

Out: 191.470+/-0.027 χ^2/NDF:4049827.0/46

All: 187.596+/-0.019 χ^2/NDF: 7058141.0/87



Right In: -5.150+/-3.777 χ^2/NDF: 14.2/17

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 4.588+/-3.593 χ^2/NDF: 33.1/21

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

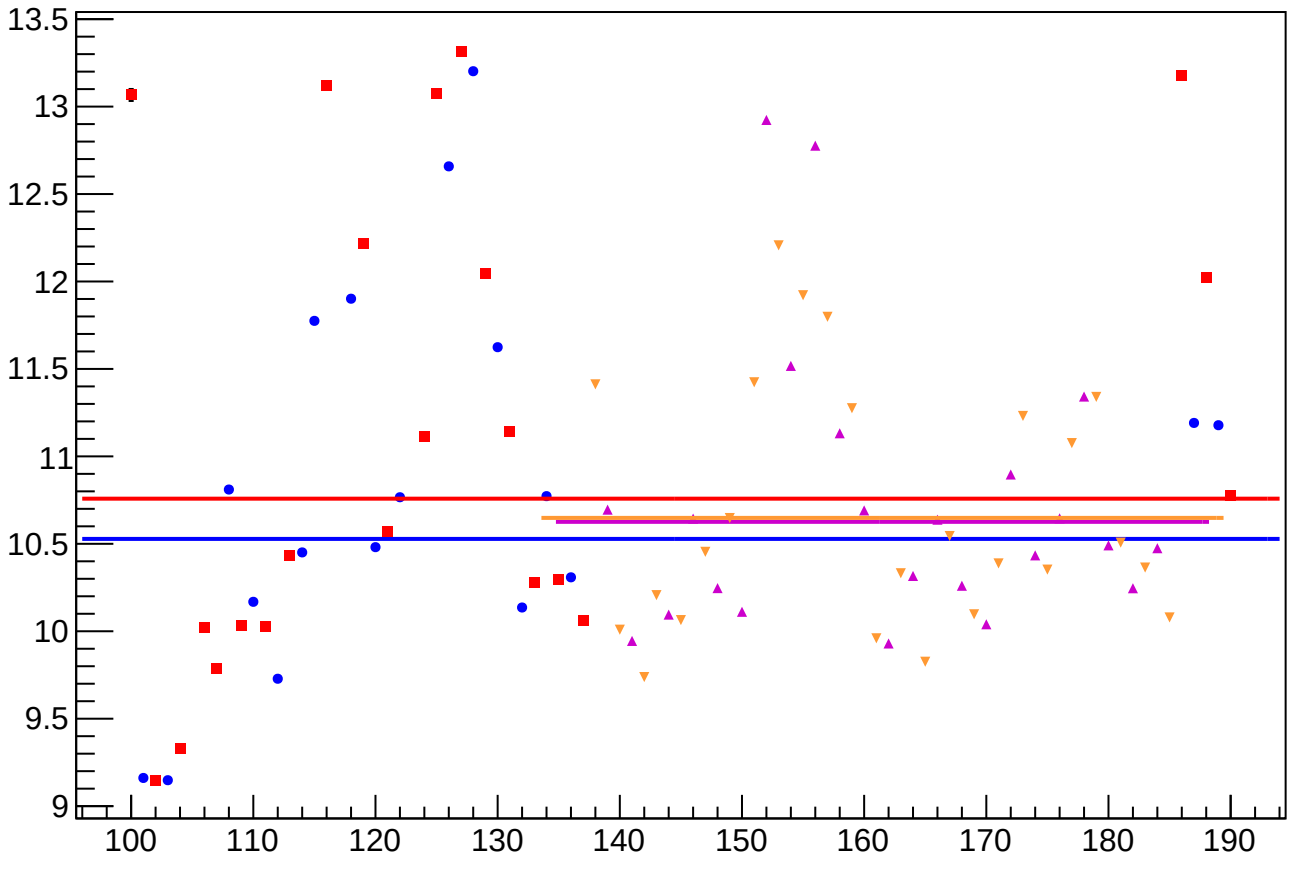
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.039+/-2.603 χ^2/NDF: 50.8/39

In: -3.373+/-2.088 χ^2/NDF:49.2/40

Out: 1.440+/-2.021 χ^2/NDF:58.0/46

All: -0.889+/-1.452 χ^2/NDF: 110.0/87


asym_bcm_an_us_an_ds3_dd_rms vs Slug, Sign Corrected
13.5
13
12.5
12
11.5
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10.5
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9.5
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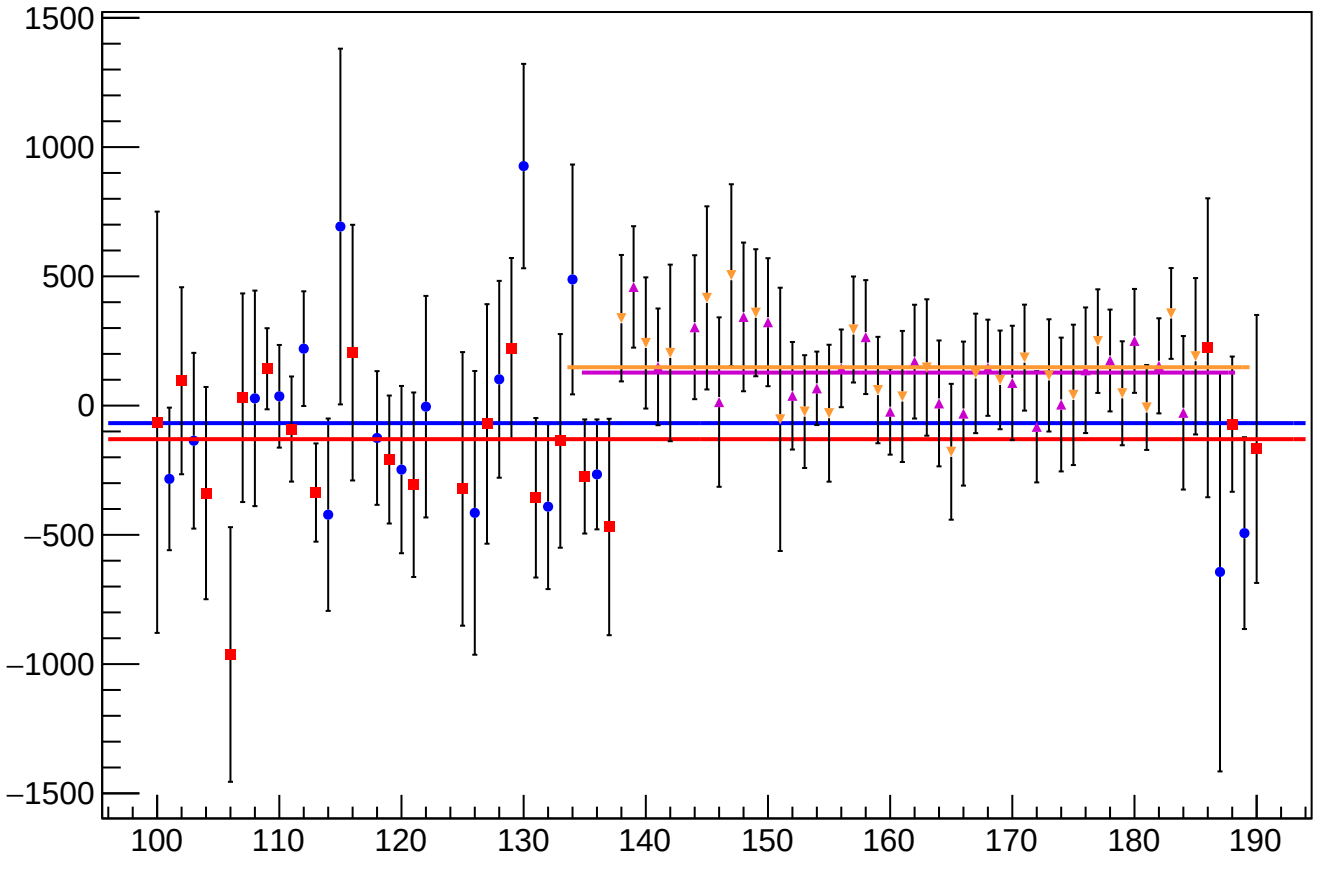
Right In: 10.528+/-0.003 χ²/NDF: 162631.3/17
Left Out: 10.648+/-0.002 χ²/NDF:143535.9/24
Right Out: 10.758+/-0.003 χ²/NDF: 241473.9/21
Left In: 10.626+/-0.002 χ²/NDF:159543.1/22
Left: 10.637+/-0.001 χ²/NDF: 303162.3/47
Right: 10.649+/-0.002 χ²/NDF: 408001.4/39
In: 10.596+/-0.001 χ²/NDF:323102.2/40
Out: 10.683+/-0.001 χ²/NDF:386288.3/46
All: 10.641+/-0.001 χ²/NDF: 711191.0/87



Right In: -67.819+/-75.575 χ^2/NDF: 17.4/17

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -129.851+/-66.463 χ^2/NDF: 11.9/20

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

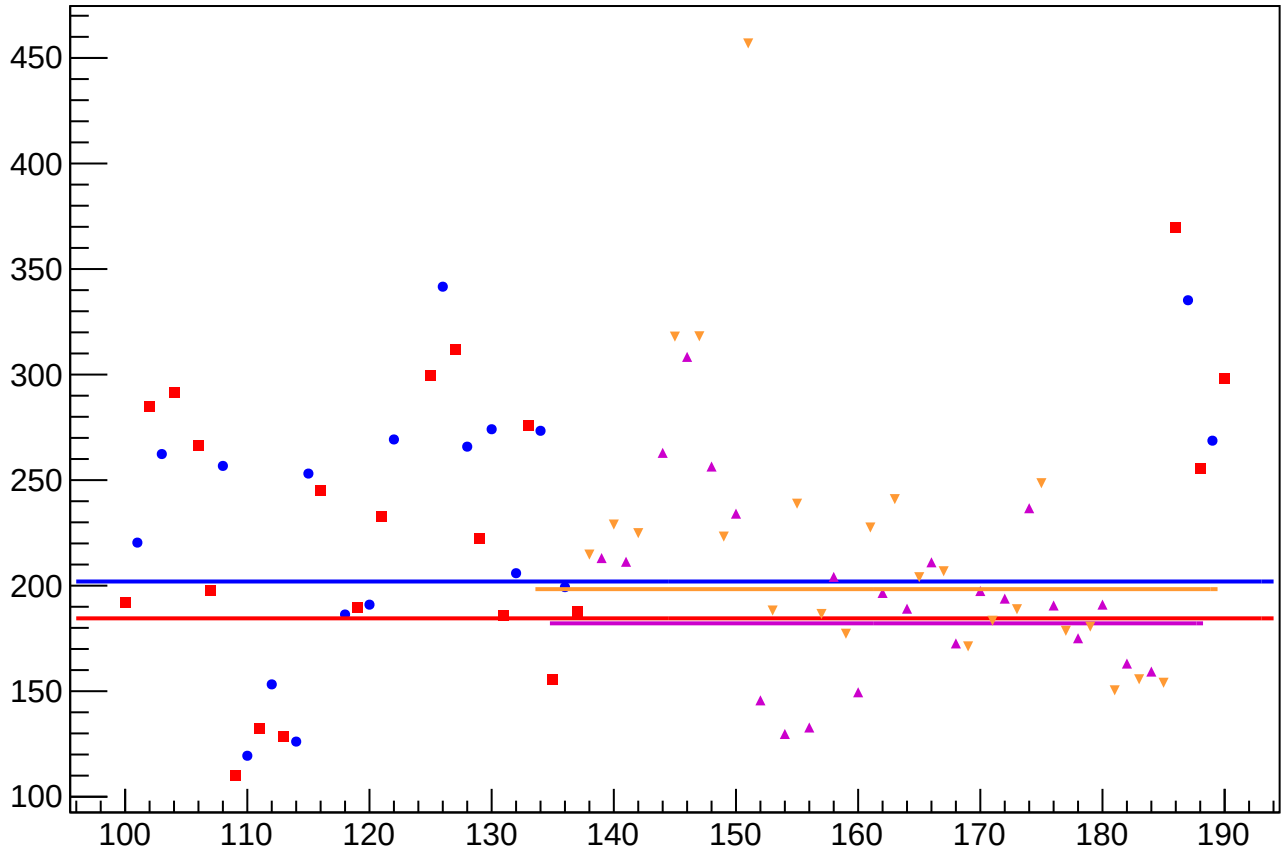
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -102.799+/-49.909 χ^2/NDF: 29.7/38

In: 77.495+/-38.299 χ^2/NDF:30.2/40

Out: 53.776+/-38.763 χ^2/NDF:33.4/44

All: 65.778+/-27.244 χ^2/NDF: 63.8/85



Right In: 201.973+/-0.053 χ^2/NDF: 1130700.3/17

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 184.513+/-0.047 χ^2/NDF: 2024006.9/20

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

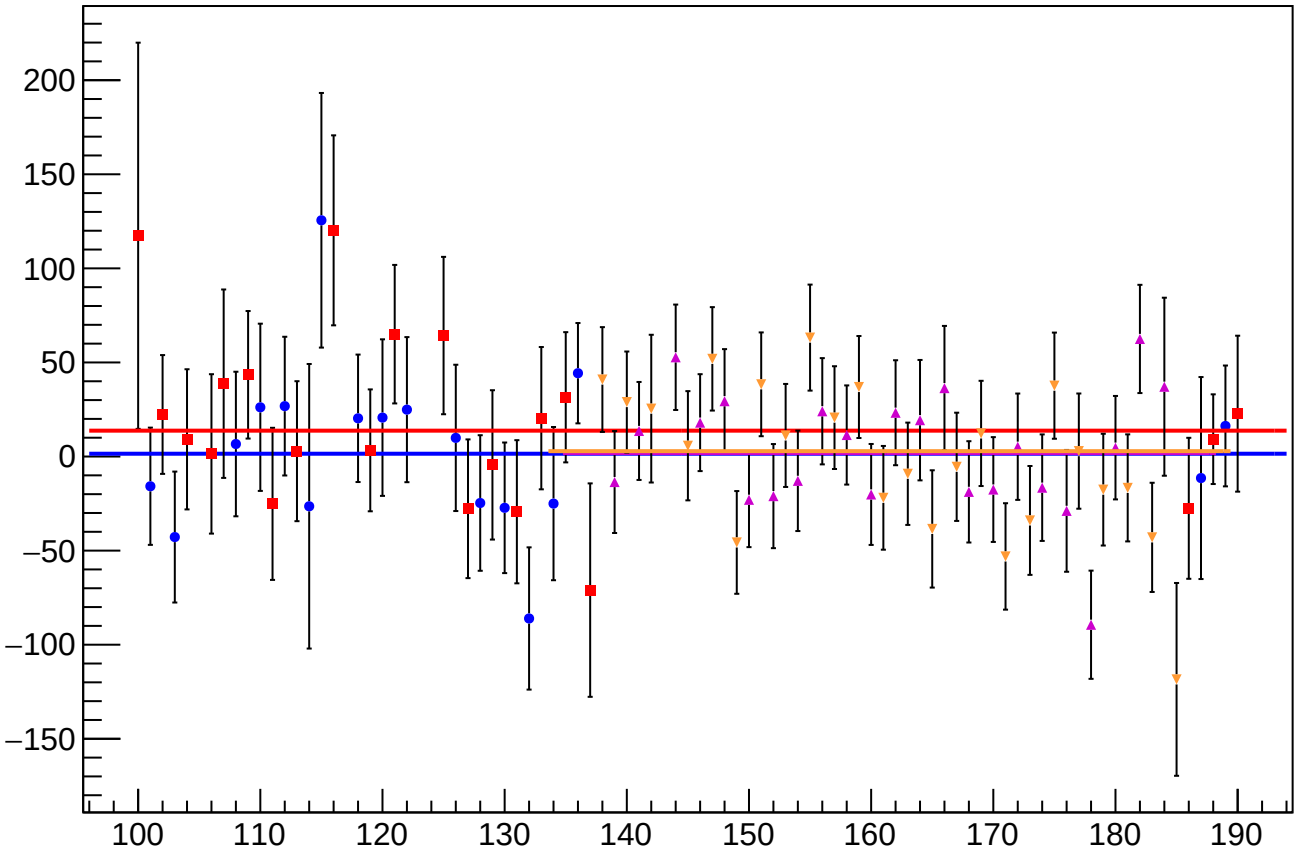
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 192.127+/-0.035 χ^2/NDF: 3214902.3/38

In: 187.241+/-0.027 χ^2/NDF:2817315.6/40

Out: 193.644+/-0.027 χ^2/NDF:3778278.1/44

All: 190.404+/-0.019 χ^2/NDF: 6623208.1/85



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 13.751+/-8.276 χ^2/NDF: 17.8/20

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

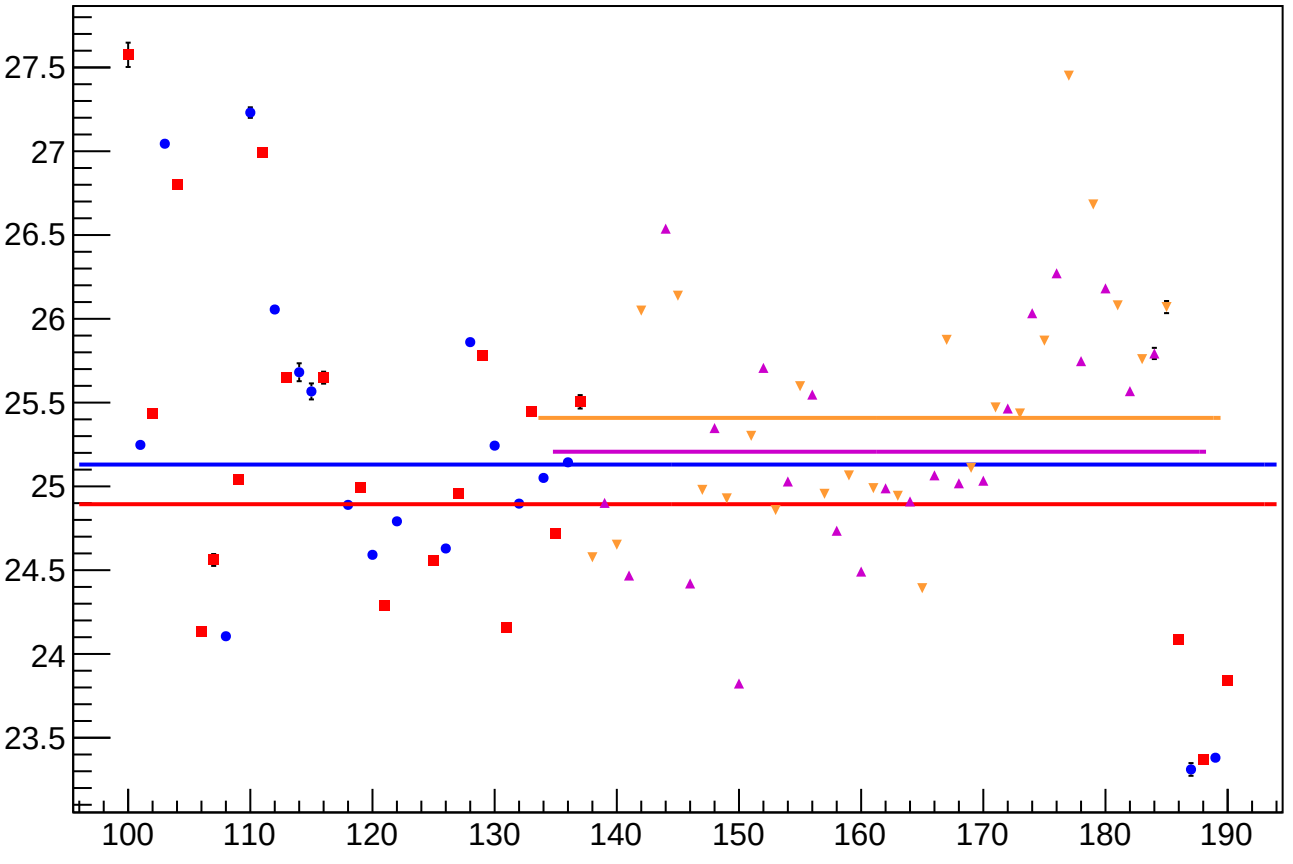
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 8.077+/-6.065 χ^2/NDF: 35.8/38

In: 1.741+/-4.916 χ^2/NDF:45.1/40

Out: 6.527+/-4.807 χ^2/NDF:55.8/44

All: 4.188+/-3.437 χ^2/NDF: 101.4/85



Right In: 25.130+/-0.006 χ^2/NDF: 23513.5/17

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.894+/-0.006 χ^2/NDF: 28149.6/20

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

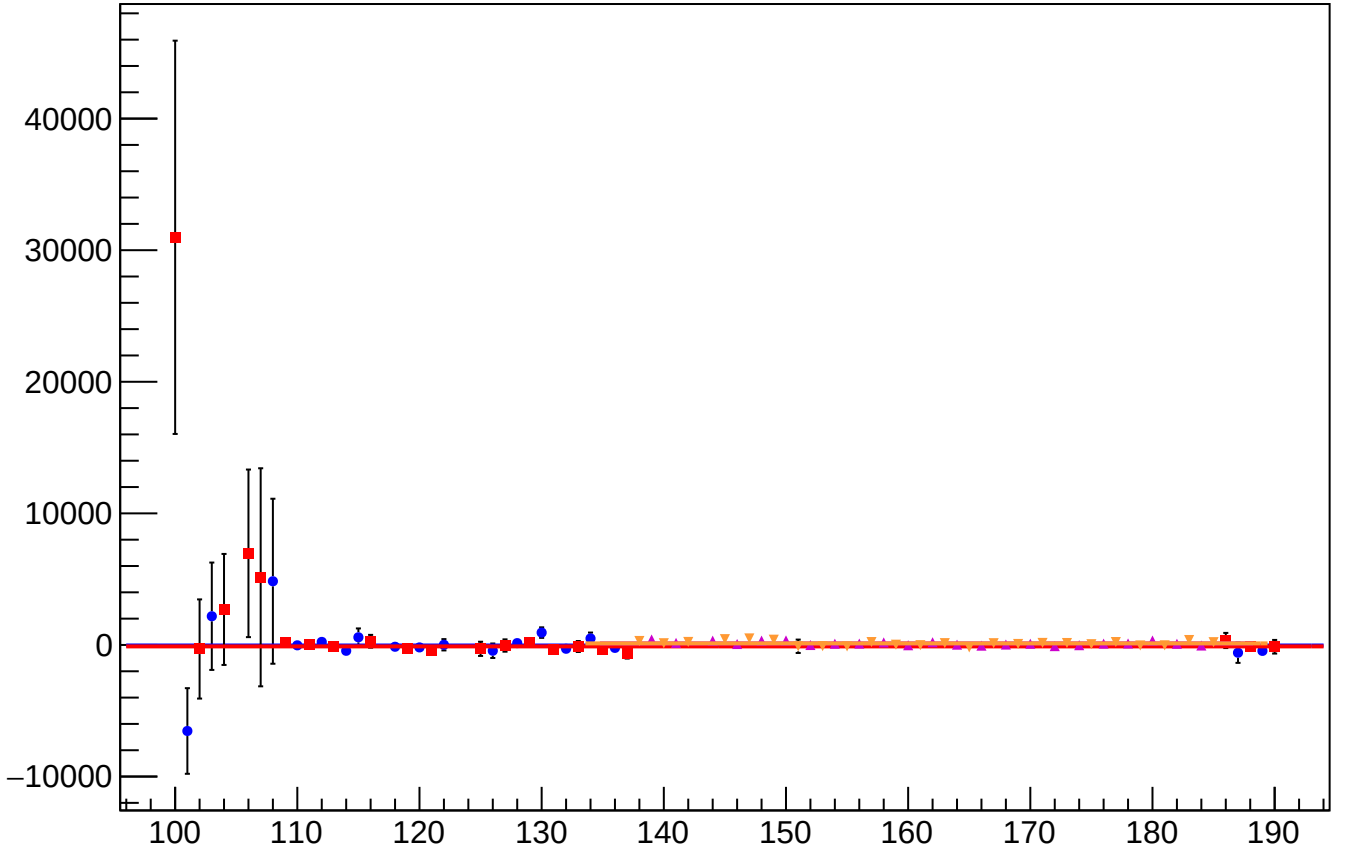
Right: 25.003+/-0.004 χ^2/NDF: 52419.7/38

In: 25.184+/-0.003 χ^2/NDF:49443.4/40

Out: 25.235+/-0.003 χ^2/NDF:60145.7/44

All: 25.210+/-0.002 χ^2/NDF: 109701.1/85

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -109.558+/-73.585 χ^2/NDF: 15.0/20

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

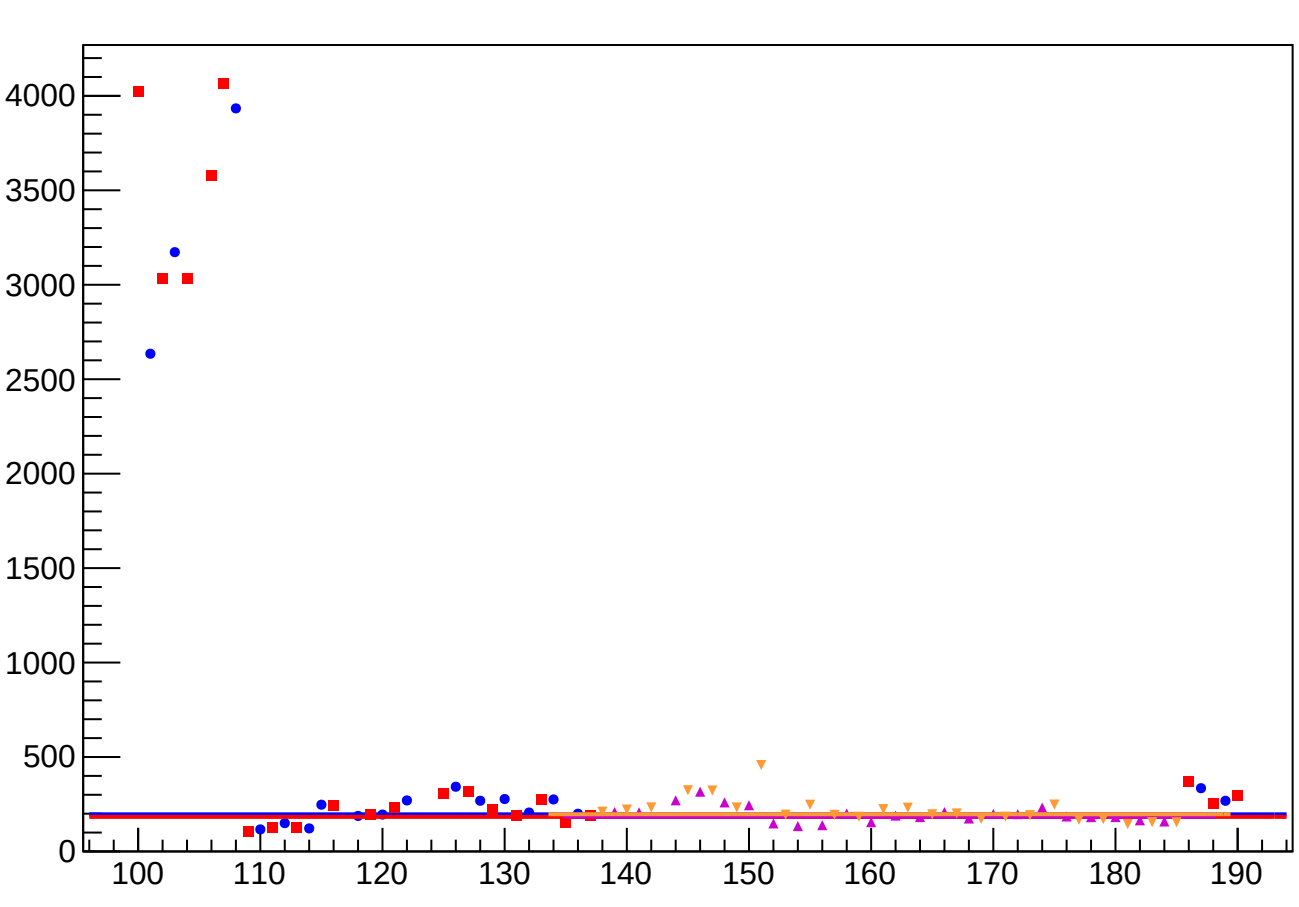
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -78.948+/-54.729 χ^2/NDF: 35.6/38

In: 80.017+/-39.292 χ^2/NDF:31.4/40

Out: 52.757+/-39.872 χ^2/NDF:33.8/44

All: 66.587+/-27.986 χ^2/NDF: 65.5/85



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 183.032+/-0.052 χ^2/NDF: 4765593.1/20

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

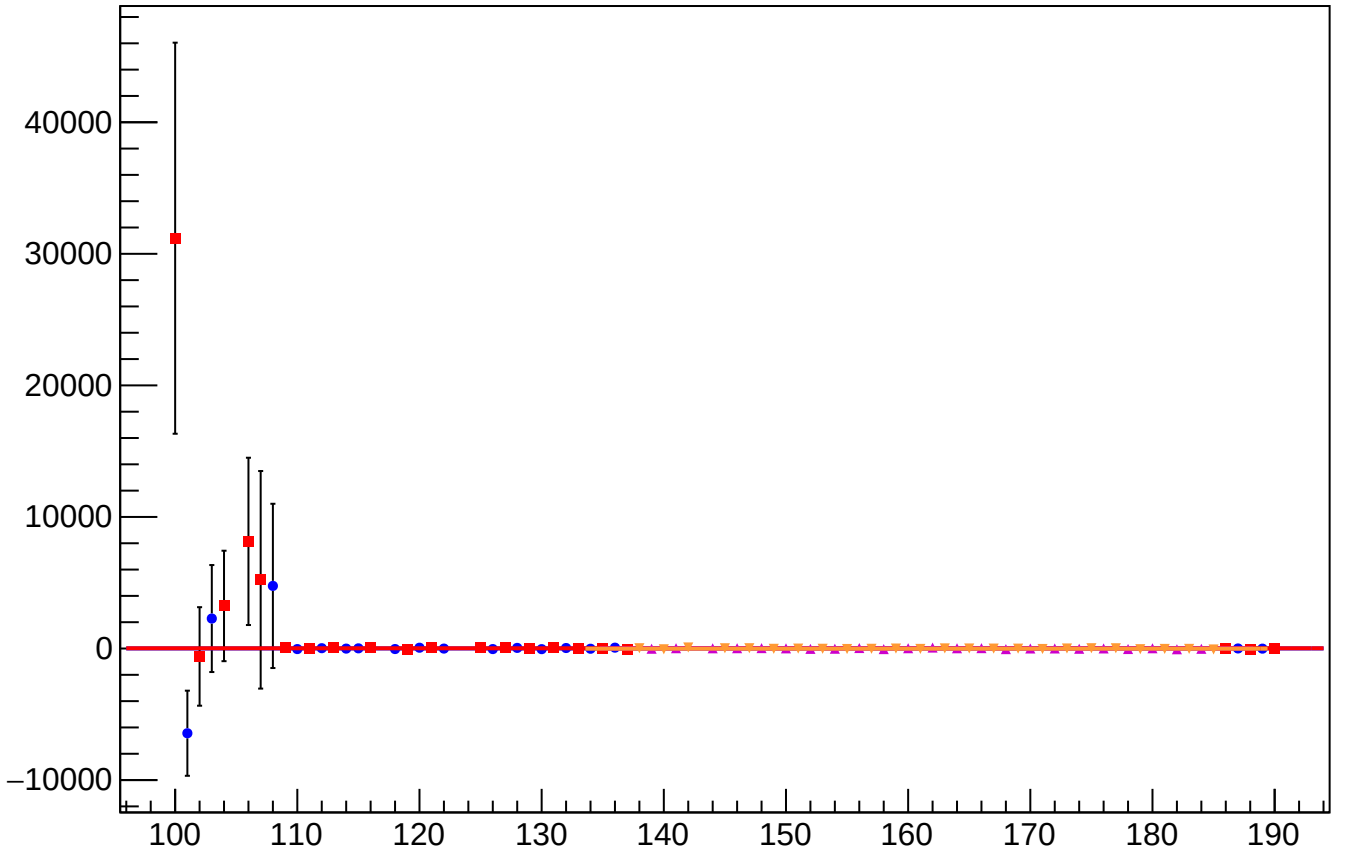
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 189.033+/-0.039 χ^2/NDF: 8776998.1/38

In: 186.909+/-0.028 χ^2/NDF:5462435.1/40

Out: 192.853+/-0.028 χ^2/NDF:6625295.8/44

All: 189.838+/-0.020 χ^2/NDF: 12110279.2/85



Right In: 4.860+/-11.021 χ^2/NDF: 18.5/17

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 17.900+/-10.575 χ^2/NDF: 25.4/20

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

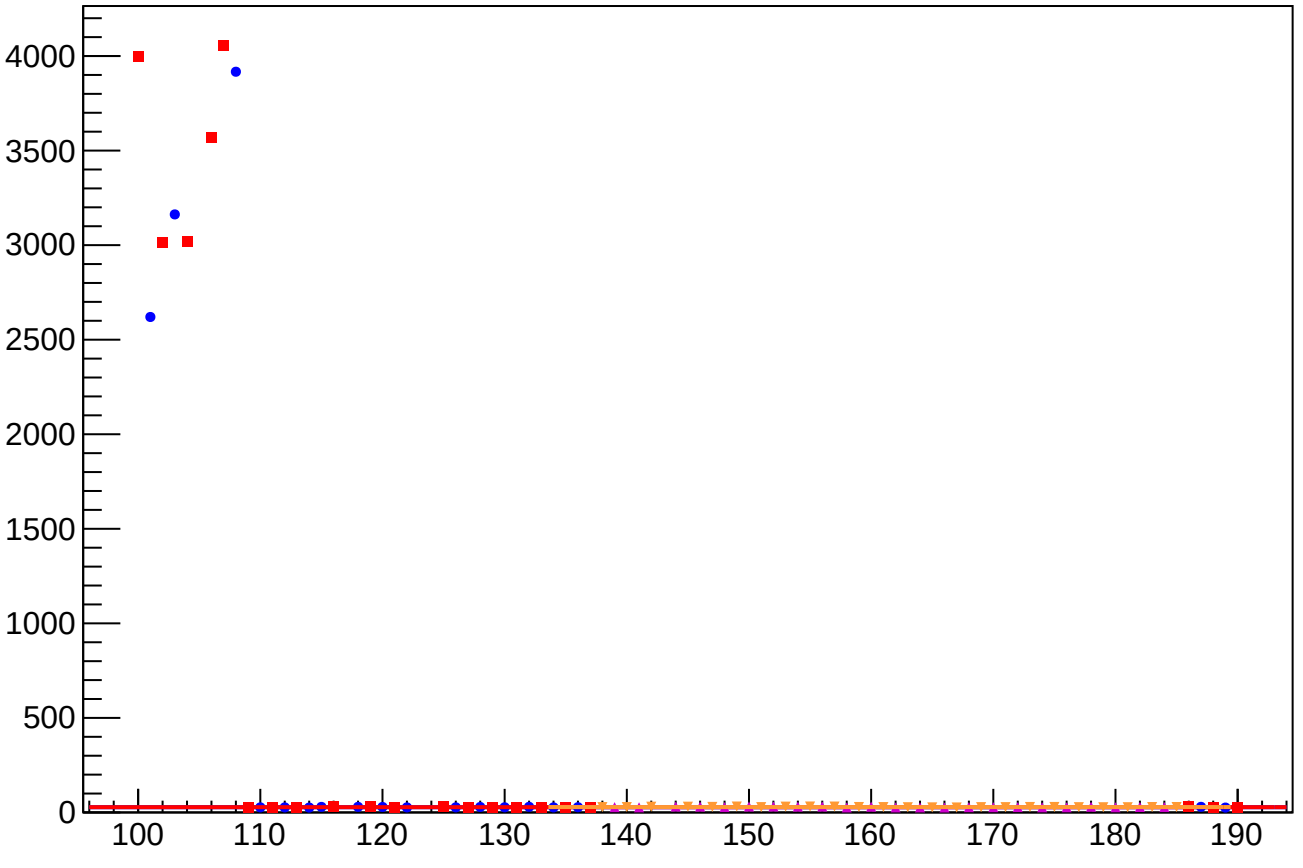
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 11.649+/-7.630 χ^2/NDF: 44.6/38

In: 3.197+/-5.745 χ^2/NDF:40.7/40

Out: -2.885+/-5.631 χ^2/NDF:48.3/44

All: 0.095+/-4.022 χ^2/NDF: 89.5/85



Right In: 27.674+/-0.008 χ^2/NDF: 3273467.6/17

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.884+/-0.007 χ^2/NDF: 3572218.0/20

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

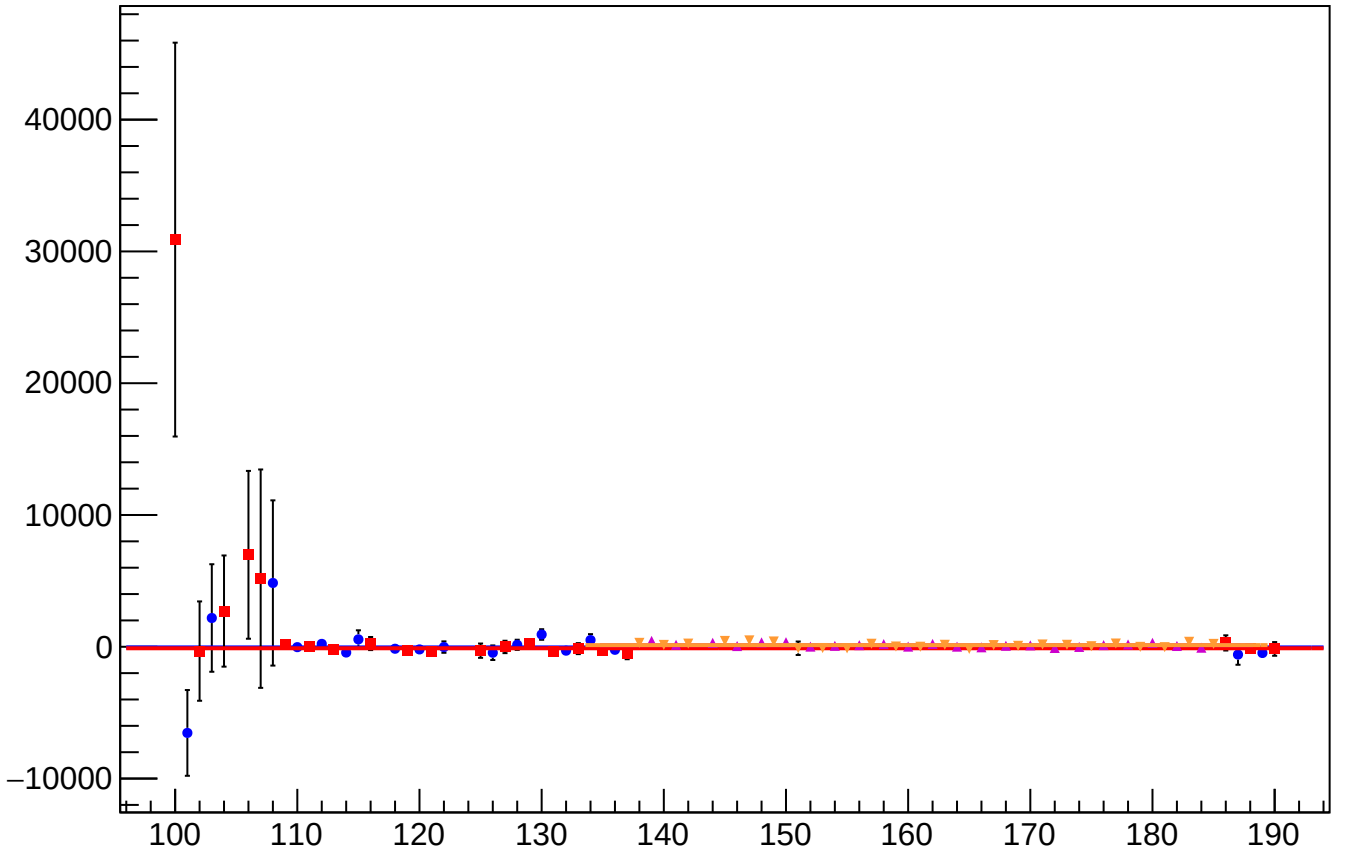
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.783+/-0.005 χ^2/NDF: 6846064.5/38

In: 28.441+/-0.004 χ^2/NDF:3414164.7/40

Out: 28.391+/-0.004 χ^2/NDF:3659639.4/44

All: 28.416+/-0.003 χ^2/NDF: 7073880.9/85



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -113.774+/-74.089 χ^2/NDF: 13.8/20

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

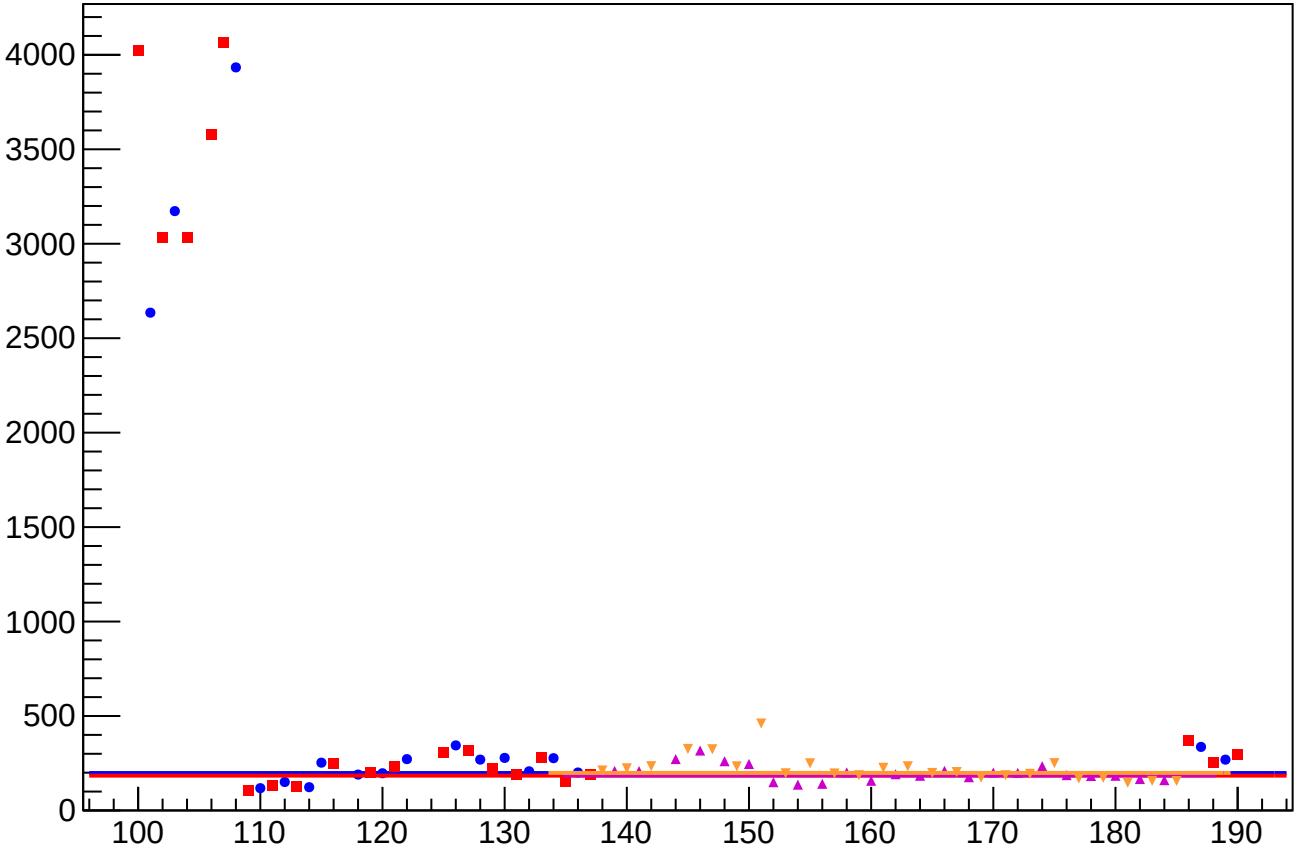
Right: -84.526+/-55.107 χ^2/NDF: 34.2/38

In: 83.263+/-39.633 χ^2/NDF:31.4/40

Out: 55.682+/-40.197 χ^2/NDF:32.8/44

All: 69.668+/-28.222 χ^2/NDF: 64.4/85

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 197.956+/-0.058 χ^2/NDF: 3967876.1/17

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 184.448+/-0.052 χ^2/NDF: 4748230.9/20

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

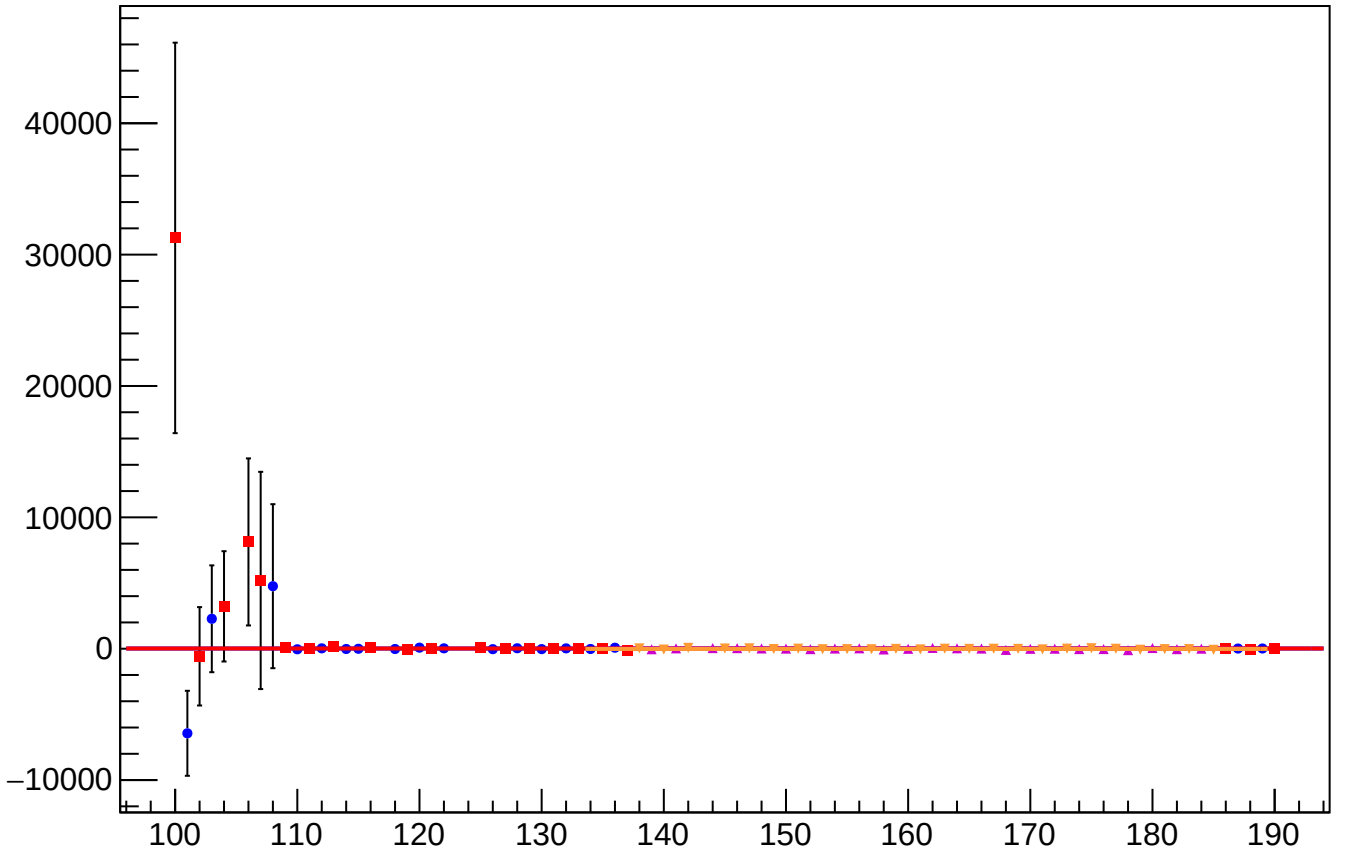
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 190.483+/-0.039 χ^2/NDF: 8745809.2/38

In: 188.664+/-0.028 χ^2/NDF:5406441.4/40

Out: 194.530+/-0.028 χ^2/NDF:6587124.6/44

All: 191.556+/-0.020 χ^2/NDF: 12015163.2/85



Right In: 13.859+/-12.230 χ^2/NDF: 15.5/17

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 16.578+/-11.691 χ^2/NDF: 30.4/20

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

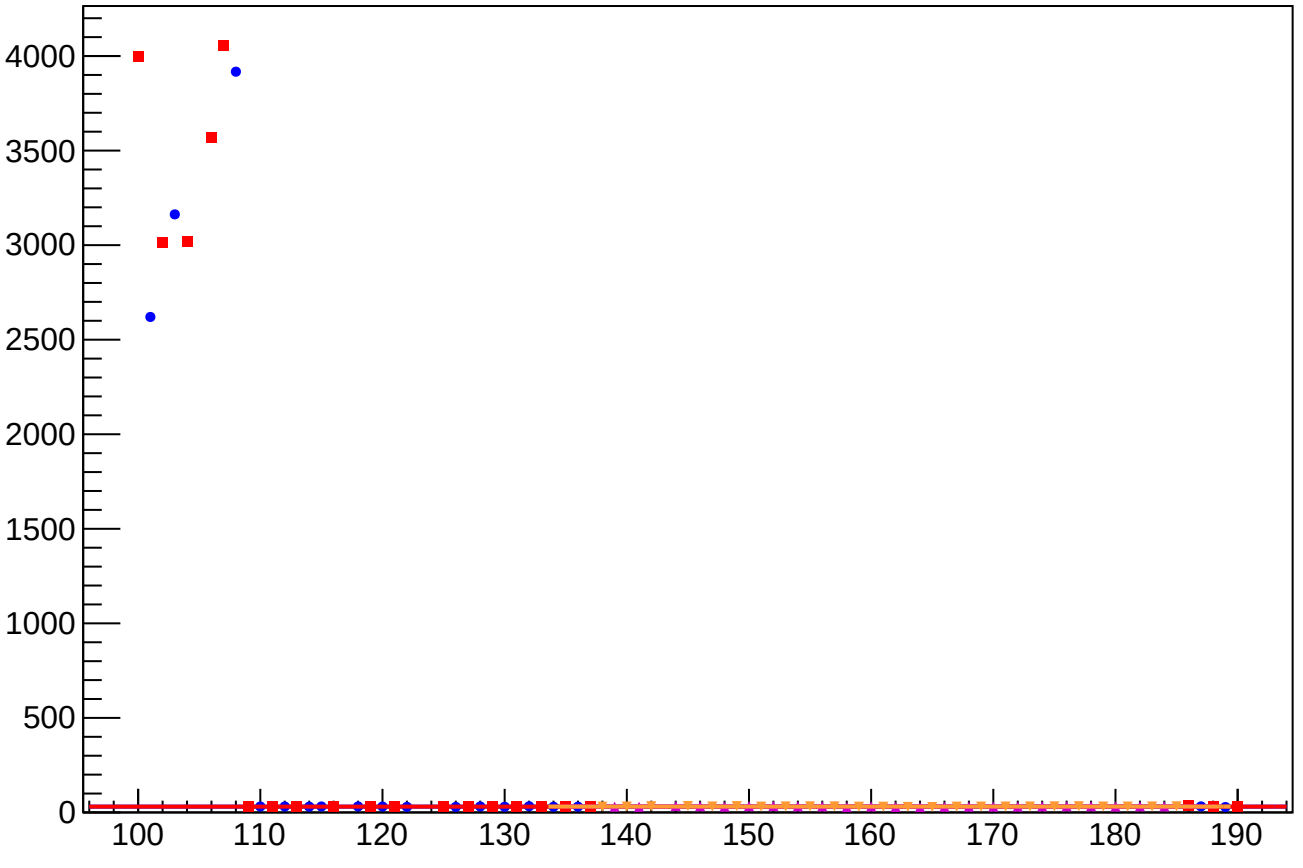
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 15.280+/-8.451 χ^2/NDF: 45.9/38

In: 1.685+/-6.298 χ^2/NDF:52.3/40

Out: -8.513+/-6.167 χ^2/NDF:57.1/44

All: -3.521+/-4.407 χ^2/NDF: 110.8/85



Right In: 30.743+/-0.009 χ^2/NDF: 3259054.5/17

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.868+/-0.008 χ^2/NDF: 3547631.0/20

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

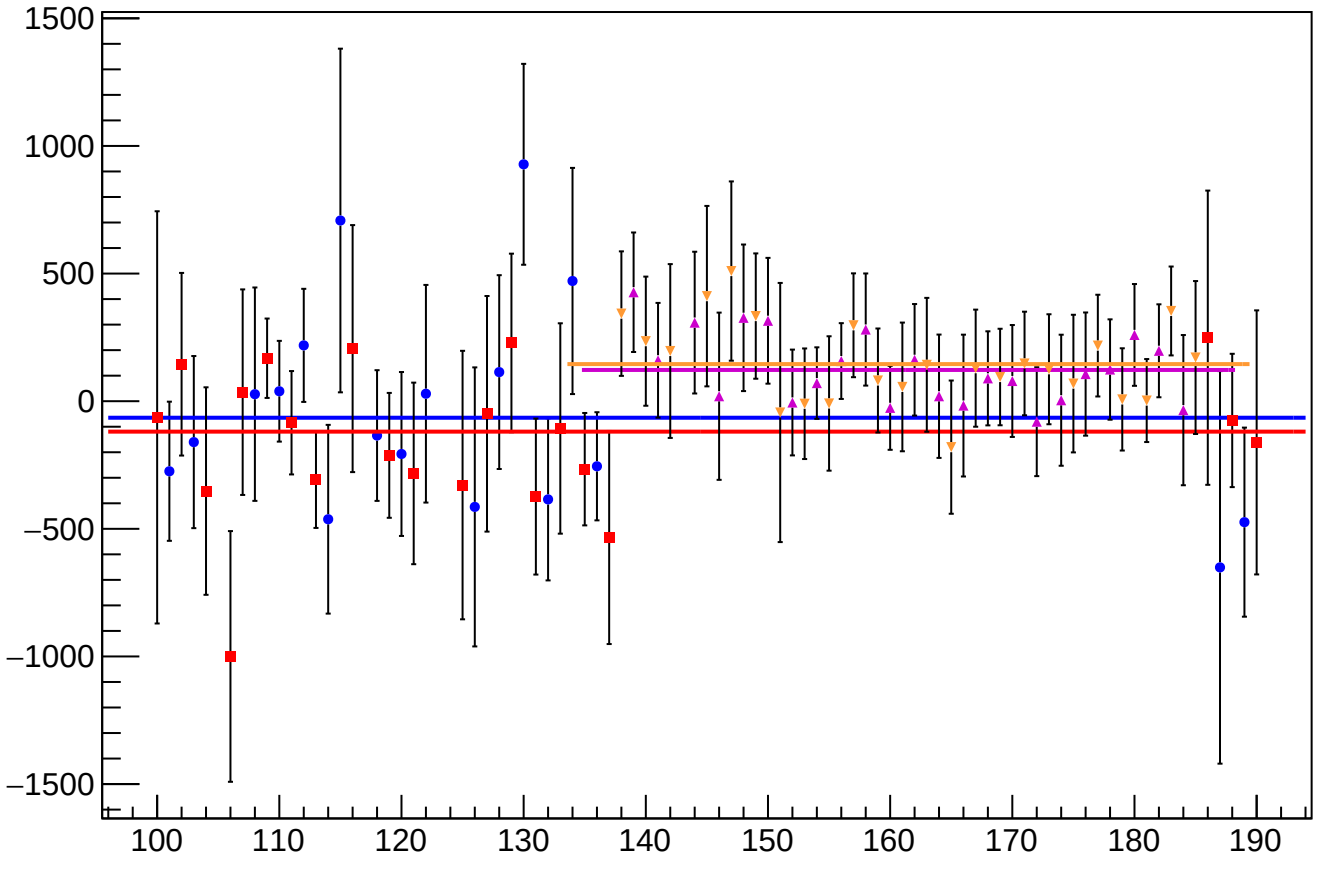
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.808+/-0.006 χ^2/NDF: 6806794.8/38

In: 31.211+/-0.004 χ^2/NDF:3348262.2/40

Out: 31.123+/-0.004 χ^2/NDF:3596372.3/44

All: 31.166+/-0.003 χ^2/NDF: 6944831.6/85



Right In: -64.760+/-75.157 χ^2/NDF: 17.5/17

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -119.233+/-66.061 χ^2/NDF: 13.2/20

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

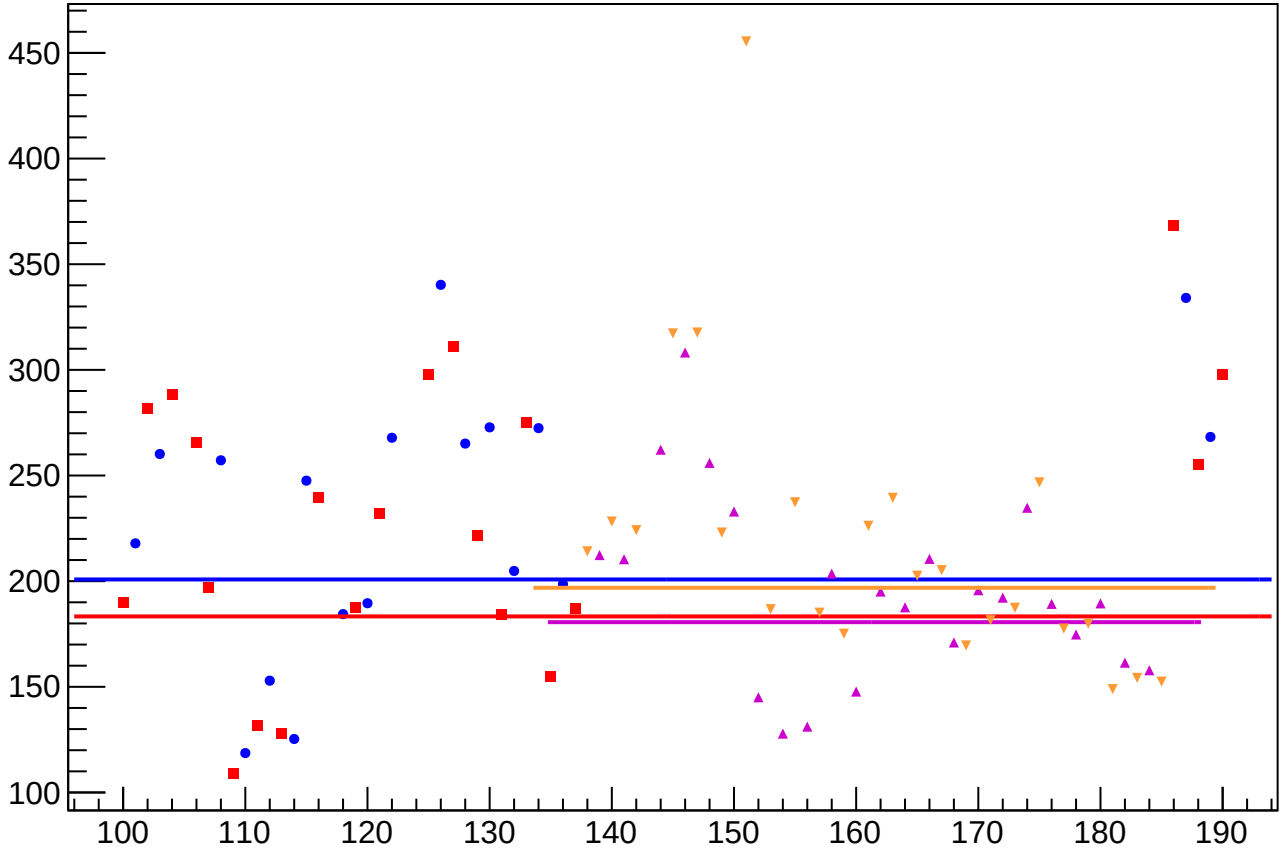
Right: -95.491+/-49.618 χ^2/NDF: 31.0/38

In: 74.477+/-38.023 χ^2/NDF:30.0/40

Out: 55.430+/-38.507 χ^2/NDF:33.2/44

All: 65.074+/-27.056 χ^2/NDF: 63.3/85

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



Right In: 200.809+/-0.053 χ^2/NDF: 1133263.1/17

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 183.320+/-0.047 χ^2/NDF: 2028267.7/20

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

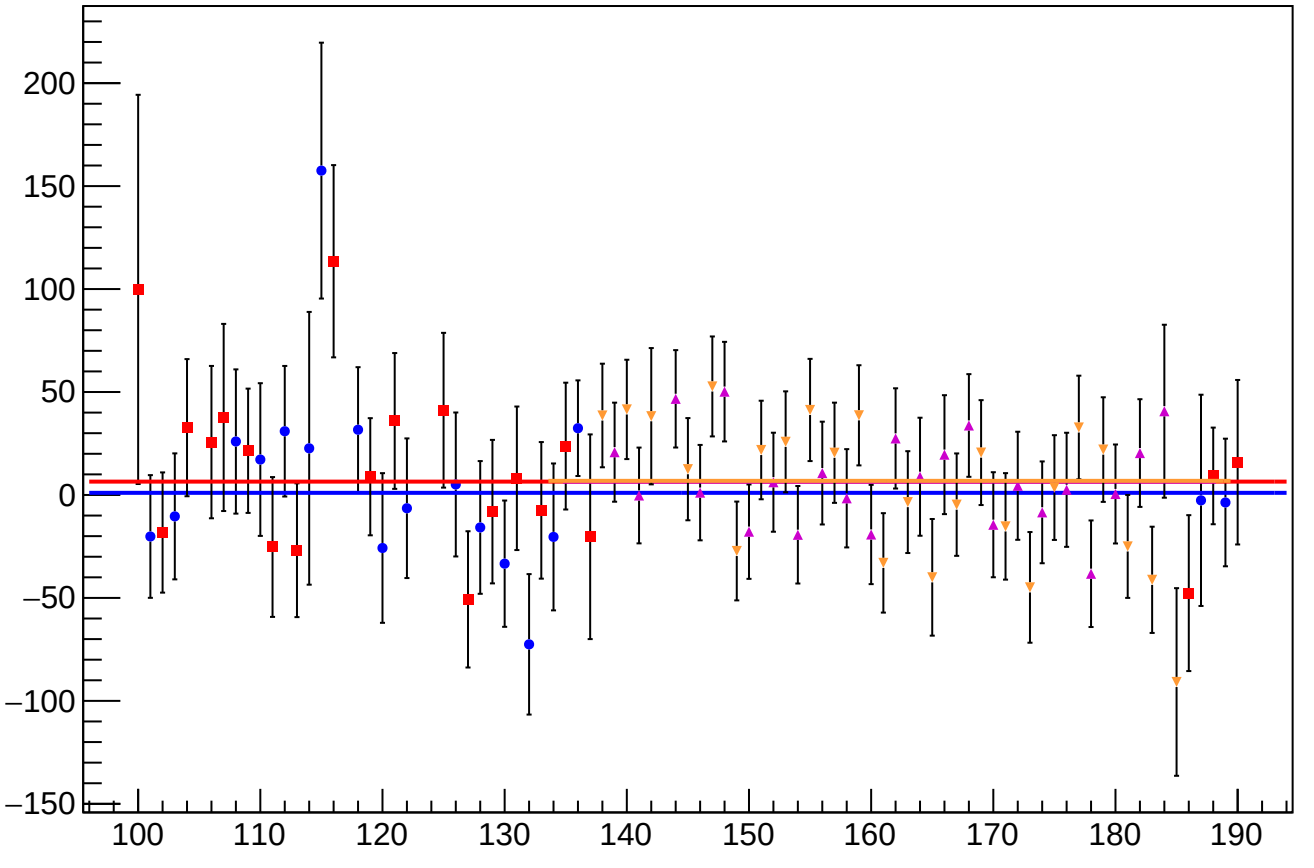
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 190.943+/-0.035 χ^2/NDF: 3222622.4/38

In: 185.774+/-0.027 χ^2/NDF:2868910.9/40

Out: 192.268+/-0.027 χ^2/NDF:3808949.1/44

All: 188.980+/-0.019 χ^2/NDF: 6706666.3/85



Right In: 1.036+/-7.982 χ^2/NDF: 18.7/17

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 6.484+/-7.515 χ^2/NDF: 18.2/20

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

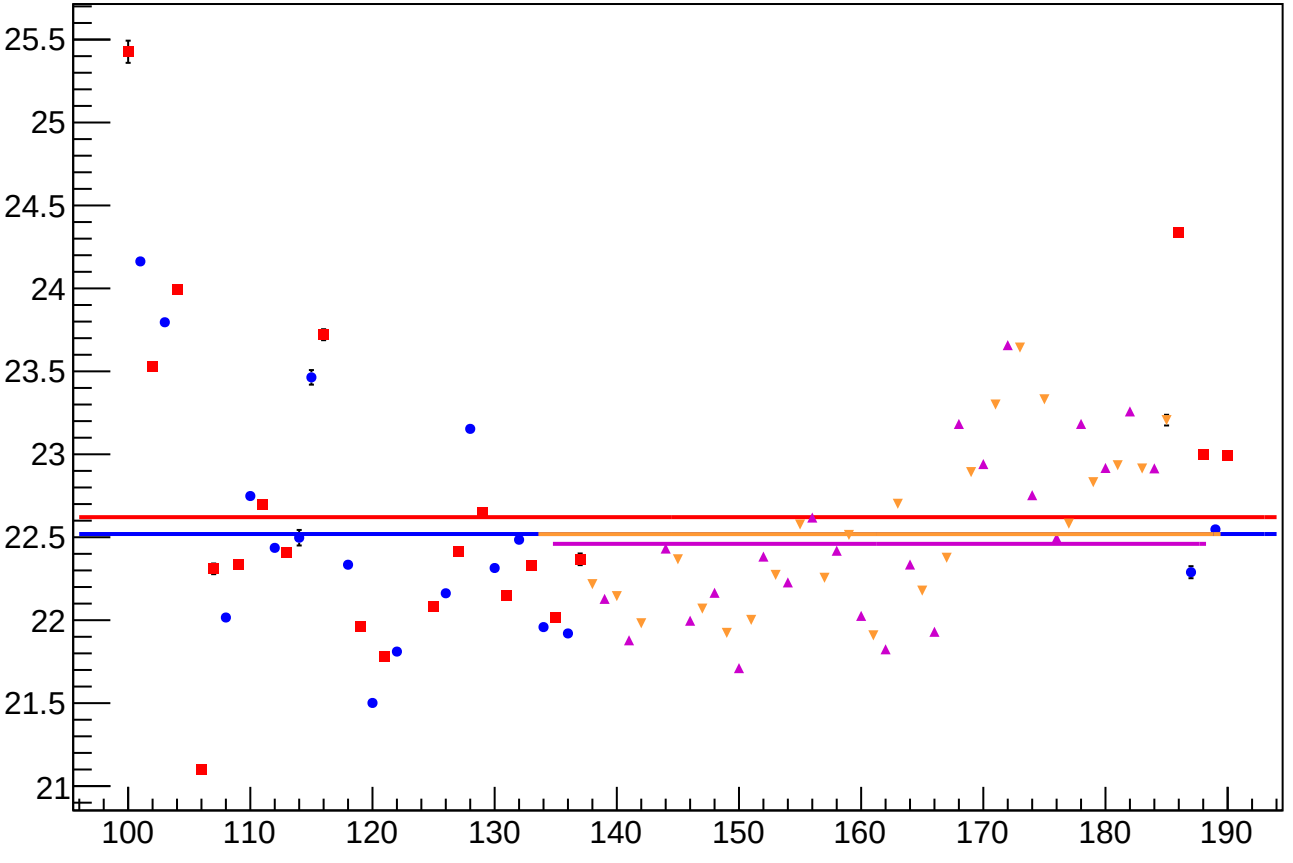
Right: 3.924+/-5.472 χ^2/NDF: 37.1/38

In: 4.839+/-4.384 χ^2/NDF:36.5/40

Out: 6.736+/-4.292 χ^2/NDF:55.0/44

All: 5.808+/-3.067 χ^2/NDF: 91.6/85

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.519+/-0.006 χ^2/NDF: 15990.2/17

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.621+/-0.005 χ^2/NDF: 20958.2/20

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

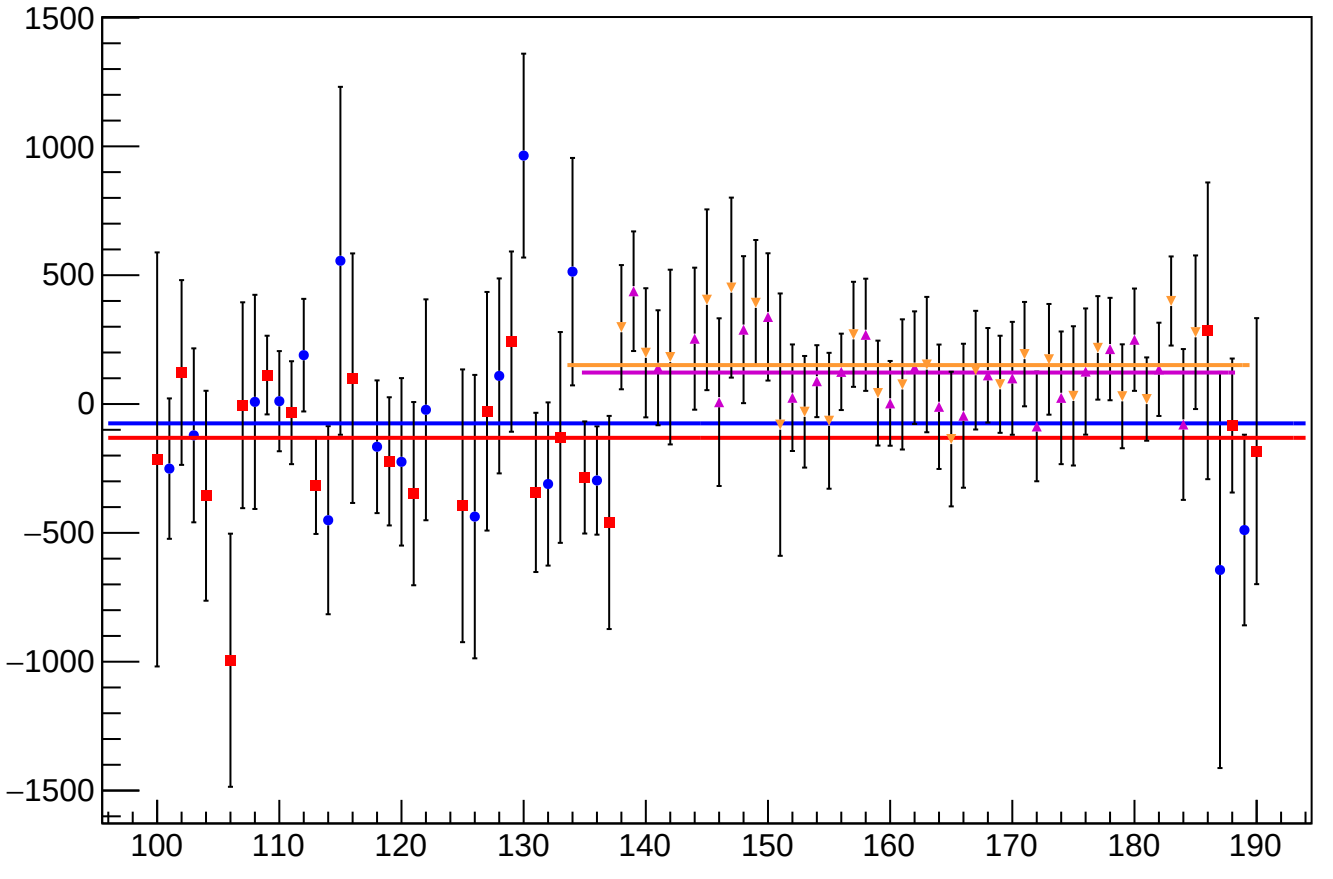
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.573+/-0.004 χ^2/NDF: 37120.2/38

In: 22.478+/-0.003 χ^2/NDF:35184.3/40

Out: 22.552+/-0.003 χ^2/NDF:37205.3/44

All: 22.516+/-0.002 χ^2/NDF: 72682.0/85



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -131.172+/-65.614 χ^2/NDF: 12.1/20

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

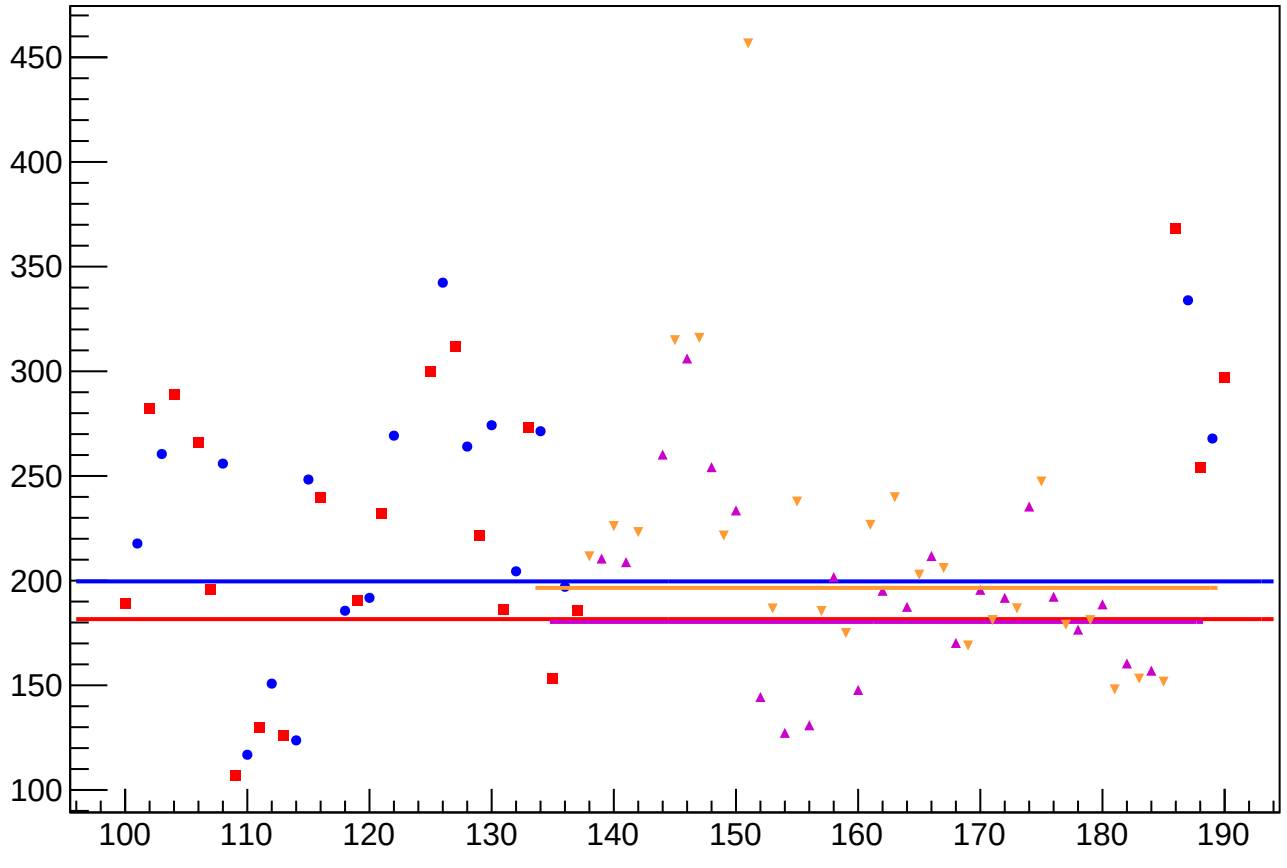
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -106.767+/-49.336 χ^2/NDF: 29.7/38

In: 71.502+/-37.934 χ^2/NDF:29.9/40

Out: 54.535+/-38.378 χ^2/NDF:34.3/44

All: 63.117+/-26.979 χ^2/NDF: 64.2/85



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 181.614+/-0.046 χ^2/NDF: 2106548.5/20

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

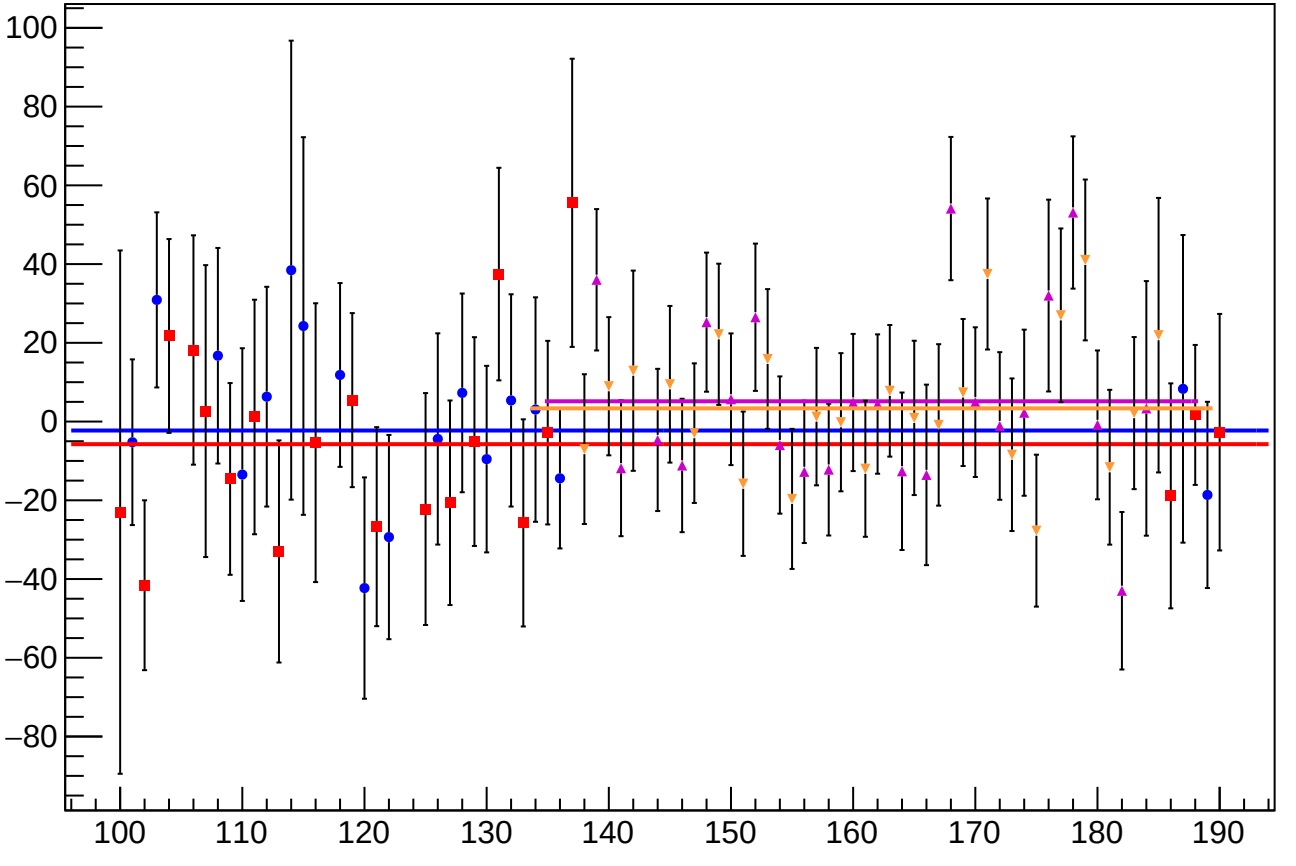
Right: 189.450+/-0.035 χ^2/NDF: 3348908.6/38

In: 185.251+/-0.027 χ^2/NDF:2900964.0/40

Out: 191.429+/-0.027 χ^2/NDF:3902461.1/44

All: 188.304+/-0.019 χ^2/NDF: 6829646.0/85

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -2.273+/-6.187 χ^2/NDF: 8.6/17

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -5.742+/-5.835 χ^2/NDF: 13.9/20

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

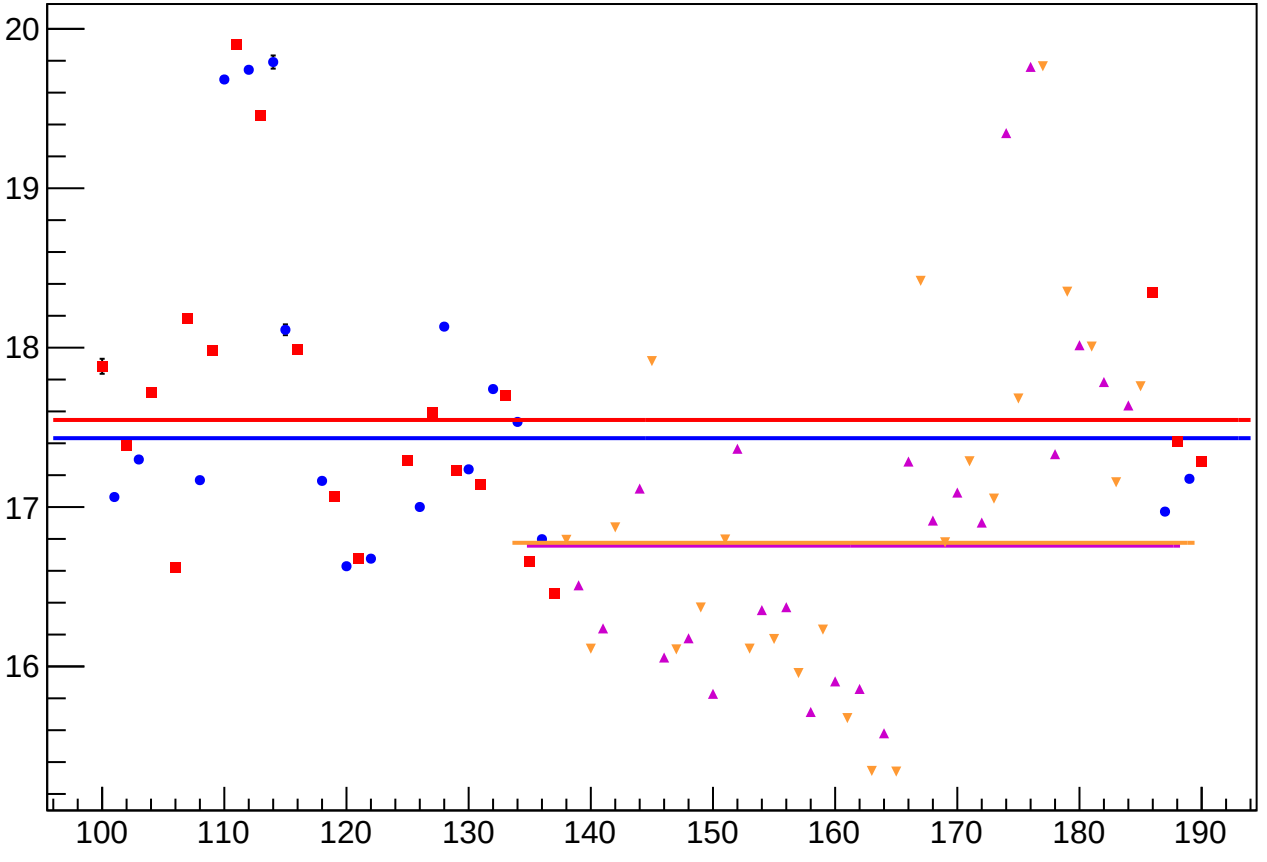
Right: -4.109+/-4.245 χ^2/NDF: 22.6/38

In: 3.021+/-3.314 χ^2/NDF:41.9/40

Out: 0.544+/-3.245 χ^2/NDF:33.2/44

All: 1.757+/-2.319 χ^2/NDF: 75.4/85

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.432+/-0.004 χ^2/NDF: 37209.2/17

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.546+/-0.004 χ^2/NDF: 36308.6/20

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

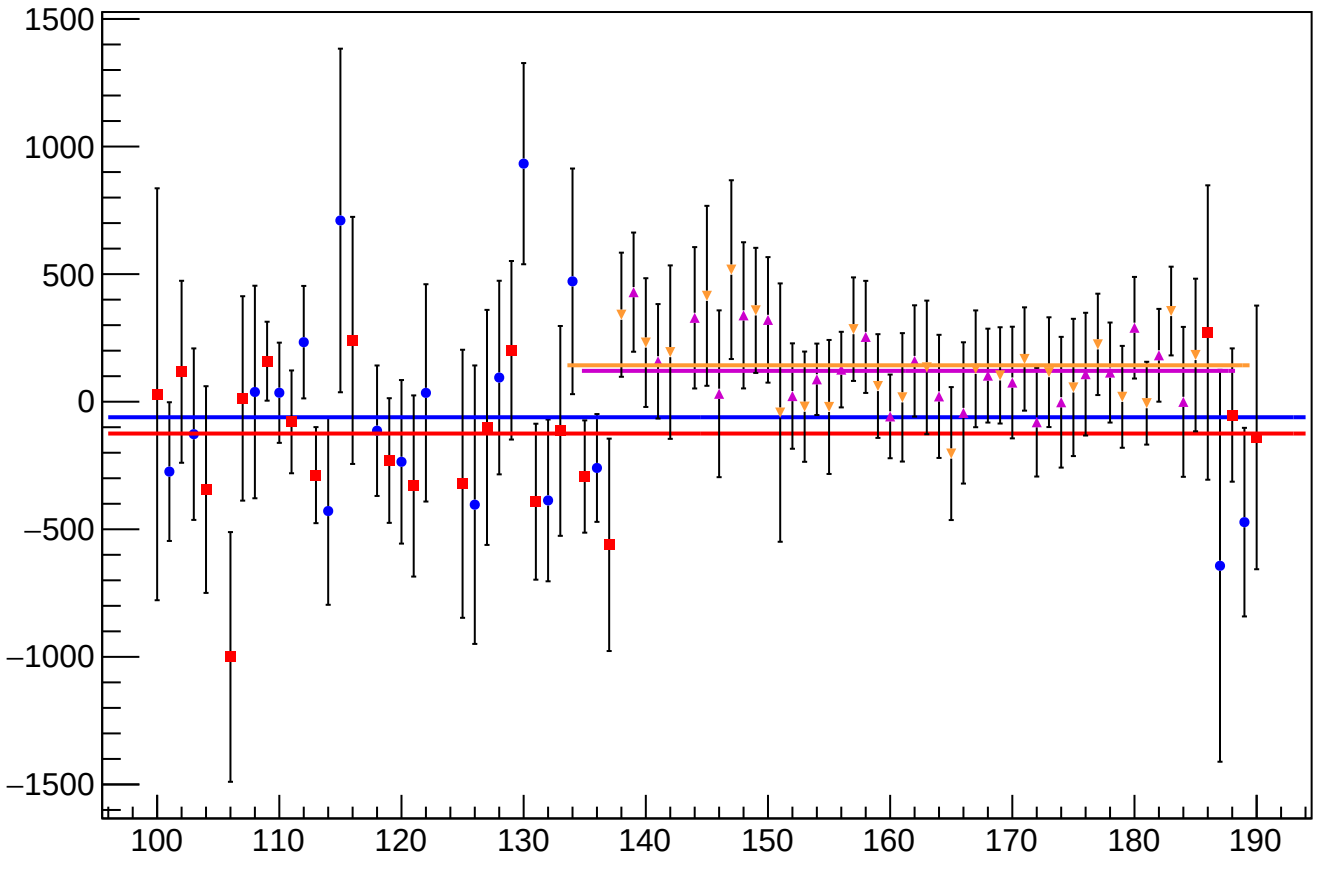
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.493+/-0.003 χ^2/NDF: 73878.4/38

In: 16.951+/-0.002 χ^2/NDF:177460.0/40

Out: 17.014+/-0.002 χ^2/NDF:196544.9/44

All: 16.983+/-0.002 χ^2/NDF: 374371.8/85



Right In: -60.890+/-74.942 χ^2/NDF: 17.6/17

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -124.777+/-65.868 χ^2/NDF: 13.4/20

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

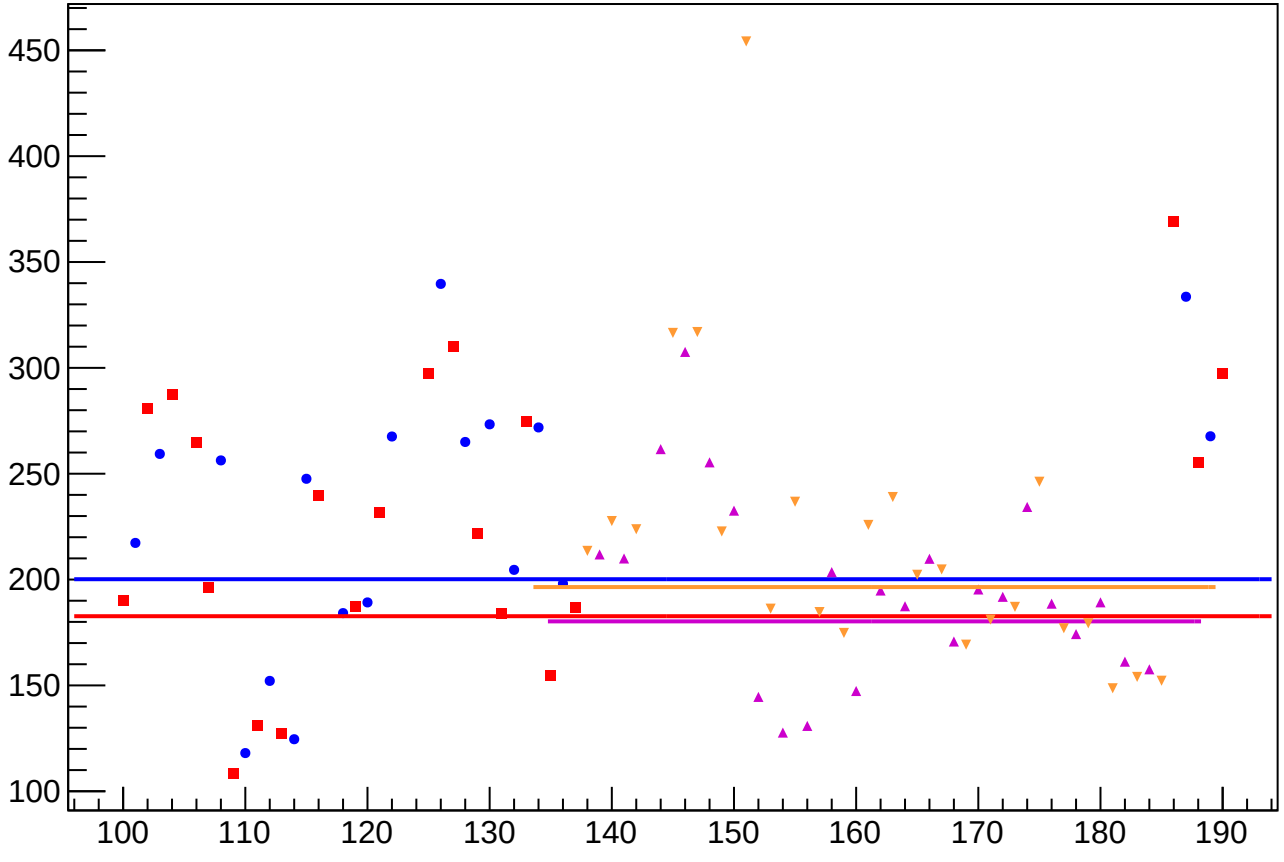
Right: -96.933+/-49.474 χ^2/NDF: 31.3/38

In: 74.299+/-37.940 χ^2/NDF:30.2/40

Out: 51.726+/-38.413 χ^2/NDF:34.4/44

All: 63.153+/-26.993 χ^2/NDF: 64.7/85

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 200.163+/-0.053 χ^2/NDF: 1144306.6/17

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 182.689+/-0.047 χ^2/NDF: 2044719.5/20

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

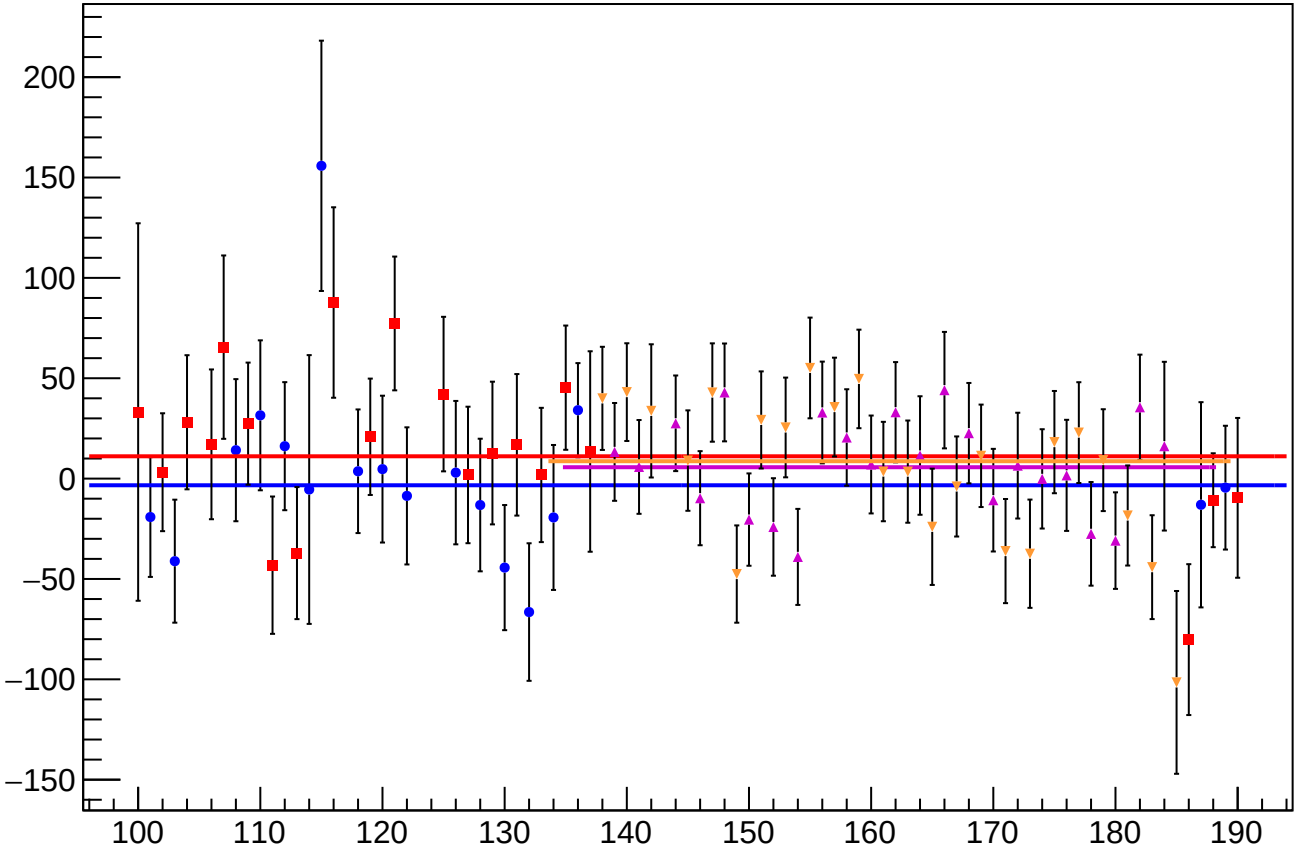
Right: 190.304+/-0.035 χ^2/NDF: 3250373.0/38

In: 185.352+/-0.027 χ^2/NDF:2877120.6/40

Out: 191.771+/-0.027 χ^2/NDF:3825871.7/44

All: 188.522+/-0.019 χ^2/NDF: 6731260.7/85

asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -3.323+/-8.051 χ^2/NDF: 18.0/17

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 11.116+/-7.581 χ^2/NDF: 22.5/20

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

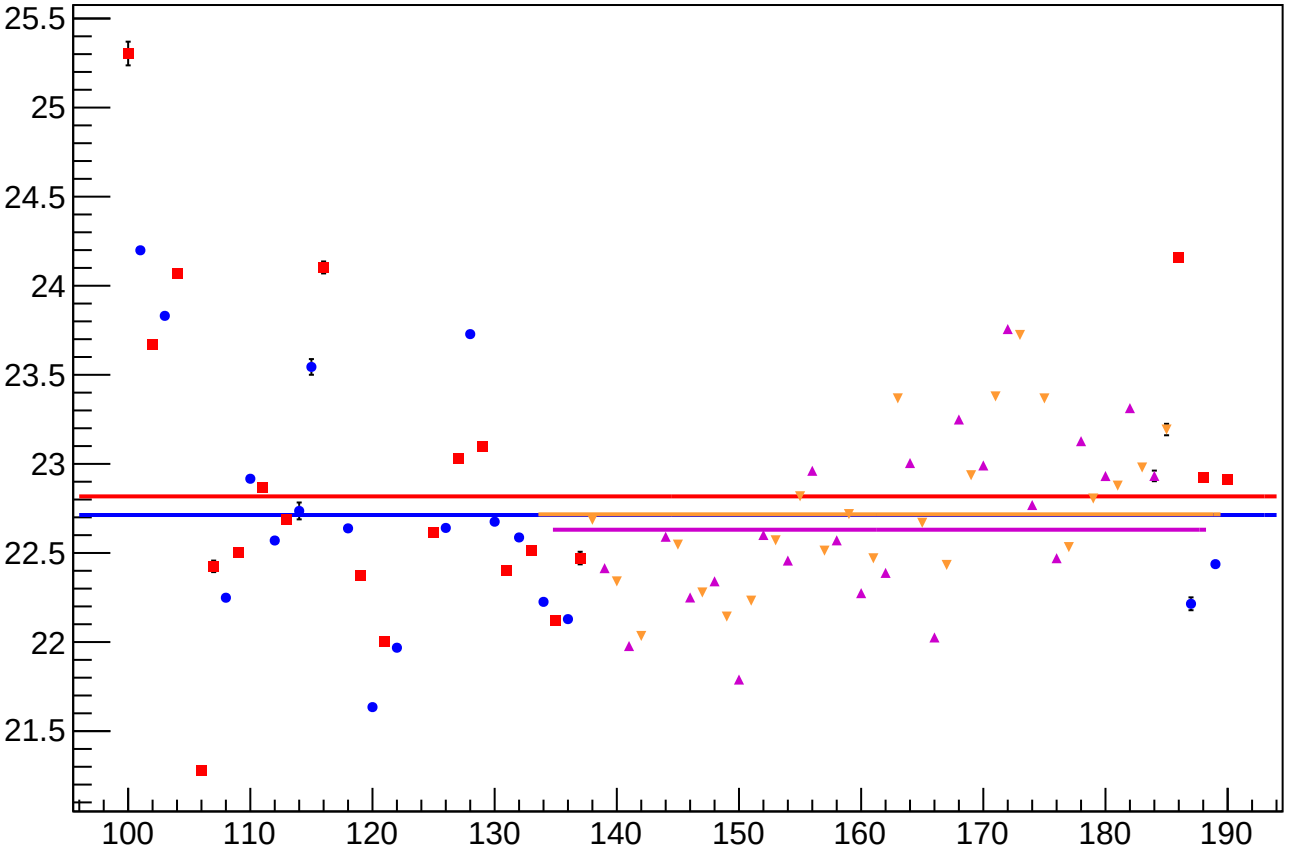
Right: 4.331+/-5.519 χ^2/NDF: 42.2/38

In: 2.960+/-4.419 χ^2/NDF:39.6/40

Out: 9.464+/-4.330 χ^2/NDF:61.8/44

All: 6.278+/-3.093 χ^2/NDF: 102.5/85

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.713+/-0.006 χ^2/NDF: 15005.8/17

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.818+/-0.005 χ^2/NDF: 17197.2/20

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

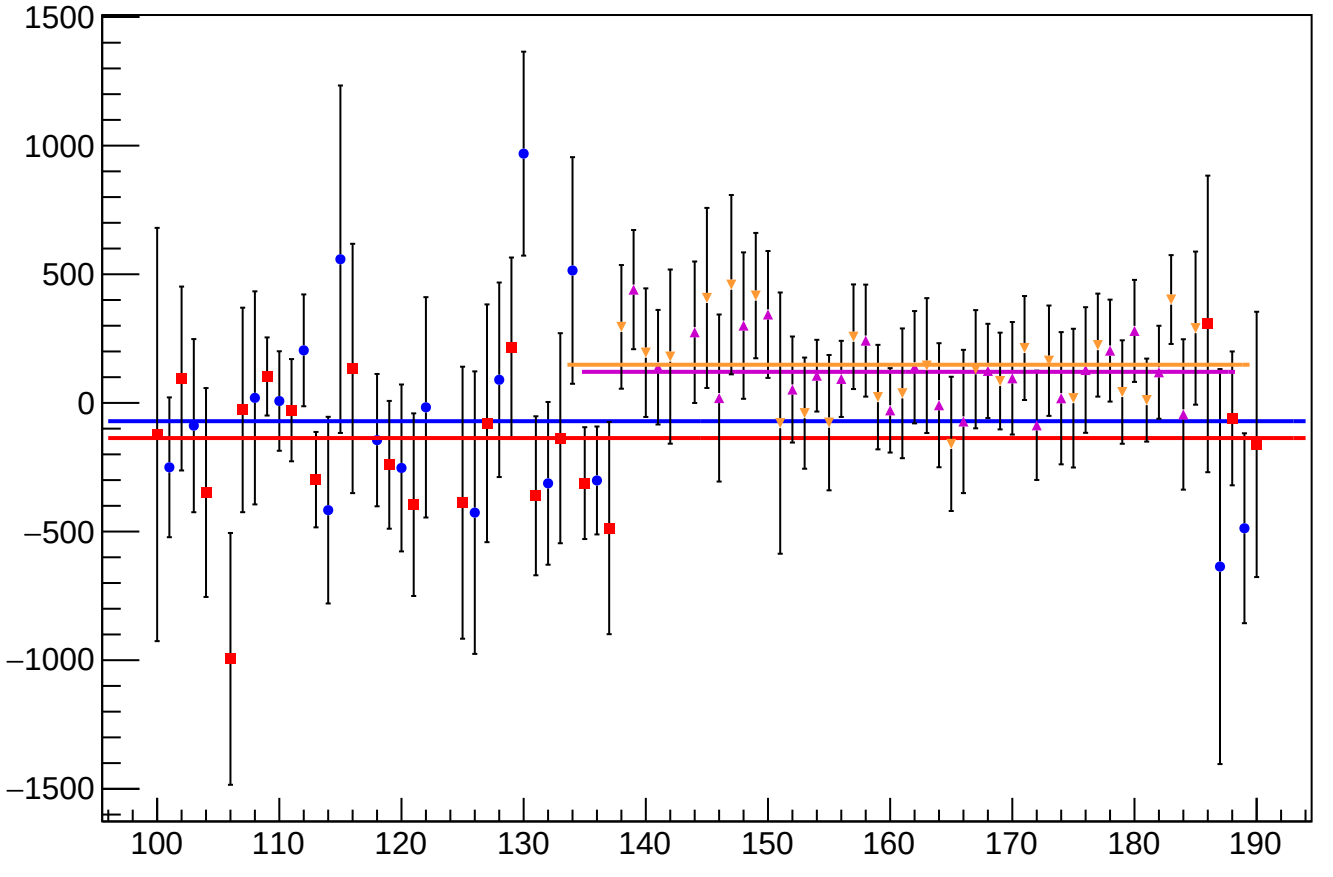
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.769+/-0.004 χ^2/NDF: 32381.6/38

In: 22.655+/-0.003 χ^2/NDF:30544.2/40

Out: 22.750+/-0.003 χ^2/NDF:29612.3/44

All: 22.704+/-0.002 χ^2/NDF: 60622.1/85



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -136.625+/-65.417 χ^2/NDF: 12.2/20

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

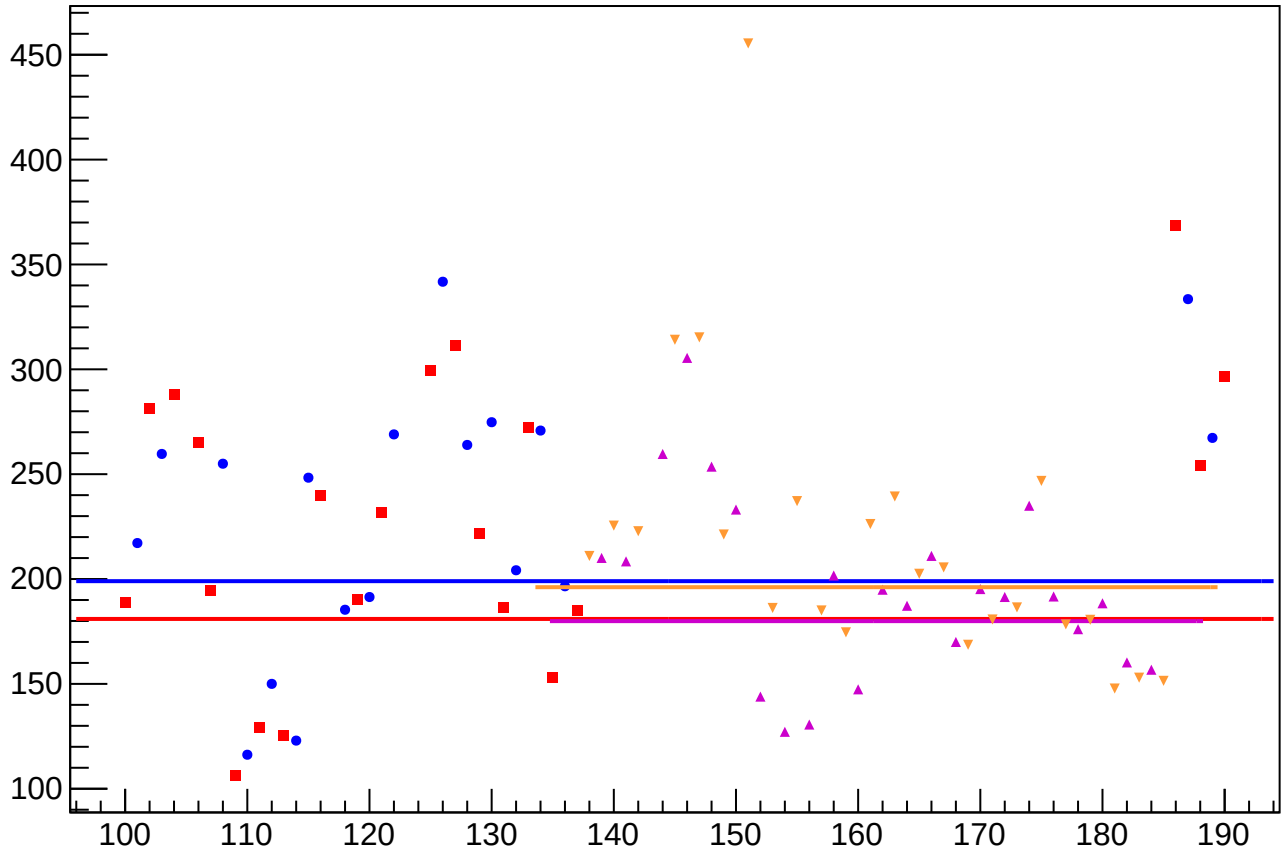
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -108.130+/-49.190 χ^2/NDF: 30.0/38

In: 71.407+/-37.850 χ^2/NDF:30.1/40

Out: 50.797+/-38.284 χ^2/NDF:35.6/44

All: 61.219+/-26.916 χ^2/NDF: 65.9/85



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 180.970+/-0.046 χ^2/NDF: 2123912.0/20

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

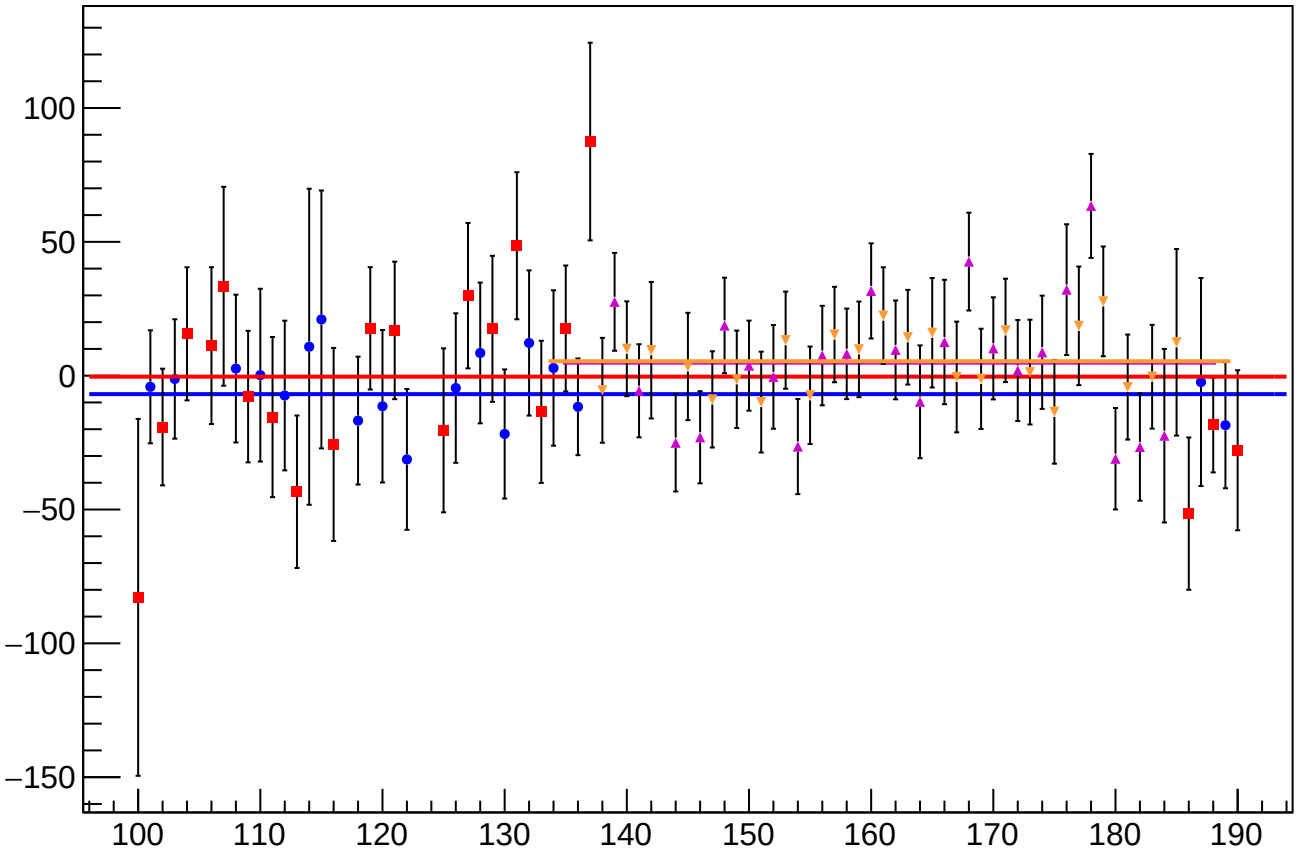
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 188.799+/-0.035 χ^2/NDF: 3378273.0/38

In: 184.828+/-0.027 χ^2/NDF:2909524.0/40

Out: 190.926+/-0.027 χ^2/NDF:3920657.7/44

All: 187.842+/-0.019 χ^2/NDF: 6855840.5/85



Right In: -6.898+/-6.265 χ^2/NDF: 3.4/17

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -0.363+/-5.910 χ^2/NDF: 24.7/20

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

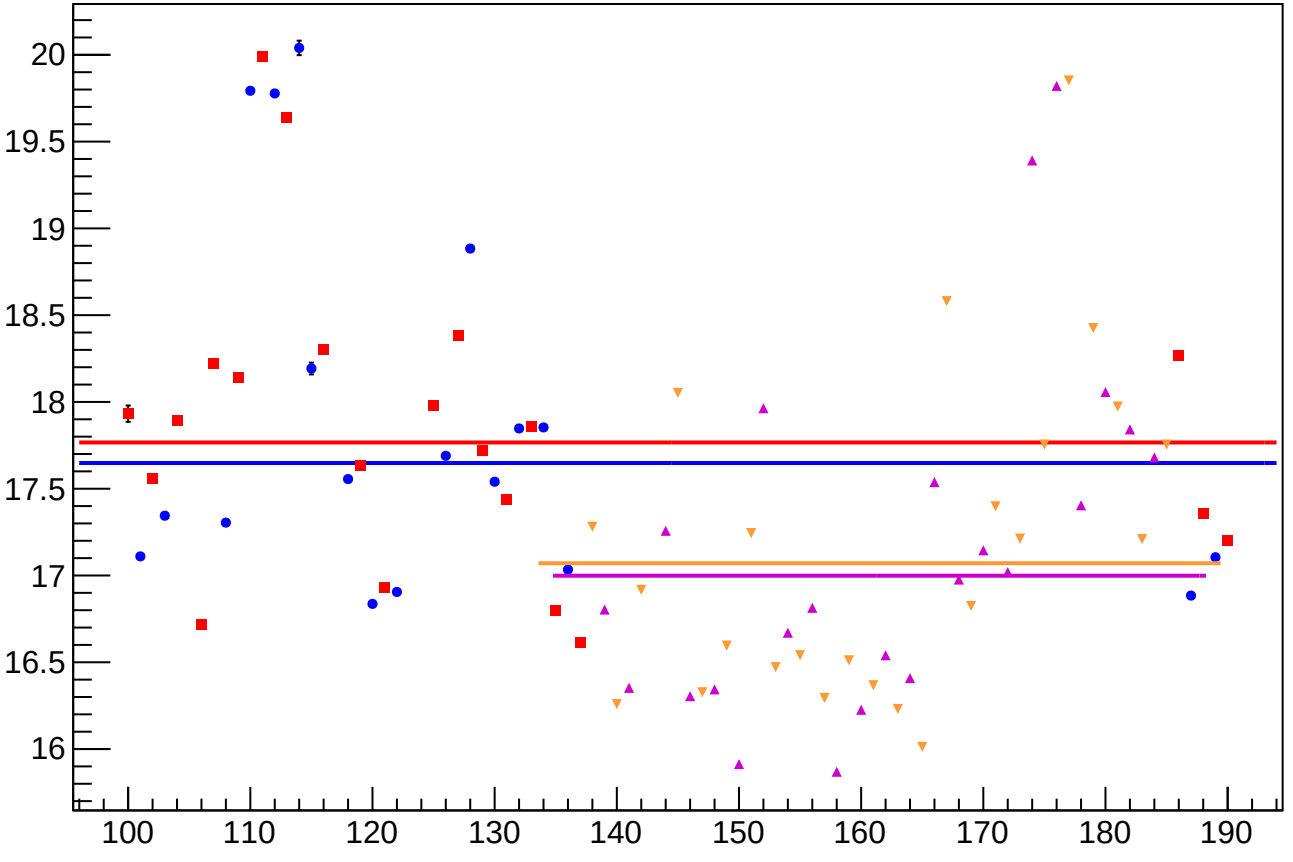
Right: -3.440+/-4.299 χ^2/NDF: 28.7/38

In: 1.478+/-3.360 χ^2/NDF:41.4/40

Out: 3.611+/-3.297 χ^2/NDF:33.2/44

All: 2.565+/-2.353 χ^2/NDF: 74.8/85

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.648+/-0.004 χ^2/NDF: 38009.9/17

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.767+/-0.004 χ^2/NDF: 35049.6/20

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

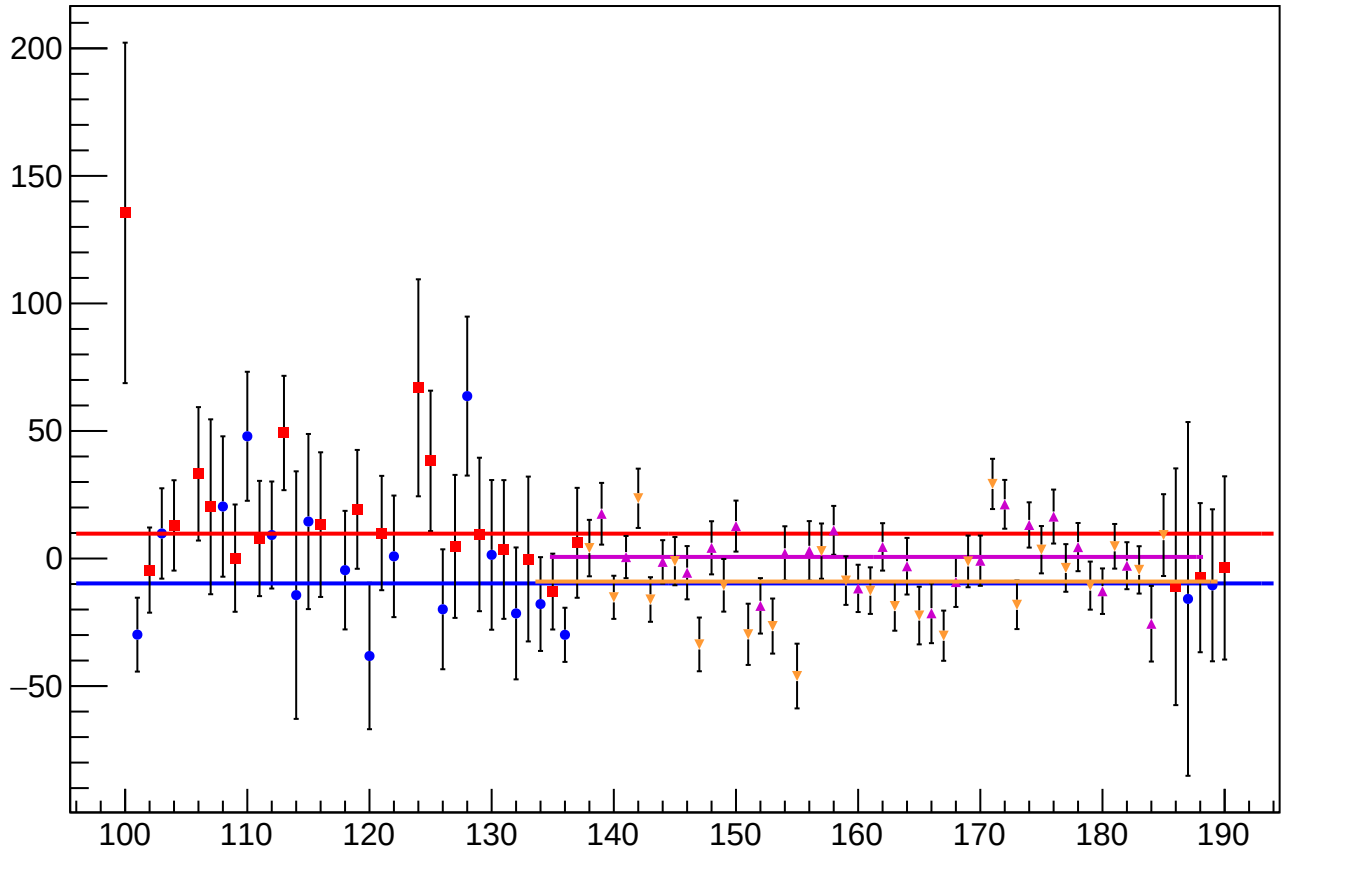
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

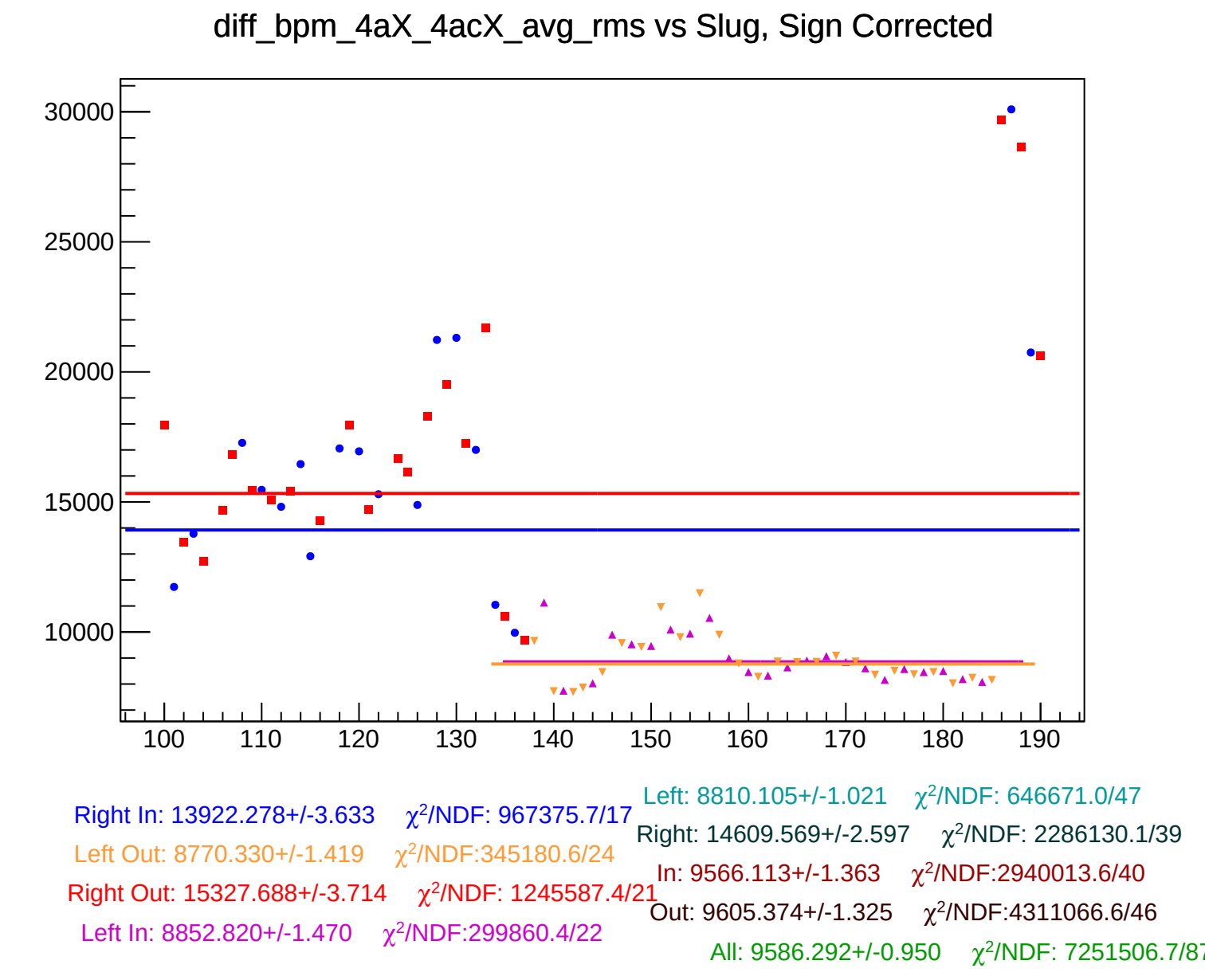
Right: 17.711+/-0.003 χ^2/NDF: 73437.2/38

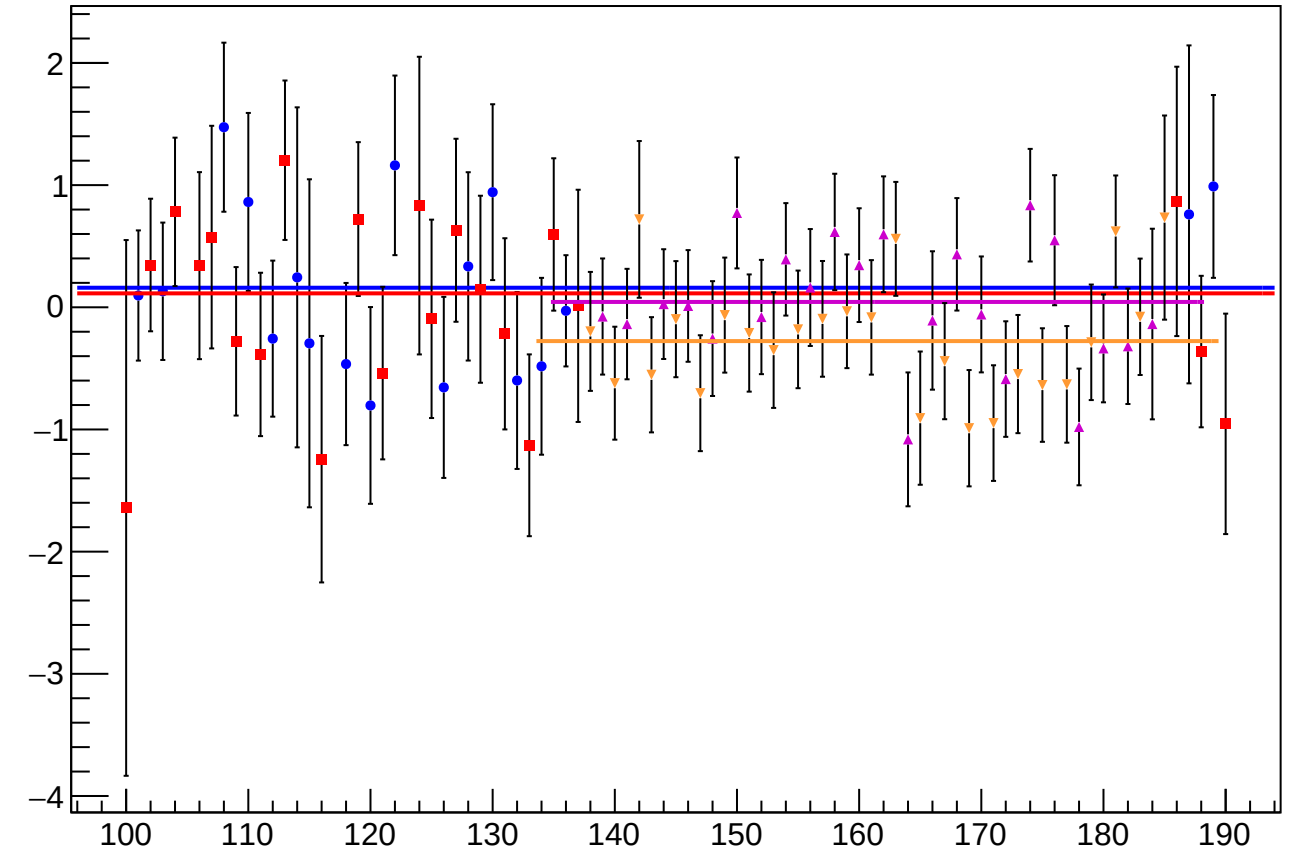
In: 17.185+/-0.002 χ^2/NDF:157340.6/40

Out: 17.287+/-0.002 χ^2/NDF:150460.1/44

All: 17.237+/-0.002 χ^2/NDF: 308735.3/85


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -9.759+/-5.138 χ²/NDF: 22.0/17
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 9.748+/-5.252 χ²/NDF: 14.8/21
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -0.219+/-3.673 χ²/NDF: 43.9/39
In: -0.834+/-1.927 χ²/NDF:55.0/40
Out: -6.636+/-1.874 χ²/NDF:88.0/46
All: -3.816+/-1.344 χ²/NDF: 147.6/87


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13922.278+/-3.633 χ²/NDF: 967375.7/17
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 15327.688+/-3.714 χ²/NDF: 1245587.4/21
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 14609.569+/-2.597 χ²/NDF: 2286130.1/39
In: 9566.113+/-1.363 χ²/NDF:2940013.6/40
Out: 9605.374+/-1.325 χ²/NDF:4311066.6/46
All: 9586.292+/-0.950 χ²/NDF: 7251506.7/87



Right In: 0.160+/-0.166 χ^2/NDF: 15.2/17

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.114+/-0.159 χ^2/NDF: 16.7/21

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

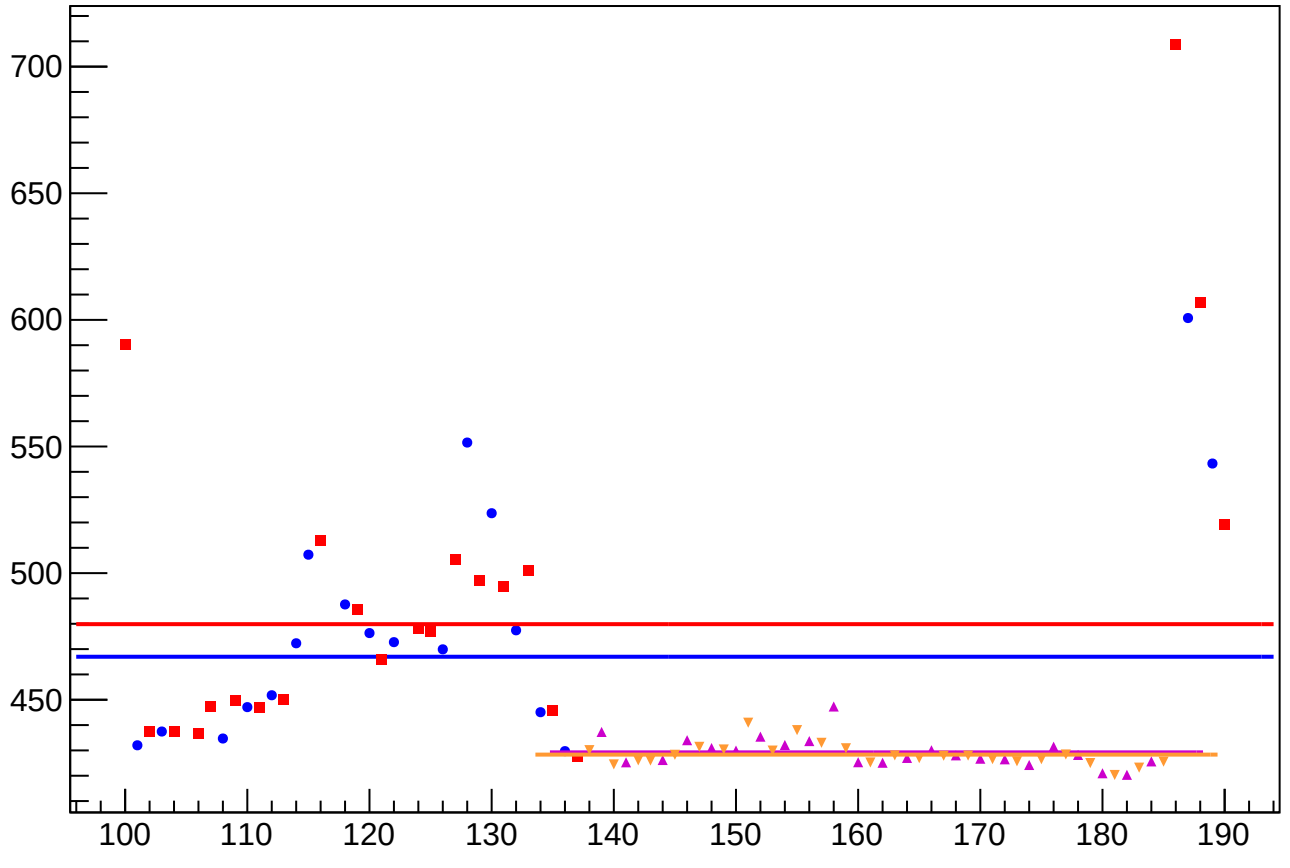
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.136+/-0.115 χ^2/NDF: 31.9/39

In: 0.075+/-0.086 χ^2/NDF:39.4/40

Out: -0.170+/-0.083 χ^2/NDF:42.1/46

All: -0.052+/-0.060 χ^2/NDF: 85.7/87



Right In: 466.985+/-0.117 χ^2/NDF: 116933.9/17

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 479.852+/-0.113 χ^2/NDF: 244543.6/21

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

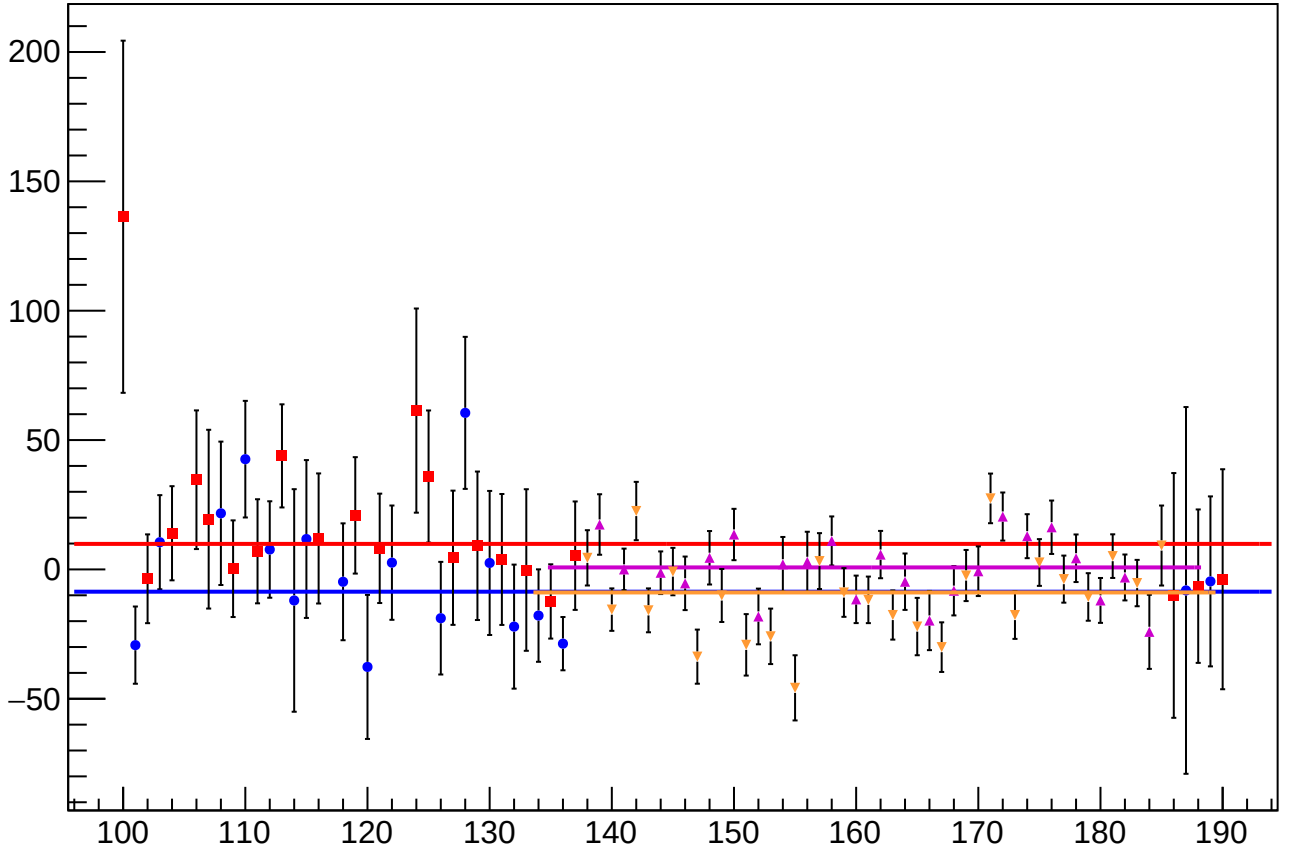
Right: 473.695+/-0.081 χ^2/NDF: 367732.6/39

In: 439.303+/-0.061 χ^2/NDF:199413.5/40

Out: 442.360+/-0.059 χ^2/NDF:401066.5/46

All: 440.882+/-0.042 χ^2/NDF: 601790.5/87

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.611+/-4.965 χ^2/NDF: 22.3/17

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 9.863+/-5.048 χ^2/NDF: 14.5/21

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

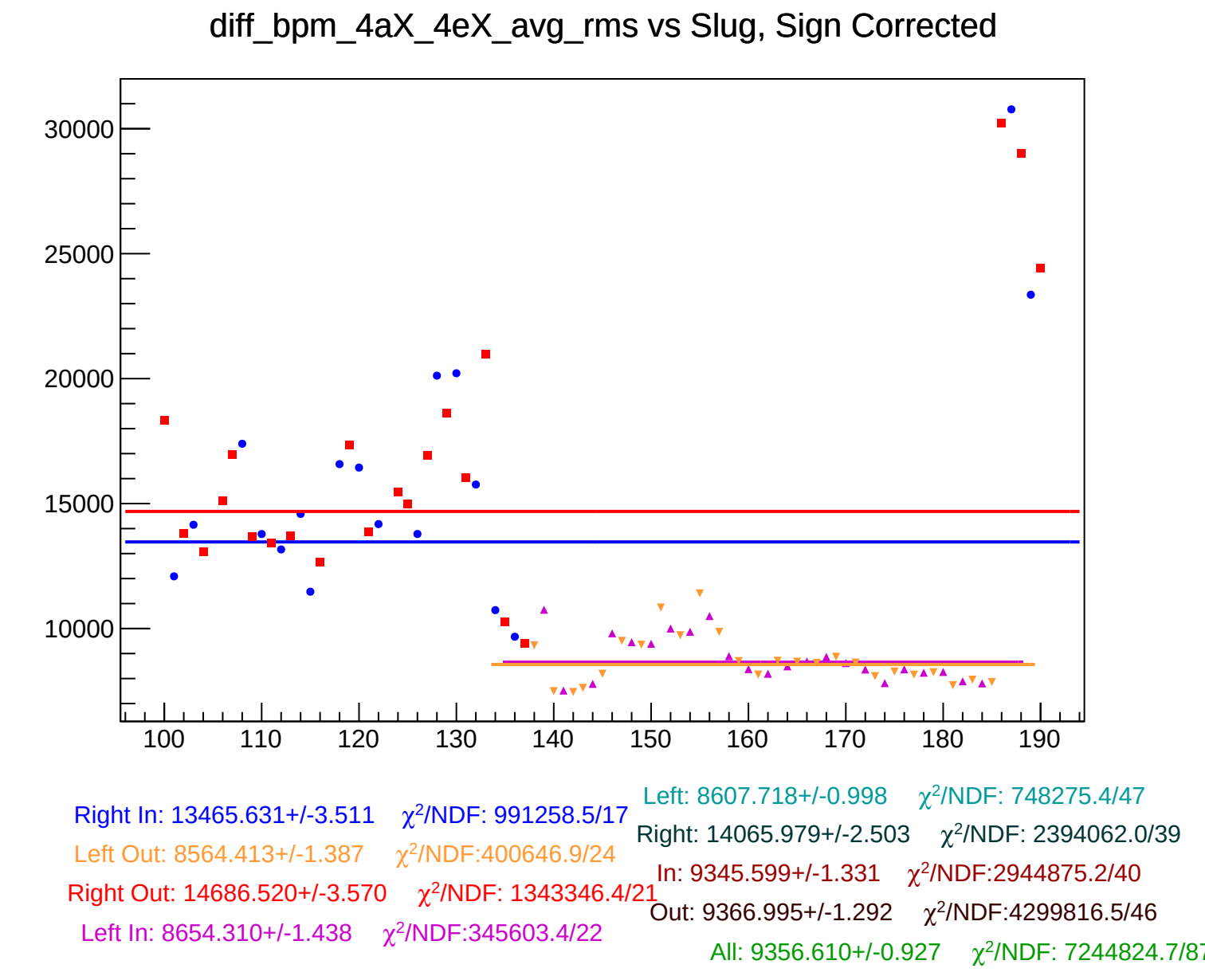
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

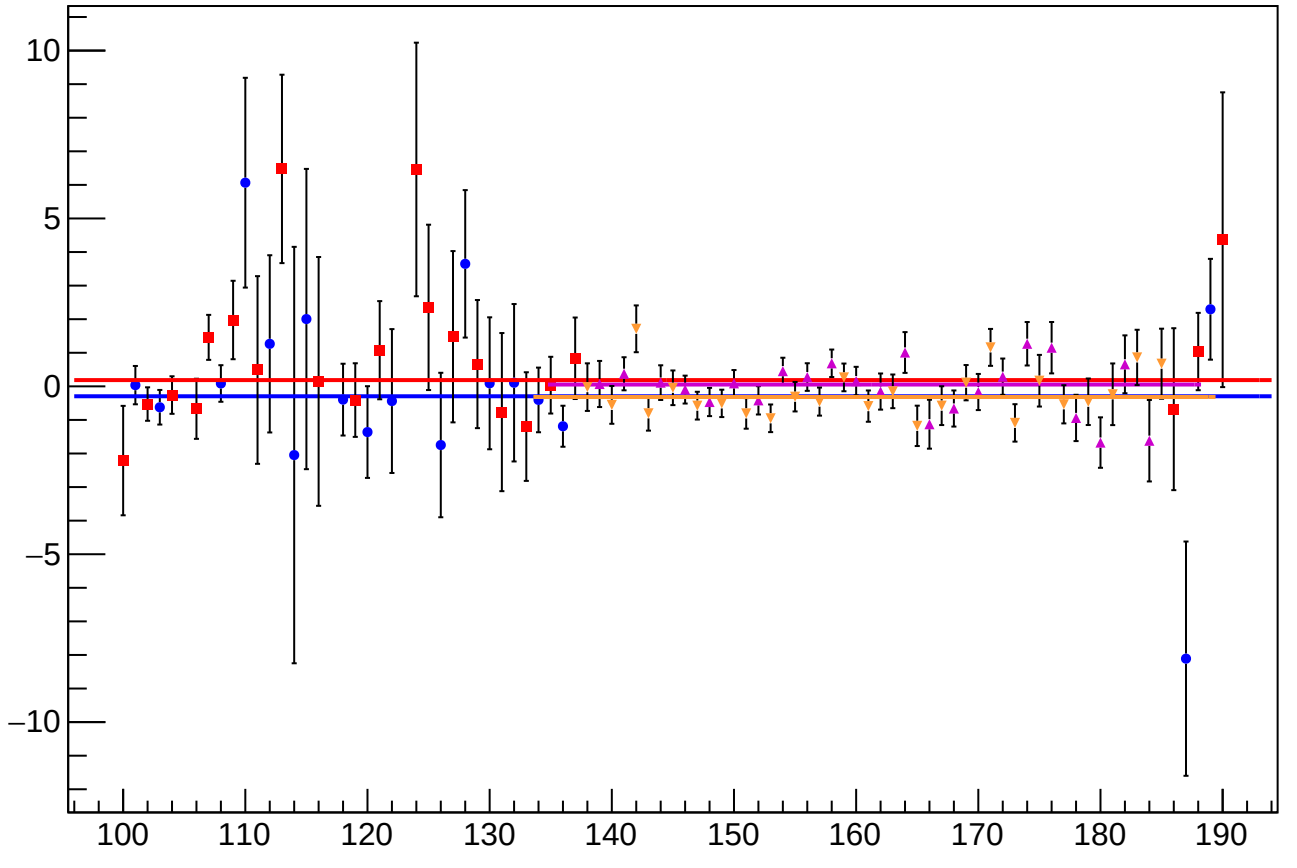
Right: 0.473+/-3.540 χ^2/NDF: 43.6/39

In: -0.576+/-1.882 χ^2/NDF:54.6/40

Out: -6.444+/-1.828 χ^2/NDF:88.1/46

All: -3.596+/-1.311 χ^2/NDF: 147.7/87


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13465.631+/-3.511 χ²/NDF: 991258.5/17
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 14686.520+/-3.570 χ²/NDF: 1343346.4/21
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 14065.979+/-2.503 χ²/NDF: 2394062.0/39
In: 9345.599+/-1.331 χ²/NDF:2944875.2/40
Out: 9366.995+/-1.292 χ²/NDF:4299816.5/46
All: 9356.610+/-0.927 χ²/NDF: 7244824.7/87



Right In: -0.295+/-0.240 χ^2/NDF: 20.6/17

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.186+/-0.238 χ^2/NDF: 24.1/21

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

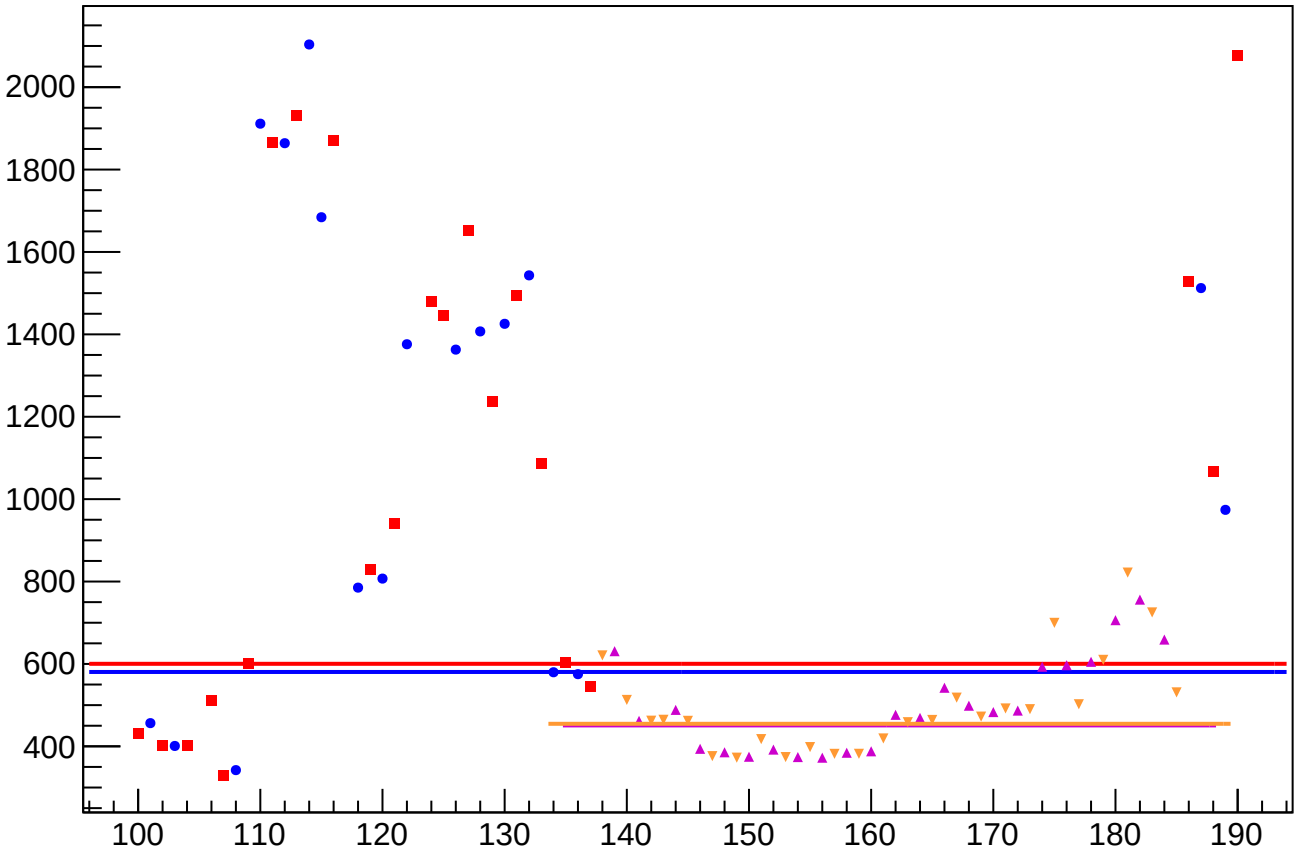
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.052+/-0.169 χ^2/NDF: 46.7/39

In: -0.005+/-0.099 χ^2/NDF:52.1/40

Out: -0.234+/-0.097 χ^2/NDF:60.1/46

All: -0.122+/-0.069 χ^2/NDF: 115.0/87



Right In: 580.502+/-0.170 χ^2/NDF: 3738187.2/17

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 600.309+/-0.168 χ^2/NDF: 4462929.7/21

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

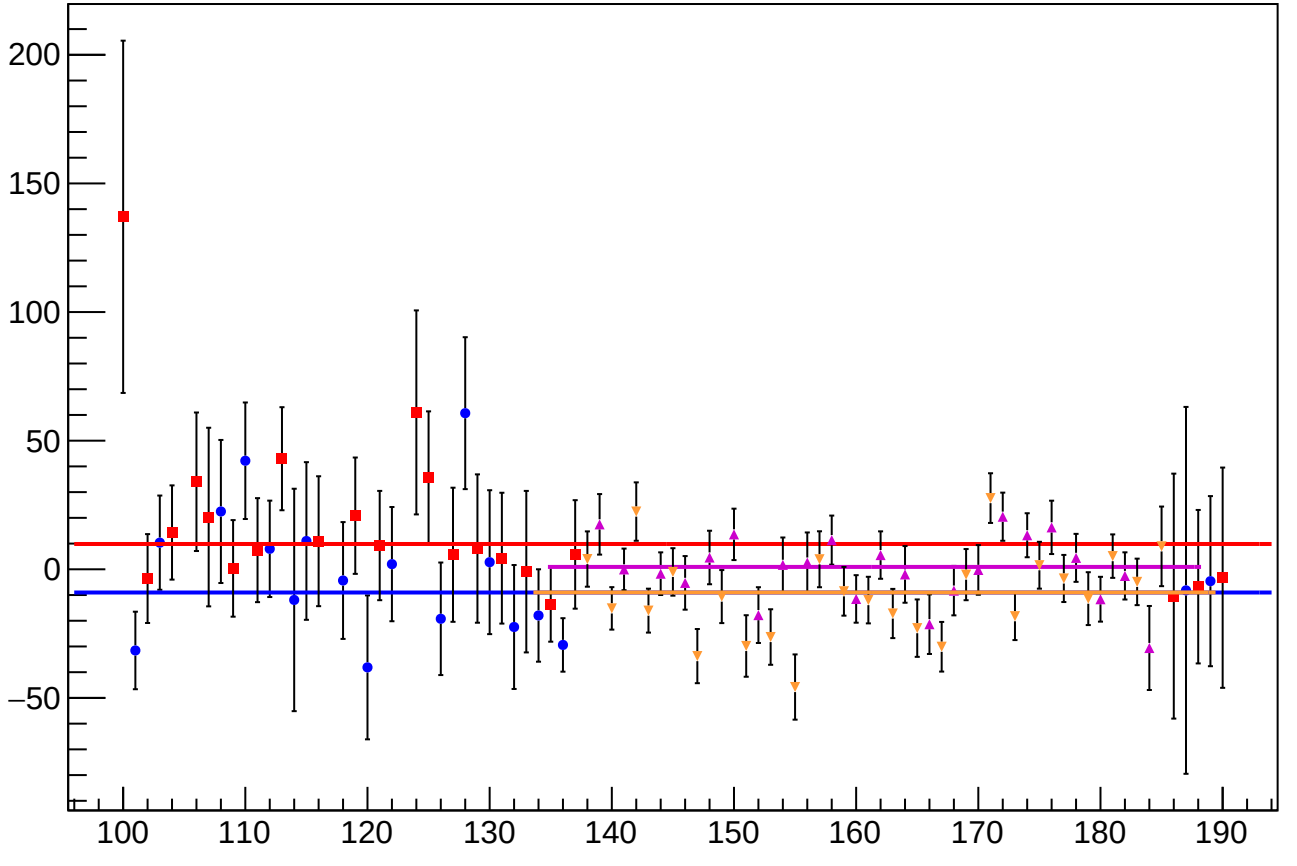
Right: 590.524+/-0.119 χ^2/NDF: 8207987.5/39

In: 472.602+/-0.070 χ^2/NDF:5694173.5/40

Out: 478.870+/-0.068 χ^2/NDF:6541110.3/46

All: 475.795+/-0.049 χ^2/NDF: 12239399.4/87

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.022+/-4.998 χ^2/NDF: 22.8/17

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 9.838+/-5.083 χ^2/NDF: 14.3/21

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

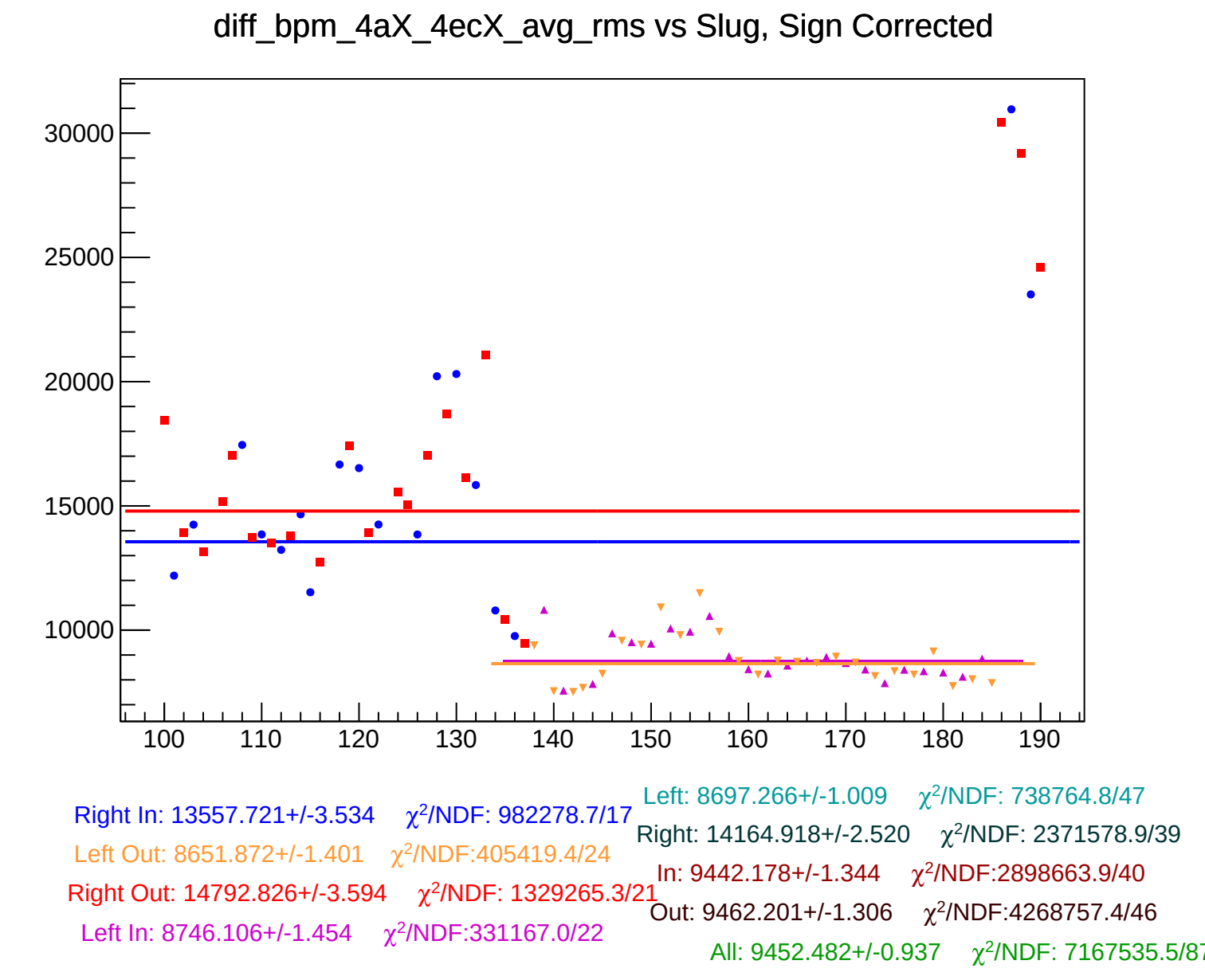
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

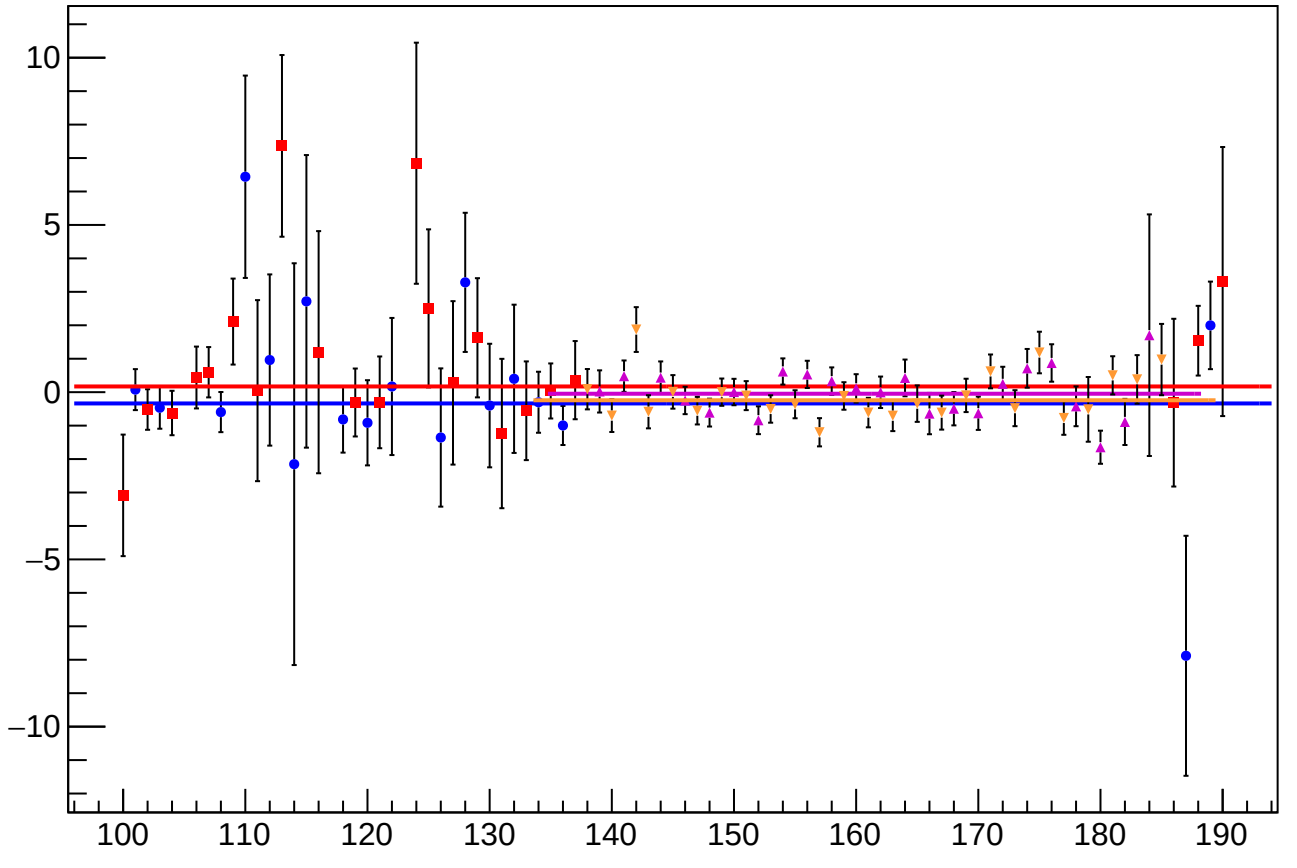
Right: 0.250+/-3.564 χ^2/NDF: 44.1/39

In: -0.514+/-1.901 χ^2/NDF:56.0/40

Out: -6.515+/-1.846 χ^2/NDF:87.5/46

All: -3.602+/-1.325 χ^2/NDF: 148.6/87


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13557.721+/-3.534 χ²/NDF: 982278.7/17
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 14792.826+/-3.594 χ²/NDF: 1329265.3/21
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 14164.918+/-2.520 χ²/NDF: 2371578.9/39
In: 9442.178+/-1.344 χ²/NDF:2898663.9/40
Out: 9462.201+/-1.306 χ²/NDF:4268757.4/46
All: 9452.482+/-0.937 χ²/NDF: 7167535.5/87



Right In: -0.337+/-0.250 χ^2/NDF: 19.3/17

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.171+/-0.255 χ^2/NDF: 24.2/21

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

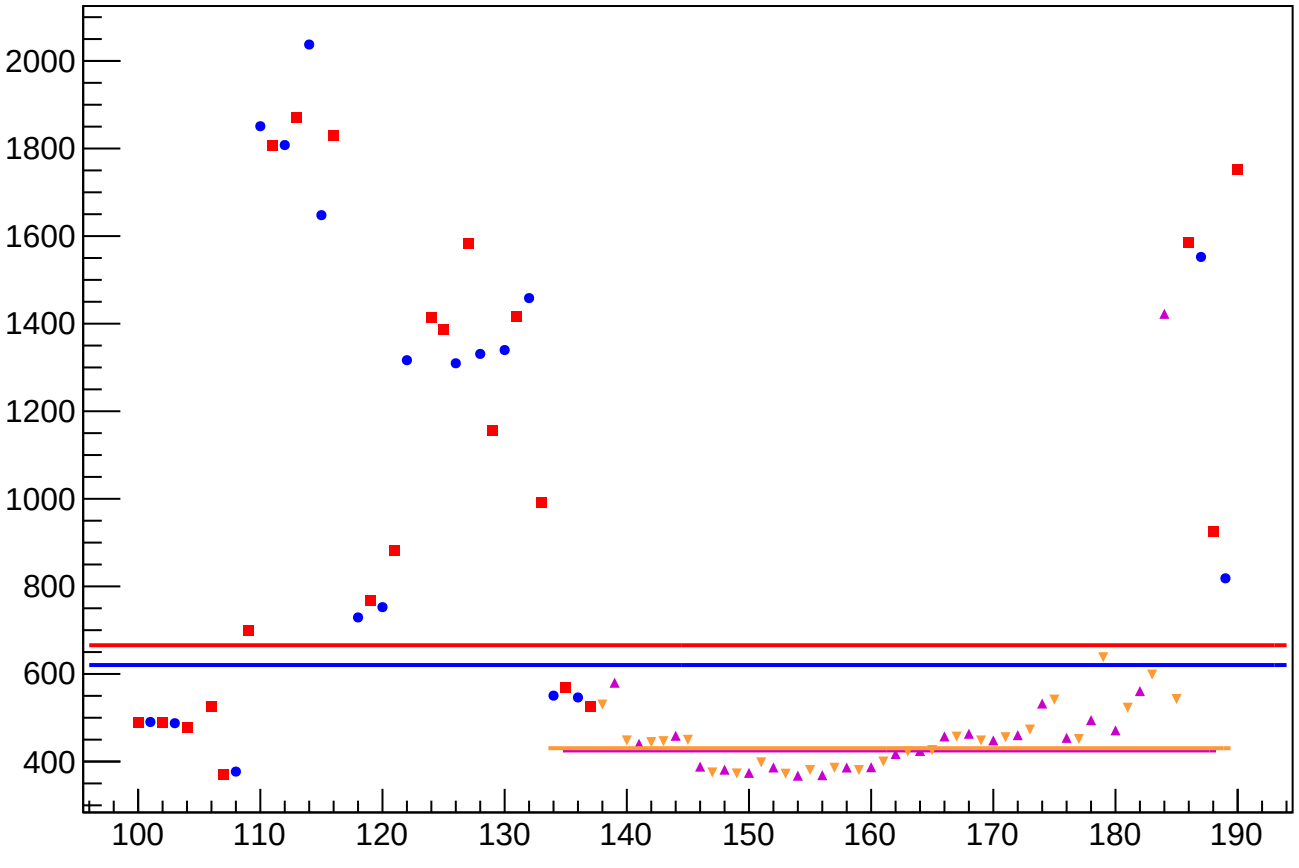
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.087+/-0.178 χ^2/NDF: 45.5/39

In: -0.088+/-0.094 χ^2/NDF:55.5/40

Out: -0.187+/-0.093 χ^2/NDF:60.8/46

All: -0.138+/-0.066 χ^2/NDF: 116.8/87



Right In: 620.354+/-0.177 χ^2/NDF: 3038091.9/17

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 665.576+/-0.180 χ^2/NDF: 3356978.9/21

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

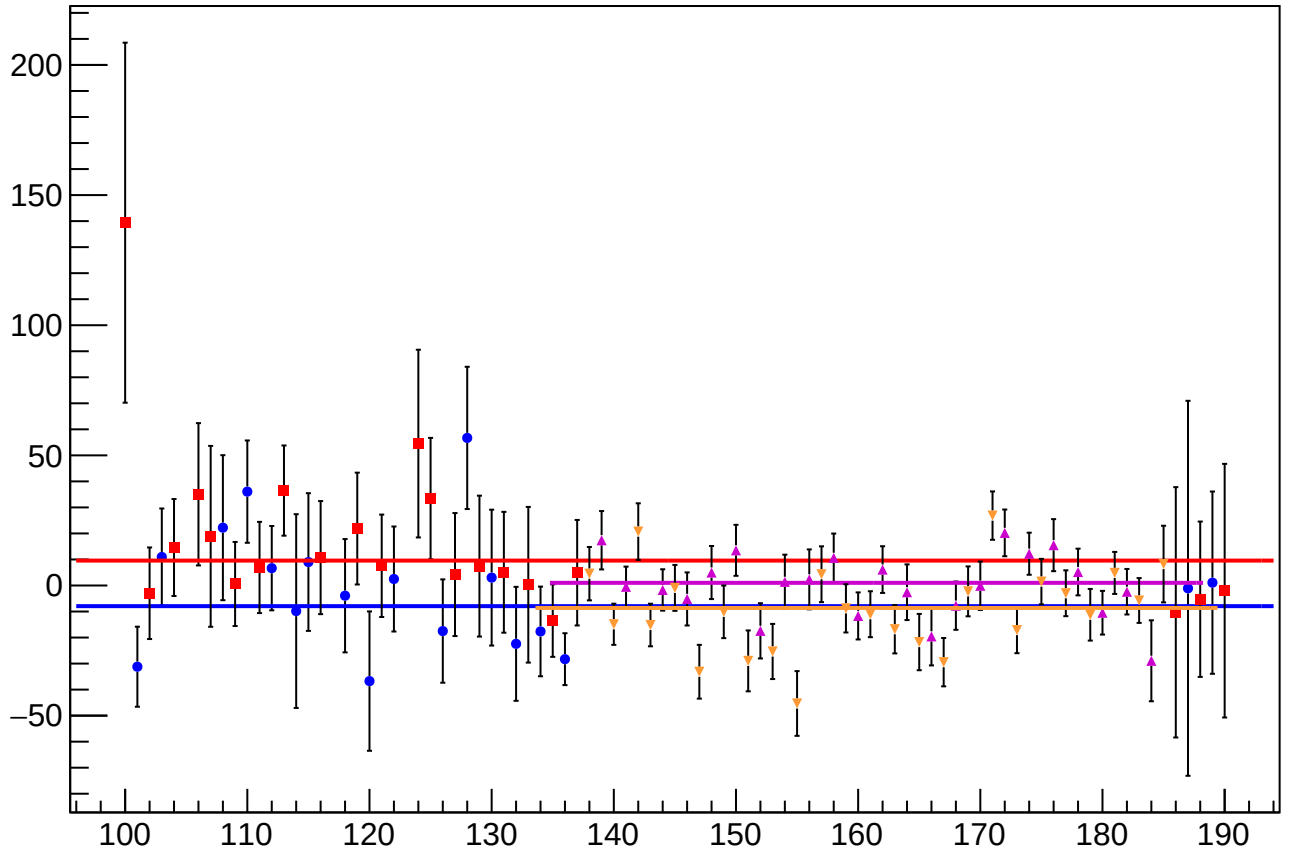
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

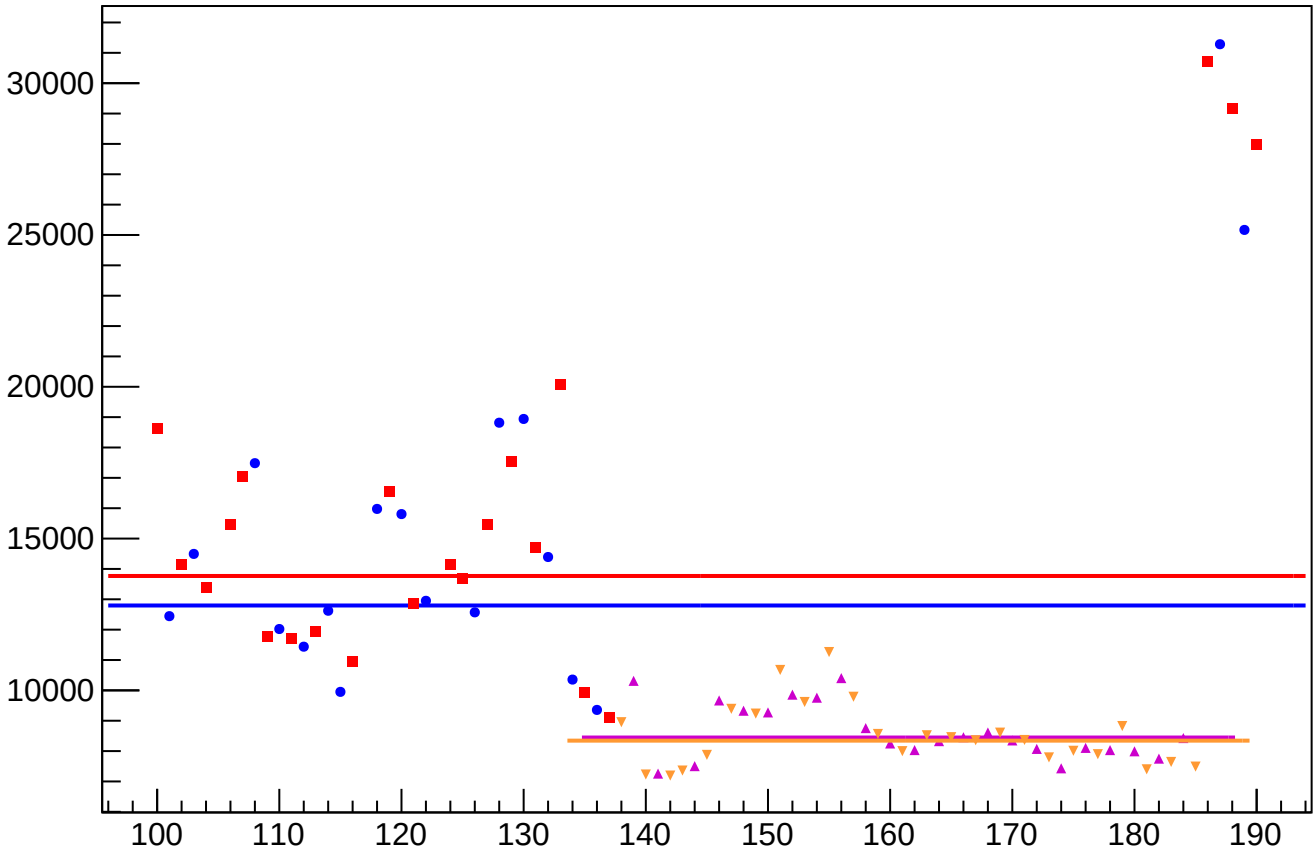
Right: 642.589+/-0.126 χ^2/NDF: 6427157.2/39

In: 452.886+/-0.067 χ^2/NDF:4797380.1/40

Out: 461.989+/-0.066 χ^2/NDF:5482679.9/46

All: 457.480+/-0.047 χ^2/NDF: 10289499.5/87


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -7.934+/-4.725 χ²/NDF: 23.2/17
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 9.572+/-4.763 χ²/NDF: 14.2/21
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.749+/-3.354 χ²/NDF: 44.2/39
In: -0.319+/-1.831 χ²/NDF:56.0/40
Out: -6.095+/-1.775 χ²/NDF:88.4/46
All: -3.297+/-1.275 χ²/NDF: 149.5/87



Right In: 12795.778+/-3.341 χ^2/NDF: 1061459.0/17

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13767.966+/-3.368 χ^2/NDF: 1539748.8/21

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

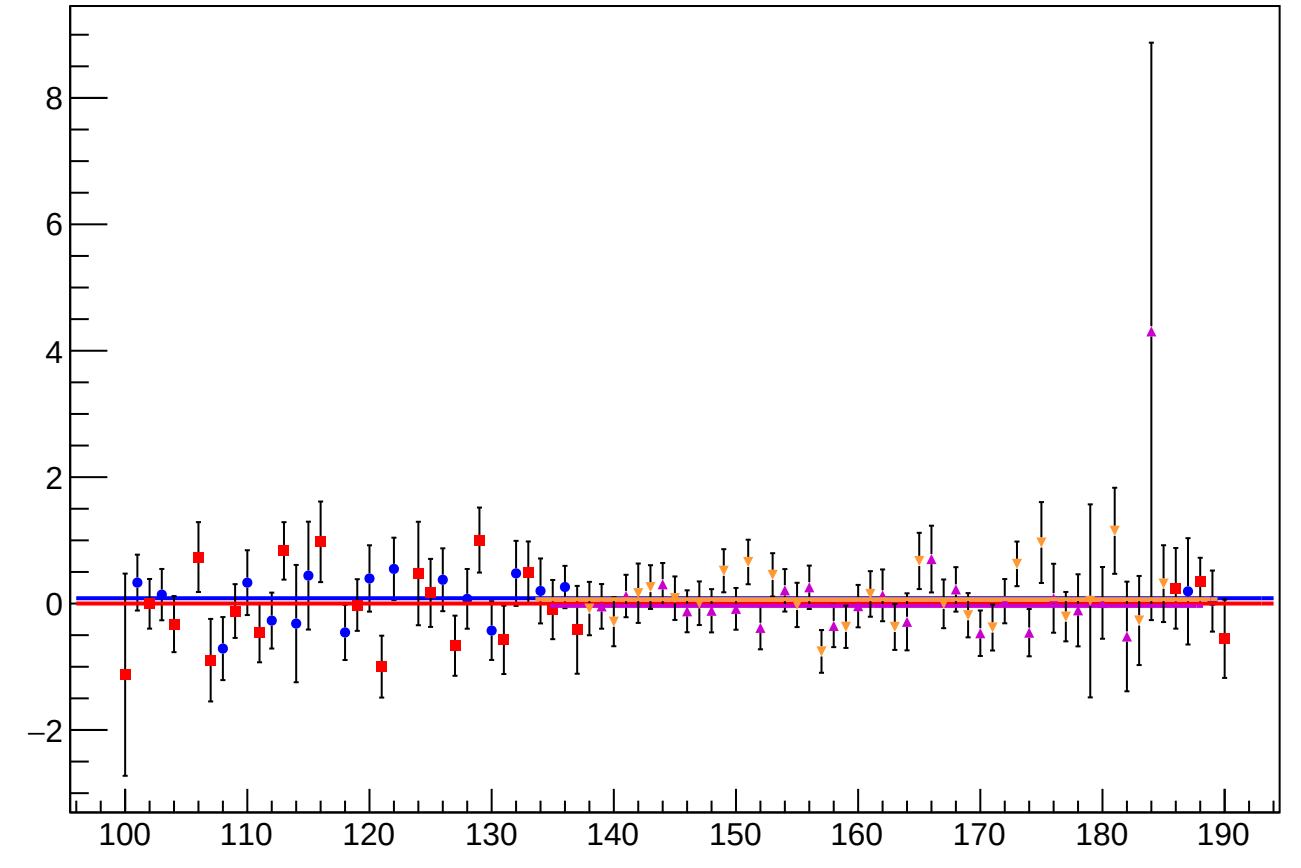
Left: 8393.566+/-0.974 χ^2/NDF: 853901.2/47

Right: 13277.987+/-2.372 χ^2/NDF: 2643204.4/39

In: 9100.024+/-1.295 χ^2/NDF:2883251.6/40

Out: 9097.736+/-1.255 χ^2/NDF:4242135.7/46

All: 9098.845+/-0.901 χ^2/NDF: 7125389.0/87



Right In: 0.084+/-0.116 χ^2/NDF: 9.4/17

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.001+/-0.109 χ^2/NDF: 26.1/21

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

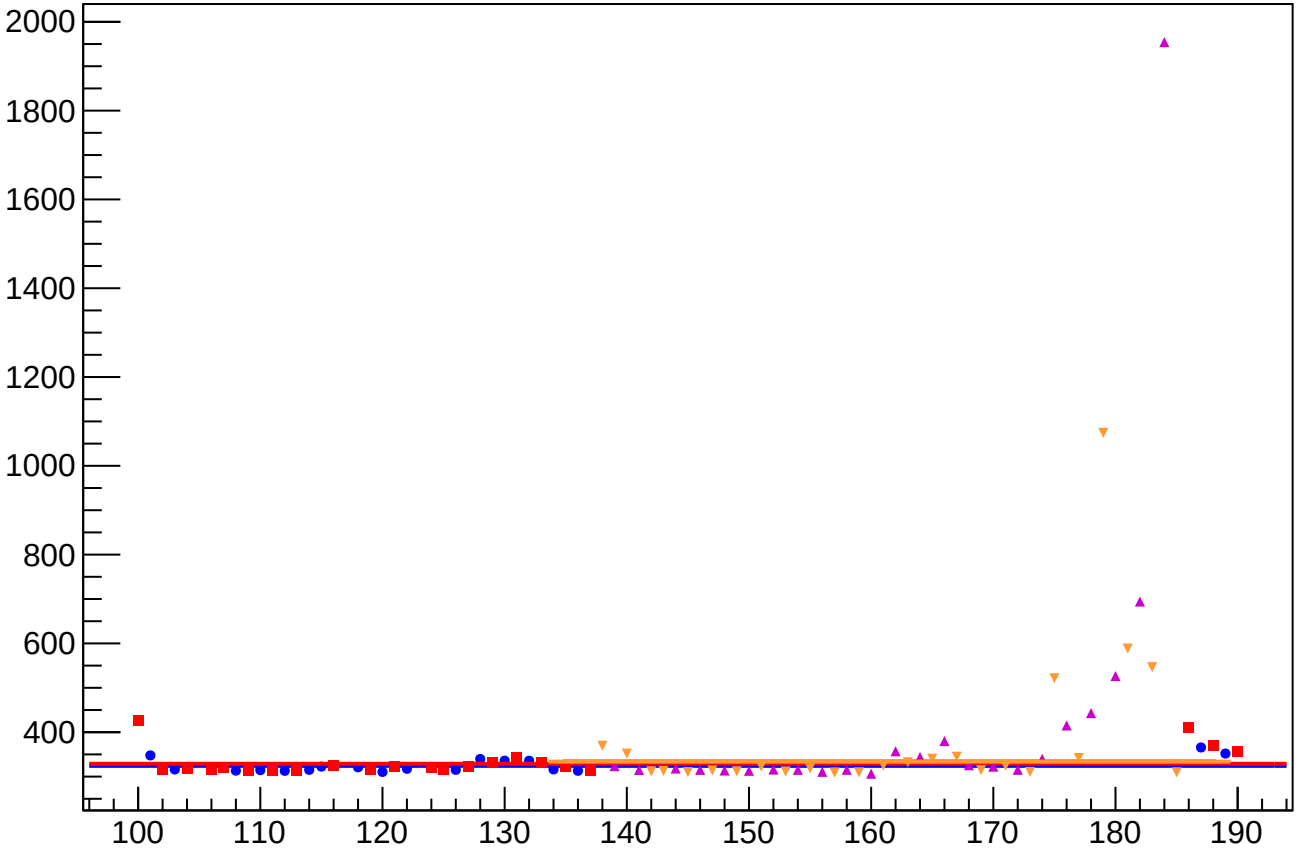
Right: 0.040+/-0.079 χ^2/NDF: 35.8/39

In: 0.003+/-0.066 χ^2/NDF:21.8/40

Out: 0.046+/-0.064 χ^2/NDF:54.6/46

All: 0.025+/-0.046 χ^2/NDF: 76.6/87

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 324.278+/-0.082 χ^2/NDF: 30475.8/17

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 328.862+/-0.077 χ^2/NDF: 85932.1/21

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

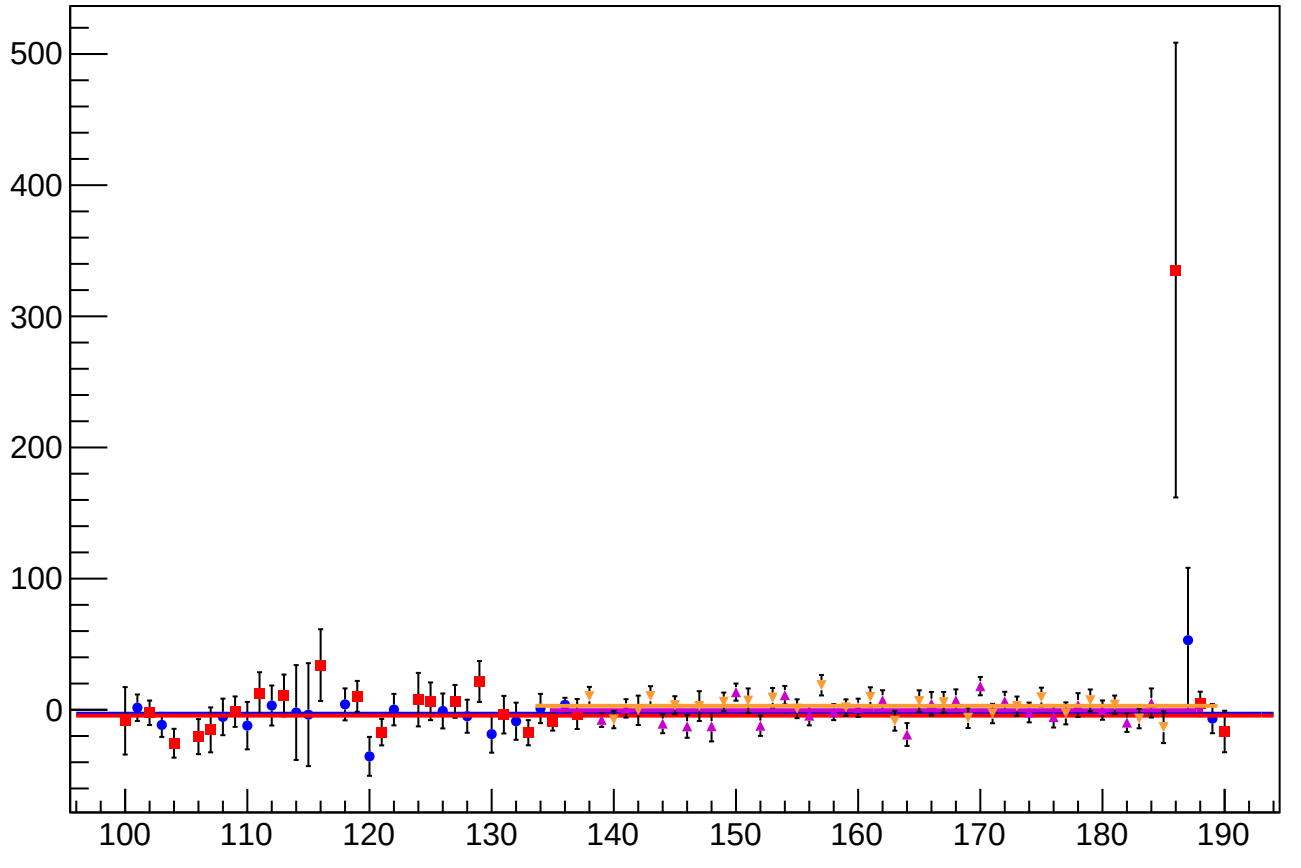
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 326.707+/-0.056 χ^2/NDF: 118077.3/39

In: 330.786+/-0.047 χ^2/NDF:1090924.6/40

Out: 332.083+/-0.045 χ^2/NDF:1305867.4/46

All: 331.457+/-0.033 χ^2/NDF: 2397188.6/87



Right In: -3.019+/-2.812 χ^2/NDF: 11.0/17

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -4.445+/-2.664 χ^2/NDF: 24.8/21

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

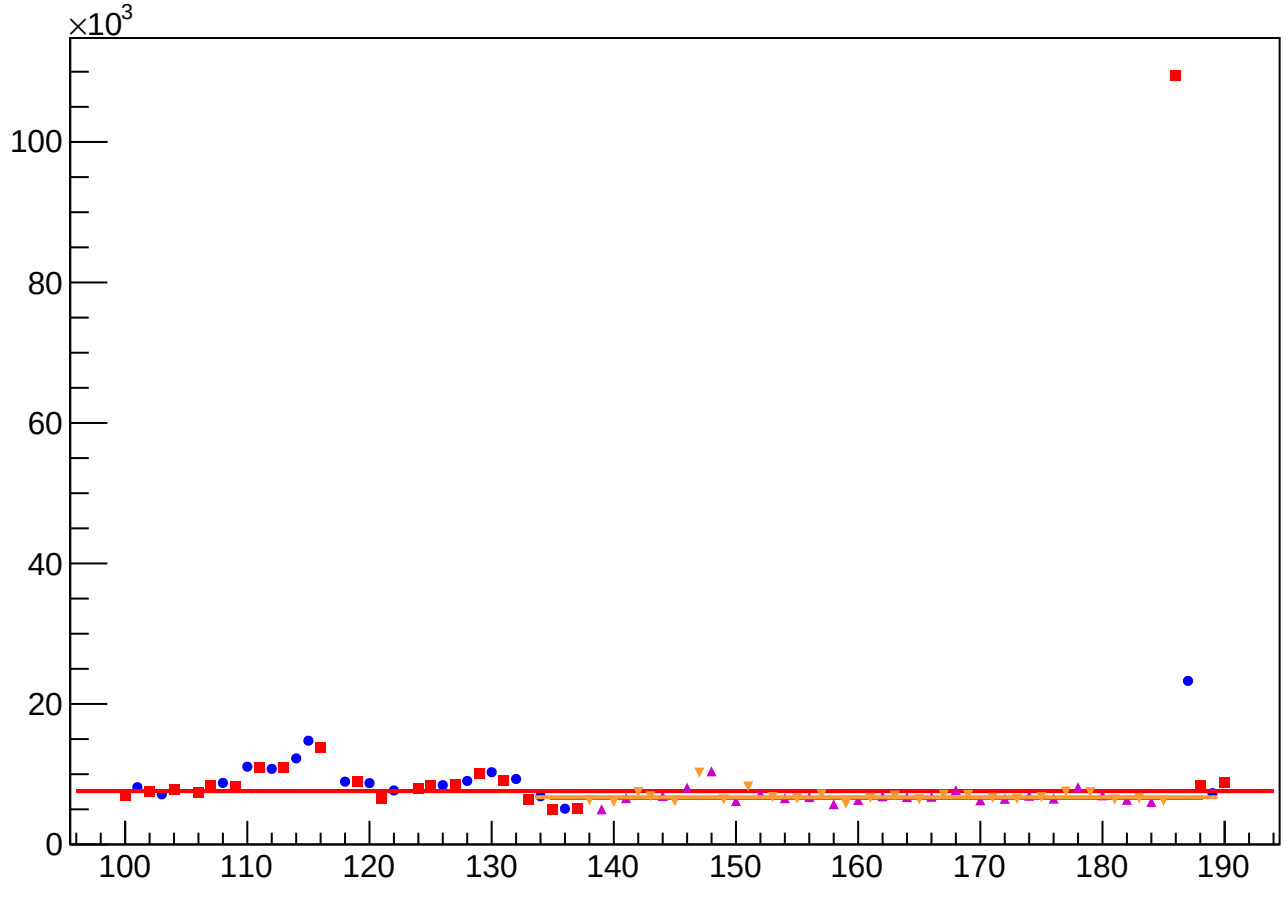
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.771+/-1.934 χ^2/NDF: 35.9/39

In: -0.984+/-1.370 χ^2/NDF:45.5/40

Out: 1.149+/-1.334 χ^2/NDF:51.0/46

All: 0.110+/-0.956 χ^2/NDF: 97.7/87



Right In: 7597.197+/-1.989 χ^2/NDF: 1060574.7/17

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7607.077+/-1.884 χ^2/NDF: 1550047.1/21

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

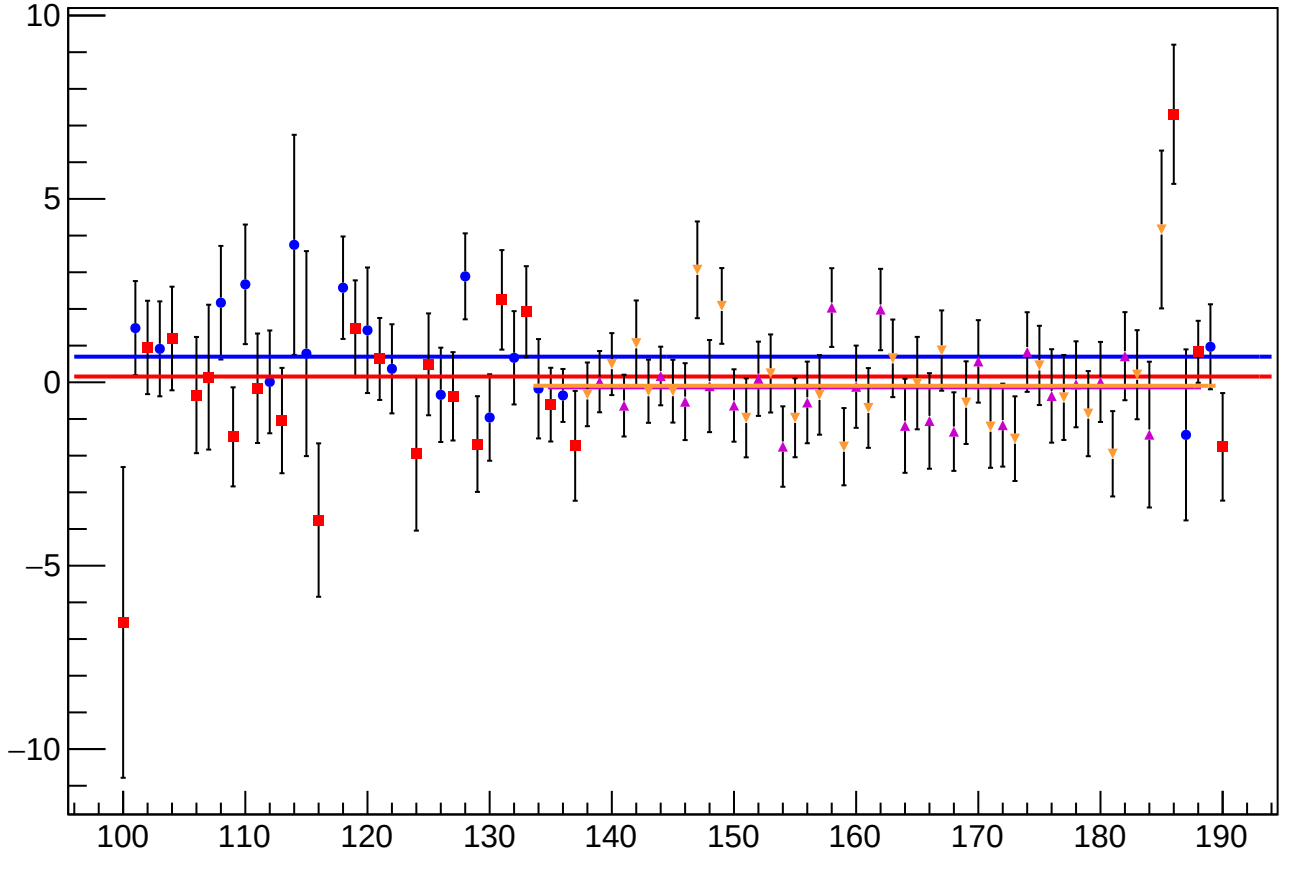
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 7602.405+/-1.368 χ^2/NDF: 2610634.8/39

In: 6861.528+/-0.969 χ^2/NDF:1869501.7/40

Out: 6944.789+/-0.943 χ^2/NDF:2118385.4/46

All: 6904.249+/-0.676 χ^2/NDF: 3991678.8/87



Right In: 0.698+/-0.311 χ^2/NDF: 15.7/17

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.157+/-0.292 χ^2/NDF: 36.8/21

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

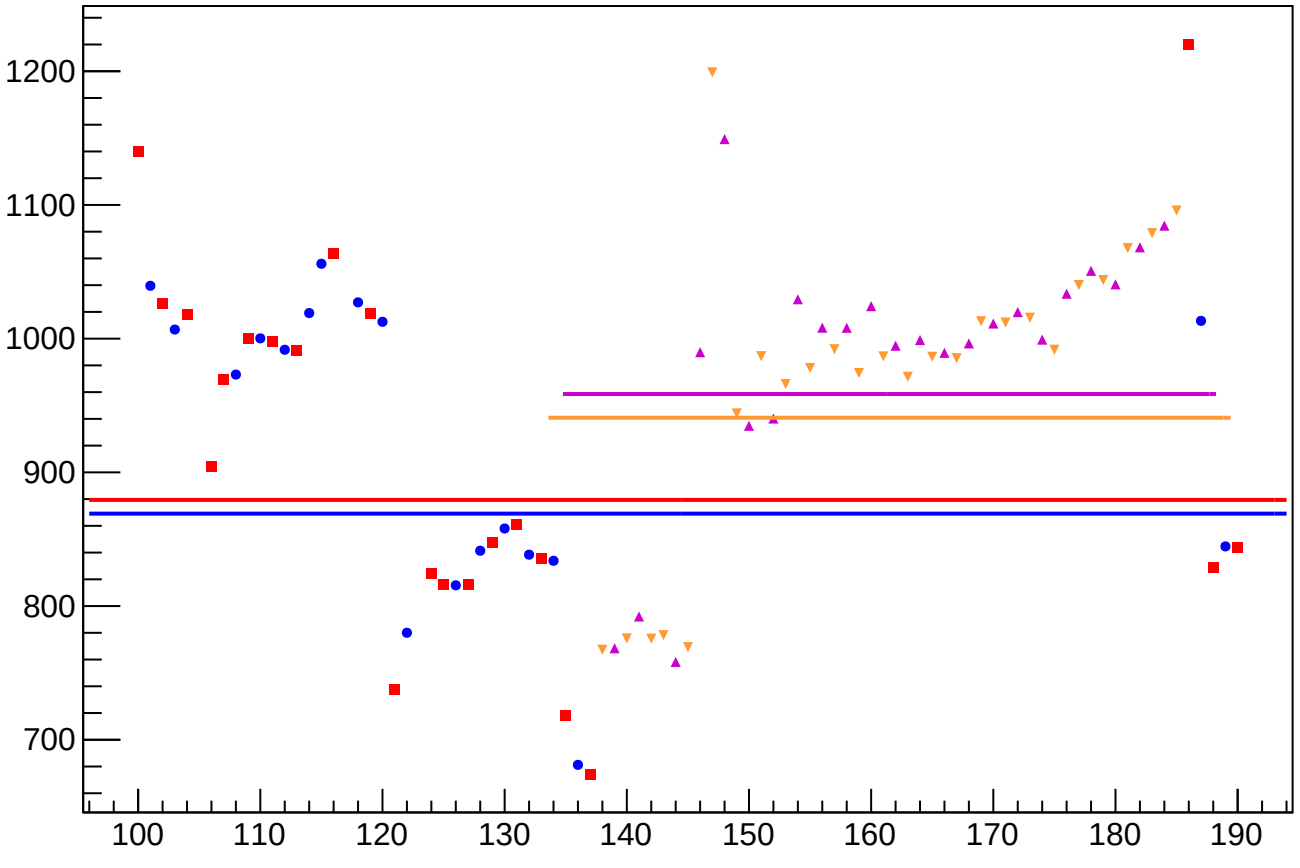
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.411+/-0.213 χ^2/NDF: 54.1/39

In: 0.150+/-0.182 χ^2/NDF:36.9/40

Out: -0.006+/-0.173 χ^2/NDF:64.6/46

All: 0.068+/-0.126 χ^2/NDF: 101.9/87



Right In: 869.132+/-0.220 χ^2/NDF: 310967.0/17

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 879.401+/-0.207 χ^2/NDF: 345337.5/21

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

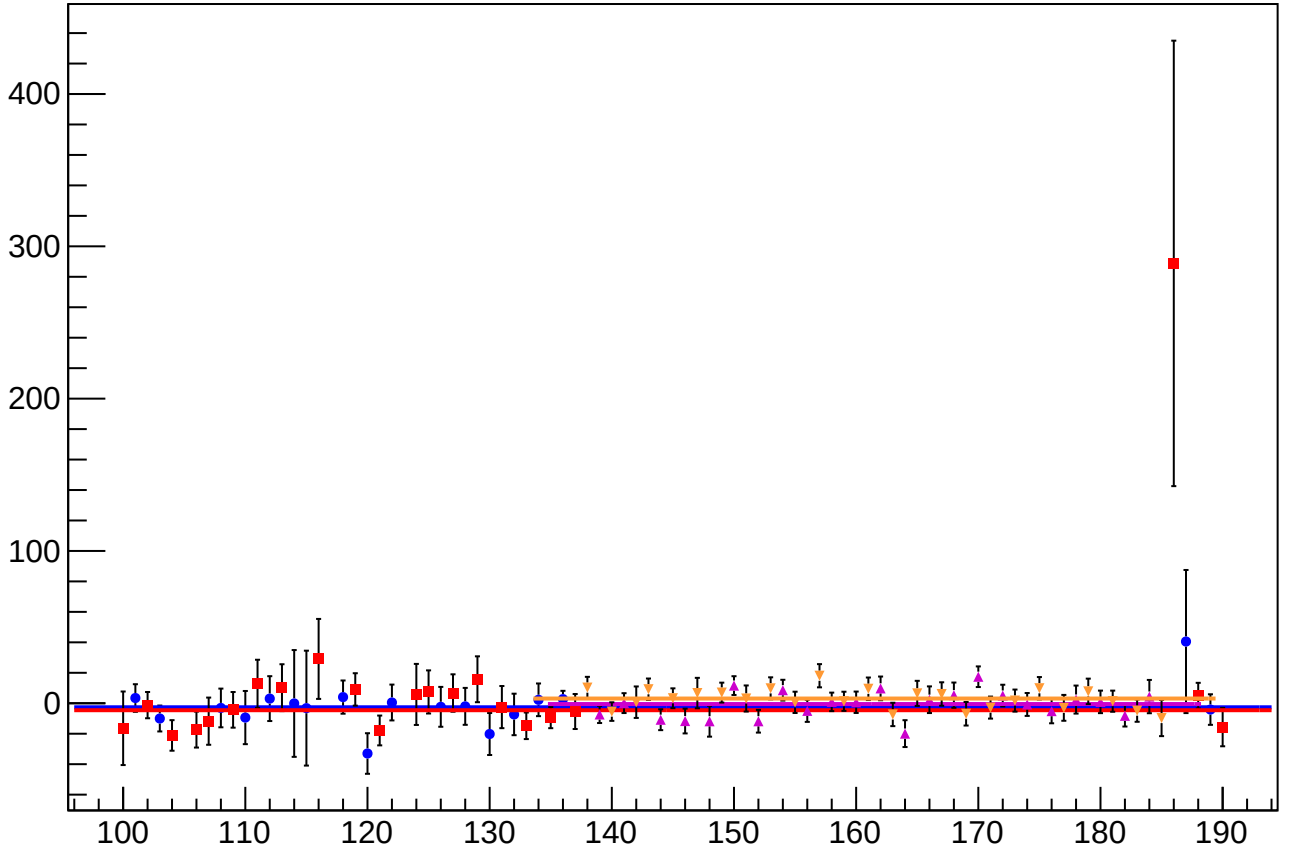
Right: 874.584+/-0.151 χ^2/NDF: 657462.5/39

In: 927.779+/-0.129 χ^2/NDF:876295.3/40

Out: 919.219+/-0.123 χ^2/NDF:971400.9/46

All: 923.281+/-0.089 χ^2/NDF: 1850009.3/87

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



Right In: -2.646+/-2.682 χ^2/NDF: 10.9/17

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -4.565+/-2.512 χ^2/NDF: 23.4/21

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

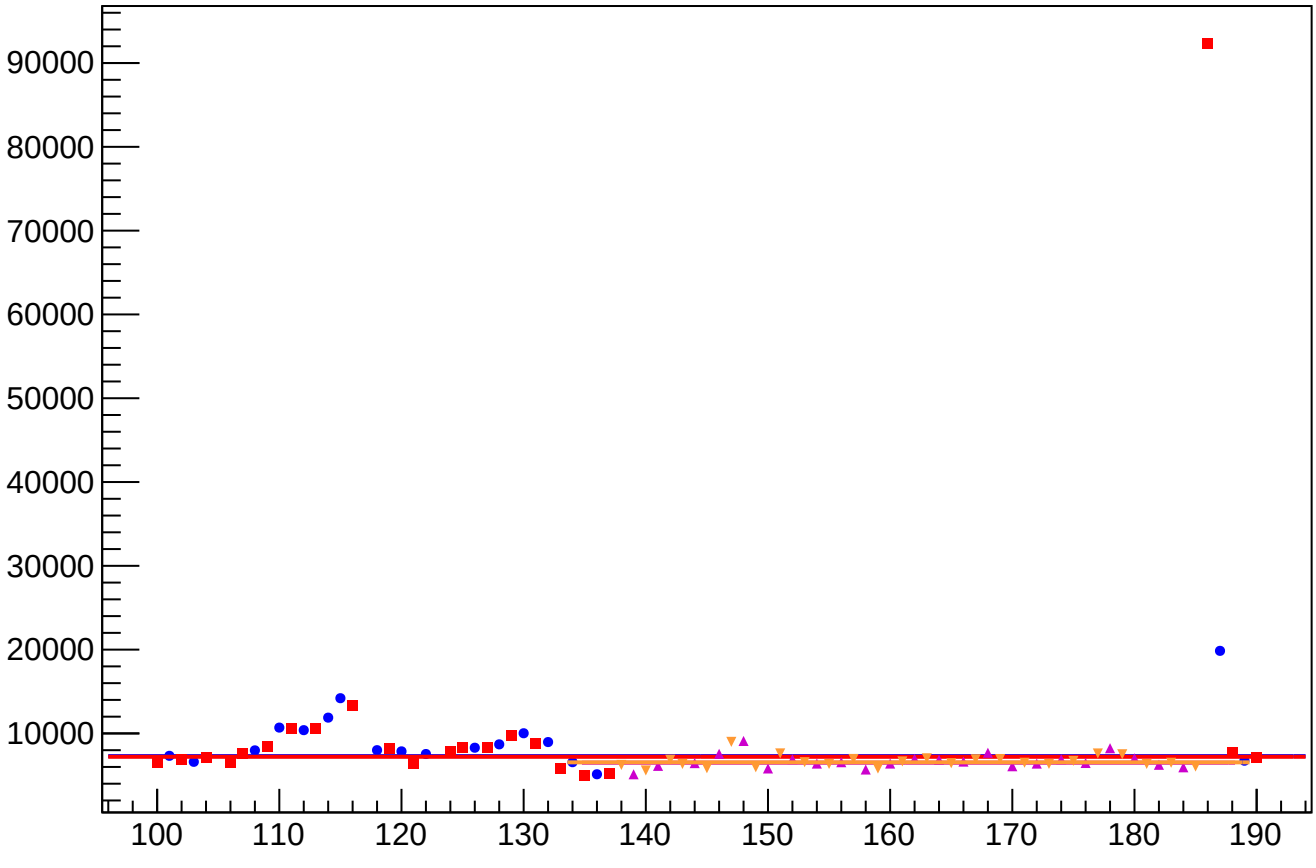
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -3.668+/-1.834 χ^2/NDF: 34.6/39

In: -1.044+/-1.332 χ^2/NDF:43.4/40

Out: 1.085+/-1.288 χ^2/NDF:48.8/46

All: 0.056+/-0.926 χ^2/NDF: 93.6/87



Right In: 7292.179+/-1.897 χ^2/NDF: 919505.4/17

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7214.170+/-1.776 χ^2/NDF: 1480213.9/21

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

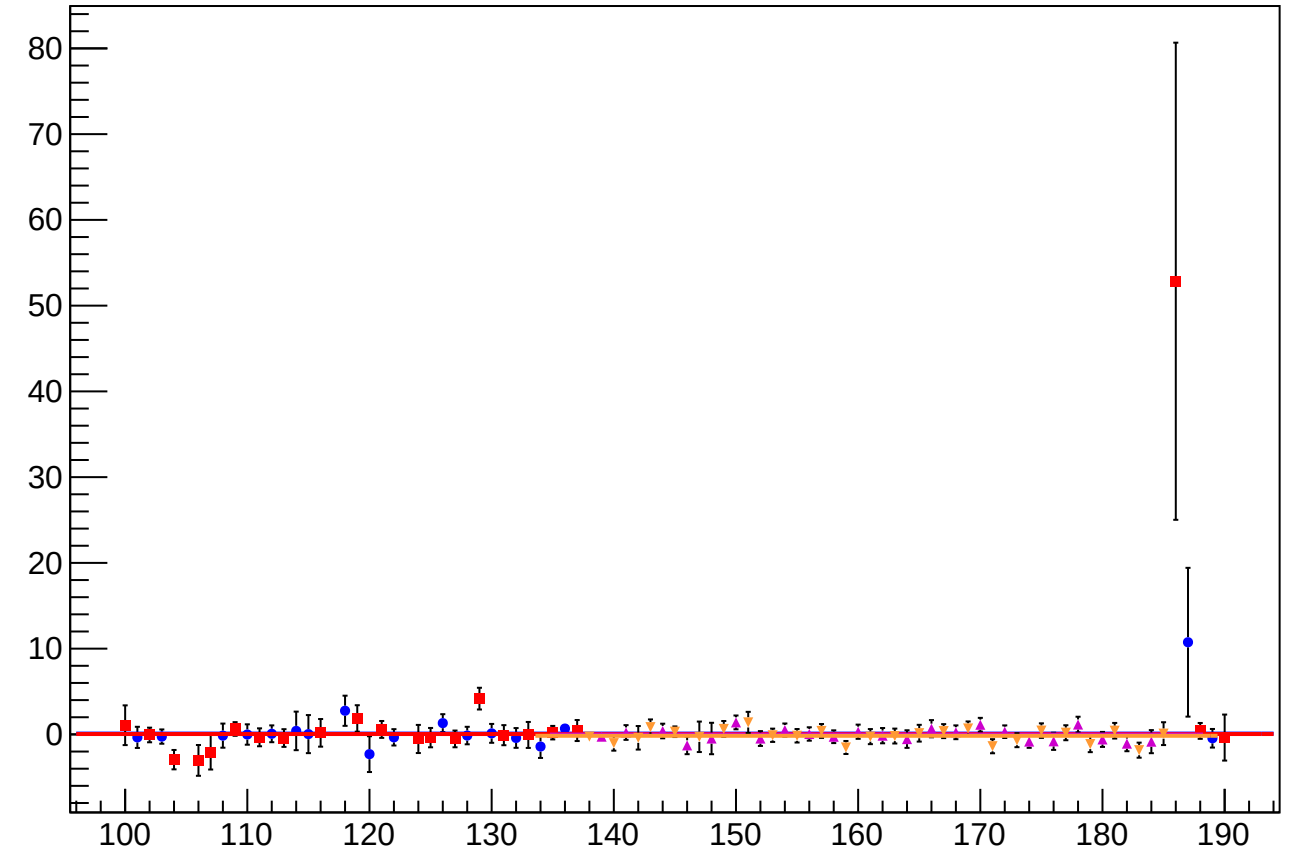
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 7250.627+/-1.296 χ^2/NDF: 2400620.4/39

In: 6699.237+/-0.942 χ^2/NDF:1564764.0/40

Out: 6723.779+/-0.911 χ^2/NDF:1949672.2/46

All: 6711.921+/-0.655 χ^2/NDF: 3514787.1/87



Right In: 0.093+/-0.265 χ^2/NDF: 9.9/17

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.042+/-0.252 χ^2/NDF: 29.0/21

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

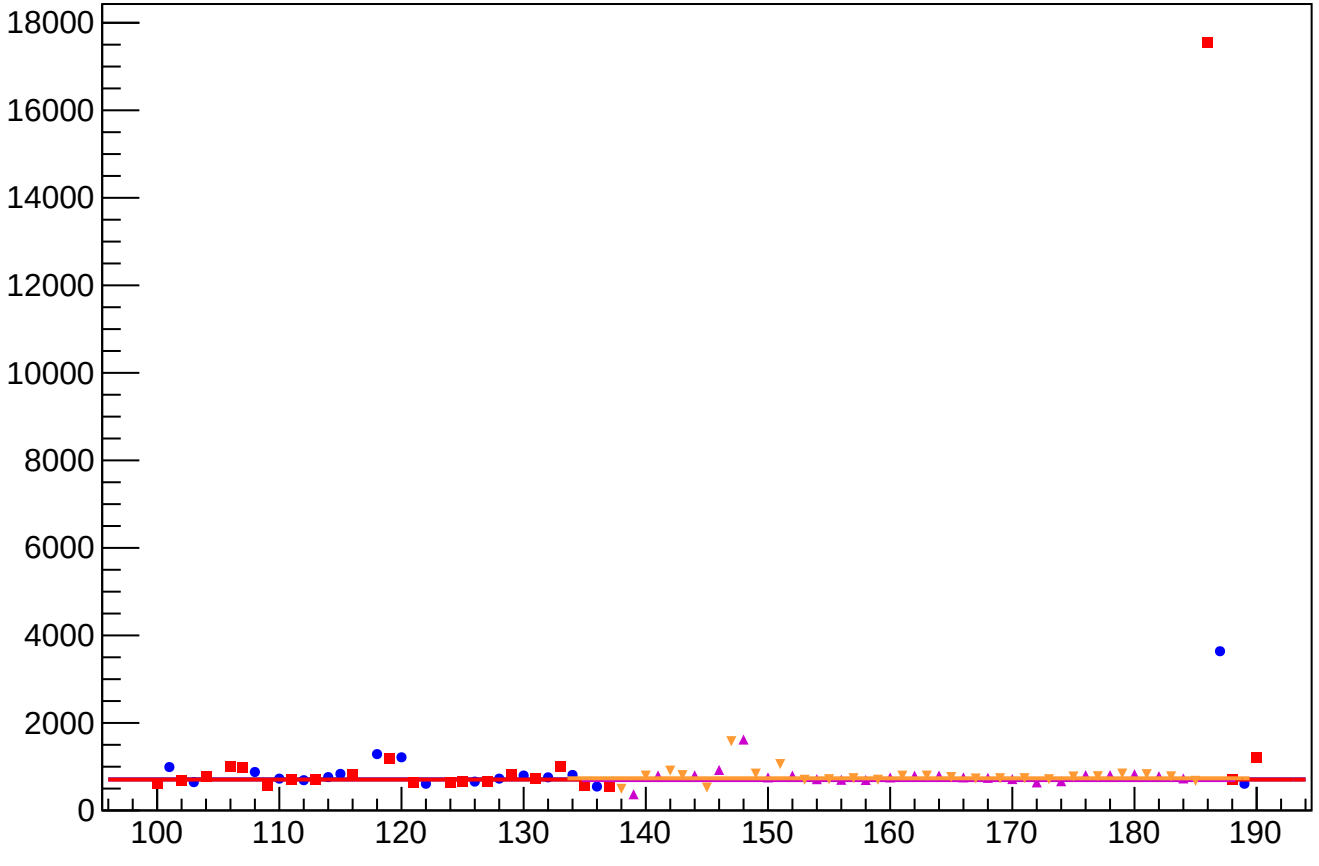
Right: 0.066+/-0.183 χ^2/NDF: 38.9/39

In: 0.015+/-0.142 χ^2/NDF:25.2/40

Out: -0.097+/-0.142 χ^2/NDF:48.4/46

All: -0.041+/-0.101 χ^2/NDF: 73.9/87

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 710.179+/-0.187 χ^2/NDF: 944525.1/17

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 706.209+/-0.178 χ^2/NDF: 1383490.6/21

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

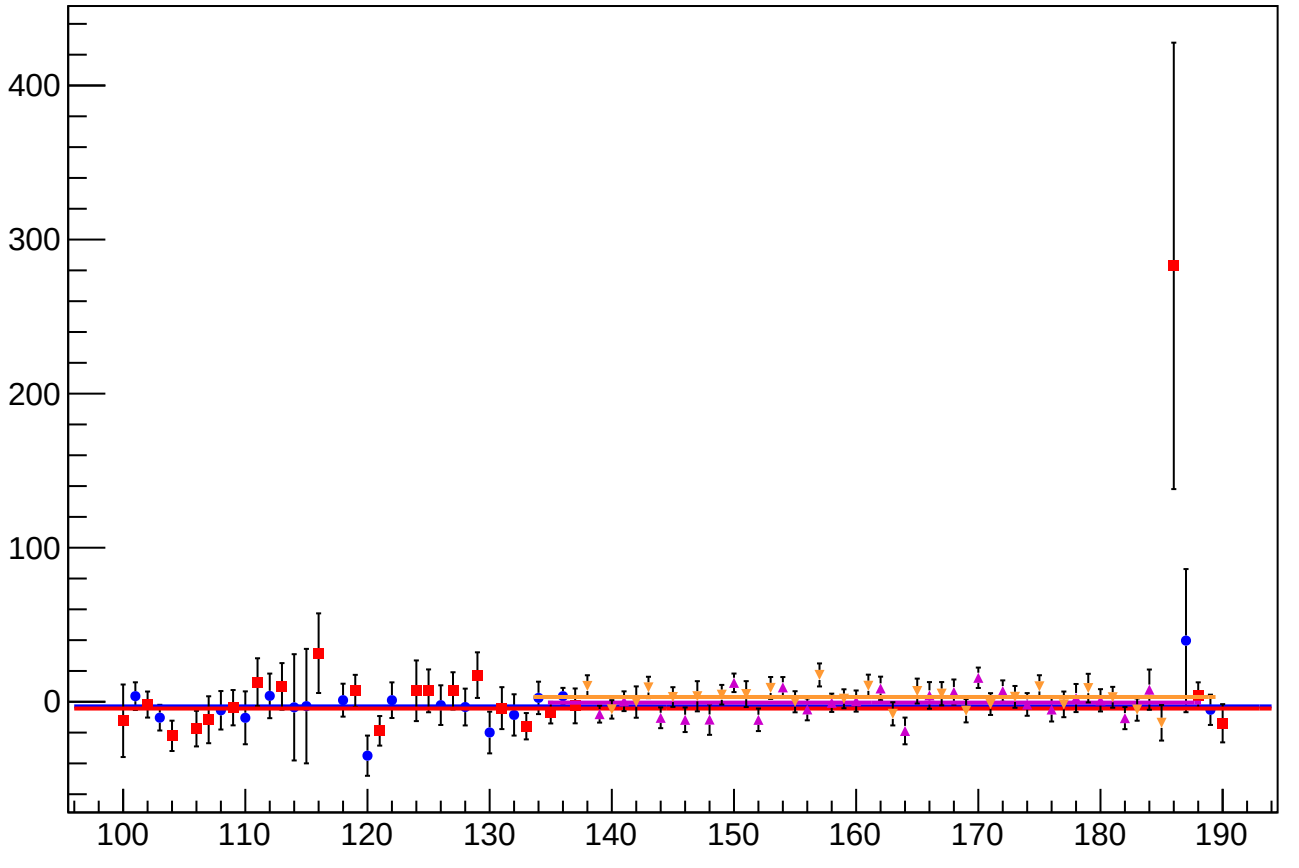
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 708.096+/-0.129 χ^2/NDF: 2328251.5/39

In: 698.793+/-0.101 χ^2/NDF:3174826.4/40

Out: 725.832+/-0.101 χ^2/NDF:2741017.5/46

All: 712.347+/-0.071 χ^2/NDF: 5951941.4/87



Right In: -2.998+/-2.640 χ^2/NDF: 12.5/17

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -4.393+/-2.475 χ^2/NDF: 24.2/21

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

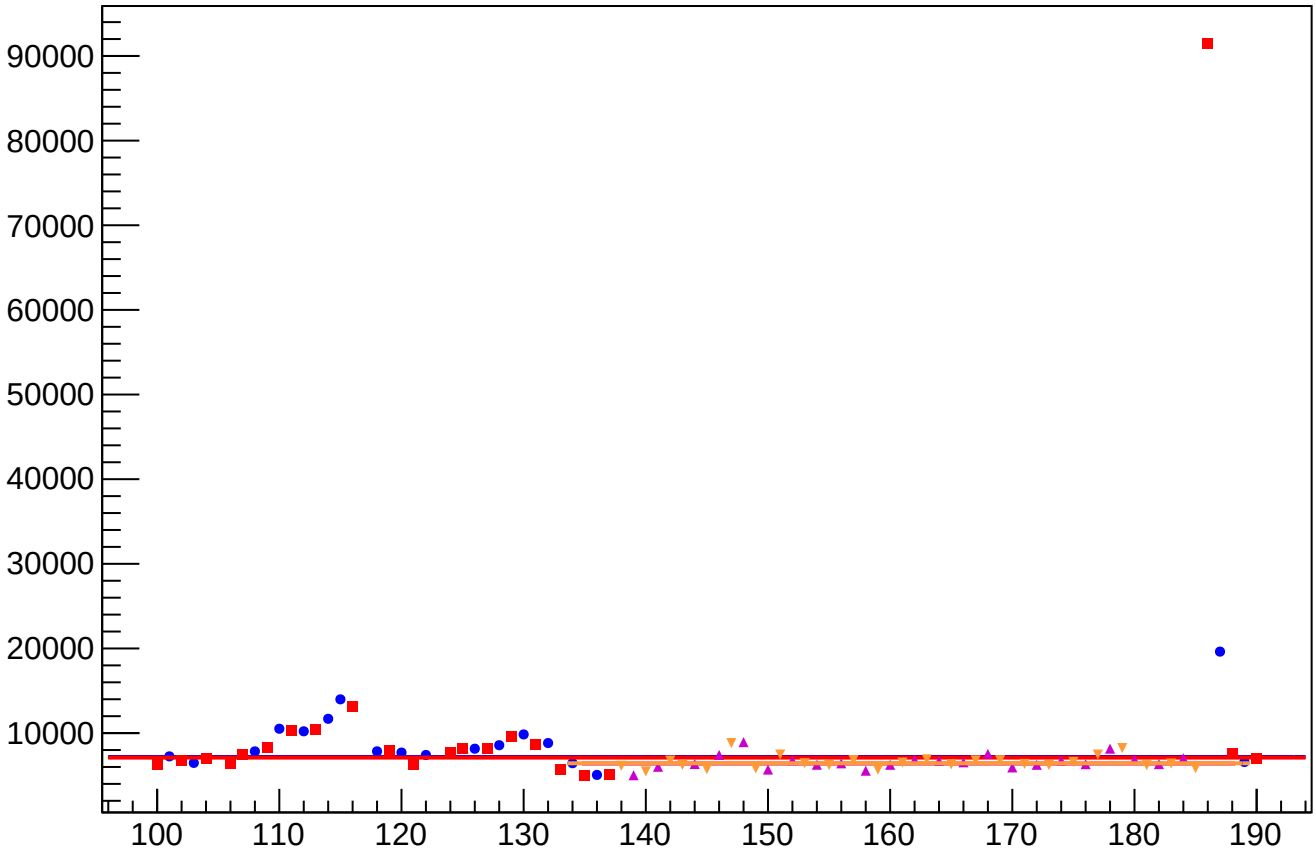
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -3.740+/-1.806 χ^2/NDF: 36.8/39

In: -1.155+/-1.312 χ^2/NDF:46.7/40

Out: 1.142+/-1.268 χ^2/NDF:49.7/46

All: 0.033+/-0.912 χ^2/NDF: 98.0/87



Right In: 7176.425+/-1.867 χ^2/NDF: 912790.7/17

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7106.898+/-1.750 χ^2/NDF: 1452959.1/21

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

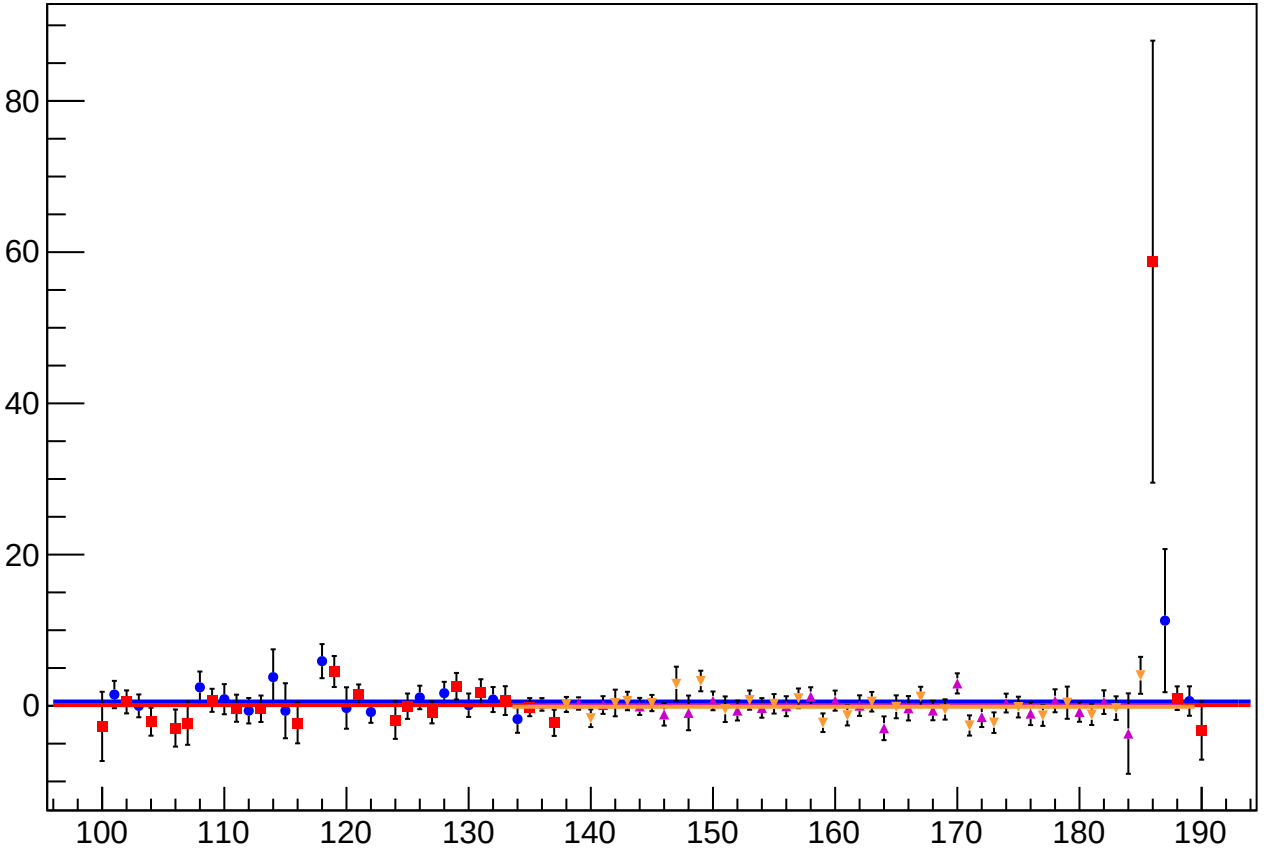
Right: 7139.414+/-1.277 χ^2/NDF: 2366488.0/39

In: 6595.754+/-0.928 χ^2/NDF:1566338.2/40

Out: 6611.592+/-0.896 χ^2/NDF:1978887.5/46

All: 6603.946+/-0.645 χ^2/NDF: 3545376.3/87

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.570+/-0.402 χ^2/NDF: 13.2/17

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.096+/-0.393 χ^2/NDF: 22.0/21

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

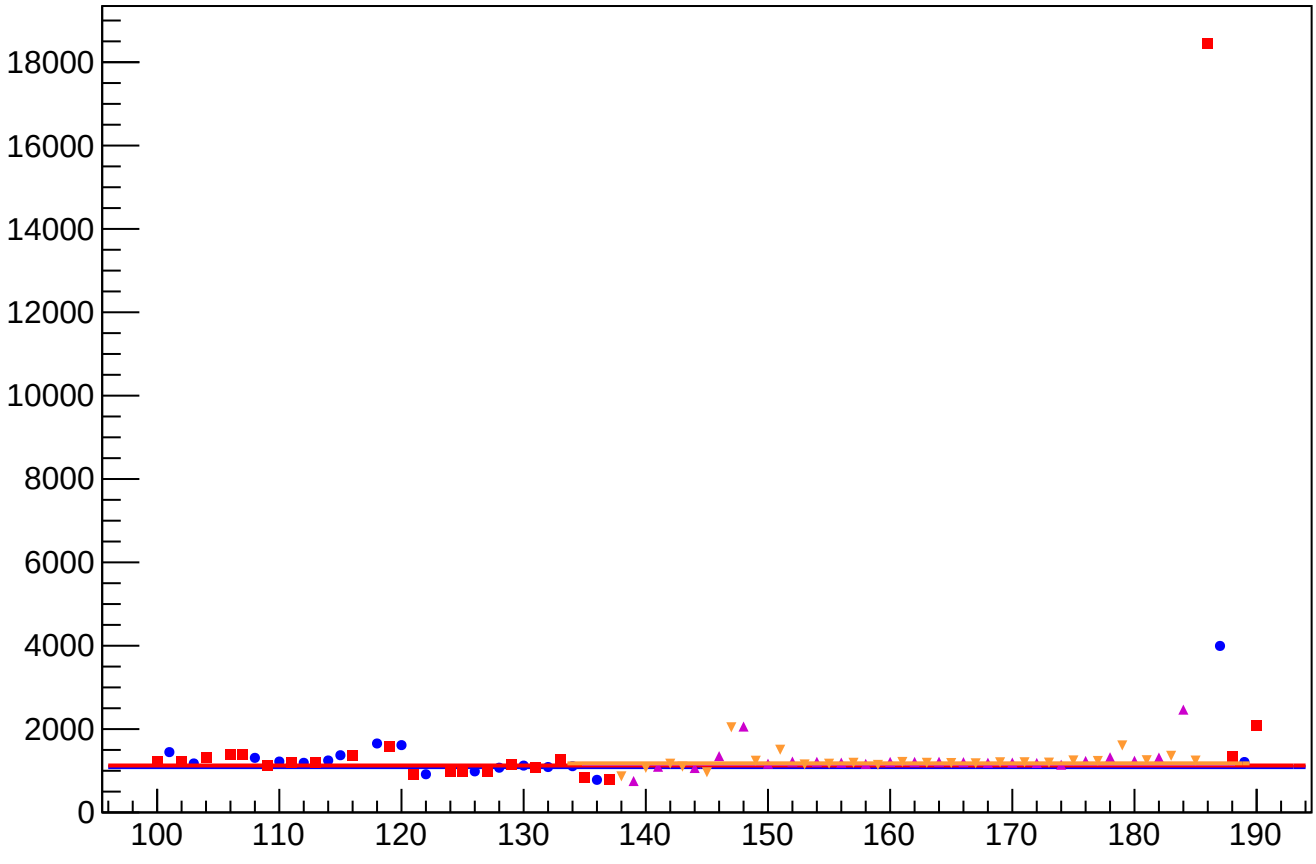
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.328+/-0.281 χ^2/NDF: 35.9/39

In: 0.166+/-0.229 χ^2/NDF:29.2/40

Out: -0.051+/-0.224 χ^2/NDF:49.2/46

All: 0.055+/-0.160 χ^2/NDF: 78.8/87



Right In: 1088.209+/-0.284 χ^2/NDF: 844385.6/17

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1126.622+/-0.278 χ^2/NDF: 1359558.3/21

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

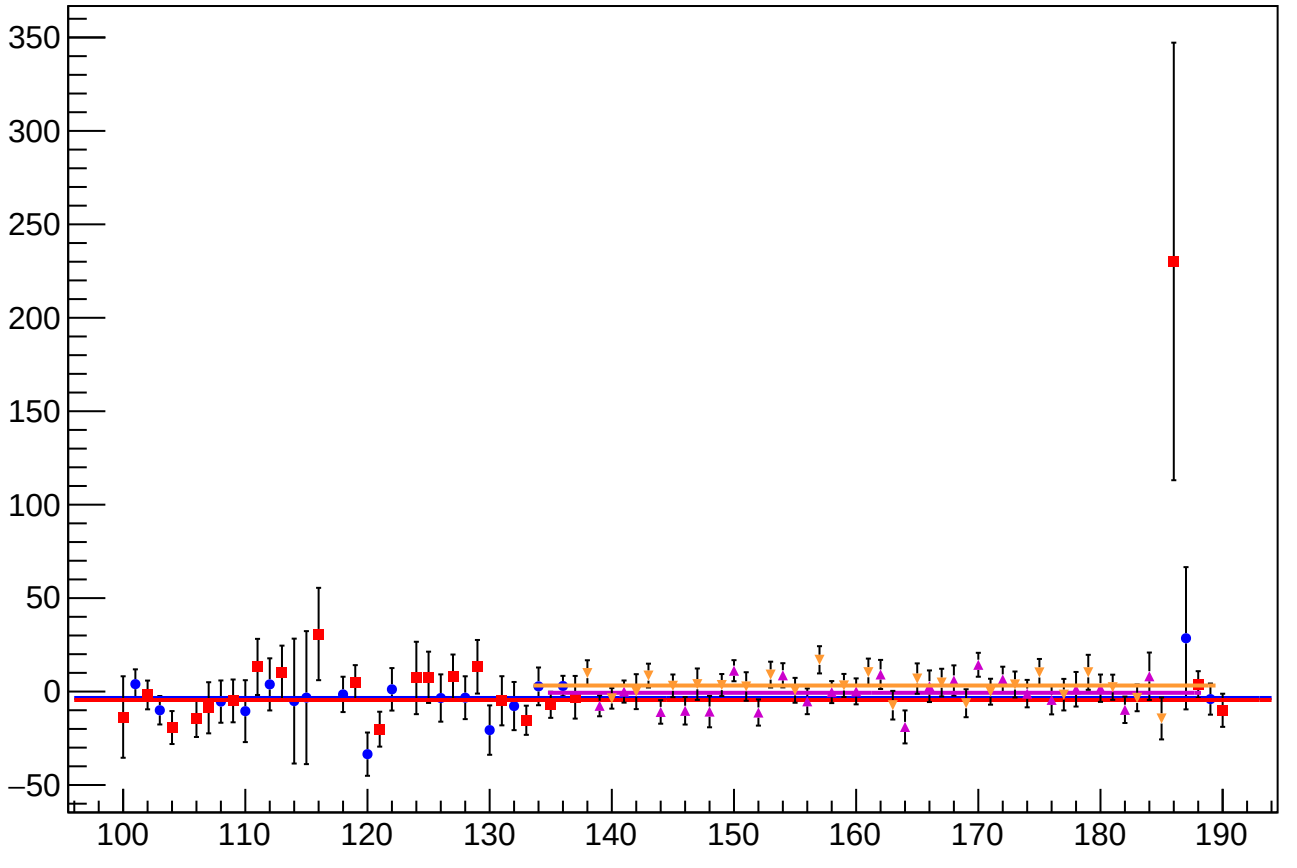
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1107.814+/-0.199 χ^2/NDF: 2213279.9/39

In: 1139.266+/-0.162 χ^2/NDF:1944455.9/40

Out: 1161.096+/-0.159 χ^2/NDF:2183230.6/46

All: 1150.394+/-0.113 χ^2/NDF: 4136957.5/87



Right In: -3.435+/-2.484 χ^2/NDF: 13.3/17

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -4.516+/-2.288 χ^2/NDF: 24.0/21

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

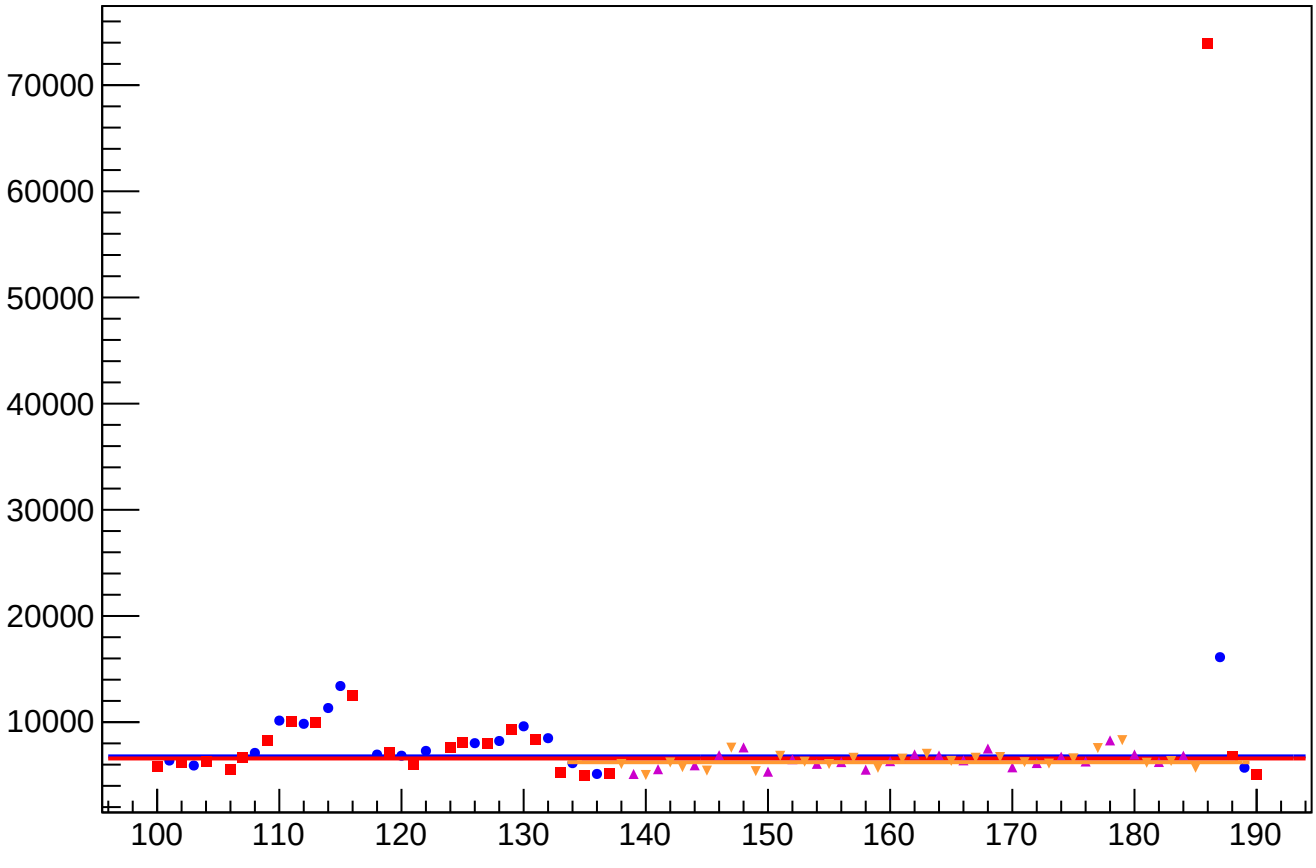
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -4.020+/-1.683 χ^2/NDF: 37.4/39

In: -1.388+/-1.267 χ^2/NDF:46.6/40

Out: 1.058+/-1.212 χ^2/NDF:50.1/46

All: -0.110+/-0.876 χ^2/NDF: 98.7/87



Right In: 6773.956+/-1.756 χ^2/NDF: 847051.4/17

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6580.017+/-1.618 χ^2/NDF: 1508346.9/21

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

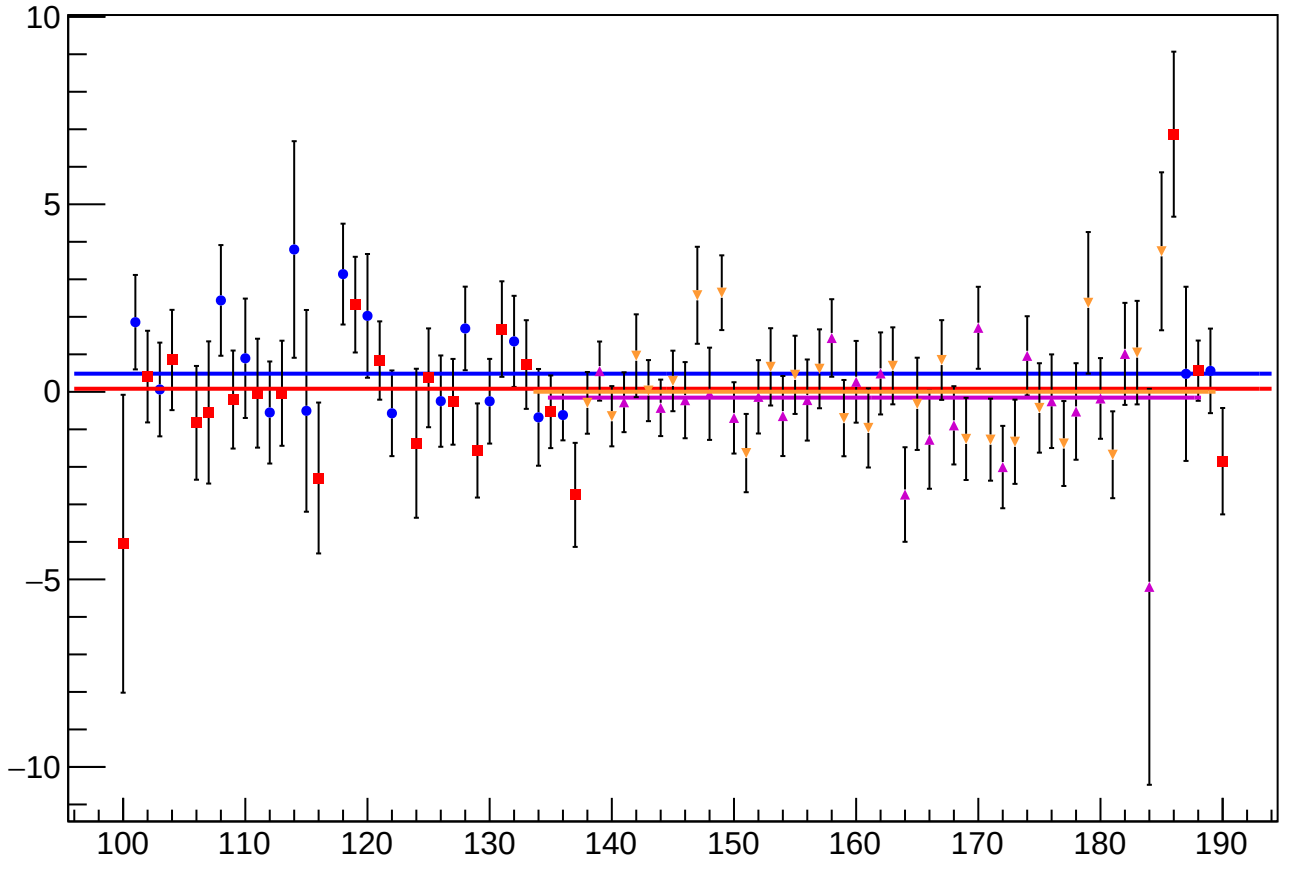
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 6669.046+/-1.190 χ^2/NDF: 2361994.3/39

In: 6384.056+/-0.896 χ^2/NDF:1398667.1/40

Out: 6327.305+/-0.857 χ^2/NDF:2013119.2/46

All: 6354.422+/-0.619 χ^2/NDF: 3413880.2/87



Right In: 0.484+/-0.297 χ^2/NDF: 16.7/17

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.083+/-0.280 χ^2/NDF: 27.6/21

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

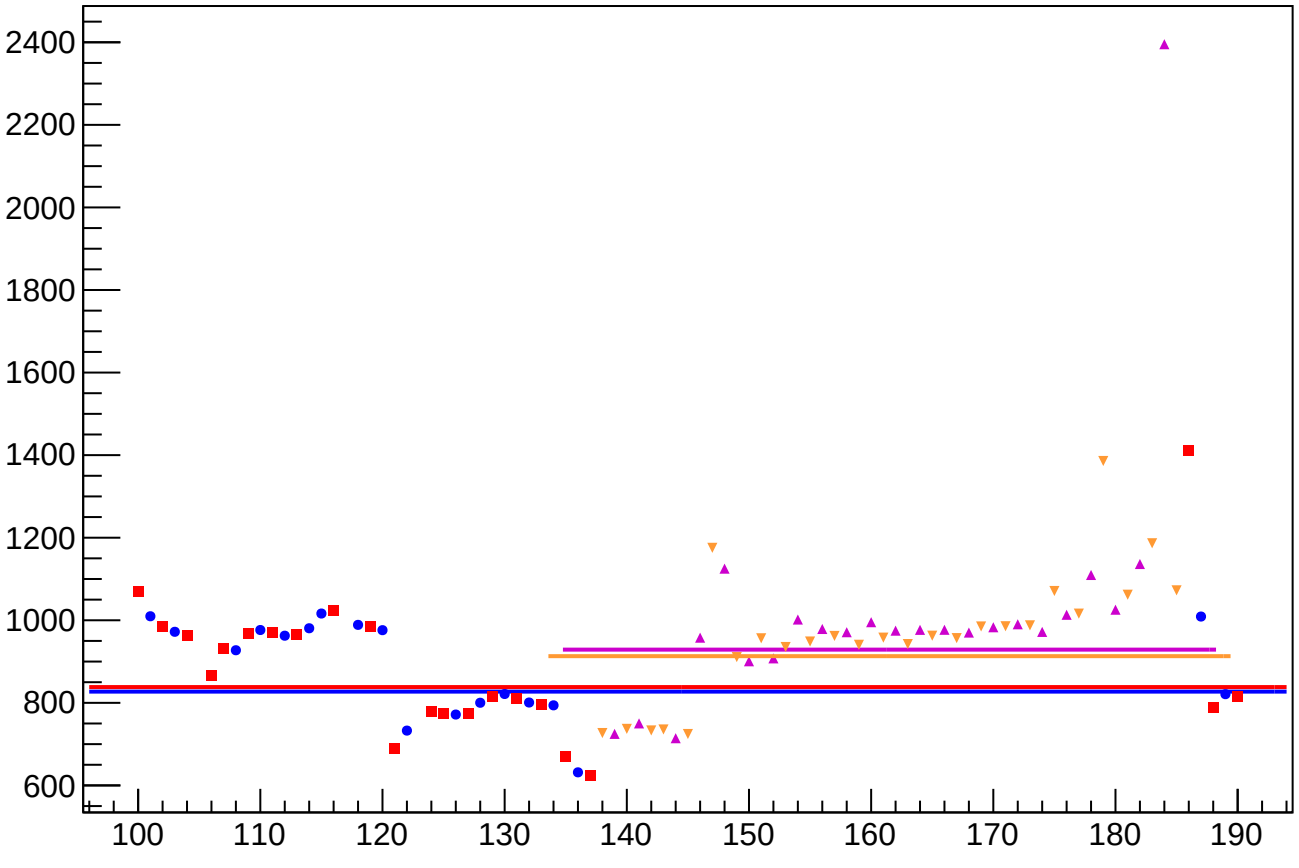
Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

Right: 0.272+/-0.204 χ^2/NDF: 45.3/39

In: 0.073+/-0.177 χ^2/NDF:38.1/40

Out: 0.032+/-0.169 χ^2/NDF:59.3/46

All: 0.052+/-0.122 χ^2/NDF: 97.4/87



Right In: 827.218+/-0.210 χ^2/NDF: 377948.8/17

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 838.206+/-0.198 χ^2/NDF: 463728.1/21

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

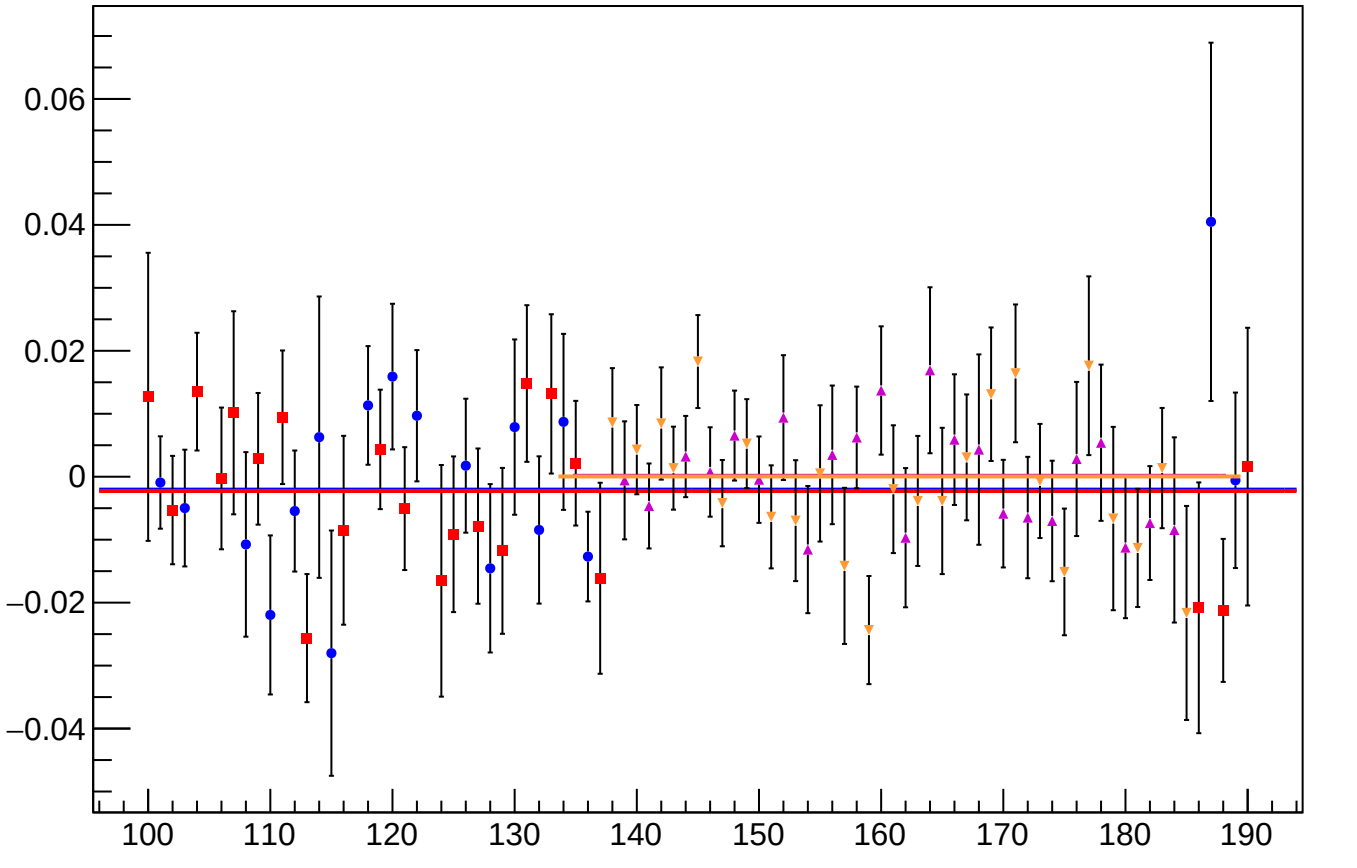
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 833.039+/-0.144 χ^2/NDF: 843125.4/39

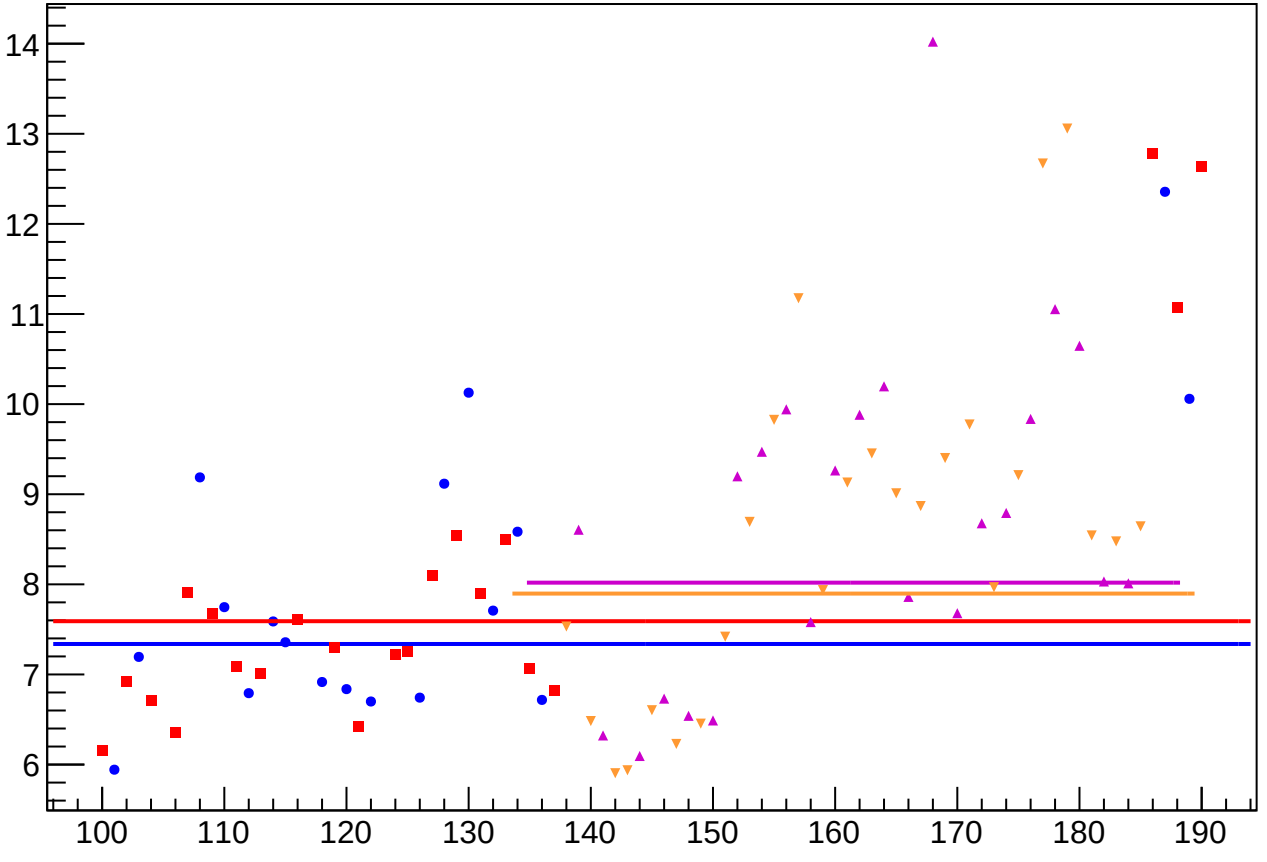
In: 892.680+/-0.125 χ^2/NDF:1297804.5/40

Out: 885.800+/-0.119 χ^2/NDF:1443845.2/46

All: 889.073+/-0.087 χ^2/NDF: 2743227.4/87


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: -0.002+/-0.003 χ²/NDF: 17.6/17
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.002+/-0.003 χ²/NDF: 21.2/21
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.002+/-0.002 χ²/NDF: 38.8/39
In: -0.001+/-0.002 χ²/NDF:30.8/40
Out: -0.001+/-0.001 χ²/NDF:52.9/46
All: -0.001+/-0.001 χ²/NDF: 83.7/87

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.338+/-0.002 χ^2/NDF: 422060.2/17

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 7.591+/-0.002 χ^2/NDF: 570450.9/21

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

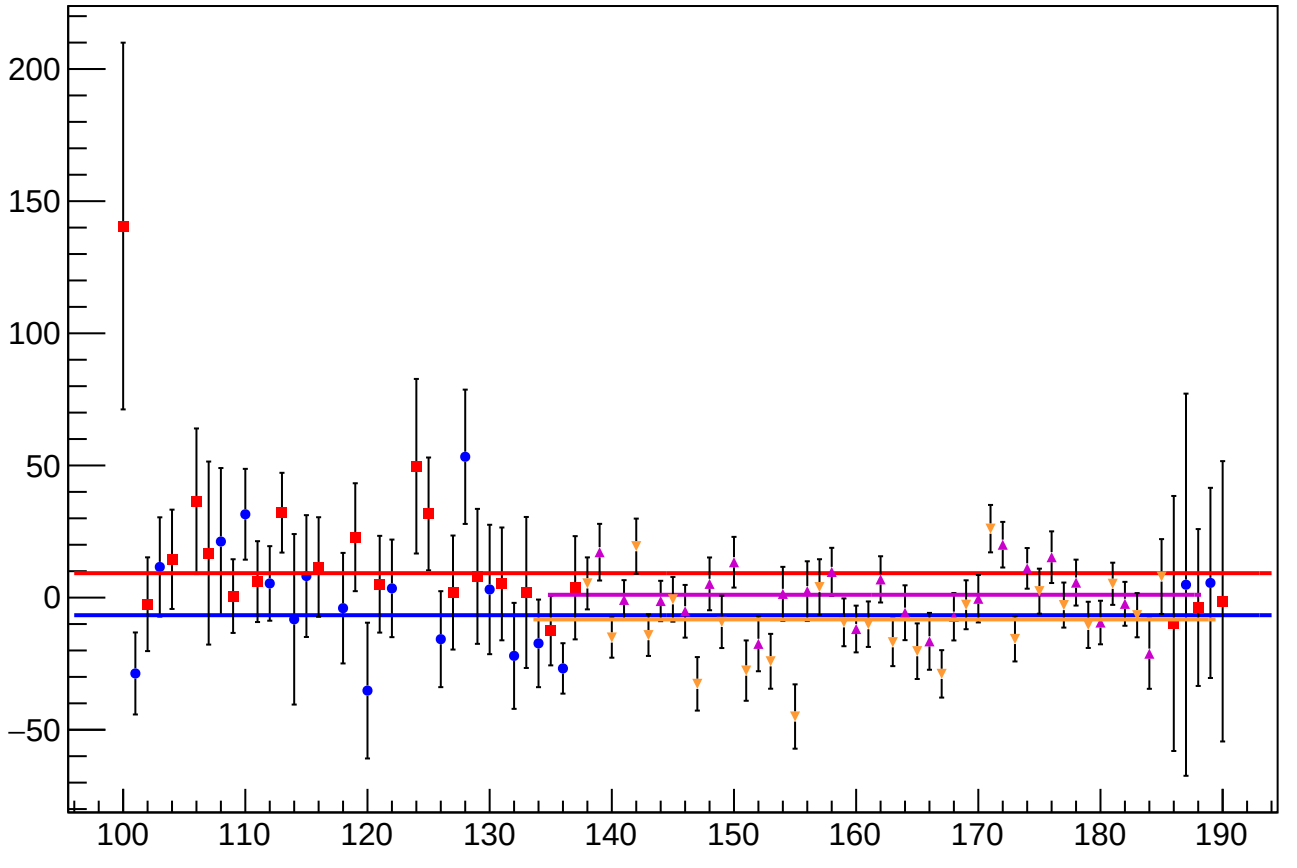
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 7.469+/-0.001 χ^2/NDF: 1001977.9/39

In: 7.785+/-0.001 χ^2/NDF:1964509.6/40

Out: 7.792+/-0.001 χ^2/NDF:2180288.0/46

All: 7.789+/-0.001 χ^2/NDF: 4144822.3/87



Right In: -6.656+/-4.445 χ^2/NDF: 23.2/17

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 9.245+/-4.431 χ^2/NDF: 14.4/21

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

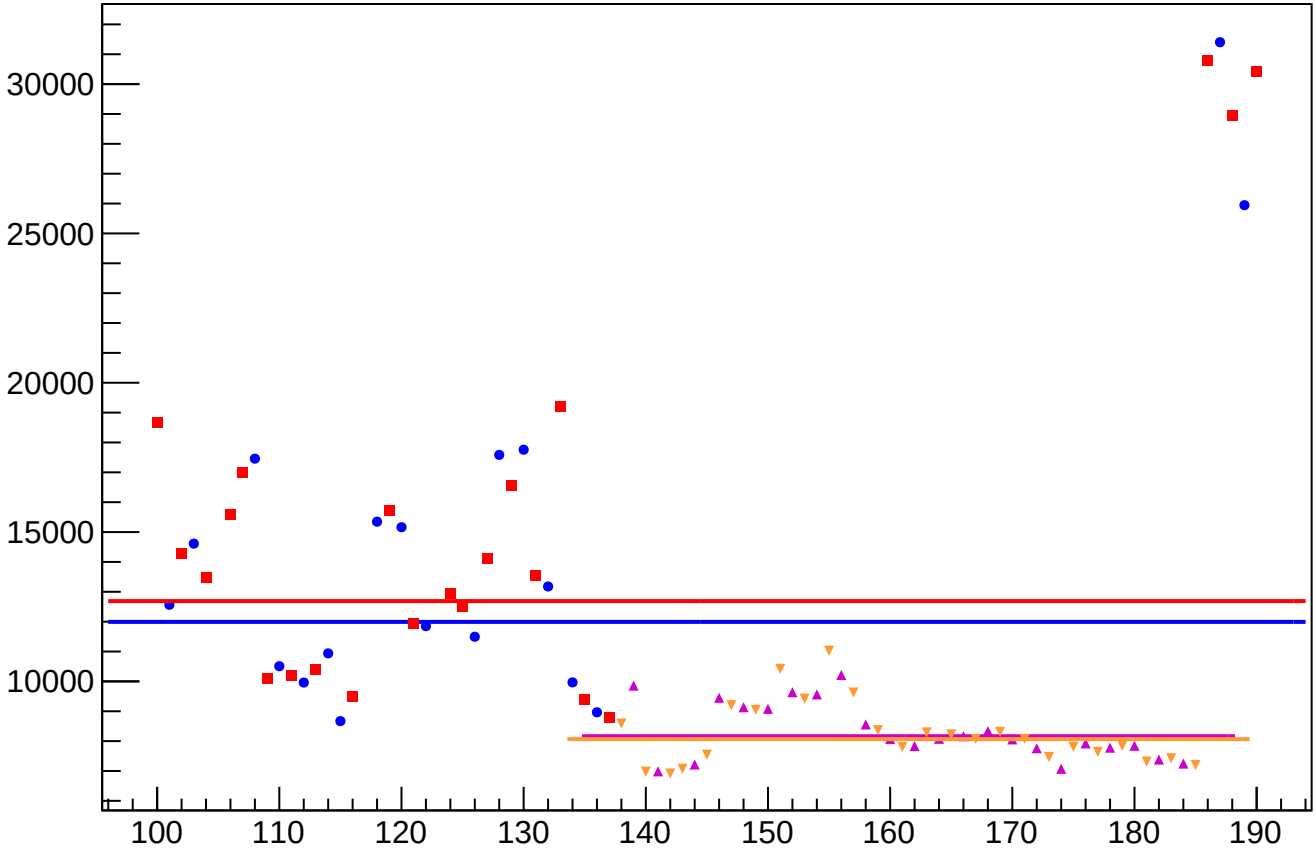
Right: 1.320+/-3.138 χ^2/NDF: 44.0/39

In: -0.144+/-1.763 χ^2/NDF:54.6/40

Out: -5.660+/-1.707 χ^2/NDF:89.8/46

All: -2.992+/-1.226 χ^2/NDF: 149.4/87

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11992.643+/-3.143 χ^2/NDF: 1193720.2/17

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 12688.431+/-3.133 χ^2/NDF: 1834002.2/21

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

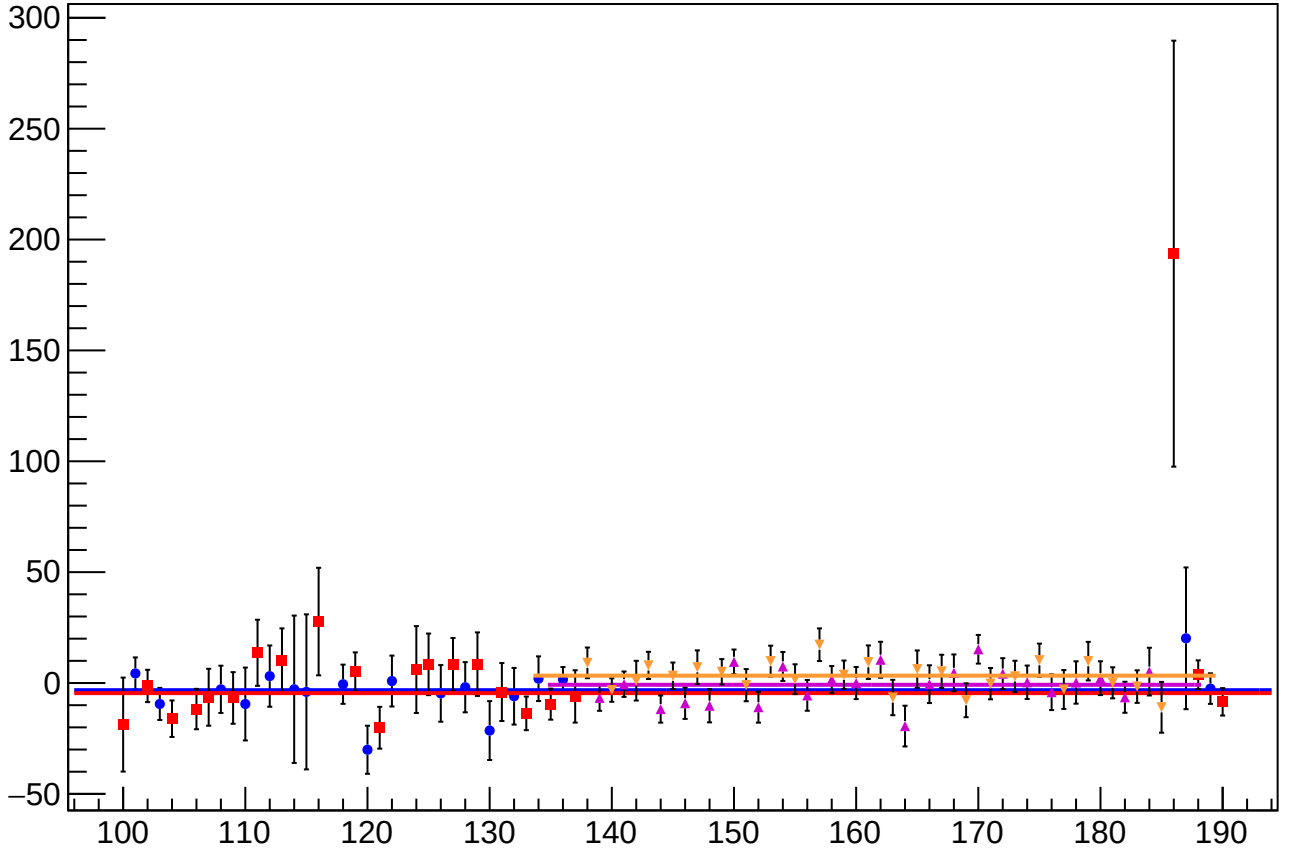
Right: 12341.635+/-2.219 χ^2/NDF: 3052298.0/39

In: 8765.920+/-1.247 χ^2/NDF:2876553.0/40

Out: 8752.301+/-1.207 χ^2/NDF:4184935.7/46

All: 8758.889+/-0.867 χ^2/NDF: 7061550.3/87

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: -3.238+/-2.385 χ^2/NDF: 12.0/17

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -4.554+/-2.145 χ^2/NDF: 23.0/21

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

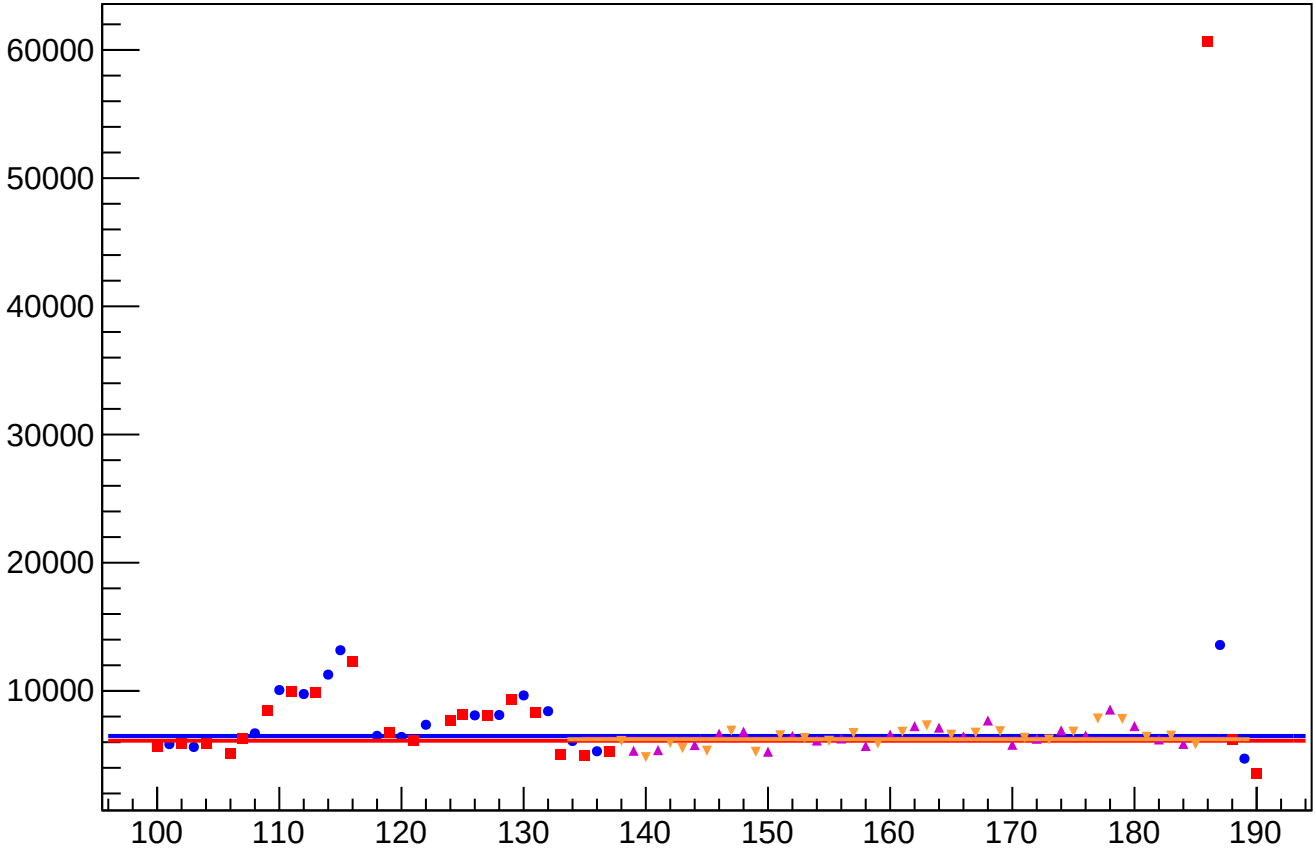
Right: -3.965+/-1.595 χ^2/NDF: 35.2/39

In: -1.474+/-1.257 χ^2/NDF:42.2/40

Out: 0.903+/-1.190 χ^2/NDF:49.3/46

All: -0.221+/-0.864 χ^2/NDF: 93.4/87

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6486.451+/-1.686 χ^2/NDF: 934280.4/17

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6118.342+/-1.517 χ^2/NDF: 1874697.1/21

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

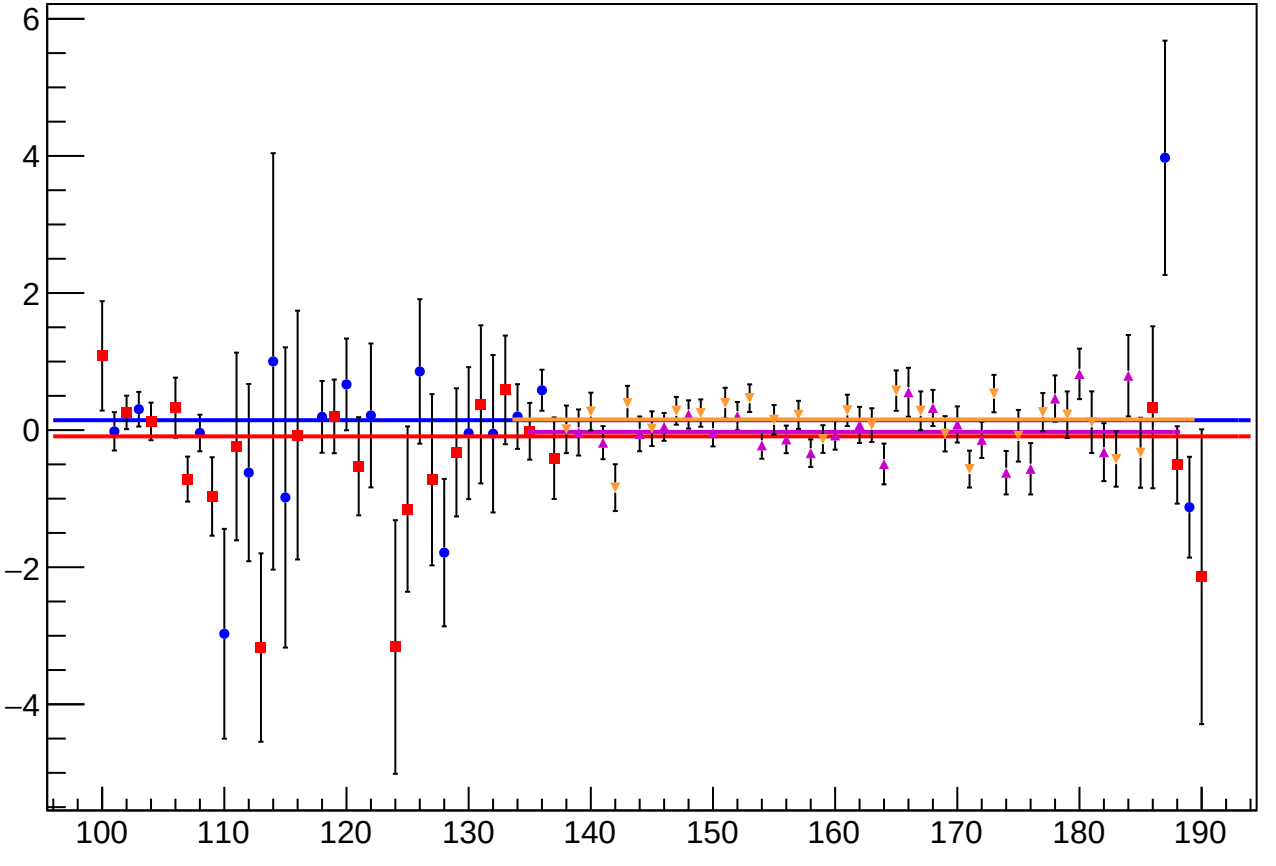
Right: 6283.000+/-1.128 χ^2/NDF: 2835314.6/39

In: 6330.707+/-0.889 χ^2/NDF:1450813.3/40

Out: 6196.282+/-0.842 χ^2/NDF:2411089.6/46

All: 6259.846+/-0.611 χ^2/NDF: 3873966.4/87

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.145+/-0.118 χ^2/NDF: 20.6/17

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.091+/-0.116 χ^2/NDF: 24.1/21

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

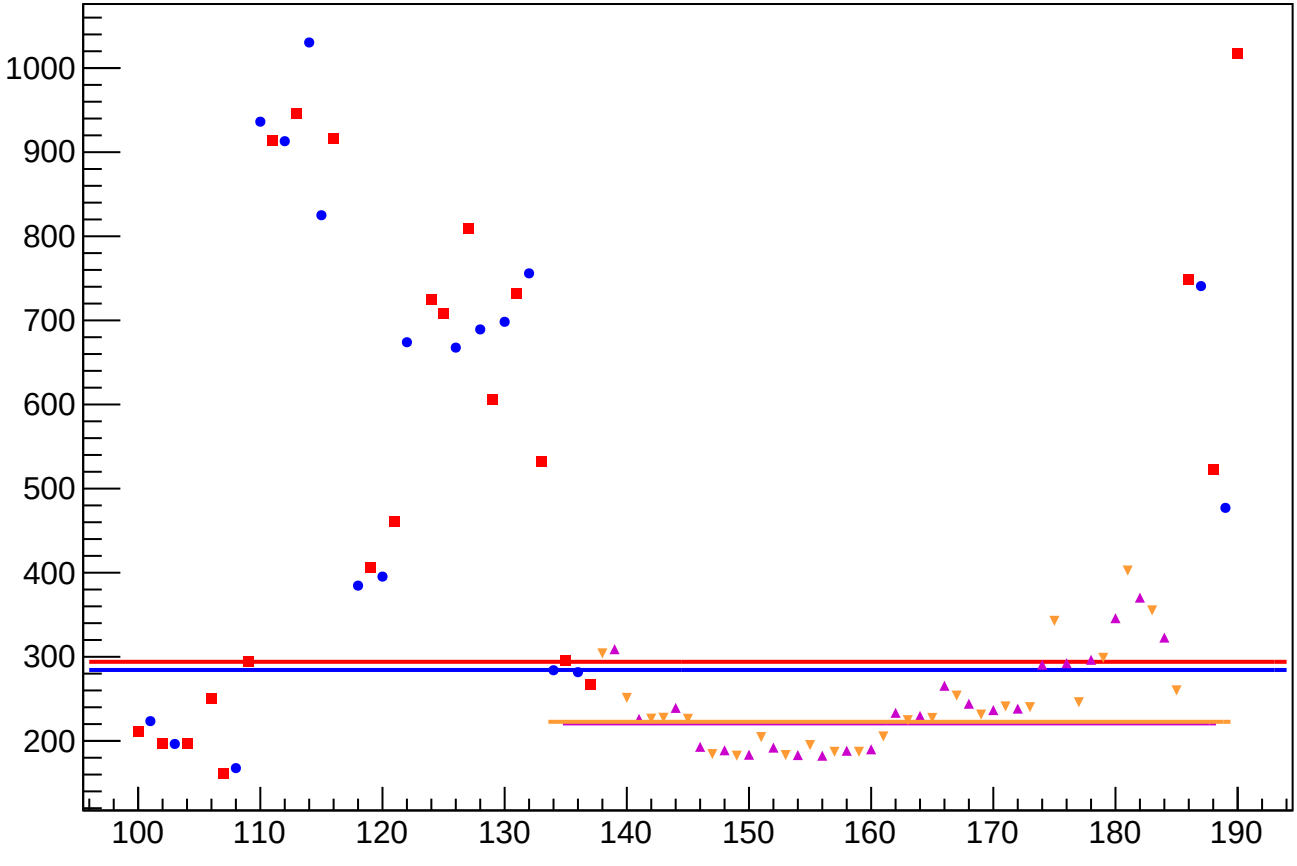
Right: 0.025+/-0.083 χ^2/NDF: 46.7/39

In: 0.002+/-0.048 χ^2/NDF:52.1/40

Out: 0.115+/-0.047 χ^2/NDF:60.1/46

All: 0.060+/-0.034 χ^2/NDF: 115.0/87

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 284.351+/-0.083 χ^2/NDF: 3738187.2/17

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 294.053+/-0.082 χ^2/NDF: 4462929.7/21

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

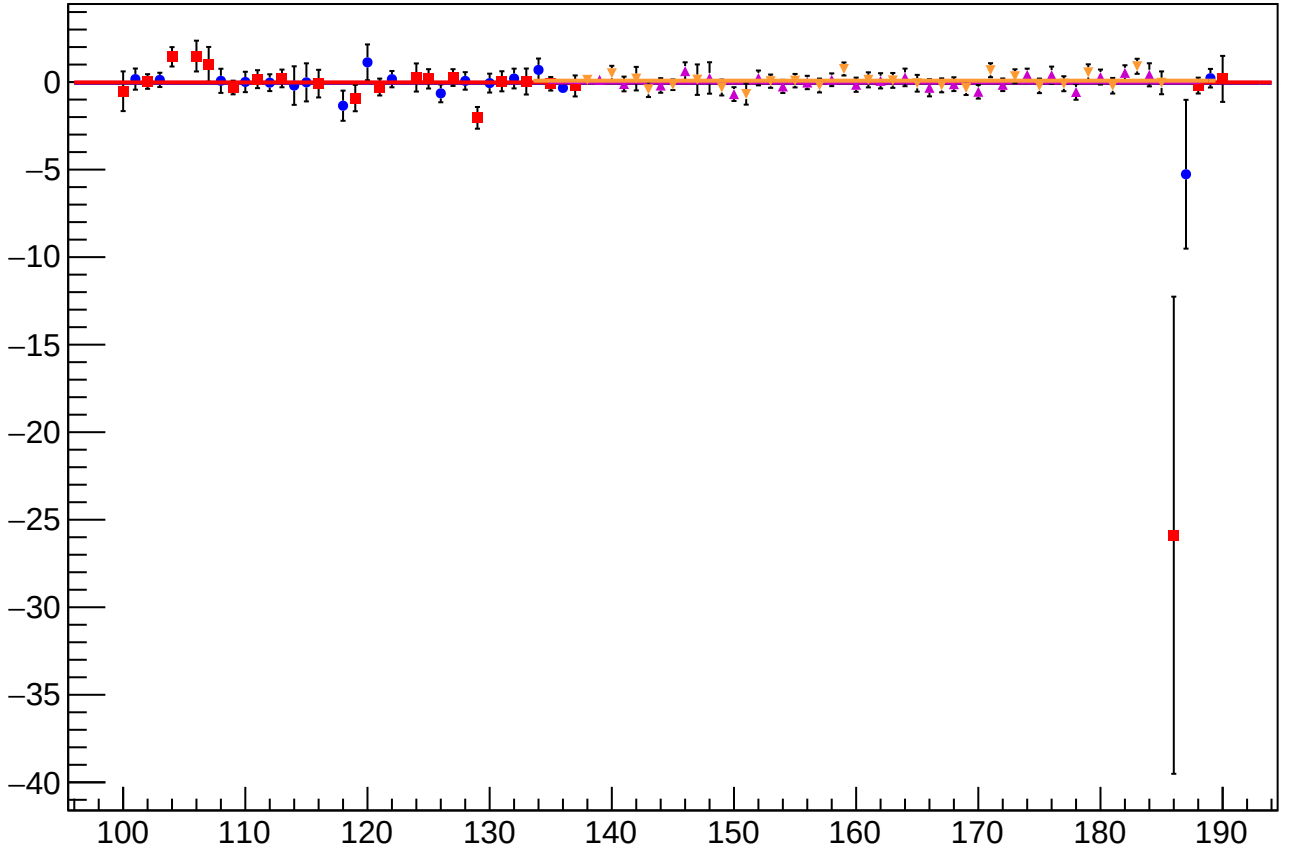
Right: 289.260+/-0.059 χ^2/NDF: 8207987.5/39

In: 231.497+/-0.034 χ^2/NDF:5694173.5/40

Out: 234.568+/-0.034 χ^2/NDF:6541110.3/46

All: 233.061+/-0.024 χ^2/NDF: 12239399.4/87

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.046+/-0.130 χ^2/NDF: 9.9/17

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.021+/-0.123 χ^2/NDF: 29.0/21

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

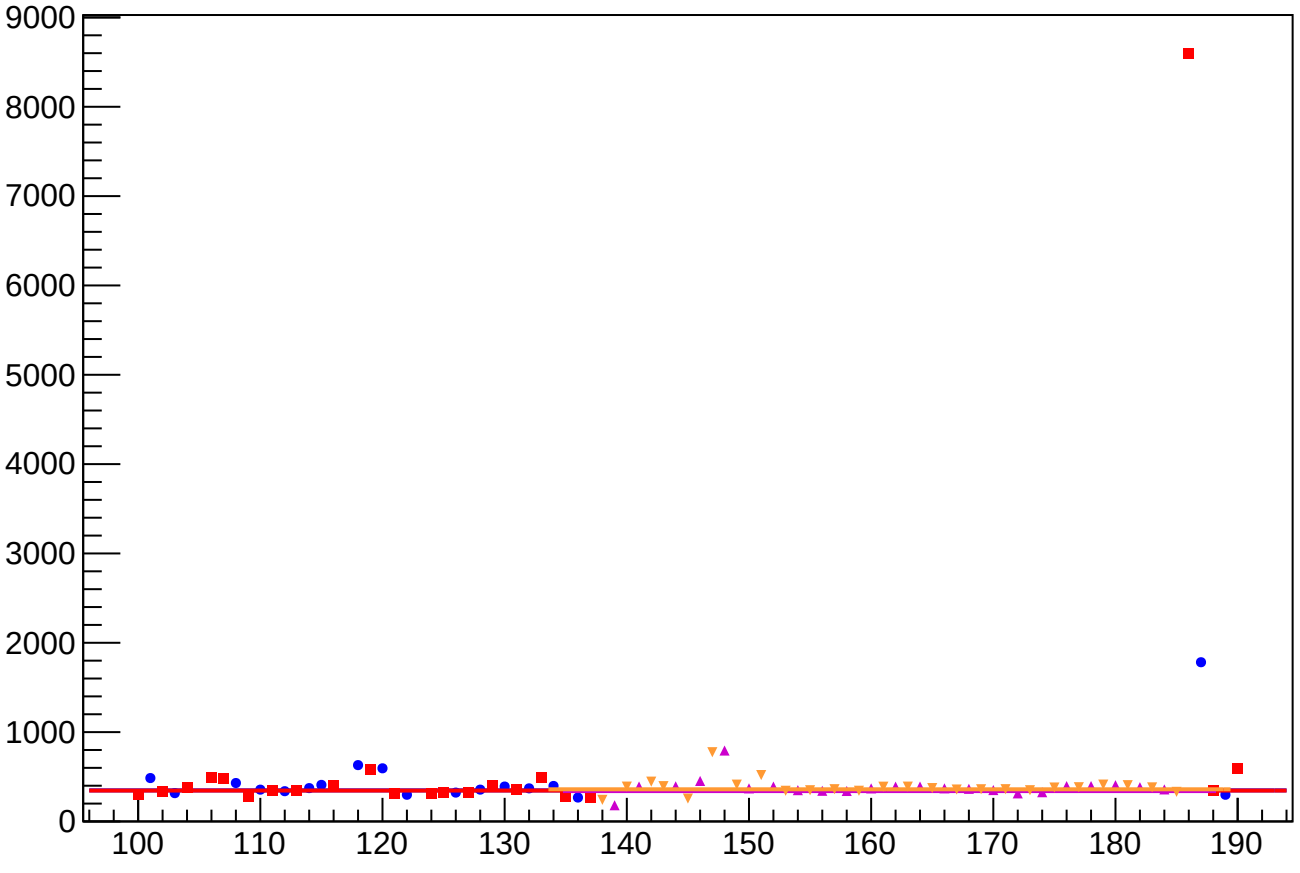
Right: -0.033+/-0.089 χ^2/NDF: 38.9/39

In: -0.007+/-0.070 χ^2/NDF:25.2/40

Out: 0.048+/-0.070 χ^2/NDF:48.4/46

All: 0.020+/-0.049 χ^2/NDF: 73.9/87

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 347.871+/-0.092 χ^2/NDF: 944525.1/17

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 345.927+/-0.087 χ^2/NDF: 1383490.6/21

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

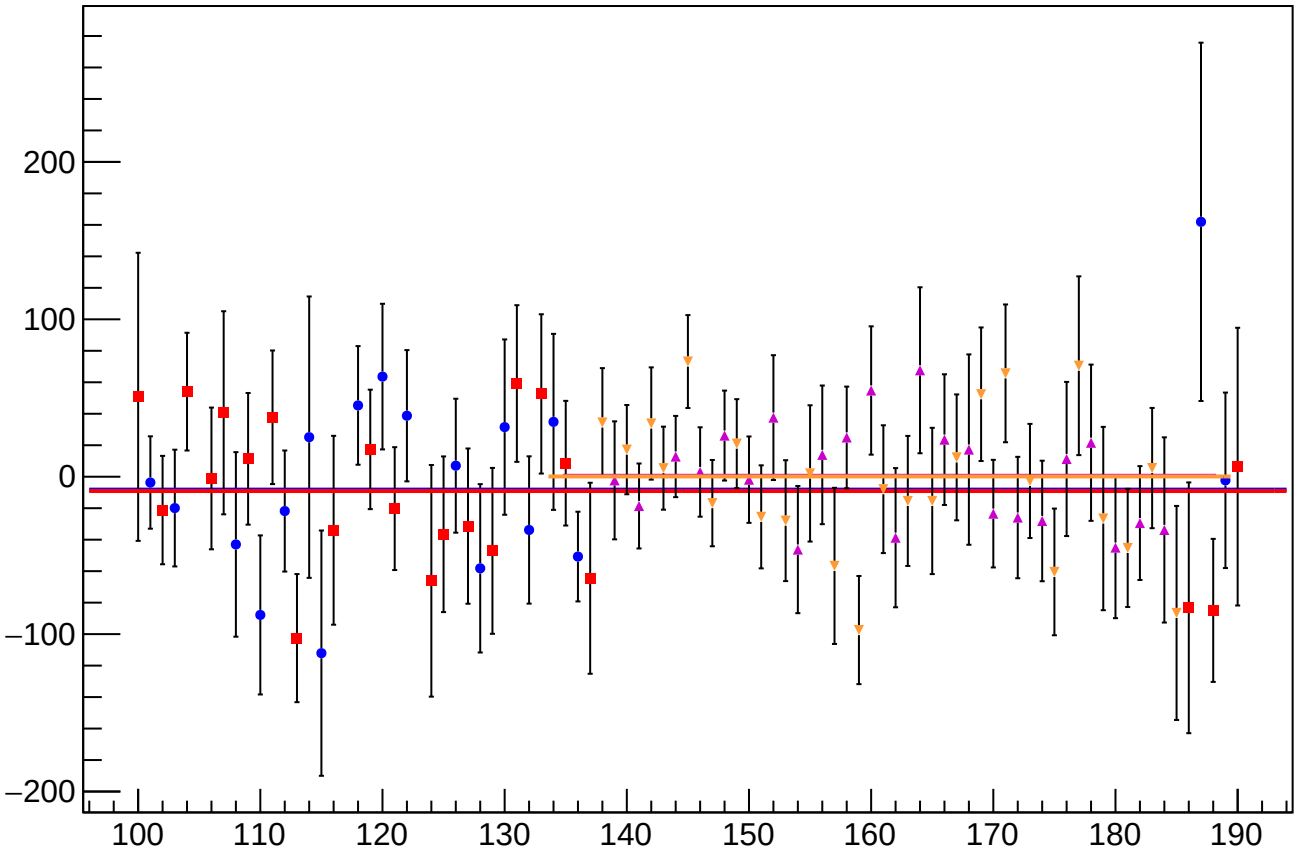
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 346.851+/-0.063 χ^2/NDF: 2328251.5/39

In: 342.294+/-0.049 χ^2/NDF:3174826.4/40

Out: 355.539+/-0.049 χ^2/NDF:2741017.5/46

All: 348.933+/-0.035 χ^2/NDF: 5951941.4/87



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.069+/-10.201 χ^2/NDF: 21.2/21

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

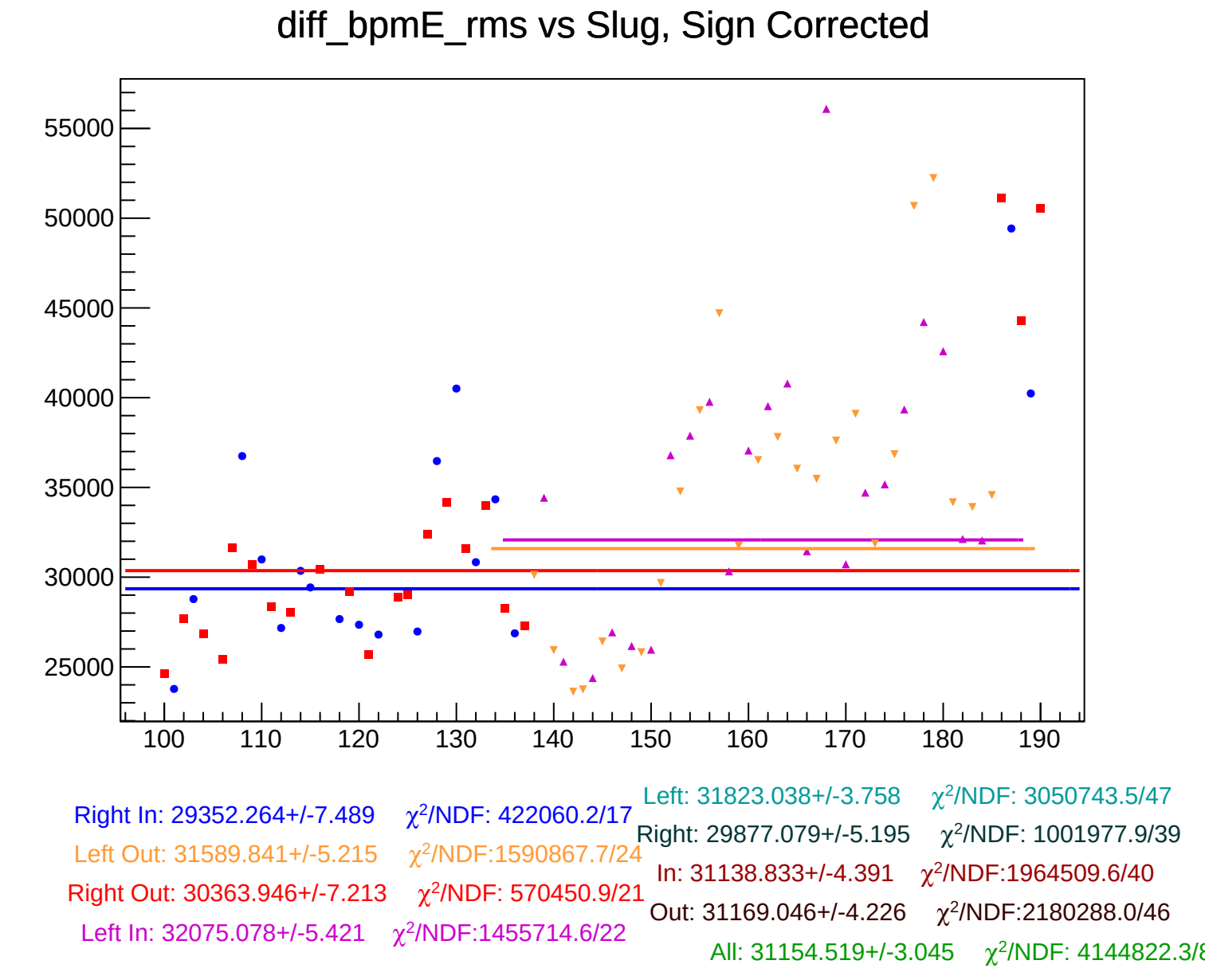
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

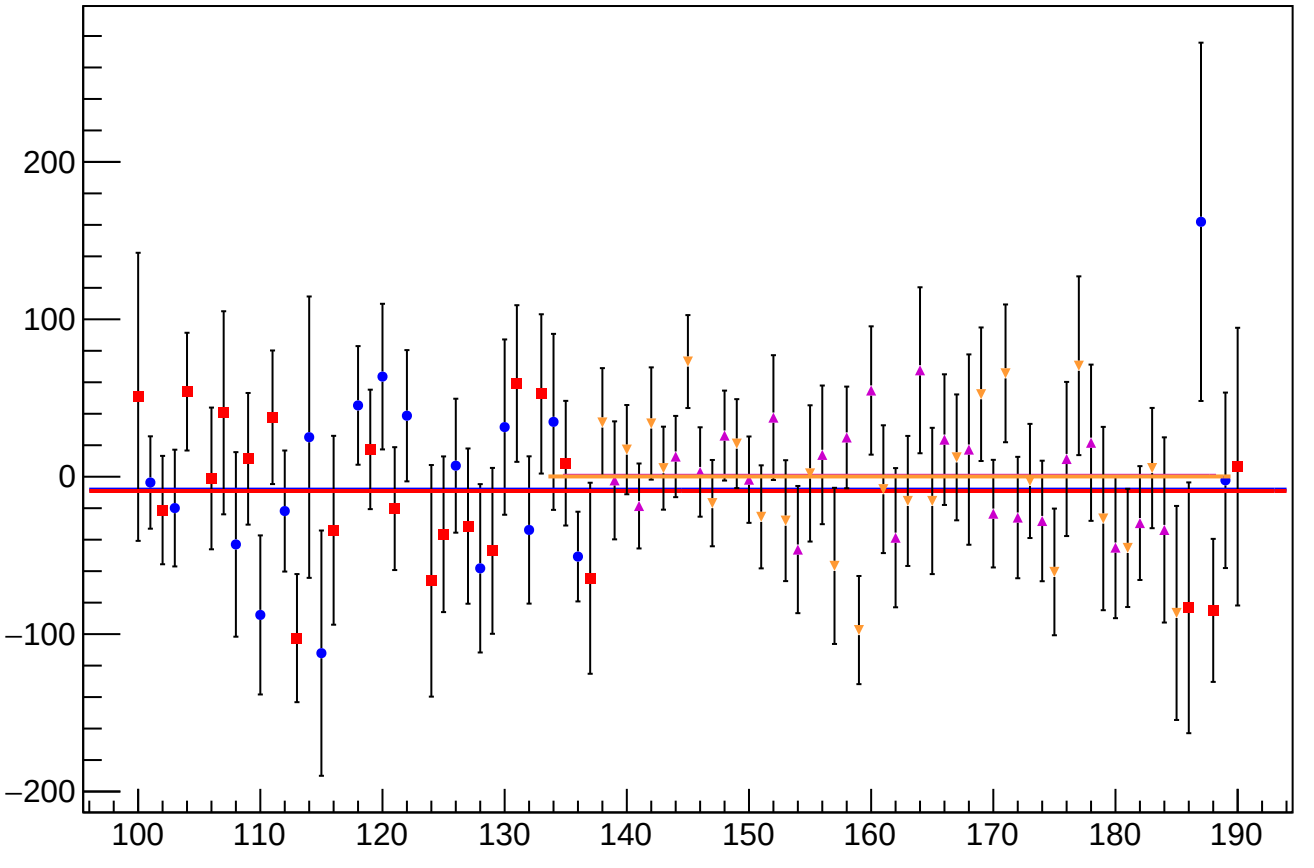
Right: -8.652+/-7.347 χ^2/NDF: 38.8/39

In: -2.436+/-6.210 χ^2/NDF:30.8/40

Out: -3.003+/-5.977 χ^2/NDF:52.9/46

All: -2.730+/-4.306 χ^2/NDF: 83.7/87


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30363.946+/-7.213 χ²/NDF: 570450.9/21
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29877.079+/-5.195 χ²/NDF: 1001977.9/39
In: 31138.833+/-4.391 χ²/NDF:1964509.6/40
Out: 31169.046+/-4.226 χ²/NDF:2180288.0/46
All: 31154.519+/-3.045 χ²/NDF: 4144822.3/8



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.069+/-10.201 χ^2/NDF: 21.2/21

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

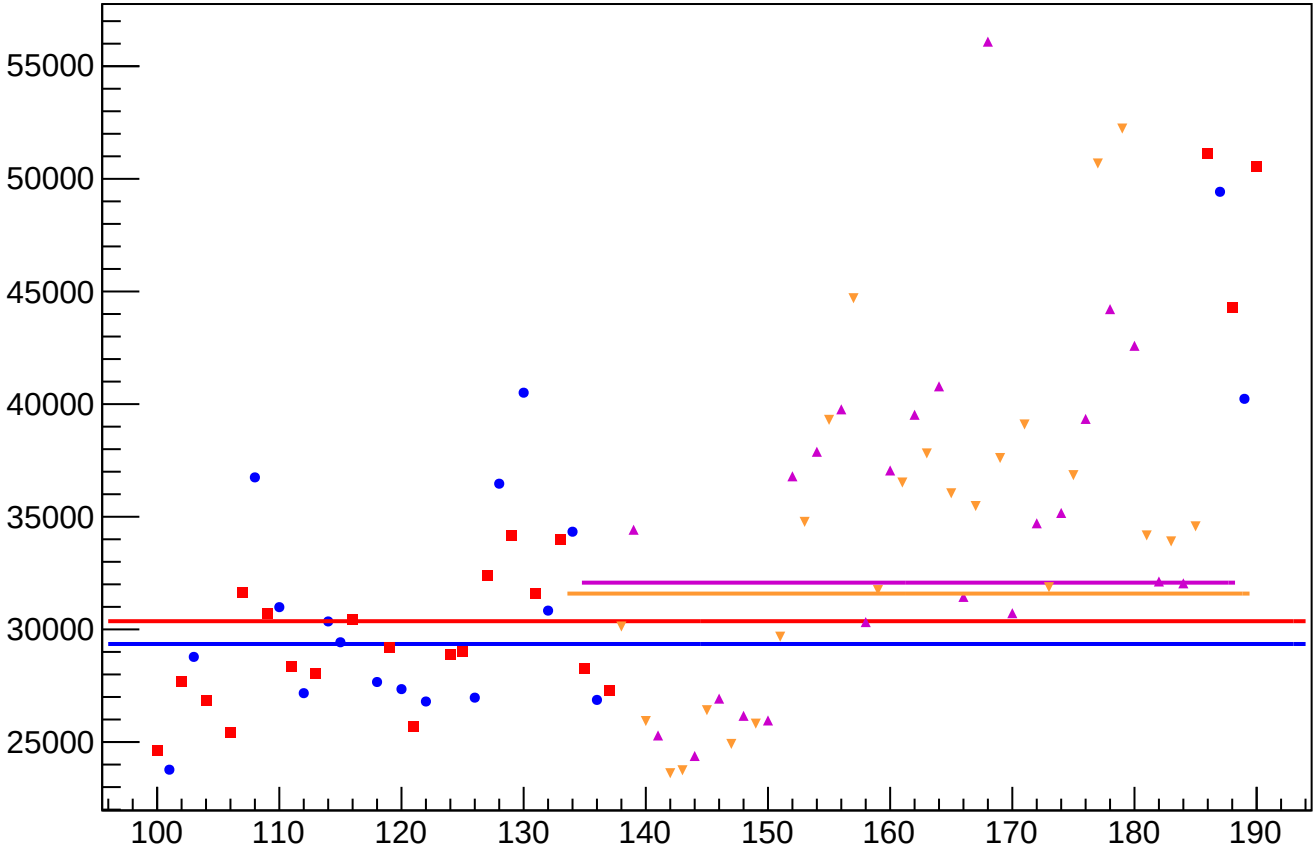
Right: -8.652+/-7.347 χ^2/NDF: 38.8/39

In: -2.436+/-6.210 χ^2/NDF:30.8/40

Out: -3.003+/-5.977 χ^2/NDF:52.9/46

All: -2.730+/-4.306 χ^2/NDF: 83.7/87

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 29352.264+/-7.489 χ^2/NDF: 422060.2/17

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 30363.946+/-7.213 χ^2/NDF: 570450.9/21

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

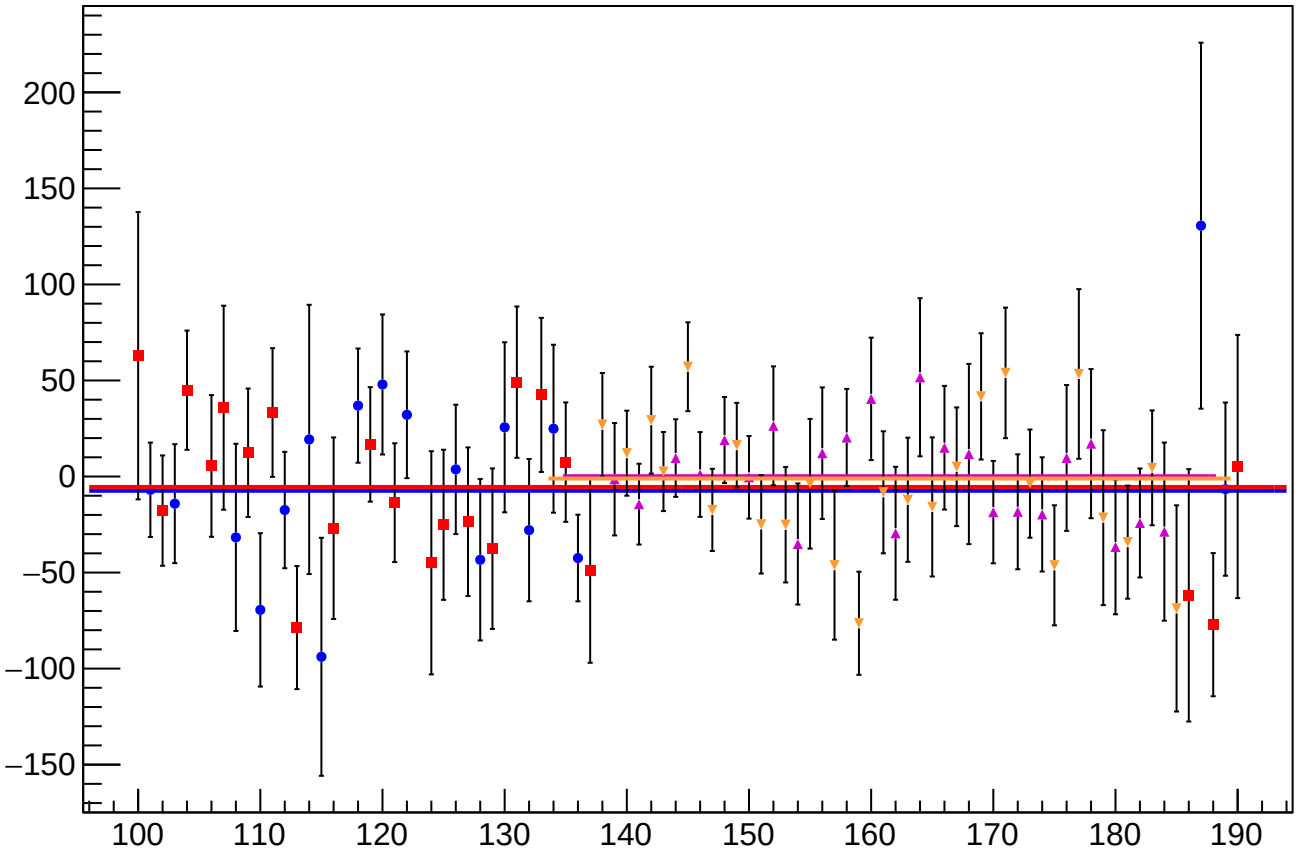
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

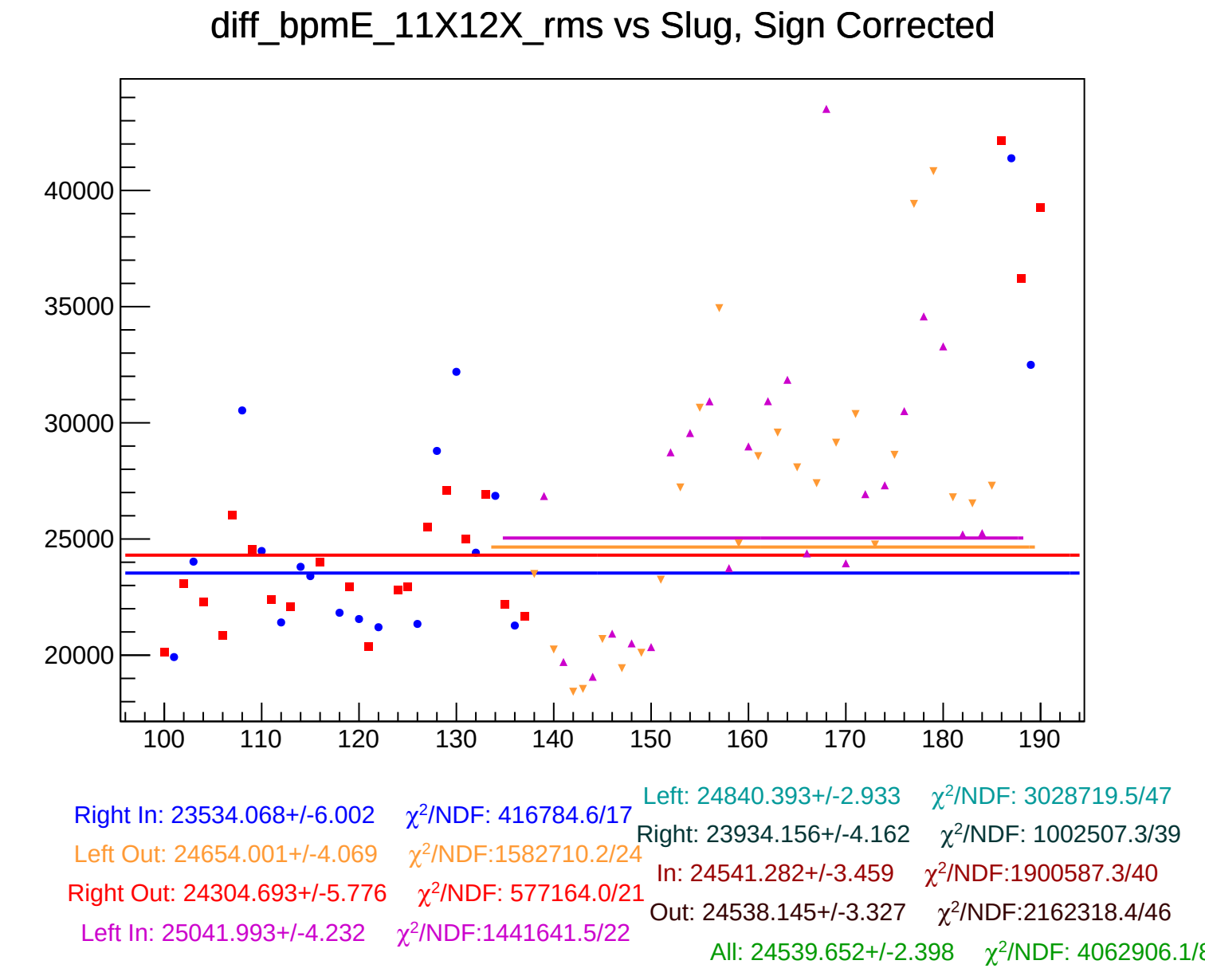
Right: 29877.079+/-5.195 χ^2/NDF: 1001977.9/39

In: 31138.833+/-4.391 χ^2/NDF:1964509.6/40

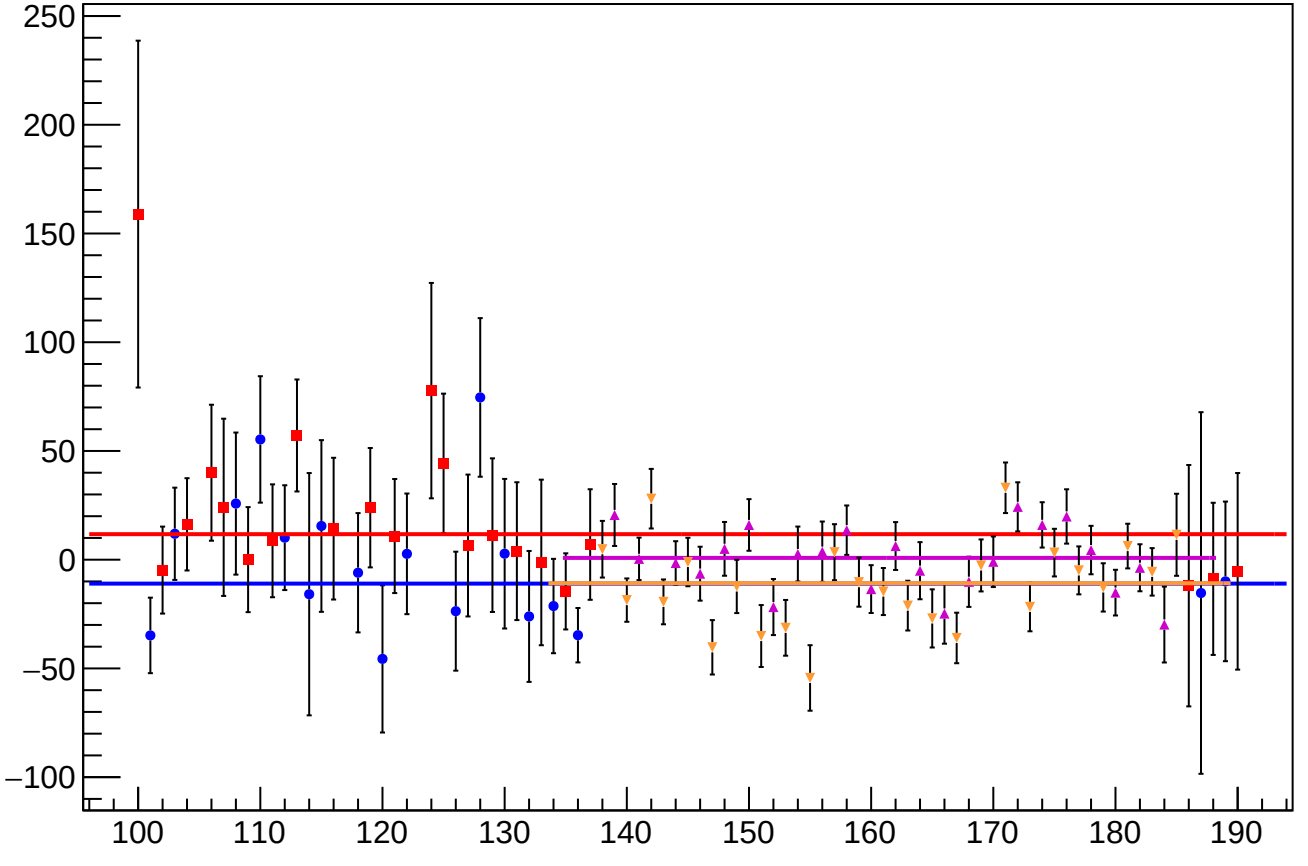
Out: 31169.046+/-4.226 χ^2/NDF:2180288.0/46

All: 31154.519+/-3.045 χ^2/NDF: 4144822.3/8


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -7.422+/-8.488 χ²/NDF: 17.6/17
Left Out: -1.042+/-5.755 χ²/NDF:32.3/24
Right Out: -5.422+/-8.169 χ²/NDF: 22.3/21
Left In: 0.147+/-5.985 χ²/NDF:12.1/22
Left: -0.471+/-4.148 χ²/NDF: 44.5/47
Right: -6.384+/-5.886 χ²/NDF: 40.0/39
In: -2.367+/-4.891 χ²/NDF:30.3/40
Out: -2.495+/-4.704 χ²/NDF:54.9/46
All: -2.433+/-3.391 χ²/NDF: 85.1/87


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
190
Right In: 23534.068+/-6.002 χ²/NDF: 416784.6/17
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 24304.693+/-5.776 χ²/NDF: 577164.0/21
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 23934.156+/-4.162 χ²/NDF: 1002507.3/39
In: 24541.282+/-3.459 χ²/NDF:1900587.3/40
Out: 24538.145+/-3.327 χ²/NDF:2162318.4/46
All: 24539.652+/-2.398 χ²/NDF: 4062906.1/8

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -10.997+/-6.054 χ^2/NDF: 22.0/17

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 11.733+/-6.180 χ^2/NDF: 14.6/21

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

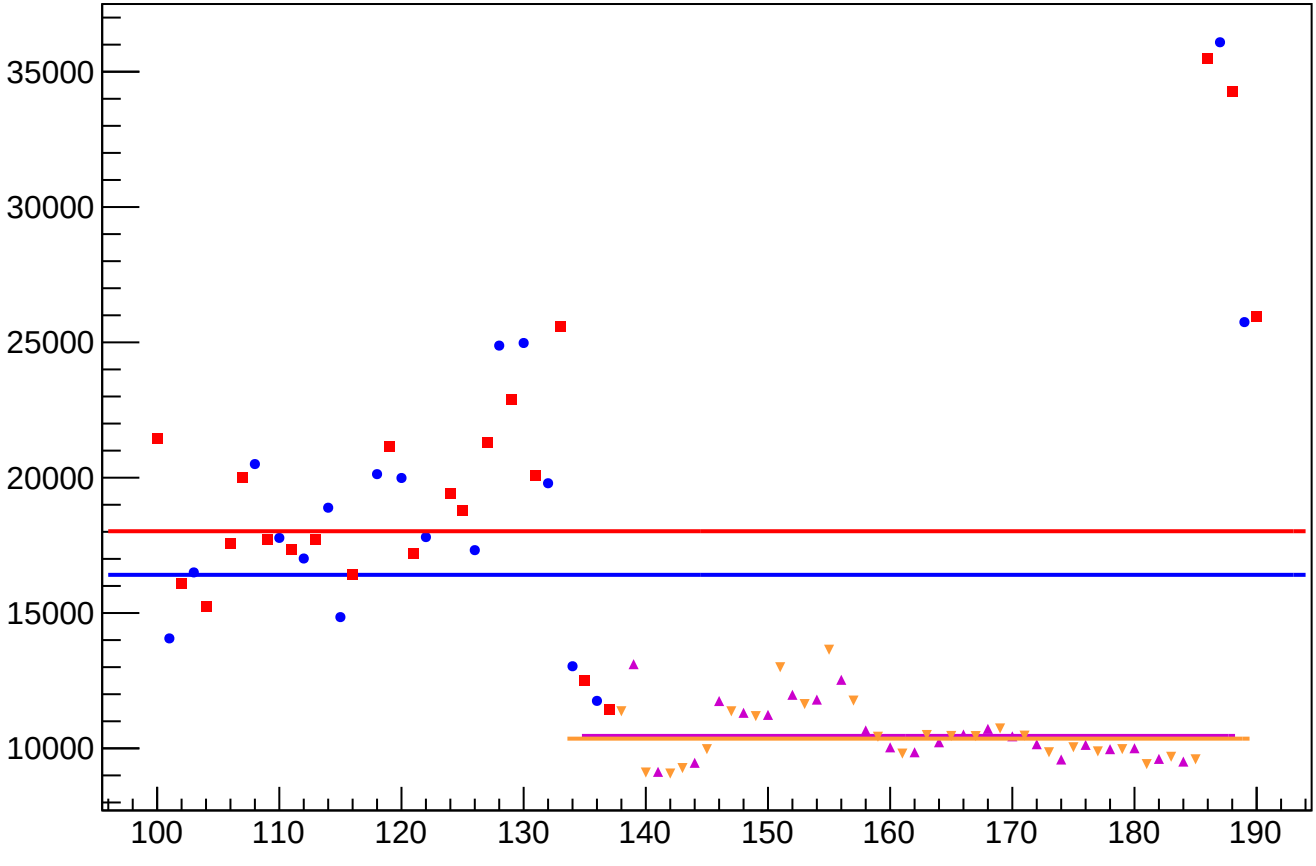
Right: 0.134+/-4.325 χ^2/NDF: 43.5/39

In: -0.846+/-2.277 χ^2/NDF:54.7/40

Out: -7.930+/-2.213 χ^2/NDF:87.5/46

All: -4.488+/-1.587 χ^2/NDF: 147.1/87

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16410.583+/-4.281 χ^2/NDF: 971455.9/17

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 18021.949+/-4.370 χ^2/NDF: 1268084.1/21

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

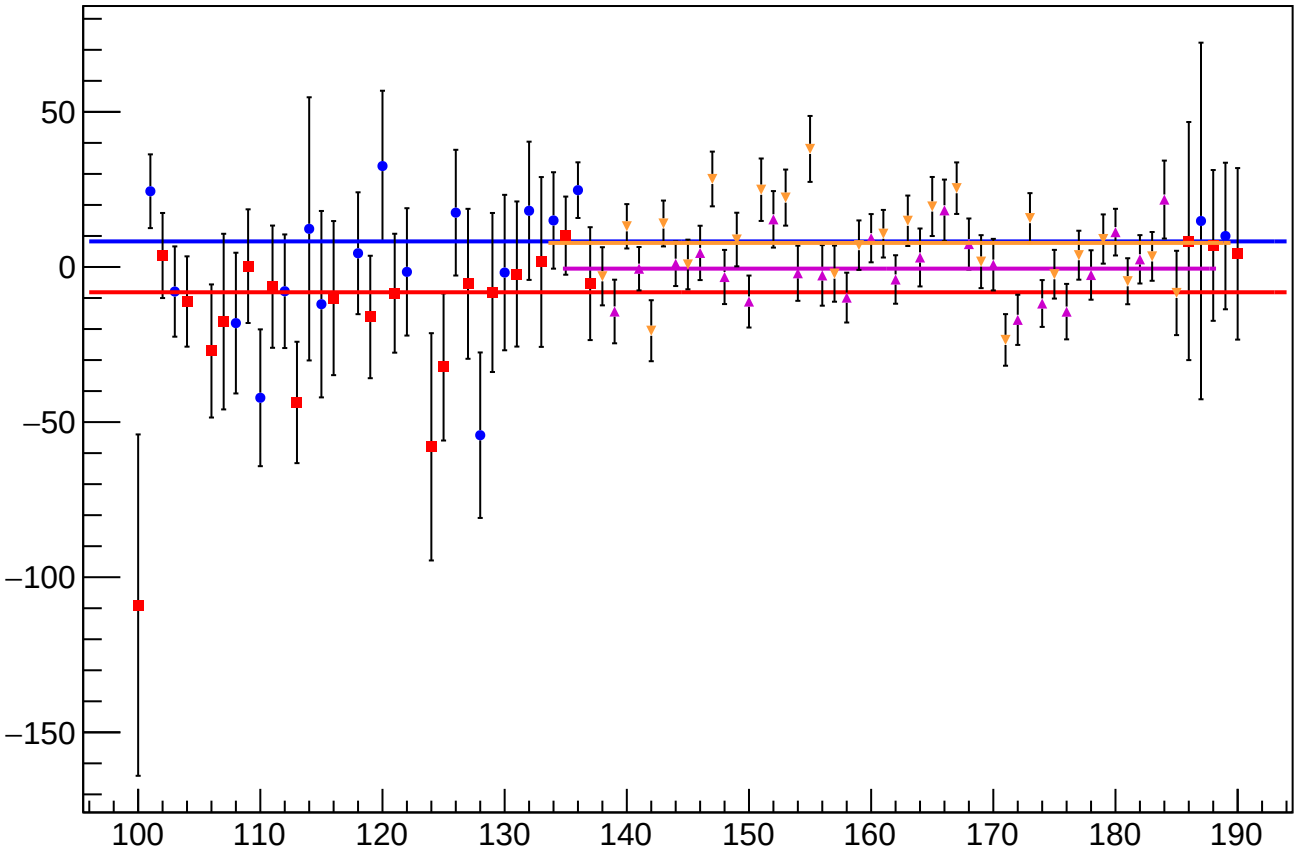
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 17199.686+/-3.058 χ^2/NDF: 2308926.0/39

In: 11300.733+/-1.610 χ^2/NDF:2945604.1/40

Out: 11341.209+/-1.565 χ^2/NDF:4312327.3/46

All: 11321.544+/-1.122 χ^2/NDF: 7258256.4/8



Right In: 8.250+/-4.335 χ^2/NDF: 21.8/17

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -8.145+/-4.437 χ^2/NDF: 14.7/21

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

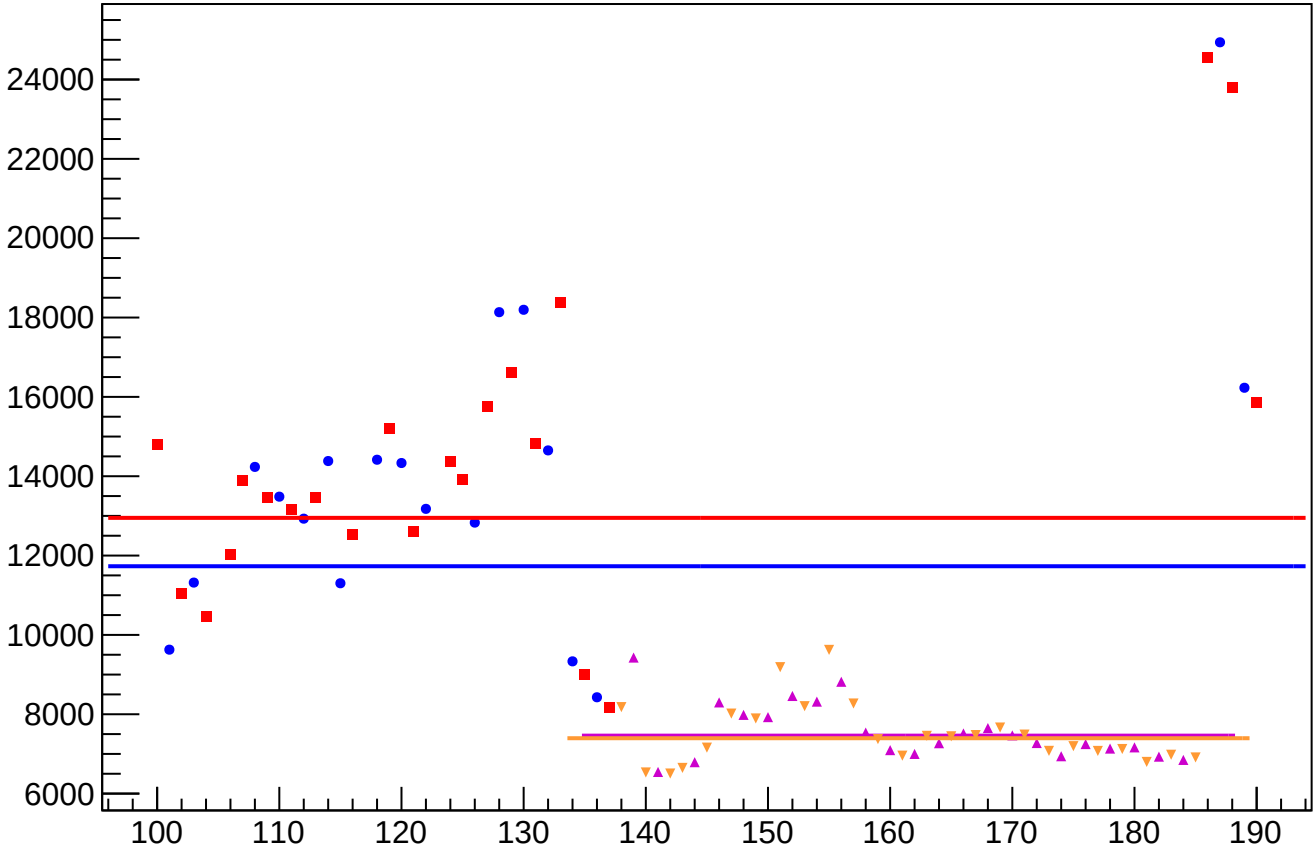
Right: 0.243+/-3.101 χ^2/NDF: 43.5/39

In: 0.701+/-1.624 χ^2/NDF:54.8/40

Out: 5.745+/-1.581 χ^2/NDF:86.9/46

All: 3.292+/-1.133 χ^2/NDF: 146.6/87

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11730.910+/-3.065 χ^2/NDF: 973853.2/17

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12950.501+/-3.138 χ^2/NDF: 1241110.1/21

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

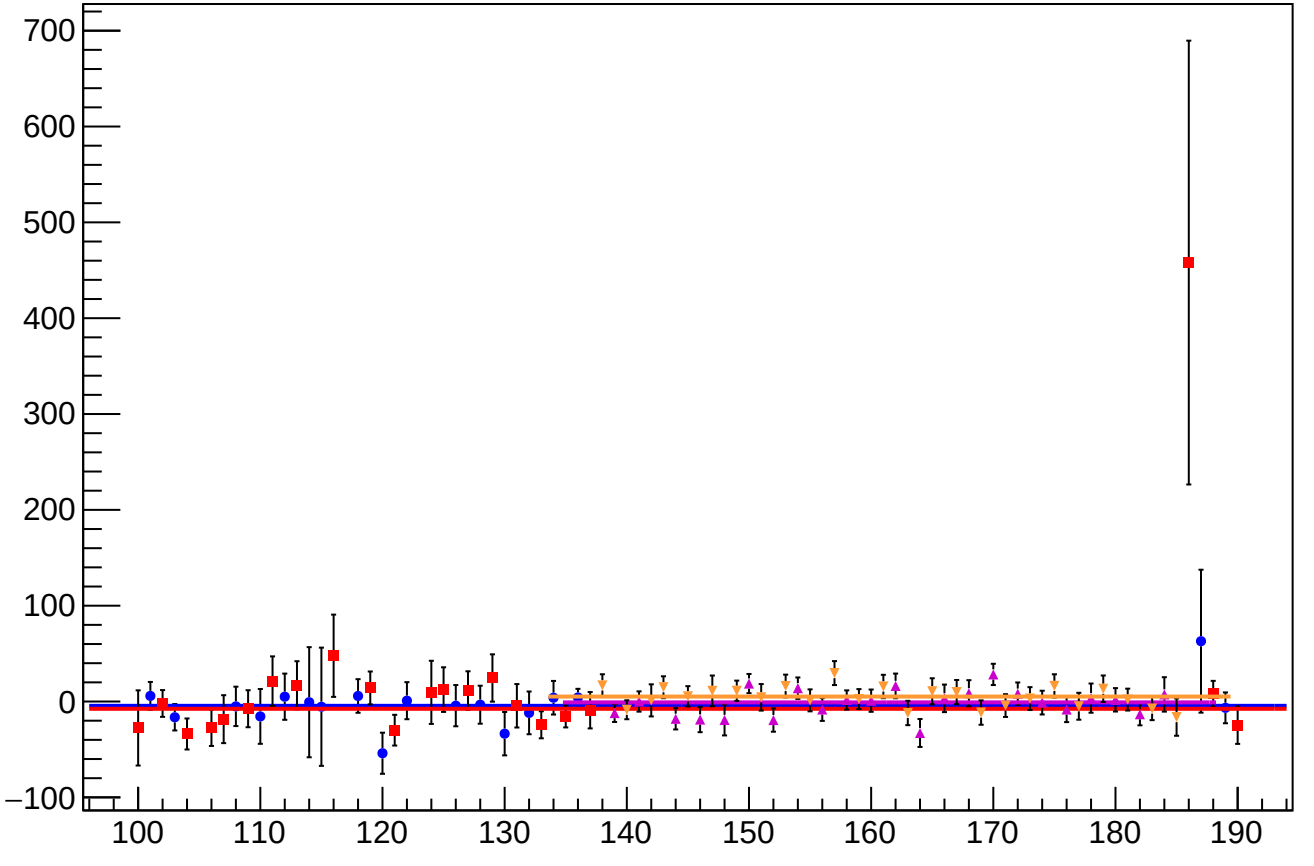
Right: 12326.493+/-2.193 χ^2/NDF: 2292272.0/39

In: 8060.367+/-1.149 χ^2/NDF:2926053.5/40

Out: 8100.467+/-1.118 χ^2/NDF:4302352.2/46

All: 8080.965+/-0.801 χ^2/NDF: 7229031.8/87

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.494+/-4.374 χ^2/NDF: 11.1/17

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -7.581+/-4.085 χ^2/NDF: 23.4/21

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

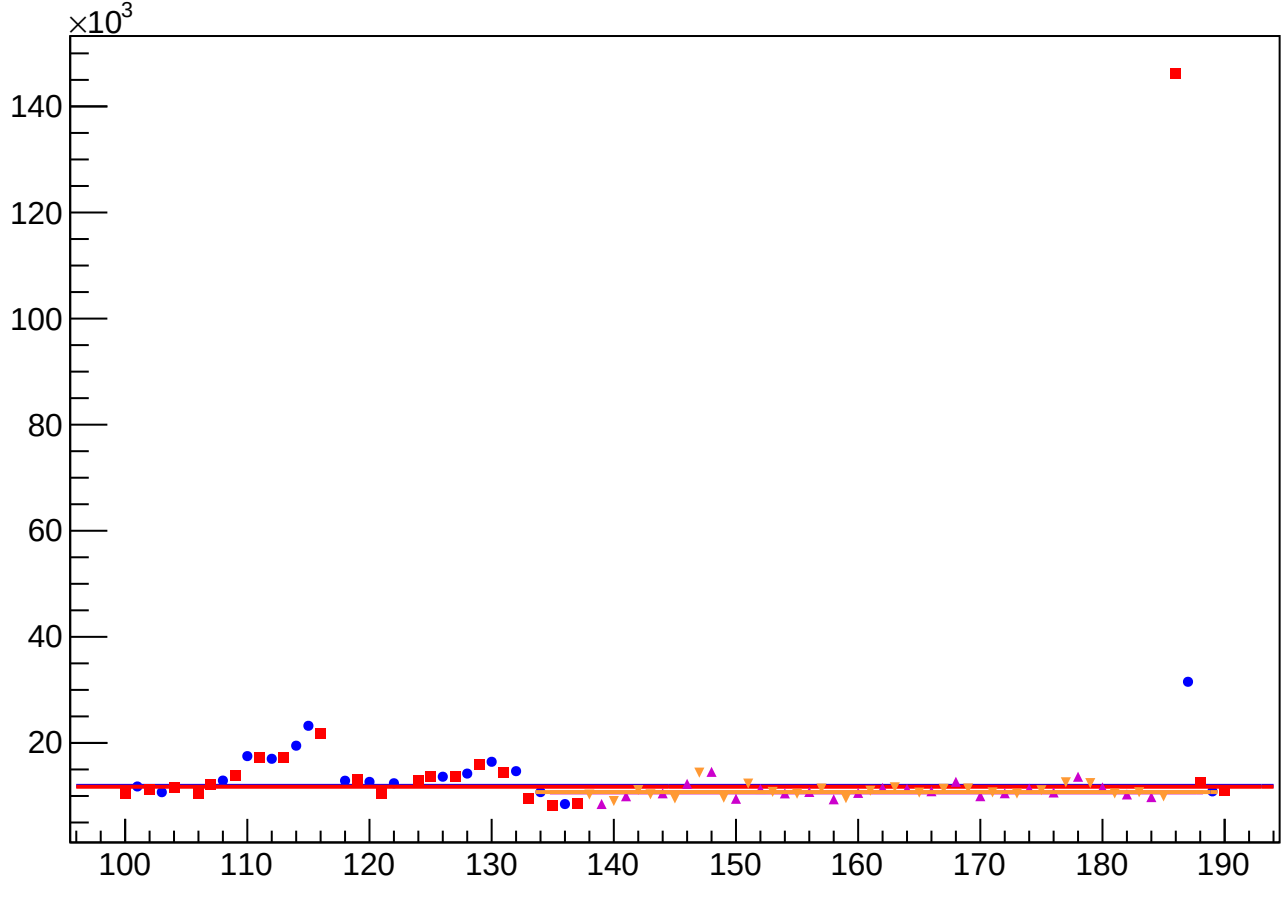
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -6.143+/-2.986 χ^2/NDF: 34.7/39

In: -1.788+/-2.183 χ^2/NDF:43.4/40

Out: 1.785+/-2.107 χ^2/NDF:48.9/46

All: 0.061+/-1.516 χ^2/NDF: 93.7/87



Right In: 11906.328+/-3.093 χ^2/NDF: 896625.4/17

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11741.615+/-2.889 χ^2/NDF: 1474249.3/21

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

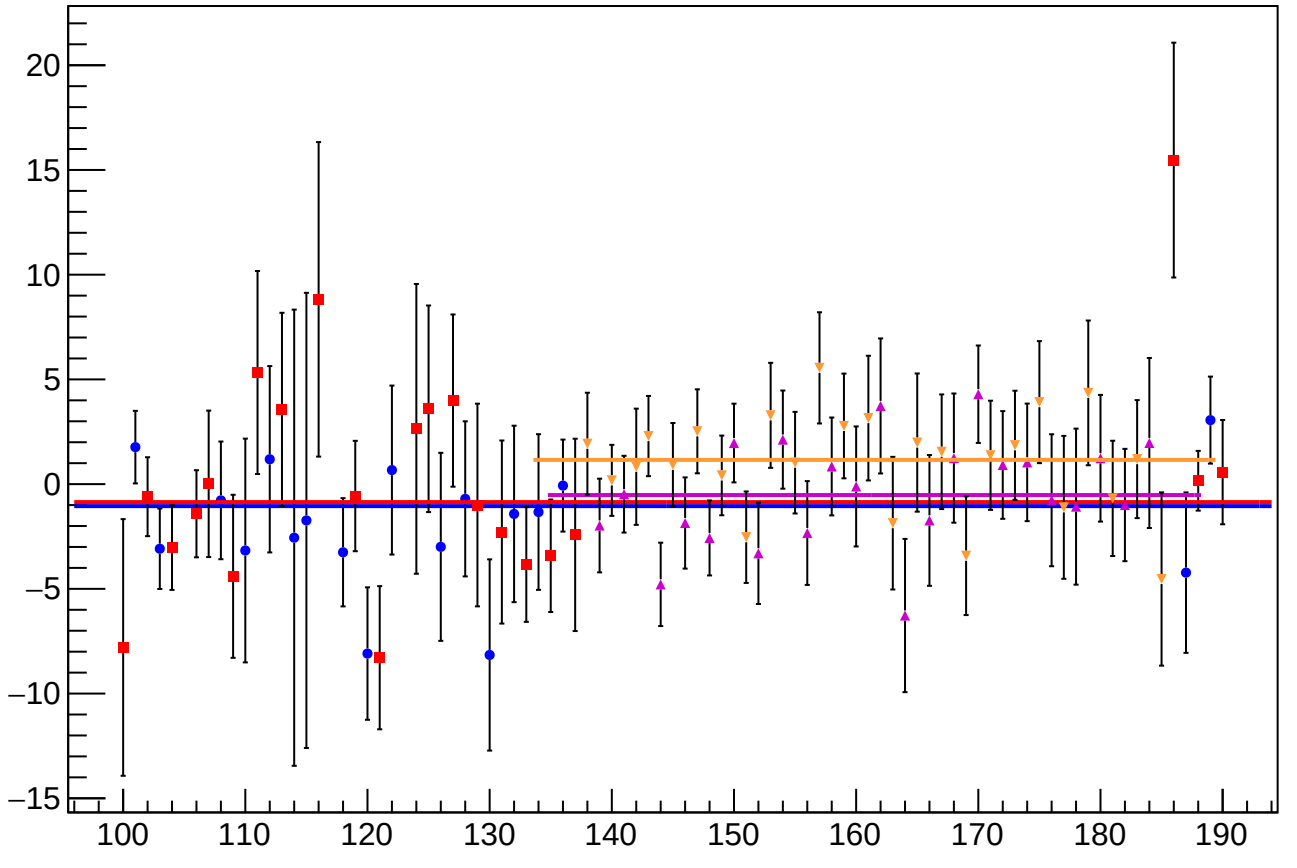
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 11818.350+/-2.111 χ^2/NDF: 2372389.3/39

In: 10983.159+/-1.543 χ^2/NDF:1515799.8/40

Out: 11001.749+/-1.490 χ^2/NDF:1931887.9/46

All: 10992.783+/-1.072 χ^2/NDF: 3447762.8/8


diff_bpm4aediffY_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
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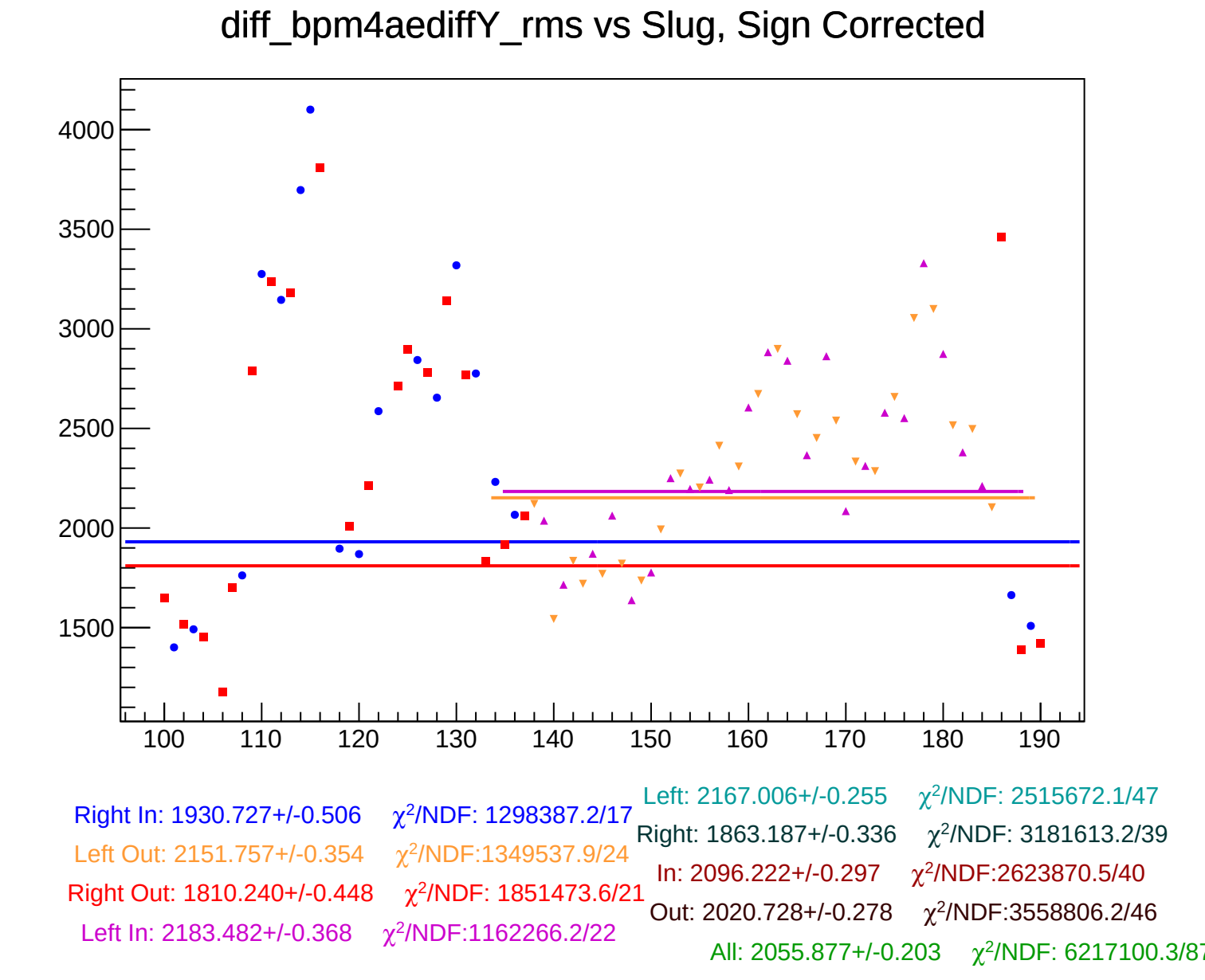
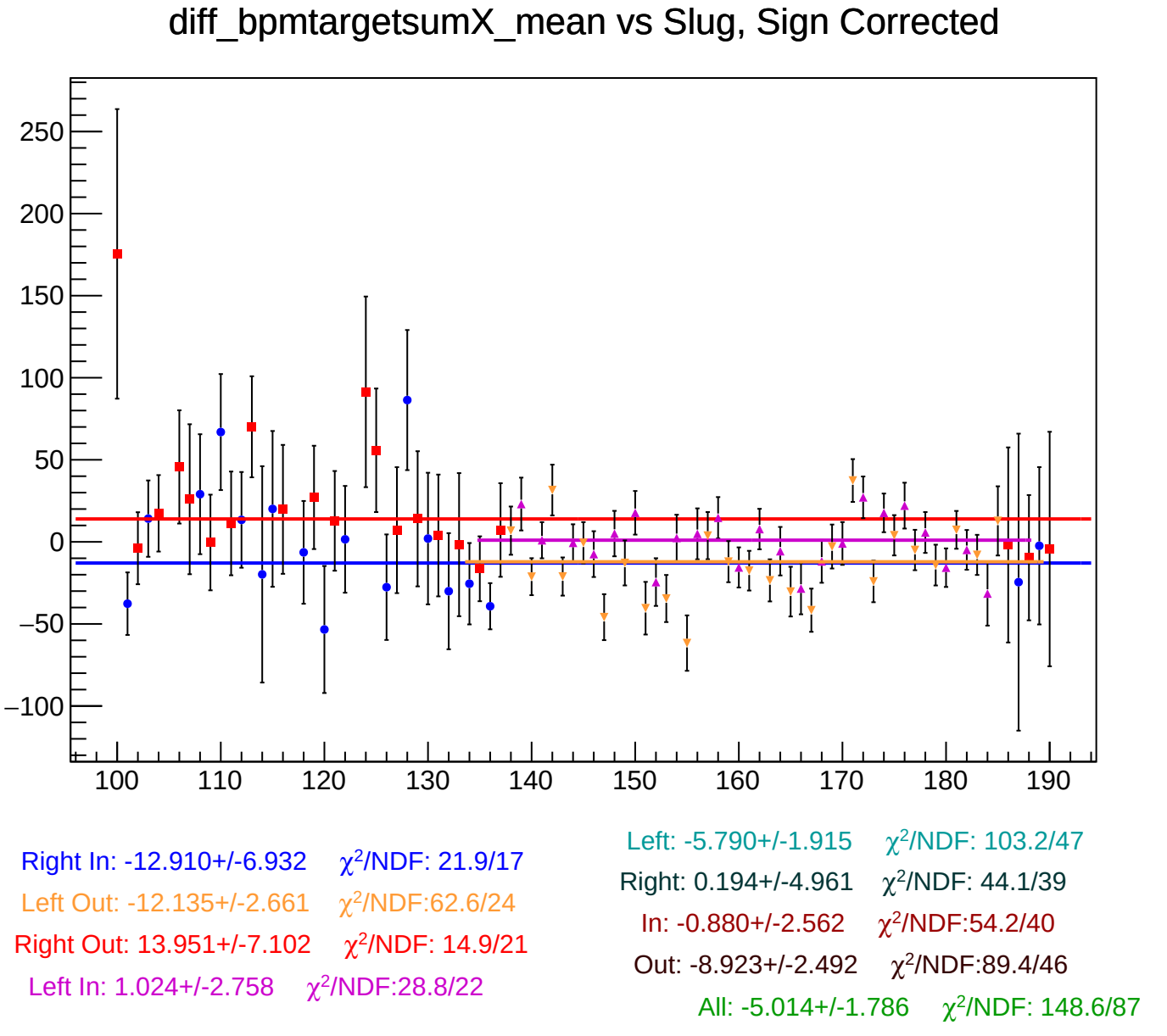
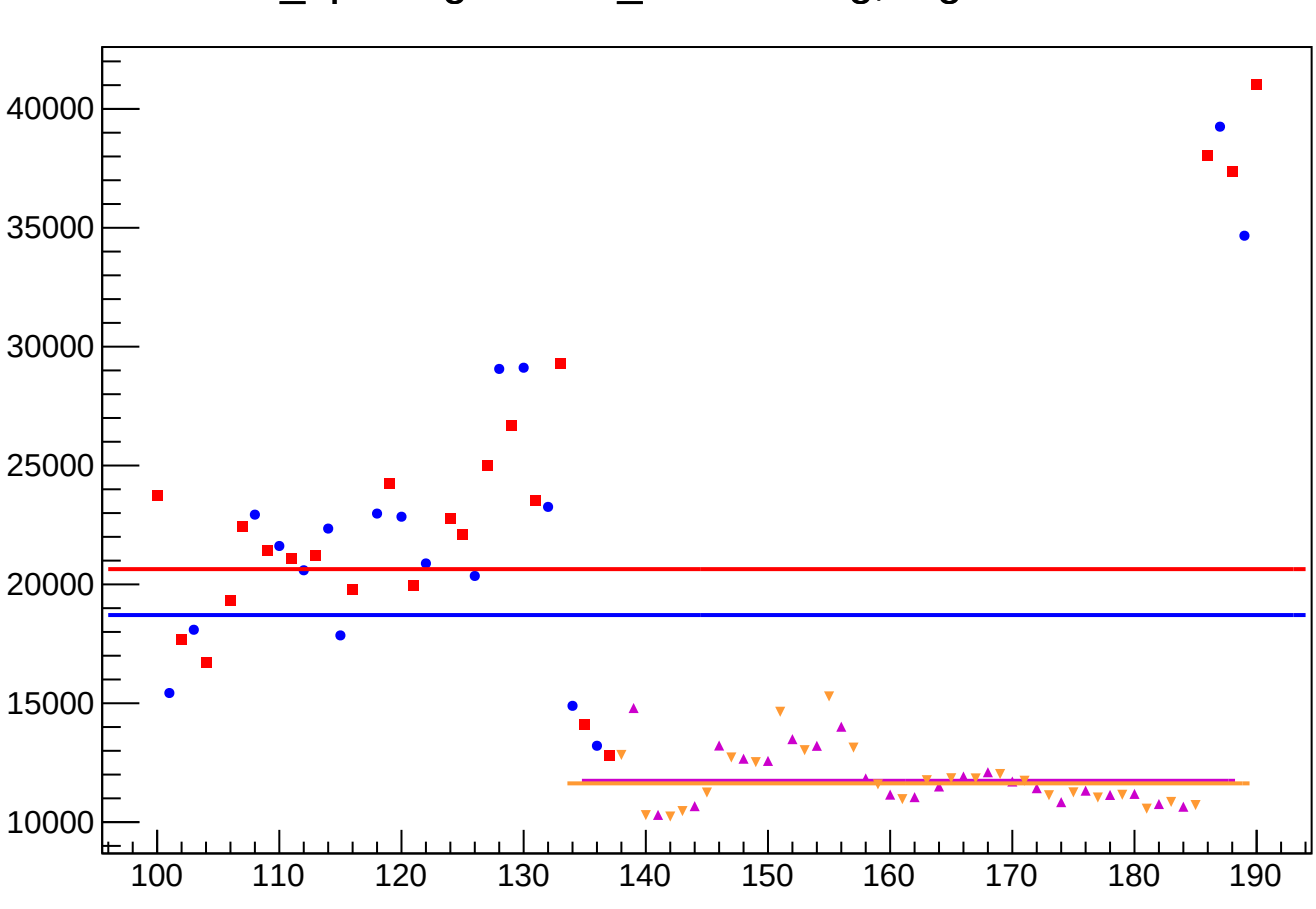
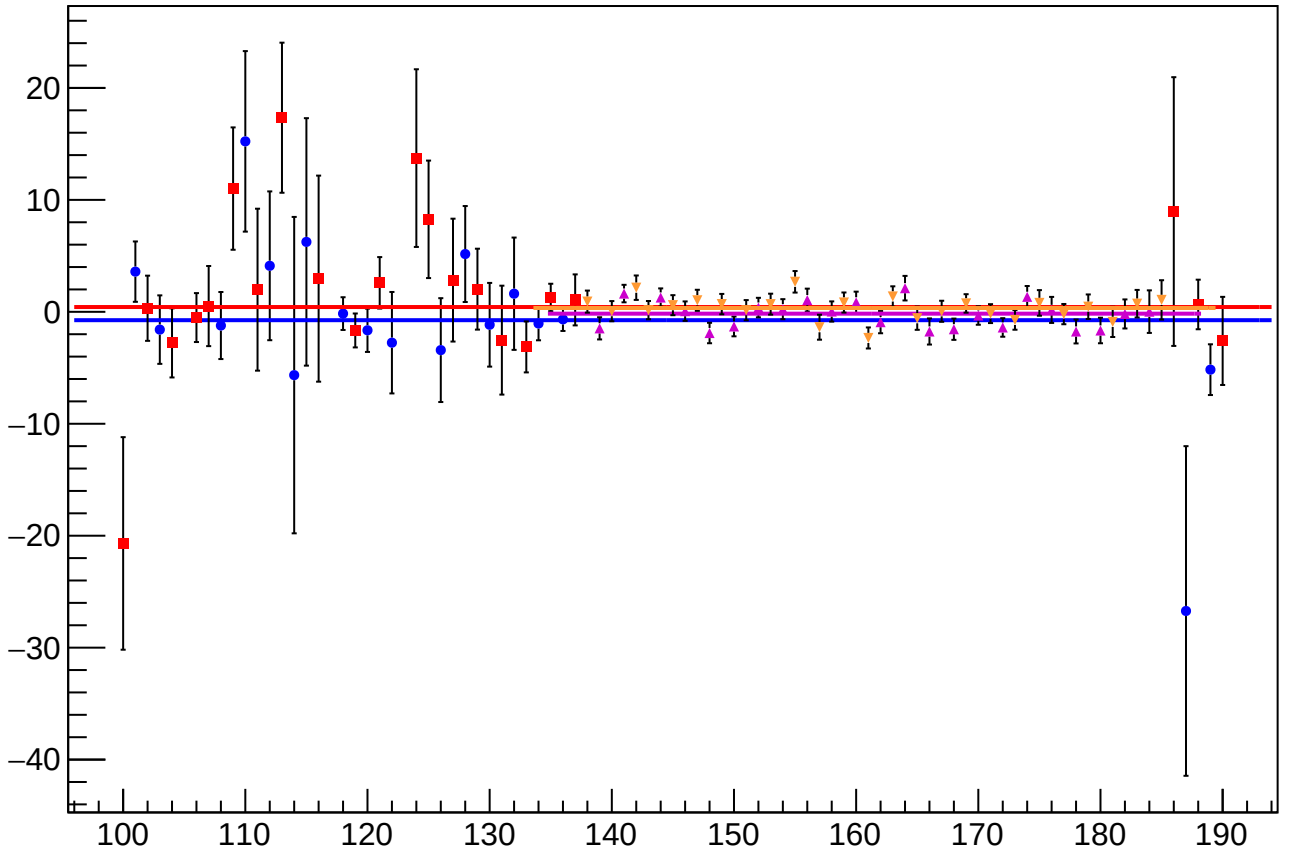
130
140
150
160
170
180
190
Right In: -1.051+/-0.716 χ²/NDF: 17.5/17
Left Out: 1.158+/-0.500 χ²/NDF:16.8/24
Right Out: -0.857+/-0.634 χ²/NDF: 26.5/21
Left In: -0.522+/-0.520 χ²/NDF:22.3/22
Left: 0.350+/-0.360 χ²/NDF: 44.6/47
Right: -0.942+/-0.475 χ²/NDF: 44.0/39
In: -0.704+/-0.421 χ²/NDF:40.2/40
Out: 0.385+/-0.393 χ²/NDF:49.5/46
All: -0.122+/-0.287 χ²/NDF: 93.3/87


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
190
Right In: 1930.727+/-0.506 χ²/NDF: 1298387.2/17
Left Out: 2151.757+/-0.354 χ²/NDF:1349537.9/24
Right Out: 1810.240+/-0.448 χ²/NDF: 1851473.6/21
Left In: 2183.482+/-0.368 χ²/NDF:1162266.2/22
Left: 2167.006+/-0.255 χ²/NDF: 2515672.1/47
Right: 1863.187+/-0.336 χ²/NDF: 3181613.2/39
In: 2096.222+/-0.297 χ²/NDF:2623870.5/40
Out: 2020.728+/-0.278 χ²/NDF:3558806.2/46
All: 2055.877+/-0.203 χ²/NDF: 6217100.3/87


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: -12.910+/-6.932 χ²/NDF: 21.9/17
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 13.951+/-7.102 χ²/NDF: 14.9/21
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: 0.194+/-4.961 χ²/NDF: 44.1/39
In: -0.880+/-2.562 χ²/NDF:54.2/40
Out: -8.923+/-2.492 χ²/NDF:89.4/46
All: -5.014+/-1.786 χ²/NDF: 148.6/87


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 18710.342+/-4.901 χ²/NDF: 1153561.2/17
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 20642.245+/-5.022 χ²/NDF: 1385041.1/21
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 19652.817+/-3.508 χ²/NDF: 2614393.1/39
In: 12691.014+/-1.812 χ²/NDF:3213994.1/40
Out: 12739.647+/-1.762 χ²/NDF:4564906.7/46
All: 12716.007+/-1.263 χ²/NDF: 7779271.0/8



Right In: -0.747+/-0.580 χ^2/NDF: 17.7/17

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.428+/-0.601 χ^2/NDF: 29.2/21

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

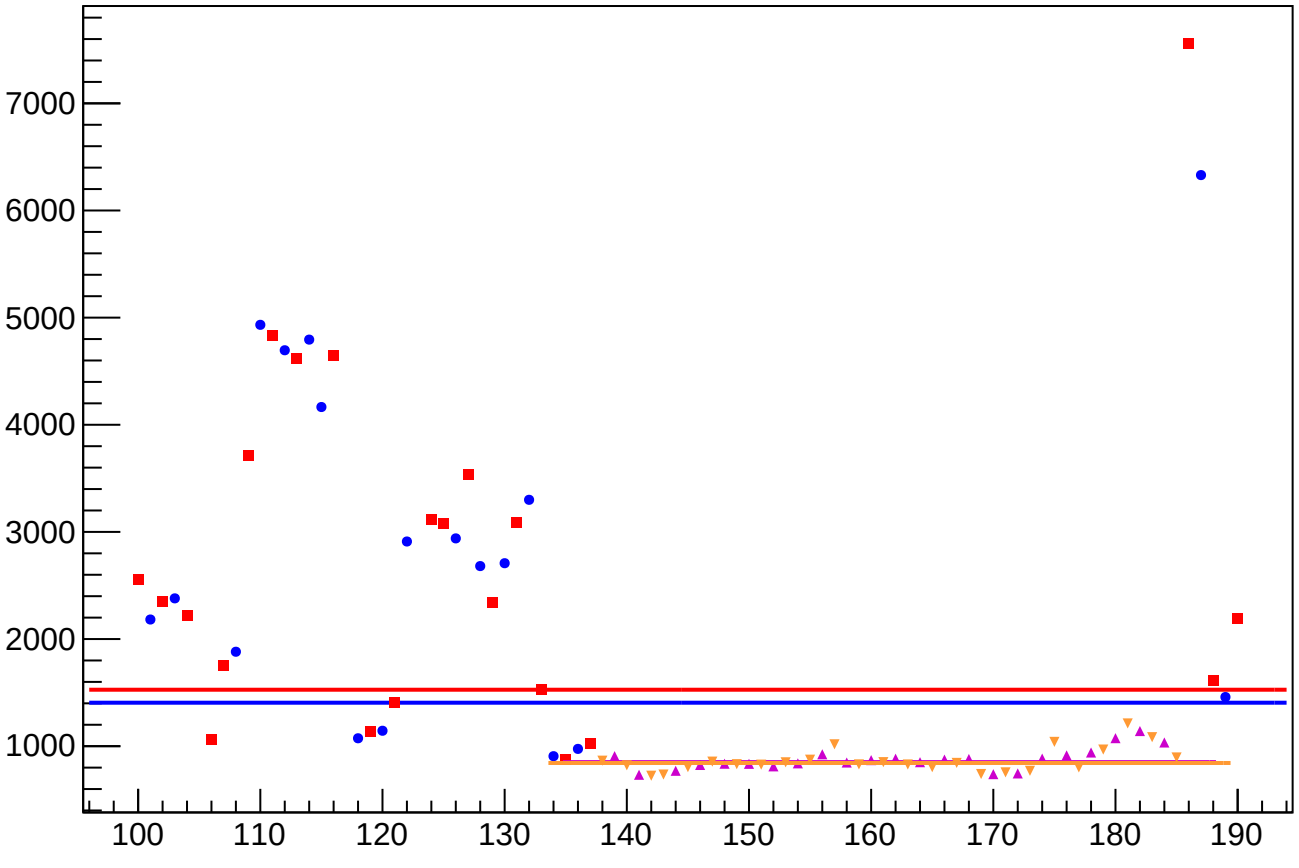
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: -0.181+/-0.417 χ^2/NDF: 48.8/39

In: -0.227+/-0.190 χ^2/NDF:54.9/40

Out: 0.351+/-0.184 χ^2/NDF:55.9/46

All: 0.070+/-0.132 χ^2/NDF: 115.6/87



Right In: 1405.812+/-0.410 χ^2/NDF: 3606645.6/17

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1527.002+/-0.425 χ^2/NDF: 3971505.2/21

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

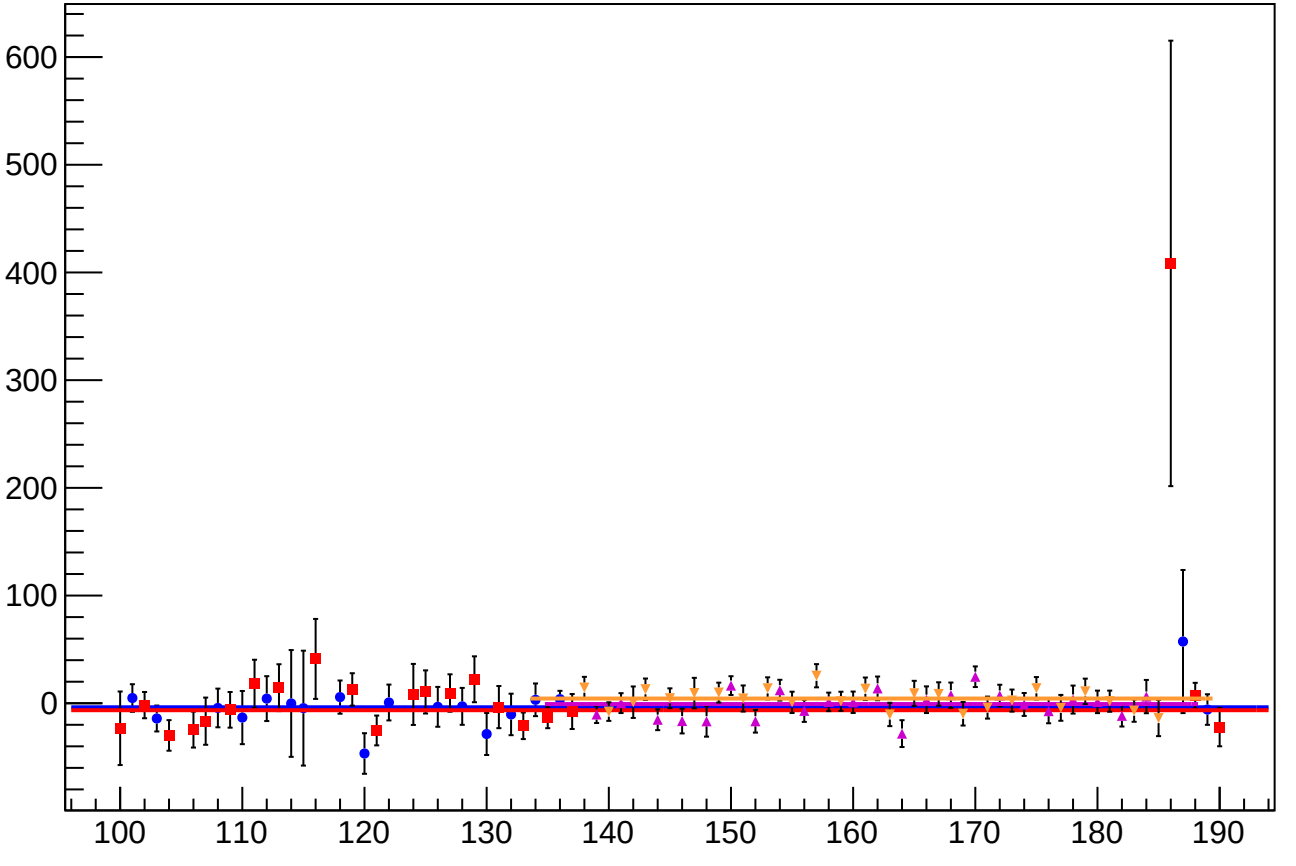
Right: 1464.170+/-0.295 χ^2/NDF: 7620243.6/39

In: 911.026+/-0.134 χ^2/NDF:5621173.8/40

Out: 907.544+/-0.130 χ^2/NDF:6817937.1/46

All: 909.235+/-0.094 χ^2/NDF: 12439457.1/87

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.742+/-3.793 χ^2/NDF: 10.9/17

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -6.455+/-3.553 χ^2/NDF: 23.4/21

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

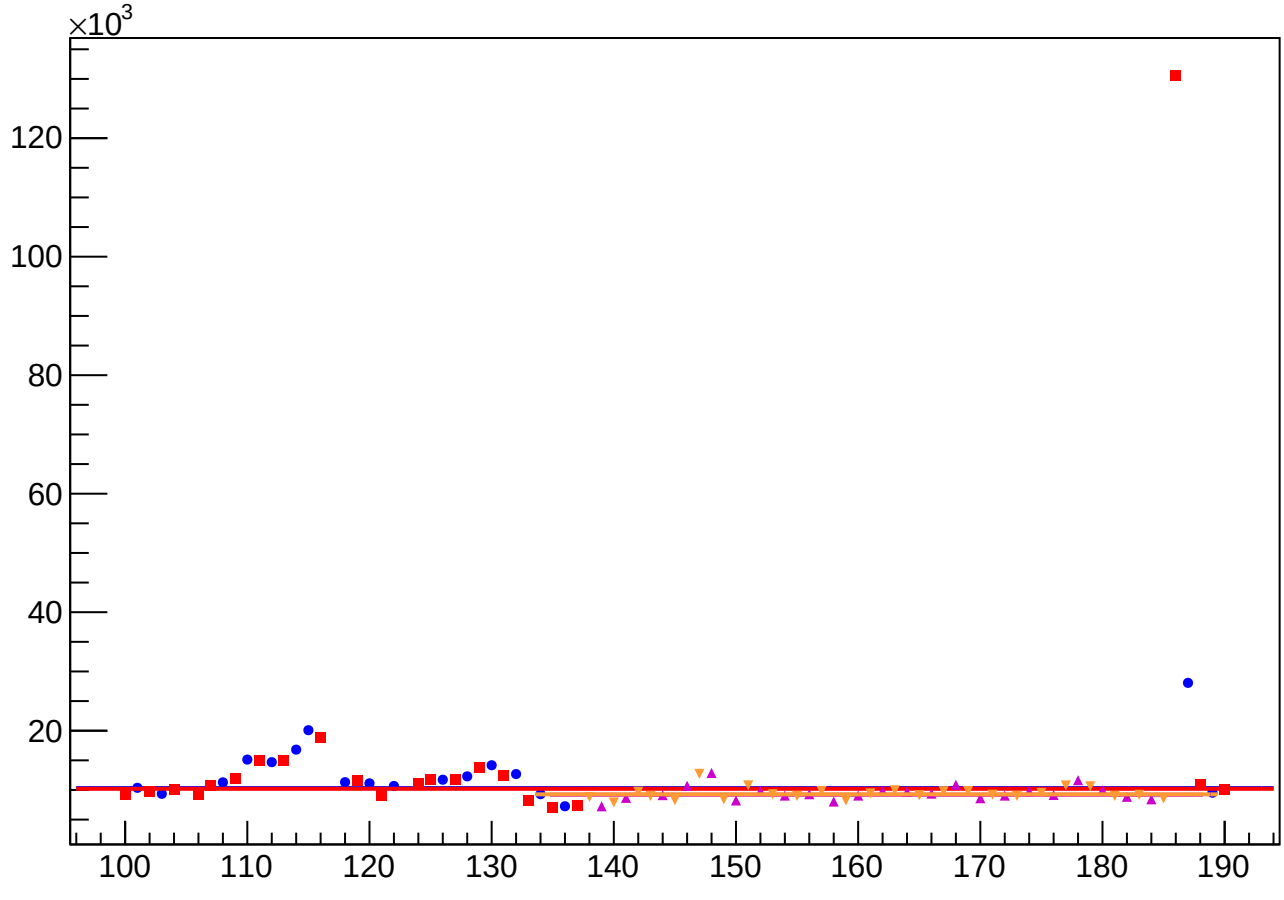
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -5.187+/-2.593 χ^2/NDF: 34.6/39

In: -1.476+/-1.884 χ^2/NDF:43.4/40

Out: 1.534+/-1.822 χ^2/NDF:48.8/46

All: 0.080+/-1.310 χ^2/NDF: 93.6/87



Right In: 10312.701+/-2.682 χ^2/NDF: 919505.4/17

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10202.381+/-2.512 χ^2/NDF: 1480213.9/21

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

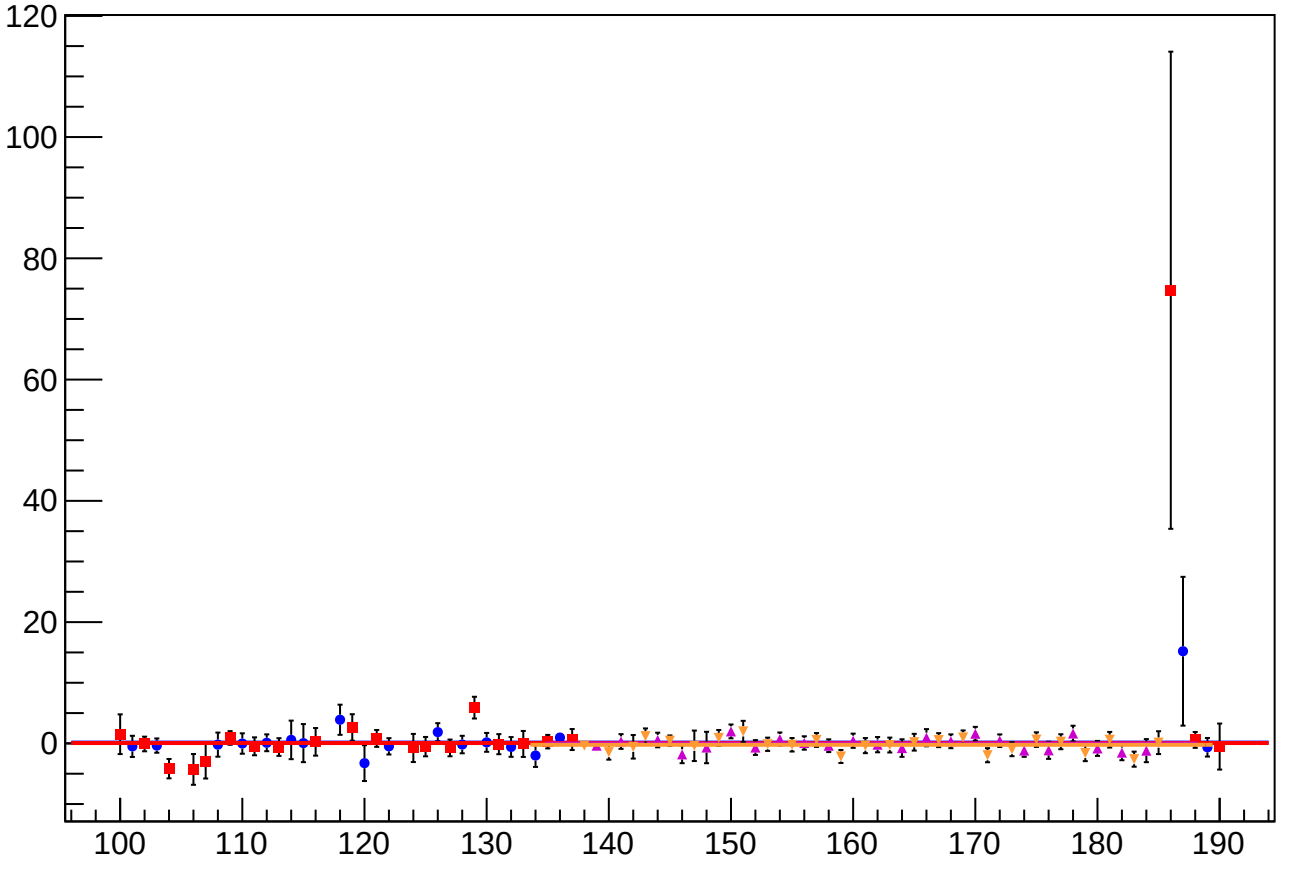
Right: 10253.938+/-1.834 χ^2/NDF: 2400620.4/39

In: 9474.155+/-1.332 χ^2/NDF:1564764.0/40

Out: 9508.862+/-1.288 χ^2/NDF:1949672.2/46

All: 9492.092+/-0.926 χ^2/NDF: 3514787.1/87

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.132+/-0.374 χ^2/NDF: 9.9/17

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.060+/-0.356 χ^2/NDF: 29.0/21

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

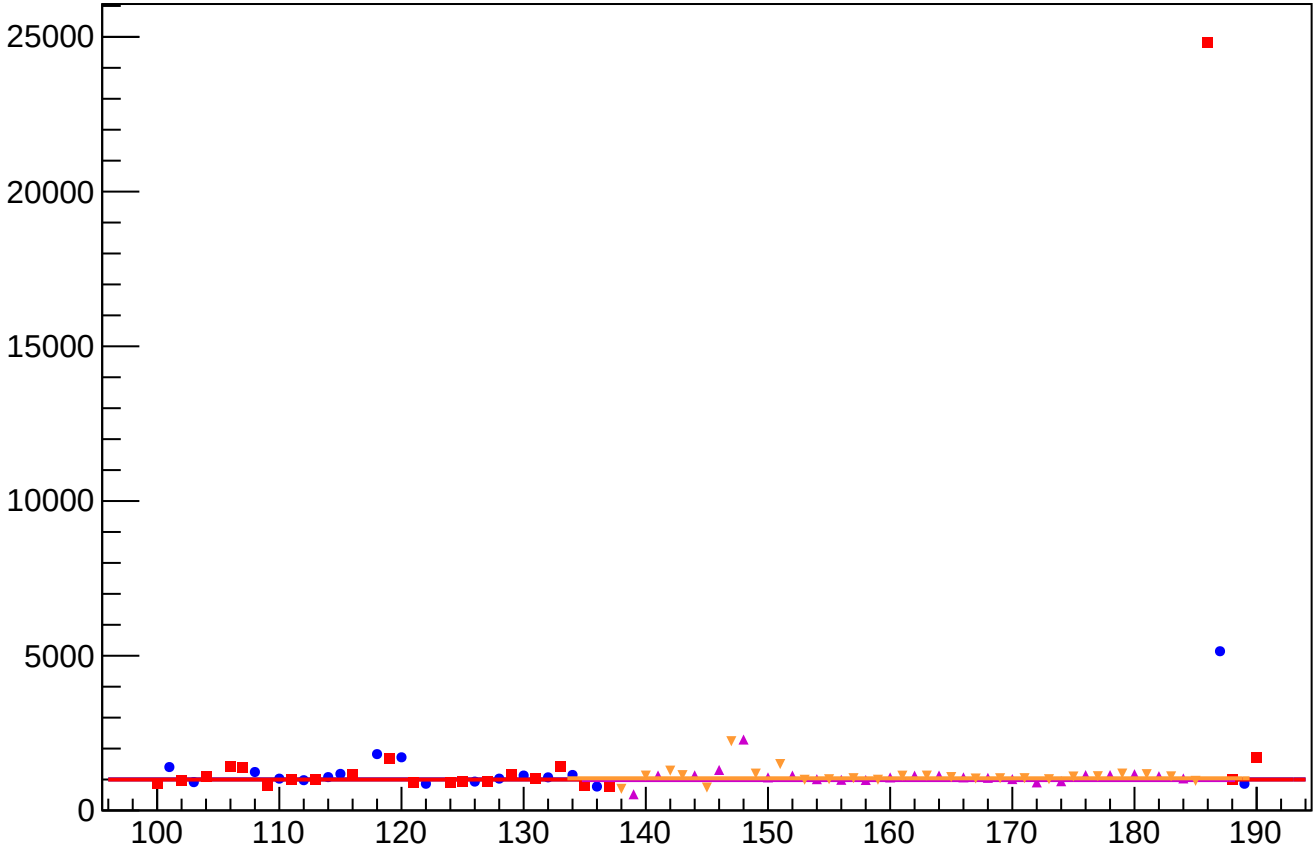
Right: 0.094+/-0.258 χ^2/NDF: 38.9/39

In: 0.021+/-0.202 χ^2/NDF:25.2/40

Out: -0.137+/-0.201 χ^2/NDF:48.4/46

All: -0.059+/-0.142 χ^2/NDF: 73.9/87

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1004.345+/-0.265 χ^2/NDF: 944525.1/17

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 998.731+/-0.252 χ^2/NDF: 1383490.6/21

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 1001.400+/-0.183 χ^2/NDF: 2328251.5/39

In: 988.243+/-0.142 χ^2/NDF:3174826.4/40

Out: 1026.482+/-0.142 χ^2/NDF:2741017.5/46

All: 1007.411+/-0.101 χ^2/NDF: 5951941.4/87

yield_cav4bX_mean vs Slug, Sign Corrected

Right In: 139.337+/-0.000 χ^2/NDF: 48497369571.5/17

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774176219041458.2/21

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

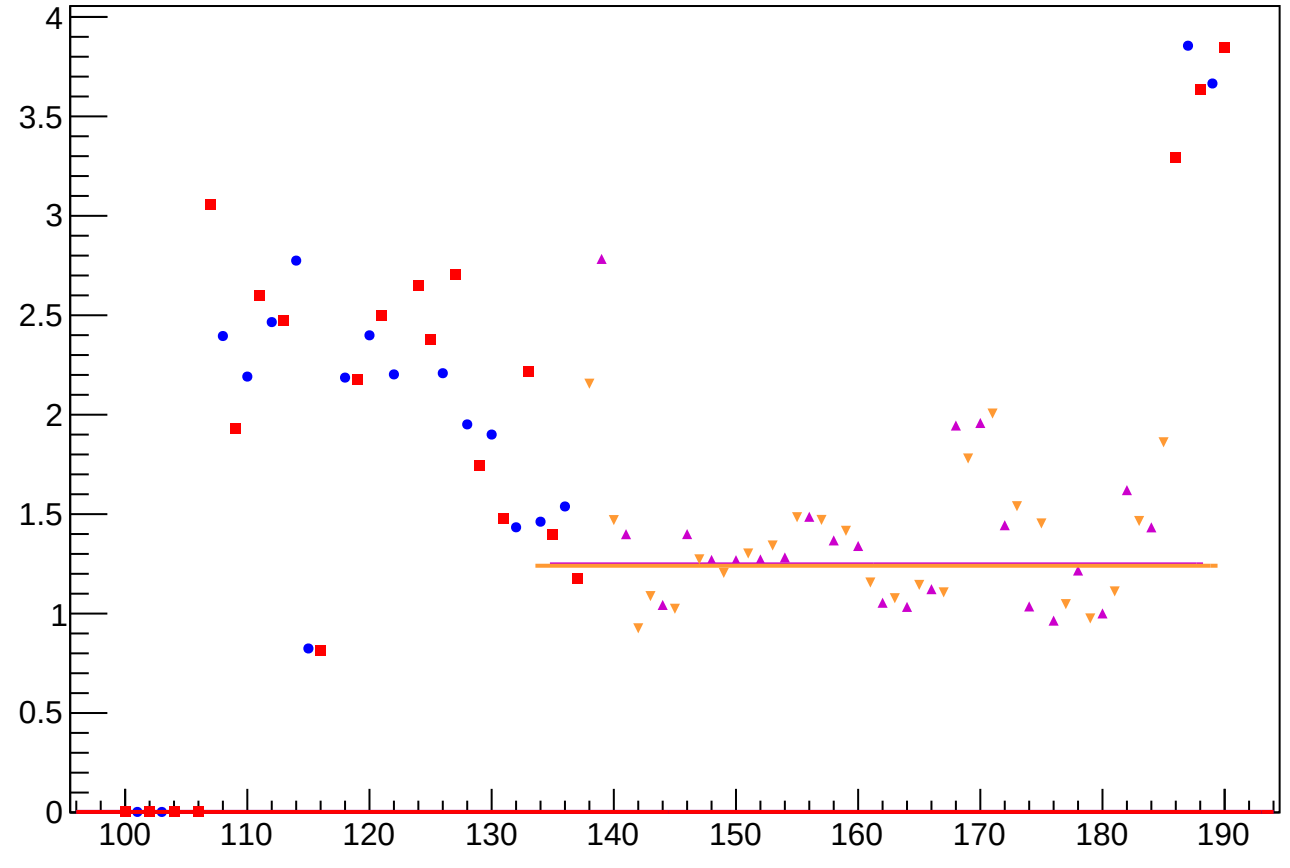
Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

Right: 131.818+/-0.000 χ^2/NDF: 793009645693989

In: 139.328+/-0.000 χ^2/NDF:302897107856.0/40

Out: 125.384+/-0.000 χ^2/NDF:774406907936522.

All: 131.810+/-0.000 χ^2/NDF: 793492059898



Right In: 0.003+/-0.000 χ^2/NDF: 10908166.2/17

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12973417.4/21

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

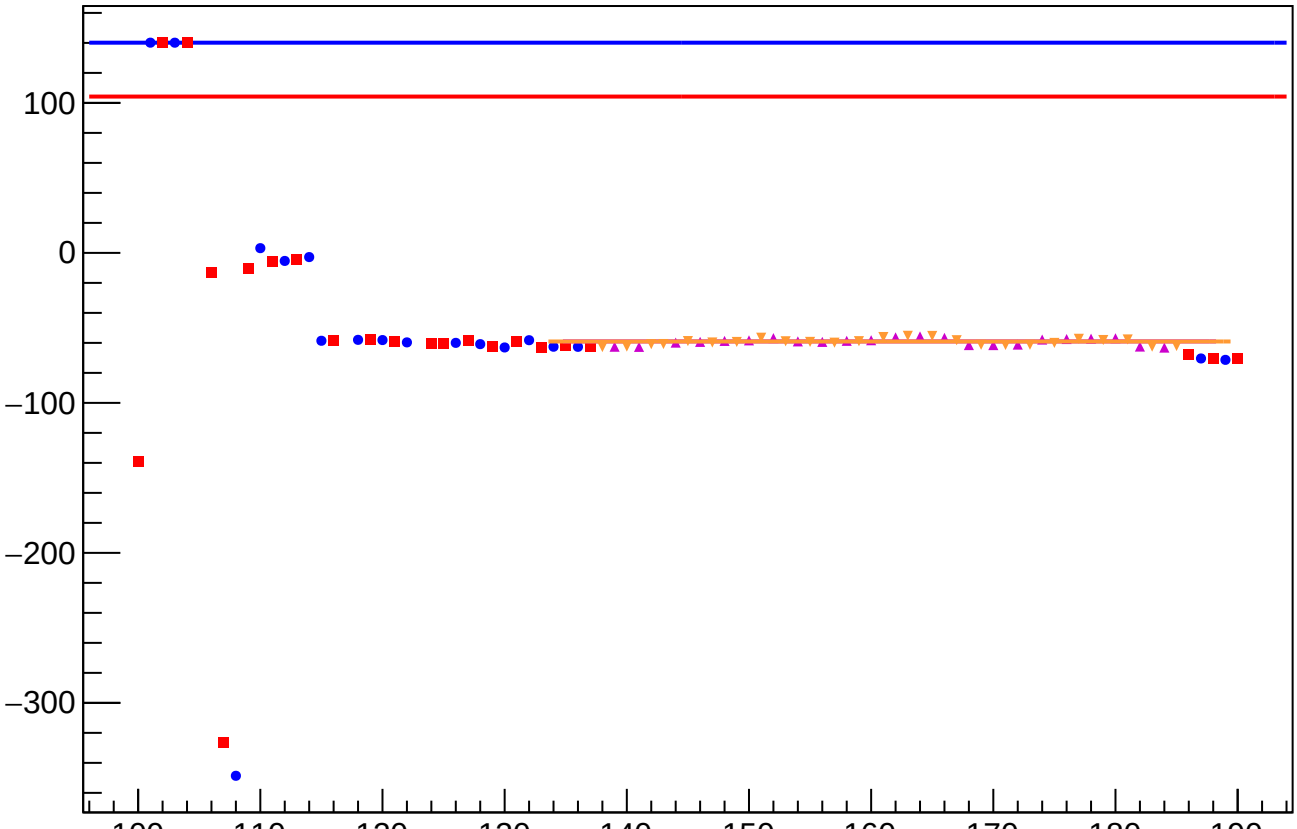
Right: 0.003+/-0.000 χ^2/NDF: 23881753.7/39

In: 0.003+/-0.000 χ^2/NDF:40673884.8/40

Out: 0.003+/-0.000 χ^2/NDF:44273705.0/46

All: 0.003+/-0.000 χ^2/NDF: 84947829.7/87

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 195703416654.5/17

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257414002096803.0/21

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

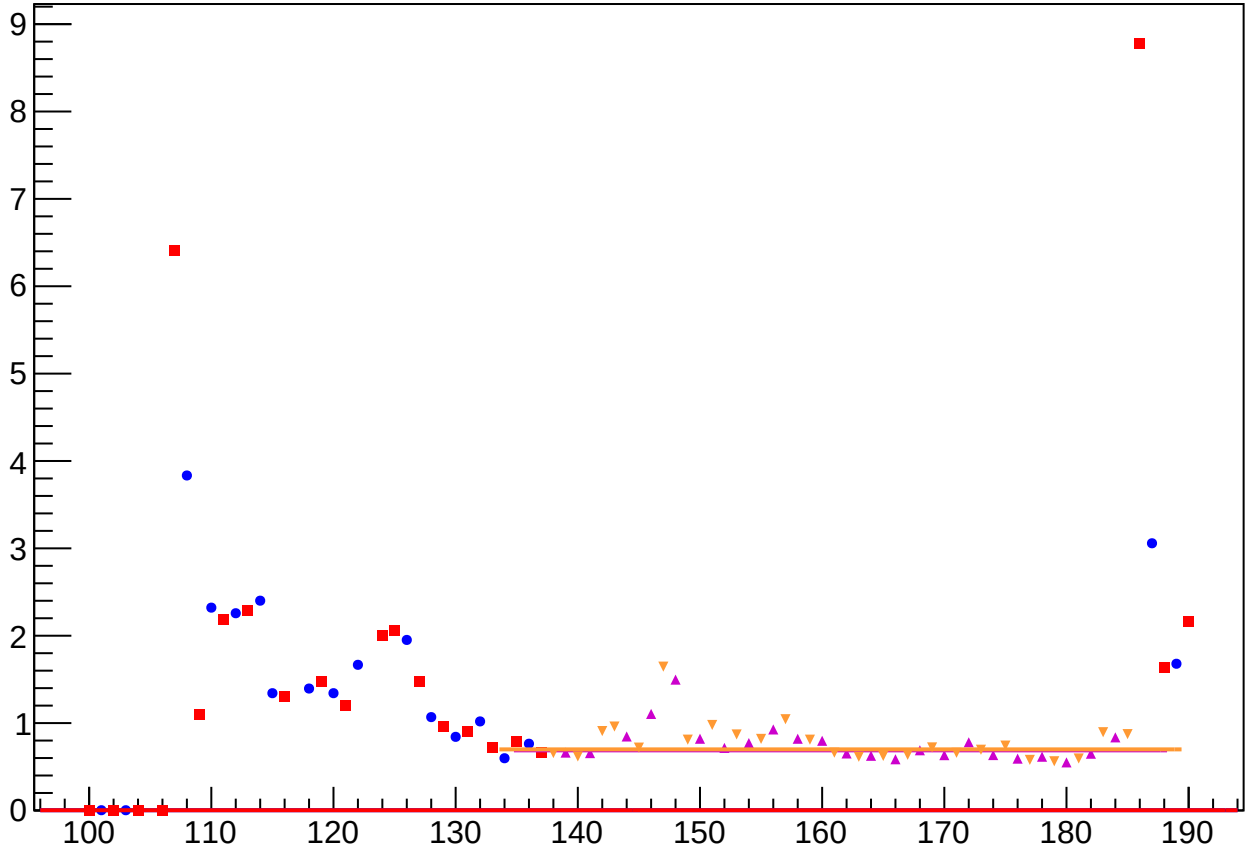
Right: 120.831+/-0.000 χ^2/NDF: 138091704194454

In: 140.107+/-0.000 χ^2/NDF:1471305136594.1/40

Out: 104.198+/-0.000 χ^2/NDF:1258285654373322

All: 120.801+/-0.000 χ^2/NDF: 13830152250

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11869631.2/17

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13405602.6/21

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

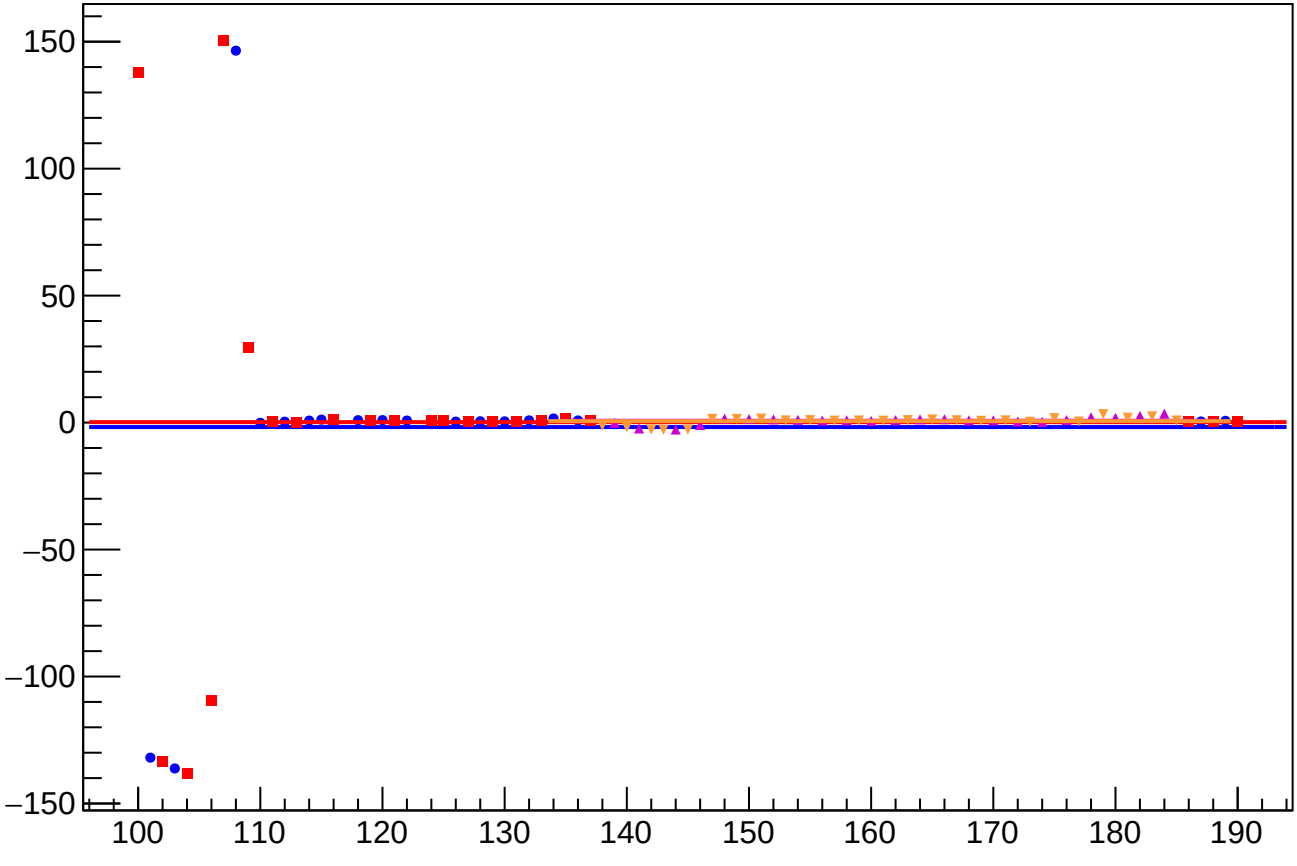
Right: 0.003+/-0.000 χ^2/NDF: 25275421.1/39

In: 0.003+/-0.000 χ^2/NDF:43176365.1/40

Out: 0.003+/-0.000 χ^2/NDF:46463470.0/46

All: 0.003+/-0.000 χ^2/NDF: 89640224.7/87

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.763+/-0.000 χ^2/NDF: 9889360057.5/17

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.178+/-0.000 χ^2/NDF: 3611282388.8/21

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

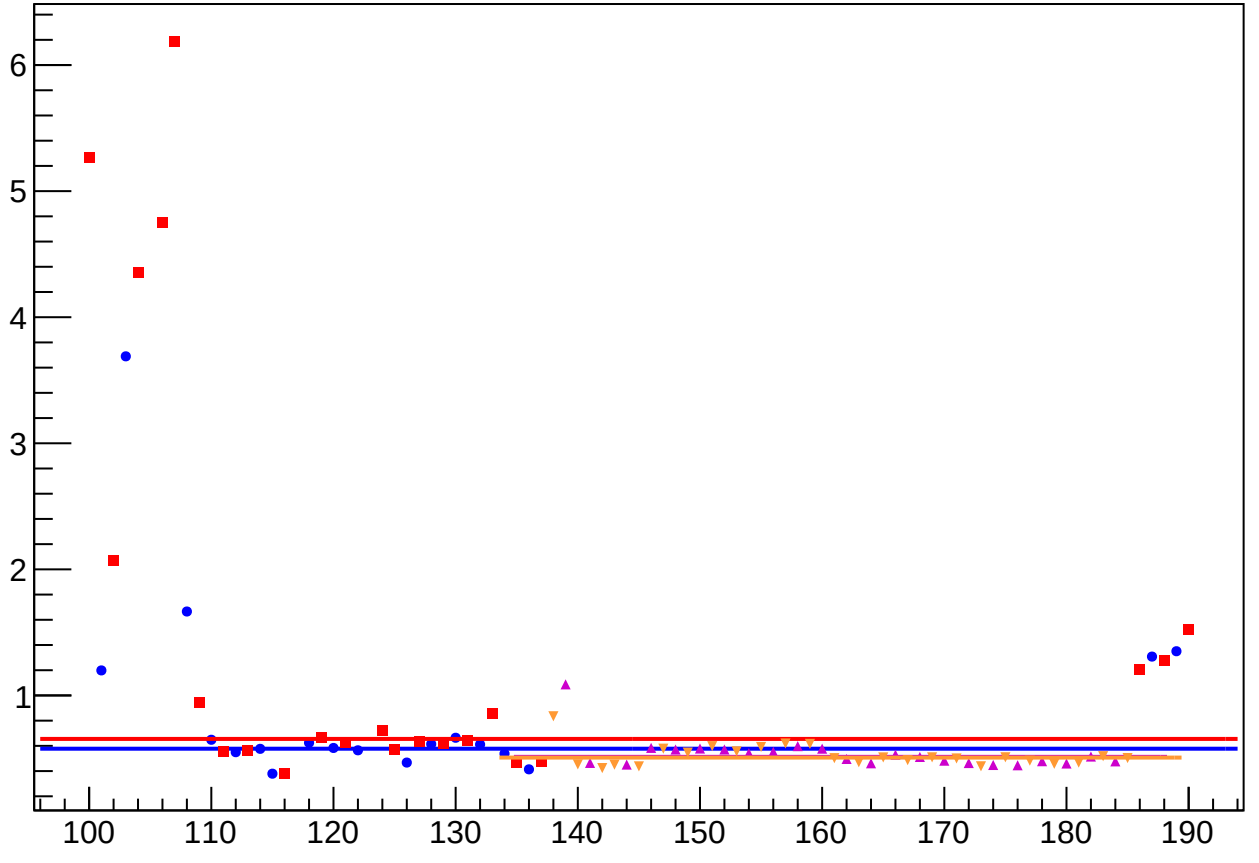
Right: -0.860+/-0.000 χ^2/NDF: 13529541201.9/39

In: 0.165+/-0.000 χ^2/NDF:10073848112.1/40

Out: 0.499+/-0.000 χ^2/NDF:3767474991.4/46

All: 0.335+/-0.000 χ^2/NDF: 13845455268.0/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.577+/-0.000 χ^2/NDF: 2042090.3/17

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.655+/-0.000 χ^2/NDF: 3334850.0/21

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

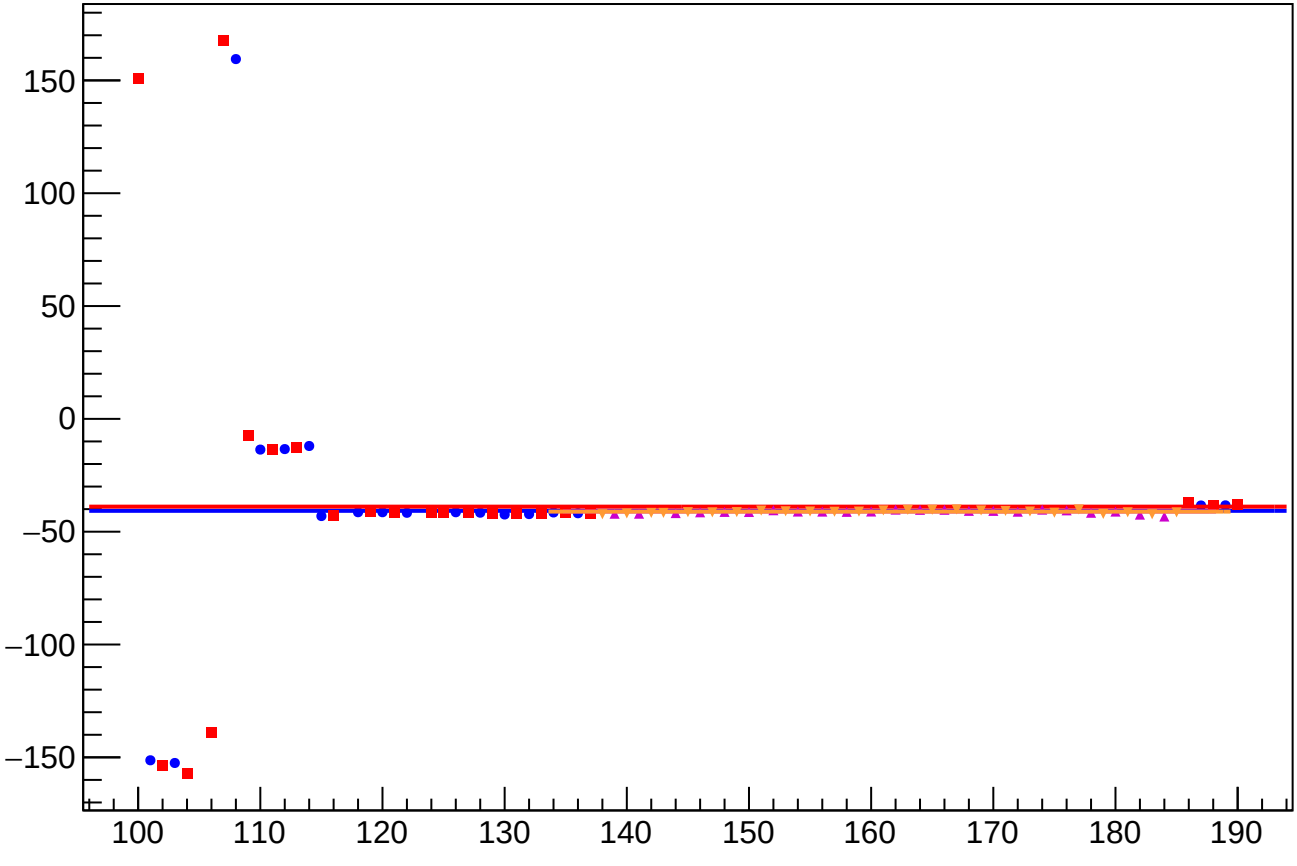
Right: 0.614+/-0.000 χ^2/NDF: 5469539.5/39

In: 0.528+/-0.000 χ^2/NDF:2902074.2/40

Out: 0.535+/-0.000 χ^2/NDF:4398669.6/46

All: 0.531+/-0.000 χ^2/NDF: 7305189.2/87

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.752+/-0.000 χ^2/NDF: 3461133542.2/17

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.899+/-0.000 χ^2/NDF: 2483836067.8/21

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

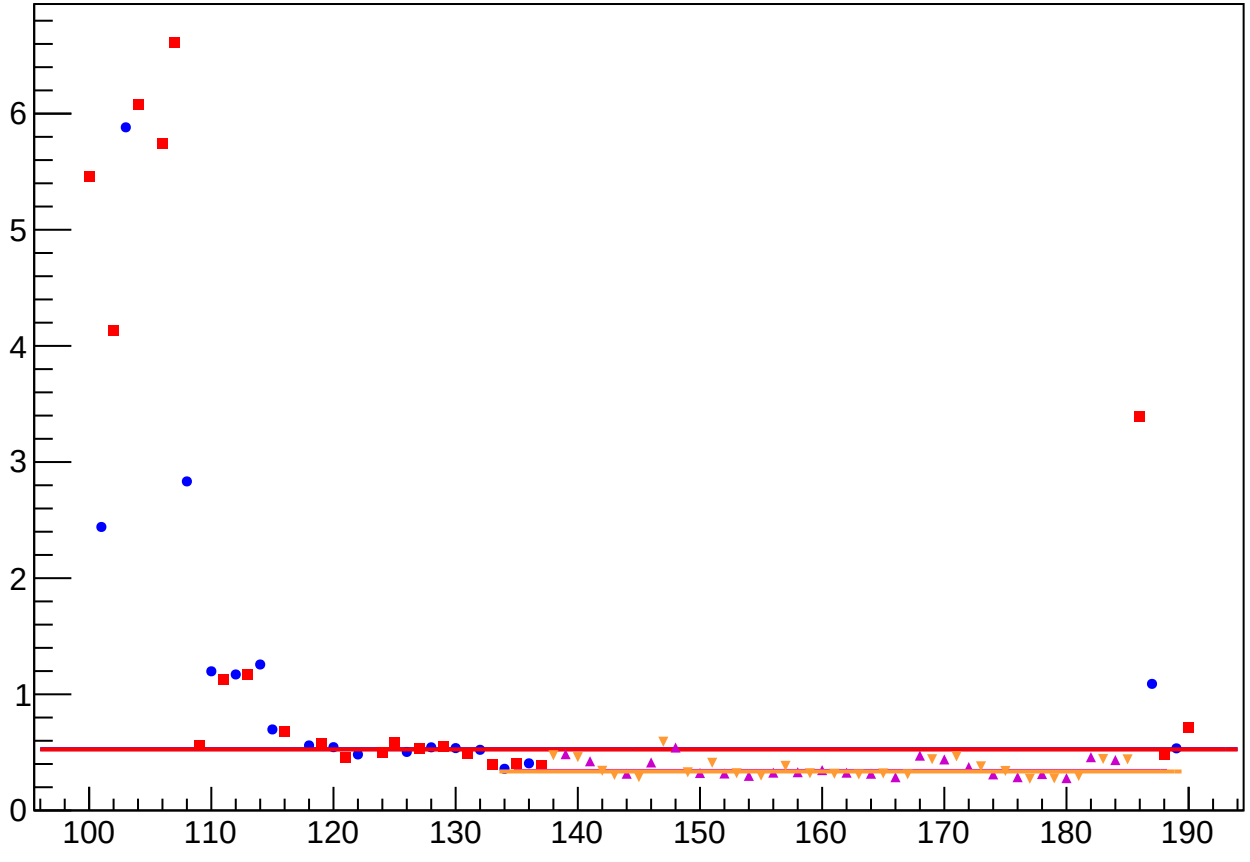
Right: -39.778+/-0.000 χ^2/NDF: 5981493822.5/39

In: -40.995+/-0.000 χ^2/NDF:3513884898.4/40

Out: -40.819+/-0.000 χ^2/NDF:2638585336.4/46

All: -40.903+/-0.000 χ^2/NDF: 6155163064.5/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.527+/-0.000 χ^2/NDF: 3046390.9/17

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.526+/-0.000 χ^2/NDF: 3872069.1/21

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

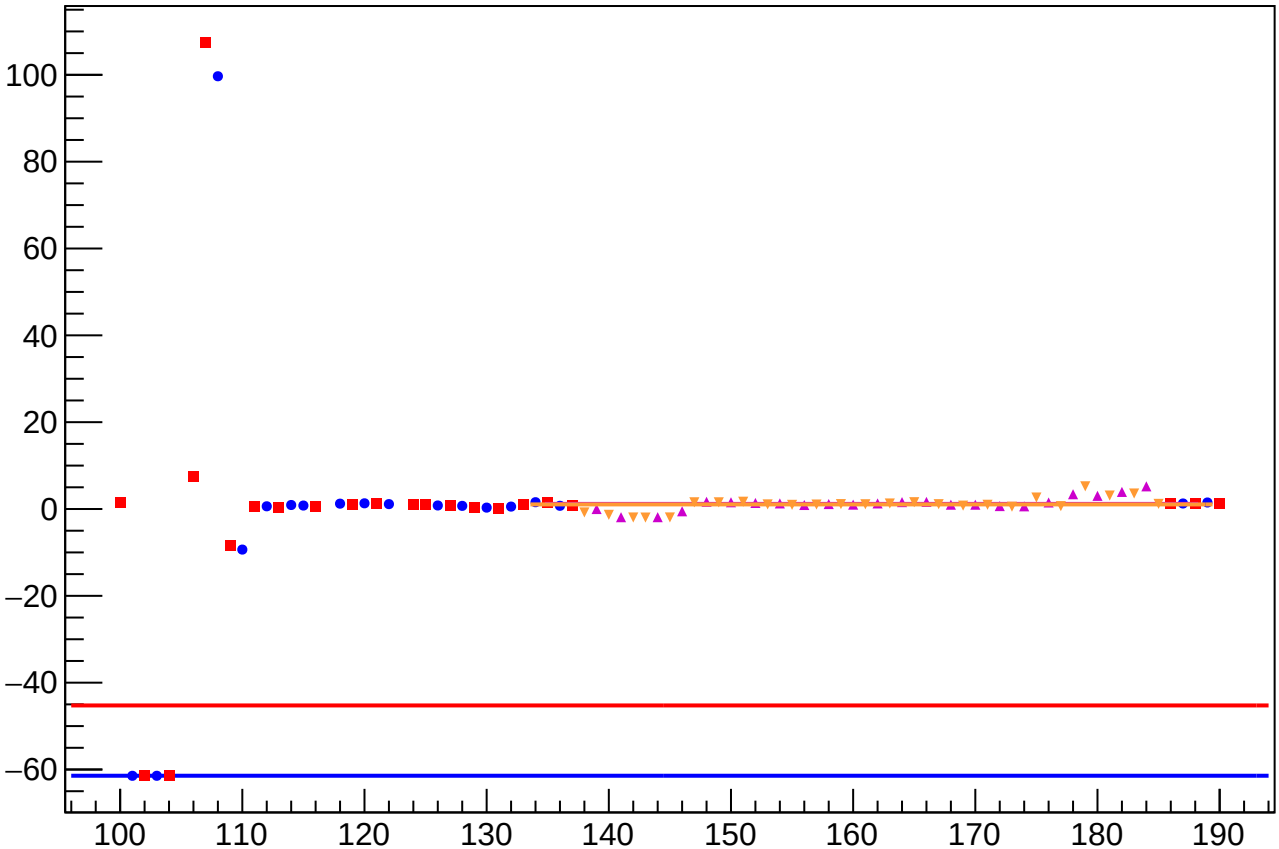
Right: 0.526+/-0.000 χ^2/NDF: 6918519.6/39

In: 0.363+/-0.000 χ^2/NDF:5355394.5/40

Out: 0.359+/-0.000 χ^2/NDF:6529234.0/46

All: 0.361+/-0.000 χ^2/NDF: 11887091.5/87

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 275400613265.7/17

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357873004139417.1/21

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

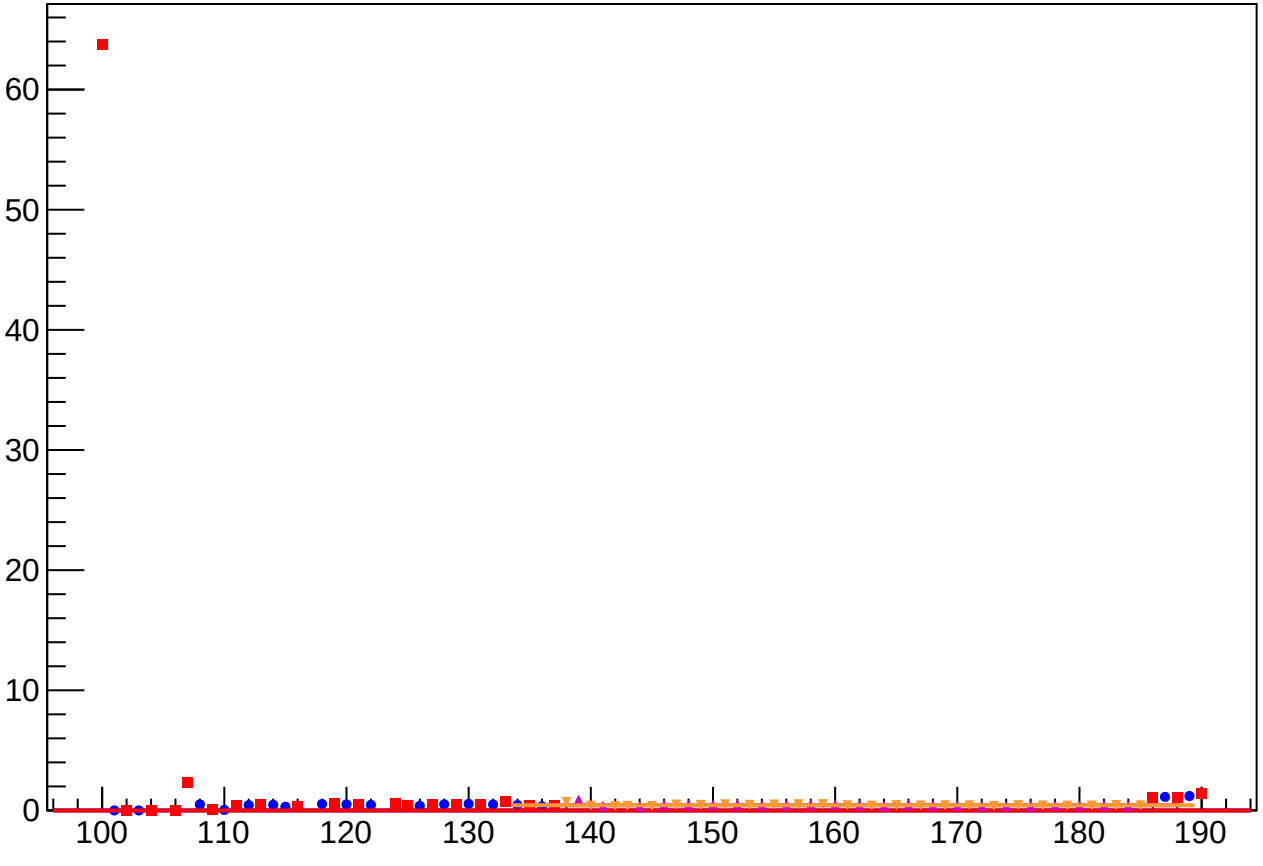
Right: -52.749+/-0.000 χ^2/NDF: 409126942729926

In: -61.423+/-0.000 χ^2/NDF:578266822287.5/40

Out: -45.236+/-0.000 χ^2/NDF:358054287405297.6

All: -52.738+/-0.000 χ^2/NDF: 409596357561

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10495315.7/17

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12577068.8/21

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

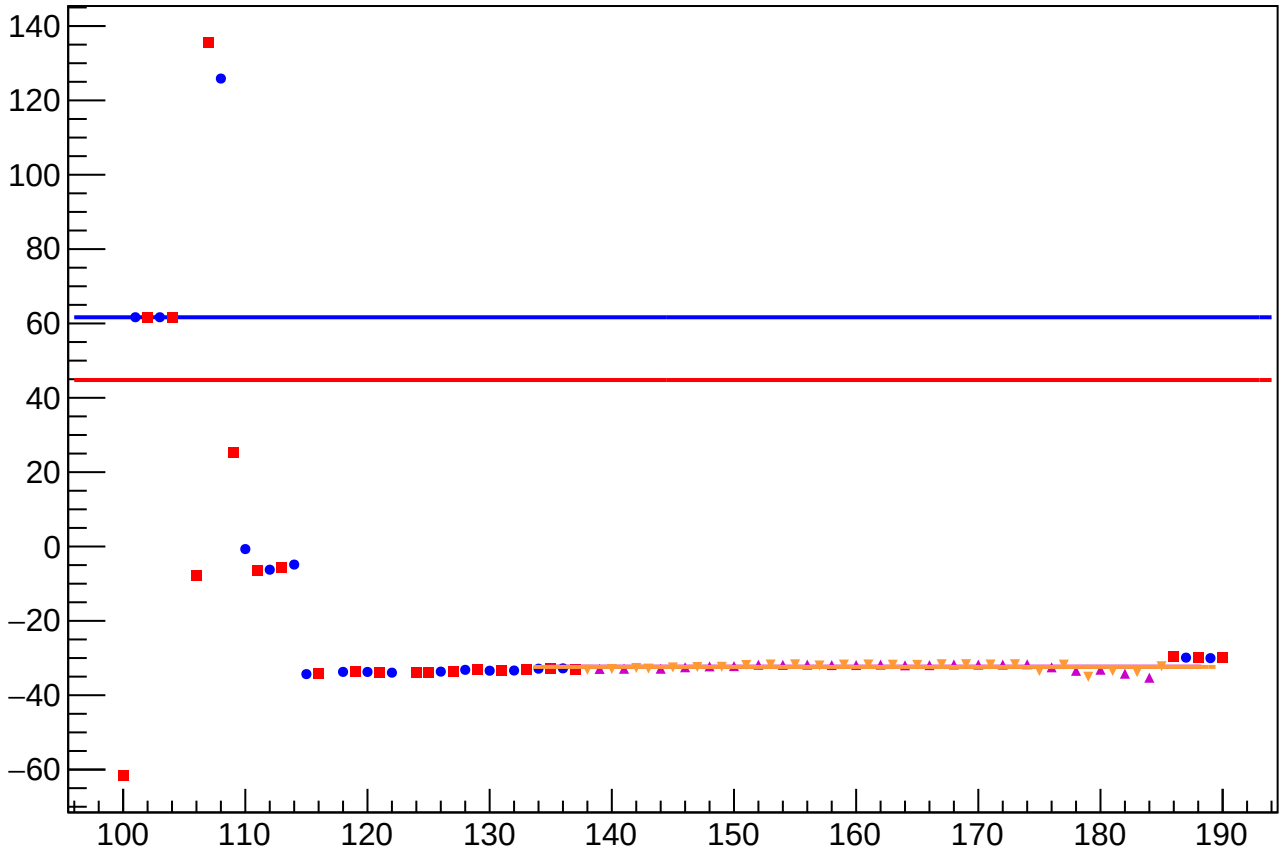
Right: 0.001+/-0.000 χ^2/NDF: 23072384.6/39

In: 0.002+/-0.000 χ^2/NDF:40637266.1/40

Out: 0.002+/-0.000 χ^2/NDF:44343678.8/46

All: 0.002+/-0.000 χ^2/NDF: 84980964.3/87

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.661+/-0.000 χ^2/NDF: 391705768908.0/17

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.784+/-0.000 χ^2/NDF: 366133229444841.0/21

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

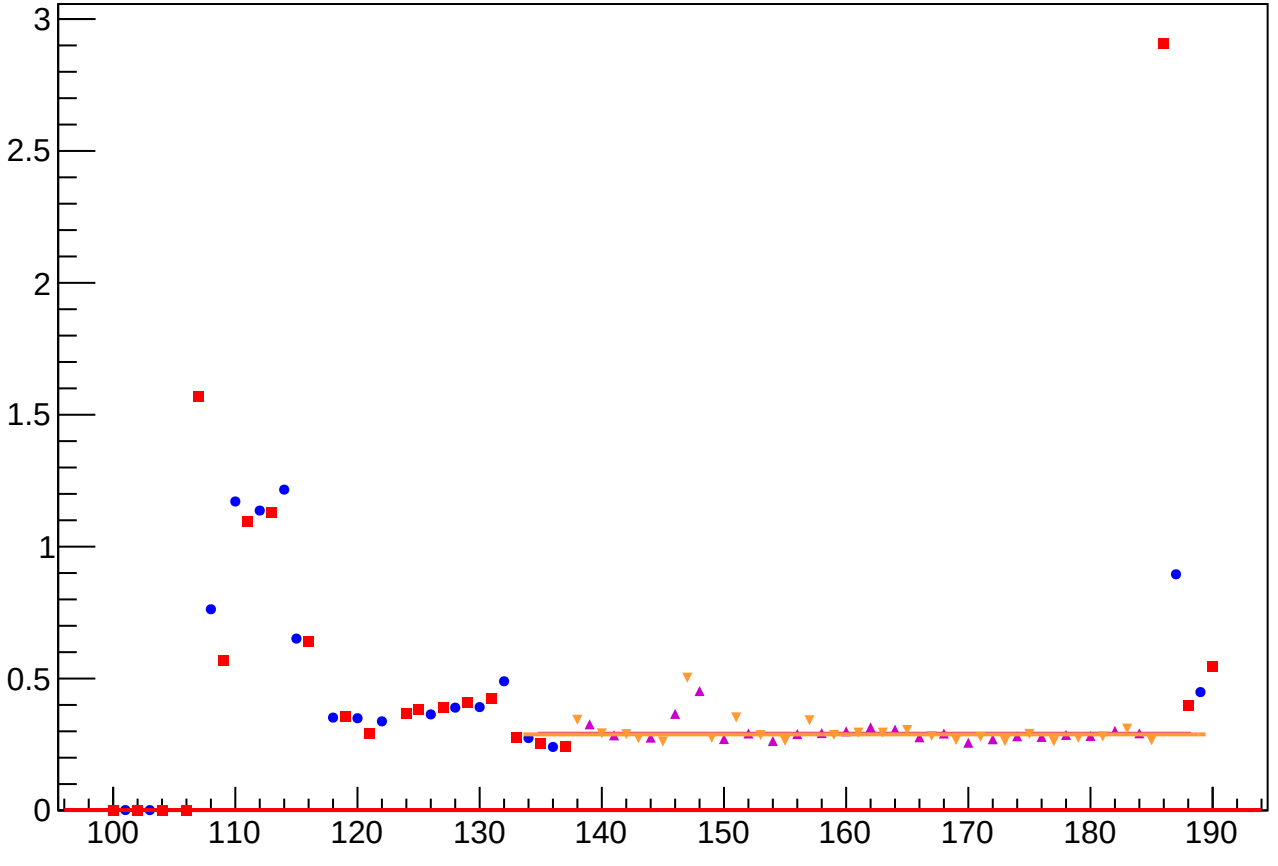
Right: 52.687+/-0.000 χ^2/NDF: 417633207887600.0

In: 61.604+/-0.000 χ^2/NDF:2215556546900.3/40

Out: 44.740+/-0.000 χ^2/NDF:367451778131165.8

All: 52.637+/-0.000 χ^2/NDF: 4207278403744

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 12349552.9/17

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13764942.6/21

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

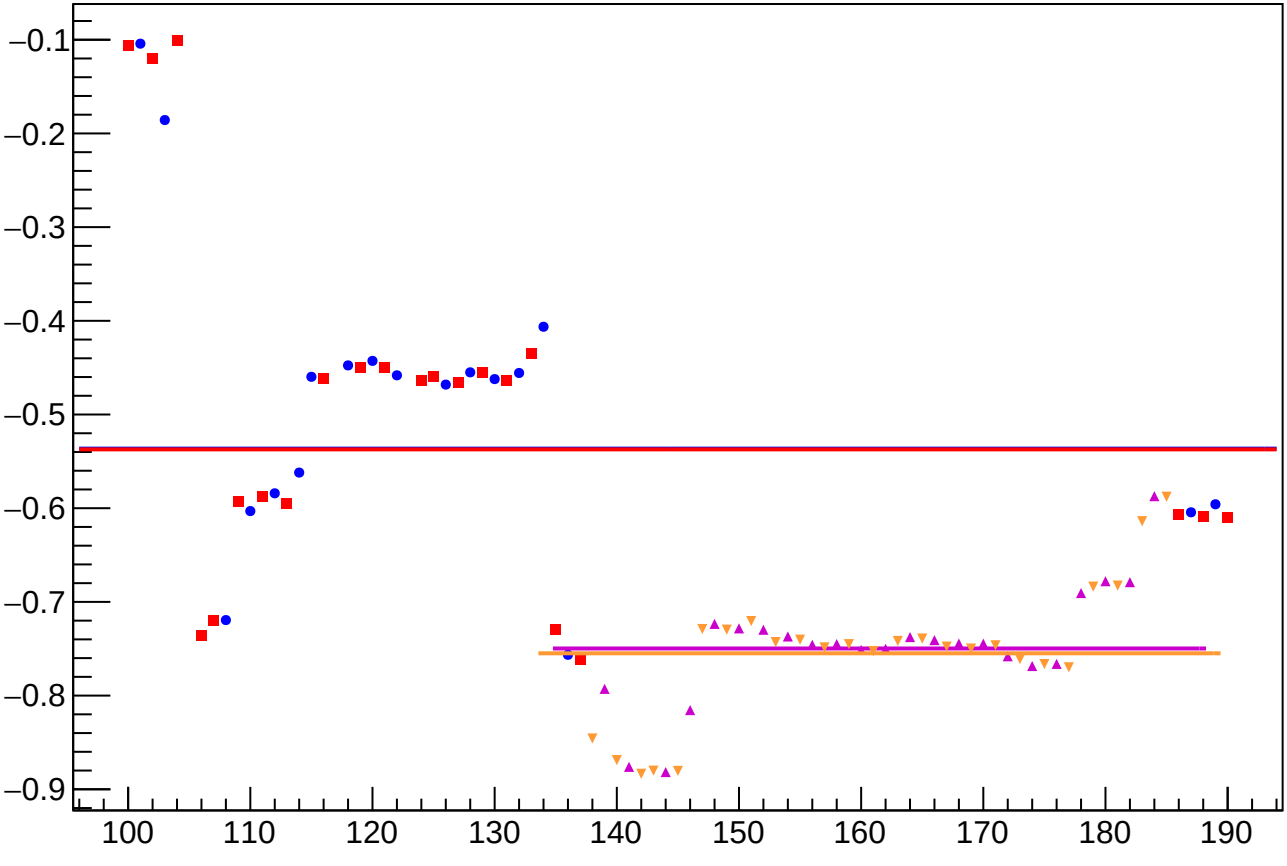
Right: 0.002+/-0.000 χ^2/NDF: 26114684.0/39

In: 0.002+/-0.000 χ^2/NDF:47259019.8/40

Out: 0.002+/-0.000 χ^2/NDF:50724362.7/46

All: 0.002+/-0.000 χ^2/NDF: 97983432.2/87

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.536+/-0.000 χ^2/NDF: 301891736.8/17

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.537+/-0.000 χ^2/NDF: 217818170.3/21

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

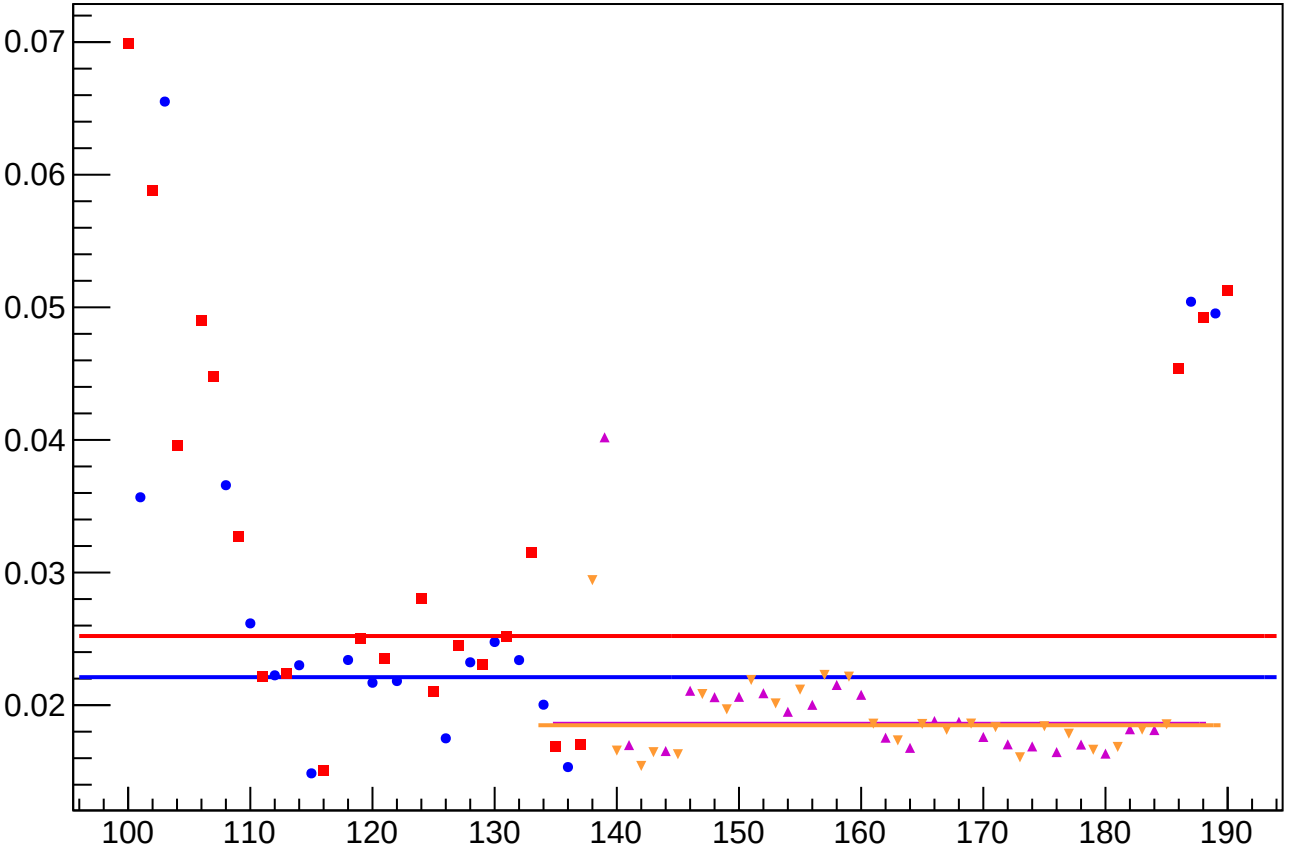
Right: -0.537+/-0.000 χ^2/NDF: 519713335.6/39

In: -0.703+/-0.000 χ^2/NDF:865529098.0/40

Out: -0.714+/-0.000 χ^2/NDF:840487368.4/46

All: -0.708+/-0.000 χ^2/NDF: 1709139868.6/8

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 1574470.2/17

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.025+/-0.000 χ^2/NDF: 2075085.4/21

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

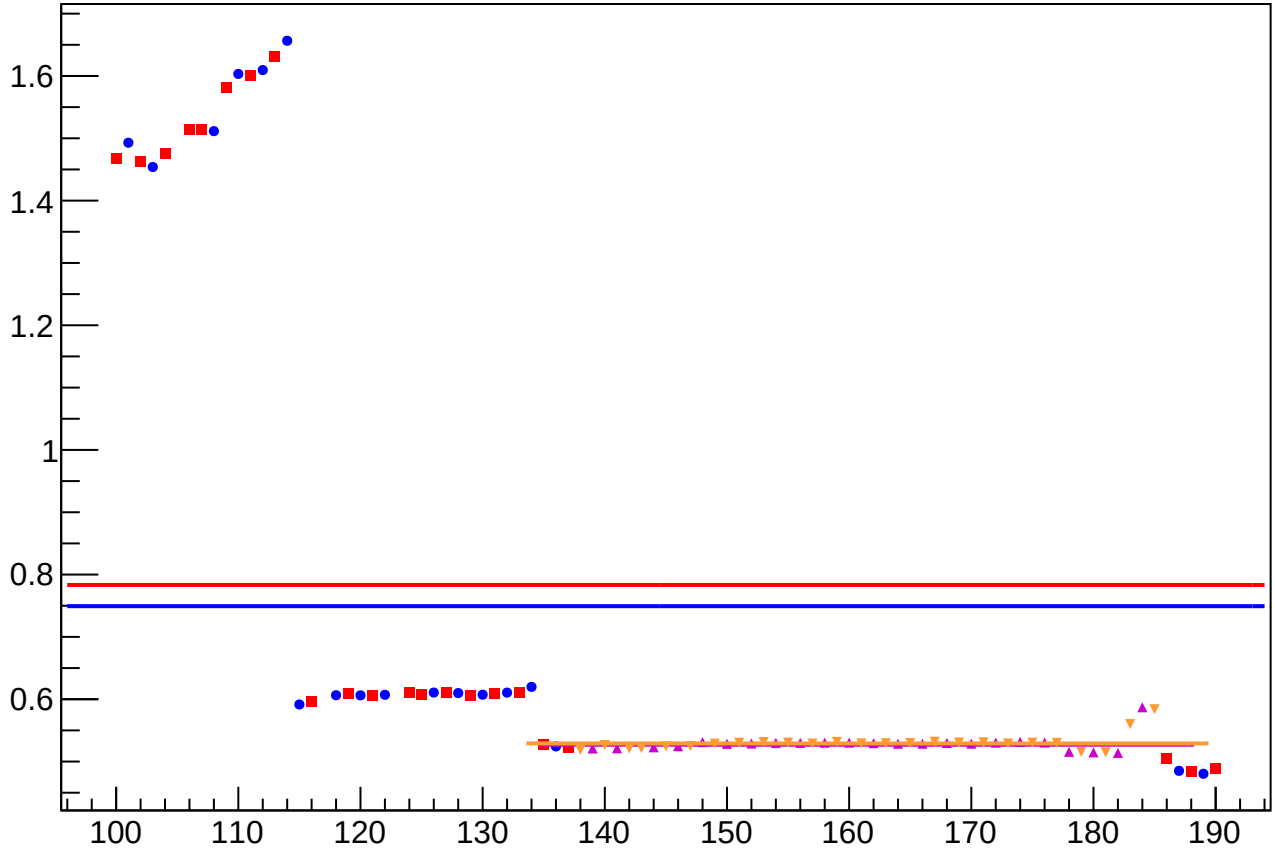
Right: 0.024+/-0.000 χ^2/NDF: 3757862.8/39

In: 0.019+/-0.000 χ^2/NDF:2543414.7/40

Out: 0.020+/-0.000 χ^2/NDF:3350163.7/46

All: 0.020+/-0.000 χ^2/NDF: 5902207.3/87

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.749+/-0.000 χ^2/NDF: 4386892863.9/17

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.783+/-0.000 χ^2/NDF: 5029041009.3/21

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

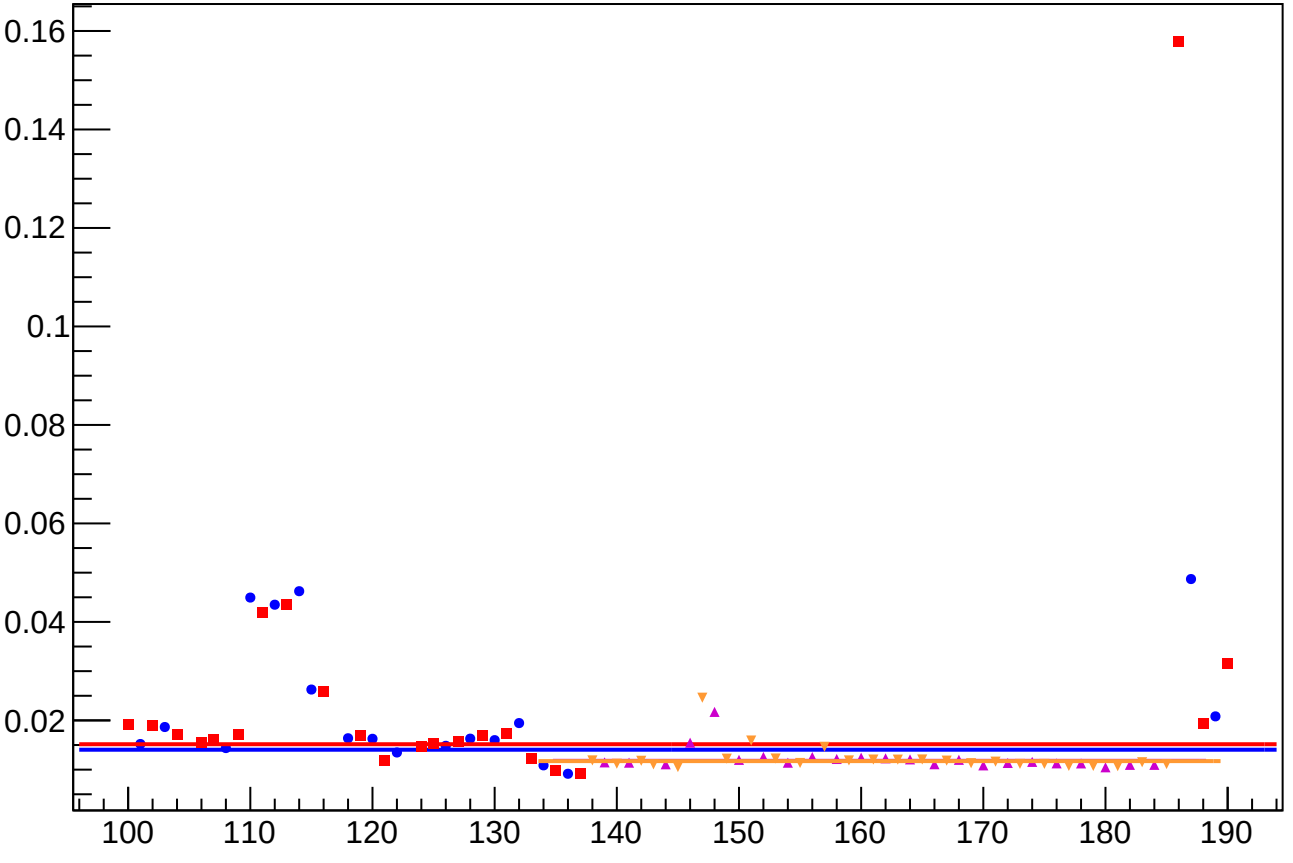
Right: 0.766+/-0.000 χ^2/NDF: 9434665147.3/39

In: 0.573+/-0.000 χ^2/NDF:5681553722.4/40

Out: 0.578+/-0.000 χ^2/NDF:6718442555.1/46

All: 0.575+/-0.000 χ^2/NDF: 12402337752.2/8

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1931973.1/17

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2351473.5/21

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

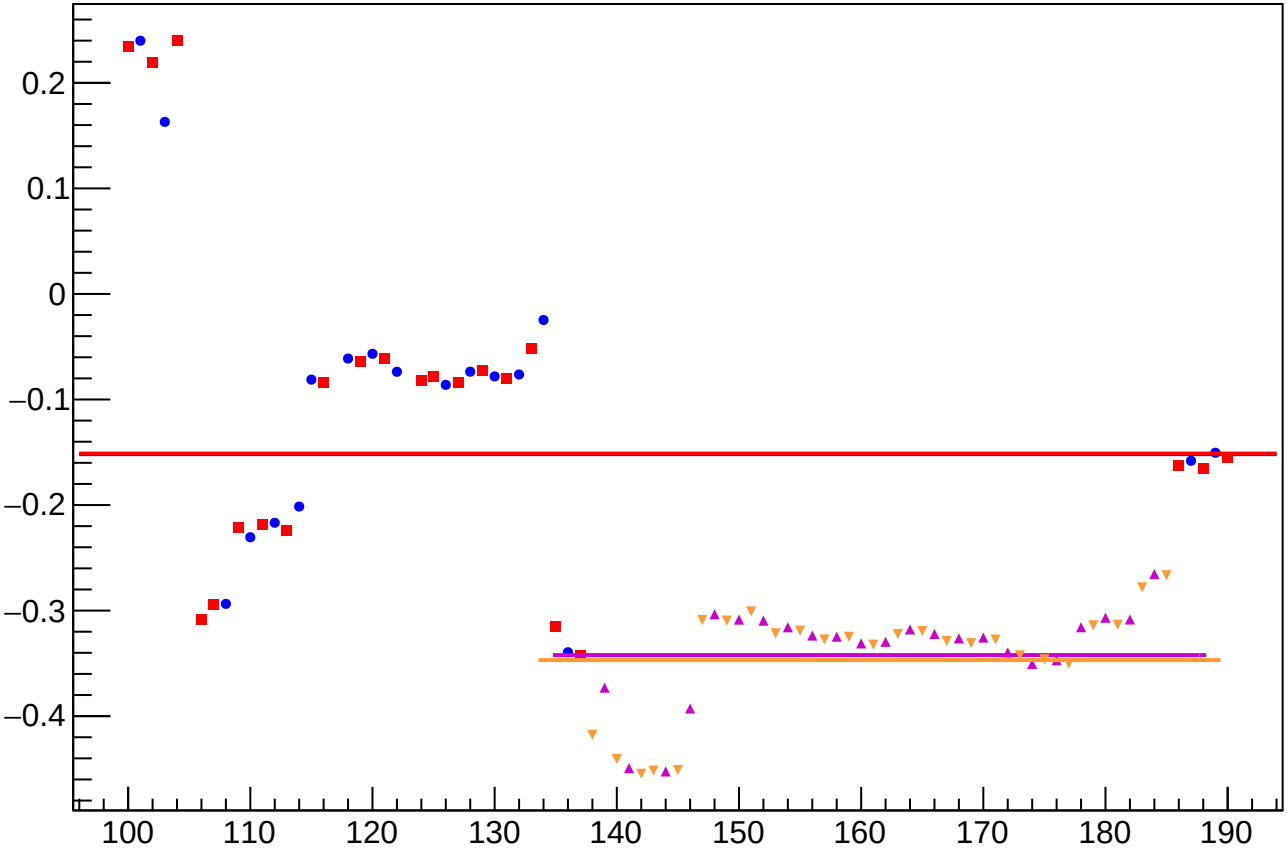
Right: 0.015+/-0.000 χ^2/NDF: 4323607.5/39

In: 0.012+/-0.000 χ^2/NDF:2715839.5/40

Out: 0.012+/-0.000 χ^2/NDF:3659227.1/46

All: 0.012+/-0.000 χ^2/NDF: 6378251.8/87

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276794717.4/17

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199509394.8/21

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

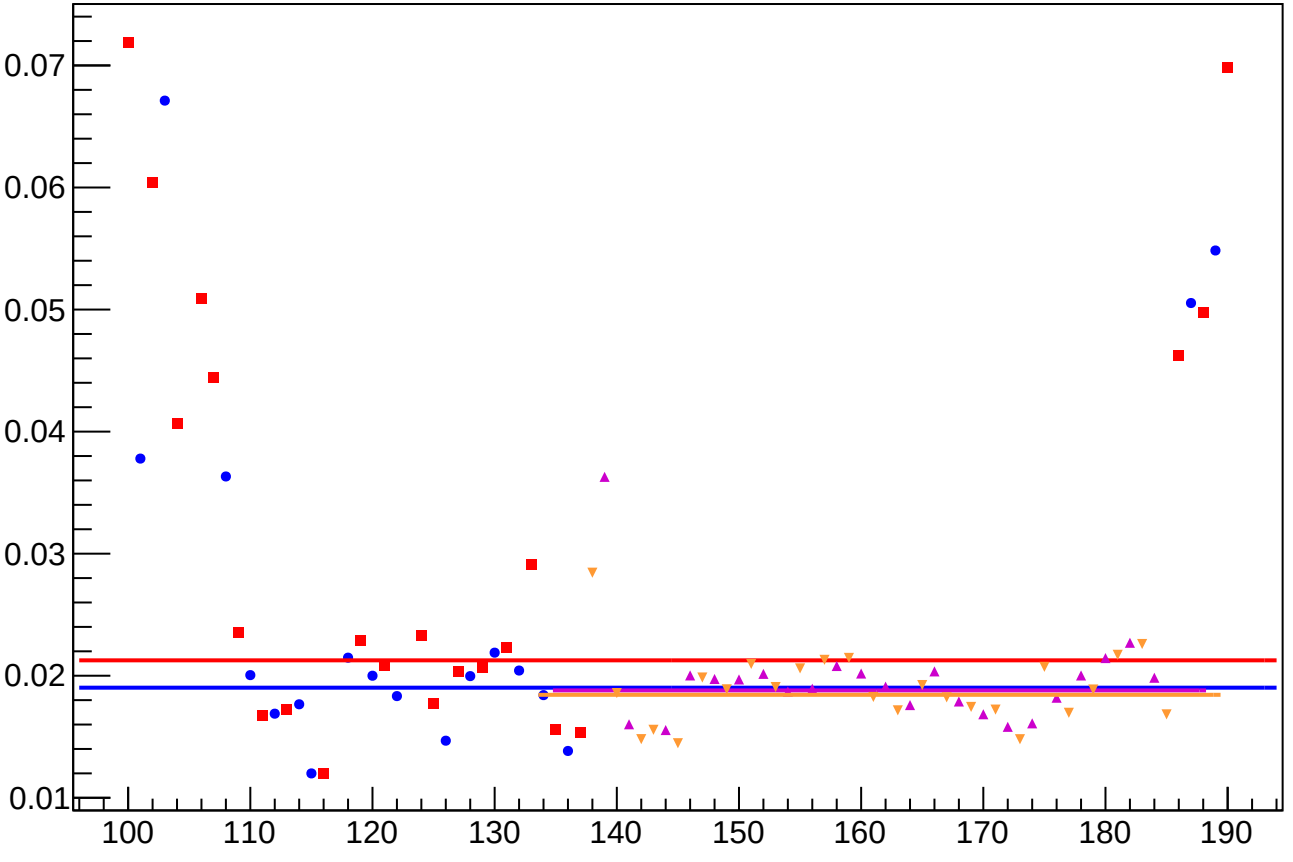
Right: -0.152+/-0.000 χ^2/NDF: 476306375.7/39

In: -0.291+/-0.000 χ^2/NDF:779359864.6/40

Out: -0.301+/-0.000 χ^2/NDF:744977881.8/46

All: -0.296+/-0.000 χ^2/NDF: 1527330798.5/8

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1939073.6/17

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2735677.7/21

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

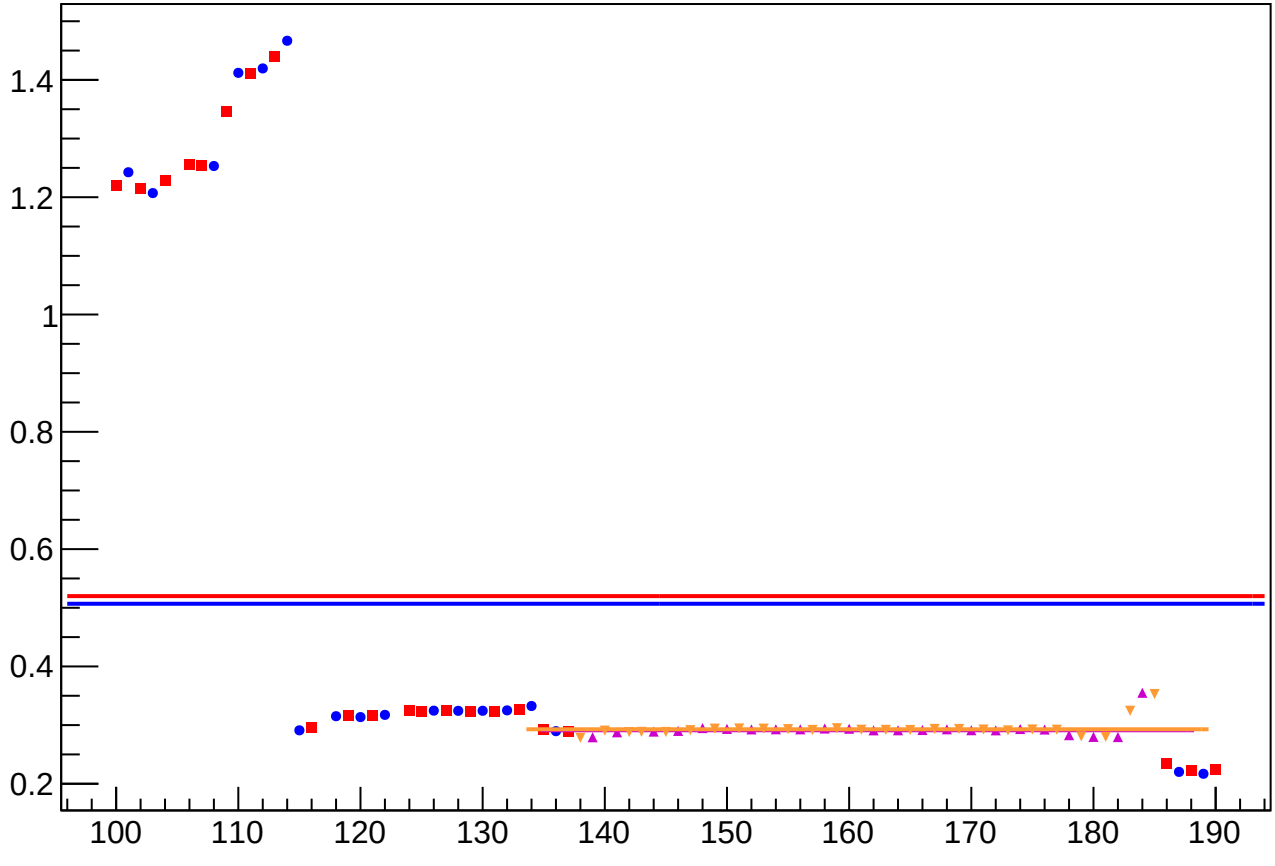
Right: 0.020+/-0.000 χ^2/NDF: 4749743.0/39

In: 0.019+/-0.000 χ^2/NDF:2658931.1/40

Out: 0.019+/-0.000 χ^2/NDF:3550577.6/46

All: 0.019+/-0.000 χ^2/NDF: 6212955.5/87

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.507+/-0.000 χ^2/NDF: 6476282160.0/17

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.520+/-0.000 χ^2/NDF: 7235461243.4/21

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

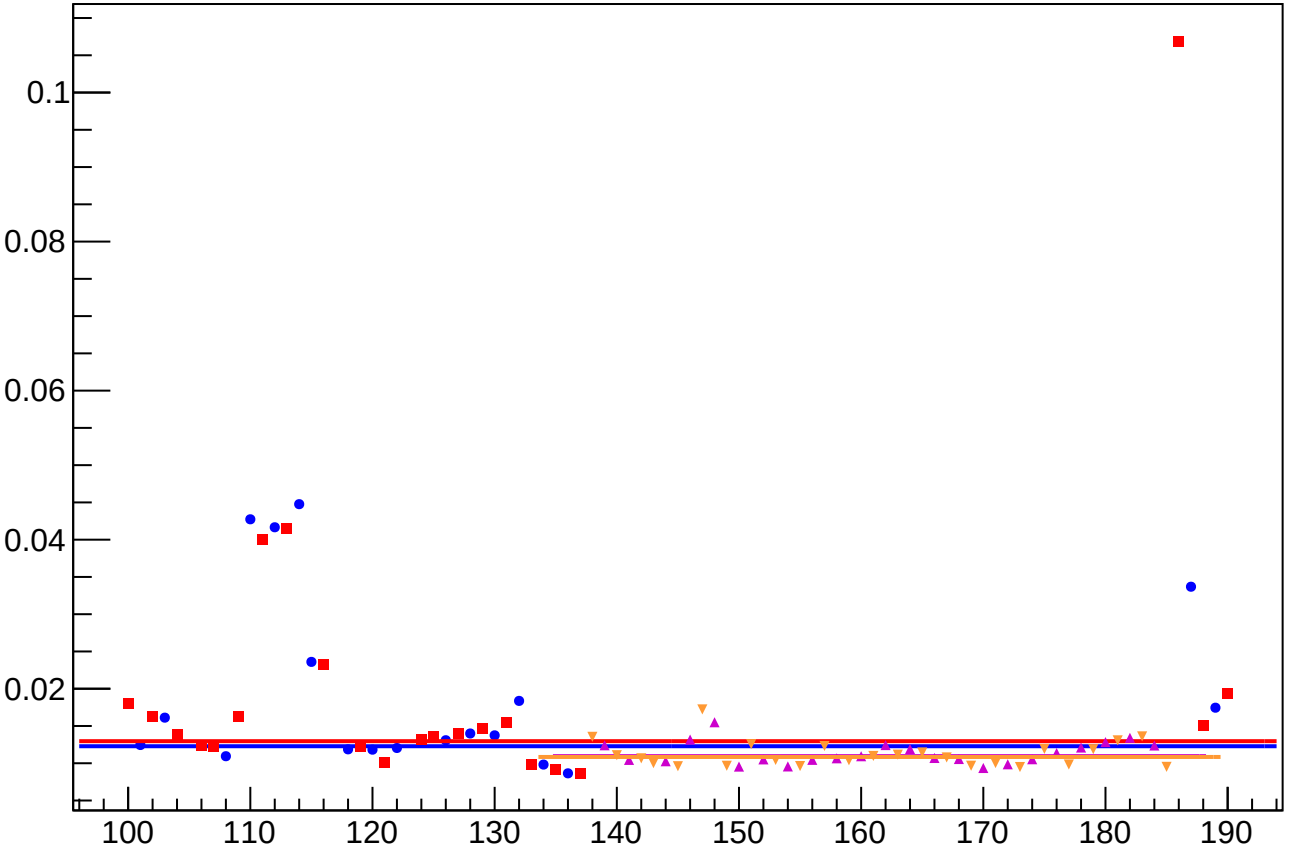
Right: 0.513+/-0.000 χ^2/NDF: 13715442222.5/39

In: 0.341+/-0.000 χ^2/NDF:8034489481.4/40

Out: 0.343+/-0.000 χ^2/NDF:9019765821.0/46

All: 0.342+/-0.000 χ^2/NDF: 17054650502.7/8

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1730381.3/17

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2145671.5/21

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

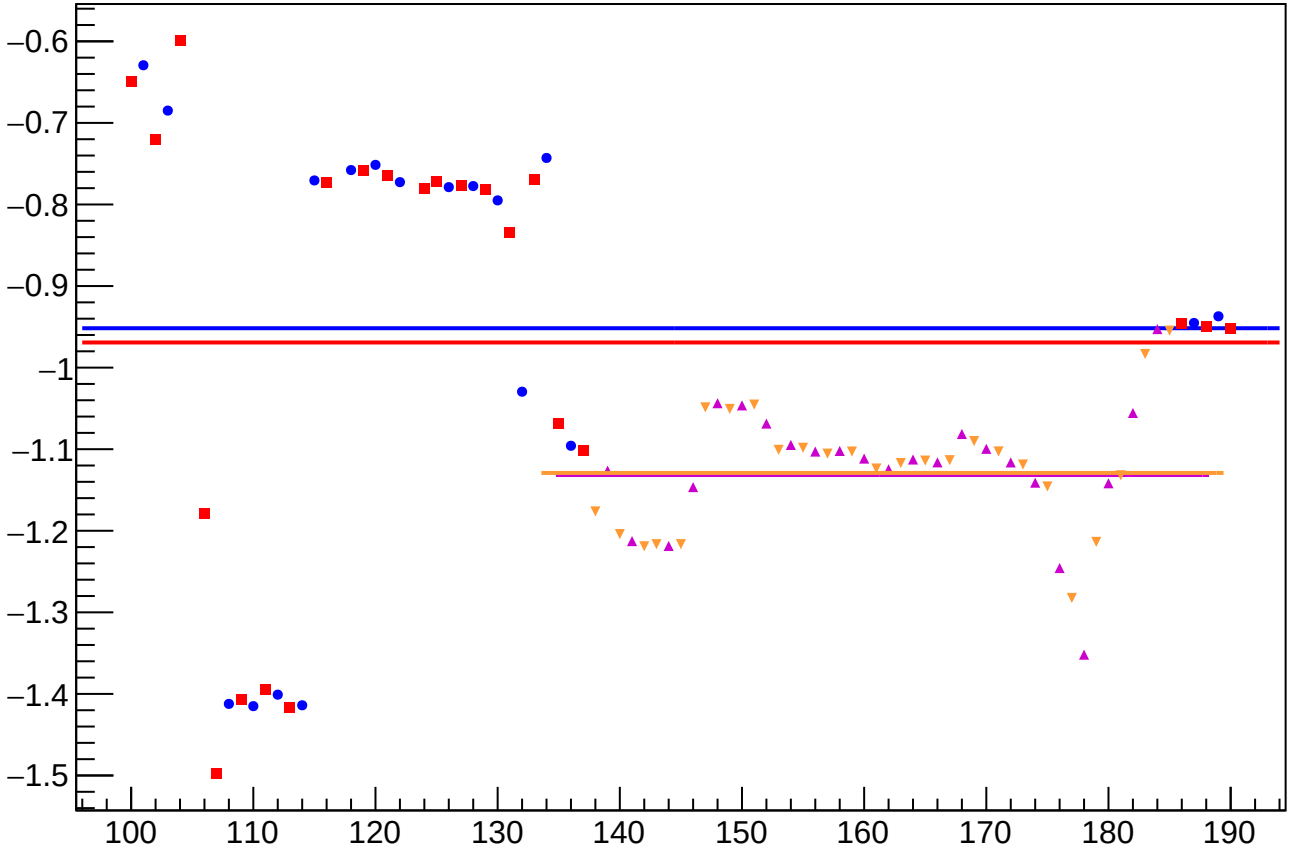
Right: 0.013+/-0.000 χ^2/NDF: 3896107.6/39

In: 0.011+/-0.000 χ^2/NDF:2359782.8/40

Out: 0.011+/-0.000 χ^2/NDF:3107487.2/46

All: 0.011+/-0.000 χ^2/NDF: 5467736.4/87

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699518127.7/17

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.969+/-0.000 χ^2/NDF: 714824679.0/21

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

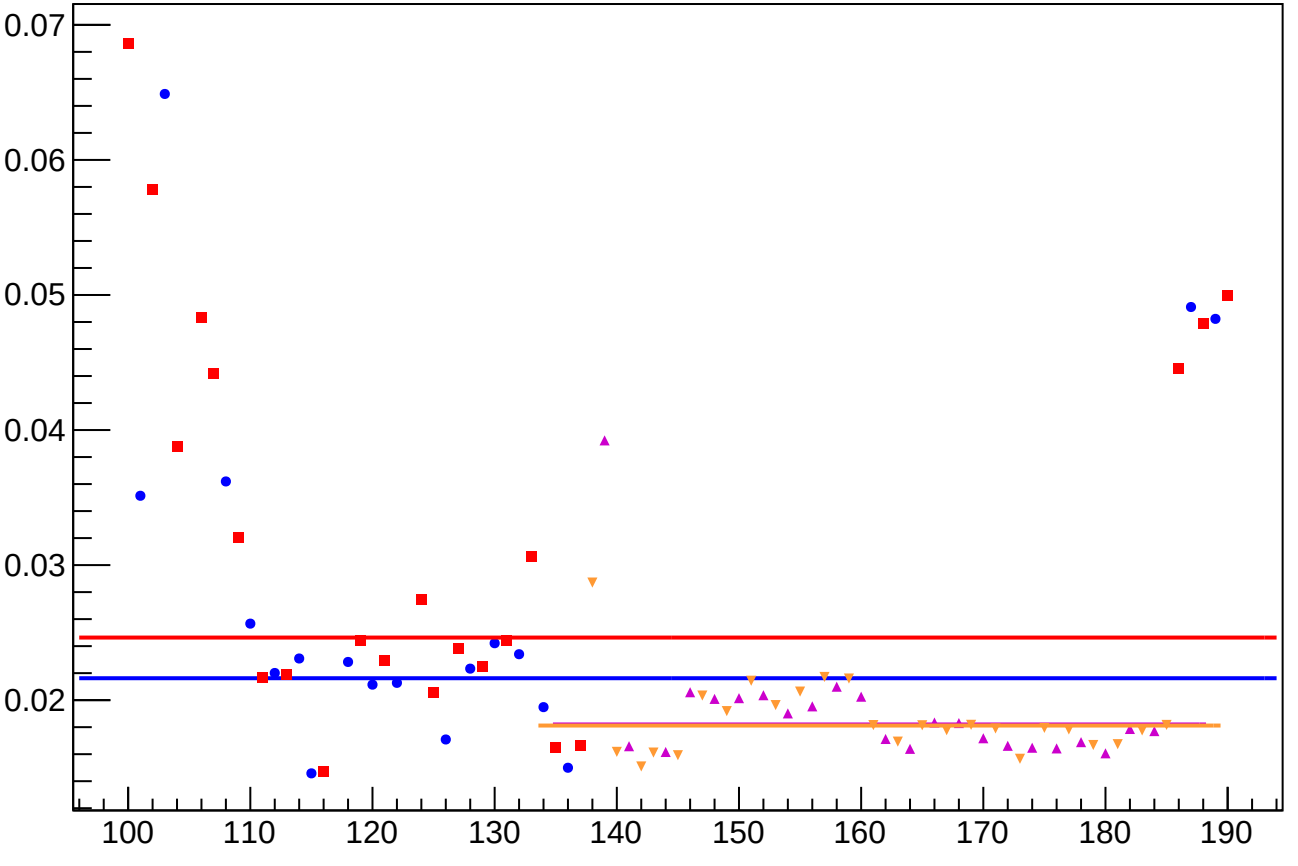
Right: -0.960+/-0.000 χ^2/NDF: 1416136997.0/39

In: -1.092+/-0.000 χ^2/NDF:1273846438.0/40

Out: -1.099+/-0.000 χ^2/NDF:1183988532.1/46

All: -1.096+/-0.000 χ^2/NDF: 2459032779.0/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 1584610.9/17

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.025+/-0.000 χ^2/NDF: 2076480.1/21

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

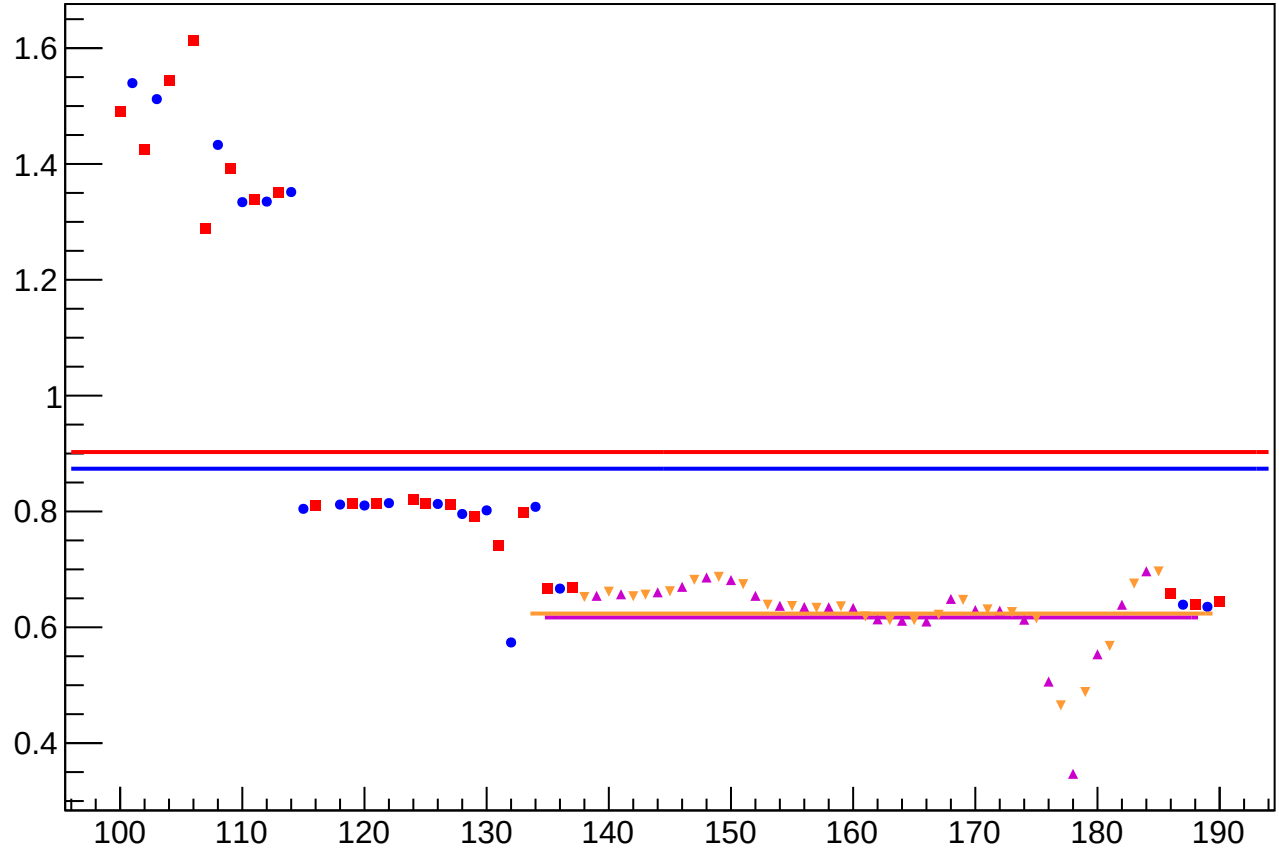
Right: 0.023+/-0.000 χ^2/NDF: 3767633.3/39

In: 0.019+/-0.000 χ^2/NDF:2536009.1/40

Out: 0.019+/-0.000 χ^2/NDF:3317317.6/46

All: 0.019+/-0.000 χ^2/NDF: 5862908.7/87

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.874+/-0.000 χ^2/NDF: 2849674382.0/17

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.903+/-0.000 χ^2/NDF: 2967213822.8/21

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

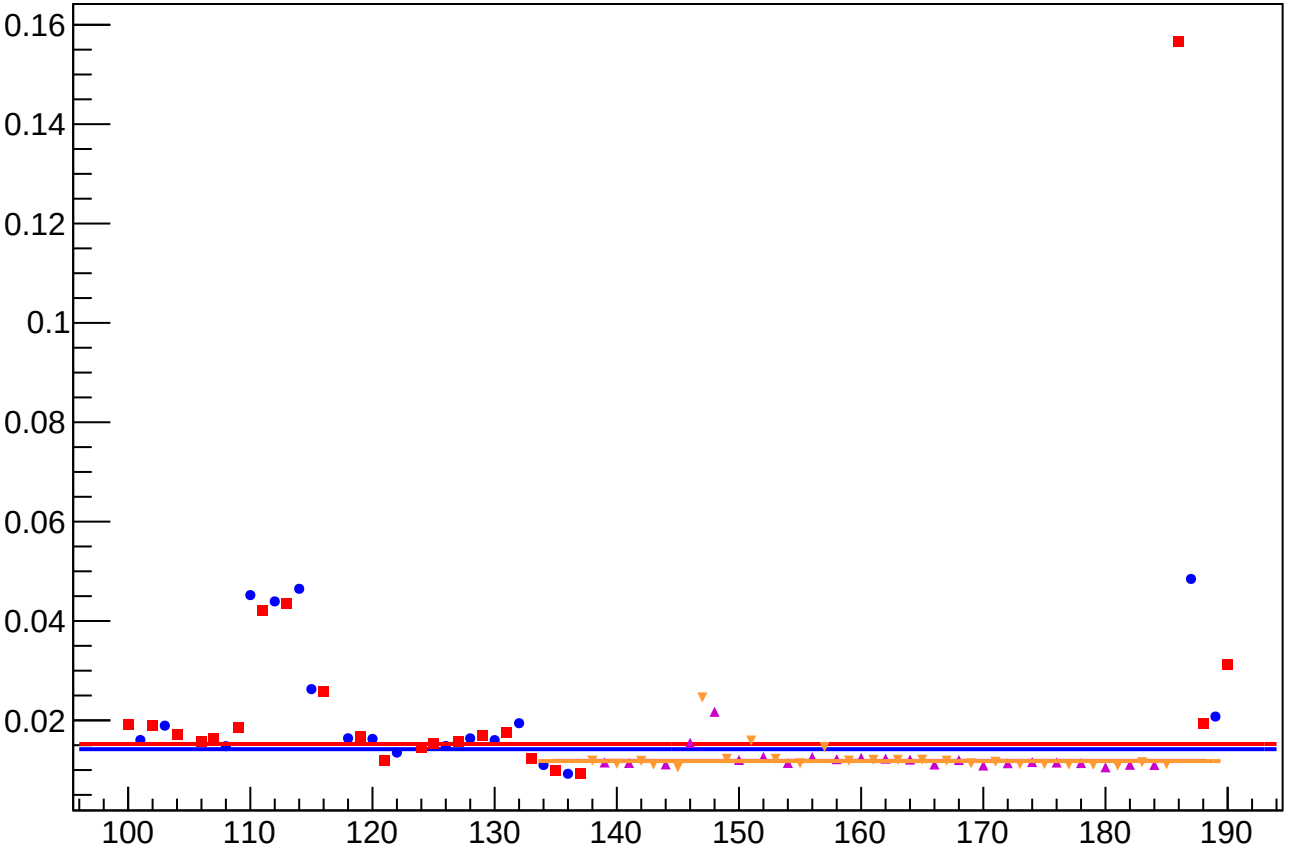
Right: 0.888+/-0.000 χ^2/NDF: 5830000778.0/39

In: 0.669+/-0.000 χ^2/NDF:5168855266.7/40

Out: 0.677+/-0.000 χ^2/NDF:5350322602.2/46

All: 0.673+/-0.000 χ^2/NDF: 10524574226.8/8

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1921339.4/17

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2350794.3/21

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

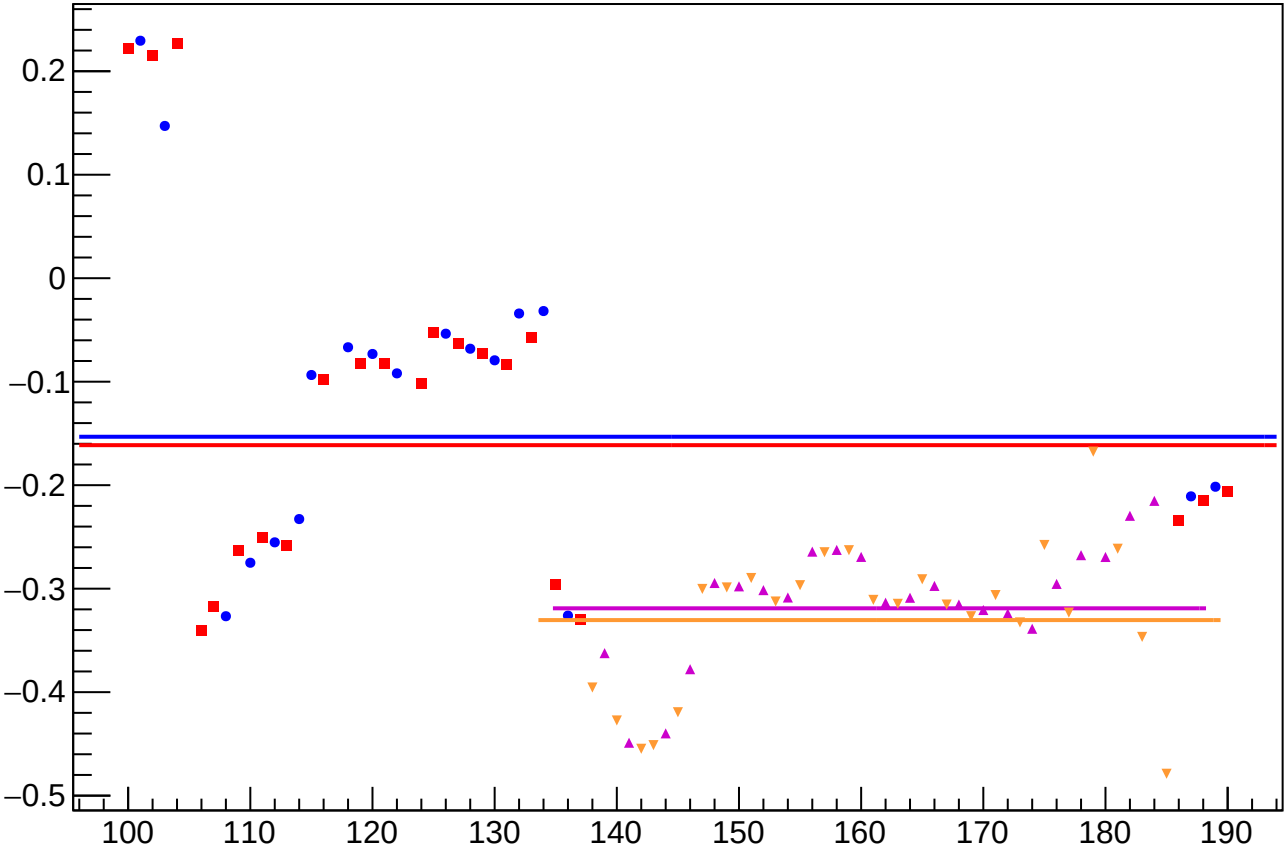
Right: 0.015+/-0.000 χ^2/NDF: 4307129.0/39

In: 0.012+/-0.000 χ^2/NDF:2711380.4/40

Out: 0.012+/-0.000 χ^2/NDF:3628959.8/46

All: 0.012+/-0.000 χ^2/NDF: 6343774.4/87

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 274866656.4/17

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.161+/-0.000 χ^2/NDF: 197782070.0/21

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

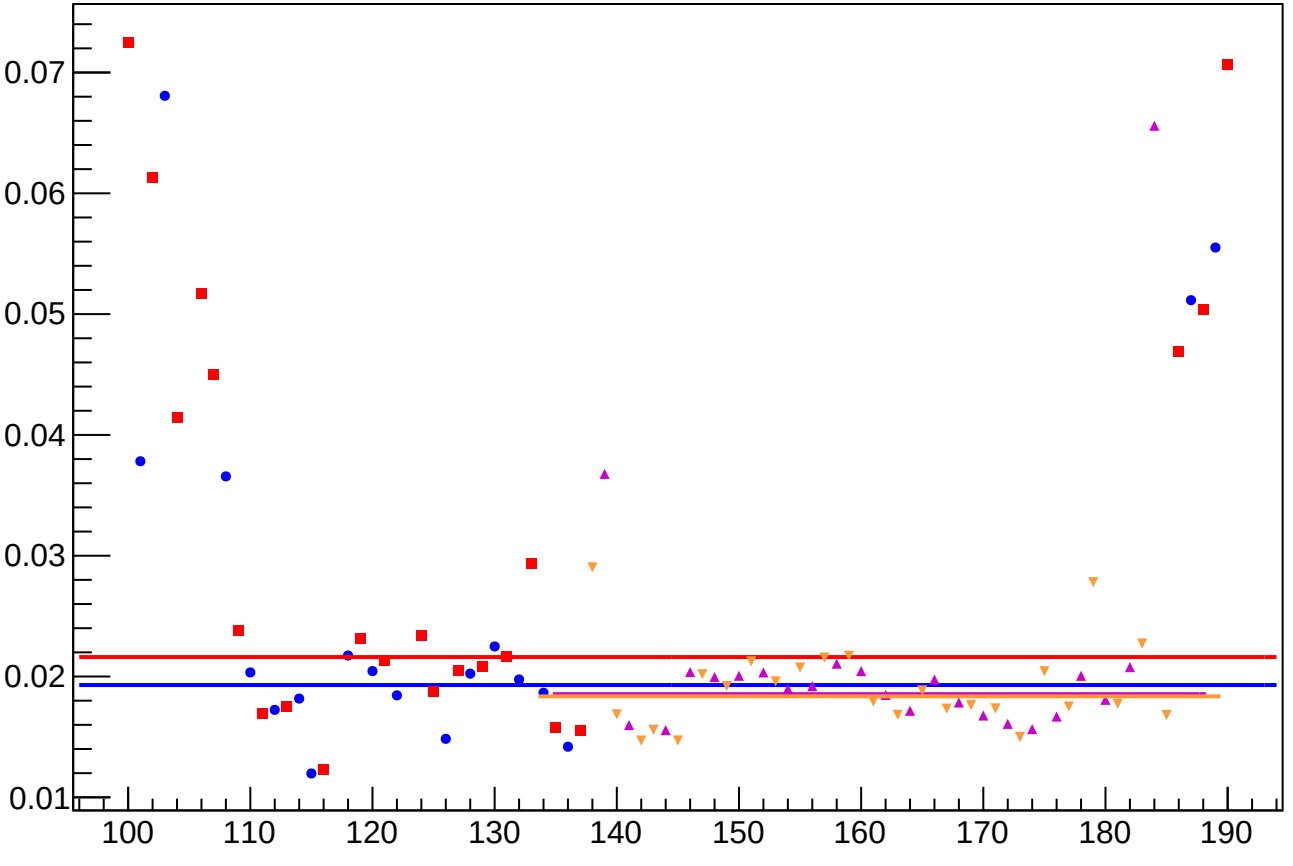
Right: -0.157+/-0.000 χ^2/NDF: 473128429.1/39

In: -0.275+/-0.000 χ^2/NDF:713258203.1/40

Out: -0.291+/-0.000 χ^2/NDF:684364727.7/46

All: -0.283+/-0.000 χ^2/NDF: 1404944631.8/8

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1914889.9/17

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.022+/-0.000 χ^2/NDF: 2711960.8/21

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

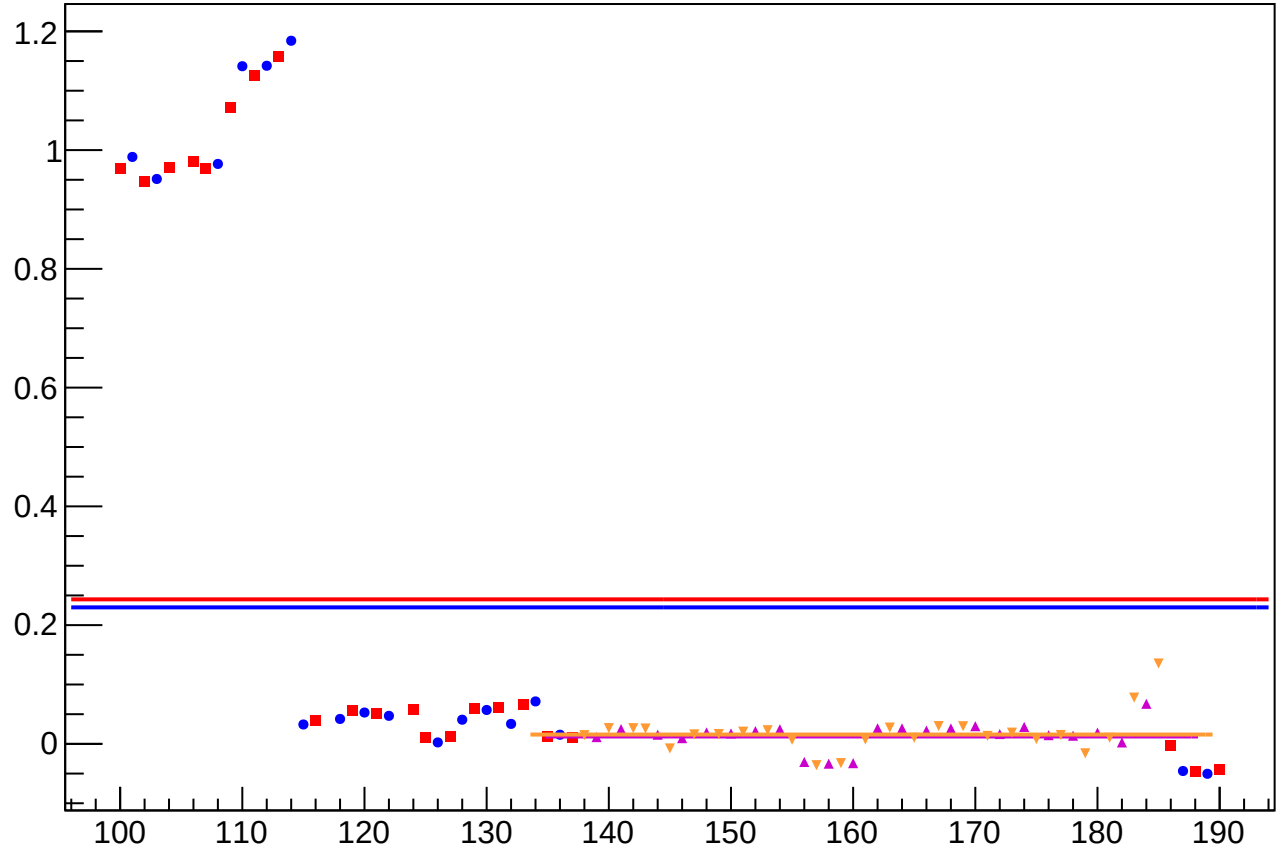
Right: 0.020+/-0.000 χ^2/NDF: 4704632.8/39

In: 0.019+/-0.000 χ^2/NDF:2861572.7/40

Out: 0.019+/-0.000 χ^2/NDF:3674272.8/46

All: 0.019+/-0.000 χ^2/NDF: 6544264.9/87

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.230+/-0.000 χ^2/NDF: 6659482910.6/17

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.243+/-0.000 χ^2/NDF: 7235046010.1/21

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

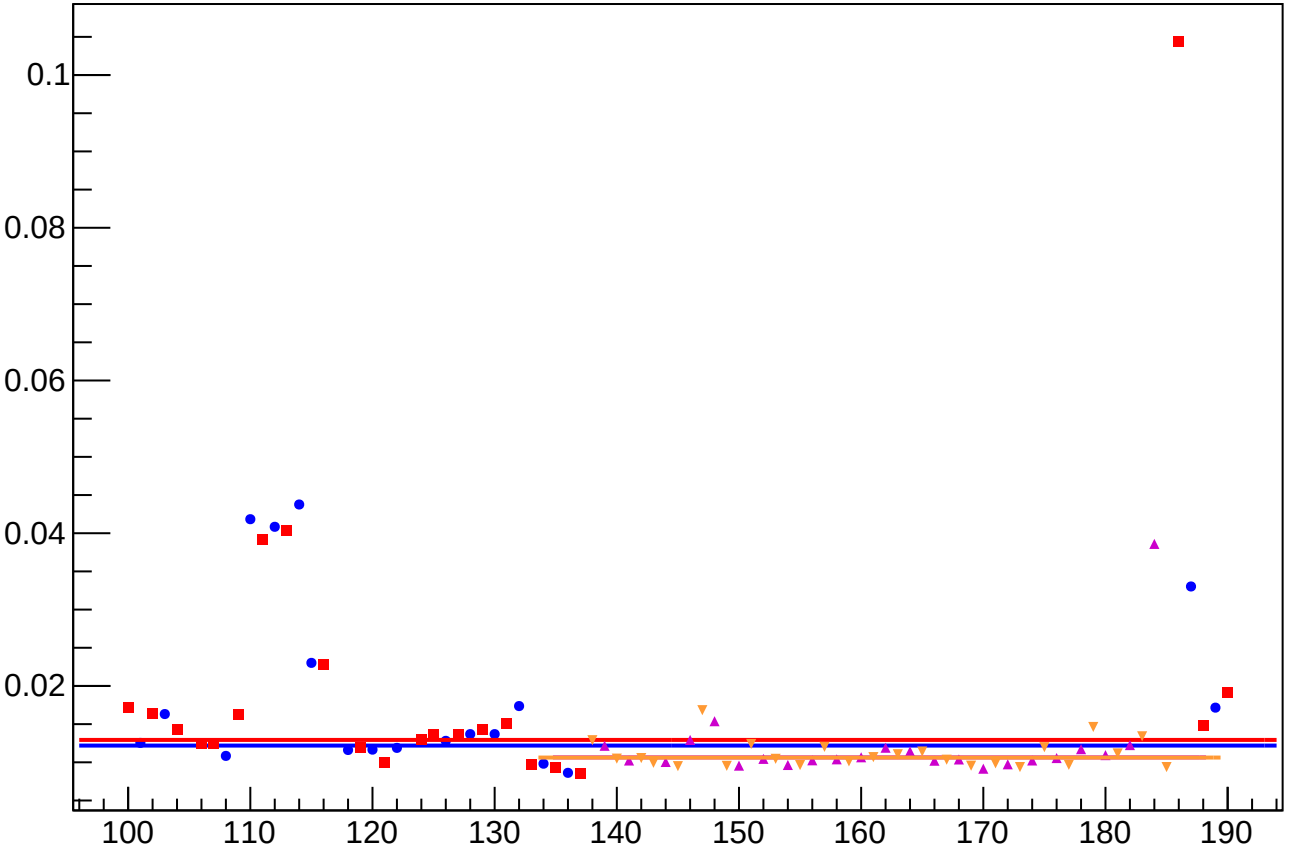
Right: 0.237+/-0.000 χ^2/NDF: 13898547883.0/39

In: 0.062+/-0.000 χ^2/NDF:8325650363.2/40

Out: 0.065+/-0.000 χ^2/NDF:9131641080.9/46

All: 0.064+/-0.000 χ^2/NDF: 17458699913.1/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1692135.2/17

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2090787.3/21

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

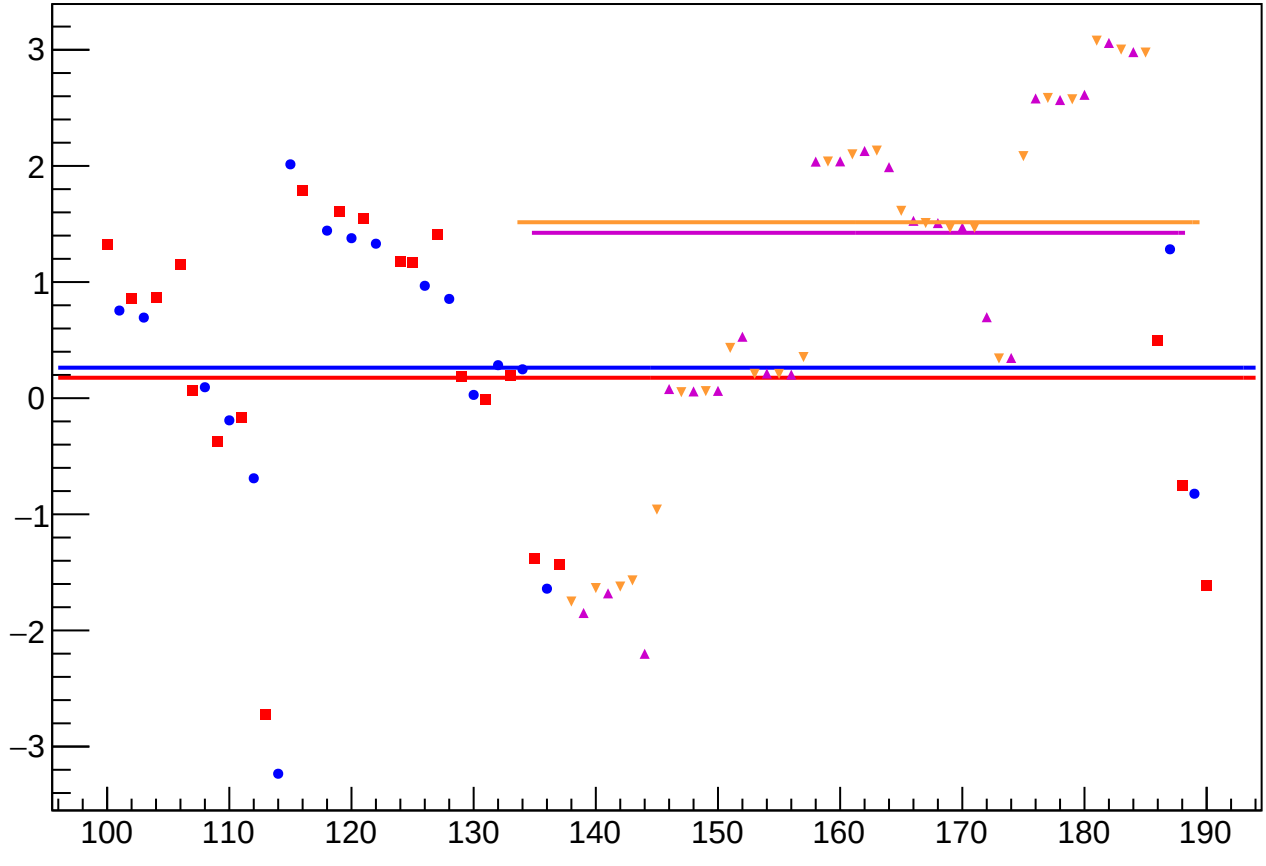
Right: 0.013+/-0.000 χ^2/NDF: 3807118.4/39

In: 0.011+/-0.000 χ^2/NDF:2427299.6/40

Out: 0.011+/-0.000 χ^2/NDF:3081749.4/46

All: 0.011+/-0.000 χ^2/NDF: 5512630.6/87

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.263+/-0.000 χ^2/NDF: 1950850411.4/17

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.176+/-0.000 χ^2/NDF: 2501621341.1/21

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

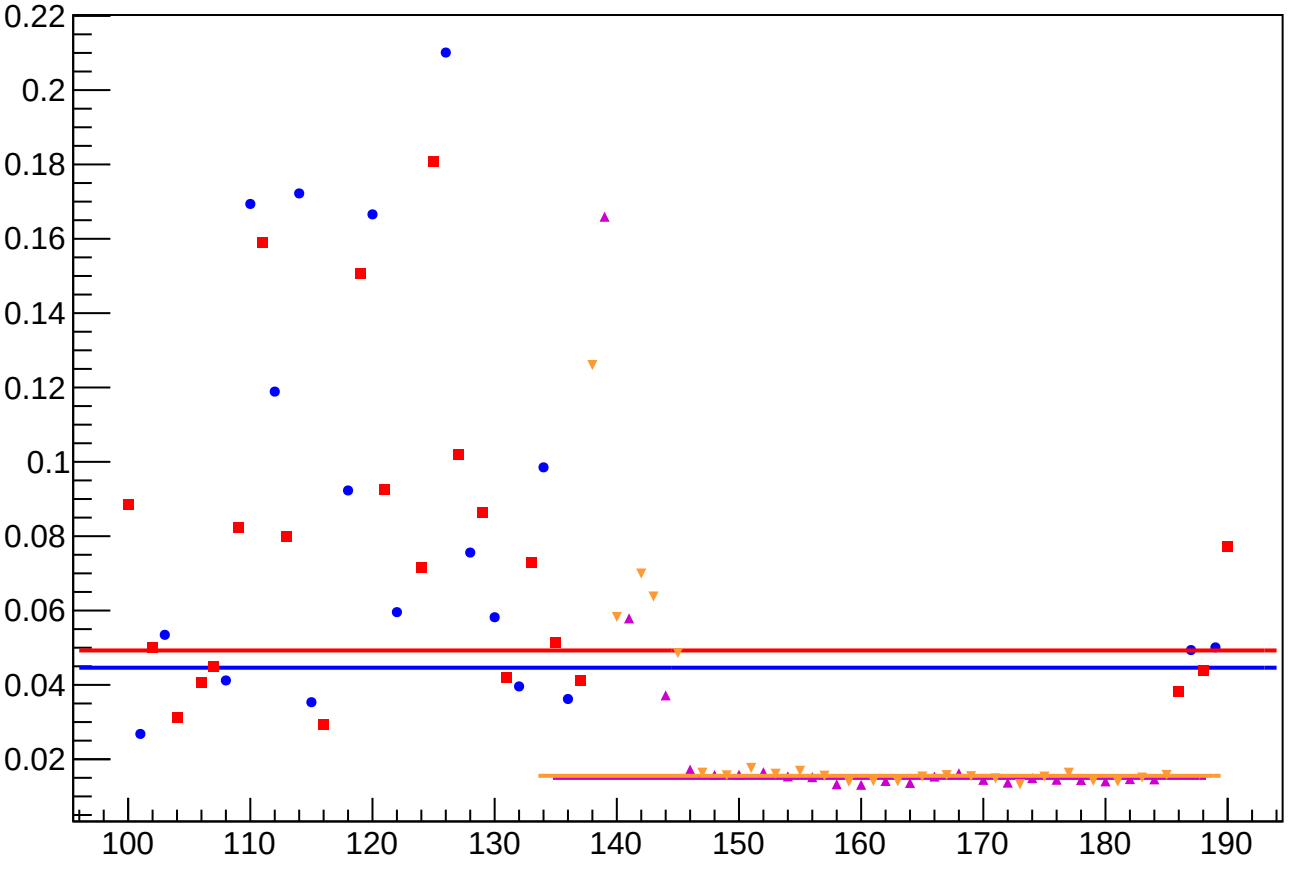
Right: 0.218+/-0.000 χ^2/NDF: 4461165429.1/39

In: 1.384+/-0.000 χ^2/NDF:72900184667.6/40

Out: 1.464+/-0.000 χ^2/NDF:74438301272.9/46

All: 1.423+/-0.000 χ^2/NDF: 147543290618.7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 2802748.3/17

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.049+/-0.000 χ^2/NDF: 2556147.3/21

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

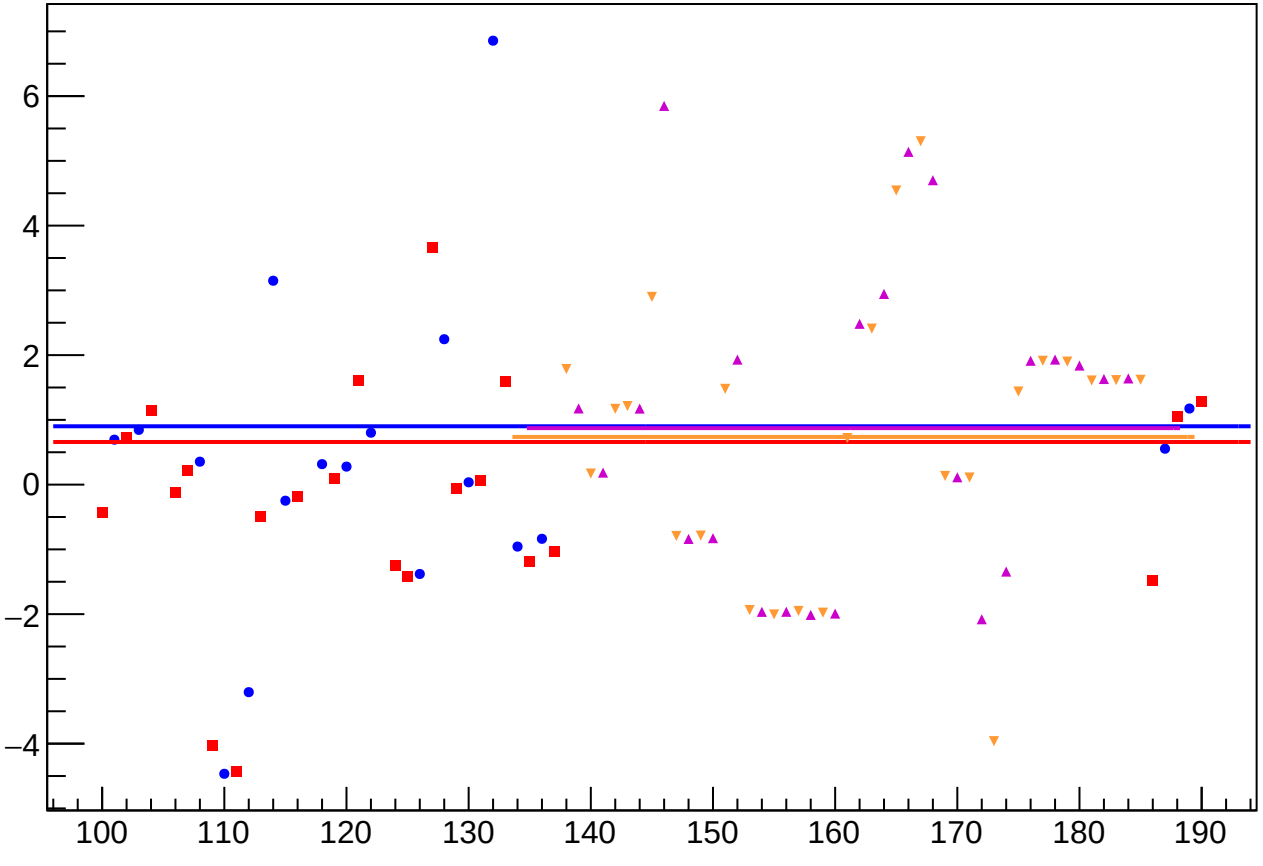
Right: 0.047+/-0.000 χ^2/NDF: 5408723.3/39

In: 0.016+/-0.000 χ^2/NDF:8768943.3/40

Out: 0.017+/-0.000 χ^2/NDF:10798442.7/46

All: 0.016+/-0.000 χ^2/NDF: 19611198.9/87

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.901+/-0.000 χ^2/NDF: 11650784719.0/17

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.659+/-0.000 χ^2/NDF: 5888541005.3/21

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

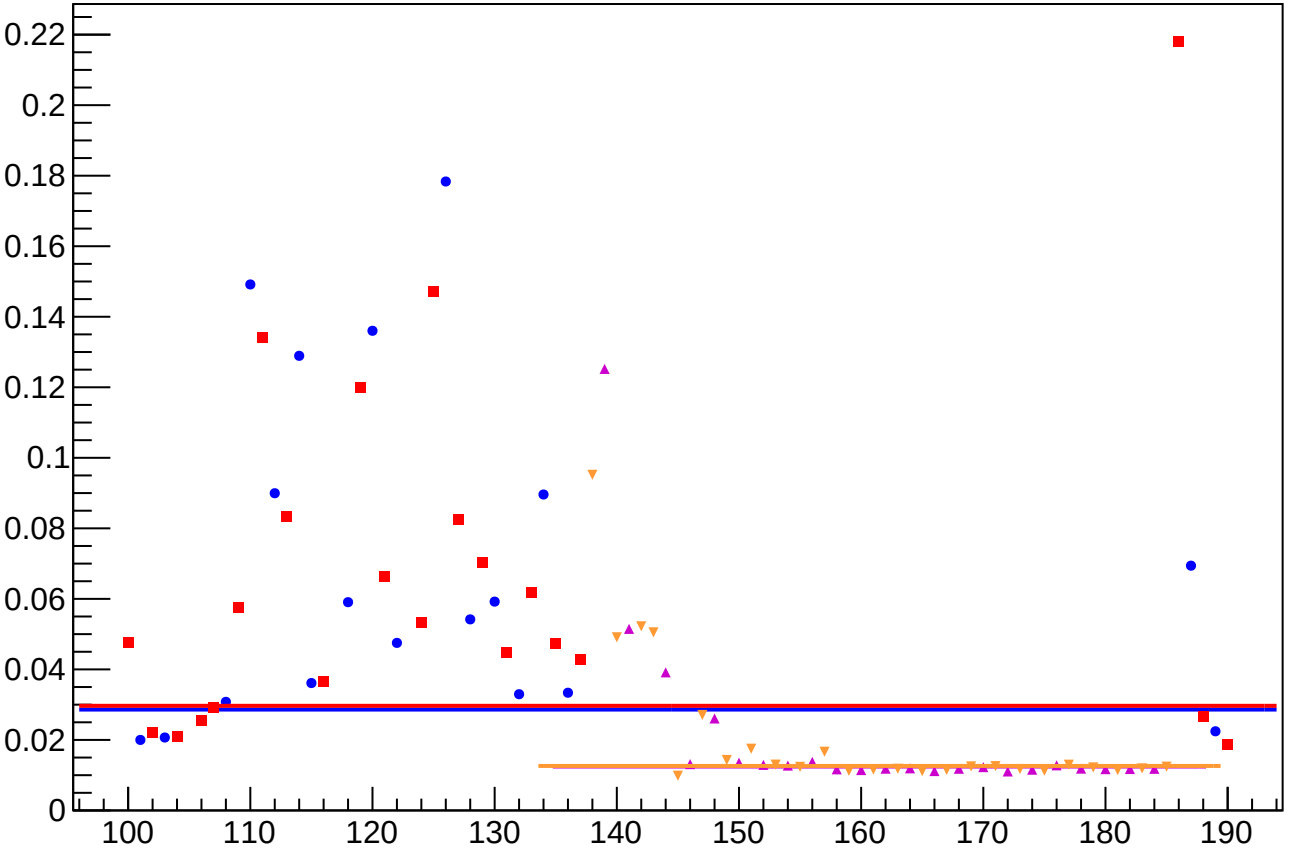
Right: 0.771+/-0.000 χ^2/NDF: 17699940642.4/39

In: 0.874+/-0.000 χ^2/NDF:631816096785.2/40

Out: 0.732+/-0.000 χ^2/NDF:541884774299.2/46

All: 0.803+/-0.000 χ^2/NDF: 1174750743264.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3379821.4/17

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 4160977.8/21

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

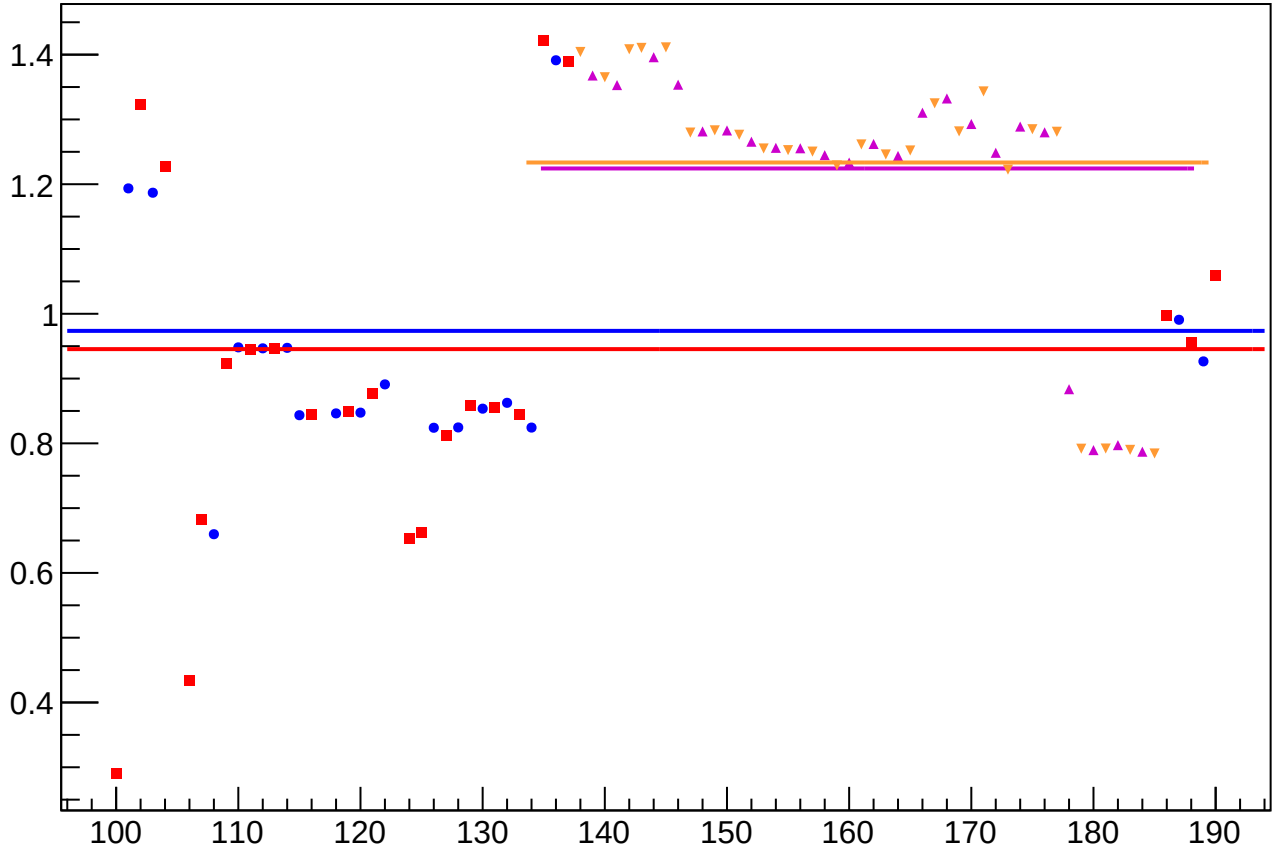
Right: 0.029+/-0.000 χ^2/NDF: 7546941.4/39

In: 0.013+/-0.000 χ^2/NDF:8668076.4/40

Out: 0.014+/-0.000 χ^2/NDF:10575886.0/46

All: 0.013+/-0.000 χ^2/NDF: 19255195.2/87

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1460350690.1/17

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.945+/-0.000 χ^2/NDF: 1675661517.6/21

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

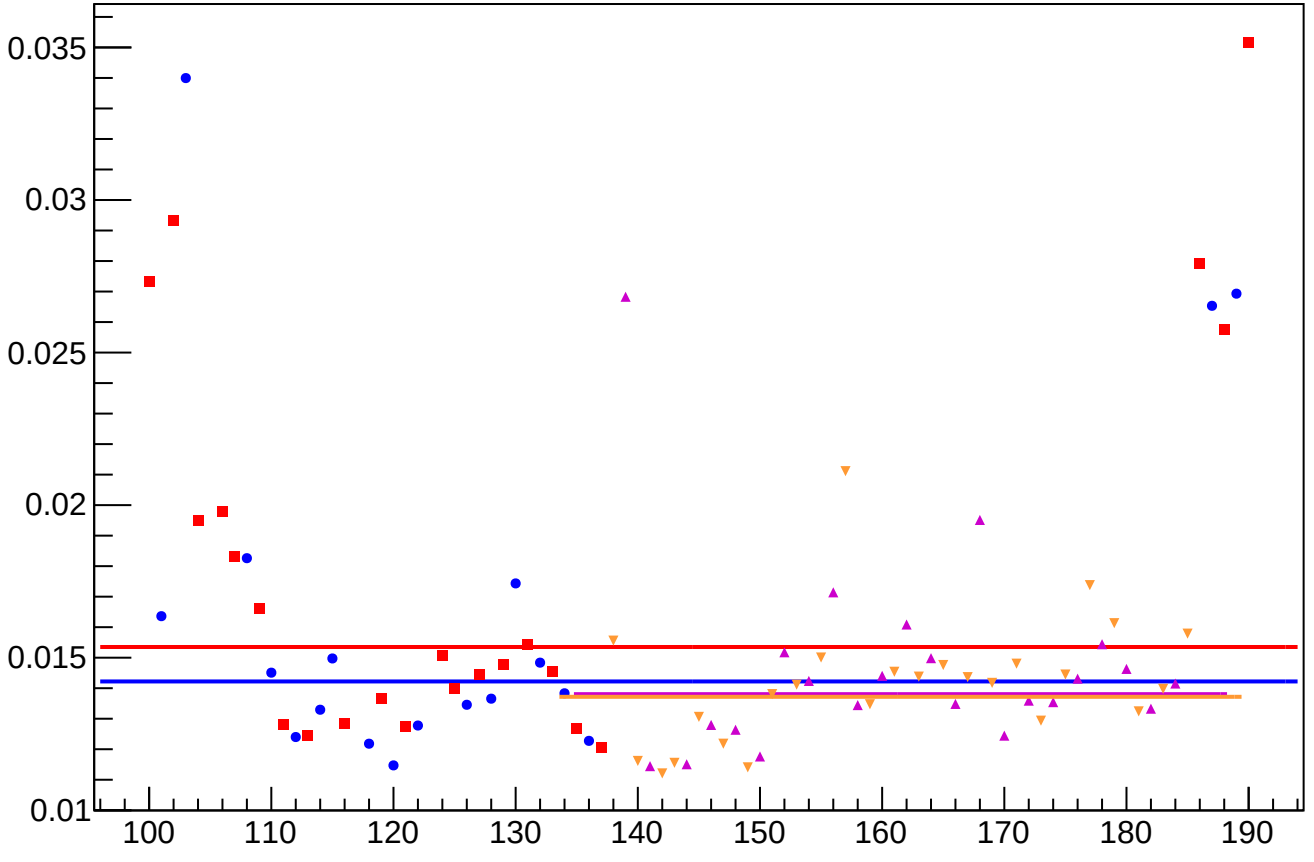
Right: 0.960+/-0.000 χ^2/NDF: 3149097782.8/39

In: 1.154+/-0.000 χ^2/NDF:5618730853.5/40

Out: 1.157+/-0.000 χ^2/NDF:6711081636.9/46

All: 1.155+/-0.000 χ^2/NDF: 12330344874.9/8

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 904184.3/17

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1258598.6/21

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

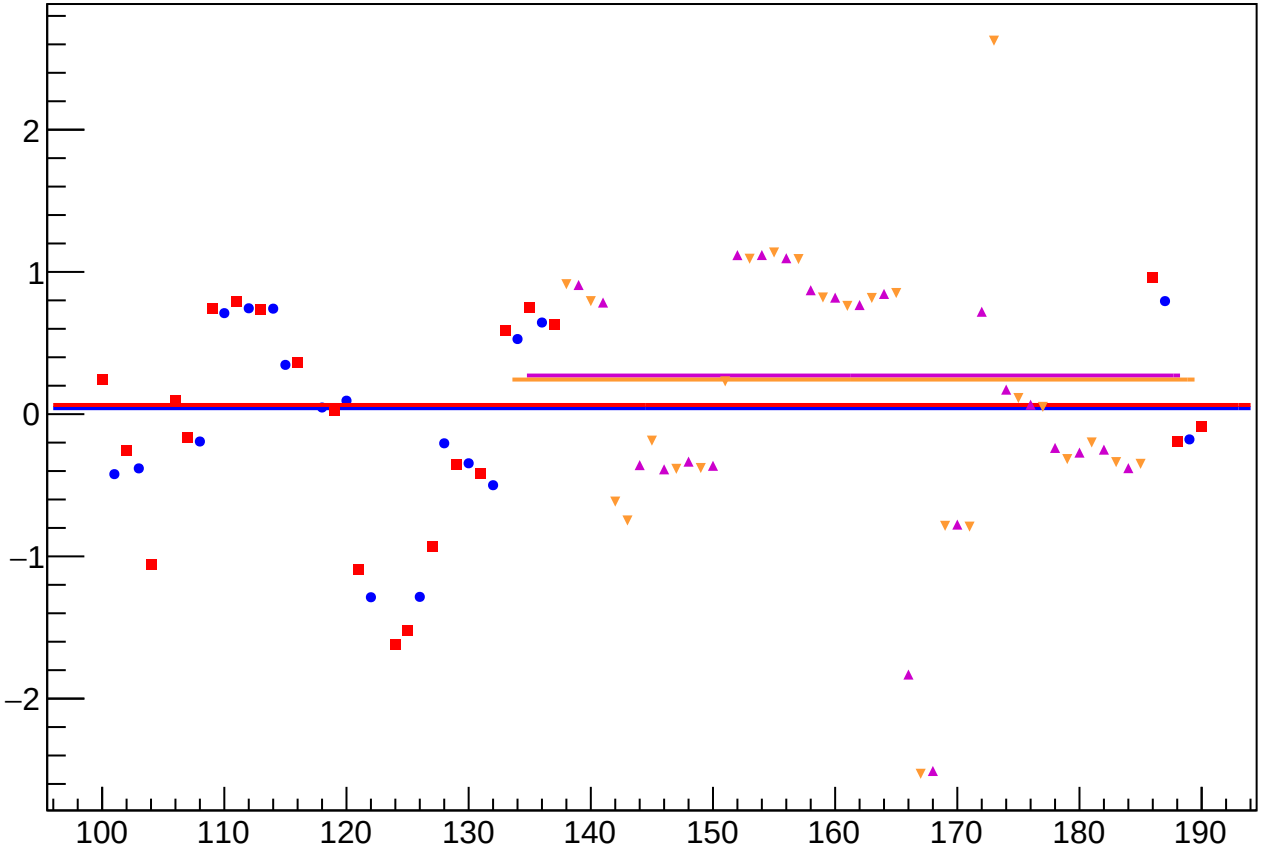
Right: 0.015+/-0.000 χ^2/NDF: 2204846.8/39

In: 0.014+/-0.000 χ^2/NDF:1782602.9/40

Out: 0.014+/-0.000 χ^2/NDF:1937306.4/46

All: 0.014+/-0.000 χ^2/NDF: 3726330.7/87

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 11185211109.0/17

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.065+/-0.000 χ^2/NDF: 18020528602.1/21

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

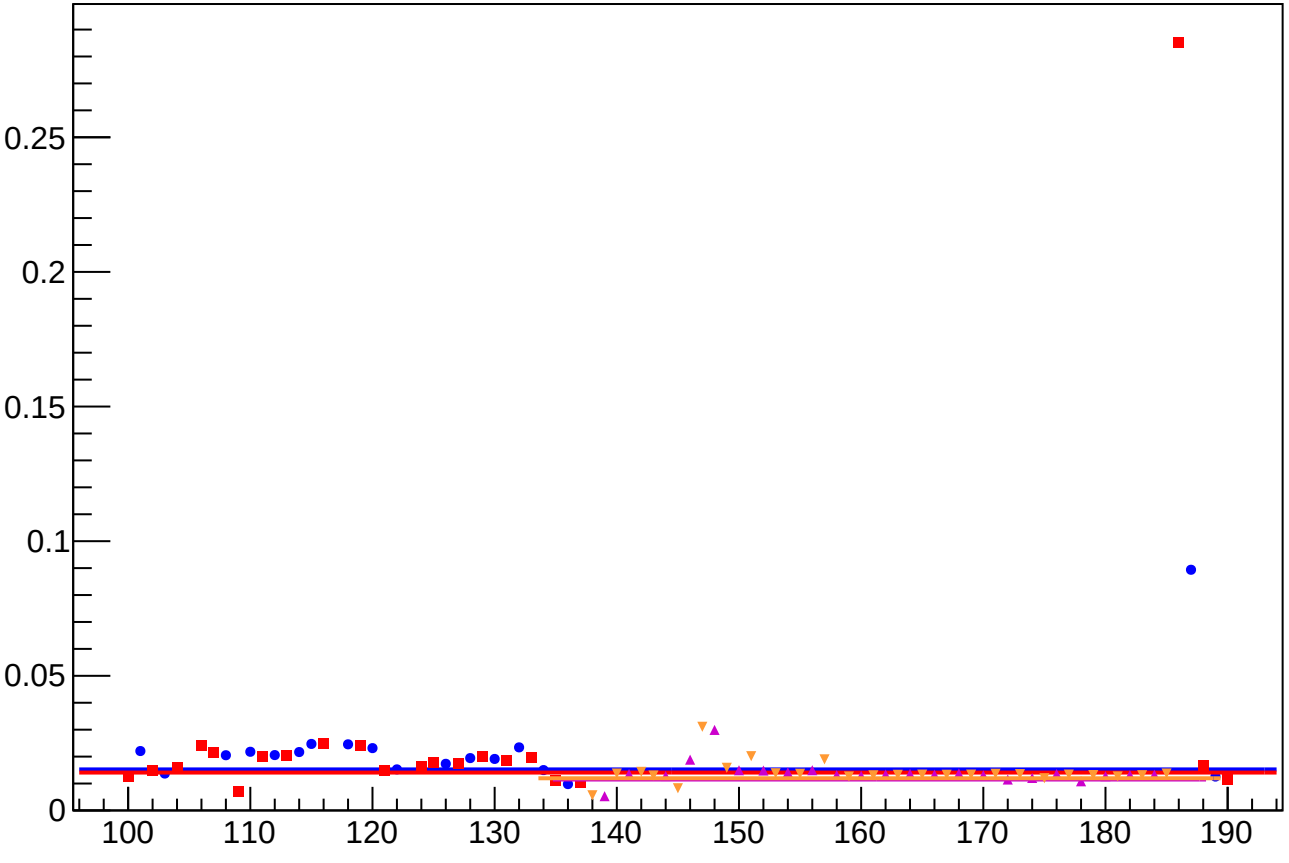
Right: 0.054+/-0.000 χ^2/NDF: 29213560088.4/39

In: 0.228+/-0.000 χ^2/NDF:102869074075.9/40

Out: 0.203+/-0.000 χ^2/NDF:124463558067.6/46

All: 0.215+/-0.000 χ^2/NDF: 227378673119.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1576594.8/17

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2435628.6/21

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

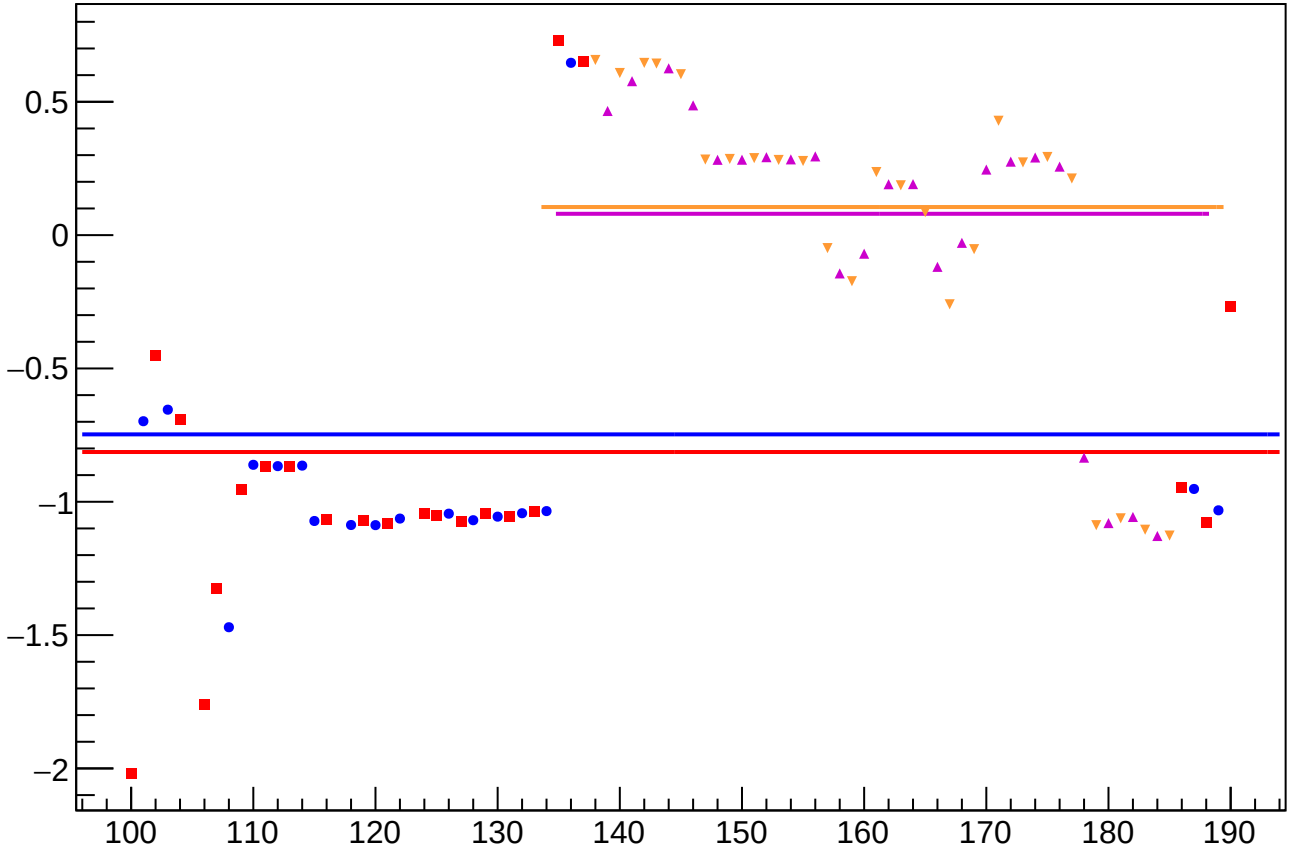
Right: 0.015+/-0.000 χ^2/NDF: 4054289.2/39

In: 0.012+/-0.000 χ^2/NDF:5881568.1/40

Out: 0.012+/-0.000 χ^2/NDF:5942206.7/46

All: 0.012+/-0.000 χ^2/NDF: 11831406.0/87

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.747+/-0.000 χ^2/NDF: 2087351981.9/17

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.813+/-0.000 χ^2/NDF: 1920316585.6/21

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

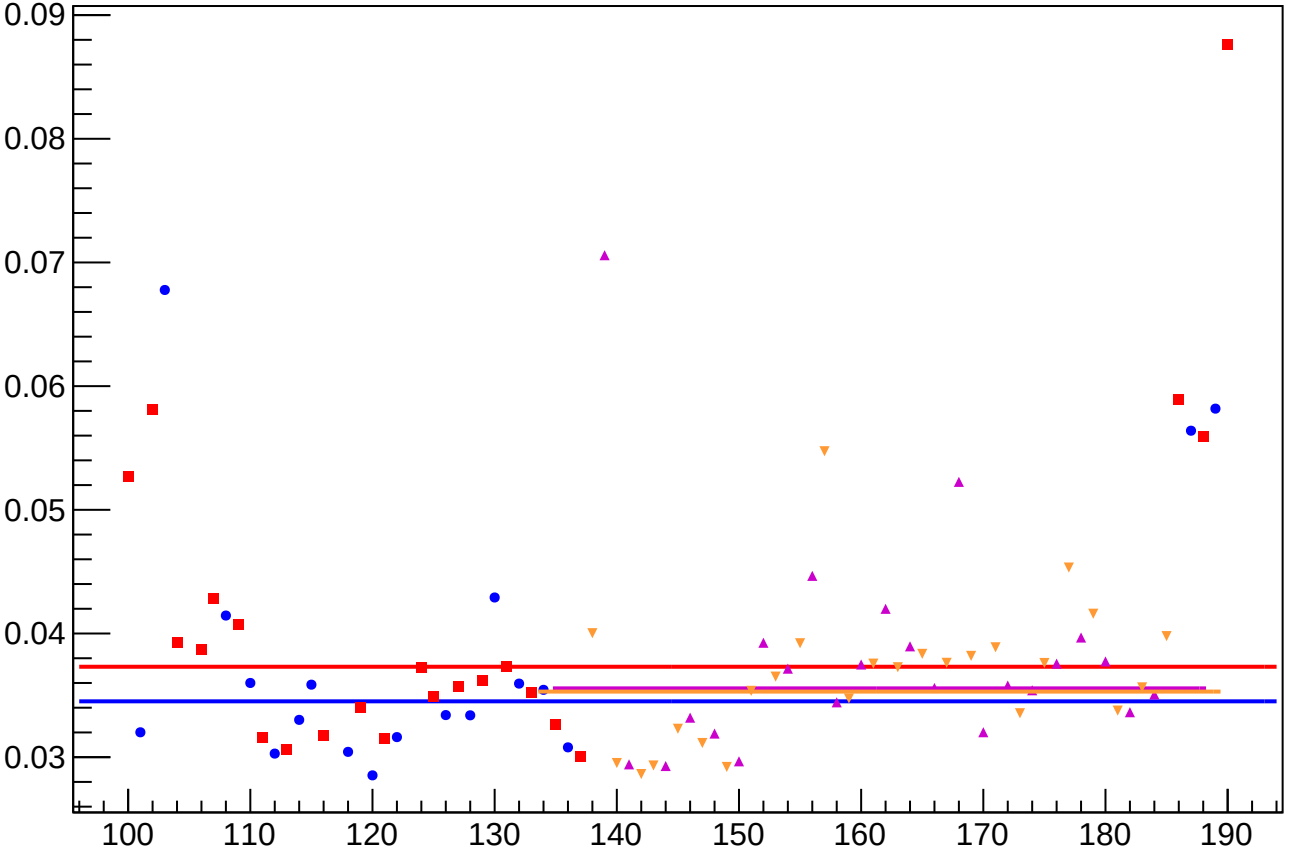
Right: -0.780+/-0.000 χ^2/NDF: 4020115321.1/39

In: -0.178+/-0.000 χ^2/NDF:8067962046.6/40

Out: -0.165+/-0.000 χ^2/NDF:9057432991.9/46

All: -0.171+/-0.000 χ^2/NDF: 17126920432.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 641982.3/17

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.037+/-0.000 χ^2/NDF: 860892.5/21

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

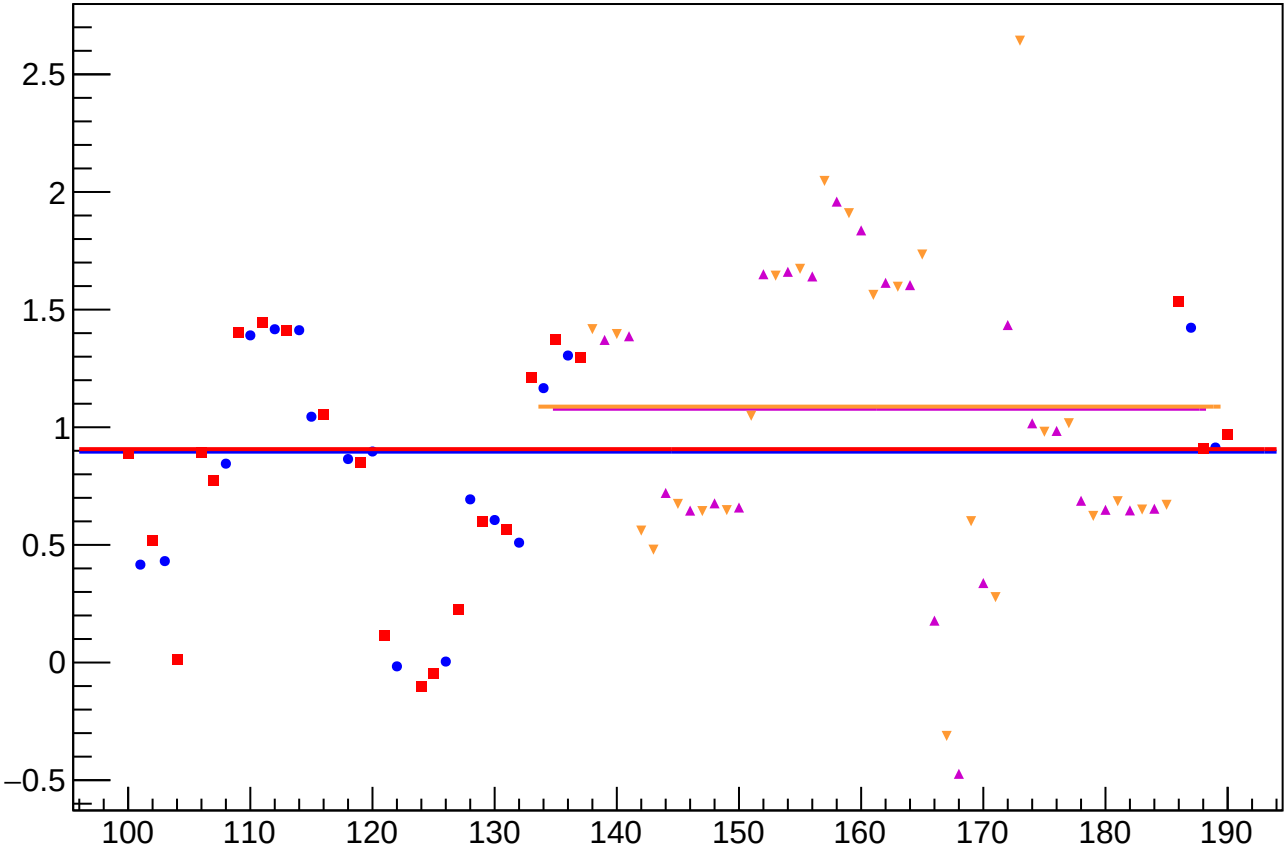
Right: 0.036+/-0.000 χ^2/NDF: 1547338.0/39

In: 0.035+/-0.000 χ^2/NDF:1611059.2/40

Out: 0.036+/-0.000 χ^2/NDF:1505525.3/46

All: 0.036+/-0.000 χ^2/NDF: 3124705.3/87

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.896+/-0.000 χ^2/NDF: 12765096012.7/17

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.907+/-0.000 χ^2/NDF: 17917600169.7/21

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

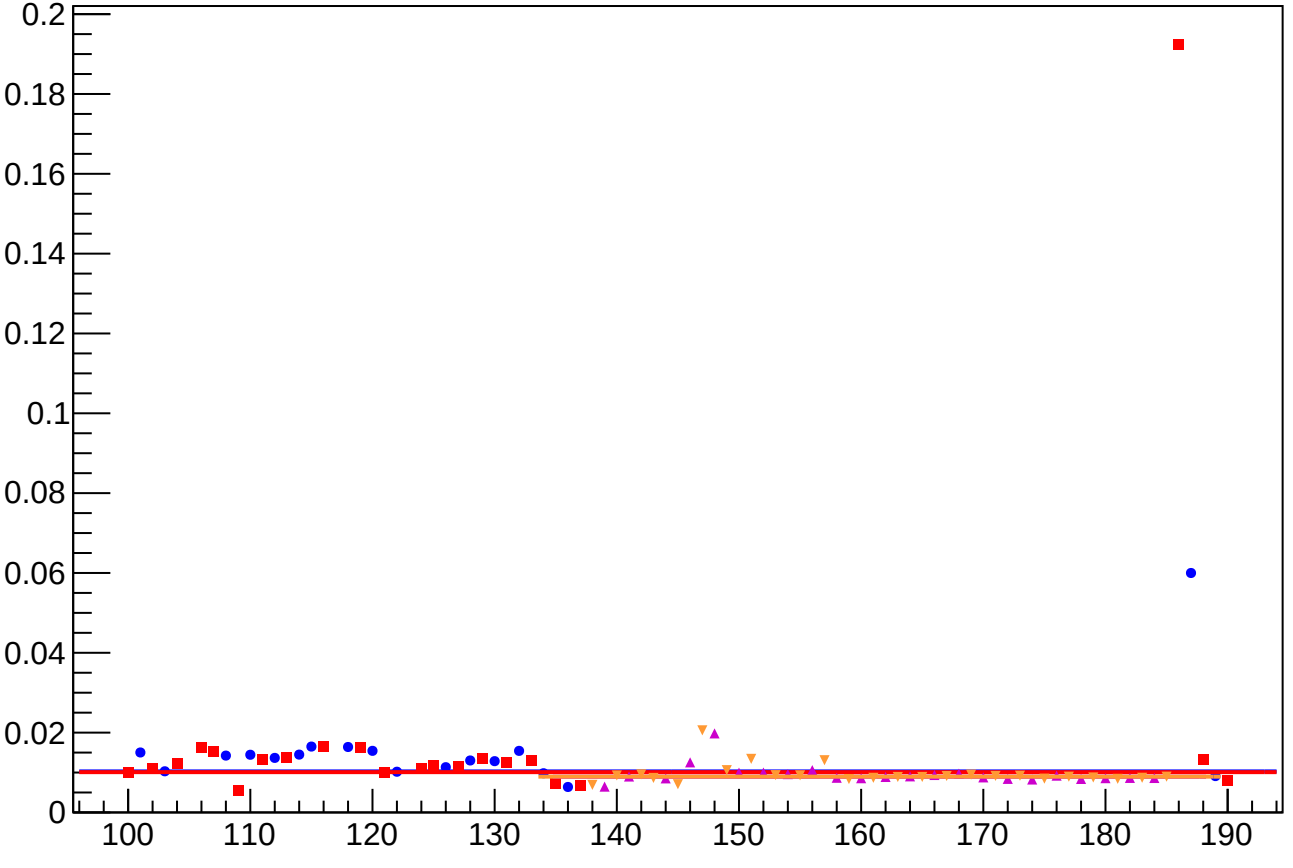
Right: 0.902+/-0.000 χ^2/NDF: 30686398817.3/39

In: 1.038+/-0.000 χ^2/NDF:88417029805.2/40

Out: 1.045+/-0.000 χ^2/NDF:113493190820.9/46

All: 1.042+/-0.000 χ^2/NDF: 201917304900.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1607547.2/17

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2136533.3/21

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

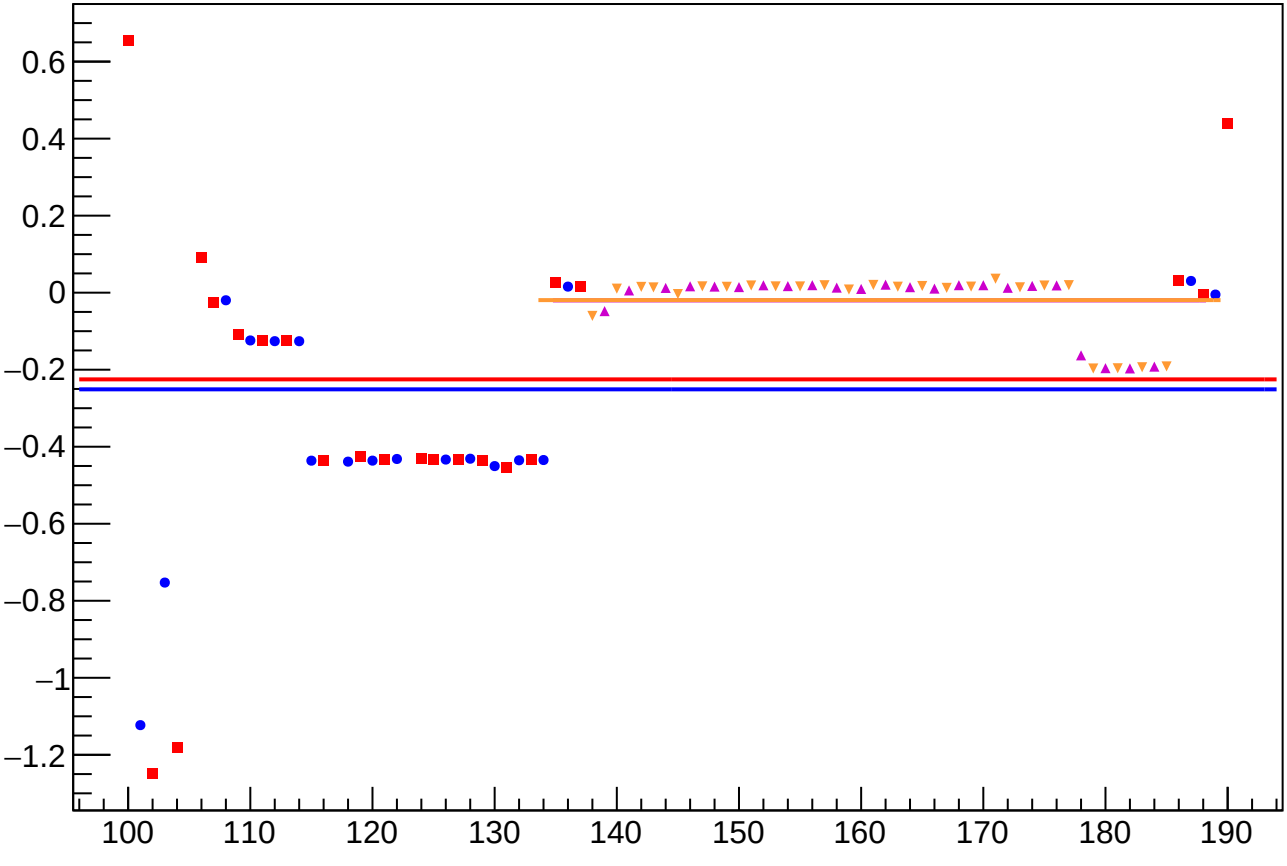
Right: 0.010+/-0.000 χ^2/NDF: 3746200.6/39

In: 0.009+/-0.000 χ^2/NDF:2742237.1/40

Out: 0.009+/-0.000 χ^2/NDF:3417234.4/46

All: 0.009+/-0.000 χ^2/NDF: 6159483.0/87

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.251+/-0.000 χ^2/NDF: 2042779196.7/17

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.225+/-0.000 χ^2/NDF: 1868765822.9/21

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

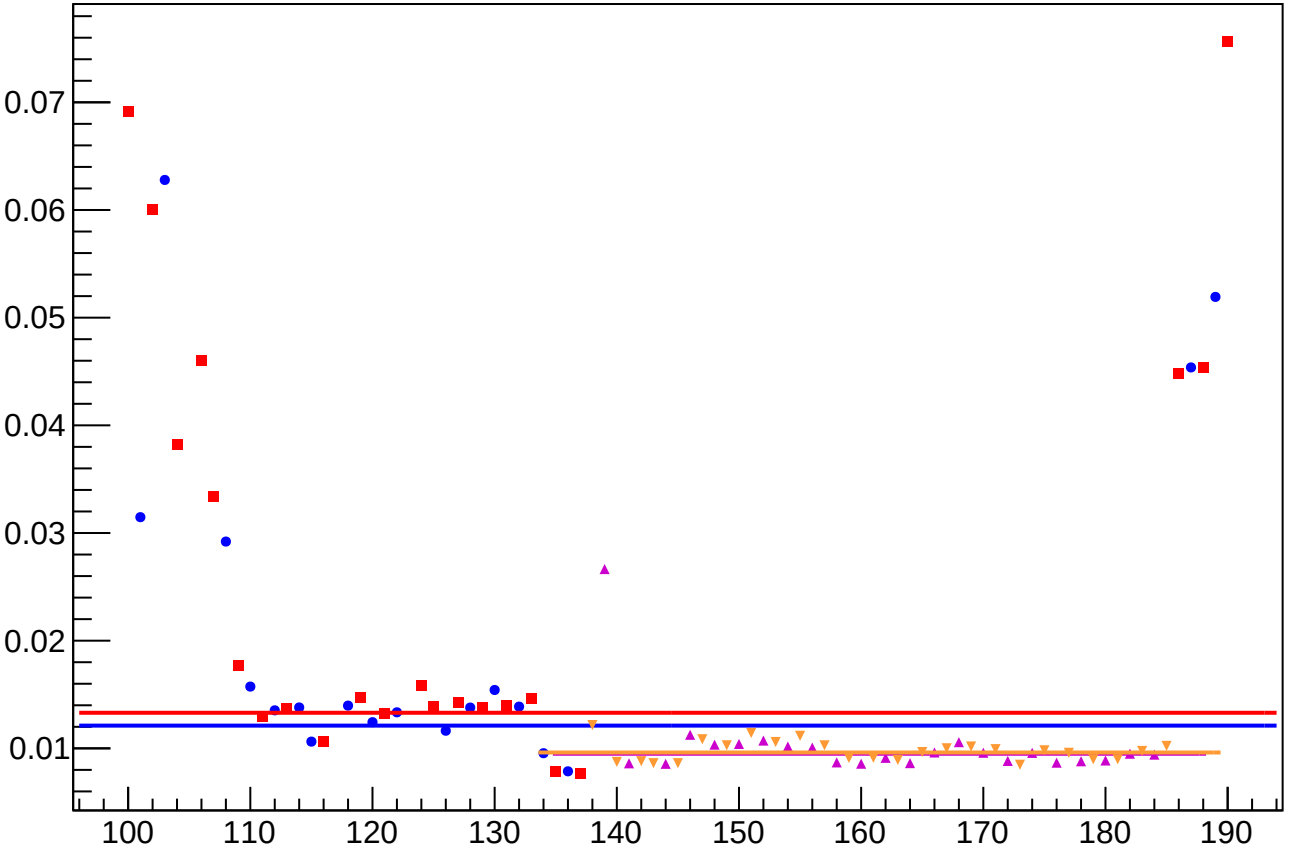
Right: -0.239+/-0.000 χ^2/NDF: 3922944663.2/39

In: -0.060+/-0.000 χ^2/NDF:4601463988.4/40

Out: -0.051+/-0.000 χ^2/NDF:4088928360.0/46

All: -0.056+/-0.000 χ^2/NDF: 8699400296.7/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2694657.9/17

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3974320.7/21

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

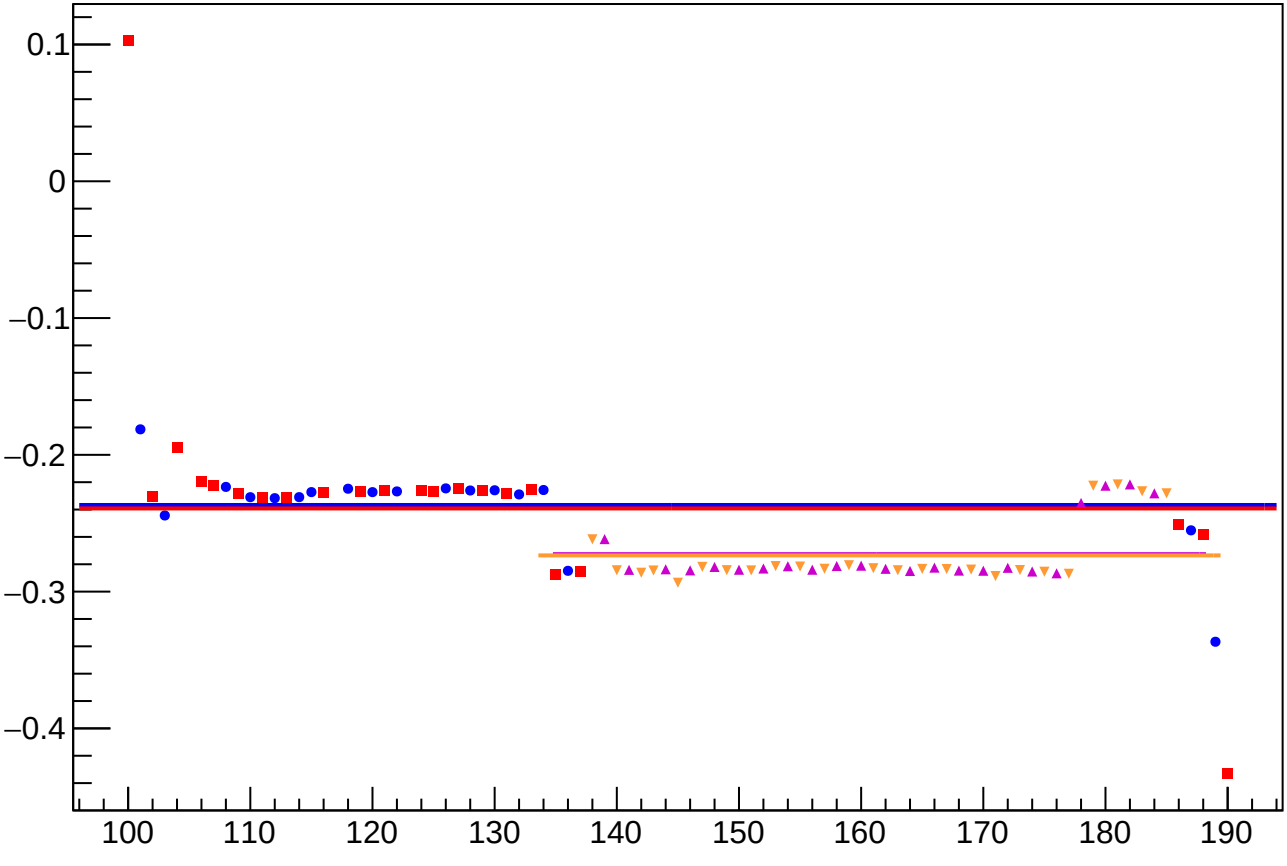
Right: 0.013+/-0.000 χ^2/NDF: 6717429.9/39

In: 0.010+/-0.000 χ^2/NDF:3998281.2/40

Out: 0.010+/-0.000 χ^2/NDF:4992446.8/46

All: 0.010+/-0.000 χ^2/NDF: 9001810.7/87

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.237+/-0.000 χ^2/NDF: 301196851.7/17

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.239+/-0.000 χ^2/NDF: 658137135.4/21

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

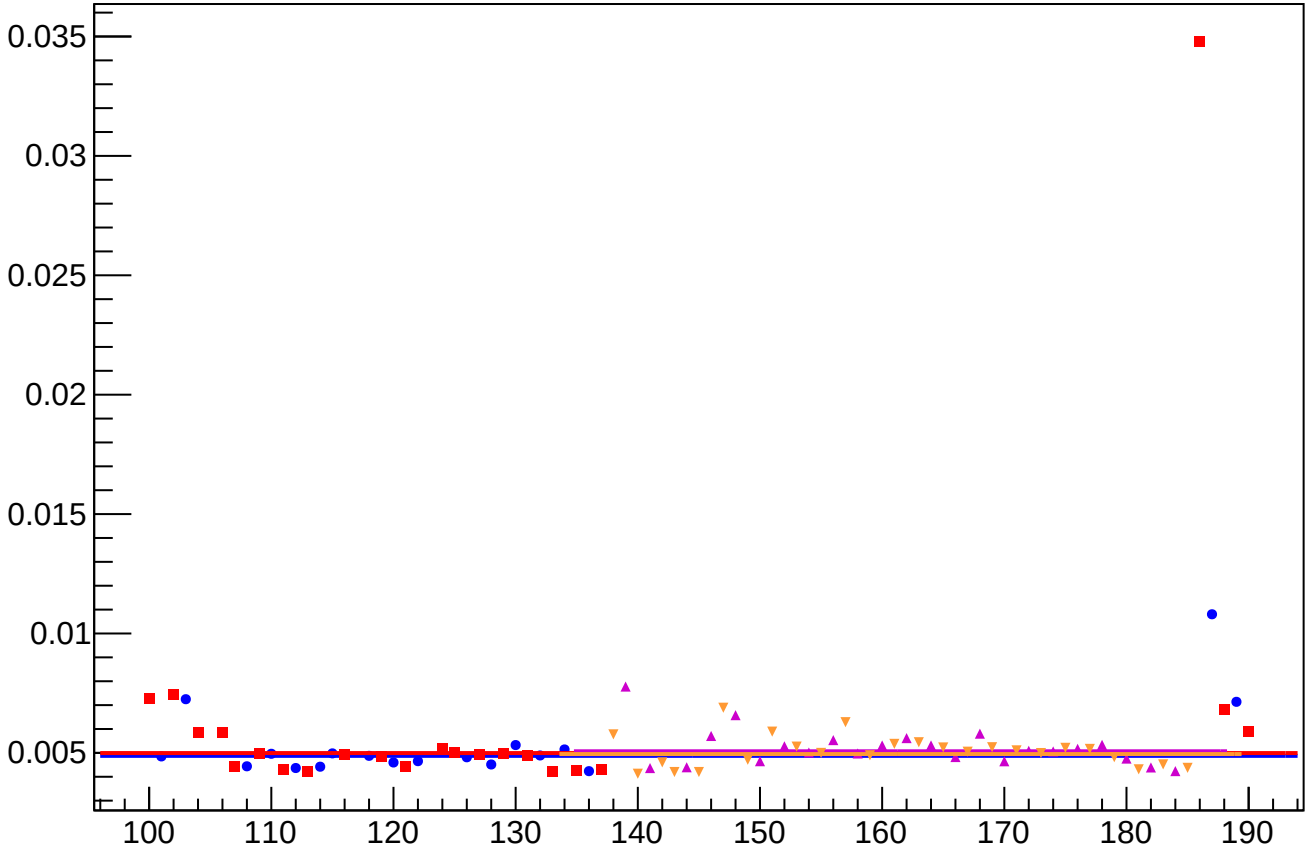
Right: -0.238+/-0.000 χ^2/NDF: 960309120.9/39

In: -0.262+/-0.000 χ^2/NDF:900765031.7/40

Out: -0.263+/-0.000 χ^2/NDF:1316358445.2/46

All: -0.262+/-0.000 χ^2/NDF: 2218316300.2/8

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 403908.3/17

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1021646.4/21

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

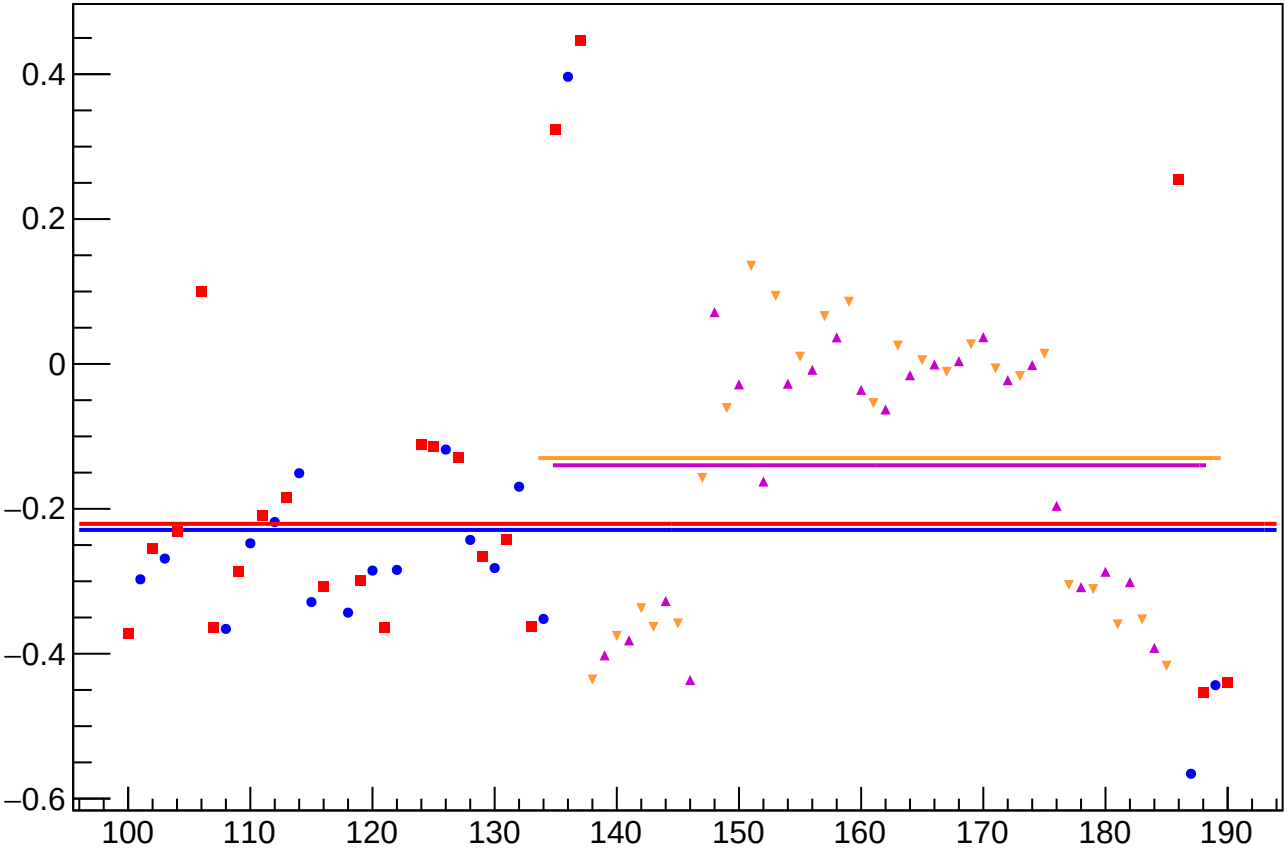
Right: 0.005+/-0.000 χ^2/NDF: 1429705.3/39

In: 0.005+/-0.000 χ^2/NDF:958162.9/40

Out: 0.005+/-0.000 χ^2/NDF:1551209.3/46

All: 0.005+/-0.000 χ^2/NDF: 2511451.1/87

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.229+/-0.000 χ^2/NDF: 7157958362.6/17

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.221+/-0.000 χ^2/NDF: 8521450126.5/21

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

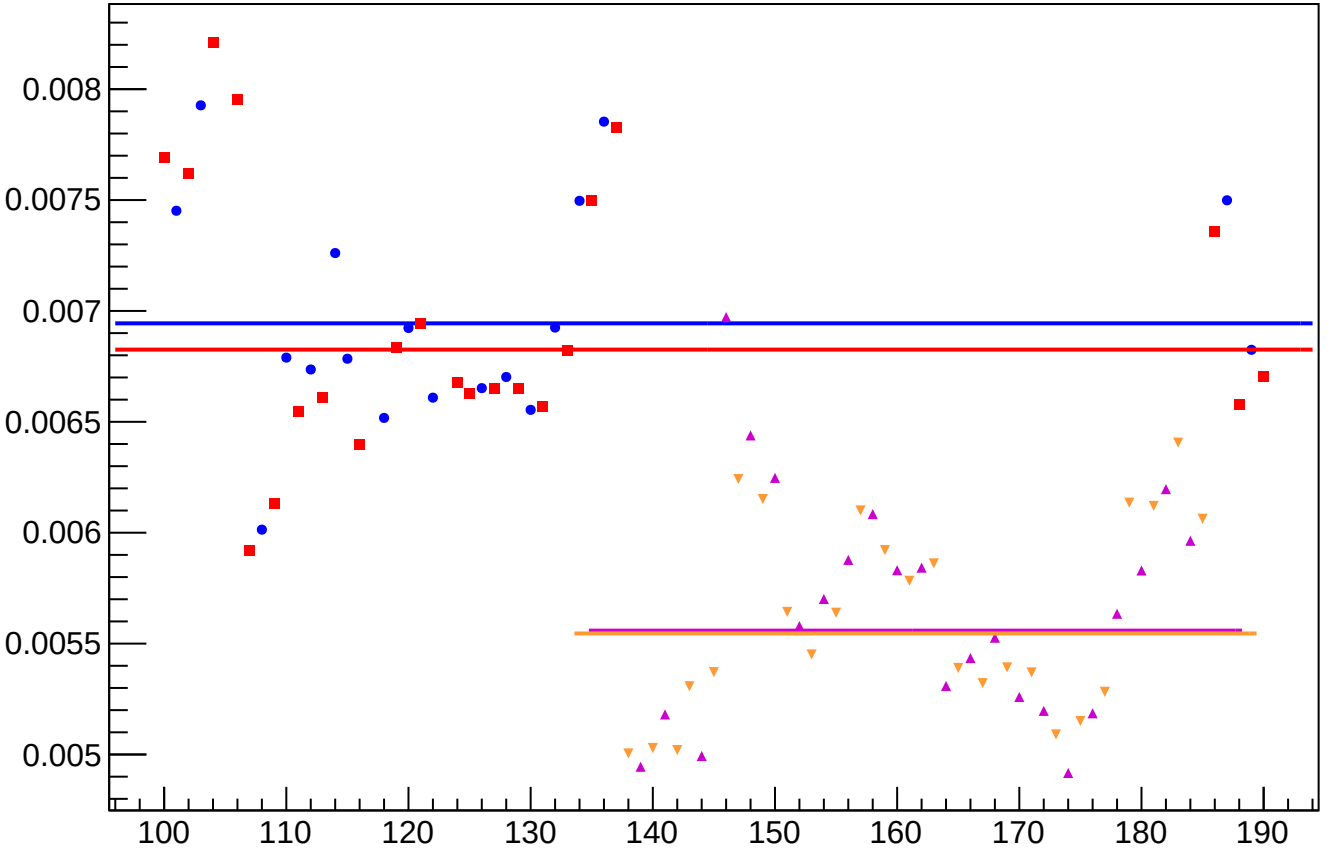
Right: -0.225+/-0.000 χ^2/NDF: 15685561787.0/39

In: -0.160+/-0.000 χ^2/NDF:23299663634.2/40

Out: -0.152+/-0.000 χ^2/NDF:31208550401.4/46

All: -0.156+/-0.000 χ^2/NDF: 54531433713.3/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 87486.7/17

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 106972.8/21

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

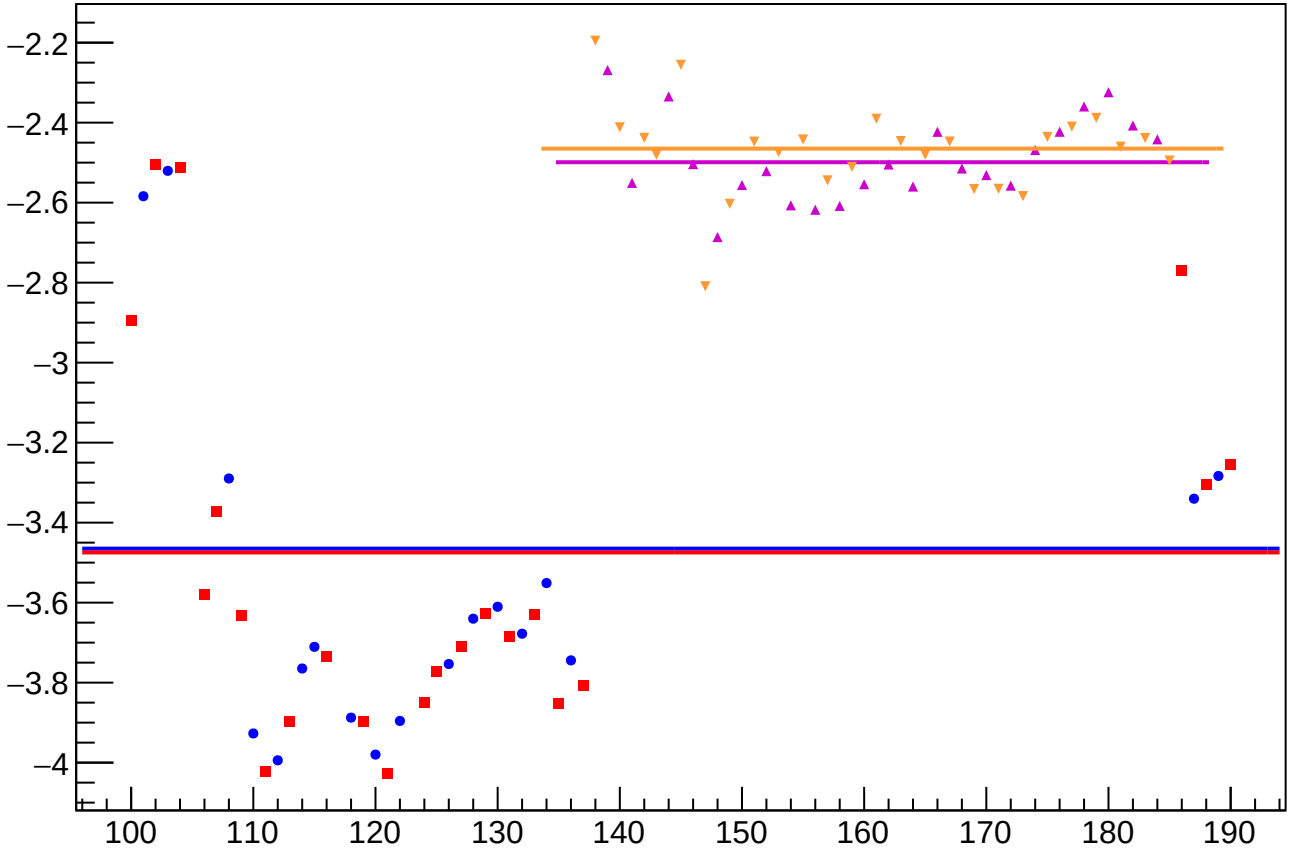
Right: 0.007+/-0.000 χ^2/NDF: 196903.4/39

In: 0.006+/-0.000 χ^2/NDF:827315.0/40

Out: 0.006+/-0.000 χ^2/NDF:782350.4/46

All: 0.006+/-0.000 χ^2/NDF: 1609769.4/87

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.465+/-0.000 χ^2/NDF: 29731716152.6/17

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.475+/-0.000 χ^2/NDF: 31750992435.6/21

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

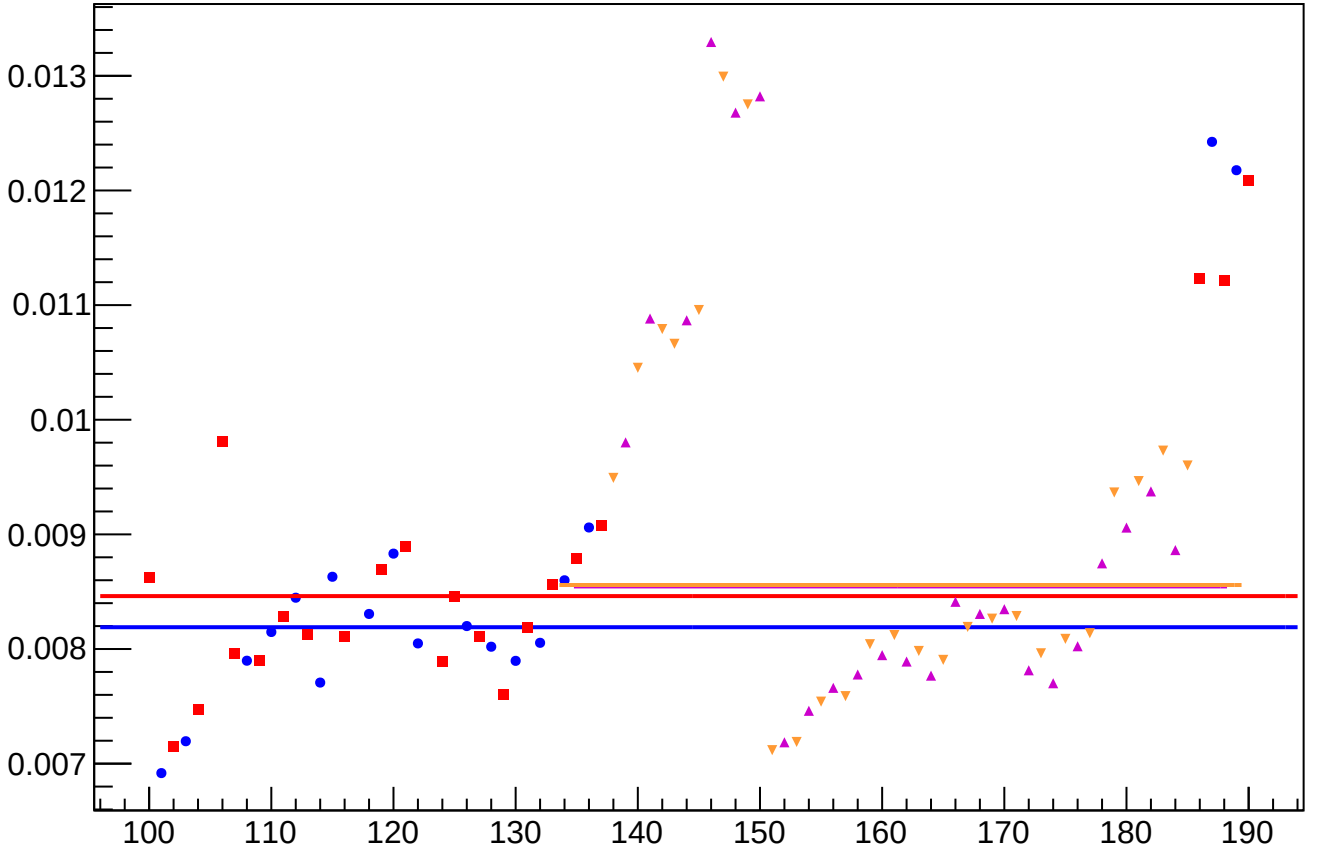
Right: -3.470+/-0.000 χ^2/NDF: 61487973382.8/39

In: -2.814+/-0.000 χ^2/NDF:103288517118.6/40

Out: -2.797+/-0.000 χ^2/NDF:116645079015.9/46

All: -2.805+/-0.000 χ^2/NDF: 219988067215.4

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 246279.6/17

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 317969.1/21

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

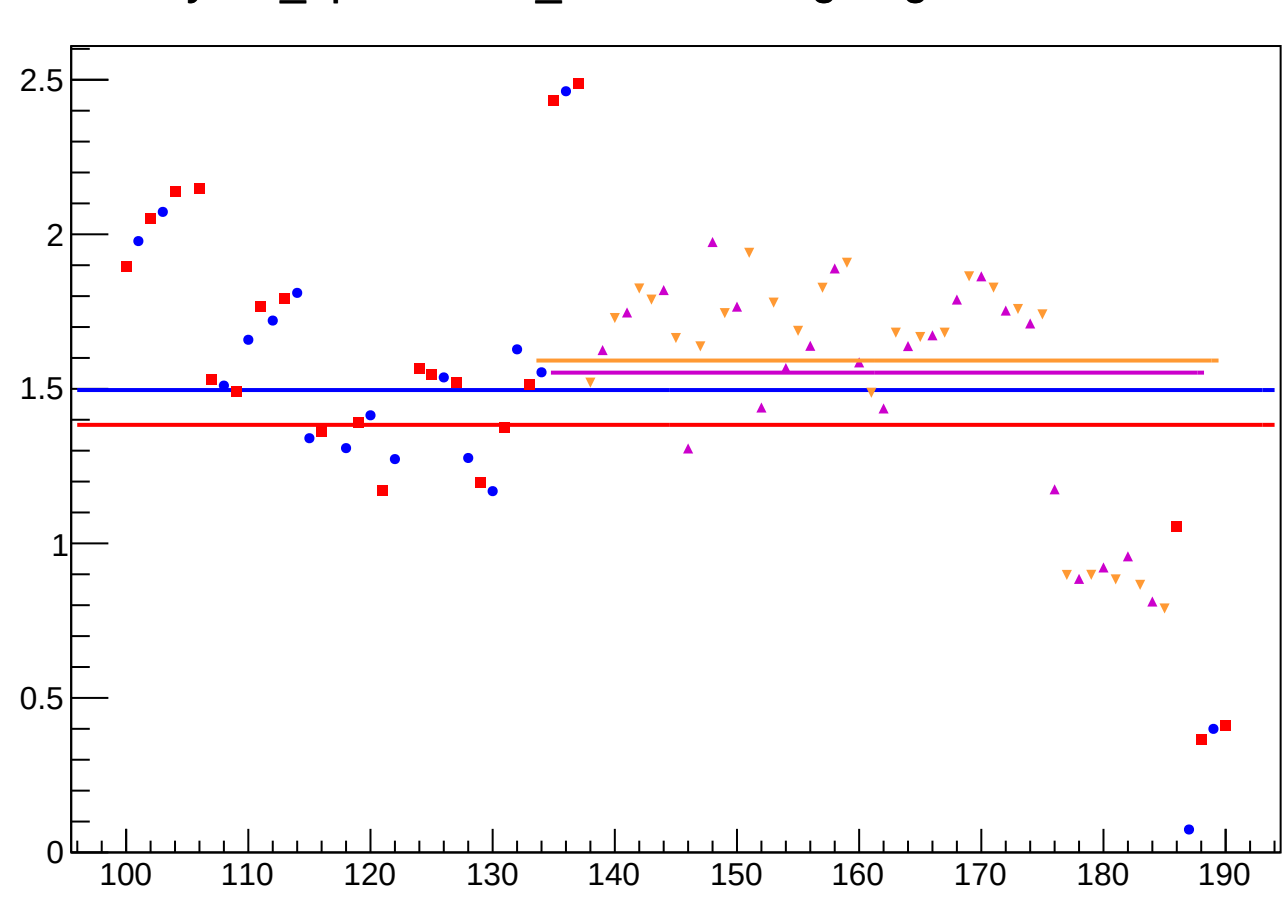
Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

Right: 0.008+/-0.000 χ^2/NDF: 572872.8/39

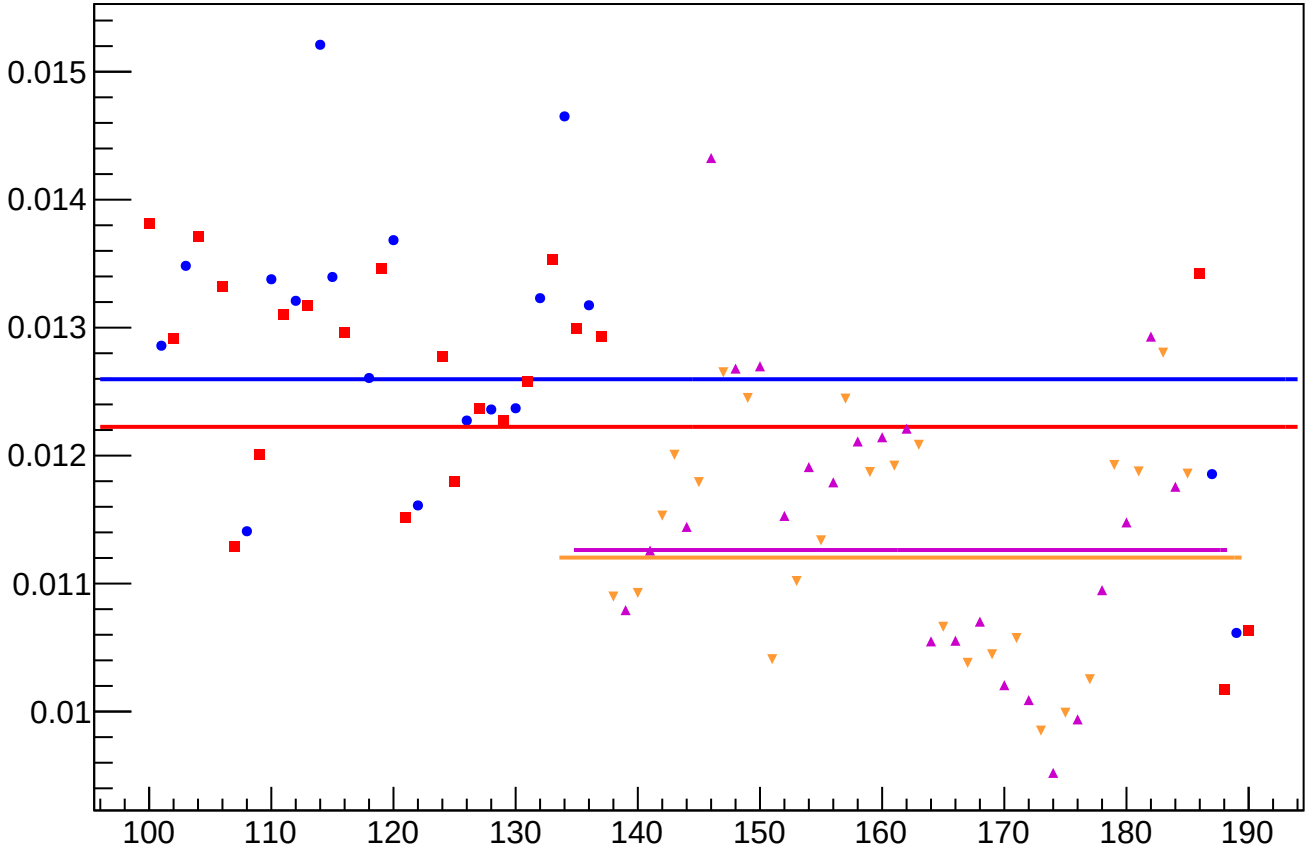
In: 0.008+/-0.000 χ^2/NDF:1176369.3/40

Out: 0.009+/-0.000 χ^2/NDF:1143515.9/46

All: 0.008+/-0.000 χ^2/NDF: 2323230.1/87


yield_bpm0i02aX_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
160
170
180
190
Right In: 1.496+/-0.000 χ²/NDF: 15885841264.0/17
Left Out: 1.592+/-0.000 χ²/NDF:17078853061.6/24
Right Out: 1.384+/-0.000 χ²/NDF: 22426944150.9/21
Left In: 1.552+/-0.000 χ²/NDF:14055987405.9/22
Left: 1.573+/-0.000 χ²/NDF: 31243382500.9/47
Right: 1.434+/-0.000 χ²/NDF: 38650358146.9/39
In: 1.538+/-0.000 χ²/NDF:30055314612.0/40
Out: 1.532+/-0.000 χ²/NDF:41328763298.0/46
All: 1.535+/-0.000 χ²/NDF: 71387216242.4/8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 94867.0/17

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 159934.3/21

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

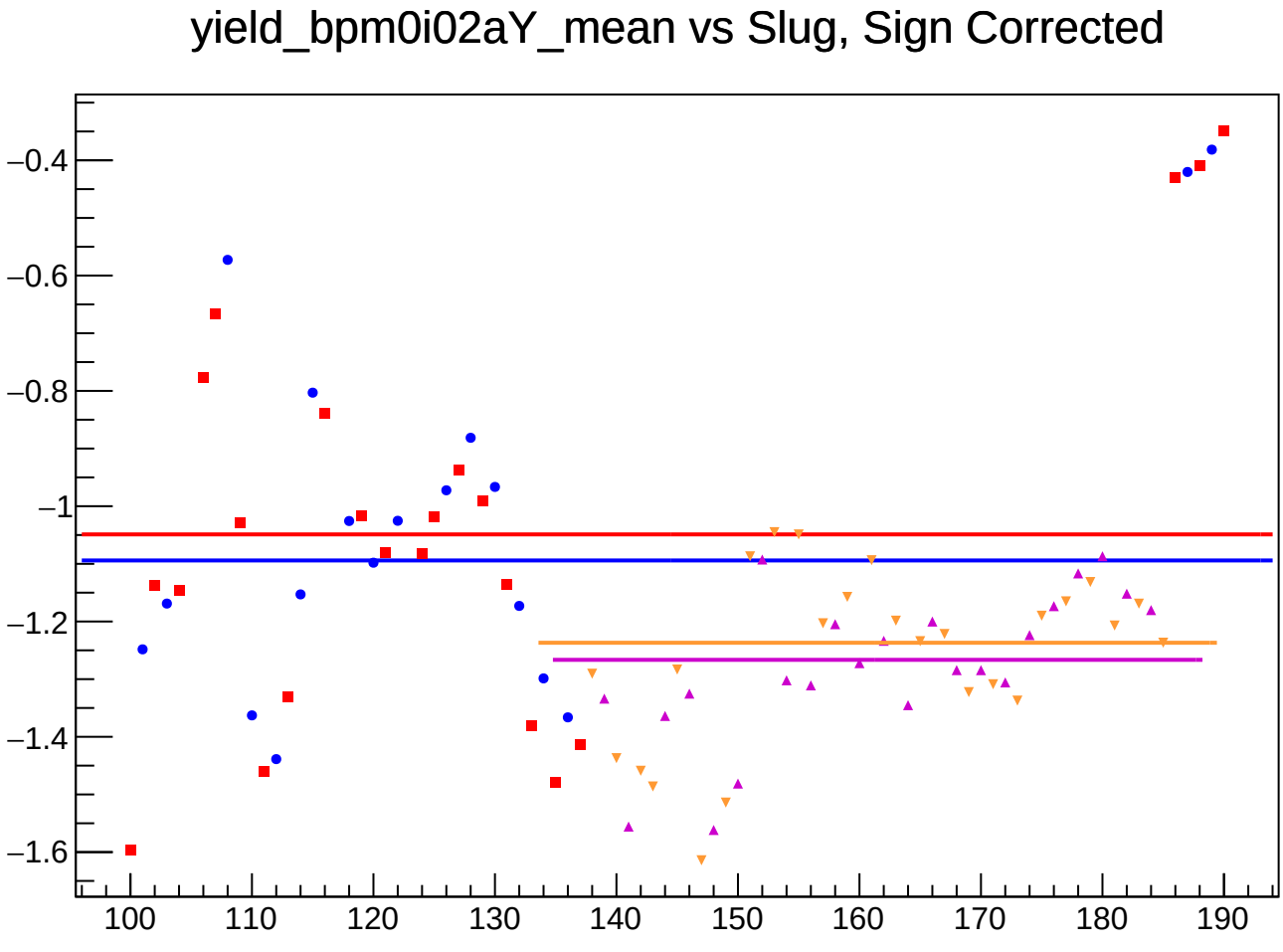
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 262174.8/39

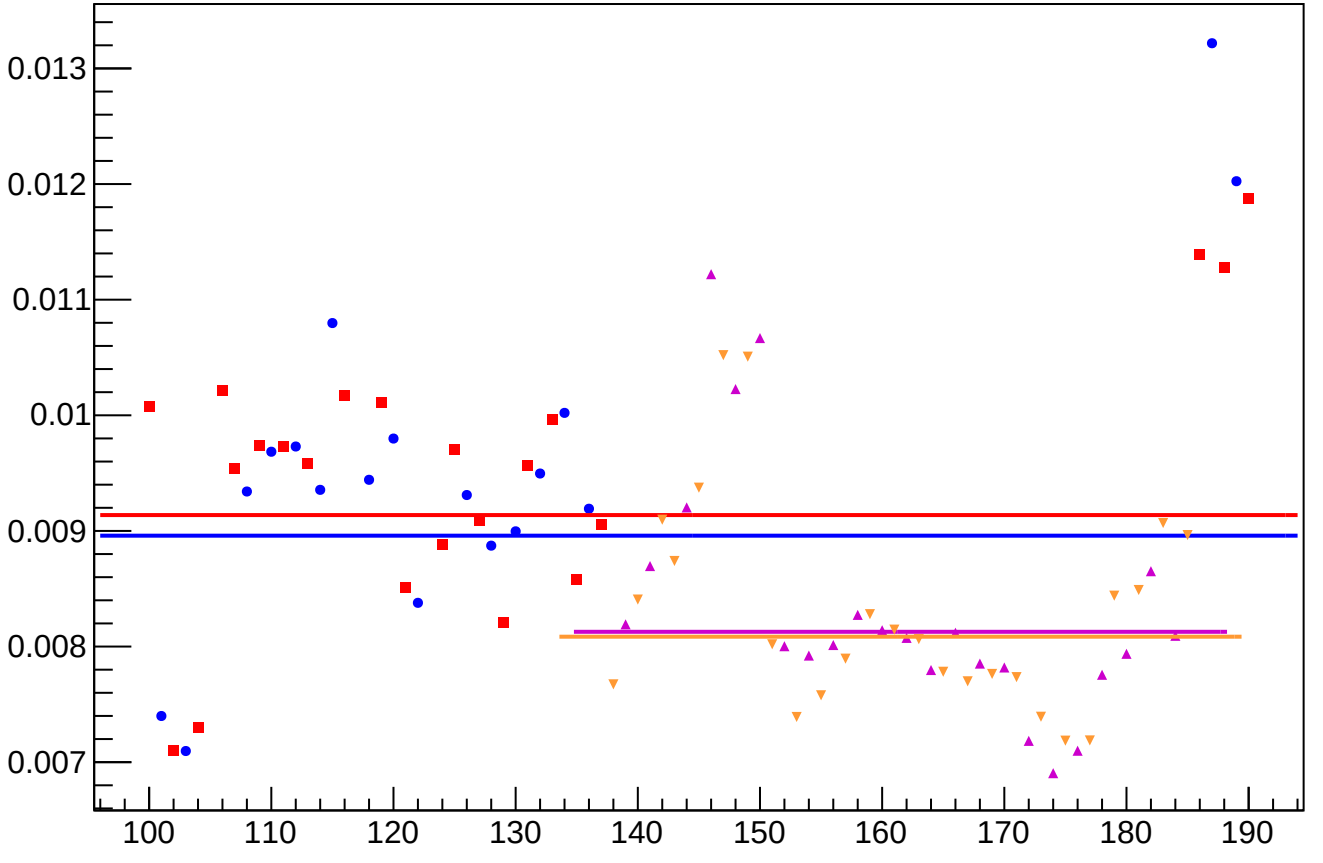
In: 0.012+/-0.000 χ^2/NDF:534016.9/40

Out: 0.011+/-0.000 χ^2/NDF:471403.7/46

All: 0.012+/-0.000 χ^2/NDF: 1008058.7/87


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
180
190
Right In: -1.094+/-0.000 χ²/NDF: 6194983343.8/17
Left Out: -1.237+/-0.000 χ²/NDF:4972272024.7/24
Right Out: -1.049+/-0.000 χ²/NDF: 9604216396.7/21
Left In: -1.267+/-0.000 χ²/NDF:3674801511.3/22
Left: -1.251+/-0.000 χ²/NDF: 8764581472.4/47
Right: -1.071+/-0.000 χ²/NDF: 15898833462.7/39
In: -1.221+/-0.000 χ²/NDF:11908957075.8/40
Out: -1.186+/-0.000 χ²/NDF:17209737906.8/46
All: -1.203+/-0.000 χ²/NDF: 29338231969.0/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 283345.8/17

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 356316.1/21

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

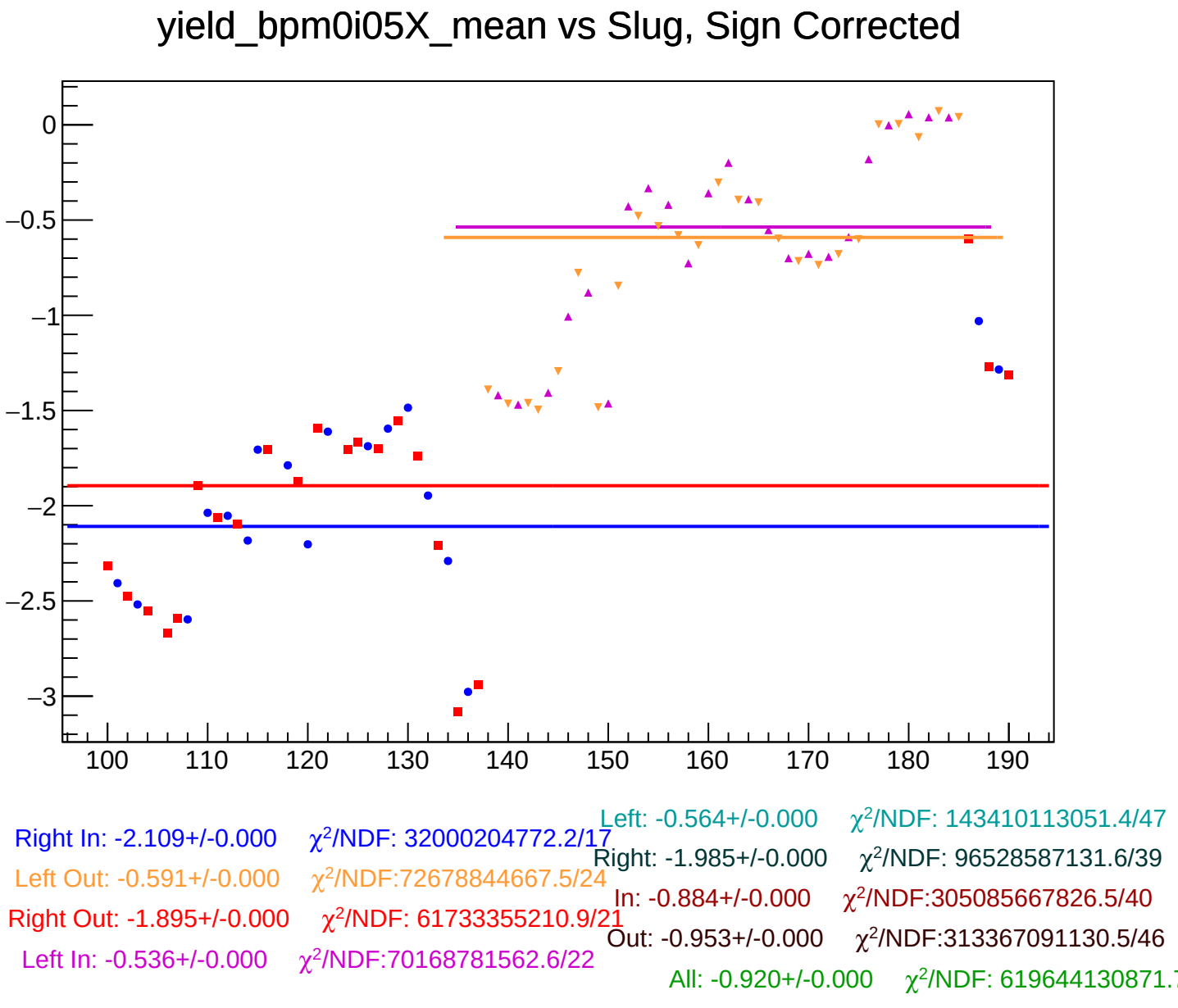
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.009+/-0.000 χ^2/NDF: 642757.3/39

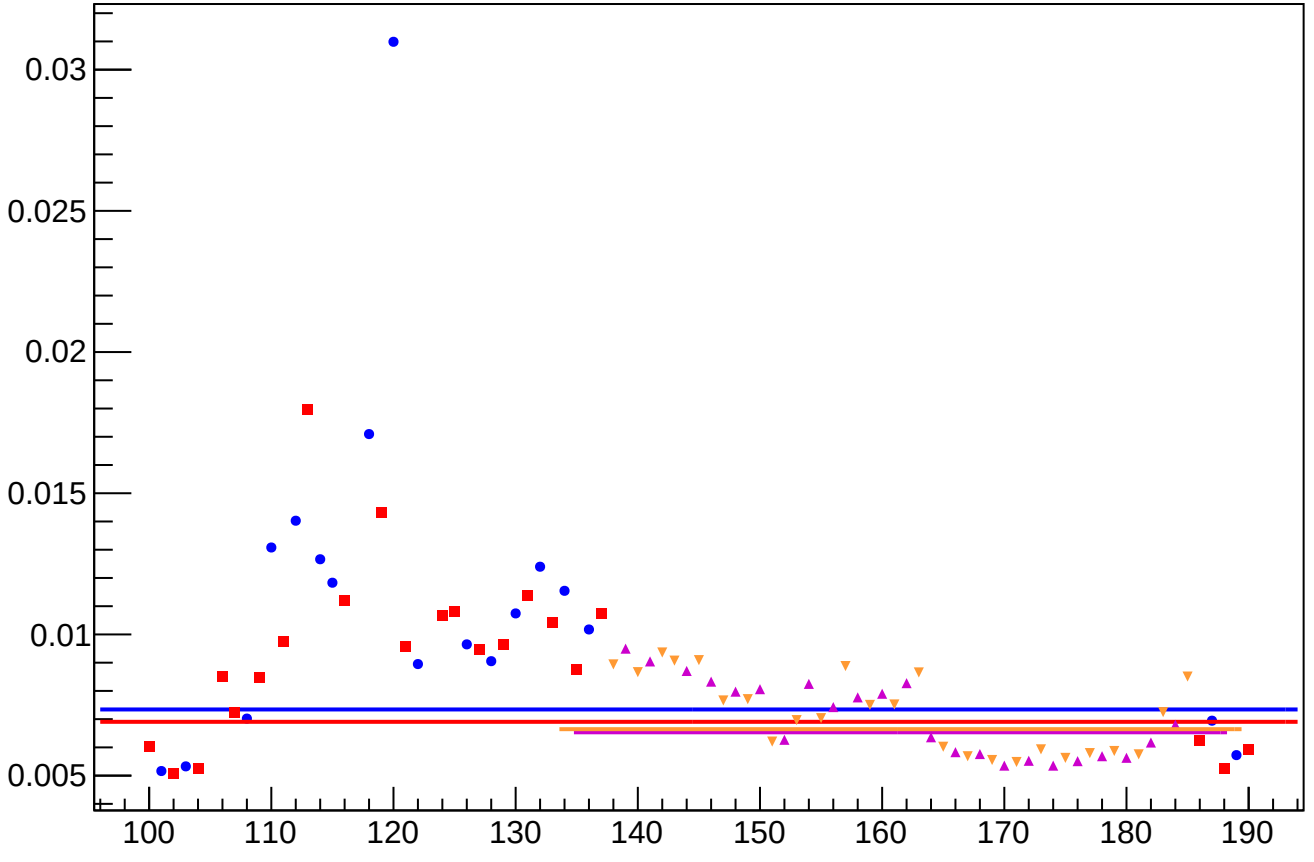
In: 0.008+/-0.000 χ^2/NDF:787235.8/40

Out: 0.008+/-0.000 χ^2/NDF:848095.8/46

All: 0.008+/-0.000 χ^2/NDF: 1635495.4/87


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
190
Right In: -2.109+/-0.000 χ²/NDF: 32000204772.2/17
Left Out: -0.591+/-0.000 χ²/NDF:72678844667.5/24
Right Out: -1.895+/-0.000 χ²/NDF: 61733355210.9/21
Left In: -0.536+/-0.000 χ²/NDF:70168781562.6/22
Left: -0.564+/-0.000 χ²/NDF: 143410113051.4/47
Right: -1.985+/-0.000 χ²/NDF: 96528587131.6/39
In: -0.884+/-0.000 χ²/NDF:305085667826.5/40
Out: -0.953+/-0.000 χ²/NDF:313367091130.5/46
All: -0.920+/-0.000 χ²/NDF: 619644130871.

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1803911.2/17

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1620123.0/21

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

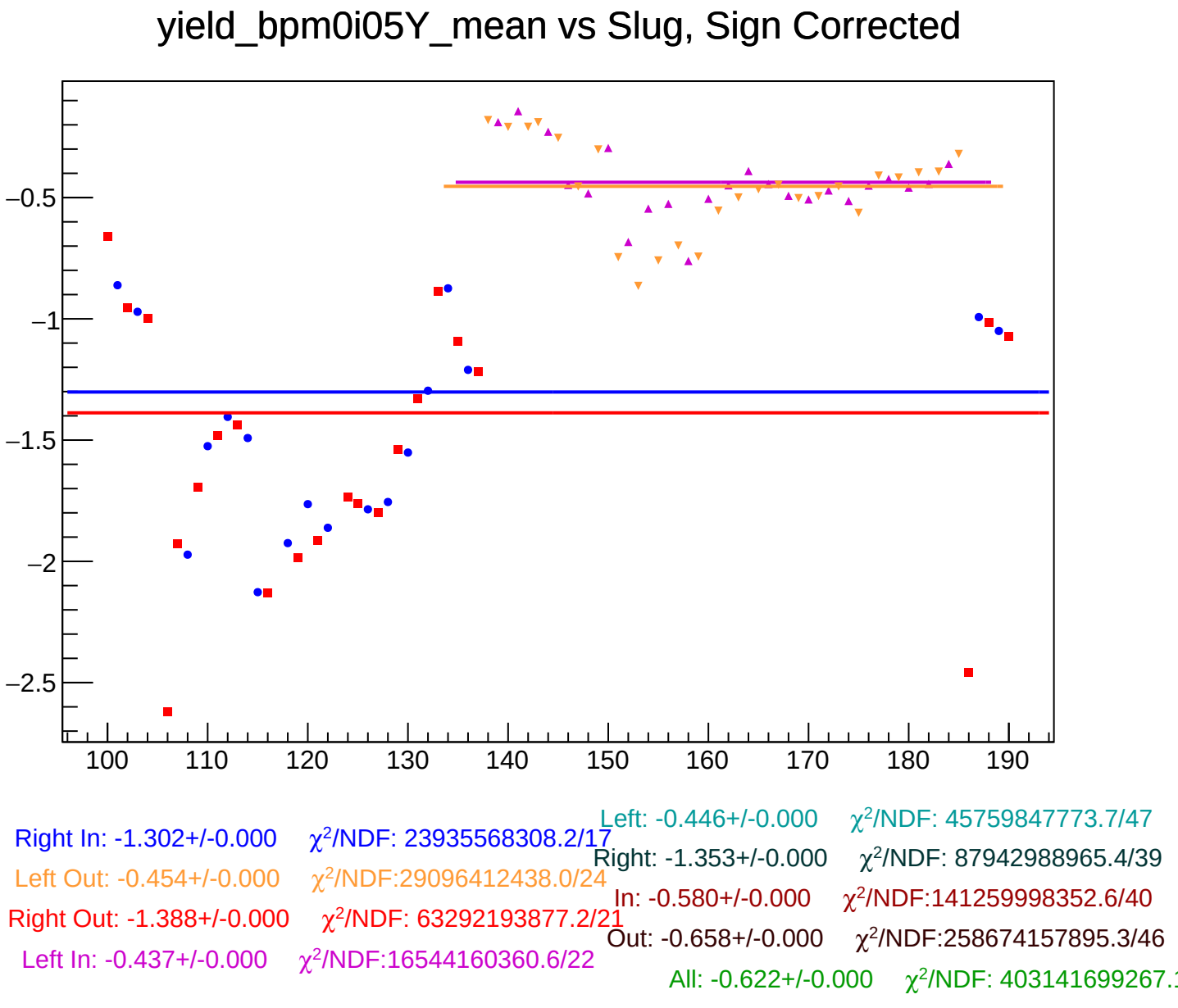
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.007+/-0.000 χ^2/NDF: 3447464.8/39

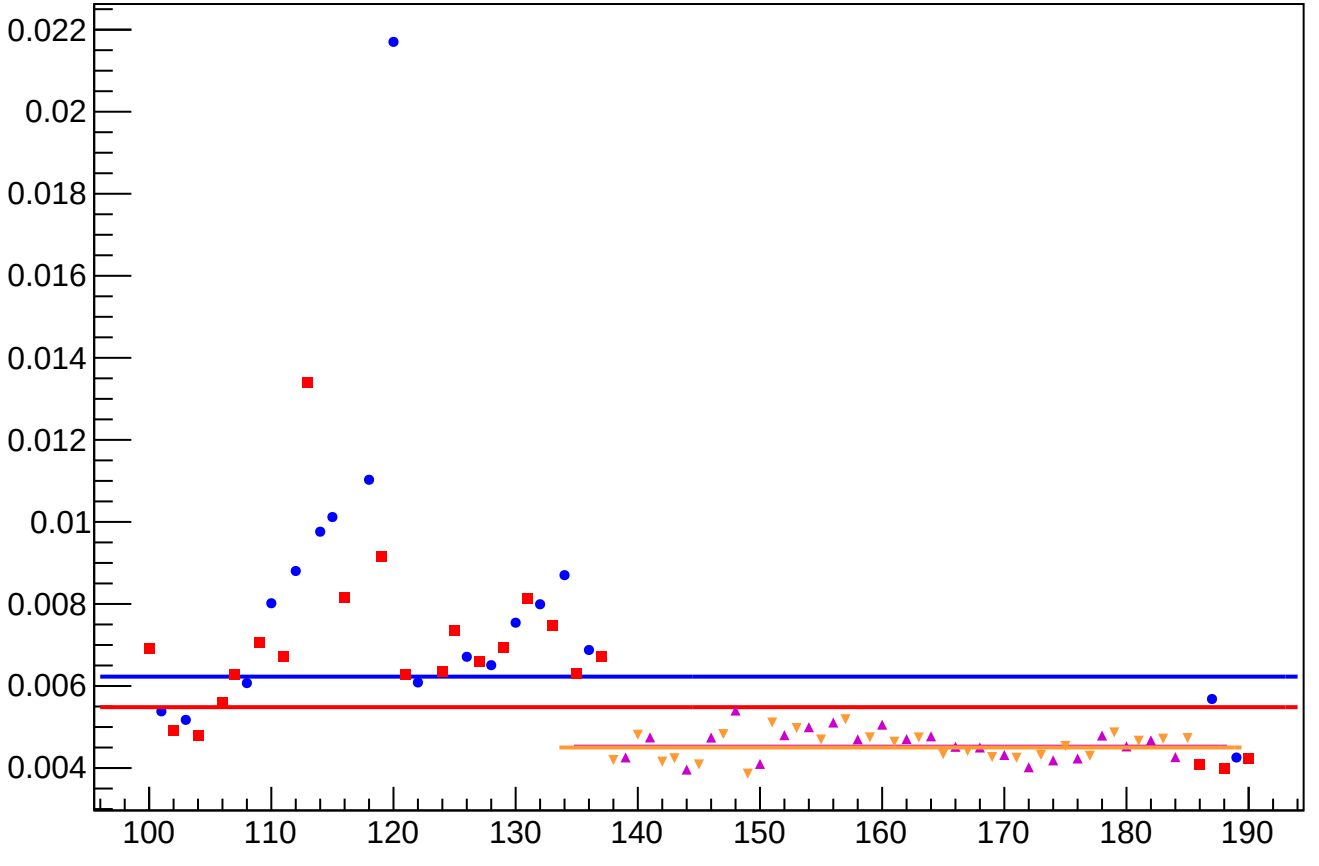
In: 0.007+/-0.000 χ^2/NDF:3062399.6/40

Out: 0.007+/-0.000 χ^2/NDF:2726351.5/46

All: 0.007+/-0.000 χ^2/NDF: 5788758.8/87


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: -1.302+/-0.000 χ²/NDF: 23935568308.2/17
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.388+/-0.000 χ²/NDF: 63292193877.2/21
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.353+/-0.000 χ²/NDF: 87942988965.4/39
In: -0.580+/-0.000 χ²/NDF:141259998352.6/40
Out: -0.658+/-0.000 χ²/NDF:258674157895.3/46
All: -0.622+/-0.000 χ²/NDF: 403141699267.1

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 935223.6/17

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1126176.0/21

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

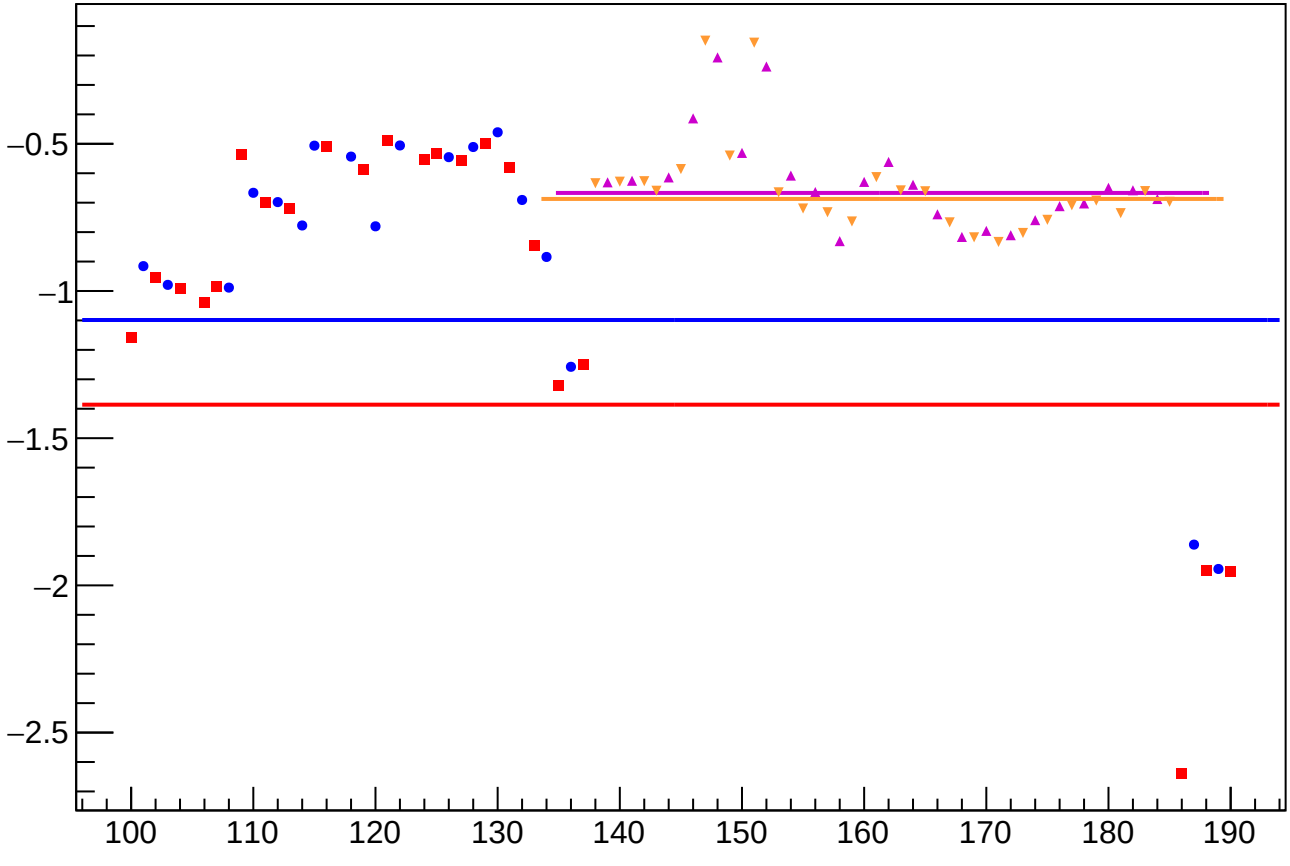
Right: 0.006+/-0.000 χ^2/NDF: 2168999.5/39

In: 0.005+/-0.000 χ^2/NDF:1933054.5/40

Out: 0.005+/-0.000 χ^2/NDF:1683985.2/46

All: 0.005+/-0.000 χ^2/NDF: 3624799.2/87

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.099+/-0.000 χ^2/NDF: 68643113953.9/17

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.386+/-0.000 χ^2/NDF: 177228524318.2/21

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

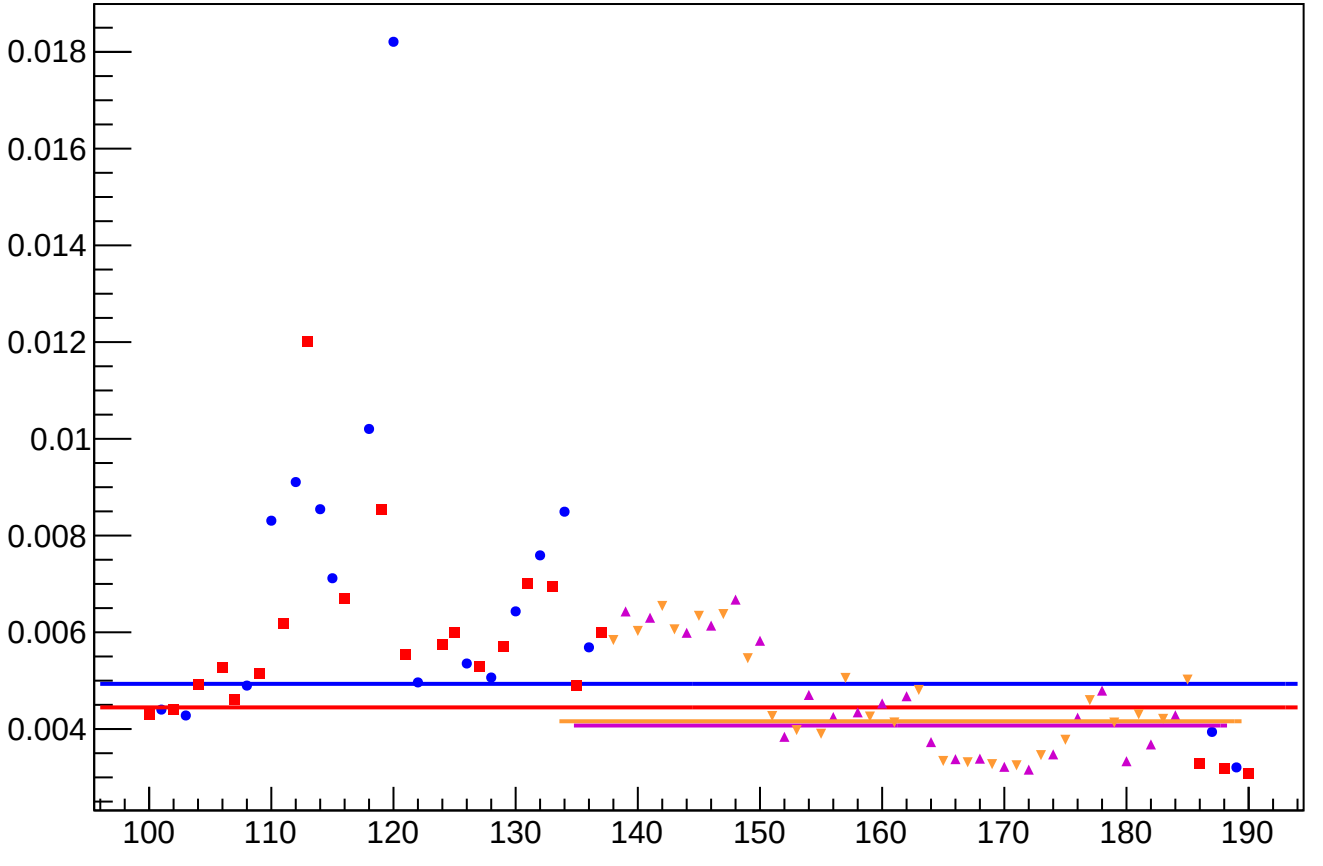
Right: -1.270+/-0.000 χ^2/NDF: 258010546144.3/39

In: -0.756+/-0.000 χ^2/NDF:127594742659.2/40

Out: -0.879+/-0.000 χ^2/NDF:328696982486.7/46

All: -0.820+/-0.000 χ^2/NDF: 465833558255.2

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1386398.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1435001.2/21

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

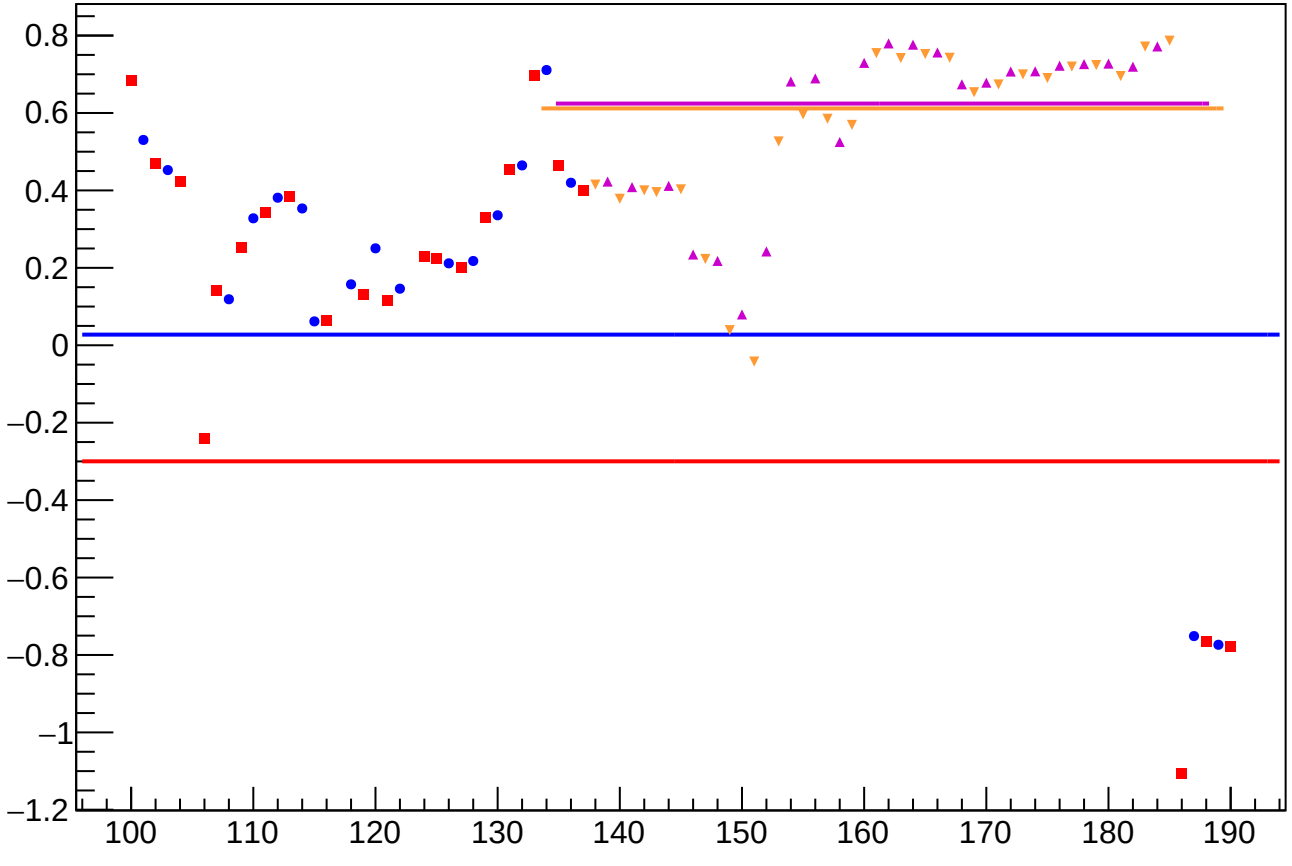
Right: 0.005+/-0.000 χ^2/NDF: 2890902.1/39

In: 0.004+/-0.000 χ^2/NDF:3426651.3/40

Out: 0.004+/-0.000 χ^2/NDF:2998512.5/46

All: 0.004+/-0.000 χ^2/NDF: 6425305.0/87

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 147084726026.1/17

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.300+/-0.000 χ^2/NDF: 322685687998.3/21

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

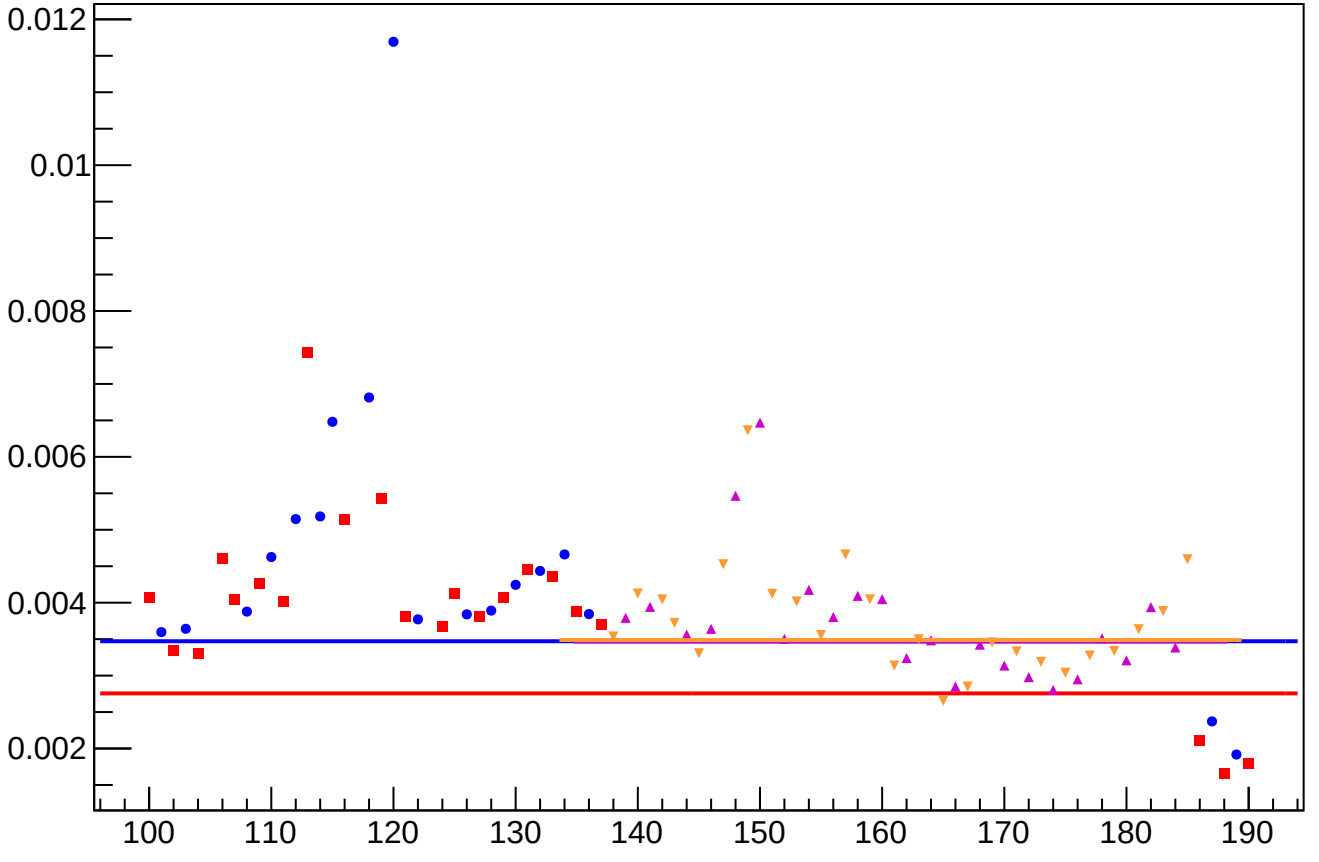
Right: -0.180+/-0.000 χ^2/NDF: 505059887029.8/39

In: 0.451+/-0.000 χ^2/NDF:318595449024.8/40

Out: 0.242+/-0.000 χ^2/NDF:813571871091.9/46

All: 0.335+/-0.000 χ^2/NDF: 1175572133418.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1456639.7/17

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2525463.6/21

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

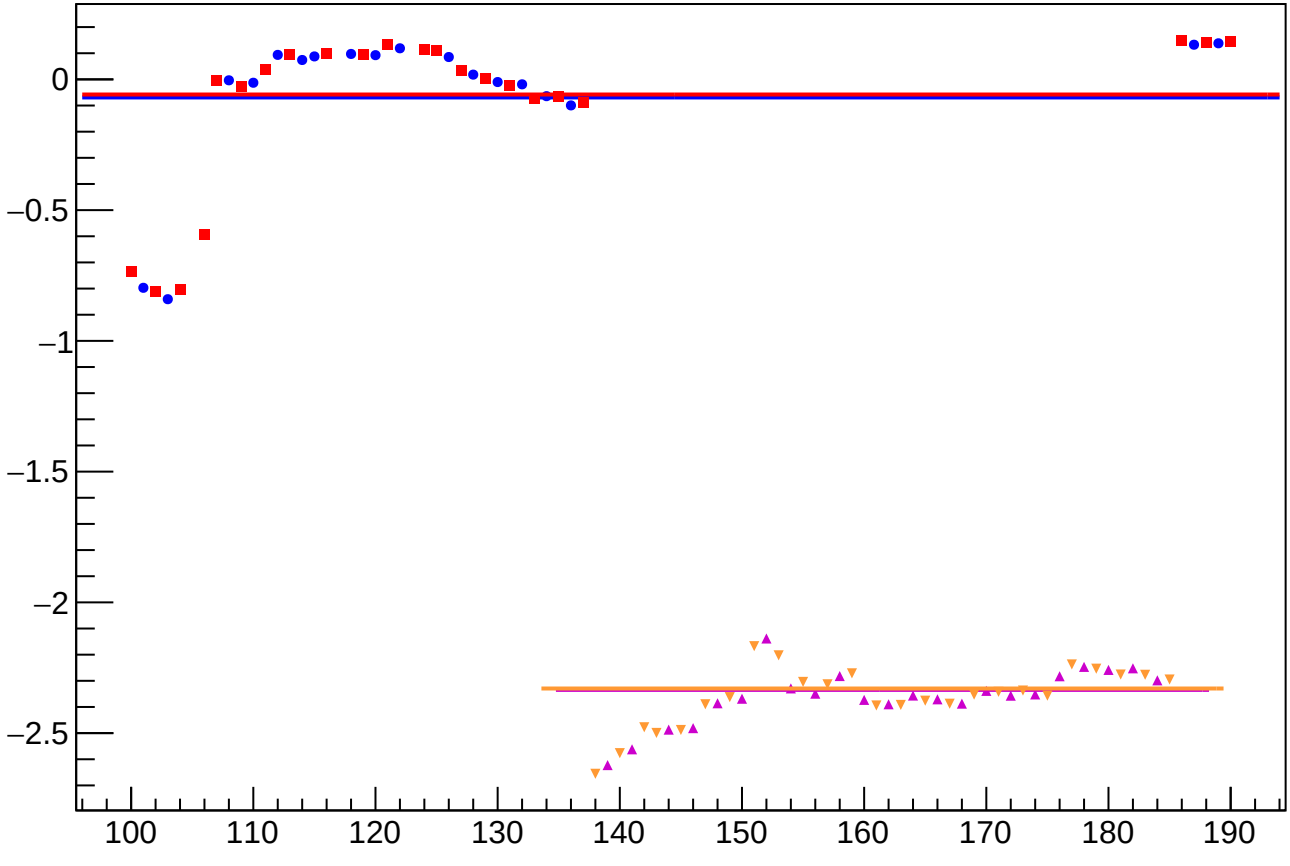
Right: 0.003+/-0.000 χ^2/NDF: 4319157.5/39

In: 0.003+/-0.000 χ^2/NDF:2350777.7/40

Out: 0.003+/-0.000 χ^2/NDF:3950327.9/46

All: 0.003+/-0.000 χ^2/NDF: 6453505.1/87

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.000 χ^2/NDF: 5841743548.1/17

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.058+/-0.000 χ^2/NDF: 7100856833.6/21

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

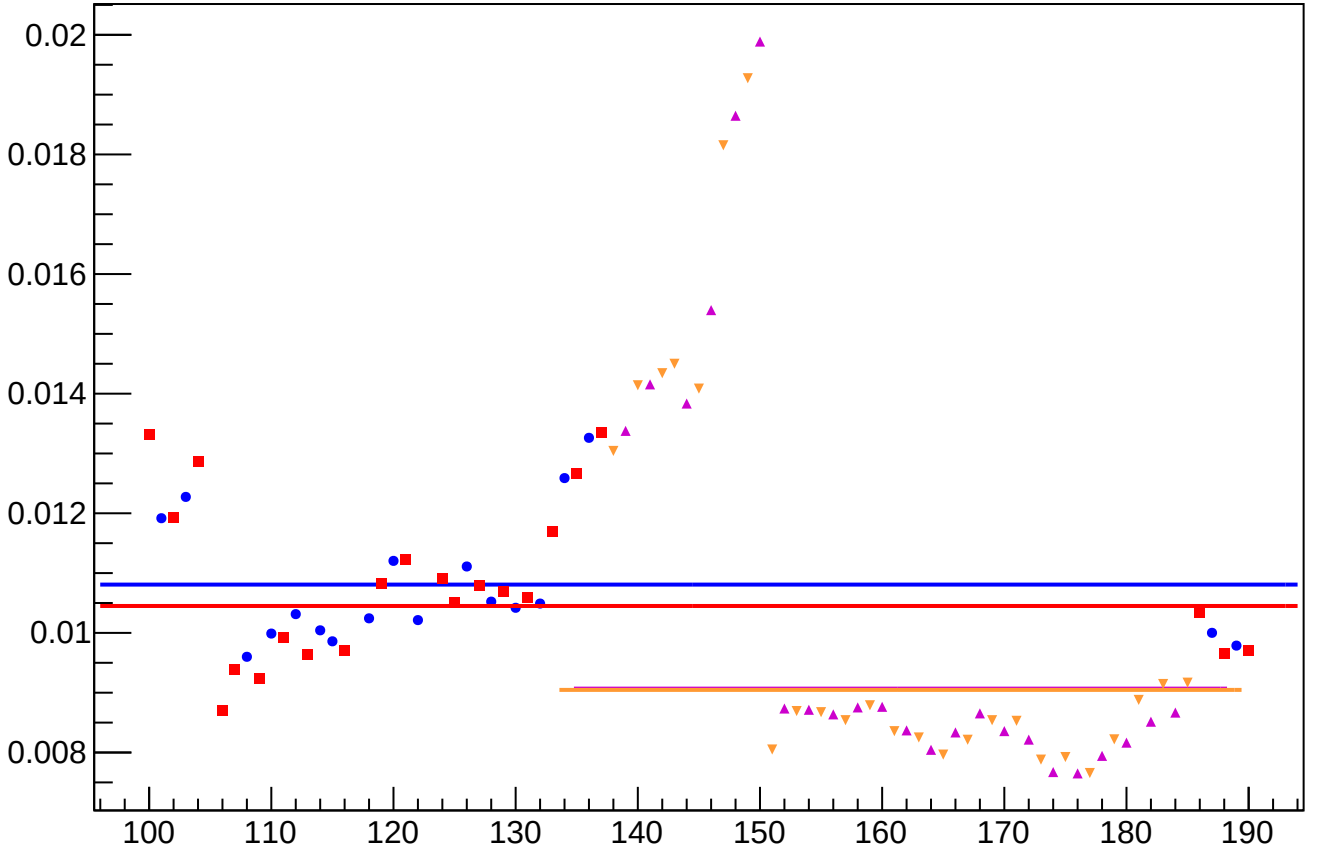
Right: -0.063+/-0.000 χ^2/NDF: 12947276839.1/39

In: -1.784+/-0.000 χ^2/NDF:267963060725.5/40

Out: -1.712+/-0.000 χ^2/NDF:320714022193.8/46

All: -1.746+/-0.000 χ^2/NDF: 589423770254.1

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 152137.3/17

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 211276.0/21

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

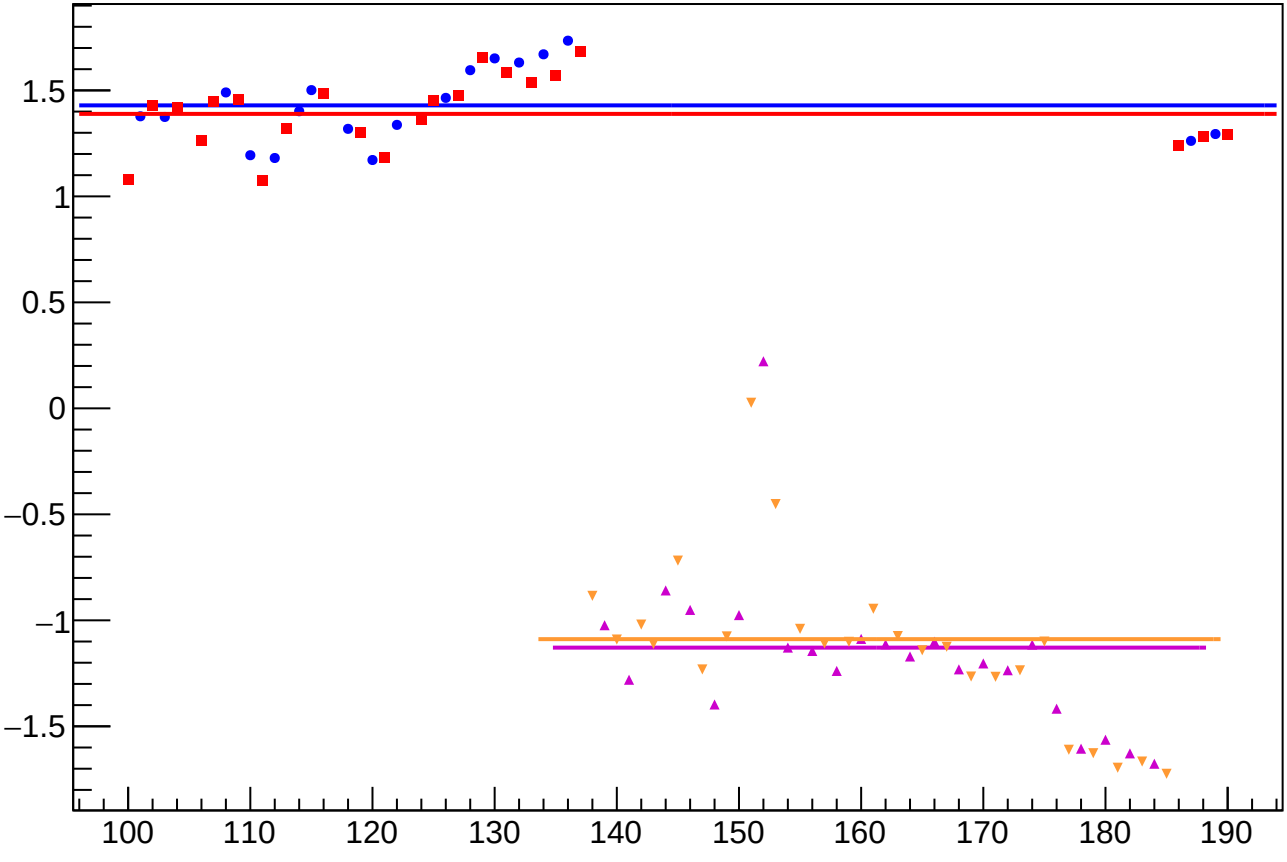
Right: 0.011+/-0.000 χ^2/NDF: 372896.6/39

In: 0.009+/-0.000 χ^2/NDF:2593445.6/40

Out: 0.009+/-0.000 χ^2/NDF:2497808.3/46

All: 0.009+/-0.000 χ^2/NDF: 5092395.3/87

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.429+/-0.000 χ^2/NDF: 4019374626.4/17

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.389+/-0.000 χ^2/NDF: 3327307099.8/21

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

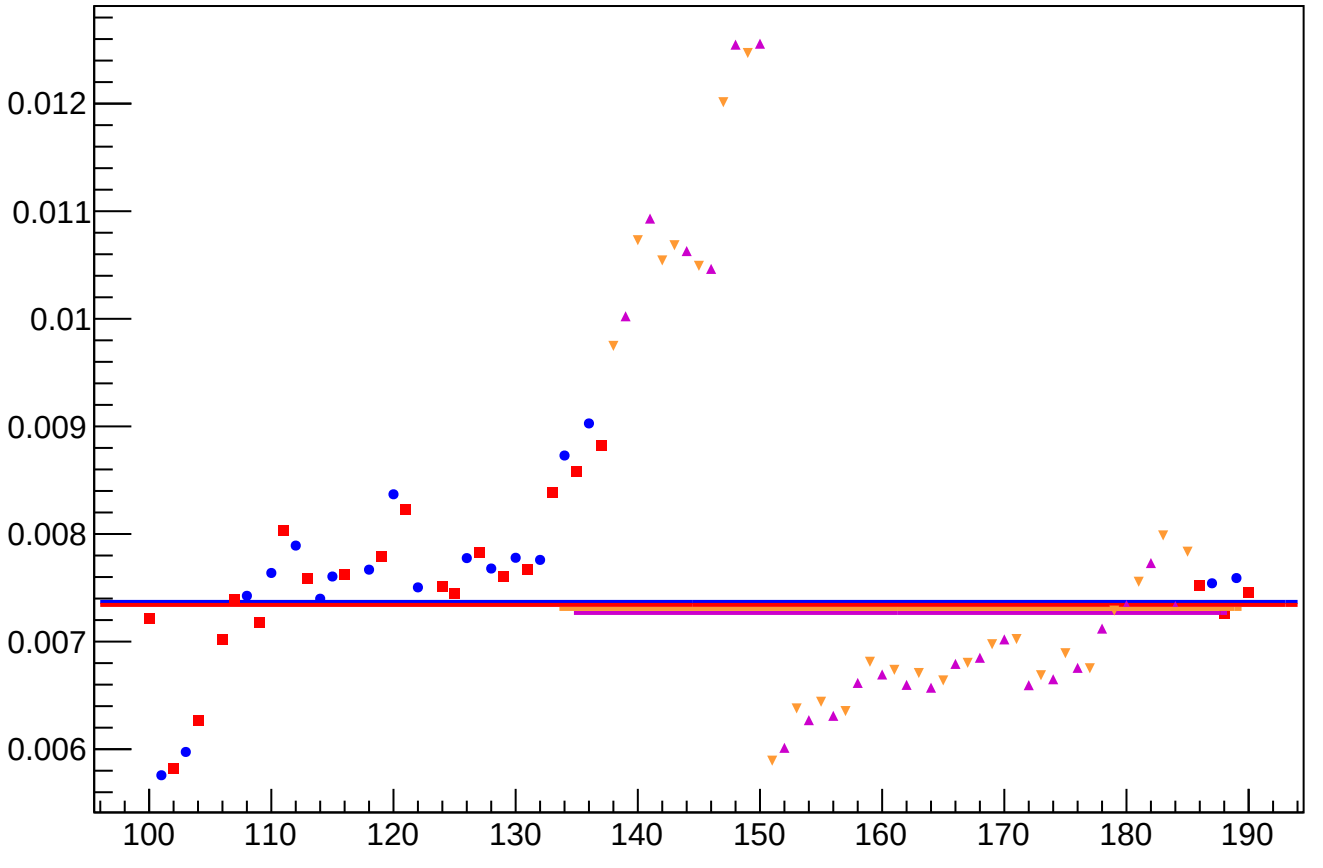
Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

Right: 1.408+/-0.000 χ^2/NDF: 7471442882.6/39

In: -0.357+/-0.000 χ^2/NDF:716535162673.9/40

Out: -0.279+/-0.000 χ^2/NDF:759587173972.8/46

All: -0.316+/-0.000 χ^2/NDF: 1477603132183



Right In: 0.007+/-0.000 χ^2/NDF: 272044.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 196247.1/21

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

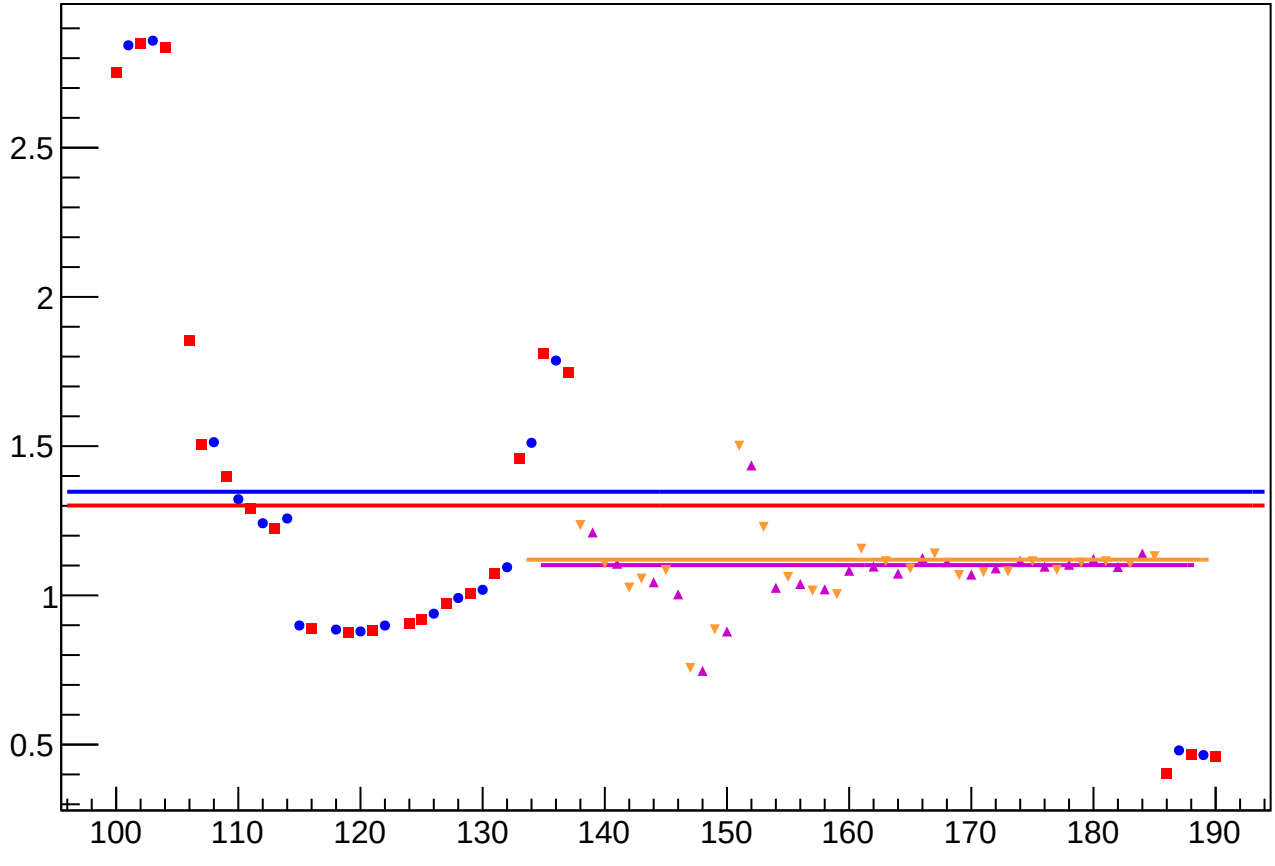
Right: 0.007+/-0.000 χ^2/NDF: 468411.6/39

In: 0.007+/-0.000 χ^2/NDF:1834237.6/40

Out: 0.007+/-0.000 χ^2/NDF:1700667.7/46

All: 0.007+/-0.000 χ^2/NDF: 3535074.6/87

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.347+/-0.000 χ^2/NDF: 64327327133.0/17

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.301+/-0.000 χ^2/NDF: 69430238446.8/21

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

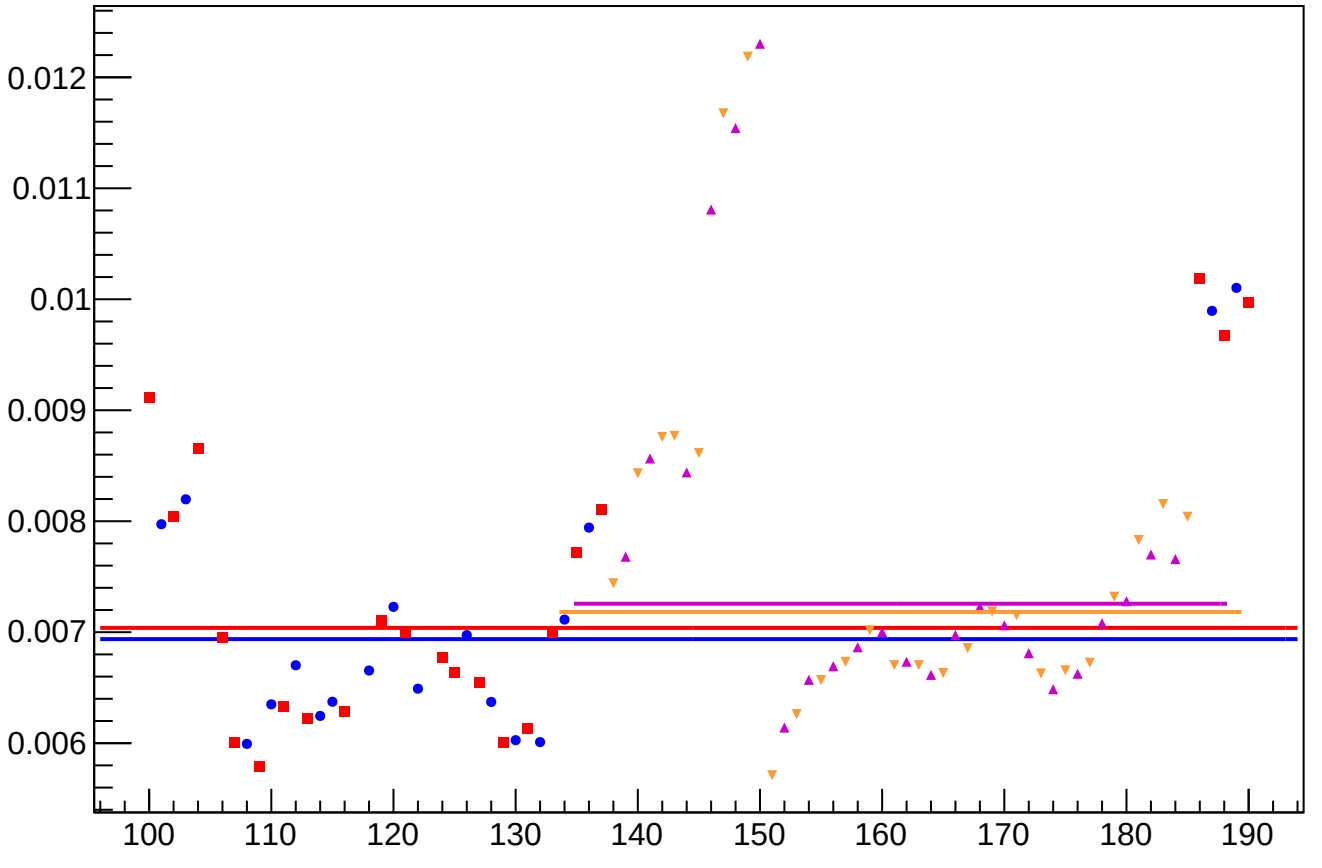
Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

Right: 1.323+/-0.000 χ^2/NDF: 133937682510.6/39

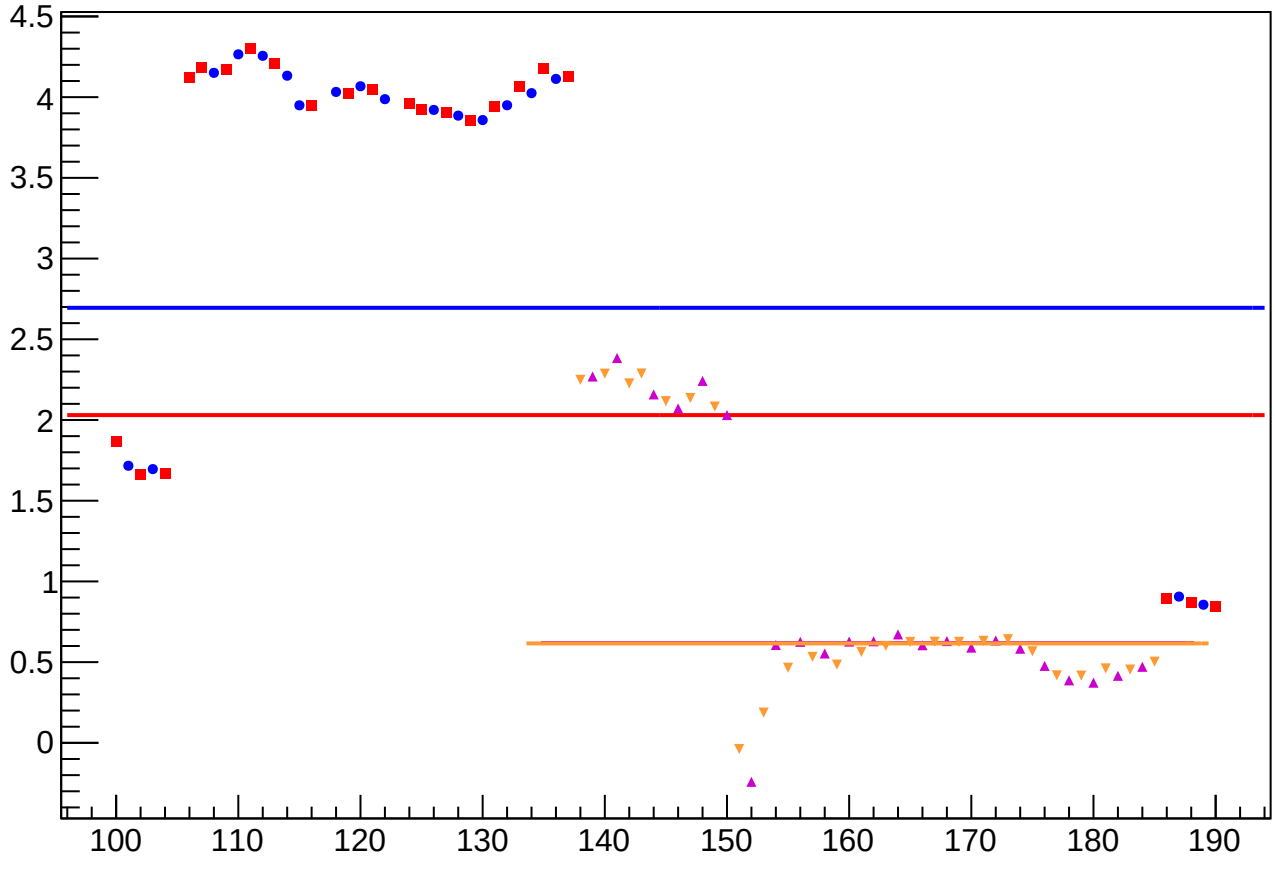
In: 1.182+/-0.000 χ^2/NDF:75081578207.6/40

Out: 1.180+/-0.000 χ^2/NDF:78881739344.1/46

All: 1.181+/-0.000 χ^2/NDF: 153963684411.1


yield_bpm1i04X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 307892.2/17
Left Out: 0.007+/-0.000 χ²/NDF:893807.0/24
Right Out: 0.007+/-0.000 χ²/NDF: 505878.5/21
Left In: 0.007+/-0.000 χ²/NDF:916696.6/22
Left: 0.007+/-0.000 χ²/NDF: 1812400.5/47
Right: 0.007+/-0.000 χ²/NDF: 815514.1/39
In: 0.007+/-0.000 χ²/NDF:1246670.8/40
Out: 0.007+/-0.000 χ²/NDF:1404614.3/46
All: 0.007+/-0.000 χ²/NDF: 2651454.0/87

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 2.695+/-0.000 χ^2/NDF: 765115753256.6/17

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 2.030+/-0.000 χ^2/NDF: 1276408664976.9/21

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

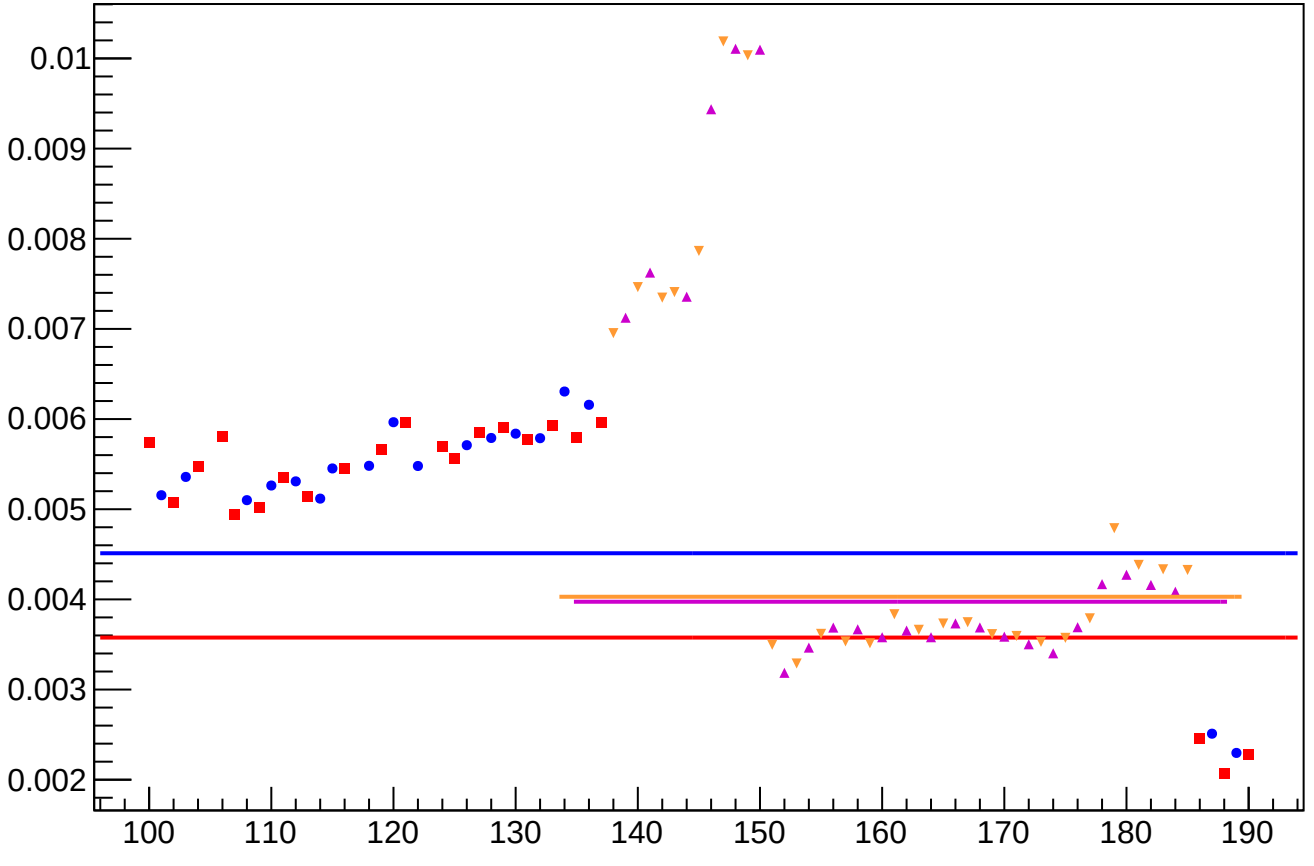
Right: 2.280+/-0.000 χ^2/NDF: 2136400528386.3/39

In: 1.139+/-0.000 χ^2/NDF:2130171639679.4/40

Out: 1.113+/-0.000 χ^2/NDF:2270998570974.5/46

All: 1.125+/-0.000 χ^2/NDF: 4401671274322.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1642895.1/17

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3170143.0/21

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

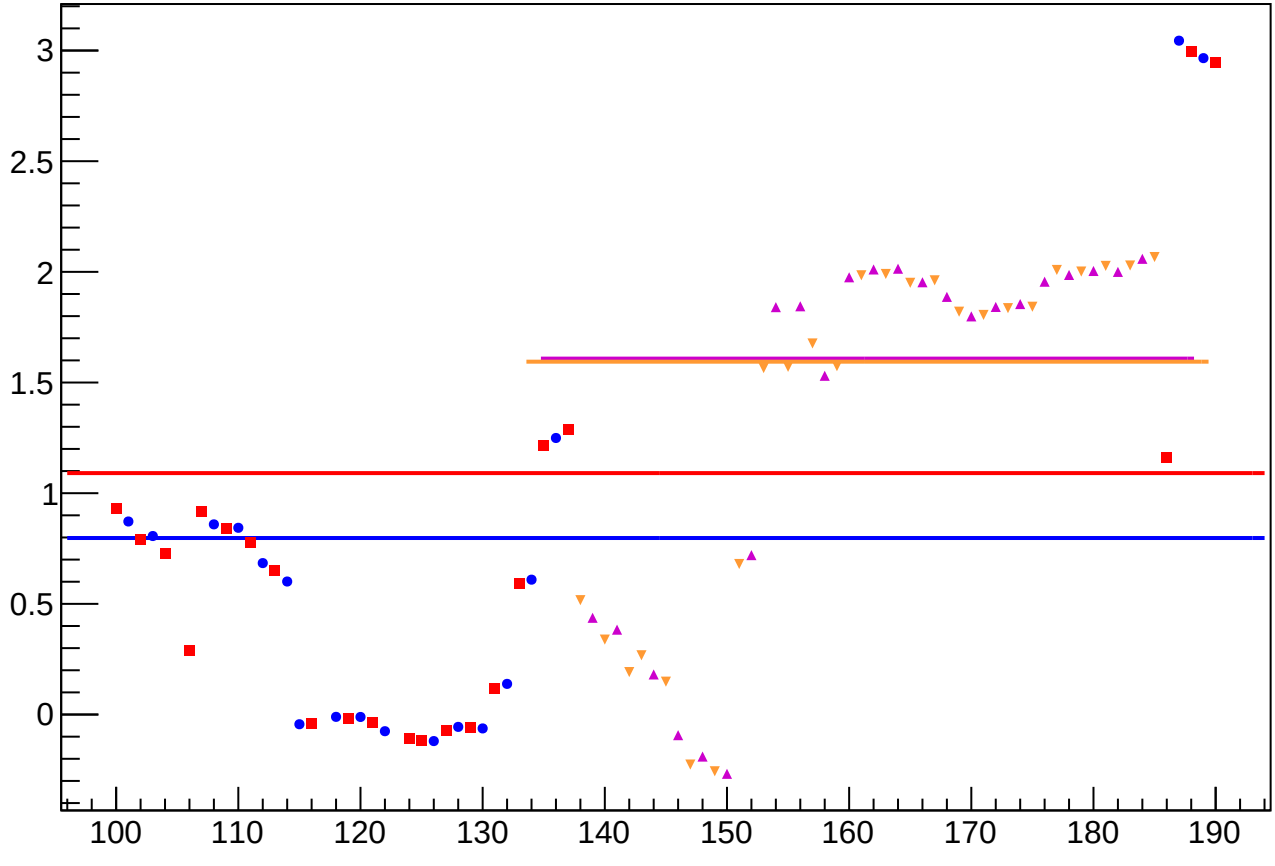
Right: 0.004+/-0.000 χ^2/NDF: 5188779.6/39

In: 0.004+/-0.000 χ^2/NDF:4913811.5/40

Out: 0.004+/-0.000 χ^2/NDF:6287351.9/46

All: 0.004+/-0.000 χ^2/NDF: 11285965.9/87

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.797+/-0.000 χ^2/NDF: 42349980259.5/17

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.091+/-0.000 χ^2/NDF: 65993709269.7/21

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

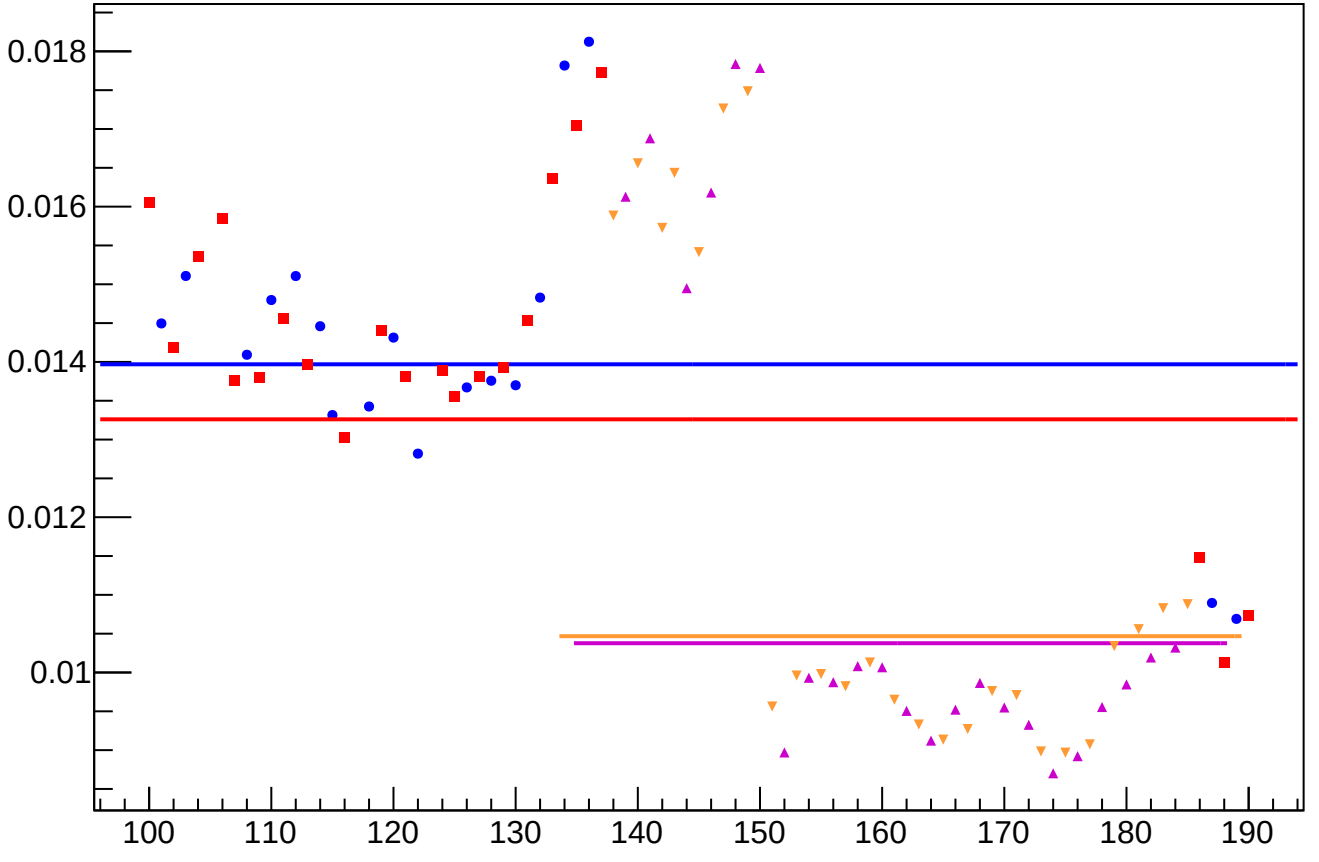
Right: 0.961+/-0.000 χ^2/NDF: 110246026950.7/39

In: 1.448+/-0.000 χ^2/NDF:129630431462.3/40

Out: 1.478+/-0.000 χ^2/NDF:138383238854.7/46

All: 1.463+/-0.000 χ^2/NDF: 268109698092.0

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 285125.3/17

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 417020.1/21

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

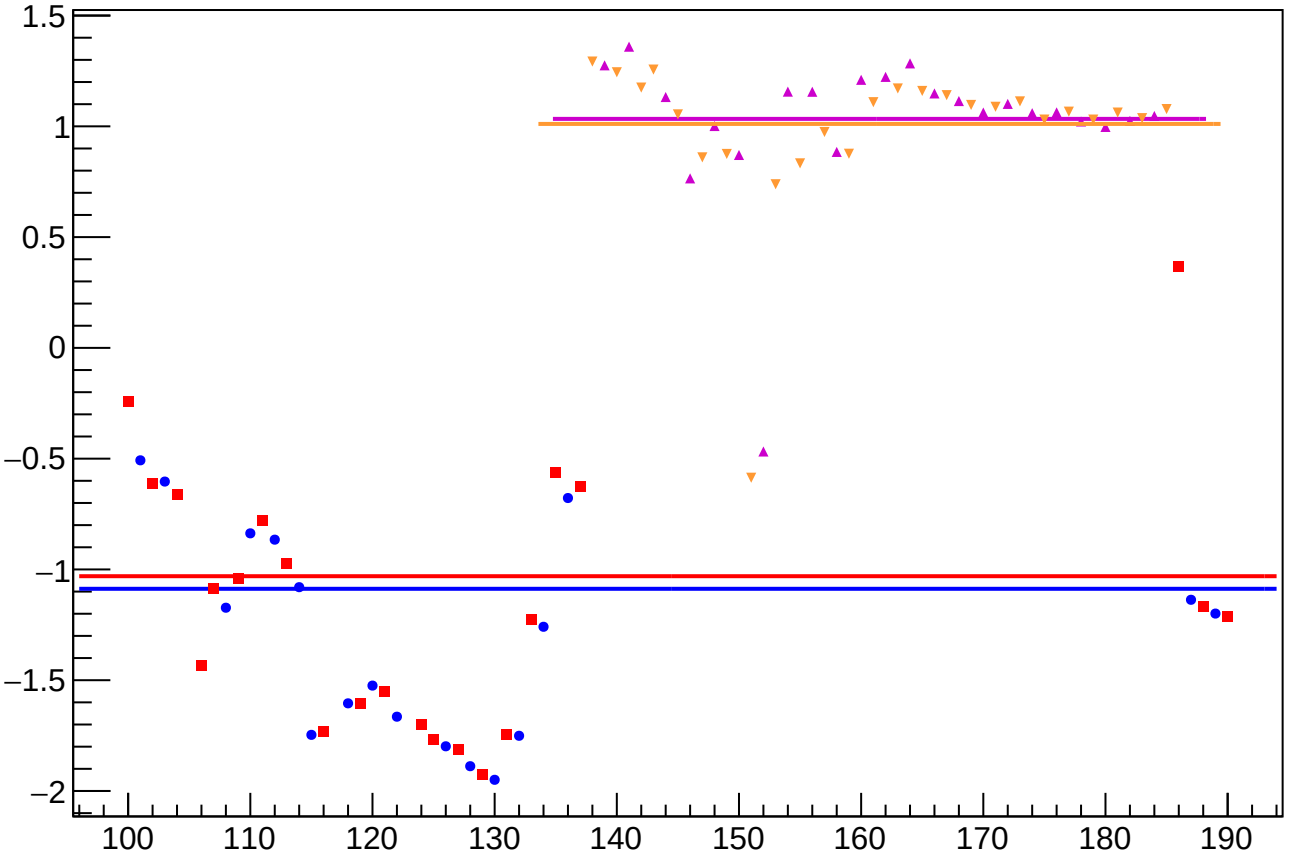
Right: 0.014+/-0.000 χ^2/NDF: 724367.4/39

In: 0.011+/-0.000 χ^2/NDF:2815886.8/40

Out: 0.011+/-0.000 χ^2/NDF:2678959.7/46

All: 0.011+/-0.000 χ^2/NDF: 5494970.1/87

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.087+/-0.000 χ^2/NDF: 59934832789.7/17

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.031+/-0.000 χ^2/NDF: 66909965211.0/21

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

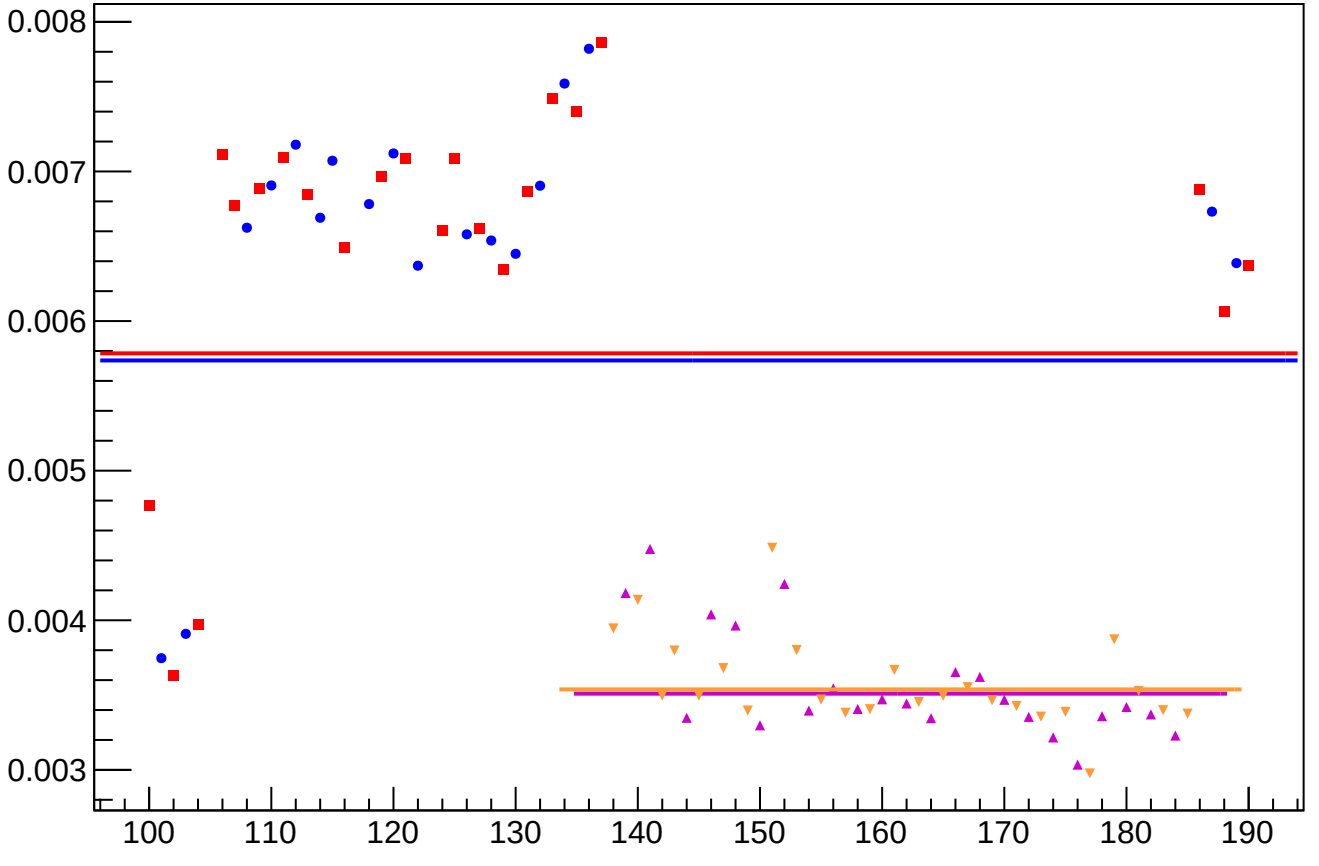
Right: -1.057+/-0.000 χ^2/NDF: 127211627713.5/39

In: 0.743+/-0.000 χ^2/NDF:1016044583709.3/40

Out: 0.712+/-0.000 χ^2/NDF:1036946173645.4/46

All: 0.727+/-0.000 χ^2/NDF: 2053763834805.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 964597.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1013859.4/21

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

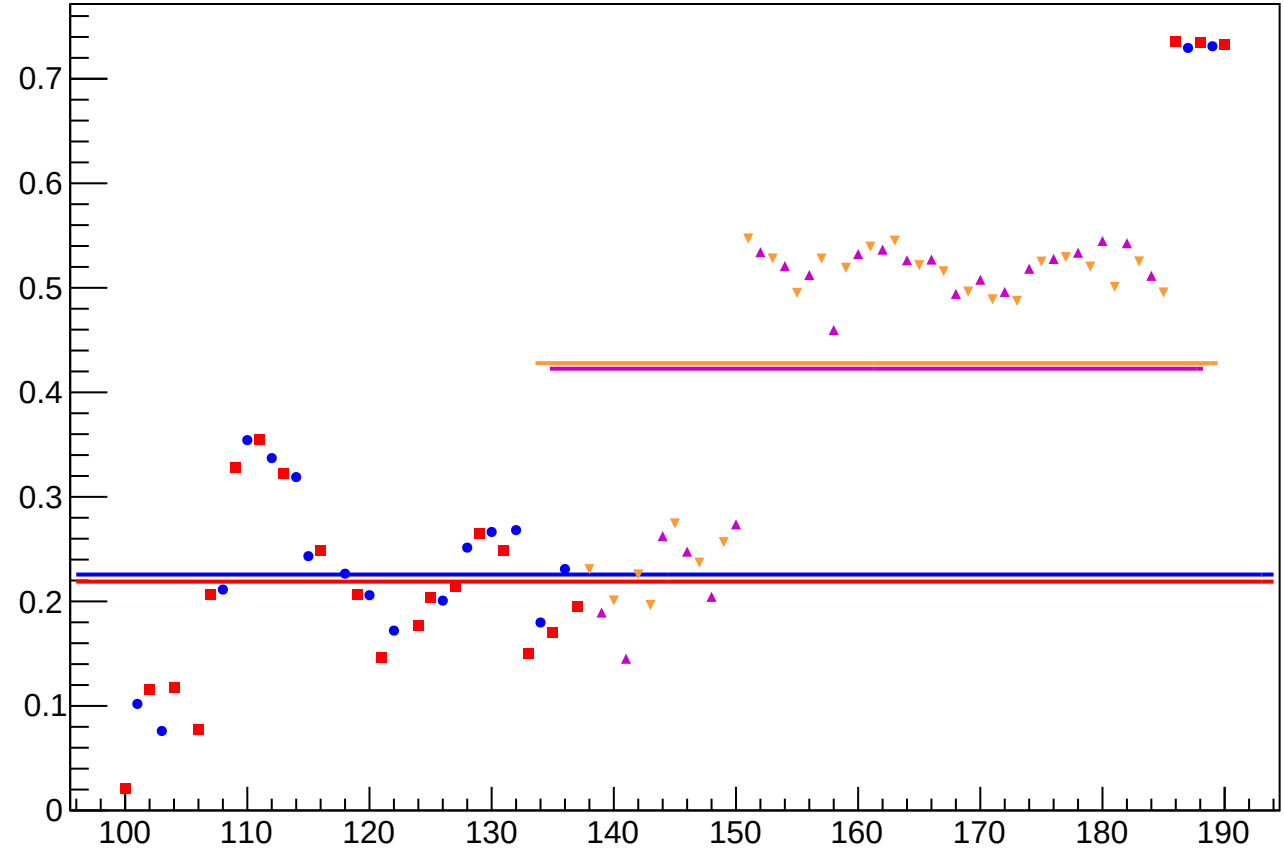
Right: 0.006+/-0.000 χ^2/NDF: 1978965.4/39

In: 0.004+/-0.000 χ^2/NDF:3081546.7/40

Out: 0.004+/-0.000 χ^2/NDF:3309217.3/46

All: 0.004+/-0.000 χ^2/NDF: 6395112.6/87

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.226+/-0.000 χ^2/NDF: 27810602151.4/17

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.219+/-0.000 χ^2/NDF: 51286486196.9/21

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

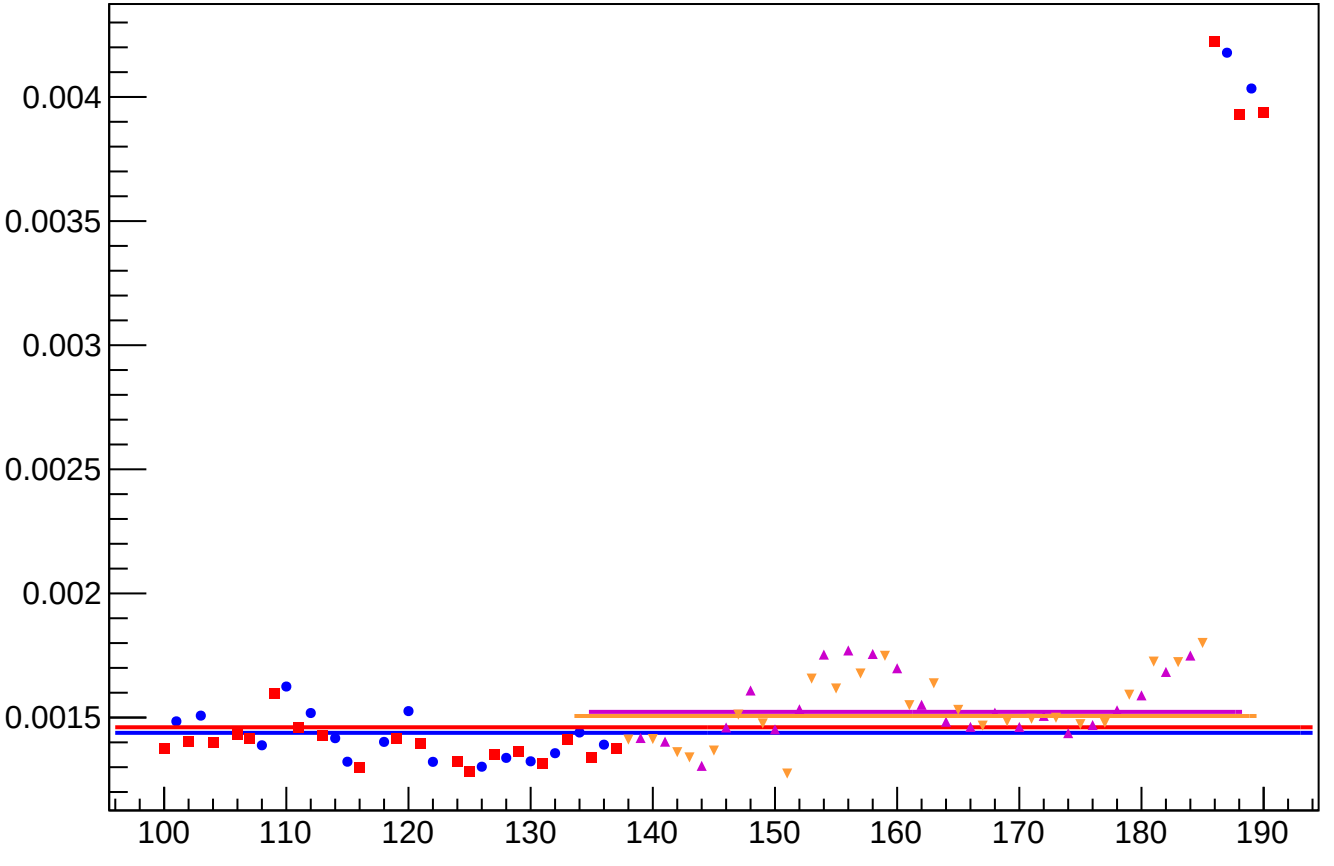
Right: 0.222+/-0.000 χ^2/NDF: 79181910585.6/39

In: 0.361+/-0.000 χ^2/NDF:280389562762.0/40

Out: 0.362+/-0.000 χ^2/NDF:321427121306.8/46

All: 0.361+/-0.000 χ^2/NDF: 601821495432.7

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 650158.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1436300.0/21

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

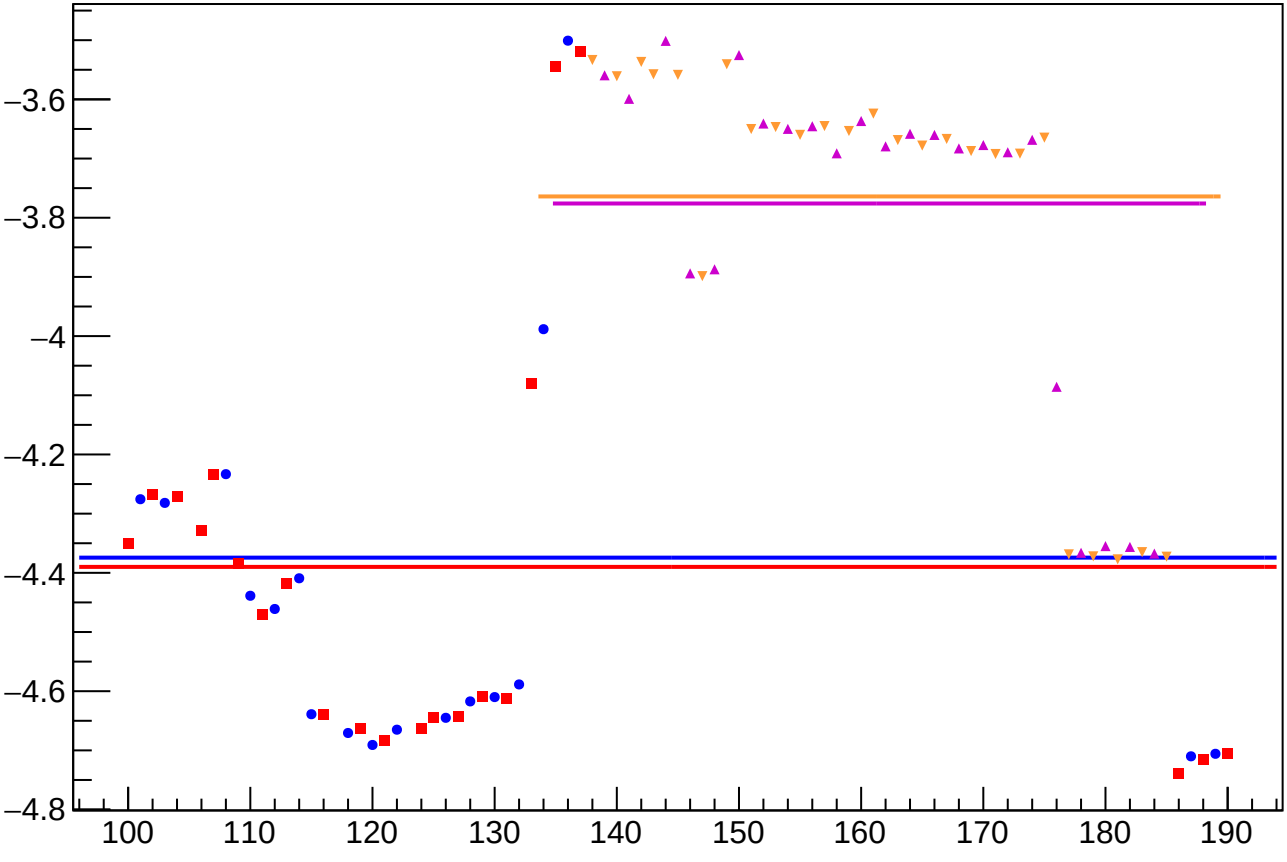
Right: 0.001+/-0.000 χ^2/NDF: 2088330.2/39

In: 0.001+/-0.000 χ^2/NDF:919615.8/40

Out: 0.001+/-0.000 χ^2/NDF:1726169.8/46

All: 0.001+/-0.000 χ^2/NDF: 2646024.7/87

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.374+/-0.000 χ^2/NDF: 359978230356.3/17

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.390+/-0.000 χ^2/NDF: 315348910769.0/21

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

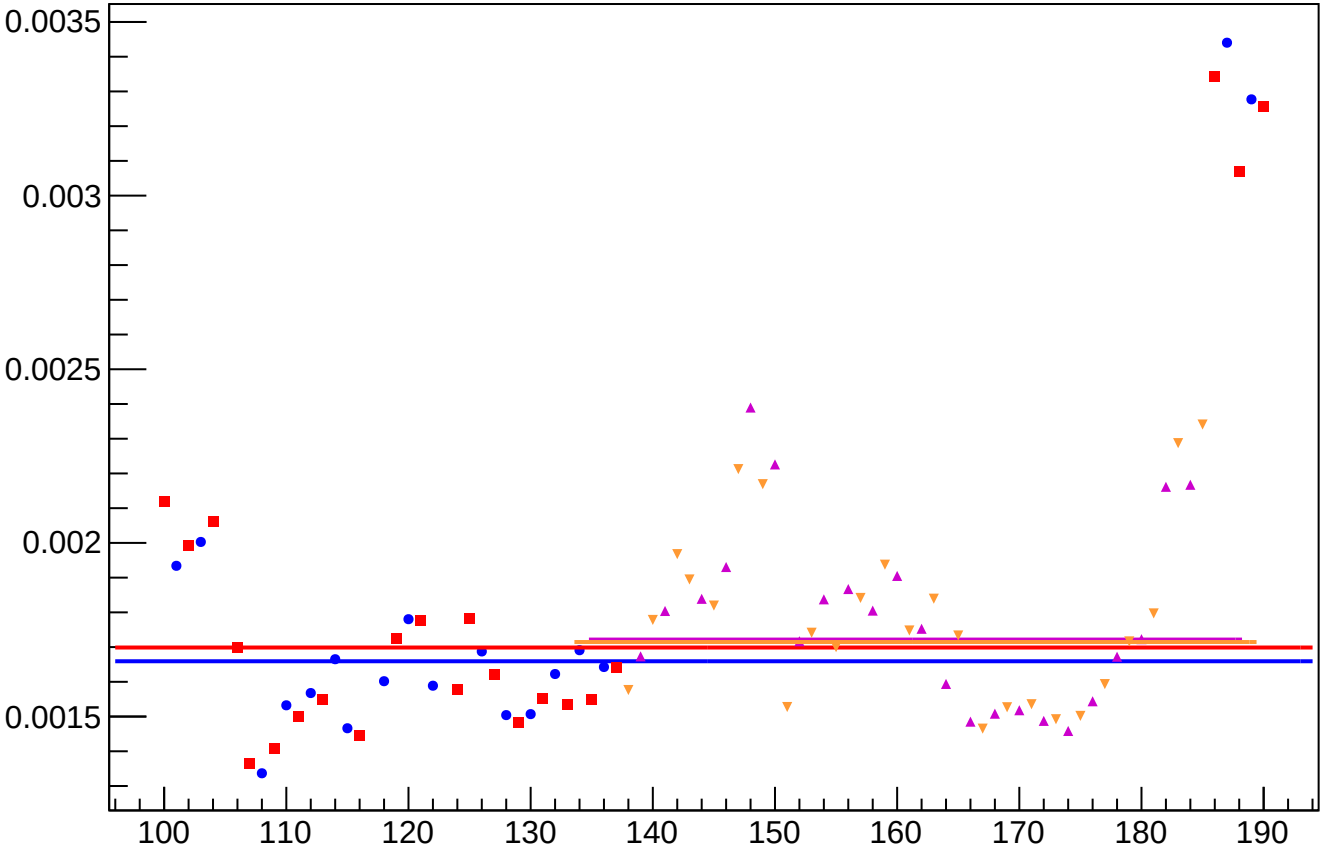
Right: -4.382+/-0.000 χ^2/NDF: 675668853245.2/39

In: -3.962+/-0.000 χ^2/NDF:1423451810289.1/40

Out: -3.962+/-0.000 χ^2/NDF:1579939061737.0/46

All: -3.962+/-0.000 χ^2/NDF: 3003391594879

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 486803.5/17

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 951104.6/21

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

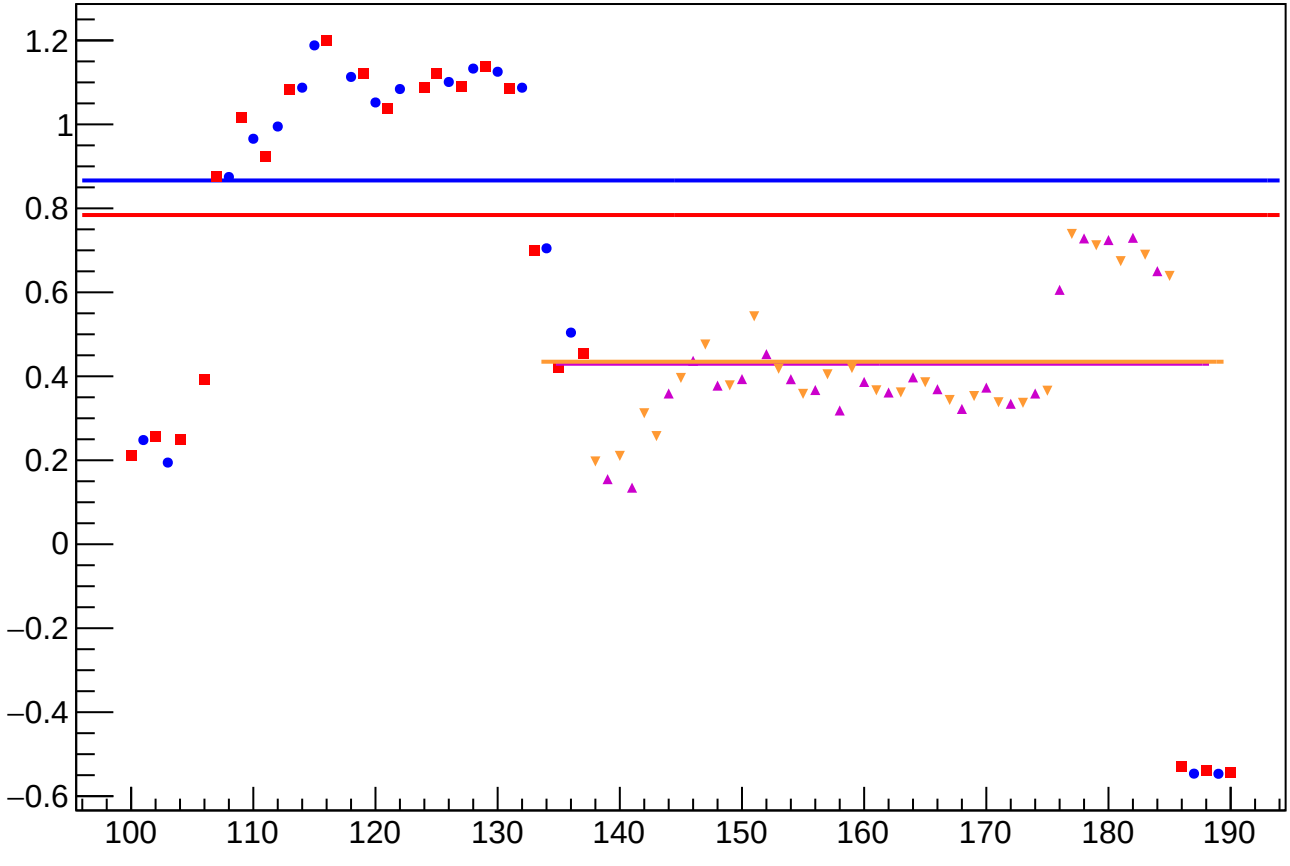
Right: 0.002+/-0.000 χ^2/NDF: 1442280.1/39

In: 0.002+/-0.000 χ^2/NDF:1083065.9/40

Out: 0.002+/-0.000 χ^2/NDF:1514439.7/46

All: 0.002+/-0.000 χ^2/NDF: 2597992.5/87

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.866+/-0.000 χ^2/NDF: 28379091495.1/17

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.784+/-0.000 χ^2/NDF: 48078138569.7/21

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

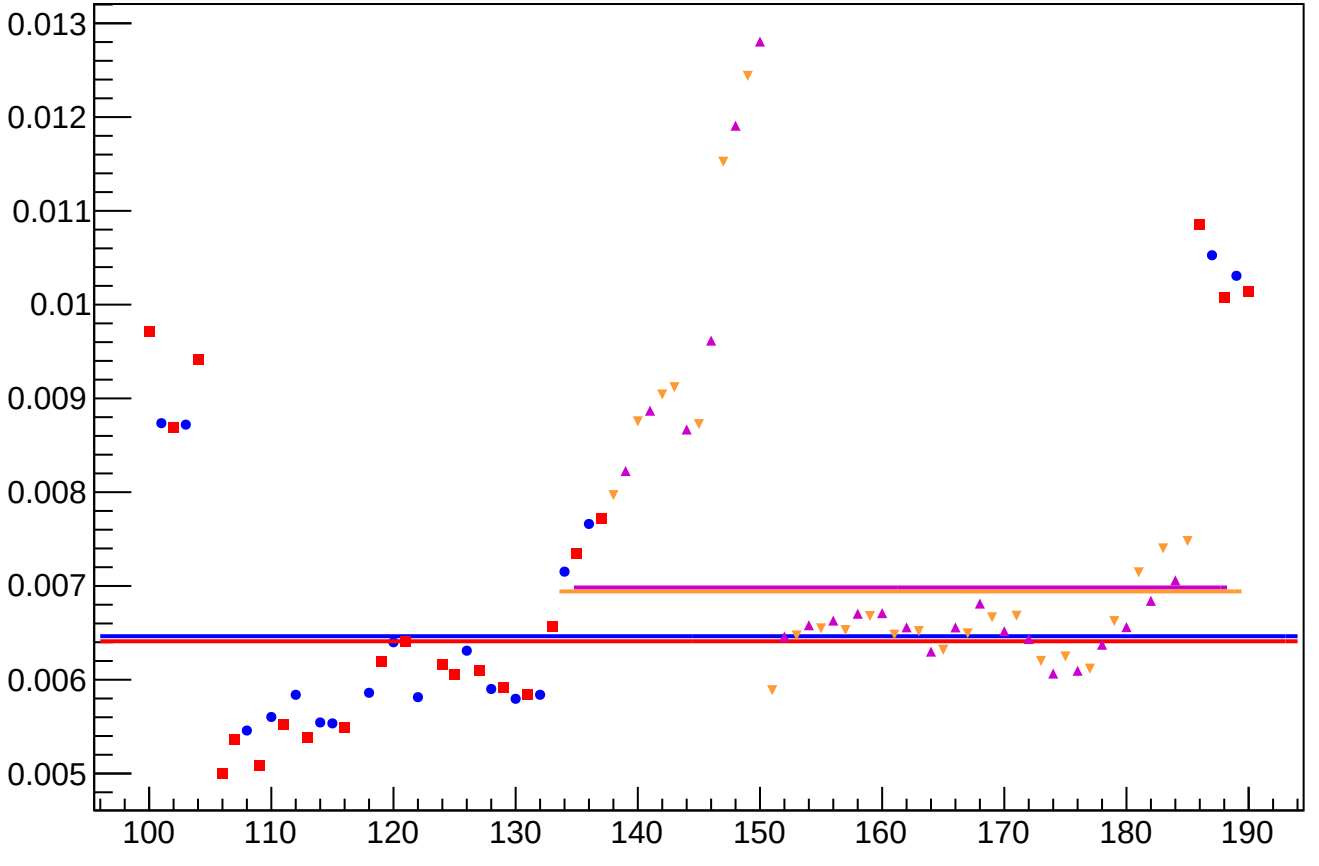
Right: 0.822+/-0.000 χ^2/NDF: 77121253997.7/39

In: 0.576+/-0.000 χ^2/NDF:60541494757.7/40

Out: 0.558+/-0.000 χ^2/NDF:73298787946.1/46

All: 0.567+/-0.000 χ^2/NDF: 133933752953.7

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 546143.9/17

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 954501.7/21

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

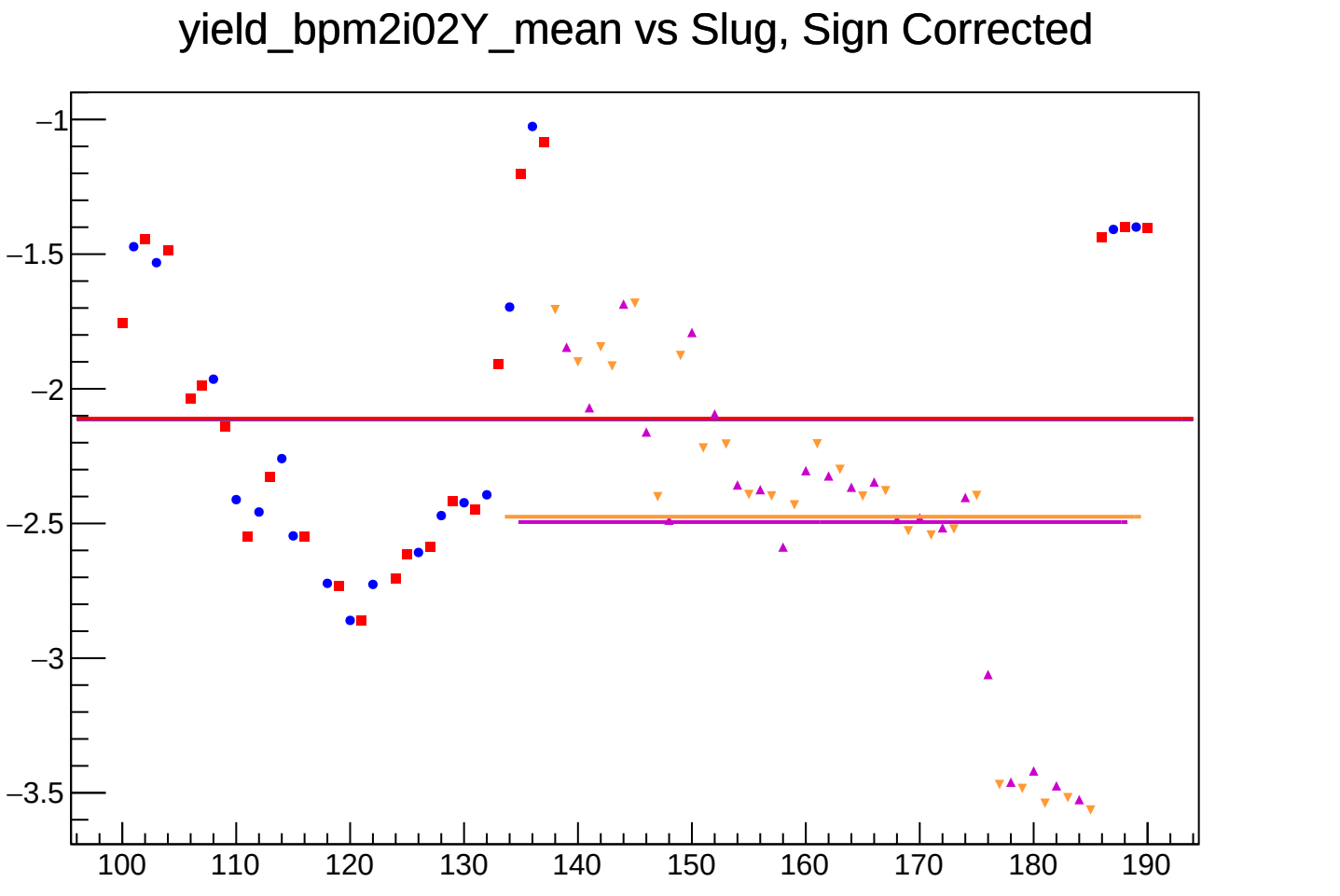
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.006+/-0.000 χ^2/NDF: 1501212.5/39

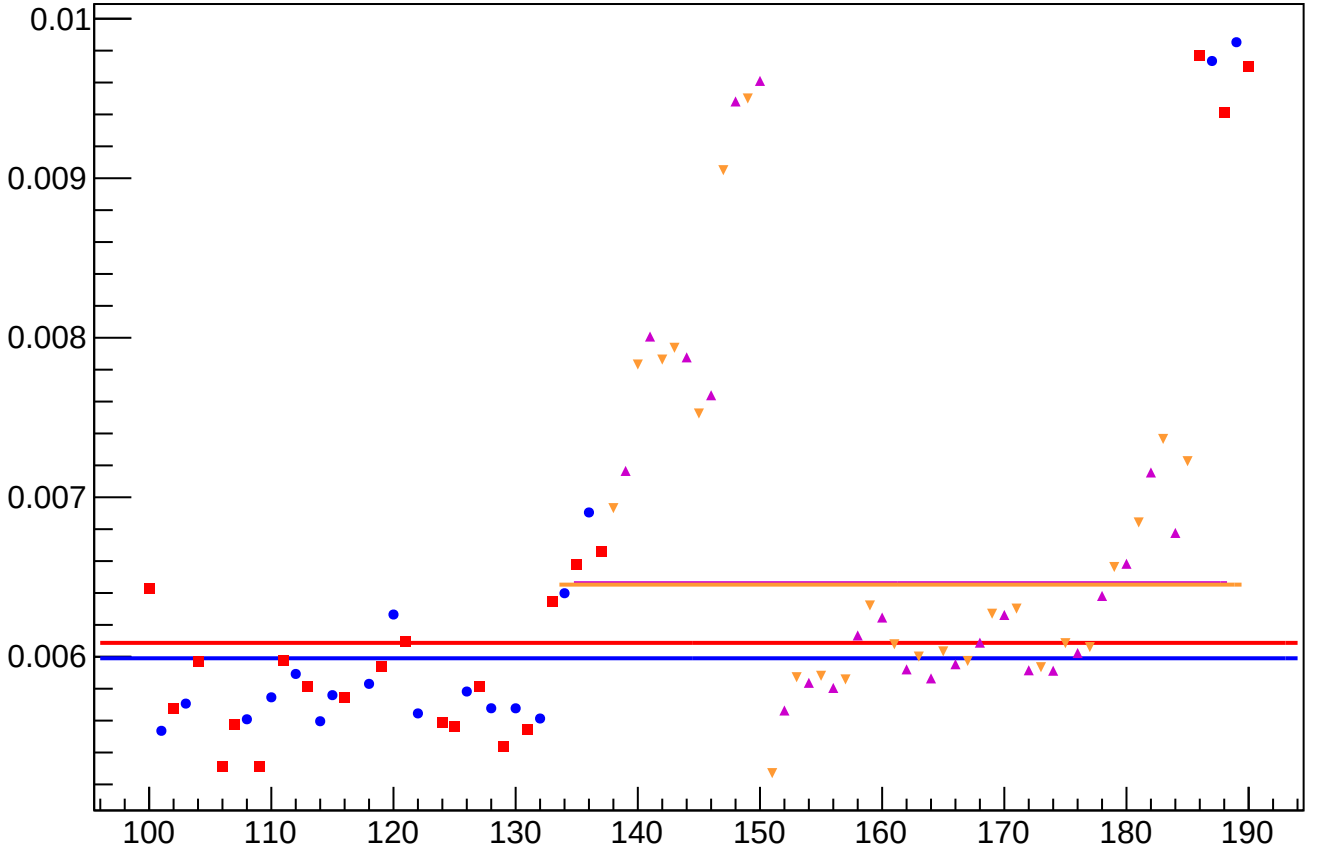
In: 0.007+/-0.000 χ^2/NDF:1748268.3/40

Out: 0.007+/-0.000 χ^2/NDF:2122793.2/46

All: 0.007+/-0.000 χ^2/NDF: 3872820.6/87


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
190
Right In: -2.113+/-0.000 χ²/NDF: 69490233276.9/17
Left Out: -2.475+/-0.000 χ²/NDF:122955897541.5/24
Right Out: -2.111+/-0.000 χ²/NDF: 67314593318.9/21
Left In: -2.495+/-0.000 χ²/NDF:96774638297.6/22
Left: -2.485+/-0.000 χ²/NDF: 219817663018.7/47
Right: -2.112+/-0.000 χ²/NDF: 136805563226.0/39
In: -2.367+/-0.000 χ²/NDF:187261105939.8/40
Out: -2.349+/-0.000 χ²/NDF:211151635199.2/46
All: -2.357+/-0.000 χ²/NDF: 398518398165.5

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 283788.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 540124.9/21

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

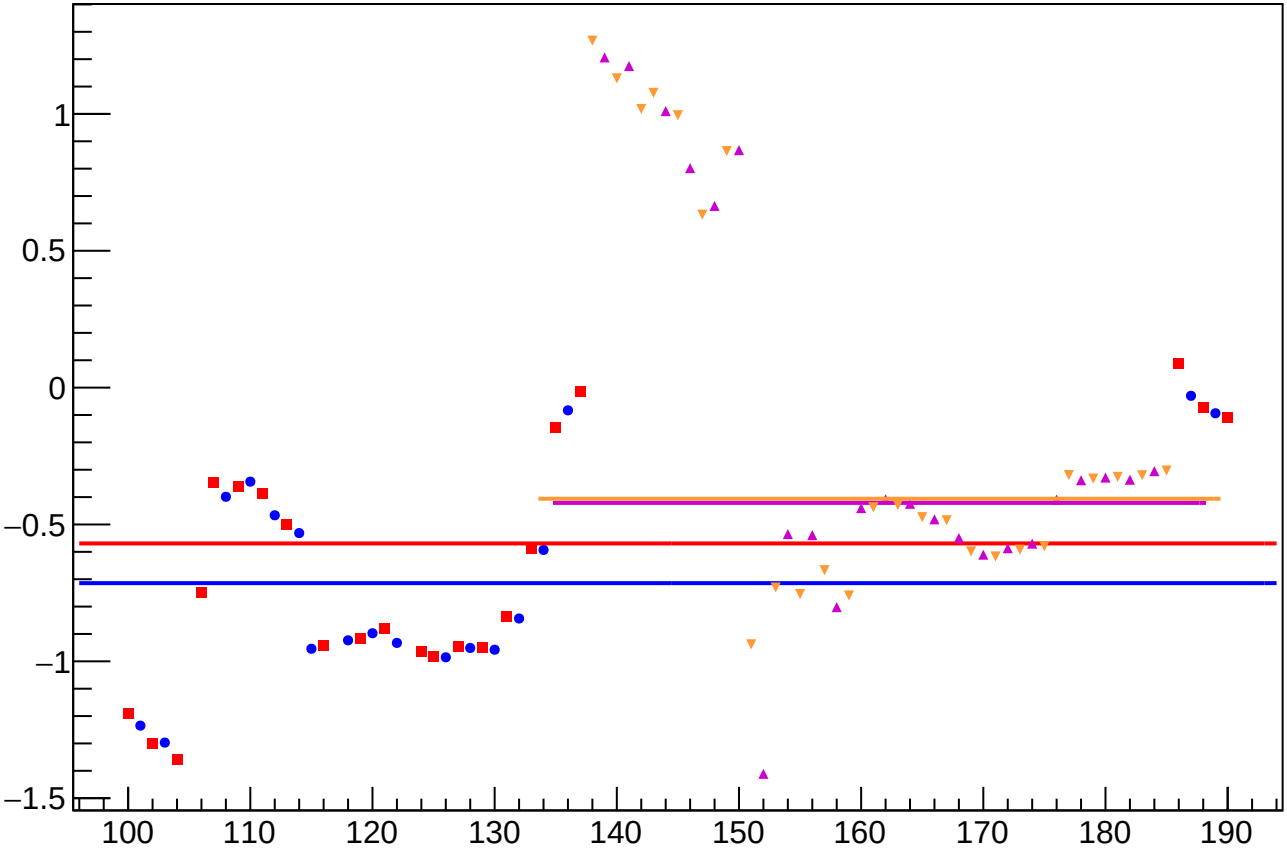
Right: 0.006+/-0.000 χ^2/NDF: 826039.2/39

In: 0.006+/-0.000 χ^2/NDF:1068279.9/40

Out: 0.006+/-0.000 χ^2/NDF:1295294.2/46

All: 0.006+/-0.000 χ^2/NDF: 2363919.3/87

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.714+/-0.000 χ^2/NDF: 12355433483.1/17

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.569+/-0.000 χ^2/NDF: 19707641985.4/21

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

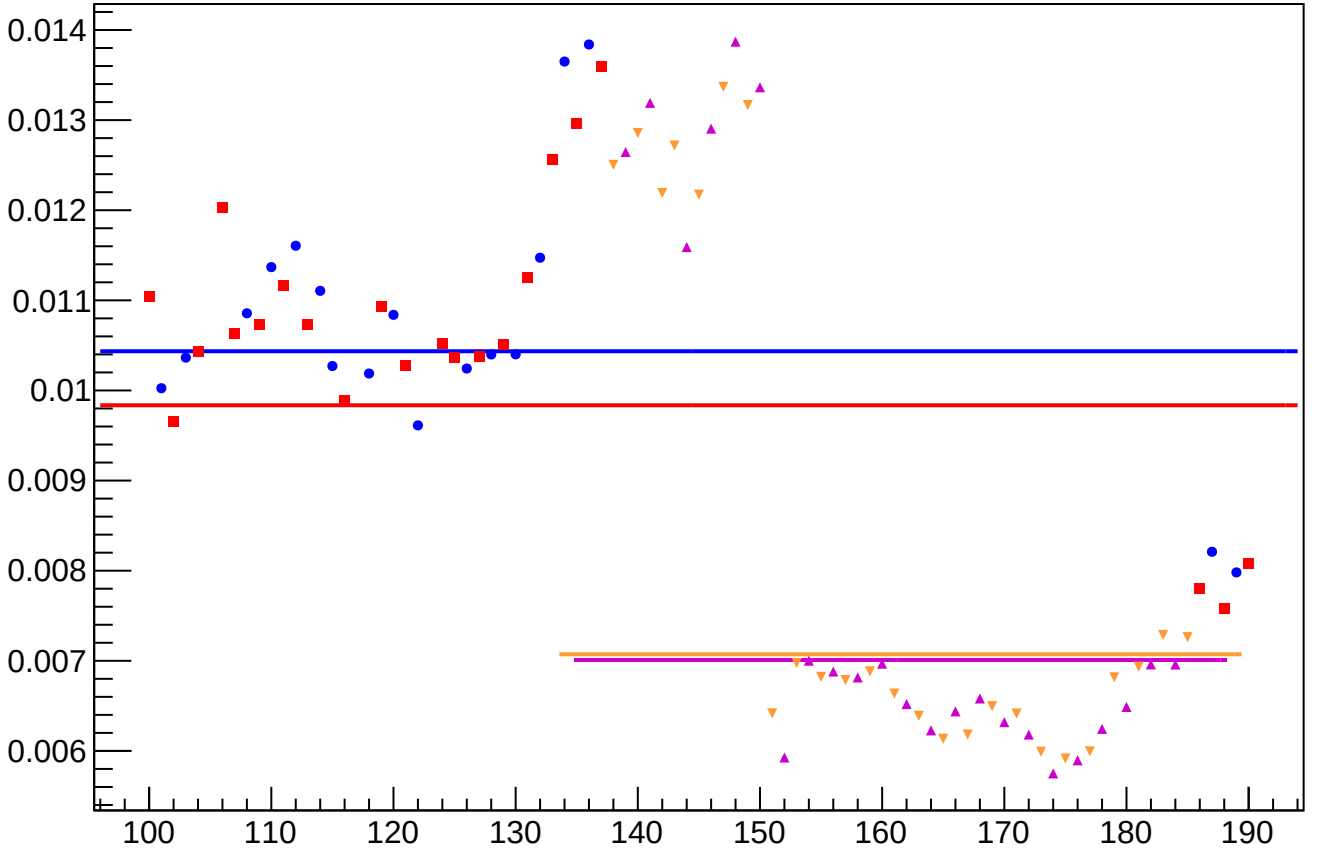
Right: -0.633+/-0.000 χ^2/NDF: 32894750094.9/39

In: -0.471+/-0.000 χ^2/NDF:107613535961.4/40

Out: -0.439+/-0.000 χ^2/NDF:103260095055.9/46

All: -0.455+/-0.000 χ^2/NDF: 211096579011.3

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 306168.4/17

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.010+/-0.000 χ^2/NDF: 467408.6/21

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

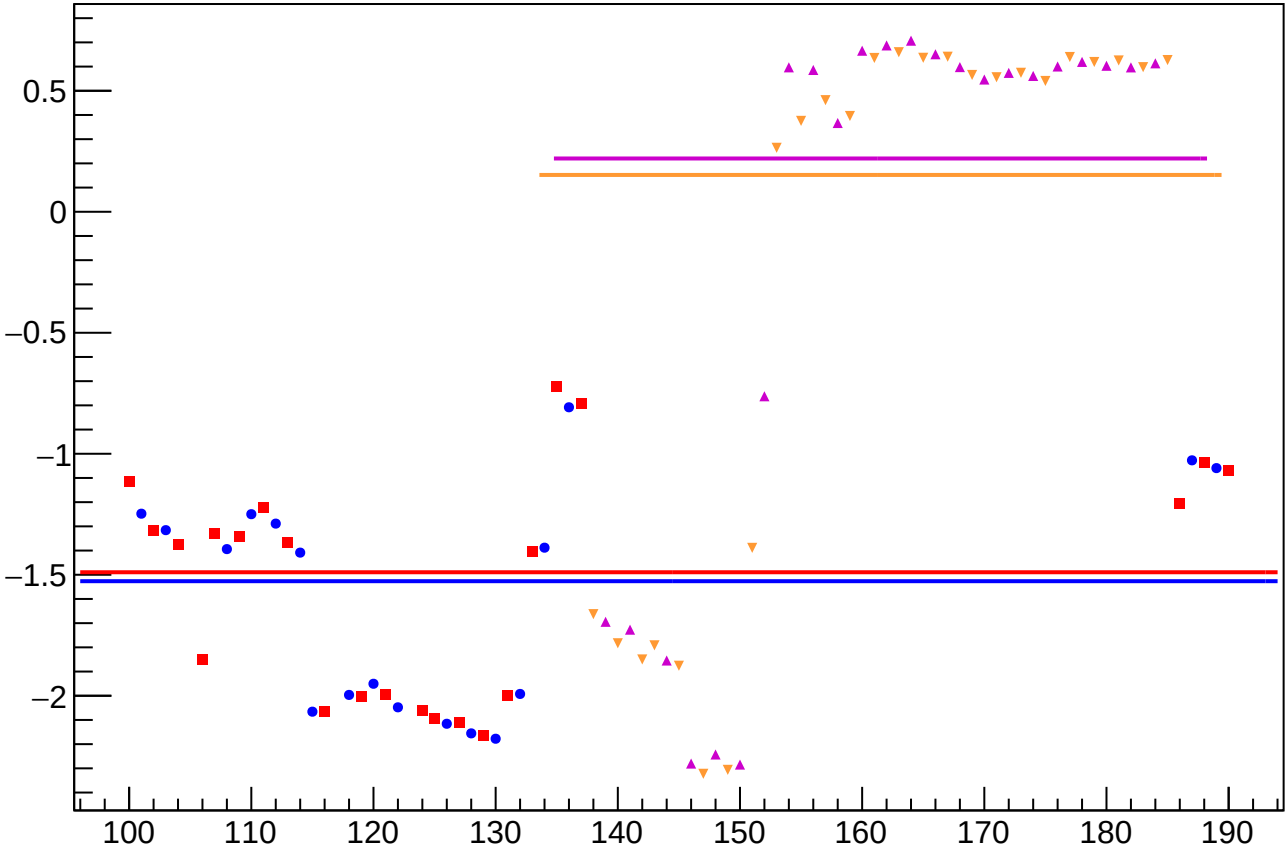
Right: 0.010+/-0.000 χ^2/NDF: 801972.5/39

In: 0.008+/-0.000 χ^2/NDF:4132821.0/40

Out: 0.008+/-0.000 χ^2/NDF:3950333.7/46

All: 0.008+/-0.000 χ^2/NDF: 8083730.6/87

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.527+/-0.000 χ^2/NDF: 168989455614.5/17

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.490+/-0.000 χ^2/NDF: 158324814666.0/21

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

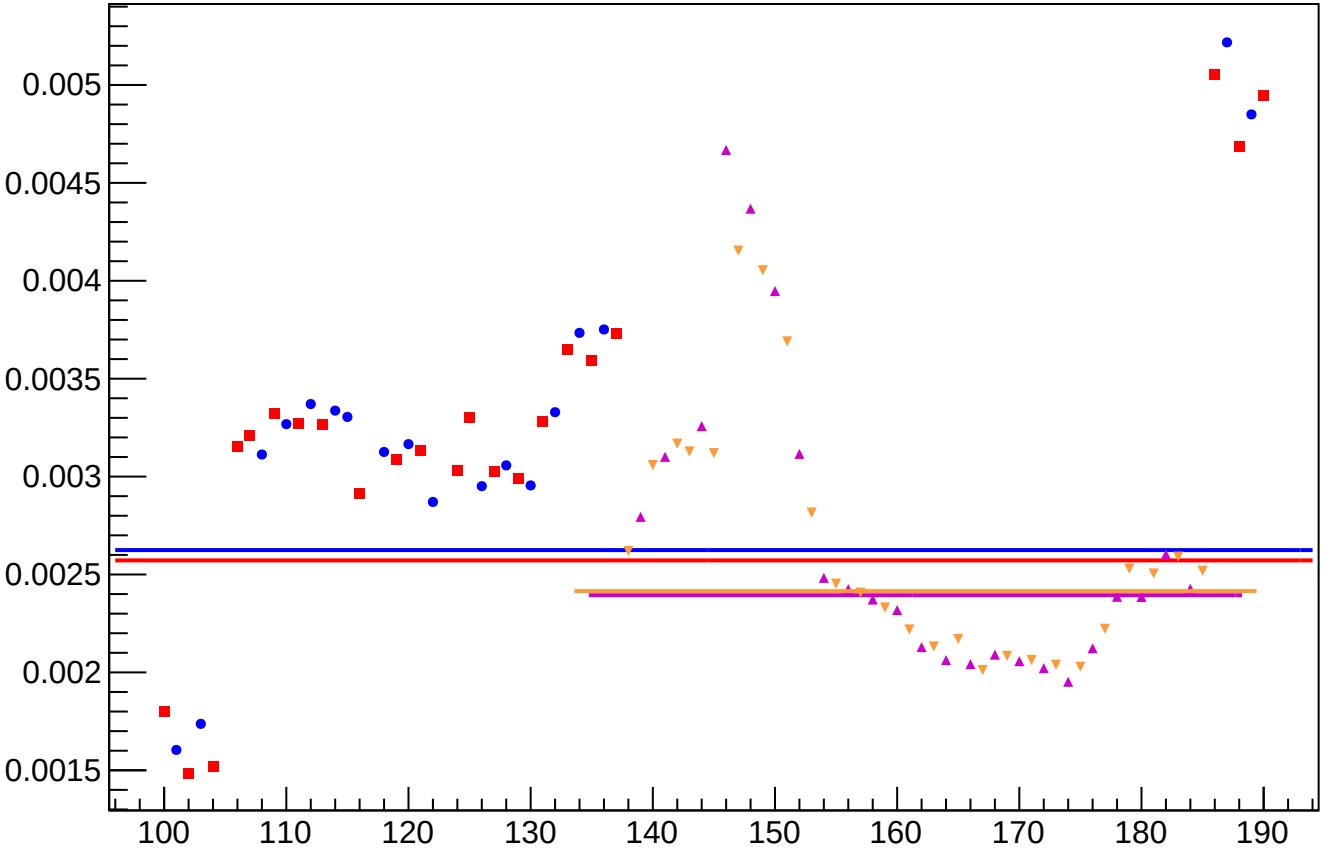
Right: -1.507+/-0.000 χ^2/NDF: 328009854899.0/39

In: -0.226+/-0.000 χ^2/NDF:4464755641890.9/40

Out: -0.293+/-0.000 χ^2/NDF:4696389031386.4/46

All: -0.261+/-0.000 χ^2/NDF: 9169811695191

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1485309.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2322390.3/21

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

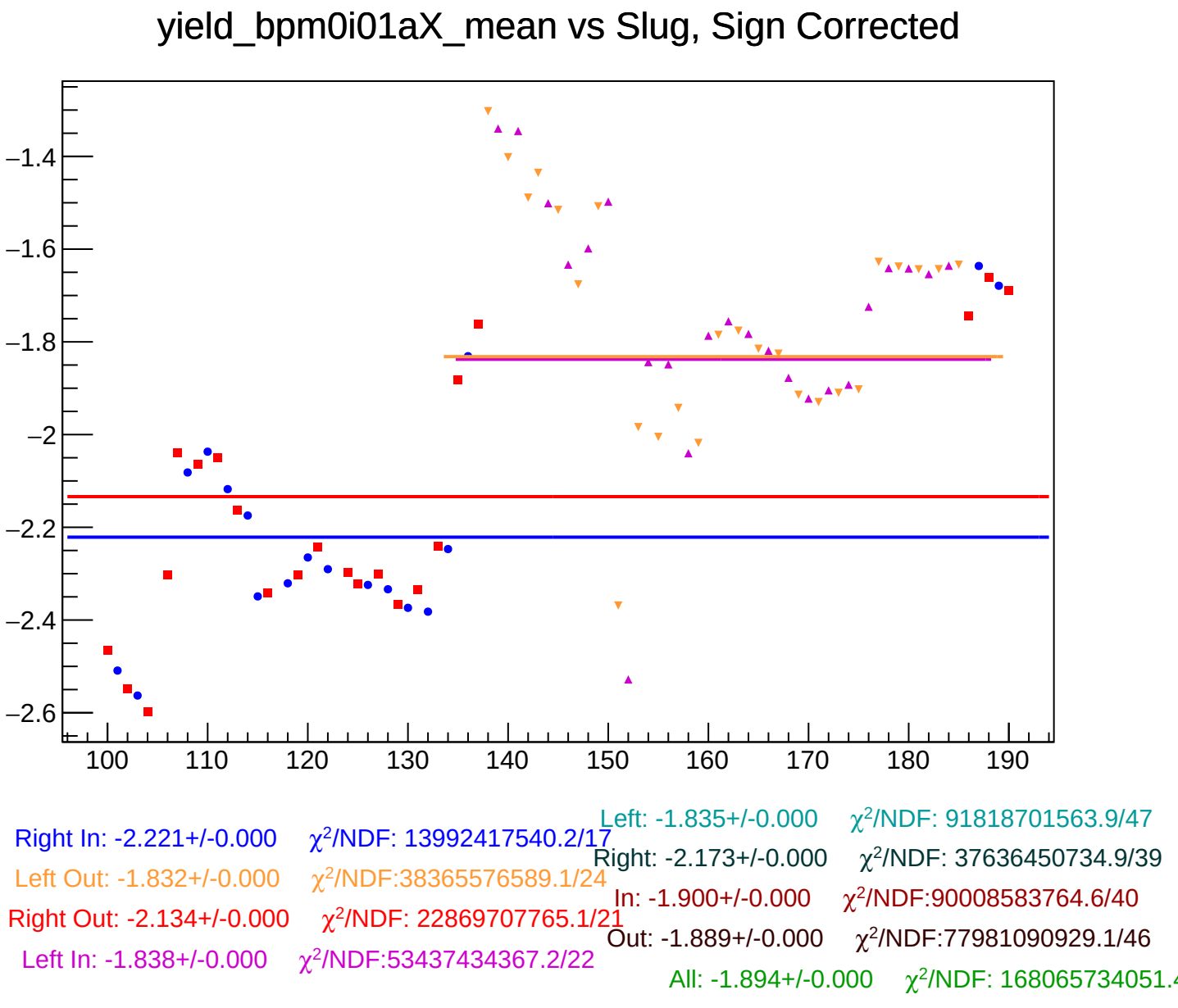
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 3810532.0/39

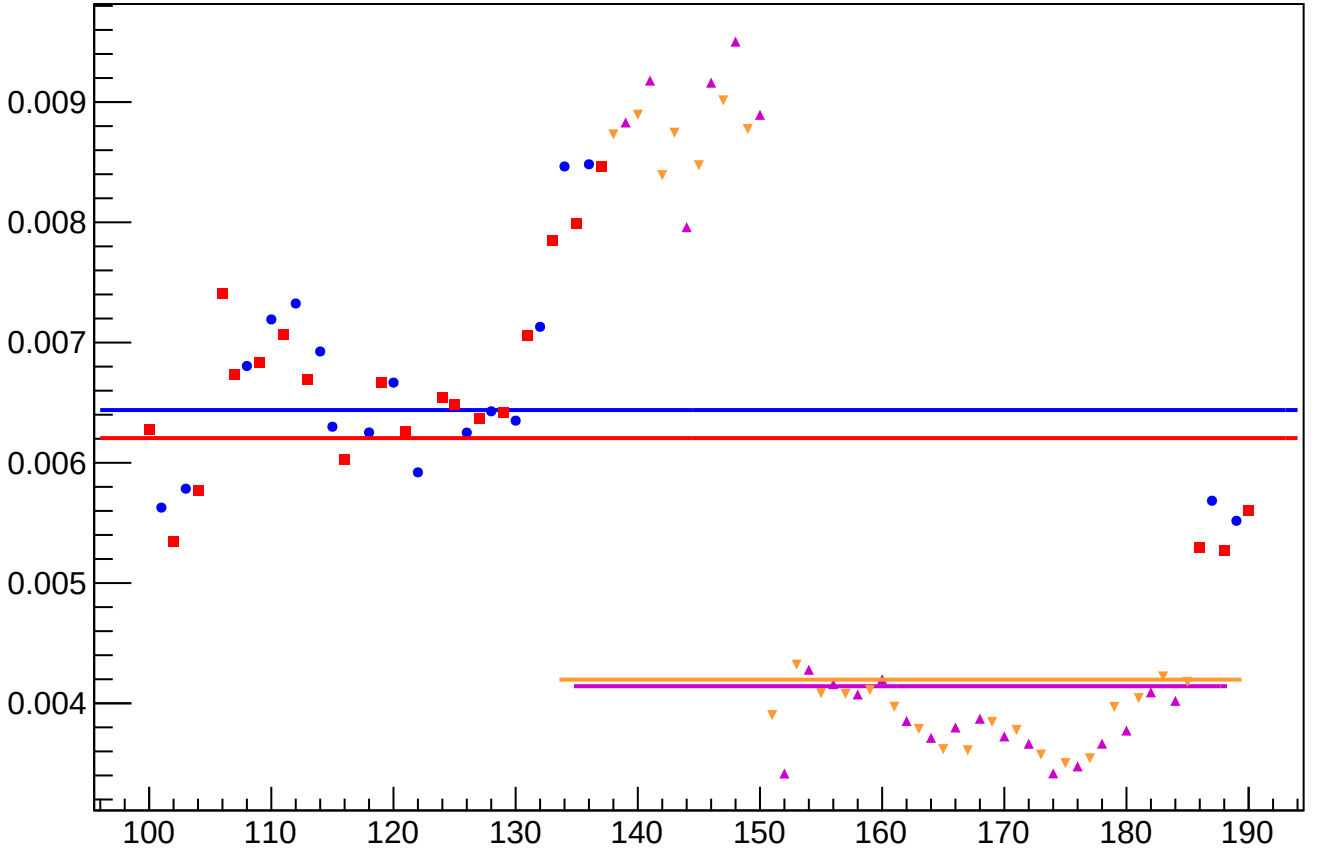
In: 0.002+/-0.000 χ^2/NDF:2970639.6/40

Out: 0.002+/-0.000 χ^2/NDF:3581785.0/46

All: 0.002+/-0.000 χ^2/NDF: 6552509.6/87


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
180
190
Right In: -2.221+/-0.000 χ²/NDF: 13992417540.2/17
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -2.134+/-0.000 χ²/NDF: 22869707765.1/21
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -2.173+/-0.000 χ²/NDF: 37636450734.9/39
In: -1.900+/-0.000 χ²/NDF:90008583764.6/40
Out: -1.889+/-0.000 χ²/NDF:77981090929.1/46
All: -1.894+/-0.000 χ²/NDF: 168065734051.4

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 261829.3/17

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 307774.8/21

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

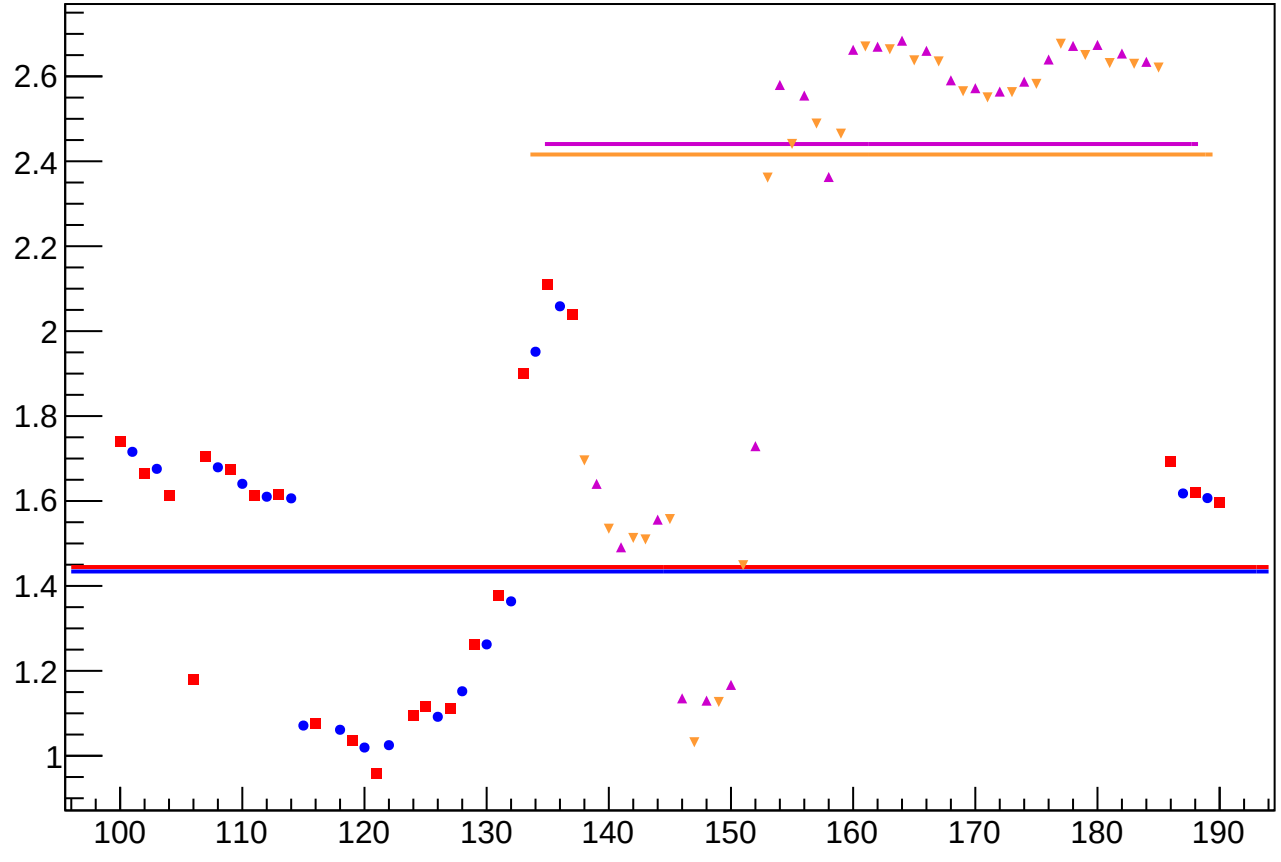
Right: 0.006+/-0.000 χ^2/NDF: 580610.4/39

In: 0.005+/-0.000 χ^2/NDF:5073781.6/40

Out: 0.005+/-0.000 χ^2/NDF:4881575.3/46

All: 0.005+/-0.000 χ^2/NDF: 9959313.9/87

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.434+/-0.000 χ^2/NDF: 189952600457.1/17

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.445+/-0.000 χ^2/NDF: 184493810124.7/21

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

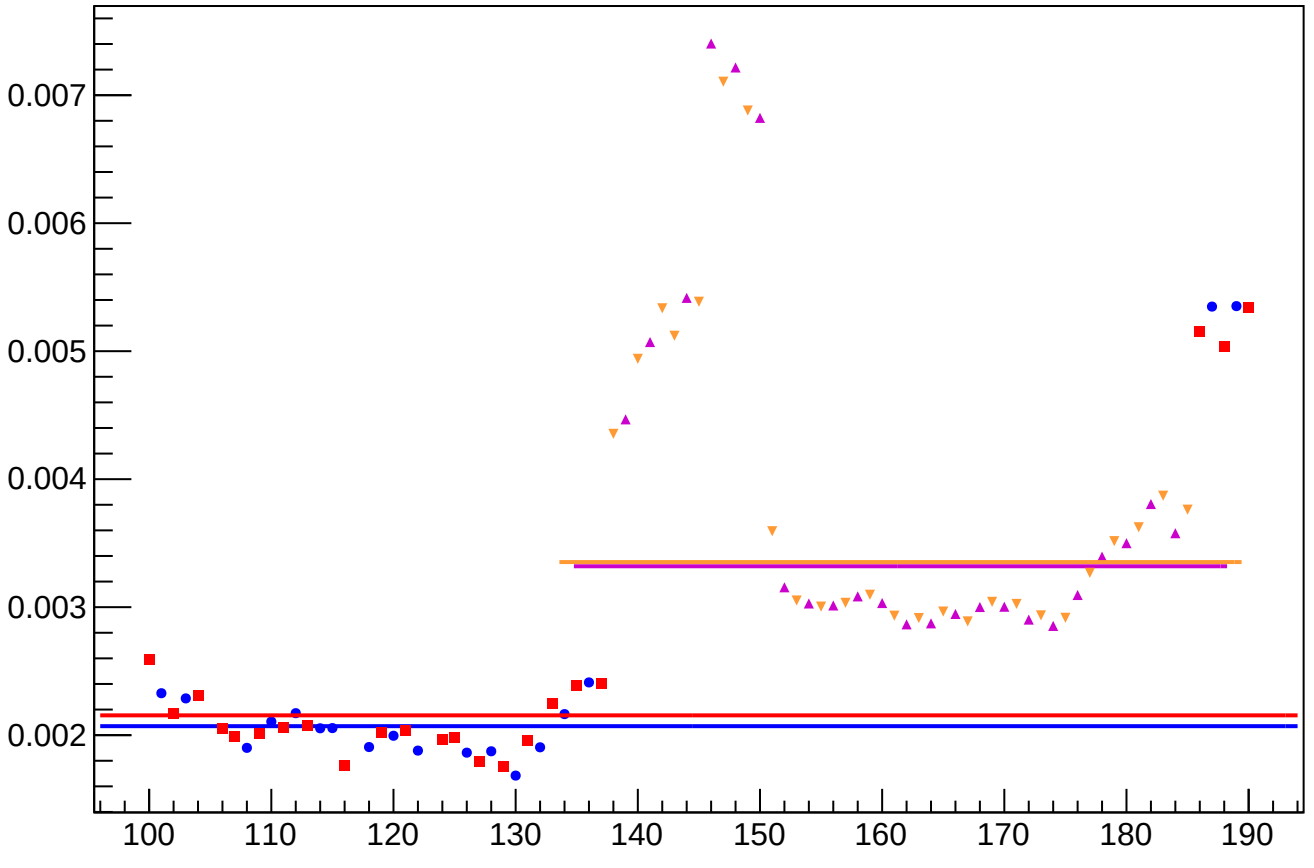
Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

Right: 1.439+/-0.000 χ^2/NDF: 374538518312.4/39

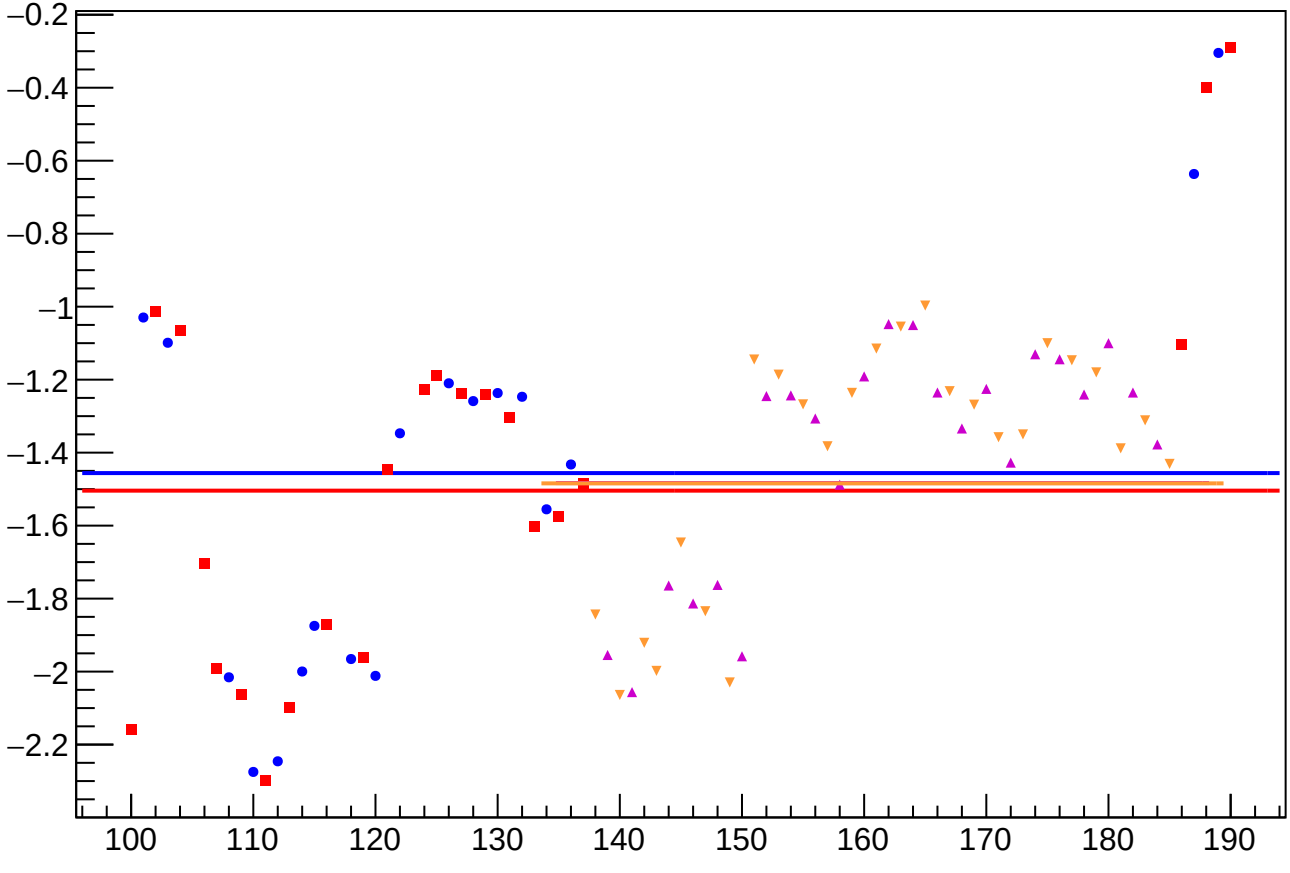
In: 1.910+/-0.000 χ^2/NDF:1212902478614.5/40

Out: 1.909+/-0.000 χ^2/NDF:1192408733437.6/46

All: 1.909+/-0.000 χ^2/NDF: 2405314657851.


yield_bpm0i01aY_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 692545.0/17
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 1294221.3/21
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
Left: 0.003+/-0.000 χ²/NDF: 3877180.3/47
Right: 0.002+/-0.000 χ²/NDF: 1998711.2/39
In: 0.003+/-0.000 χ²/NDF:5185730.4/40
Out: 0.003+/-0.000 χ²/NDF:5439095.1/46
All: 0.003+/-0.000 χ²/NDF: 10638618.2/87

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.456+/-0.000 χ^2/NDF: 29861473443.7/17

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.504+/-0.000 χ^2/NDF: 47048112005.8/21

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

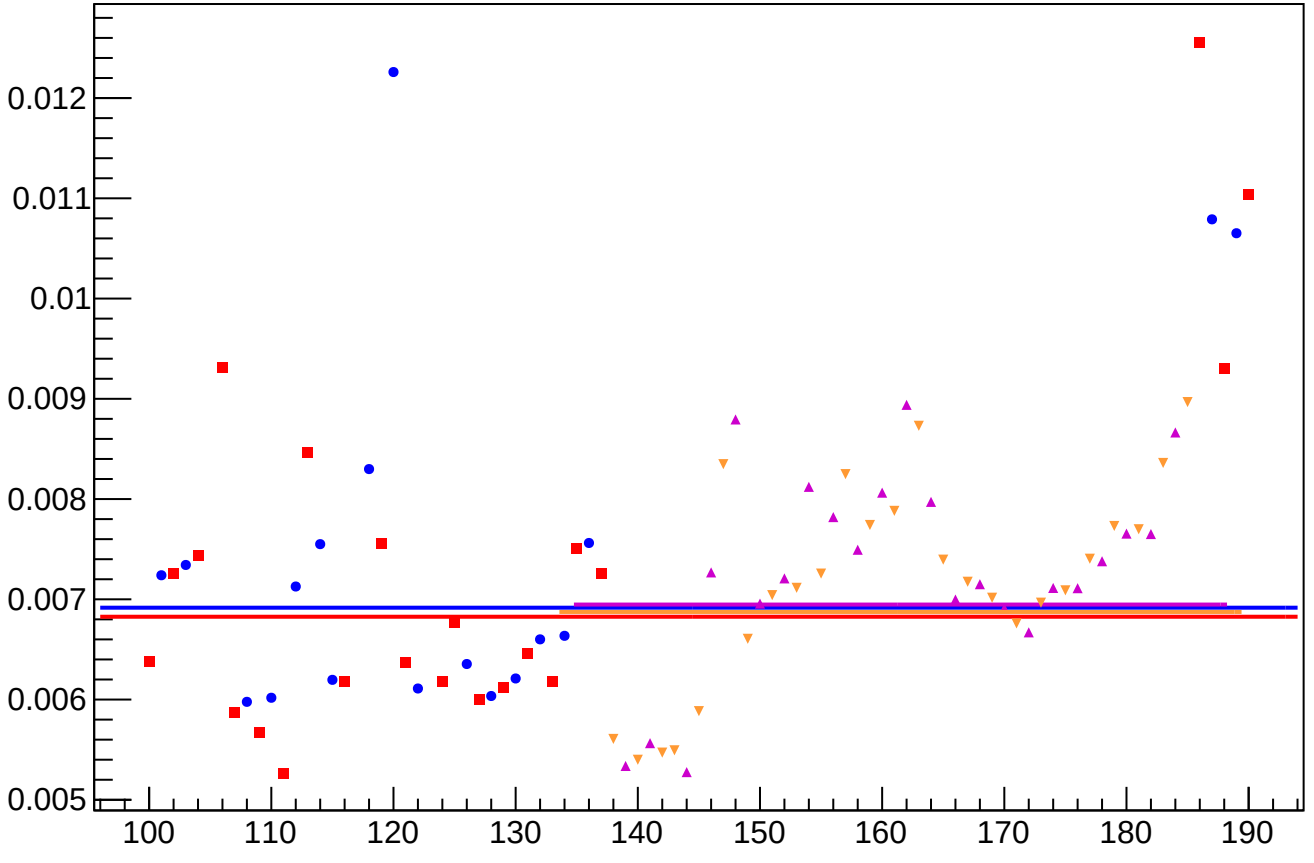
Right: -1.482+/-0.000 χ^2/NDF: 77096291207.9/39

In: -1.475+/-0.000 χ^2/NDF:70292519470.5/40

Out: -1.491+/-0.000 χ^2/NDF:95535168485.1/46

All: -1.483+/-0.000 χ^2/NDF: 165889110831.2

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 407375.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 641752.8/21

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

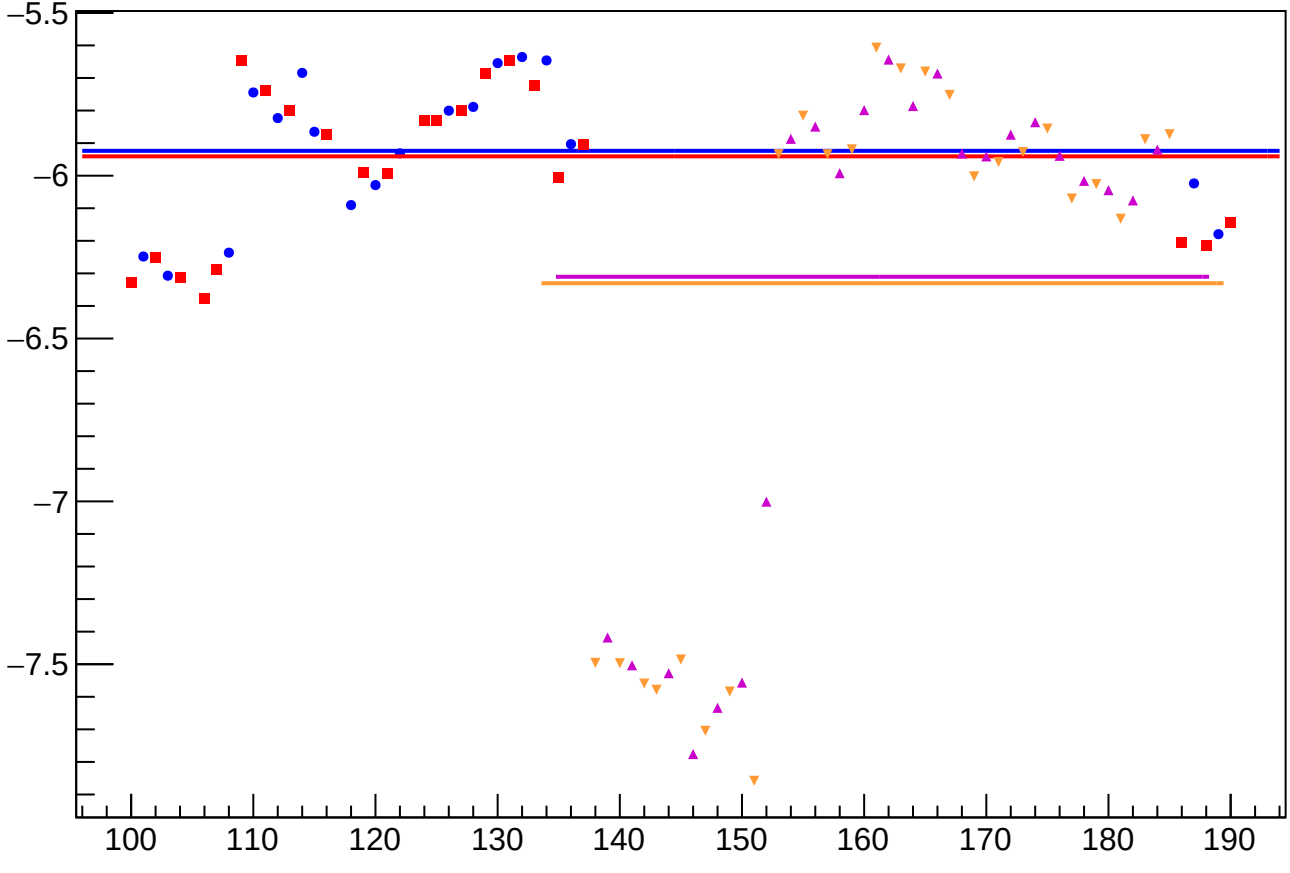
Right: 0.007+/-0.000 χ^2/NDF: 1050441.0/39

In: 0.007+/-0.000 χ^2/NDF:1154309.2/40

Out: 0.007+/-0.000 χ^2/NDF:1387838.4/46

All: 0.007+/-0.000 χ^2/NDF: 2545498.9/87

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.924+/-0.000 χ^2/NDF: 11952168281.6/17

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.941+/-0.000 χ^2/NDF: 13367831536.6/21

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

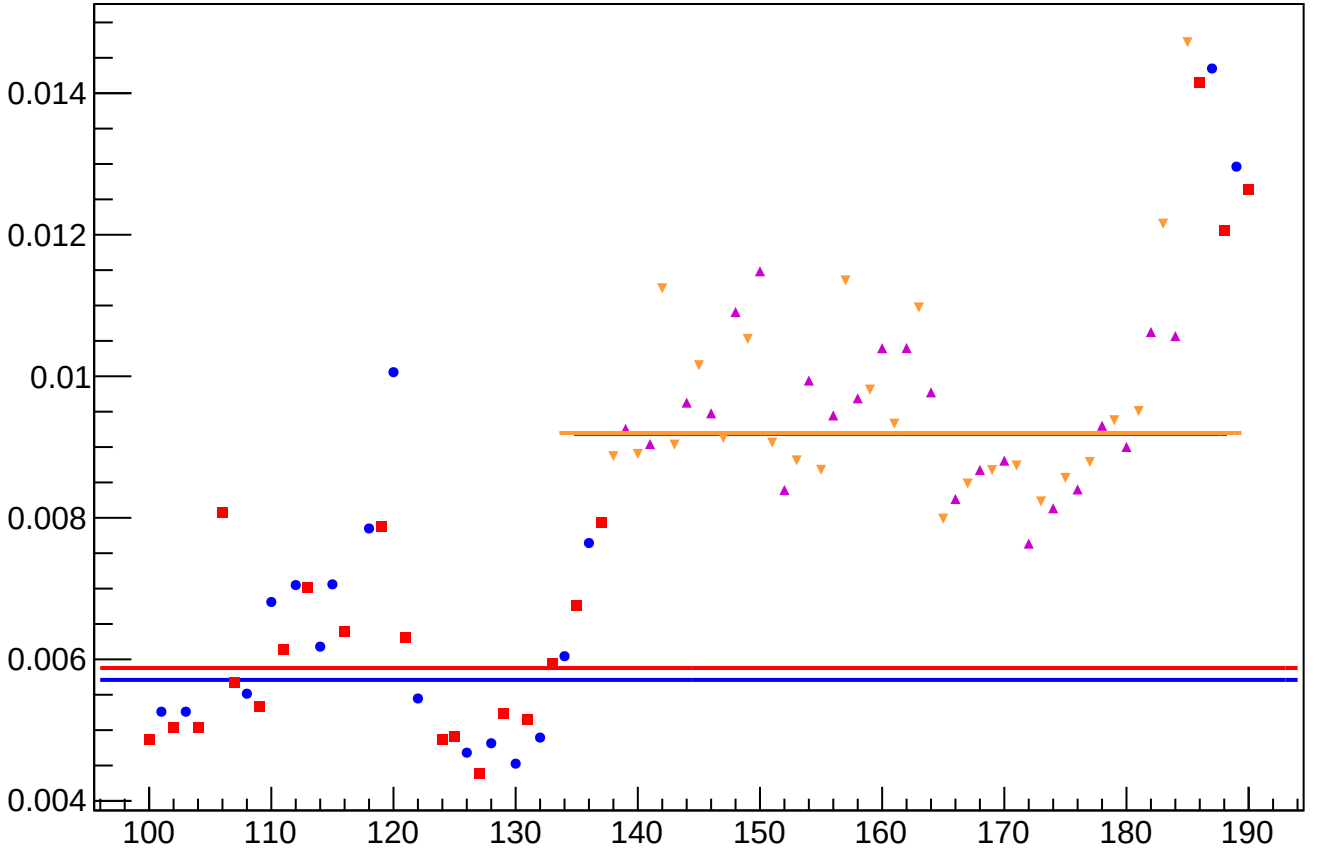
Right: -5.933+/-0.000 χ^2/NDF: 25350412813.8/39

In: -6.107+/-0.000 χ^2/NDF:117985132995.8/40

Out: -6.121+/-0.000 χ^2/NDF:139229495490.1/46

All: -6.115+/-0.000 χ^2/NDF: 257252738233.6

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 941411.8/17

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1334891.1/21

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

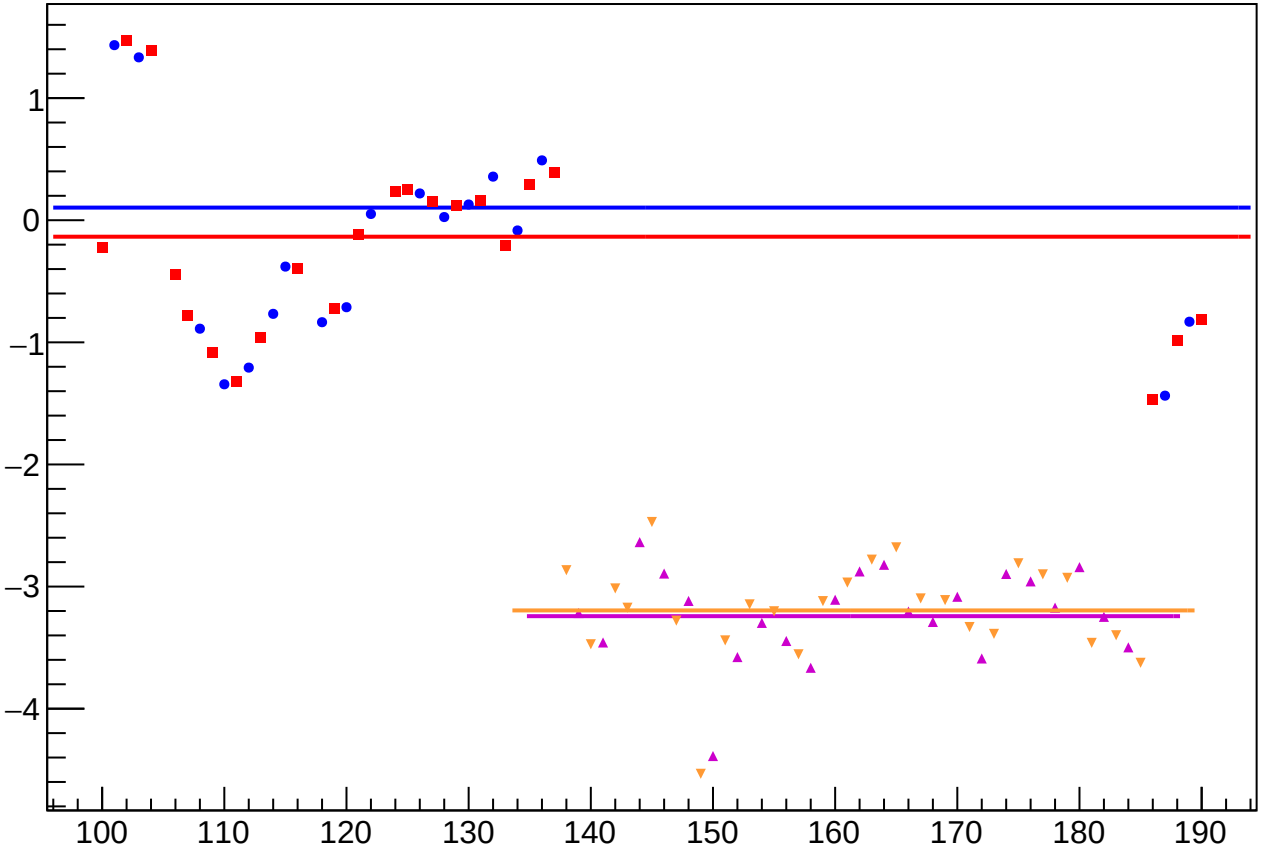
Right: 0.006+/-0.000 χ^2/NDF: 2282238.0/39

In: 0.007+/-0.000 χ^2/NDF:3576049.7/40

Out: 0.007+/-0.000 χ^2/NDF:3959744.4/46

All: 0.007+/-0.000 χ^2/NDF: 7537071.4/87

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.103+/-0.000 χ^2/NDF: 20195196982.9/17

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.135+/-0.000 χ^2/NDF: 27330988943.7/21

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

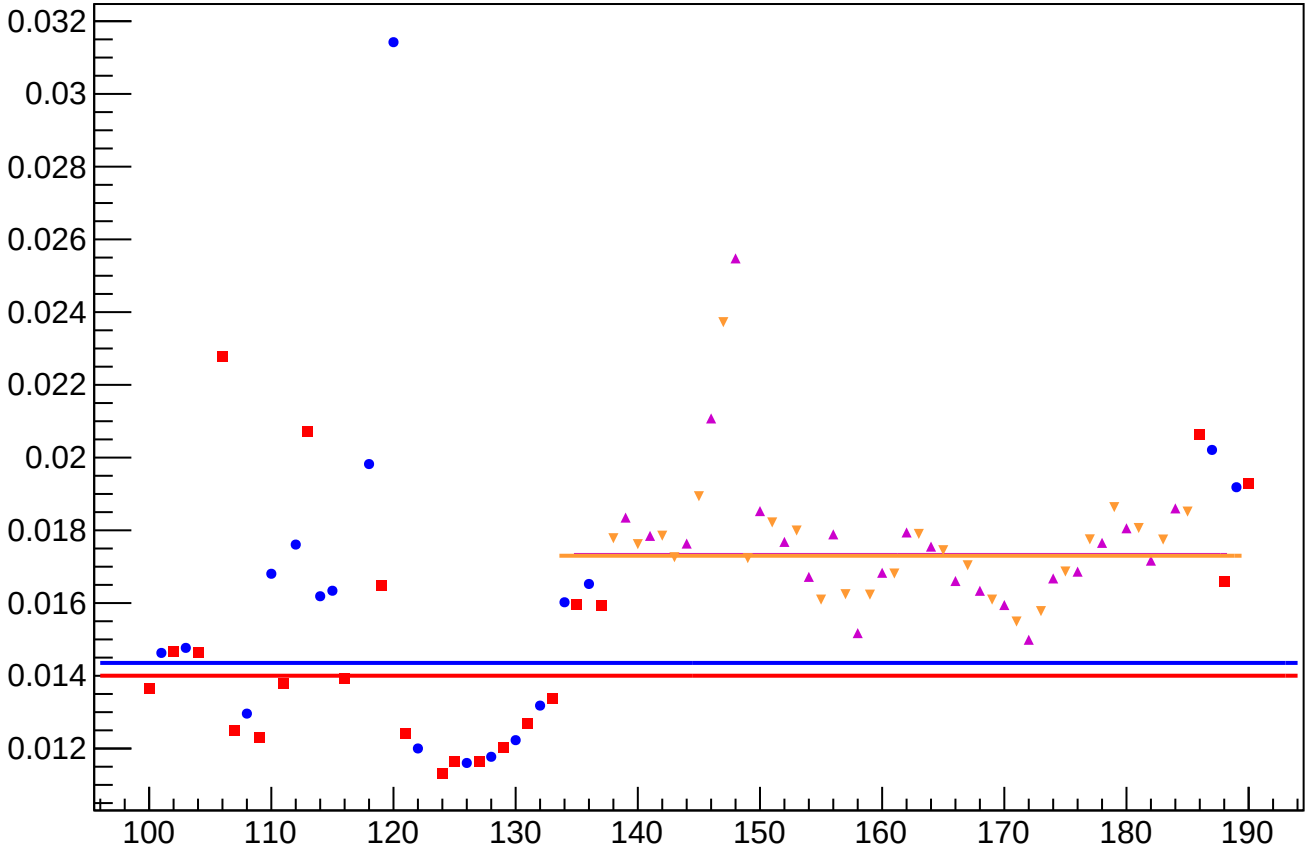
Right: -0.029+/-0.000 χ^2/NDF: 48588807707.9/39

In: -2.021+/-0.000 χ^2/NDF:266872558045.6/40

Out: -1.956+/-0.000 χ^2/NDF:272216823804.5/46

All: -1.987+/-0.000 χ^2/NDF: 539291357968.4

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 561295.7/17

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 500033.9/21

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

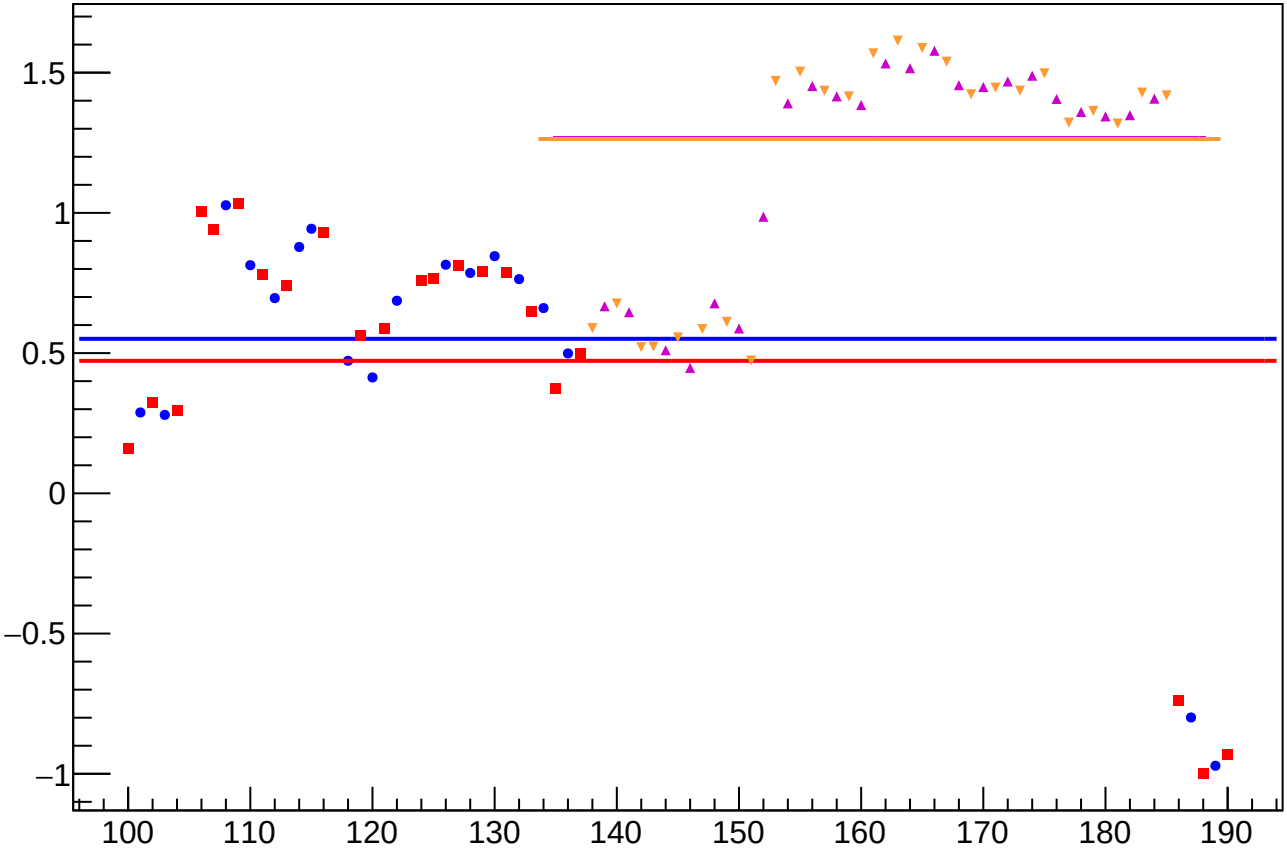
Right: 0.014+/-0.000 χ^2/NDF: 1065962.5/39

In: 0.016+/-0.000 χ^2/NDF:1267112.1/40

Out: 0.016+/-0.000 χ^2/NDF:1265064.7/46

All: 0.016+/-0.000 χ^2/NDF: 2539469.8/87

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.551+/-0.000 χ^2/NDF: 14550934799.4/17

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.472+/-0.000 χ^2/NDF: 29958386379.9/21

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

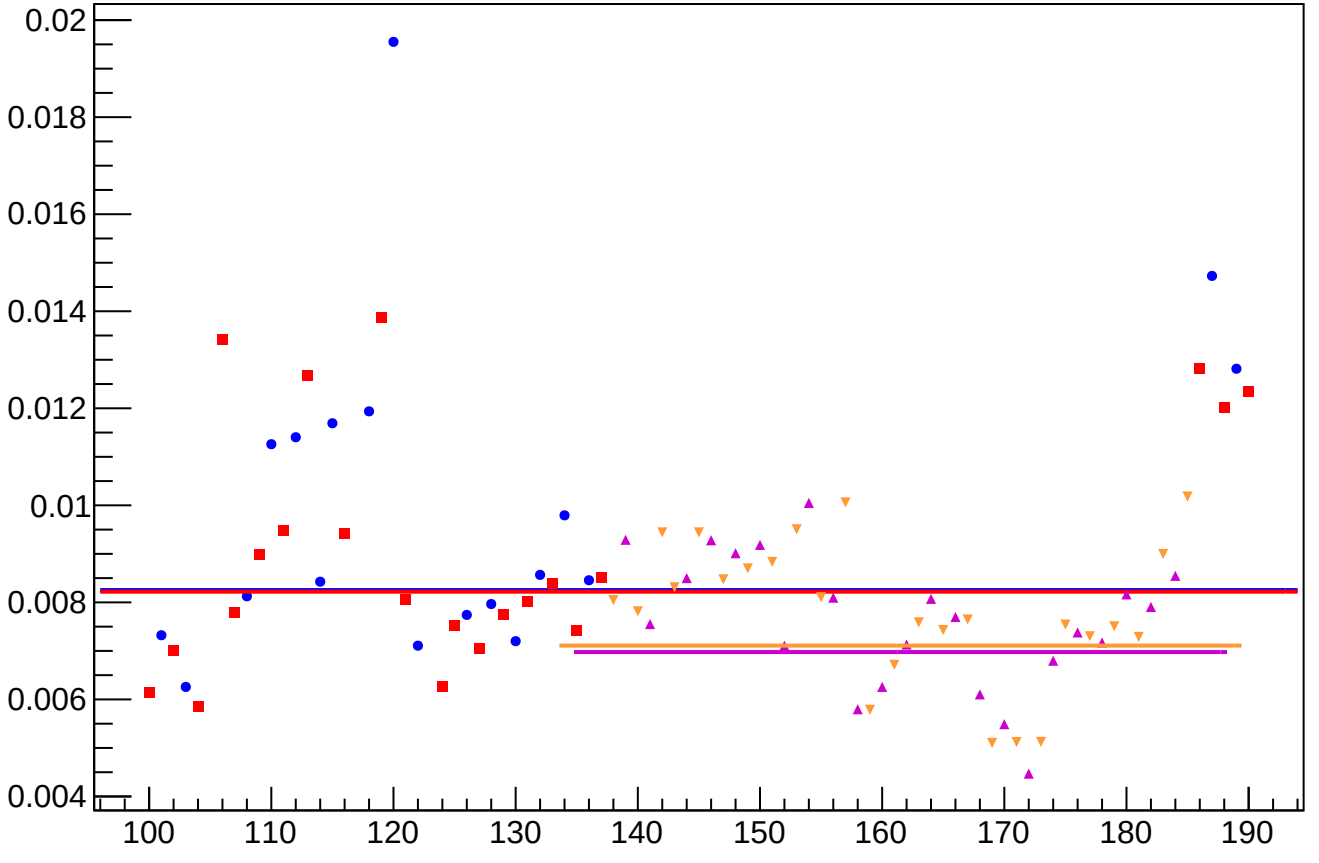
Right: 0.509+/-0.000 χ^2/NDF: 44837637956.4/39

In: 1.104+/-0.000 χ^2/NDF:91087070768.6/40

Out: 1.061+/-0.000 χ^2/NDF:129521577172.9/46

All: 1.082+/-0.000 χ^2/NDF: 221022425710.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 798340.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 976107.7/21

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

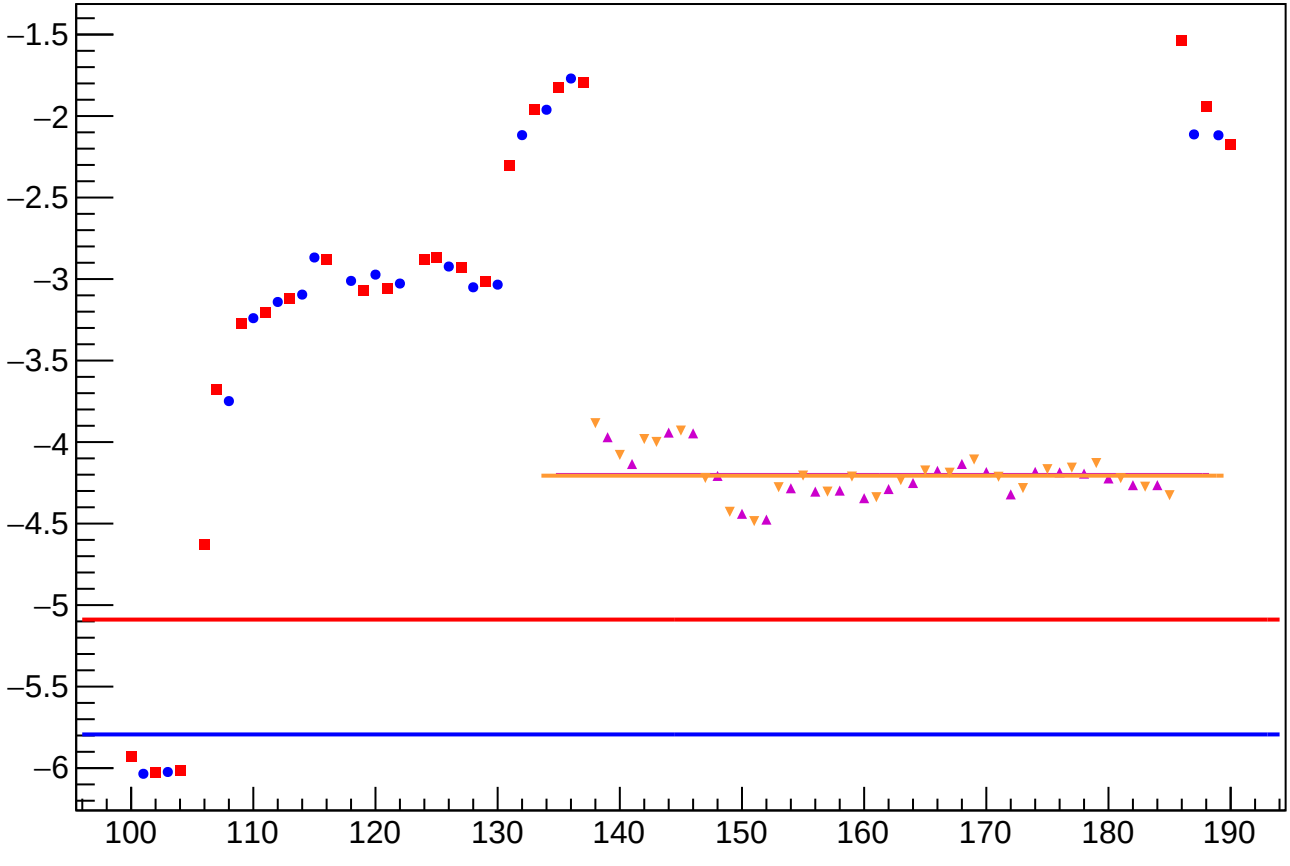
Right: 0.008+/-0.000 χ^2/NDF: 1774568.9/39

In: 0.007+/-0.000 χ^2/NDF:2503429.0/40

Out: 0.007+/-0.000 χ^2/NDF:2708400.3/46

All: 0.007+/-0.000 χ^2/NDF: 5218964.7/87

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.793+/-0.000 χ^2/NDF: 44935519844.9/17

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.089+/-0.000 χ^2/NDF: 158236998591.8/21

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

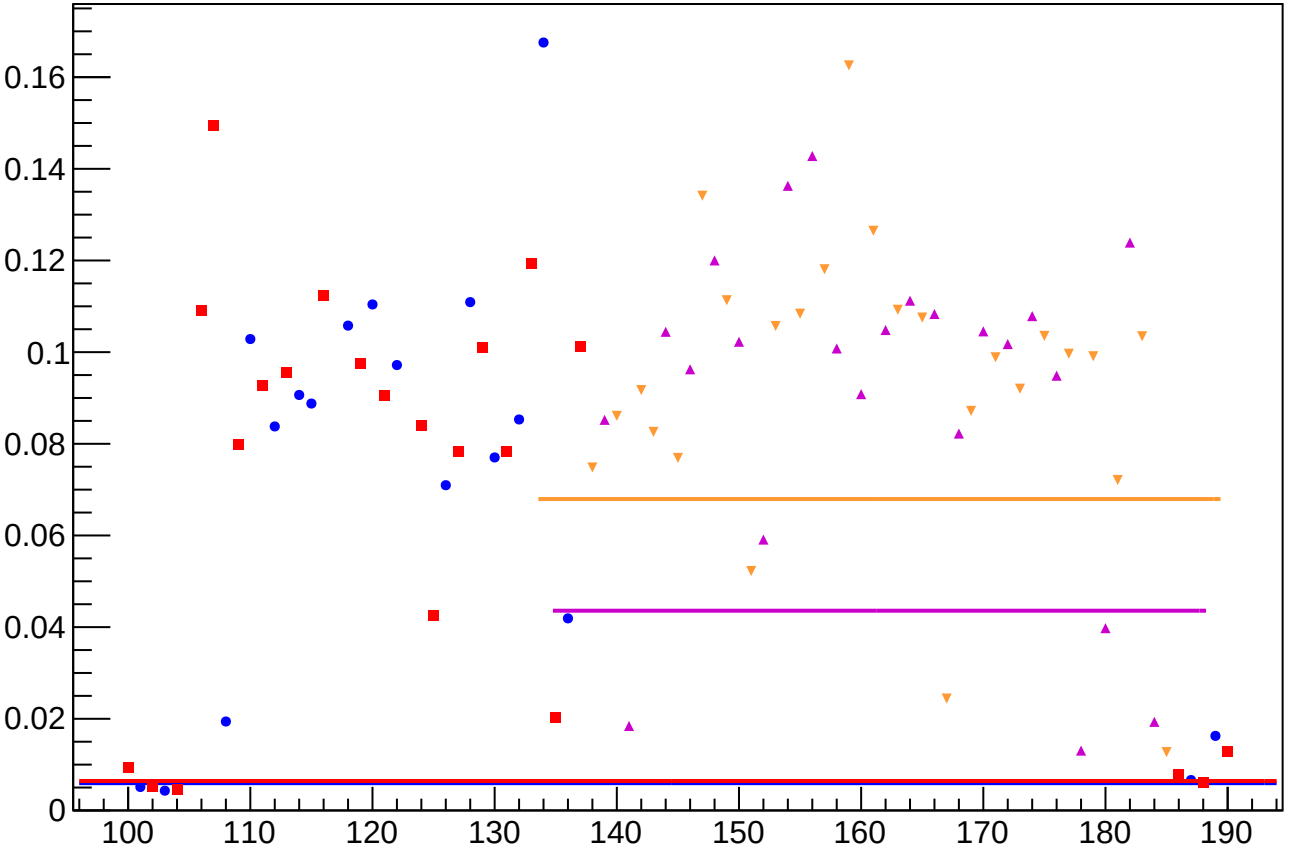
Right: -5.443+/-0.000 χ^2/NDF: 216476336468.3/39

In: -5.681+/-0.000 χ^2/NDF:54611632286.2/40

Out: -5.047+/-0.000 χ^2/NDF:160273549476.8/46

All: -5.369+/-0.000 χ^2/NDF: 226337250767.4

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8796565.9/17

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8793739.0/21

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

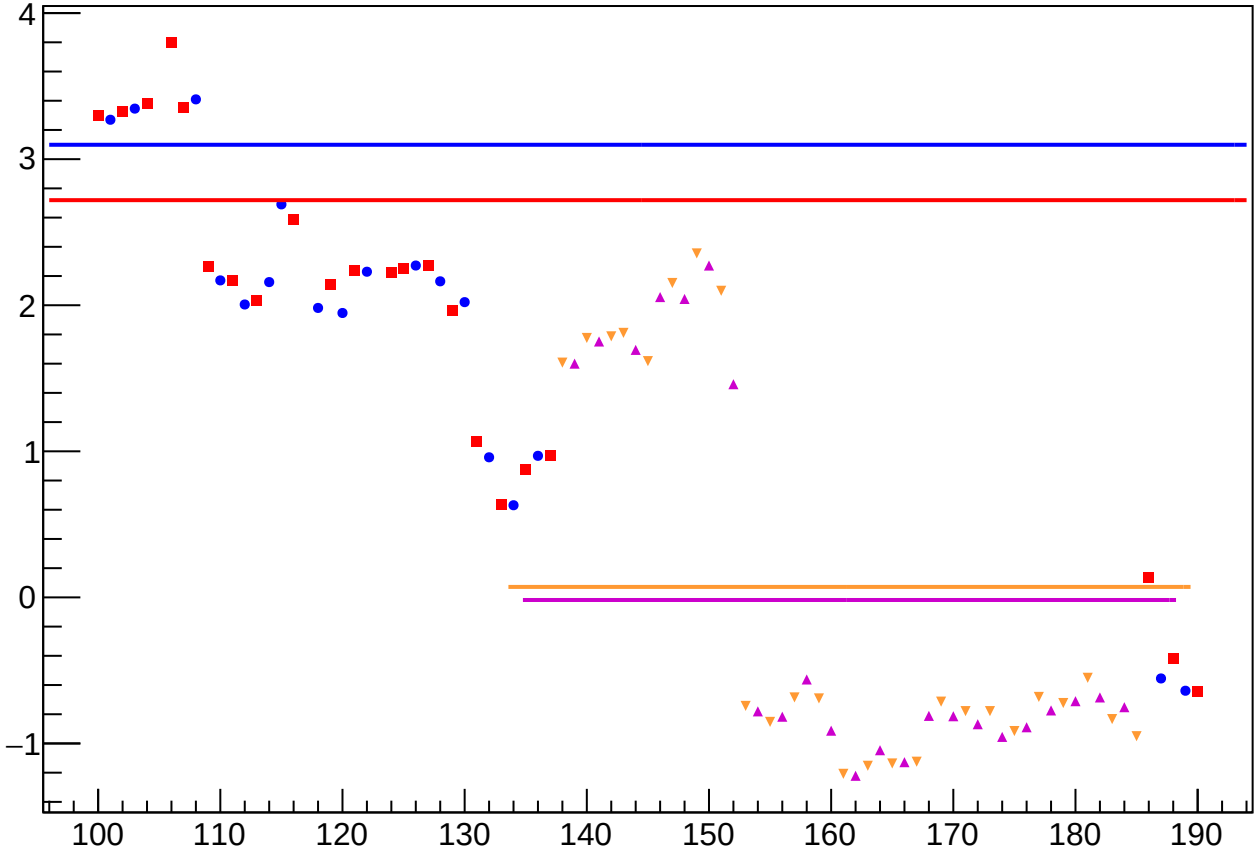
Right: 0.006+/-0.000 χ^2/NDF: 17601993.1/39

In: 0.009+/-0.000 χ^2/NDF:32324970.2/40

Out: 0.009+/-0.000 χ^2/NDF:35615766.4/46

All: 0.009+/-0.000 χ^2/NDF: 67971365.7/87

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.099+/-0.000 χ^2/NDF: 22243983479.9/17

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 2.719+/-0.000 χ^2/NDF: 64594086440.3/21

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

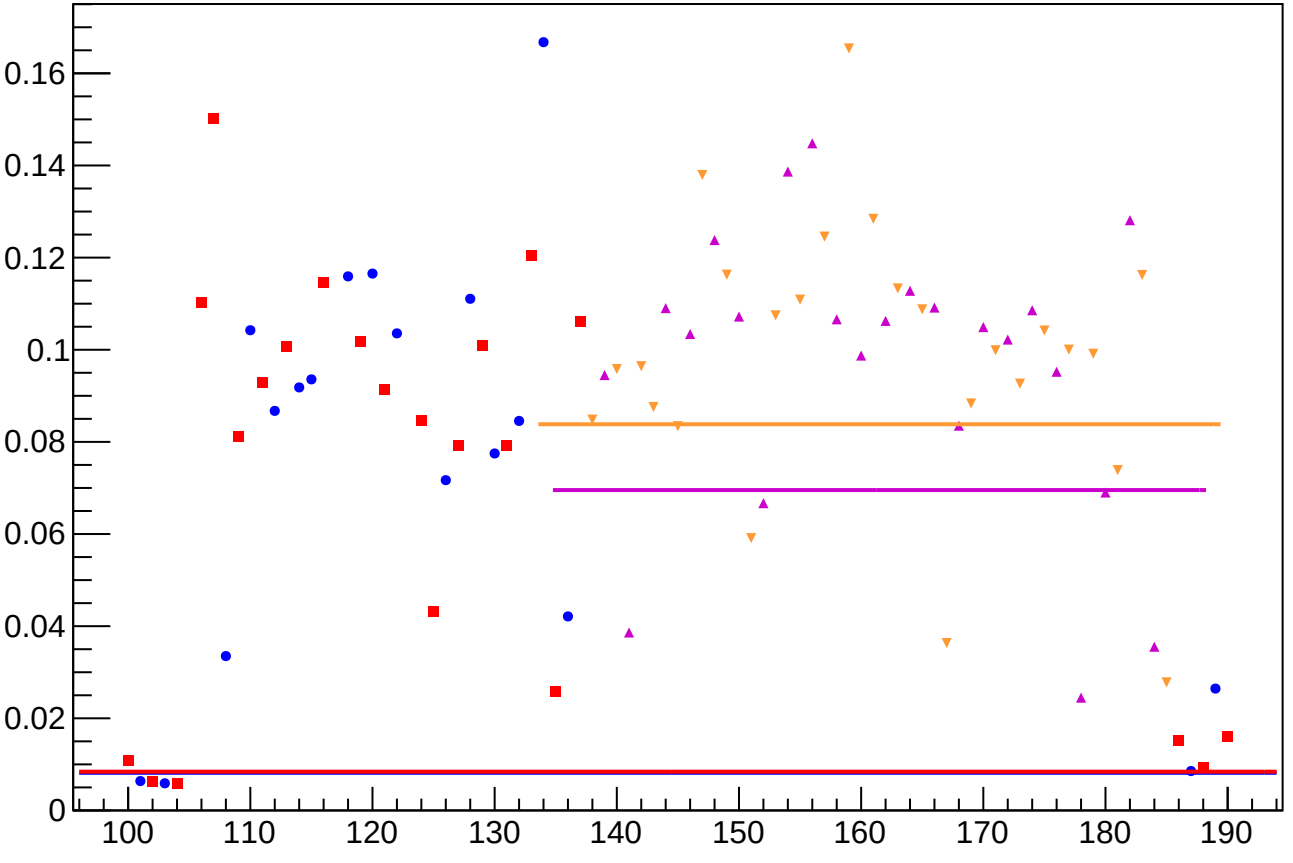
Right: 2.902+/-0.000 χ^2/NDF: 89247184730.6/39

In: 2.885+/-0.000 χ^2/NDF:47214390650.9/40

Out: 2.571+/-0.000 χ^2/NDF:81845534739.5/46

All: 2.724+/-0.000 χ^2/NDF: 130823107769.5

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8575905.6/17

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8669569.7/21

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

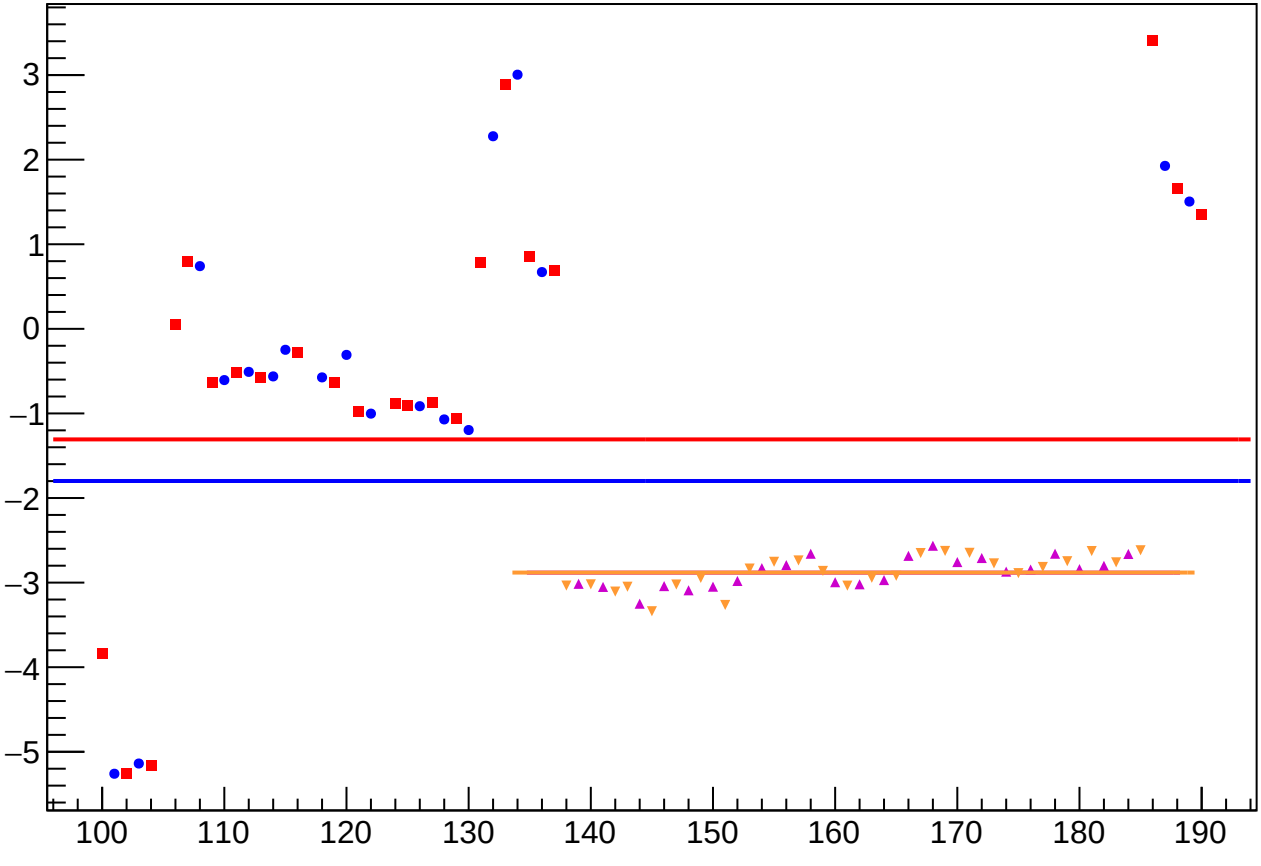
Right: 0.008+/-0.000 χ^2/NDF: 17247348.9/39

In: 0.012+/-0.000 χ^2/NDF:31957110.7/40

Out: 0.013+/-0.000 χ^2/NDF:34594747.5/46

All: 0.013+/-0.000 χ^2/NDF: 66554227.9/87

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.799+/-0.000 χ^2/NDF: 176041840375.2/17

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.307+/-0.000 χ^2/NDF: 206001148349.3/21

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

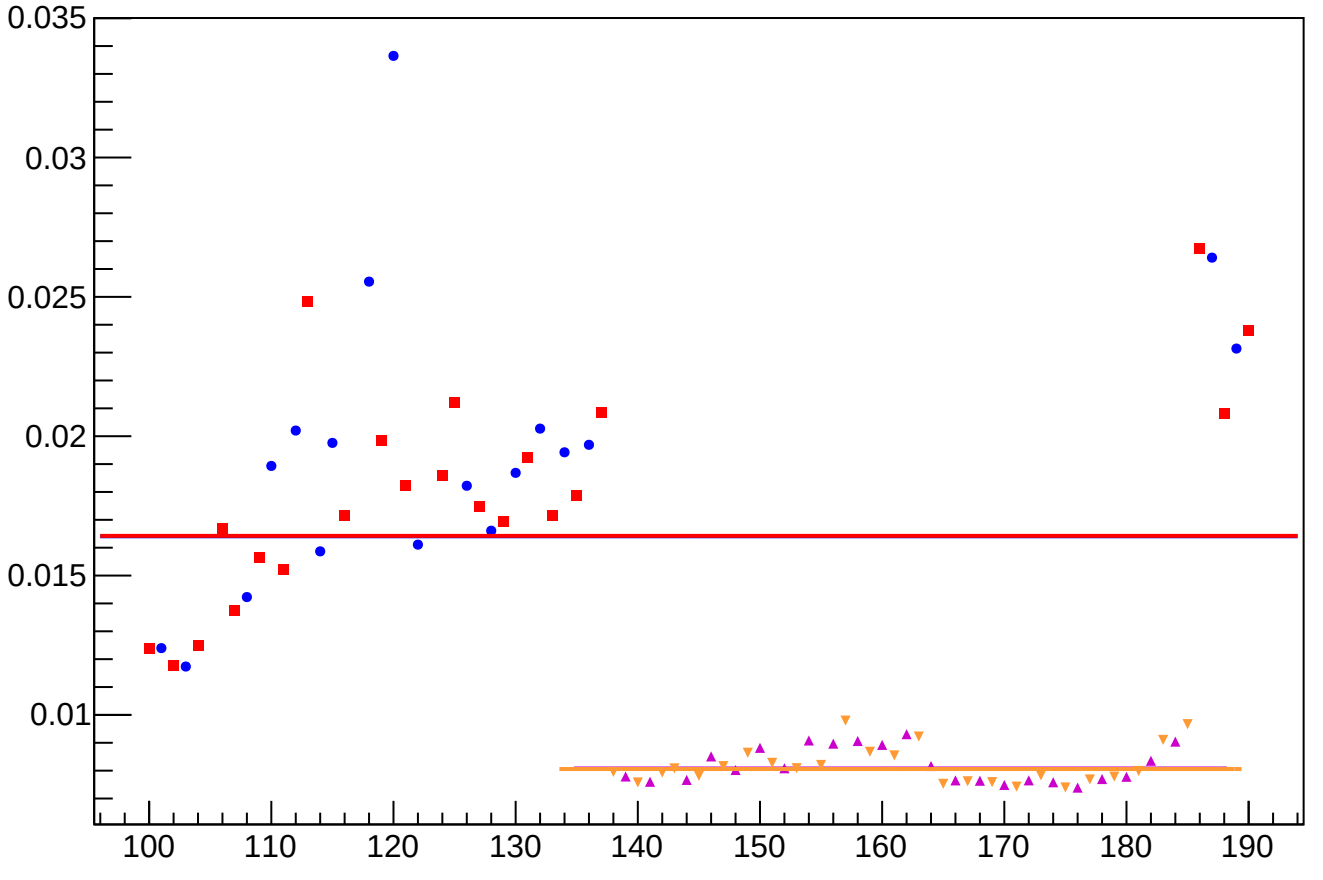
Right: -1.529+/-0.000 χ^2/NDF: 385205778380.7/39

In: -2.794+/-0.000 χ^2/NDF:210026817591.0/40

Out: -2.735+/-0.000 χ^2/NDF:281830138212.1/46

All: -2.763+/-0.000 χ^2/NDF: 492376201838.

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 873060.4/17

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.016+/-0.000 χ^2/NDF: 780628.4/21

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

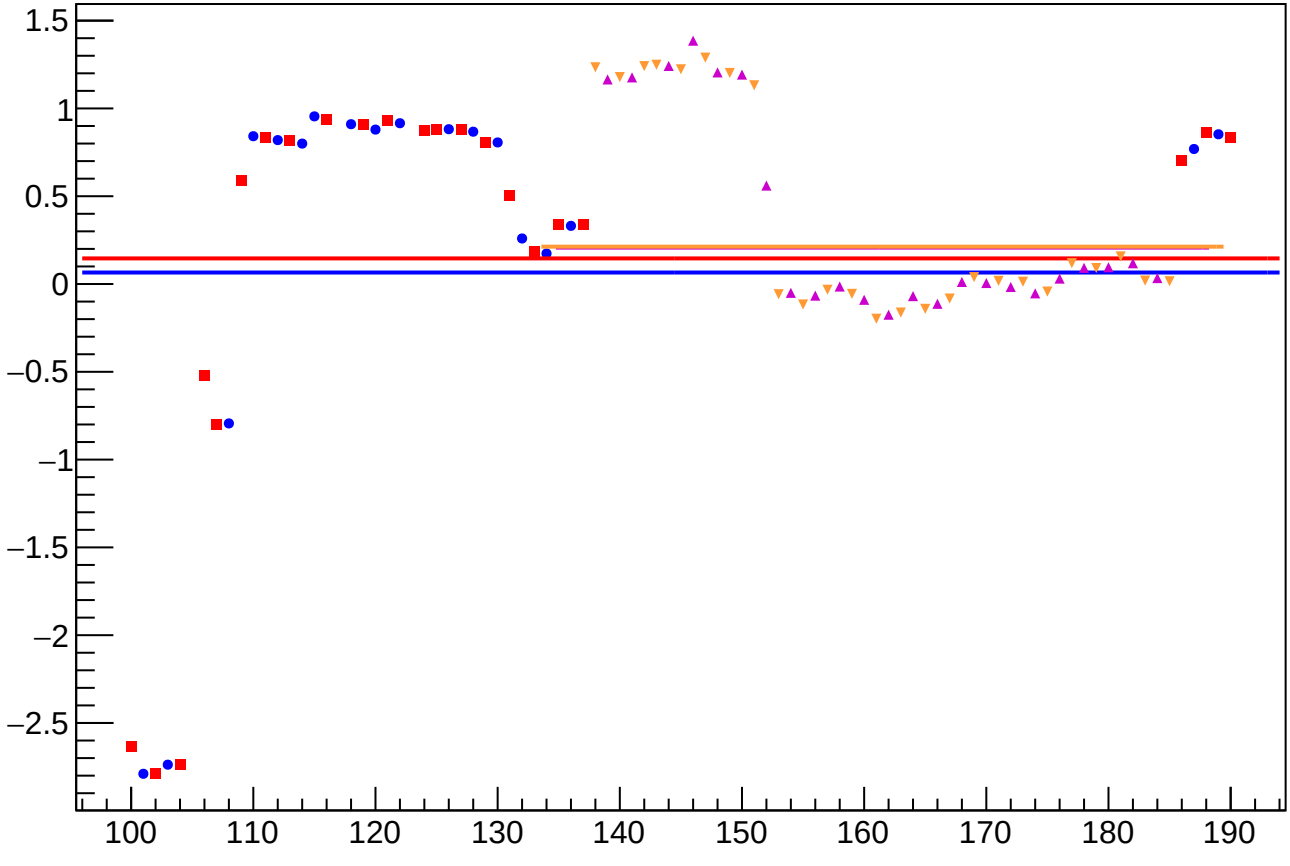
Right: 0.016+/-0.000 χ^2/NDF: 1653694.4/39

In: 0.009+/-0.000 χ^2/NDF:4090801.0/40

Out: 0.009+/-0.000 χ^2/NDF:4652826.4/46

All: 0.009+/-0.000 χ^2/NDF: 8745349.7/87

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.066+/-0.000 χ^2/NDF: 866520889042.3/17

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.146+/-0.000 χ^2/NDF: 969786572145.4/21

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

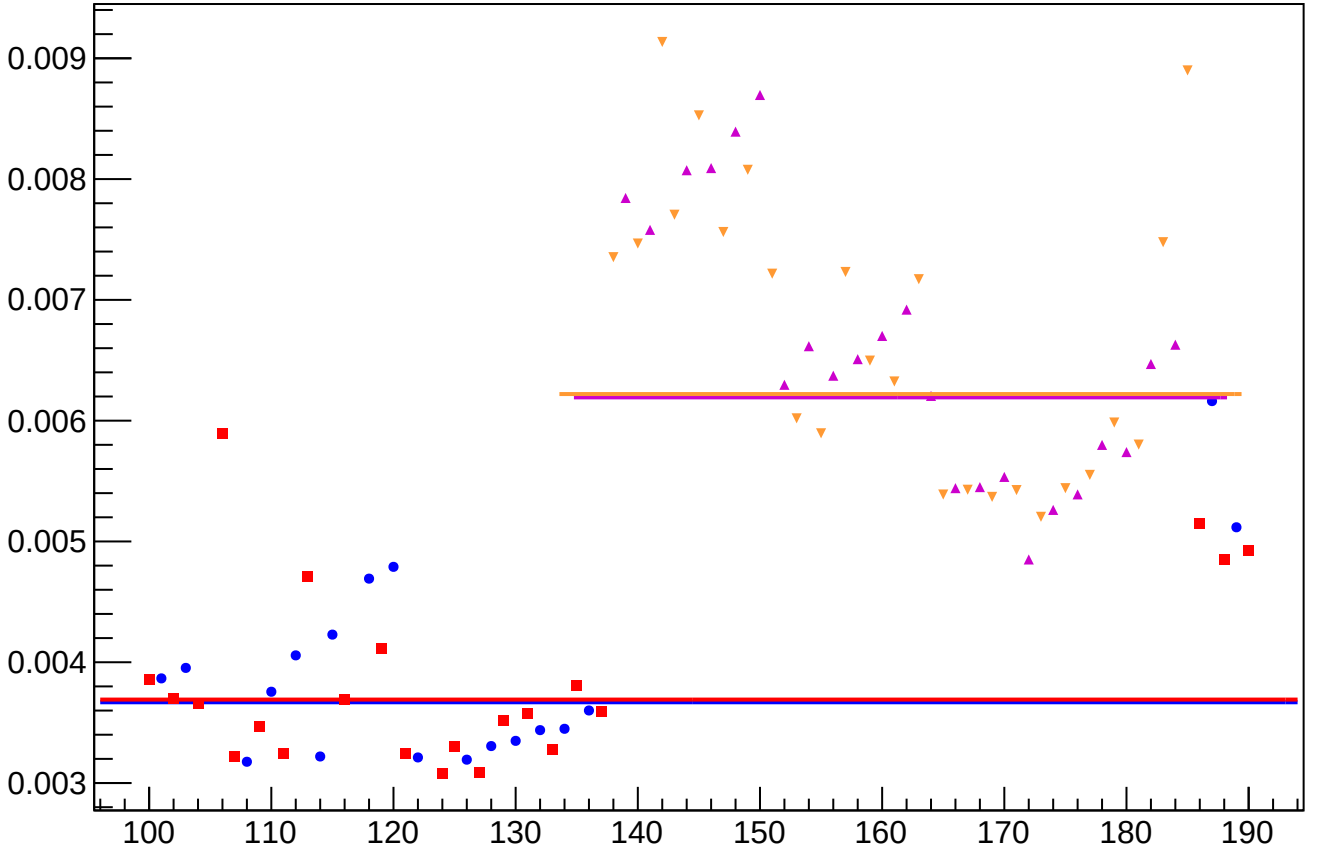
Right: 0.108+/-0.000 χ^2/NDF: 1838187092368.6/39

In: 0.127+/-0.000 χ^2/NDF:958362923760.5/40

Out: 0.173+/-0.000 χ^2/NDF:1073747386877.3/46

All: 0.151+/-0.000 χ^2/NDF: 2033189909721.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 321743.9/17

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 455253.9/21

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

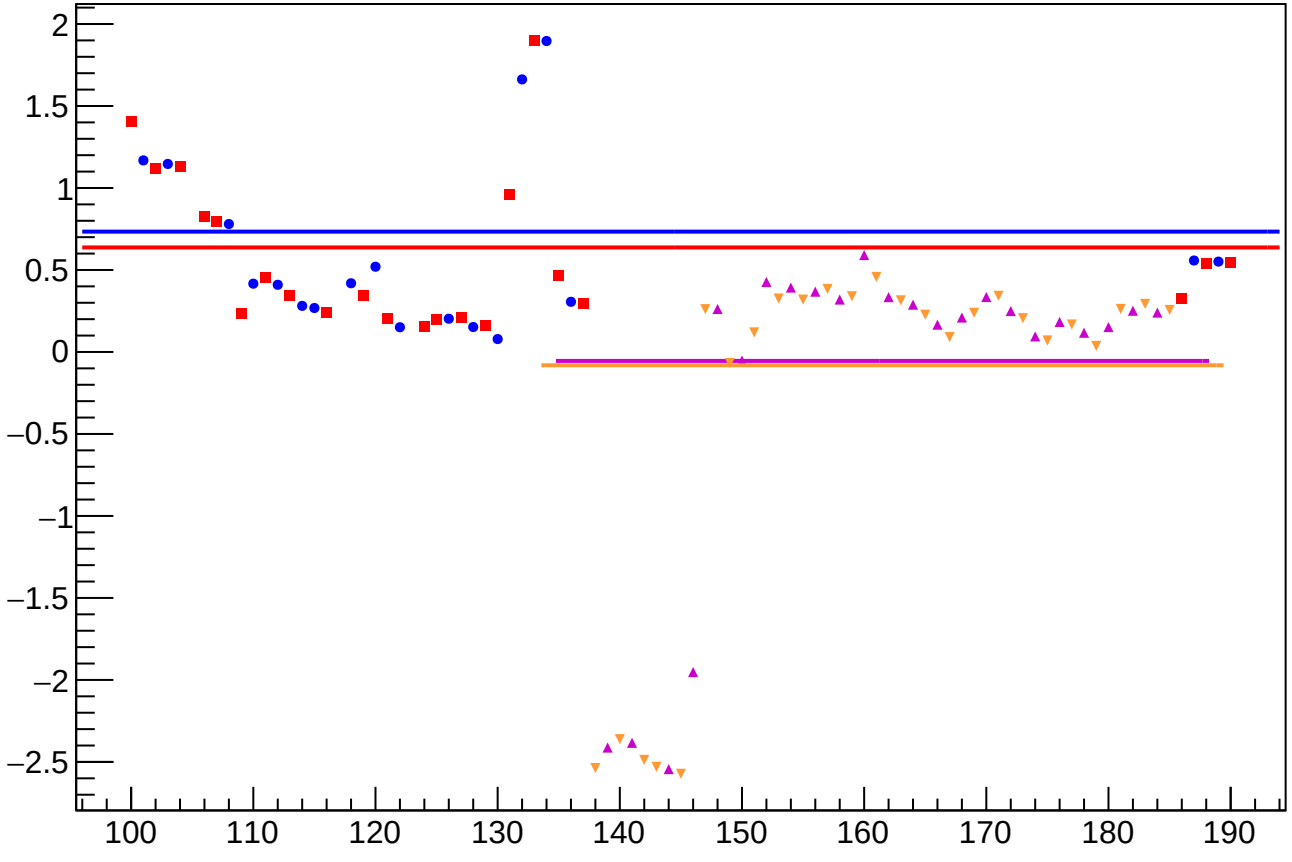
Right: 0.004+/-0.000 χ^2/NDF: 777289.3/39

In: 0.005+/-0.000 χ^2/NDF:4131898.8/40

Out: 0.005+/-0.000 χ^2/NDF:4532868.9/46

All: 0.005+/-0.000 χ^2/NDF: 8666076.9/87

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.734+/-0.000 χ^2/NDF: 38451357600.4/17

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.637+/-0.000 χ^2/NDF: 41762724490.4/21

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

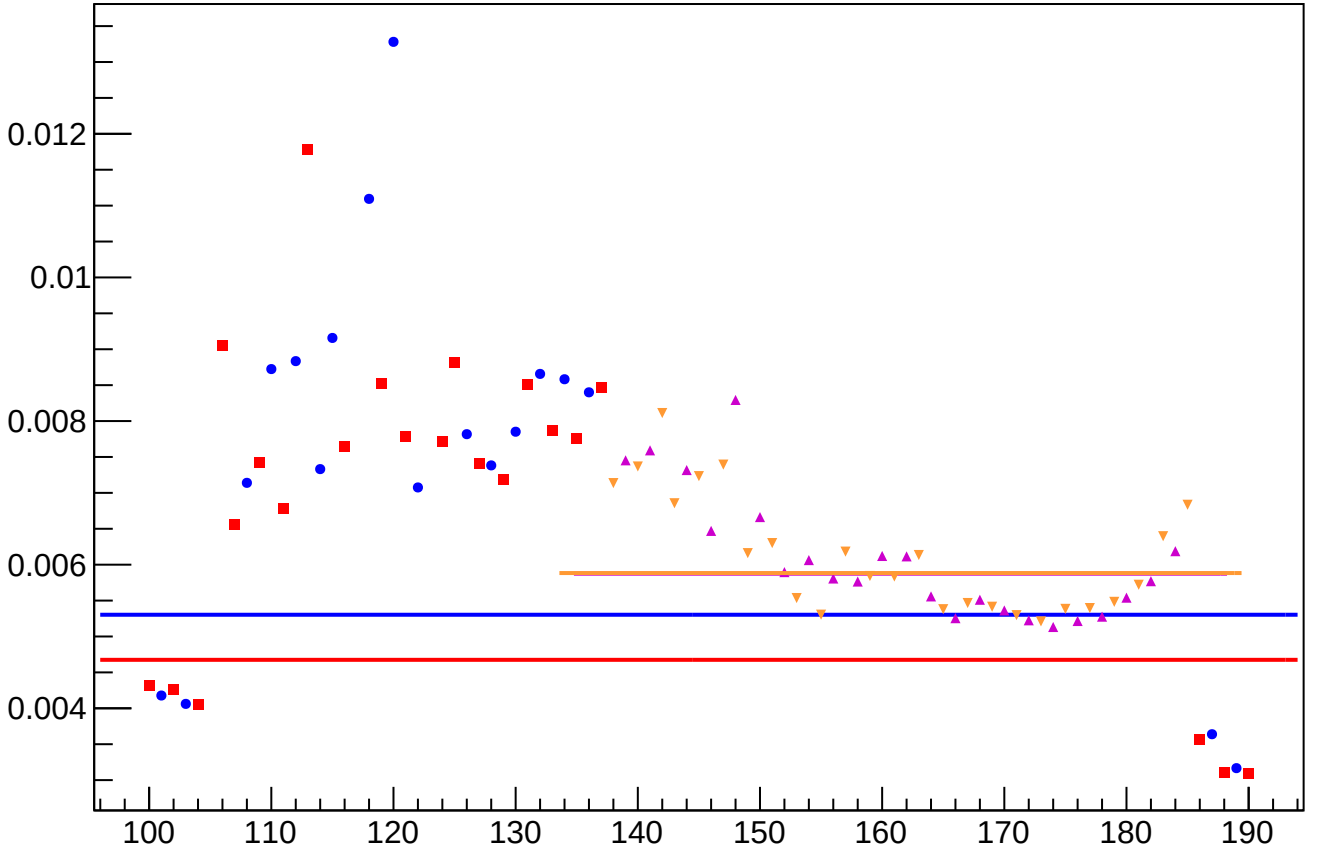
Right: 0.676+/-0.000 χ^2/NDF: 81385073063.8/39

In: 0.182+/-0.000 χ^2/NDF:476071529848.2/40

Out: 0.195+/-0.000 χ^2/NDF:530803628885.7/46

All: 0.189+/-0.000 χ^2/NDF: 1006939981338.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2195774.6/17

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2620311.4/21

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

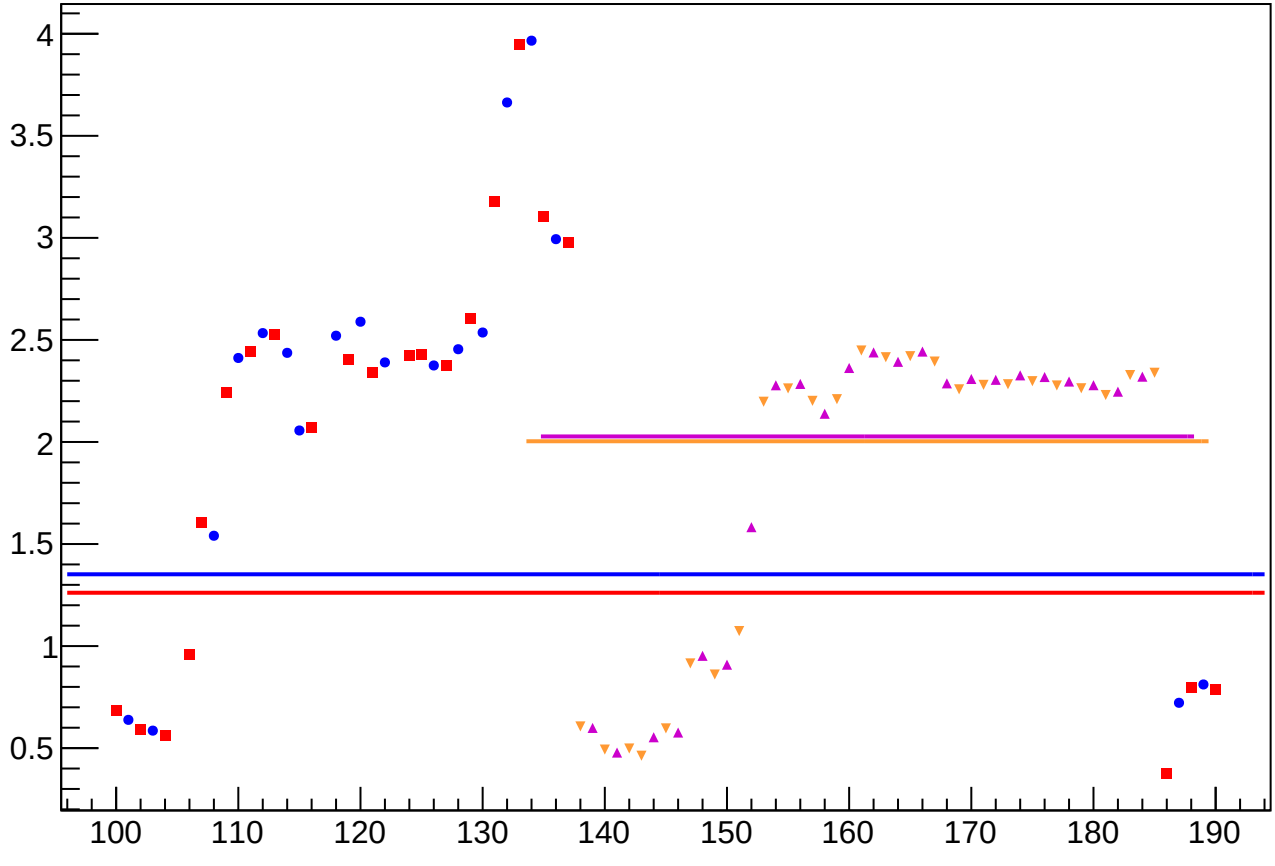
Right: 0.005+/-0.000 χ^2/NDF: 4915165.2/39

In: 0.006+/-0.000 χ^2/NDF:2812913.7/40

Out: 0.005+/-0.000 χ^2/NDF:3647816.1/46

All: 0.006+/-0.000 χ^2/NDF: 6521702.1/87

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.352+/-0.000 χ^2/NDF: 179465055377.7/17

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.261+/-0.000 χ^2/NDF: 217677835206.1/21

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

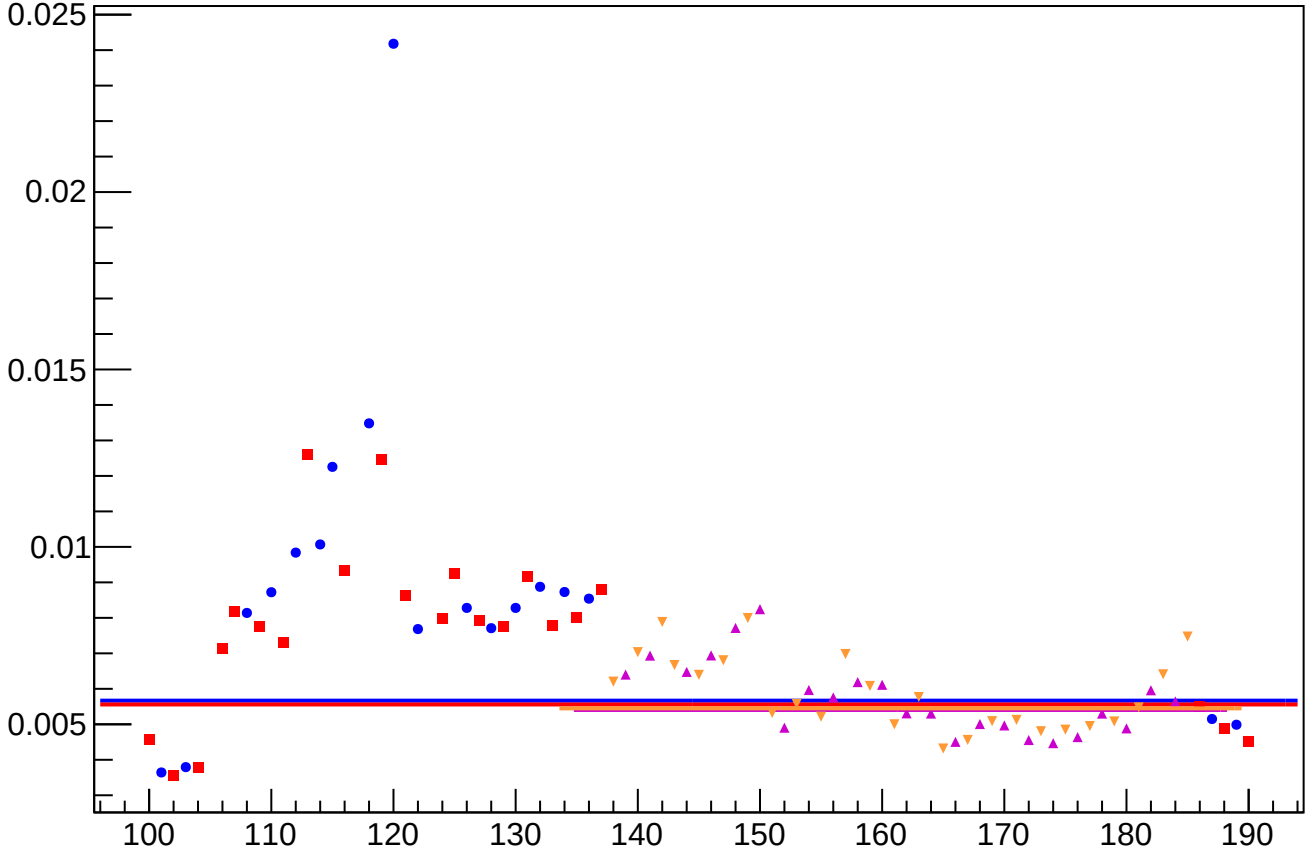
Right: 1.301+/-0.000 χ^2/NDF: 397958034633.6/39

In: 1.859+/-0.000 χ^2/NDF:434318812565.6/40

Out: 1.786+/-0.000 χ^2/NDF:525976263254.8/46

All: 1.821+/-0.000 χ^2/NDF: 962275980924.8

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2239886.5/17

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2046264.7/21

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

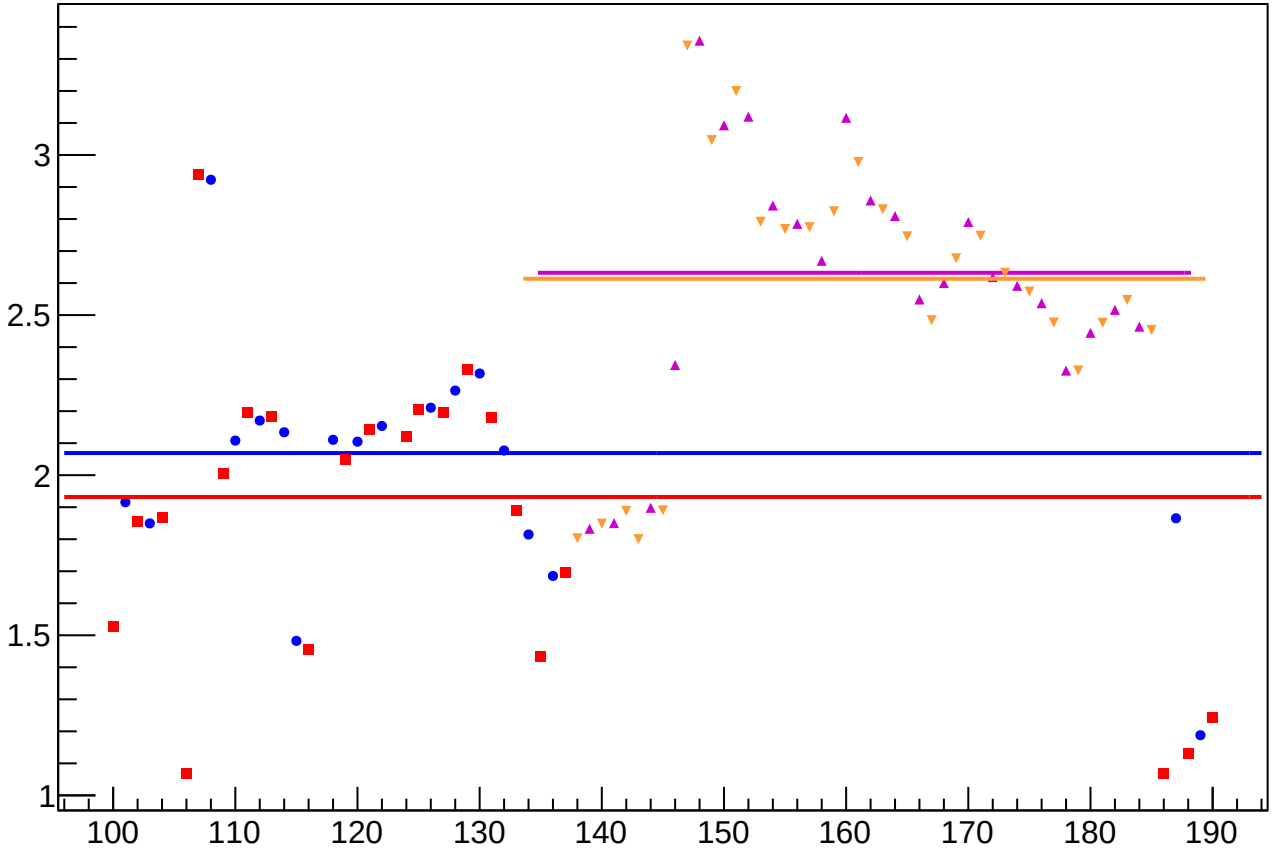
Right: 0.006+/-0.000 χ^2/NDF: 4288474.6/39

In: 0.005+/-0.000 χ^2/NDF:3073169.4/40

Out: 0.005+/-0.000 χ^2/NDF:2821577.0/46

All: 0.005+/-0.000 χ^2/NDF: 5894836.8/87

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.069+/-0.000 χ^2/NDF: 17774707097.5/17

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.932+/-0.000 χ^2/NDF: 31080549560.8/21

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

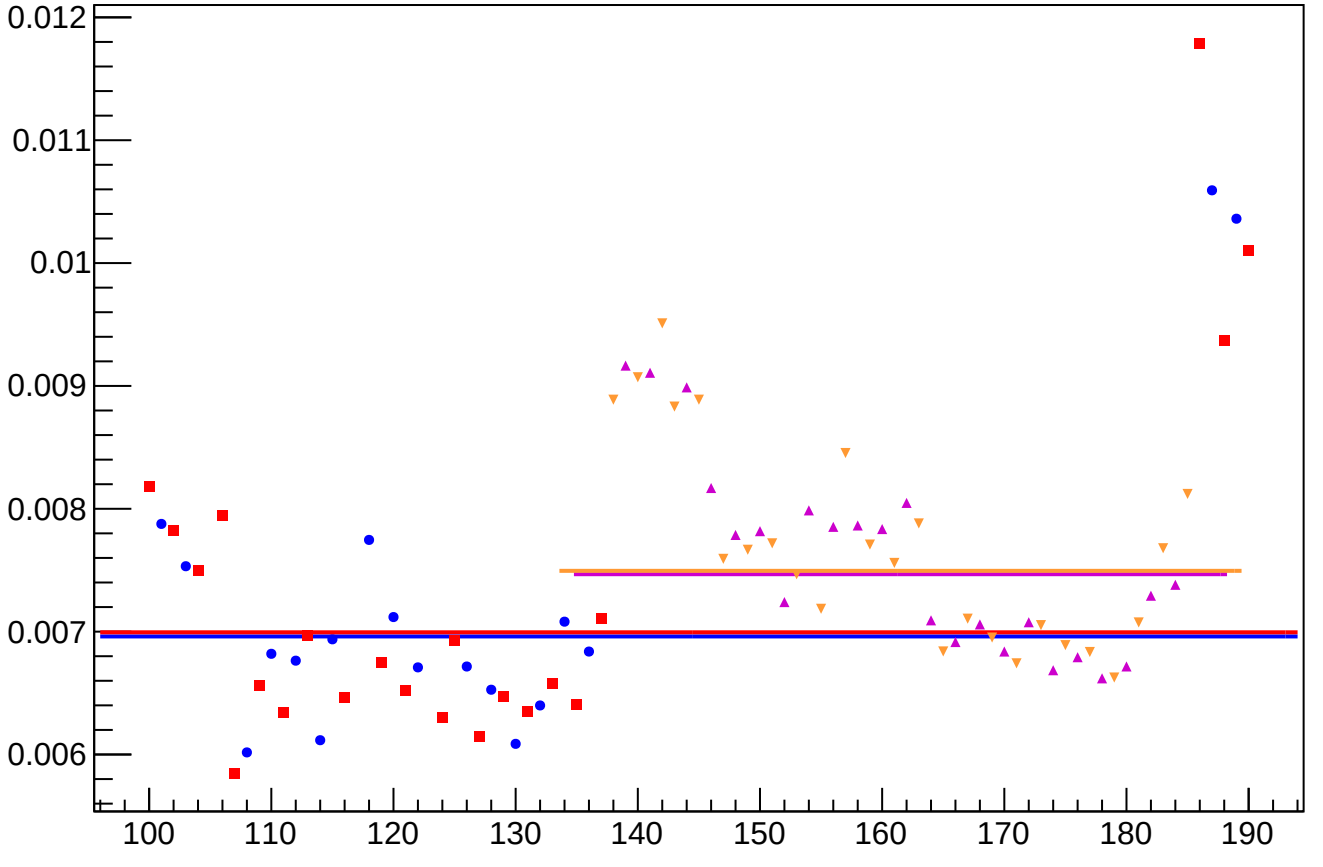
Right: 1.996+/-0.000 χ^2/NDF: 50396542639.6/39

In: 2.446+/-0.000 χ^2/NDF:90842646404.3/40

Out: 2.373+/-0.000 χ^2/NDF:130410663798.4/46

All: 2.408+/-0.000 χ^2/NDF: 222533728791.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 240817.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 420944.4/21

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

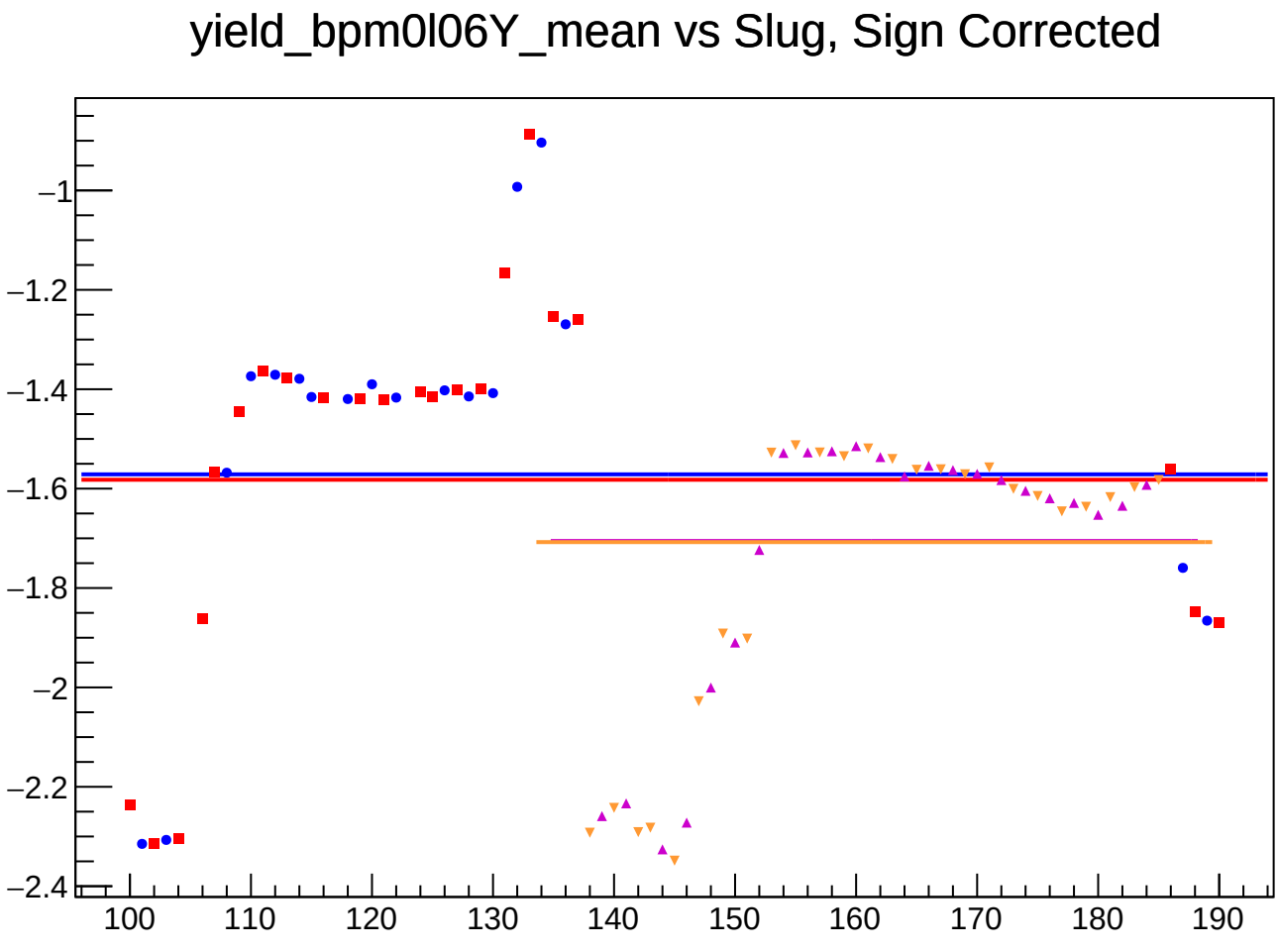
Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

Right: 0.007+/-0.000 χ^2/NDF: 661947.5/39

In: 0.007+/-0.000 χ^2/NDF:615365.8/40

Out: 0.007+/-0.000 χ^2/NDF:810639.1/46

All: 0.007+/-0.000 χ^2/NDF: 1426166.5/87



Right In: -1.571+/-0.000 χ^2/NDF: 180024653293.5/17

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.582+/-0.000 χ^2/NDF: 185283527708.0/21

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

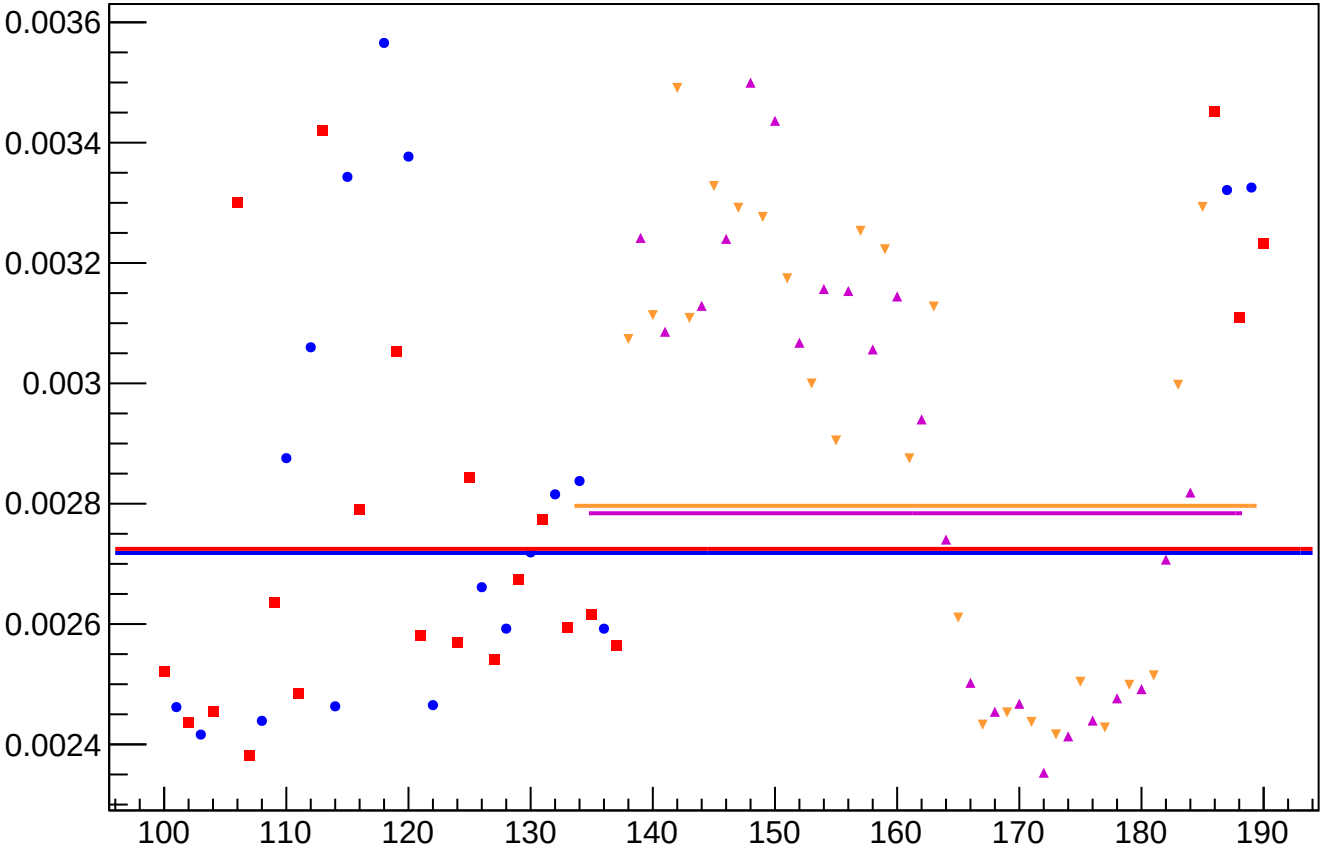
Right: -1.577+/-0.000 χ^2/NDF: 365371523244.5/39

In: -1.664+/-0.000 χ^2/NDF:328910679698.9/40

Out: -1.665+/-0.000 χ^2/NDF:349261549579.9/46

All: -1.664+/-0.000 χ^2/NDF: 678177528725.0

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 206172.2/17

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 207850.7/21

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

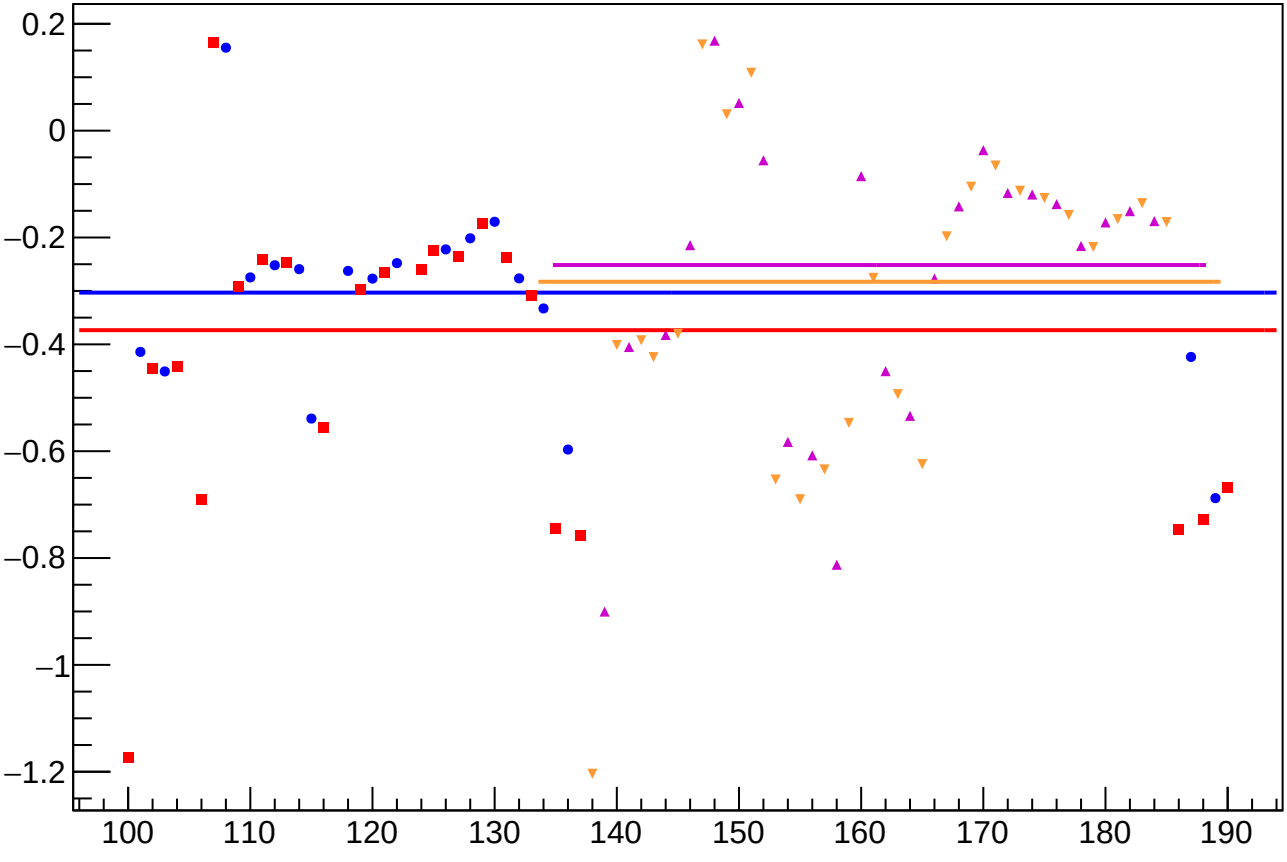
Right: 0.003+/-0.000 χ^2/NDF: 414072.9/39

In: 0.003+/-0.000 χ^2/NDF:769271.6/40

Out: 0.003+/-0.000 χ^2/NDF:763500.8/46

All: 0.003+/-0.000 χ^2/NDF: 1533031.3/87

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.303+/-0.000 χ^2/NDF: 1907396575.9/17

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.373+/-0.000 χ^2/NDF: 3313736232.2/21

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

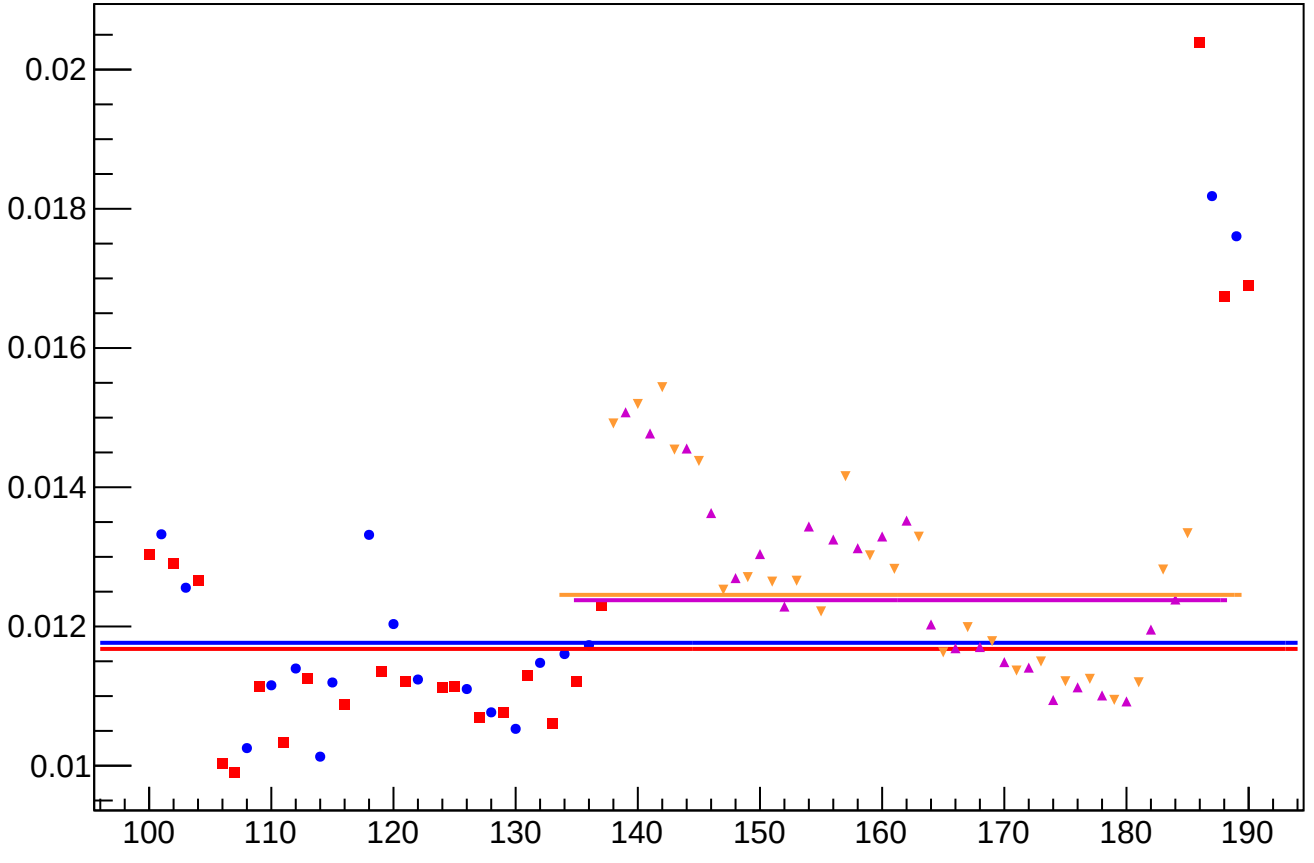
Right: -0.341+/-0.000 χ^2/NDF: 5366139922.8/39

In: -0.268+/-0.000 χ^2/NDF:9172414386.0/40

Out: -0.315+/-0.000 χ^2/NDF:12997068494.0/46

All: -0.292+/-0.000 χ^2/NDF: 22356633950.8/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 246349.2/17

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 472881.5/21

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

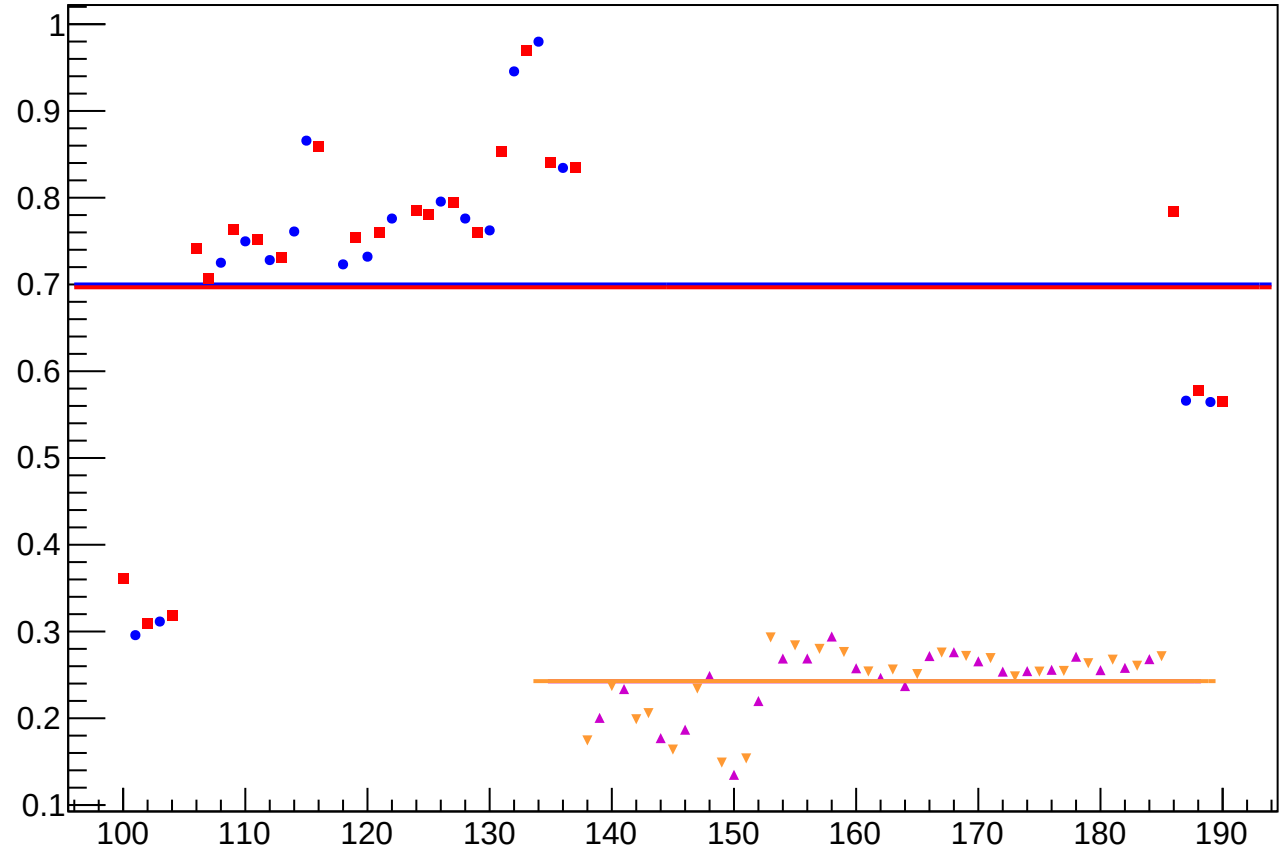
Right: 0.012+/-0.000 χ^2/NDF: 719682.7/39

In: 0.012+/-0.000 χ^2/NDF:600739.9/40

Out: 0.012+/-0.000 χ^2/NDF:864177.3/46

All: 0.012+/-0.000 χ^2/NDF: 1464918.3/87

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.700+/-0.000 χ^2/NDF: 50495106280.5/17

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.697+/-0.000 χ^2/NDF: 47298017567.0/21

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

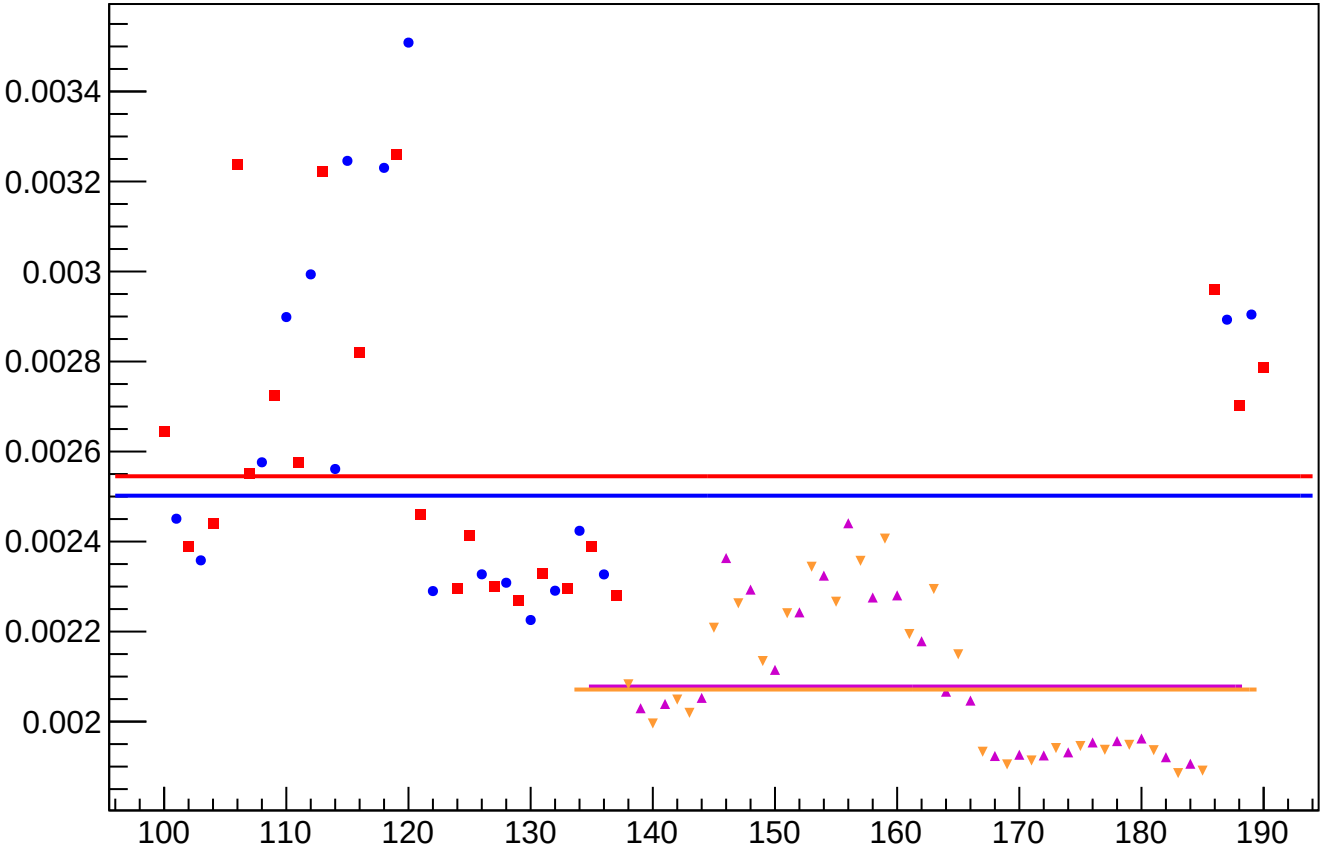
Right: 0.698+/-0.000 χ^2/NDF: 97799825532.4/39

In: 0.344+/-0.000 χ^2/NDF:250818294082.2/40

Out: 0.348+/-0.000 χ^2/NDF:266772054767.9/46

All: 0.346+/-0.000 χ^2/NDF: 517629796187.4

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 235545.9/17

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 208597.2/21

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

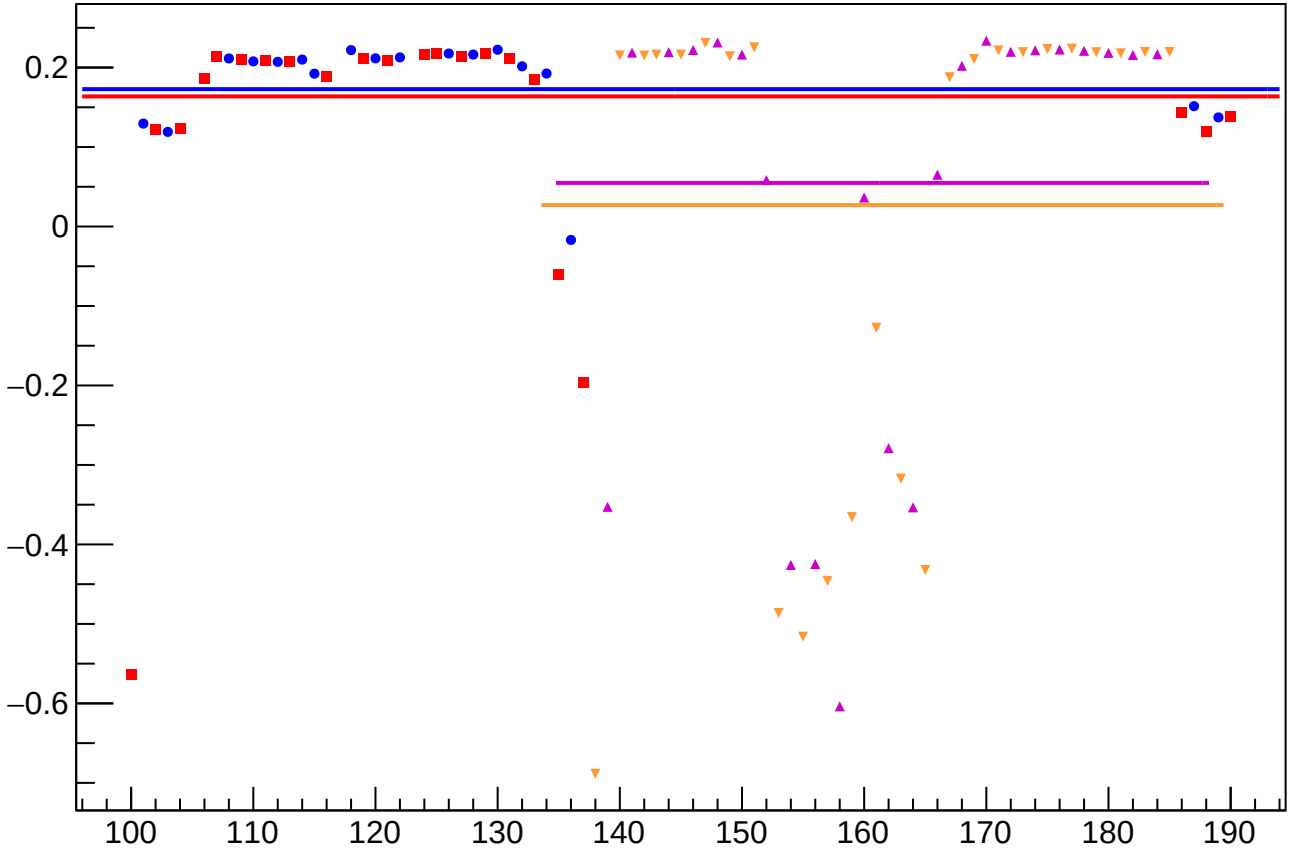
Right: 0.003+/-0.000 χ^2/NDF: 446493.6/39

In: 0.002+/-0.000 χ^2/NDF:781487.7/40

Out: 0.002+/-0.000 χ^2/NDF:904802.7/46

All: 0.002+/-0.000 χ^2/NDF: 1686731.9/87

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.173+/-0.000 χ^2/NDF: 404913960.7/17

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.164+/-0.000 χ^2/NDF: 904466955.6/21

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

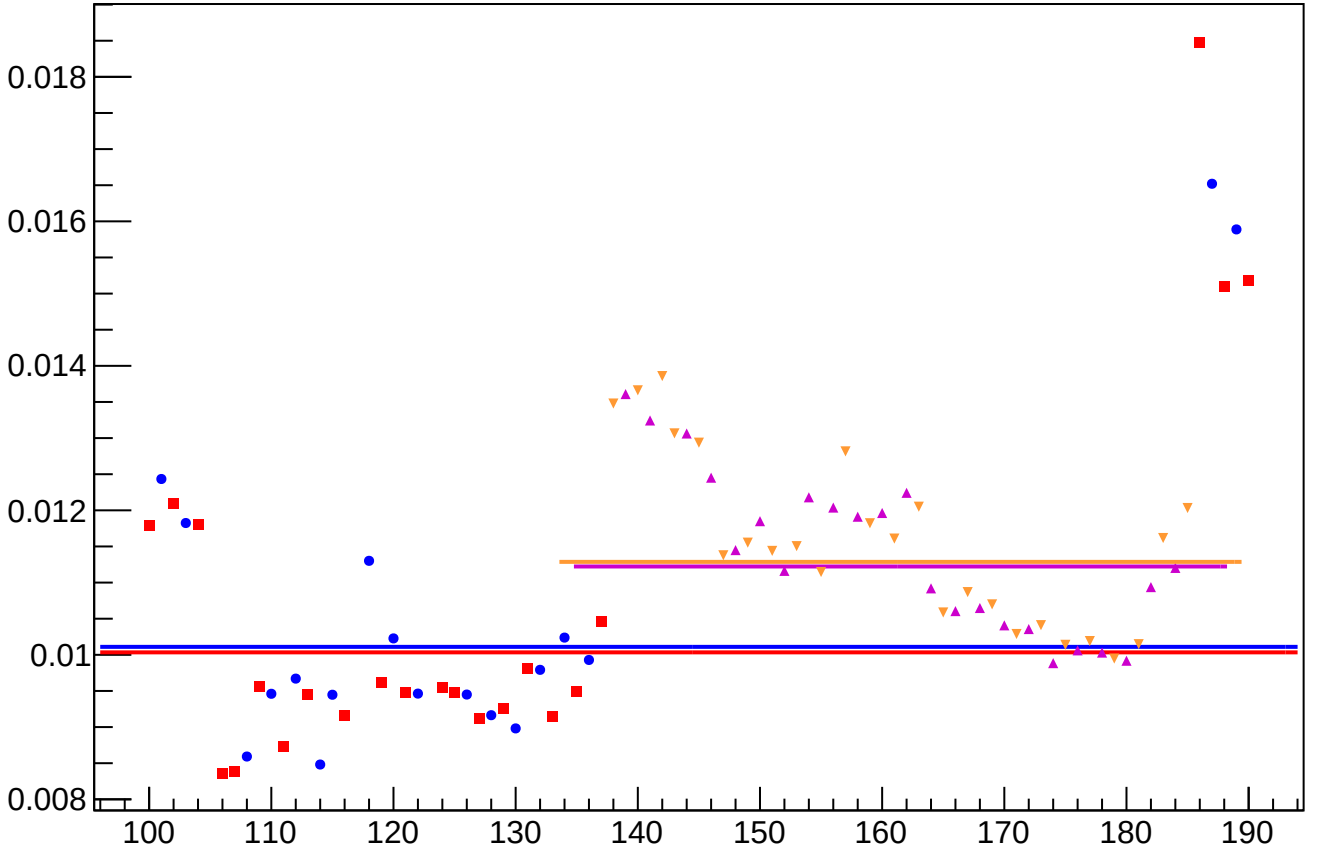
Right: 0.168+/-0.000 χ^2/NDF: 1312692032.2/39

In: 0.096+/-0.000 χ^2/NDF:10772136822.8/40

Out: 0.078+/-0.000 χ^2/NDF:14879366041.8/46

All: 0.086+/-0.000 χ^2/NDF: 25685779848.9/8

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 342916.4/17

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 614231.7/21

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

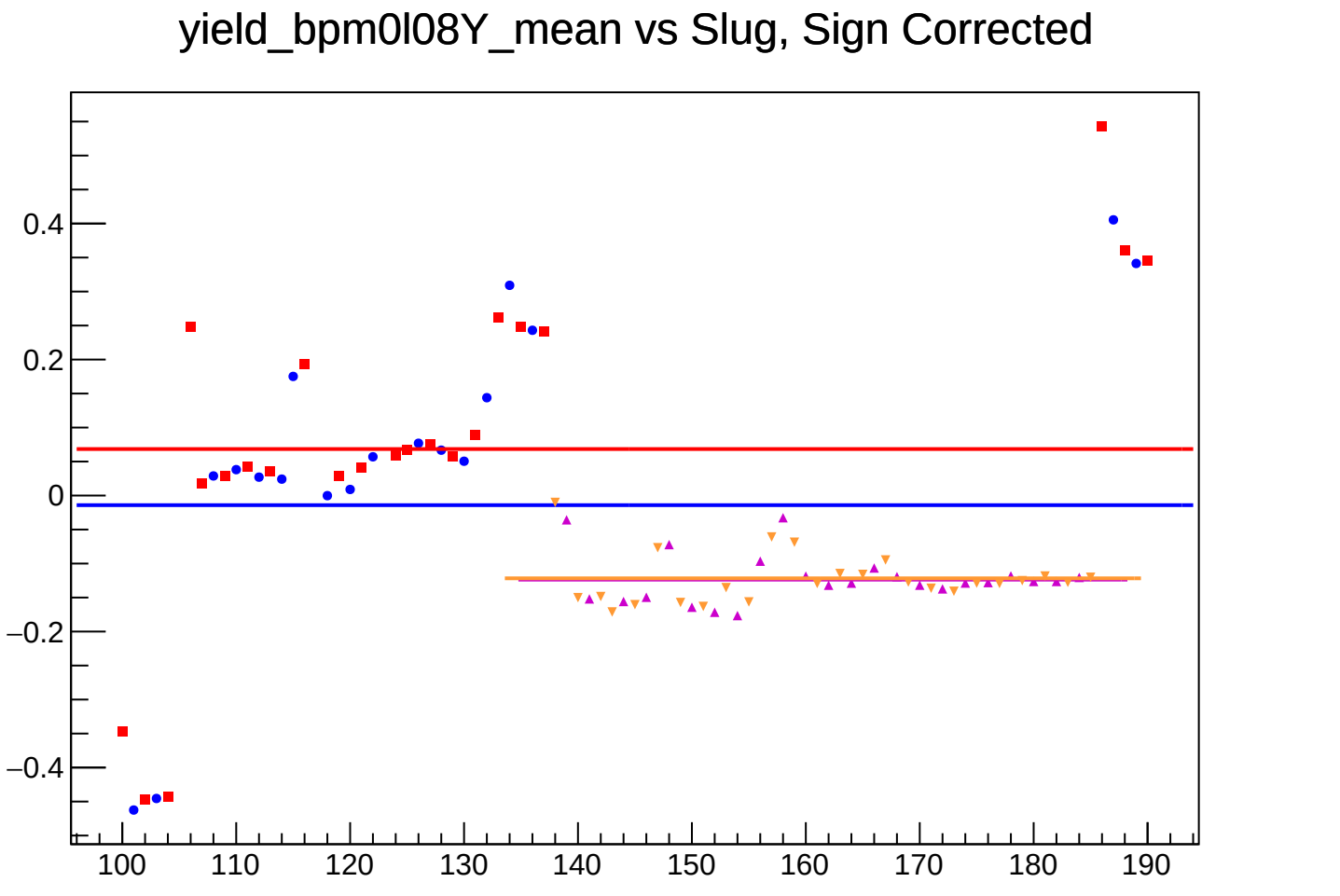
Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

Right: 0.010+/-0.000 χ^2/NDF: 957604.9/39

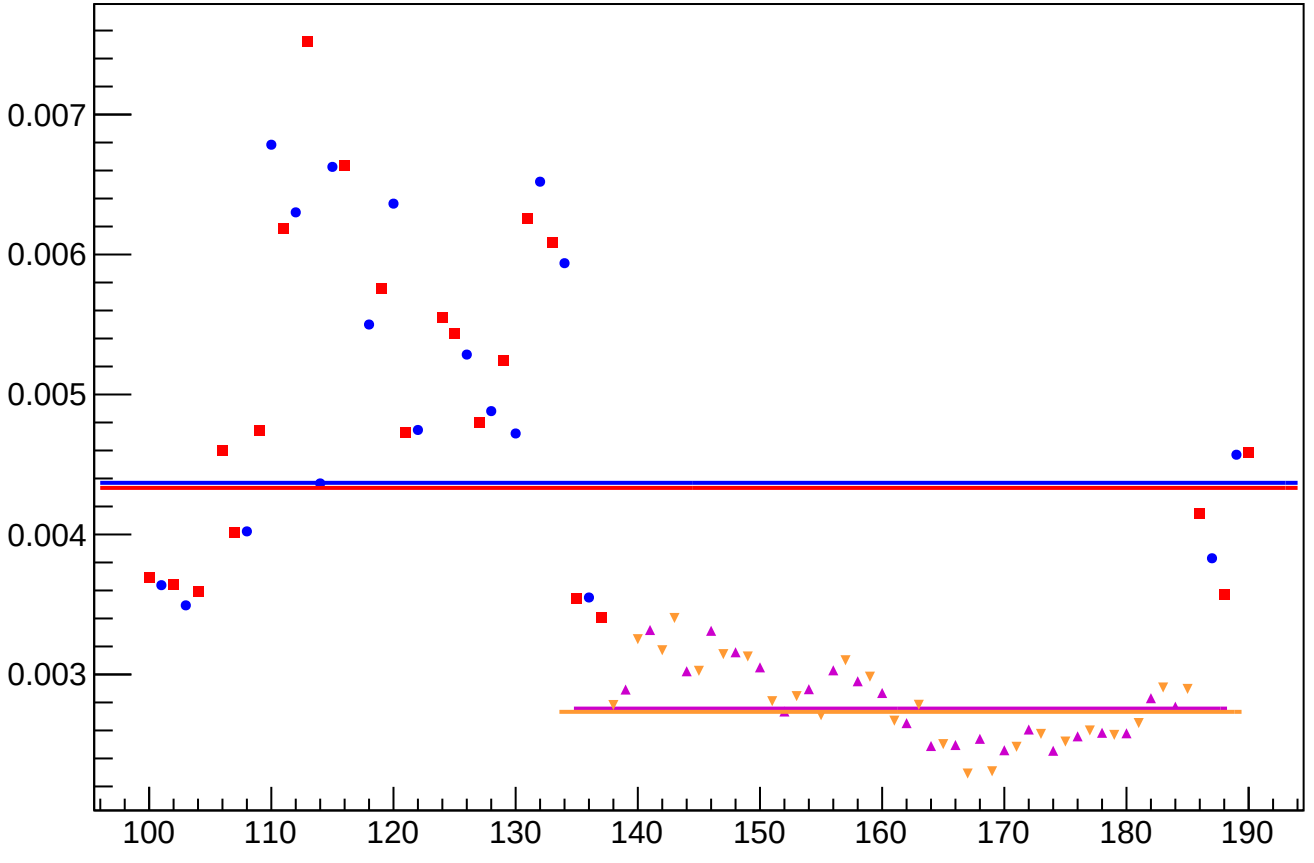
In: 0.011+/-0.000 χ^2/NDF:776059.8/40

Out: 0.011+/-0.000 χ^2/NDF:1110600.2/46

All: 0.011+/-0.000 χ^2/NDF: 1886733.3/87


yield_bpm0l08Y_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.000 χ²/NDF: 29584999524.1/17
Left Out: -0.122+/-0.000 χ²/NDF:2922583819.6/24
Right Out: 0.068+/-0.000 χ²/NDF: 38321882520.1/21
Left In: -0.124+/-0.000 χ²/NDF:2809457047.2/22
Left: -0.123+/-0.000 χ²/NDF: 5736373212.1/47
Right: 0.031+/-0.000 χ²/NDF: 69220168801.0/39
In: -0.109+/-0.000 χ²/NDF:36074751745.0/40
Out: -0.094+/-0.000 χ²/NDF:54294328917.7/46
All: -0.101+/-0.000 χ²/NDF: 90684087811.4/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 668540.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 810223.9/21

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

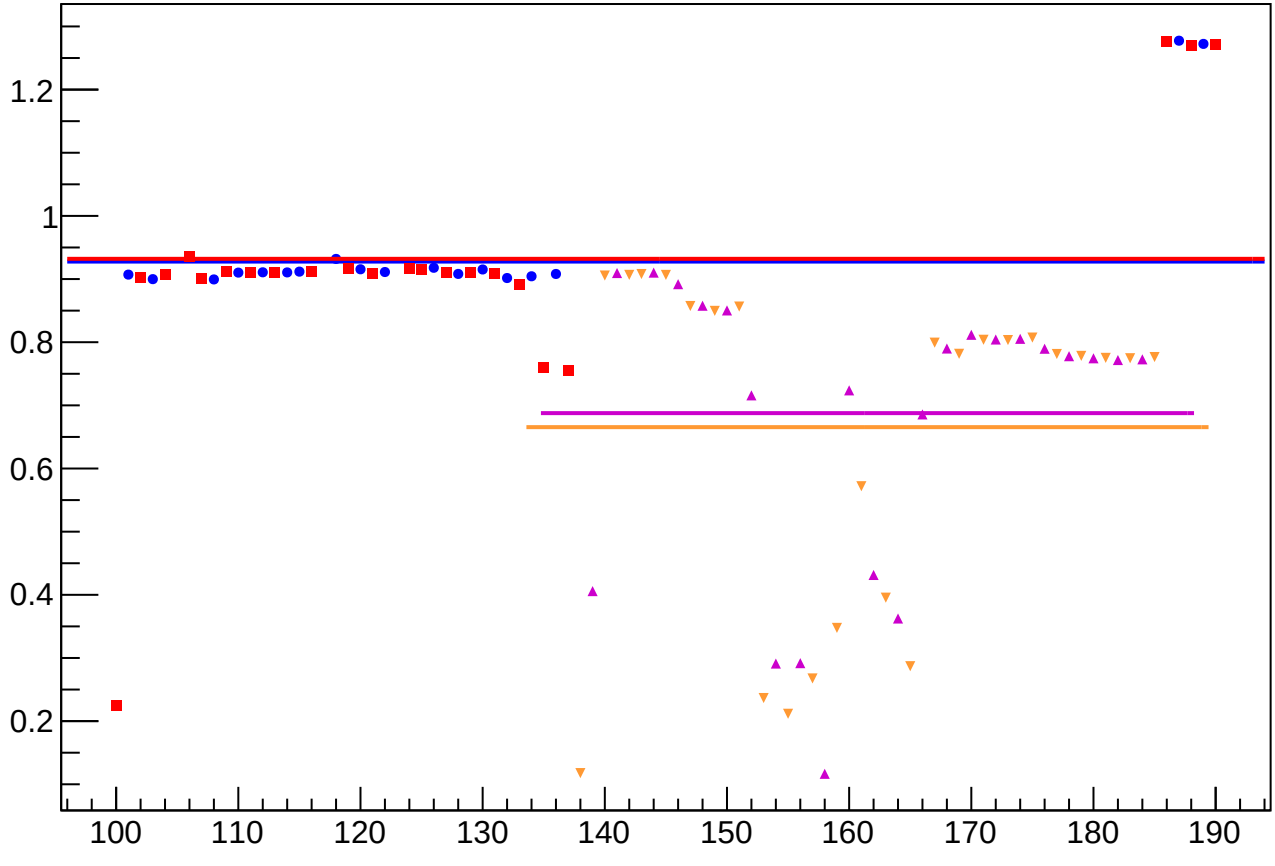
Right: 0.004+/-0.000 χ^2/NDF: 1479269.1/39

In: 0.003+/-0.000 χ^2/NDF:2557938.3/40

Out: 0.003+/-0.000 χ^2/NDF:3049900.4/46

All: 0.003+/-0.000 χ^2/NDF: 5607901.4/87

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.928+/-0.000 χ^2/NDF: 372803503.8/17

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.932+/-0.000 χ^2/NDF: 1271005364.5/21

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

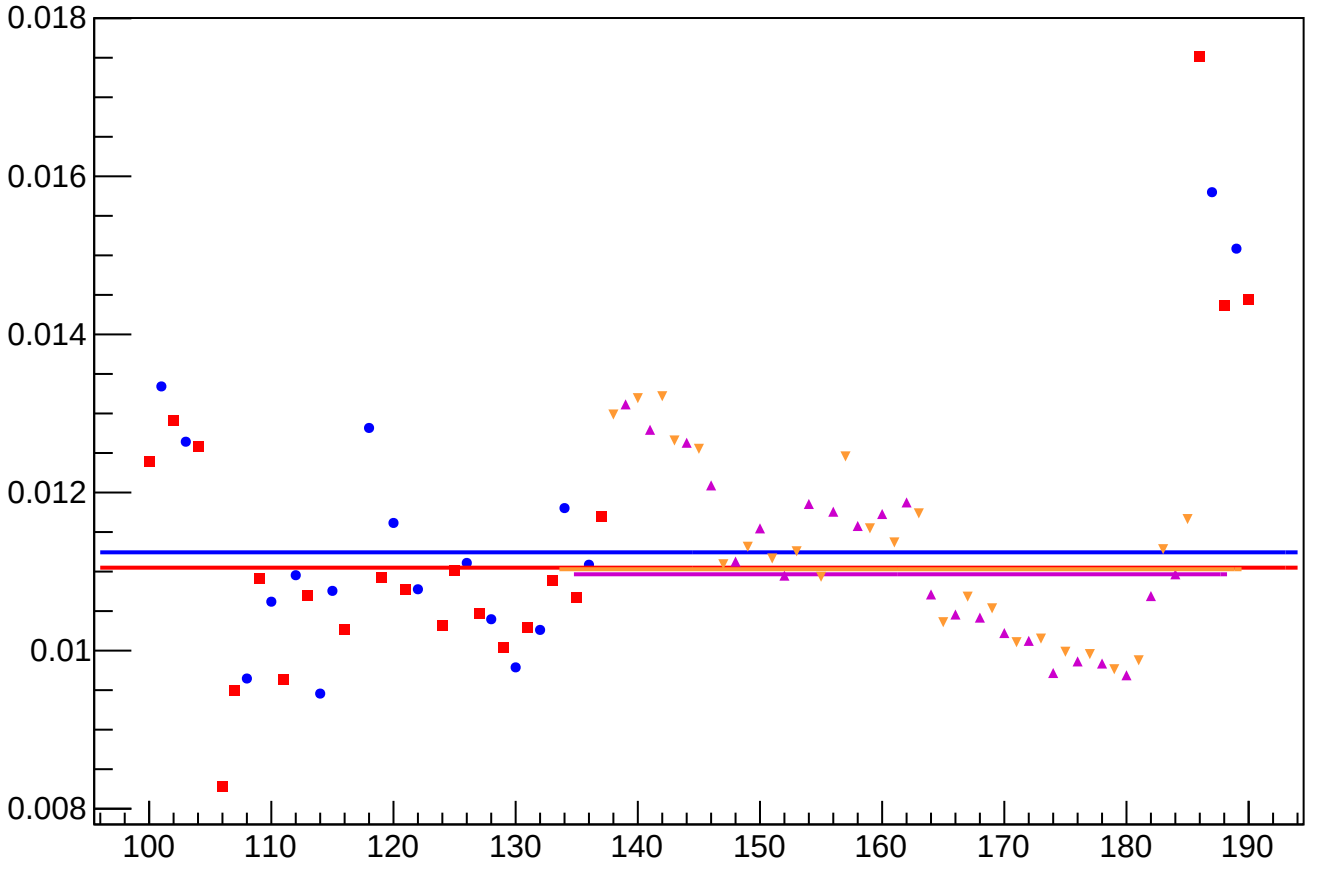
Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

Right: 0.930+/-0.000 χ^2/NDF: 1644417596.7/39

In: 0.757+/-0.000 χ^2/NDF:9797375889.6/40

Out: 0.751+/-0.000 χ^2/NDF:13930425414.2/46

All: 0.754+/-0.000 χ^2/NDF: 23732206989.4/8



Right In: 0.011+/-0.000 χ^2/NDF: 230204.1/17

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 406844.1/21

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

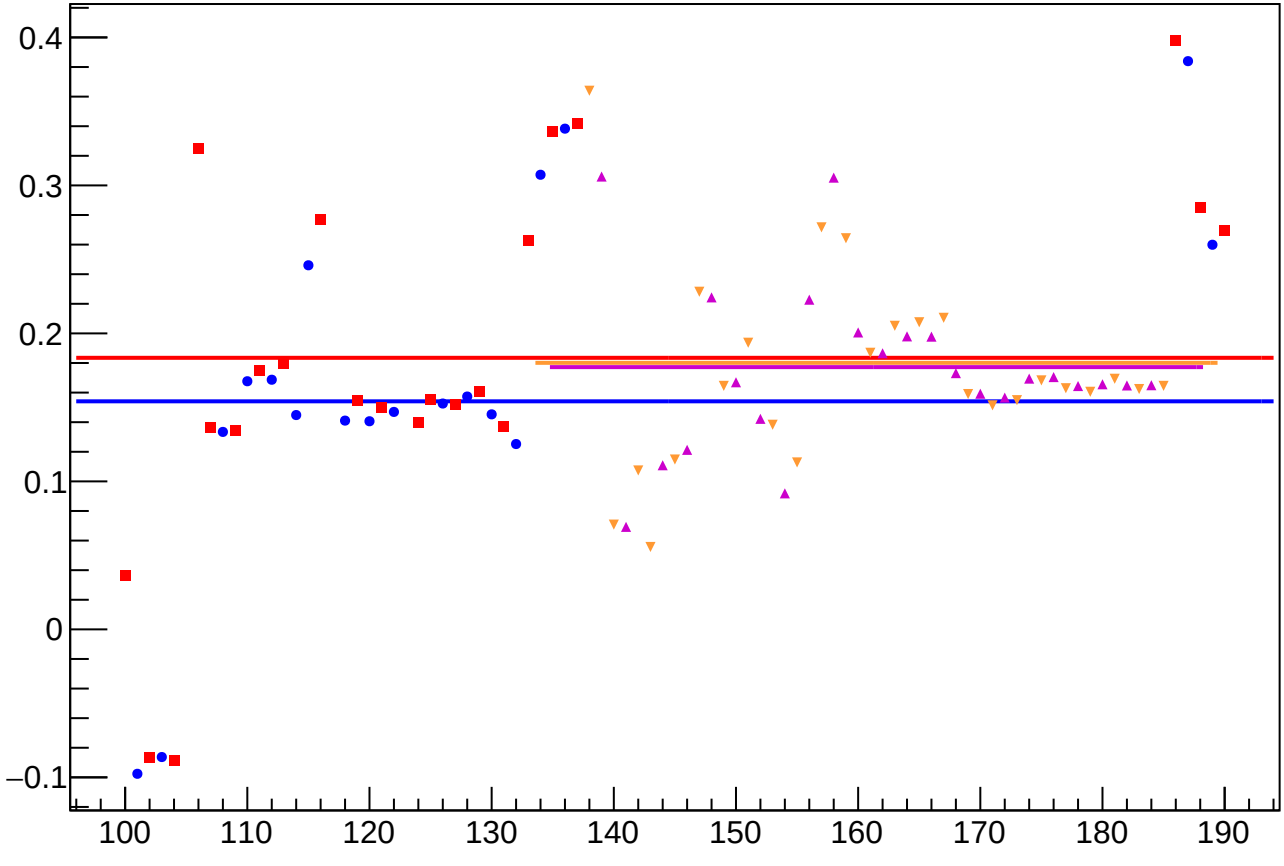
Right: 0.011+/-0.000 χ^2/NDF: 639488.5/39

In: 0.011+/-0.000 χ^2/NDF:524350.3/40

Out: 0.011+/-0.000 χ^2/NDF:706327.3/46

All: 0.011+/-0.000 χ^2/NDF: 1230700.8/87

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF: 8467047569.1/17

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.184+/-0.000 χ^2/NDF: 8952550034.1/21

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

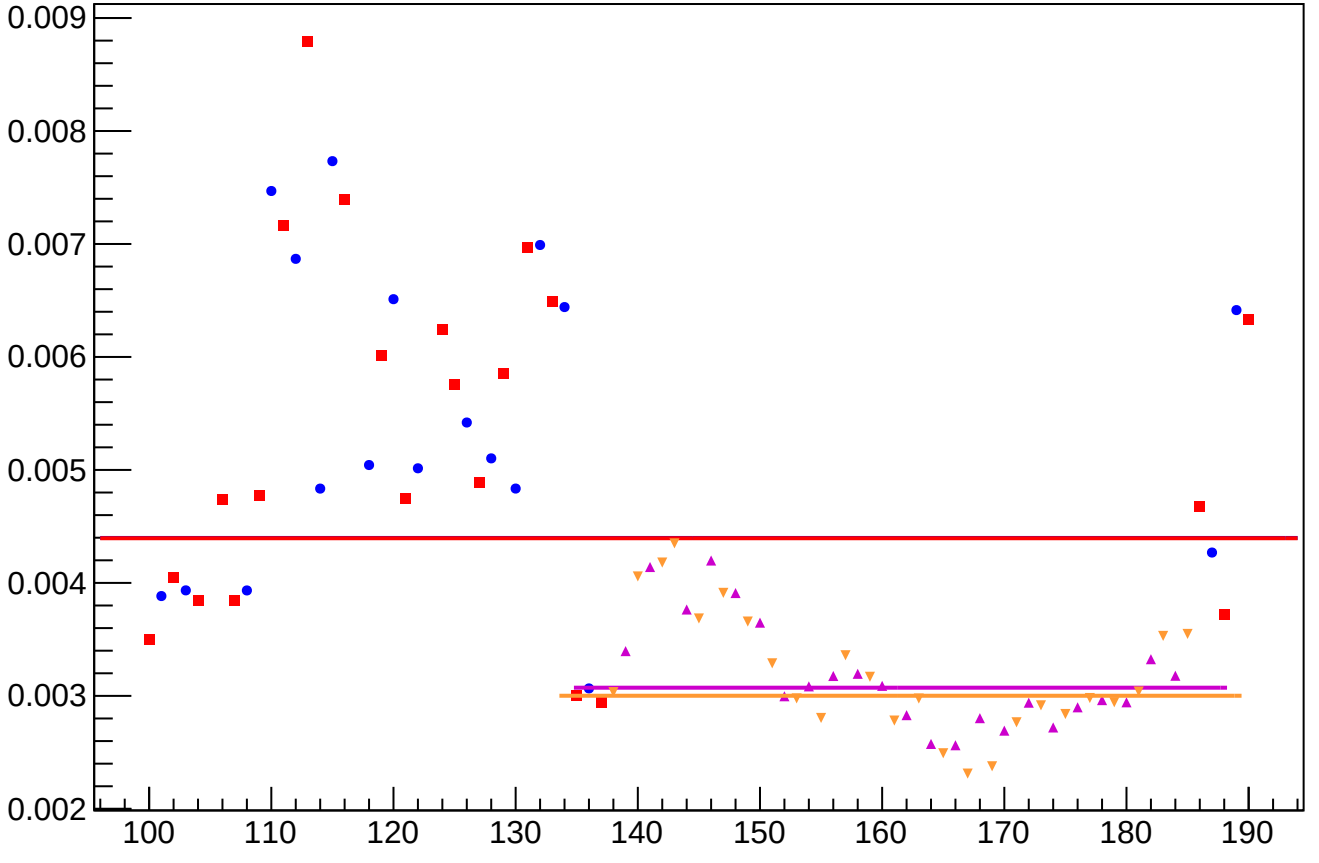
Right: 0.170+/-0.000 χ^2/NDF: 17572074557.9/39

In: 0.174+/-0.000 χ^2/NDF:13235420755.7/40

Out: 0.181+/-0.000 χ^2/NDF:15405085406.7/46

All: 0.177+/-0.000 χ^2/NDF: 28695606550.6/8

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 981670.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1204444.3/21

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

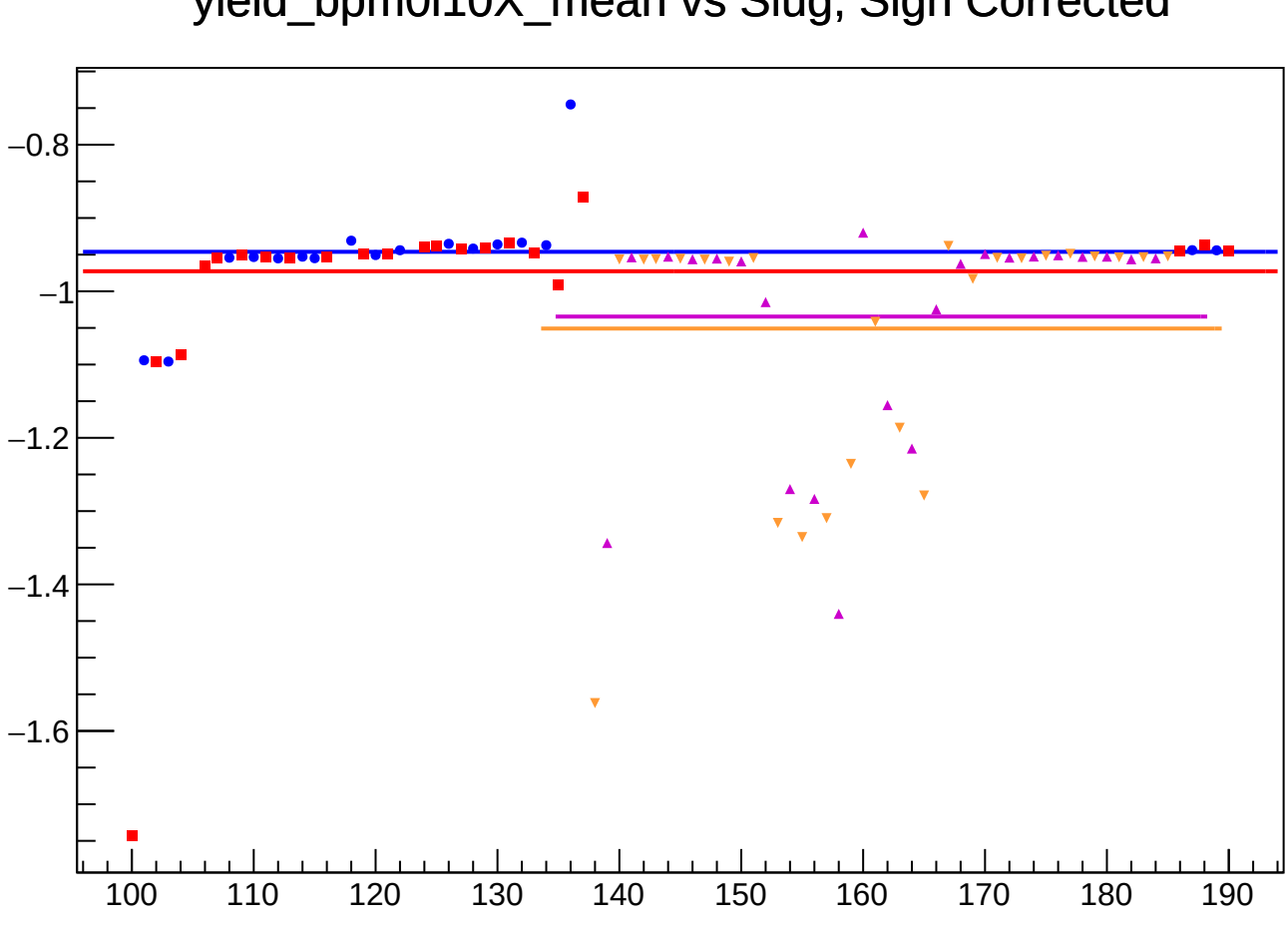
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.004+/-0.000 χ^2/NDF: 2186117.2/39

In: 0.003+/-0.000 χ^2/NDF:2539290.2/40

Out: 0.003+/-0.000 χ^2/NDF:3337947.2/46

All: 0.003+/-0.000 χ^2/NDF: 5882770.4/87



Right In: -0.946+/-0.000 χ^2/NDF: 404527524.0/17

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.973+/-0.000 χ^2/NDF: 473431407.7/21

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

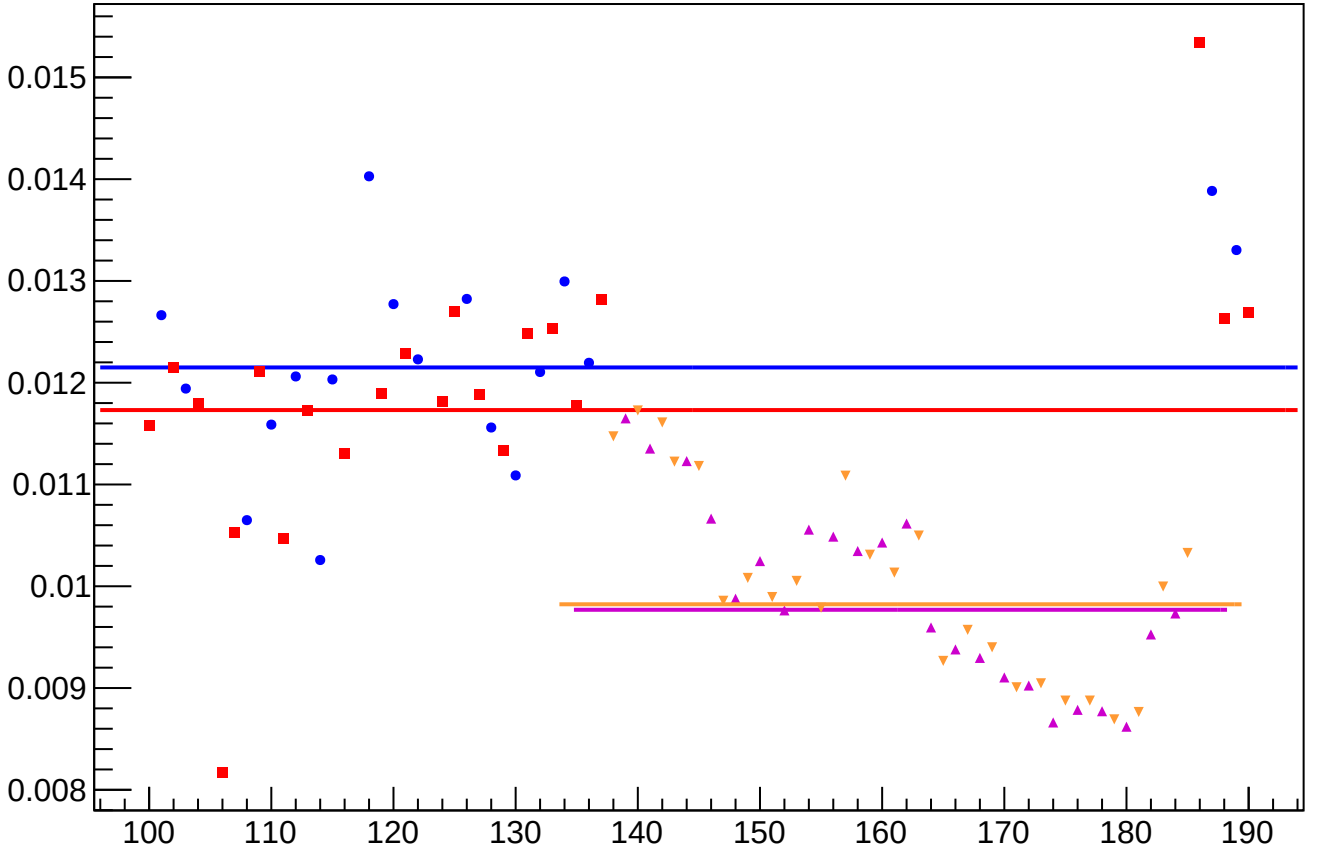
Right: -0.961+/-0.000 χ^2/NDF: 897899328.8/39

In: -1.015+/-0.000 χ^2/NDF:4642785059.5/40

Out: -1.031+/-0.000 χ^2/NDF:5848033765.9/46

All: -1.024+/-0.000 χ^2/NDF: 10522325809.8/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 76512.3/17

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 211862.7/21

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

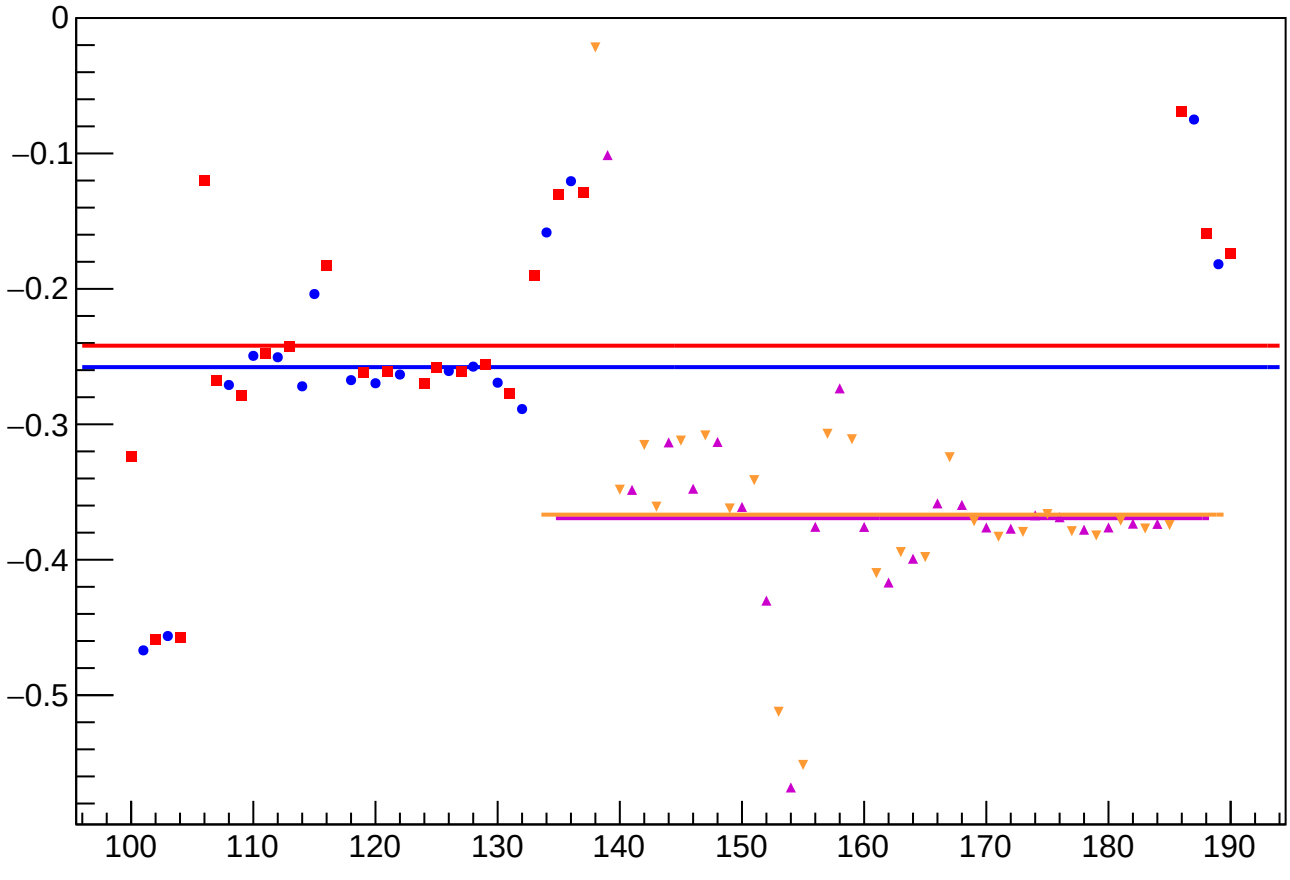
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 298324.1/39

In: 0.010+/-0.000 χ^2/NDF:811825.8/40

Out: 0.010+/-0.000 χ^2/NDF:854049.1/46

All: 0.010+/-0.000 χ^2/NDF: 1665910.6/87



Right In: -0.258+/-0.000 χ^2/NDF: 6484425062.8/17

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.242+/-0.000 χ^2/NDF: 6393724038.3/21

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

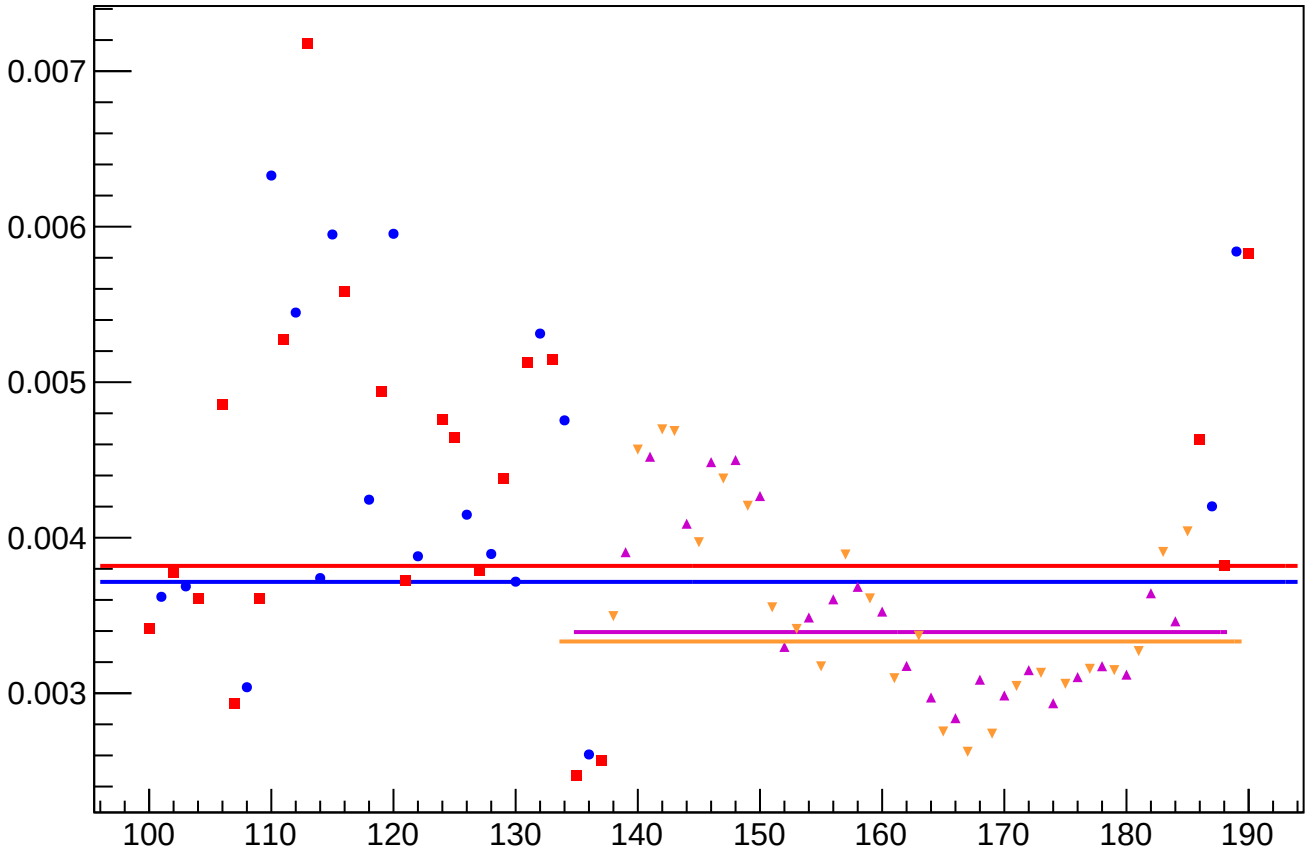
Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

Right: -0.249+/-0.000 χ^2/NDF: 12939039939.5/39

In: -0.342+/-0.000 χ^2/NDF:18400942260.2/40

Out: -0.336+/-0.000 χ^2/NDF:24390313138.5/46

All: -0.339+/-0.000 χ^2/NDF: 42831576497.8/



Right In: 0.004+/-0.000 χ^2/NDF: 870739.9/17

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 996576.3/21

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

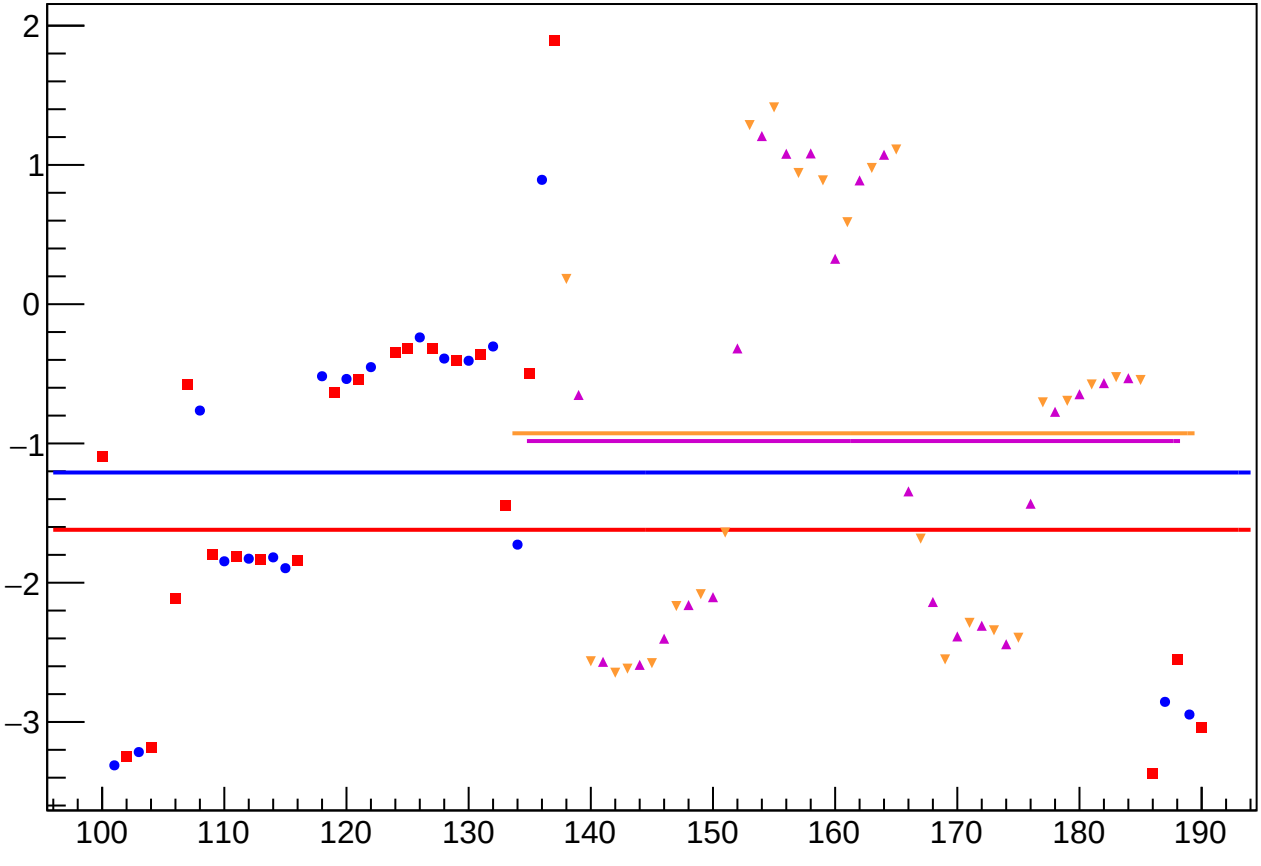
Right: 0.004+/-0.000 χ^2/NDF: 1872458.5/39

In: 0.003+/-0.000 χ^2/NDF:1576866.0/40

Out: 0.003+/-0.000 χ^2/NDF:2037986.0/46

All: 0.003+/-0.000 χ^2/NDF: 3615566.4/87

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.209+/-0.000 χ^2/NDF: 2756002771.5/17

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.620+/-0.000 χ^2/NDF: 2560735498.2/21

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

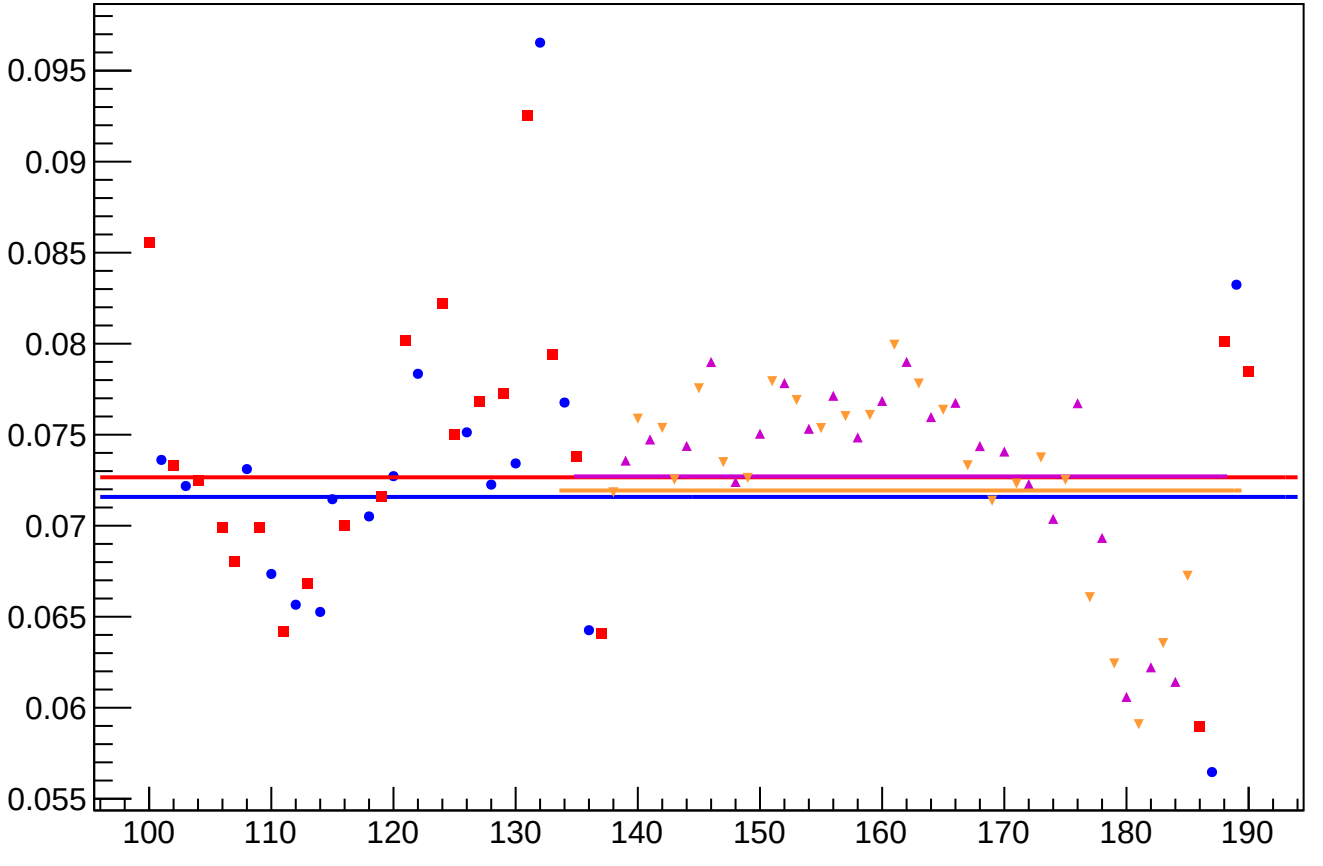
Right: -1.426+/-0.000 χ^2/NDF: 5451057746.9/39

In: -1.052+/-0.000 χ^2/NDF:8727958628.6/40

Out: -1.145+/-0.000 χ^2/NDF:10364241512.6/46

All: -1.101+/-0.000 χ^2/NDF: 19114483319.2/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 146586.4/17

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.073+/-0.000 χ^2/NDF: 159957.3/21

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

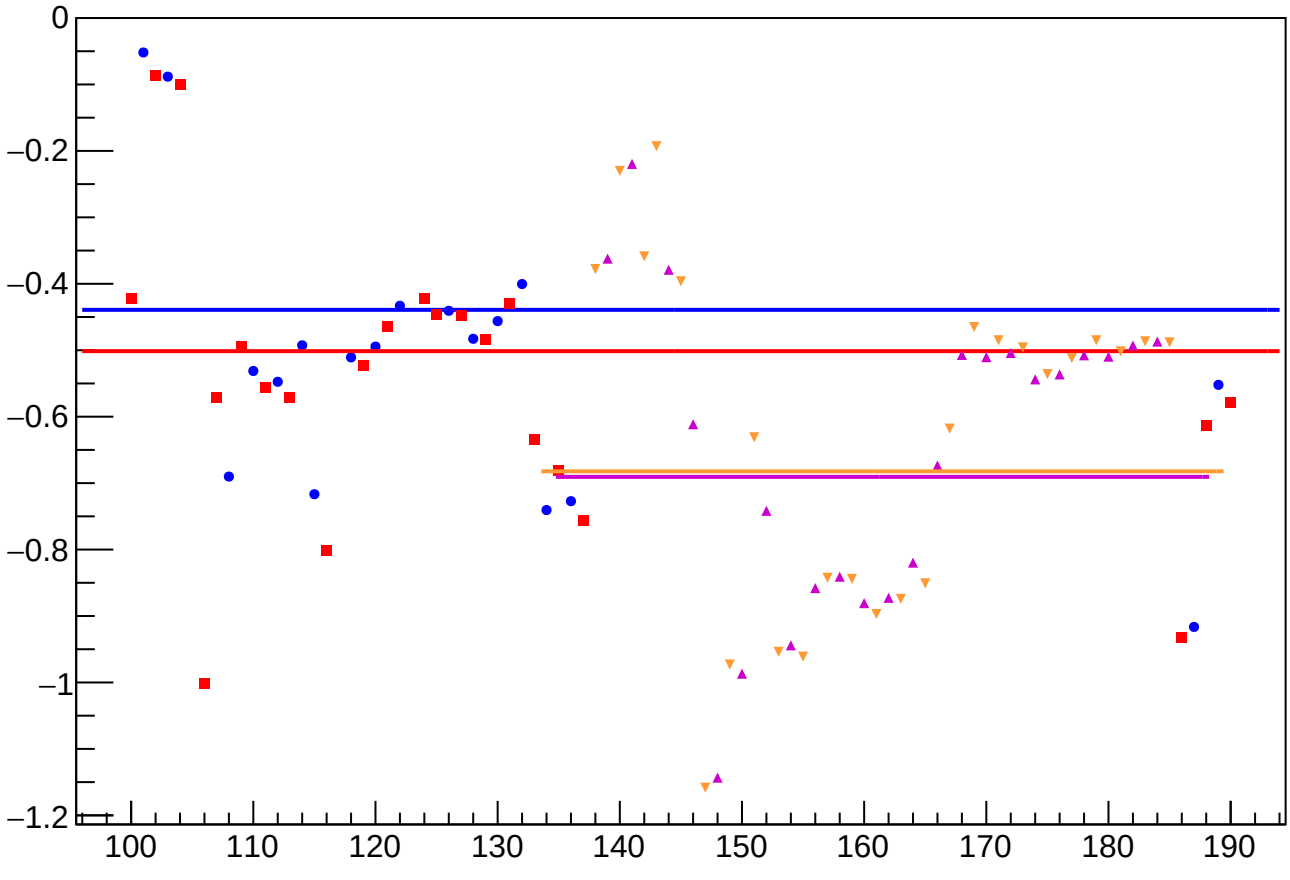
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.072+/-0.000 χ^2/NDF: 308390.7/39

In: 0.072+/-0.000 χ^2/NDF:346239.9/40

Out: 0.072+/-0.000 χ^2/NDF:396707.8/46

All: 0.072+/-0.000 χ^2/NDF: 743152.4/87



Right In: -0.439+/-0.000 χ^2/NDF: 3457356432.7/17

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.501+/-0.000 χ^2/NDF: 4211749278.3/21

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

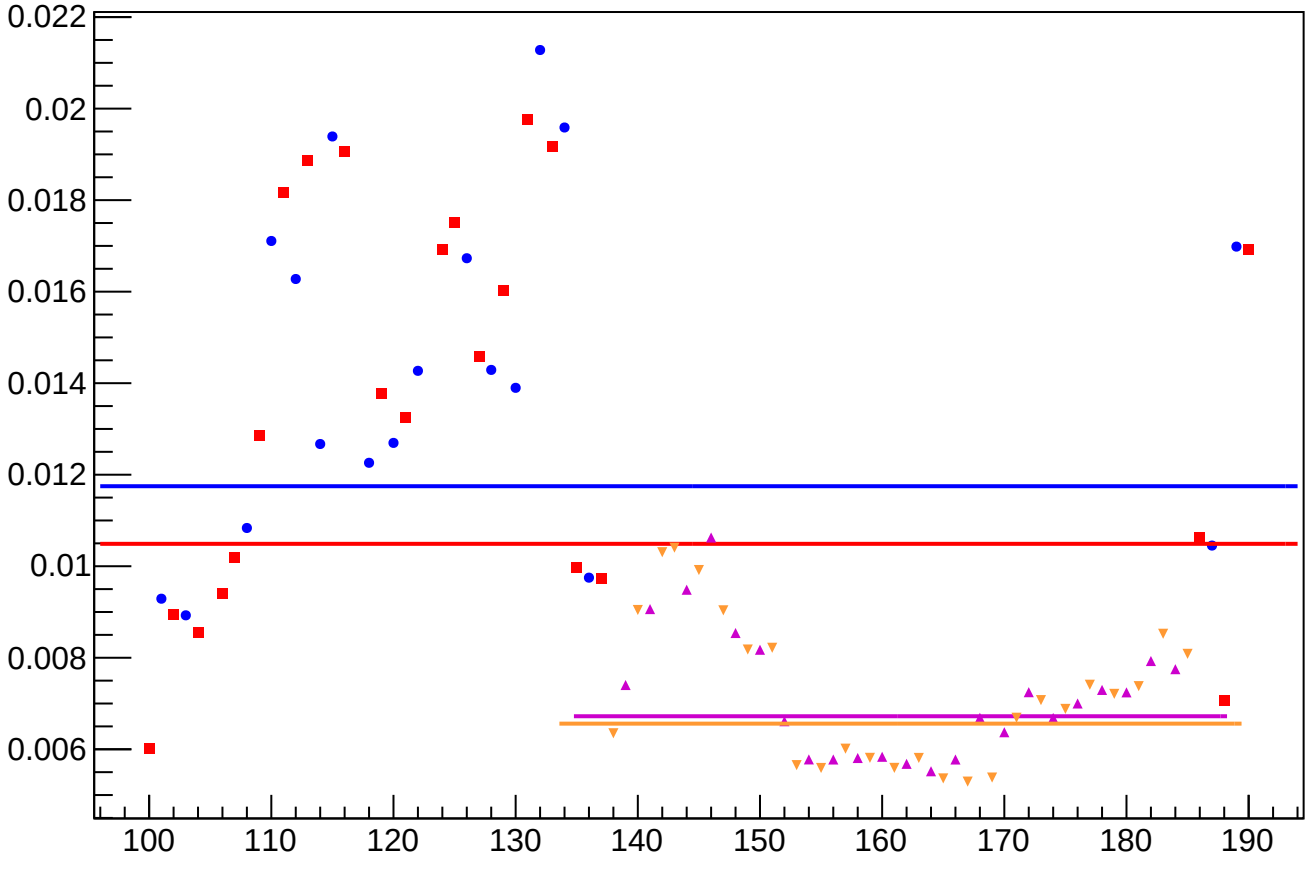
Right: -0.475+/-0.000 χ^2/NDF: 7775478081.7/39

In: -0.662+/-0.000 χ^2/NDF:22991304134.8/40

Out: -0.657+/-0.000 χ^2/NDF:27874597805.4/46

All: -0.659+/-0.000 χ^2/NDF: 50870562727.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 888429.8/17

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1708720.0/21

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

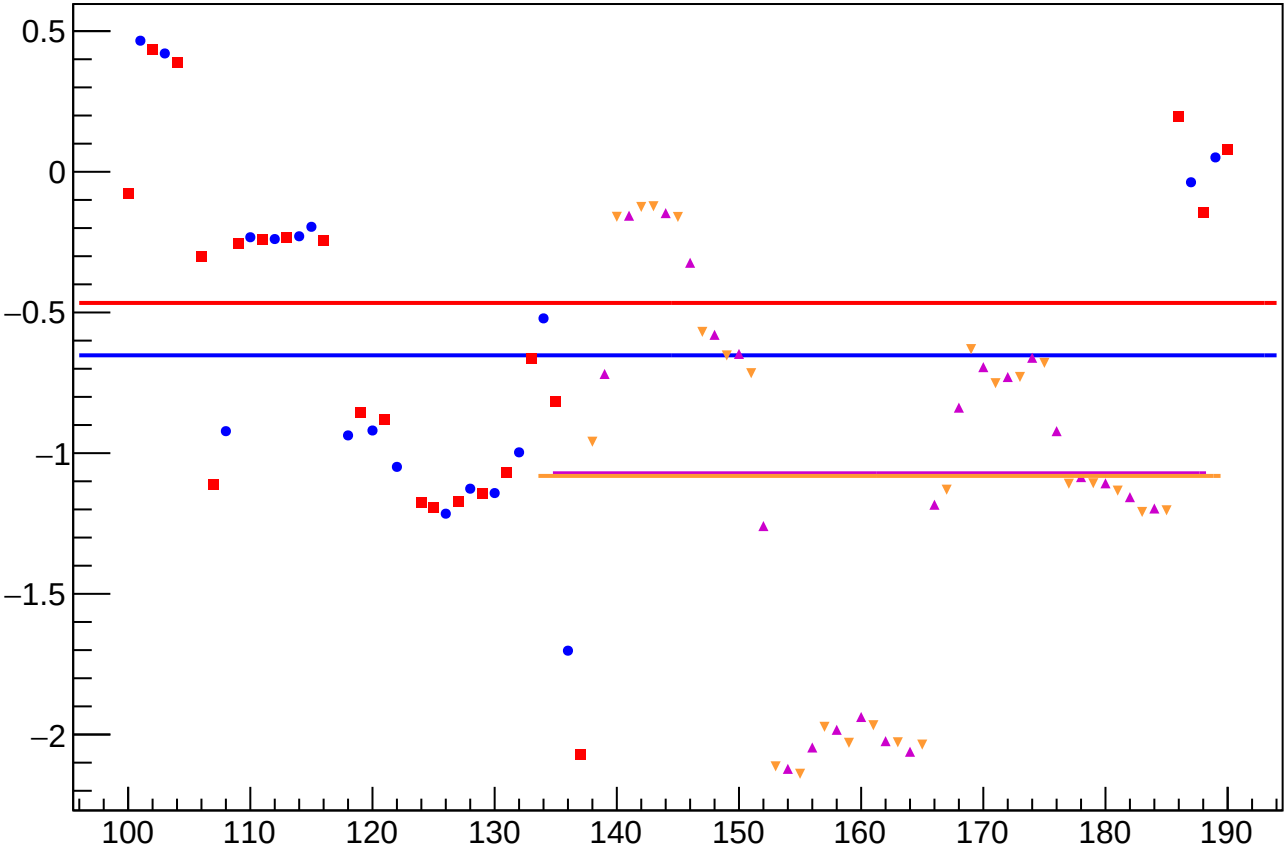
Right: 0.011+/-0.000 χ^2/NDF: 2684429.8/39

In: 0.007+/-0.000 χ^2/NDF:3981006.5/40

Out: 0.007+/-0.000 χ^2/NDF:4849432.5/46

All: 0.007+/-0.000 χ^2/NDF: 8847170.0/87

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.652+/-0.000 χ^2/NDF: 482460934.4/17

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.466+/-0.000 χ^2/NDF: 416901194.0/21

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

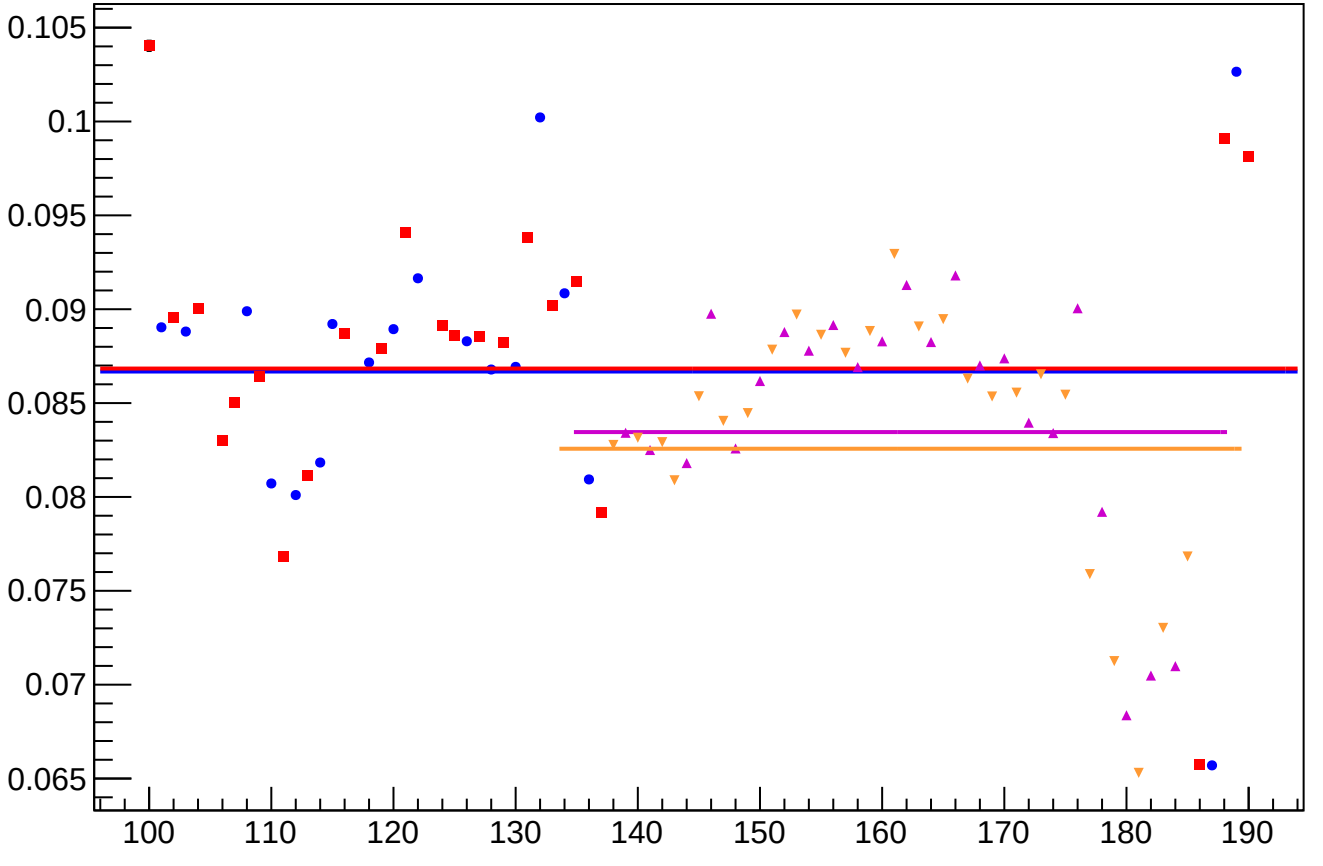
Right: -0.553+/-0.000 χ^2/NDF: 918753939.7/39

In: -0.951+/-0.000 χ^2/NDF:1589105918.9/40

Out: -0.896+/-0.000 χ^2/NDF:1887481437.4/46

All: -0.922+/-0.000 χ^2/NDF: 3482372810.6/8

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 107124.5/17

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 168693.4/21

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

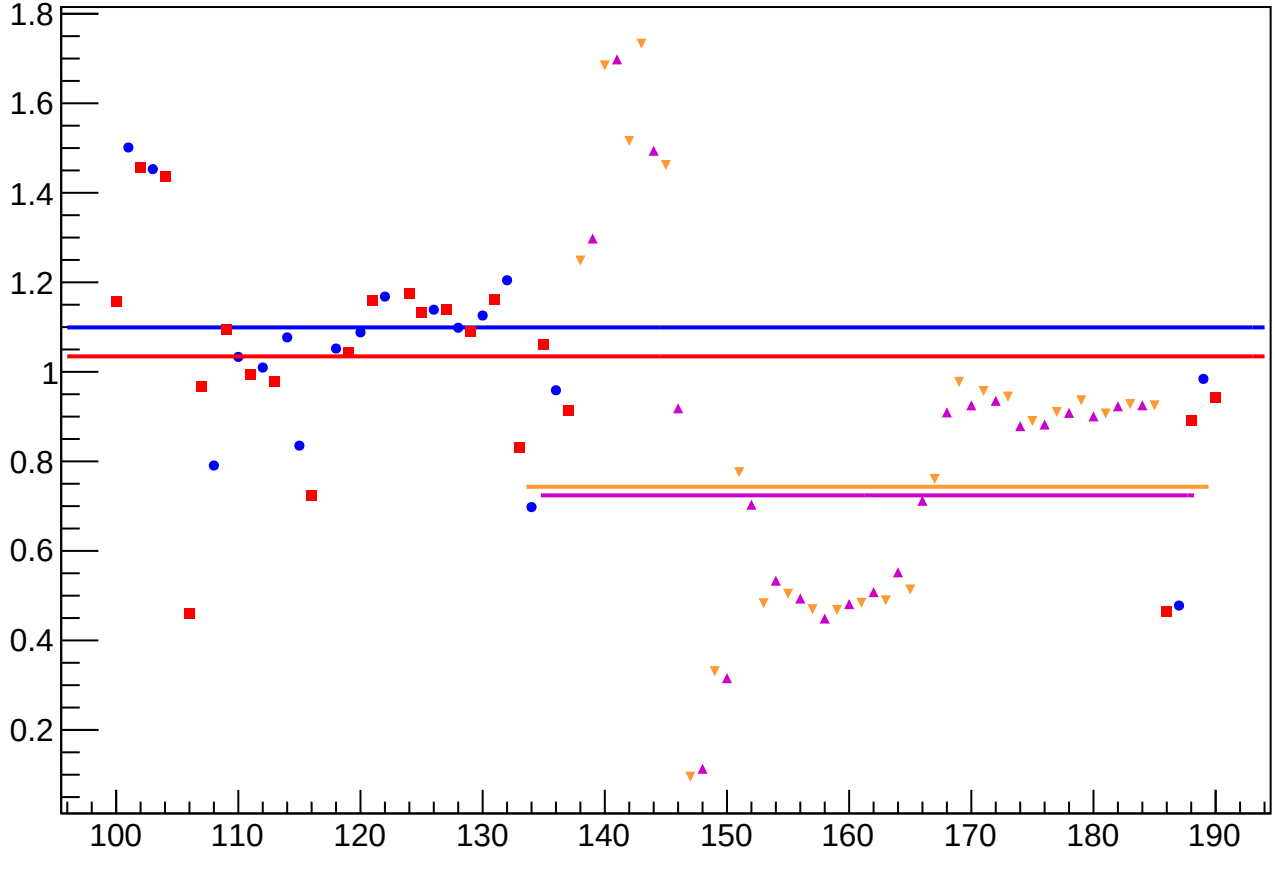
Right: 0.087+/-0.000 χ^2/NDF: 275845.7/39

In: 0.084+/-0.000 χ^2/NDF:361046.2/40

Out: 0.084+/-0.000 χ^2/NDF:490548.5/46

All: 0.084+/-0.000 χ^2/NDF: 852666.5/87

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.099+/-0.000 χ^2/NDF: 1820845294.9/17

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.035+/-0.000 χ^2/NDF: 2538852067.8/21

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

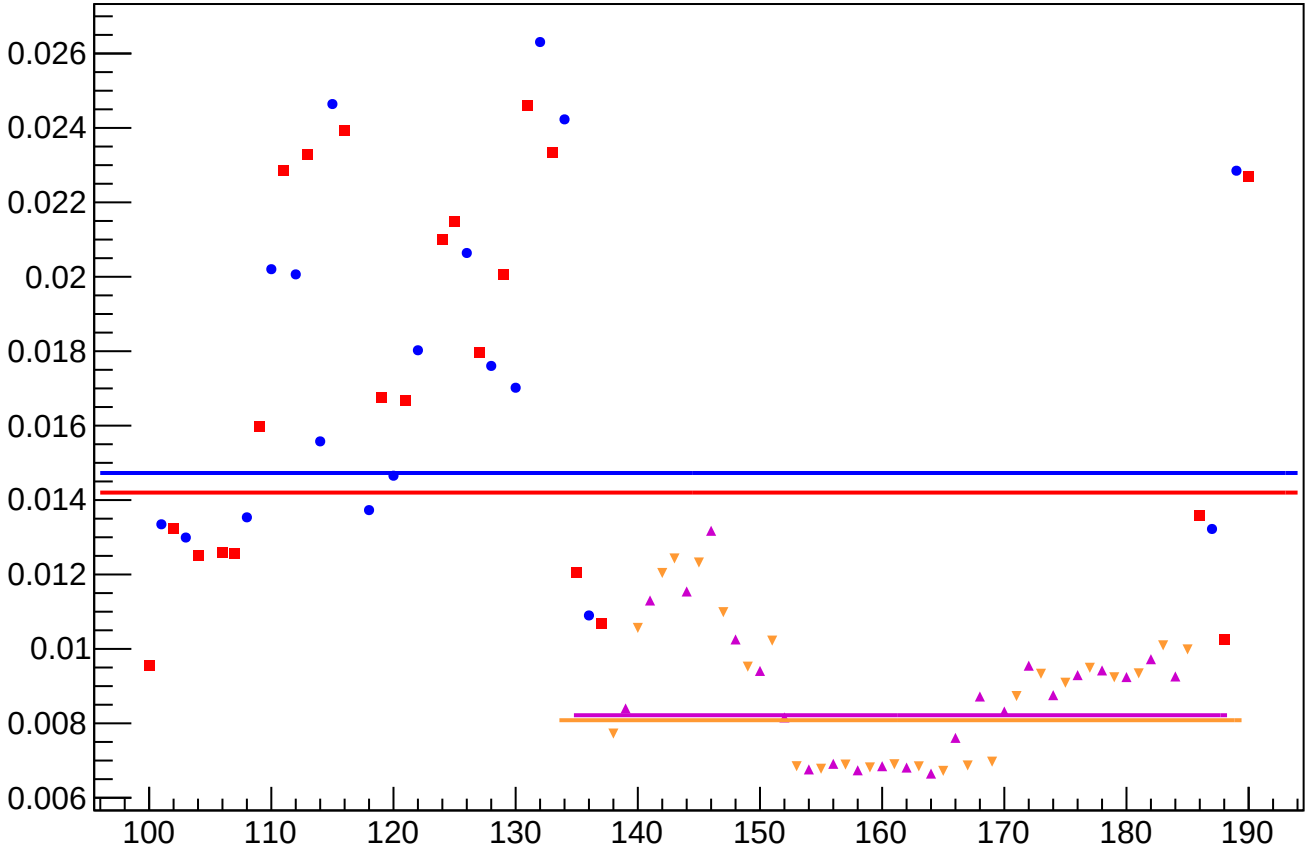
Right: 1.064+/-0.000 χ^2/NDF: 4429224277.4/39

In: 0.765+/-0.000 χ^2/NDF:31268427275.4/40

Out: 0.778+/-0.000 χ^2/NDF:37864318801.3/46

All: 0.772+/-0.000 χ^2/NDF: 69157363580.8/8

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 844156.7/17

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1236463.9/21

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

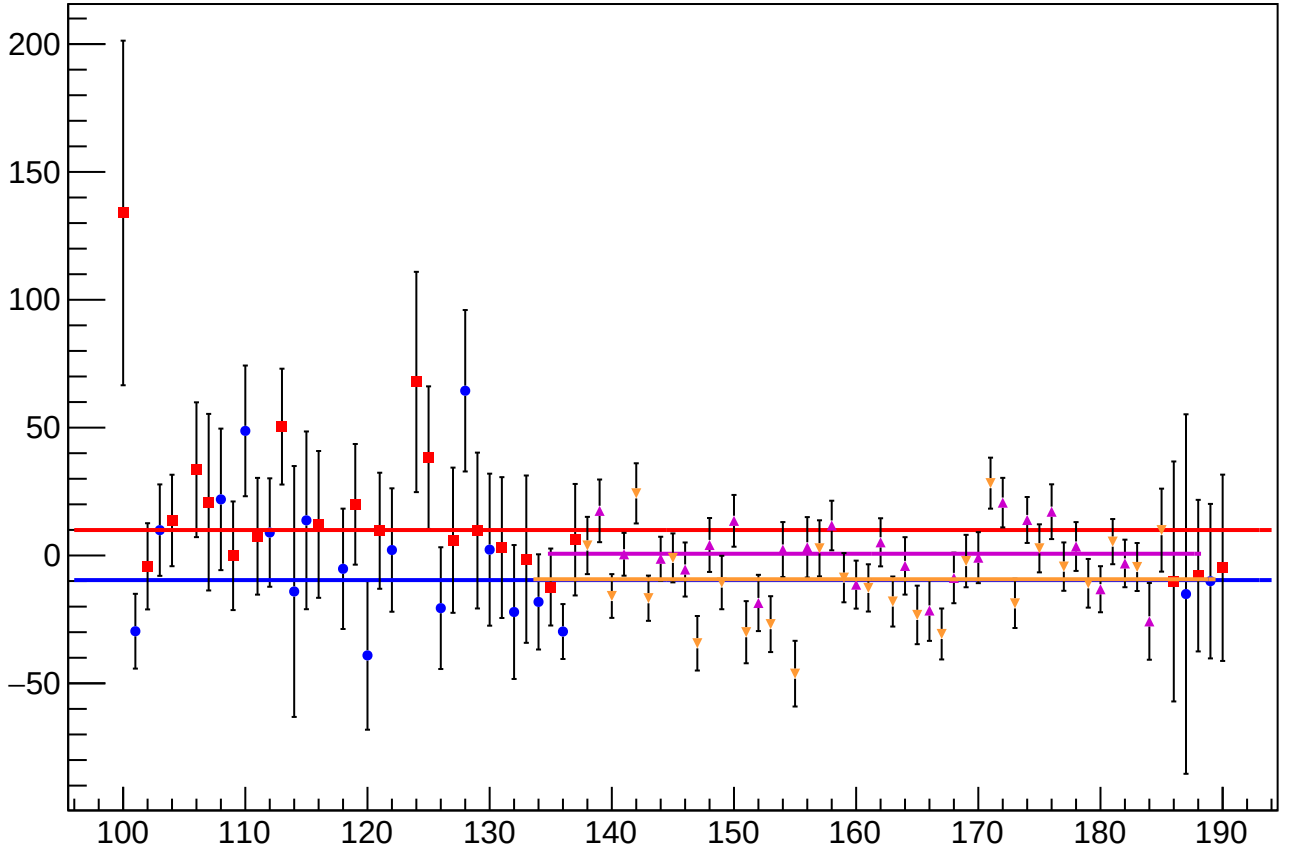
Right: 0.014+/-0.000 χ^2/NDF: 2089820.7/39

In: 0.009+/-0.000 χ^2/NDF:4255877.6/40

Out: 0.009+/-0.000 χ^2/NDF:5062278.6/46

All: 0.009+/-0.000 χ^2/NDF: 9321923.7/87

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.625+/-5.197 χ^2/NDF: 21.9/17

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 9.952+/-5.312 χ^2/NDF: 14.6/21

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

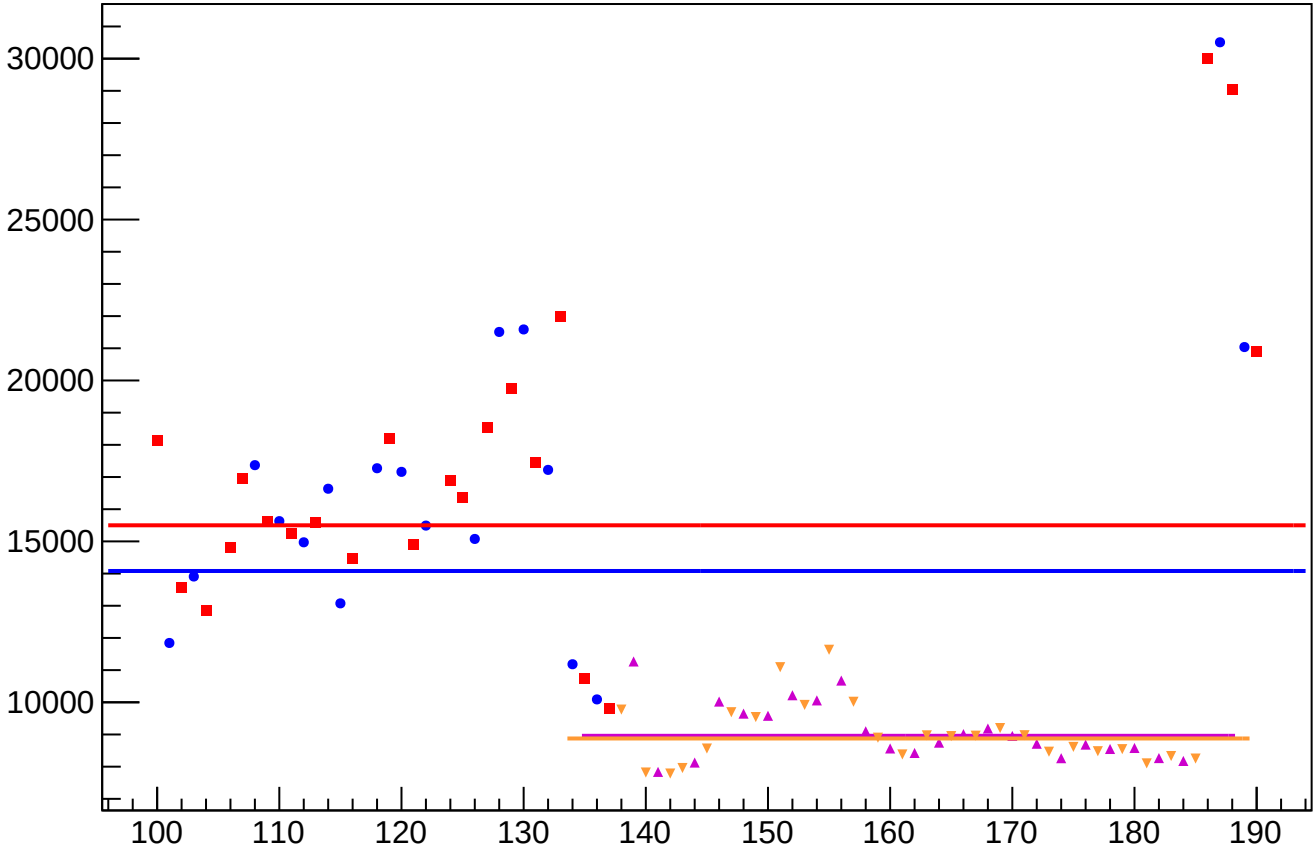
Right: -0.051+/-3.715 χ^2/NDF: 43.5/39

In: -0.775+/-1.950 χ^2/NDF:54.7/40

Out: -6.838+/-1.897 χ^2/NDF:87.2/46

All: -3.891+/-1.360 χ^2/NDF: 146.9/87

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14080.293+/-3.675 χ^2/NDF: 969594.5/17

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 15499.862+/-3.756 χ^2/NDF: 1250517.4/21

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

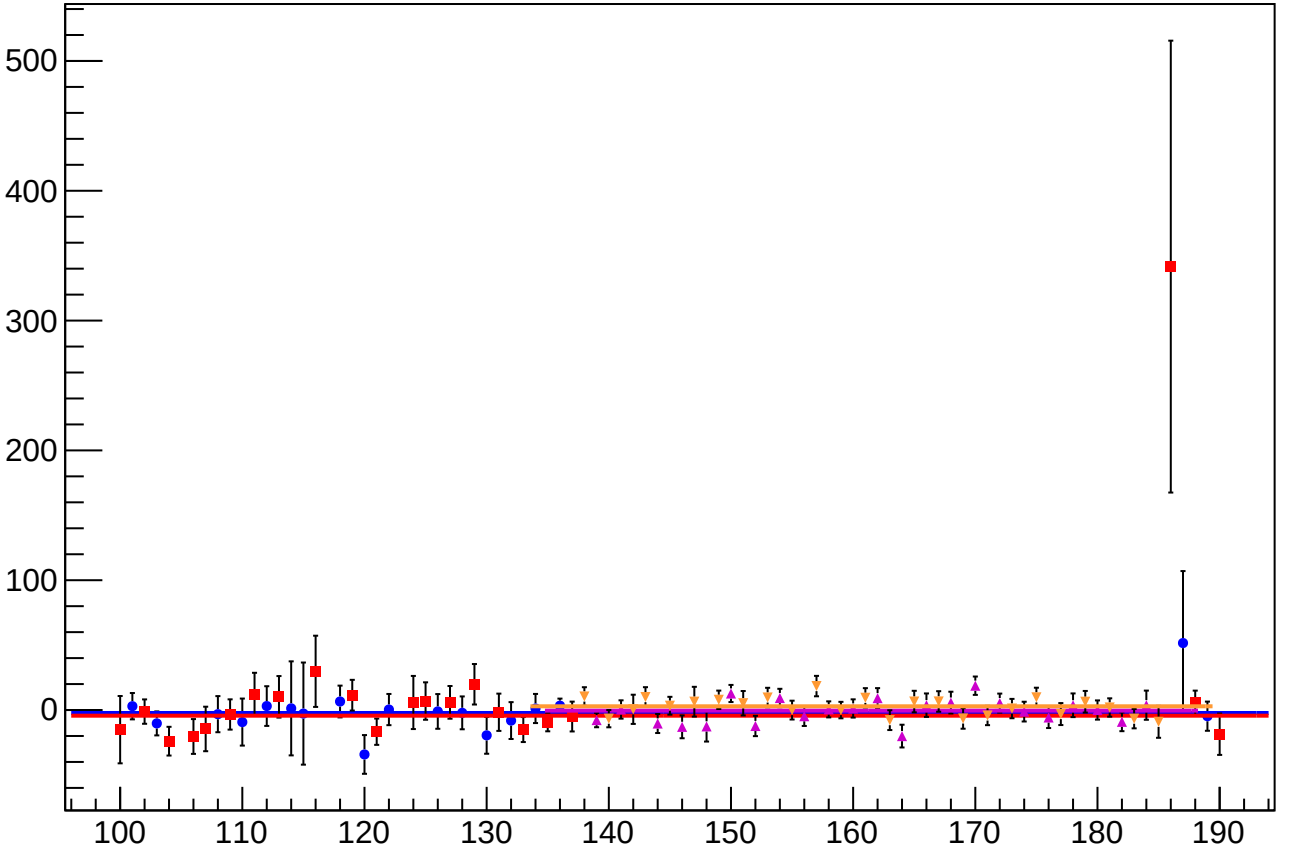
Right: 14774.546+/-2.627 χ^2/NDF: 2293087.5/39

In: 9679.978+/-1.379 χ^2/NDF:2940082.8/40

Out: 9720.150+/-1.341 χ^2/NDF:4311018.6/46

All: 9700.624+/-0.962 χ^2/NDF: 7251537.4/87

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.284+/-2.824 χ^2/NDF: 10.3/17

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -4.362+/-2.676 χ^2/NDF: 23.5/21

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

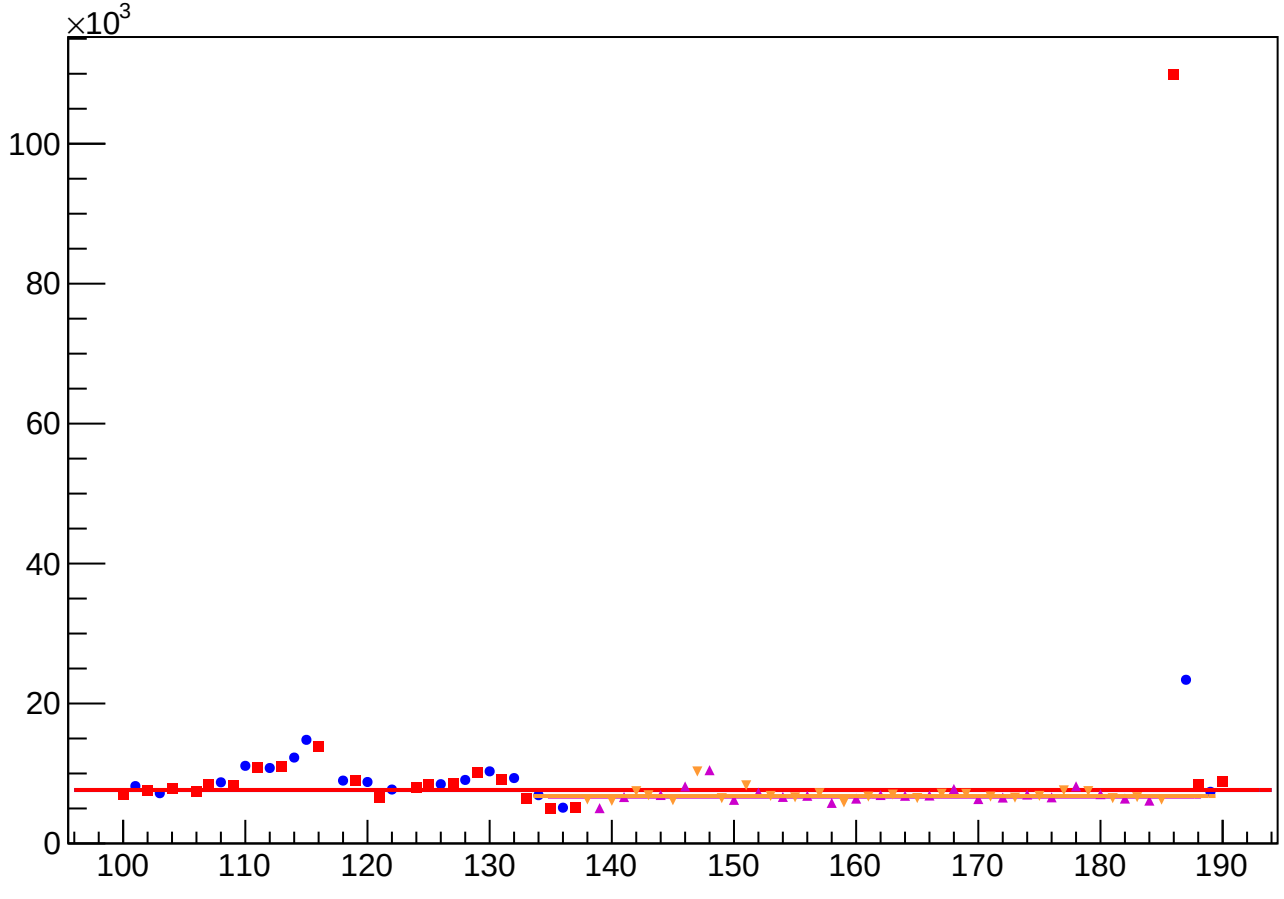
Right: -3.379+/-1.943 χ^2/NDF: 34.0/39

In: -0.892+/-1.380 χ^2/NDF:43.4/40

Out: 1.053+/-1.344 χ^2/NDF:48.4/46

All: 0.106+/-0.963 χ^2/NDF: 92.9/87

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7632.503+/-1.997 χ^2/NDF: 1054264.5/17

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 7644.493+/-1.892 χ^2/NDF: 1546768.6/21

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

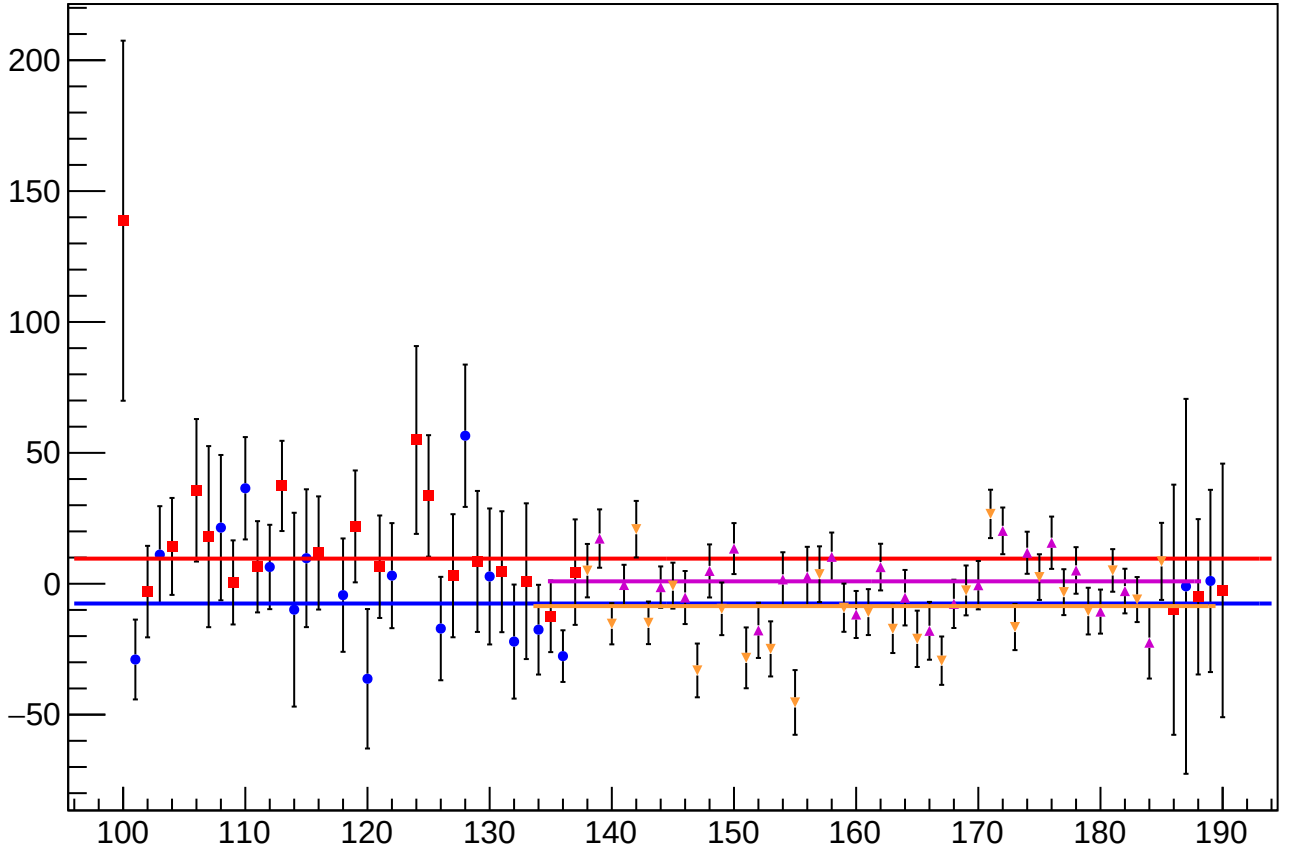
Right: 7638.821+/-1.374 χ^2/NDF: 2601052.1/39

In: 6914.616+/-0.976 χ^2/NDF:1844257.3/40

Out: 6995.511+/-0.950 χ^2/NDF:2104208.6/46

All: 6956.138+/-0.681 χ^2/NDF: 3951994.1/87

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.552+/-4.694 χ^2/NDF: 22.8/17

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 9.598+/-4.730 χ^2/NDF: 14.4/21

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

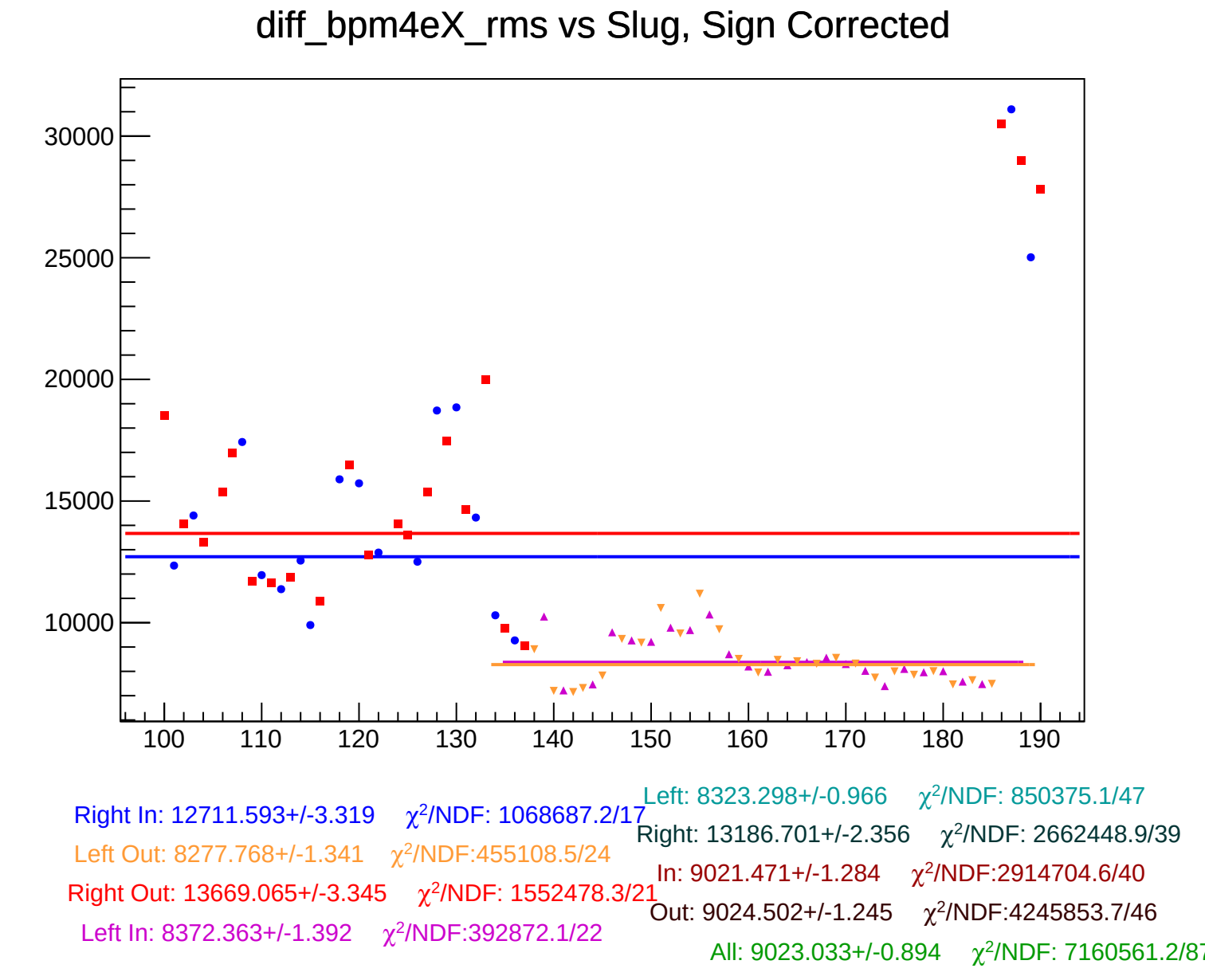
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.958+/-3.332 χ^2/NDF: 43.8/39

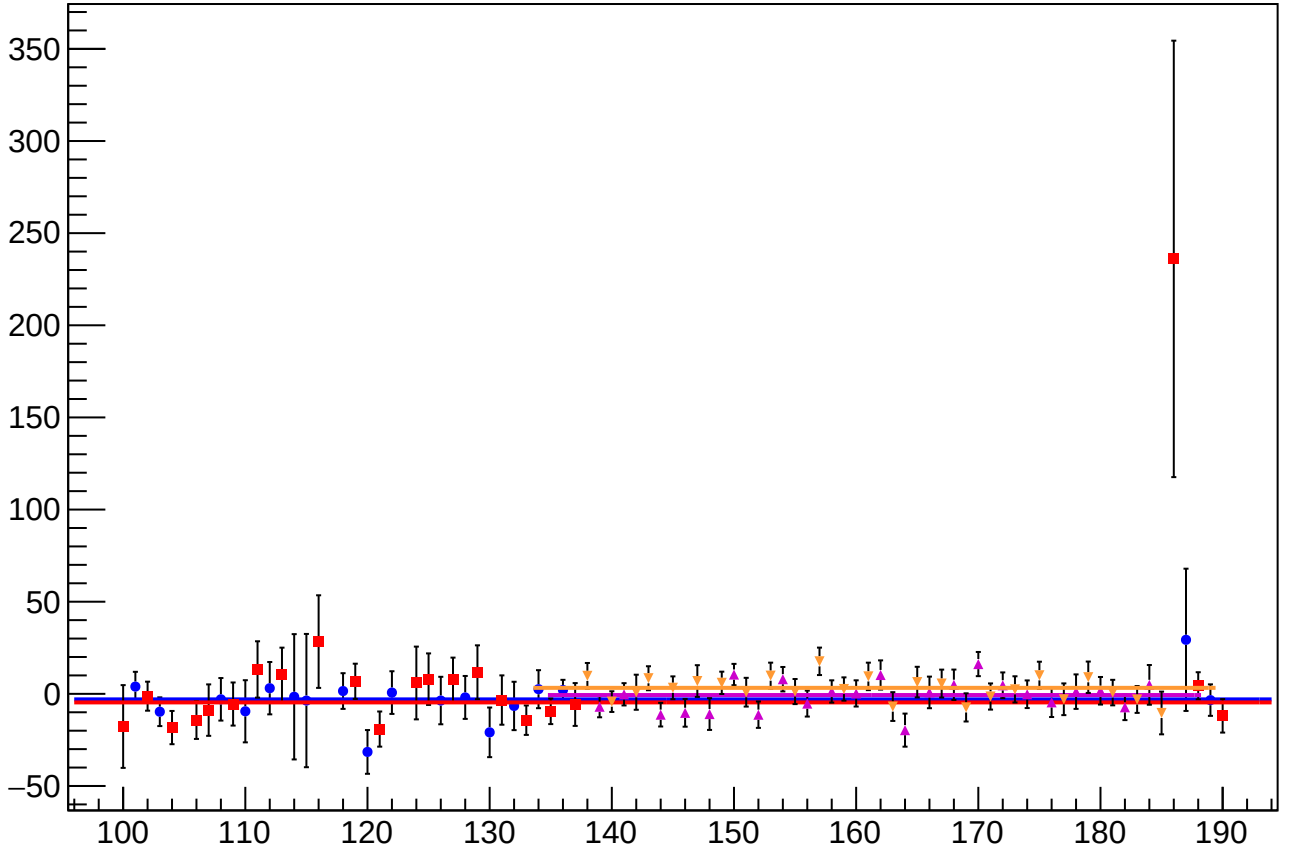
In: -0.348+/-1.816 χ^2/NDF:54.6/40

Out: -6.025+/-1.760 χ^2/NDF:89.0/46

All: -3.274+/-1.264 χ^2/NDF: 148.6/87


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 12711.593+/-3.319 χ²/NDF: 1068687.2/17
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 13669.065+/-3.345 χ²/NDF: 1552478.3/21
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 13186.701+/-2.356 χ²/NDF: 2662448.9/39
In: 9021.471+/-1.284 χ²/NDF:2914704.6/40
Out: 9024.502+/-1.245 χ²/NDF:4245853.7/46
All: 9023.033+/-0.894 χ²/NDF: 7160561.2/87

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.008+/-2.531 χ^2/NDF: 11.6/17

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -4.647+/-2.331 χ^2/NDF: 23.2/21

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

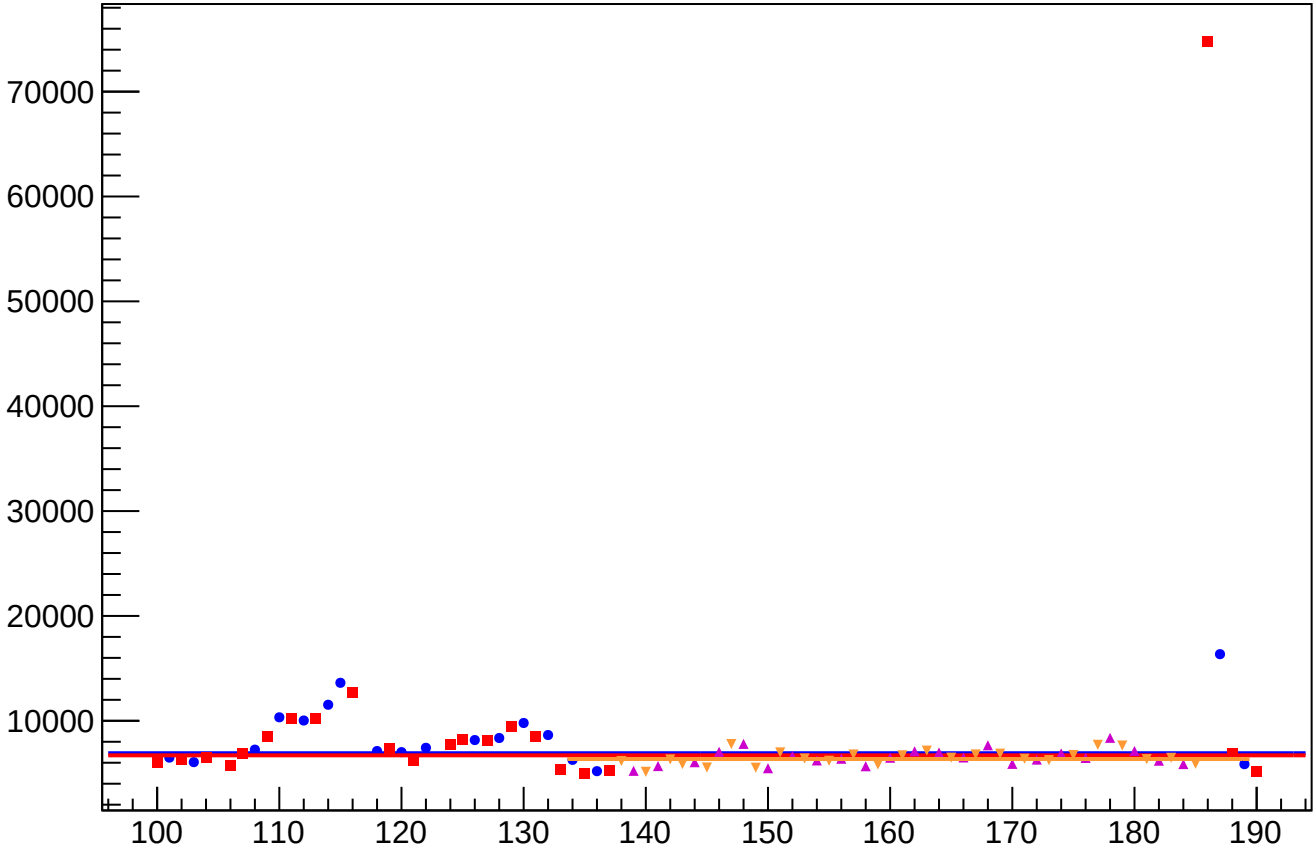
Right: -3.895+/-1.715 χ^2/NDF: 35.1/39

In: -1.259+/-1.290 χ^2/NDF:43.0/40

Out: 1.035+/-1.236 χ^2/NDF:49.1/46

All: -0.063+/-0.892 χ^2/NDF: 93.8/87

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6905.800+/-1.789 χ^2/NDF: 846869.1/17

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6707.271+/-1.648 χ^2/NDF: 1517597.9/21

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

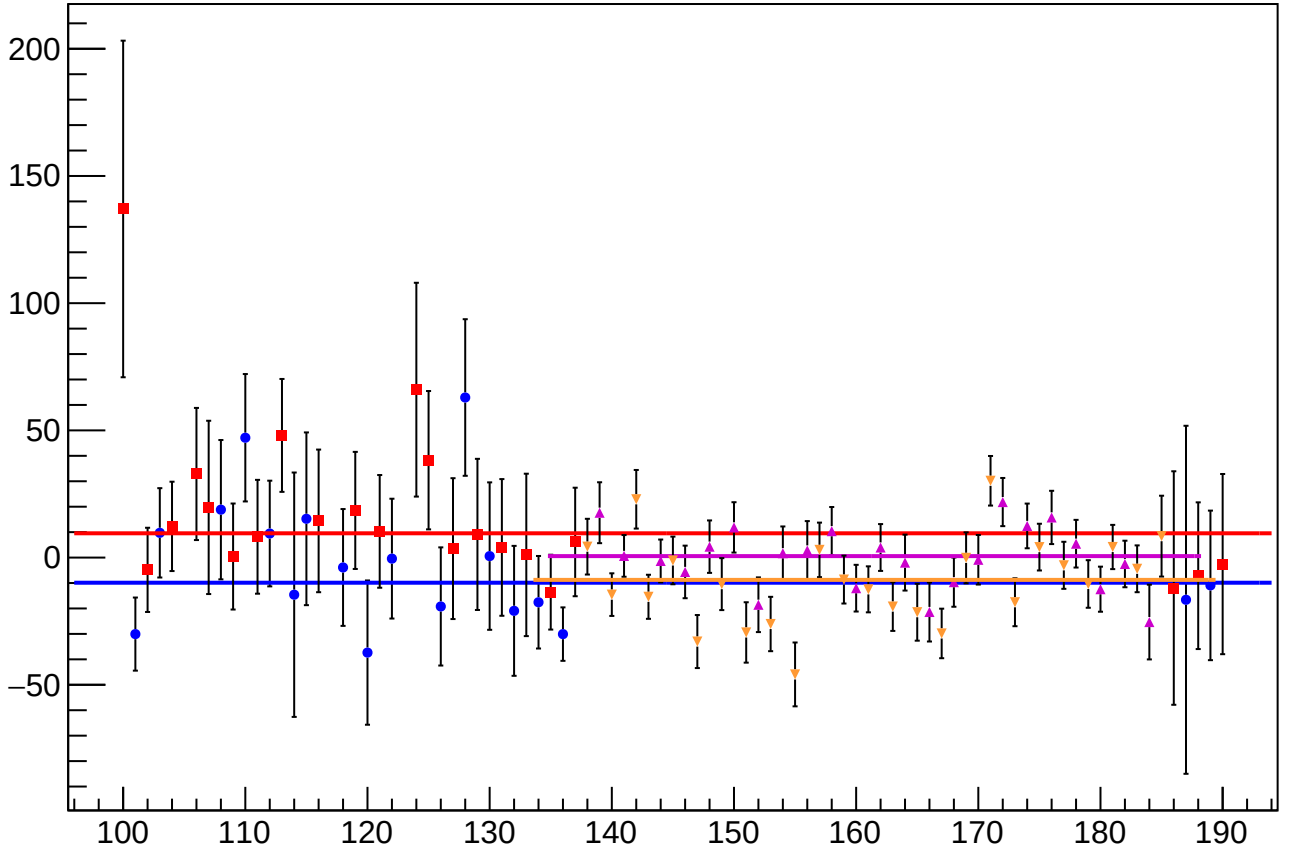
Right: 6798.406+/-1.212 χ^2/NDF: 2371125.3/39

In: 6501.726+/-0.912 χ^2/NDF:1389630.0/40

Out: 6455.842+/-0.874 χ^2/NDF:1964071.0/46

All: 6477.799+/-0.631 χ^2/NDF: 3355020.7/87

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.881+/-5.085 χ^2/NDF: 22.1/17

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 9.547+/-5.198 χ^2/NDF: 15.0/21

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

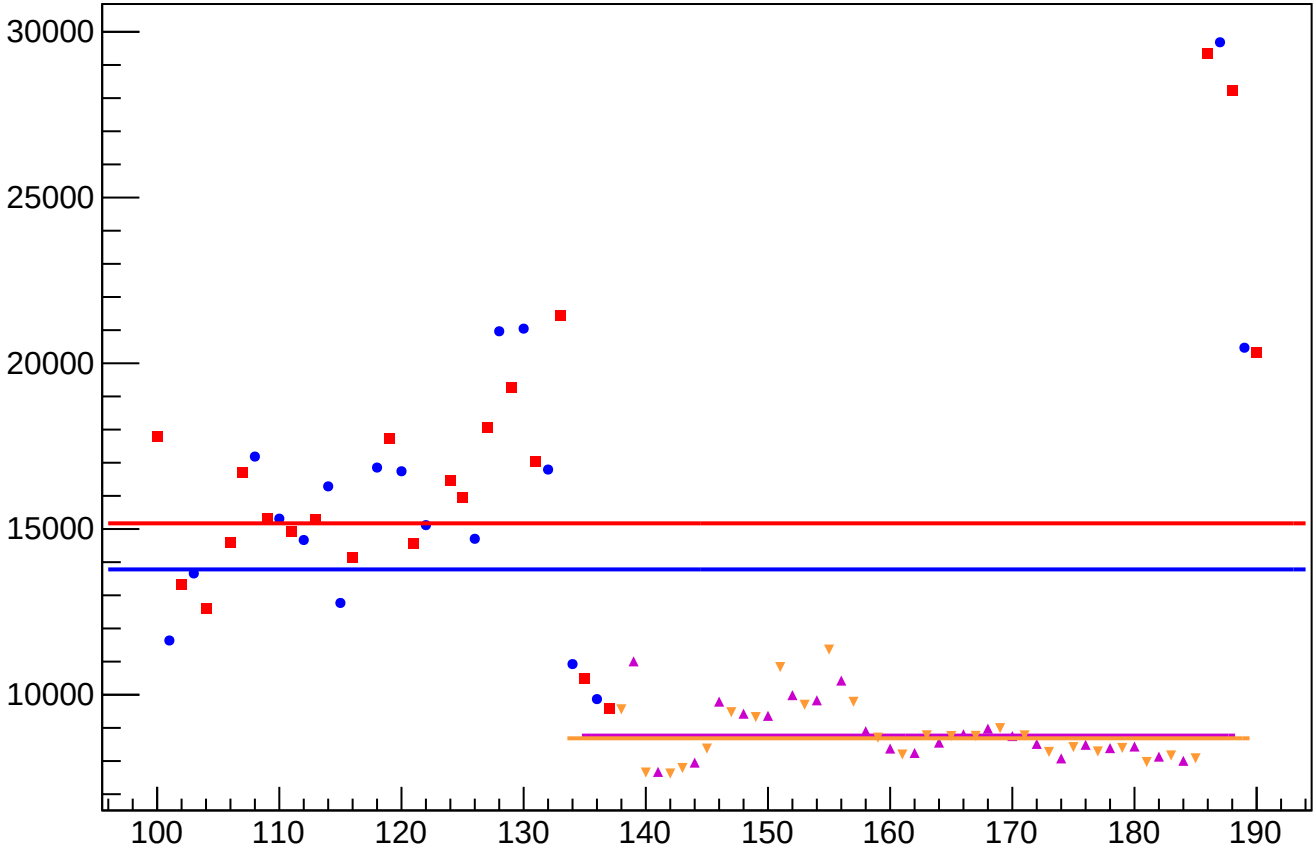
Right: -0.379+/-3.635 χ^2/NDF: 44.2/39

In: -0.894+/-1.909 χ^2/NDF:55.3/40

Out: -6.431+/-1.856 χ^2/NDF:88.6/46

All: -3.740+/-1.331 χ^2/NDF: 148.2/87

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13781.574+/-3.596 χ^2/NDF: 962022.9/17

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15171.565+/-3.675 χ^2/NDF: 1237326.9/21

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

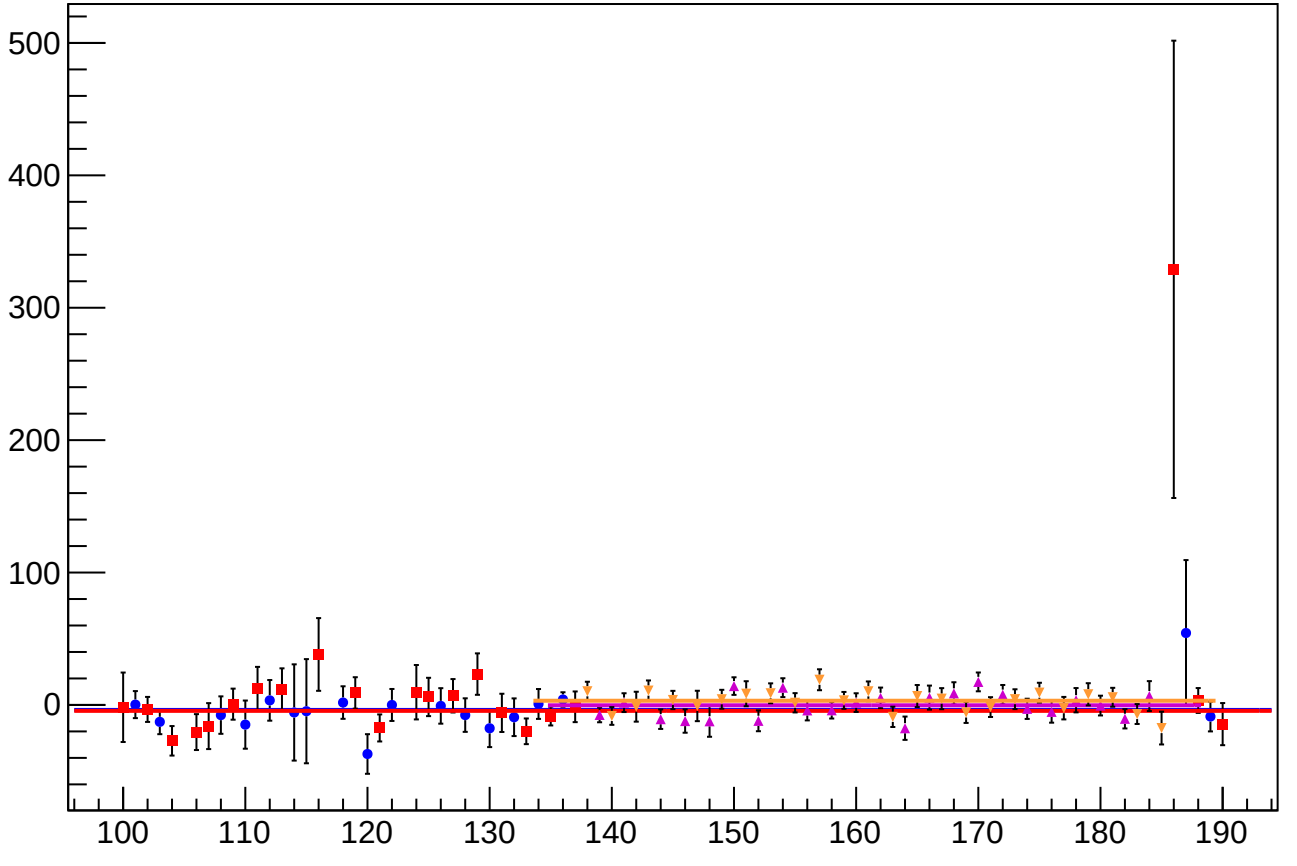
Right: 14461.407+/-2.570 χ^2/NDF: 2272428.4/39

In: 9473.935+/-1.350 χ^2/NDF:2927852.1/40

Out: 9513.009+/-1.312 χ^2/NDF:4294882.4/46

All: 9494.018+/-0.941 χ^2/NDF: 7223165.3/87

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.780+/-2.840 χ^2/NDF: 11.8/17

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.472+/-2.692 χ^2/NDF: 26.2/21

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

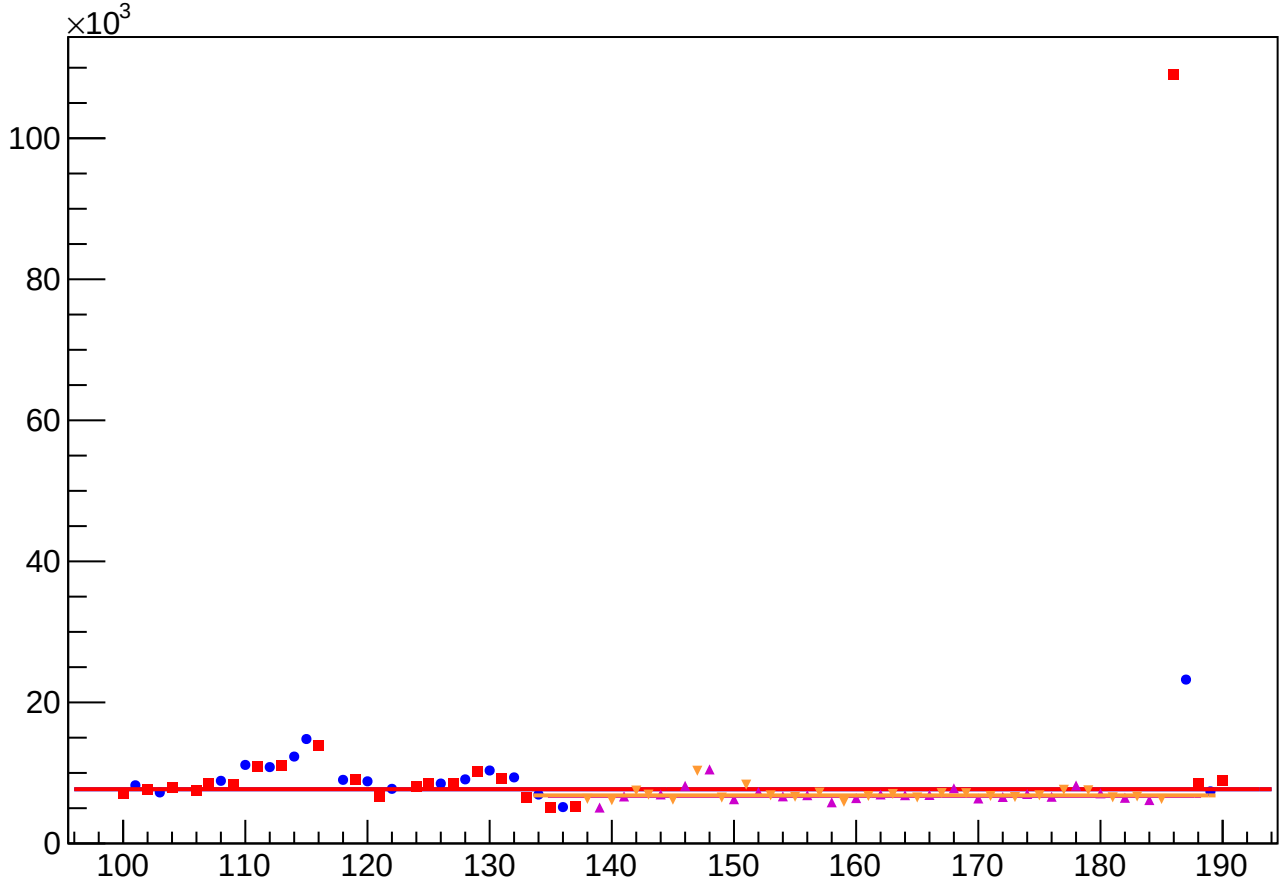
Right: -4.144+/-1.954 χ^2/NDF: 38.1/39

In: -1.107+/-1.388 χ^2/NDF:47.2/40

Out: 1.246+/-1.351 χ^2/NDF:53.9/46

All: 0.101+/-0.968 χ^2/NDF: 102.6/87

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7680.132+/-2.009 χ^2/NDF: 1040808.5/17

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 7696.137+/-1.904 χ^2/NDF: 1528213.0/21

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

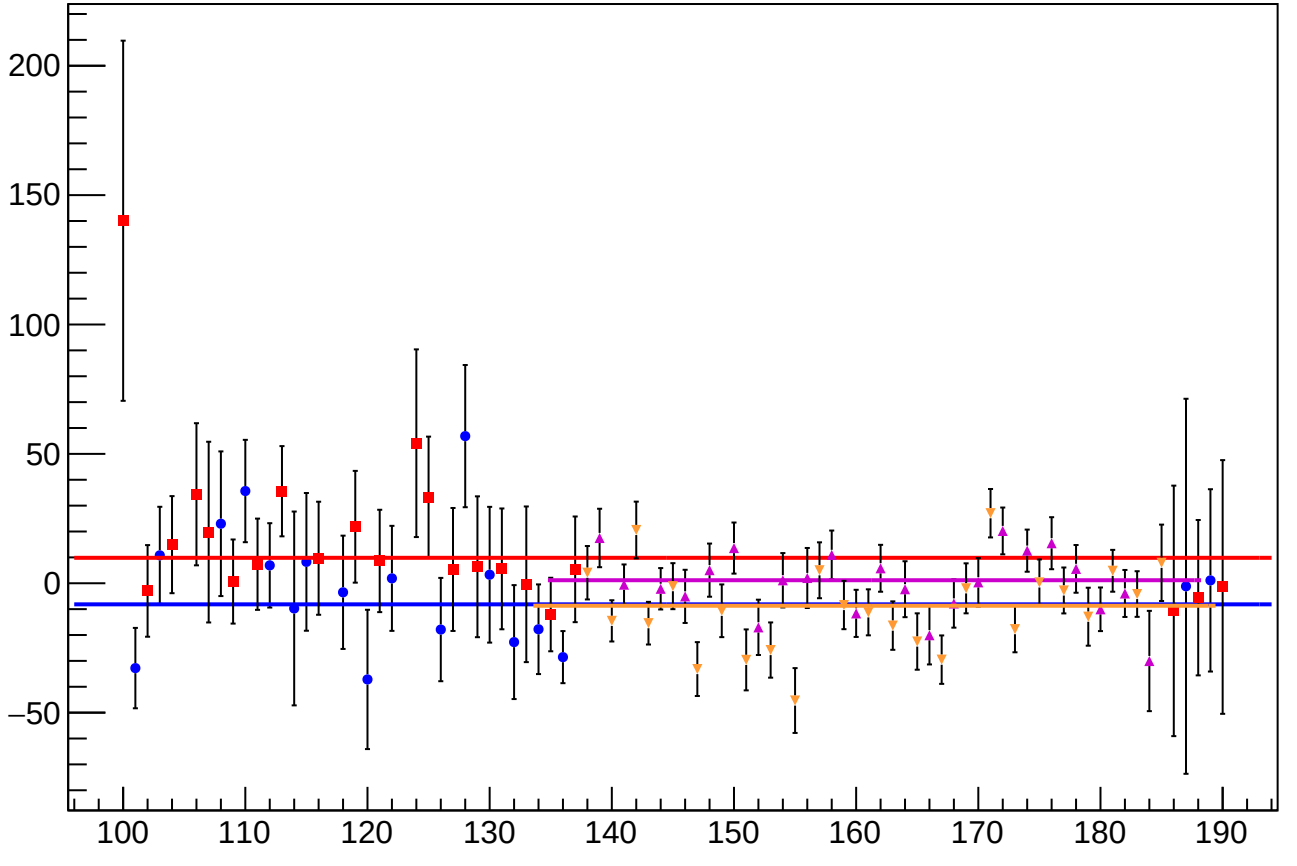
Right: 7688.564+/-1.382 χ^2/NDF: 2569054.9/39

In: 6955.098+/-0.981 χ^2/NDF:1821992.4/40

Out: 7035.369+/-0.955 χ^2/NDF:2083880.0/46

All: 6996.306+/-0.684 χ^2/NDF: 3909308.5/87

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.148+/-4.759 χ^2/NDF: 23.3/17

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 9.837+/-4.799 χ^2/NDF: 13.4/21

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

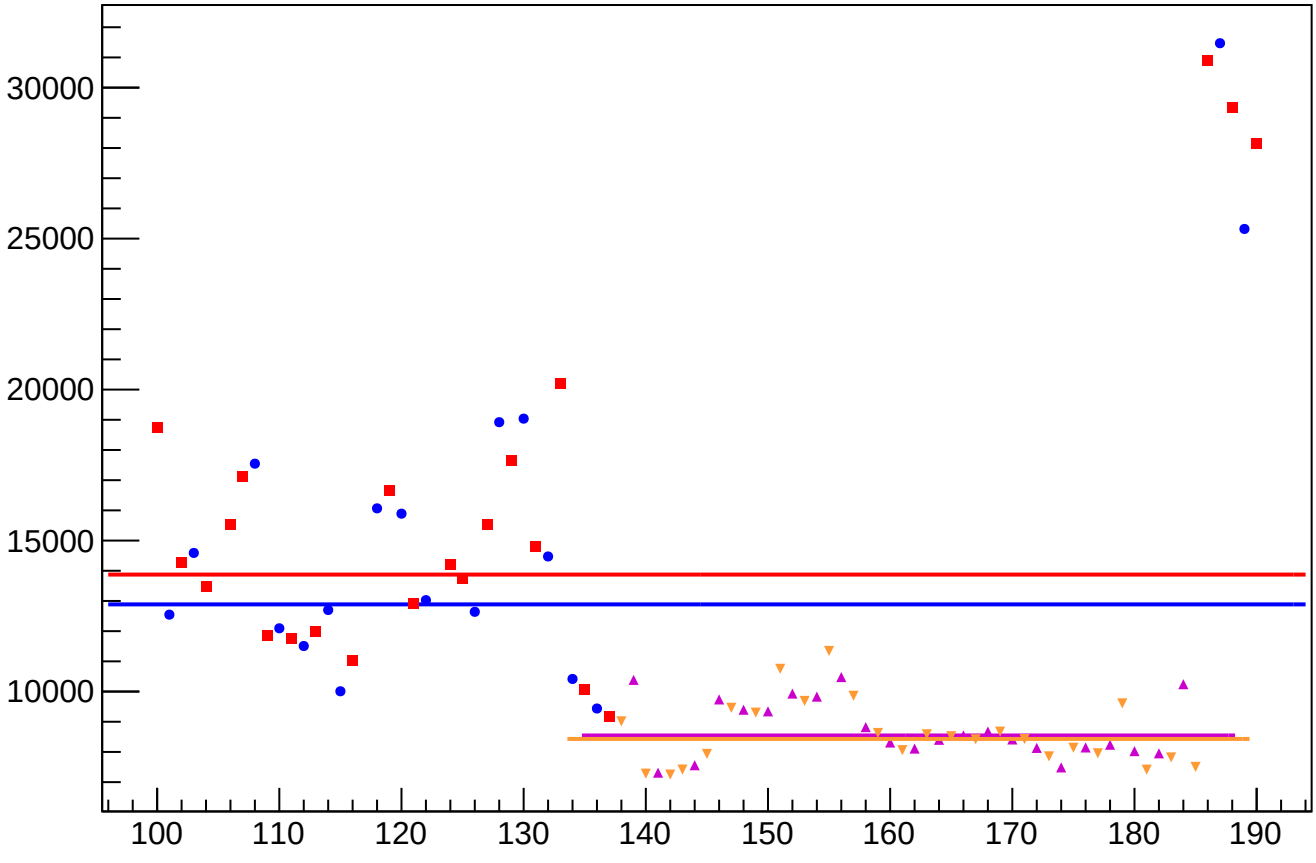
Right: 0.769+/-3.379 χ^2/NDF: 43.8/39

In: -0.240+/-1.853 χ^2/NDF:55.1/40

Out: -6.099+/-1.796 χ^2/NDF:87.7/46

All: -3.262+/-1.290 χ^2/NDF: 147.9/87

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12886.742+/-3.365 χ^2/NDF: 1054208.6/17

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13873.667+/-3.394 χ^2/NDF: 1527422.4/21

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

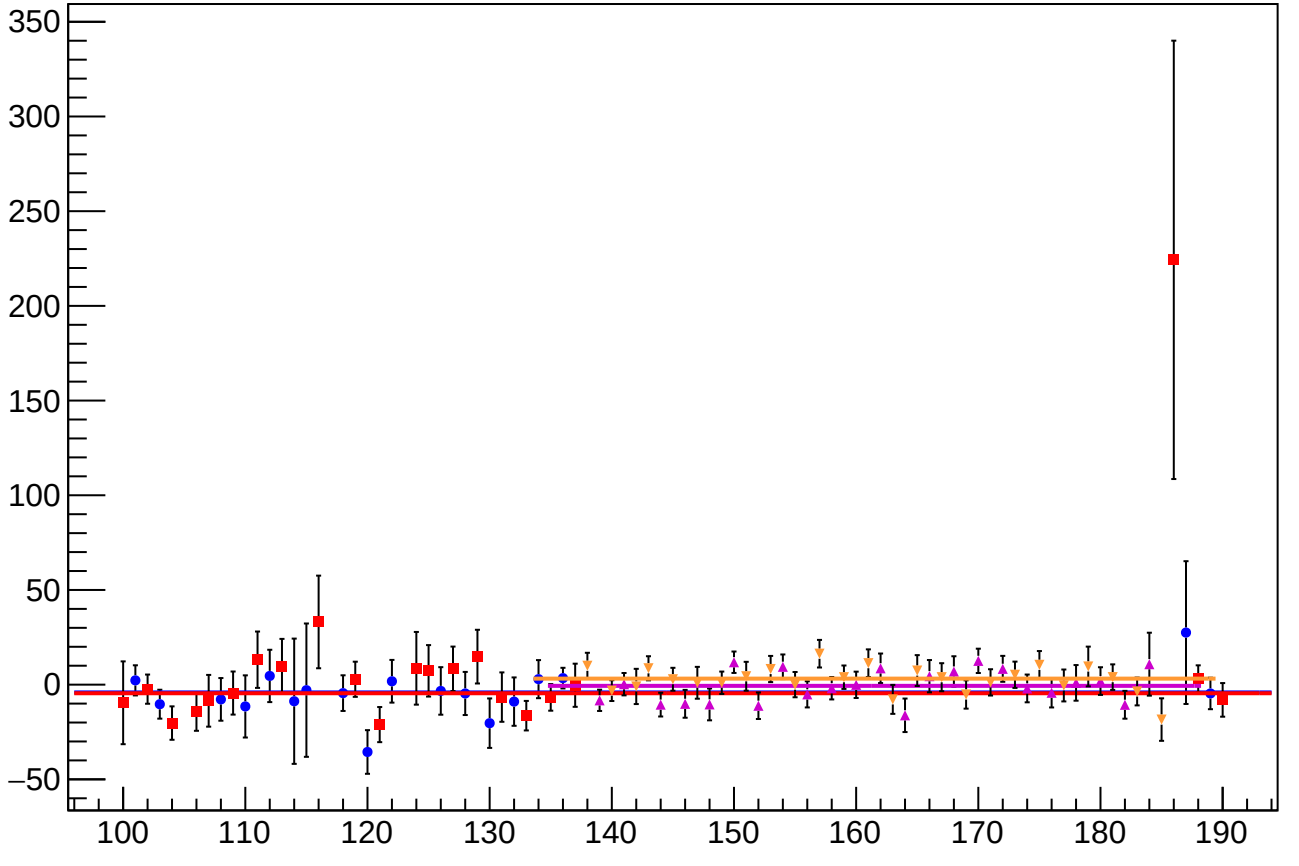
Right: 13376.066+/-2.390 χ^2/NDF: 2624274.9/39

In: 9204.000+/-1.311 χ^2/NDF:2855703.1/40

Out: 9192.566+/-1.270 χ^2/NDF:4224534.4/46

All: 9198.101+/-0.912 χ^2/NDF: 7080276.8/87

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.107+/-2.476 χ^2/NDF: 14.6/17

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -4.539+/-2.283 χ^2/NDF: 25.0/21

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

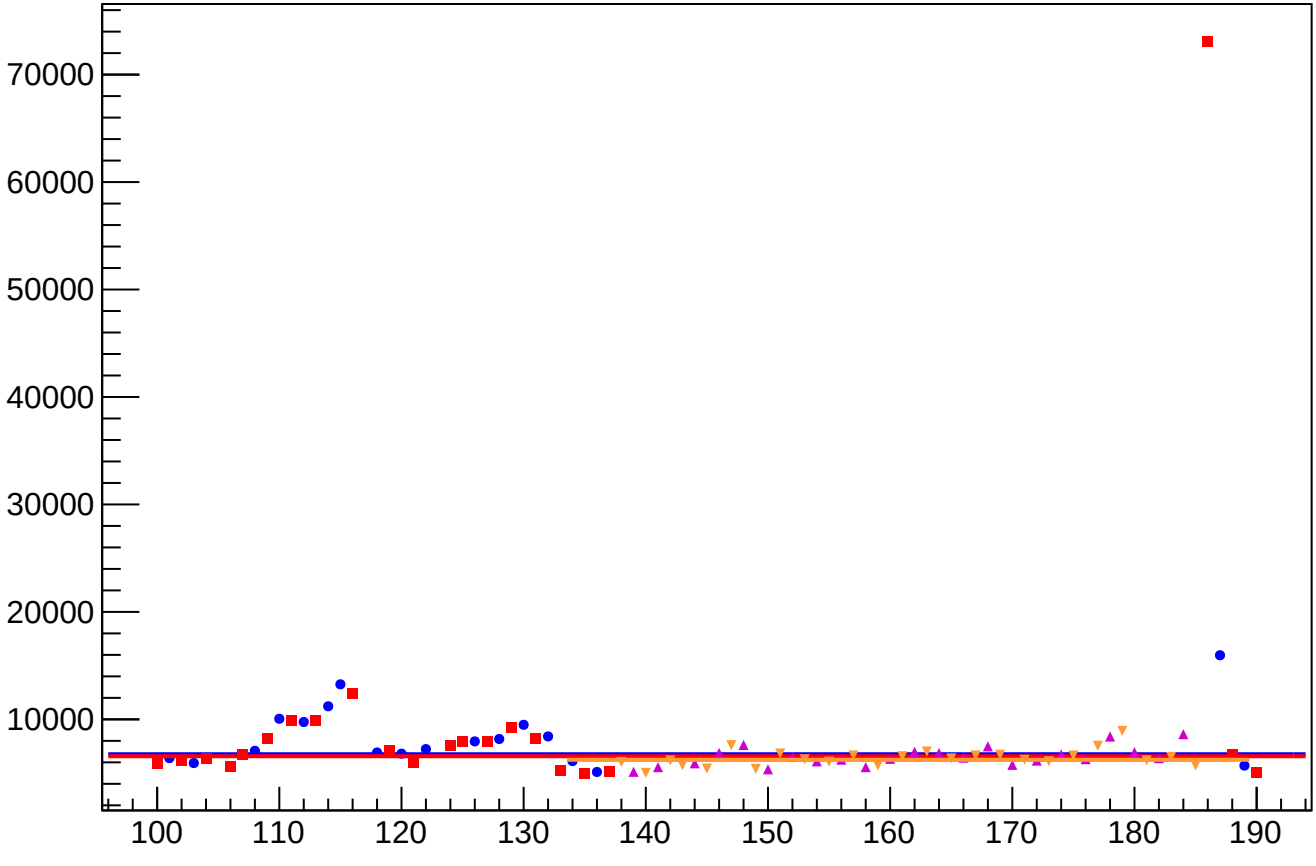
Right: -4.340+/-1.678 χ^2/NDF: 39.6/39

In: -1.549+/-1.272 χ^2/NDF:47.8/40

Out: 0.997+/-1.215 χ^2/NDF:51.9/46

All: -0.218+/-0.878 χ^2/NDF: 101.8/87

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6754.677+/-1.751 χ^2/NDF: 826967.0/17

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6566.235+/-1.614 χ^2/NDF: 1483358.3/21

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

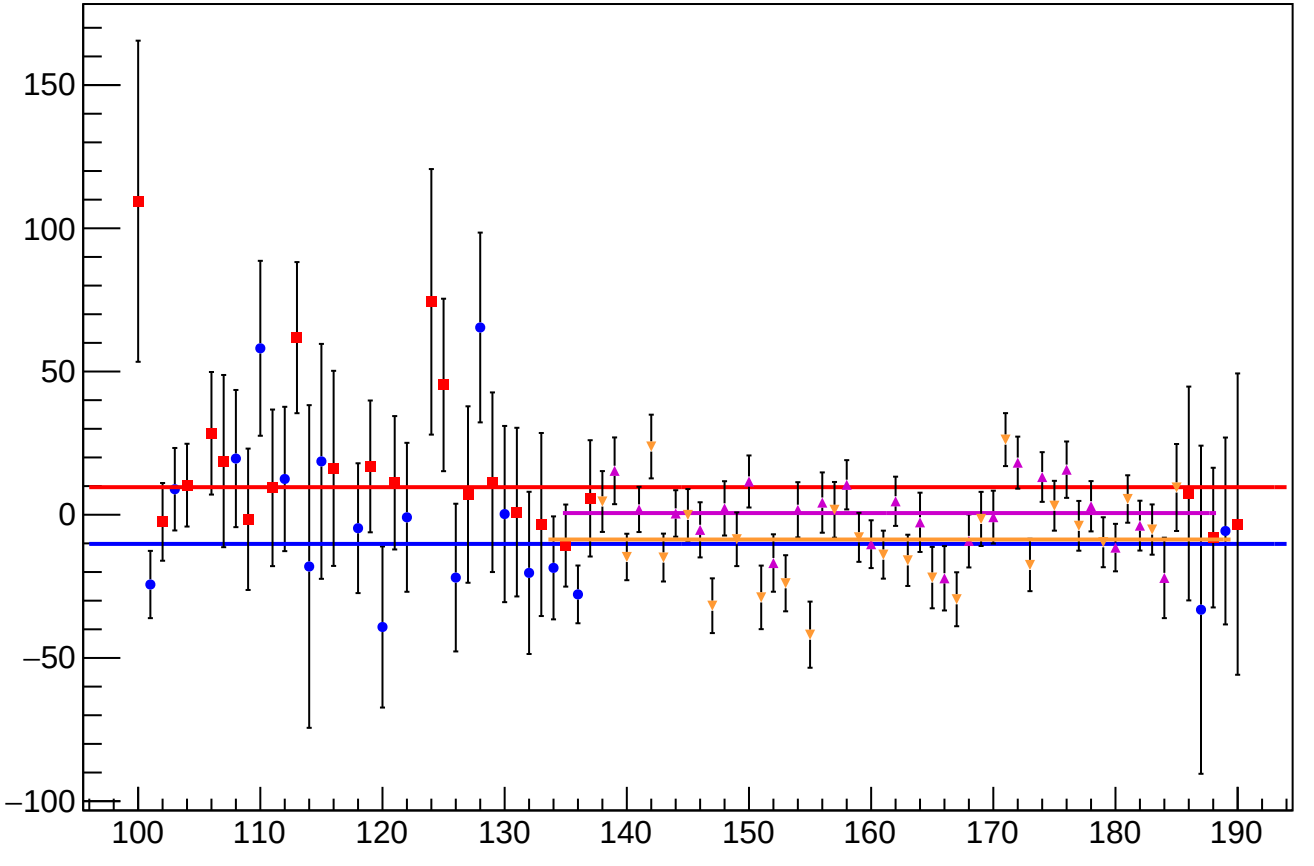
Right: 6652.793+/-1.187 χ^2/NDF: 2316586.8/39

In: 6396.498+/-0.899 χ^2/NDF:1408113.5/40

Out: 6330.913+/-0.859 χ^2/NDF:2020742.4/46

All: 6362.209+/-0.621 χ^2/NDF: 3431637.9/87

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.182+/-4.940 χ^2/NDF: 21.4/17

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 9.625+/-5.085 χ^2/NDF: 15.4/21

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

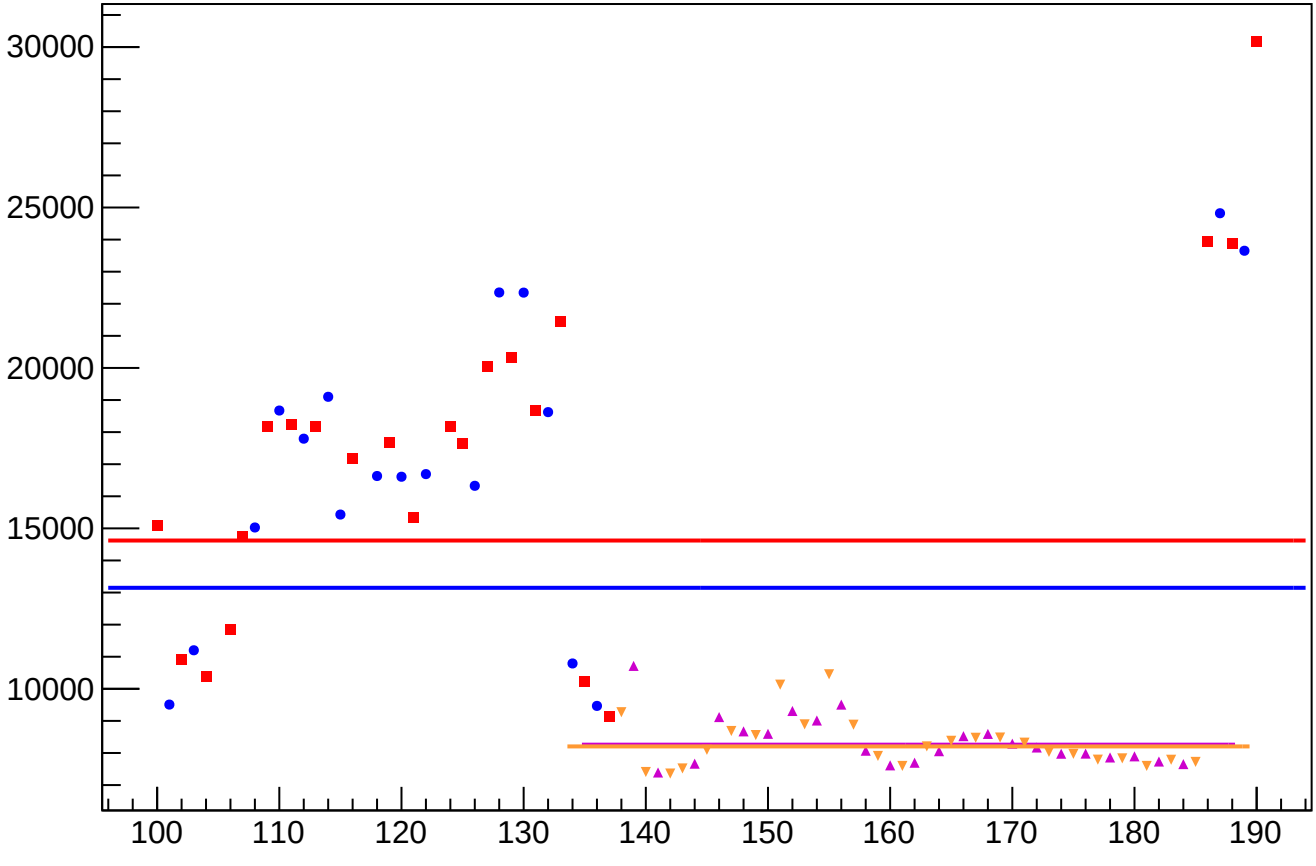
Right: -0.564+/-3.543 χ^2/NDF: 44.6/39

In: -0.854+/-1.805 χ^2/NDF:54.1/40

Out: -6.463+/-1.759 χ^2/NDF:89.8/46

All: -3.730+/-1.260 χ^2/NDF: 148.8/87

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13147.952+/-3.493 χ^2/NDF: 1547729.6/17

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14621.562+/-3.595 χ^2/NDF: 1726939.4/21

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

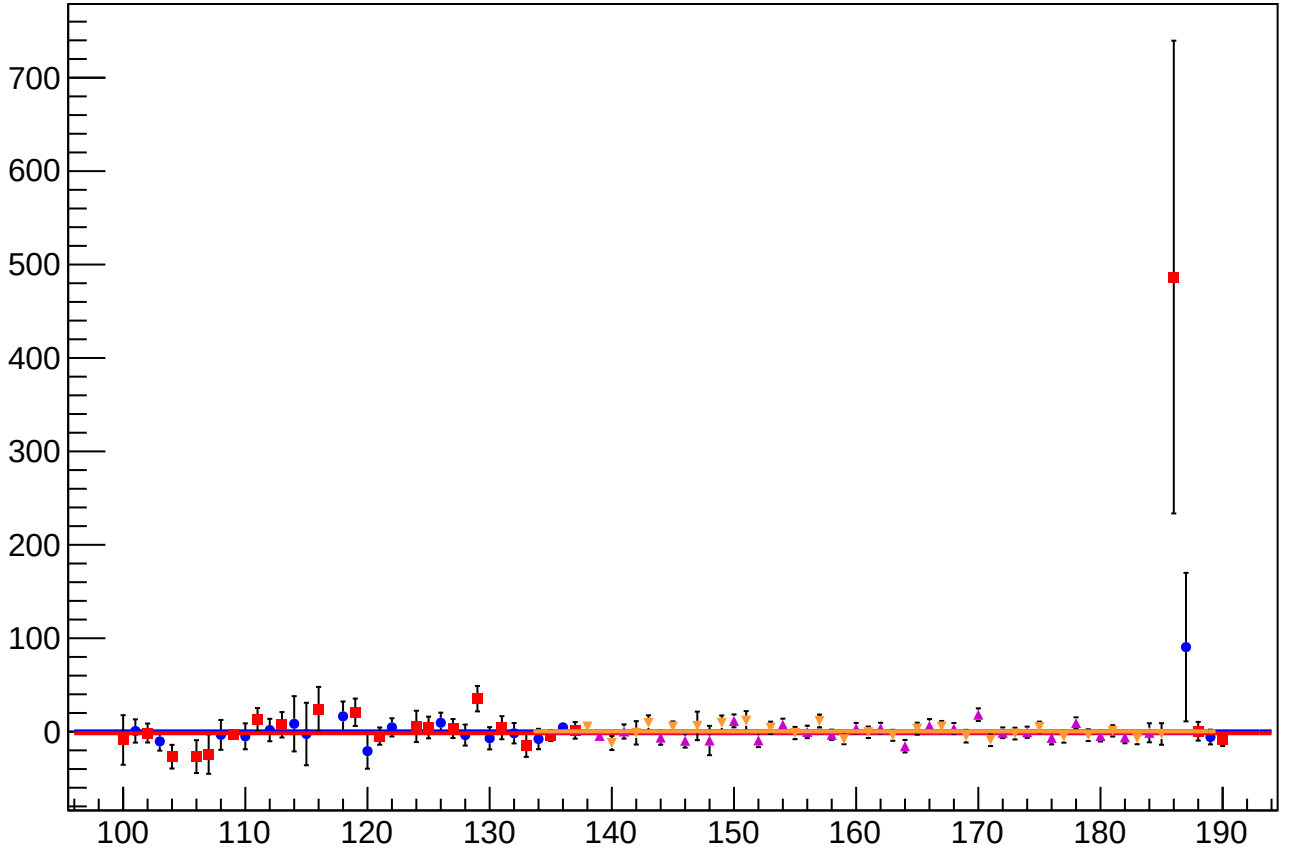
Right: 13863.544+/-2.506 χ^2/NDF: 3361075.1/39

In: 8911.593+/-1.276 χ^2/NDF:3502098.0/40

Out: 8972.667+/-1.244 χ^2/NDF:4803923.4/46

All: 8942.910+/-0.891 χ^2/NDF: 8307195.8/87

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.332+/-2.439 χ^2/NDF: 8.7/17

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -1.702+/-2.135 χ^2/NDF: 27.3/21

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

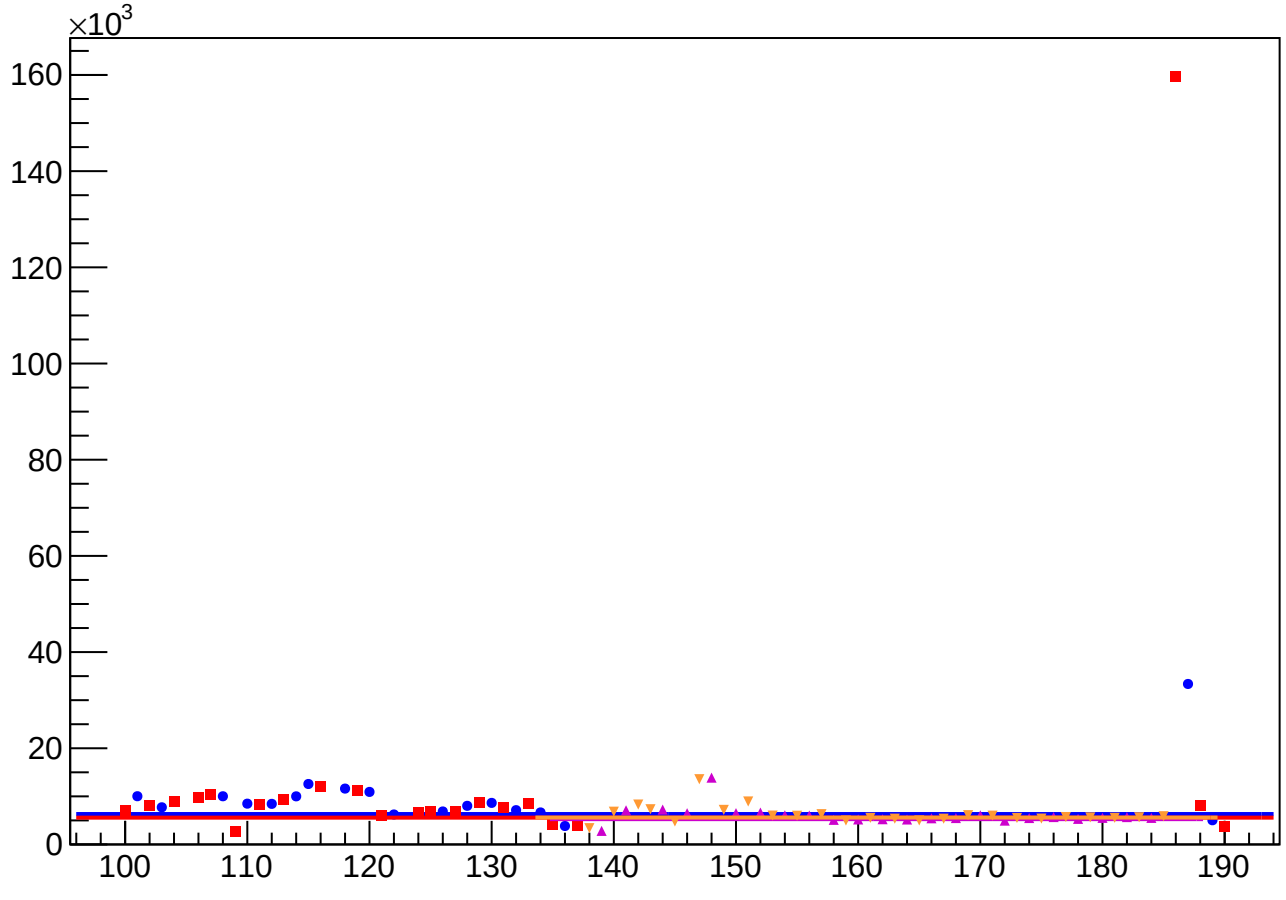
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -0.820+/-1.607 χ^2/NDF: 36.4/39

In: -0.482+/-1.141 χ^2/NDF:38.8/40

Out: -0.216+/-1.124 χ^2/NDF:49.5/46

All: -0.347+/-0.801 χ^2/NDF: 88.3/87



Right In: 6326.210+/-1.725 χ^2/NDF: 2039382.5/17

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5574.016+/-1.510 χ^2/NDF: 3599579.1/21

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

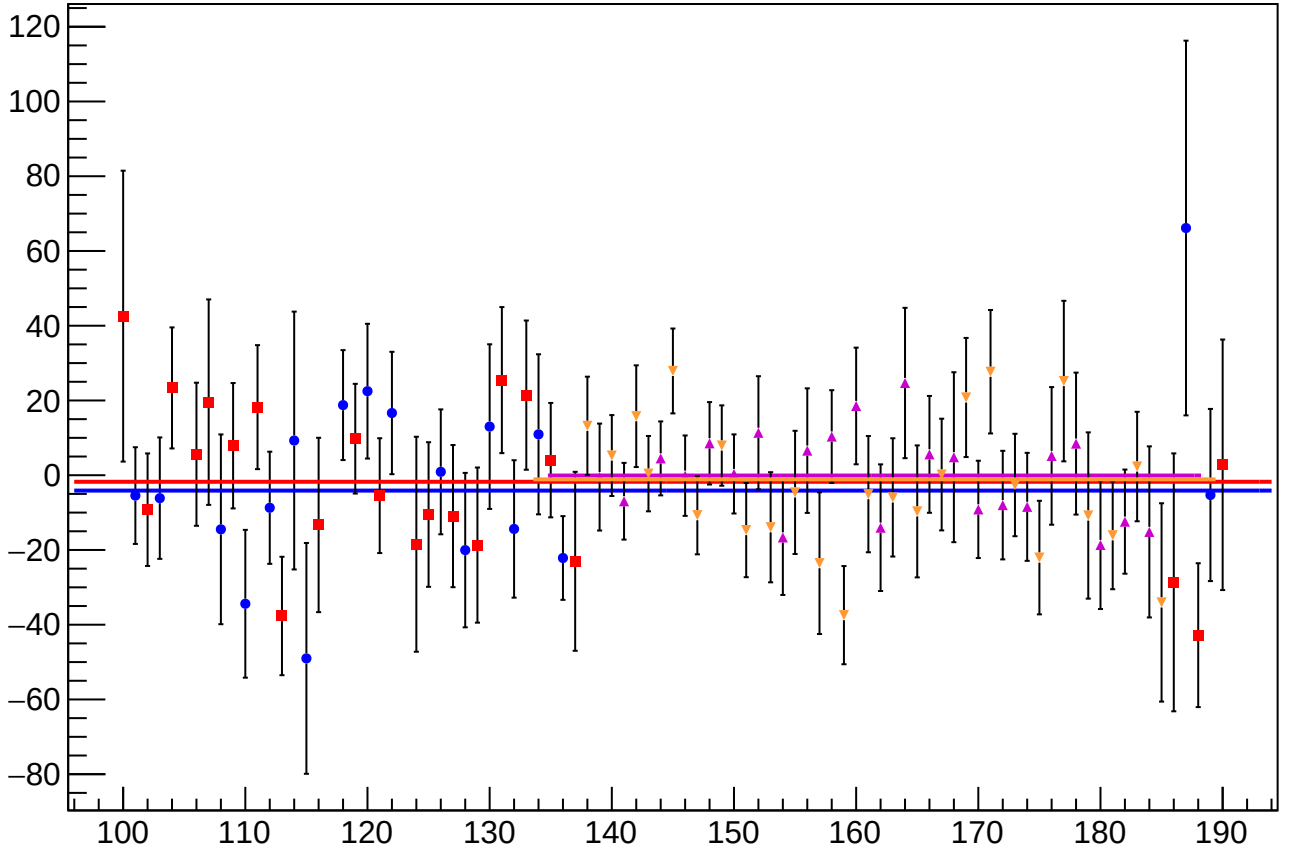
Right: 5900.339+/-1.136 χ^2/NDF: 5746644.4/39

In: 5495.522+/-0.807 χ^2/NDF:4761945.1/40

Out: 5588.828+/-0.795 χ^2/NDF:5383971.4/46

All: 5542.892+/-0.566 χ^2/NDF: 10152704.6/8

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.114+/-4.263 χ^2/NDF: 17.8/17

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -1.755+/-4.104 χ^2/NDF: 23.4/21

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

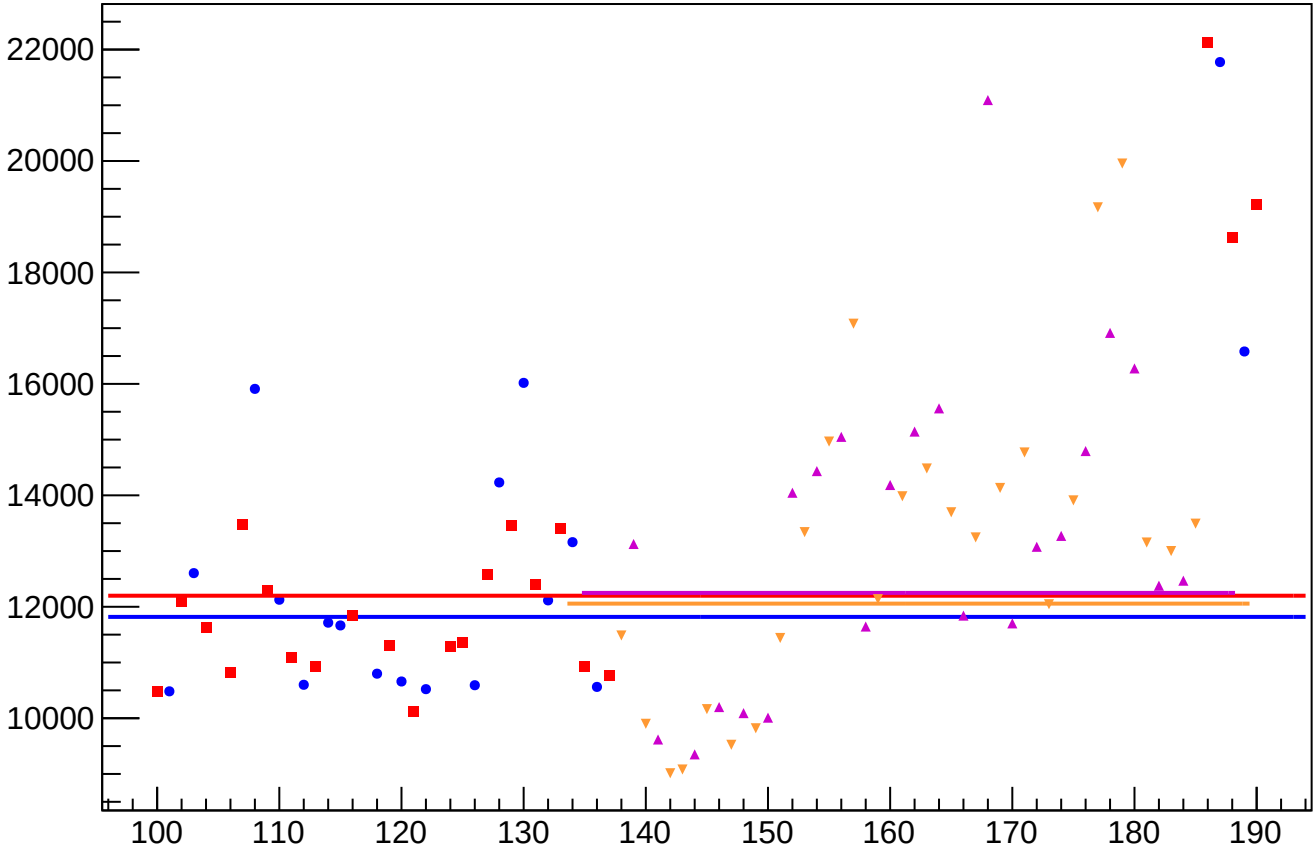
Right: -2.889+/-2.957 χ^2/NDF: 41.3/39

In: -1.375+/-2.413 χ^2/NDF:29.8/40

Out: -1.317+/-2.320 χ^2/NDF:57.2/46

All: -1.345+/-1.672 χ^2/NDF: 87.0/87

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11818.449+/-3.015 χ^2/NDF: 430839.0/17

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 12198.518+/-2.902 χ^2/NDF: 607378.3/21

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

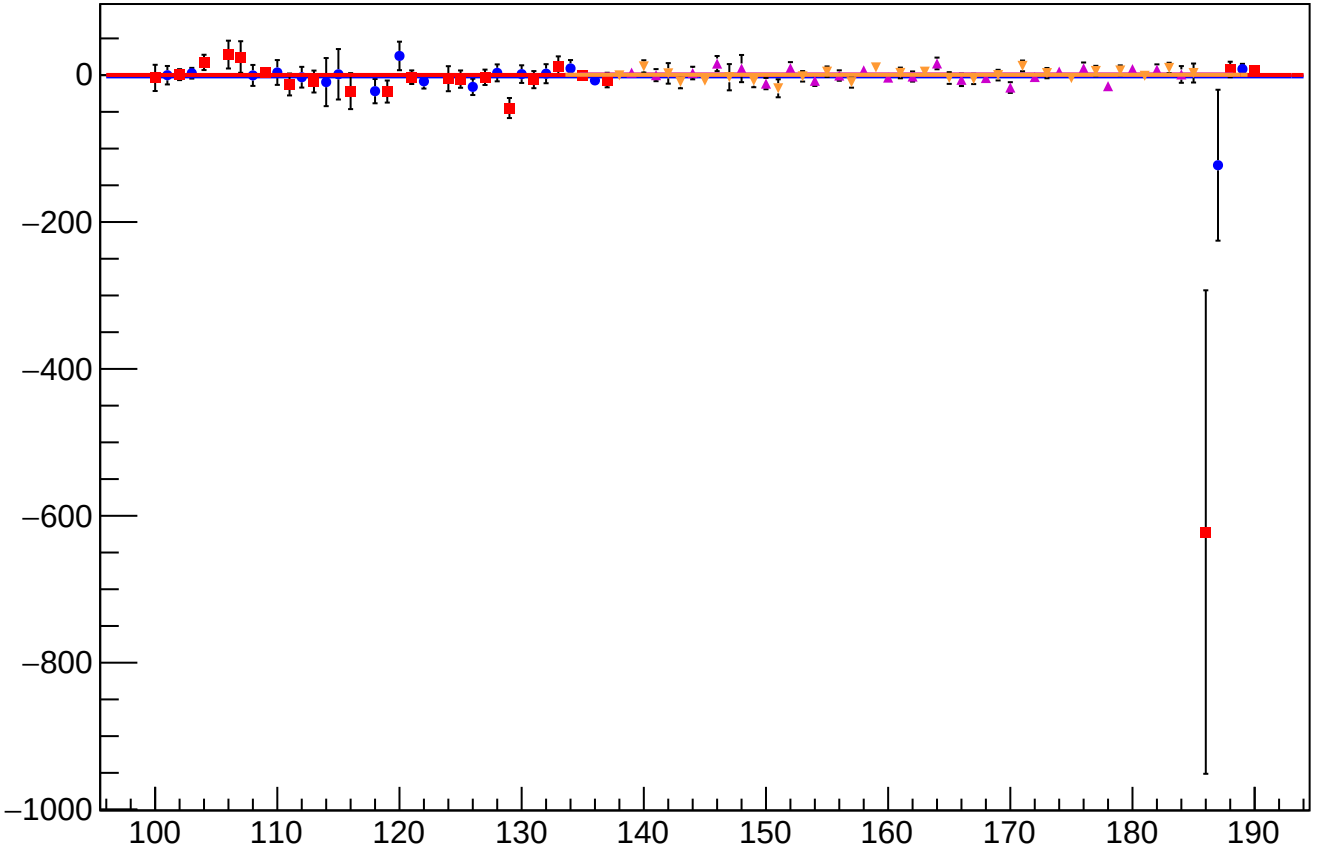
Right: 12015.710+/-2.091 χ^2/NDF: 1046466.7/39

In: 12111.192+/-1.706 χ^2/NDF:1860741.4/40

Out: 12102.038+/-1.641 χ^2/NDF:2170741.6/46

All: 12106.437+/-1.183 χ^2/NDF: 4031498.0/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -1.728+/-2.488 χ^2/NDF: 12.2/17

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.262+/-2.175 χ^2/NDF: 29.0/21

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

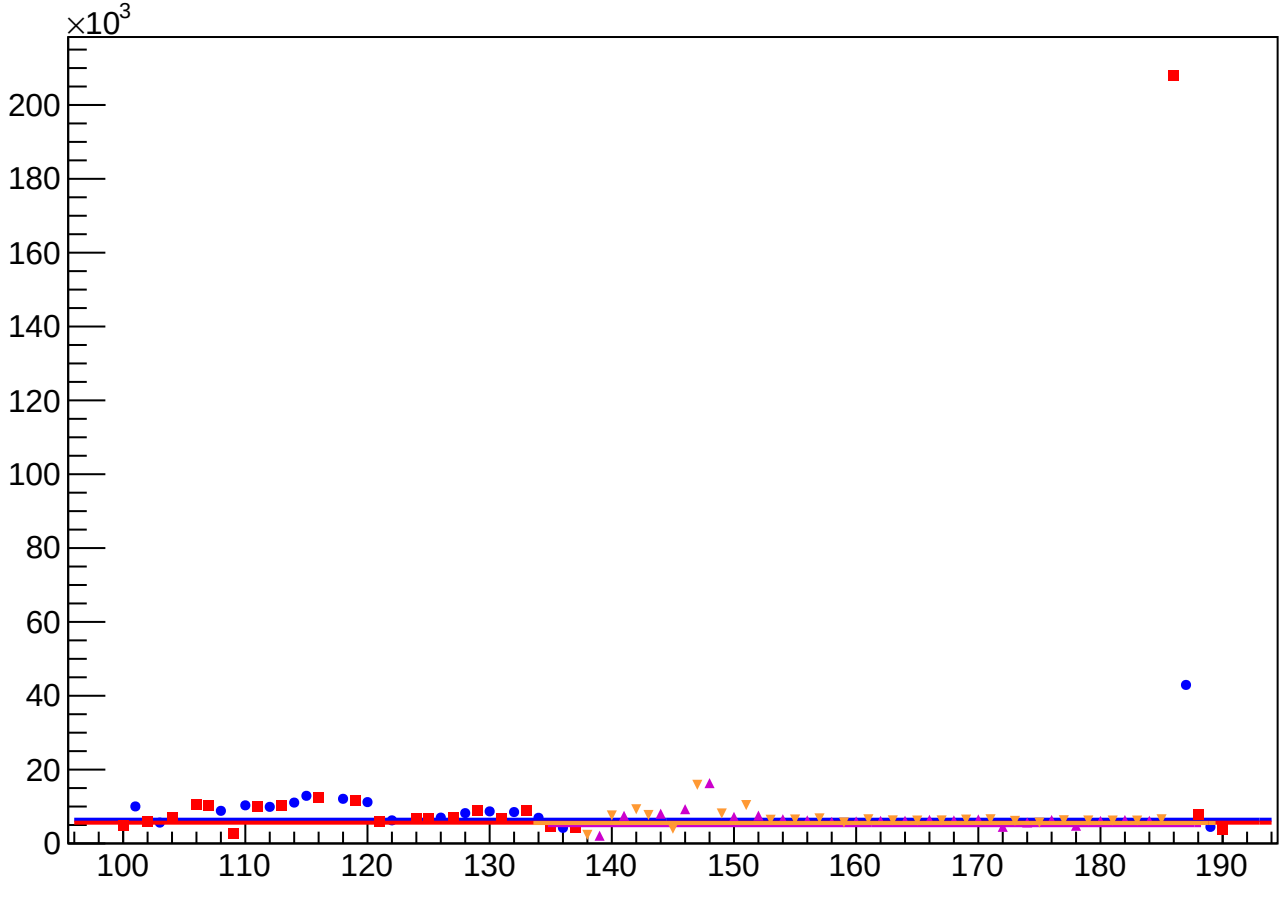
Right: -0.600+/-1.637 χ^2/NDF: 41.5/39

In: 0.377+/-1.148 χ^2/NDF:45.3/40

Out: 0.451+/-1.158 χ^2/NDF:50.4/46

All: 0.413+/-0.815 χ^2/NDF: 95.7/87

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6433.492+/-1.759 χ^2/NDF: 1990282.1/17

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5626.186+/-1.538 χ^2/NDF: 3282095.4/21

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

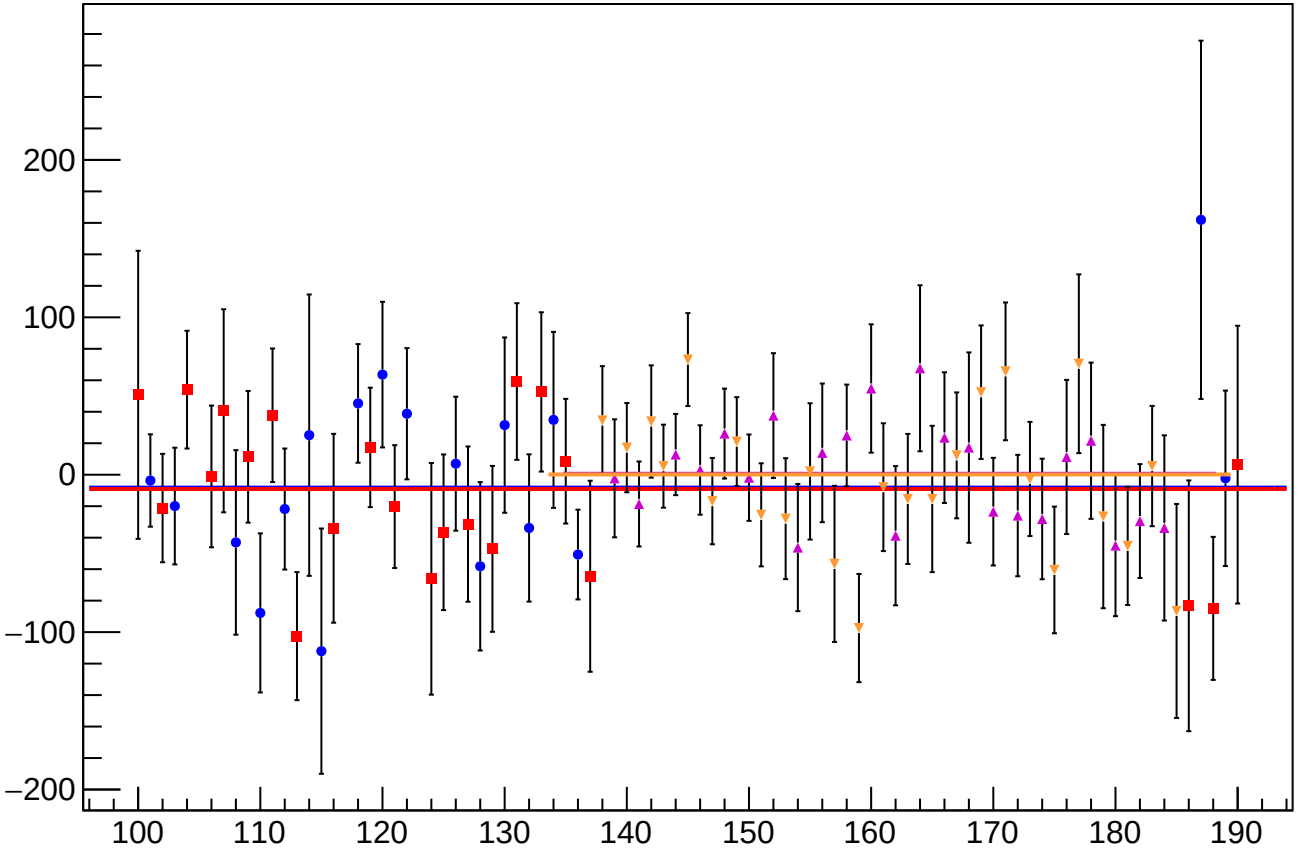
Right: 5975.933+/-1.158 χ^2/NDF: 5391751.6/39

In: 5259.718+/-0.812 χ^2/NDF:8492149.8/40

Out: 5555.832+/-0.819 χ^2/NDF:7660738.8/46

All: 5406.462+/-0.577 χ^2/NDF: 16218808.3/8

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.069+/-10.201 χ^2/NDF: 21.2/21

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

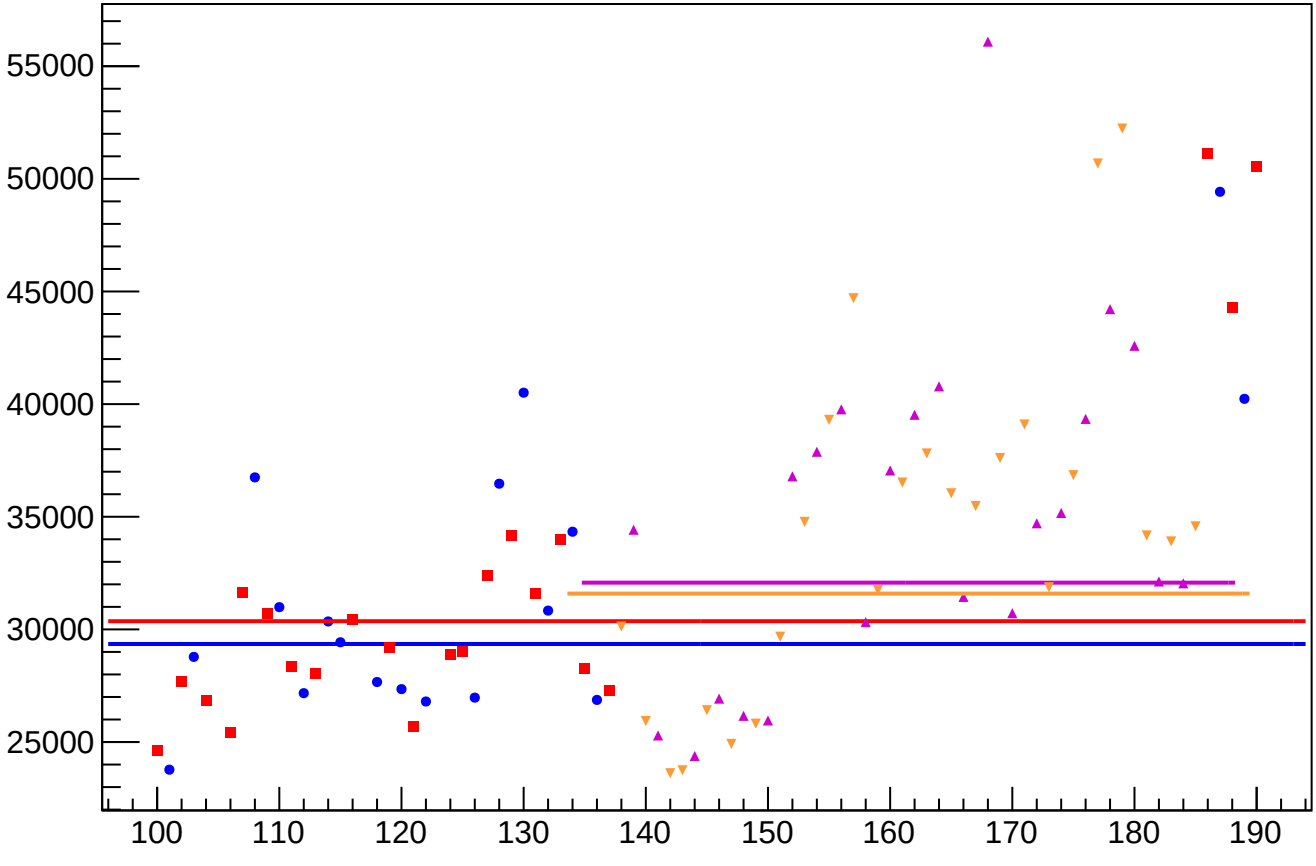
Right: -8.652+/-7.347 χ^2/NDF: 38.8/39

In: -2.436+/-6.210 χ^2/NDF:30.8/40

Out: -3.003+/-5.977 χ^2/NDF:52.9/46

All: -2.730+/-4.306 χ^2/NDF: 83.7/87

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 29352.264+/-7.489 χ^2/NDF: 422060.2/17

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 30363.946+/-7.213 χ^2/NDF: 570450.9/21

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

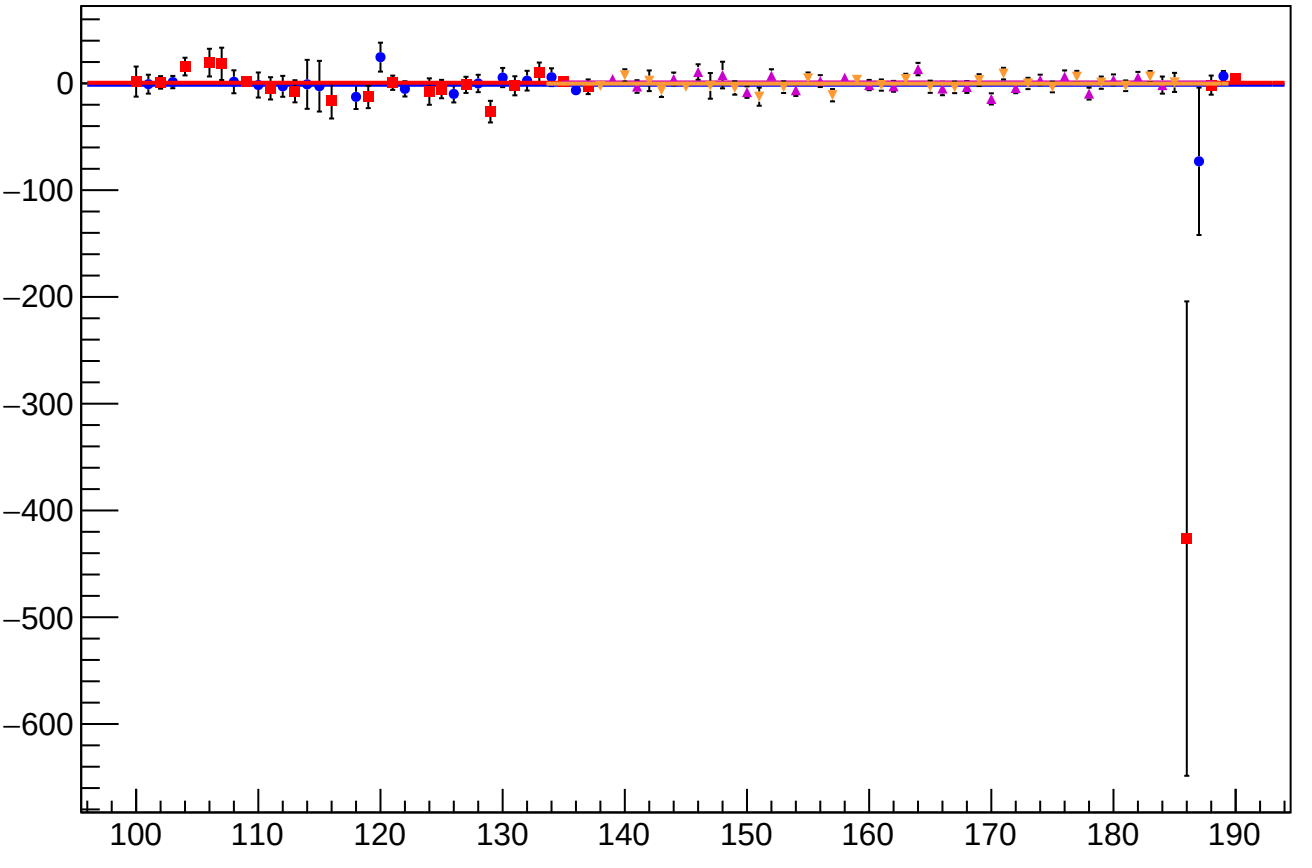
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 29877.079+/-5.195 χ^2/NDF: 1001977.9/39

In: 31138.833+/-4.391 χ^2/NDF:1964509.6/40

Out: 31169.046+/-4.226 χ^2/NDF:2180288.0/46

All: 31154.519+/-3.045 χ^2/NDF: 4144822.3/8



Right In: -1.282+/-1.782 χ^2/NDF: 14.2/17

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.584+/-1.649 χ^2/NDF: 24.6/21

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

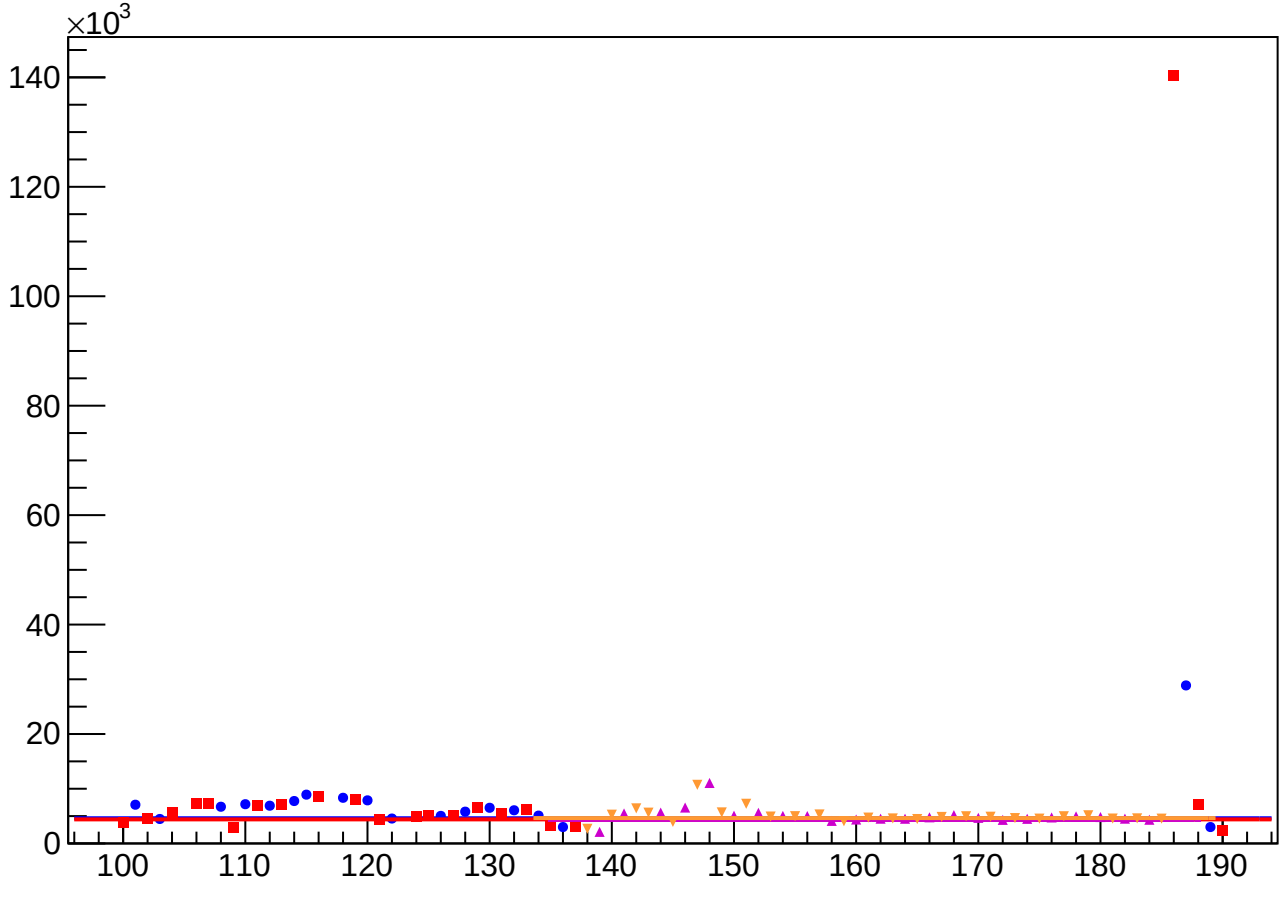
Right: -0.277+/-1.210 χ^2/NDF: 39.4/39

In: 0.247+/-0.911 χ^2/NDF:49.0/40

Out: 0.022+/-0.912 χ^2/NDF:44.6/46

All: 0.134+/-0.645 χ^2/NDF: 93.6/87

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4607.012+/-1.260 χ^2/NDF: 2042104.7/17

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4398.785+/-1.166 χ^2/NDF: 2851518.8/21

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

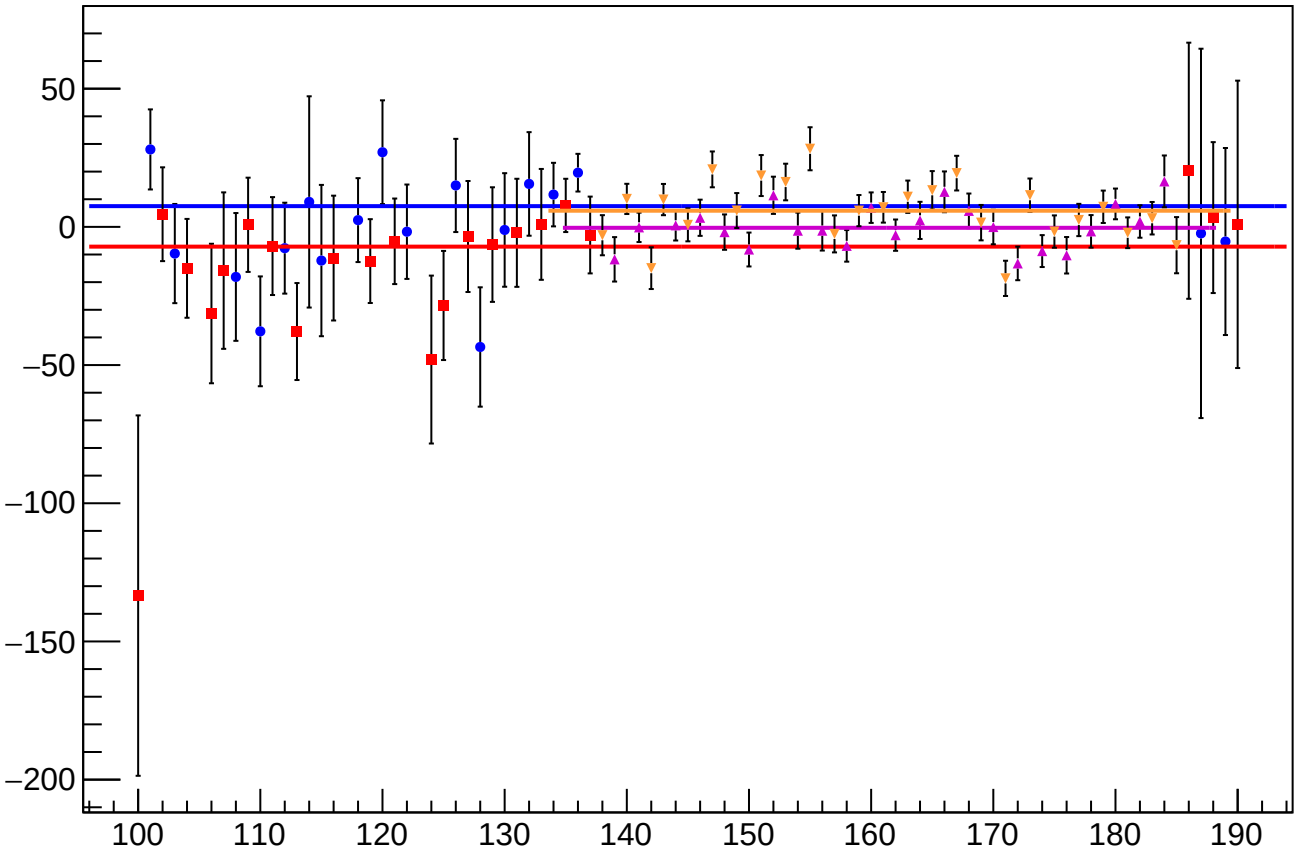
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 4494.826+/-0.856 χ^2/NDF: 4908334.9/39

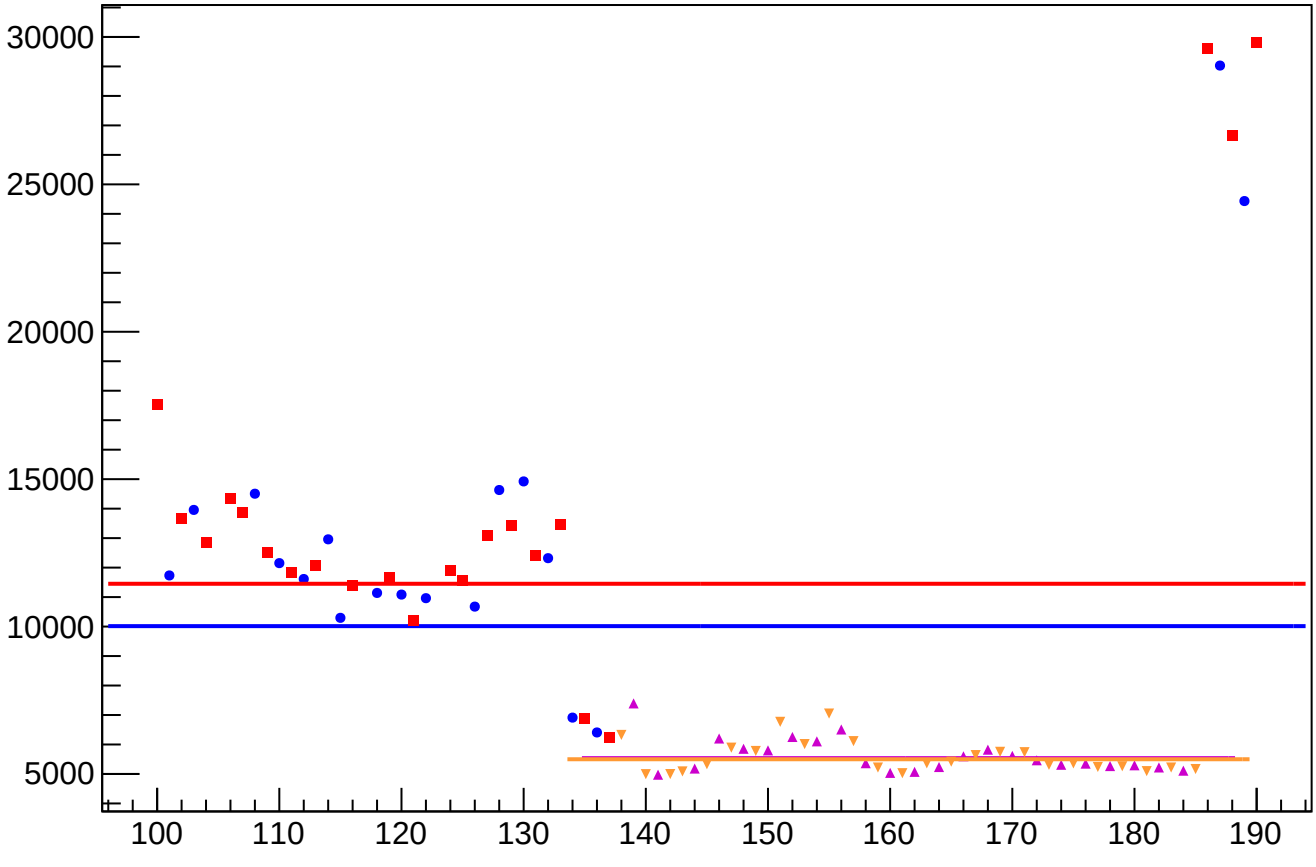
In: 4376.666+/-0.644 χ^2/NDF:5182965.4/40

Out: 4564.471+/-0.645 χ^2/NDF:4643705.2/46

All: 4470.555+/-0.456 χ^2/NDF: 9869123.8/87


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: 7.503+/-3.790 χ²/NDF: 21.8/17
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -7.148+/-4.026 χ²/NDF: 15.1/21
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: 0.621+/-2.759 χ²/NDF: 43.9/39
In: 0.490+/-1.230 χ²/NDF:55.0/40
Out: 4.694+/-1.200 χ²/NDF:84.7/46
All: 2.644+/-0.859 χ²/NDF: 145.6/87

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10014.665+/-2.680 χ^2/NDF: 1747133.9/17

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 11451.653+/-2.847 χ^2/NDF: 2092789.8/21

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

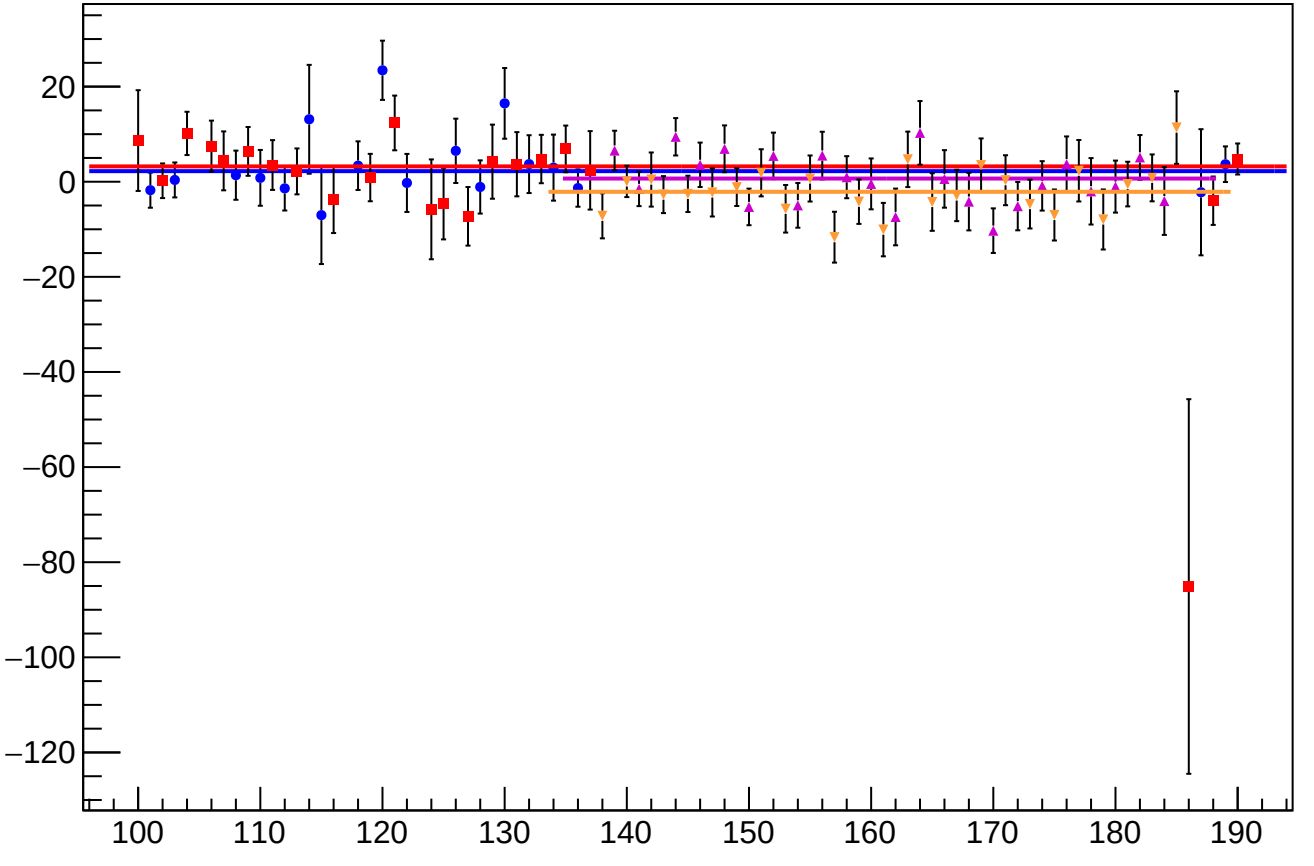
Right: 10689.683+/-1.951 χ^2/NDF: 3975013.7/39

In: 6009.662+/-0.870 χ^2/NDF:4548280.8/40

Out: 6028.183+/-0.849 χ^2/NDF:6373453.4/46

All: 6019.152+/-0.607 χ^2/NDF: 10921966.4/8

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.224+/-1.260 χ^2/NDF: 21.2/17

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 3.224+/-1.178 χ^2/NDF: 20.8/21

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

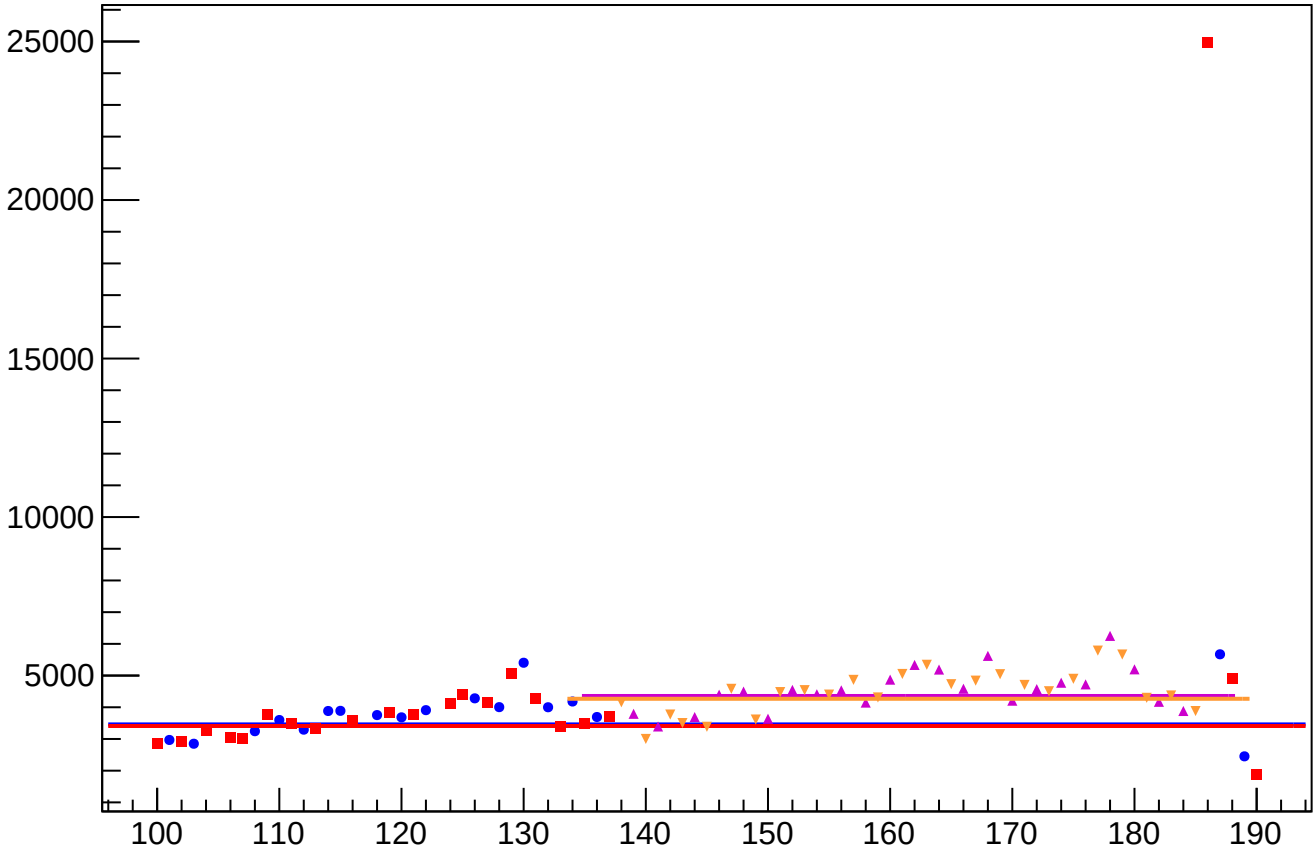
Right: 2.758+/-0.860 χ^2/NDF: 42.3/39

In: 1.293+/-0.798 χ^2/NDF:50.5/40

Out: 0.088+/-0.757 χ^2/NDF:50.3/46

All: 0.659+/-0.549 χ^2/NDF: 102.0/87

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3459.156+/-0.891 χ^2/NDF: 553823.9/17

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3409.438+/-0.833 χ^2/NDF: 1515581.0/21

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

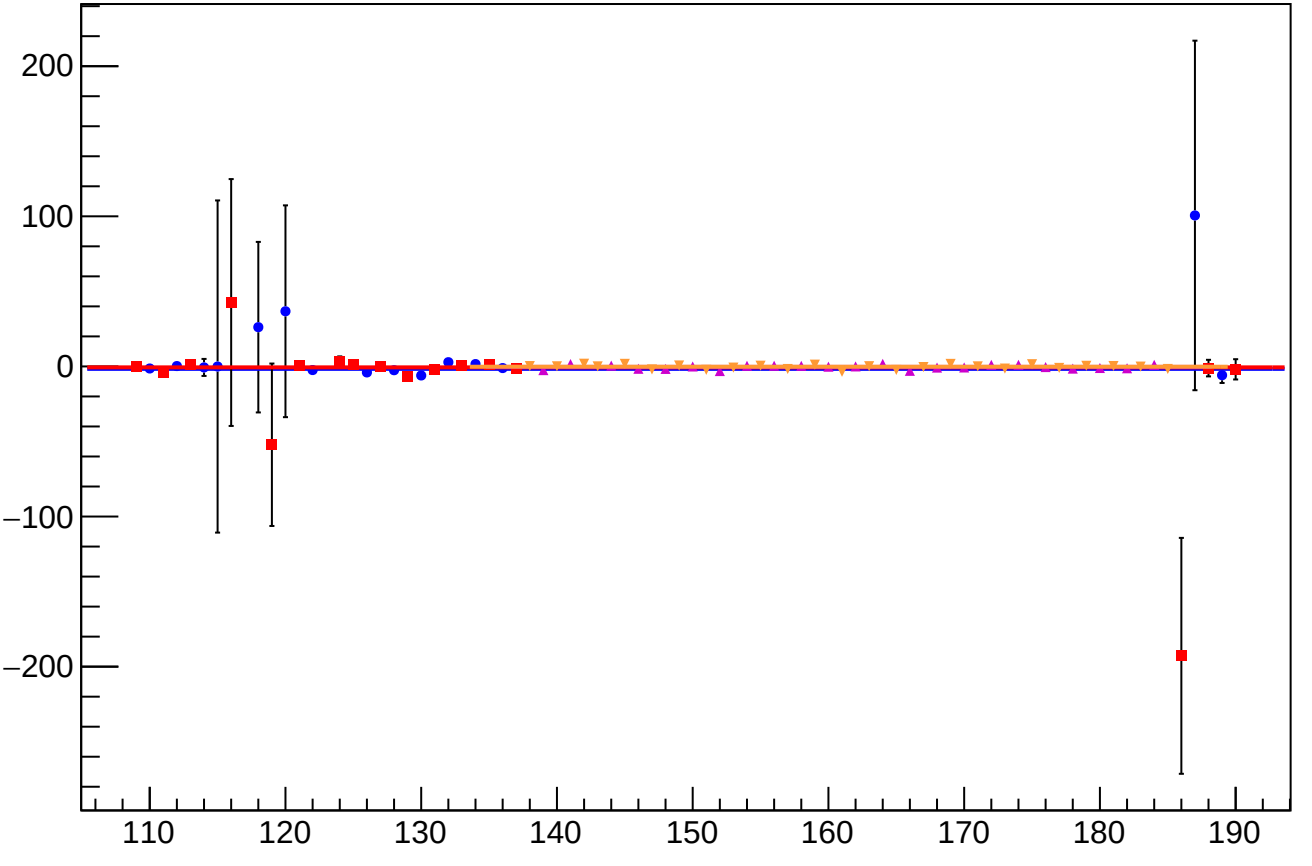
Right: 3432.608+/-0.608 χ^2/NDF: 2071066.4/39

In: 3996.467+/-0.564 χ^2/NDF:1903373.3/40

Out: 3913.391+/-0.535 χ^2/NDF:3174078.1/46

All: 3952.717+/-0.388 χ^2/NDF: 5088867.1/87

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.616+/-0.725 χ^2/NDF: 12.5/14

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.627+/-0.707 χ^2/NDF: 18.7/16

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

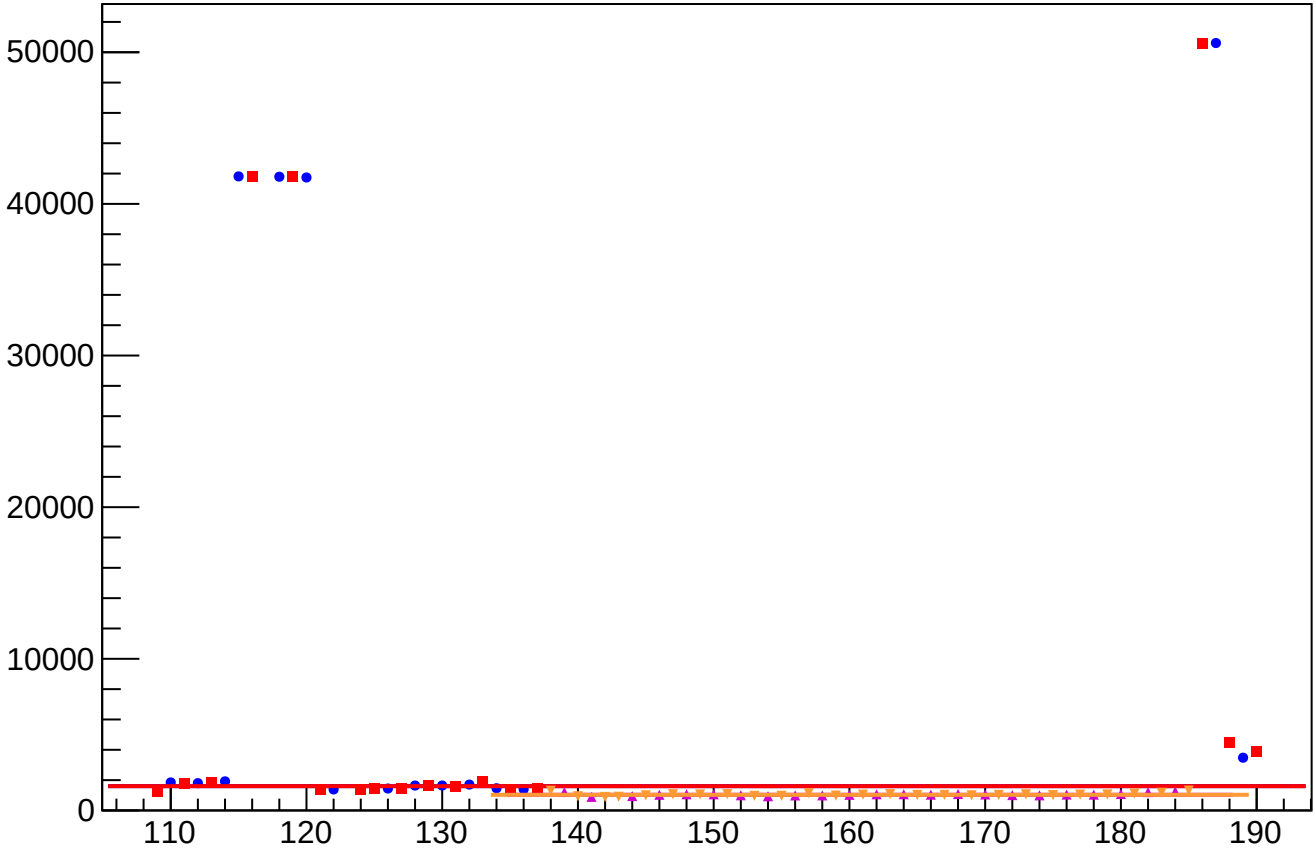
Right: -1.109+/-0.506 χ^2/NDF: 32.2/31

In: -0.462+/-0.230 χ^2/NDF:44.8/37

Out: -0.243+/-0.223 χ^2/NDF:53.0/41

All: -0.350+/-0.160 χ^2/NDF: 98.2/79

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1603.697+/-0.513 χ^2/NDF: 2638671.3/14

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1601.494+/-0.500 χ^2/NDF: 3299842.3/16

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

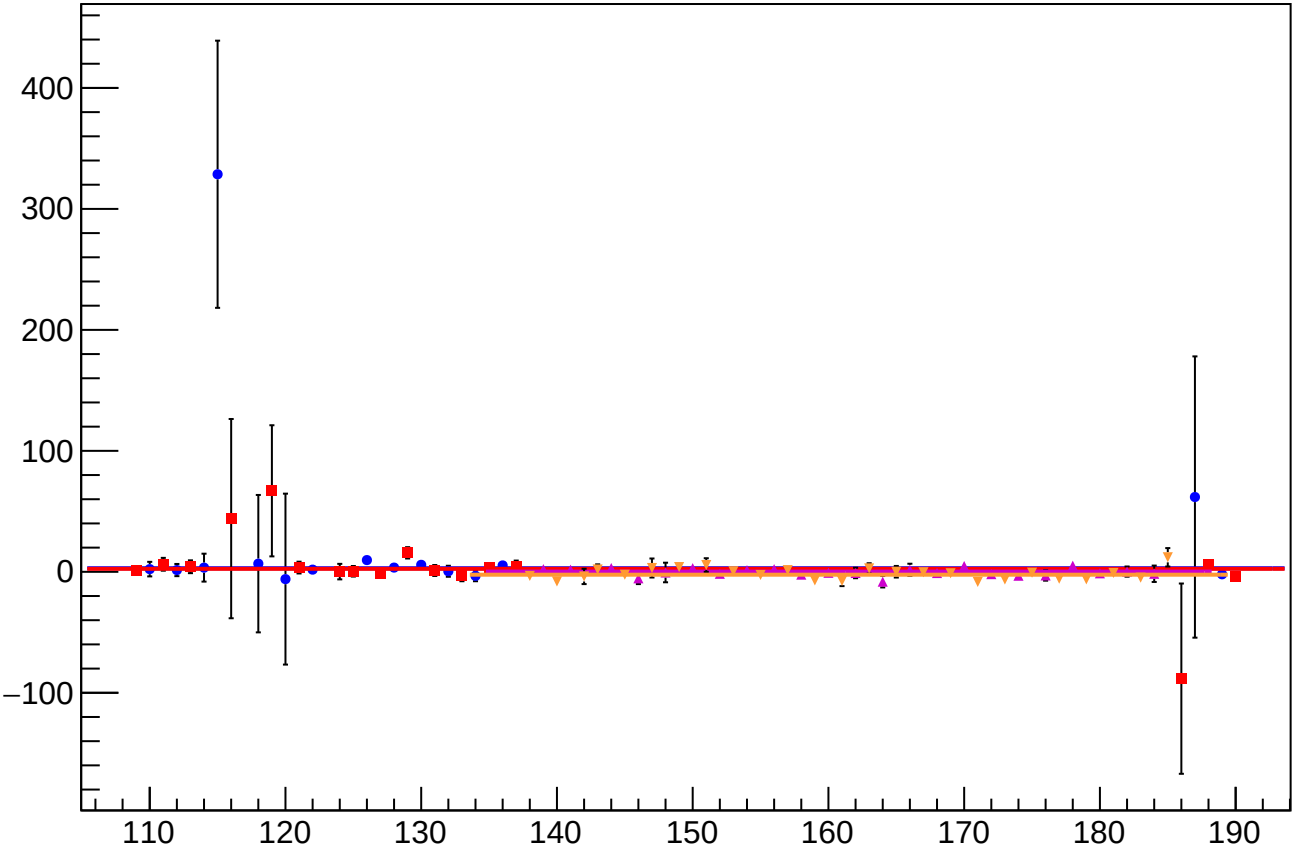
Right: 1602.567+/-0.358 χ^2/NDF: 5938523.1/31

In: 1089.954+/-0.162 χ^2/NDF:3940456.6/37

Out: 1088.376+/-0.158 χ^2/NDF:4713629.7/41

All: 1089.143+/-0.113 χ^2/NDF: 8654134.8/79

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 2.952+/-1.156 χ^2/NDF: 18.5/14

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 2.479+/-1.097 χ^2/NDF: 19.0/16

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

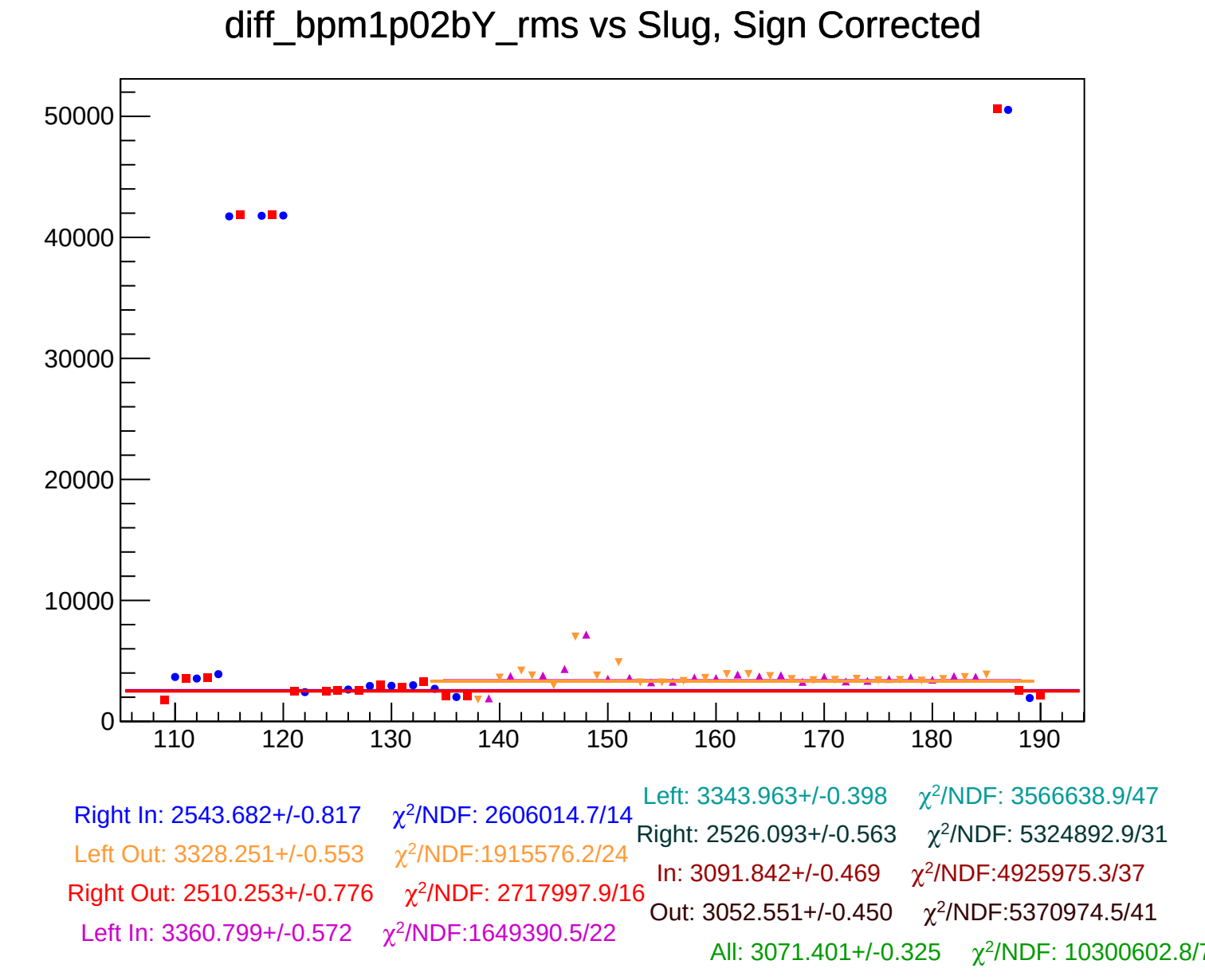
Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

Right: 2.703+/-0.796 χ^2/NDF: 37.6/31

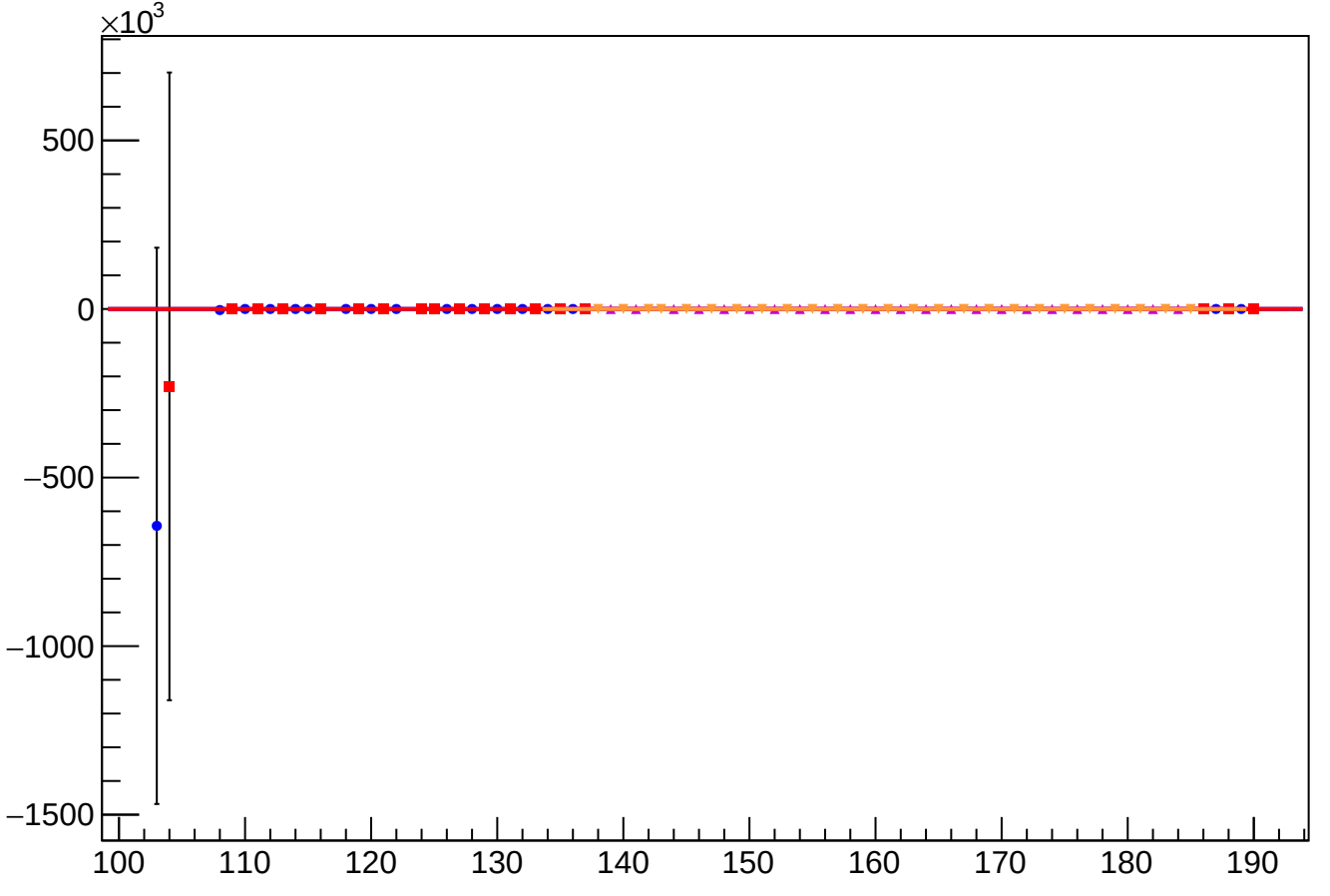
In: 1.086+/-0.663 χ^2/NDF:35.1/37

Out: -0.742+/-0.637 χ^2/NDF:56.3/41

All: 0.135+/-0.459 χ^2/NDF: 95.3/79


diff_bpm1p02bY_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
110
120
130
140
150
160
170
180
190
Right In: 2543.682+/-0.817 χ²/NDF: 2606014.7/14
Left Out: 3328.251+/-0.553 χ²/NDF:1915576.2/24
Right Out: 2510.253+/-0.776 χ²/NDF: 2717997.9/16
Left In: 3360.799+/-0.572 χ²/NDF:1649390.5/22
Left: 3343.963+/-0.398 χ²/NDF: 3566638.9/47
Right: 2526.093+/-0.563 χ²/NDF: 5324892.9/31
In: 3091.842+/-0.469 χ²/NDF:4925975.3/37
Out: 3052.551+/-0.450 χ²/NDF:5370974.5/41
All: 3071.401+/-0.325 χ²/NDF: 10300602.8/7

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.304+/-1.054 χ^2/NDF: 18.9/16

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.655+/-1.097 χ^2/NDF: 20.6/17

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

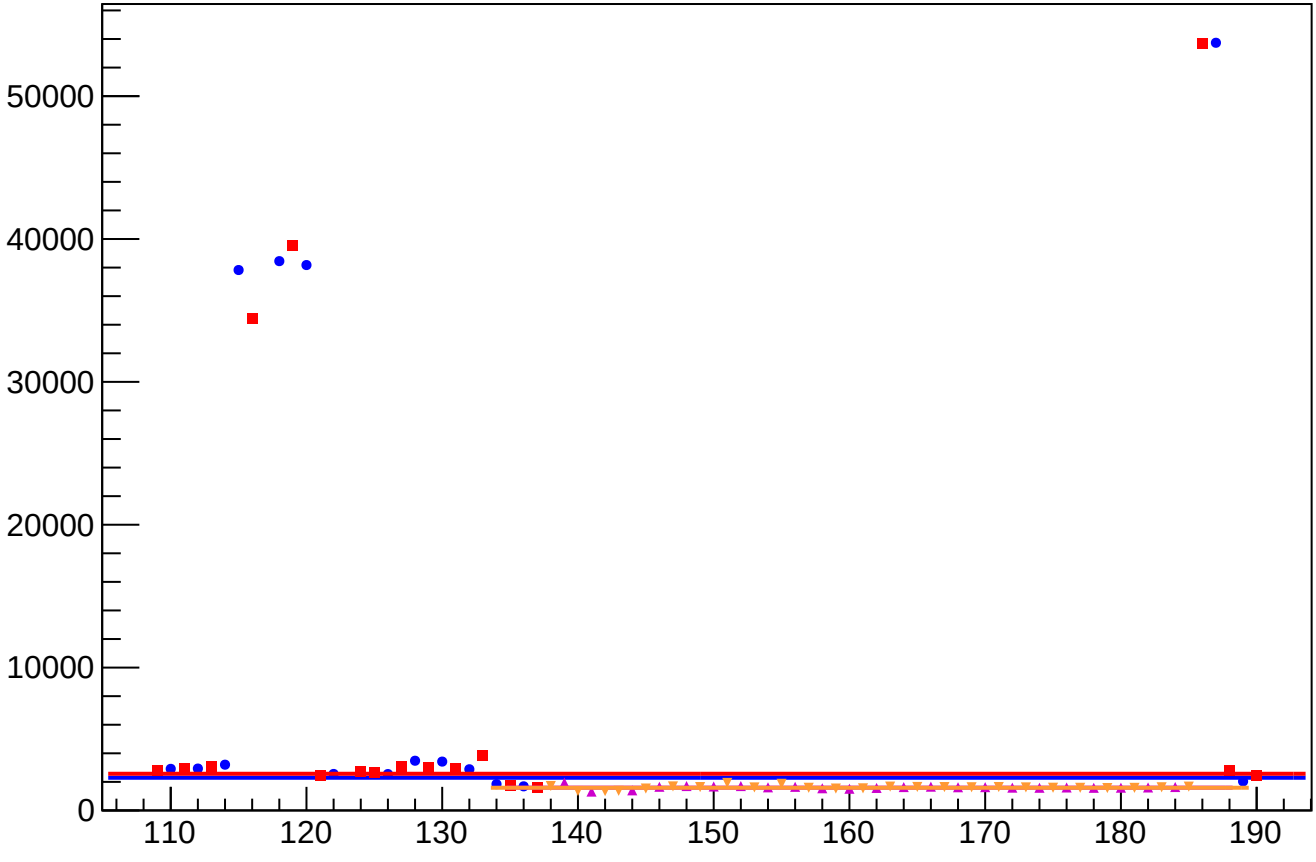
Right: 0.597+/-0.760 χ^2/NDF: 46.2/34

In: -0.162+/-0.353 χ^2/NDF:47.5/39

Out: -1.156+/-0.345 χ^2/NDF:84.2/42

All: -0.671+/-0.247 χ^2/NDF: 135.8/82

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2289.135+/-0.745 χ^2/NDF: 2823693.1/14

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2568.863+/-0.776 χ^2/NDF: 2799206.8/16

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

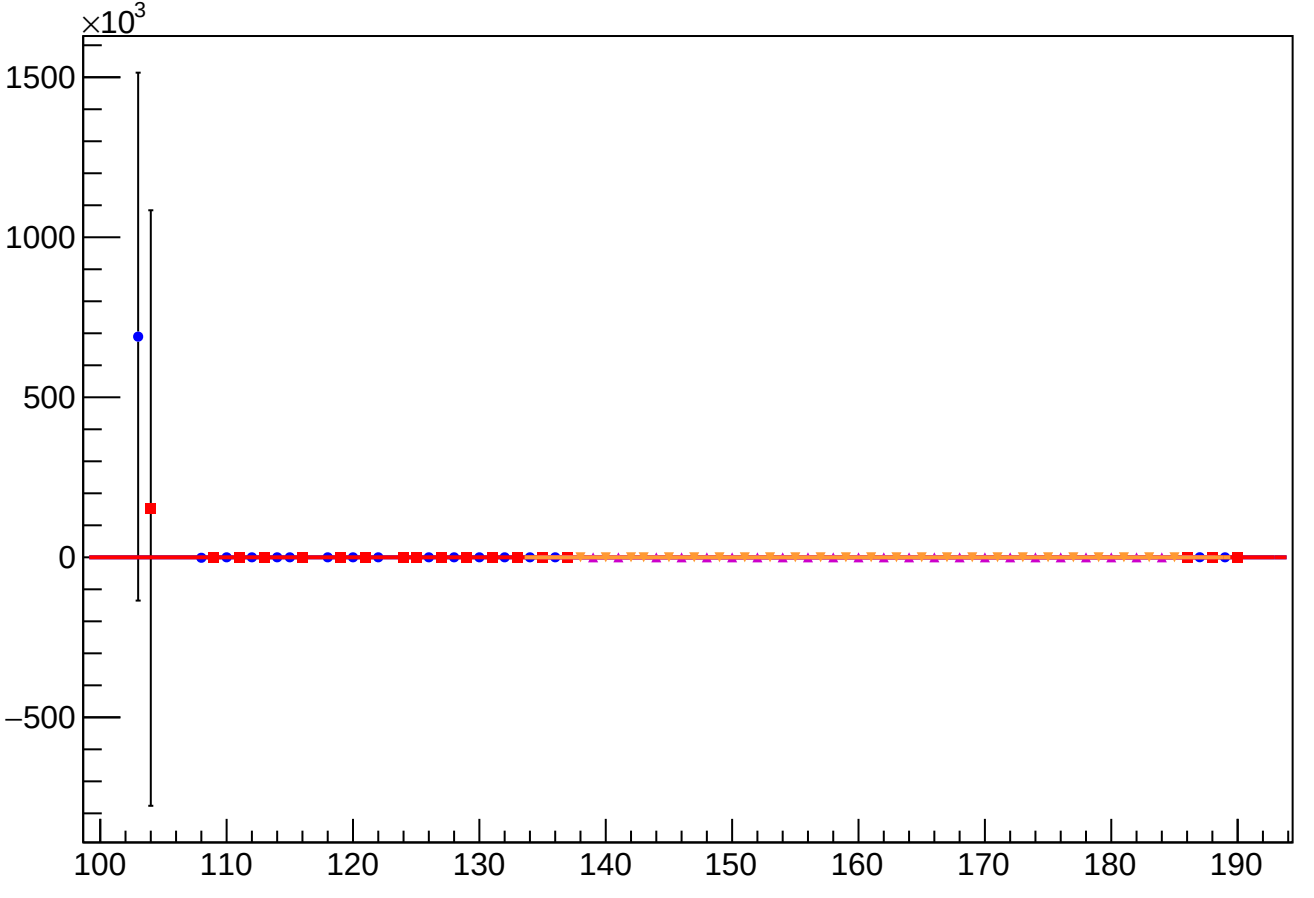
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2423.407+/-0.538 χ^2/NDF: 5690501.9/31

In: 1673.820+/-0.250 χ^2/NDF:3787962.0/37

Out: 1686.071+/-0.244 χ^2/NDF:4468200.5/41

All: 1680.091+/-0.174 χ^2/NDF: 8257396.9/79



Right In: 1.254+/-0.989 χ^2/NDF: 10.3/16

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 1.383+/-0.924 χ^2/NDF: 21.1/17

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

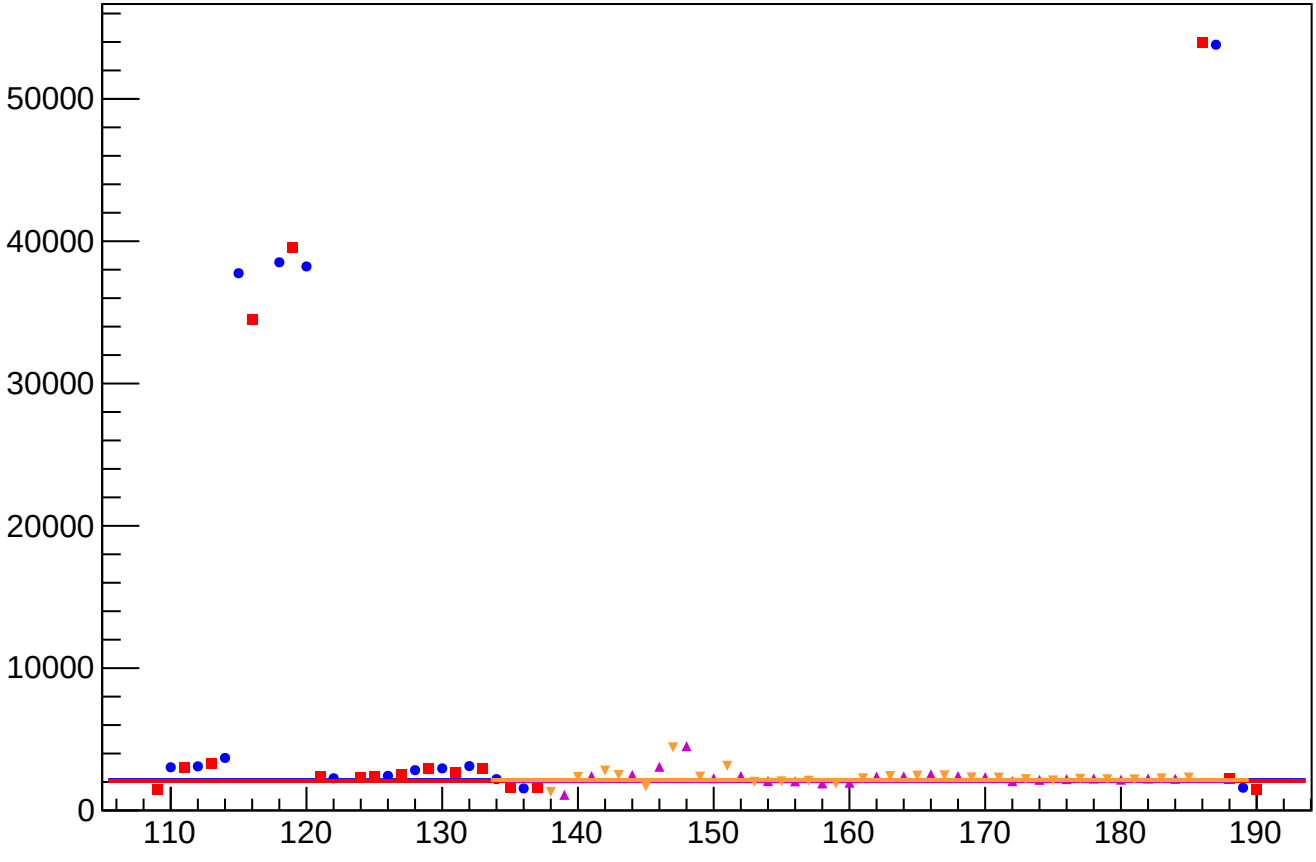
Right: 1.323+/-0.675 χ^2/NDF: 31.4/34

In: 0.157+/-0.447 χ^2/NDF:28.7/39

Out: -0.594+/-0.441 χ^2/NDF:51.5/42

All: -0.223+/-0.314 χ^2/NDF: 81.6/82

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2132.629+/-0.700 χ^2/NDF: 2976916.4/14

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 2071.390+/-0.653 χ^2/NDF: 3137805.3/16

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

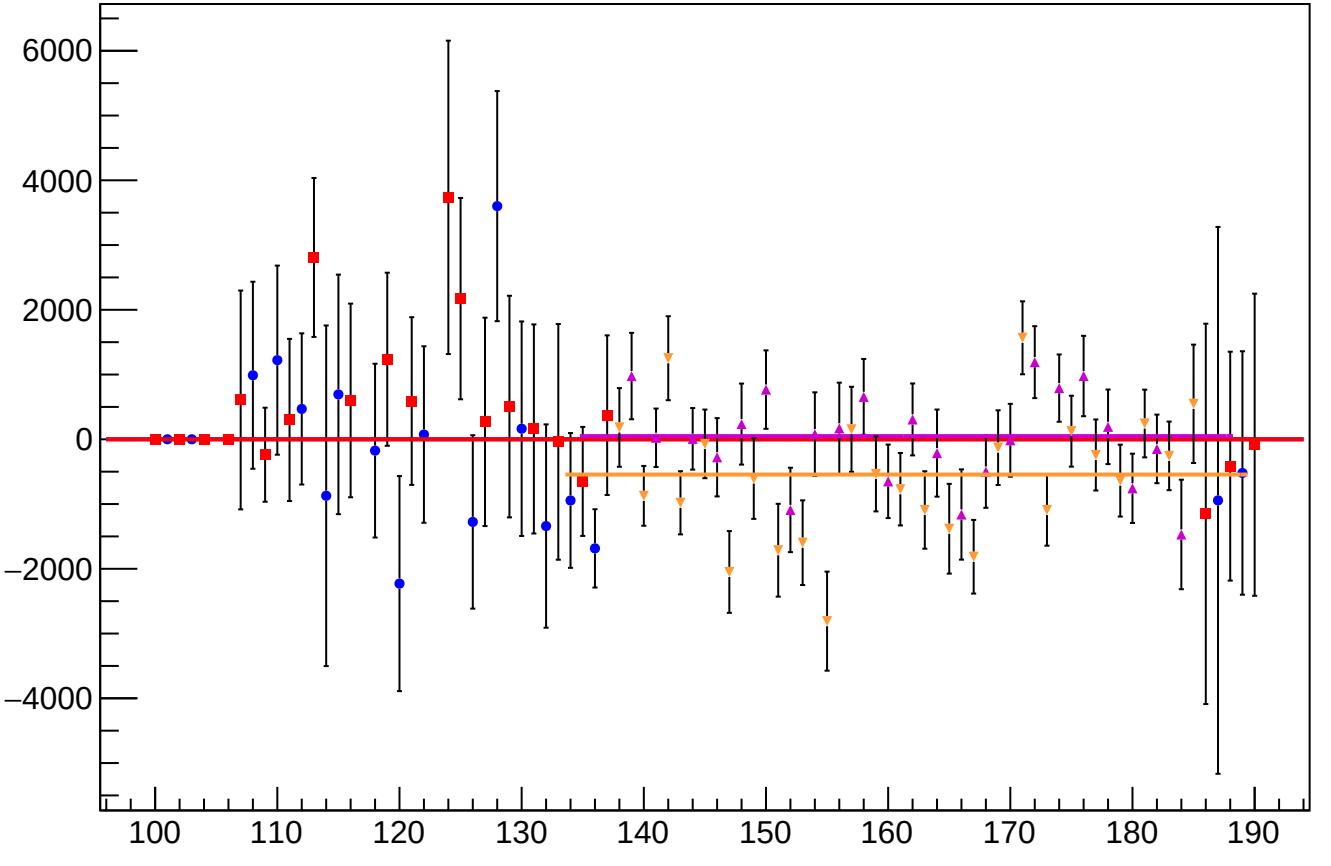
Right: 2099.903+/-0.477 χ^2/NDF: 6118816.3/31

In: 2073.414+/-0.316 χ^2/NDF:5279520.5/37

Out: 2123.749+/-0.312 χ^2/NDF:4626137.4/41

All: 2098.909+/-0.222 χ^2/NDF: 9918494.4/79

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.9/17

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 15.6/21

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

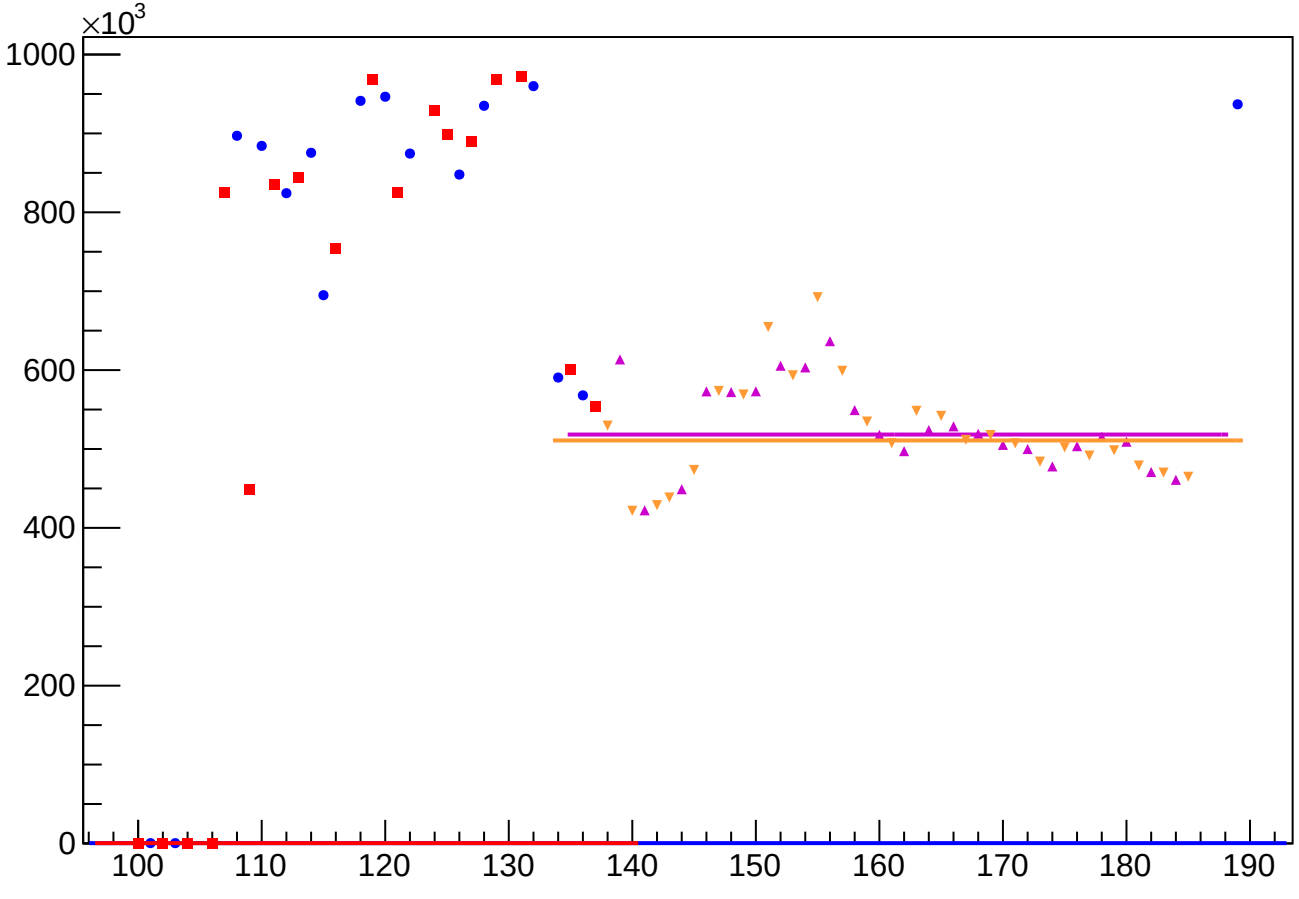
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 34.0/39

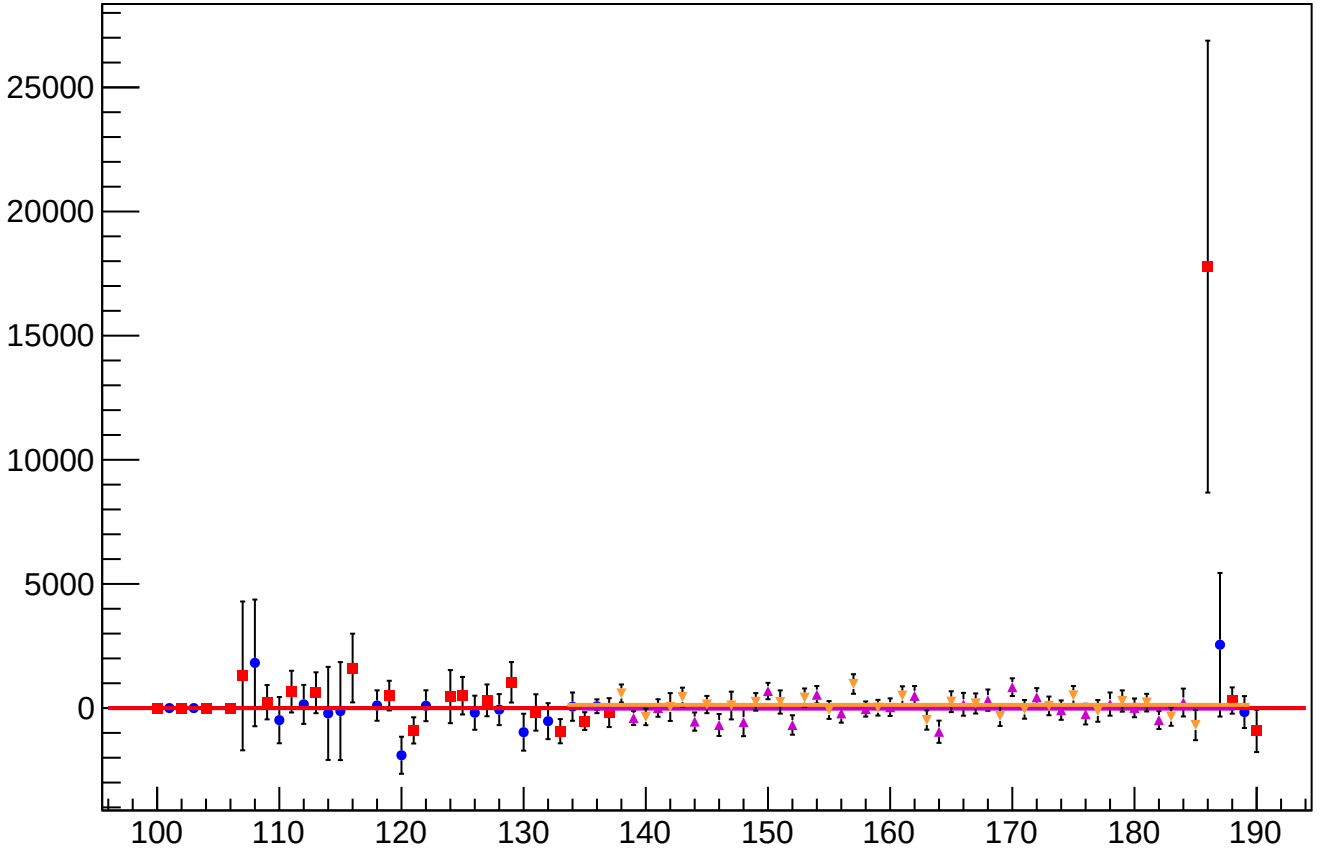
In: 0.256+/-0.356 χ^2/NDF:46.0/40

Out: -0.100+/-0.328 χ^2/NDF:98.1/46

All: 0.063+/-0.241 χ^2/NDF: 144.6/87


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: 11.3/17

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 20.3/21

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

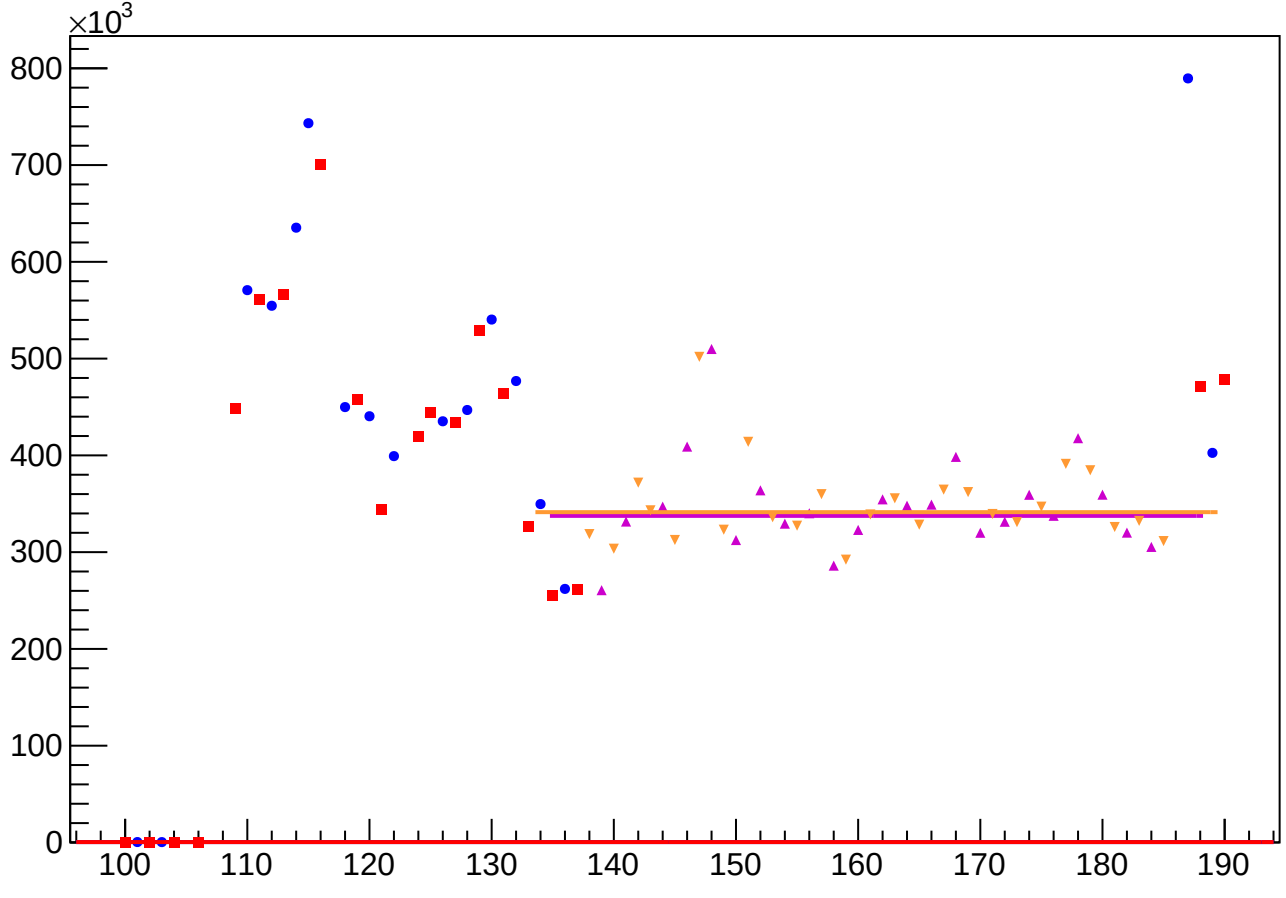
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 33.1/39

In: -0.021+/-0.347 χ^2/NDF:45.1/40

Out: -0.597+/-0.324 χ^2/NDF:43.1/46

All: -0.329+/-0.237 χ^2/NDF: 89.7/87



Right In: 390.392+/-0.245 χ^2/NDF: 11925367.0/16

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.224+/-0.229 χ^2/NDF: 13239225.4/19

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

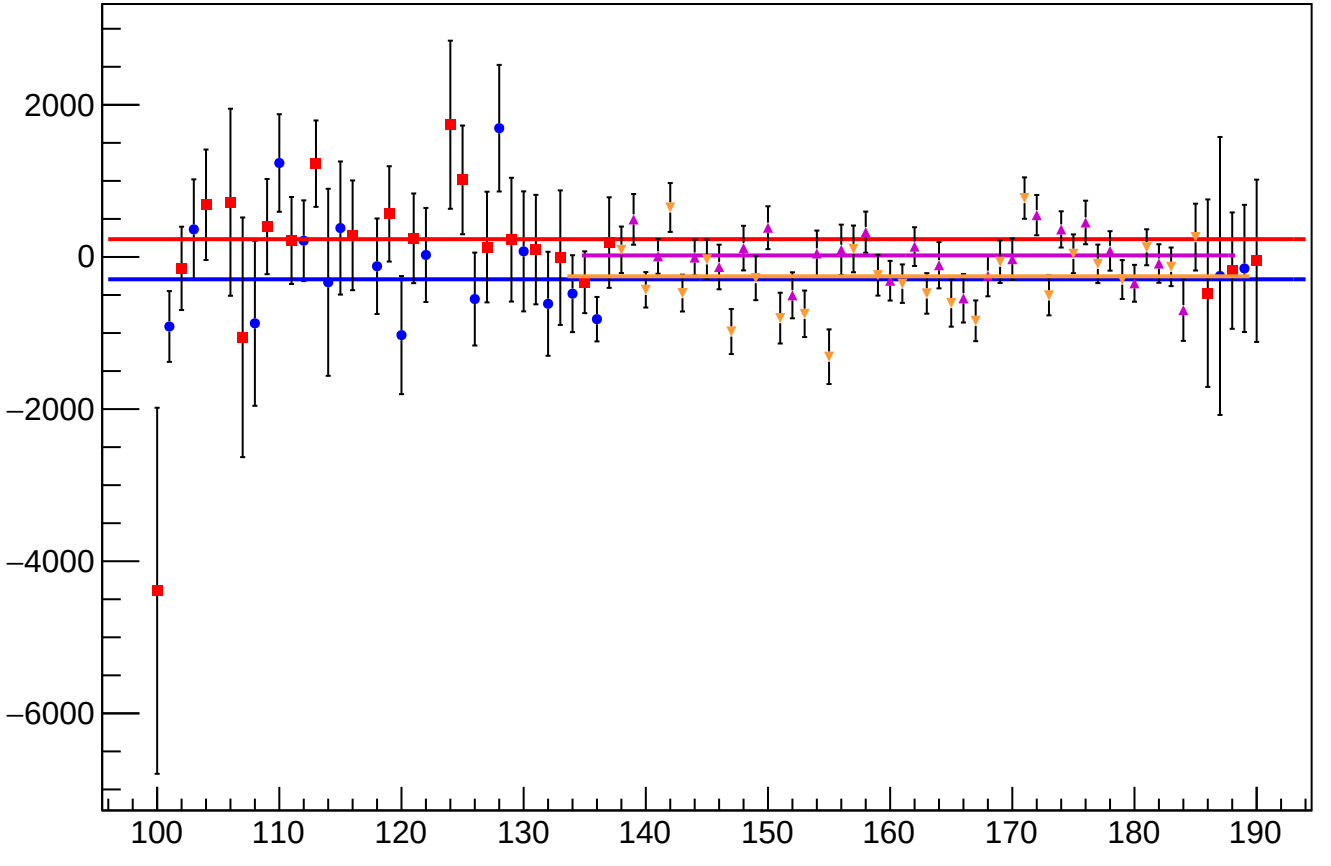
Right: 389.233+/-0.167 χ^2/NDF: 25164634.2/36

In: 396.775+/-0.245 χ^2/NDF:48243963.0/39

Out: 394.063+/-0.229 χ^2/NDF:51610689.8/44

All: 395.325+/-0.167 χ^2/NDF: 99854718.1/84

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -293.545+/-144.674 χ^2/NDF: 21.2/17

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 233.983+/-150.700 χ^2/NDF: 14.6/21

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

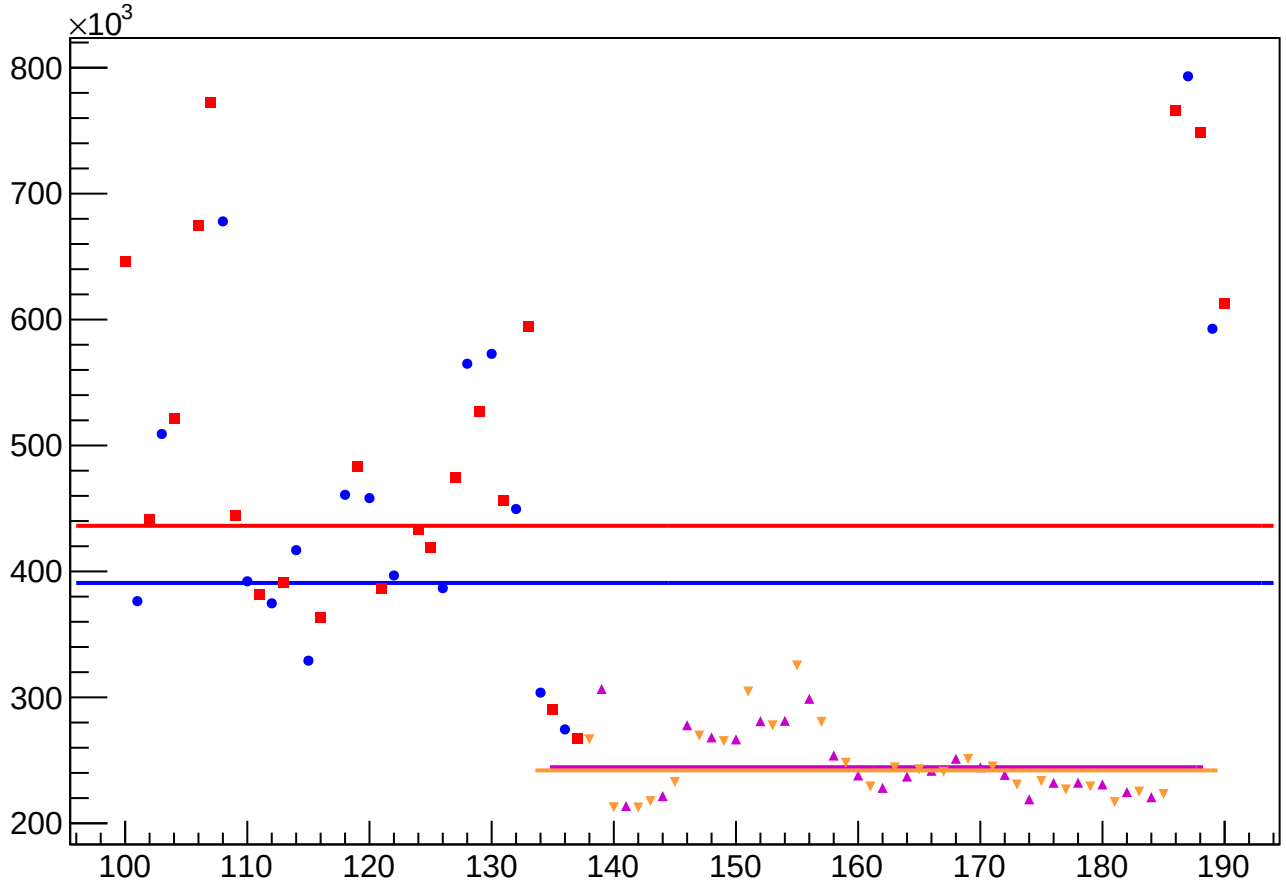
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -40.538+/-104.365 χ^2/NDF: 42.2/39

In: -22.599+/-53.421 χ^2/NDF:53.8/40

Out: -196.199+/-52.012 χ^2/NDF:85.2/46

All: -111.719+/-37.266 χ^2/NDF: 144.4/87



Right In: 390851.311+/-102.318 χ^2/NDF: 1057243.4/17

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 436219.756+/-106.644 χ^2/NDF: 1319970.6/21

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

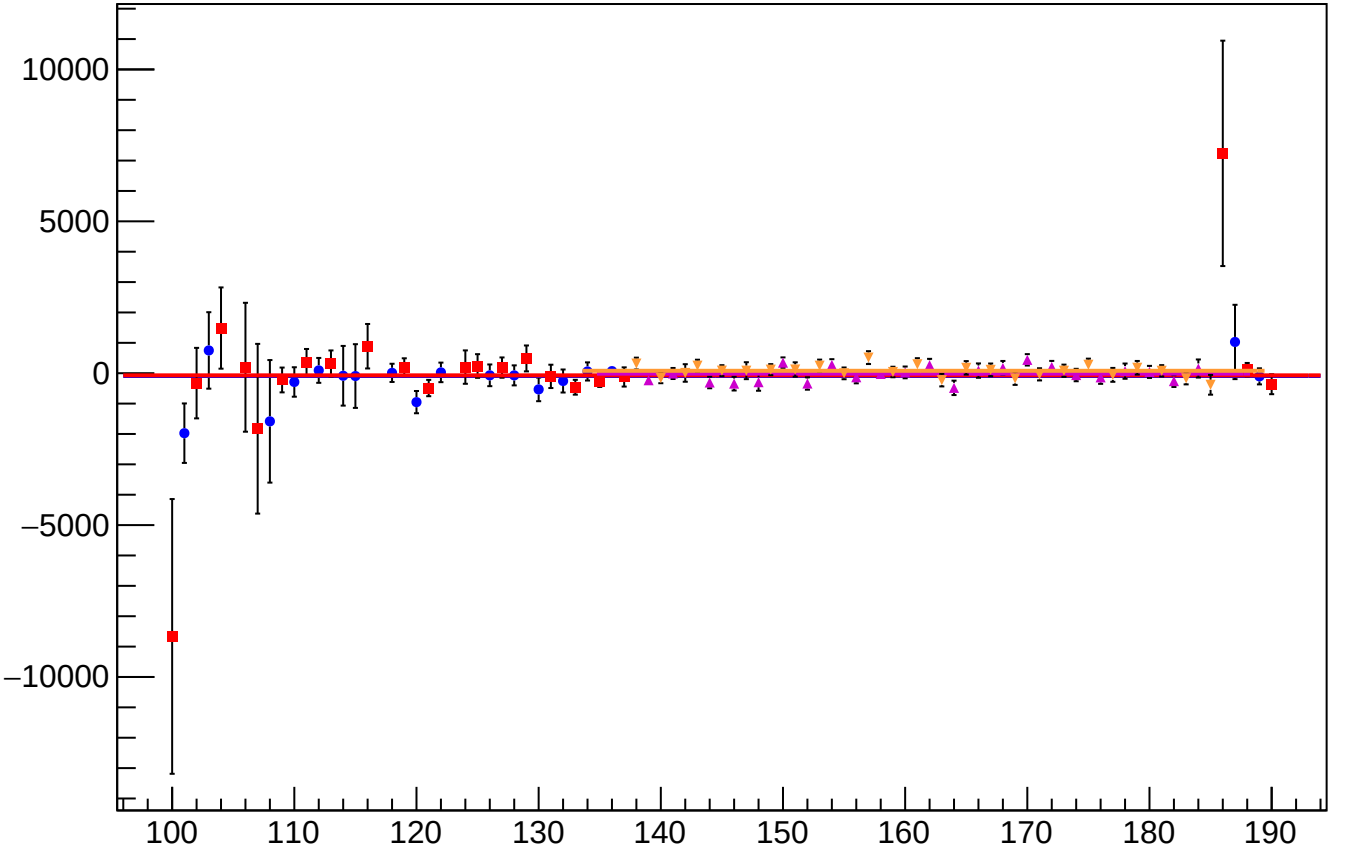
Right: 412596.711+/-73.832 χ^2/NDF: 2471450.1/39

In: 264485.531+/-37.776 χ^2/NDF:3184790.3/40

Out: 265111.425+/-36.782 χ^2/NDF:4655155.6/46

All: 264806.821+/-26.353 χ^2/NDF: 7840086.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -91.372+/-83.538 χ^2/NDF: 14.5/17

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -70.402+/-78.842 χ^2/NDF: 24.5/21

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

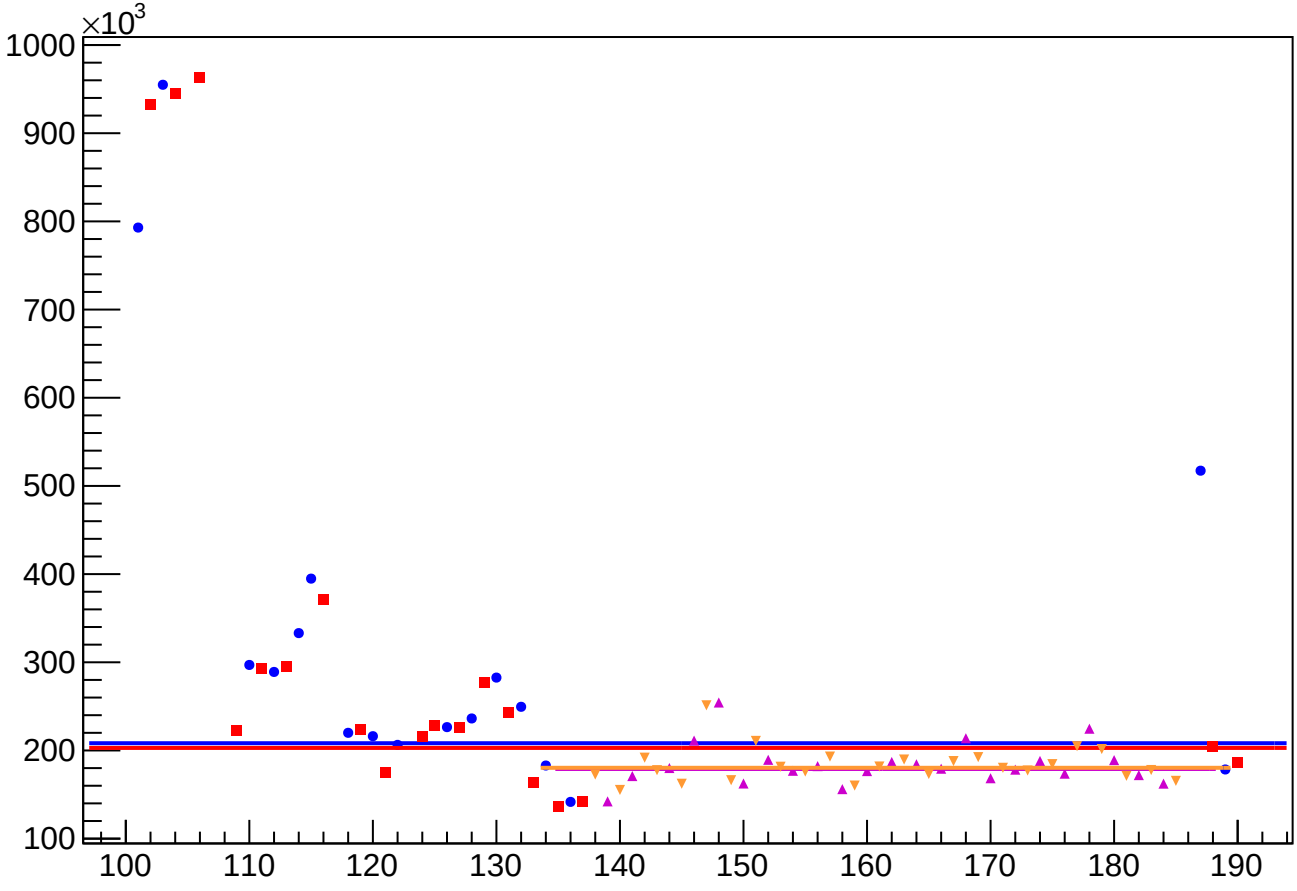
Right: -80.281+/-57.338 χ^2/NDF: 39.1/39

In: -29.775+/-37.690 χ^2/NDF:48.4/40

Out: 47.219+/-36.585 χ^2/NDF:47.1/46

All: 9.868+/-26.252 χ^2/NDF: 97.6/87

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 208220.853+/-59.163 χ^2/NDF: 2113603.2/16

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 202890.815+/-55.875 χ^2/NDF: 2076245.1/18

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

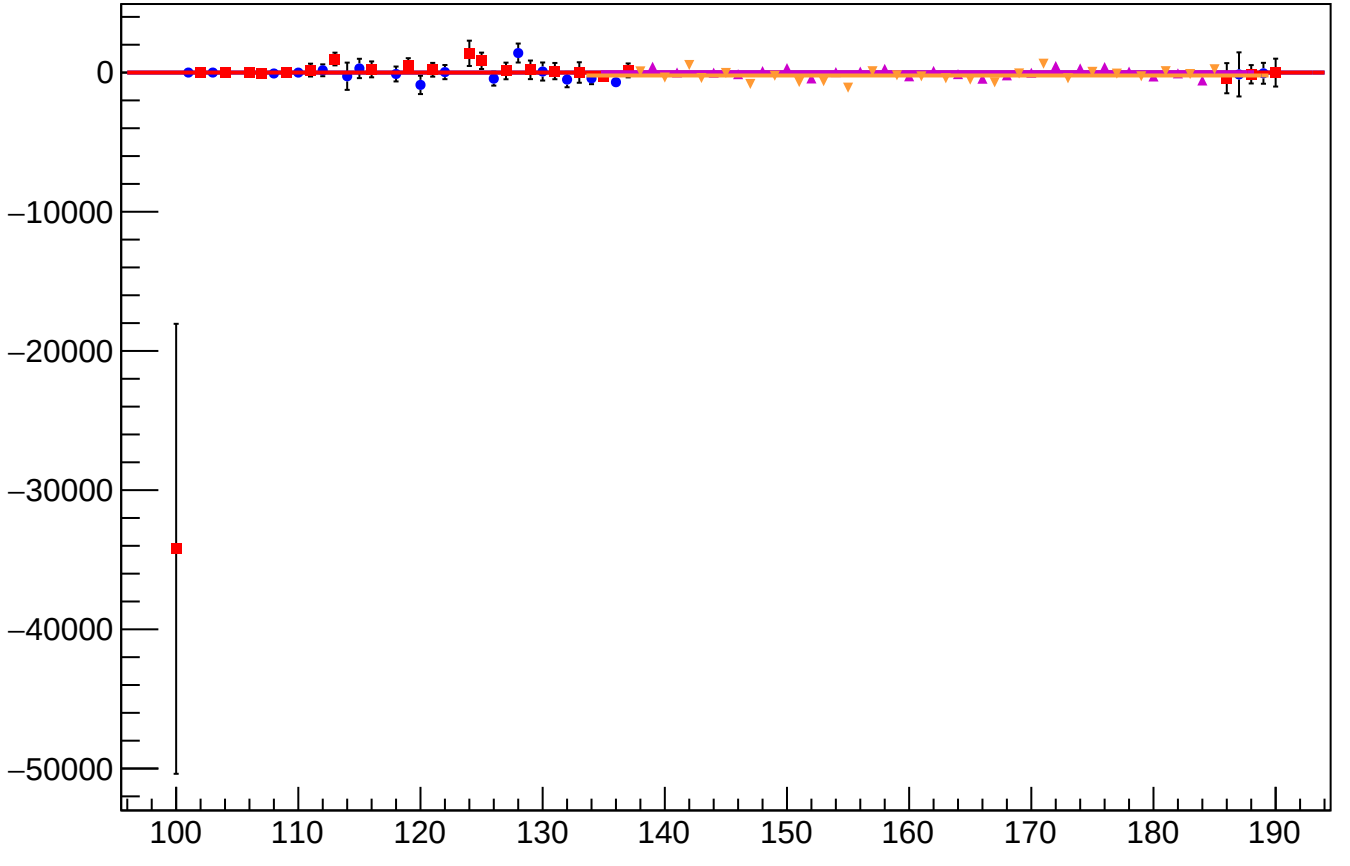
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 205403.642+/-40.622 χ^2/NDF: 4194138.2/35

In: 184952.701+/-26.660 χ^2/NDF:2809092.3/39

Out: 185180.839+/-25.882 χ^2/NDF:2550746.6/43

All: 185070.146+/-18.570 χ^2/NDF: 5359876.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/17

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 16.7/21

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

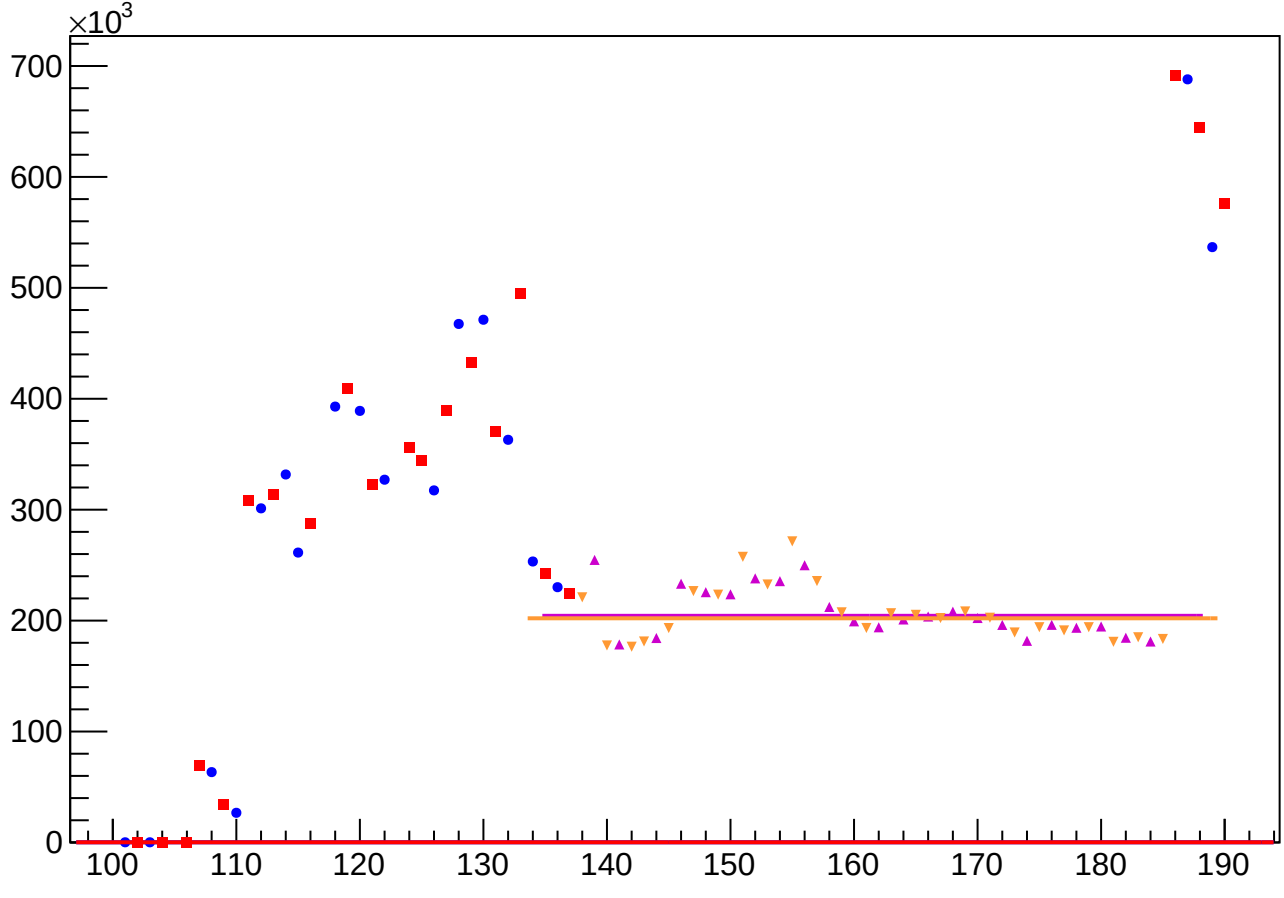
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 37.5/39

In: -0.035+/-0.172 χ^2/NDF:46.9/40

Out: 0.353+/-0.160 χ^2/NDF:98.5/46

All: 0.173+/-0.117 χ^2/NDF: 148.1/87



Right In: 149.129+/-0.122 χ^2/NDF: 12700646.1/17

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.446+/-0.113 χ^2/NDF: 14676053.8/20

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

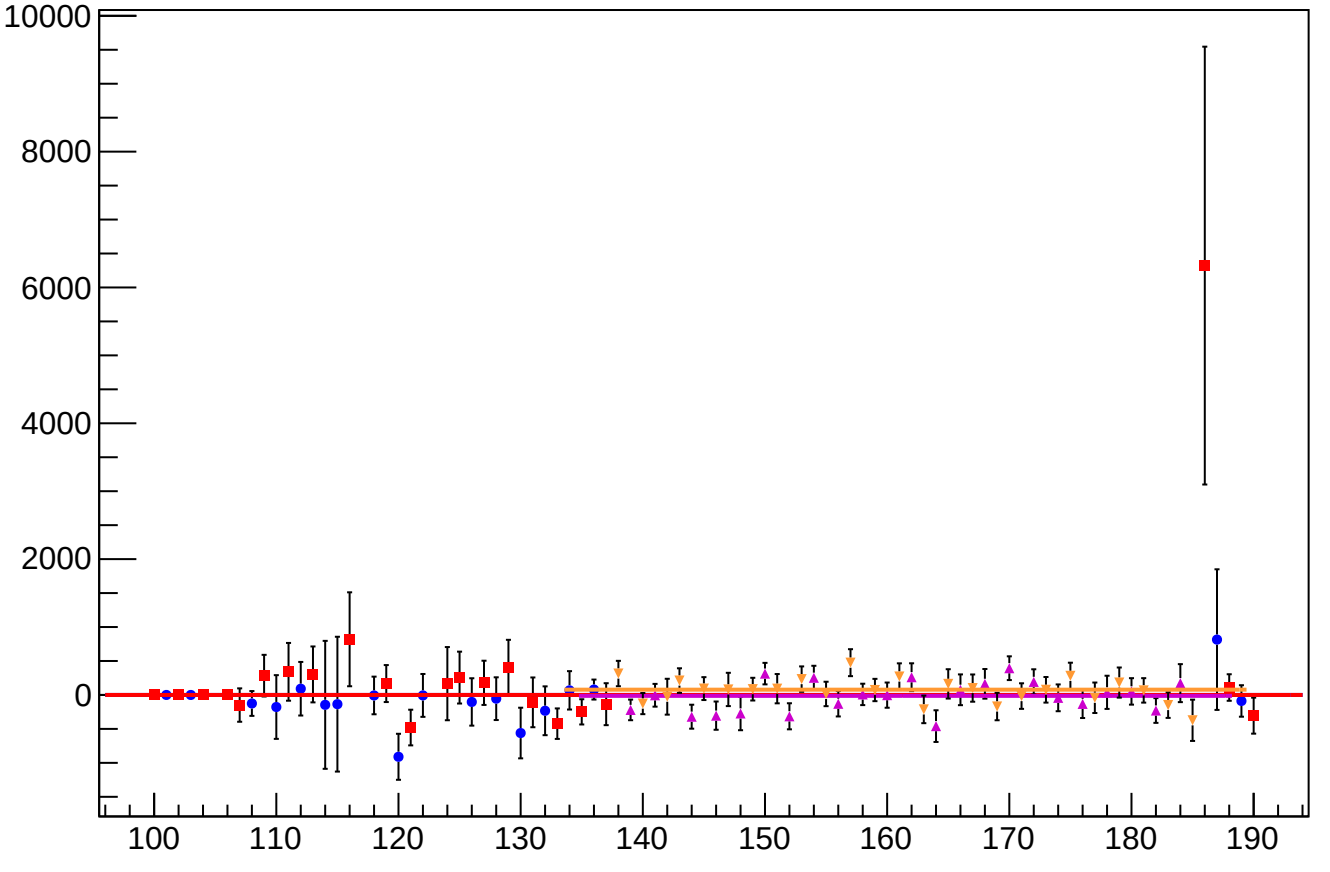
Right: 149.299+/-0.083 χ^2/NDF: 27376703.6/38

In: 151.754+/-0.122 χ^2/NDF:49203453.1/40

Out: 151.863+/-0.113 χ^2/NDF:53171865.5/45

All: 151.812+/-0.083 χ^2/NDF: 102375319.0/8

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 12.0/17

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 20.7/21

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

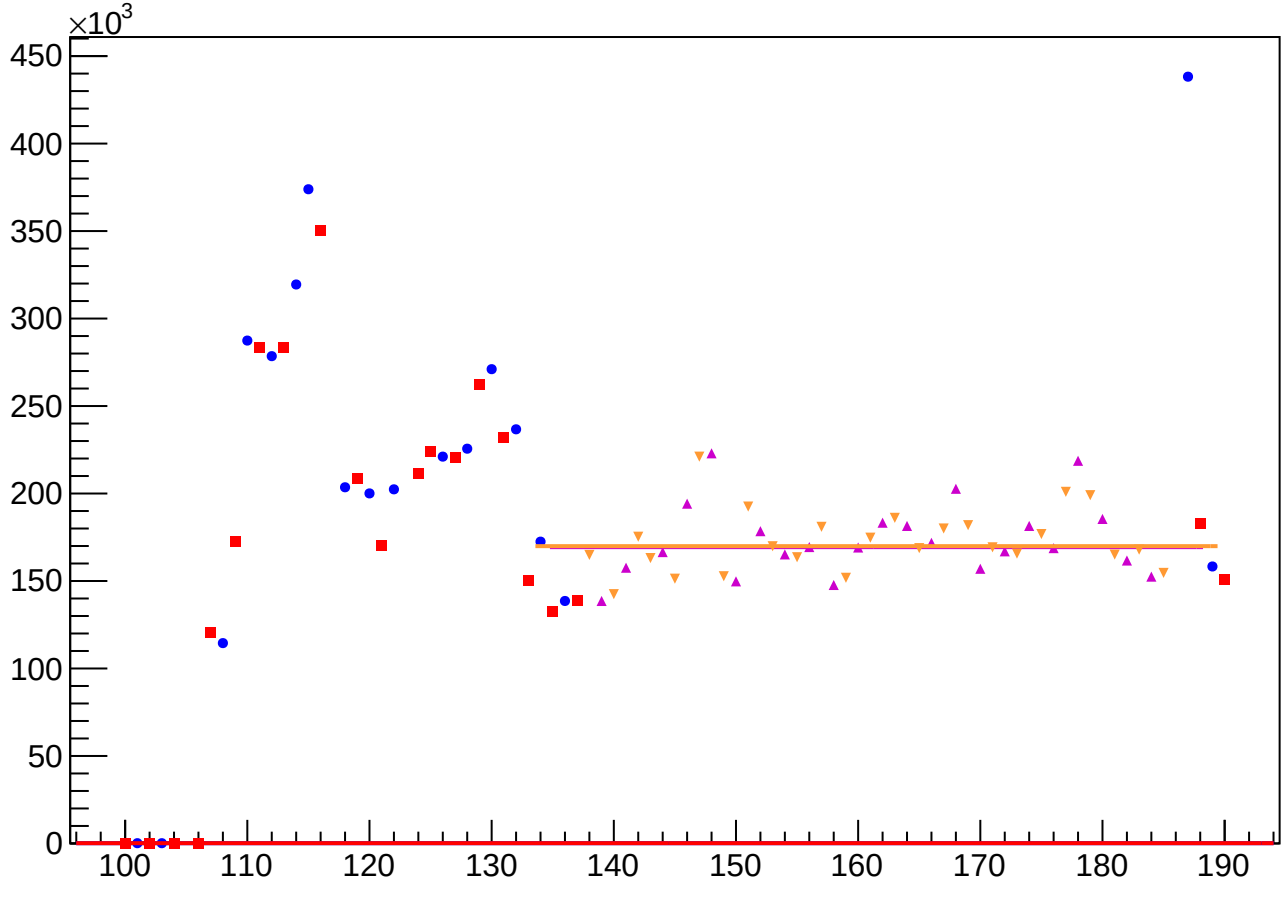
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 32.8/39

In: -0.068+/-0.177 χ^2/NDF:44.8/40

Out: -0.125+/-0.166 χ^2/NDF:43.8/46

All: -0.098+/-0.121 χ^2/NDF: 88.6/87



Right In: 153.565+/-0.125 χ^2/NDF: 13193380.7/17

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.350+/-0.118 χ^2/NDF: 13723701.3/20

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

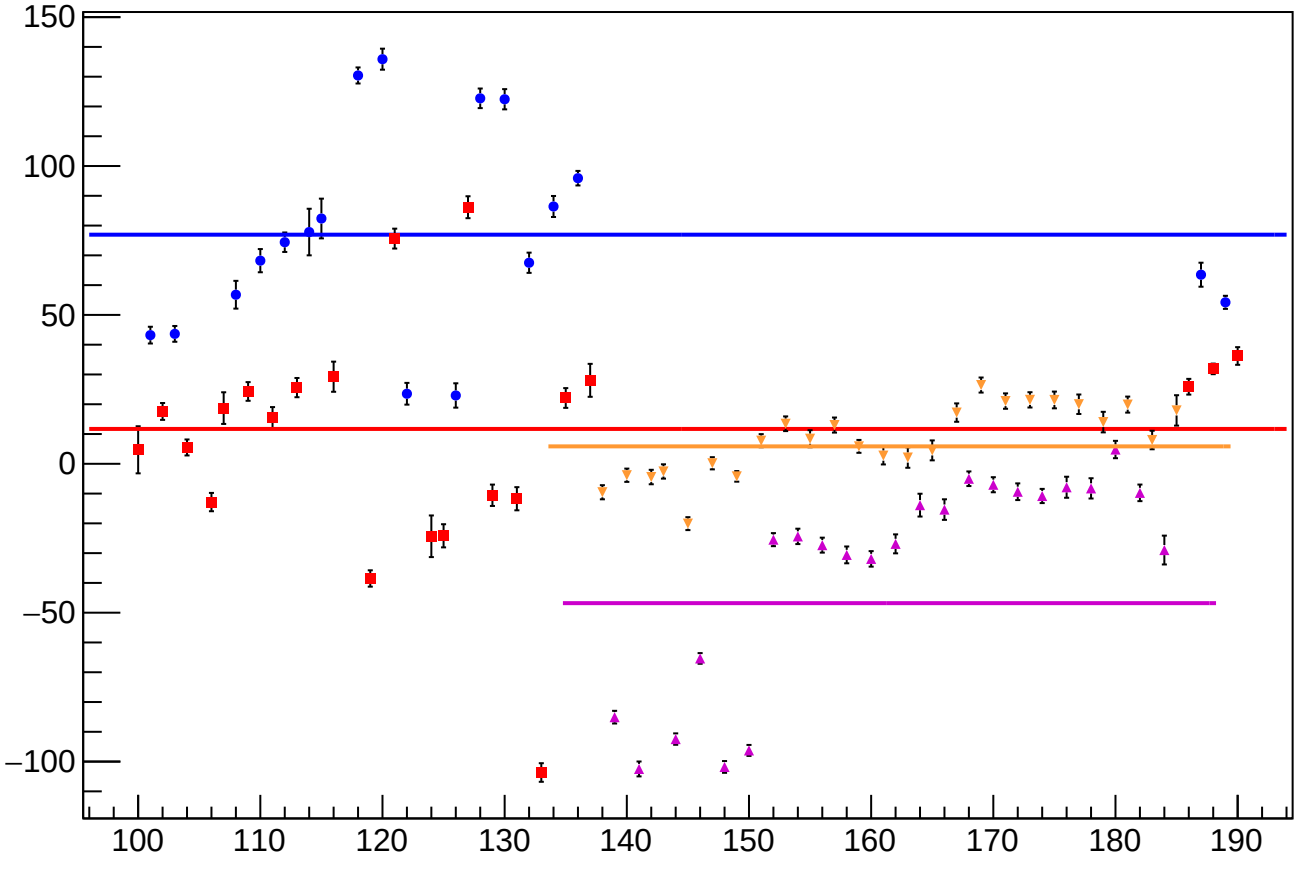
Right: 155.044+/-0.086 χ^2/NDF: 26917344.3/38

In: 156.899+/-0.125 χ^2/NDF:49579412.0/40

Out: 159.456+/-0.118 χ^2/NDF:52134627.6/45

All: 158.257+/-0.086 χ^2/NDF: 101714260.8/8

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 76.942+/-0.779 χ^2/NDF: 1954.2/17

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 11.709+/-0.697 χ^2/NDF: 3029.5/21

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

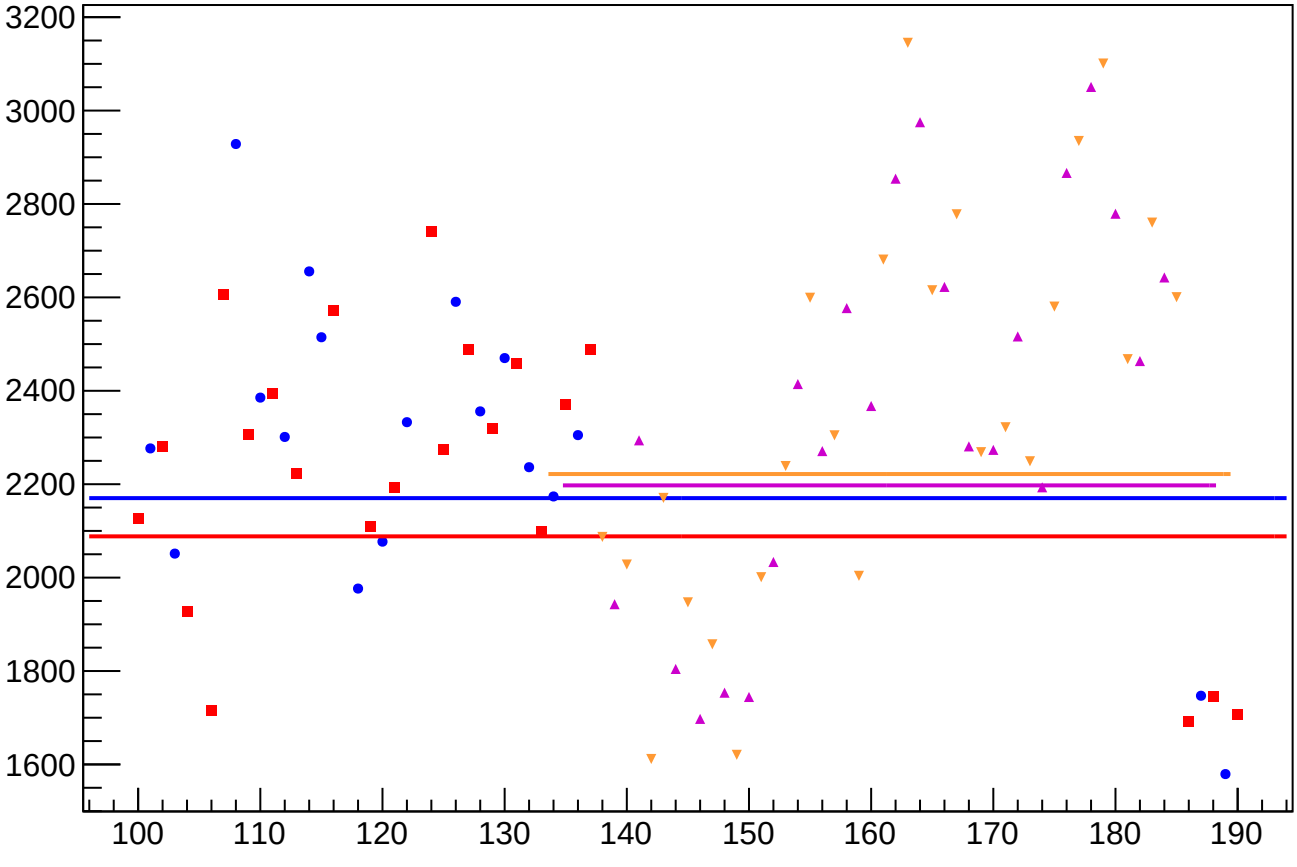
Right: 40.703+/-0.519 χ^2/NDF: 8879.8/39

In: -8.196+/-0.435 χ^2/NDF:24492.6/40

Out: 7.916+/-0.414 χ^2/NDF:3610.5/46

All: 0.267+/-0.300 χ^2/NDF: 28823.5/87

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2170.208+/-0.551 χ^2/NDF: 314496.9/17

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2088.335+/-0.493 χ^2/NDF: 362317.2/21

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

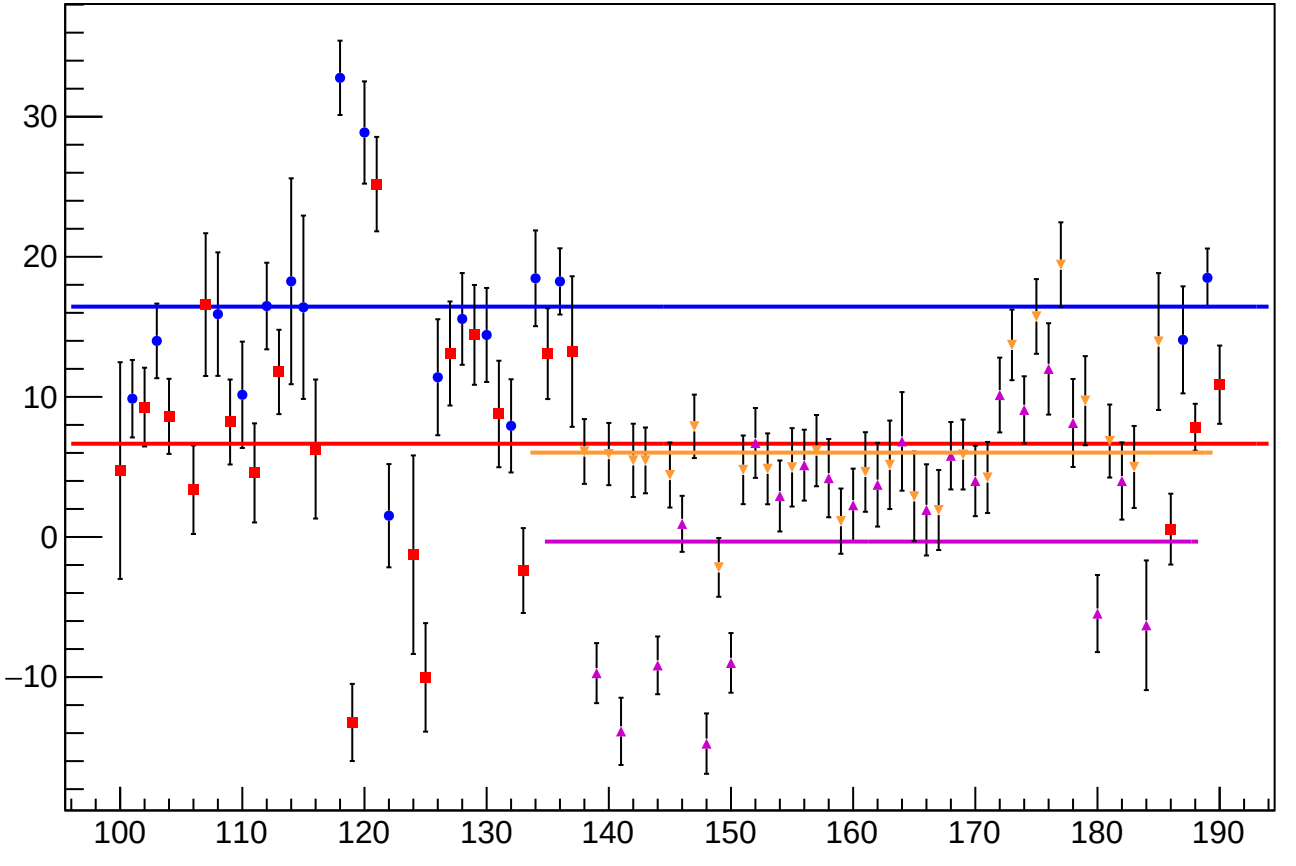
Right: 2124.725+/-0.367 χ^2/NDF: 689089.0/39

In: 2188.966+/-0.308 χ^2/NDF:1420846.1/40

Out: 2174.746+/-0.292 χ^2/NDF:1593864.8/46

All: 2181.497+/-0.212 χ^2/NDF: 3015833.4/87

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.442+/-0.762 χ^2/NDF: 86.0/17

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 6.657+/-0.679 χ^2/NDF: 143.1/21

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

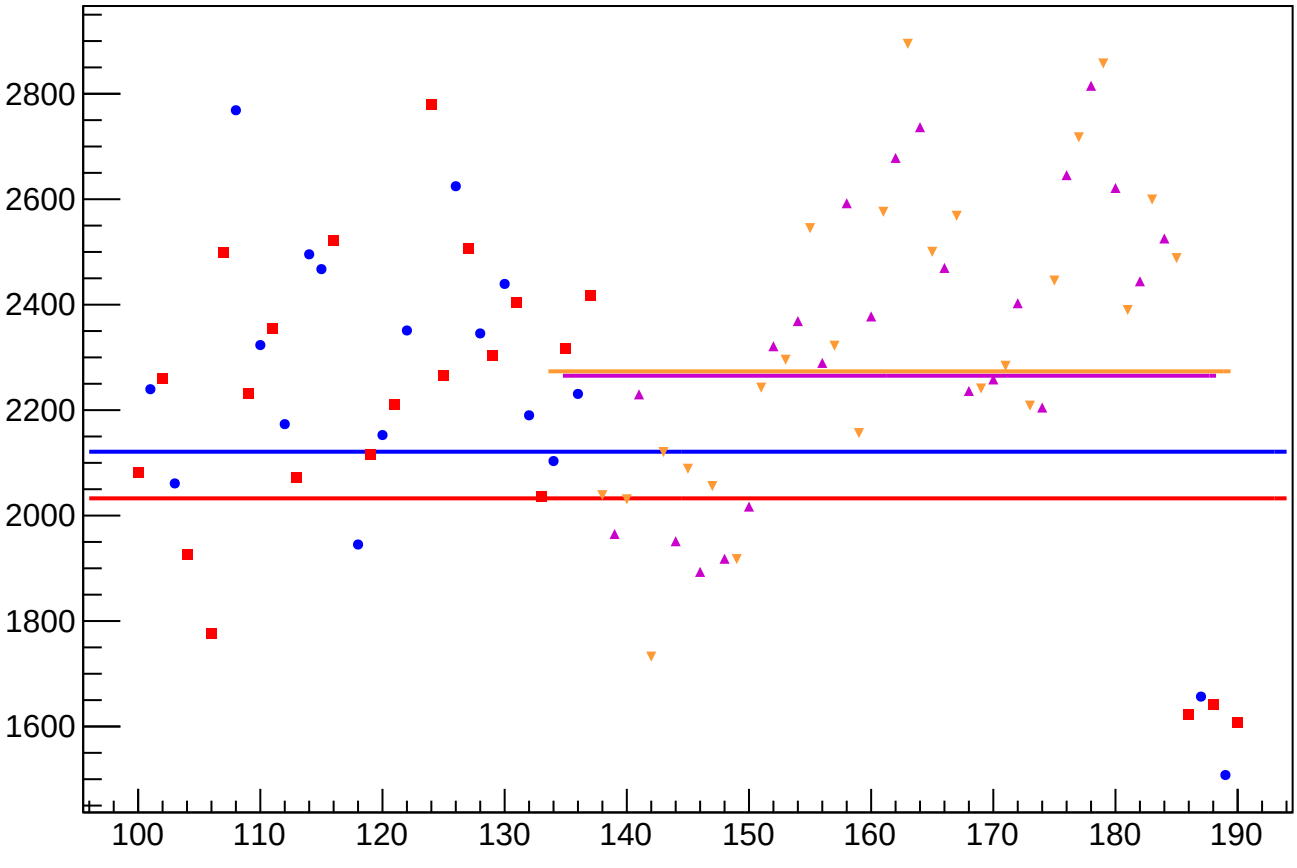
Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

Right: 10.989+/-0.507 χ^2/NDF: 321.0/39

In: 5.204+/-0.438 χ^2/NDF:635.5/40

Out: 6.257+/-0.413 χ^2/NDF:215.4/46

All: 5.761+/-0.300 χ^2/NDF: 854.0/87



Right In: 2121.111+/-0.539 χ^2/NDF: 345409.8/17

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2032.682+/-0.480 χ^2/NDF: 425117.3/21

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

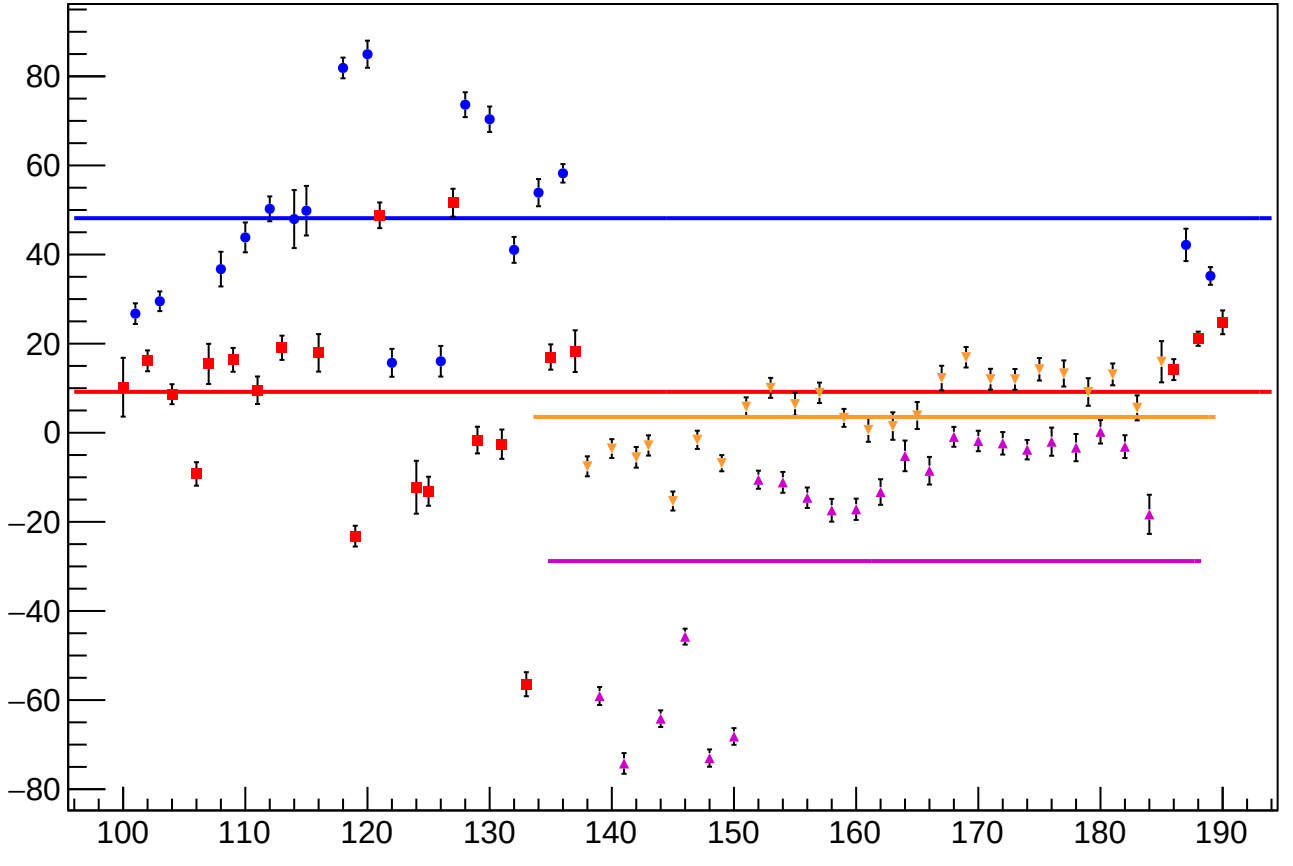
Right: 2071.833+/-0.358 χ^2/NDF: 785540.8/39

In: 2217.705+/-0.309 χ^2/NDF:889197.3/40

Out: 2184.386+/-0.292 χ^2/NDF:1120457.5/46

All: 2200.094+/-0.212 χ^2/NDF: 2015783.3/87

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 48.158+/-0.667 χ^2/NDF: 940.9/17

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 9.181+/-0.599 χ^2/NDF: 1434.8/21

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

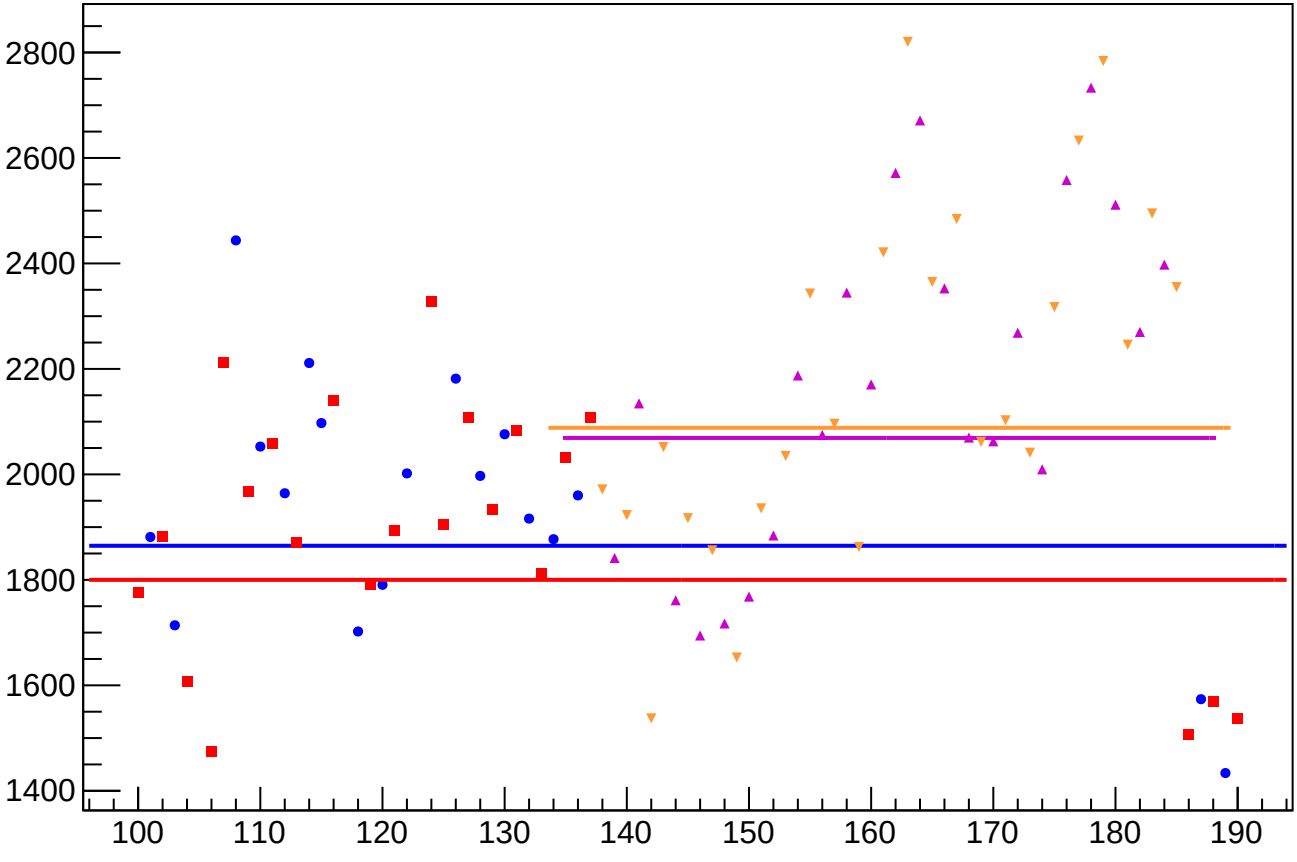
Right: 26.575+/-0.446 χ^2/NDF: 4265.2/39

In: -1.780+/-0.395 χ^2/NDF:12835.8/40

Out: 5.750+/-0.375 χ^2/NDF:1808.5/46

All: 2.187+/-0.272 χ^2/NDF: 14835.4/87

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1864.645+/-0.472 χ^2/NDF: 230481.9/17

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1800.035+/-0.424 χ^2/NDF: 273553.5/21

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

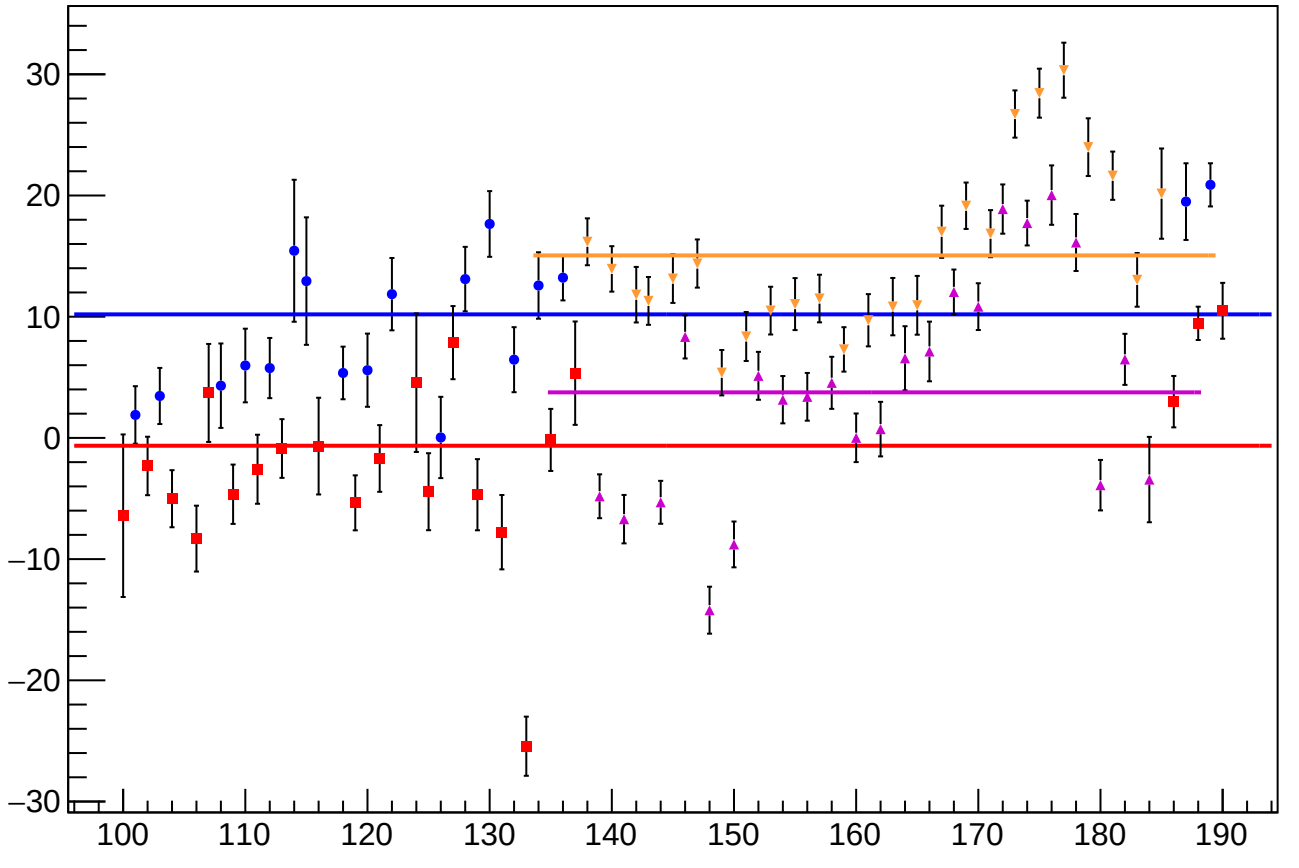
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1828.868+/-0.315 χ^2/NDF: 514419.1/39

In: 1997.318+/-0.280 χ^2/NDF:1063843.0/40

Out: 1975.532+/-0.265 χ^2/NDF:1343023.3/46

All: 1985.840+/-0.192 χ^2/NDF: 2410065.2/87



Right In: 10.193+/-0.626 χ^2/NDF: 105.3/17

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.645+/-0.559 χ^2/NDF: 224.3/21

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

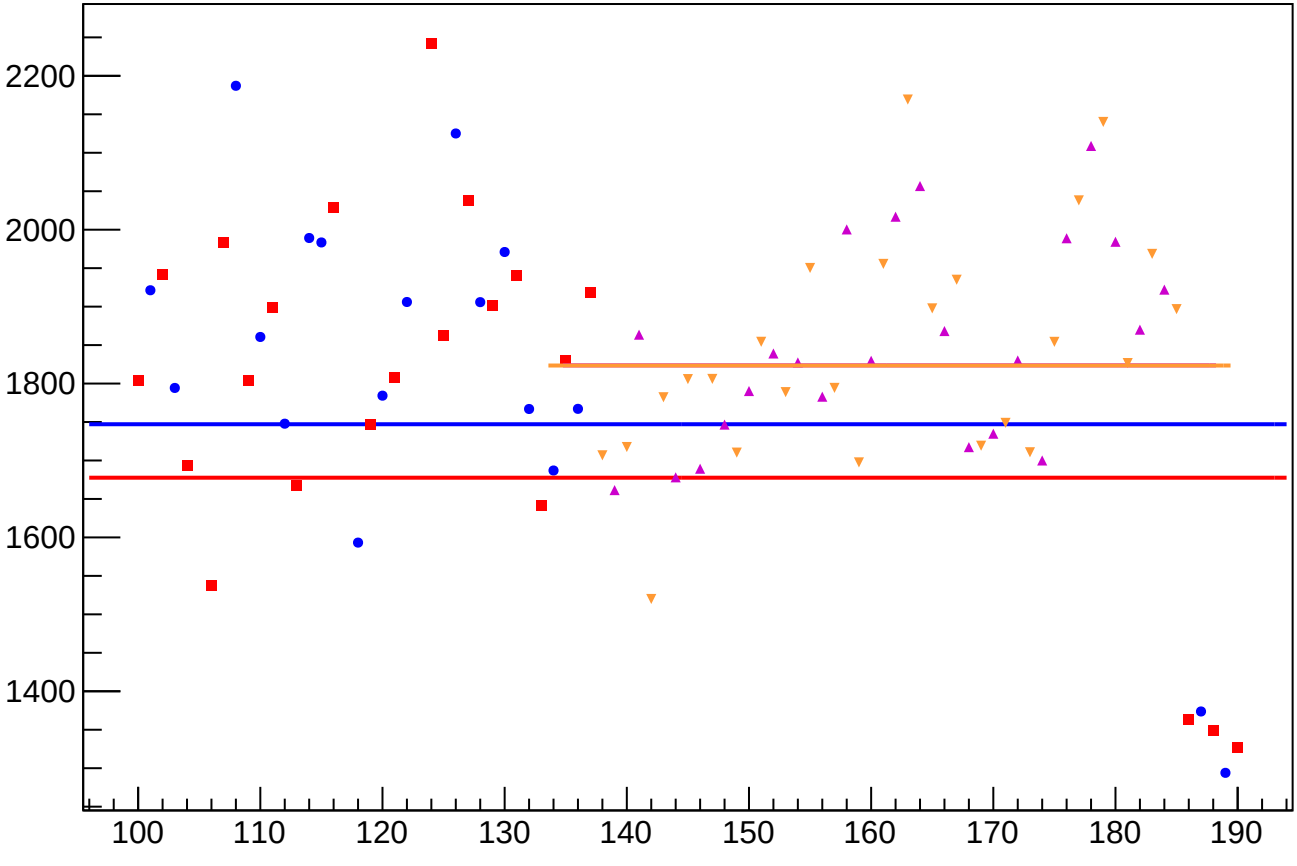
Right: 4.169+/-0.417 χ^2/NDF: 496.4/39

In: 5.809+/-0.353 χ^2/NDF:636.4/40

Out: 9.468+/-0.334 χ^2/NDF:978.3/46

All: 7.742+/-0.243 χ^2/NDF: 1671.4/87

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1747.122+/-0.442 χ^2/NDF: 274721.7/17

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1677.620+/-0.395 χ^2/NDF: 380188.1/21

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

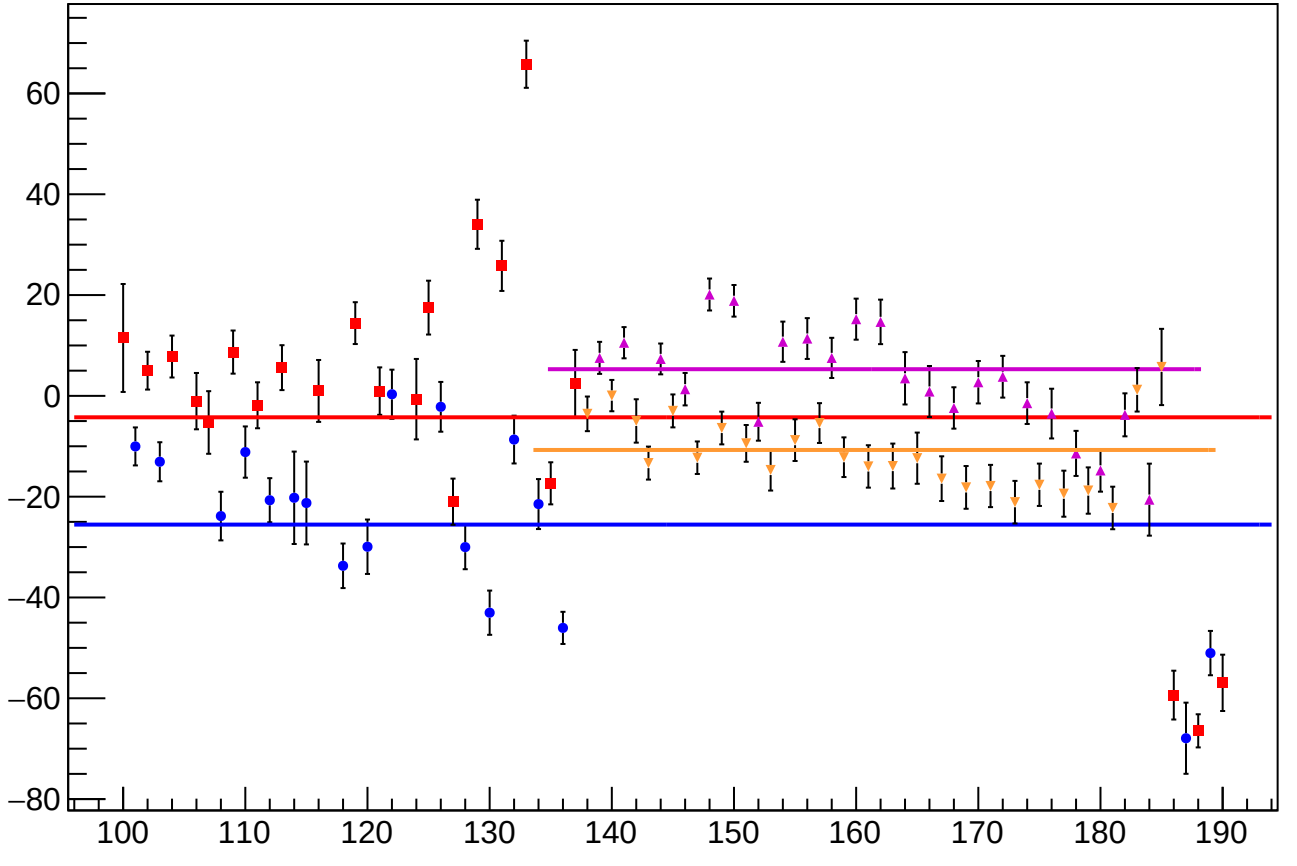
Right: 1708.493+/-0.295 χ^2/NDF: 668632.1/39

In: 1799.246+/-0.250 χ^2/NDF:458871.8/40

Out: 1771.551+/-0.236 χ^2/NDF:679065.2/46

All: 1784.612+/-0.171 χ^2/NDF: 1144436.9/87

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -25.541+/-1.101 χ^2/NDF: 233.1/17

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -4.253+/-1.025 χ^2/NDF: 993.4/21

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

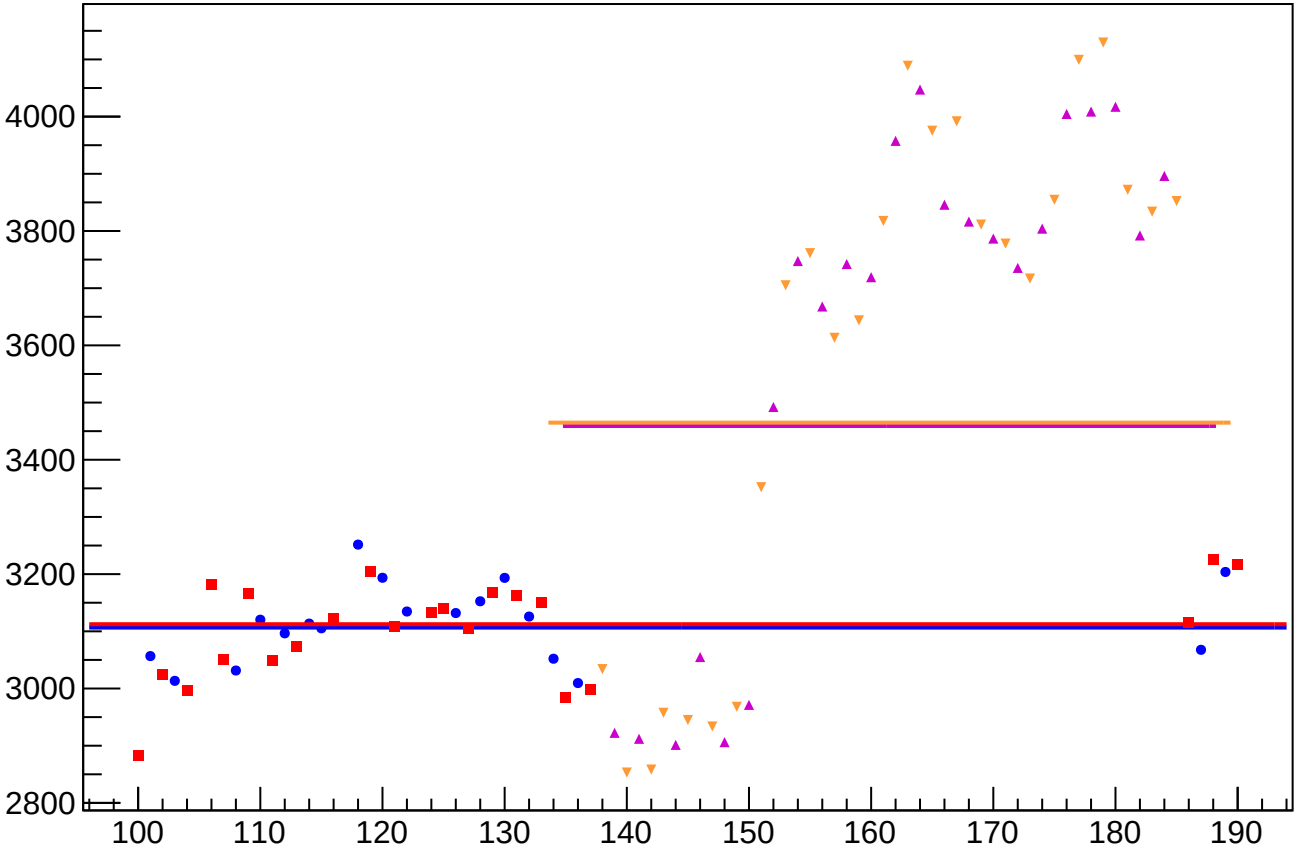
Right: -14.139+/-0.750 χ^2/NDF: 1426.9/39

In: -5.615+/-0.655 χ^2/NDF:873.8/40

Out: -8.303+/-0.628 χ^2/NDF:1092.2/46

All: -7.016+/-0.453 χ^2/NDF: 1974.8/87

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3106.577+/-0.778 χ^2/NDF: 8980.2/17

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3112.431+/-0.725 χ^2/NDF: 12141.7/21

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

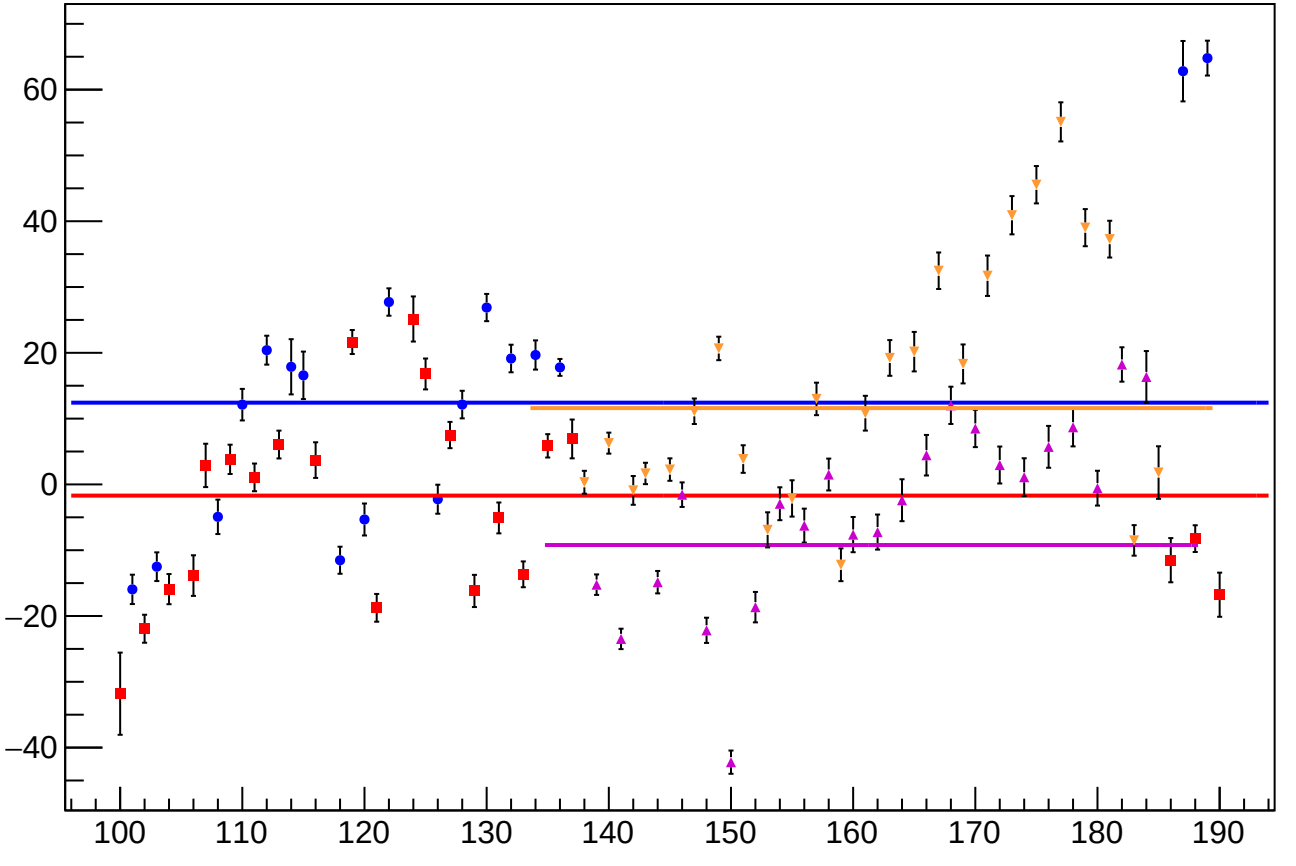
Right: 3109.712+/-0.530 χ^2/NDF: 21152.2/39

In: 3334.372+/-0.463 χ^2/NDF:724835.7/40

Out: 3332.744+/-0.444 χ^2/NDF:804017.4/46

All: 3333.524+/-0.320 χ^2/NDF: 1528859.6/87

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 12.425+/-0.527 χ^2/NDF: 1237.9/17

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -1.701+/-0.505 χ^2/NDF: 709.0/21

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

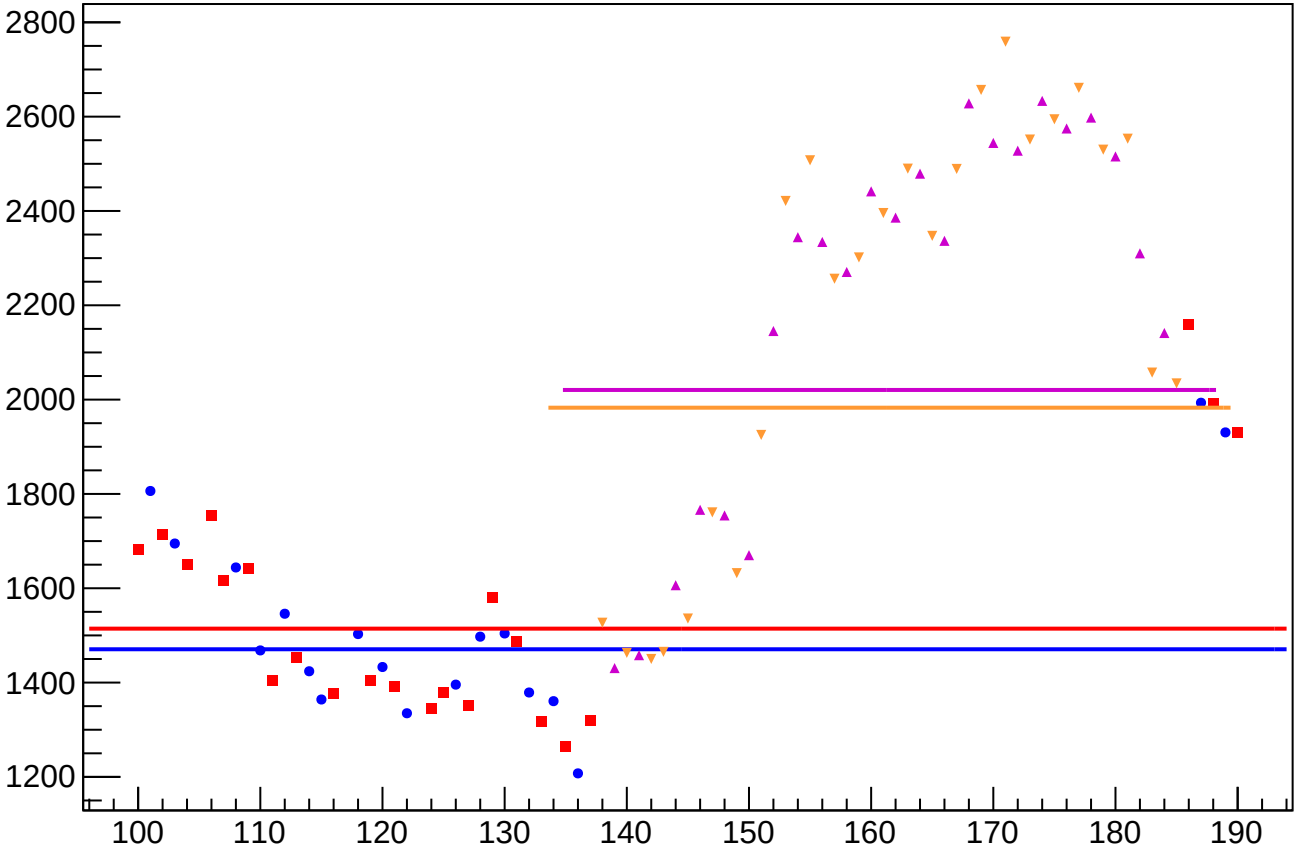
Right: 5.059+/-0.364 χ^2/NDF: 2321.8/39

In: 0.686+/-0.356 χ^2/NDF:3093.6/40

Out: 5.516+/-0.341 χ^2/NDF:2282.7/46

All: 3.205+/-0.247 χ^2/NDF: 5472.1/87

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1470.635+/-0.373 χ^2/NDF: 271053.5/17

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1514.362+/-0.357 χ^2/NDF: 383157.8/21

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

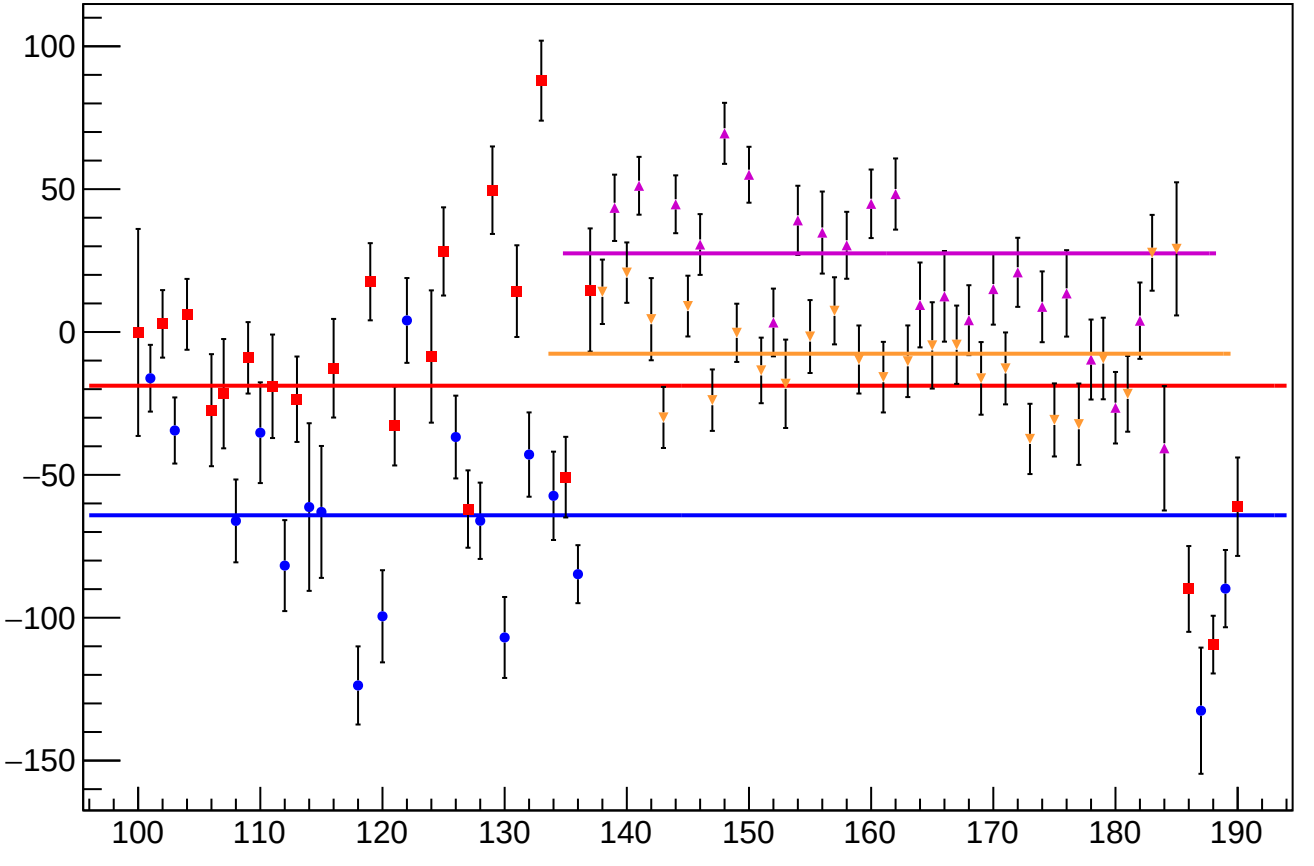
Right: 1493.435+/-0.258 χ^2/NDF: 661394.8/39

In: 1768.924+/-0.252 χ^2/NDF:3067491.0/40

Out: 1768.578+/-0.241 χ^2/NDF:3295832.8/46

All: 1768.744+/-0.174 χ^2/NDF: 6363324.8/87

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -64.145+/-3.433 χ^2/NDF: 104.5/17

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -18.794+/-3.206 χ^2/NDF: 235.6/21

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

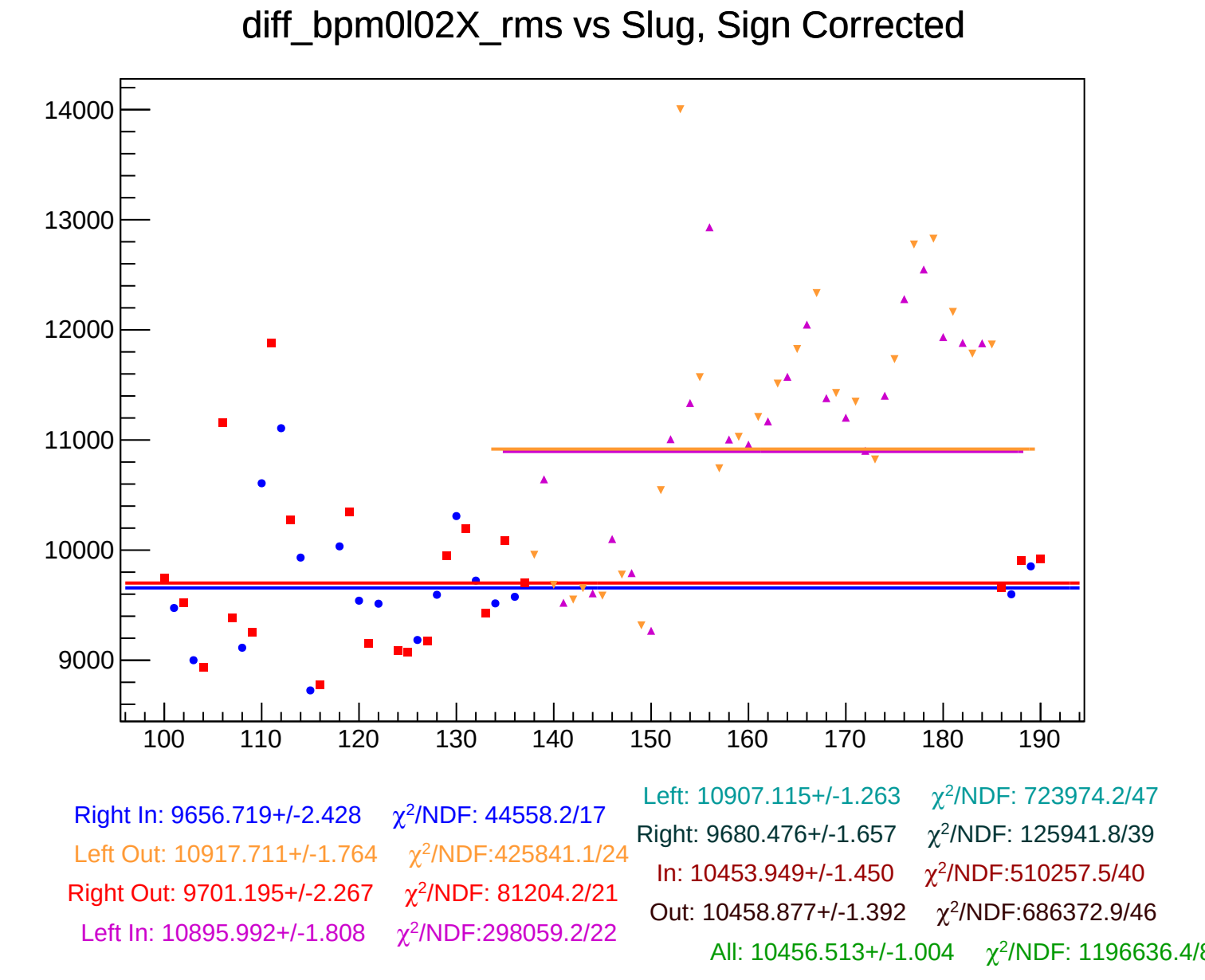
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -39.921+/-2.343 χ^2/NDF: 433.3/39

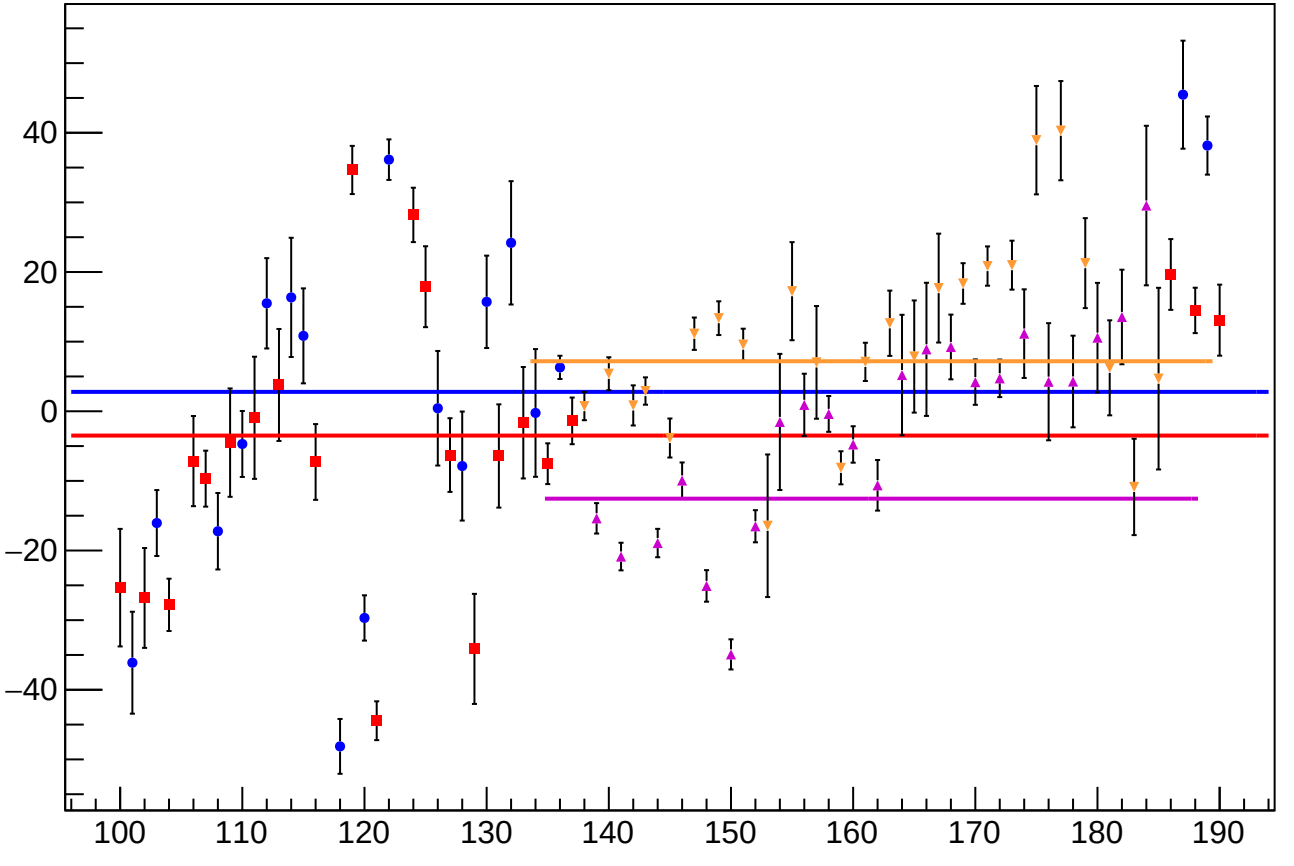
In: -5.172+/-2.050 χ^2/NDF:656.2/40

Out: -11.818+/-1.969 χ^2/NDF:291.1/46

All: -8.629+/-1.420 χ^2/NDF: 952.8/87


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
190
Right In: 9656.719+/-2.428 χ²/NDF: 44558.2/17
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9701.195+/-2.267 χ²/NDF: 81204.2/21
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9680.476+/-1.657 χ²/NDF: 125941.8/39
In: 10453.949+/-1.450 χ²/NDF:510257.5/40
Out: 10458.877+/-1.392 χ²/NDF:686372.9/46
All: 10456.513+/-1.004 χ²/NDF: 1196636.4/8

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 2.786+/-1.006 χ^2/NDF: 583.9/17

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -3.491+/-0.981 χ^2/NDF: 559.3/21

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

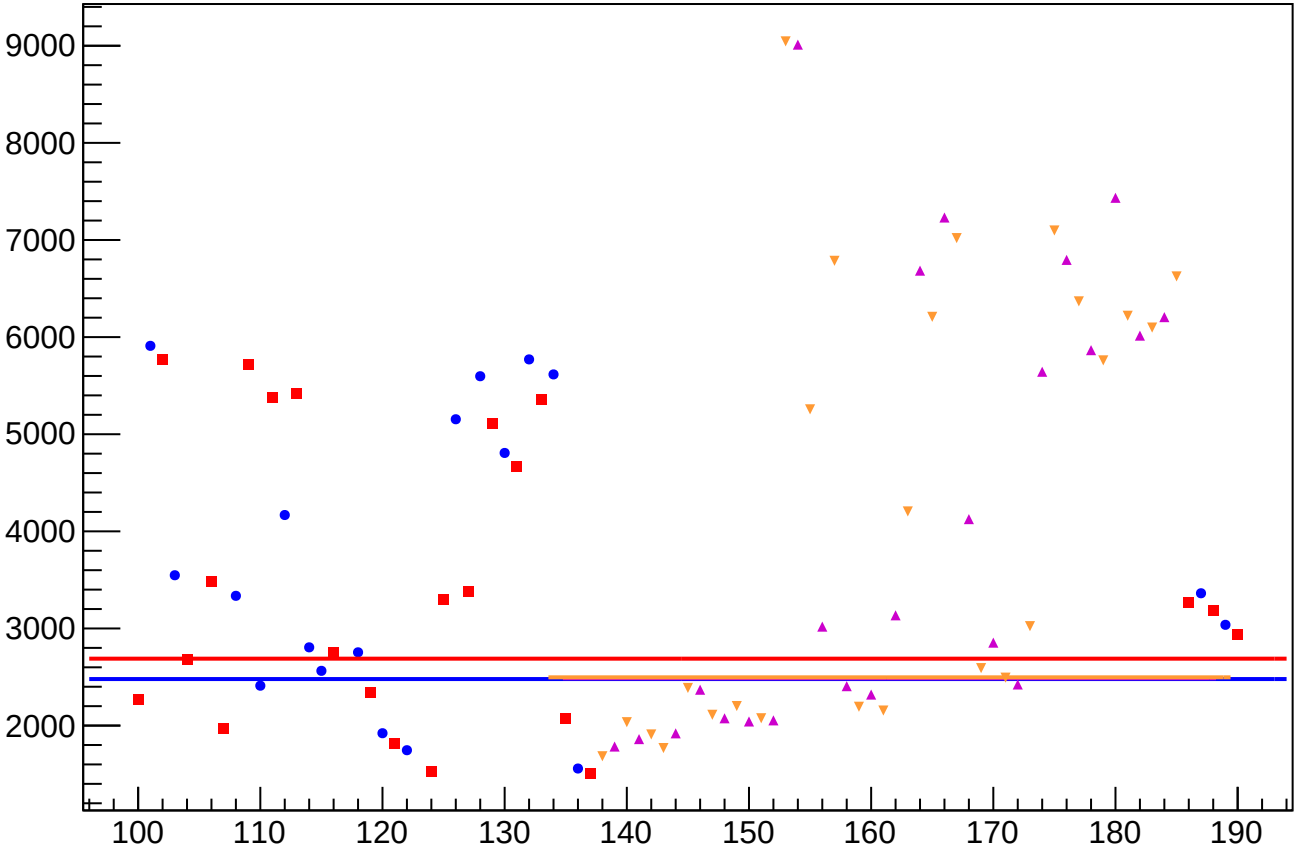
Right: -0.429+/-0.702 χ^2/NDF: 1163.2/39

In: -7.929+/-0.552 χ^2/NDF:1118.6/40

Out: 3.904+/-0.544 χ^2/NDF:843.0/46

All: -1.925+/-0.387 χ^2/NDF: 2194.6/87

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2479.110+/-0.711 χ^2/NDF: 2881794.8/17

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2689.037+/-0.694 χ^2/NDF: 2606444.5/21

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

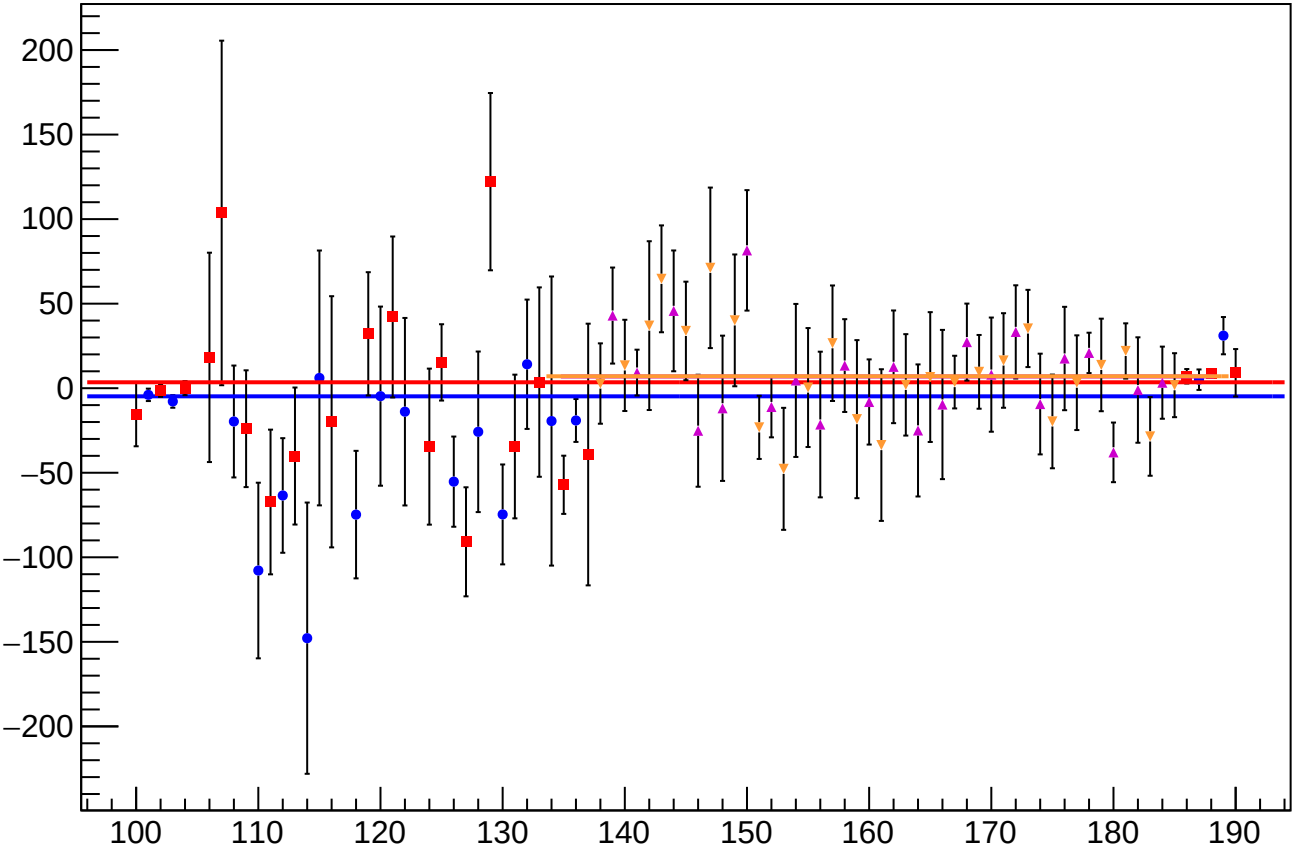
Right: 2586.645+/-0.497 χ^2/NDF: 5532894.6/39

In: 2485.125+/-0.390 χ^2/NDF:8985363.7/40

Out: 2555.889+/-0.385 χ^2/NDF:9865447.5/46

All: 2521.030+/-0.274 χ^2/NDF: 18867484.0/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.807+/-2.261 χ^2/NDF: 38.7/17

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.504+/-1.739 χ^2/NDF: 43.0/21

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

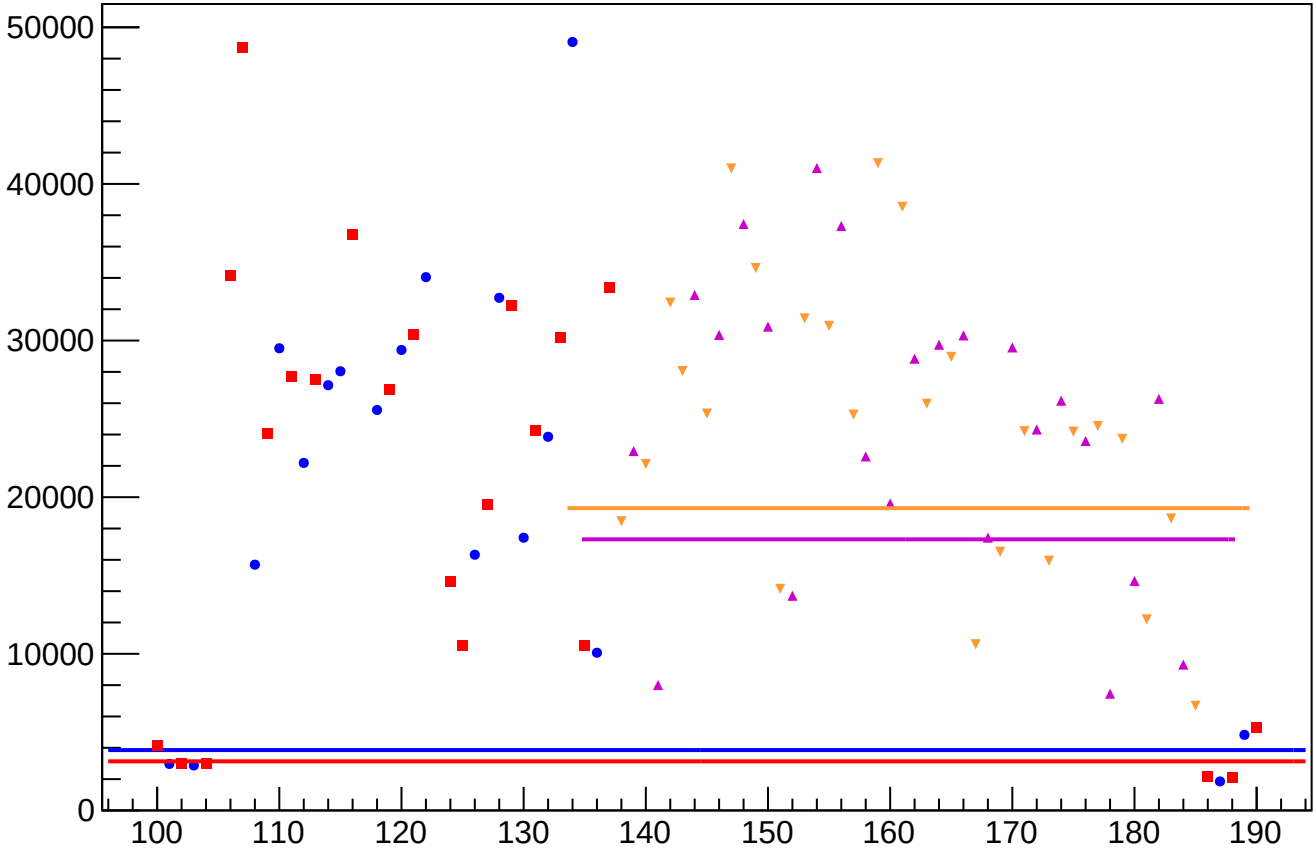
Right: 0.415+/-1.378 χ^2/NDF: 90.1/39

In: -2.871+/-2.066 χ^2/NDF:64.2/40

Out: 3.858+/-1.650 χ^2/NDF:63.0/46

All: 1.238+/-1.289 χ^2/NDF: 133.7/87

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 3854.513+/-1.599 χ^2/NDF: 7098355.5/17

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3135.877+/-1.230 χ^2/NDF: 8476657.0/21

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

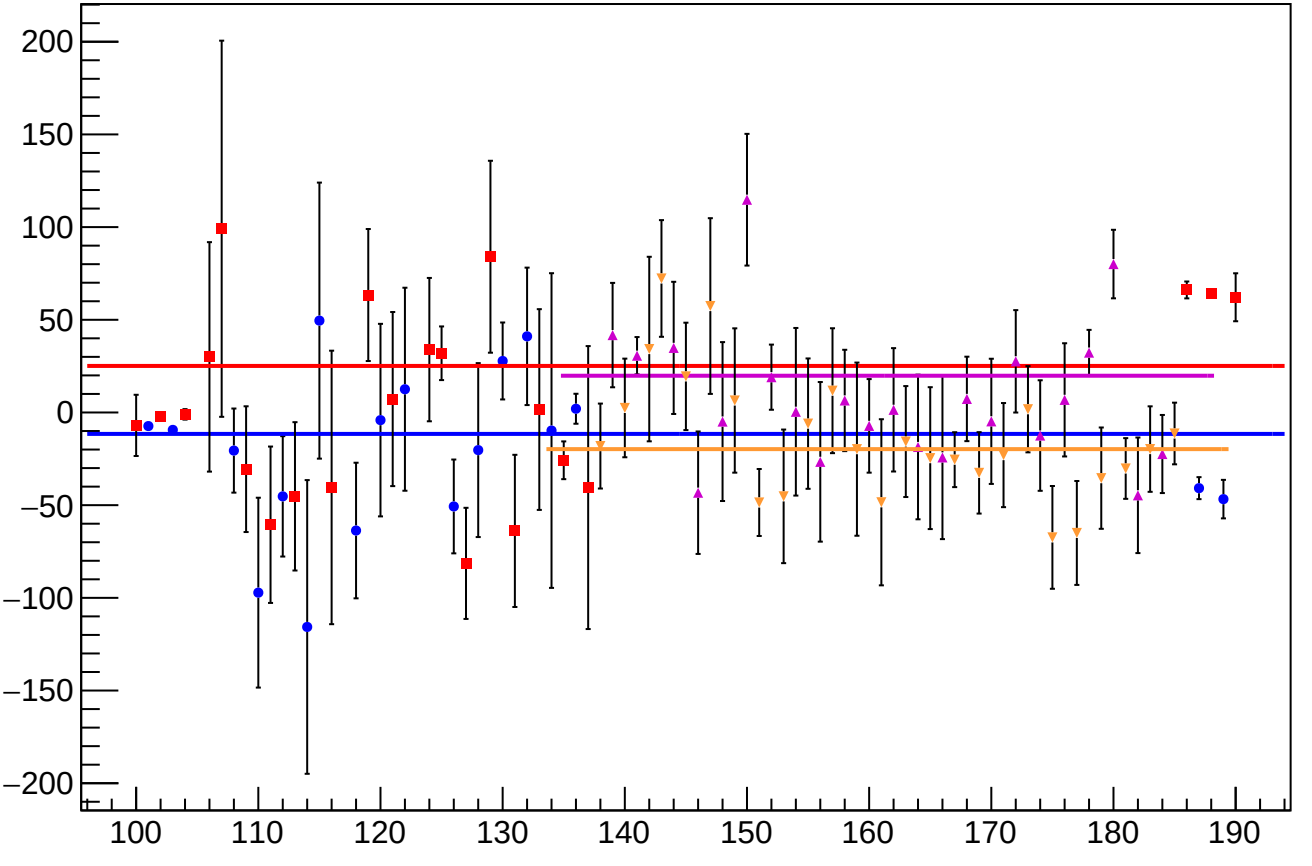
Right: 3402.989+/-0.975 χ^2/NDF: 15701960.3/39

In: 6071.439+/-1.461 χ^2/NDF:25487952.8/40

Out: 4746.415+/-1.167 χ^2/NDF:30729514.1/46

All: 5262.367+/-0.912 χ^2/NDF: 56719624.9/8

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -11.559+/-1.632 χ^2/NDF: 58.9/17

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 25.110+/-1.398 χ^2/NDF: 584.7/21

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

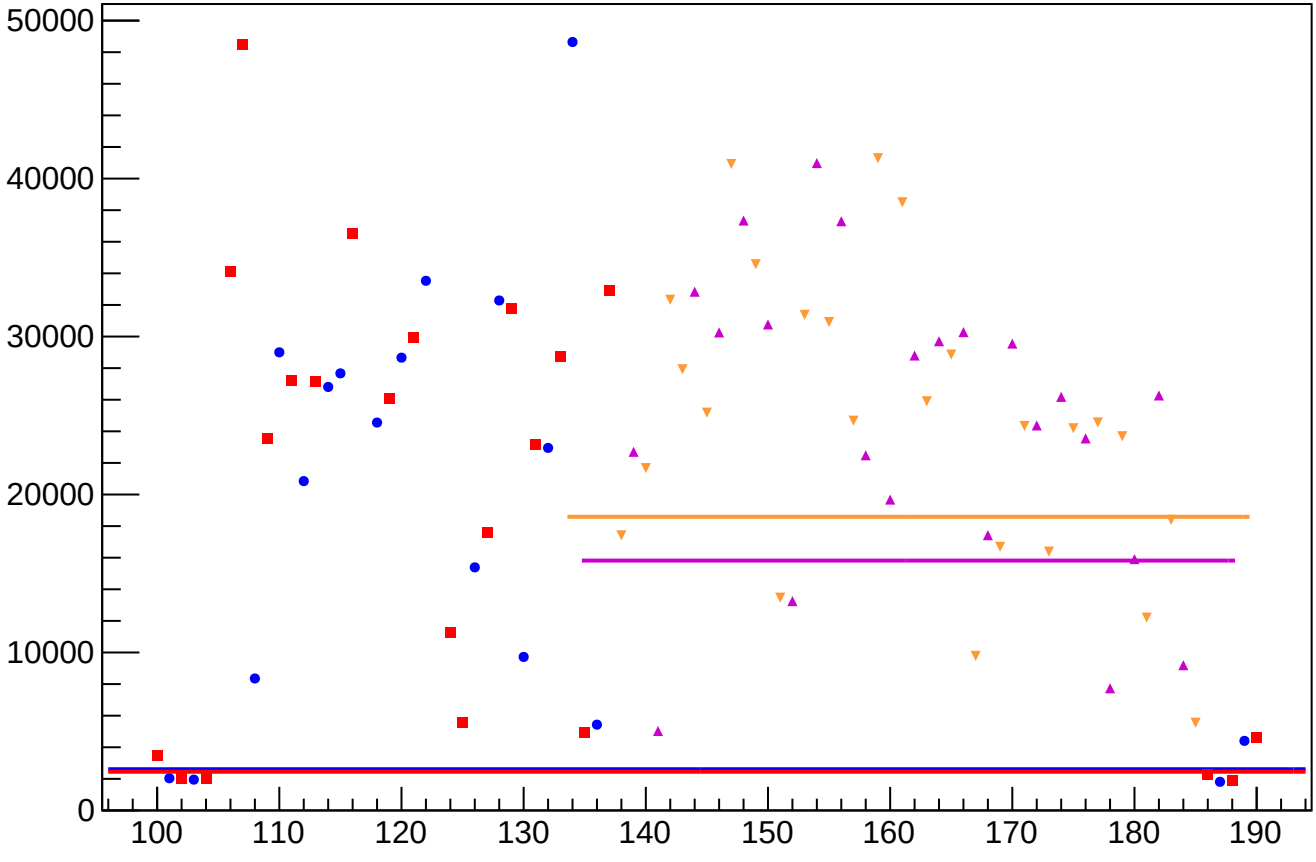
Right: 9.592+/-1.062 χ^2/NDF: 934.9/39

In: -8.363+/-1.546 χ^2/NDF:136.8/40

Out: 21.994+/-1.348 χ^2/NDF:684.1/46

All: 8.884+/-1.016 χ^2/NDF: 1039.8/87

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2608.721+/-1.154 χ^2/NDF: 6876910.4/17

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2450.597+/-0.988 χ^2/NDF: 8195030.6/21

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

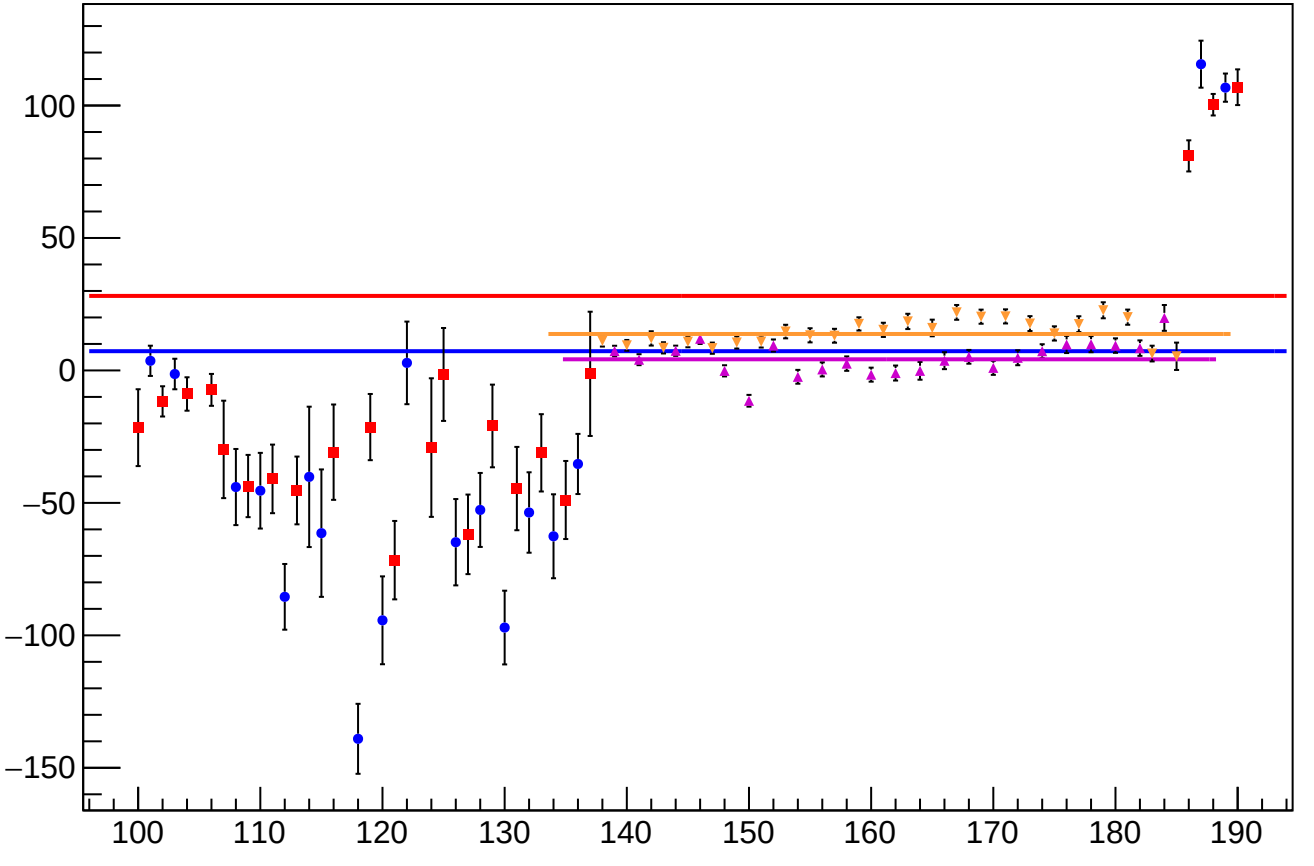
Right: 2517.514+/-0.751 χ^2/NDF: 15082773.8/39

In: 3954.086+/-1.093 χ^2/NDF:28631915.4/40

Out: 3571.187+/-0.953 χ^2/NDF:32408647.6/46

All: 3736.549+/-0.719 χ^2/NDF: 61110223.1/8

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 7.266+/-2.413 χ^2/NDF: 898.3/17

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 28.131+/-1.945 χ^2/NDF: 963.2/21

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

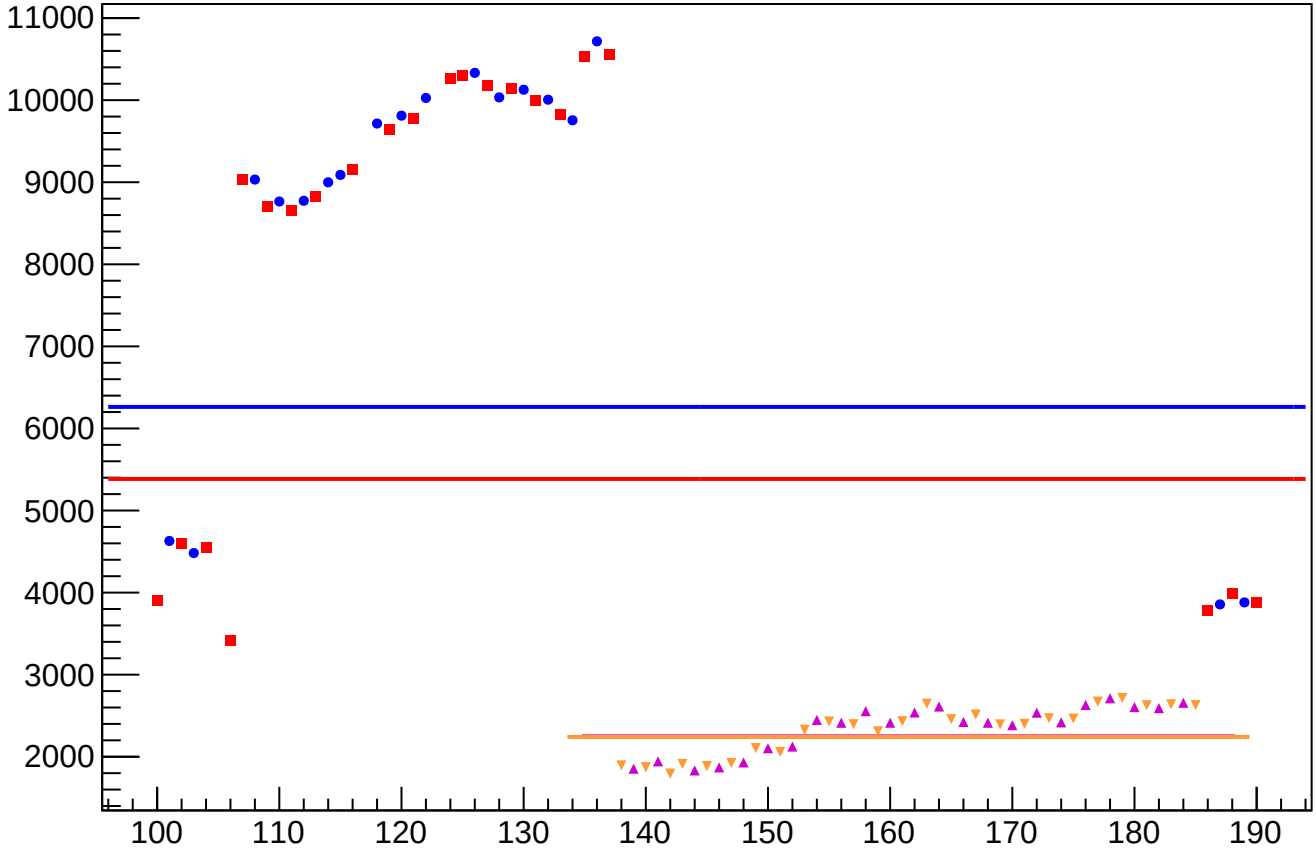
Right: 19.914+/-1.514 χ^2/NDF: 1906.9/39

In: 4.343+/-0.518 χ^2/NDF:1023.8/40

Out: 14.699+/-0.497 χ^2/NDF:1091.5/46

All: 9.733+/-0.359 χ^2/NDF: 2323.5/87

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 6262.489+/-1.706 χ^2/NDF: 2464949.1/17

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 5385.053+/-1.375 χ^2/NDF: 3114883.8/21

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

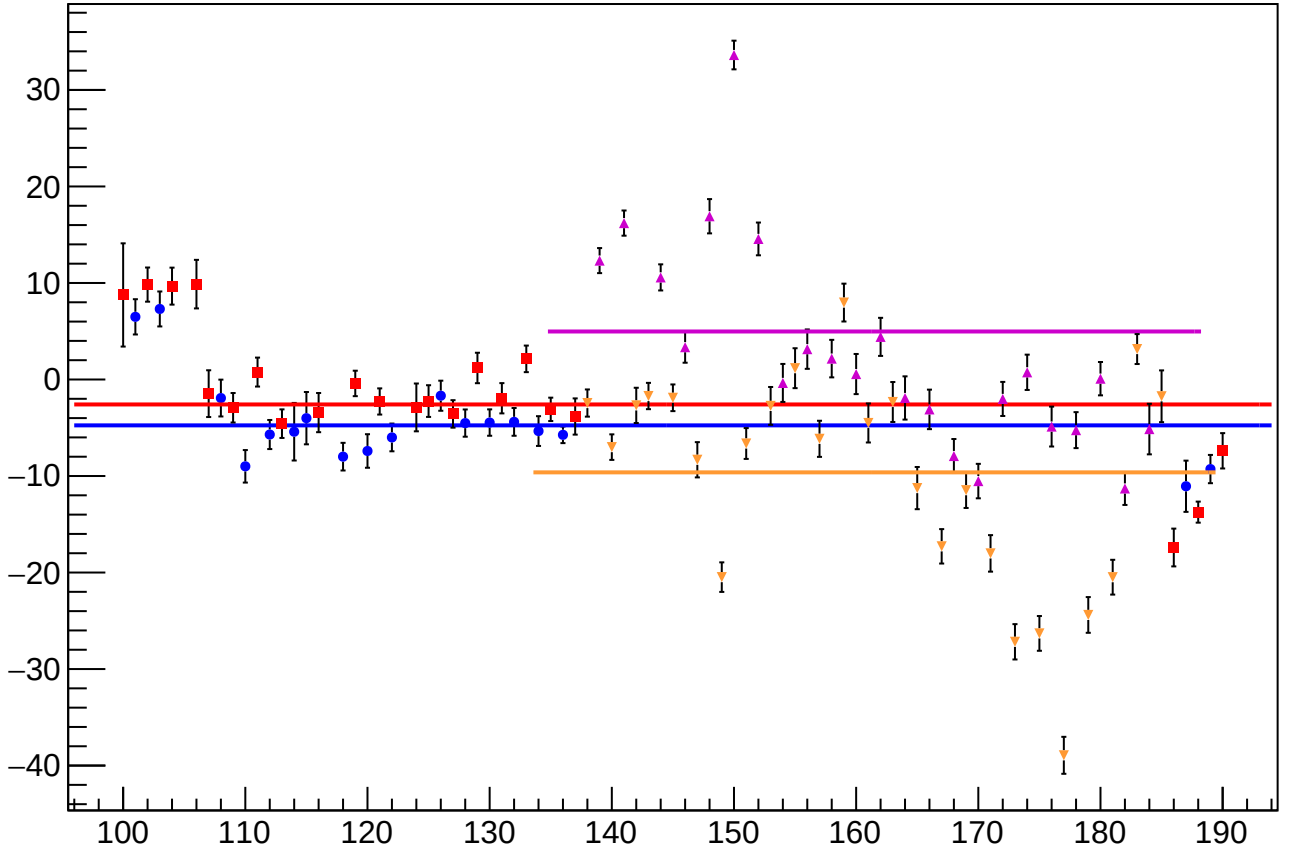
Right: 5730.595+/-1.071 χ^2/NDF: 5740176.2/39

In: 2433.396+/-0.366 χ^2/NDF:8387687.5/40

Out: 2447.553+/-0.351 χ^2/NDF:8654981.8/46

All: 2440.764+/-0.254 χ^2/NDF: 17043447.6/8

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.753+/-0.364 χ^2/NDF: 120.2/17

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.585+/-0.346 χ^2/NDF: 316.9/21

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

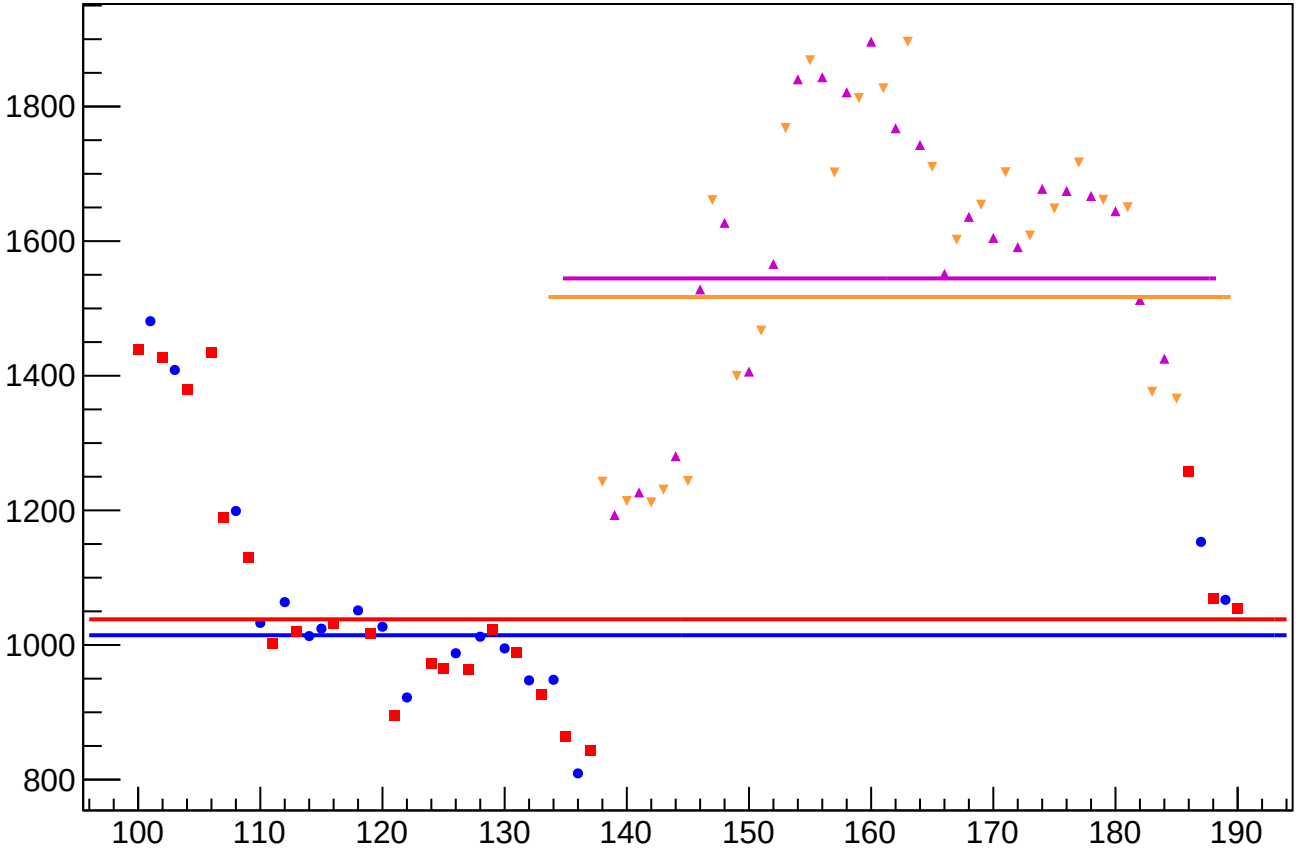
Right: -3.612+/-0.251 χ^2/NDF: 455.7/39

In: 0.104+/-0.258 χ^2/NDF:1406.3/40

Out: -6.068+/-0.246 χ^2/NDF:1456.4/46

All: -3.130+/-0.178 χ^2/NDF: 3163.3/87

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1014.492+/-0.257 χ^2/NDF: 387444.2/17

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1038.164+/-0.244 χ^2/NDF: 375268.1/21

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

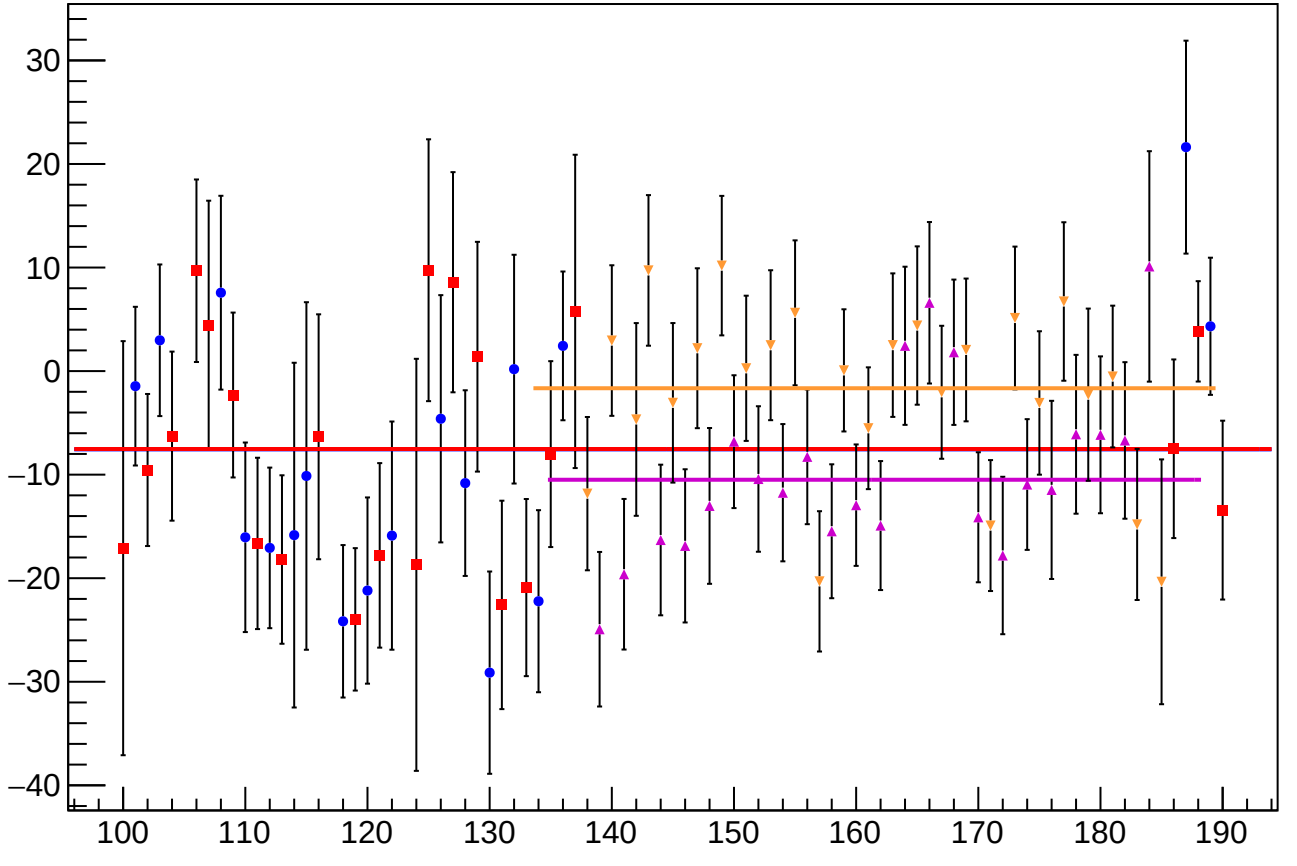
Right: 1026.946+/-0.177 χ^2/NDF: 767159.7/39

In: 1279.192+/-0.182 χ^2/NDF:3142953.4/40

Out: 1275.145+/-0.174 χ^2/NDF:3108827.6/46

All: 1277.072+/-0.126 χ^2/NDF: 6252039.6/87

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -7.560+/-2.110 χ^2/NDF: 37.5/17

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -7.523+/-1.897 χ^2/NDF: 32.1/21

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

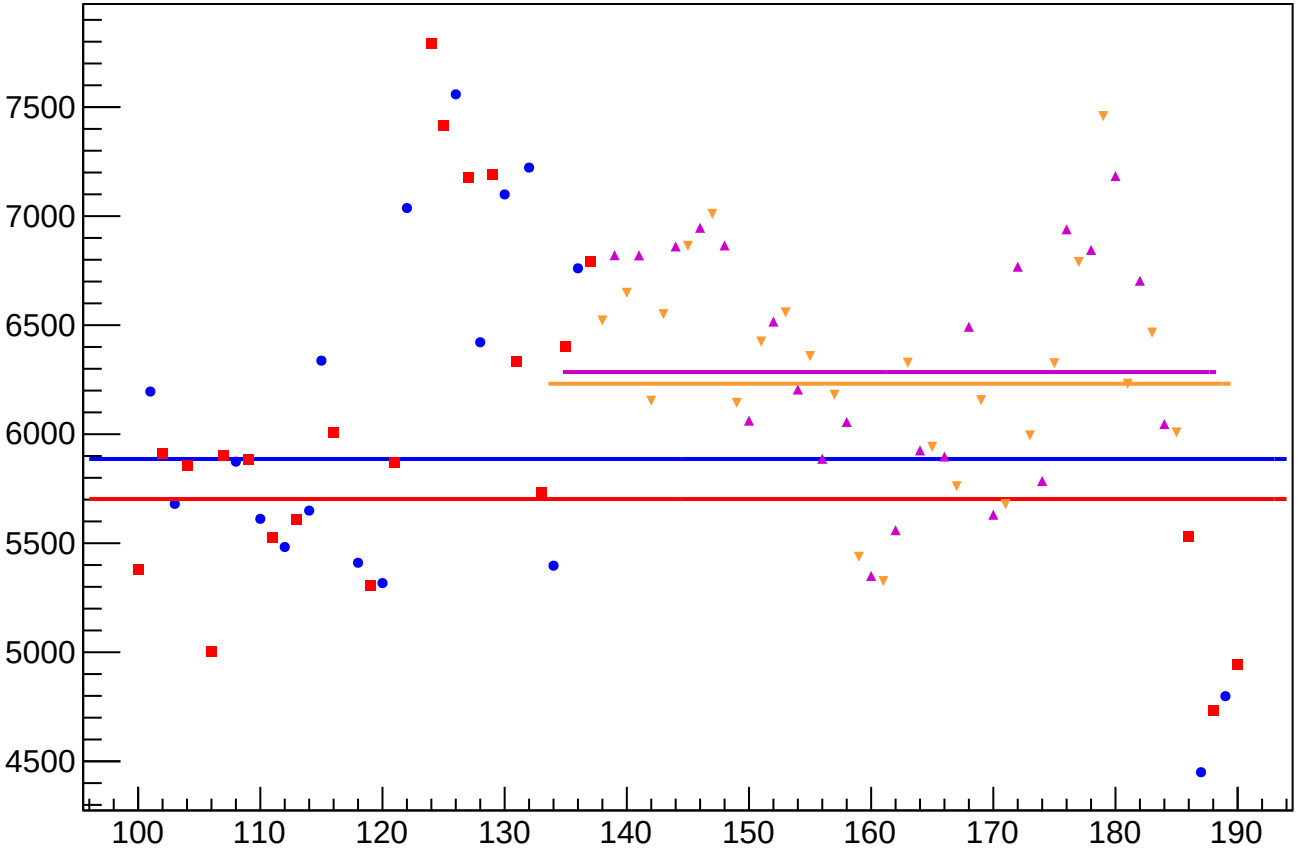
Right: -7.540+/-1.411 χ^2/NDF: 69.6/39

In: -9.525+/-1.211 χ^2/NDF:63.7/40

Out: -3.774+/-1.140 χ^2/NDF:69.7/46

All: -6.475+/-0.830 χ^2/NDF: 145.3/87

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5886.318+/-1.492 χ^2/NDF: 287424.0/17

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5702.681+/-1.342 χ^2/NDF: 286682.4/21

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

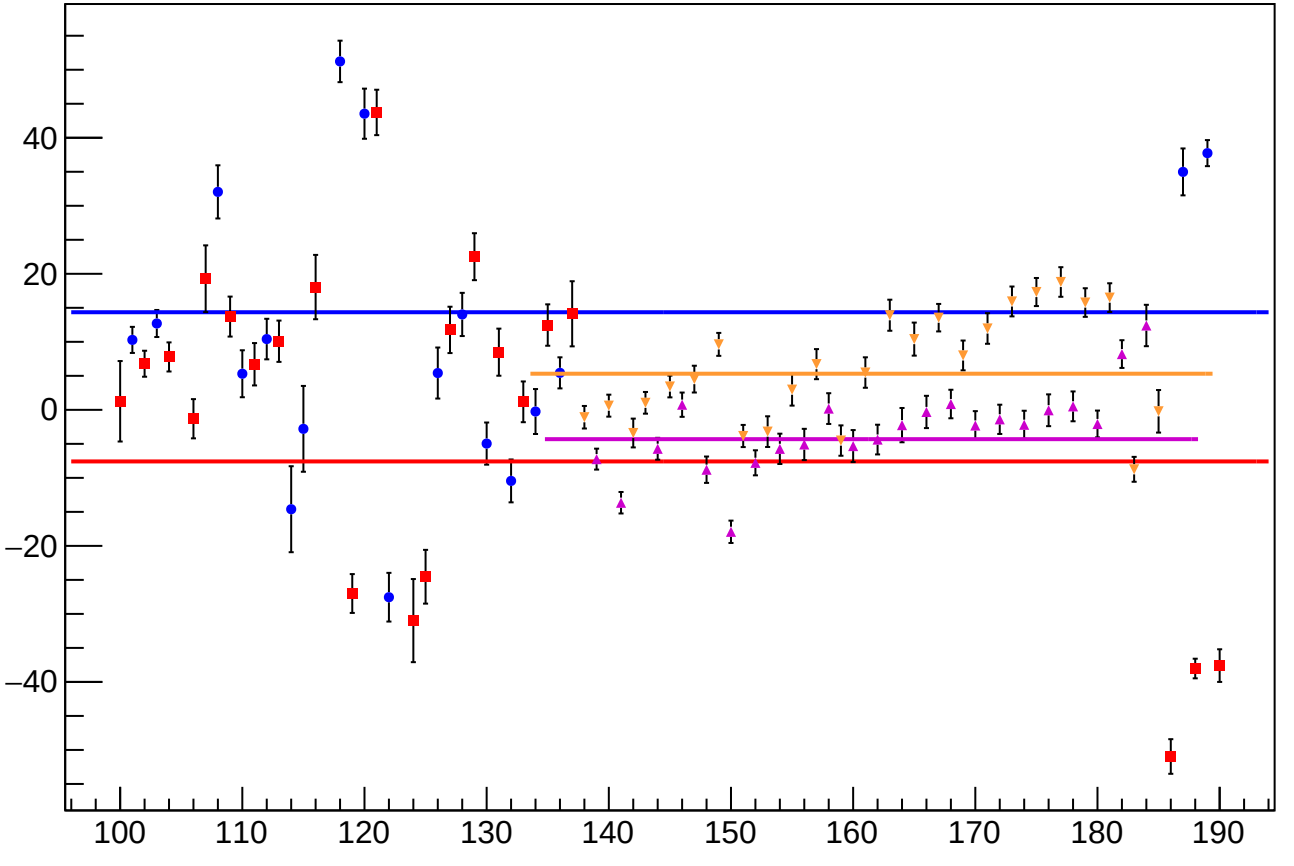
Right: 5784.788+/-0.998 χ^2/NDF: 582482.4/39

In: 6153.600+/-0.857 χ^2/NDF:600673.1/40

Out: 6040.620+/-0.806 χ^2/NDF:612930.7/46

All: 6093.684+/-0.587 χ^2/NDF: 1222828.2/87

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 14.350+/-0.688 χ^2/NDF: 734.5/17

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -7.584+/-0.610 χ^2/NDF: 1692.4/21

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

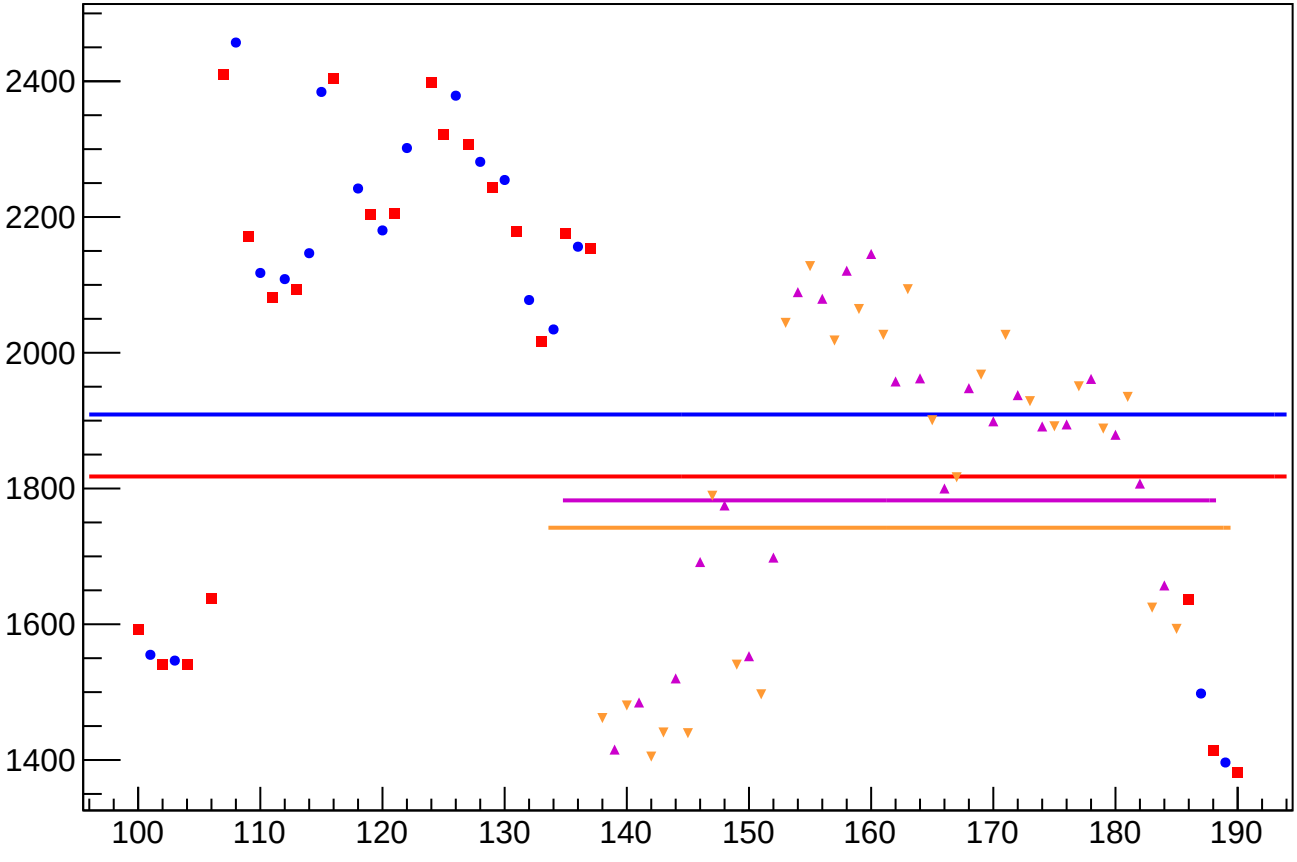
Right: 2.073+/-0.457 χ^2/NDF: 2995.3/39

In: 0.755+/-0.359 χ^2/NDF:1490.4/40

Out: 1.434+/-0.335 χ^2/NDF:2382.6/46

All: 1.117+/-0.245 χ^2/NDF: 3875.0/87

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1909.055+/-0.487 χ^2/NDF: 550496.6/17

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1817.725+/-0.432 χ^2/NDF: 693261.6/21

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

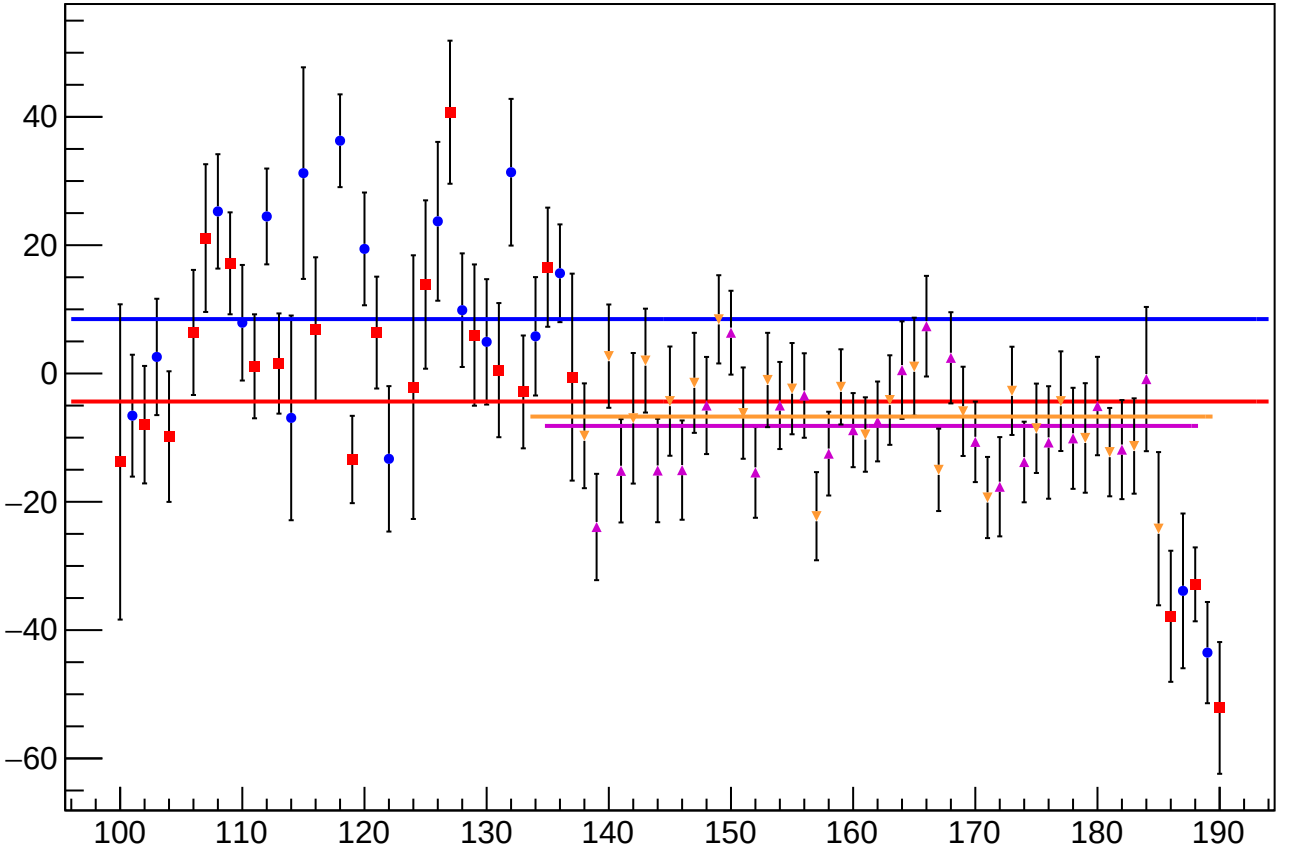
Right: 1857.935+/-0.323 χ^2/NDF: 1263468.9/39

In: 1816.850+/-0.254 χ^2/NDF:1134135.2/40

Out: 1764.928+/-0.237 χ^2/NDF:1482323.3/46

All: 1789.109+/-0.173 χ^2/NDF: 2638864.2/87

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 8.480+/-2.220 χ^2/NDF: 96.3/17

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -4.369+/-2.030 χ^2/NDF: 100.8/21

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

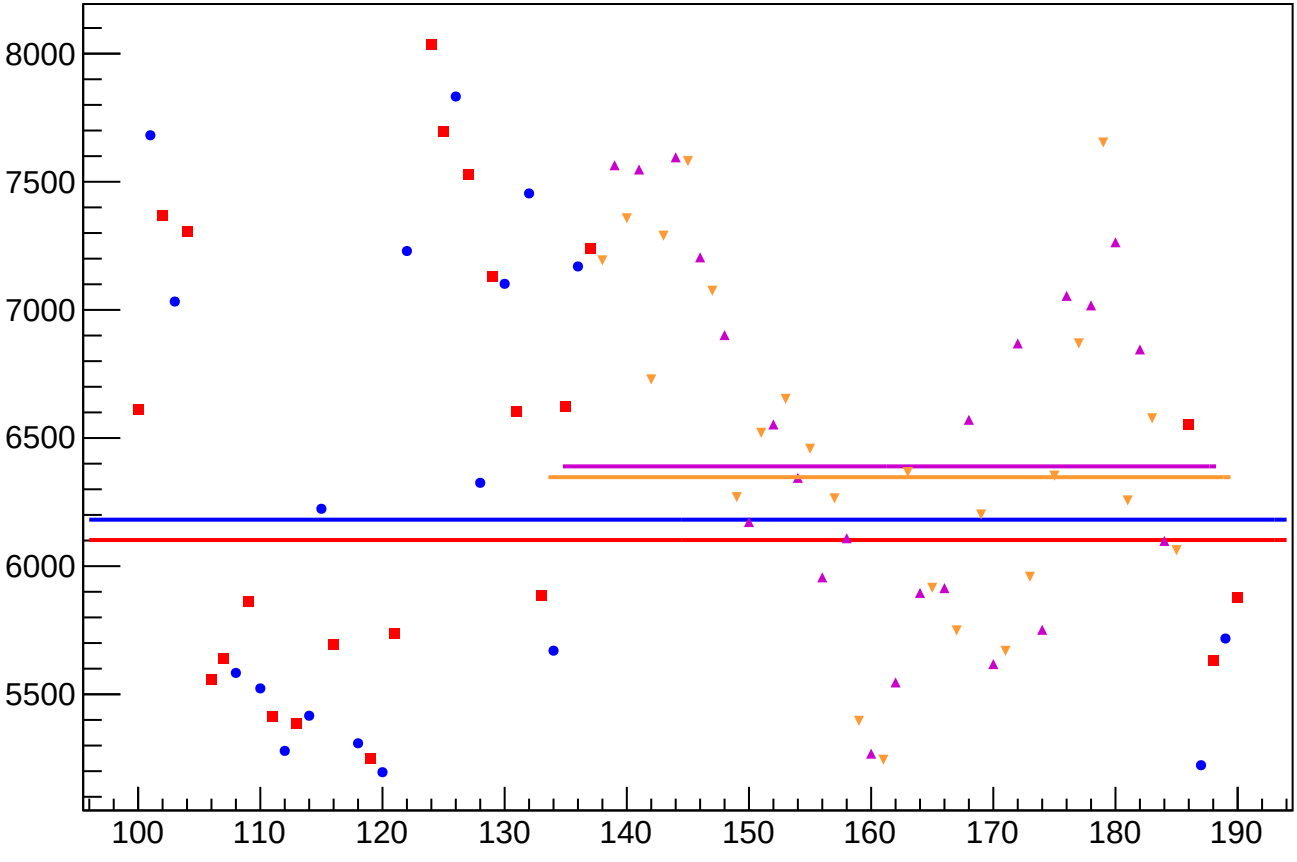
Right: 1.482+/-1.498 χ^2/NDF: 215.4/39

In: -2.905+/-1.249 χ^2/NDF:158.9/40

Out: -5.916+/-1.184 χ^2/NDF:127.3/46

All: -4.490+/-0.859 χ^2/NDF: 289.3/87

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6181.406+/-1.570 χ^2/NDF: 330328.2/17

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6101.989+/-1.436 χ^2/NDF: 284764.8/21

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

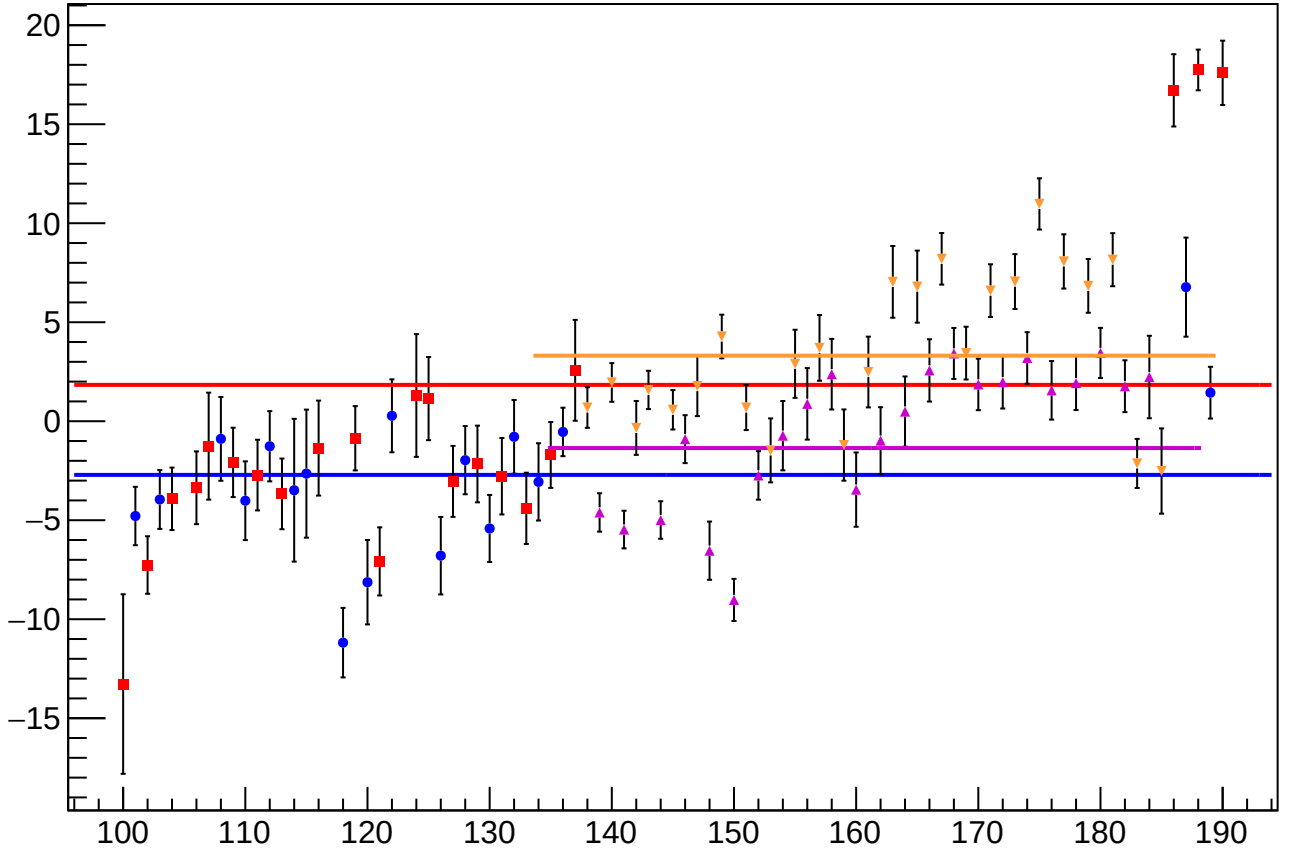
Right: 6138.151+/-1.059 χ^2/NDF: 616486.6/39

In: 6323.644+/-0.883 χ^2/NDF:762088.0/40

Out: 6263.836+/-0.837 χ^2/NDF:690055.8/46

All: 6292.156+/-0.608 χ^2/NDF: 1454559.8/87

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -2.710+/-0.421 χ^2/NDF: 72.7/17

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 1.835+/-0.383 χ^2/NDF: 559.2/21

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

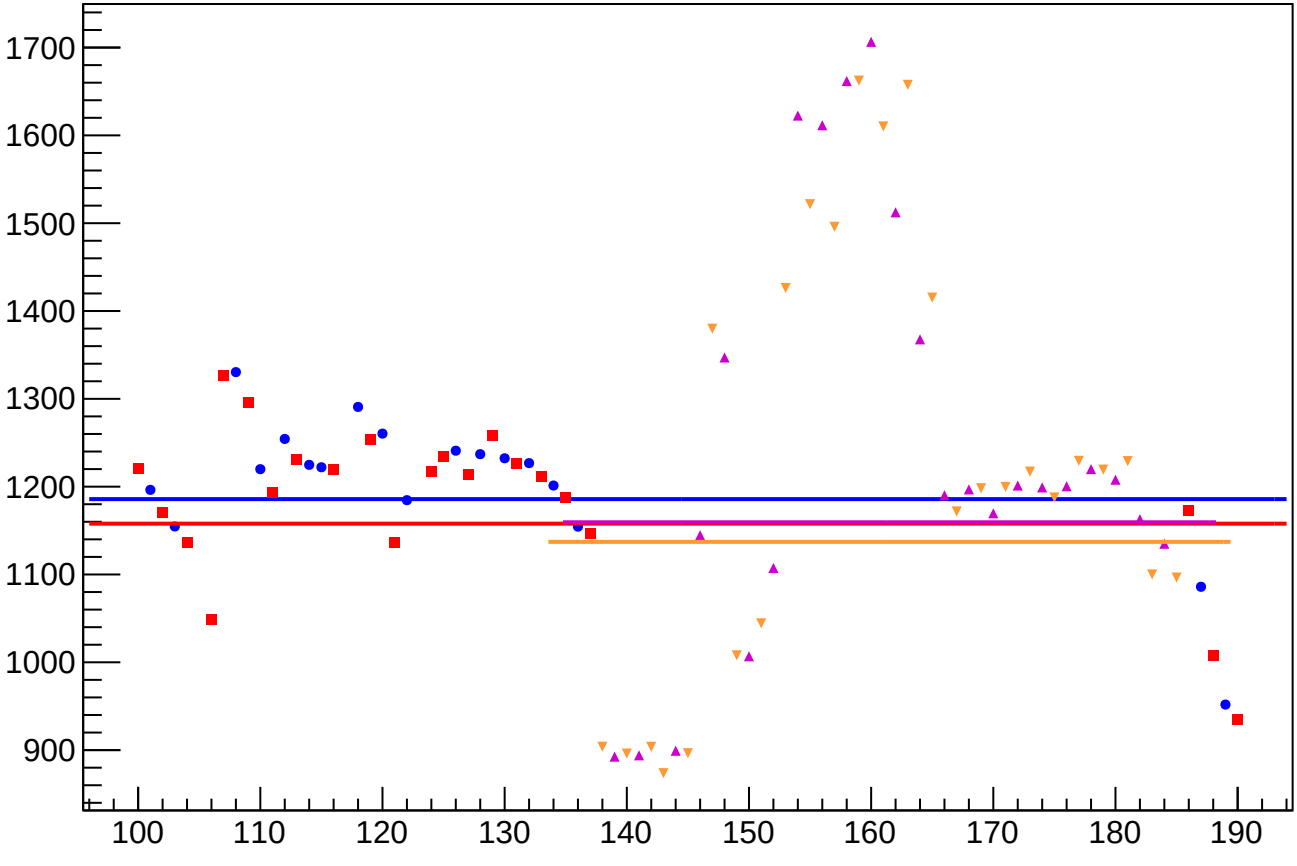
Right: -0.219+/-0.283 χ^2/NDF: 695.7/39

In: -1.763+/-0.231 χ^2/NDF:276.2/40

Out: 2.834+/-0.218 χ^2/NDF:747.2/46

All: 0.676+/-0.158 χ^2/NDF: 1233.0/87

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1185.804+/-0.298 χ^2/NDF: 98505.6/17

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1157.875+/-0.271 χ^2/NDF: 136804.2/21

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

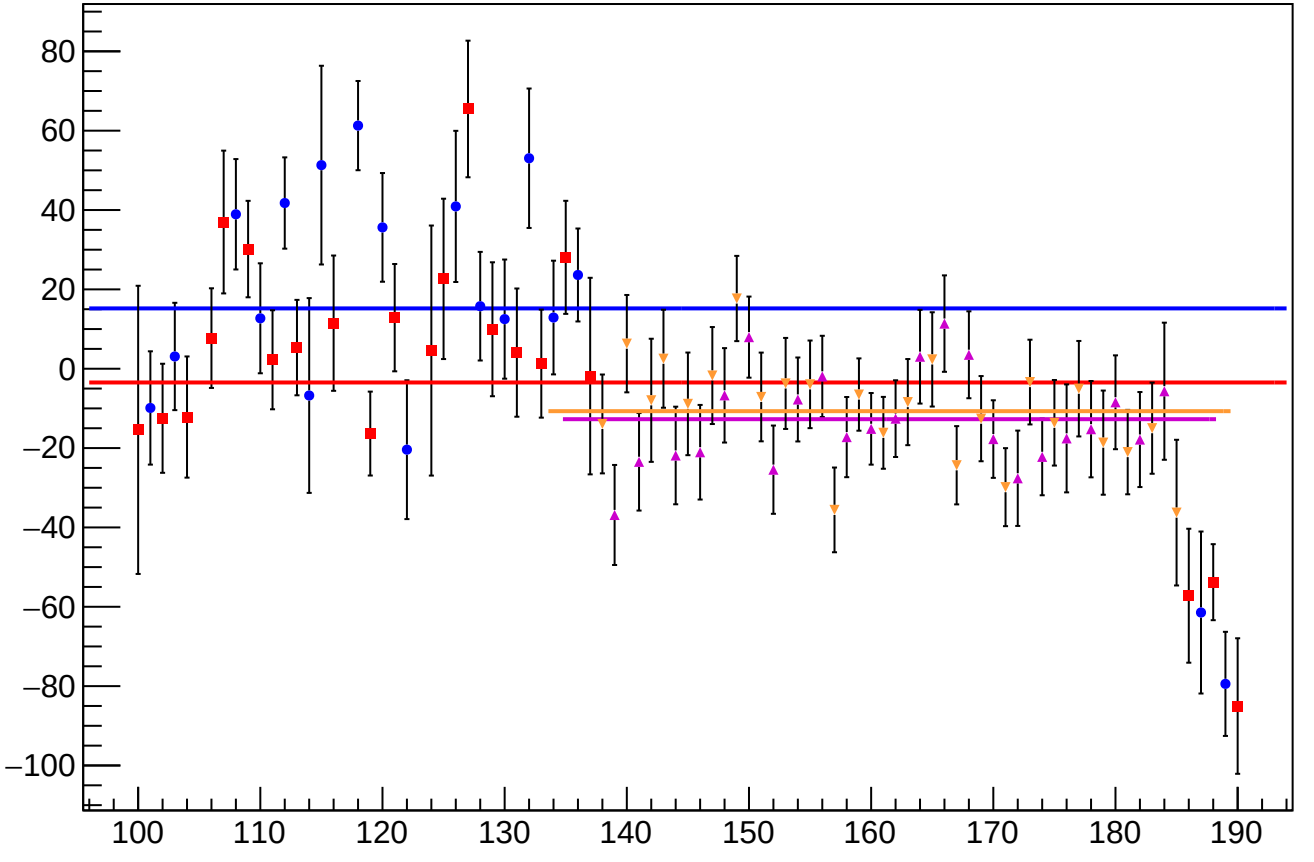
Right: 1170.497+/-0.200 χ^2/NDF: 240124.4/39

In: 1167.375+/-0.164 χ^2/NDF:1363772.5/40

Out: 1143.848+/-0.154 χ^2/NDF:1610460.6/46

All: 1154.893+/-0.112 χ^2/NDF: 2985213.3/87

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 15.204+/-3.447 χ^2/NDF: 111.3/17

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -3.466+/-3.136 χ^2/NDF: 103.0/21

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

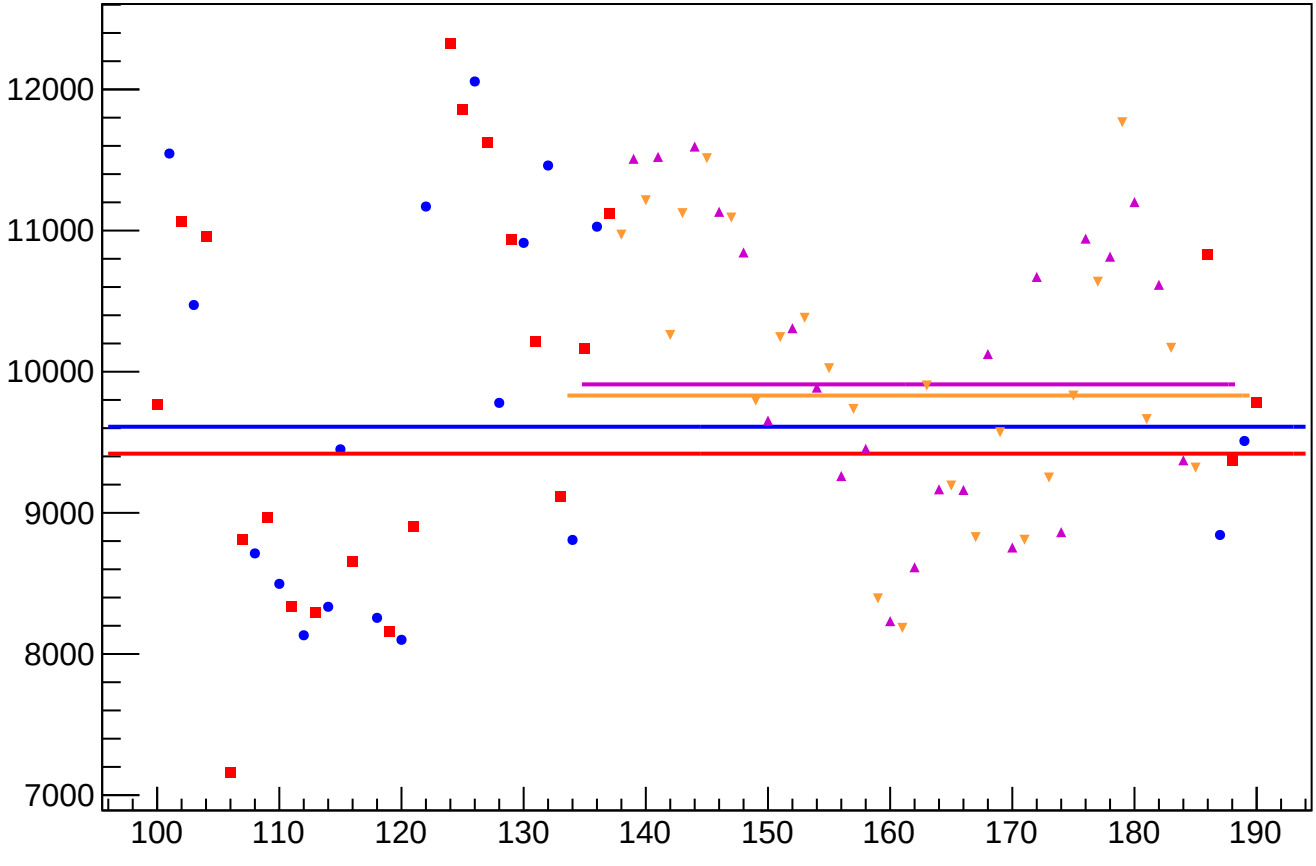
Right: 4.990+/-2.320 χ^2/NDF: 230.4/39

In: -3.904+/-1.936 χ^2/NDF:180.3/40

Out: -8.229+/-1.832 χ^2/NDF:135.2/46

All: -6.187+/-1.331 χ^2/NDF: 318.1/87

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9610.147+/-2.437 χ^2/NDF: 282752.4/17

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9419.464+/-2.218 χ^2/NDF: 317387.2/21

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

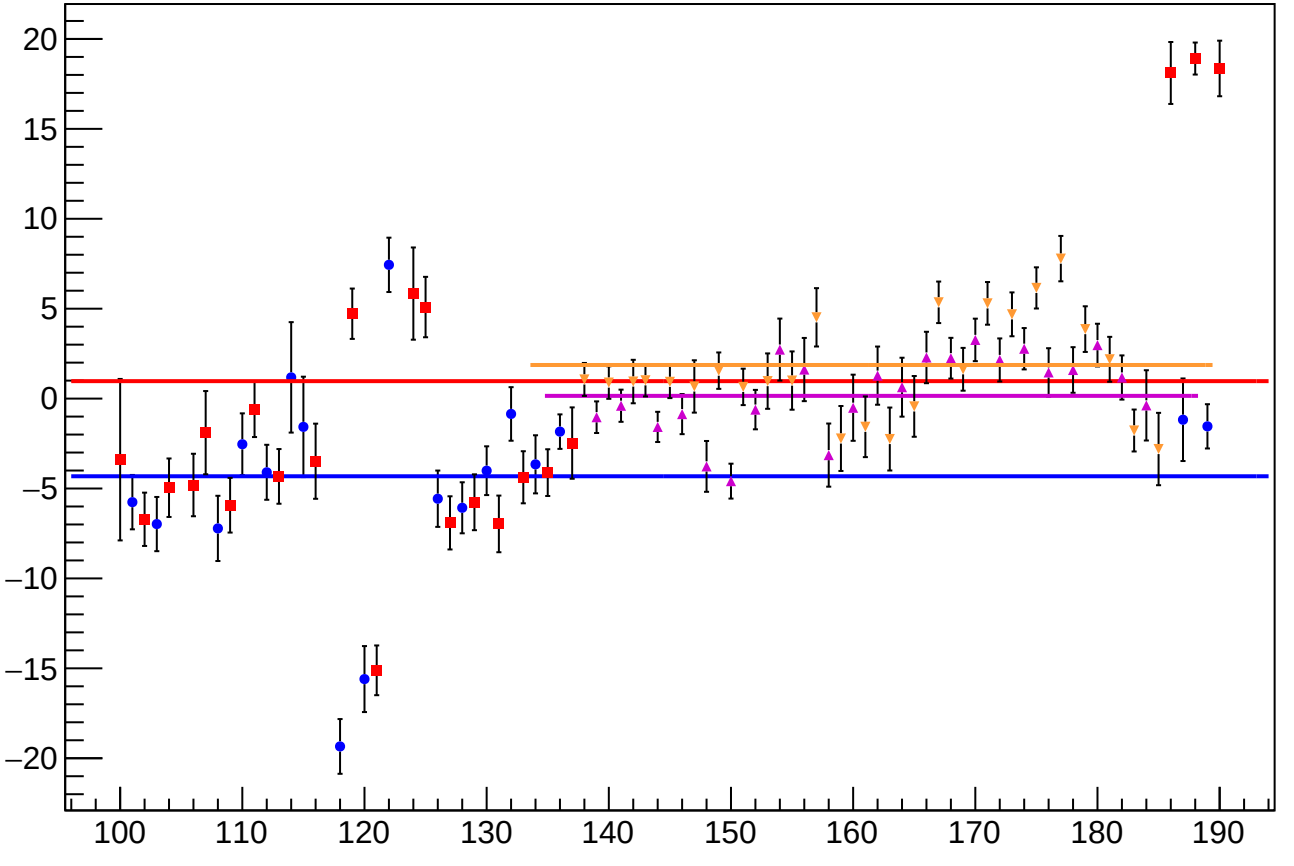
Right: 9505.836+/-1.640 χ^2/NDF: 603488.5/39

In: 9815.548+/-1.369 χ^2/NDF:682500.7/40

Out: 9690.764+/-1.295 χ^2/NDF:696231.3/46

All: 9749.702+/-0.941 χ^2/NDF: 1383114.3/87

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.363 χ^2/NDF: 229.0/17

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 0.971+/-0.332 χ^2/NDF: 980.4/21

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

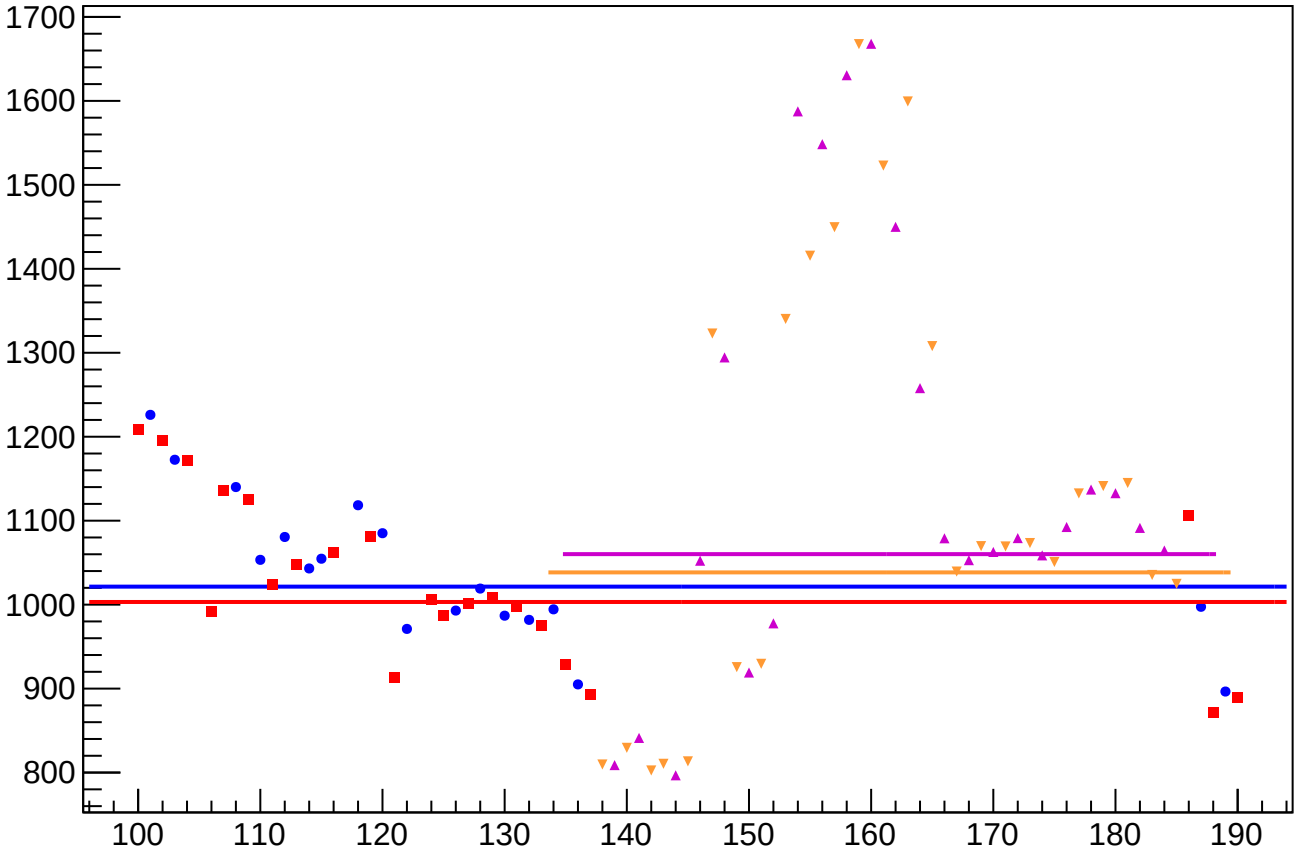
Right: -1.435+/-0.245 χ^2/NDF: 1324.9/39

In: -1.319+/-0.208 χ^2/NDF:406.2/40

Out: 1.556+/-0.196 χ^2/NDF:1088.4/46

All: 0.208+/-0.143 χ^2/NDF: 1595.6/87

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1021.452+/-0.257 χ^2/NDF: 136357.6/17

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1003.172+/-0.235 χ^2/NDF: 172427.5/21

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

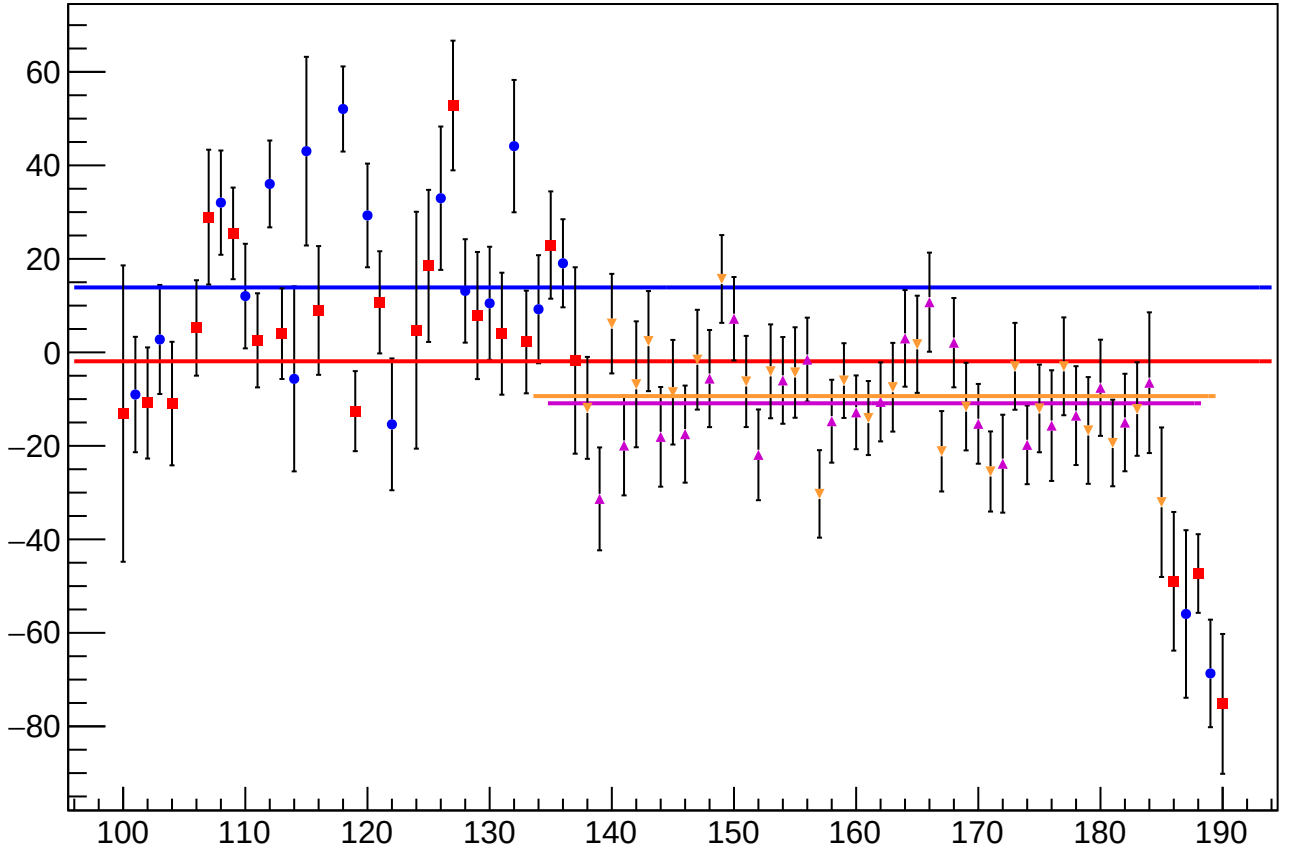
Right: 1011.484+/-0.173 χ^2/NDF: 311543.3/39

In: 1047.429+/-0.147 χ^2/NDF:1674800.1/40

Out: 1026.134+/-0.139 χ^2/NDF:1893797.4/46

All: 1036.120+/-0.101 χ^2/NDF: 3579680.3/87

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 13.892+/-2.823 χ^2/NDF: 112.9/17

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -1.908+/-2.584 χ^2/NDF: 104.1/21

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

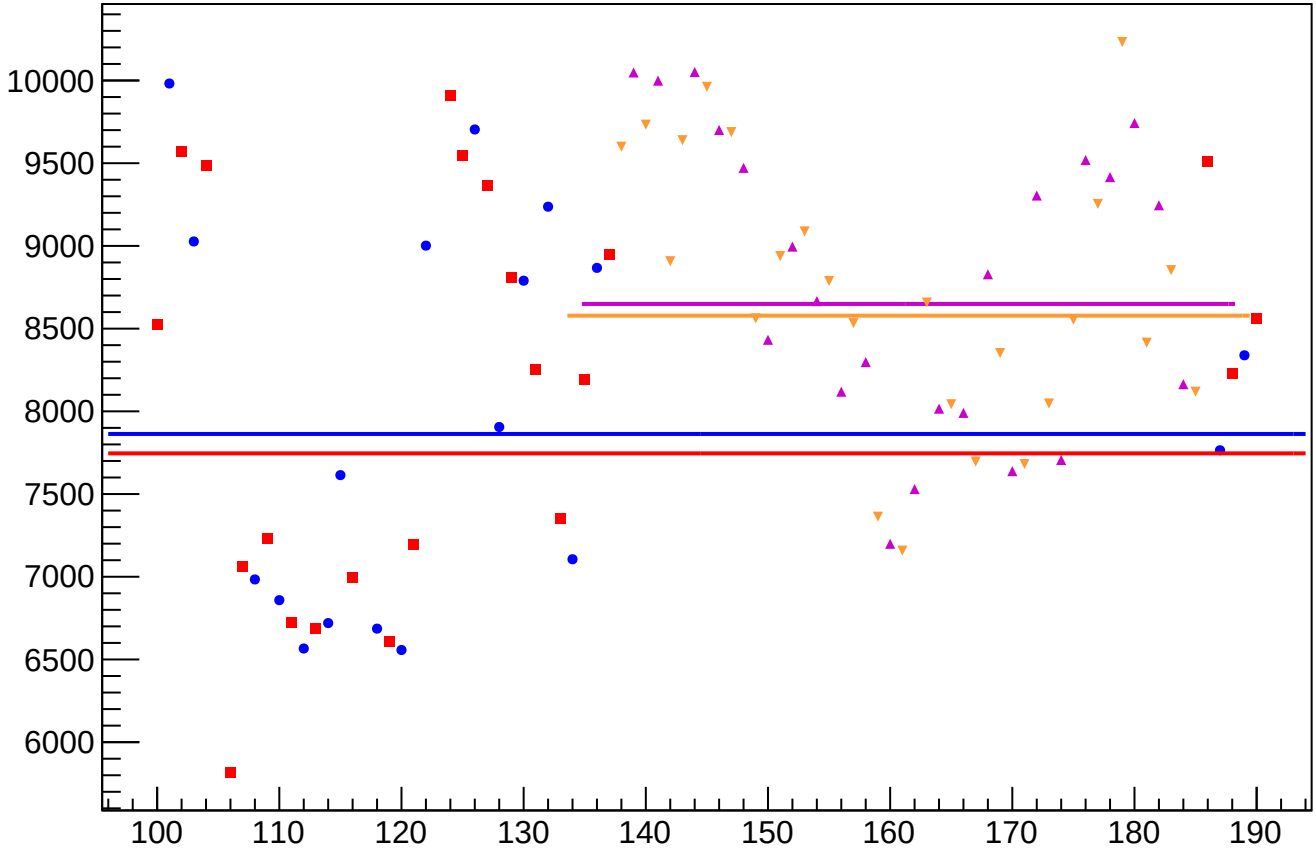
Right: 5.294+/-1.906 χ^2/NDF: 234.0/39

In: -2.378+/-1.655 χ^2/NDF:187.1/40

Out: -6.619+/-1.566 χ^2/NDF:137.8/46

All: -4.615+/-1.138 χ^2/NDF: 328.4/87

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7863.255+/-1.997 χ^2/NDF: 321755.6/17

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7745.846+/-1.827 χ^2/NDF: 390632.8/21

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

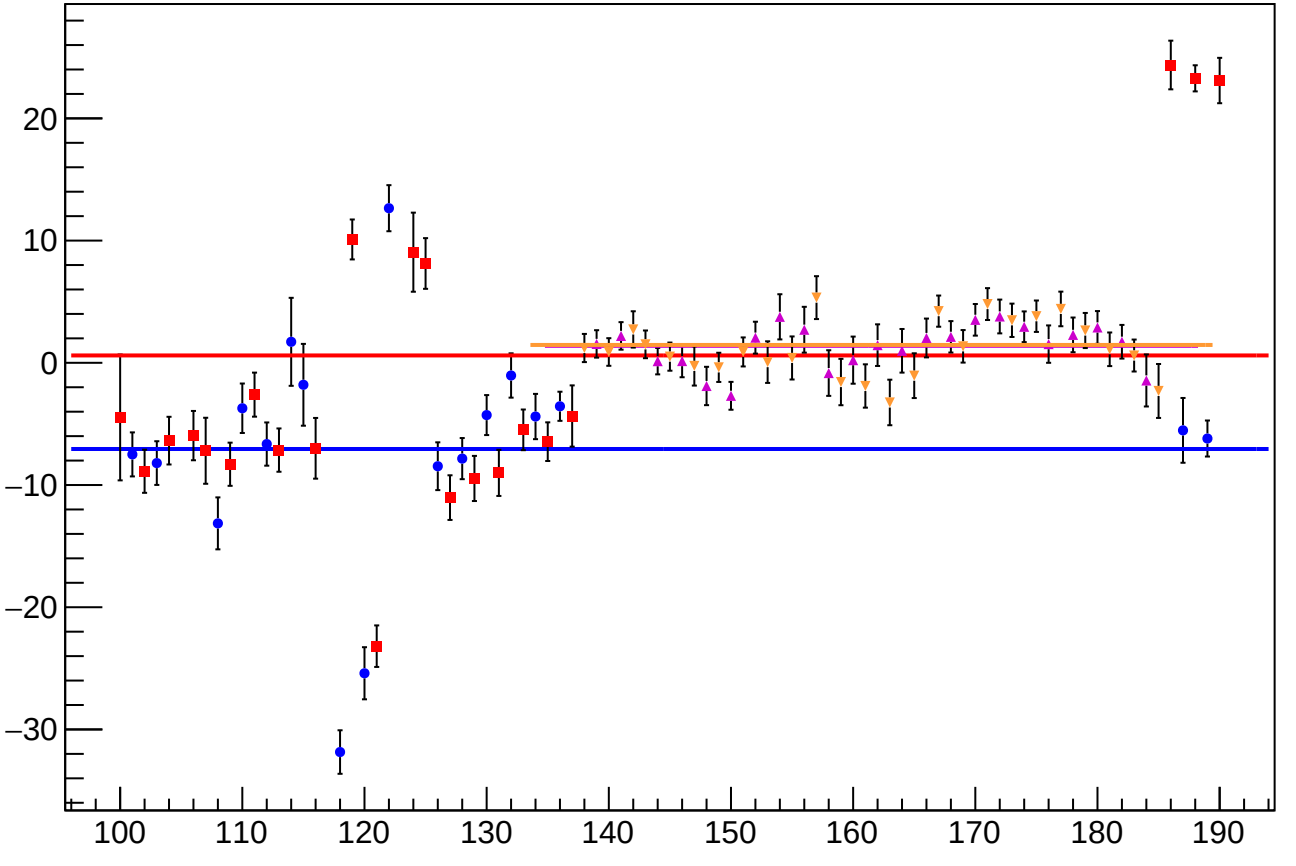
Right: 7799.362+/-1.348 χ^2/NDF: 714270.5/39

In: 8379.224+/-1.170 χ^2/NDF:801427.5/40

Out: 8272.532+/-1.107 χ^2/NDF:865693.3/46

All: 8322.944+/-0.804 χ^2/NDF: 1671505.9/87

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.052+/-0.435 χ^2/NDF: 423.0/17

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 0.603+/-0.396 χ^2/NDF: 1241.0/21

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

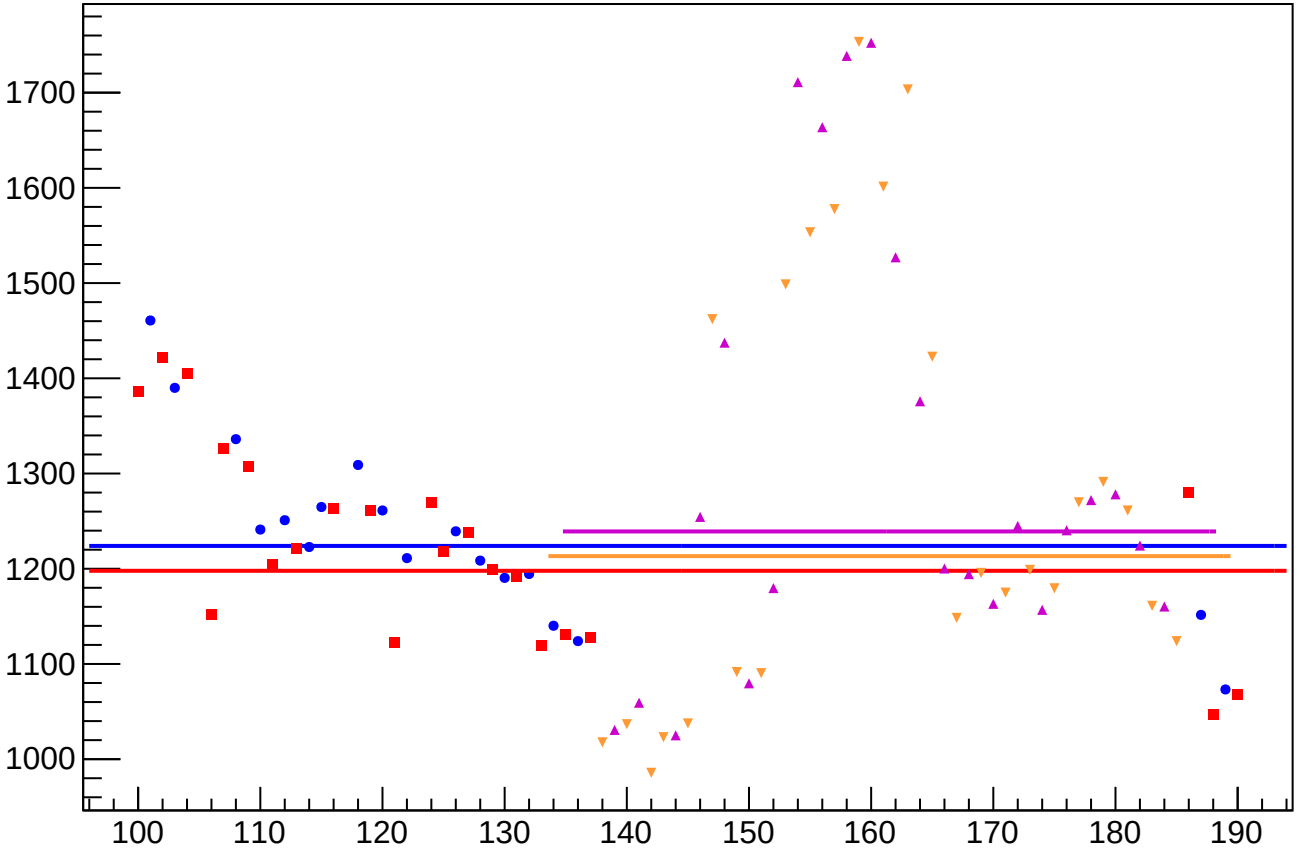
Right: -2.866+/-0.293 χ^2/NDF: 1833.2/39

In: -1.259+/-0.244 χ^2/NDF:716.8/40

Out: 1.174+/-0.229 χ^2/NDF:1295.2/46

All: 0.034+/-0.167 χ^2/NDF: 2064.9/87

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1223.972+/-0.308 χ^2/NDF: 105778.9/17

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1197.847+/-0.280 χ^2/NDF: 144146.4/21

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

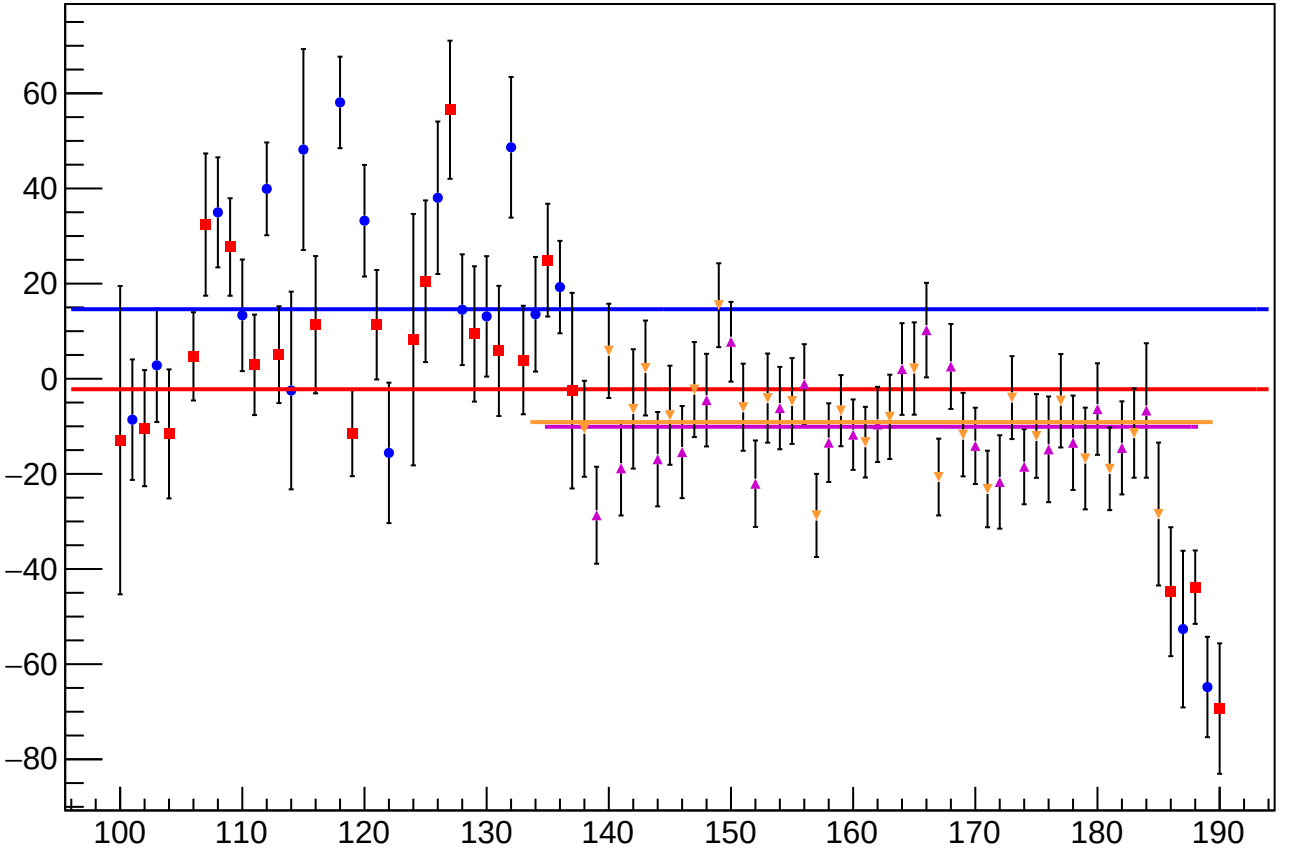
Right: 1209.684+/-0.207 χ^2/NDF: 253867.9/39

In: 1234.404+/-0.172 χ^2/NDF:993050.4/40

Out: 1208.112+/-0.162 χ^2/NDF:1158926.8/46

All: 1220.433+/-0.118 χ^2/NDF: 2164339.5/87

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 14.616+/-2.911 χ^2/NDF: 125.6/17

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -2.207+/-2.612 χ^2/NDF: 107.3/21

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

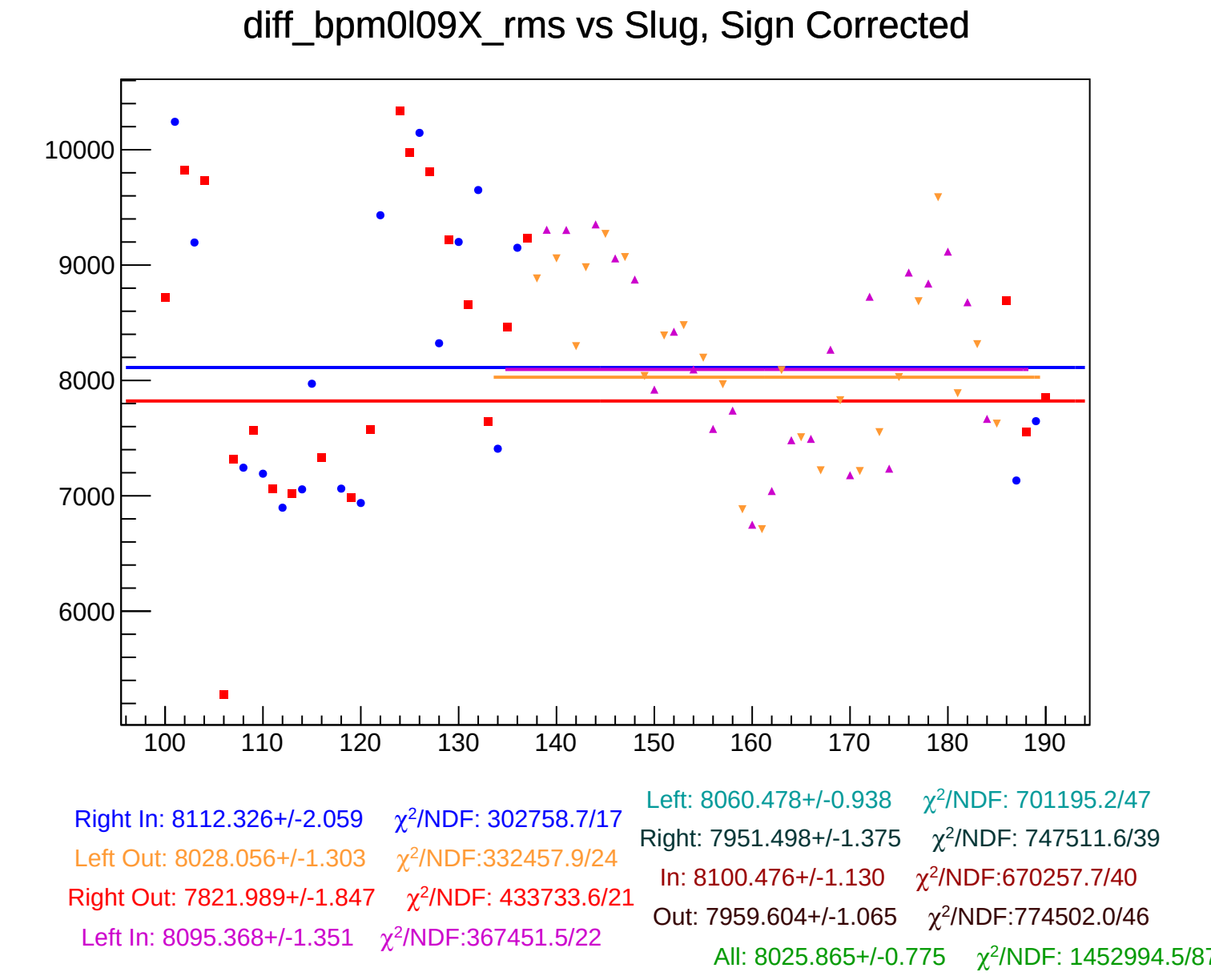
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 5.297+/-1.944 χ^2/NDF: 251.4/39

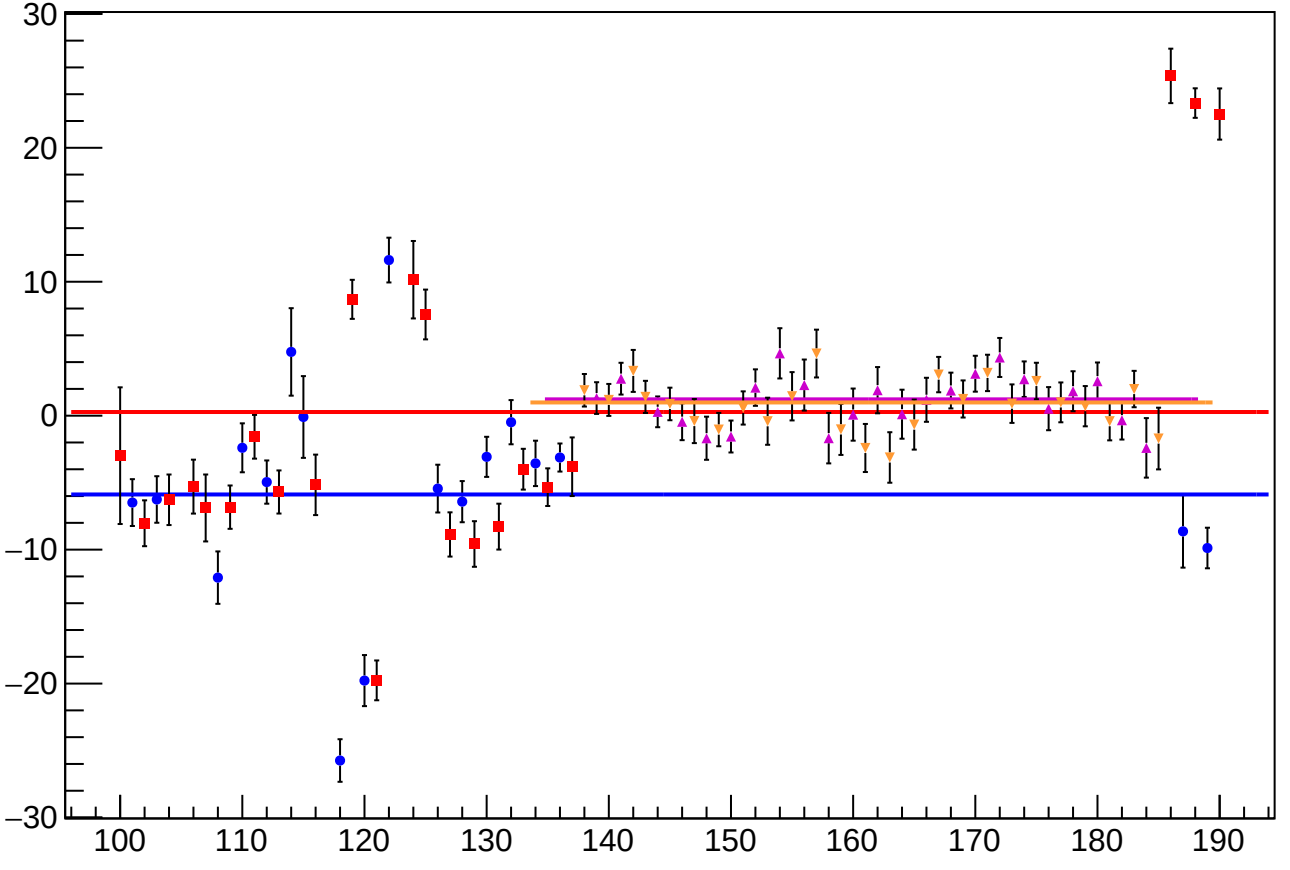
In: -2.652+/-1.598 χ^2/NDF:200.2/40

Out: -6.820+/-1.506 χ^2/NDF:140.7/46

All: -4.859+/-1.096 χ^2/NDF: 344.5/87


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8112.326+/-2.059 χ²/NDF: 302758.7/17
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 7821.989+/-1.847 χ²/NDF: 433733.6/21
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 7951.498+/-1.375 χ²/NDF: 747511.6/39
In: 8100.476+/-1.130 χ²/NDF:670257.7/40
Out: 7959.604+/-1.065 χ²/NDF:774502.0/46
All: 8025.865+/-0.775 χ²/NDF: 1452994.5/87

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.881+/-0.401 χ^2/NDF: 378.6/17

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 0.275+/-0.371 χ^2/NDF: 1175.8/21

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

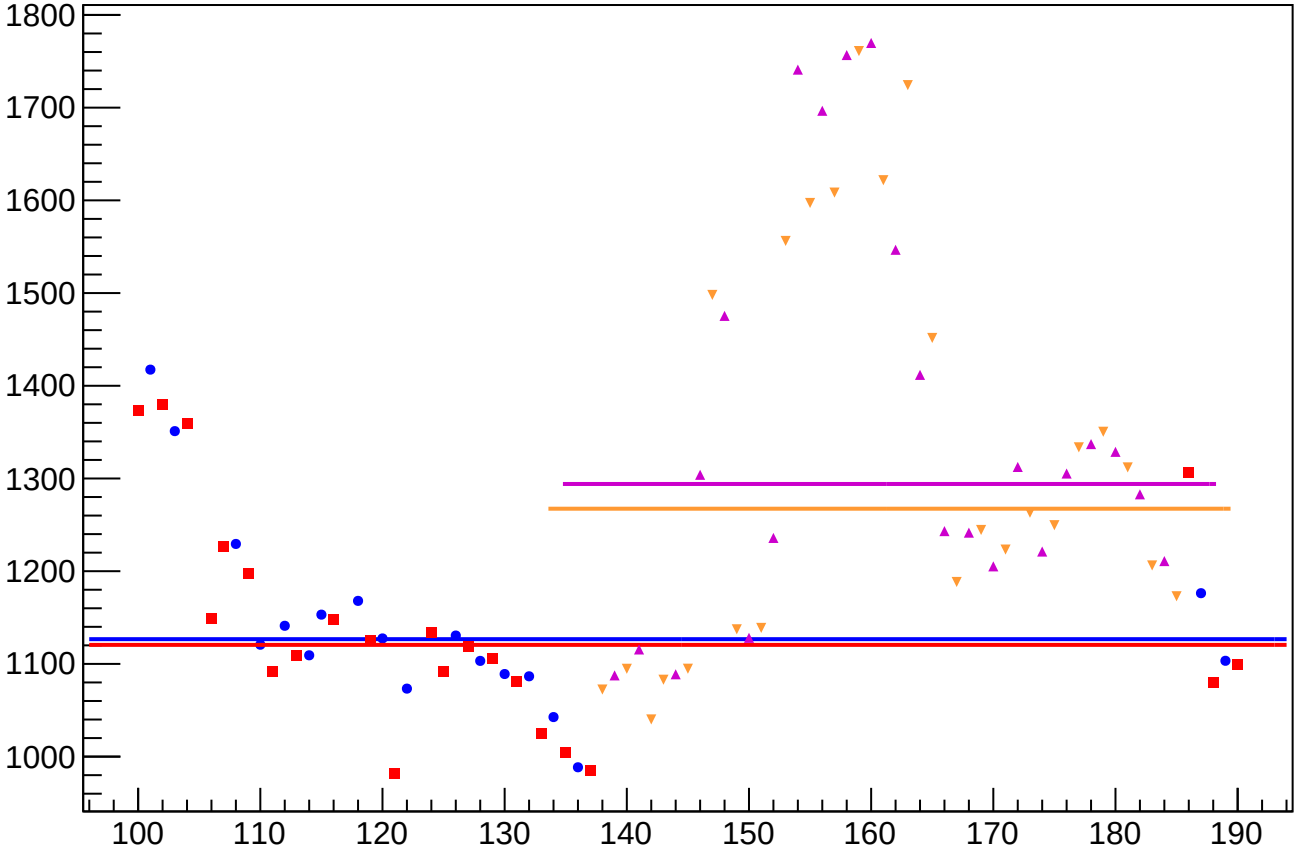
Right: -2.562+/-0.272 χ^2/NDF: 1681.5/39

In: -1.399+/-0.244 χ^2/NDF:609.6/40

Out: 0.715+/-0.230 χ^2/NDF:1209.1/46

All: -0.280+/-0.167 χ^2/NDF: 1858.6/87

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1126.688+/-0.284 χ^2/NDF: 141764.8/17

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1120.534+/-0.262 χ^2/NDF: 160437.4/21

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

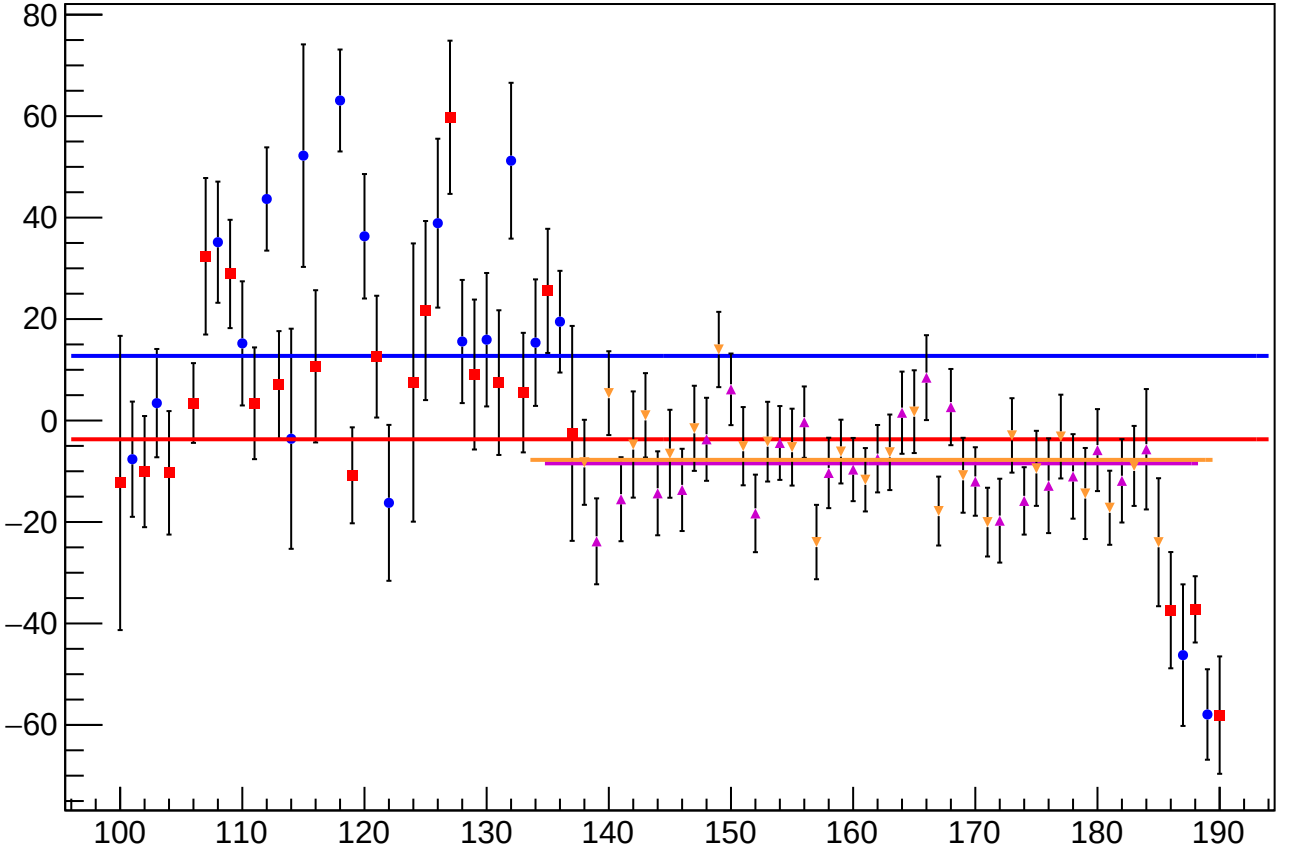
Right: 1123.370+/-0.192 χ^2/NDF: 302456.2/39

In: 1232.340+/-0.172 χ^2/NDF:1119862.2/40

Out: 1211.084+/-0.162 χ^2/NDF:1232428.6/46

All: 1221.083+/-0.118 χ^2/NDF: 2360357.7/87

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 12.740+/-2.894 χ^2/NDF: 143.0/17

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -3.695+/-2.514 χ^2/NDF: 105.8/21

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

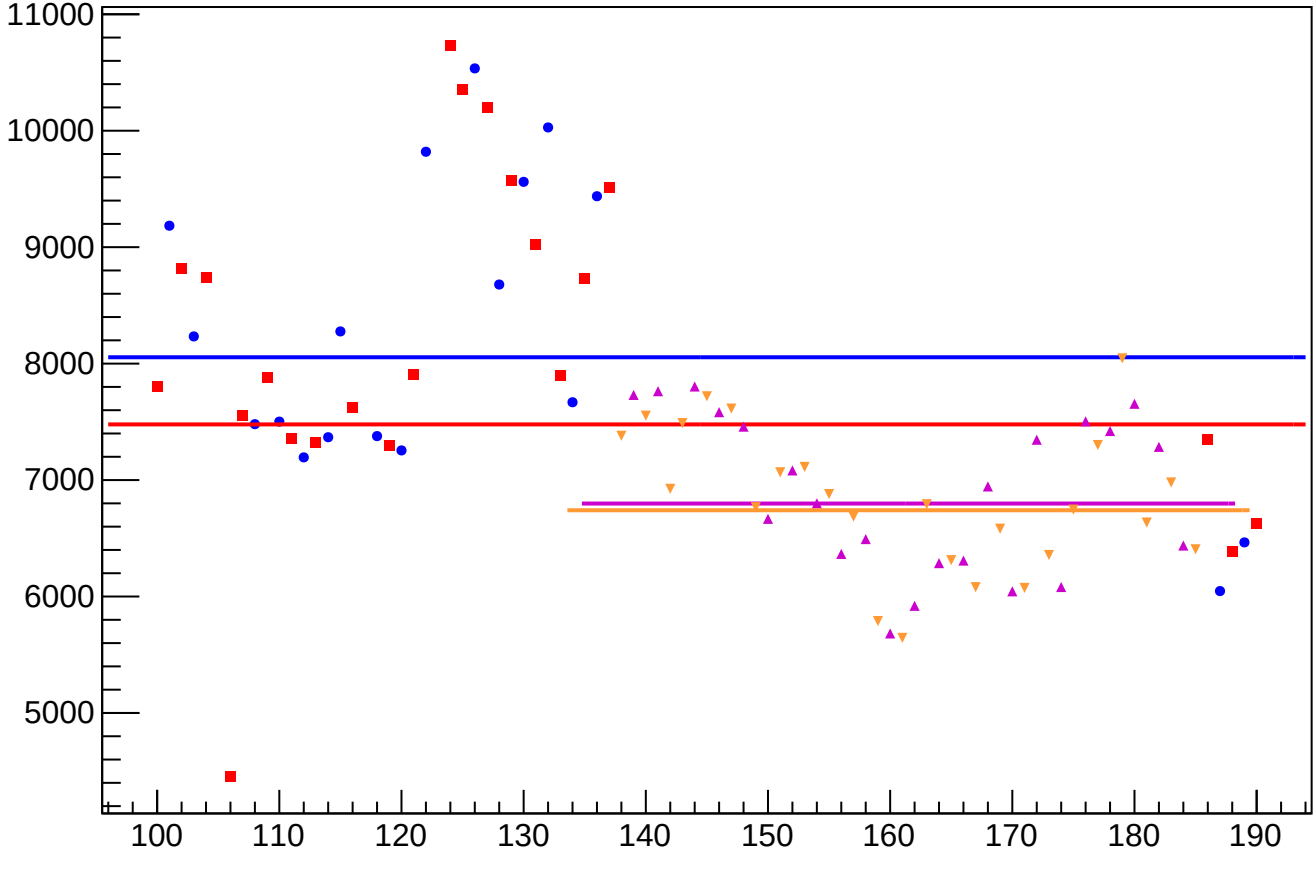
Right: 3.374+/-1.898 χ^2/NDF: 267.1/39

In: -3.458+/-1.403 χ^2/NDF:208.8/40

Out: -6.639+/-1.317 χ^2/NDF:138.1/46

All: -5.149+/-0.960 χ^2/NDF: 349.6/87

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8054.656+/-2.046 χ^2/NDF: 343474.6/17

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7477.952+/-1.778 χ^2/NDF: 672842.6/21

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

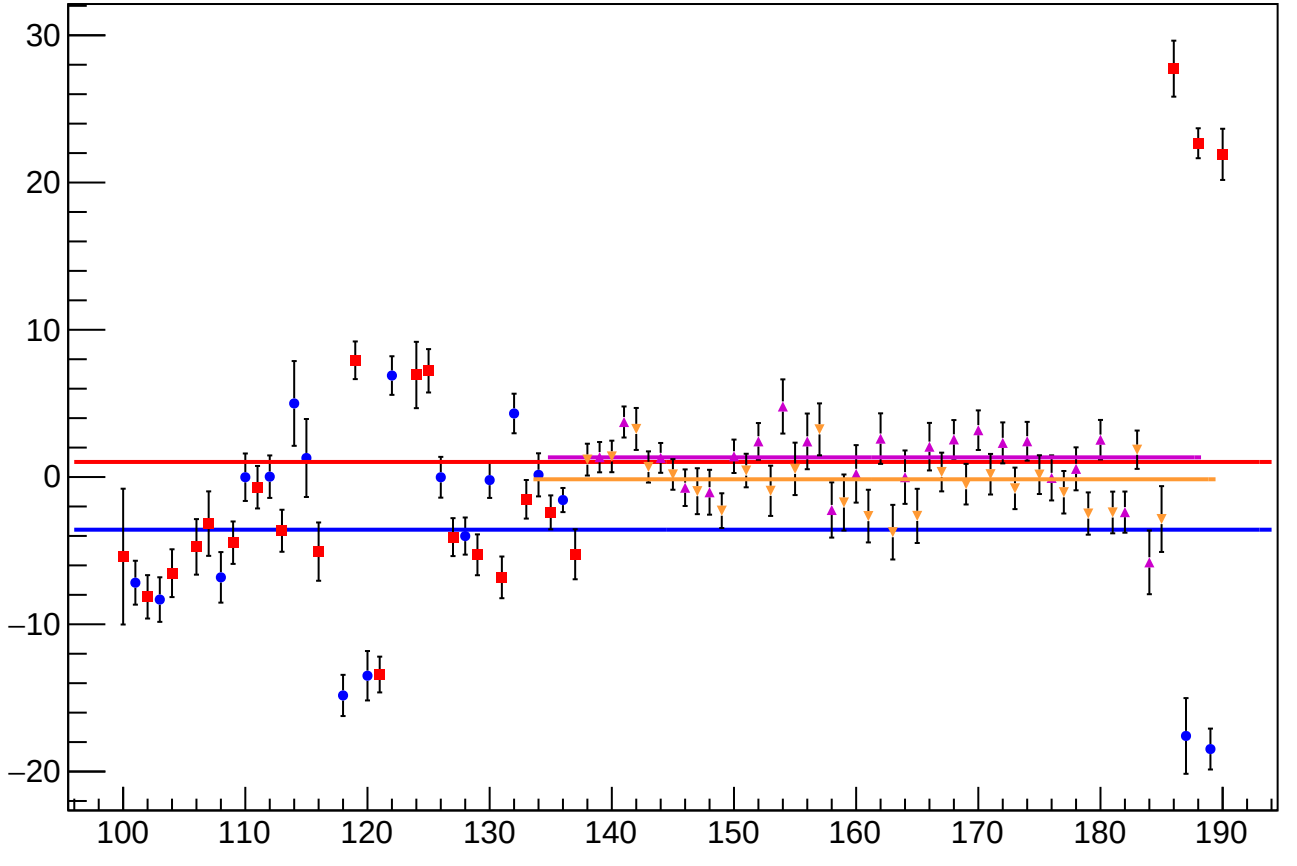
Right: 7726.000+/-1.342 χ^2/NDF: 1061574.2/39

In: 7093.875+/-0.992 χ^2/NDF:984922.7/40

Out: 6943.181+/-0.931 χ^2/NDF:1114260.3/46

All: 7013.767+/-0.679 χ^2/NDF: 2111442.0/87

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -3.577+/-0.337 χ^2/NDF: 412.2/17

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 1.024+/-0.318 χ^2/NDF: 1194.2/21

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

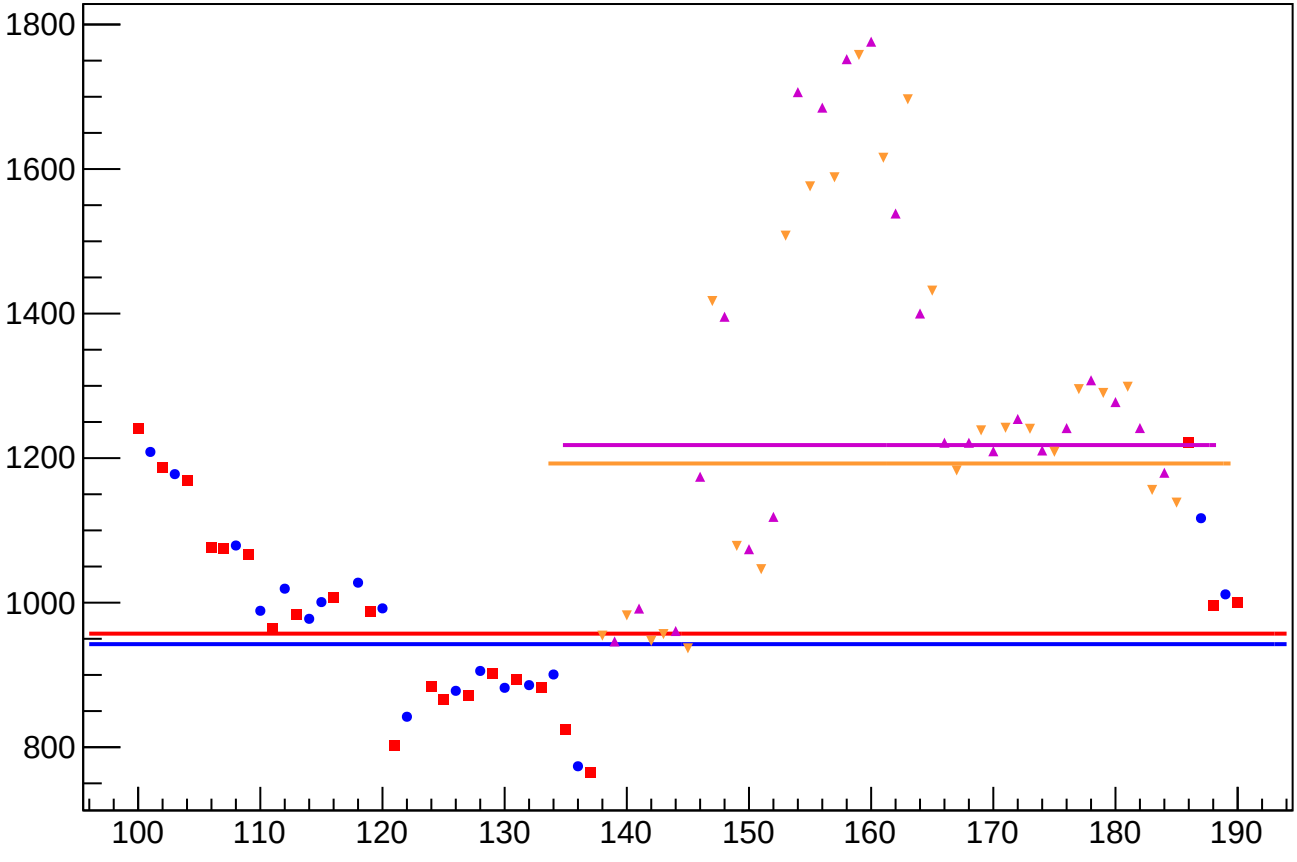
Right: -1.141+/-0.231 χ^2/NDF: 1705.1/39

In: -0.756+/-0.220 χ^2/NDF:578.4/40

Out: 0.355+/-0.209 χ^2/NDF:1238.0/46

All: -0.171+/-0.151 χ^2/NDF: 1829.9/87

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 942.601+/-0.238 χ^2/NDF: 269422.5/17

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 957.136+/-0.225 χ^2/NDF: 279213.5/21

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

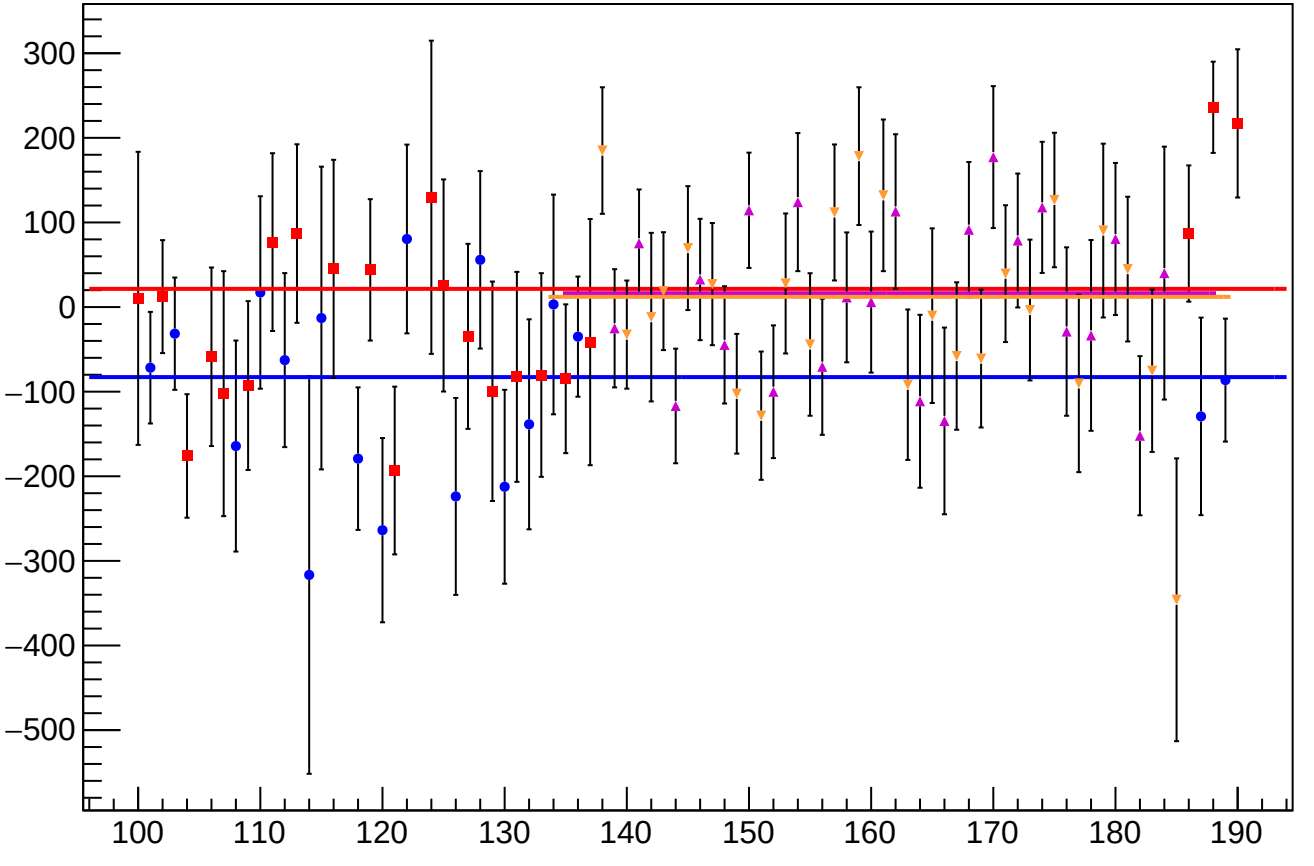
Right: 950.294+/-0.163 χ^2/NDF: 550606.7/39

In: 1100.737+/-0.155 χ^2/NDF:2165029.2/40

Out: 1091.005+/-0.148 χ^2/NDF:2224088.9/46

All: 1095.617+/-0.107 χ^2/NDF: 4391180.2/87

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -82.783+/-23.097 χ^2/NDF: 15.0/17

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 21.514+/-20.655 χ^2/NDF: 41.5/21

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

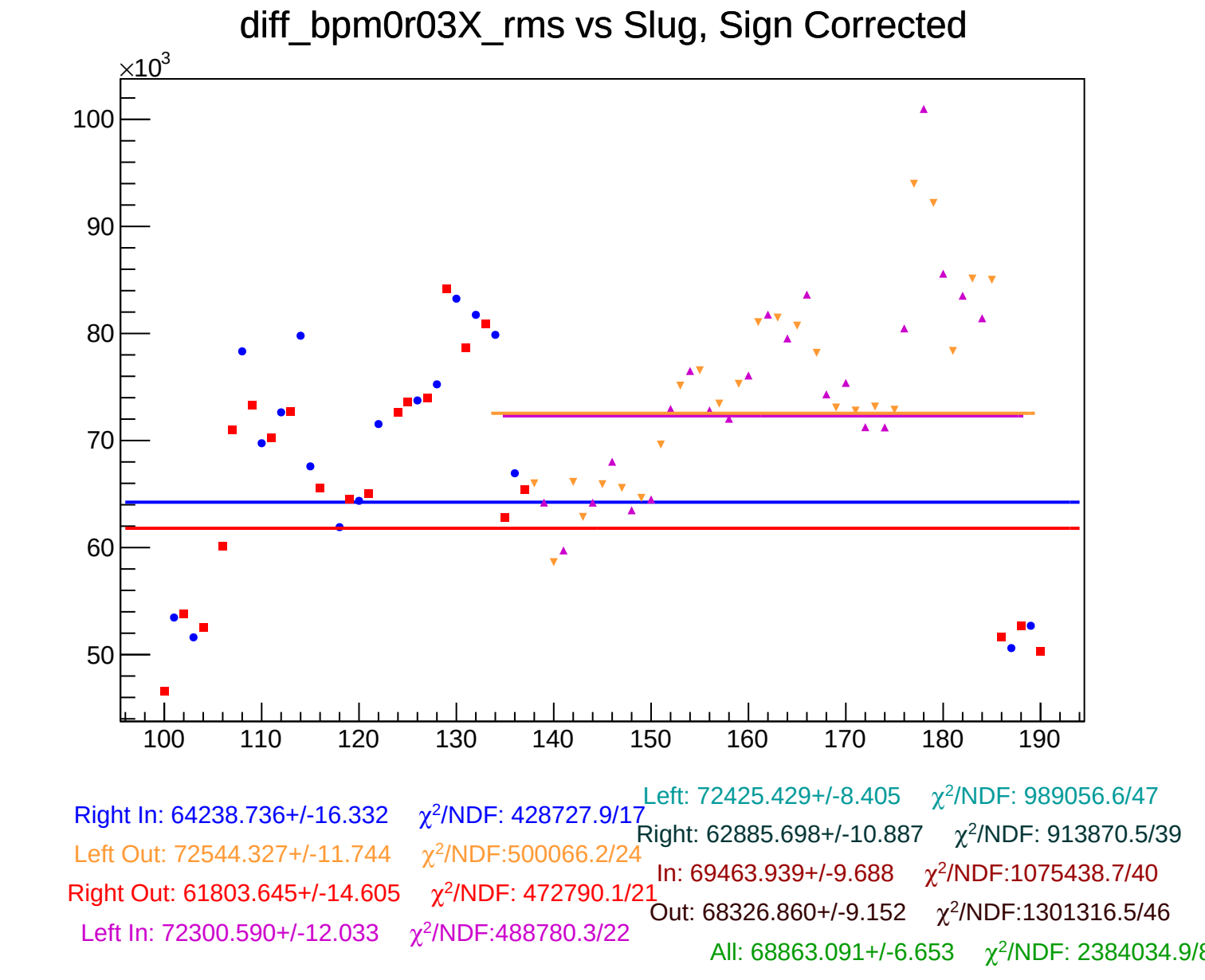
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: -24.831+/-15.396 χ^2/NDF: 67.7/39

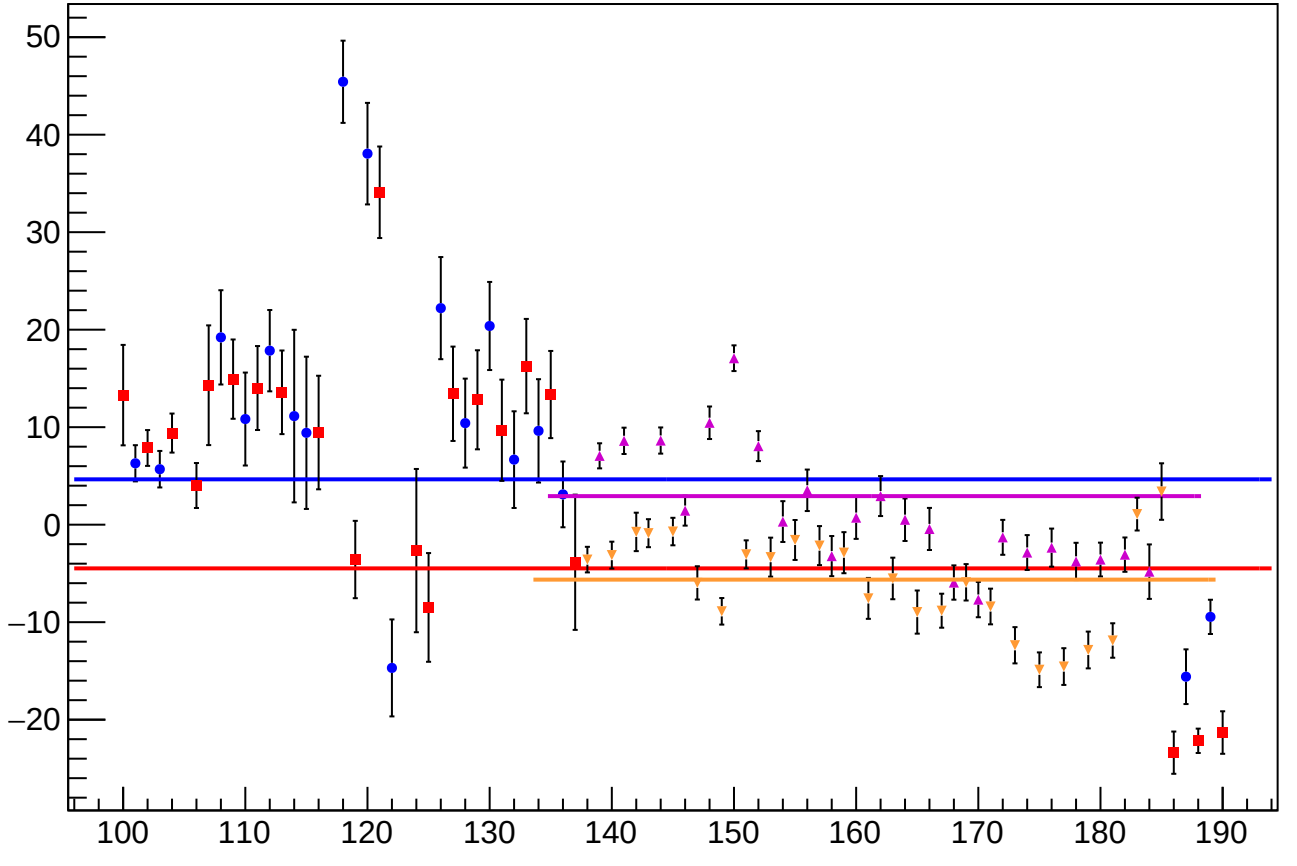
In: -18.538+/-13.701 χ^2/NDF:55.6/40

Out: 15.785+/-12.943 χ^2/NDF:74.4/46

All: -0.401+/-9.408 χ^2/NDF: 133.3/87


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
110
120
130
140
150
160
170
180
190
Right In: 64238.736+/-16.332 χ²/NDF: 428727.9/17
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 61803.645+/-14.605 χ²/NDF: 472790.1/21
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 62885.698+/-10.887 χ²/NDF: 913870.5/39
In: 69463.939+/-9.688 χ²/NDF:1075438.7/40
Out: 68326.860+/-9.152 χ²/NDF:1301316.5/46
All: 68863.091+/-6.653 χ²/NDF: 2384034.9/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 4.651+/-0.783 χ^2/NDF: 315.4/17

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -4.483+/-0.639 χ^2/NDF: 664.2/21

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

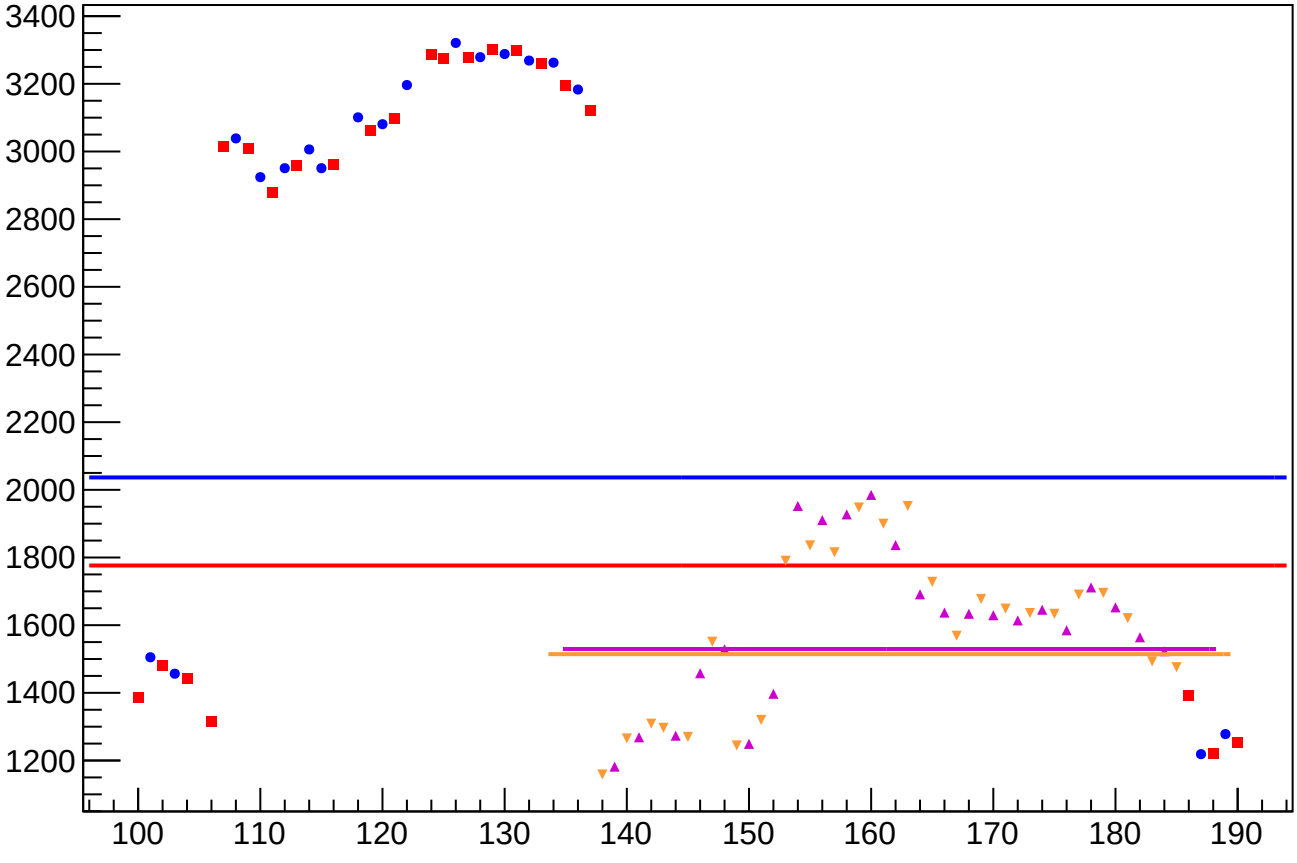
Right: -0.831+/-0.495 χ^2/NDF: 1061.3/39

In: 3.232+/-0.329 χ^2/NDF:656.7/40

Out: -5.371+/-0.306 χ^2/NDF:844.9/46

All: -1.373+/-0.224 χ^2/NDF: 1868.2/87

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2036.615+/-0.554 χ^2/NDF: 2401705.6/17

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1776.379+/-0.452 χ^2/NDF: 2989853.6/21

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

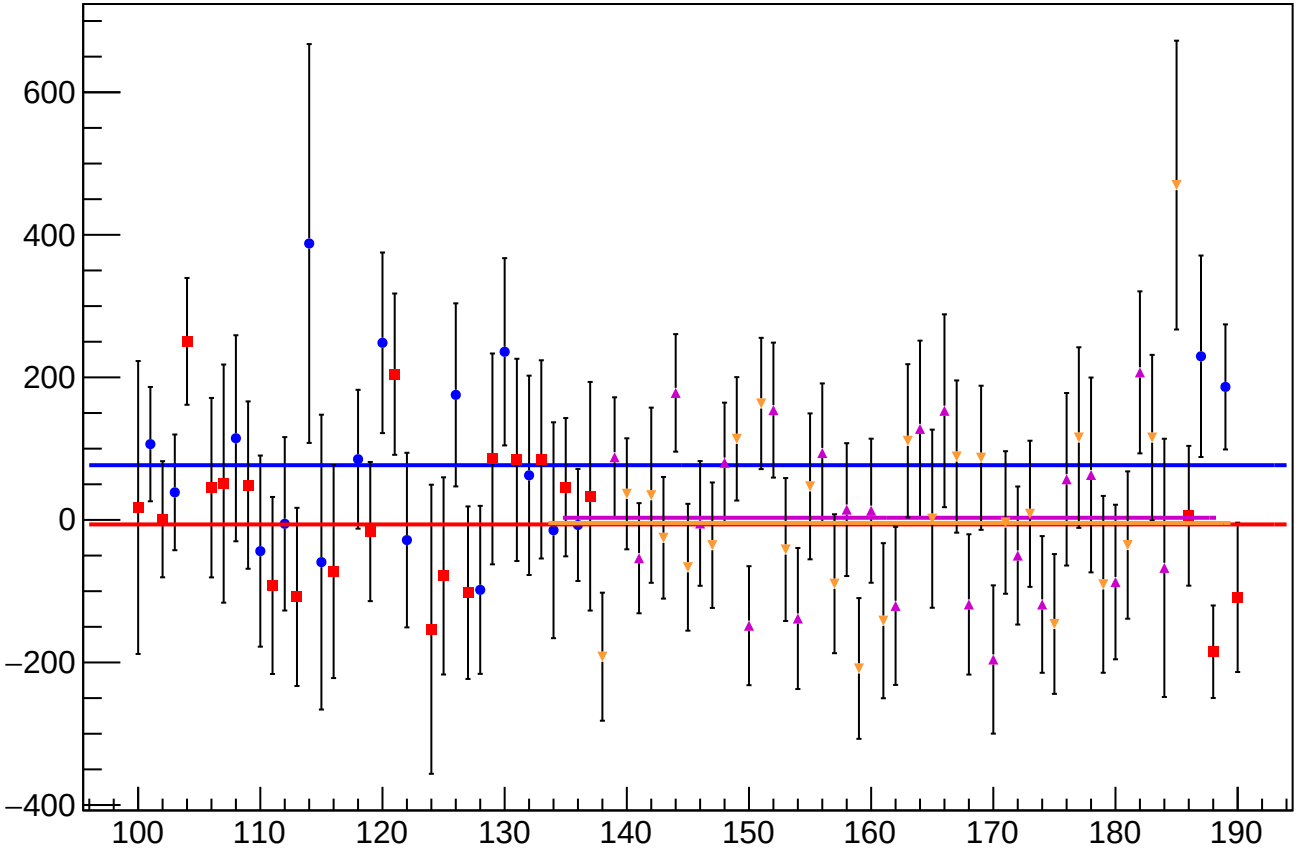
Right: 1880.437+/-0.350 χ^2/NDF: 5524159.3/39

In: 1619.036+/-0.232 χ^2/NDF:3920880.7/40

Out: 1574.536+/-0.217 χ^2/NDF:4182177.6/46

All: 1595.214+/-0.158 χ^2/NDF: 8122670.2/87

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 76.772+/-26.960 χ^2/NDF: 14.4/17

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -6.324+/-24.266 χ^2/NDF: 25.2/21

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

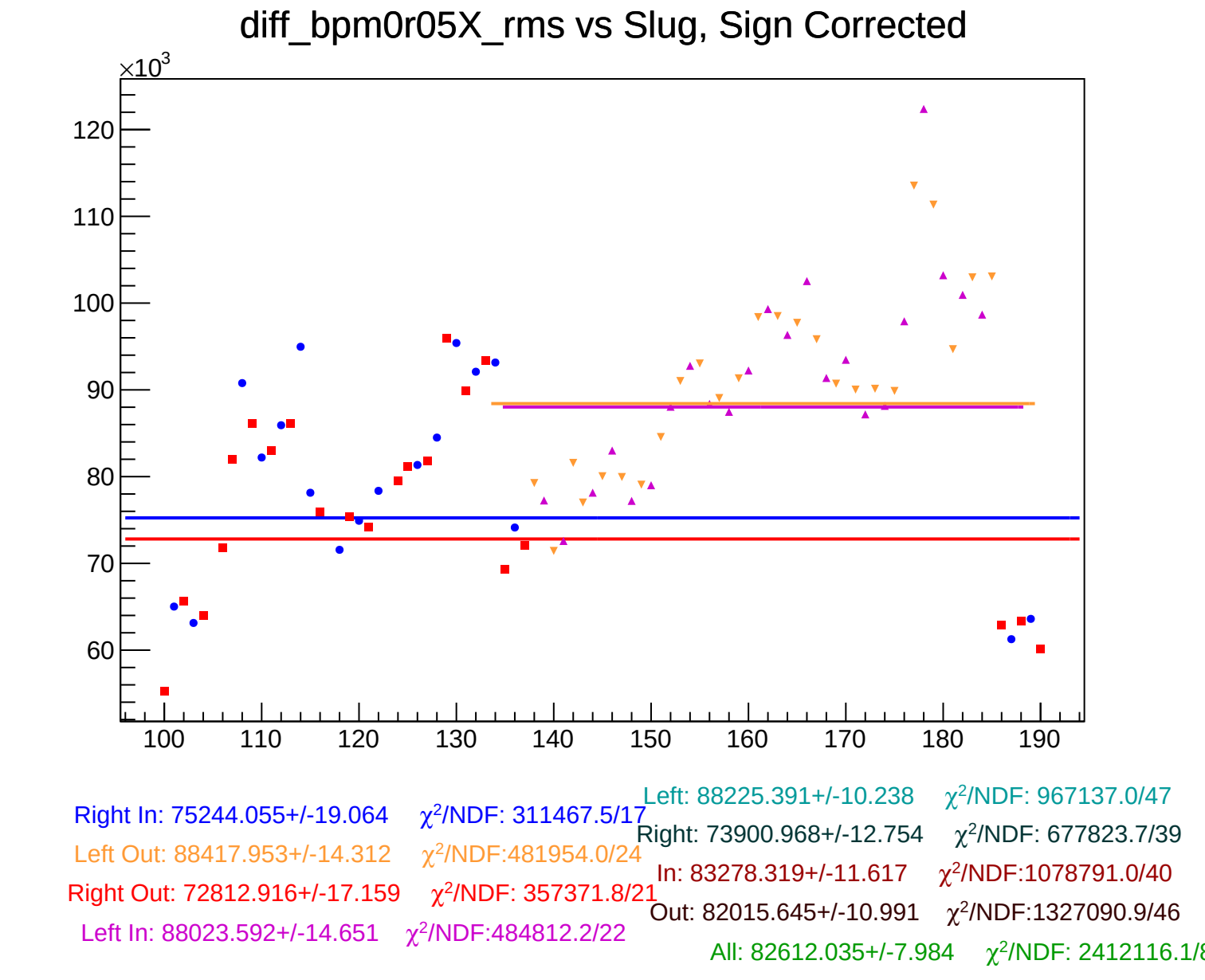
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 30.866+/-18.036 χ^2/NDF: 44.9/39

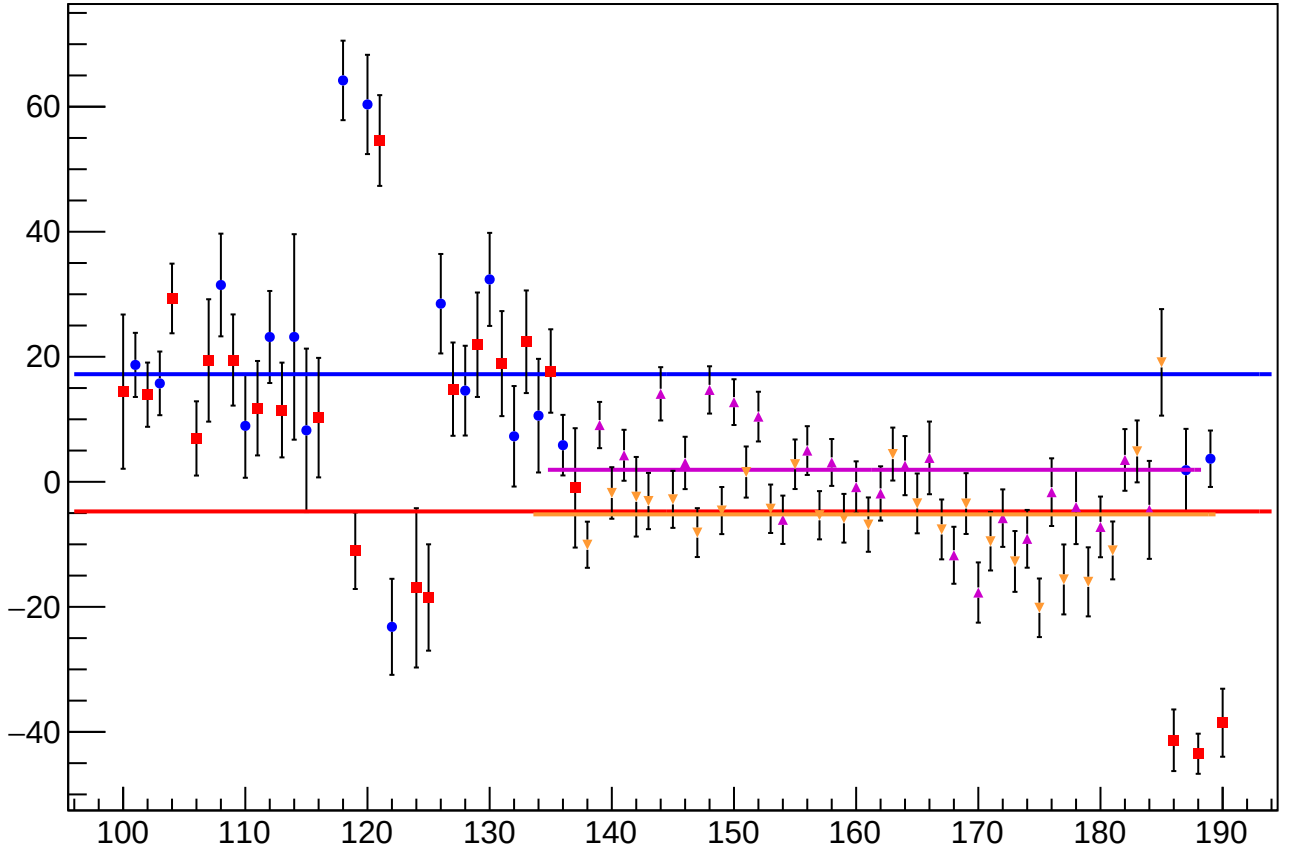
In: 30.403+/-16.429 χ^2/NDF:49.9/40

Out: -5.115+/-15.543 χ^2/NDF:55.7/46

All: 11.661+/-11.291 χ^2/NDF: 108.0/87


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
190
Right In: 75244.055+/-19.064 χ²/NDF: 311467.5/17
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 72812.916+/-17.159 χ²/NDF: 357371.8/21
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 73900.968+/-12.754 χ²/NDF: 677823.7/39
In: 83278.319+/-11.617 χ²/NDF:1078791.0/40
Out: 82015.645+/-10.991 χ²/NDF:1327090.9/46
All: 82612.035+/-7.984 χ²/NDF: 2412116.1/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 17.216+/-1.608 χ^2/NDF: 145.5/17

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -4.736+/-1.397 χ^2/NDF: 444.4/21

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

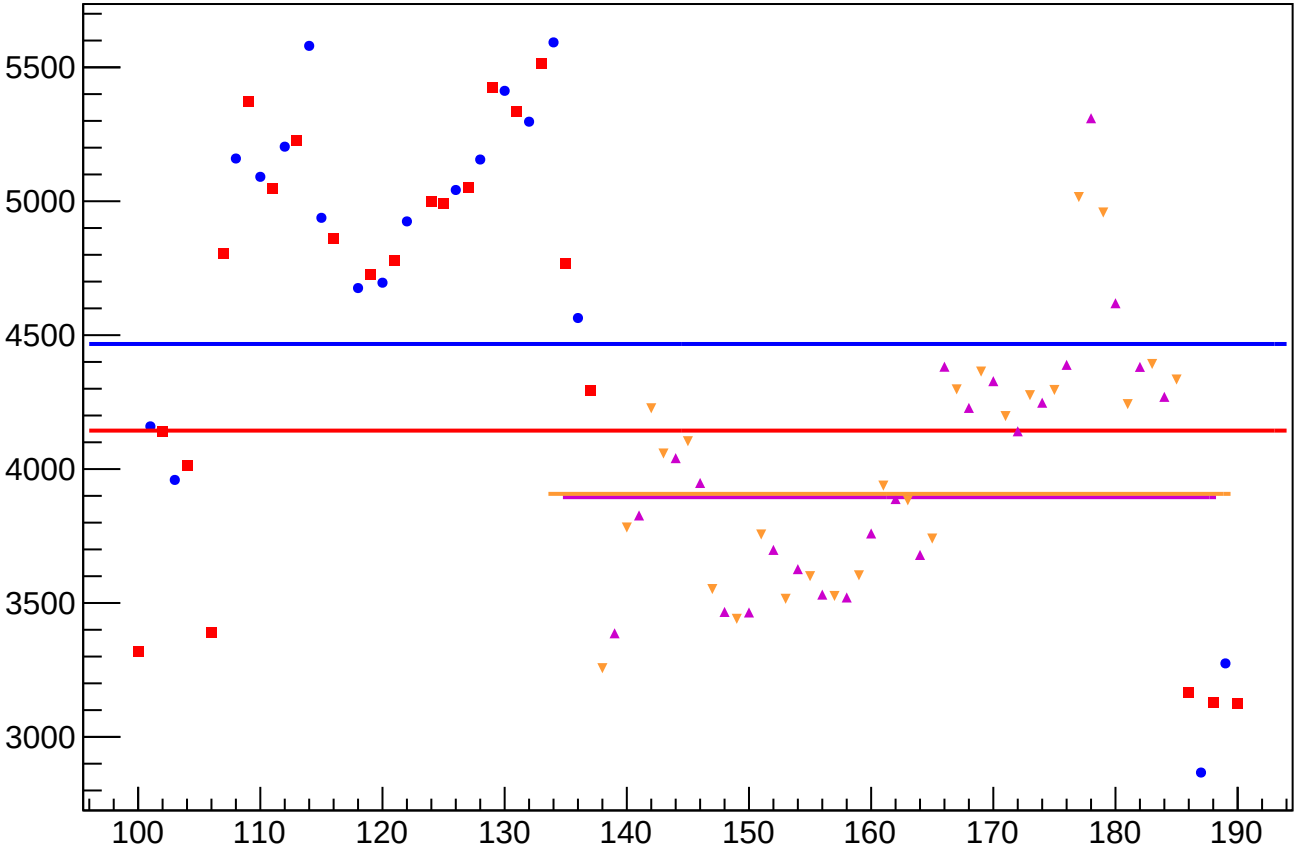
Right: 4.705+/-1.054 χ^2/NDF: 696.1/39

In: 5.673+/-0.796 χ^2/NDF:297.0/40

Out: -5.069+/-0.753 χ^2/NDF:495.4/46

All: 0.003+/-0.547 χ^2/NDF: 888.6/87

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4467.061+/-1.137 χ^2/NDF: 466197.3/17

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4143.629+/-0.988 χ^2/NDF: 791379.7/21

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

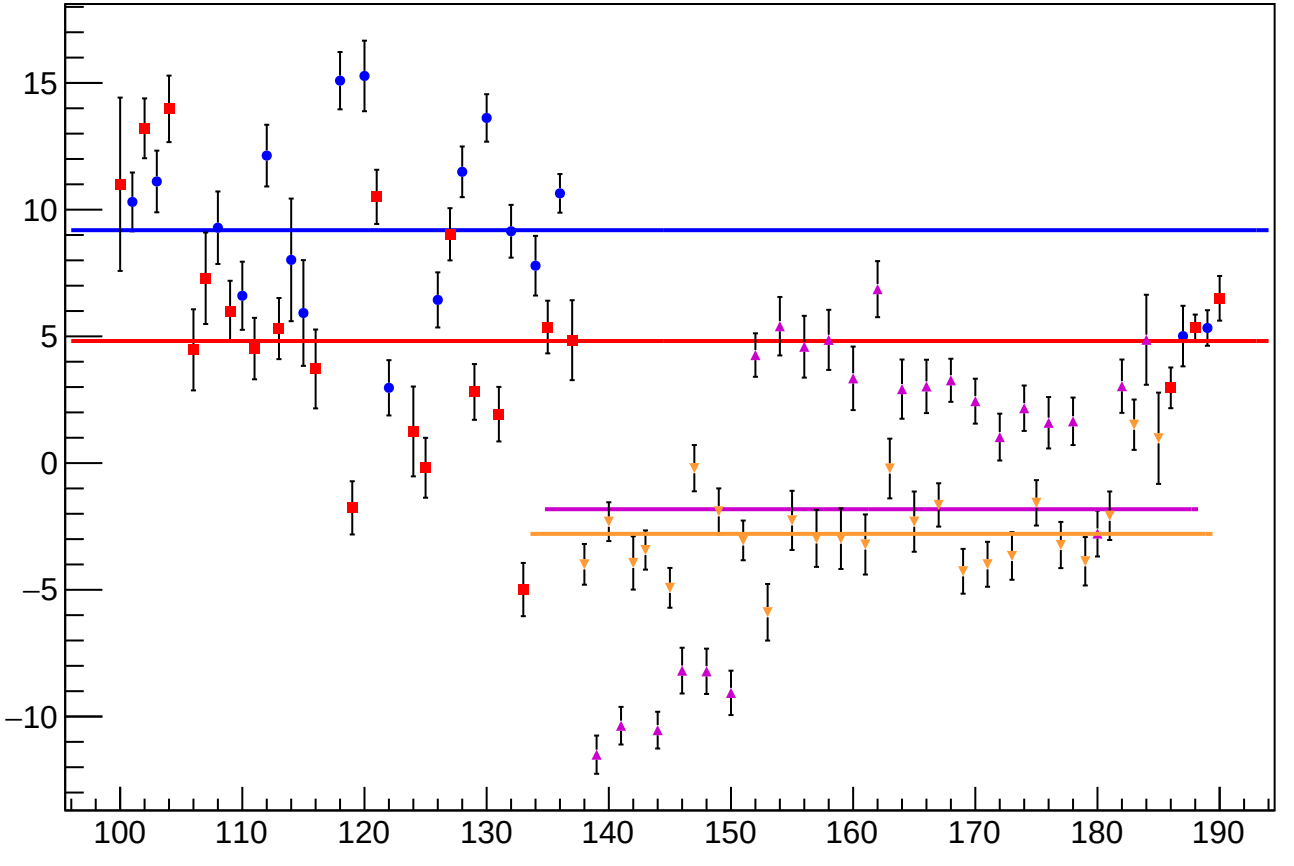
Right: 4282.735+/-0.746 χ^2/NDF: 1303711.7/39

In: 4035.348+/-0.563 χ^2/NDF:1067190.4/40

Out: 3976.093+/-0.532 χ^2/NDF:1273153.5/46

All: 4004.069+/-0.387 χ^2/NDF: 2346193.5/87

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 9.190+/-0.260 χ^2/NDF: 176.1/17

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 4.817+/-0.231 χ^2/NDF: 320.3/21

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

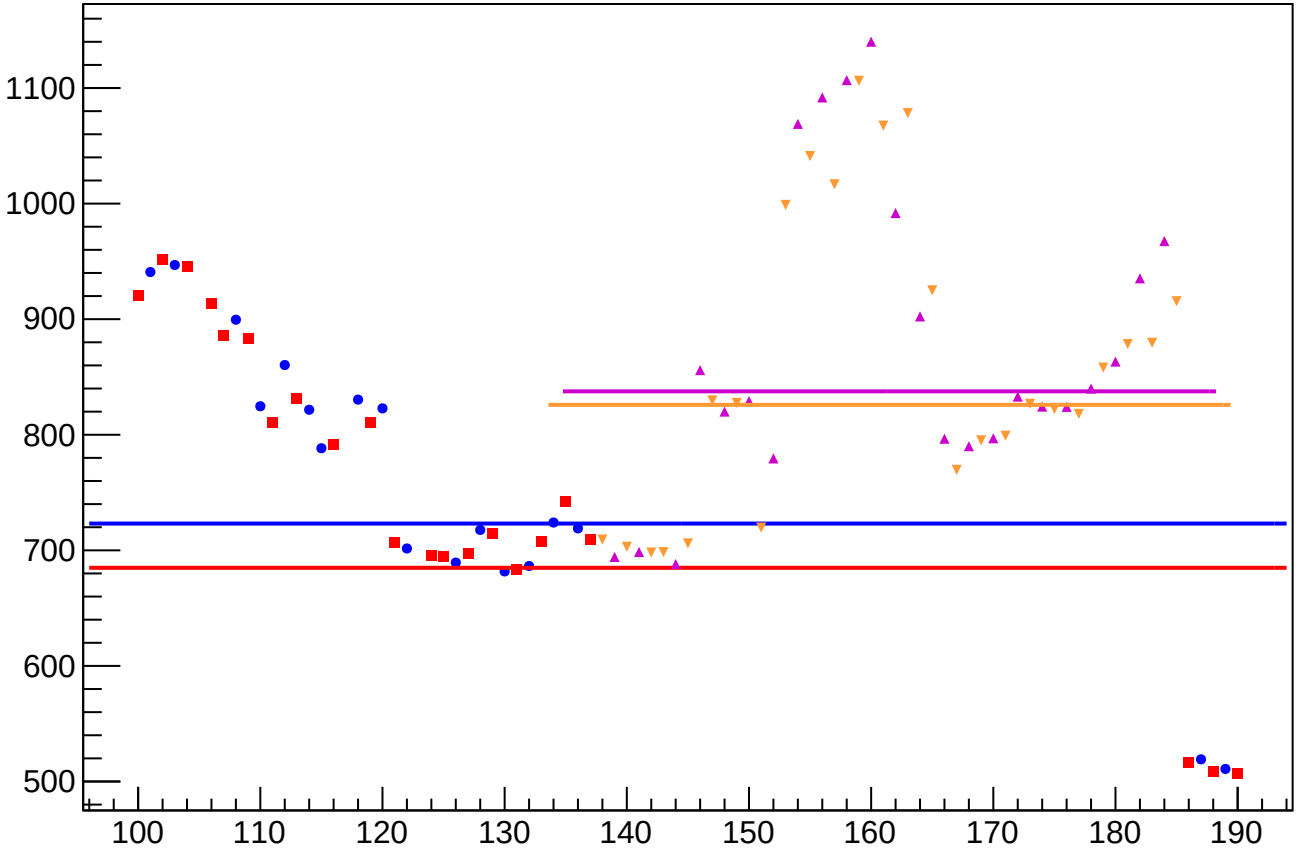
Right: 6.741+/-0.173 χ^2/NDF: 654.5/39

In: 2.220+/-0.158 χ^2/NDF:2334.8/40

Out: 0.285+/-0.147 χ^2/NDF:1037.1/46

All: 1.183+/-0.107 χ^2/NDF: 3452.6/87

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 723.170+/-0.184 χ^2/NDF: 489592.6/17

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 684.901+/-0.163 χ^2/NDF: 810778.9/21

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

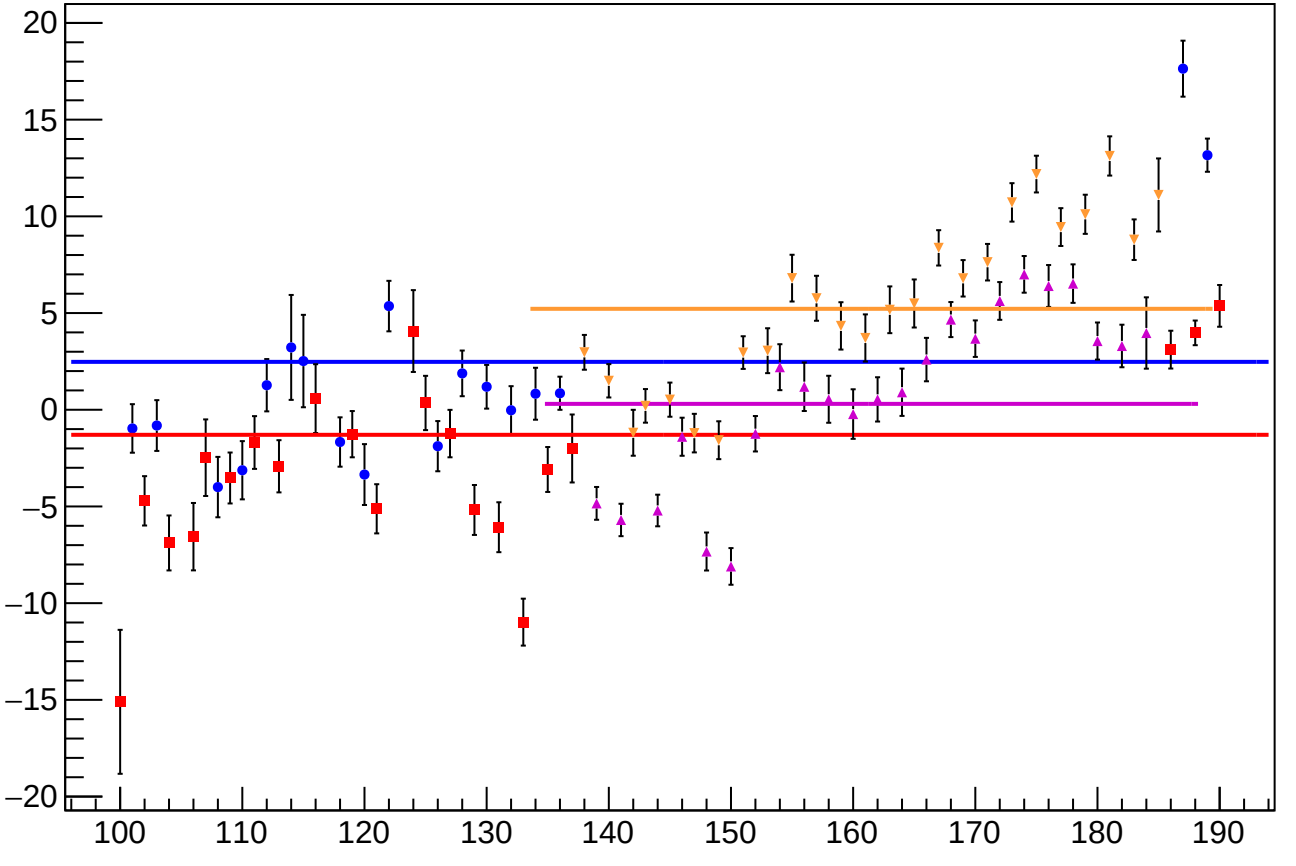
Right: 701.732+/-0.122 χ^2/NDF: 1324590.3/39

In: 795.591+/-0.111 χ^2/NDF:1448321.3/40

Out: 768.859+/-0.104 χ^2/NDF:2020890.7/46

All: 781.261+/-0.076 χ^2/NDF: 3500030.8/87

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 2.476+/-0.301 χ^2/NDF: 361.7/17

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.296+/-0.269 χ^2/NDF: 284.2/21

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

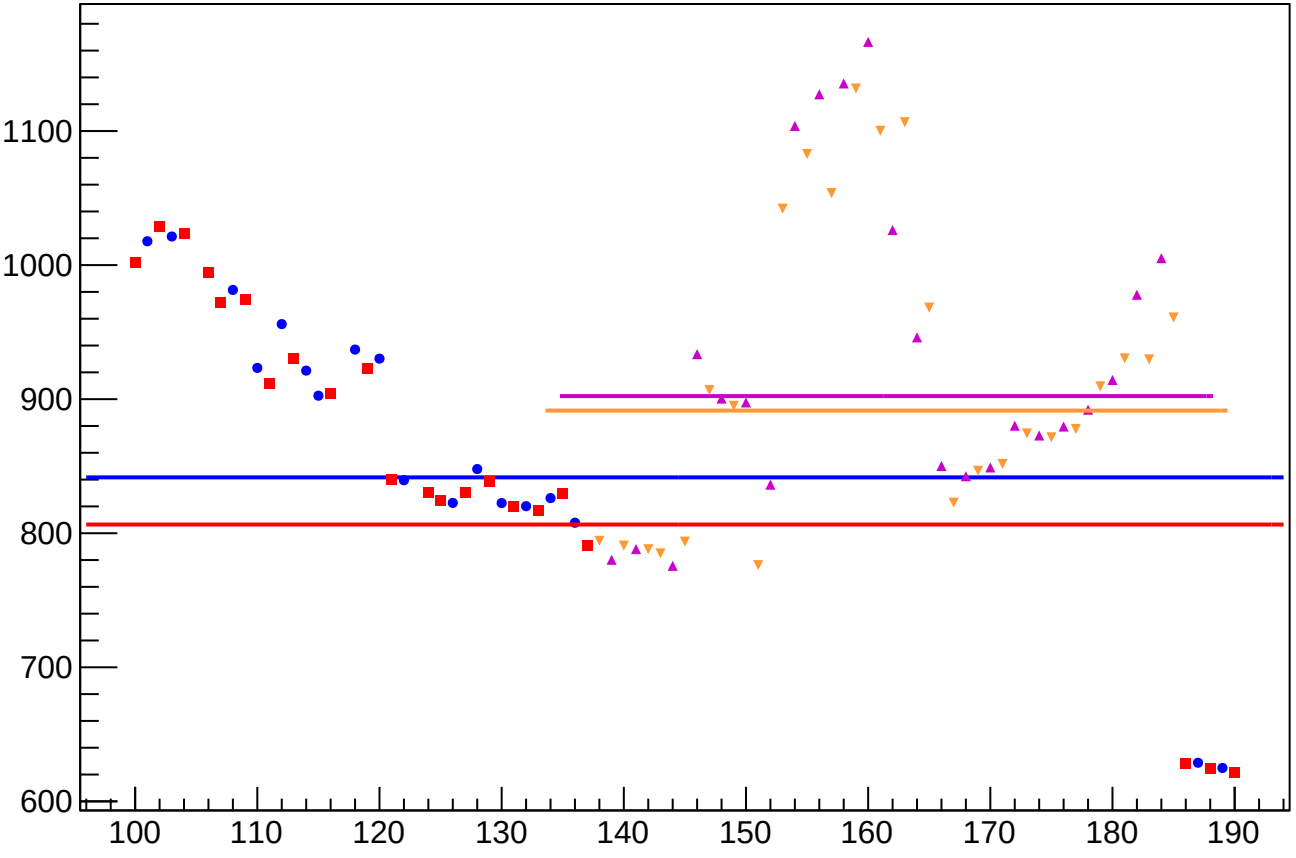
Right: 0.381+/-0.201 χ^2/NDF: 733.0/39

In: 1.027+/-0.174 χ^2/NDF:891.6/40

Out: 2.840+/-0.163 χ^2/NDF:1105.2/46

All: 1.992+/-0.119 χ^2/NDF: 2054.8/87

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 841.666+/-0.213 χ^2/NDF: 309560.9/17

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 806.498+/-0.191 χ^2/NDF: 529590.4/21

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

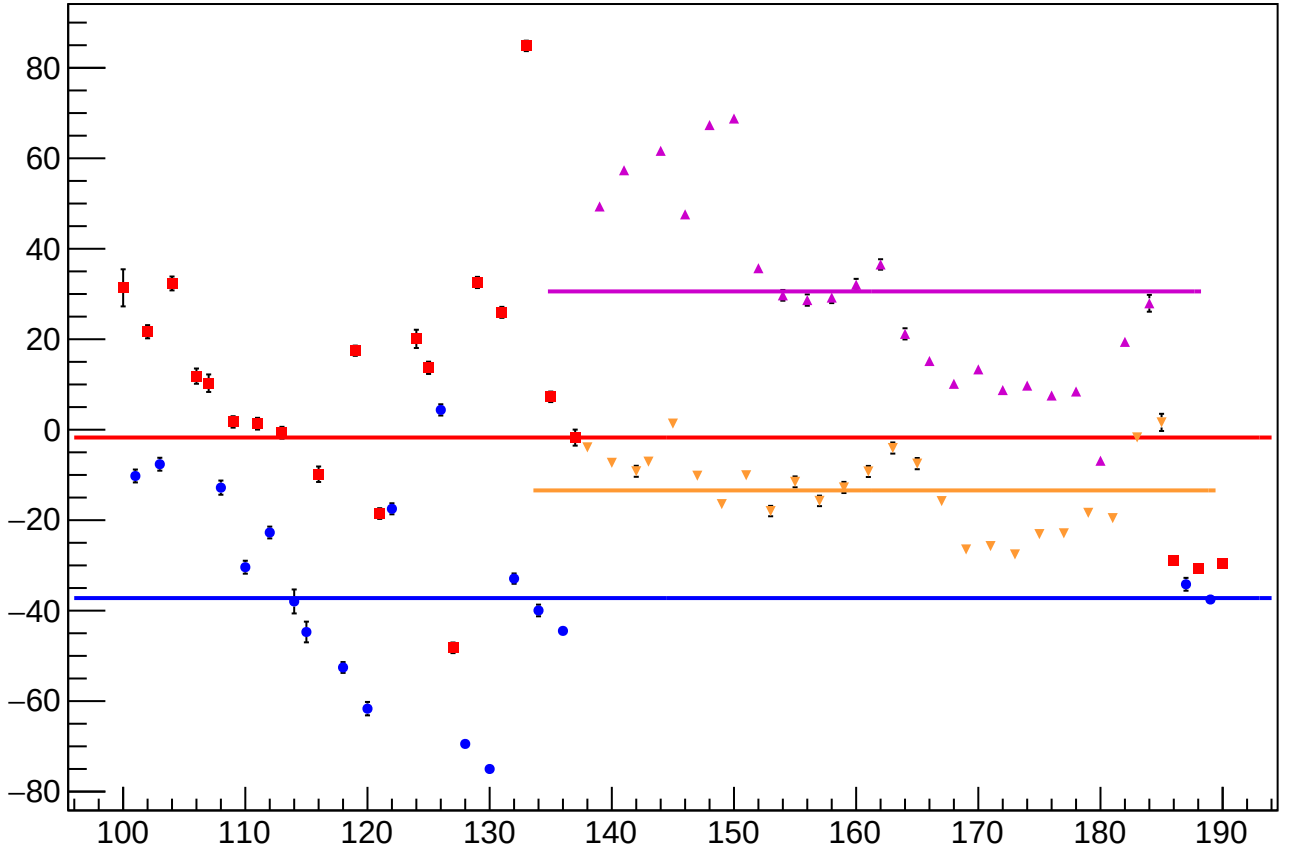
Right: 822.133+/-0.142 χ^2/NDF: 854296.4/39

In: 882.122+/-0.123 χ^2/NDF:848563.3/40

Out: 860.453+/-0.115 χ^2/NDF:1173703.9/46

All: 870.588+/-0.084 χ^2/NDF: 2038831.5/87

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.222+/-0.293 χ^2/NDF: 5189.6/17

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -1.725+/-0.262 χ^2/NDF: 14012.7/21

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

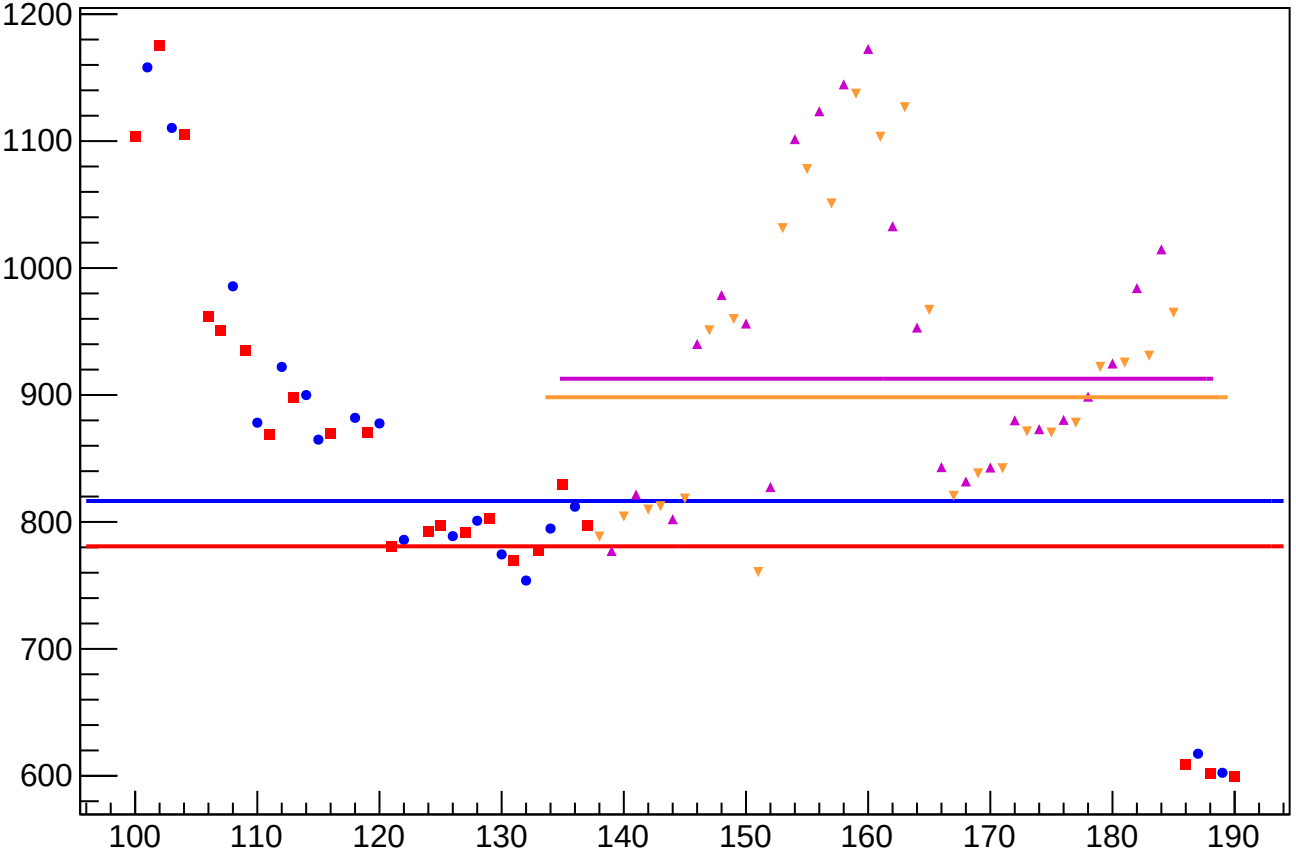
Right: -17.462+/-0.195 χ^2/NDF: 27351.9/39

In: 6.858+/-0.174 χ^2/NDF:50296.9/40

Out: -8.949+/-0.162 χ^2/NDF:16908.7/46

All: -1.593+/-0.118 χ^2/NDF: 71643.6/87

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 816.496+/-0.207 χ^2/NDF: 437208.2/17

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 780.802+/-0.185 χ^2/NDF: 661916.7/21

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

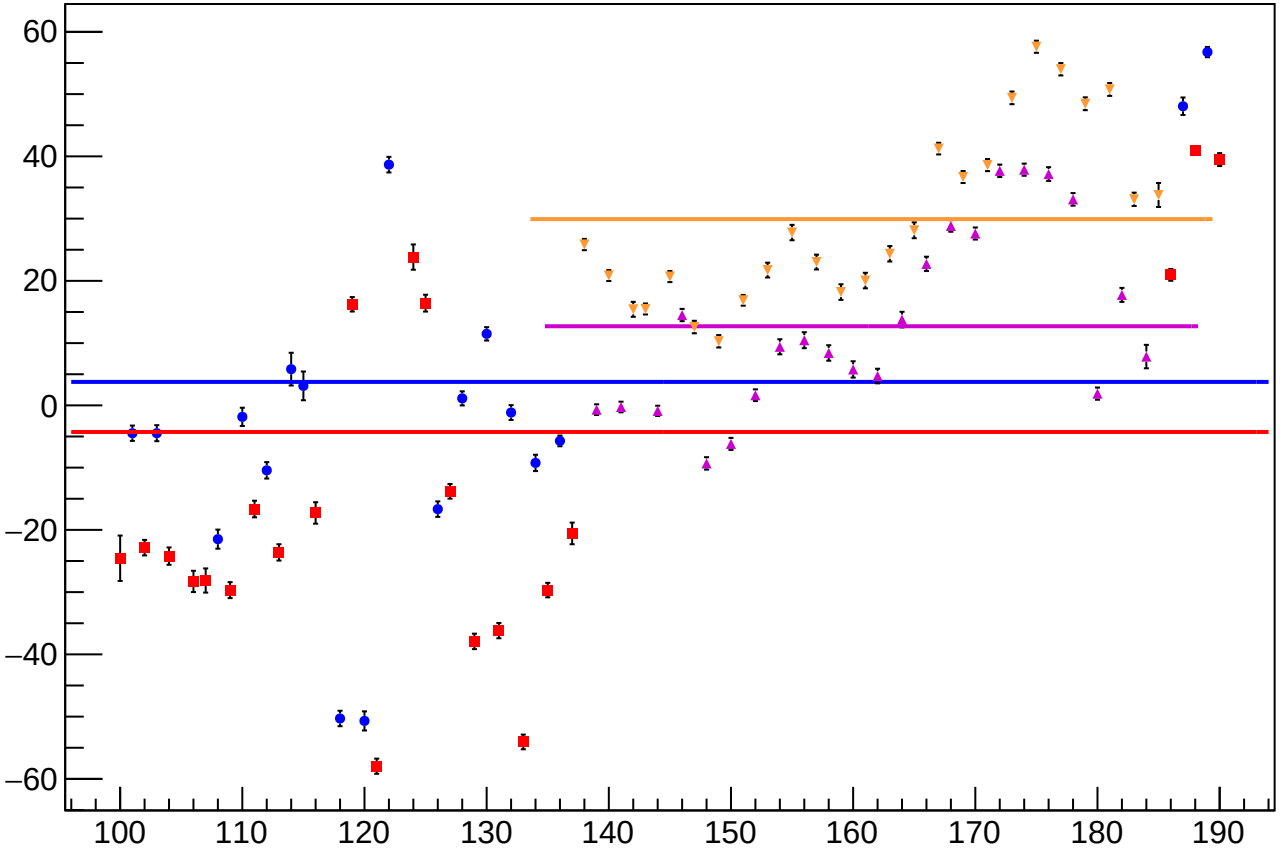
Right: 796.627+/-0.138 χ^2/NDF: 1115605.9/39

In: 879.125+/-0.123 χ^2/NDF:1057409.2/40

Out: 853.339+/-0.114 χ^2/NDF:1428818.2/46

All: 865.339+/-0.084 χ^2/NDF: 2509844.6/87

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 3.770+/-0.293 χ^2/NDF: 10067.9/17

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -4.272+/-0.261 χ^2/NDF: 15958.1/21

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

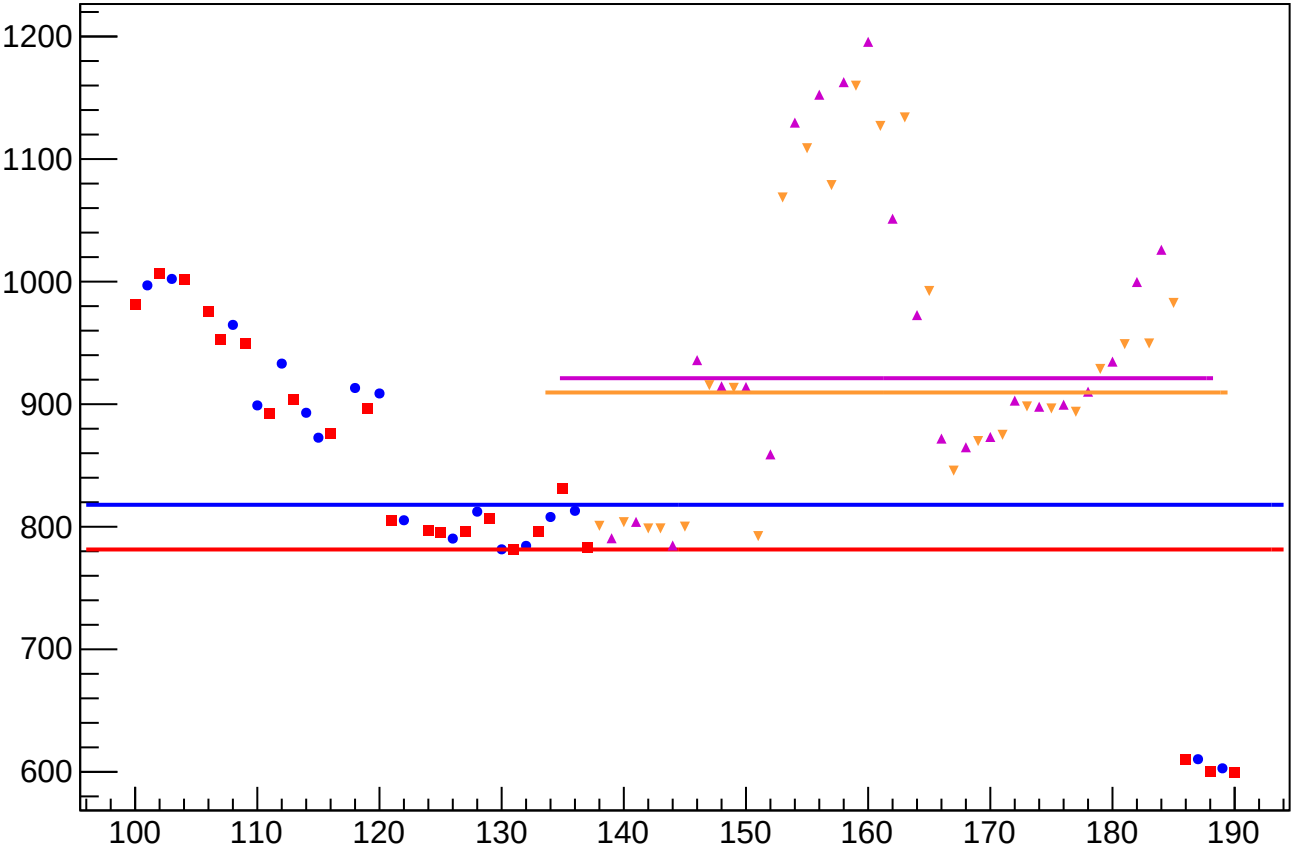
Right: -0.708+/-0.195 χ^2/NDF: 26445.9/39

In: 9.537+/-0.174 χ^2/NDF:15460.2/40

Out: 16.613+/-0.163 χ^2/NDF:31000.8/46

All: 13.315+/-0.119 χ^2/NDF: 47339.6/87

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 817.919+/-0.207 χ^2/NDF: 328512.2/17

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 781.456+/-0.185 χ^2/NDF: 561026.1/21

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

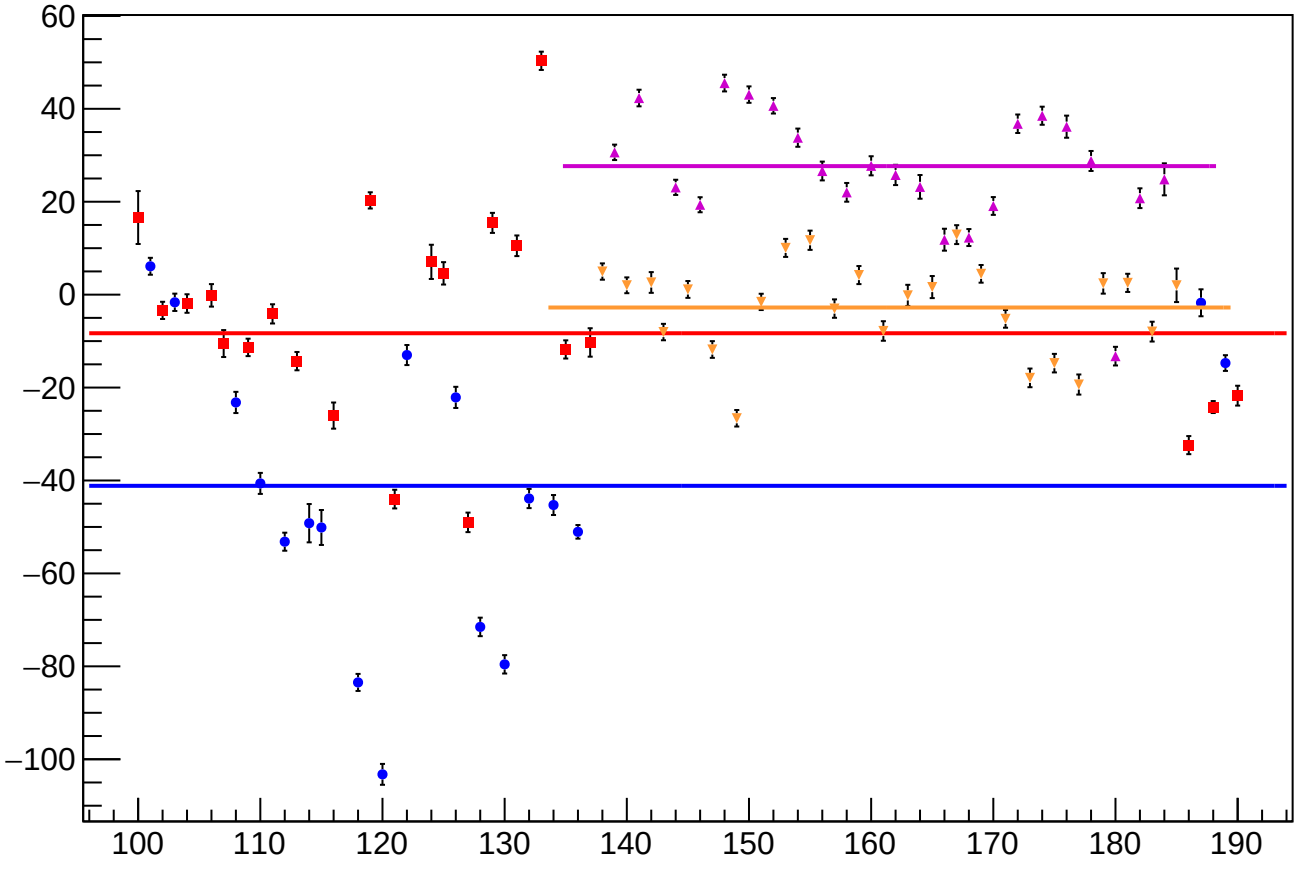
Right: 797.616+/-0.138 χ^2/NDF: 906803.4/39

In: 884.562+/-0.123 χ^2/NDF:986366.8/40

Out: 859.697+/-0.115 χ^2/NDF:1396380.5/46

All: 871.289+/-0.084 χ^2/NDF: 2404445.4/87

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -41.148+/-0.490 χ^2/NDF: 3857.9/17

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -8.307+/-0.450 χ^2/NDF: 2538.9/21

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

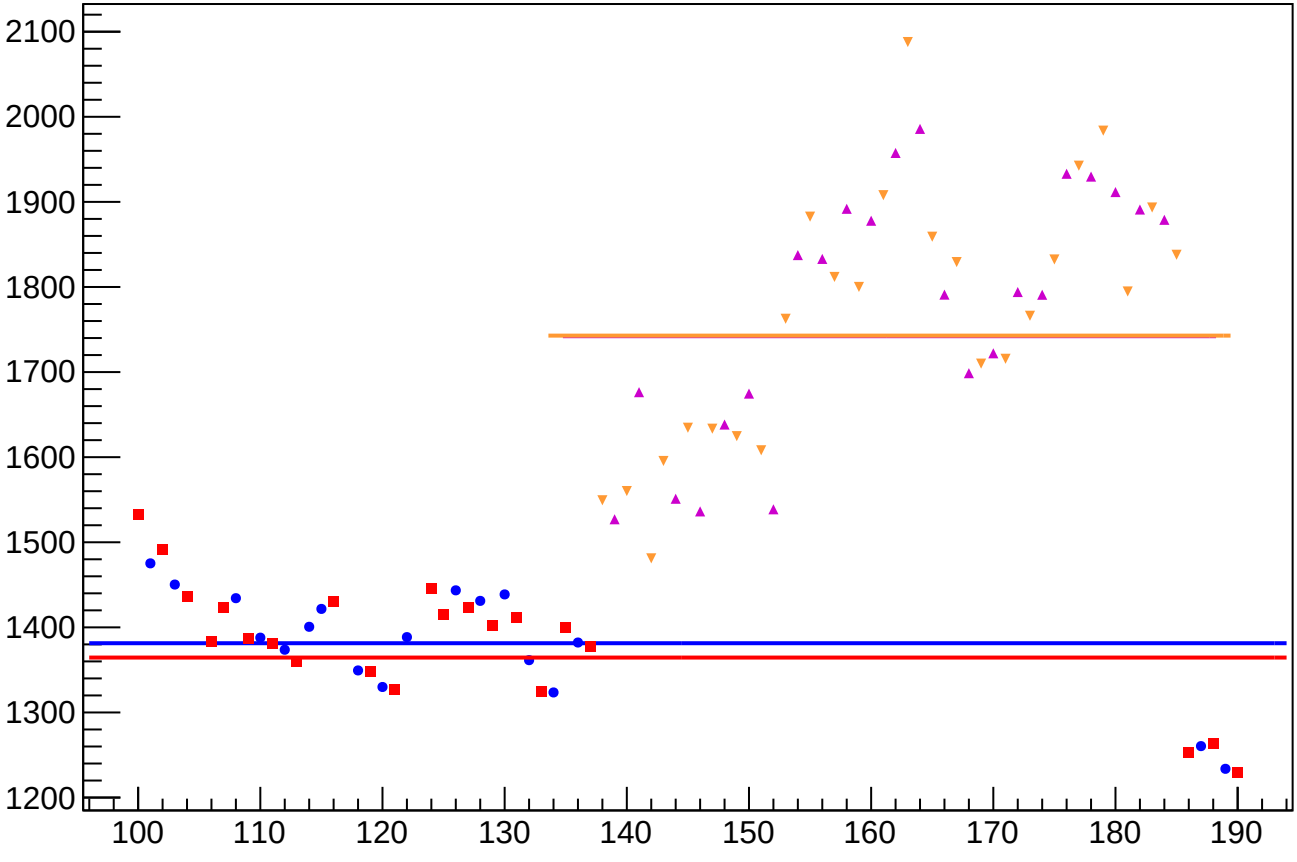
Right: -23.329+/-0.331 χ^2/NDF: 8835.4/39

In: -0.580+/-0.314 χ^2/NDF:16480.9/40

Out: -5.196+/-0.298 χ^2/NDF:3240.2/46

All: -3.009+/-0.216 χ^2/NDF: 19835.0/87

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1381.373+/-0.346 χ^2/NDF: 35859.6/17

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1364.515+/-0.318 χ^2/NDF: 50452.5/21

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

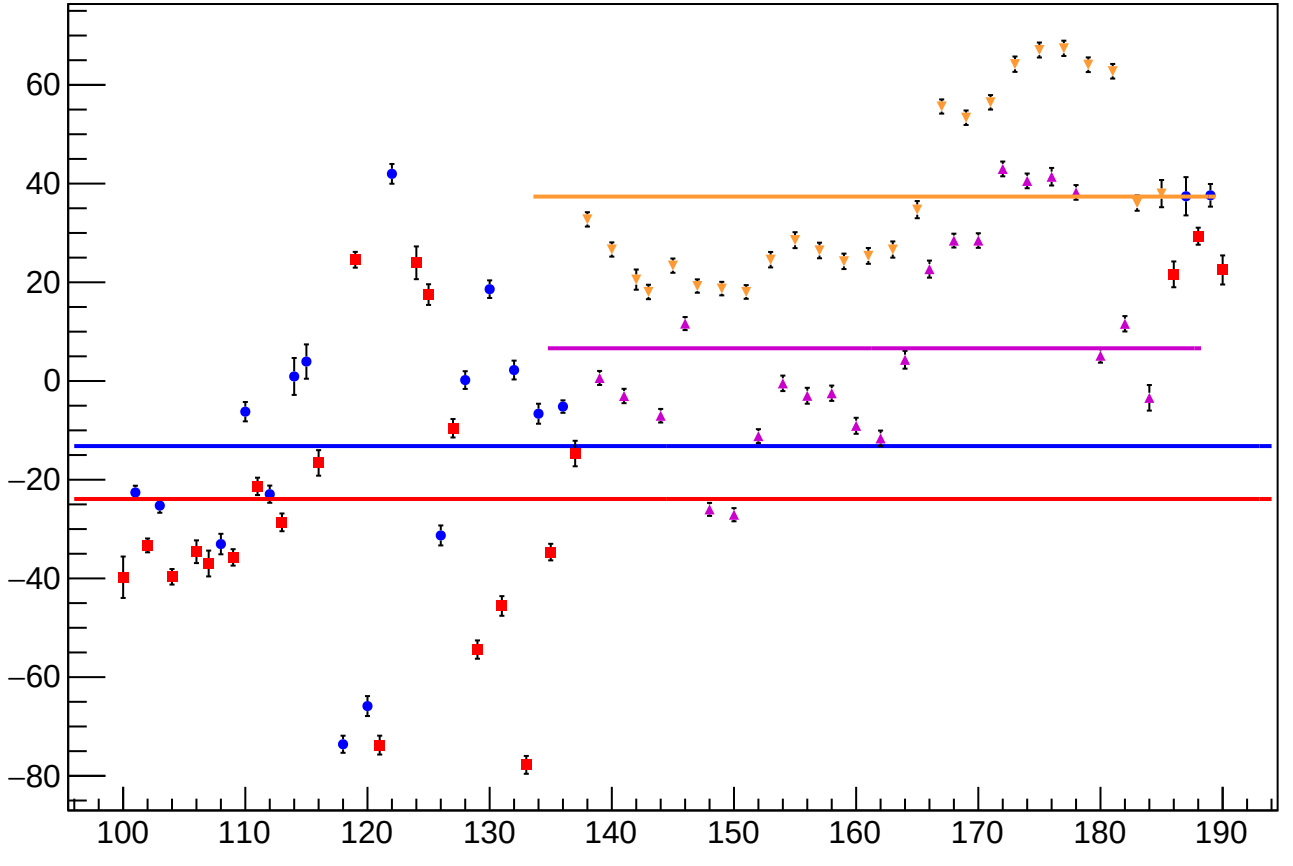
Right: 1372.227+/-0.234 χ^2/NDF: 87597.2/39

In: 1594.074+/-0.222 χ^2/NDF:937056.3/40

Out: 1576.980+/-0.211 χ^2/NDF:1108201.1/46

All: 1585.080+/-0.153 χ^2/NDF: 2048379.4/87

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -13.183+/-0.444 χ^2/NDF: 4172.9/17

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -23.903+/-0.420 χ^2/NDF: 5359.8/21

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

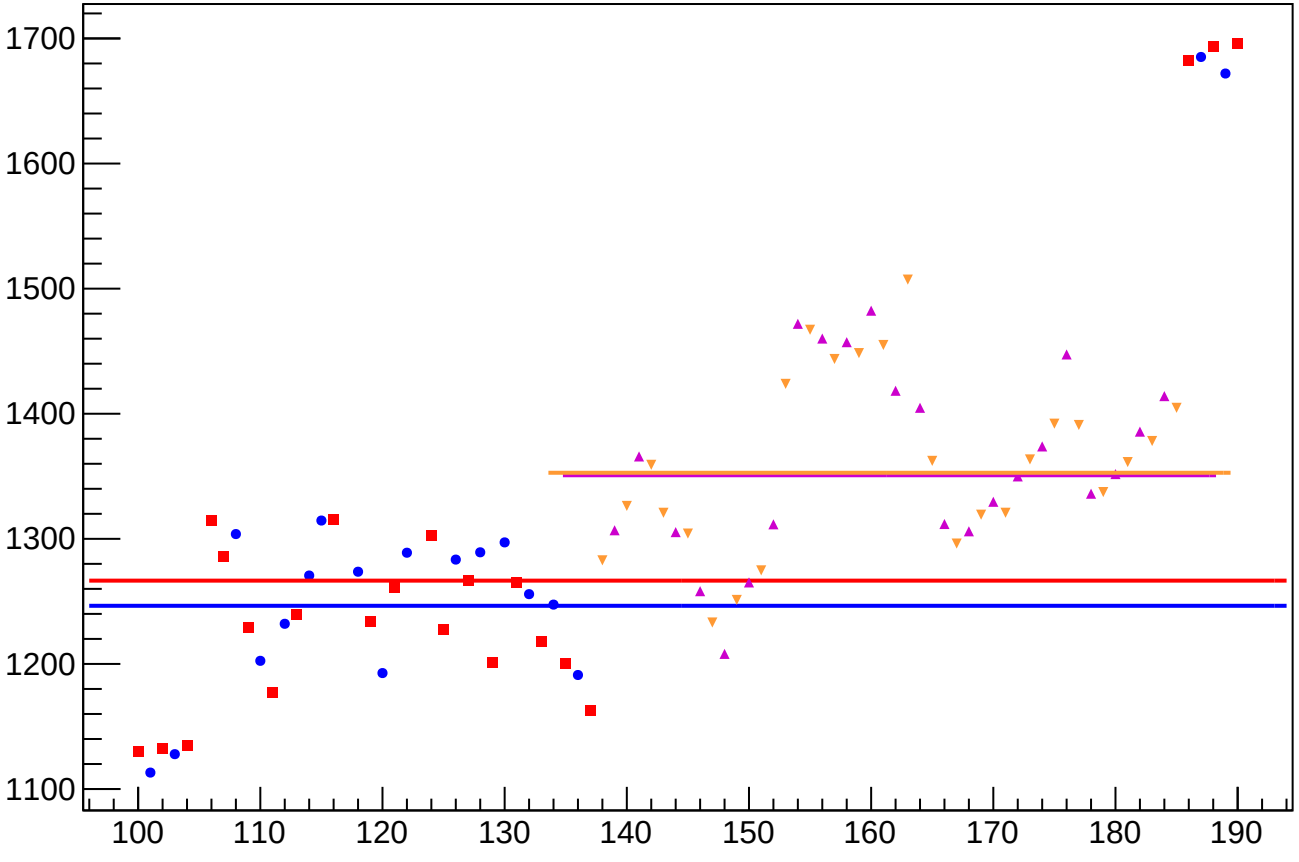
Right: -18.832+/-0.305 χ^2/NDF: 9840.3/39

In: -0.041+/-0.257 χ^2/NDF:9906.5/40

Out: 15.972+/-0.248 χ^2/NDF:22587.5/46

All: 8.253+/-0.179 χ^2/NDF: 34498.0/87

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1246.473+/-0.314 χ^2/NDF: 140162.4/17

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1266.589+/-0.297 χ^2/NDF: 270083.5/21

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

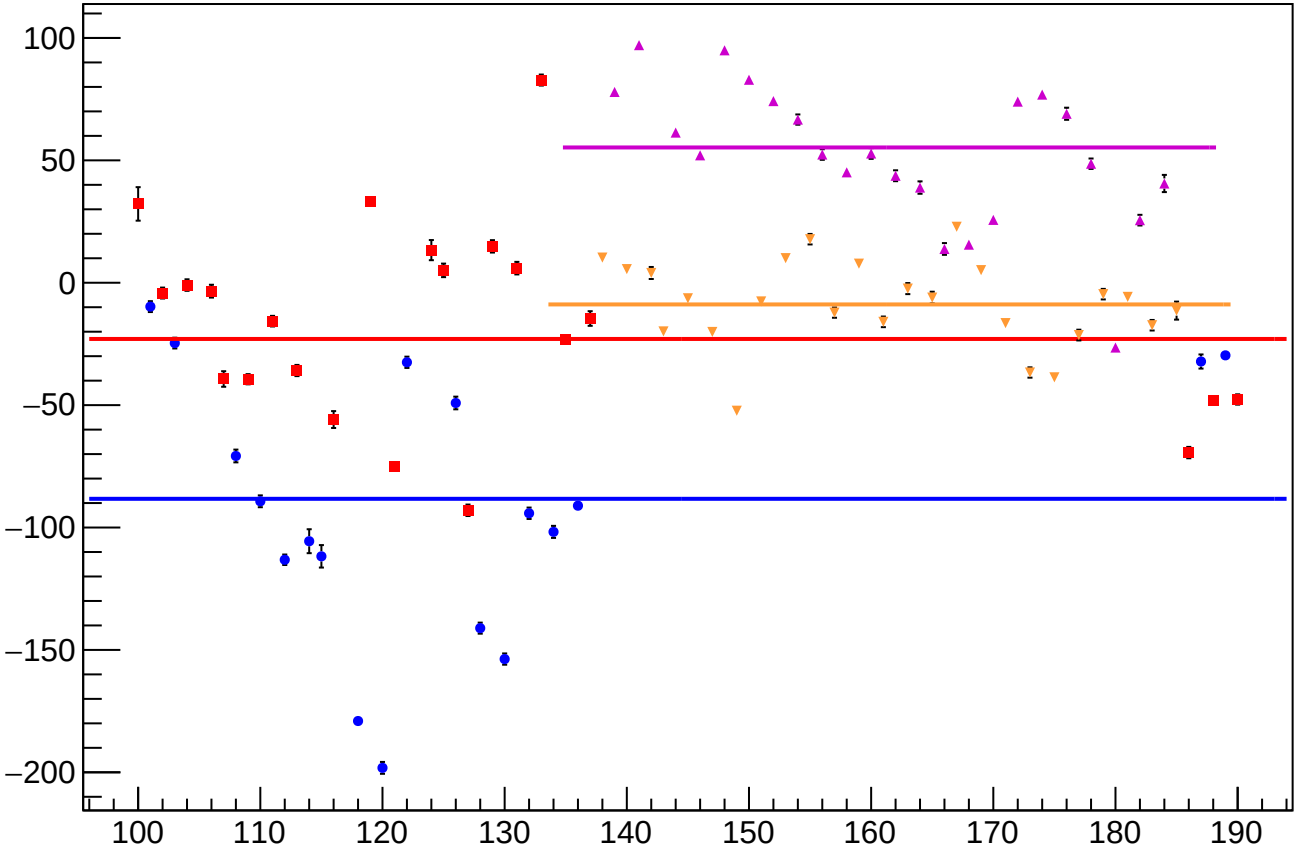
Right: 1257.074+/-0.216 χ^2/NDF: 412413.0/39

In: 1315.691+/-0.182 χ^2/NDF:322190.1/40

Out: 1322.707+/-0.176 χ^2/NDF:429722.3/46

All: 1319.325+/-0.126 χ^2/NDF: 752681.8/87

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -88.269+/-0.538 χ^2/NDF: 10138.2/17

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -22.964+/-0.493 χ^2/NDF: 6513.8/21

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

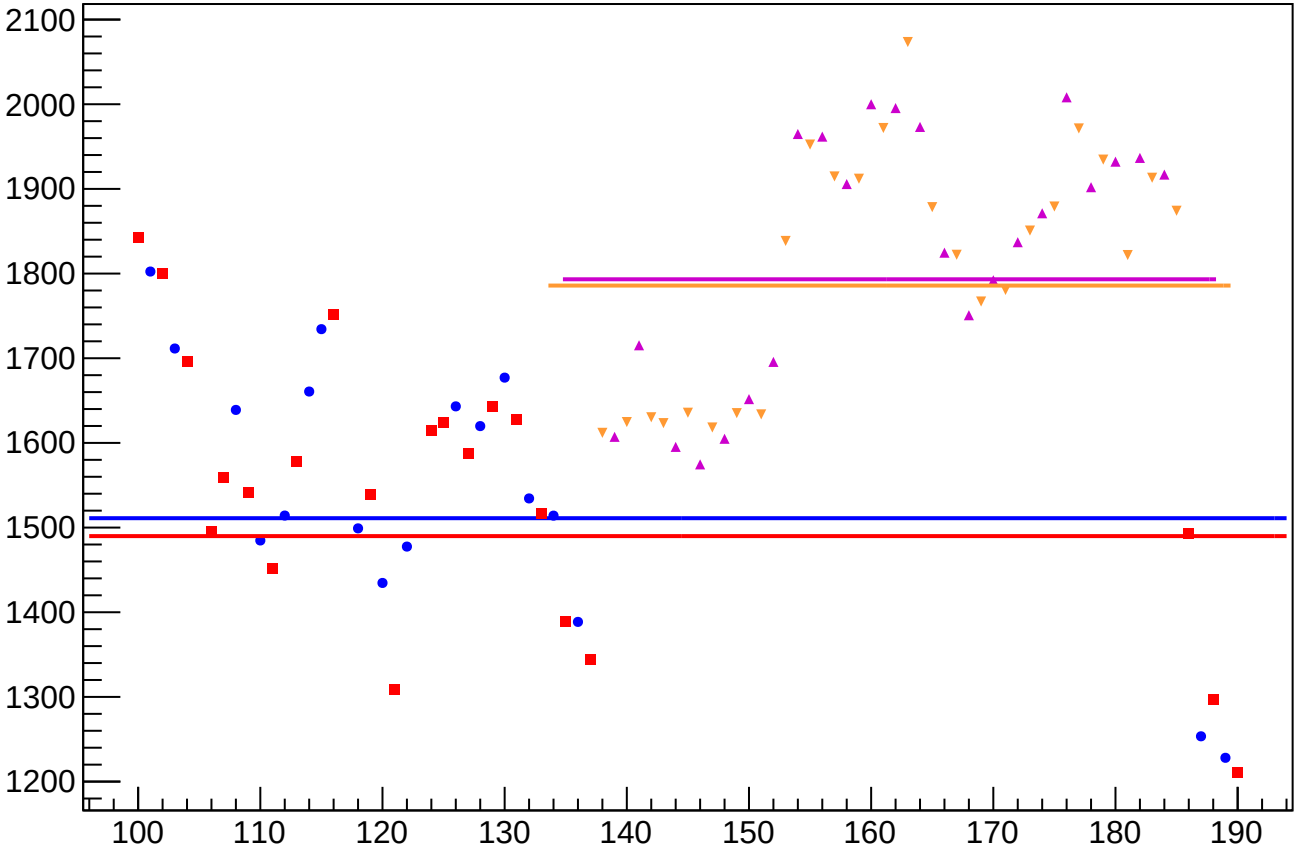
Right: -52.776+/-0.364 χ^2/NDF: 24650.1/39

In: 0.879+/-0.331 χ^2/NDF:59028.1/40

Out: -14.574+/-0.314 χ^2/NDF:8953.1/46

All: -7.262+/-0.228 χ^2/NDF: 69126.9/87

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1511.084+/-0.381 χ^2/NDF: 171670.3/17

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1489.926+/-0.349 χ^2/NDF: 205831.9/21

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

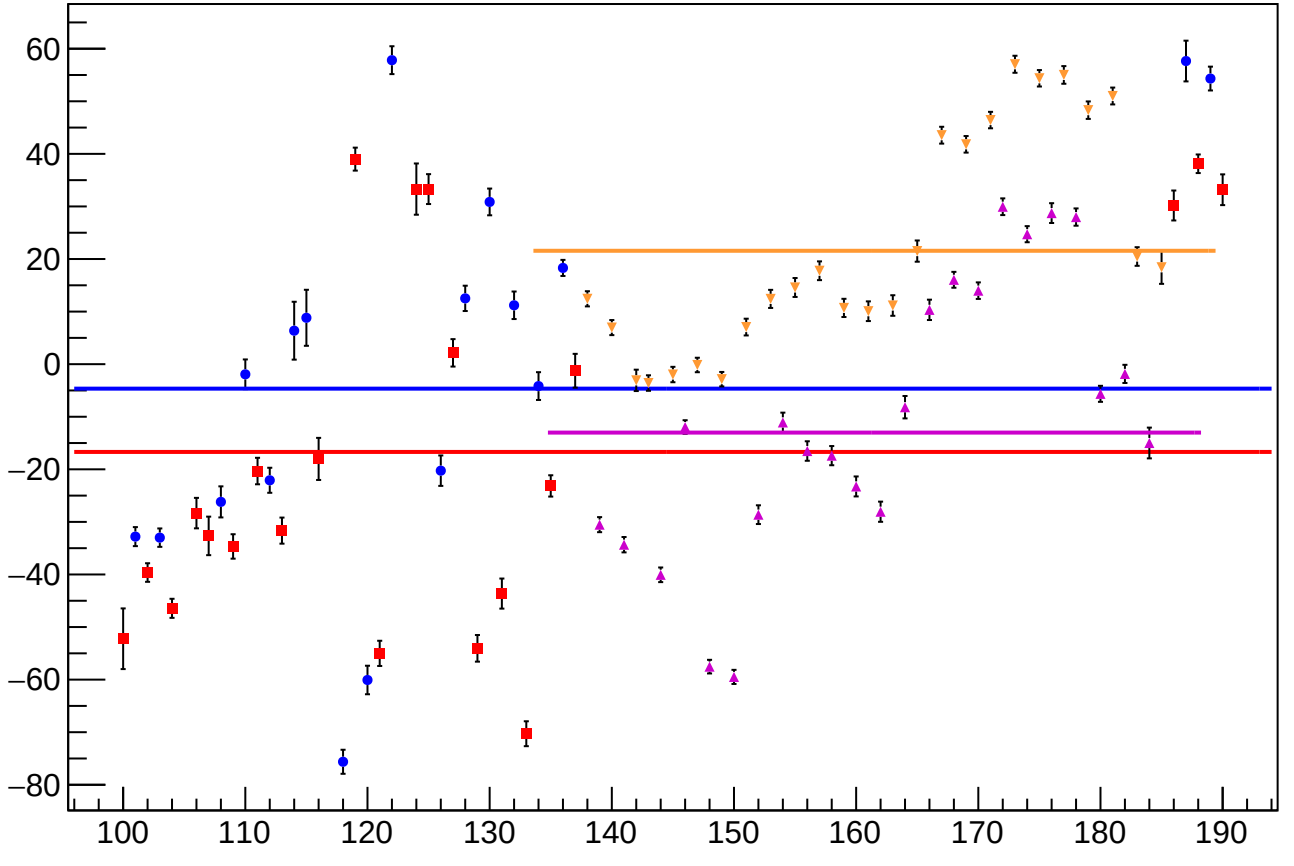
Right: 1499.585+/-0.257 χ^2/NDF: 379181.2/39

In: 1686.333+/-0.234 χ^2/NDF:765720.1/40

Out: 1665.947+/-0.222 χ^2/NDF:871028.7/46

All: 1675.593+/-0.161 χ^2/NDF: 1640736.6/87

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -4.655+/-0.576 χ^2/NDF: 4032.3/17

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -16.693+/-0.537 χ^2/NDF: 4354.6/21

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

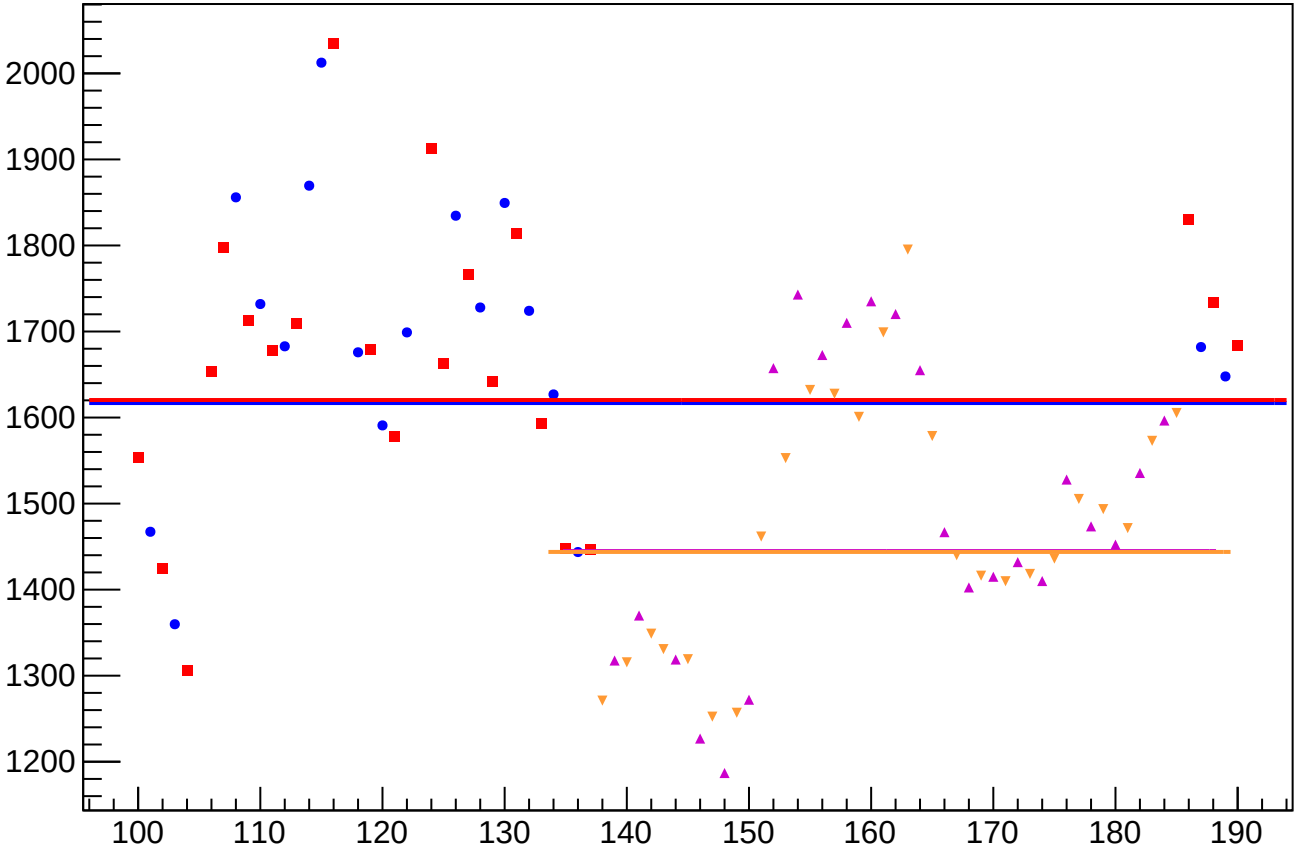
Right: -11.100+/-0.393 χ^2/NDF: 8620.4/39

In: -10.856+/-0.293 χ^2/NDF:10815.5/40

Out: 11.081+/-0.281 χ^2/NDF:12201.1/46

All: 0.562+/-0.203 χ^2/NDF: 25936.9/87

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.862+/-0.408 χ^2/NDF: 155725.5/17

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1620.376+/-0.380 χ^2/NDF: 184102.7/21

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

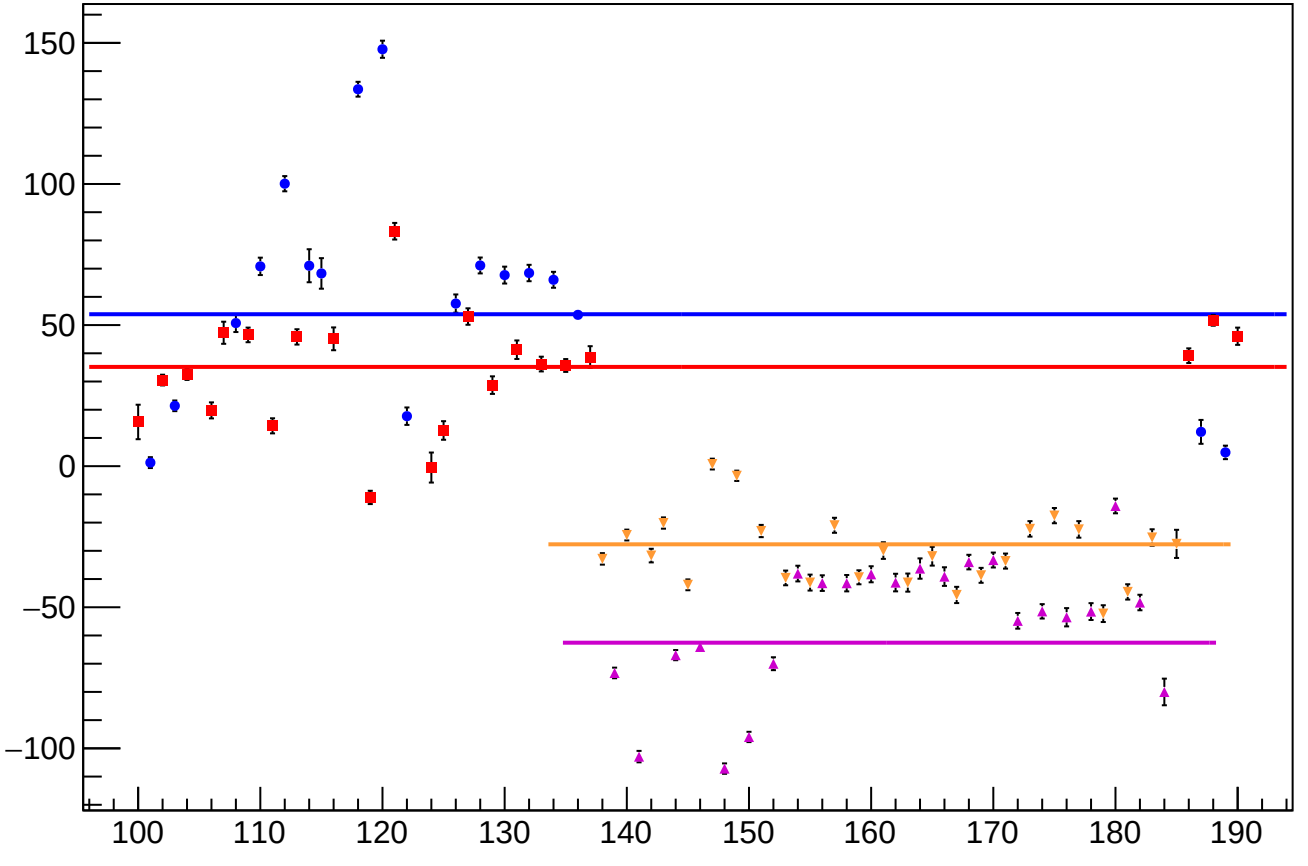
Right: 1618.744+/-0.278 χ^2/NDF: 339868.0/39

In: 1489.239+/-0.207 χ^2/NDF:773154.5/40

Out: 1492.212+/-0.199 χ^2/NDF:693464.5/46

All: 1490.786+/-0.143 χ^2/NDF: 1466726.3/87

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 53.845+/-0.640 χ^2/NDF: 4012.2/17

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 35.176+/-0.585 χ^2/NDF: 1040.6/21

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

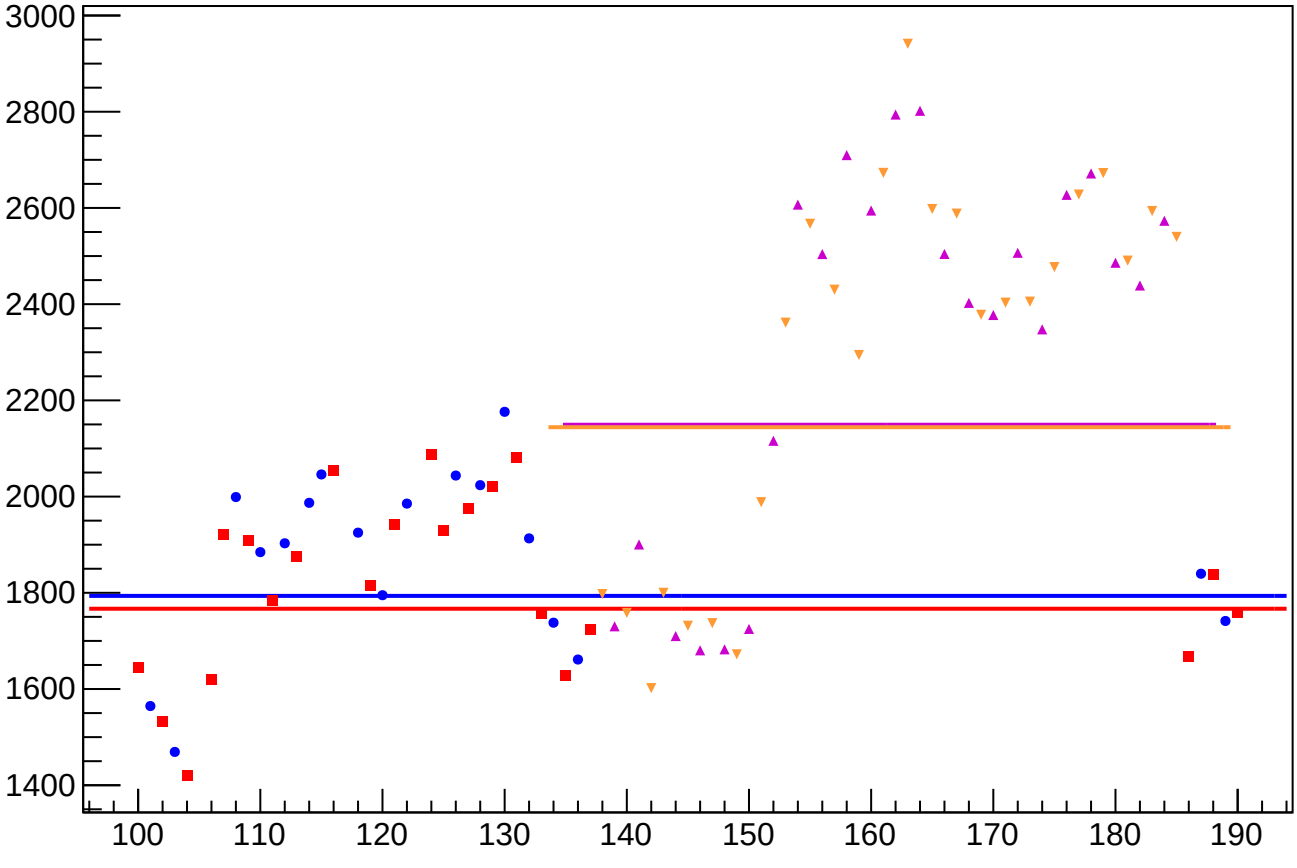
Right: 43.681+/-0.432 χ^2/NDF: 5516.1/39

In: -17.155+/-0.400 χ^2/NDF:26650.6/40

Out: -1.417+/-0.378 χ^2/NDF:8520.4/46

All: -8.857+/-0.275 χ^2/NDF: 35988.6/87

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1793.601+/-0.453 χ^2/NDF: 194396.6/17

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1766.894+/-0.414 χ^2/NDF: 195800.0/21

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

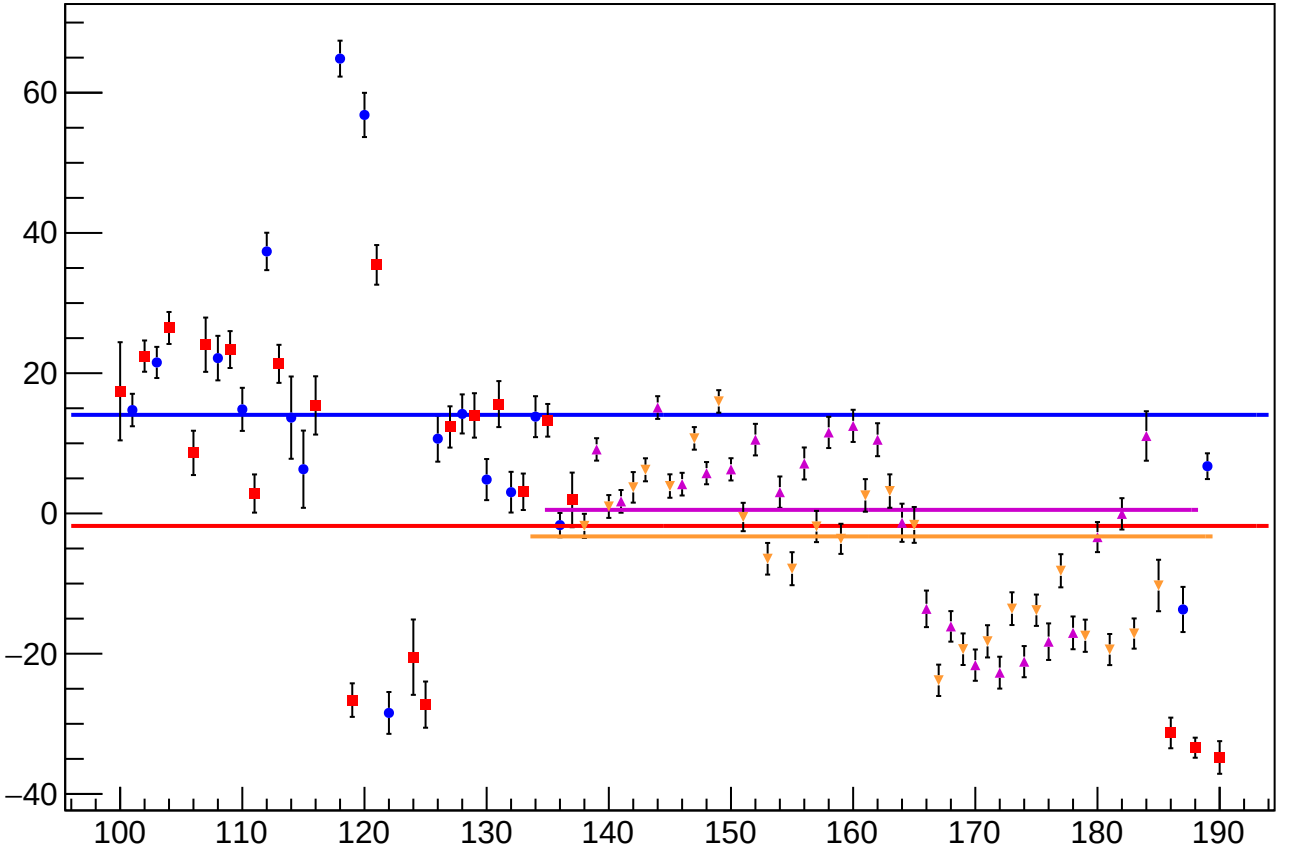
Right: 1779.060+/-0.305 χ^2/NDF: 392093.0/39

In: 2010.595+/-0.283 χ^2/NDF:1837107.7/40

Out: 1986.520+/-0.268 χ^2/NDF:1959339.3/46

All: 1997.901+/-0.194 χ^2/NDF: 3800273.3/87

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 14.060+/-0.637 χ^2/NDF: 1074.5/17

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -1.781+/-0.571 χ^2/NDF: 1865.6/21

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

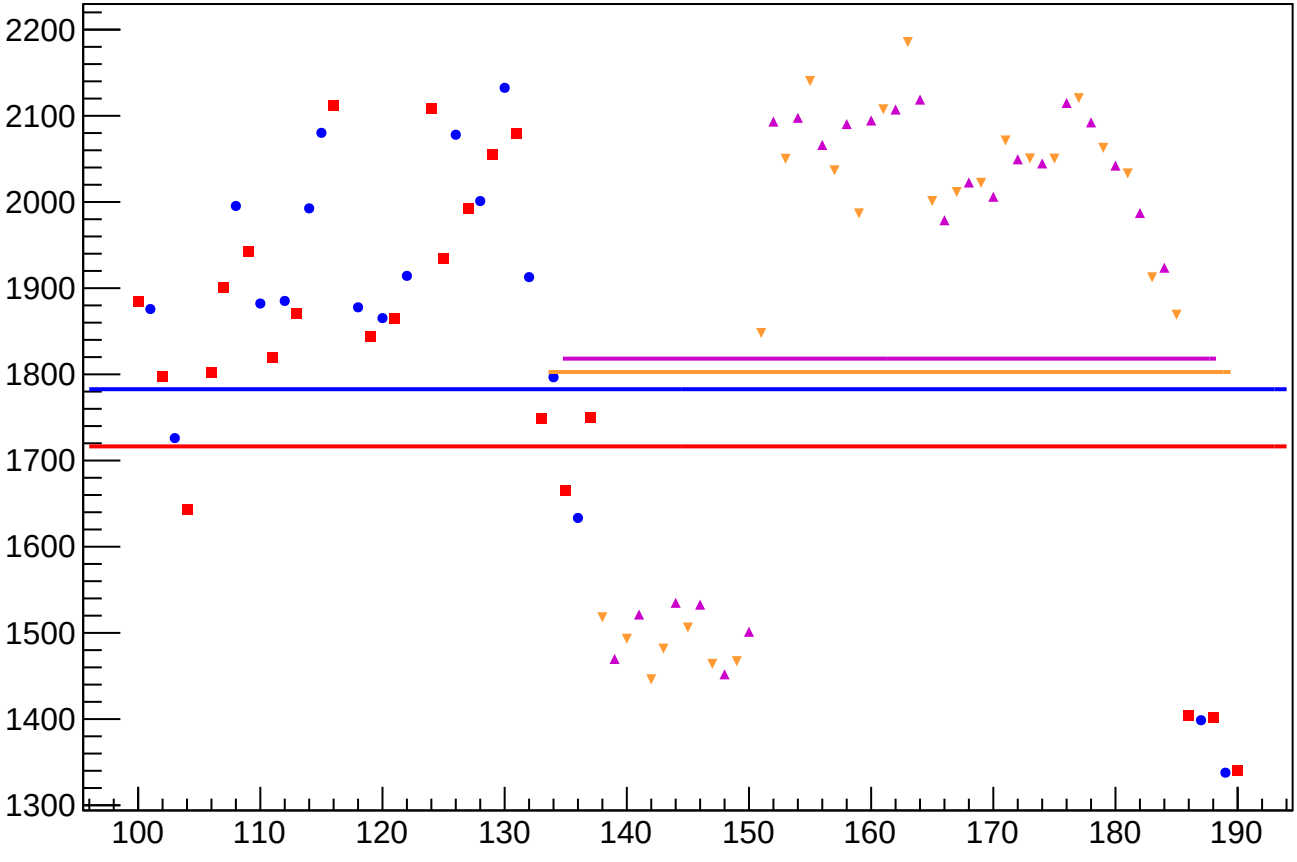
Right: 5.272+/-0.425 χ^2/NDF: 3282.9/39

In: 4.748+/-0.356 χ^2/NDF:2131.1/40

Out: -2.759+/-0.335 χ^2/NDF:2541.2/46

All: 0.769+/-0.244 χ^2/NDF: 4907.5/87

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1782.758+/-0.451 χ^2/NDF: 256664.3/17

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1716.414+/-0.404 χ^2/NDF: 340595.4/21

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

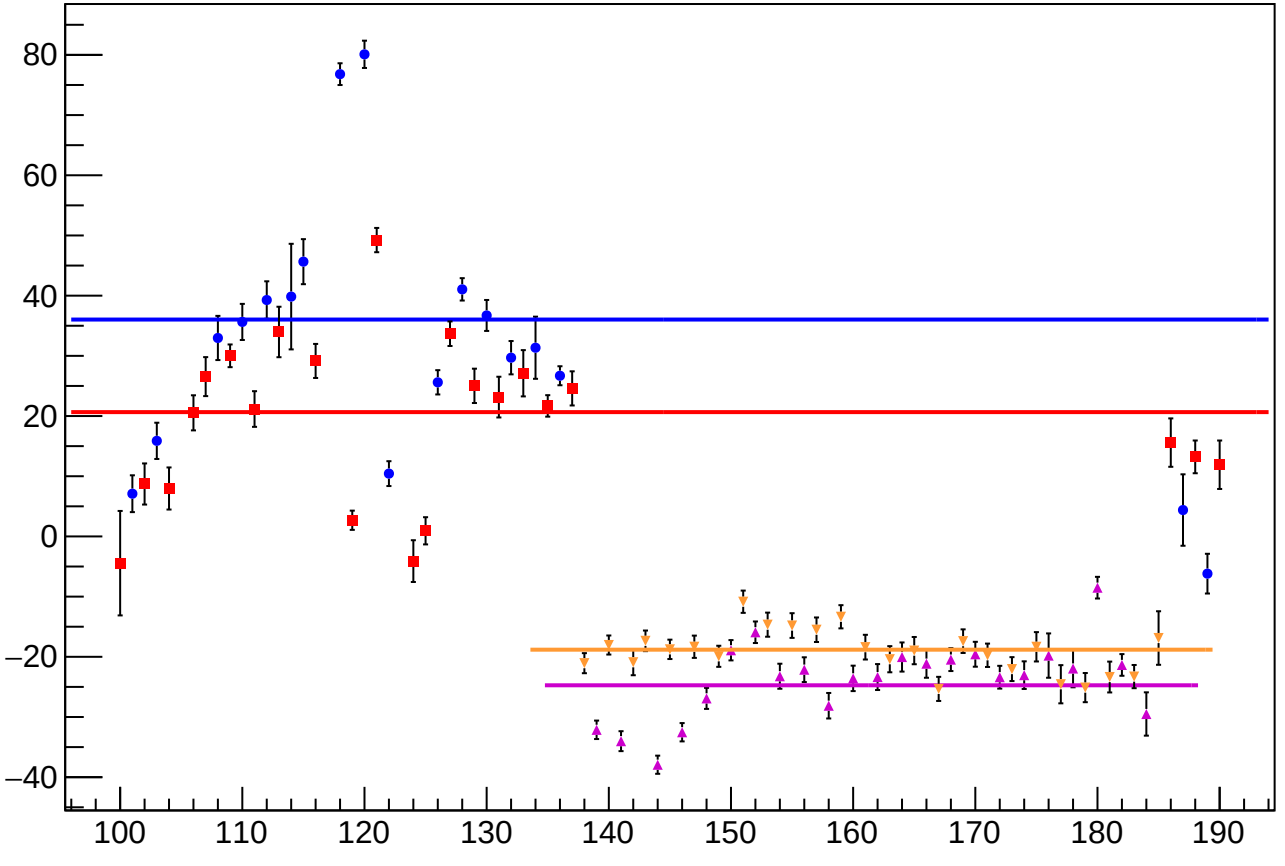
Right: 1745.953+/-0.301 χ^2/NDF: 609289.2/39

In: 1807.134+/-0.252 χ^2/NDF:1101276.6/40

Out: 1772.928+/-0.237 χ^2/NDF:1267919.8/46

All: 1789.002+/-0.173 χ^2/NDF: 2378967.8/87

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 36.031+/-0.608 χ^2/NDF: 1450.7/17

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 20.652+/-0.568 χ^2/NDF: 597.6/21

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

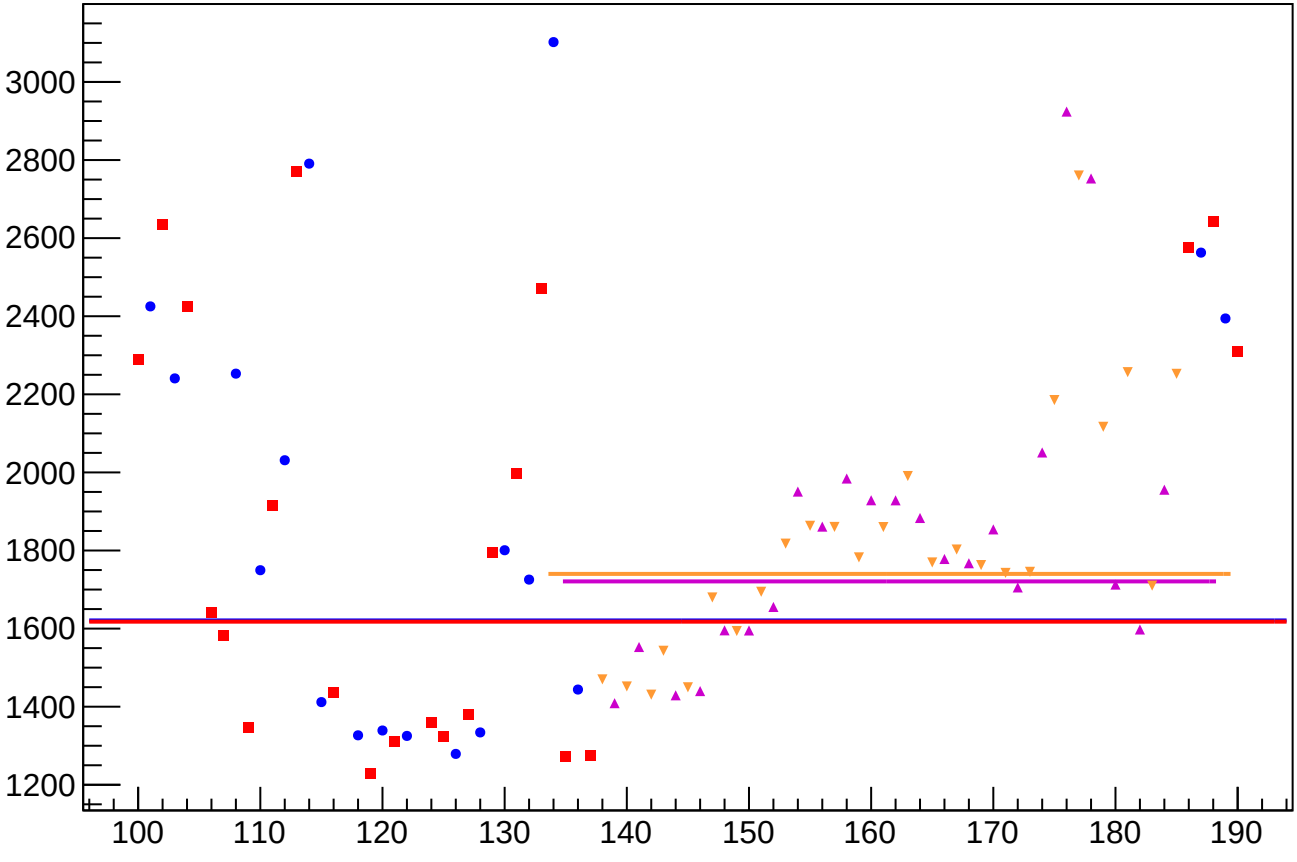
Right: 27.810+/-0.415 χ^2/NDF: 2389.9/39

In: -5.831+/-0.339 χ^2/NDF:8631.5/40

Out: -5.637+/-0.328 χ^2/NDF:3892.4/46

All: -5.731+/-0.236 χ^2/NDF: 12524.0/87

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1620.916+/-0.430 χ^2/NDF: 955306.3/17

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1617.788+/-0.401 χ^2/NDF: 1448472.7/21

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

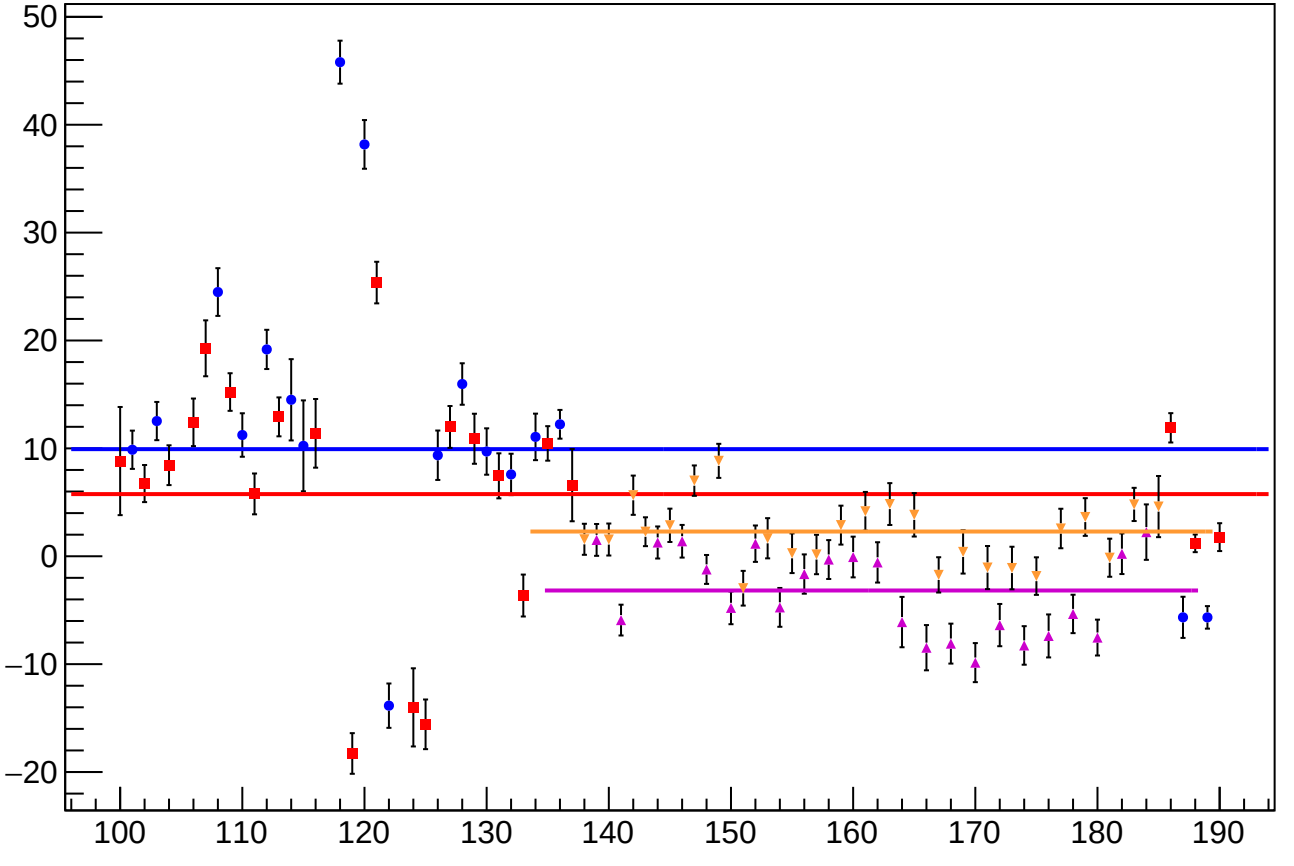
Right: 1619.244+/-0.293 χ^2/NDF: 2403807.2/39

In: 1689.775+/-0.240 χ^2/NDF:1876488.7/40

Out: 1699.252+/-0.232 χ^2/NDF:2263685.1/46

All: 1694.673+/-0.167 χ^2/NDF: 4140980.2/87

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 9.929+/-0.442 χ^2/NDF: 992.4/17

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 5.762+/-0.380 χ^2/NDF: 578.5/21

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

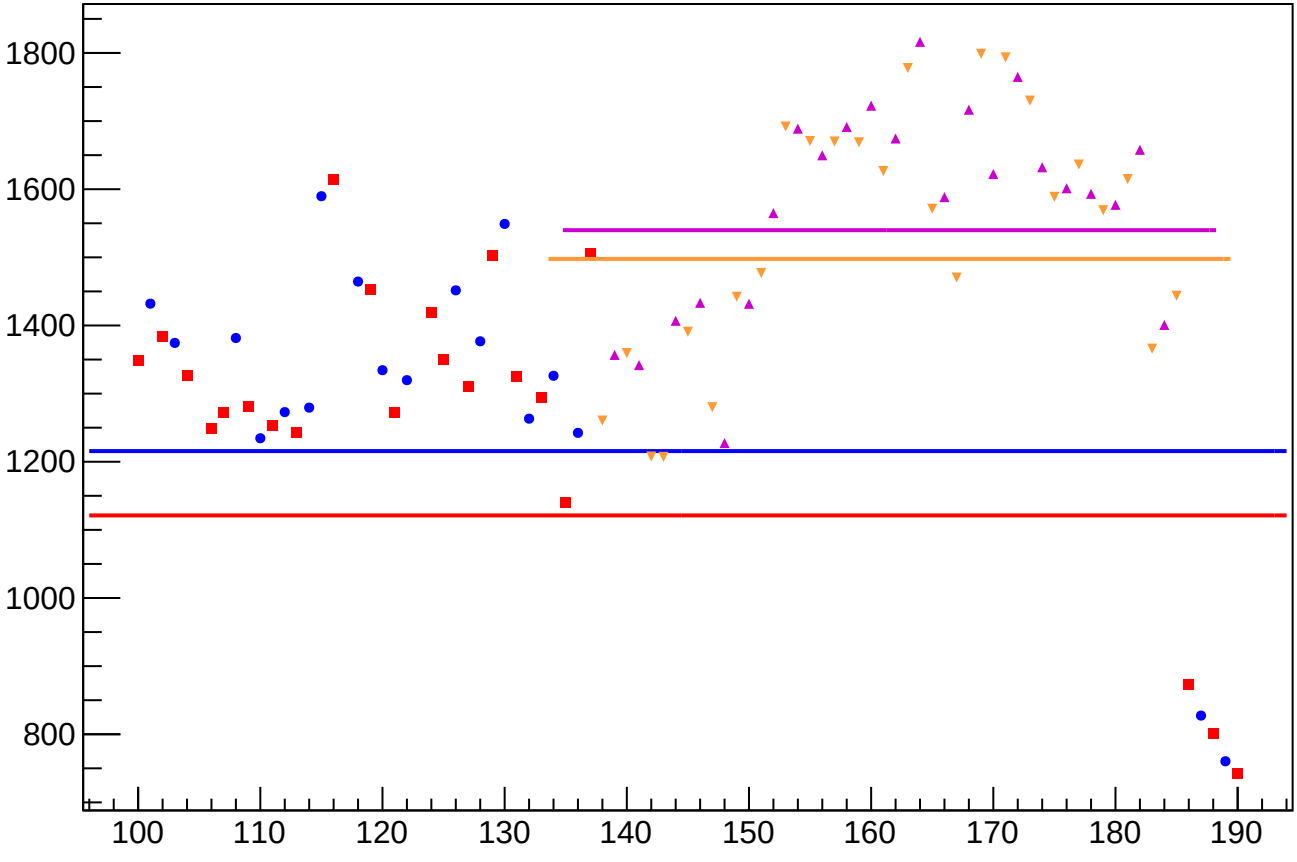
Right: 7.535+/-0.288 χ^2/NDF: 1622.0/39

In: 2.096+/-0.280 χ^2/NDF:1628.3/40

Out: 3.852+/-0.255 χ^2/NDF:697.9/46

All: 3.057+/-0.189 χ^2/NDF: 2347.6/87

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1215.641+/-0.312 χ^2/NDF: 670920.1/17

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1121.214+/-0.269 χ^2/NDF: 958682.2/21

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

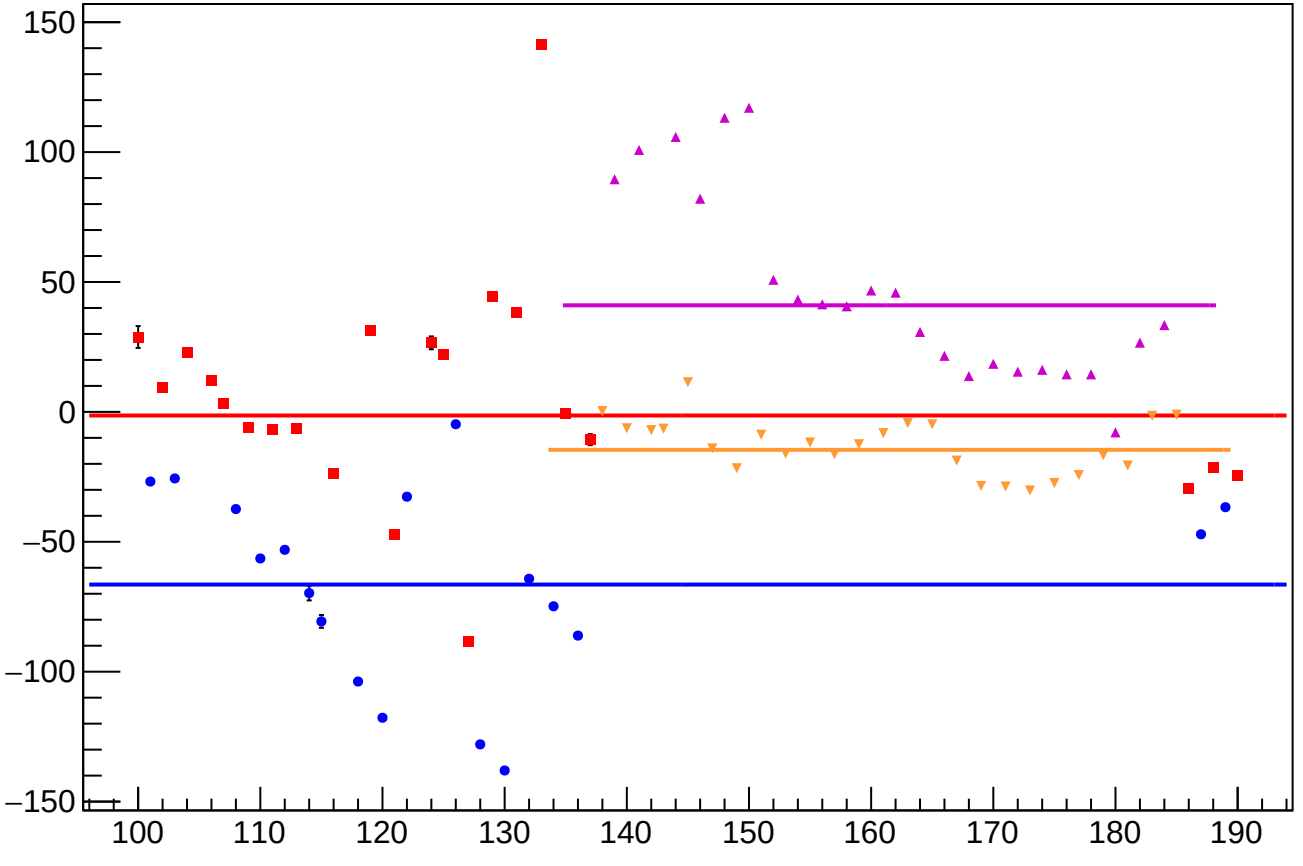
Right: 1161.382+/-0.204 χ^2/NDF: 1682071.3/39

In: 1409.494+/-0.198 χ^2/NDF:1694947.1/40

Out: 1328.539+/-0.180 χ^2/NDF:2607114.8/46

All: 1365.188+/-0.133 χ^2/NDF: 4393403.9/87

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -66.464+/-0.317 χ^2/NDF: 13759.9/17

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -1.388+/-0.280 χ^2/NDF: 22423.1/21

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

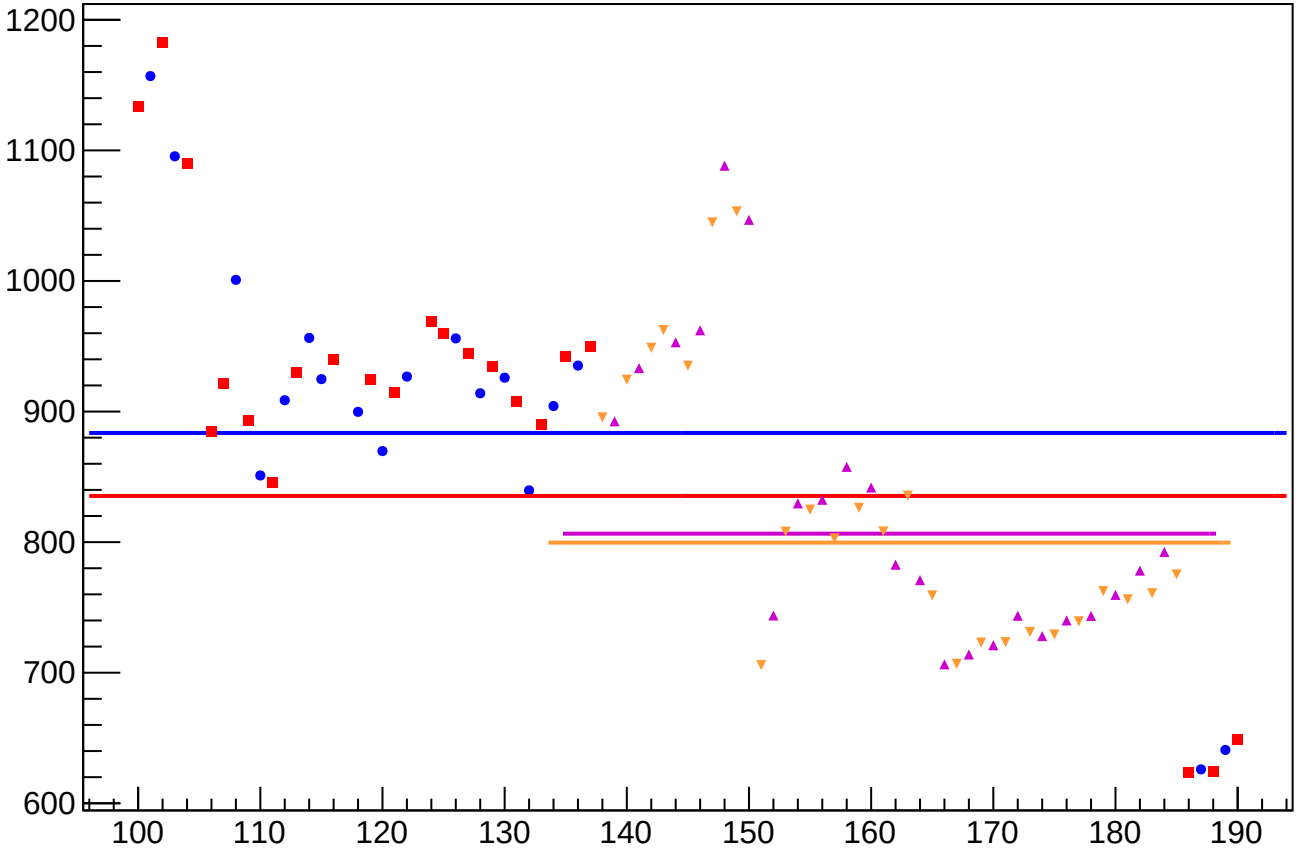
Right: -29.943+/-0.210 χ^2/NDF: 59862.5/39

In: 12.636+/-0.163 χ^2/NDF:129536.1/40

Out: -10.648+/-0.153 χ^2/NDF:27141.1/46

All: 0.285+/-0.112 χ^2/NDF: 167527.6/87

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 883.613+/-0.224 χ^2/NDF: 367856.9/17

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 835.371+/-0.198 χ^2/NDF: 659890.9/21

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

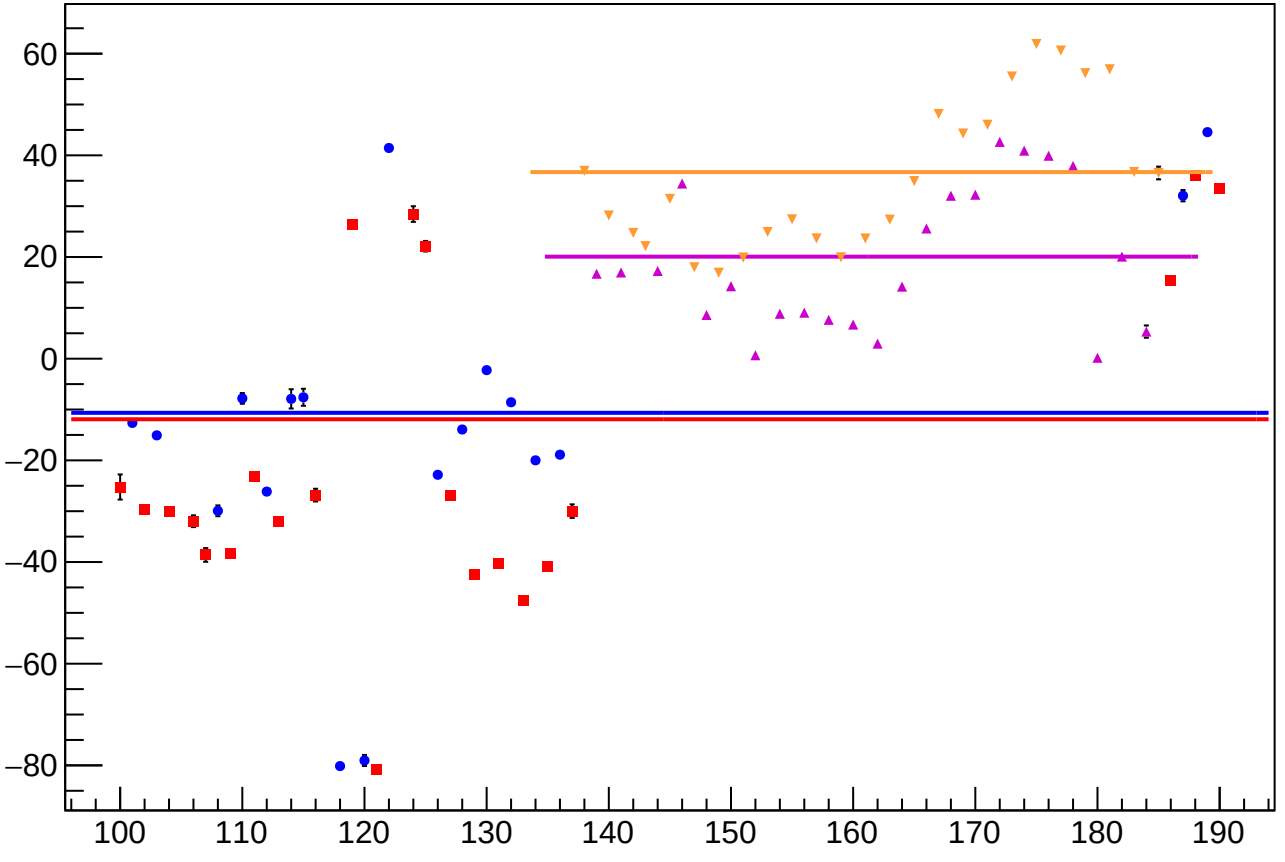
Right: 856.539+/-0.148 χ^2/NDF: 1053772.8/39

In: 826.848+/-0.115 χ^2/NDF:966400.0/40

Out: 810.322+/-0.108 χ^2/NDF:1180132.6/46

All: 818.082+/-0.079 χ^2/NDF: 2157463.4/87

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -10.647+/-0.216 χ^2/NDF: 23222.5/17

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -11.914+/-0.195 χ^2/NDF: 32094.0/21

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

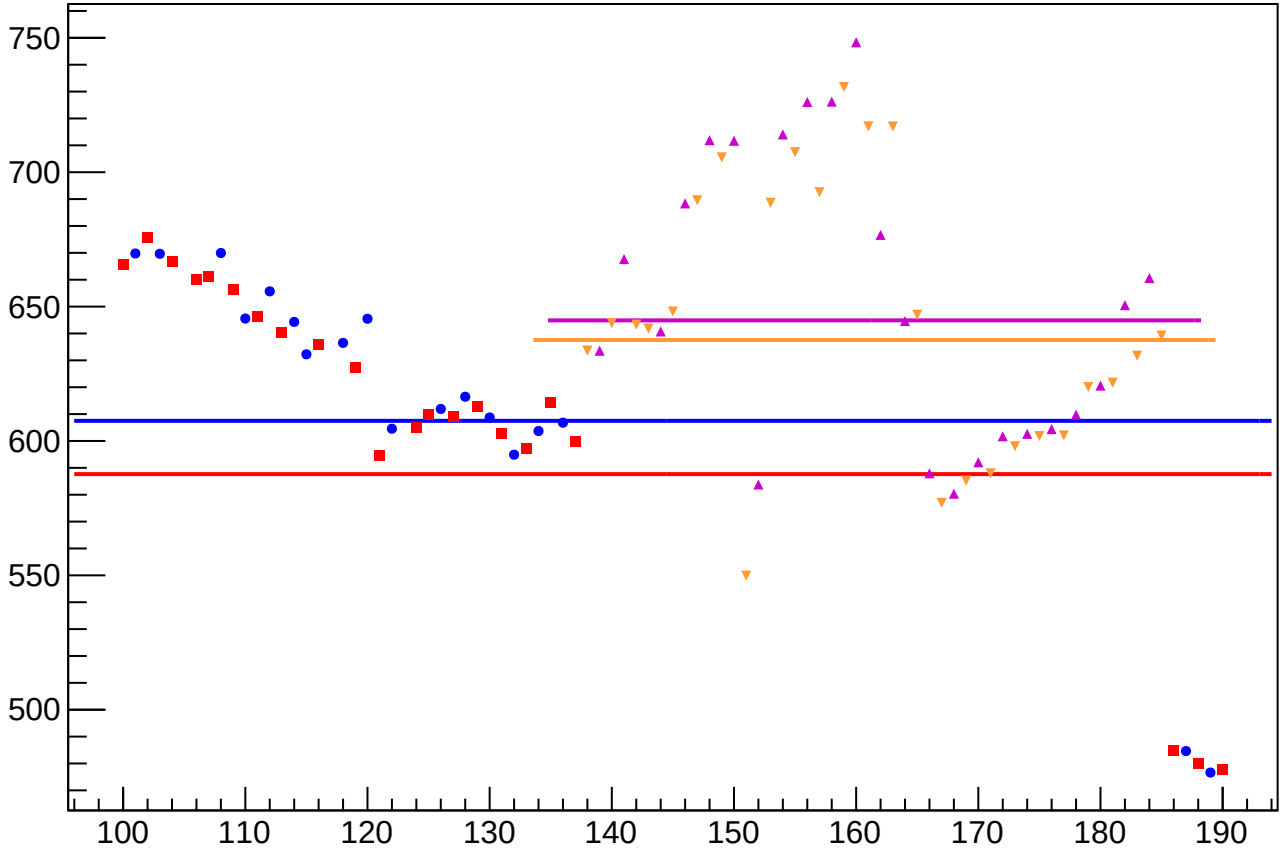
Right: -11.346+/-0.145 χ^2/NDF: 55335.5/39

In: 9.977+/-0.124 χ^2/NDF:45337.1/40

Out: 19.308+/-0.117 χ^2/NDF:82317.5/46

All: 14.929+/-0.085 χ^2/NDF: 130663.3/87

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 607.494+/-0.153 χ^2/NDF: 147583.9/17

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 587.664+/-0.138 χ^2/NDF: 261904.8/21

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

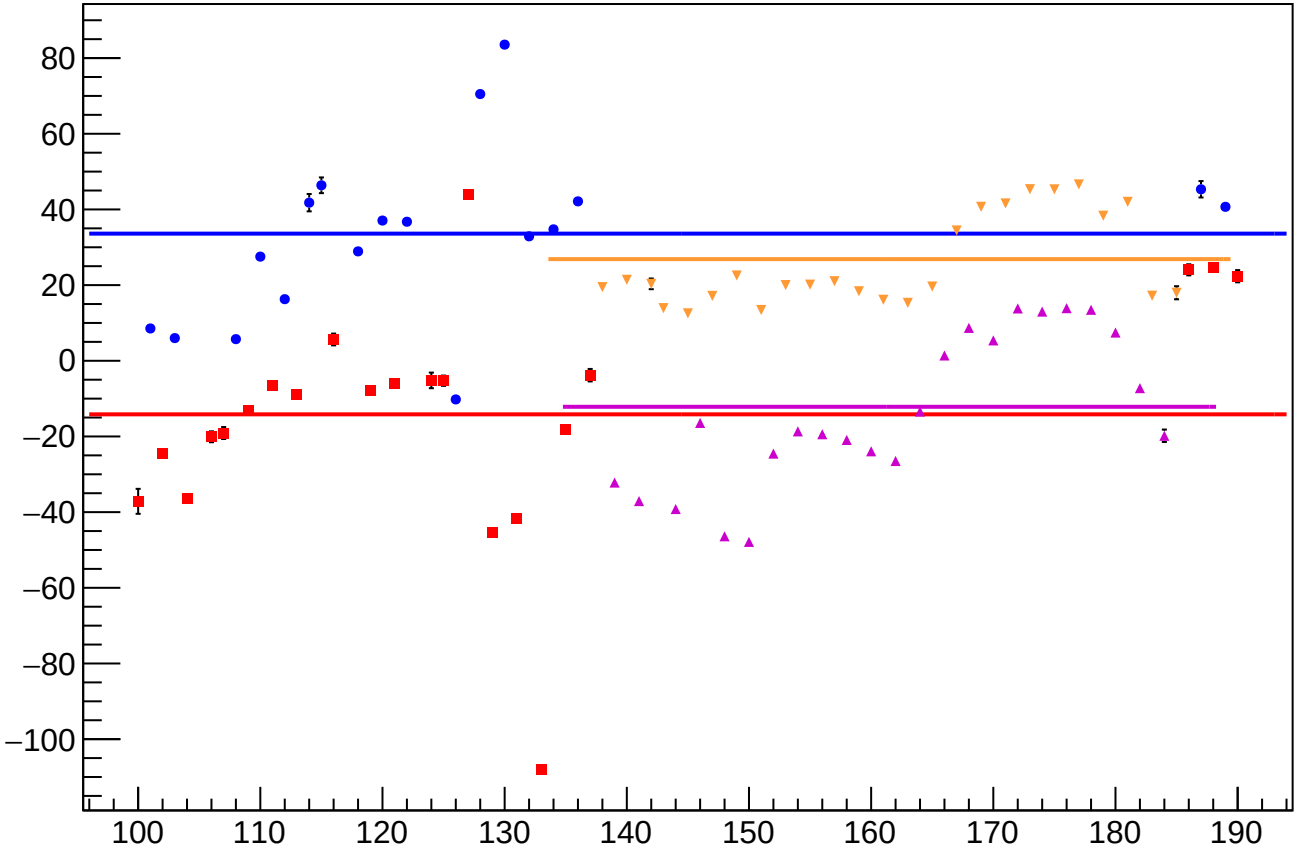
Right: 596.550+/-0.102 χ^2/NDF: 418774.6/39

In: 632.591+/-0.088 χ^2/NDF:417287.0/40

Out: 619.712+/-0.082 χ^2/NDF:582721.7/46

All: 625.756+/-0.060 χ^2/NDF: 1011472.2/87

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.608+/-0.279 χ^2/NDF: 6764.4/17

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -14.154+/-0.266 χ^2/NDF: 15148.6/21

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

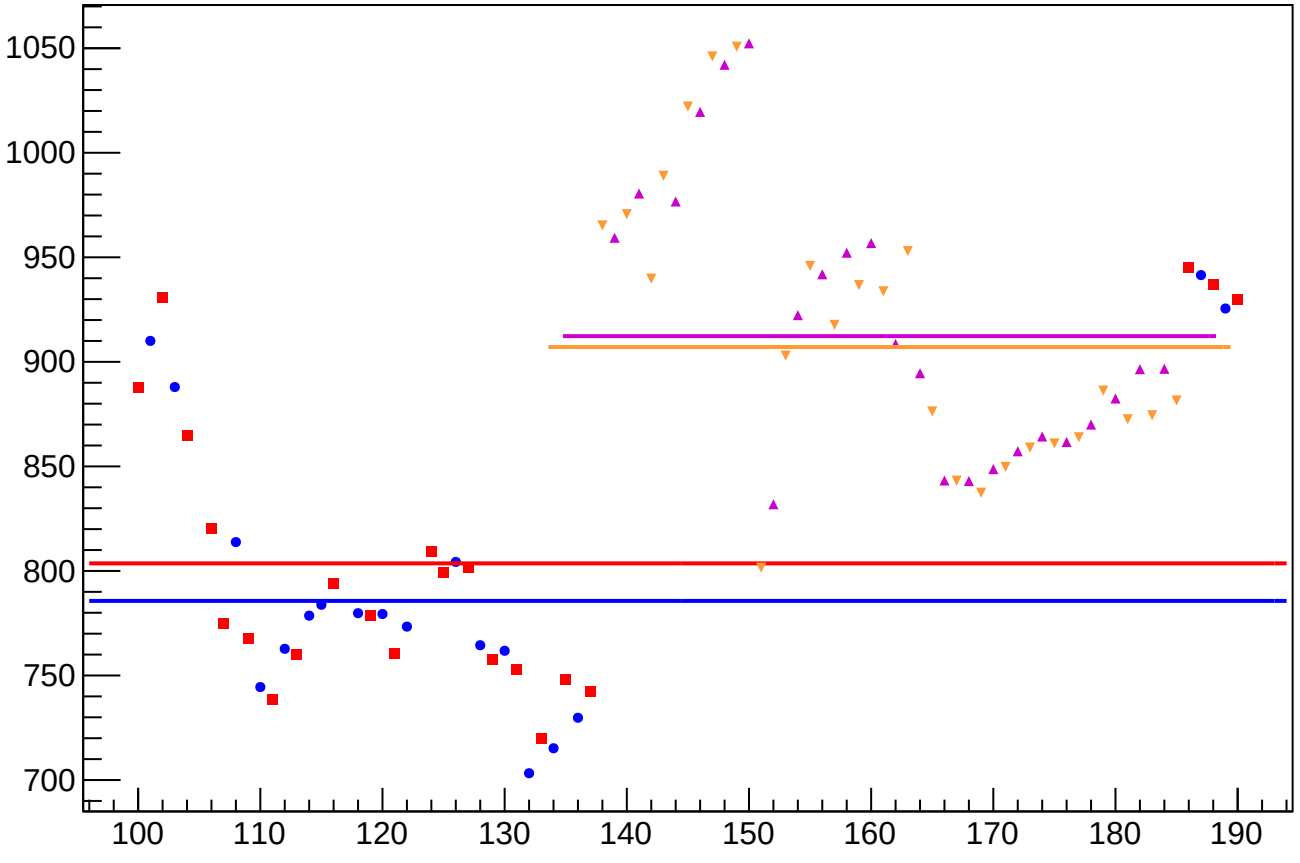
Right: 8.525+/-0.193 χ^2/NDF: 37263.5/39

In: 4.734+/-0.170 χ^2/NDF:32243.5/40

Out: 11.398+/-0.163 χ^2/NDF:33393.4/46

All: 8.199+/-0.118 χ^2/NDF: 66438.3/87

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 785.668+/-0.198 χ^2/NDF: 111646.1/17

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 803.626+/-0.188 χ^2/NDF: 145362.5/21

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

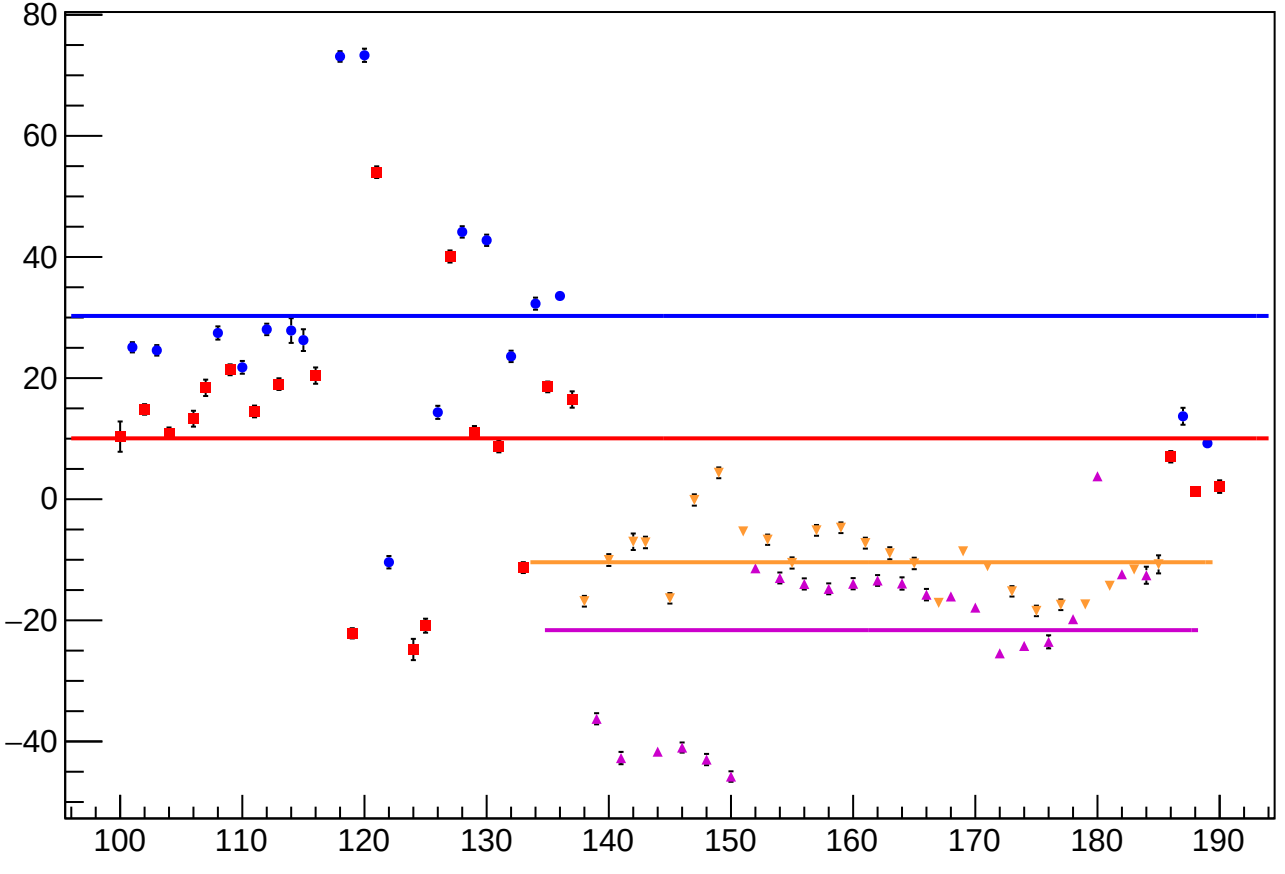
Right: 795.099+/-0.136 χ^2/NDF: 261348.6/39

In: 865.559+/-0.120 χ^2/NDF:545619.0/40

Out: 868.075+/-0.115 χ^2/NDF:528971.8/46

All: 866.867+/-0.083 χ^2/NDF: 1074819.4/87

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 30.266+/-0.229 χ^2/NDF: 7230.2/17

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.052+/-0.214 χ^2/NDF: 6890.8/21

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

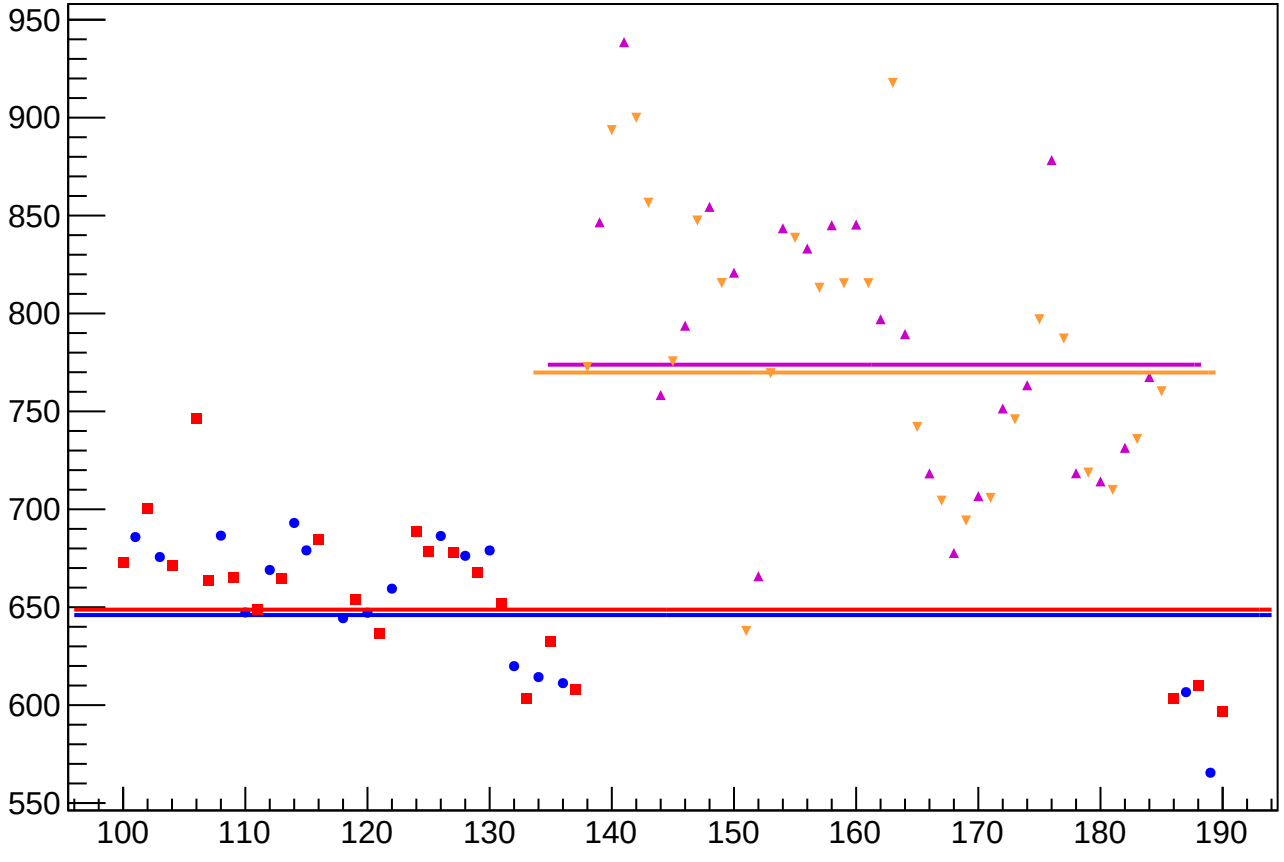
Right: 19.456+/-0.156 χ^2/NDF: 18274.1/39

In: -1.584+/-0.143 χ^2/NDF:43881.5/40

Out: -2.150+/-0.136 χ^2/NDF:13385.7/46

All: -1.880+/-0.098 χ^2/NDF: 57275.4/87

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 645.985+/-0.162 χ^2/NDF: 52202.8/17

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 648.766+/-0.151 χ^2/NDF: 52397.7/21

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

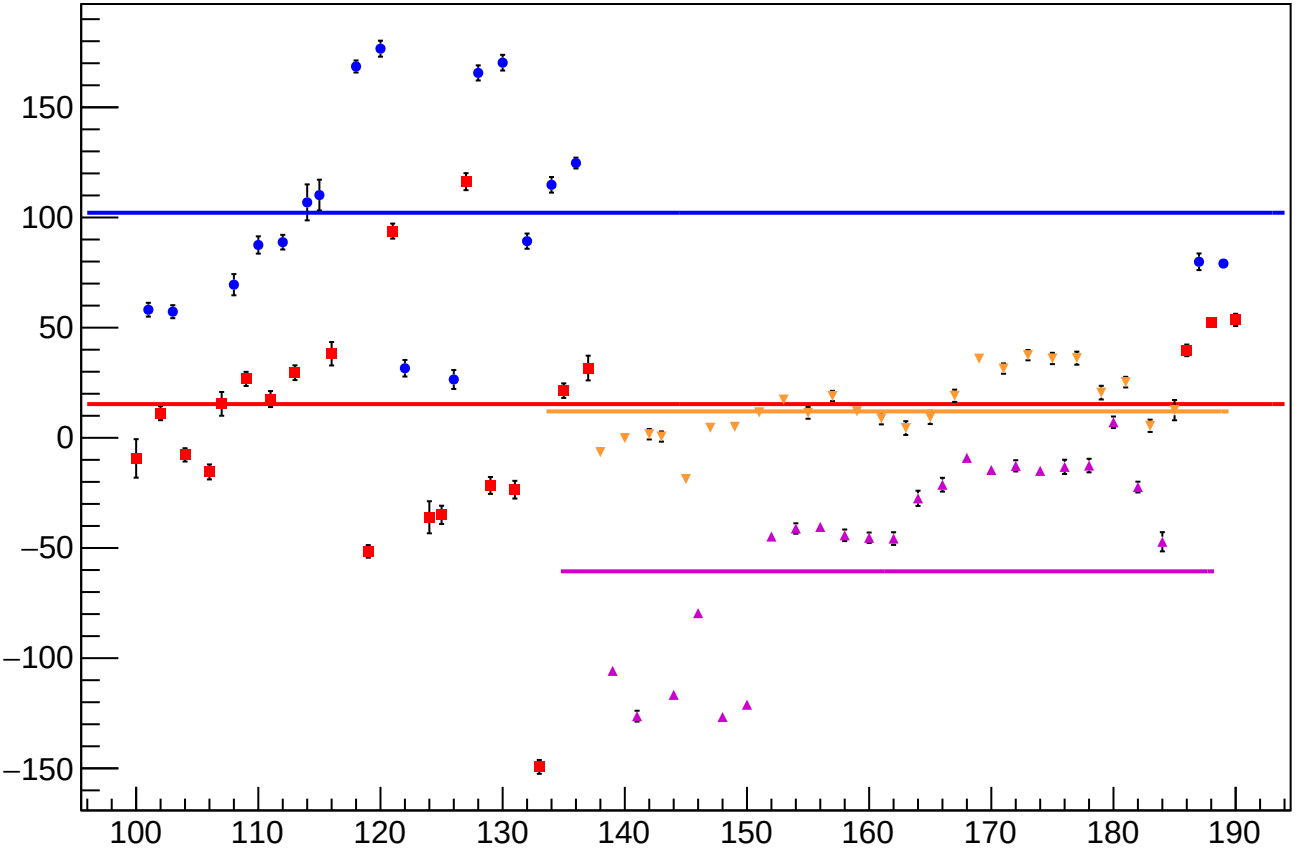
Right: 647.472+/-0.111 χ^2/NDF: 104757.6/39

In: 724.469+/-0.101 χ^2/NDF:716500.2/40

Out: 720.982+/-0.096 χ^2/NDF:738973.0/46

All: 722.642+/-0.070 χ^2/NDF: 1456100.2/87

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 102.154+/-0.796 χ^2/NDF: 3150.4/17

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 15.306+/-0.711 χ^2/NDF: 5879.9/21

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

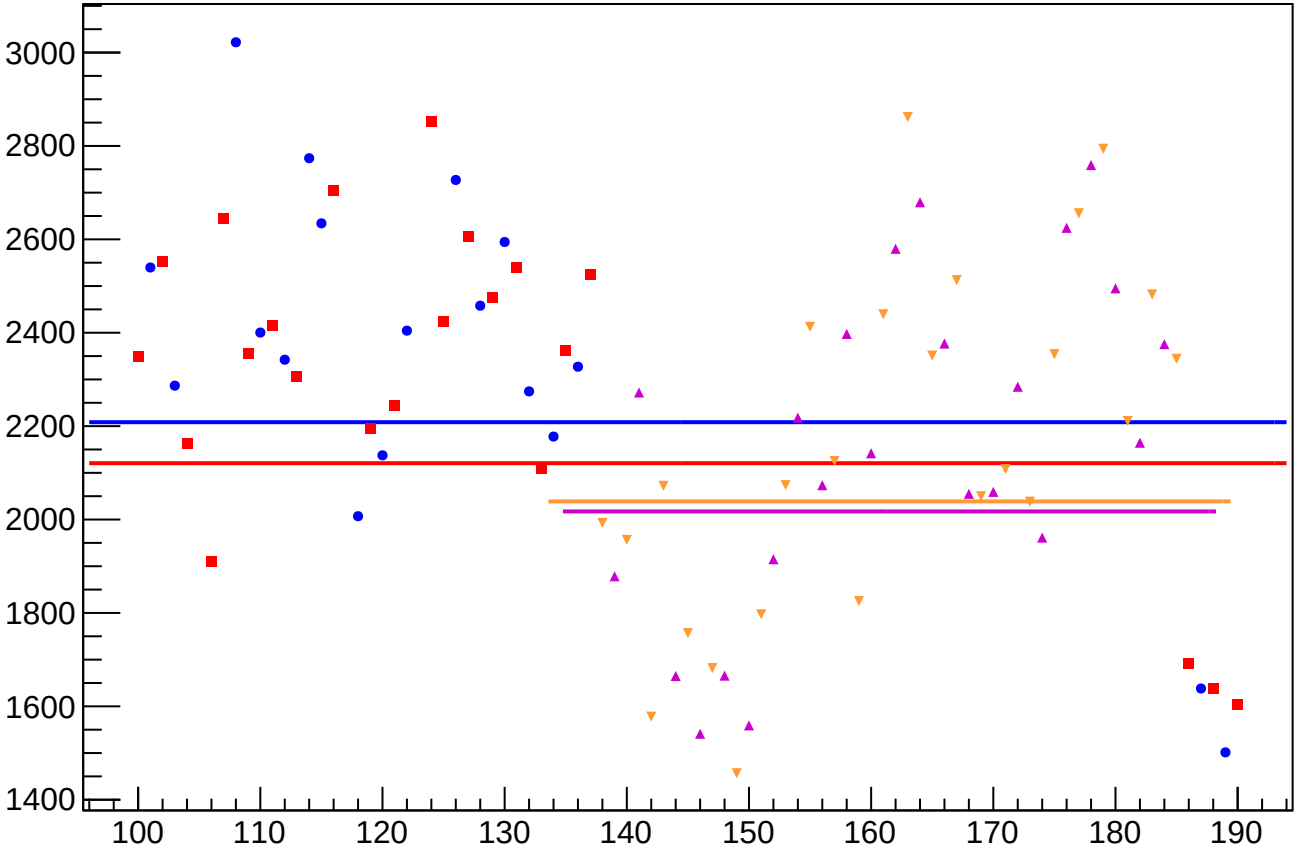
Right: 53.800+/-0.530 χ^2/NDF: 15651.2/39

In: -17.111+/-0.412 χ^2/NDF:42391.5/40

Out: 13.003+/-0.393 χ^2/NDF:6842.1/46

All: -1.352+/-0.284 χ^2/NDF: 52033.7/87

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2208.433+/-0.563 χ^2/NDF: 467702.5/17

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2120.662+/-0.502 χ^2/NDF: 534802.3/21

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

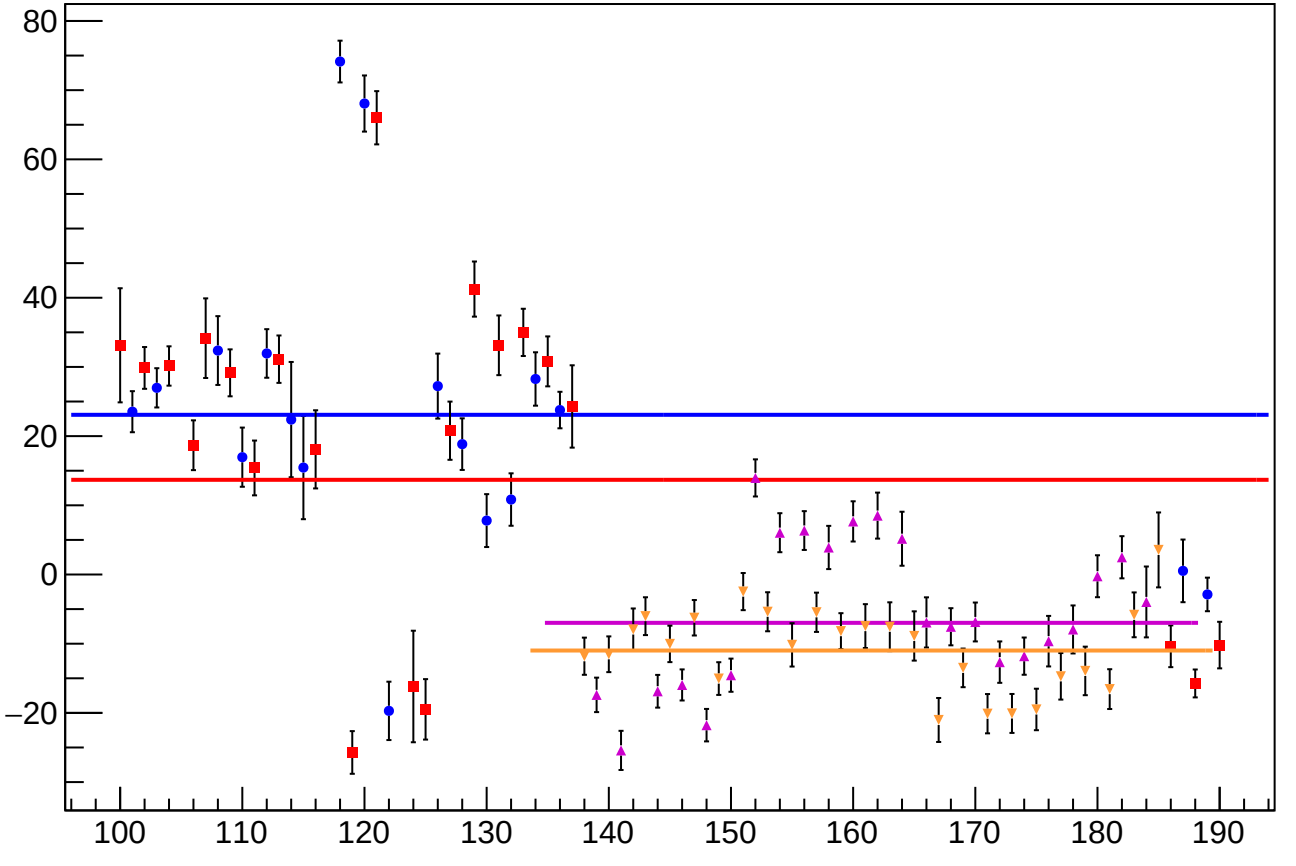
Right: 2159.565+/-0.375 χ^2/NDF: 1016029.9/39

In: 2068.391+/-0.291 χ^2/NDF:1602135.5/40

Out: 2063.816+/-0.278 χ^2/NDF:1676756.3/46

All: 2065.997+/-0.201 χ^2/NDF: 3279021.1/87

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 23.080+/-0.858 χ^2/NDF: 696.7/17

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 13.685+/-0.773 χ^2/NDF: 1012.2/21

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

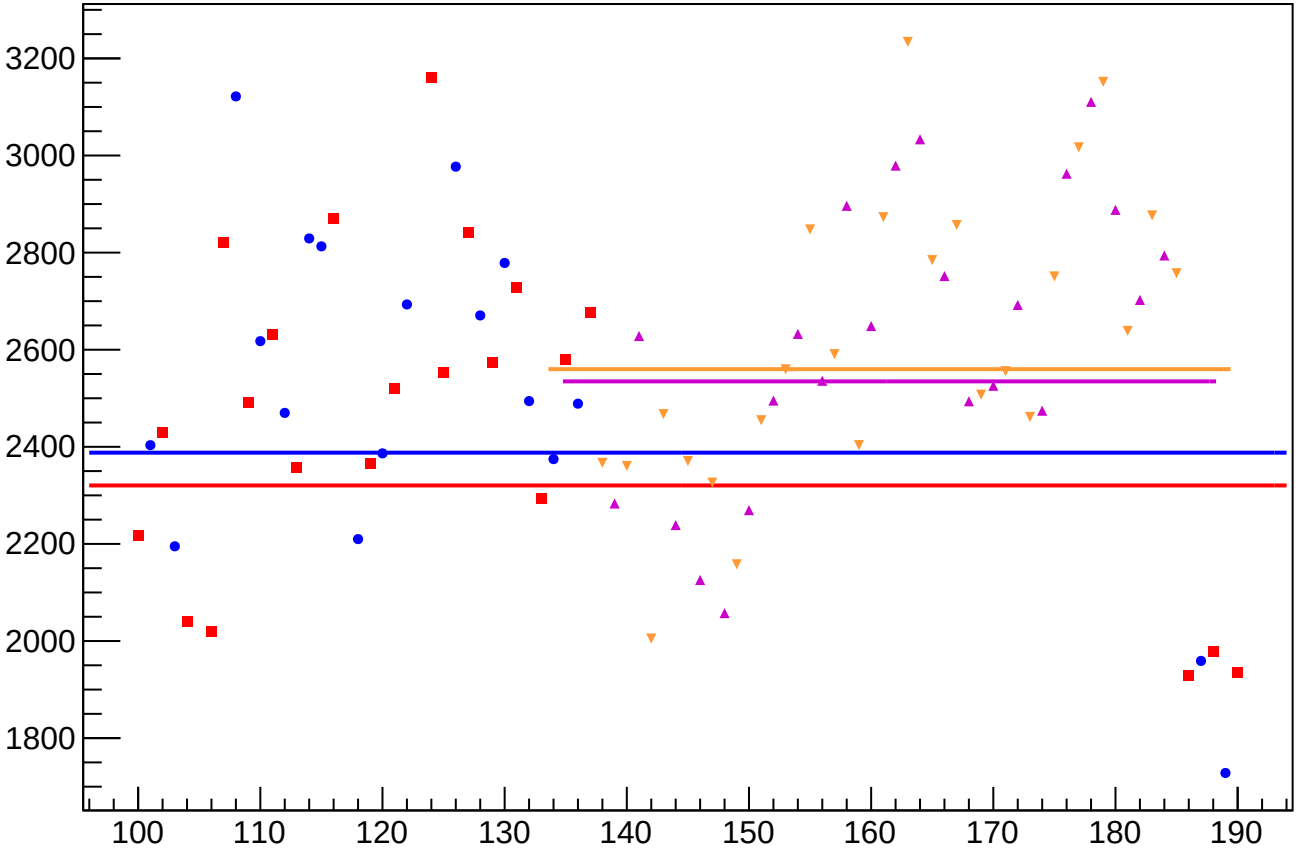
Right: 17.897+/-0.574 χ^2/NDF: 1775.0/39

In: 2.855+/-0.491 χ^2/NDF:1862.1/40

Out: -1.990+/-0.467 χ^2/NDF:1746.2/46

All: 0.312+/-0.338 χ^2/NDF: 3659.5/87

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2387.940+/-0.607 χ^2/NDF: 323468.1/17

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2320.437+/-0.547 χ^2/NDF: 313293.5/21

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

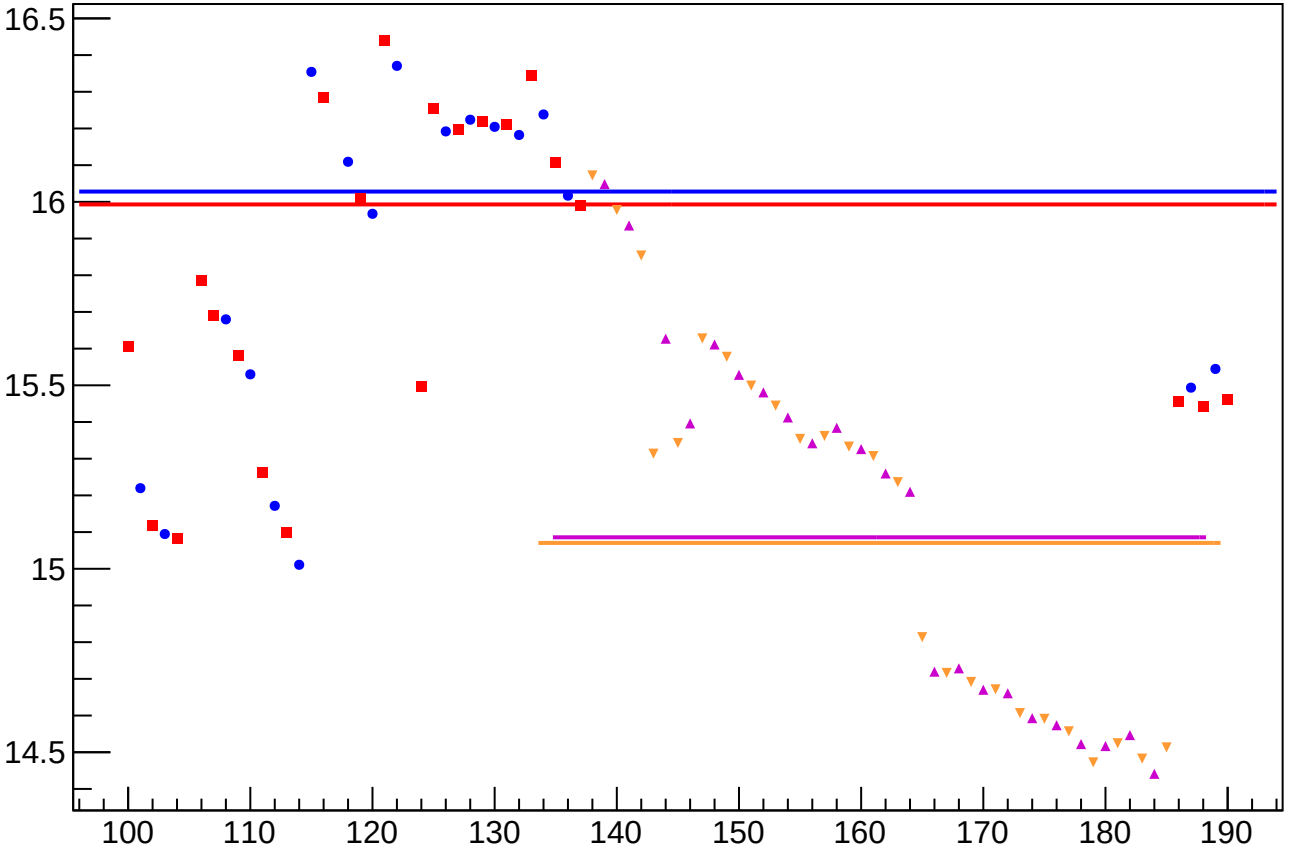
Right: 2350.698+/-0.406 χ^2/NDF: 643590.9/39

In: 2486.724+/-0.347 χ^2/NDF:826494.2/40

Out: 2472.610+/-0.330 χ^2/NDF:885328.1/46

All: 2479.316+/-0.239 χ^2/NDF: 1712690.3/87

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.028+/-0.000 χ^2/NDF: 3101119845.6/17

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.993+/-0.000 χ^2/NDF: 4510970691.9/21

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

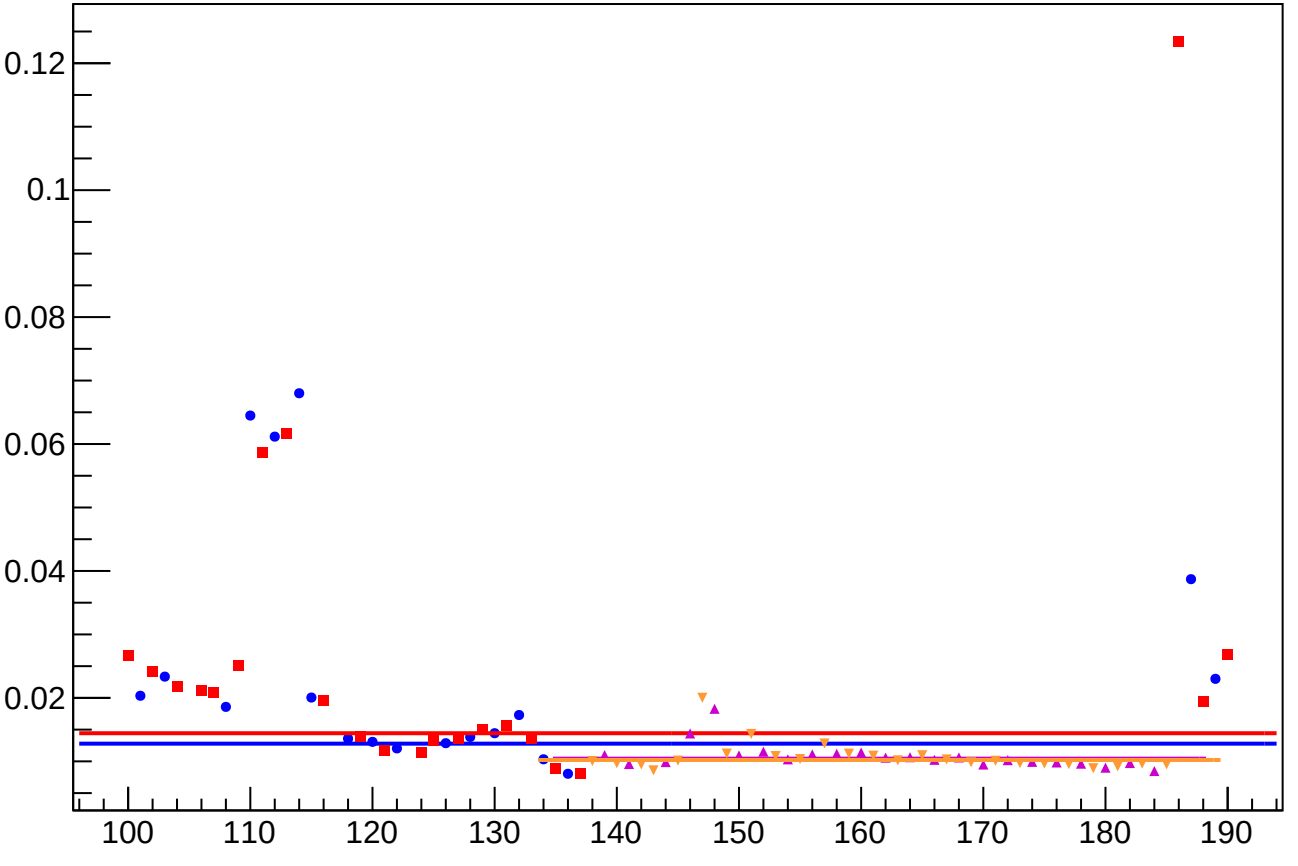
Right: 16.011+/-0.000 χ^2/NDF: 7633473936.9/39

In: 15.263+/-0.000 χ^2/NDF:69029322184.5/40

Out: 15.218+/-0.000 χ^2/NDF:71827570988.8/46

All: 15.240+/-0.000 χ^2/NDF: 141066506121.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2683320.0/17

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3124513.3/21

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

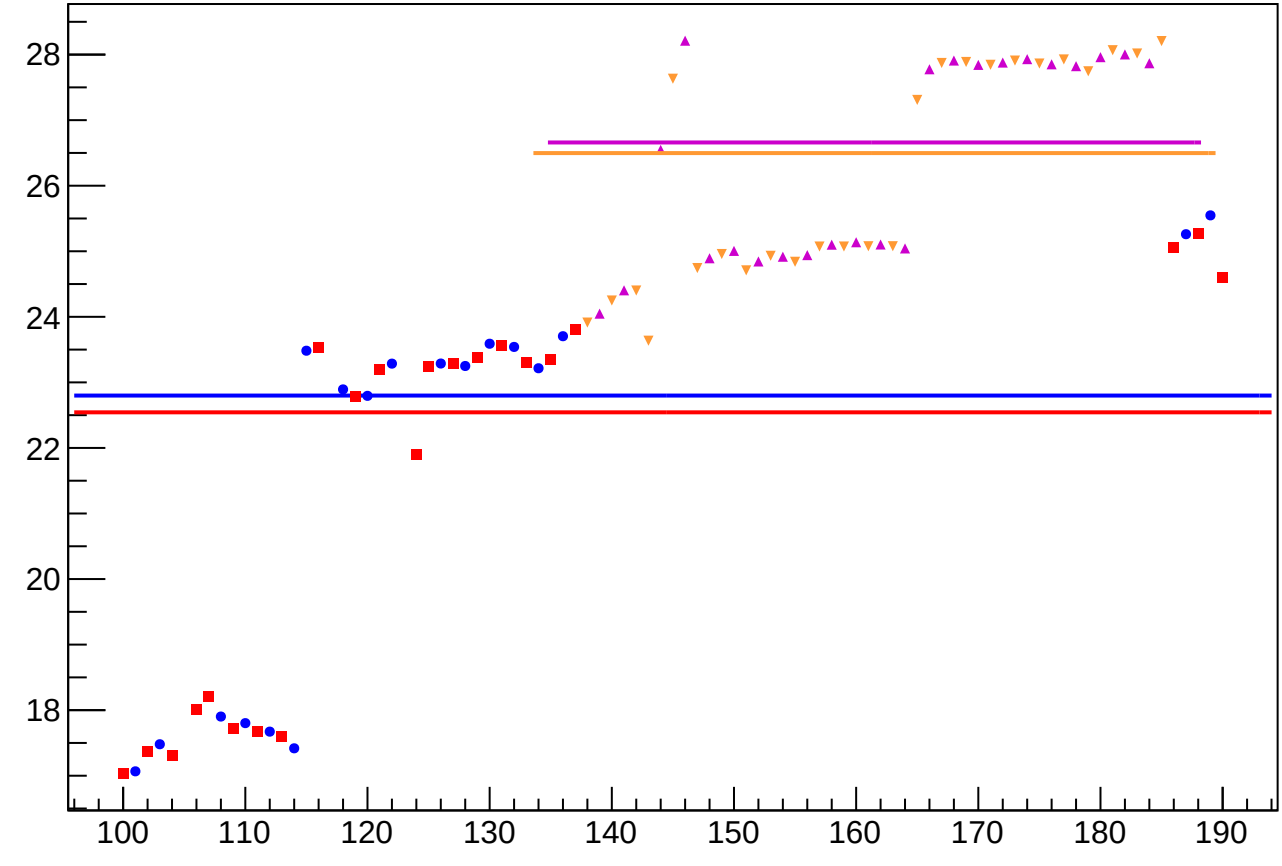
Right: 0.014+/-0.000 χ^2/NDF: 5901776.8/39

In: 0.011+/-0.000 χ^2/NDF:3612632.6/40

Out: 0.011+/-0.000 χ^2/NDF:4870515.5/46

All: 0.011+/-0.000 χ^2/NDF: 8483204.3/87

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.799+/-0.000 χ^2/NDF: 1280015013.9/17

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.543+/-0.000 χ^2/NDF: 1347810053.9/21

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

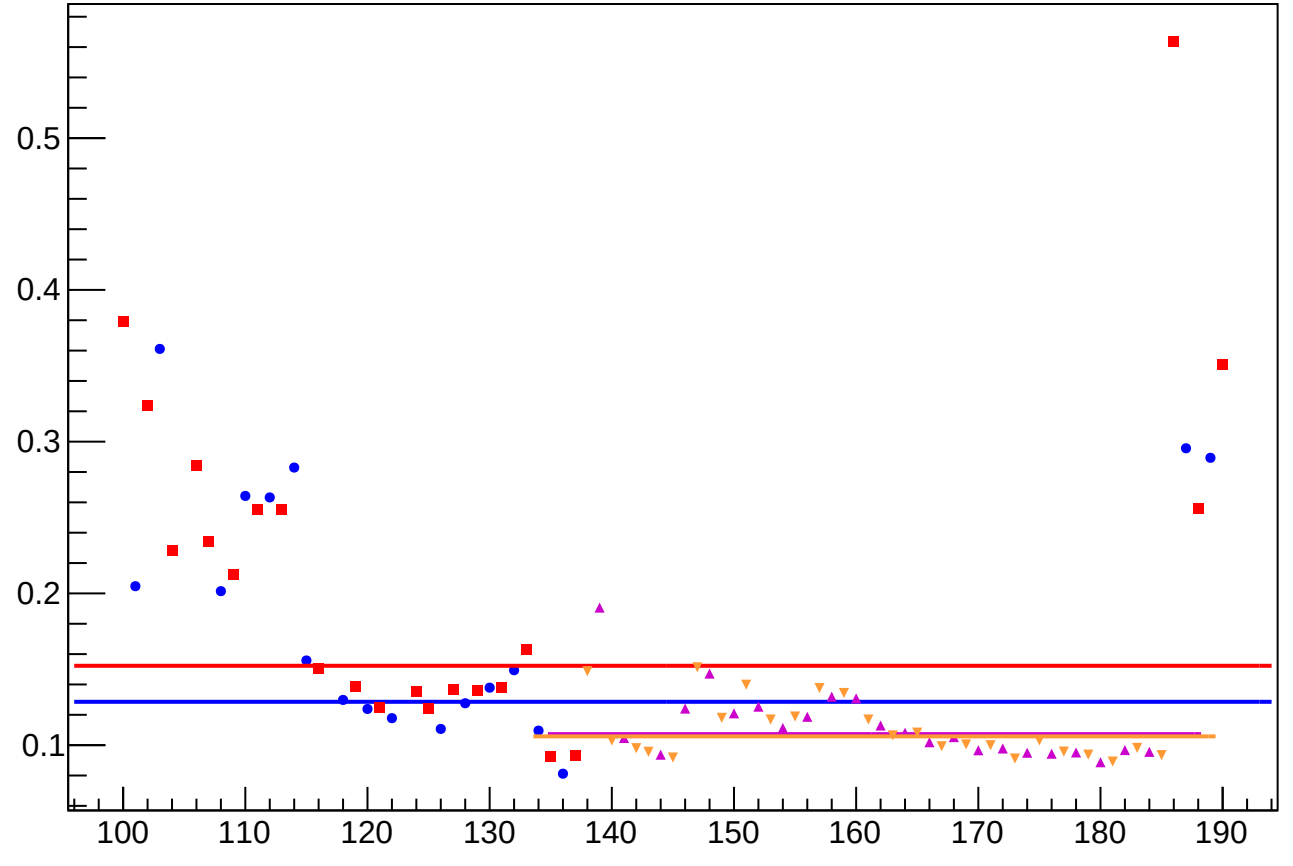
Right: 22.682+/-0.000 χ^2/NDF: 2638371034.3/39

In: 25.867+/-0.000 χ^2/NDF:8331173436.8/40

Out: 25.837+/-0.000 χ^2/NDF:9132345524.8/46

All: 25.851+/-0.000 χ^2/NDF: 17464287812.2

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.129+/-0.000 χ^2/NDF: 2185480.2/17

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.152+/-0.000 χ^2/NDF: 2548452.5/21

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

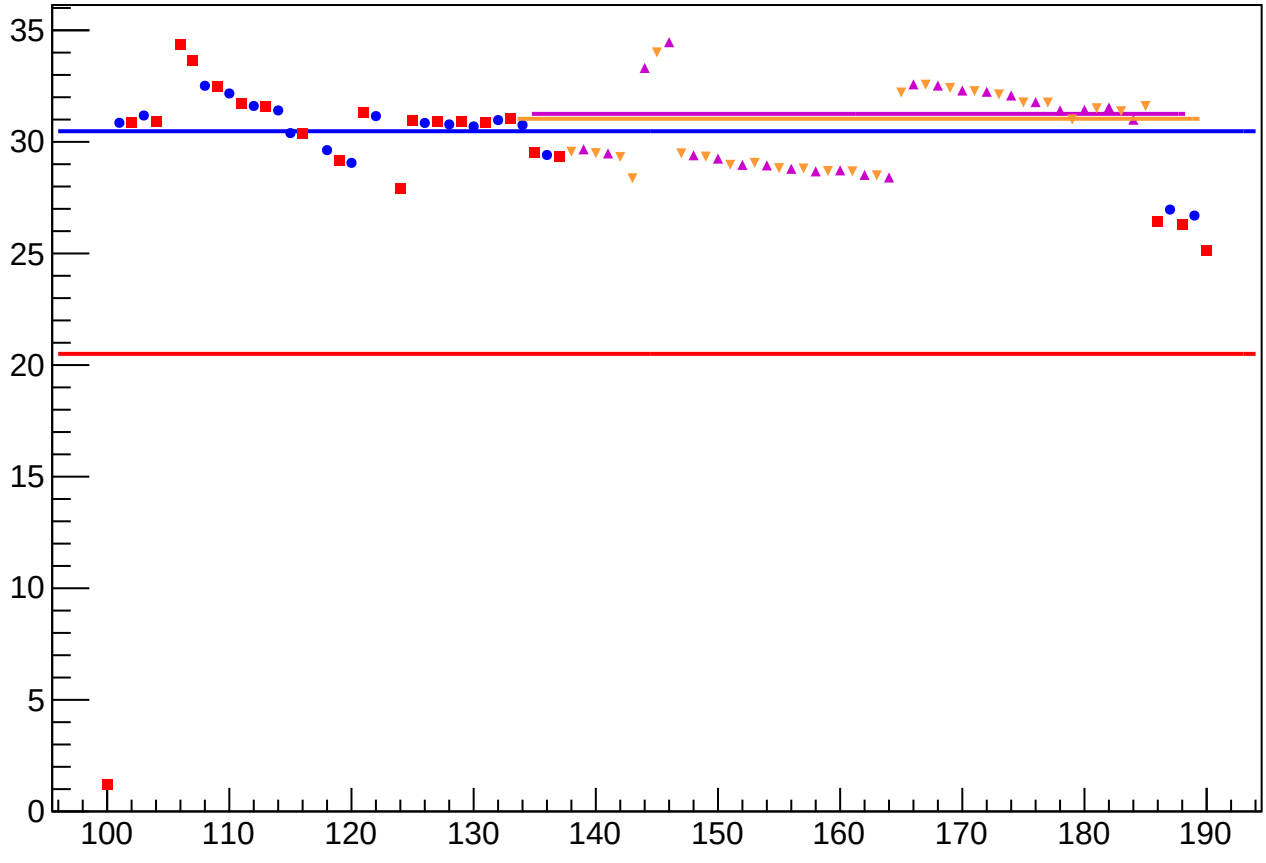
Right: 0.139+/-0.000 χ^2/NDF: 4915449.7/39

In: 0.112+/-0.000 χ^2/NDF:3298752.6/40

Out: 0.114+/-0.000 χ^2/NDF:4377182.1/46

All: 0.113+/-0.000 χ^2/NDF: 7682359.2/87

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.477+/-0.000 χ^2/NDF: 968536297.7/17

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.502+/-0.000 χ^2/NDF: 223080209387.1/21

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

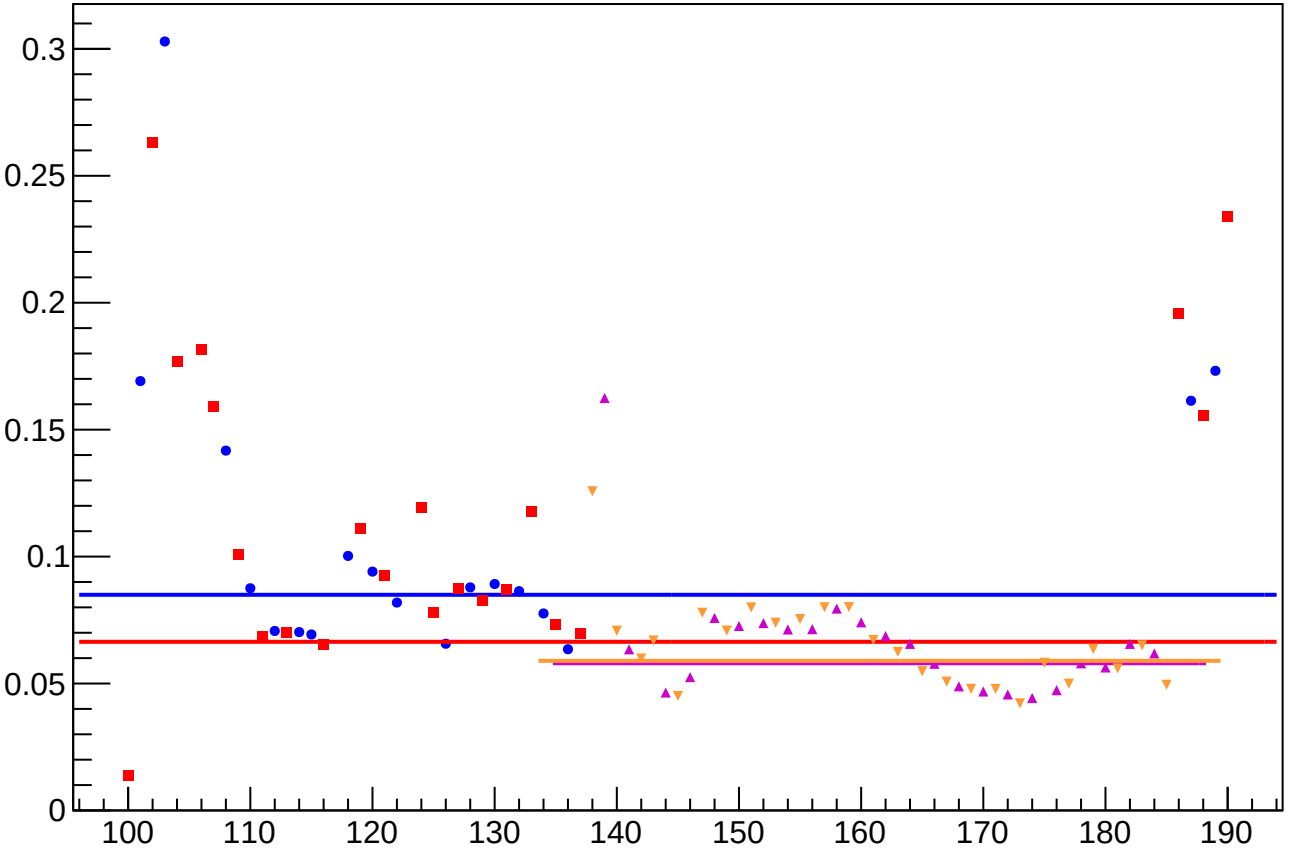
Right: 24.602+/-0.000 χ^2/NDF: 270719472239.6/39

In: 31.130+/-0.000 χ^2/NDF:13962590612.1/40

Out: 28.819+/-0.000 χ^2/NDF:334949413692.2/46

All: 29.918+/-0.000 χ^2/NDF: 362693918892.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.085+/-0.000 χ^2/NDF: 1594849.9/17

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.066+/-0.000 χ^2/NDF: 5341173.7/21

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

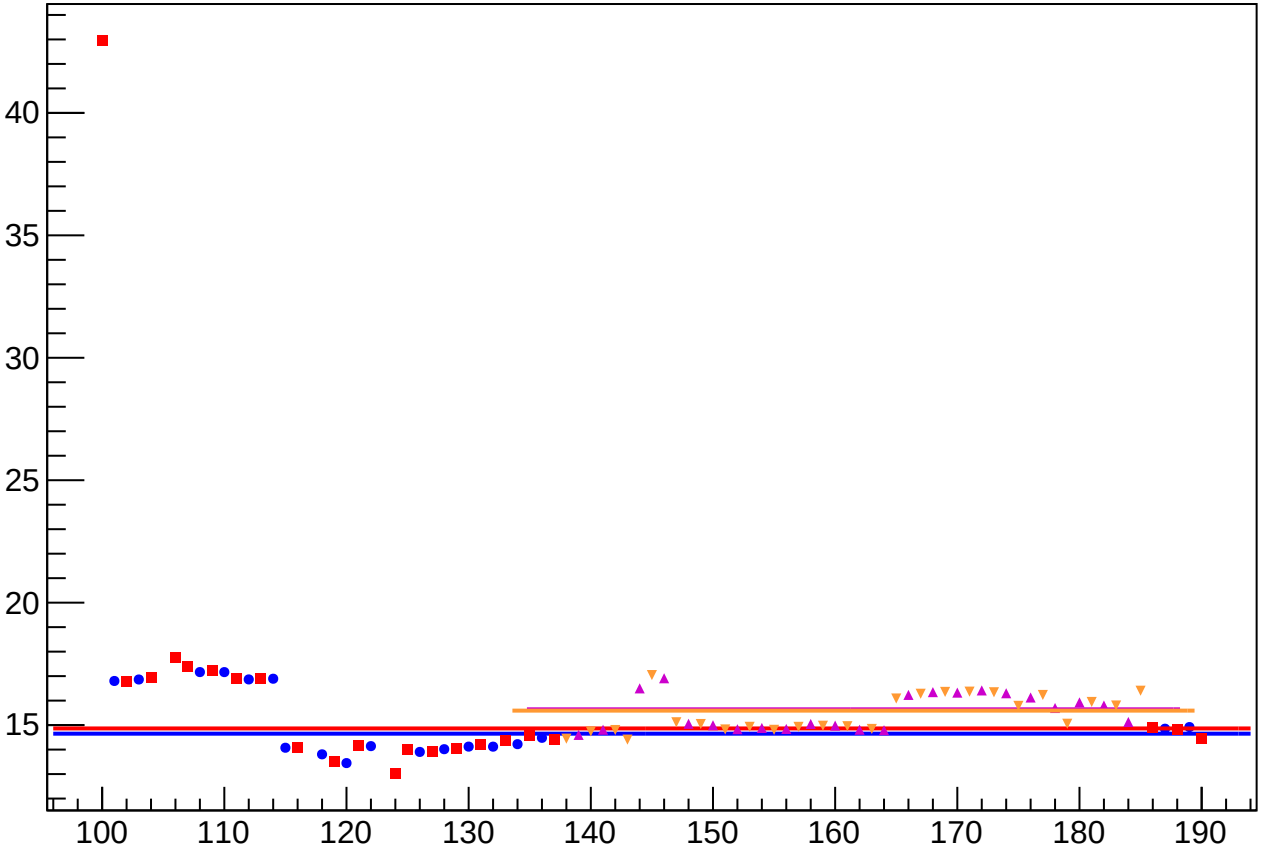
Right: 0.074+/-0.000 χ^2/NDF: 7257696.6/39

In: 0.062+/-0.000 χ^2/NDF:4282362.6/40

Out: 0.061+/-0.000 χ^2/NDF:6978953.3/46

All: 0.061+/-0.000 χ^2/NDF: 11278550.7/87

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.650+/-0.000 χ^2/NDF: 1195248052.6/17

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.863+/-0.000 χ^2/NDF: 1731320886.9/21

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

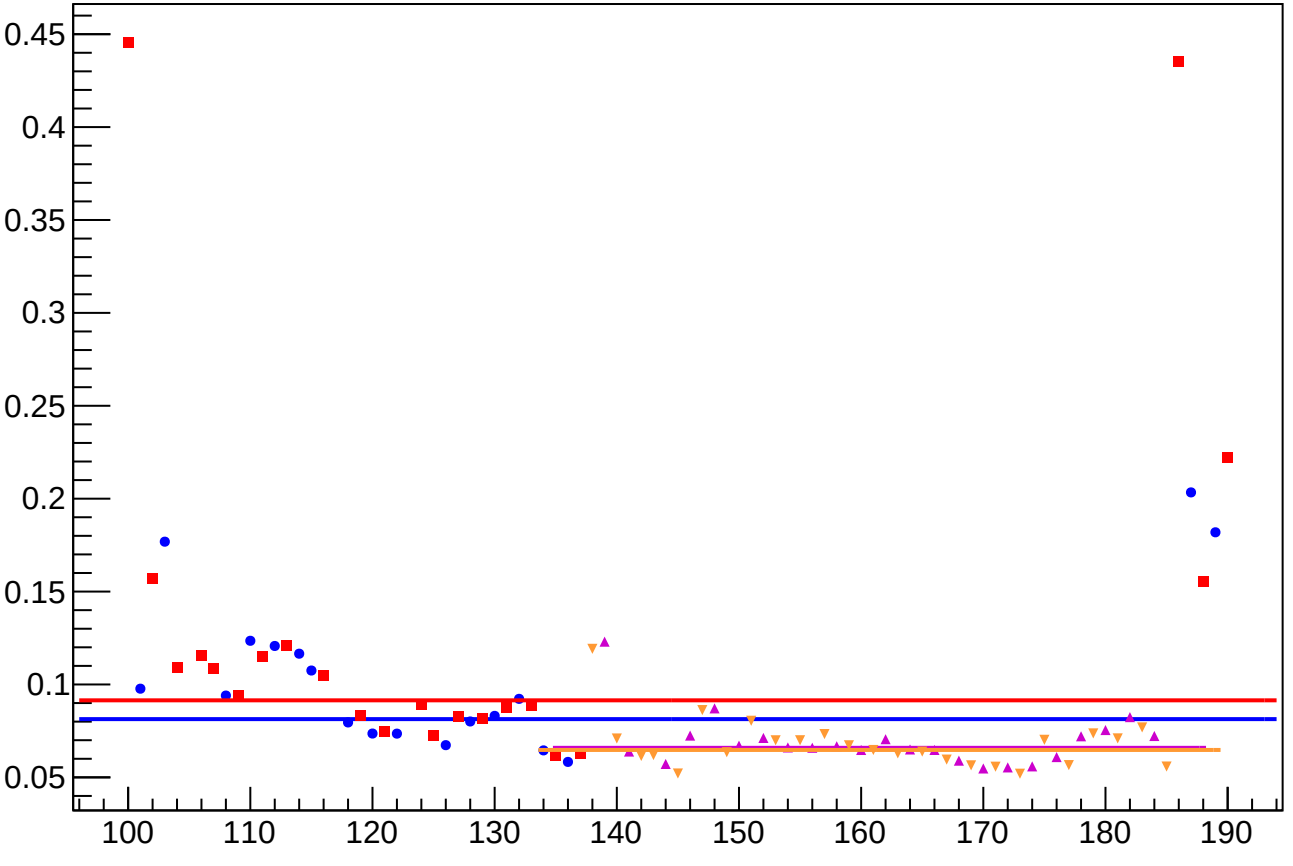
Right: 14.751+/-0.000 χ^2/NDF: 2947296531.3/39

In: 15.435+/-0.000 χ^2/NDF:3801918198.7/40

Out: 15.459+/-0.000 χ^2/NDF:4365036780.9/46

All: 15.447+/-0.000 χ^2/NDF: 8168332370.3/8

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.081+/-0.000 χ^2/NDF: 1370420.4/17

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 1861656.8/21

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

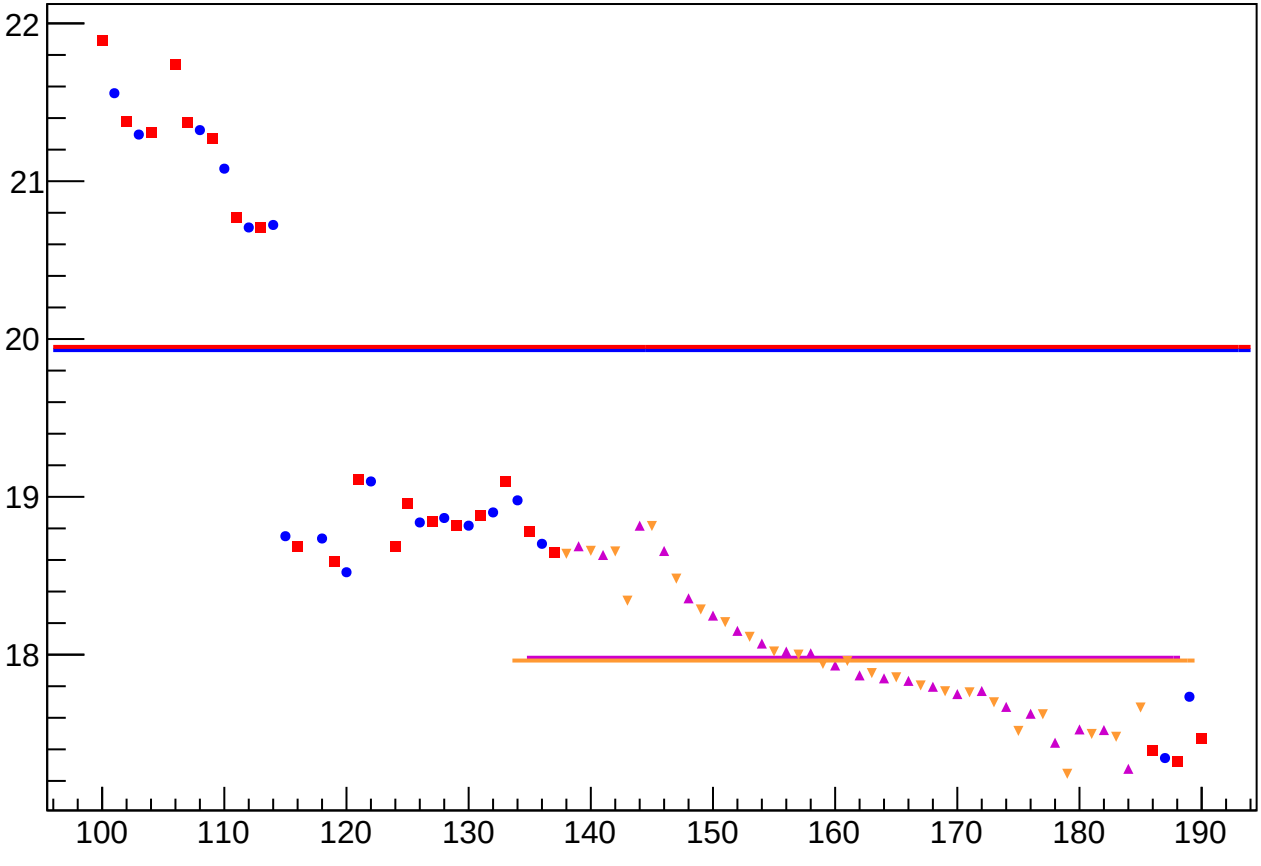
Right: 0.086+/-0.000 χ^2/NDF: 3325209.3/39

In: 0.069+/-0.000 χ^2/NDF:2519885.5/40

Out: 0.070+/-0.000 χ^2/NDF:3730396.6/46

All: 0.069+/-0.000 χ^2/NDF: 6251217.5/87

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.930+/-0.000 χ^2/NDF: 11939624232.0/17

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.950+/-0.000 χ^2/NDF: 14554631182.4/21

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

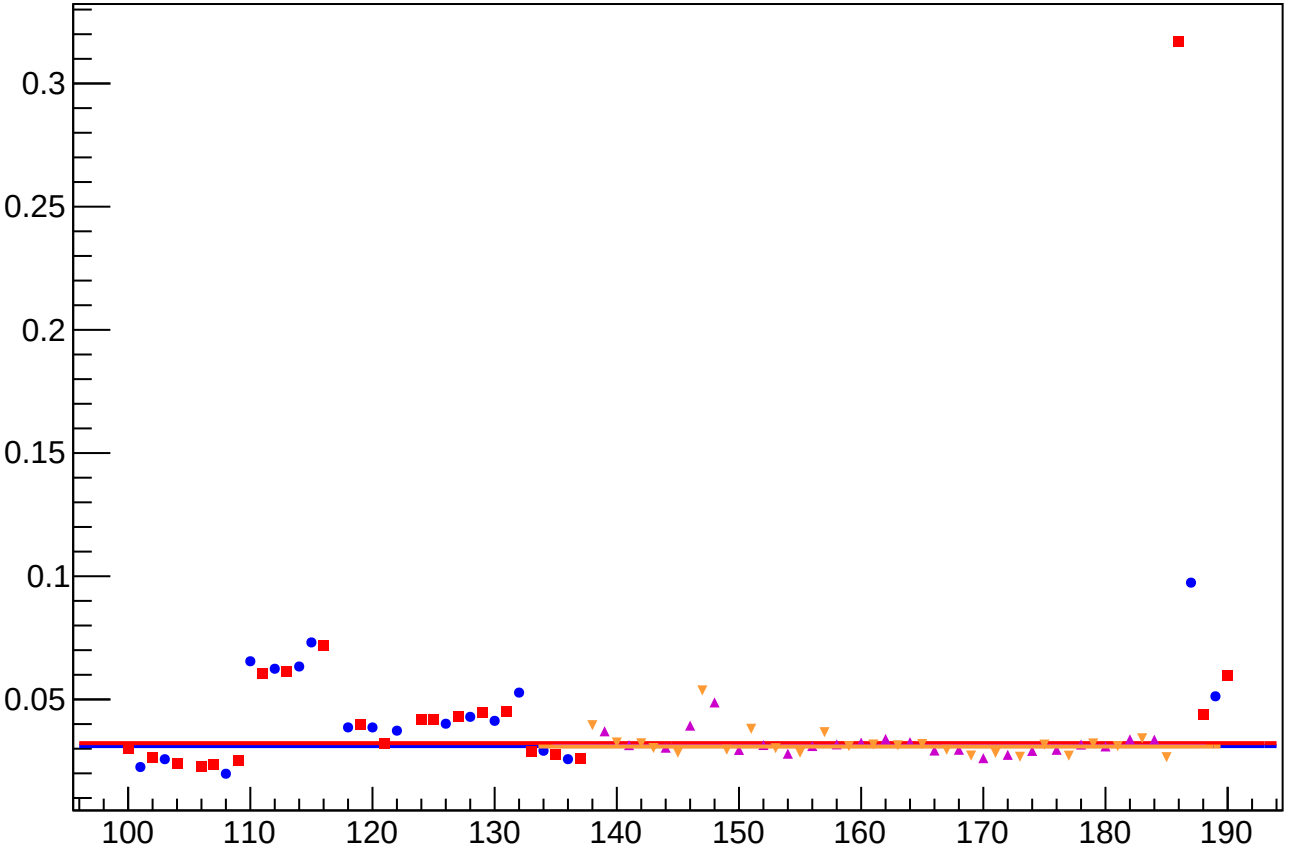
Right: 19.940+/-0.000 χ^2/NDF: 26495672933.3/39

In: 18.512+/-0.000 χ^2/NDF:33187147708.9/40

Out: 18.499+/-0.000 χ^2/NDF:38023500858.0/46

All: 18.505+/-0.000 χ^2/NDF: 71213068324.2

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 1774024.7/17

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.032+/-0.000 χ^2/NDF: 2107356.7/21

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

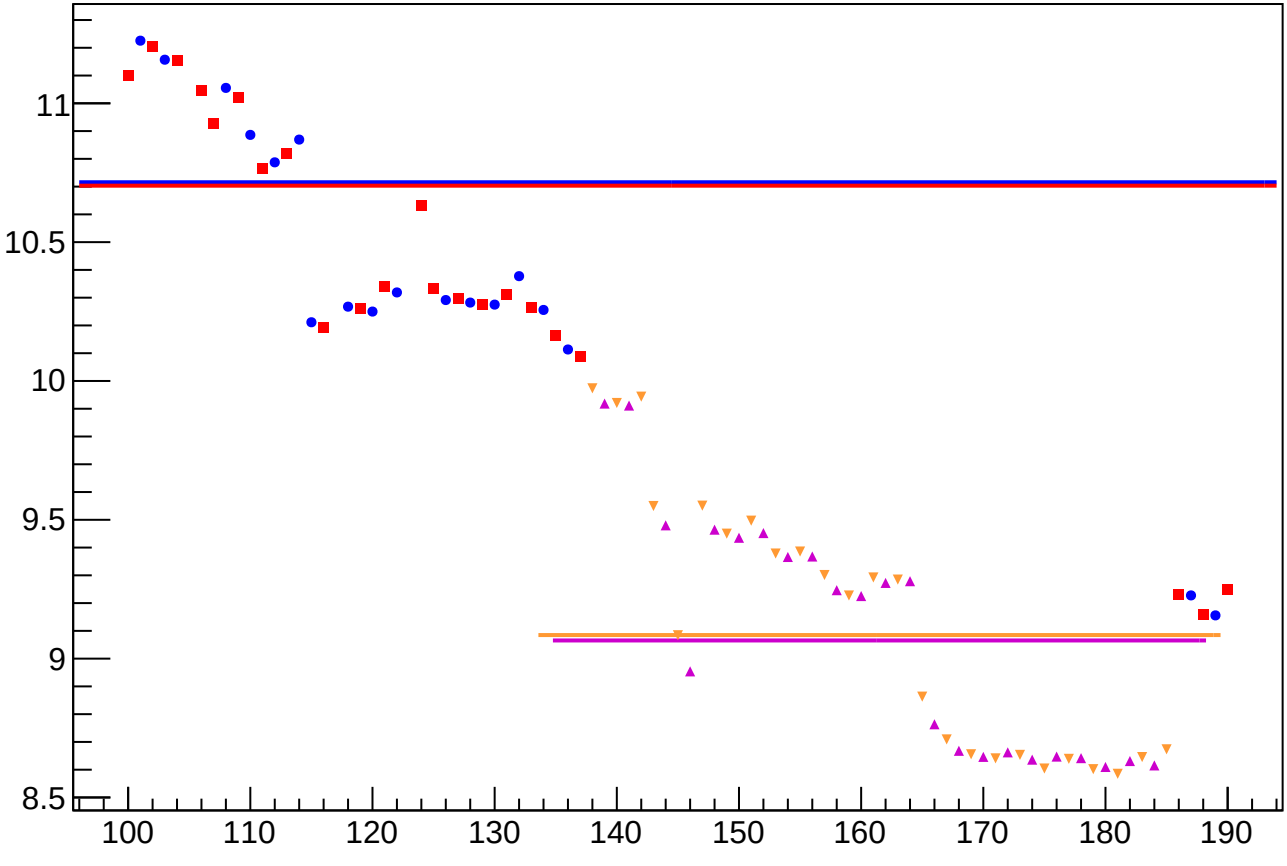
Right: 0.032+/-0.000 χ^2/NDF: 3891244.4/39

In: 0.031+/-0.000 χ^2/NDF:2256995.7/40

Out: 0.031+/-0.000 χ^2/NDF:2760306.9/46

All: 0.031+/-0.000 χ^2/NDF: 5017818.5/87

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.716+/-0.000 χ^2/NDF: 6688053848.5/17

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.703+/-0.000 χ^2/NDF: 6330145935.3/21

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

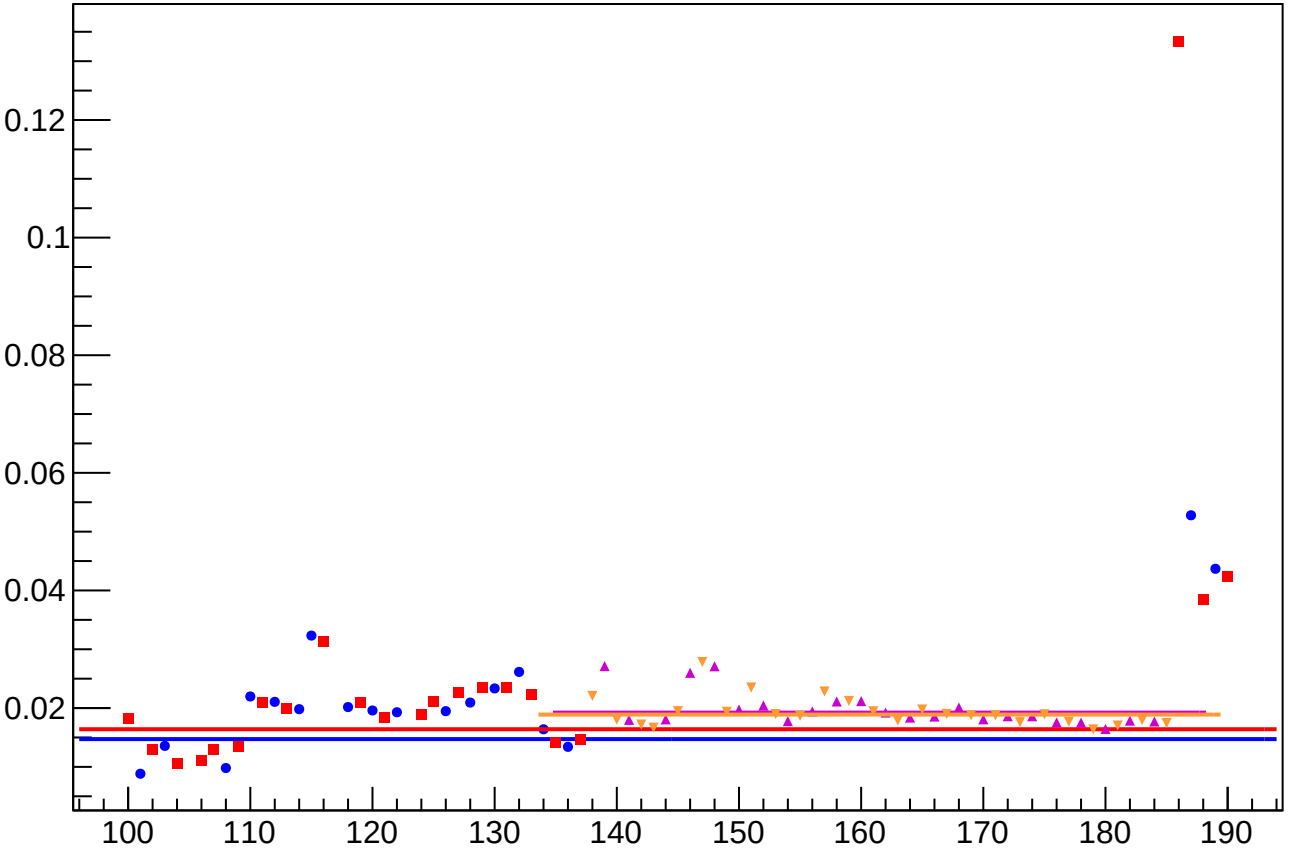
Right: 10.710+/-0.000 χ^2/NDF: 13020260870.4/39

In: 9.700+/-0.000 χ^2/NDF:61622304060.1/40

Out: 9.649+/-0.000 χ^2/NDF:61493908176.0/46

All: 9.674+/-0.000 χ^2/NDF: 123212744268.8

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2129606.6/17

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2562689.2/21

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

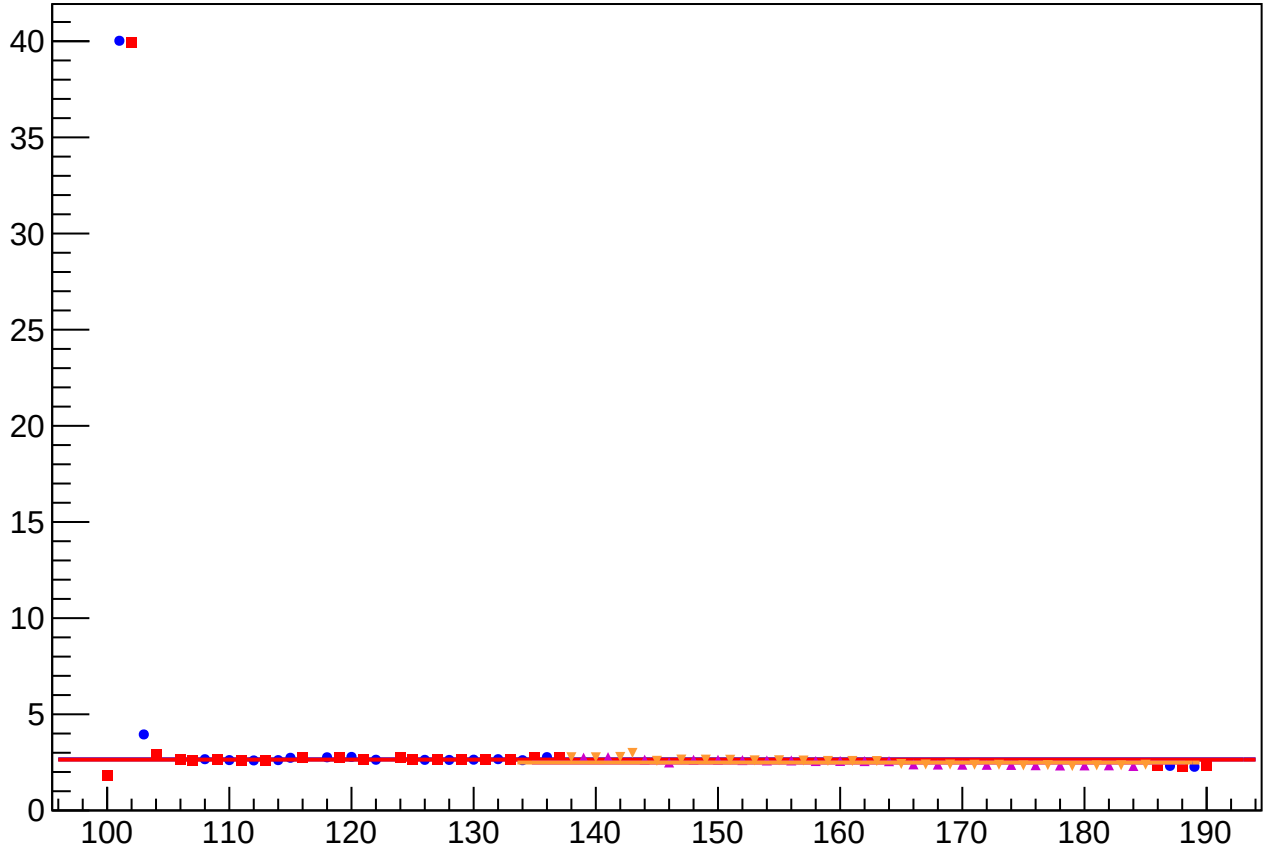
Right: 0.016+/-0.000 χ^2/NDF: 4769103.3/39

In: 0.017+/-0.000 χ^2/NDF:3370565.9/40

Out: 0.018+/-0.000 χ^2/NDF:3216927.4/46

All: 0.018+/-0.000 χ^2/NDF: 6608235.5/87

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.658+/-0.000 χ^2/NDF: 70935329661.0/17

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.643+/-0.000 χ^2/NDF: 71671179948.0/21

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

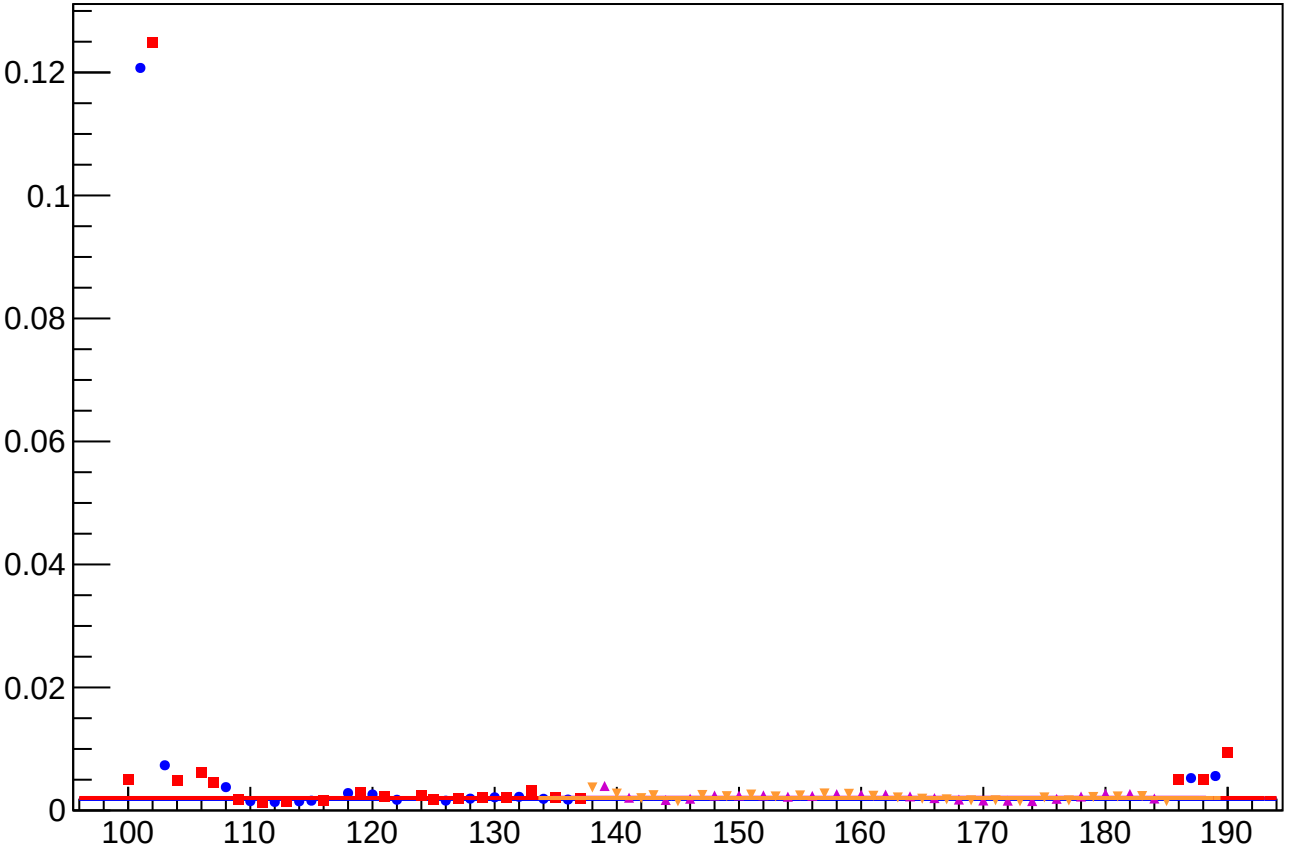
Right: 2.651+/-0.000 χ^2/NDF: 142772734833.4/39

In: 2.539+/-0.000 χ^2/NDF:161680904971.9/40

Out: 2.534+/-0.000 χ^2/NDF:188254422840.6/46

All: 2.536+/-0.000 χ^2/NDF: 350015761721.4

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2406888.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3889094.4/21

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

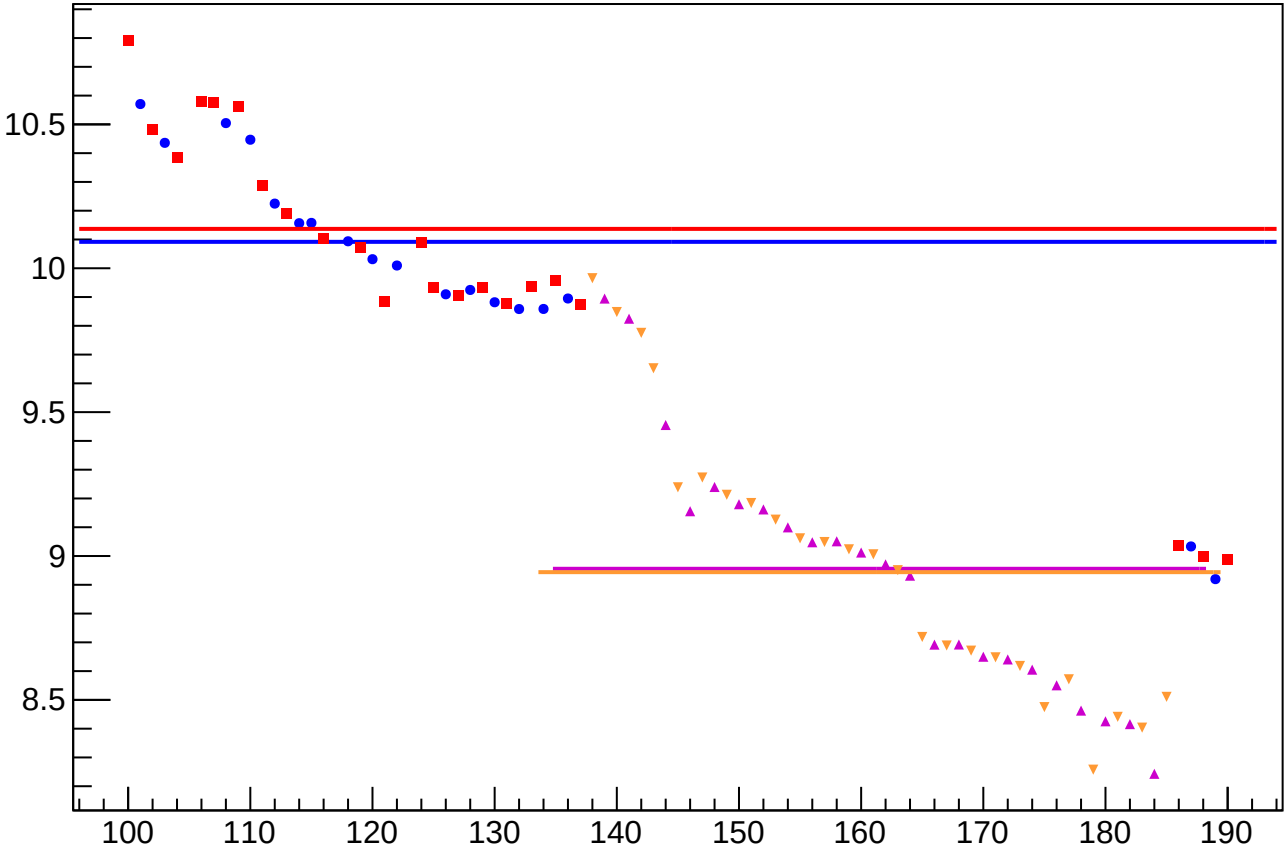
Right: 0.002+/-0.000 χ^2/NDF: 6333229.2/39

In: 0.002+/-0.000 χ^2/NDF:3888837.9/40

Out: 0.002+/-0.000 χ^2/NDF:5445616.8/46

All: 0.002+/-0.000 χ^2/NDF: 9336162.7/87

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.092+/-0.000 χ^2/NDF: 12236429059.8/17

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.137+/-0.000 χ^2/NDF: 16723854733.9/21

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

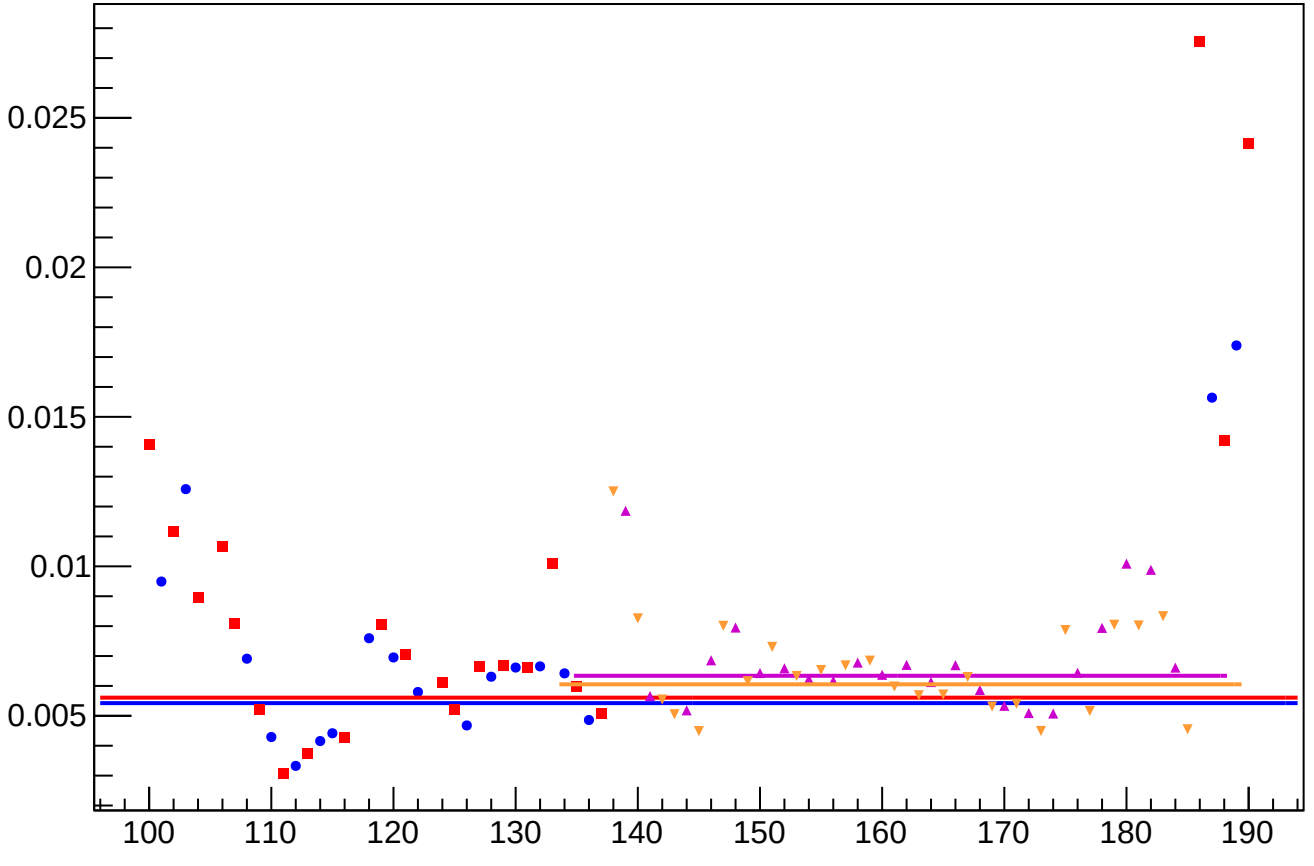
Right: 10.115+/-0.000 χ^2/NDF: 29162268629.1/39

In: 9.354+/-0.000 χ^2/NDF:227877935740.8/40

Out: 9.334+/-0.000 χ^2/NDF:276549443219.3/46

All: 9.344+/-0.000 χ^2/NDF: 504545279380.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1903883.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3411450.0/21

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

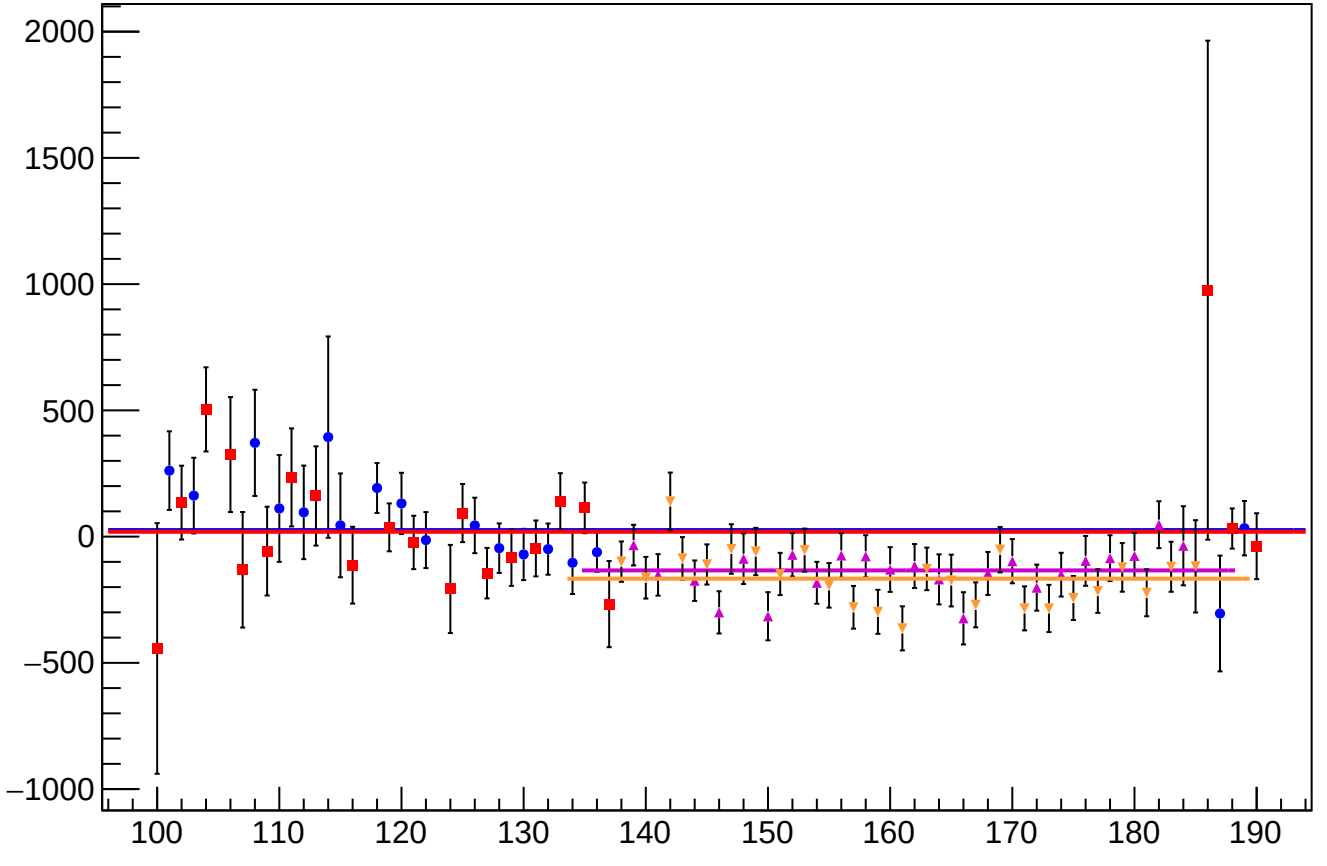
Right: 0.006+/-0.000 χ^2/NDF: 5322022.3/39

In: 0.006+/-0.000 χ^2/NDF:3291951.4/40

Out: 0.006+/-0.000 χ^2/NDF:4926658.1/46

All: 0.006+/-0.000 χ^2/NDF: 8225794.7/87

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.901+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 19.223+/-28.234 χ^2/NDF: 27.1/21

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

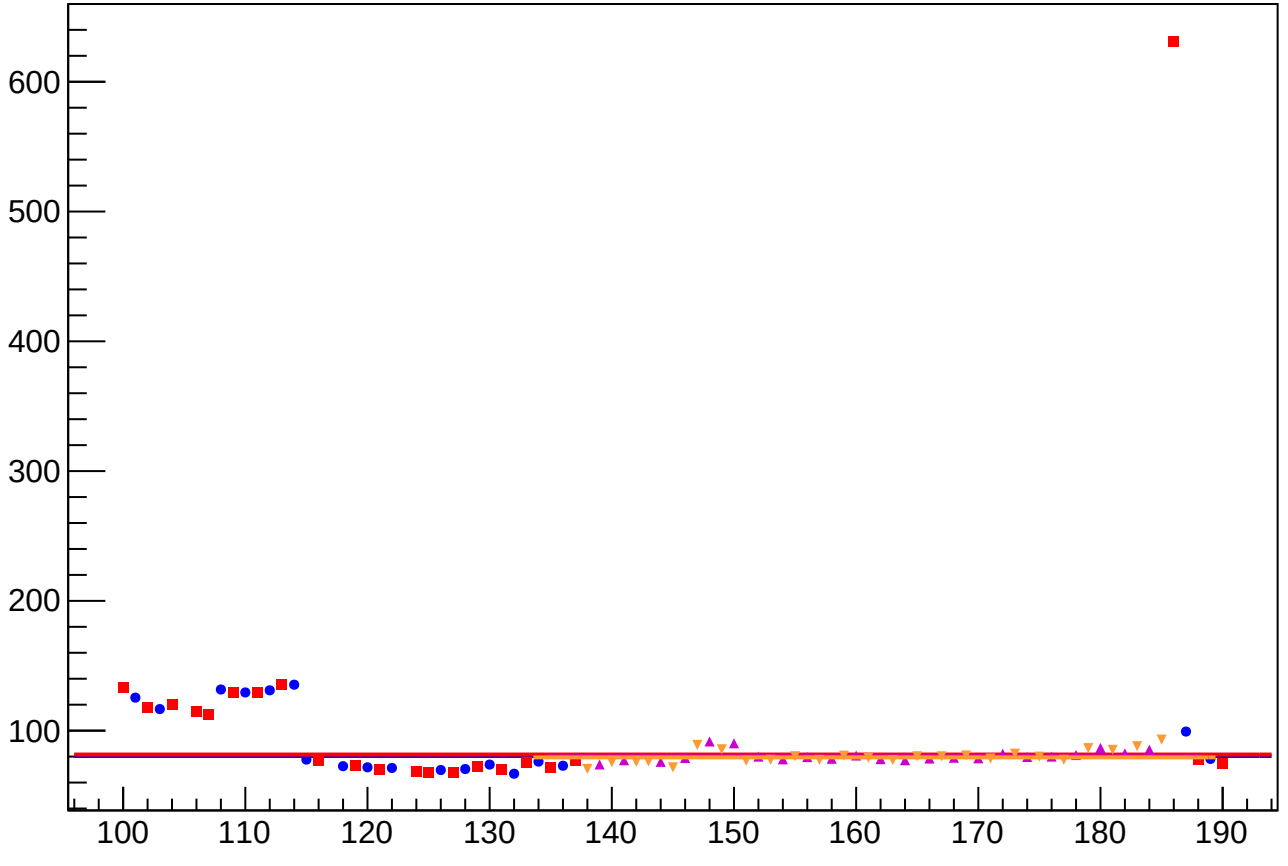
Right: 22.432+/-20.351 χ^2/NDF: 44.3/39

In: -87.544+/-15.806 χ^2/NDF:59.0/40

Out: -112.619+/-15.225 χ^2/NDF:89.4/46

All: -100.550+/-10.965 χ^2/NDF: 149.7/87

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.505+/-0.021 χ^2/NDF: 854422.5/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 81.597+/-0.020 χ^2/NDF: 1560256.4/21

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

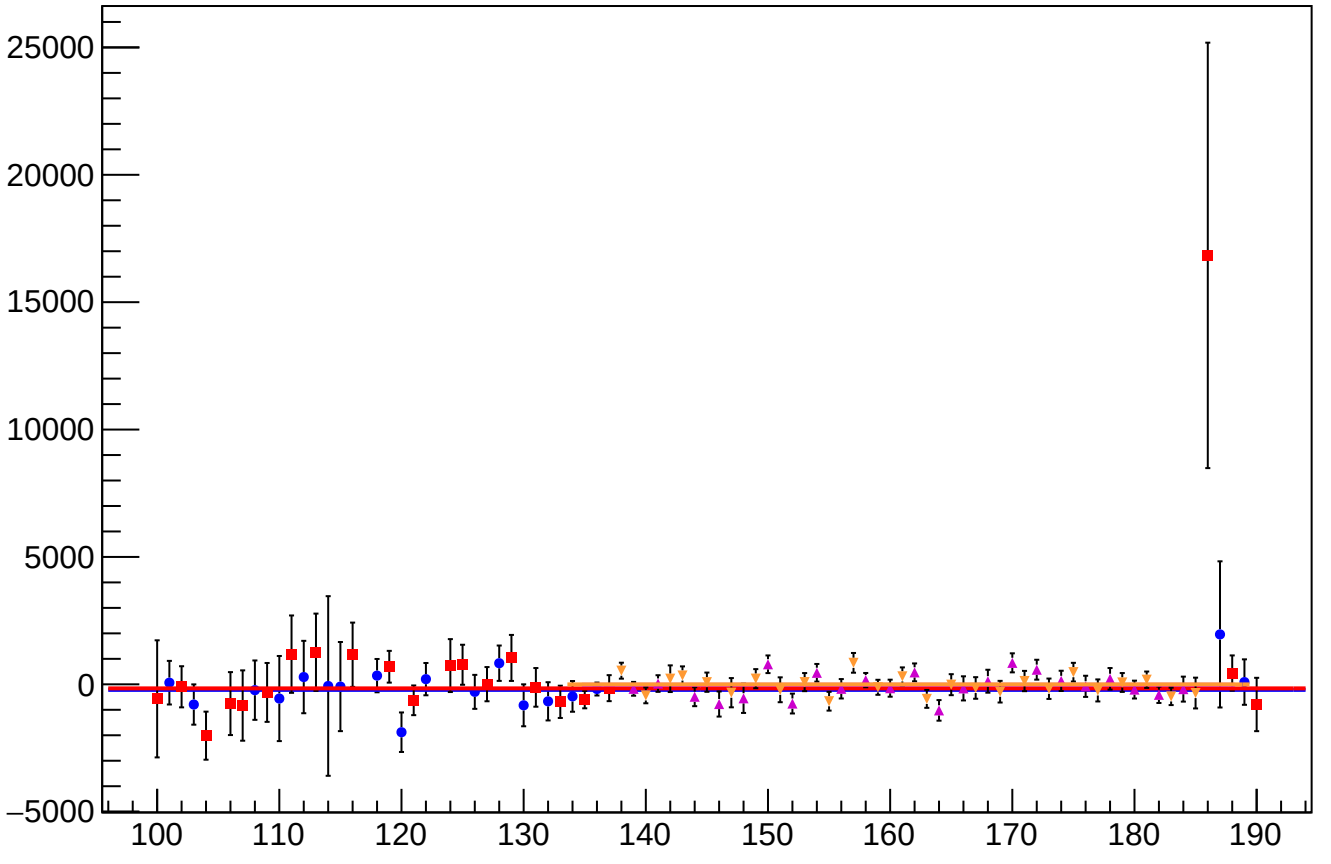
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 81.072+/-0.014 χ^2/NDF: 2416114.5/39

In: 80.260+/-0.011 χ^2/NDF:946088.4/40

Out: 80.046+/-0.011 χ^2/NDF:1703556.9/46

All: 80.149+/-0.008 χ^2/NDF: 2649835.6/87



Right In: -218.115+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -159.626+/-163.380 χ^2/NDF: 21.3/21

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

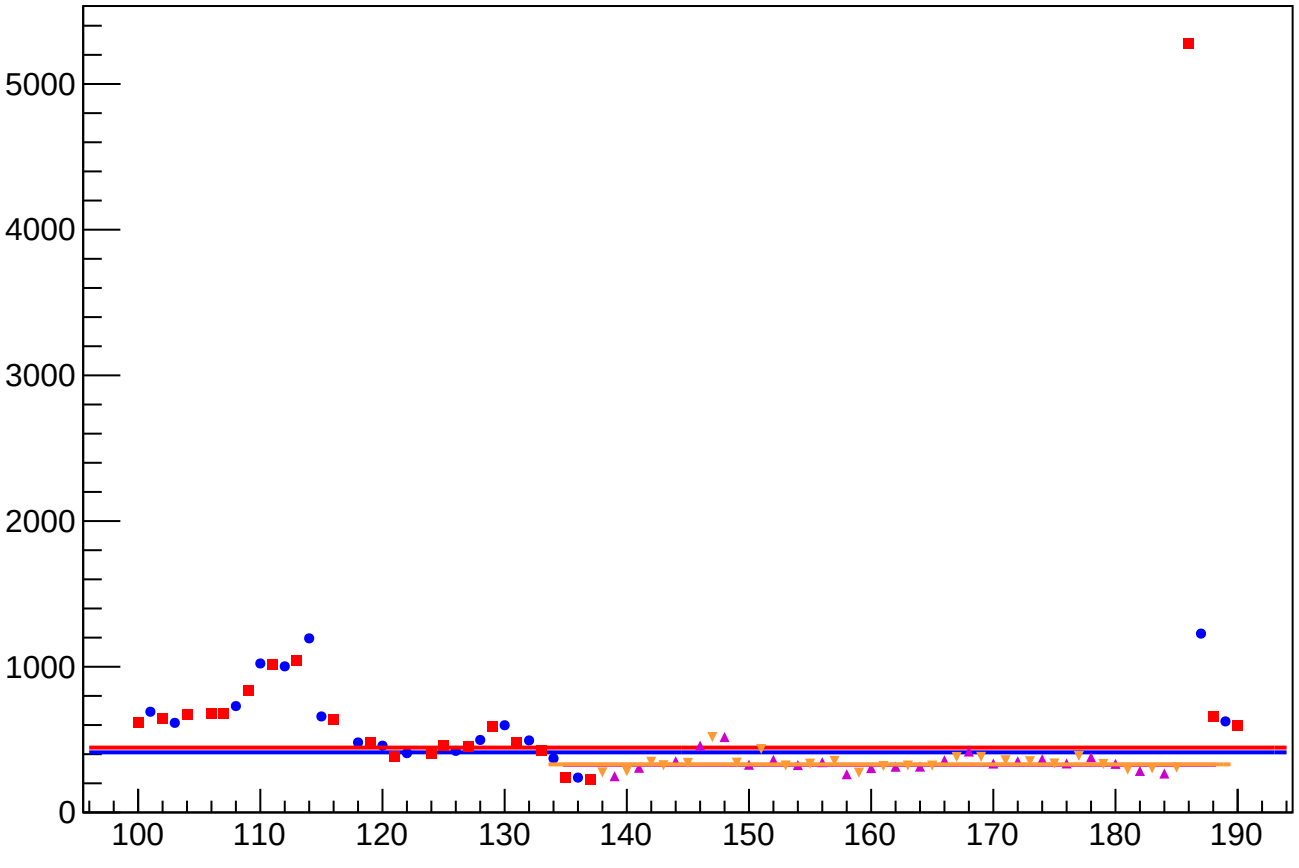
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -189.332+/-114.611 χ^2/NDF: 32.0/39

In: -56.800+/-69.846 χ^2/NDF:46.9/40

Out: -31.170+/-68.807 χ^2/NDF:46.0/46

All: -43.793+/-49.017 χ^2/NDF: 93.0/87



Right In: 412.473+/-0.114 χ^2/NDF: 2642198.4/17

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 445.190+/-0.116 χ^2/NDF: 3302187.1/21

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

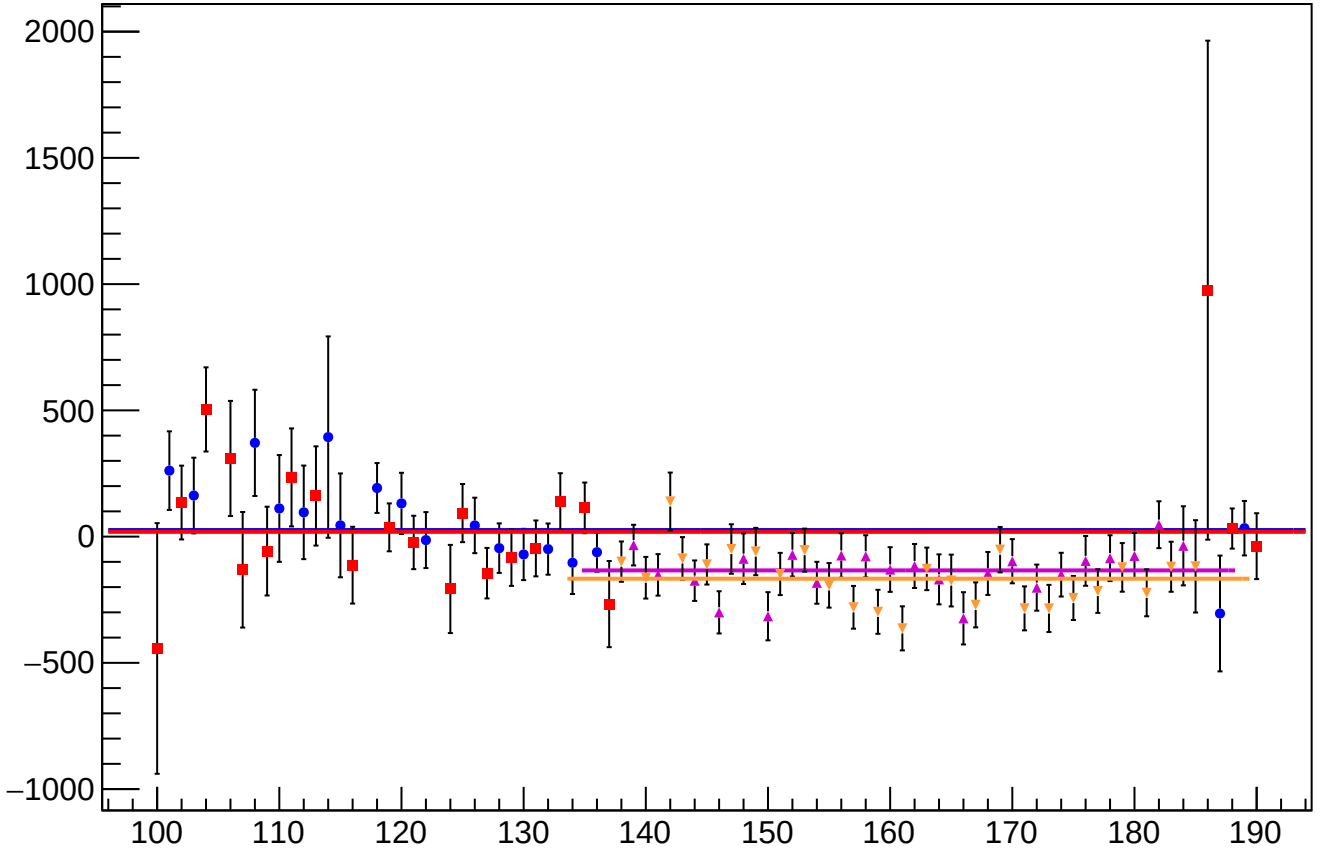
Right: 428.573+/-0.081 χ^2/NDF: 5985120.8/39

In: 343.092+/-0.049 χ^2/NDF:4000296.1/40

Out: 350.404+/-0.049 χ^2/NDF:4779737.7/46

All: 346.803+/-0.035 χ^2/NDF: 8791157.2/87

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.911+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 18.982+/-28.235 χ^2/NDF: 26.9/21

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

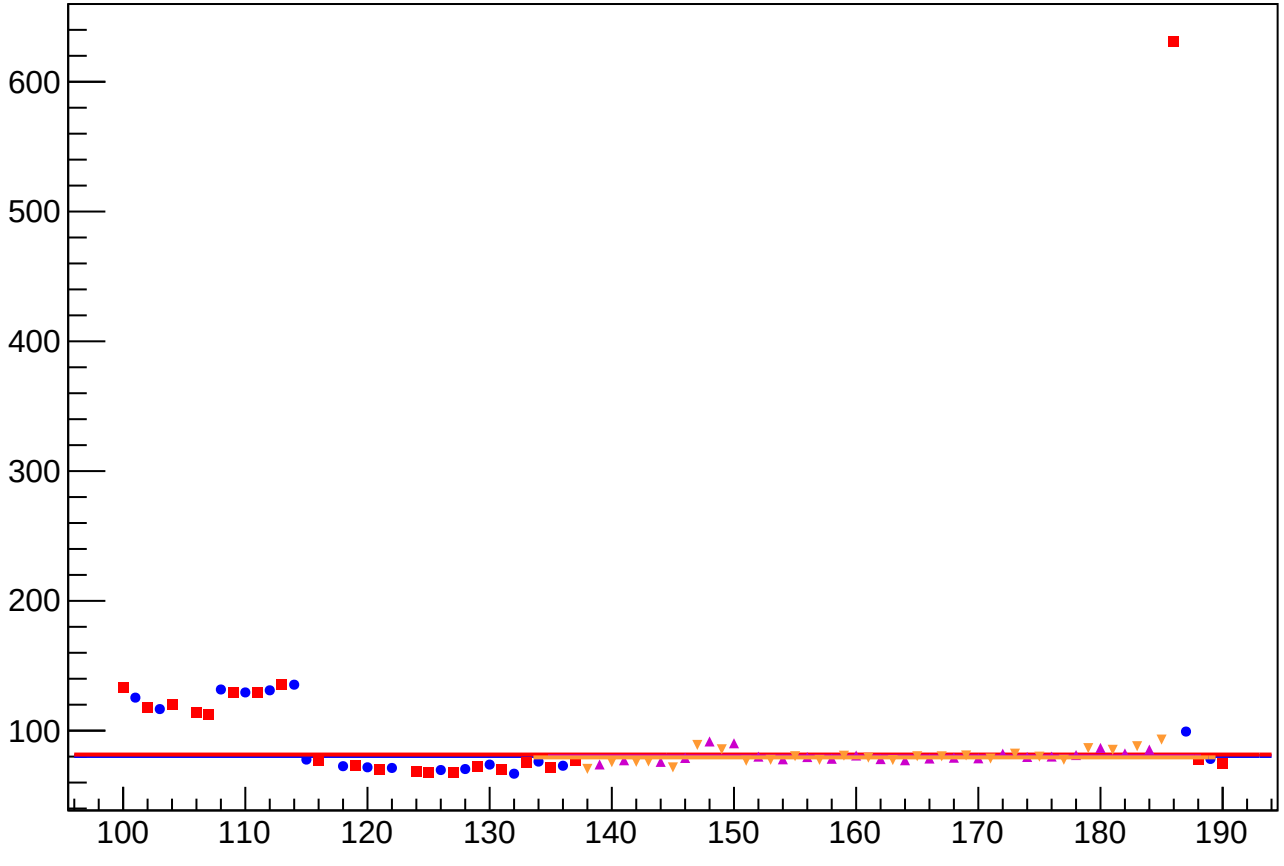
Right: 22.311+/-20.351 χ^2/NDF: 44.1/39

In: -87.546+/-15.806 χ^2/NDF:59.0/40

Out: -112.690+/-15.225 χ^2/NDF:89.2/46

All: -100.588+/-10.965 χ^2/NDF: 149.5/87

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.505+/-0.021 χ^2/NDF: 854422.7/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.584+/-0.020 χ^2/NDF: 1558360.6/21

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

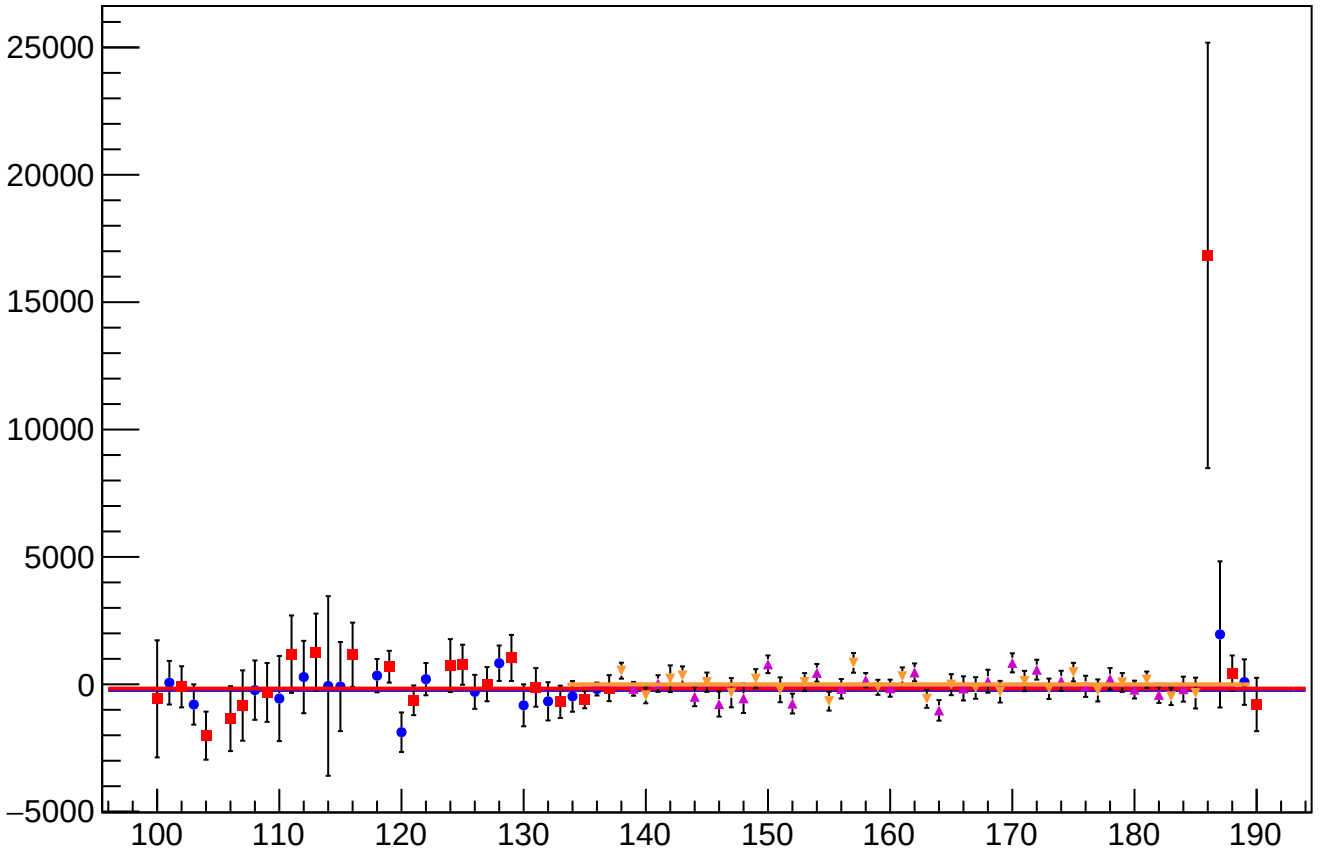
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.066+/-0.014 χ^2/NDF: 2414186.2/39

In: 80.260+/-0.011 χ^2/NDF:946088.6/40

Out: 80.042+/-0.011 χ^2/NDF:1701564.2/46

All: 80.147+/-0.008 χ^2/NDF: 2647849.6/87



Right In: -218.113+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -168.754+/-163.466 χ^2/NDF: 21.9/21

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

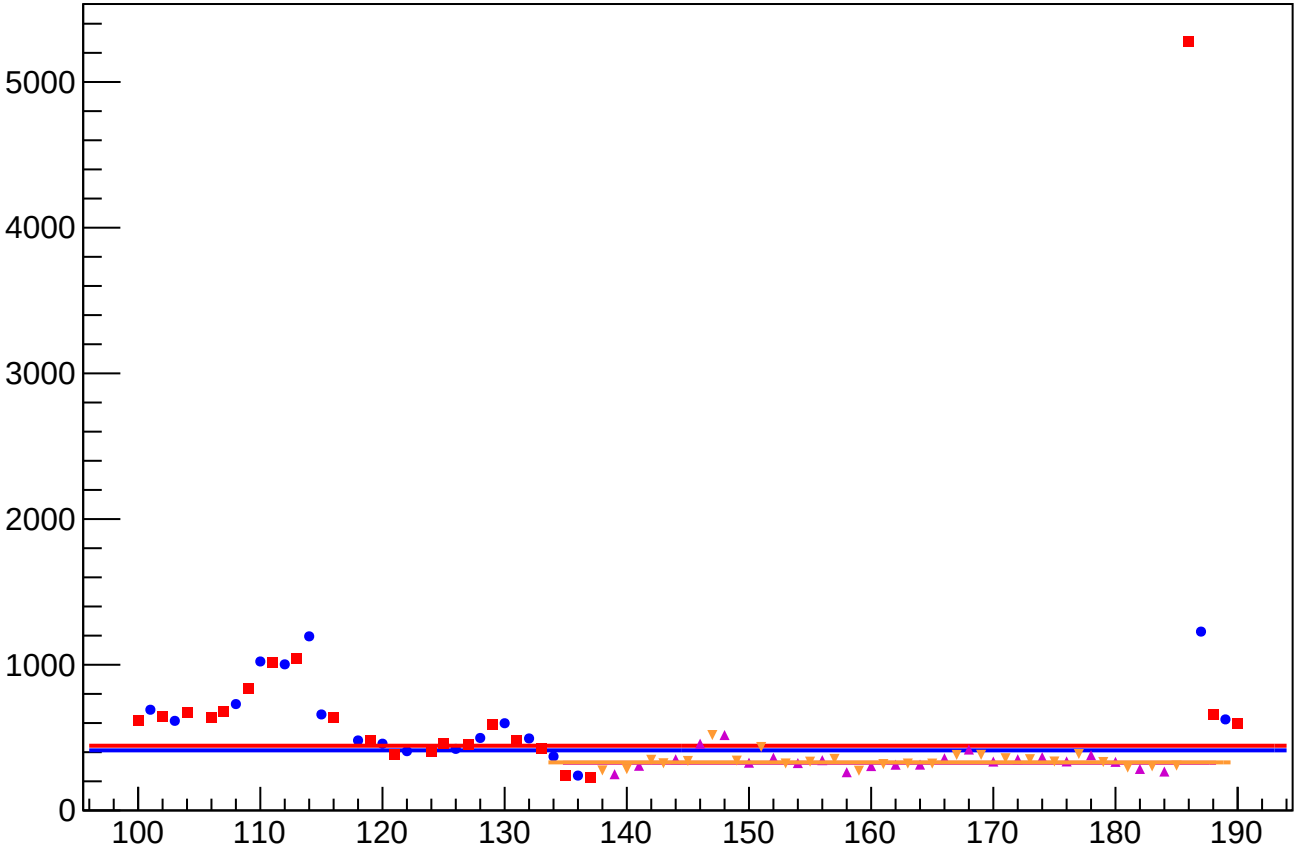
Right: -193.836+/-114.641 χ^2/NDF: 32.6/39

In: -56.805+/-69.846 χ^2/NDF:46.9/40

Out: -32.763+/-68.813 χ^2/NDF:46.8/46

All: -44.605+/-49.019 χ^2/NDF: 93.7/87

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 412.473+/-0.114 χ^2/NDF: 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 444.299+/-0.116 χ^2/NDF: 3277022.4/21

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

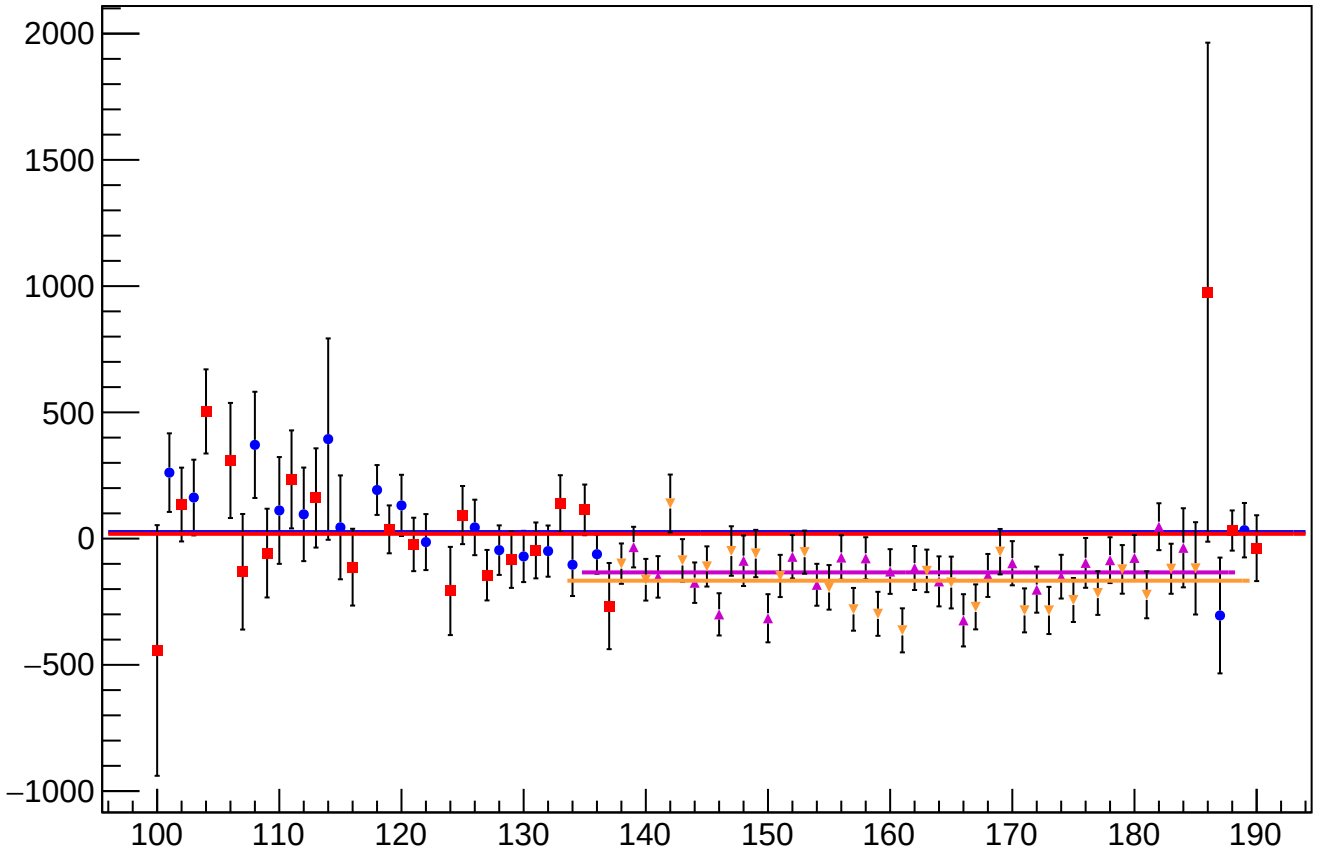
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 428.126+/-0.081 χ^2/NDF: 5957739.0/39

In: 343.092+/-0.049 χ^2/NDF:4000296.0/40

Out: 350.228+/-0.049 χ^2/NDF:4741267.2/46

All: 346.714+/-0.035 χ^2/NDF: 8752157.0/87



Right In: 25.911+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 18.982+/-28.235 χ^2/NDF: 26.9/21

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

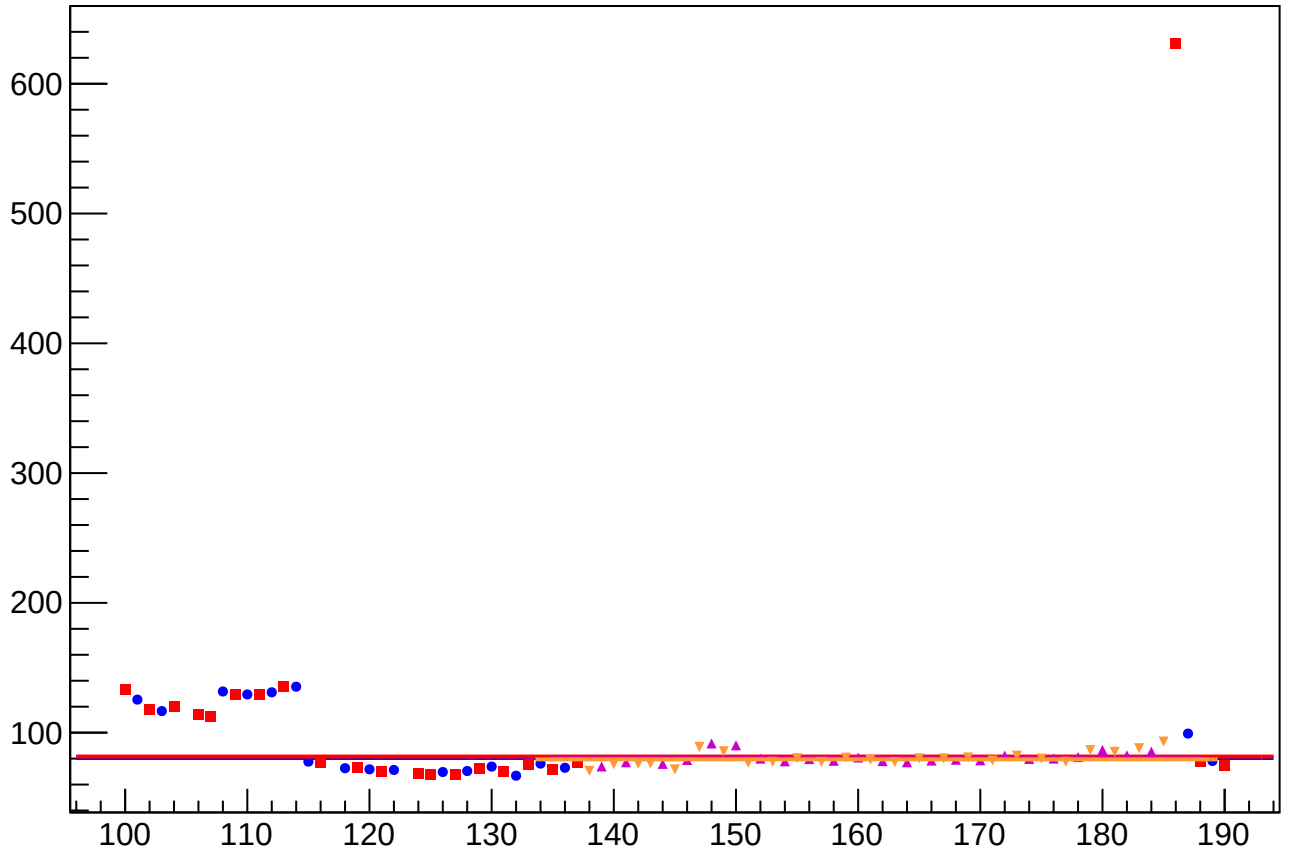
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 22.311+/-20.351 χ^2/NDF: 44.1/39

In: -87.546+/-15.806 χ^2/NDF:59.0/40

Out: -112.690+/-15.225 χ^2/NDF:89.2/46

All: -100.588+/-10.965 χ^2/NDF: 149.5/87



Right In: 80.505+/-0.021 χ^2/NDF: 854422.7/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.584+/-0.020 χ^2/NDF: 1558360.6/21

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

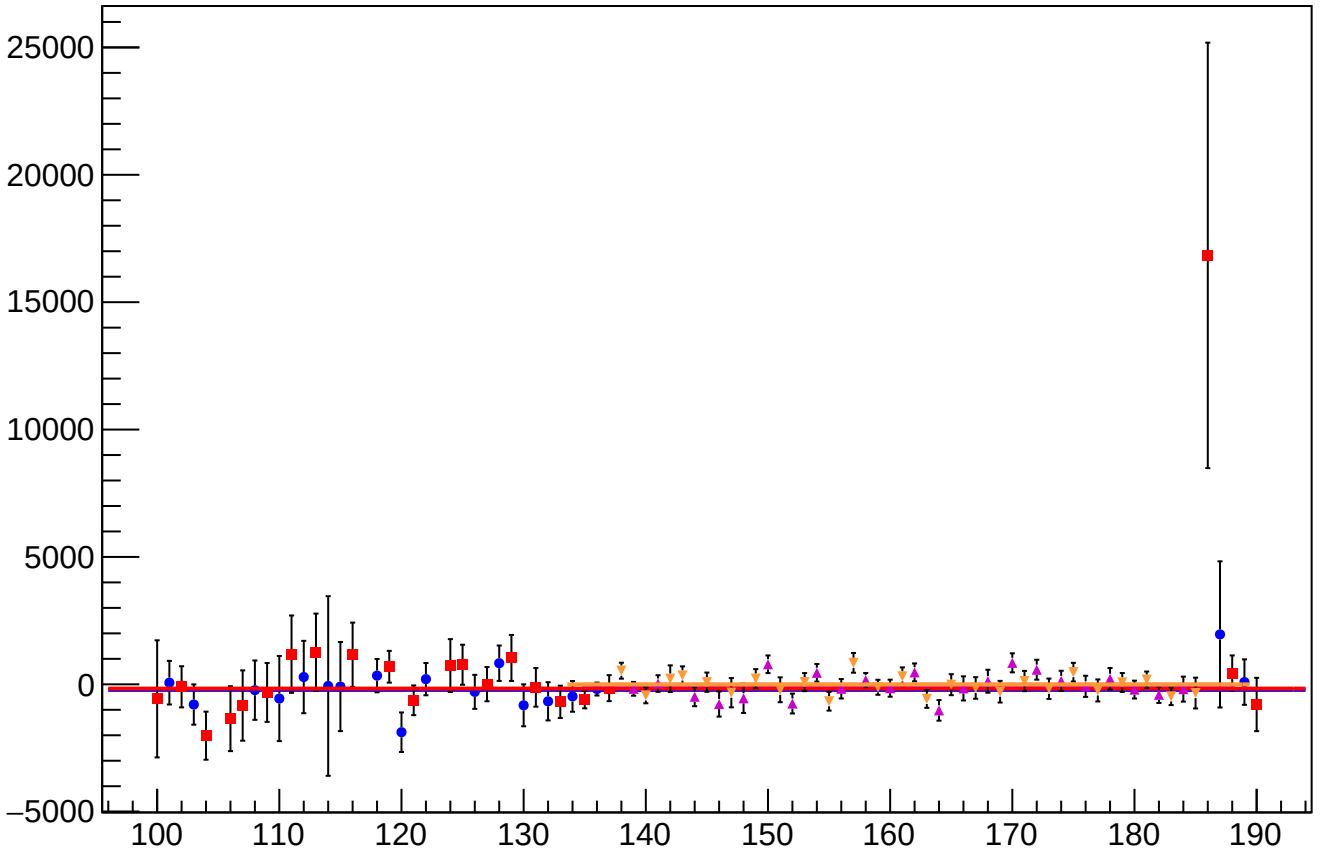
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.066+/-0.014 χ^2/NDF: 2414186.2/39

In: 80.260+/-0.011 χ^2/NDF:946088.6/40

Out: 80.042+/-0.011 χ^2/NDF:1701564.2/46

All: 80.147+/-0.008 χ^2/NDF: 2647849.6/87



Right In: -218.113+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -168.754+/-163.466 χ^2/NDF: 21.9/21

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

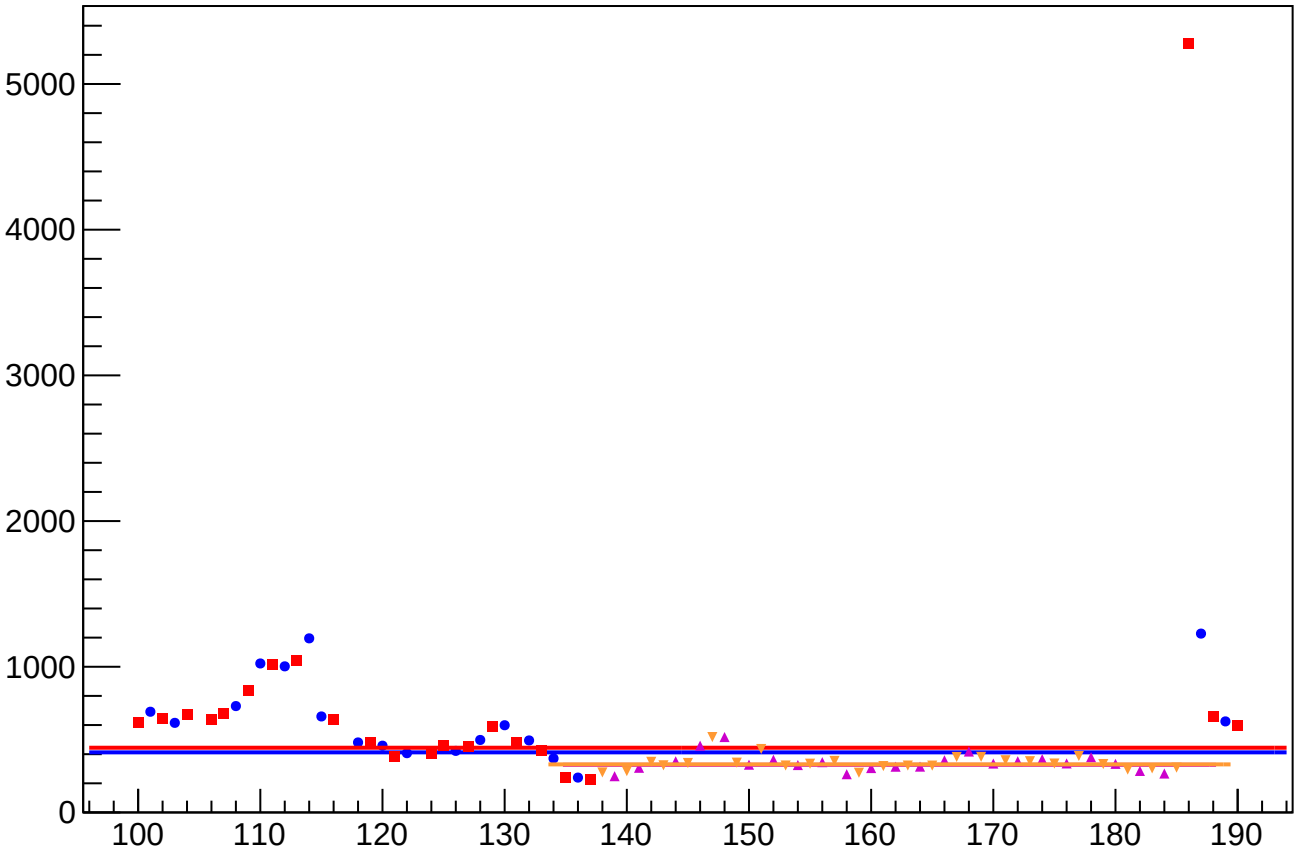
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -193.836+/-114.641 χ^2/NDF: 32.6/39

In: -56.805+/-69.846 χ^2/NDF:46.9/40

Out: -32.763+/-68.813 χ^2/NDF:46.8/46

All: -44.605+/-49.019 χ^2/NDF: 93.7/87



Right In: 412.473+/-0.114 χ^2/NDF: 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 444.299+/-0.116 χ^2/NDF: 3277022.4/21

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

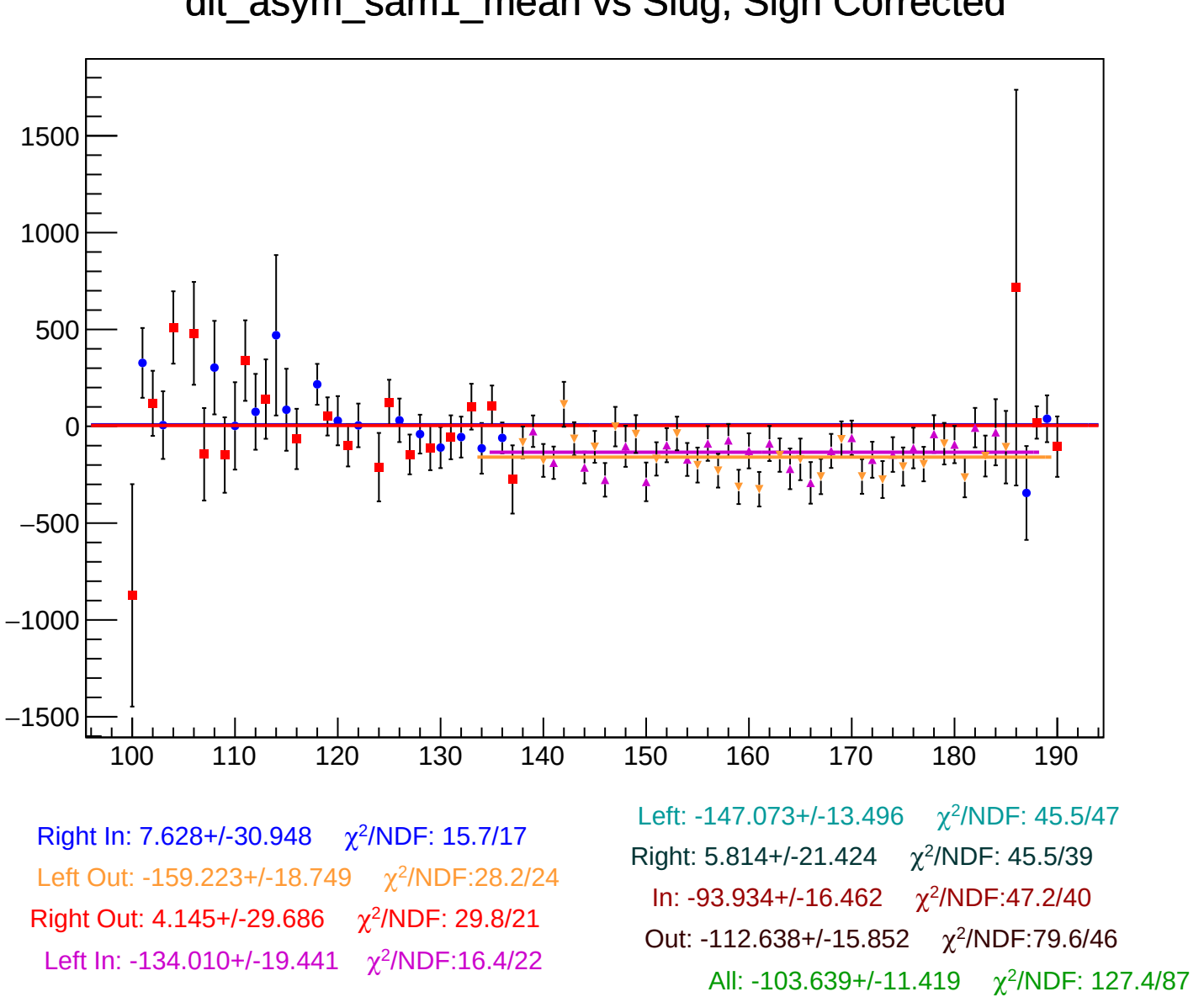
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 428.126+/-0.081 χ^2/NDF: 5957739.0/39

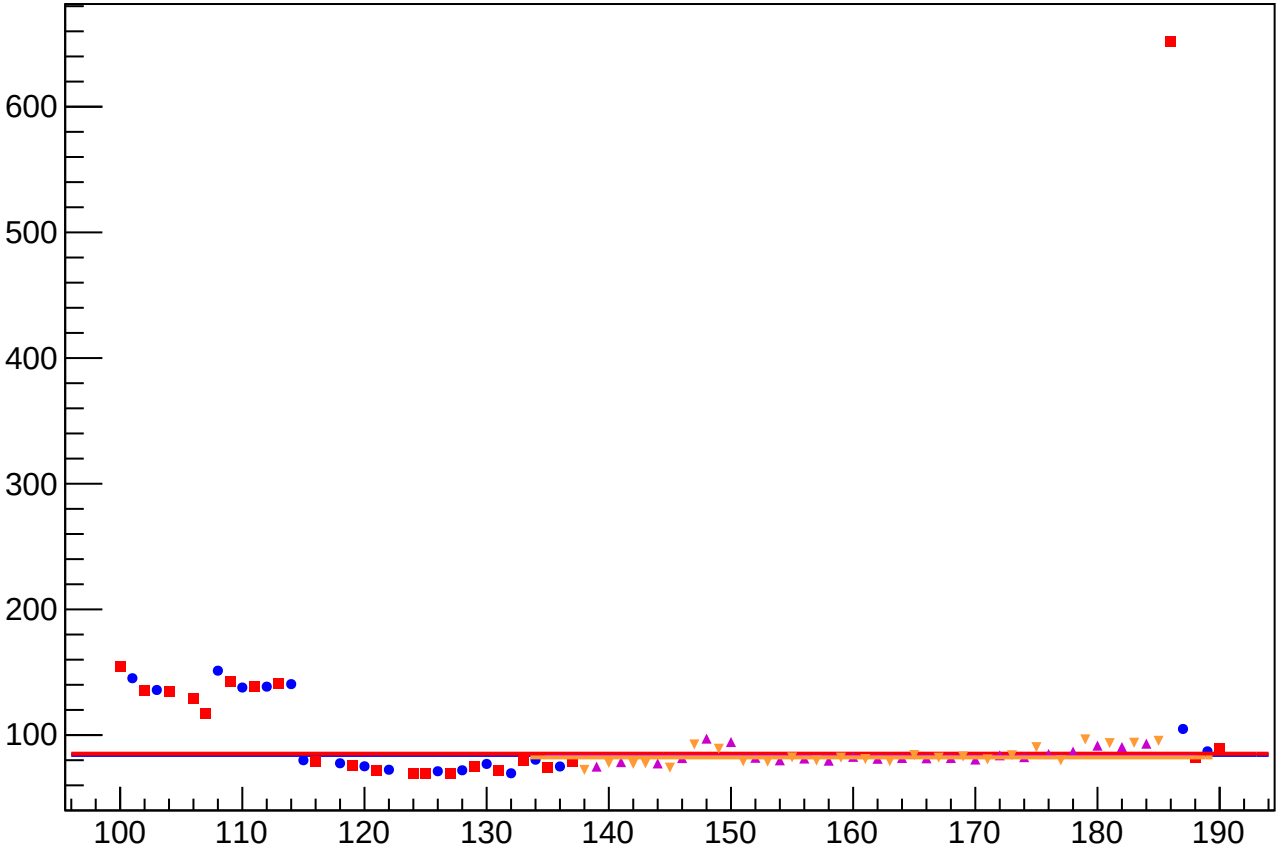
In: 343.092+/-0.049 χ^2/NDF:4000296.0/40

Out: 350.228+/-0.049 χ^2/NDF:4741267.2/46

All: 346.714+/-0.035 χ^2/NDF: 8752157.0/87


dit_asym_sam1_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 7.628+/-30.948 χ²/NDF: 15.7/17
Left Out: -159.223+/-18.749 χ²/NDF:28.2/24
Right Out: 4.145+/-29.686 χ²/NDF: 29.8/21
Left In: -134.010+/-19.441 χ²/NDF:16.4/22
Left: -147.073+/-13.496 χ²/NDF: 45.5/47
Right: 5.814+/-21.424 χ²/NDF: 45.5/39
In: -93.934+/-16.462 χ²/NDF:47.2/40
Out: -112.638+/-15.852 χ²/NDF:79.6/46
All: -103.639+/-11.419 χ²/NDF: 127.4/87

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.226+/-0.022 χ^2/NDF: 1051014.3/17

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 85.186+/-0.021 χ^2/NDF: 1741541.9/21

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

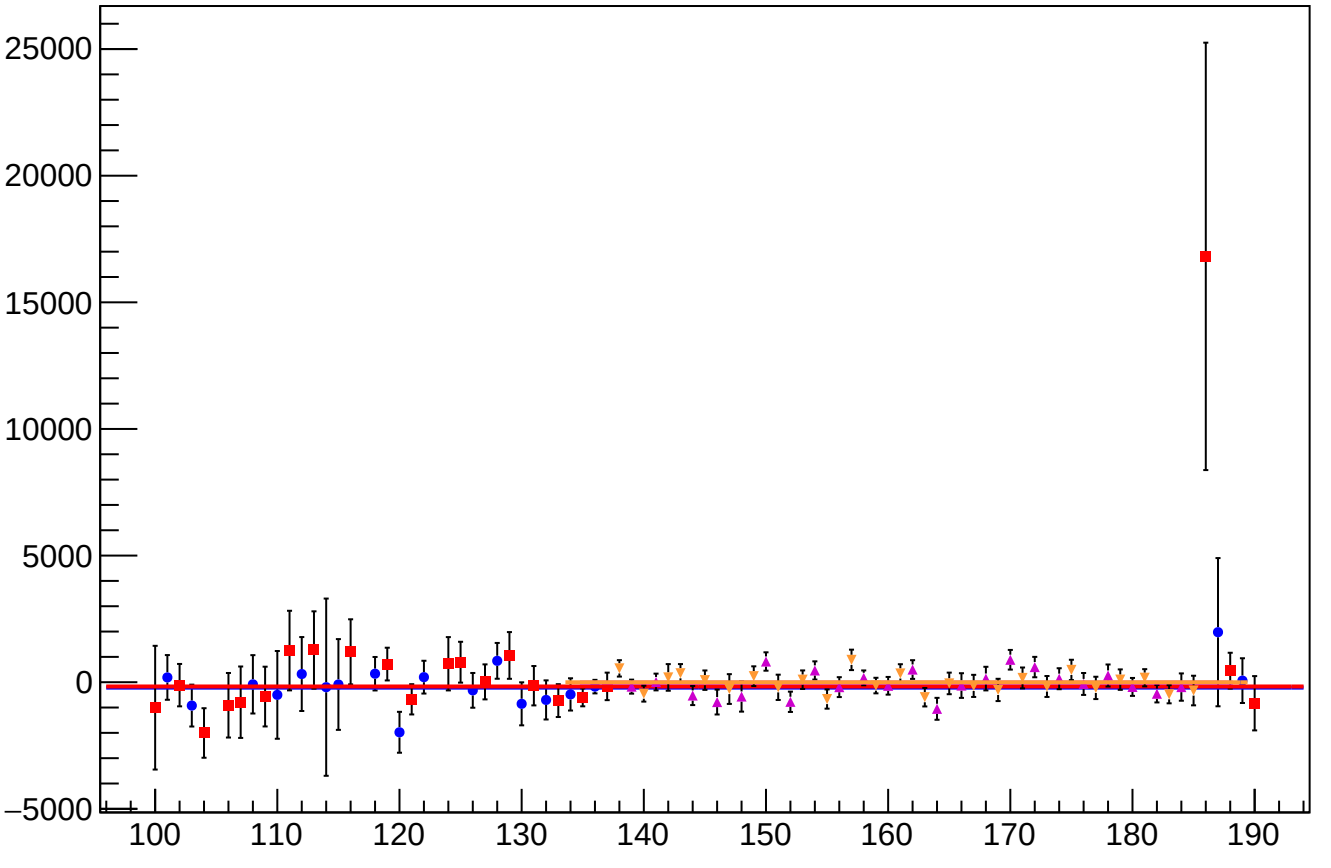
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 84.726+/-0.015 χ^2/NDF: 2793559.9/39

In: 83.342+/-0.012 χ^2/NDF:1198897.3/40

Out: 83.085+/-0.011 χ^2/NDF:1972103.4/46

All: 83.209+/-0.008 χ^2/NDF: 3171252.6/87



Right In: -213.752+/-166.790 χ^2/NDF: 11.1/17

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -168.962+/-168.710 χ^2/NDF: 21.1/21

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

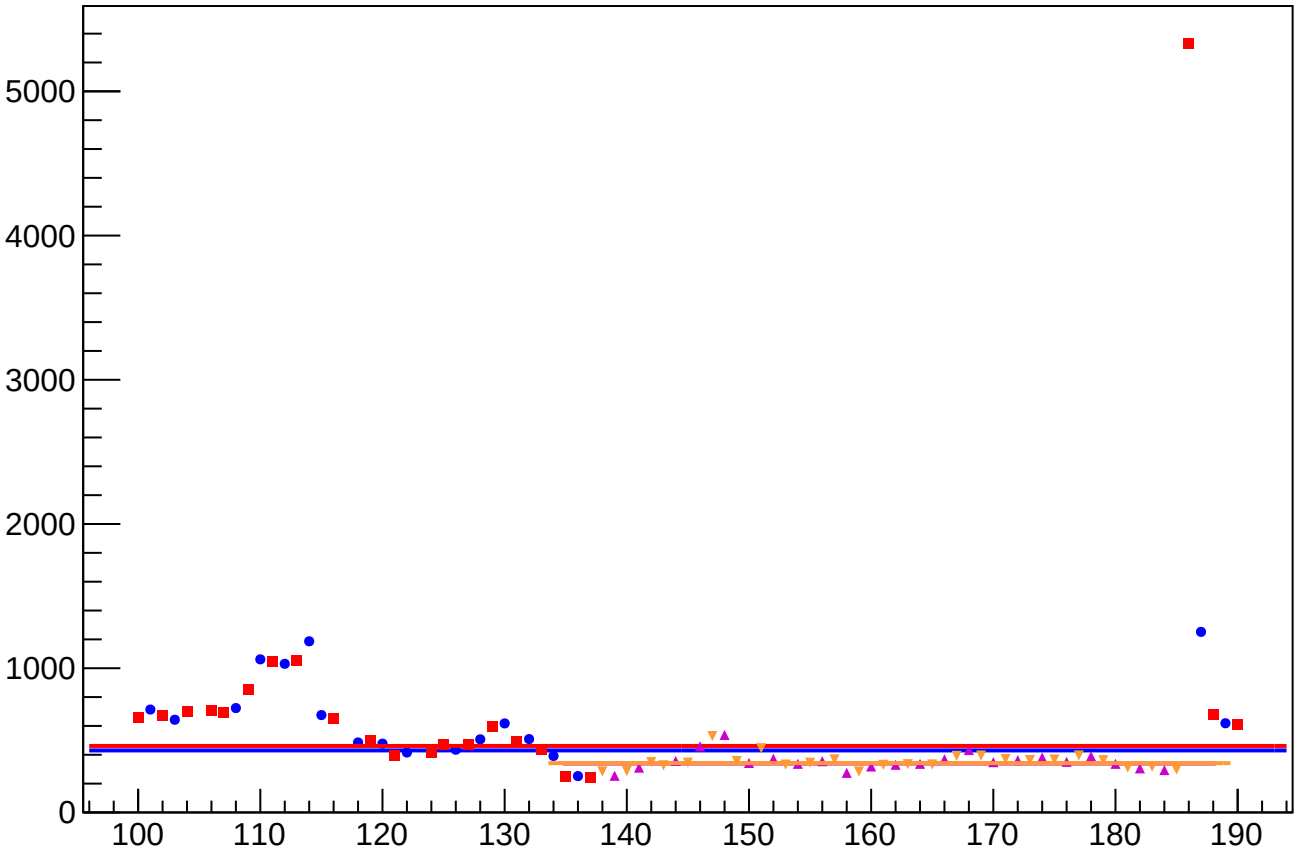
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -191.613+/-118.611 χ^2/NDF: 32.2/39

In: -53.715+/-72.432 χ^2/NDF:47.1/40

Out: -32.664+/-71.234 χ^2/NDF:45.4/46

All: -43.014+/-50.788 χ^2/NDF: 92.6/87



Right In: 430.098+/-0.118 χ^2/NDF: 2510004.5/17

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 461.131+/-0.119 χ^2/NDF: 3223439.5/21

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

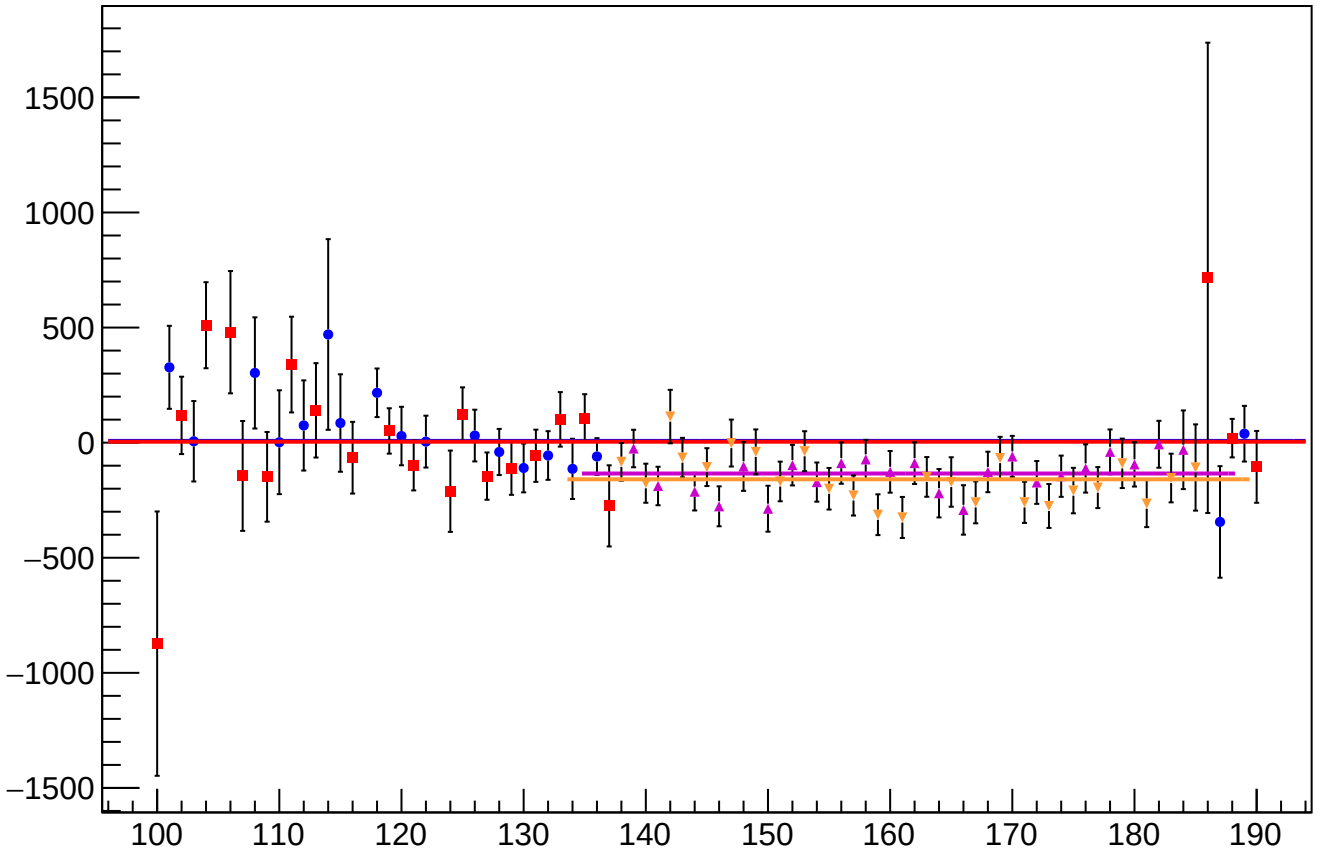
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 445.437+/-0.084 χ^2/NDF: 5767665.0/39

In: 356.529+/-0.051 χ^2/NDF:3836270.6/40

Out: 363.170+/-0.050 χ^2/NDF:4697952.5/46

All: 359.905+/-0.036 χ^2/NDF: 8542771.0/87



Right In: 7.629+/-30.948 χ^2/NDF: 15.7/17

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 4.144+/-29.686 χ^2/NDF: 29.8/21

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

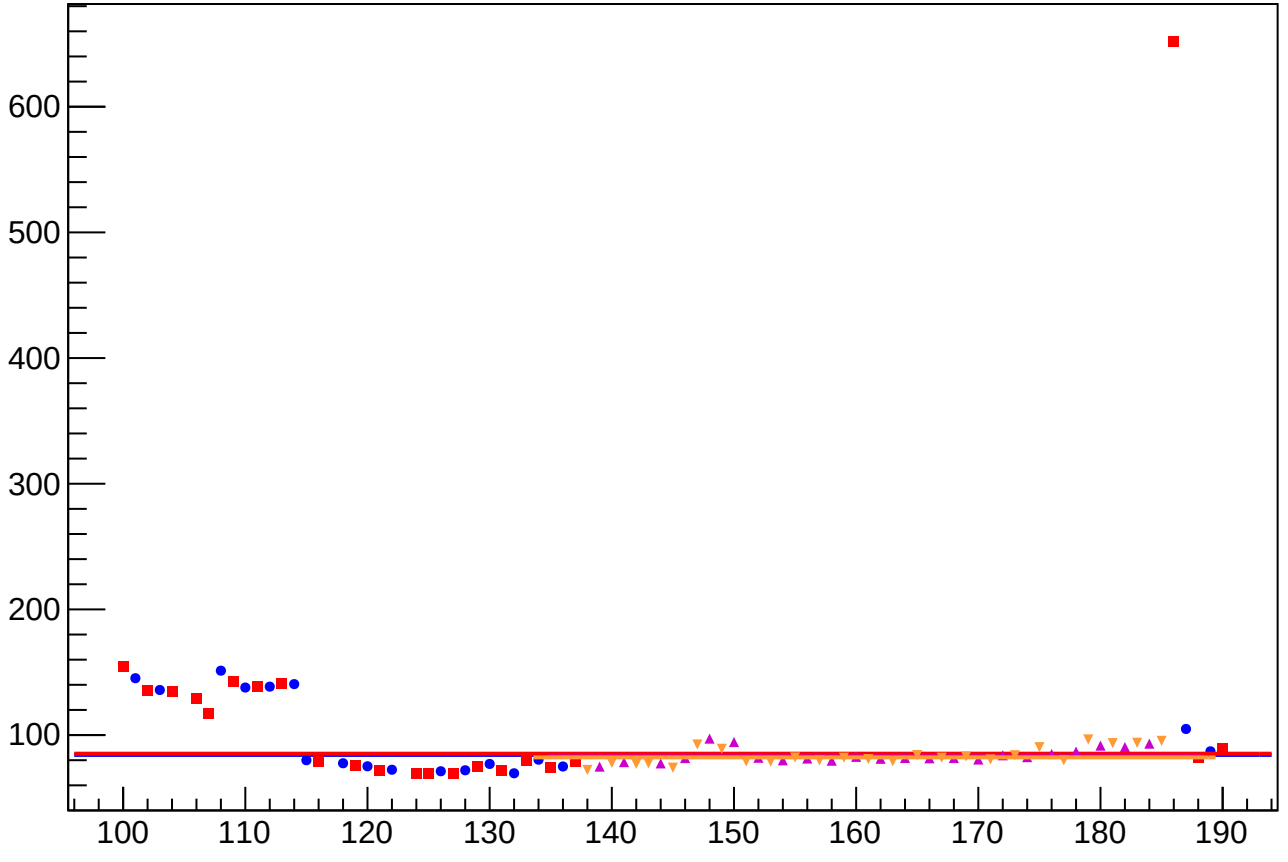
Right: 5.814+/-21.424 χ^2/NDF: 45.5/39

In: -93.934+/-16.462 χ^2/NDF:47.2/40

Out: -112.638+/-15.852 χ^2/NDF:79.6/46

All: -103.639+/-11.419 χ^2/NDF: 127.4/87

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.225+/-0.022 χ^2/NDF: 1051013.8/17

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.186+/-0.021 χ^2/NDF: 1741541.2/21

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

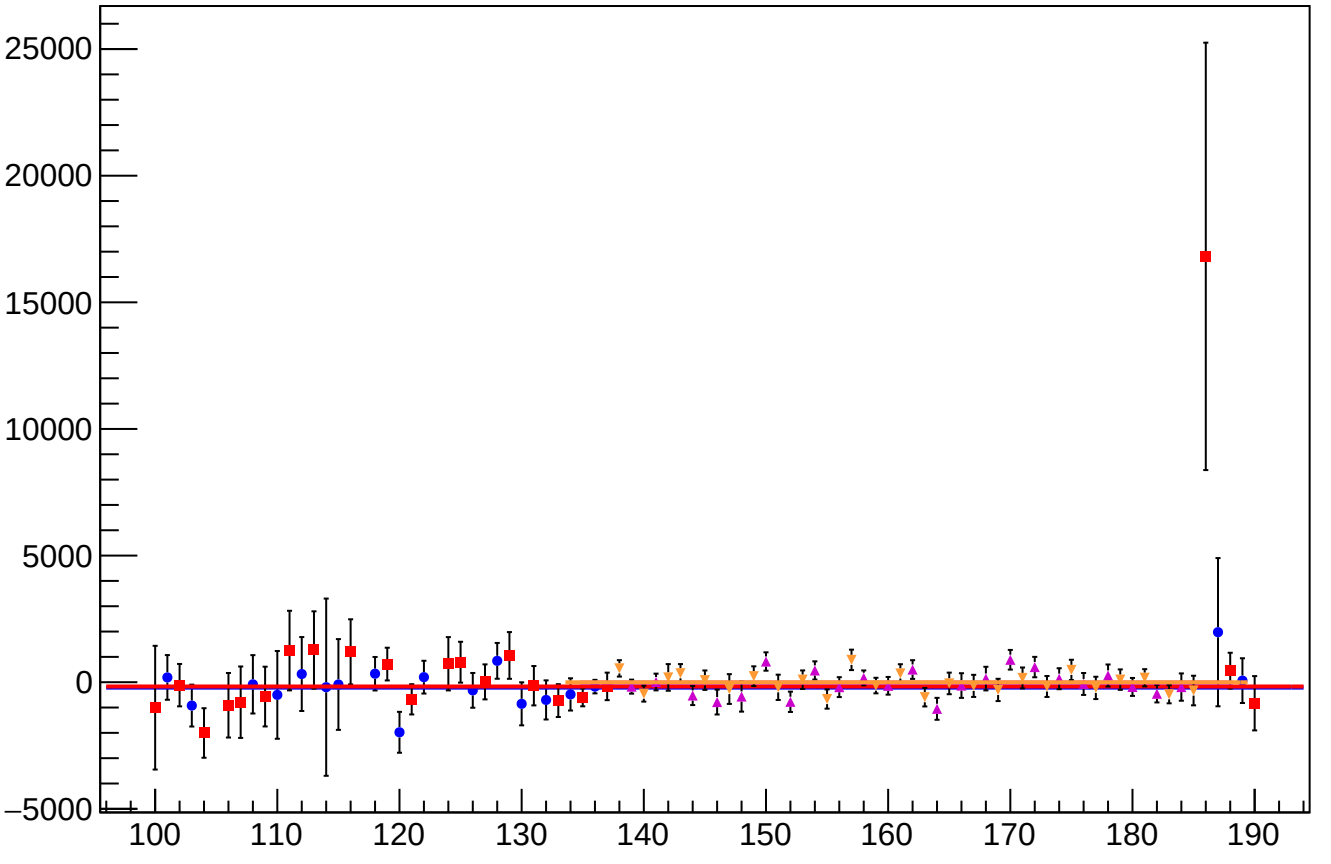
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 84.726+/-0.015 χ^2/NDF: 2793558.6/39

In: 83.342+/-0.012 χ^2/NDF:1198895.1/40

Out: 83.085+/-0.011 χ^2/NDF:1972102.2/46

All: 83.209+/-0.008 χ^2/NDF: 3171249.2/87



Right In: -213.751+/-166.790 χ^2/NDF: 11.1/17

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -168.962+/-168.710 χ^2/NDF: 21.1/21

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

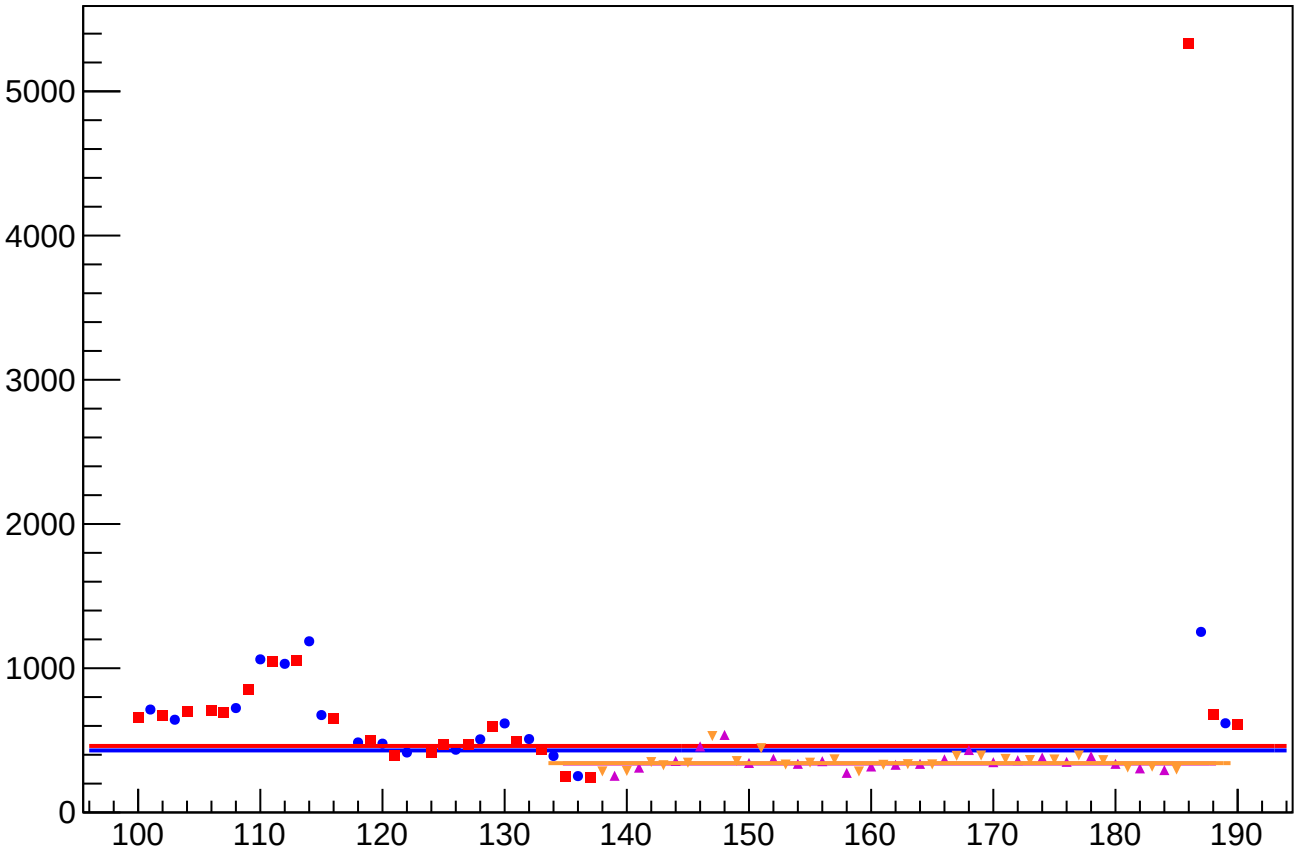
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -191.612+/-118.611 χ^2/NDF: 32.2/39

In: -53.715+/-72.432 χ^2/NDF:47.1/40

Out: -32.664+/-71.234 χ^2/NDF:45.4/46

All: -43.014+/-50.788 χ^2/NDF: 92.6/87



Right In: 430.097+/-0.118 χ^2/NDF: 2510009.5/17

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 461.130+/-0.119 χ^2/NDF: 3223446.4/21

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

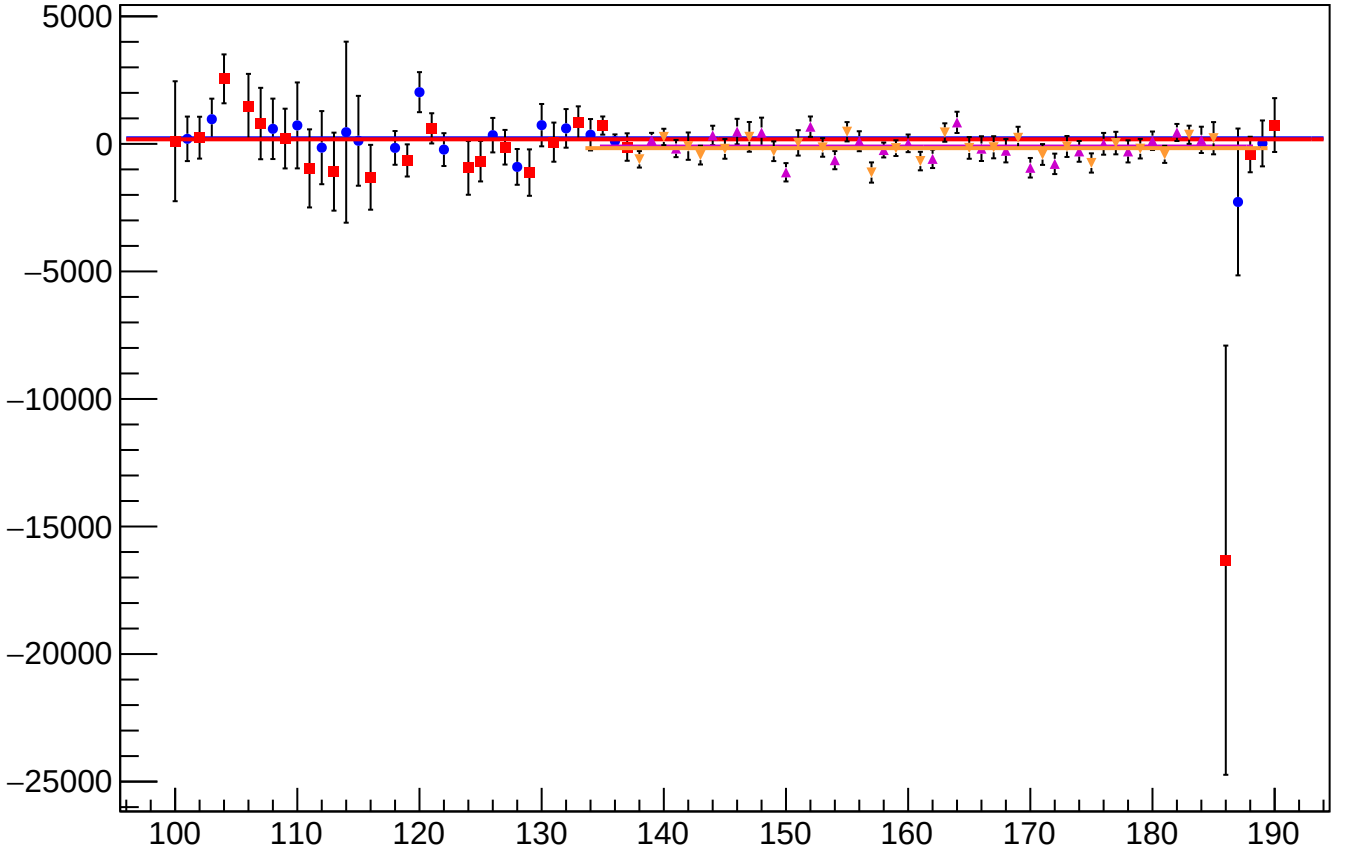
Right: 445.436+/-0.084 χ^2/NDF: 5767676.7/39

In: 356.529+/-0.051 χ^2/NDF:3836273.7/40

Out: 363.170+/-0.050 χ^2/NDF:4697952.7/46

All: 359.905+/-0.036 χ^2/NDF: 8542774.4/87

asym_sam1_mean vs Slug, Sign Corrected



Right In: 219.505+/-165.063 χ^2/NDF: 11.5/17

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 178.667+/-167.285 χ^2/NDF: 25.3/21

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

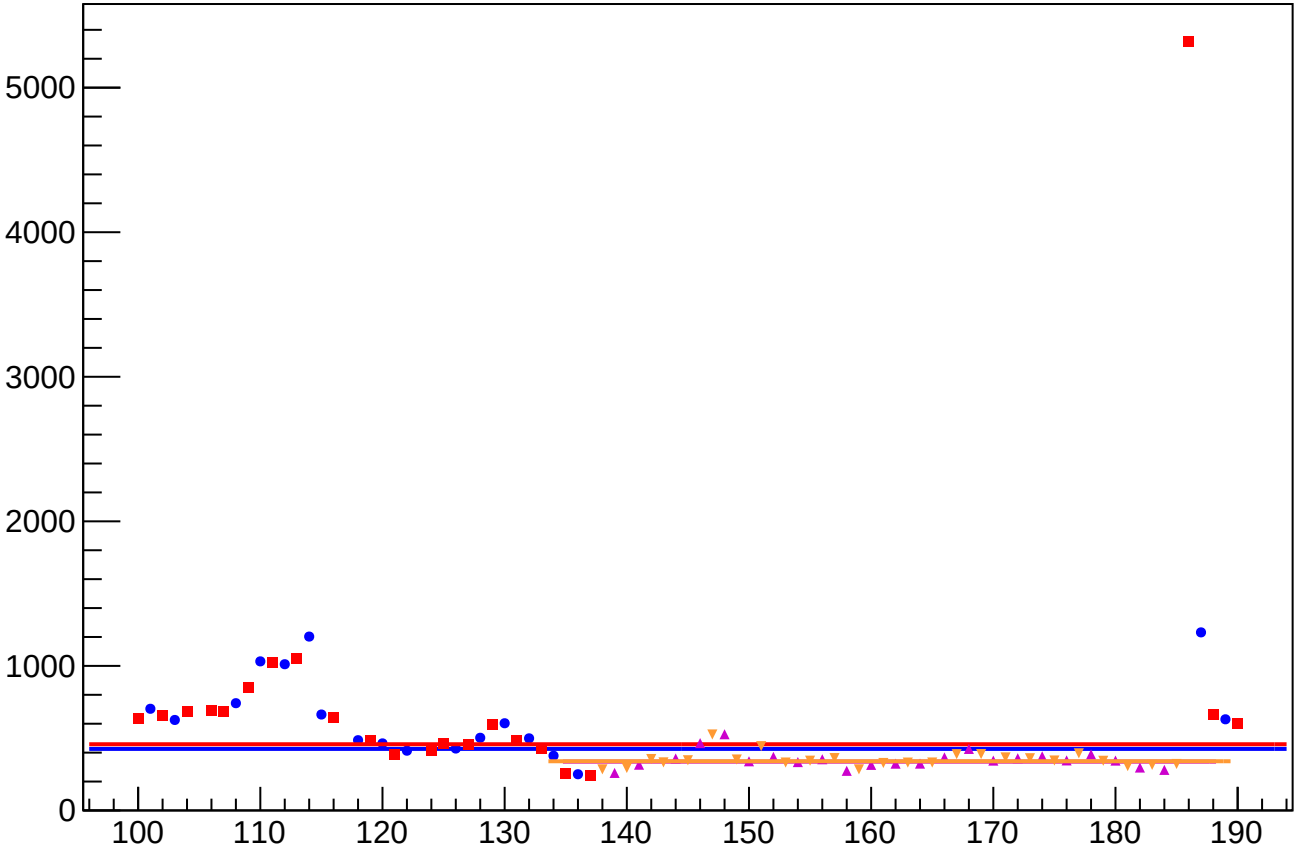
Right: 199.359+/-117.495 χ^2/NDF: 36.8/39

In: -42.482+/-71.987 χ^2/NDF:52.1/40

Out: -105.348+/-70.826 χ^2/NDF:54.3/46

All: -74.426+/-50.487 χ^2/NDF: 106.8/87

asym_sam1_rms vs Slug, Sign Corrected



Right In: 425.751+/-0.117 χ^2/NDF: 2491436.4/17

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 457.988+/-0.118 χ^2/NDF: 3143916.8/21

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

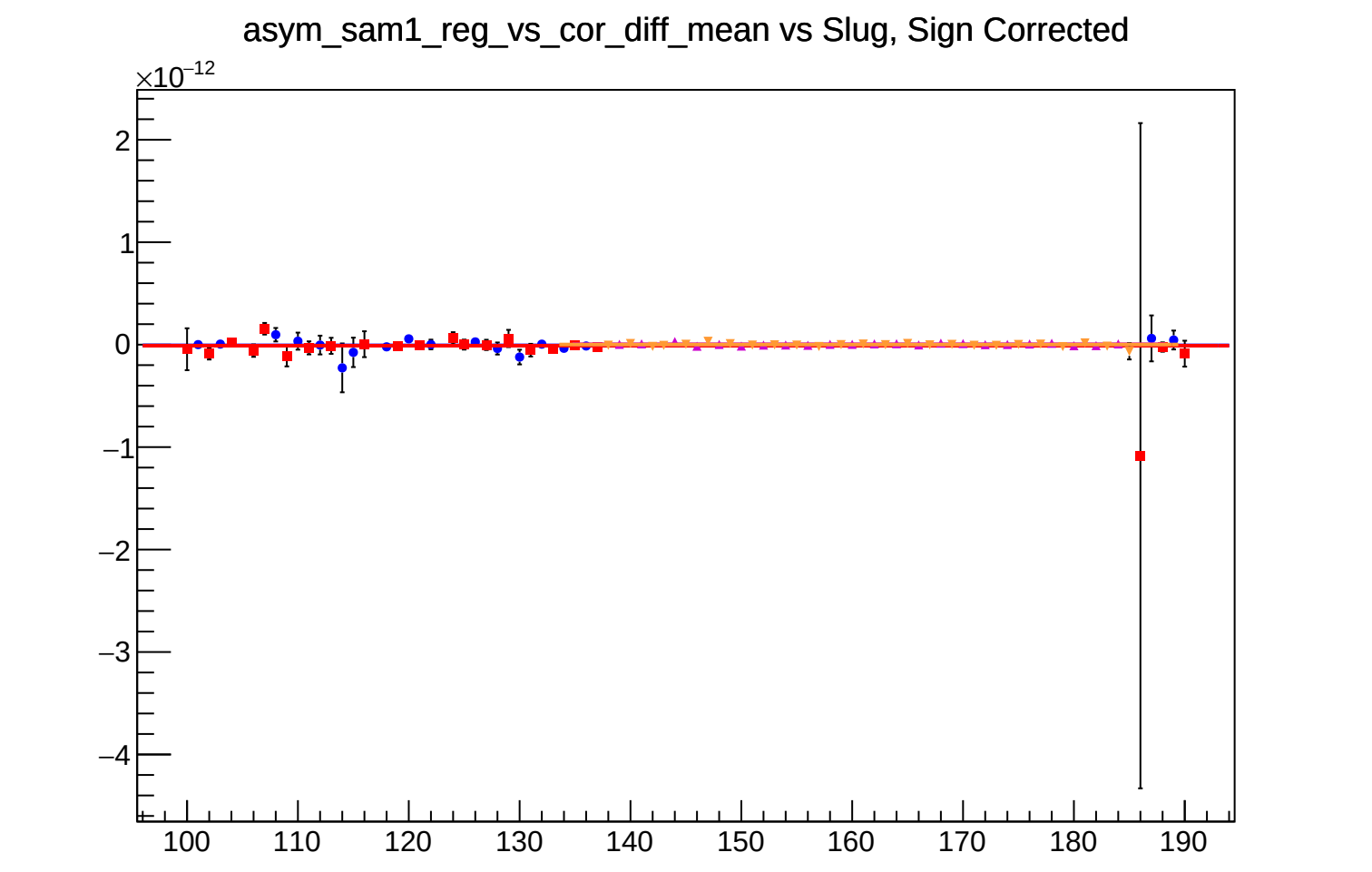
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 441.654+/-0.083 χ^2/NDF: 5672987.9/39

In: 354.495+/-0.051 χ^2/NDF:3772360.1/40

Out: 361.471+/-0.050 χ^2/NDF:4559255.7/46

All: 358.040+/-0.036 χ^2/NDF: 8341160.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.9/21

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

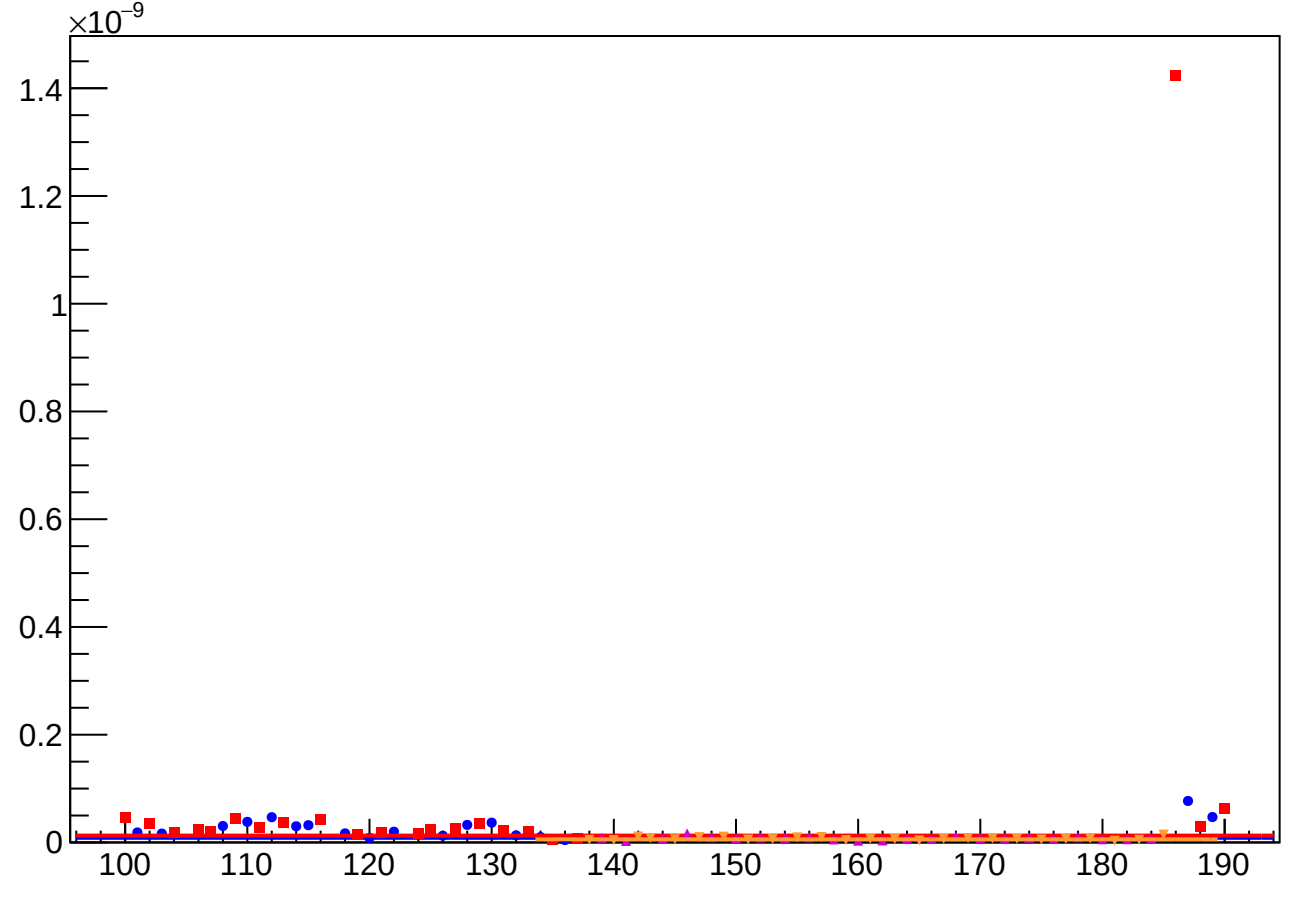
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 32.2/39

In: 0.000+/-0.000 χ^2/NDF:29.9/40

Out: 0.000+/-0.000 χ^2/NDF:35.0/46

All: 0.000+/-0.000 χ^2/NDF: 65.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 3293489.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3735034.3/21

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

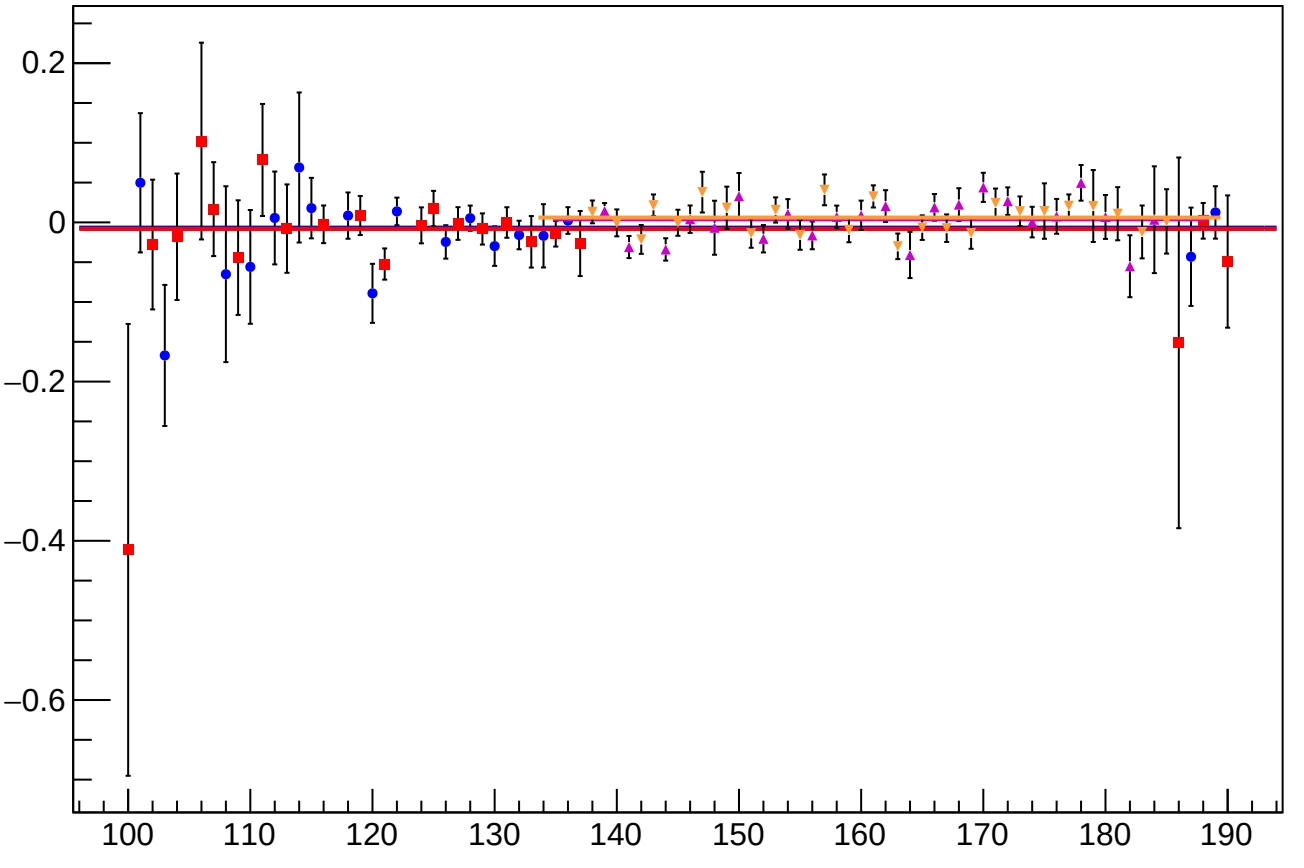
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7349641.3/39

In: 0.000+/-0.000 χ^2/NDF:5529820.8/40

Out: 0.000+/-0.000 χ^2/NDF:6262246.3/46

All: 0.000+/-0.000 χ^2/NDF: 11804229.3/87



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.5/21

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

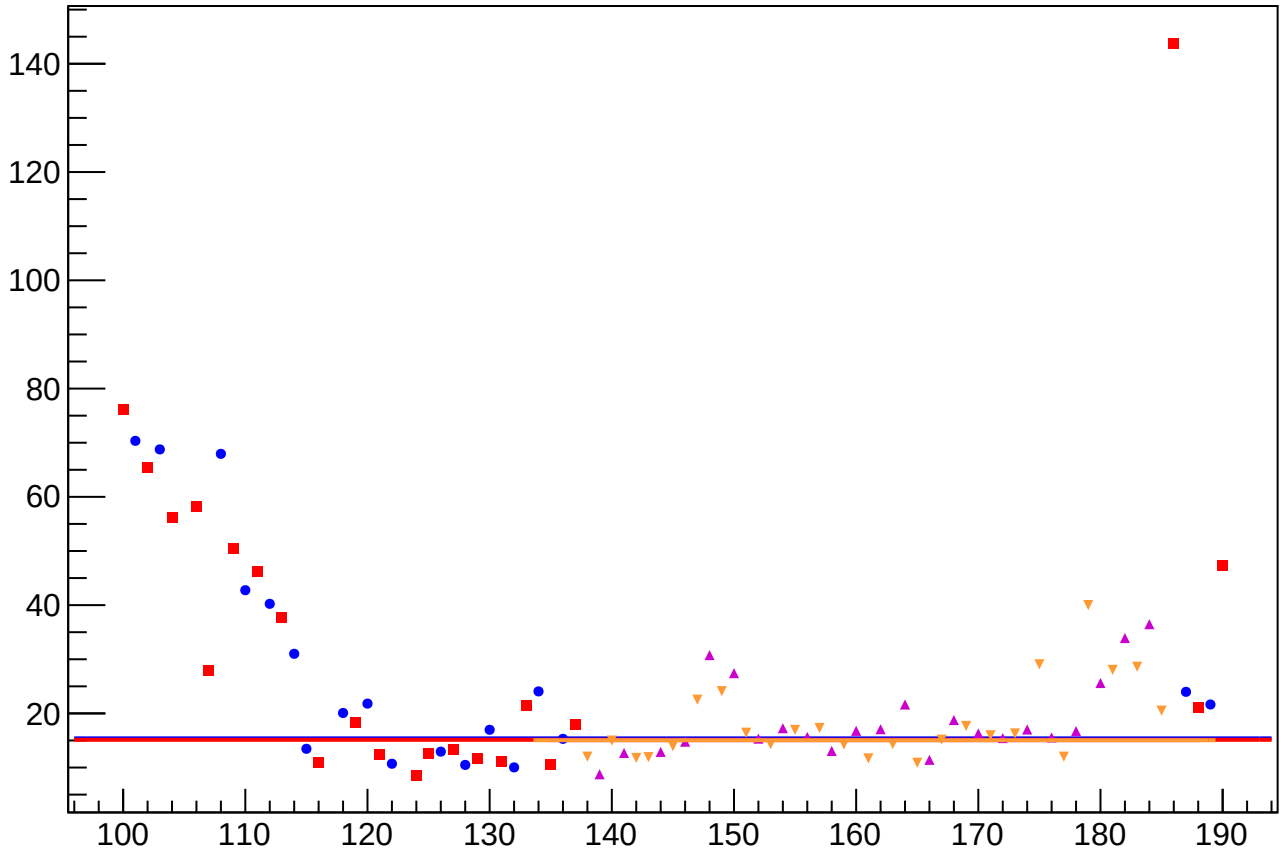
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.004 χ^2/NDF: 29.2/39

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:44.2/46

All: 0.002+/-0.002 χ^2/NDF: 98.8/87



Right In: 15.390+/-0.005 χ^2/NDF: 3555127.4/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 15.127+/-0.004 χ^2/NDF: 4715796.5/21

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

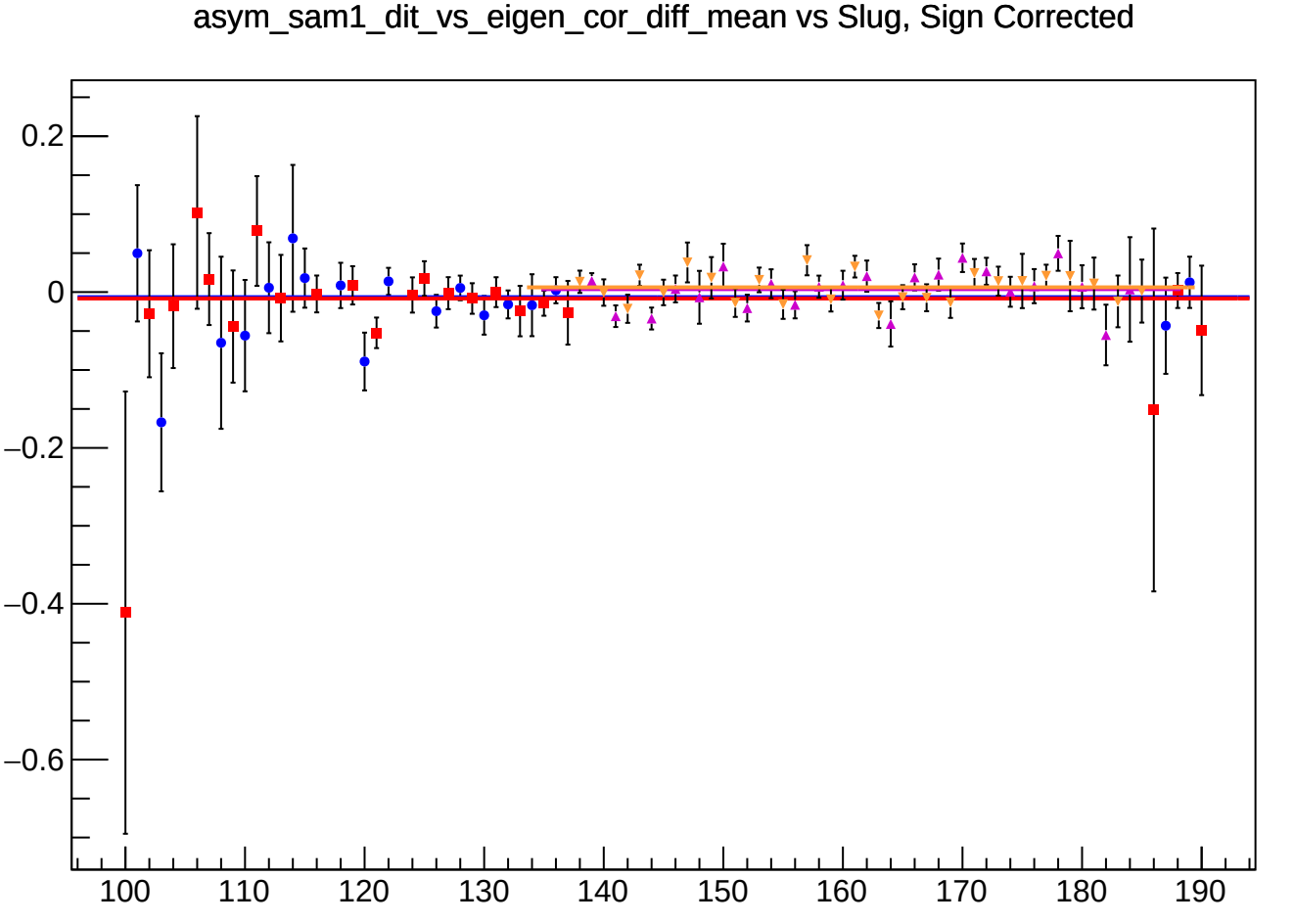
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.249+/-0.003 χ^2/NDF: 8272640.7/39

In: 15.150+/-0.002 χ^2/NDF:6625310.9/40

Out: 15.068+/-0.002 χ^2/NDF:7474125.2/46

All: 15.107+/-0.002 χ^2/NDF: 14100078.2/87



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.5/21

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

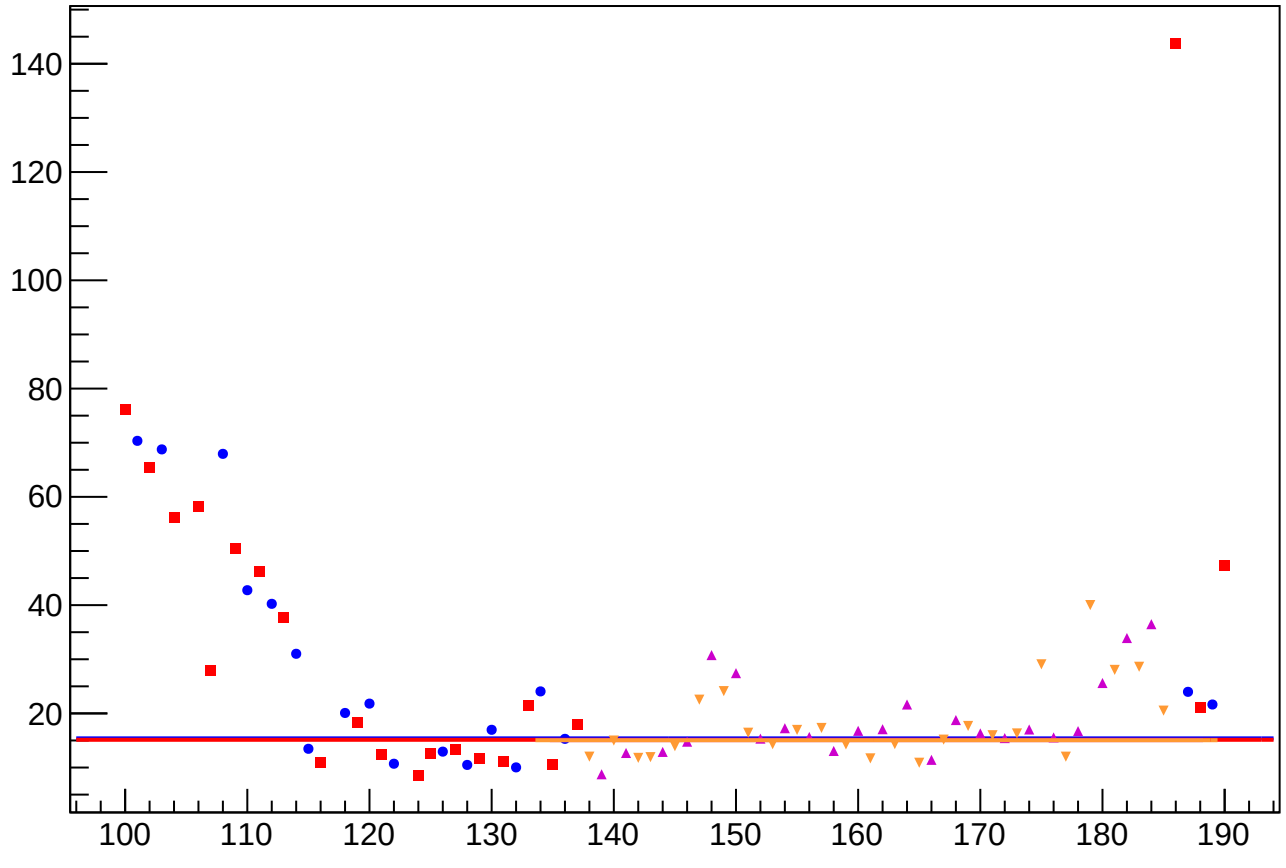
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.004 χ^2/NDF: 29.2/39

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:44.2/46

All: 0.002+/-0.002 χ^2/NDF: 98.8/87



Right In: 15.390+/-0.005 χ^2/NDF: 3555127.4/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 15.127+/-0.004 χ^2/NDF: 4715796.5/21

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

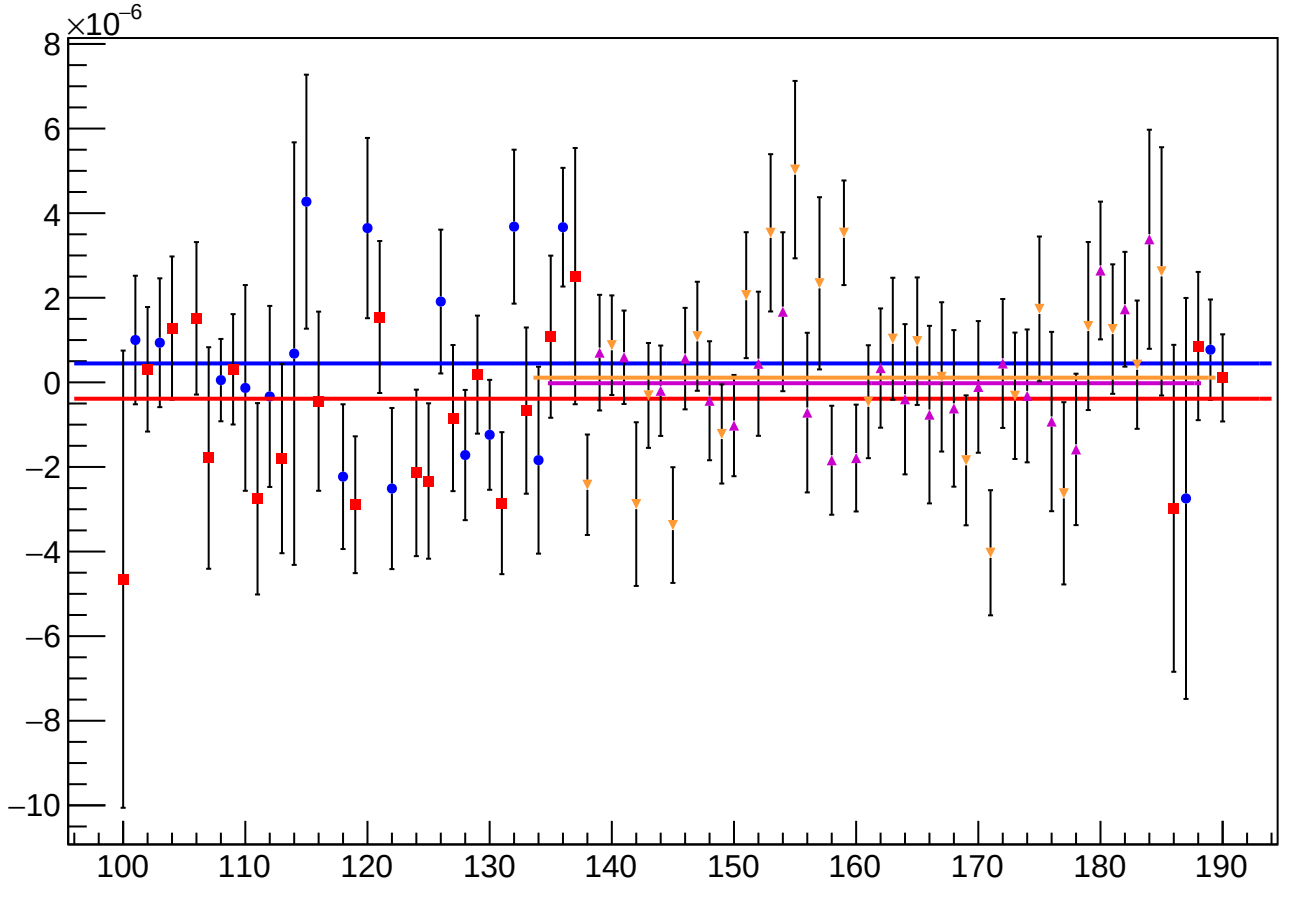
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.249+/-0.003 χ^2/NDF: 8272640.7/39

In: 15.150+/-0.002 χ^2/NDF:6625310.9/40

Out: 15.068+/-0.002 χ^2/NDF:7474125.2/46

All: 15.107+/-0.002 χ^2/NDF: 14100078.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/21

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

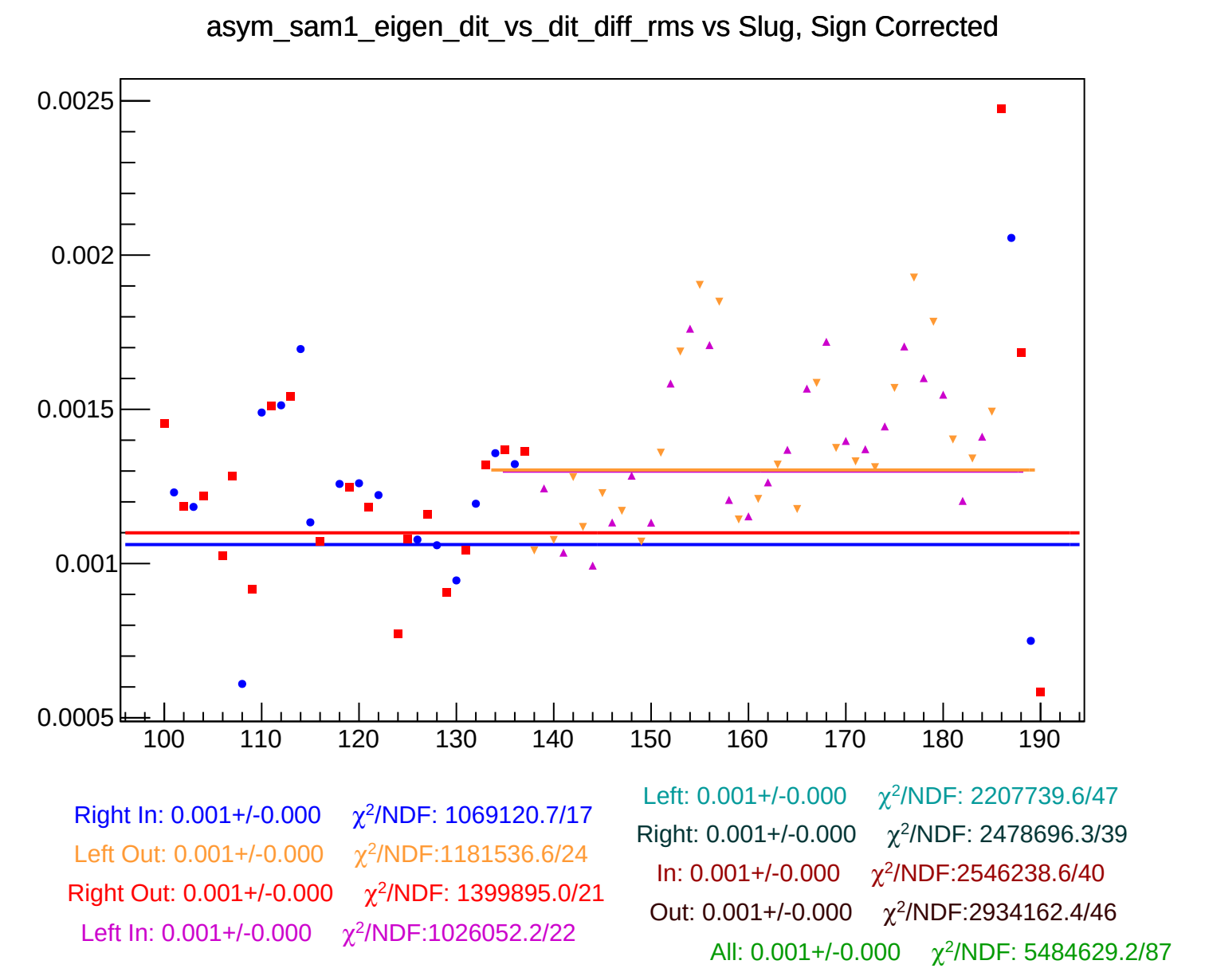
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

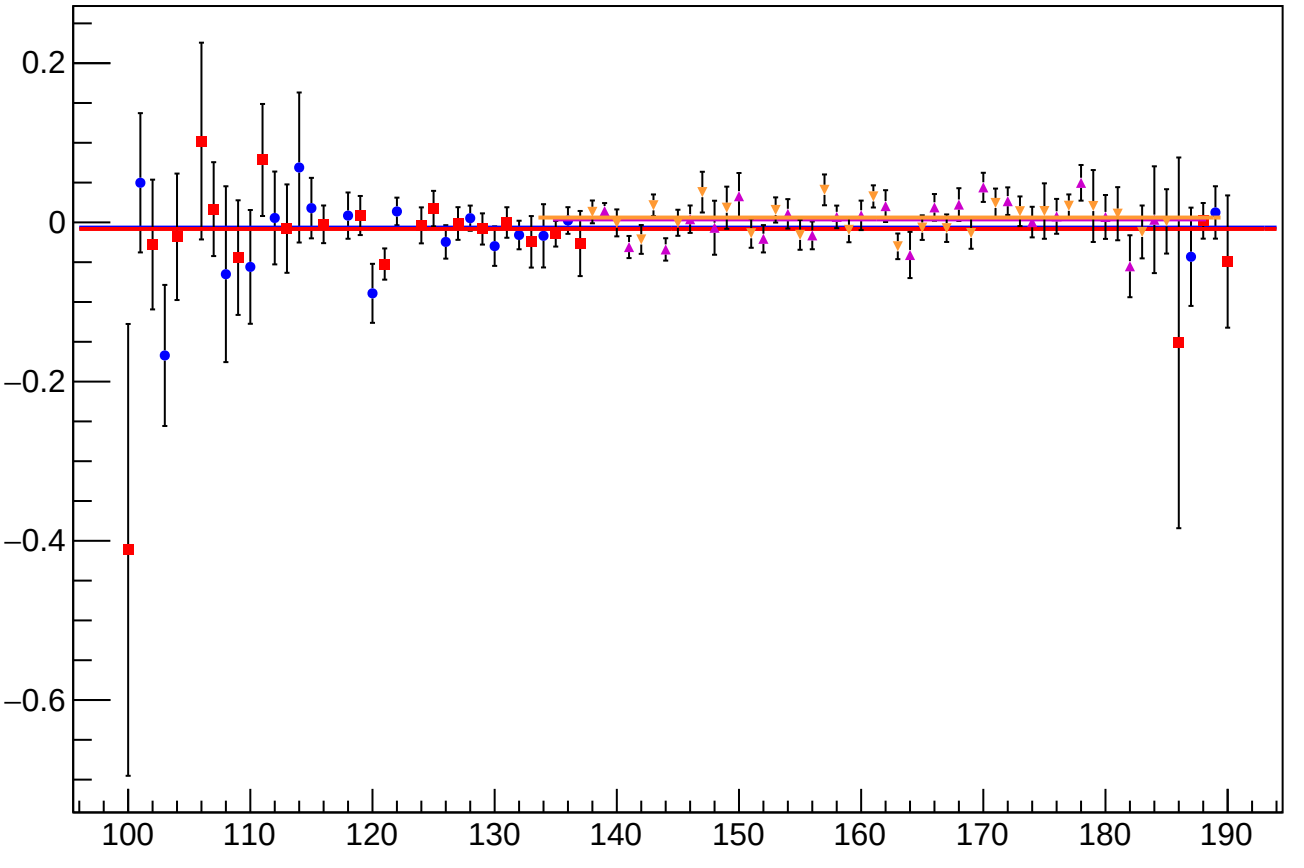
Right: 0.000+/-0.000 χ^2/NDF: 41.7/39

In: 0.000+/-0.000 χ^2/NDF:38.7/40

Out: -0.000+/-0.000 χ^2/NDF:66.6/46

All: 0.000+/-0.000 χ^2/NDF: 105.8/87


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 1069120.7/17
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 1399895.0/21
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: 2478696.3/39
In: 0.001+/-0.000 χ²/NDF:2546238.6/40
Out: 0.001+/-0.000 χ²/NDF:2934162.4/46
All: 0.001+/-0.000 χ²/NDF: 5484629.2/87



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.5/21

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

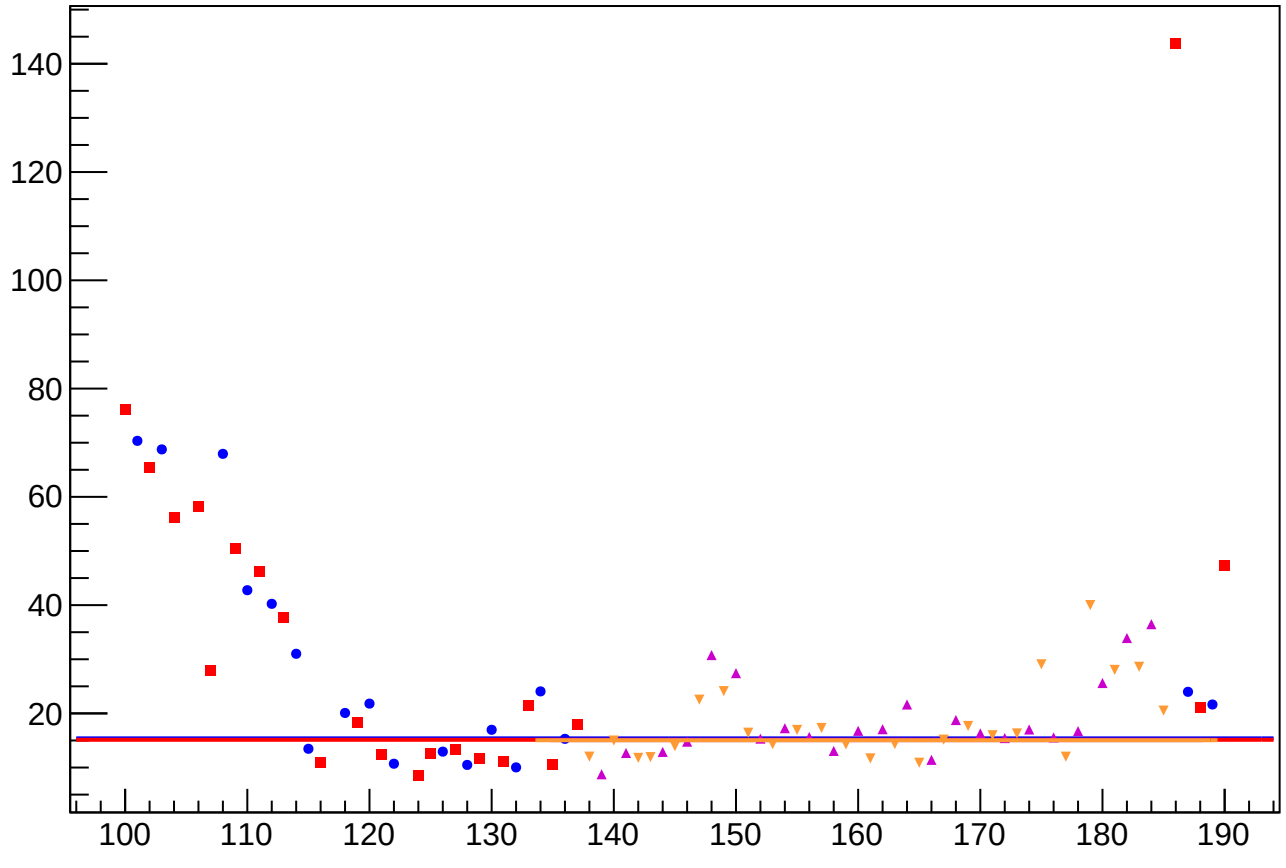
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.004 χ^2/NDF: 29.2/39

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:44.2/46

All: 0.002+/-0.002 χ^2/NDF: 98.8/87



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 15.126+/-0.004 χ^2/NDF: 4715788.8/21

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

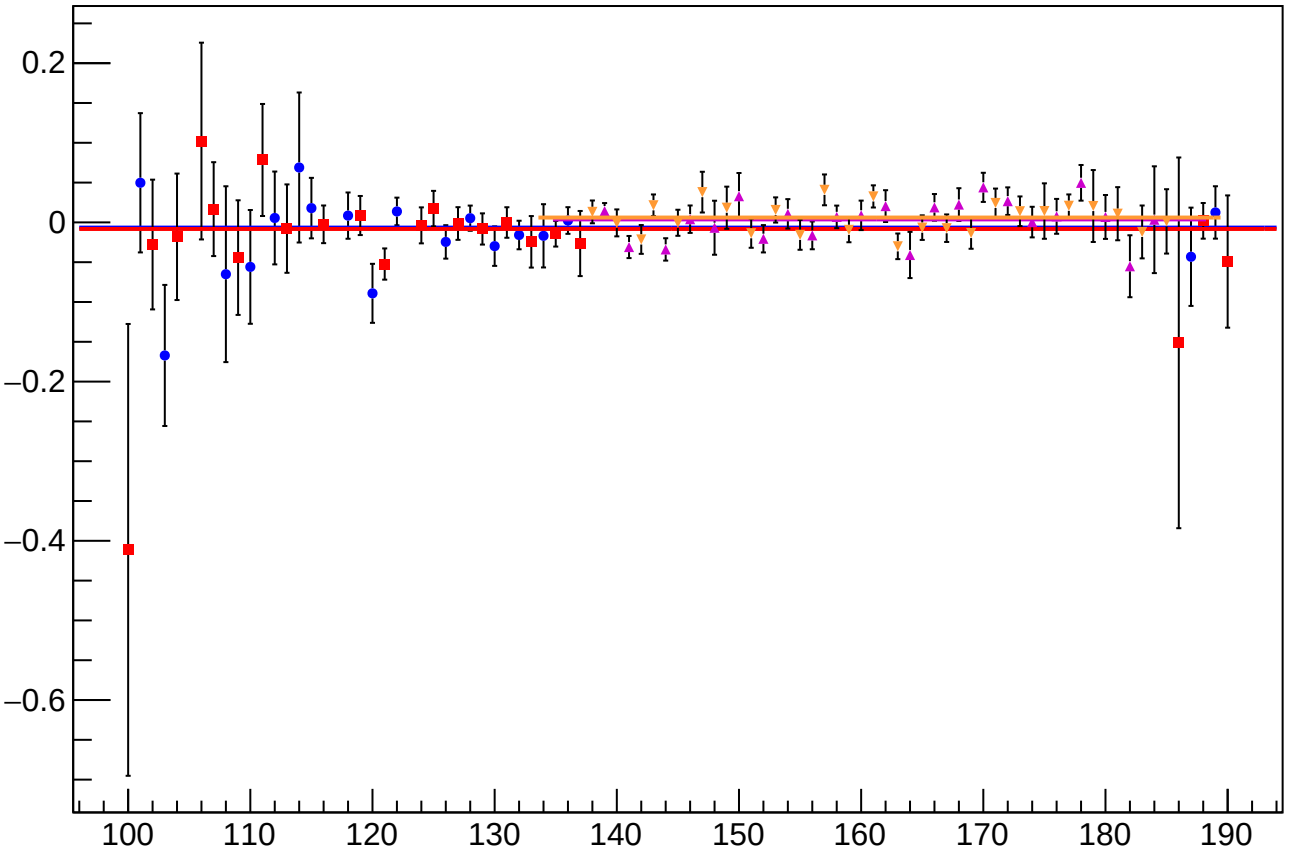
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.249+/-0.003 χ^2/NDF: 8272659.4/39

In: 15.149+/-0.002 χ^2/NDF:6625381.9/40

Out: 15.067+/-0.002 χ^2/NDF:7474328.0/46

All: 15.106+/-0.002 χ^2/NDF: 14100352.5/87



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.5/21

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

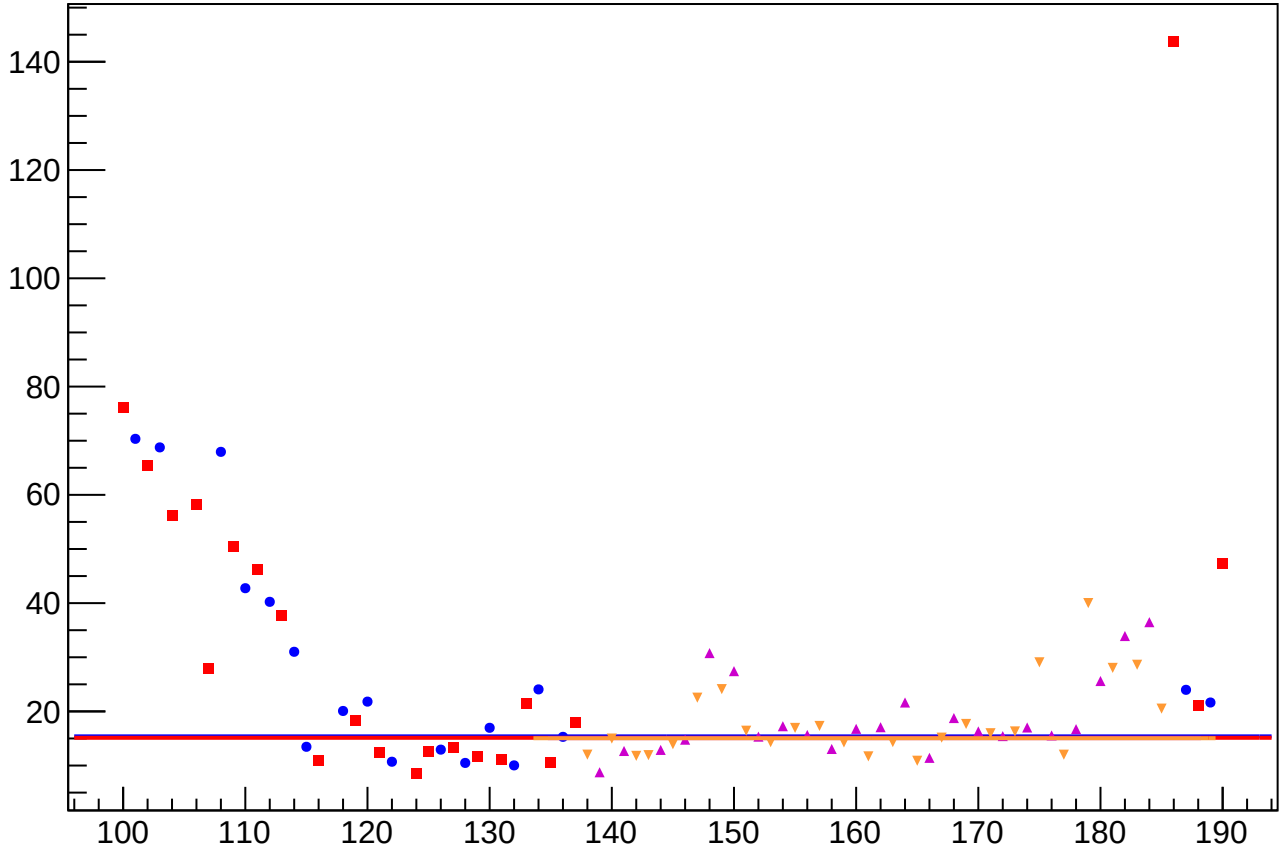
Right: -0.007+/-0.004 χ^2/NDF: 29.2/39

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:44.2/46

All: 0.002+/-0.002 χ^2/NDF: 98.8/87

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 15.126+/-0.004 χ^2/NDF: 4715788.8/21

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

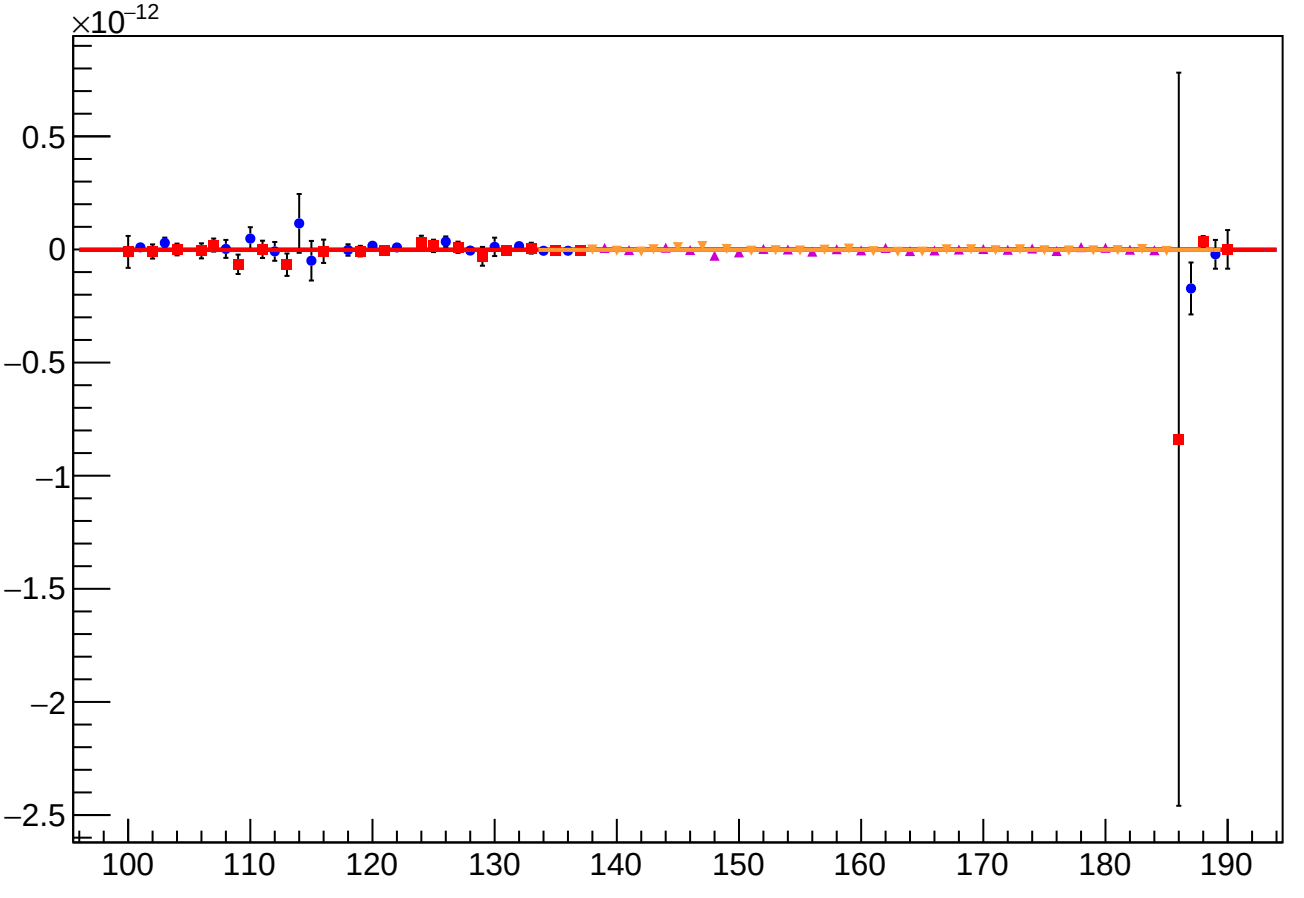
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.249+/-0.003 χ^2/NDF: 8272659.4/39

In: 15.149+/-0.002 χ^2/NDF:6625381.9/40

Out: 15.067+/-0.002 χ^2/NDF:7474328.0/46

All: 15.106+/-0.002 χ^2/NDF: 14100352.5/87



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.2/21

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

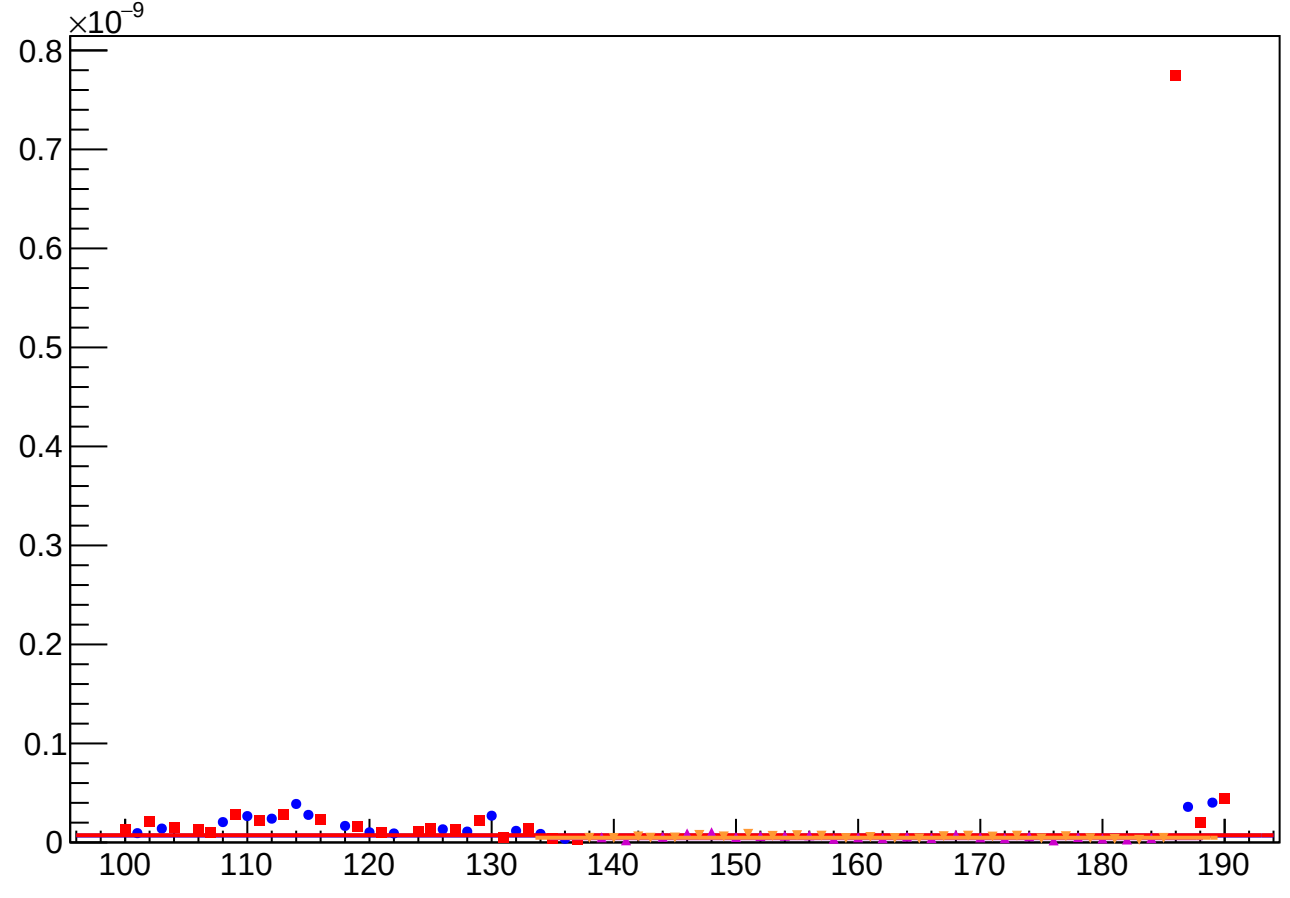
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 21.1/39

In: -0.000+/-0.000 χ^2/NDF:33.0/40

Out: -0.000+/-0.000 χ^2/NDF:24.4/46

All: -0.000+/-0.000 χ^2/NDF: 58.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 4188280.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5586840.4/21

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

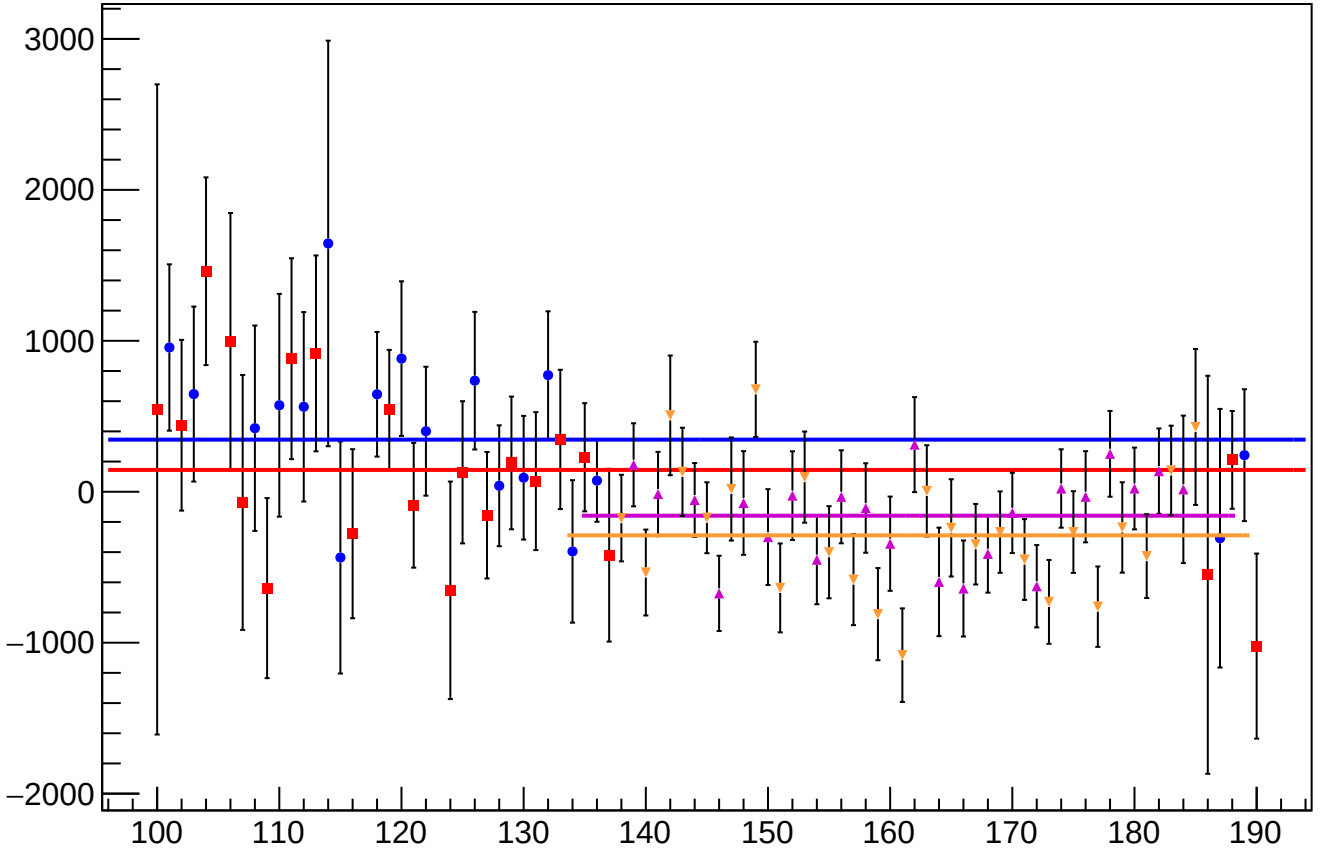
Right: 0.000+/-0.000 χ^2/NDF: 9782148.3/39

In: 0.000+/-0.000 χ^2/NDF:8611388.7/40

Out: 0.000+/-0.000 χ^2/NDF:8431104.1/46

All: 0.000+/-0.000 χ^2/NDF: 17180018.2/87

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 345.338+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 144.664+/-110.433 χ^2/NDF: 19.1/21

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

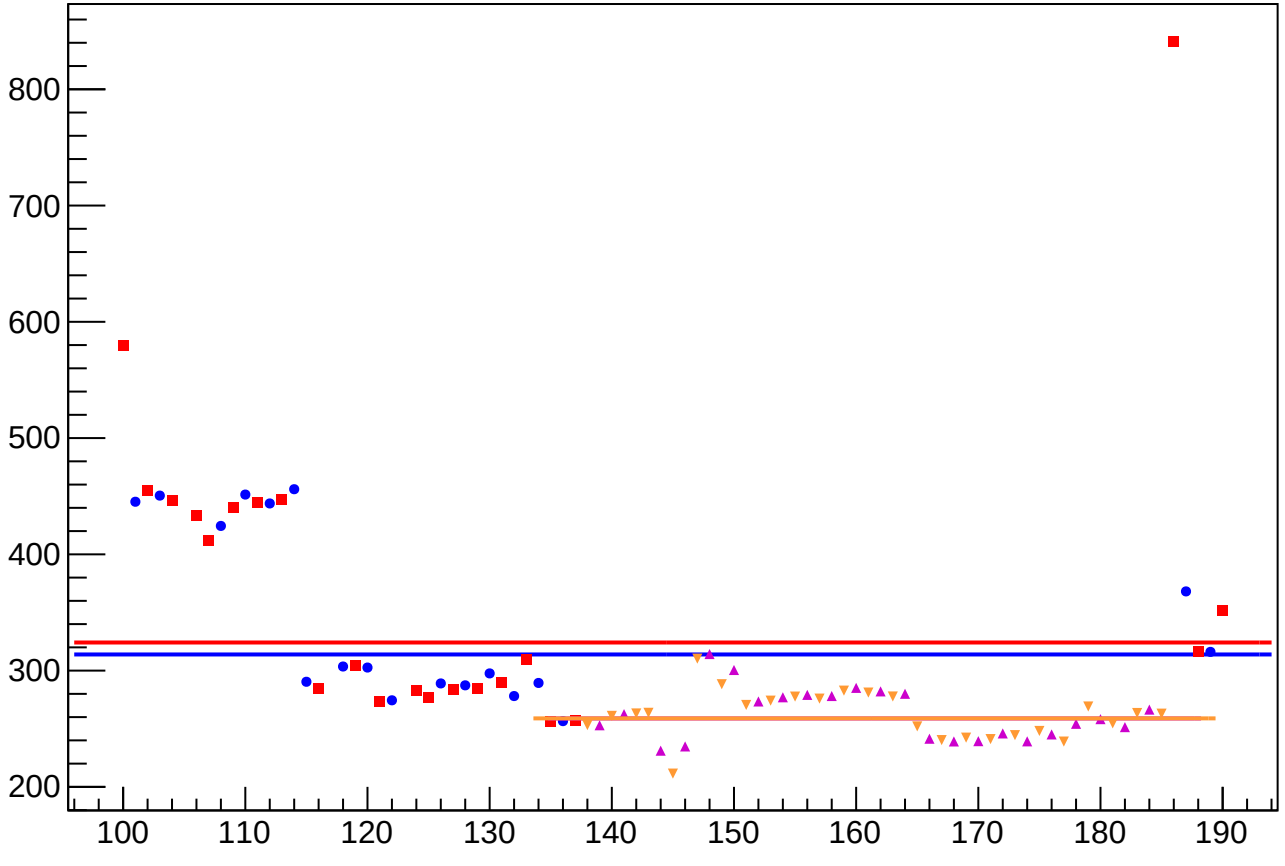
Right: 242.087+/-79.213 χ^2/NDF: 32.8/39

In: -46.789+/-53.551 χ^2/NDF:50.0/40

Out: -192.555+/-52.063 χ^2/NDF:73.5/46

All: -121.726+/-37.329 χ^2/NDF: 127.2/87

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.891+/-0.080 χ^2/NDF: 610482.8/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 324.179+/-0.078 χ^2/NDF: 1012800.2/21

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

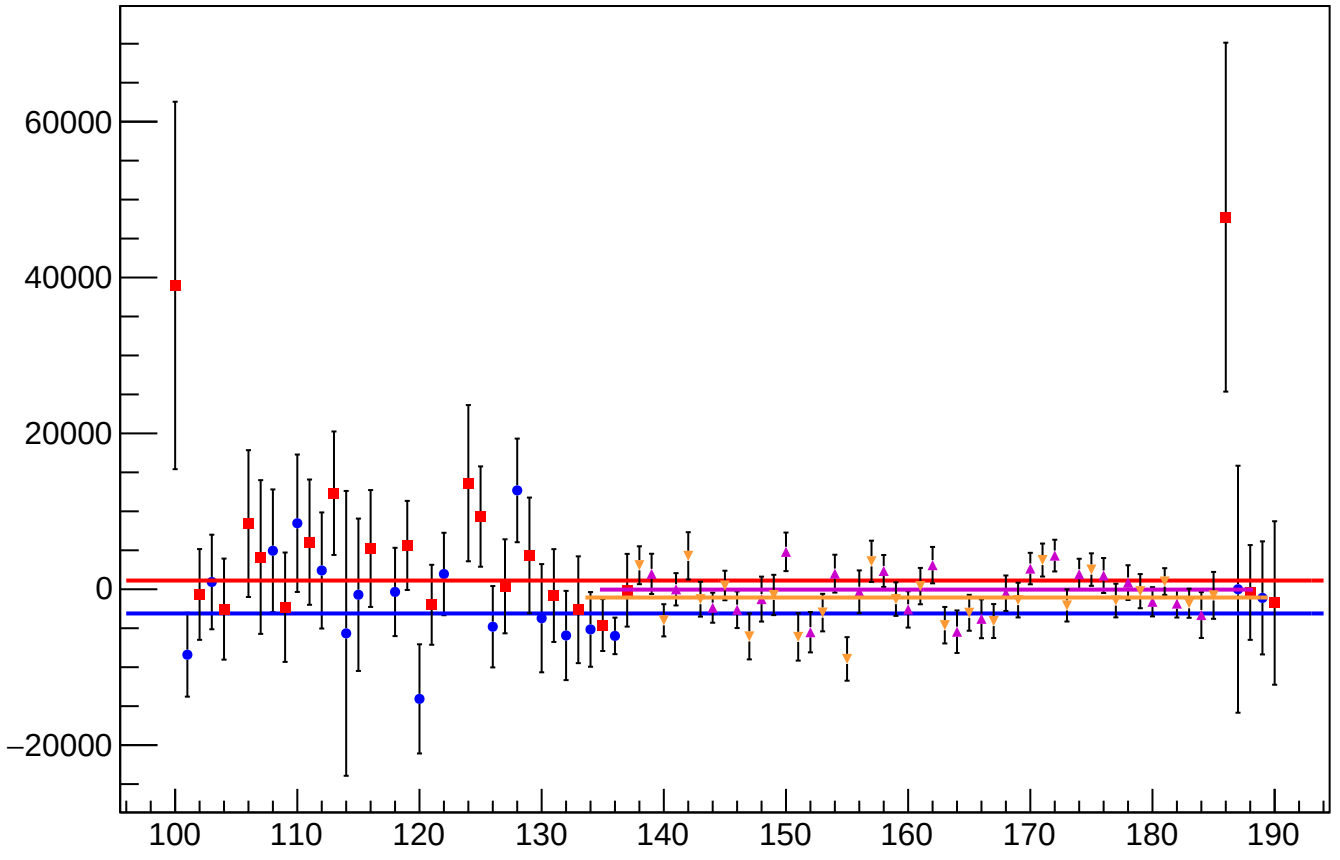
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.184+/-0.056 χ^2/NDF: 1631709.3/39

In: 271.057+/-0.038 χ^2/NDF:1220305.8/40

Out: 273.418+/-0.037 χ^2/NDF:1804858.1/46

All: 272.271+/-0.026 χ^2/NDF: 3027162.9/87



Right In: -3106.392+/-1326.172 χ^2/NDF: 16.2/17

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1119.073+/-1389.224 χ^2/NDF: 18.9/21

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

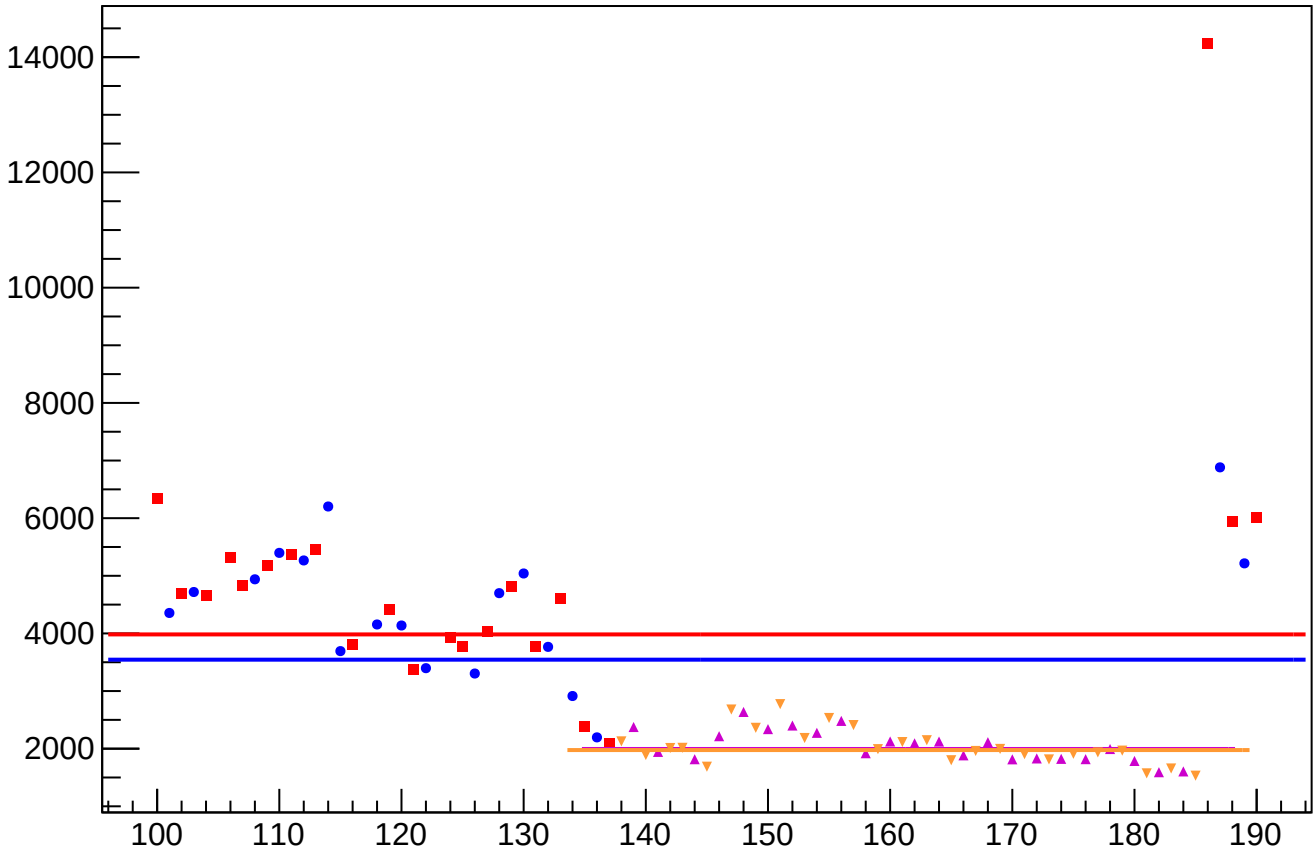
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1091.724+/-959.261 χ^2/NDF: 39.9/39

In: -386.939+/-443.588 χ^2/NDF:55.1/40

Out: -848.490+/-432.101 χ^2/NDF:62.6/46

All: -623.768+/-309.523 χ^2/NDF: 118.3/87



Right In: 3544.489+/-0.938 χ^2/NDF: 1511883.1/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3982.890+/-0.982 χ^2/NDF: 1894060.7/21

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

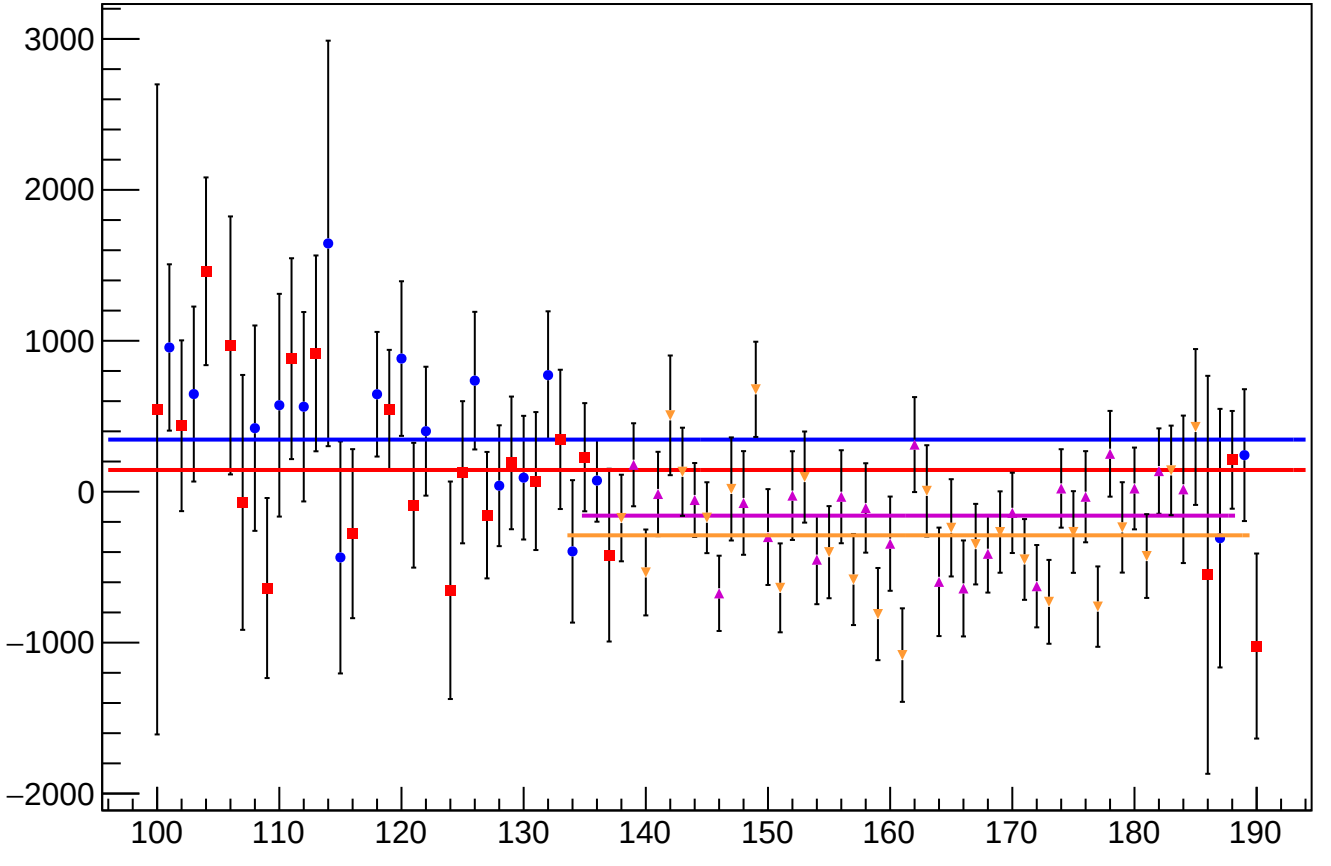
Right: 3753.515+/-0.678 χ^2/NDF: 3510152.2/39

In: 2168.147+/-0.314 χ^2/NDF:4537441.3/40

Out: 2170.126+/-0.306 χ^2/NDF:6427527.6/46

All: 2169.162+/-0.219 χ^2/NDF: 10964989.3/8

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 345.323+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 143.970+/-110.441 χ^2/NDF: 19.0/21

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

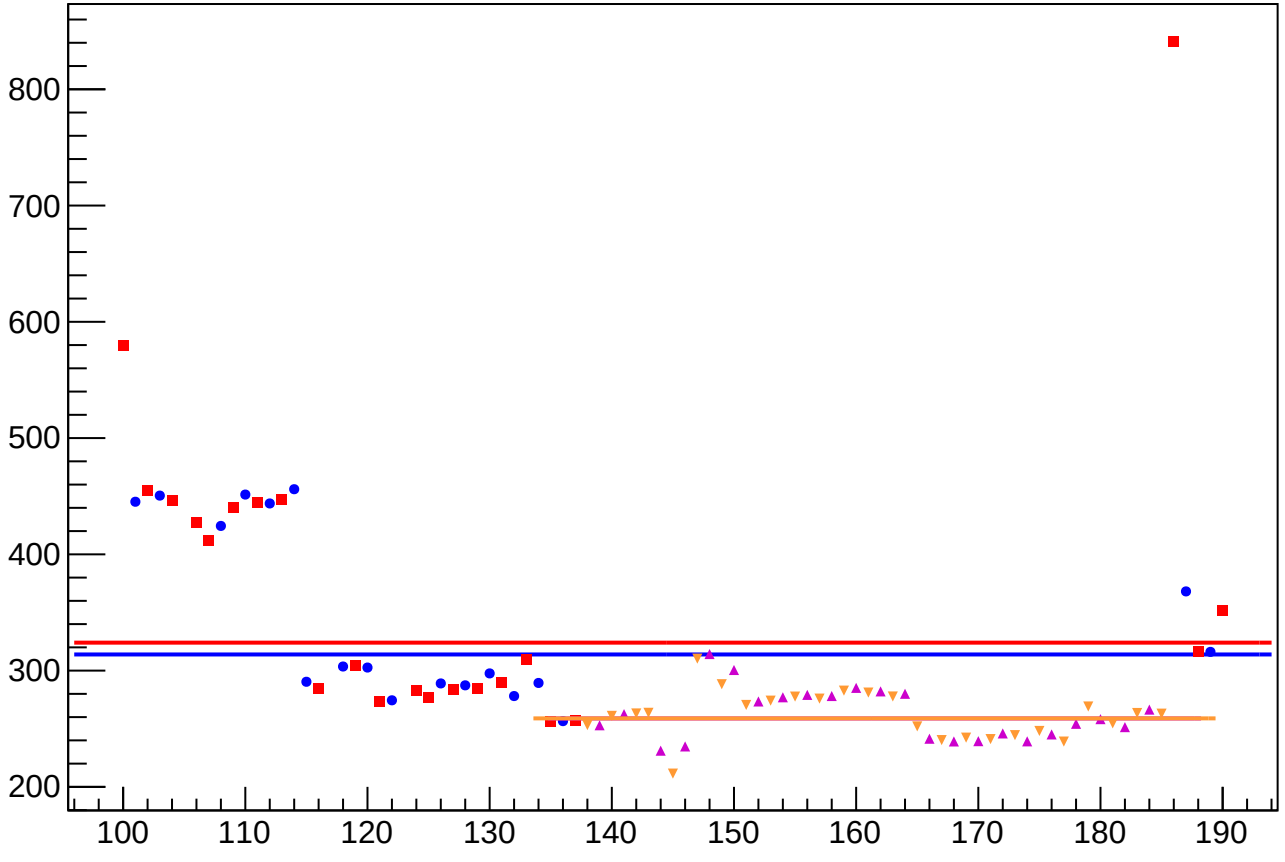
Right: 241.731+/-79.217 χ^2/NDF: 32.8/39

In: -46.802+/-53.551 χ^2/NDF:50.0/40

Out: -192.725+/-52.064 χ^2/NDF:73.4/46

All: -121.818+/-37.329 χ^2/NDF: 127.1/87

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.891+/-0.080 χ^2/NDF: 610484.2/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 324.054+/-0.078 χ^2/NDF: 1008814.1/21

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

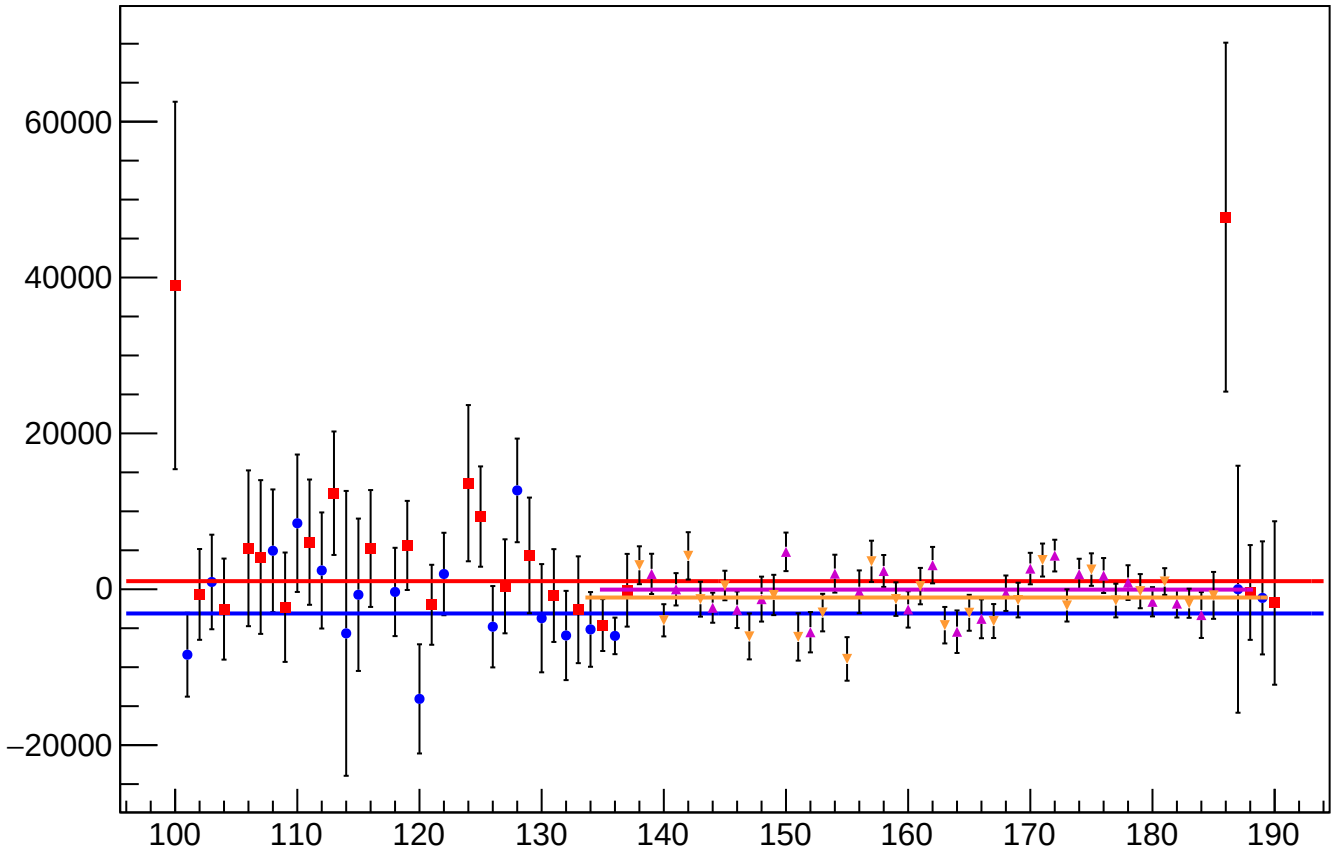
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.120+/-0.056 χ^2/NDF: 1627521.5/39

In: 271.057+/-0.038 χ^2/NDF:1220307.4/40

Out: 273.389+/-0.037 χ^2/NDF:1798737.2/46

All: 272.256+/-0.026 χ^2/NDF: 3020994.0/87



Right In: -3106.325+/-1326.174 χ^2/NDF: 16.2/17

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1040.472+/-1390.953 χ^2/NDF: 18.4/21

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

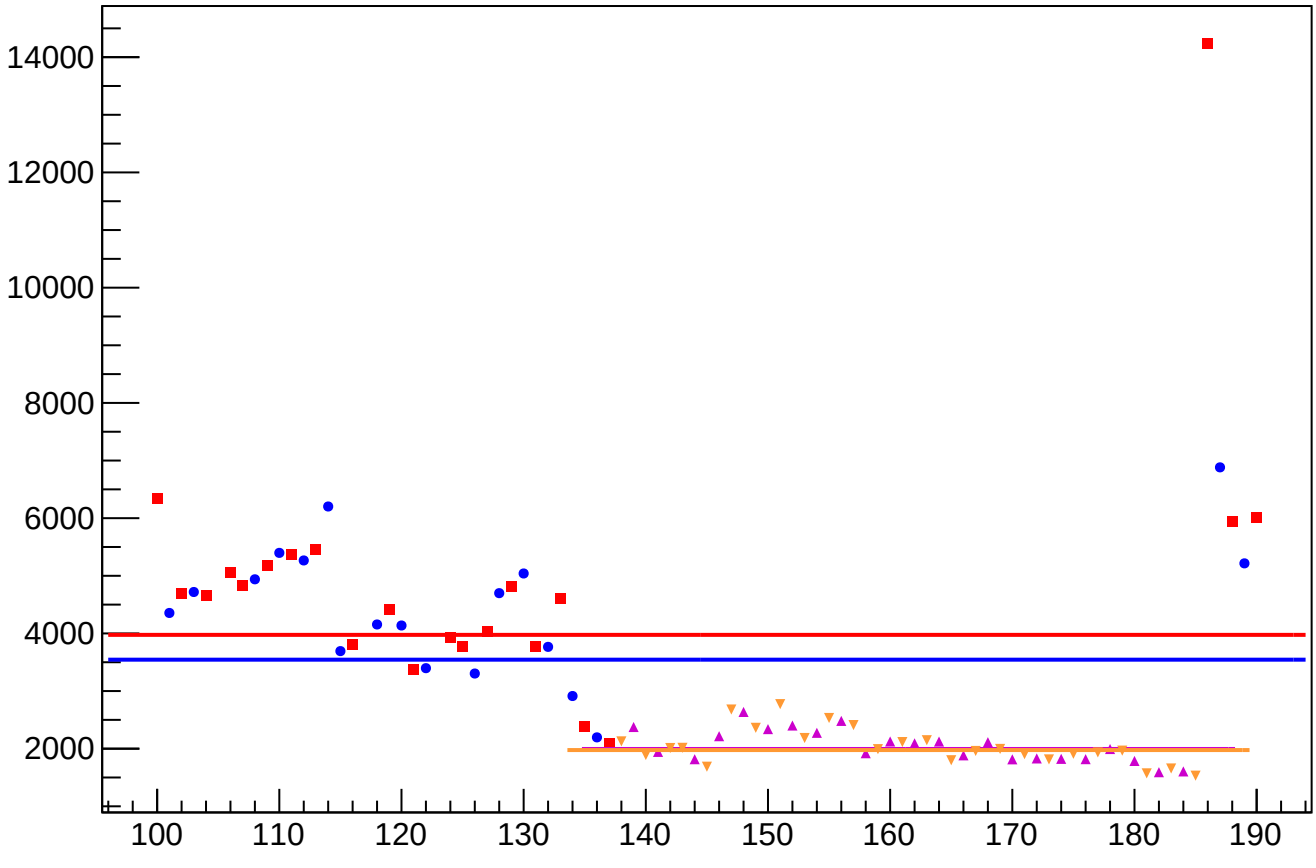
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1131.733+/-959.831 χ^2/NDF: 39.3/39

In: -386.927+/-443.588 χ^2/NDF:55.1/40

Out: -856.554+/-432.153 χ^2/NDF:62.0/46

All: -627.872+/-309.542 χ^2/NDF: 117.7/87



Right In: 3544.493+/-0.938 χ^2/NDF: 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3975.003+/-0.984 χ^2/NDF: 1877881.5/21

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

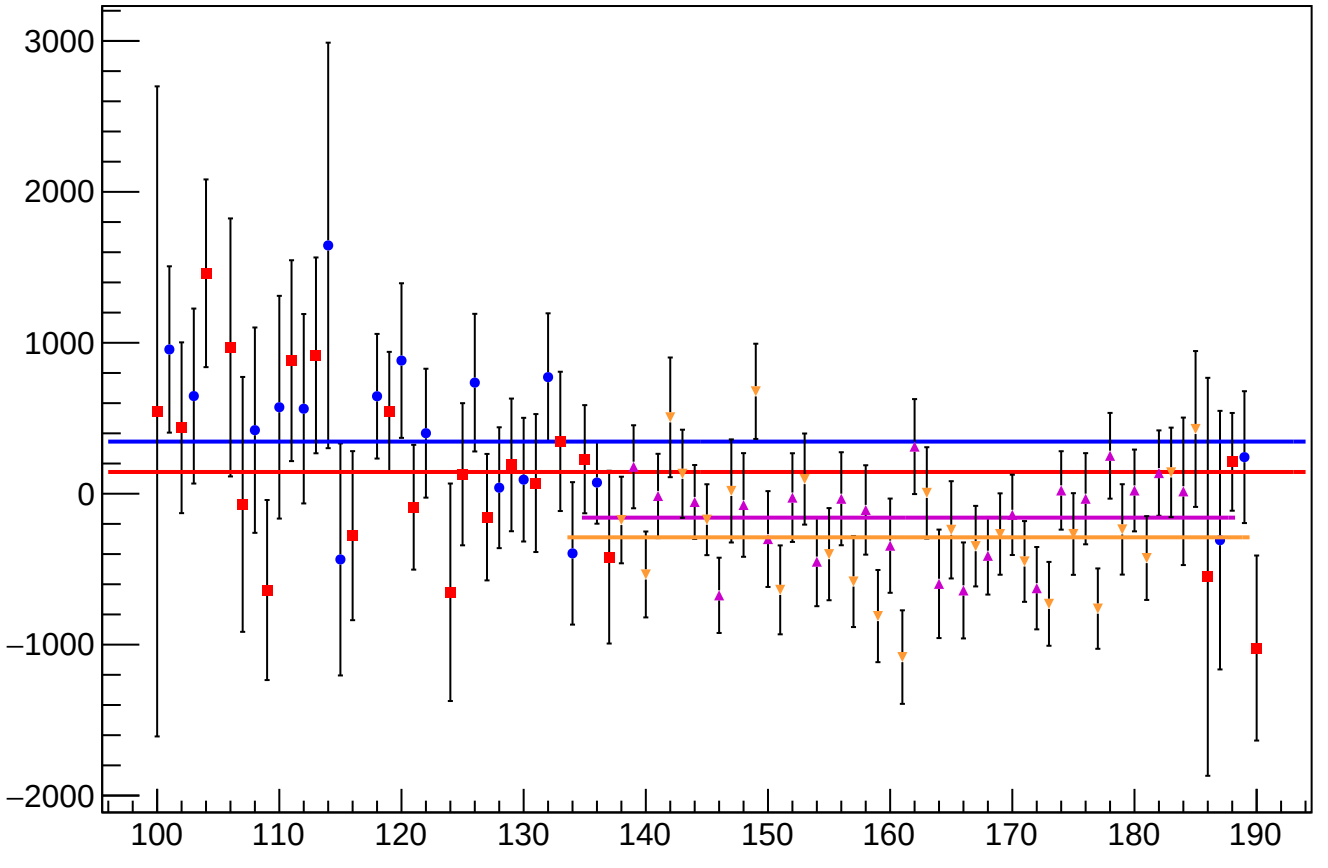
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3749.490+/-0.679 χ^2/NDF: 3490139.5/39

In: 2168.147+/-0.314 χ^2/NDF:4537462.3/40

Out: 2168.929+/-0.306 χ^2/NDF:6373377.3/46

All: 2168.548+/-0.219 χ^2/NDF: 10910842.8/8



Right In: 345.323+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 143.970+/-110.441 χ^2/NDF: 19.0/21

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

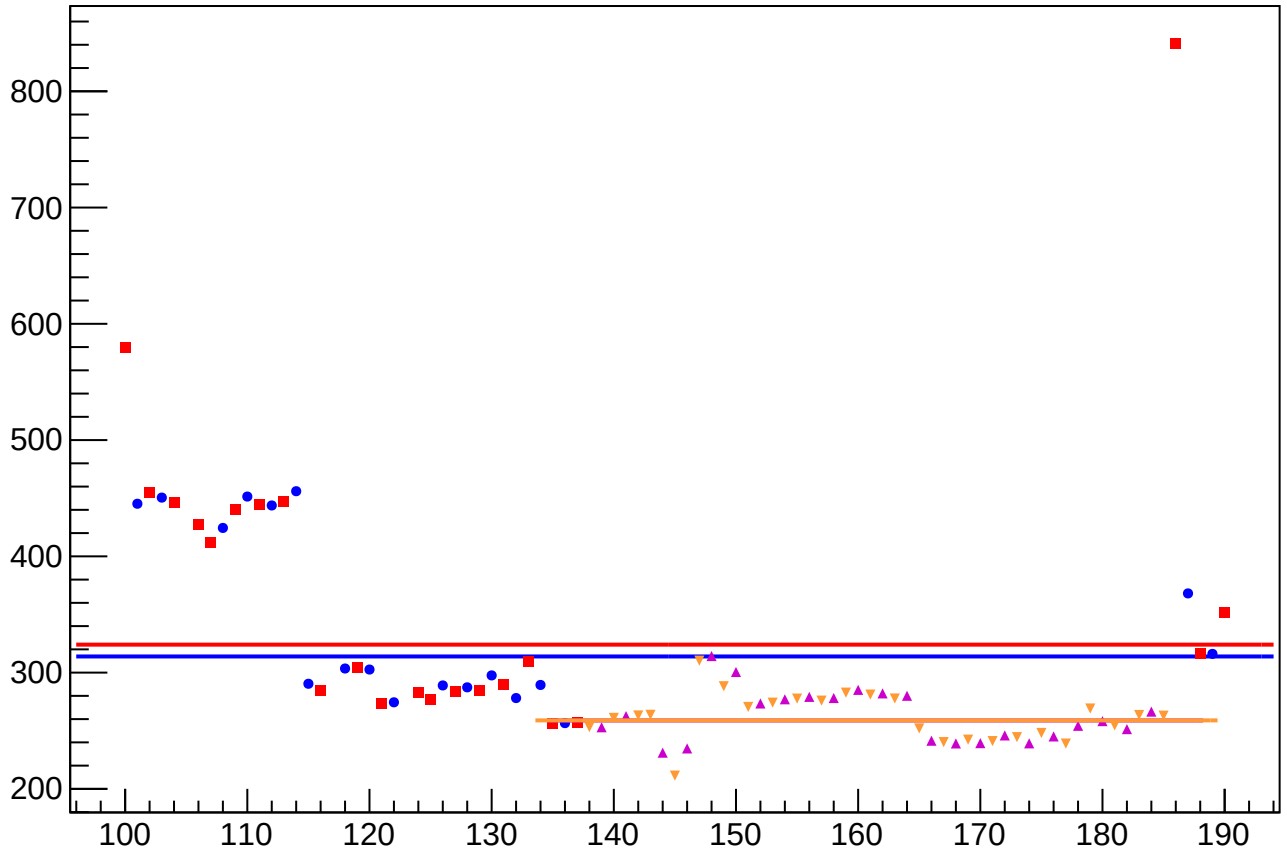
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 241.731+/-79.217 χ^2/NDF: 32.8/39

In: -46.802+/-53.551 χ^2/NDF:50.0/40

Out: -192.725+/-52.064 χ^2/NDF:73.4/46

All: -121.818+/-37.329 χ^2/NDF: 127.1/87



Right In: 313.891+/-0.080 χ^2/NDF: 610484.2/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 324.054+/-0.078 χ^2/NDF: 1008814.1/21

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

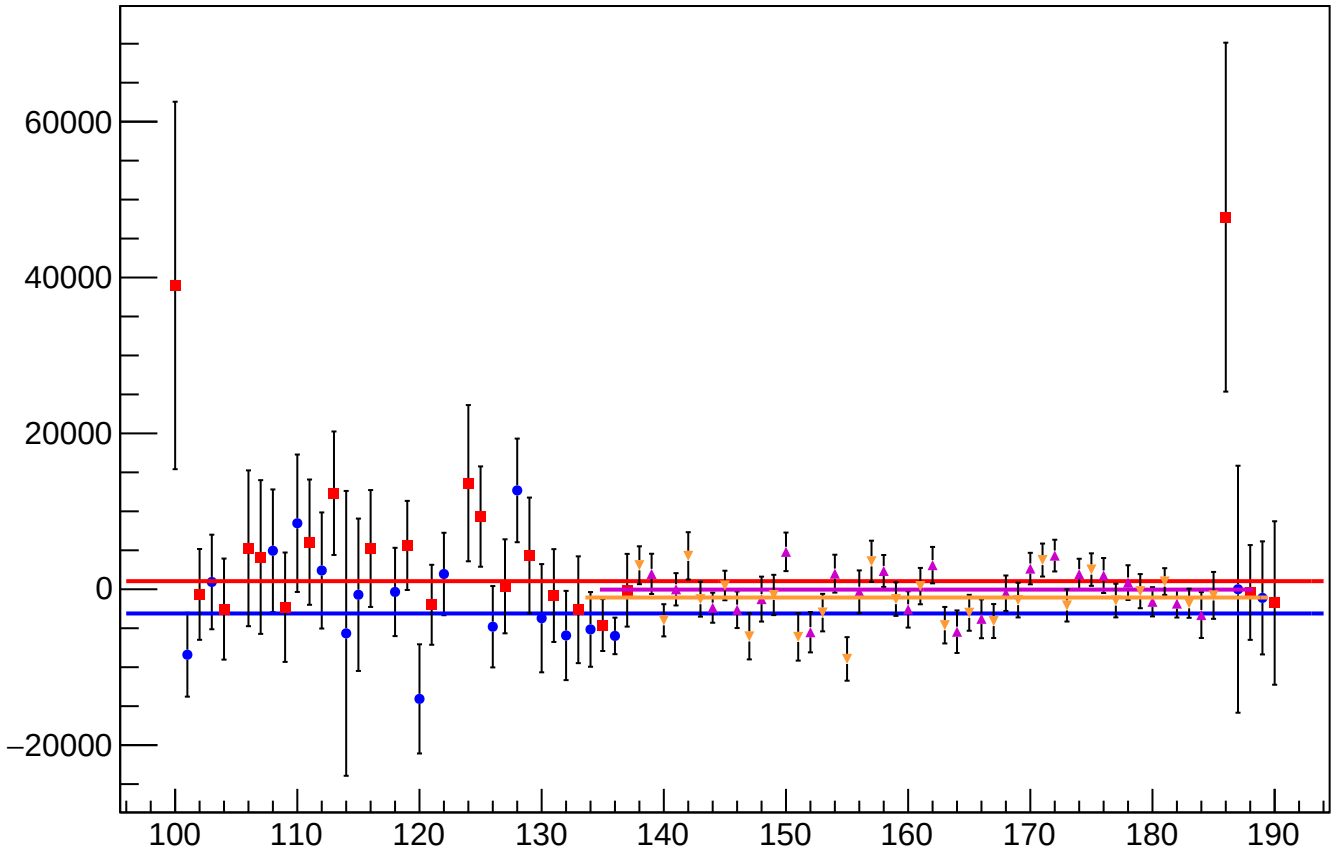
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.120+/-0.056 χ^2/NDF: 1627521.5/39

In: 271.057+/-0.038 χ^2/NDF:1220307.4/40

Out: 273.389+/-0.037 χ^2/NDF:1798737.2/46

All: 272.256+/-0.026 χ^2/NDF: 3020994.0/87



Right In: -3106.325+/-1326.174 χ^2/NDF: 16.2/17

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1040.472+/-1390.953 χ^2/NDF: 18.4/21

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

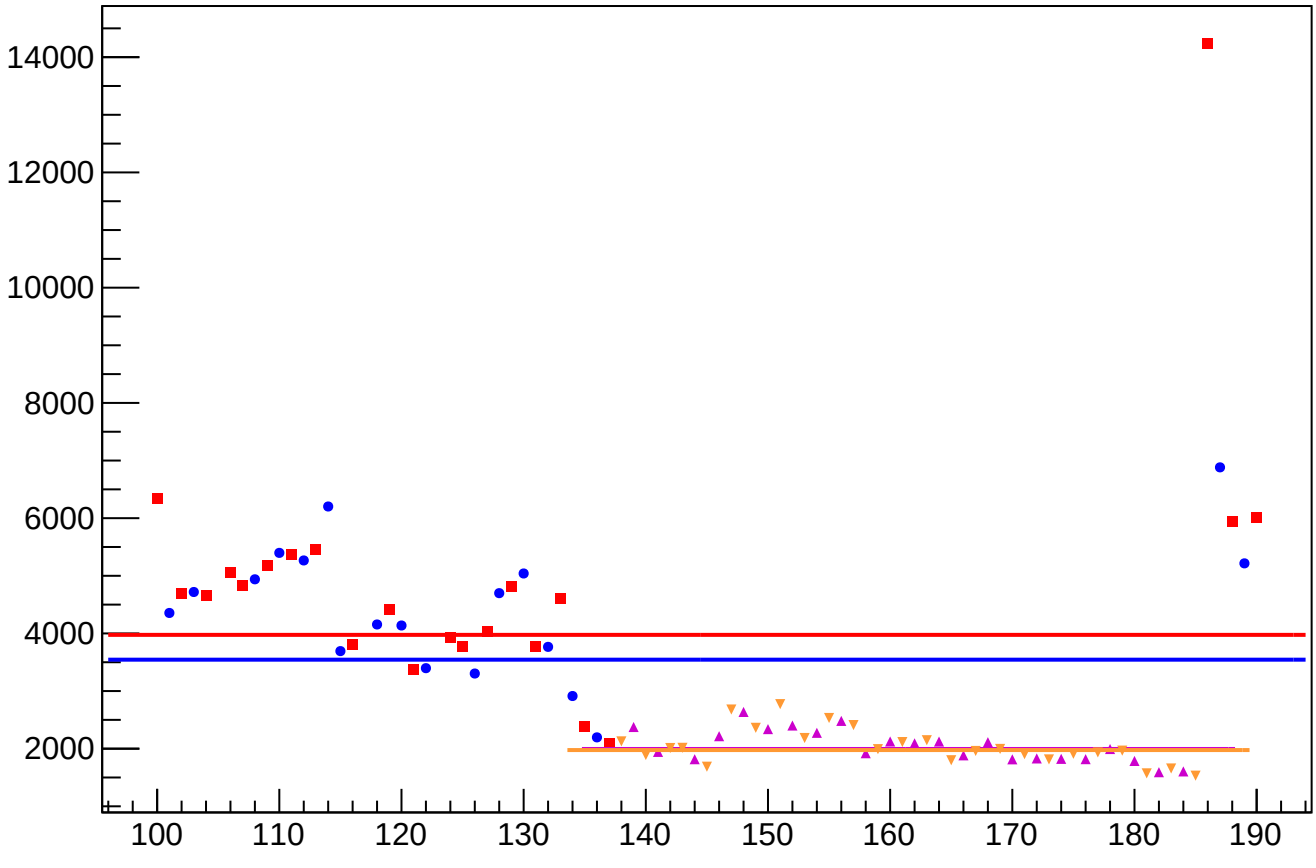
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1131.733+/-959.831 χ^2/NDF: 39.3/39

In: -386.927+/-443.588 χ^2/NDF:55.1/40

Out: -856.554+/-432.153 χ^2/NDF:62.0/46

All: -627.872+/-309.542 χ^2/NDF: 117.7/87



Right In: 3544.493+/-0.938 χ^2/NDF: 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3975.003+/-0.984 χ^2/NDF: 1877881.5/21

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

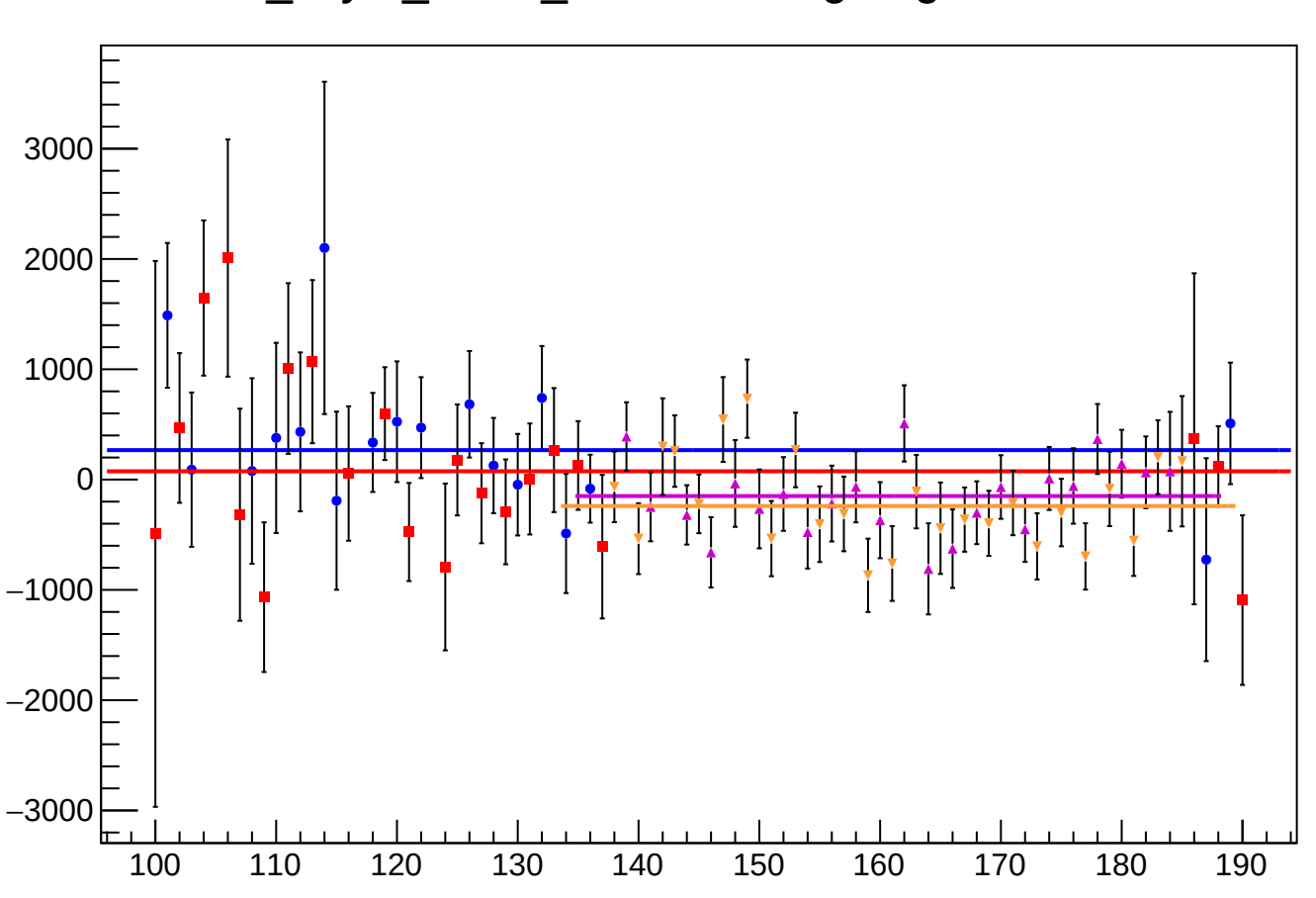
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3749.490+/-0.679 χ^2/NDF: 3490139.5/39

In: 2168.147+/-0.314 χ^2/NDF:4537462.3/40

Out: 2168.929+/-0.306 χ^2/NDF:6373377.3/46

All: 2168.548+/-0.219 χ^2/NDF: 10910842.8/8



Right In: 266.980+/-127.617 χ^2/NDF: 12.8/17

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 75.354+/-123.373 χ^2/NDF: 23.7/21

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

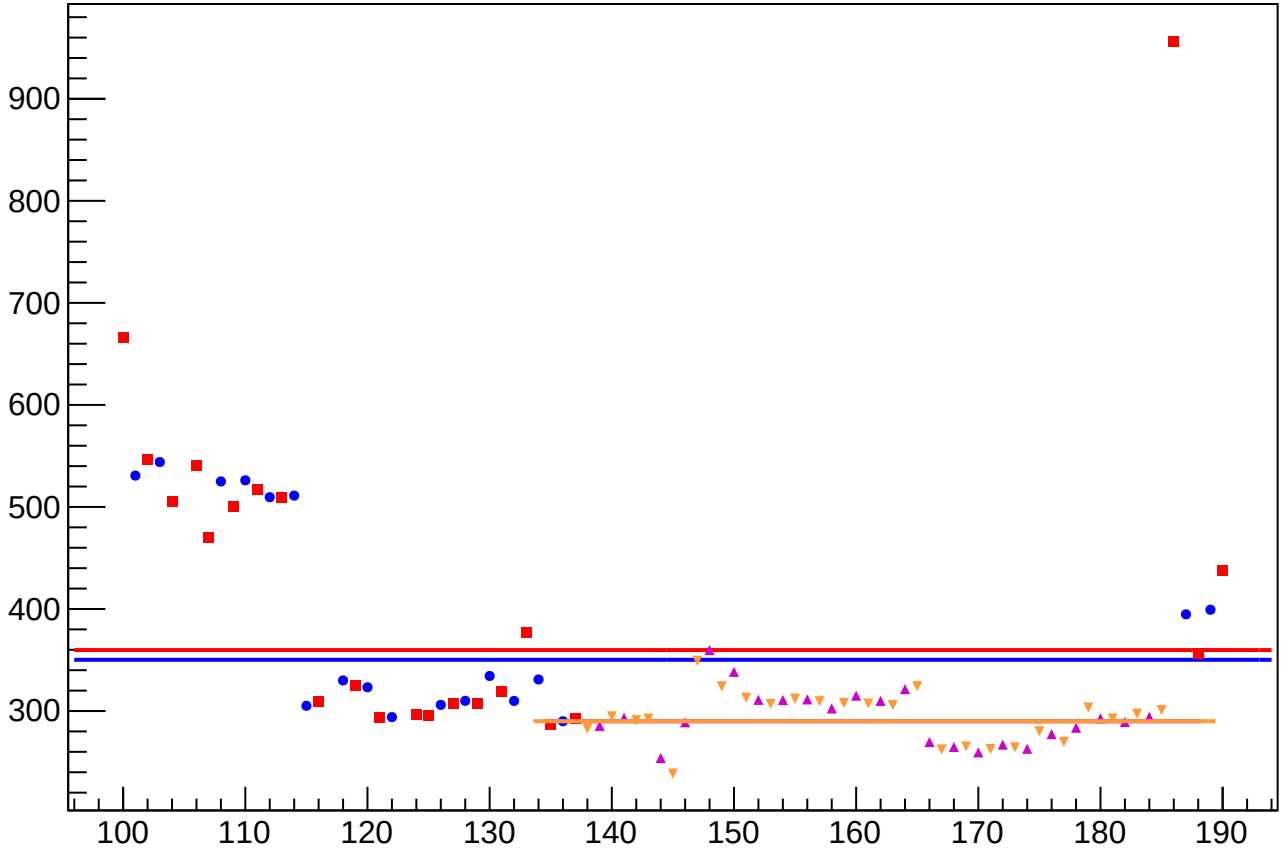
Right: 167.928+/-88.700 χ^2/NDF: 37.7/39

In: -57.077+/-60.122 χ^2/NDF:42.8/40

Out: -169.204+/-58.310 χ^2/NDF:62.8/46

All: -114.855+/-41.857 χ^2/NDF: 107.4/87

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 350.215+/-0.090 χ^2/NDF: 790889.2/17

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 359.743+/-0.087 χ^2/NDF: 1207579.7/21

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

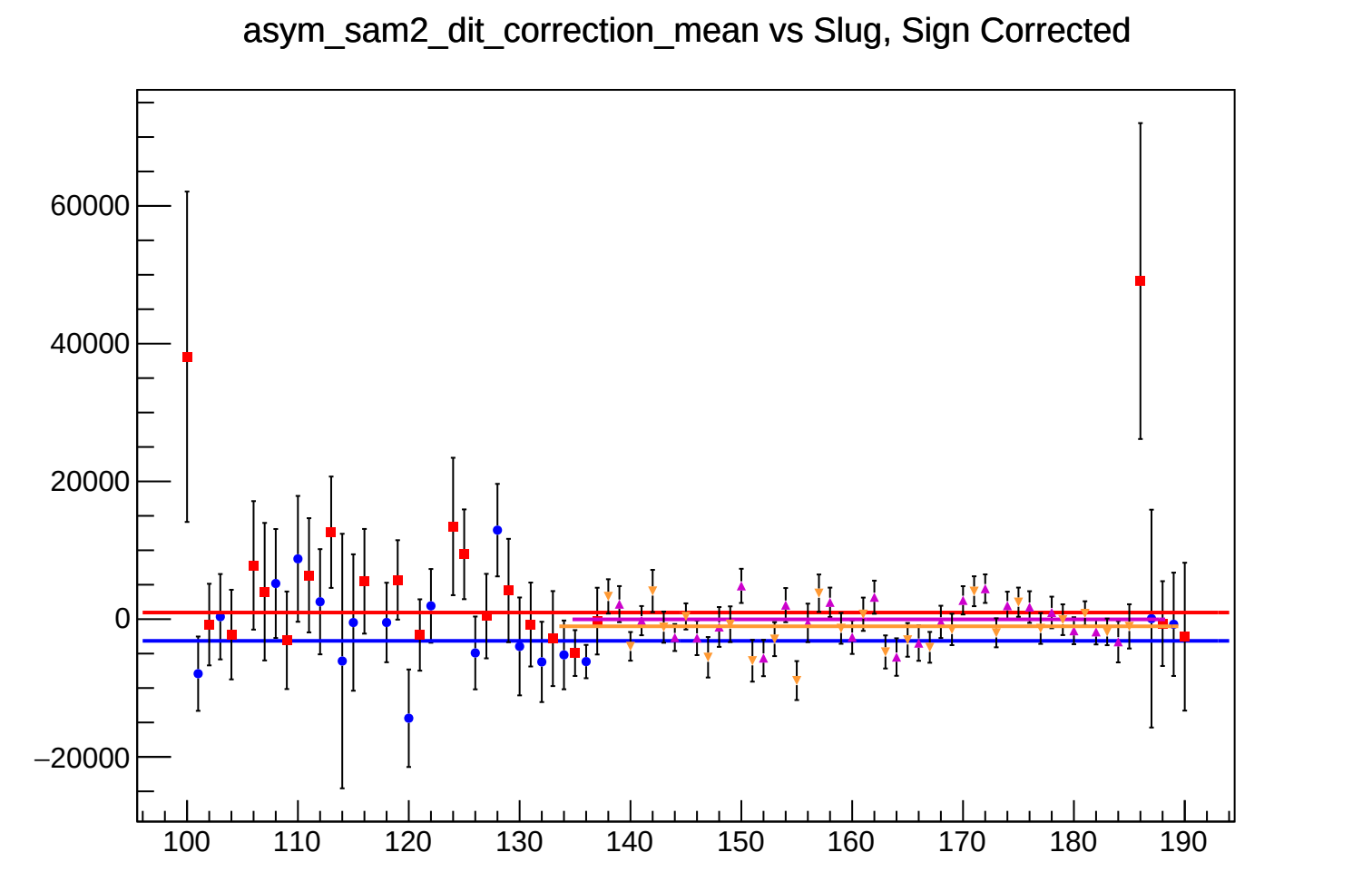
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 355.140+/-0.063 χ^2/NDF: 2004231.4/39

In: 303.319+/-0.043 χ^2/NDF:1407677.0/40

Out: 305.597+/-0.041 χ^2/NDF:1984260.3/46

All: 304.493+/-0.030 χ^2/NDF: 3393417.5/87



Right In: -3152.197+/-1356.145 χ^2/NDF: 16.2/17

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 961.262+/-1406.332 χ^2/NDF: 19.2/21

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

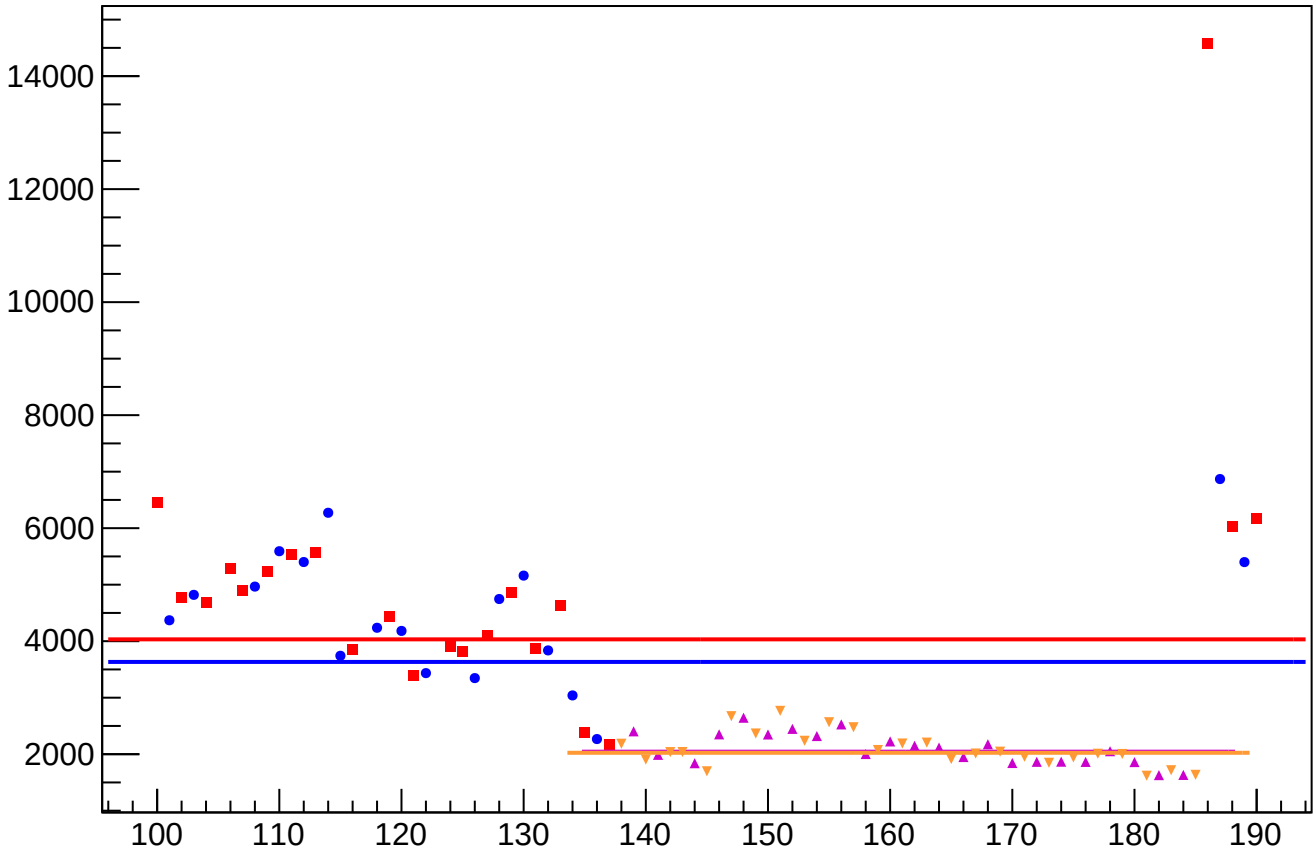
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -1170.173+/-976.199 χ^2/NDF: 39.8/39

In: -380.881+/-454.402 χ^2/NDF:55.0/40

Out: -839.450+/-441.769 χ^2/NDF:61.3/46

All: -616.628+/-316.750 χ^2/NDF: 116.9/87



Right In: 3632.925+/-0.959 χ^2/NDF: 1460760.4/17

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4032.355+/-0.994 χ^2/NDF: 1902297.8/21

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

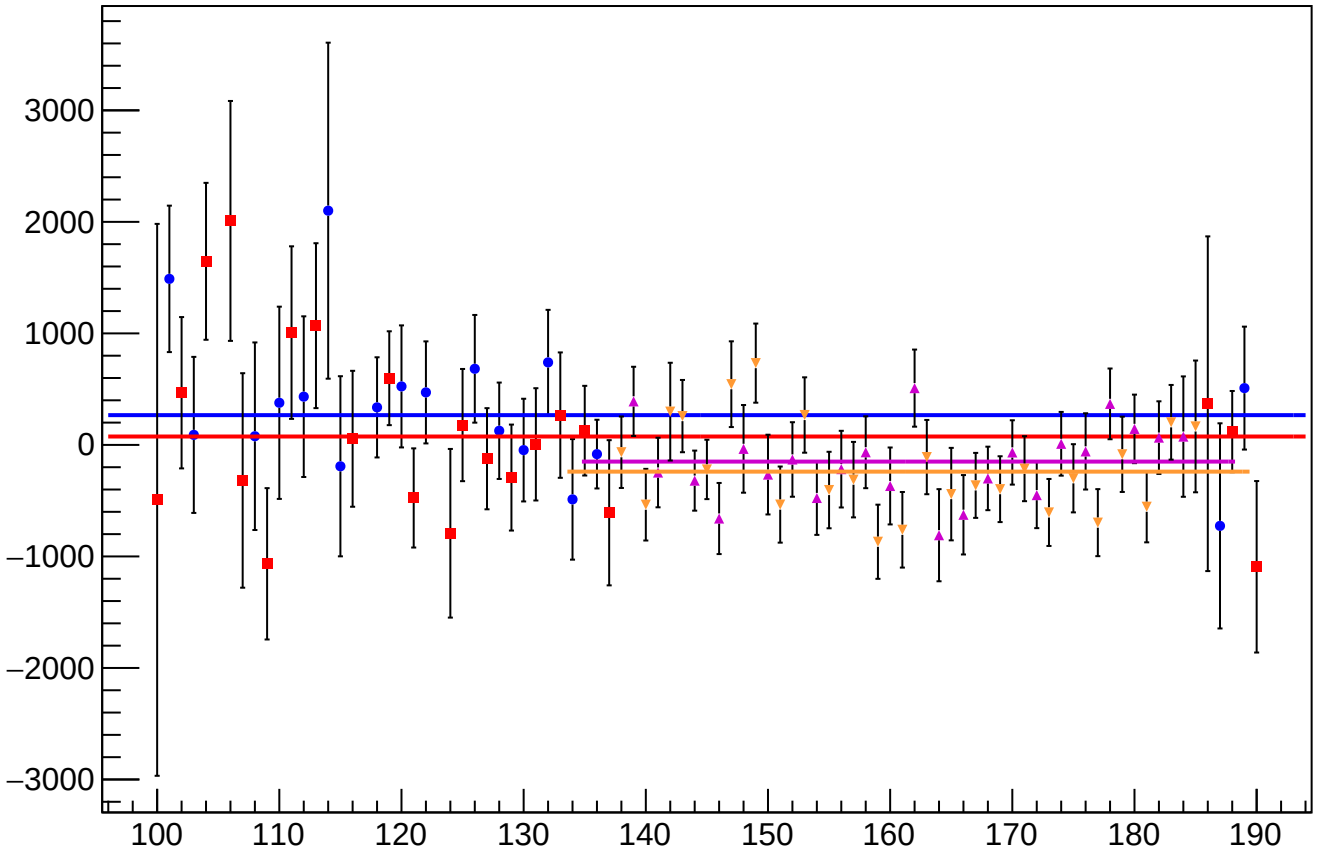
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 3825.385+/-0.690 χ^2/NDF: 3446657.2/39

In: 2222.854+/-0.321 χ^2/NDF:4481353.1/40

Out: 2223.156+/-0.312 χ^2/NDF:6275490.2/46

All: 2223.009+/-0.224 χ^2/NDF: 10756843.8/8



Right In: 266.984+/-127.617 χ^2/NDF: 12.8/17

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 75.355+/-123.372 χ^2/NDF: 23.7/21

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

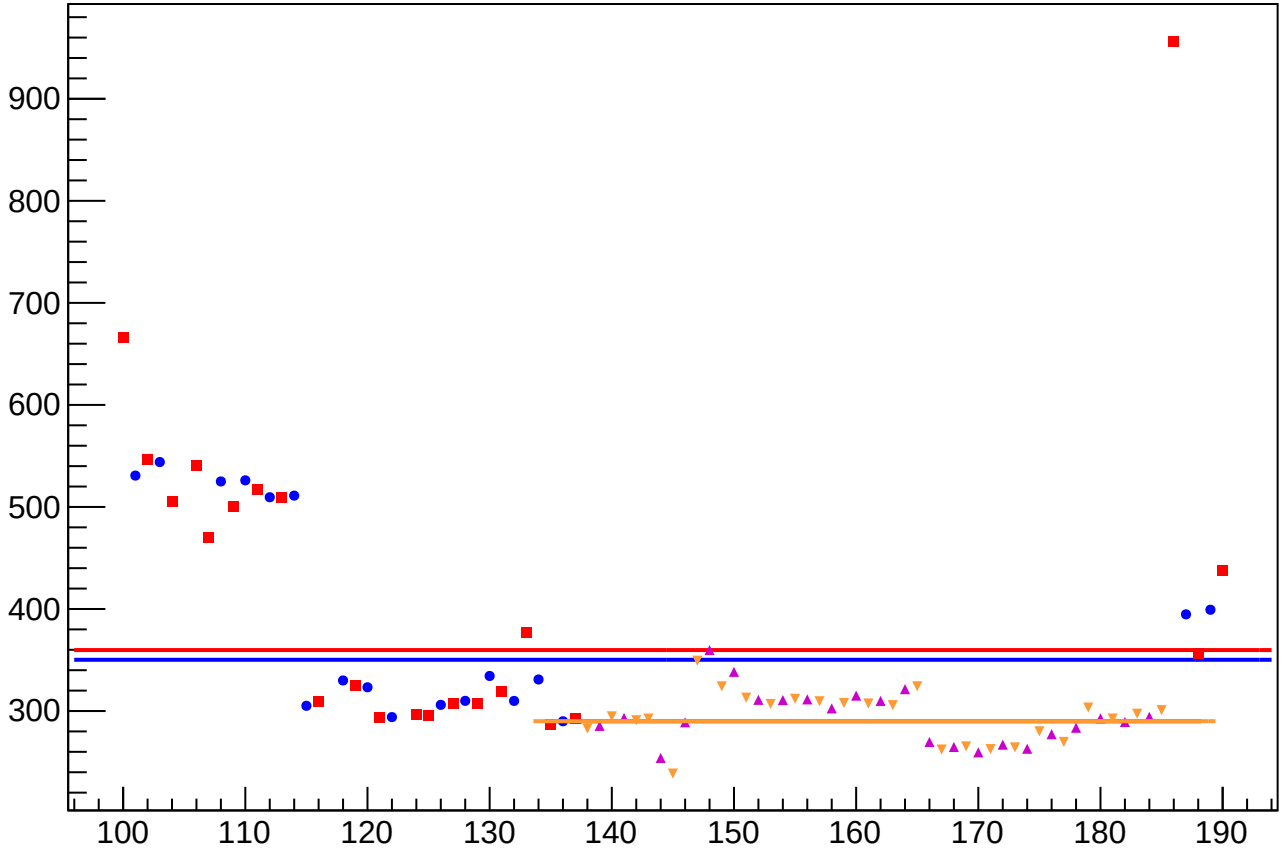
Right: 167.930+/-88.700 χ^2/NDF: 37.7/39

In: -57.076+/-60.122 χ^2/NDF:42.8/40

Out: -169.207+/-58.310 χ^2/NDF:62.8/46

All: -114.856+/-41.857 χ^2/NDF: 107.4/87

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 350.213+/-0.090 χ^2/NDF: 790883.4/17

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 359.742+/-0.087 χ^2/NDF: 1207567.9/21

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

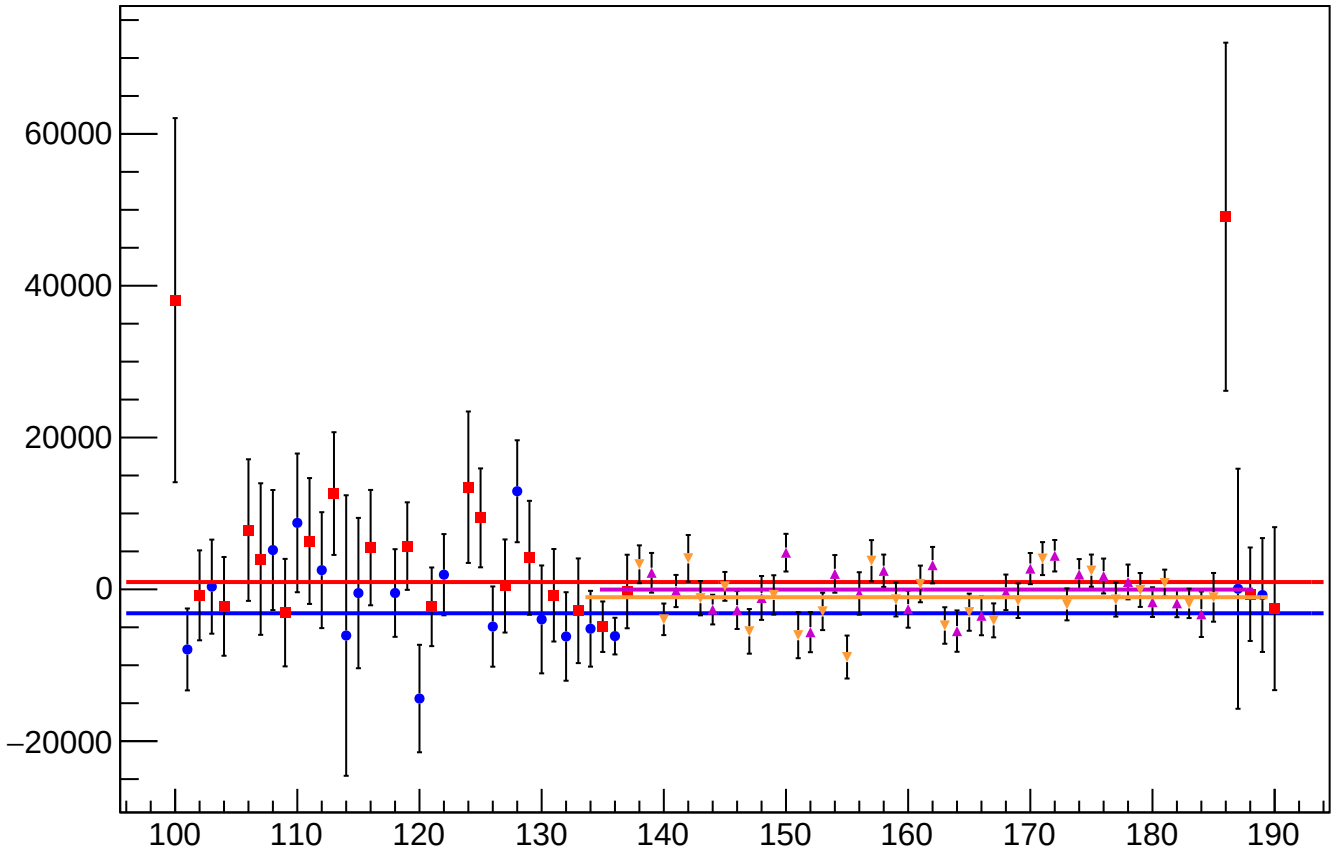
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 355.138+/-0.063 χ^2/NDF: 2004214.8/39

In: 303.318+/-0.043 χ^2/NDF:1407655.0/40

Out: 305.597+/-0.041 χ^2/NDF:1984241.2/46

All: 304.493+/-0.030 χ^2/NDF: 3393376.7/87



Right In: -3152.189+/-1356.143 χ^2/NDF: 16.2/17

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 961.266+/-1406.329 χ^2/NDF: 19.2/21

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

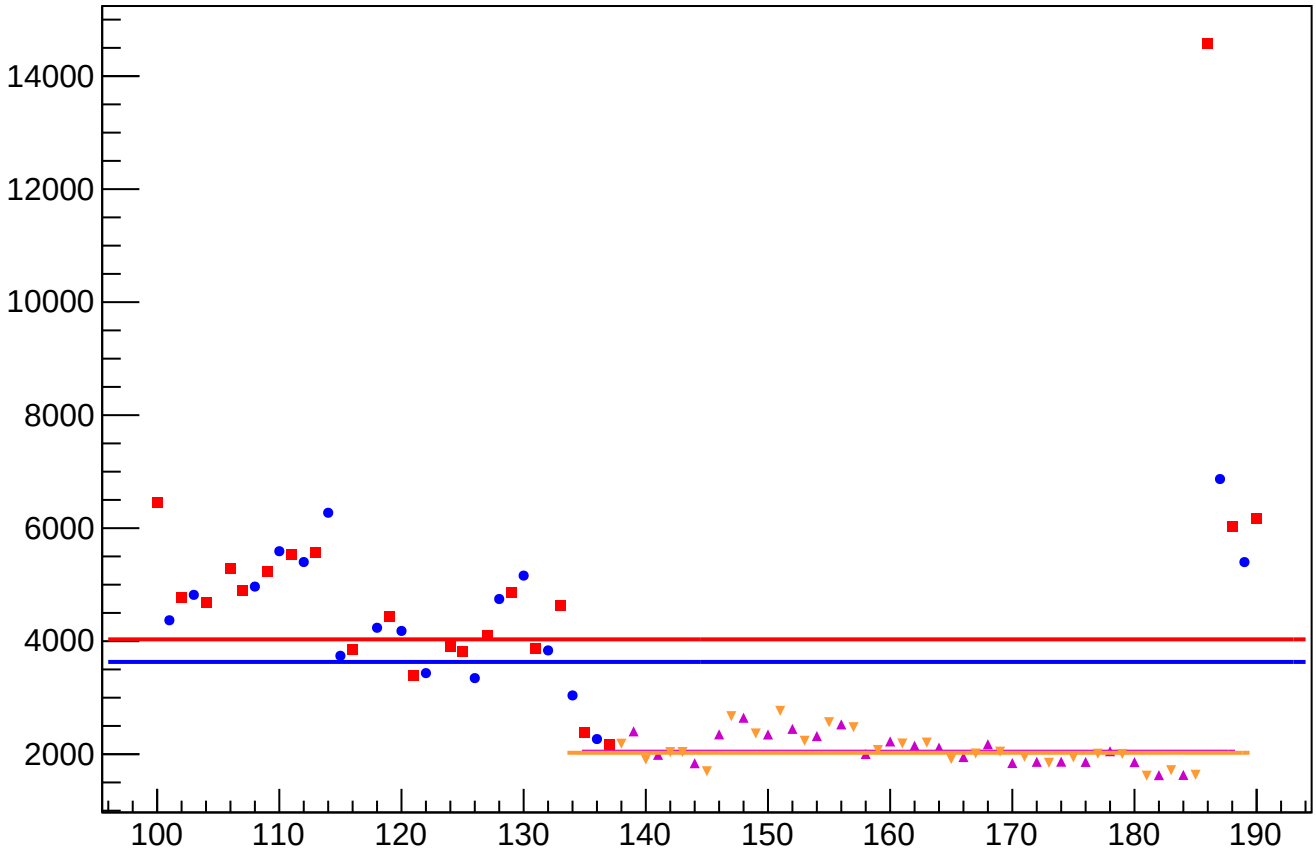
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1170.167+/-976.198 χ^2/NDF: 39.8/39

In: -380.880+/-454.401 χ^2/NDF:55.0/40

Out: -839.448+/-441.769 χ^2/NDF:61.3/46

All: -616.627+/-316.750 χ^2/NDF: 116.9/87



Right In: 3632.921+/-0.959 χ^2/NDF: 1460746.9/17

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4032.350+/-0.994 χ^2/NDF: 1902289.0/21

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

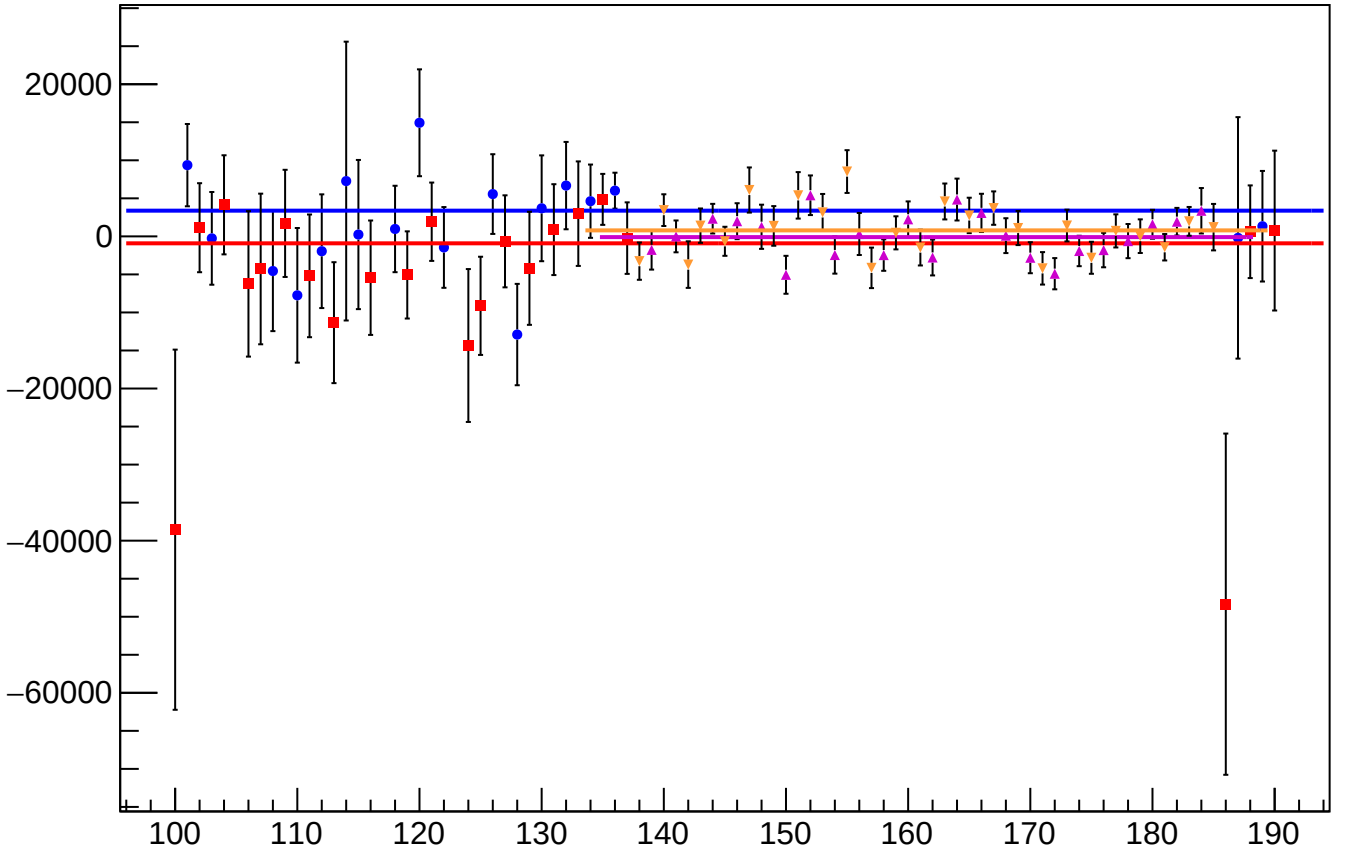
Right: 3825.381+/-0.690 χ^2/NDF: 3446634.7/39

In: 2222.854+/-0.321 χ^2/NDF:4481339.8/40

Out: 2223.157+/-0.312 χ^2/NDF:6275476.3/46

All: 2223.009+/-0.224 χ^2/NDF: 10756816.6/8

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3380.432+/-1332.420 χ^2/NDF: 16.5/17

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -912.652+/-1395.020 χ^2/NDF: 18.6/21

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

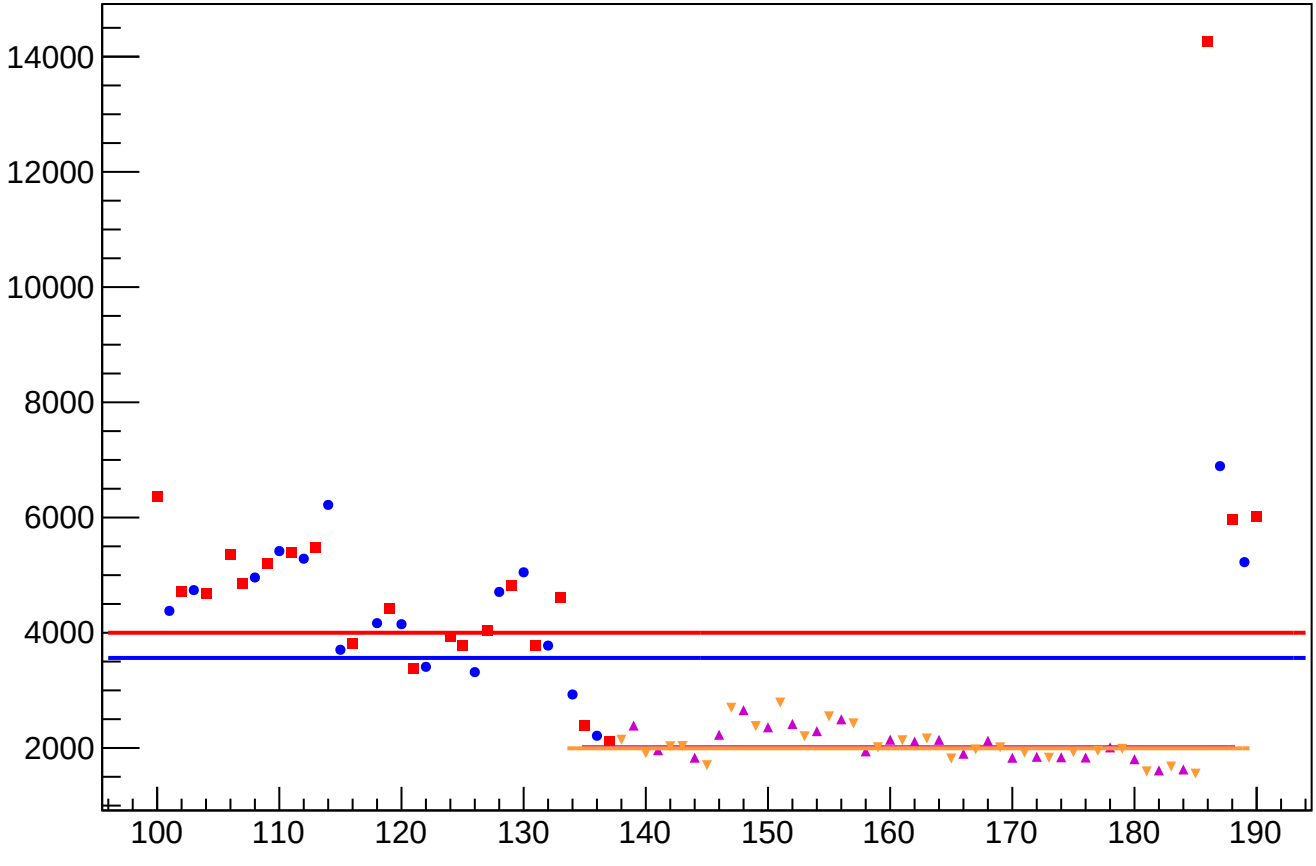
Right: 1332.372+/-963.534 χ^2/NDF: 40.0/39

In: 295.092+/-447.273 χ^2/NDF:55.3/40

Out: 622.342+/-435.771 χ^2/NDF:61.2/46

All: 462.979+/-312.124 χ^2/NDF: 116.9/87

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3563.259+/-0.942 χ^2/NDF: 1496705.5/17

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4000.318+/-0.986 χ^2/NDF: 1881728.3/21

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

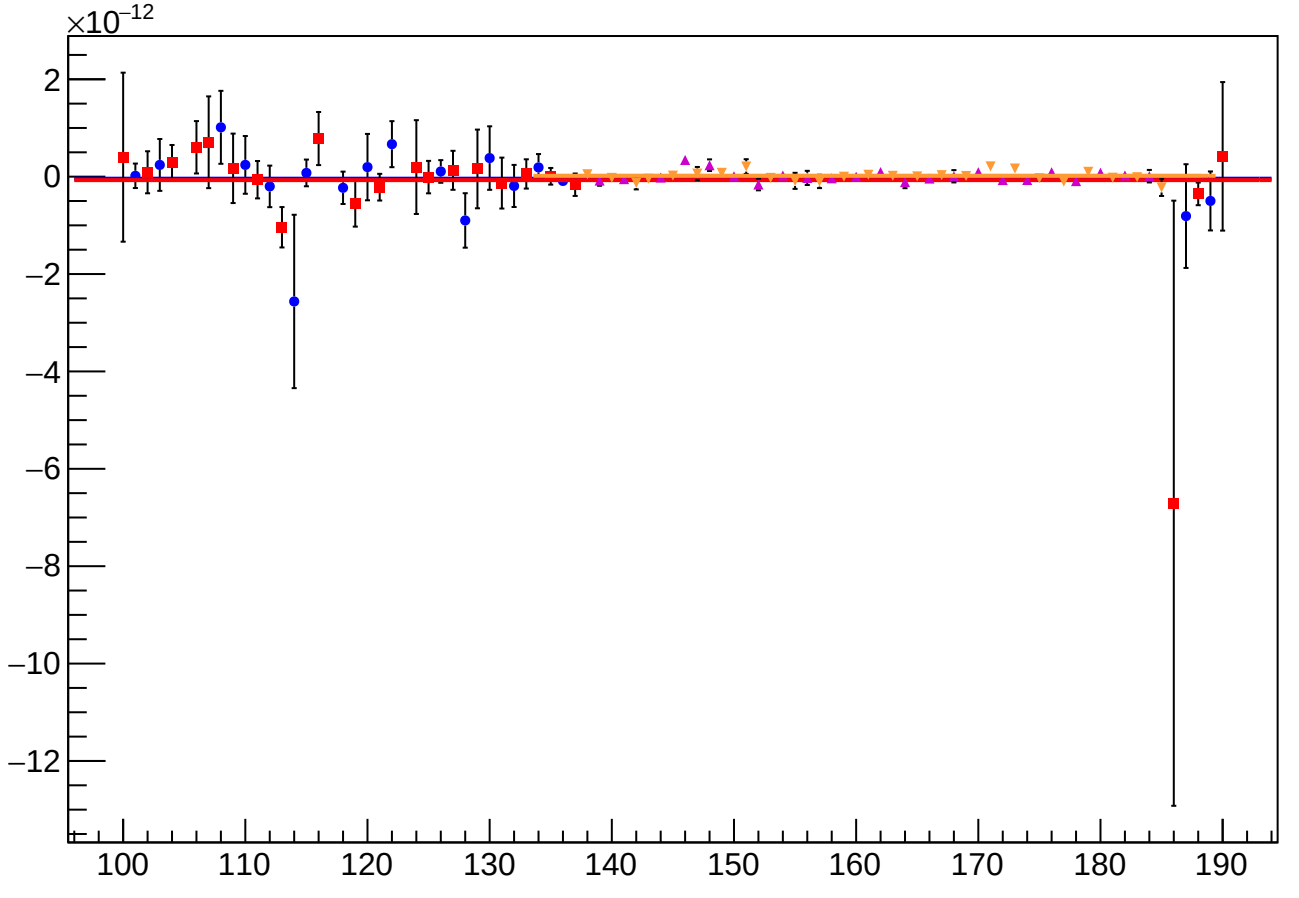
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 3771.763+/-0.681 χ^2/NDF: 3481093.6/39

In: 2187.416+/-0.316 χ^2/NDF:4487262.6/40

Out: 2189.996+/-0.308 χ^2/NDF:6360486.3/46

All: 2188.740+/-0.221 χ^2/NDF: 10847783.0/8



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/21

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

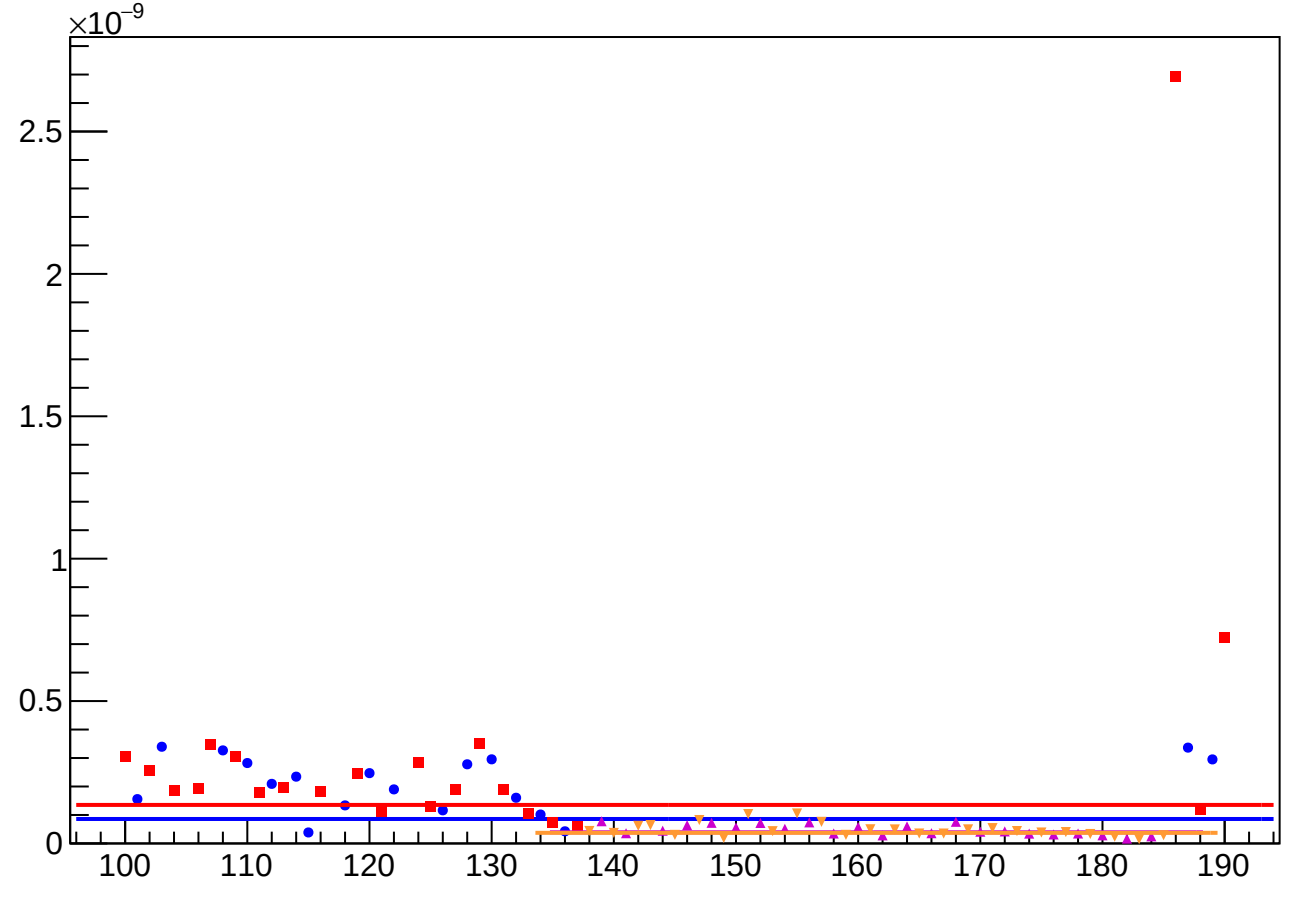
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 29.6/39

In: 0.000+/-0.000 χ^2/NDF:44.5/40

Out: 0.000+/-0.000 χ^2/NDF:38.9/46

All: 0.000+/-0.000 χ^2/NDF: 83.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 3056129.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2047694.7/21

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

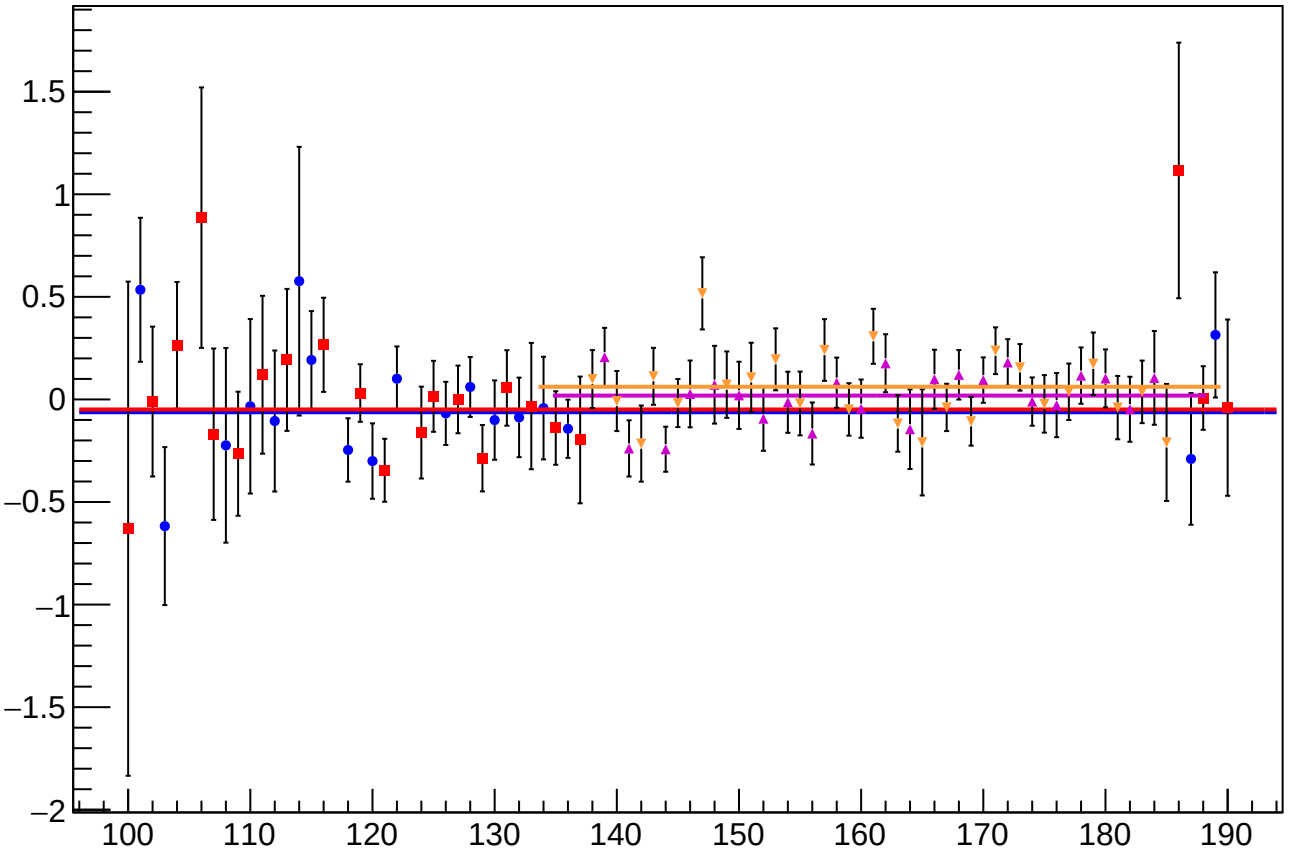
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5593283.0/39

In: 0.000+/-0.000 χ^2/NDF:6101754.7/40

Out: 0.000+/-0.000 χ^2/NDF:7295559.5/46

All: 0.000+/-0.000 χ^2/NDF: 13407808.7/87



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/21

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

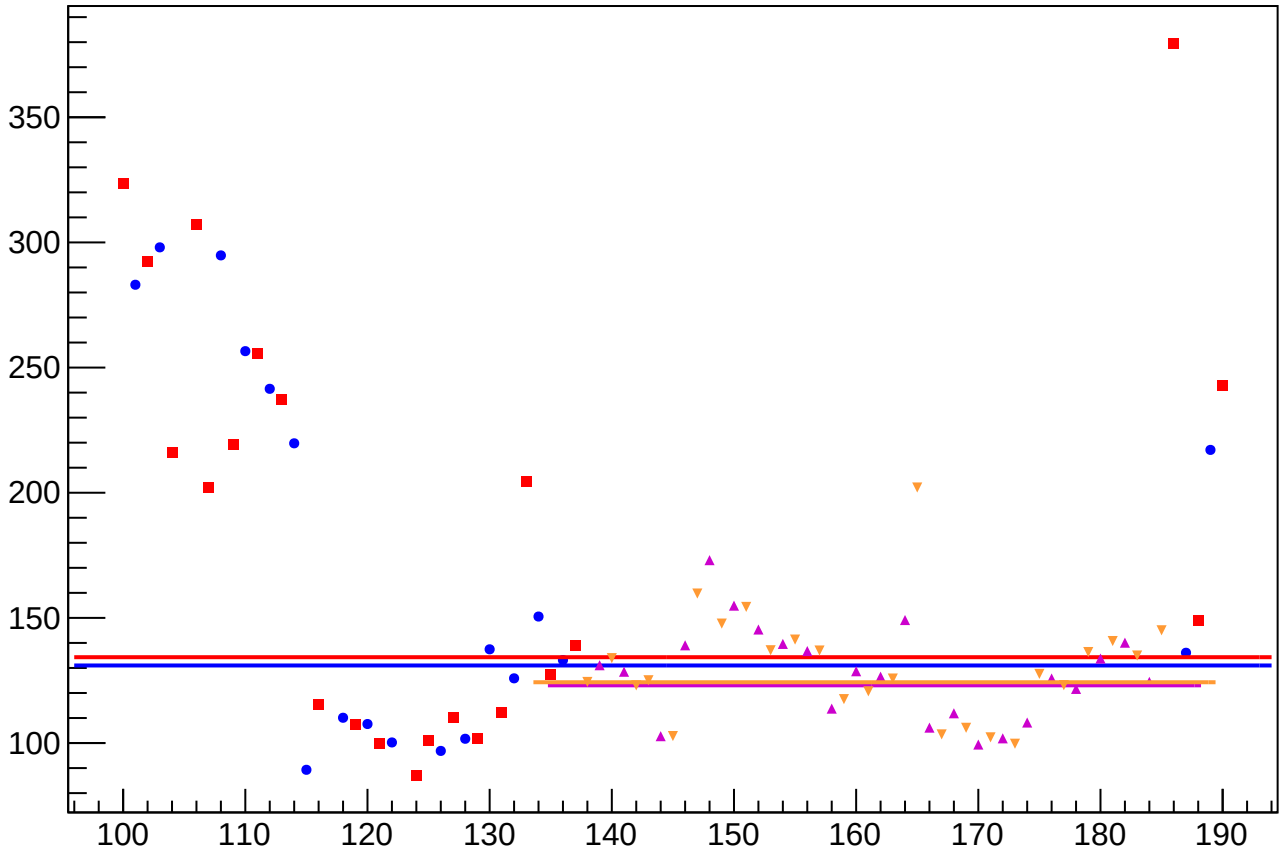
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.055+/-0.035 χ^2/NDF: 32.3/39

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/46

All: 0.016+/-0.018 χ^2/NDF: 86.7/87



Right In: 130.991+/-0.036 χ^2/NDF: 1969986.0/17

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 134.296+/-0.034 χ^2/NDF: 2361912.0/21

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

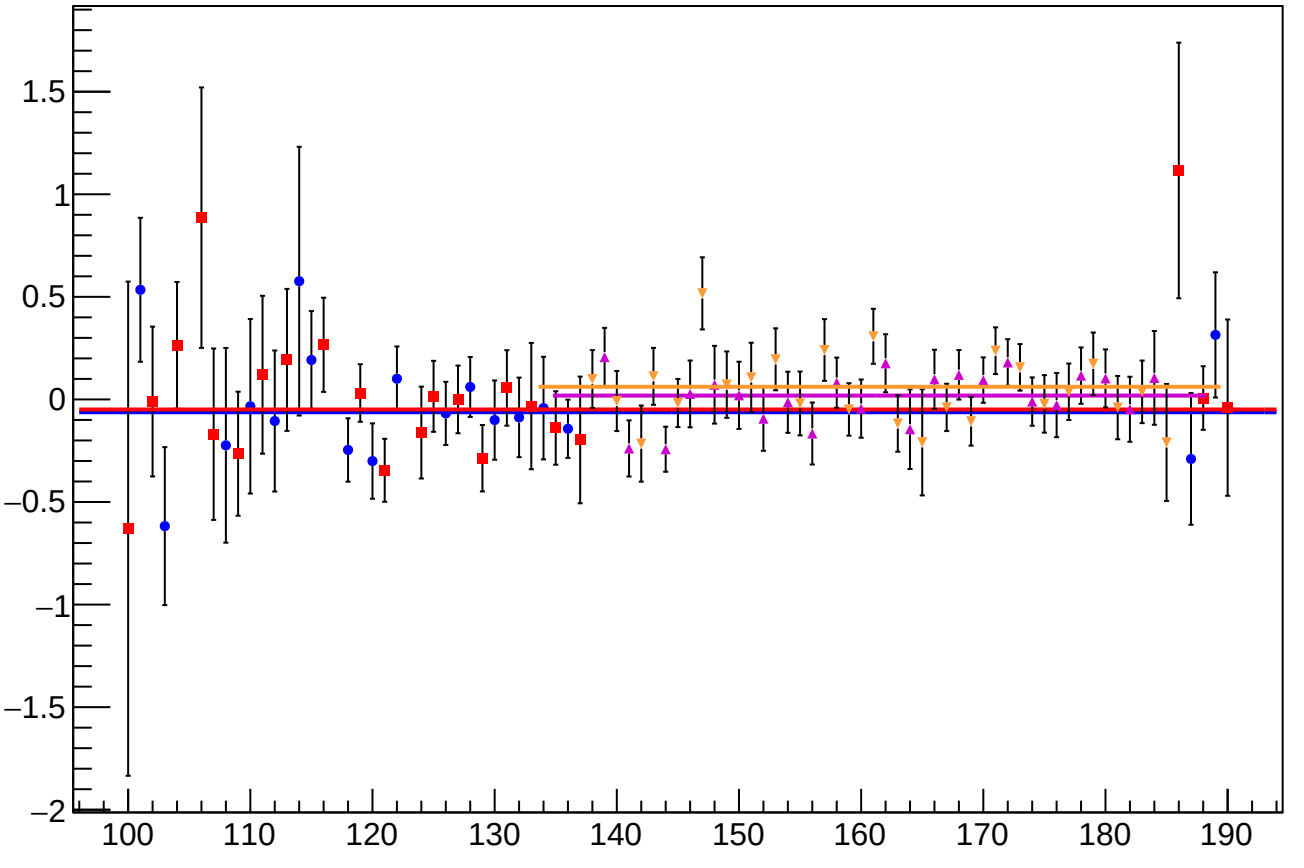
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 132.707+/-0.025 χ^2/NDF: 4336362.5/39

In: 125.067+/-0.018 χ^2/NDF:2725777.0/40

Out: 126.883+/-0.017 χ^2/NDF:3265923.5/46

All: 125.999+/-0.013 χ^2/NDF: 5996964.8/87



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/21

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

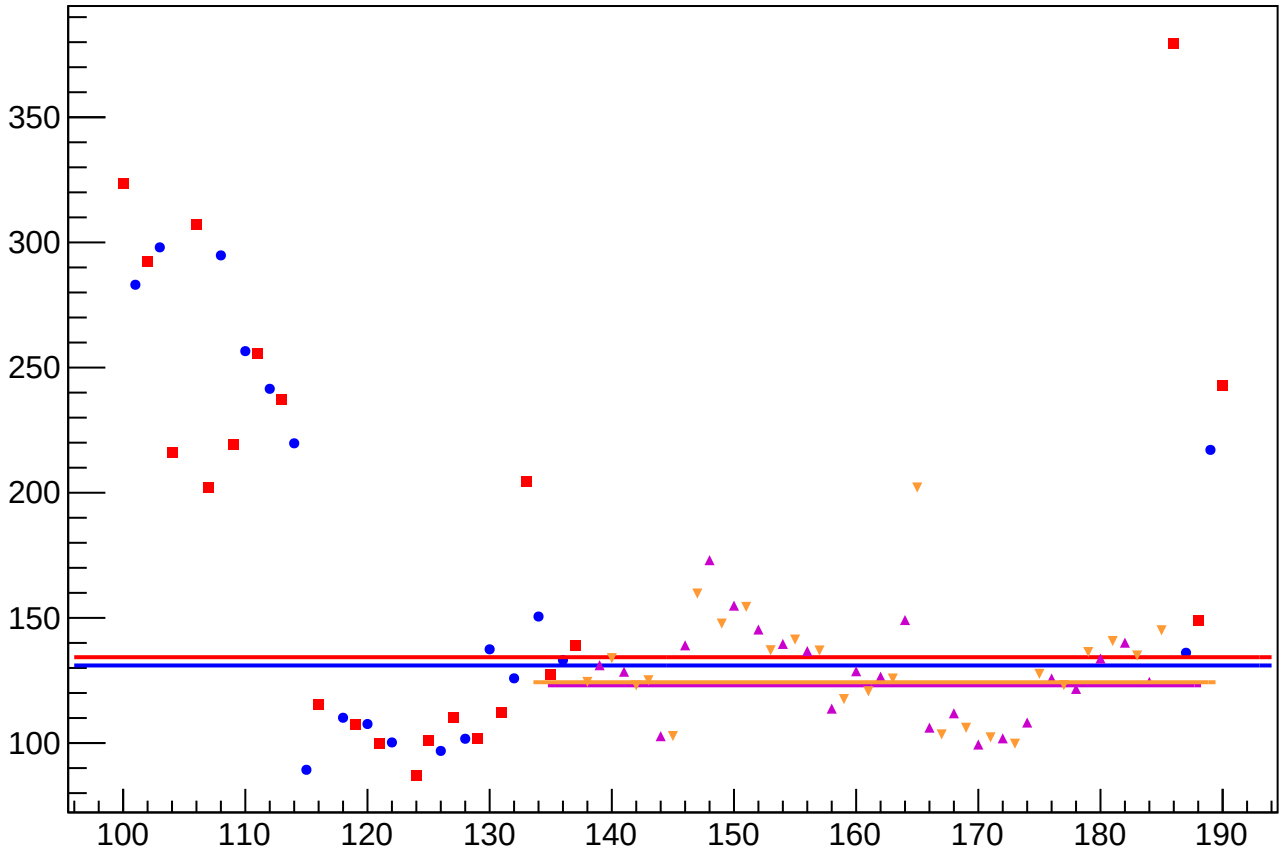
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.055+/-0.035 χ^2/NDF: 32.3/39

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/46

All: 0.016+/-0.018 χ^2/NDF: 86.7/87



Right In: 130.991+/-0.036 χ^2/NDF: 1969986.0/17

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 134.296+/-0.034 χ^2/NDF: 2361912.0/21

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

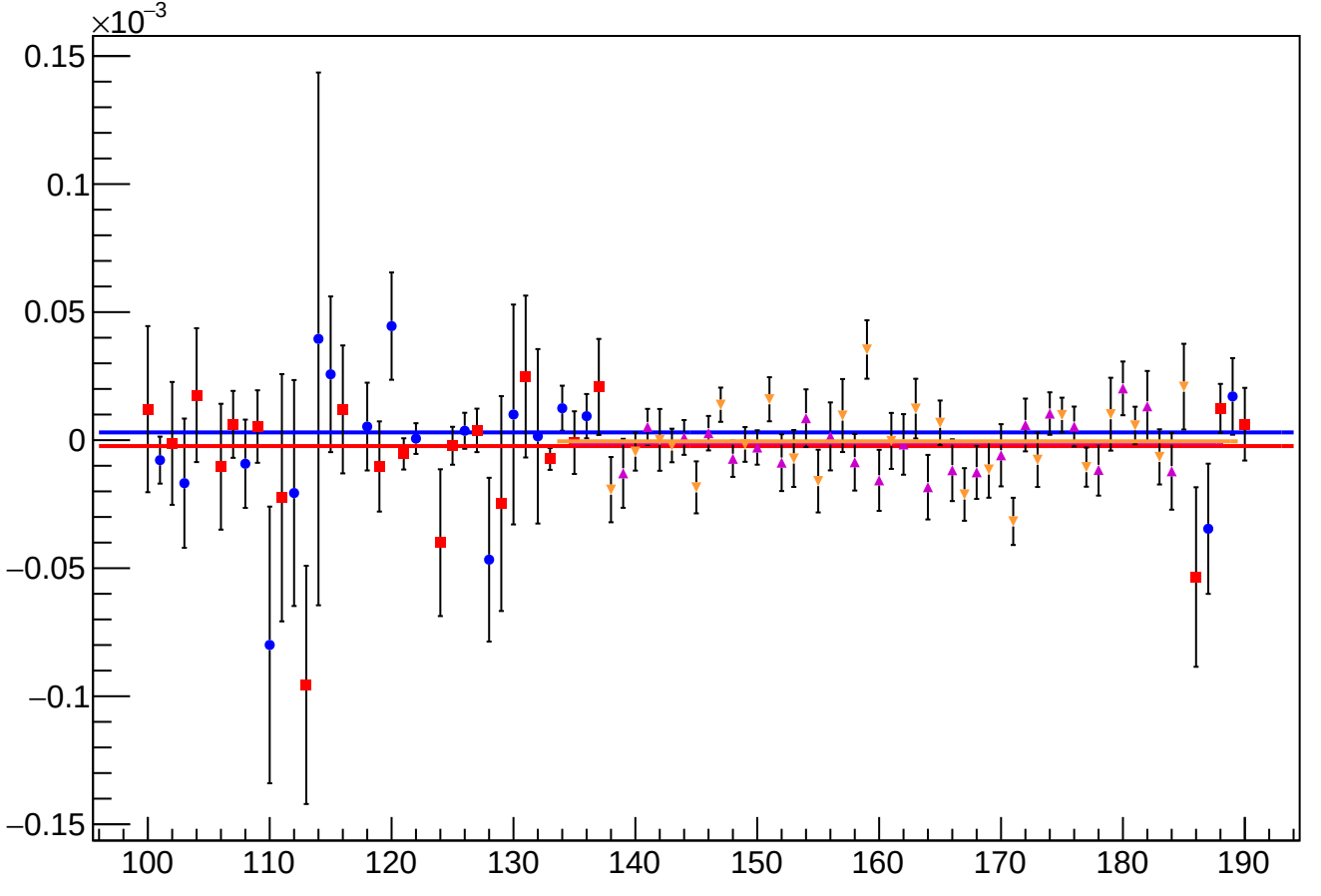
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 132.707+/-0.025 χ^2/NDF: 4336362.5/39

In: 125.067+/-0.018 χ^2/NDF:2725777.0/40

Out: 126.883+/-0.017 χ^2/NDF:3265923.5/46

All: 125.999+/-0.013 χ^2/NDF: 5996964.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/21

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

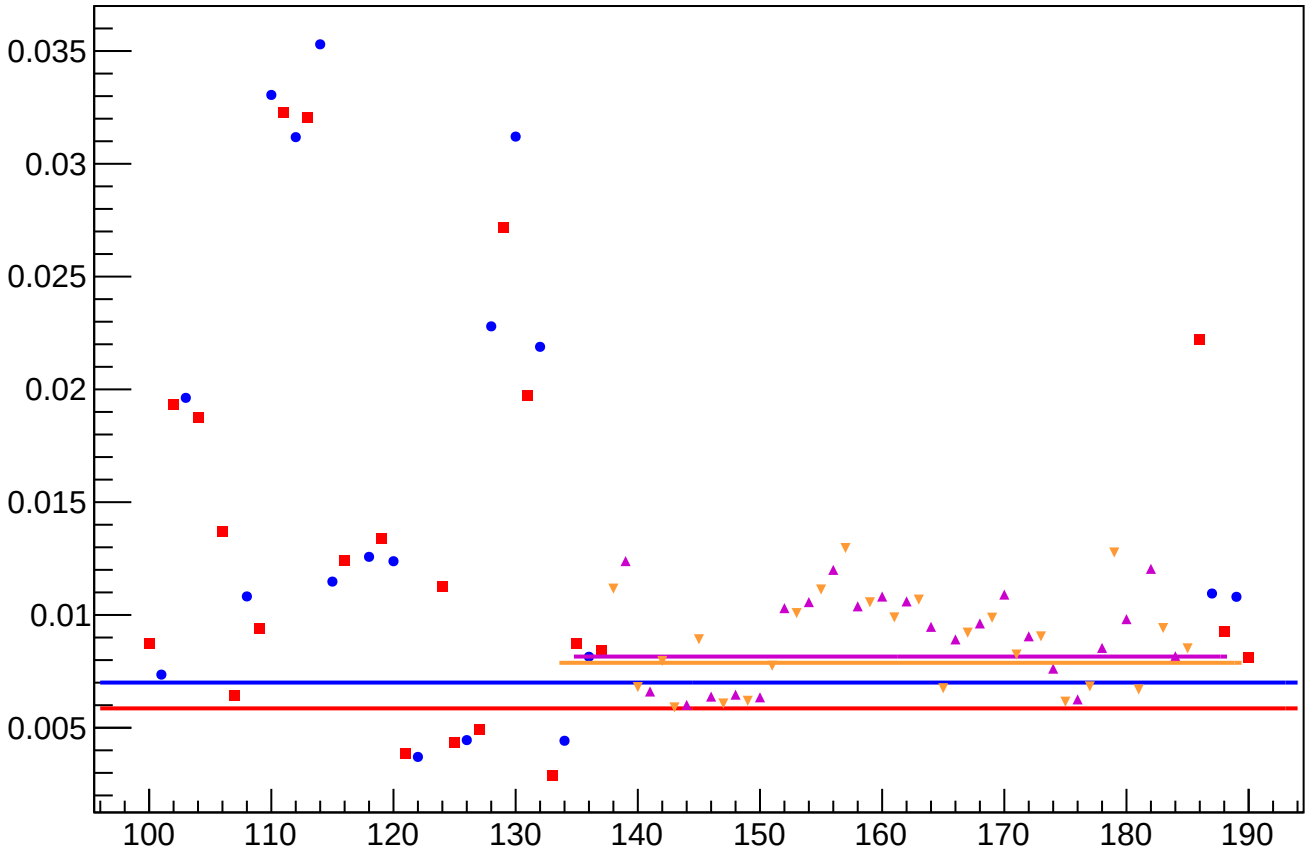
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 36.7/39

In: 0.000+/-0.000 χ^2/NDF:38.3/40

Out: -0.000+/-0.000 χ^2/NDF:70.5/46

All: -0.000+/-0.000 χ^2/NDF: 109.2/87



Right In: 0.007+/-0.000 χ^2/NDF: 4960340.7/17

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6363192.4/21

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

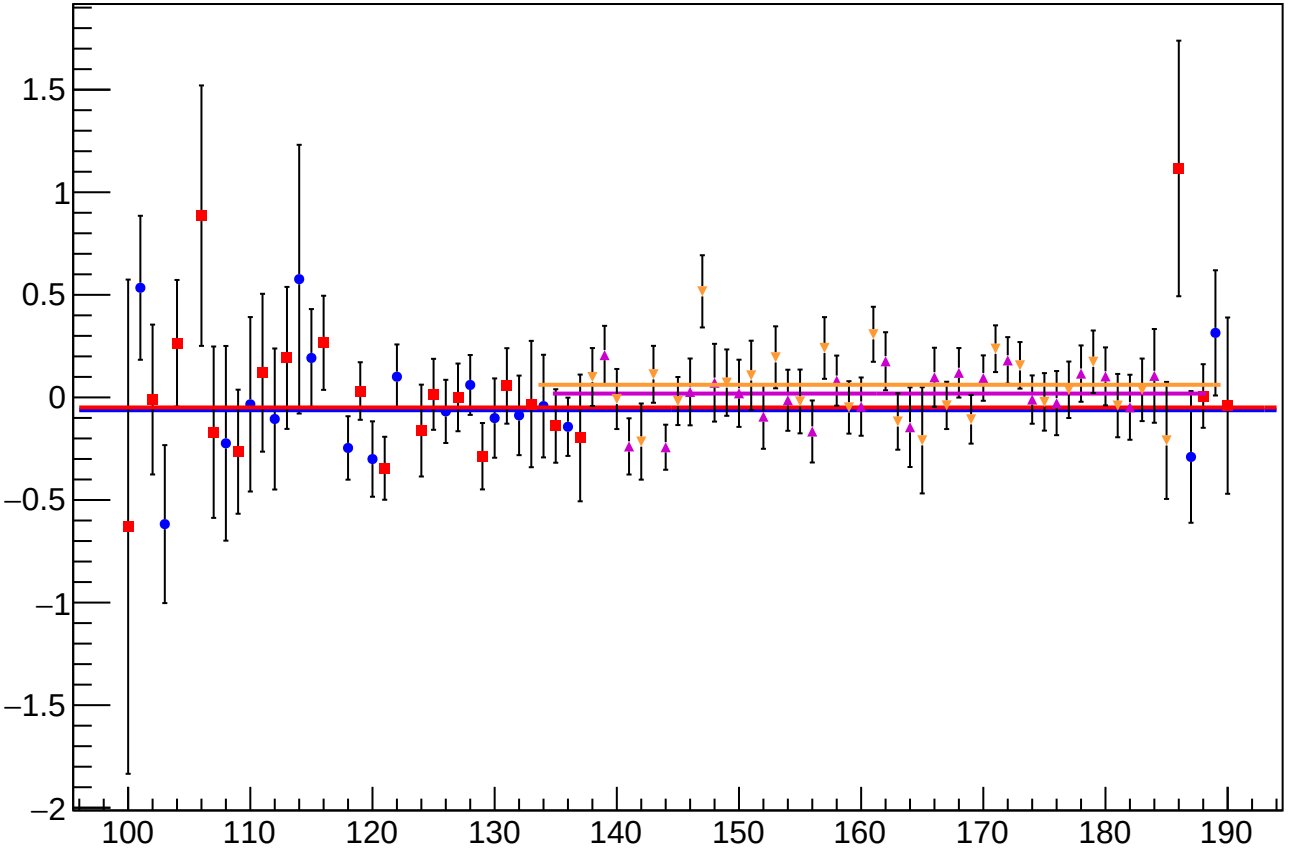
Right: 0.006+/-0.000 χ^2/NDF: 11493968.6/39

In: 0.008+/-0.000 χ^2/NDF:7178406.3/40

Out: 0.007+/-0.000 χ^2/NDF:9301127.7/46

All: 0.007+/-0.000 χ^2/NDF: 16657961.0/87

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/21

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

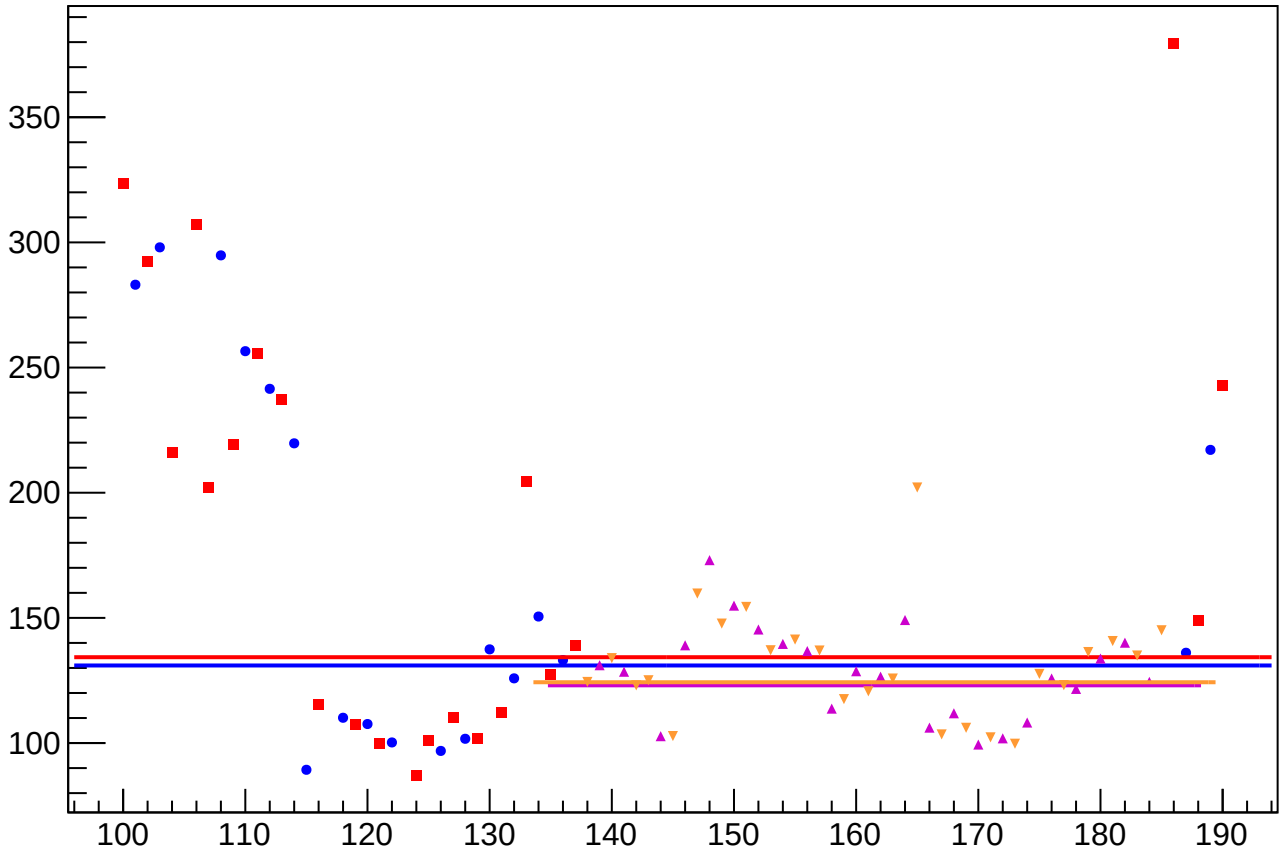
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.055+/-0.035 χ^2/NDF: 32.3/39

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/46

All: 0.016+/-0.018 χ^2/NDF: 86.7/87



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 134.294+/-0.034 χ^2/NDF: 2361927.9/21

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

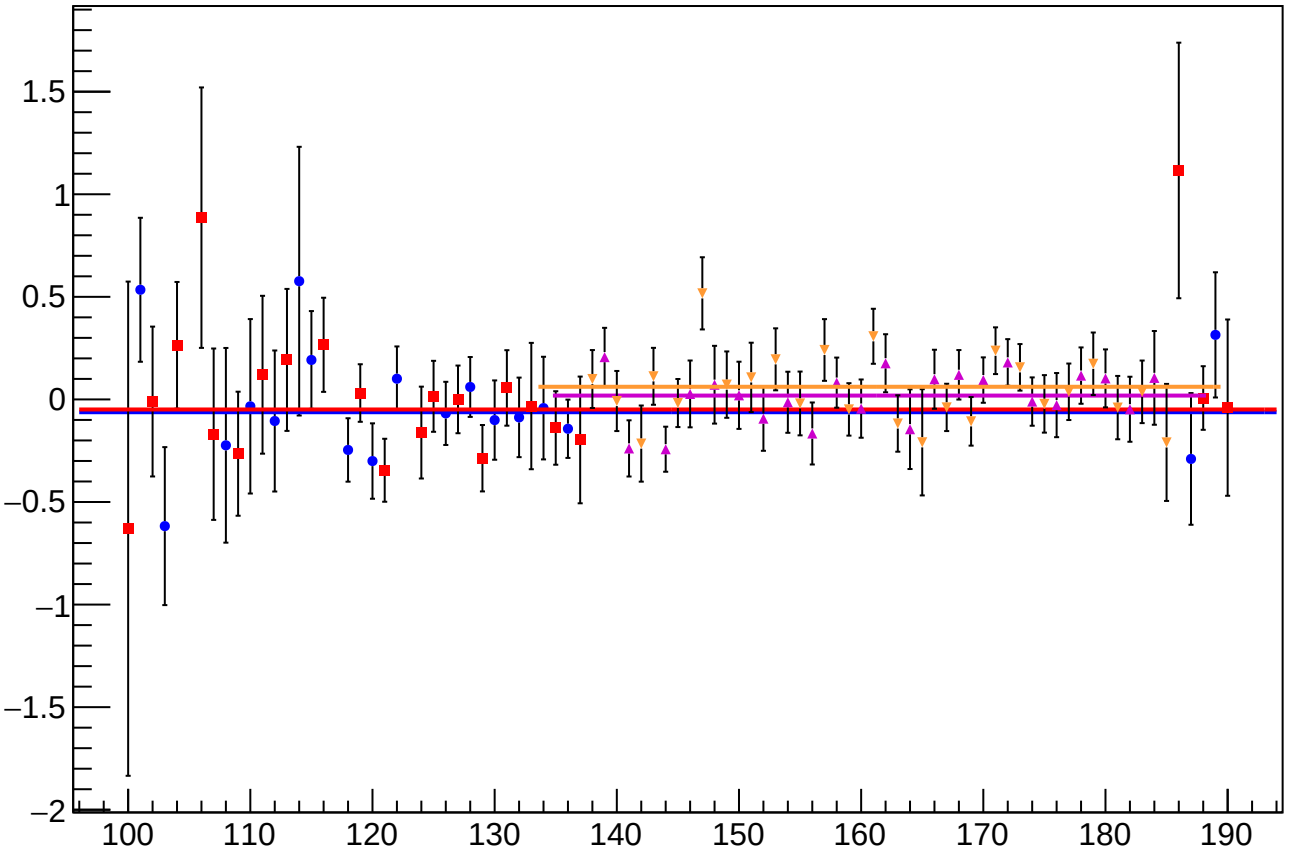
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 132.704+/-0.025 χ^2/NDF: 4336345.1/39

In: 125.067+/-0.018 χ^2/NDF:2725743.1/40

Out: 126.882+/-0.017 χ^2/NDF:3265960.2/46

All: 125.998+/-0.013 χ^2/NDF: 5996968.2/87



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/21

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

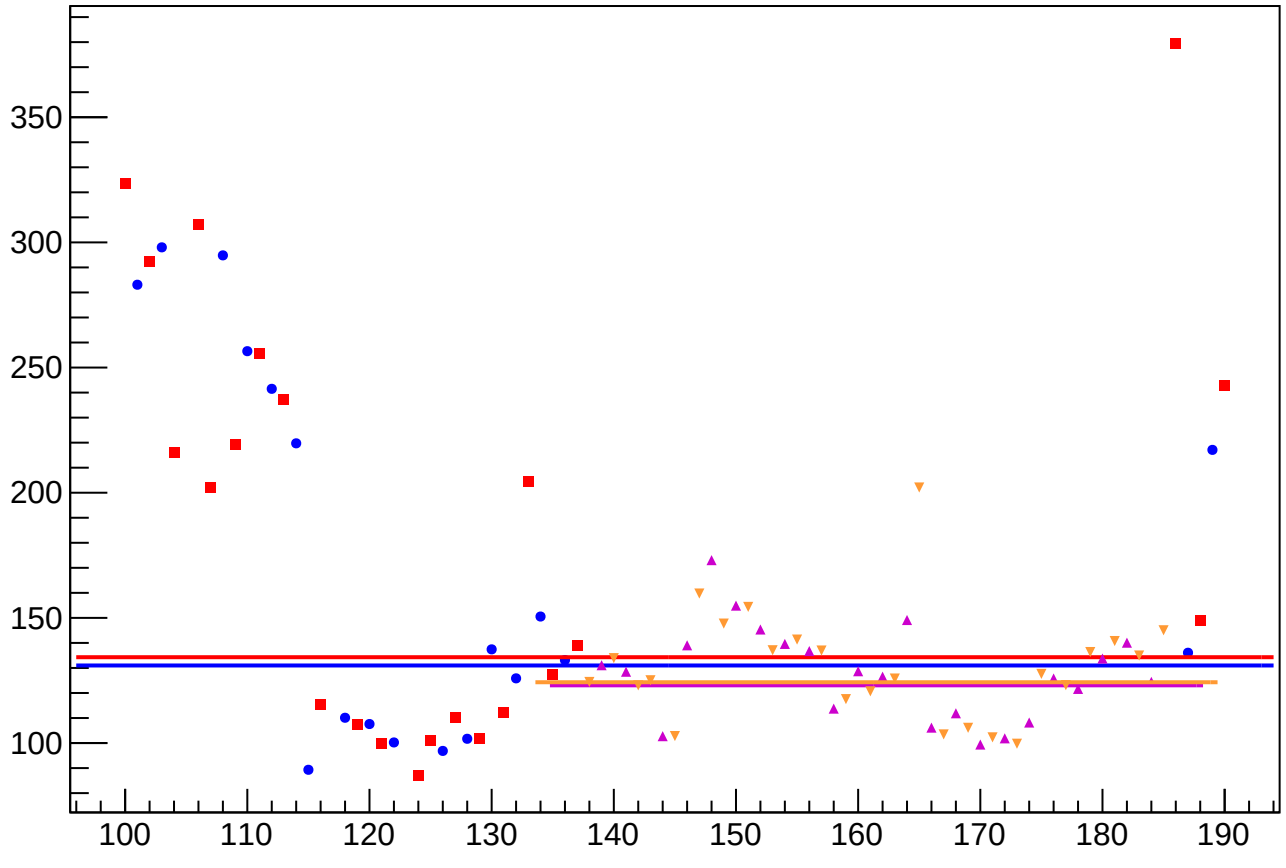
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.055+/-0.035 χ^2/NDF: 32.3/39

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/46

All: 0.016+/-0.018 χ^2/NDF: 86.7/87



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 134.294+/-0.034 χ^2/NDF: 2361927.9/21

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

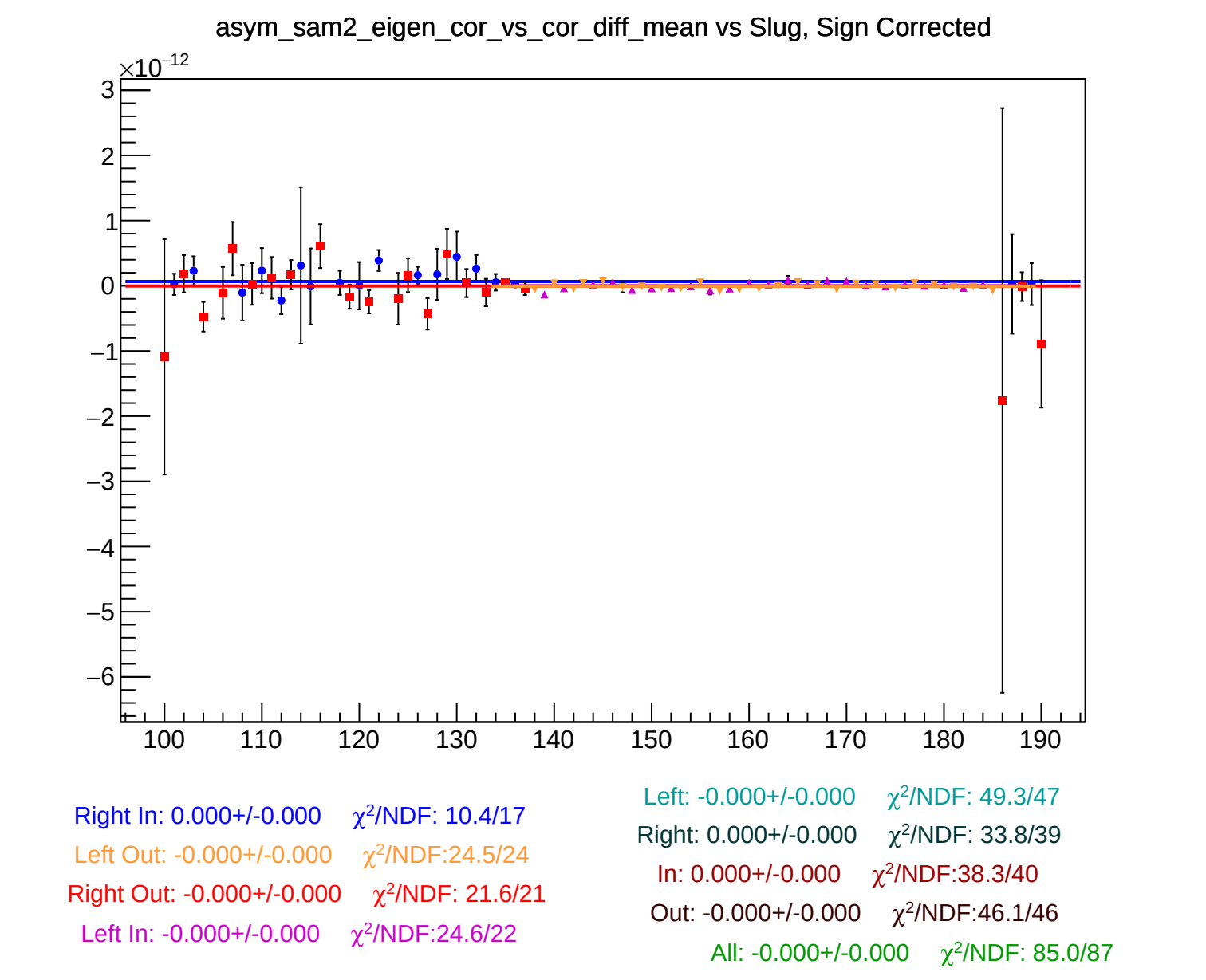
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 132.704+/-0.025 χ^2/NDF: 4336345.1/39

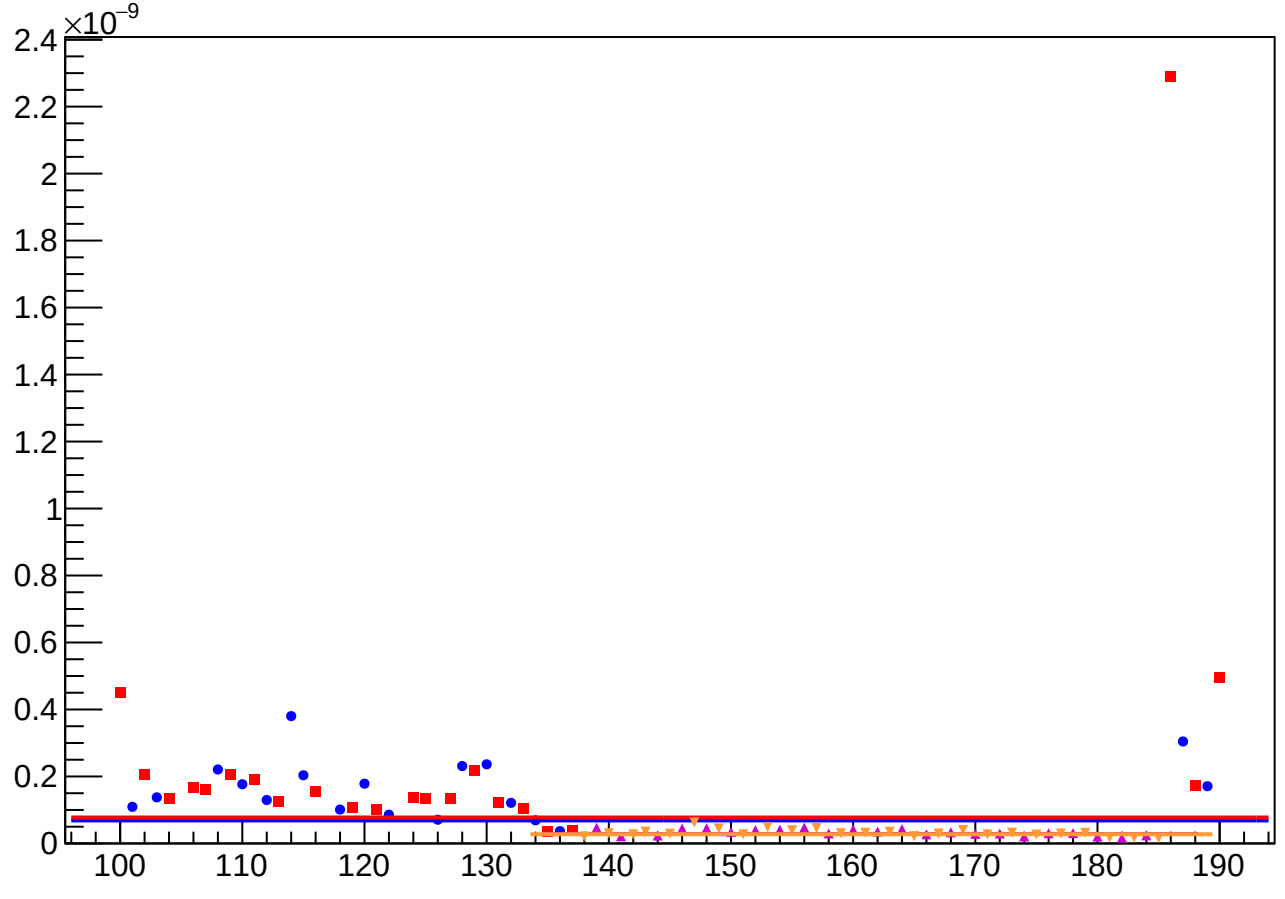
In: 125.067+/-0.018 χ^2/NDF:2725743.1/40

Out: 126.882+/-0.017 χ^2/NDF:3265960.2/46

All: 125.998+/-0.013 χ^2/NDF: 5996968.2/87


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/21
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: 33.8/39
In: 0.000+/-0.000 χ²/NDF:38.3/40
Out: -0.000+/-0.000 χ²/NDF:46.1/46
All: -0.000+/-0.000 χ²/NDF: 85.0/87

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3577461.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4896756.6/21

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

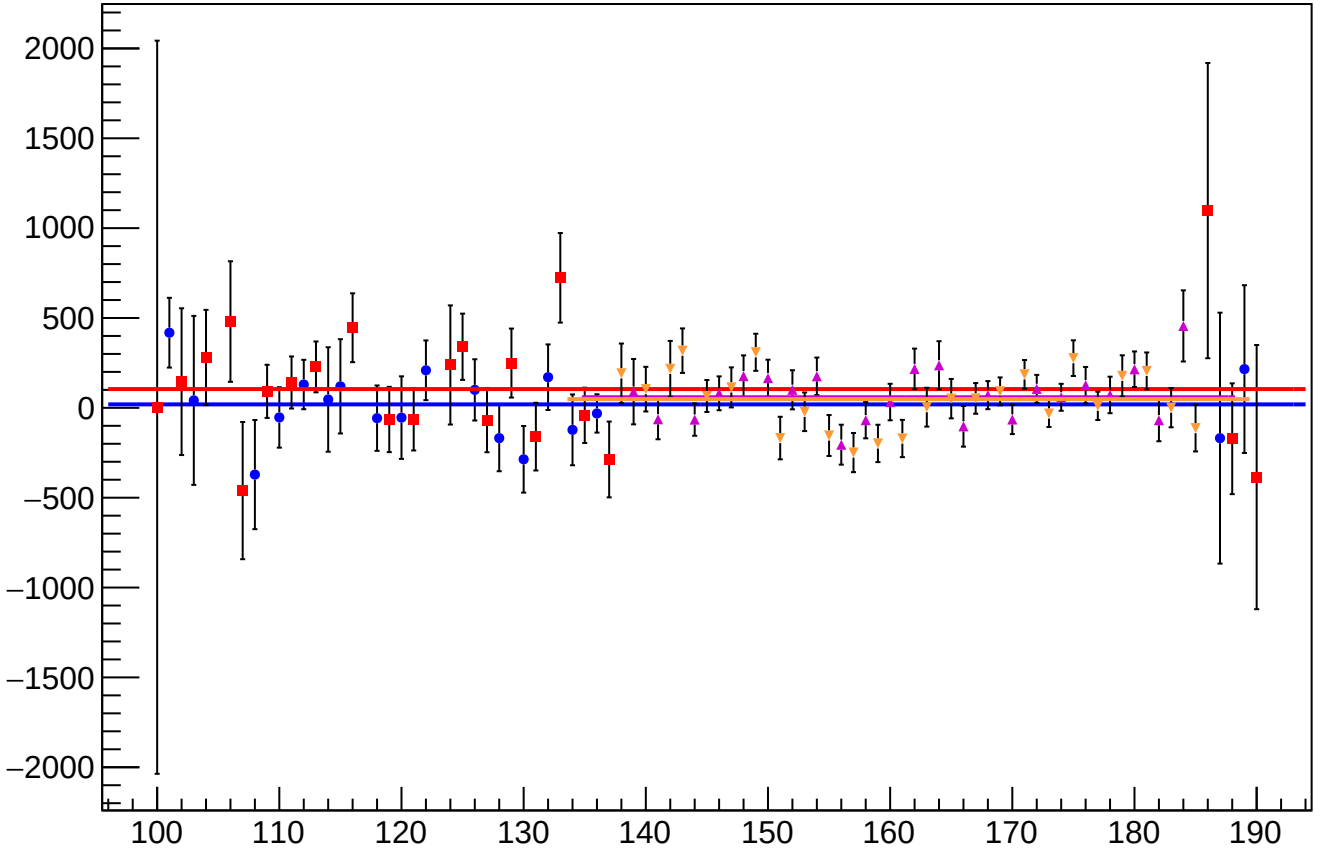
Right: 0.000+/-0.000 χ^2/NDF: 8528580.9/39

In: 0.000+/-0.000 χ^2/NDF:8198251.4/40

Out: 0.000+/-0.000 χ^2/NDF:10495867.7/46

All: 0.000+/-0.000 χ^2/NDF: 18704054.9/87

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 19.282+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 104.509+/-45.172 χ^2/NDF: 28.2/21

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

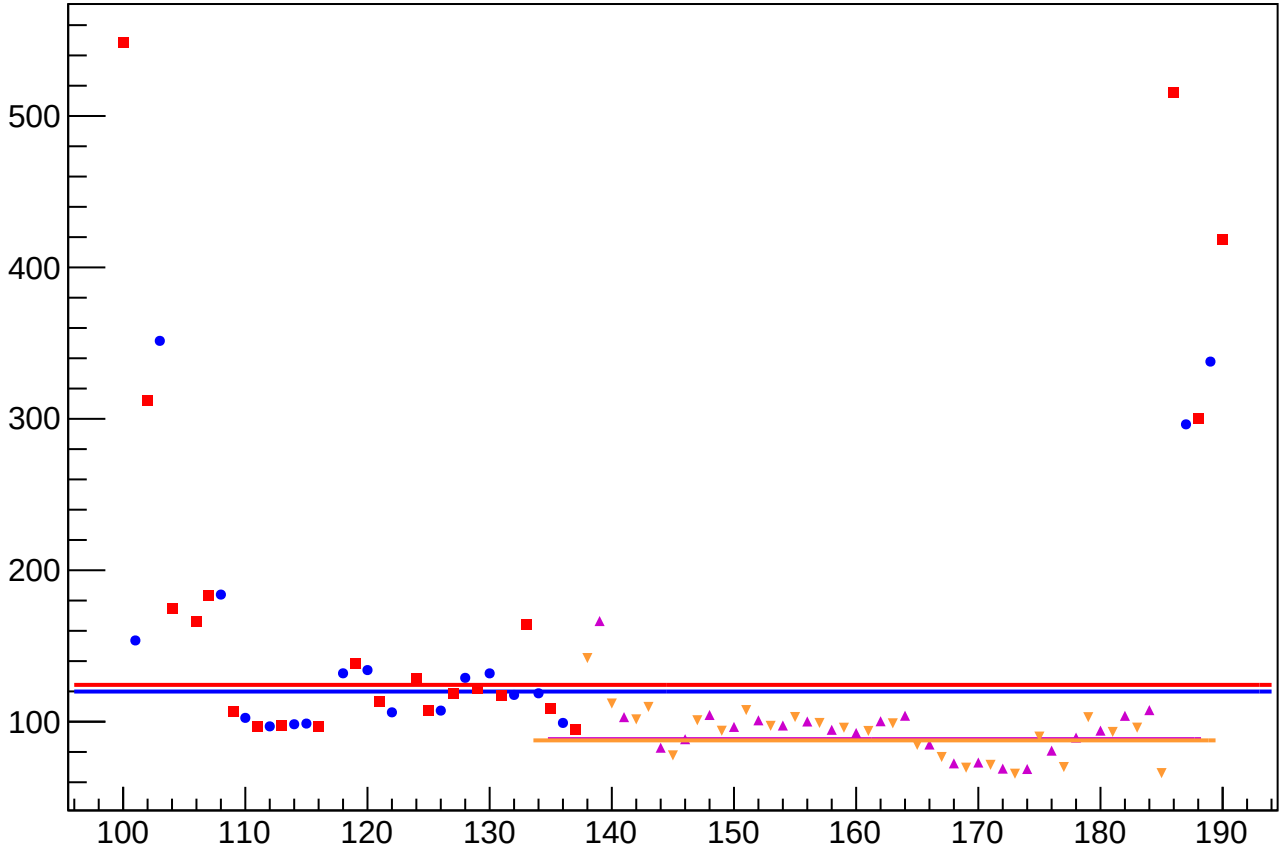
Right: 62.101+/-32.018 χ^2/NDF: 44.1/39

In: 51.923+/-19.175 χ^2/NDF:45.3/40

Out: 57.916+/-18.609 χ^2/NDF:83.0/46

All: 55.009+/-13.354 χ^2/NDF: 128.4/87

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 119.908+/-0.032 χ^2/NDF: 1429890.0/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 124.308+/-0.032 χ^2/NDF: 2454346.2/21

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

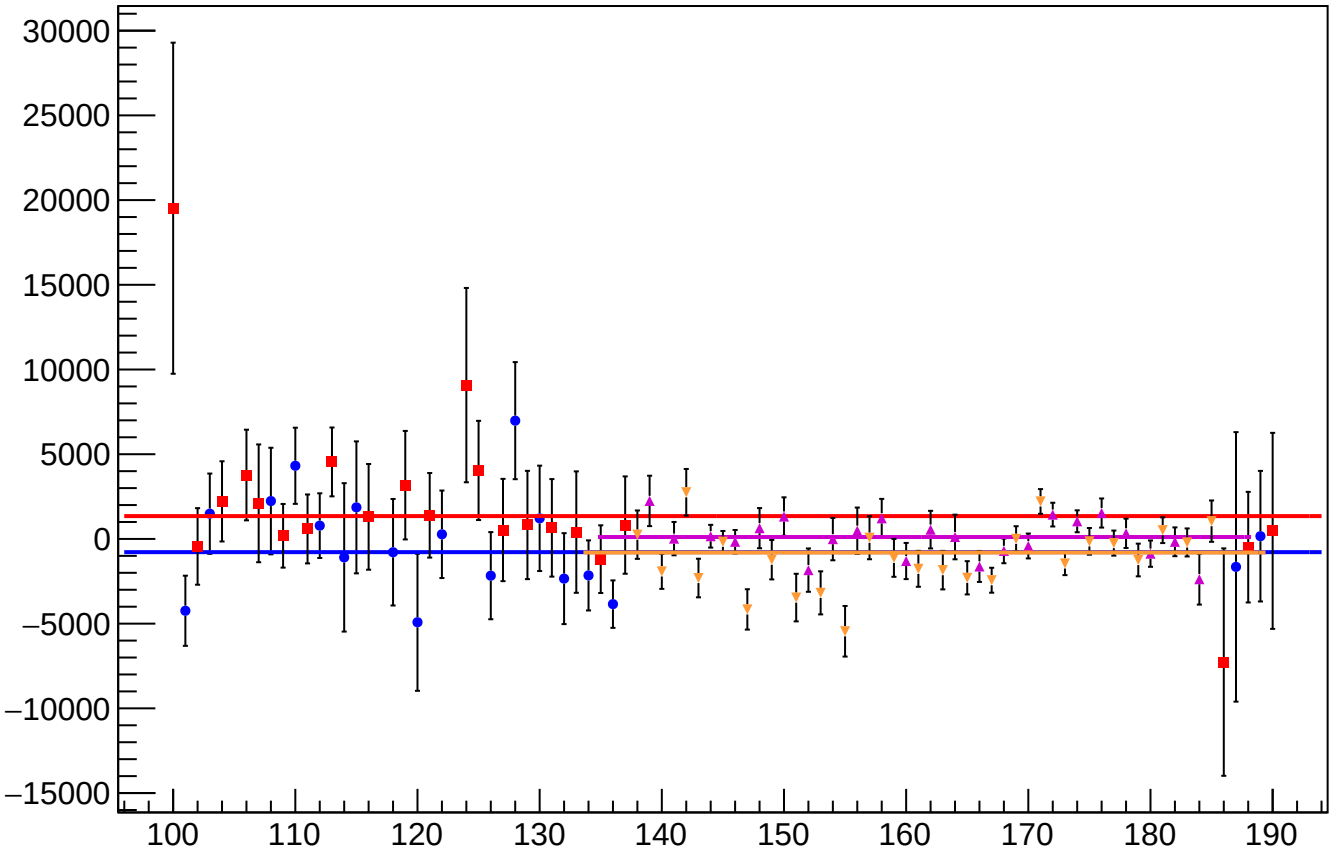
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 122.119+/-0.023 χ^2/NDF: 3893677.7/39

In: 94.091+/-0.014 χ^2/NDF:3293180.9/40

Out: 93.876+/-0.013 χ^2/NDF:4760880.2/46

All: 93.981+/-0.009 χ^2/NDF: 8054190.2/87



Right In: -780.259+/-606.516 χ^2/NDF: 23.5/17

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1347.540+/-596.944 χ^2/NDF: 14.9/21

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

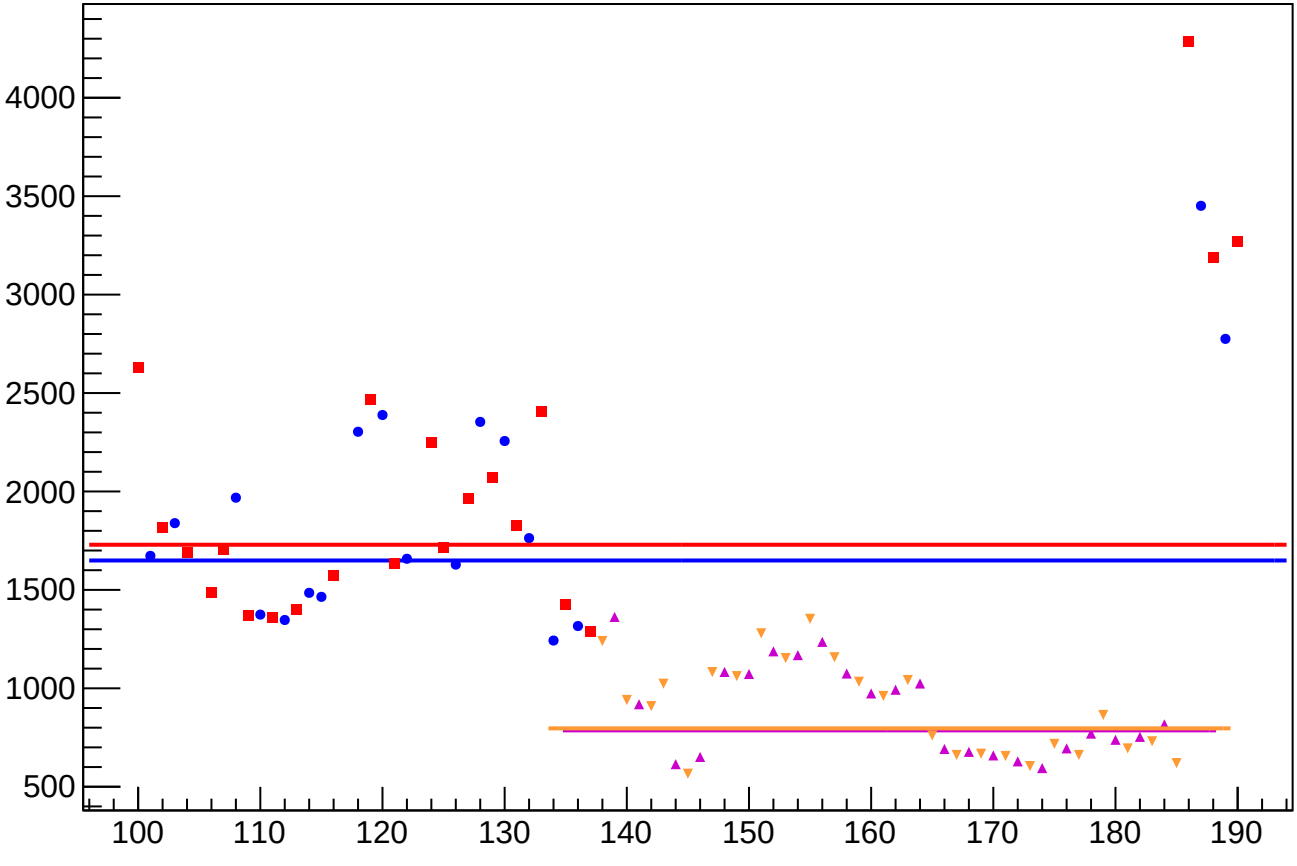
Right: 300.563+/-425.447 χ^2/NDF: 44.7/39

In: 32.497+/-181.546 χ^2/NDF:52.6/40

Out: -608.045+/-179.105 χ^2/NDF:98.6/46

All: -292.109+/-127.501 χ^2/NDF: 157.5/87

asym_sam3_reg_correction_rms vs Slug, Sign Corrected



Right In: 1649.353+/-0.429 χ^2/NDF: 900684.8/17

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1729.346+/-0.422 χ^2/NDF: 1394951.2/21

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

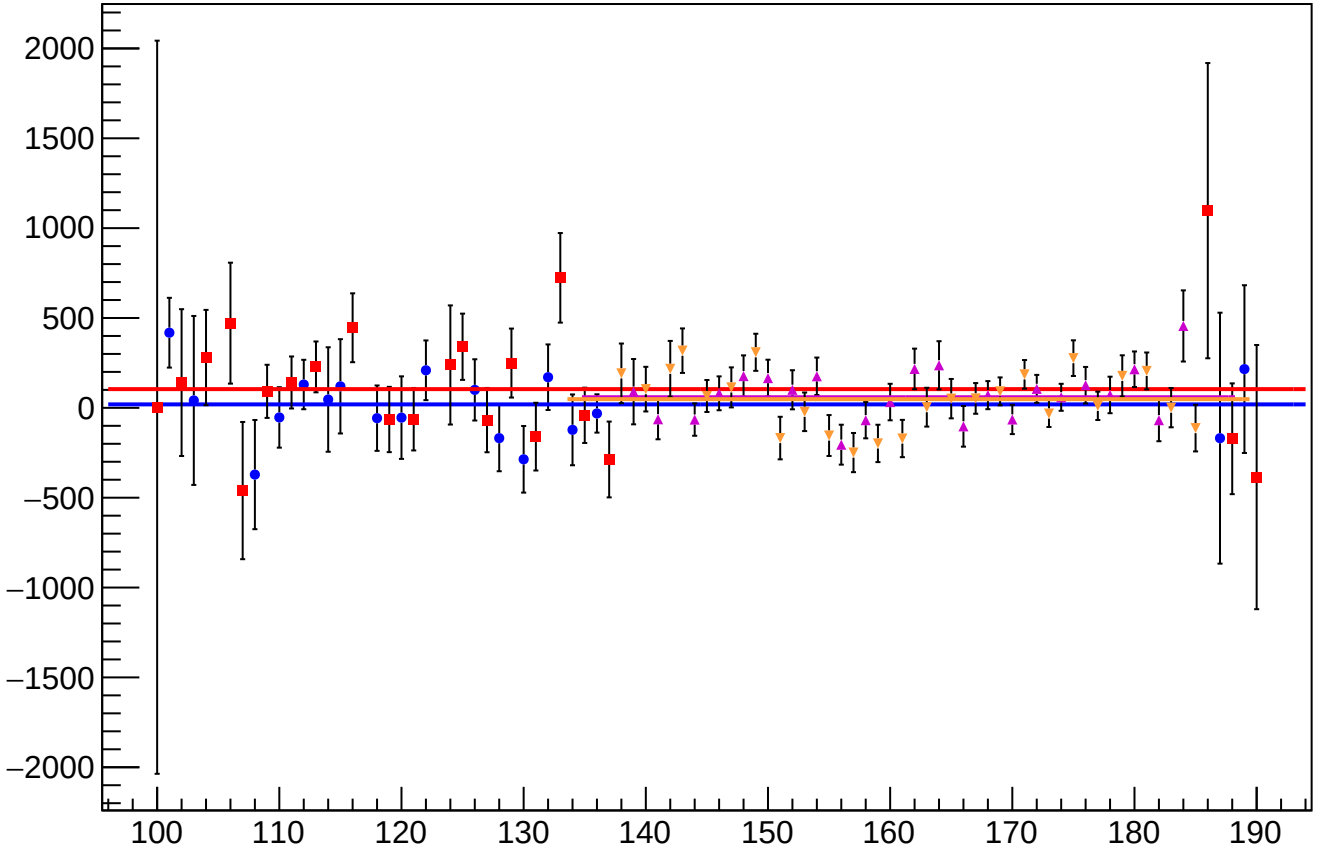
Right: 1689.986+/-0.301 χ^2/NDF: 2313307.3/39

In: 863.659+/-0.128 χ^2/NDF:6743811.4/40

Out: 880.498+/-0.127 χ^2/NDF:8256998.4/46

All: 872.192+/-0.090 χ^2/NDF: 15009529.8/87

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 19.269+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 104.232+/-45.175 χ^2/NDF: 28.1/21

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

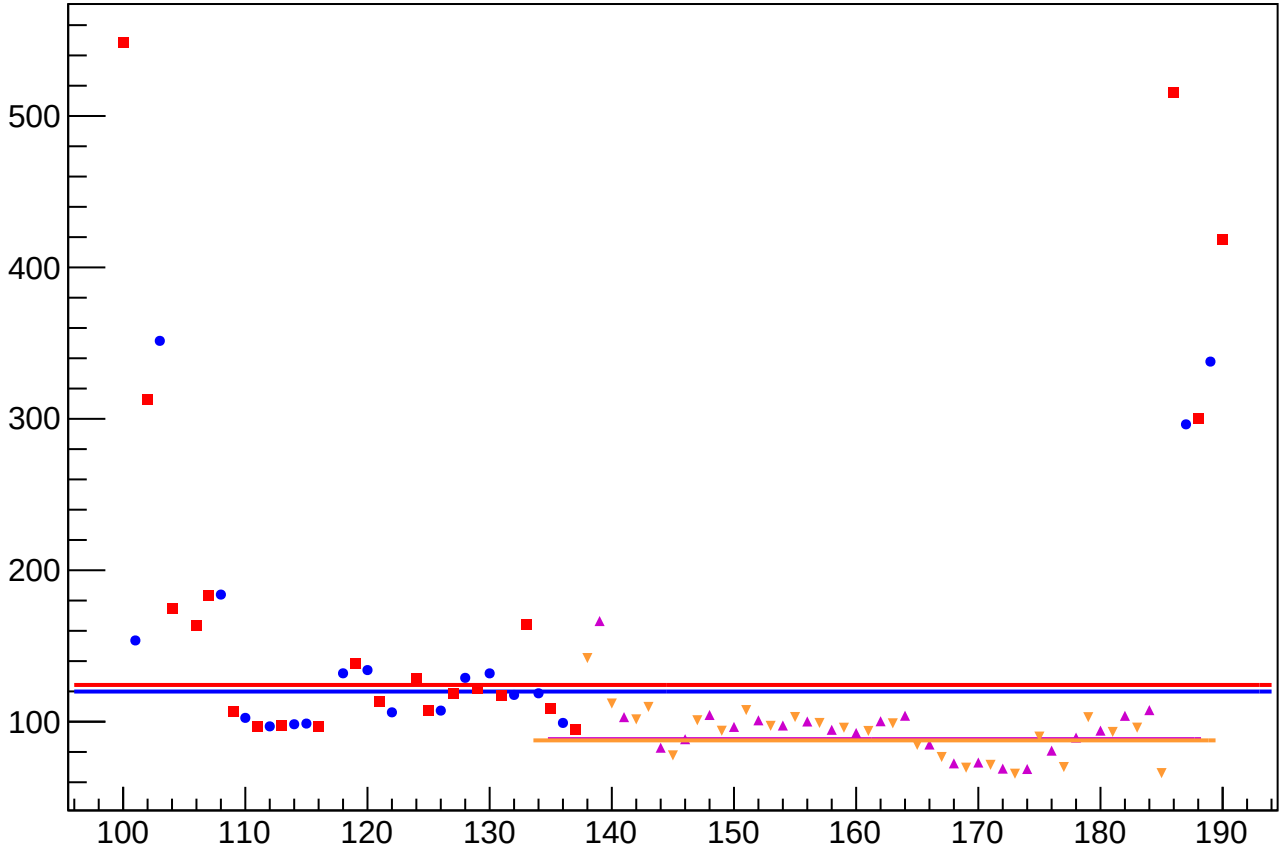
Right: 61.953+/-32.019 χ^2/NDF: 44.0/39

In: 51.923+/-19.175 χ^2/NDF:45.3/40

Out: 57.874+/-18.610 χ^2/NDF:82.9/46

All: 54.987+/-13.355 χ^2/NDF: 128.3/87

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 119.908+/-0.032 χ^2/NDF: 1429892.1/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 124.259+/-0.032 χ^2/NDF: 2450763.9/21

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

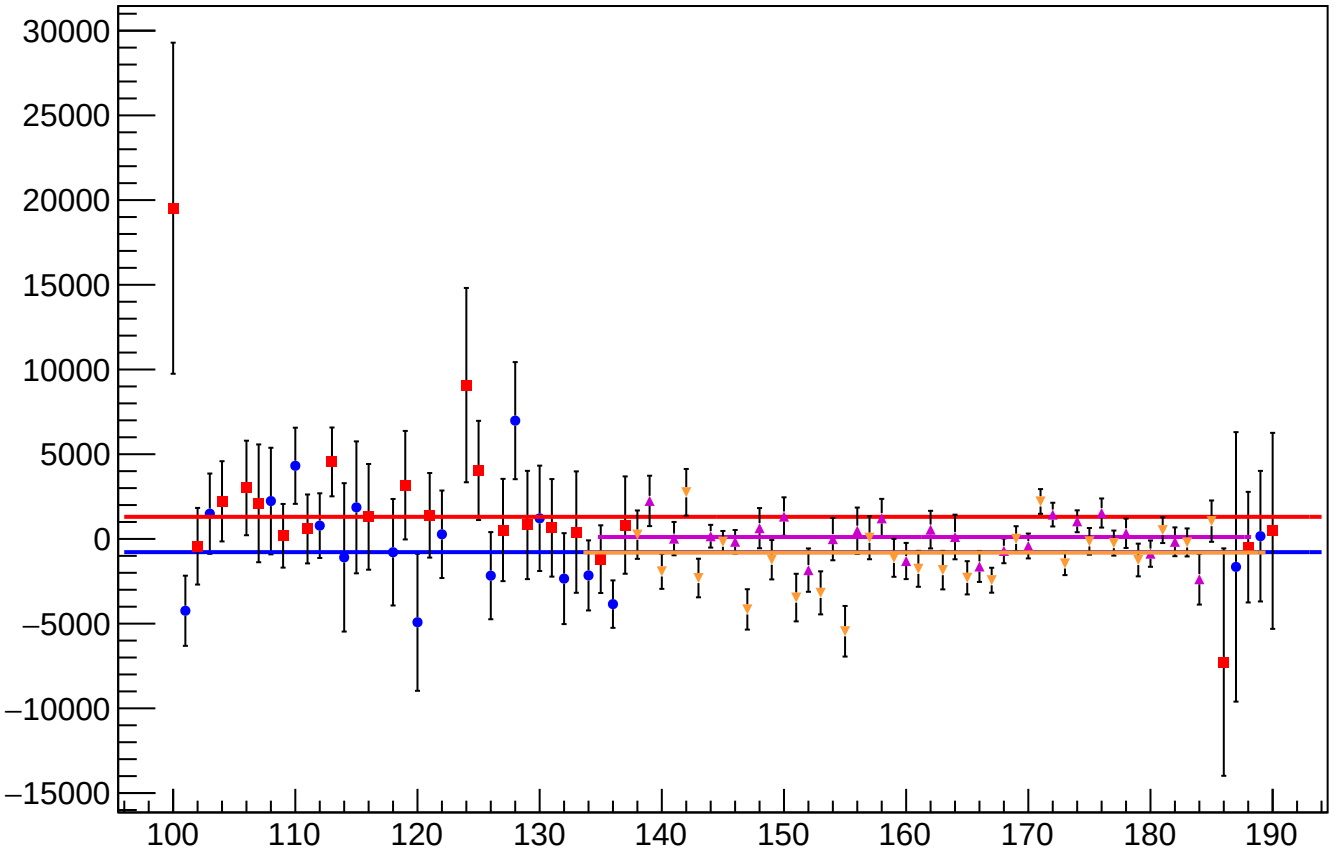
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 122.094+/-0.023 χ^2/NDF: 3889885.6/39

In: 94.091+/-0.014 χ^2/NDF:3293182.5/40

Out: 93.867+/-0.013 χ^2/NDF:4754229.9/46

All: 93.976+/-0.009 χ^2/NDF: 8047552.6/87



Right In: -780.242+/-606.520 χ^2/NDF: 23.5/17

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1303.835+/-598.186 χ^2/NDF: 14.5/21

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

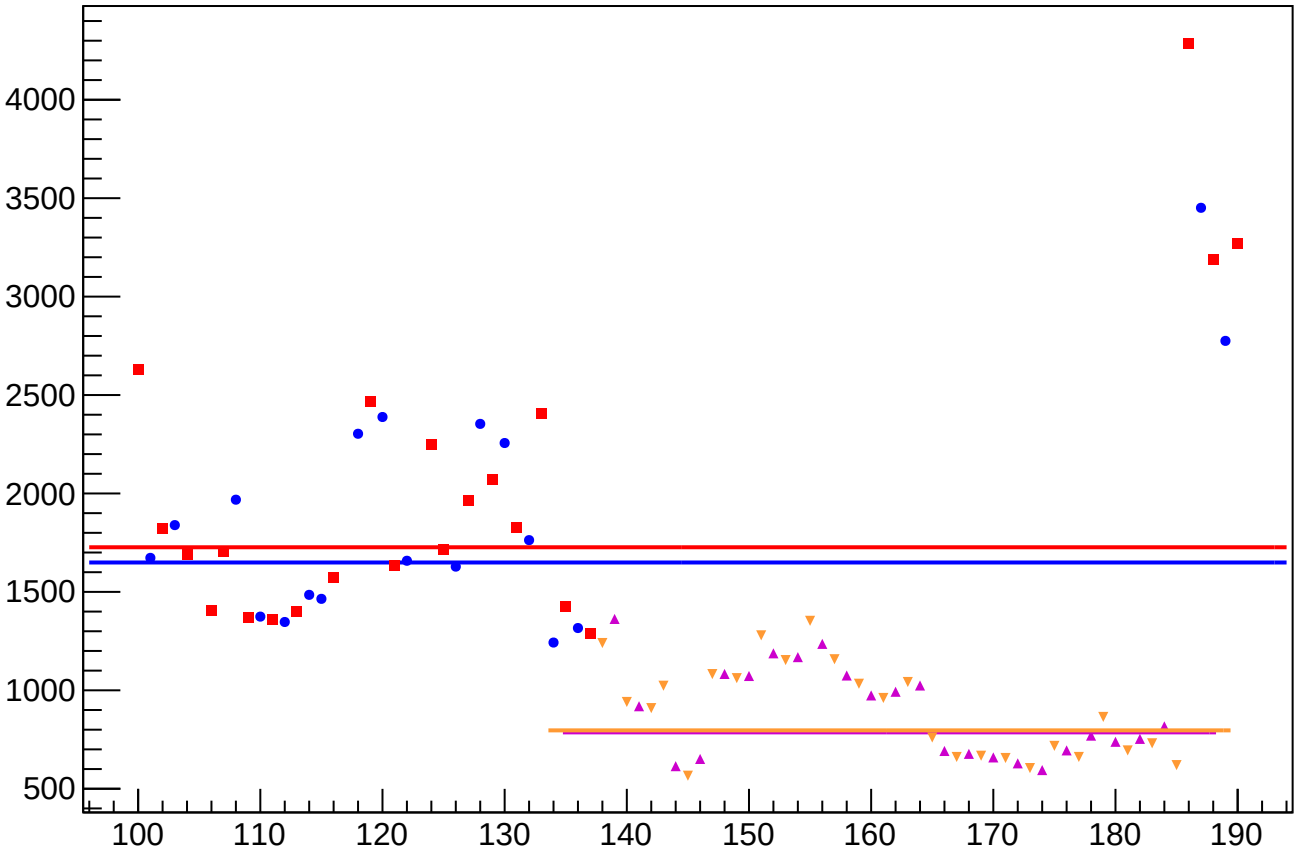
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 276.213+/-425.898 χ^2/NDF: 44.0/39

In: 32.501+/-181.546 χ^2/NDF:52.6/40

Out: -612.689+/-179.138 χ^2/NDF:97.6/46

All: -294.400+/-127.513 χ^2/NDF: 156.6/87



Right In: 1649.363+/-0.429 χ^2/NDF: 900710.4/17

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1726.693+/-0.423 χ^2/NDF: 1405455.1/21

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

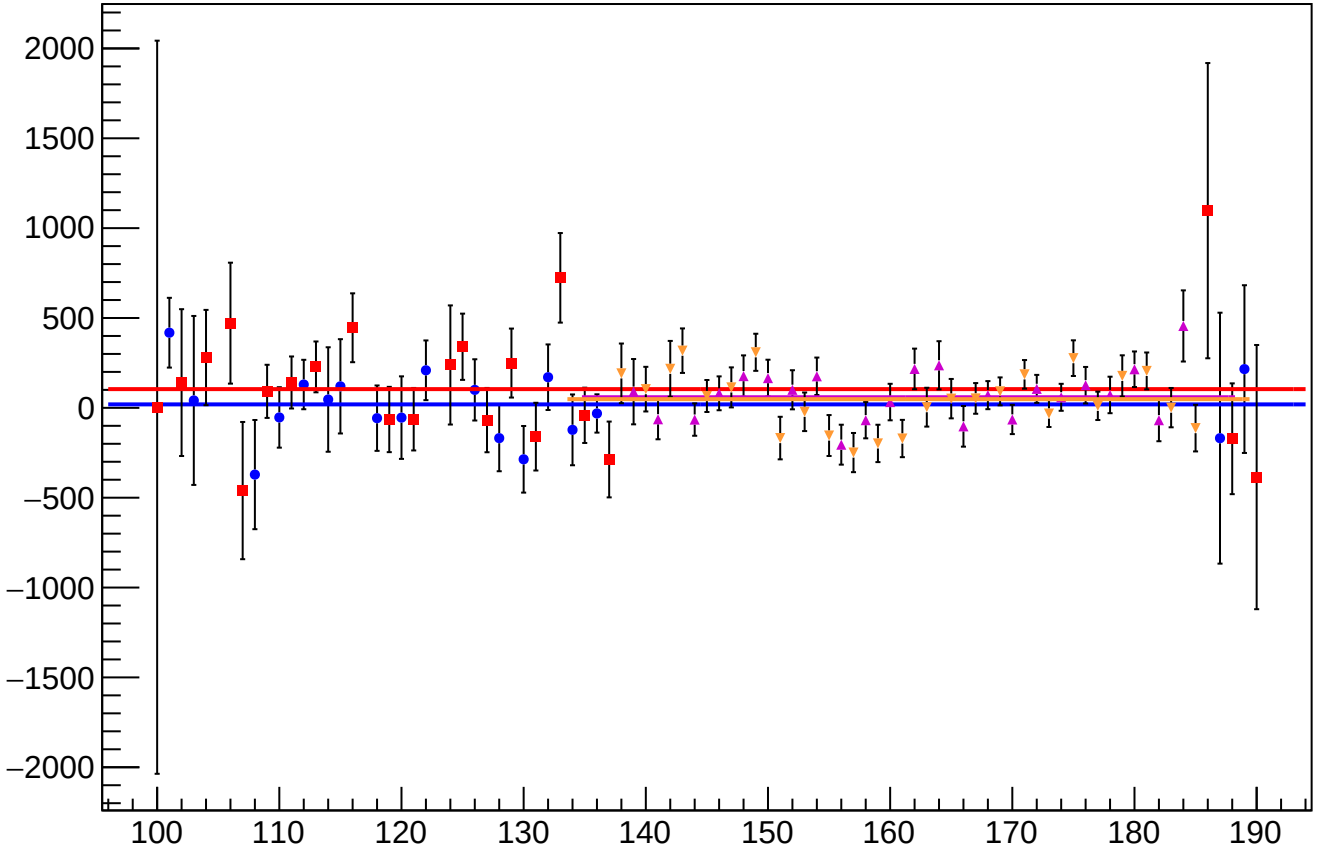
Right: 1688.563+/-0.301 χ^2/NDF: 2322646.1/39

In: 863.658+/-0.128 χ^2/NDF:6743868.3/40

Out: 879.943+/-0.127 χ^2/NDF:8225569.9/46

All: 871.909+/-0.090 χ^2/NDF: 14977591.2/87

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 19.269+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 104.232+/-45.175 χ^2/NDF: 28.1/21

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

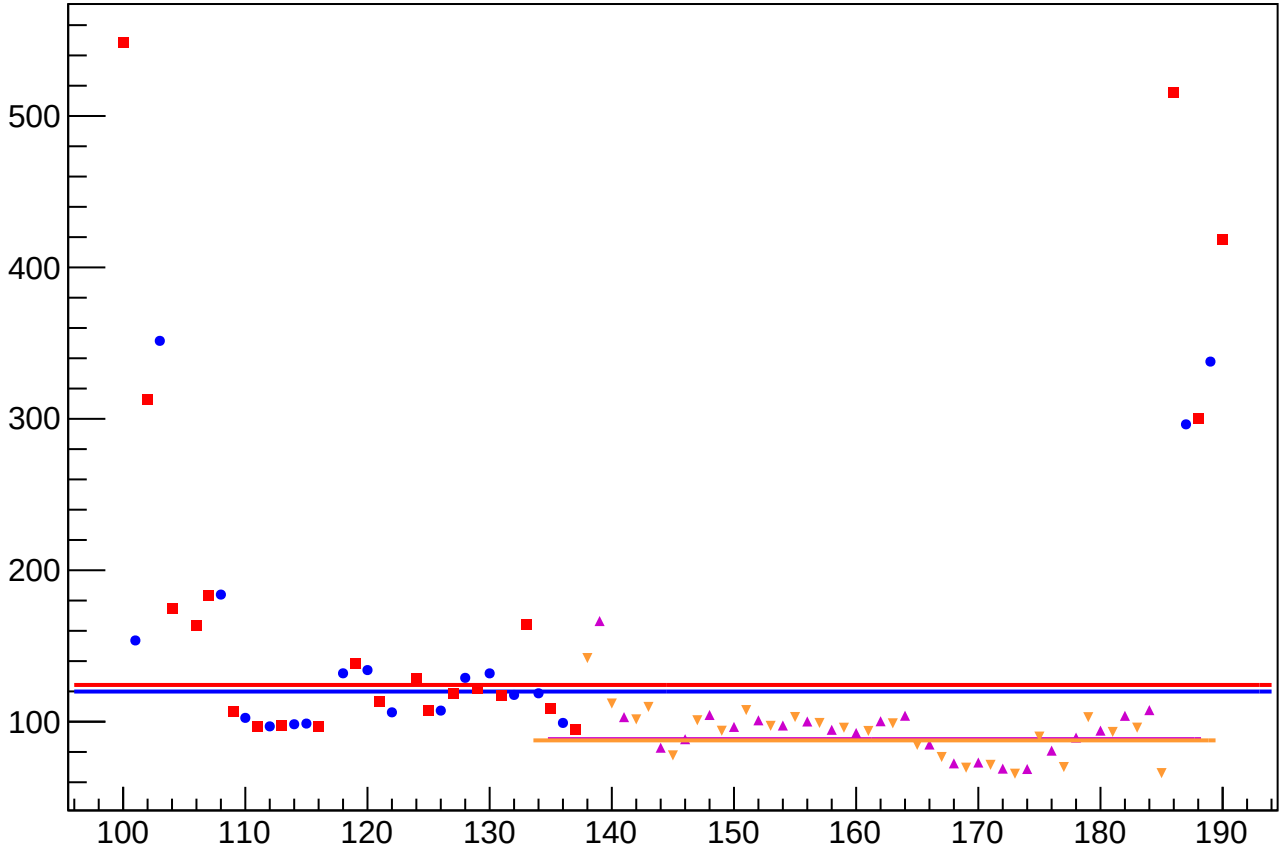
Right: 61.953+/-32.019 χ^2/NDF: 44.0/39

In: 51.923+/-19.175 χ^2/NDF:45.3/40

Out: 57.874+/-18.610 χ^2/NDF:82.9/46

All: 54.987+/-13.355 χ^2/NDF: 128.3/87

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 119.908+/-0.032 χ^2/NDF: 1429892.1/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 124.259+/-0.032 χ^2/NDF: 2450763.9/21

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

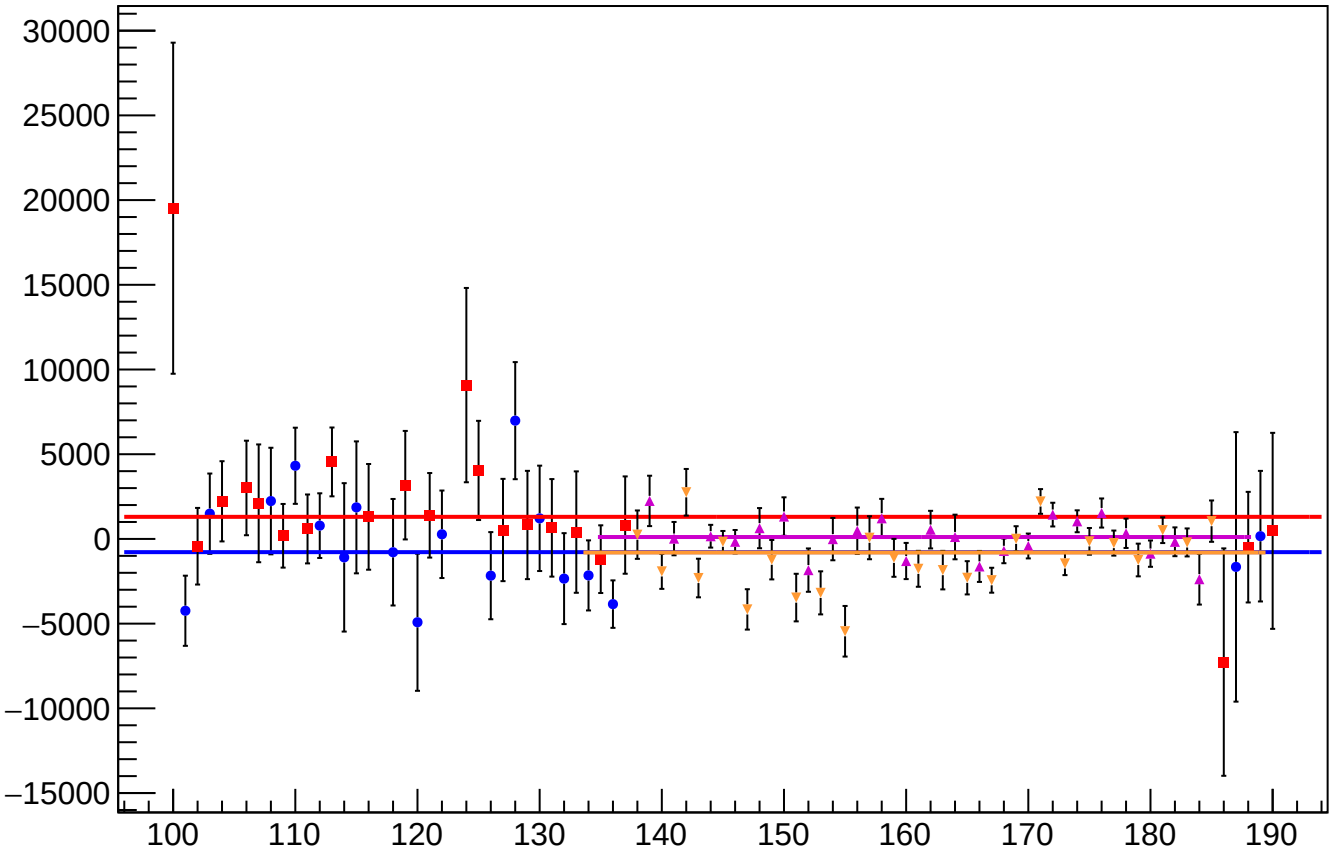
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 122.094+/-0.023 χ^2/NDF: 3889885.6/39

In: 94.091+/-0.014 χ^2/NDF:3293182.5/40

Out: 93.867+/-0.013 χ^2/NDF:4754229.9/46

All: 93.976+/-0.009 χ^2/NDF: 8047552.6/87



Right In: -780.242+/-606.520 χ^2/NDF: 23.5/17

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1303.835+/-598.186 χ^2/NDF: 14.5/21

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

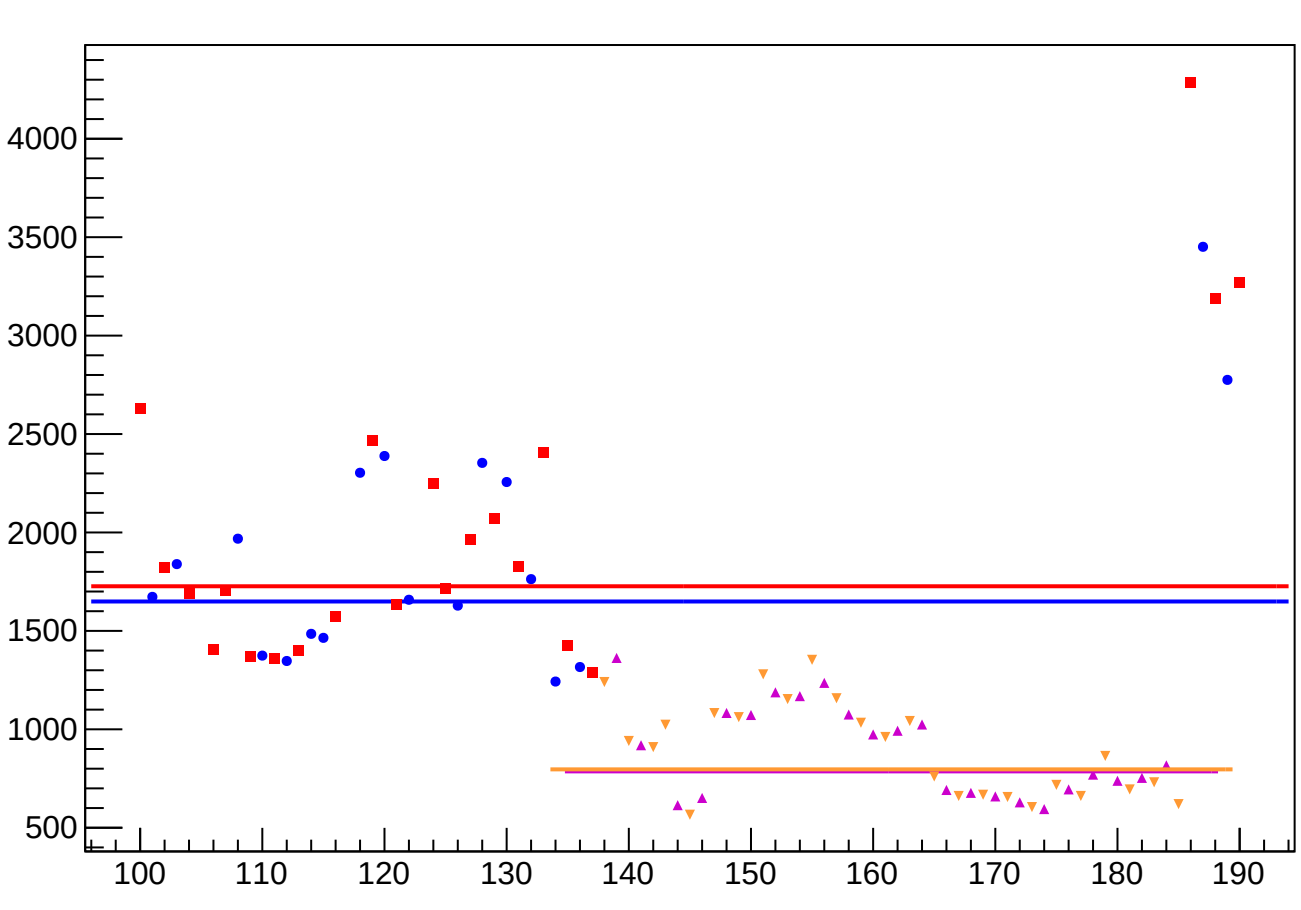
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 276.213+/-425.898 χ^2/NDF: 44.0/39

In: 32.501+/-181.546 χ^2/NDF:52.6/40

Out: -612.689+/-179.138 χ^2/NDF:97.6/46

All: -294.400+/-127.513 χ^2/NDF: 156.6/87



Right In: 1649.363+/-0.429 χ^2/NDF: 900710.4/17

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1726.693+/-0.423 χ^2/NDF: 1405455.1/21

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

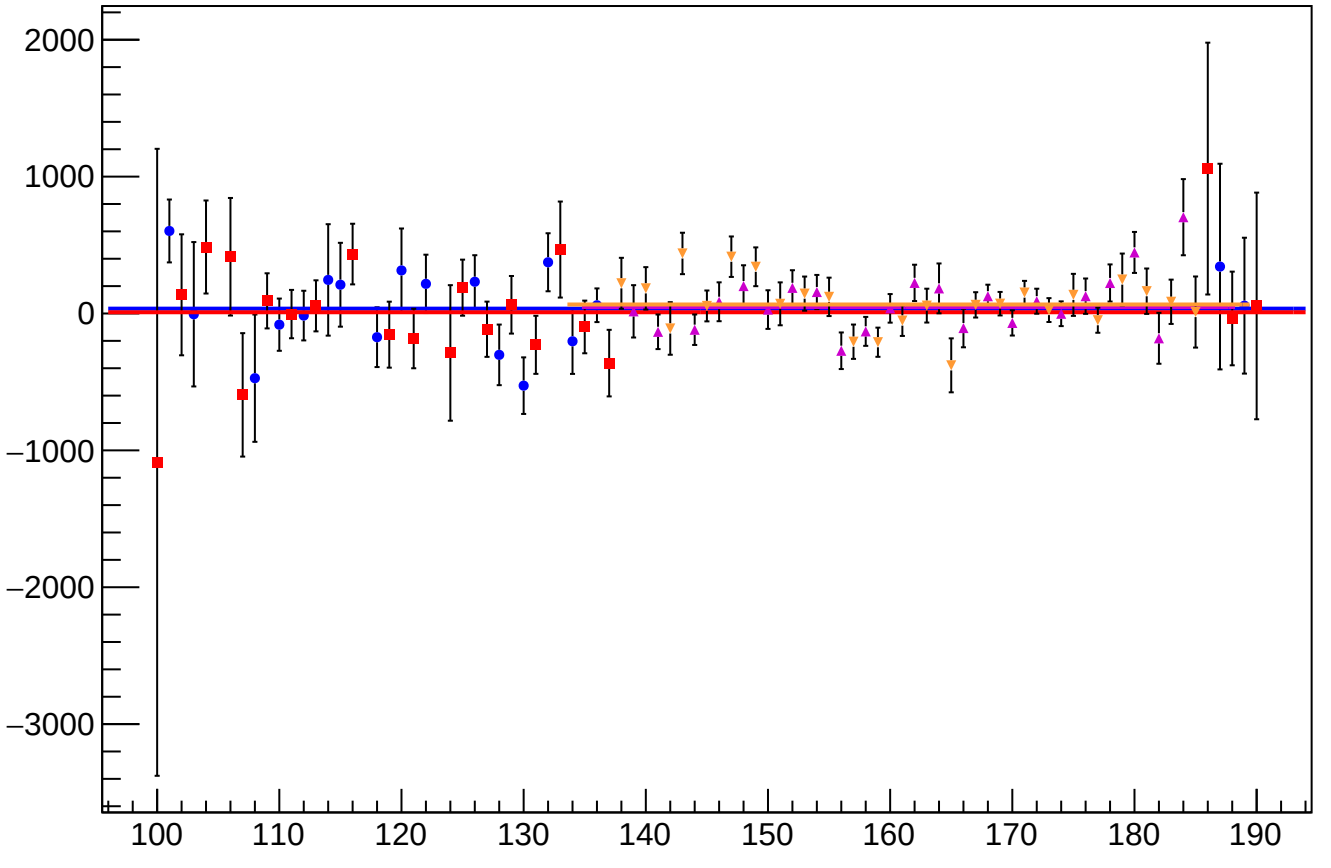
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1688.563+/-0.301 χ^2/NDF: 2322646.1/39

In: 863.658+/-0.128 χ^2/NDF:6743868.3/40

Out: 879.943+/-0.127 χ^2/NDF:8225569.9/46

All: 871.909+/-0.090 χ^2/NDF: 14977591.2/87



Right In: 35.380+/-54.431 χ^2/NDF: 25.3/17

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 9.002+/-55.129 χ^2/NDF: 18.6/21

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

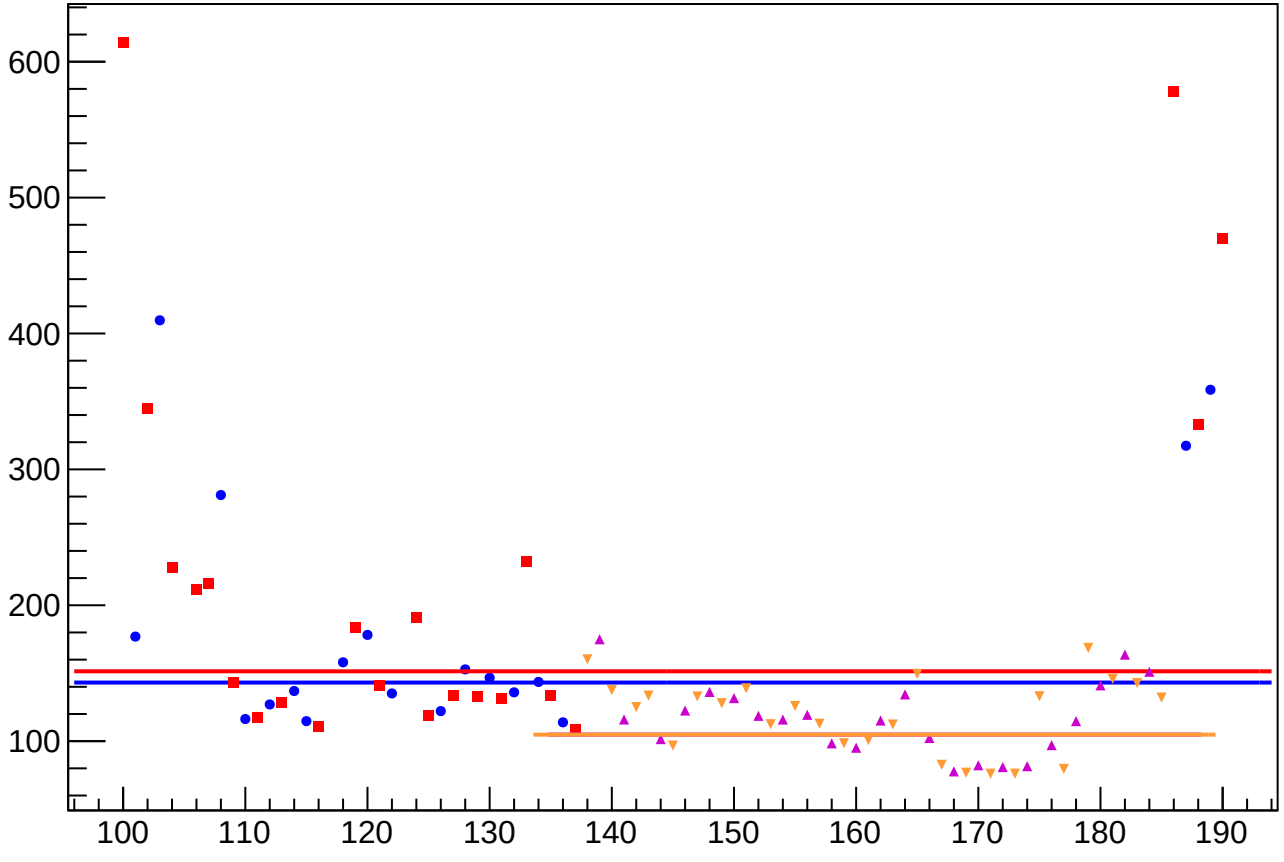
Right: 22.359+/-38.733 χ^2/NDF: 44.1/39

In: 44.914+/-23.237 χ^2/NDF:64.0/40

Out: 55.993+/-22.813 χ^2/NDF:59.6/46

All: 50.555+/-16.279 χ^2/NDF: 123.7/87

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 143.134+/-0.038 χ^2/NDF: 1469701.6/17

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 151.410+/-0.039 χ^2/NDF: 2447200.9/21

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

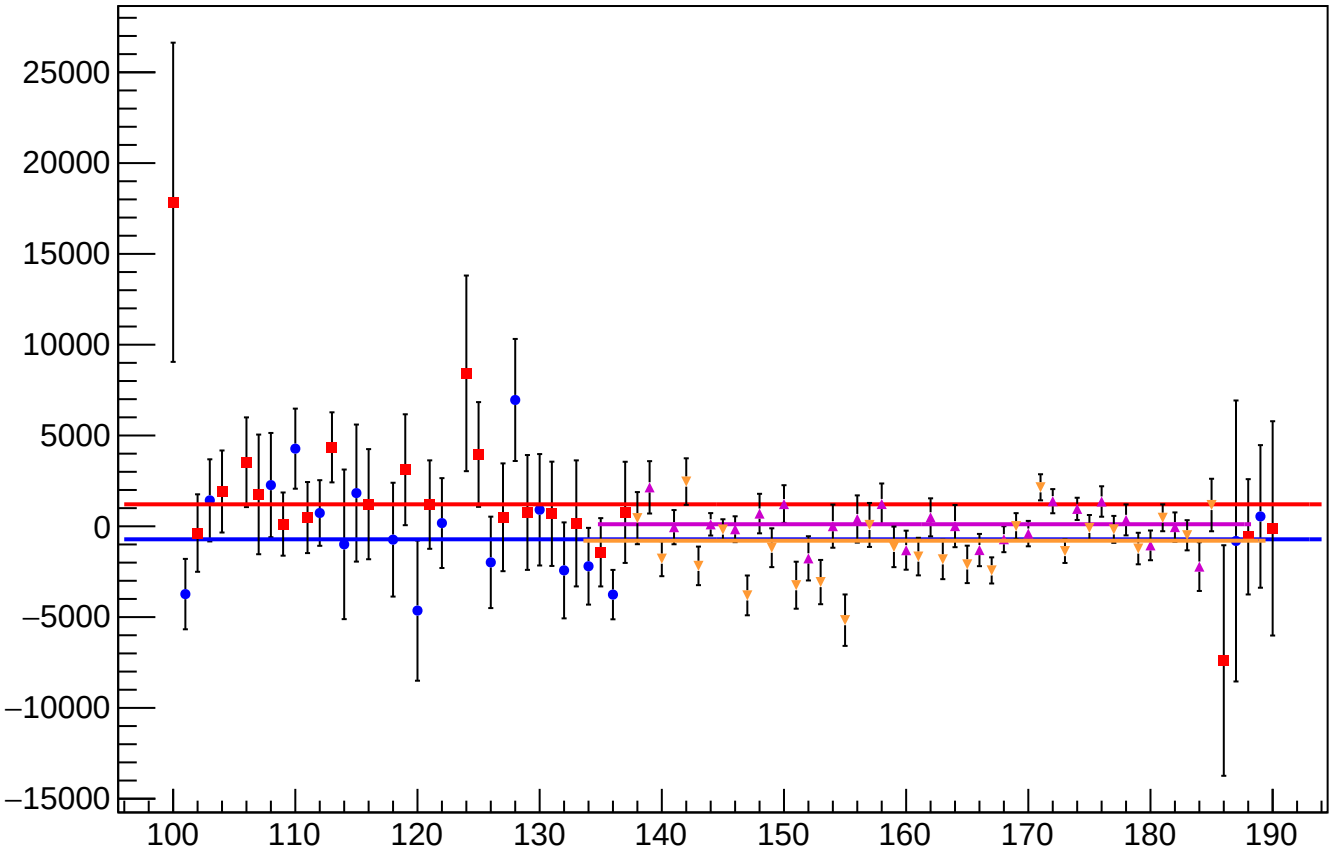
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 147.220+/-0.027 χ^2/NDF: 3939725.3/39

In: 111.815+/-0.016 χ^2/NDF:3893924.5/40

Out: 112.790+/-0.016 χ^2/NDF:5874346.7/46

All: 112.311+/-0.012 χ^2/NDF: 9770065.2/87



Right In: -716.211+/-587.366 χ^2/NDF: 23.6/17

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1210.634+/-571.033 χ^2/NDF: 15.8/21

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

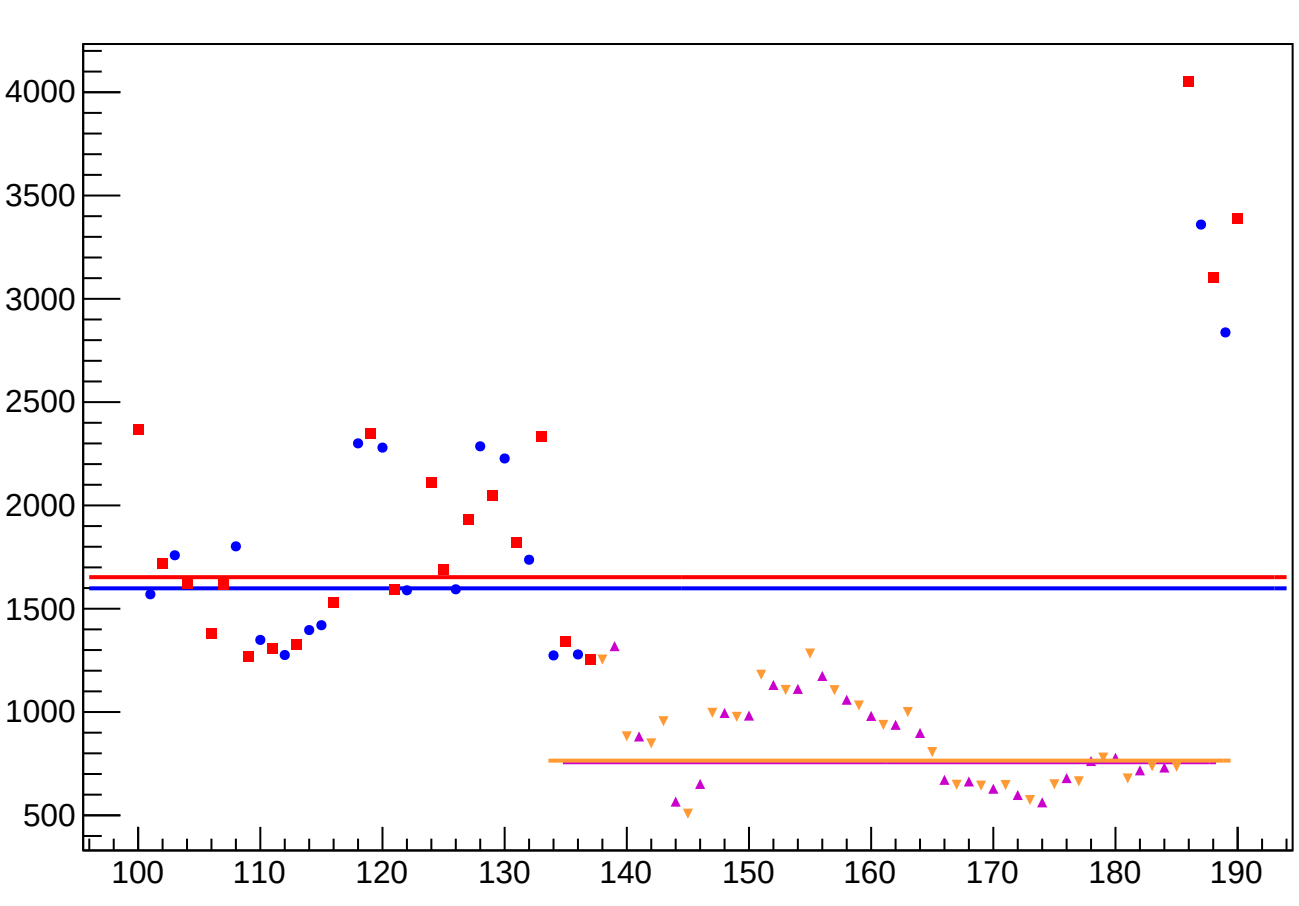
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 274.374+/-409.434 χ^2/NDF: 44.9/39

In: 40.158+/-174.826 χ^2/NDF:51.7/40

Out: -612.161+/-171.583 χ^2/NDF:97.0/46

All: -292.107+/-122.458 χ^2/NDF: 155.8/87



Right In: 1598.703+/-0.415 χ^2/NDF: 915427.2/17

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1652.776+/-0.404 χ^2/NDF: 1484909.8/21

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

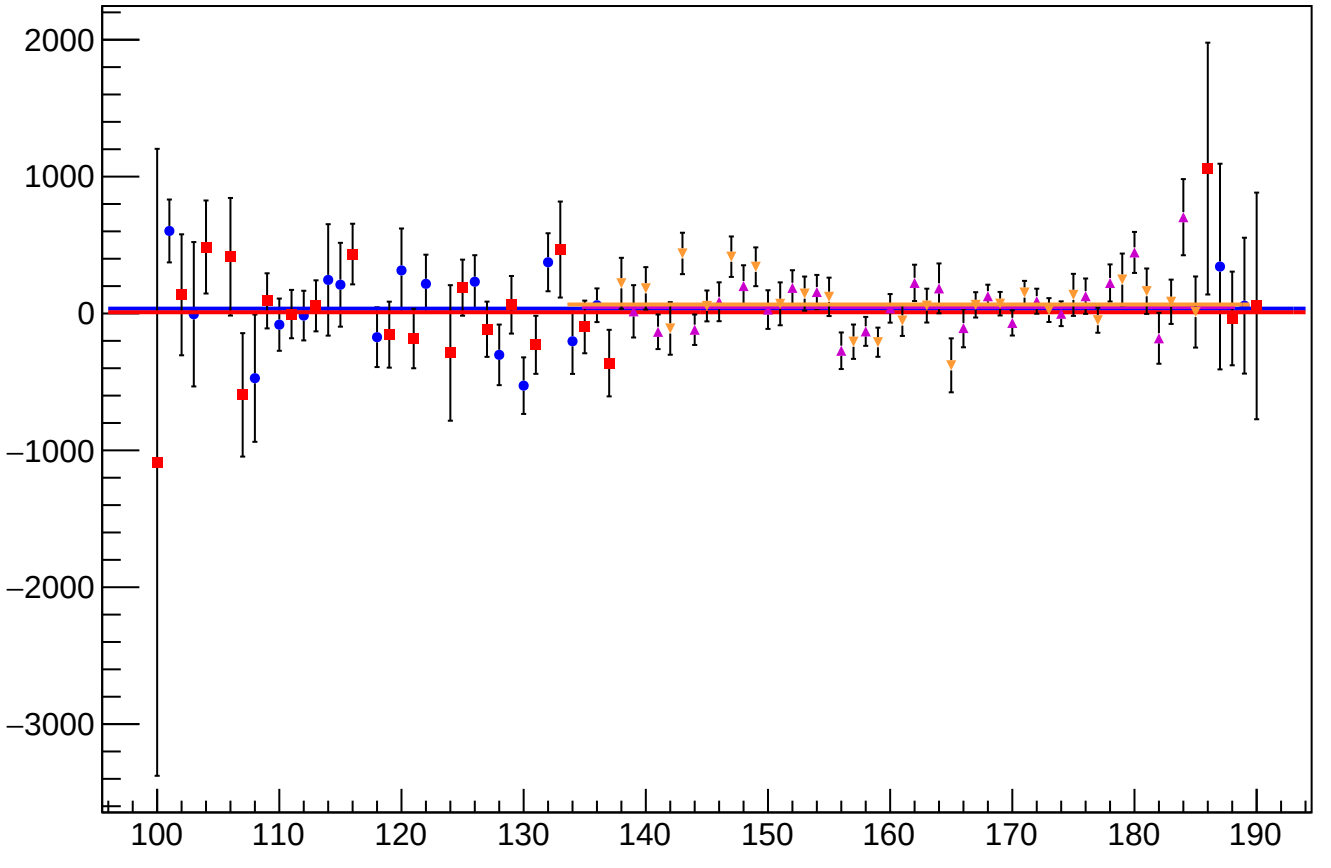
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1626.502+/-0.290 χ^2/NDF: 2409050.9/39

In: 831.501+/-0.124 χ^2/NDF:6774564.9/40

Out: 844.913+/-0.121 χ^2/NDF:8310731.4/46

All: 838.333+/-0.087 χ^2/NDF: 15091291.9/87



Right In: 35.378+/-54.431 χ^2/NDF: 25.3/17

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.998+/-55.129 χ^2/NDF: 18.6/21

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

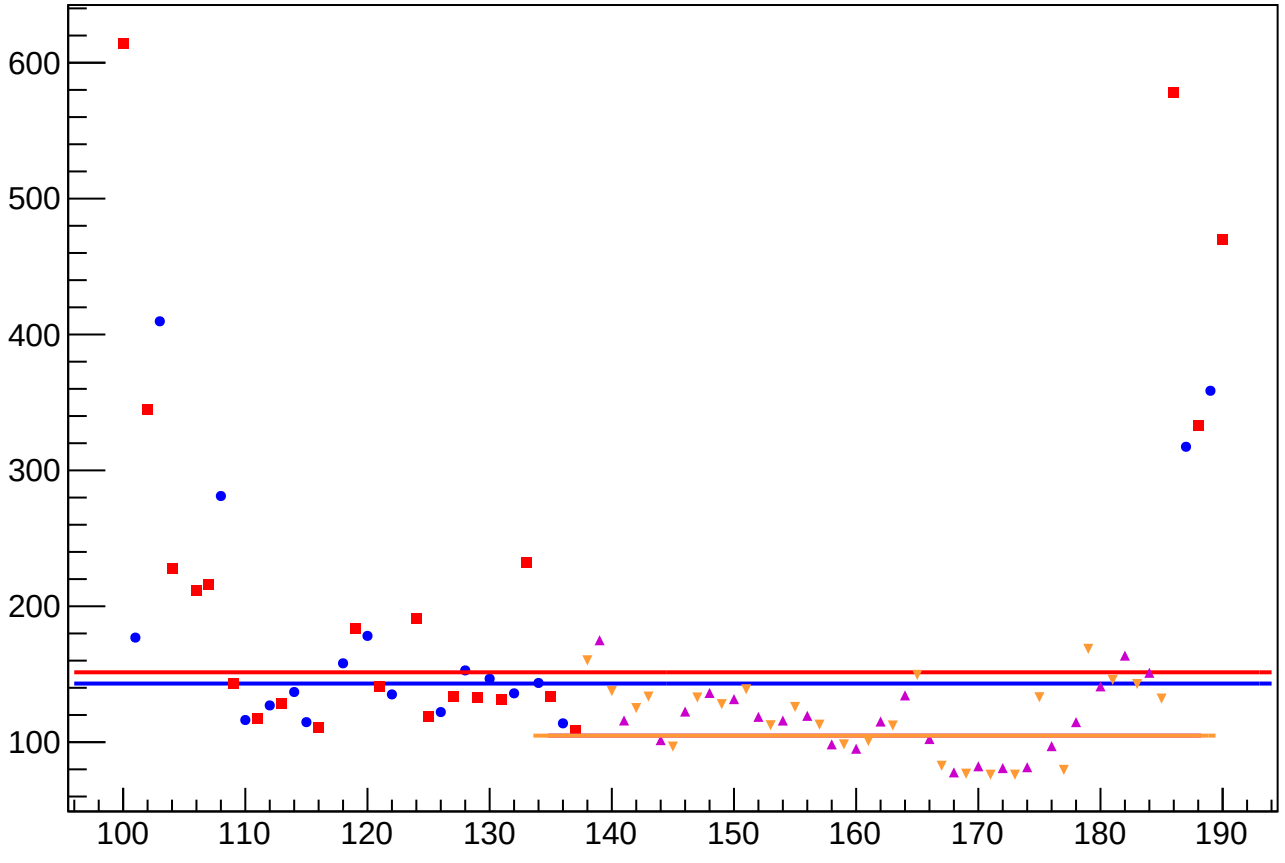
Right: 22.356+/-38.733 χ^2/NDF: 44.1/39

In: 44.913+/-23.237 χ^2/NDF:64.0/40

Out: 55.993+/-22.813 χ^2/NDF:59.6/46

All: 50.555+/-16.279 χ^2/NDF: 123.7/87

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 143.135+/-0.038 χ^2/NDF: 1469703.7/17

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 151.411+/-0.039 χ^2/NDF: 2447208.6/21

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

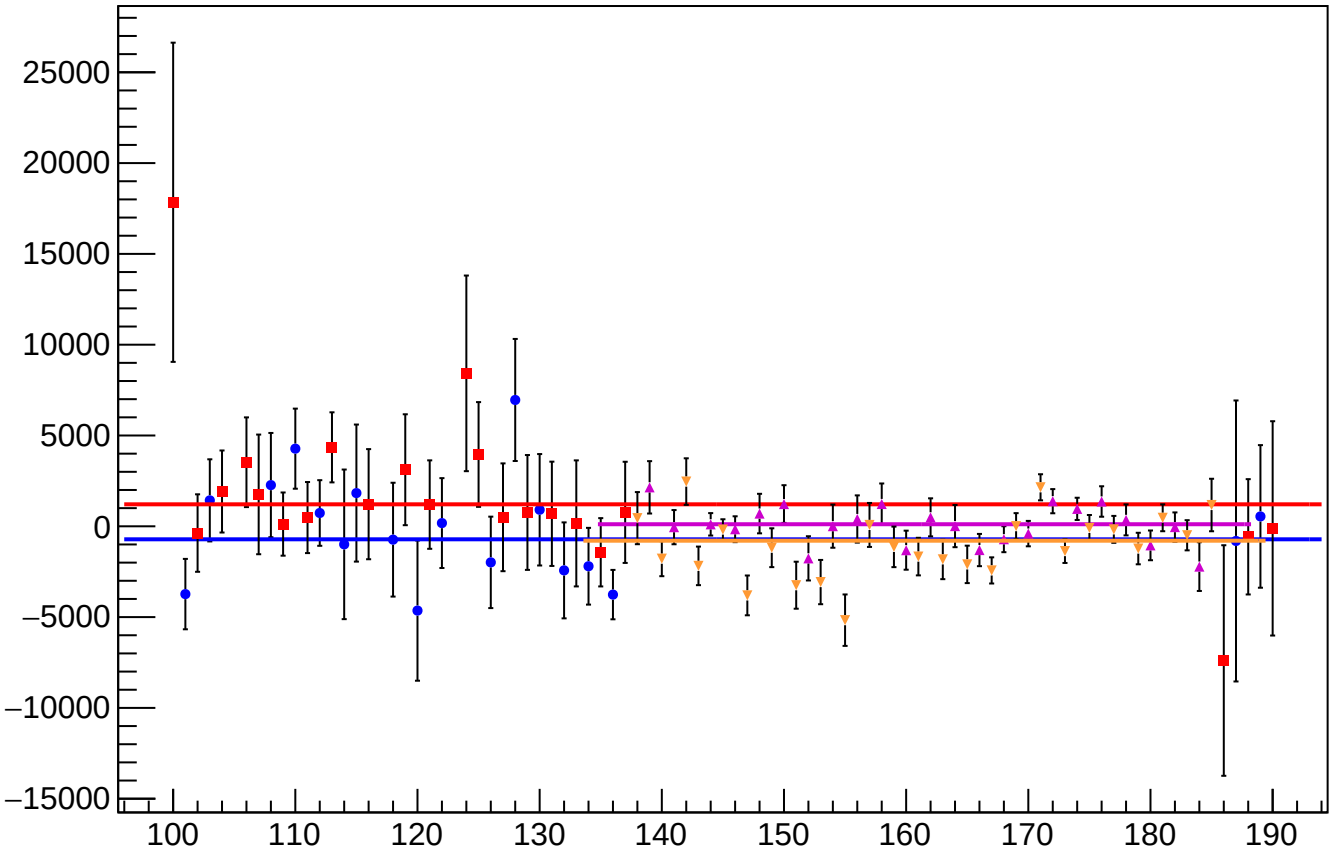
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 147.220+/-0.027 χ^2/NDF: 3939736.2/39

In: 111.815+/-0.016 χ^2/NDF:3893930.2/40

Out: 112.790+/-0.016 χ^2/NDF:5874375.0/46

All: 112.312+/-0.012 χ^2/NDF: 9770099.5/87



Right In: -716.209+/-587.365 χ^2/NDF: 23.6/17

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1210.633+/-571.032 χ^2/NDF: 15.8/21

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

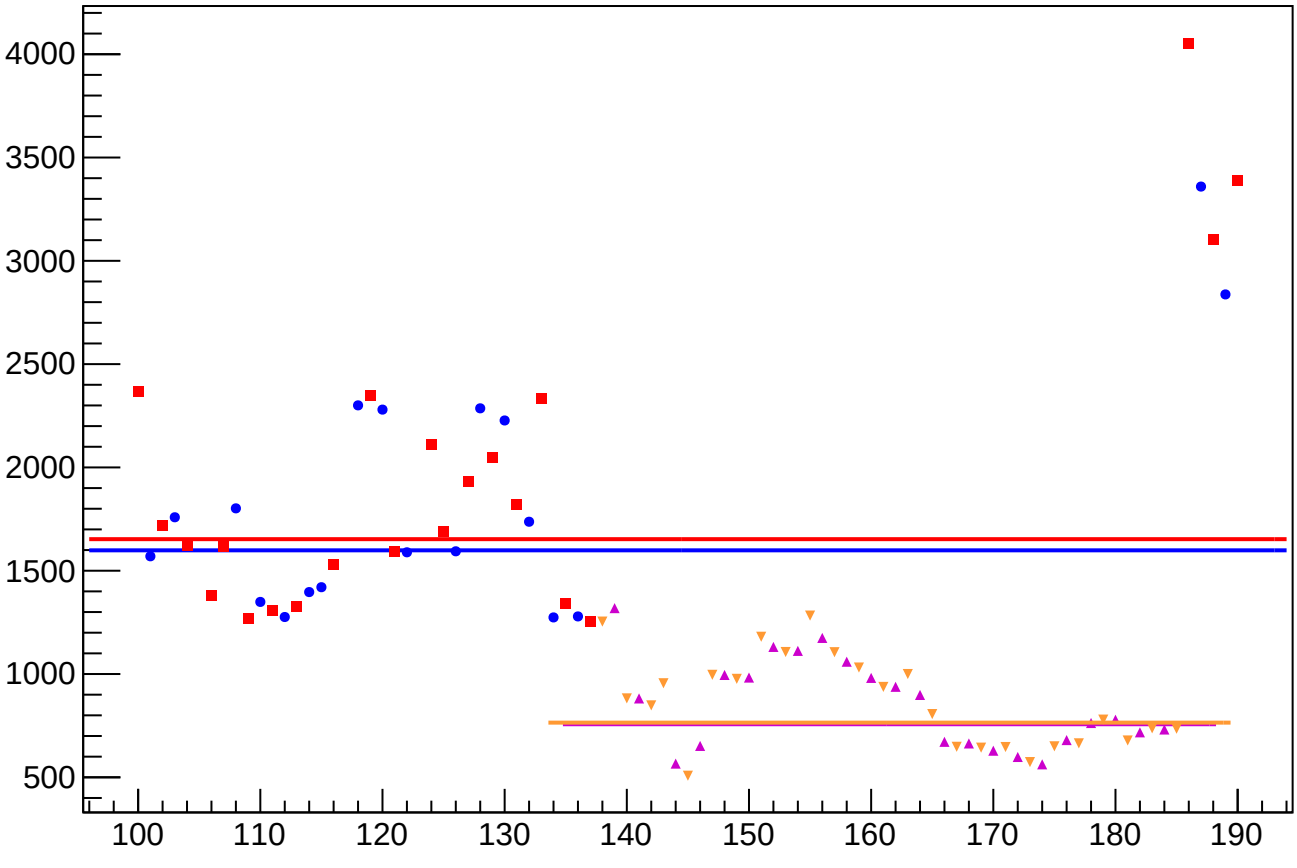
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 274.375+/-409.433 χ^2/NDF: 44.9/39

In: 40.158+/-174.826 χ^2/NDF:51.7/40

Out: -612.162+/-171.583 χ^2/NDF:97.0/46

All: -292.107+/-122.458 χ^2/NDF: 155.8/87



Right In: 1598.702+/-0.415 χ^2/NDF: 915427.6/17

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1652.774+/-0.404 χ^2/NDF: 1484907.7/21

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

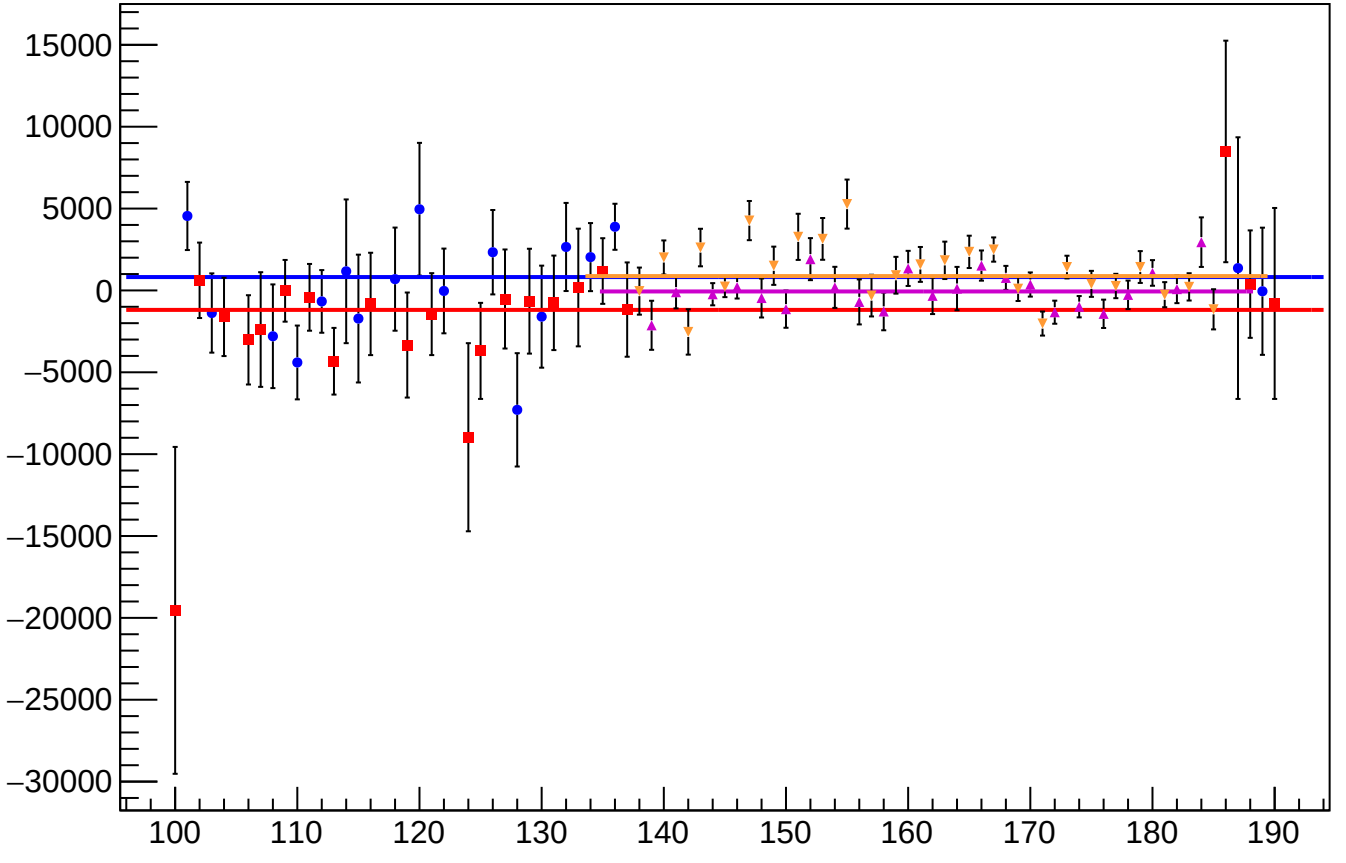
Right: 1626.500+/-0.290 χ^2/NDF: 2409049.0/39

In: 831.500+/-0.124 χ^2/NDF:6774559.1/40

Out: 844.913+/-0.121 χ^2/NDF:8310717.8/46

All: 838.332+/-0.087 χ^2/NDF: 15091272.6/87

asym_sam3_mean vs Slug, Sign Corrected



Right In: 816.754+/-609.295 χ^2/NDF: 25.0/17

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1189.223+/-600.210 χ^2/NDF: 14.5/21

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

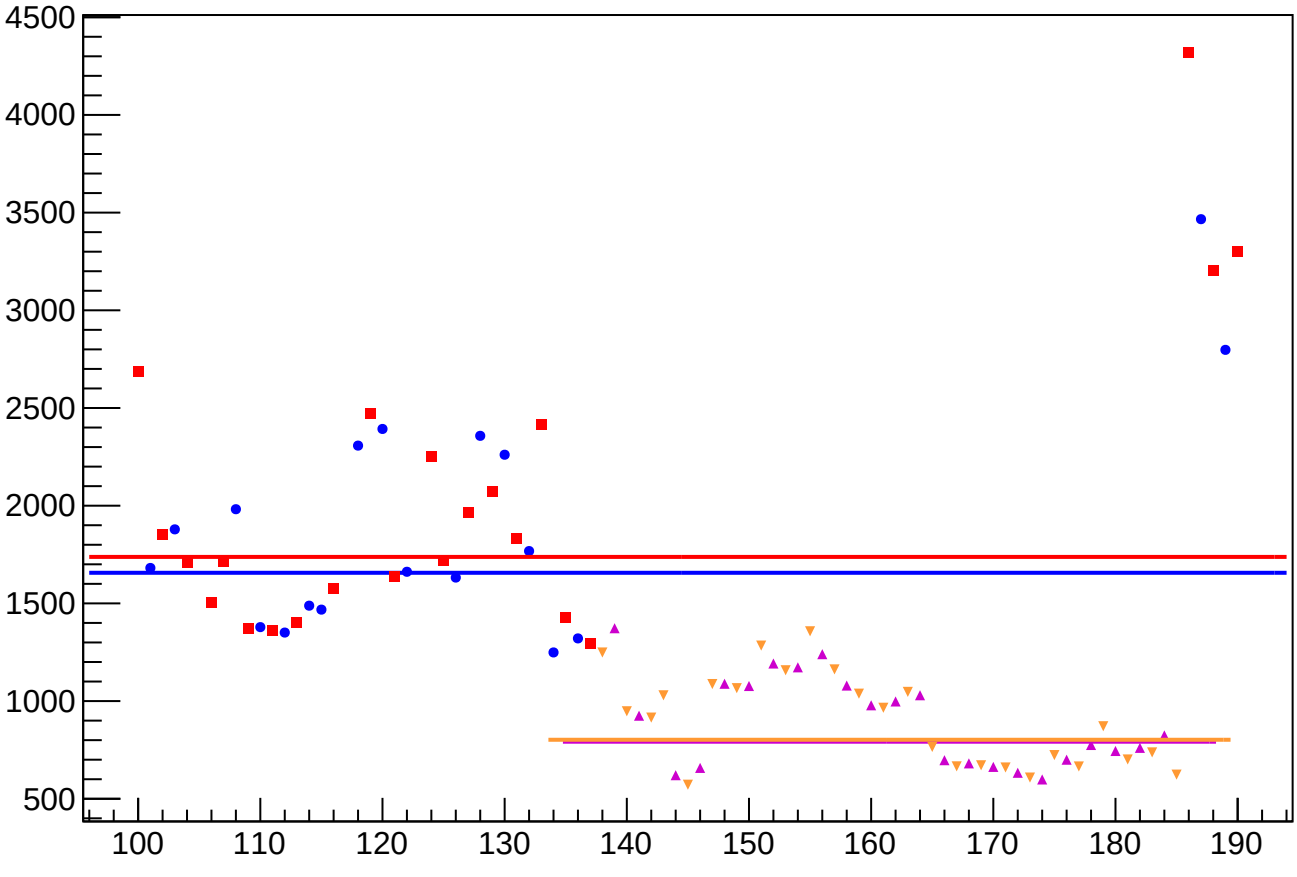
Right: -201.302+/-427.589 χ^2/NDF: 44.9/39

In: 16.388+/-182.773 χ^2/NDF:54.0/40

Out: 690.137+/-180.272 χ^2/NDF:92.5/46

All: 357.903+/-128.347 χ^2/NDF: 153.3/87

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1656.615+/-0.431 χ^2/NDF: 905734.2/17

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1737.865+/-0.424 χ^2/NDF: 1401164.3/21

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

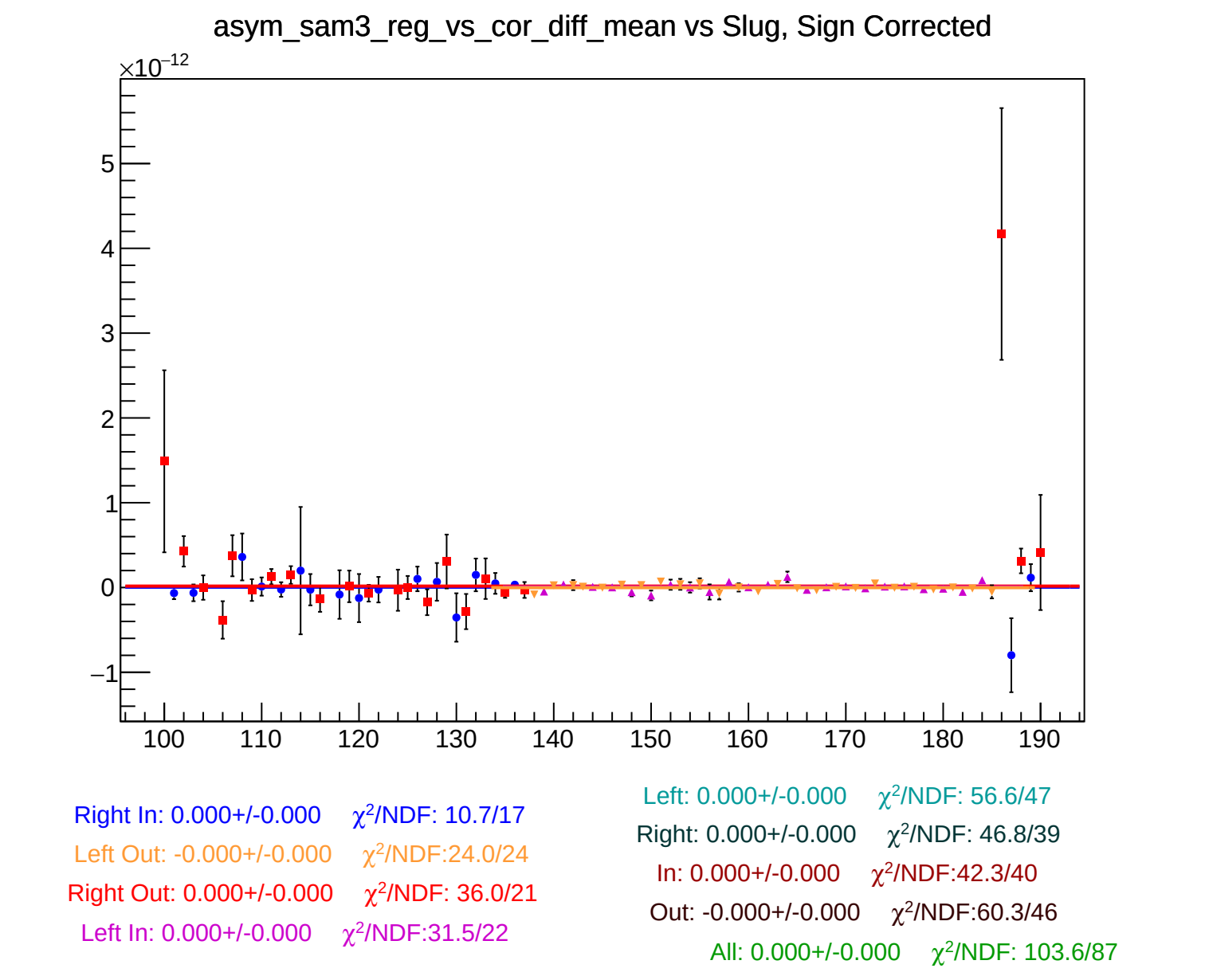
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

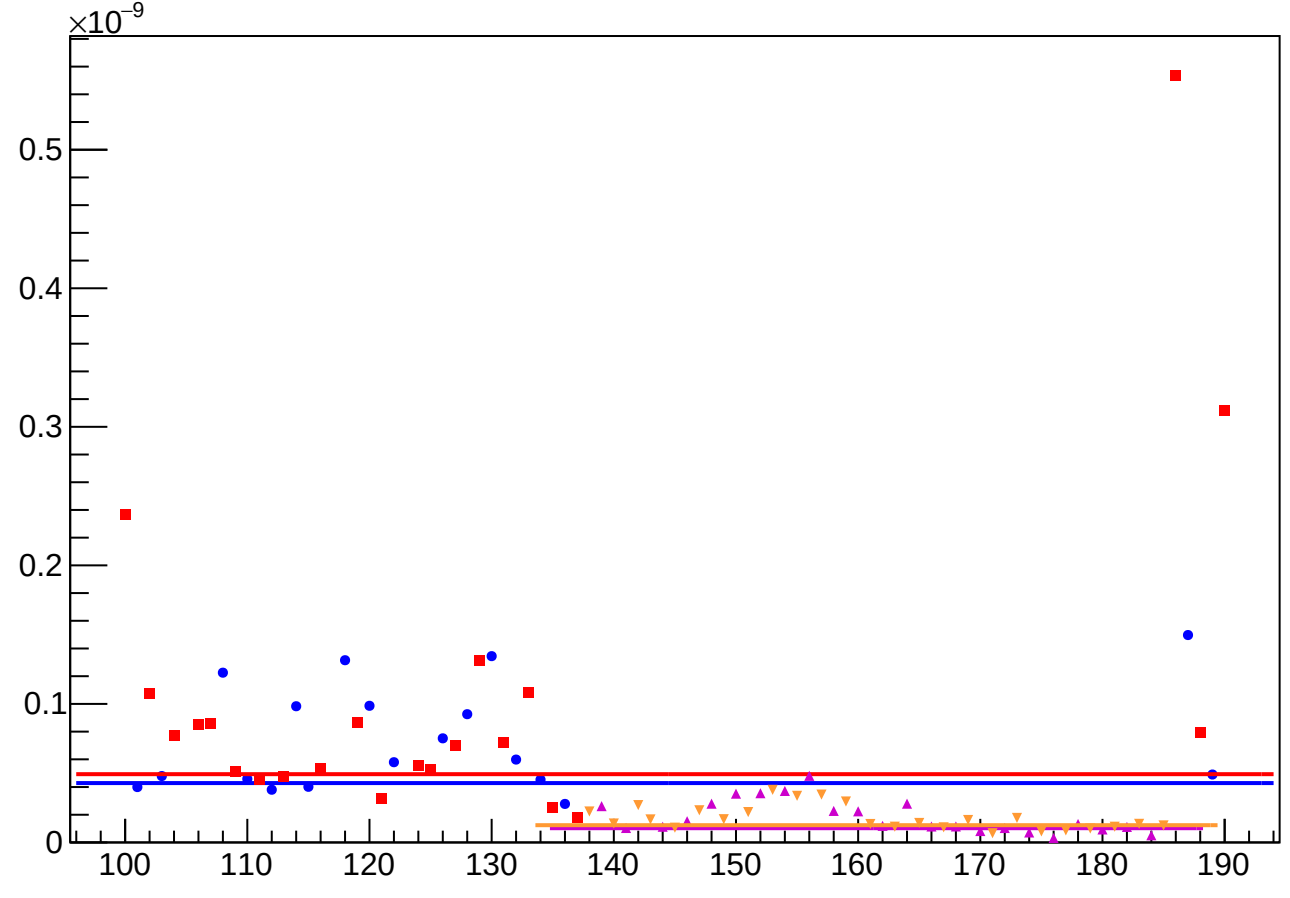
Right: 1697.851+/-0.302 χ^2/NDF: 2324948.0/39

In: 869.857+/-0.129 χ^2/NDF:6705754.8/40

Out: 886.437+/-0.127 χ^2/NDF:8220815.7/46

All: 878.261+/-0.091 χ^2/NDF: 14934912.6/87


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.7/17
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.0/21
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: 46.8/39
In: 0.000+/-0.000 χ²/NDF:42.3/40
Out: -0.000+/-0.000 χ²/NDF:60.3/46
All: 0.000+/-0.000 χ²/NDF: 103.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 1271814.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2035141.7/21

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

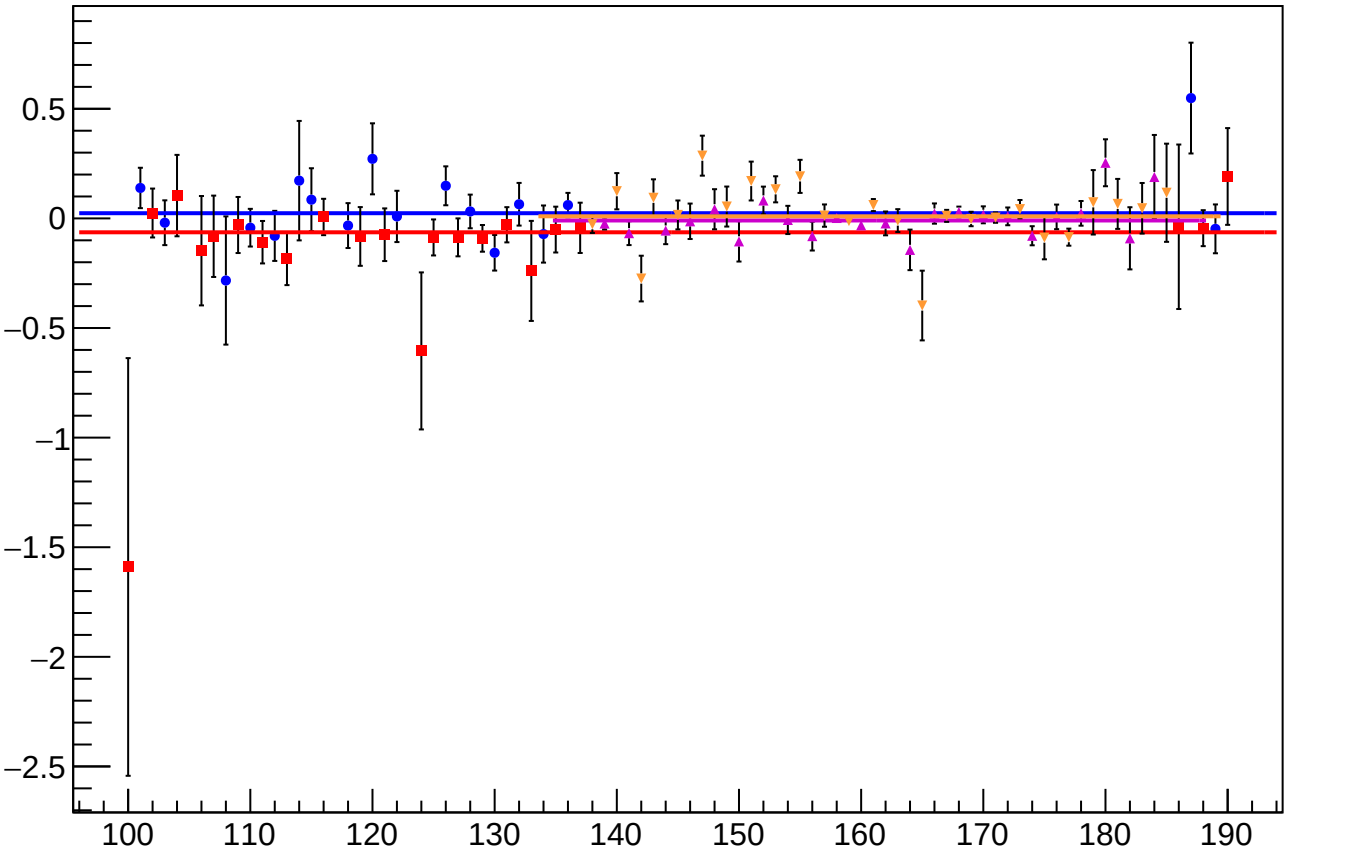
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3358728.8/39

In: 0.000+/-0.000 χ^2/NDF:7802712.8/40

Out: 0.000+/-0.000 χ^2/NDF:7234265.7/46

All: 0.000+/-0.000 χ^2/NDF: 15232356.3/87



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.063+/-0.024 χ^2/NDF: 11.0/21

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

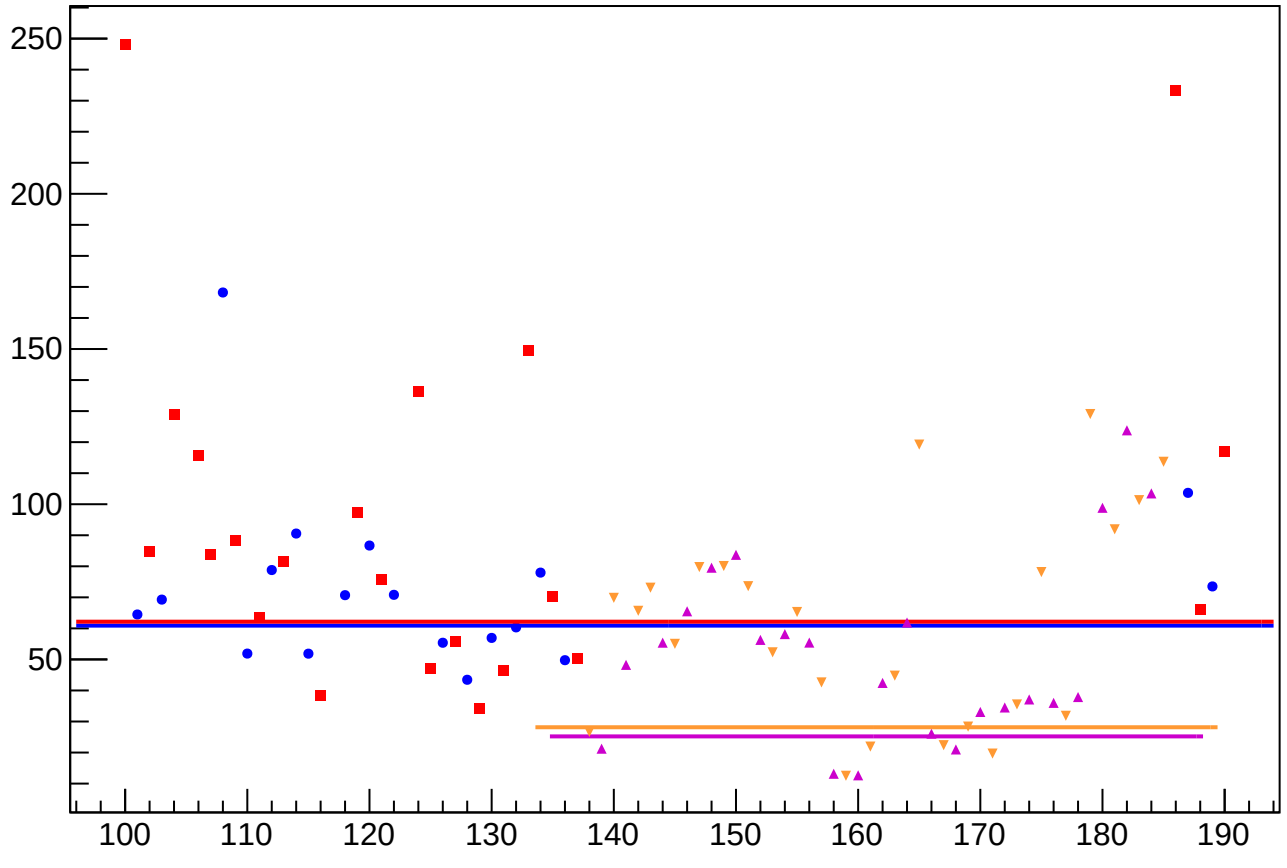
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 37.9/39

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.002+/-0.008 χ^2/NDF:73.9/46

All: -0.003+/-0.005 χ^2/NDF: 121.6/87



Right In: 60.894+/-0.017 χ^2/NDF: 785367.6/17

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 62.160+/-0.017 χ^2/NDF: 2533431.7/21

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

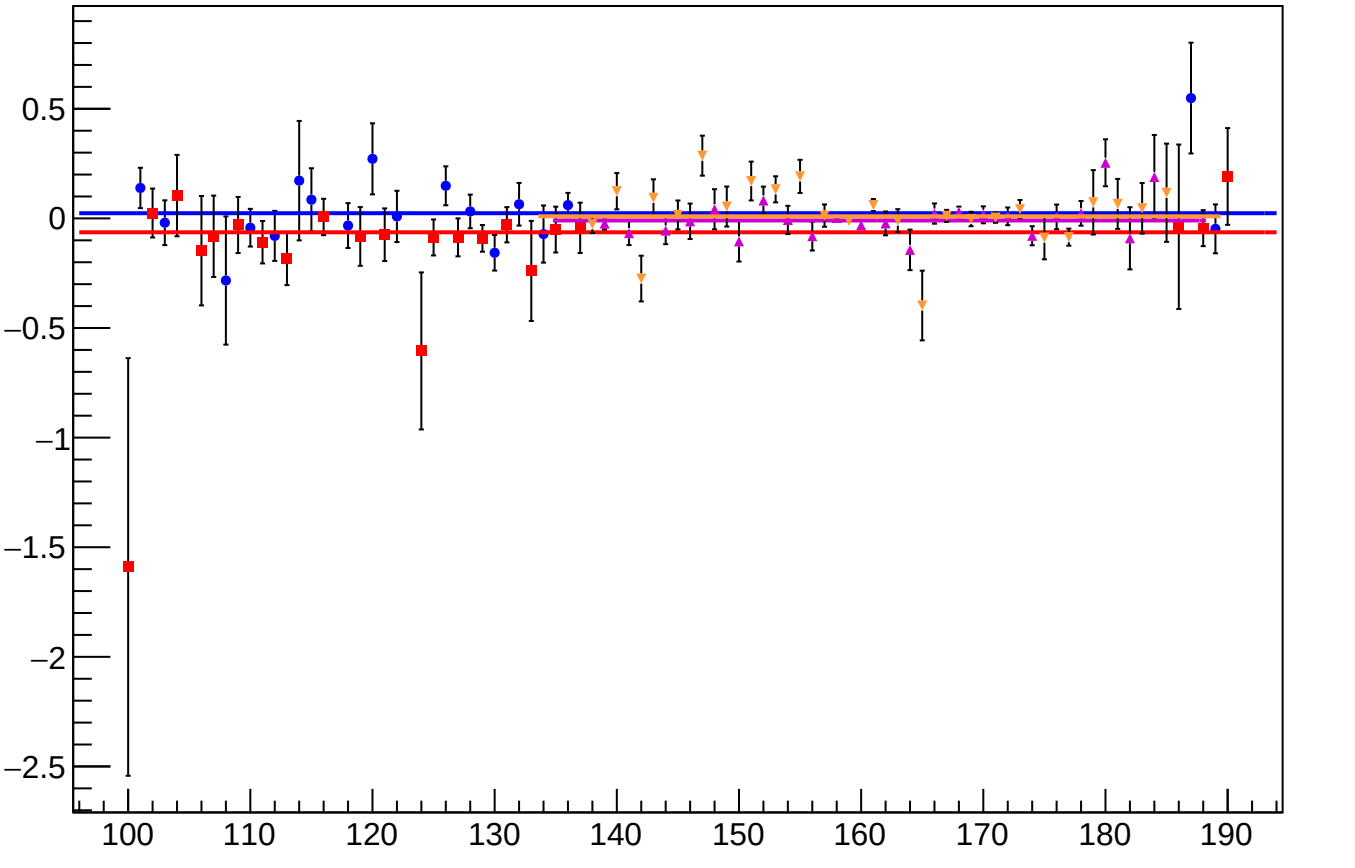
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 61.527+/-0.012 χ^2/NDF: 3321585.4/39

In: 28.718+/-0.005 χ^2/NDF:14742579.5/40

Out: 31.918+/-0.006 χ^2/NDF:17185762.8/46

All: 30.225+/-0.004 χ^2/NDF: 32098630.2/87



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.063+/-0.024 χ^2/NDF: 11.0/21

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

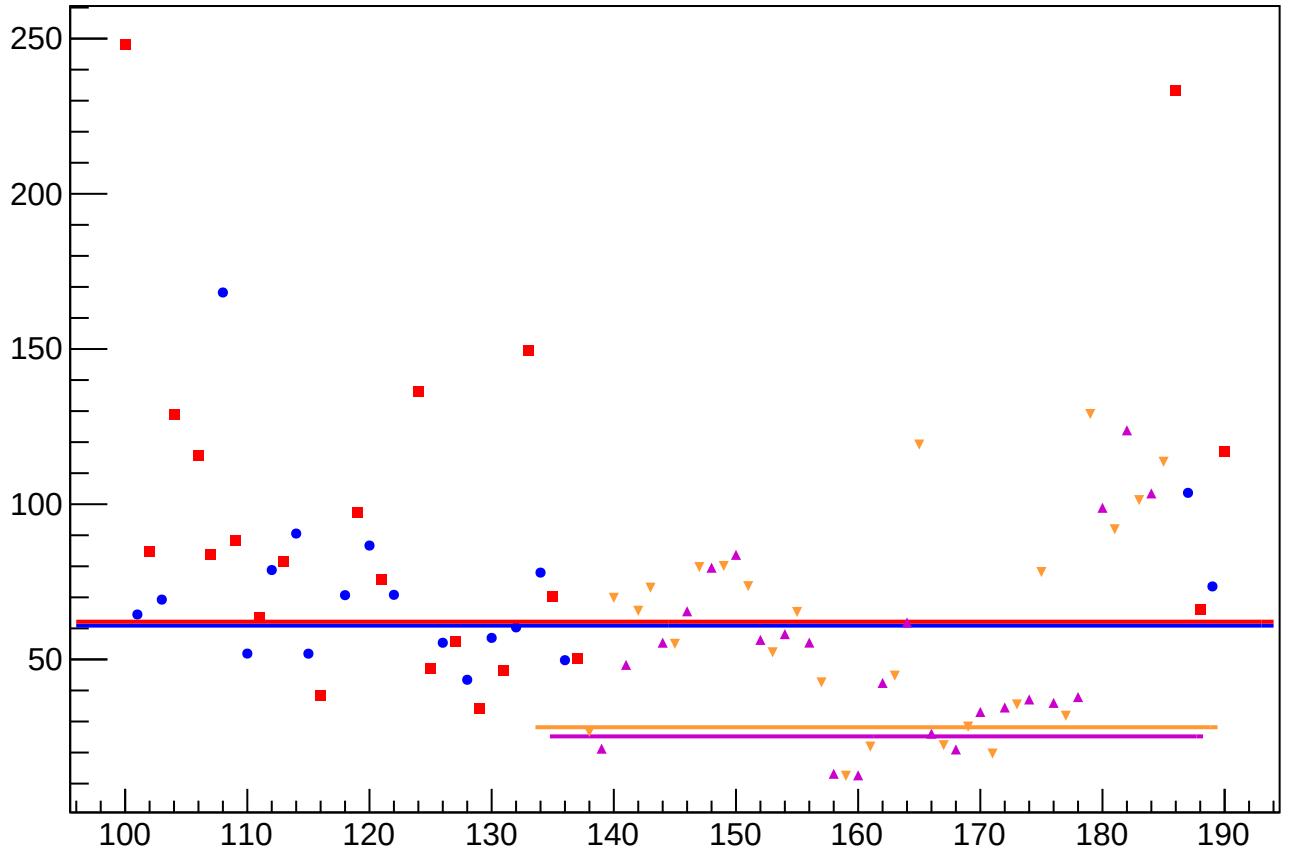
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 37.9/39

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.002+/-0.008 χ^2/NDF:73.9/46

All: -0.003+/-0.005 χ^2/NDF: 121.6/87



Right In: 60.894+/-0.017 χ^2/NDF: 785367.6/17

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 62.160+/-0.017 χ^2/NDF: 2533431.7/21

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

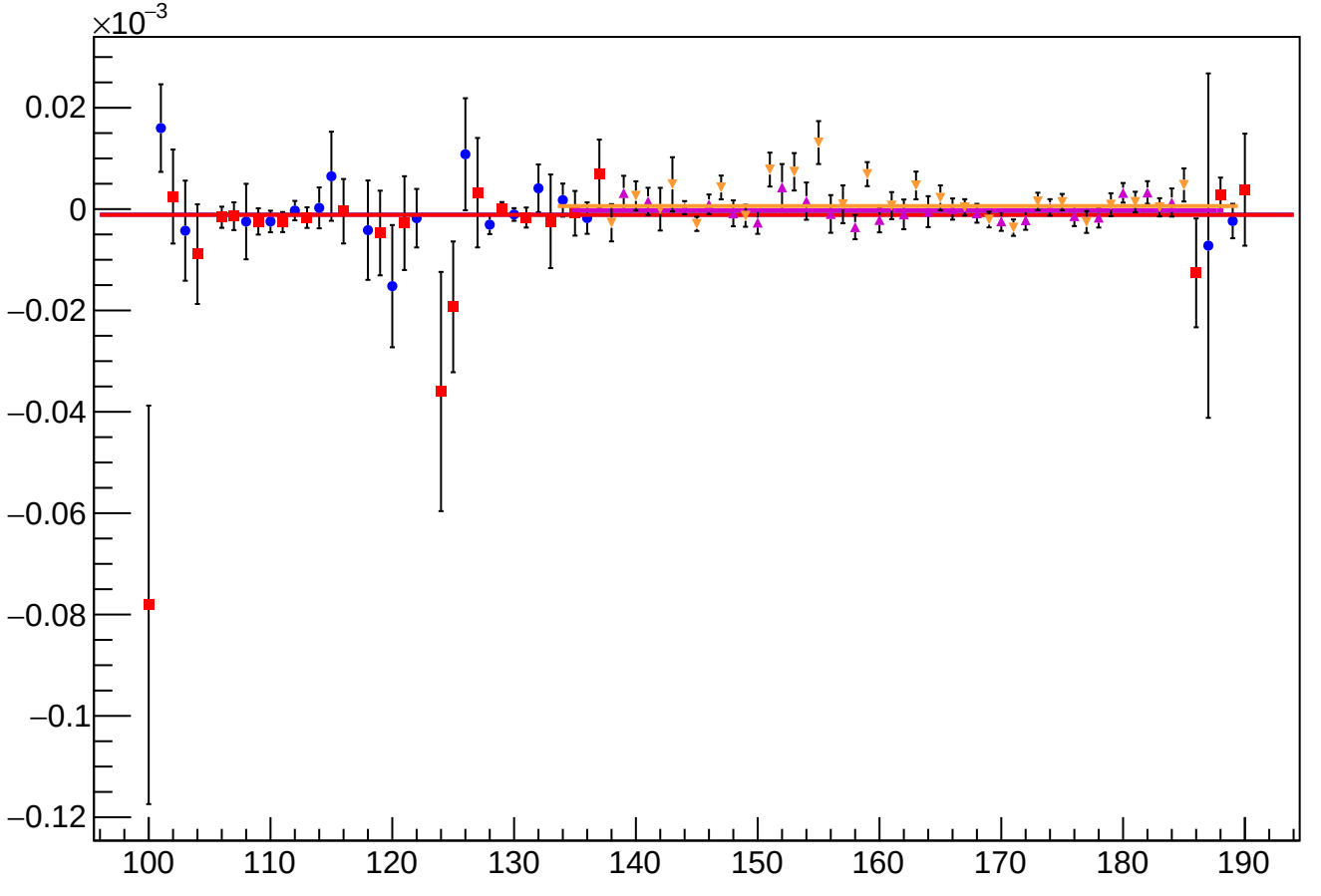
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 61.527+/-0.012 χ^2/NDF: 3321585.4/39

In: 28.718+/-0.005 χ^2/NDF:14742579.5/40

Out: 31.918+/-0.006 χ^2/NDF:17185762.8/46

All: 30.225+/-0.004 χ^2/NDF: 32098630.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/21

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

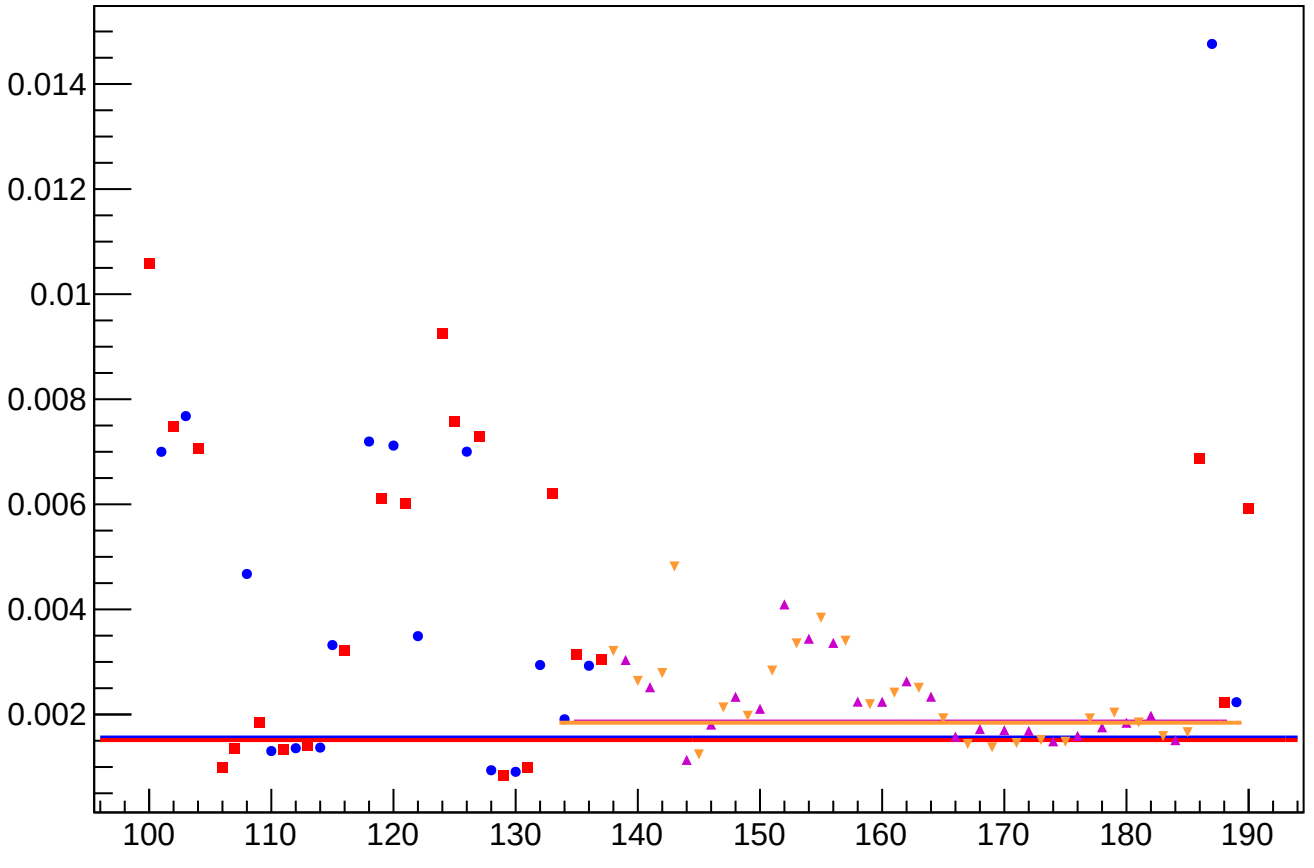
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 26.8/39

In: -0.000+/-0.000 χ^2/NDF:29.0/40

Out: 0.000+/-0.000 χ^2/NDF:72.2/46

All: -0.000+/-0.000 χ^2/NDF: 102.3/87



Right In: 0.002+/-0.000 χ^2/NDF: 5568367.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6719723.2/21

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

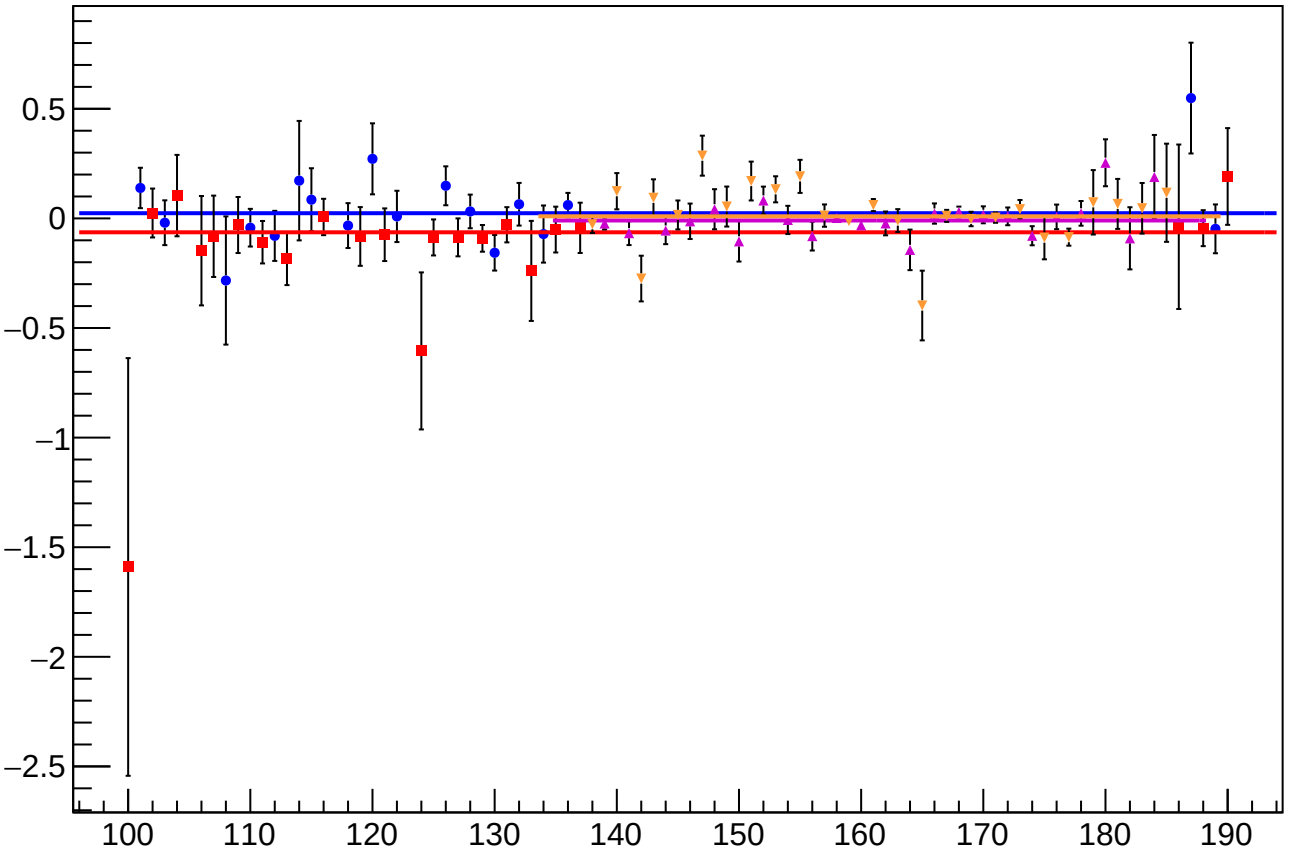
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 12292854.1/39

In: 0.002+/-0.000 χ^2/NDF:8615372.7/40

Out: 0.002+/-0.000 χ^2/NDF:10833619.3/46

All: 0.002+/-0.000 χ^2/NDF: 19456495.4/87



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.063+/-0.024 χ^2/NDF: 11.0/21

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

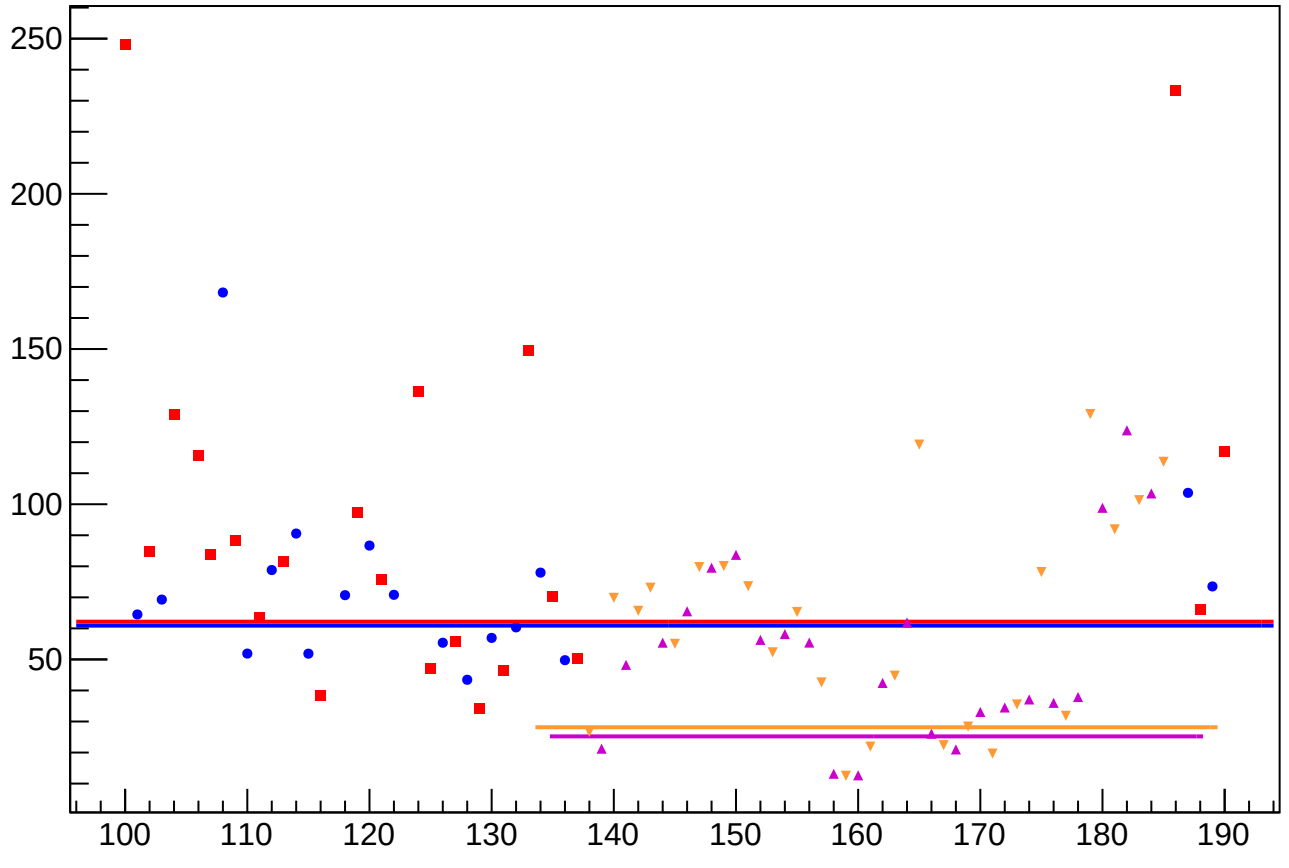
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 37.9/39

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.002+/-0.008 χ^2/NDF:73.9/46

All: -0.003+/-0.005 χ^2/NDF: 121.6/87



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 62.161+/-0.017 χ^2/NDF: 2533500.5/21

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

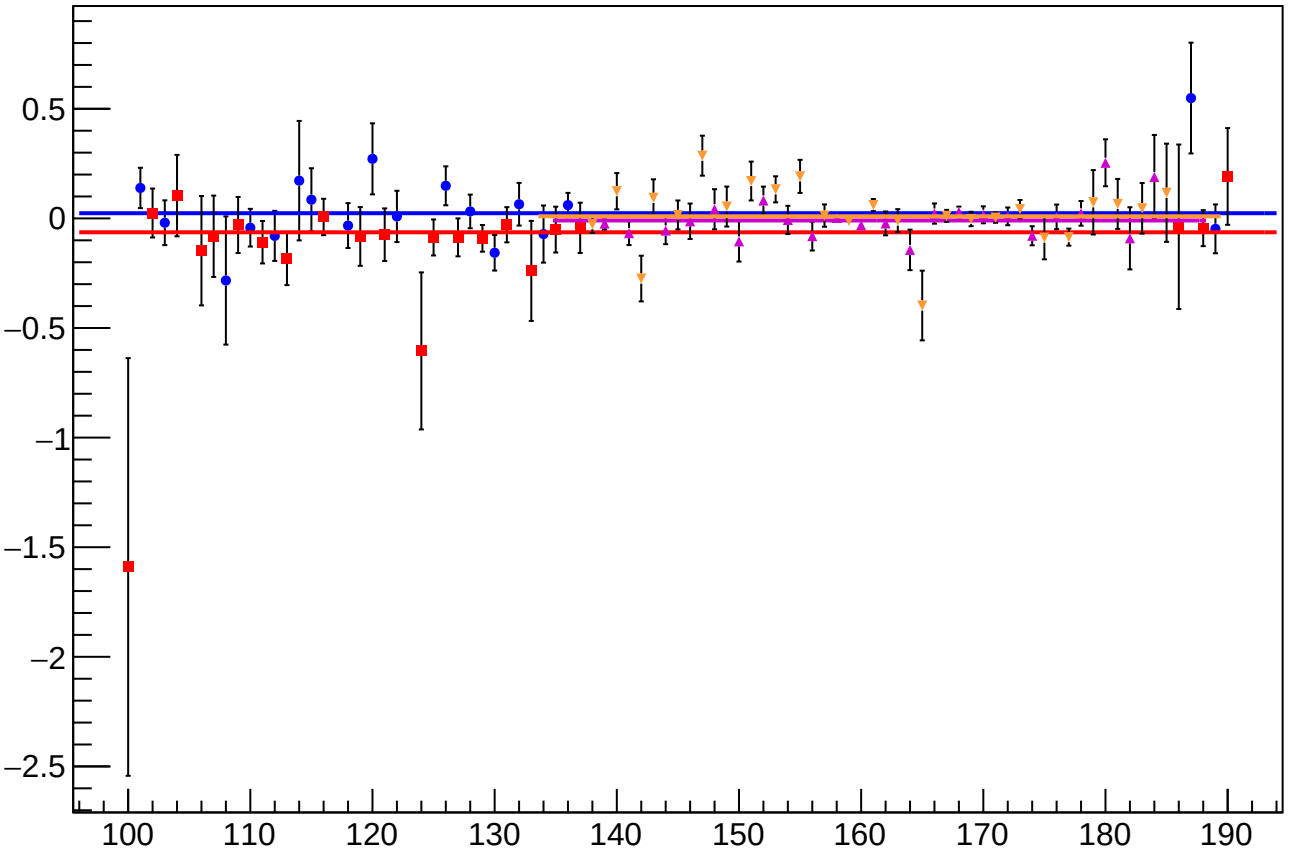
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 61.528+/-0.012 χ^2/NDF: 3321711.1/39

In: 28.718+/-0.005 χ^2/NDF:14743285.3/40

Out: 31.917+/-0.006 χ^2/NDF:17187283.3/46

All: 30.224+/-0.004 χ^2/NDF: 32100772.8/87



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.063+/-0.024 χ^2/NDF: 11.0/21

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

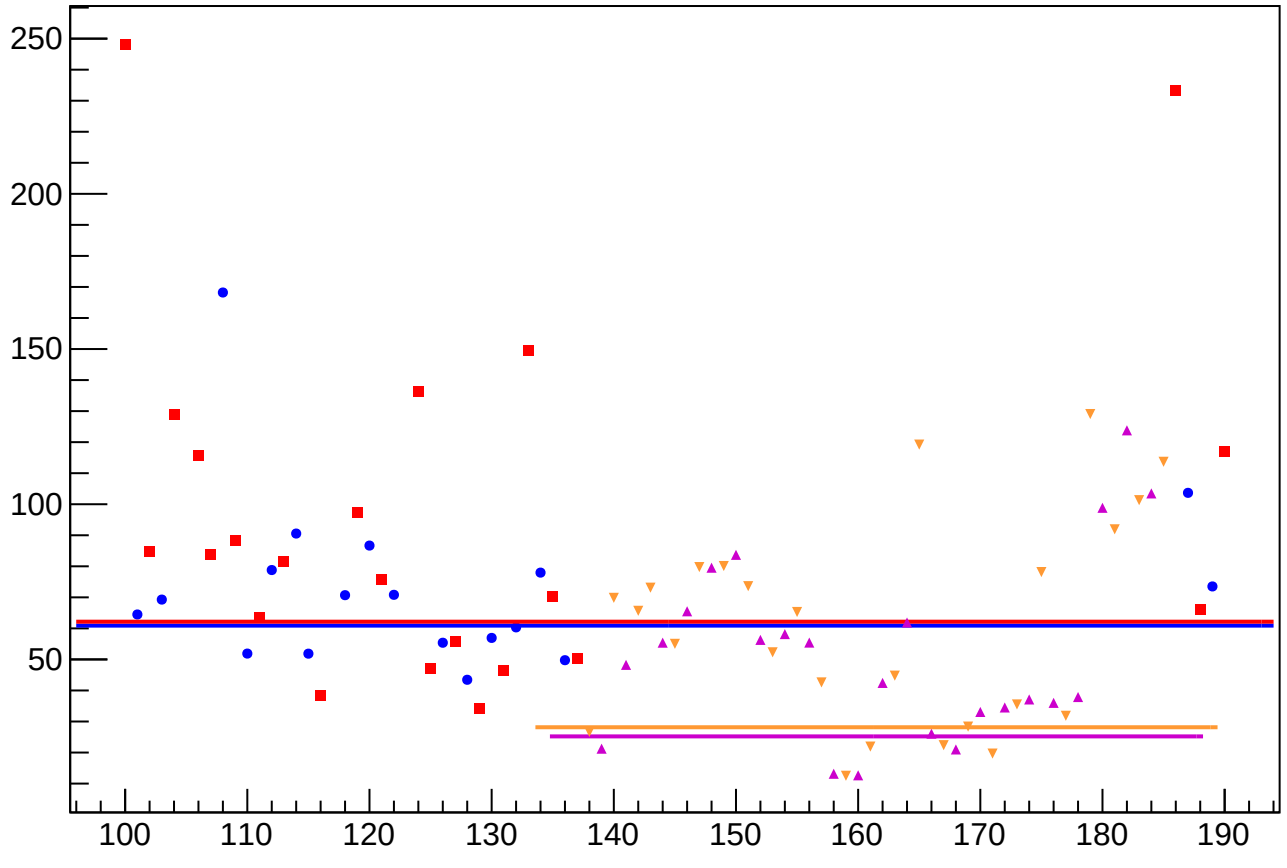
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 37.9/39

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.002+/-0.008 χ^2/NDF:73.9/46

All: -0.003+/-0.005 χ^2/NDF: 121.6/87



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 62.161+/-0.017 χ^2/NDF: 2533500.5/21

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

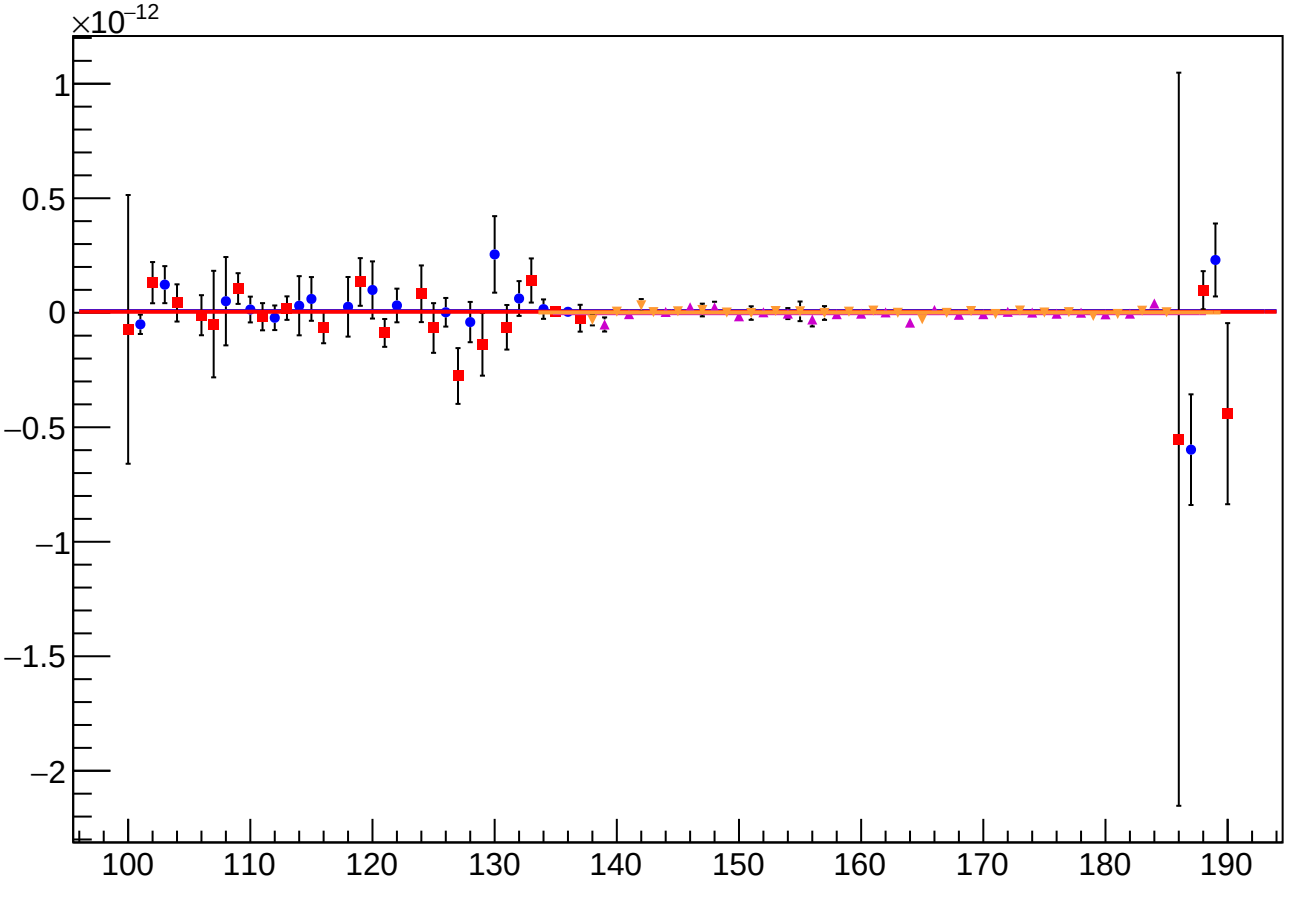
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 61.528+/-0.012 χ^2/NDF: 3321711.1/39

In: 28.718+/-0.005 χ^2/NDF:14743285.3/40

Out: 31.917+/-0.006 χ^2/NDF:17187283.3/46

All: 30.224+/-0.004 χ^2/NDF: 32100772.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/21

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

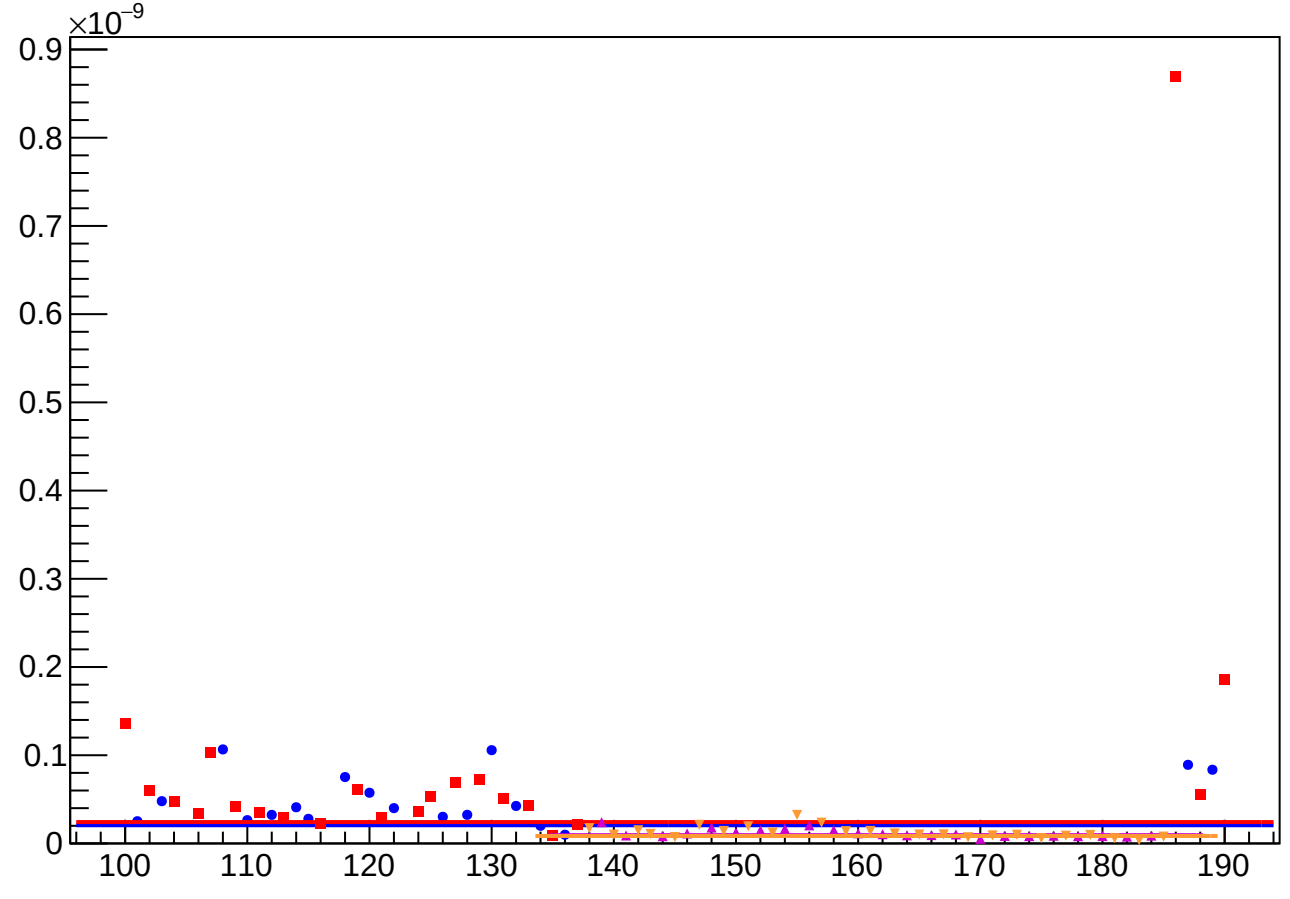
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 39.0/39

In: -0.000+/-0.000 χ^2/NDF:38.0/40

Out: 0.000+/-0.000 χ^2/NDF:33.7/46

All: 0.000+/-0.000 χ^2/NDF: 72.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 3598294.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4711871.0/21

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

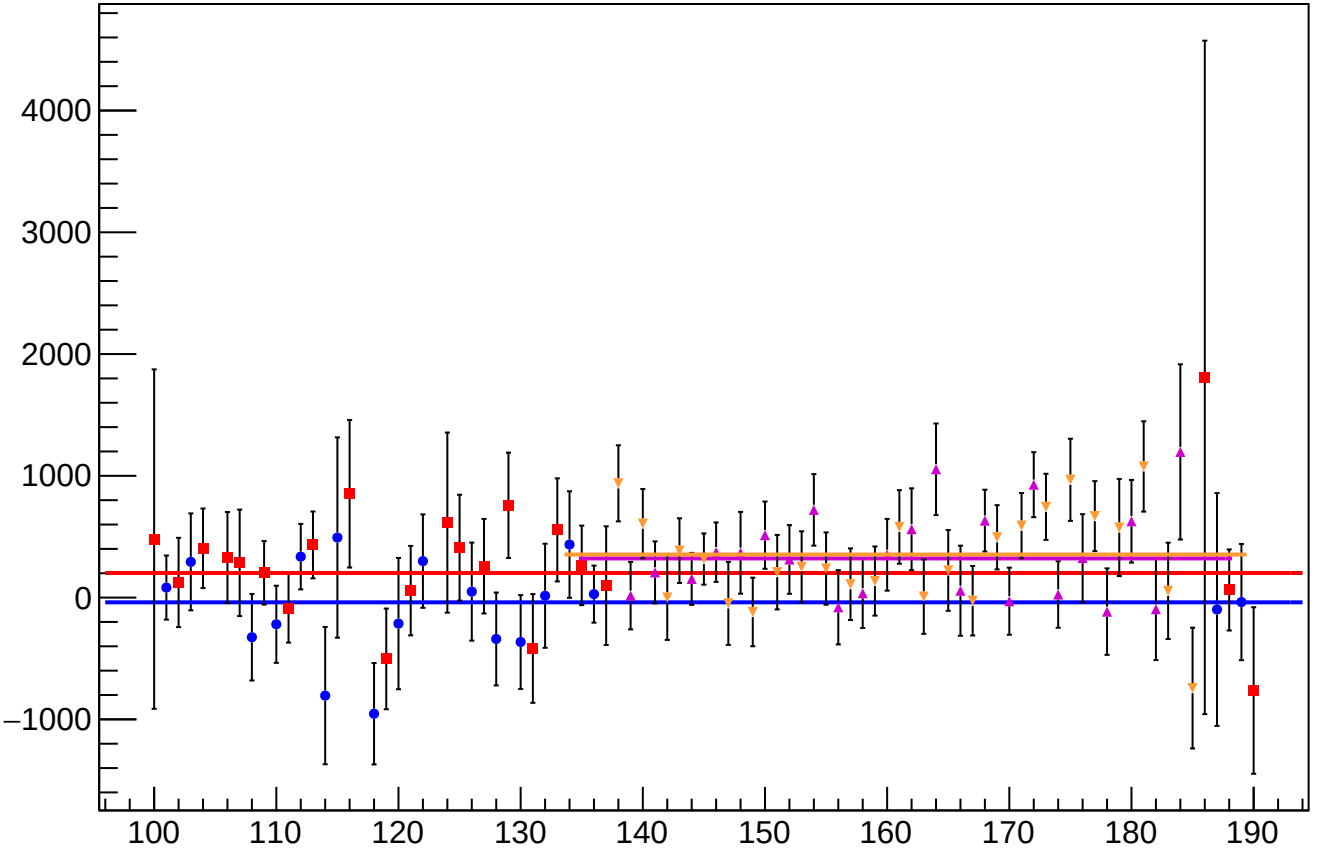
Right: 0.000+/-0.000 χ^2/NDF: 8390508.6/39

In: 0.000+/-0.000 χ^2/NDF:7377656.1/40

Out: 0.000+/-0.000 χ^2/NDF:11742516.9/46

All: 0.000+/-0.000 χ^2/NDF: 19229749.6/87

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.946+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 202.118+/-84.308 χ^2/NDF: 14.0/21

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

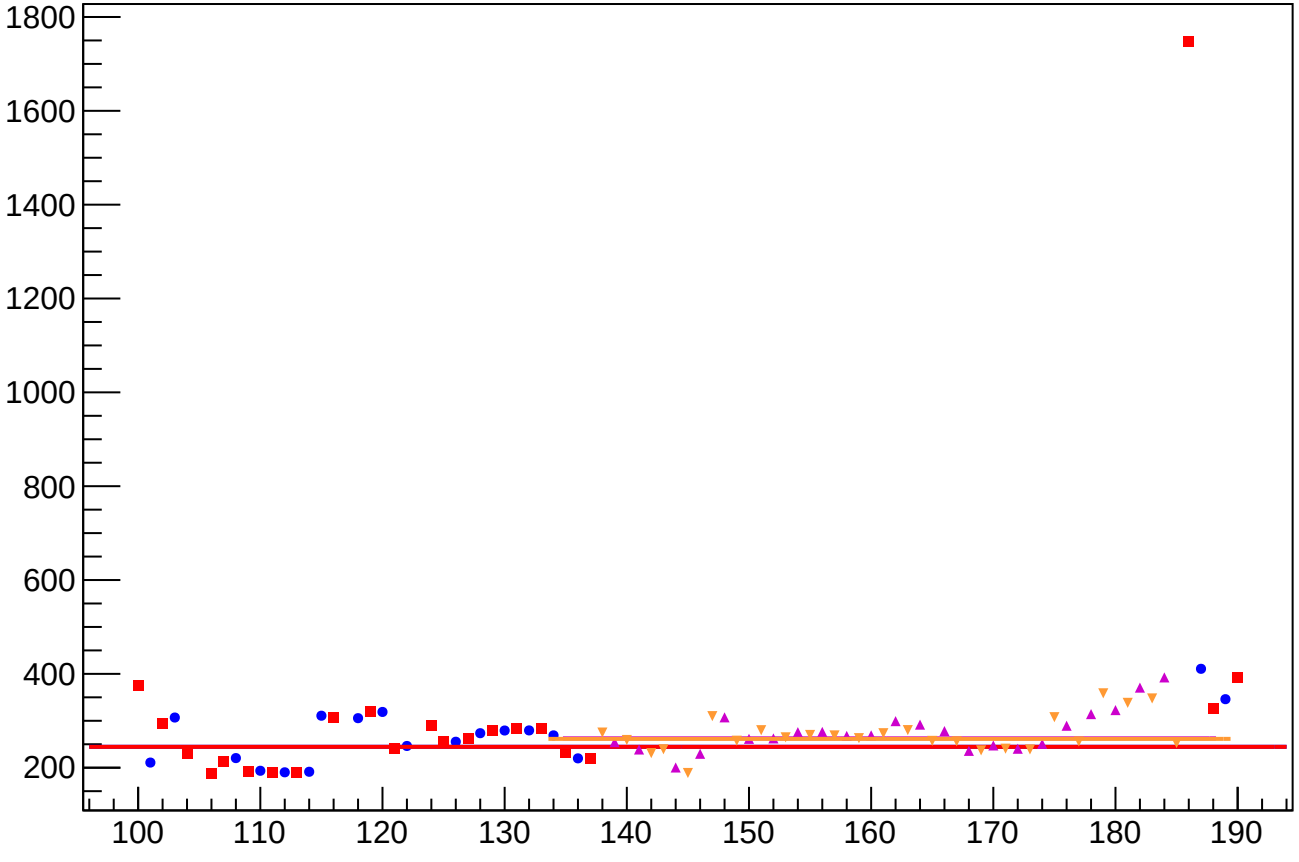
Right: 87.626+/-61.090 χ^2/NDF: 32.4/39

In: 202.811+/-50.868 χ^2/NDF:51.8/40

Out: 302.515+/-48.965 χ^2/NDF:48.5/46

All: 254.564+/-35.277 χ^2/NDF: 102.3/87

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 244.600+/-0.063 χ^2/NDF: 558238.5/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 244.476+/-0.060 χ^2/NDF: 1309007.7/21

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

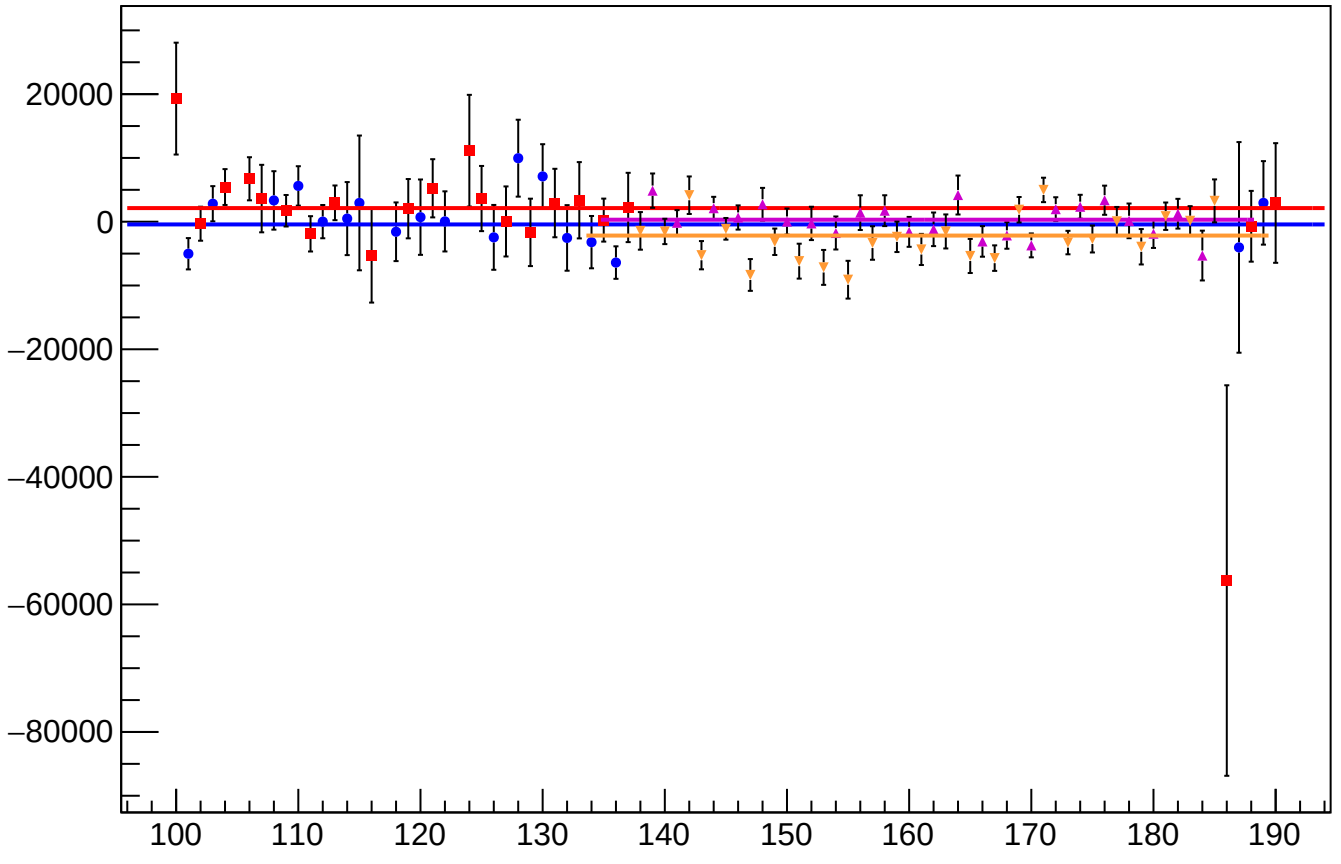
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 244.535+/-0.043 χ^2/NDF: 1867248.2/39

In: 256.683+/-0.036 χ^2/NDF:1284293.1/40

Out: 255.738+/-0.035 χ^2/NDF:2078324.9/46

All: 256.192+/-0.025 χ^2/NDF: 3362976.9/87



Right In: -427.013+/-936.182 χ^2/NDF: 21.5/17

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2135.297+/-878.536 χ^2/NDF: 17.8/21

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

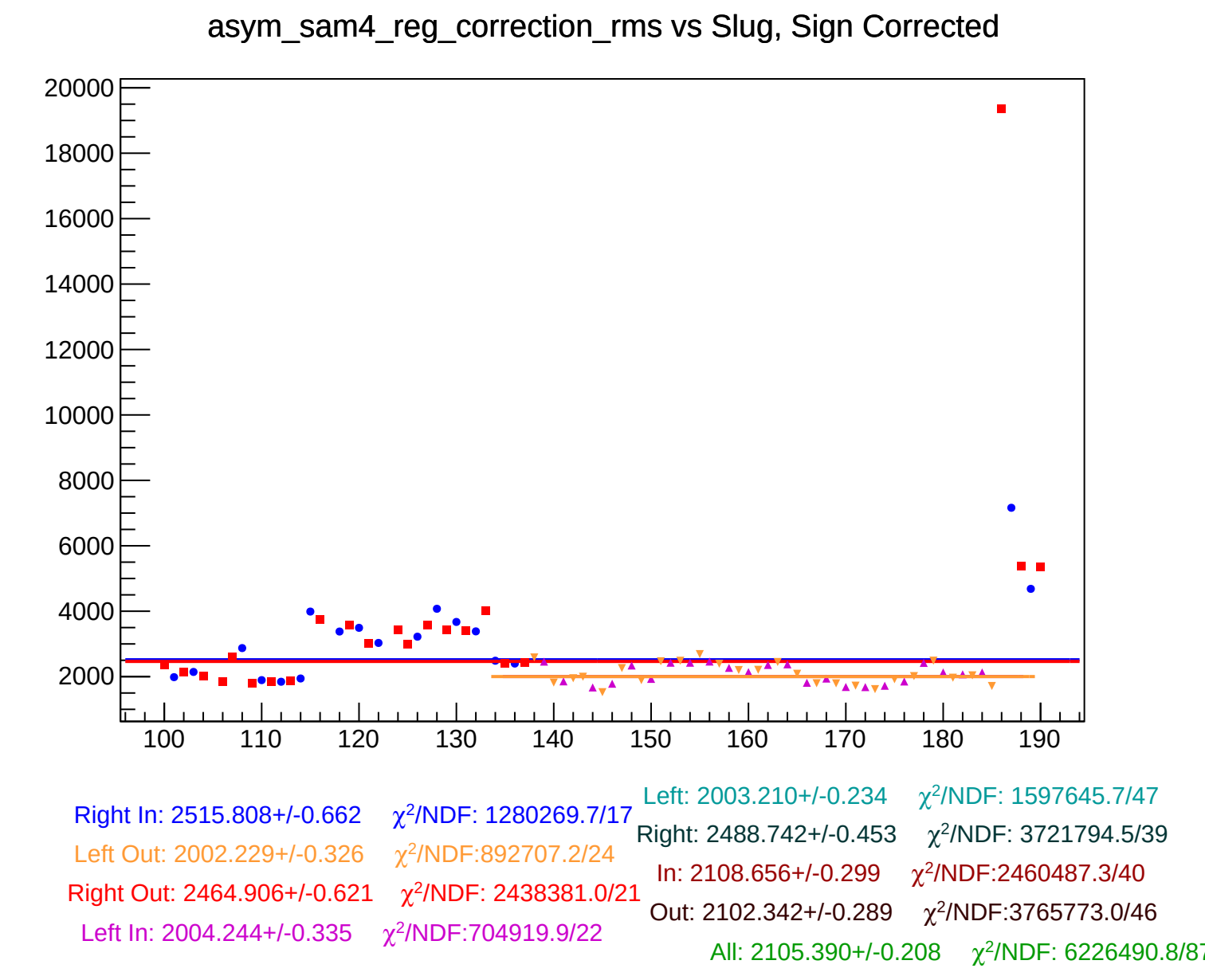
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 935.453+/-640.629 χ^2/NDF: 43.2/39

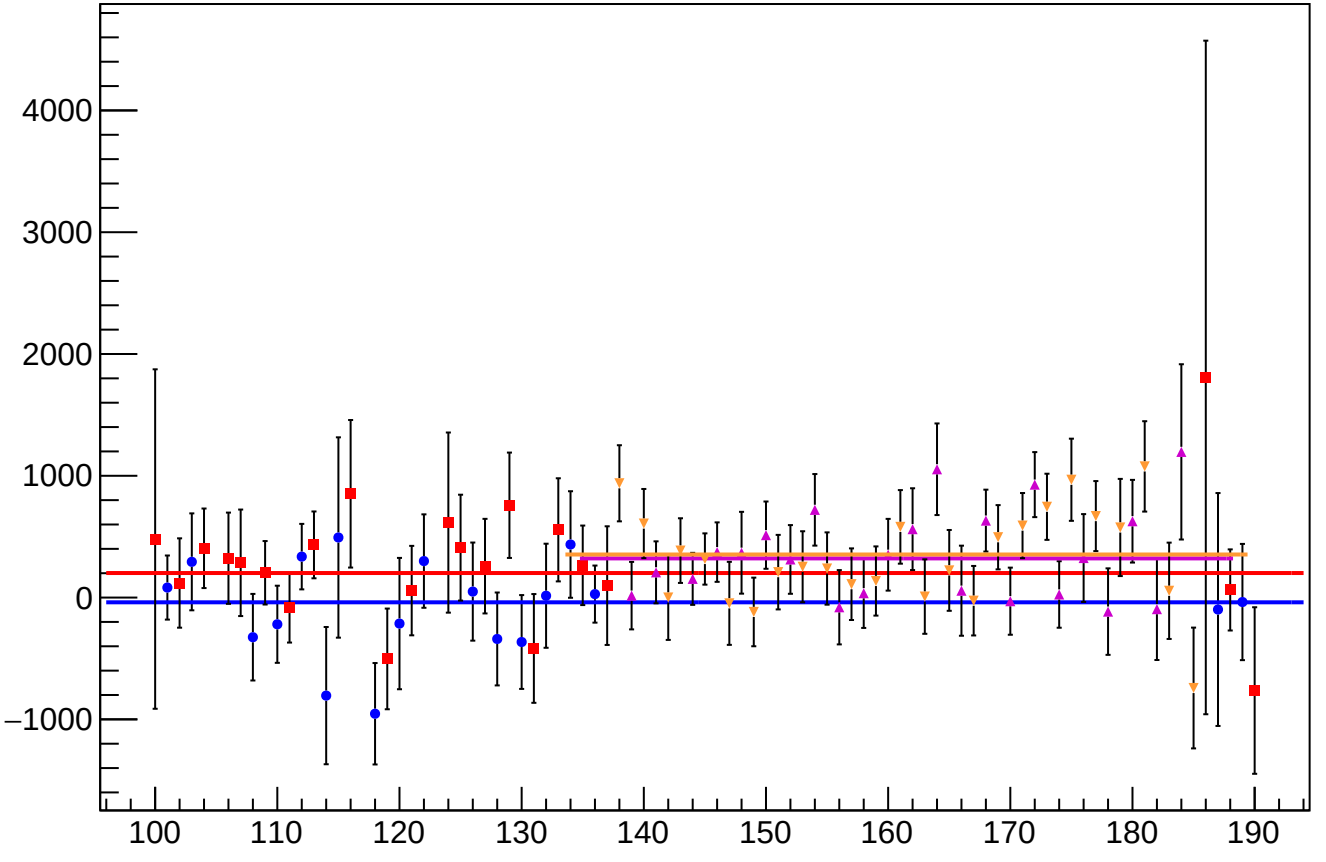
In: 162.549+/-422.946 χ^2/NDF:45.6/40

Out: -1239.874+/-408.663 χ^2/NDF:92.2/46

All: -562.743+/-293.888 χ^2/NDF: 143.5/87


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2515.808+/-0.662 χ²/NDF: 1280269.7/17
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 2464.906+/-0.621 χ²/NDF: 2438381.0/21
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 2488.742+/-0.453 χ²/NDF: 3721794.5/39
In: 2108.656+/-0.299 χ²/NDF:2460487.3/40
Out: 2102.342+/-0.289 χ²/NDF:3765773.0/46
All: 2105.390+/-0.208 χ²/NDF: 6226490.8/87

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.964+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 201.507+/-84.320 χ^2/NDF: 14.0/21

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

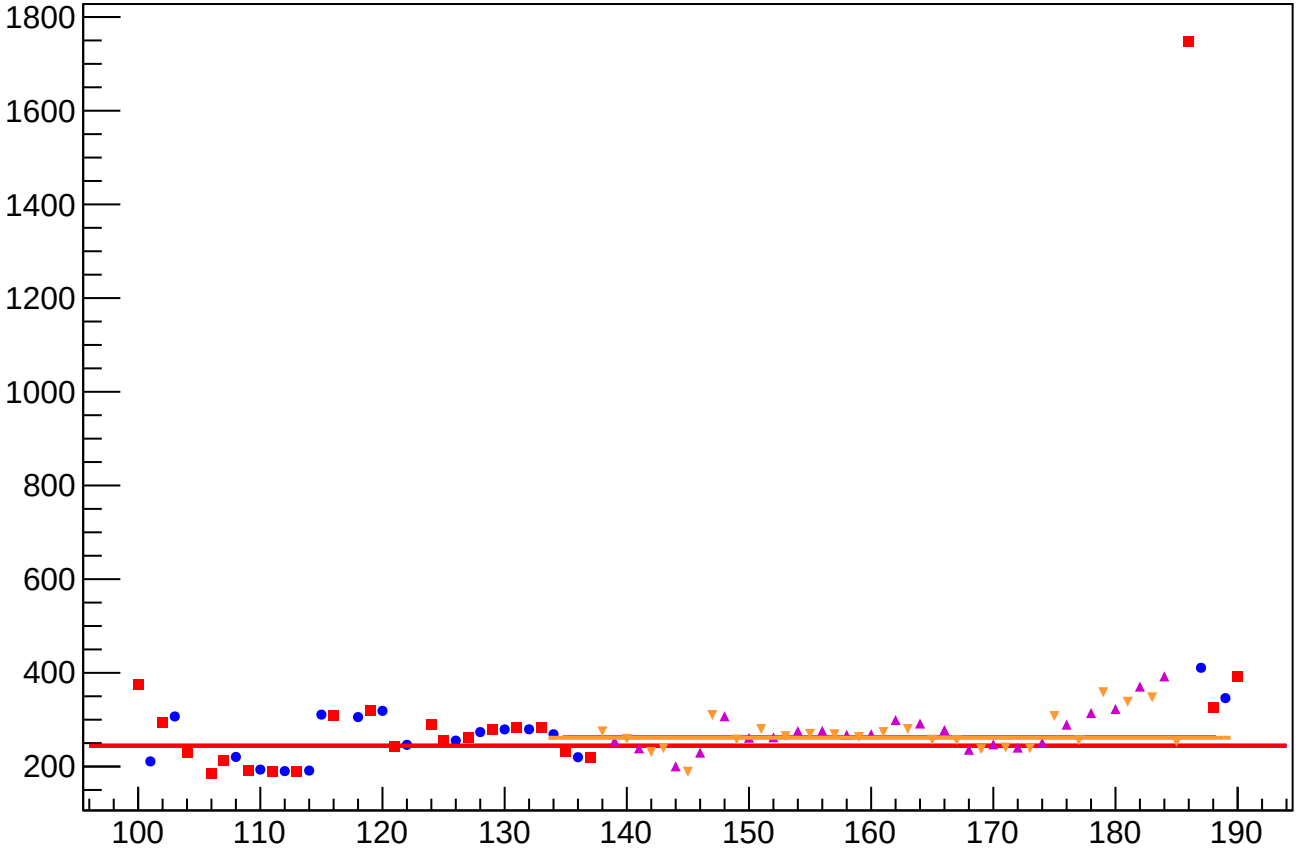
Right: 87.280+/-61.095 χ^2/NDF: 32.3/39

In: 202.809+/-50.868 χ^2/NDF:51.8/40

Out: 302.334+/-48.967 χ^2/NDF:48.5/46

All: 254.466+/-35.278 χ^2/NDF: 102.3/87

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 244.600+/-0.063 χ^2/NDF: 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 244.367+/-0.060 χ^2/NDF: 1313129.8/21

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

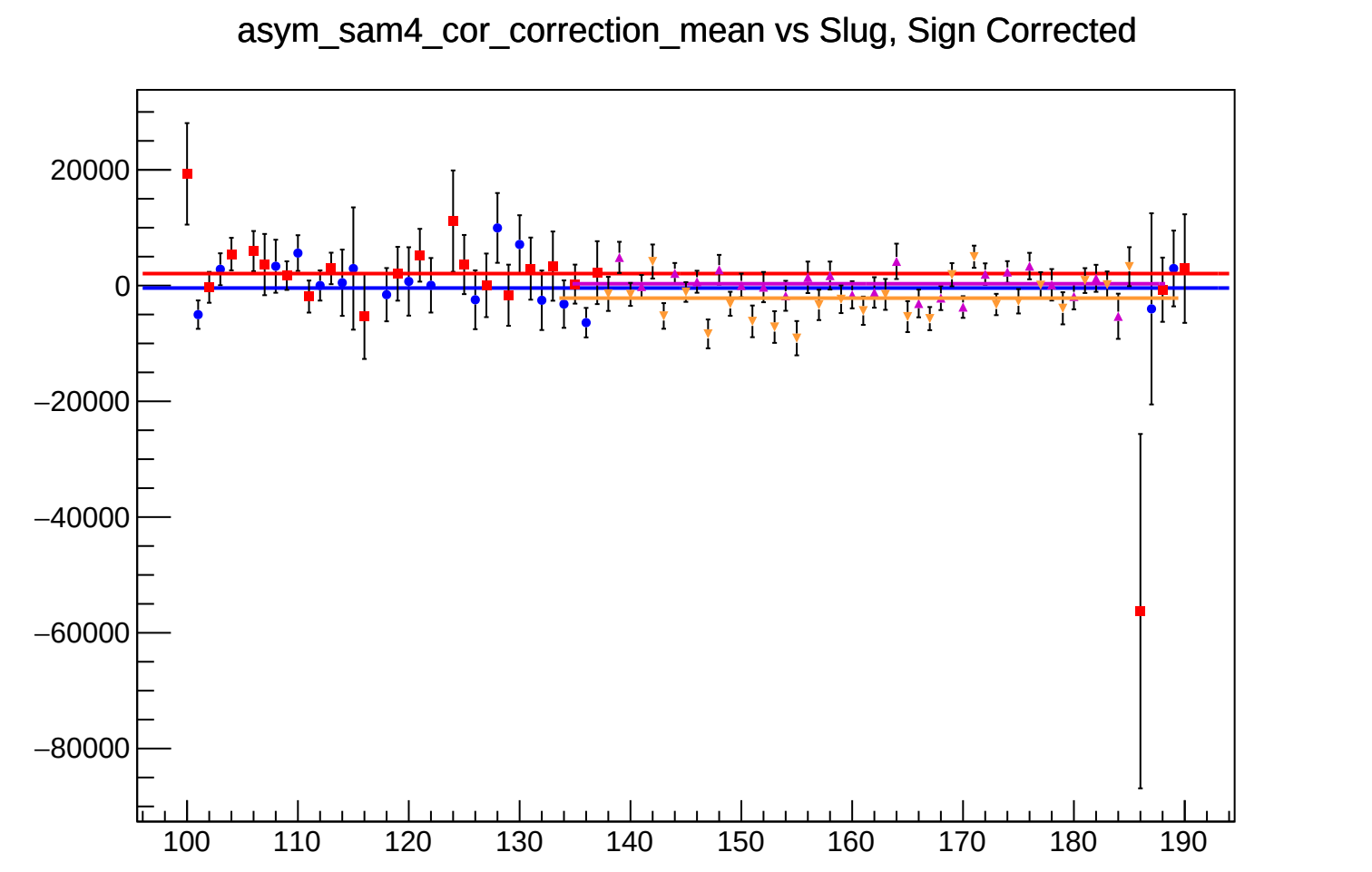
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 244.478+/-0.043 χ^2/NDF: 1871377.7/39

In: 256.683+/-0.036 χ^2/NDF:1284295.0/40

Out: 255.702+/-0.035 χ^2/NDF:2083130.9/46

All: 256.174+/-0.025 χ^2/NDF: 3367812.5/87



Right In: -427.176+/-936.190 χ^2/NDF: 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2070.137+/-880.140 χ^2/NDF: 17.2/21

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

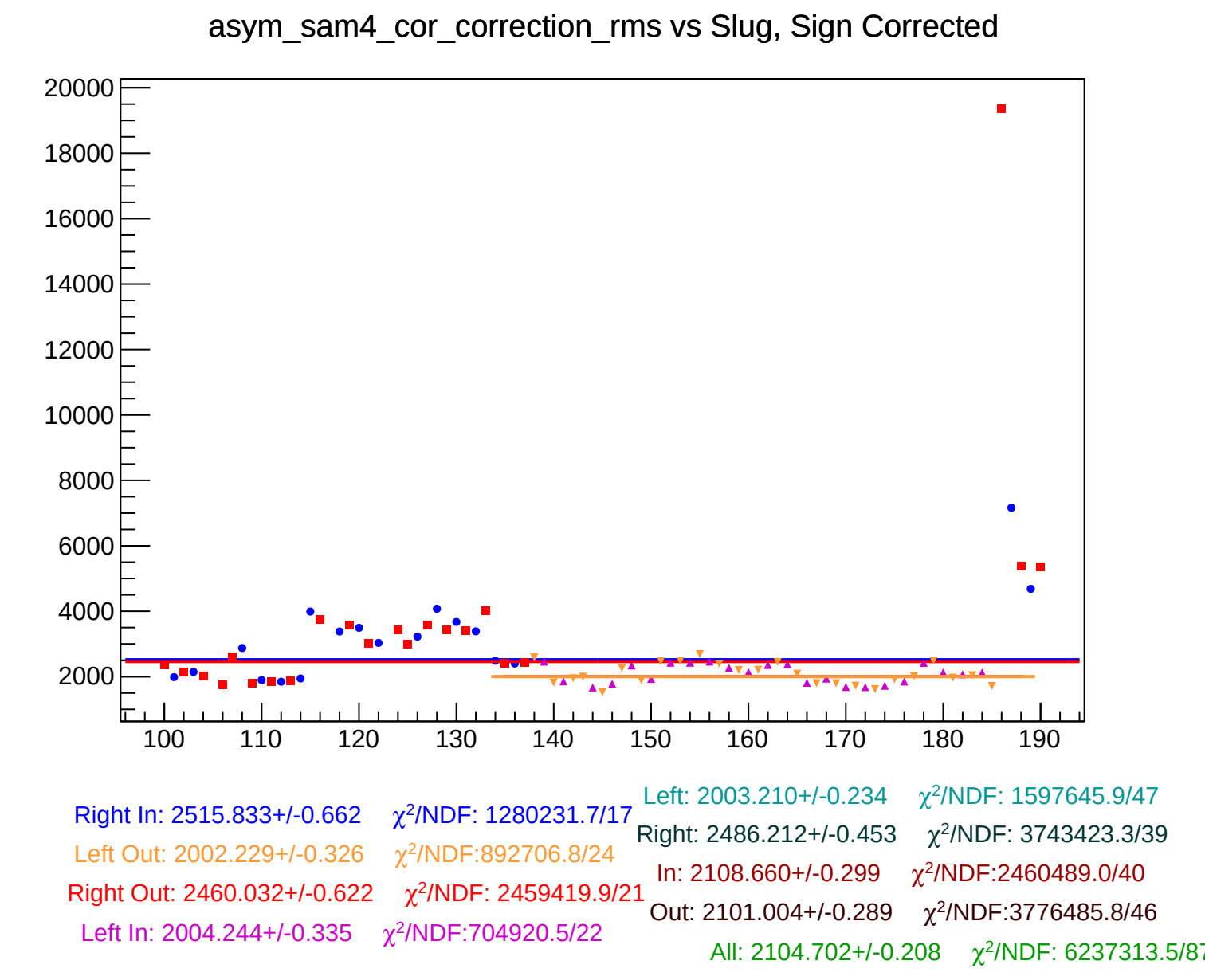
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

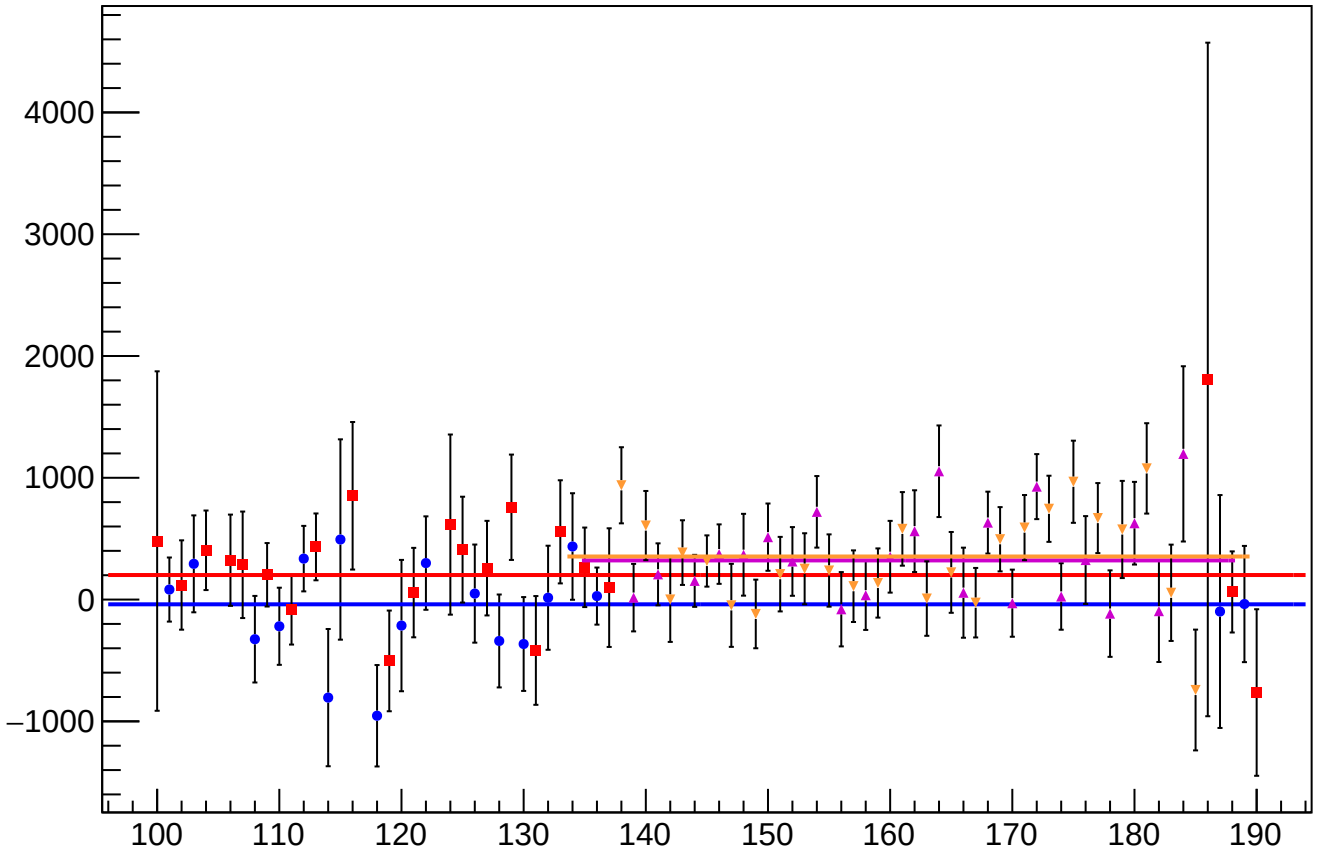
Right: 898.471+/-641.253 χ^2/NDF: 42.4/39

In: 162.522+/-422.947 χ^2/NDF:45.6/40

Out: -1256.572+/-408.824 χ^2/NDF:90.9/46

All: -571.114+/-293.948 χ^2/NDF: 142.3/87


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2515.833+/-0.662 χ²/NDF: 1280231.7/17
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2460.032+/-0.622 χ²/NDF: 2459419.9/21
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2486.212+/-0.453 χ²/NDF: 3743423.3/39
In: 2108.660+/-0.299 χ²/NDF:2460489.0/40
Out: 2101.004+/-0.289 χ²/NDF:3776485.8/46
All: 2104.702+/-0.208 χ²/NDF: 6237313.5/87



Right In: -38.964+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 201.507+/-84.320 χ^2/NDF: 14.0/21

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

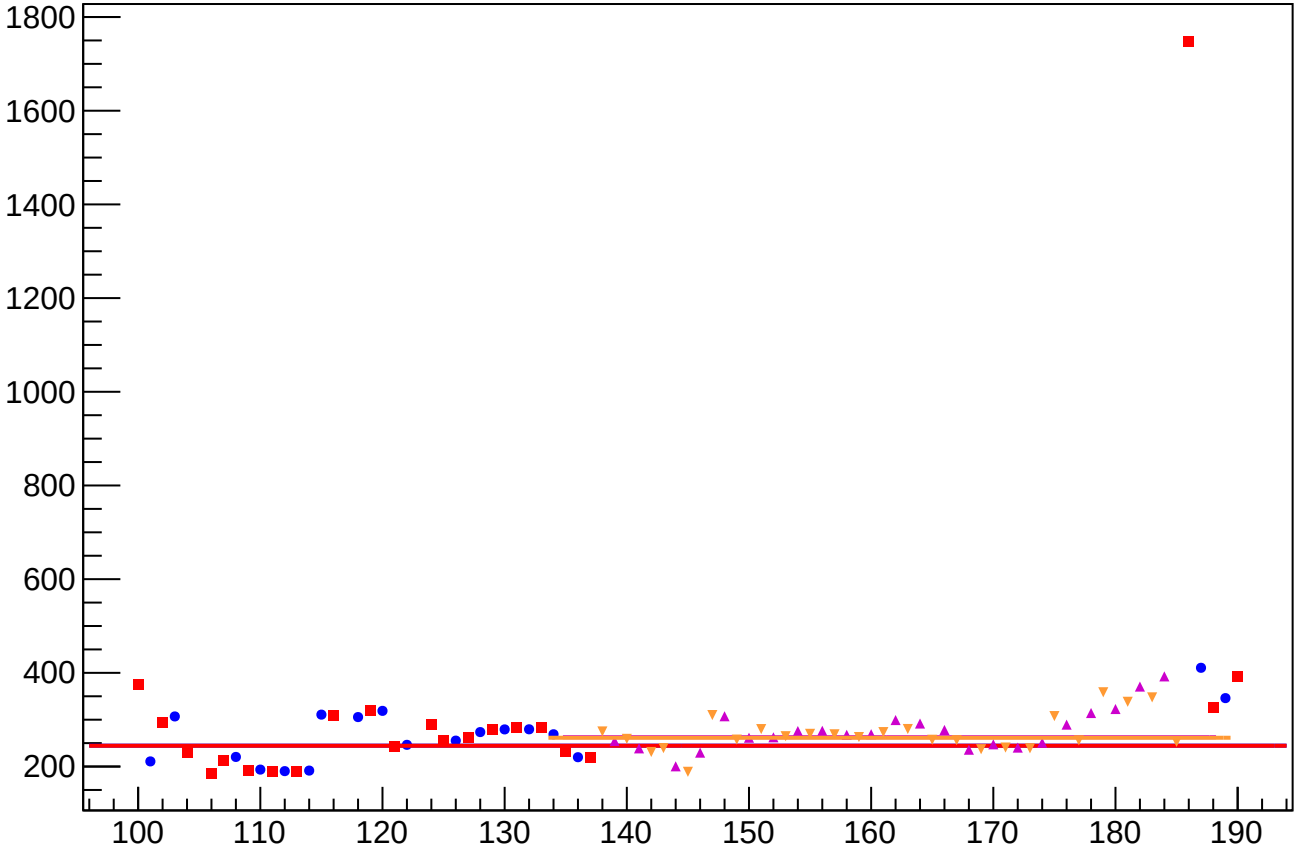
Right: 87.280+/-61.095 χ^2/NDF: 32.3/39

In: 202.809+/-50.868 χ^2/NDF:51.8/40

Out: 302.334+/-48.967 χ^2/NDF:48.5/46

All: 254.466+/-35.278 χ^2/NDF: 102.3/87

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 244.600+/-0.063 χ^2/NDF: 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 244.367+/-0.060 χ^2/NDF: 1313129.8/21

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

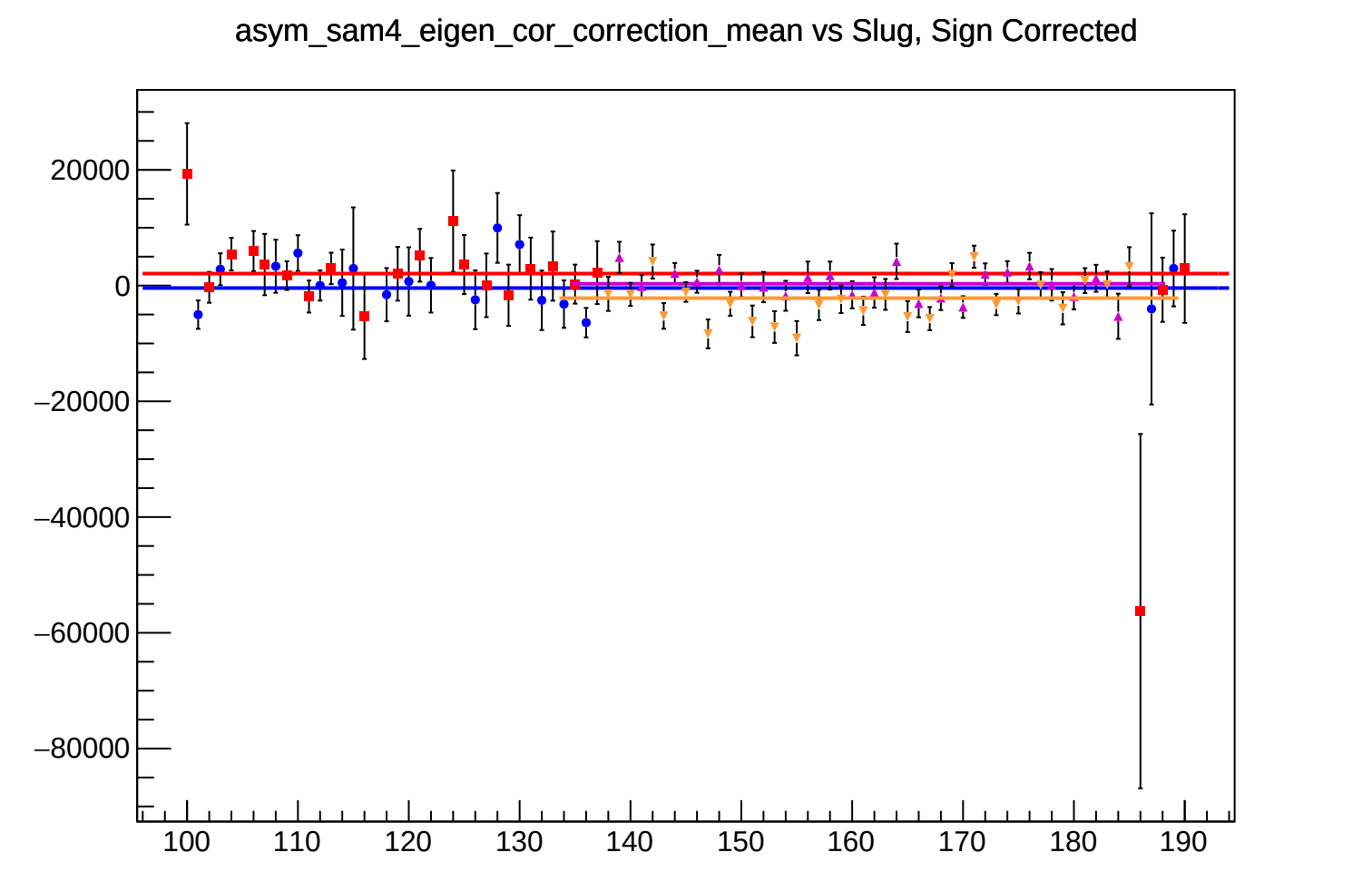
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 244.478+/-0.043 χ^2/NDF: 1871377.7/39

In: 256.683+/-0.036 χ^2/NDF:1284295.0/40

Out: 255.702+/-0.035 χ^2/NDF:2083130.9/46

All: 256.174+/-0.025 χ^2/NDF: 3367812.5/87



Right In: -427.176+/-936.190 χ^2/NDF: 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2070.137+/-880.140 χ^2/NDF: 17.2/21

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

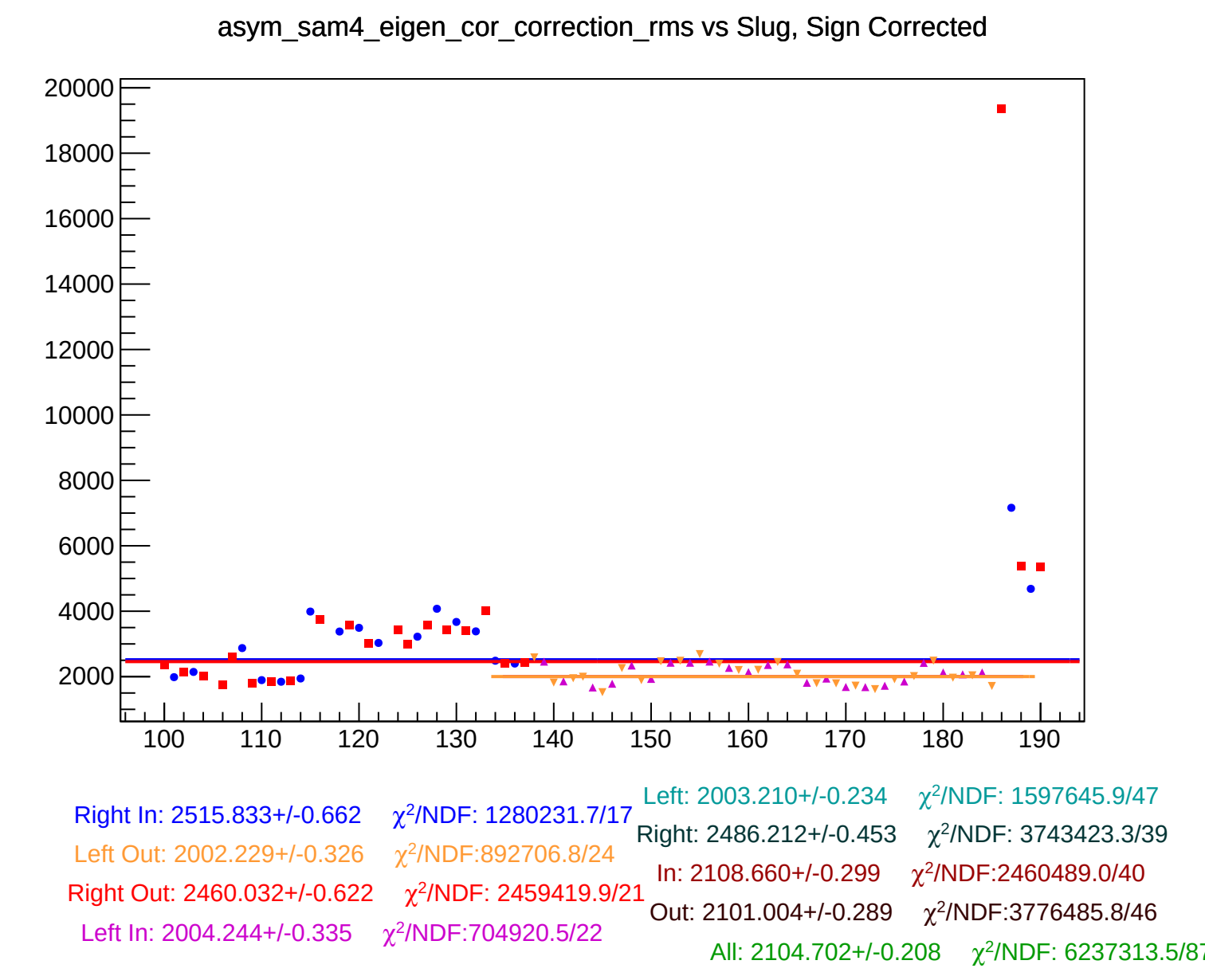
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 898.471+/-641.253 χ^2/NDF: 42.4/39

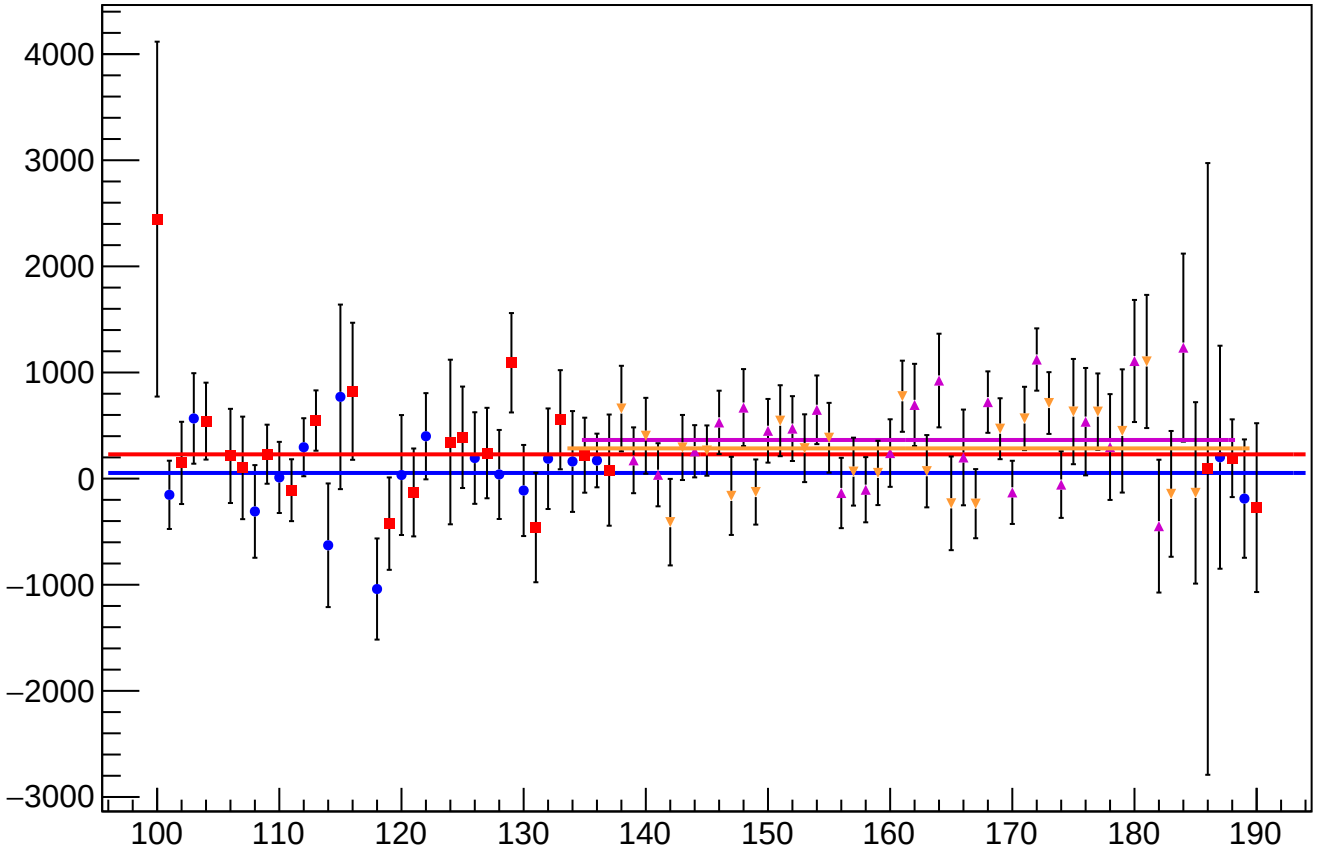
In: 162.522+/-422.947 χ^2/NDF:45.6/40

Out: -1256.572+/-408.824 χ^2/NDF:90.9/46

All: -571.114+/-293.948 χ^2/NDF: 142.3/87


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2515.833+/-0.662 χ²/NDF: 1280231.7/17
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2460.032+/-0.622 χ²/NDF: 2459419.9/21
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2486.212+/-0.453 χ²/NDF: 3743423.3/39
In: 2108.660+/-0.299 χ²/NDF:2460489.0/40
Out: 2101.004+/-0.289 χ²/NDF:3776485.8/46
All: 2104.702+/-0.208 χ²/NDF: 6237313.5/87

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 53.399+/-97.276 χ^2/NDF: 12.2/17

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 228.738+/-91.359 χ^2/NDF: 15.4/21

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

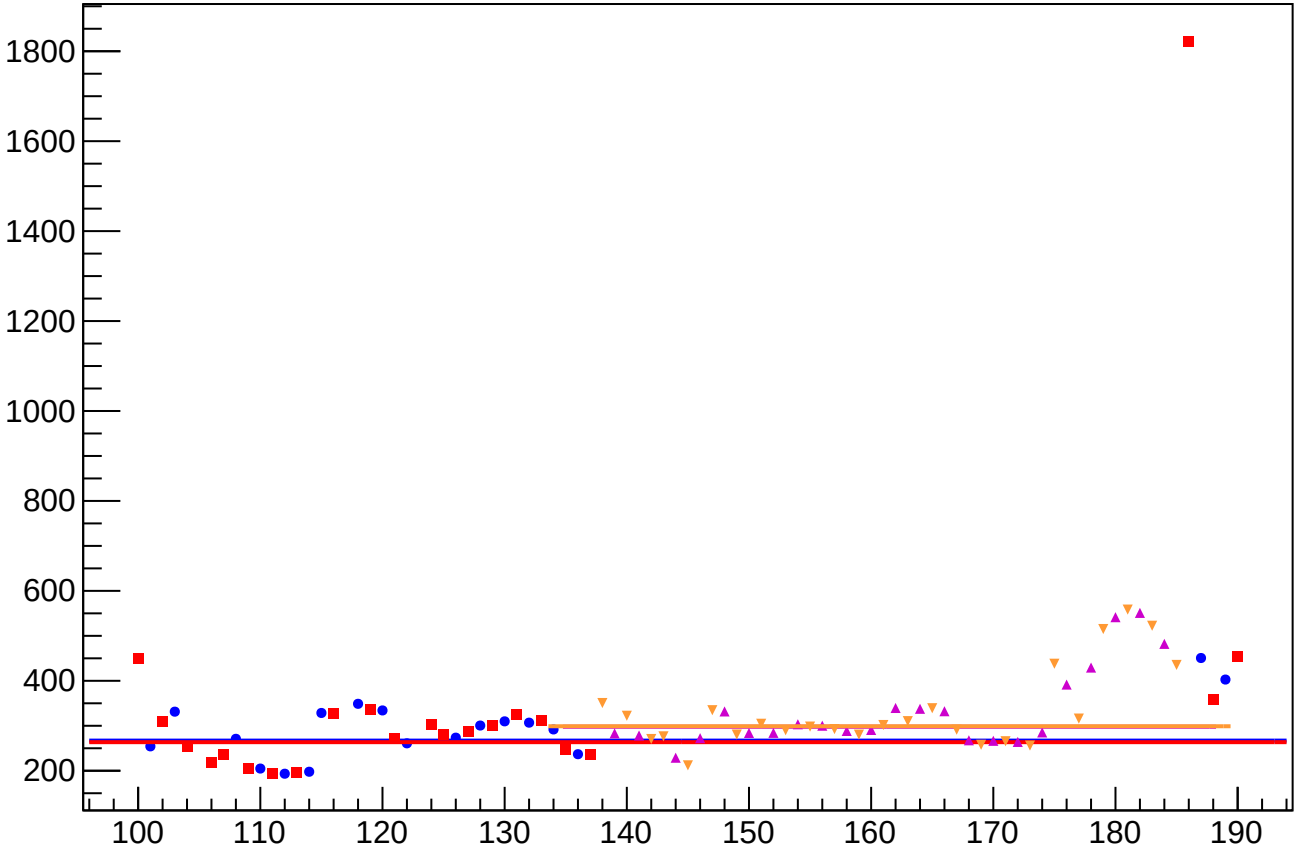
Right: 146.563+/-66.594 χ^2/NDF: 29.3/39

In: 254.737+/-57.723 χ^2/NDF:47.0/40

Out: 264.120+/-55.583 χ^2/NDF:38.4/46

All: 259.606+/-40.038 χ^2/NDF: 85.5/87

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 267.025+/-0.069 χ^2/NDF: 649458.0/17

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 263.556+/-0.065 χ^2/NDF: 1394428.6/21

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

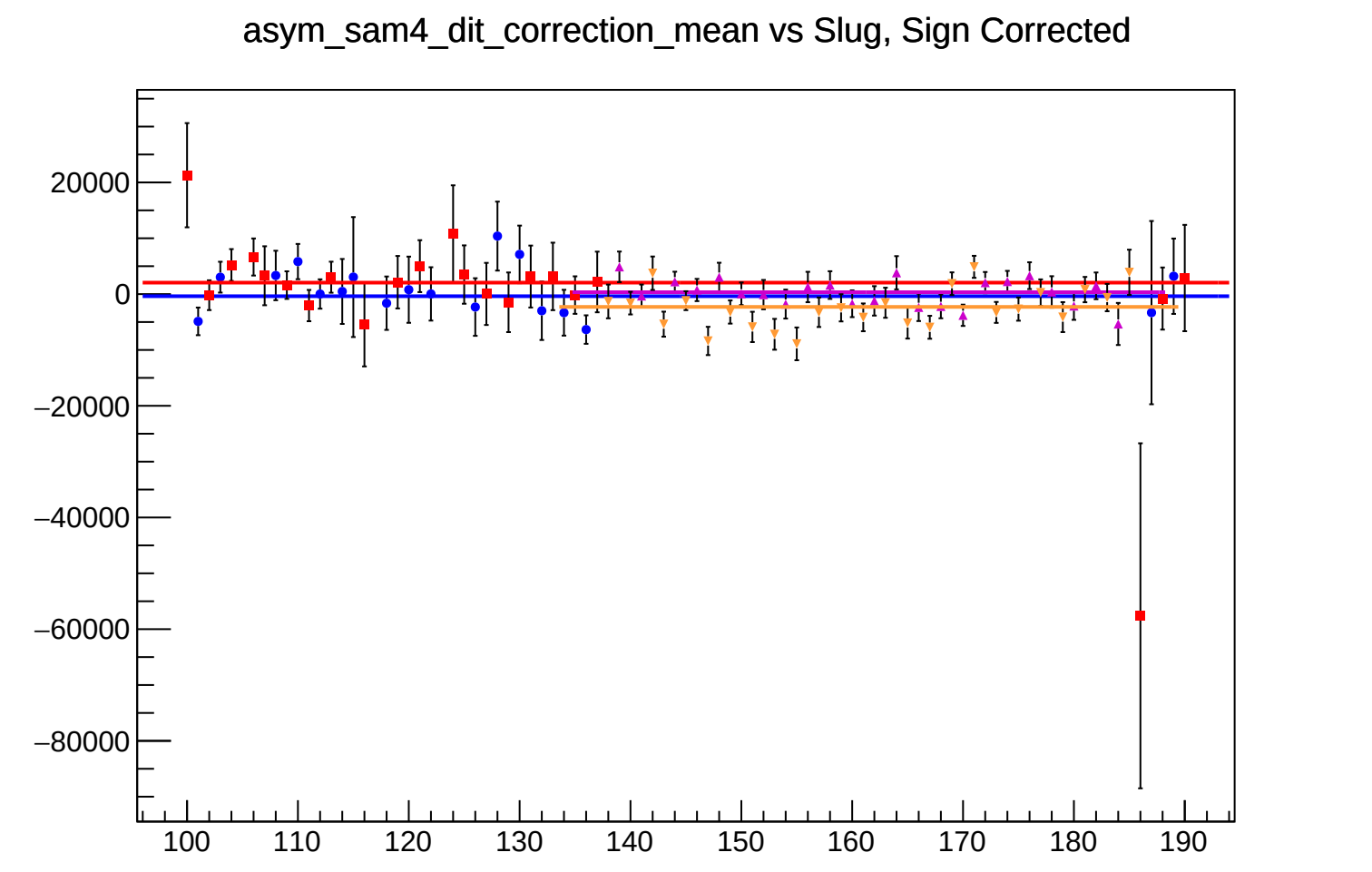
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 265.182+/-0.047 χ^2/NDF: 2045237.5/39

In: 287.019+/-0.041 χ^2/NDF:2098933.1/40

Out: 285.841+/-0.039 χ^2/NDF:3196443.7/46

All: 286.408+/-0.028 χ^2/NDF: 5295808.5/87



Right In: -375.044+/-944.143 χ^2/NDF: 21.5/17

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2053.917+/-885.276 χ^2/NDF: 18.0/21

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

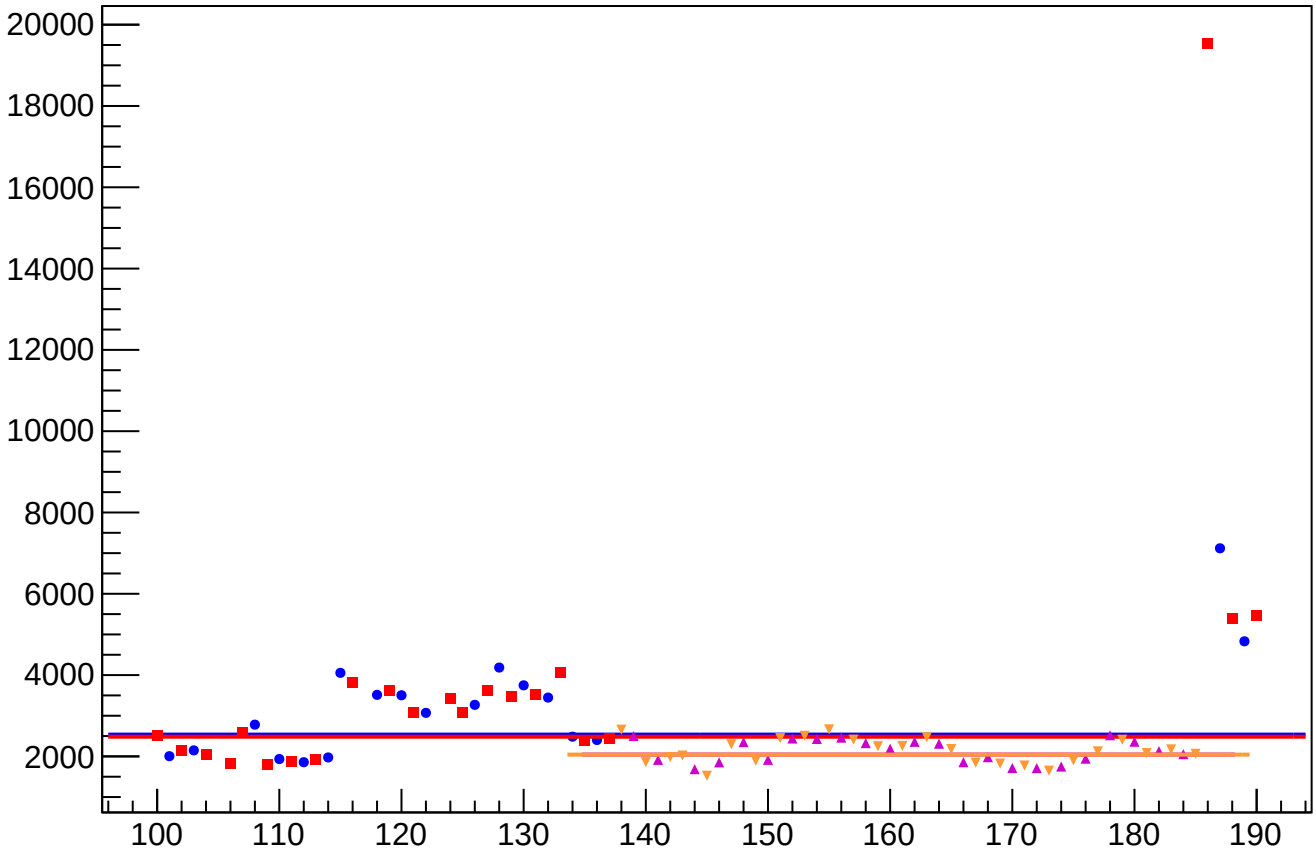
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 917.514+/-645.793 χ^2/NDF: 43.1/39

In: 193.455+/-430.426 χ^2/NDF:44.8/40

Out: -1333.968+/-415.480 χ^2/NDF:88.5/46

All: -597.236+/-298.933 χ^2/NDF: 139.8/87



Right In: 2536.116+/-0.668 χ^2/NDF: 1311840.1/17

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2483.929+/-0.626 χ^2/NDF: 2465457.7/21

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

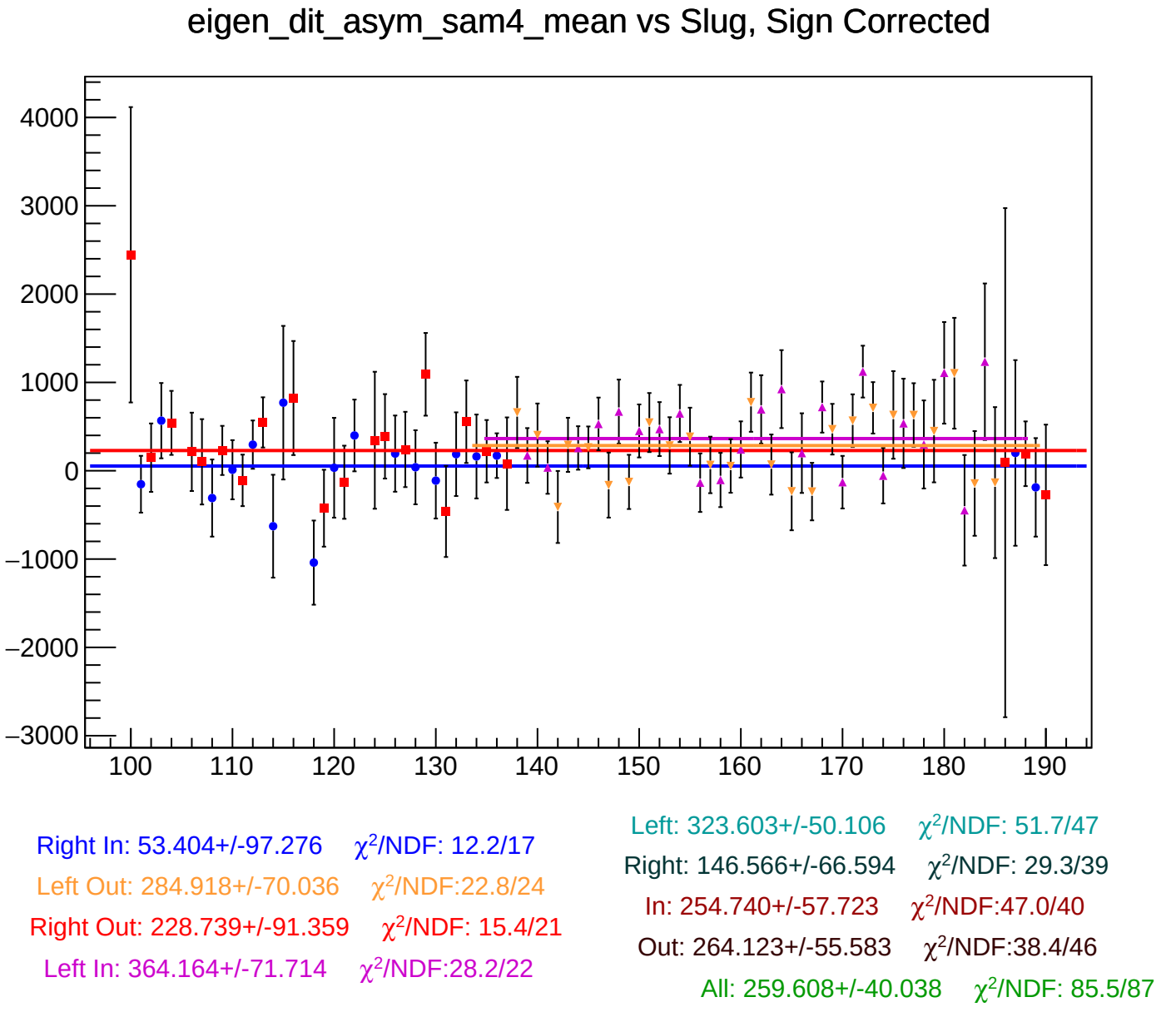
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2508.345+/-0.457 χ^2/NDF: 3780549.5/39

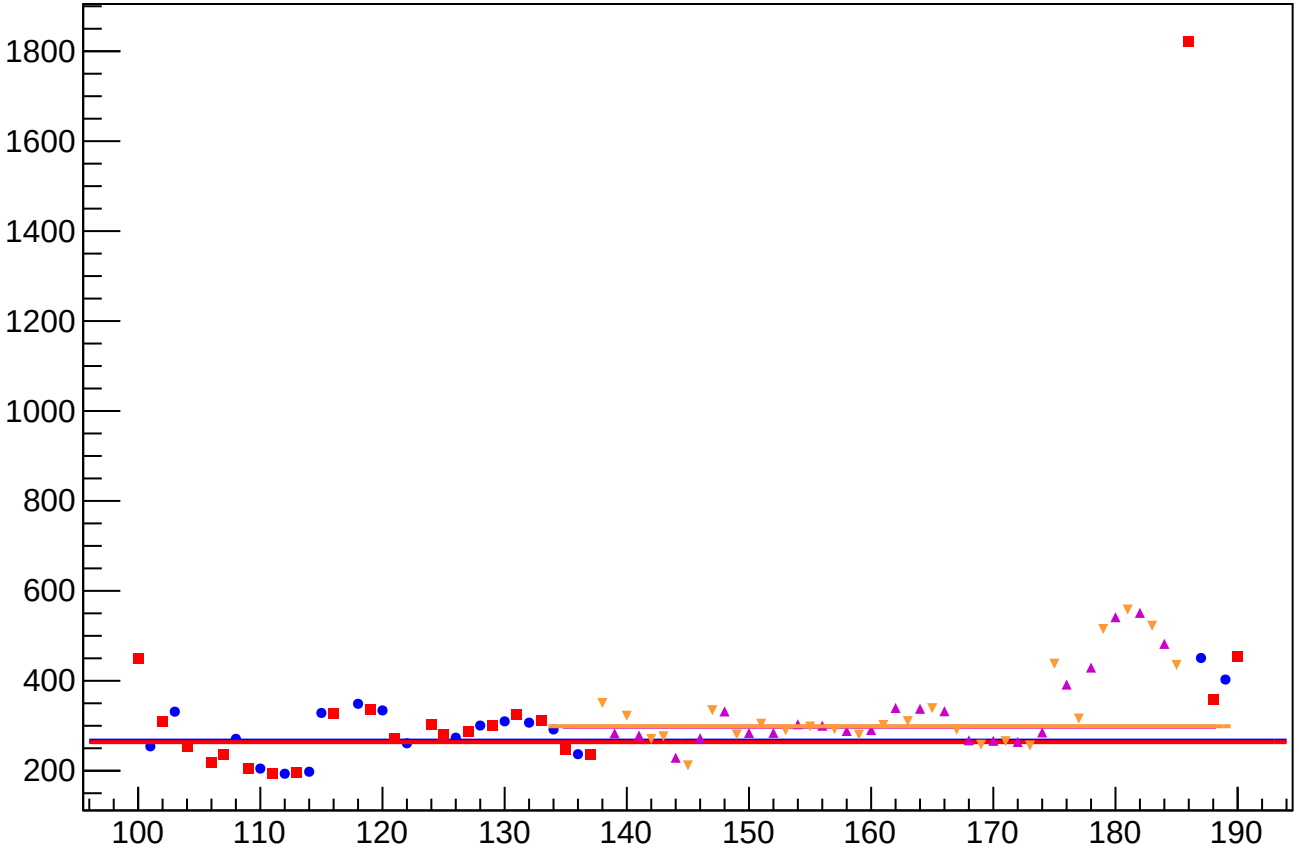
In: 2147.213+/-0.304 χ^2/NDF:2430433.2/40

Out: 2140.702+/-0.294 χ^2/NDF:3704406.2/46

All: 2143.842+/-0.211 χ^2/NDF: 6135076.3/87


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 53.404+/-97.276 χ²/NDF: 12.2/17
Left Out: 284.918+/-70.036 χ²/NDF:22.8/24
Right Out: 228.739+/-91.359 χ²/NDF: 15.4/21
Left In: 364.164+/-71.714 χ²/NDF:28.2/22
Left: 323.603+/-50.106 χ²/NDF: 51.7/47
Right: 146.566+/-66.594 χ²/NDF: 29.3/39
In: 254.740+/-57.723 χ²/NDF:47.0/40
Out: 264.123+/-55.583 χ²/NDF:38.4/46
All: 259.608+/-40.038 χ²/NDF: 85.5/87

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 267.025+/-0.069 χ^2/NDF: 649457.3/17

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 263.556+/-0.065 χ^2/NDF: 1394433.7/21

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

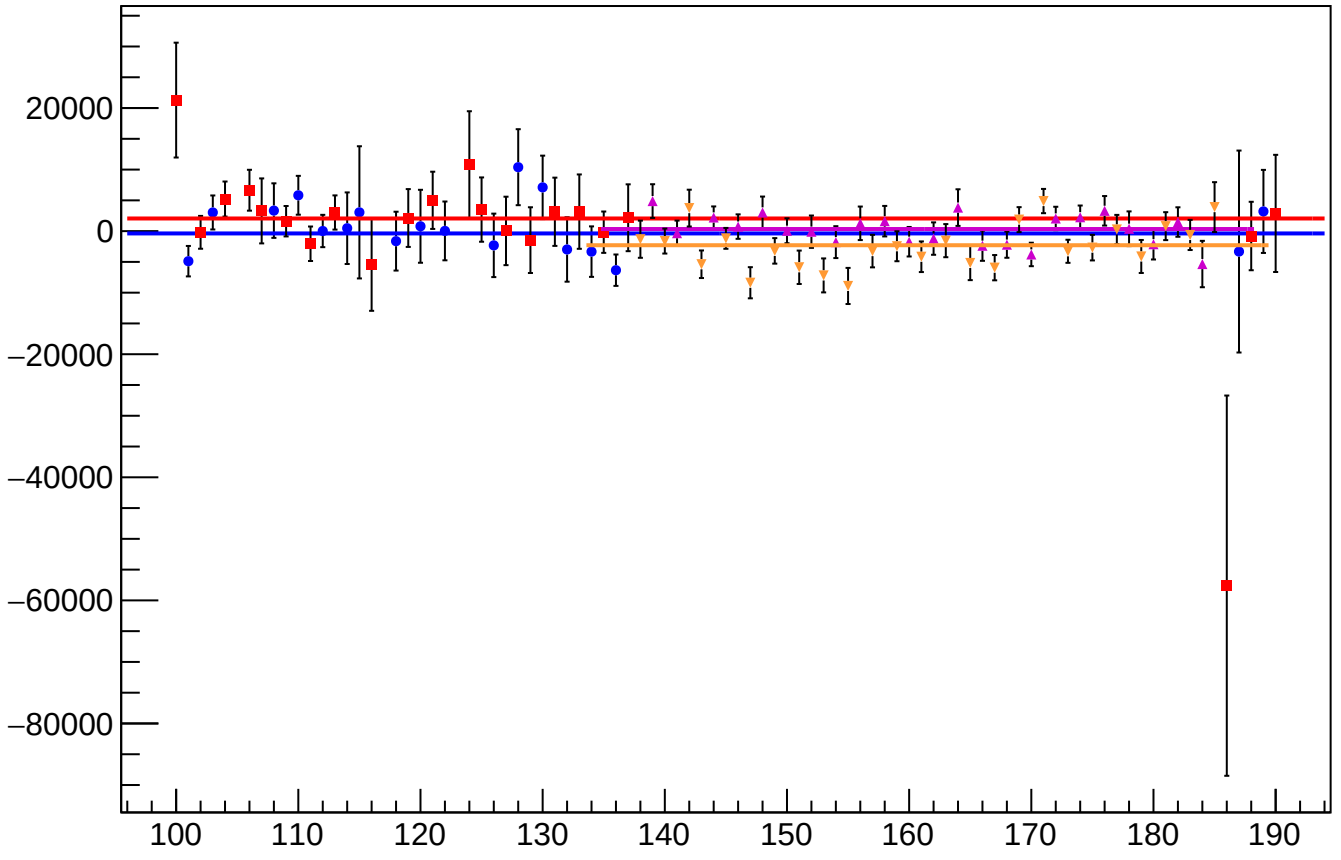
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 265.182+/-0.047 χ^2/NDF: 2045242.0/39

In: 287.019+/-0.041 χ^2/NDF:2098916.0/40

Out: 285.842+/-0.039 χ^2/NDF:3196449.1/46

All: 286.408+/-0.028 χ^2/NDF: 5295796.8/87



Right In: -375.043+/-944.143 χ^2/NDF: 21.5/17

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2053.915+/-885.276 χ^2/NDF: 18.0/21

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

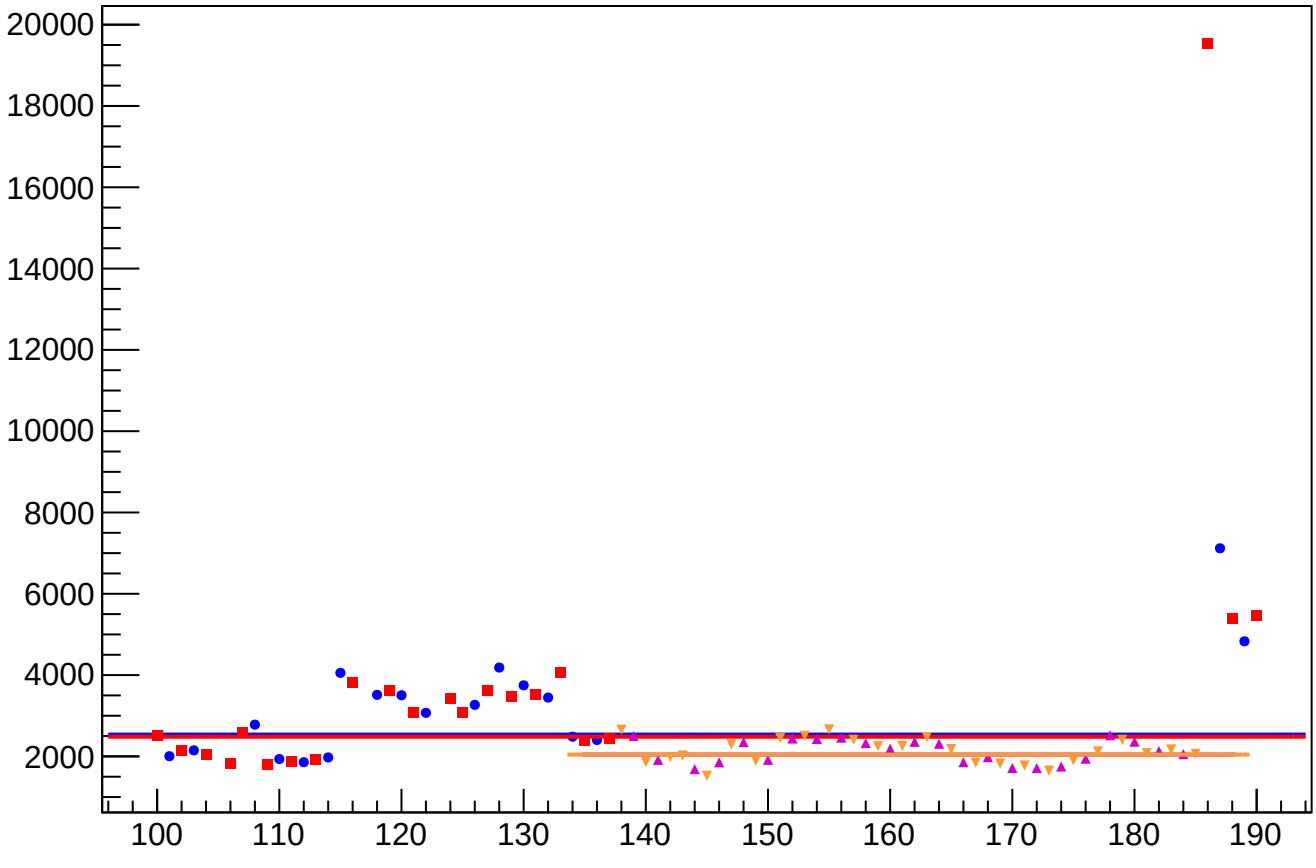
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 917.514+/-645.793 χ^2/NDF: 43.1/39

In: 193.453+/-430.425 χ^2/NDF:44.8/40

Out: -1333.965+/-415.479 χ^2/NDF:88.5/46

All: -597.235+/-298.932 χ^2/NDF: 139.8/87



Right In: 2536.114+/-0.668 χ^2/NDF: 1311842.4/17

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2483.928+/-0.626 χ^2/NDF: 2465457.8/21

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

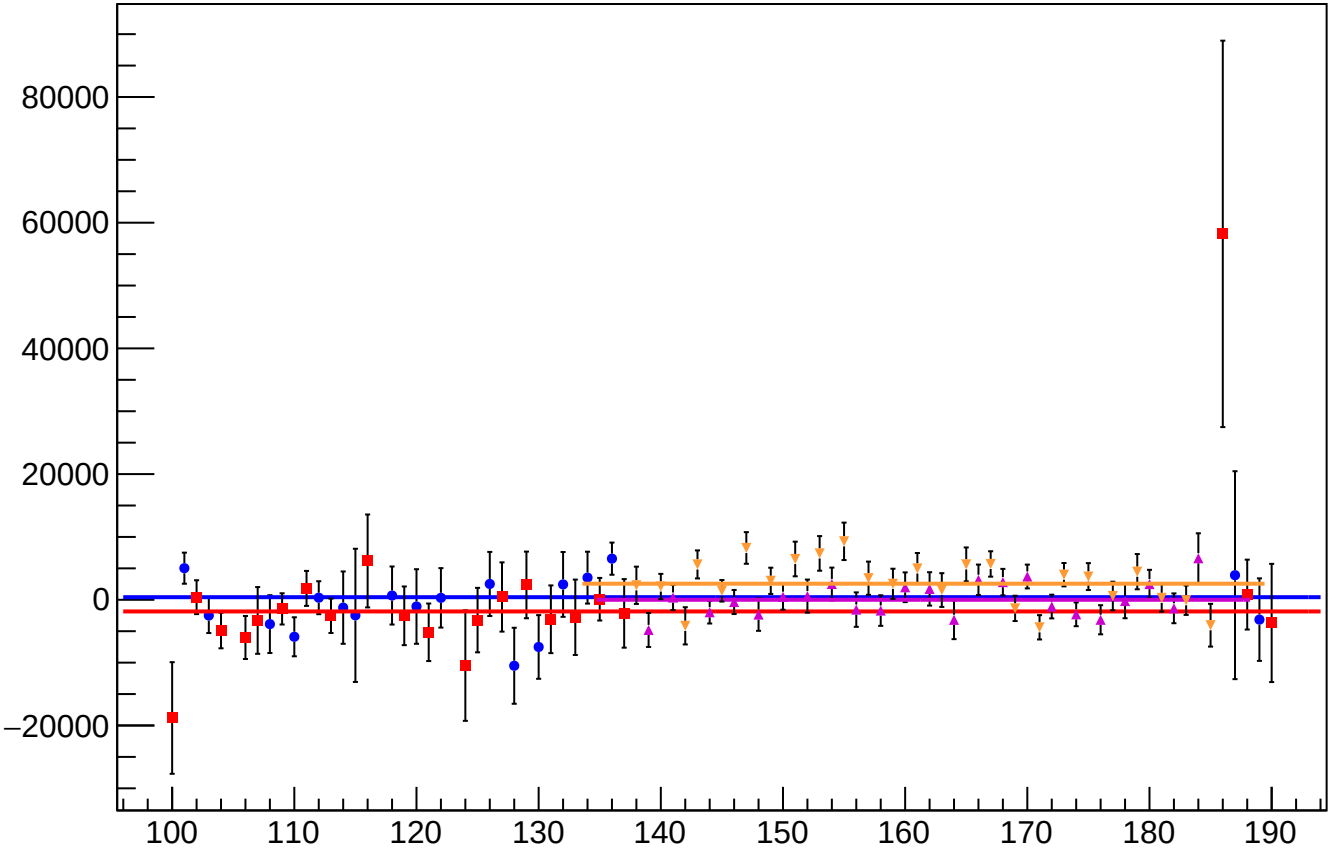
Right: 2508.344+/-0.457 χ^2/NDF: 3780551.8/39

In: 2147.210+/-0.304 χ^2/NDF:2430436.8/40

Out: 2140.699+/-0.294 χ^2/NDF:3704411.7/46

All: 2143.840+/-0.211 χ^2/NDF: 6135085.3/87

asym_sam4_mean vs Slug, Sign Corrected



Right In: 413.758+/-941.349 χ^2/NDF: 22.5/17

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -1854.659+/-883.849 χ^2/NDF: 16.9/21

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

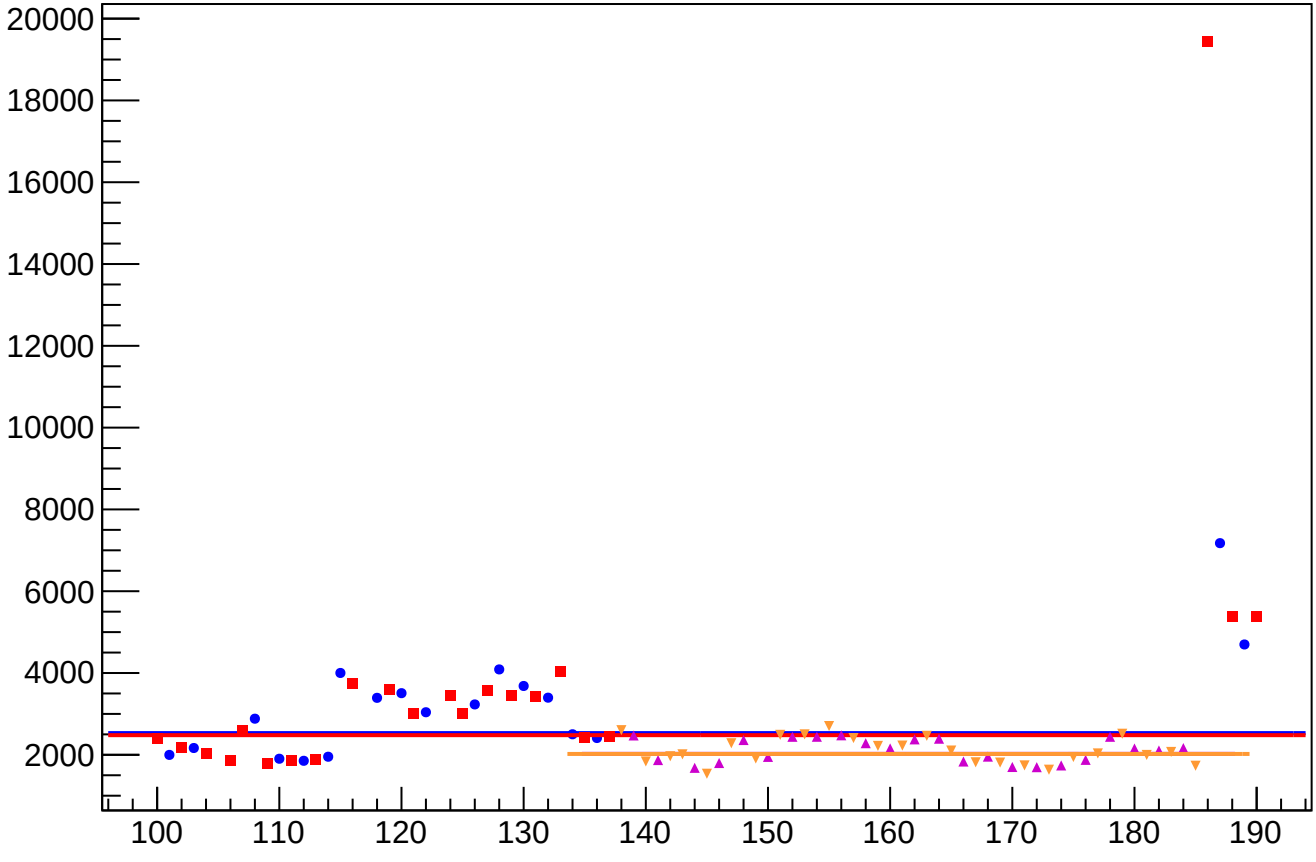
Right: -791.841+/-644.345 χ^2/NDF: 42.5/39

In: 87.721+/-426.565 χ^2/NDF:47.3/40

Out: 1599.177+/-412.176 χ^2/NDF:89.1/46

All: 869.371+/-296.409 χ^2/NDF: 142.9/87

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2530.678+/-0.666 χ^2/NDF: 1269921.7/17

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2480.327+/-0.625 χ^2/NDF: 2424159.0/21

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

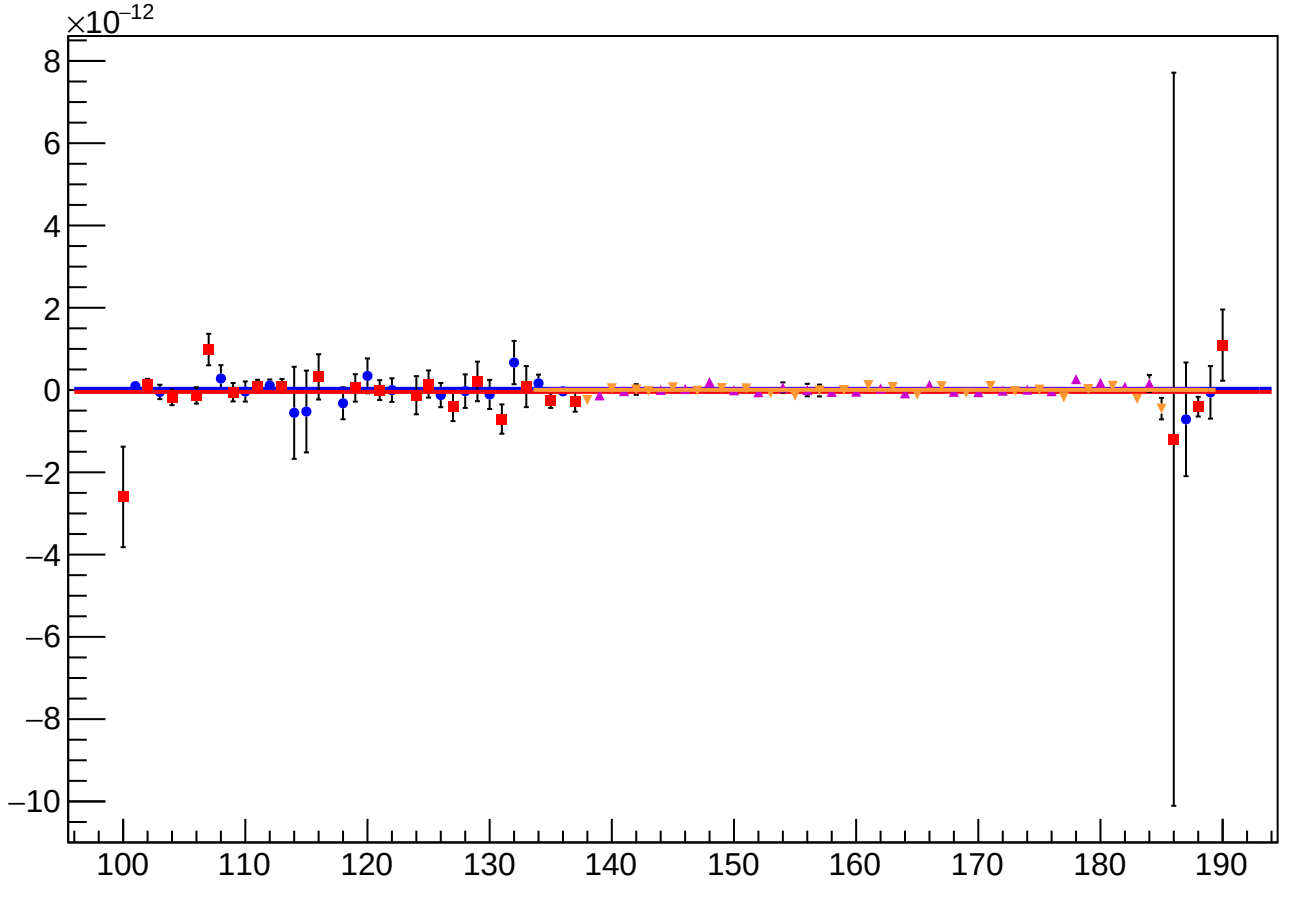
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2503.918+/-0.456 χ^2/NDF: 3697121.8/39

In: 2127.471+/-0.302 χ^2/NDF:2427723.2/40

Out: 2121.100+/-0.291 χ^2/NDF:3727725.0/46

All: 2124.176+/-0.210 χ^2/NDF: 6155679.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 6.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/21

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

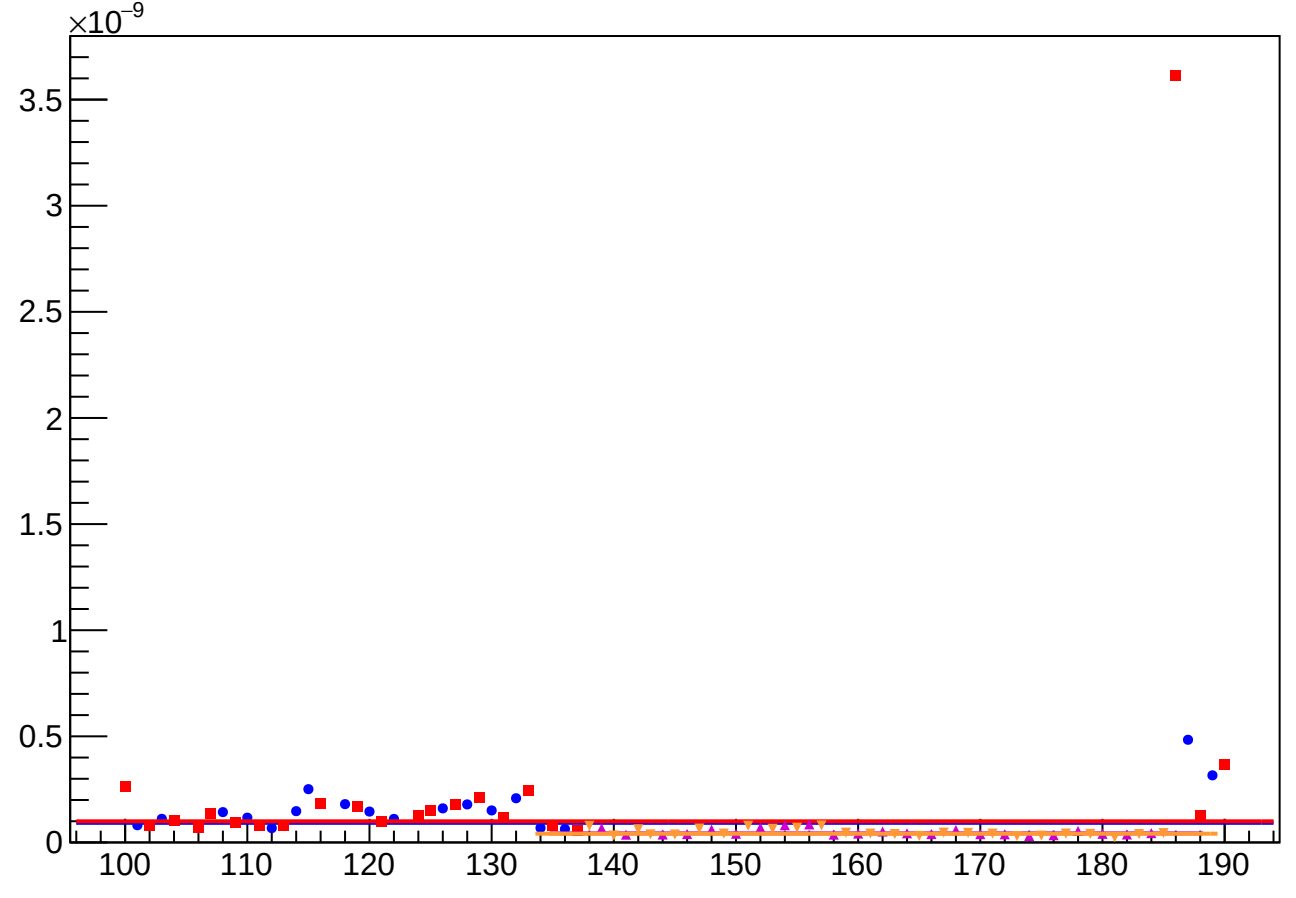
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: -0.000+/-0.000 χ^2/NDF: 34.6/39

In: 0.000+/-0.000 χ^2/NDF:27.4/40

Out: 0.000+/-0.000 χ^2/NDF:60.1/46

All: 0.000+/-0.000 χ^2/NDF: 87.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 1335145.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1385132.4/21

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

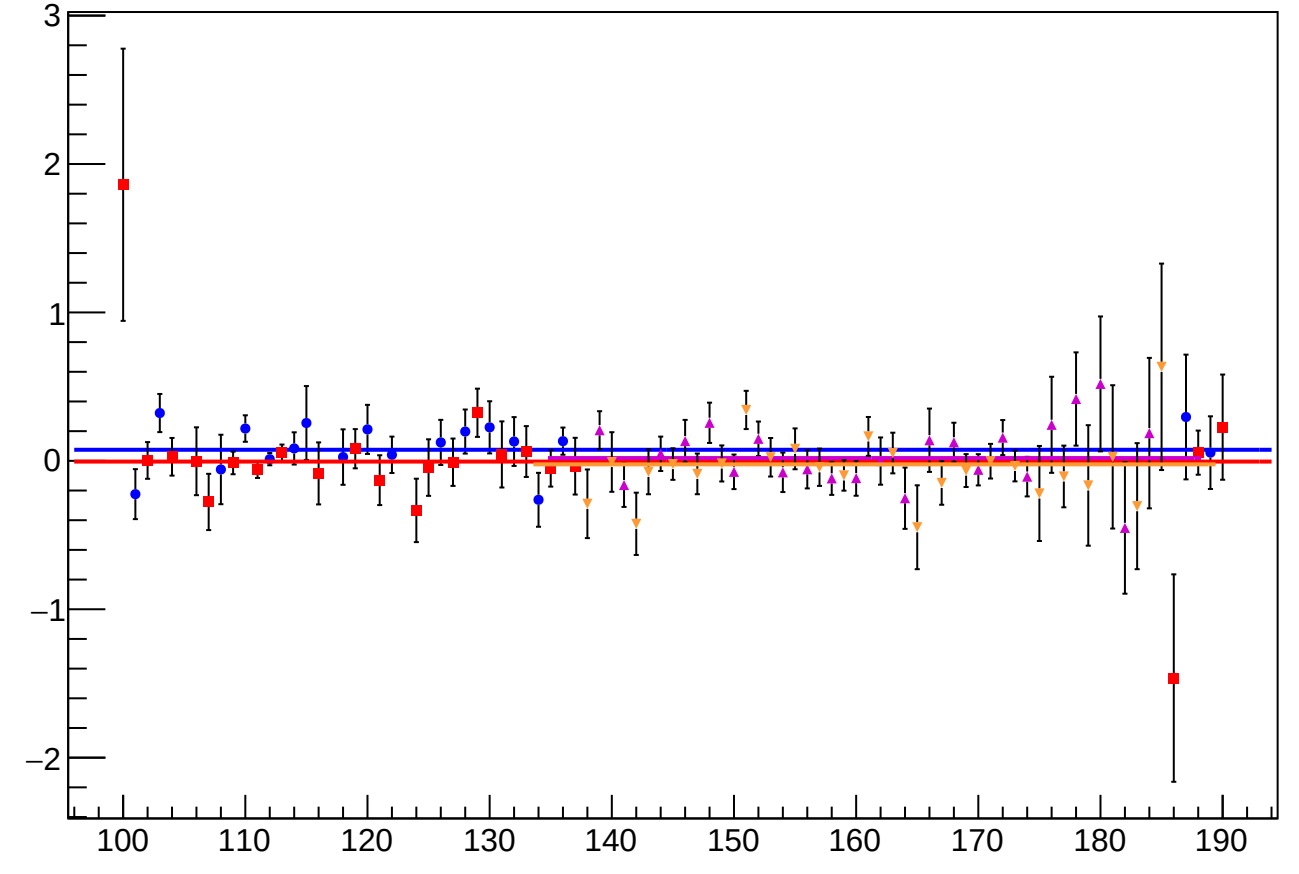
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2737883.6/39

In: 0.000+/-0.000 χ^2/NDF:3893336.5/40

Out: 0.000+/-0.000 χ^2/NDF:4741753.9/46

All: 0.000+/-0.000 χ^2/NDF: 8647610.4/87



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.005+/-0.026 χ^2/NDF: 21.4/21

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

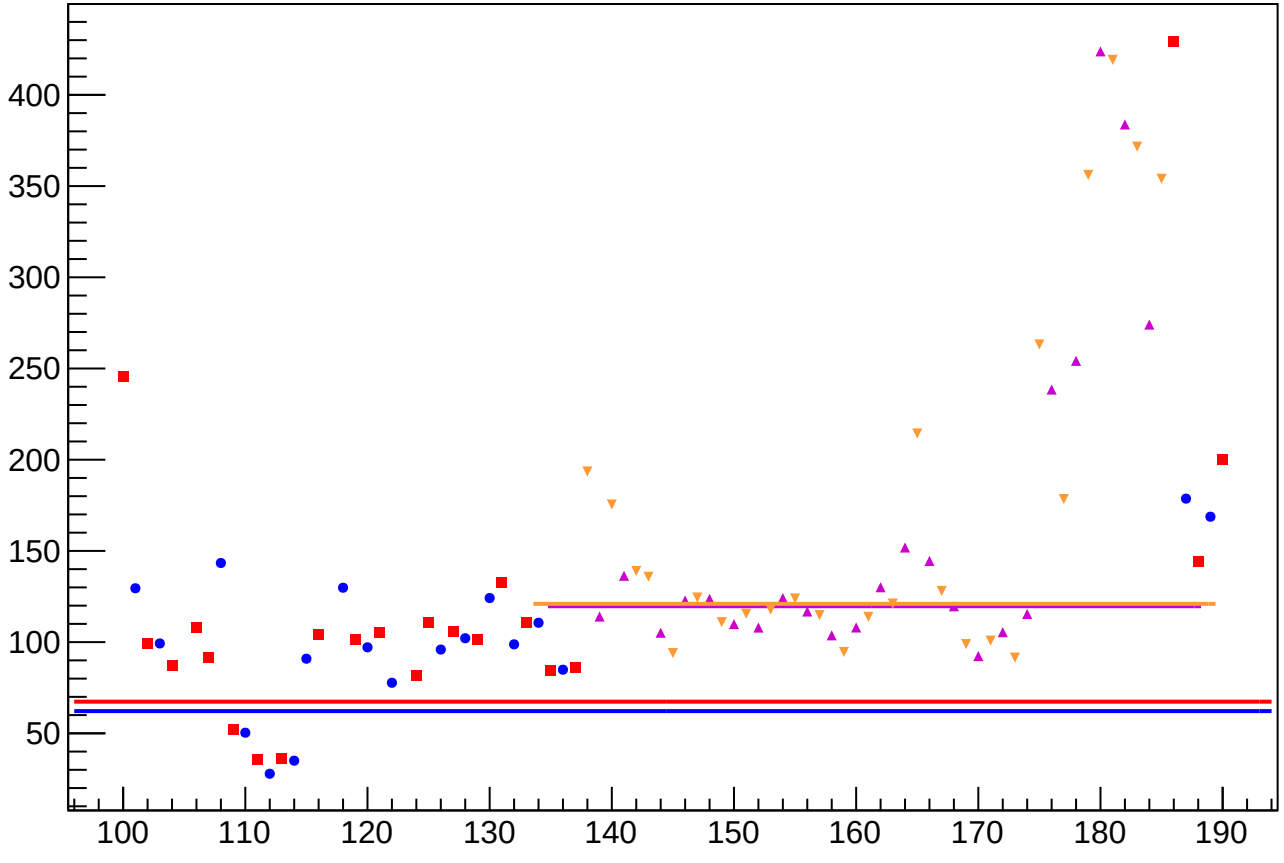
Right: 0.034+/-0.019 χ^2/NDF: 45.1/39

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.013+/-0.020 χ^2/NDF:43.8/46

All: 0.018+/-0.014 χ^2/NDF: 93.0/87

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.180+/-0.019 χ^2/NDF: 4079456.1/17

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 67.356+/-0.019 χ^2/NDF: 4048109.1/21

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

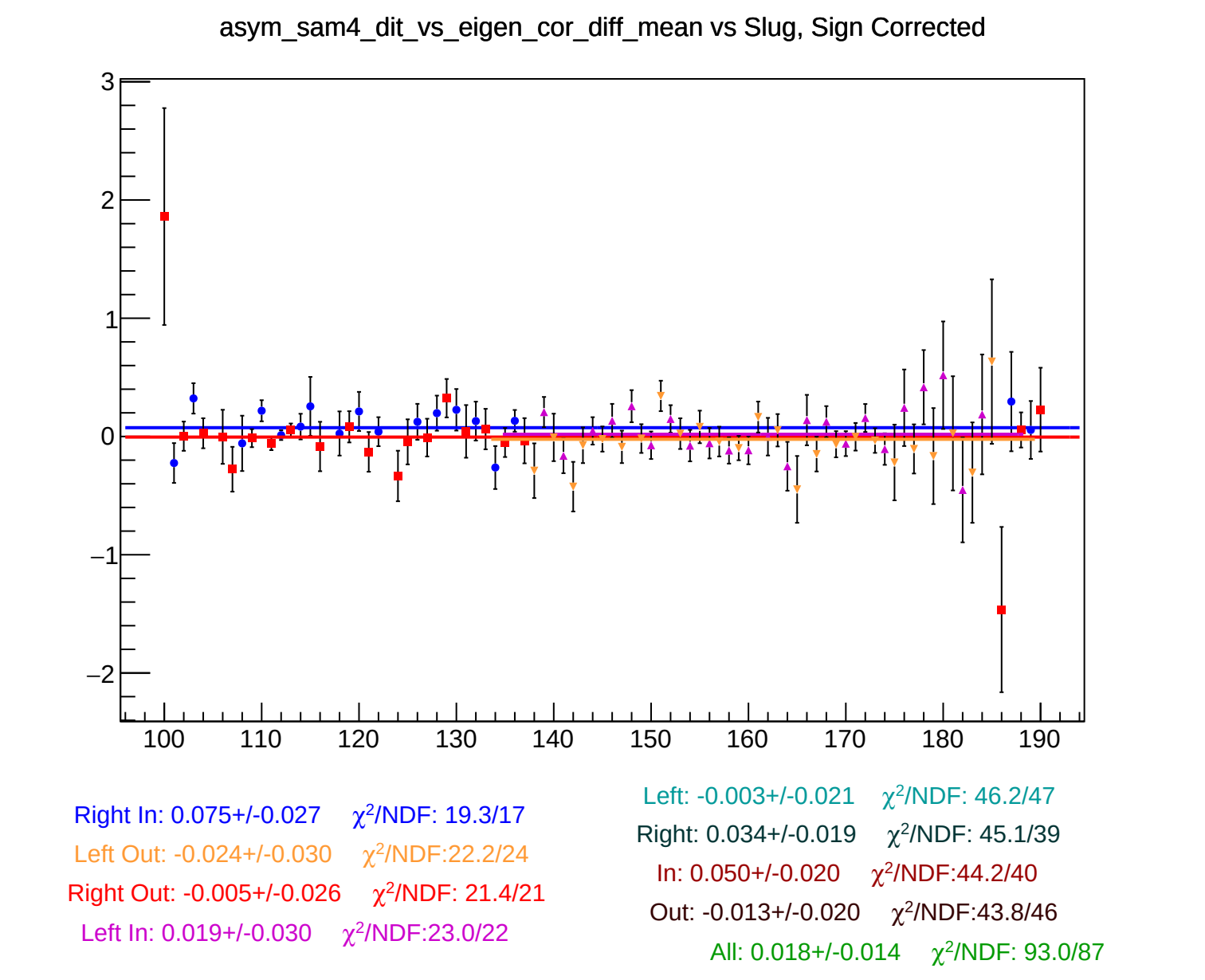
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

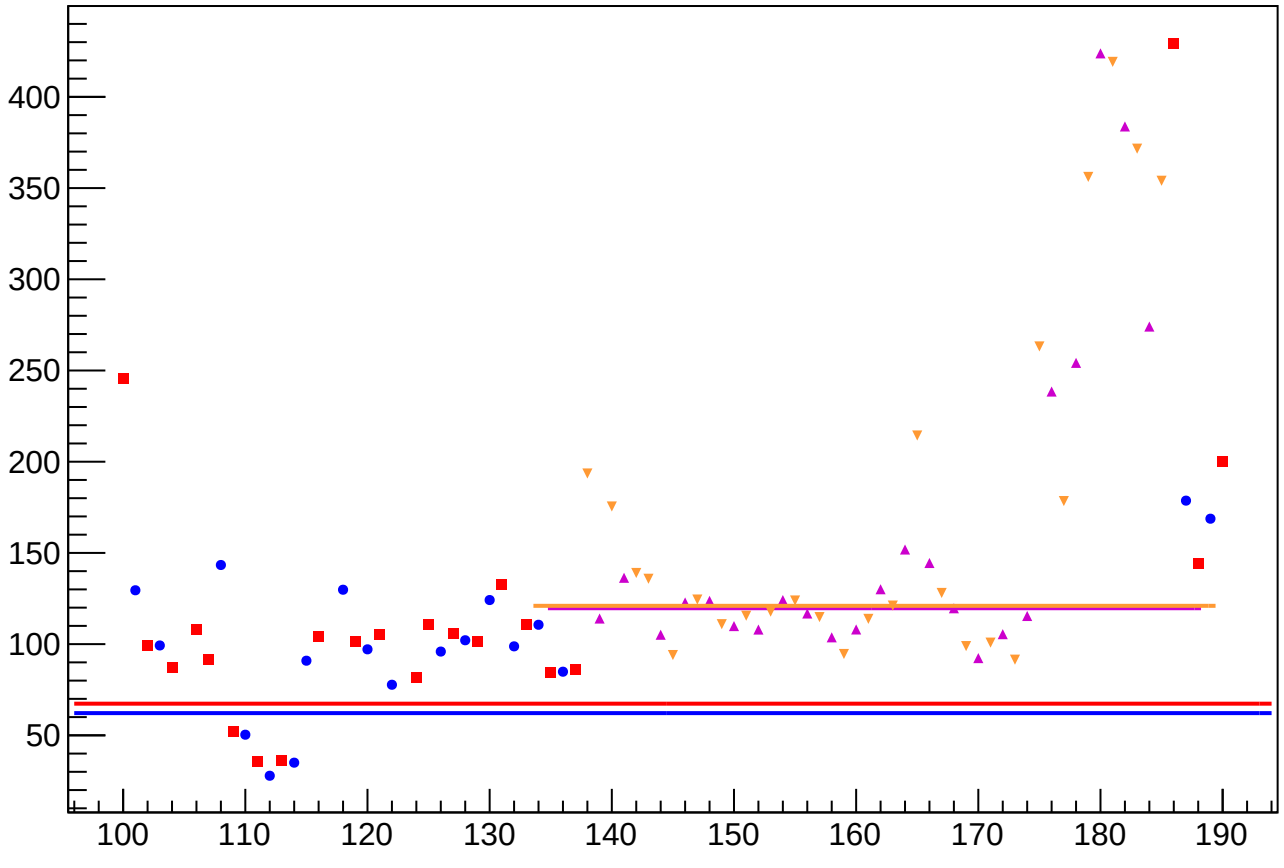
Right: 64.815+/-0.013 χ^2/NDF: 8165564.4/39

In: 87.482+/-0.014 χ^2/NDF:10970637.3/40

Out: 90.765+/-0.014 χ^2/NDF:11770908.0/46

All: 89.148+/-0.010 χ^2/NDF: 22768752.6/87


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.075+/-0.027 χ²/NDF: 19.3/17
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.005+/-0.026 χ²/NDF: 21.4/21
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.034+/-0.019 χ²/NDF: 45.1/39
In: 0.050+/-0.020 χ²/NDF:44.2/40
Out: -0.013+/-0.020 χ²/NDF:43.8/46
All: 0.018+/-0.014 χ²/NDF: 93.0/87



Right In: 62.180+/-0.019 χ^2/NDF: 4079456.1/17

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 67.356+/-0.019 χ^2/NDF: 4048109.1/21

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

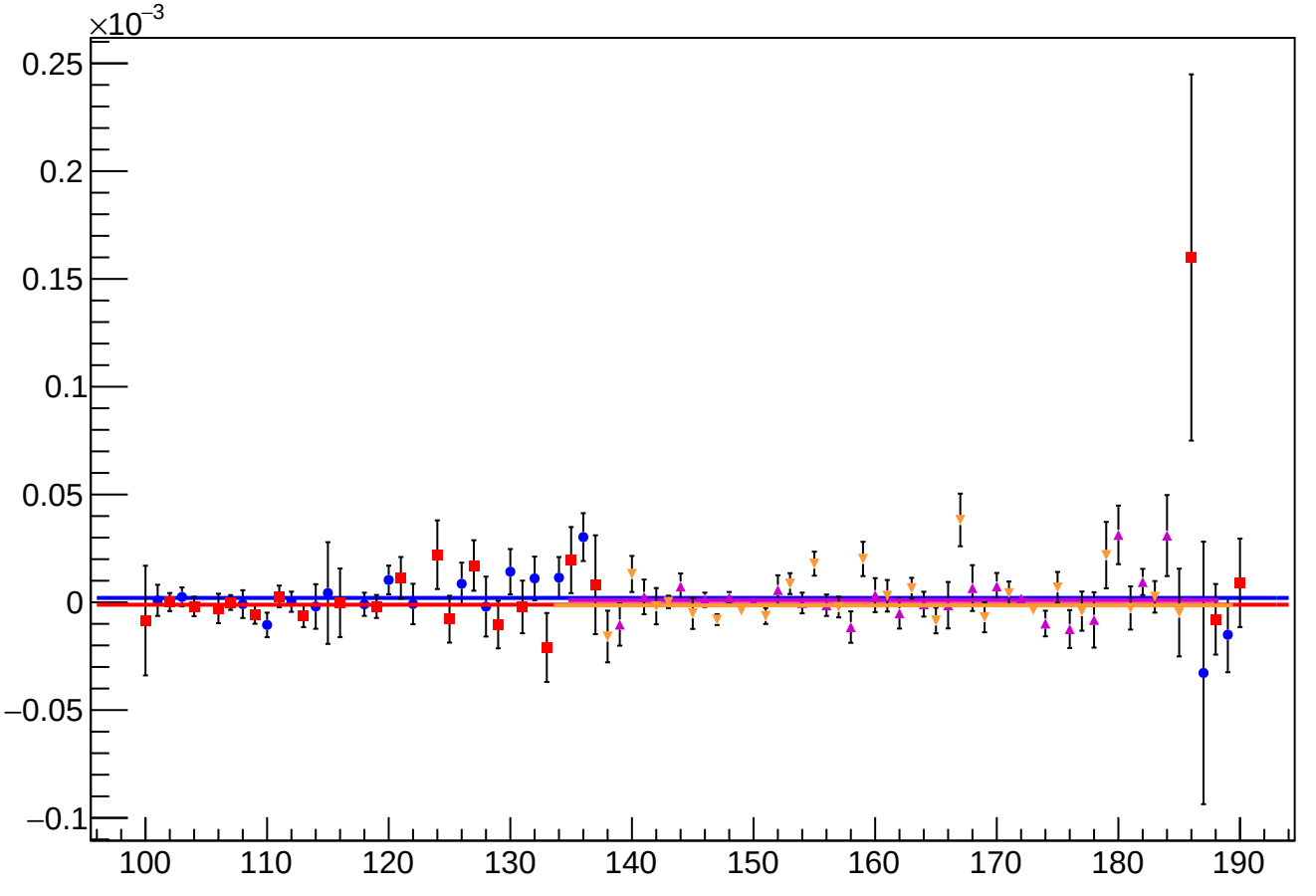
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 64.815+/-0.013 χ^2/NDF: 8165564.4/39

In: 87.482+/-0.014 χ^2/NDF:10970637.3/40

Out: 90.765+/-0.014 χ^2/NDF:11770908.0/46

All: 89.148+/-0.010 χ^2/NDF: 22768752.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/21

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

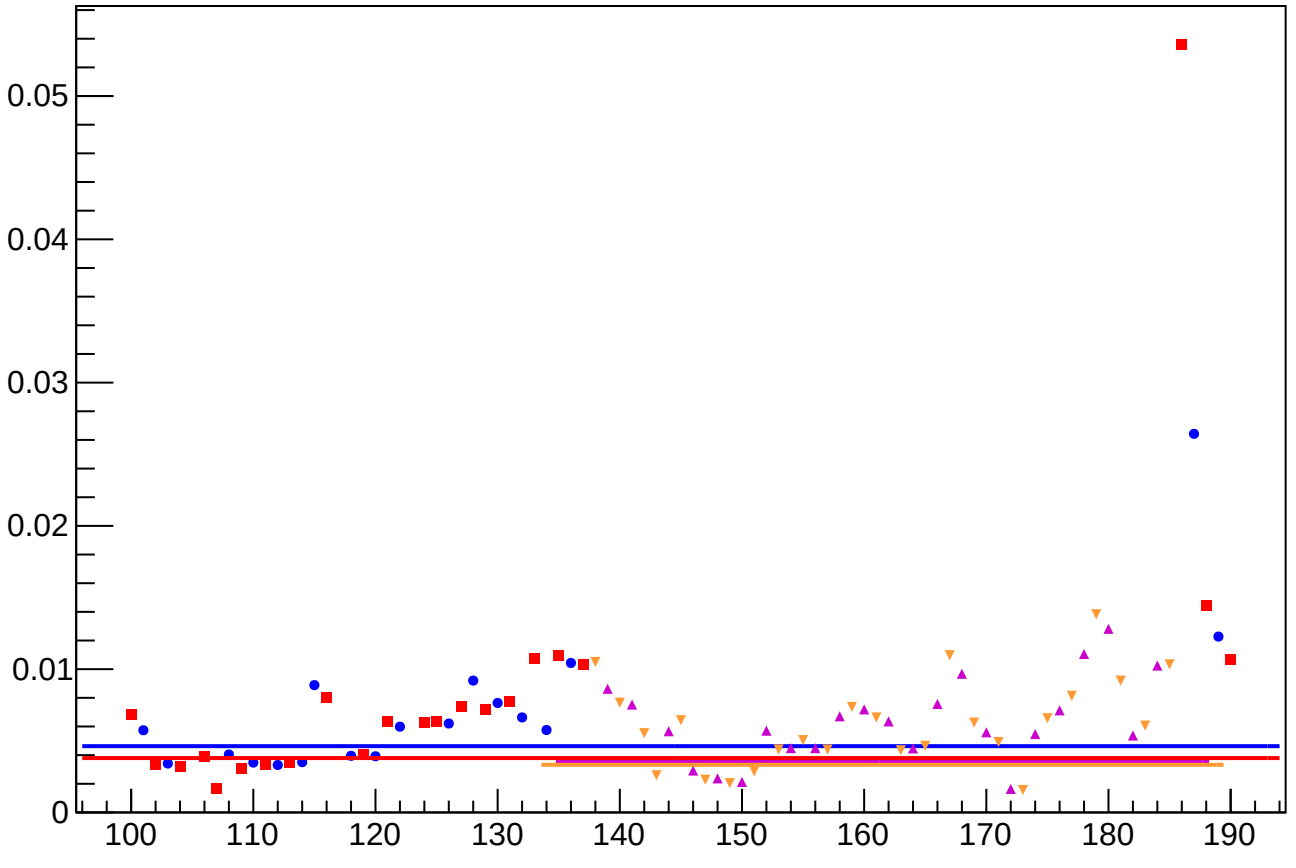
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 38.7/39

In: 0.000+/-0.000 χ^2/NDF:43.5/40

Out: -0.000+/-0.000 χ^2/NDF:78.6/46

All: -0.000+/-0.000 χ^2/NDF: 127.0/87



Right In: 0.005+/-0.000 χ^2/NDF: 2370793.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4709621.7/21

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

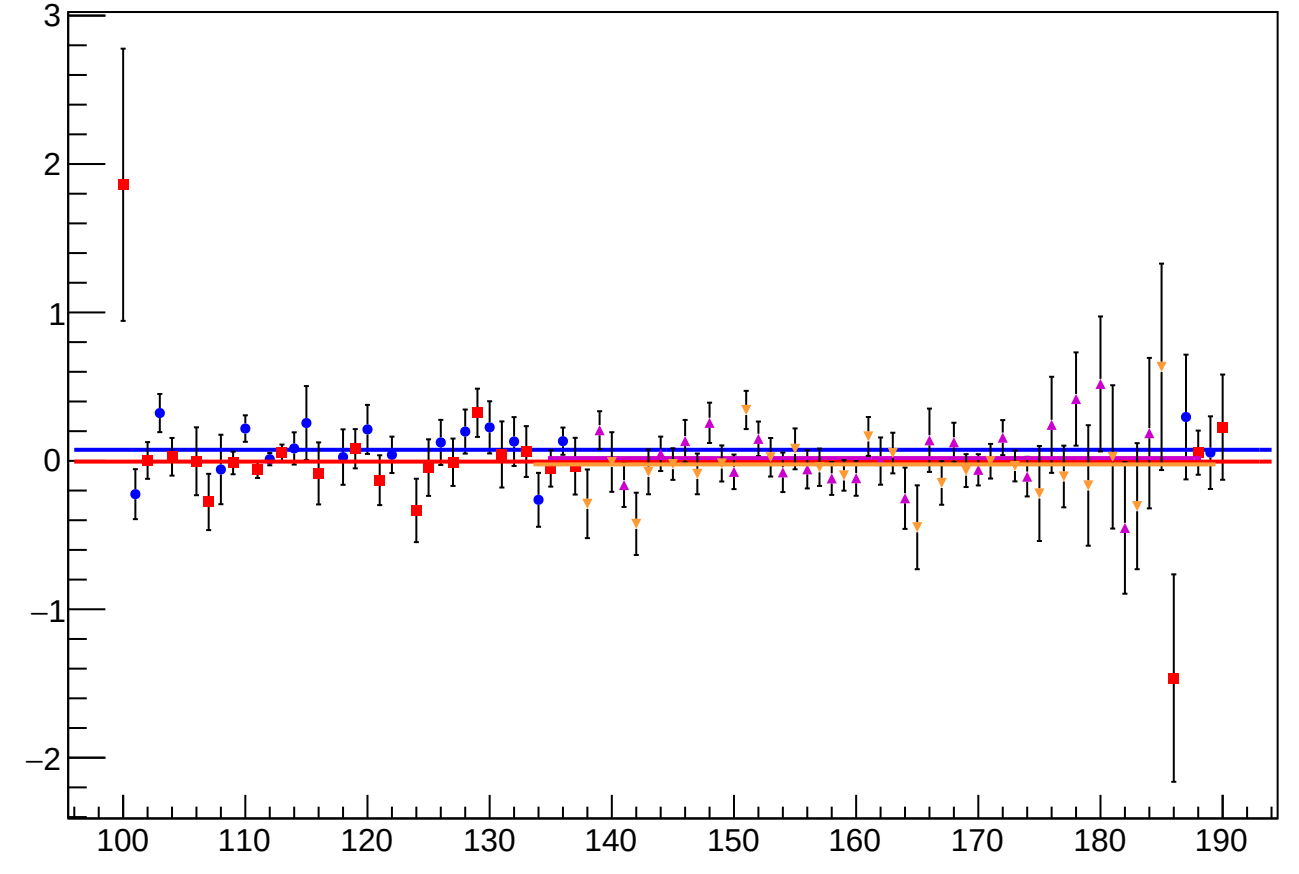
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 7333531.0/39

In: 0.004+/-0.000 χ^2/NDF:12375738.6/40

Out: 0.003+/-0.000 χ^2/NDF:15340685.1/46

All: 0.004+/-0.000 χ^2/NDF: 27873395.2/87



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.005+/-0.026 χ^2/NDF: 21.4/21

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

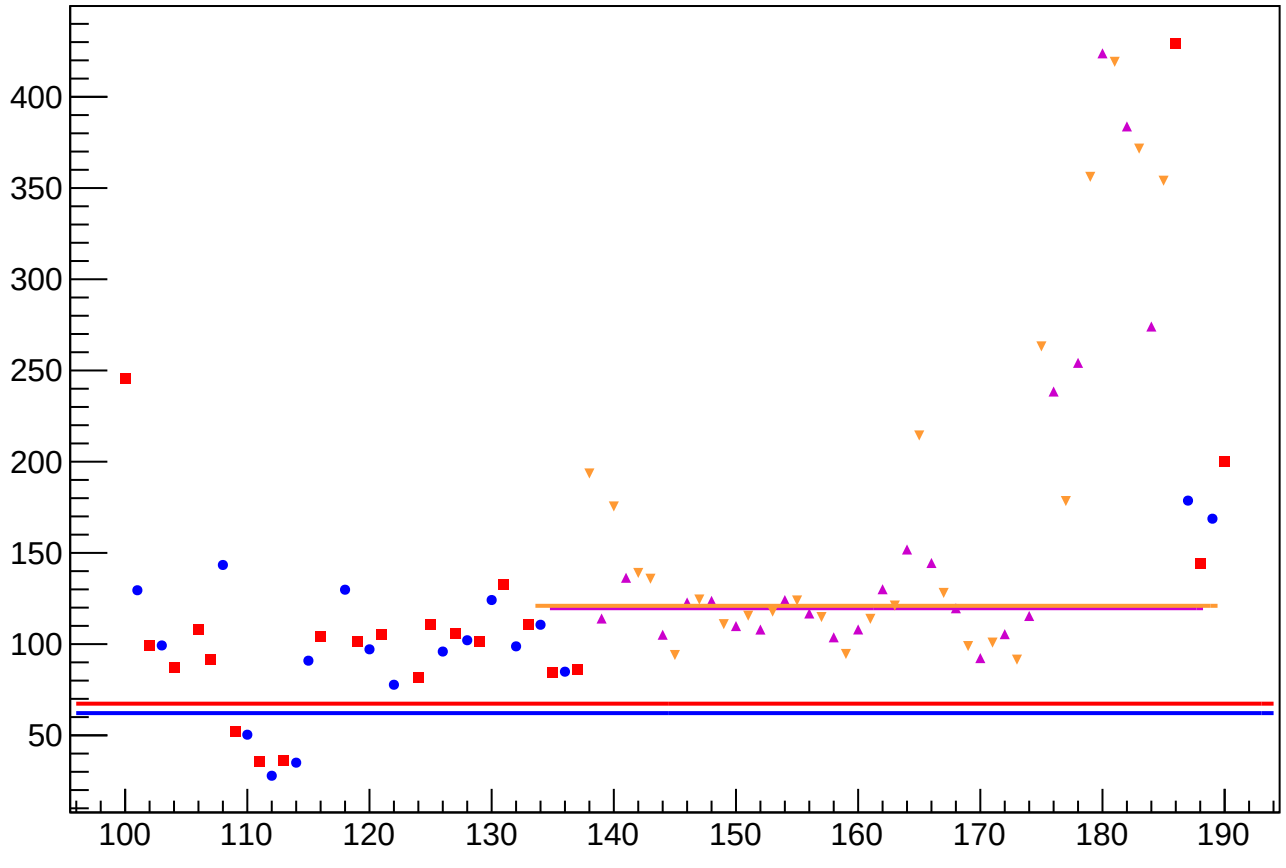
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.034+/-0.019 χ^2/NDF: 45.1/39

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.013+/-0.020 χ^2/NDF:43.8/46

All: 0.018+/-0.014 χ^2/NDF: 93.0/87



Right In: 62.178+/-0.019 χ^2/NDF: 4079718.2/17

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 67.354+/-0.019 χ^2/NDF: 4048419.1/21

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

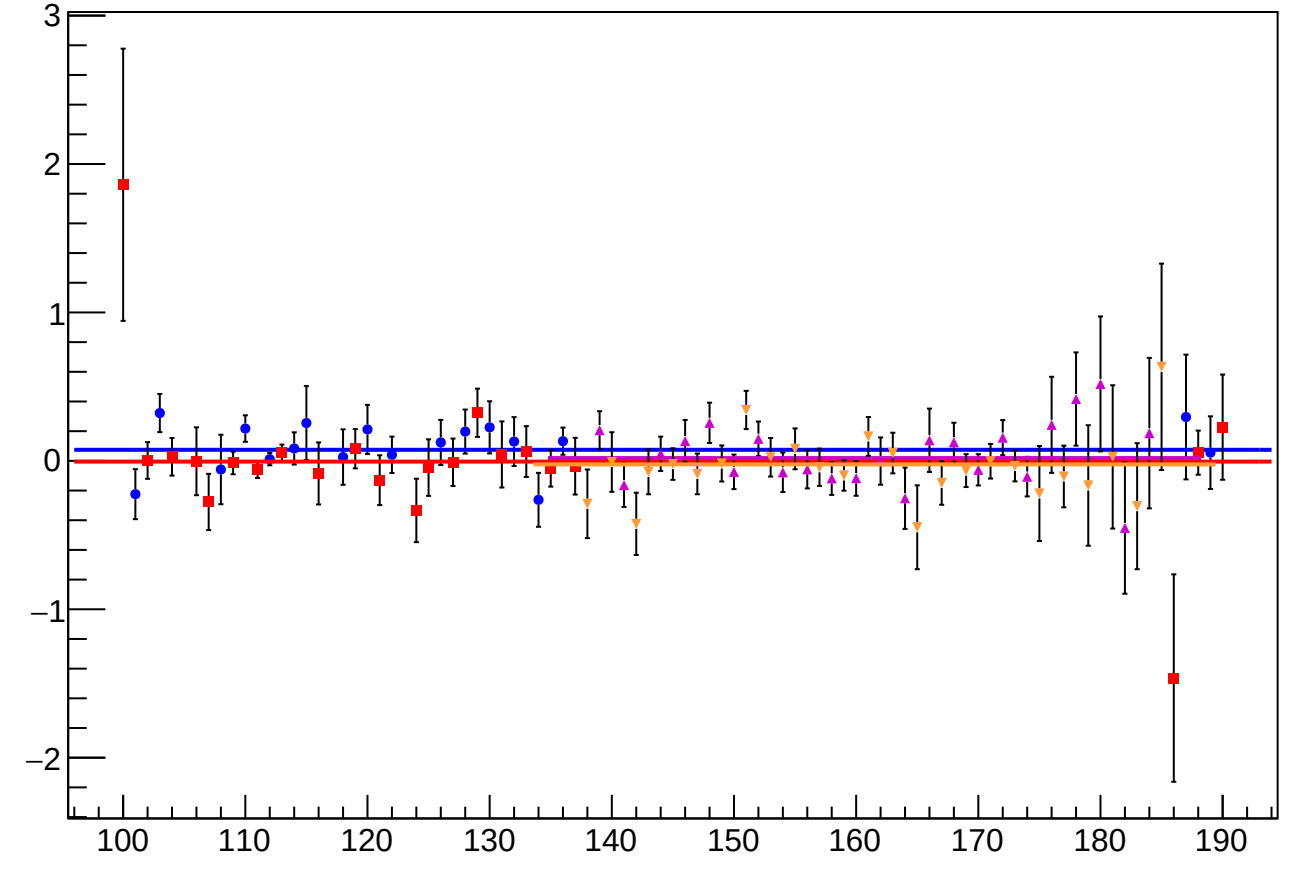
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 64.813+/-0.013 χ^2/NDF: 8166142.0/39

In: 87.481+/-0.014 χ^2/NDF:10971315.2/40

Out: 90.764+/-0.014 χ^2/NDF:11771567.8/46

All: 89.147+/-0.010 χ^2/NDF: 22770096.7/87



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.005+/-0.026 χ^2/NDF: 21.4/21

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

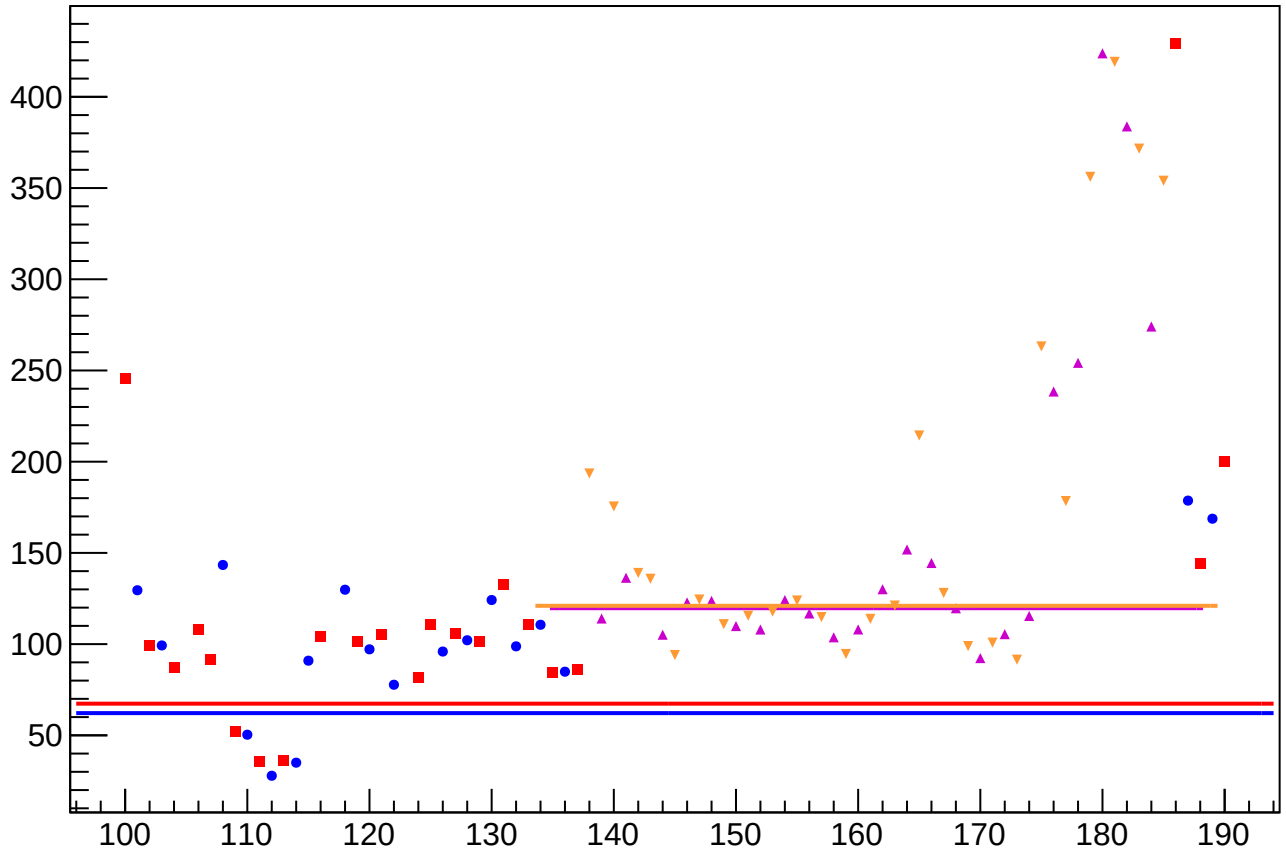
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.034+/-0.019 χ^2/NDF: 45.1/39

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.013+/-0.020 χ^2/NDF:43.8/46

All: 0.018+/-0.014 χ^2/NDF: 93.0/87



Right In: 62.178+/-0.019 χ^2/NDF: 4079718.2/17

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 67.354+/-0.019 χ^2/NDF: 4048419.1/21

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

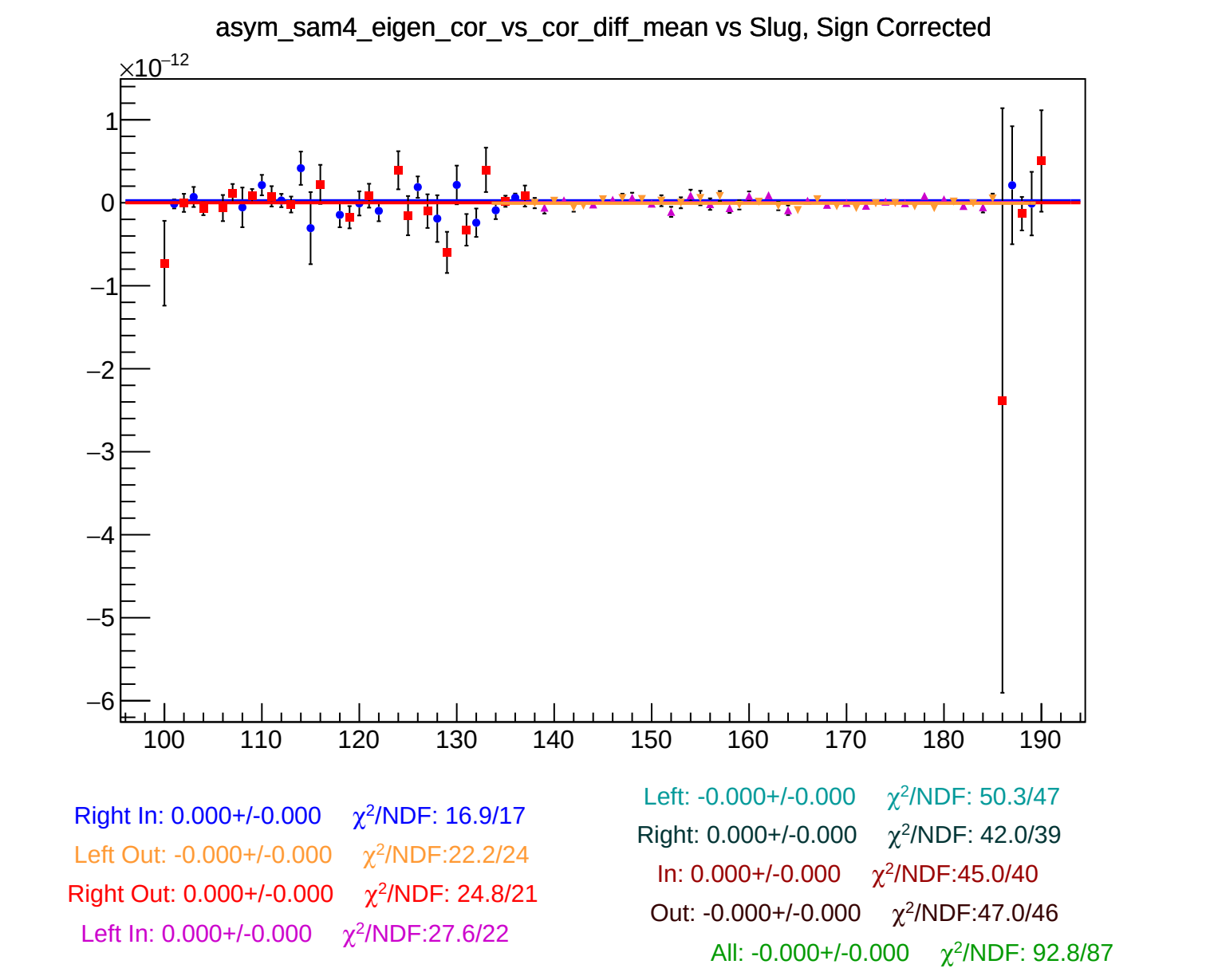
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

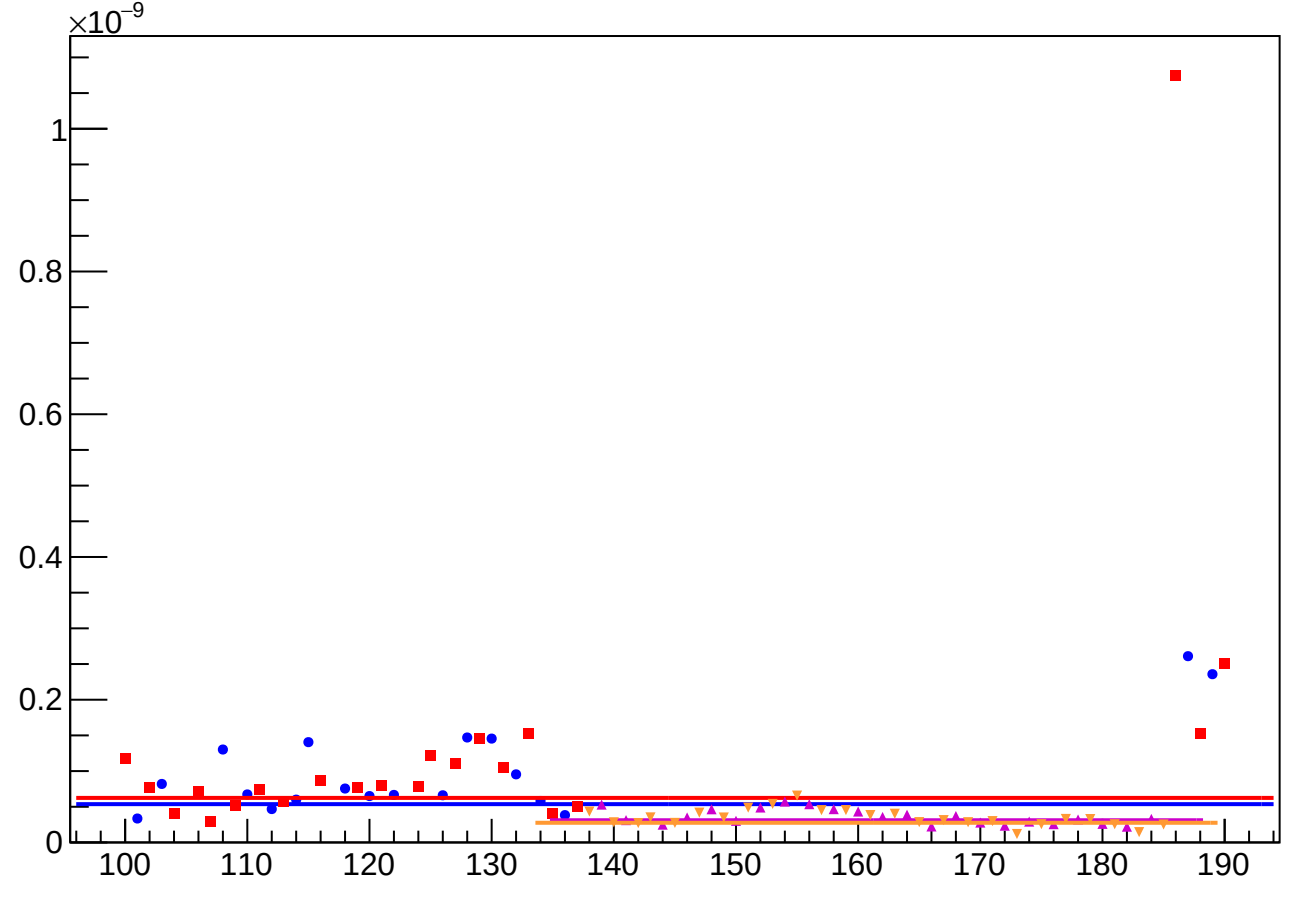
Right: 64.813+/-0.013 χ^2/NDF: 8166142.0/39

In: 87.481+/-0.014 χ^2/NDF:10971315.2/40

Out: 90.764+/-0.014 χ^2/NDF:11771567.8/46

All: 89.147+/-0.010 χ^2/NDF: 22770096.7/87


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.9/17
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.8/21
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: 42.0/39
In: 0.000+/-0.000 χ²/NDF:45.0/40
Out: -0.000+/-0.000 χ²/NDF:47.0/46
All: -0.000+/-0.000 χ²/NDF: 92.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 2275390.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2304484.1/21

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

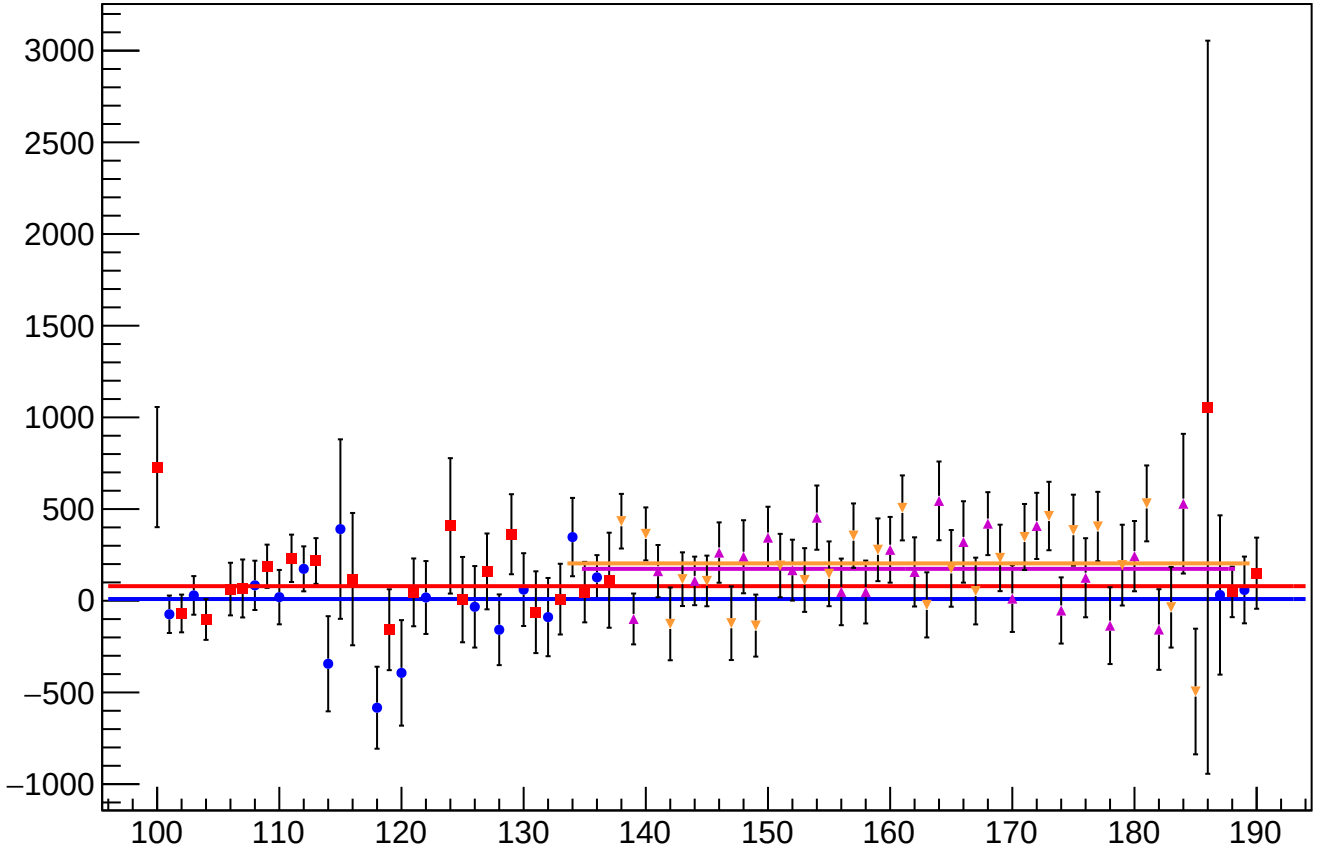
Right: 0.000+/-0.000 χ^2/NDF: 4682282.5/39

In: 0.000+/-0.000 χ^2/NDF:5550686.5/40

Out: 0.000+/-0.000 χ^2/NDF:8757812.5/46

All: 0.000+/-0.000 χ^2/NDF: 14476354.2/87

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 9.434+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 79.565+/-35.909 χ^2/NDF: 17.1/21

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

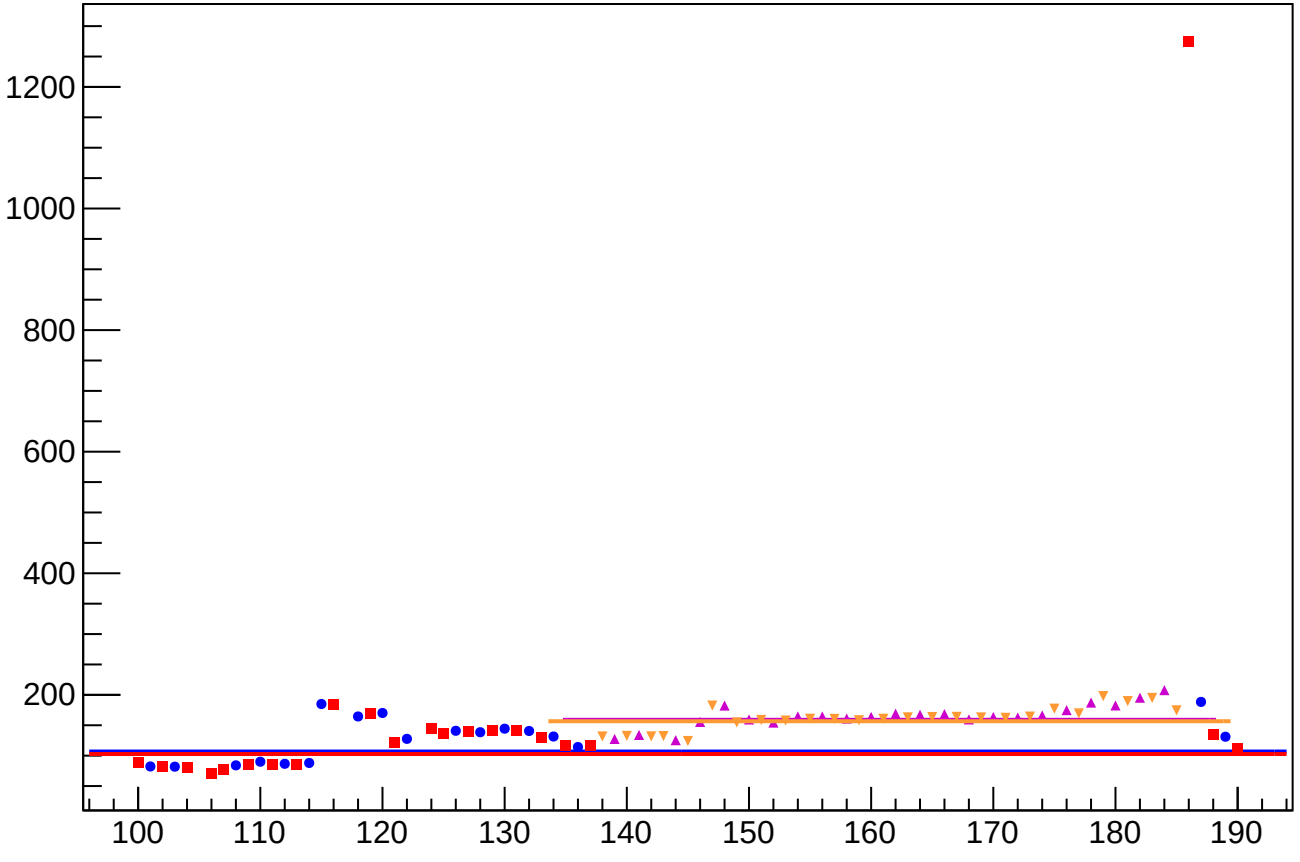
Right: 47.598+/-26.490 χ^2/NDF: 37.7/39

In: 95.631+/-27.073 χ^2/NDF:52.6/40

Out: 141.717+/-25.381 χ^2/NDF:56.0/46

All: 120.160+/-18.516 χ^2/NDF: 110.1/87

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 106.762+/-0.028 χ^2/NDF: 1042190.3/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 102.692+/-0.025 χ^2/NDF: 1853342.2/21

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

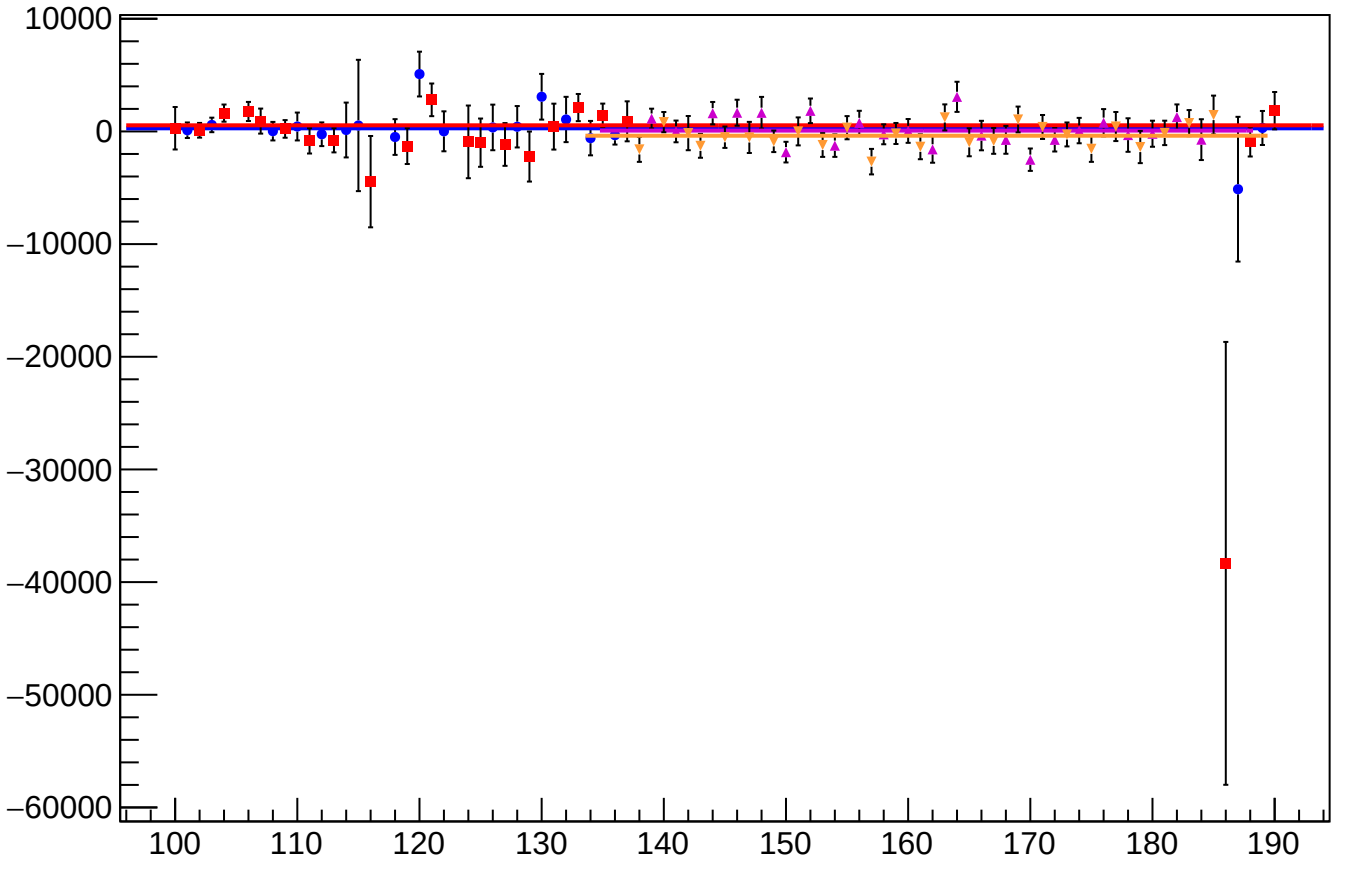
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 104.547+/-0.019 χ^2/NDF: 2907247.5/39

In: 134.102+/-0.019 χ^2/NDF:3407297.5/40

Out: 129.689+/-0.018 χ^2/NDF:4694616.5/46

All: 131.753+/-0.013 χ^2/NDF: 8130208.3/87



Right In: 276.782+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 543.416+/-260.734 χ^2/NDF: 24.6/21

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

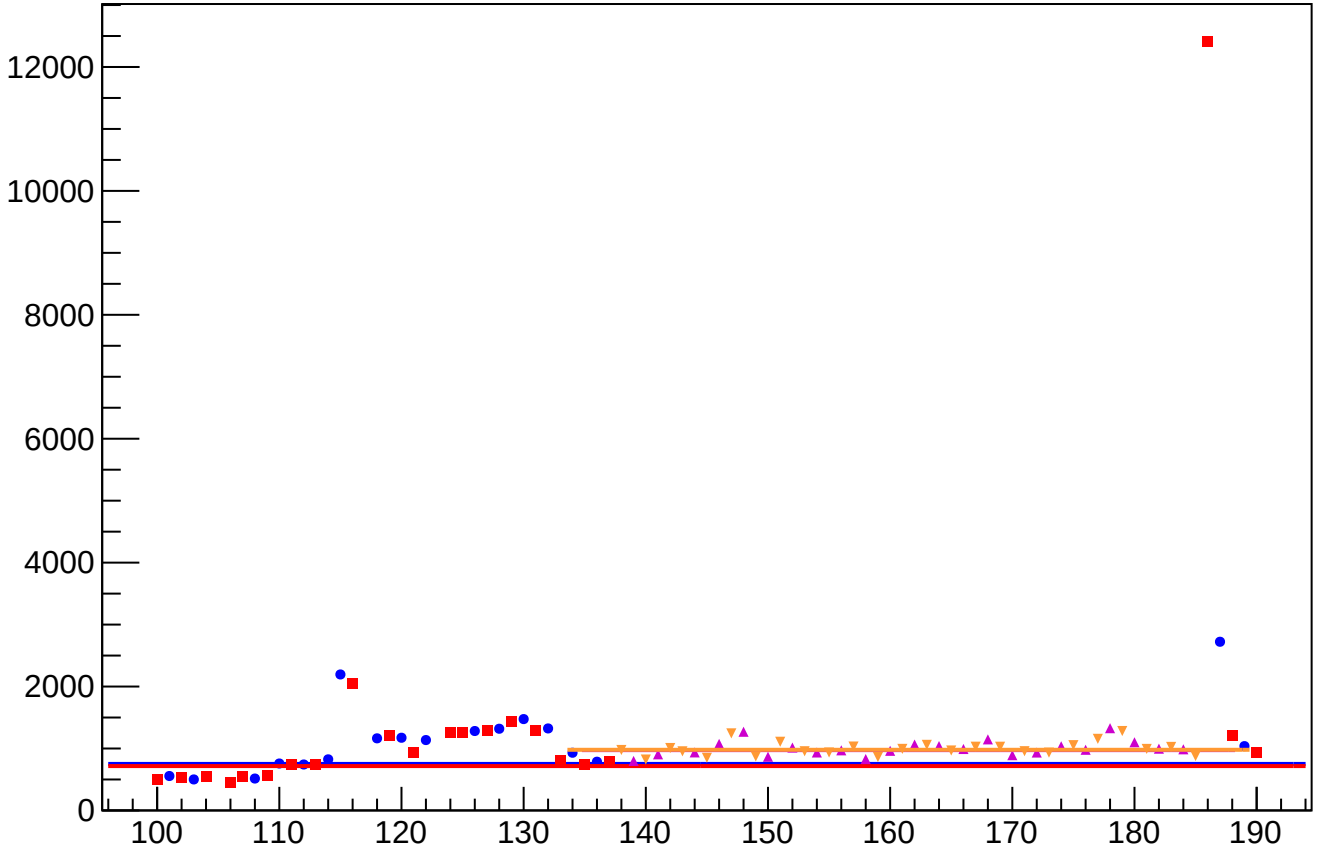
Right: 423.220+/-193.227 χ^2/NDF: 35.5/39

In: 153.216+/-179.570 χ^2/NDF:43.8/40

Out: 12.848+/-170.149 χ^2/NDF:50.6/46

All: 79.253+/-123.510 χ^2/NDF: 94.7/87

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 751.052+/-0.204 χ^2/NDF: 2110553.2/17

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 716.171+/-0.184 χ^2/NDF: 2888176.2/21

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

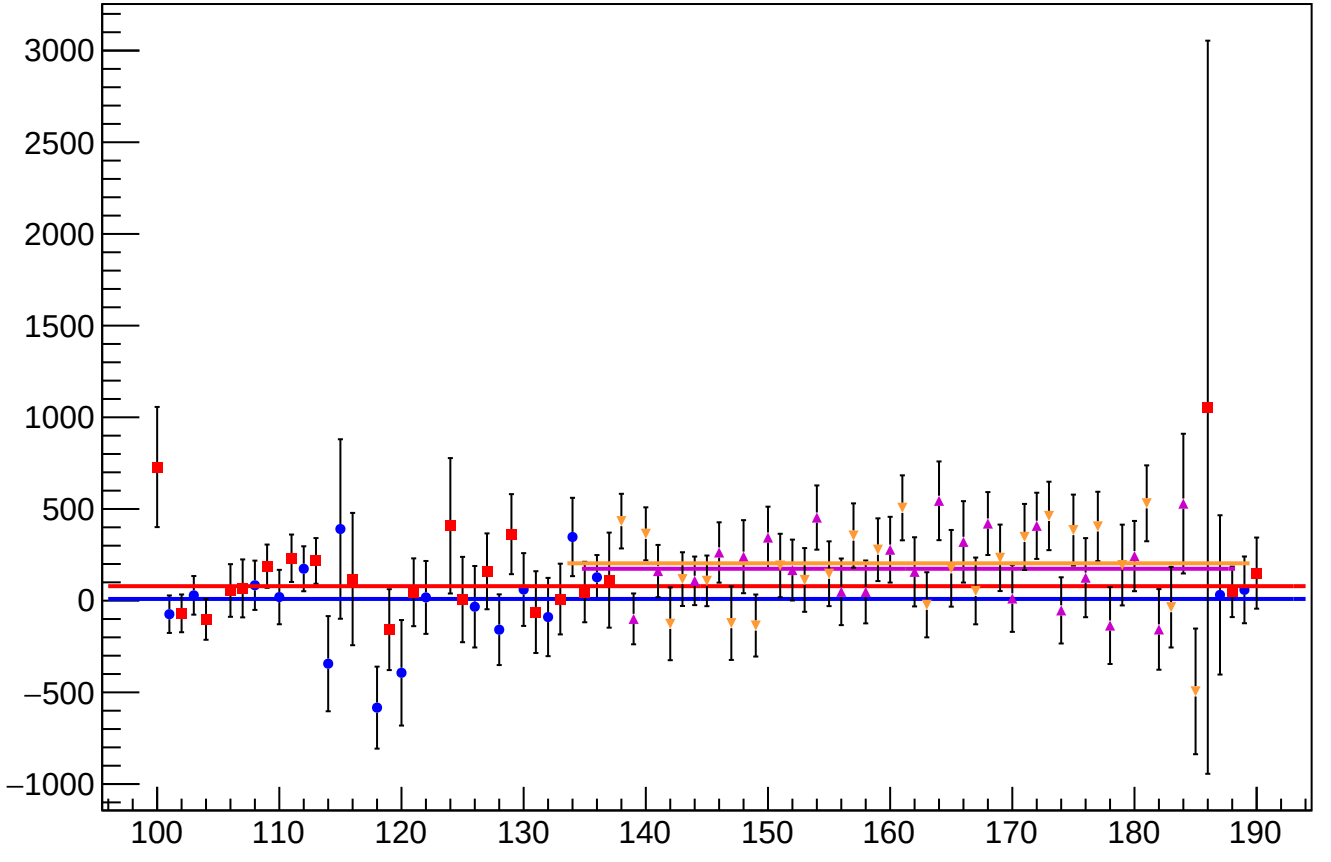
Right: 731.895+/-0.137 χ^2/NDF: 5014864.8/39

In: 887.090+/-0.127 χ^2/NDF:3340945.2/40

Out: 867.136+/-0.120 χ^2/NDF:4485768.5/46

All: 876.576+/-0.087 χ^2/NDF: 7839726.2/87

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 9.425+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 79.083+/-35.912 χ^2/NDF: 17.1/21

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

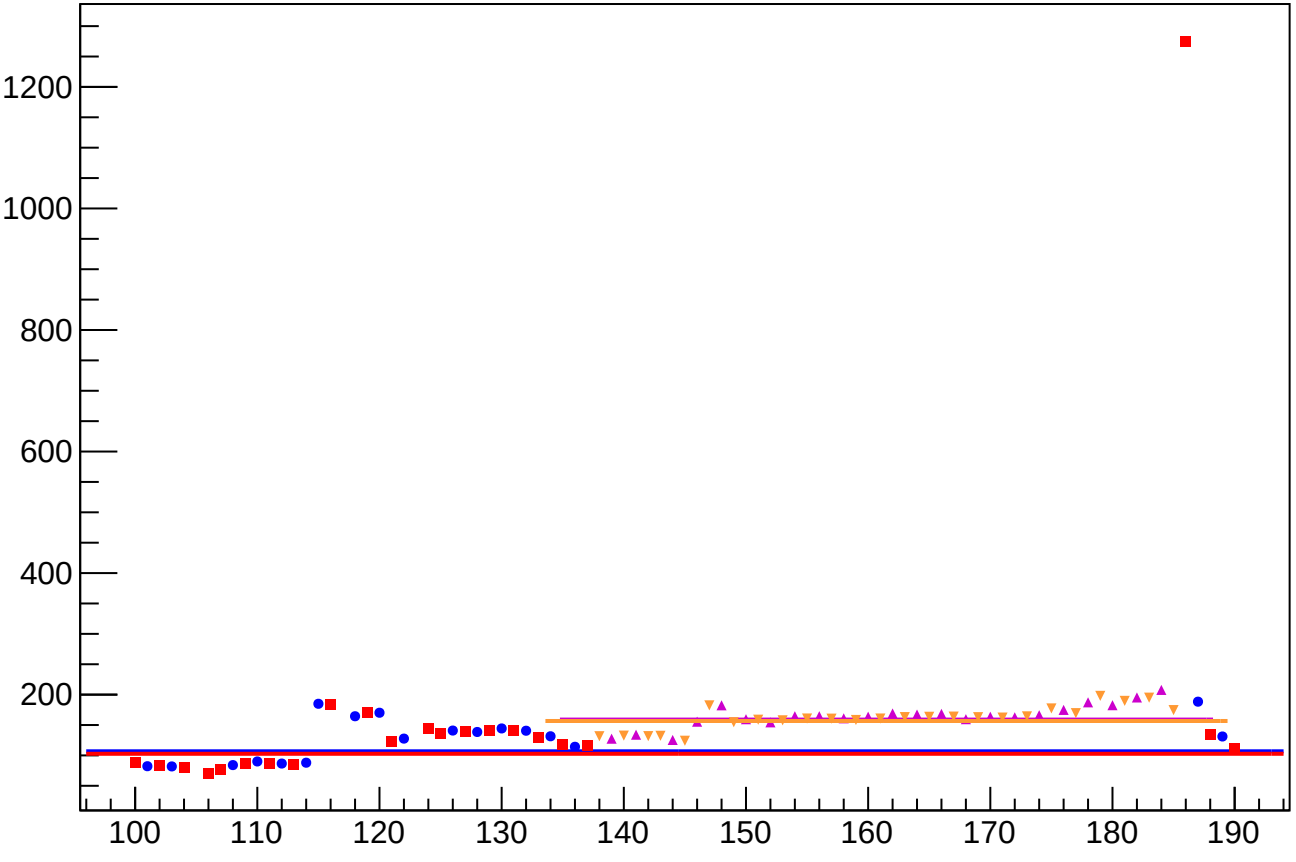
Right: 47.329+/-26.491 χ^2/NDF: 37.7/39

In: 95.629+/-27.073 χ^2/NDF:52.6/40

Out: 141.484+/-25.381 χ^2/NDF:56.0/46

All: 120.034+/-18.517 χ^2/NDF: 110.1/87

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 106.762+/-0.028 χ^2/NDF: 1042189.5/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.671+/-0.025 χ^2/NDF: 1855738.9/21

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

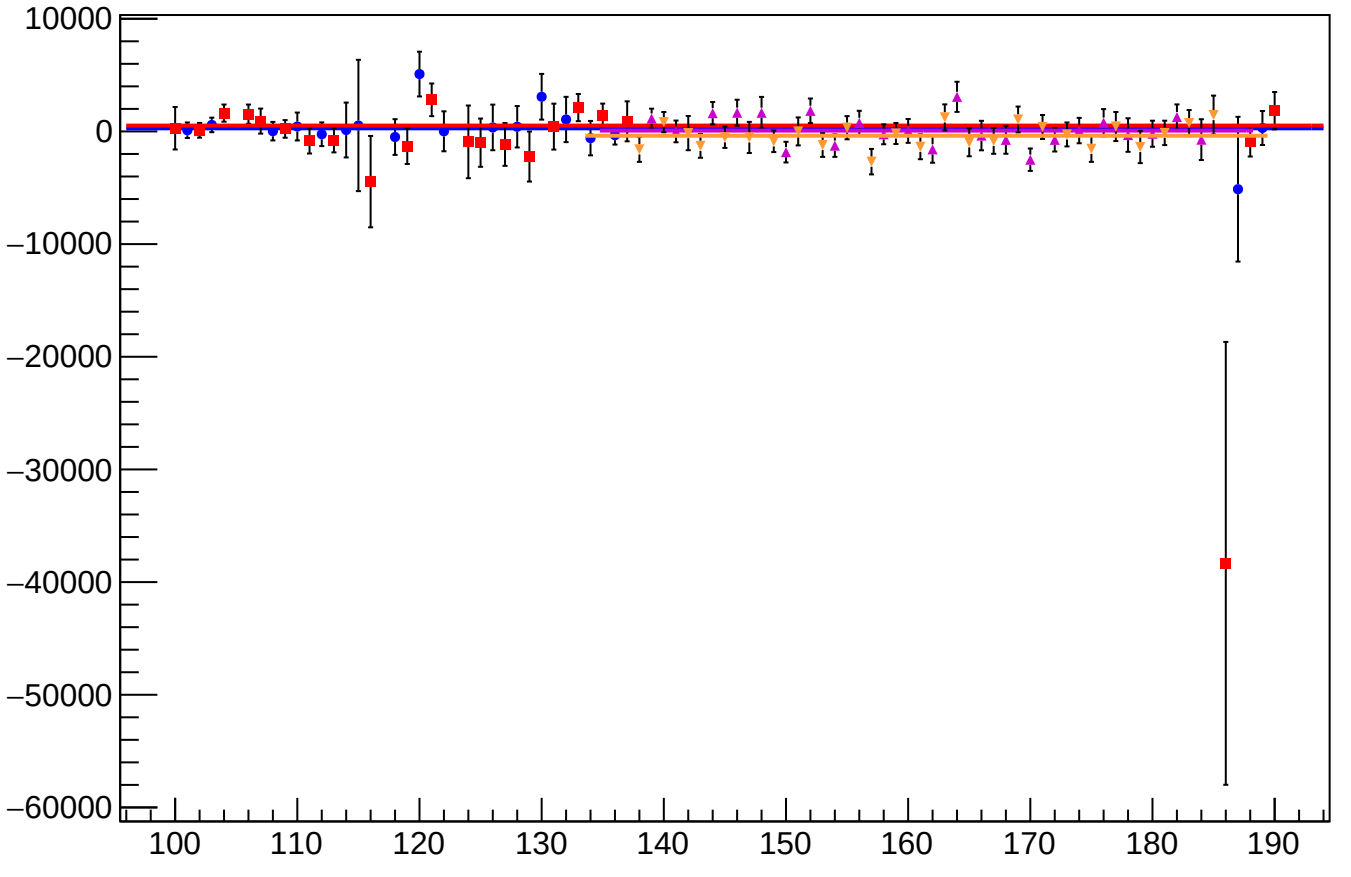
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 104.536+/-0.019 χ^2/NDF: 2909764.1/39

In: 134.102+/-0.019 χ^2/NDF:3407295.5/40

Out: 129.680+/-0.018 χ^2/NDF:4698631.4/46

All: 131.749+/-0.013 χ^2/NDF: 8134333.4/87



Right In: 276.784+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 519.290+/-260.895 χ^2/NDF: 23.9/21

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

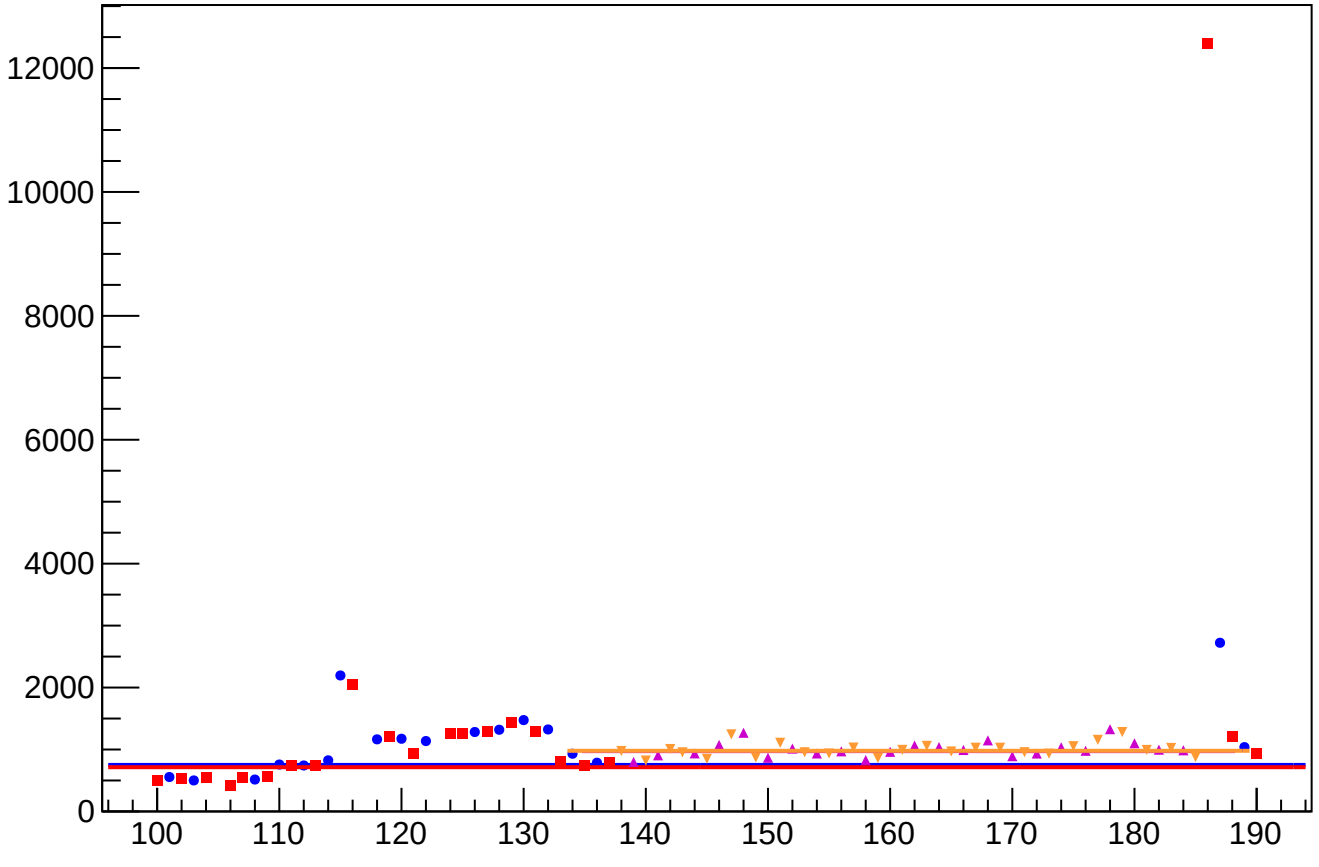
Right: 409.896+/-193.292 χ^2/NDF: 34.7/39

In: 153.216+/-179.570 χ^2/NDF:43.8/40

Out: 2.309+/-170.194 χ^2/NDF:49.4/46

All: 73.720+/-123.527 χ^2/NDF: 93.6/87

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.051+/-0.203 χ^2/NDF: 2110555.0/17

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 714.221+/-0.184 χ^2/NDF: 2922892.4/21

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

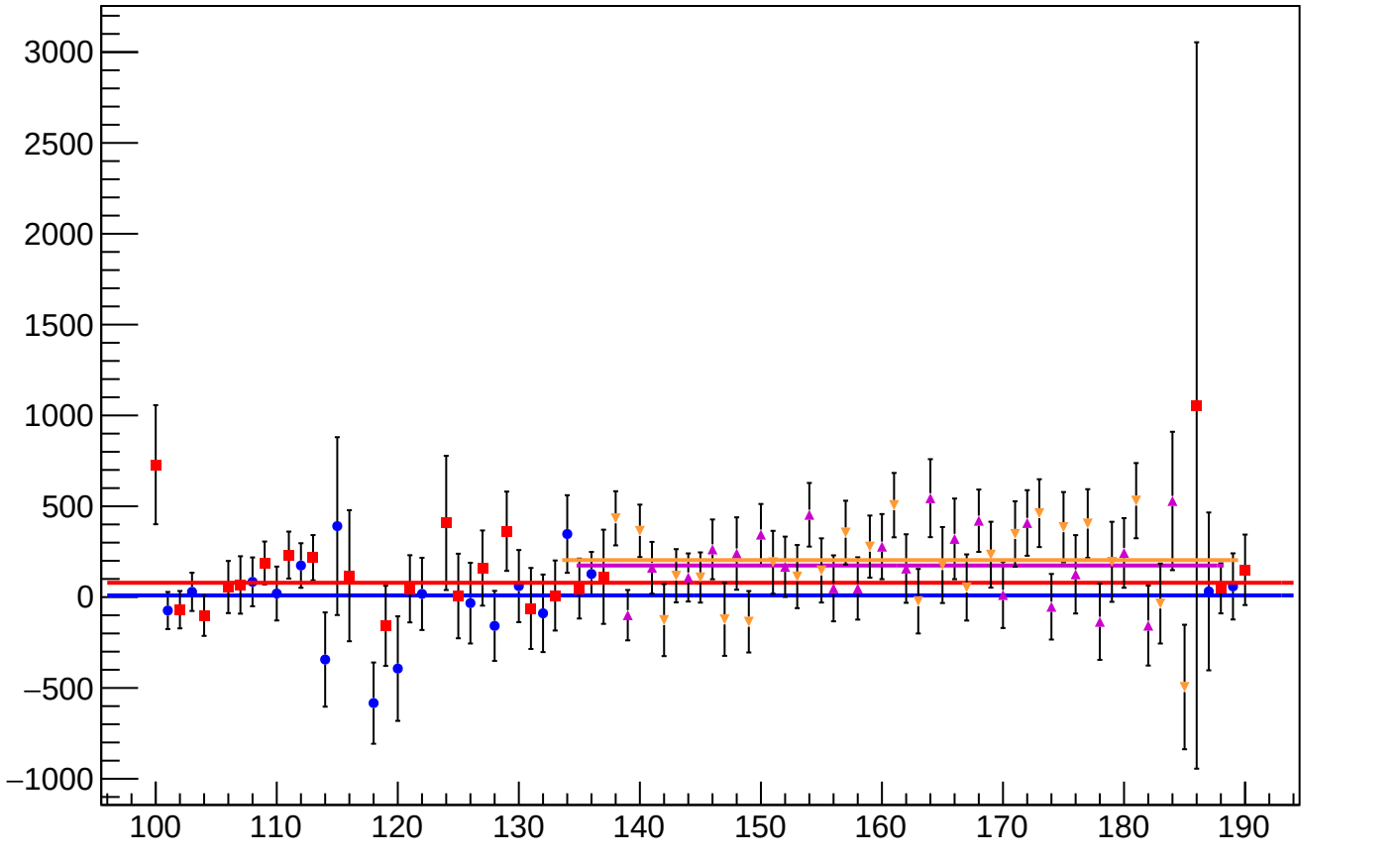
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 730.835+/-0.137 χ^2/NDF: 5051426.9/39

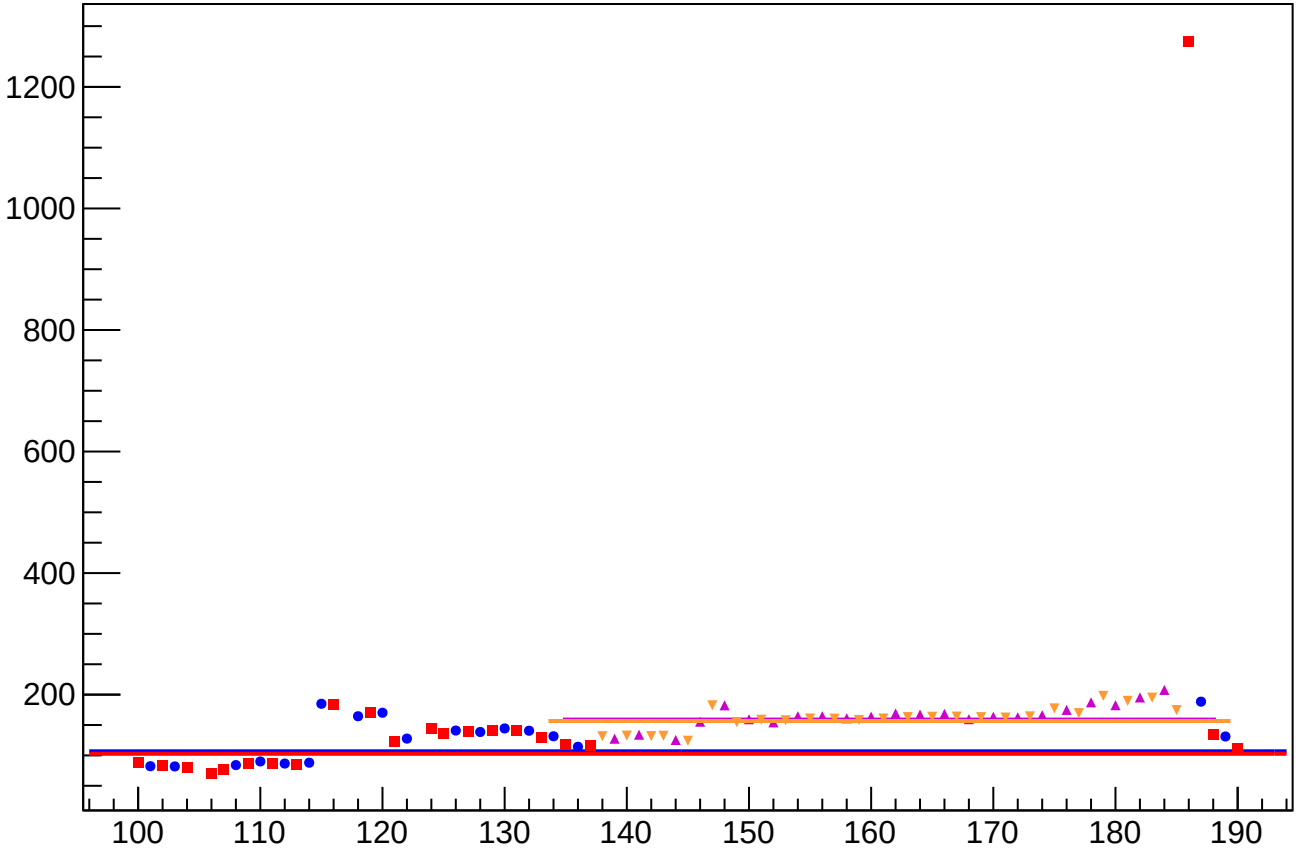
In: 887.090+/-0.127 χ^2/NDF:3340953.7/40

Out: 866.386+/-0.120 χ^2/NDF:4537031.5/46

All: 876.183+/-0.087 χ^2/NDF: 7891990.9/87


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 9.425+/-39.235 χ²/NDF: 18.9/17
Left Out: 203.766+/-35.878 χ²/NDF:32.9/24
Right Out: 79.083+/-35.912 χ²/NDF: 17.1/21
Left In: 173.978+/-37.405 χ²/NDF:24.5/22
Left: 189.493+/-25.893 χ²/NDF: 57.7/47
Right: 47.329+/-26.491 χ²/NDF: 37.7/39
In: 95.629+/-27.073 χ²/NDF:52.6/40
Out: 141.484+/-25.381 χ²/NDF:56.0/46
All: 120.034+/-18.517 χ²/NDF: 110.1/87

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 106.762+/-0.028 χ^2/NDF: 1042189.5/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.671+/-0.025 χ^2/NDF: 1855738.9/21

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

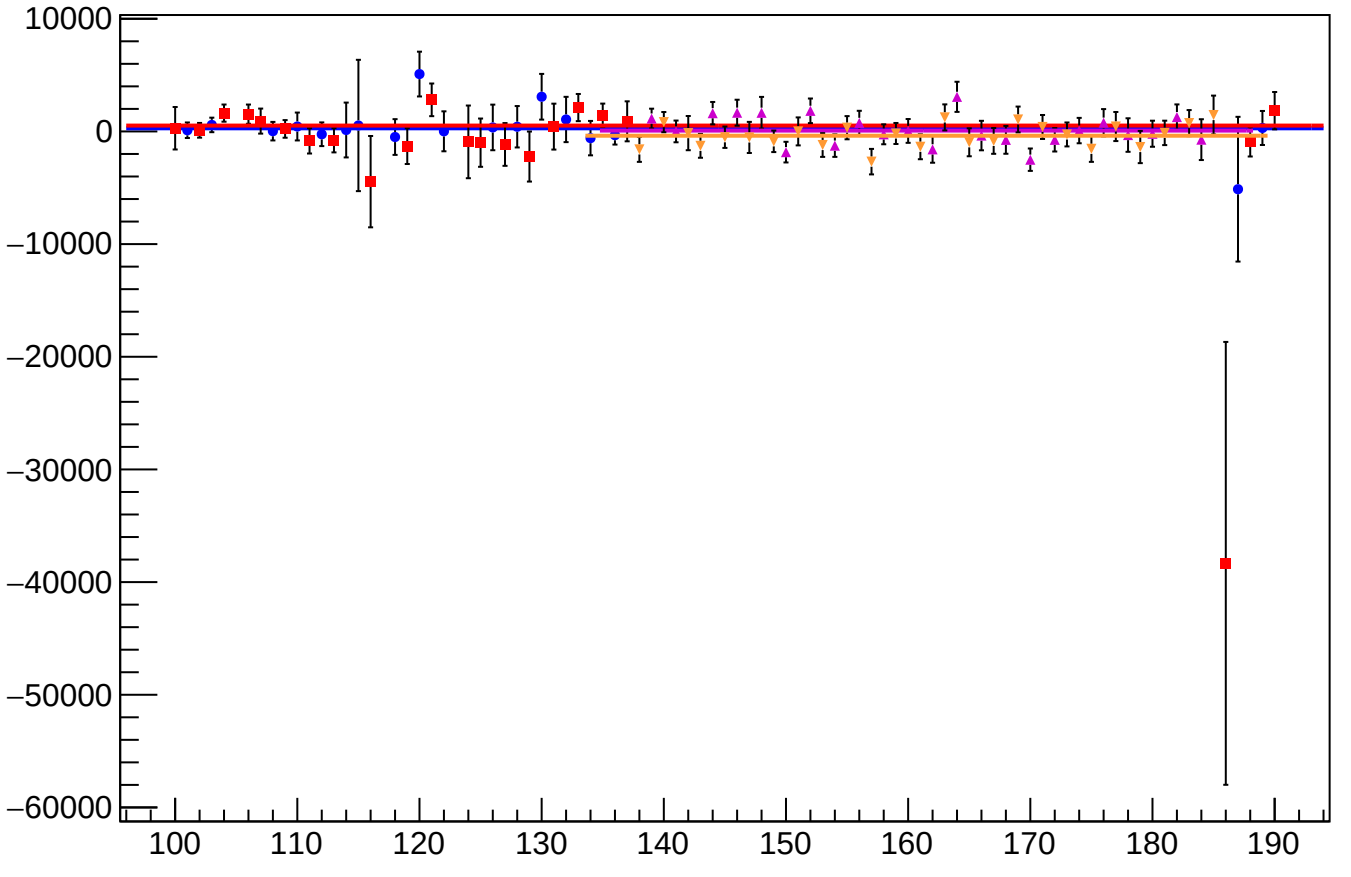
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 104.536+/-0.019 χ^2/NDF: 2909764.1/39

In: 134.102+/-0.019 χ^2/NDF:3407295.5/40

Out: 129.680+/-0.018 χ^2/NDF:4698631.4/46

All: 131.749+/-0.013 χ^2/NDF: 8134333.4/87



Right In: 276.784+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 519.290+/-260.895 χ^2/NDF: 23.9/21

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

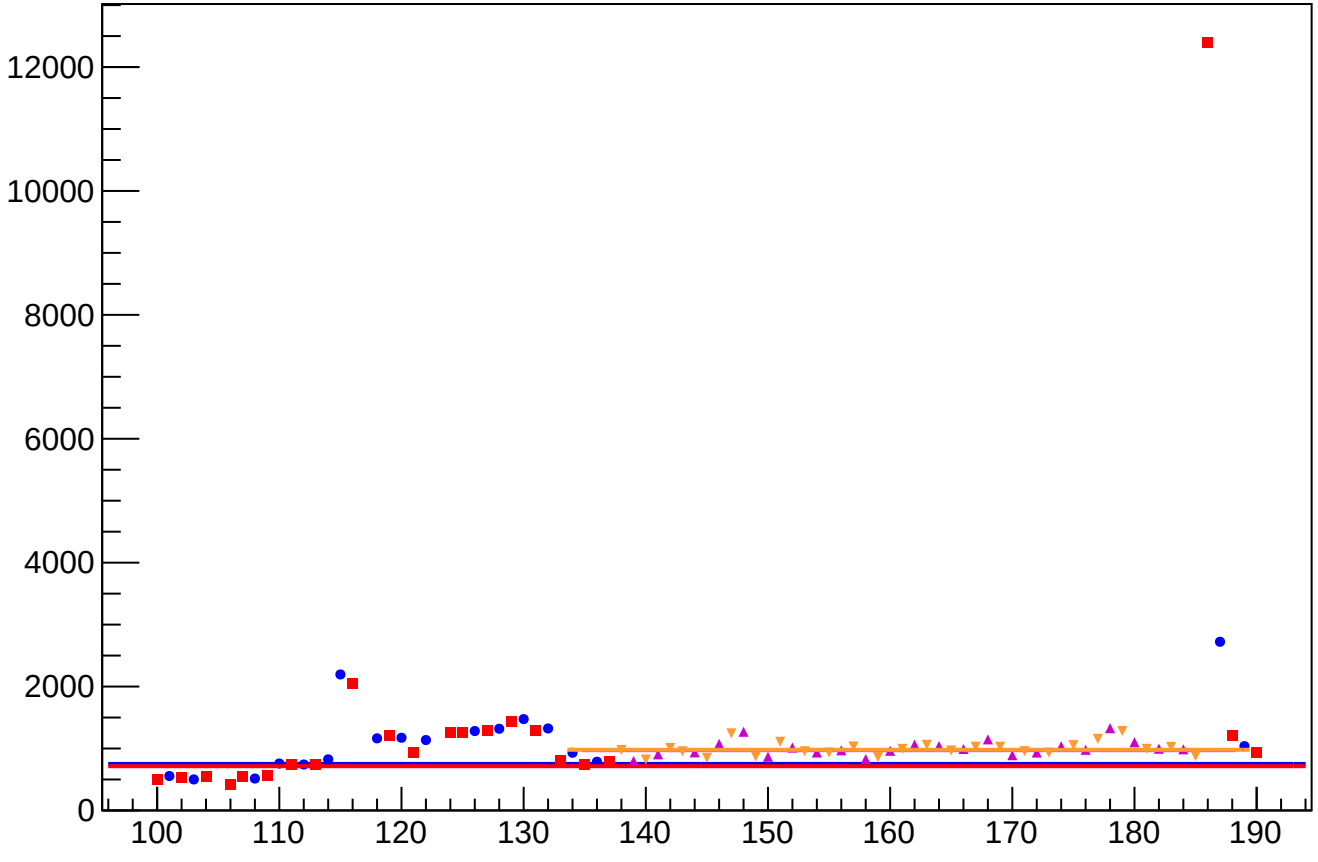
Right: 409.896+/-193.292 χ^2/NDF: 34.7/39

In: 153.216+/-179.570 χ^2/NDF:43.8/40

Out: 2.309+/-170.194 χ^2/NDF:49.4/46

All: 73.720+/-123.527 χ^2/NDF: 93.6/87

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.051+/-0.203 χ^2/NDF: 2110555.0/17

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 714.221+/-0.184 χ^2/NDF: 2922892.4/21

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

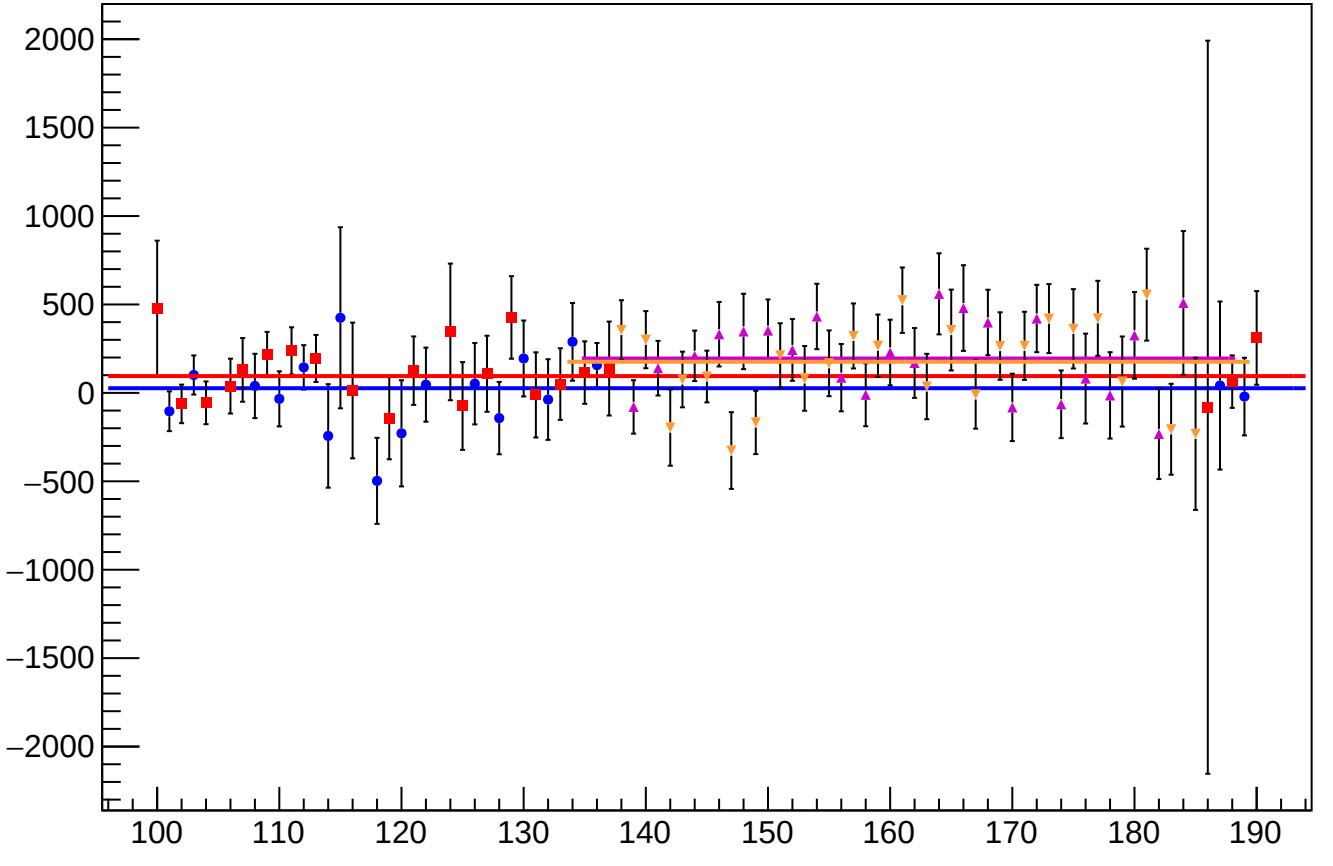
Right: 730.835+/-0.137 χ^2/NDF: 5051426.9/39

In: 887.090+/-0.127 χ^2/NDF:3340953.7/40

Out: 866.386+/-0.120 χ^2/NDF:4537031.5/46

All: 876.183+/-0.087 χ^2/NDF: 7891990.9/87

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 26.370+/-42.442 χ^2/NDF: 13.6/17

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 94.895+/-38.679 χ^2/NDF: 12.4/21

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

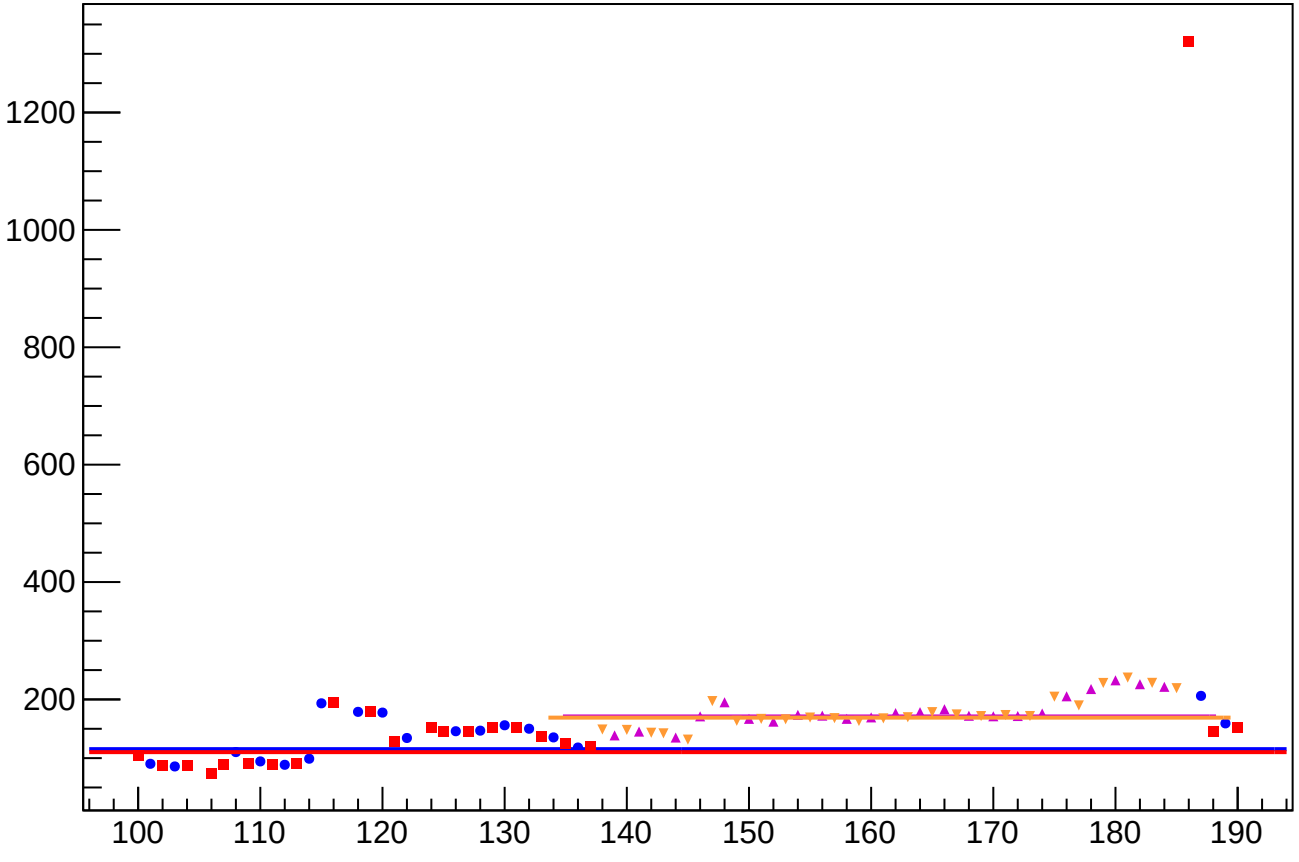
Right: 63.804+/-28.588 χ^2/NDF: 27.5/39

In: 114.518+/-29.256 χ^2/NDF:45.7/40

Out: 135.287+/-27.406 χ^2/NDF:45.4/46

All: 125.580+/-20.001 χ^2/NDF: 91.3/87

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.321+/-0.030 χ^2/NDF: 1031689.6/17

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 110.217+/-0.027 χ^2/NDF: 1865960.8/21

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

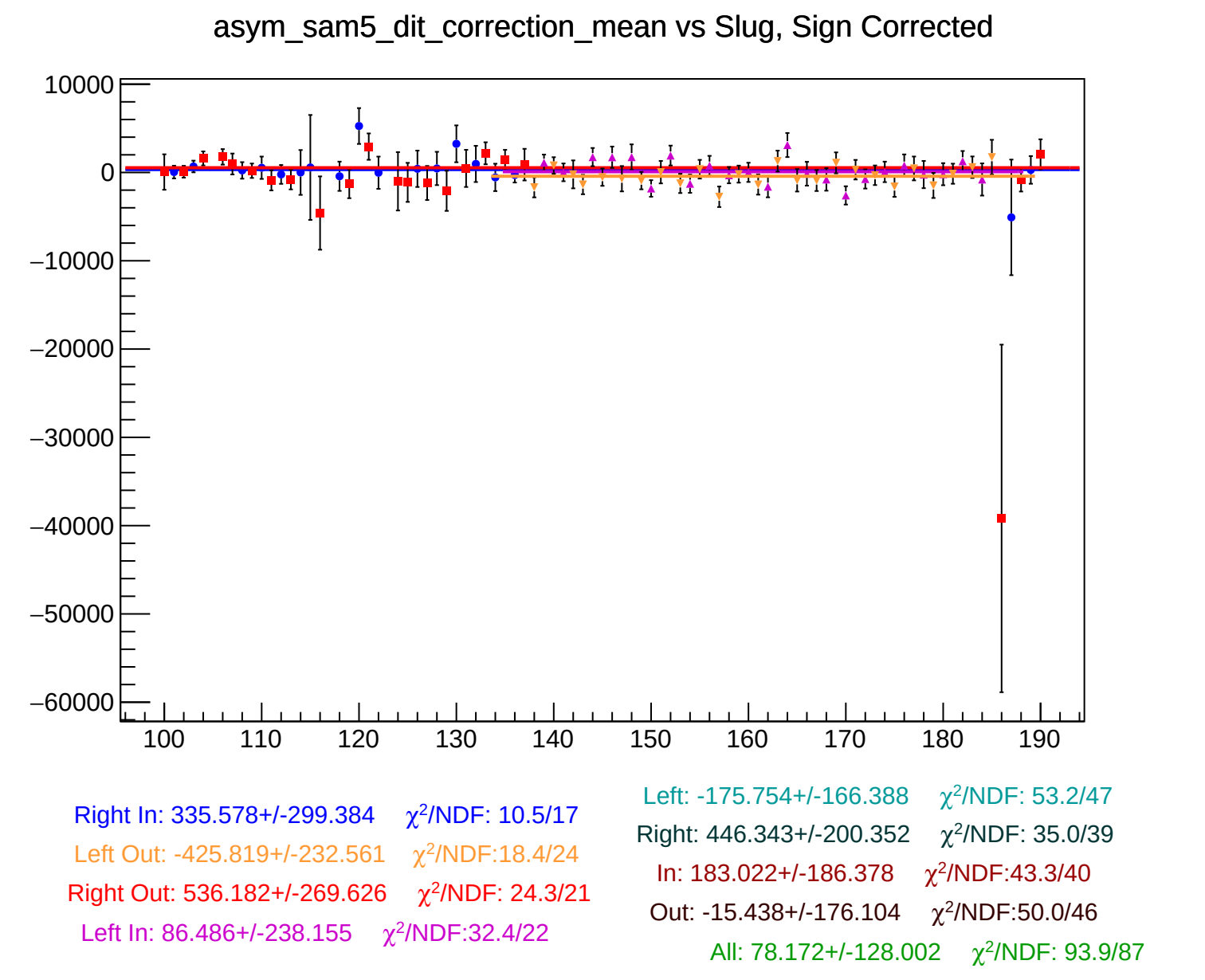
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

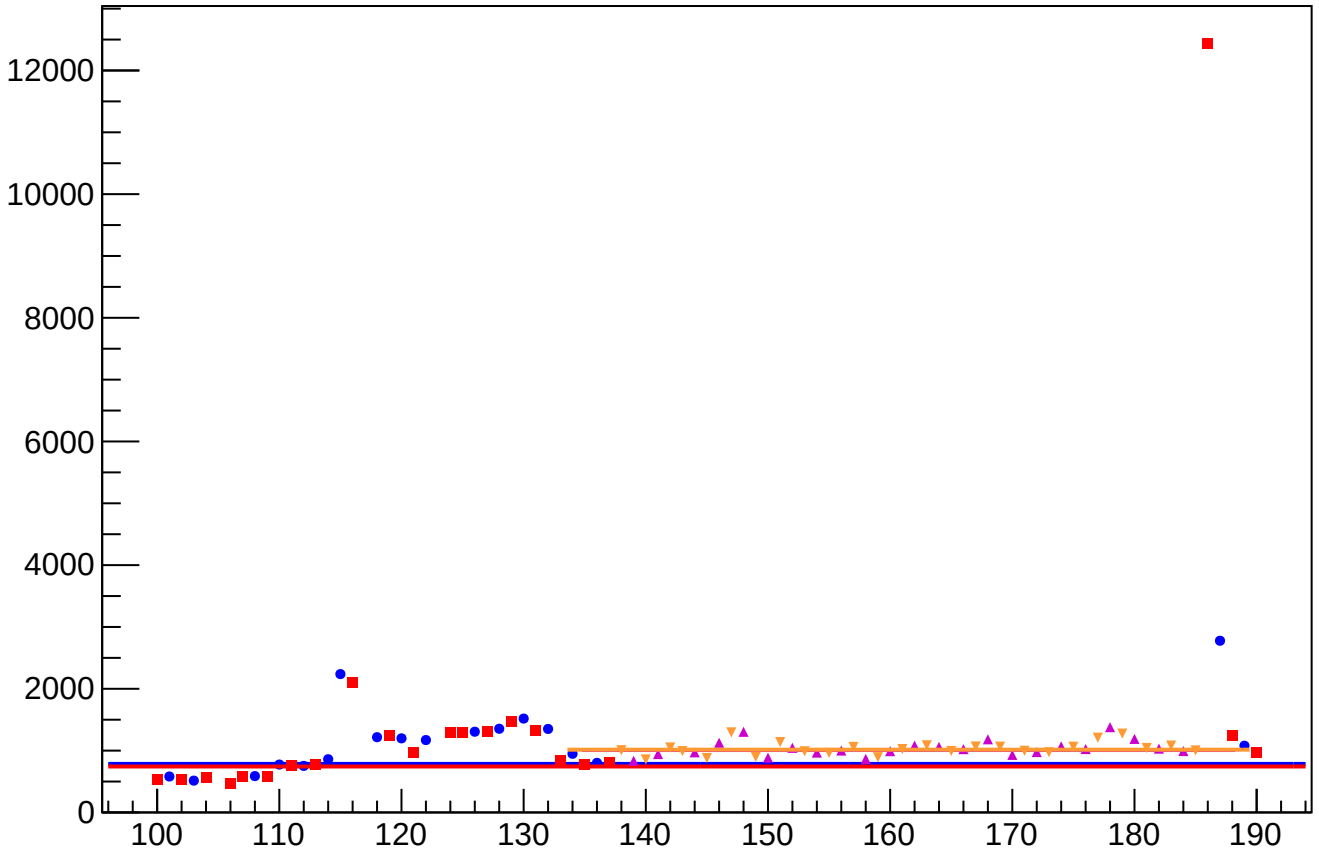
Right: 112.533+/-0.020 χ^2/NDF: 2913446.9/39

In: 144.554+/-0.021 χ^2/NDF:3517718.4/40

Out: 139.493+/-0.019 χ^2/NDF:4940805.0/46

All: 141.859+/-0.014 χ^2/NDF: 8490398.8/87


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: 335.578+/-299.384 χ²/NDF: 10.5/17
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 536.182+/-269.626 χ²/NDF: 24.3/21
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 446.343+/-200.352 χ²/NDF: 35.0/39
In: 183.022+/-186.378 χ²/NDF:43.3/40
Out: -15.438+/-176.104 χ²/NDF:50.0/46
All: 78.172+/-128.002 χ²/NDF: 93.9/87



Right In: 785.051+/-0.212 χ^2/NDF: 2000744.7/17

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 743.541+/-0.191 χ^2/NDF: 2817347.5/21

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

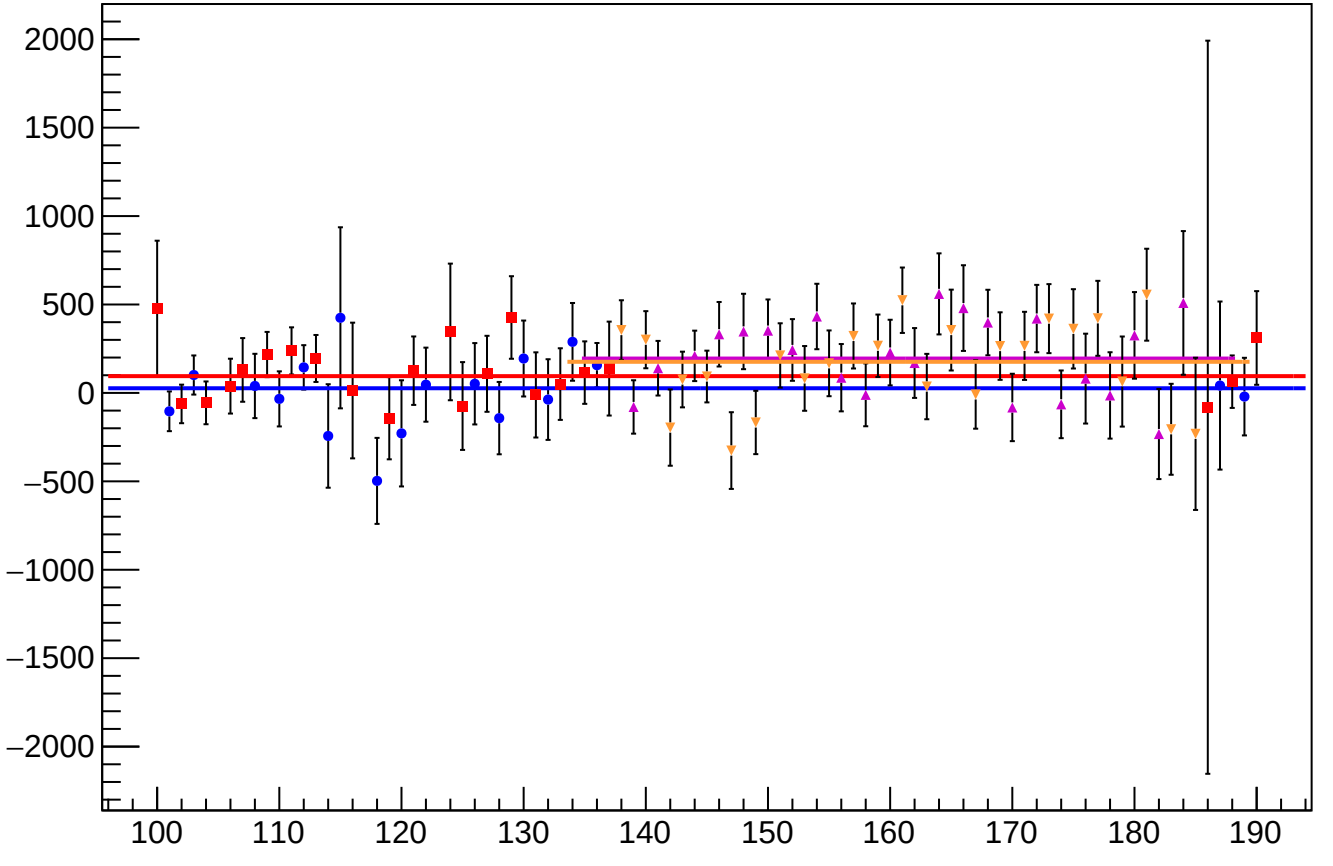
Right: 762.131+/-0.142 χ^2/NDF: 4839321.8/39

In: 922.620+/-0.132 χ^2/NDF:3189041.3/40

Out: 899.224+/-0.125 χ^2/NDF:4378171.2/46

All: 910.259+/-0.091 χ^2/NDF: 7583862.1/87

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 26.369+/-42.442 χ^2/NDF: 13.6/17

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 94.895+/-38.679 χ^2/NDF: 12.4/21

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

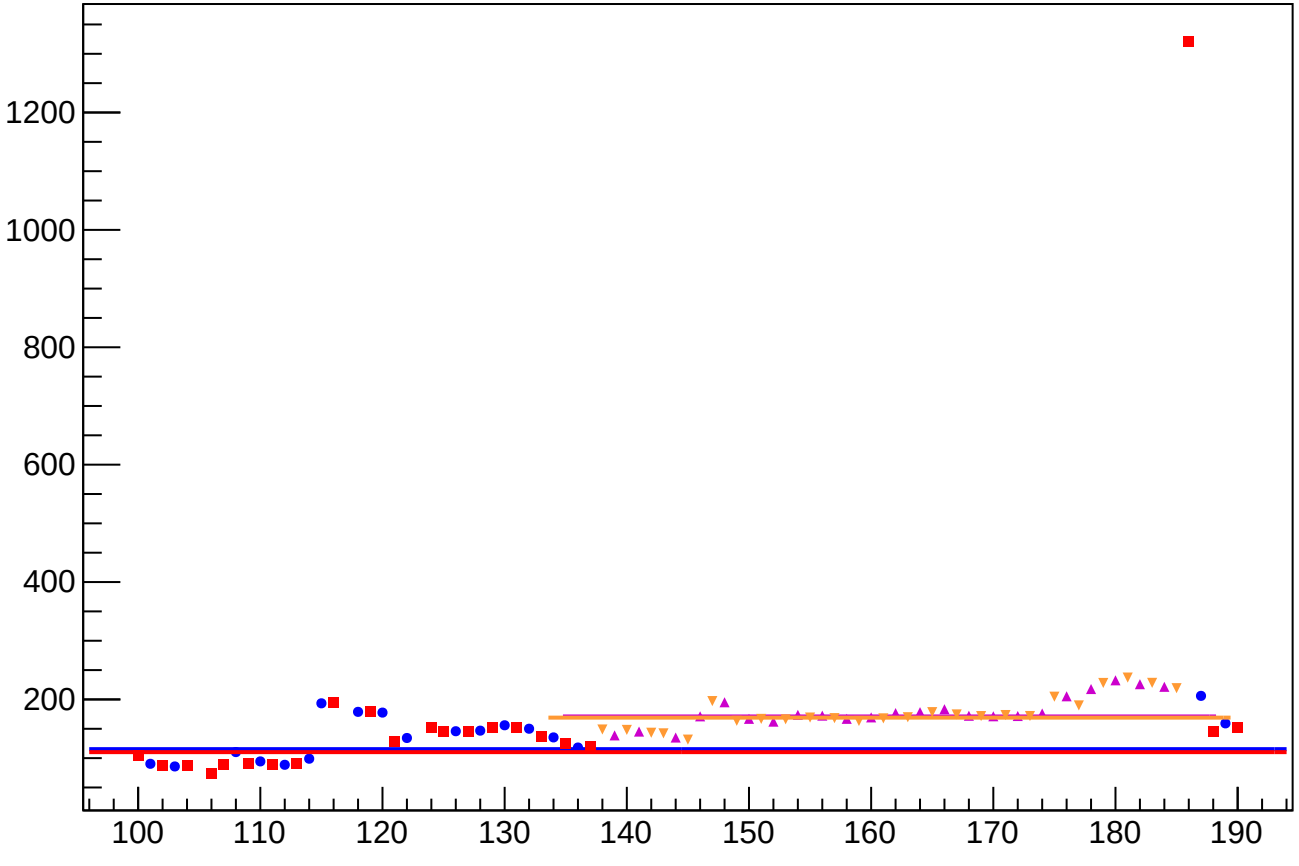
Right: 63.804+/-28.588 χ^2/NDF: 27.5/39

In: 114.517+/-29.256 χ^2/NDF:45.7/40

Out: 135.287+/-27.406 χ^2/NDF:45.4/46

All: 125.580+/-20.001 χ^2/NDF: 91.3/87

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.320+/-0.030 χ^2/NDF: 1031690.3/17

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 110.217+/-0.027 χ^2/NDF: 1865953.4/21

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

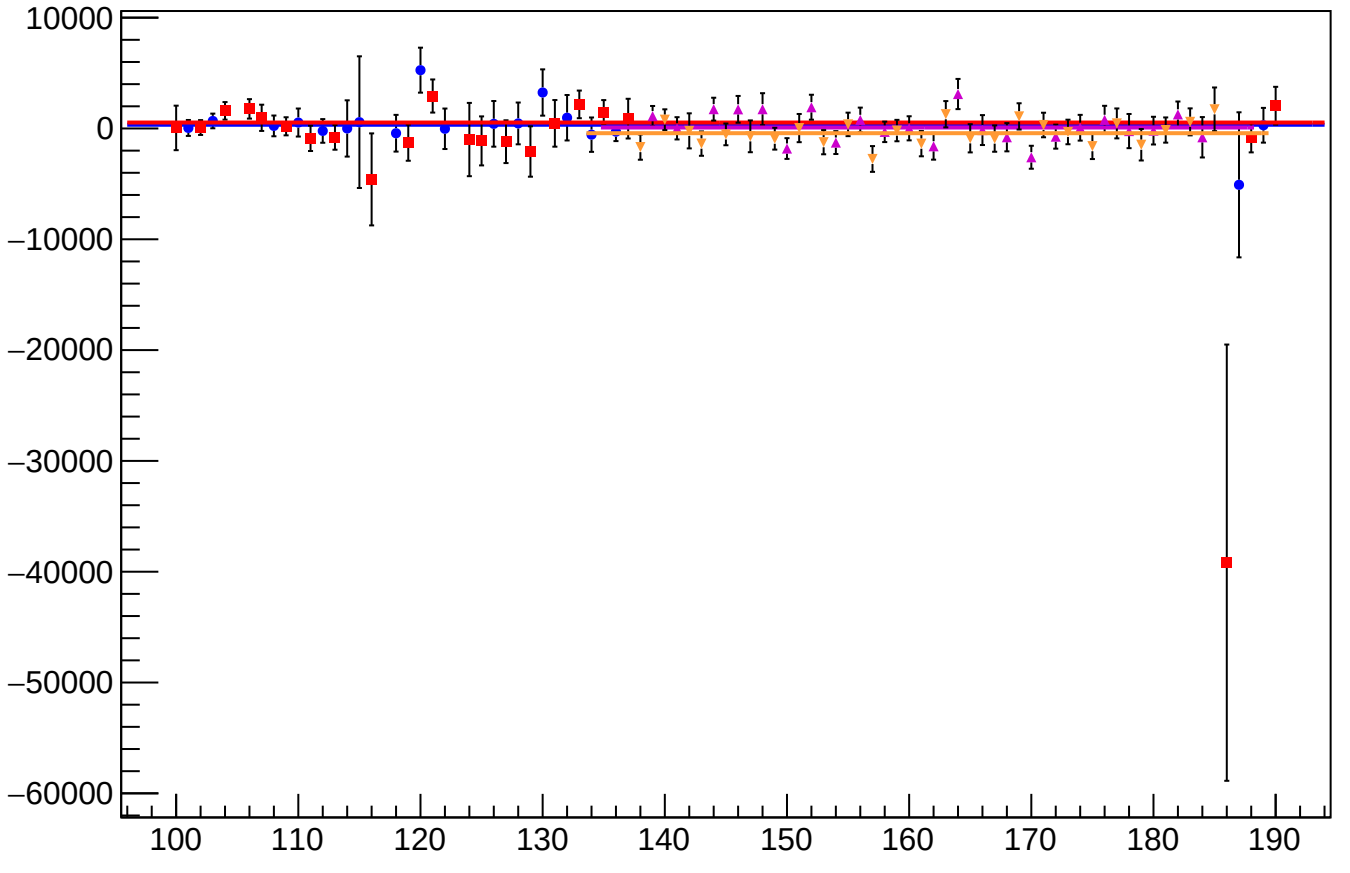
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 112.533+/-0.020 χ^2/NDF: 2913439.7/39

In: 144.554+/-0.021 χ^2/NDF:3517746.4/40

Out: 139.493+/-0.019 χ^2/NDF:4940812.1/46

All: 141.859+/-0.014 χ^2/NDF: 8490434.1/87



Right In: 335.577+/-299.384 χ^2/NDF: 10.5/17

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 536.182+/-269.626 χ^2/NDF: 24.3/21

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

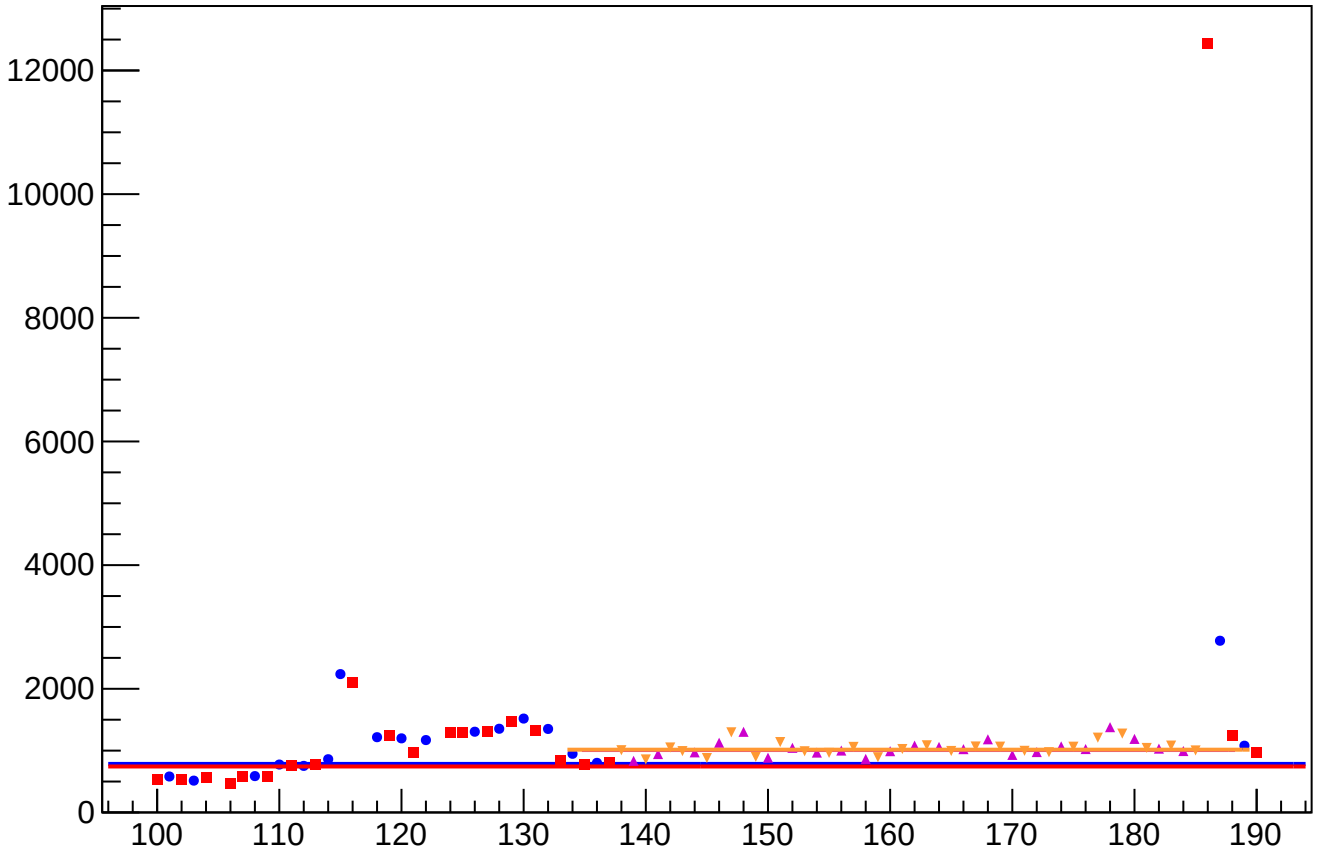
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 446.342+/-200.351 χ^2/NDF: 35.0/39

In: 183.022+/-186.378 χ^2/NDF:43.3/40

Out: -15.436+/-176.104 χ^2/NDF:50.0/46

All: 78.173+/-128.002 χ^2/NDF: 93.9/87



Right In: 785.050+/-0.212 χ^2/NDF: 2000744.1/17

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 743.540+/-0.191 χ^2/NDF: 2817345.8/21

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

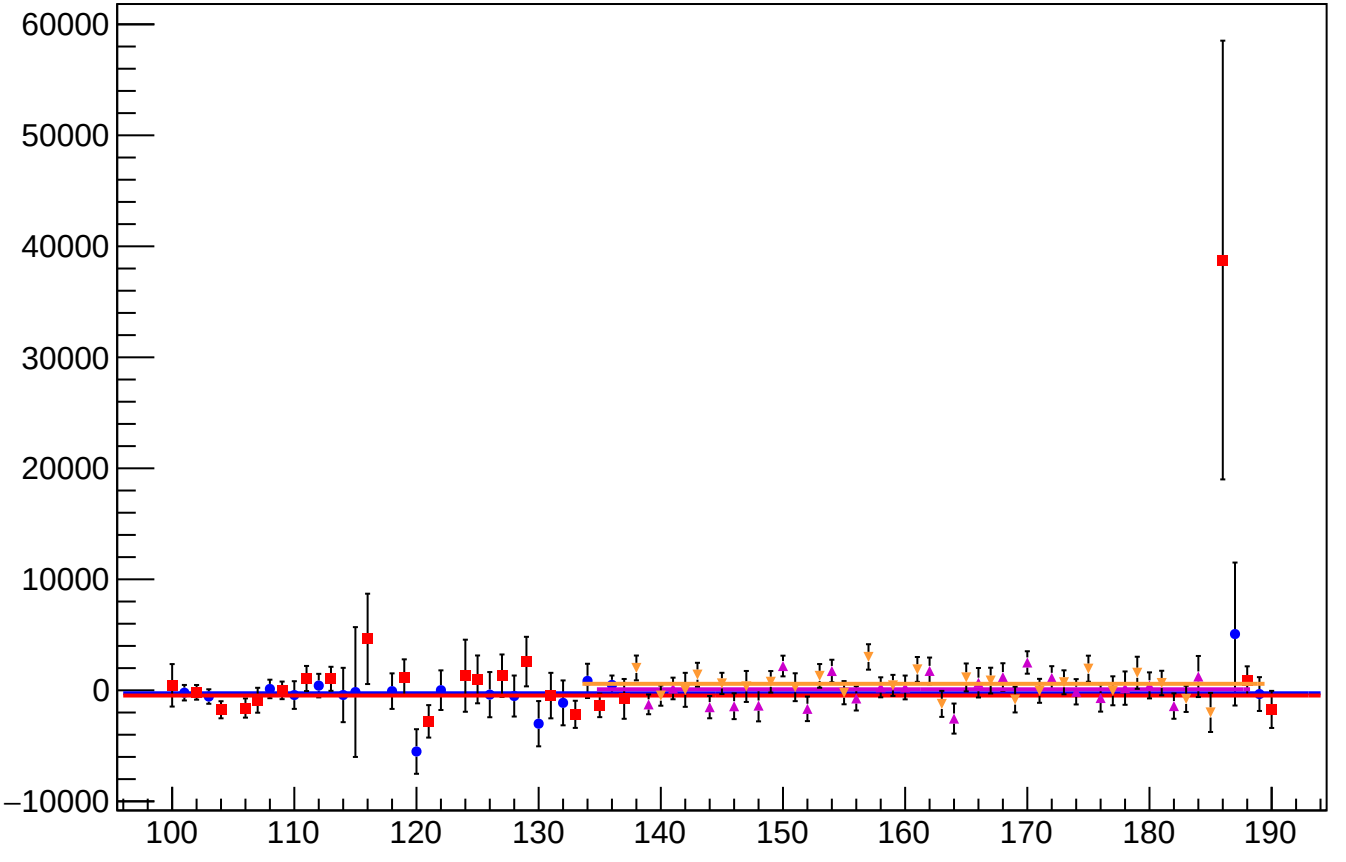
Right: 762.130+/-0.142 χ^2/NDF: 4839319.4/39

In: 922.620+/-0.132 χ^2/NDF:3189056.4/40

Out: 899.224+/-0.125 χ^2/NDF:4378187.0/46

All: 910.259+/-0.091 χ^2/NDF: 7583893.3/87

asym_sam5_mean vs Slug, Sign Corrected



Right In: -267.463+/-290.941 χ^2/NDF: 11.8/17

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -468.924+/-263.767 χ^2/NDF: 26.0/21

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

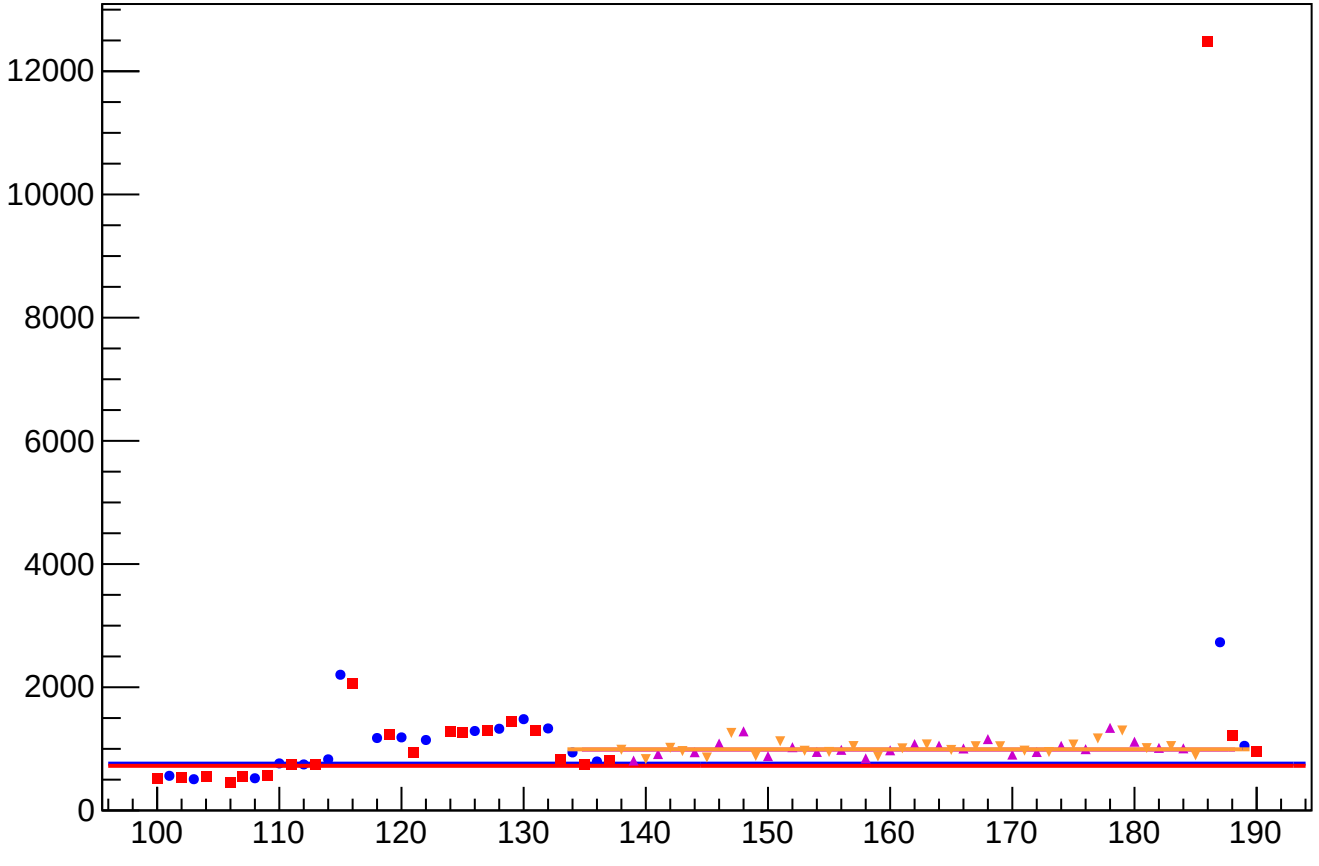
Right: -378.039+/-195.414 χ^2/NDF: 38.1/39

In: -48.056+/-181.876 χ^2/NDF:47.3/40

Out: 135.908+/-172.311 χ^2/NDF:56.0/46

All: 48.891+/-125.087 χ^2/NDF: 103.8/87

asym_sam5_rms vs Slug, Sign Corrected



Right In: 759.914+/-0.206 χ^2/NDF: 2086844.4/17

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 724.739+/-0.187 χ^2/NDF: 2868870.7/21

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

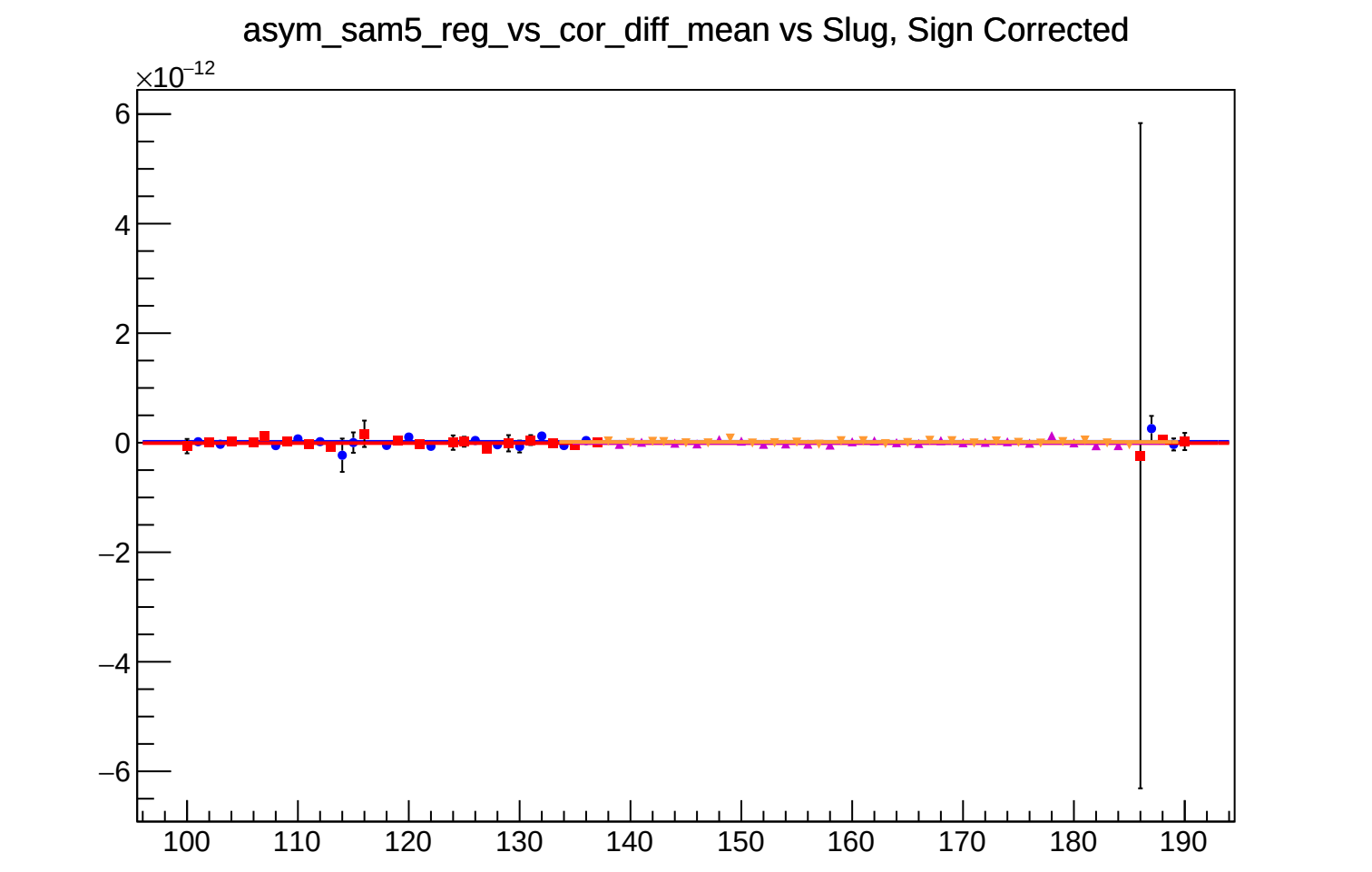
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 740.607+/-0.138 χ^2/NDF: 4971760.6/39

In: 898.735+/-0.129 χ^2/NDF:3321997.2/40

Out: 878.258+/-0.122 χ^2/NDF:4475667.5/46

All: 887.944+/-0.088 χ^2/NDF: 7811024.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/21

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

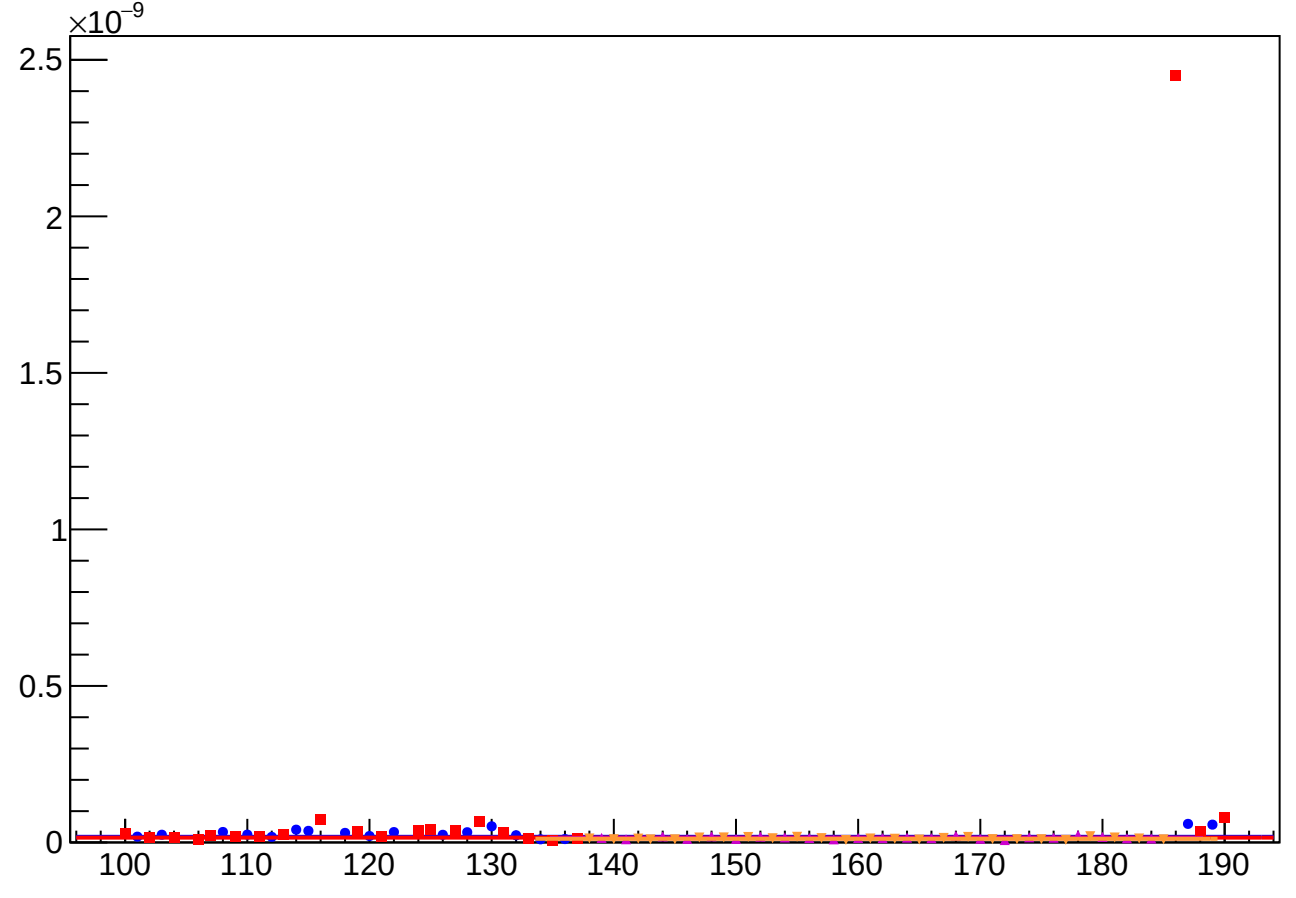
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 37.3/39

In: 0.000+/-0.000 χ^2/NDF:49.8/40

Out: 0.000+/-0.000 χ^2/NDF:42.7/46

All: 0.000+/-0.000 χ^2/NDF: 94.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 1475725.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2626401.5/21

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

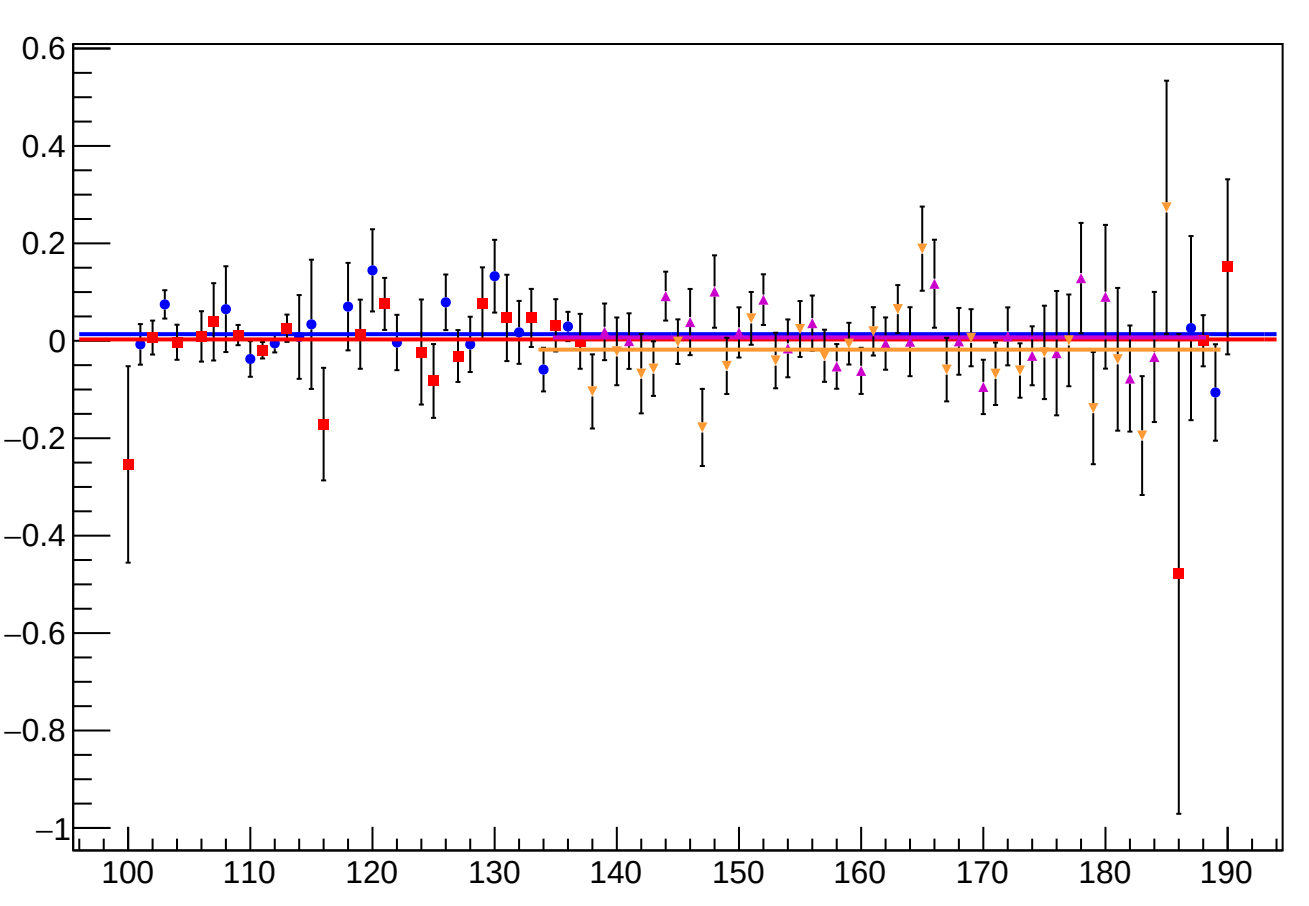
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4169042.3/39

In: 0.000+/-0.000 χ^2/NDF:2629677.9/40

Out: 0.000+/-0.000 χ^2/NDF:3651029.0/46

All: 0.000+/-0.000 χ^2/NDF: 6457240.9/87



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 14.1/21

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

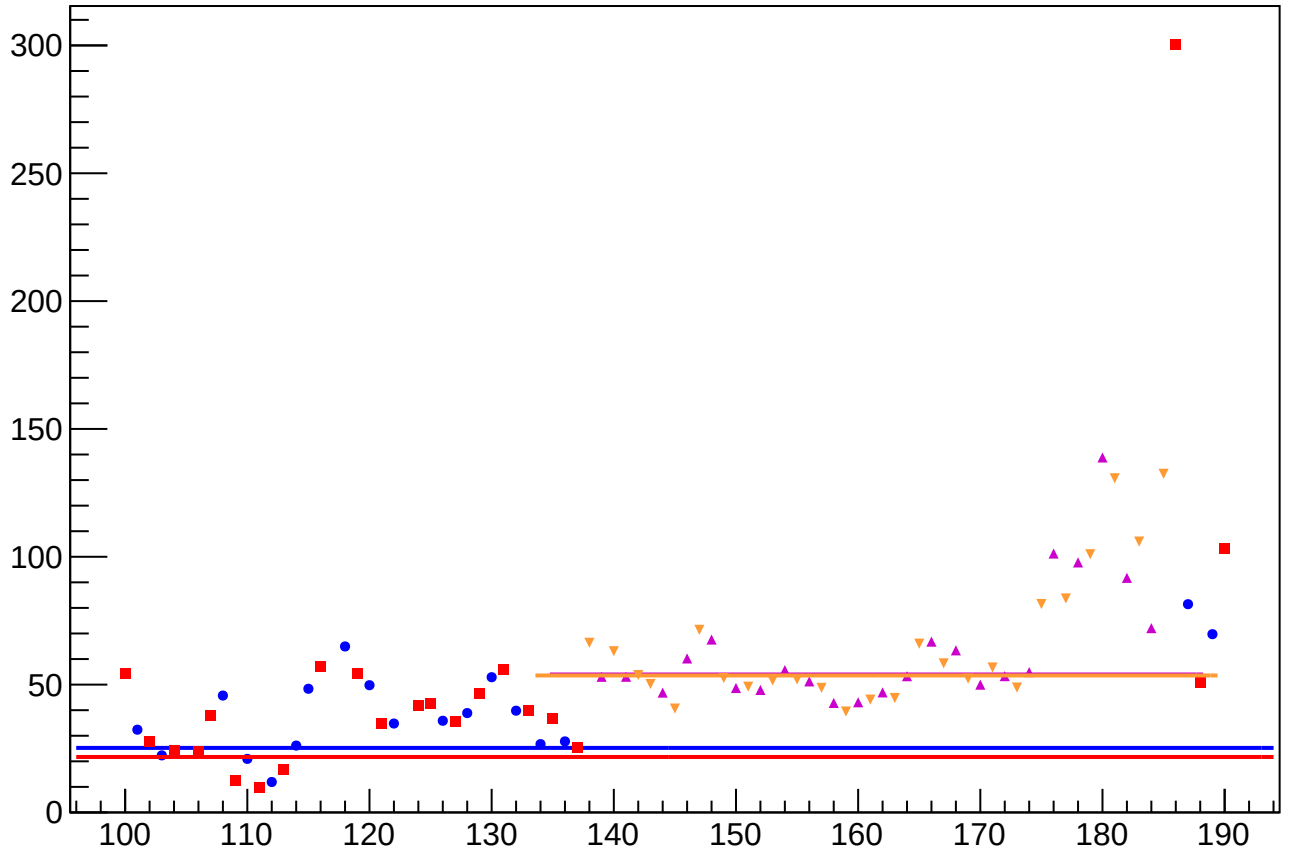
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.007 χ^2/NDF: 34.0/39

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:40.2/46

All: 0.003+/-0.006 χ^2/NDF: 80.2/87



Right In: 25.251+/-0.007 χ^2/NDF: 3073703.9/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 21.699+/-0.006 χ^2/NDF: 5285710.9/21

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

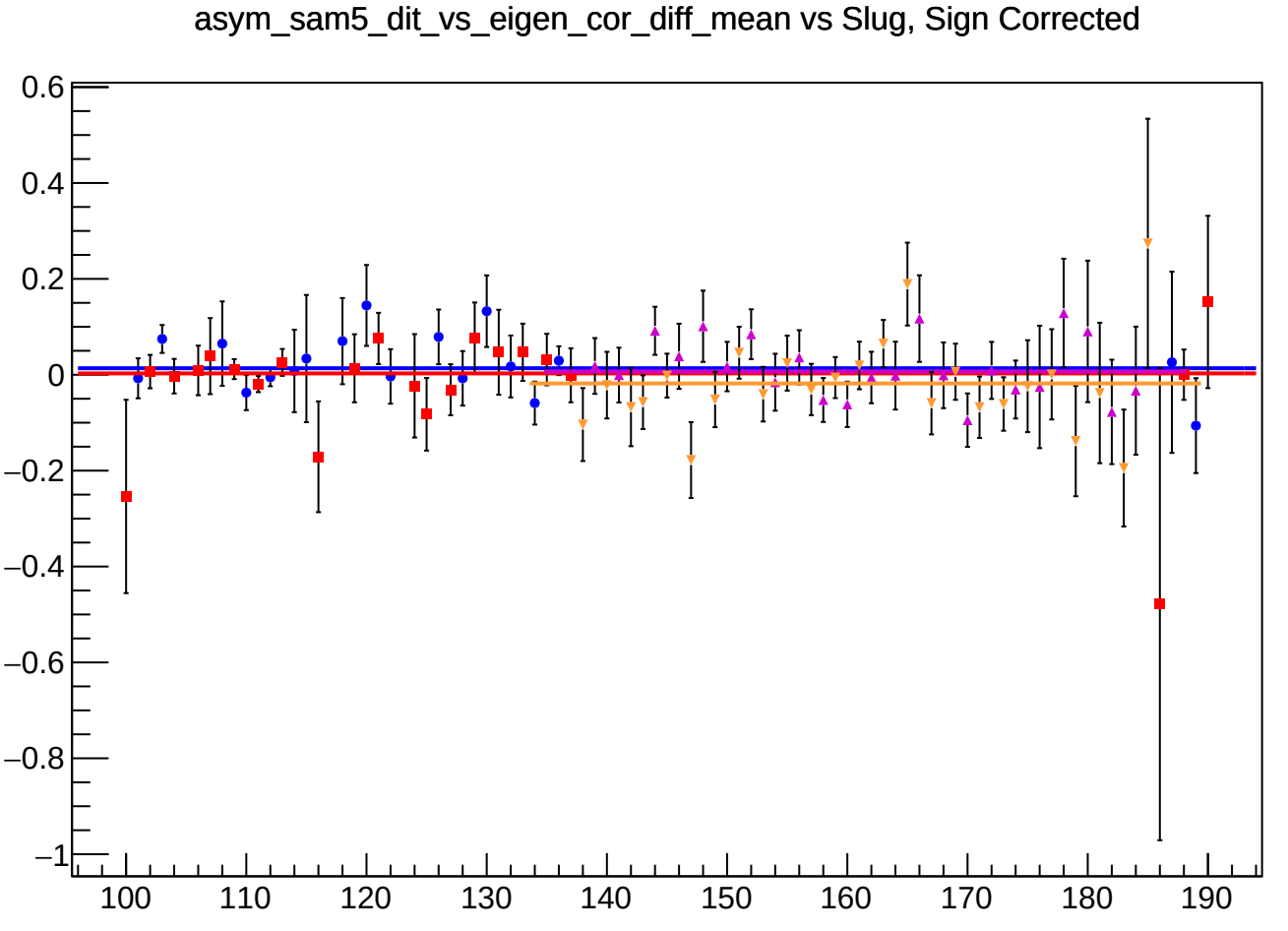
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 23.216+/-0.005 χ^2/NDF: 8490319.2/39

In: 36.399+/-0.006 χ^2/NDF:10906816.7/40

Out: 32.361+/-0.005 χ^2/NDF:16186331.6/46

All: 34.169+/-0.004 χ^2/NDF: 27359544.7/87



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 14.1/21

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

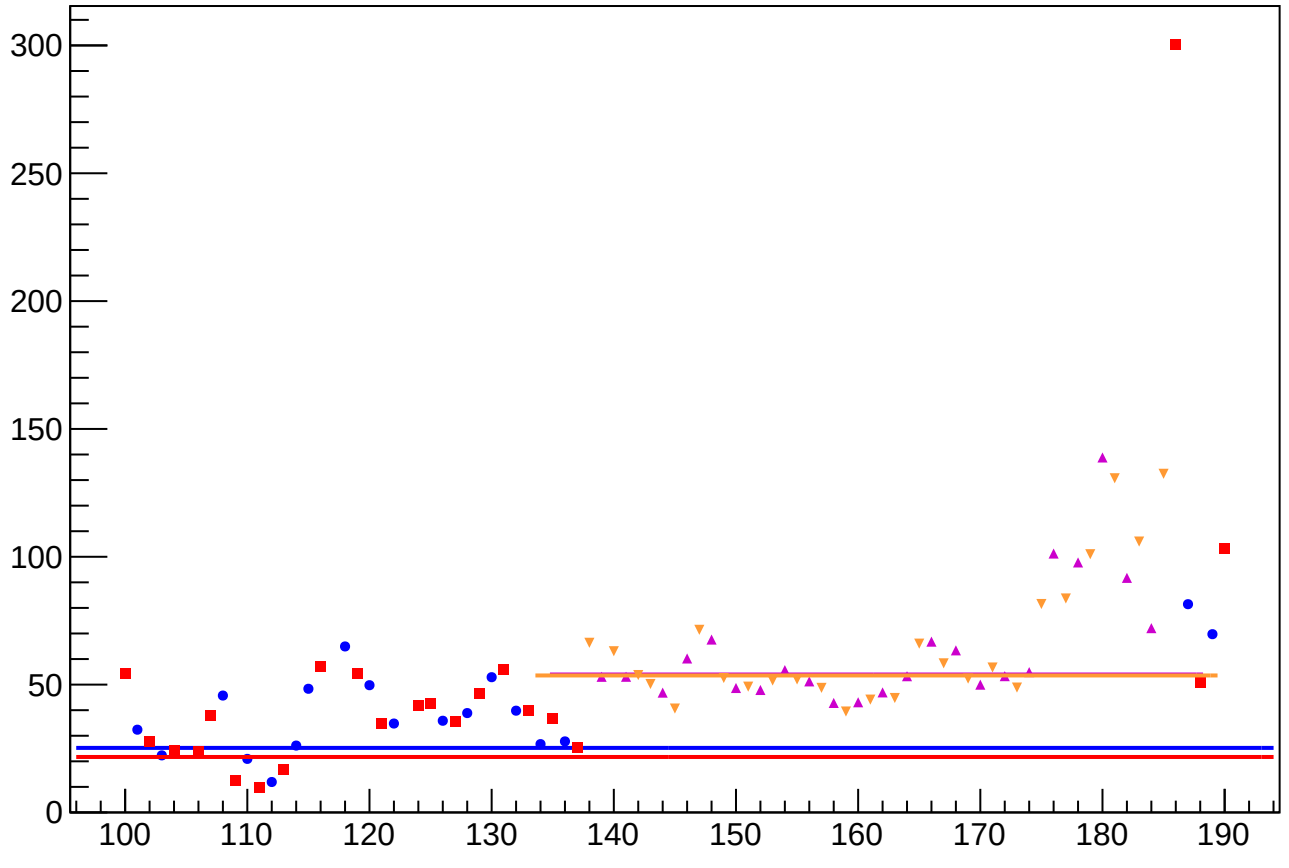
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.007 χ^2/NDF: 34.0/39

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:40.2/46

All: 0.003+/-0.006 χ^2/NDF: 80.2/87



Right In: 25.251+/-0.007 χ^2/NDF: 3073703.9/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 21.699+/-0.006 χ^2/NDF: 5285710.9/21

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

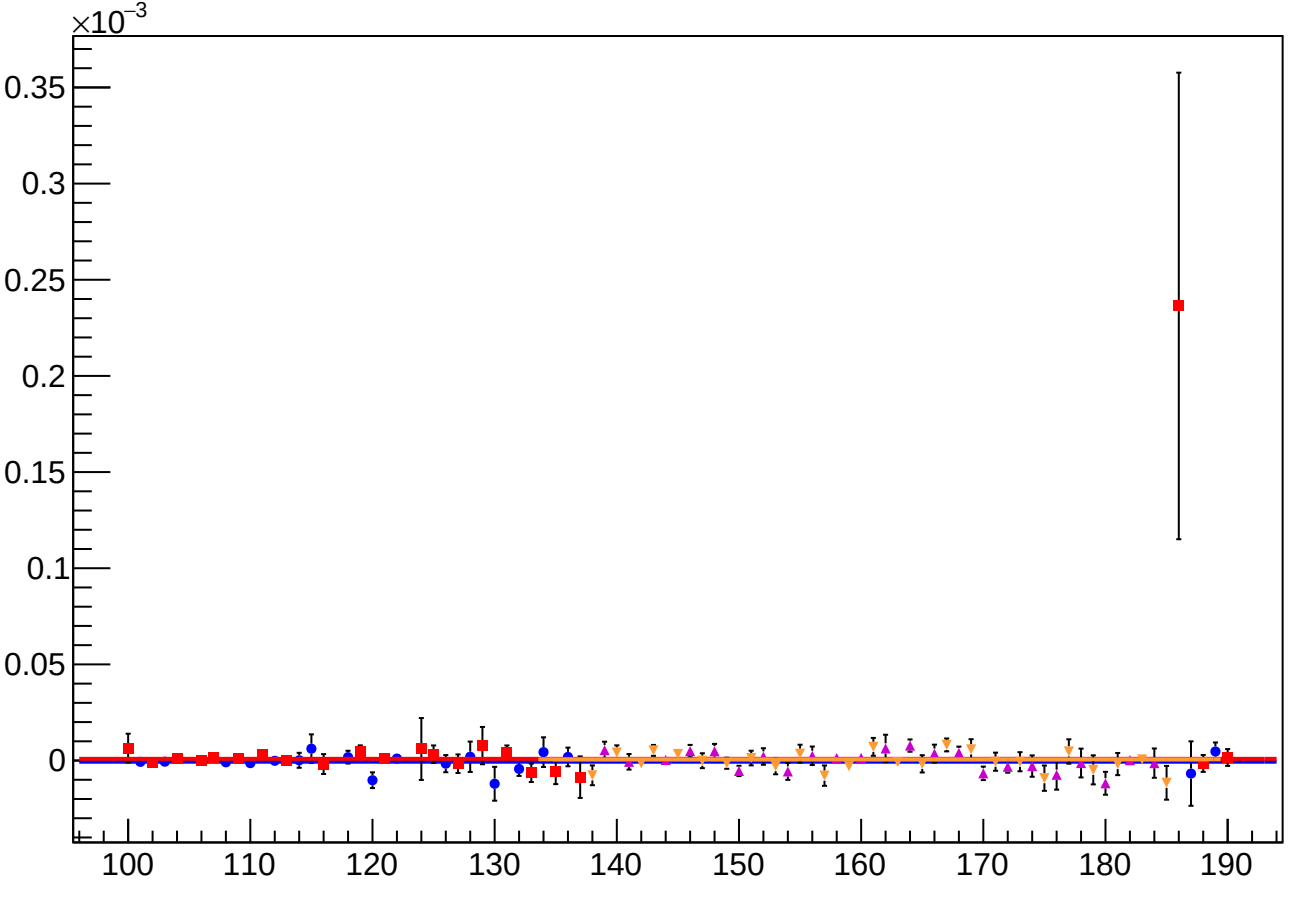
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 23.216+/-0.005 χ^2/NDF: 8490319.2/39

In: 36.399+/-0.006 χ^2/NDF:10906816.7/40

Out: 32.361+/-0.005 χ^2/NDF:16186331.6/46

All: 34.169+/-0.004 χ^2/NDF: 27359544.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/21

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

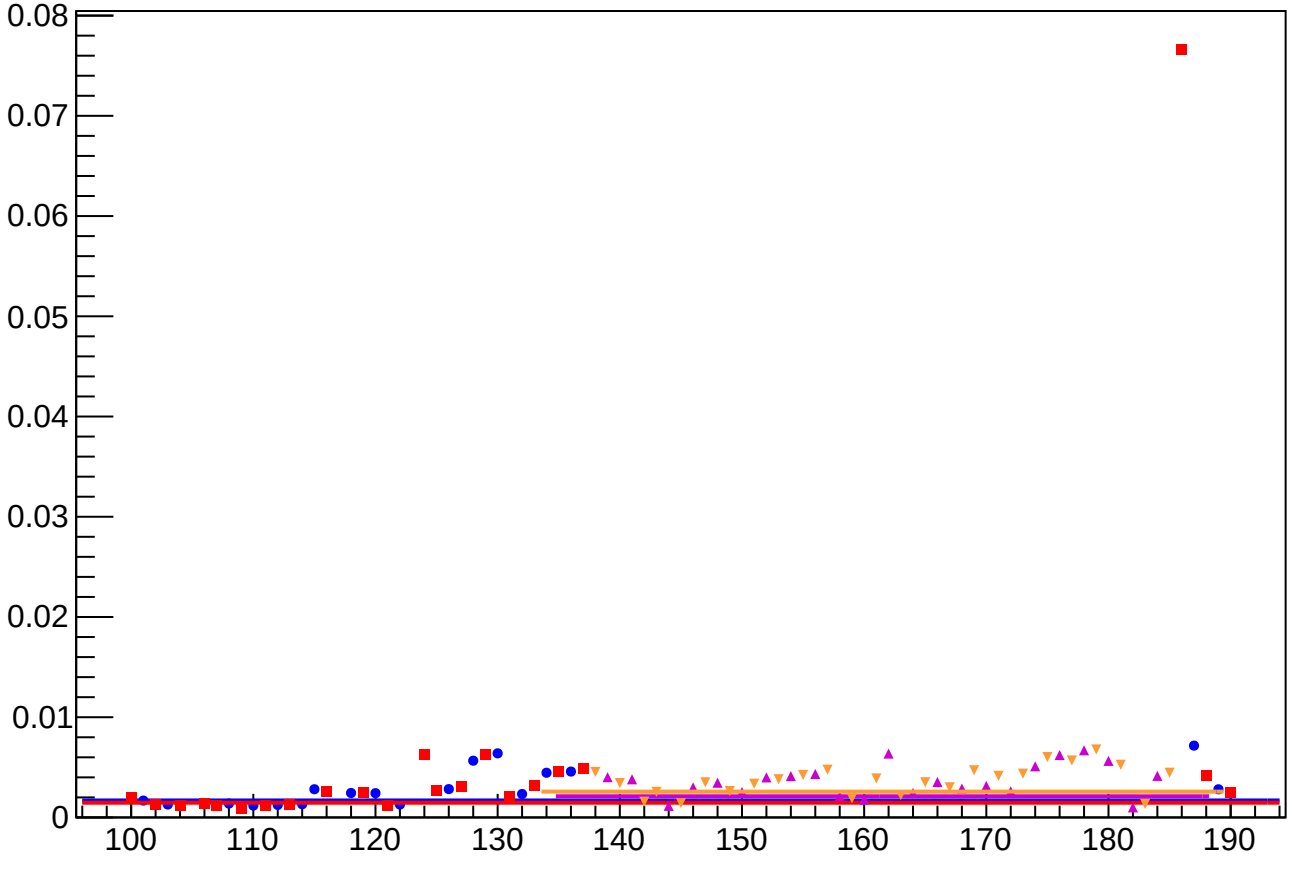
Right: 0.000+/-0.000 χ^2/NDF: 31.4/39

In: -0.000+/-0.000 χ^2/NDF:44.8/40

Out: 0.000+/-0.000 χ^2/NDF:47.0/46

All: 0.000+/-0.000 χ^2/NDF: 93.5/87

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3273286.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4579885.0/21

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

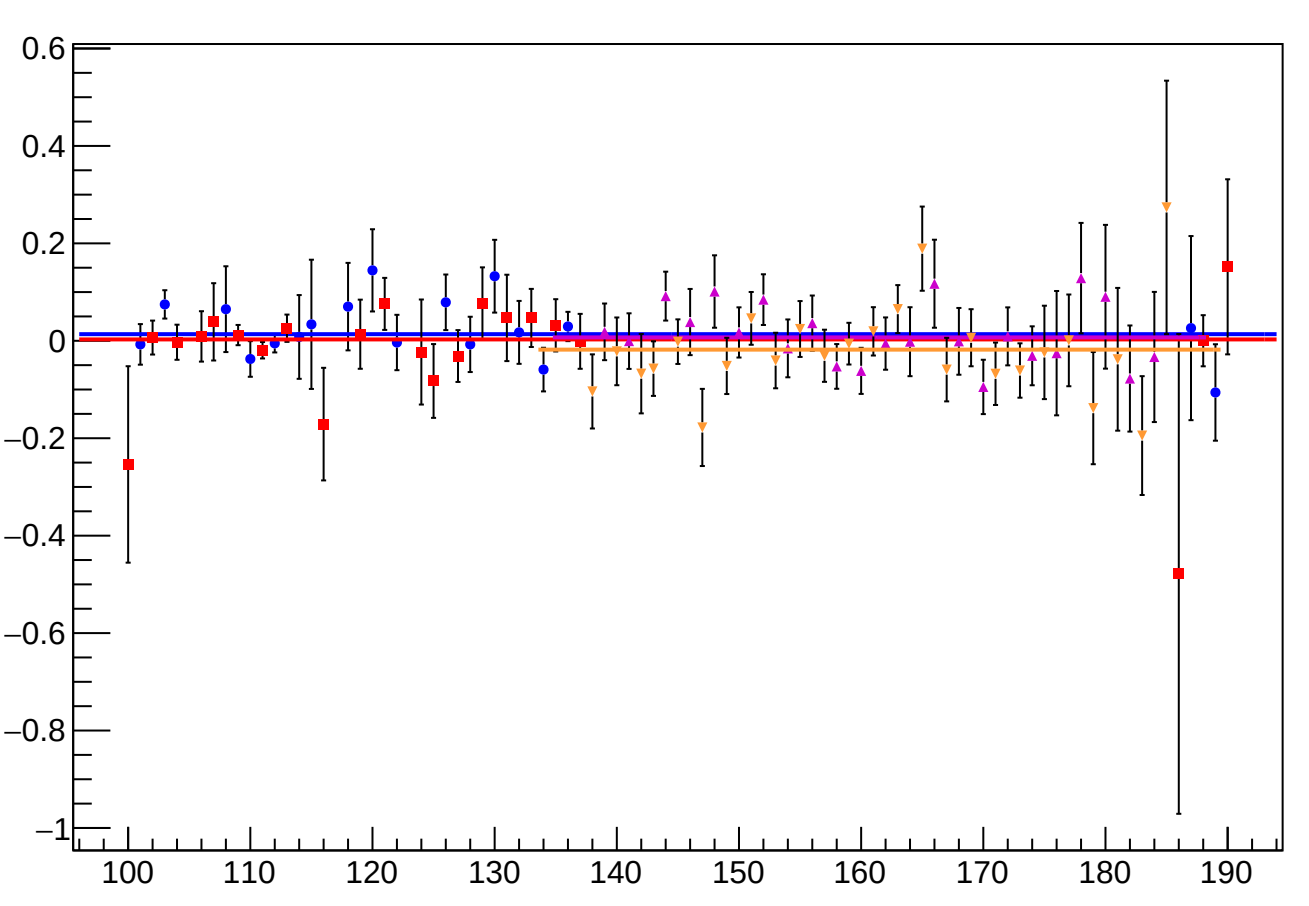
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 7979321.2/39

In: 0.002+/-0.000 χ^2/NDF:13186456.8/40

Out: 0.002+/-0.000 χ^2/NDF:14864481.7/46

All: 0.002+/-0.000 χ^2/NDF: 28051141.1/87



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 14.1/21

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

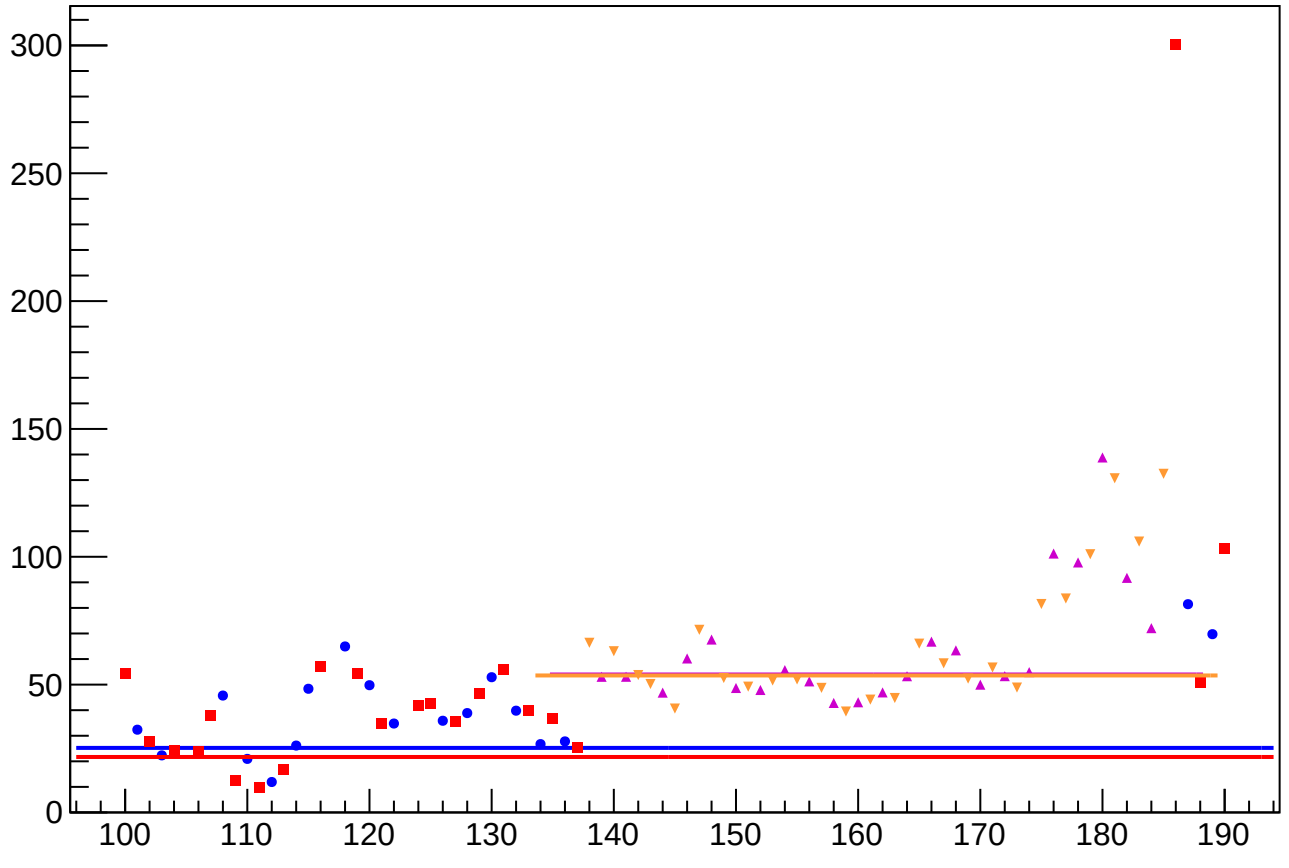
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.007 χ^2/NDF: 34.0/39

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:40.2/46

All: 0.003+/-0.006 χ^2/NDF: 80.2/87



Right In: 25.251+/-0.007 χ^2/NDF: 3073668.4/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 21.698+/-0.006 χ^2/NDF: 5285723.6/21

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

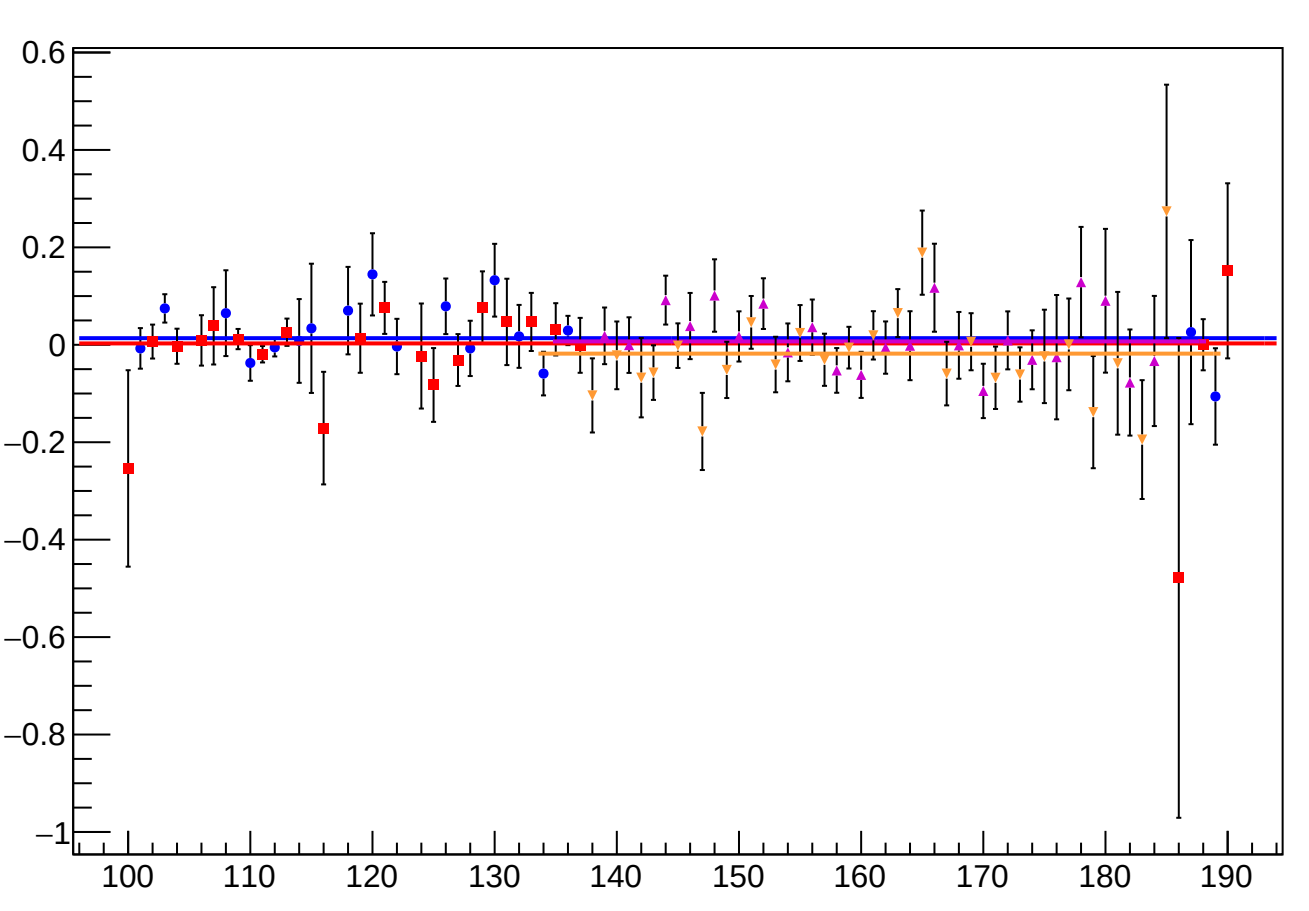
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 23.215+/-0.005 χ^2/NDF: 8490303.7/39

In: 36.398+/-0.006 χ^2/NDF:10907204.7/40

Out: 32.361+/-0.005 χ^2/NDF:16186873.6/46

All: 34.168+/-0.004 χ^2/NDF: 27360491.1/87



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 14.1/21

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

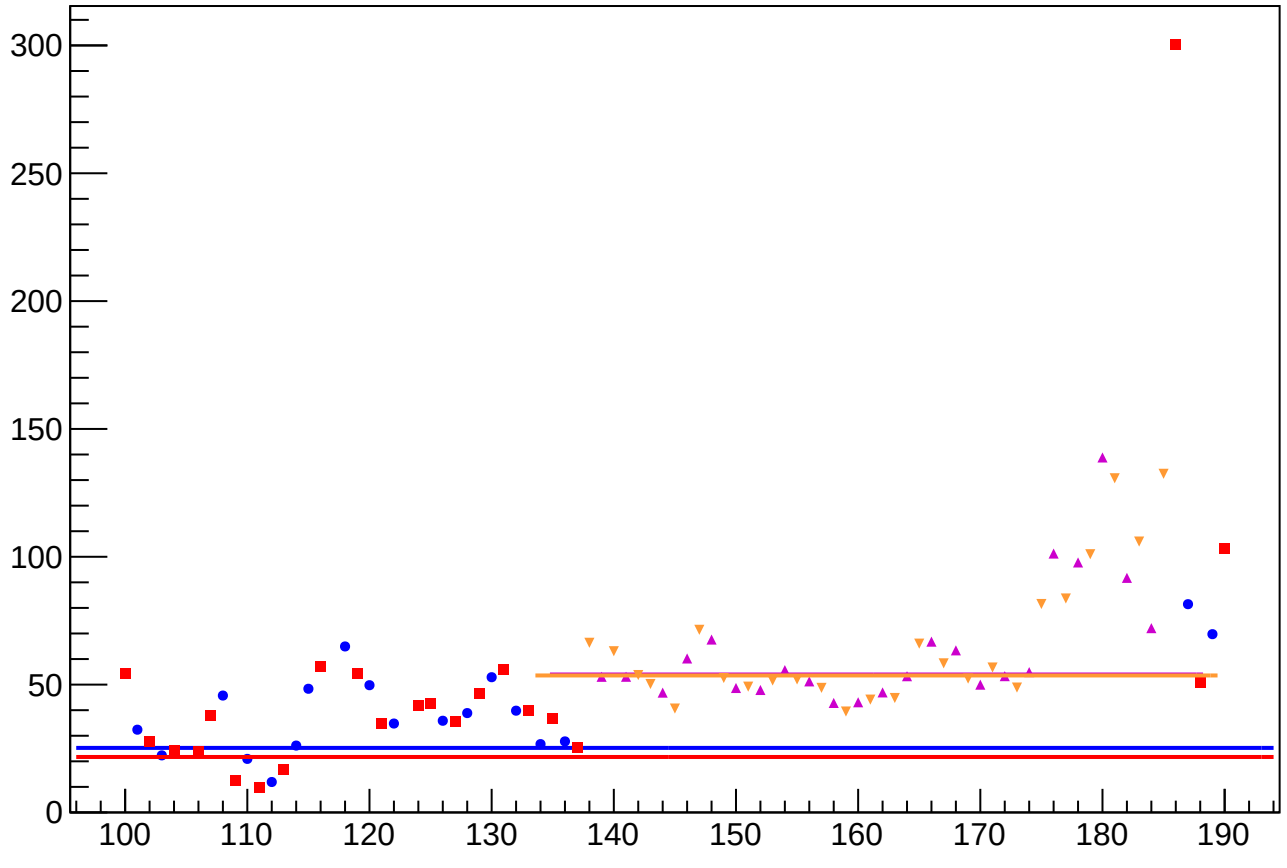
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.007 χ^2/NDF: 34.0/39

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:40.2/46

All: 0.003+/-0.006 χ^2/NDF: 80.2/87



Right In: 25.251+/-0.007 χ^2/NDF: 3073668.4/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 21.698+/-0.006 χ^2/NDF: 5285723.6/21

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

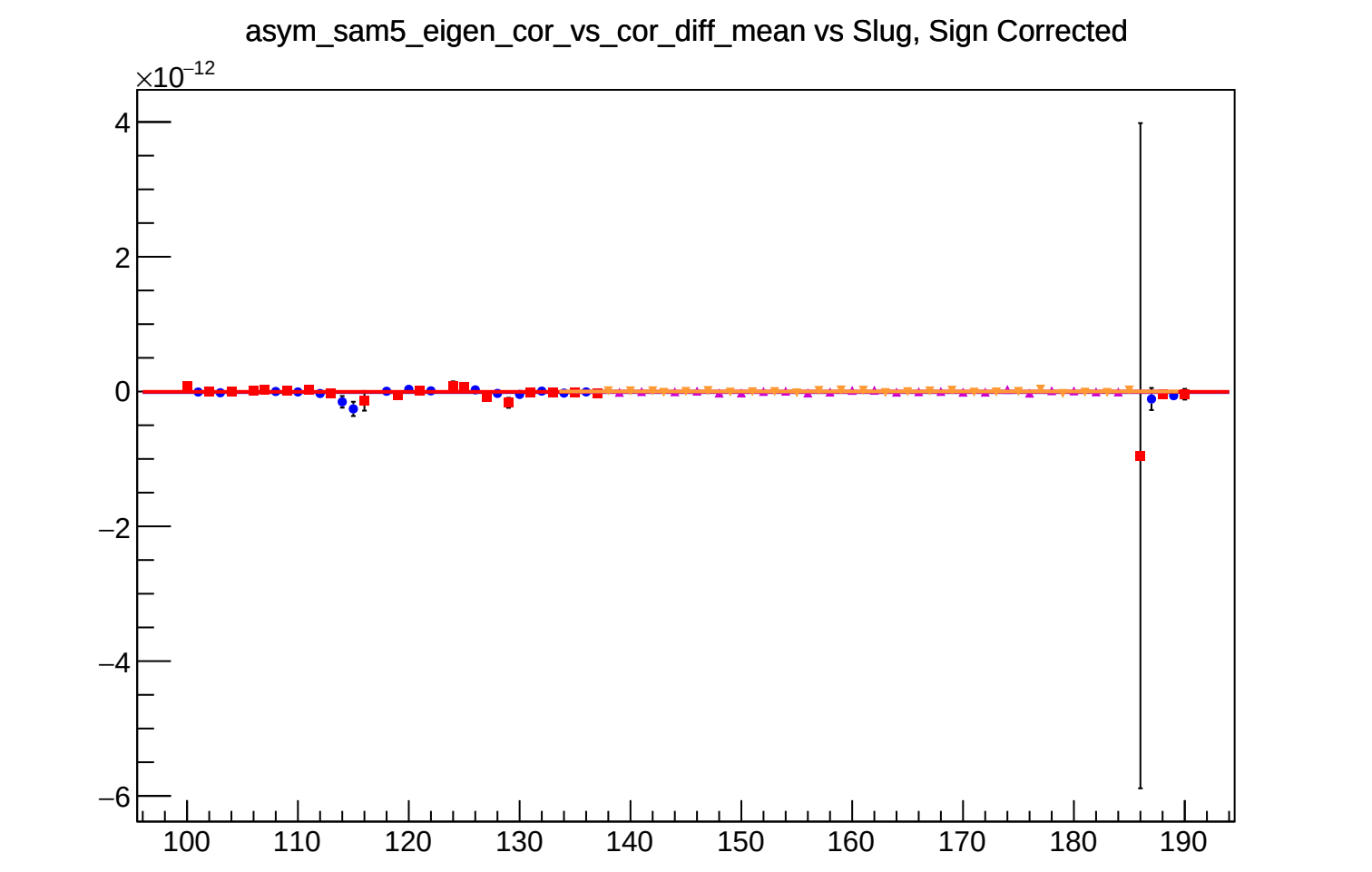
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 23.215+/-0.005 χ^2/NDF: 8490303.7/39

In: 36.398+/-0.006 χ^2/NDF:10907204.7/40

Out: 32.361+/-0.005 χ^2/NDF:16186873.6/46

All: 34.168+/-0.004 χ^2/NDF: 27360491.1/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/21

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

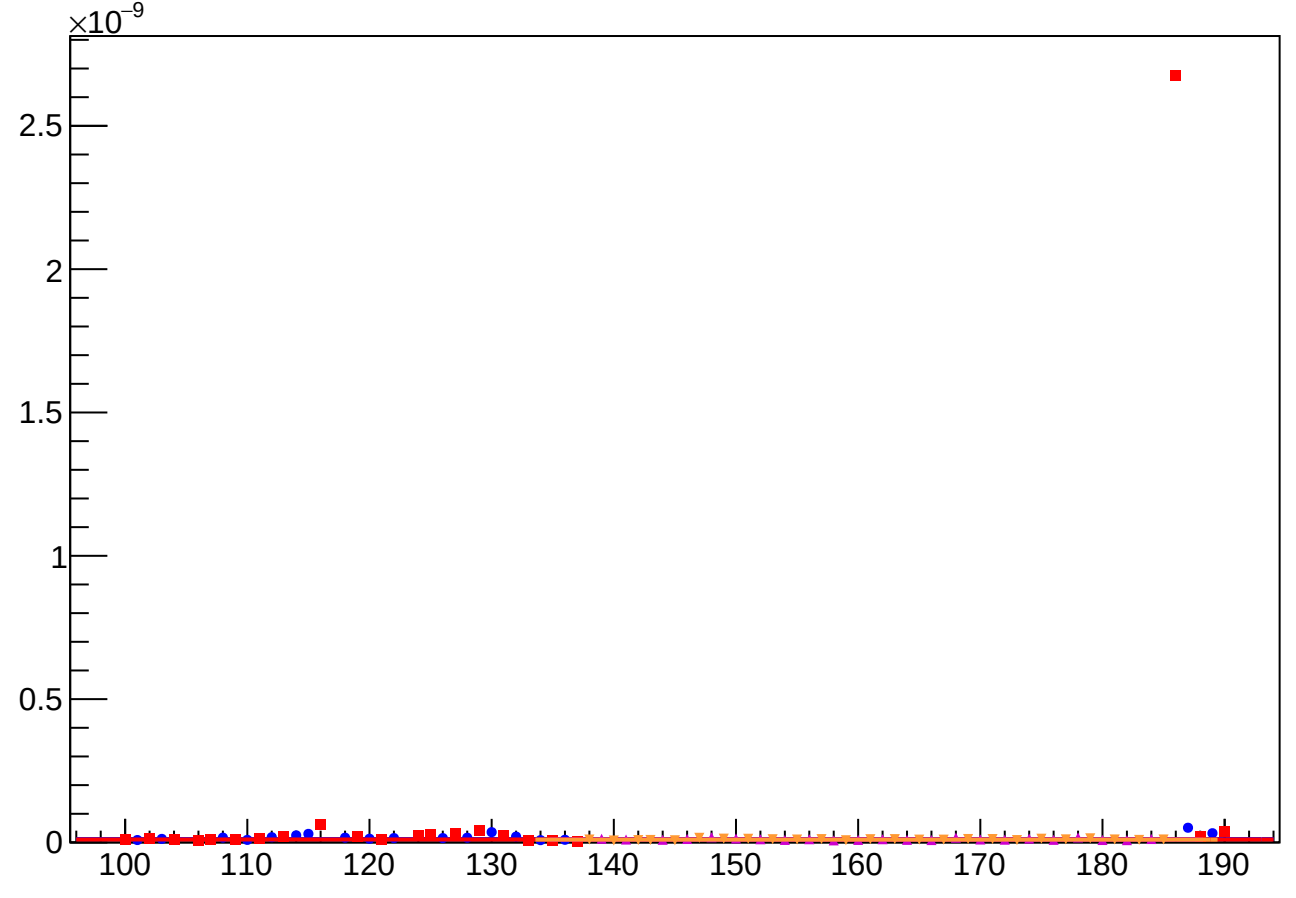
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 43.5/39

In: -0.000+/-0.000 χ^2/NDF:35.4/40

Out: 0.000+/-0.000 χ^2/NDF:55.7/46

All: -0.000+/-0.000 χ^2/NDF: 91.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 1538299.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3765329.5/21

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

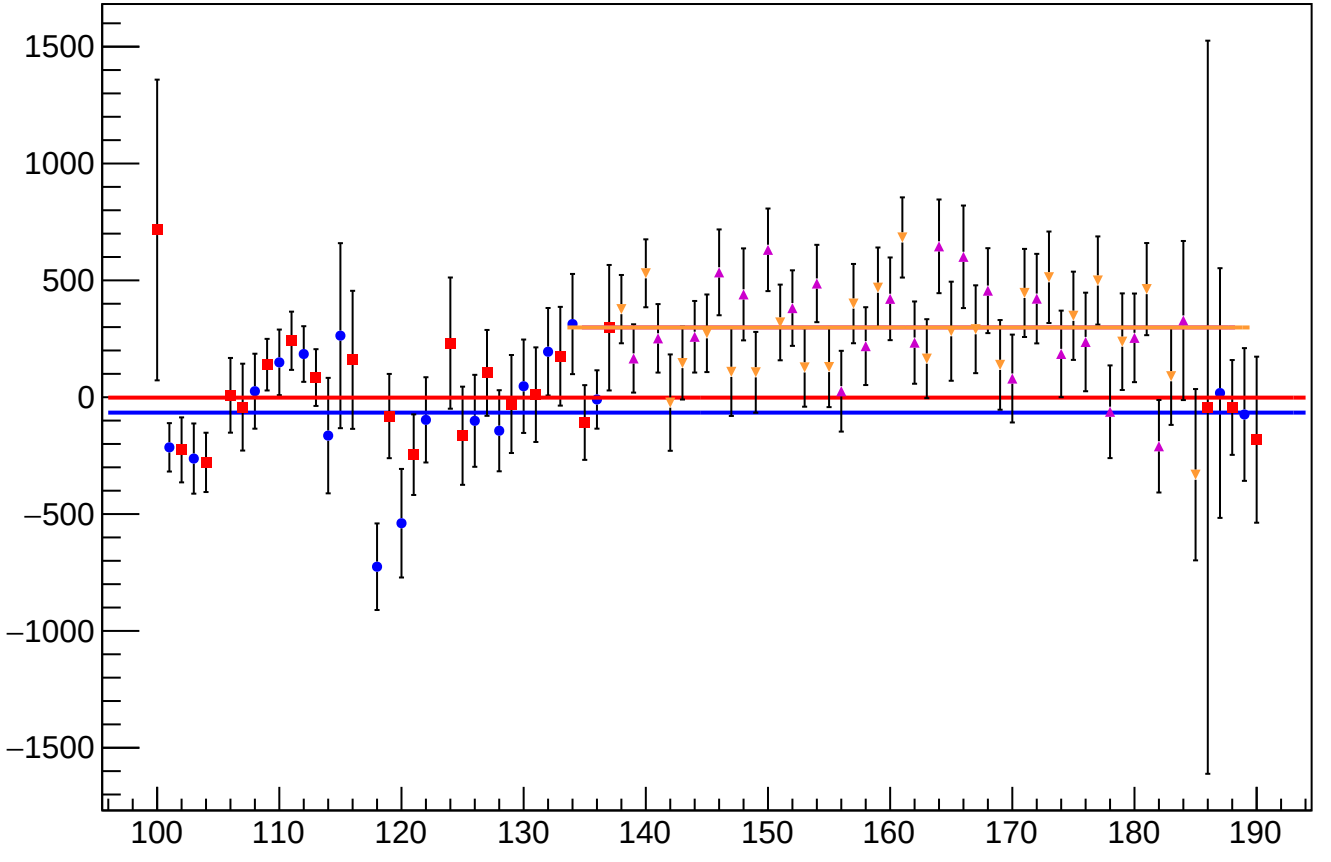
Right: 0.000+/-0.000 χ^2/NDF: 5372209.9/39

In: 0.000+/-0.000 χ^2/NDF:2970455.2/40

Out: 0.000+/-0.000 χ^2/NDF:4975671.9/46

All: 0.000+/-0.000 χ^2/NDF: 7994791.9/87

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.904+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -1.707+/-37.943 χ^2/NDF: 21.4/21

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

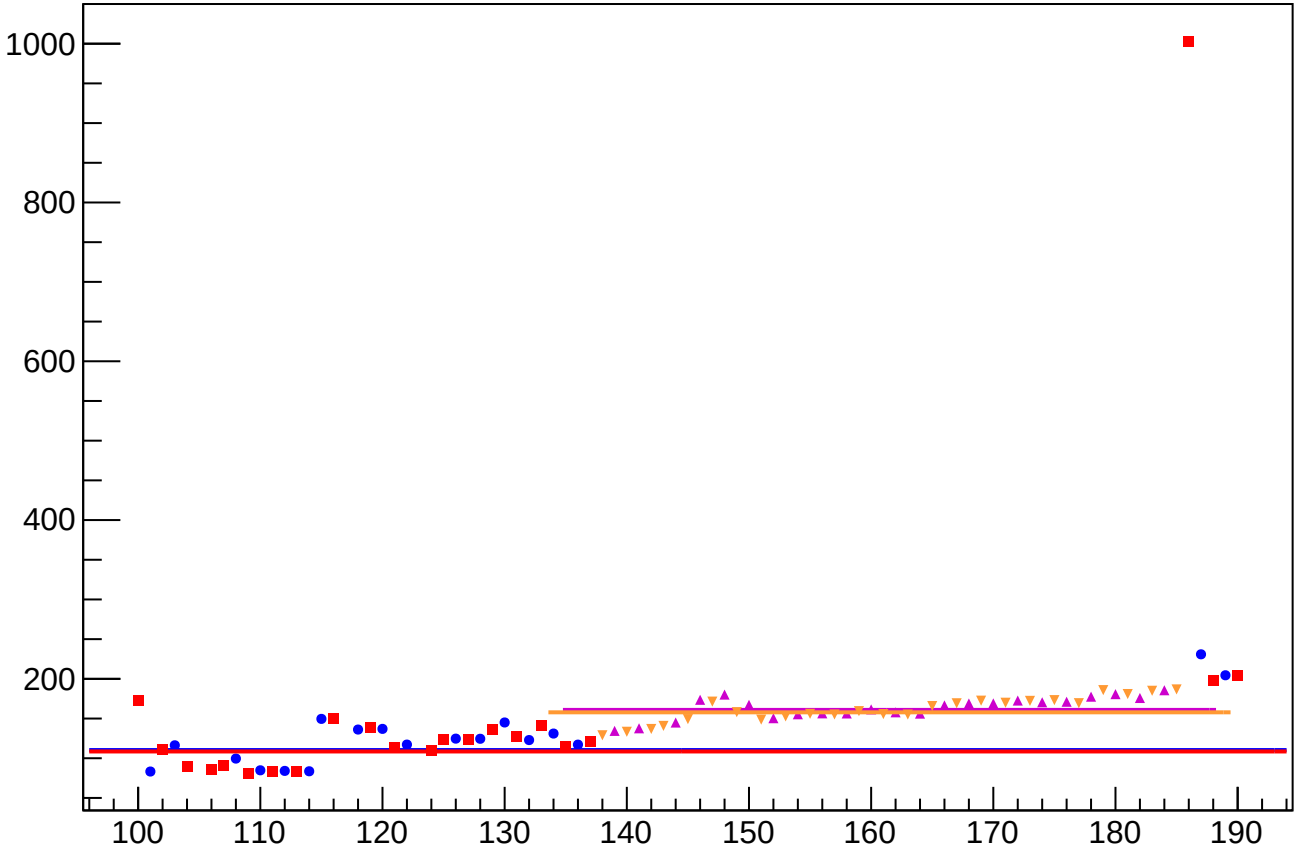
Right: -31.792+/-27.658 χ^2/NDF: 57.2/39

In: 128.856+/-27.574 χ^2/NDF:107.4/40

Out: 156.077+/-26.135 χ^2/NDF:80.3/46

All: 143.195+/-18.969 χ^2/NDF: 188.2/87

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 110.309+/-0.029 χ^2/NDF: 863246.1/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 108.535+/-0.027 χ^2/NDF: 1835883.3/21

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

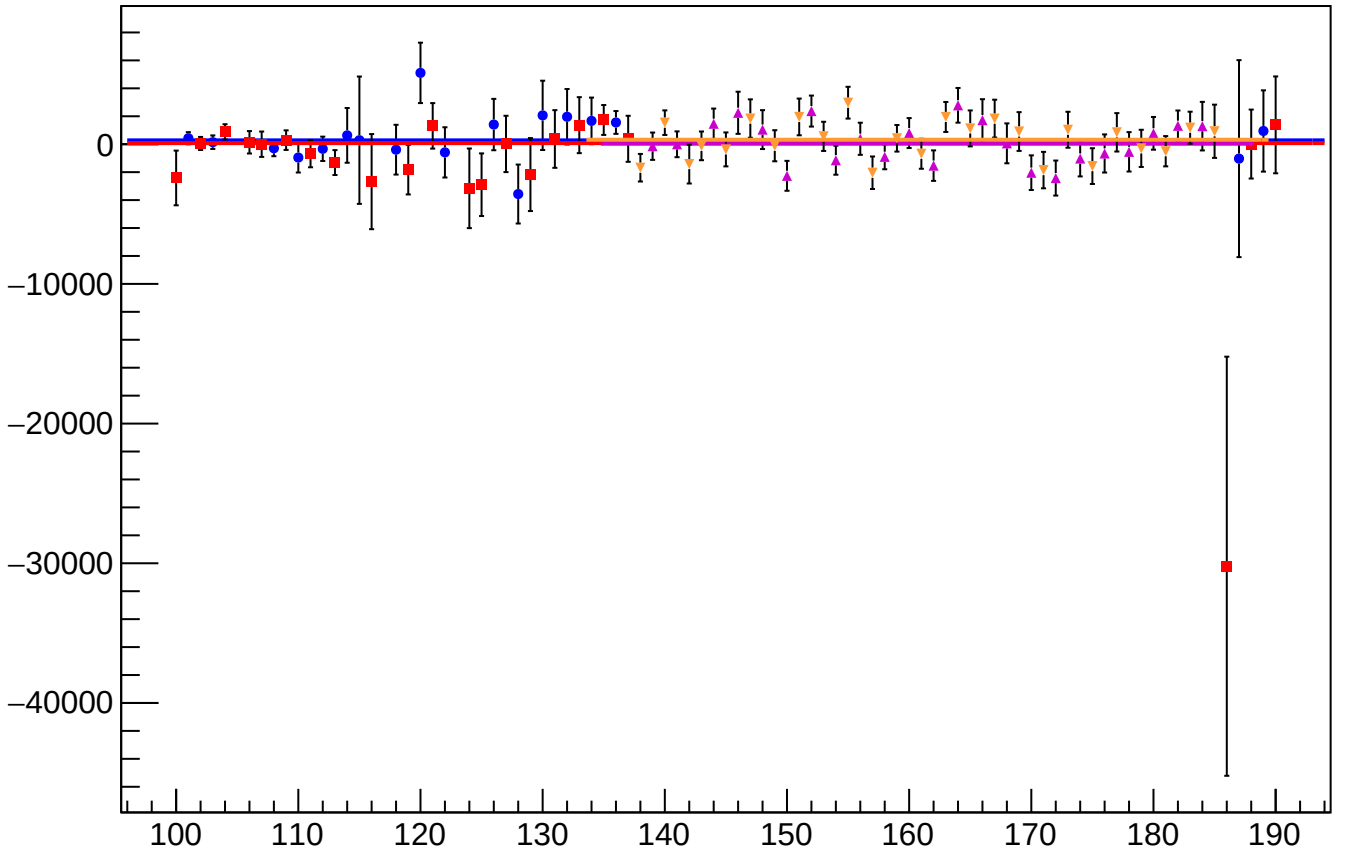
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 109.366+/-0.020 χ^2/NDF: 2701180.2/39

In: 137.321+/-0.019 χ^2/NDF:2805063.8/40

Out: 134.445+/-0.018 χ^2/NDF:3987744.1/46

All: 135.806+/-0.013 χ^2/NDF: 6804270.1/87



Right In: 274.336+/-229.819 χ^2/NDF: 16.6/17

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 78.103+/-230.595 χ^2/NDF: 20.2/21

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

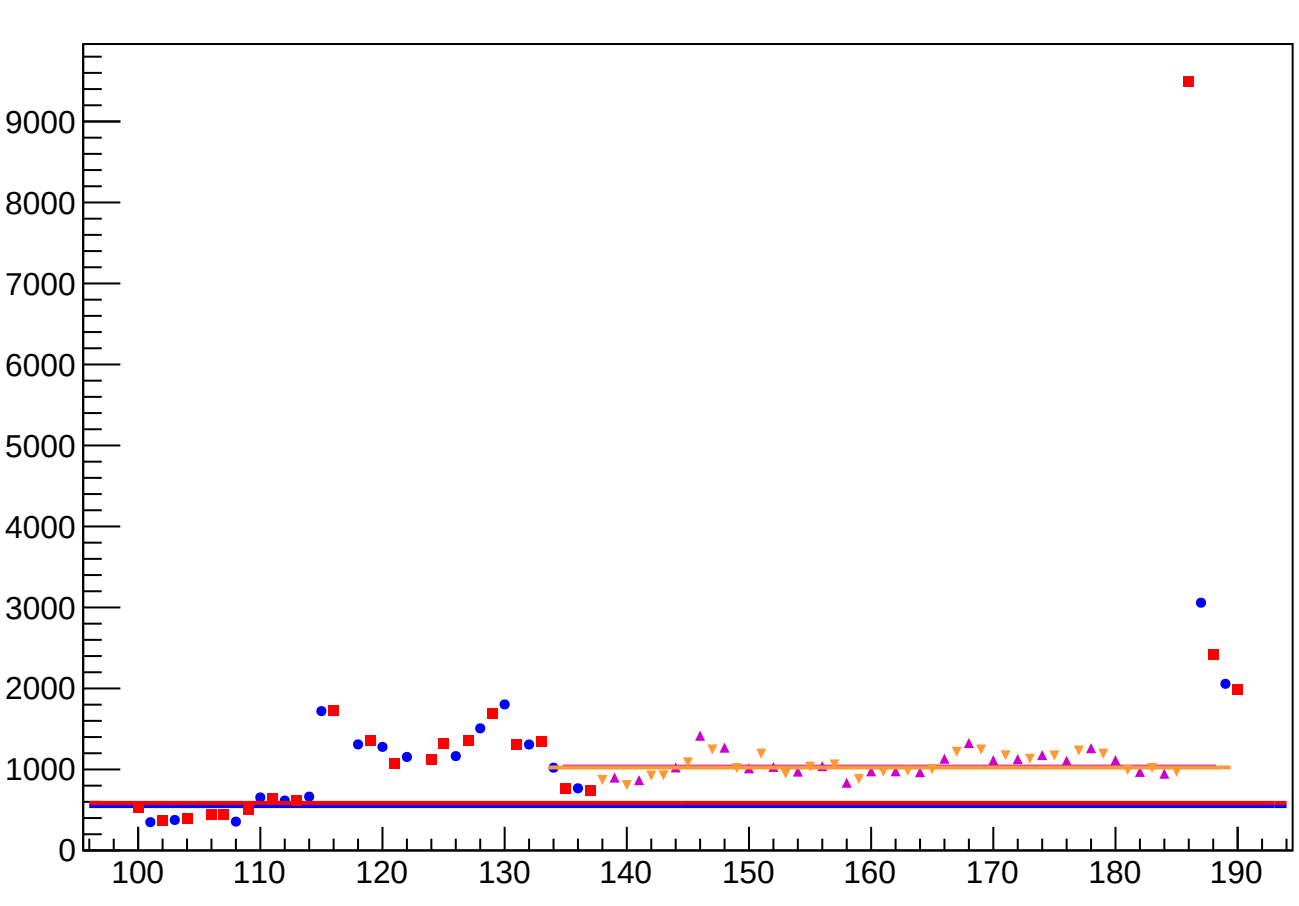
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 176.550+/-162.780 χ^2/NDF: 37.2/39

In: 163.873+/-167.346 χ^2/NDF:51.8/40

Out: 196.694+/-164.619 χ^2/NDF:53.3/46

All: 180.553+/-117.355 χ^2/NDF: 105.1/87



Right In: 547.861+/-0.163 χ^2/NDF: 4430152.1/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 587.424+/-0.163 χ^2/NDF: 5259970.8/21

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

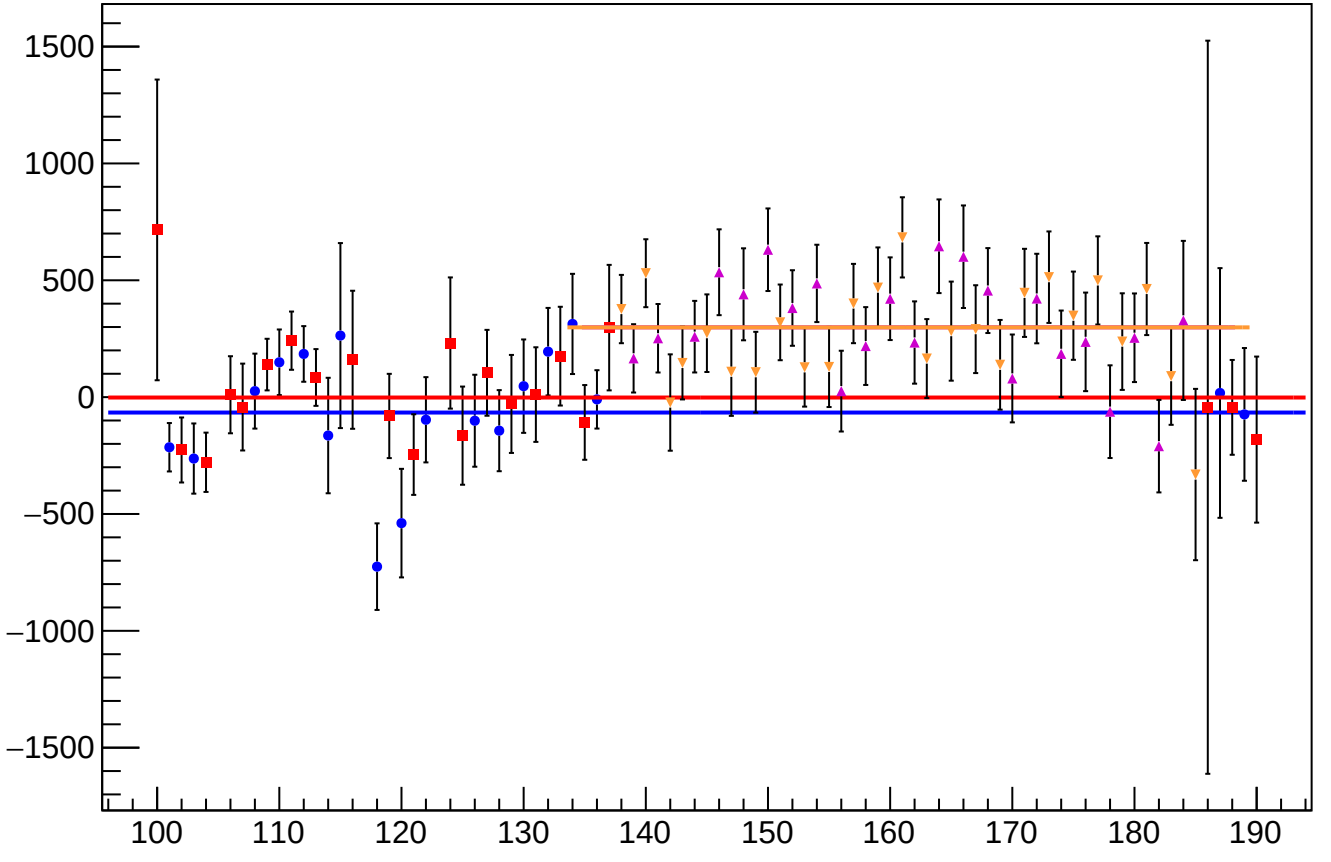
Right: 567.575+/-0.115 χ^2/NDF: 9719657.8/39

In: 776.439+/-0.118 χ^2/NDF:9270131.2/40

Out: 801.746+/-0.116 χ^2/NDF:9380883.2/46

All: 789.300+/-0.083 χ^2/NDF: 18674257.9/87

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.929+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -1.677+/-38.008 χ^2/NDF: 21.4/21

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

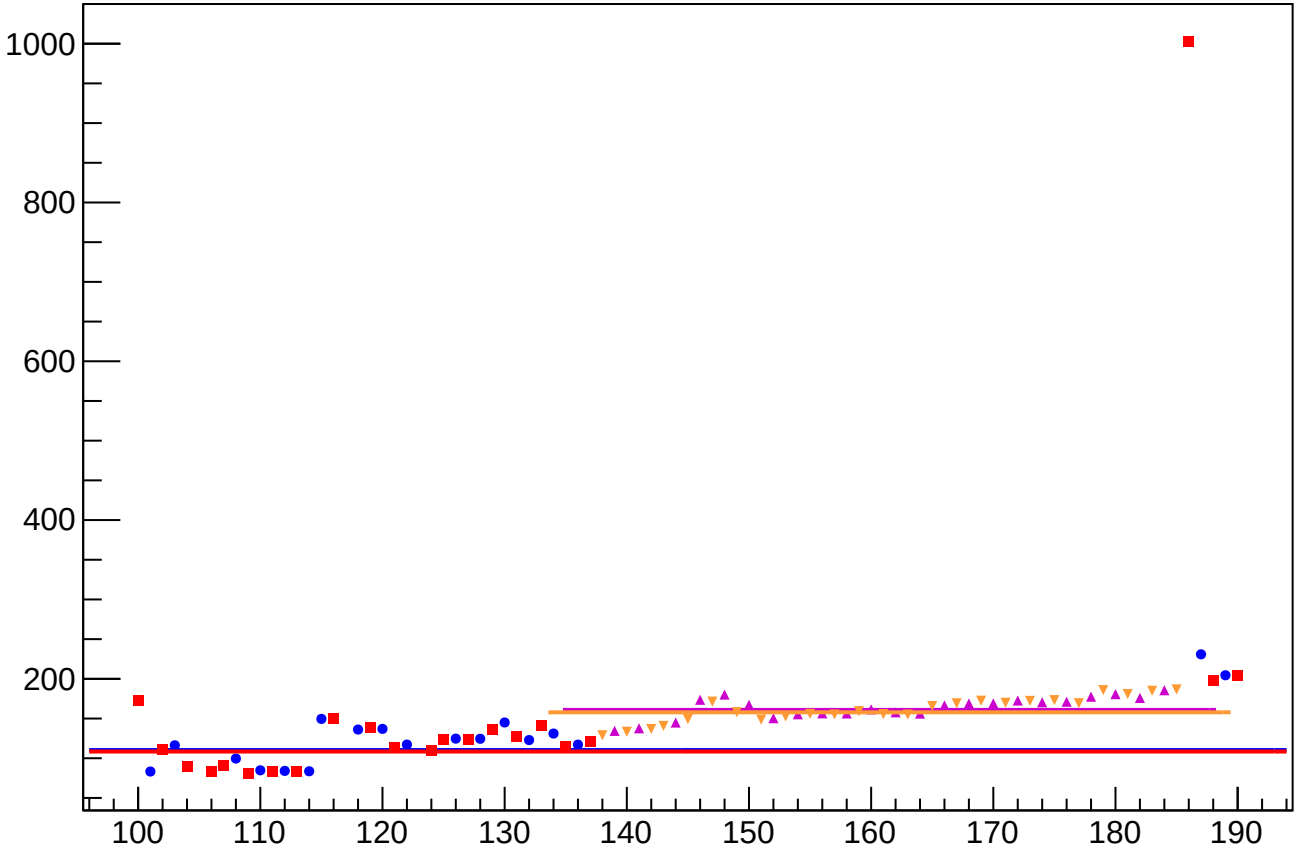
Right: -31.843+/-27.683 χ^2/NDF: 57.2/39

In: 128.848+/-27.574 χ^2/NDF:107.4/40

Out: 156.349+/-26.156 χ^2/NDF:80.3/46

All: 143.324+/-18.977 χ^2/NDF: 188.1/87

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 110.309+/-0.029 χ^2/NDF: 863246.9/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 108.445+/-0.027 χ^2/NDF: 1844649.2/21

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

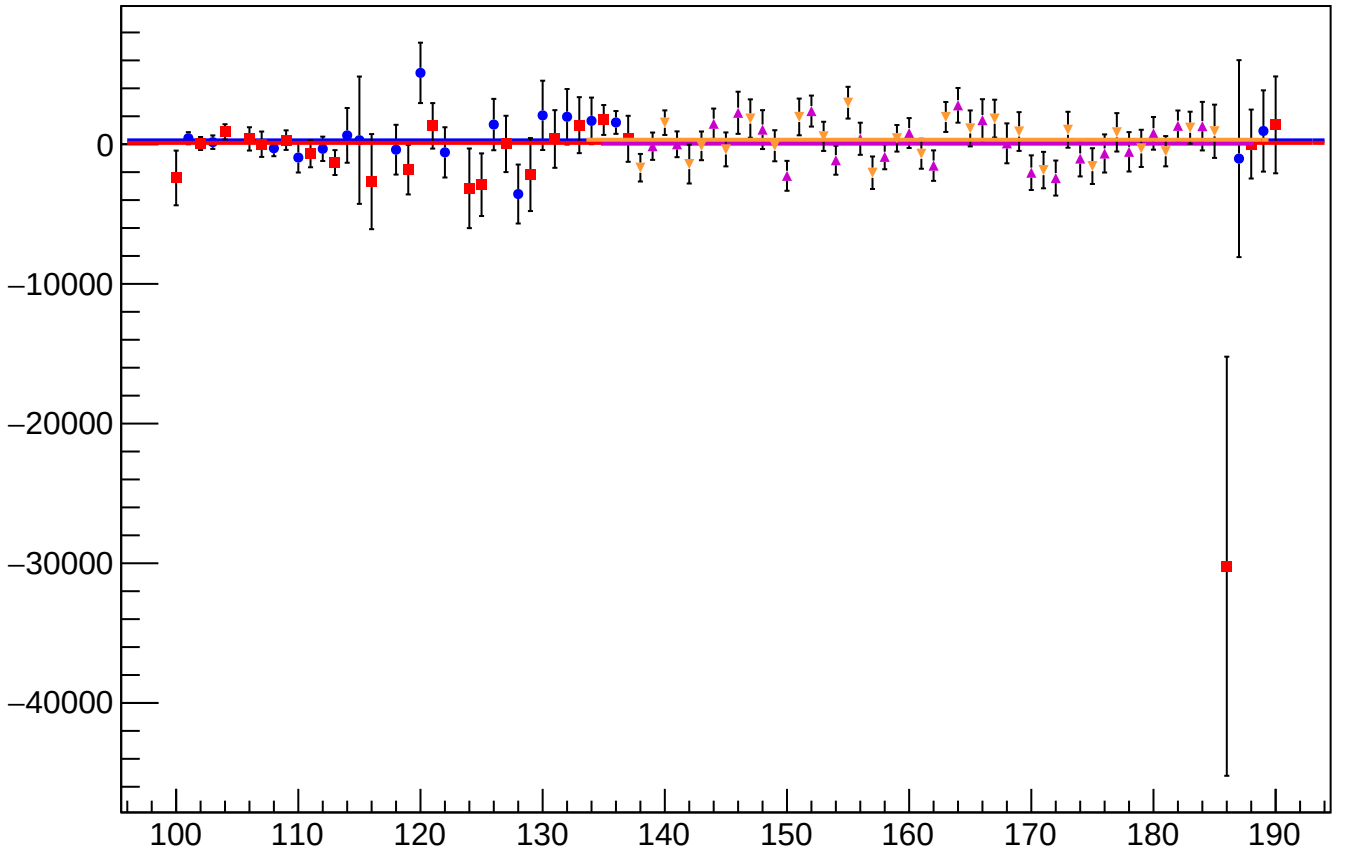
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 109.320+/-0.020 χ^2/NDF: 2710155.7/39

In: 137.321+/-0.019 χ^2/NDF:2805060.5/40

Out: 134.445+/-0.018 χ^2/NDF:3999750.7/46

All: 135.807+/-0.013 χ^2/NDF: 6816266.5/87



Right In: 274.475+/-229.812 χ^2/NDF: 16.6/17

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 95.606+/-231.209 χ^2/NDF: 20.4/21

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

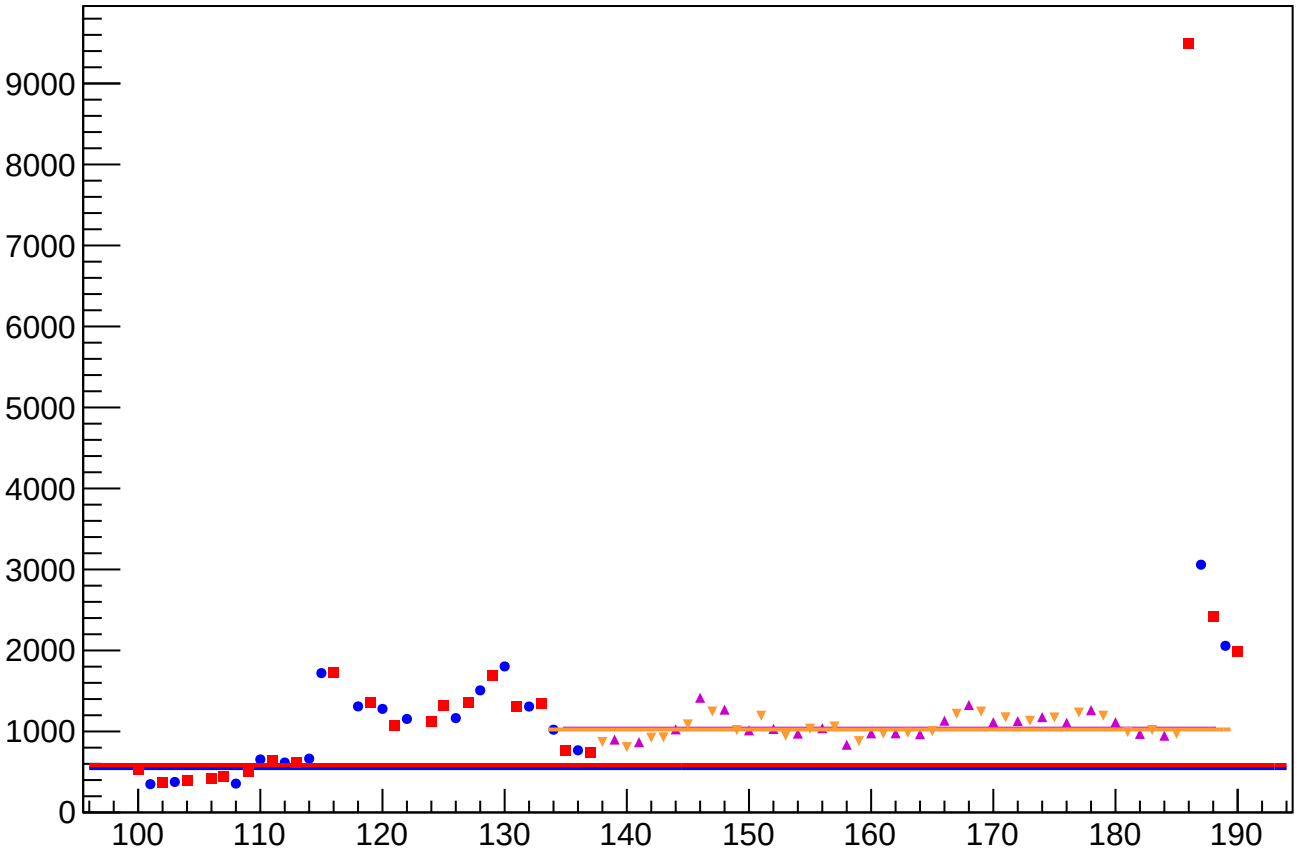
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 185.583+/-162.993 χ^2/NDF: 37.2/39

In: 163.950+/-167.343 χ^2/NDF:51.8/40

Out: 205.915+/-164.842 χ^2/NDF:53.3/46

All: 185.249+/-117.435 χ^2/NDF: 105.2/87



Right In: 547.839+/-0.163 χ^2/NDF: 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 586.001+/-0.163 χ^2/NDF: 5282453.2/21

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

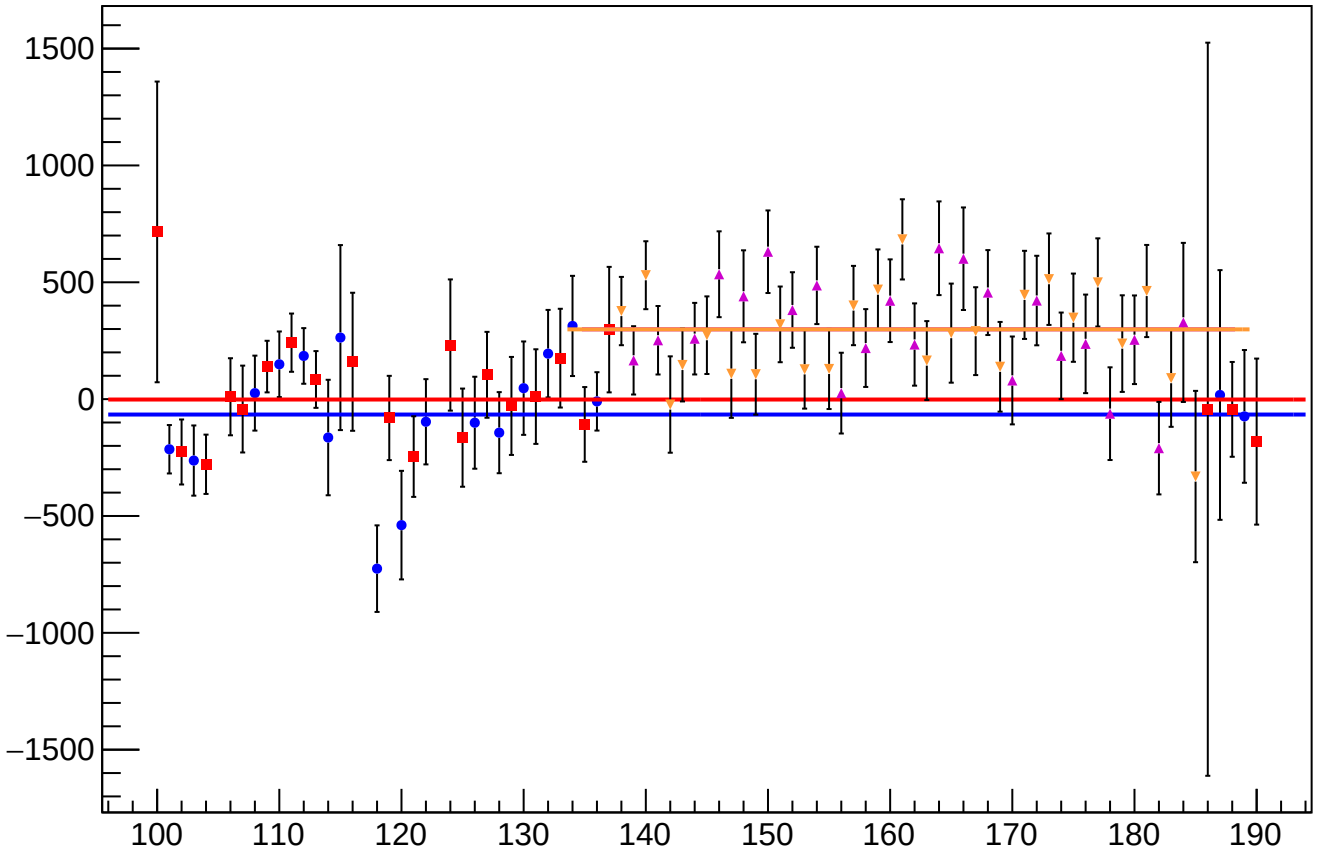
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 566.804+/-0.115 χ^2/NDF: 9740233.7/39

In: 776.420+/-0.118 χ^2/NDF:9270857.8/40

Out: 801.603+/-0.117 χ^2/NDF:9417095.8/46

All: 789.201+/-0.083 χ^2/NDF: 18710941.2/87



Right In: -65.929+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -1.677+/-38.008 χ^2/NDF: 21.4/21

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

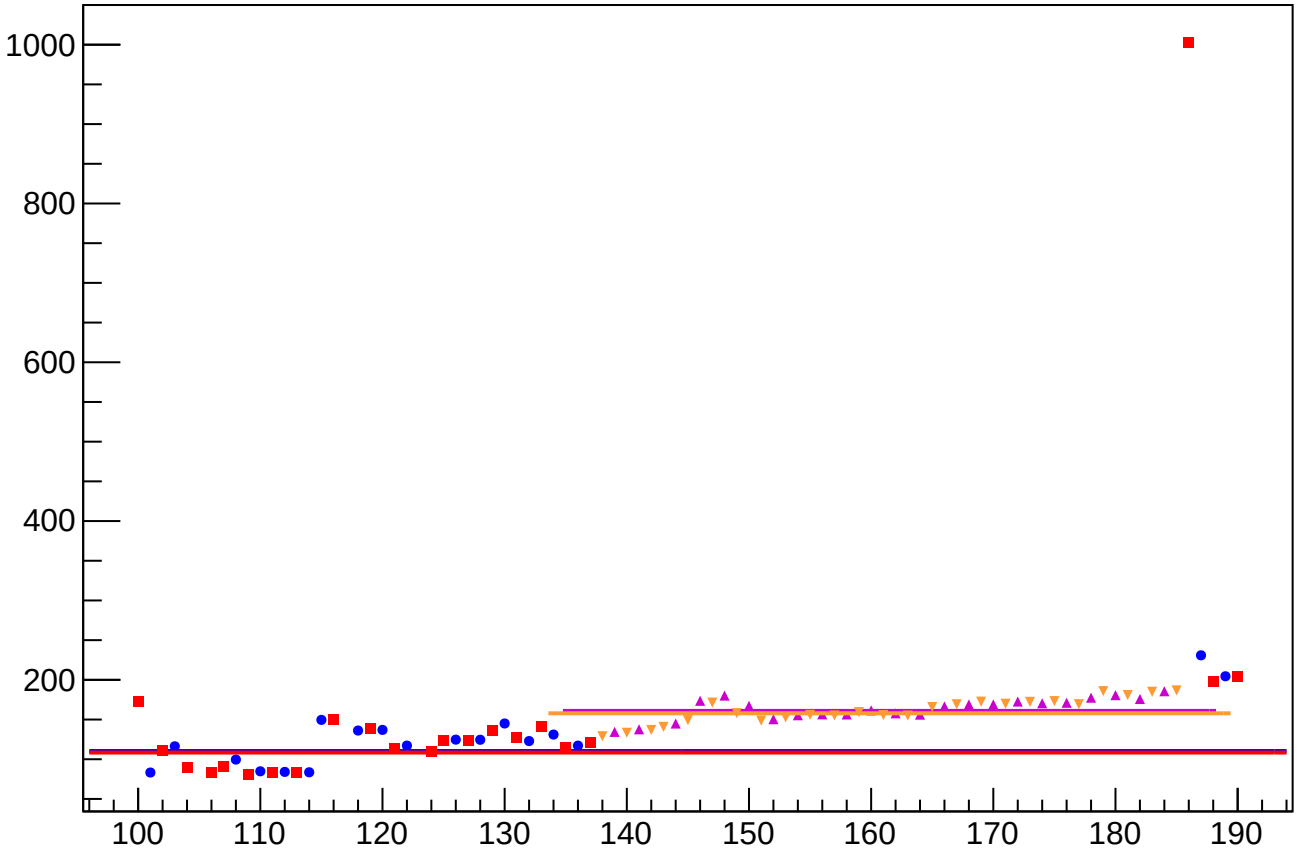
Right: -31.843+/-27.683 χ^2/NDF: 57.2/39

In: 128.848+/-27.574 χ^2/NDF:107.4/40

Out: 156.349+/-26.156 χ^2/NDF:80.3/46

All: 143.324+/-18.977 χ^2/NDF: 188.1/87

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 110.309+/-0.029 χ^2/NDF: 863246.9/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 108.445+/-0.027 χ^2/NDF: 1844649.2/21

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

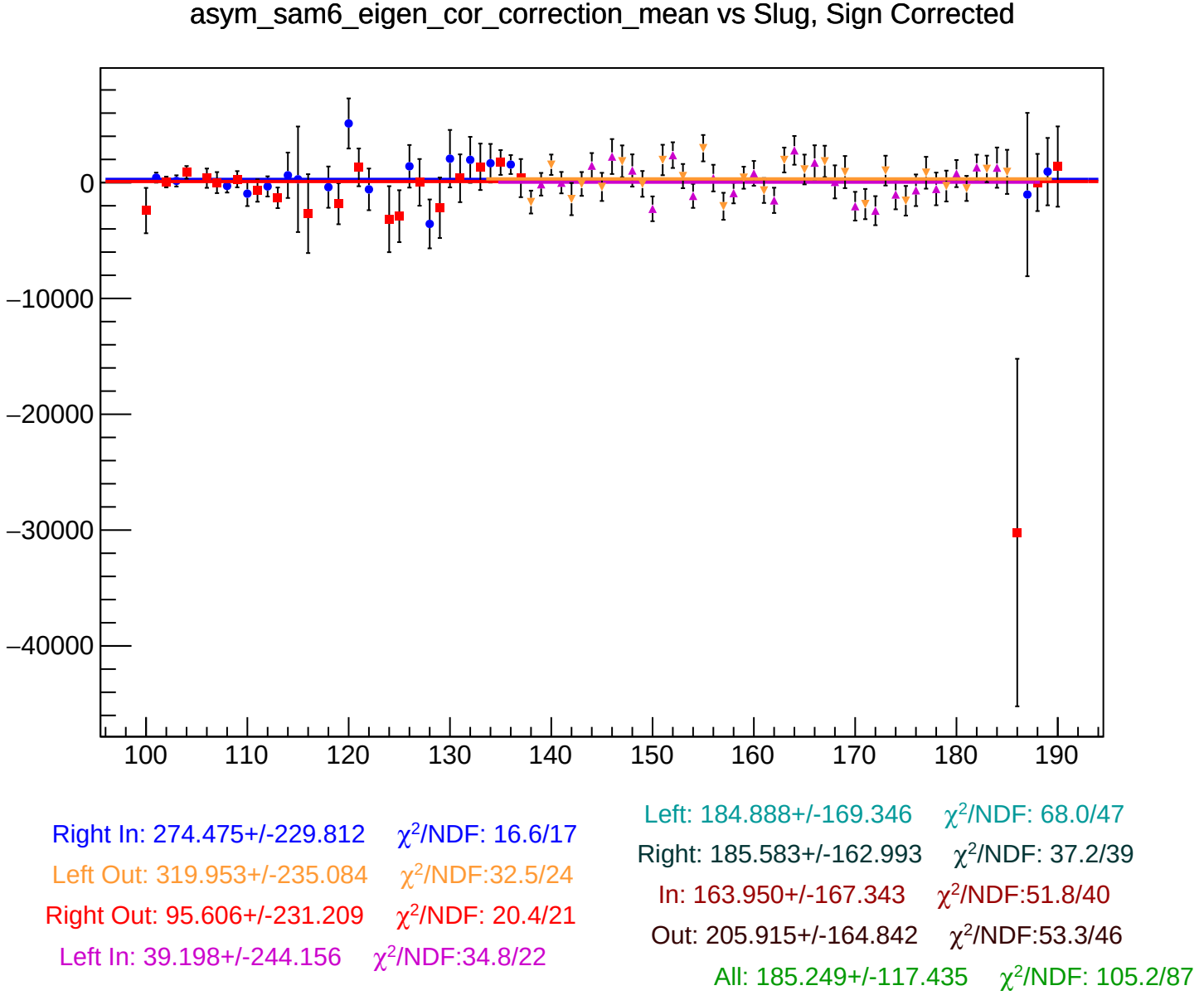
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

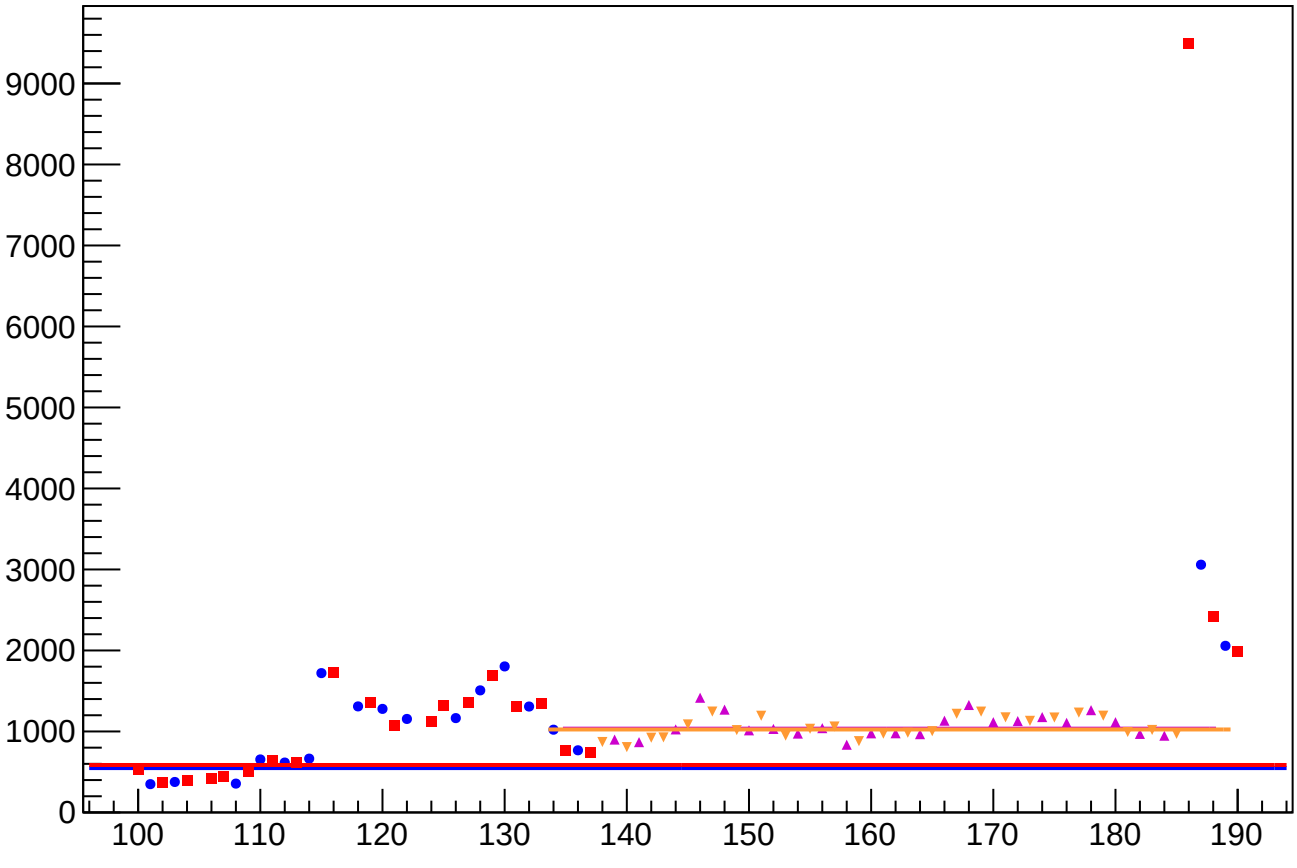
Right: 109.320+/-0.020 χ^2/NDF: 2710155.7/39

In: 137.321+/-0.019 χ^2/NDF:2805060.5/40

Out: 134.445+/-0.018 χ^2/NDF:3999750.7/46

All: 135.807+/-0.013 χ^2/NDF: 6816266.5/87


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 274.475+/-229.812 χ²/NDF: 16.6/17
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: 95.606+/-231.209 χ²/NDF: 20.4/21
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 185.583+/-162.993 χ²/NDF: 37.2/39
In: 163.950+/-167.343 χ²/NDF:51.8/40
Out: 205.915+/-164.842 χ²/NDF:53.3/46
All: 185.249+/-117.435 χ²/NDF: 105.2/87



Right In: 547.839+/-0.163 χ^2/NDF: 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 586.001+/-0.163 χ^2/NDF: 5282453.2/21

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

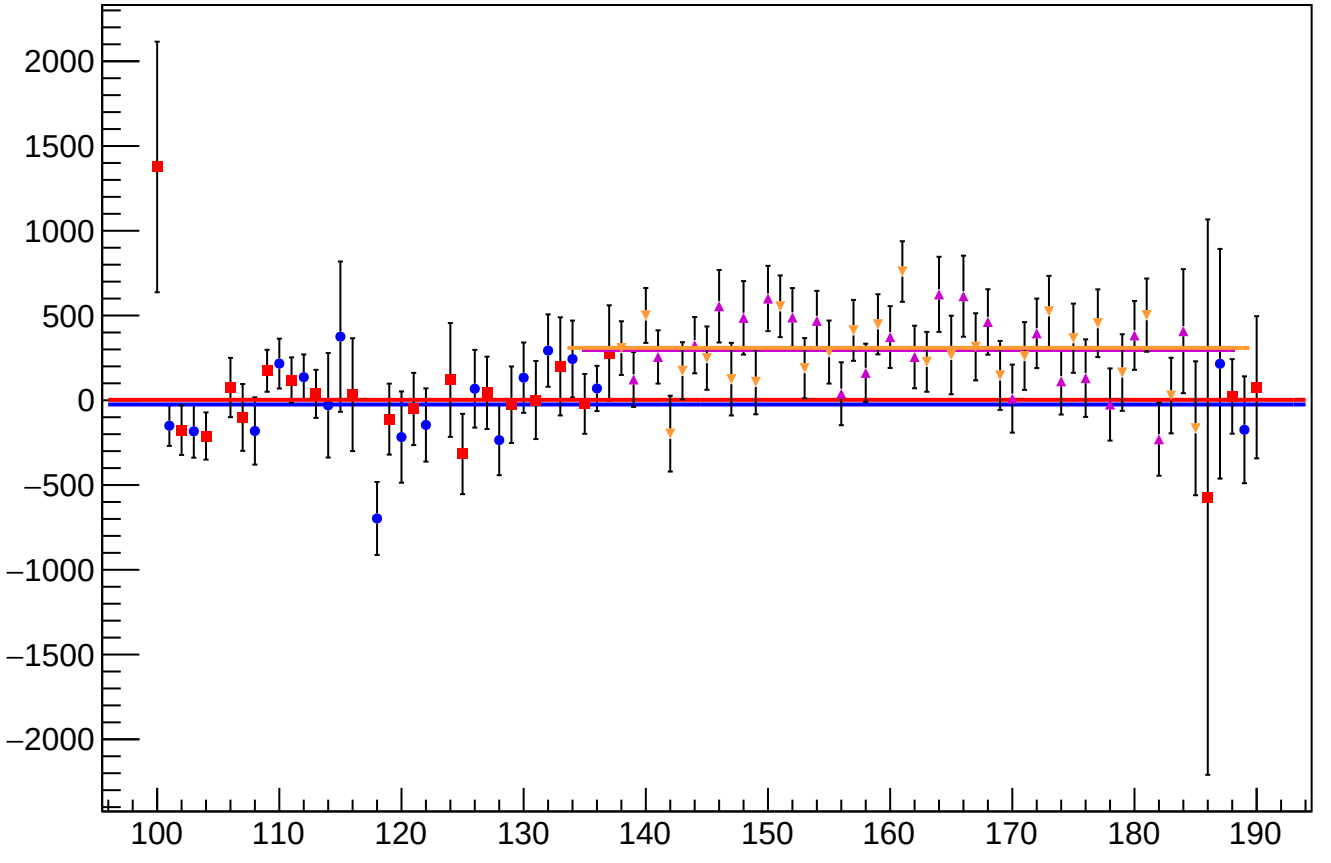
Right: 566.804+/-0.115 χ^2/NDF: 9740233.7/39

In: 776.420+/-0.118 χ^2/NDF:9270857.8/40

Out: 801.603+/-0.117 χ^2/NDF:9417095.8/46

All: 789.201+/-0.083 χ^2/NDF: 18710941.2/87

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -24.740+/-45.327 χ^2/NDF: 24.5/17

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 2.778+/-42.498 χ^2/NDF: 14.5/21

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

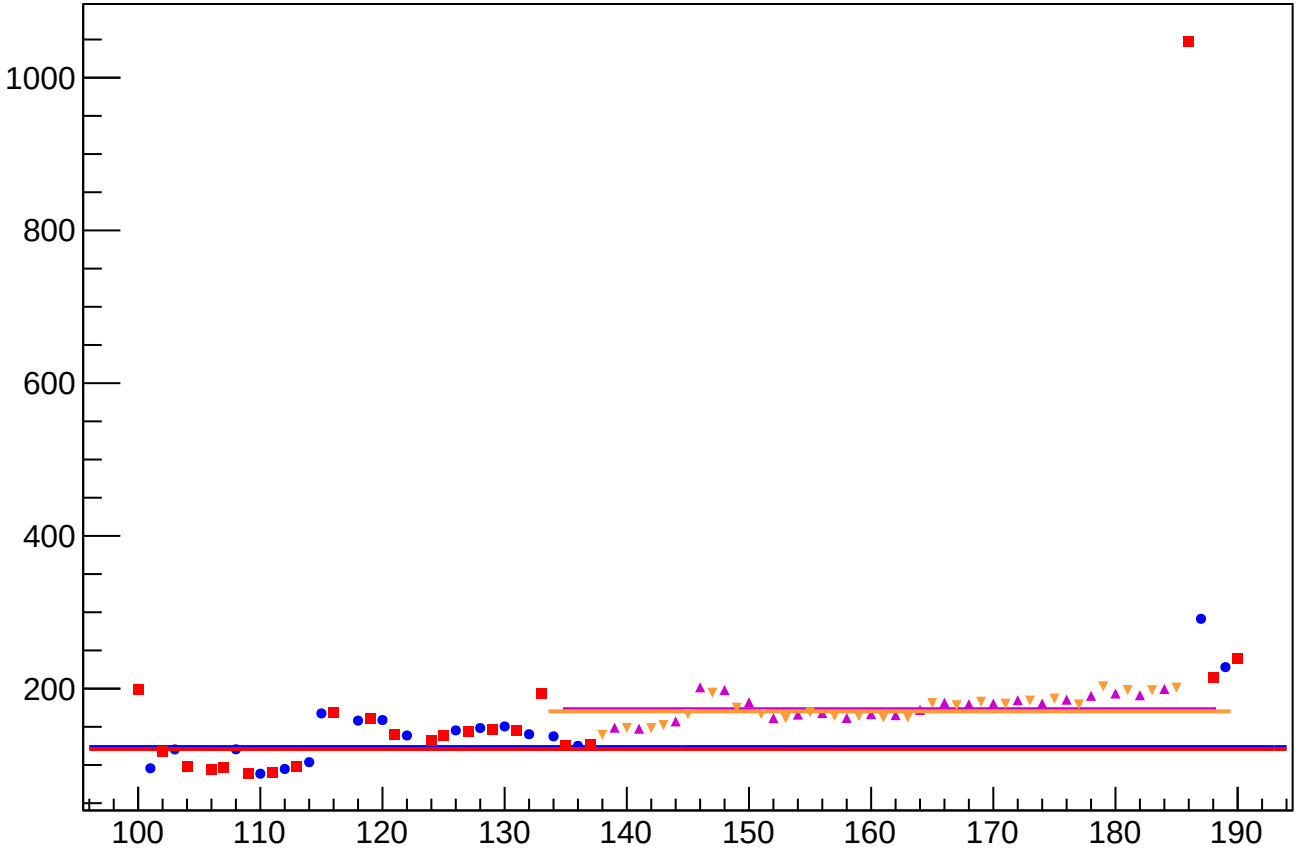
Right: -10.096+/-31.003 χ^2/NDF: 39.2/39

In: 153.472+/-30.245 χ^2/NDF:80.2/40

Out: 169.413+/-28.695 χ^2/NDF:68.3/46

All: 161.861+/-20.817 χ^2/NDF: 148.6/87

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.450+/-0.032 χ^2/NDF: 882385.0/17

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 120.971+/-0.030 χ^2/NDF: 1963296.5/21

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

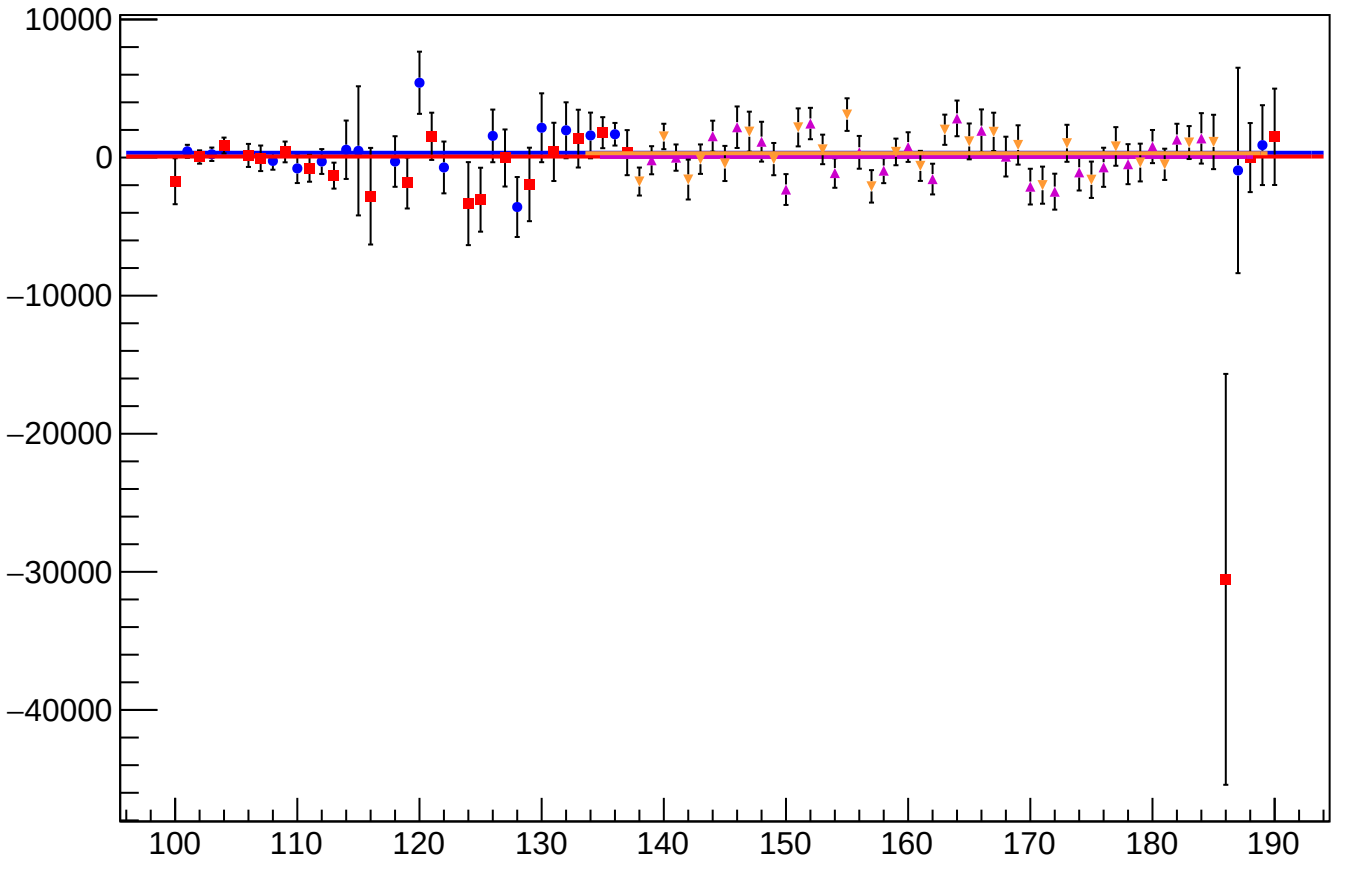
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 122.131+/-0.022 χ^2/NDF: 2848865.0/39

In: 150.952+/-0.021 χ^2/NDF:2503249.1/40

Out: 147.779+/-0.020 χ^2/NDF:3792221.8/46

All: 149.282+/-0.015 χ^2/NDF: 6307056.3/87



Right In: 346.946+/-240.568 χ^2/NDF: 16.3/17

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 73.536+/-238.783 χ^2/NDF: 19.7/21

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

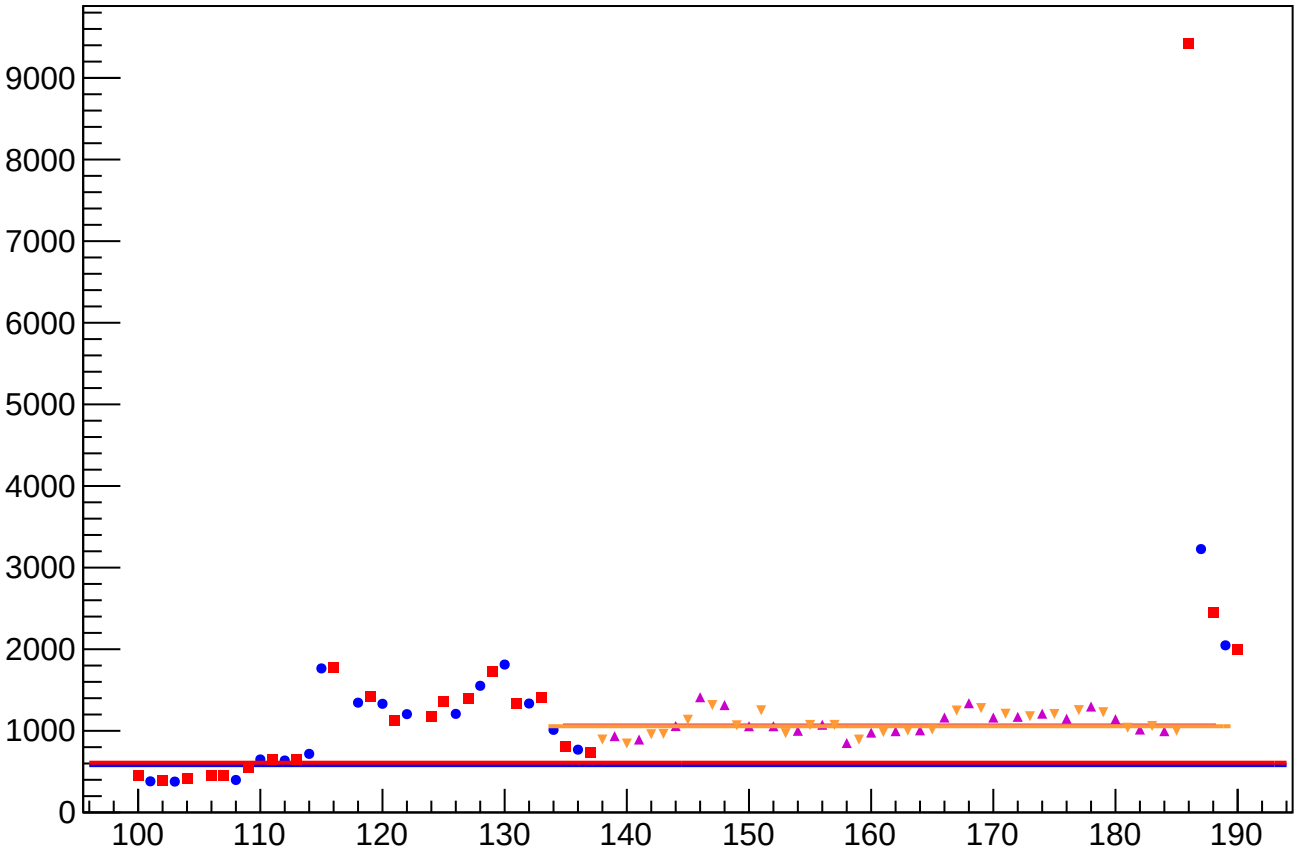
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 209.223+/-169.472 χ^2/NDF: 36.6/39

In: 203.596+/-173.761 χ^2/NDF:51.5/40

Out: 191.782+/-170.110 χ^2/NDF:53.1/46

All: 197.564+/-121.556 χ^2/NDF: 104.5/87



Right In: 579.637+/-0.170 χ^2/NDF: 4207089.2/17

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 609.690+/-0.169 χ^2/NDF: 5228462.0/21

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

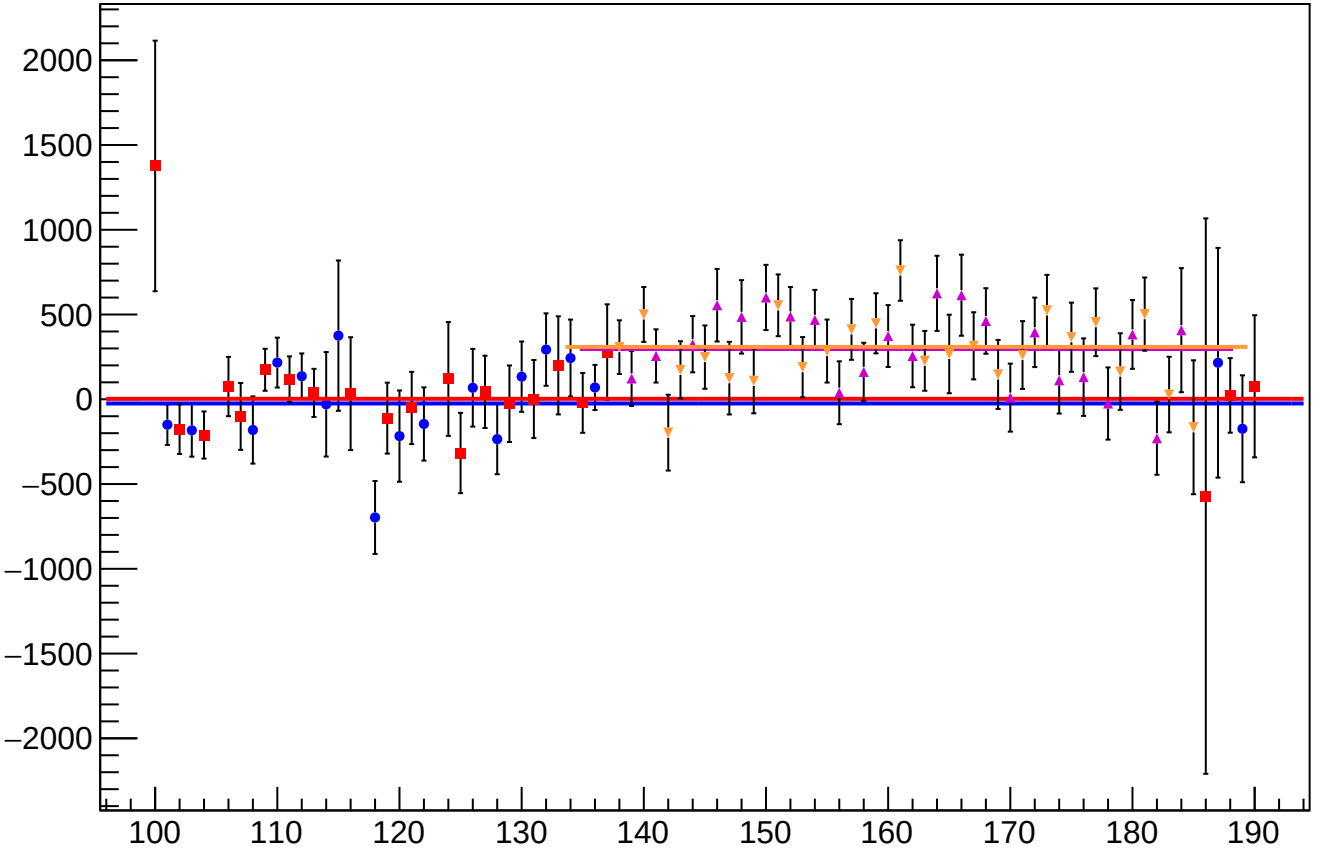
Right: 594.775+/-0.120 χ^2/NDF: 9451274.7/39

In: 811.632+/-0.123 χ^2/NDF:8707030.3/40

Out: 829.650+/-0.120 χ^2/NDF:9285230.0/46

All: 820.832+/-0.086 χ^2/NDF: 18003241.0/87

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -24.742+/-45.327 χ^2/NDF: 24.5/17

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 2.779+/-42.498 χ^2/NDF: 14.5/21

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

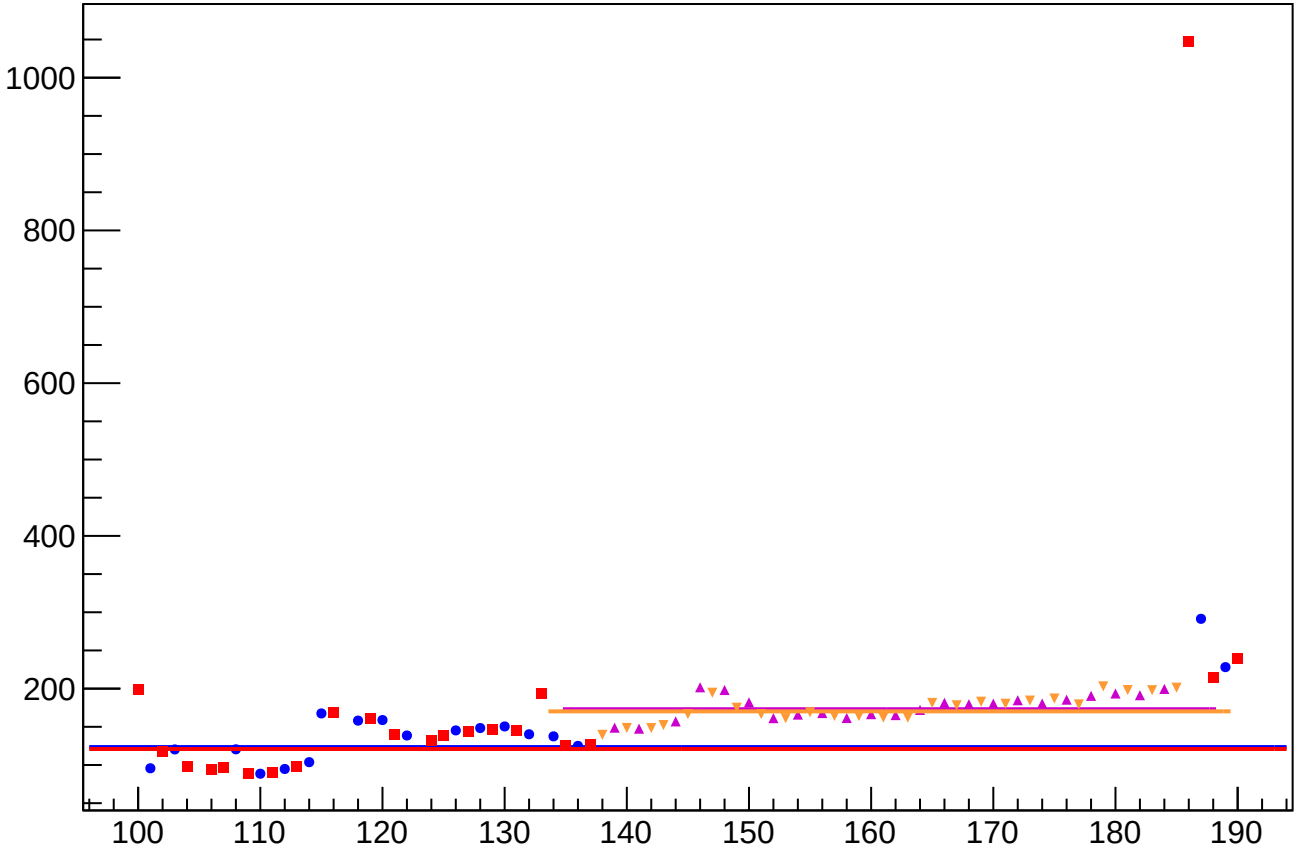
Right: -10.096+/-31.003 χ^2/NDF: 39.2/39

In: 153.471+/-30.245 χ^2/NDF:80.2/40

Out: 169.414+/-28.694 χ^2/NDF:68.3/46

All: 161.861+/-20.817 χ^2/NDF: 148.6/87

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.450+/-0.032 χ^2/NDF: 882388.6/17

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 120.971+/-0.030 χ^2/NDF: 1963292.1/21

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

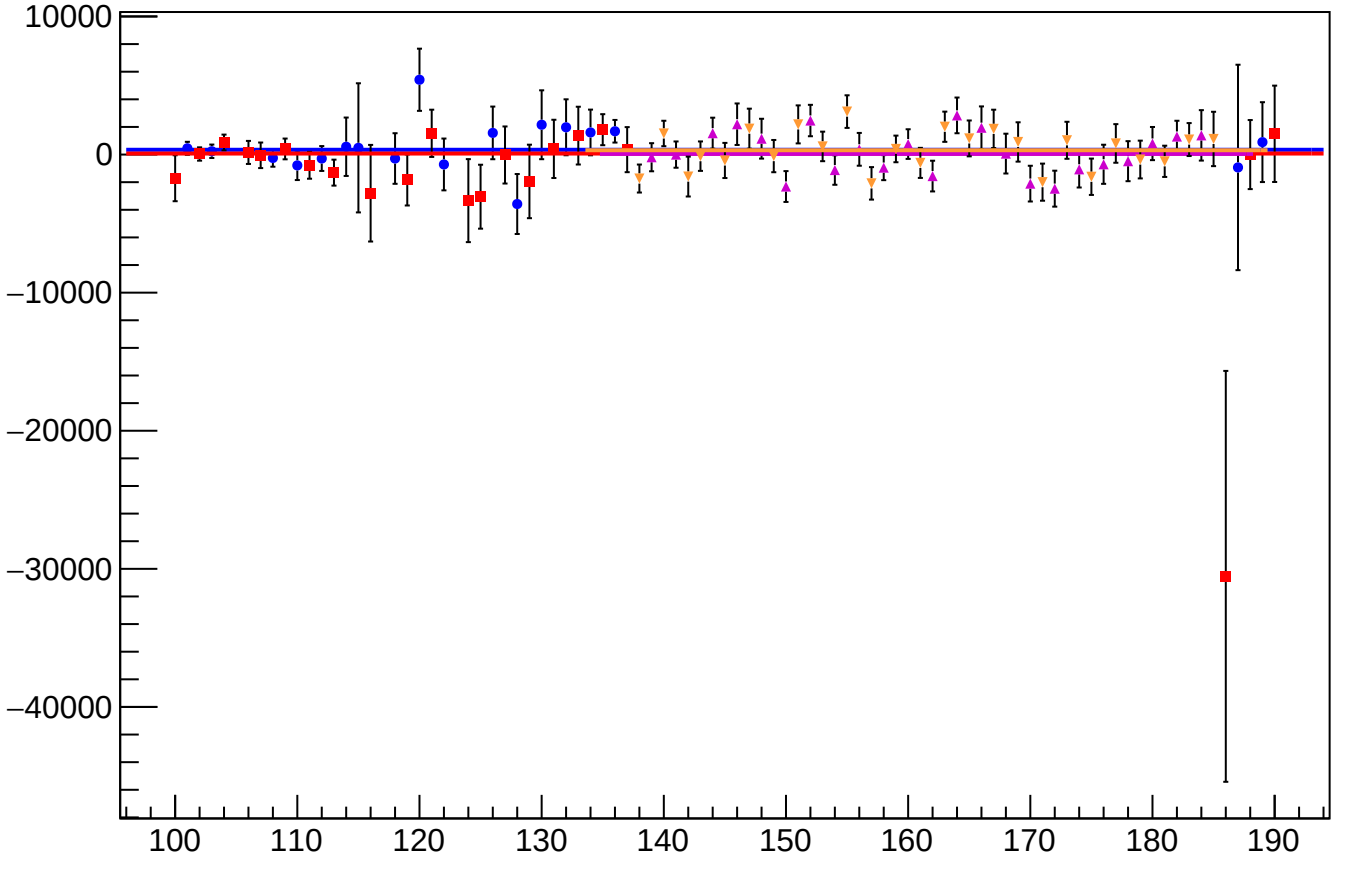
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 122.130+/-0.022 χ^2/NDF: 2848864.1/39

In: 150.952+/-0.021 χ^2/NDF:2503262.2/40

Out: 147.779+/-0.020 χ^2/NDF:3792223.3/46

All: 149.282+/-0.015 χ^2/NDF: 6307070.8/87



Right In: 346.945+/-240.567 χ^2/NDF: 16.3/17

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 73.538+/-238.782 χ^2/NDF: 19.7/21

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

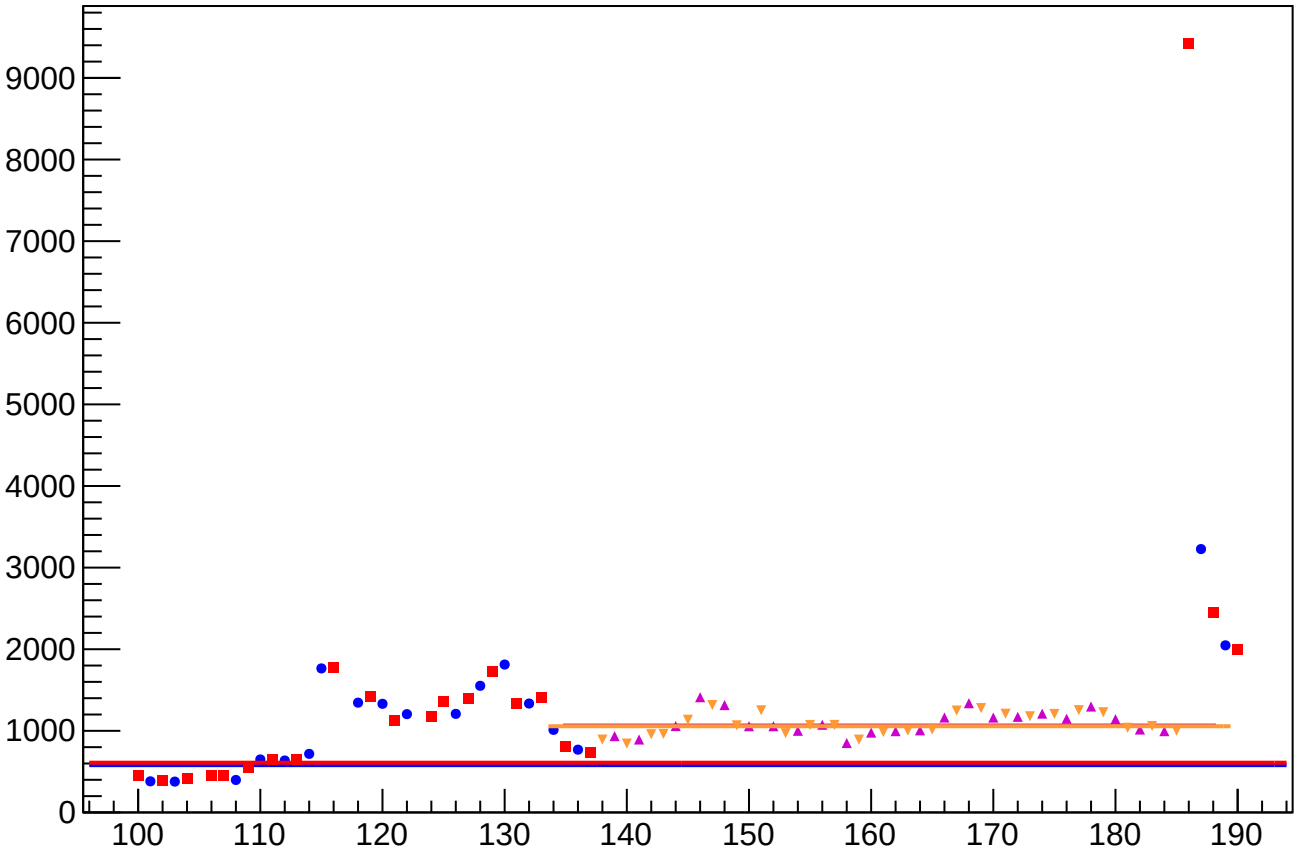
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 209.223+/-169.472 χ^2/NDF: 36.6/39

In: 203.596+/-173.761 χ^2/NDF:51.5/40

Out: 191.783+/-170.110 χ^2/NDF:53.1/46

All: 197.564+/-121.556 χ^2/NDF: 104.5/87



Right In: 579.636+/-0.170 χ^2/NDF: 4207093.7/17

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 609.690+/-0.169 χ^2/NDF: 5228462.2/21

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

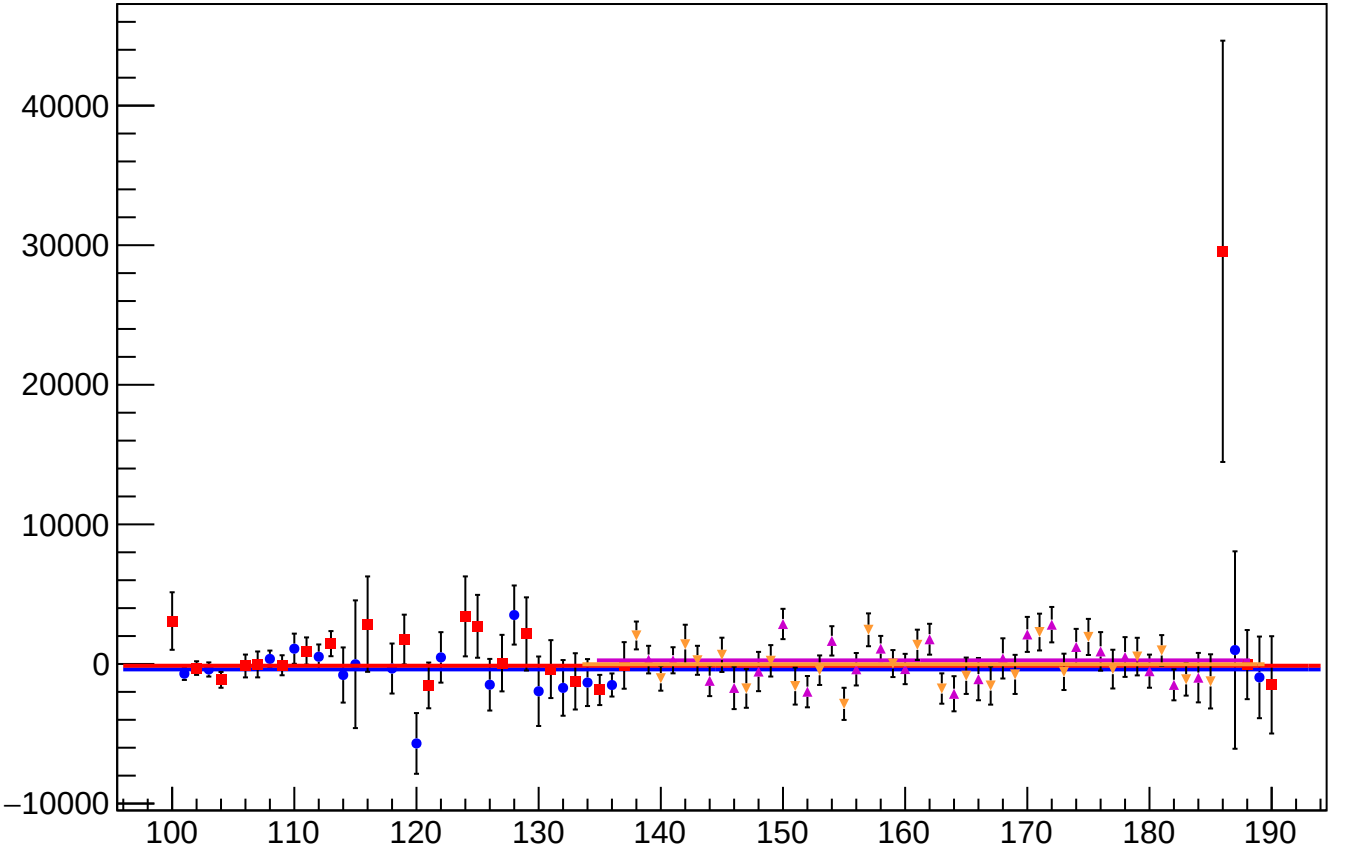
Right: 594.775+/-0.120 χ^2/NDF: 9451279.7/39

In: 811.631+/-0.123 χ^2/NDF:8707054.3/40

Out: 829.649+/-0.120 χ^2/NDF:9285248.3/46

All: 820.832+/-0.086 χ^2/NDF: 18003283.7/87

asym_sam6_mean vs Slug, Sign Corrected



Right In: -388.731+/-236.612 χ^2/NDF: 18.0/17

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -126.830+/-236.570 χ^2/NDF: 23.4/21

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

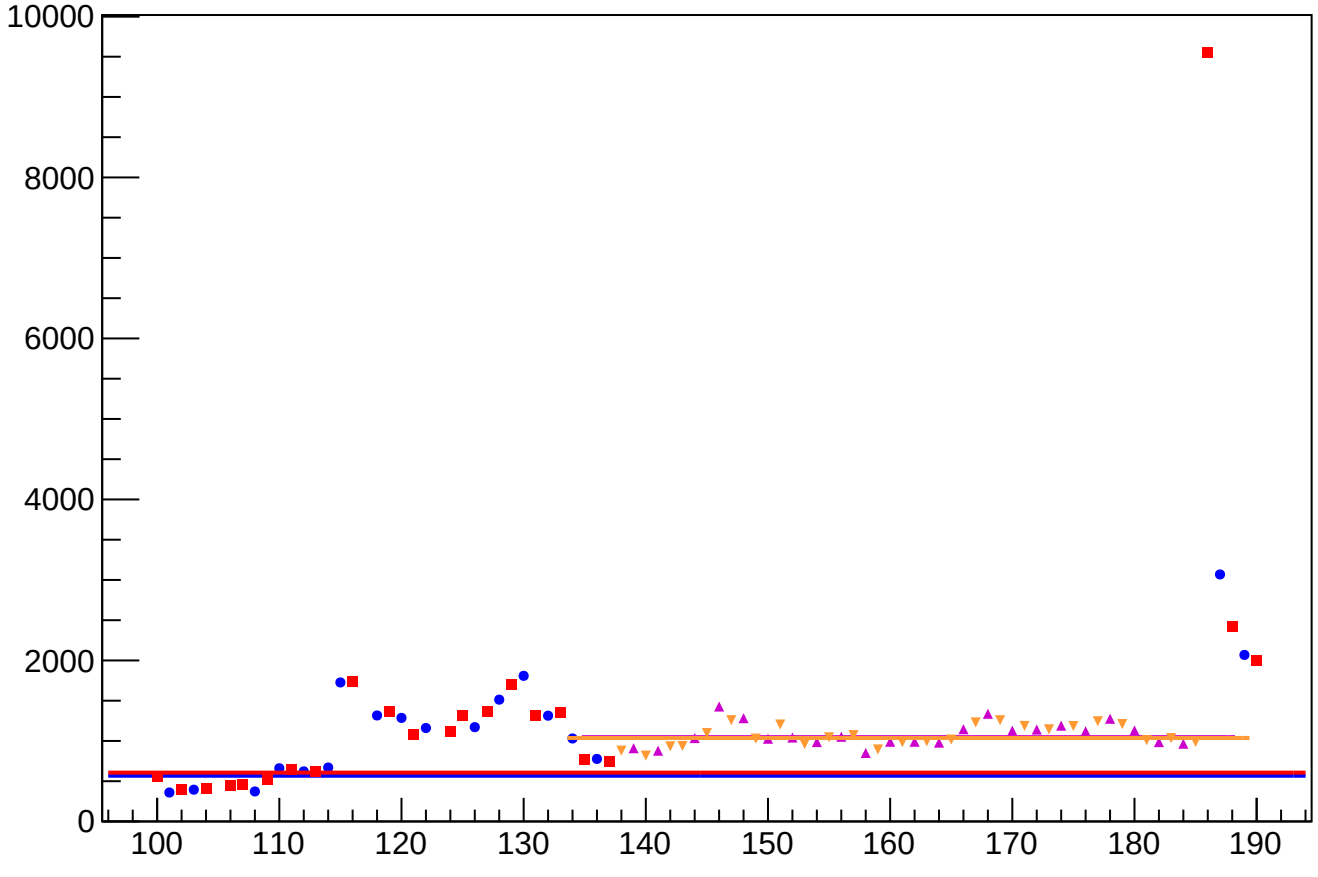
Right: -257.757+/-167.295 χ^2/NDF: 42.0/39

In: -80.758+/-170.932 χ^2/NDF:55.1/40

Out: -74.655+/-167.774 χ^2/NDF:58.0/46

All: -77.650+/-119.735 χ^2/NDF: 113.1/87

asym_sam6_rms vs Slug, Sign Corrected



Right In: 568.013+/-0.167 χ^2/NDF: 4264959.0/17

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 606.537+/-0.167 χ^2/NDF: 5103467.1/21

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

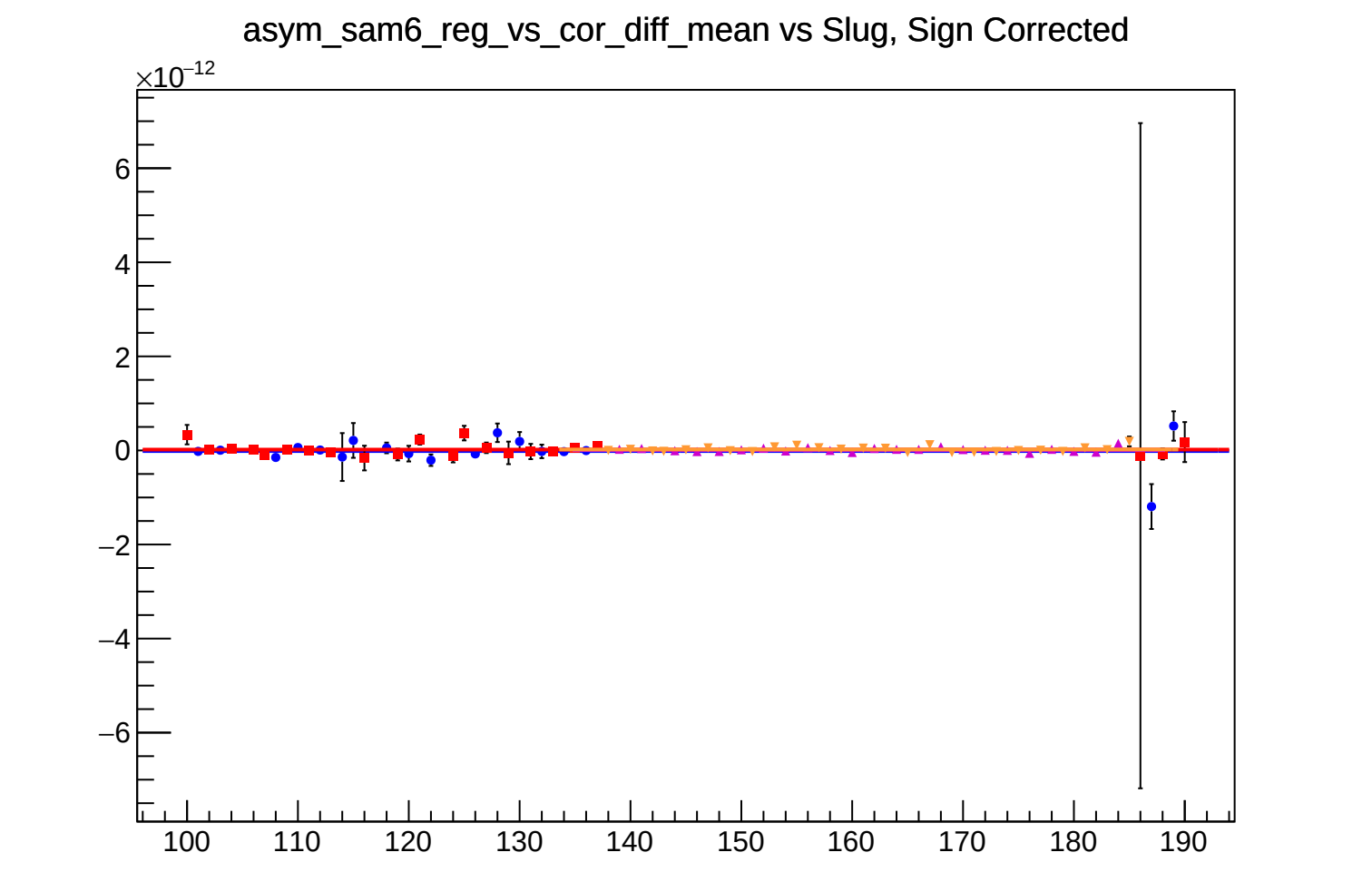
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 587.279+/-0.118 χ^2/NDF: 9394940.0/39

In: 797.328+/-0.121 χ^2/NDF:8807302.2/40

Out: 820.658+/-0.119 χ^2/NDF:8985317.3/46

All: 809.211+/-0.085 χ^2/NDF: 17811596.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

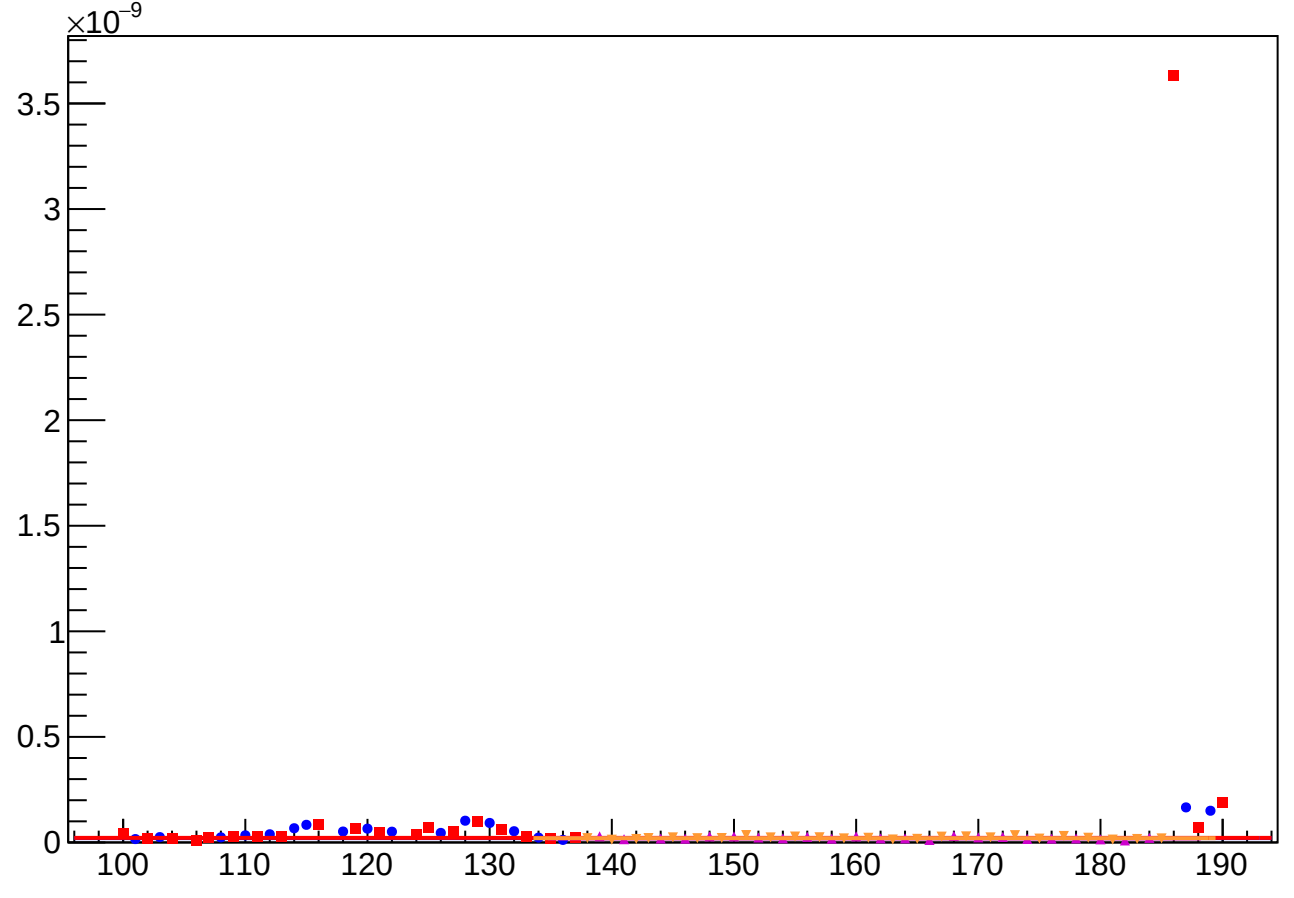
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 48.3/39

In: 0.000+/-0.000 χ^2/NDF:45.2/40

Out: 0.000+/-0.000 χ^2/NDF:50.6/46

All: 0.000+/-0.000 χ^2/NDF: 99.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 2535727.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3028411.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

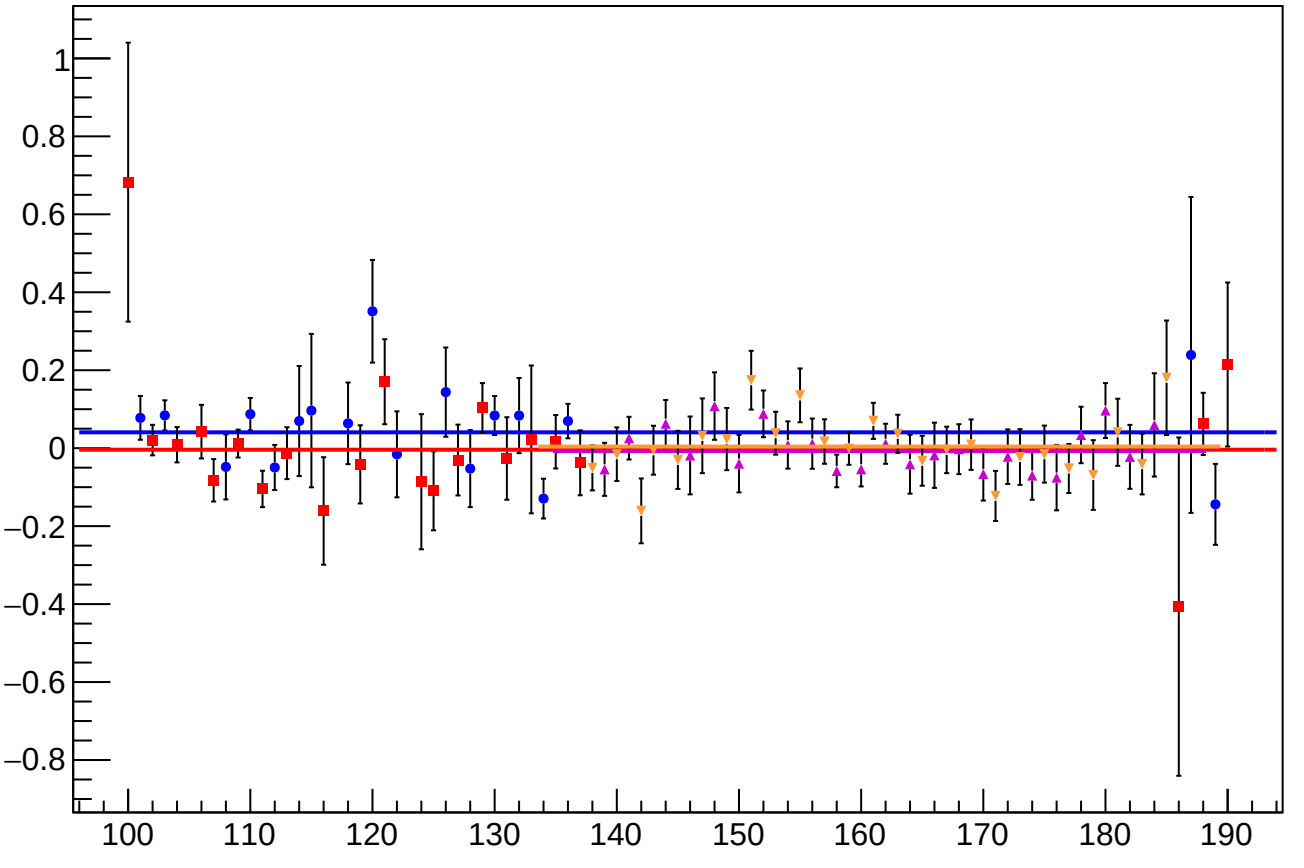
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5570529.4/39

In: 0.000+/-0.000 χ^2/NDF:3601207.0/40

Out: 0.000+/-0.000 χ^2/NDF:4039463.3/46

All: 0.000+/-0.000 χ^2/NDF: 7661169.4/87



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.004+/-0.015 χ^2/NDF: 22.8/21

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

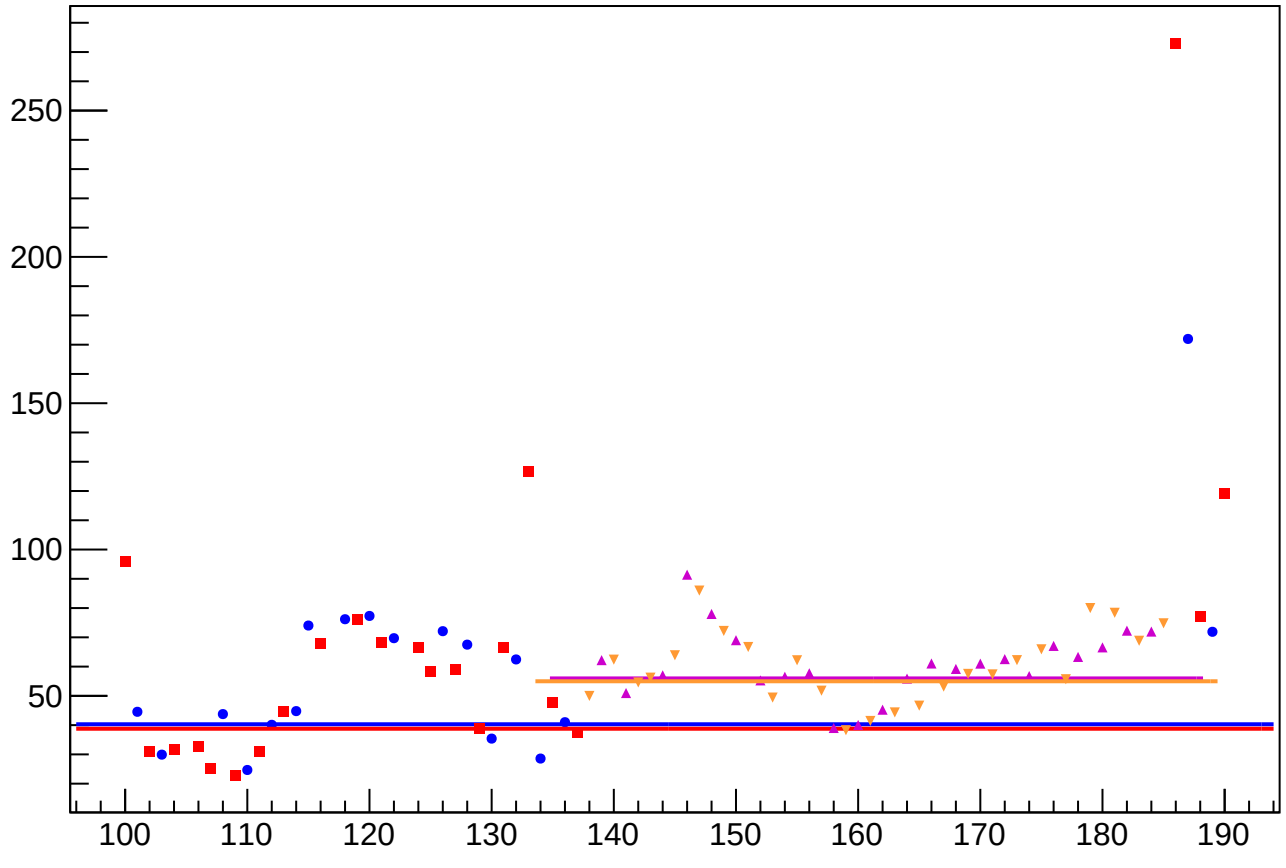
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 57.1/39

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.001+/-0.010 χ^2/NDF:47.8/46

All: 0.006+/-0.007 χ^2/NDF: 99.0/87



Right In: 40.293+/-0.011 χ^2/NDF: 1970180.0/17

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.768+/-0.010 χ^2/NDF: 3466880.1/21

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

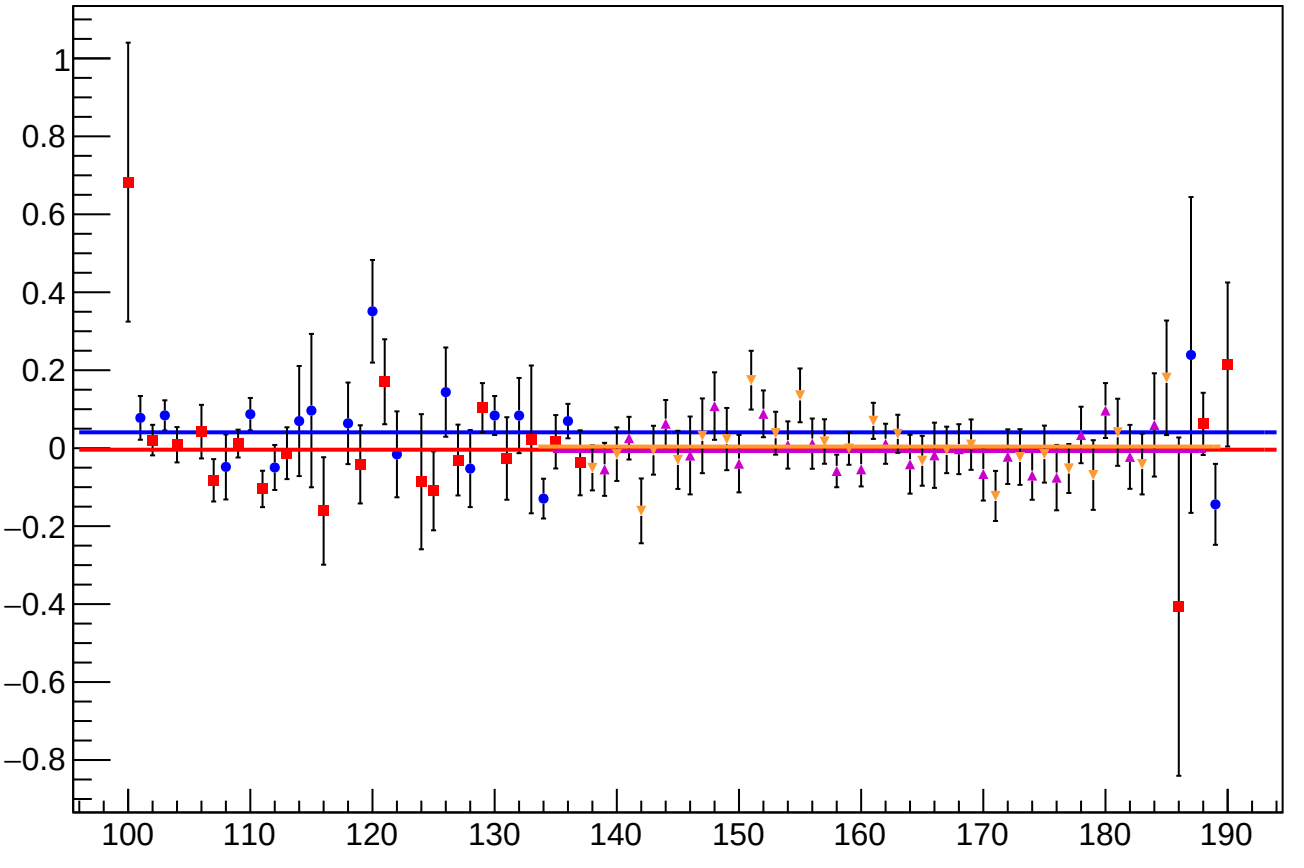
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 39.480+/-0.008 χ^2/NDF: 5446962.9/39

In: 49.347+/-0.007 χ^2/NDF:4509283.9/40

Out: 47.952+/-0.007 χ^2/NDF:6393357.2/46

All: 48.612+/-0.005 χ^2/NDF: 10922038.8/87



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.004+/-0.015 χ^2/NDF: 22.8/21

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

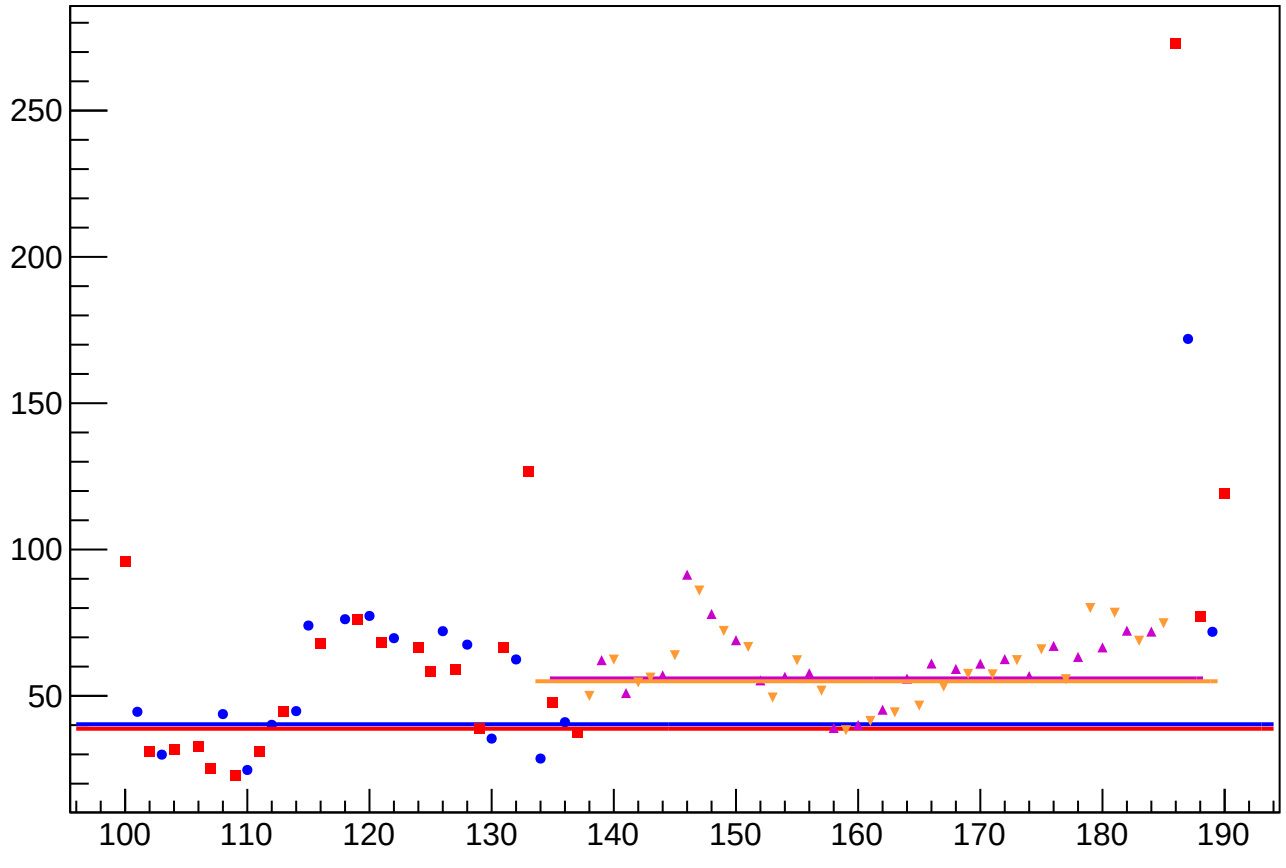
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 57.1/39

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.001+/-0.010 χ^2/NDF:47.8/46

All: 0.006+/-0.007 χ^2/NDF: 99.0/87



Right In: 40.293+/-0.011 χ^2/NDF: 1970180.0/17

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.768+/-0.010 χ^2/NDF: 3466880.1/21

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

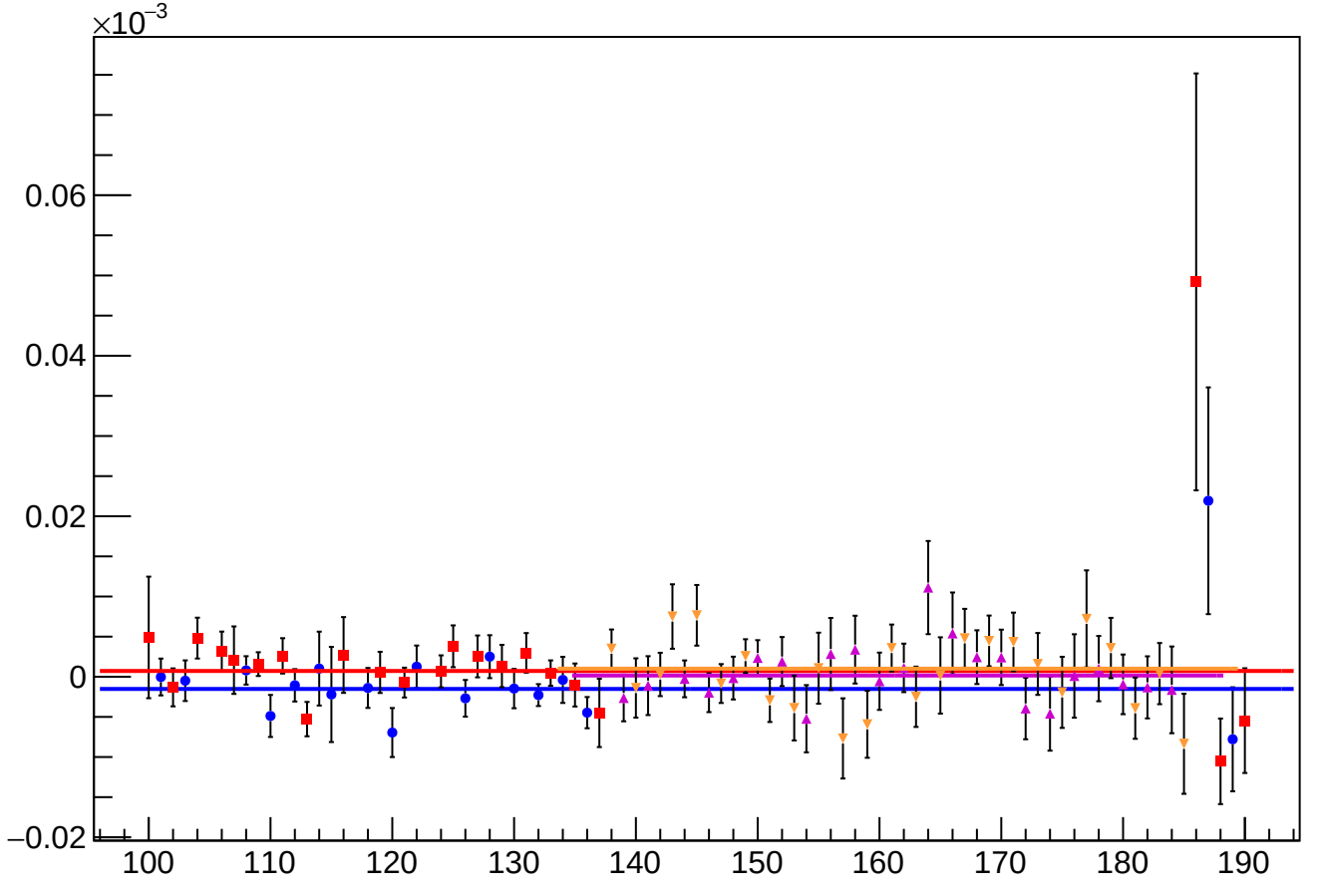
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 39.480+/-0.008 χ^2/NDF: 5446962.9/39

In: 49.347+/-0.007 χ^2/NDF:4509283.9/40

Out: 47.952+/-0.007 χ^2/NDF:6393357.2/46

All: 48.612+/-0.005 χ^2/NDF: 10922038.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/21

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

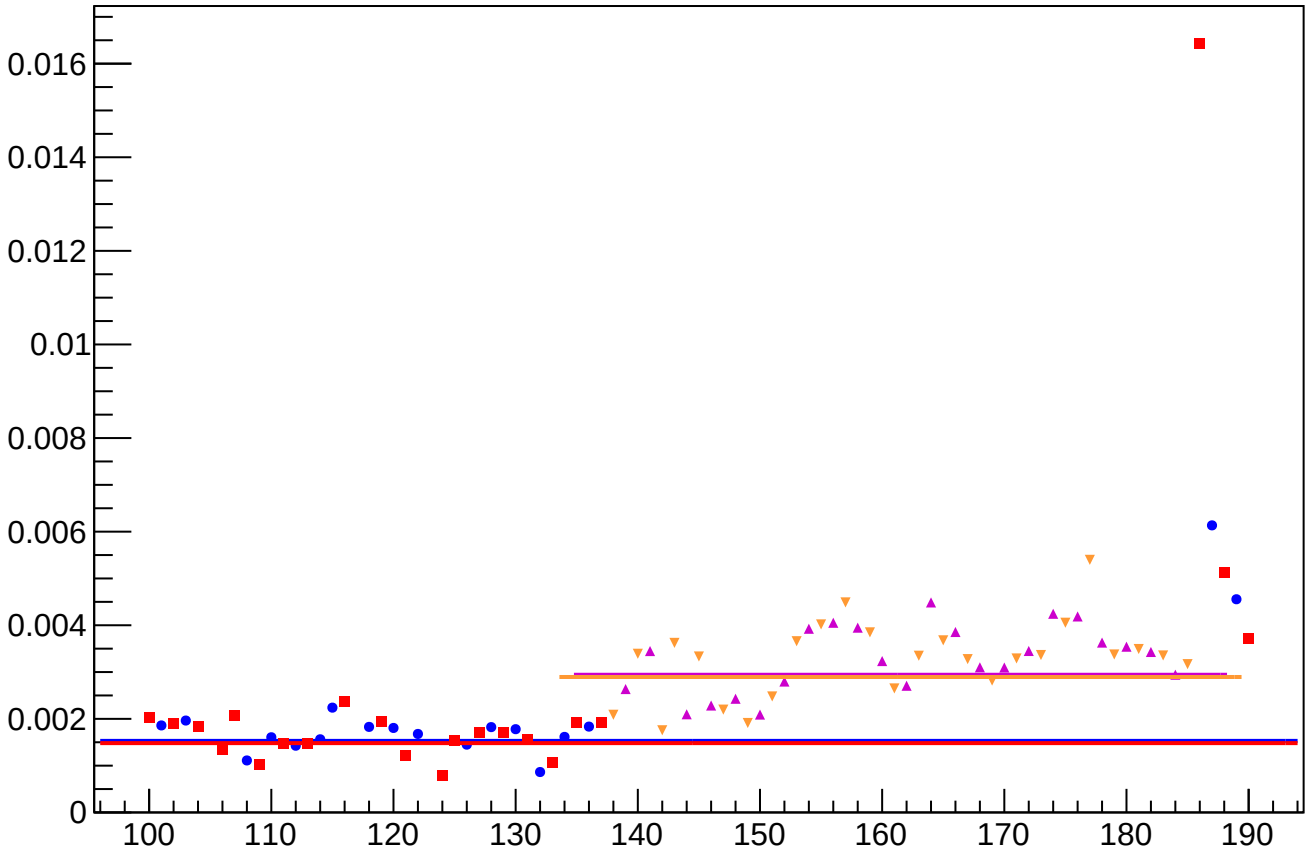
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 53.6/39

In: -0.000+/-0.000 χ^2/NDF:34.9/40

Out: 0.000+/-0.000 χ^2/NDF:56.7/46

All: 0.000+/-0.000 χ^2/NDF: 99.1/87



Right In: 0.002+/-0.000 χ^2/NDF: 1522427.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2859585.5/21

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

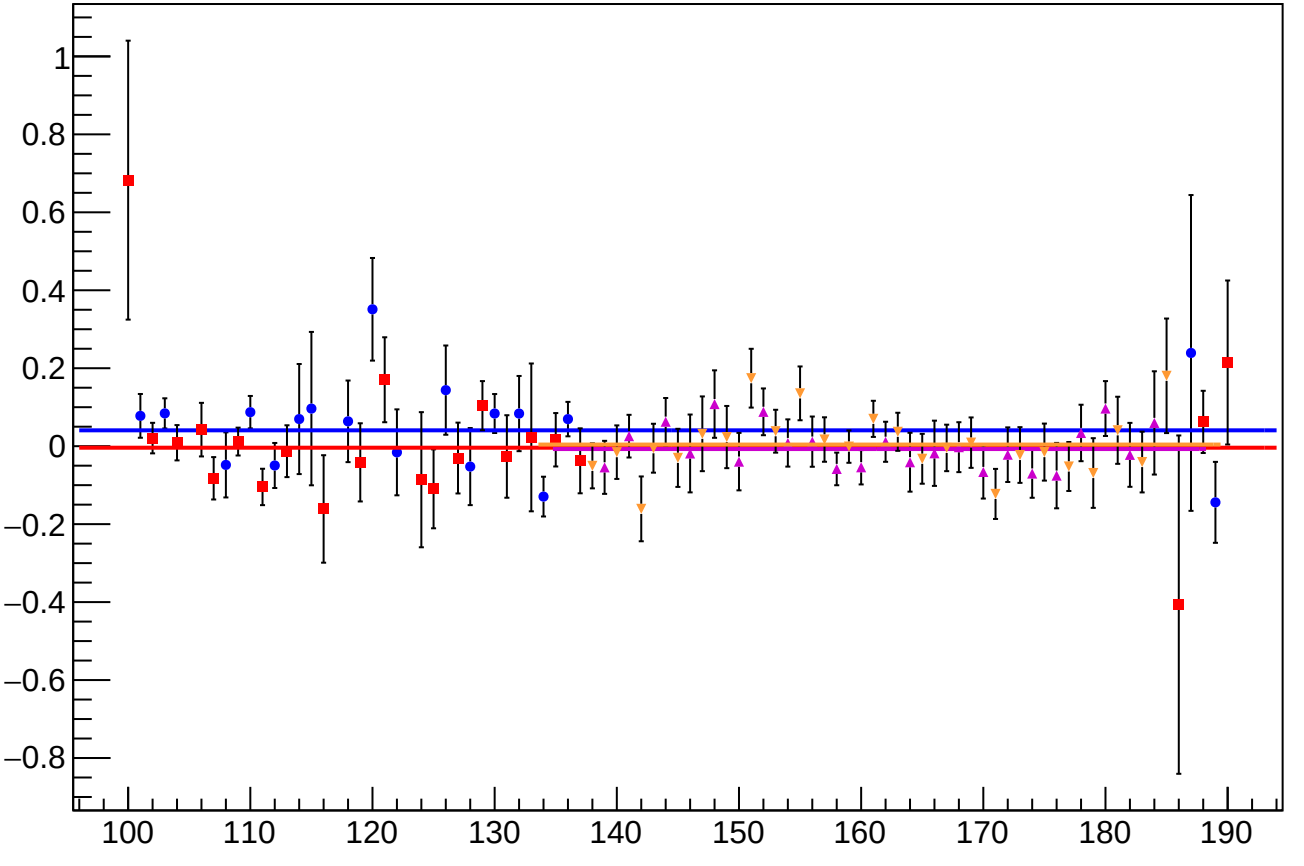
Right: 0.002+/-0.000 χ^2/NDF: 4389346.0/39

In: 0.002+/-0.000 χ^2/NDF:8175294.8/40

Out: 0.002+/-0.000 χ^2/NDF:10750711.3/46

All: 0.002+/-0.000 χ^2/NDF: 18953565.3/87

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.004+/-0.015 χ^2/NDF: 22.8/21

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

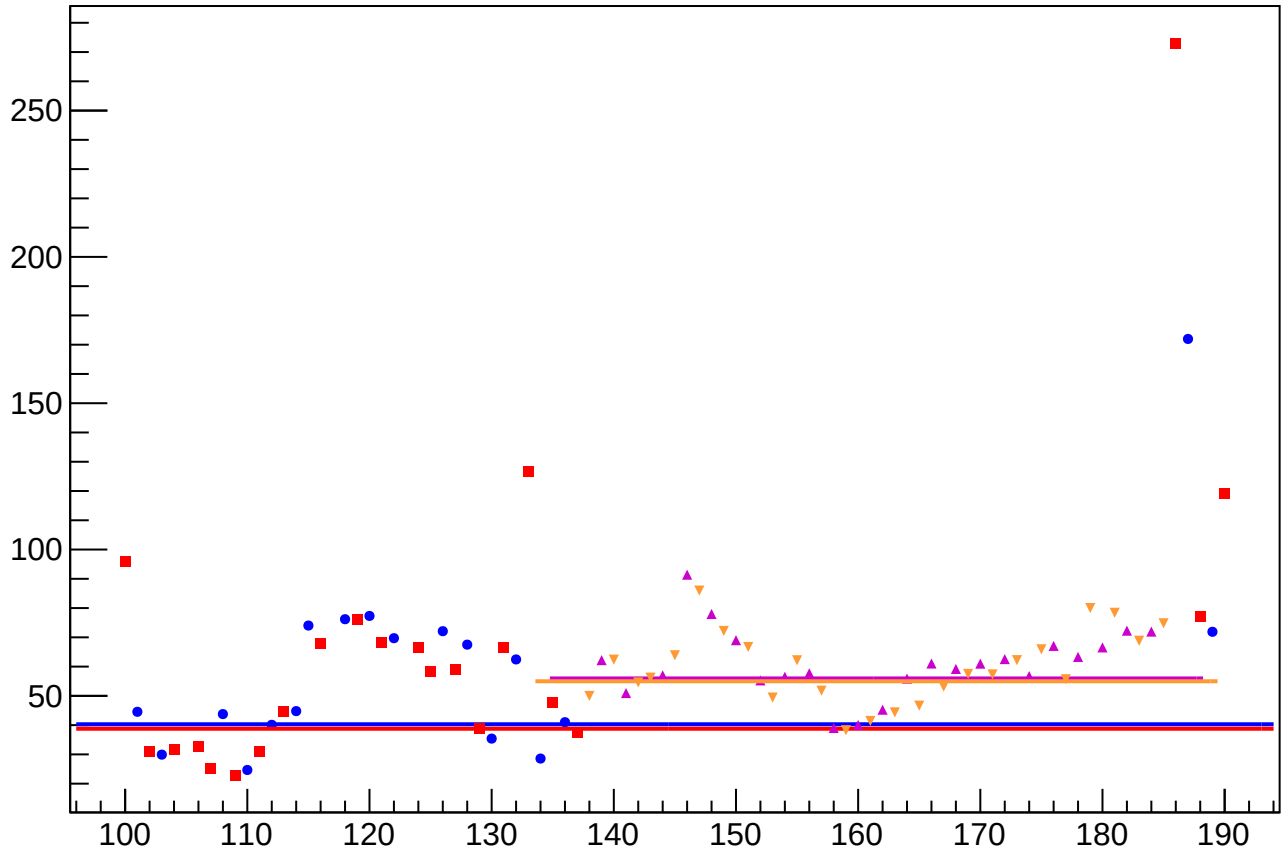
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 57.1/39

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.001+/-0.010 χ^2/NDF:47.8/46

All: 0.006+/-0.007 χ^2/NDF: 99.0/87



Right In: 40.292+/-0.011 χ^2/NDF: 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.768+/-0.010 χ^2/NDF: 3466838.4/21

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

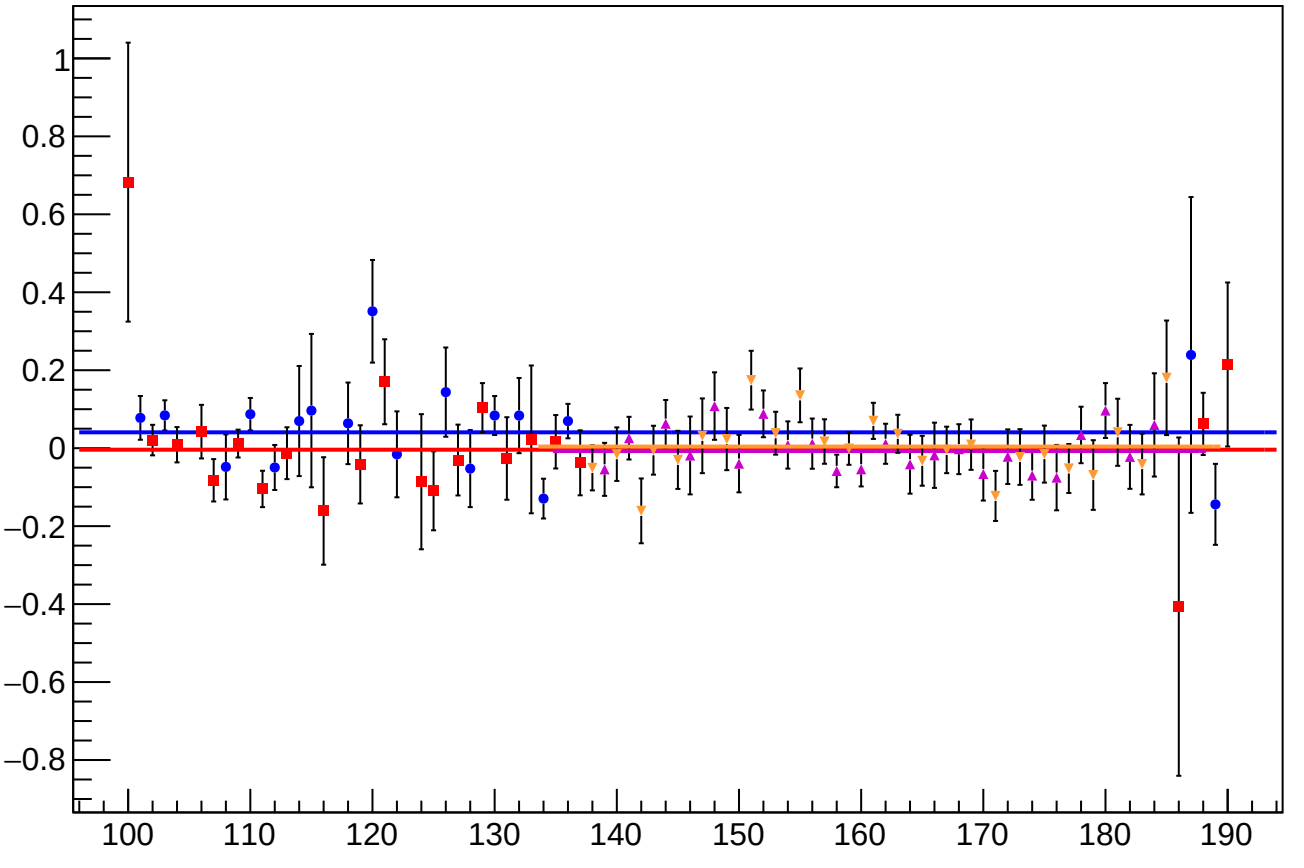
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 39.479+/-0.008 χ^2/NDF: 5446942.4/39

In: 49.346+/-0.007 χ^2/NDF:4509418.1/40

Out: 47.951+/-0.007 χ^2/NDF:6393348.3/46

All: 48.612+/-0.005 χ^2/NDF: 10922158.1/87



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.004+/-0.015 χ^2/NDF: 22.8/21

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

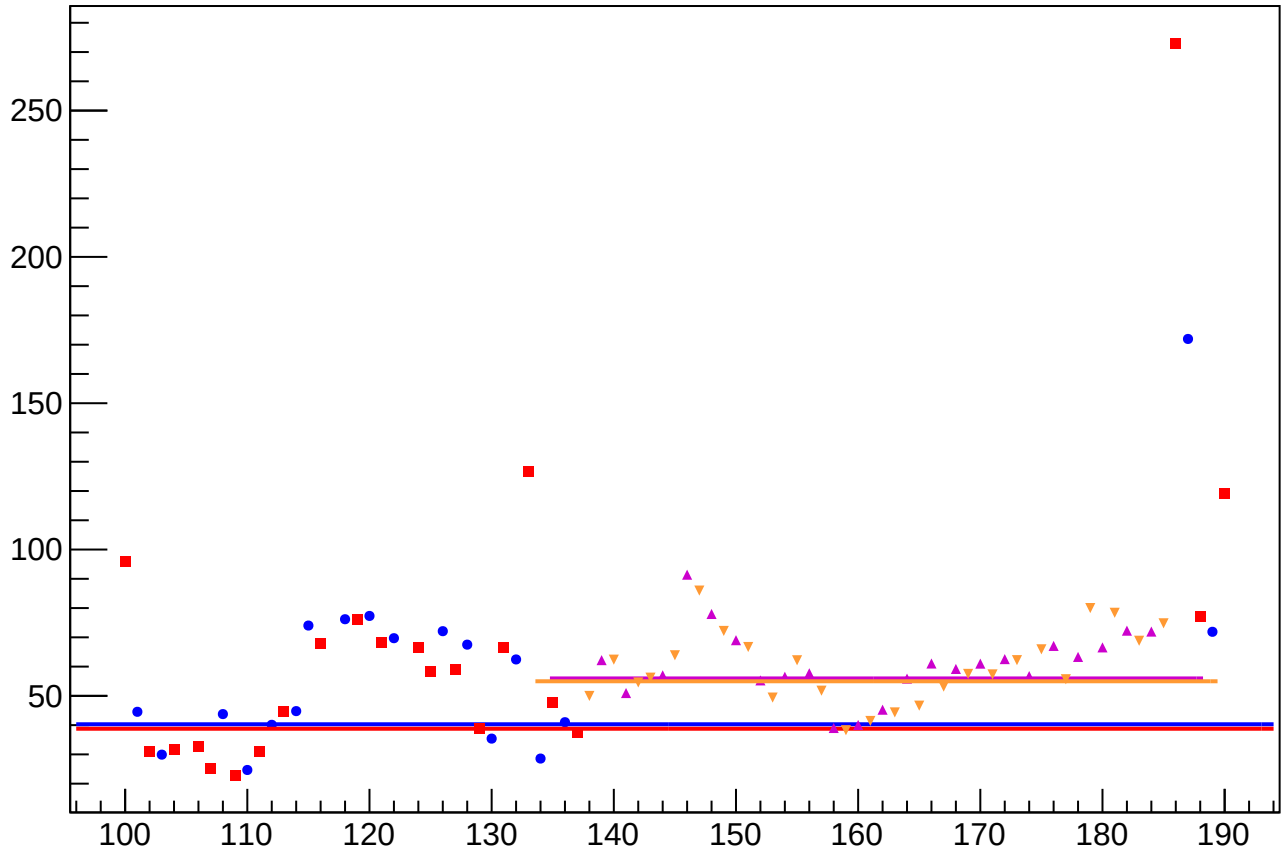
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 57.1/39

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.001+/-0.010 χ^2/NDF:47.8/46

All: 0.006+/-0.007 χ^2/NDF: 99.0/87



Right In: 40.292+/-0.011 χ^2/NDF: 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.768+/-0.010 χ^2/NDF: 3466838.4/21

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

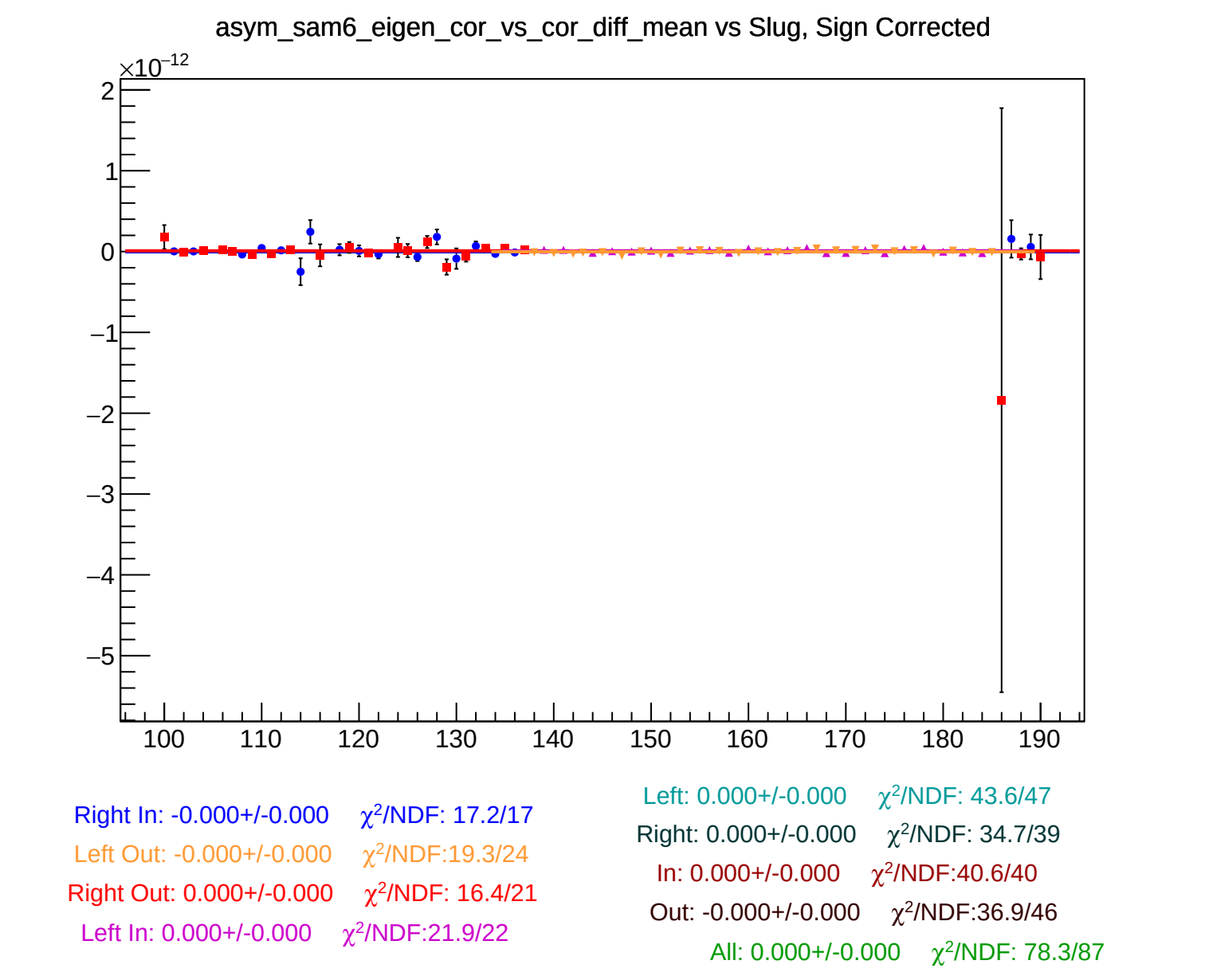
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

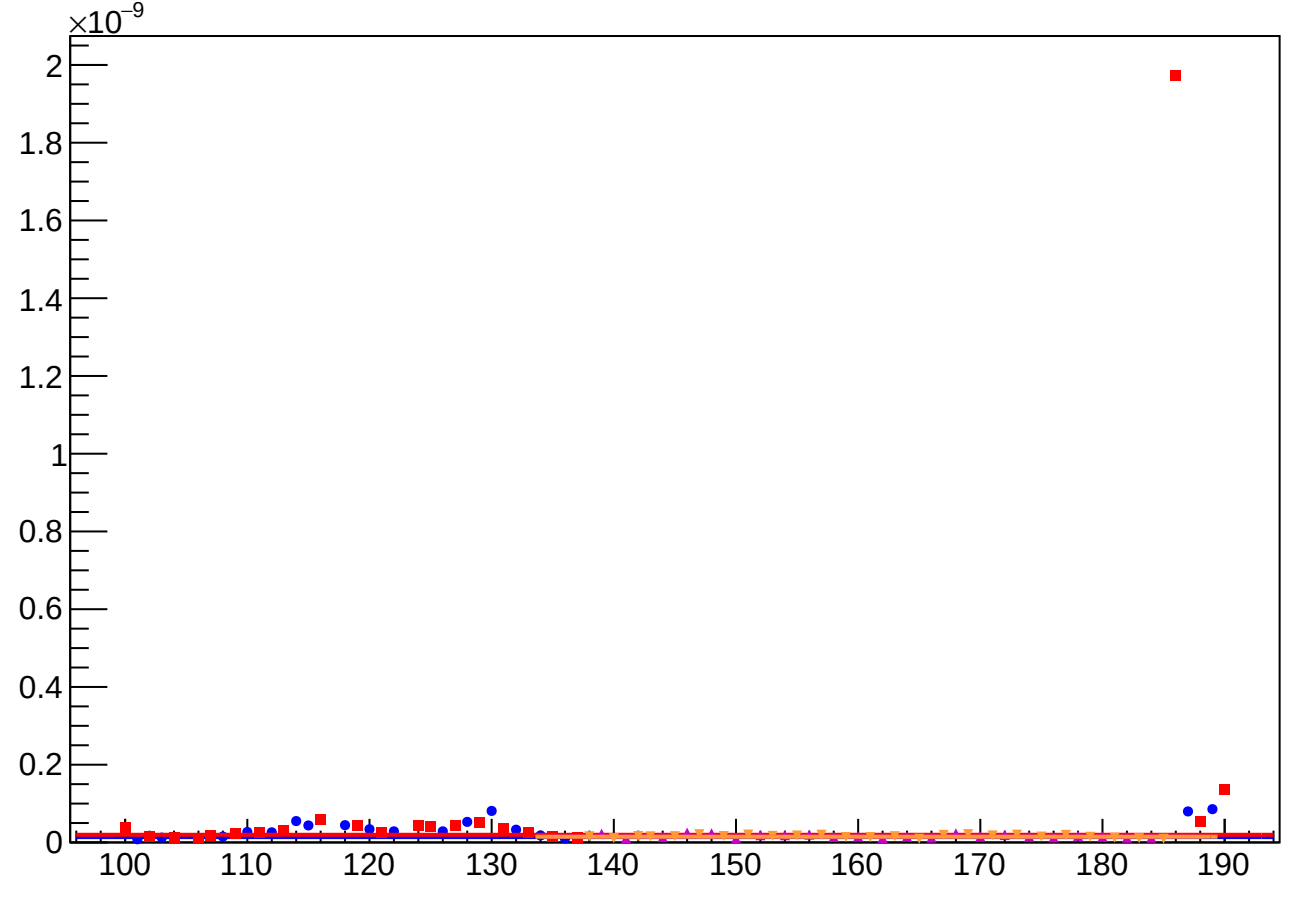
Right: 39.479+/-0.008 χ^2/NDF: 5446942.4/39

In: 49.346+/-0.007 χ^2/NDF:4509418.1/40

Out: 47.951+/-0.007 χ^2/NDF:6393348.3/46

All: 48.612+/-0.005 χ^2/NDF: 10922158.1/87


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.2/17
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.4/21
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 34.7/39
In: 0.000+/-0.000 χ²/NDF:40.6/40
Out: -0.000+/-0.000 χ²/NDF:36.9/46
All: 0.000+/-0.000 χ²/NDF: 78.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 3790375.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3500913.3/21

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

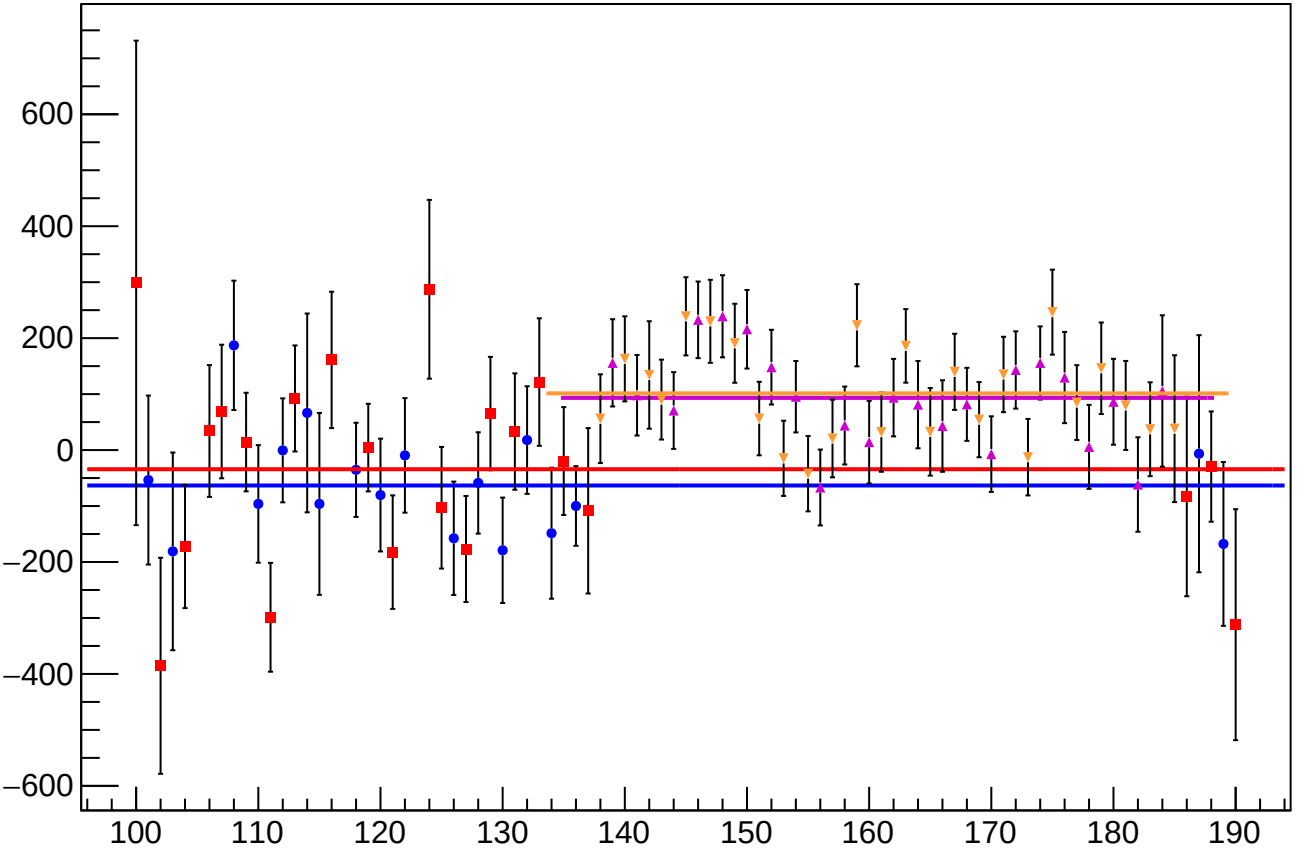
Right: 0.000+/-0.000 χ^2/NDF: 7821662.4/39

In: 0.000+/-0.000 χ^2/NDF:5253761.0/40

Out: 0.000+/-0.000 χ^2/NDF:5408021.3/46

All: 0.000+/-0.000 χ^2/NDF: 10731965.1/87

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.297+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -34.221+/-23.942 χ^2/NDF: 33.1/21

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

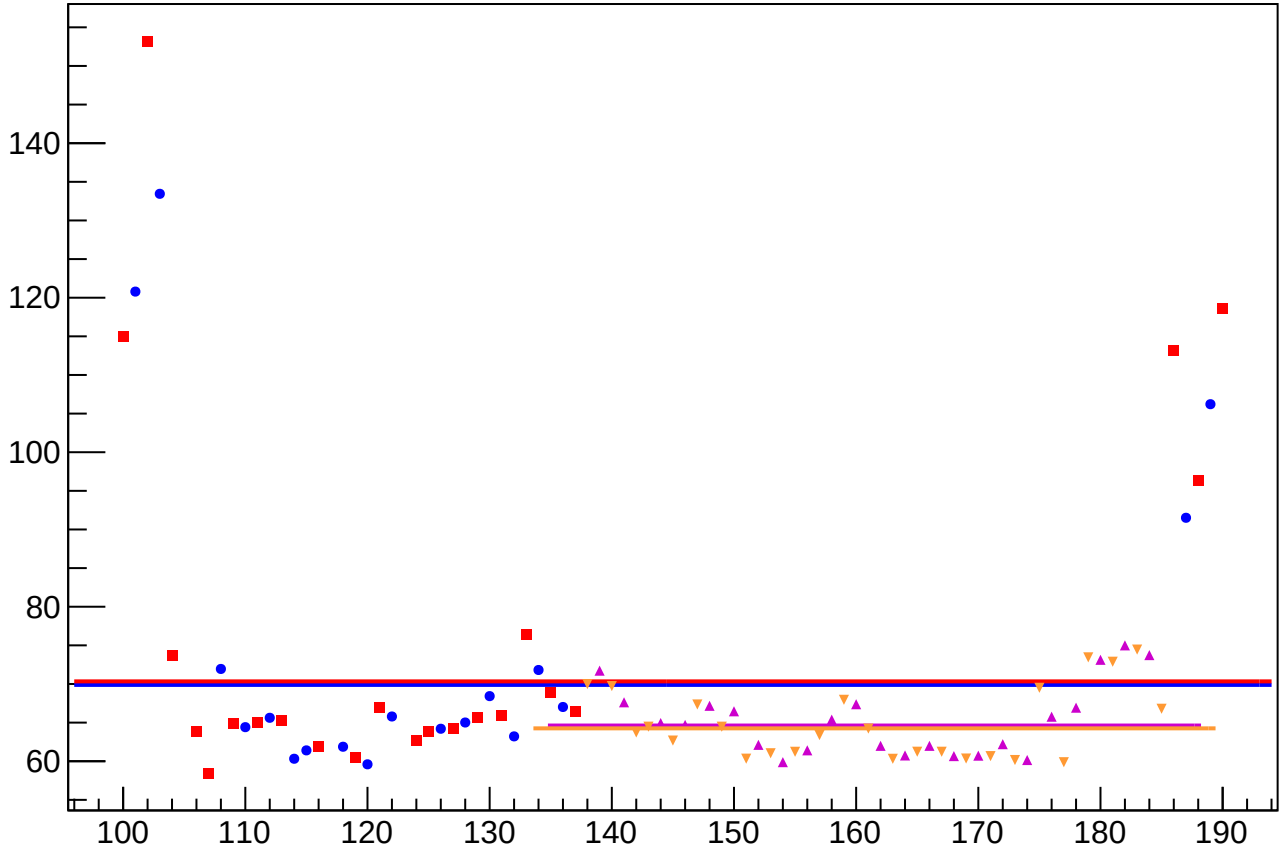
Right: -47.864+/-17.443 χ^2/NDF: 45.0/39

In: 52.367+/-13.011 χ^2/NDF:67.9/40

Out: 64.430+/-12.491 χ^2/NDF:90.3/46

All: 58.645+/-9.011 χ^2/NDF: 158.7/87

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 69.882+/-0.018 χ^2/NDF: 720117.9/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 70.339+/-0.017 χ^2/NDF: 879684.4/21

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

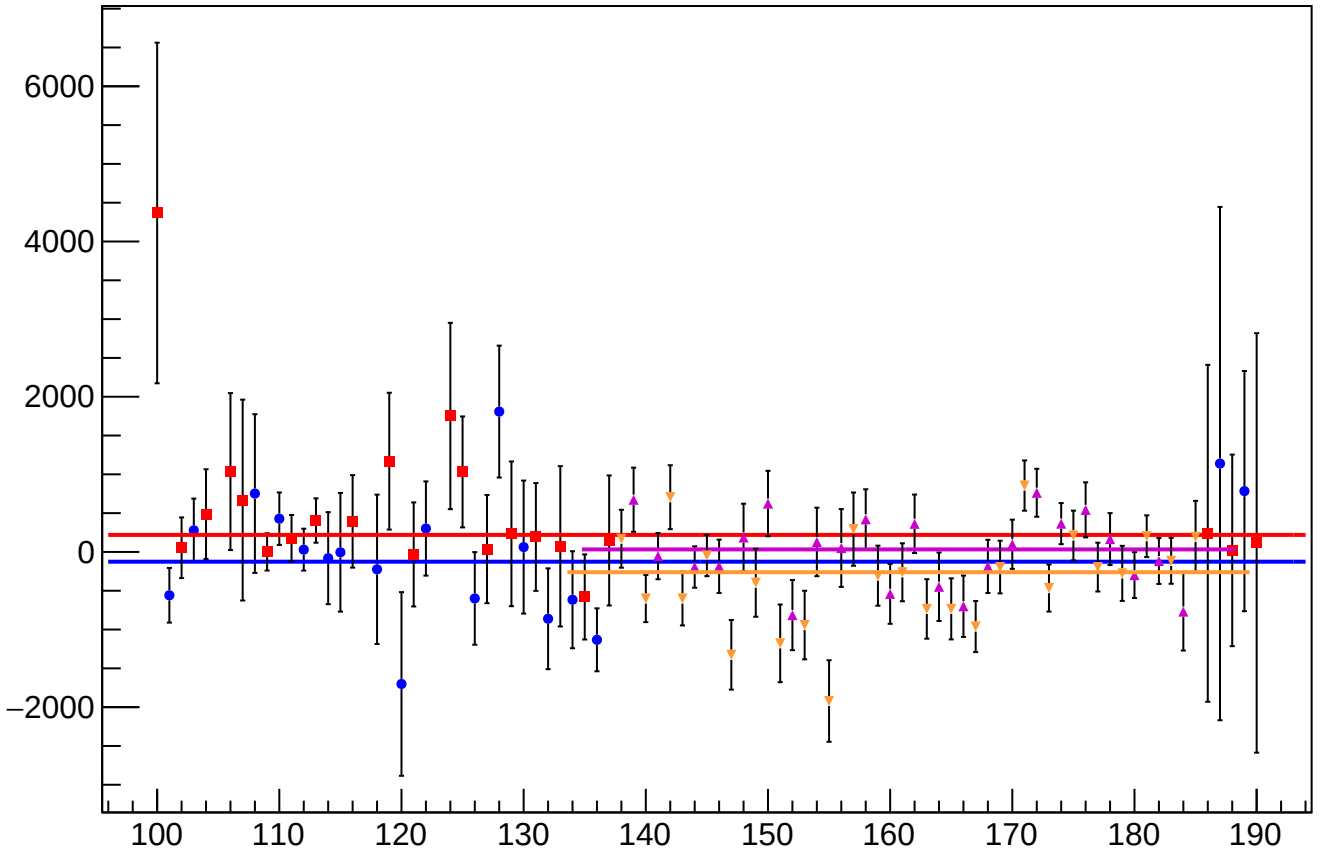
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 70.124+/-0.012 χ^2/NDF: 1600143.8/39

In: 65.995+/-0.009 χ^2/NDF:930390.8/40

Out: 65.911+/-0.009 χ^2/NDF:1151343.2/46

All: 65.951+/-0.006 χ^2/NDF: 2081776.7/87



Right In: -125.739+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 219.375+/-116.970 χ^2/NDF: 12.6/21

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

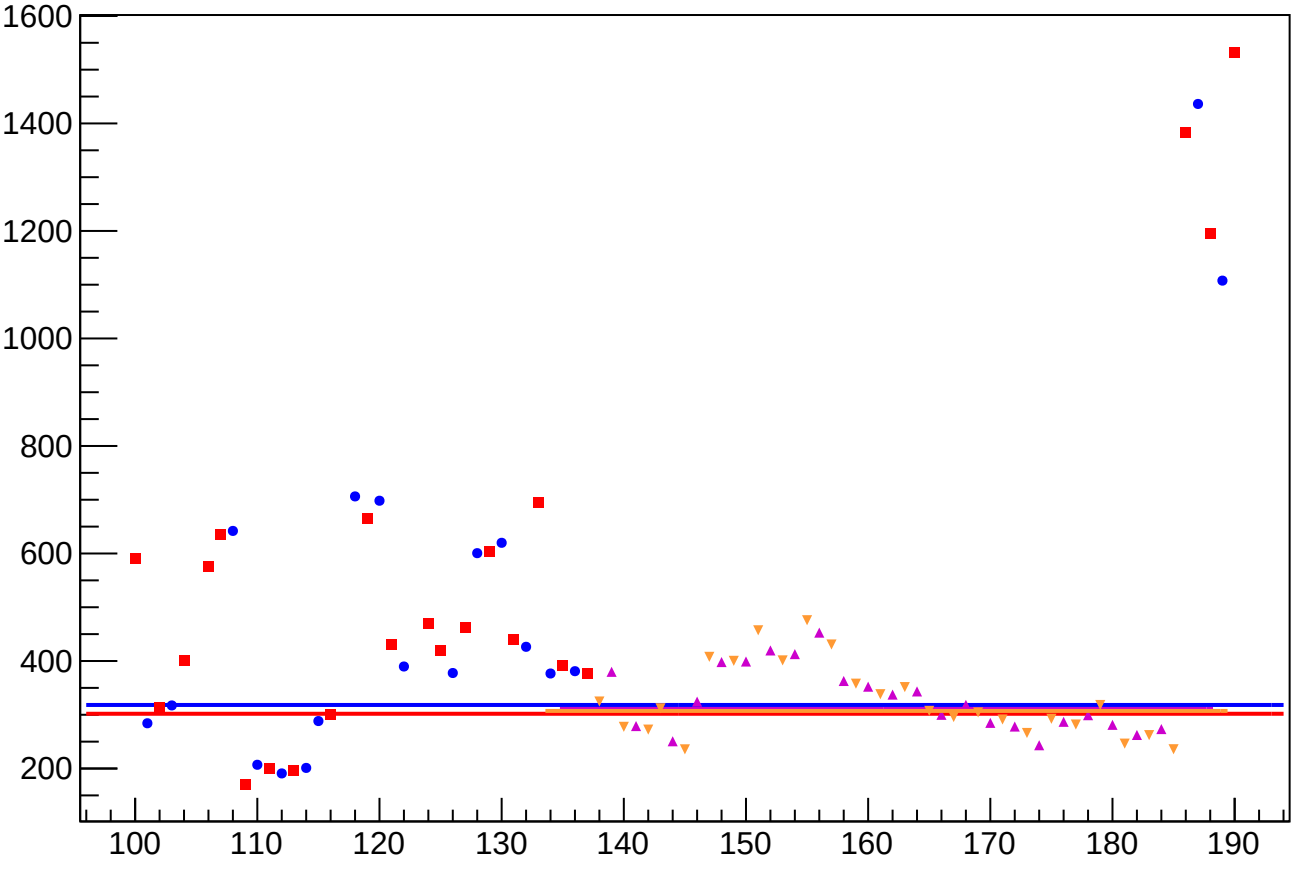
Right: 58.806+/-85.535 χ^2/NDF: 39.6/39

In: -8.295+/-63.627 χ^2/NDF:55.9/40

Out: -131.039+/-60.861 χ^2/NDF:83.7/46

All: -72.392+/-43.980 χ^2/NDF: 141.5/87

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 318.231+/-0.089 χ^2/NDF: 2878635.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 301.850+/-0.083 χ^2/NDF: 4698304.7/21

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

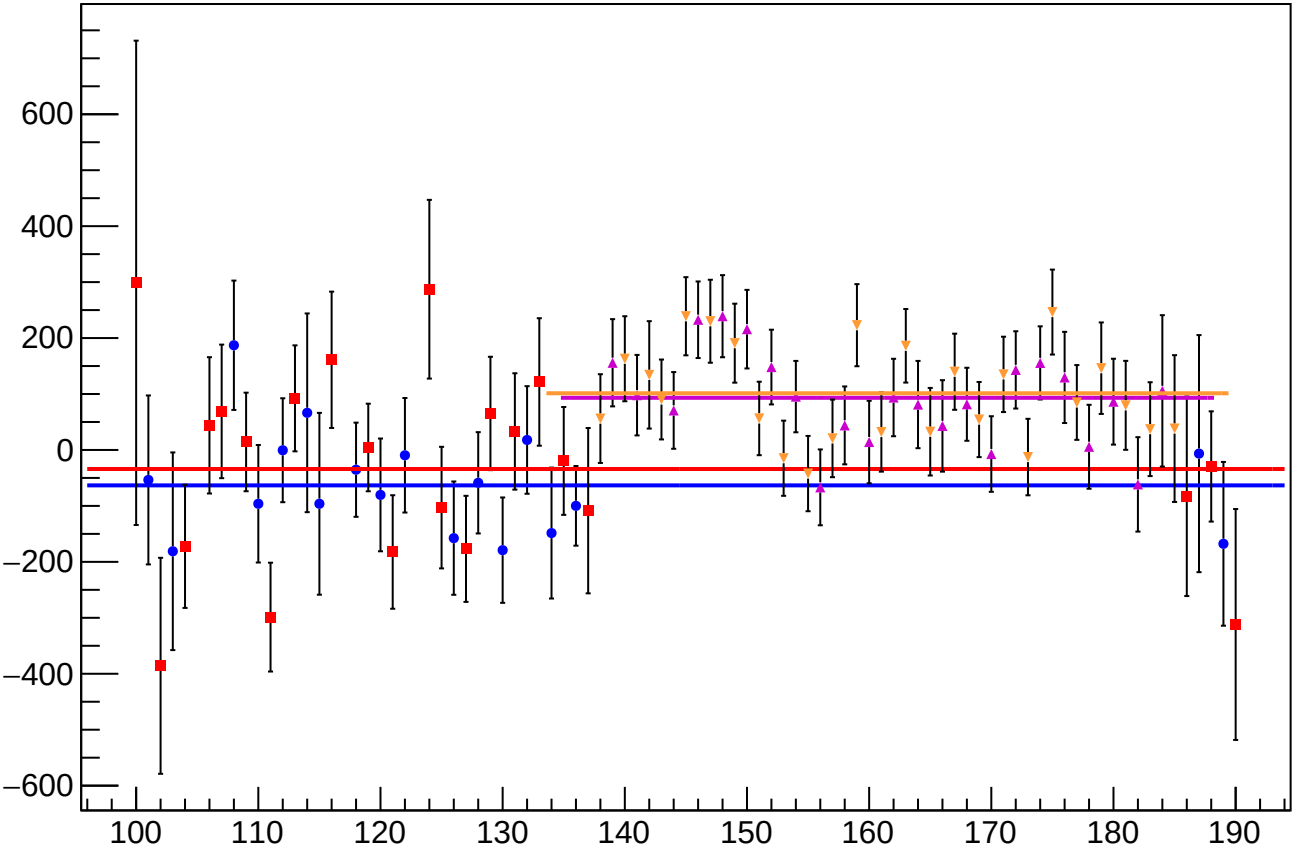
Right: 309.472+/-0.060 χ^2/NDF: 7595190.6/39

In: 312.637+/-0.045 χ^2/NDF:3963472.1/40

Out: 305.710+/-0.043 χ^2/NDF:6021442.6/46

All: 309.020+/-0.031 χ^2/NDF: 9997293.1/87

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.300+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -34.021+/-23.975 χ^2/NDF: 33.2/21

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

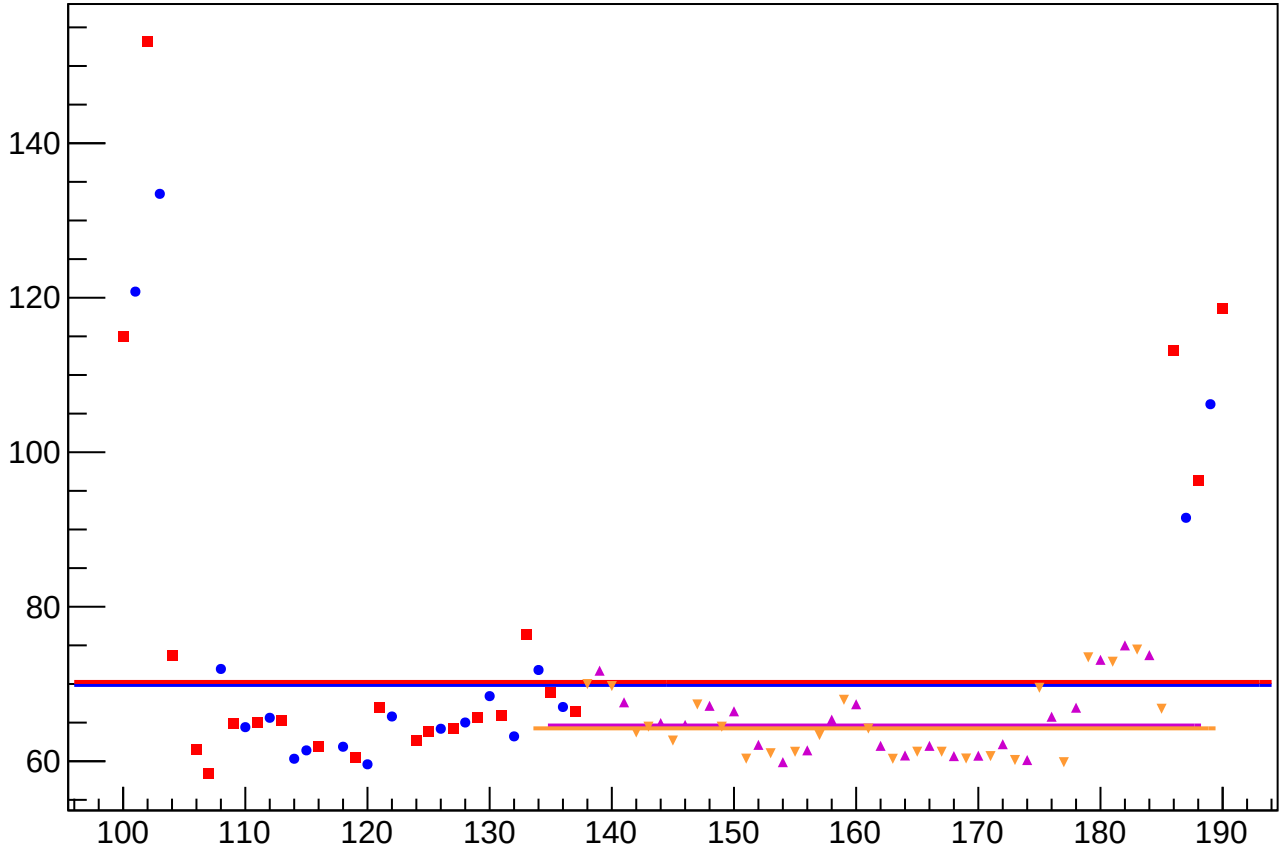
Right: -47.779+/-17.456 χ^2/NDF: 45.1/39

In: 52.366+/-13.011 χ^2/NDF:67.9/40

Out: 64.557+/-12.496 χ^2/NDF:90.3/46

All: 58.708+/-9.013 χ^2/NDF: 158.7/87

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 69.882+/-0.018 χ^2/NDF: 720118.3/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 70.265+/-0.017 χ^2/NDF: 884139.1/21

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

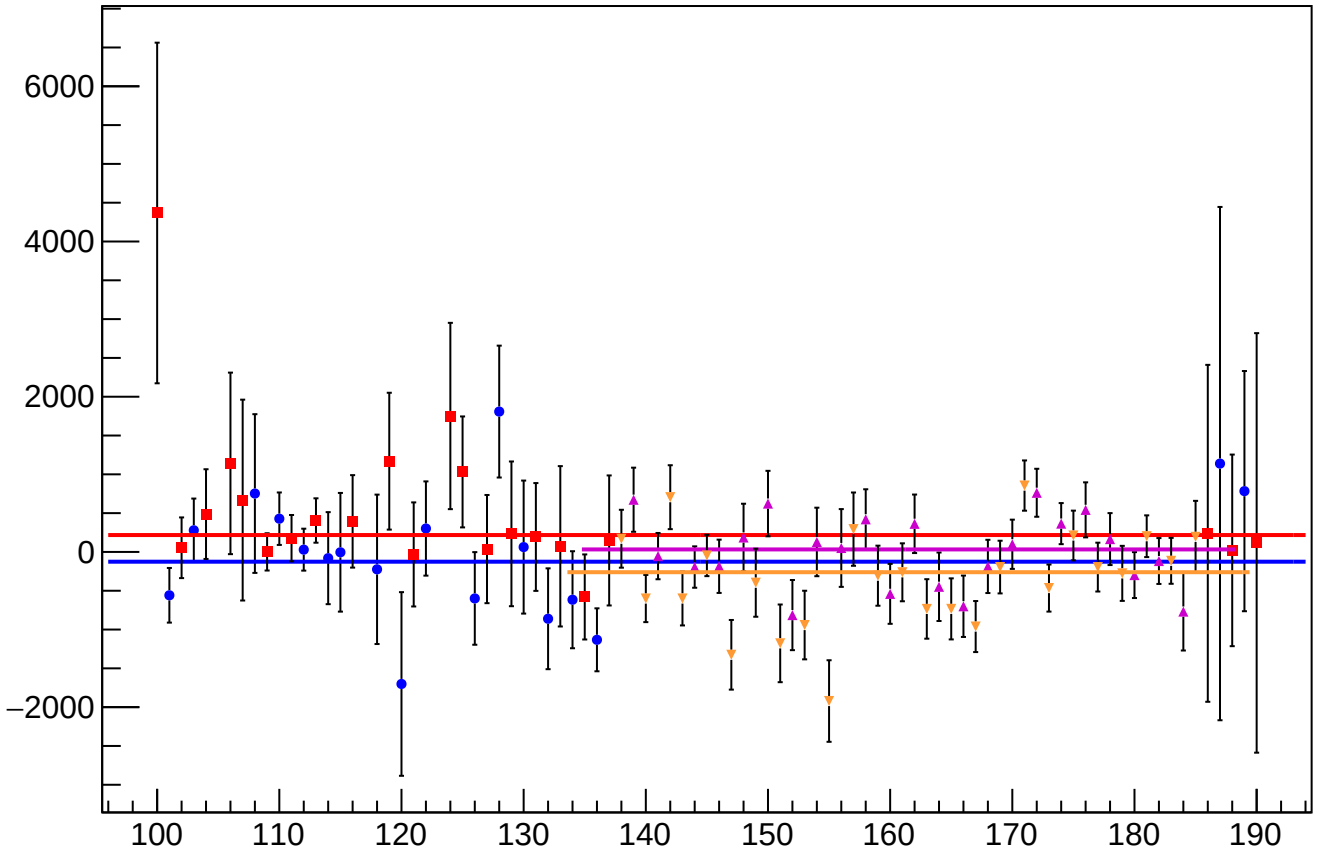
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 70.085+/-0.012 χ^2/NDF: 1604496.9/39

In: 65.995+/-0.009 χ^2/NDF:930391.1/40

Out: 65.888+/-0.009 χ^2/NDF:1153344.9/46

All: 65.939+/-0.006 χ^2/NDF: 2083806.0/87



Right In: -125.735+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 217.683+/-117.172 χ^2/NDF: 12.5/21

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

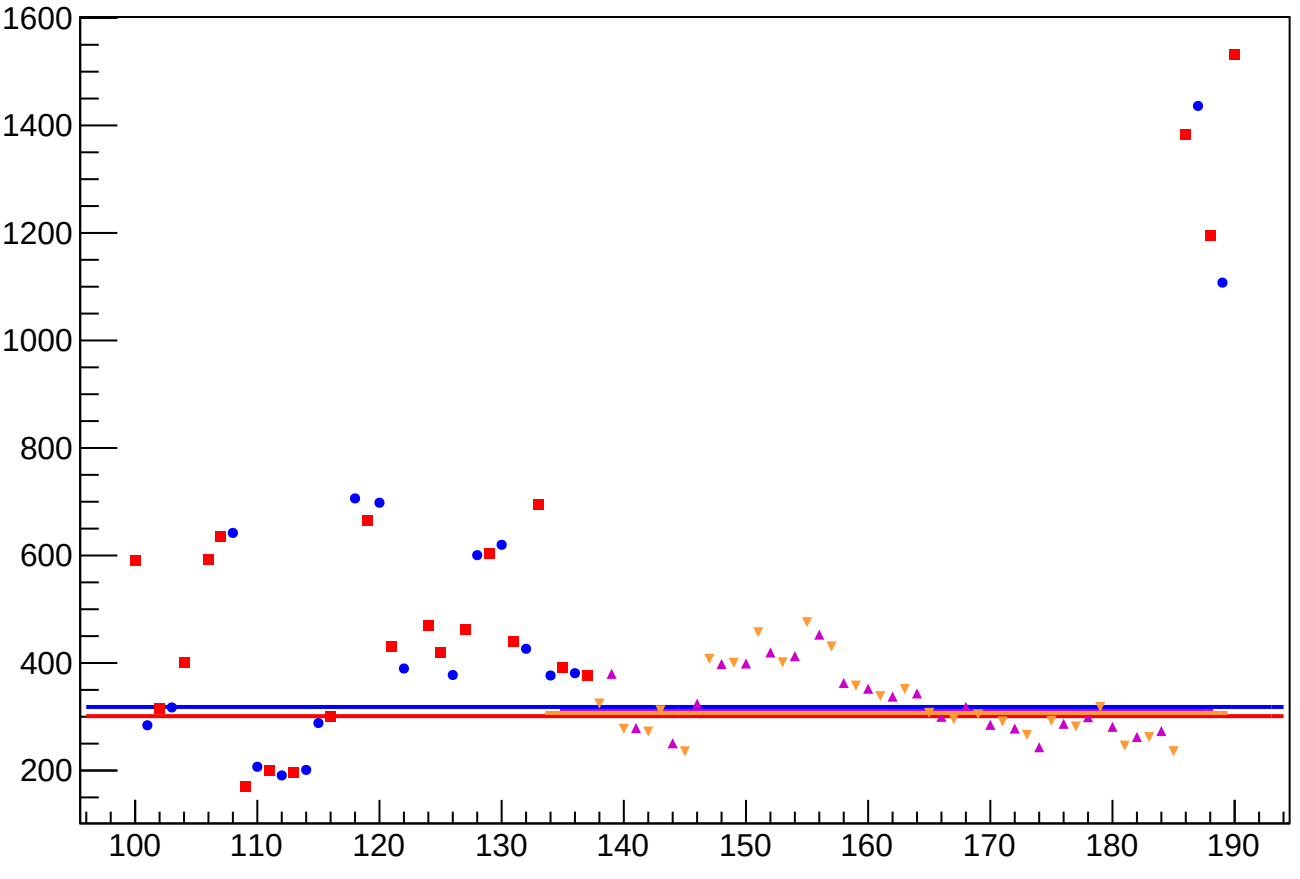
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 57.608+/-85.614 χ^2/NDF: 39.5/39

In: -8.297+/-63.627 χ^2/NDF:55.9/40

Out: -131.824+/-60.890 χ^2/NDF:83.5/46

All: -72.774+/-43.991 χ^2/NDF: 141.4/87



Right In: 318.233+/-0.089 χ^2/NDF: 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 301.117+/-0.083 χ^2/NDF: 4676202.1/21

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

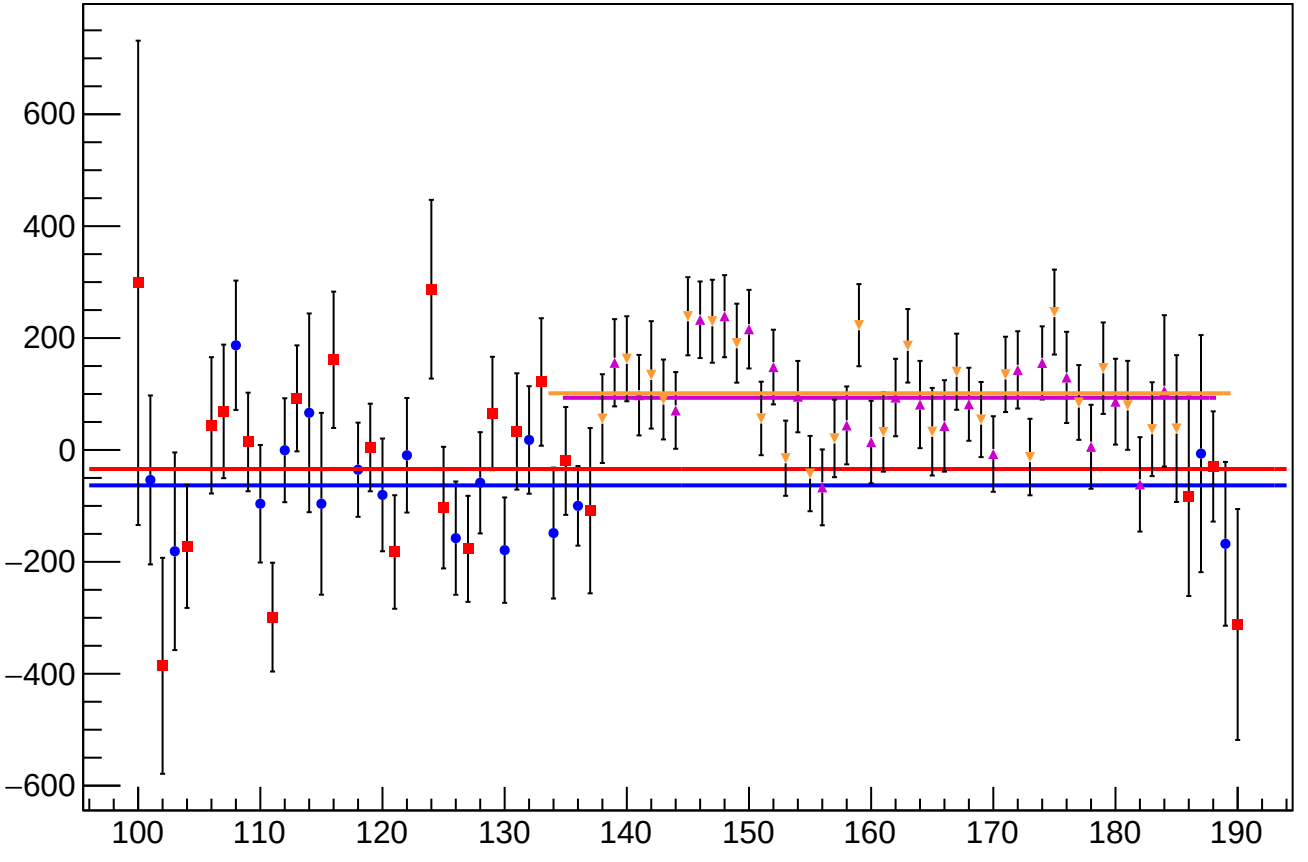
Right: 309.095+/-0.061 χ^2/NDF: 7574729.4/39

In: 312.638+/-0.045 χ^2/NDF:3963476.2/40

Out: 305.516+/-0.043 χ^2/NDF:6000211.4/46

All: 308.920+/-0.031 χ^2/NDF: 9976767.4/87

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.300+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -34.021+/-23.975 χ^2/NDF: 33.2/21

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

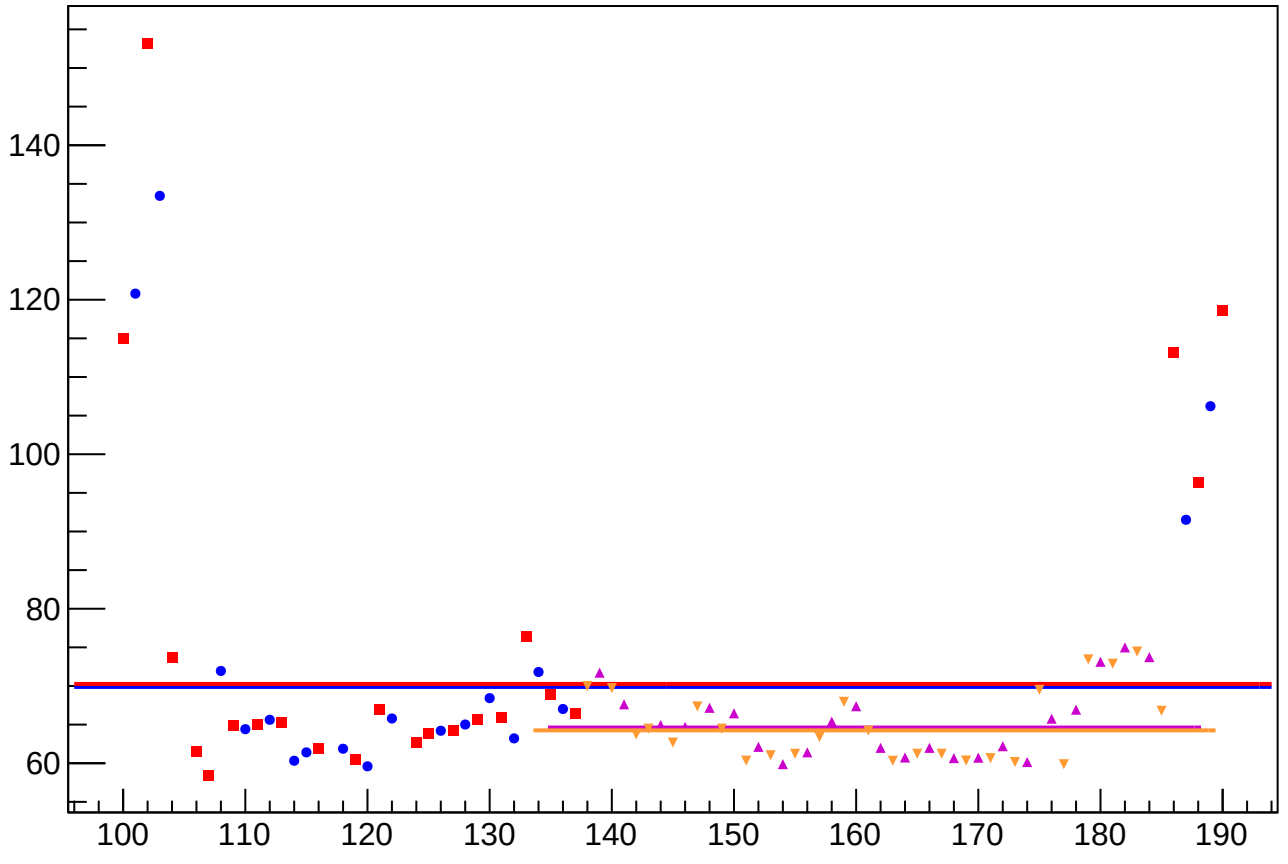
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -47.779+/-17.456 χ^2/NDF: 45.1/39

In: 52.366+/-13.011 χ^2/NDF:67.9/40

Out: 64.557+/-12.496 χ^2/NDF:90.3/46

All: 58.708+/-9.013 χ^2/NDF: 158.7/87



Right In: 69.882+/-0.018 χ^2/NDF: 720118.3/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 70.265+/-0.017 χ^2/NDF: 884139.1/21

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

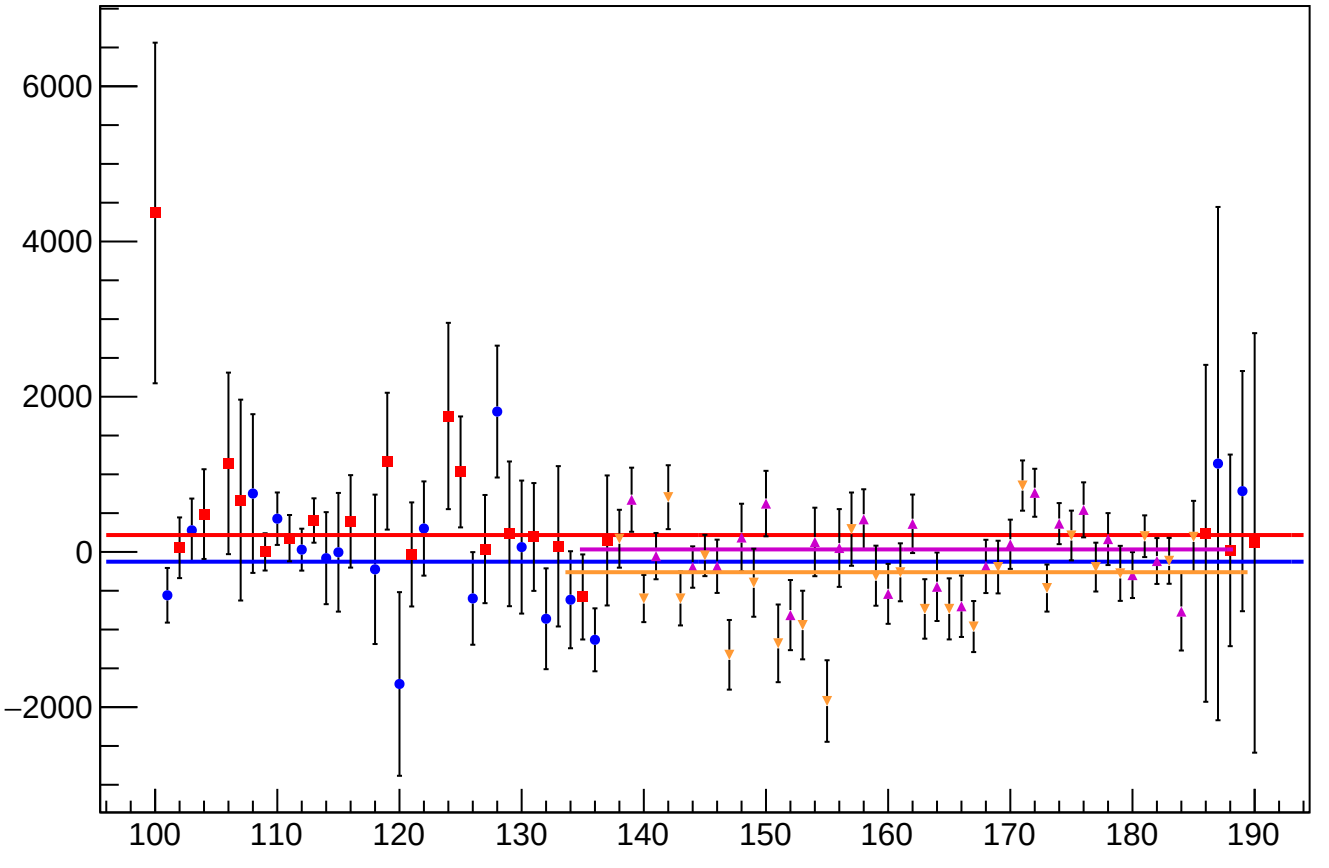
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 70.085+/-0.012 χ^2/NDF: 1604496.9/39

In: 65.995+/-0.009 χ^2/NDF:930391.1/40

Out: 65.888+/-0.009 χ^2/NDF:1153344.9/46

All: 65.939+/-0.006 χ^2/NDF: 2083806.0/87



Right In: -125.735+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 217.683+/-117.172 χ^2/NDF: 12.5/21

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

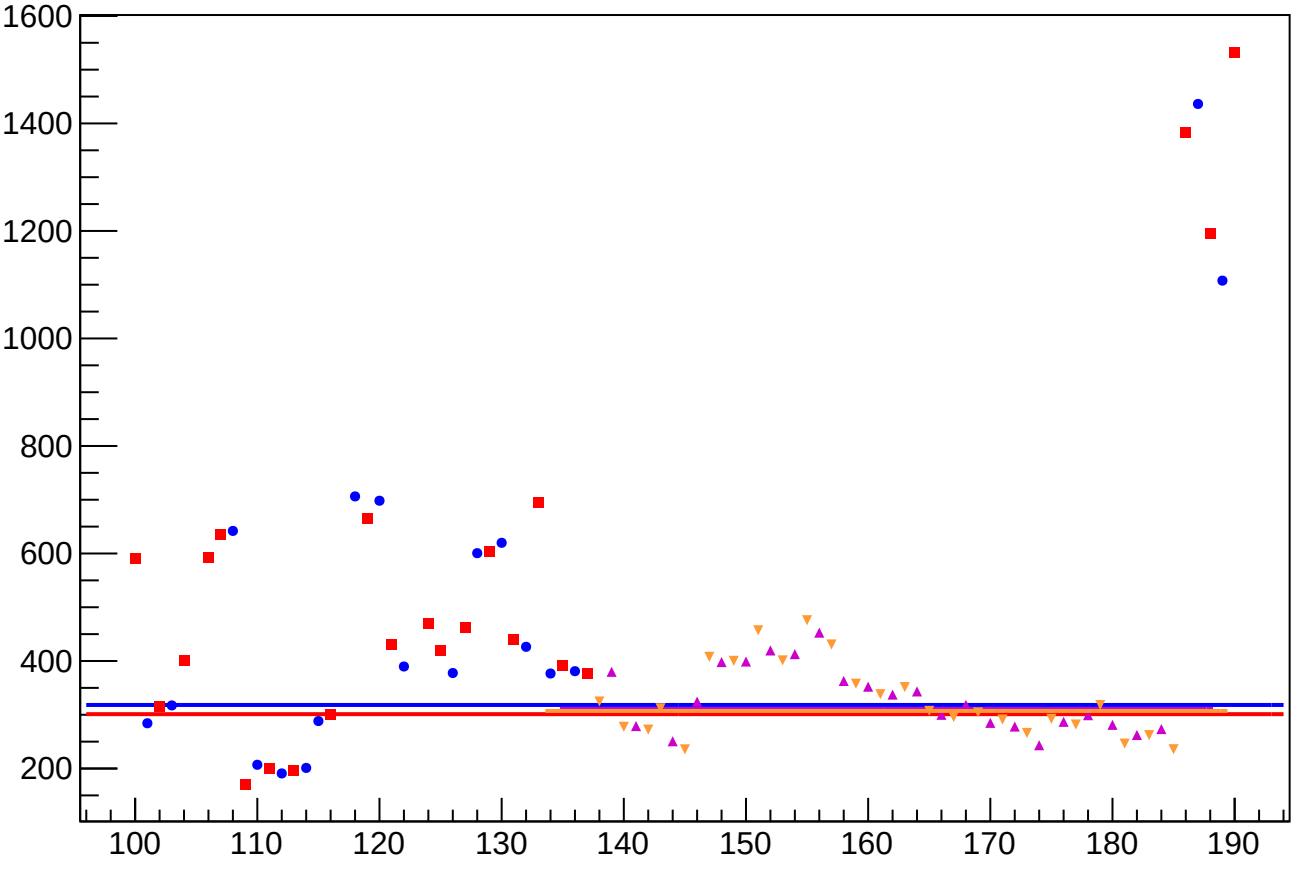
Right: 57.608+/-85.614 χ^2/NDF: 39.5/39

In: -8.297+/-63.627 χ^2/NDF:55.9/40

Out: -131.824+/-60.890 χ^2/NDF:83.5/46

All: -72.774+/-43.991 χ^2/NDF: 141.4/87

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 318.233+/-0.089 χ^2/NDF: 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 301.117+/-0.083 χ^2/NDF: 4676202.1/21

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

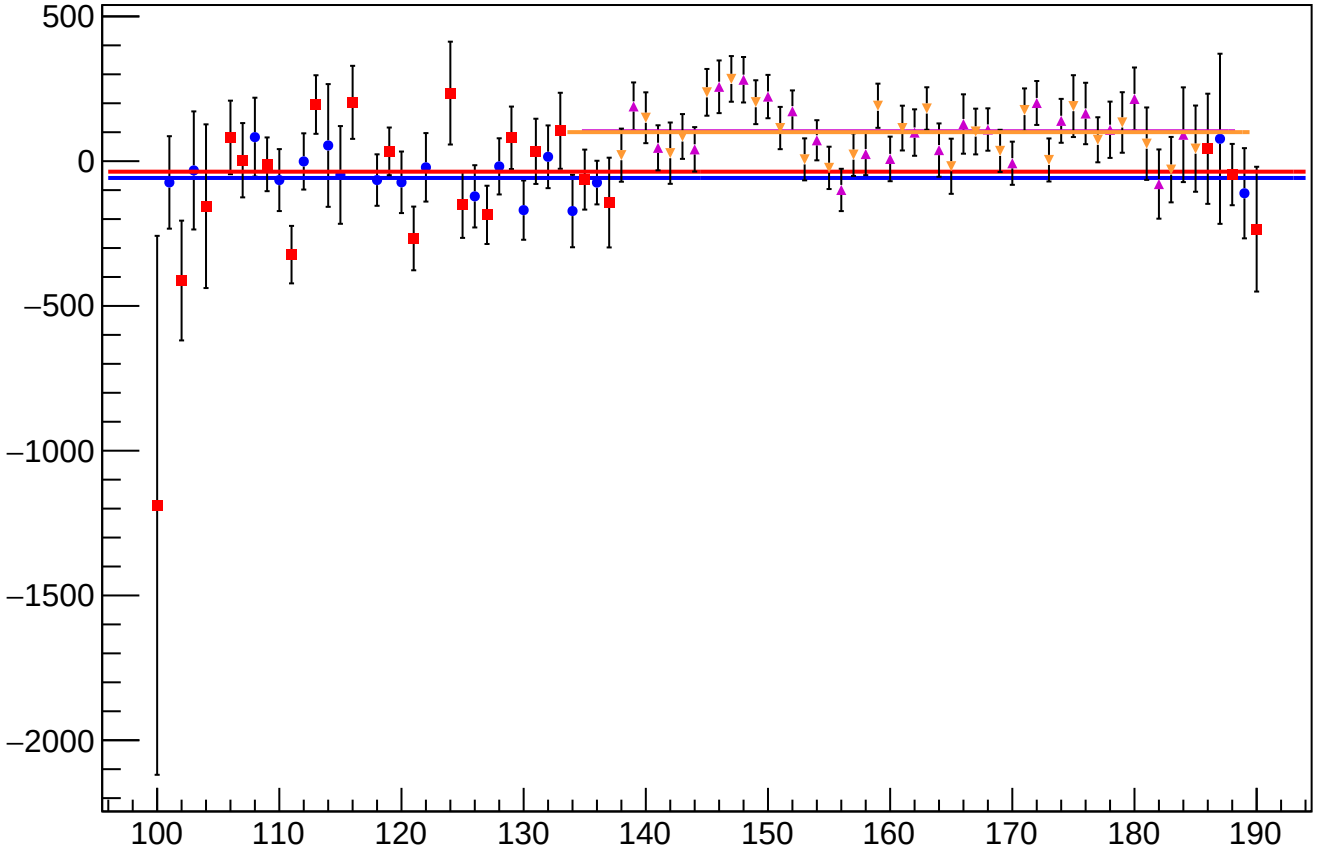
Right: 309.095+/-0.061 χ^2/NDF: 7574729.4/39

In: 312.638+/-0.045 χ^2/NDF:3963476.2/40

Out: 305.516+/-0.043 χ^2/NDF:6000211.4/46

All: 308.920+/-0.031 χ^2/NDF: 9976767.4/87

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -58.012+/-27.520 χ^2/NDF: 5.2/17

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -36.271+/-26.077 χ^2/NDF: 38.2/21

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

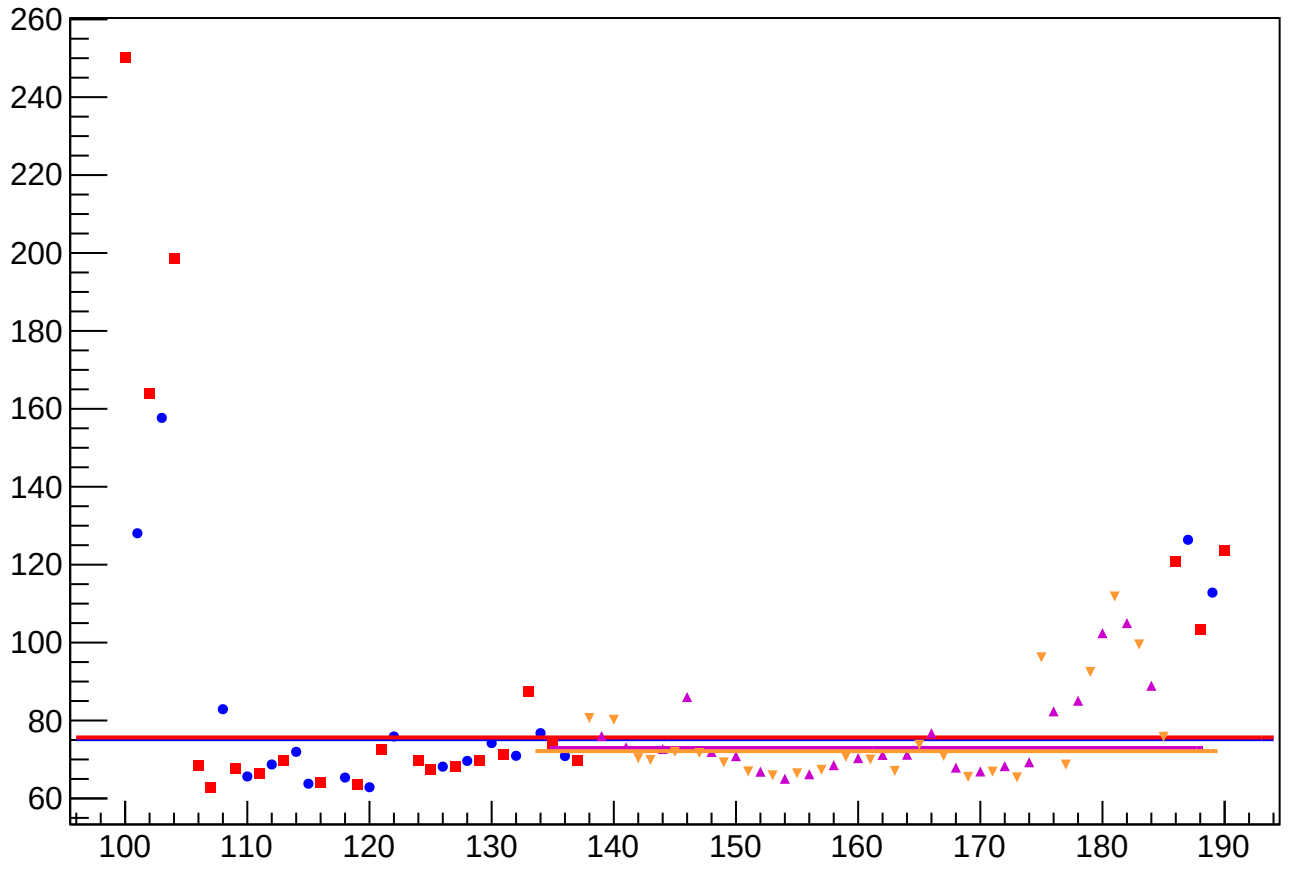
Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

Right: -46.557+/-18.929 χ^2/NDF: 43.7/39

In: 57.803+/-14.622 χ^2/NDF:62.6/40

Out: 60.816+/-14.019 χ^2/NDF:85.4/46

All: 59.373+/-10.119 χ^2/NDF: 148.0/87



Right In: 75.209+/-0.019 χ^2/NDF: 841383.9/17

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 75.650+/-0.018 χ^2/NDF: 1342751.7/21

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

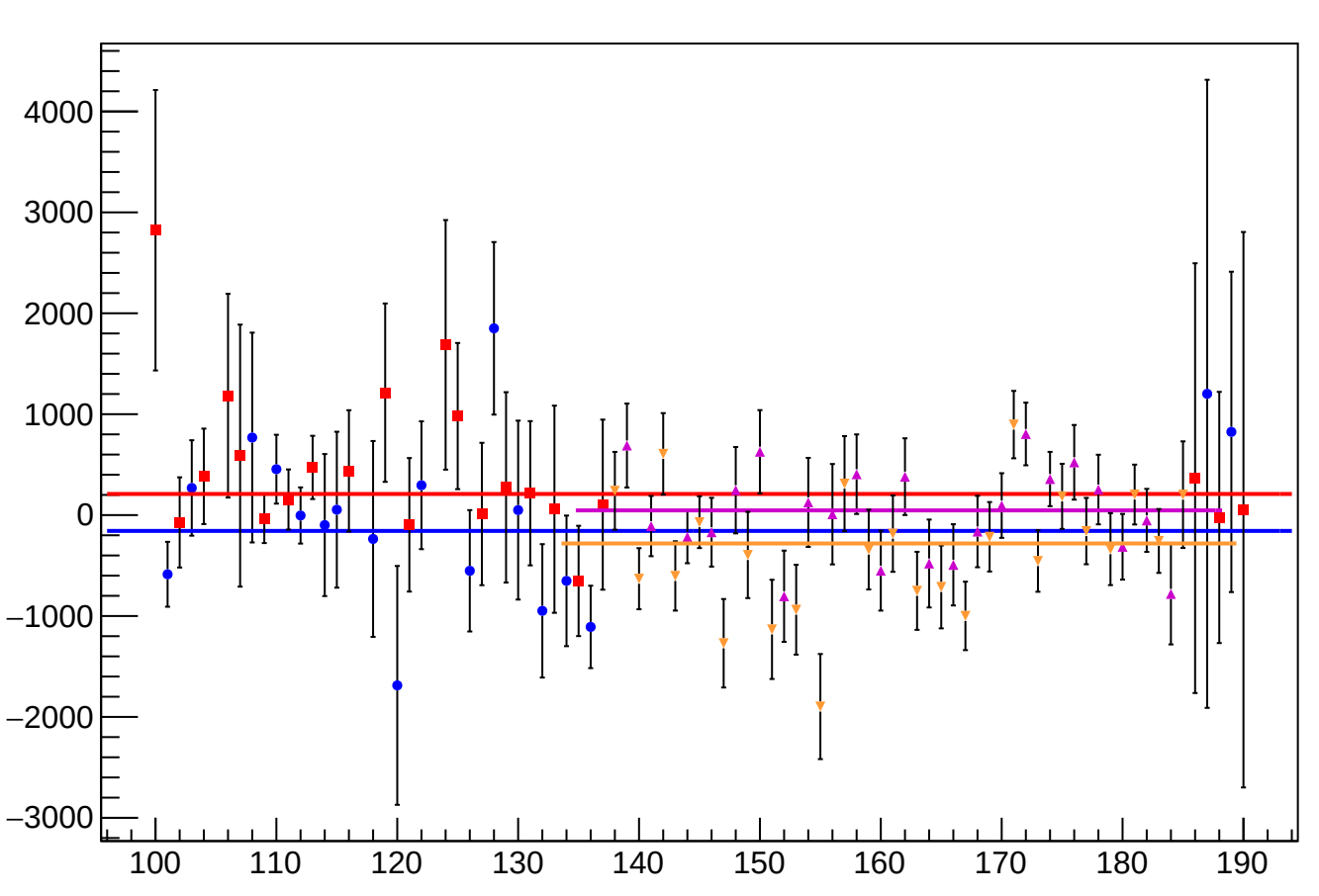
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 75.441+/-0.013 χ^2/NDF: 2184405.1/39

In: 73.587+/-0.010 χ^2/NDF:1360103.0/40

Out: 73.161+/-0.010 χ^2/NDF:2010336.8/46

All: 73.365+/-0.007 χ^2/NDF: 3371322.3/87



Right In: -156.762+/-127.911 χ^2/NDF: 23.2/17

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 209.380+/-119.266 χ^2/NDF: 13.7/21

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

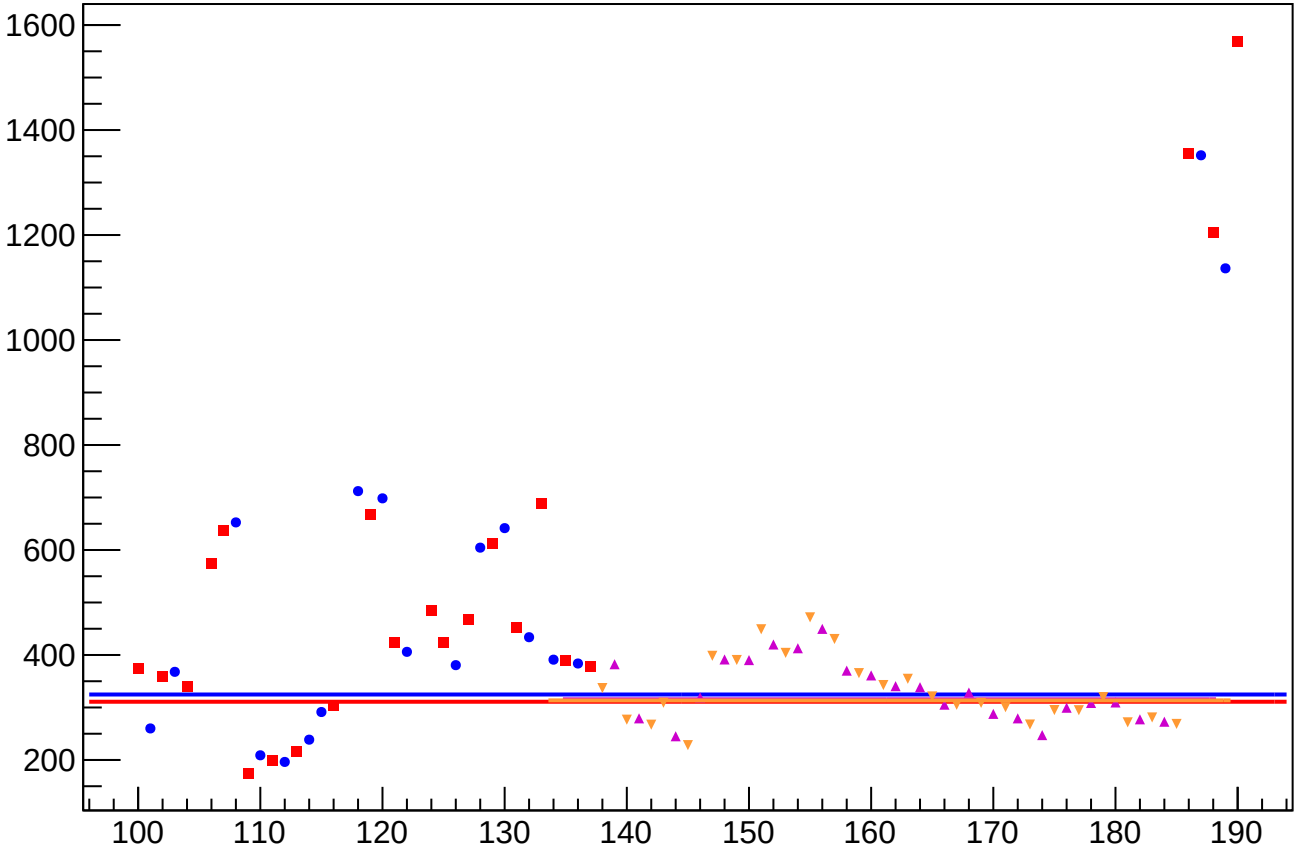
Right: 39.099+/-87.230 χ^2/NDF: 41.2/39

In: -5.346+/-64.632 χ^2/NDF:55.8/40

Out: -148.735+/-61.975 χ^2/NDF:82.8/46

All: -80.048+/-44.733 χ^2/NDF: 141.2/87

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 324.728+/-0.090 χ^2/NDF: 2883157.4/17

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 310.936+/-0.084 χ^2/NDF: 4499584.7/21

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

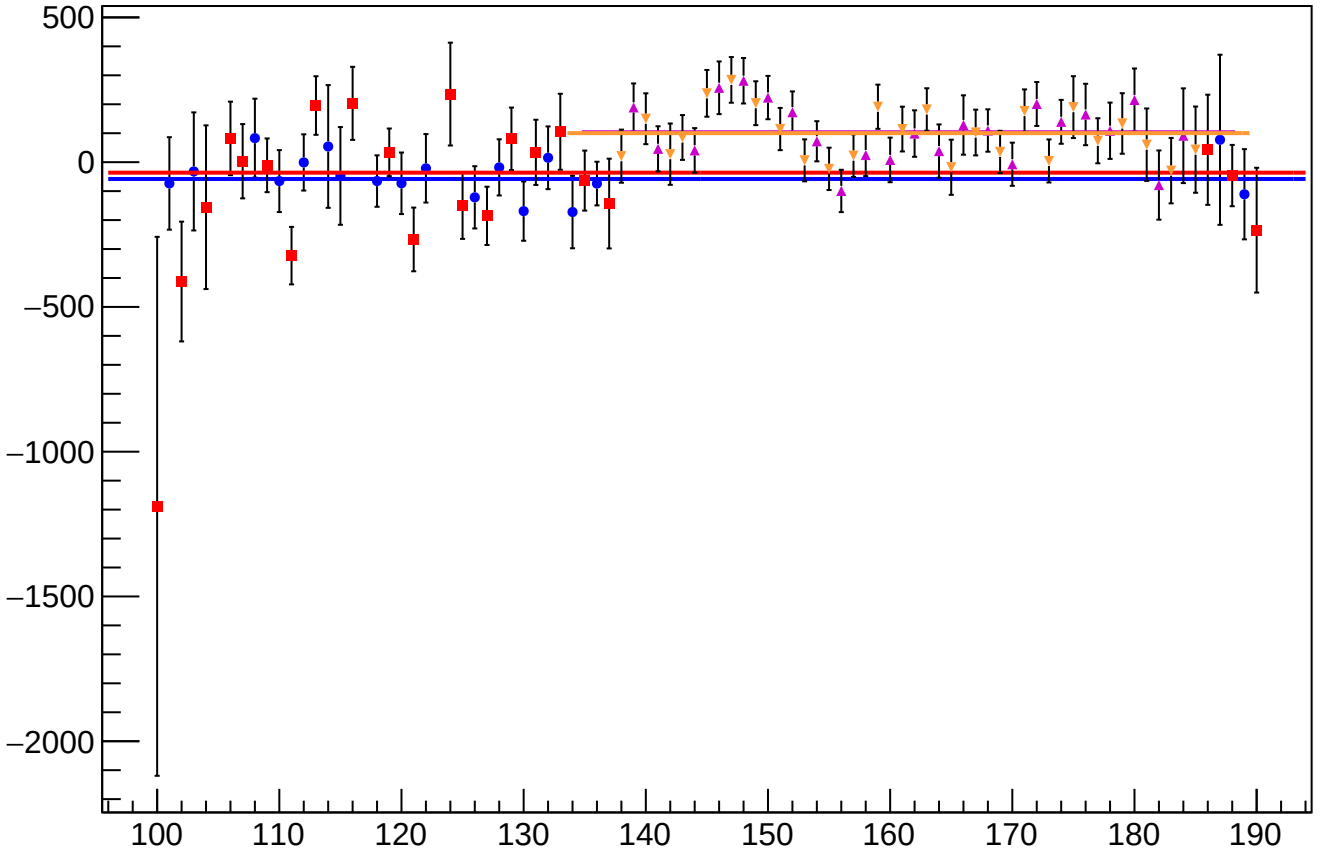
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 317.350+/-0.062 χ^2/NDF: 7395180.0/39

In: 317.823+/-0.046 χ^2/NDF:3899507.0/40

Out: 312.808+/-0.044 χ^2/NDF:5675788.9/46

All: 315.210+/-0.032 χ^2/NDF: 9581569.0/87



Right In: -58.011+/-27.520 χ^2/NDF: 5.2/17

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -36.272+/-26.077 χ^2/NDF: 38.2/21

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

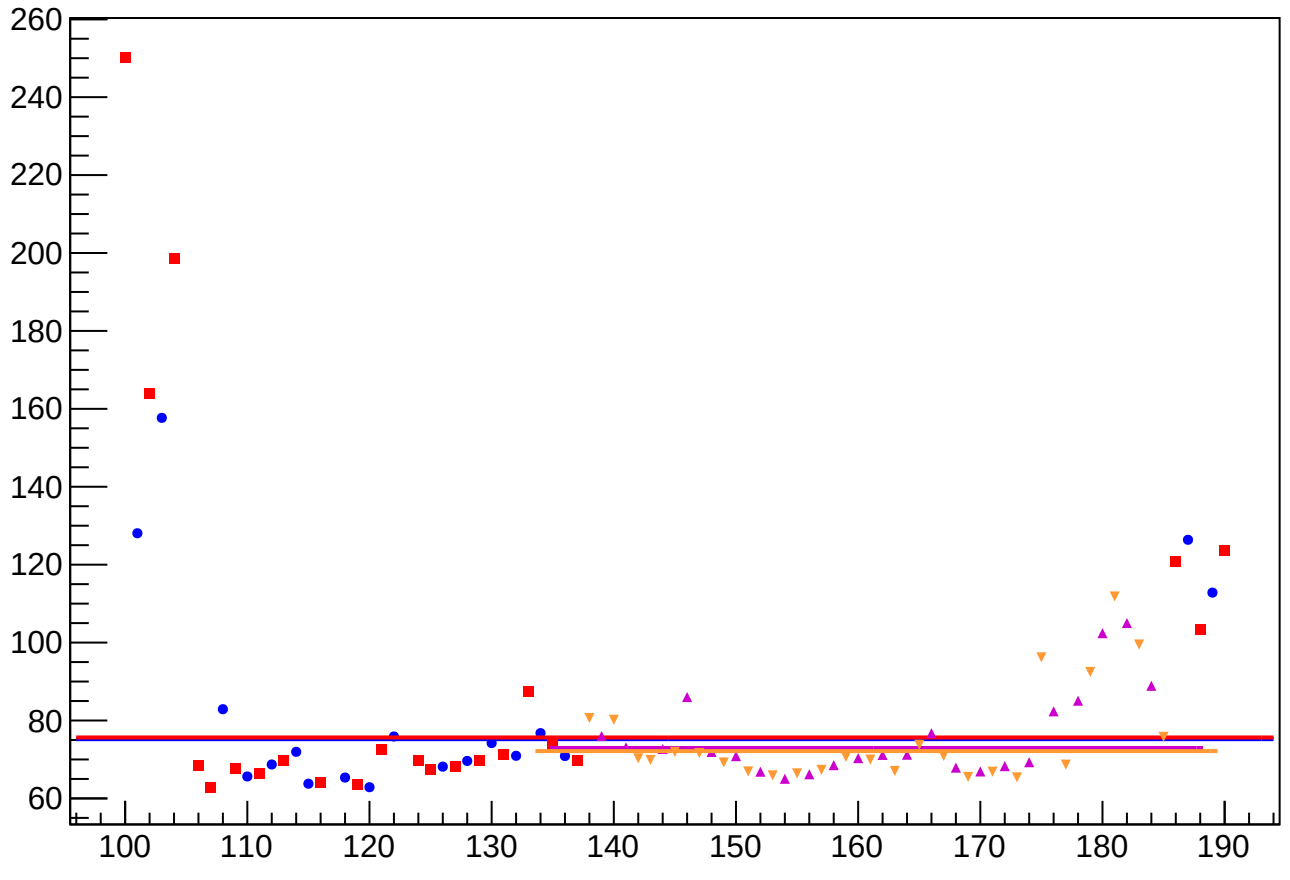
Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

Right: -46.557+/-18.929 χ^2/NDF: 43.7/39

In: 57.803+/-14.622 χ^2/NDF:62.6/40

Out: 60.815+/-14.019 χ^2/NDF:85.4/46

All: 59.373+/-10.119 χ^2/NDF: 148.0/87



Right In: 75.209+/-0.019 χ^2/NDF: 841388.6/17

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 75.649+/-0.018 χ^2/NDF: 1342750.9/21

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

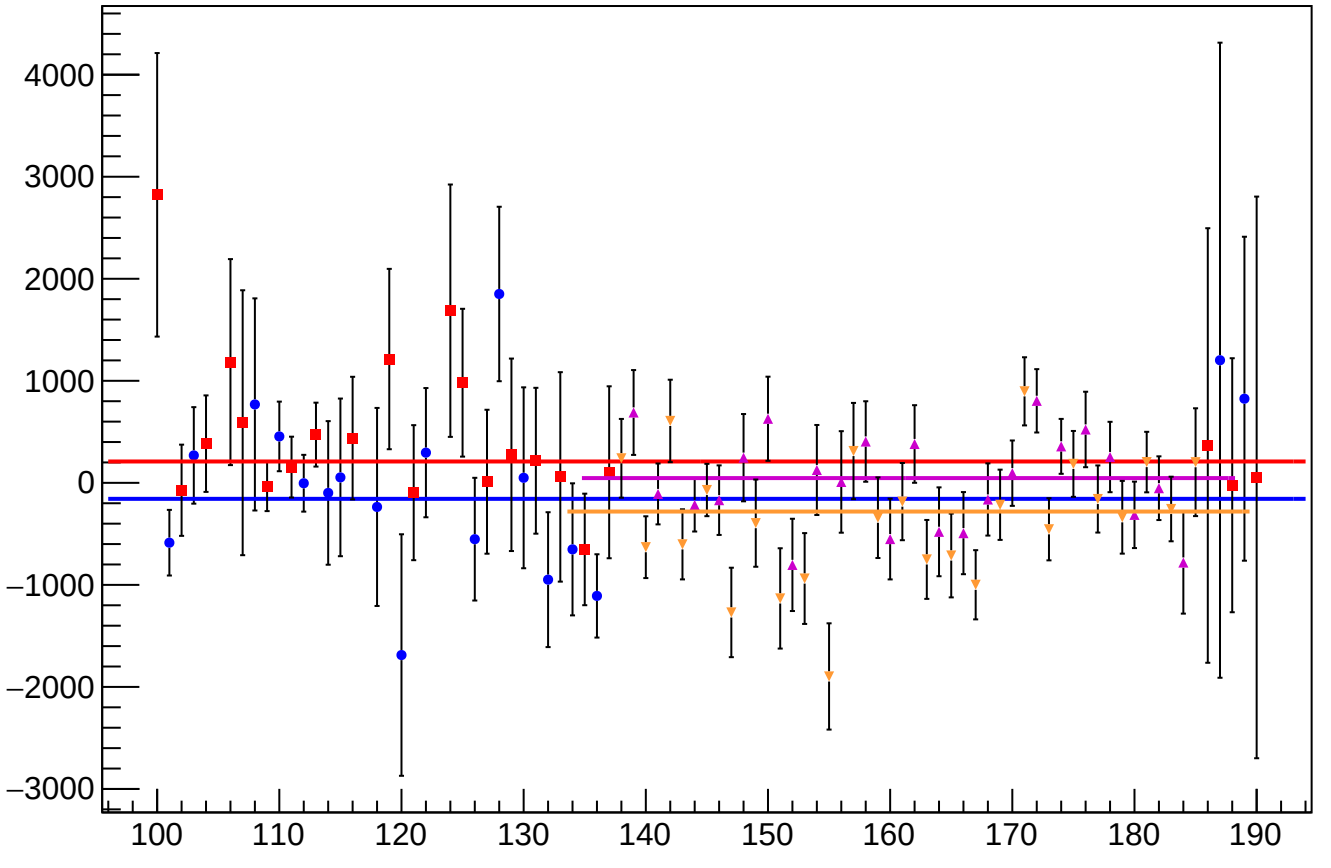
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 75.441+/-0.013 χ^2/NDF: 2184409.1/39

In: 73.587+/-0.010 χ^2/NDF:1360106.9/40

Out: 73.161+/-0.010 χ^2/NDF:2010331.6/46

All: 73.365+/-0.007 χ^2/NDF: 3371321.1/87



Right In: -156.761+/-127.910 χ^2/NDF: 23.2/17

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 209.379+/-119.266 χ^2/NDF: 13.7/21

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

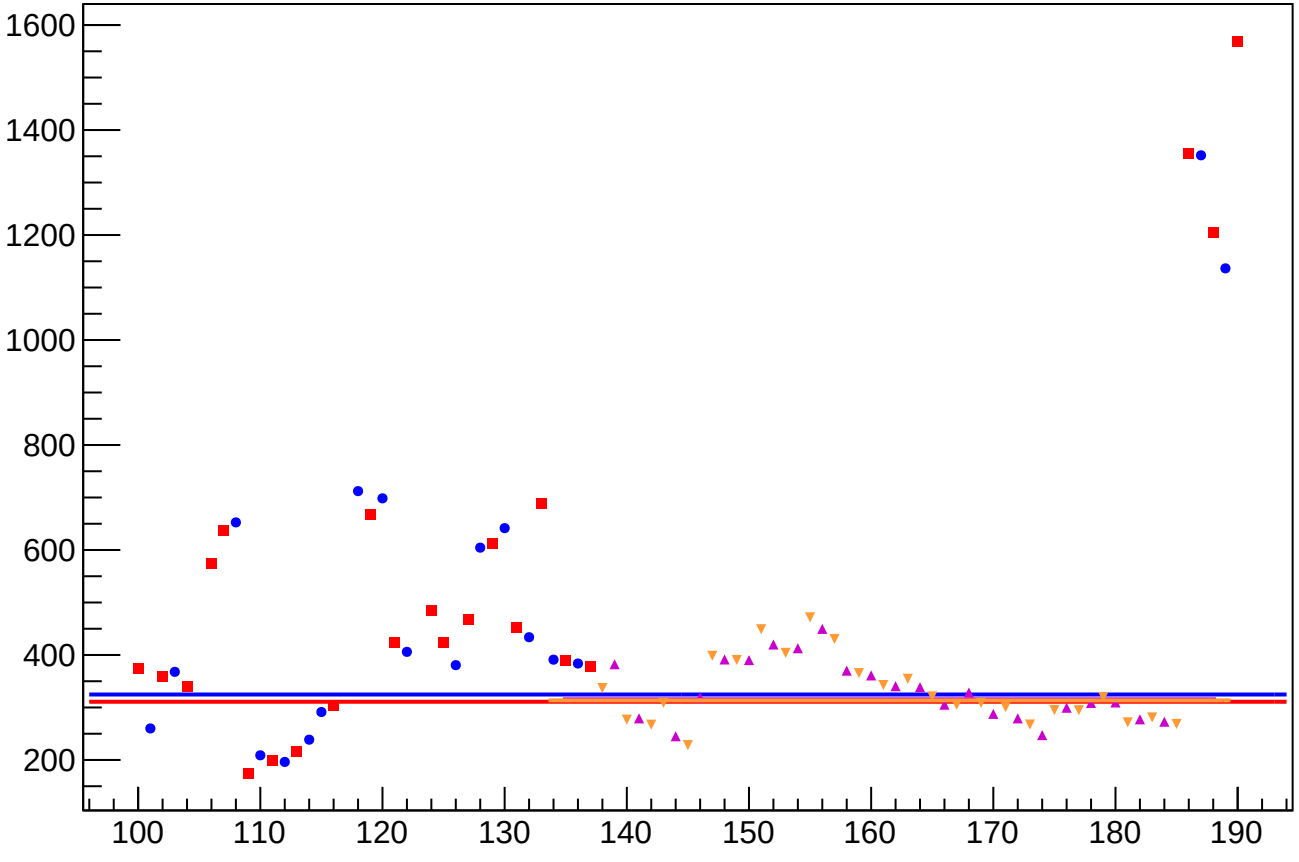
Right: 39.099+/-87.230 χ^2/NDF: 41.2/39

In: -5.346+/-64.632 χ^2/NDF:55.8/40

Out: -148.734+/-61.975 χ^2/NDF:82.8/46

All: -80.048+/-44.733 χ^2/NDF: 141.2/87

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 324.725+/-0.090 χ^2/NDF: 2883192.6/17

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 310.934+/-0.084 χ^2/NDF: 4499601.0/21

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

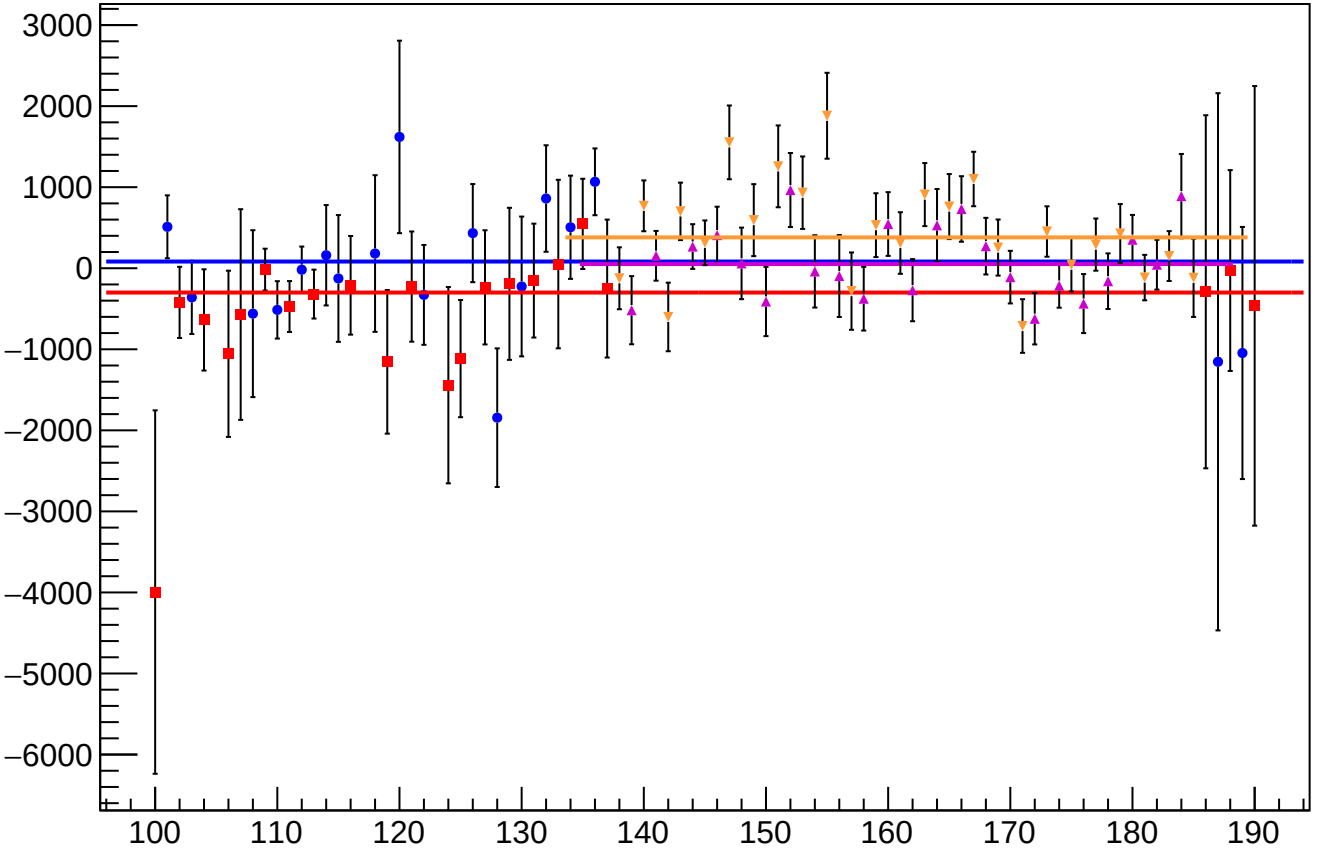
Right: 317.348+/-0.062 χ^2/NDF: 7395229.9/39

In: 317.822+/-0.046 χ^2/NDF:3899536.3/40

Out: 312.807+/-0.044 χ^2/NDF:5675811.4/46

All: 315.210+/-0.032 χ^2/NDF: 9581620.7/87

asym_sam7_mean vs Slug, Sign Corrected



Right In: 82.721+/-131.352 χ^2/NDF: 21.5/17

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -299.870+/-122.978 χ^2/NDF: 10.9/21

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

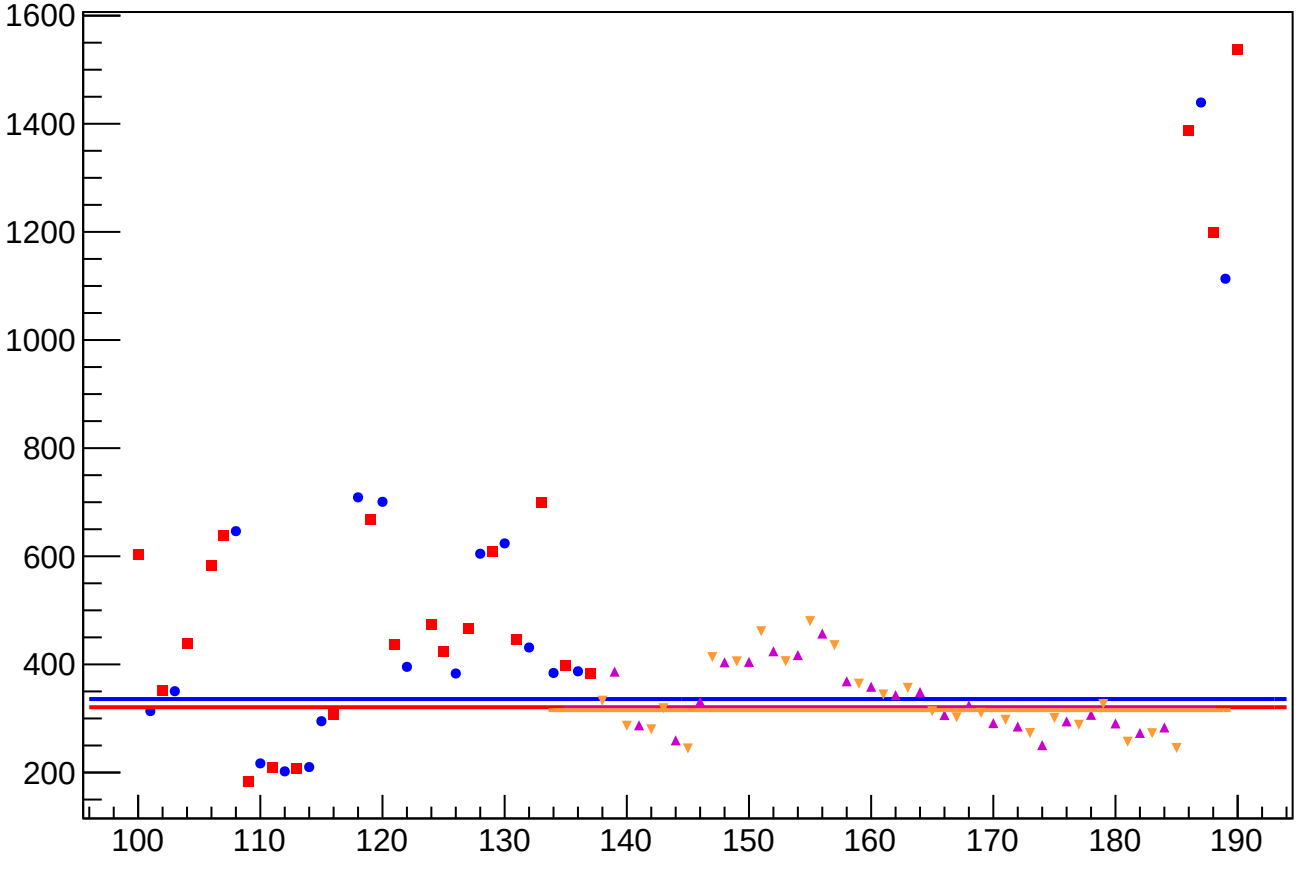
Right: -121.158+/-89.773 χ^2/NDF: 36.9/39

In: 59.254+/-65.541 χ^2/NDF:49.7/40

Out: 203.115+/-62.809 χ^2/NDF:88.9/46

All: 134.245+/-45.348 χ^2/NDF: 141.2/87

asym_sam7_rms vs Slug, Sign Corrected



Right In: 335.909+/-0.093 χ^2/NDF: 2686550.2/17

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 320.768+/-0.087 χ^2/NDF: 4443571.2/21

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

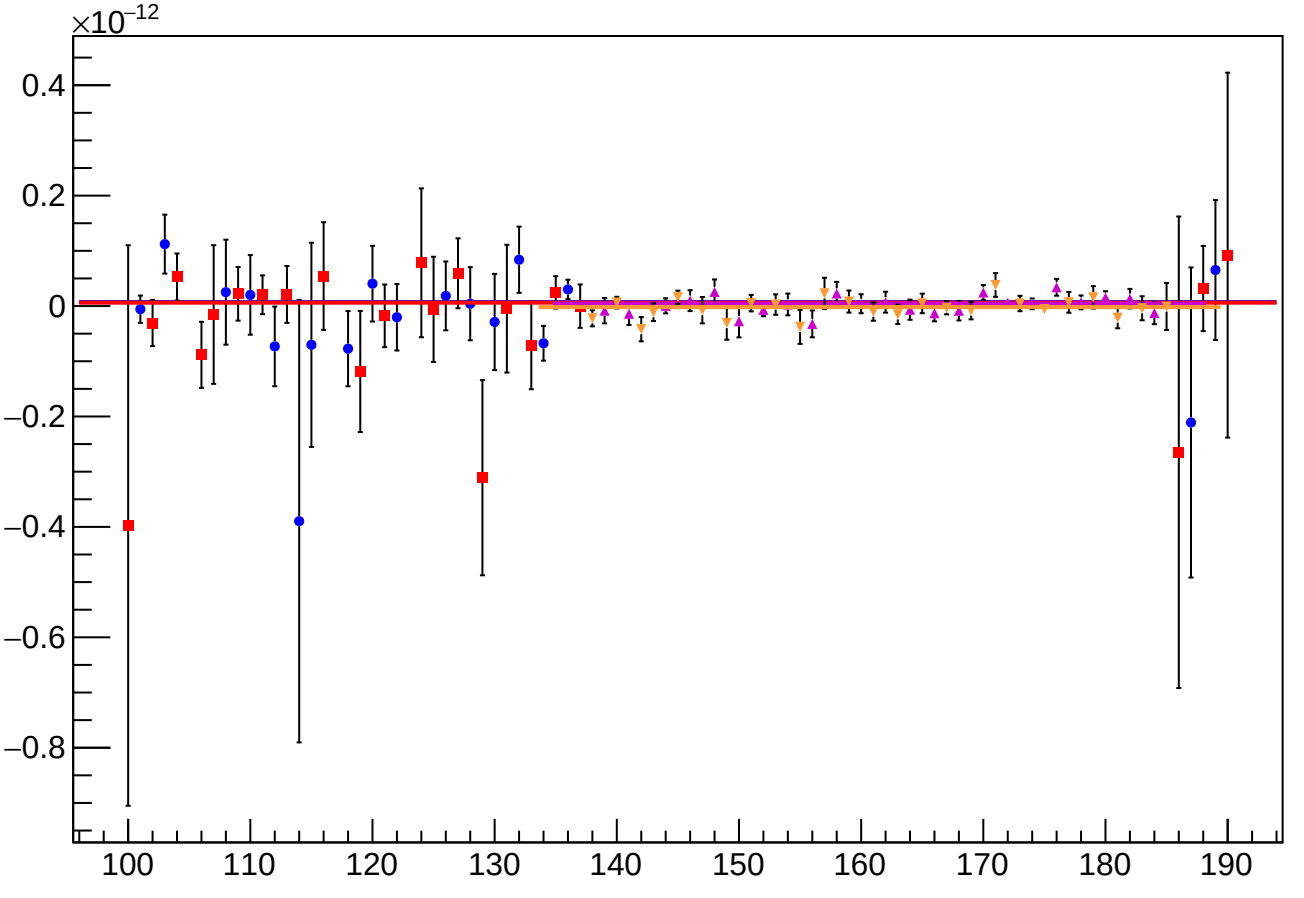
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 327.841+/-0.063 χ^2/NDF: 7144283.5/39

In: 322.976+/-0.046 χ^2/NDF:3703973.4/40

Out: 316.797+/-0.044 χ^2/NDF:5656498.3/46

All: 319.755+/-0.032 χ^2/NDF: 9369737.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.4/21

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

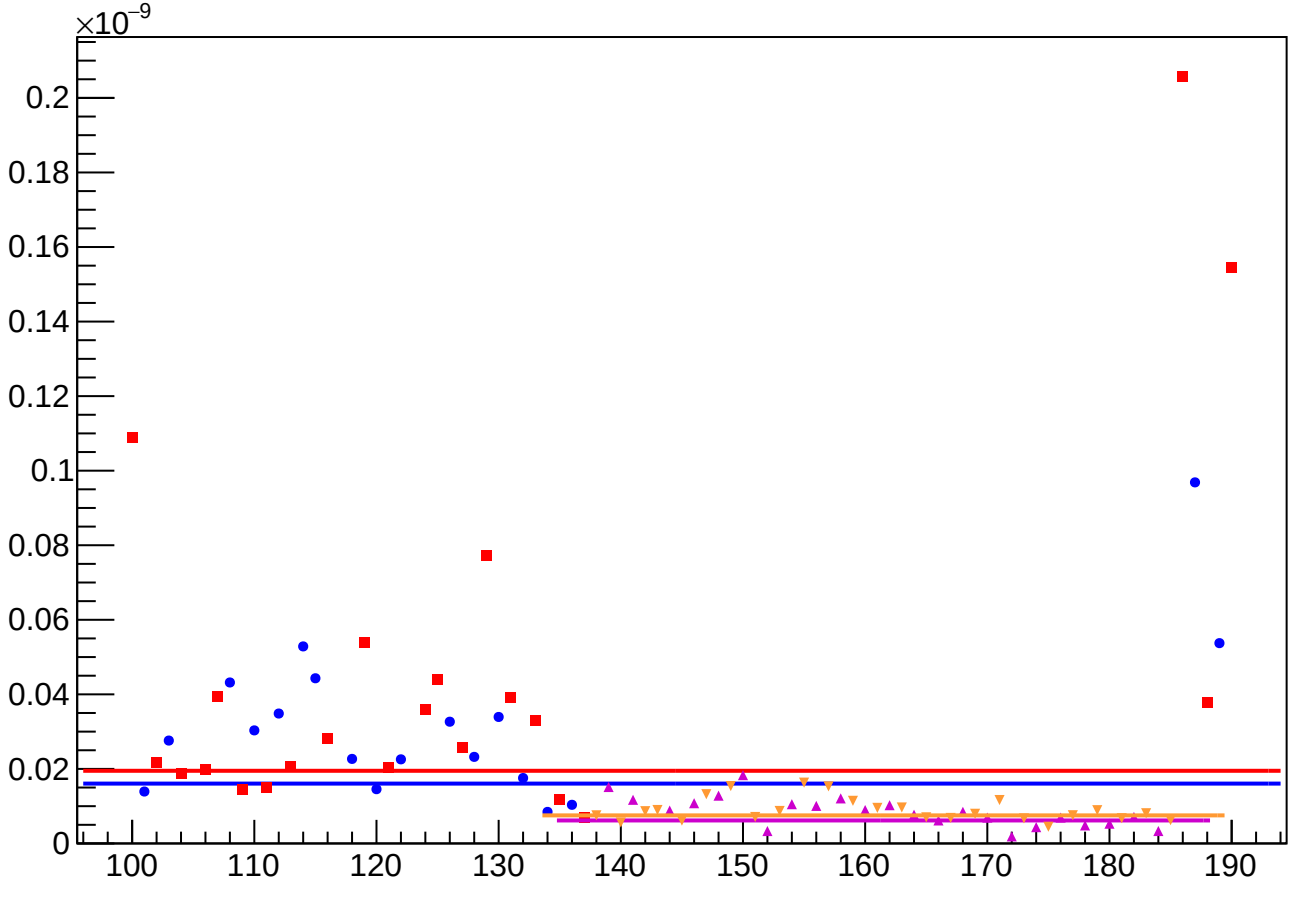
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 31.9/39

In: 0.000+/-0.000 χ^2/NDF:36.2/40

Out: -0.000+/-0.000 χ^2/NDF:32.8/46

All: 0.000+/-0.000 χ^2/NDF: 71.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 1509515.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2066424.7/21

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

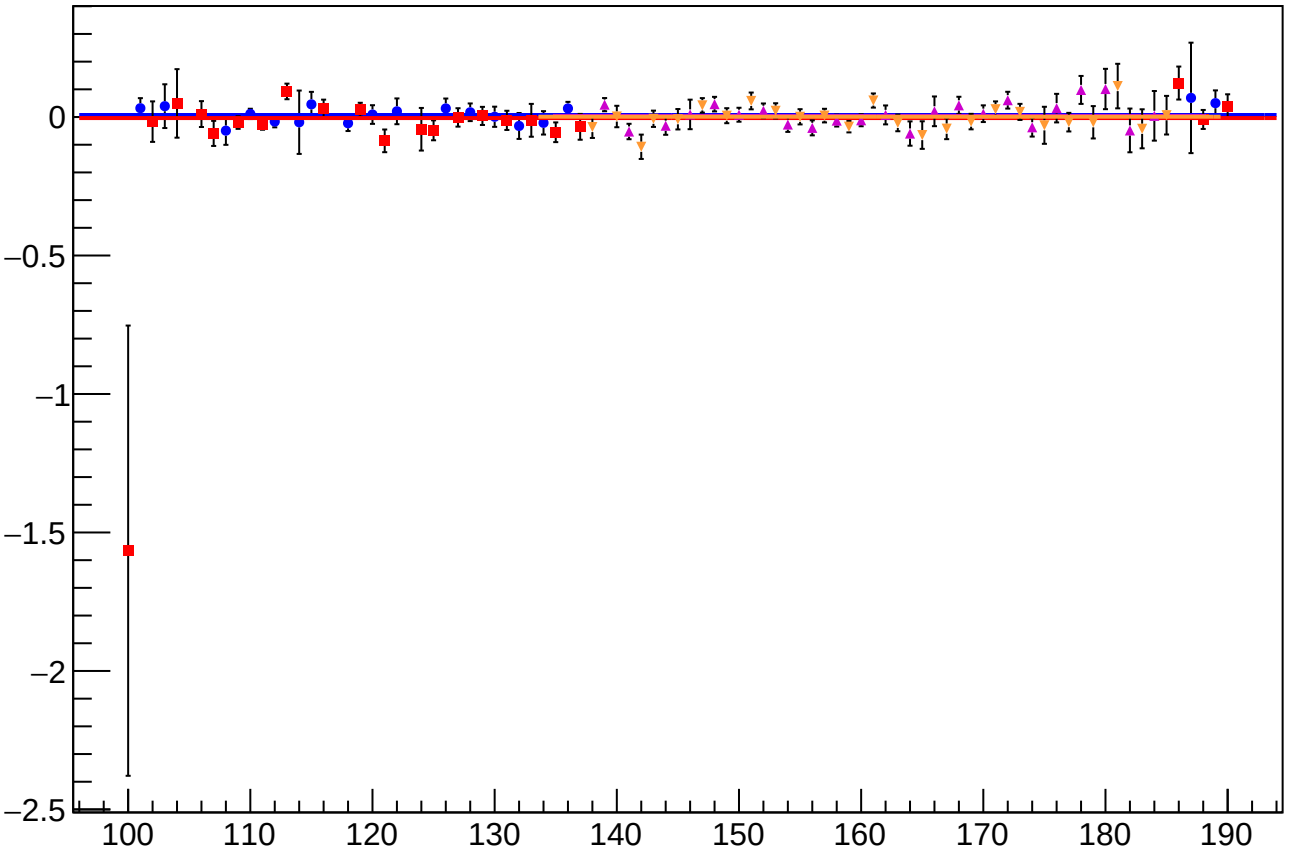
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3660648.5/39

In: 0.000+/-0.000 χ^2/NDF:5822178.2/40

Out: 0.000+/-0.000 χ^2/NDF:4955029.4/46

All: 0.000+/-0.000 χ^2/NDF: 10988937.6/87



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.008 χ^2/NDF: 35.5/21

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

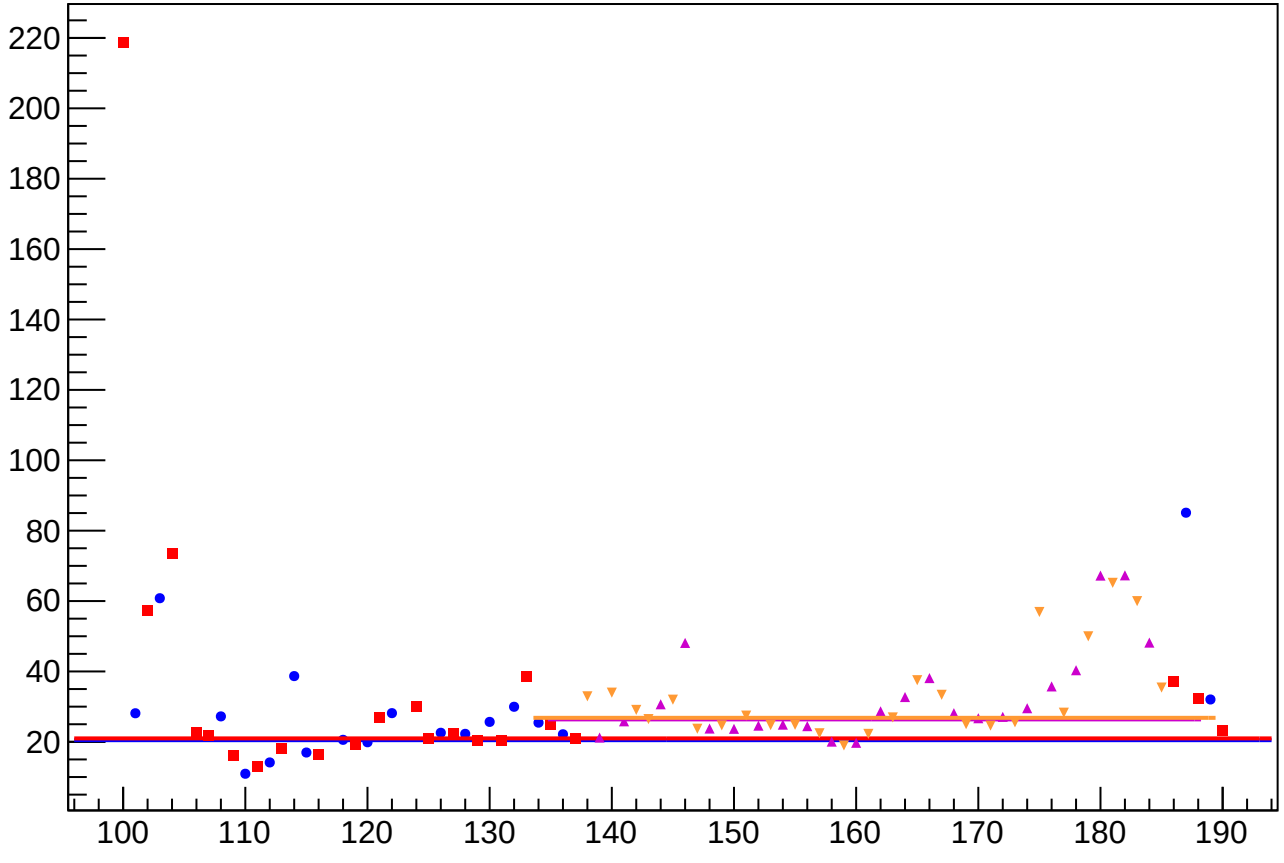
Right: 0.002+/-0.006 χ^2/NDF: 45.4/39

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:66.0/46

All: 0.002+/-0.004 χ^2/NDF: 106.9/87

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.473+/-0.006 χ^2/NDF: 1984569.0/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.978+/-0.005 χ^2/NDF: 2121200.2/21

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

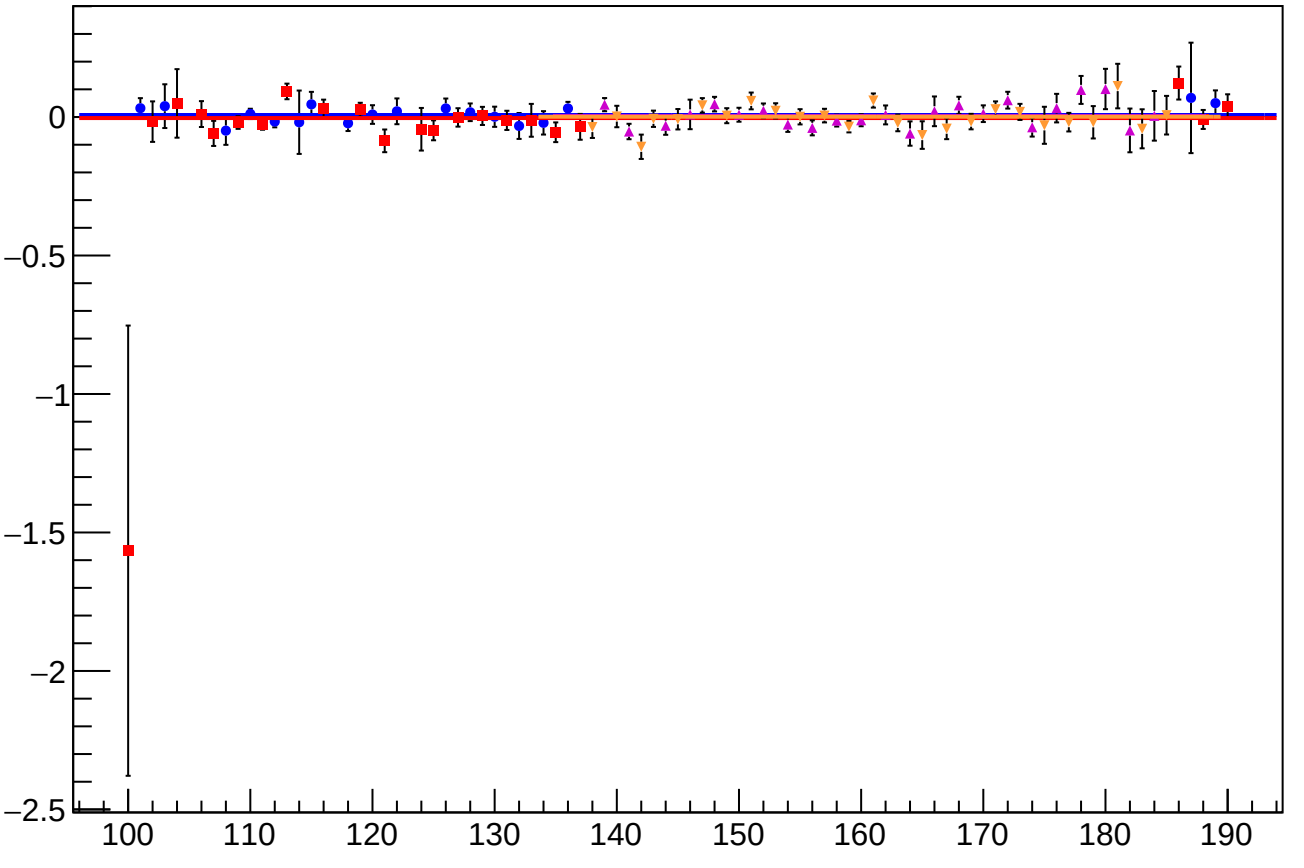
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.737+/-0.004 χ^2/NDF: 4109895.4/39

In: 23.997+/-0.004 χ^2/NDF:5195253.1/40

Out: 24.386+/-0.004 χ^2/NDF:5265410.3/46

All: 24.197+/-0.003 χ^2/NDF: 10466637.3/87



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.008 χ^2/NDF: 35.5/21

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

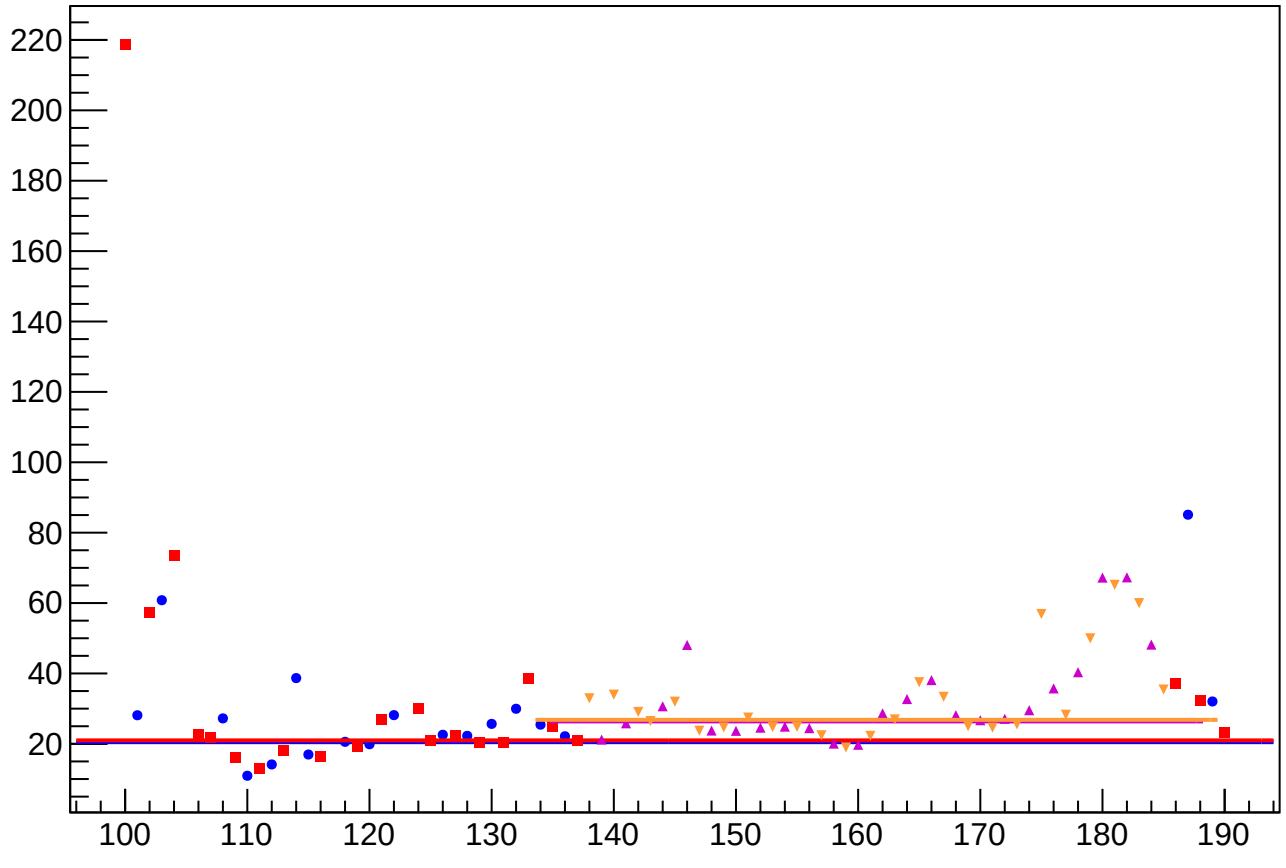
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.002+/-0.006 χ^2/NDF: 45.4/39

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:66.0/46

All: 0.002+/-0.004 χ^2/NDF: 106.9/87



Right In: 20.473+/-0.006 χ^2/NDF: 1984569.0/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.978+/-0.005 χ^2/NDF: 2121200.2/21

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

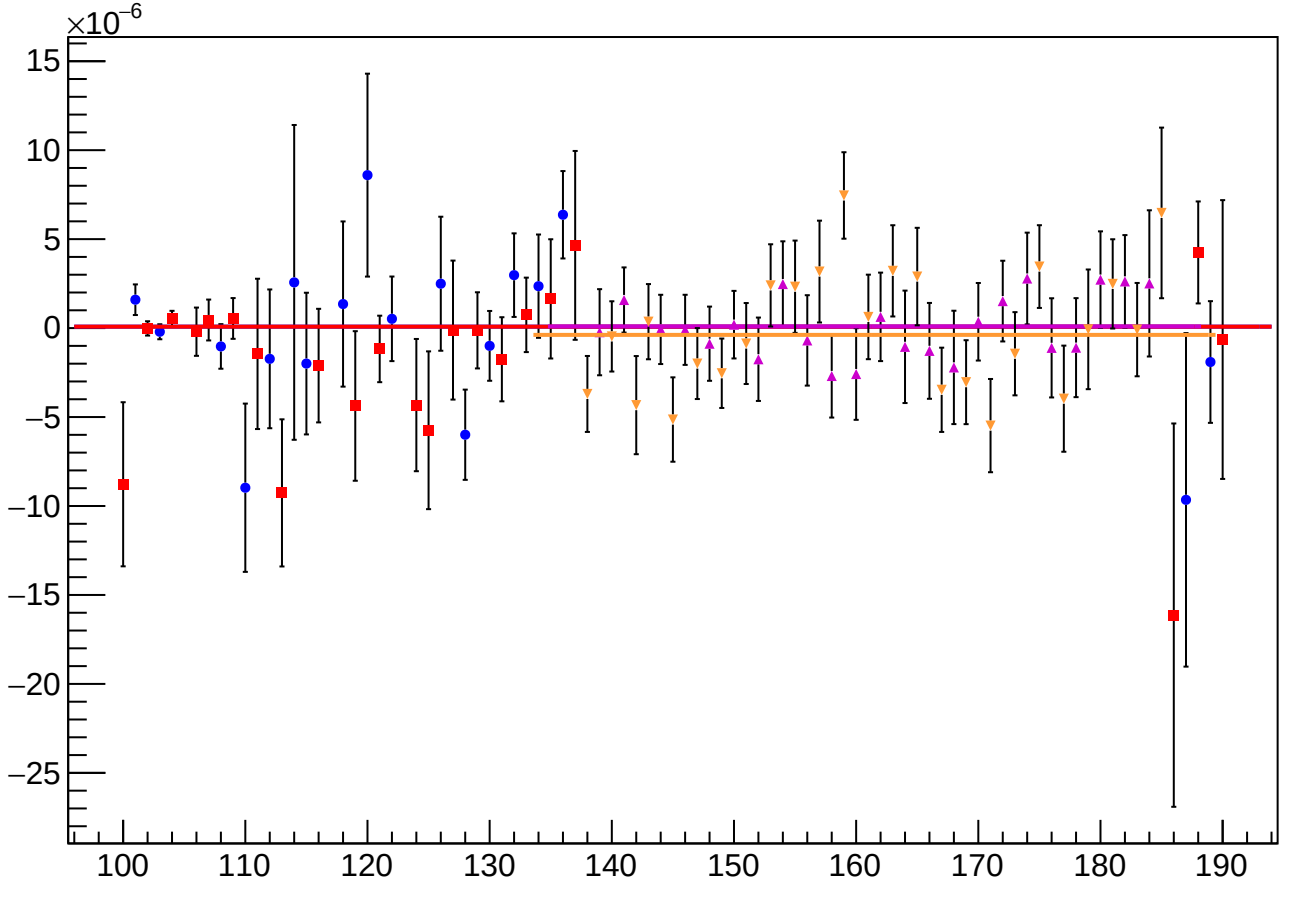
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.737+/-0.004 χ^2/NDF: 4109895.4/39

In: 23.997+/-0.004 χ^2/NDF:5195253.1/40

Out: 24.386+/-0.004 χ^2/NDF:5265410.3/46

All: 24.197+/-0.003 χ^2/NDF: 10466637.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/21

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

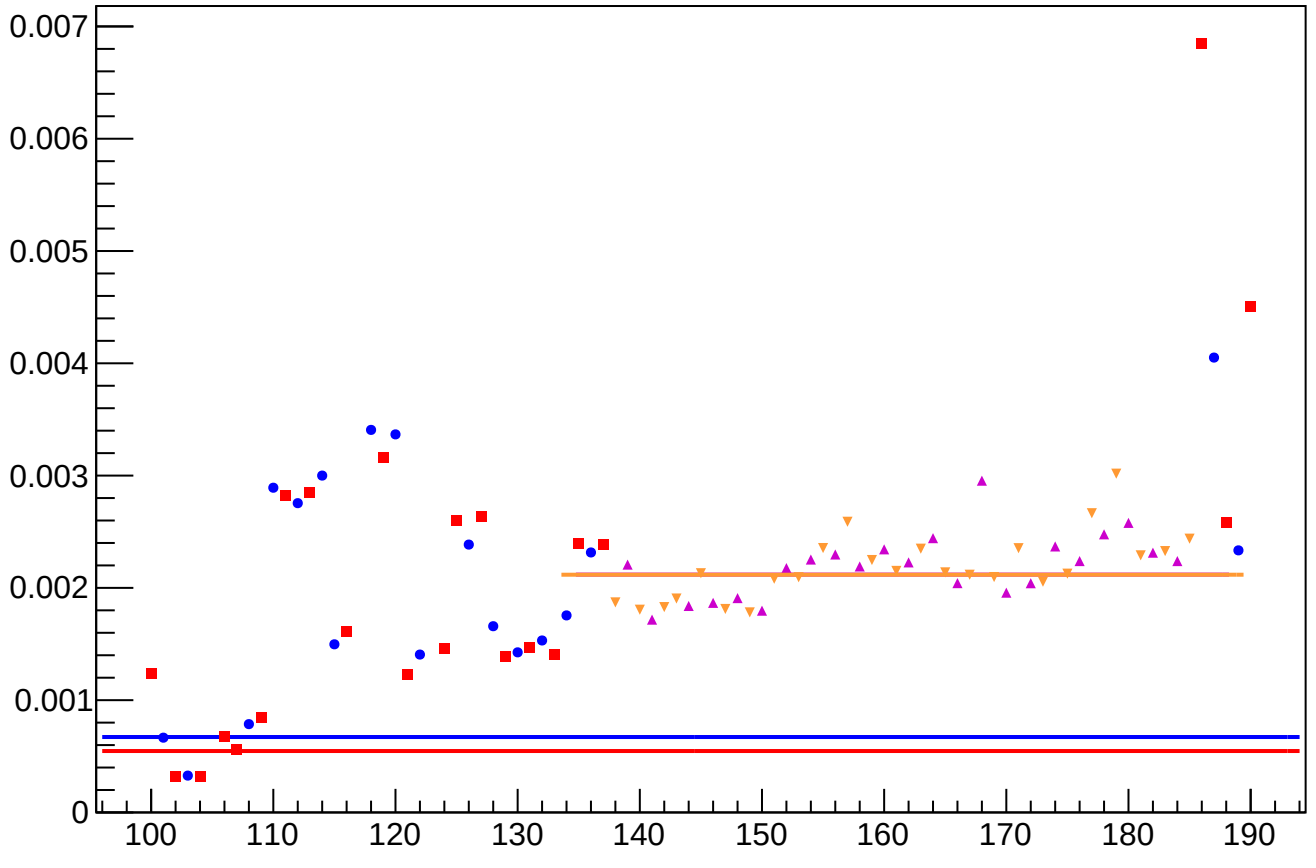
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/39

In: 0.000+/-0.000 χ^2/NDF:37.6/40

Out: -0.000+/-0.000 χ^2/NDF:65.3/46

All: 0.000+/-0.000 χ^2/NDF: 103.1/87



Right In: 0.001+/-0.000 χ^2/NDF: 7097056.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8898507.6/21

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

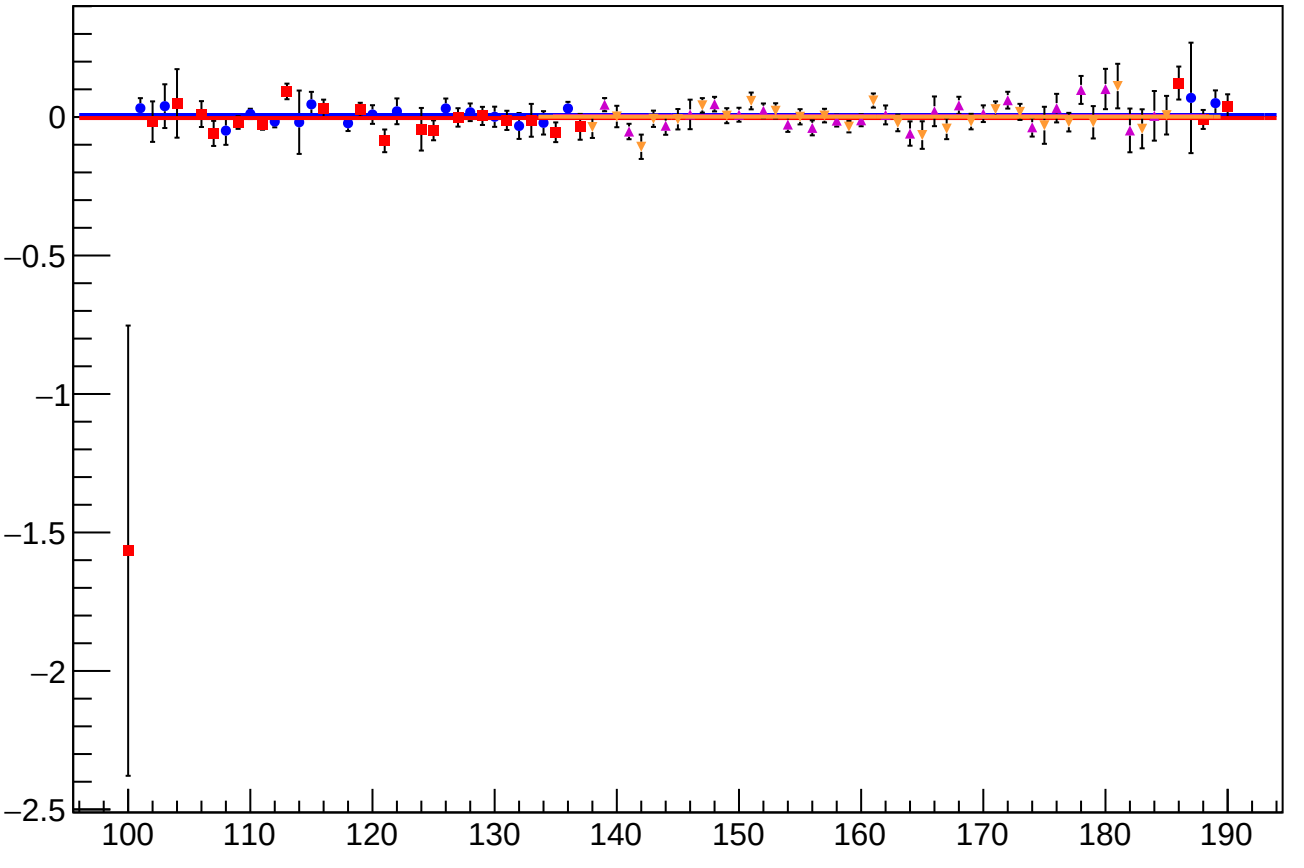
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 16171428.4/39

In: 0.001+/-0.000 χ^2/NDF:19301168.5/40

Out: 0.001+/-0.000 χ^2/NDF:25713210.5/46

All: 0.001+/-0.000 χ^2/NDF: 45763736.7/87



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.008 χ^2/NDF: 35.5/21

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

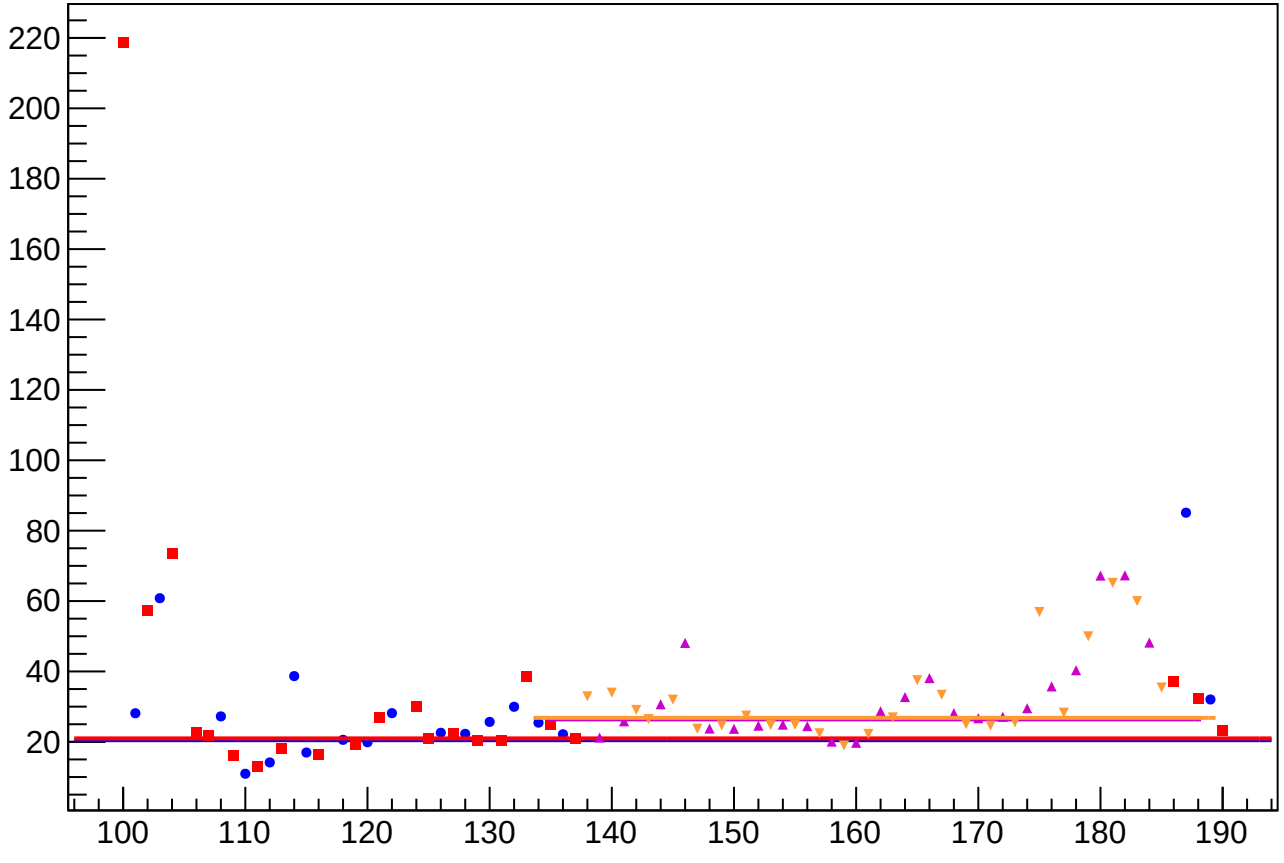
Right: 0.002+/-0.006 χ^2/NDF: 45.4/39

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:66.0/46

All: 0.002+/-0.004 χ^2/NDF: 106.9/87

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.473+/-0.006 χ^2/NDF: 1984390.3/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.978+/-0.005 χ^2/NDF: 2121091.9/21

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

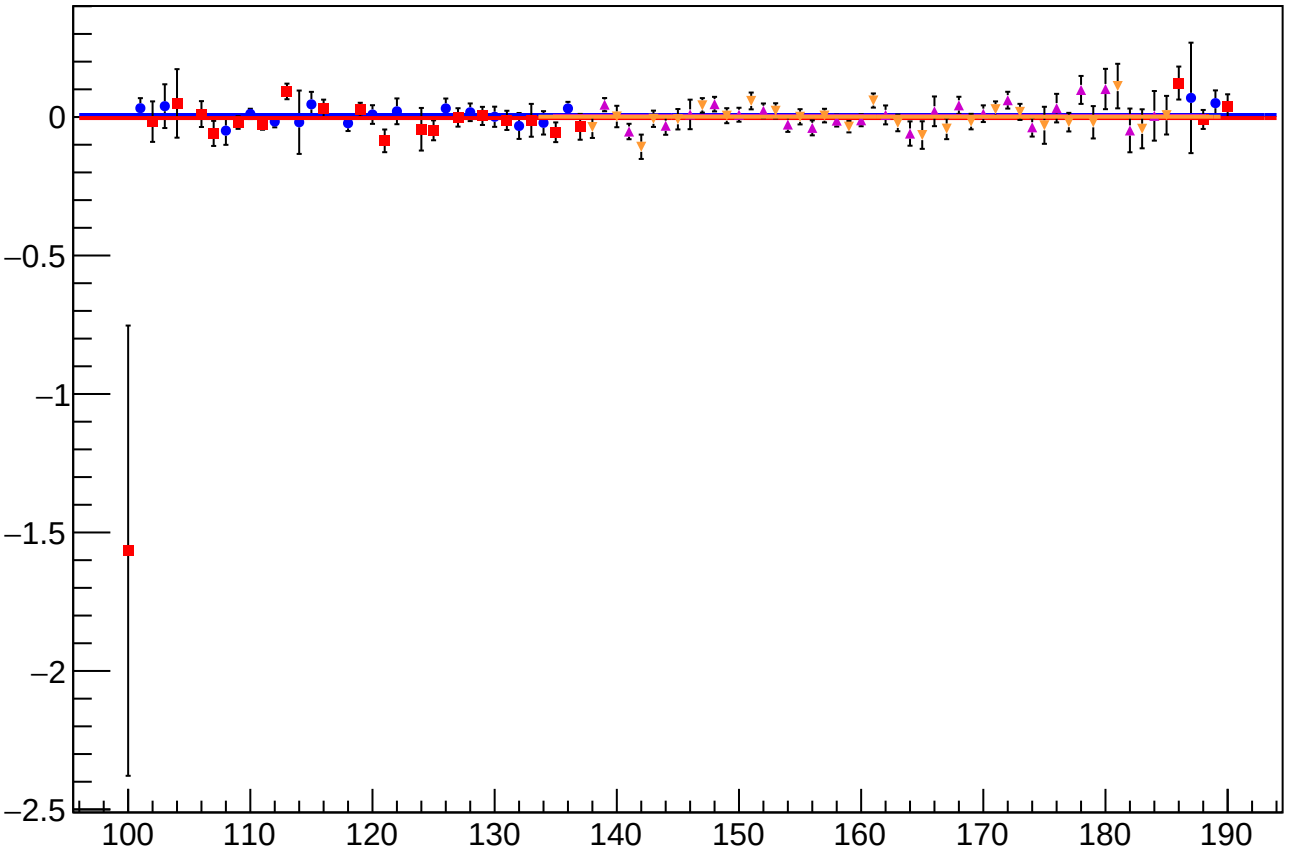
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.737+/-0.004 χ^2/NDF: 4109602.9/39

In: 23.997+/-0.004 χ^2/NDF:5195032.6/40

Out: 24.386+/-0.004 χ^2/NDF:5265318.1/46

All: 24.197+/-0.003 χ^2/NDF: 10466320.0/87



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.008 χ^2/NDF: 35.5/21

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

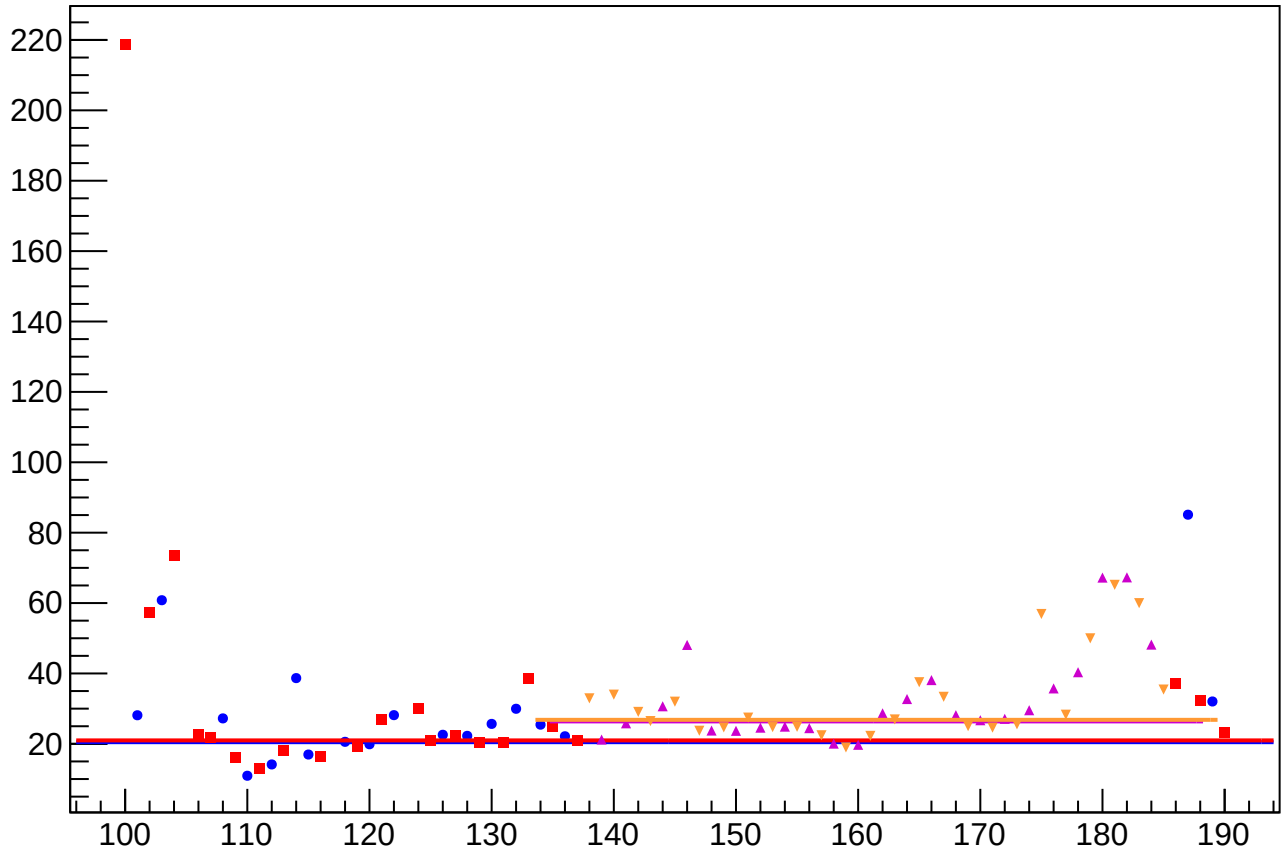
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.002+/-0.006 χ^2/NDF: 45.4/39

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:66.0/46

All: 0.002+/-0.004 χ^2/NDF: 106.9/87



Right In: 20.473+/-0.006 χ^2/NDF: 1984390.3/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.978+/-0.005 χ^2/NDF: 2121091.9/21

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

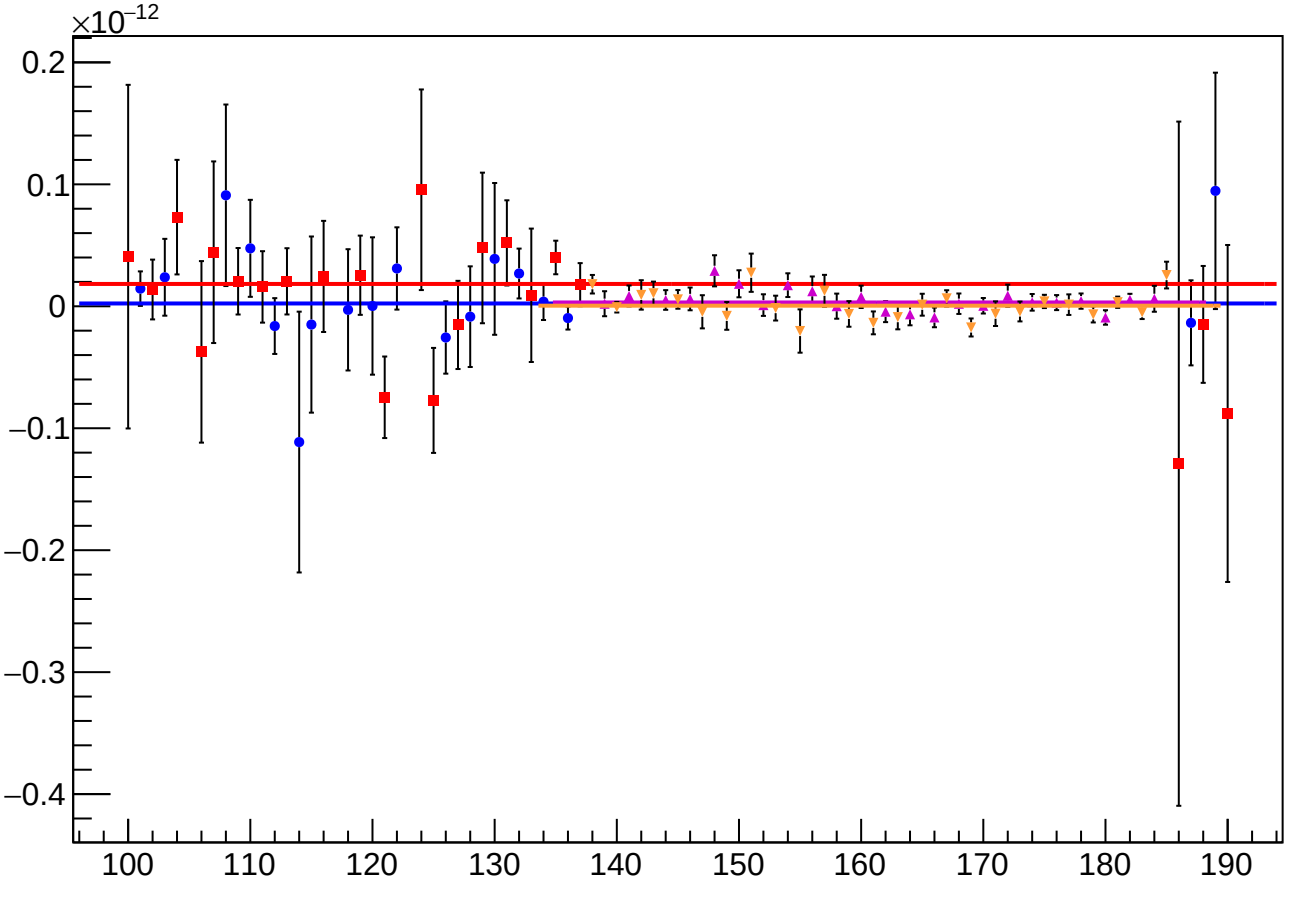
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.737+/-0.004 χ^2/NDF: 4109602.9/39

In: 23.997+/-0.004 χ^2/NDF:5195032.6/40

Out: 24.386+/-0.004 χ^2/NDF:5265318.1/46

All: 24.197+/-0.003 χ^2/NDF: 10466320.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 12.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/21

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

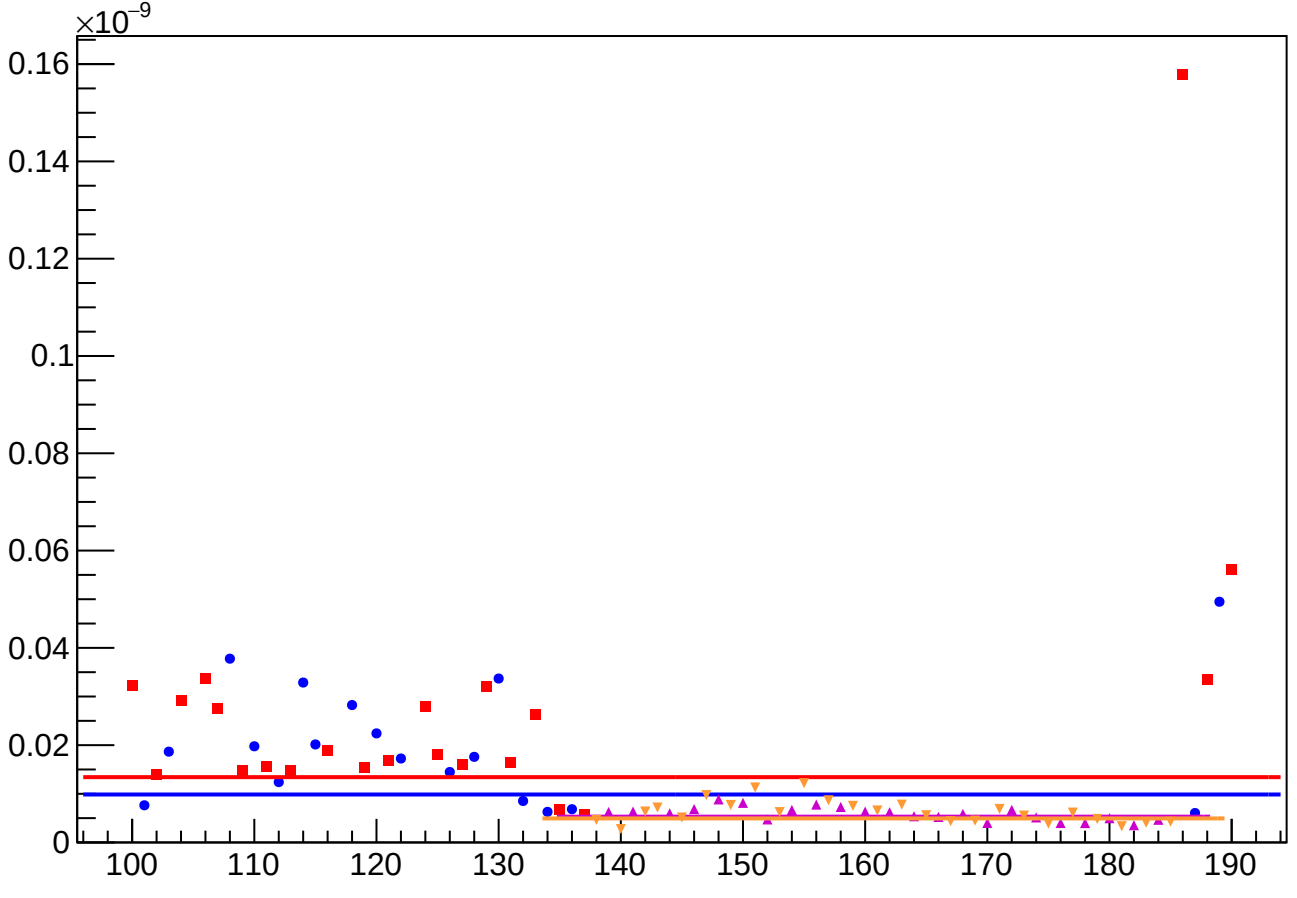
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 36.8/39

In: 0.000+/-0.000 χ^2/NDF:31.1/40

Out: 0.000+/-0.000 χ^2/NDF:60.4/46

All: 0.000+/-0.000 χ^2/NDF: 92.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 2335286.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2889162.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

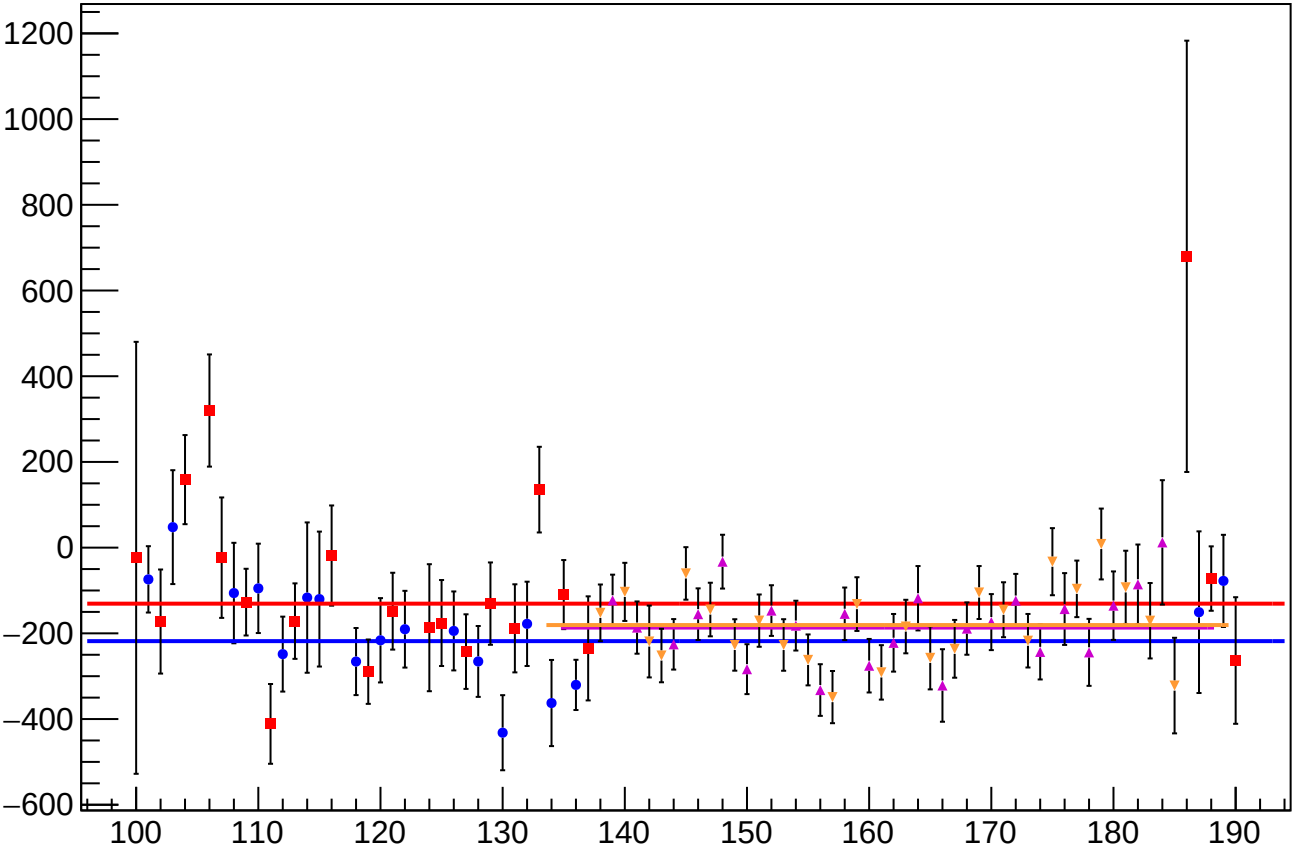
Right: 0.000+/-0.000 χ^2/NDF: 5541520.6/39

In: 0.000+/-0.000 χ^2/NDF:4786522.7/40

Out: 0.000+/-0.000 χ^2/NDF:8456558.6/46

All: 0.000+/-0.000 χ^2/NDF: 13285461.3/87

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -130.734+/-21.895 χ^2/NDF: 49.3/21

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

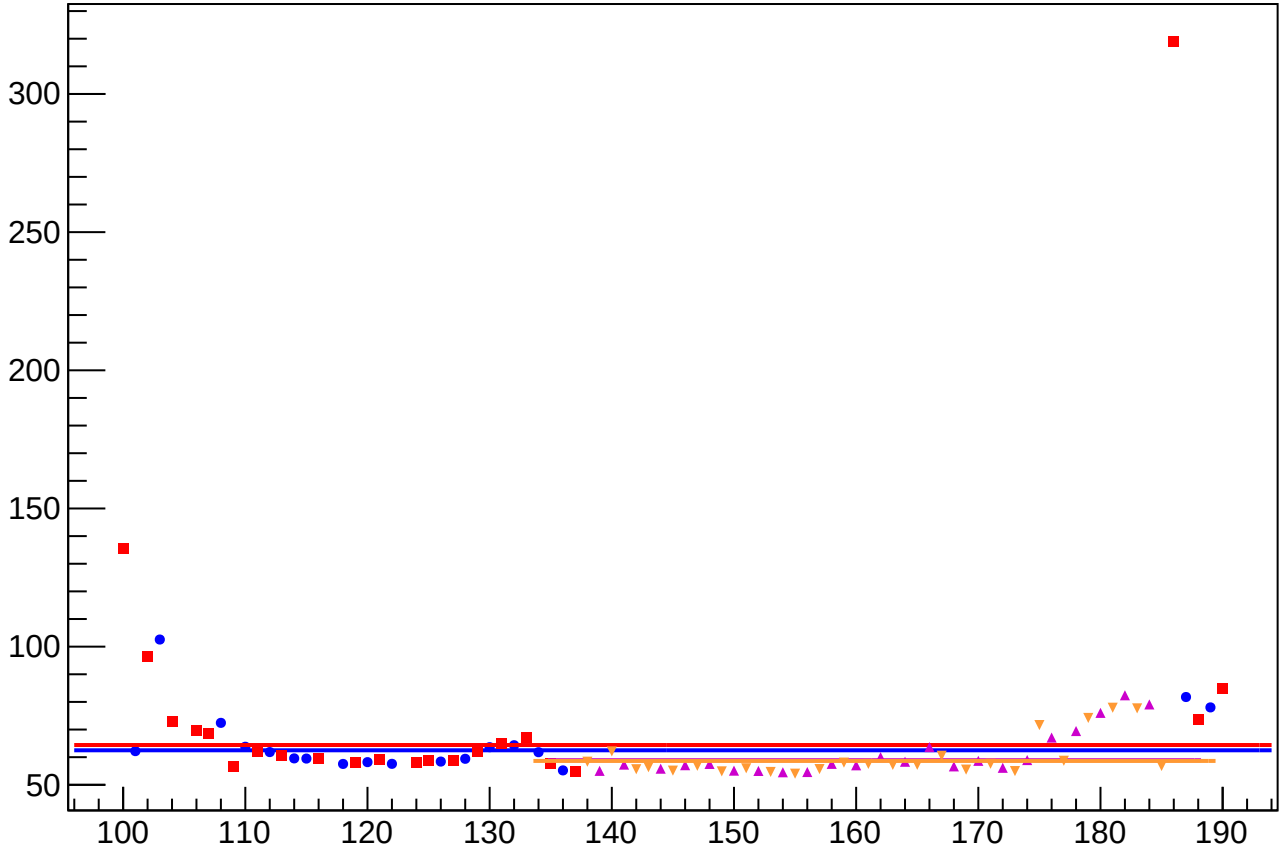
Right: -173.380+/-15.672 χ^2/NDF: 81.6/39

In: -195.296+/-11.792 χ^2/NDF:55.0/40

Out: -167.046+/-11.441 χ^2/NDF:91.7/46

All: -180.744+/-8.211 χ^2/NDF: 149.6/87

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 62.493+/-0.016 χ^2/NDF: 317006.3/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 64.400+/-0.015 χ^2/NDF: 875336.1/21

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

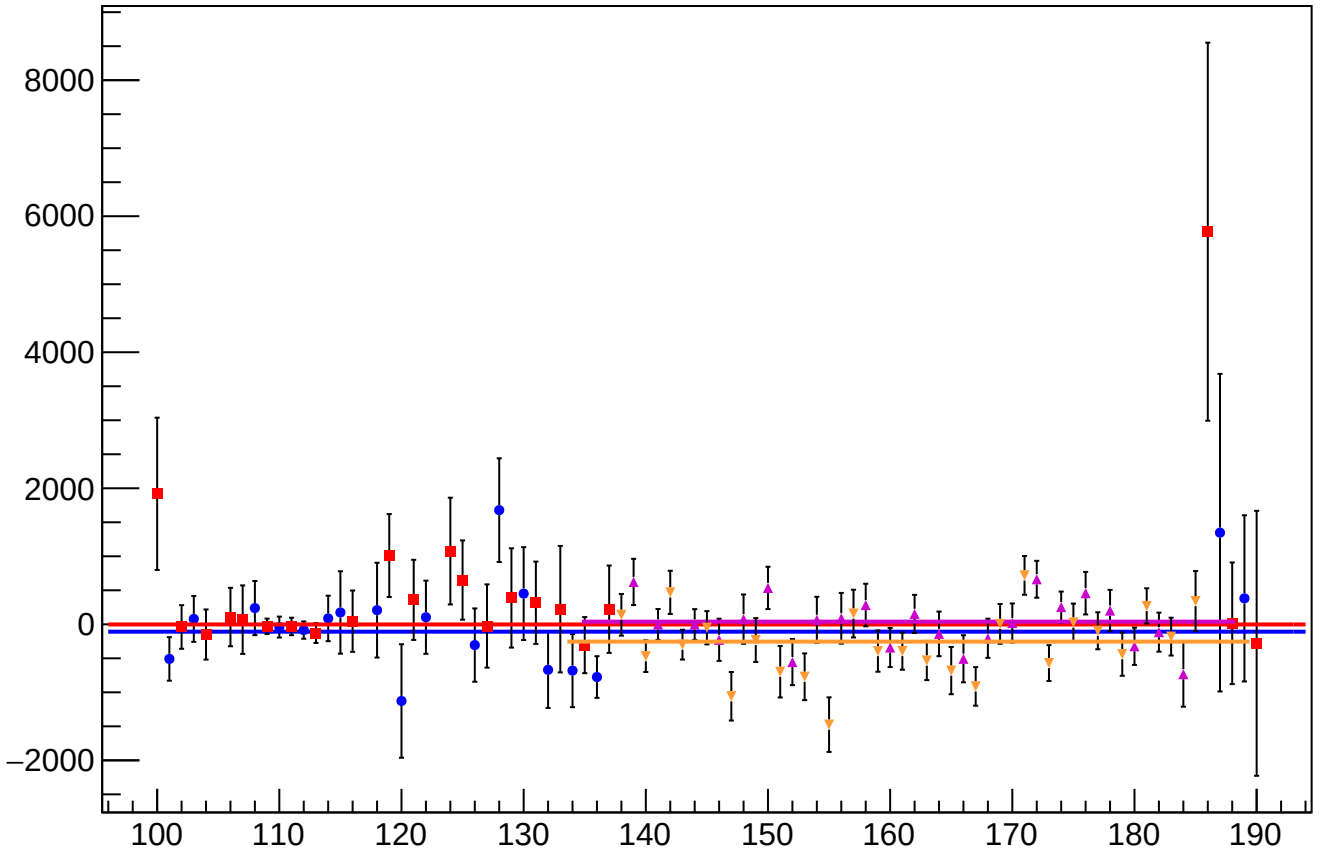
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 63.470+/-0.011 χ^2/NDF: 1199740.0/39

In: 59.896+/-0.008 χ^2/NDF:740804.8/40

Out: 60.215+/-0.008 χ^2/NDF:1369689.4/46

All: 60.061+/-0.006 χ^2/NDF: 2111248.2/87



Right In: -108.426+/-76.024 χ^2/NDF: 19.0/17

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.047+/-63.719 χ^2/NDF: 16.0/21

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

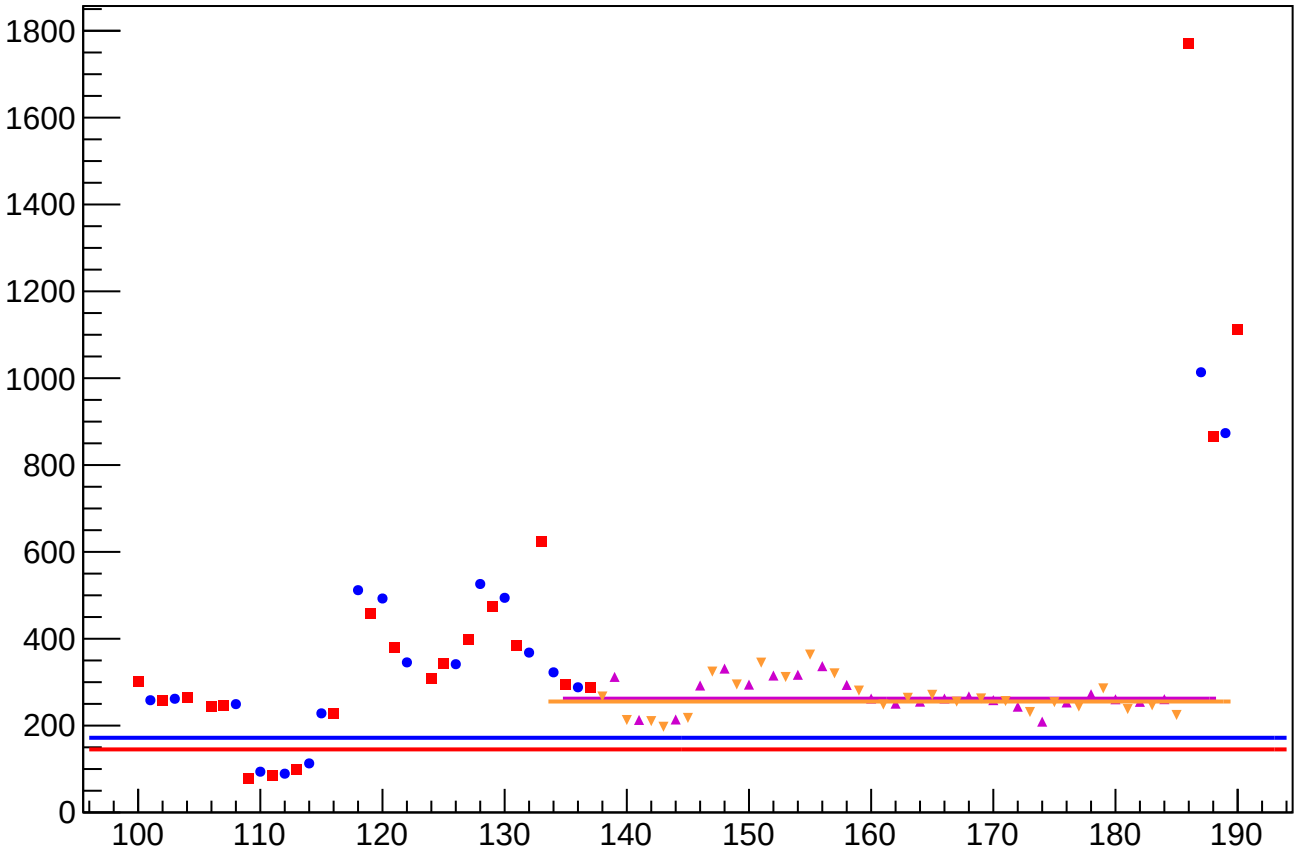
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -45.941+/-48.834 χ^2/NDF: 36.1/39

In: -19.665+/-47.993 χ^2/NDF:49.6/40

Out: -138.298+/-43.243 χ^2/NDF:82.1/46

All: -85.142+/-32.126 χ^2/NDF: 135.1/87



Right In: 171.957+/-0.054 χ^2/NDF: 5468190.5/17

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 145.187+/-0.045 χ^2/NDF: 7649308.6/21

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

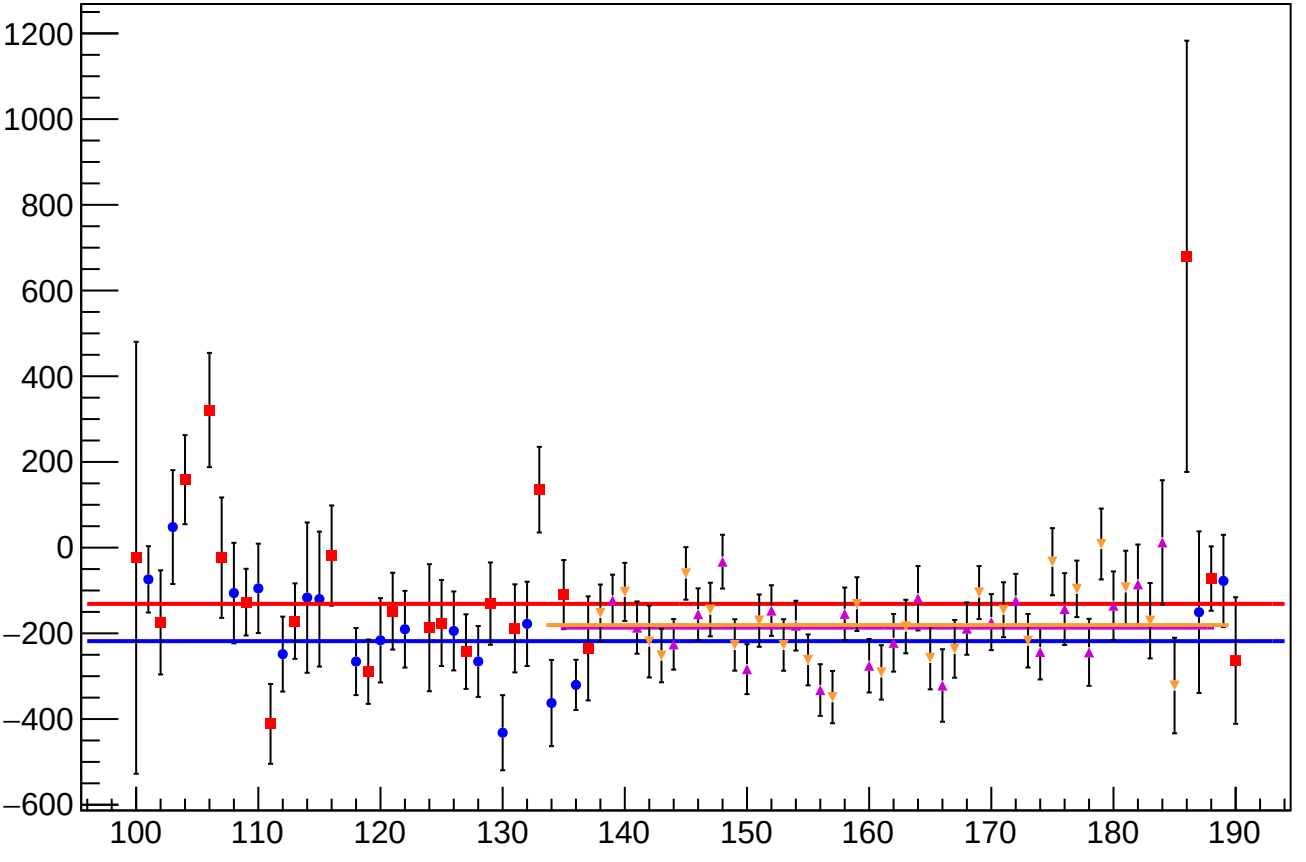
Right: 156.233+/-0.035 χ^2/NDF: 13263163.4/39

In: 226.120+/-0.034 χ^2/NDF:7826534.5/40

Out: 204.677+/-0.031 χ^2/NDF:11745019.1/46

All: 214.285+/-0.023 χ^2/NDF: 19791906.0/87

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -131.220+/-21.906 χ^2/NDF: 48.9/21

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

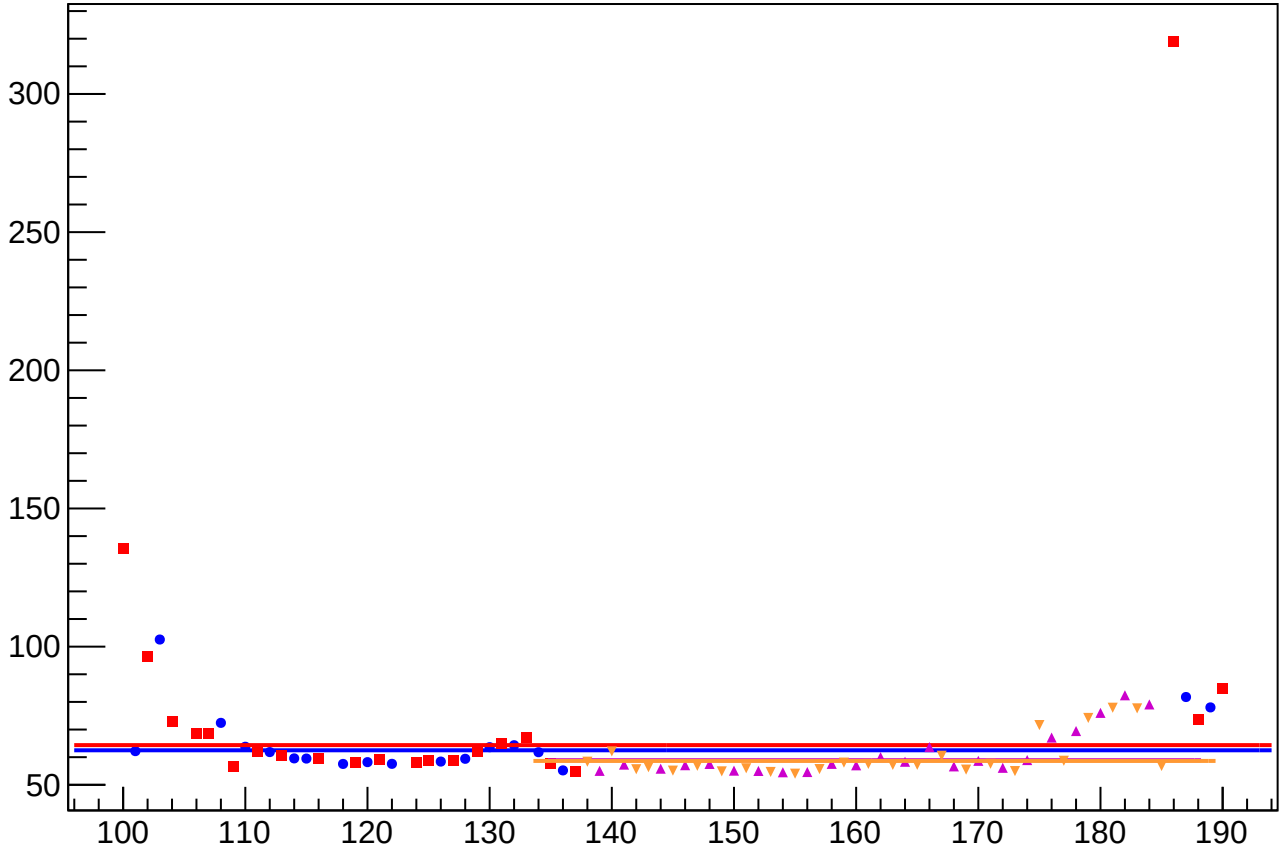
Right: -173.651+/-15.676 χ^2/NDF: 81.2/39

In: -195.297+/-11.792 χ^2/NDF:55.0/40

Out: -167.185+/-11.442 χ^2/NDF:91.2/46

All: -180.818+/-8.212 χ^2/NDF: 149.2/87

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 62.493+/-0.016 χ^2/NDF: 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 64.363+/-0.015 χ^2/NDF: 874197.5/21

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

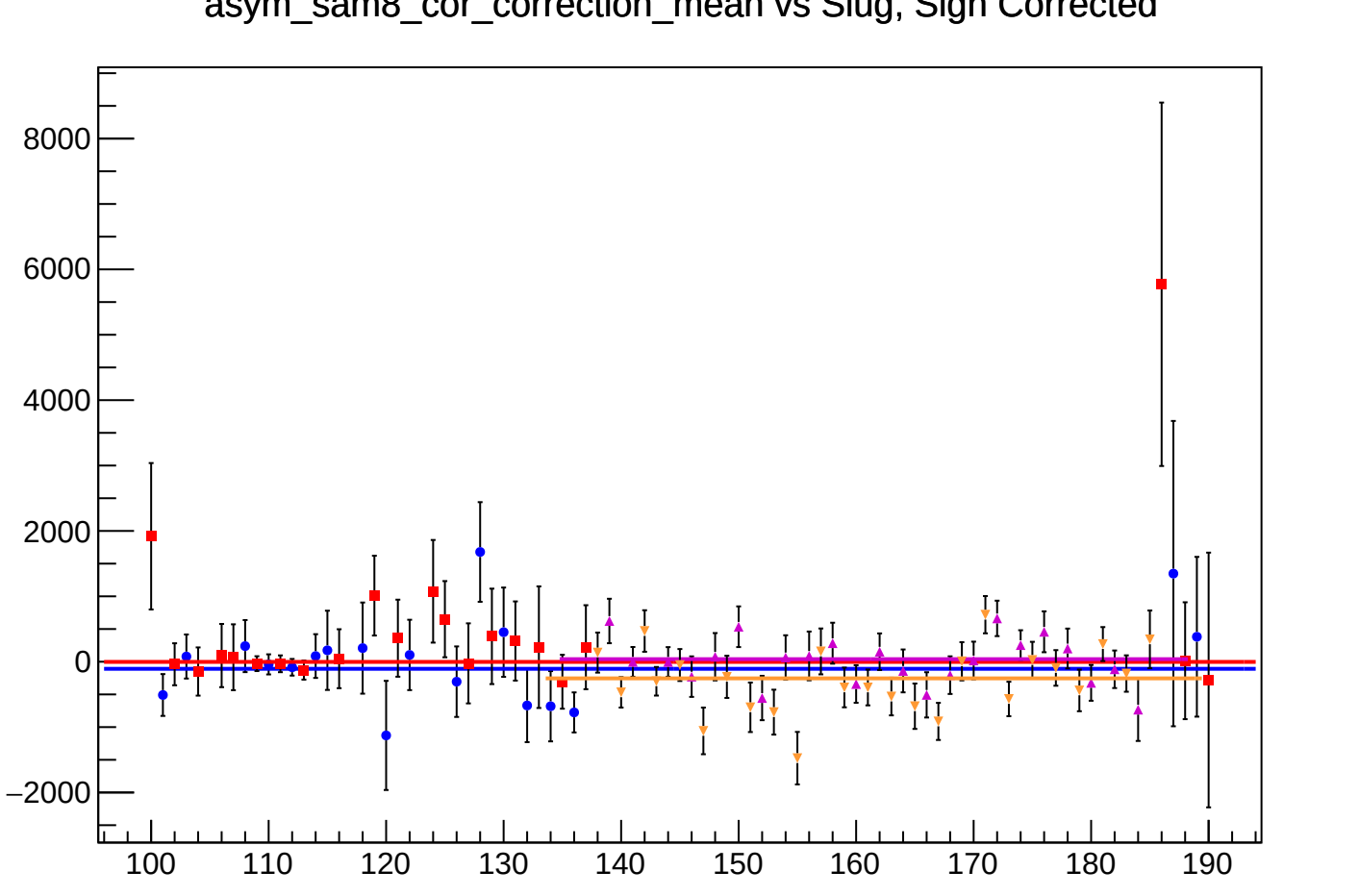
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

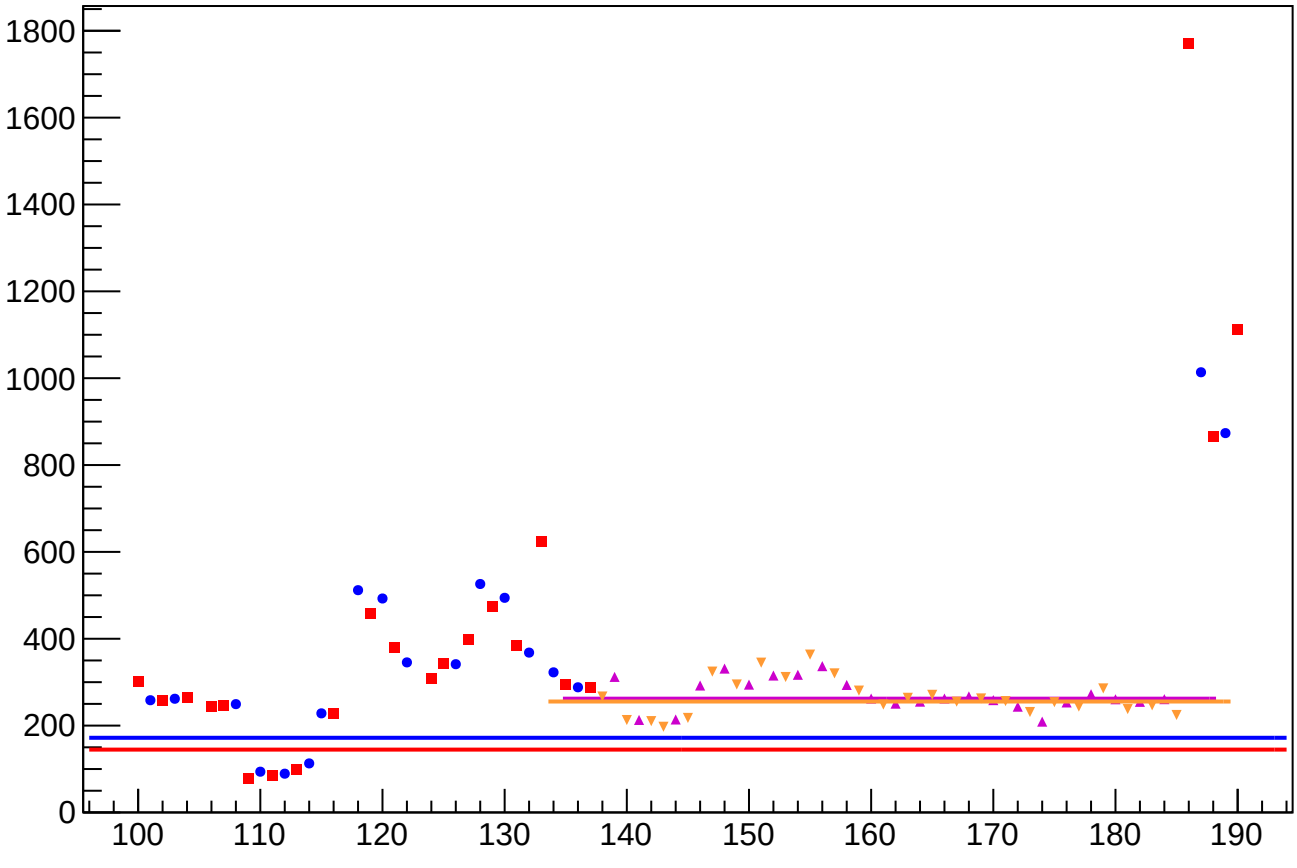
Right: 63.451+/-0.011 χ^2/NDF: 1198320.6/39

In: 59.896+/-0.008 χ^2/NDF:740807.4/40

Out: 60.204+/-0.008 χ^2/NDF:1367209.7/46

All: 60.055+/-0.006 χ^2/NDF: 2108719.4/87


asym_sam8_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: -108.408+/-76.025 χ²/NDF: 19.0/17
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: -2.752+/-63.869 χ²/NDF: 16.0/21
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -46.468+/-48.902 χ²/NDF: 36.1/39
In: -19.659+/-47.993 χ²/NDF:49.6/40
Out: -138.917+/-43.290 χ²/NDF:82.0/46
All: -85.417+/-32.145 χ²/NDF: 135.0/87



Right In: 171.957+/-0.054 χ^2/NDF: 5468243.7/17

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 144.728+/-0.045 χ^2/NDF: 7627769.3/21

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

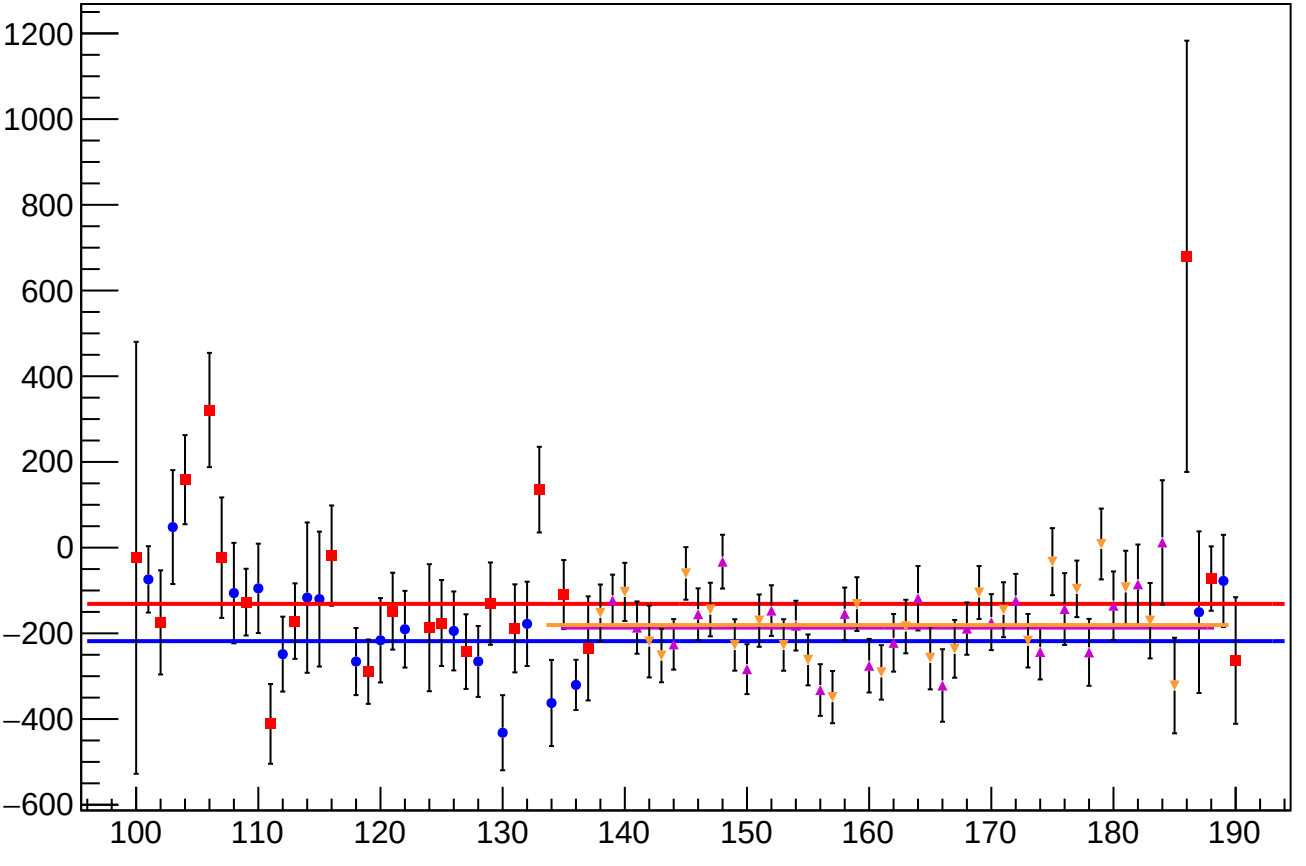
Right: 155.994+/-0.035 χ^2/NDF: 13246424.6/39

In: 226.120+/-0.034 χ^2/NDF:7826564.5/40

Out: 204.596+/-0.031 χ^2/NDF:11742134.2/46

All: 214.252+/-0.023 χ^2/NDF: 19790521.3/87

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -131.220+/-21.906 χ^2/NDF: 48.9/21

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

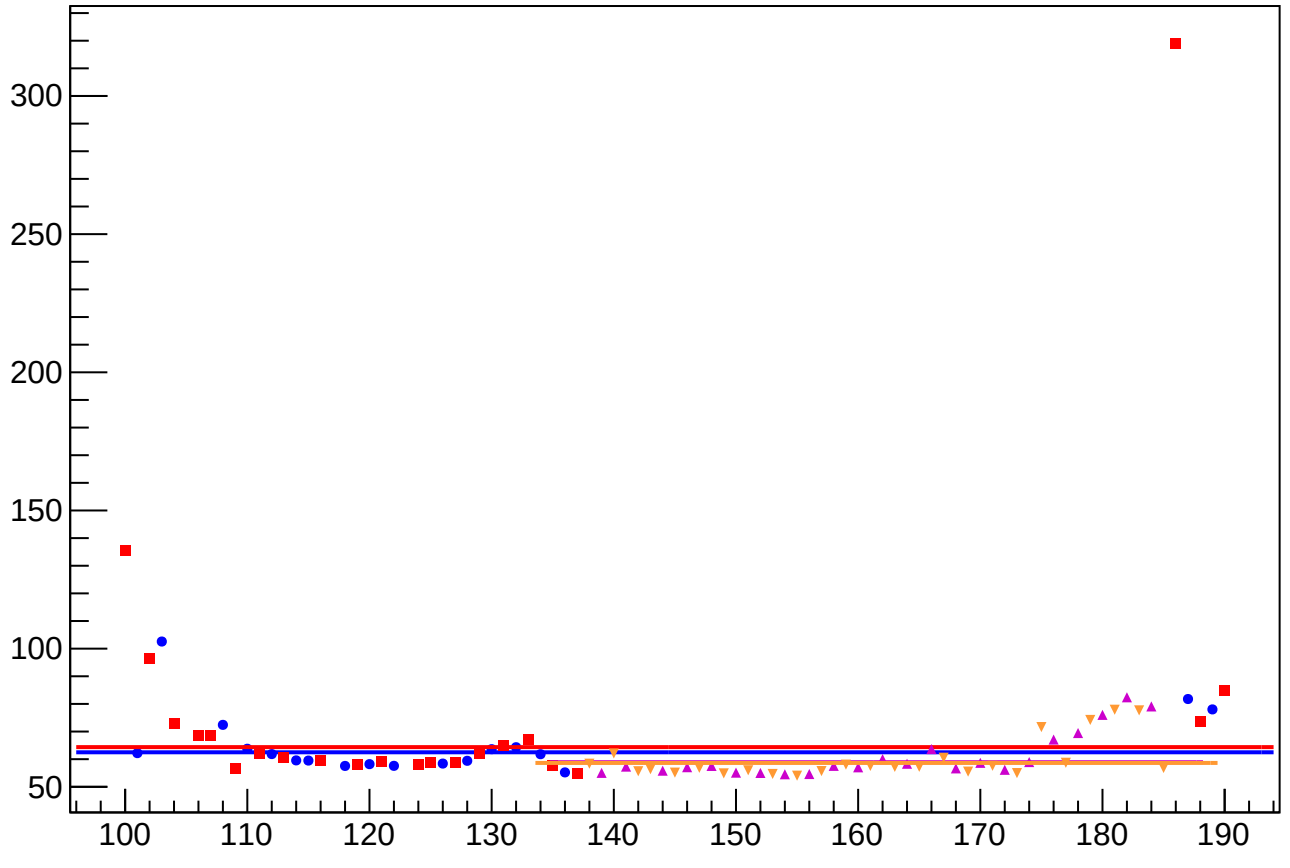
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -173.651+/-15.676 χ^2/NDF: 81.2/39

In: -195.297+/-11.792 χ^2/NDF:55.0/40

Out: -167.185+/-11.442 χ^2/NDF:91.2/46

All: -180.818+/-8.212 χ^2/NDF: 149.2/87



Right In: 62.493+/-0.016 χ^2/NDF: 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 64.363+/-0.015 χ^2/NDF: 874197.5/21

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

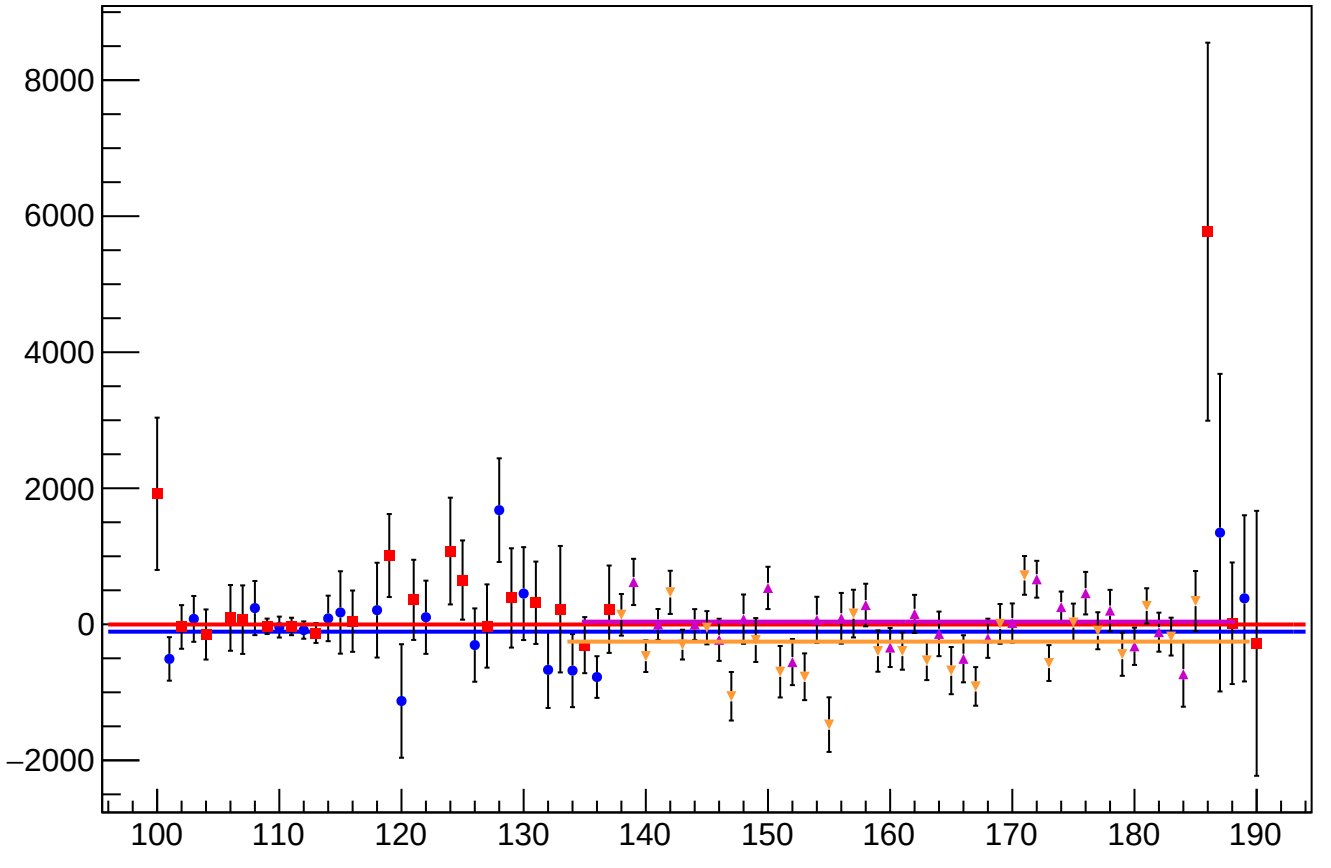
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 63.451+/-0.011 χ^2/NDF: 1198320.6/39

In: 59.896+/-0.008 χ^2/NDF:740807.4/40

Out: 60.204+/-0.008 χ^2/NDF:1367209.7/46

All: 60.055+/-0.006 χ^2/NDF: 2108719.4/87



Right In: -108.408+/-76.025 χ^2/NDF: 19.0/17

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.752+/-63.869 χ^2/NDF: 16.0/21

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

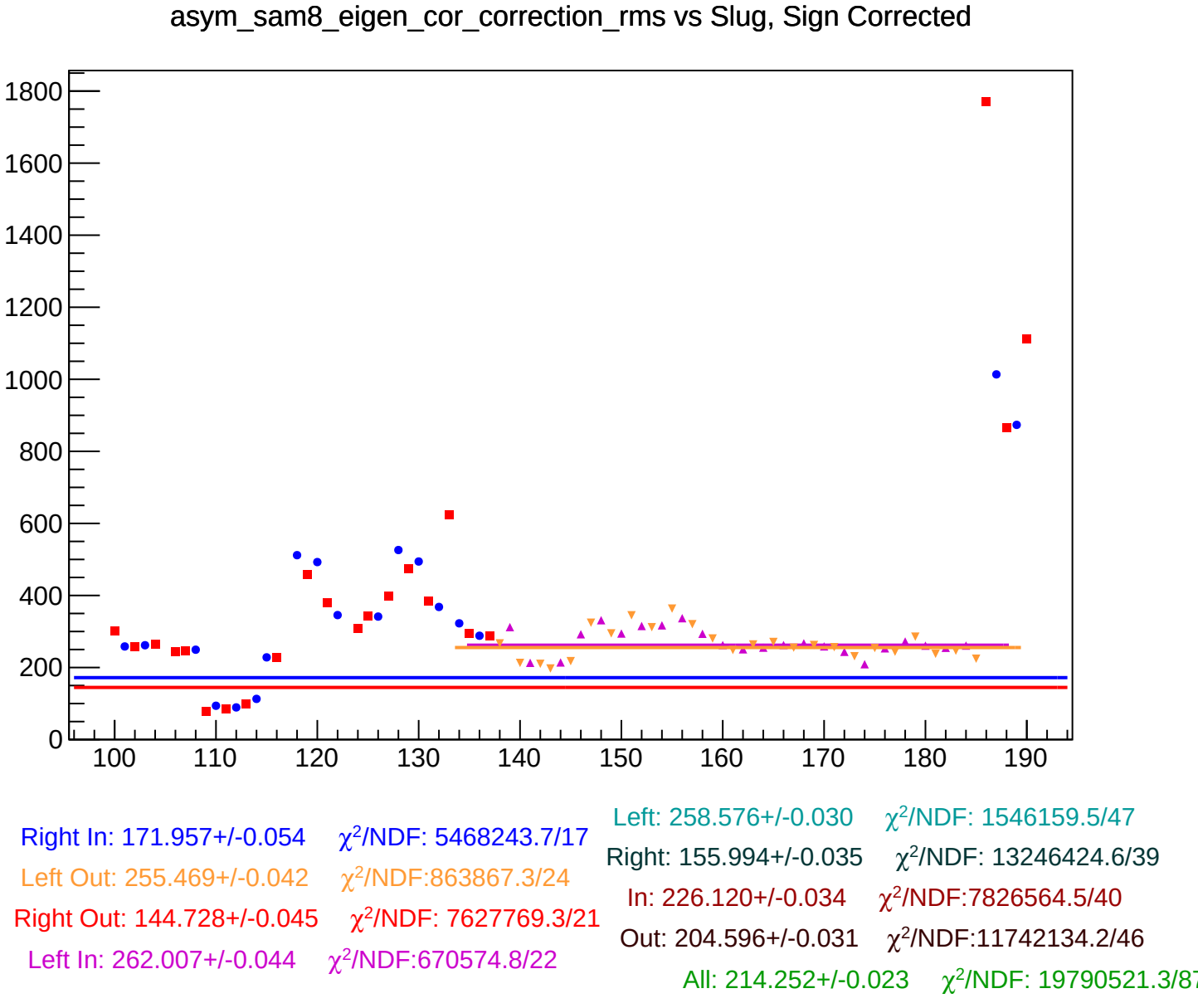
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.468+/-48.902 χ^2/NDF: 36.1/39

In: -19.659+/-47.993 χ^2/NDF:49.6/40

Out: -138.917+/-43.290 χ^2/NDF:82.0/46

All: -85.417+/-32.145 χ^2/NDF: 135.0/87


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
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600
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200
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130
140
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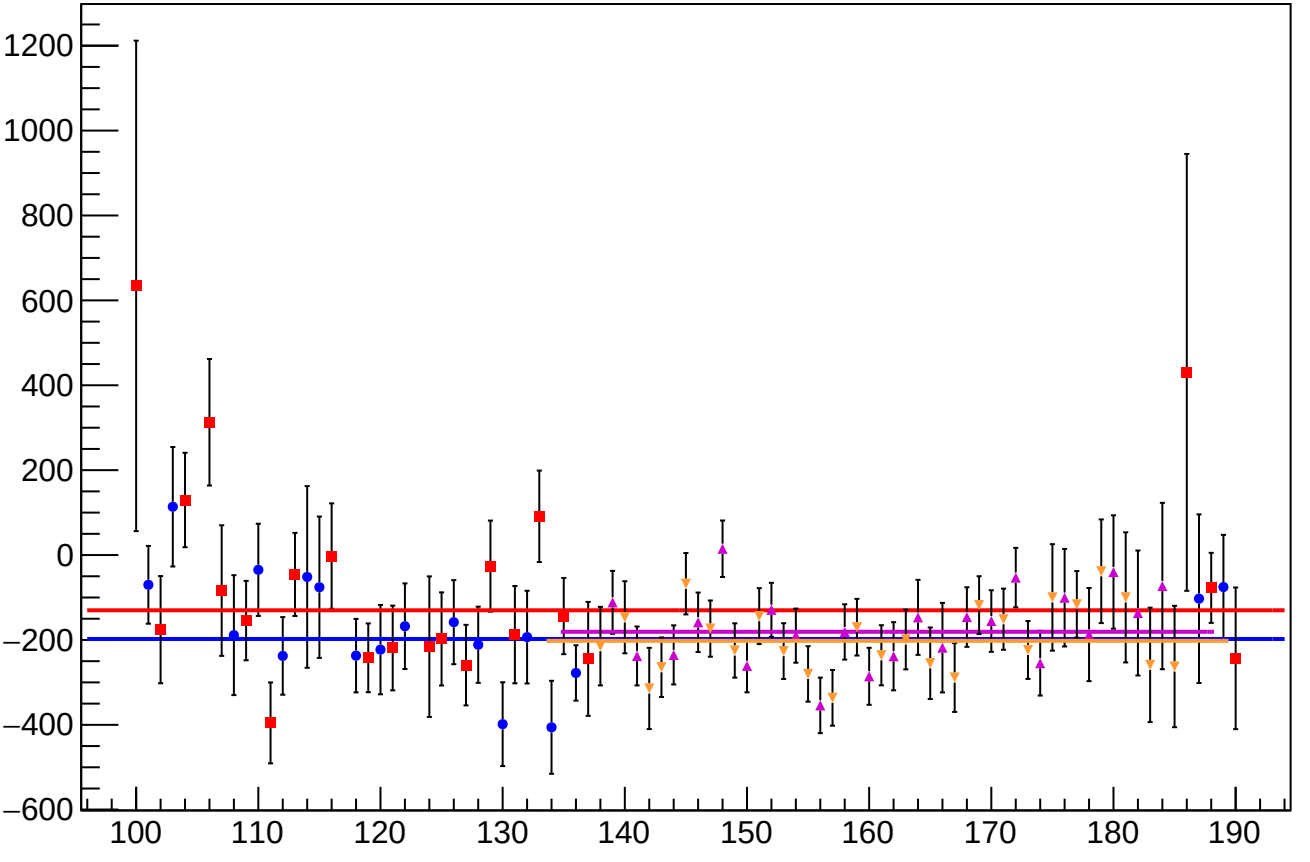
160
170
180
190
Right In: 171.957+/-0.054 χ²/NDF: 5468243.7/17
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 144.728+/-0.045 χ²/NDF: 7627769.3/21
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 155.994+/-0.035 χ²/NDF: 13246424.6/39
In: 226.120+/-0.034 χ²/NDF:7826564.5/40
Out: 204.596+/-0.031 χ²/NDF:11742134.2/46
All: 214.252+/-0.023 χ²/NDF: 19790521.3/87

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -197.729+/-24.795 χ^2/NDF: 21.3/17

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -130.144+/-24.067 χ^2/NDF: 39.3/21

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

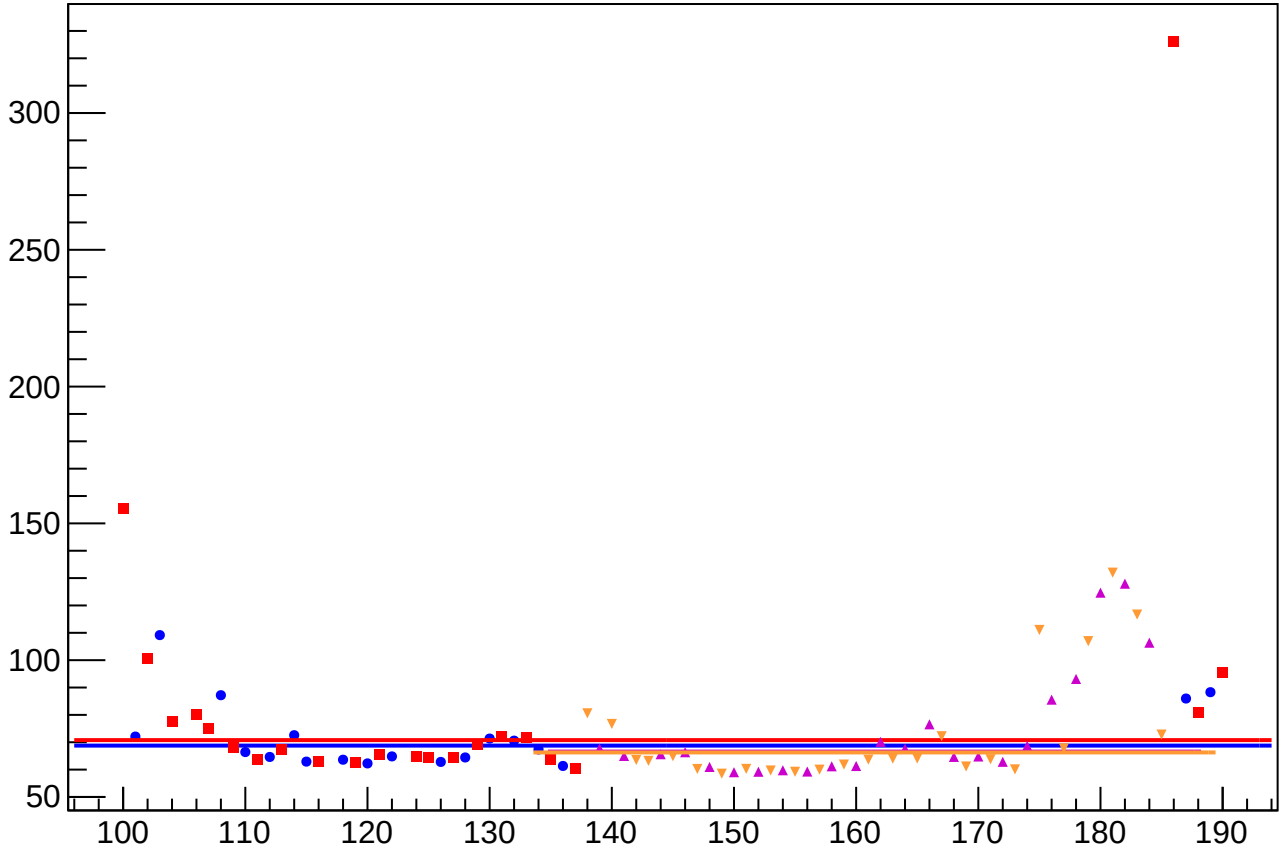
Right: -162.931+/-17.270 χ^2/NDF: 64.4/39

In: -185.774+/-13.455 χ^2/NDF:51.8/40

Out: -180.925+/-13.054 χ^2/NDF:67.1/46

All: -183.276+/-9.369 χ^2/NDF: 119.0/87

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 68.774+/-0.018 χ^2/NDF: 333058.4/17

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 70.778+/-0.017 χ^2/NDF: 827627.0/21

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

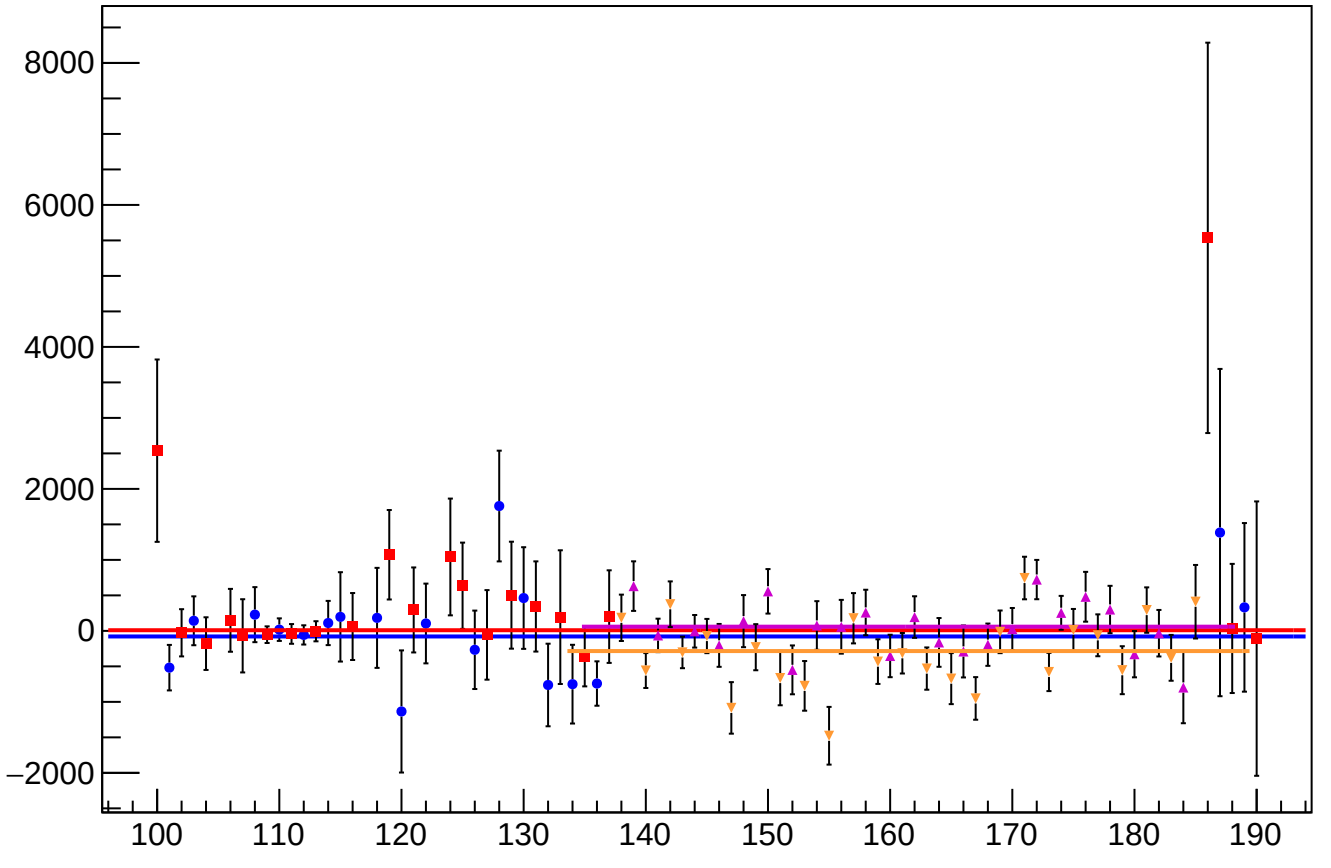
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 69.806+/-0.012 χ^2/NDF: 1167412.3/39

In: 67.230+/-0.010 χ^2/NDF:1502289.5/40

Out: 67.602+/-0.009 χ^2/NDF:2270832.1/46

All: 67.422+/-0.007 χ^2/NDF: 3773911.8/87



Right In: -78.724+/-78.458 χ^2/NDF: 19.7/17

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.233+/-65.681 χ^2/NDF: 16.1/21

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

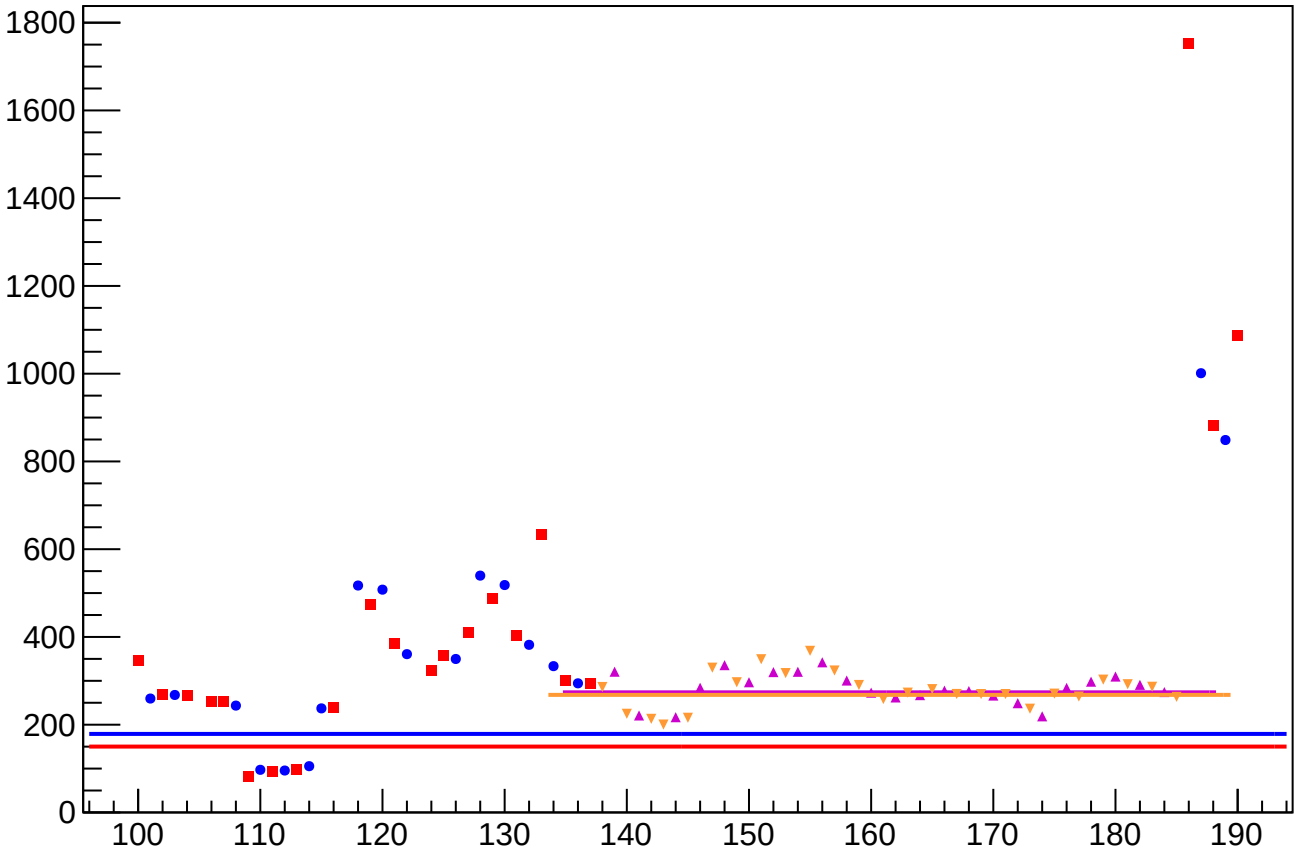
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -27.009+/-50.363 χ^2/NDF: 36.6/39

In: 3.414+/-49.887 χ^2/NDF:48.4/40

Out: -146.713+/-44.981 χ^2/NDF:81.3/46

All: -79.394+/-33.407 χ^2/NDF: 134.7/87



Right In: 178.997+/-0.055 χ^2/NDF: 5324680.3/17

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 150.134+/-0.046 χ^2/NDF: 7595453.6/21

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

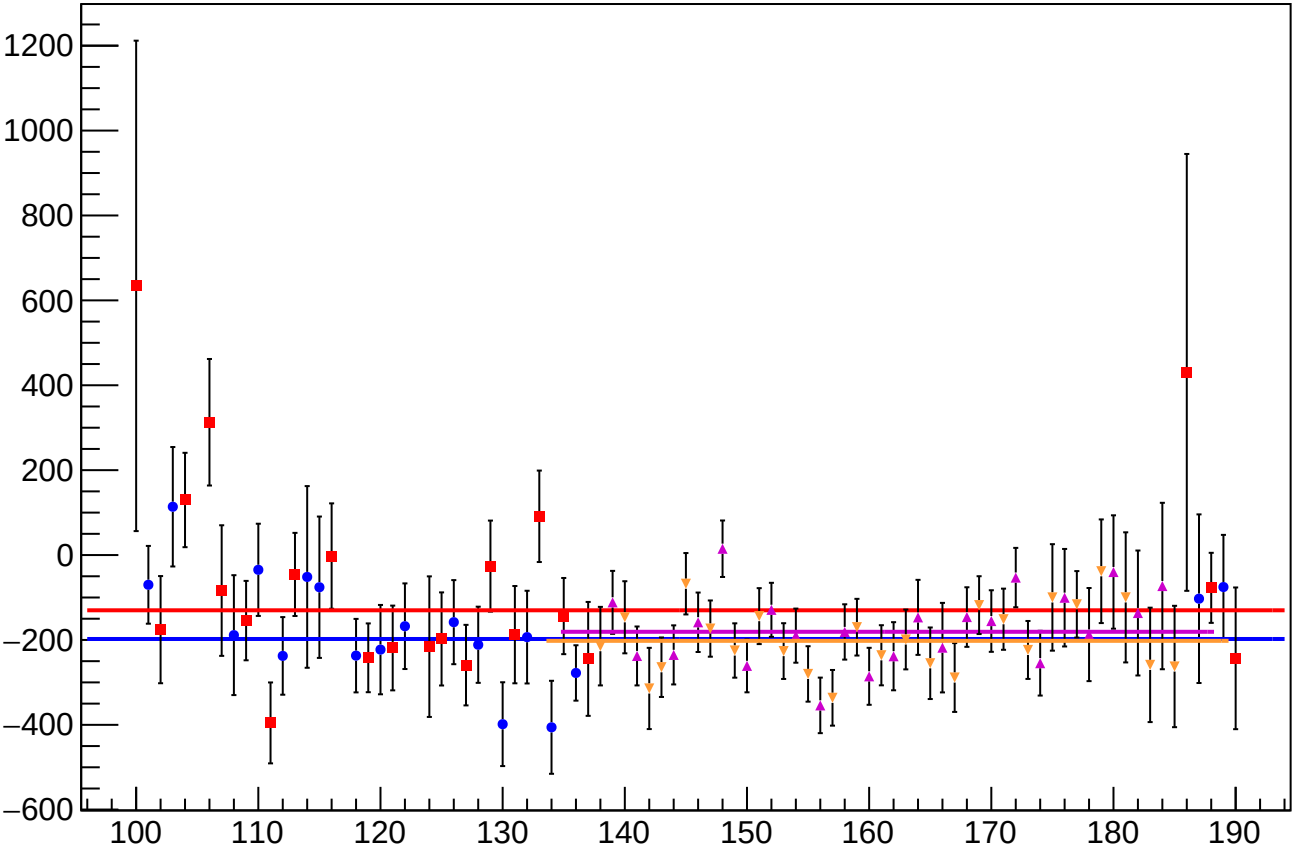
Right: 162.027+/-0.036 χ^2/NDF: 13079275.4/39

In: 235.442+/-0.035 χ^2/NDF:7712661.3/40

Out: 212.713+/-0.032 χ^2/NDF:11877363.1/46

All: 222.905+/-0.024 χ^2/NDF: 19819007.9/87

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -197.729+/-24.795 χ^2/NDF: 21.3/17

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -130.144+/-24.067 χ^2/NDF: 39.3/21

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

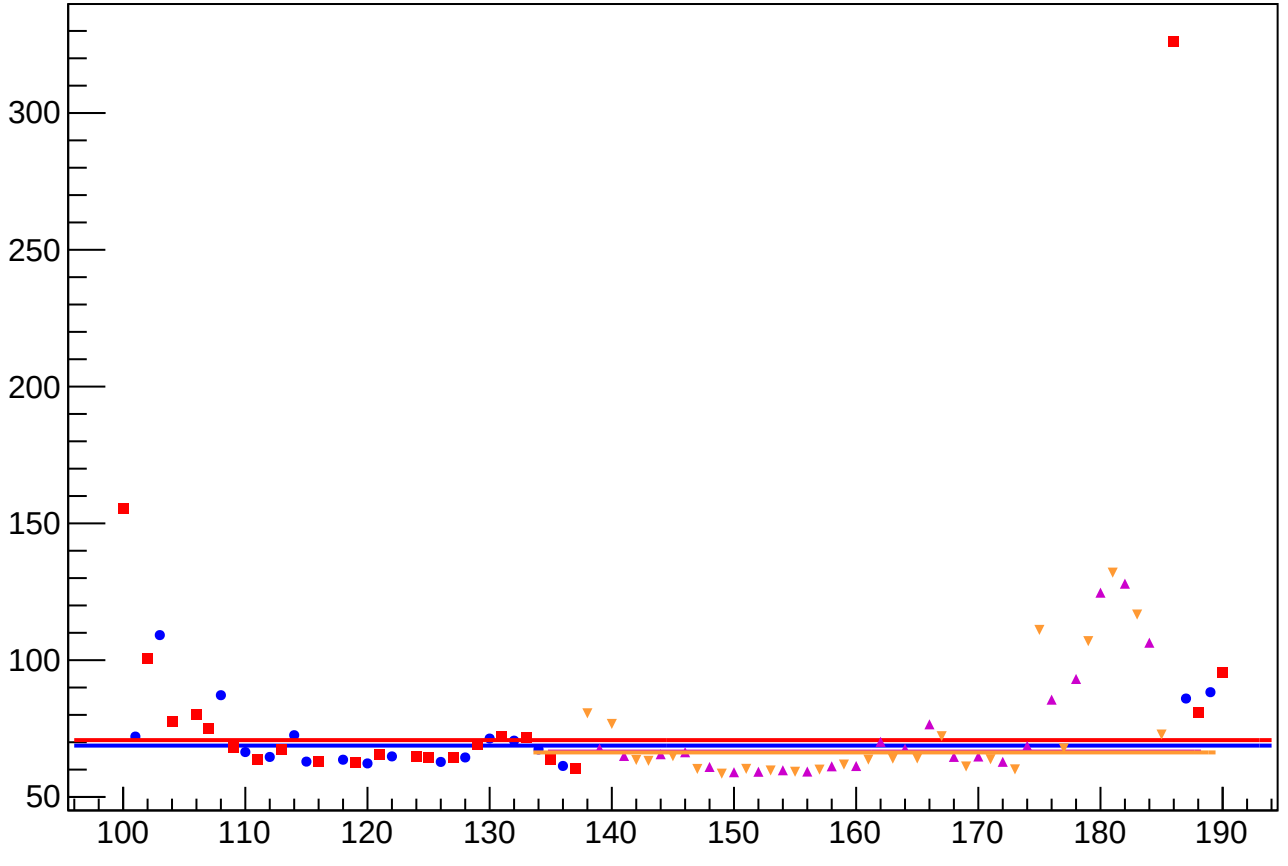
Right: -162.931+/-17.270 χ^2/NDF: 64.4/39

In: -185.775+/-13.455 χ^2/NDF:51.8/40

Out: -180.925+/-13.054 χ^2/NDF:67.1/46

All: -183.276+/-9.369 χ^2/NDF: 119.0/87

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 68.774+/-0.018 χ^2/NDF: 333061.1/17

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 70.778+/-0.017 χ^2/NDF: 827627.6/21

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

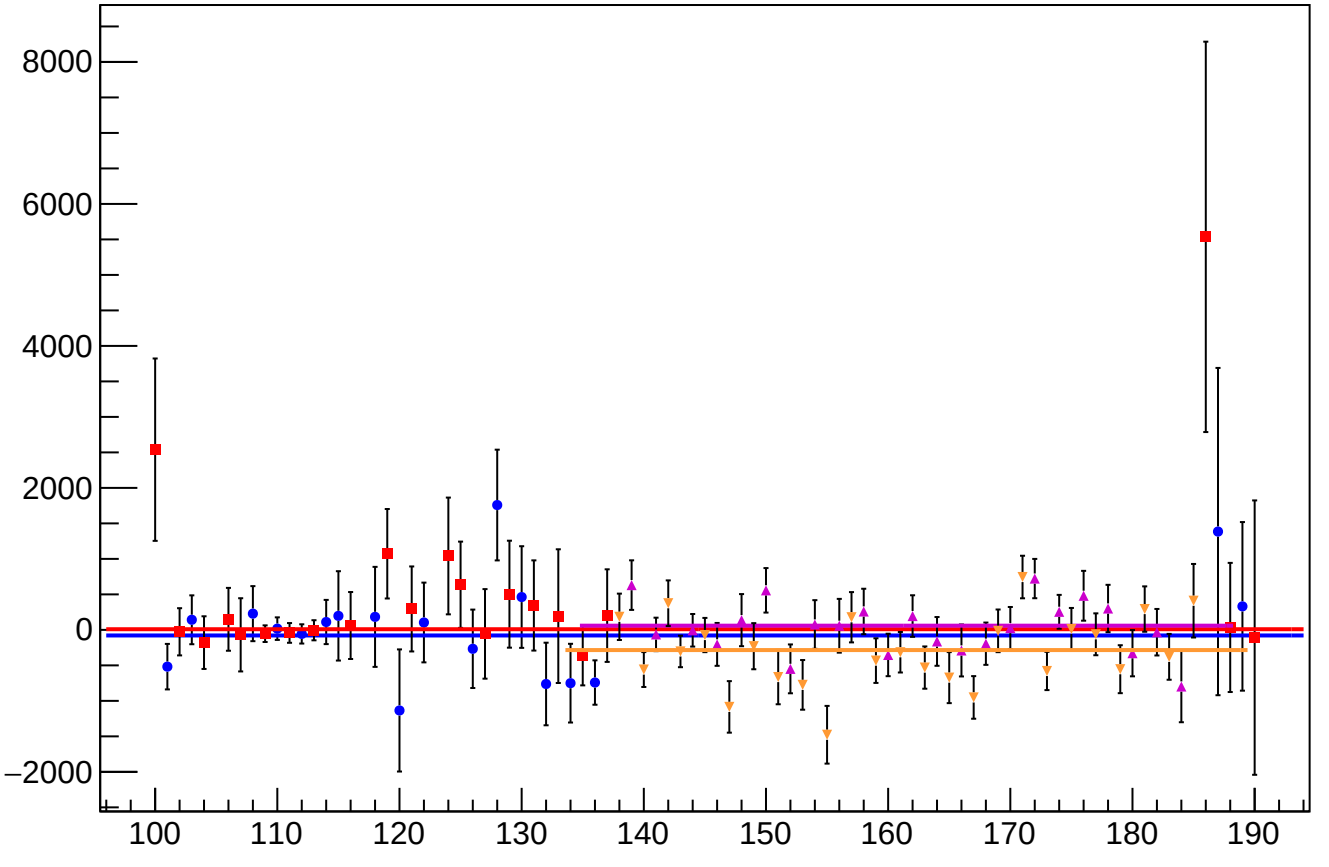
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 69.805+/-0.012 χ^2/NDF: 1167415.2/39

In: 67.230+/-0.010 χ^2/NDF:1502284.0/40

Out: 67.602+/-0.009 χ^2/NDF:2270829.4/46

All: 67.422+/-0.007 χ^2/NDF: 3773903.4/87



Right In: -78.722+/-78.458 χ^2/NDF: 19.7/17

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.231+/-65.681 χ^2/NDF: 16.1/21

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

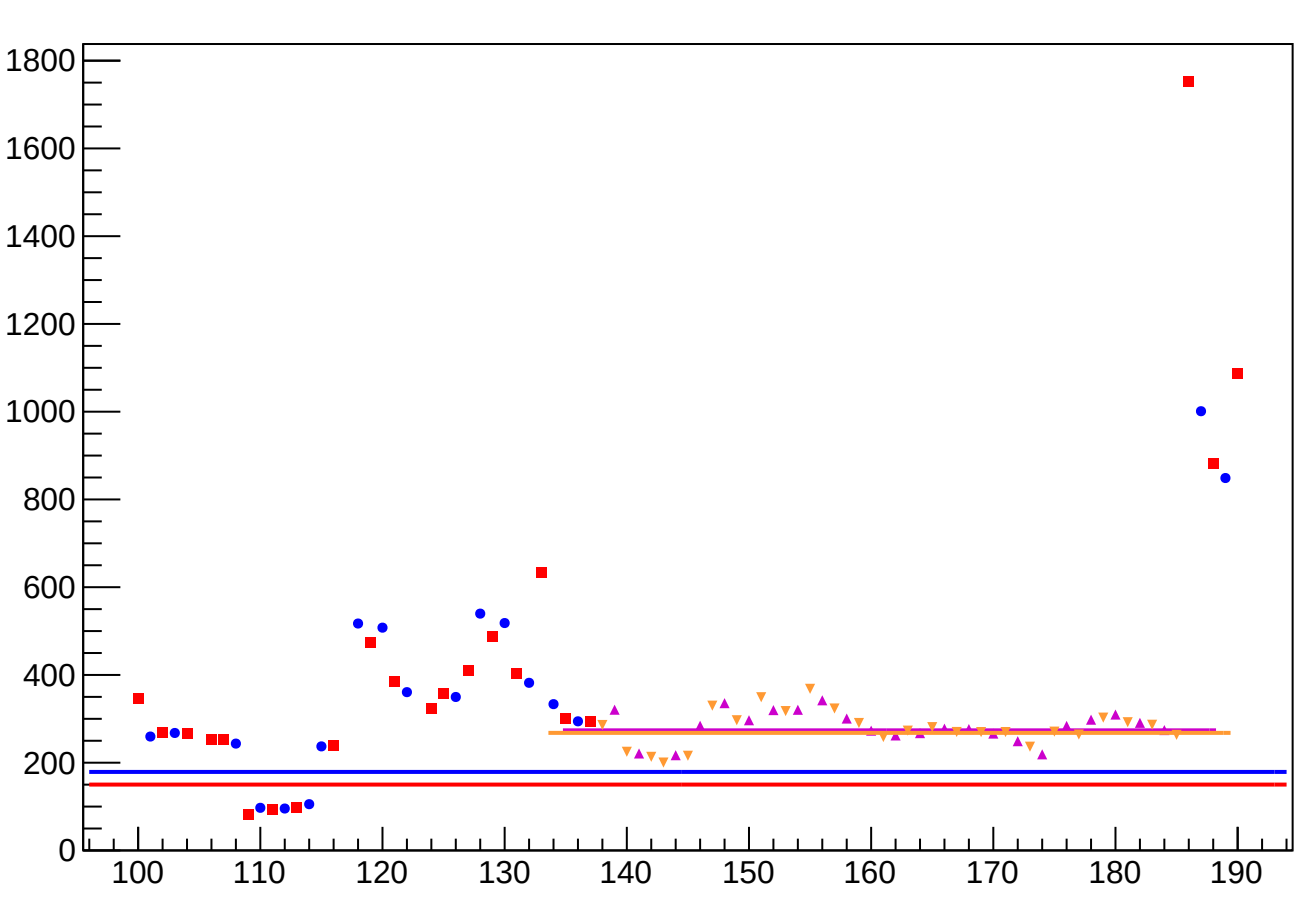
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -27.010+/-50.363 χ^2/NDF: 36.6/39

In: 3.414+/-49.887 χ^2/NDF:48.4/40

Out: -146.714+/-44.981 χ^2/NDF:81.3/46

All: -79.394+/-33.406 χ^2/NDF: 134.7/87



Right In: 178.996+/-0.055 χ^2/NDF: 5324704.1/17

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 150.134+/-0.046 χ^2/NDF: 7595433.1/21

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

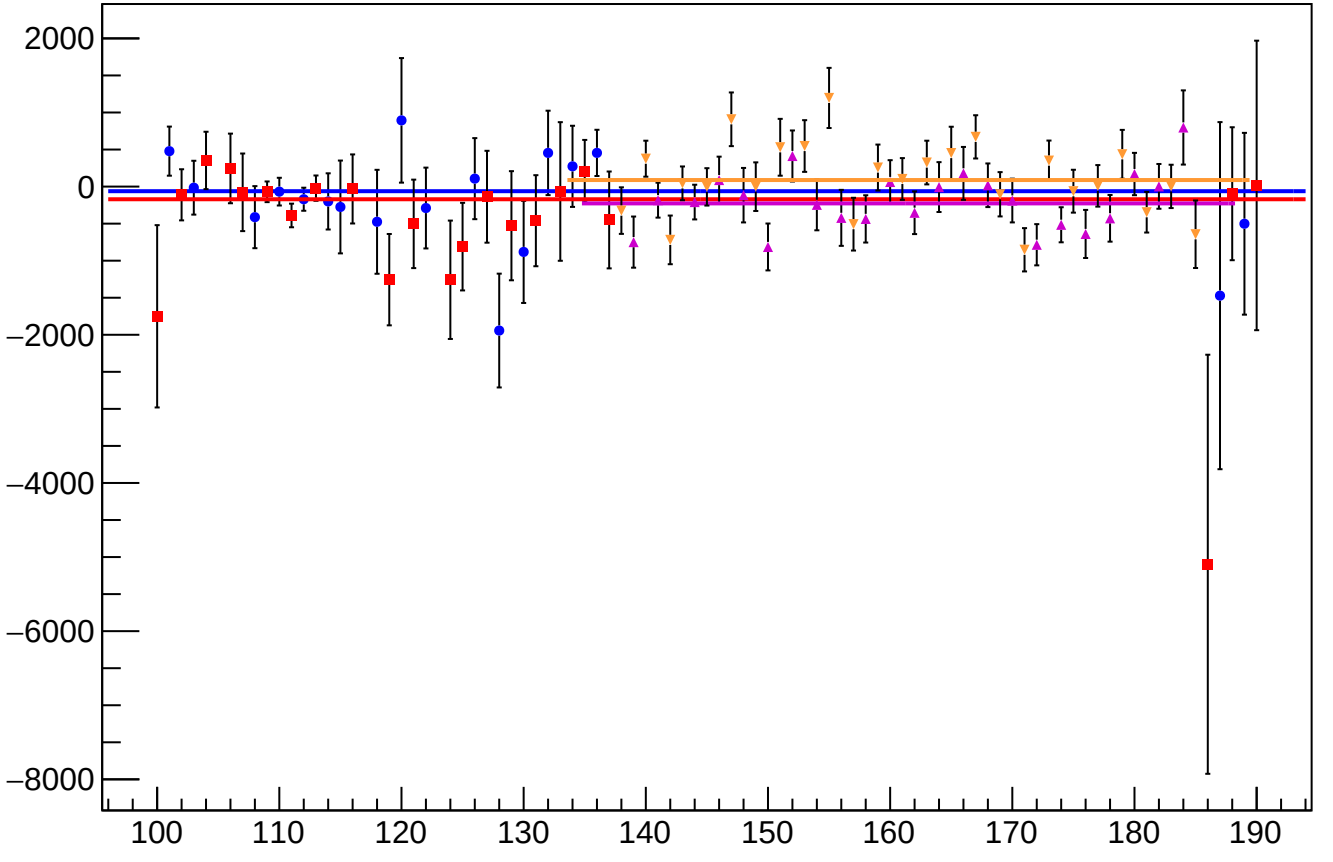
Right: 162.026+/-0.036 χ^2/NDF: 13079268.2/39

In: 235.441+/-0.035 χ^2/NDF:7712725.4/40

Out: 212.713+/-0.032 χ^2/NDF:11877335.8/46

All: 222.904+/-0.024 χ^2/NDF: 19819033.4/87

asym_sam8_mean vs Slug, Sign Corrected



Right In: -62.116+/-86.614 χ^2/NDF: 17.9/17

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -170.962+/-74.262 χ^2/NDF: 18.5/21

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

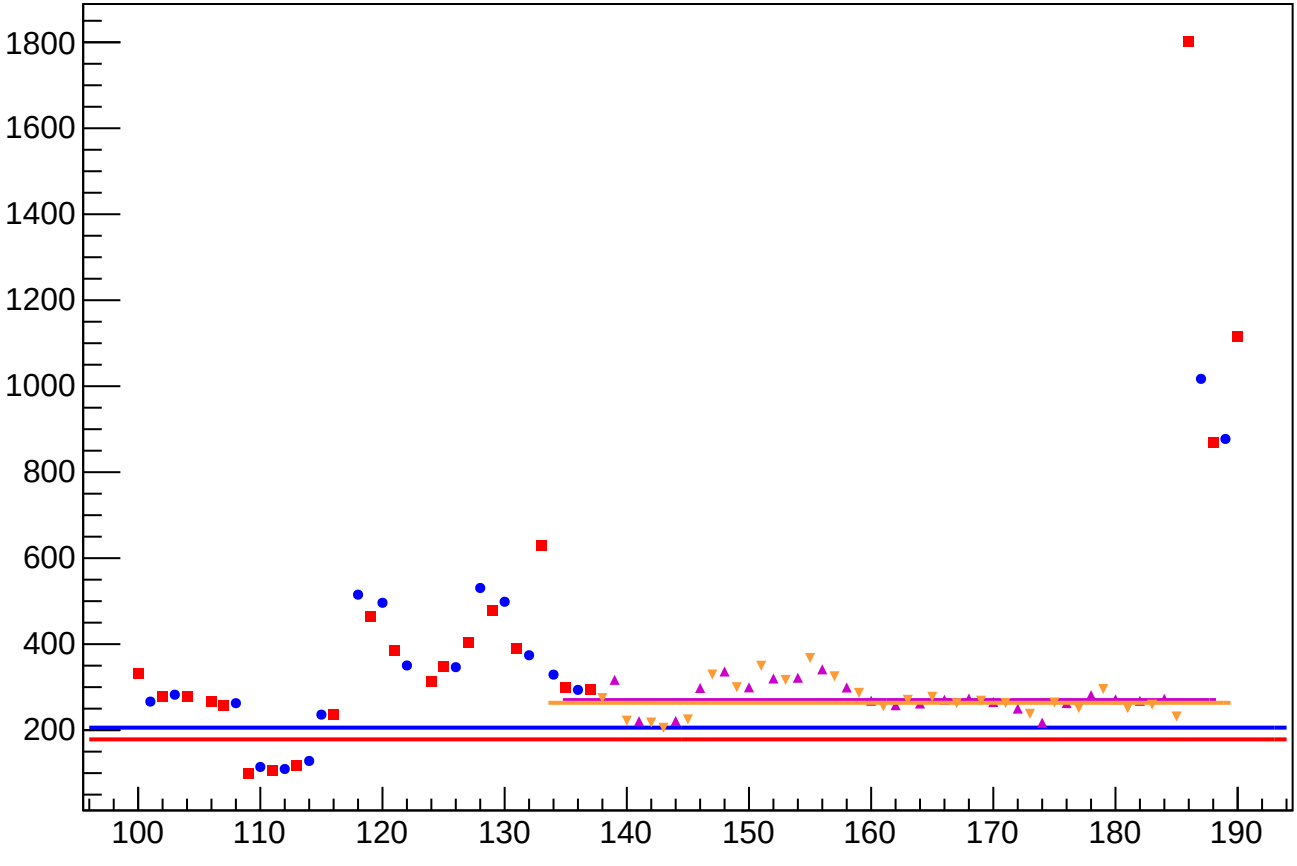
Right: -124.847+/-56.377 χ^2/NDF: 37.3/39

In: -169.063+/-51.304 χ^2/NDF:49.1/40

Out: -15.411+/-46.982 χ^2/NDF:78.1/46

All: -85.493+/-34.649 χ^2/NDF: 132.0/87

asym_sam8_rms vs Slug, Sign Corrected



Right In: 205.787+/-0.061 χ^2/NDF: 4416775.0/17

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 178.528+/-0.053 χ^2/NDF: 6518610.2/21

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

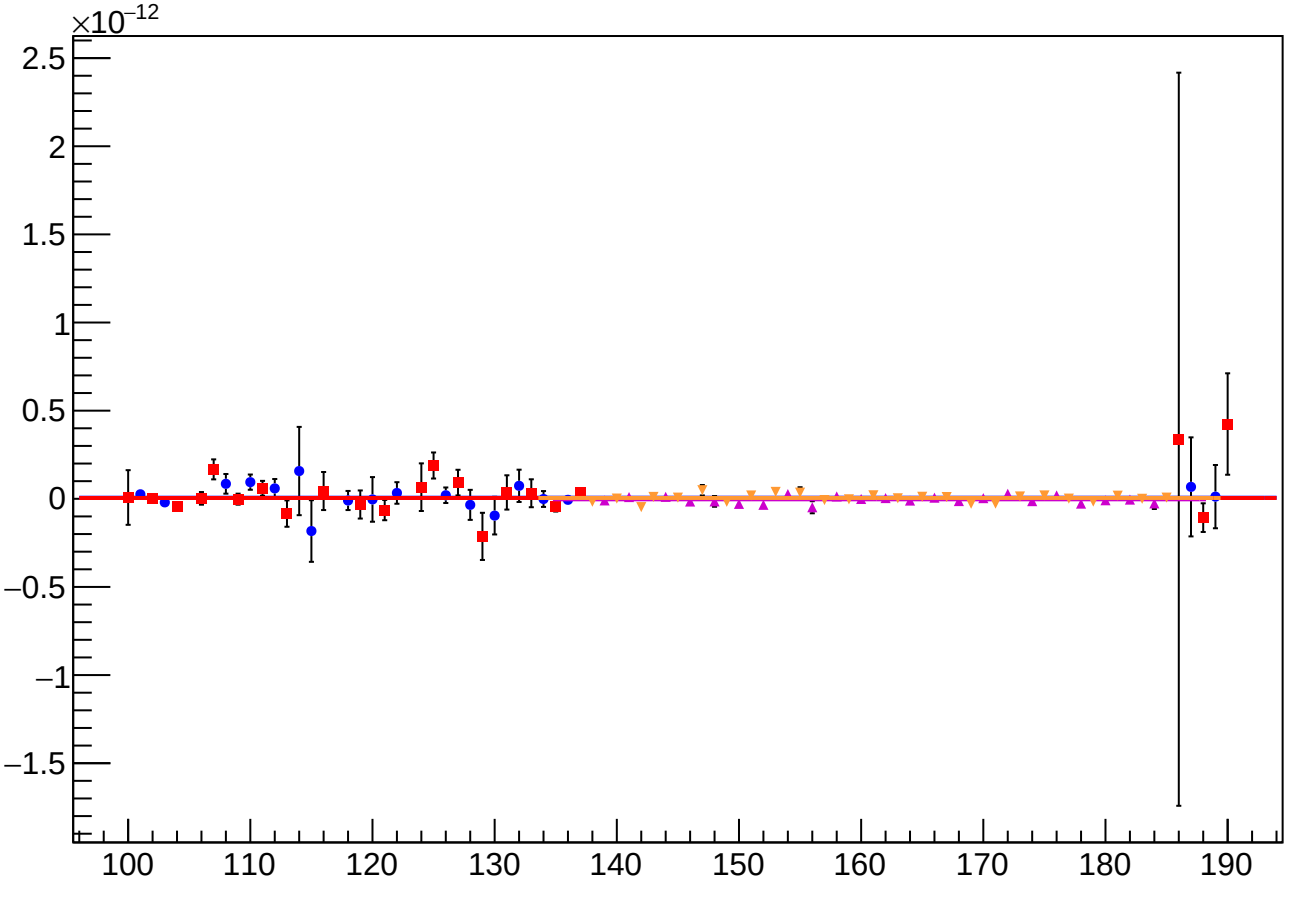
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 190.077+/-0.040 χ^2/NDF: 11049551.0/39

In: 247.404+/-0.036 χ^2/NDF:5730328.1/40

Out: 229.546+/-0.033 χ^2/NDF:8872329.1/46

All: 237.691+/-0.025 χ^2/NDF: 14734458.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/21

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

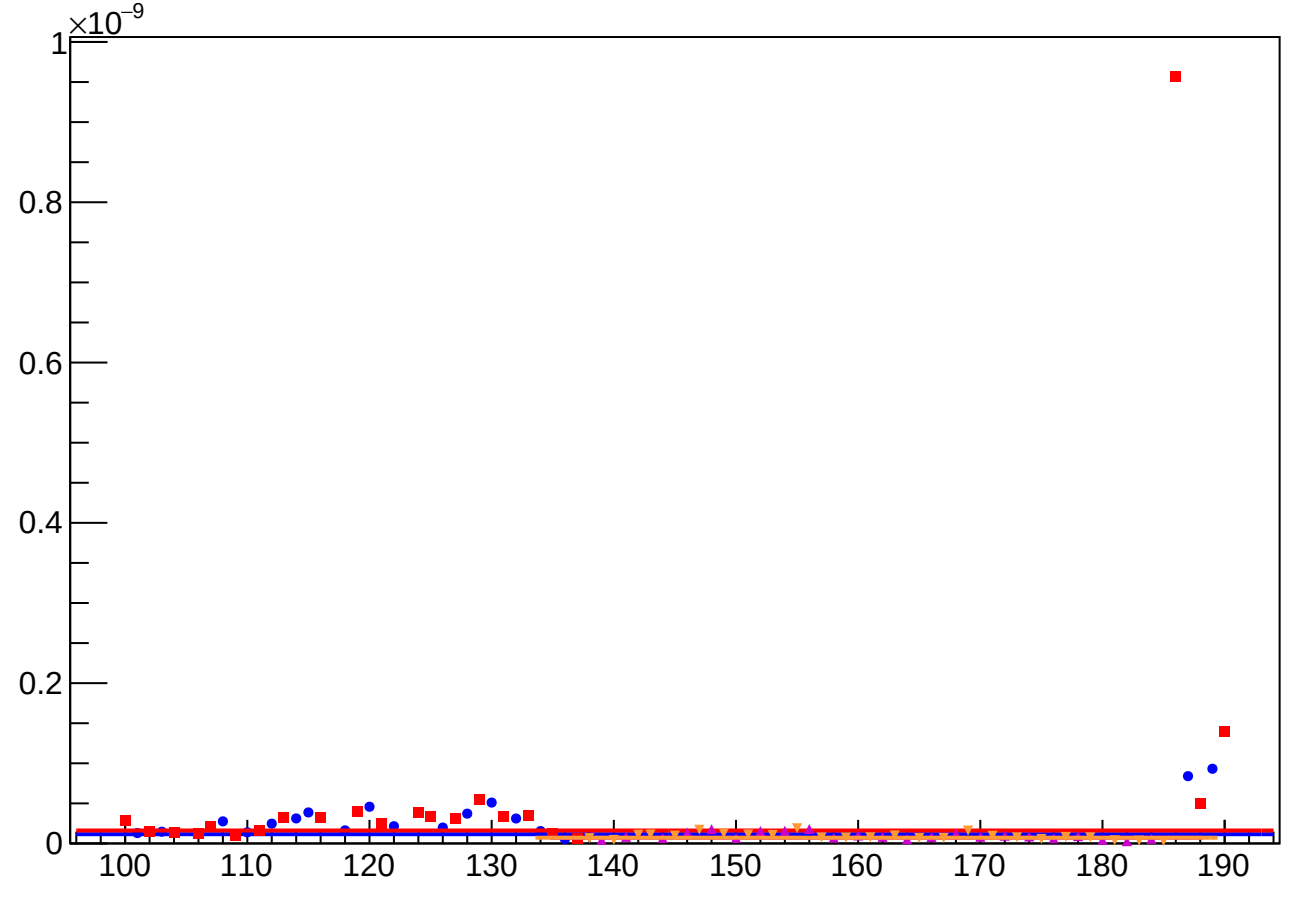
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 48.4/39

In: -0.000+/-0.000 χ^2/NDF:36.4/40

Out: 0.000+/-0.000 χ^2/NDF:62.5/46

All: 0.000+/-0.000 χ^2/NDF: 101.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 2337368.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2579124.7/21

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

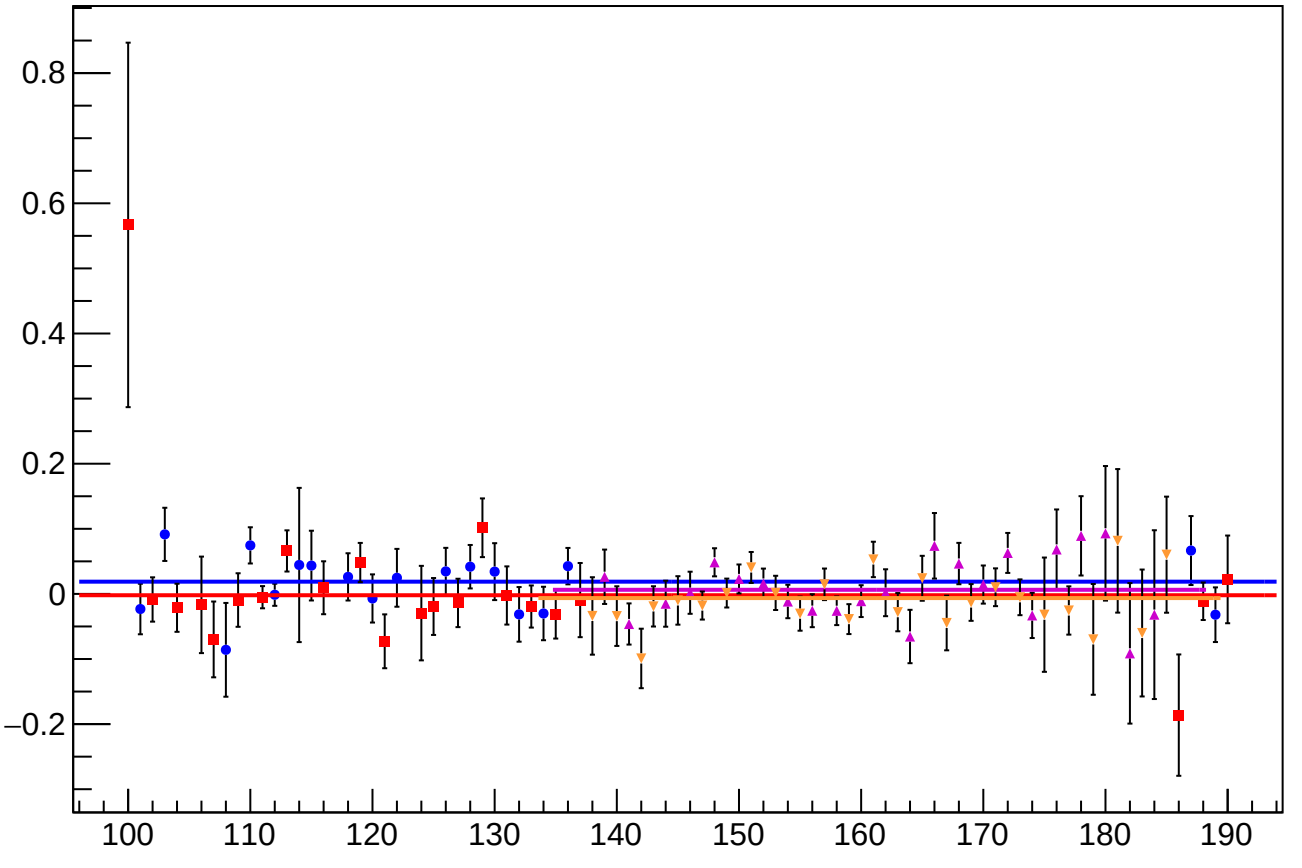
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 5168857.7/39

In: 0.000+/-0.000 χ^2/NDF:4901033.5/40

Out: 0.000+/-0.000 χ^2/NDF:5997466.2/46

All: 0.000+/-0.000 χ^2/NDF: 10904925.4/87



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 27.0/21

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

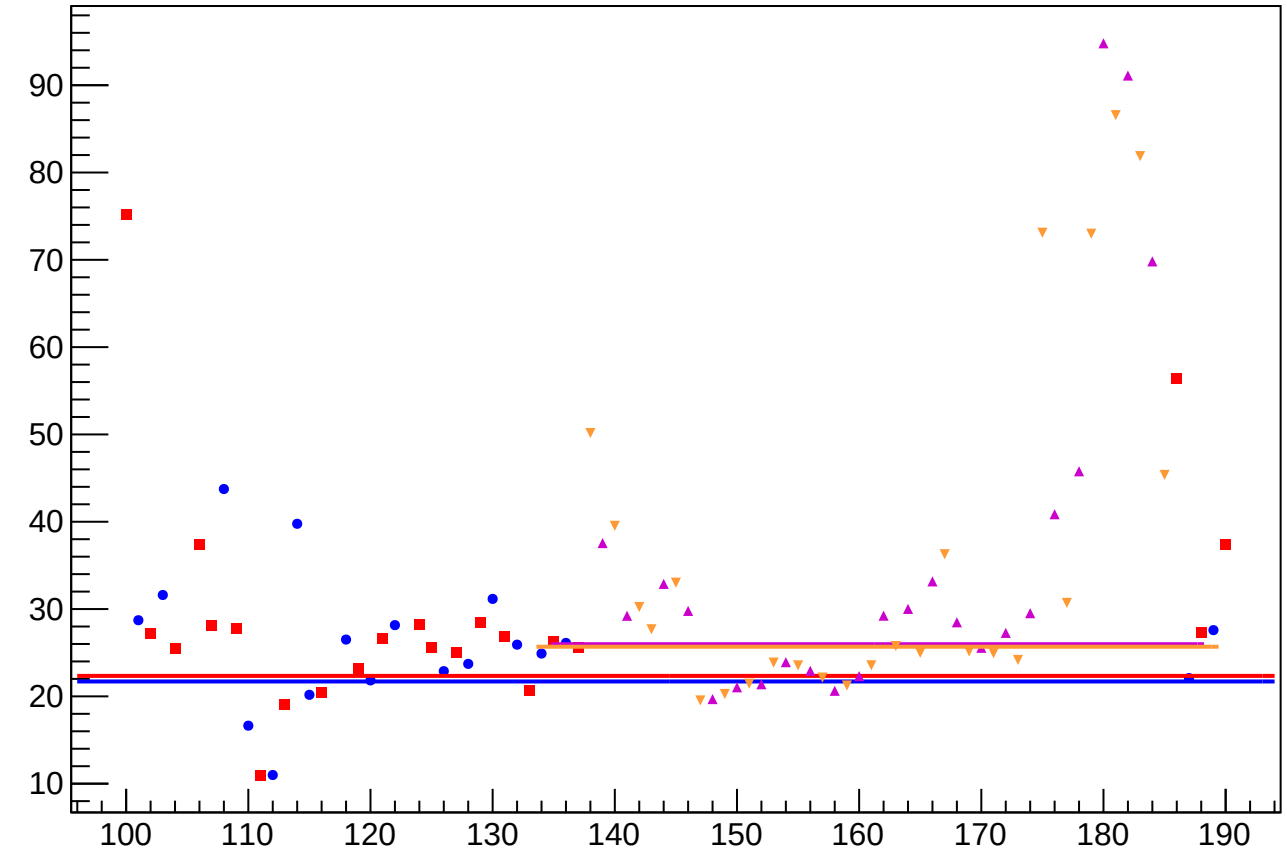
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 49.6/39

In: 0.011+/-0.005 χ^2/NDF:49.1/40

Out: -0.005+/-0.005 χ^2/NDF:49.8/46

All: 0.003+/-0.004 χ^2/NDF: 103.7/87



Right In: 21.706+/-0.006 χ^2/NDF: 1581886.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 22.345+/-0.006 χ^2/NDF: 1762179.9/21

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

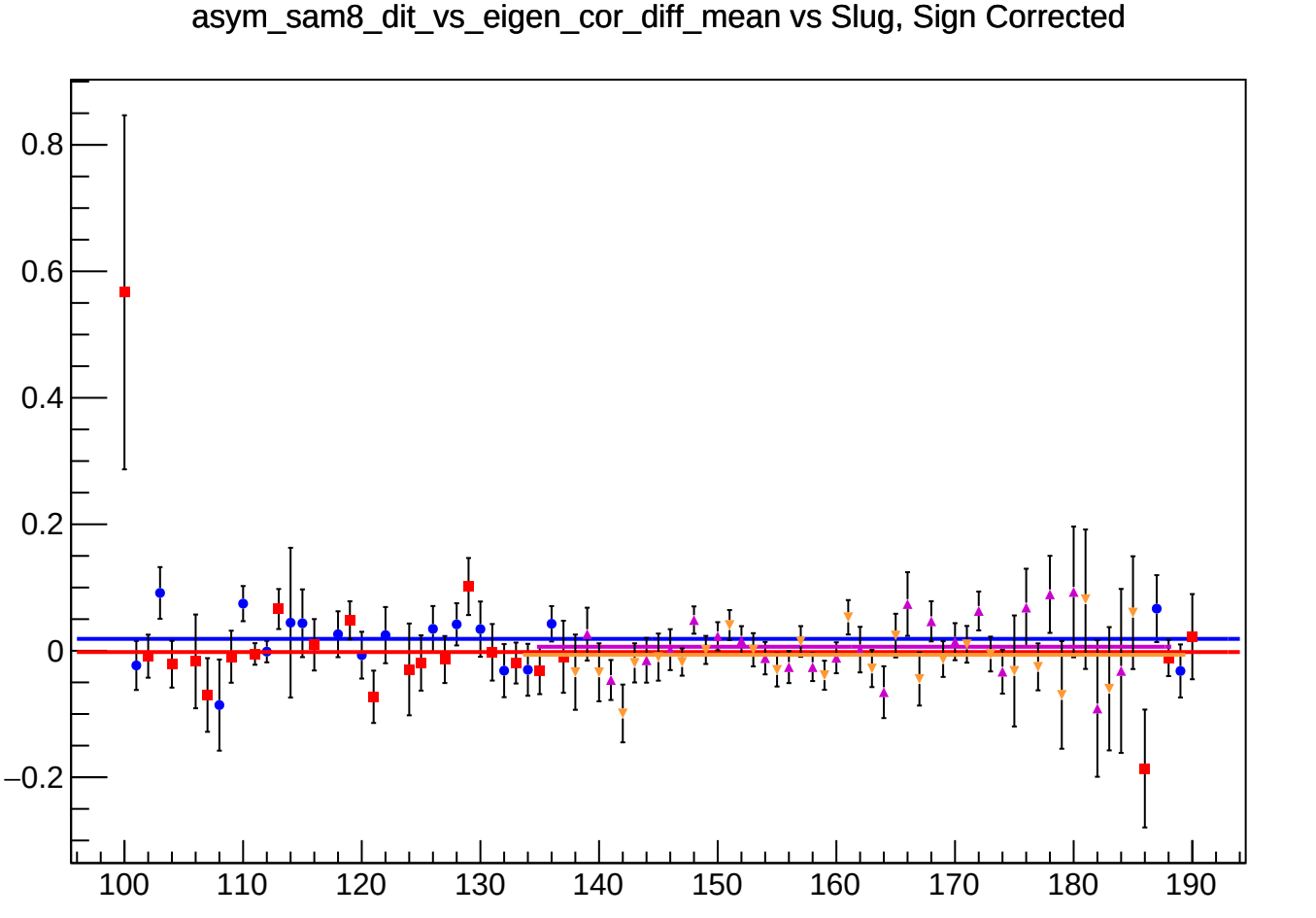
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 22.038+/-0.004 χ^2/NDF: 3350086.4/39

In: 24.335+/-0.004 χ^2/NDF:5018295.5/40

Out: 24.396+/-0.004 χ^2/NDF:5844255.1/46

All: 24.367+/-0.003 χ^2/NDF: 10862694.7/87



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 27.0/21

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

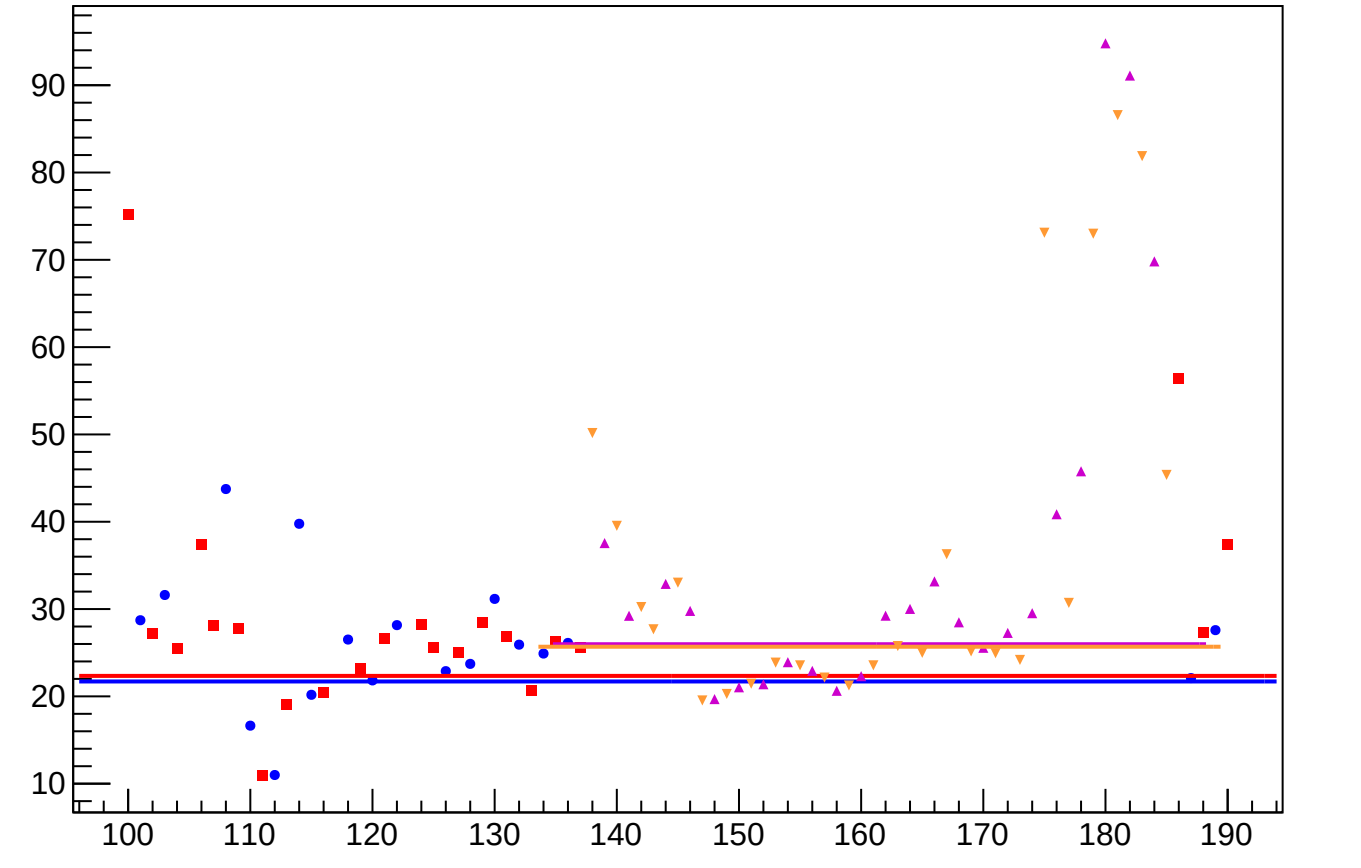
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 49.6/39

In: 0.011+/-0.005 χ^2/NDF:49.1/40

Out: -0.005+/-0.005 χ^2/NDF:49.8/46

All: 0.003+/-0.004 χ^2/NDF: 103.7/87



Right In: 21.706+/-0.006 χ^2/NDF: 1581886.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 22.345+/-0.006 χ^2/NDF: 1762179.9/21

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

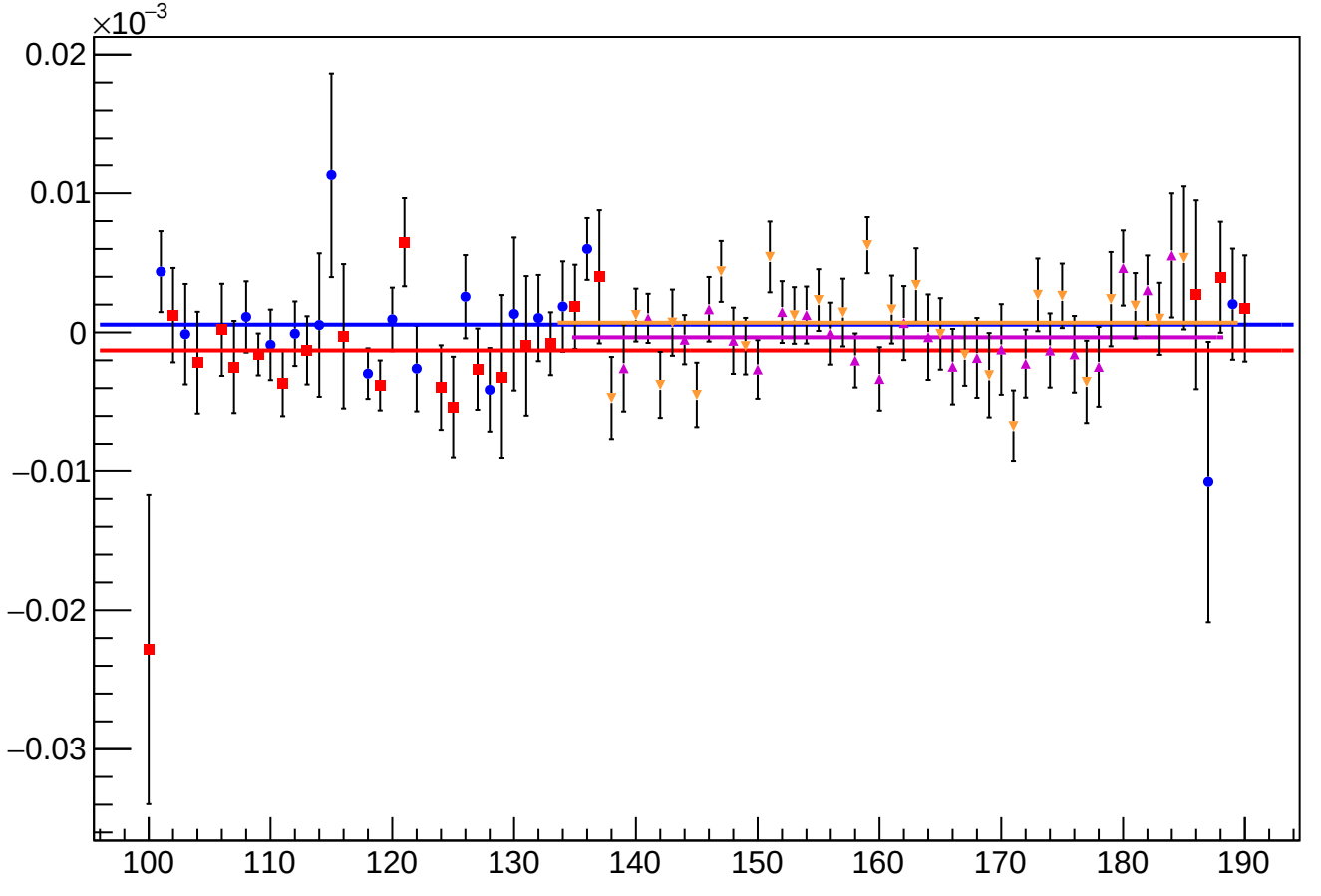
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 22.038+/-0.004 χ^2/NDF: 3350086.4/39

In: 24.335+/-0.004 χ^2/NDF:5018295.5/40

Out: 24.396+/-0.004 χ^2/NDF:5844255.1/46

All: 24.367+/-0.003 χ^2/NDF: 10862694.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/21

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

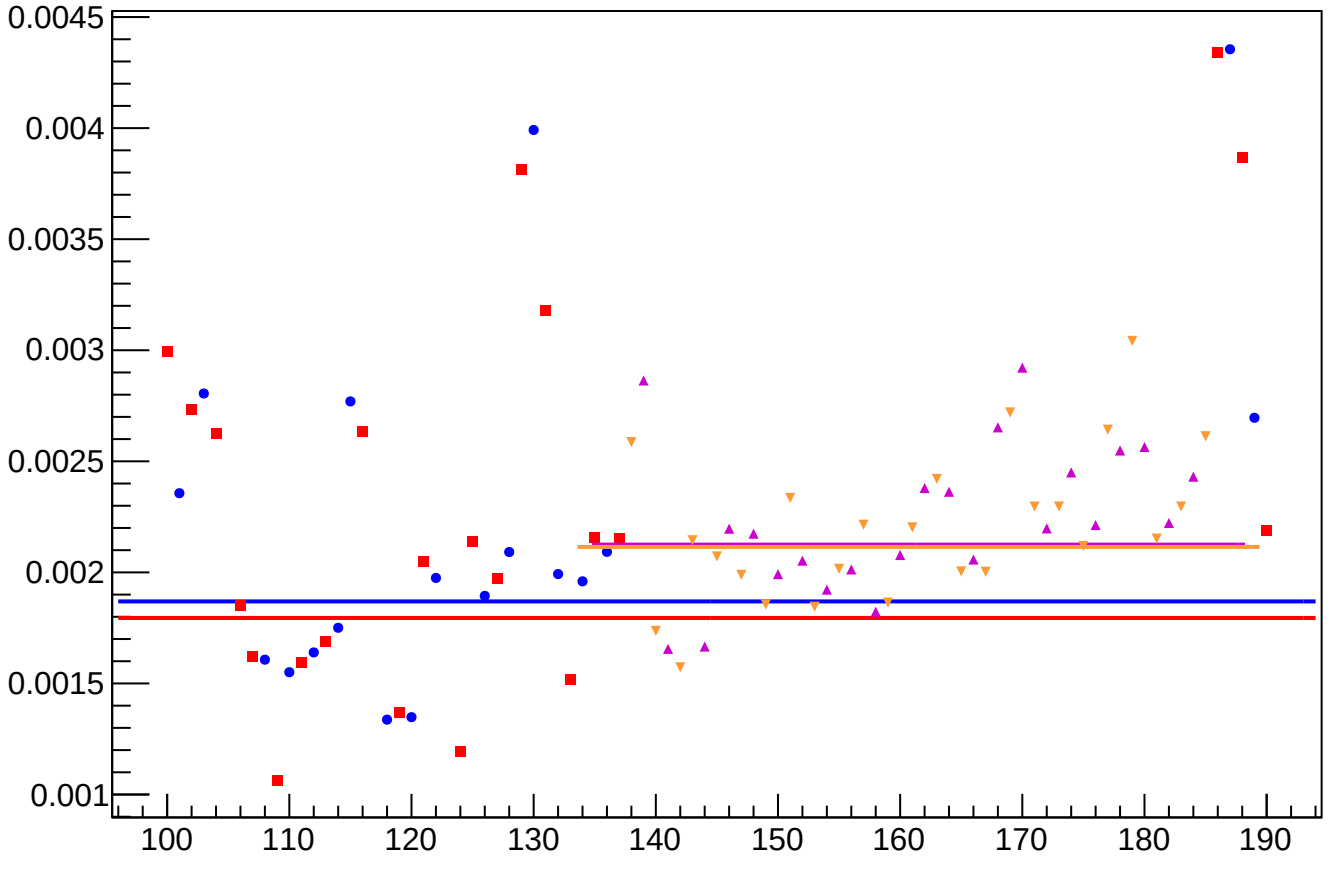
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.7/39

In: -0.000+/-0.000 χ^2/NDF:37.2/40

Out: -0.000+/-0.000 χ^2/NDF:71.6/46

All: -0.000+/-0.000 χ^2/NDF: 108.8/87



Right In: 0.002+/-0.000 χ^2/NDF: 1113365.1/17

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2358939.7/21

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

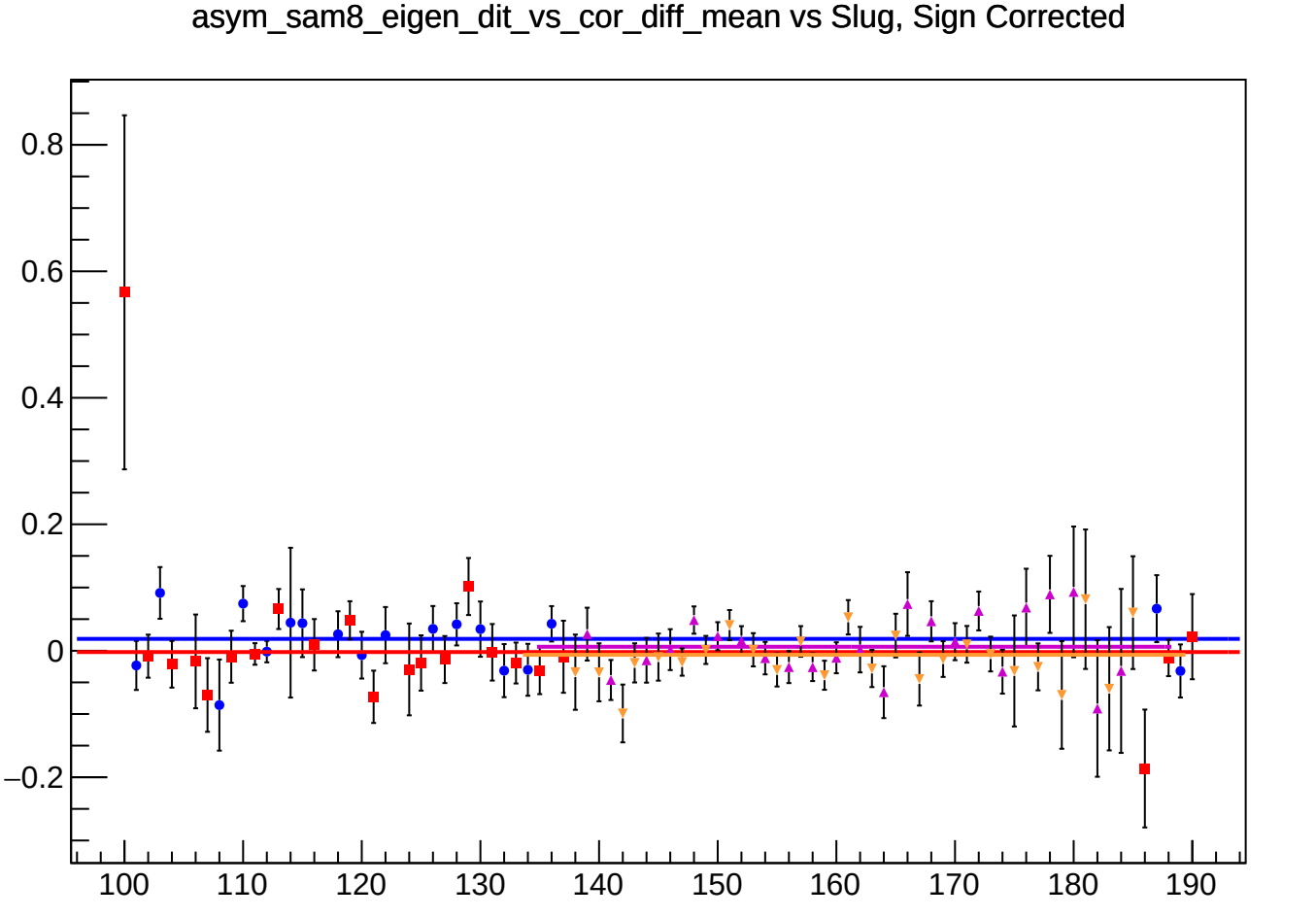
Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

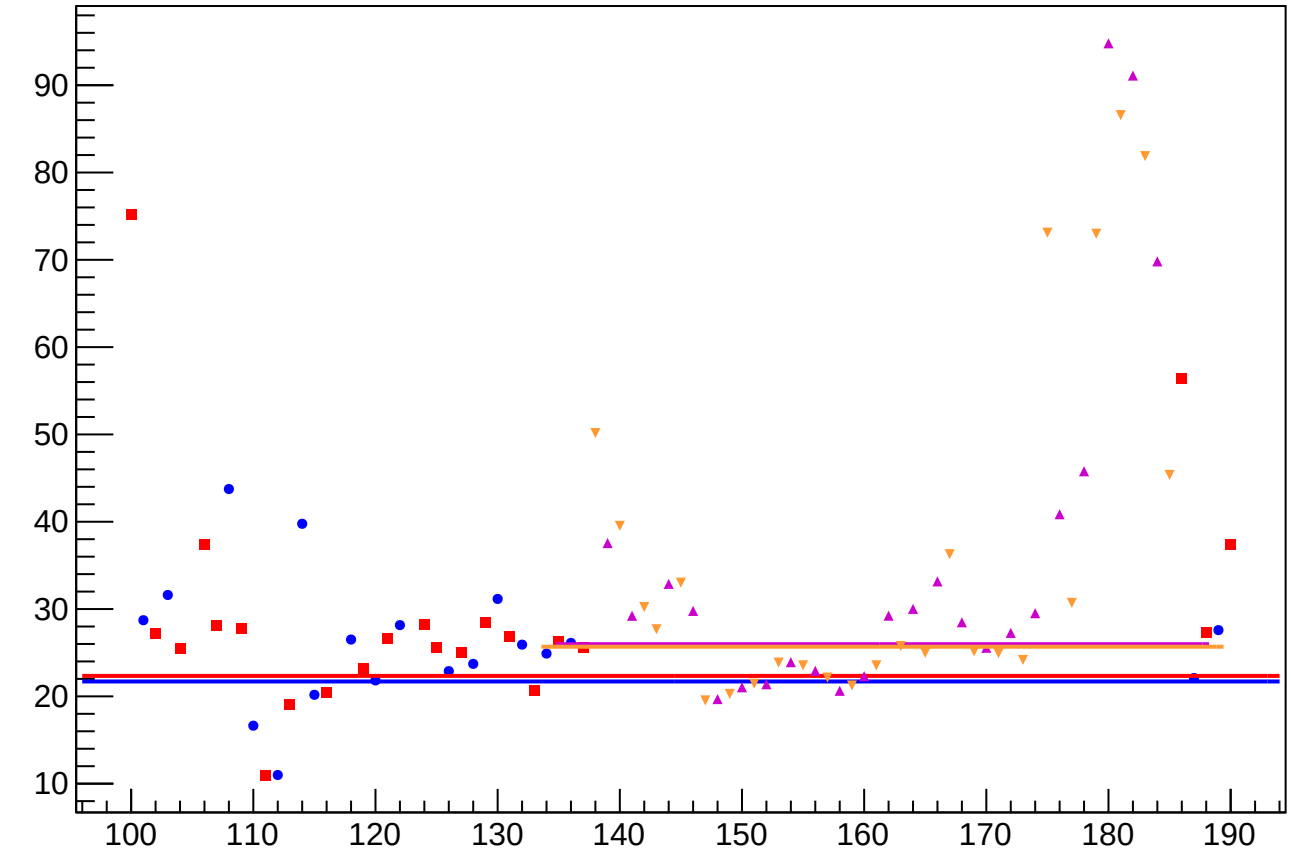
Right: 0.002+/-0.000 χ^2/NDF: 3484788.1/39

In: 0.002+/-0.000 χ^2/NDF:2128983.5/40

Out: 0.002+/-0.000 χ^2/NDF:3420336.0/46

All: 0.002+/-0.000 χ^2/NDF: 5559302.5/87


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.019+/-0.008 χ²/NDF: 19.3/17
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.002+/-0.008 χ²/NDF: 27.0/21
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.008+/-0.006 χ²/NDF: 49.6/39
In: 0.011+/-0.005 χ²/NDF:49.1/40
Out: -0.005+/-0.005 χ²/NDF:49.8/46
All: 0.003+/-0.004 χ²/NDF: 103.7/87



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 22.344+/-0.006 χ^2/NDF: 1762312.4/21

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

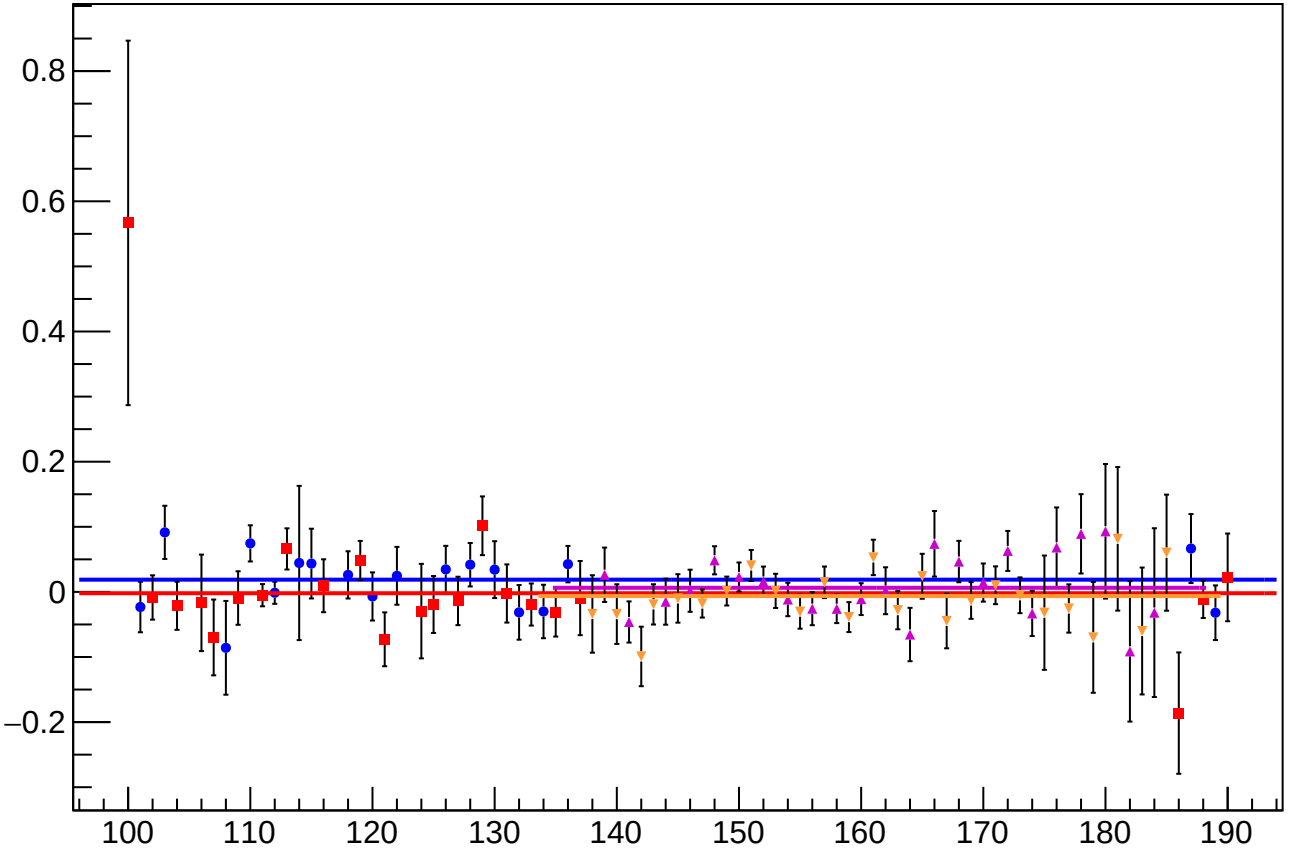
Right: 22.037+/-0.004 χ^2/NDF: 3350386.2/39

In: 24.335+/-0.004 χ^2/NDF:5018554.4/40

Out: 24.396+/-0.004 χ^2/NDF:5844494.0/46

All: 24.366+/-0.003 χ^2/NDF: 10863192.2/87

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 27.0/21

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

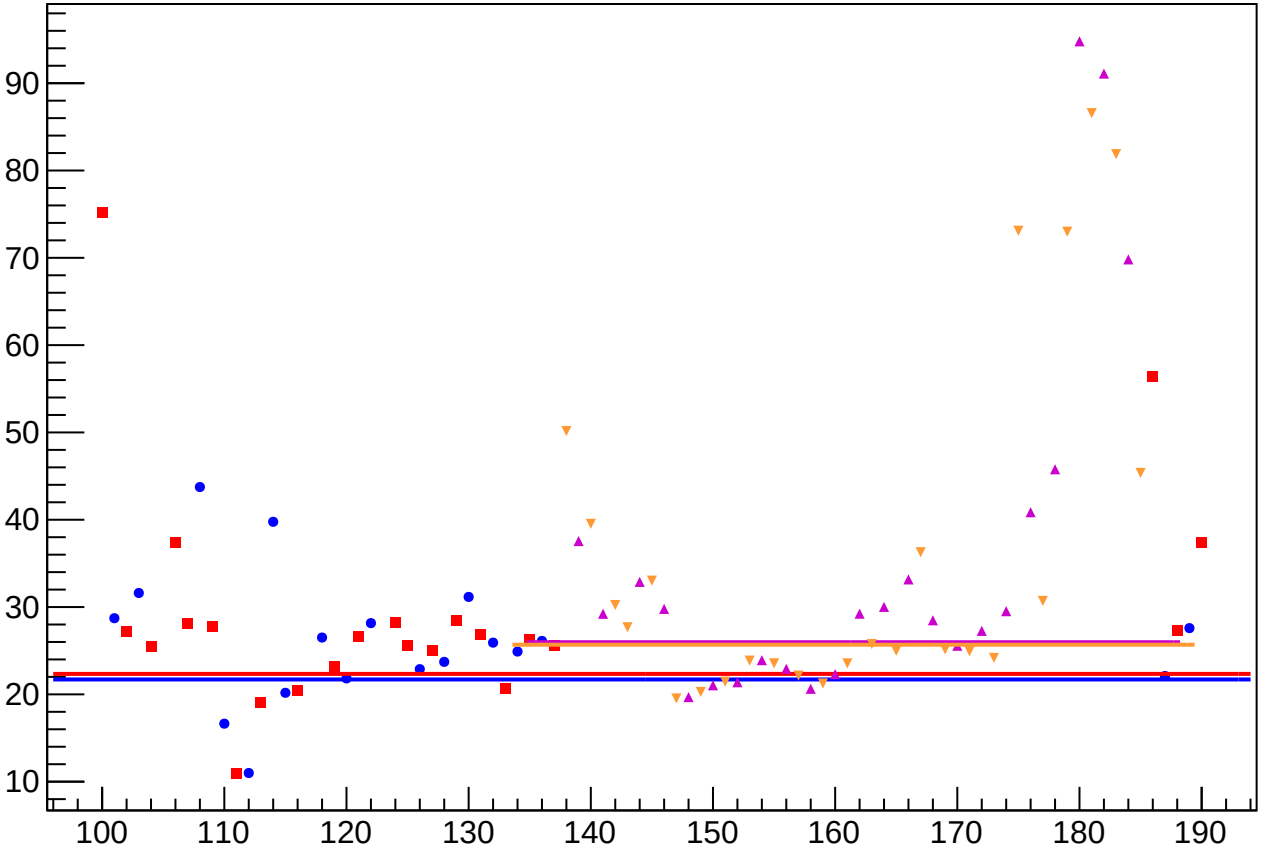
Right: 0.008+/-0.006 χ^2/NDF: 49.6/39

In: 0.011+/-0.005 χ^2/NDF:49.1/40

Out: -0.005+/-0.005 χ^2/NDF:49.8/46

All: 0.003+/-0.004 χ^2/NDF: 103.7/87

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 22.344+/-0.006 χ^2/NDF: 1762312.4/21

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

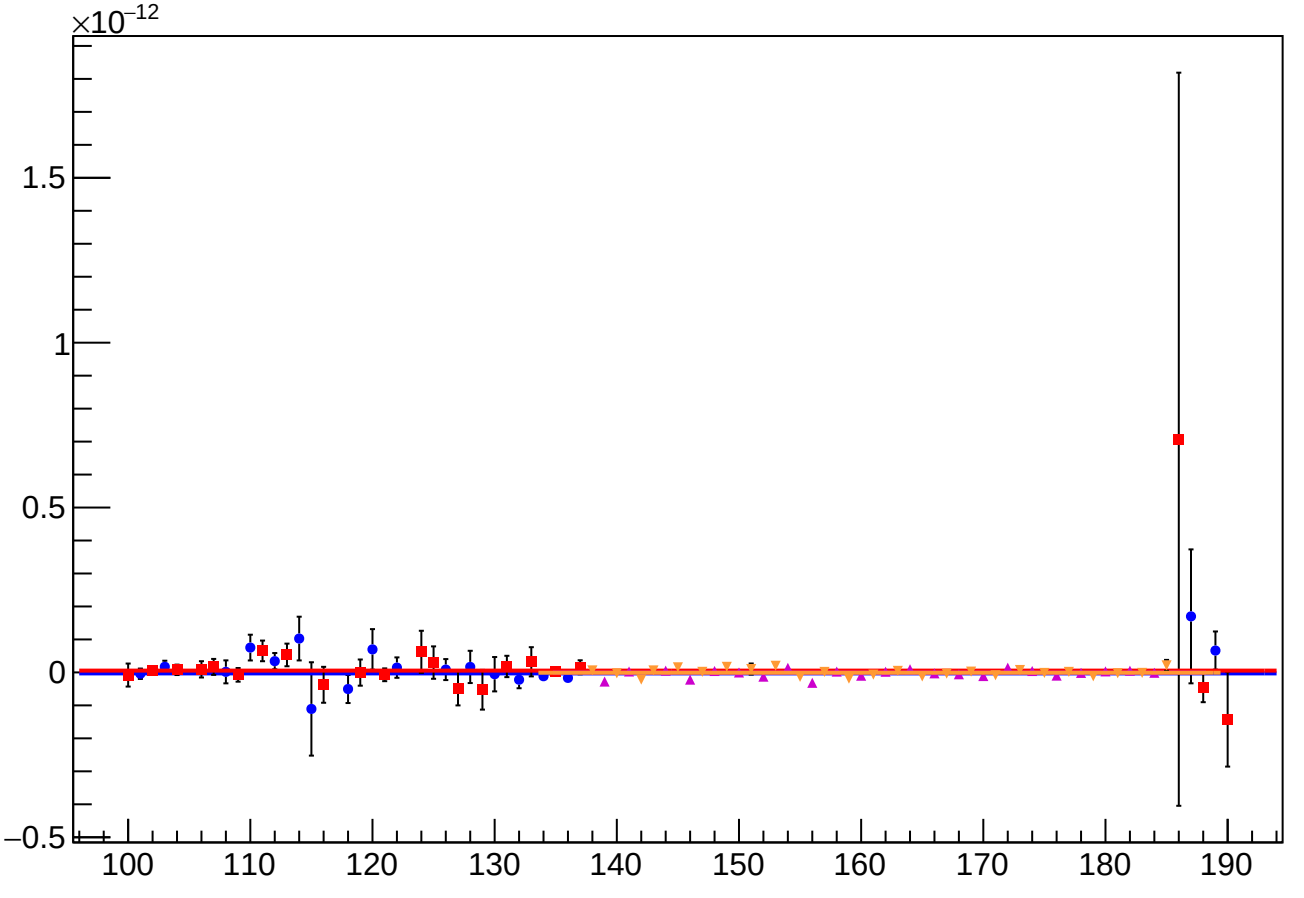
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 22.037+/-0.004 χ^2/NDF: 3350386.2/39

In: 24.335+/-0.004 χ^2/NDF:5018554.4/40

Out: 24.396+/-0.004 χ^2/NDF:5844494.0/46

All: 24.366+/-0.003 χ^2/NDF: 10863192.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/21

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

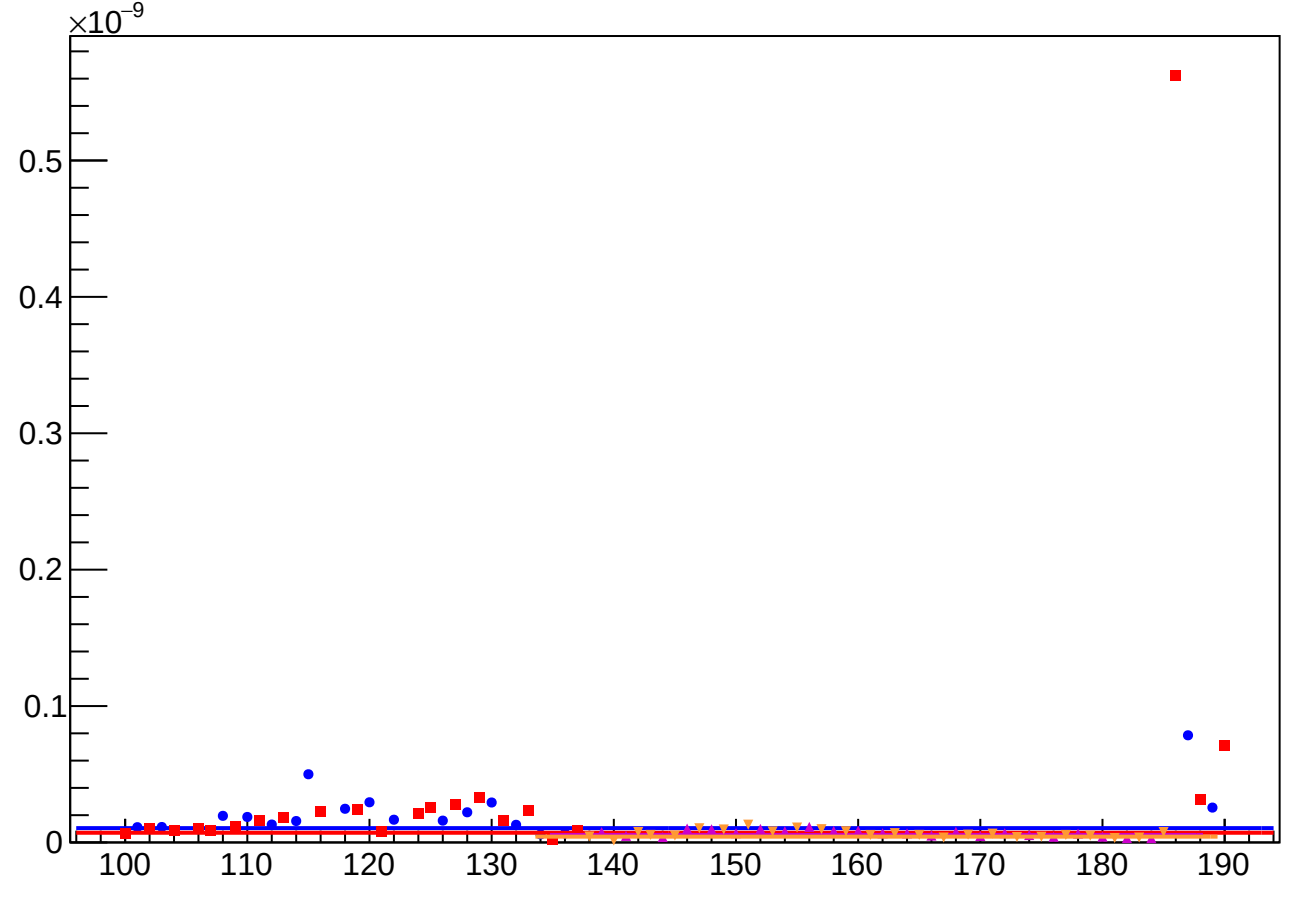
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 34.9/39

In: -0.000+/-0.000 χ^2/NDF:49.2/40

Out: -0.000+/-0.000 χ^2/NDF:44.9/46

All: -0.000+/-0.000 χ^2/NDF: 94.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 2313490.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5516772.5/21

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

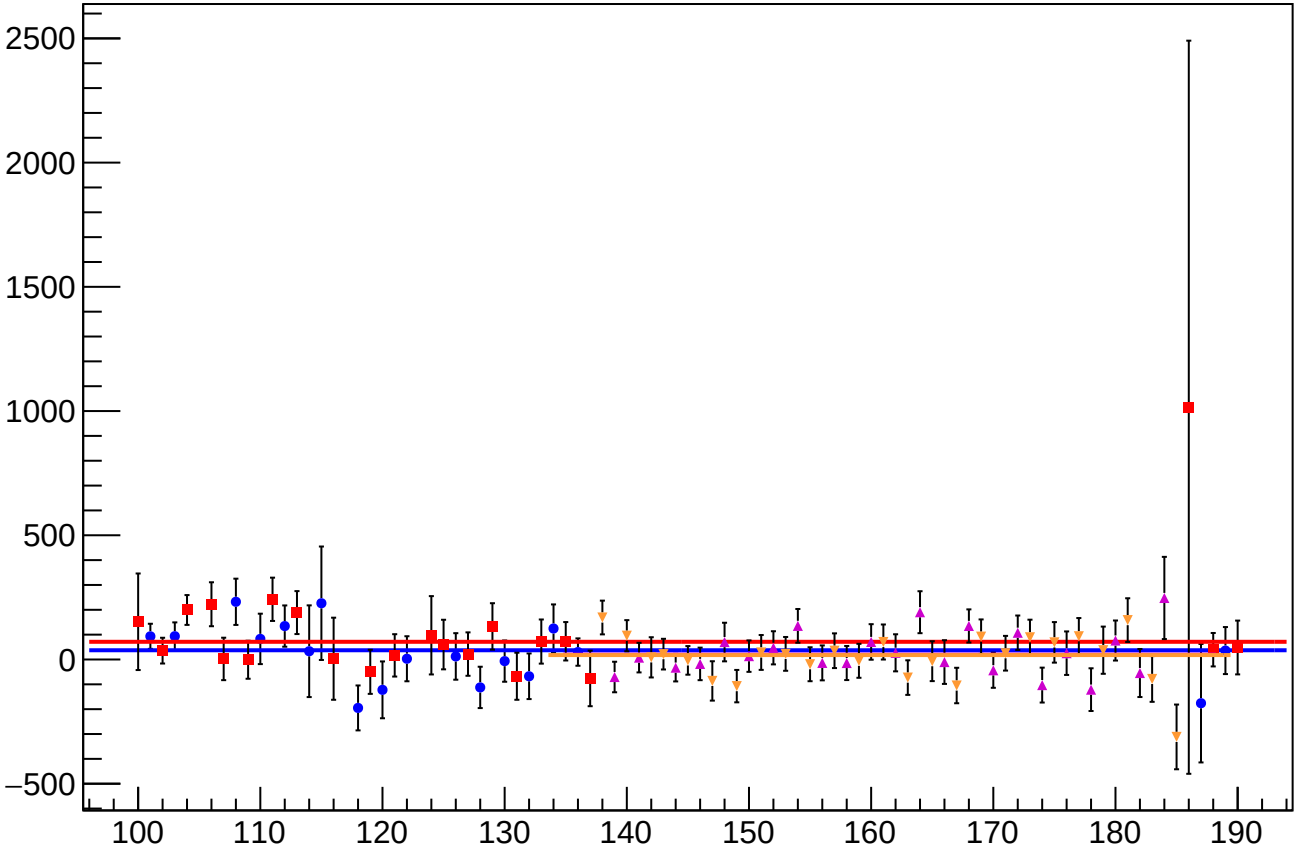
Right: 0.000+/-0.000 χ^2/NDF: 8304429.4/39

In: 0.000+/-0.000 χ^2/NDF:6682668.4/40

Out: 0.000+/-0.000 χ^2/NDF:11710923.8/46

All: 0.000+/-0.000 χ^2/NDF: 19250406.2/87

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.163+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.226+/-18.710 χ^2/NDF: 23.2/21

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

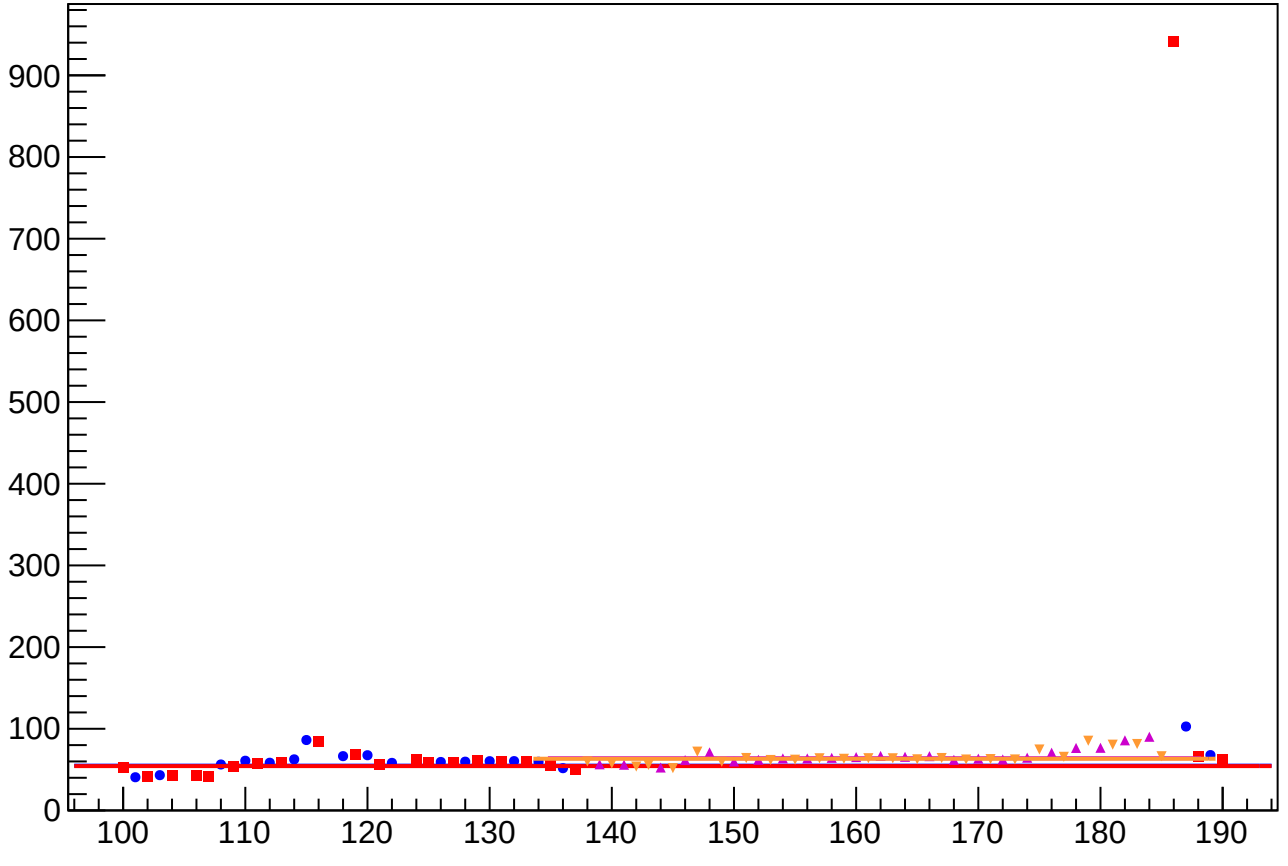
Right: 55.231+/-13.626 χ^2/NDF: 48.8/39

In: 26.018+/-11.995 χ^2/NDF:50.8/40

Out: 37.840+/-11.459 χ^2/NDF:59.8/46

All: 32.199+/-8.286 χ^2/NDF: 111.2/87

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.865+/-0.014 χ^2/NDF: 515662.1/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.288+/-0.013 χ^2/NDF: 1224656.1/21

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

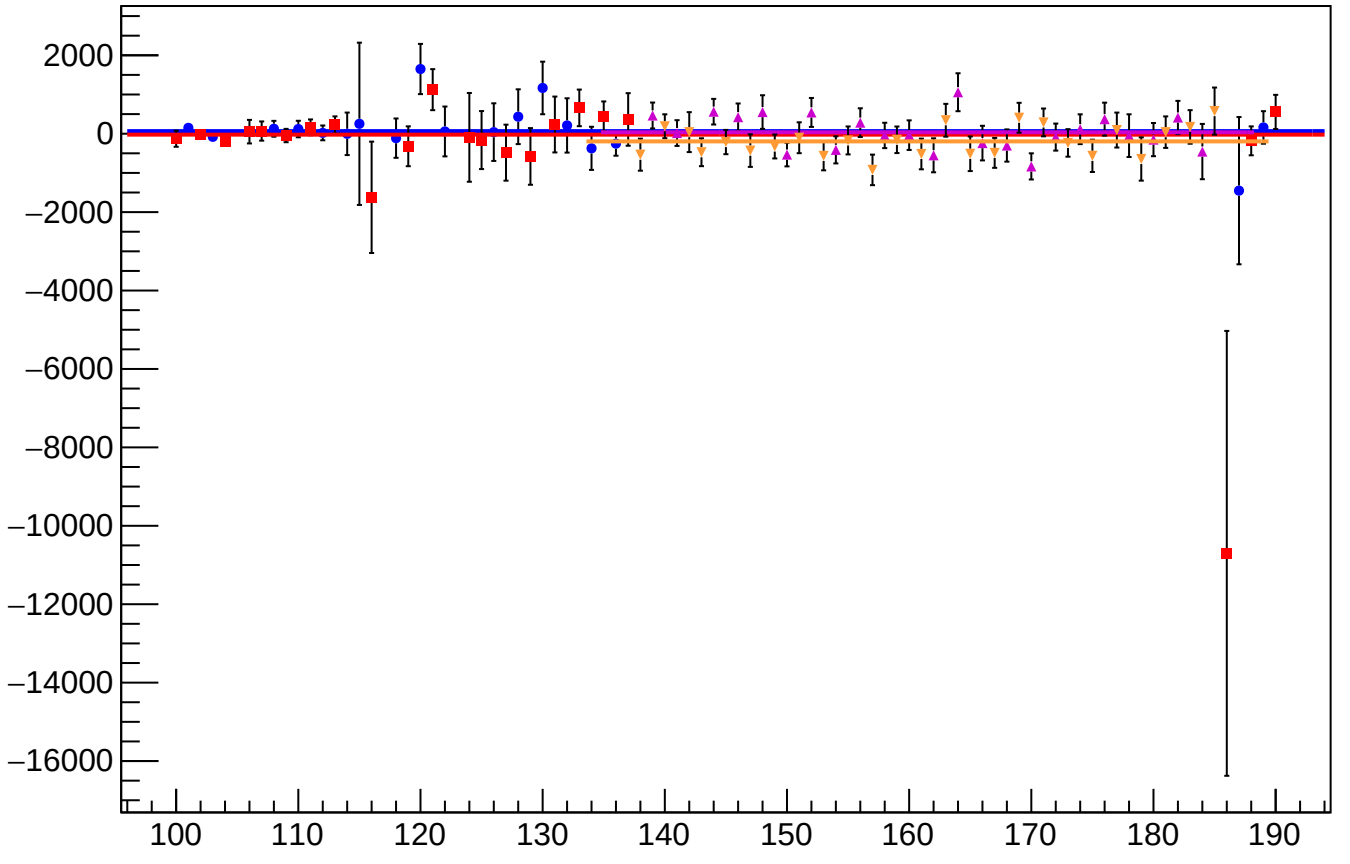
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 54.559+/-0.010 χ^2/NDF: 1741210.3/39

In: 60.624+/-0.008 χ^2/NDF:1224682.7/40

Out: 59.928+/-0.008 χ^2/NDF:2012844.7/46

All: 60.260+/-0.006 χ^2/NDF: 3241049.1/87



Right In: 66.100+/-46.175 χ^2/NDF: 16.4/17

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -23.881+/-49.504 χ^2/NDF: 23.5/21

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

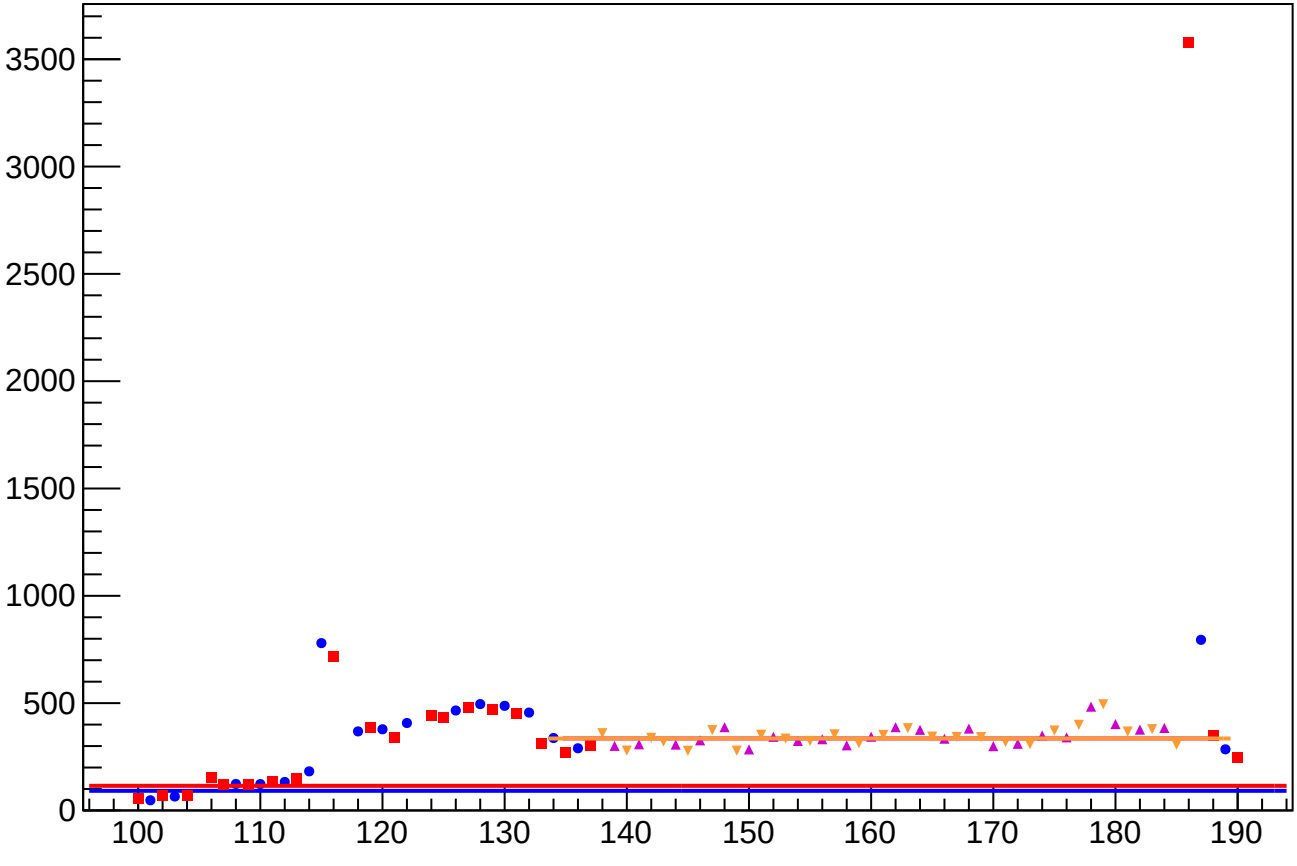
Right: 24.236+/-33.766 χ^2/NDF: 41.7/39

In: 58.571+/-39.892 χ^2/NDF:47.6/40

Out: -74.121+/-41.655 χ^2/NDF:47.6/46

All: -4.908+/-28.811 χ^2/NDF: 100.5/87

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 91.518+/-0.033 χ^2/NDF: 7370946.0/17

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 114.785+/-0.035 χ^2/NDF: 7128366.2/21

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

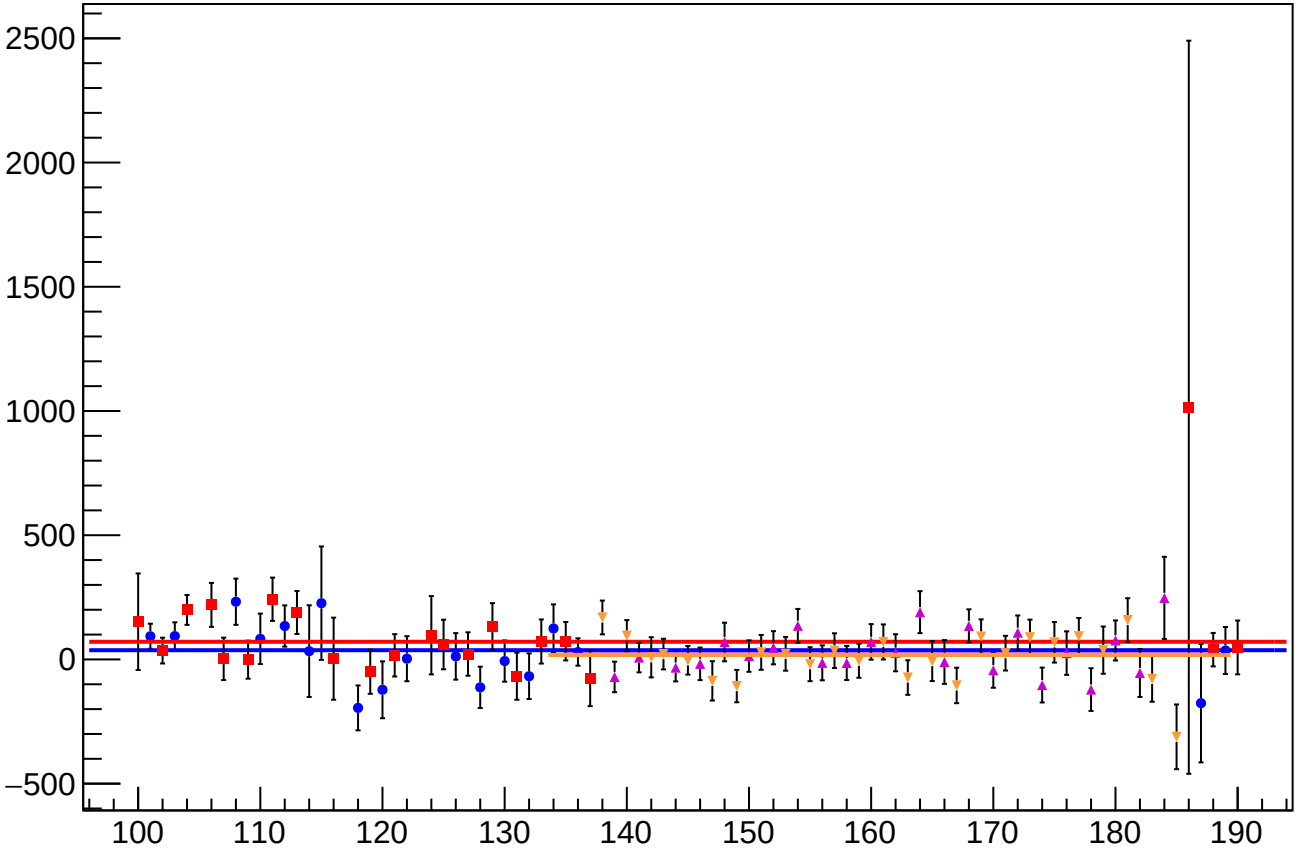
Right: 102.343+/-0.024 χ^2/NDF: 14735563.3/39

In: 153.407+/-0.028 χ^2/NDF:22031600.9/40

Out: 179.162+/-0.029 χ^2/NDF:19276335.6/46

All: 165.728+/-0.020 χ^2/NDF: 41706752.1/87

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.174+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.103+/-18.711 χ^2/NDF: 23.0/21

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

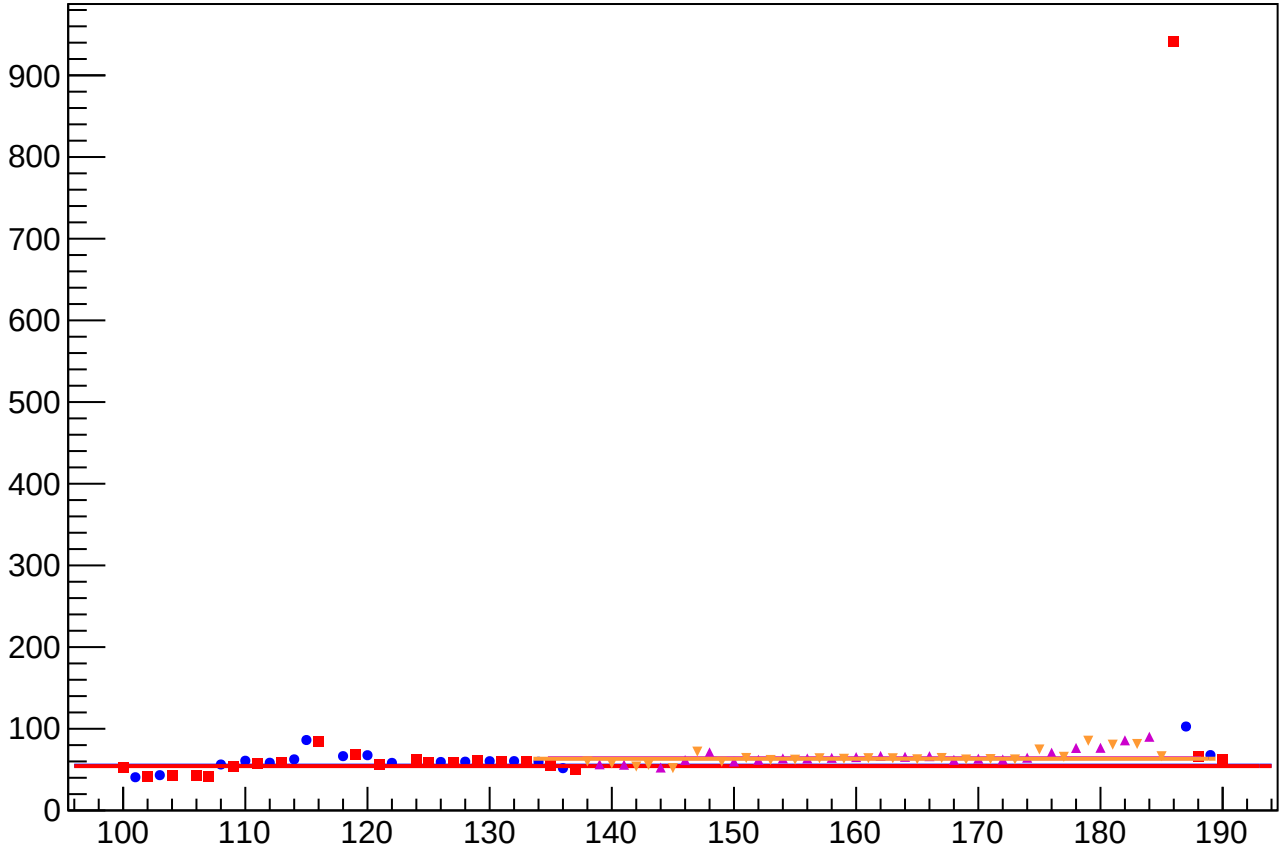
Right: 55.170+/-13.627 χ^2/NDF: 48.7/39

In: 26.022+/-11.995 χ^2/NDF:50.8/40

Out: 37.794+/-11.459 χ^2/NDF:59.7/46

All: 32.177+/-8.286 χ^2/NDF: 111.0/87

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.865+/-0.014 χ^2/NDF: 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.286+/-0.013 χ^2/NDF: 1224994.3/21

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

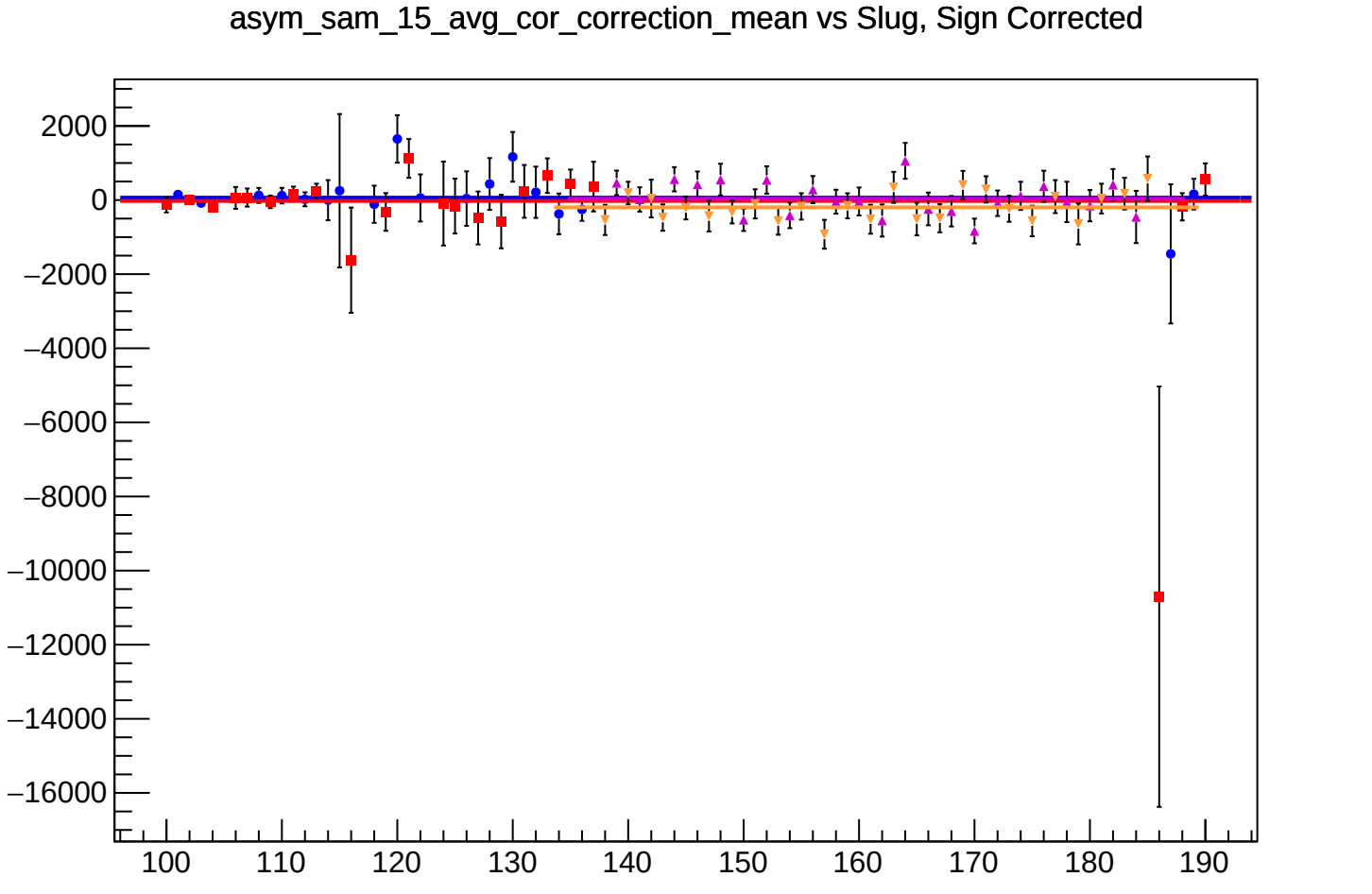
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 54.558+/-0.010 χ^2/NDF: 1741553.4/39

In: 60.624+/-0.008 χ^2/NDF:1224681.7/40

Out: 59.927+/-0.008 χ^2/NDF:2013277.8/46

All: 60.259+/-0.006 χ^2/NDF: 3241485.3/87



Right In: 66.104+/-46.174 χ^2/NDF: 16.4/17

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -23.457+/-49.463 χ^2/NDF: 23.5/21

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

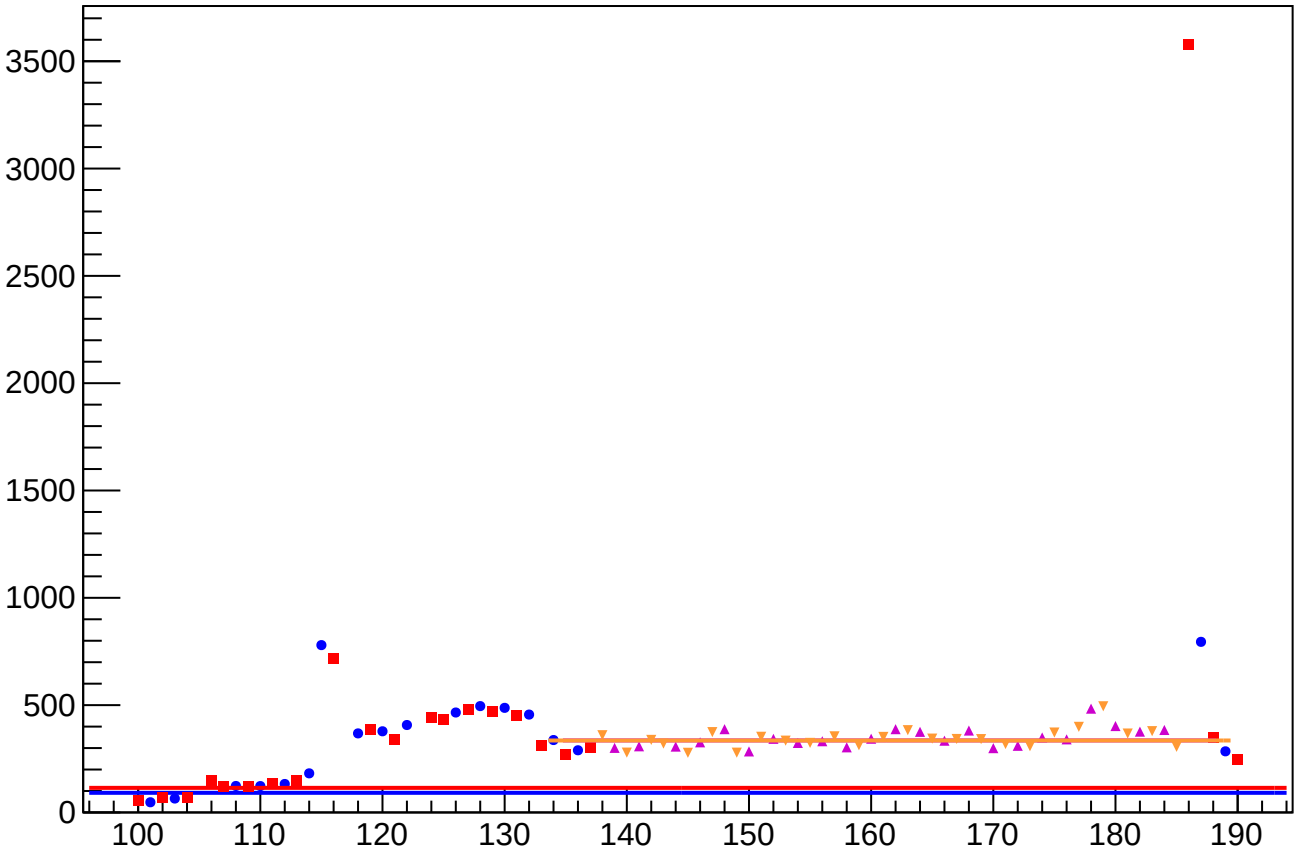
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 24.400+/-33.753 χ^2/NDF: 41.7/39

In: 58.574+/-39.891 χ^2/NDF:47.6/40

Out: -73.760+/-41.630 χ^2/NDF:47.7/46

All: -4.772+/-28.803 χ^2/NDF: 100.5/87



Right In: 91.515+/-0.033 χ^2/NDF: 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 114.601+/-0.035 χ^2/NDF: 7122251.5/21

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

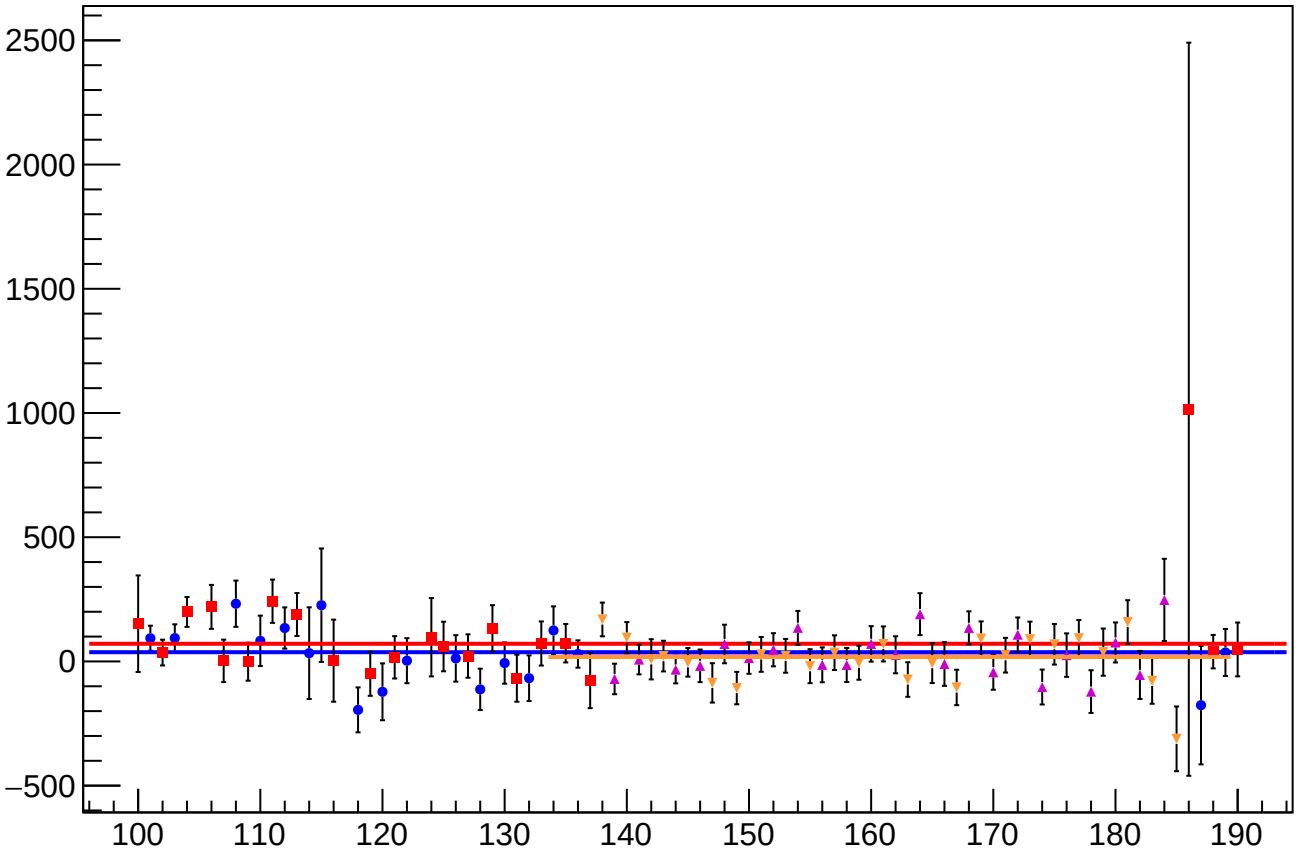
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 102.265+/-0.024 χ^2/NDF: 14726091.4/39

In: 153.403+/-0.028 χ^2/NDF:22032149.6/40

Out: 178.957+/-0.029 χ^2/NDF:19295107.1/46

All: 165.635+/-0.020 χ^2/NDF: 41720111.6/87



Right In: 37.174+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.103+/-18.711 χ^2/NDF: 23.0/21

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

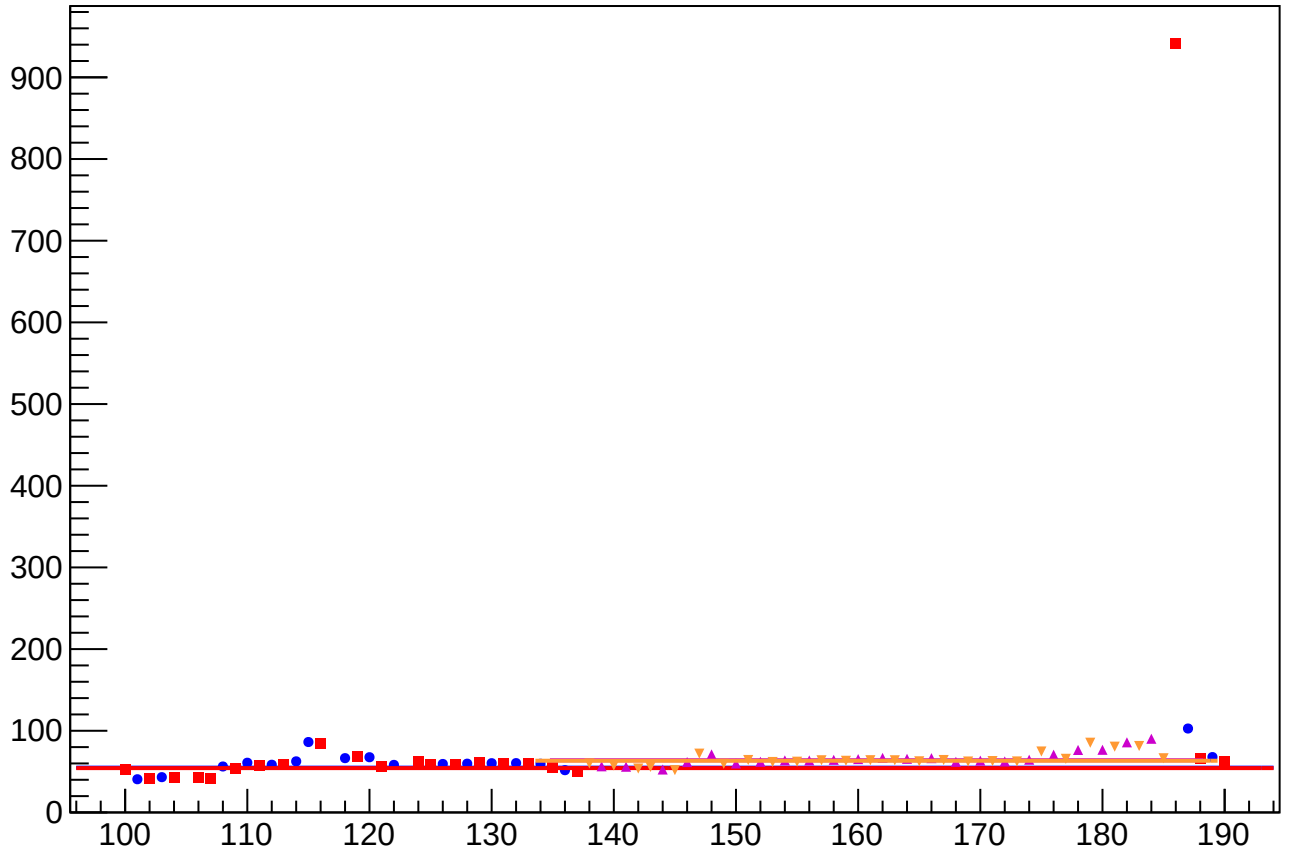
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 55.170+/-13.627 χ^2/NDF: 48.7/39

In: 26.022+/-11.995 χ^2/NDF:50.8/40

Out: 37.794+/-11.459 χ^2/NDF:59.7/46

All: 32.177+/-8.286 χ^2/NDF: 111.0/87



Right In: 54.865+/-0.014 χ^2/NDF: 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.286+/-0.013 χ^2/NDF: 1224994.3/21

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

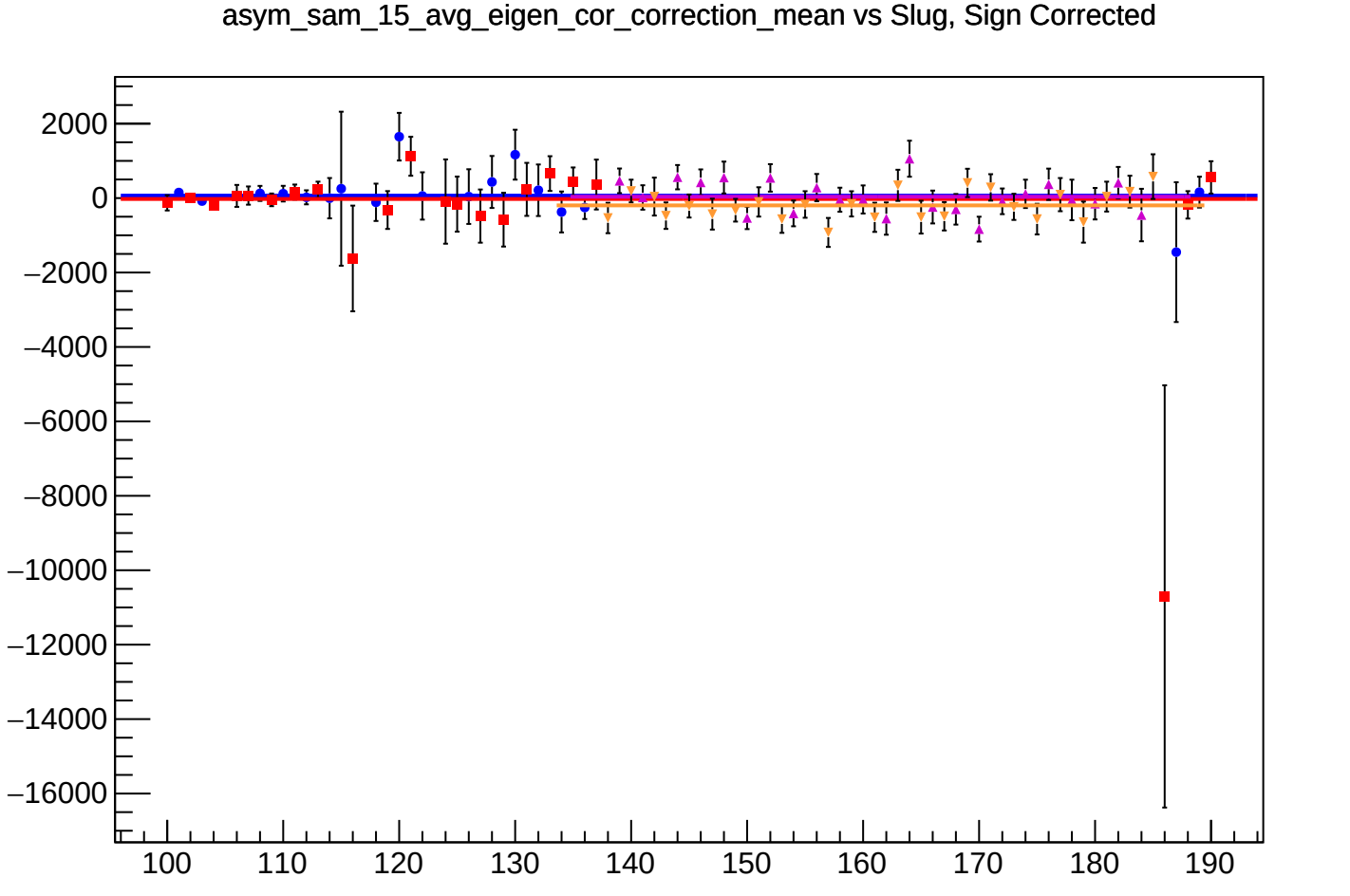
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

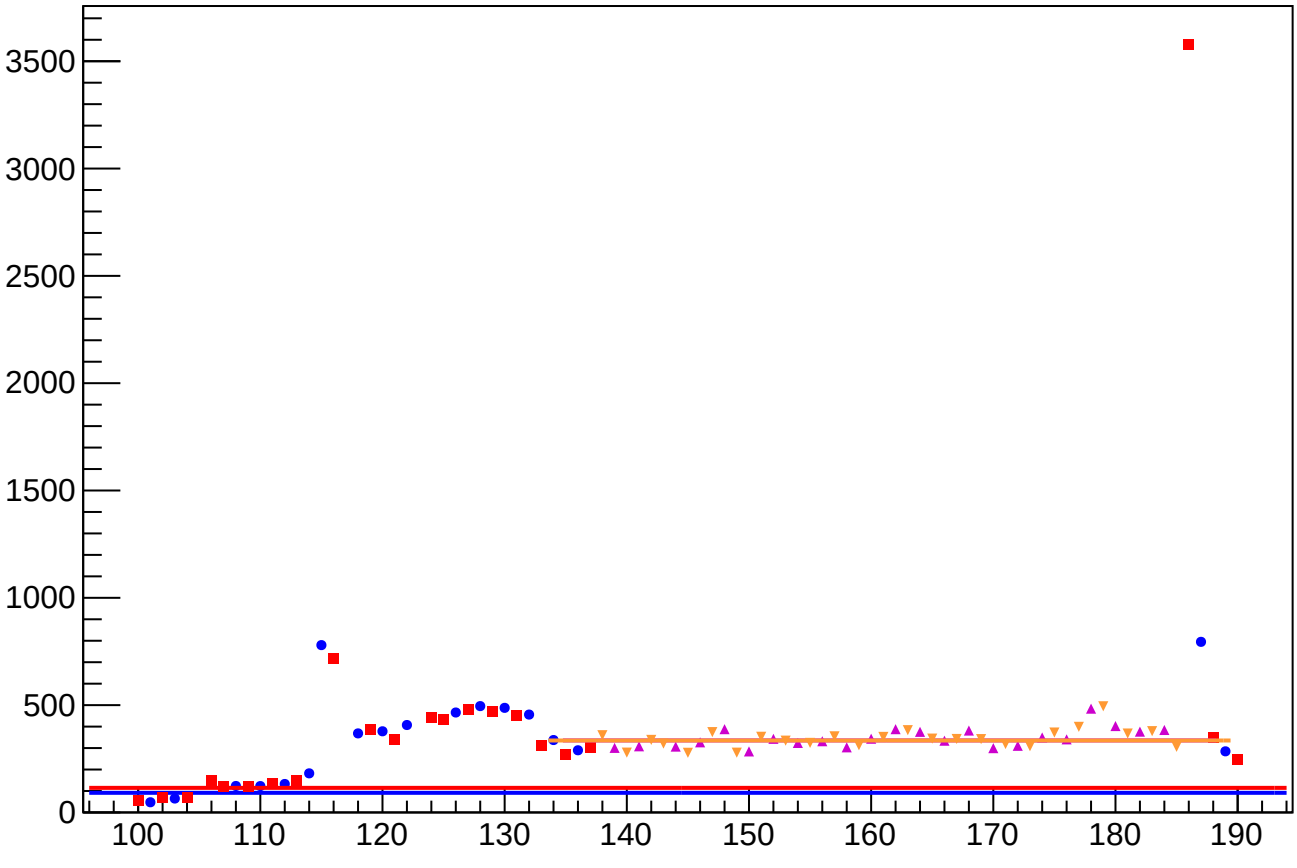
Right: 54.558+/-0.010 χ^2/NDF: 1741553.4/39

In: 60.624+/-0.008 χ^2/NDF:1224681.7/40

Out: 59.927+/-0.008 χ^2/NDF:2013277.8/46

All: 60.259+/-0.006 χ^2/NDF: 3241485.3/87


asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
190
Right In: 66.104+/-46.174 χ²/NDF: 16.4/17
Left Out: -195.942+/-77.088 χ²/NDF:20.6/24
Right Out: -23.457+/-49.463 χ²/NDF: 23.5/21
Left In: 36.414+/-79.210 χ²/NDF:31.1/22
Left: -82.918+/-55.244 χ²/NDF: 56.1/47
Right: 24.400+/-33.753 χ²/NDF: 41.7/39
In: 58.574+/-39.891 χ²/NDF:47.6/40
Out: -73.760+/-41.630 χ²/NDF:47.7/46
All: -4.772+/-28.803 χ²/NDF: 100.5/87



Right In: 91.515+/-0.033 χ^2/NDF: 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 114.601+/-0.035 χ^2/NDF: 7122251.5/21

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

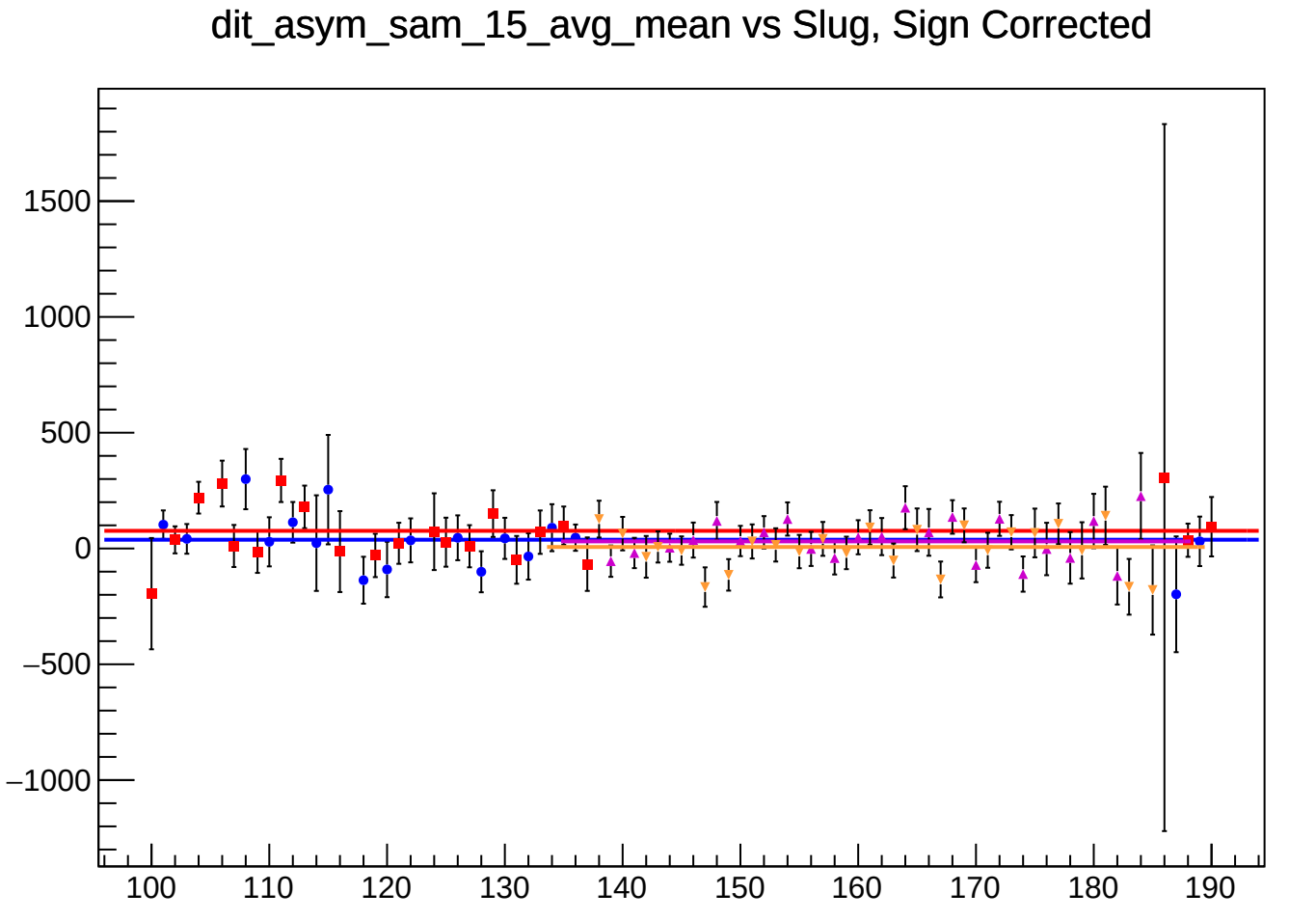
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 102.265+/-0.024 χ^2/NDF: 14726091.4/39

In: 153.403+/-0.028 χ^2/NDF:22032149.6/40

Out: 178.957+/-0.029 χ^2/NDF:19295107.1/46

All: 165.635+/-0.020 χ^2/NDF: 41720111.6/87



Right In: 37.812+/-21.946 χ^2/NDF: 15.0/17

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 76.260+/-20.398 χ^2/NDF: 25.2/21

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

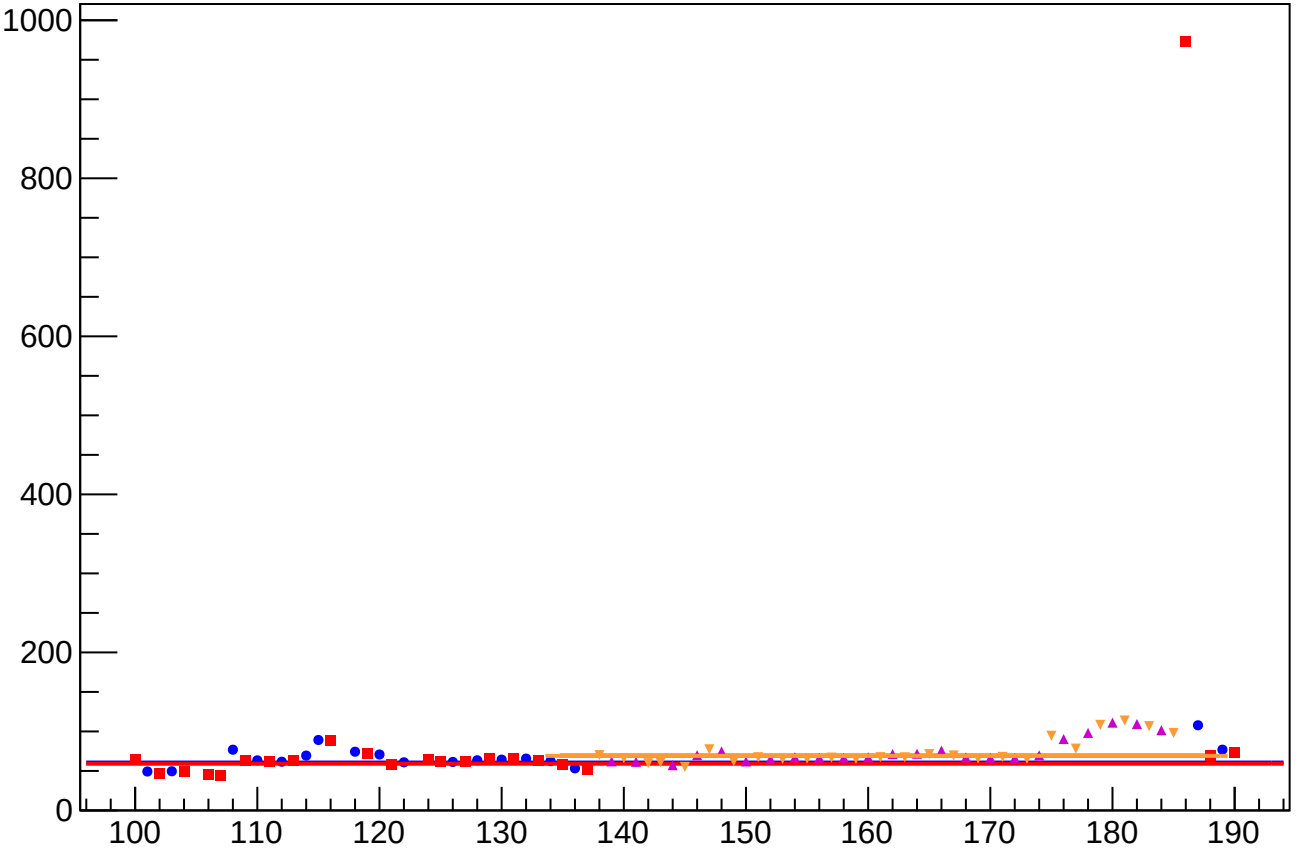
Right: 58.440+/-14.941 χ^2/NDF: 41.9/39

In: 33.245+/-13.190 χ^2/NDF:37.6/40

Out: 33.007+/-12.578 χ^2/NDF:57.5/46

All: 33.120+/-9.103 χ^2/NDF: 95.1/87

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 60.615+/-0.016 χ^2/NDF: 405764.8/17

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 59.123+/-0.014 χ^2/NDF: 1143967.0/21

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

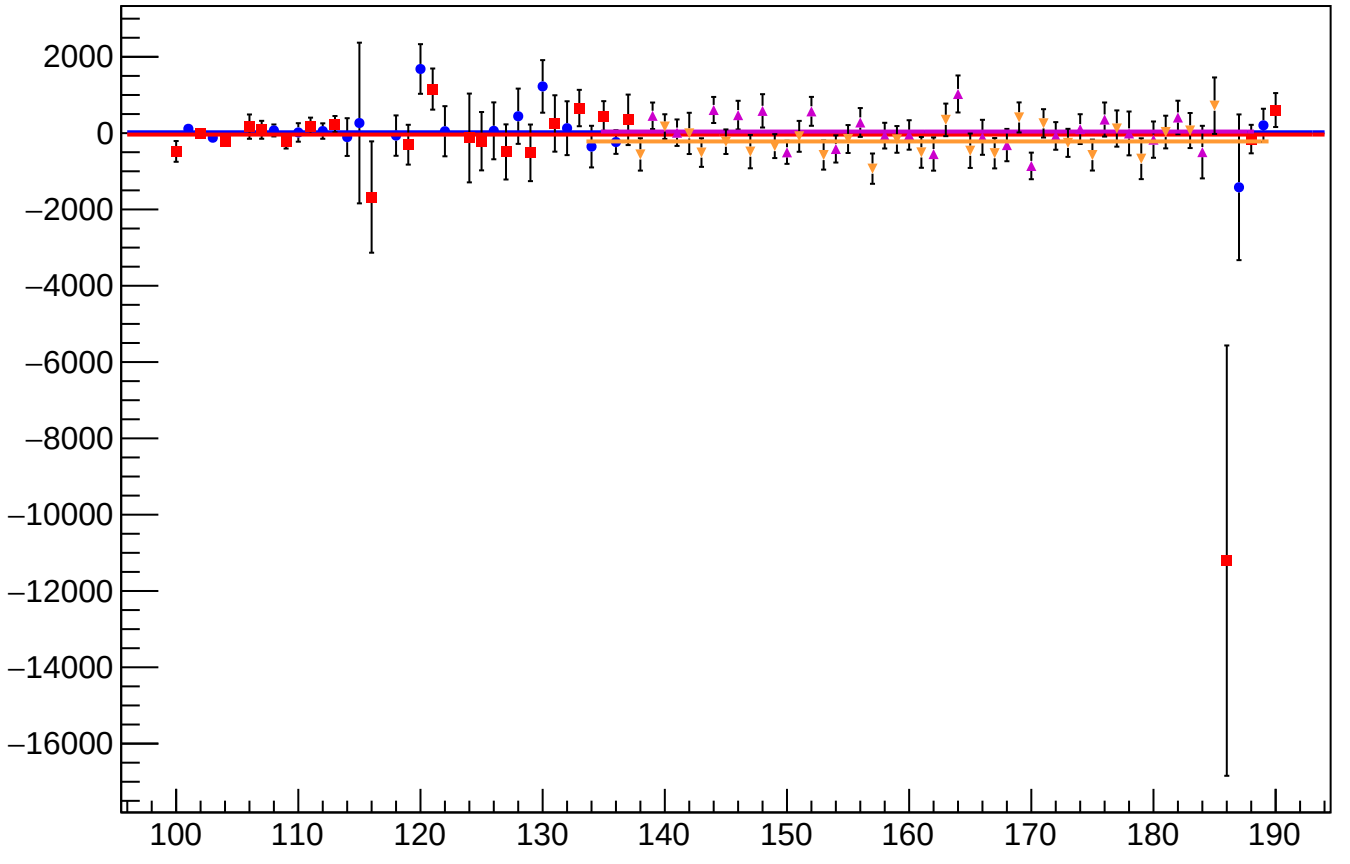
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 59.815+/-0.011 χ^2/NDF: 1554689.3/39

In: 66.250+/-0.009 χ^2/NDF:1536797.0/40

Out: 65.293+/-0.009 χ^2/NDF:2513223.2/46

All: 65.749+/-0.006 χ^2/NDF: 4055530.7/87



Right In: 22.474+/-53.162 χ^2/NDF: 15.4/17

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -37.475+/-52.310 χ^2/NDF: 27.6/21

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

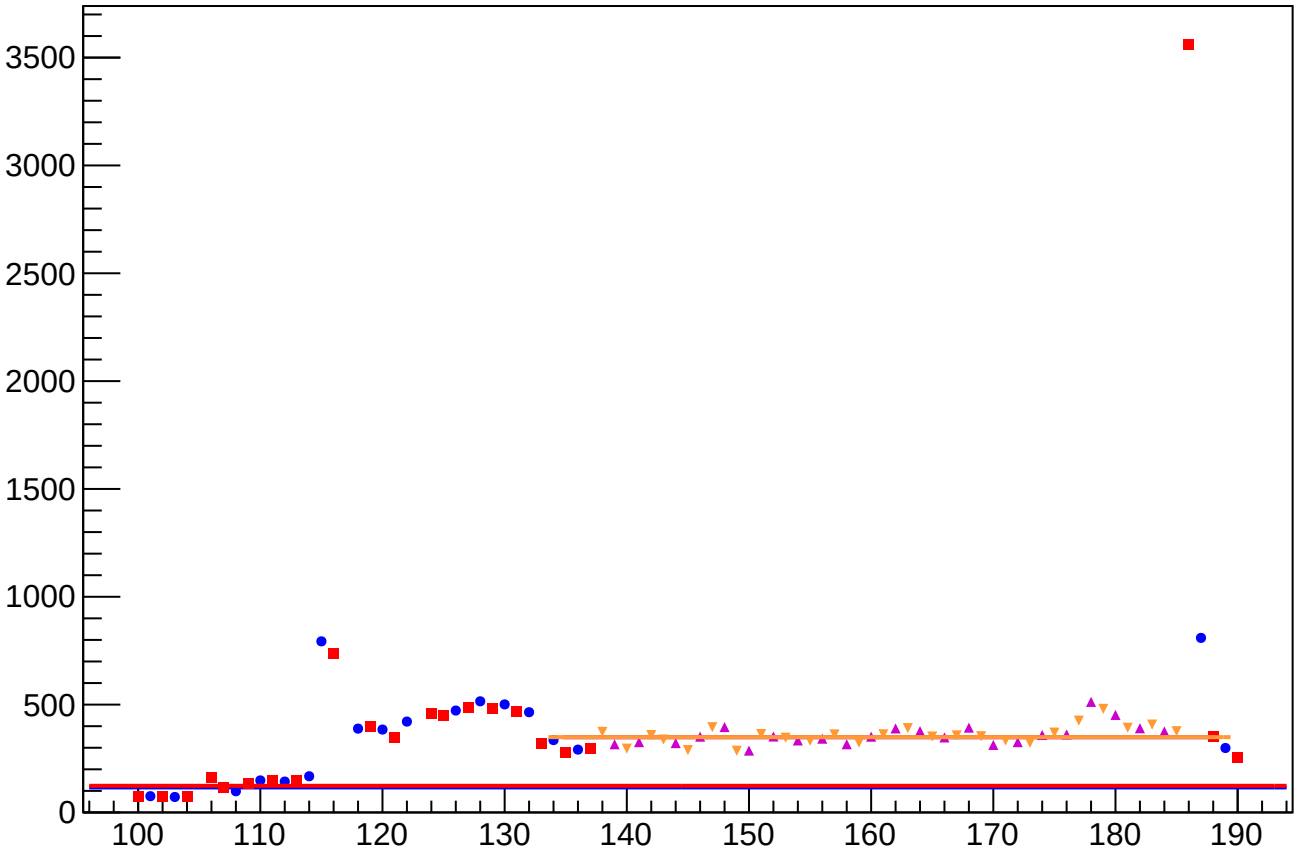
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -7.984+/-37.286 χ^2/NDF: 43.6/39

In: 28.083+/-44.649 χ^2/NDF:45.4/40

Out: -91.222+/-43.803 χ^2/NDF:50.5/46

All: -32.709+/-31.268 χ^2/NDF: 99.5/87



Right In: 115.995+/-0.038 χ^2/NDF: 6225388.7/17

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 123.570+/-0.037 χ^2/NDF: 6845357.0/21

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

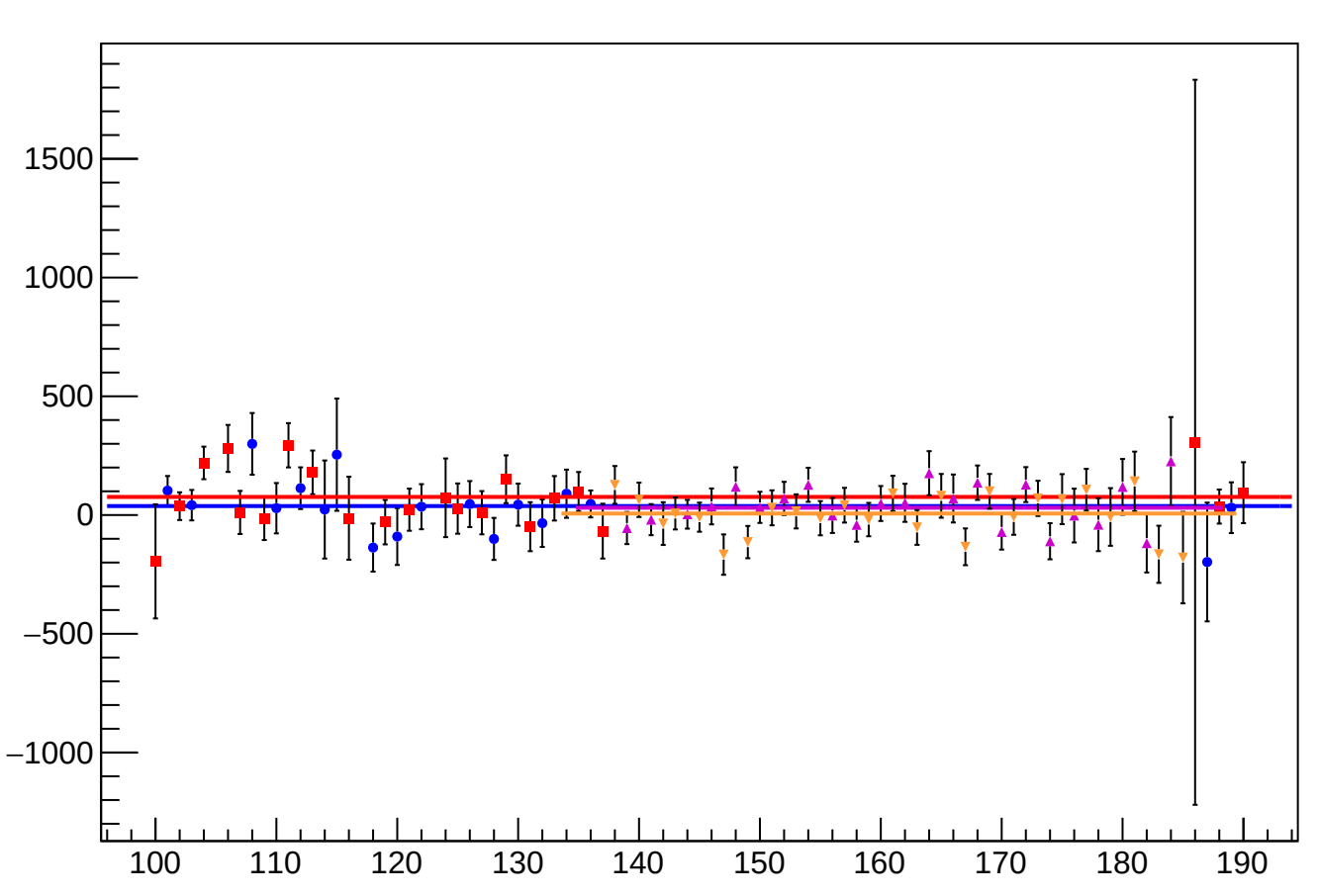
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 119.844+/-0.026 χ^2/NDF: 13091376.4/39

In: 184.516+/-0.032 χ^2/NDF:18028218.9/40

Out: 190.982+/-0.031 χ^2/NDF:18485404.1/46

All: 187.811+/-0.022 χ^2/NDF: 36534999.3/87



Right In: 37.812+/-21.946 χ^2/NDF: 15.0/17

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 76.260+/-20.398 χ^2/NDF: 25.2/21

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

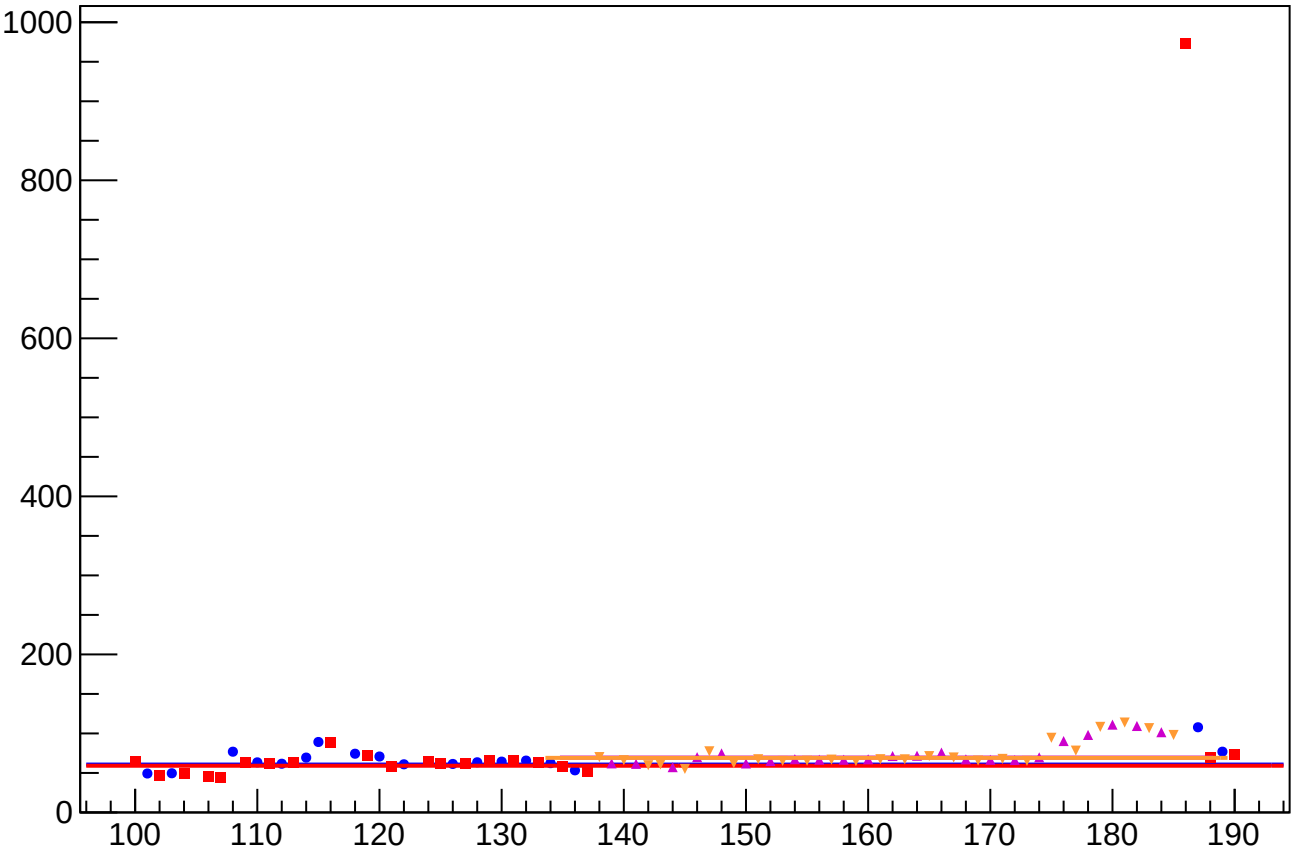
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 58.439+/-14.941 χ^2/NDF: 41.9/39

In: 33.245+/-13.190 χ^2/NDF:37.6/40

Out: 33.007+/-12.578 χ^2/NDF:57.5/46

All: 33.120+/-9.103 χ^2/NDF: 95.1/87



Right In: 60.615+/-0.016 χ^2/NDF: 405766.9/17

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 59.123+/-0.014 χ^2/NDF: 1143963.6/21

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

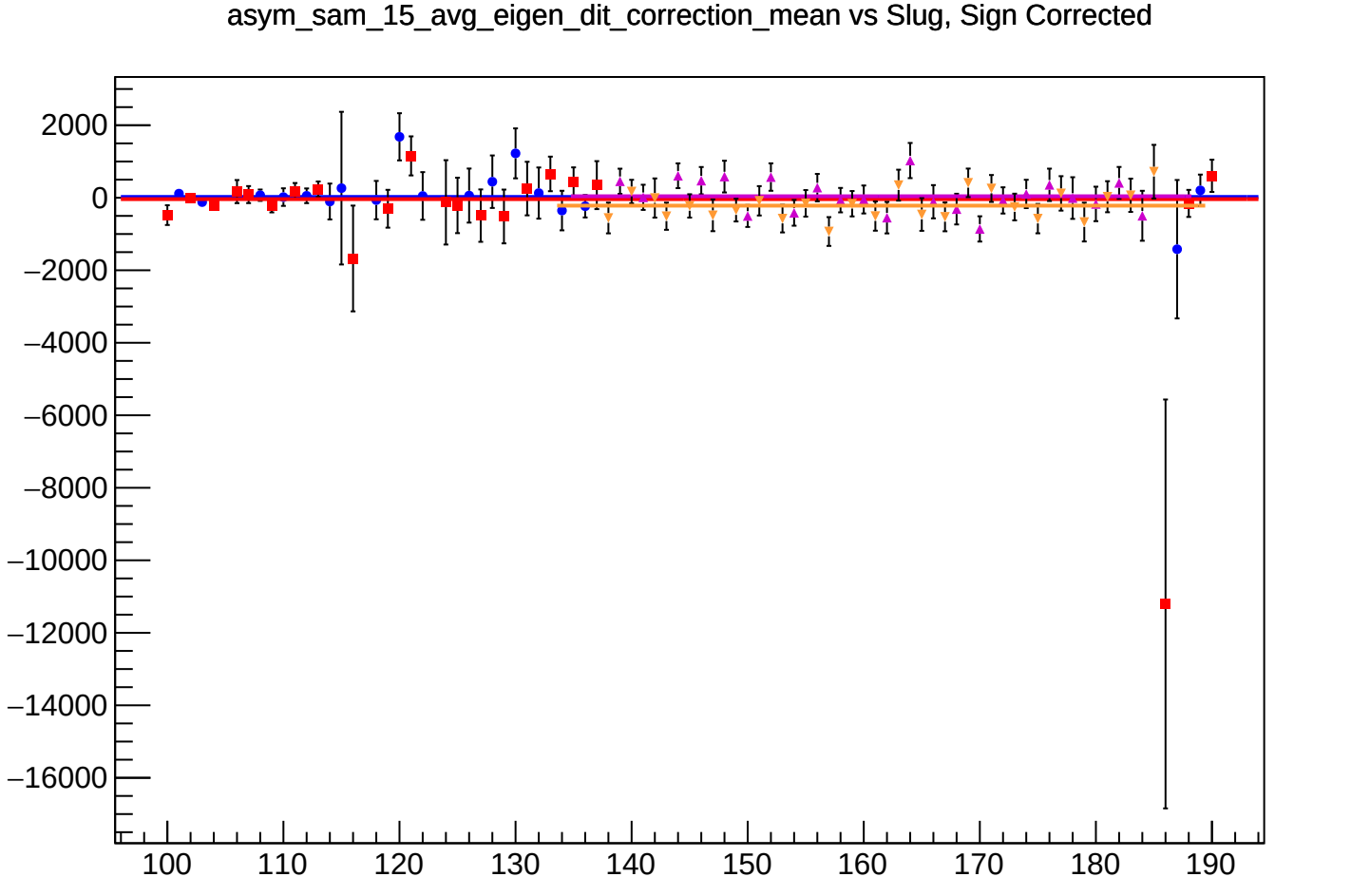
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 59.814+/-0.011 χ^2/NDF: 1554688.0/39

In: 66.250+/-0.009 χ^2/NDF:1536793.3/40

Out: 65.293+/-0.009 χ^2/NDF:2513211.4/46

All: 65.749+/-0.006 χ^2/NDF: 4055515.8/87



Right In: 22.473+/-53.162 χ^2/NDF: 15.4/17

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -37.474+/-52.310 χ^2/NDF: 27.6/21

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

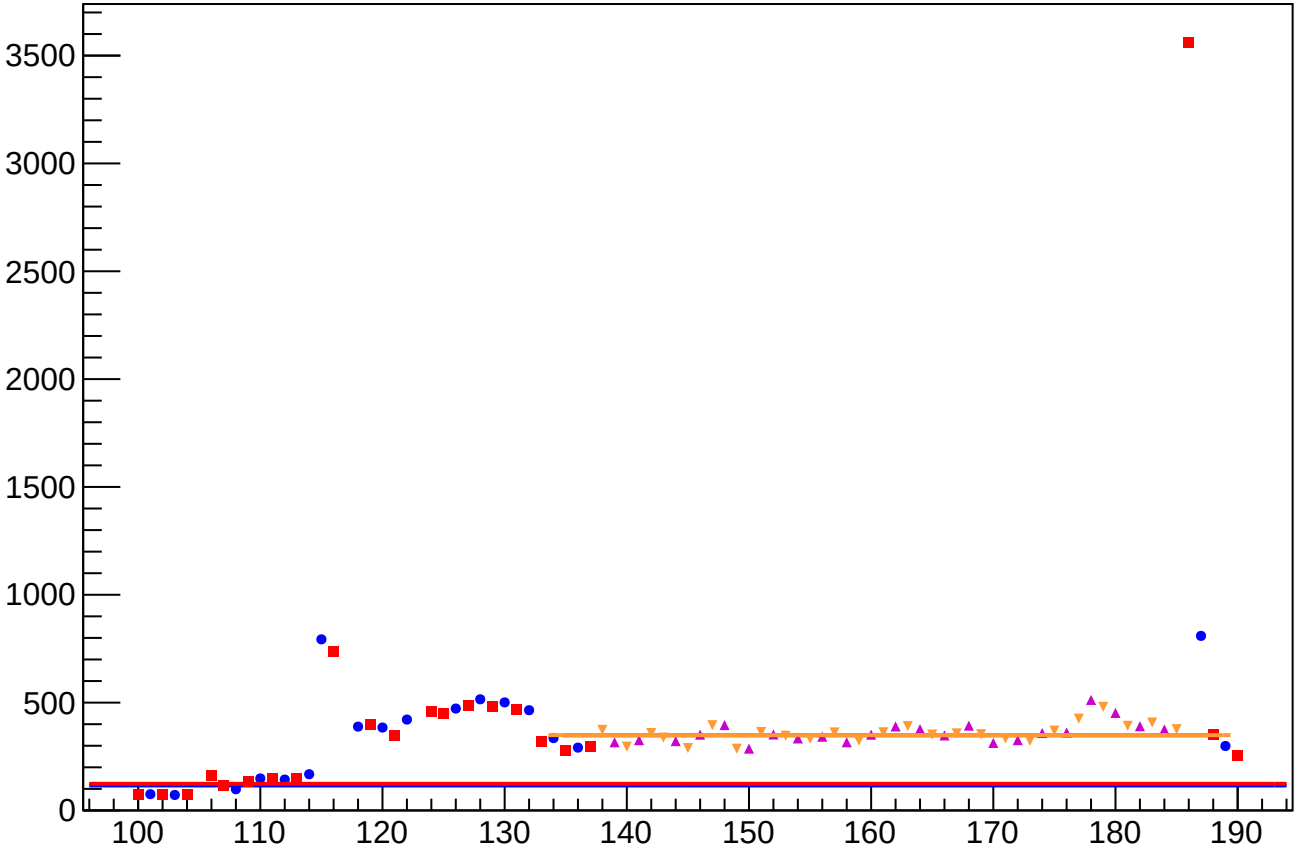
Right: -7.984+/-37.286 χ^2/NDF: 43.6/39

In: 28.083+/-44.649 χ^2/NDF:45.4/40

Out: -91.221+/-43.803 χ^2/NDF:50.5/46

All: -32.709+/-31.268 χ^2/NDF: 99.5/87

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 115.995+/-0.038 χ^2/NDF: 6225390.9/17

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 123.570+/-0.037 χ^2/NDF: 6845368.0/21

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

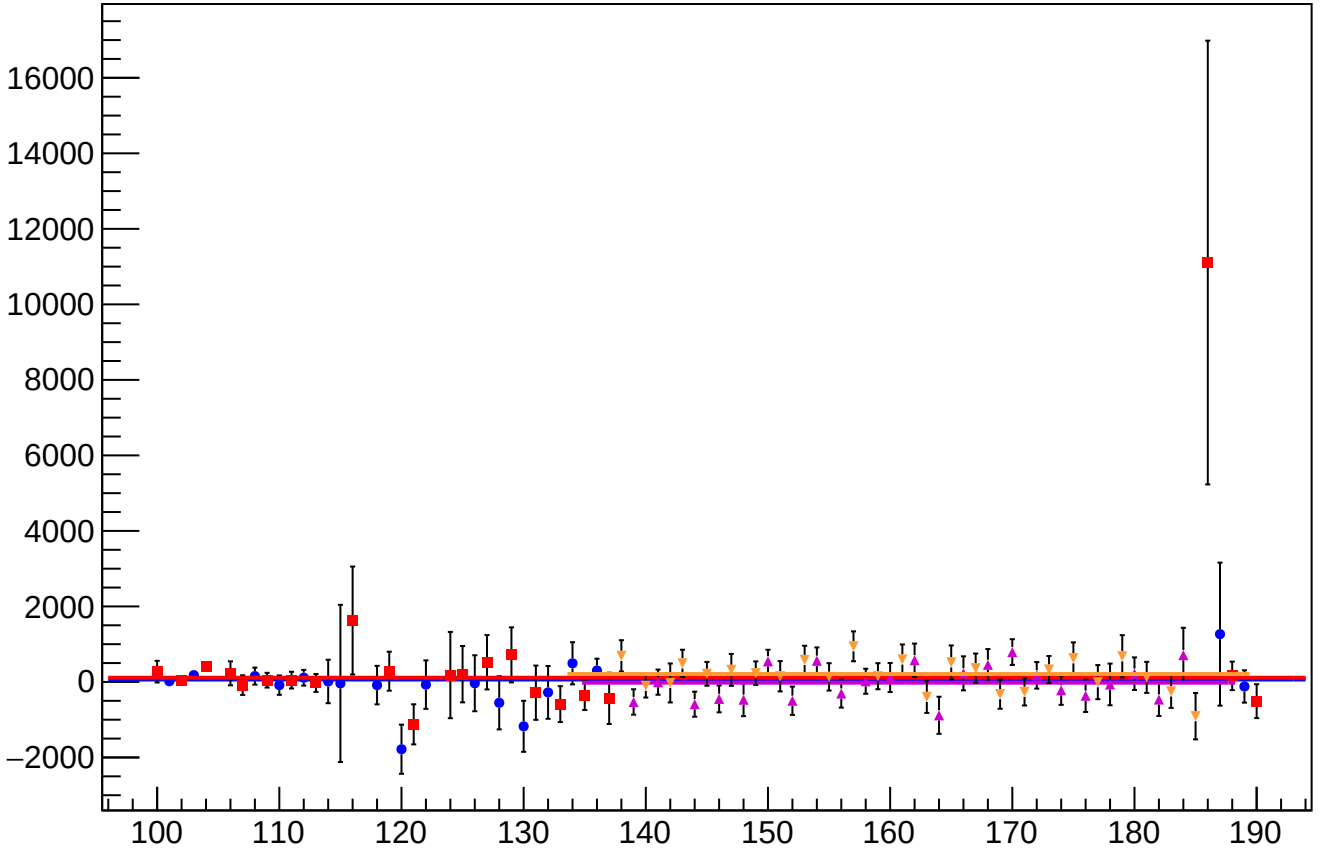
Right: 119.843+/-0.026 χ^2/NDF: 13091389.0/39

In: 184.516+/-0.032 χ^2/NDF:18028282.2/40

Out: 190.982+/-0.031 χ^2/NDF:18485491.0/46

All: 187.811+/-0.022 χ^2/NDF: 36535148.6/87

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 65.268+/-58.584 χ^2/NDF: 16.4/17

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 111.512+/-56.803 χ^2/NDF: 26.6/21

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

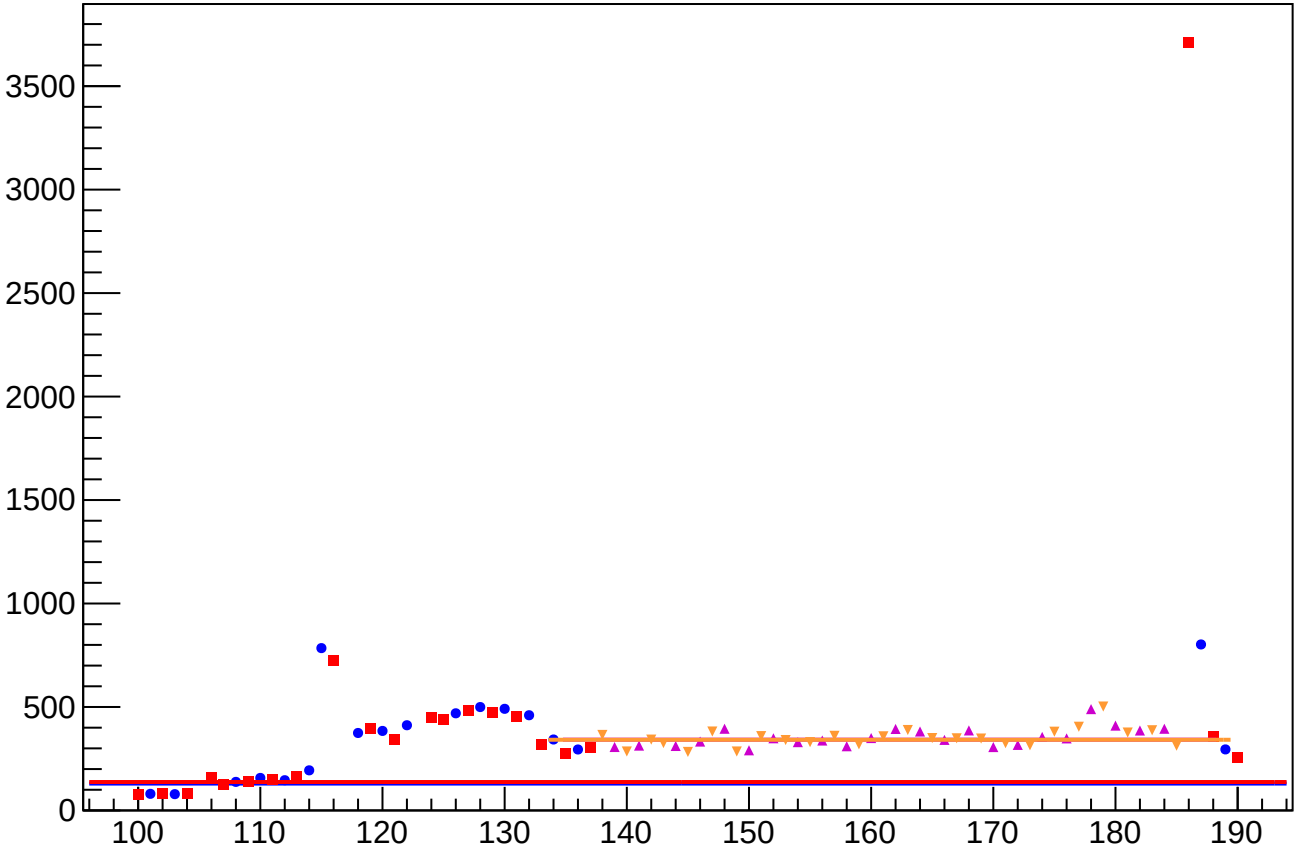
Right: 89.103+/-40.781 χ^2/NDF: 43.3/39

In: 36.275+/-47.409 χ^2/NDF:49.1/40

Out: 145.290+/-46.021 χ^2/NDF:49.0/46

All: 92.401+/-33.022 χ^2/NDF: 100.9/87

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.958+/-0.041 χ^2/NDF: 5777063.8/17

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 137.424+/-0.040 χ^2/NDF: 6235701.9/21

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

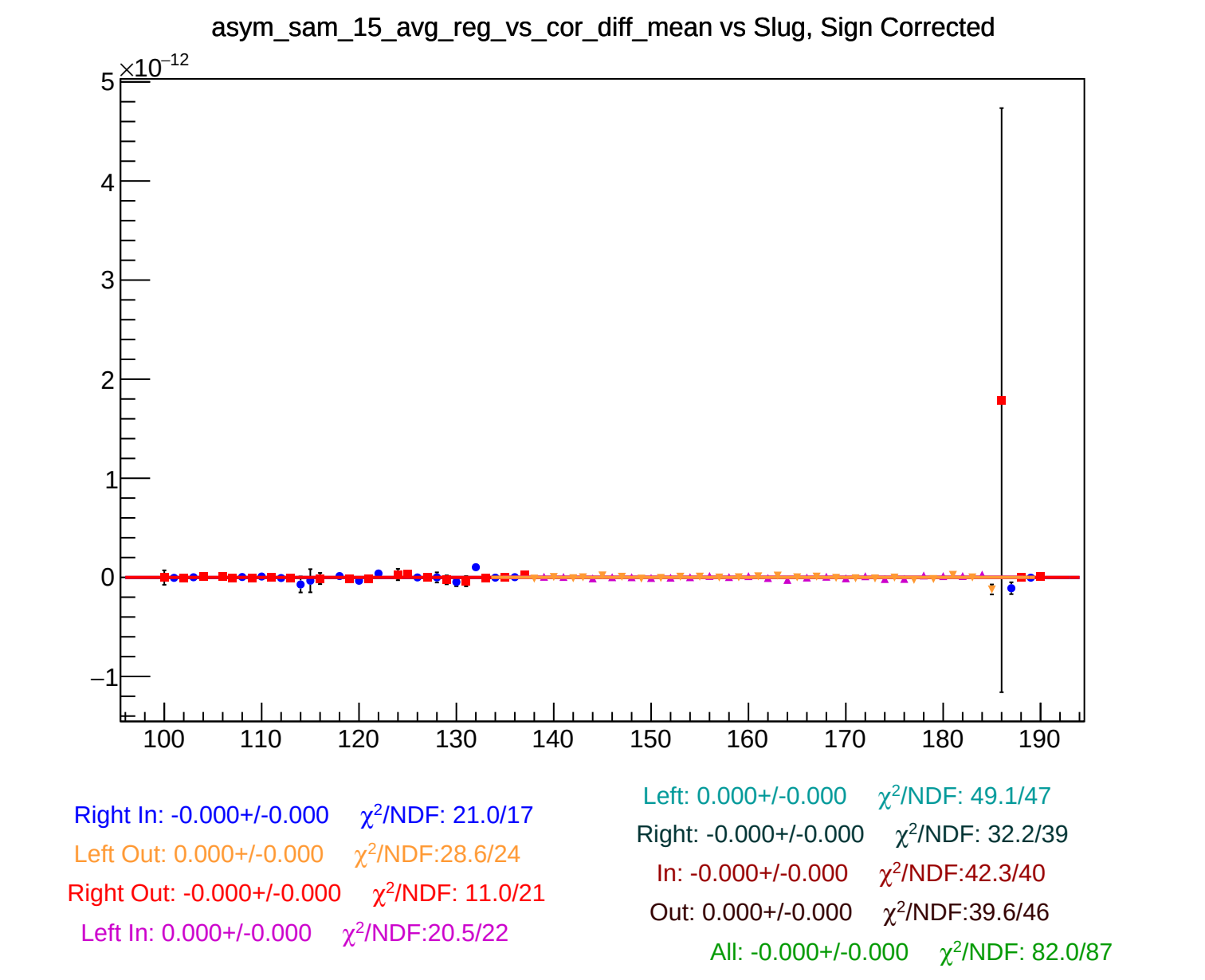
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

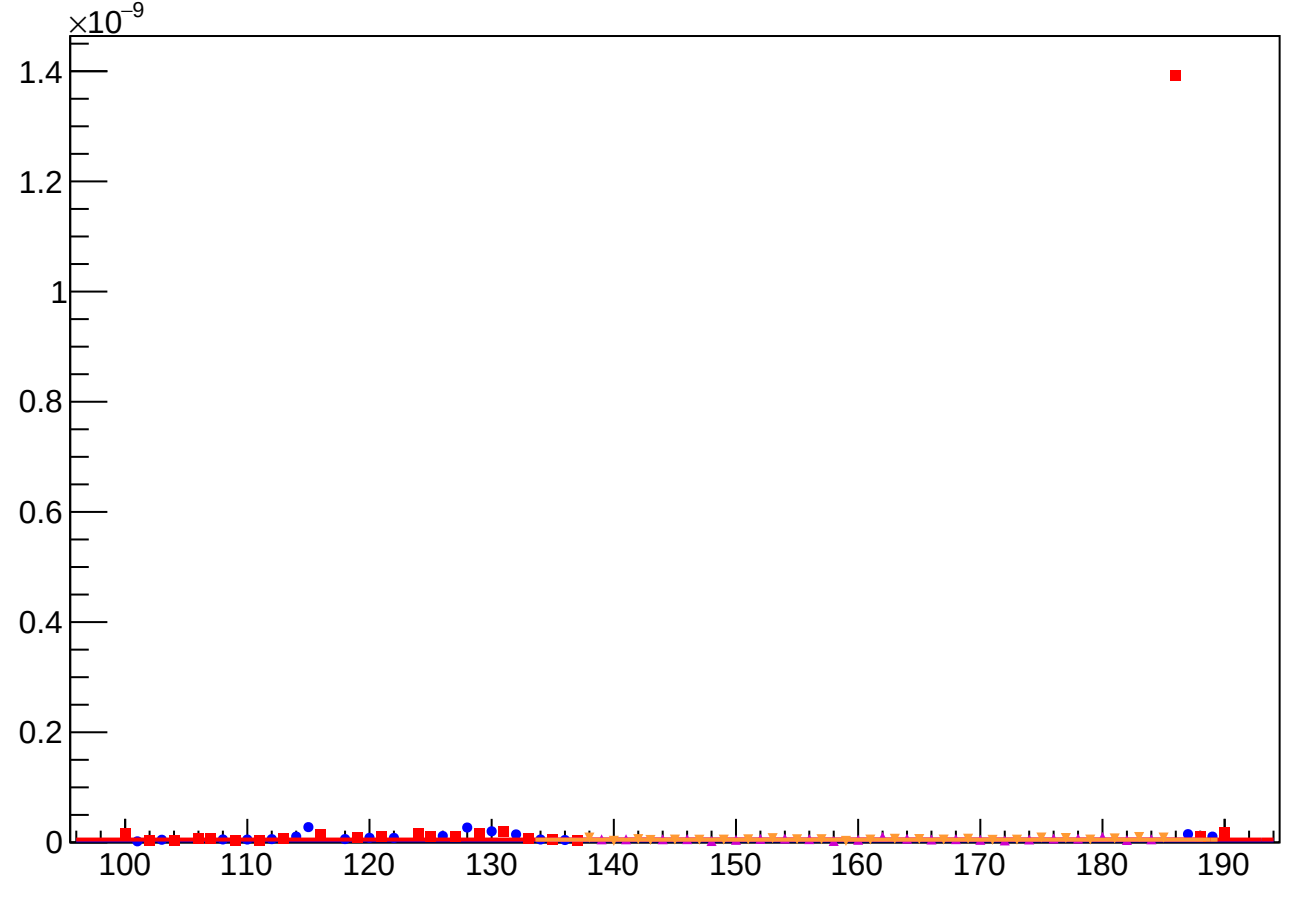
Right: 133.806+/-0.029 χ^2/NDF: 12029510.7/39

In: 203.120+/-0.034 χ^2/NDF:15300252.6/40

Out: 207.574+/-0.033 χ^2/NDF:15667181.0/46

All: 205.413+/-0.023 χ^2/NDF: 30976521.0/87


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.0/17
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 11.0/21
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: 32.2/39
In: -0.000+/-0.000 χ²/NDF:42.3/40
Out: 0.000+/-0.000 χ²/NDF:39.6/46
All: -0.000+/-0.000 χ²/NDF: 82.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 2415181.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2172839.7/21

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

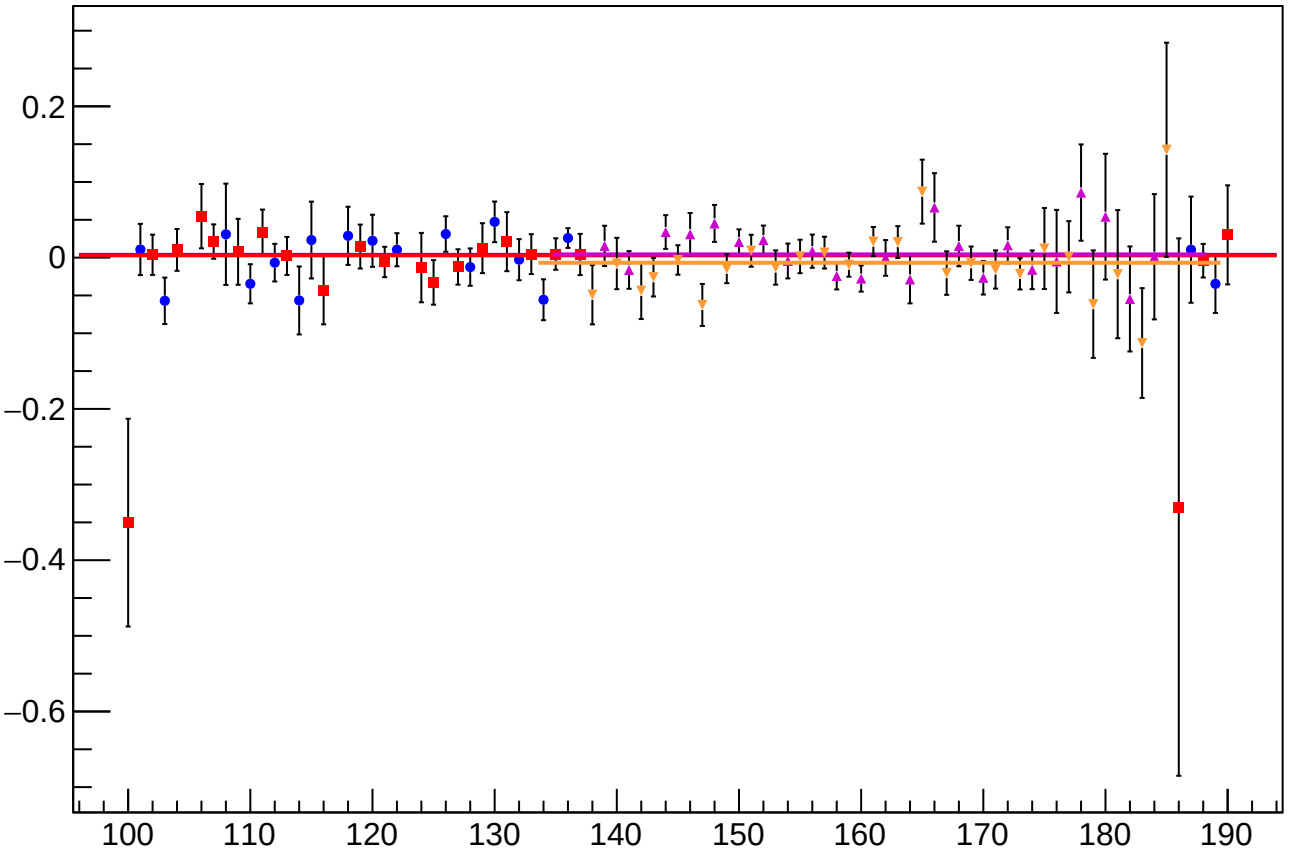
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4849303.6/39

In: 0.000+/-0.000 χ^2/NDF:3905180.4/40

Out: 0.000+/-0.000 χ^2/NDF:3473908.1/46

All: 0.000+/-0.000 χ^2/NDF: 7509146.7/87



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.8/21

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

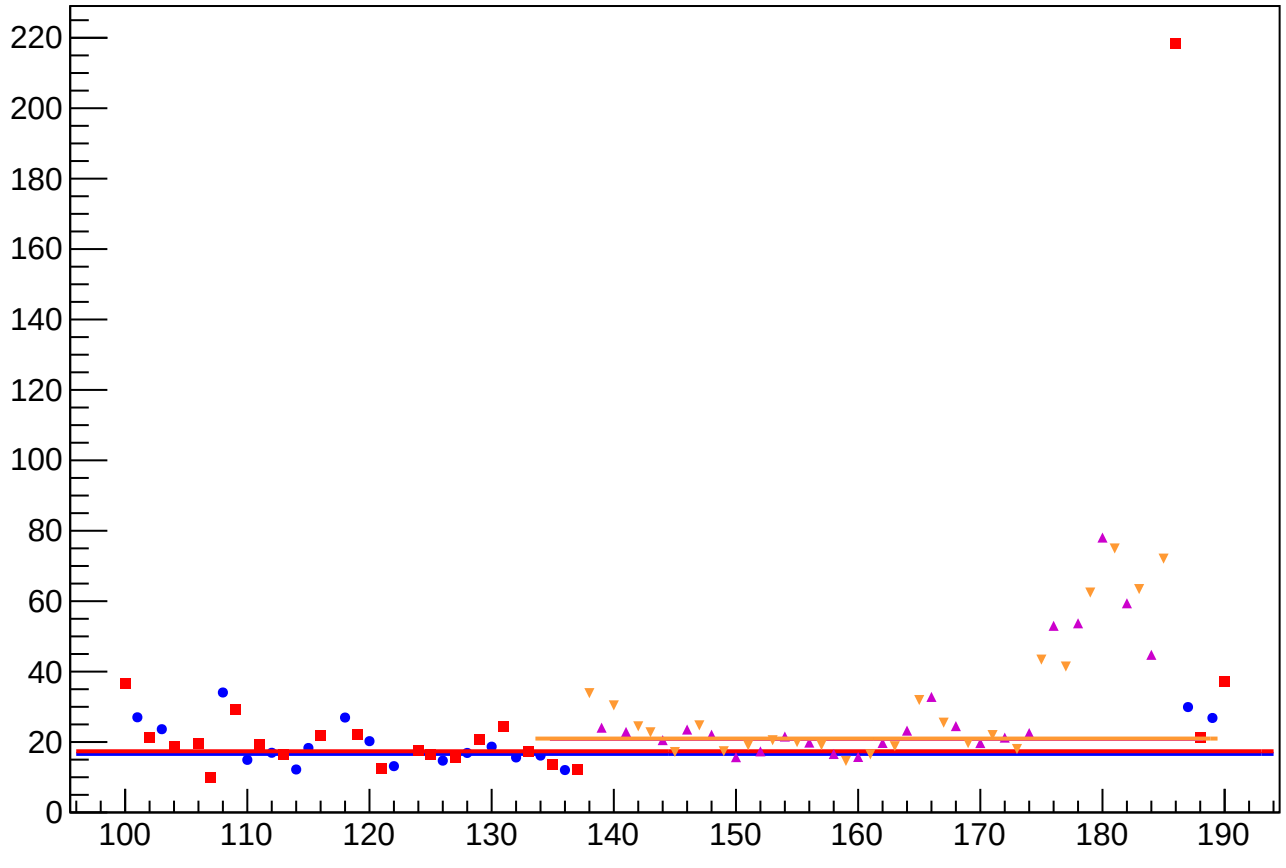
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.003+/-0.005 χ^2/NDF: 37.3/39

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:38.0/46

All: 0.001+/-0.003 χ^2/NDF: 85.0/87



Right In: 16.631+/-0.005 χ^2/NDF: 1164611.0/17

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.377+/-0.004 χ^2/NDF: 1766292.8/21

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

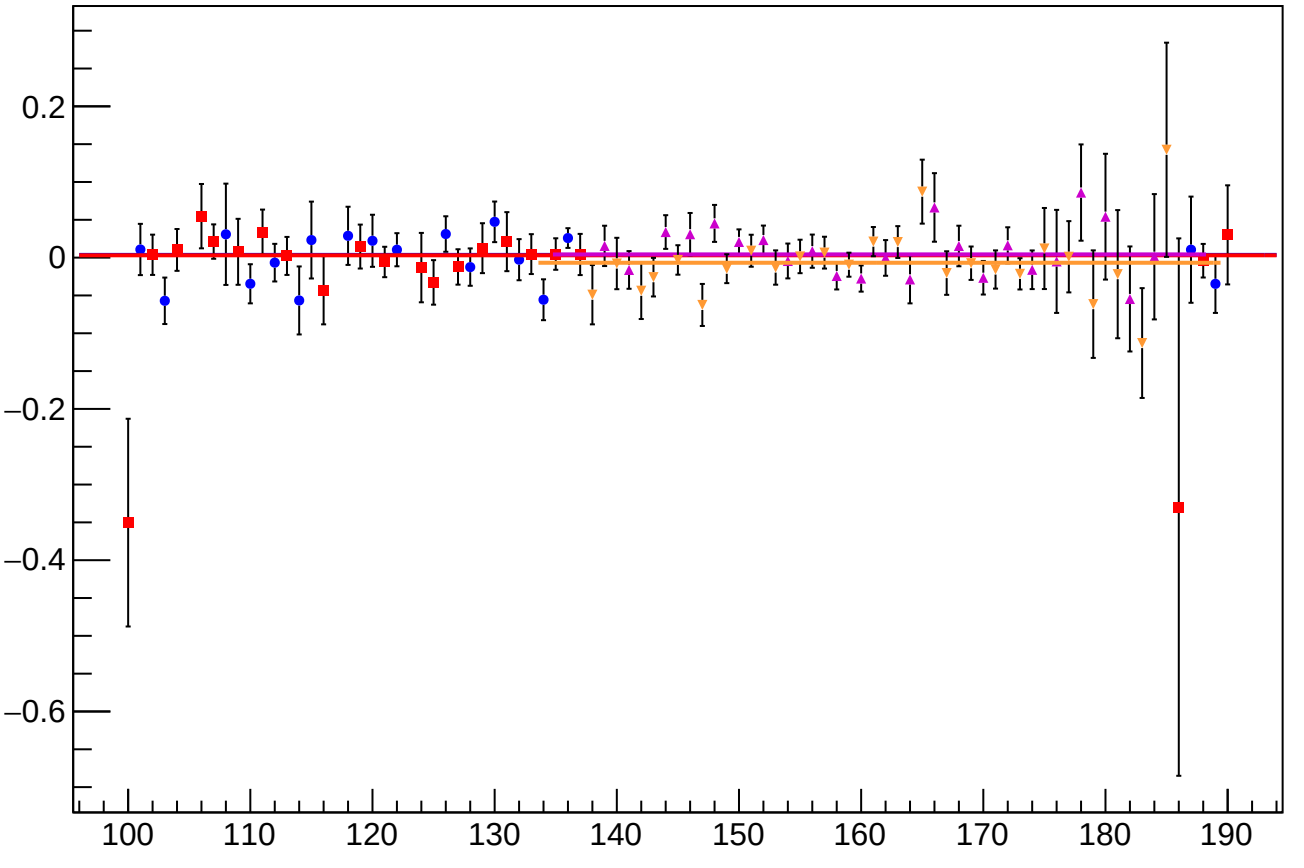
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 17.011+/-0.003 χ^2/NDF: 2944582.8/39

In: 19.162+/-0.003 χ^2/NDF:5215978.5/40

Out: 19.525+/-0.003 χ^2/NDF:6620948.7/46

All: 19.346+/-0.002 χ^2/NDF: 11844949.7/87



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.8/21

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

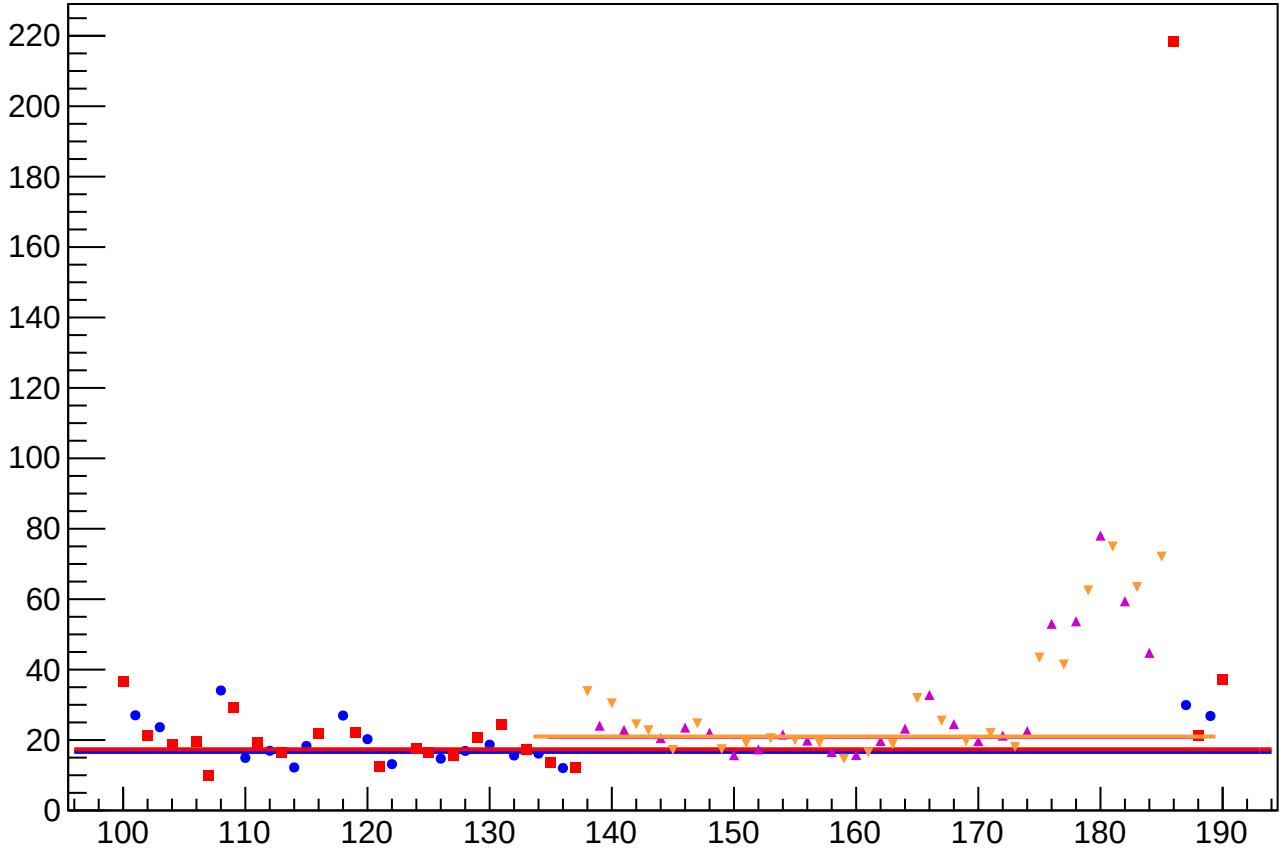
Right: 0.003+/-0.005 χ^2/NDF: 37.3/39

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:38.0/46

All: 0.001+/-0.003 χ^2/NDF: 85.0/87

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.631+/-0.005 χ^2/NDF: 1164611.0/17

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.377+/-0.004 χ^2/NDF: 1766292.8/21

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

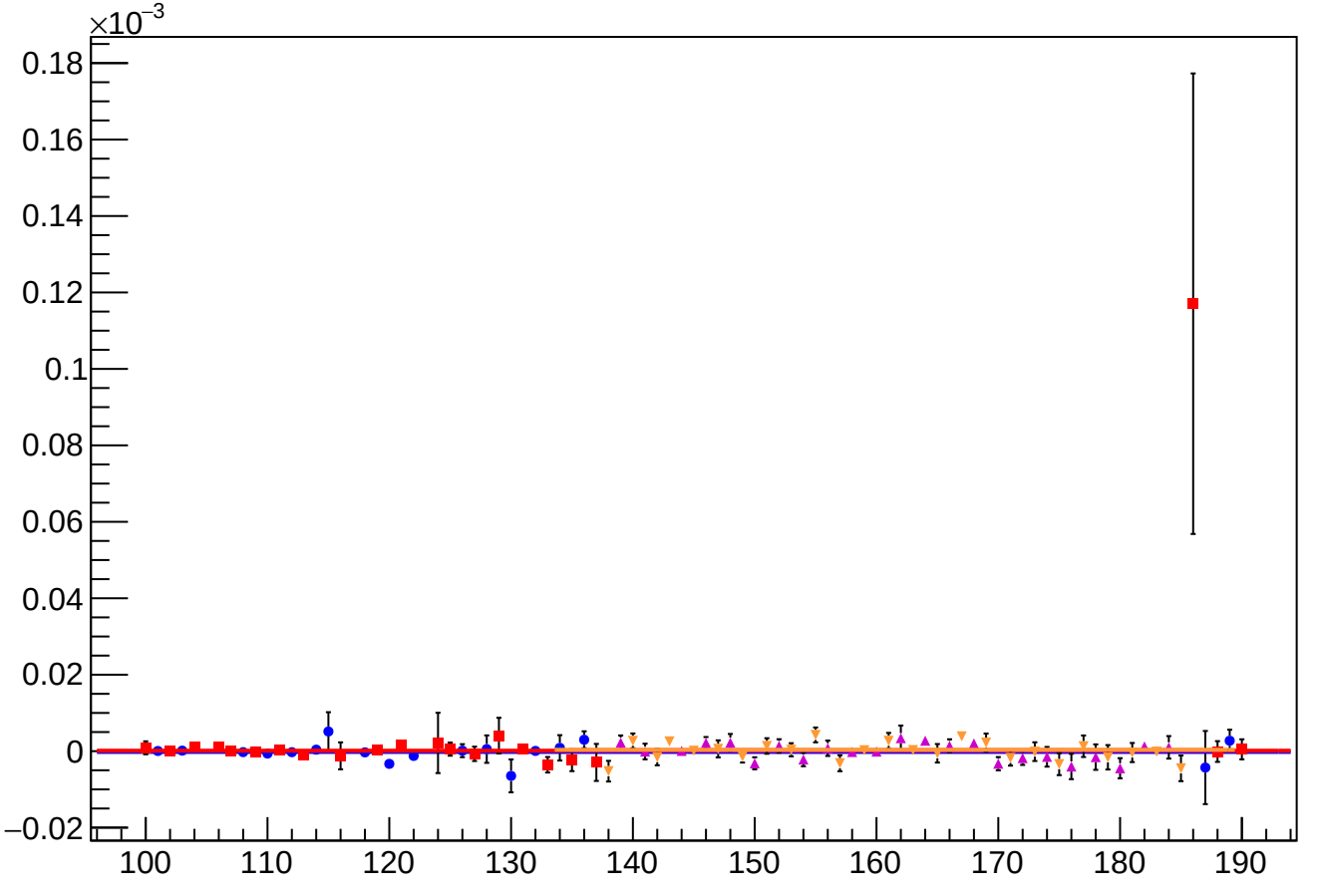
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 17.011+/-0.003 χ^2/NDF: 2944582.8/39

In: 19.162+/-0.003 χ^2/NDF:5215978.5/40

Out: 19.525+/-0.003 χ^2/NDF:6620948.7/46

All: 19.346+/-0.002 χ^2/NDF: 11844949.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/21

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

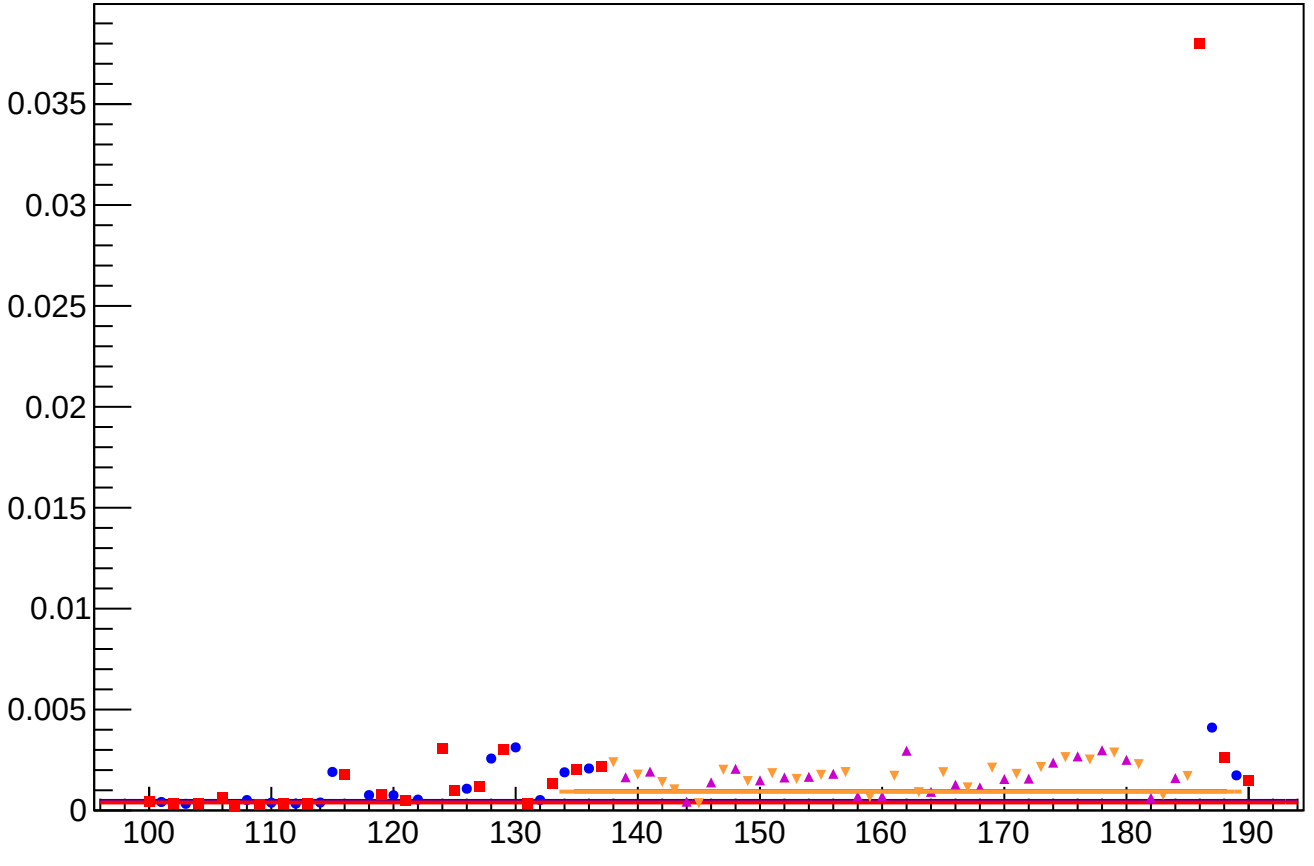
Right: -0.000+/-0.000 χ^2/NDF: 41.2/39

In: -0.000+/-0.000 χ^2/NDF:49.3/40

Out: 0.000+/-0.000 χ^2/NDF:58.8/46

All: 0.000+/-0.000 χ^2/NDF: 109.1/87

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4697622.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6525002.3/21

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

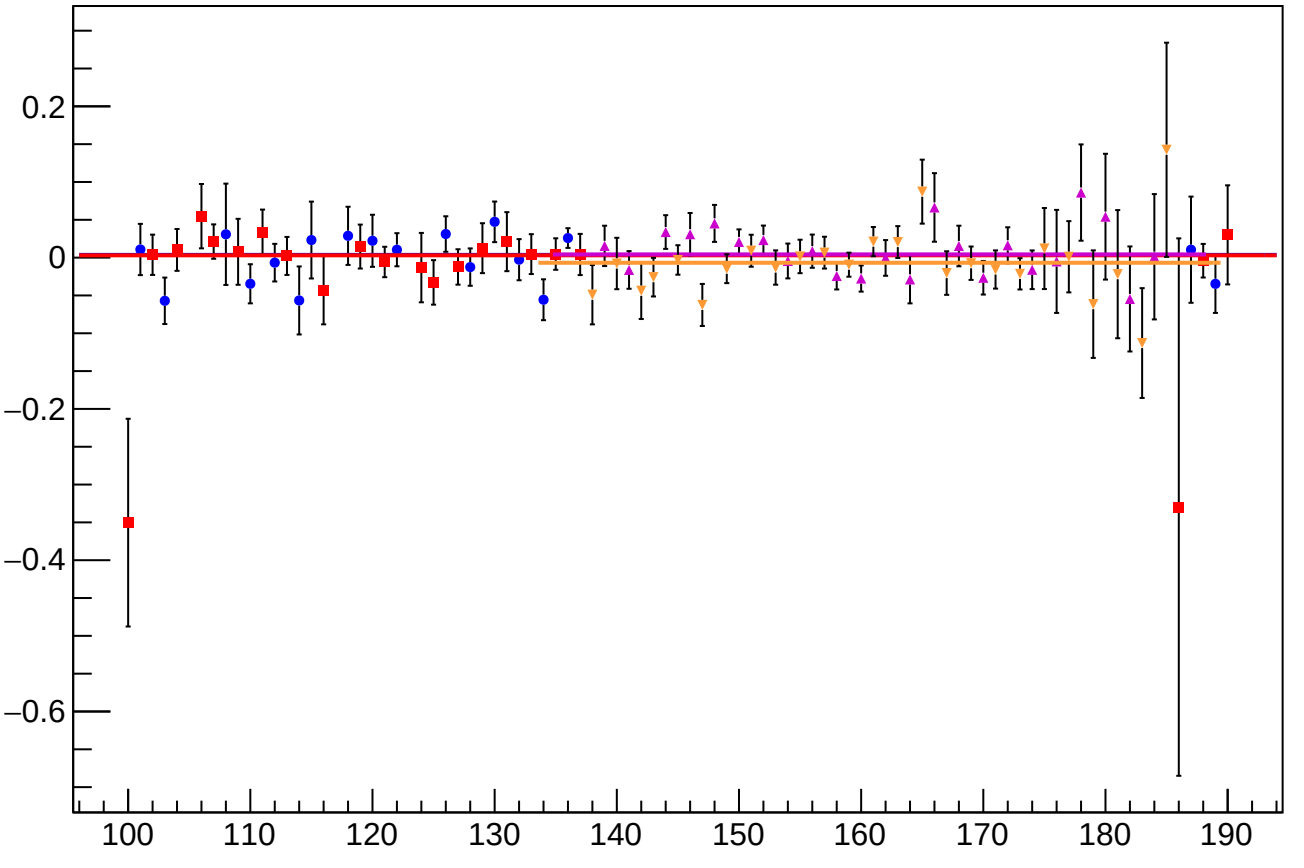
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11370528.1/39

In: 0.001+/-0.000 χ^2/NDF:18228454.3/40

Out: 0.001+/-0.000 χ^2/NDF:24377112.1/46

All: 0.001+/-0.000 χ^2/NDF: 42980133.5/87



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.8/21

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

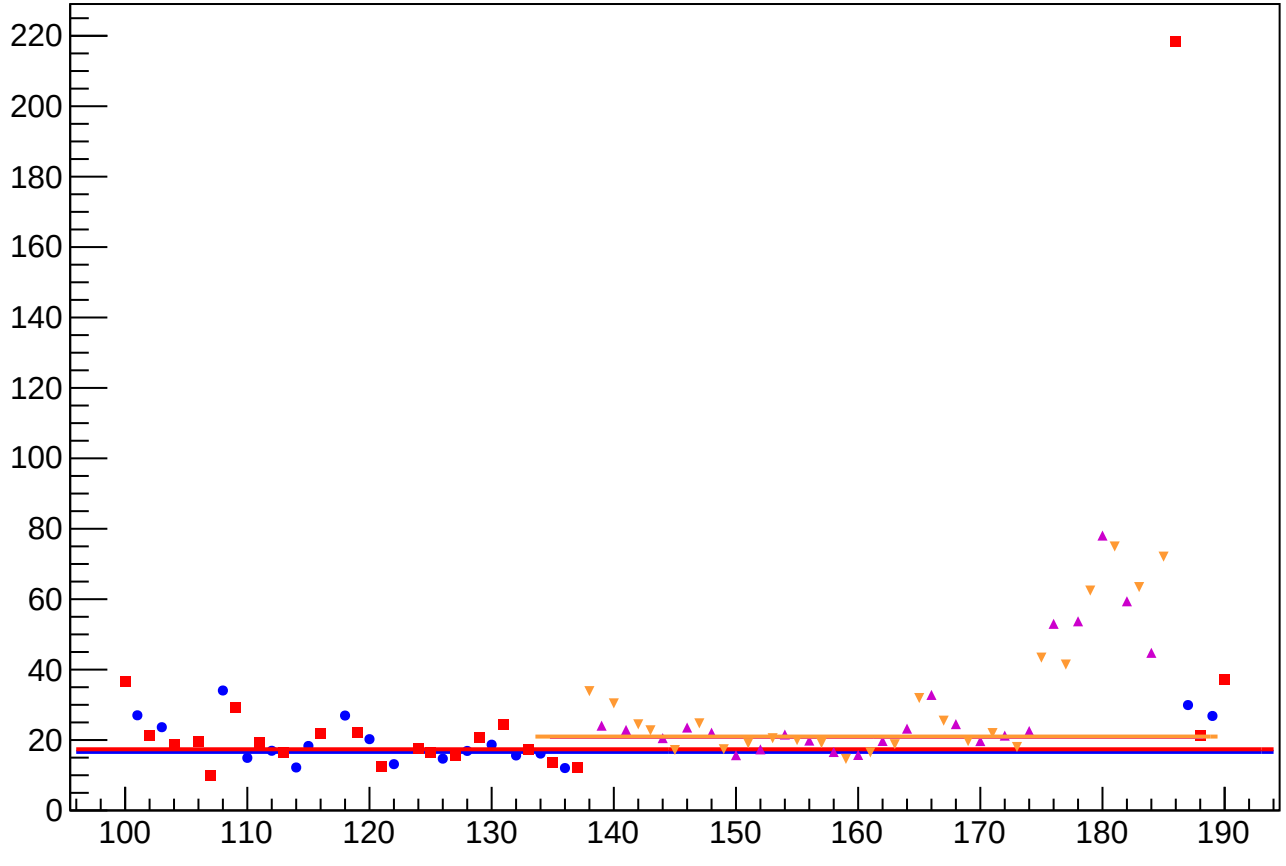
Right: 0.003+/-0.005 χ^2/NDF: 37.3/39

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:38.0/46

All: 0.001+/-0.003 χ^2/NDF: 85.0/87

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 17.377+/-0.004 χ^2/NDF: 1766291.4/21

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

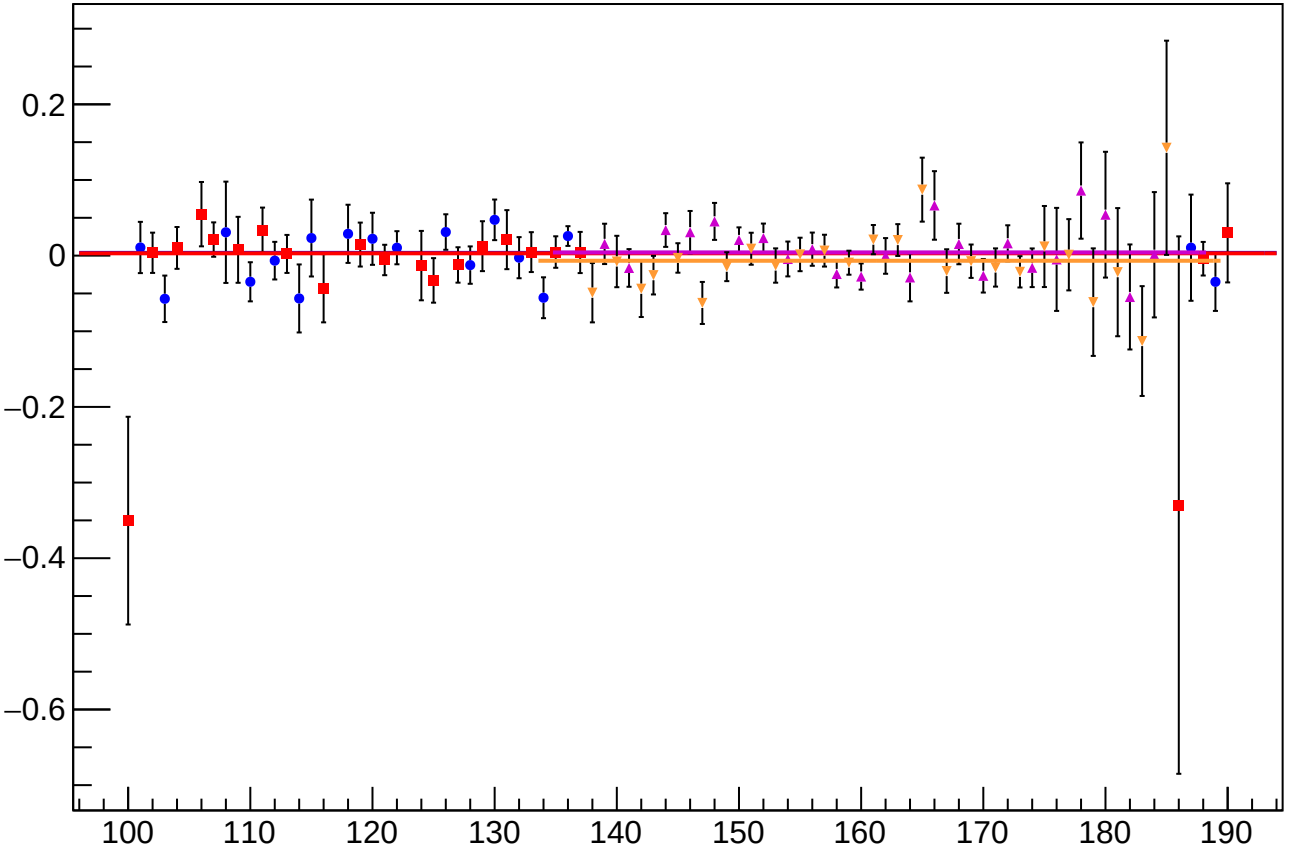
Right: 17.011+/-0.003 χ^2/NDF: 2944615.6/39

In: 19.162+/-0.003 χ^2/NDF:5216118.5/40

Out: 19.525+/-0.003 χ^2/NDF:6621000.6/46

All: 19.346+/-0.002 χ^2/NDF: 11845142.2/87

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.8/21

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

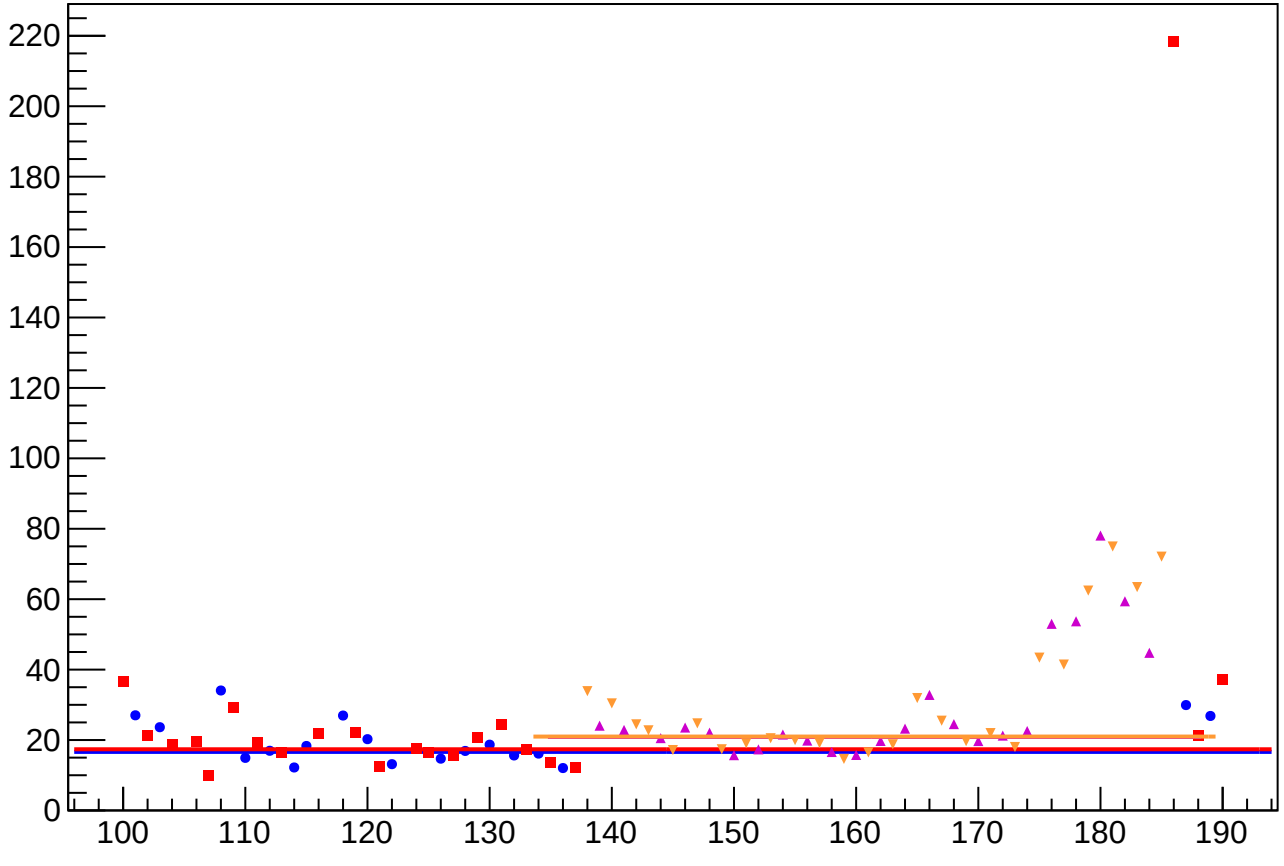
Right: 0.003+/-0.005 χ^2/NDF: 37.3/39

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:38.0/46

All: 0.001+/-0.003 χ^2/NDF: 85.0/87

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 17.377+/-0.004 χ^2/NDF: 1766291.4/21

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

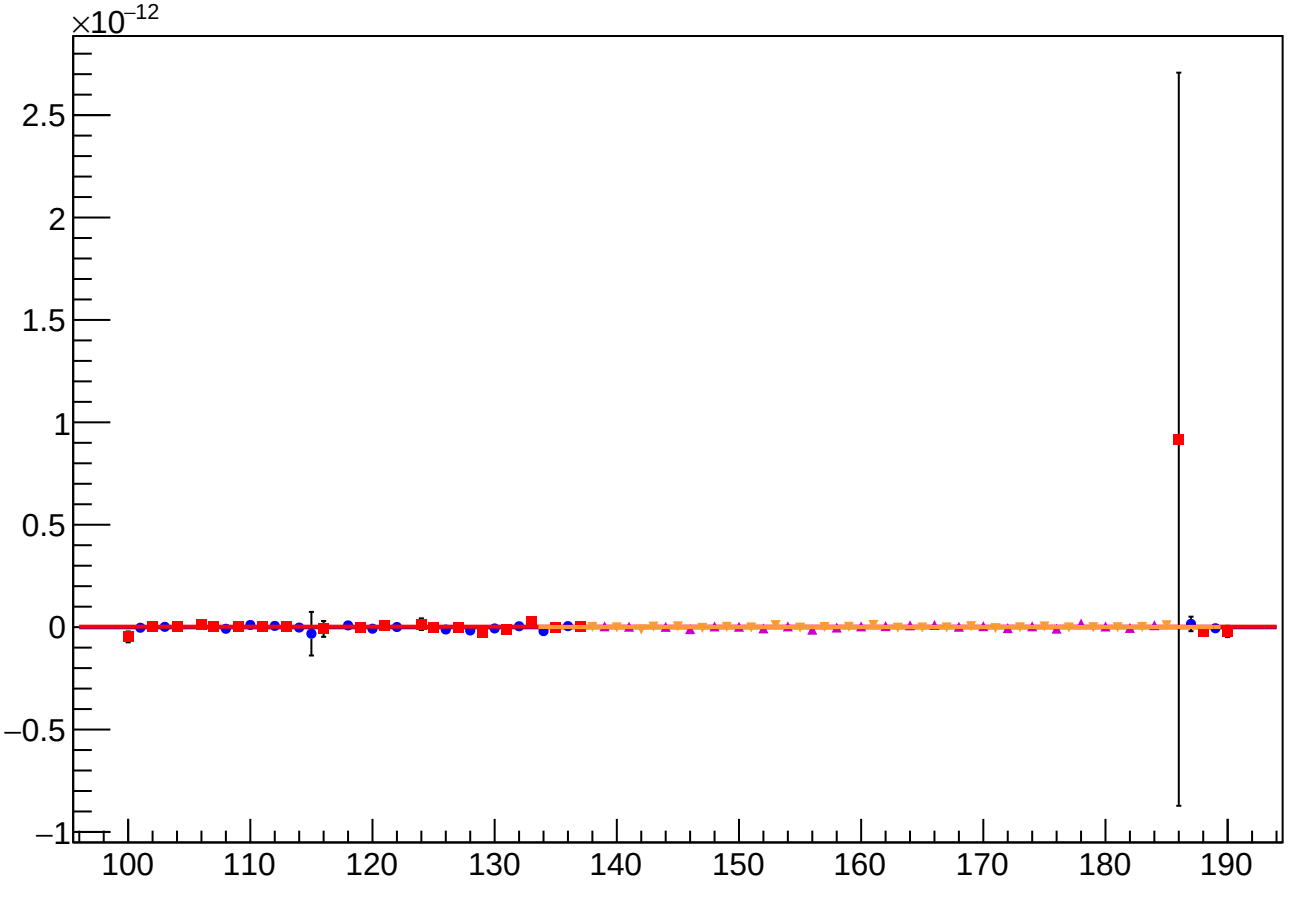
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 17.011+/-0.003 χ^2/NDF: 2944615.6/39

In: 19.162+/-0.003 χ^2/NDF:5216118.5/40

Out: 19.525+/-0.003 χ^2/NDF:6621000.6/46

All: 19.346+/-0.002 χ^2/NDF: 11845142.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/21

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

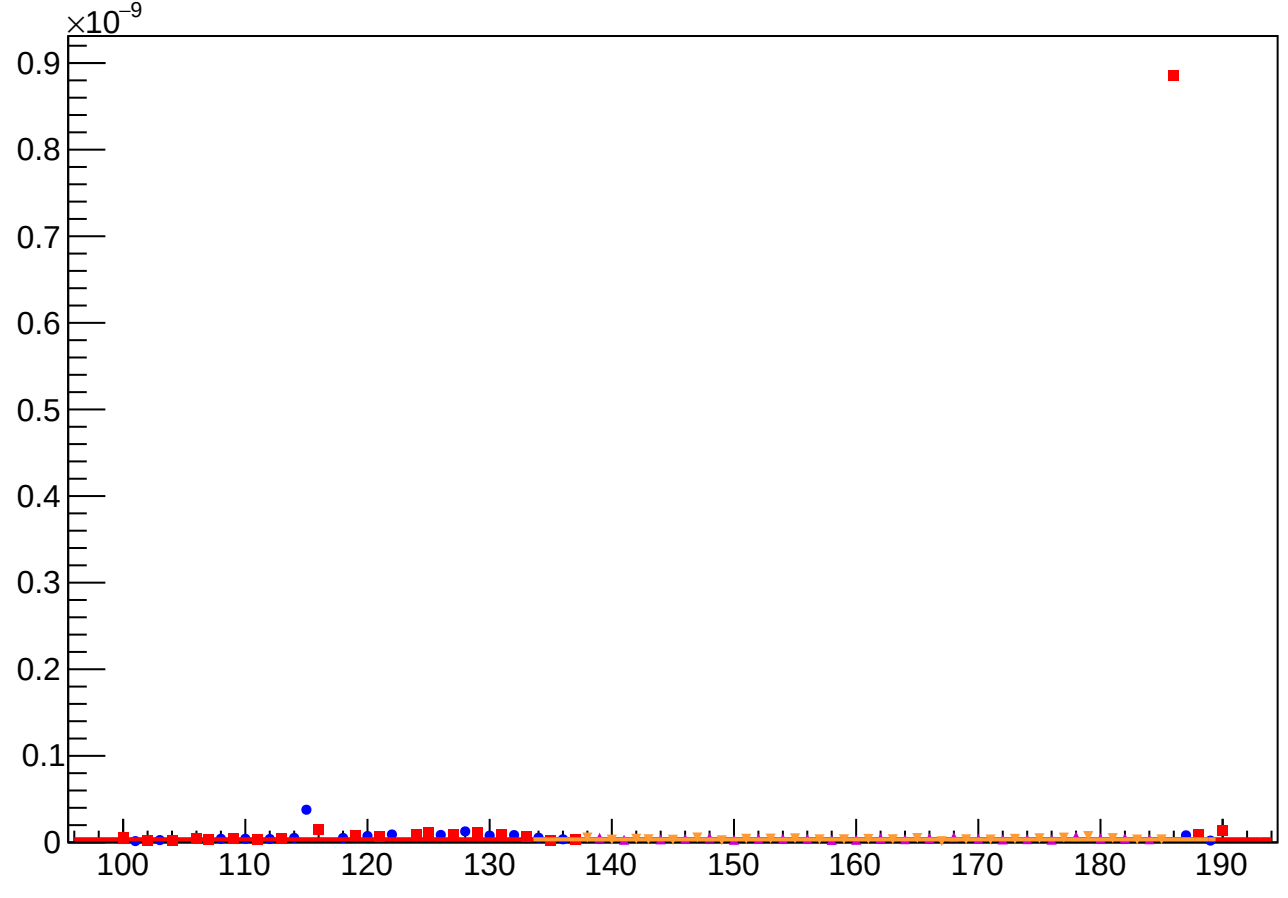
Right: 0.000+/-0.000 χ^2/NDF: 32.7/39

In: 0.000+/-0.000 χ^2/NDF:39.9/40

Out: 0.000+/-0.000 χ^2/NDF:33.4/46

All: 0.000+/-0.000 χ^2/NDF: 73.7/87

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3011668.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3742344.4/21

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

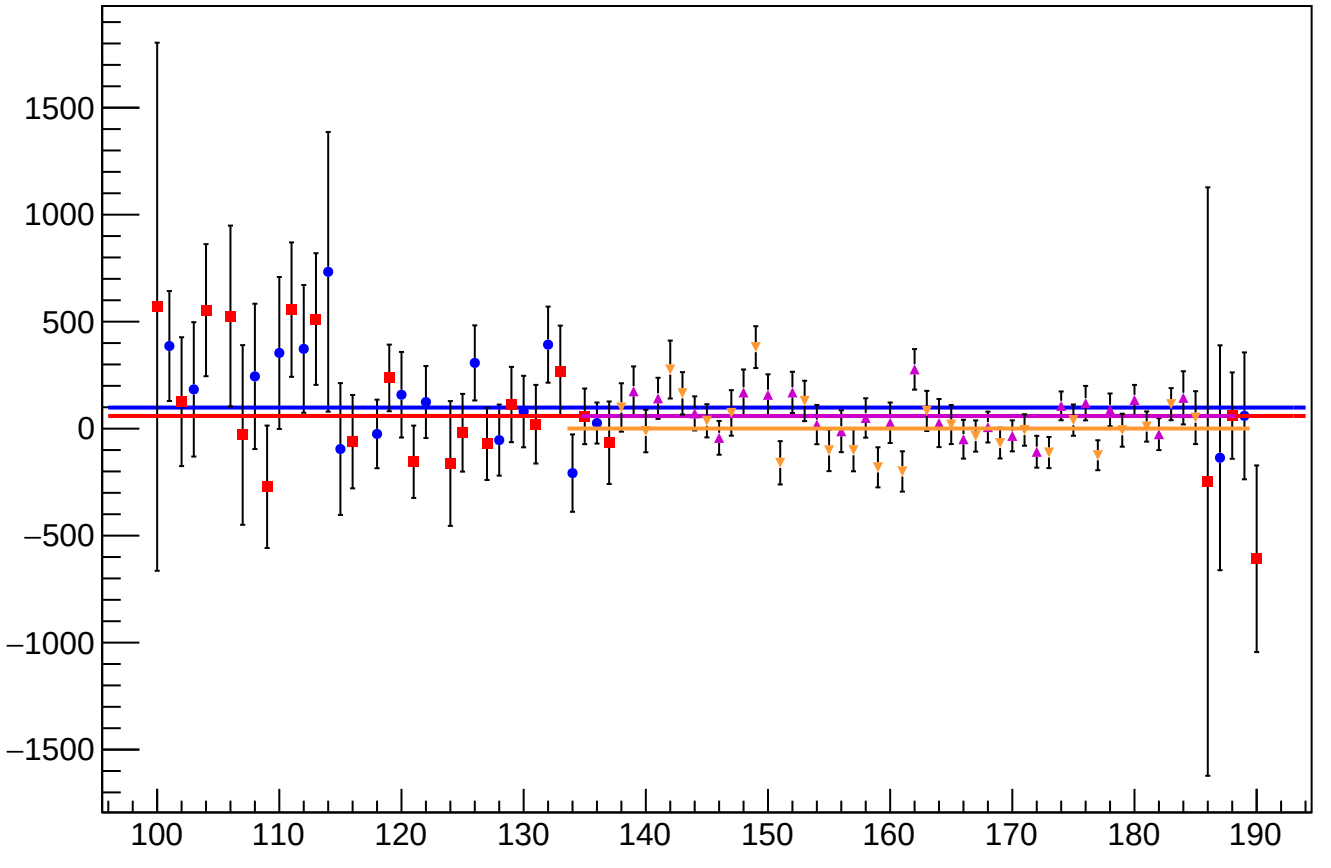
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6915524.8/39

In: 0.000+/-0.000 χ^2/NDF:4632806.1/40

Out: 0.000+/-0.000 χ^2/NDF:6280082.4/46

All: 0.000+/-0.000 χ^2/NDF: 10914024.6/87



Right In: 98.532+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 59.277+/-47.602 χ^2/NDF: 18.6/21

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

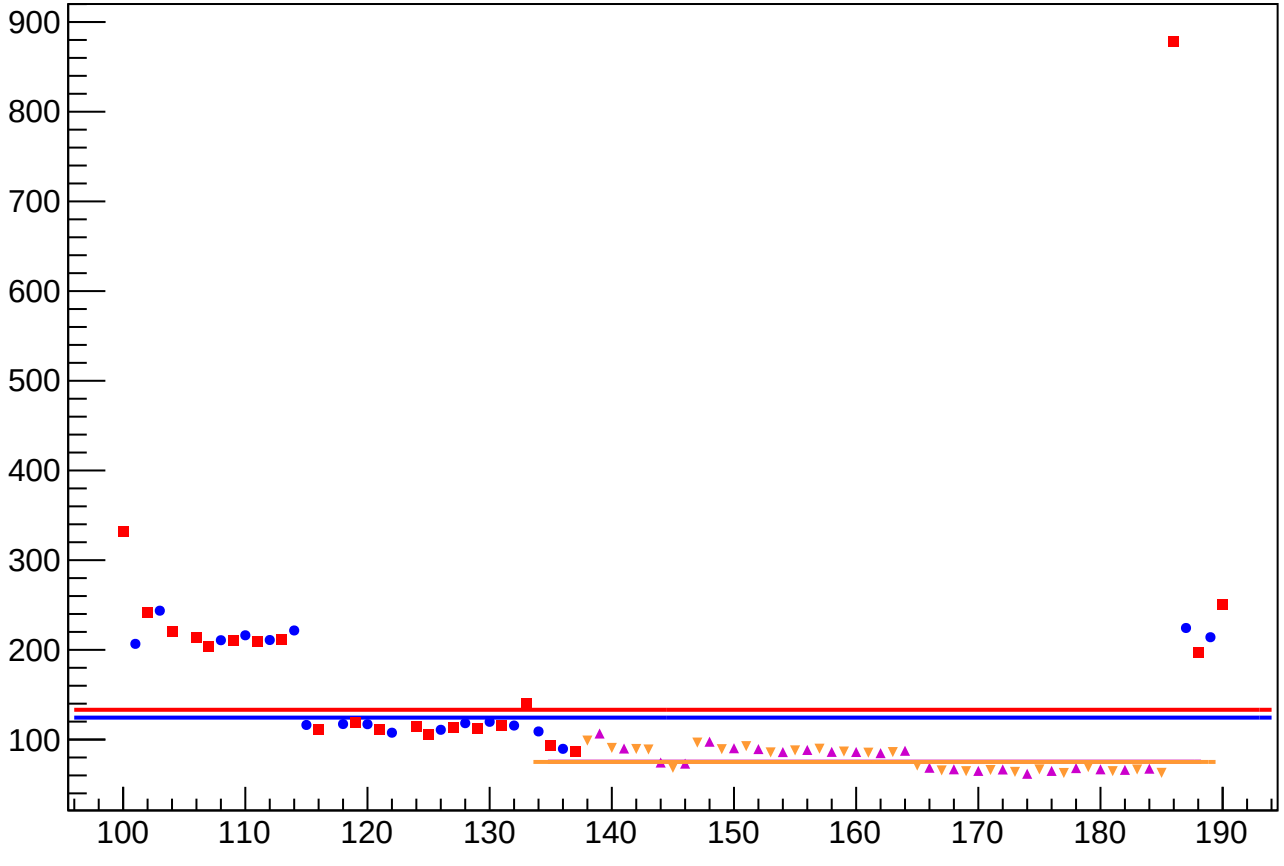
Right: 79.221+/-33.387 χ^2/NDF: 32.5/39

In: 63.946+/-16.704 χ^2/NDF:40.0/40

Out: 7.458+/-16.276 χ^2/NDF:68.5/46

All: 34.969+/-11.657 χ^2/NDF: 114.4/87

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 124.459+/-0.033 χ^2/NDF: 1550401.6/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 133.190+/-0.034 χ^2/NDF: 2432184.9/21

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

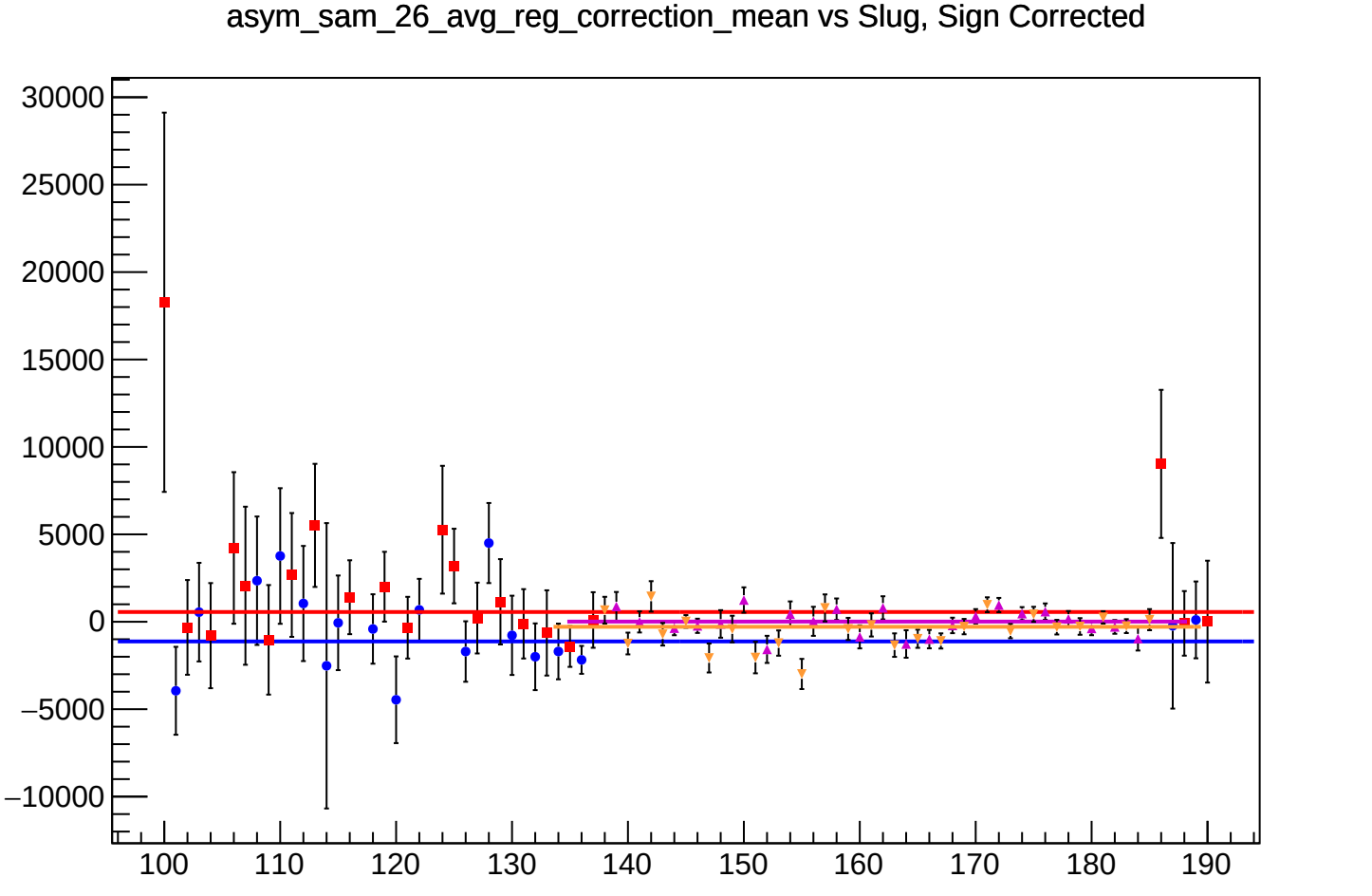
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 128.754+/-0.024 χ^2/NDF: 4016767.8/39

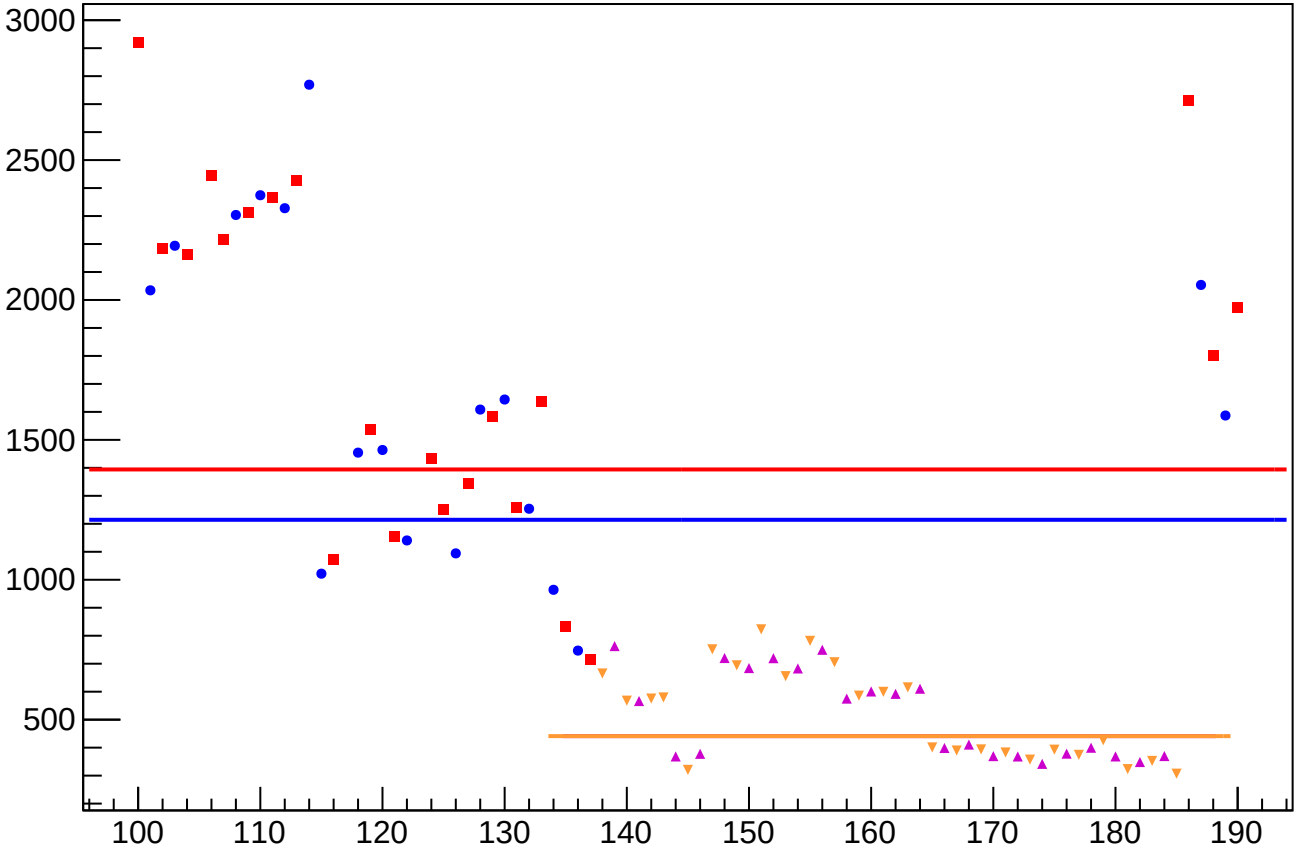
In: 81.597+/-0.012 χ^2/NDF:4306722.4/40

Out: 81.839+/-0.012 χ^2/NDF:5995816.3/46

All: 81.721+/-0.008 χ^2/NDF: 10302754.2/87


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1124.527+/-465.655 χ²/NDF: 16.3/17
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 558.980+/-493.582 χ²/NDF: 18.0/21
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -331.744+/-338.711 χ²/NDF: 40.5/39
In: -46.967+/-104.902 χ²/NDF:55.3/40
Out: -251.251+/-102.918 χ²/NDF:74.1/46
All: -151.059+/-73.465 χ²/NDF: 131.4/87

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1214.358+/-0.329 χ^2/NDF: 2171035.0/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1394.273+/-0.349 χ^2/NDF: 2335055.9/21

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

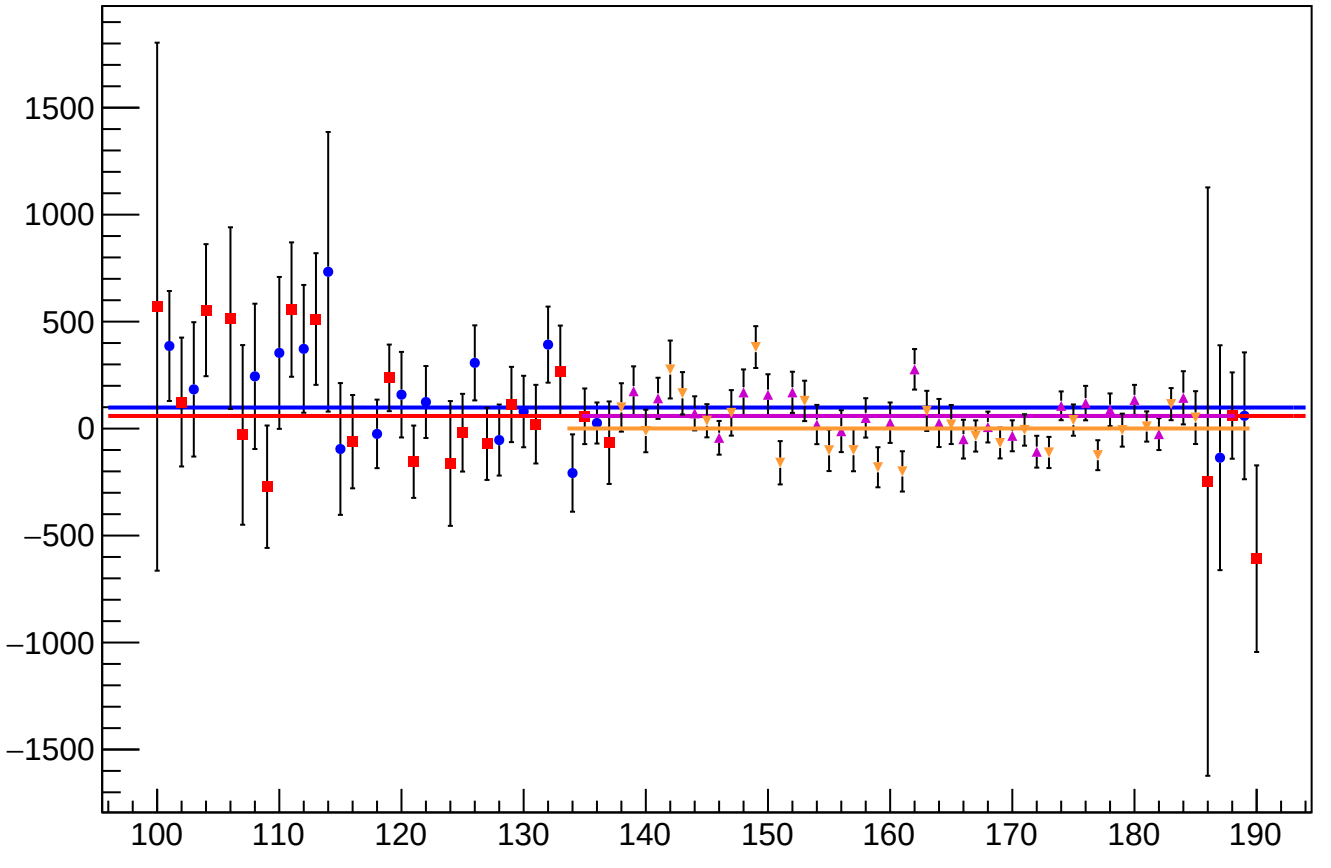
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1299.082+/-0.240 χ^2/NDF: 4646687.9/39

In: 480.434+/-0.074 χ^2/NDF:10086973.4/40

Out: 482.569+/-0.073 χ^2/NDF:12703554.0/46

All: 481.522+/-0.052 χ^2/NDF: 22790949.6/87



Right In: 98.519+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 59.065+/-47.605 χ^2/NDF: 18.5/21

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

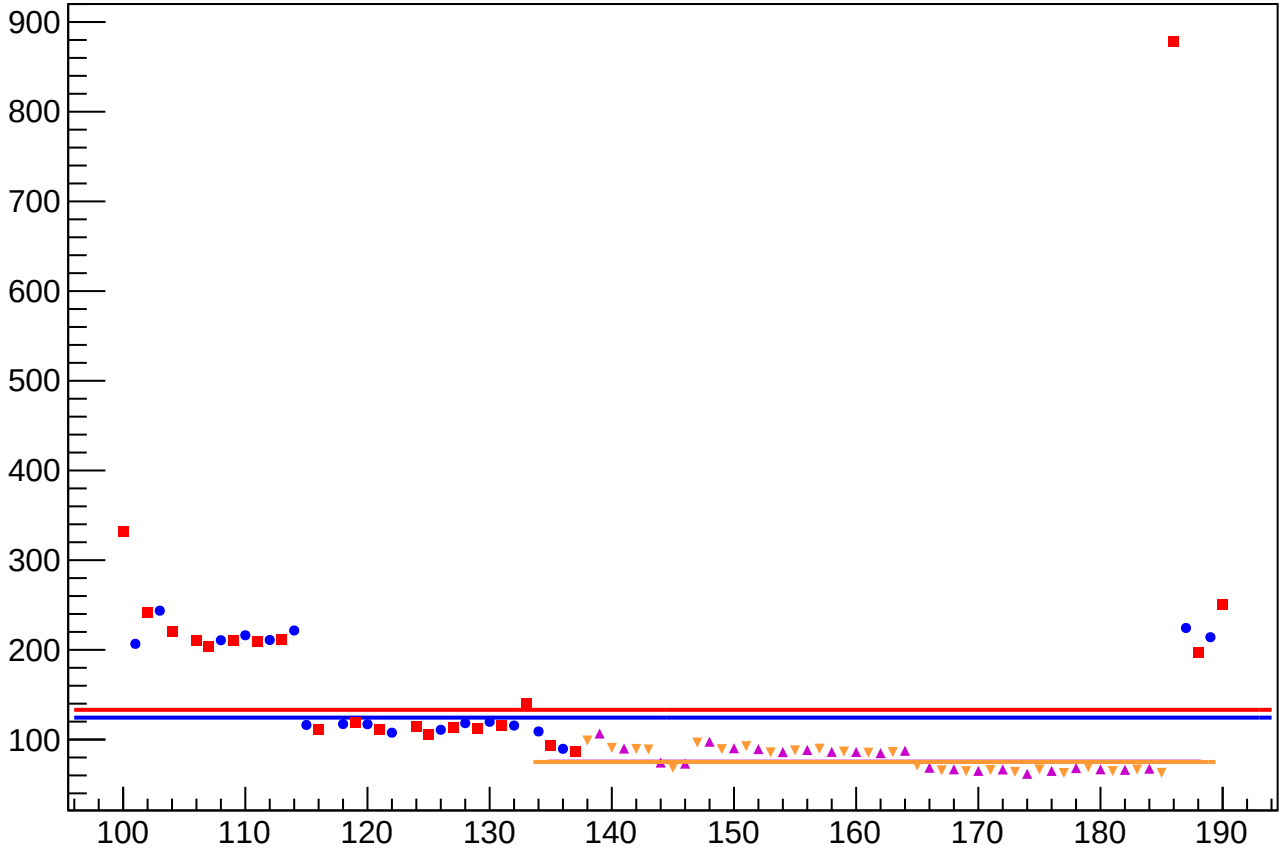
Right: 79.111+/-33.388 χ^2/NDF: 32.4/39

In: 63.942+/-16.704 χ^2/NDF:40.0/40

Out: 7.432+/-16.276 χ^2/NDF:68.4/46

All: 34.954+/-11.657 χ^2/NDF: 114.3/87

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 124.459+/-0.033 χ^2/NDF: 1550404.1/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 133.144+/-0.034 χ^2/NDF: 2426581.0/21

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

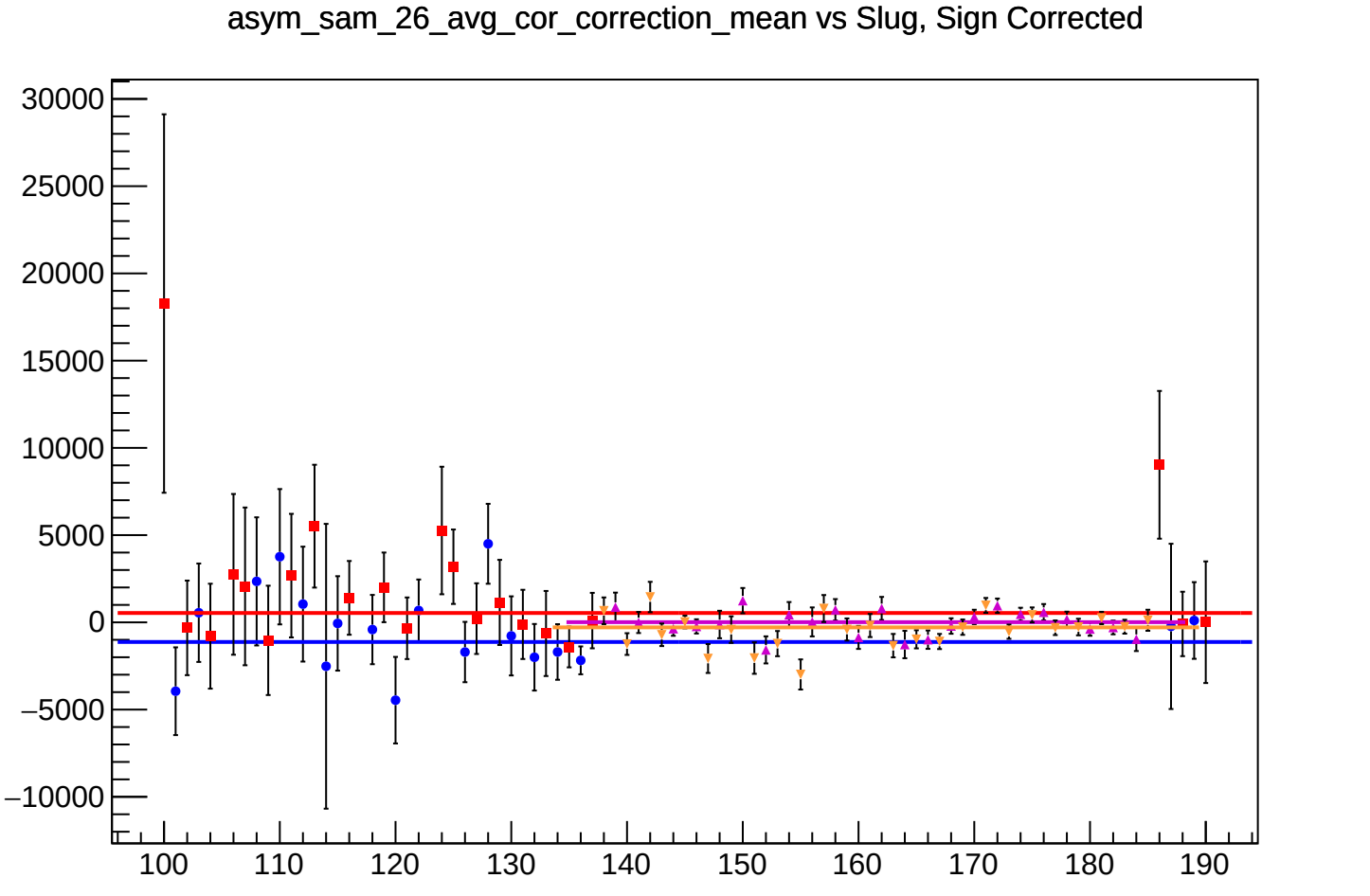
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

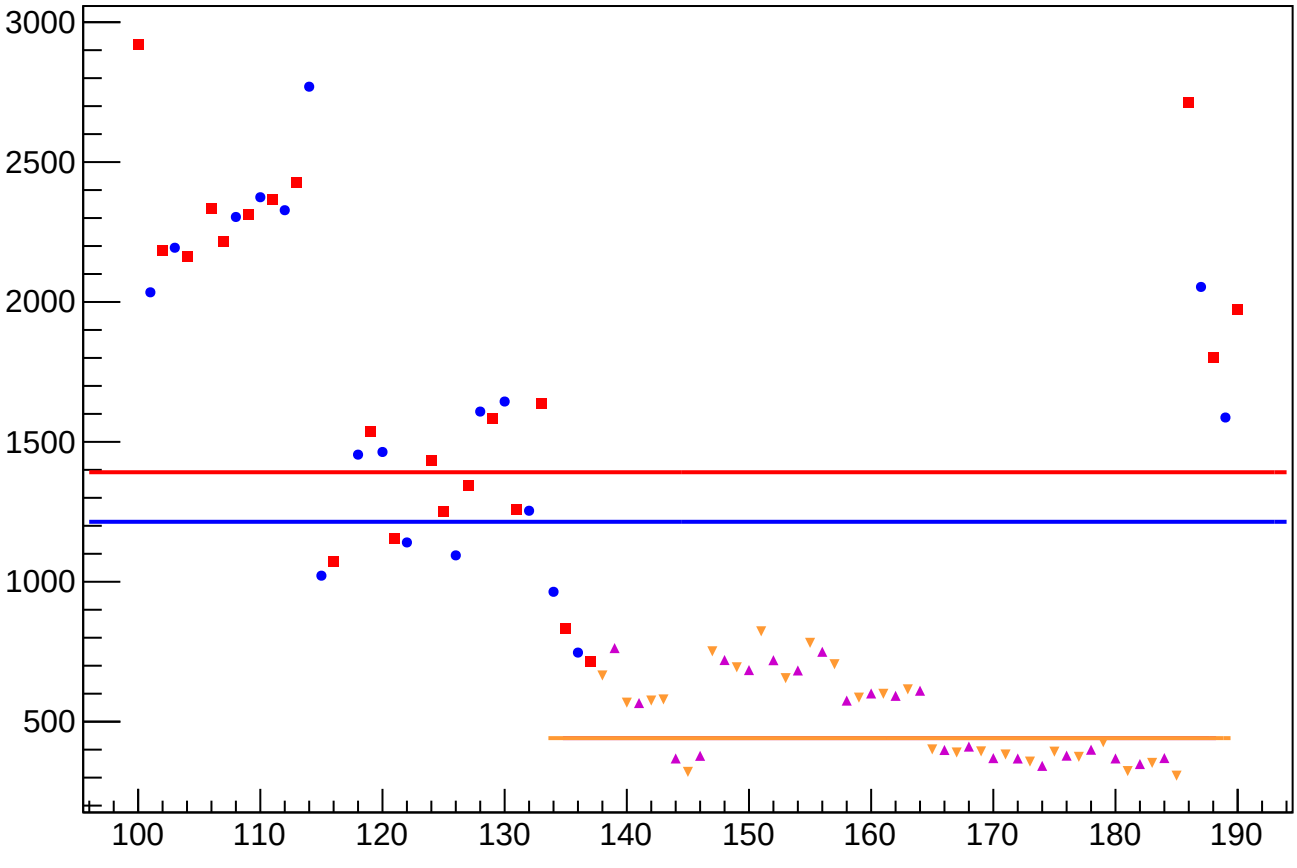
Right: 128.731+/-0.024 χ^2/NDF: 4010806.4/39

In: 81.597+/-0.012 χ^2/NDF:4306724.3/40

Out: 81.833+/-0.012 χ^2/NDF:5985787.3/46

All: 81.718+/-0.008 χ^2/NDF: 10292716.5/87


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1124.504+/-465.656 χ²/NDF: 16.3/17
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 536.801+/-493.961 χ²/NDF: 17.6/21
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -342.810+/-338.833 χ²/NDF: 39.8/39
In: -46.964+/-104.902 χ²/NDF:55.3/40
Out: -252.267+/-102.922 χ²/NDF:73.5/46
All: -151.572+/-73.467 χ²/NDF: 130.8/87



Right In: 1214.358+/-0.329 χ^2/NDF: 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1391.464+/-0.349 χ^2/NDF: 2301364.5/21

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

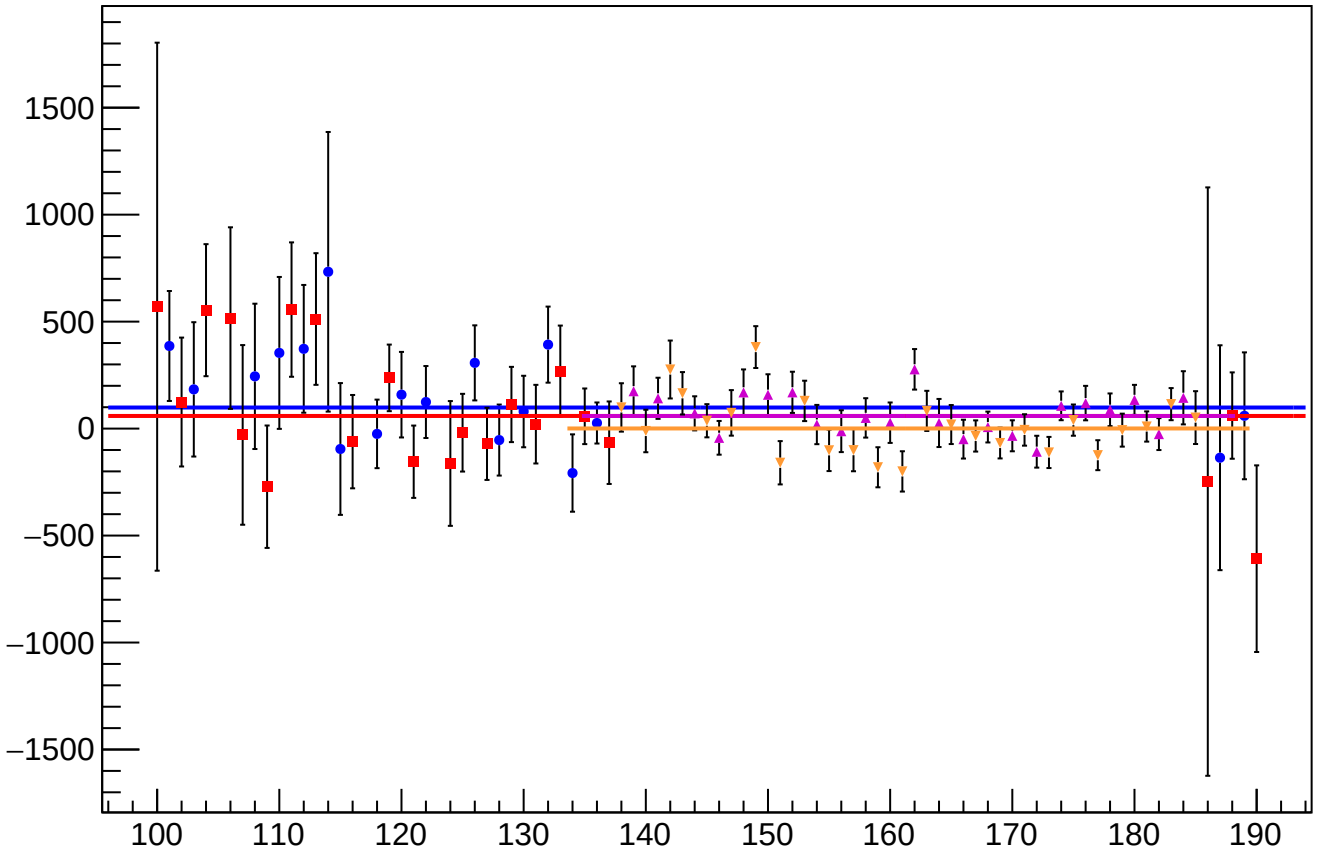
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1297.692+/-0.240 χ^2/NDF: 4608560.7/39

In: 480.434+/-0.074 χ^2/NDF:10086984.1/40

Out: 482.386+/-0.073 χ^2/NDF:12617459.8/46

All: 481.429+/-0.052 χ^2/NDF: 22704796.8/87



Right In: 98.519+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 59.065+/-47.605 χ^2/NDF: 18.5/21

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

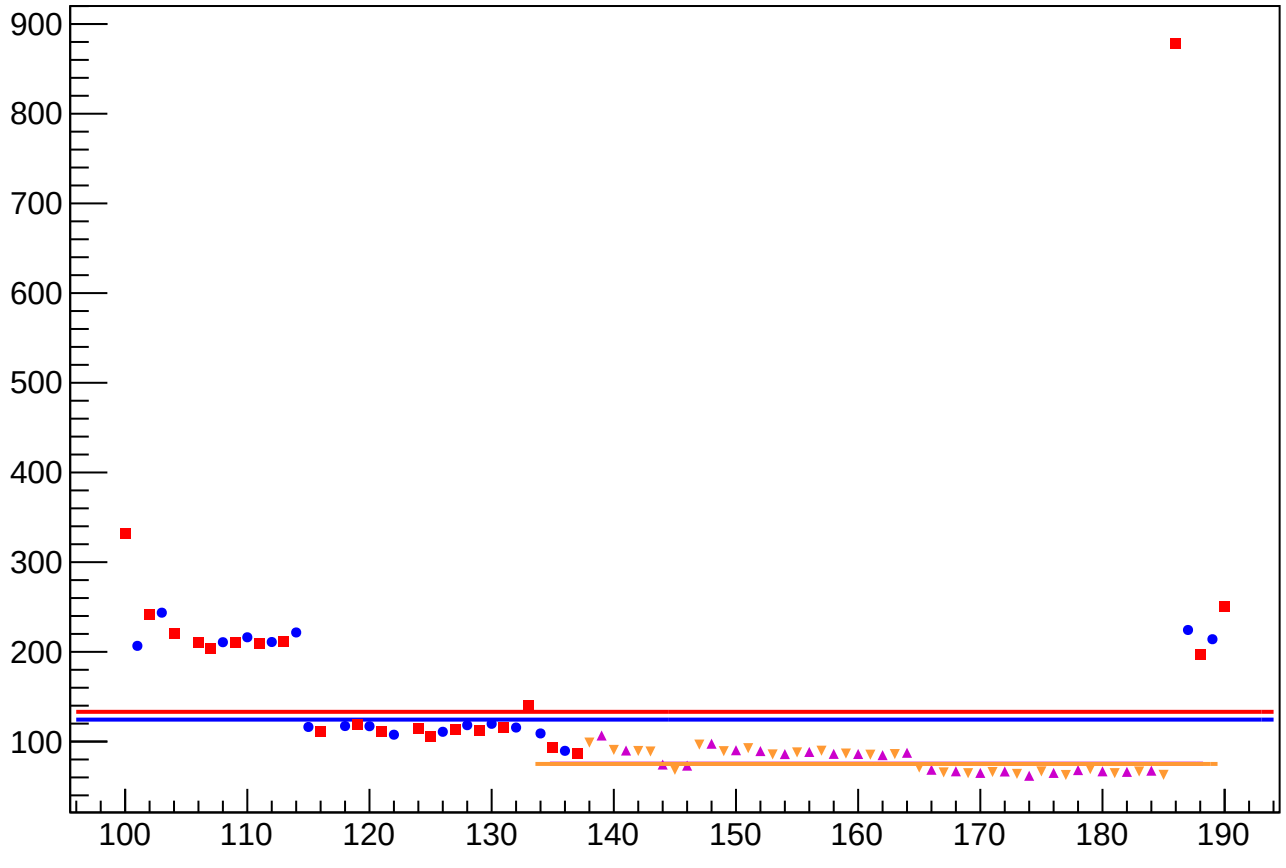
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 79.111+/-33.388 χ^2/NDF: 32.4/39

In: 63.942+/-16.704 χ^2/NDF:40.0/40

Out: 7.432+/-16.276 χ^2/NDF:68.4/46

All: 34.954+/-11.657 χ^2/NDF: 114.3/87



Right In: 124.459+/-0.033 χ^2/NDF: 1550404.1/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 133.144+/-0.034 χ^2/NDF: 2426581.0/21

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

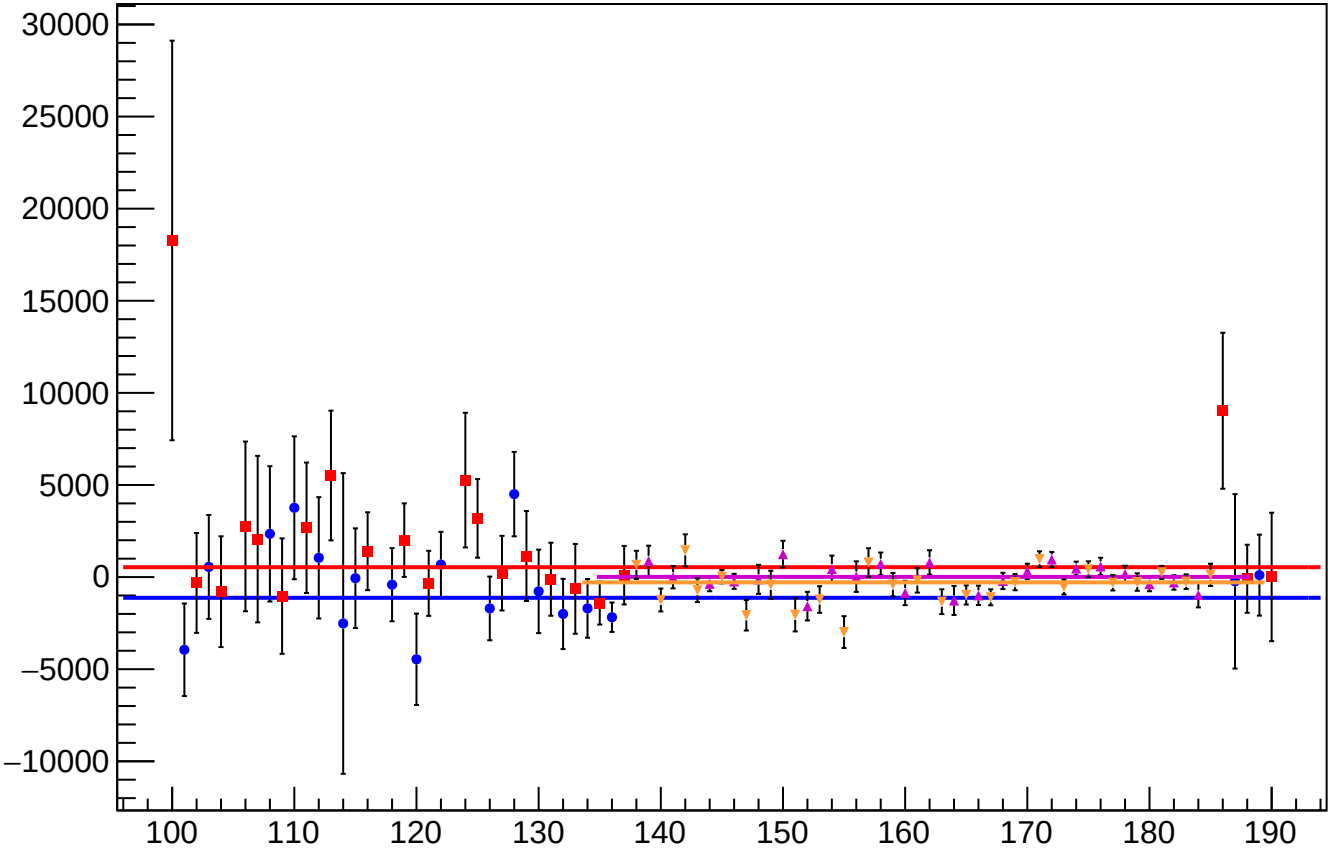
Right: 128.731+/-0.024 χ^2/NDF: 4010806.4/39

In: 81.597+/-0.012 χ^2/NDF:4306724.3/40

Out: 81.833+/-0.012 χ^2/NDF:5985787.3/46

All: 81.718+/-0.008 χ^2/NDF: 10292716.5/87

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1124.504+/-465.656 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 536.801+/-493.961 χ^2/NDF: 17.6/21

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

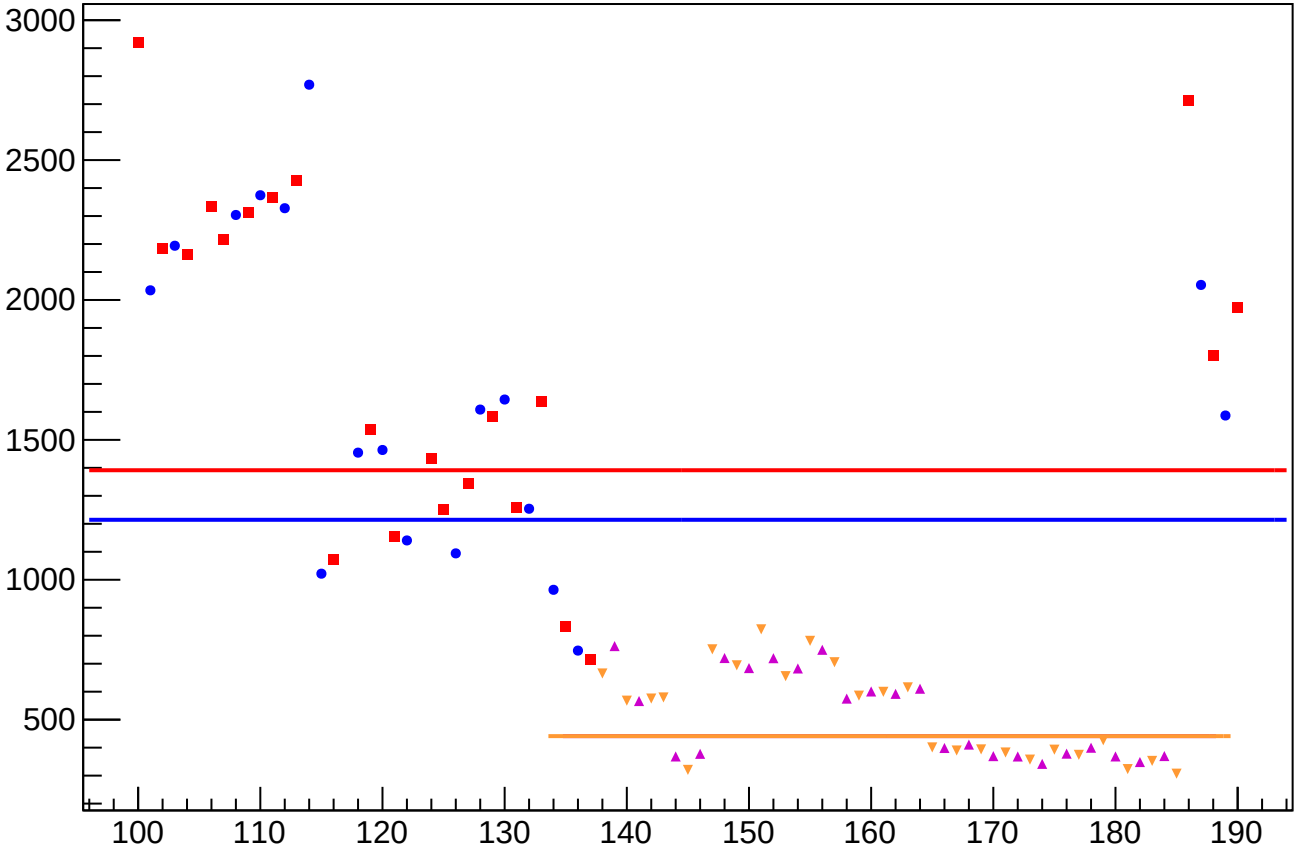
Right: -342.810+/-338.833 χ^2/NDF: 39.8/39

In: -46.964+/-104.902 χ^2/NDF:55.3/40

Out: -252.267+/-102.922 χ^2/NDF:73.5/46

All: -151.572+/-73.467 χ^2/NDF: 130.8/87

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1214.358+/-0.329 χ^2/NDF: 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1391.464+/-0.349 χ^2/NDF: 2301364.5/21

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

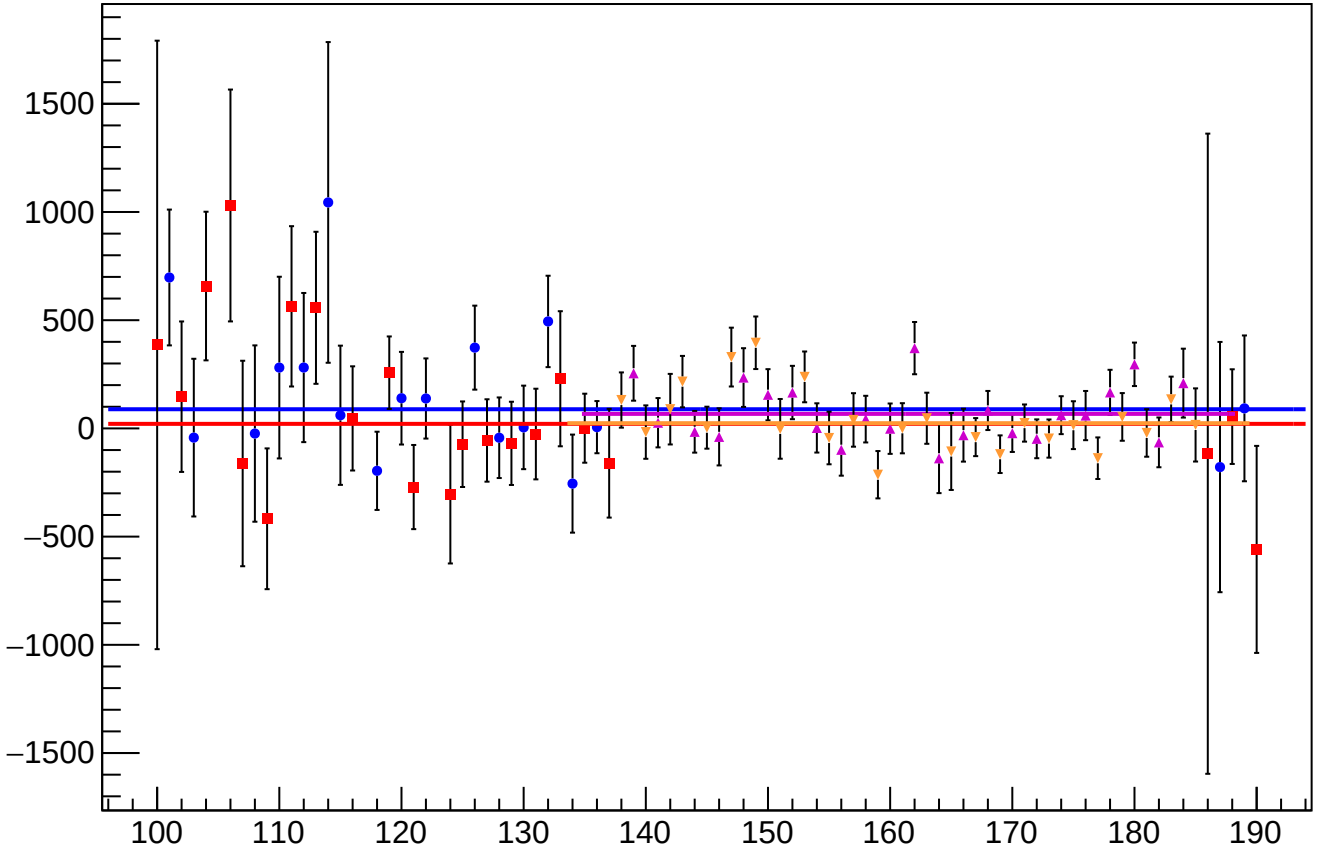
Right: 1297.692+/-0.240 χ^2/NDF: 4608560.7/39

In: 480.434+/-0.074 χ^2/NDF:10086984.1/40

Out: 482.386+/-0.073 χ^2/NDF:12617459.8/46

All: 481.429+/-0.052 χ^2/NDF: 22704796.8/87

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 88.550+/-54.579 χ^2/NDF: 18.3/17

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 20.996+/-54.771 χ^2/NDF: 22.1/21

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

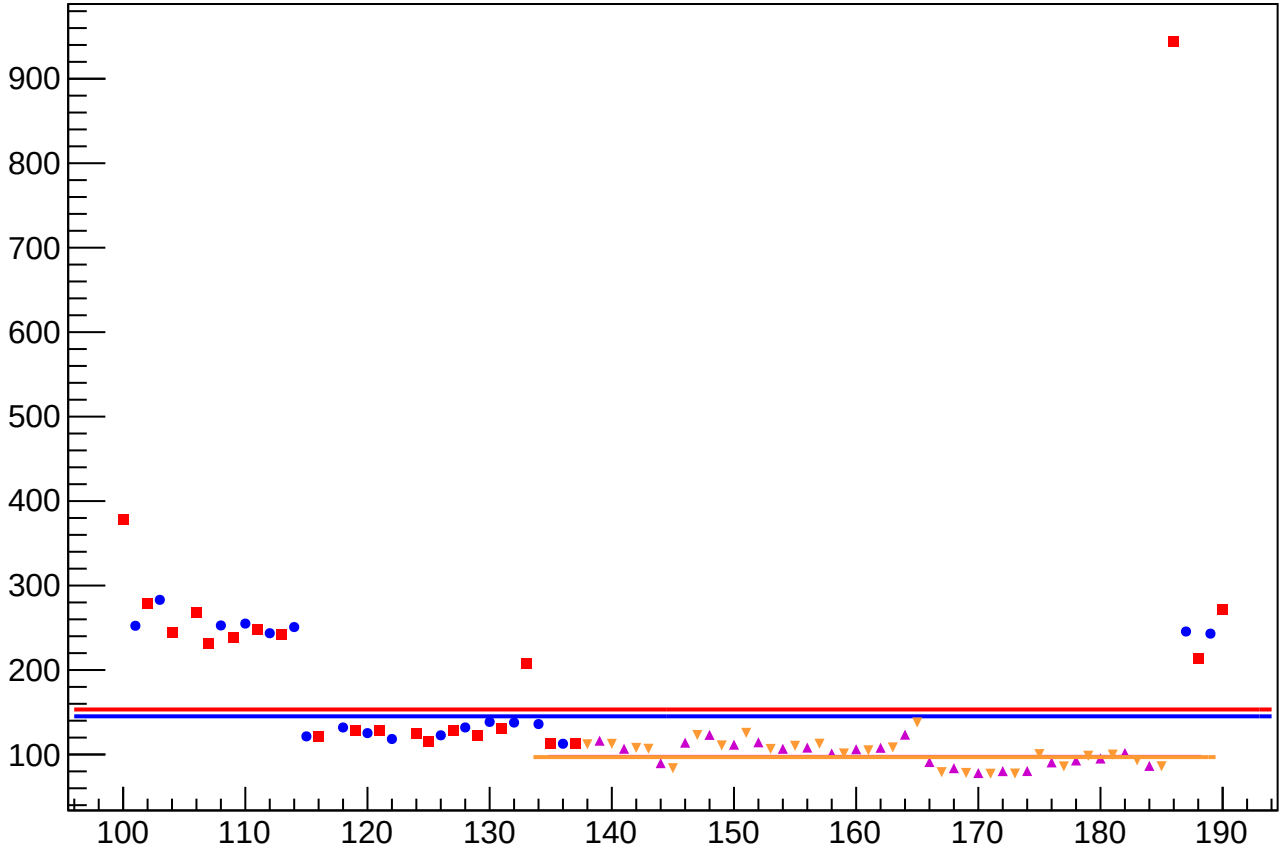
Right: 54.892+/-38.661 χ^2/NDF: 41.1/39

In: 70.352+/-21.289 χ^2/NDF:47.1/40

Out: 23.461+/-20.744 χ^2/NDF:57.2/46

All: 46.298+/-14.857 χ^2/NDF: 106.8/87

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 145.177+/-0.039 χ^2/NDF: 1499896.5/17

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 153.290+/-0.039 χ^2/NDF: 2386767.6/21

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

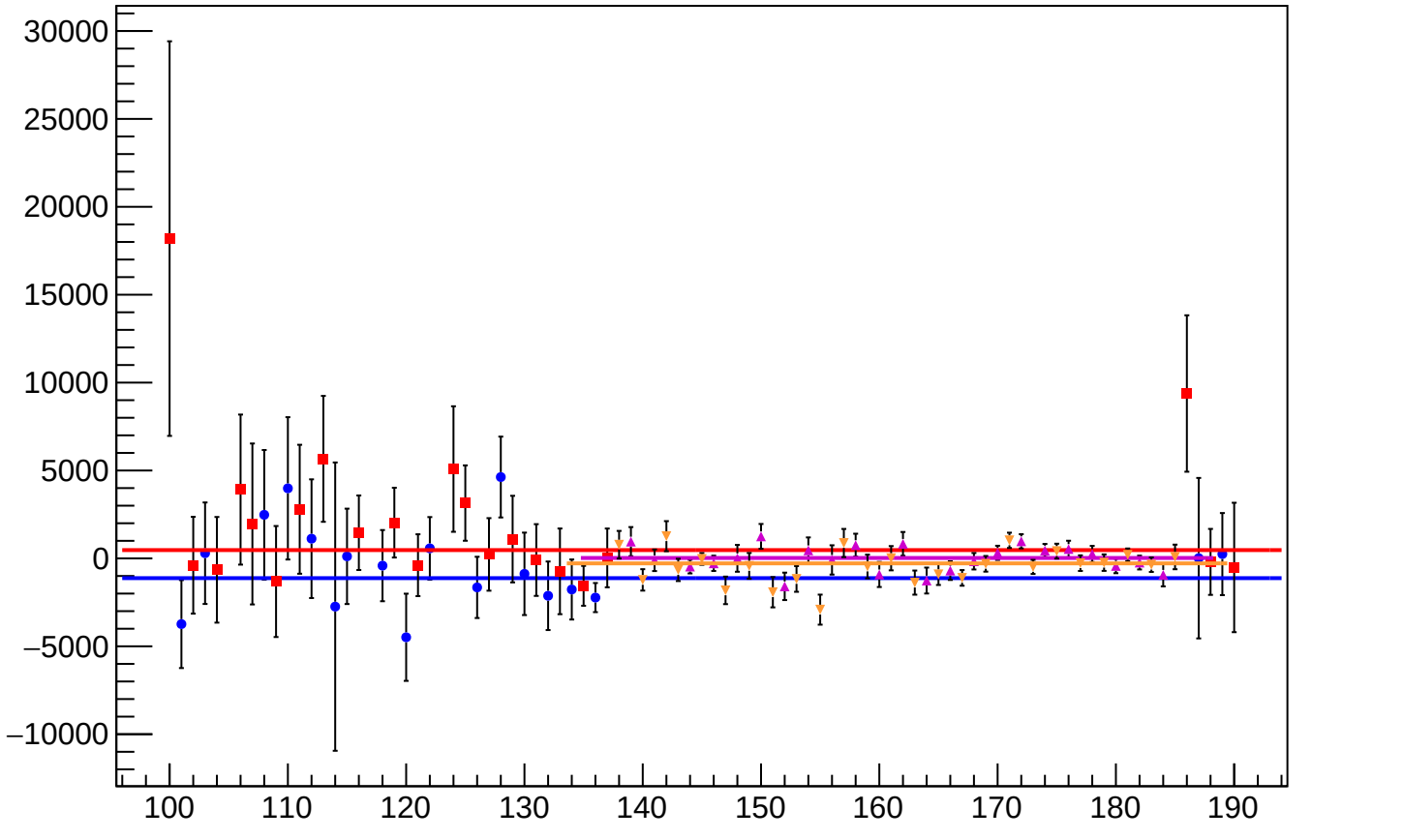
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 149.219+/-0.027 χ^2/NDF: 3908682.4/39

In: 104.472+/-0.015 χ^2/NDF:3486528.4/40

Out: 104.995+/-0.015 χ^2/NDF:5136159.7/46

All: 104.740+/-0.011 χ^2/NDF: 8623307.5/87



Right In: -1122.784+/-478.197 χ^2/NDF: 16.4/17

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 473.297+/-496.732 χ^2/NDF: 18.5/21

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

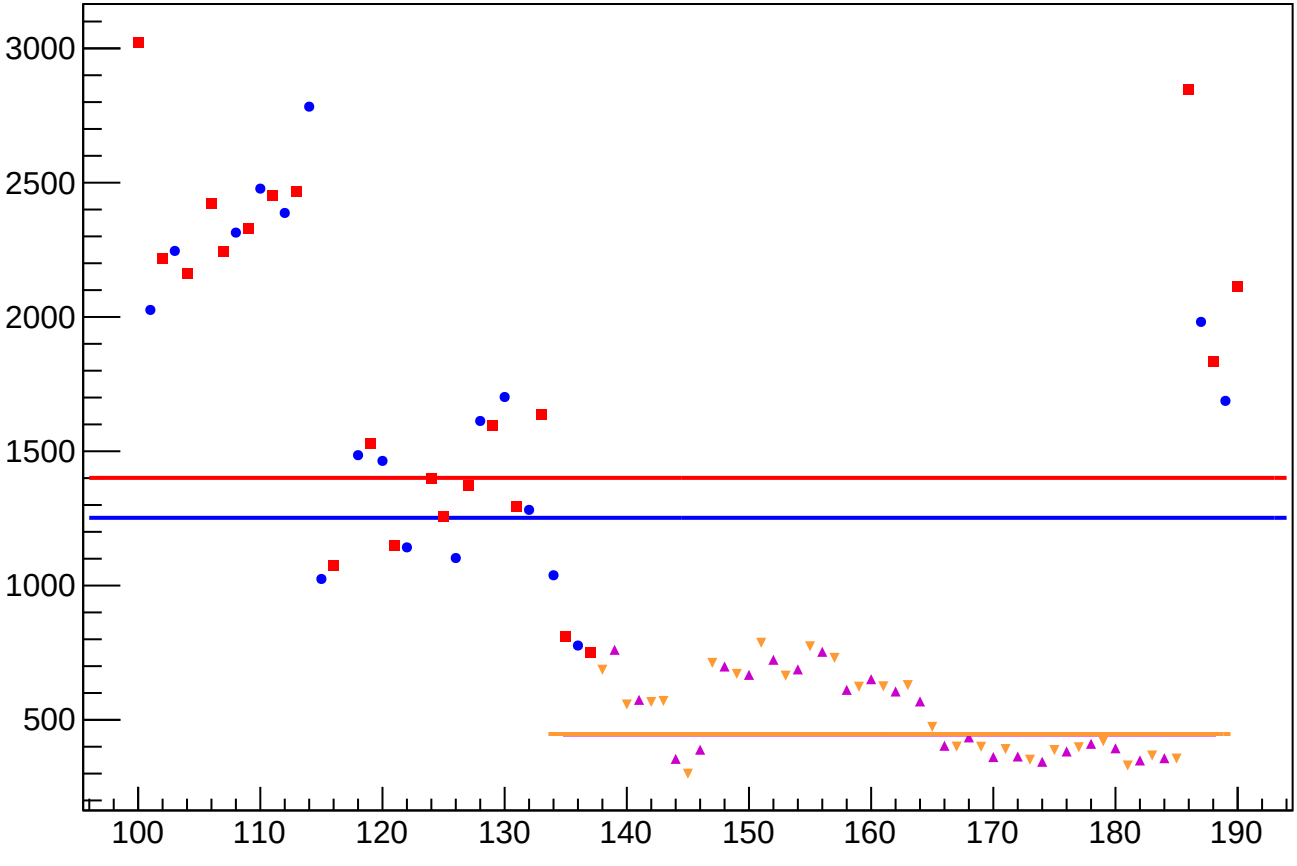
Right: -355.077+/-344.503 χ^2/NDF: 40.2/39

In: -31.930+/-106.166 χ^2/NDF:54.8/40

Out: -249.273+/-104.035 χ^2/NDF:71.1/46

All: -142.806+/-74.306 χ^2/NDF: 128.1/87

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1252.226+/-0.338 χ^2/NDF: 2086447.3/17

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1400.955+/-0.351 χ^2/NDF: 2421109.7/21

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

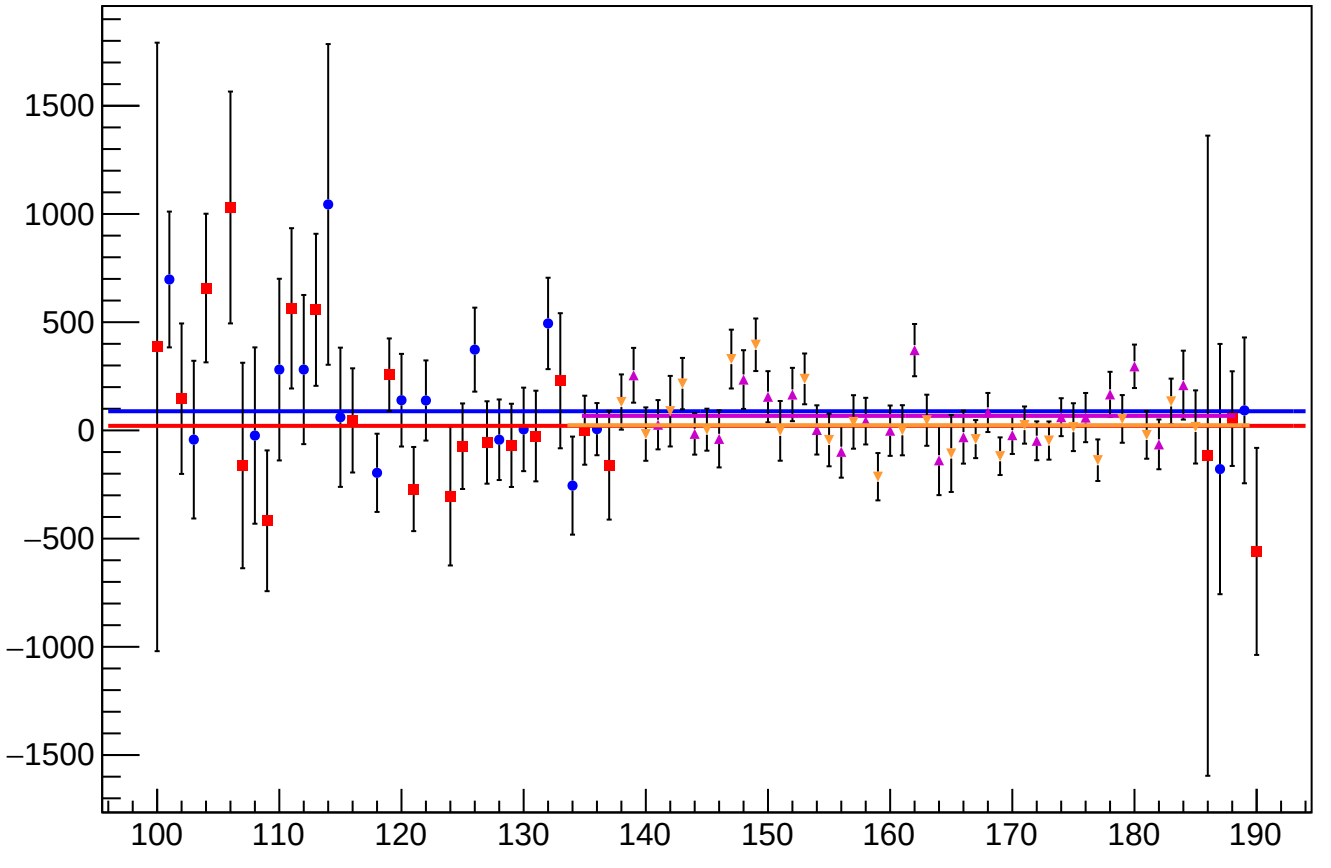
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1323.764+/-0.244 χ^2/NDF: 4600614.5/39

In: 485.255+/-0.075 χ^2/NDF:10211347.1/40

Out: 489.213+/-0.074 χ^2/NDF:12665975.2/46

All: 487.274+/-0.053 χ^2/NDF: 22878740.4/87



Right In: 88.553+/-54.579 χ^2/NDF: 18.3/17

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 20.997+/-54.770 χ^2/NDF: 22.1/21

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

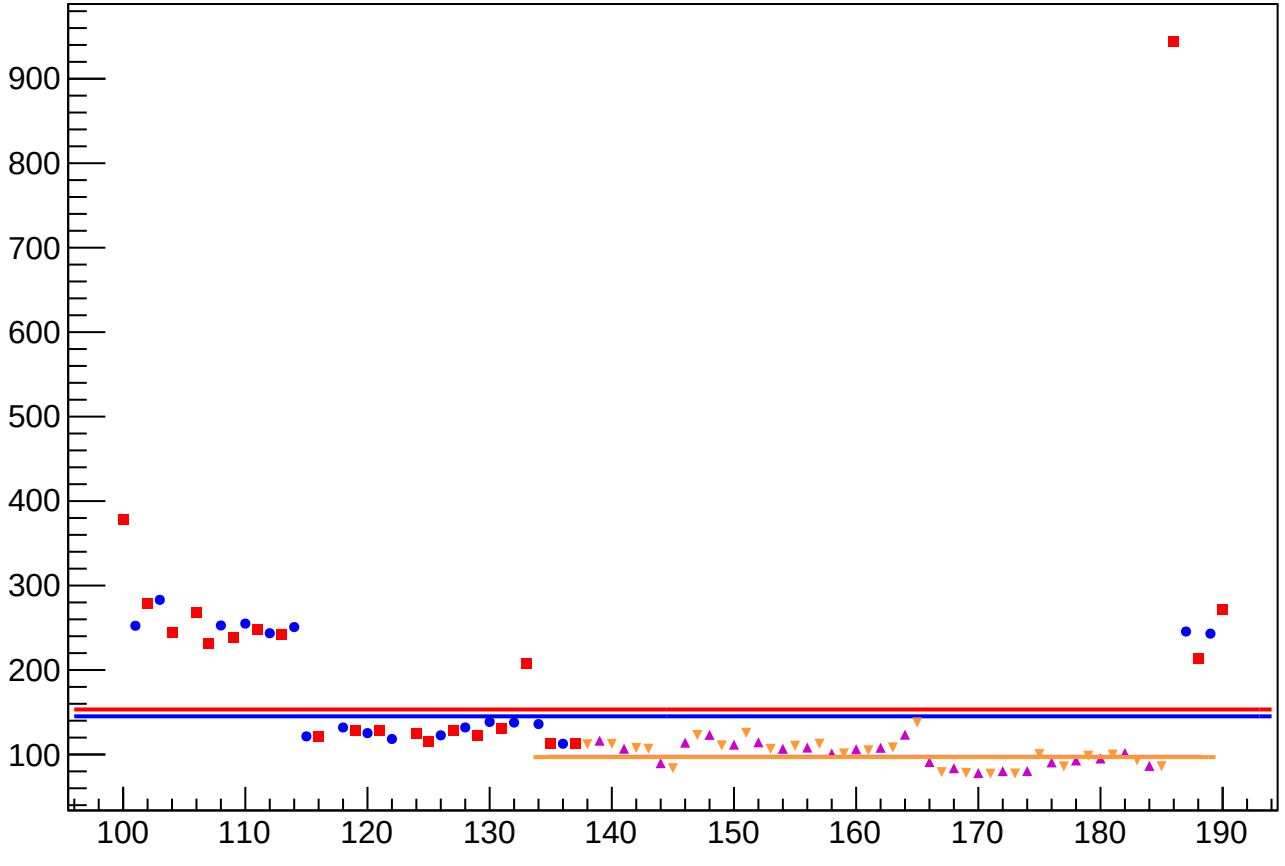
Right: 54.893+/-38.661 χ^2/NDF: 41.1/39

In: 70.352+/-21.289 χ^2/NDF:47.1/40

Out: 23.459+/-20.744 χ^2/NDF:57.2/46

All: 46.297+/-14.857 χ^2/NDF: 106.8/87

eigen_dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 145.176+/-0.039 χ^2/NDF: 1499886.2/17

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 153.289+/-0.039 χ^2/NDF: 2386757.9/21

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

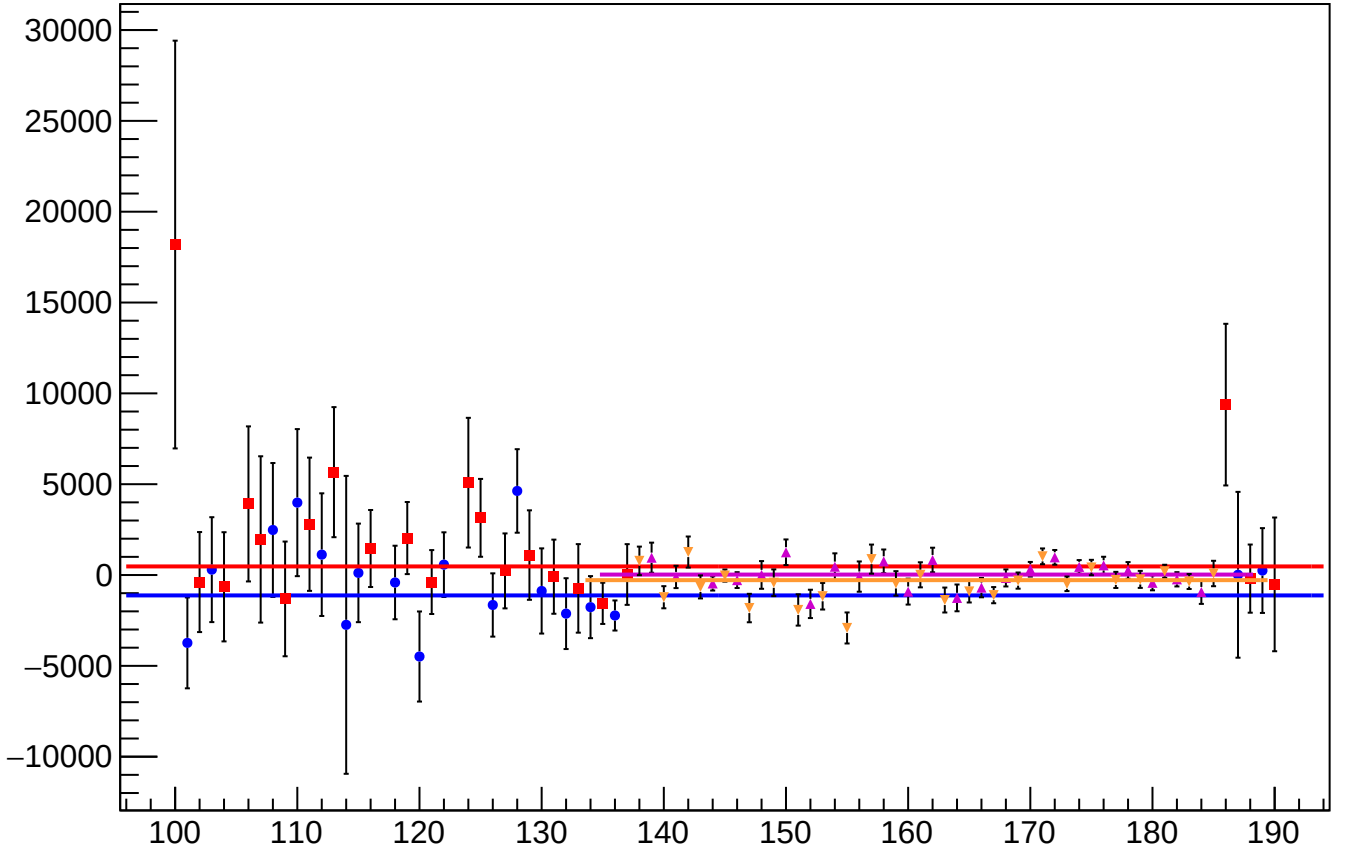
Right: 149.218+/-0.027 χ^2/NDF: 3908664.3/39

In: 104.472+/-0.015 χ^2/NDF:3486460.9/40

Out: 104.995+/-0.015 χ^2/NDF:5136114.1/46

All: 104.741+/-0.011 χ^2/NDF: 8623194.4/87

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1122.781+/-478.196 χ^2/NDF: 16.4/17

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 473.298+/-496.732 χ^2/NDF: 18.5/21

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

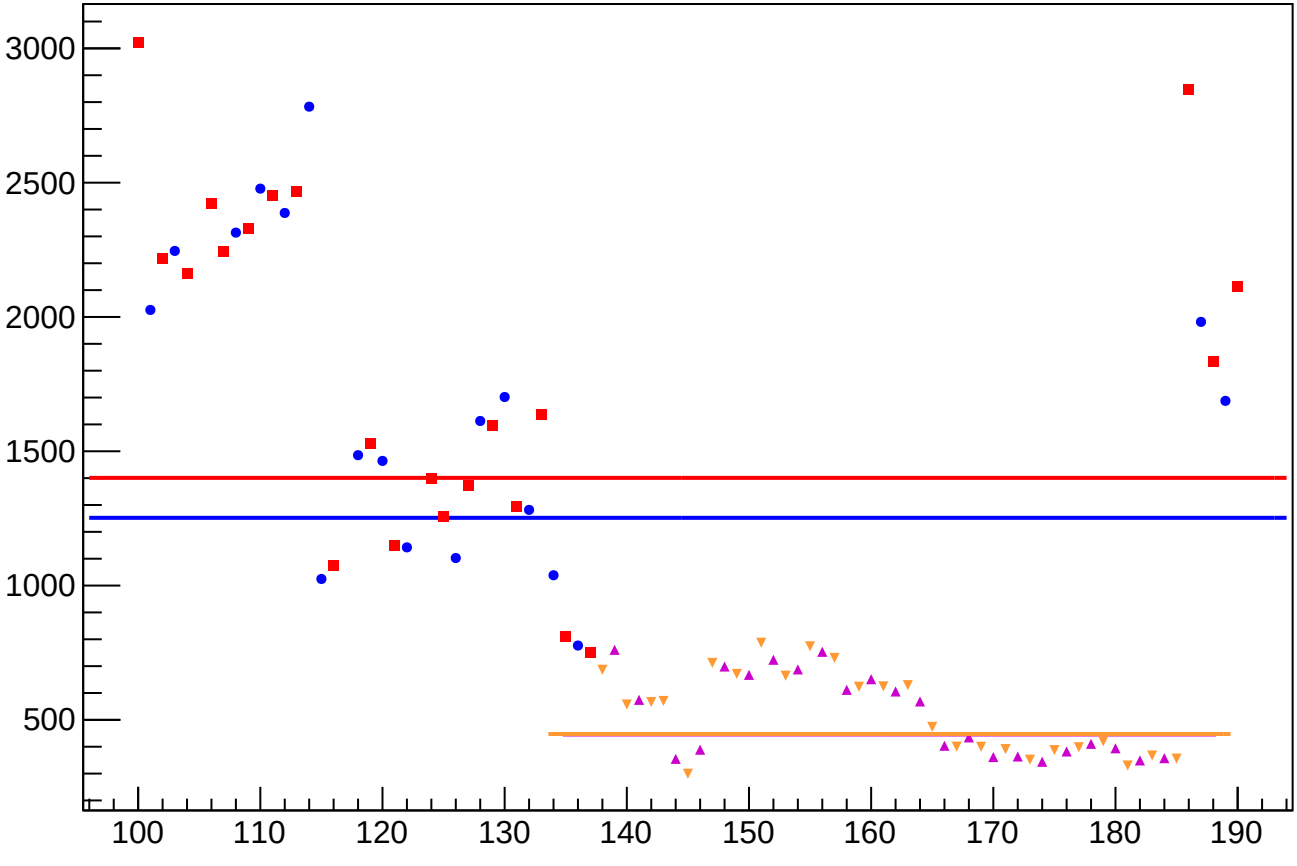
Right: -355.075+/-344.502 χ^2/NDF: 40.2/39

In: -31.930+/-106.166 χ^2/NDF:54.8/40

Out: -249.272+/-104.034 χ^2/NDF:71.1/46

All: -142.805+/-74.306 χ^2/NDF: 128.1/87

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1252.225+/-0.338 χ^2/NDF: 2086426.9/17

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1400.955+/-0.351 χ^2/NDF: 2421094.1/21

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

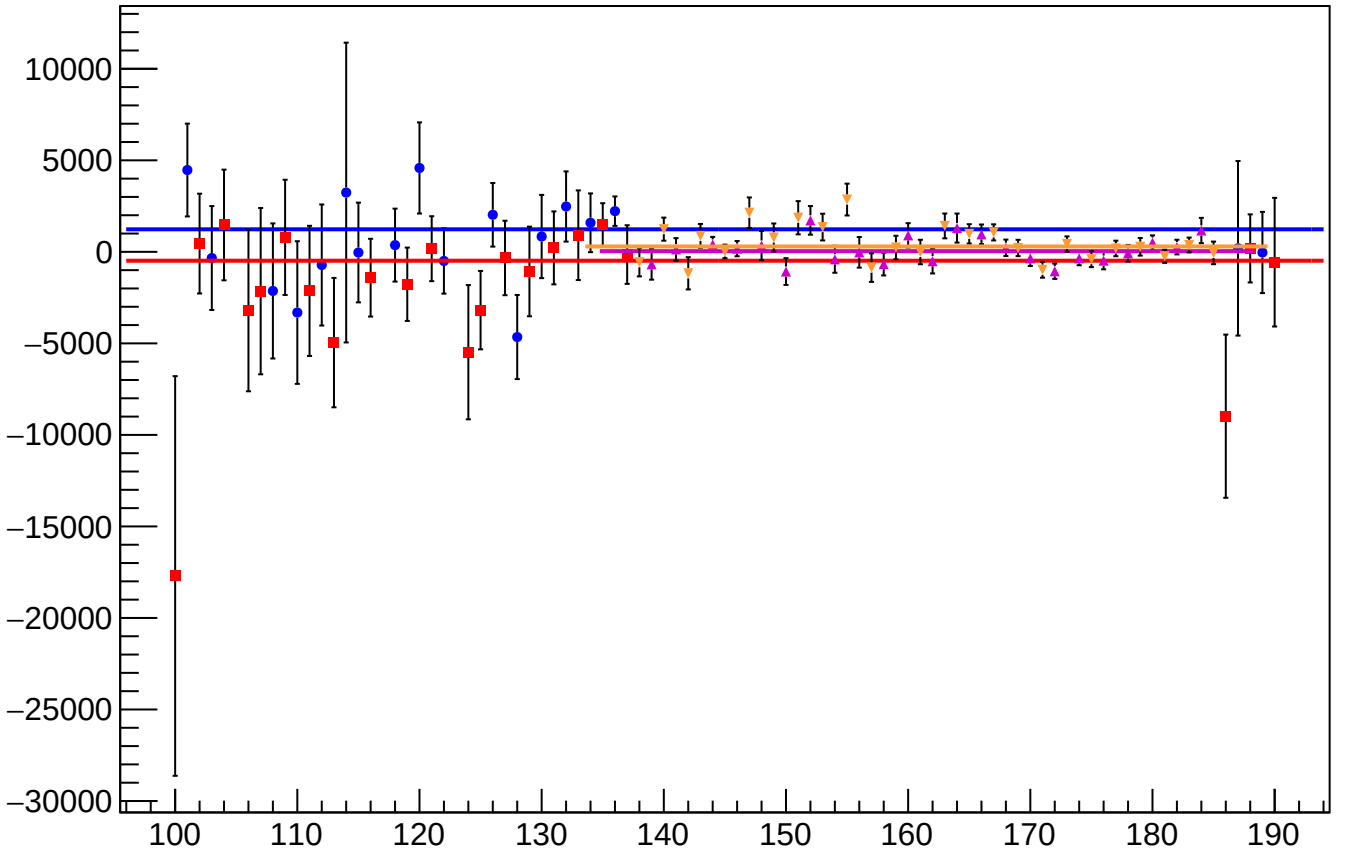
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1323.763+/-0.244 χ^2/NDF: 4600578.3/39

In: 485.255+/-0.075 χ^2/NDF:10211344.9/40

Out: 489.213+/-0.074 χ^2/NDF:12665991.5/46

All: 487.274+/-0.053 χ^2/NDF: 22878754.5/87



Right In: 1231.234+/-468.689 χ^2/NDF: 16.9/17

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -484.174+/-496.575 χ^2/NDF: 16.8/21

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

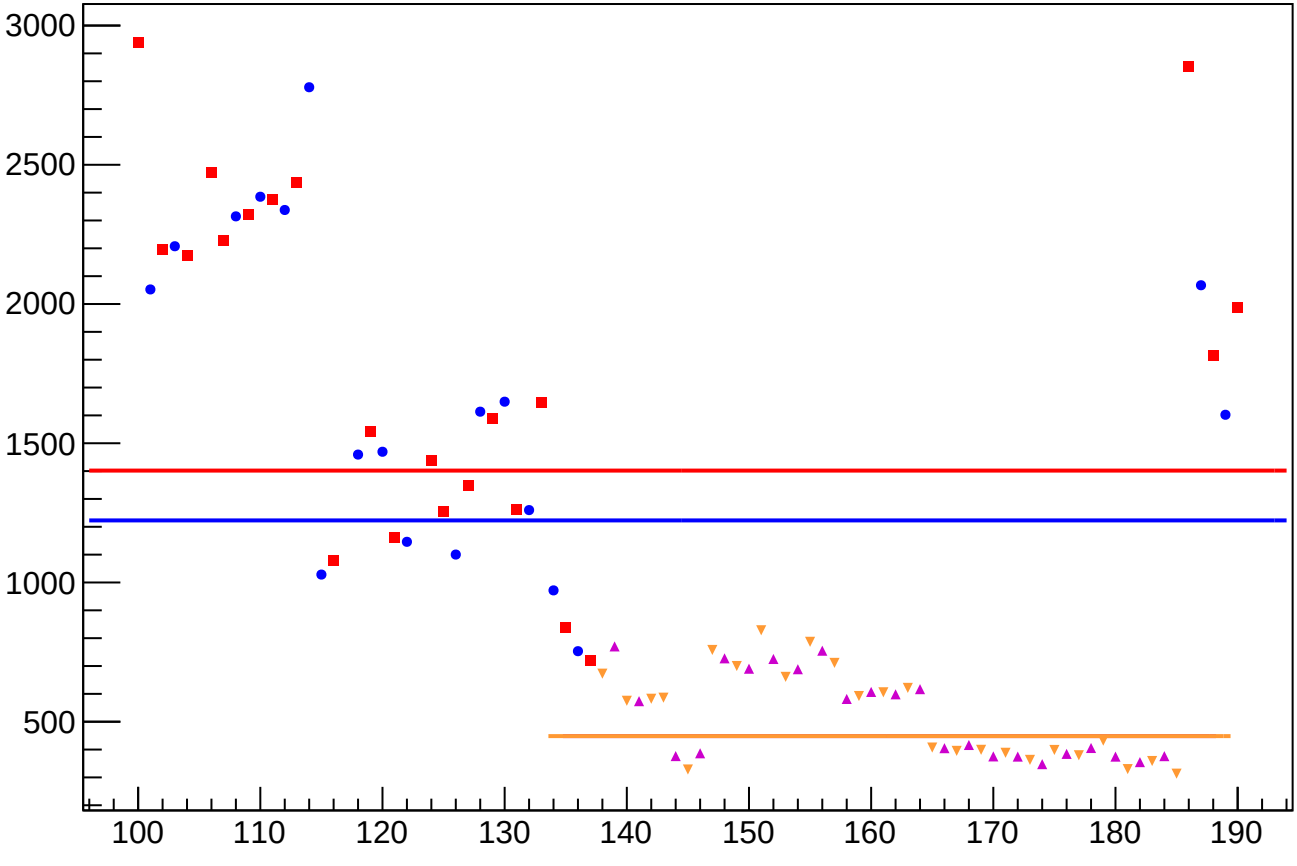
Right: 423.048+/-340.845 χ^2/NDF: 40.0/39

In: 99.663+/-106.458 χ^2/NDF:55.9/40

Out: 260.552+/-104.422 χ^2/NDF:69.7/46

All: 181.661+/-74.547 χ^2/NDF: 126.8/87

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1222.892+/-0.331 χ^2/NDF: 2159019.7/17

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1401.831+/-0.351 χ^2/NDF: 2349857.9/21

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

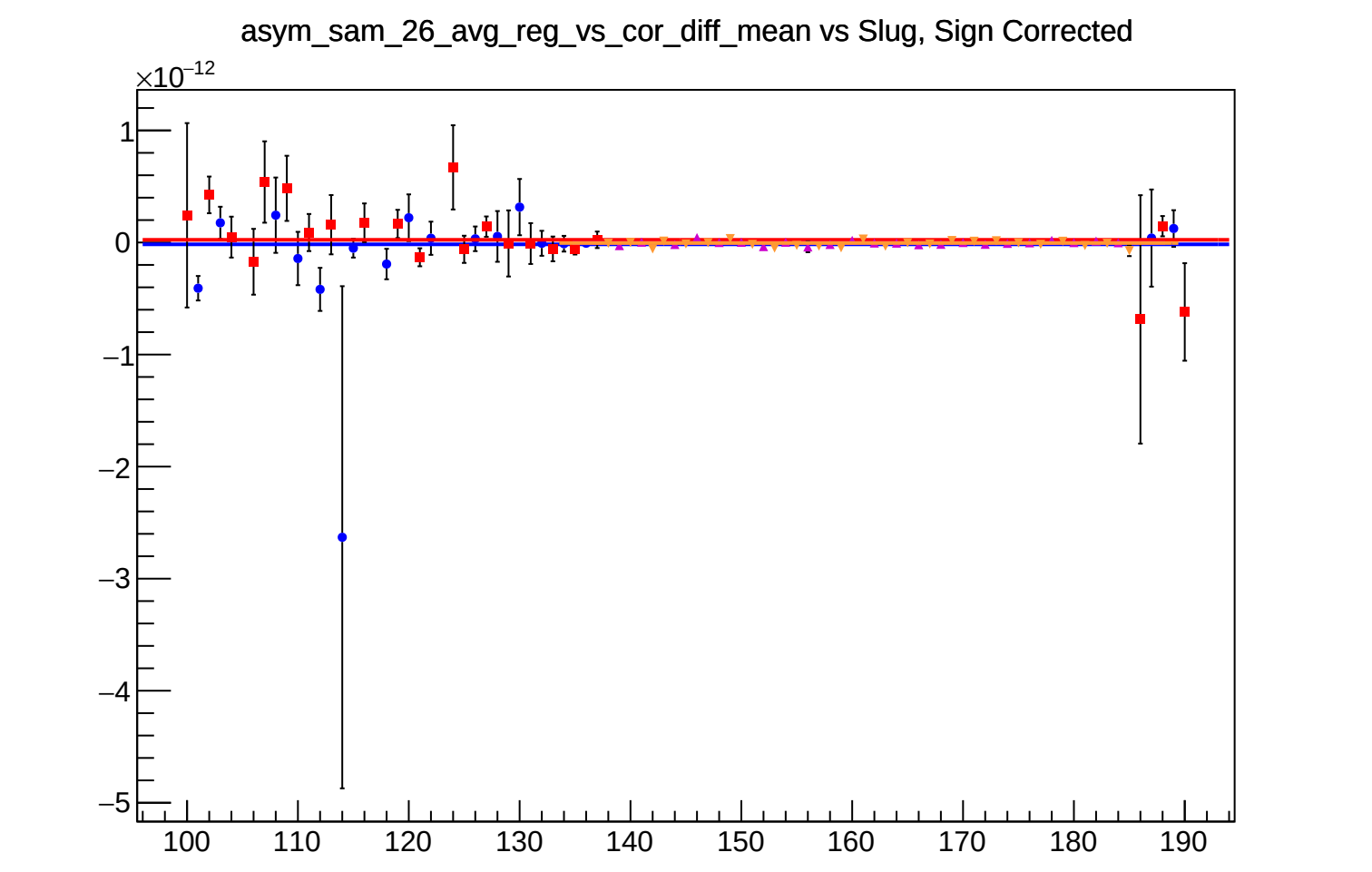
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1307.196+/-0.241 χ^2/NDF: 4646224.2/39

In: 488.355+/-0.075 χ^2/NDF:9959340.9/40

Out: 490.444+/-0.074 χ^2/NDF:12555446.4/46

All: 489.420+/-0.053 χ^2/NDF: 22515179.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/21

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

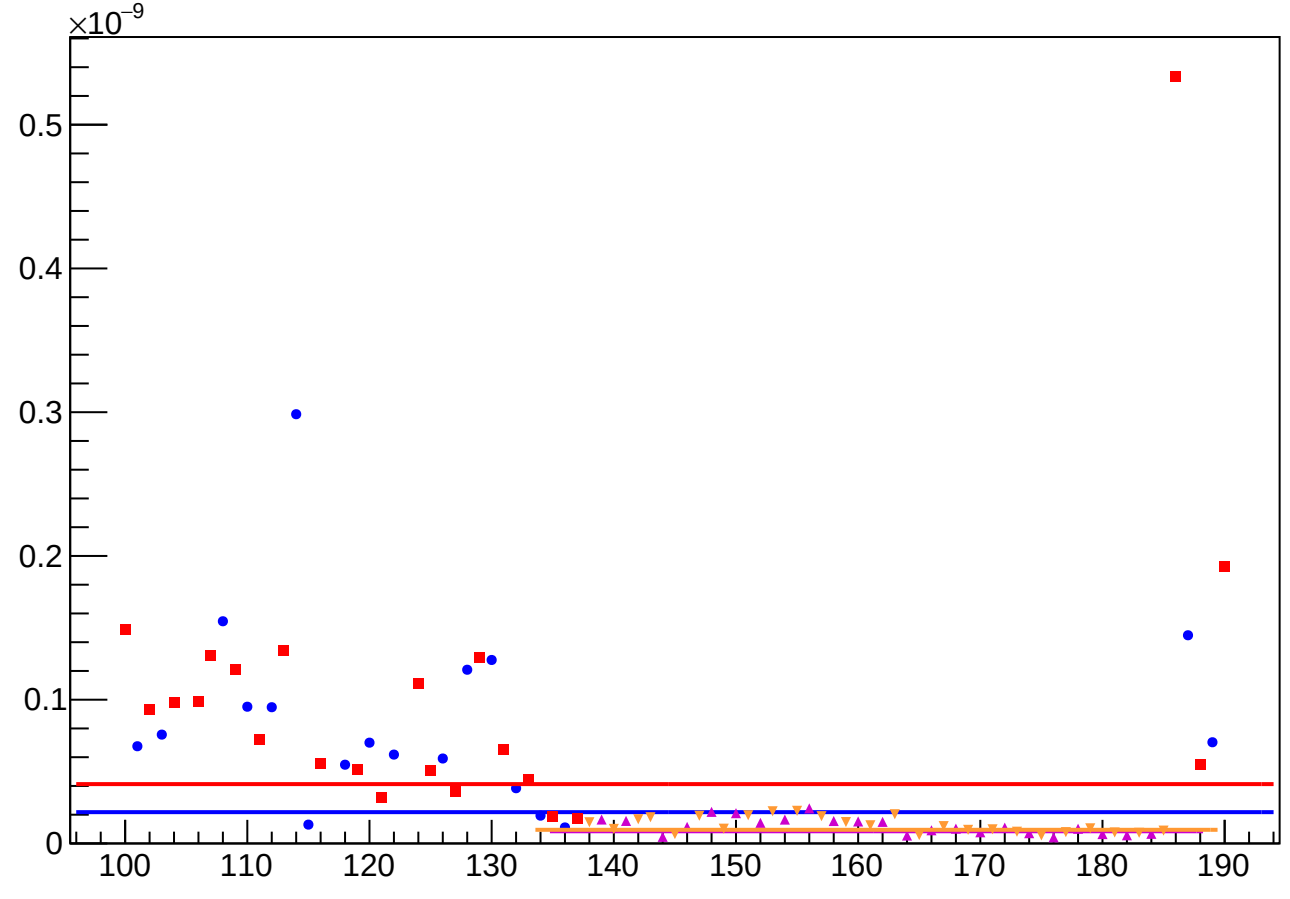
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 59.3/39

In: -0.000+/-0.000 χ^2/NDF:44.8/40

Out: -0.000+/-0.000 χ^2/NDF:54.4/46

All: -0.000+/-0.000 χ^2/NDF: 99.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 3723508.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2770786.2/21

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

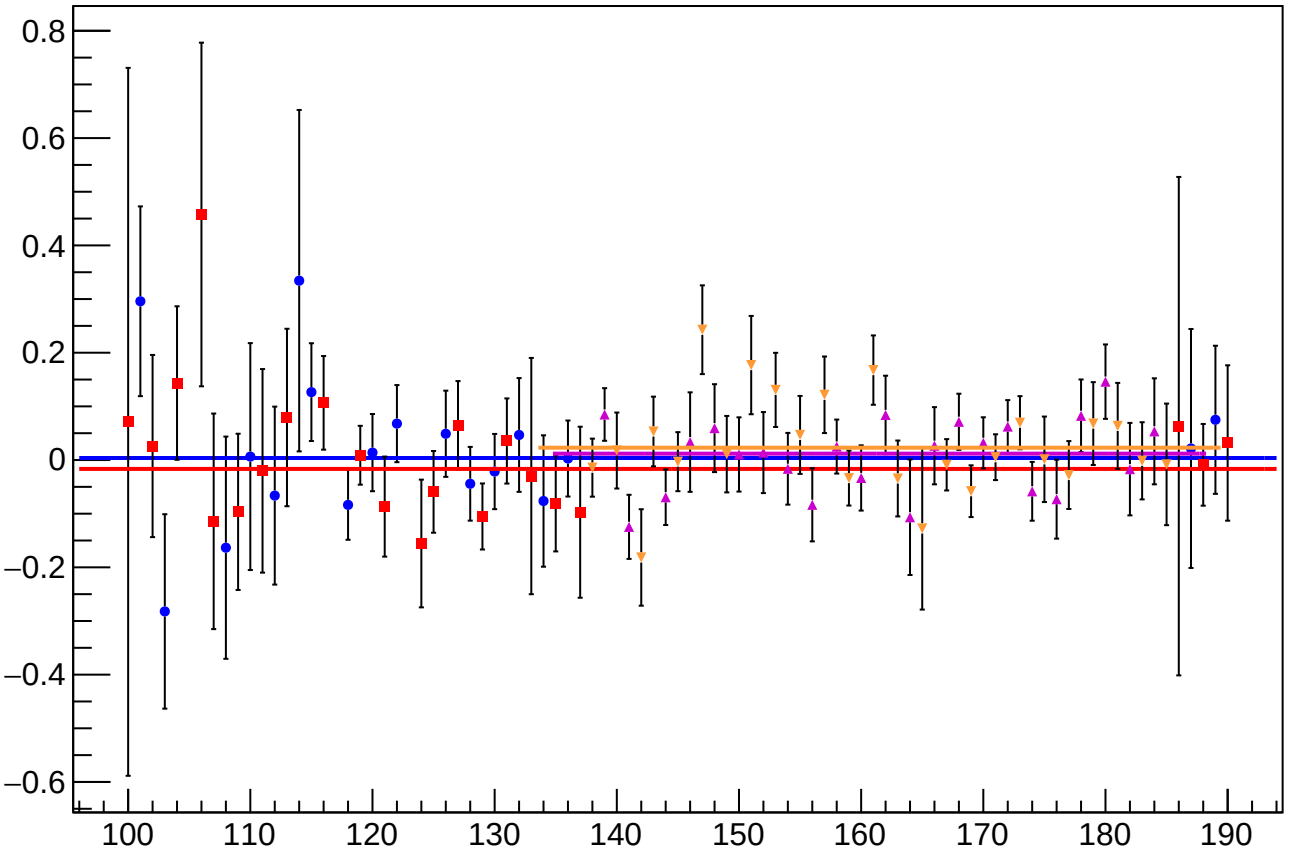
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7251574.9/39

In: 0.000+/-0.000 χ^2/NDF:7544372.0/40

Out: 0.000+/-0.000 χ^2/NDF:8047830.2/46

All: 0.000+/-0.000 χ^2/NDF: 15680188.8/87



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.017+/-0.022 χ^2/NDF: 13.3/21

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

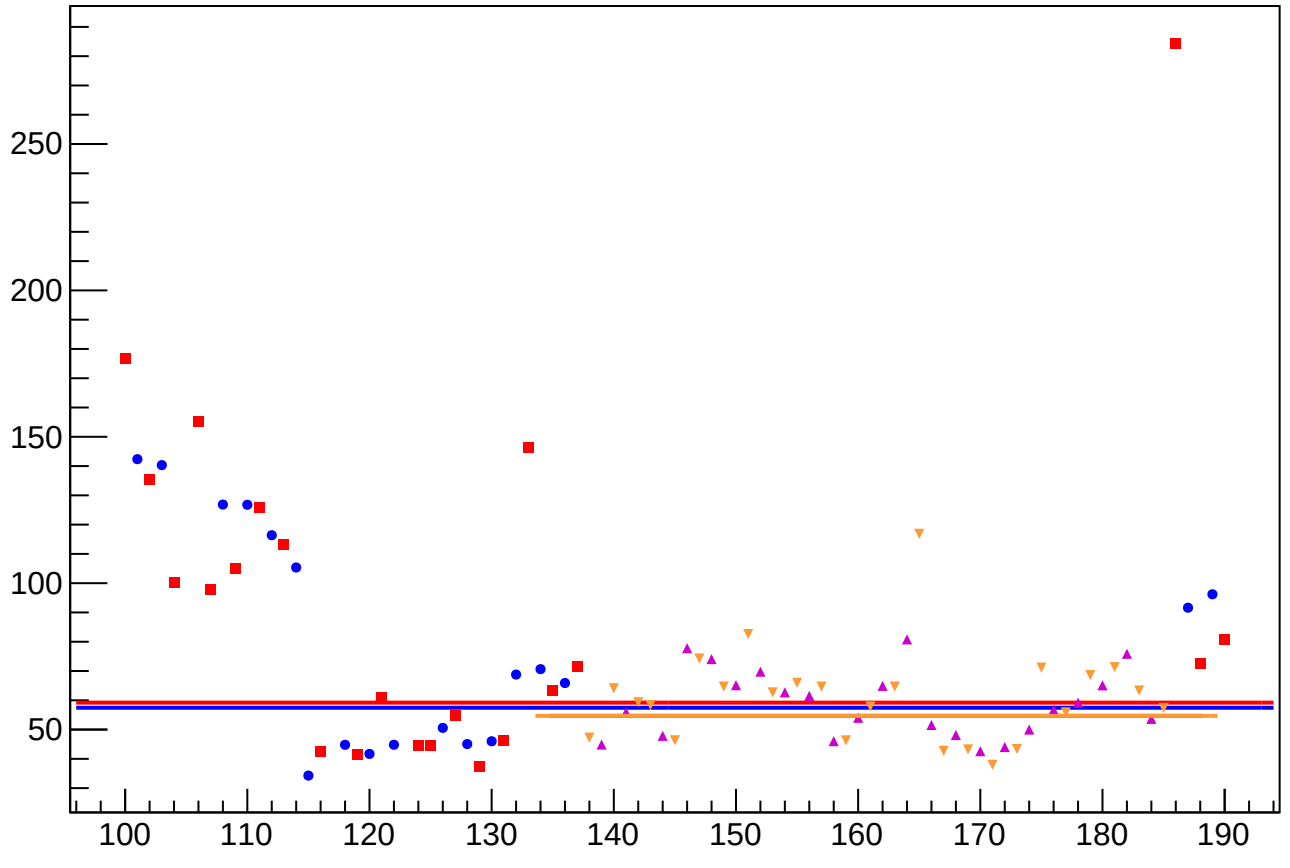
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.007+/-0.016 χ^2/NDF: 27.0/39

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/46

All: 0.011+/-0.008 χ^2/NDF: 89.2/87



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 59.205+/-0.016 χ^2/NDF: 3151871.2/21

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

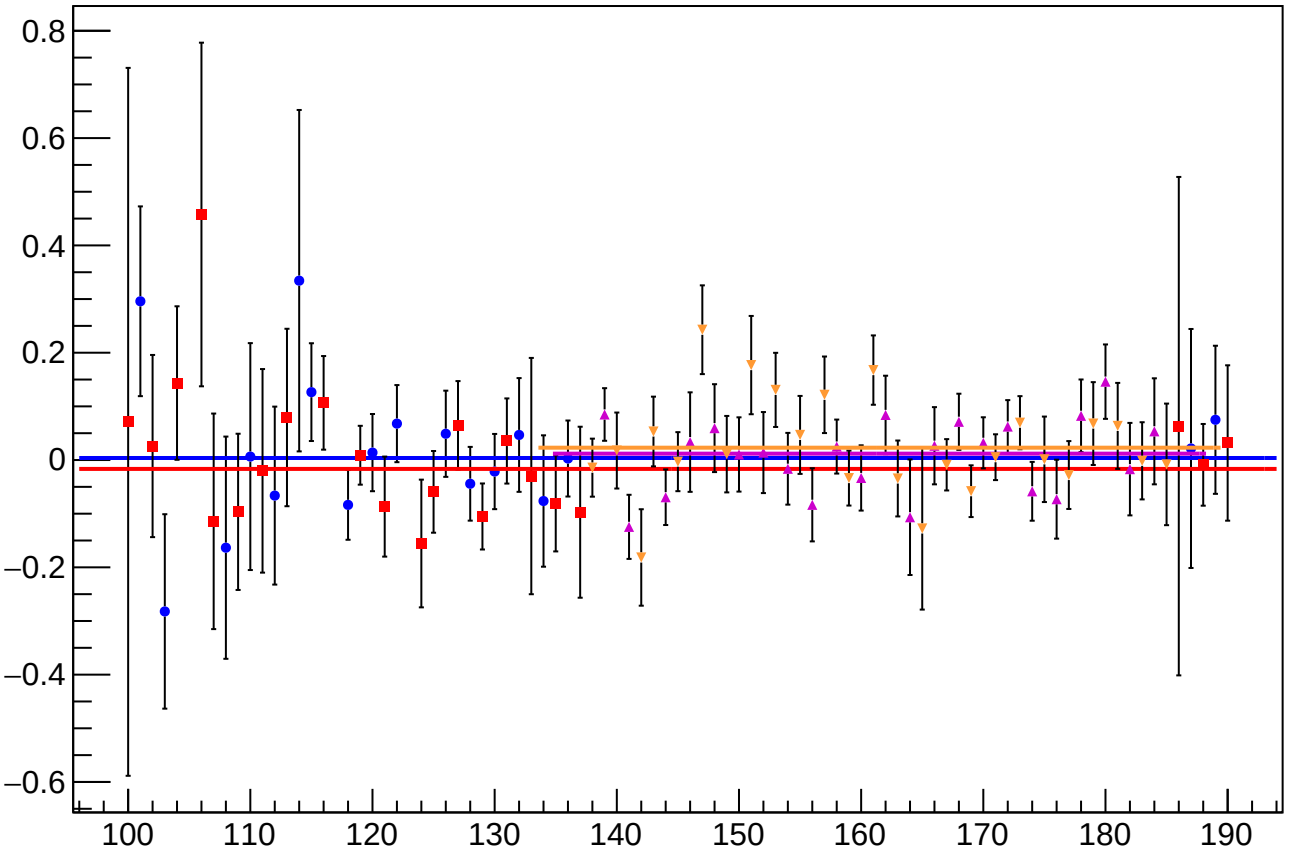
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 58.364+/-0.011 χ^2/NDF: 5550459.1/39

In: 55.381+/-0.008 χ^2/NDF:3605283.3/40

Out: 55.832+/-0.008 χ^2/NDF:5150408.2/46

All: 55.613+/-0.006 χ^2/NDF: 8757275.8/87



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.017+/-0.022 χ^2/NDF: 13.3/21

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

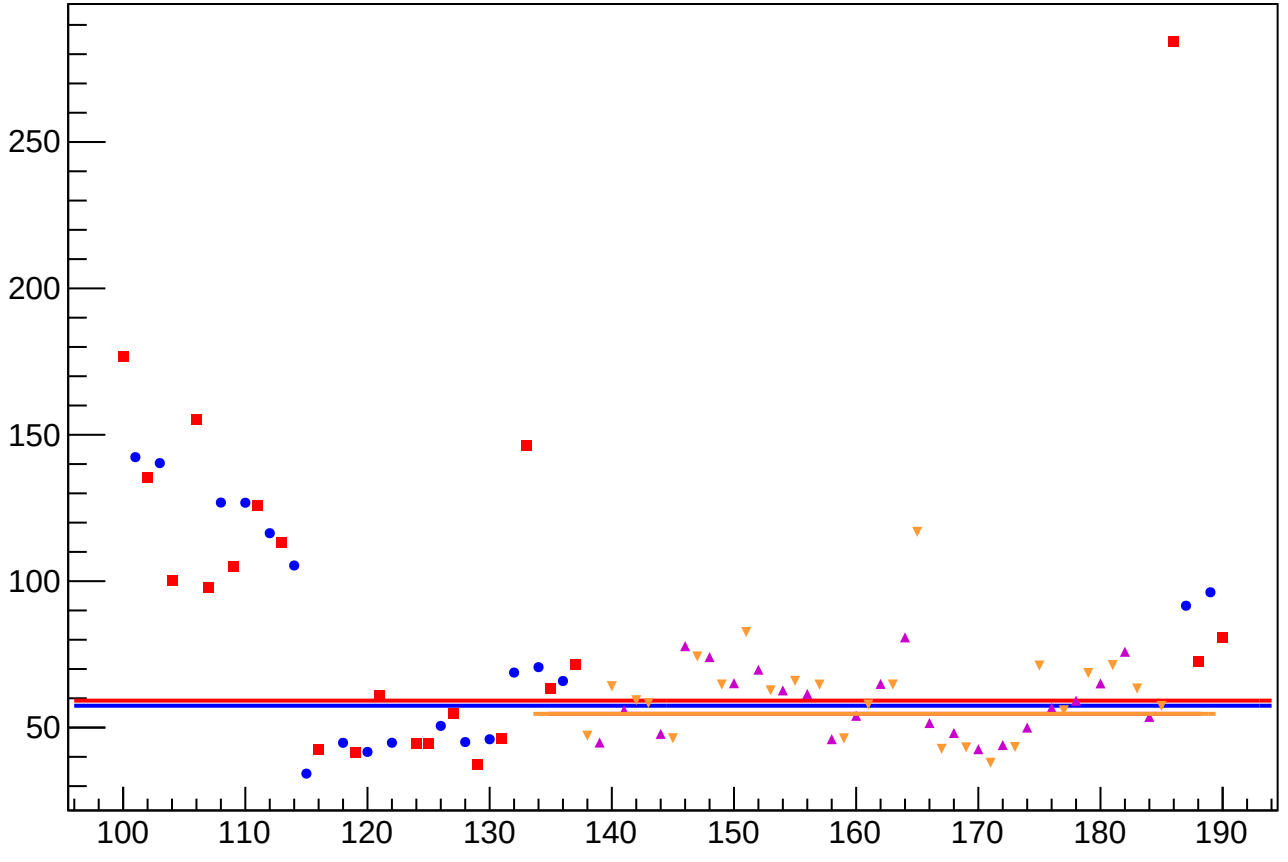
Right: -0.007+/-0.016 χ^2/NDF: 27.0/39

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/46

All: 0.011+/-0.008 χ^2/NDF: 89.2/87

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 59.205+/-0.016 χ^2/NDF: 3151871.2/21

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

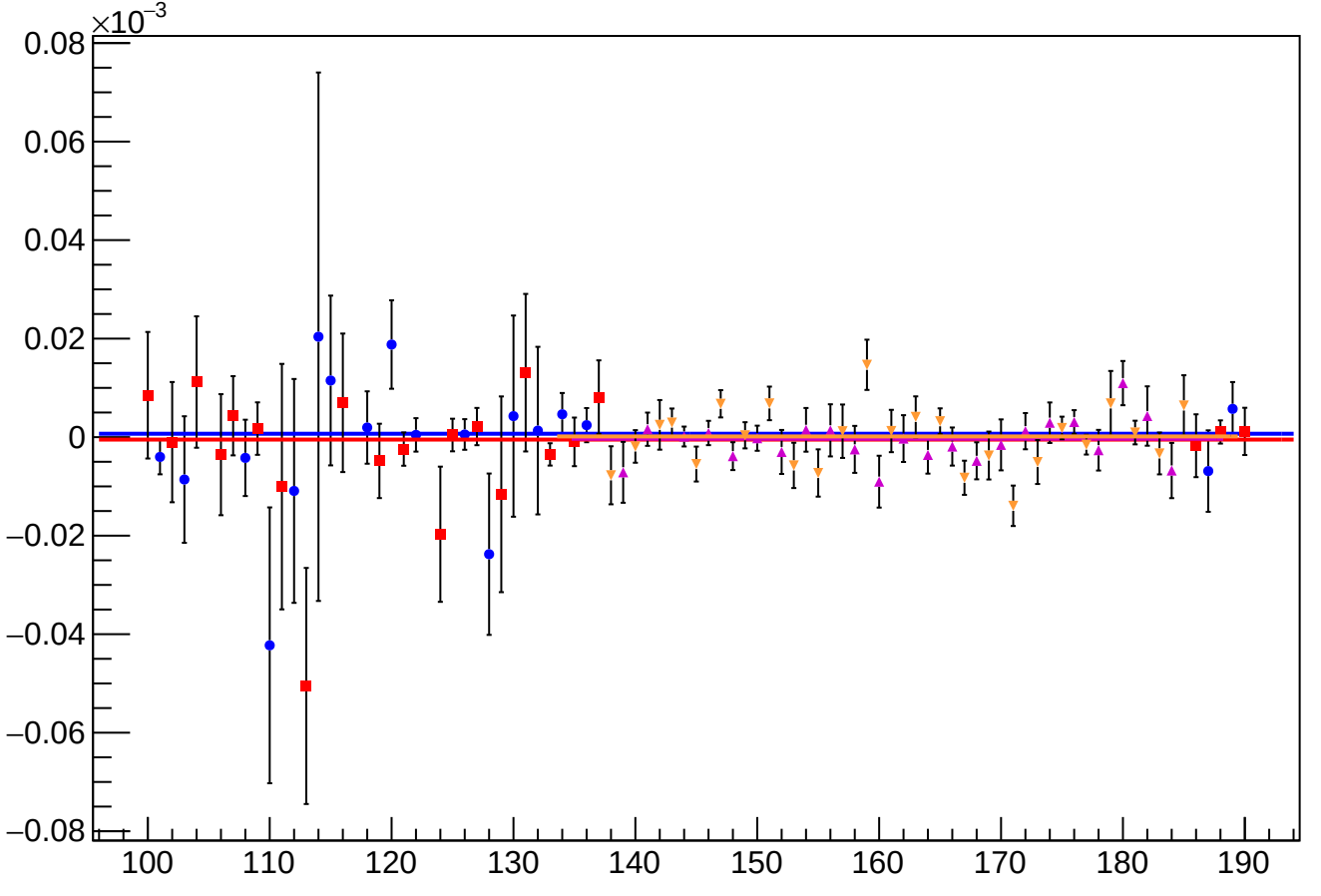
Right: 58.364+/-0.011 χ^2/NDF: 5550459.1/39

In: 55.381+/-0.008 χ^2/NDF:3605283.3/40

Out: 55.832+/-0.008 χ^2/NDF:5150408.2/46

All: 55.613+/-0.006 χ^2/NDF: 8757275.8/87

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/21

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

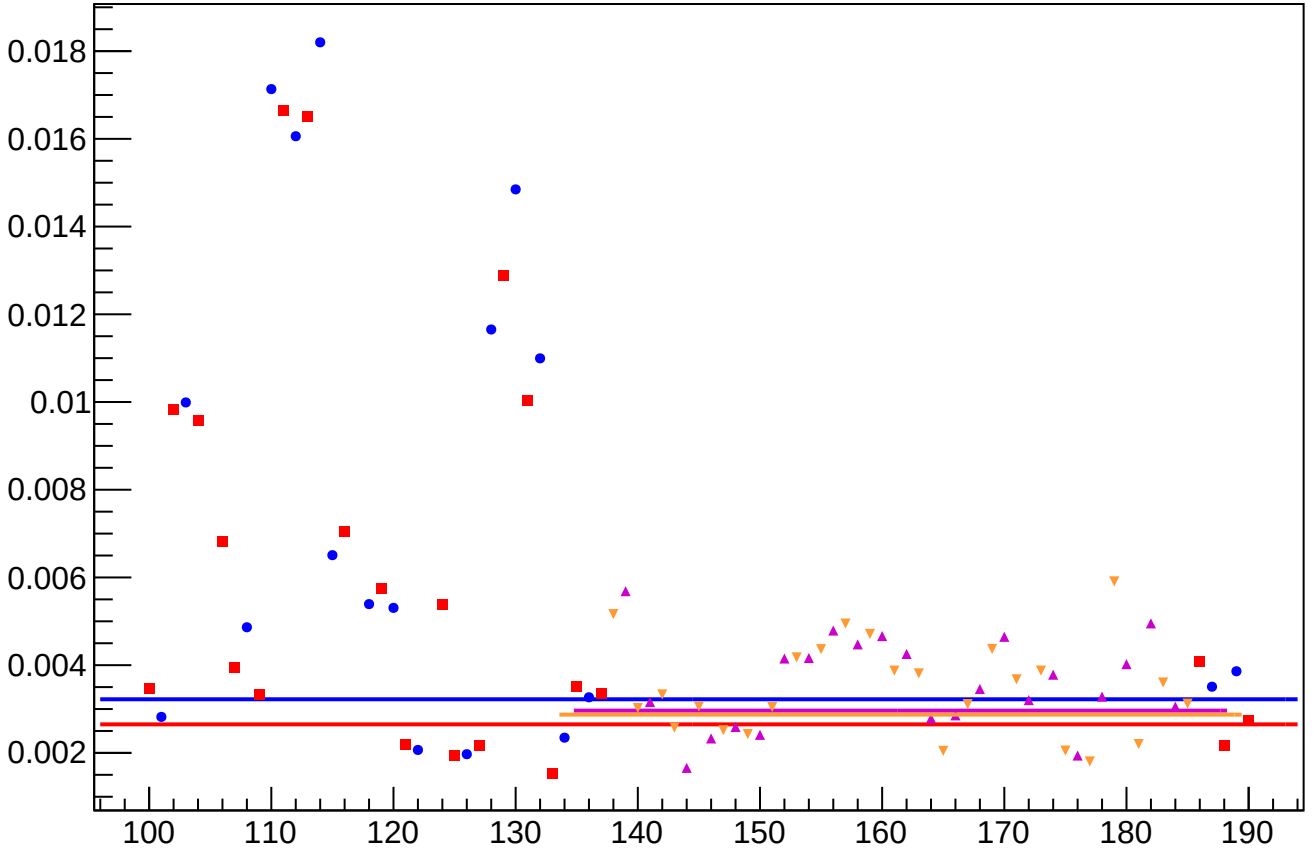
Right: -0.000+/-0.000 χ^2/NDF: 30.0/39

In: -0.000+/-0.000 χ^2/NDF:36.1/40

Out: -0.000+/-0.000 χ^2/NDF:68.5/46

All: -0.000+/-0.000 χ^2/NDF: 104.6/87

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4578324.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5343401.8/21

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

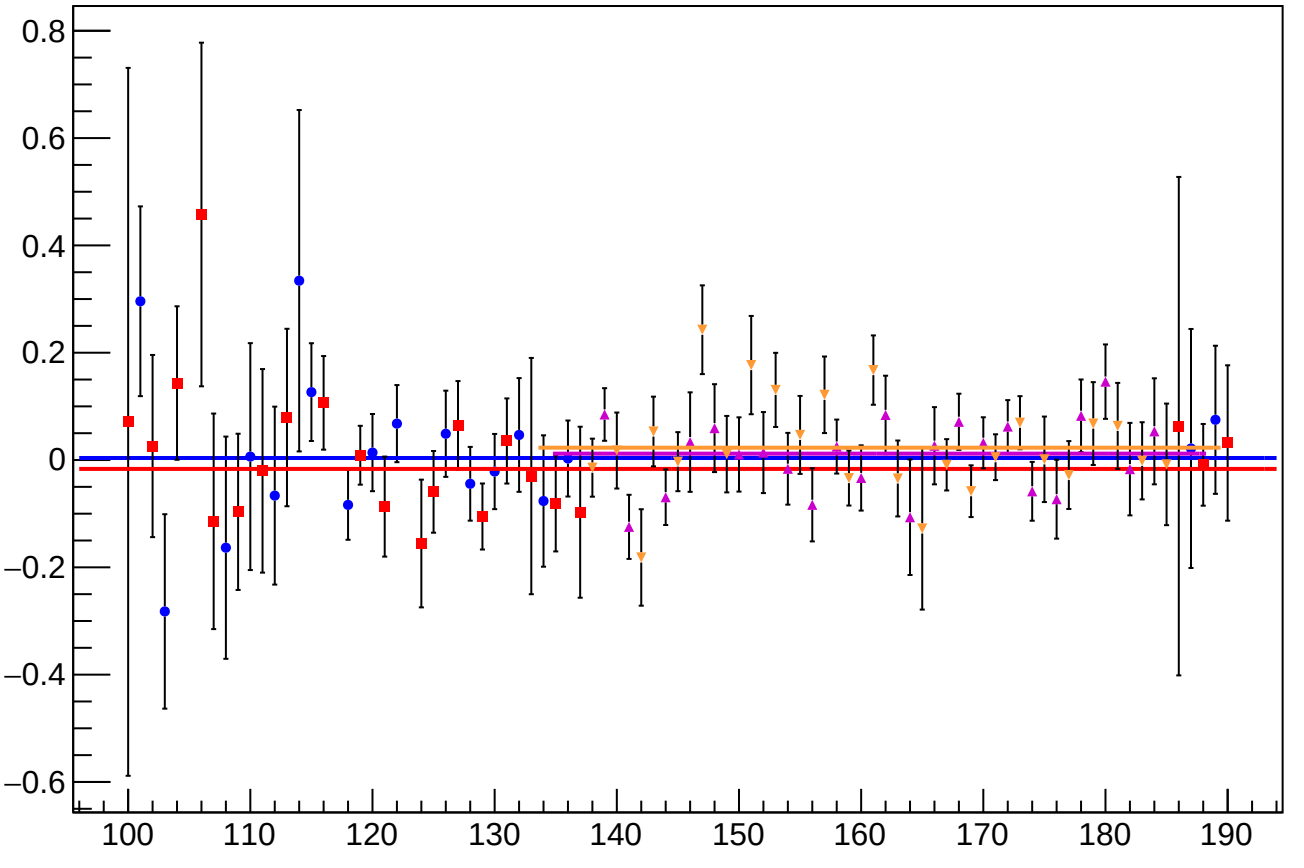
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 10135814.9/39

In: 0.003+/-0.000 χ^2/NDF:8251572.9/40

Out: 0.003+/-0.000 χ^2/NDF:9006489.7/46

All: 0.003+/-0.000 χ^2/NDF: 17377871.6/87



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.017+/-0.022 χ^2/NDF: 13.3/21

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

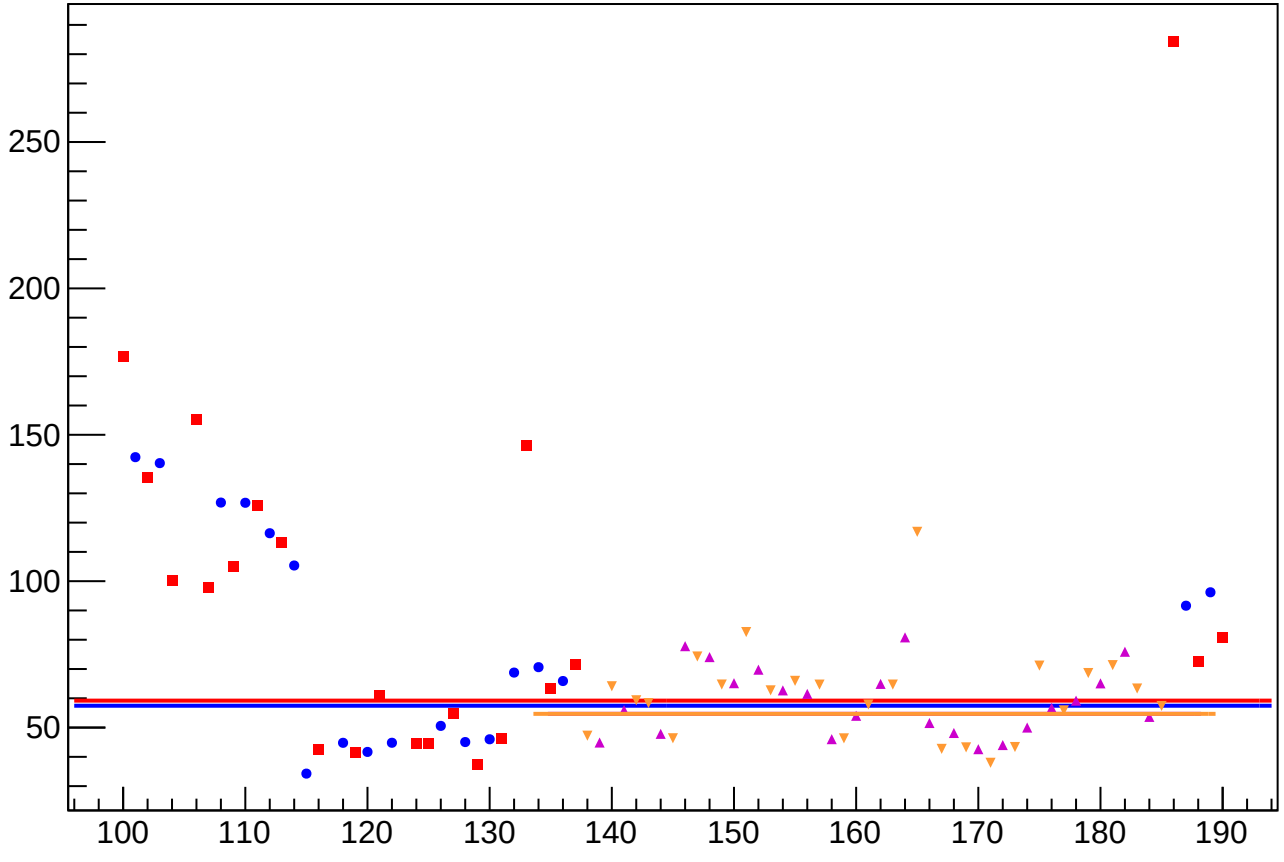
Right: -0.007+/-0.016 χ^2/NDF: 27.0/39

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/46

All: 0.011+/-0.008 χ^2/NDF: 89.2/87

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 59.205+/-0.016 χ^2/NDF: 3151832.7/21

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

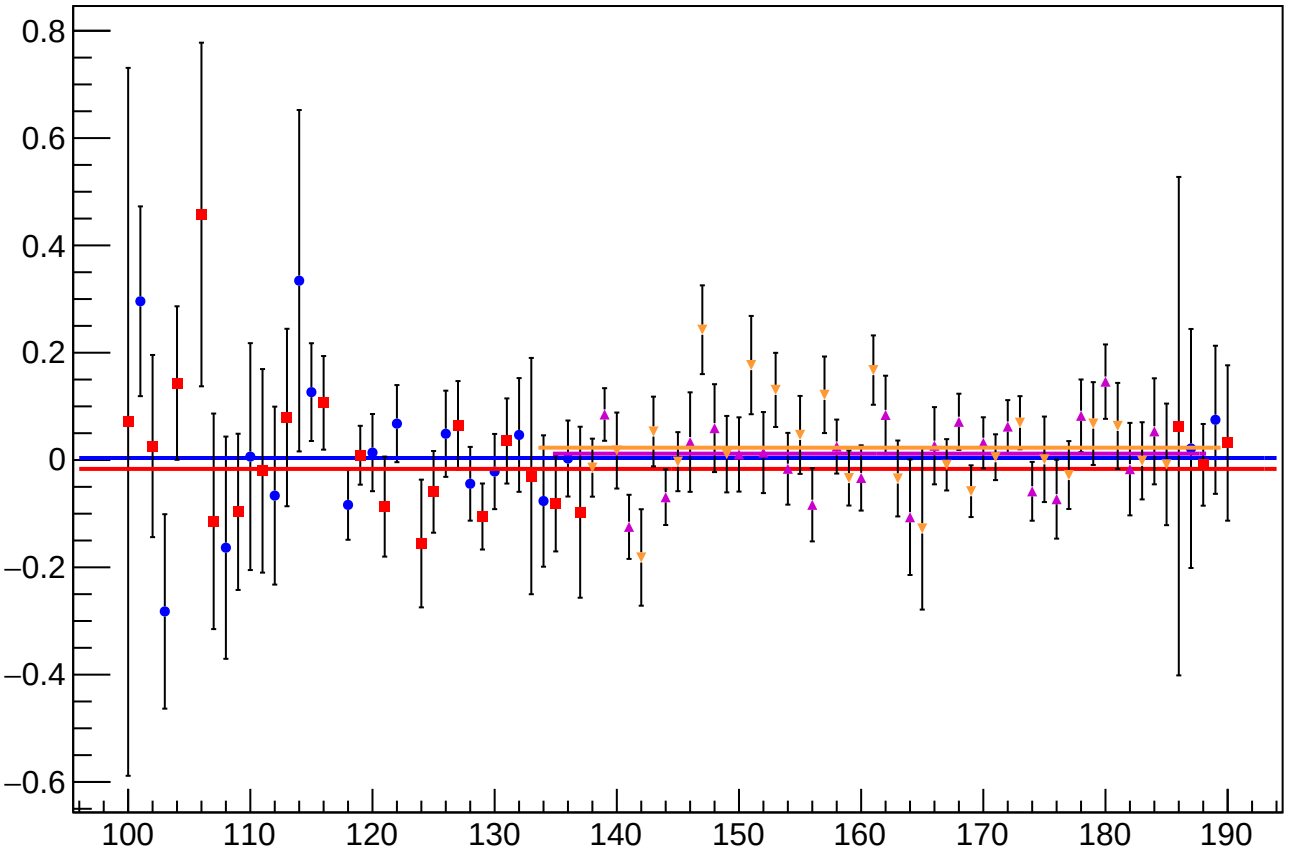
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 58.363+/-0.011 χ^2/NDF: 5550371.1/39

In: 55.382+/-0.008 χ^2/NDF:3605189.3/40

Out: 55.833+/-0.008 χ^2/NDF:5150340.0/46

All: 55.613+/-0.006 χ^2/NDF: 8757112.6/87



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.017+/-0.022 χ^2/NDF: 13.3/21

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

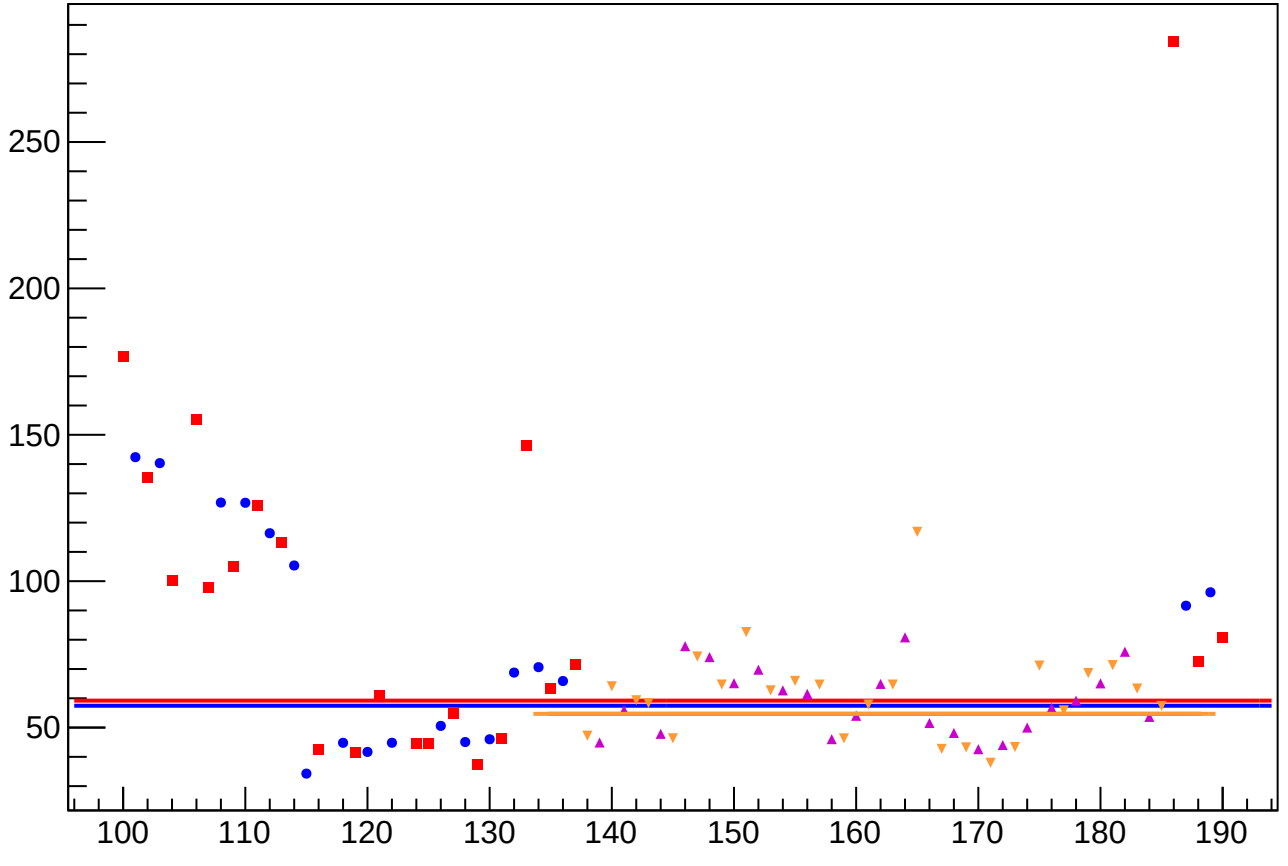
Right: -0.007+/-0.016 χ^2/NDF: 27.0/39

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/46

All: 0.011+/-0.008 χ^2/NDF: 89.2/87

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 59.205+/-0.016 χ^2/NDF: 3151832.7/21

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

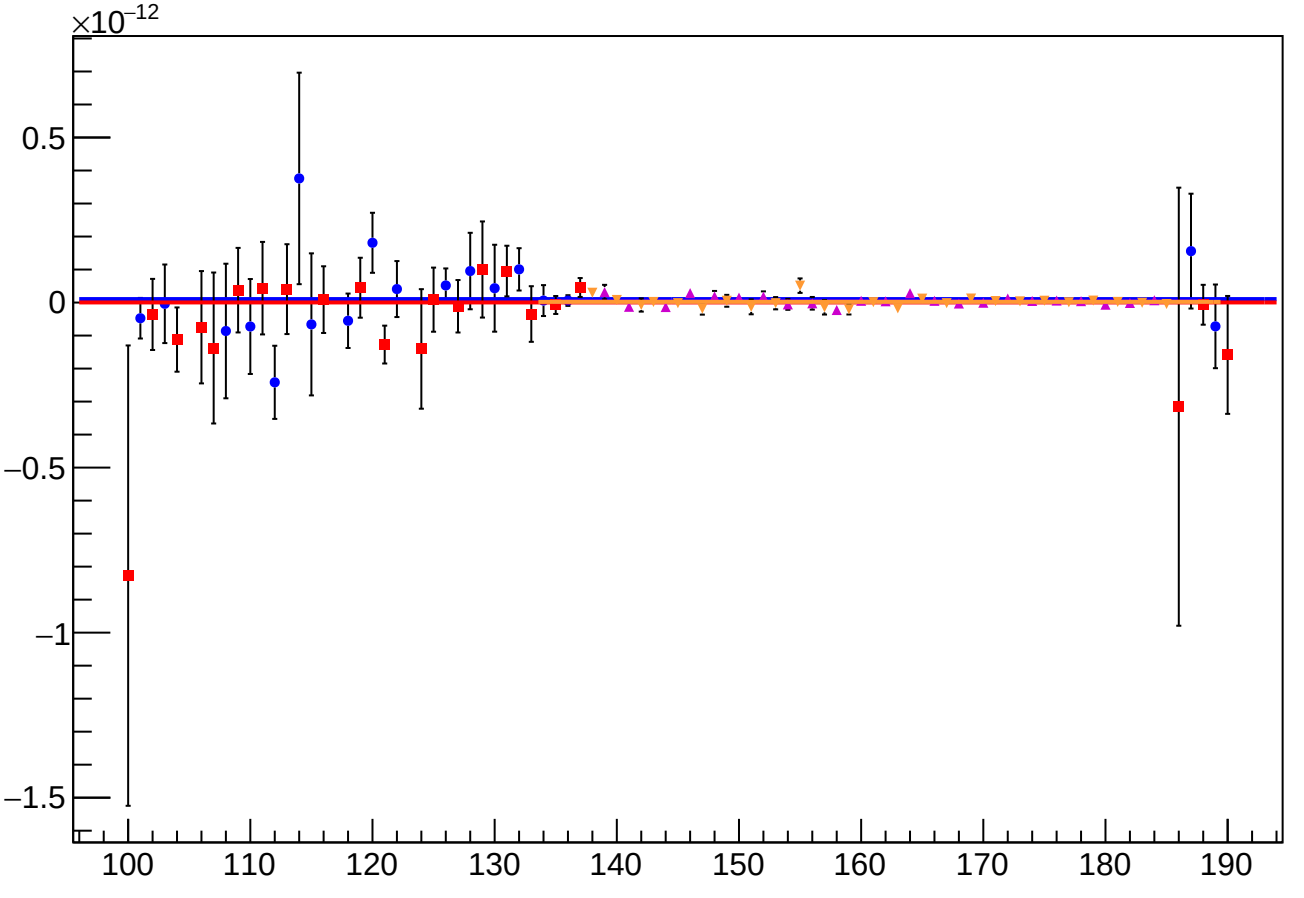
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 58.363+/-0.011 χ^2/NDF: 5550371.1/39

In: 55.382+/-0.008 χ^2/NDF:3605189.3/40

Out: 55.833+/-0.008 χ^2/NDF:5150340.0/46

All: 55.613+/-0.006 χ^2/NDF: 8757112.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/21

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

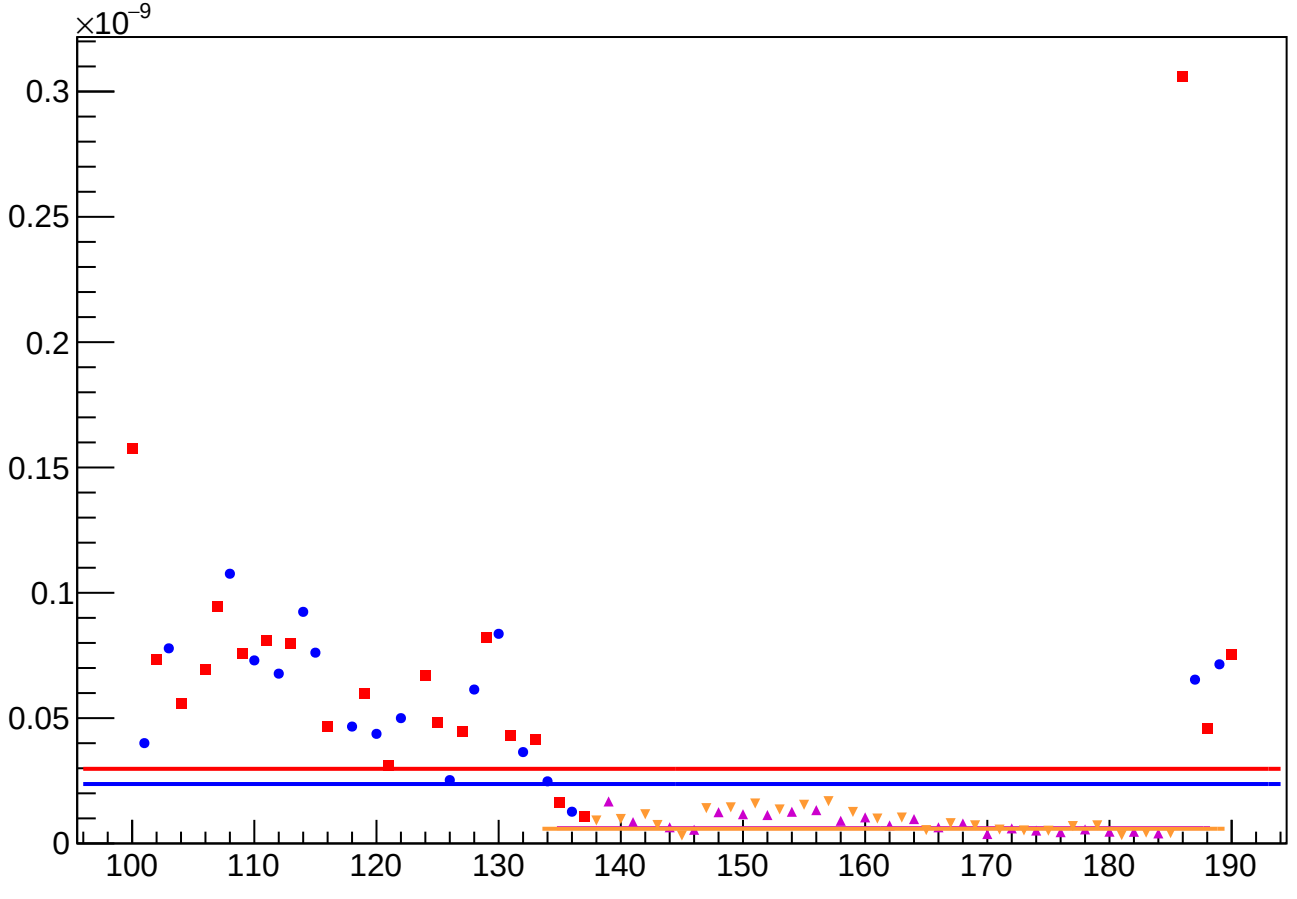
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 32.4/39

In: 0.000+/-0.000 χ^2/NDF:50.2/40

Out: 0.000+/-0.000 χ^2/NDF:36.0/46

All: 0.000+/-0.000 χ^2/NDF: 86.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 4136851.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4457444.1/21

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

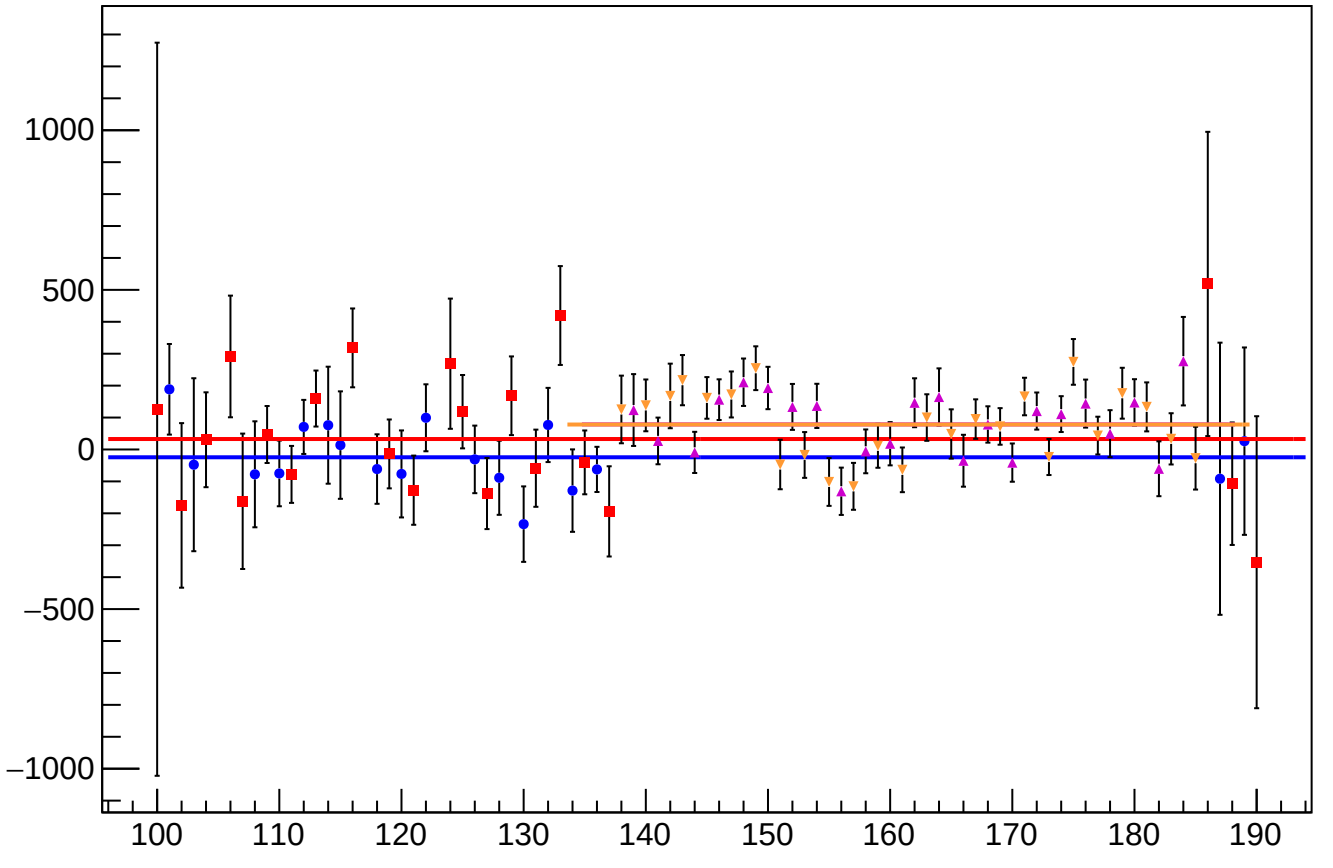
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8783277.1/39

In: 0.000+/-0.000 χ^2/NDF:11104579.4/40

Out: 0.000+/-0.000 χ^2/NDF:15030869.7/46

All: 0.000+/-0.000 χ^2/NDF: 26158540.4/87



Right In: -24.451+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.742+/-28.045 χ^2/NDF: 32.4/21

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

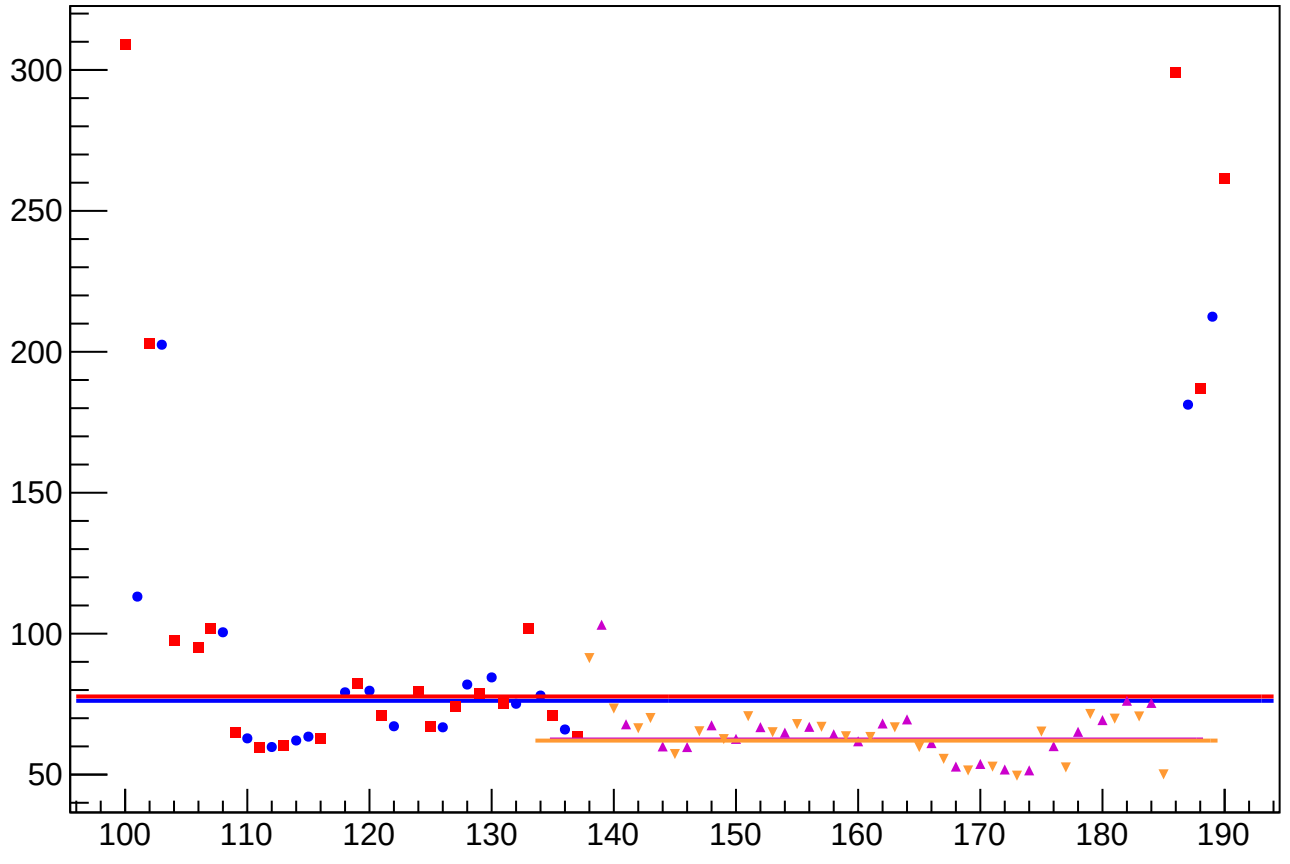
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: 4.813+/-20.061 χ^2/NDF: 45.5/39

In: 56.862+/-13.163 χ^2/NDF:57.9/40

Out: 68.760+/-12.758 χ^2/NDF:88.4/46

All: 62.997+/-9.161 χ^2/NDF: 146.7/87



Right In: 76.175+/-0.020 χ^2/NDF: 1388092.9/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 77.717+/-0.020 χ^2/NDF: 2371967.7/21

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

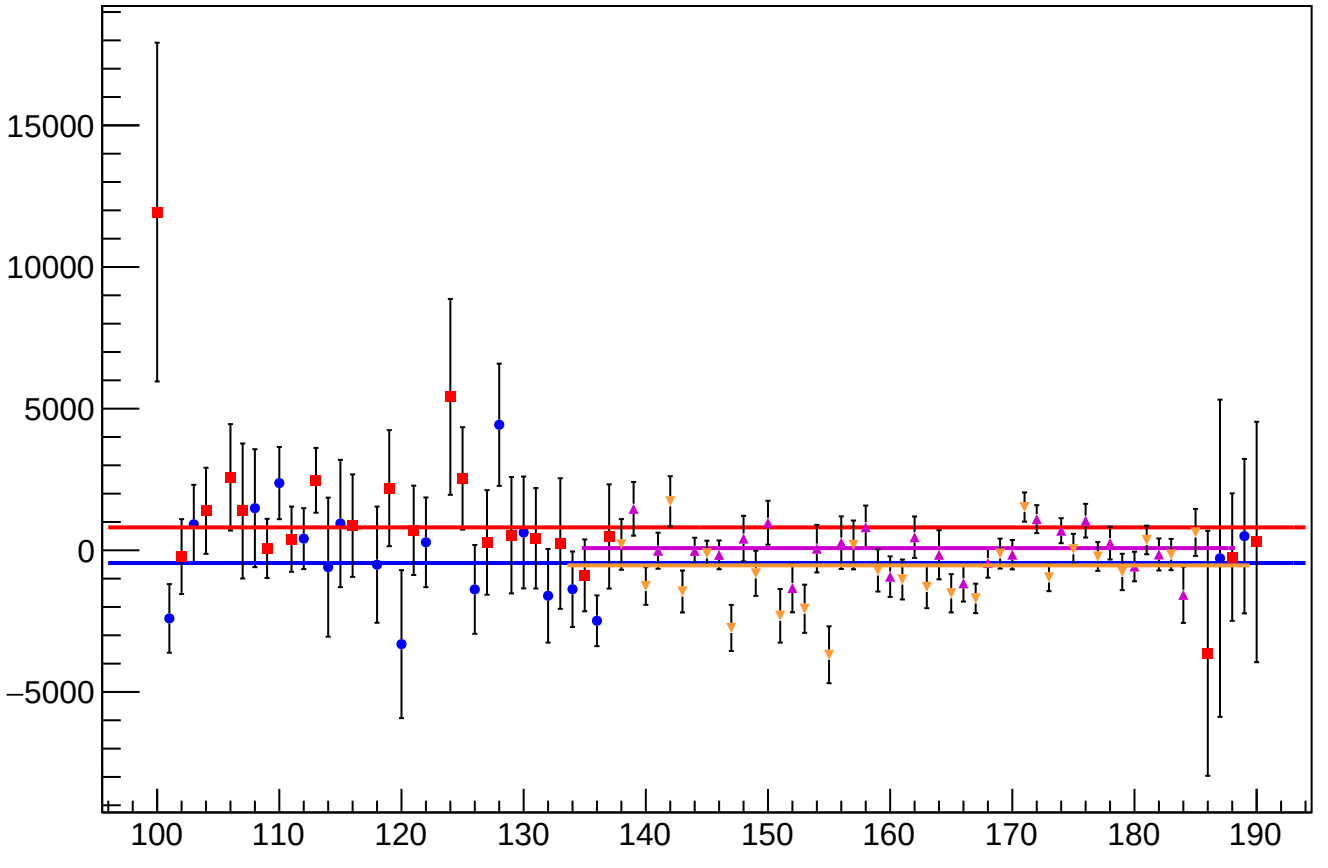
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 76.964+/-0.014 χ^2/NDF: 3763014.4/39

In: 65.331+/-0.009 χ^2/NDF:2414016.9/40

Out: 65.302+/-0.009 χ^2/NDF:3552708.8/46

All: 65.316+/-0.006 χ^2/NDF: 5966730.9/87



Right In: -447.820+/-370.715 χ^2/NDF: 23.8/17

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 809.691+/-364.576 χ^2/NDF: 14.4/21

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

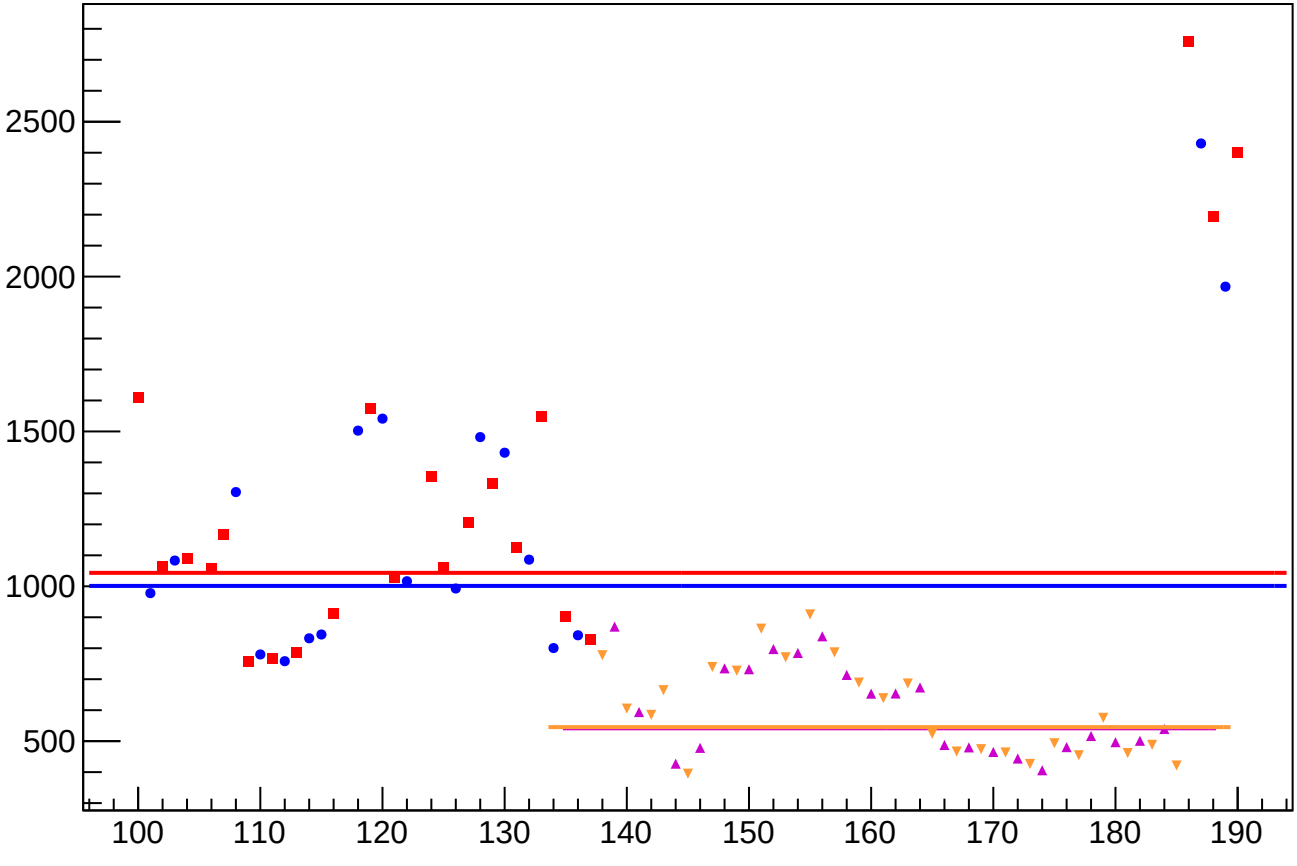
Right: 191.433+/-259.938 χ^2/NDF: 44.0/39

In: 19.629+/-122.942 χ^2/NDF:54.0/40

Out: -385.608+/-120.711 χ^2/NDF:95.6/46

All: -186.701+/-86.134 χ^2/NDF: 155.1/87

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1001.283+/-0.262 χ^2/NDF: 1126804.2/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1043.438+/-0.258 χ^2/NDF: 1802119.1/21

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

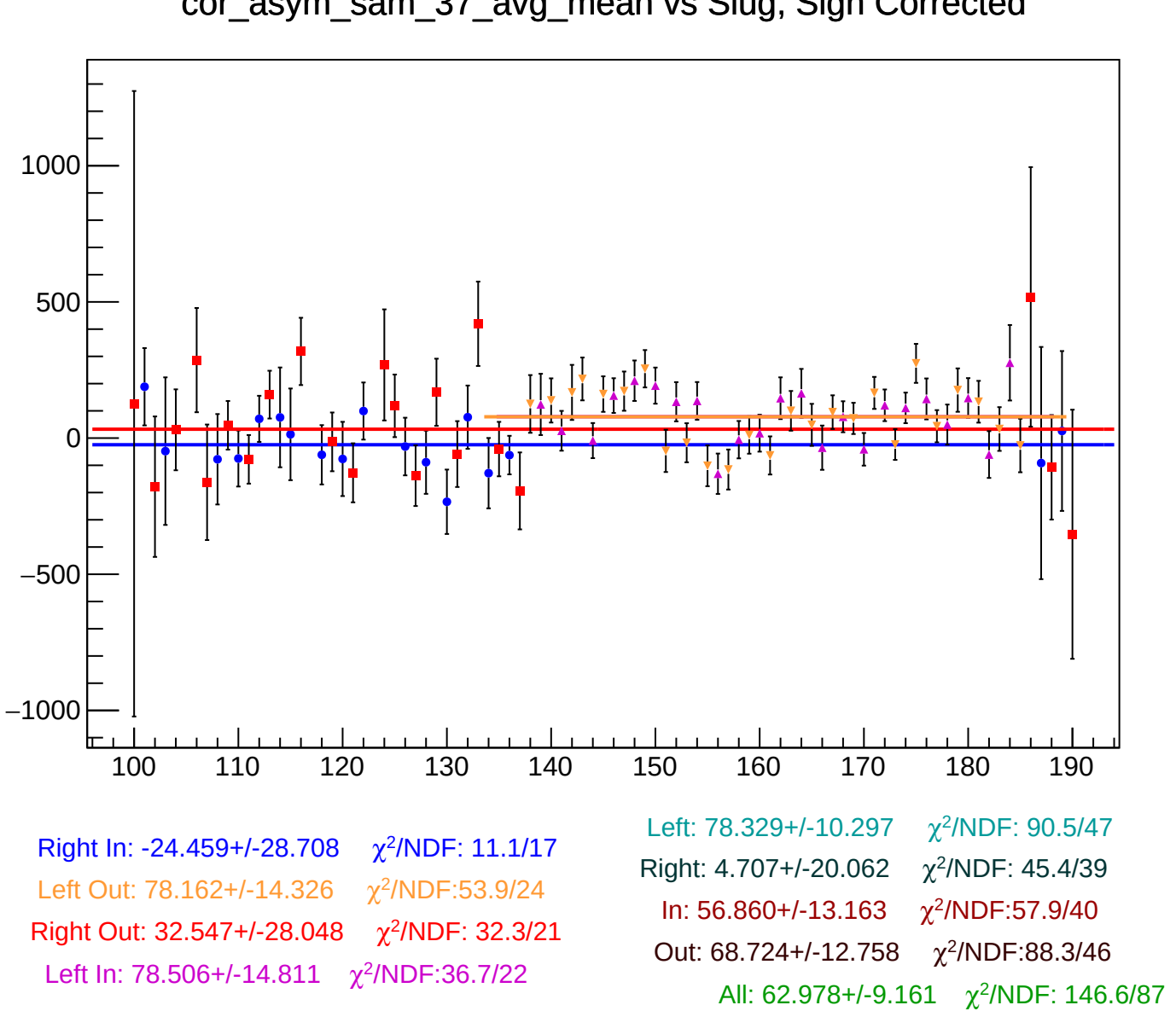
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

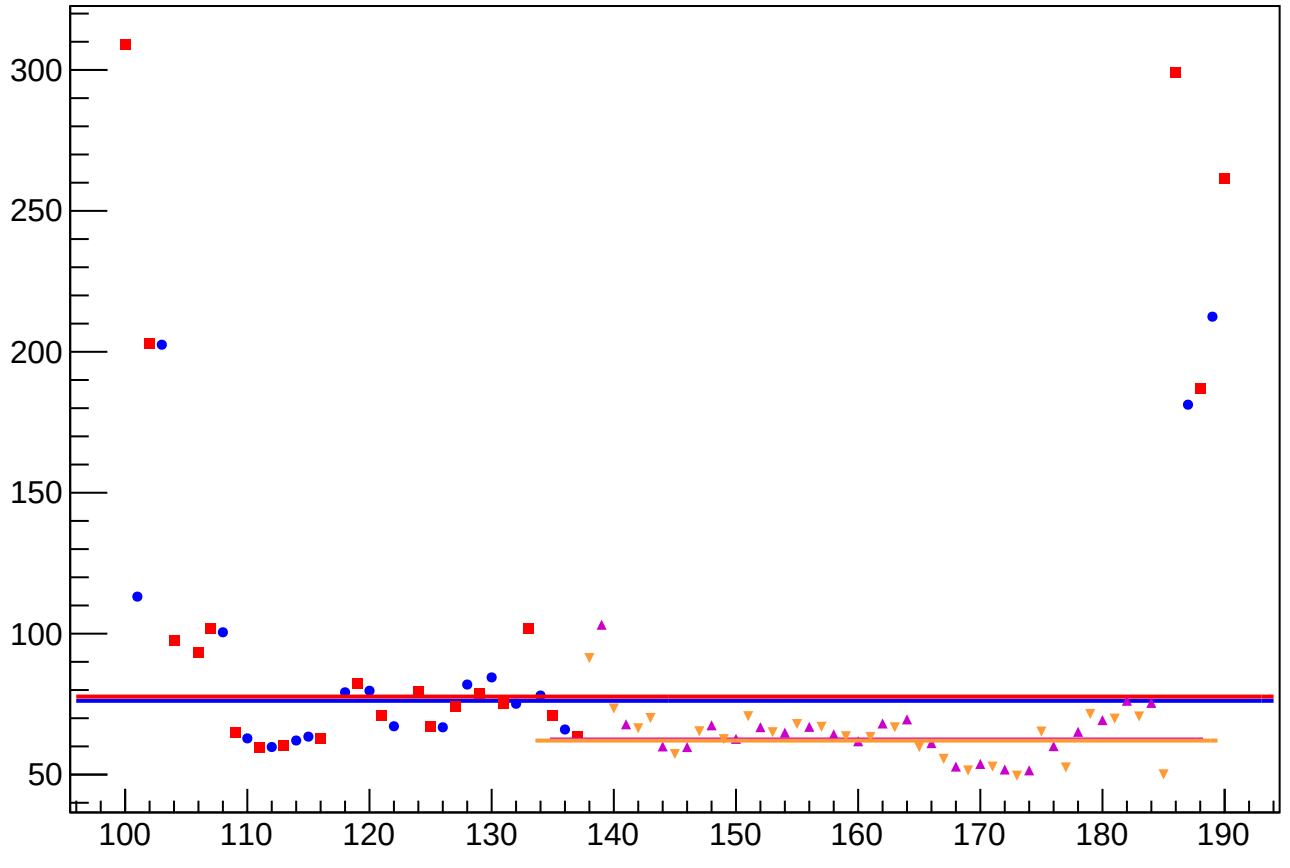
Right: 1022.712+/-0.184 χ^2/NDF: 2942069.3/39

In: 592.030+/-0.087 χ^2/NDF:5705787.5/40

Out: 599.913+/-0.085 χ^2/NDF:7210233.4/46

All: 596.044+/-0.061 χ^2/NDF: 12920207.0/87


cor_asym_sam_37_avg_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: -24.459+/-28.708 χ²/NDF: 11.1/17
Left Out: 78.162+/-14.326 χ²/NDF:53.9/24
Right Out: 32.547+/-28.048 χ²/NDF: 32.3/21
Left In: 78.506+/-14.811 χ²/NDF:36.7/22
Left: 78.329+/-10.297 χ²/NDF: 90.5/47
Right: 4.707+/-20.062 χ²/NDF: 45.4/39
In: 56.860+/-13.163 χ²/NDF:57.9/40
Out: 68.724+/-12.758 χ²/NDF:88.3/46
All: 62.978+/-9.161 χ²/NDF: 146.6/87



Right In: 76.175+/-0.020 χ^2/NDF: 1388095.0/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 77.677+/-0.020 χ^2/NDF: 2368982.1/21

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

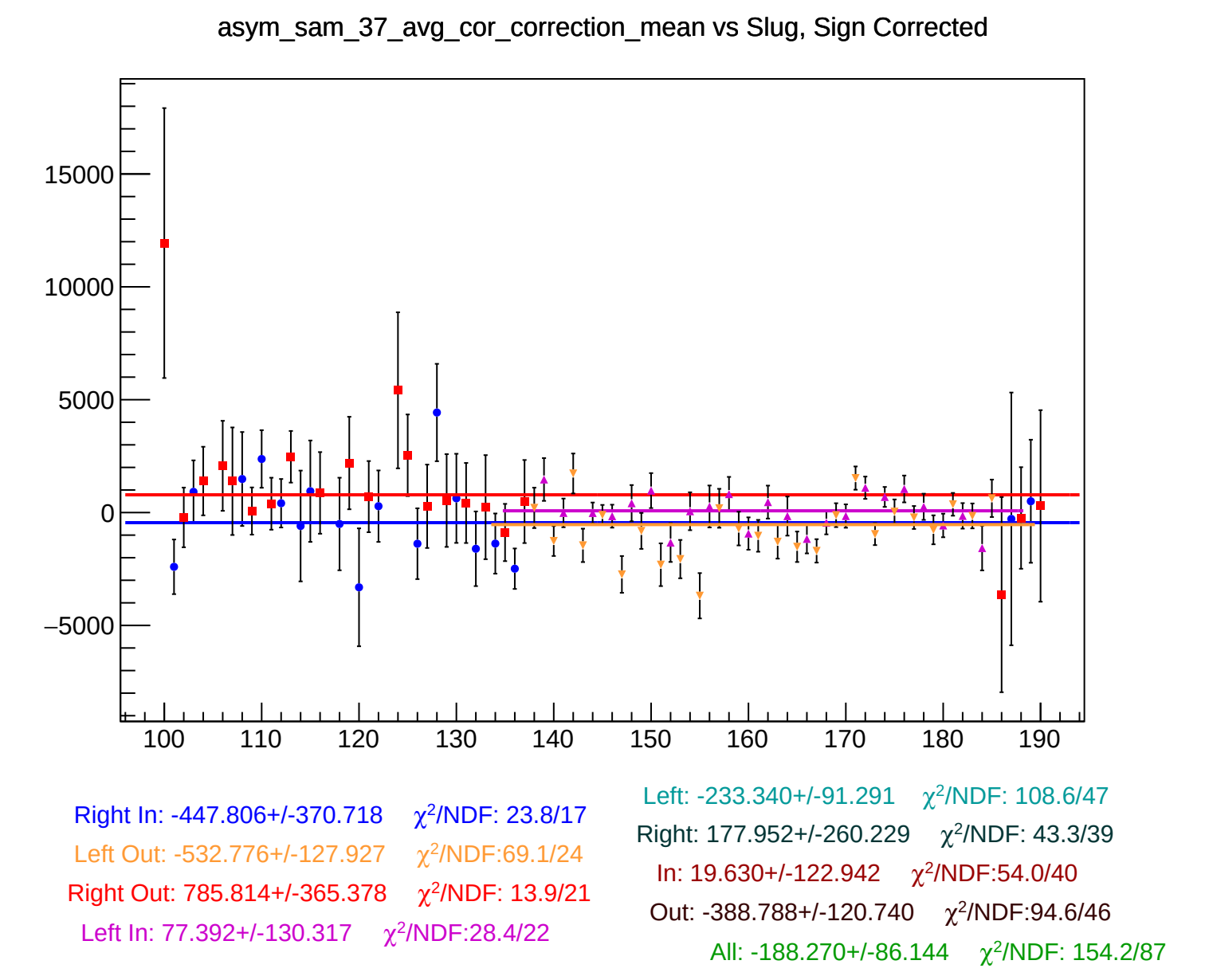
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

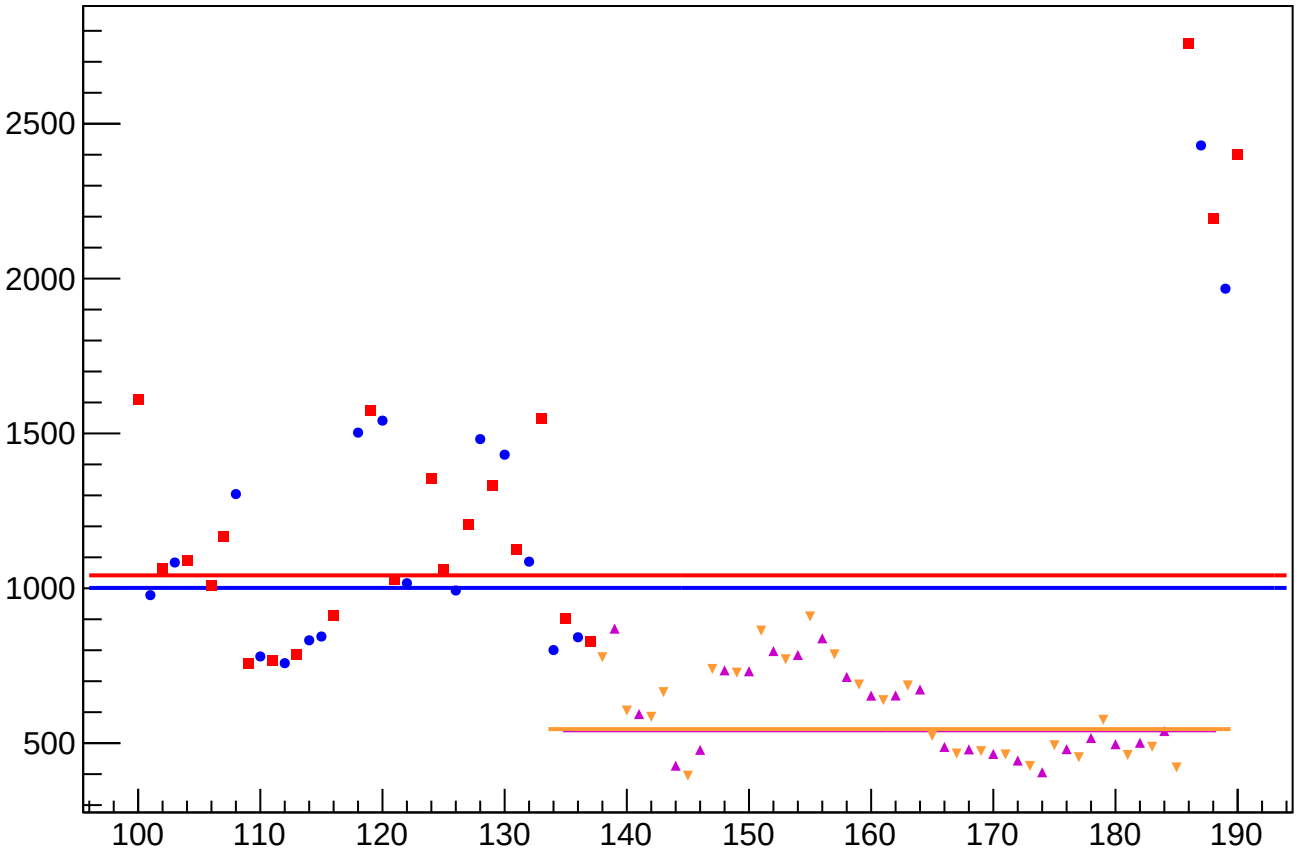
Right: 76.943+/-0.014 χ^2/NDF: 3759879.9/39

In: 65.331+/-0.009 χ^2/NDF:2414018.8/40

Out: 65.293+/-0.009 χ^2/NDF:3547130.6/46

All: 65.312+/-0.006 χ^2/NDF: 5961158.1/87


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -447.806+/-370.718 χ²/NDF: 23.8/17
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 785.814+/-365.378 χ²/NDF: 13.9/21
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 177.952+/-260.229 χ²/NDF: 43.3/39
In: 19.630+/-122.942 χ²/NDF:54.0/40
Out: -388.788+/-120.740 χ²/NDF:94.6/46
All: -188.270+/-86.144 χ²/NDF: 154.2/87



Right In: 1001.290+/-0.262 χ^2/NDF: 1126823.7/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1041.818+/-0.258 χ^2/NDF: 1802597.0/21

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

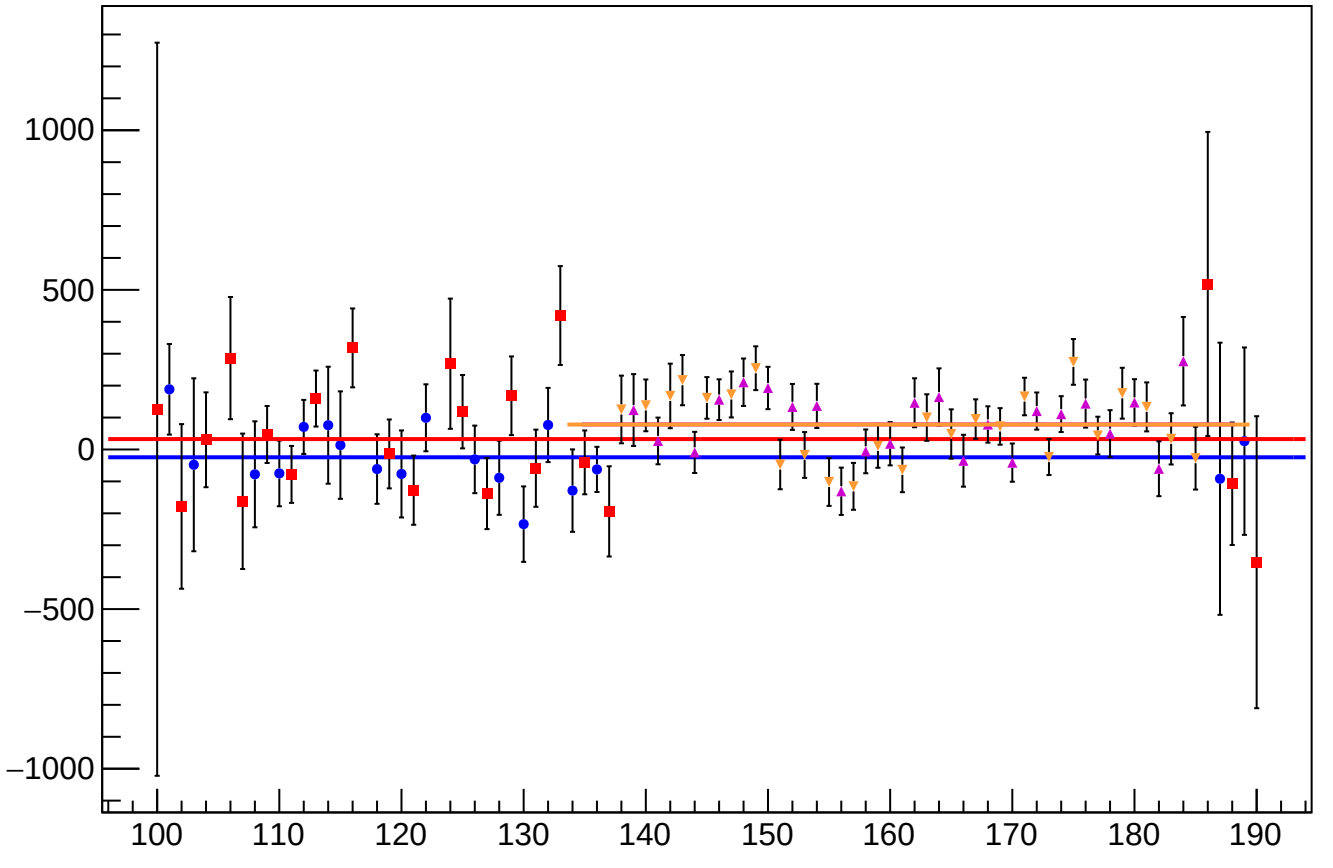
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1021.848+/-0.184 χ^2/NDF: 2941545.9/39

In: 592.030+/-0.087 χ^2/NDF:5705845.0/40

Out: 599.523+/-0.085 χ^2/NDF:7176228.0/46

All: 595.844+/-0.061 χ^2/NDF: 12885853.9/87



Right In: -24.459+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 32.547+/-28.048 χ^2/NDF: 32.3/21

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

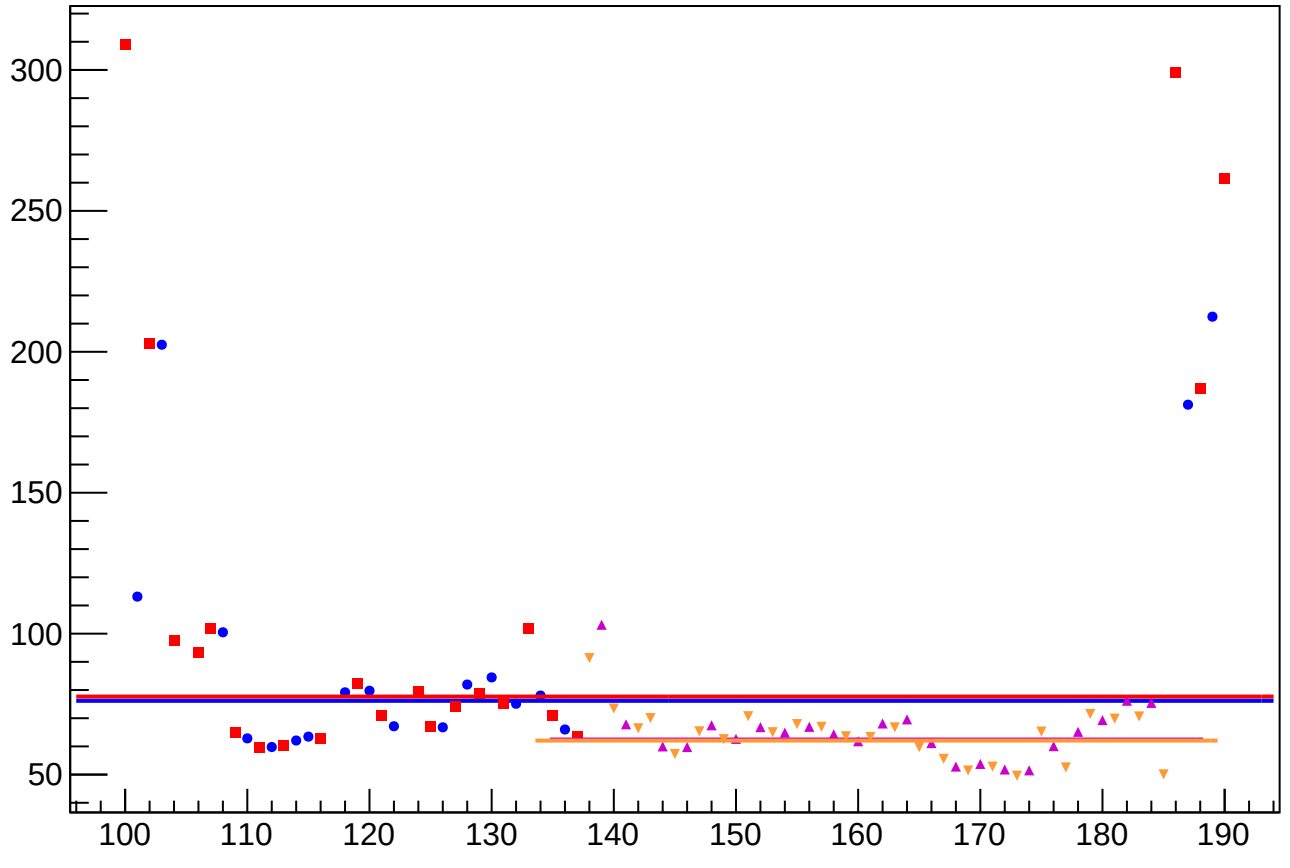
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 4.707+/-20.062 χ^2/NDF: 45.4/39

In: 56.860+/-13.163 χ^2/NDF:57.9/40

Out: 68.724+/-12.758 χ^2/NDF:88.3/46

All: 62.978+/-9.161 χ^2/NDF: 146.6/87



Right In: 76.175+/-0.020 χ^2/NDF: 1388095.0/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 77.677+/-0.020 χ^2/NDF: 2368982.1/21

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

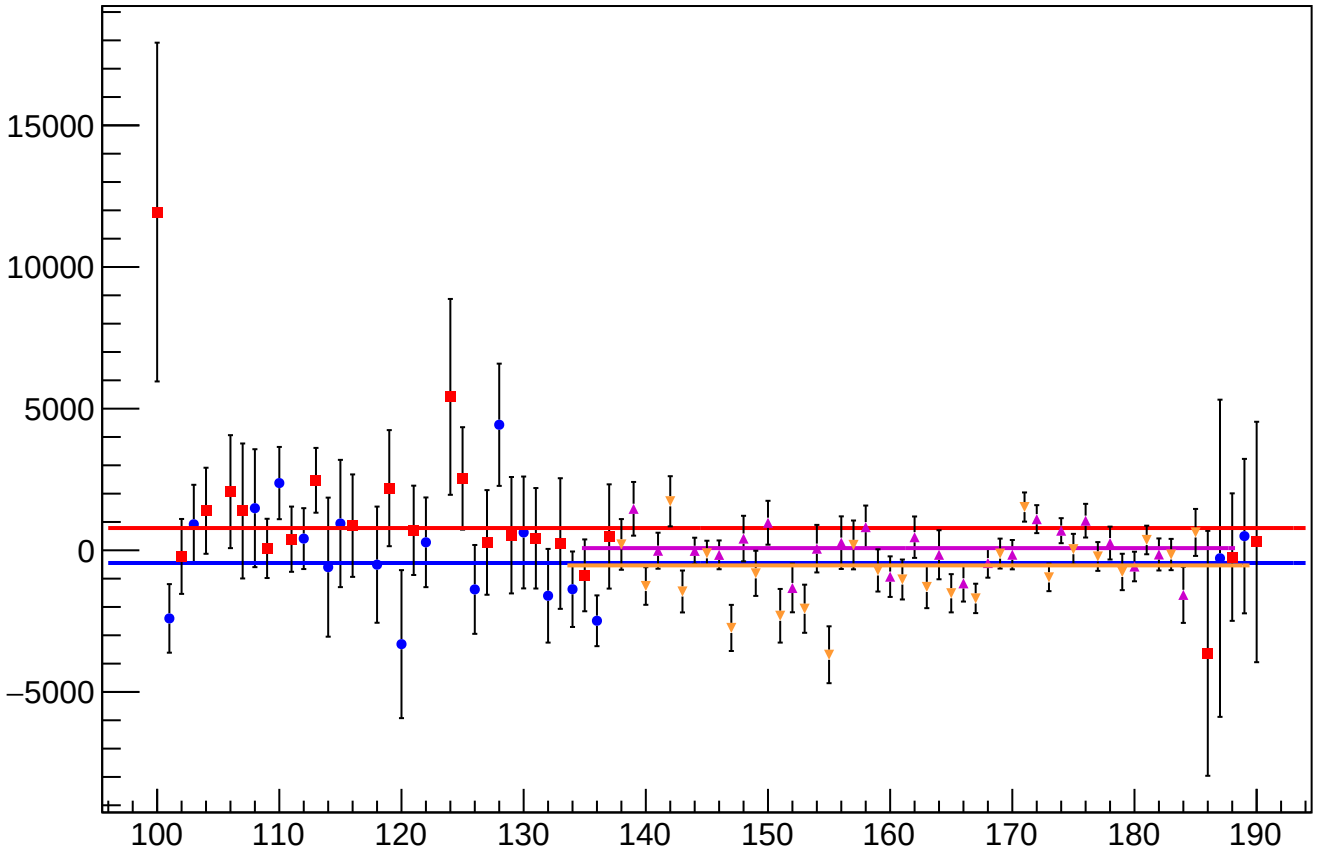
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 76.943+/-0.014 χ^2/NDF: 3759879.9/39

In: 65.331+/-0.009 χ^2/NDF:2414018.8/40

Out: 65.293+/-0.009 χ^2/NDF:3547130.6/46

All: 65.312+/-0.006 χ^2/NDF: 5961158.1/87



Right In: -447.806+/-370.718 χ^2/NDF: 23.8/17

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 785.814+/-365.378 χ^2/NDF: 13.9/21

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

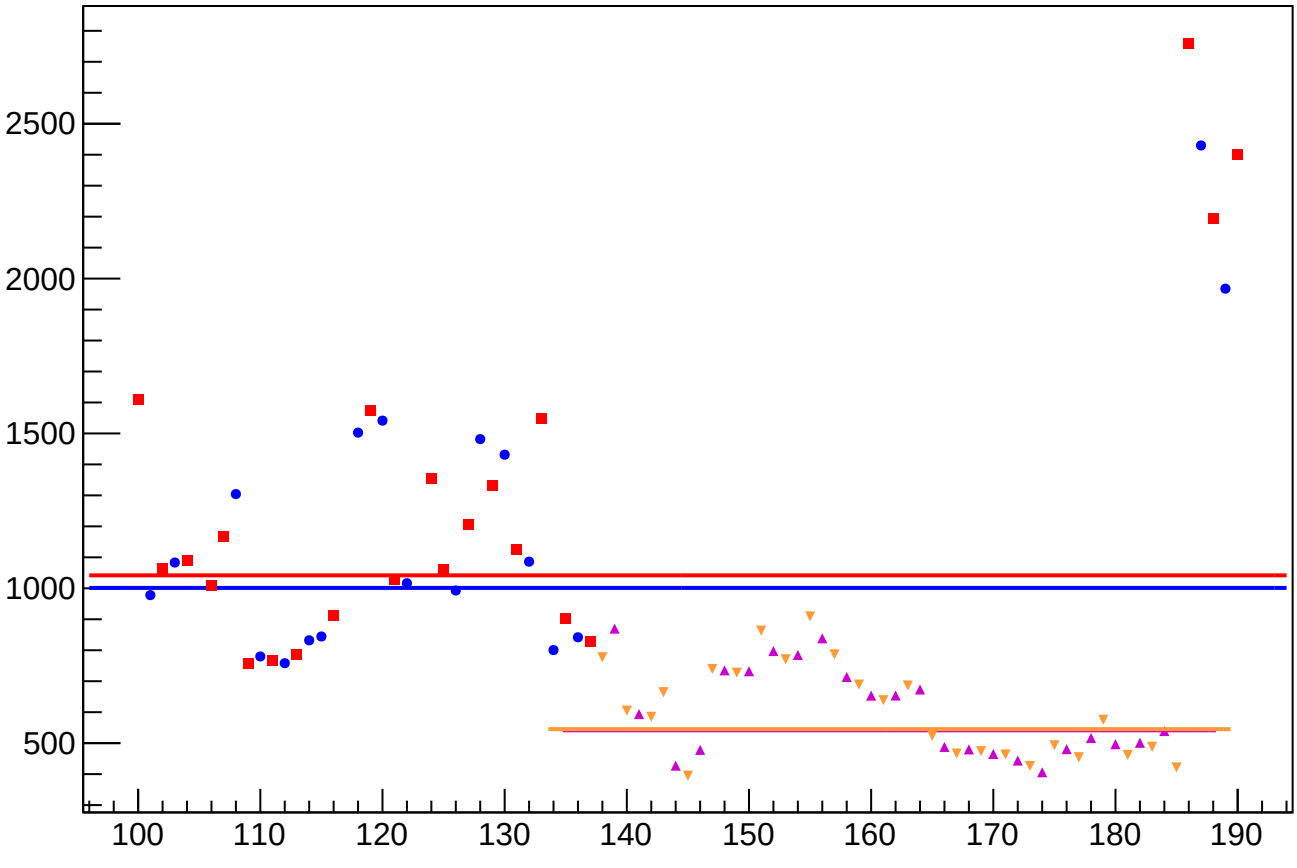
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 177.952+/-260.229 χ^2/NDF: 43.3/39

In: 19.630+/-122.942 χ^2/NDF:54.0/40

Out: -388.788+/-120.740 χ^2/NDF:94.6/46

All: -188.270+/-86.144 χ^2/NDF: 154.2/87



Right In: 1001.290+/-0.262 χ^2/NDF: 1126823.7/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1041.818+/-0.258 χ^2/NDF: 1802597.0/21

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

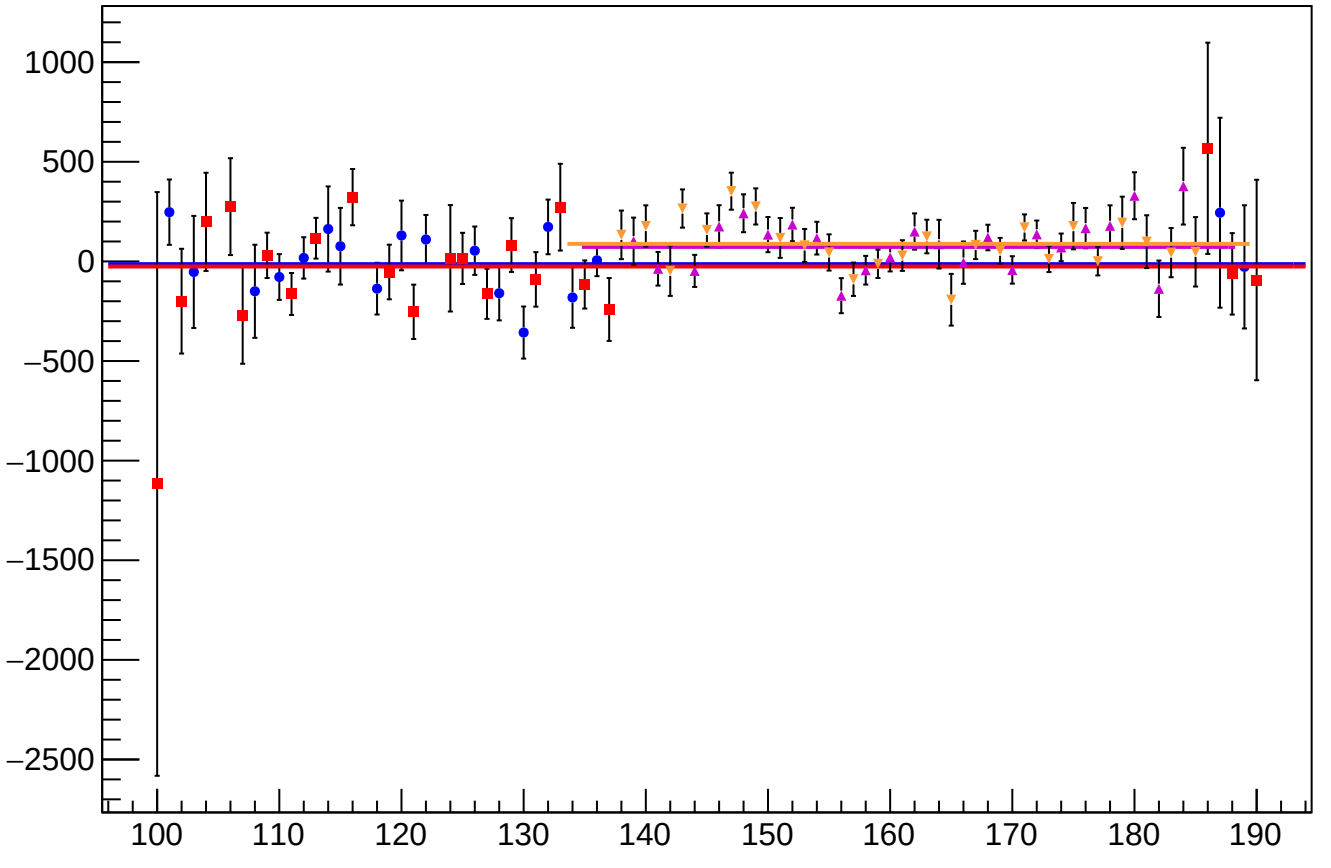
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1021.848+/-0.184 χ^2/NDF: 2941545.9/39

In: 592.030+/-0.087 χ^2/NDF:5705845.0/40

Out: 599.523+/-0.085 χ^2/NDF:7176228.0/46

All: 595.844+/-0.061 χ^2/NDF: 12885853.9/87



Right In: -13.820+/-33.478 χ^2/NDF: 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -25.541+/-33.468 χ^2/NDF: 24.9/21

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

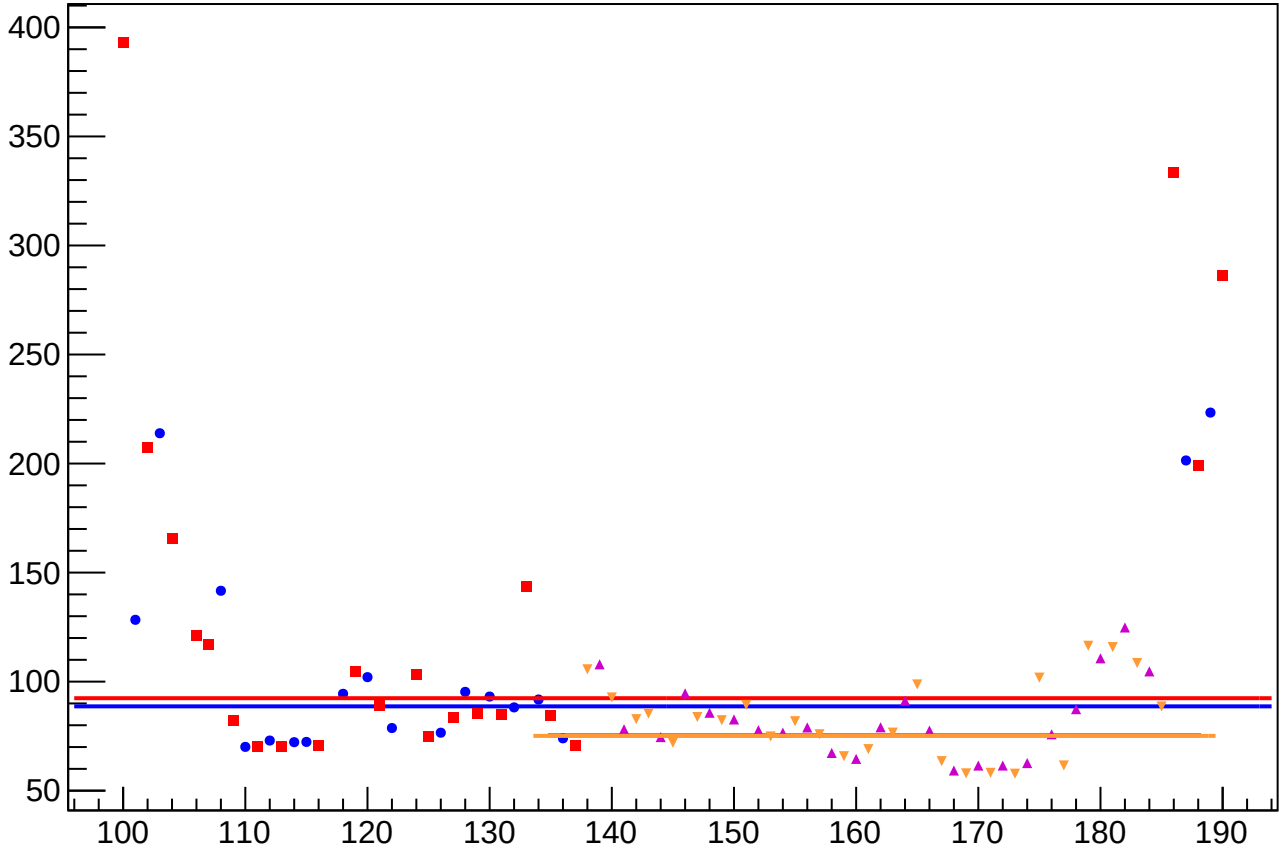
Right: -19.683+/-23.669 χ^2/NDF: 43.5/39

In: 52.951+/-16.041 χ^2/NDF:62.2/40

Out: 63.117+/-15.677 χ^2/NDF:70.8/46

All: 58.151+/-11.212 χ^2/NDF: 133.2/87

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 88.661+/-0.024 χ^2/NDF: 1356177.2/17

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 92.399+/-0.024 χ^2/NDF: 2423547.2/21

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

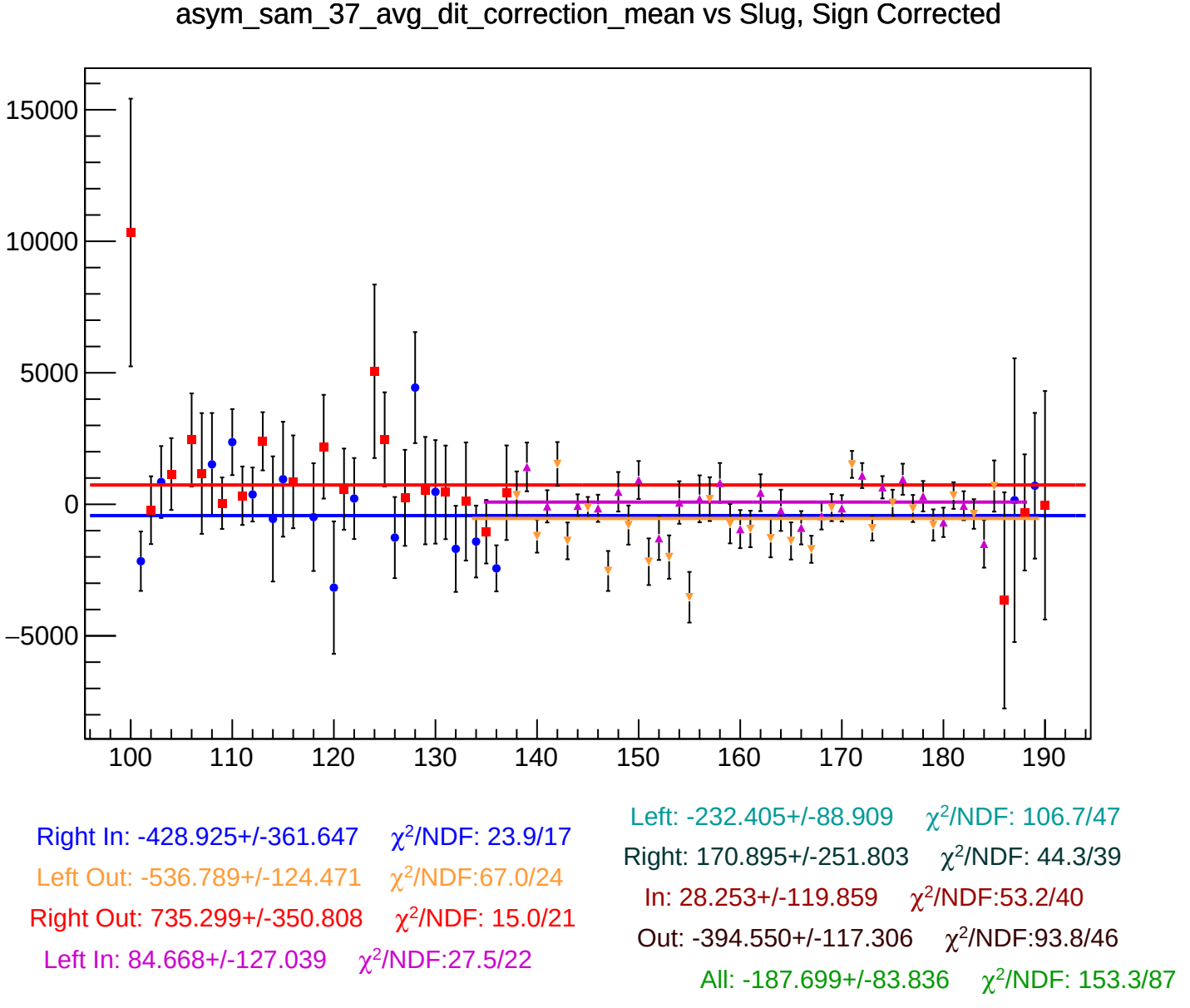
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

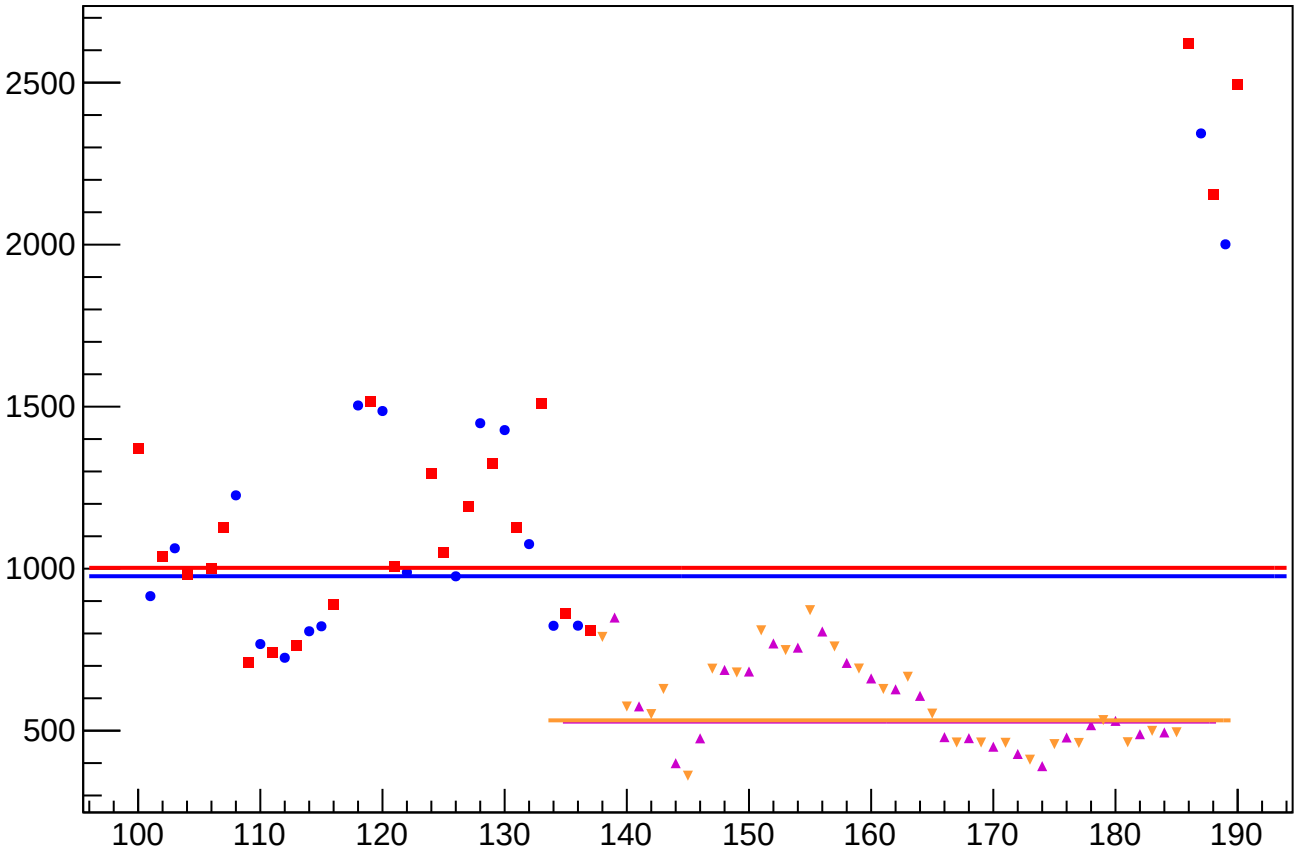
Right: 90.531+/-0.017 χ^2/NDF: 3792195.3/39

In: 78.416+/-0.011 χ^2/NDF:2824602.1/40

Out: 78.918+/-0.011 χ^2/NDF:4440757.2/46

All: 78.673+/-0.008 χ^2/NDF: 7266359.8/87


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -428.925+/-361.647 χ²/NDF: 23.9/17
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 735.299+/-350.808 χ²/NDF: 15.0/21
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 170.895+/-251.803 χ²/NDF: 44.3/39
In: 28.253+/-119.859 χ²/NDF:53.2/40
Out: -394.550+/-117.306 χ²/NDF:93.8/46
All: -187.699+/-83.836 χ²/NDF: 153.3/87



Right In: 976.669+/-0.256 χ^2/NDF: 1156850.9/17

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1002.560+/-0.248 χ^2/NDF: 1885634.4/21

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

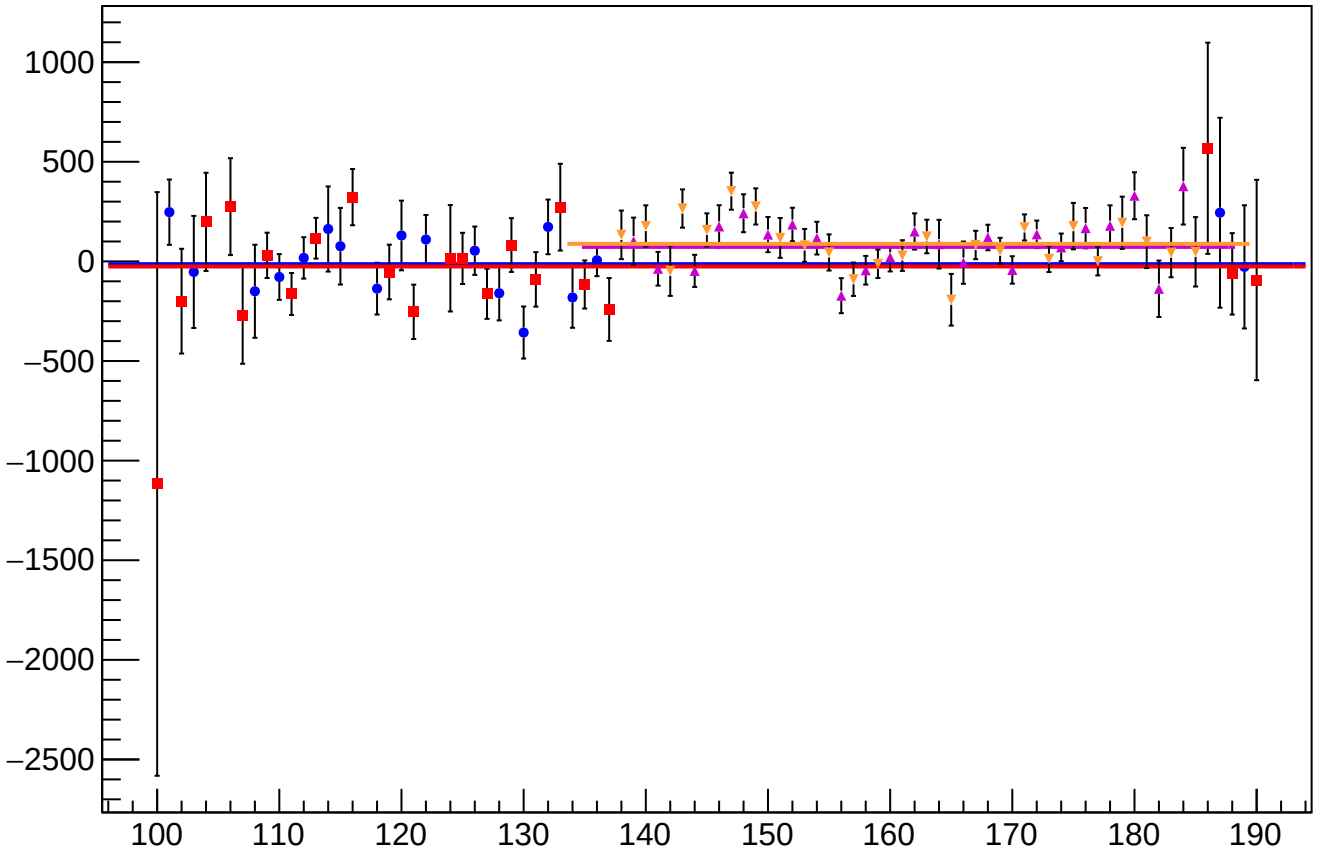
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 990.008+/-0.178 χ^2/NDF: 3047766.3/39

In: 577.271+/-0.085 χ^2/NDF:5697665.9/40

Out: 584.503+/-0.083 χ^2/NDF:7121245.0/46

All: 580.964+/-0.059 χ^2/NDF: 12822629.8/87



Right In: -13.821+/-33.479 χ^2/NDF: 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -25.544+/-33.468 χ^2/NDF: 24.9/21

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

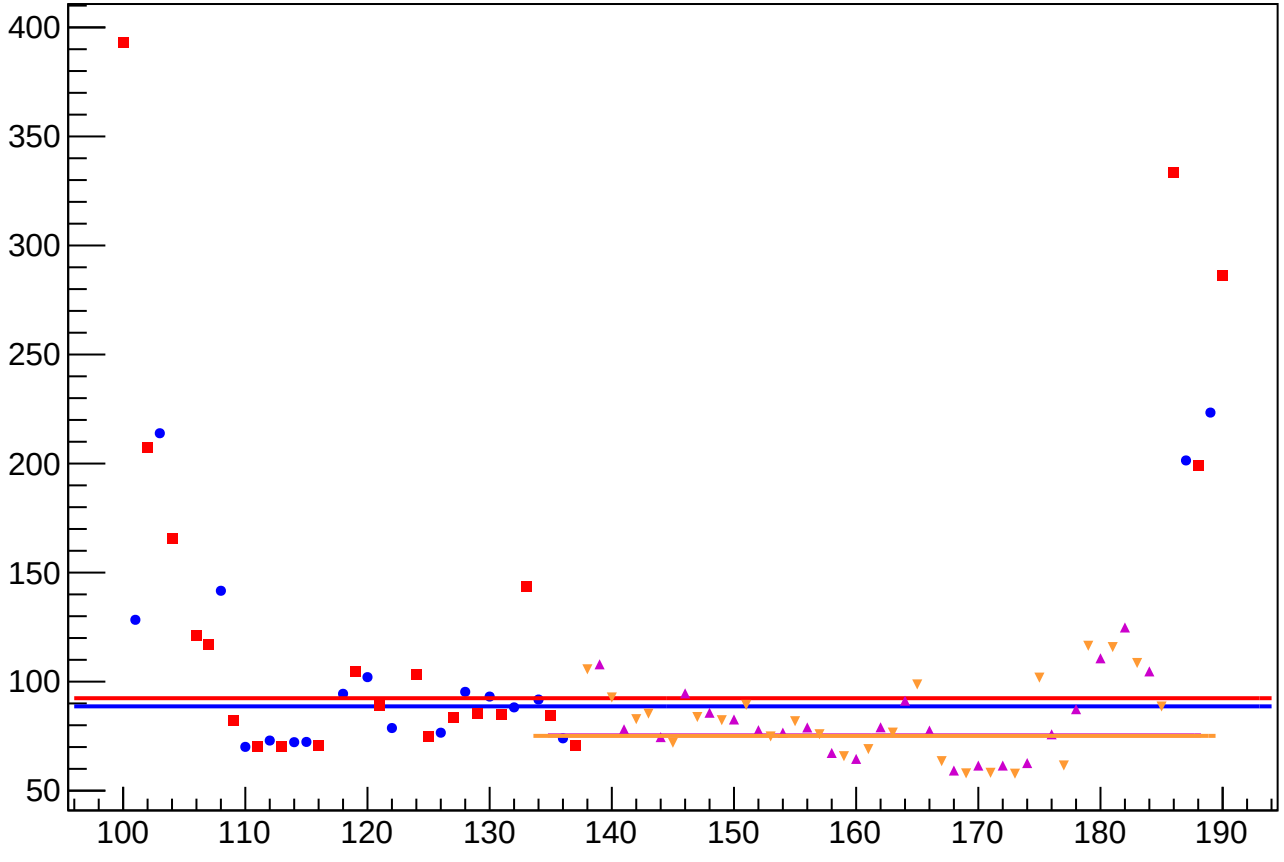
Right: -19.684+/-23.669 χ^2/NDF: 43.5/39

In: 52.950+/-16.041 χ^2/NDF:62.2/40

Out: 63.117+/-15.677 χ^2/NDF:70.8/46

All: 58.150+/-11.212 χ^2/NDF: 133.2/87

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 88.661+/-0.024 χ^2/NDF: 1356168.5/17

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 92.400+/-0.024 χ^2/NDF: 2423544.6/21

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

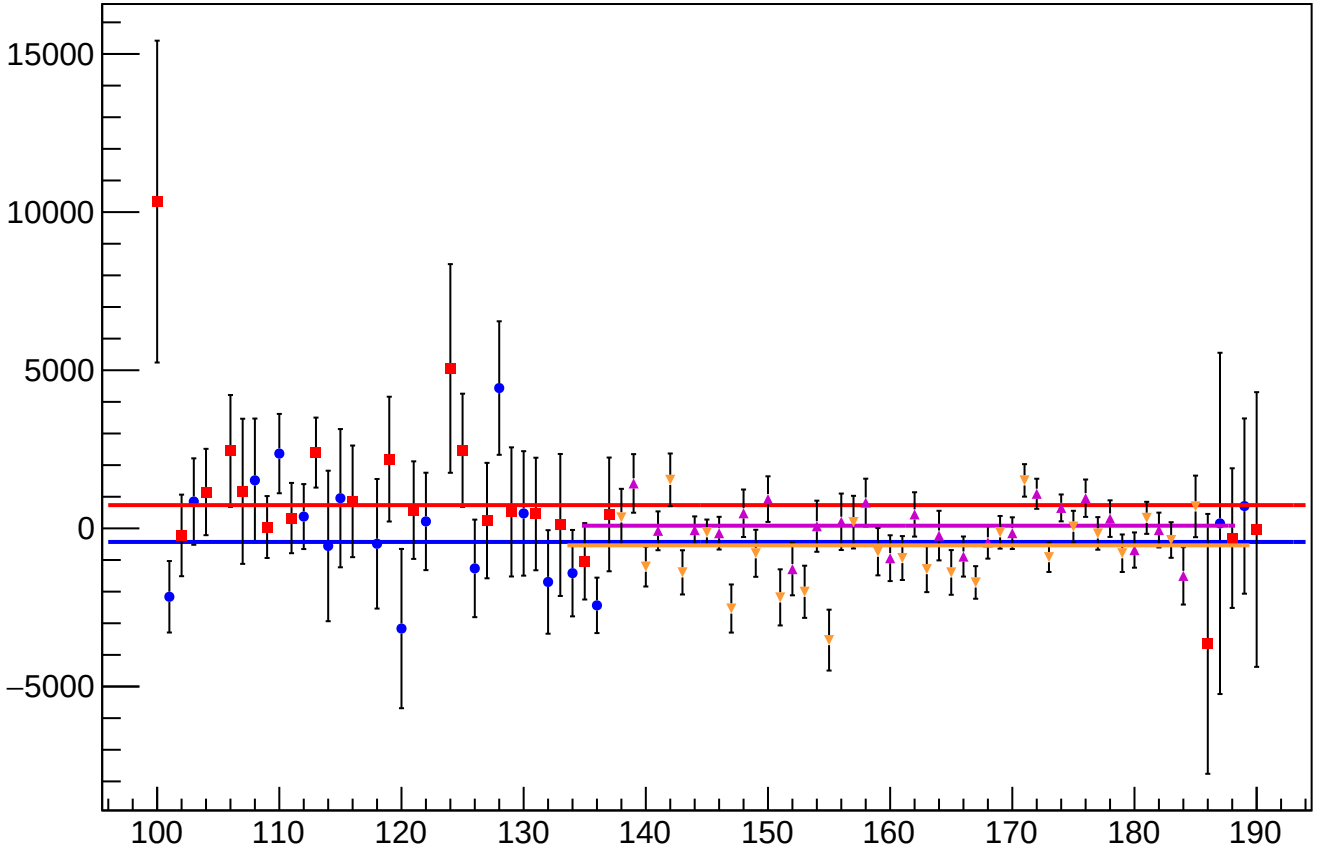
Right: 90.531+/-0.017 χ^2/NDF: 3792184.5/39

In: 78.416+/-0.011 χ^2/NDF:2824598.0/40

Out: 78.918+/-0.011 χ^2/NDF:4440762.6/46

All: 78.673+/-0.008 χ^2/NDF: 7266361.3/87

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -428.923+/-361.646 χ^2/NDF: 23.9/17

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 735.298+/-350.807 χ^2/NDF: 15.0/21

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

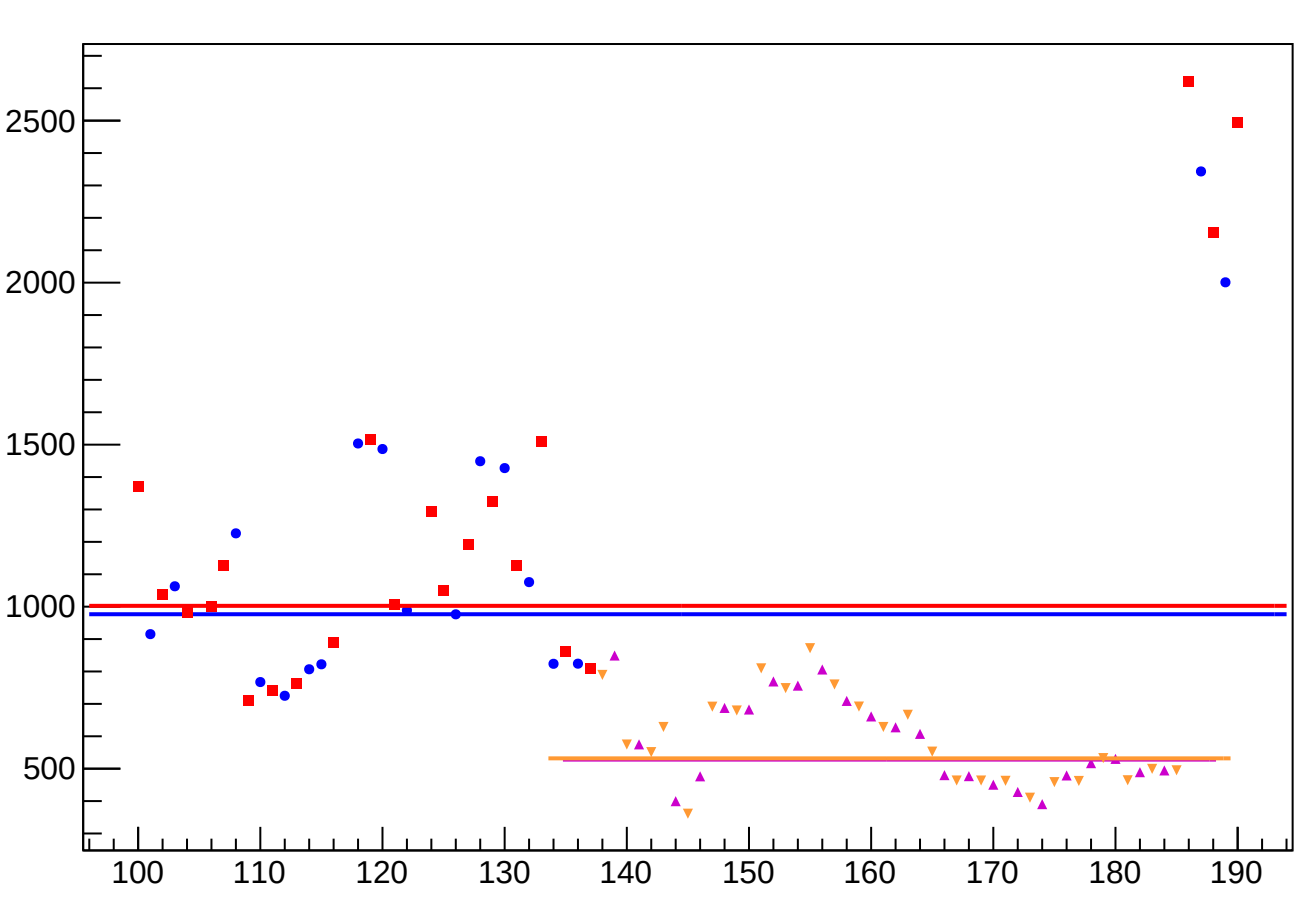
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 170.896+/-251.803 χ^2/NDF: 44.3/39

In: 28.253+/-119.859 χ^2/NDF:53.2/40

Out: -394.550+/-117.306 χ^2/NDF:93.8/46

All: -187.699+/-83.836 χ^2/NDF: 153.3/87



Right In: 976.667+/-0.256 χ^2/NDF: 1156854.5/17

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1002.558+/-0.248 χ^2/NDF: 1885635.2/21

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

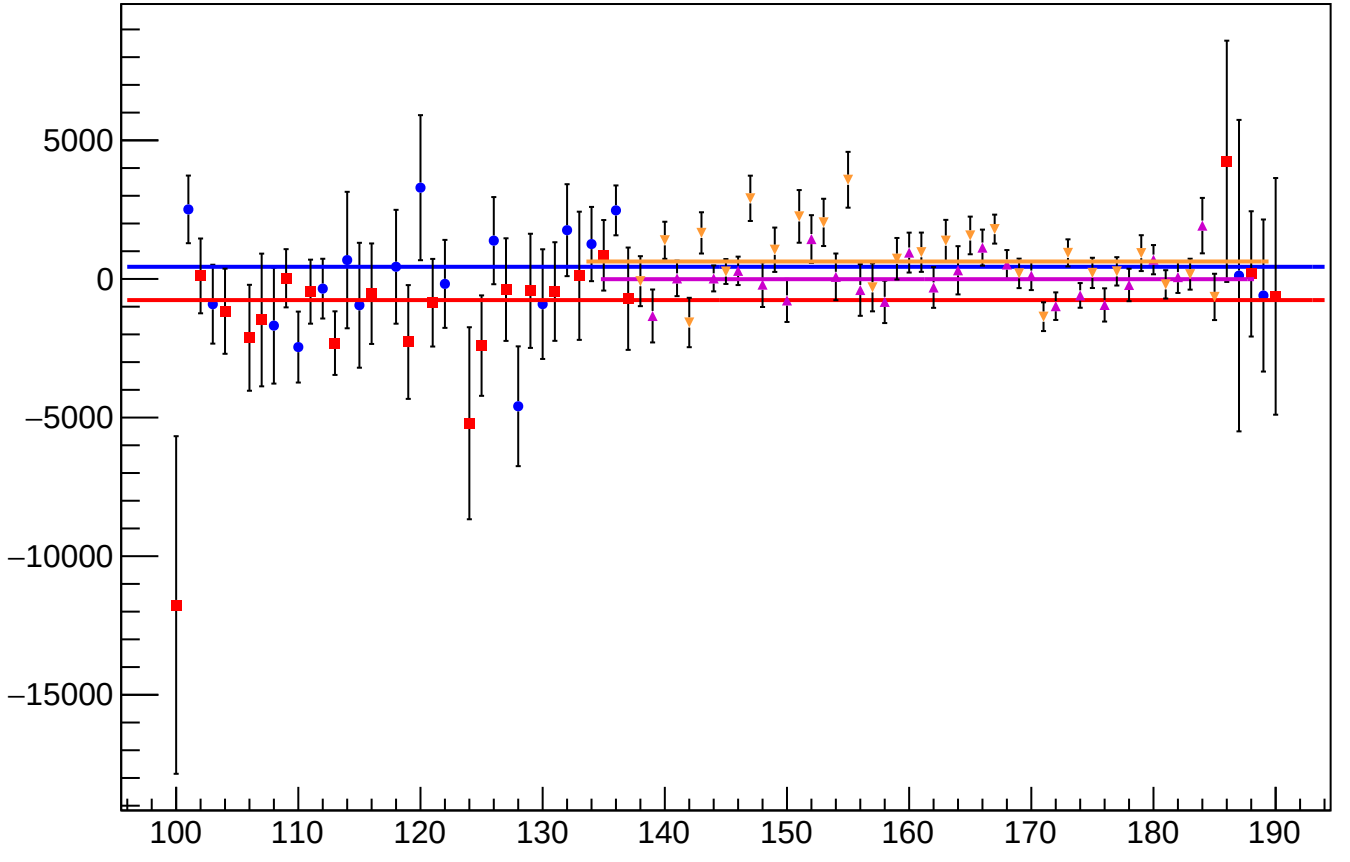
Right: 990.006+/-0.178 χ^2/NDF: 3047770.7/39

In: 577.270+/-0.085 χ^2/NDF:5697652.5/40

Out: 584.502+/-0.083 χ^2/NDF:7121229.7/46

All: 580.964+/-0.059 χ^2/NDF: 12822601.1/87

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 438.135+/-372.543 χ^2/NDF: 24.7/17

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -762.545+/-366.533 χ^2/NDF: 13.2/21

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

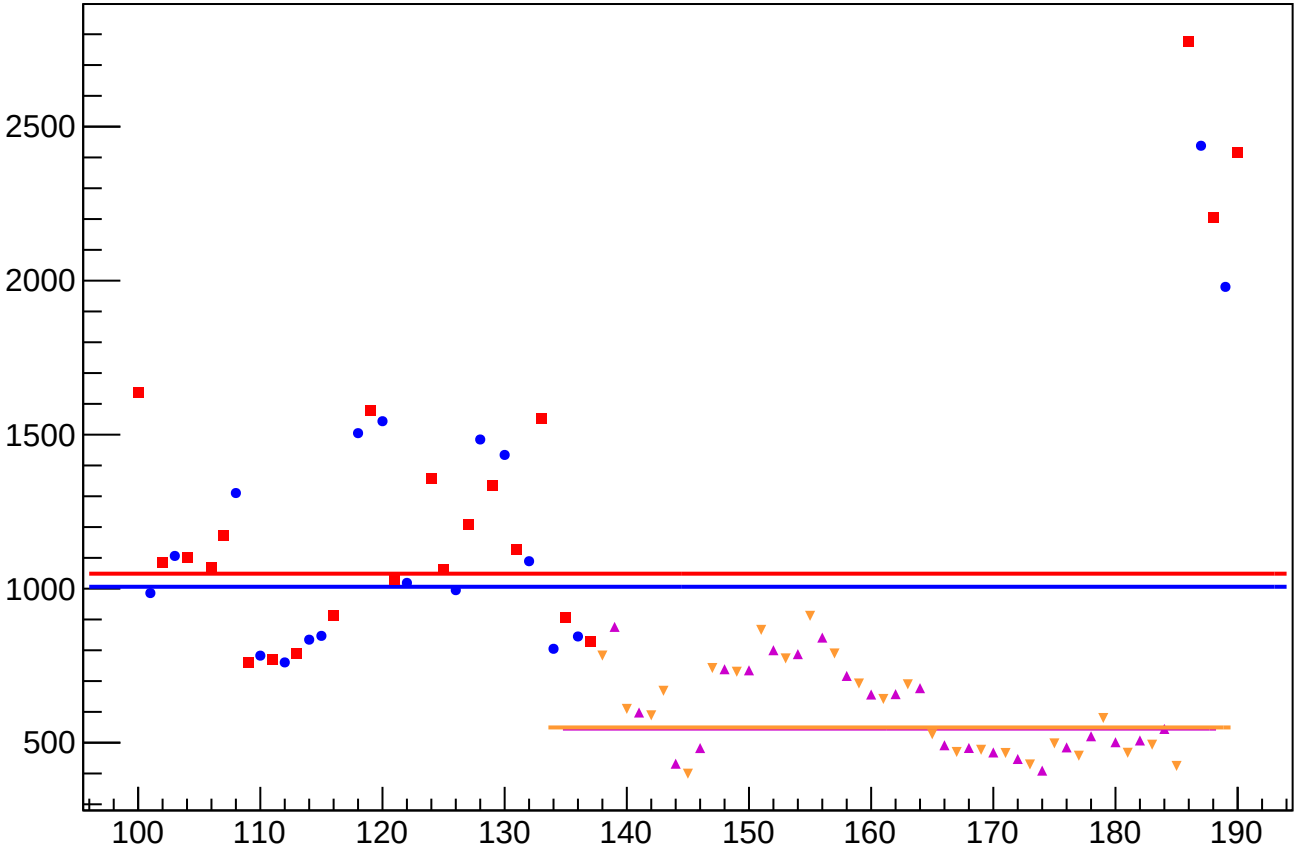
Right: -171.967+/-261.277 χ^2/NDF: 43.2/39

In: 40.877+/-123.825 χ^2/NDF:53.3/40

Out: 476.279+/-121.560 χ^2/NDF:90.9/46

All: 262.596+/-86.746 χ^2/NDF: 150.5/87

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1006.178+/-0.263 χ^2/NDF: 1128291.9/17

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1048.674+/-0.259 χ^2/NDF: 1806537.0/21

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

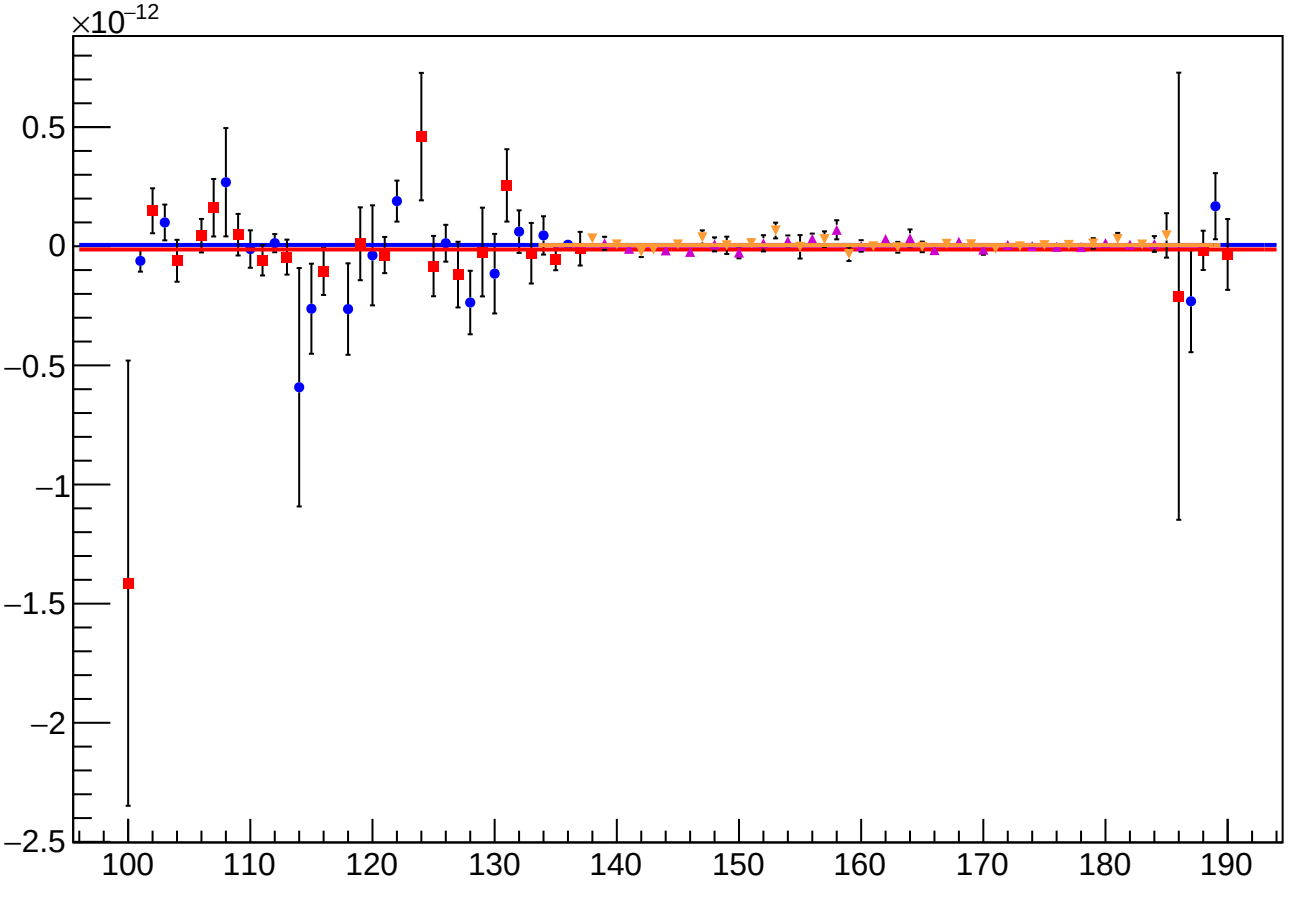
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1027.772+/-0.185 χ^2/NDF: 2948052.5/39

In: 596.578+/-0.088 χ^2/NDF:5660735.0/40

Out: 604.382+/-0.086 χ^2/NDF:7162203.8/46

All: 600.552+/-0.061 χ^2/NDF: 12826984.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/21

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

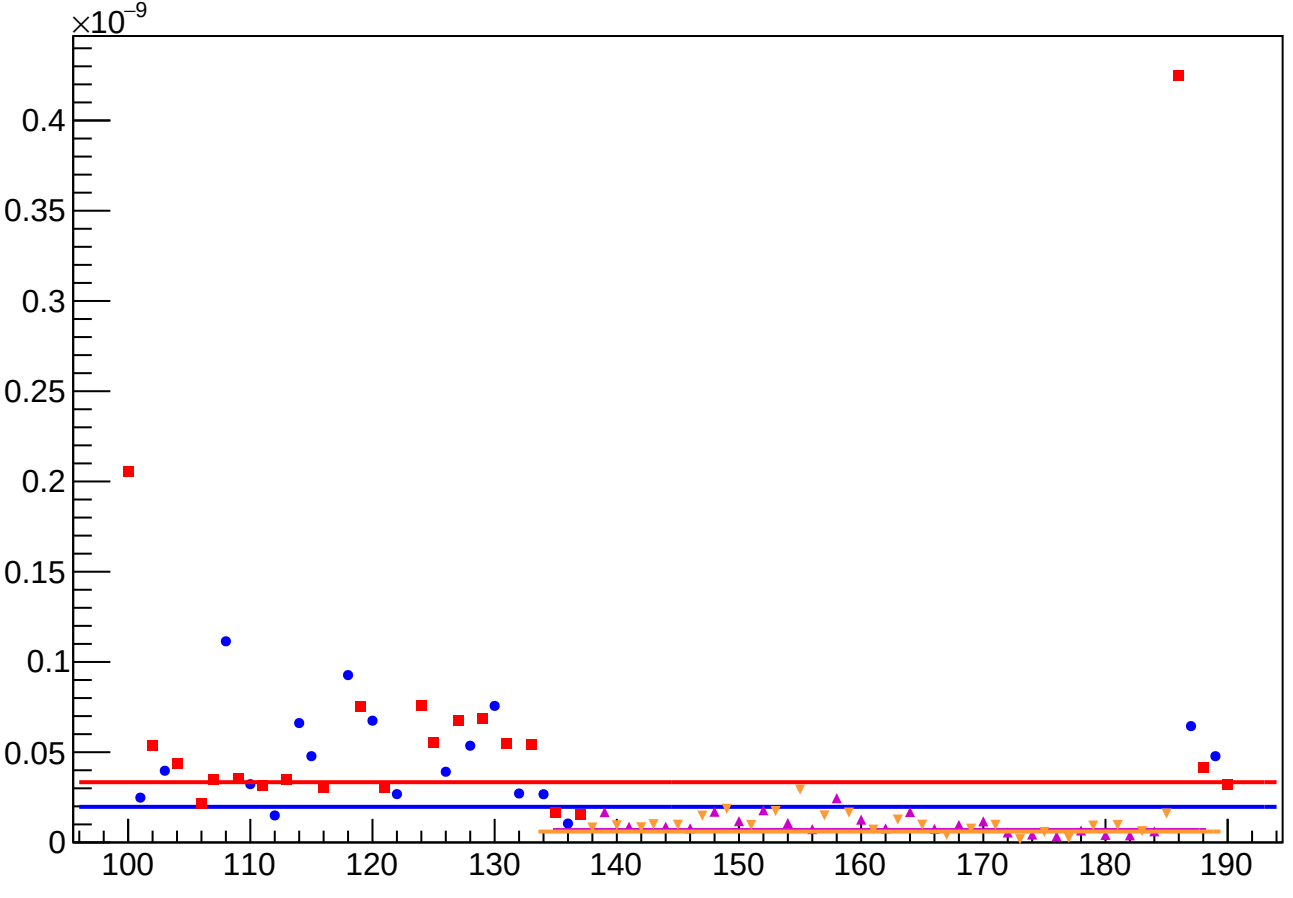
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.4/39

In: 0.000+/-0.000 χ^2/NDF:42.3/40

Out: 0.000+/-0.000 χ^2/NDF:35.0/46

All: 0.000+/-0.000 χ^2/NDF: 77.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 2149847.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1550759.7/21

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

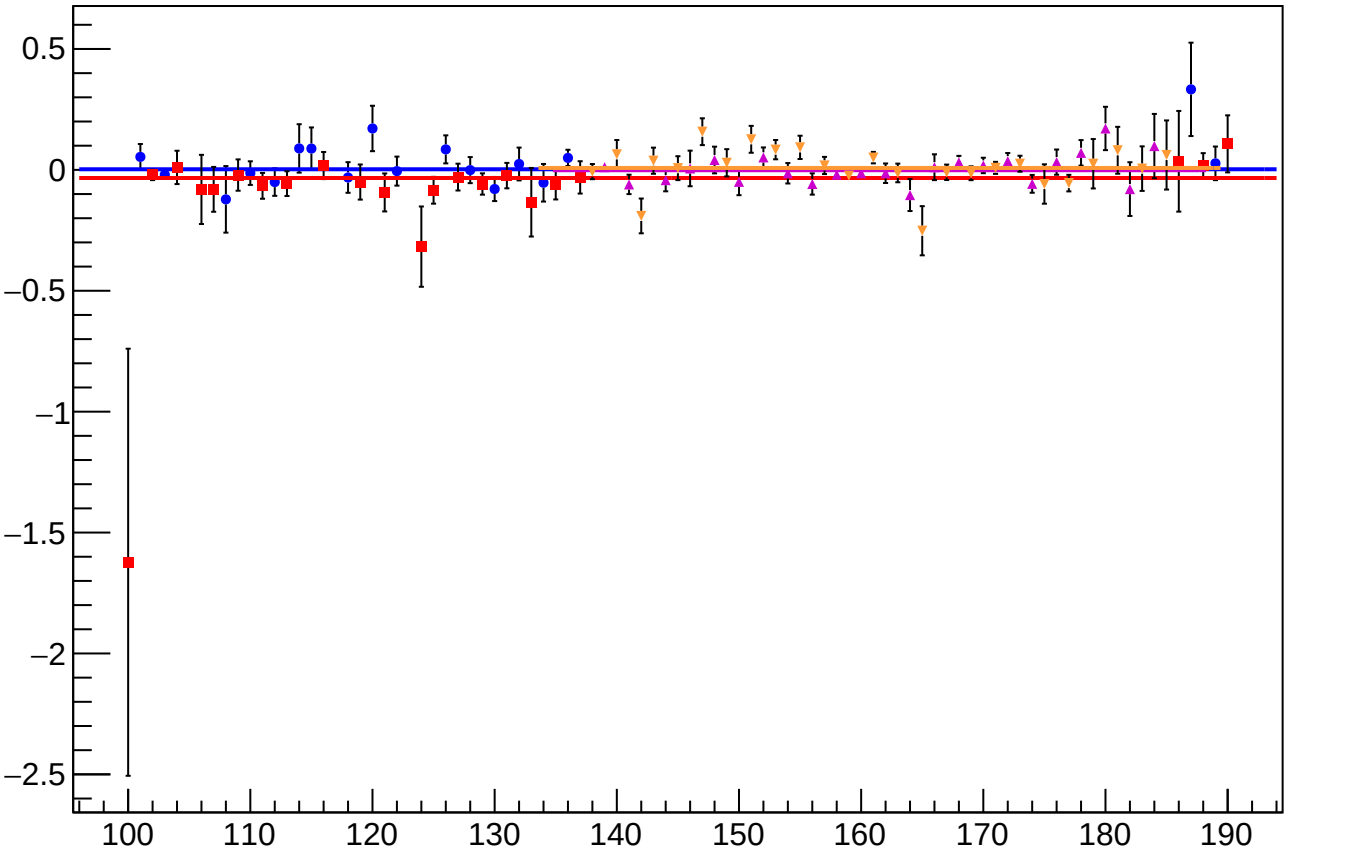
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4320040.1/39

In: 0.000+/-0.000 χ^2/NDF:6096242.4/40

Out: 0.000+/-0.000 χ^2/NDF:8855061.1/46

All: 0.000+/-0.000 χ^2/NDF: 15026078.9/87



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.034+/-0.012 χ^2/NDF: 13.9/21

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

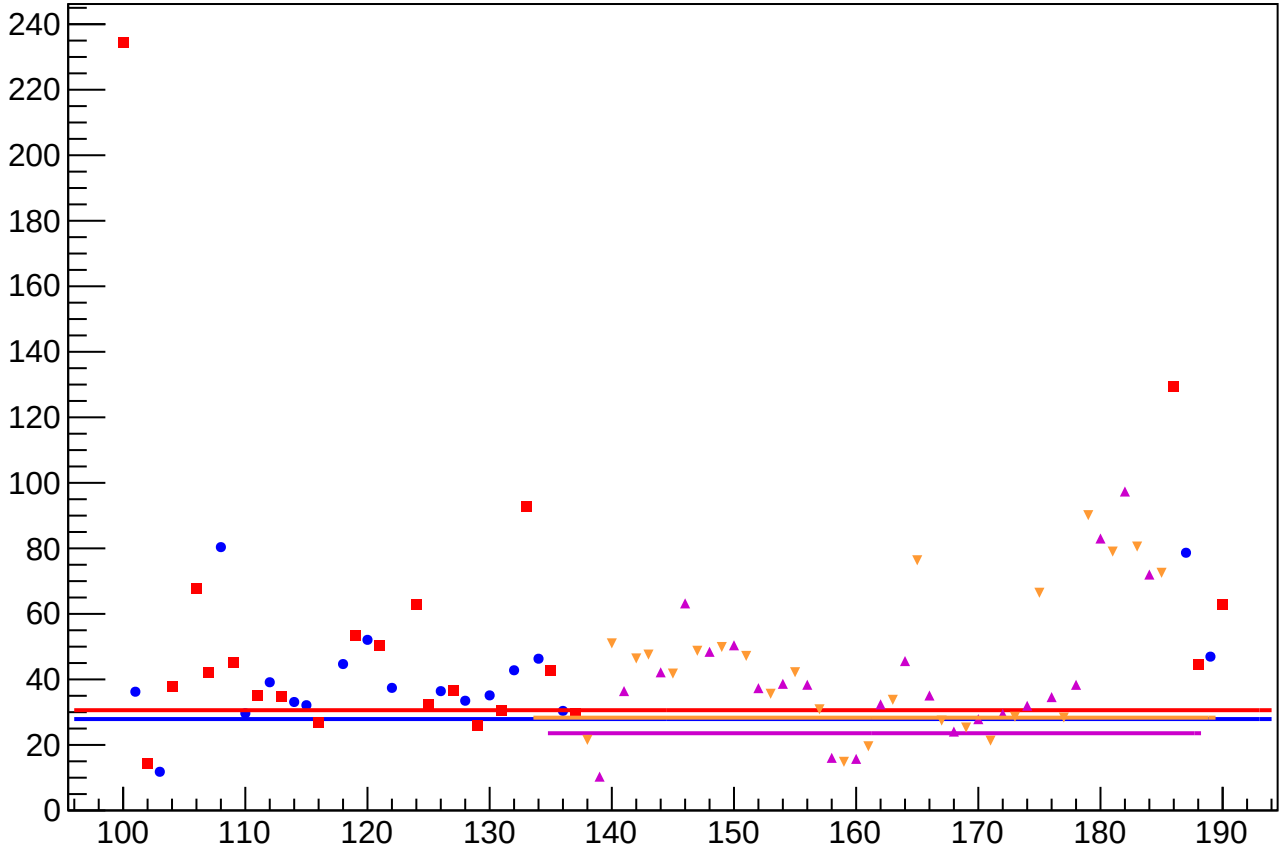
Right: -0.015+/-0.008 χ^2/NDF: 38.0/39

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:69.8/46

All: -0.002+/-0.004 χ^2/NDF: 114.8/87

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712003.0/17

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.604+/-0.009 χ^2/NDF: 3245398.7/21

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

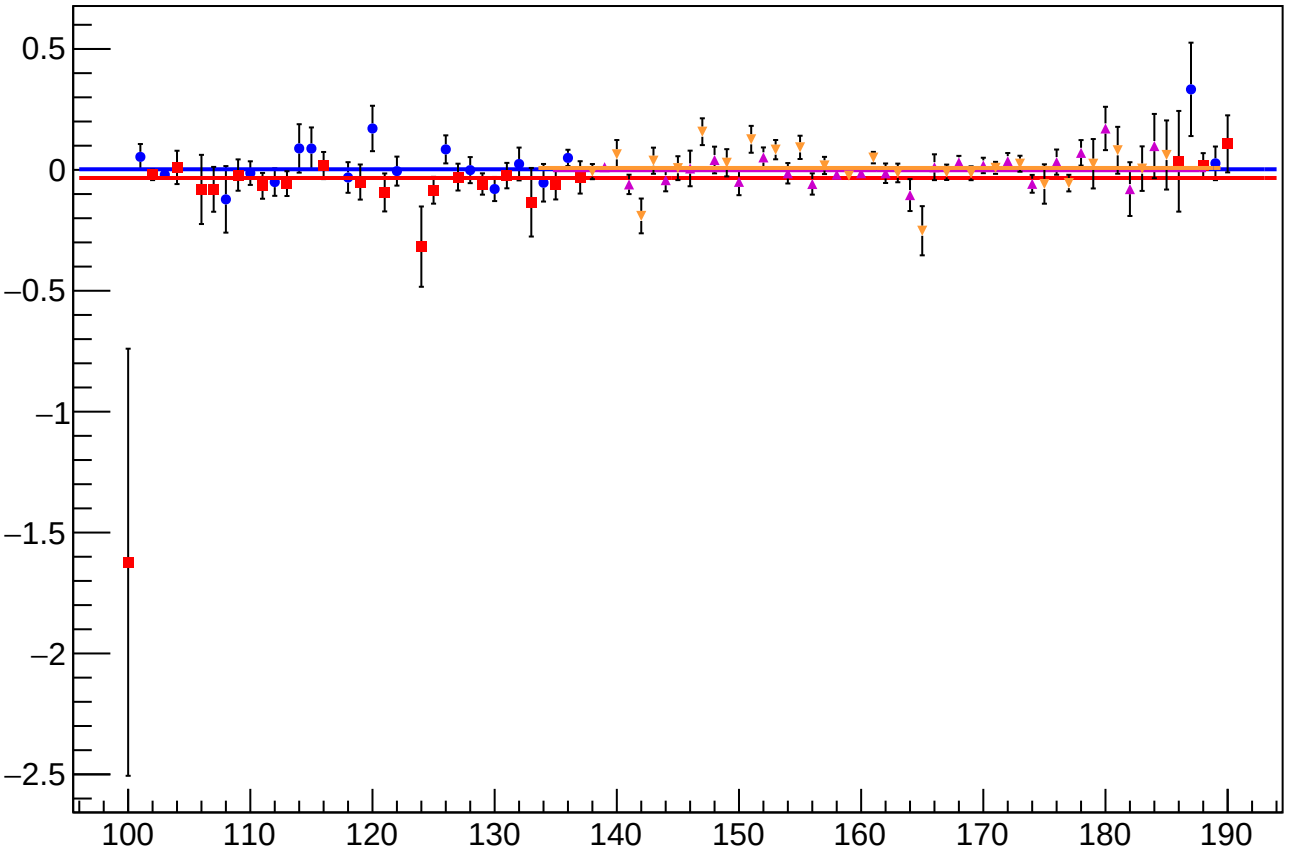
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 29.213+/-0.006 χ^2/NDF: 6008314.1/39

In: 24.647+/-0.004 χ^2/NDF:11176502.1/40

Out: 28.962+/-0.005 χ^2/NDF:10084294.0/46

All: 26.619+/-0.003 χ^2/NDF: 21749564.4/87



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.034+/-0.012 χ^2/NDF: 13.9/21

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

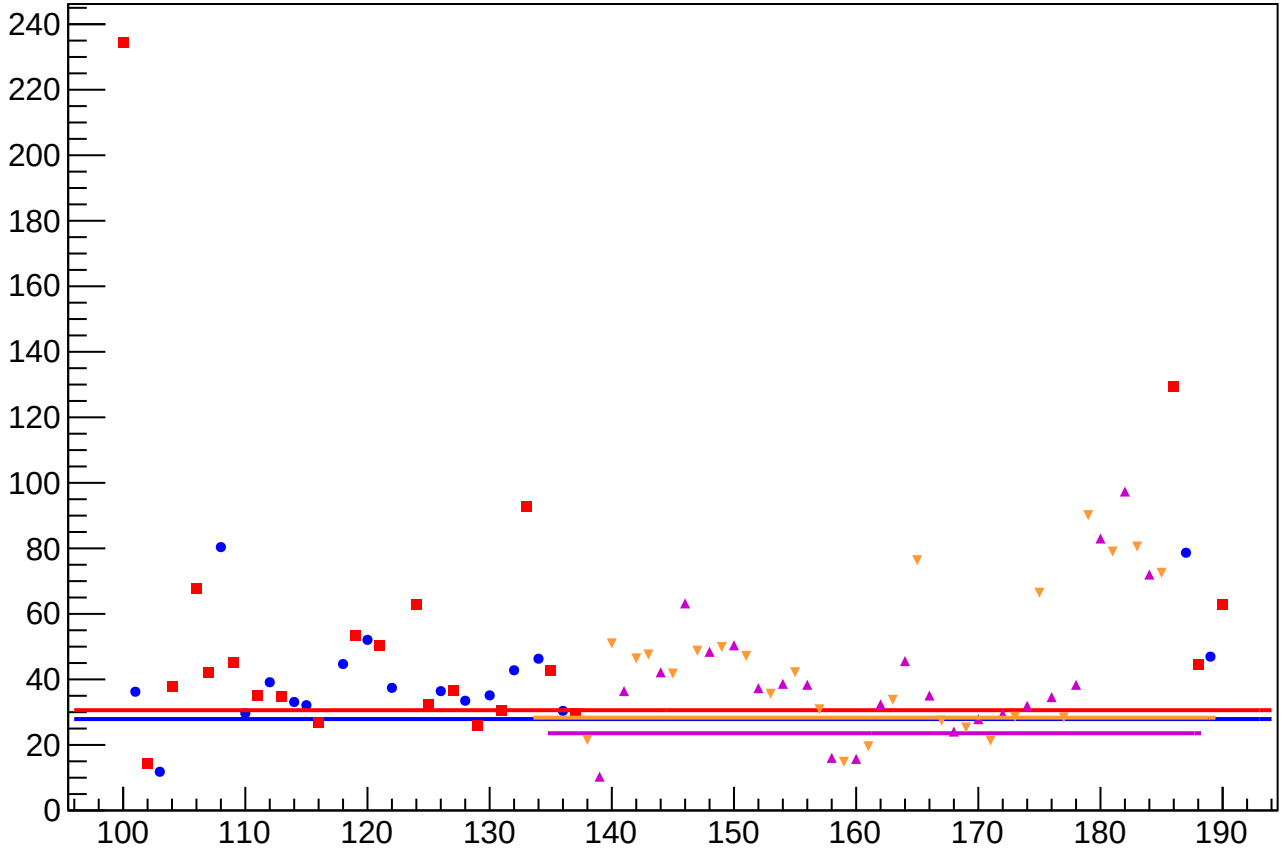
Right: -0.015+/-0.008 χ^2/NDF: 38.0/39

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:69.8/46

All: -0.002+/-0.004 χ^2/NDF: 114.8/87

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712003.0/17

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.604+/-0.009 χ^2/NDF: 3245398.7/21

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

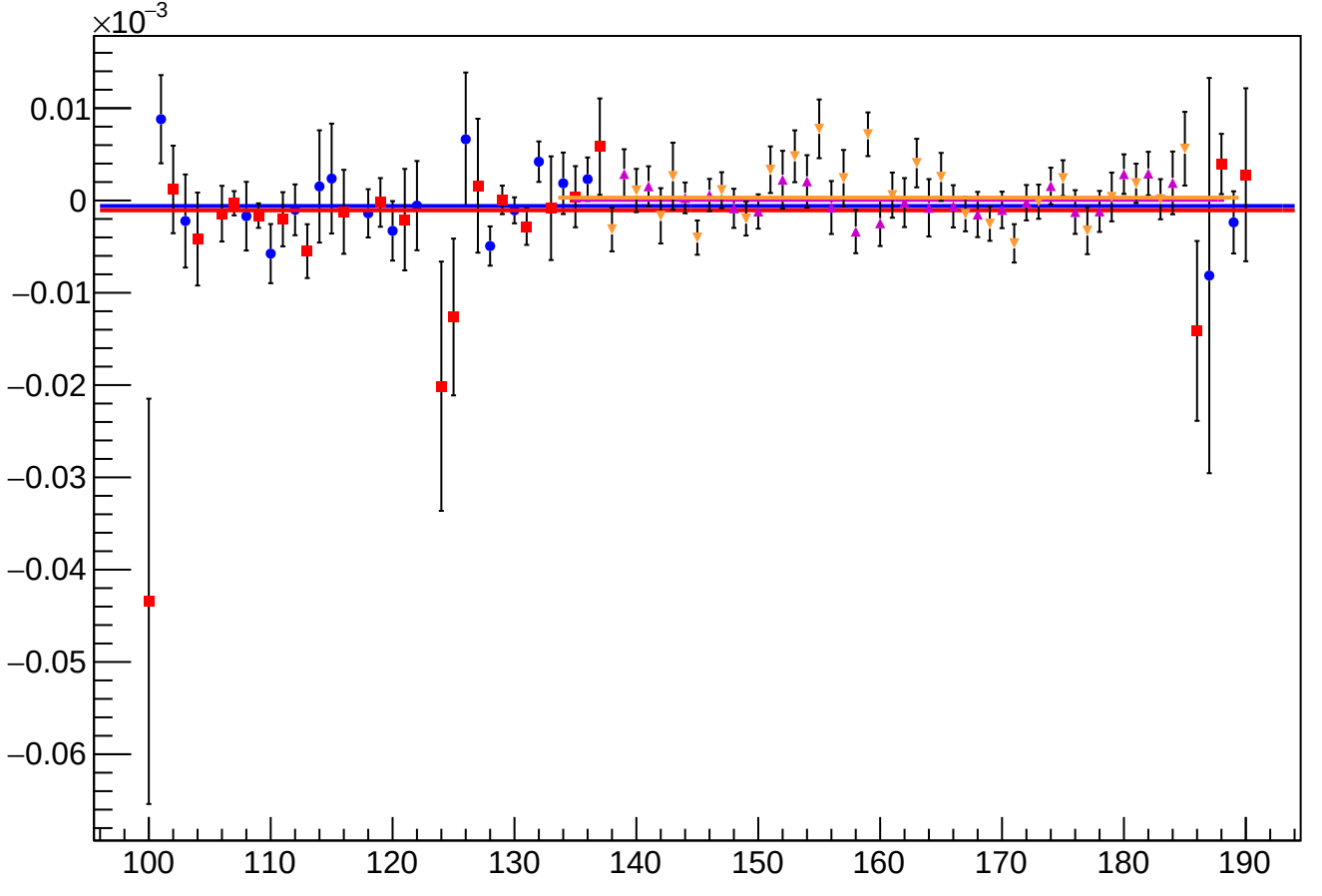
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 29.213+/-0.006 χ^2/NDF: 6008314.1/39

In: 24.647+/-0.004 χ^2/NDF:11176502.1/40

Out: 28.962+/-0.005 χ^2/NDF:10084294.0/46

All: 26.619+/-0.003 χ^2/NDF: 21749564.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

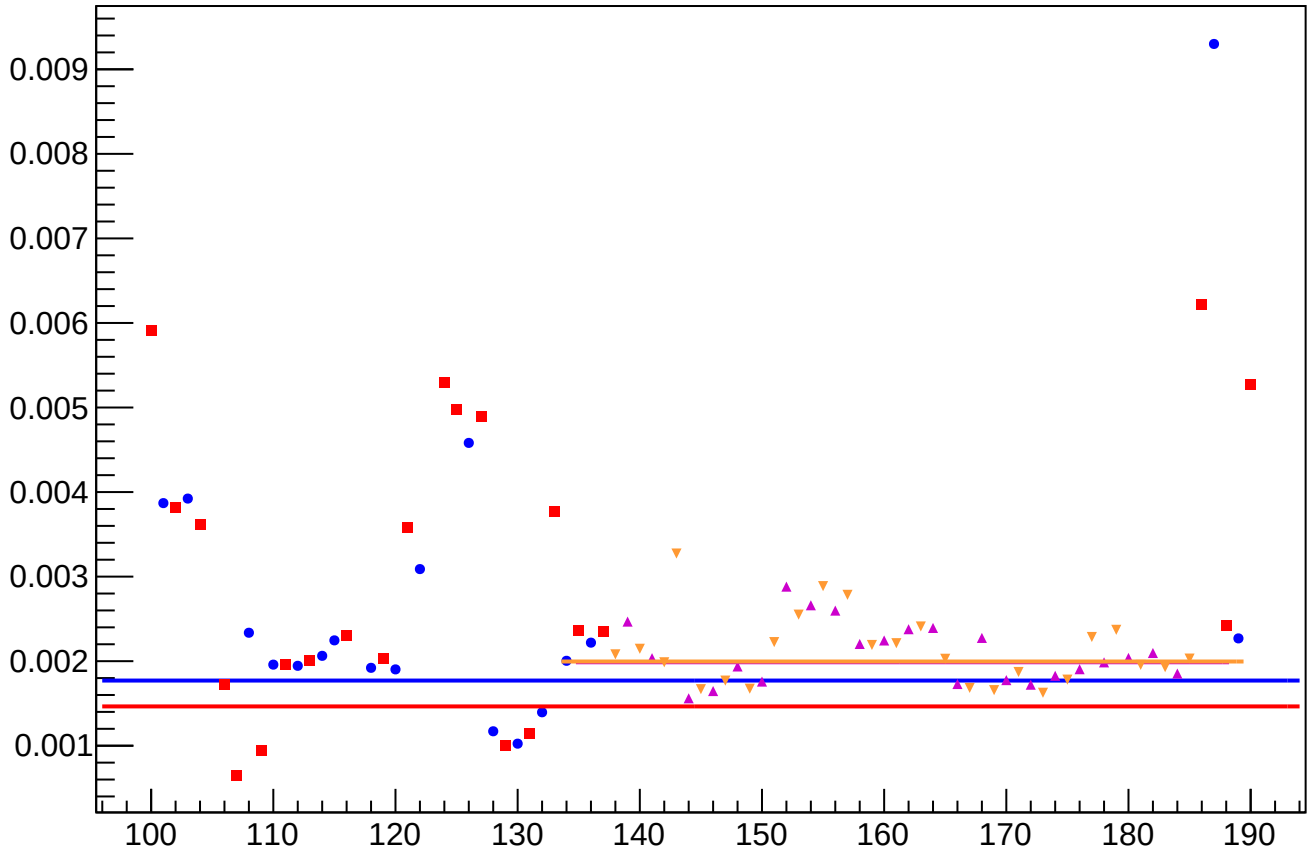
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 39.6/39

In: -0.000+/-0.000 χ^2/NDF:33.1/40

Out: -0.000+/-0.000 χ^2/NDF:67.9/46

All: -0.000+/-0.000 χ^2/NDF: 101.1/87



Right In: 0.002+/-0.000 χ^2/NDF: 2441582.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5326003.6/21

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

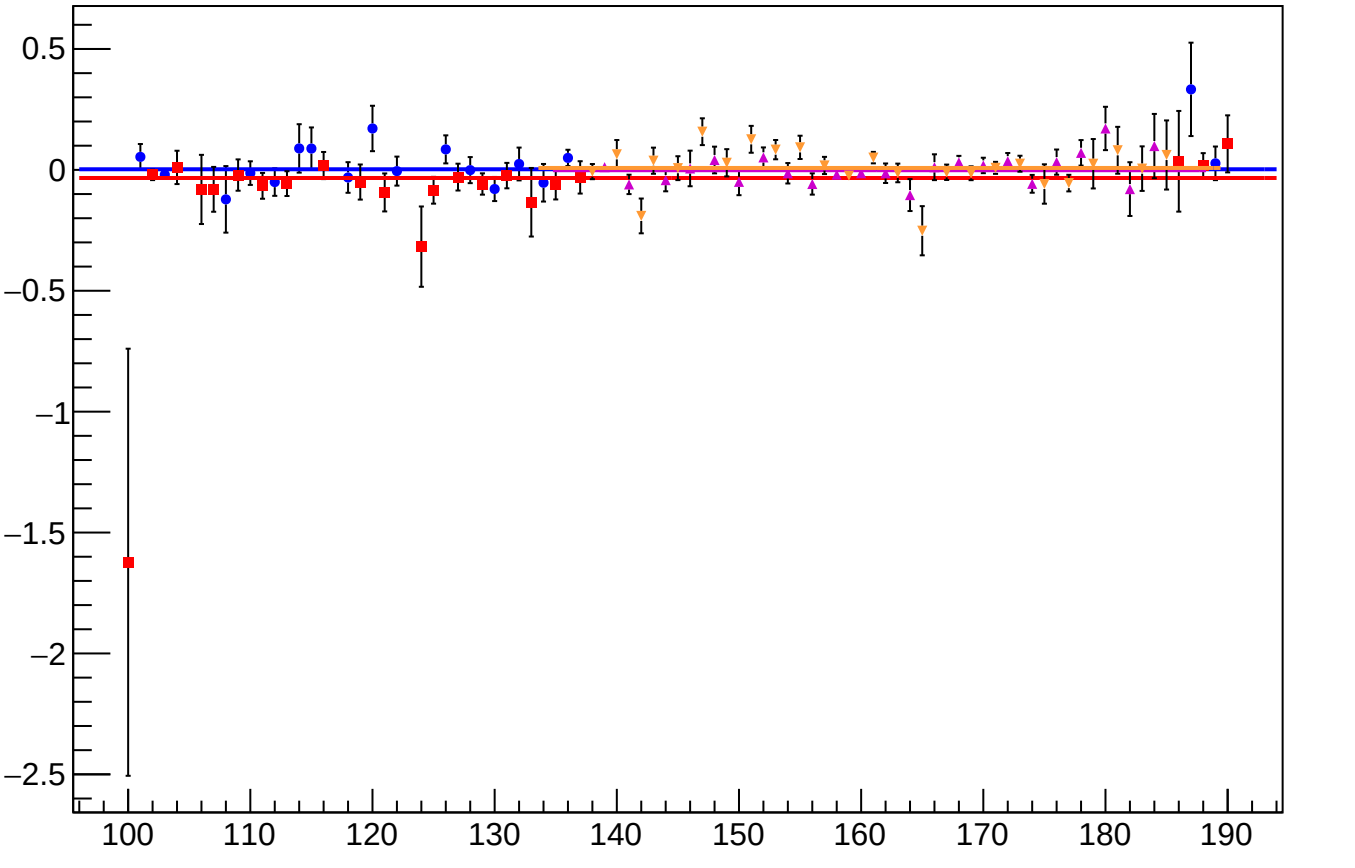
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 7987804.0/39

In: 0.002+/-0.000 χ^2/NDF:3496715.0/40

Out: 0.002+/-0.000 χ^2/NDF:7484354.2/46

All: 0.002+/-0.000 χ^2/NDF: 11084625.0/87



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.034+/-0.012 χ^2/NDF: 13.9/21

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

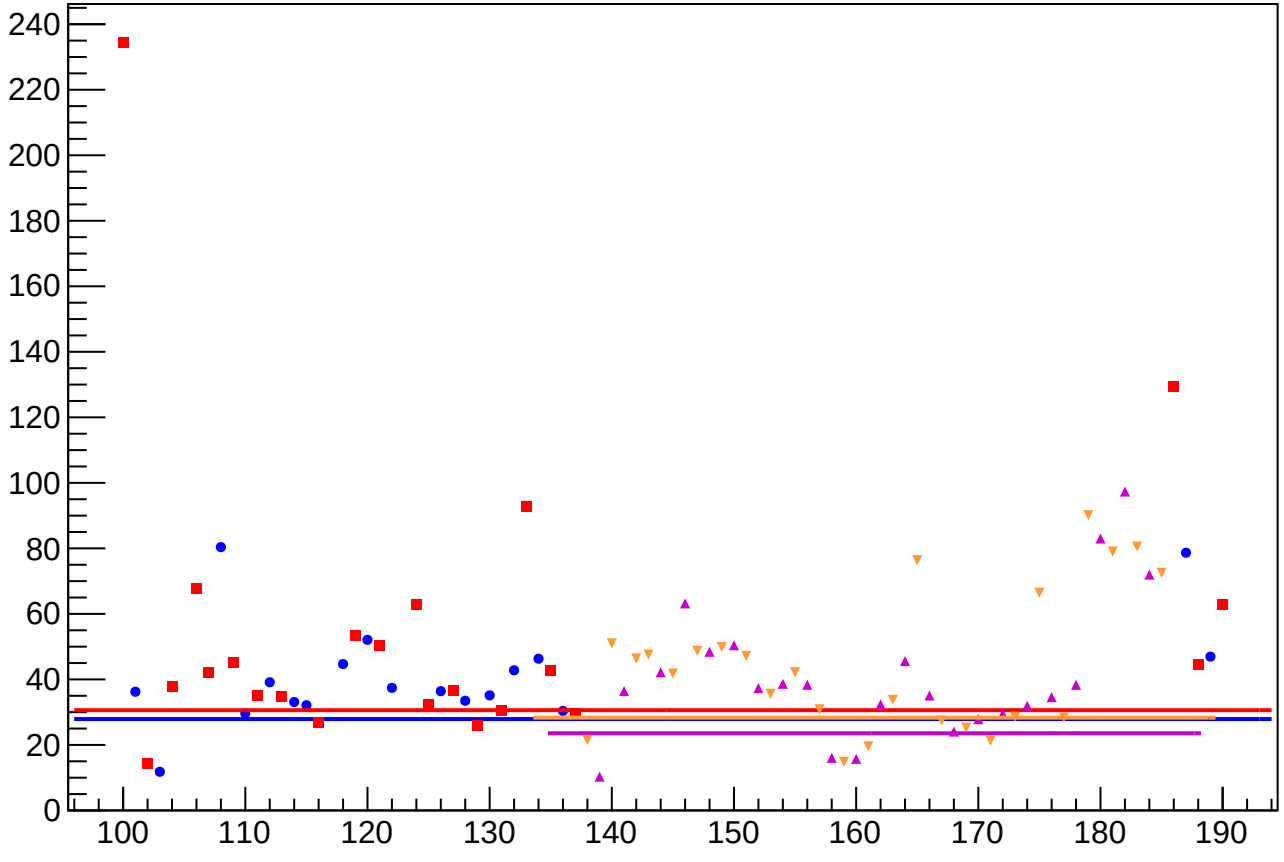
Right: -0.015+/-0.008 χ^2/NDF: 38.0/39

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:69.8/46

All: -0.002+/-0.004 χ^2/NDF: 114.8/87

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 30.607+/-0.009 χ^2/NDF: 3244669.2/21

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

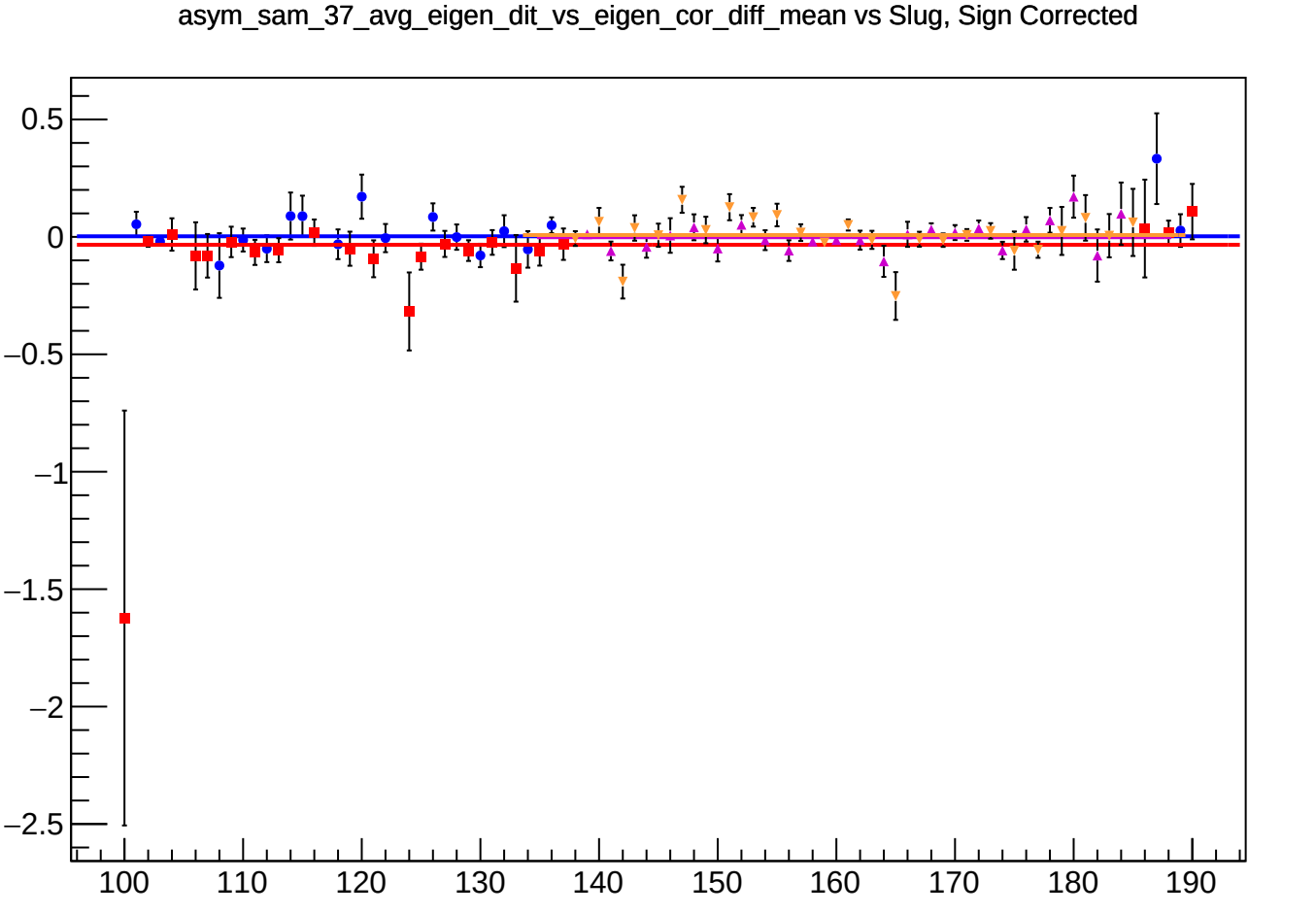
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 29.214+/-0.006 χ^2/NDF: 6008063.3/39

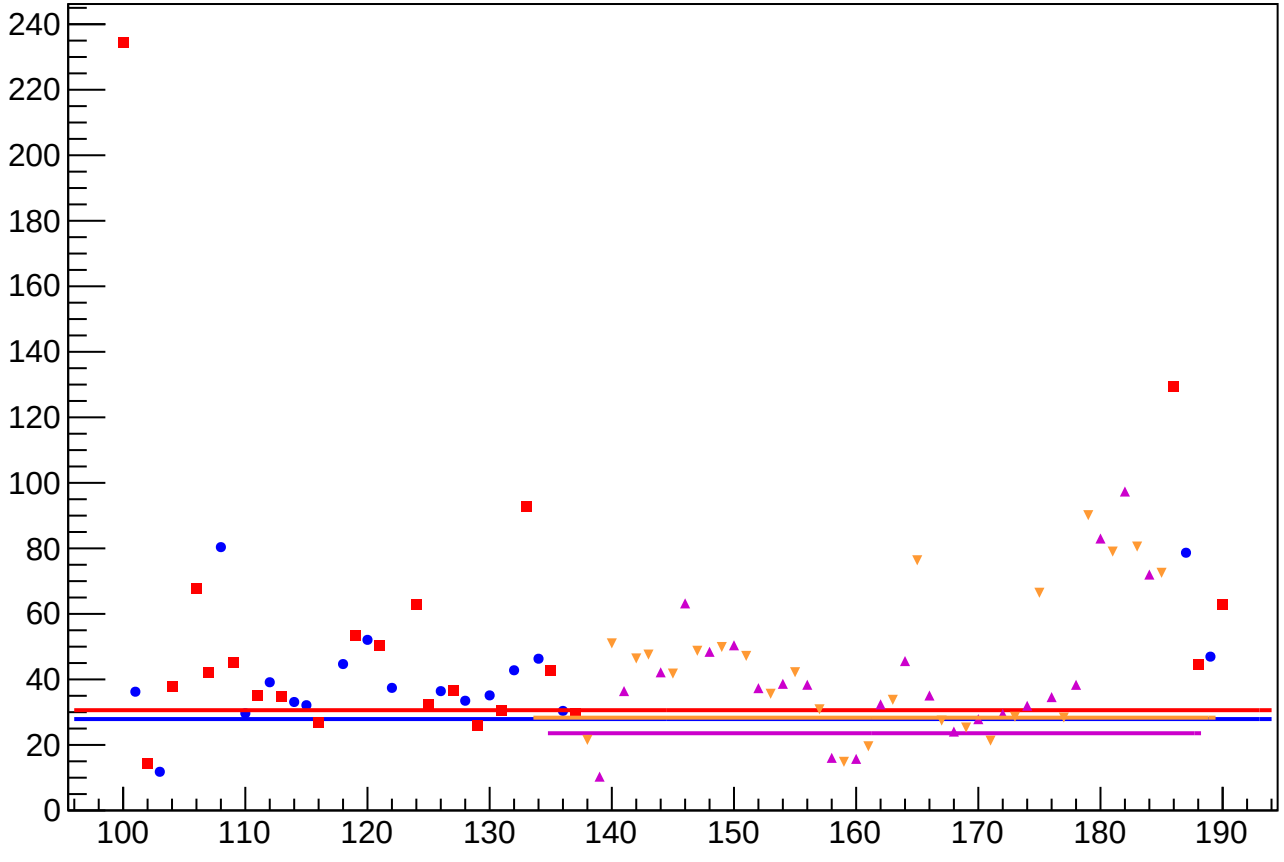
In: 24.646+/-0.004 χ^2/NDF:11177954.4/40

Out: 28.962+/-0.005 χ^2/NDF:10084154.3/46

All: 26.618+/-0.003 χ^2/NDF: 21751220.0/87


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.012 χ²/NDF: 19.6/17
Left Out: 0.008+/-0.008 χ²/NDF:47.6/24
Right Out: -0.034+/-0.012 χ²/NDF: 13.9/21
Left In: -0.001+/-0.007 χ²/NDF:25.1/22
Left: 0.003+/-0.005 χ²/NDF: 73.6/47
Right: -0.015+/-0.008 χ²/NDF: 38.0/39
In: -0.000+/-0.006 χ²/NDF:44.8/40
Out: -0.004+/-0.006 χ²/NDF:69.8/46
All: -0.002+/-0.004 χ²/NDF: 114.8/87

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 30.607+/-0.009 χ^2/NDF: 3244669.2/21

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

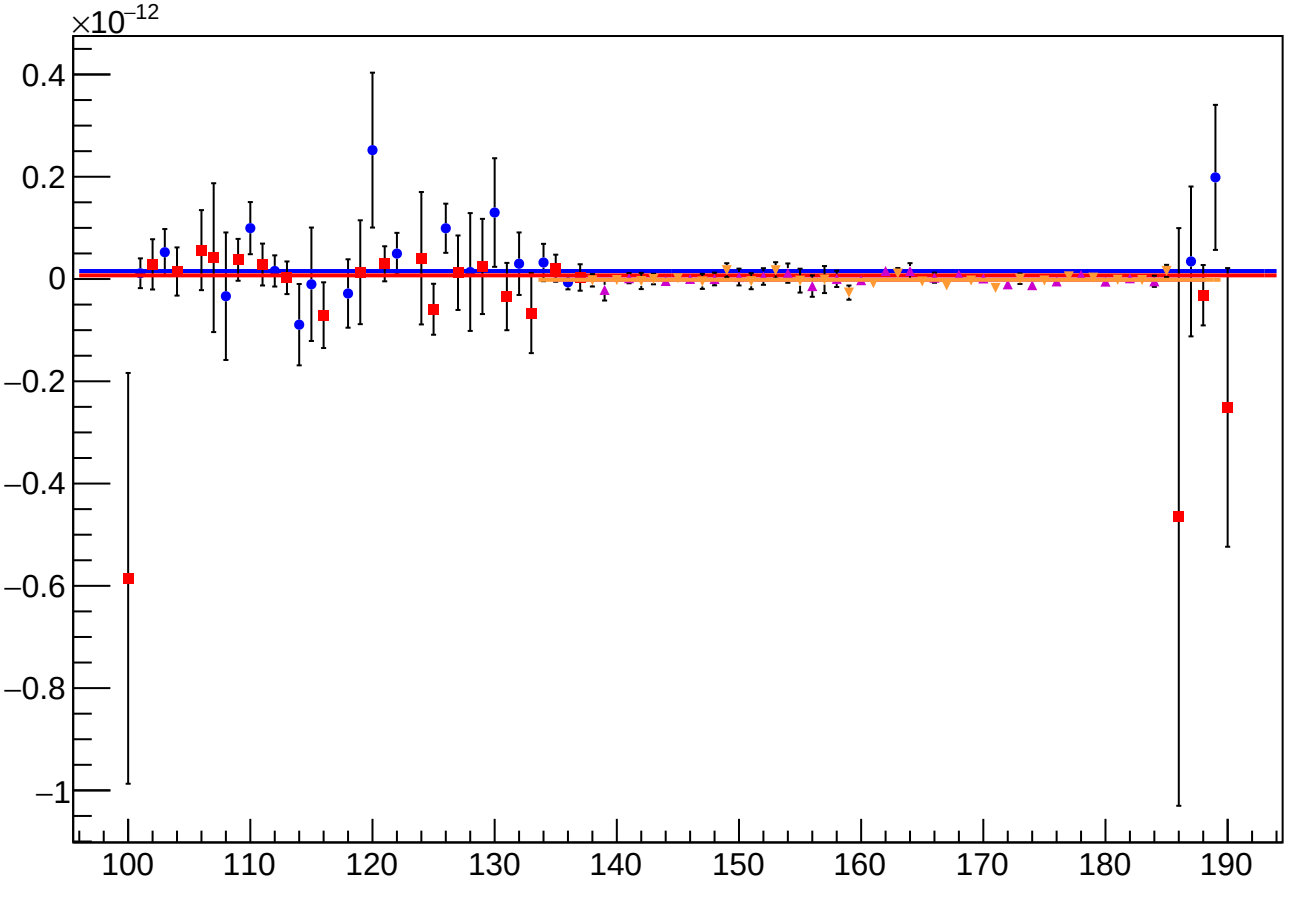
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 29.214+/-0.006 χ^2/NDF: 6008063.3/39

In: 24.646+/-0.004 χ^2/NDF:11177954.4/40

Out: 28.962+/-0.005 χ^2/NDF:10084154.3/46

All: 26.618+/-0.003 χ^2/NDF: 21751220.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11.1/21

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

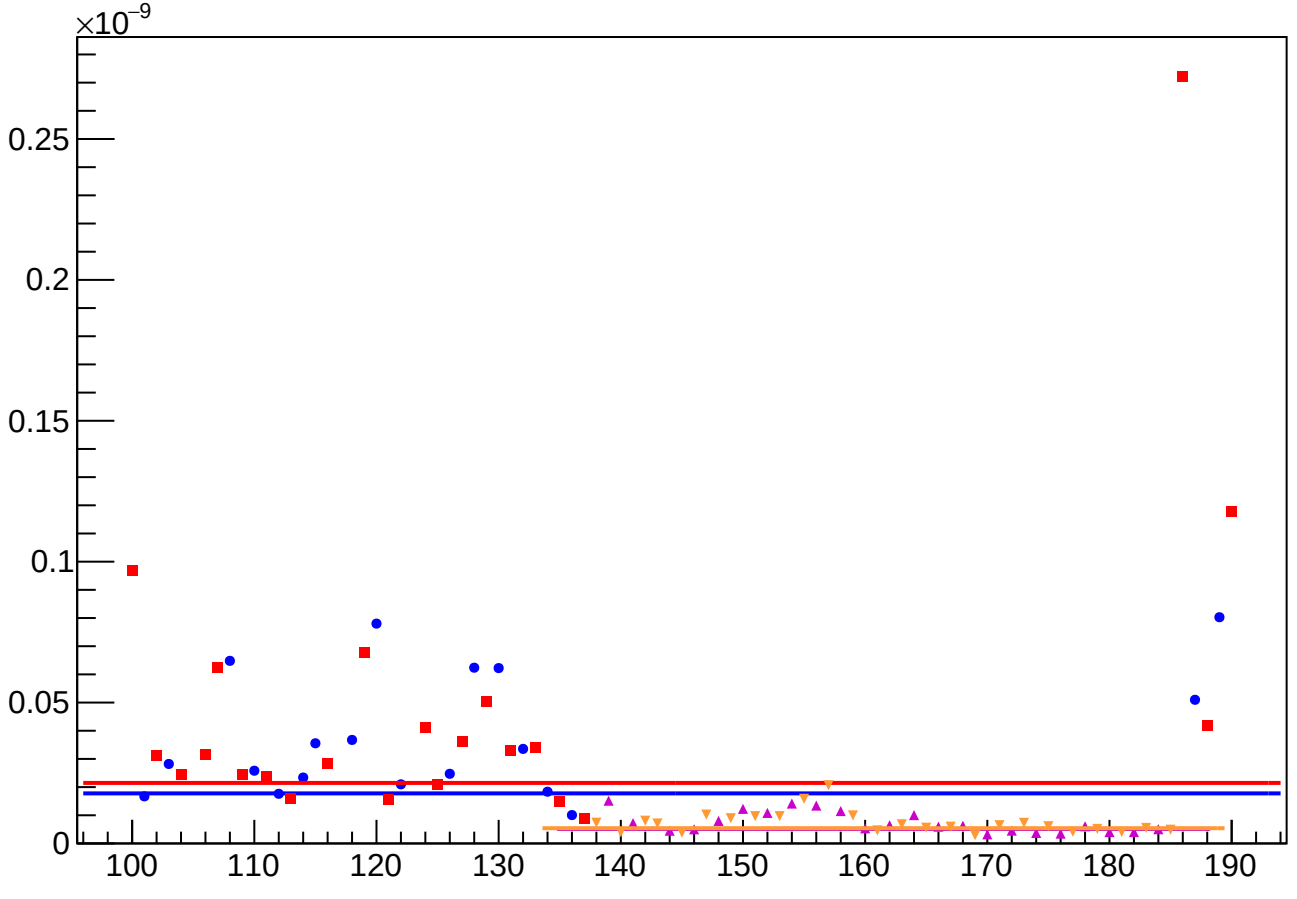
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 29.1/39

In: -0.000+/-0.000 χ^2/NDF:36.7/40

Out: -0.000+/-0.000 χ^2/NDF:29.3/46

All: -0.000+/-0.000 χ^2/NDF: 66.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 2937196.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2821129.7/21

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

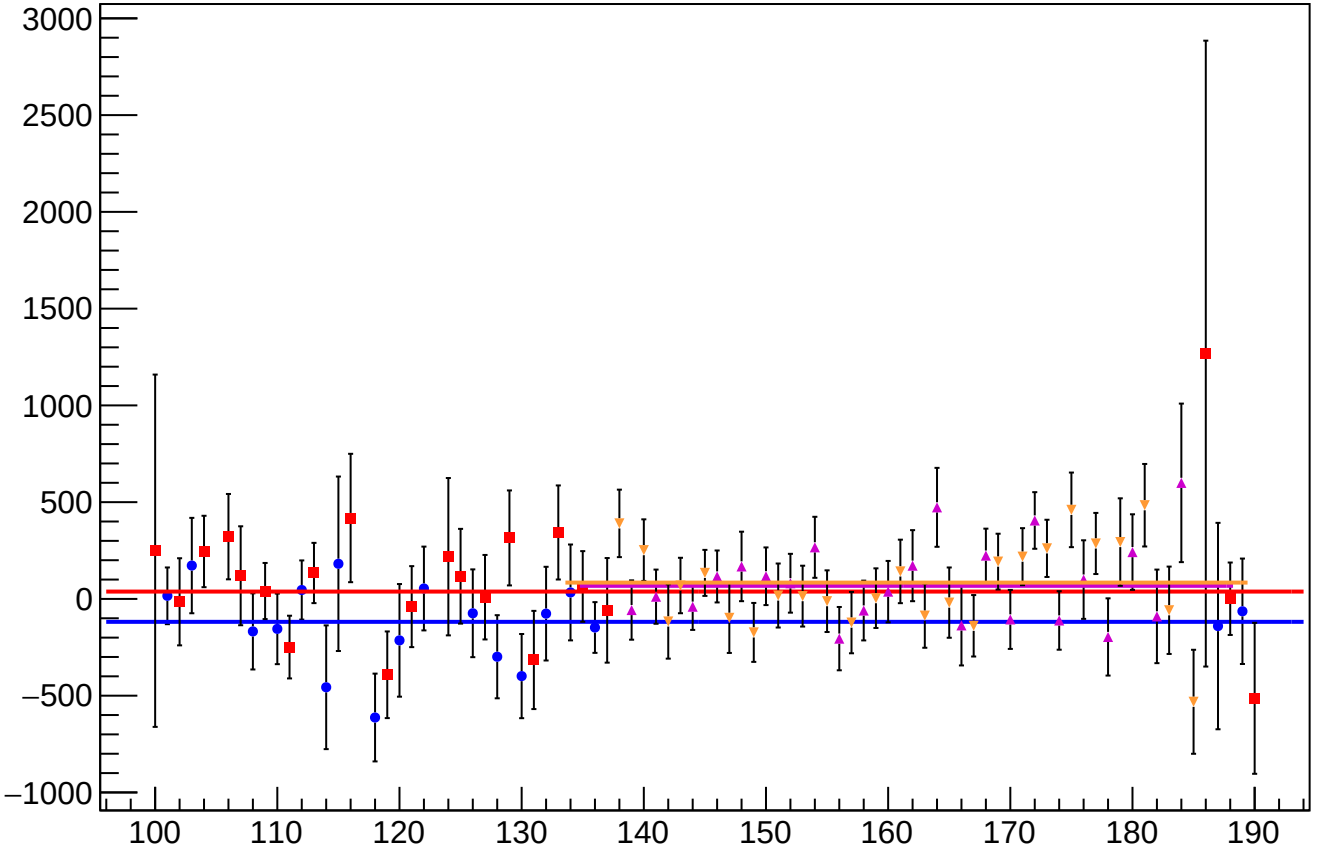
Right: 0.000+/-0.000 χ^2/NDF: 5895082.4/39

In: 0.000+/-0.000 χ^2/NDF:9799648.2/40

Out: 0.000+/-0.000 χ^2/NDF:10332099.7/46

All: 0.000+/-0.000 χ^2/NDF: 20154353.8/87

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -118.438+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 37.951+/-47.839 χ^2/NDF: 19.7/21

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

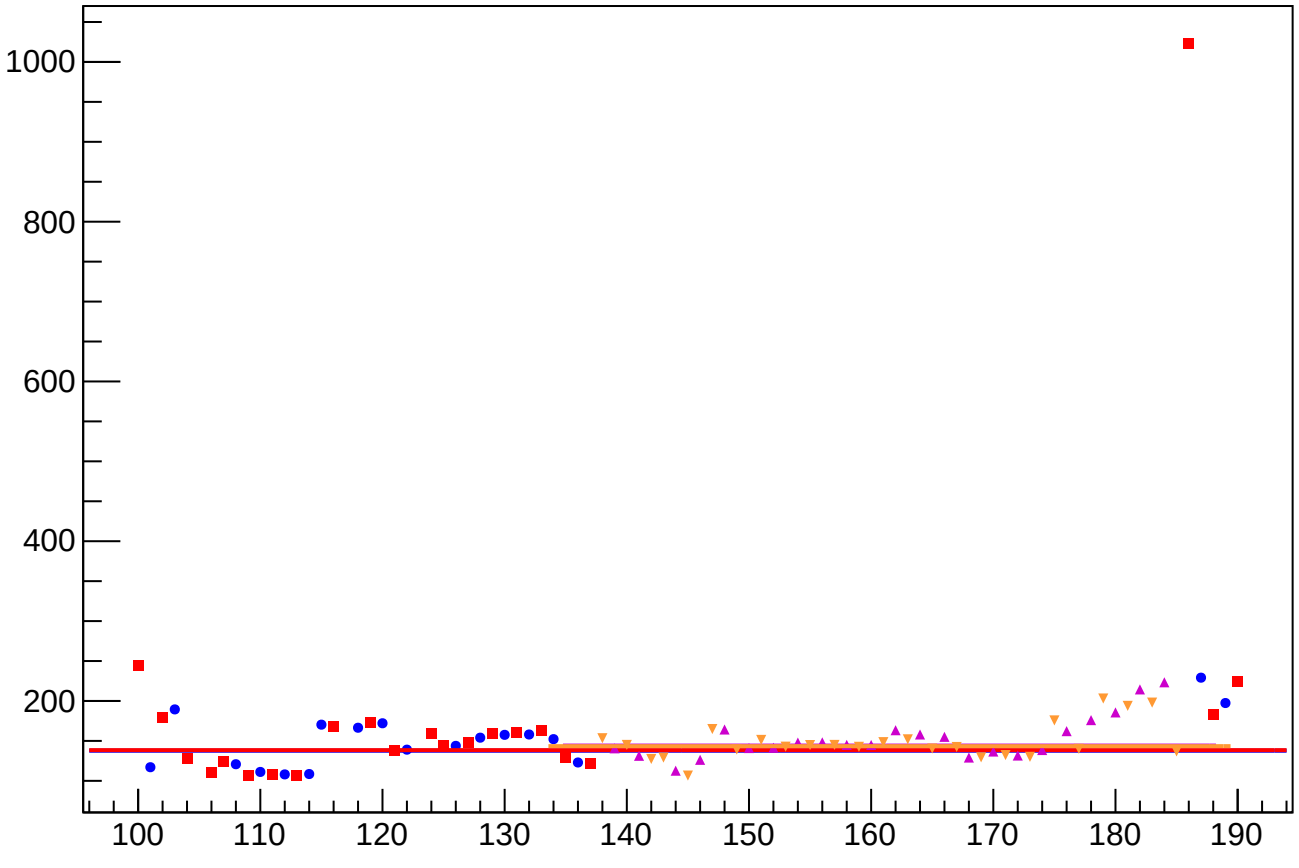
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -36.782+/-34.568 χ^2/NDF: 38.2/39

In: 8.493+/-28.194 χ^2/NDF:49.4/40

Out: 69.351+/-27.184 χ^2/NDF:54.1/46

All: 40.031+/-19.569 χ^2/NDF: 105.9/87



Right In: 137.712+/-0.035 χ^2/NDF: 578306.6/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 138.430+/-0.034 χ^2/NDF: 1326983.6/21

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

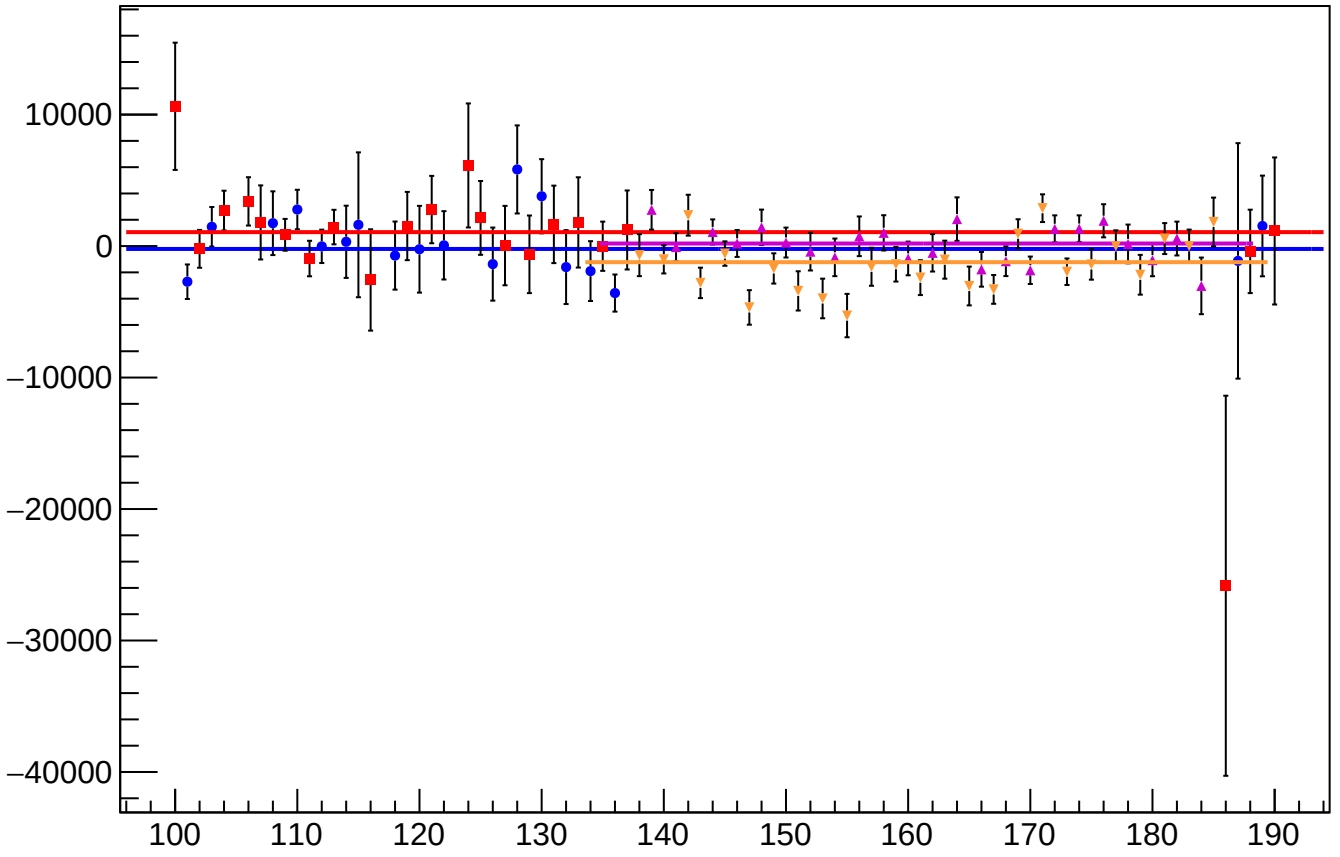
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 138.087+/-0.024 χ^2/NDF: 1905505.1/39

In: 142.118+/-0.020 χ^2/NDF:1303774.8/40

Out: 141.825+/-0.019 χ^2/NDF:2088900.1/46

All: 141.966+/-0.014 χ^2/NDF: 3392786.8/87



Right In: -219.227+/-496.405 χ^2/NDF: 21.8/17

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1059.853+/-461.557 χ^2/NDF: 17.1/21

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

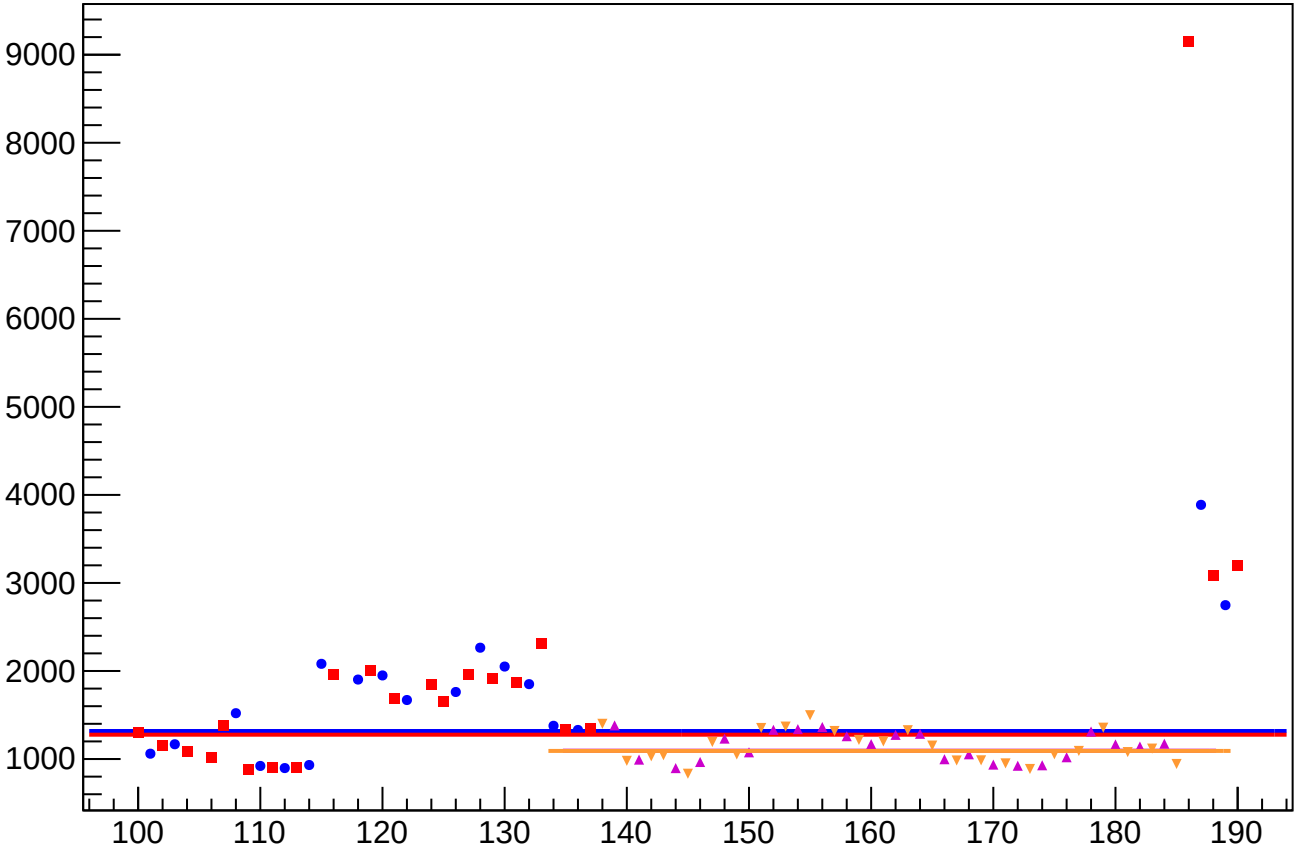
Right: 466.780+/-338.019 χ^2/NDF: 42.5/39

In: 105.469+/-229.570 χ^2/NDF:45.7/40

Out: -701.094+/-221.024 χ^2/NDF:95.2/46

All: -313.105+/-159.223 χ^2/NDF: 147.3/87

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1318.233+/-0.351 χ^2/NDF: 1622190.1/17

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1276.331+/-0.326 χ^2/NDF: 2897066.2/21

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

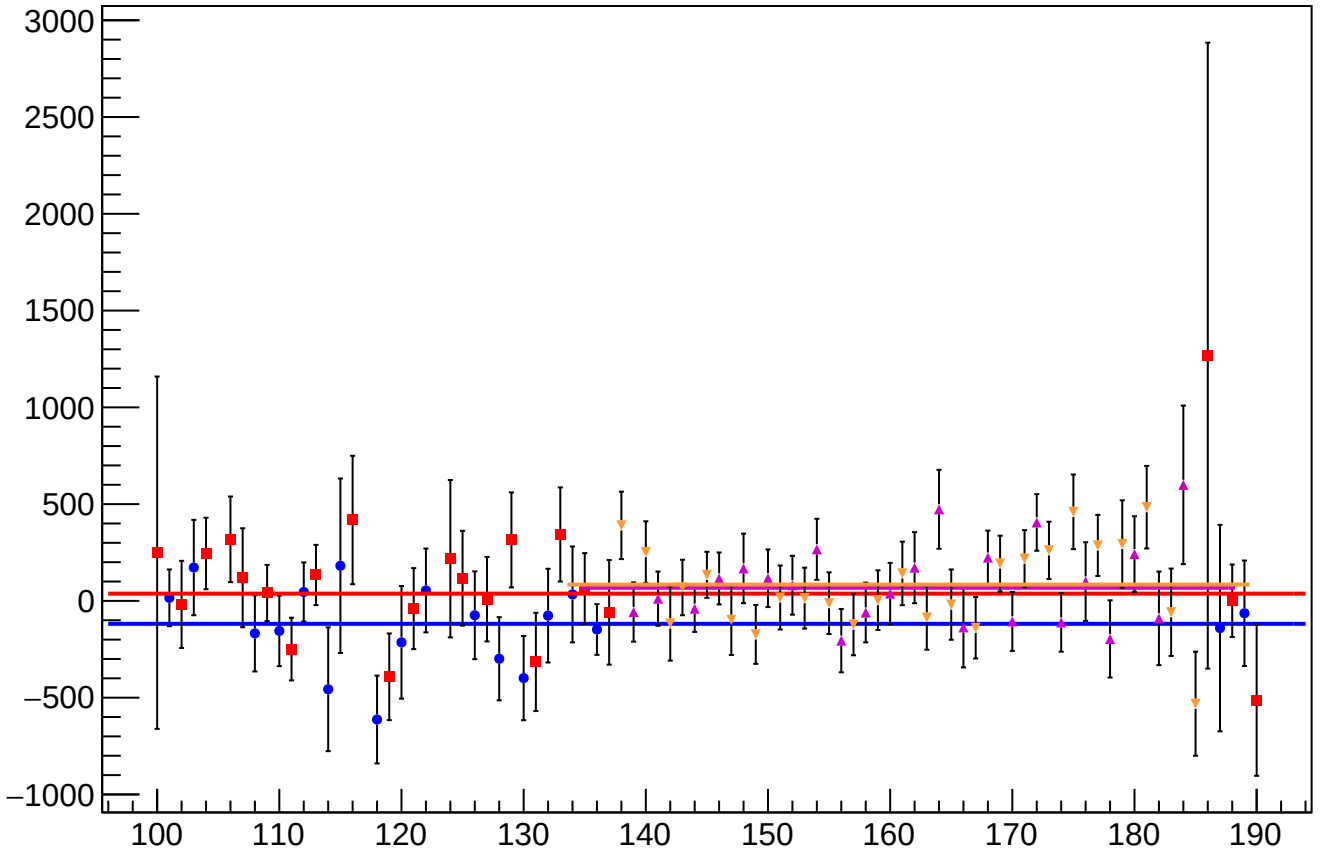
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1295.760+/-0.239 χ^2/NDF: 4526898.9/39

In: 1142.334+/-0.162 χ^2/NDF:2674607.9/40

Out: 1134.254+/-0.156 χ^2/NDF:4035405.2/46

All: 1138.140+/-0.113 χ^2/NDF: 6711298.8/87



Right In: -118.447+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 37.545+/-47.847 χ^2/NDF: 19.6/21

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

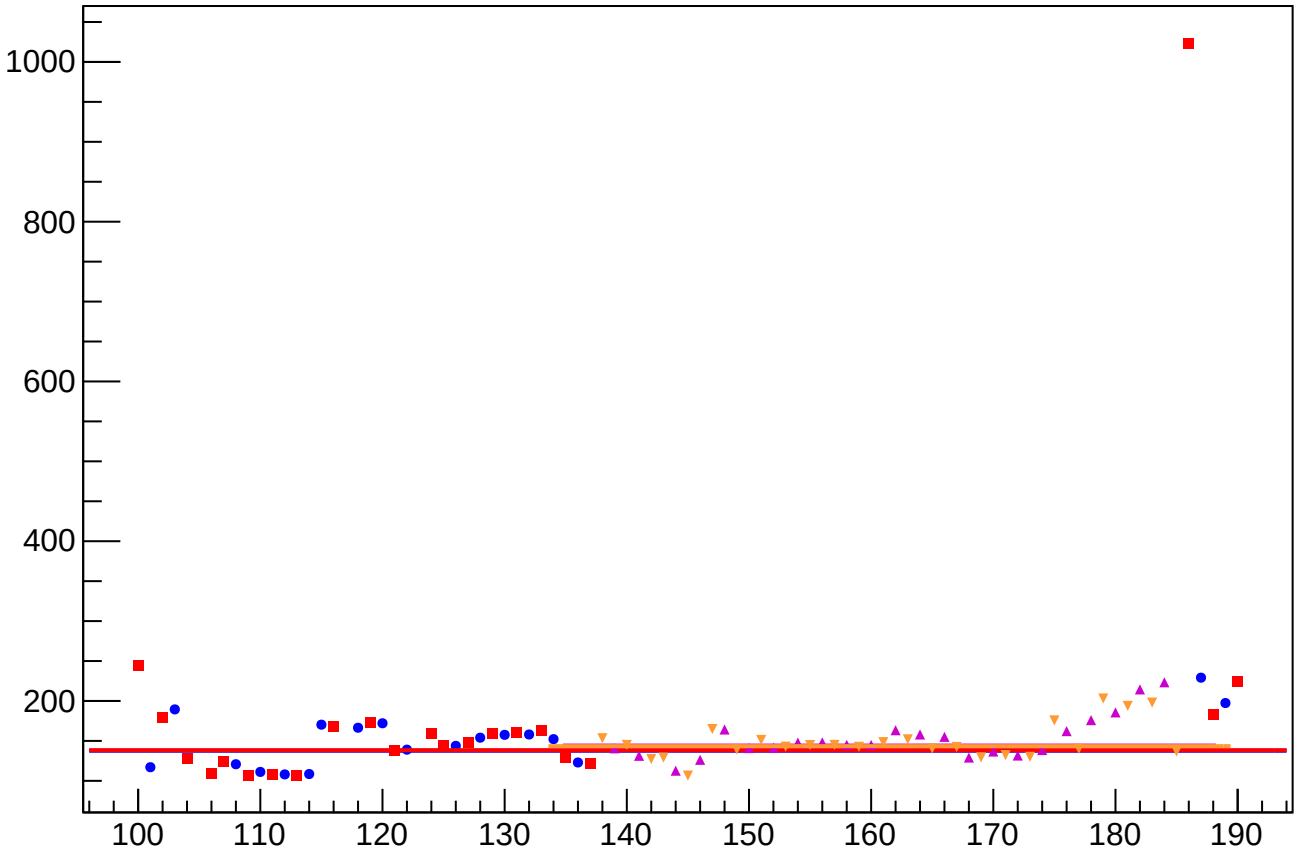
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -37.011+/-34.571 χ^2/NDF: 38.1/39

In: 8.491+/-28.194 χ^2/NDF:49.4/40

Out: 69.233+/-27.185 χ^2/NDF:54.1/46

All: 39.968+/-19.570 χ^2/NDF: 105.9/87



Right In: 137.712+/-0.035 χ^2/NDF: 578309.5/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 138.365+/-0.034 χ^2/NDF: 1330737.8/21

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

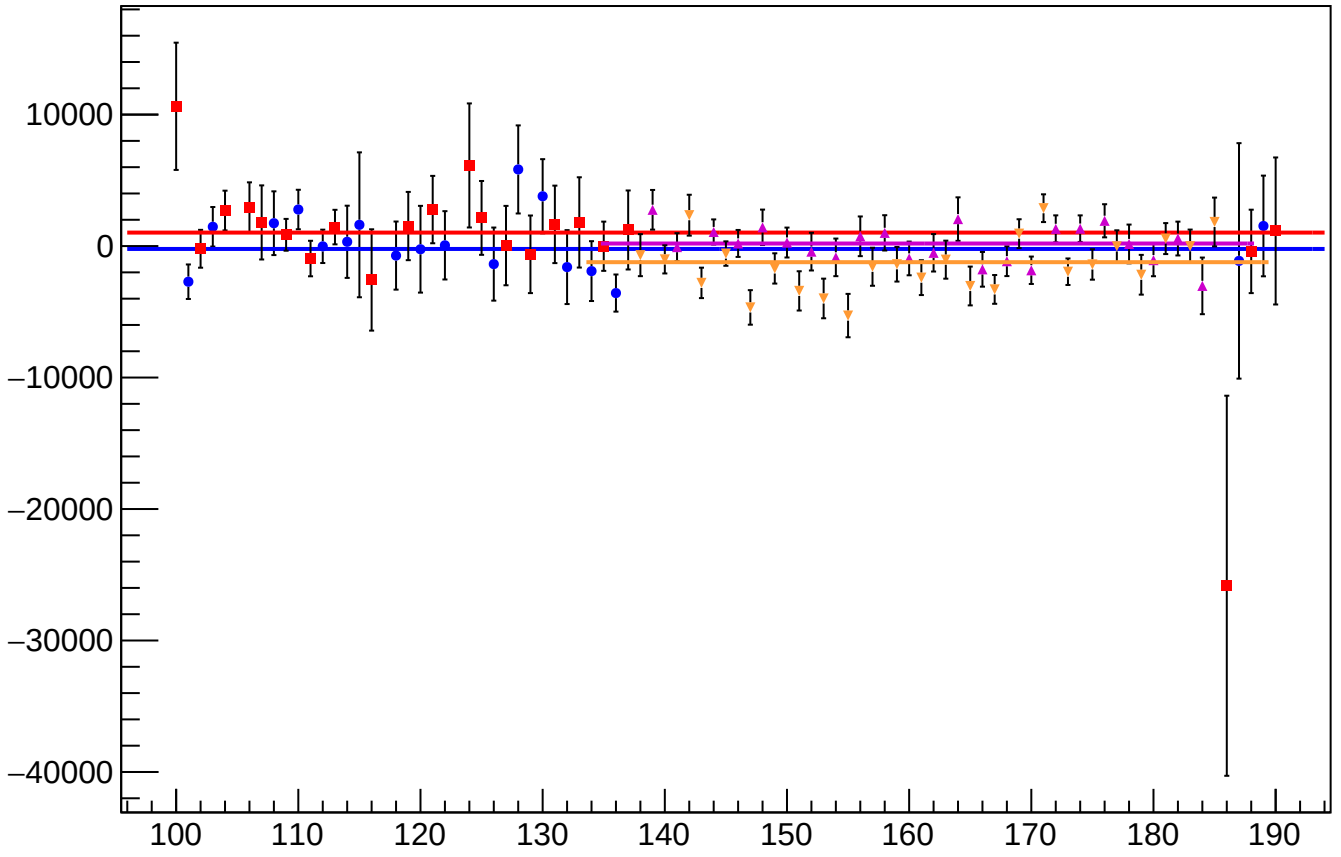
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 138.053+/-0.024 χ^2/NDF: 1909225.1/39

In: 142.118+/-0.020 χ^2/NDF:1303777.6/40

Out: 141.804+/-0.019 χ^2/NDF:2093037.1/46

All: 141.955+/-0.014 χ^2/NDF: 3396942.8/87



Right In: -219.294+/-496.409 χ^2/NDF: 21.8/17

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1025.326+/-462.441 χ^2/NDF: 16.5/21

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

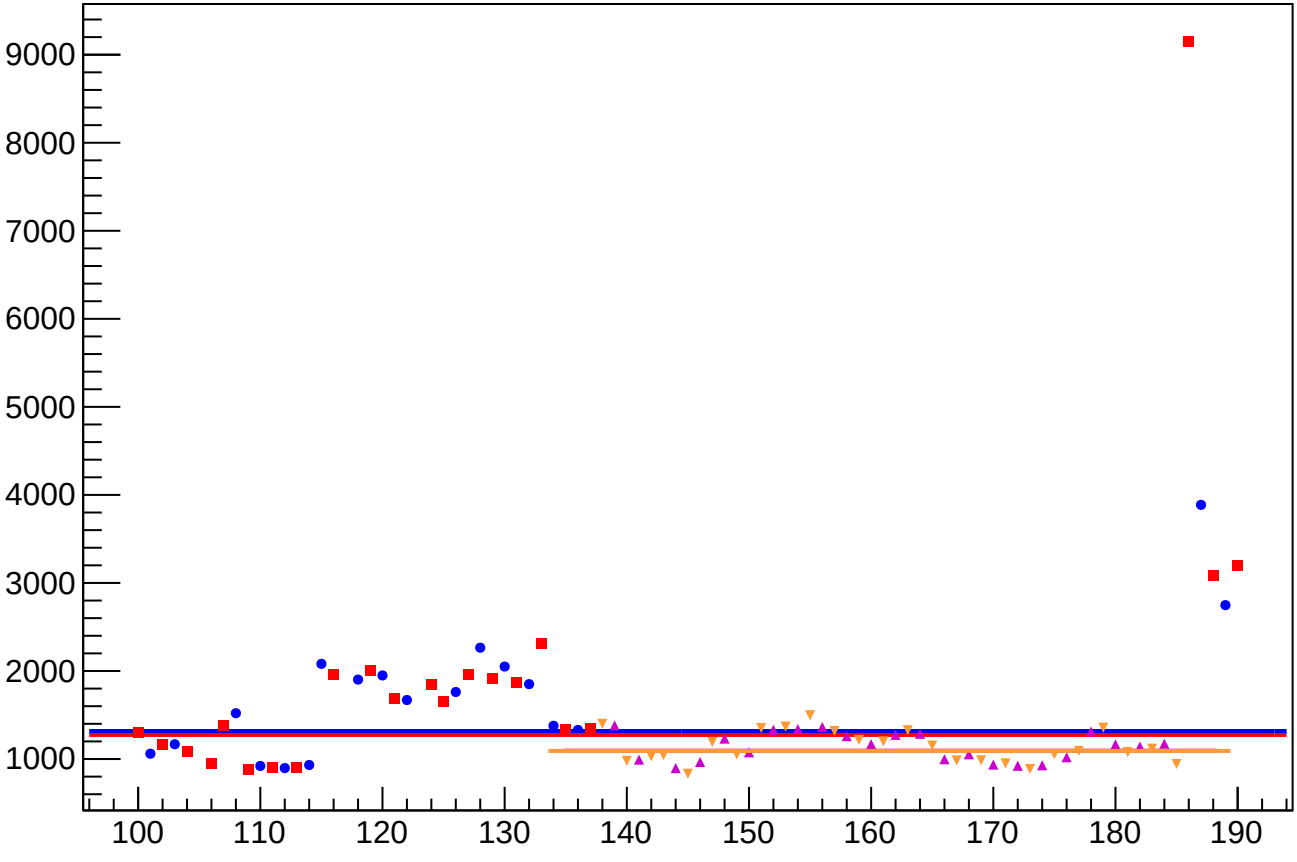
Right: 447.053+/-338.367 χ^2/NDF: 41.7/39

In: 105.458+/-229.570 χ^2/NDF:45.7/40

Out: -710.518+/-221.120 χ^2/NDF:94.0/46

All: -317.823+/-159.259 χ^2/NDF: 146.2/87

asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1318.247+/-0.351 χ^2/NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1273.690+/-0.327 χ^2/NDF: 2914577.4/21

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

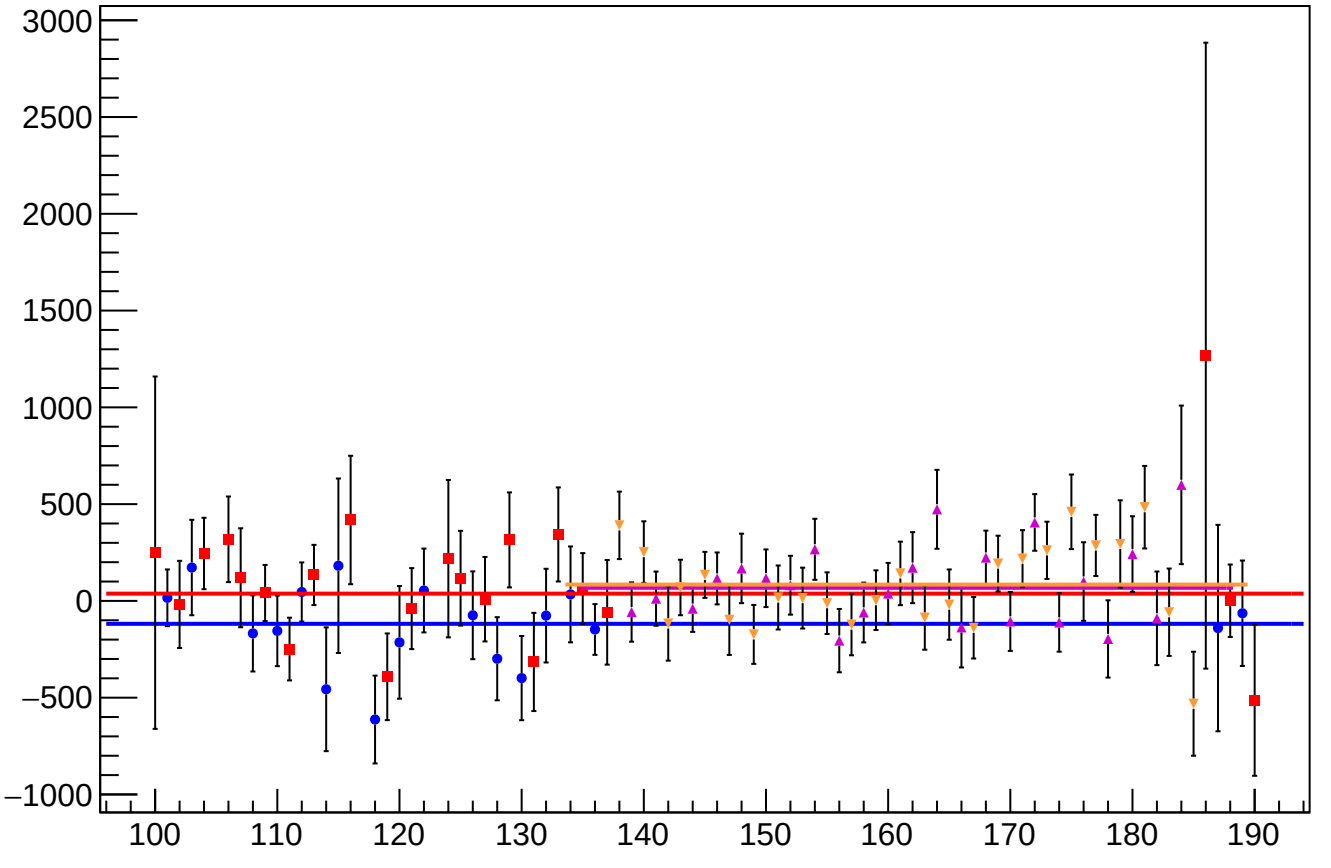
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1294.392+/-0.239 χ^2/NDF: 4545361.9/39

In: 1142.336+/-0.162 χ^2/NDF:2674610.8/40

Out: 1133.525+/-0.156 χ^2/NDF:4045217.2/46

All: 1137.765+/-0.113 χ^2/NDF: 6721356.3/87



Right In: -118.447+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 37.545+/-47.847 χ^2/NDF: 19.6/21

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

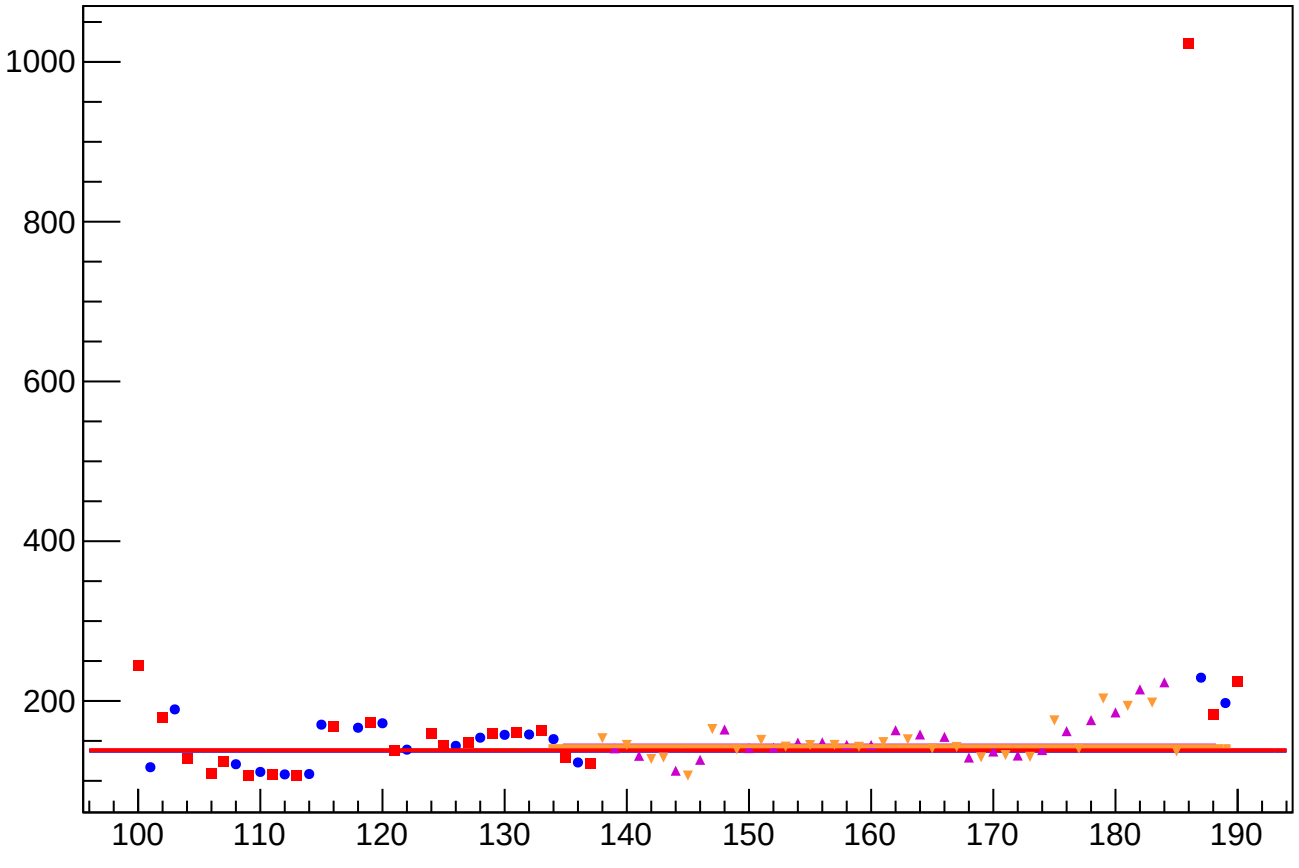
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -37.011+/-34.571 χ^2/NDF: 38.1/39

In: 8.491+/-28.194 χ^2/NDF:49.4/40

Out: 69.233+/-27.185 χ^2/NDF:54.1/46

All: 39.968+/-19.570 χ^2/NDF: 105.9/87



Right In: 137.712+/-0.035 χ^2/NDF: 578309.5/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 138.365+/-0.034 χ^2/NDF: 1330737.8/21

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

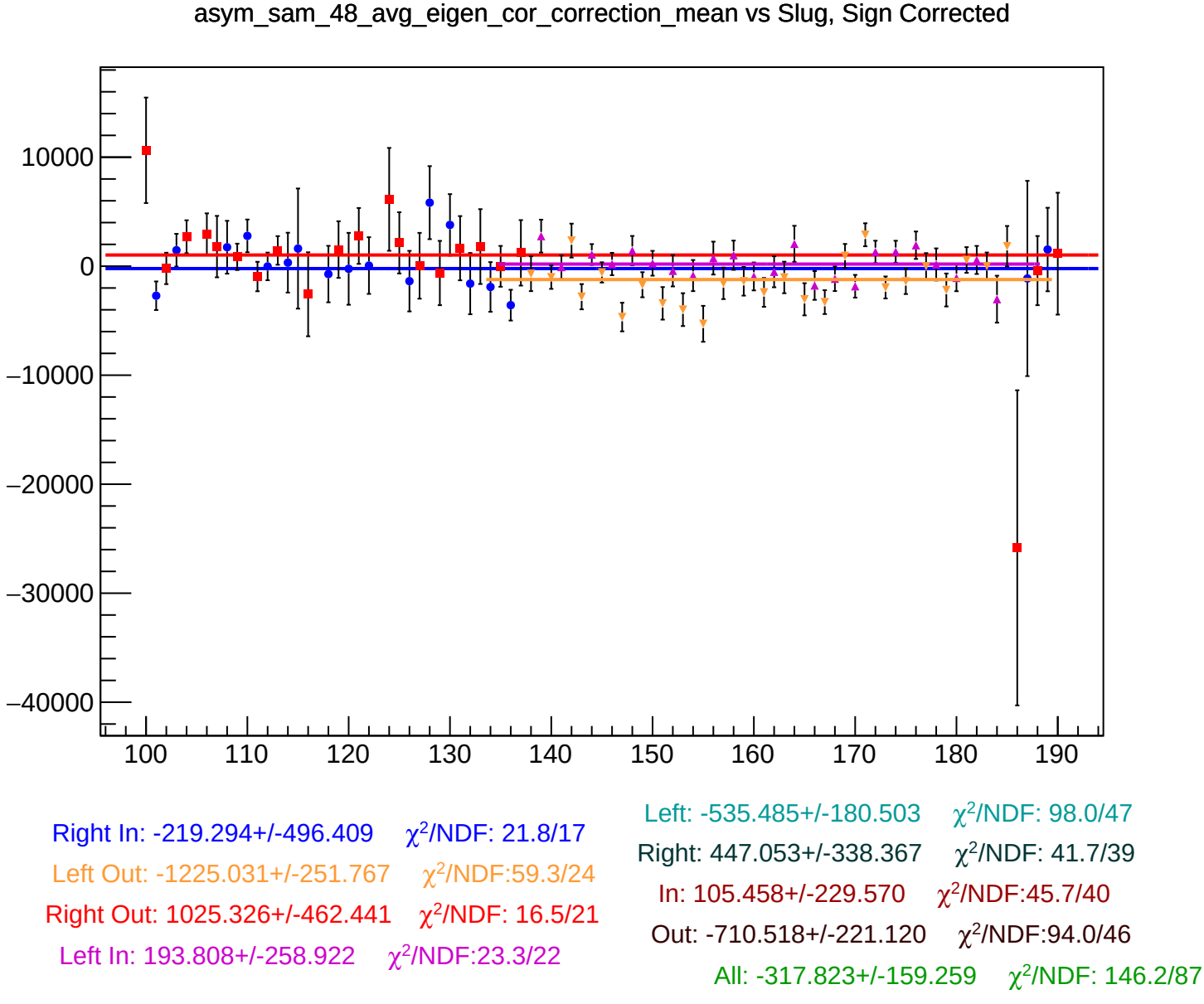
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 138.053+/-0.024 χ^2/NDF: 1909225.1/39

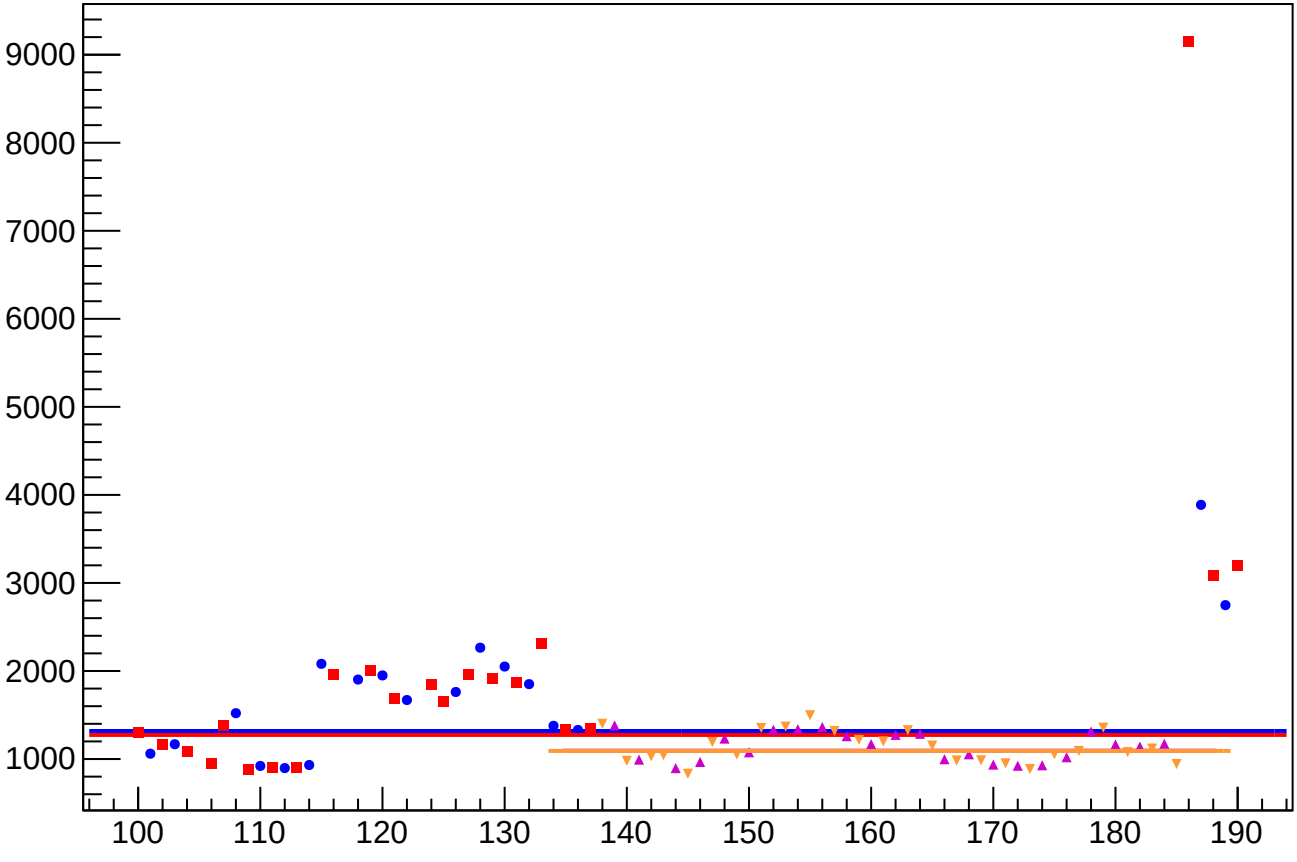
In: 142.118+/-0.020 χ^2/NDF:1303777.6/40

Out: 141.804+/-0.019 χ^2/NDF:2093037.1/46

All: 141.955+/-0.014 χ^2/NDF: 3396942.8/87


asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -219.294+/-496.409 χ²/NDF: 21.8/17
Left Out: -1225.031+/-251.767 χ²/NDF:59.3/24
Right Out: 1025.326+/-462.441 χ²/NDF: 16.5/21
Left In: 193.808+/-258.922 χ²/NDF:23.3/22
Left: -535.485+/-180.503 χ²/NDF: 98.0/47
Right: 447.053+/-338.367 χ²/NDF: 41.7/39
In: 105.458+/-229.570 χ²/NDF:45.7/40
Out: -710.518+/-221.120 χ²/NDF:94.0/46
All: -317.823+/-159.259 χ²/NDF: 146.2/87

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1318.247+/-0.351 χ^2/NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1273.690+/-0.327 χ^2/NDF: 2914577.4/21

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

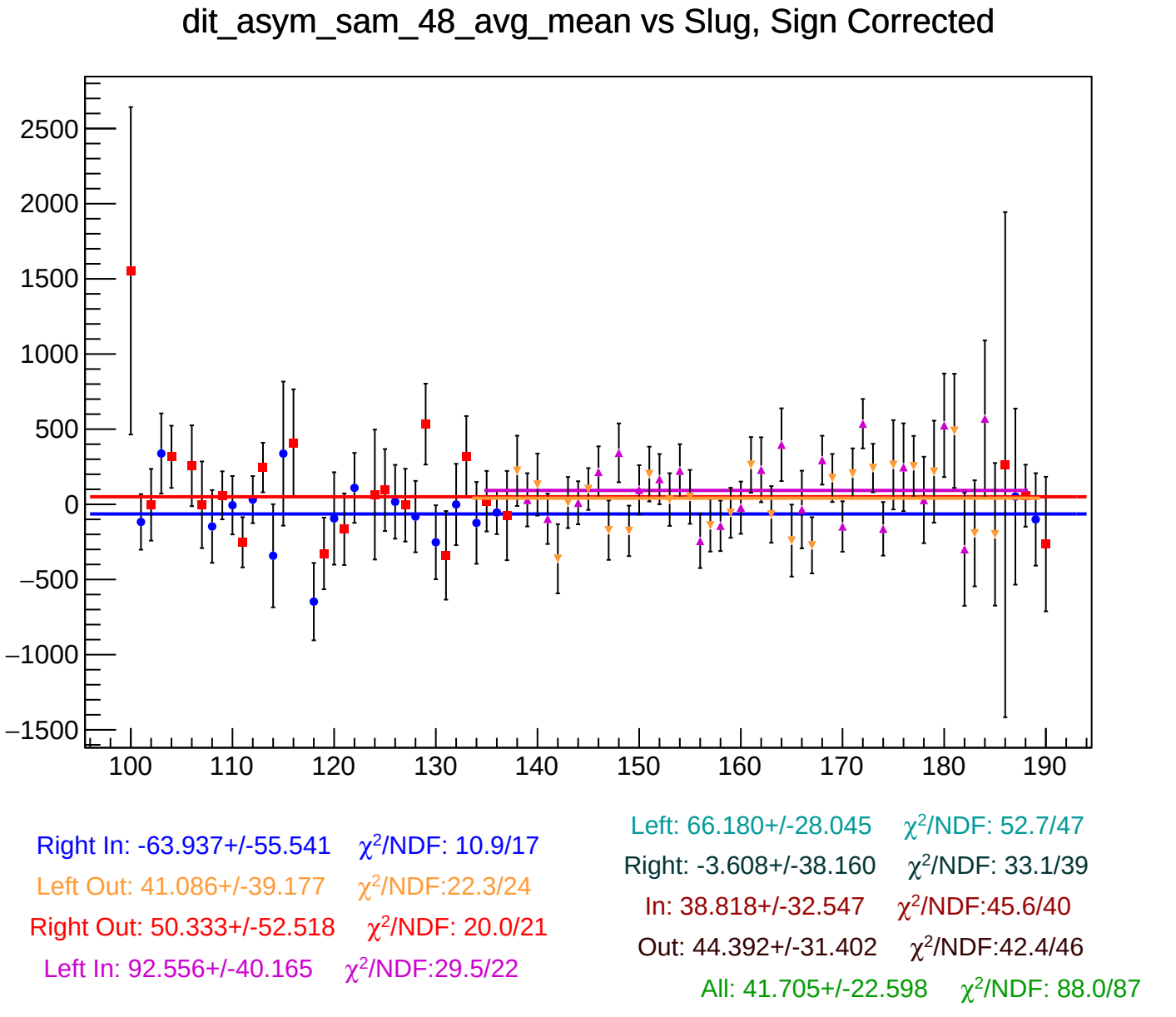
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

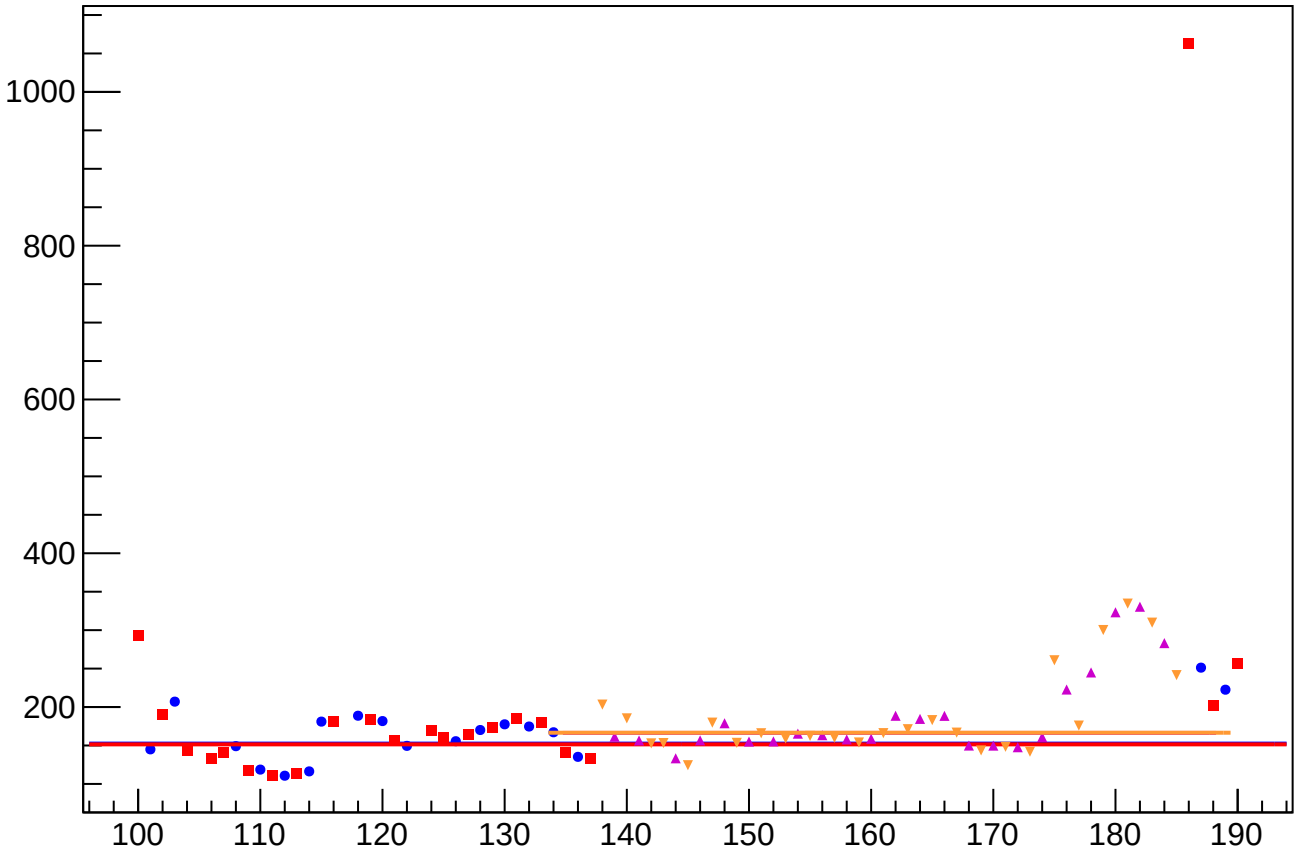
Right: 1294.392+/-0.239 χ^2/NDF: 4545361.9/39

In: 1142.336+/-0.162 χ^2/NDF:2674610.8/40

Out: 1133.525+/-0.156 χ^2/NDF:4045217.2/46

All: 1137.765+/-0.113 χ^2/NDF: 6721356.3/87


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: -63.937+/-55.541 χ²/NDF: 10.9/17
Left Out: 41.086+/-39.177 χ²/NDF:22.3/24
Right Out: 50.333+/-52.518 χ²/NDF: 20.0/21
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.180+/-28.045 χ²/NDF: 52.7/47
Right: -3.608+/-38.160 χ²/NDF: 33.1/39
In: 38.818+/-32.547 χ²/NDF:45.6/40
Out: 44.392+/-31.402 χ²/NDF:42.4/46
All: 41.705+/-22.598 χ²/NDF: 88.0/87



Right In: 152.443+/-0.039 χ^2/NDF: 618642.9/17

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 151.458+/-0.037 χ^2/NDF: 1365824.8/21

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

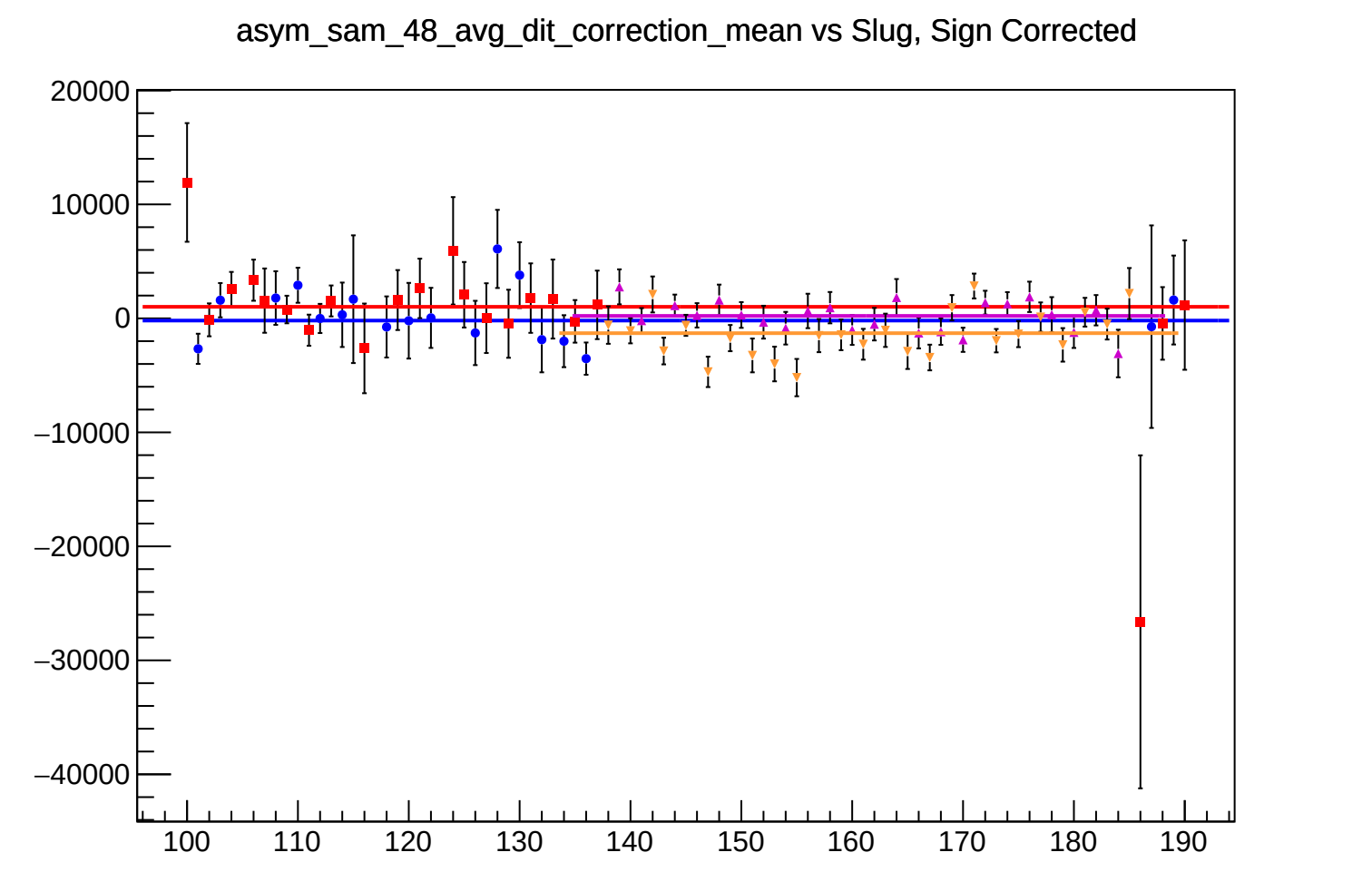
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 151.923+/-0.027 χ^2/NDF: 1984799.5/39

In: 161.547+/-0.023 χ^2/NDF:2092951.0/40

Out: 161.186+/-0.022 χ^2/NDF:3192454.0/46

All: 161.360+/-0.016 χ^2/NDF: 5285532.7/87



Right In: -192.644+/-501.193 χ^2/NDF: 22.1/17

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1014.414+/-465.873 χ^2/NDF: 17.4/21

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

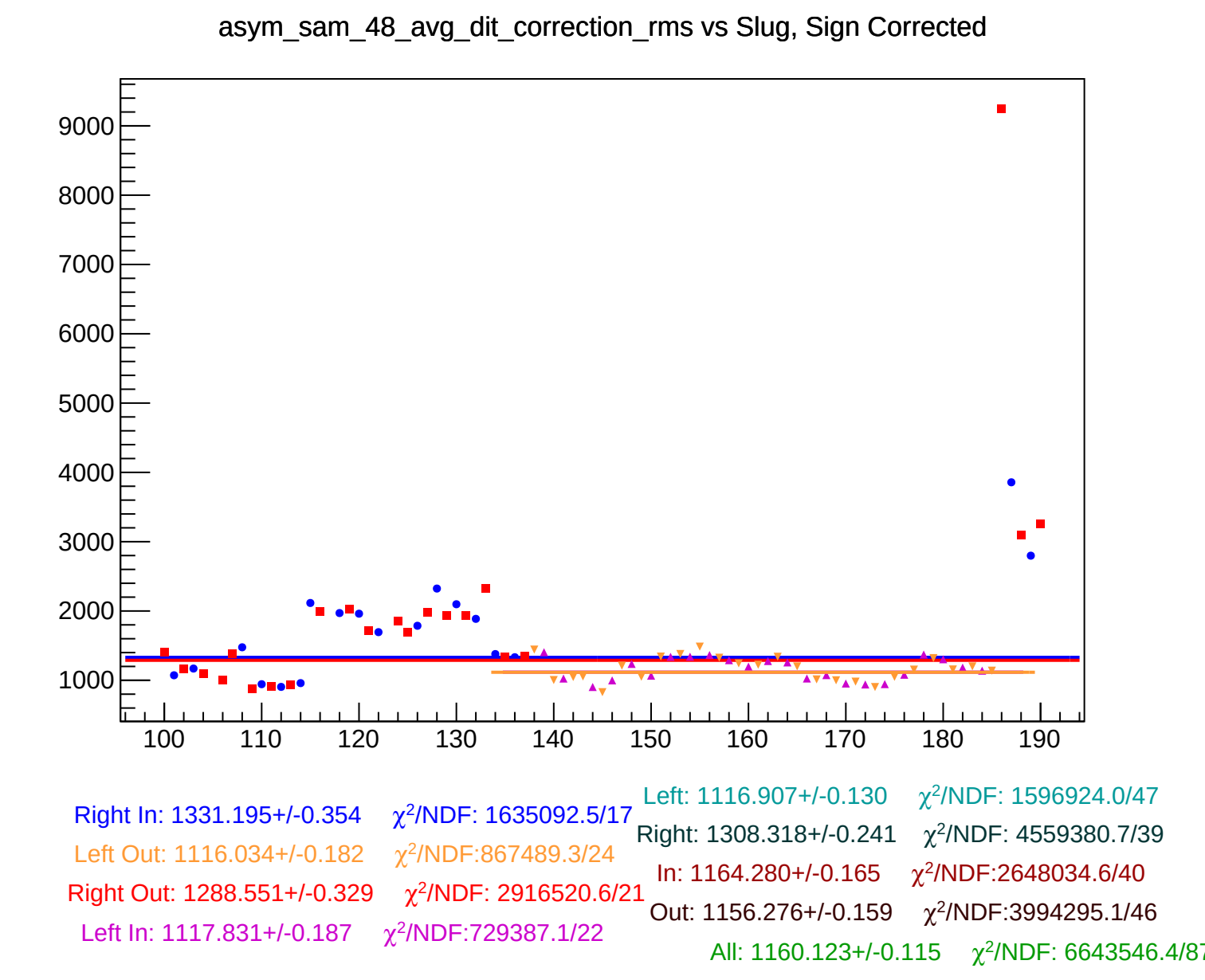
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

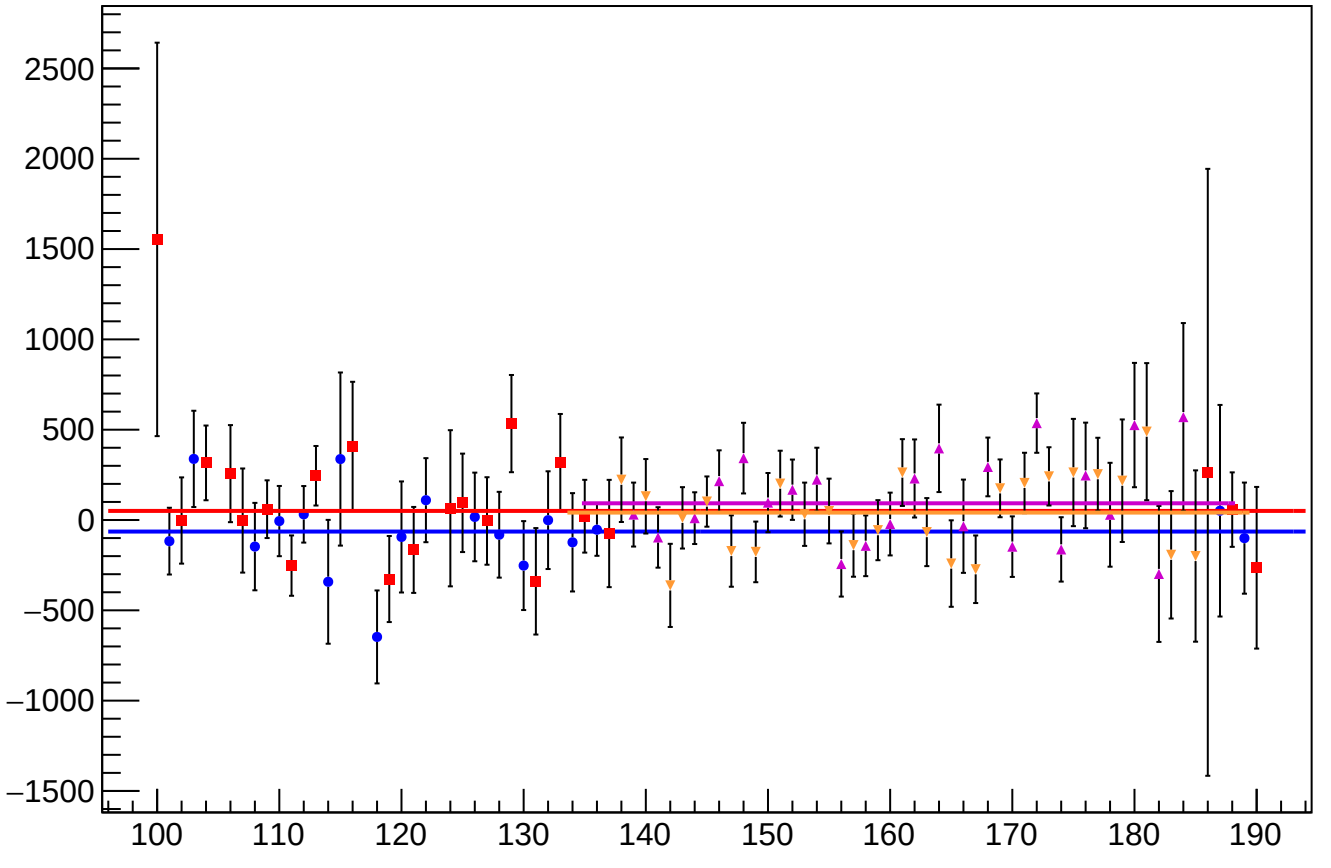
Right: 454.913+/-341.226 χ^2/NDF: 42.6/39

In: 128.045+/-233.846 χ^2/NDF:44.8/40

Out: -758.853+/-225.004 χ^2/NDF:91.4/46

All: -332.487+/-162.138 χ^2/NDF: 143.7/87


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1331.195+/-0.354 χ²/NDF: 1635092.5/17
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1288.551+/-0.329 χ²/NDF: 2916520.6/21
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1308.318+/-0.241 χ²/NDF: 4559380.7/39
In: 1164.280+/-0.165 χ²/NDF:2648034.6/40
Out: 1156.276+/-0.159 χ²/NDF:3994295.1/46
All: 1160.123+/-0.115 χ²/NDF: 6643546.4/87



Right In: -63.934+/-55.541 χ^2/NDF: 10.9/17

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 50.334+/-52.518 χ^2/NDF: 20.0/21

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

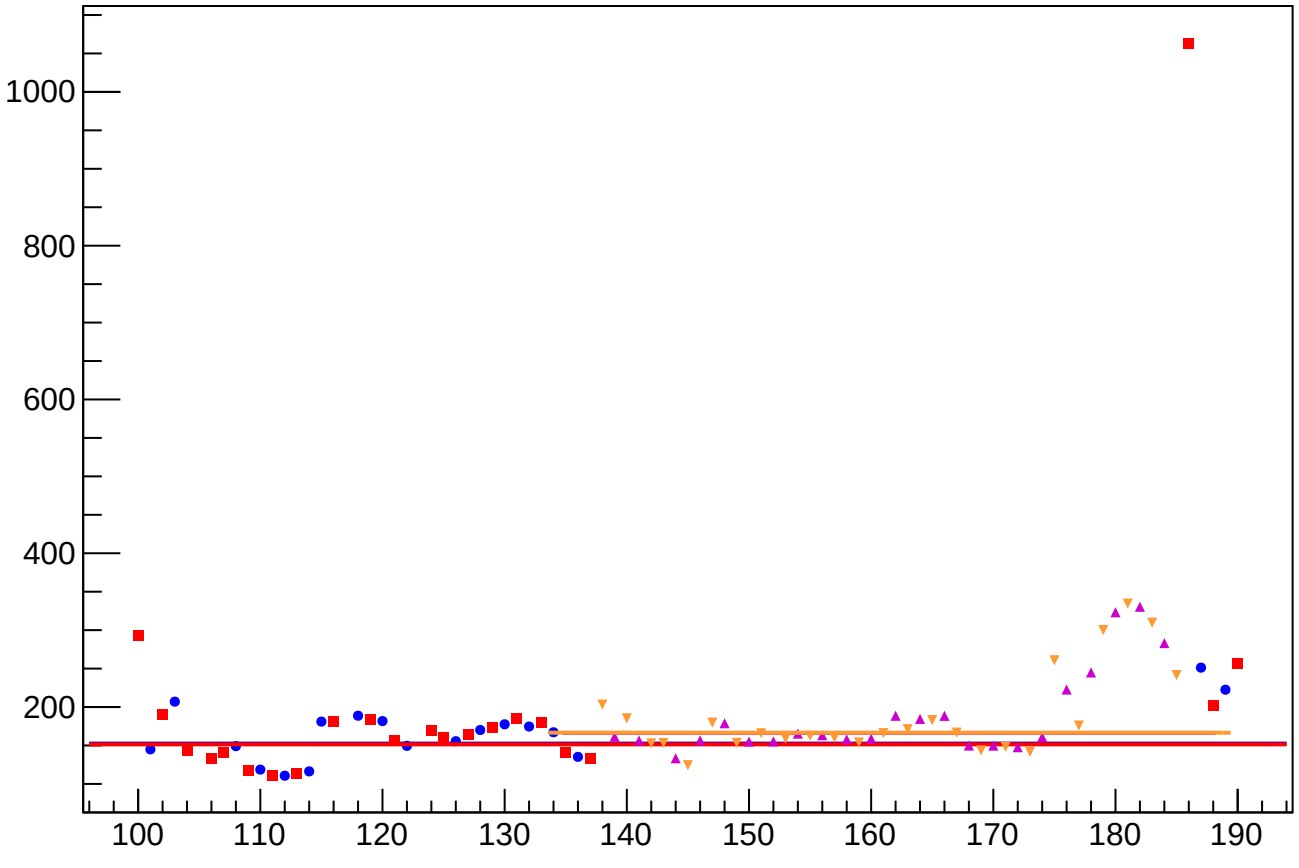
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -3.606+/-38.160 χ^2/NDF: 33.1/39

In: 38.819+/-32.547 χ^2/NDF:45.6/40

Out: 44.394+/-31.402 χ^2/NDF:42.4/46

All: 41.706+/-22.598 χ^2/NDF: 88.0/87



Right In: 152.443+/-0.039 χ^2/NDF: 618642.1/17

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 151.458+/-0.037 χ^2/NDF: 1365828.2/21

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

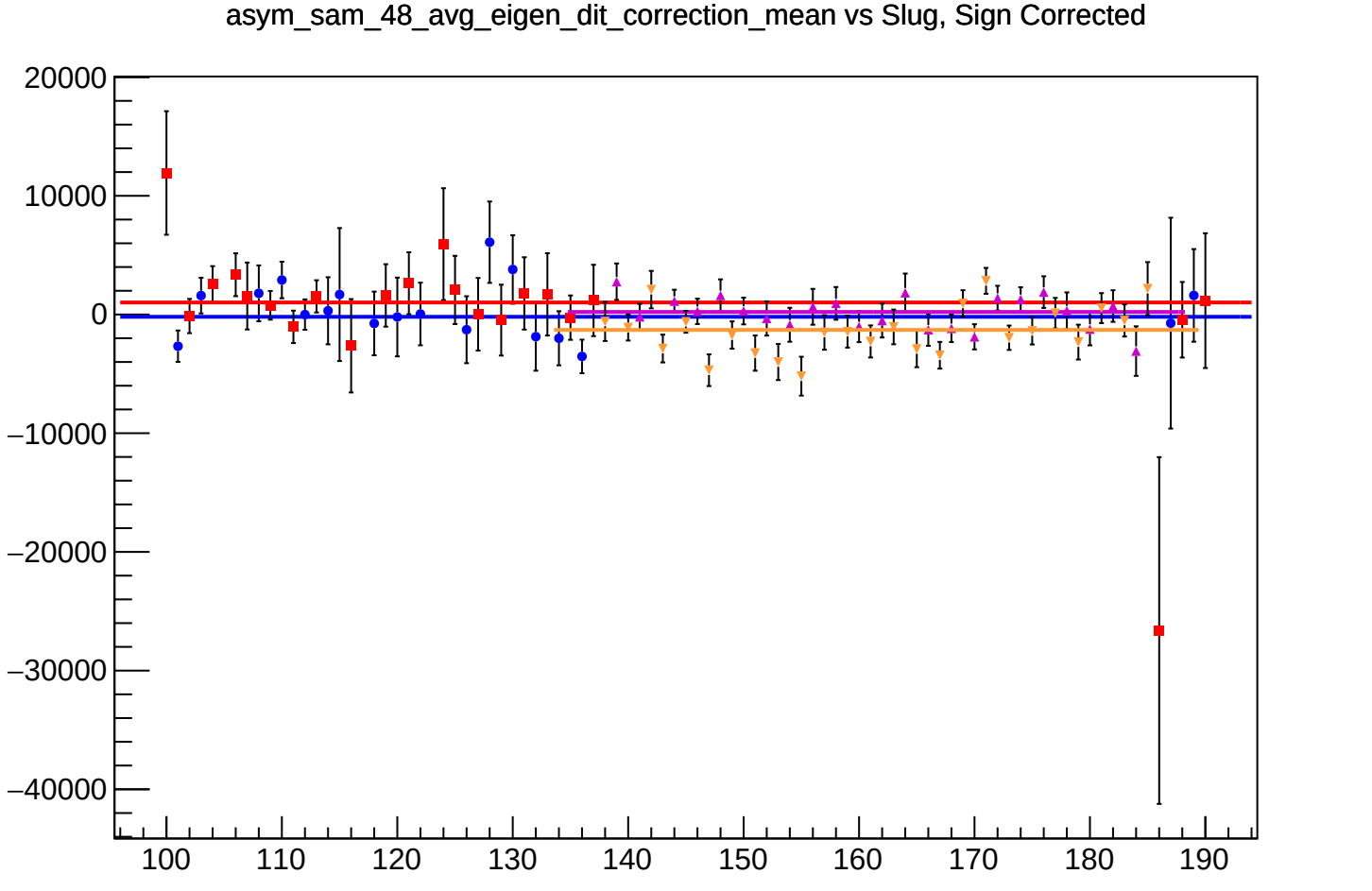
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 151.923+/-0.027 χ^2/NDF: 1984802.1/39

In: 161.547+/-0.023 χ^2/NDF:2092933.0/40

Out: 161.186+/-0.022 χ^2/NDF:3192455.4/46

All: 161.360+/-0.016 χ^2/NDF: 5285516.1/87



Right In: -192.643+/-501.193 χ^2/NDF: 22.1/17

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1014.413+/-465.872 χ^2/NDF: 17.4/21

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

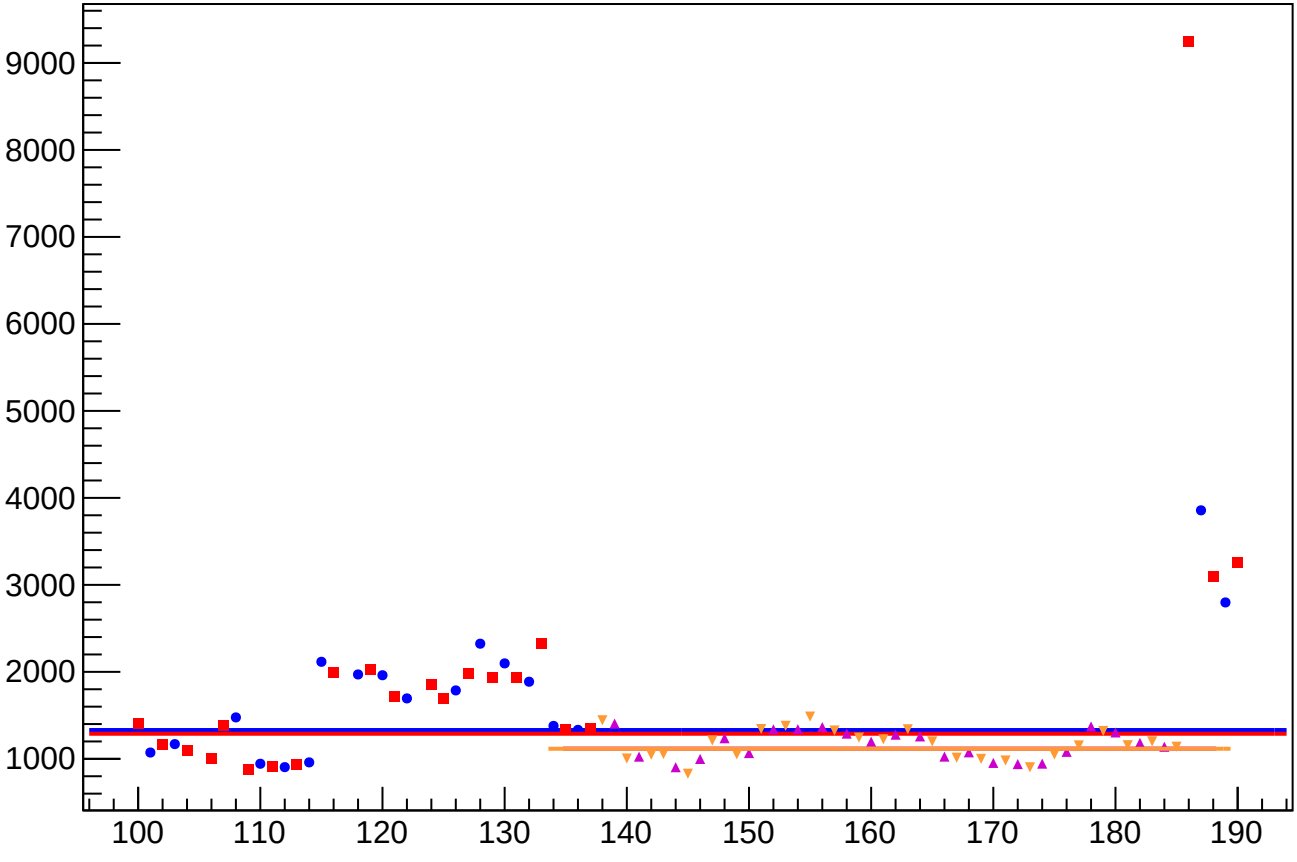
Right: 454.912+/-341.225 χ^2/NDF: 42.6/39

In: 128.044+/-233.846 χ^2/NDF:44.8/40

Out: -758.852+/-225.004 χ^2/NDF:91.4/46

All: -332.487+/-162.137 χ^2/NDF: 143.7/87

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1331.194+/-0.354 χ^2/NDF: 1635096.0/17

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1288.550+/-0.329 χ^2/NDF: 2916521.6/21

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

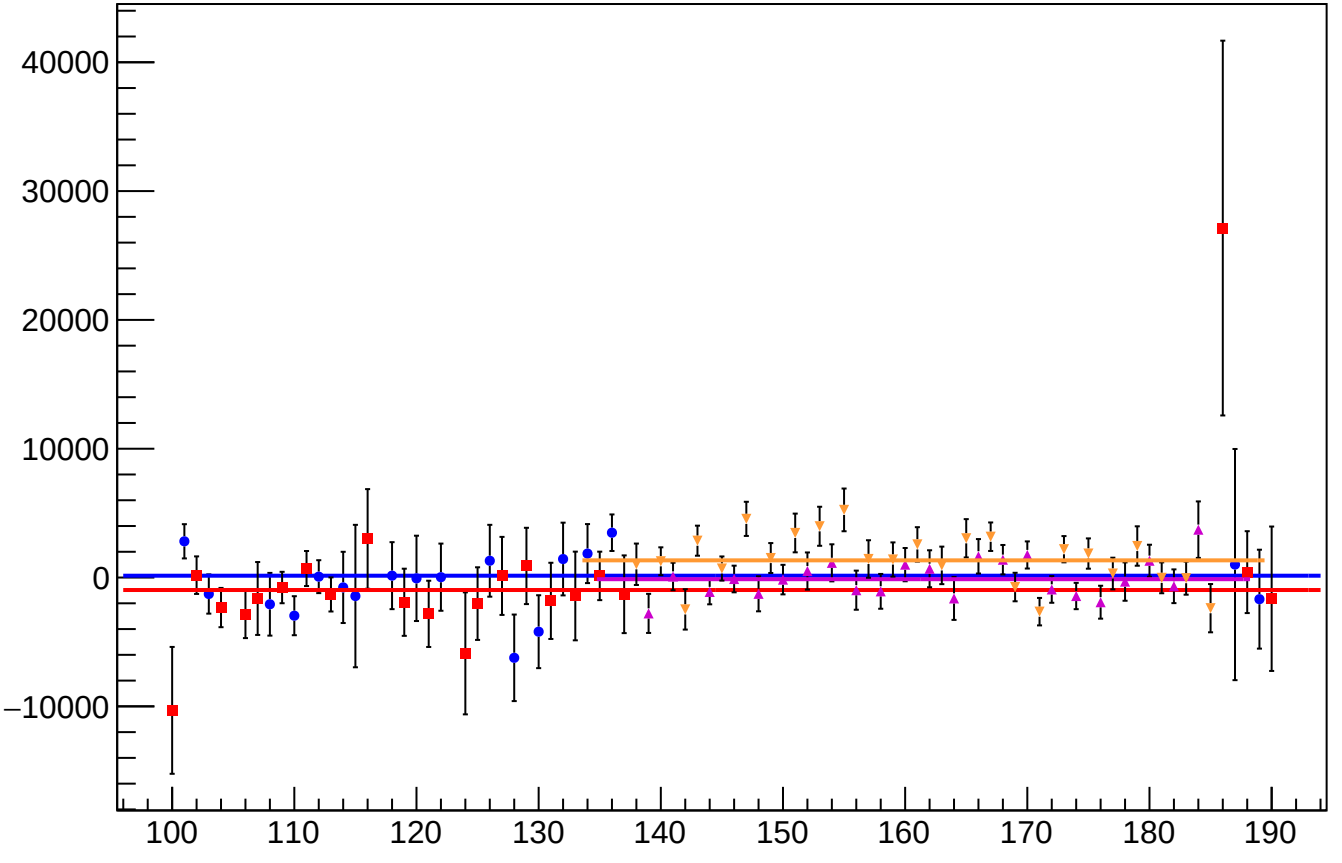
Right: 1308.316+/-0.241 χ^2/NDF: 4559385.1/39

In: 1164.278+/-0.165 χ^2/NDF:2648038.8/40

Out: 1156.274+/-0.159 χ^2/NDF:3994300.1/46

All: 1160.122+/-0.115 χ^2/NDF: 6643555.6/87

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 142.272+/-500.042 χ^2/NDF: 22.8/17

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -968.313+/-465.039 χ^2/NDF: 15.5/21

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

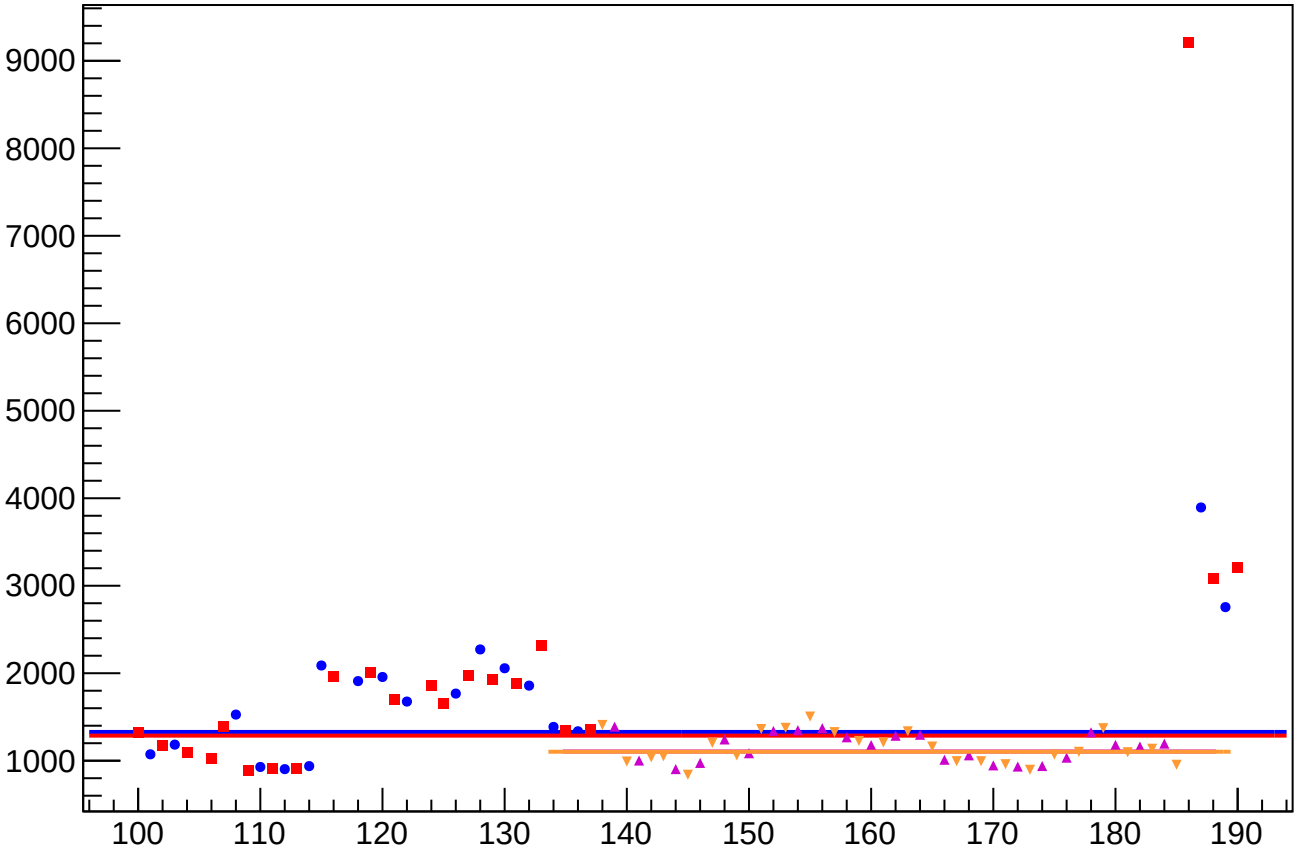
Right: -453.248+/-340.535 χ^2/NDF: 41.0/39

In: -70.277+/-231.667 χ^2/NDF:47.0/40

Out: 804.925+/-223.043 χ^2/NDF:90.1/46

All: 383.918+/-160.678 χ^2/NDF: 144.5/87

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1328.811+/-0.354 χ^2/NDF: 1602283.5/17

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1286.530+/-0.329 χ^2/NDF: 2874858.8/21

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

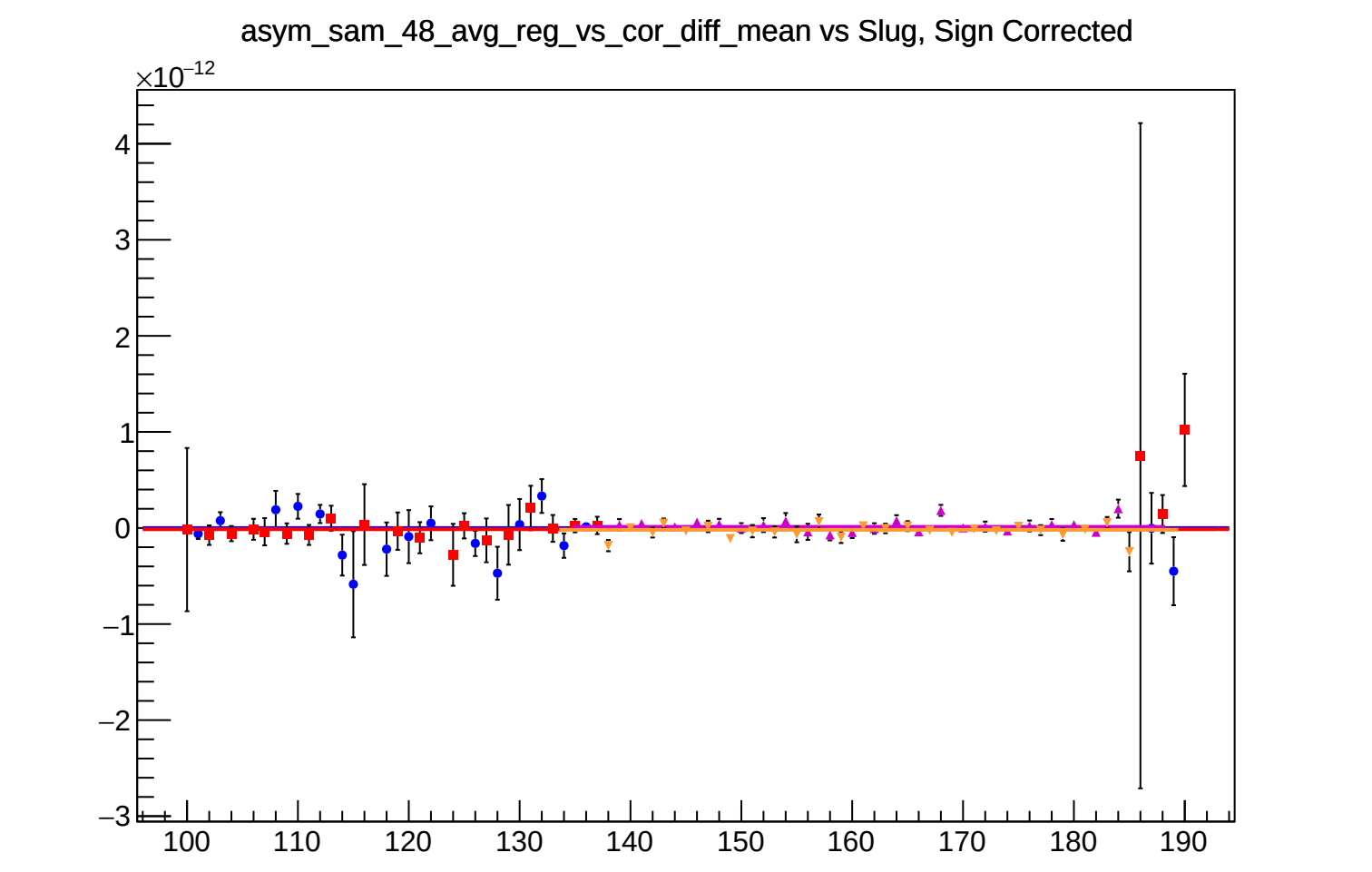
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1306.139+/-0.241 χ^2/NDF: 4484809.5/39

In: 1153.196+/-0.164 χ^2/NDF:2639689.7/40

Out: 1144.988+/-0.158 χ^2/NDF:3995959.8/46

All: 1148.936+/-0.114 χ^2/NDF: 6636952.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 8.6/21

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

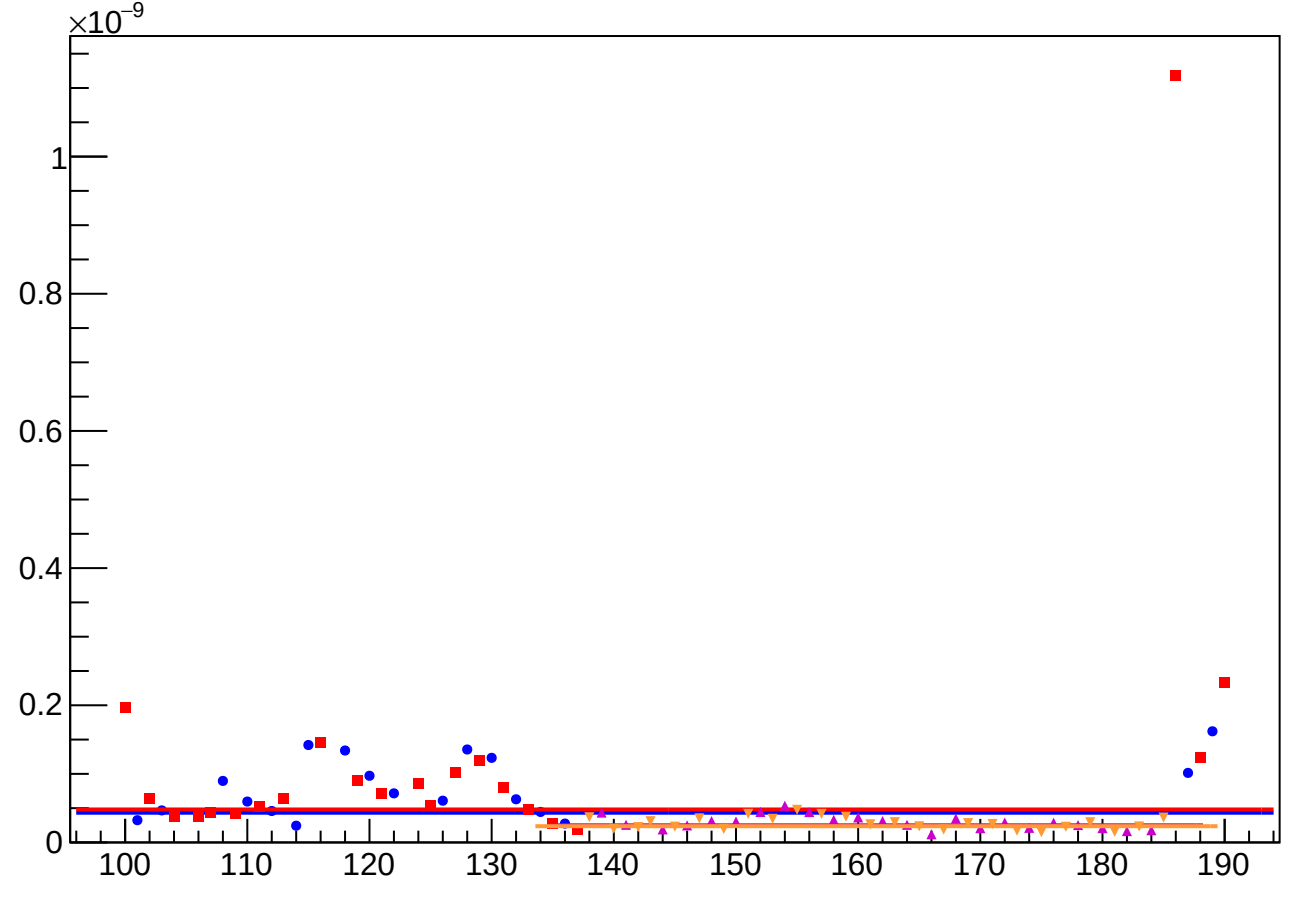
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 32.5/39

In: 0.000+/-0.000 χ^2/NDF:51.1/40

Out: -0.000+/-0.000 χ^2/NDF:35.1/46

All: -0.000+/-0.000 χ^2/NDF: 91.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 1618105.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1810528.8/21

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

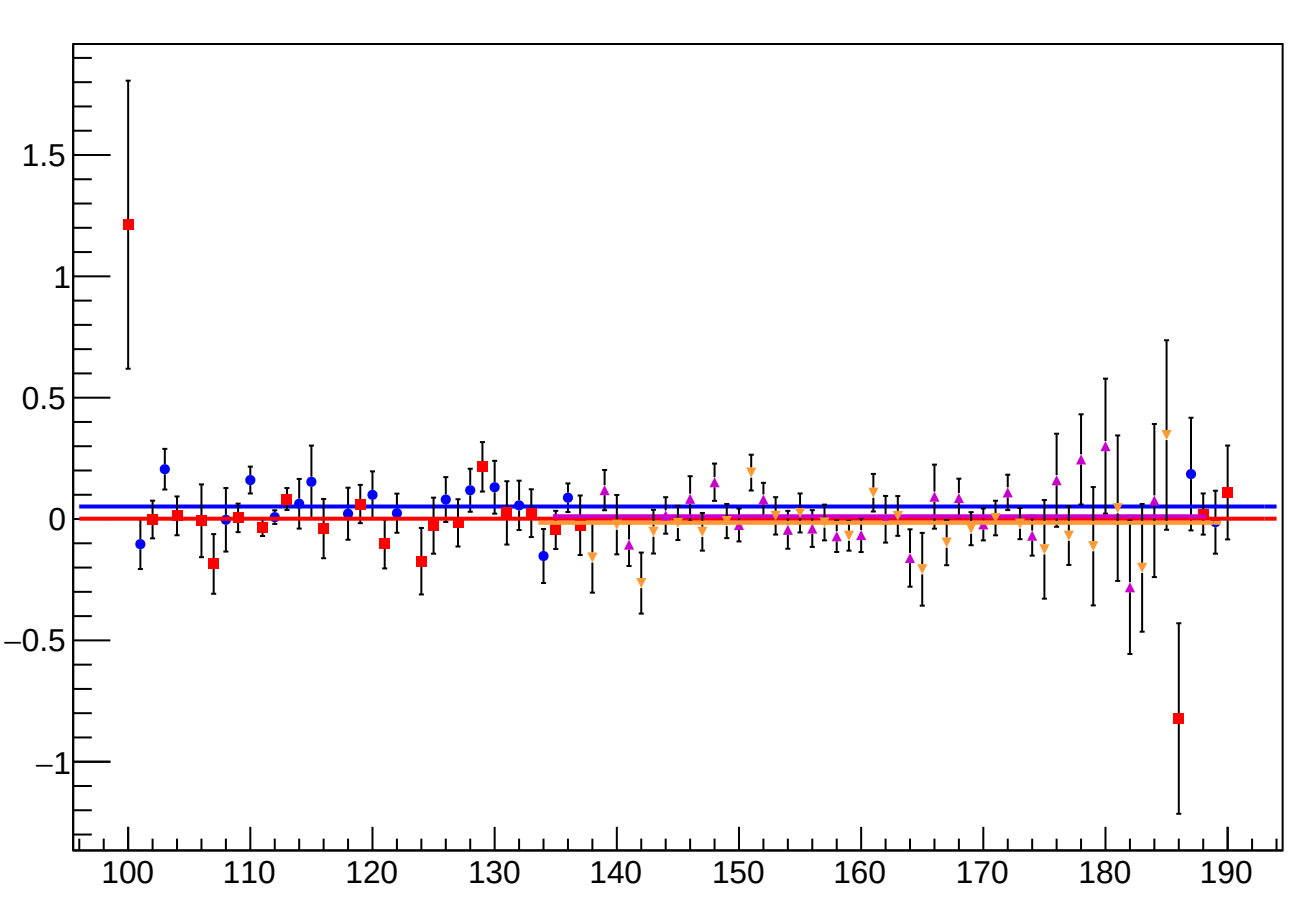
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 3457615.9/39

In: 0.000+/-0.000 χ^2/NDF:3990221.7/40

Out: 0.000+/-0.000 χ^2/NDF:4570233.5/46

All: 0.000+/-0.000 χ^2/NDF: 8583521.4/87



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.017 χ^2/NDF: 24.0/21

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

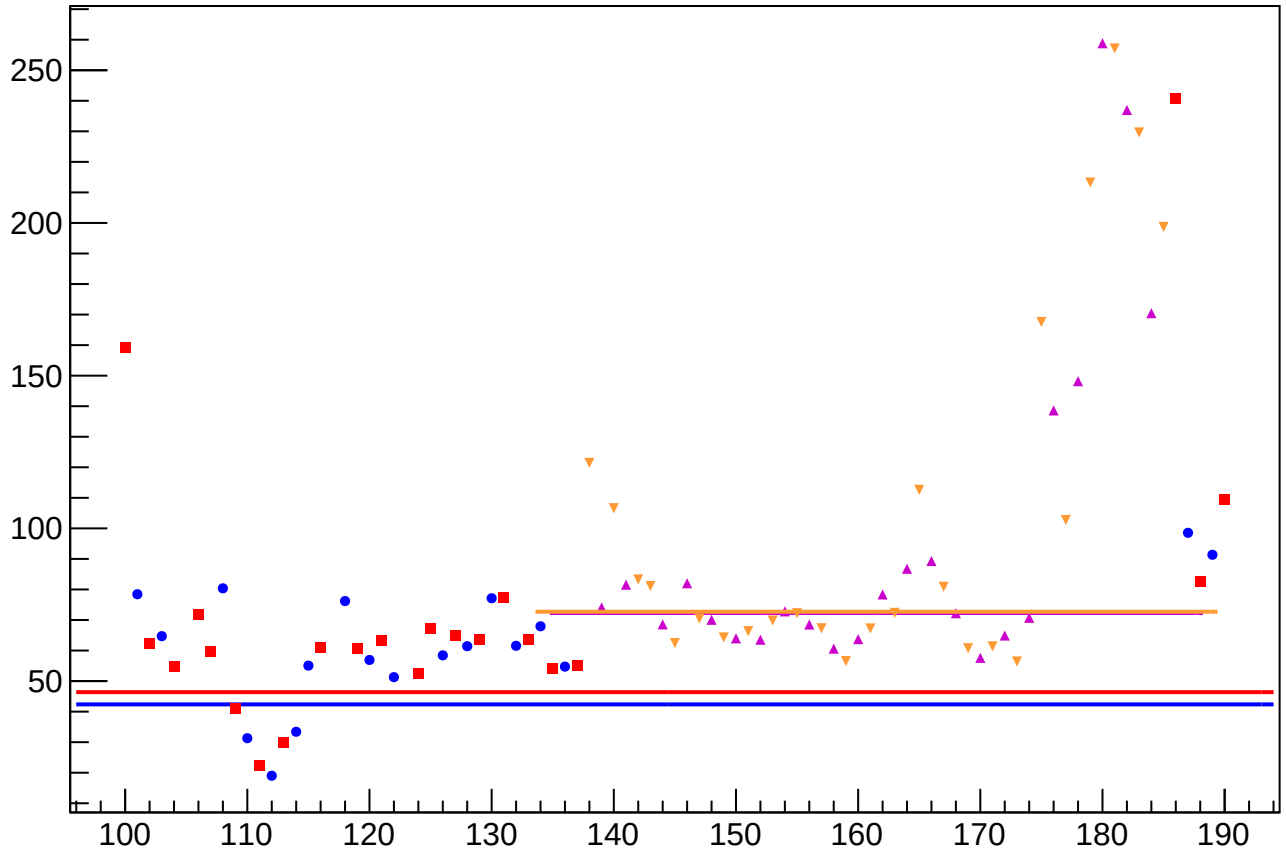
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.7/39

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:46.1/46

All: 0.013+/-0.009 χ^2/NDF: 95.3/87



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 46.379+/-0.012 χ^2/NDF: 3158094.8/21

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

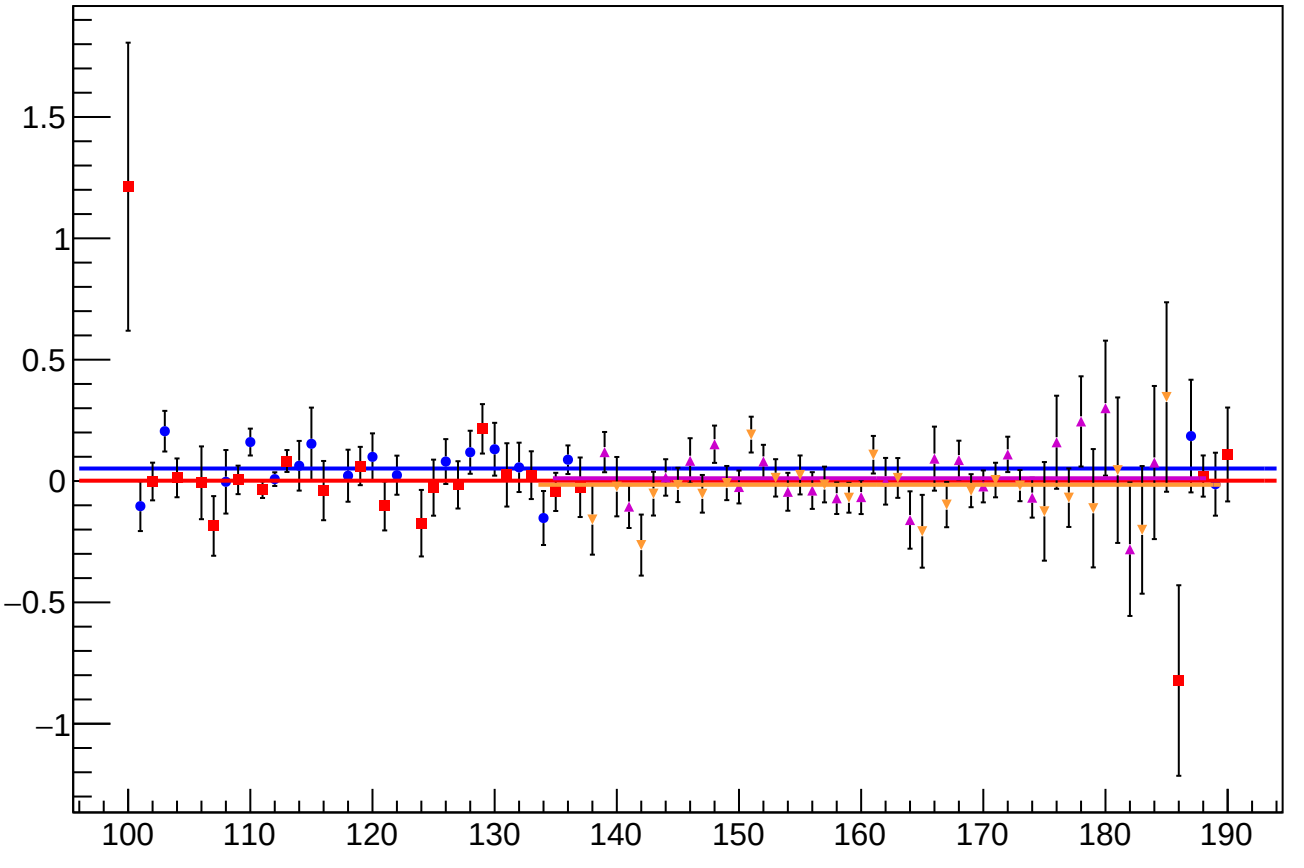
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 44.386+/-0.009 χ^2/NDF: 6548238.8/39

In: 56.751+/-0.009 χ^2/NDF:8920469.9/40

Out: 59.168+/-0.009 χ^2/NDF:9331101.0/46

All: 57.972+/-0.006 χ^2/NDF: 18288461.0/87



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.017 χ^2/NDF: 24.0/21

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

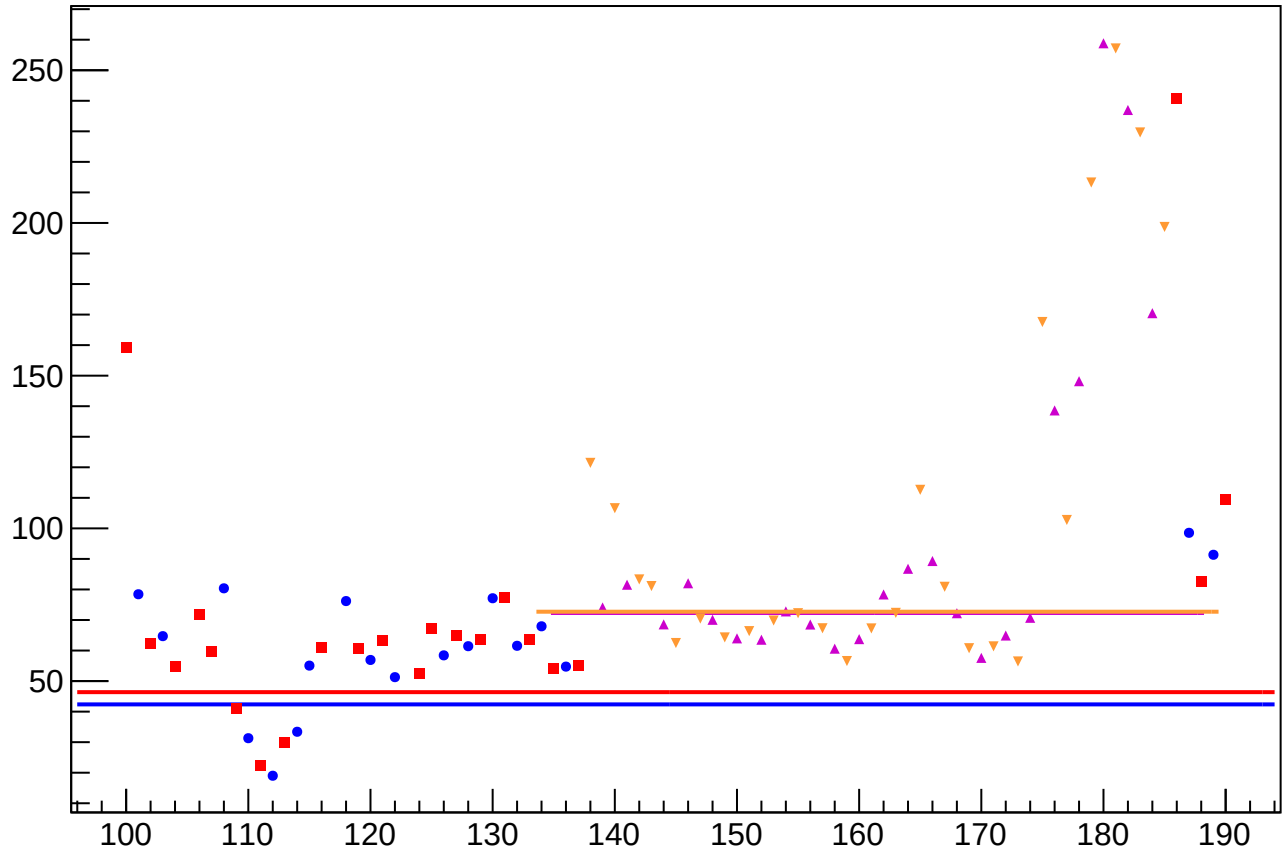
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.7/39

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:46.1/46

All: 0.013+/-0.009 χ^2/NDF: 95.3/87



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 46.379+/-0.012 χ^2/NDF: 3158094.8/21

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

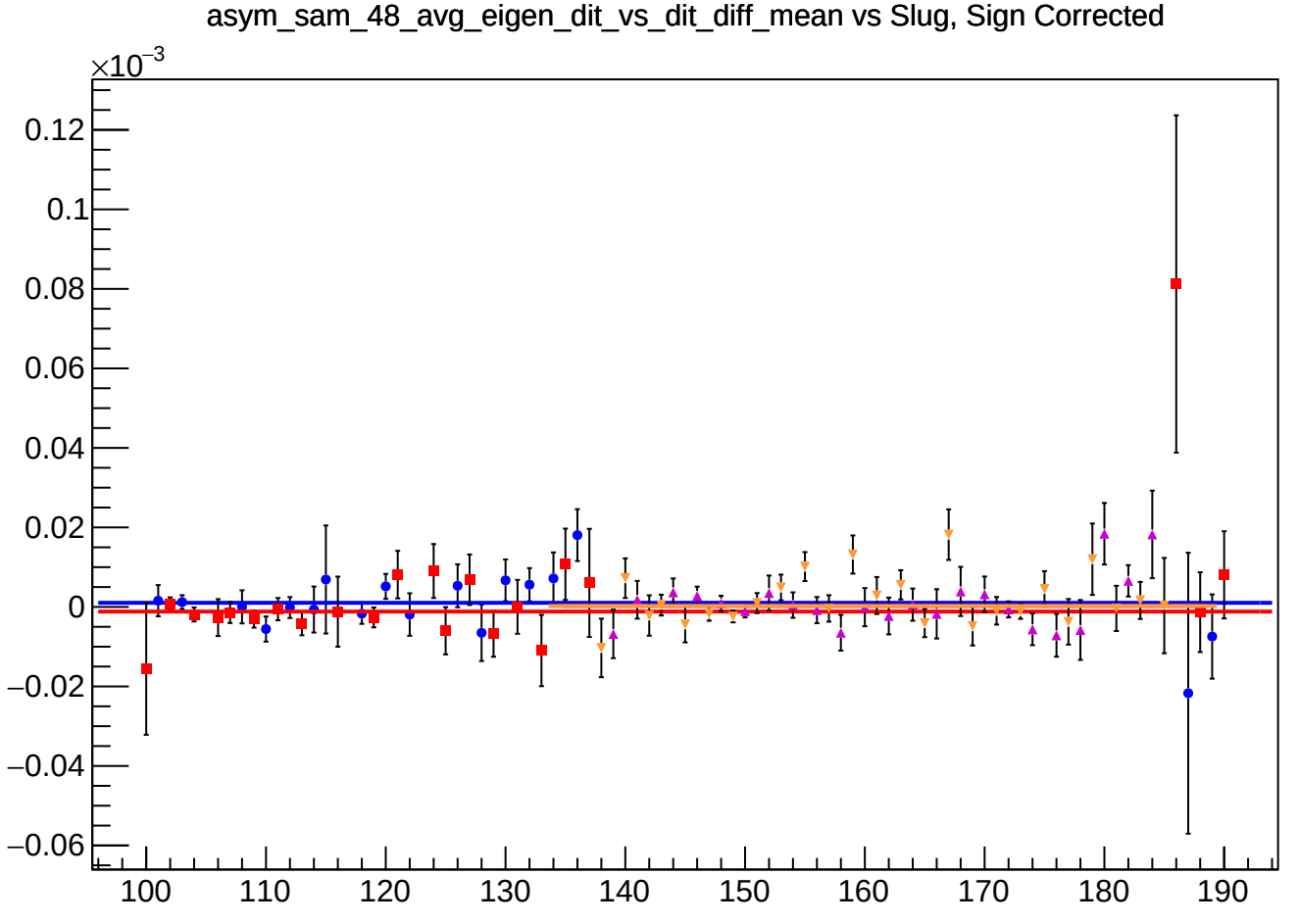
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 44.386+/-0.009 χ^2/NDF: 6548238.8/39

In: 56.751+/-0.009 χ^2/NDF:8920469.9/40

Out: 59.168+/-0.009 χ^2/NDF:9331101.0/46

All: 57.972+/-0.006 χ^2/NDF: 18288461.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/21

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

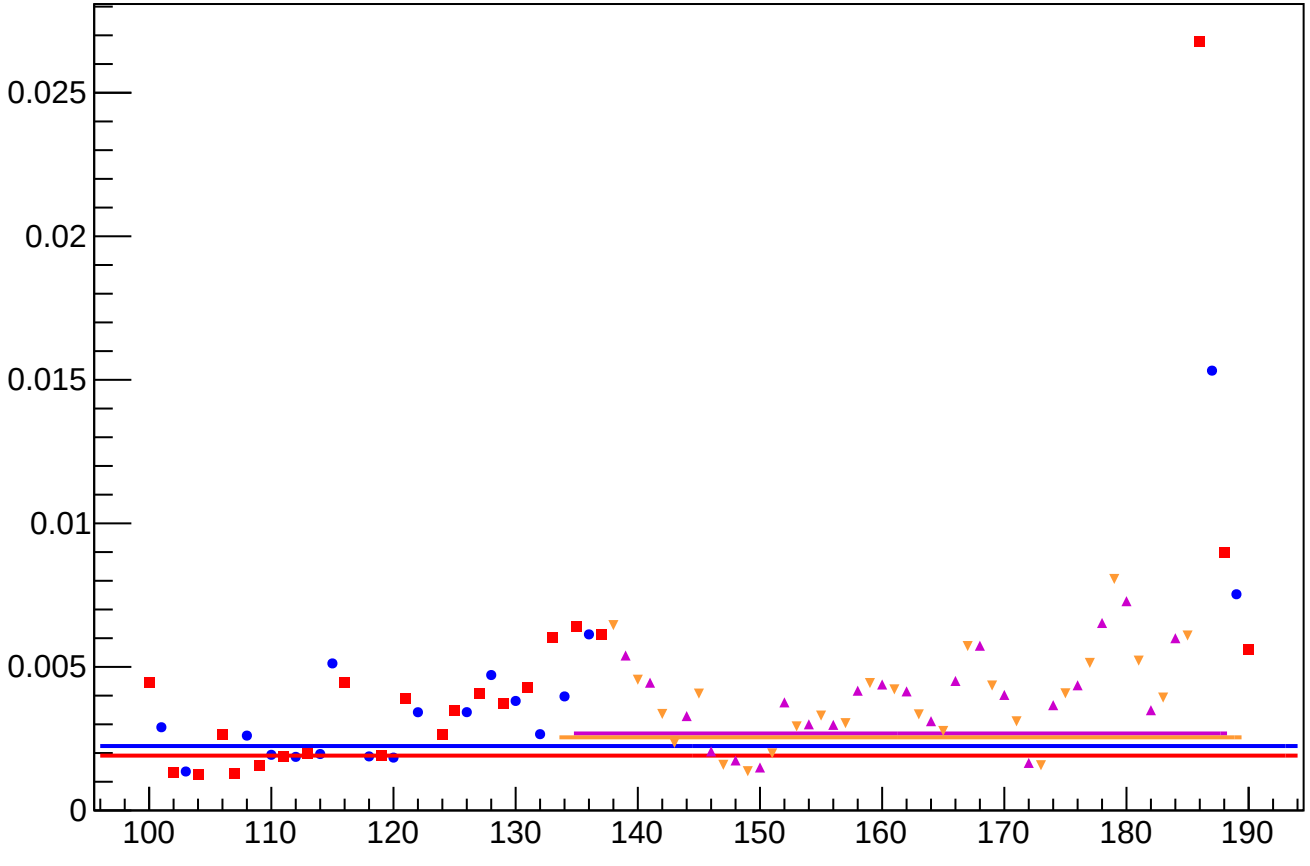
Right: -0.000+/-0.000 χ^2/NDF: 44.9/39

In: 0.000+/-0.000 χ^2/NDF:45.5/40

Out: -0.000+/-0.000 χ^2/NDF:65.8/46

All: 0.000+/-0.000 χ^2/NDF: 112.8/87

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3069835.4/17

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5062938.1/21

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

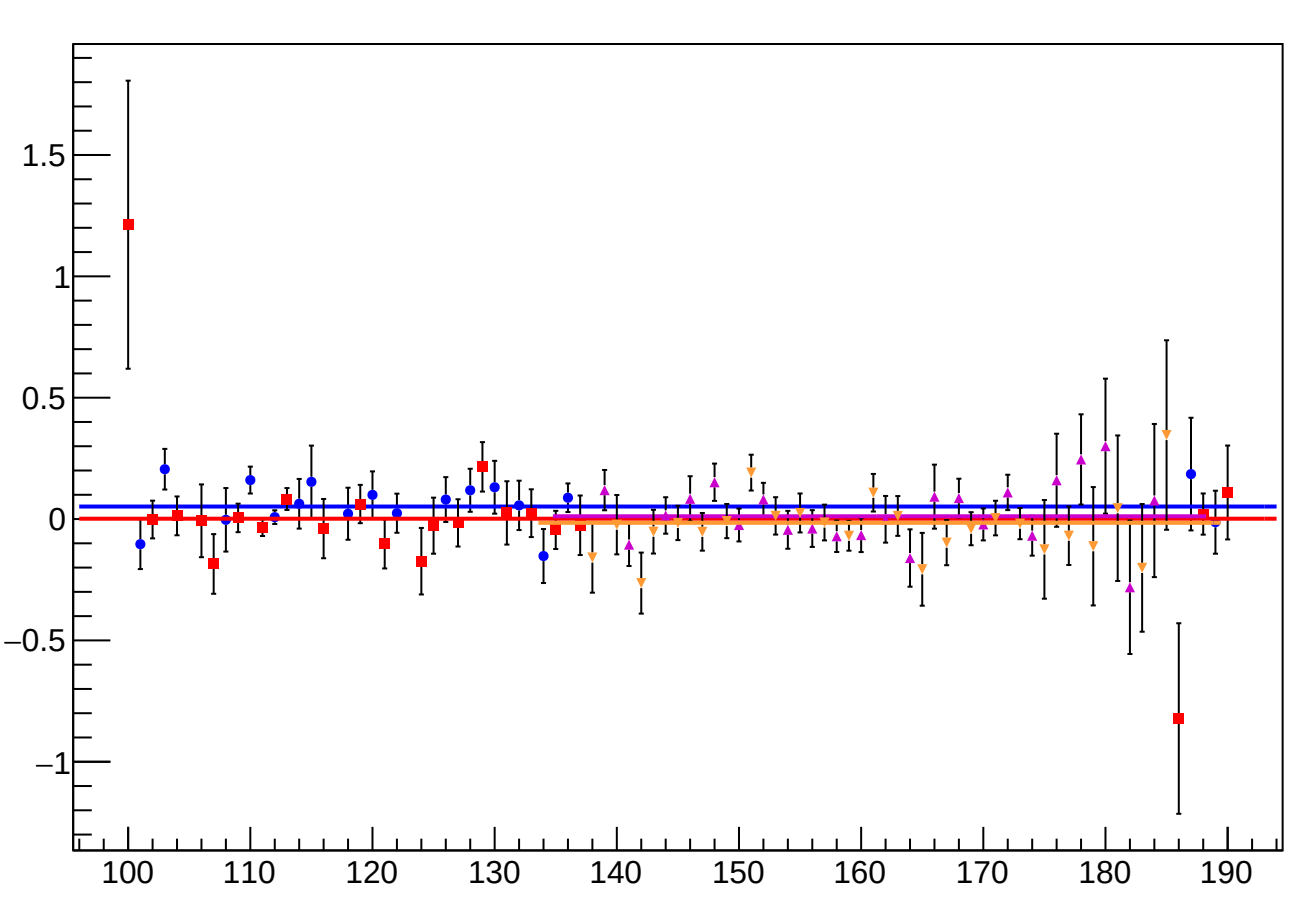
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 8292368.7/39

In: 0.003+/-0.000 χ^2/NDF:9864579.2/40

Out: 0.002+/-0.000 χ^2/NDF:13370275.5/46

All: 0.002+/-0.000 χ^2/NDF: 23441000.7/87



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.017 χ^2/NDF: 24.0/21

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

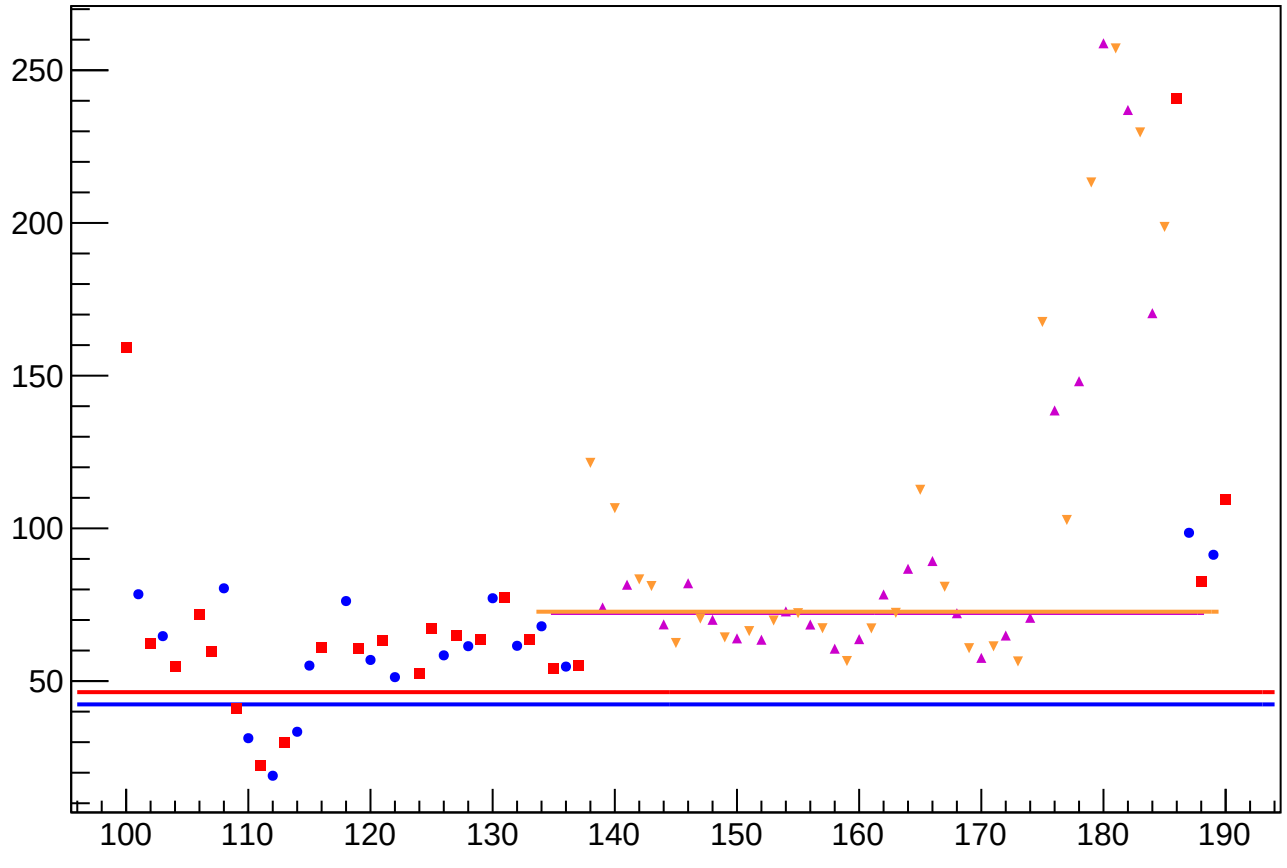
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.7/39

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:46.1/46

All: 0.013+/-0.009 χ^2/NDF: 95.3/87



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 46.378+/-0.012 χ^2/NDF: 3158294.4/21

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

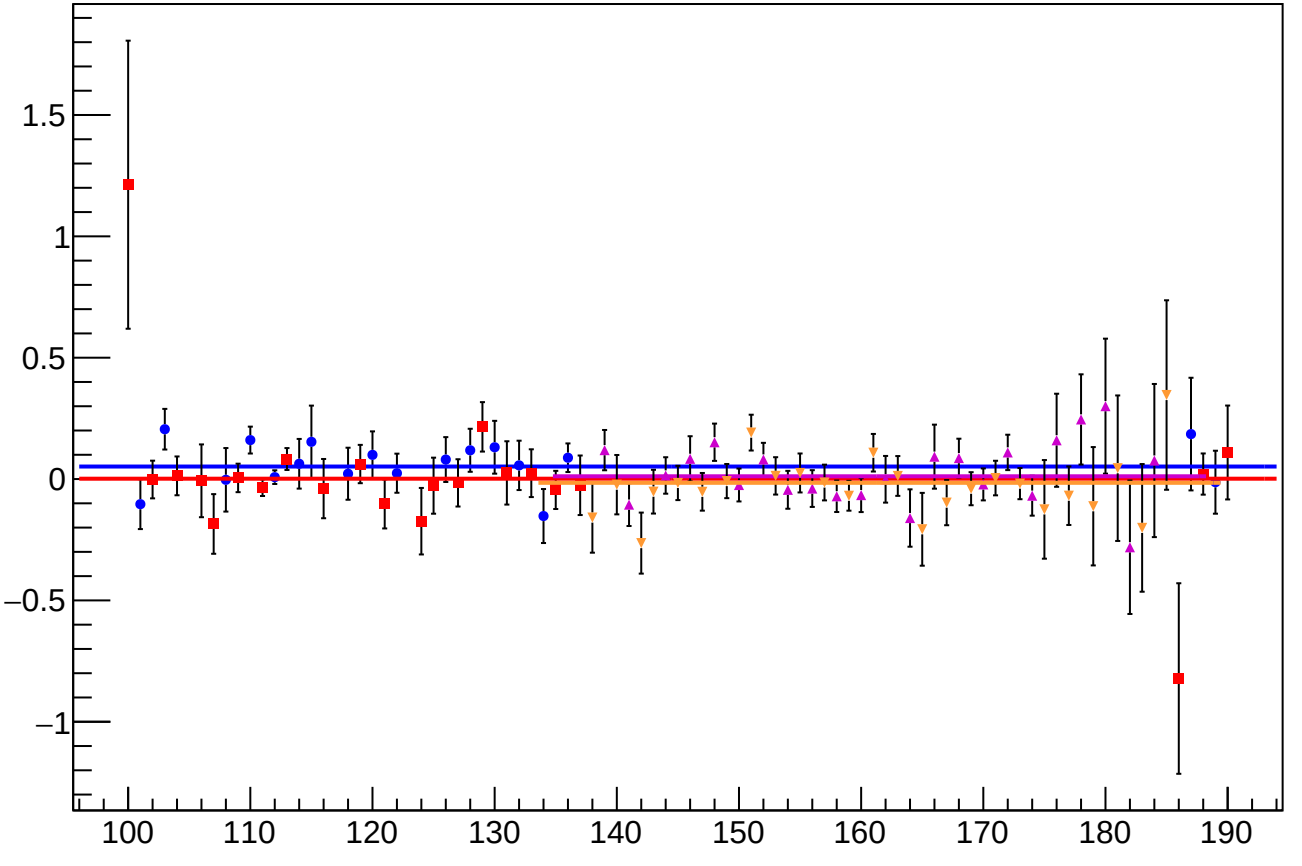
Right: 44.385+/-0.009 χ^2/NDF: 6548599.8/39

In: 56.750+/-0.009 χ^2/NDF:8920866.8/40

Out: 59.167+/-0.009 χ^2/NDF:9331507.5/46

All: 57.972+/-0.006 χ^2/NDF: 18289267.9/87

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.017 χ^2/NDF: 24.0/21

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

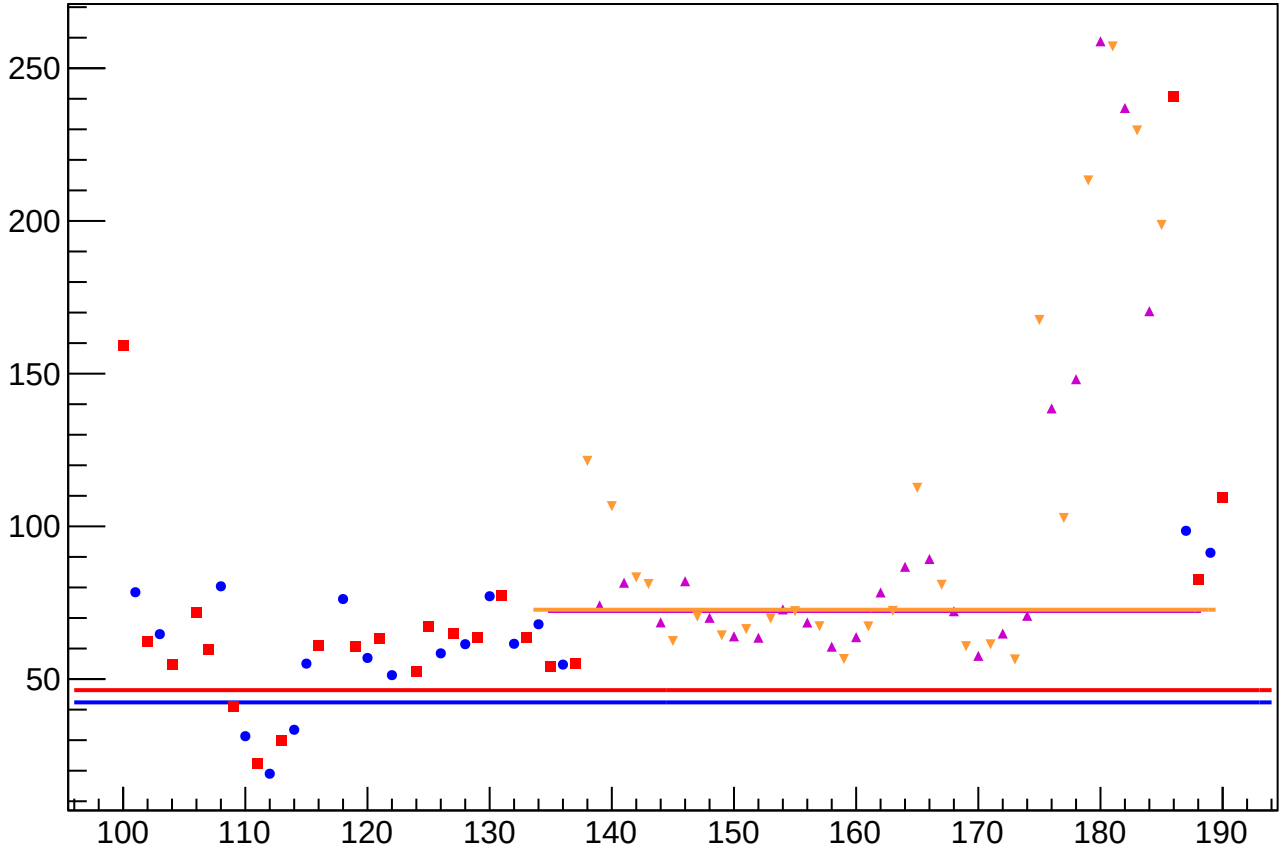
Right: 0.026+/-0.012 χ^2/NDF: 46.7/39

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:46.1/46

All: 0.013+/-0.009 χ^2/NDF: 95.3/87

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 46.378+/-0.012 χ^2/NDF: 3158294.4/21

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

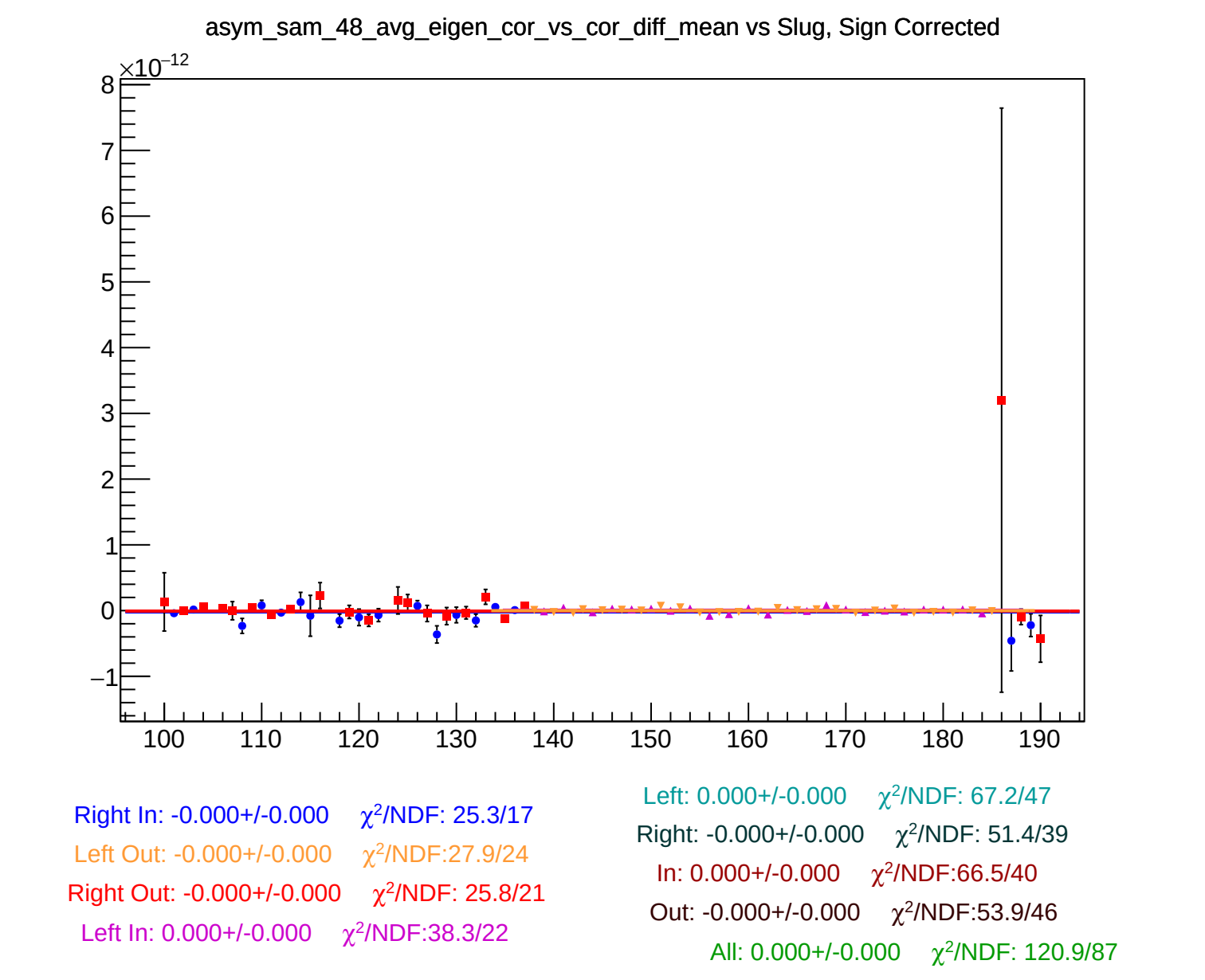
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

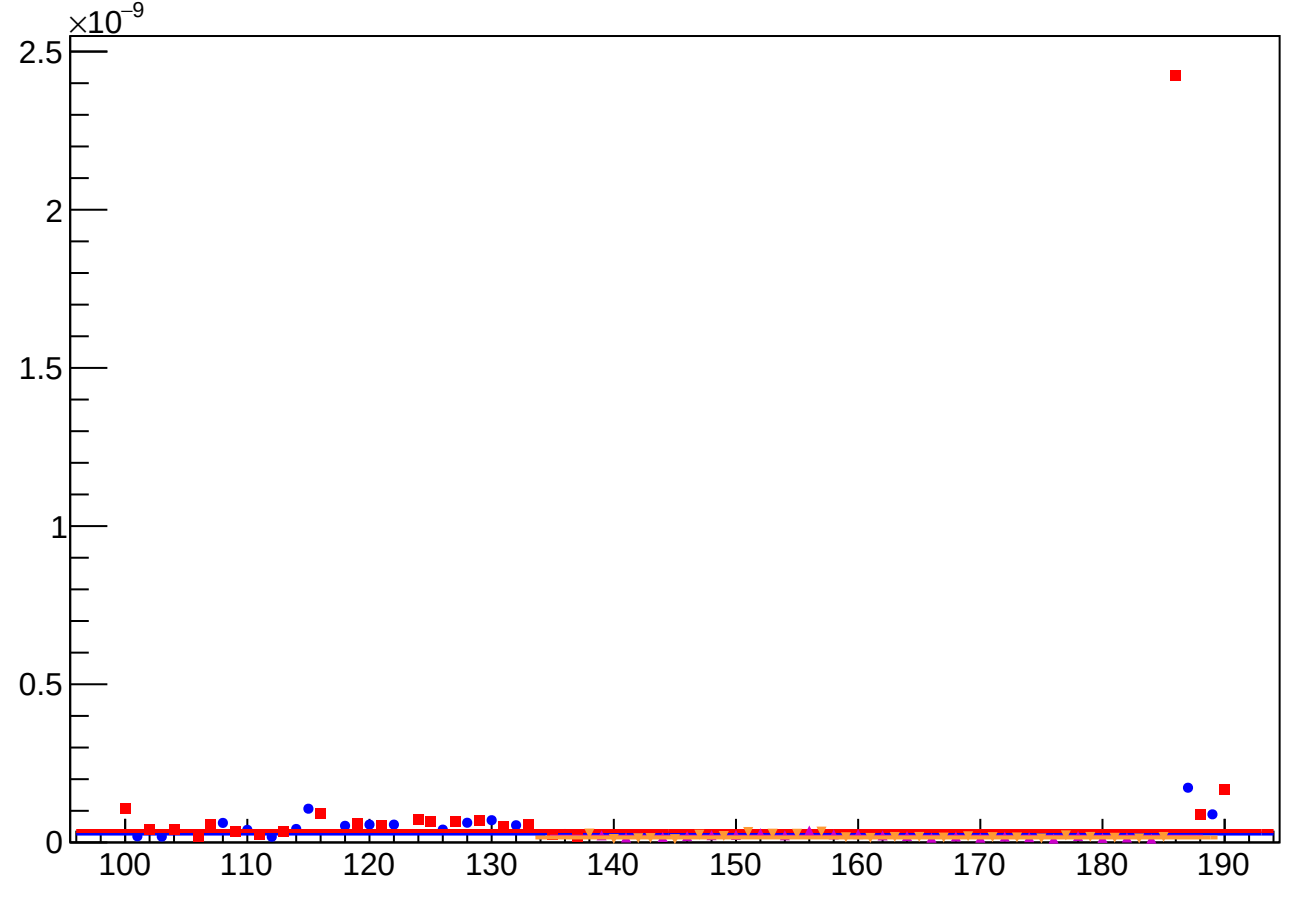
Right: 44.385+/-0.009 χ^2/NDF: 6548599.8/39

In: 56.750+/-0.009 χ^2/NDF:8920866.8/40

Out: 59.167+/-0.009 χ^2/NDF:9331507.5/46

All: 57.972+/-0.006 χ^2/NDF: 18289267.9/87


asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
7
6
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 25.3/17
Left Out: -0.000+/-0.000 χ²/NDF:27.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/21
Left In: 0.000+/-0.000 χ²/NDF:38.3/22
Left: 0.000+/-0.000 χ²/NDF: 67.2/47
Right: -0.000+/-0.000 χ²/NDF: 51.4/39
In: 0.000+/-0.000 χ²/NDF:66.5/40
Out: -0.000+/-0.000 χ²/NDF:53.9/46
All: 0.000+/-0.000 χ²/NDF: 120.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 2247993.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2929238.2/21

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

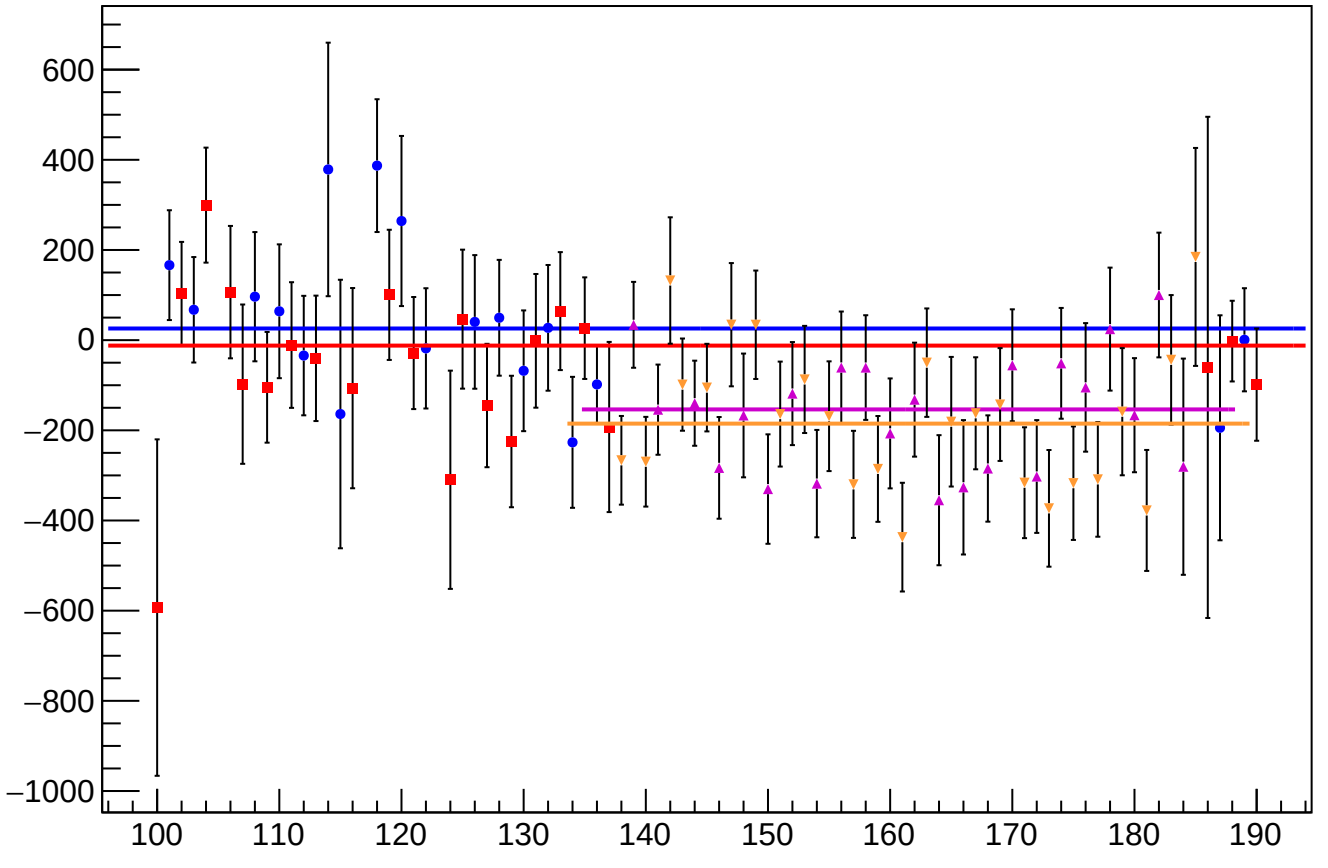
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5453088.6/39

In: 0.000+/-0.000 χ^2/NDF:4708943.0/40

Out: 0.000+/-0.000 χ^2/NDF:8084889.3/46

All: 0.000+/-0.000 χ^2/NDF: 12982633.4/87



Right In: 25.839+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -12.100+/-30.316 χ^2/NDF: 18.3/21

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

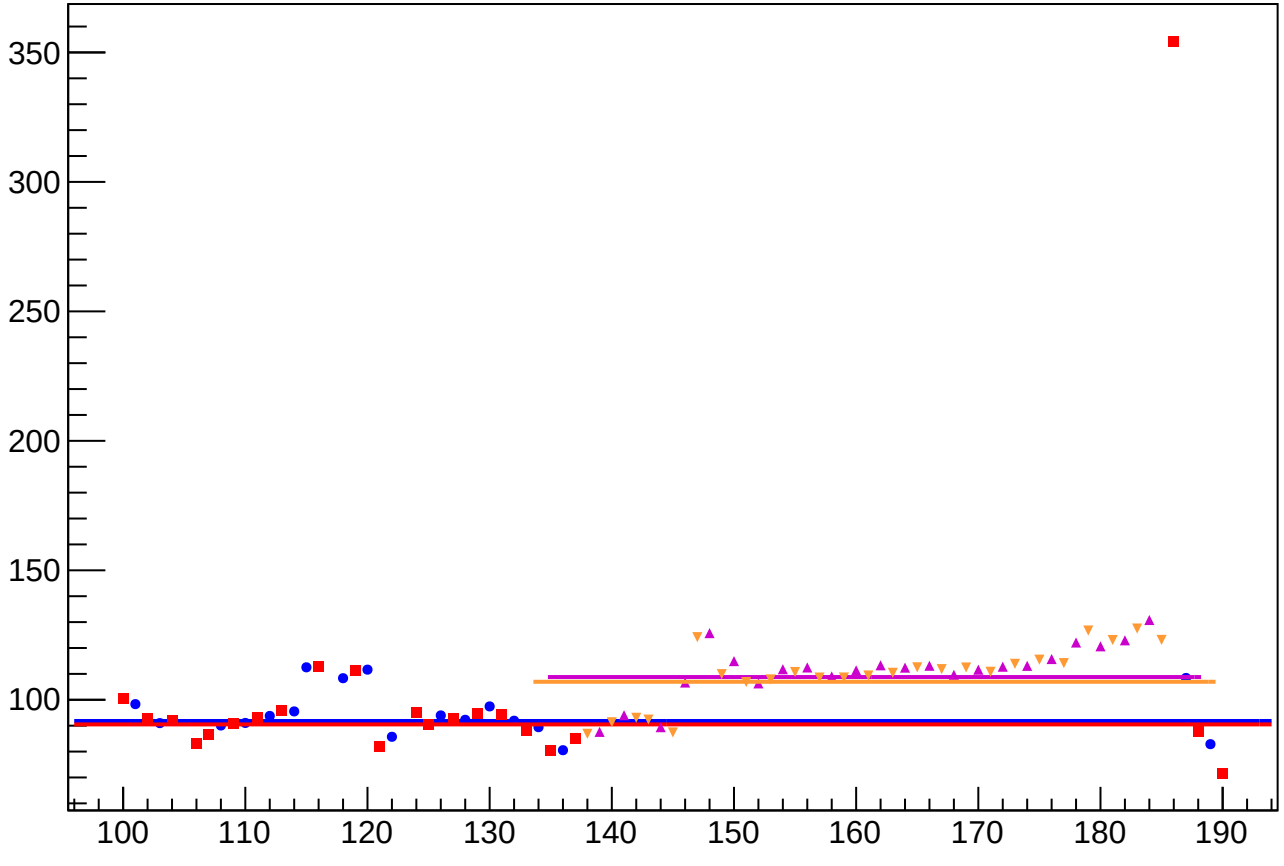
Right: 5.446+/-22.227 χ^2/NDF: 37.2/39

In: -85.592+/-20.123 χ^2/NDF:60.4/40

Out: -116.941+/-19.033 χ^2/NDF:71.1/46

All: -102.139+/-13.828 χ^2/NDF: 132.8/87

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.496+/-0.021 χ^2/NDF: 604700.8/21

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

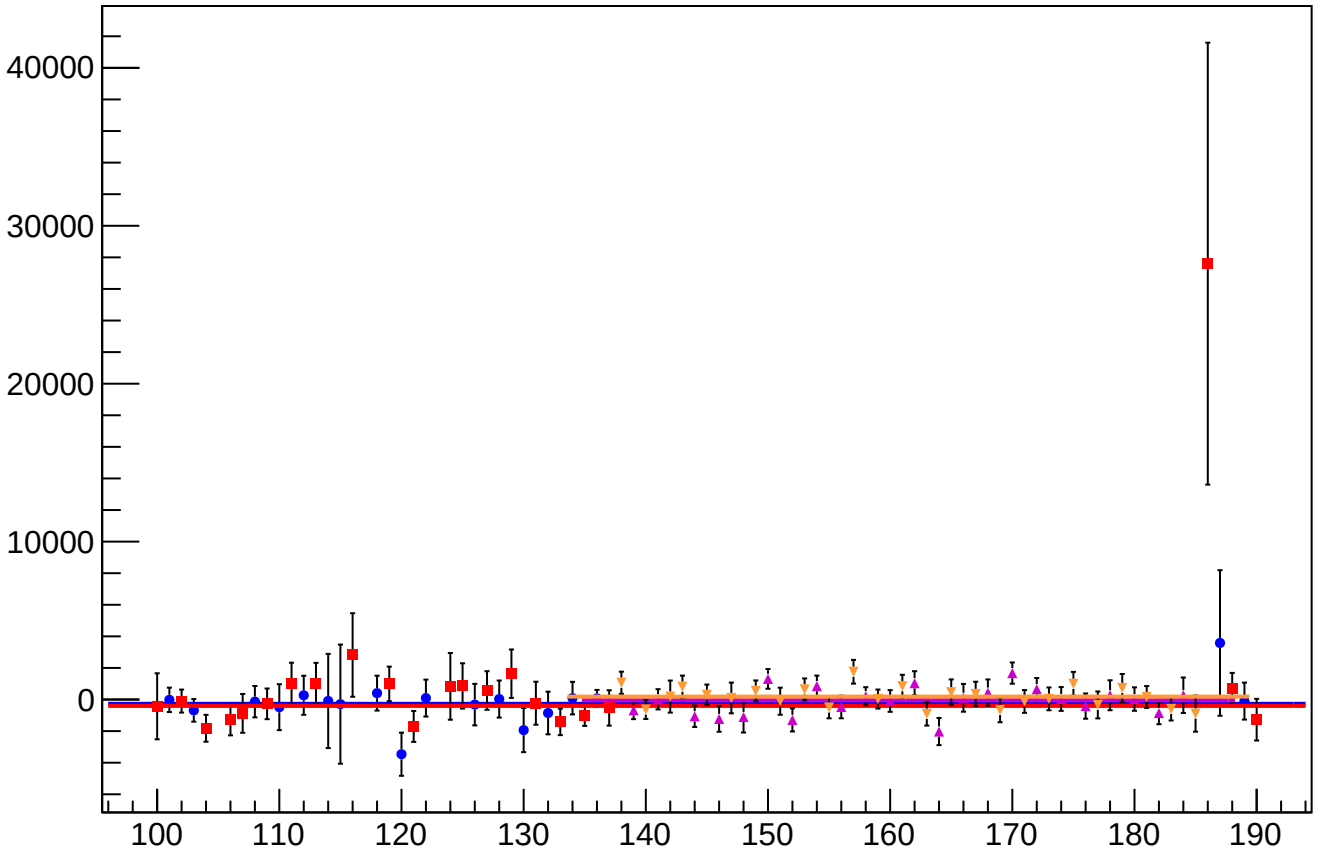
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 91.103+/-0.016 χ^2/NDF: 735014.7/39

In: 102.346+/-0.014 χ^2/NDF:821897.5/40

Out: 100.467+/-0.013 χ^2/NDF:1426095.1/46

All: 101.354+/-0.010 χ^2/NDF: 2257200.6/87



Right In: -272.045+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -403.807+/-236.929 χ^2/NDF: 22.7/21

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

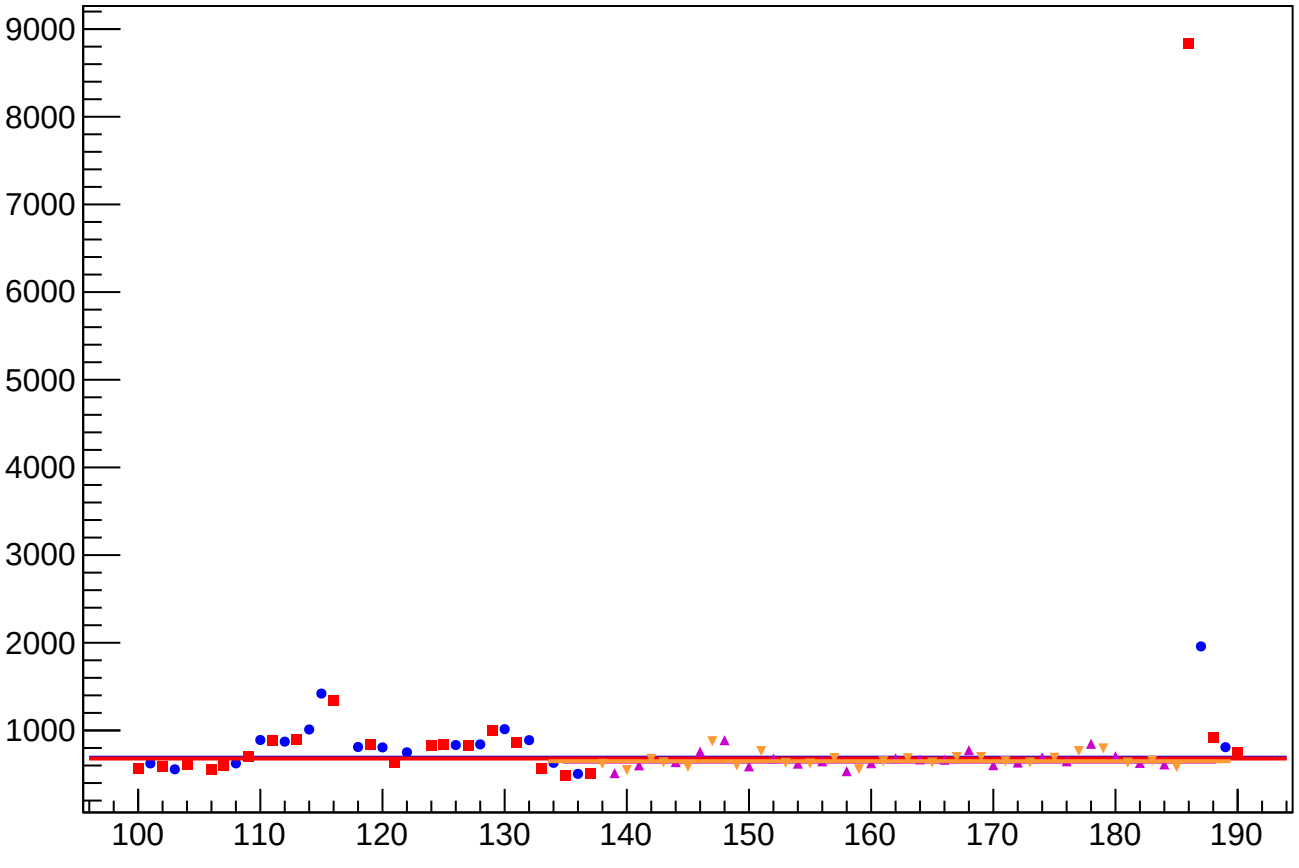
Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

Right: -342.281+/-172.983 χ^2/NDF: 32.4/39

In: -103.913+/-130.350 χ^2/NDF:43.9/40

Out: 19.463+/-126.022 χ^2/NDF:46.2/46

All: -40.143+/-90.602 χ^2/NDF: 90.5/87



Right In: 688.938+/-0.179 χ^2/NDF: 943650.8/17

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 679.854+/-0.168 χ^2/NDF: 1613875.1/21

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

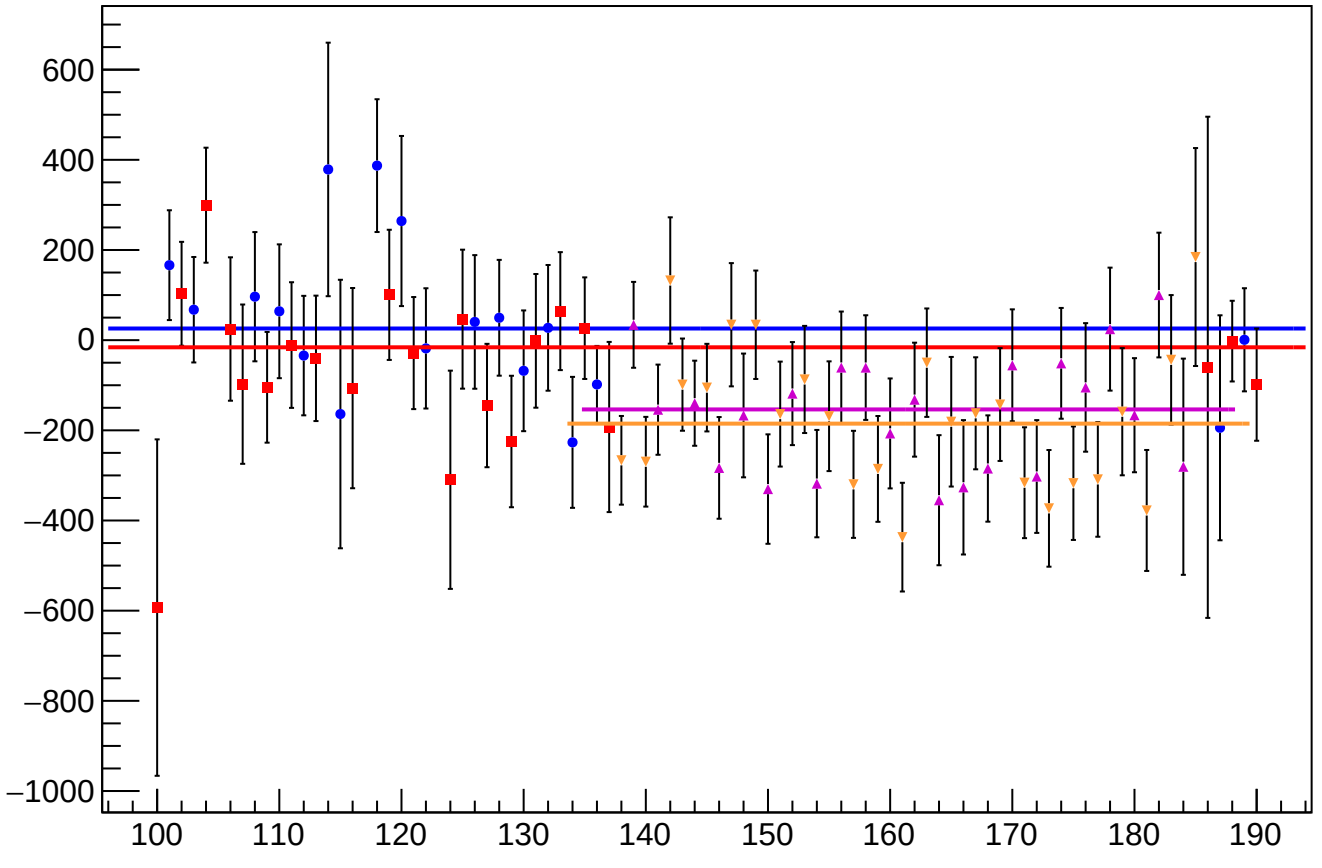
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 684.096+/-0.122 χ^2/NDF: 2558898.5/39

In: 655.968+/-0.092 χ^2/NDF:1548936.1/40

Out: 657.865+/-0.089 χ^2/NDF:2056264.9/46

All: 656.948+/-0.064 χ^2/NDF: 3605419.8/87



Right In: 25.852+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -15.834+/-30.412 χ^2/NDF: 17.7/21

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

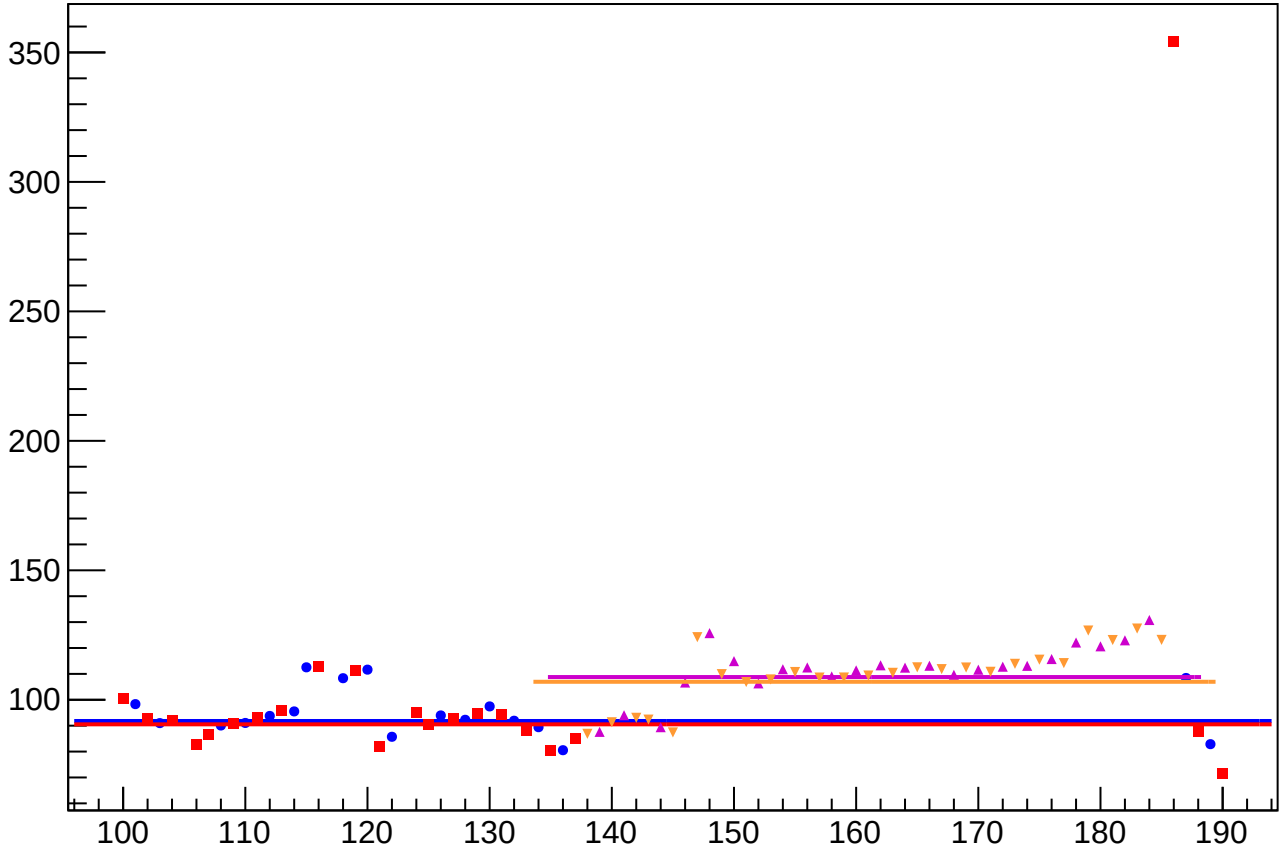
Right: 3.511+/-22.264 χ^2/NDF: 36.7/39

In: -85.591+/-20.123 χ^2/NDF:60.4/40

Out: -118.669+/-19.057 χ^2/NDF:69.6/46

All: -103.030+/-13.837 χ^2/NDF: 131.4/87

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.522+/-0.022 χ^2/NDF: 604623.5/21

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

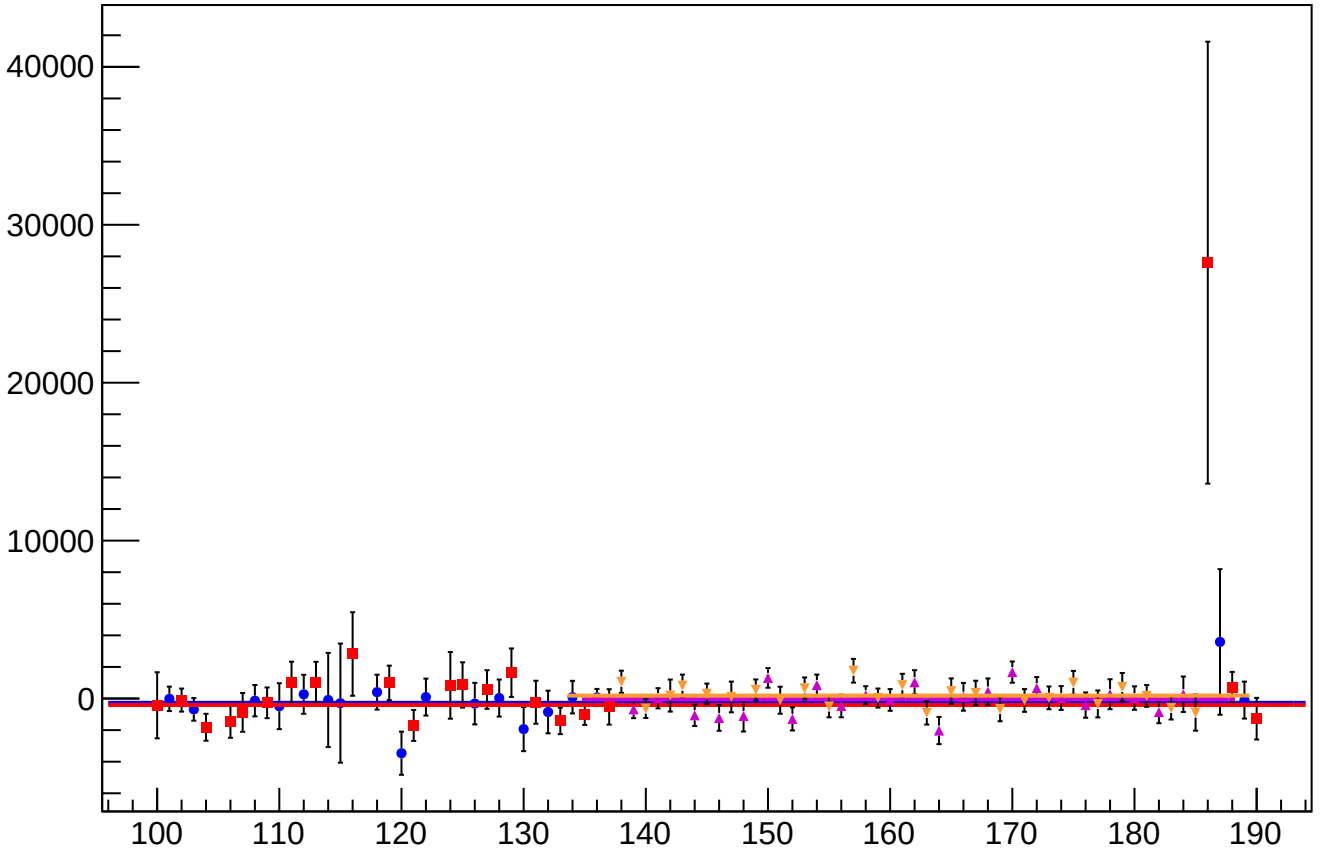
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.119+/-0.016 χ^2/NDF: 734863.4/39

In: 102.346+/-0.014 χ^2/NDF:821897.4/40

Out: 100.502+/-0.013 χ^2/NDF:1423509.7/46

All: 101.374+/-0.010 χ^2/NDF: 2254263.1/87



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -406.908+/-237.643 χ^2/NDF: 22.9/21

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

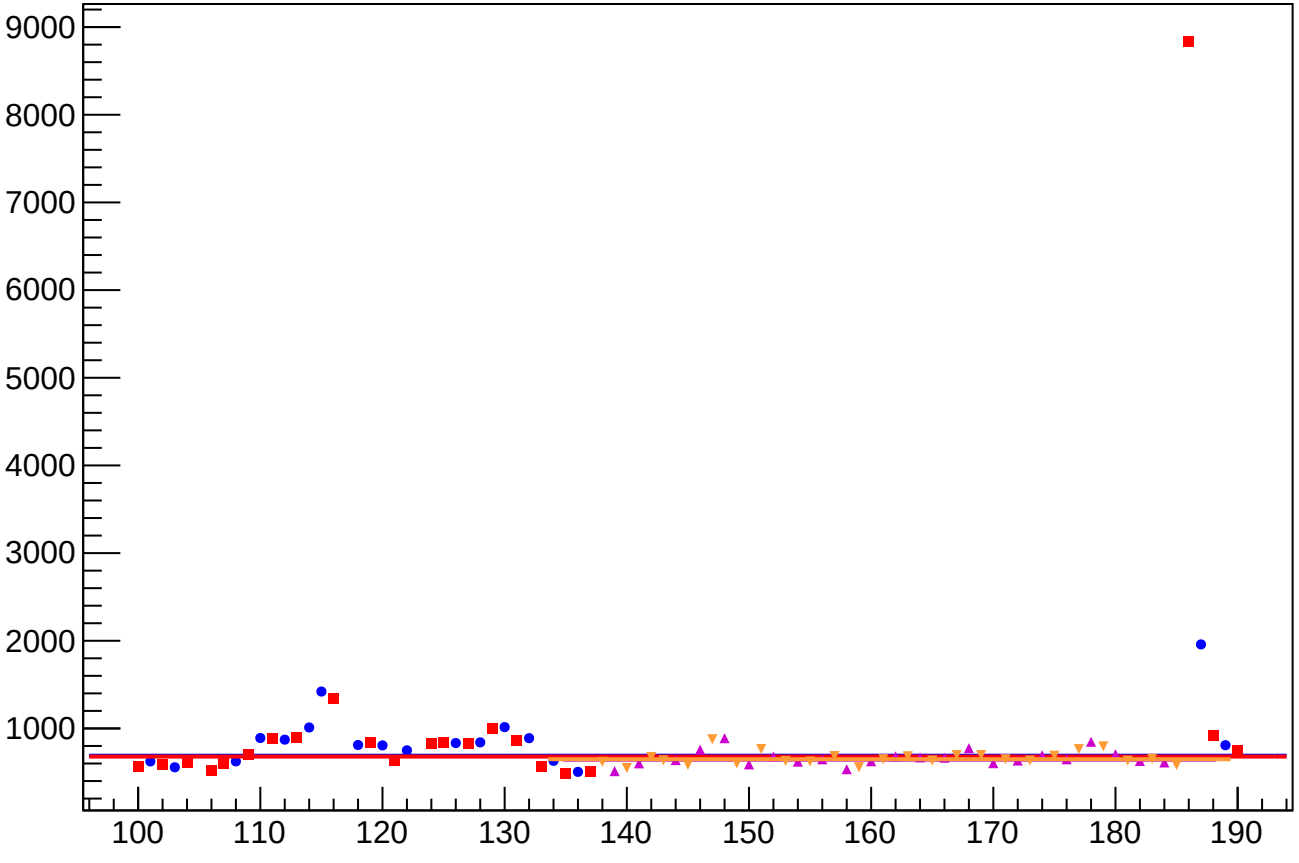
Right: -343.730+/-173.260 χ^2/NDF: 32.6/39

In: -103.914+/-130.350 χ^2/NDF:43.9/40

Out: 19.304+/-126.129 χ^2/NDF:46.4/46

All: -40.277+/-90.642 χ^2/NDF: 90.7/87

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 688.937+/-0.179 χ^2/NDF: 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 679.189+/-0.168 χ^2/NDF: 1624971.9/21

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

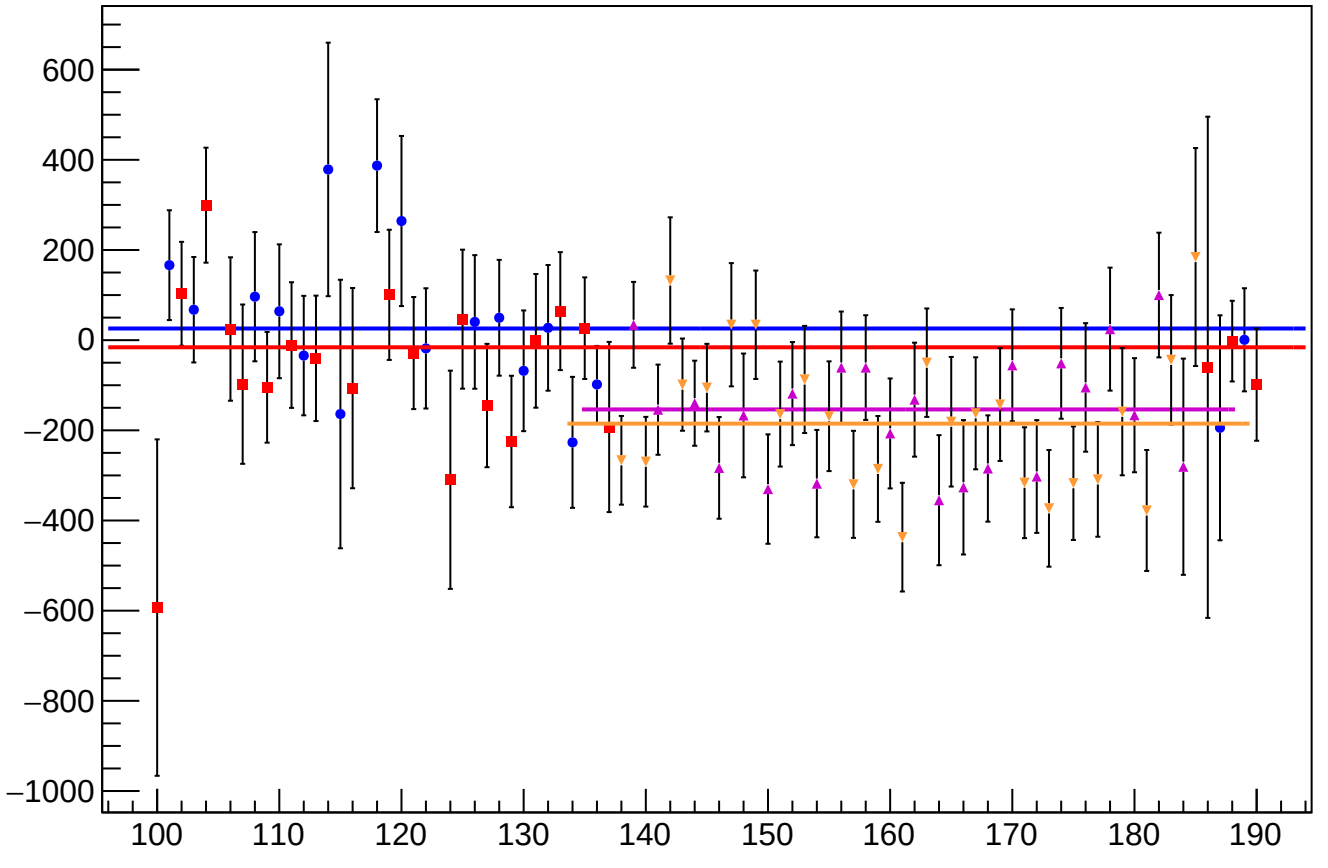
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 683.756+/-0.123 χ^2/NDF: 2570201.4/39

In: 655.968+/-0.092 χ^2/NDF:1548938.3/40

Out: 657.640+/-0.089 χ^2/NDF:2066231.9/46

All: 656.832+/-0.064 χ^2/NDF: 3615340.1/87



Right In: 25.852+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -15.834+/-30.412 χ^2/NDF: 17.7/21

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

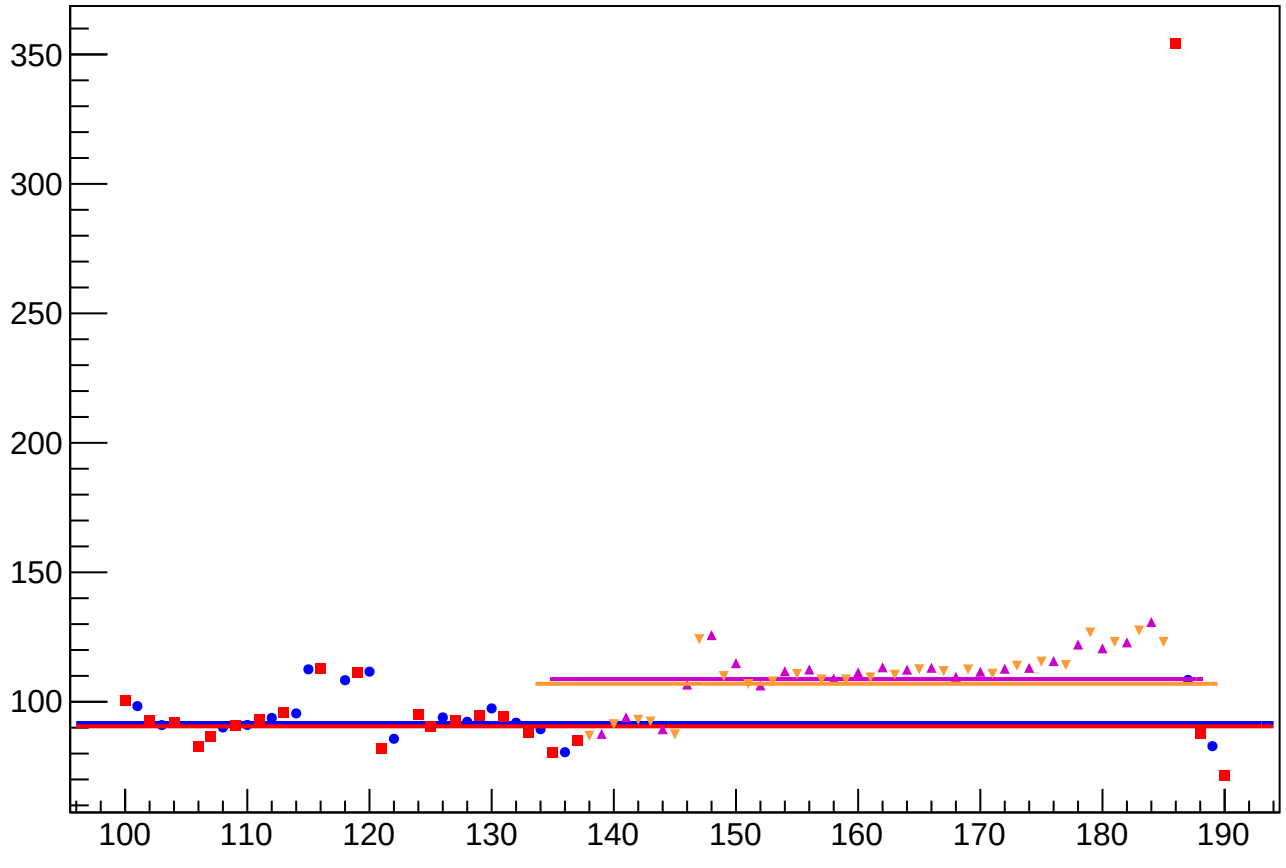
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: 3.511+/-22.264 χ^2/NDF: 36.7/39

In: -85.591+/-20.123 χ^2/NDF:60.4/40

Out: -118.669+/-19.057 χ^2/NDF:69.6/46

All: -103.030+/-13.837 χ^2/NDF: 131.4/87



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.522+/-0.022 χ^2/NDF: 604623.5/21

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

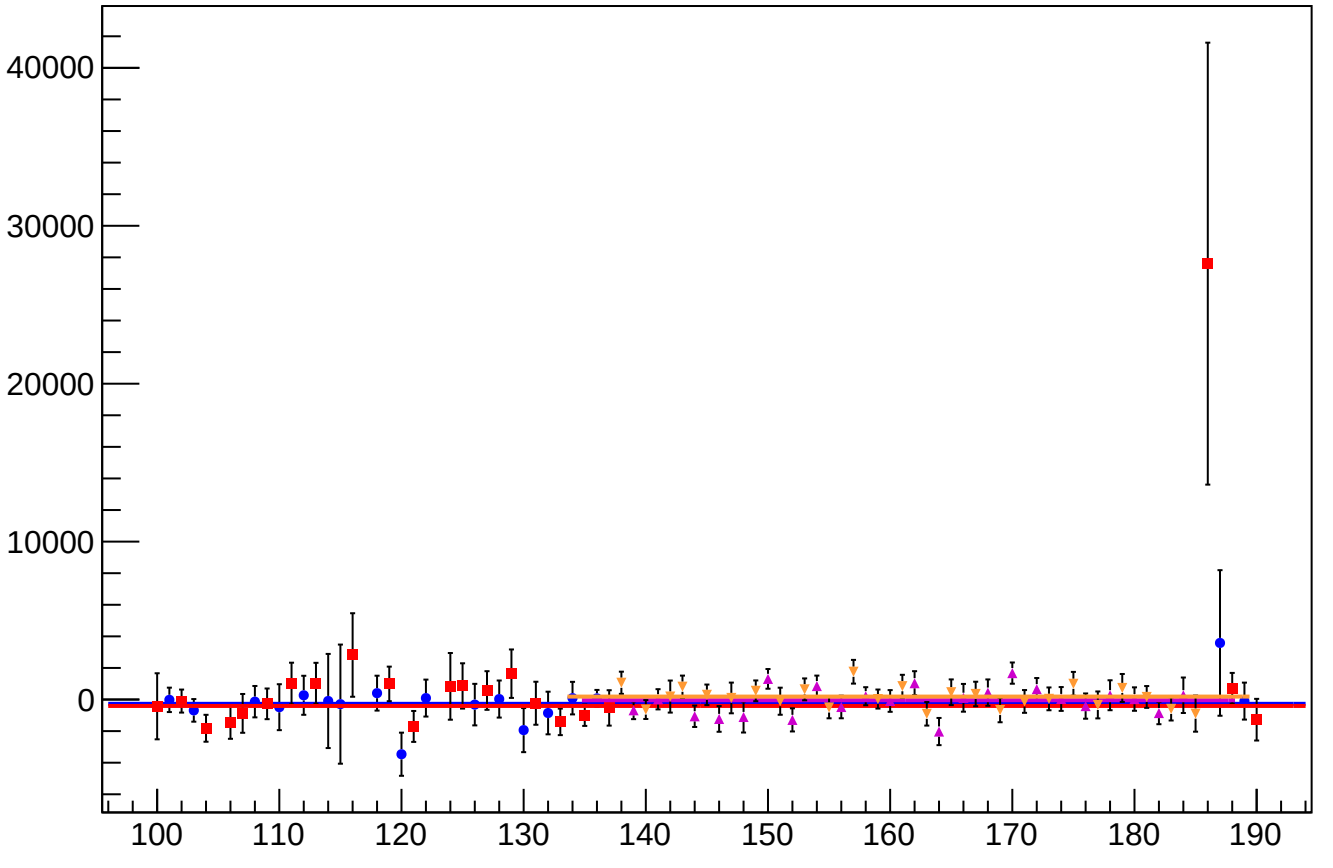
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.119+/-0.016 χ^2/NDF: 734863.4/39

In: 102.346+/-0.014 χ^2/NDF:821897.4/40

Out: 100.502+/-0.013 χ^2/NDF:1423509.7/46

All: 101.374+/-0.010 χ^2/NDF: 2254263.1/87



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -406.908+/-237.643 χ^2/NDF: 22.9/21

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

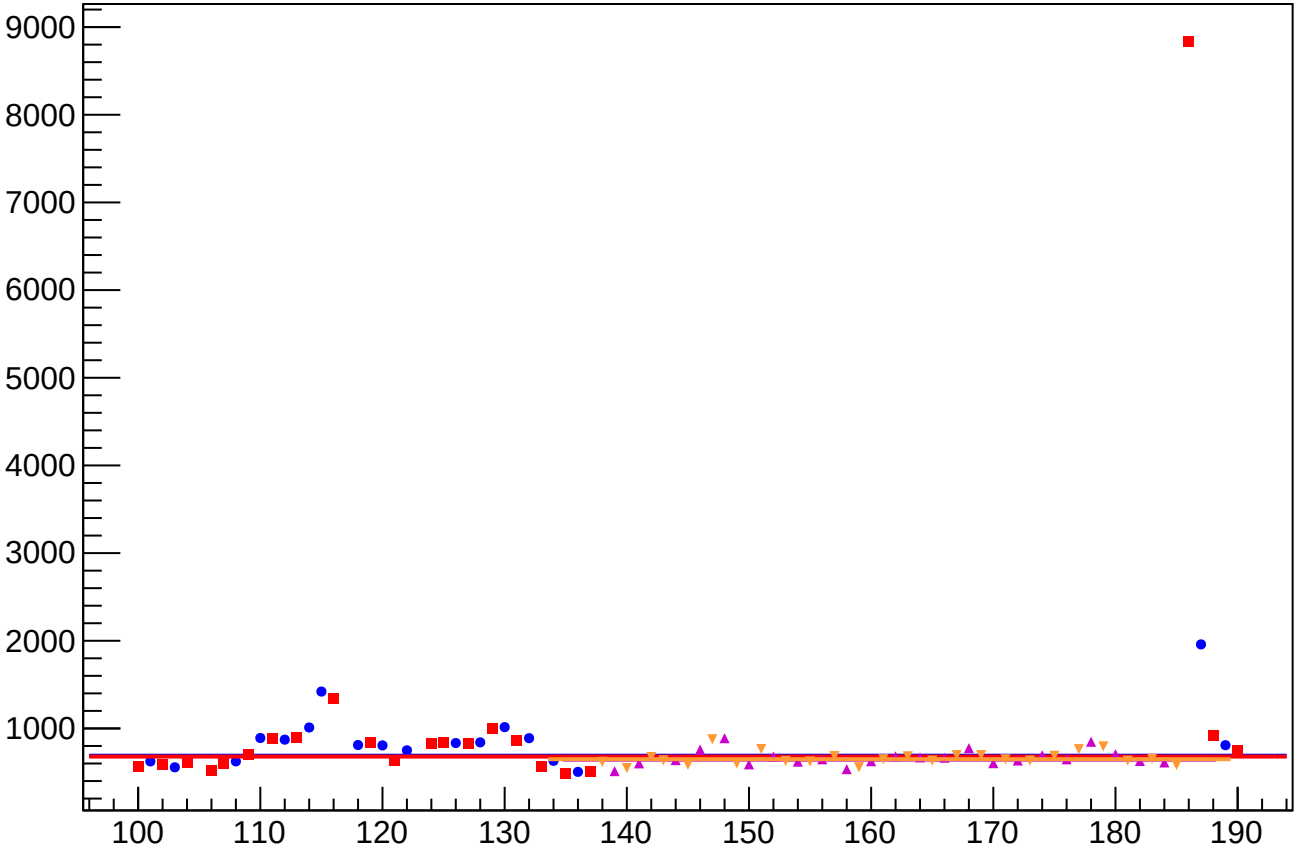
Right: -343.730+/-173.260 χ^2/NDF: 32.6/39

In: -103.914+/-130.350 χ^2/NDF:43.9/40

Out: 19.304+/-126.129 χ^2/NDF:46.4/46

All: -40.277+/-90.642 χ^2/NDF: 90.7/87

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 688.937+/-0.179 χ^2/NDF: 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 679.189+/-0.168 χ^2/NDF: 1624971.9/21

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

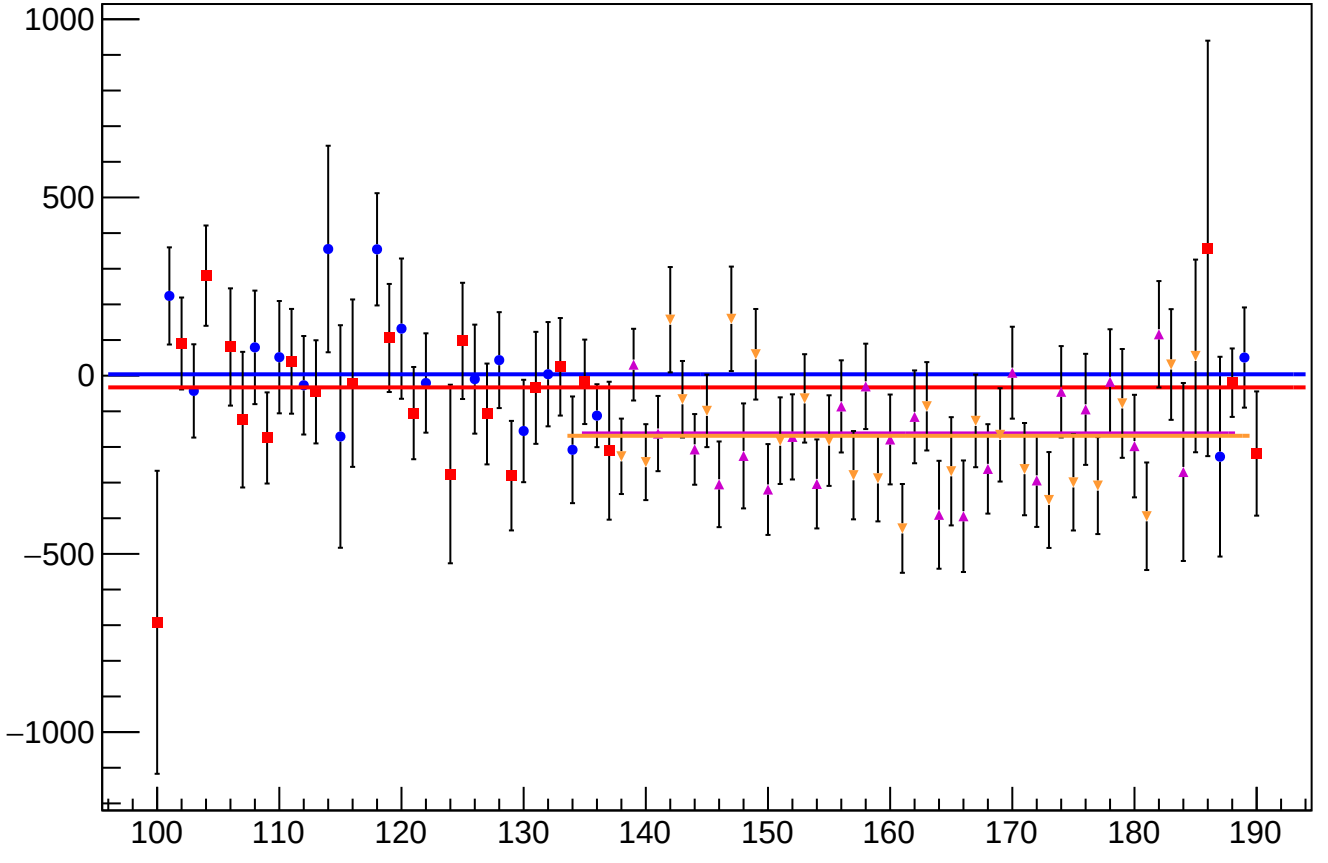
Right: 683.756+/-0.123 χ^2/NDF: 2570201.4/39

In: 655.968+/-0.092 χ^2/NDF:1548938.3/40

Out: 657.640+/-0.089 χ^2/NDF:2066231.9/46

All: 656.832+/-0.064 χ^2/NDF: 3615340.1/87

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 3.869+/-35.059 χ^2/NDF: 16.1/17

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -32.847+/-32.627 χ^2/NDF: 18.7/21

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

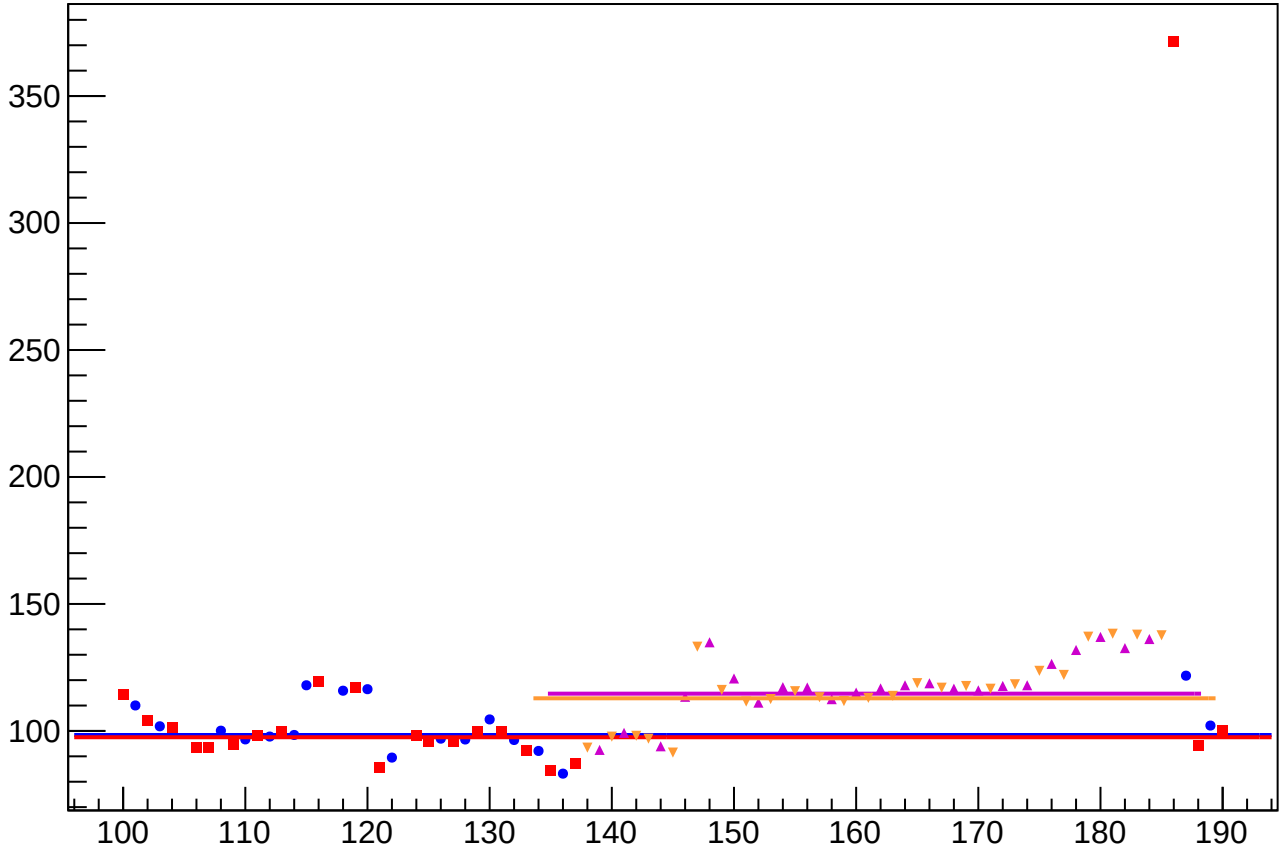
Right: -15.807+/-23.884 χ^2/NDF: 35.4/39

In: -100.417+/-21.365 χ^2/NDF:53.8/40

Out: -116.346+/-20.247 χ^2/NDF:61.7/46

All: -108.809+/-14.696 χ^2/NDF: 115.8/87

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.403+/-0.025 χ^2/NDF: 156567.2/17

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.515+/-0.023 χ^2/NDF: 560486.9/21

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

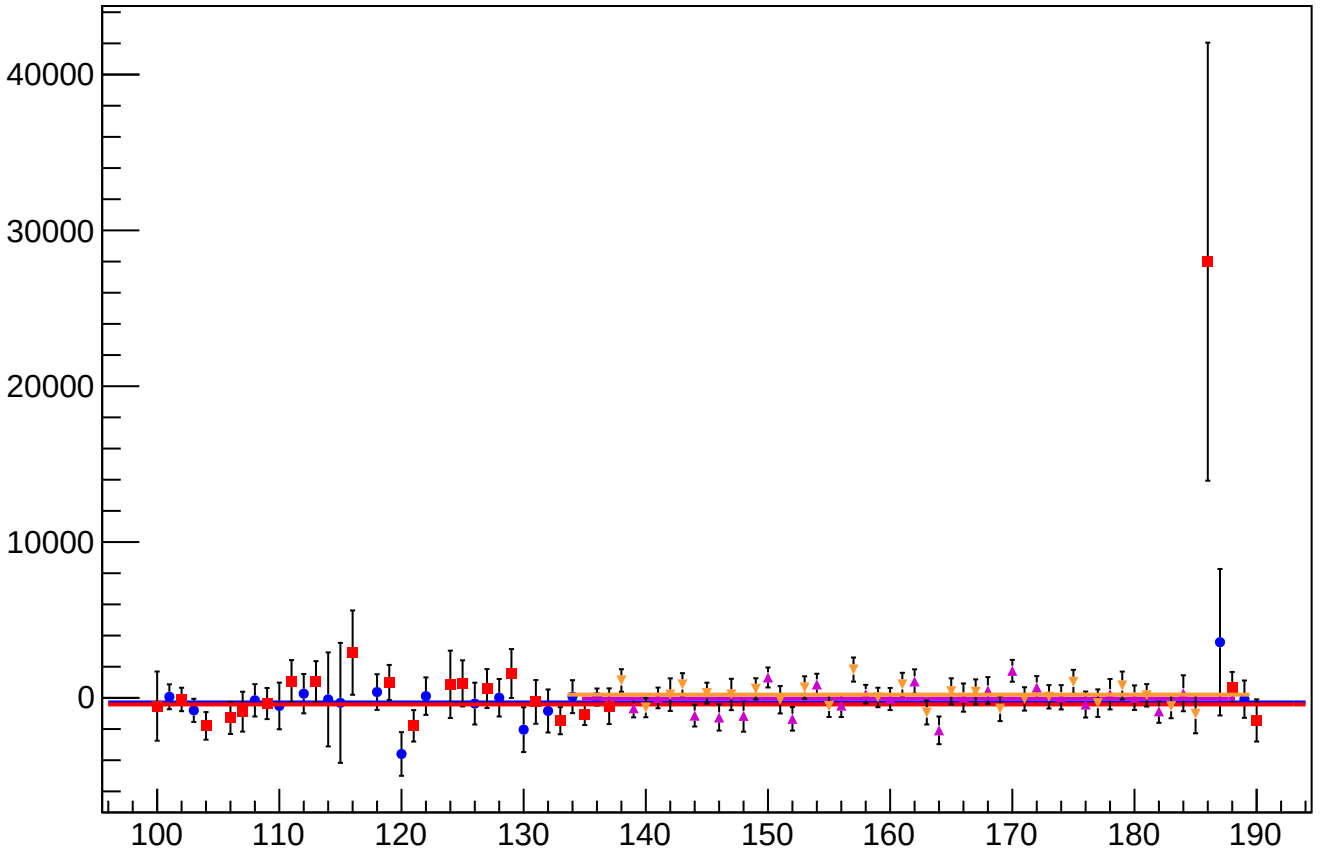
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.927+/-0.017 χ^2/NDF: 717741.7/39

In: 108.633+/-0.015 χ^2/NDF:837410.0/40

Out: 106.944+/-0.014 χ^2/NDF:1344422.5/46

All: 107.743+/-0.010 χ^2/NDF: 2188414.9/87



Right In: -293.466+/-260.680 χ^2/NDF: 9.9/17

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -418.858+/-244.246 χ^2/NDF: 22.4/21

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

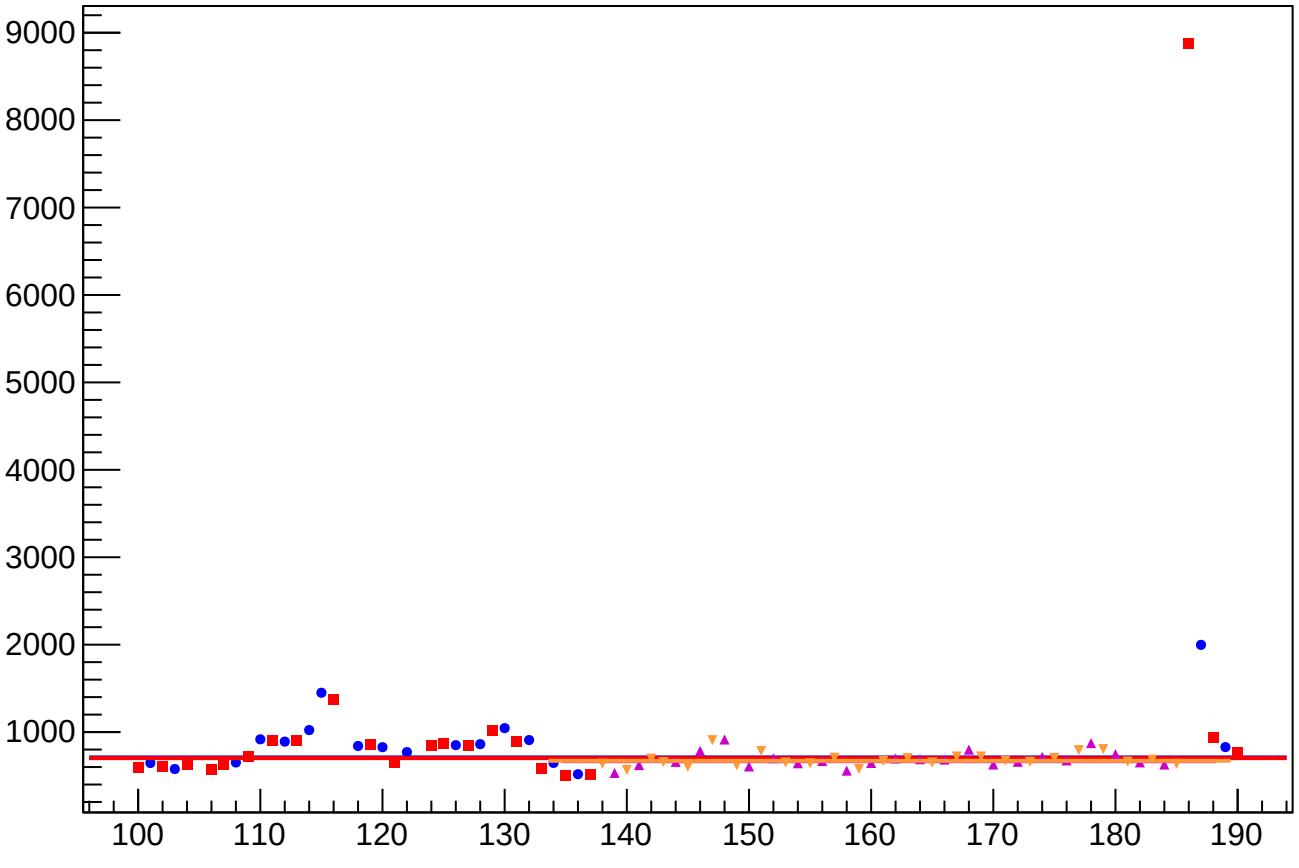
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -360.239+/-178.235 χ^2/NDF: 32.4/39

In: -115.295+/-134.796 χ^2/NDF:43.8/40

Out: 30.793+/-130.223 χ^2/NDF:46.0/46

All: -39.731+/-93.657 χ^2/NDF: 90.5/87



Right In: 710.041+/-0.184 χ^2/NDF: 926140.1/17

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 701.951+/-0.173 χ^2/NDF: 1575459.6/21

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

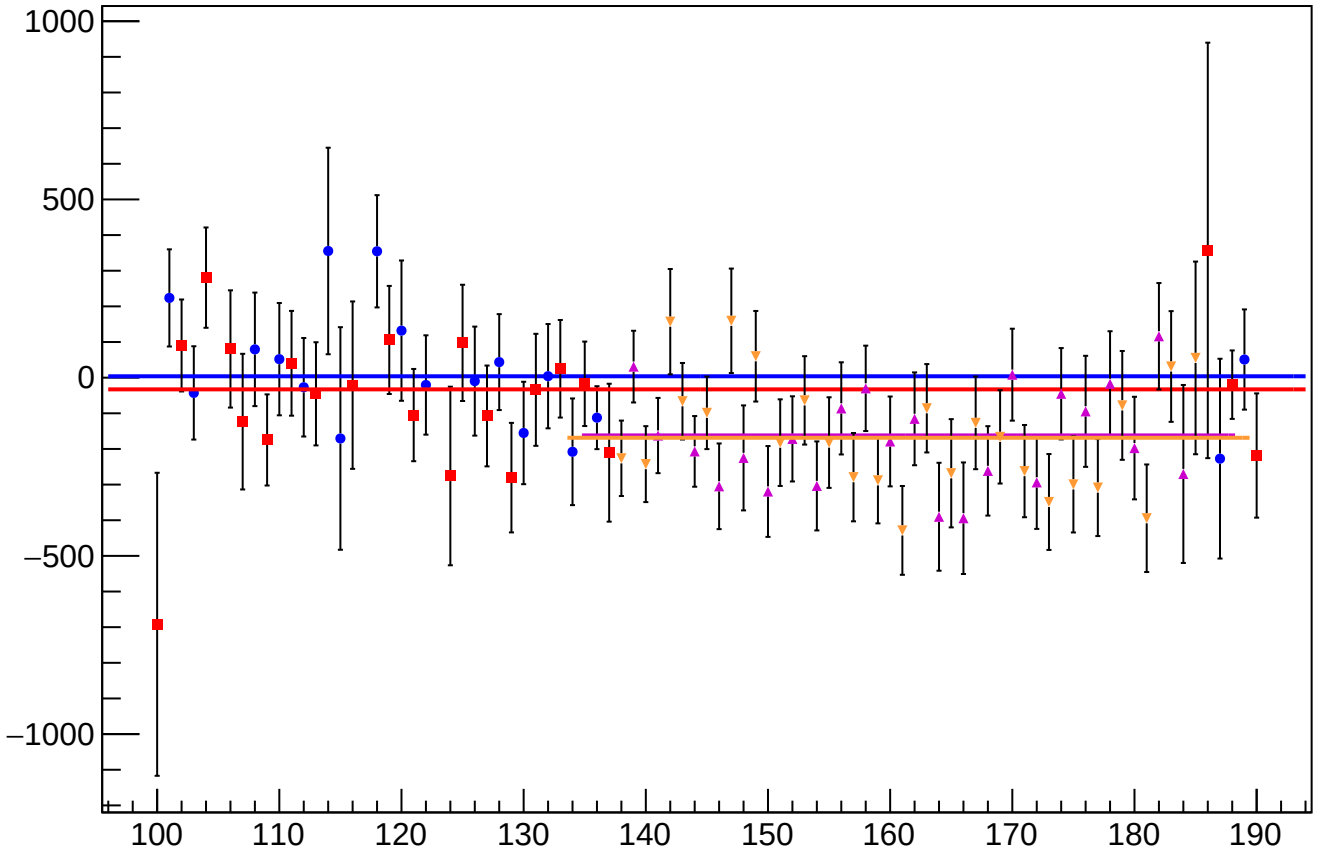
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 705.733+/-0.126 χ^2/NDF: 2502625.4/39

In: 678.759+/-0.095 χ^2/NDF:1512357.4/40

Out: 680.406+/-0.092 χ^2/NDF:1996363.8/46

All: 679.611+/-0.066 χ^2/NDF: 3508875.6/87



Right In: 3.870+/-35.059 χ^2/NDF: 16.1/17

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -32.848+/-32.627 χ^2/NDF: 18.7/21

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

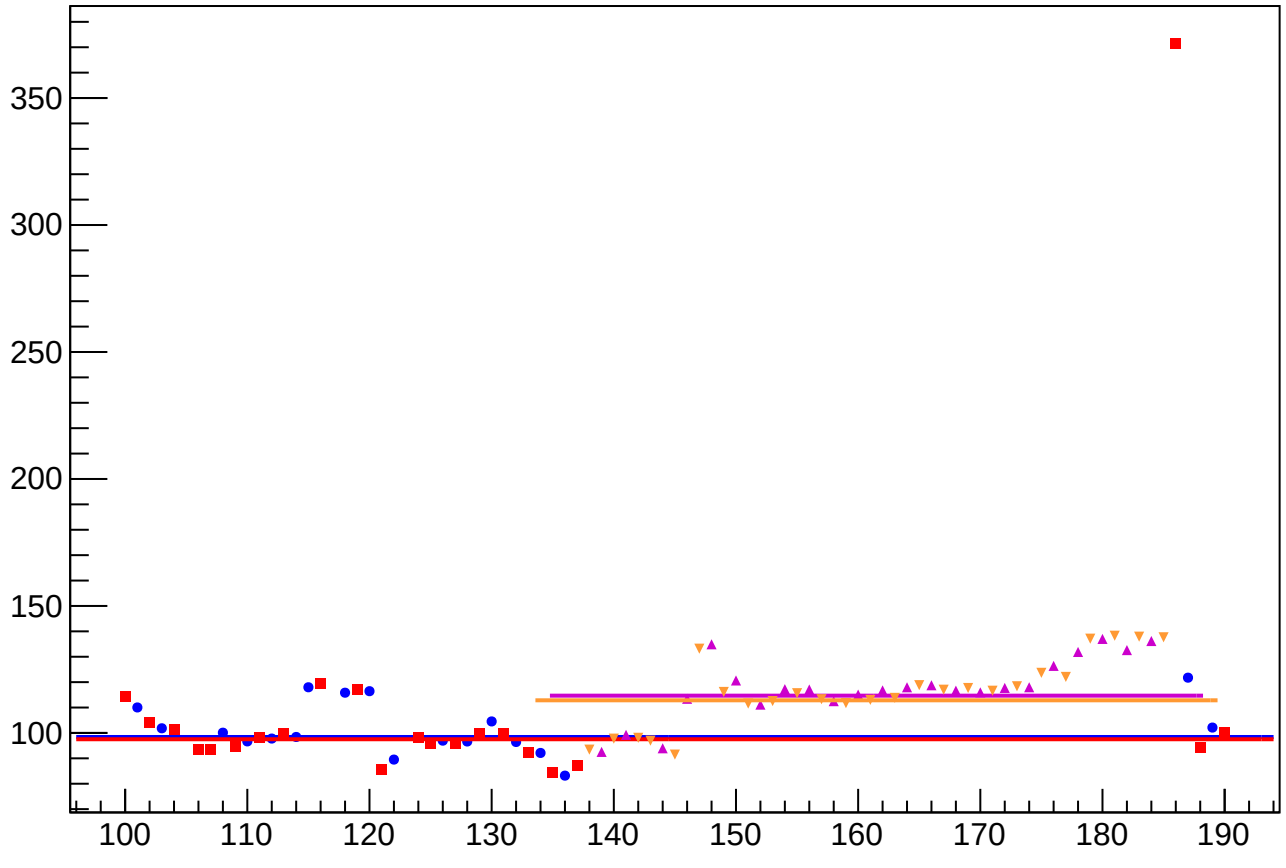
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -15.806+/-23.884 χ^2/NDF: 35.4/39

In: -100.416+/-21.365 χ^2/NDF:53.8/40

Out: -116.346+/-20.247 χ^2/NDF:61.7/46

All: -108.809+/-14.696 χ^2/NDF: 115.8/87



Right In: 98.402+/-0.025 χ^2/NDF: 156569.8/17

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.514+/-0.023 χ^2/NDF: 560485.1/21

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

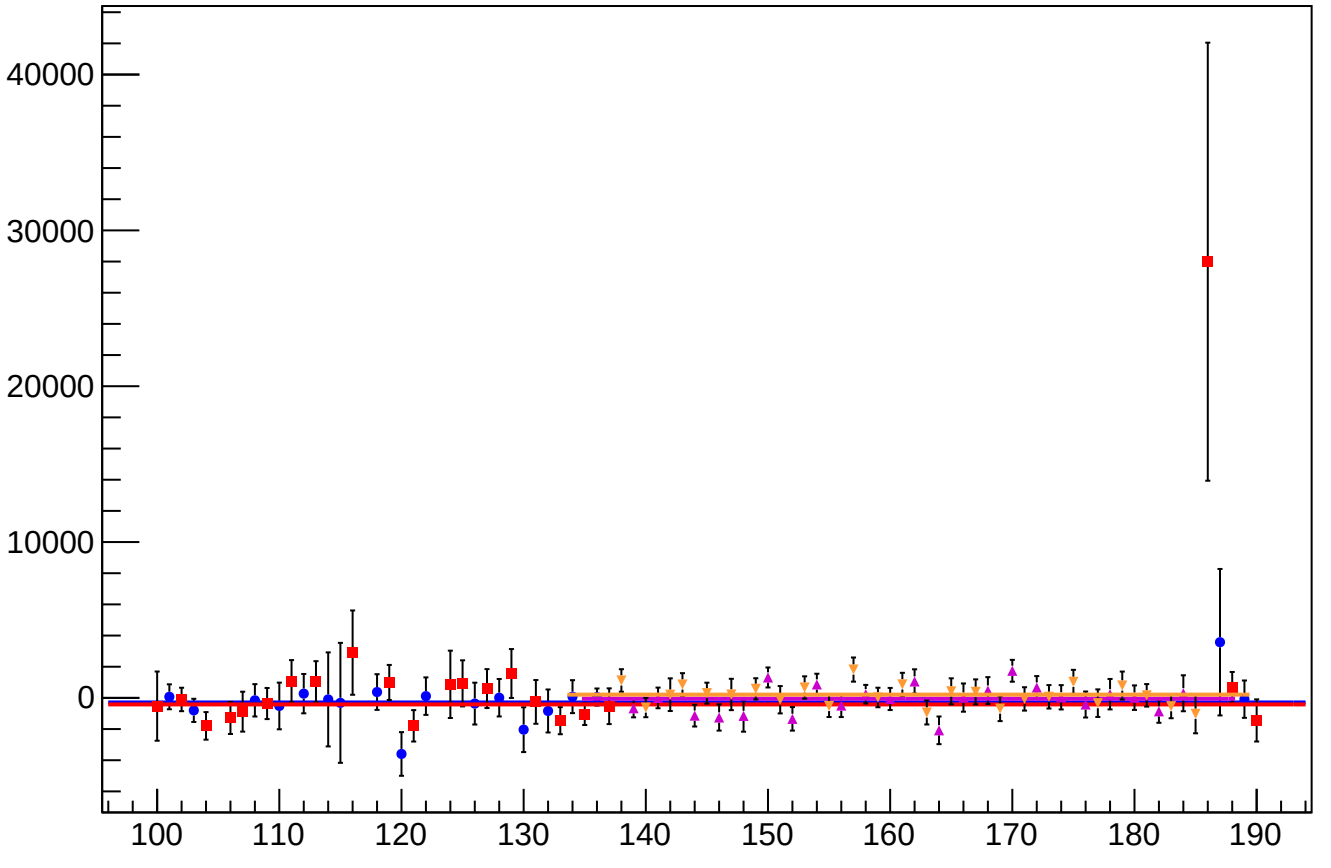
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.927+/-0.017 χ^2/NDF: 717742.5/39

In: 108.633+/-0.015 χ^2/NDF:837420.1/40

Out: 106.944+/-0.014 χ^2/NDF:1344423.5/46

All: 107.743+/-0.010 χ^2/NDF: 2188426.3/87



Right In: -293.465+/-260.680 χ^2/NDF: 9.9/17

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -418.859+/-244.245 χ^2/NDF: 22.4/21

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

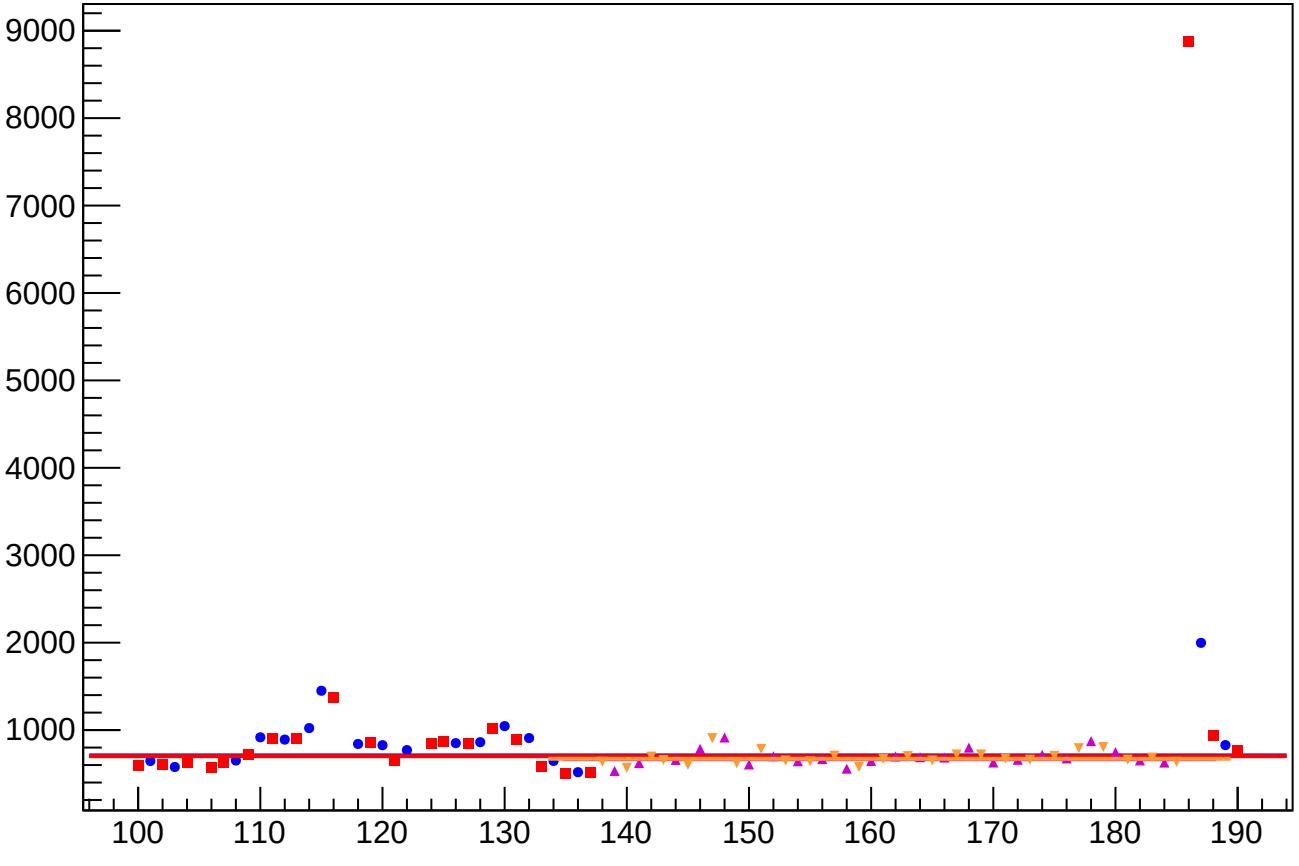
Right: -360.239+/-178.234 χ^2/NDF: 32.4/39

In: -115.295+/-134.796 χ^2/NDF:43.8/40

Out: 30.792+/-130.223 χ^2/NDF:46.0/46

All: -39.731+/-93.657 χ^2/NDF: 90.5/87

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 710.040+/-0.184 χ^2/NDF: 926144.4/17

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 701.950+/-0.173 χ^2/NDF: 1575465.9/21

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

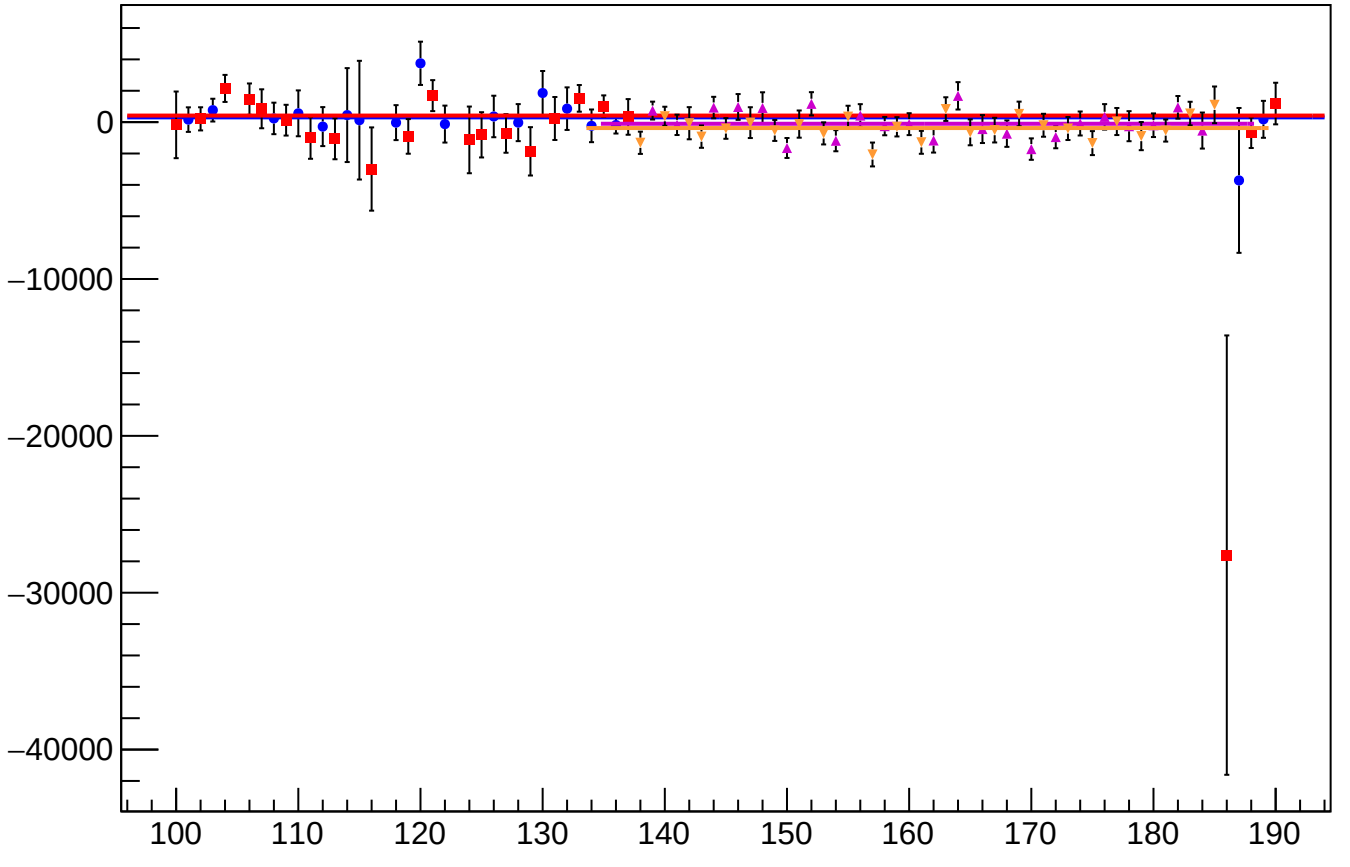
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 705.732+/-0.126 χ^2/NDF: 2502636.1/39

In: 678.759+/-0.095 χ^2/NDF:1512360.4/40

Out: 680.406+/-0.092 χ^2/NDF:1996367.7/46

All: 679.611+/-0.066 χ^2/NDF: 3508882.5/87



Right In: 304.015+/-255.664 χ^2/NDF: 10.5/17

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 418.523+/-239.302 χ^2/NDF: 25.1/21

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

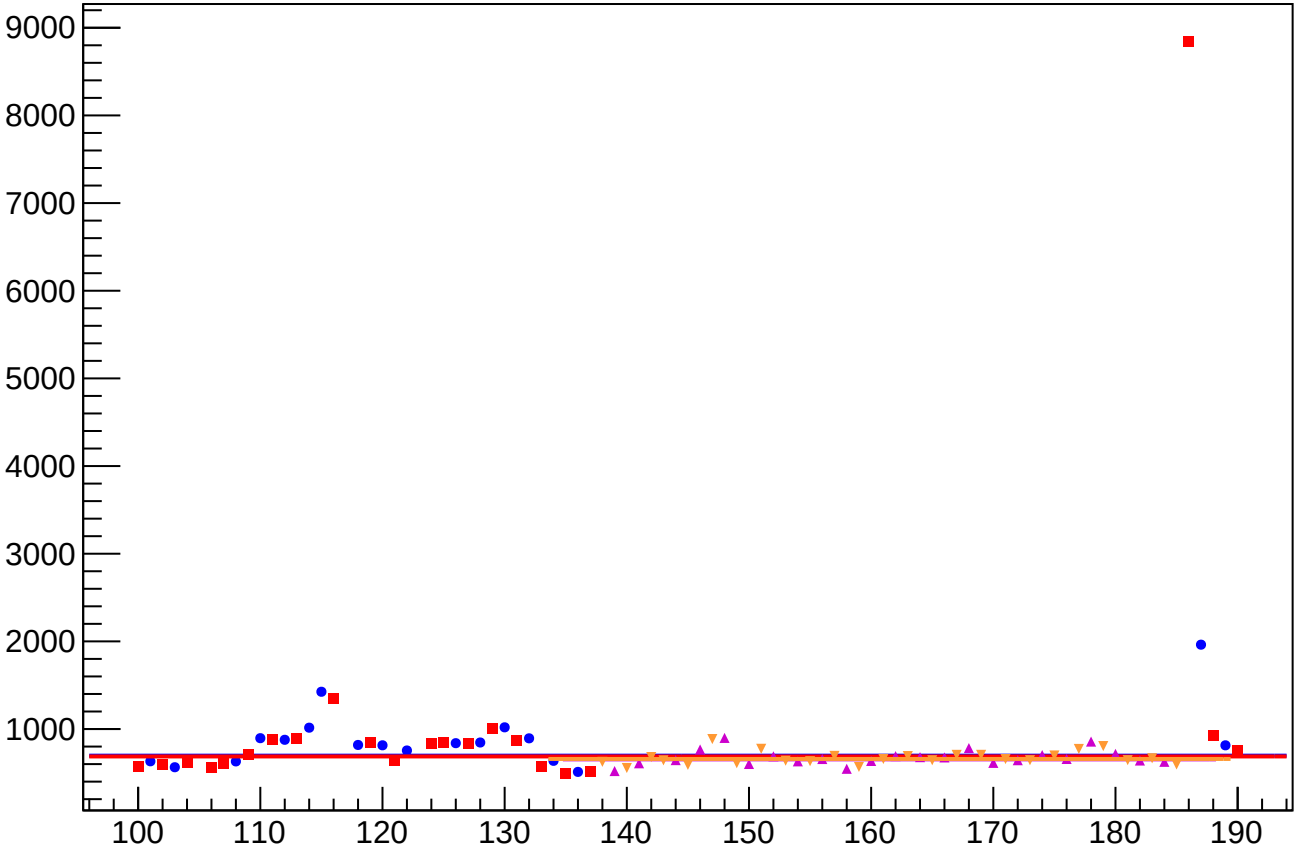
Right: 365.050+/-174.710 χ^2/NDF: 35.7/39

In: 5.471+/-132.127 χ^2/NDF:47.9/40

Out: -150.716+/-127.673 χ^2/NDF:54.4/46

All: -75.300+/-91.813 χ^2/NDF: 103.0/87

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 696.331+/-0.181 χ^2/NDF: 922718.4/17

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 687.329+/-0.169 χ^2/NDF: 1589618.7/21

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

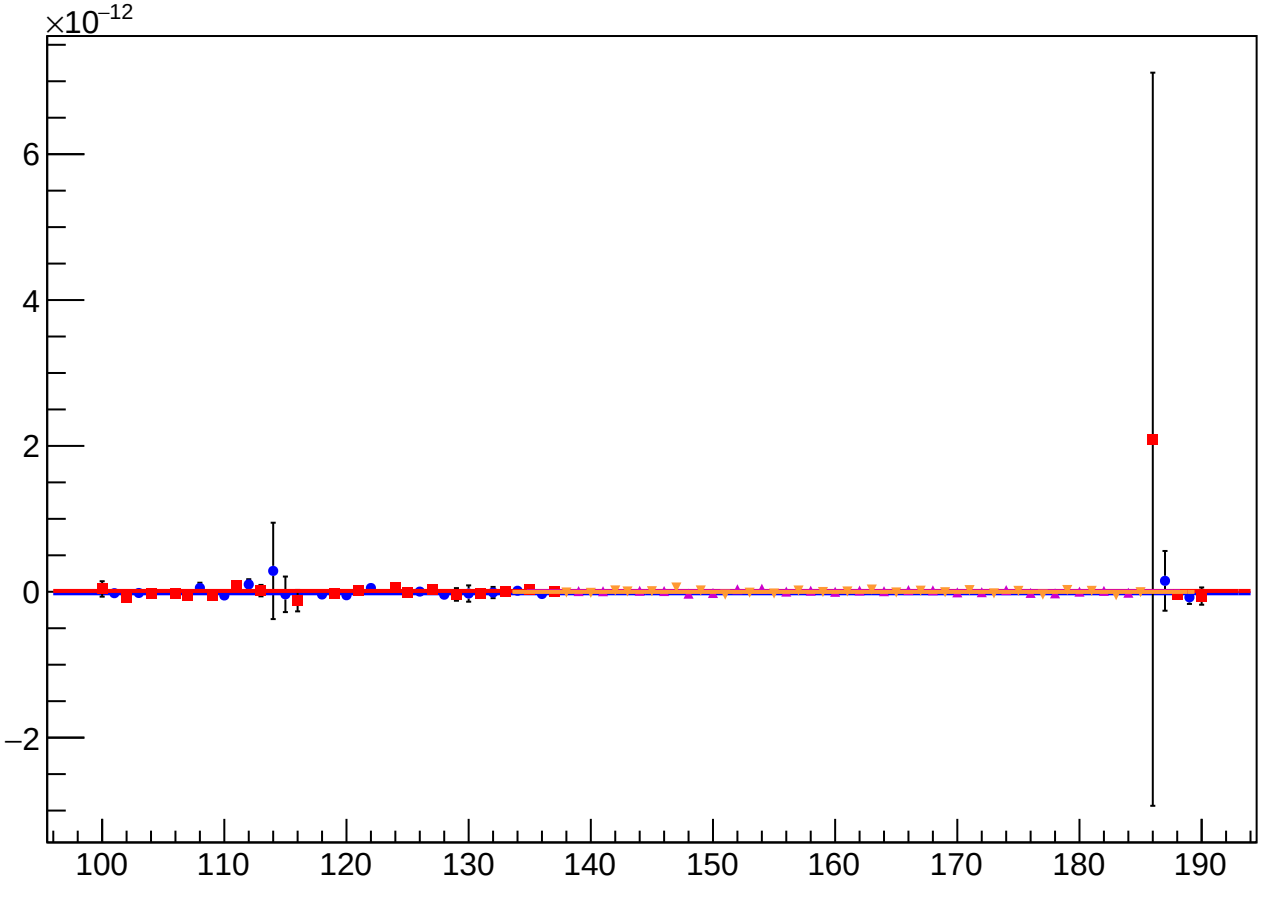
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 691.533+/-0.124 χ^2/NDF: 2513659.0/39

In: 665.269+/-0.093 χ^2/NDF:1505077.3/40

Out: 666.829+/-0.090 χ^2/NDF:2019819.7/46

All: 666.076+/-0.065 χ^2/NDF: 3525041.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/21

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

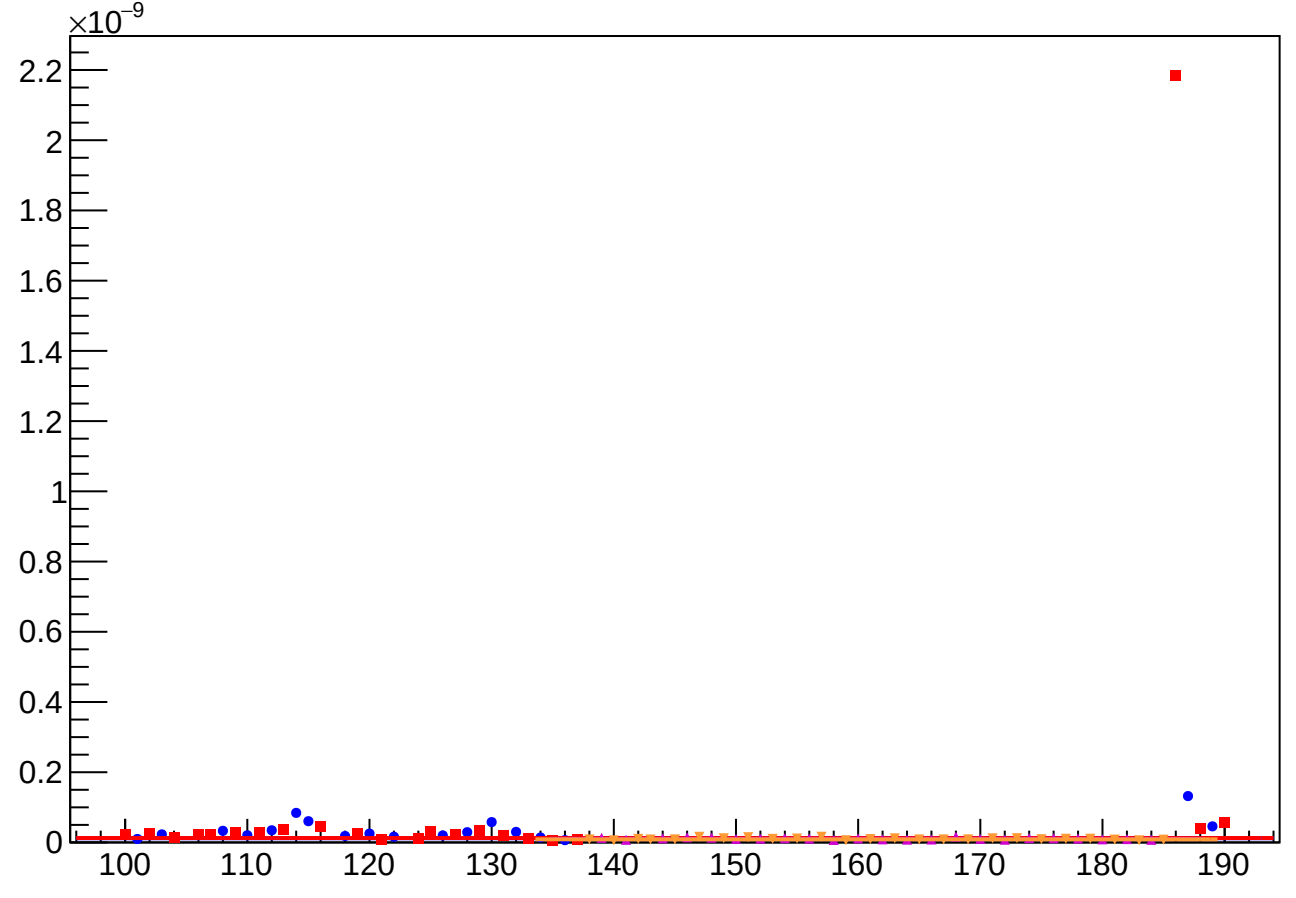
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 37.4/39

In: 0.000+/-0.000 χ^2/NDF:37.2/40

Out: 0.000+/-0.000 χ^2/NDF:52.5/46

All: 0.000+/-0.000 χ^2/NDF: 89.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 2616054.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3250489.7/21

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

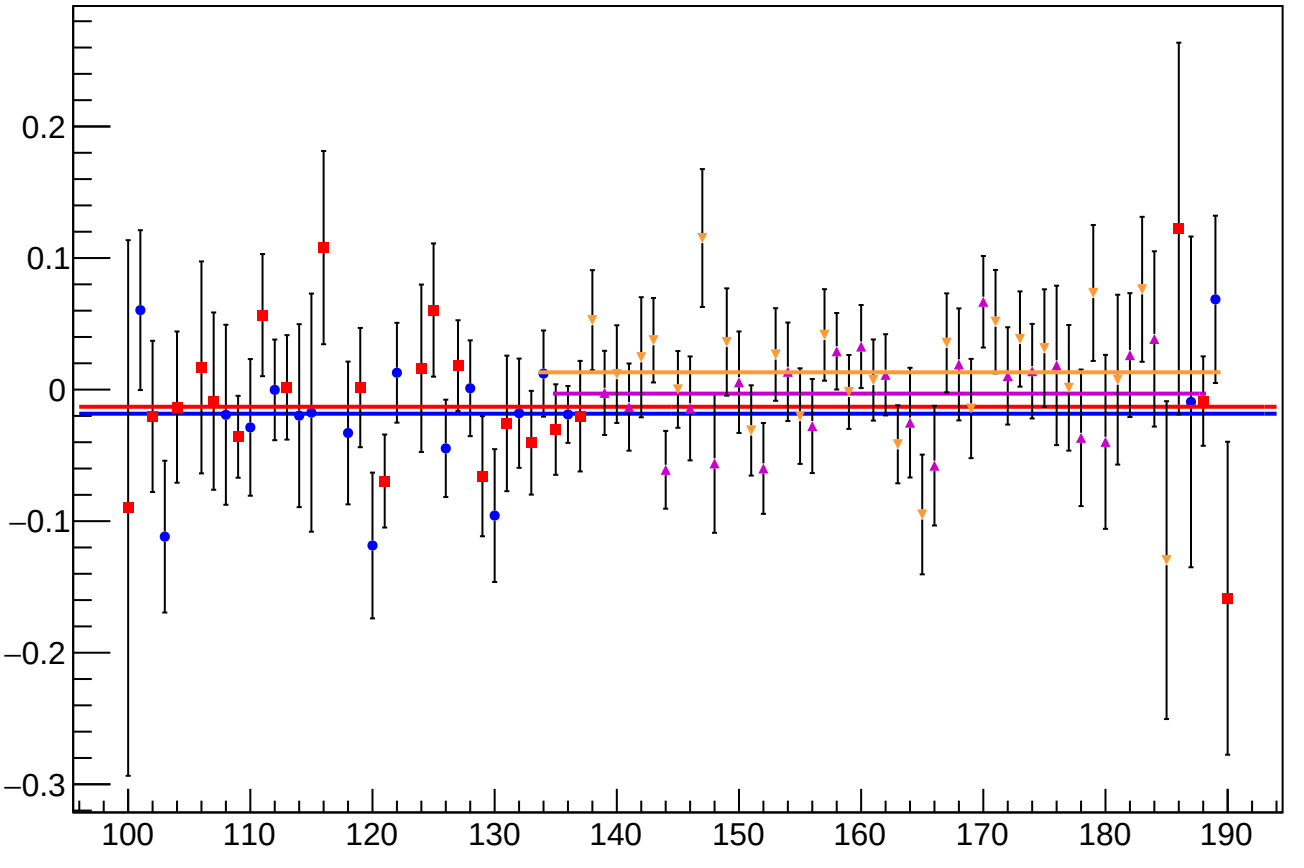
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5870735.9/39

In: 0.000+/-0.000 χ^2/NDF:3366906.6/40

Out: 0.000+/-0.000 χ^2/NDF:4647300.5/46

All: 0.000+/-0.000 χ^2/NDF: 8107699.7/87



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.010 χ^2/NDF: 16.3/21

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

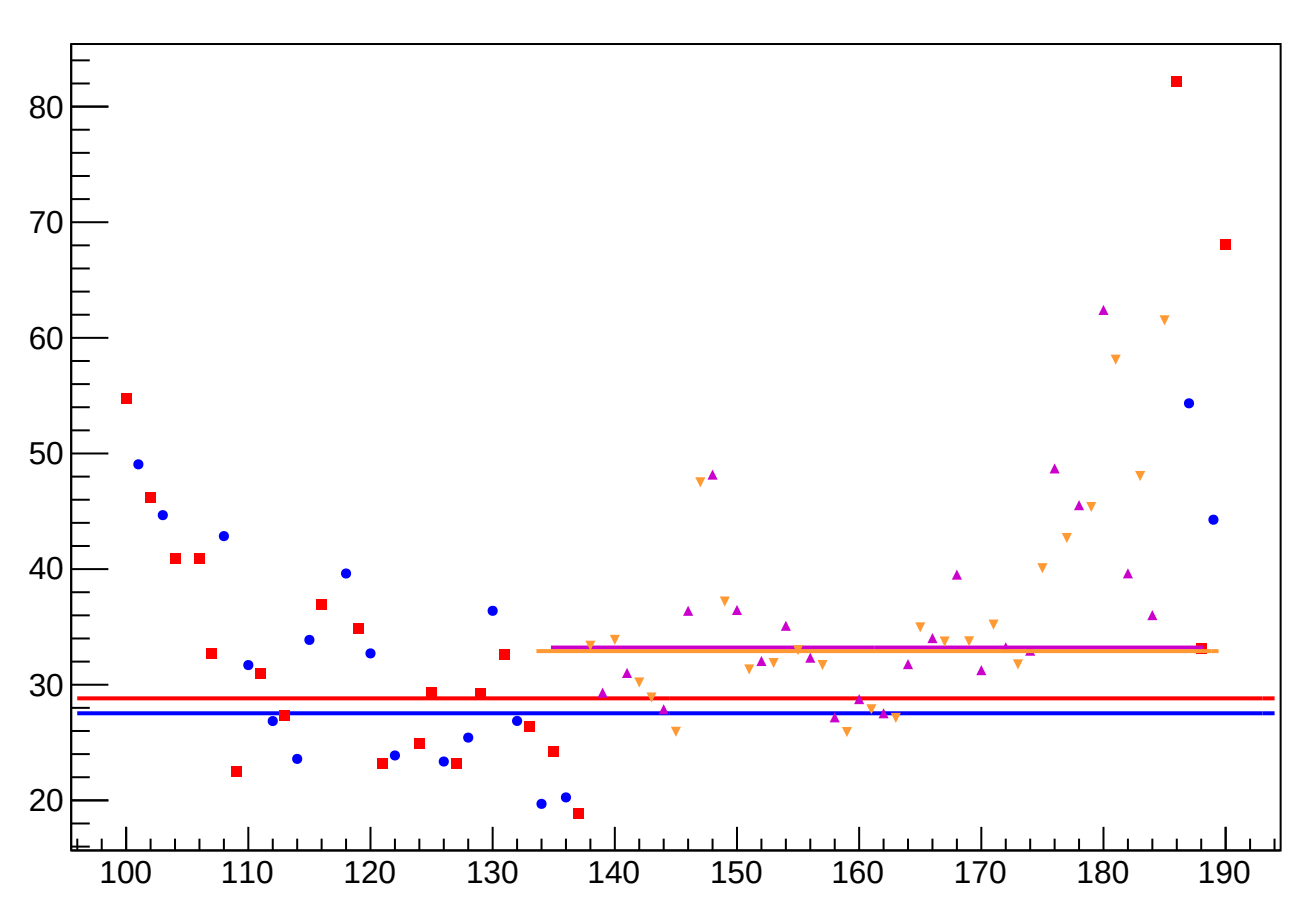
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.016+/-0.007 χ^2/NDF: 30.9/39

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.003+/-0.006 χ^2/NDF:46.0/46

All: -0.002+/-0.004 χ^2/NDF: 83.0/87



Right In: 27.531+/-0.007 χ^2/NDF: 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 28.821+/-0.007 χ^2/NDF: 1316505.4/21

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

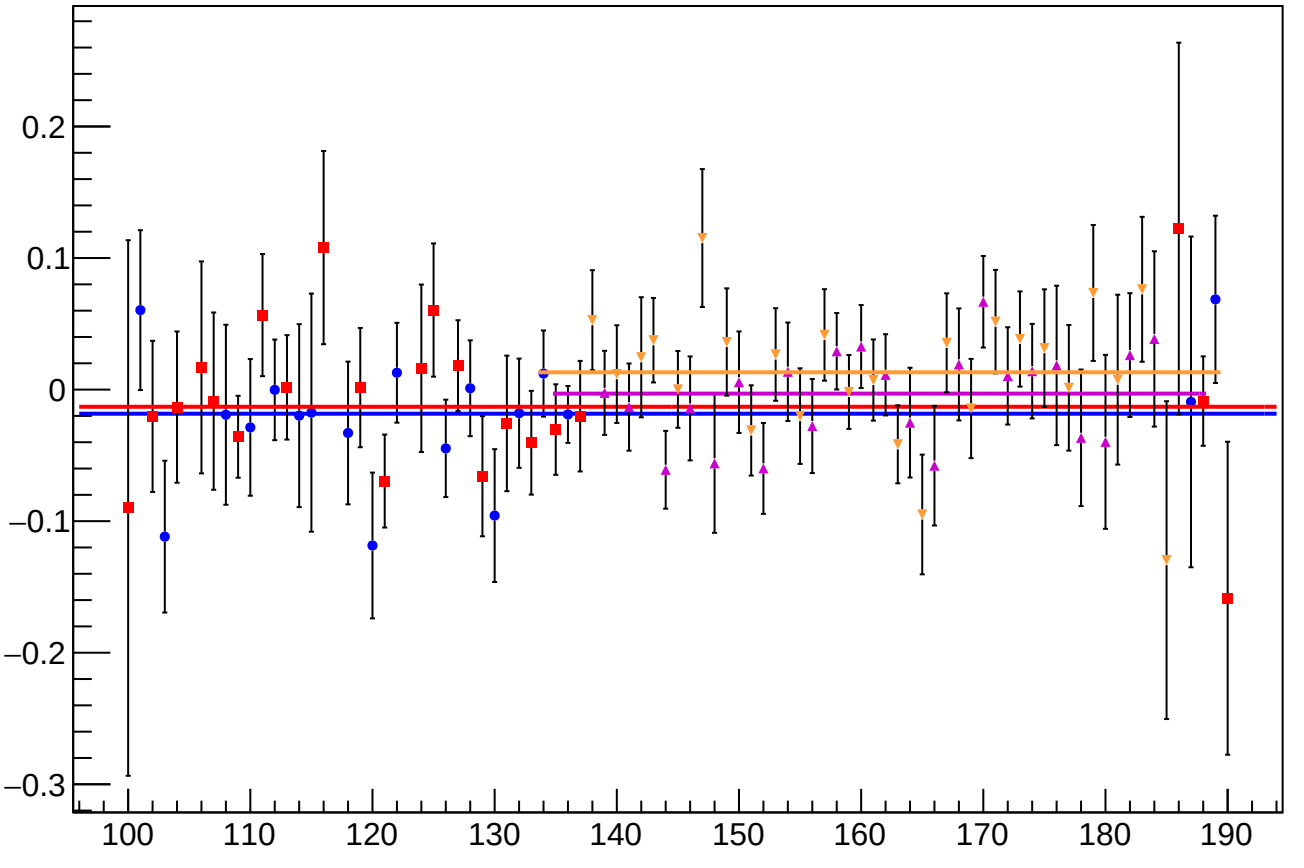
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 28.197+/-0.005 χ^2/NDF: 2690317.1/39

In: 31.098+/-0.004 χ^2/NDF:2959103.4/40

Out: 31.393+/-0.004 χ^2/NDF:2954251.3/46

All: 31.251+/-0.003 χ^2/NDF: 5915621.8/87



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.010 χ^2/NDF: 16.3/21

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

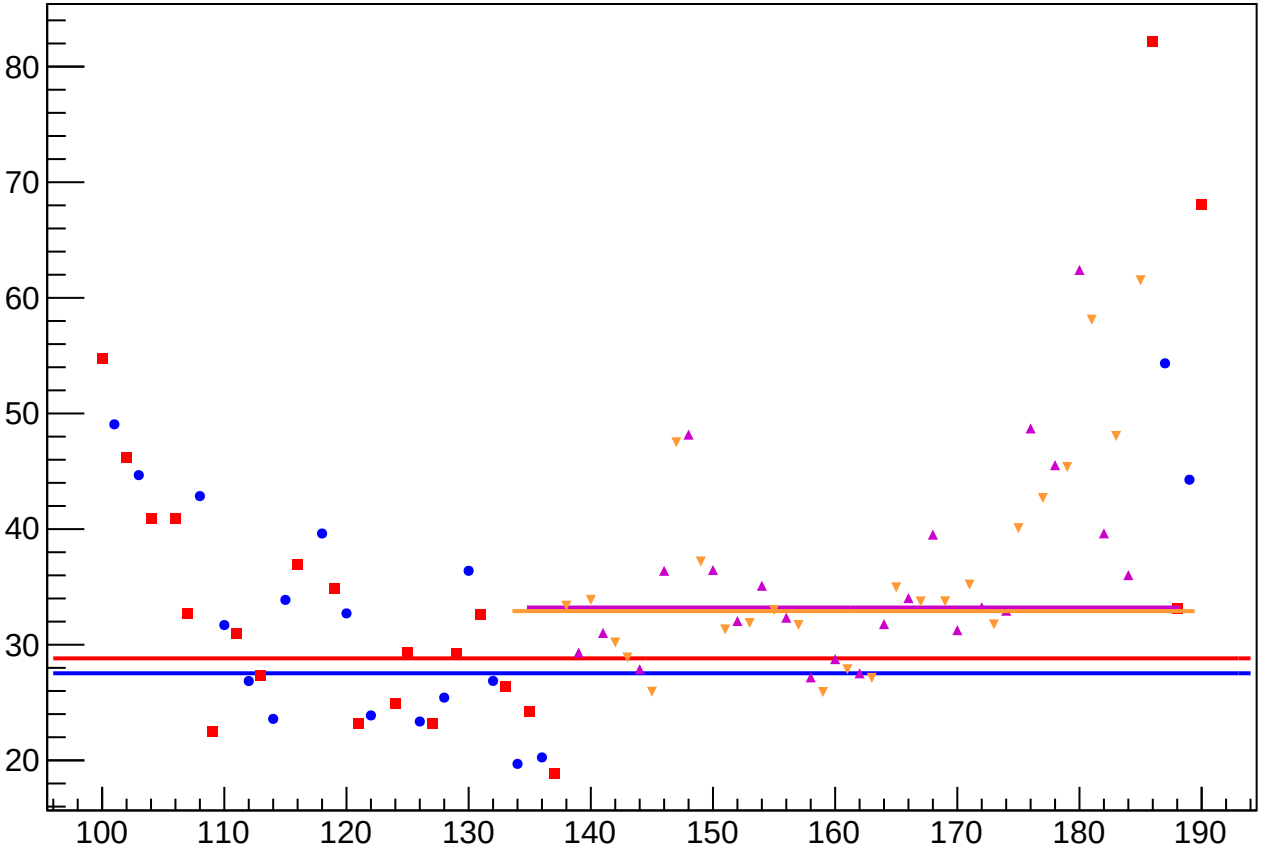
Right: -0.016+/-0.007 χ^2/NDF: 30.9/39

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.003+/-0.006 χ^2/NDF:46.0/46

All: -0.002+/-0.004 χ^2/NDF: 83.0/87

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.531+/-0.007 χ^2/NDF: 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 28.821+/-0.007 χ^2/NDF: 1316505.4/21

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

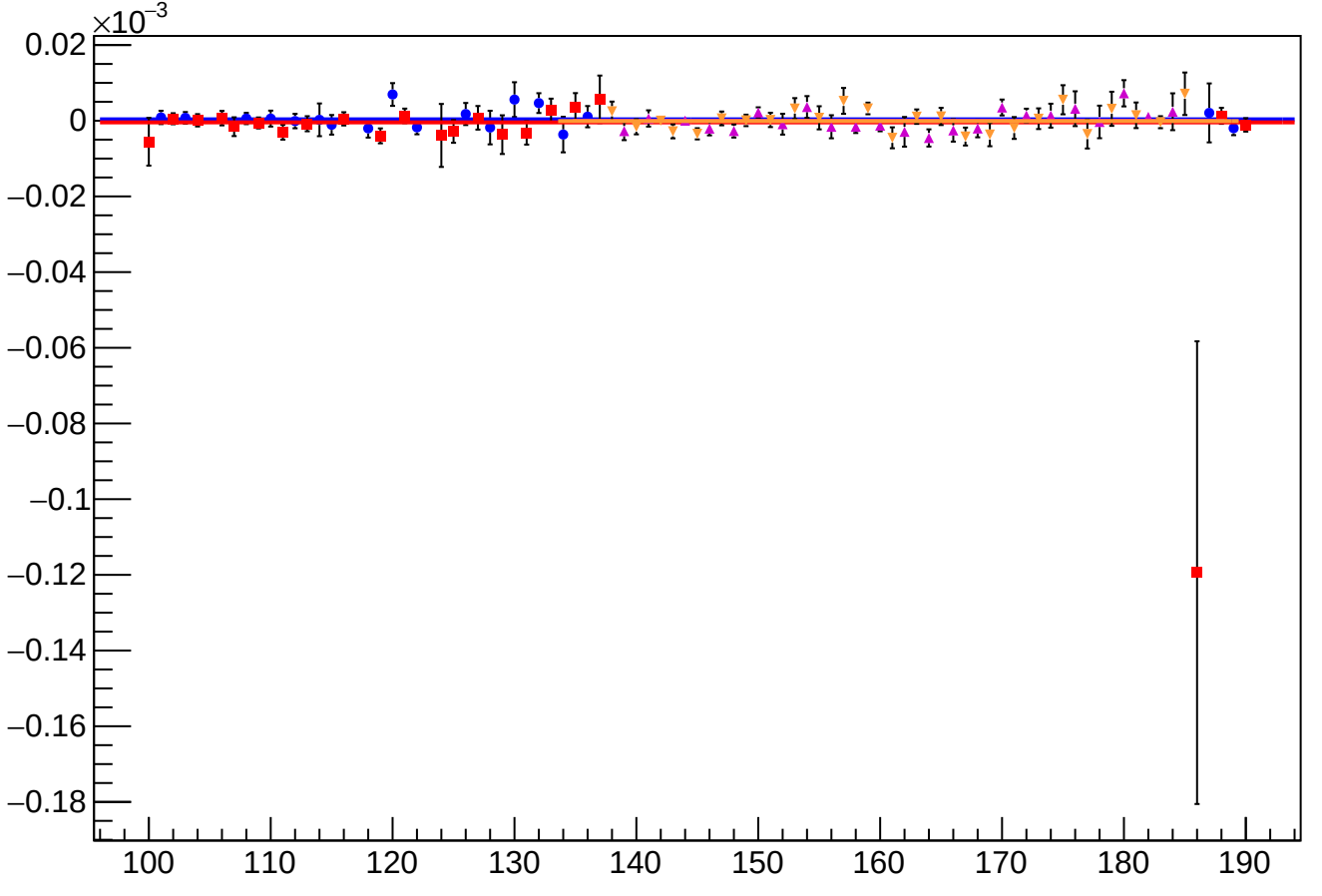
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 28.197+/-0.005 χ^2/NDF: 2690317.1/39

In: 31.098+/-0.004 χ^2/NDF:2959103.4/40

Out: 31.393+/-0.004 χ^2/NDF:2954251.3/46

All: 31.251+/-0.003 χ^2/NDF: 5915621.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/21

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

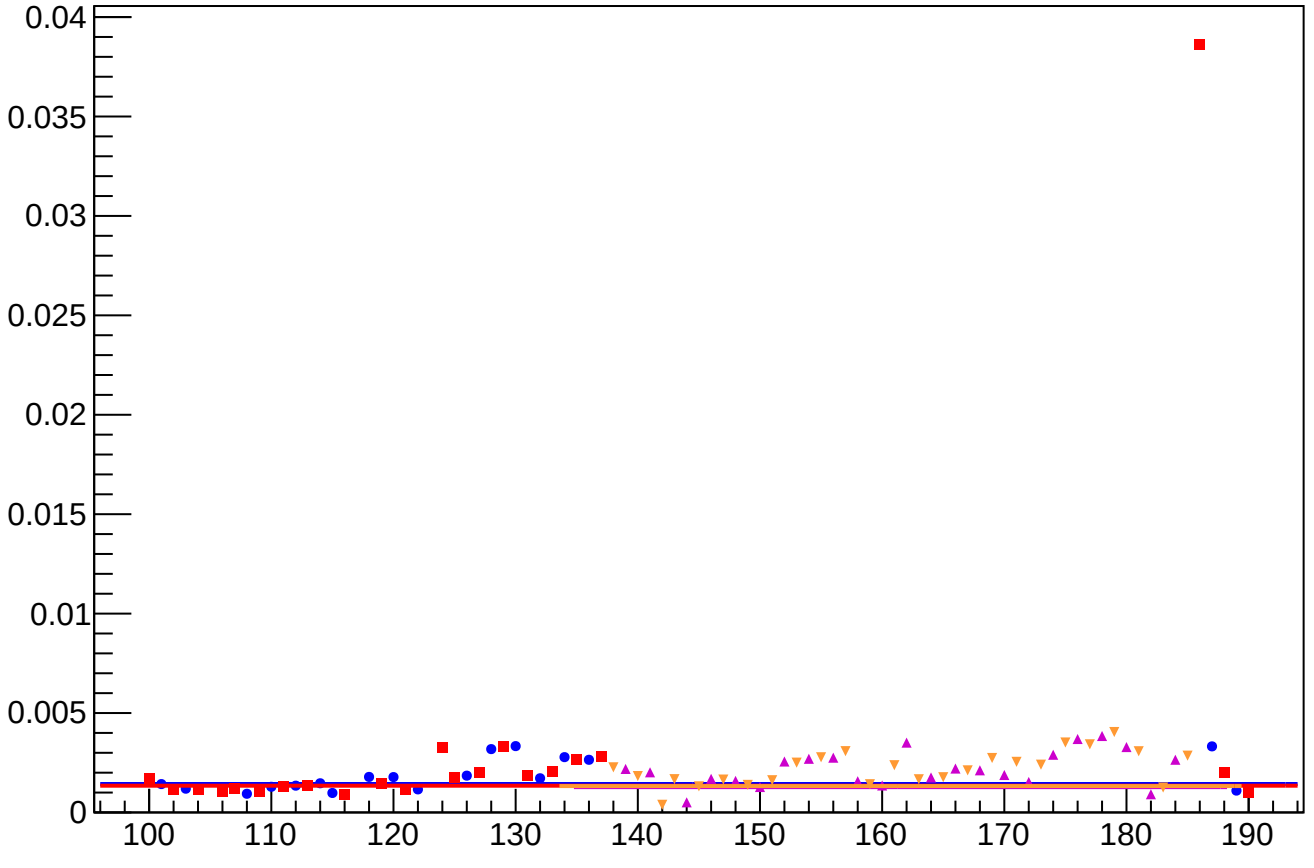
Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

Right: -0.000+/-0.000 χ^2/NDF: 33.5/39

In: 0.000+/-0.000 χ^2/NDF:41.9/40

Out: -0.000+/-0.000 χ^2/NDF:49.1/46

All: -0.000+/-0.000 χ^2/NDF: 91.5/87



Right In: 0.001+/-0.000 χ^2/NDF: 1895664.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2428286.3/21

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

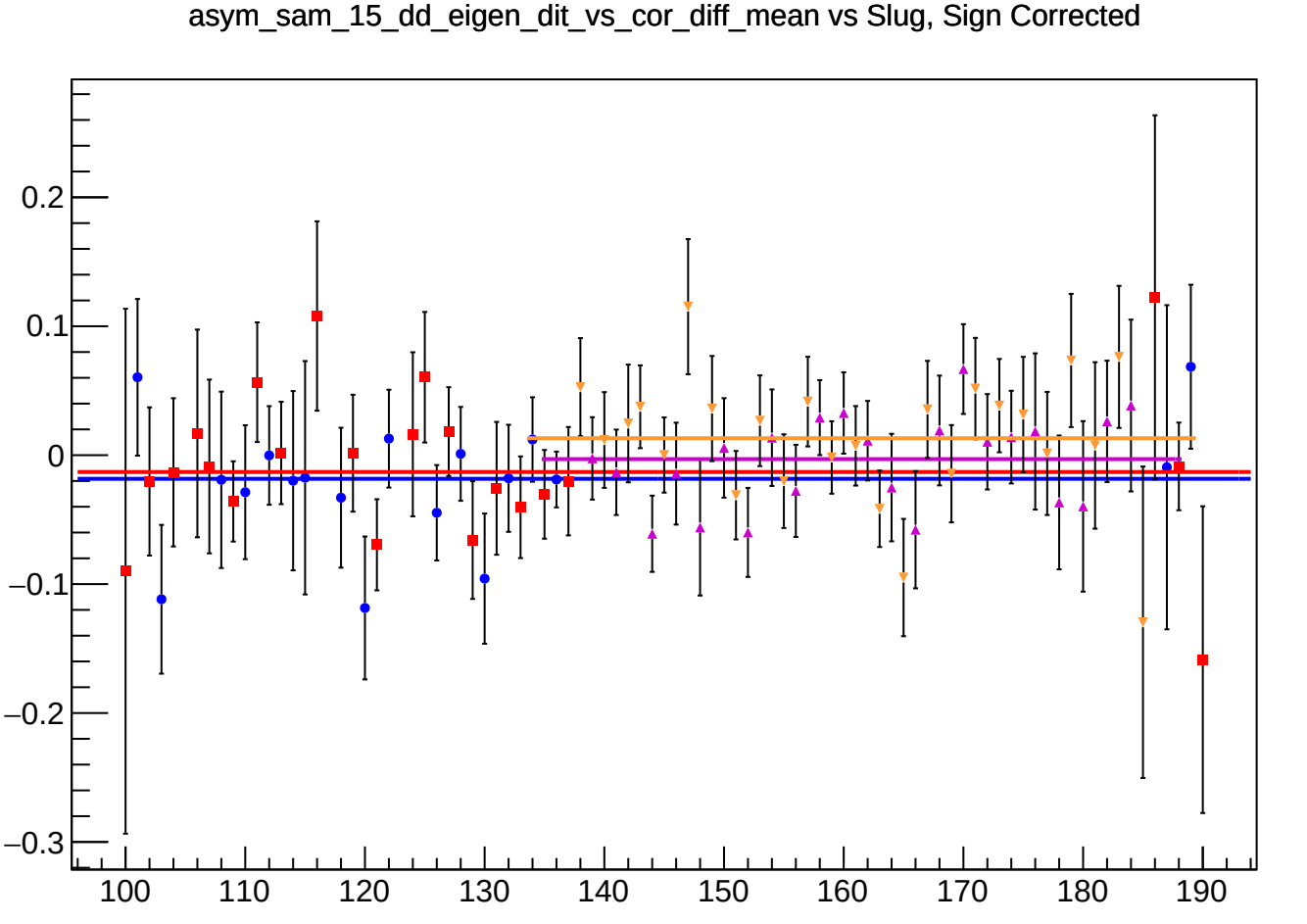
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 4350868.2/39

In: 0.001+/-0.000 χ^2/NDF:11889071.6/40

Out: 0.001+/-0.000 χ^2/NDF:13589656.0/46

All: 0.001+/-0.000 χ^2/NDF: 25480811.2/87



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.010 χ^2/NDF: 16.3/21

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

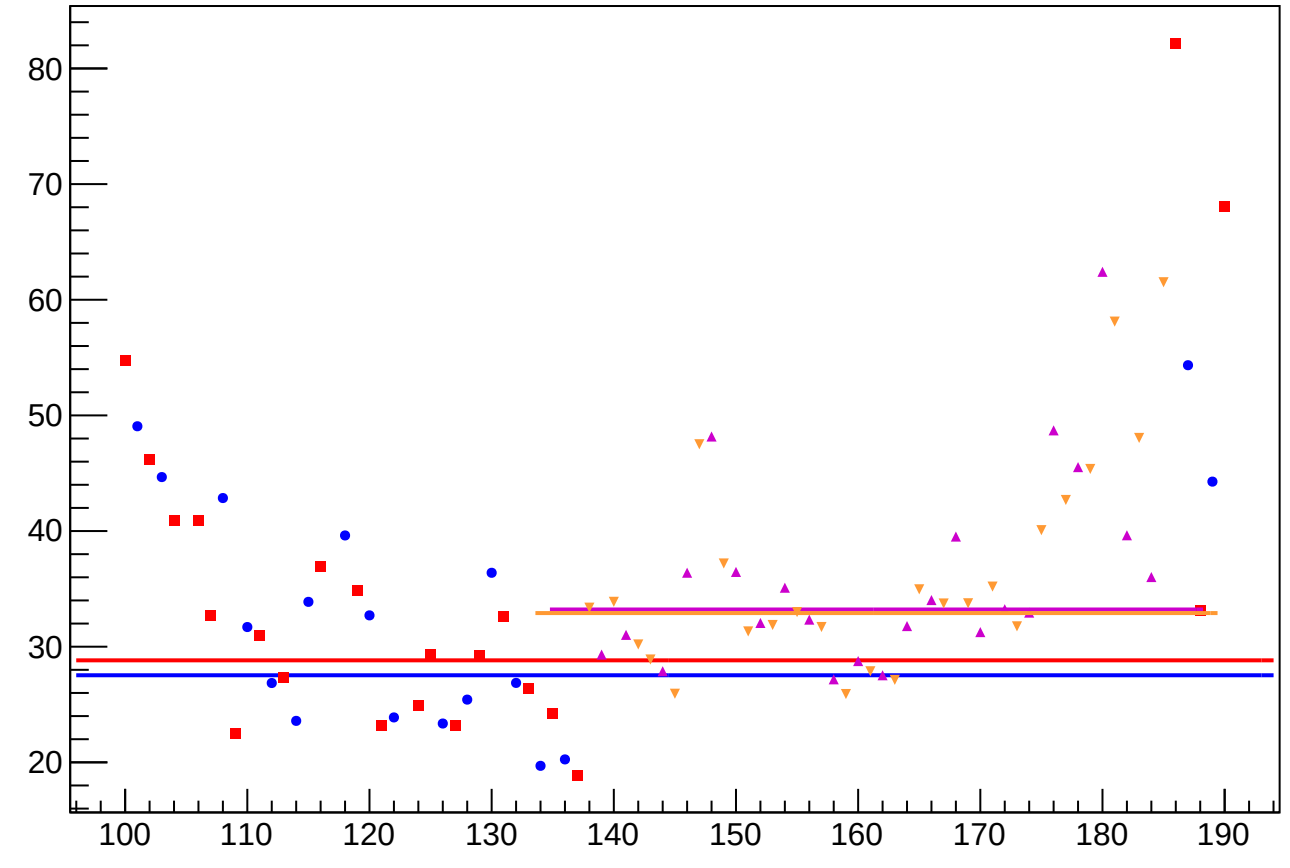
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.016+/-0.007 χ^2/NDF: 30.9/39

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.003+/-0.006 χ^2/NDF:46.0/46

All: -0.002+/-0.004 χ^2/NDF: 83.0/87



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.820+/-0.007 χ^2/NDF: 1316619.7/21

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

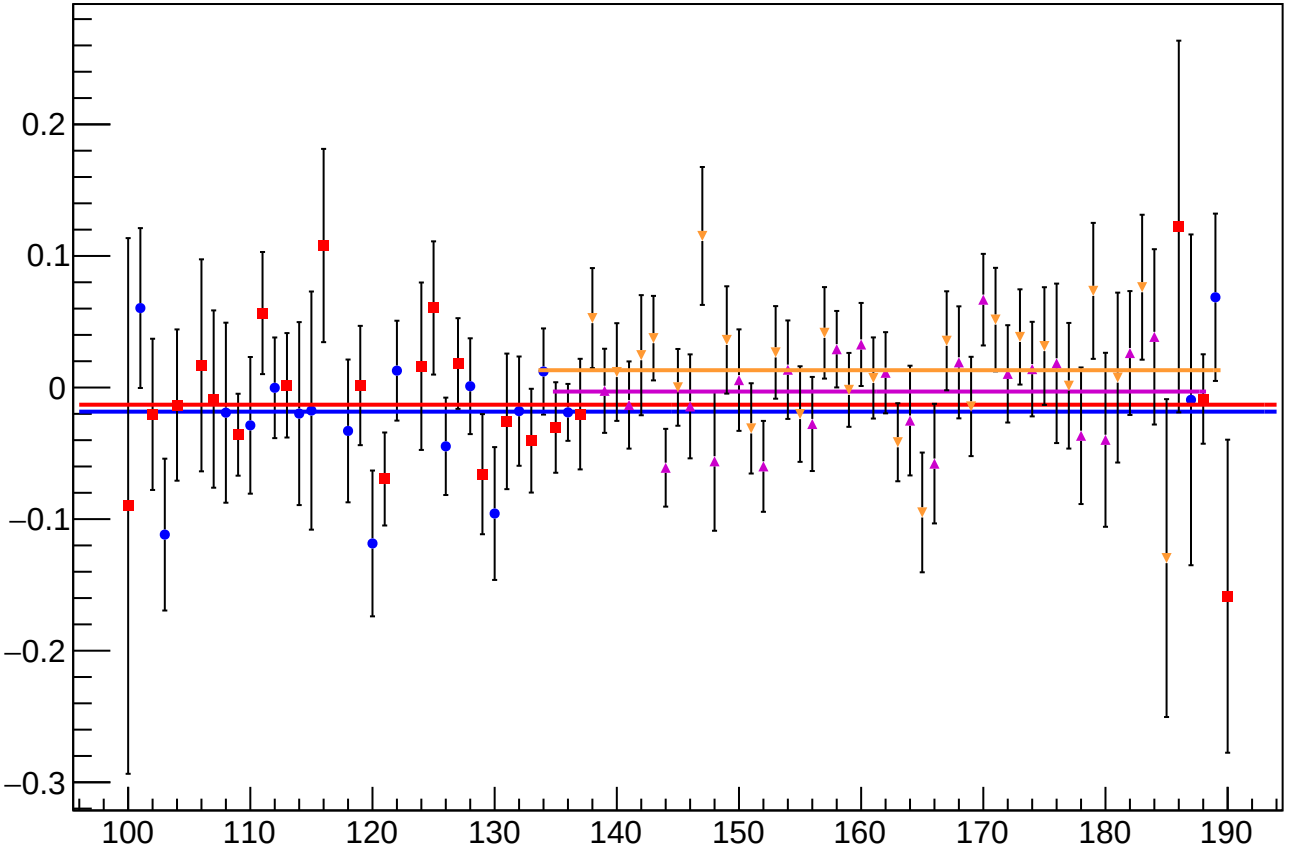
Right: 28.196+/-0.005 χ^2/NDF: 2690488.9/39

In: 31.098+/-0.004 χ^2/NDF:2959370.4/40

Out: 31.393+/-0.004 χ^2/NDF:2954563.2/46

All: 31.250+/-0.003 χ^2/NDF: 5916198.1/87

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.013+/-0.010 χ^2/NDF: 16.3/21

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

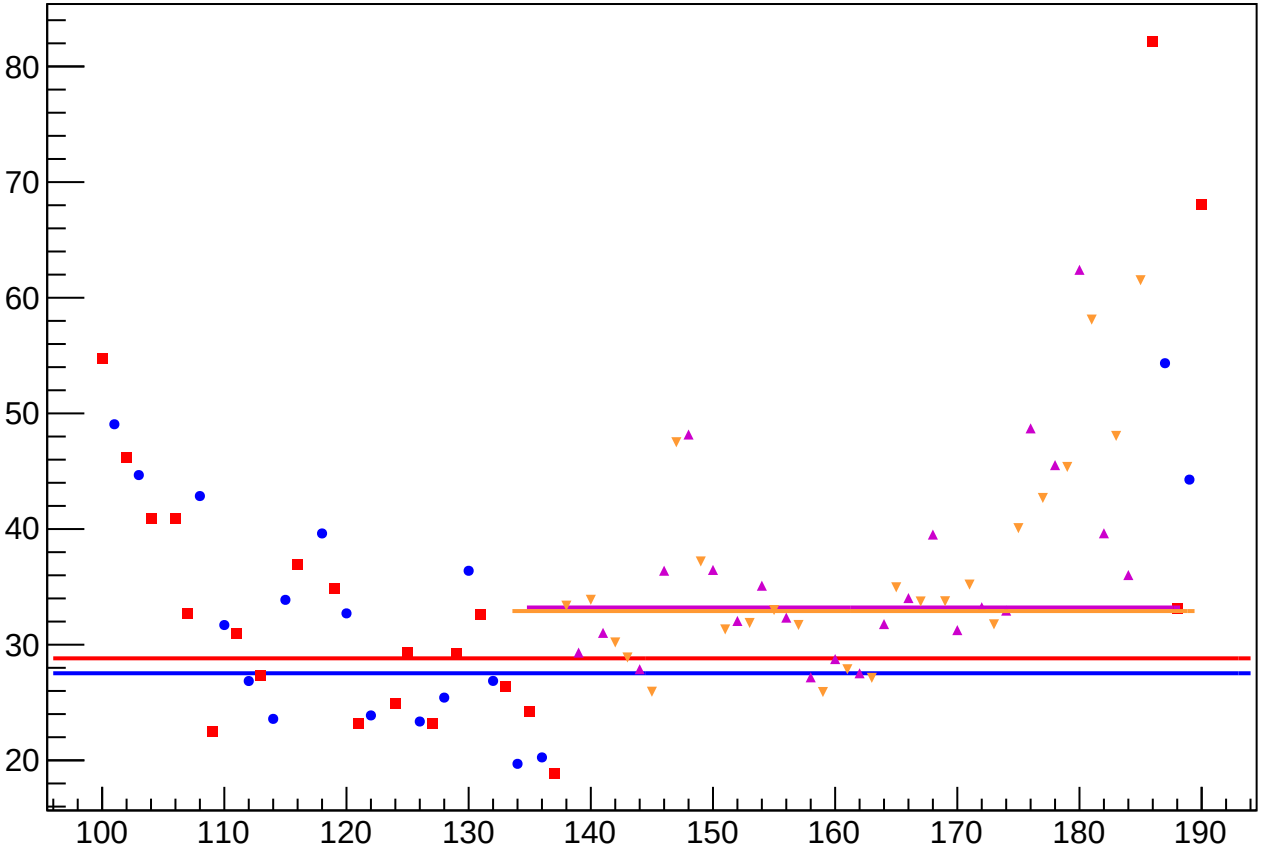
Right: -0.016+/-0.007 χ^2/NDF: 30.9/39

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.003+/-0.006 χ^2/NDF:46.0/46

All: -0.002+/-0.004 χ^2/NDF: 83.0/87

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.820+/-0.007 χ^2/NDF: 1316619.7/21

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

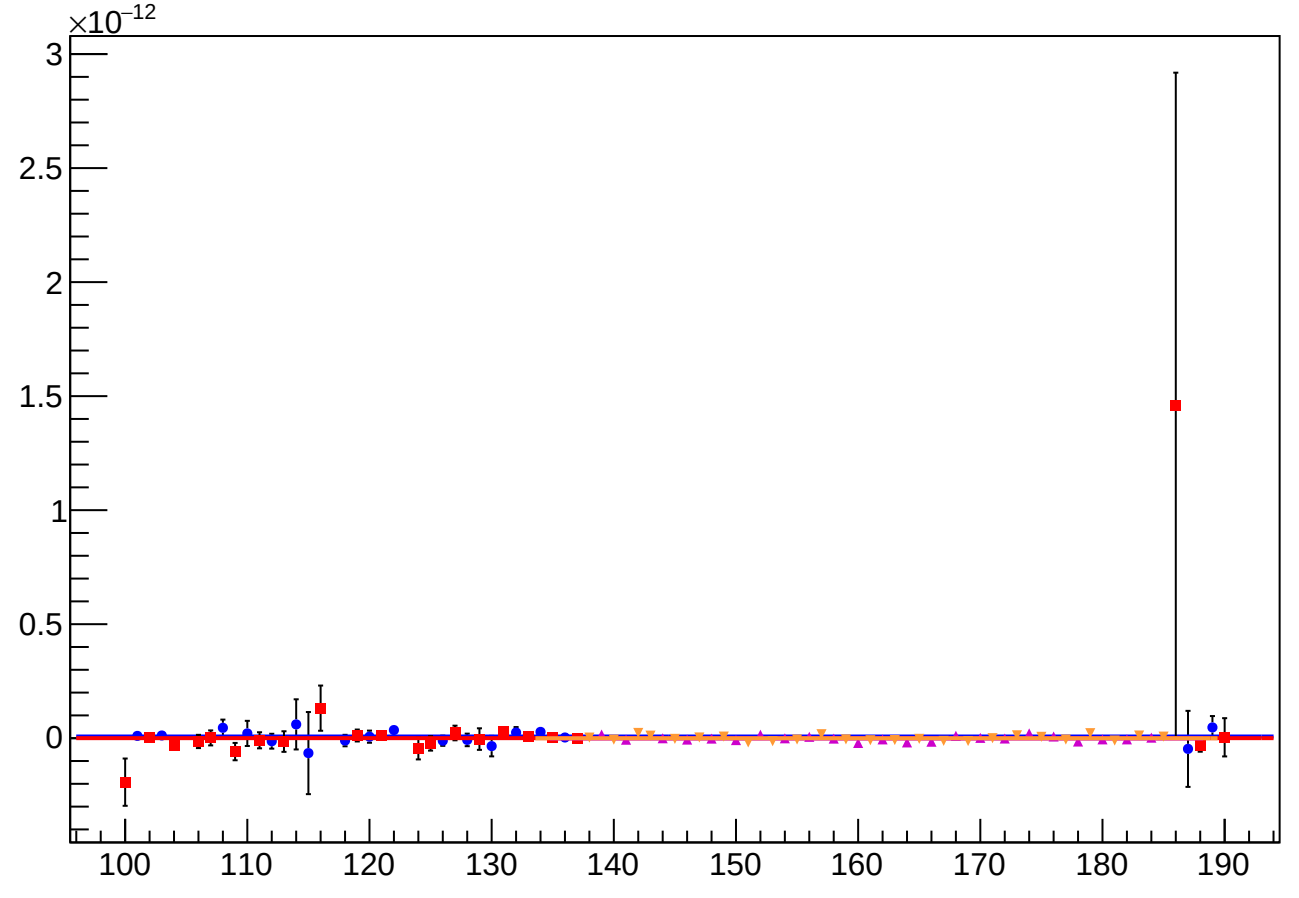
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 28.196+/-0.005 χ^2/NDF: 2690488.9/39

In: 31.098+/-0.004 χ^2/NDF:2959370.4/40

Out: 31.393+/-0.004 χ^2/NDF:2954563.2/46

All: 31.250+/-0.003 χ^2/NDF: 5916198.1/87



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/21

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

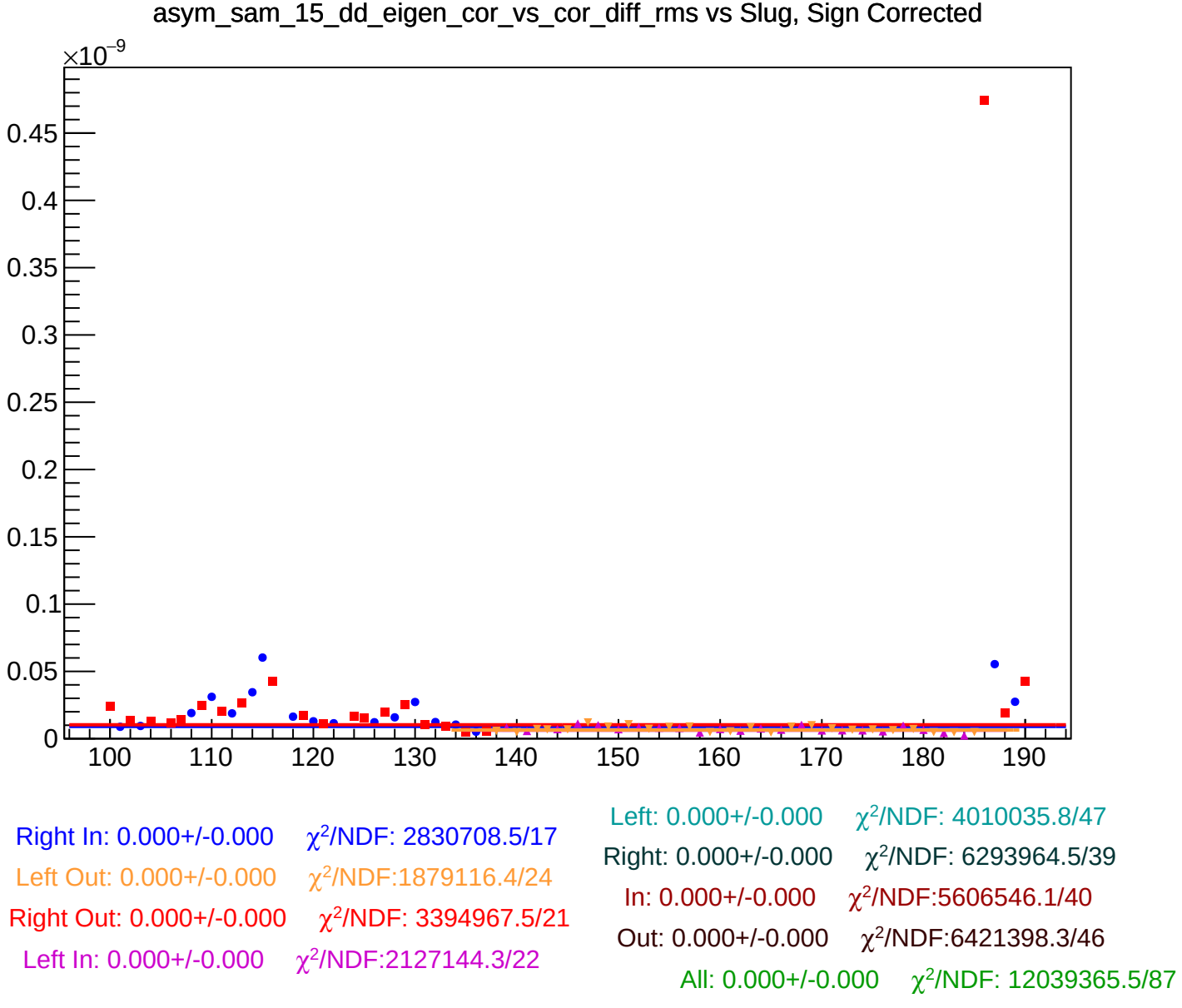
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

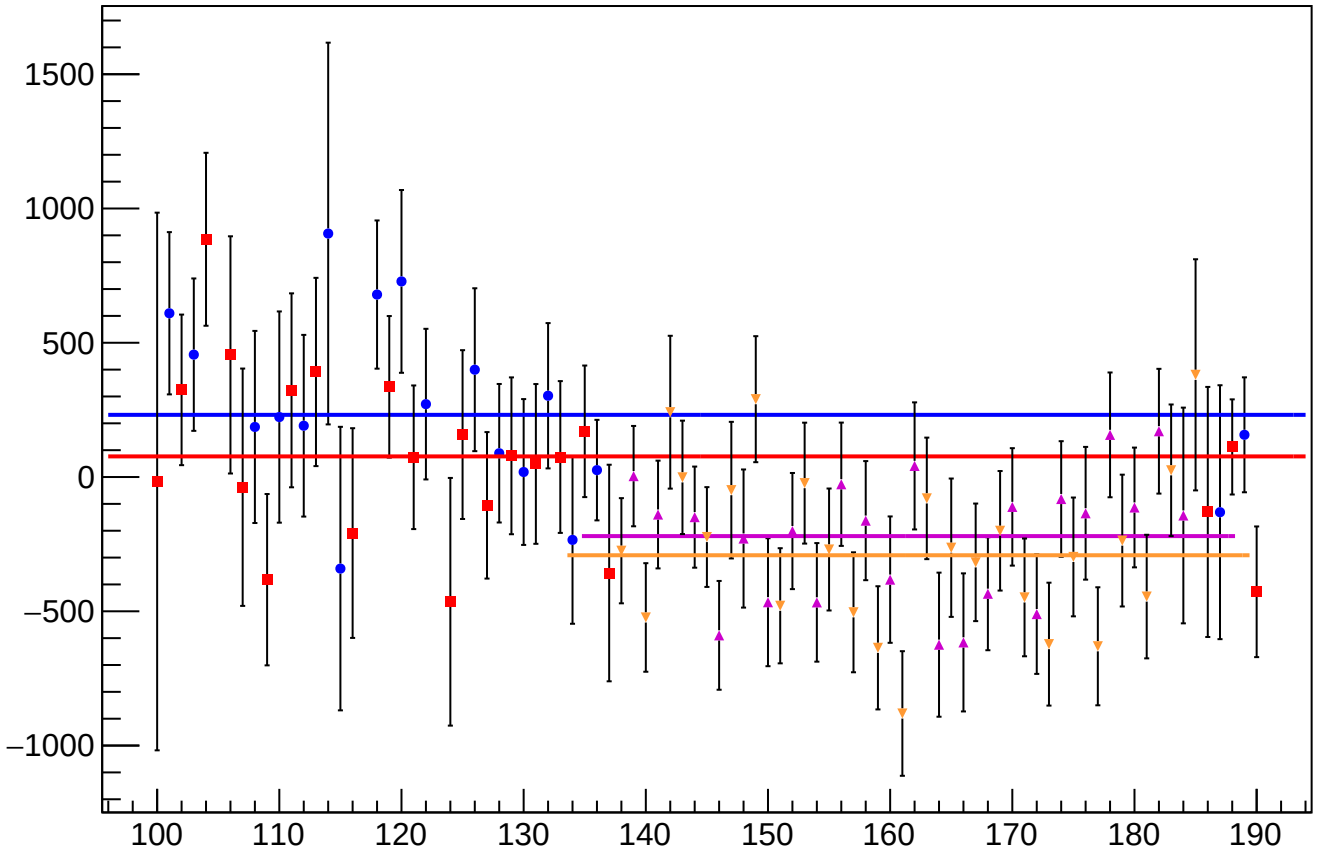
Right: 0.000+/-0.000 χ^2/NDF: 28.1/39

In: 0.000+/-0.000 χ^2/NDF:37.4/40

Out: -0.000+/-0.000 χ^2/NDF:48.9/46

All: -0.000+/-0.000 χ^2/NDF: 86.4/87


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2830708.5/17
Left Out: 0.000+/-0.000 χ²/NDF:1879116.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3394967.5/21
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: 6293964.5/39
In: 0.000+/-0.000 χ²/NDF:5606546.1/40
Out: 0.000+/-0.000 χ²/NDF:6421398.3/46
All: 0.000+/-0.000 χ²/NDF: 12039365.5/87



Right In: 231.566+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 76.818+/-65.348 χ^2/NDF: 20.5/21

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

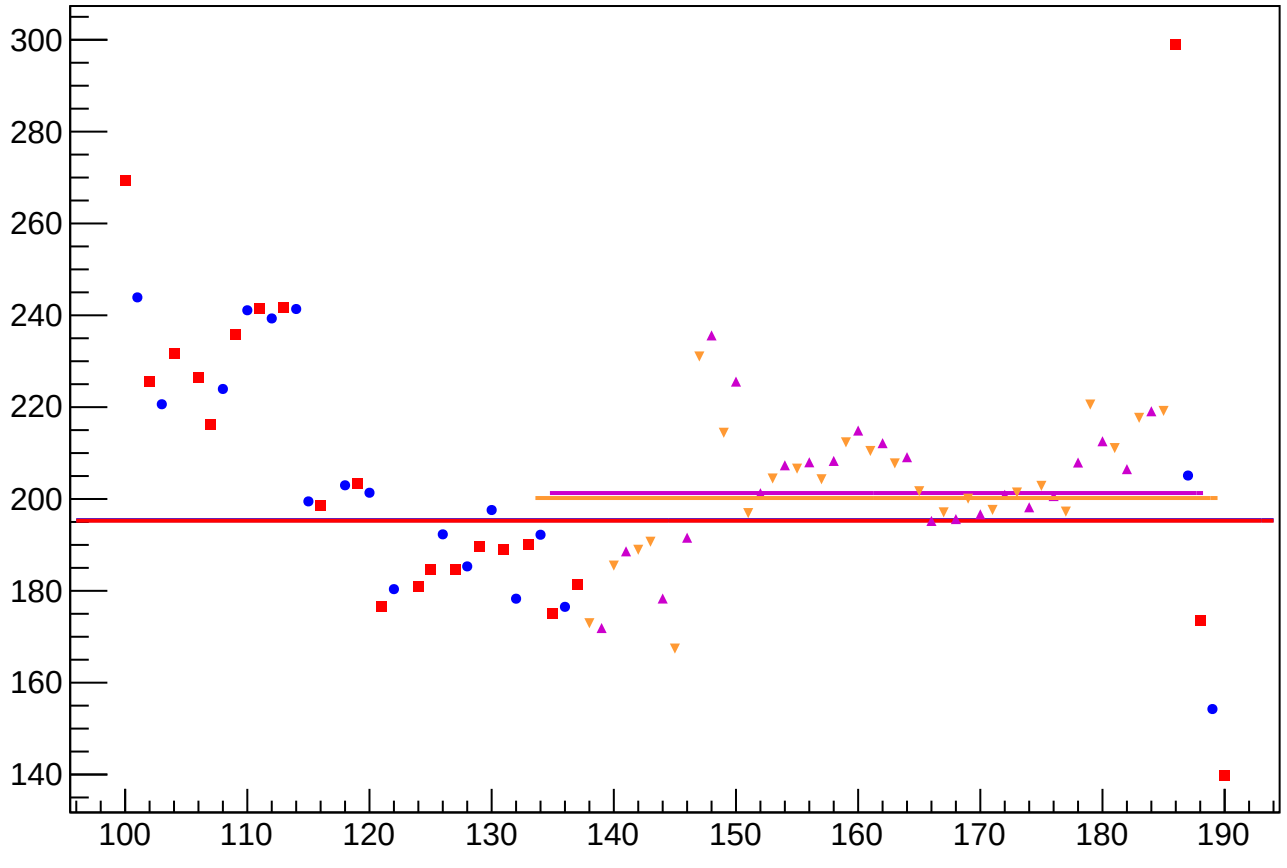
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 148.990+/-47.736 χ^2/NDF: 37.6/39

In: -78.788+/-39.086 χ^2/NDF:66.9/40

Out: -170.712+/-37.403 χ^2/NDF:78.2/46

All: -126.771+/-27.023 χ^2/NDF: 148.0/87



Right In: 195.386+/-0.049 χ^2/NDF: 263895.1/17

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 195.273+/-0.046 χ^2/NDF: 444832.8/21

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

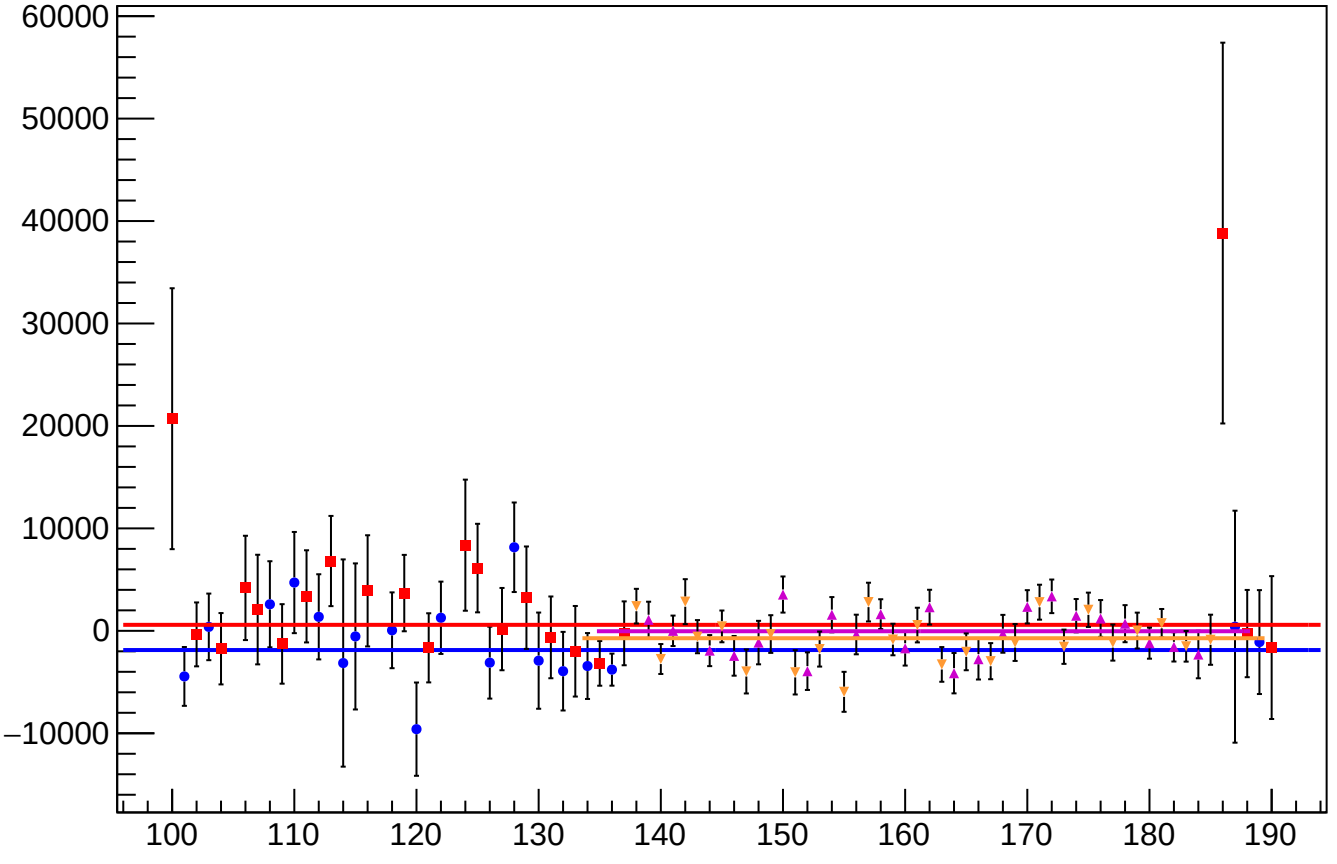
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 195.326+/-0.034 χ^2/NDF: 708730.8/39

In: 199.449+/-0.028 χ^2/NDF:455373.0/40

Out: 198.593+/-0.026 χ^2/NDF:656902.3/46

All: 199.002+/-0.019 χ^2/NDF: 1112776.6/87



Right In: -1874.920+/-844.661 χ^2/NDF: 16.3/17

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 585.572+/-873.061 χ^2/NDF: 19.0/21

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

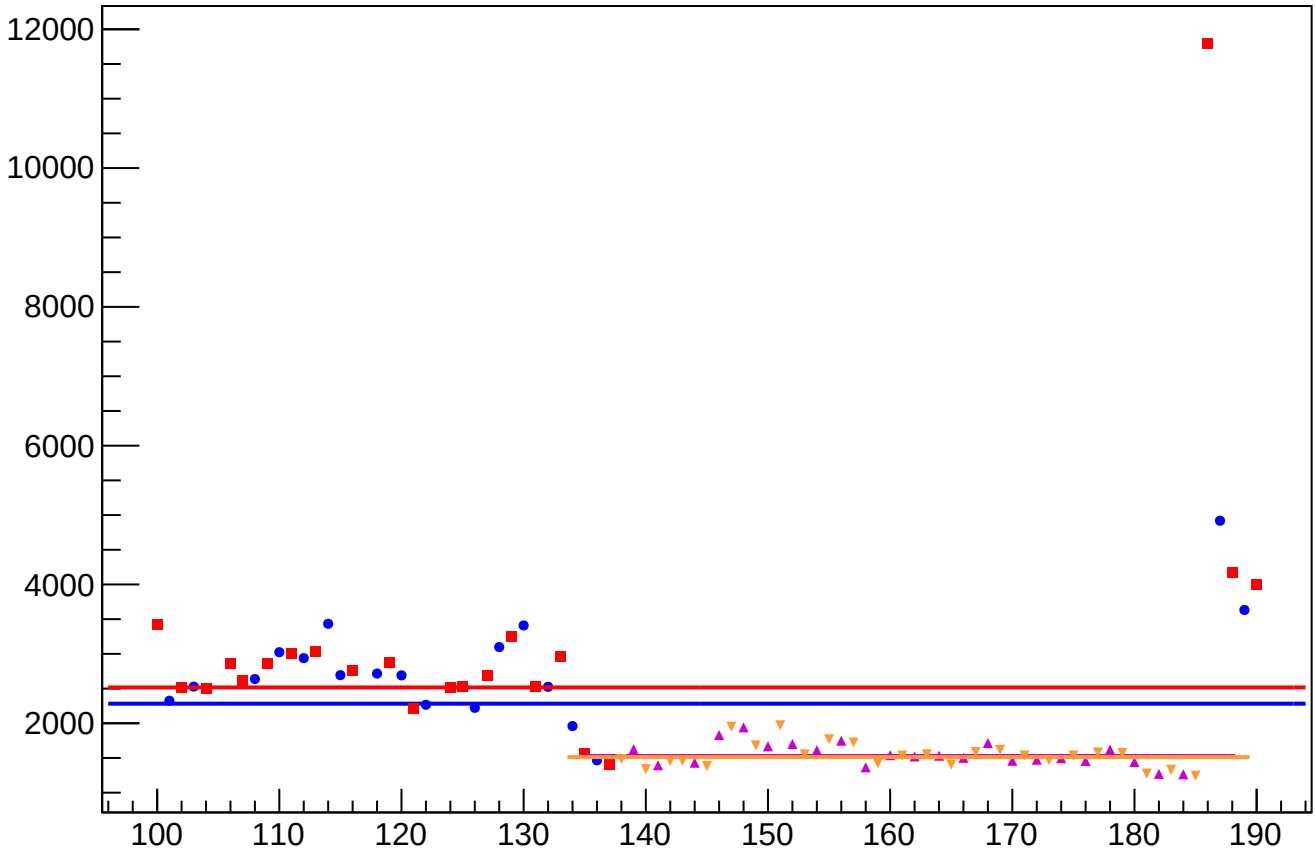
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -685.344+/-607.058 χ^2/NDF: 39.4/39

In: -320.490+/-330.603 χ^2/NDF:54.7/40

Out: -543.054+/-321.963 χ^2/NDF:59.2/46

All: -434.718+/-230.656 χ^2/NDF: 114.2/87



Right In: 2282.346+/-0.597 χ^2/NDF: 1205674.0/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2516.442+/-0.617 χ^2/NDF: 1724925.7/21

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

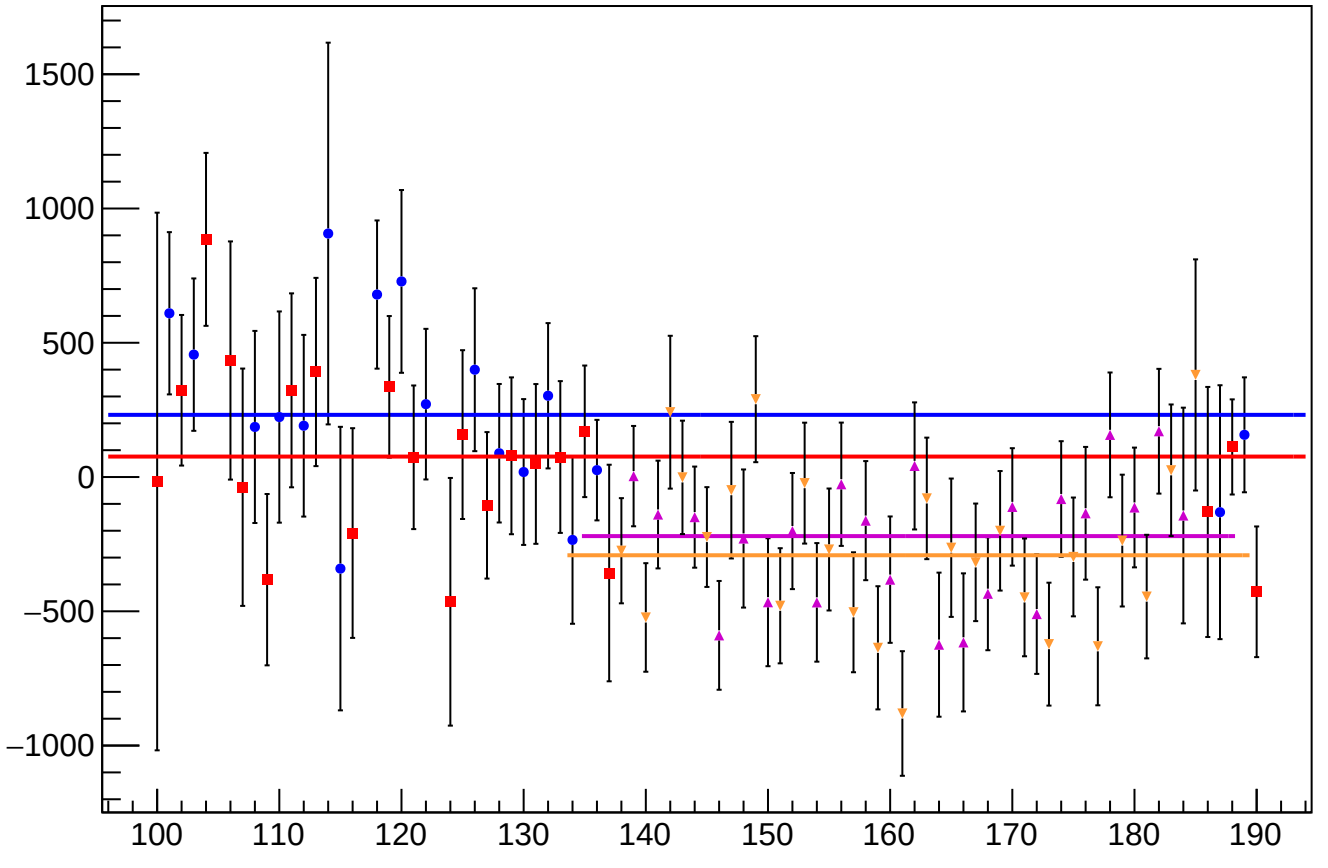
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2395.525+/-0.429 χ^2/NDF: 3004871.1/39

In: 1643.532+/-0.234 χ^2/NDF:2930440.8/40

Out: 1648.914+/-0.228 χ^2/NDF:4453035.9/46

All: 1646.294+/-0.163 χ^2/NDF: 7383748.7/87



Right In: 231.569+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 76.204+/-65.355 χ^2/NDF: 20.4/21

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

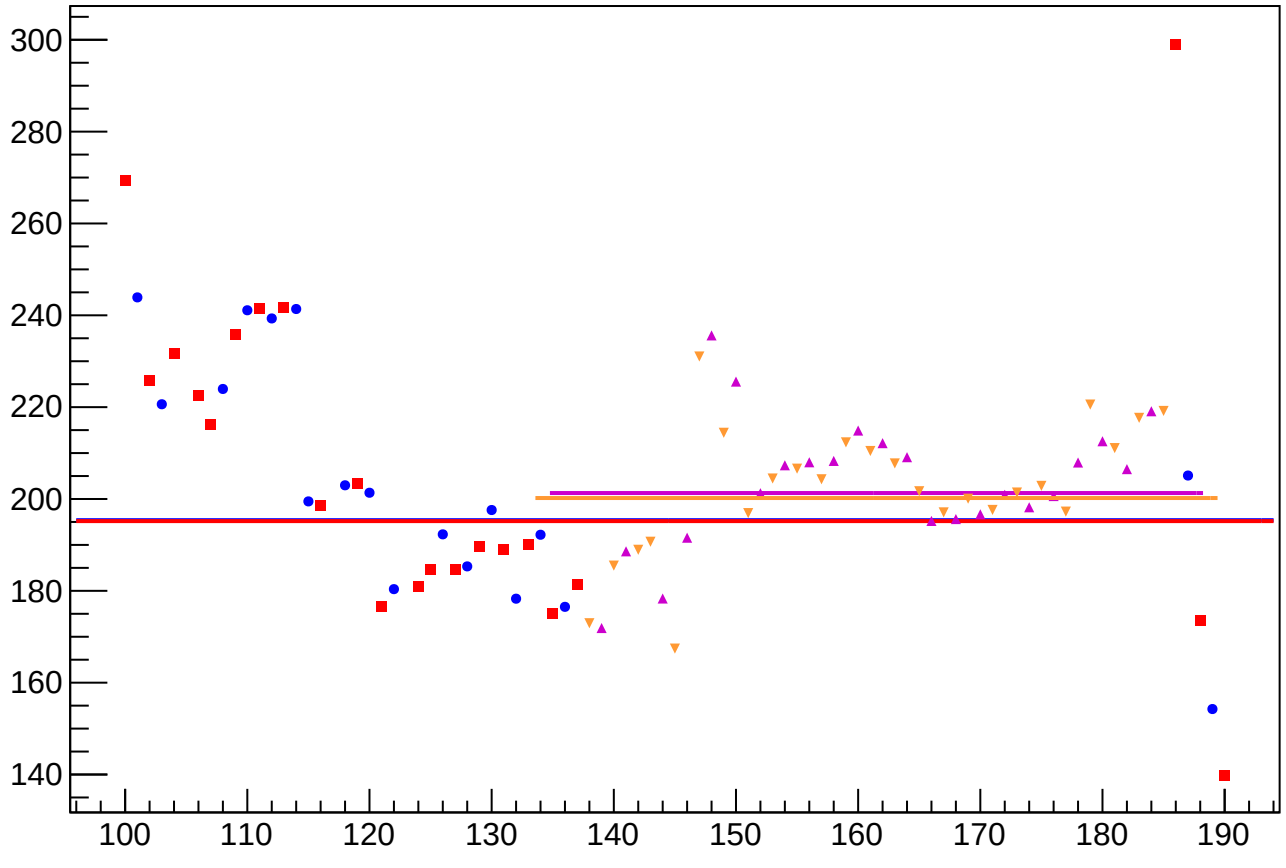
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 148.672+/-47.739 χ^2/NDF: 37.5/39

In: -78.793+/-39.086 χ^2/NDF:66.9/40

Out: -170.932+/-37.405 χ^2/NDF:78.0/46

All: -126.887+/-27.024 χ^2/NDF: 147.8/87



Right In: 195.386+/-0.049 χ^2/NDF: 263895.5/17

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 195.184+/-0.046 χ^2/NDF: 442497.1/21

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

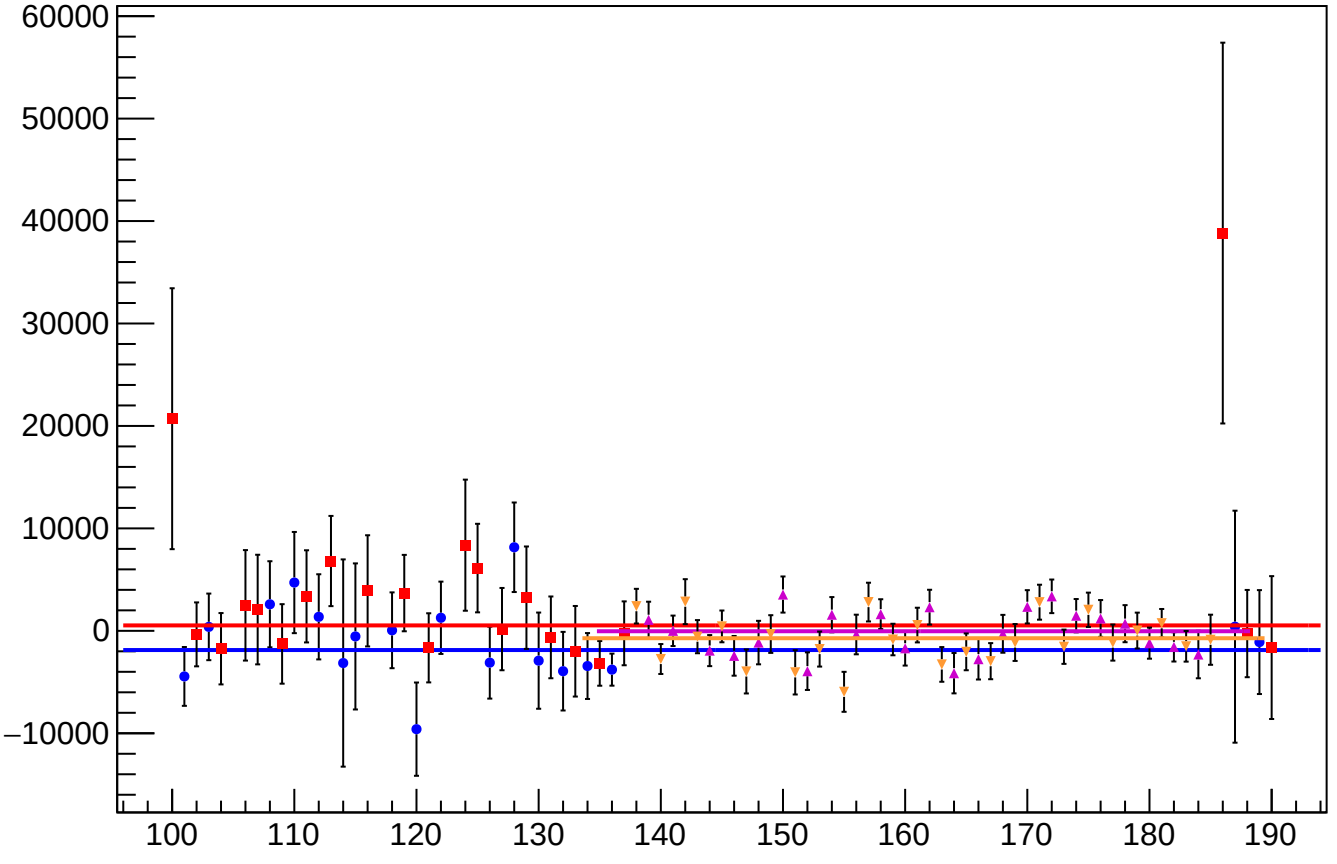
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 195.279+/-0.034 χ^2/NDF: 706401.5/39

In: 199.449+/-0.028 χ^2/NDF:455373.3/40

Out: 198.564+/-0.026 χ^2/NDF:654842.9/46

All: 198.987+/-0.019 χ^2/NDF: 1110751.8/87



Right In: -1874.883+/-844.663 χ^2/NDF: 16.3/17

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 529.537+/-874.486 χ^2/NDF: 18.6/21

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

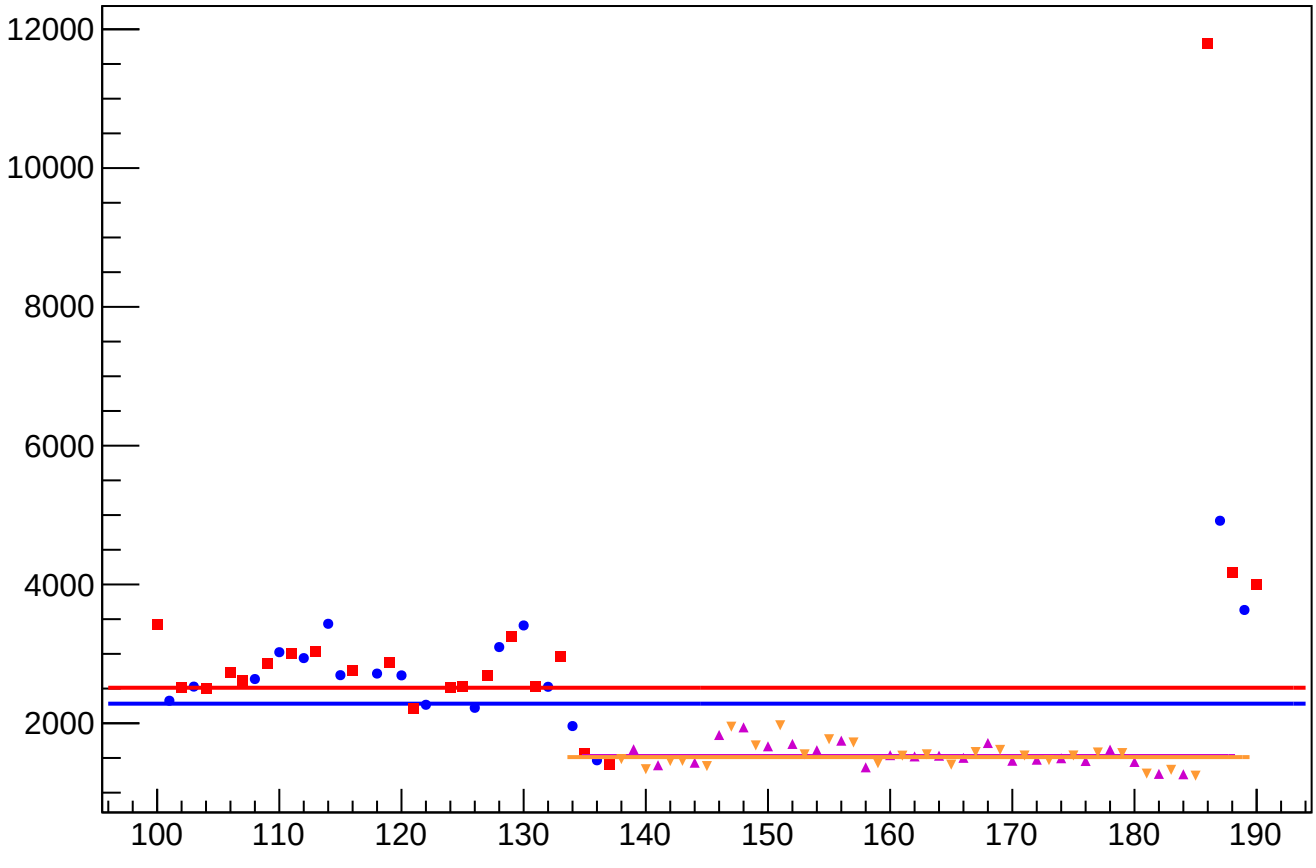
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -714.371+/-607.537 χ^2/NDF: 38.9/39

In: -320.482+/-330.603 χ^2/NDF:54.7/40

Out: -551.157+/-322.034 χ^2/NDF:58.7/46

All: -438.847+/-230.682 χ^2/NDF: 113.7/87



Right In: 2282.350+/-0.597 χ^2/NDF: 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2511.808+/-0.618 χ^2/NDF: 1718543.2/21

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

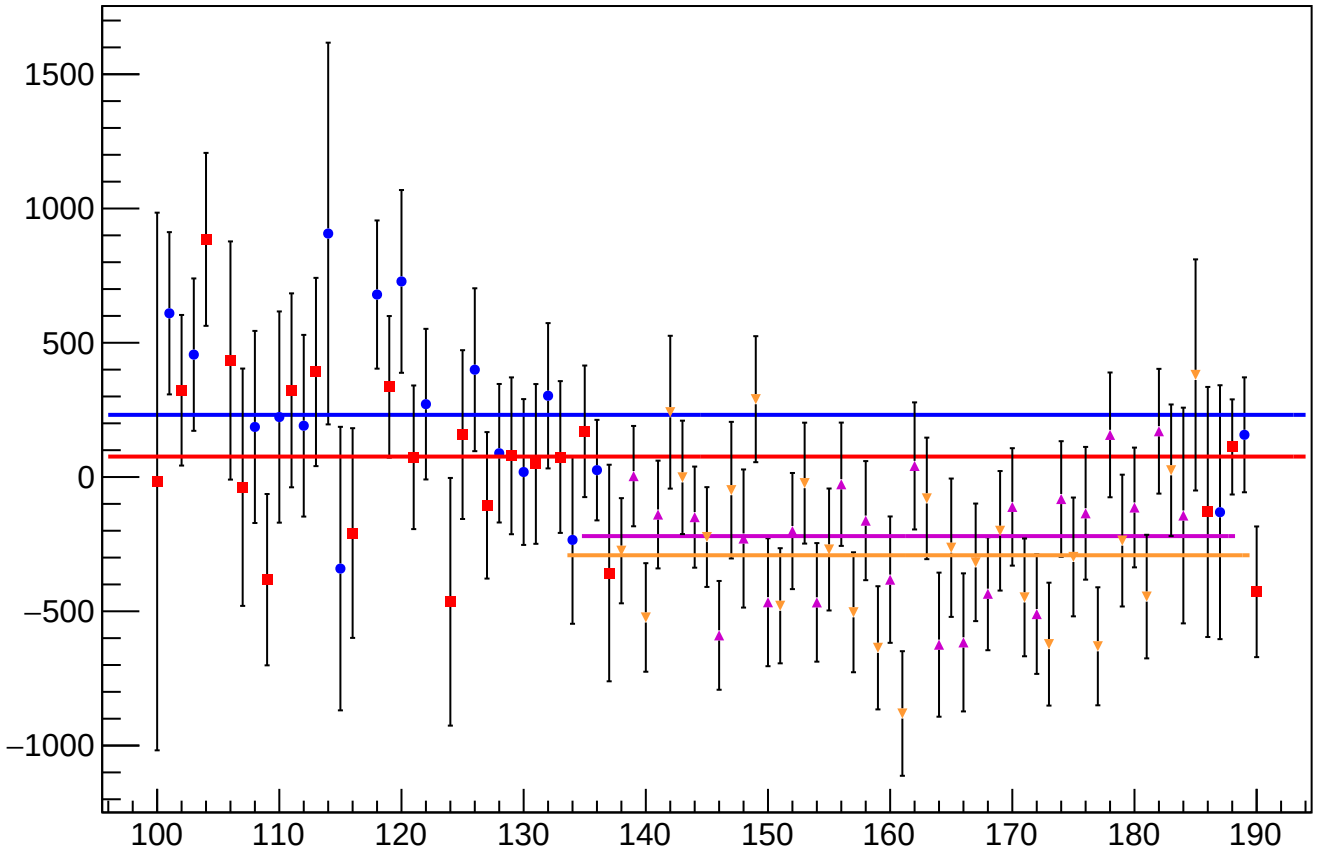
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2393.100+/-0.430 χ^2/NDF: 2995457.8/39

In: 1643.533+/-0.234 χ^2/NDF:2930453.5/40

Out: 1647.901+/-0.228 χ^2/NDF:4419233.8/46

All: 1645.774+/-0.163 χ^2/NDF: 7349866.6/87



Right In: 231.569+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 76.204+/-65.355 χ^2/NDF: 20.4/21

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

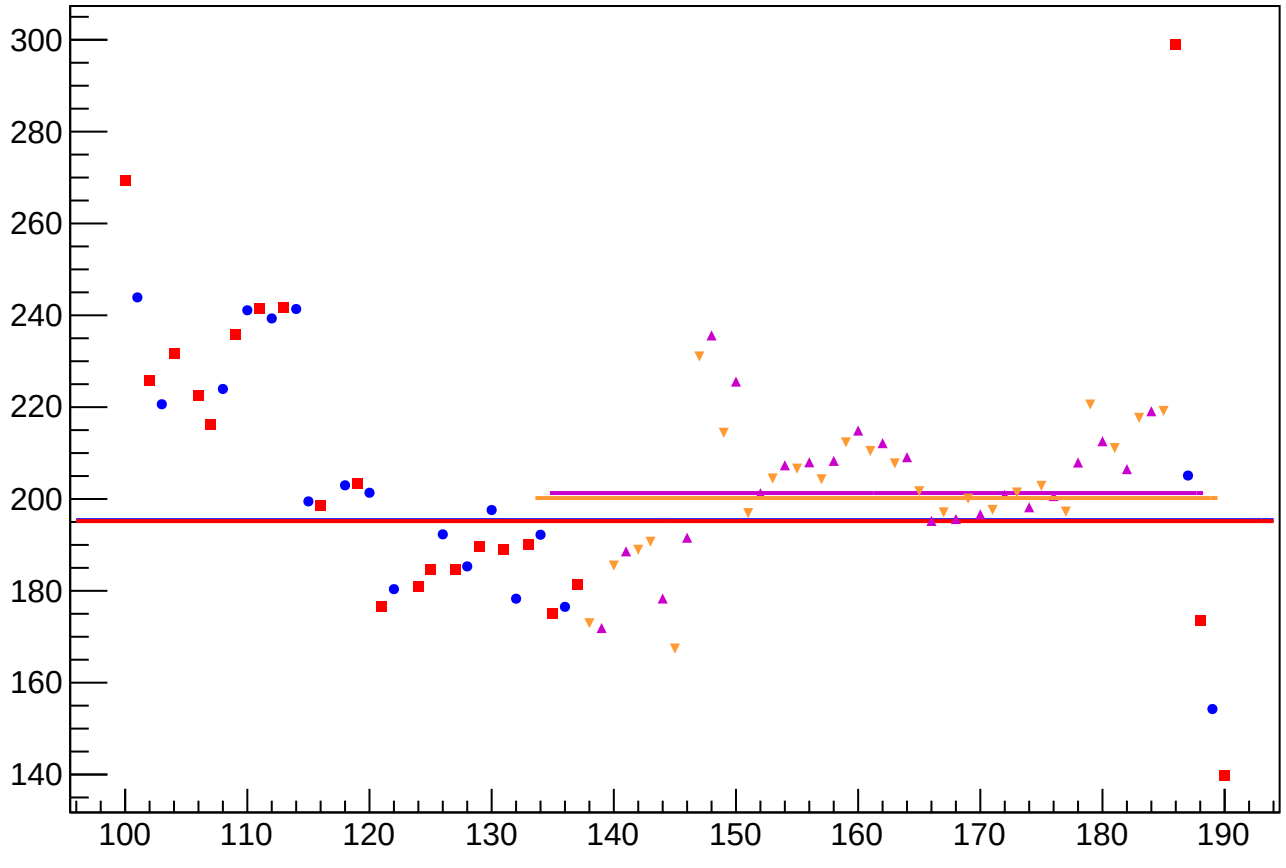
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 148.672+/-47.739 χ^2/NDF: 37.5/39

In: -78.793+/-39.086 χ^2/NDF:66.9/40

Out: -170.932+/-37.405 χ^2/NDF:78.0/46

All: -126.887+/-27.024 χ^2/NDF: 147.8/87



Right In: 195.386+/-0.049 χ^2/NDF: 263895.5/17

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 195.184+/-0.046 χ^2/NDF: 442497.1/21

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

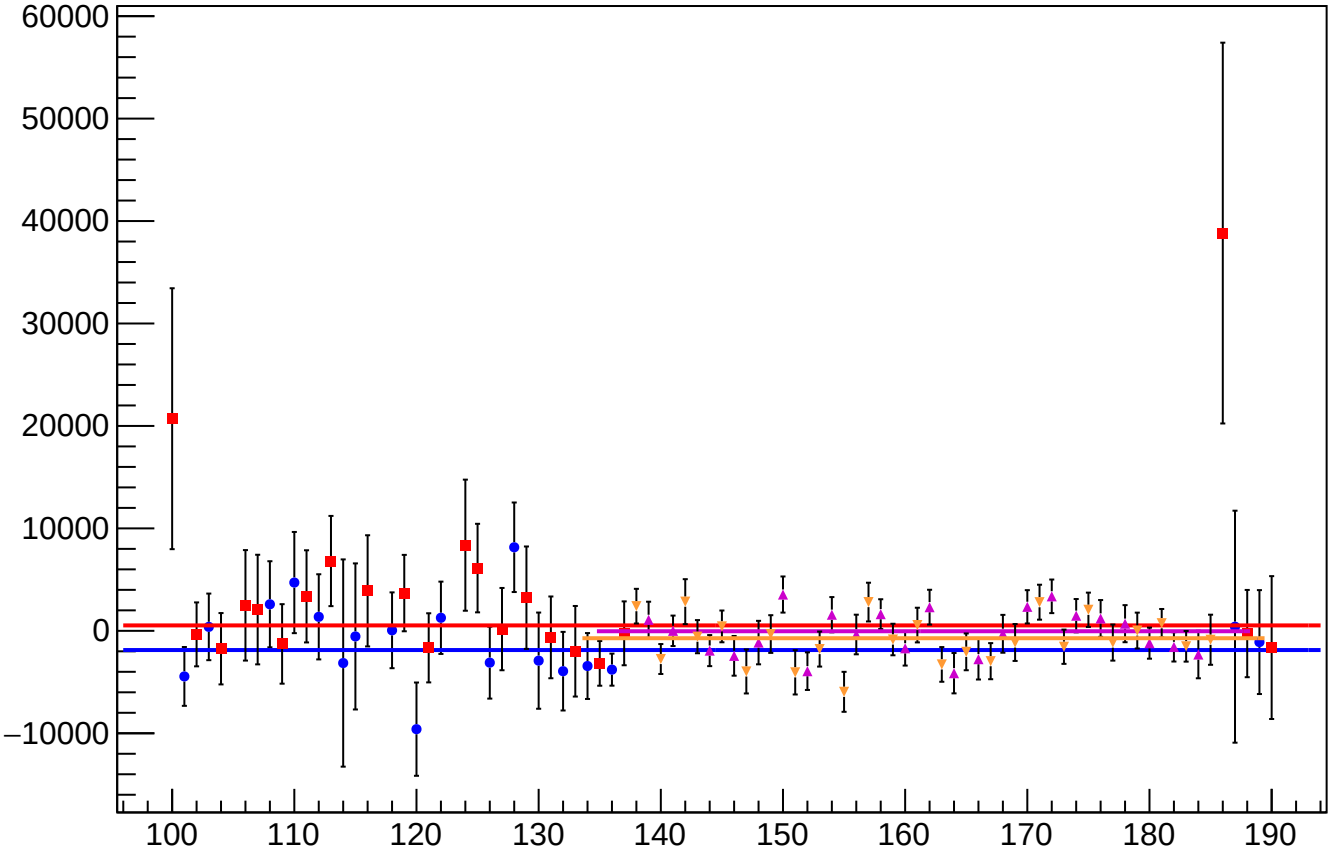
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 195.279+/-0.034 χ^2/NDF: 706401.5/39

In: 199.449+/-0.028 χ^2/NDF:455373.3/40

Out: 198.564+/-0.026 χ^2/NDF:654842.9/46

All: 198.987+/-0.019 χ^2/NDF: 1110751.8/87



Right In: -1874.883+/-844.663 χ^2/NDF: 16.3/17

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 529.537+/-874.486 χ^2/NDF: 18.6/21

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

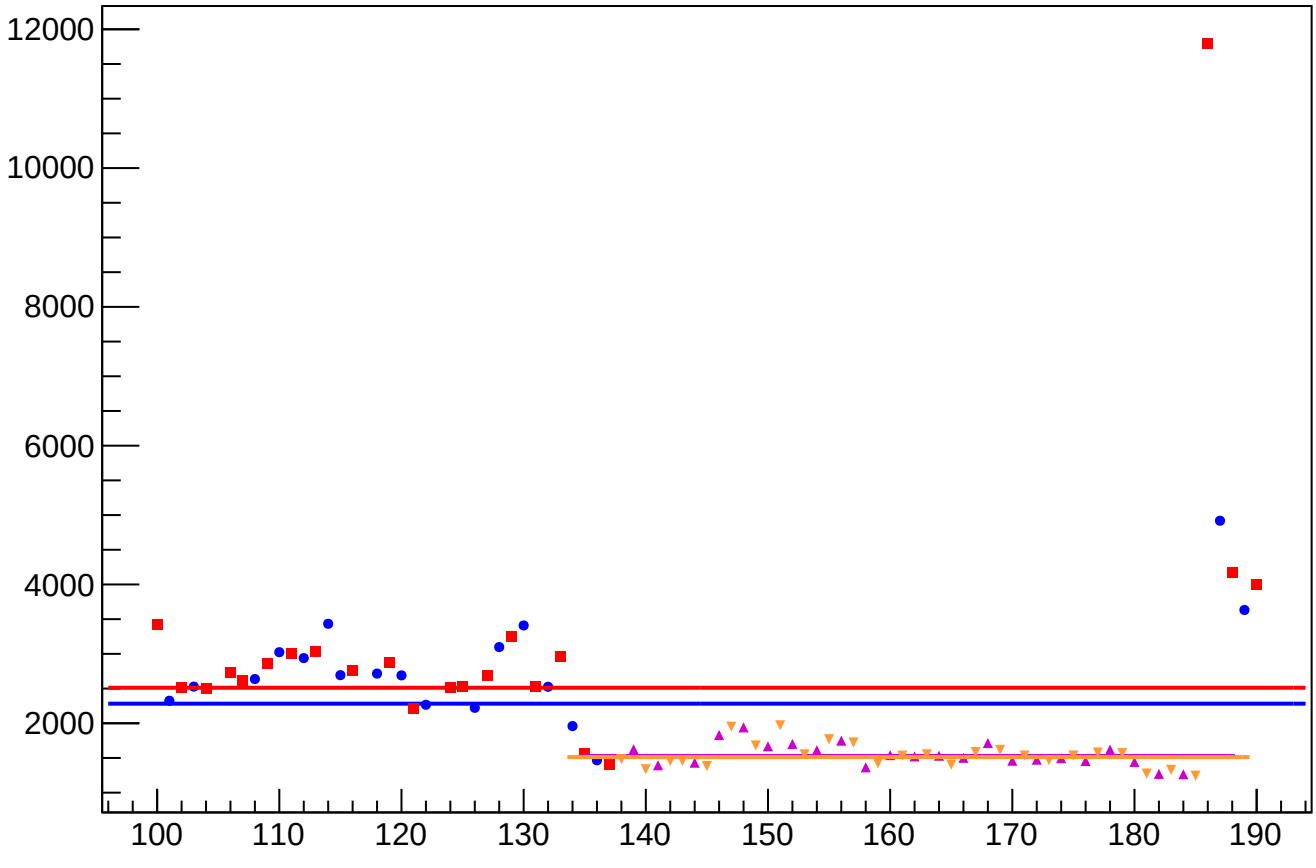
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -714.371+/-607.537 χ^2/NDF: 38.9/39

In: -320.482+/-330.603 χ^2/NDF:54.7/40

Out: -551.157+/-322.034 χ^2/NDF:58.7/46

All: -438.847+/-230.682 χ^2/NDF: 113.7/87



Right In: 2282.350+/-0.597 χ^2/NDF: 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2511.808+/-0.618 χ^2/NDF: 1718543.2/21

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

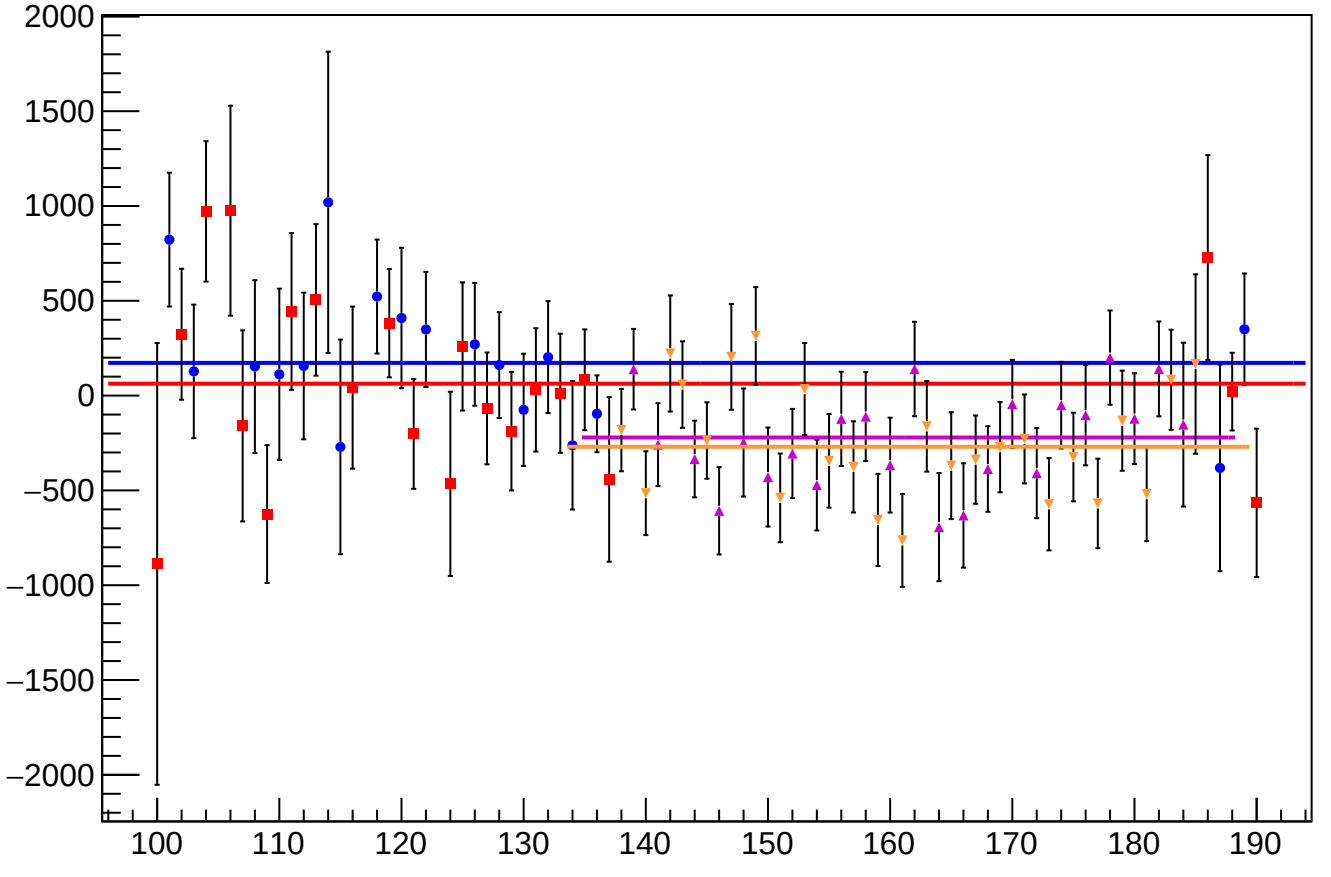
Right: 2393.100+/-0.430 χ^2/NDF: 2995457.8/39

In: 1643.533+/-0.234 χ^2/NDF:2930453.5/40

Out: 1647.901+/-0.228 χ^2/NDF:4419233.8/46

All: 1645.774+/-0.163 χ^2/NDF: 7349866.6/87

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 172.533+/-79.135 χ^2/NDF: 12.9/17

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 62.891+/-74.423 χ^2/NDF: 25.8/21

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

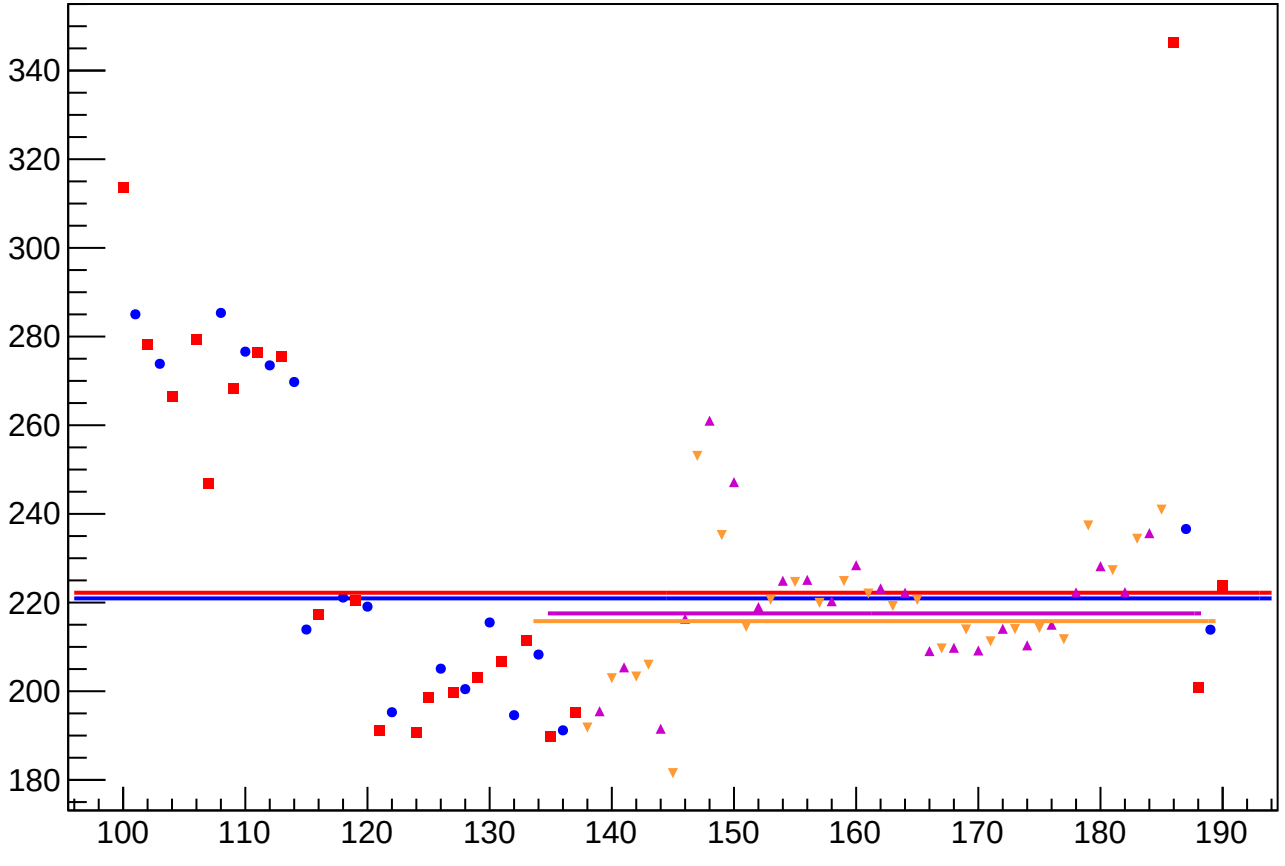
Right: 114.350+/-54.214 χ^2/NDF: 39.7/39

In: -105.606+/-42.842 χ^2/NDF:53.7/40

Out: -168.658+/-41.018 χ^2/NDF:71.2/46

All: -138.503+/-29.628 χ^2/NDF: 126.1/87

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.940+/-0.056 χ^2/NDF: 321515.2/17

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.218+/-0.053 χ^2/NDF: 454472.6/21

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

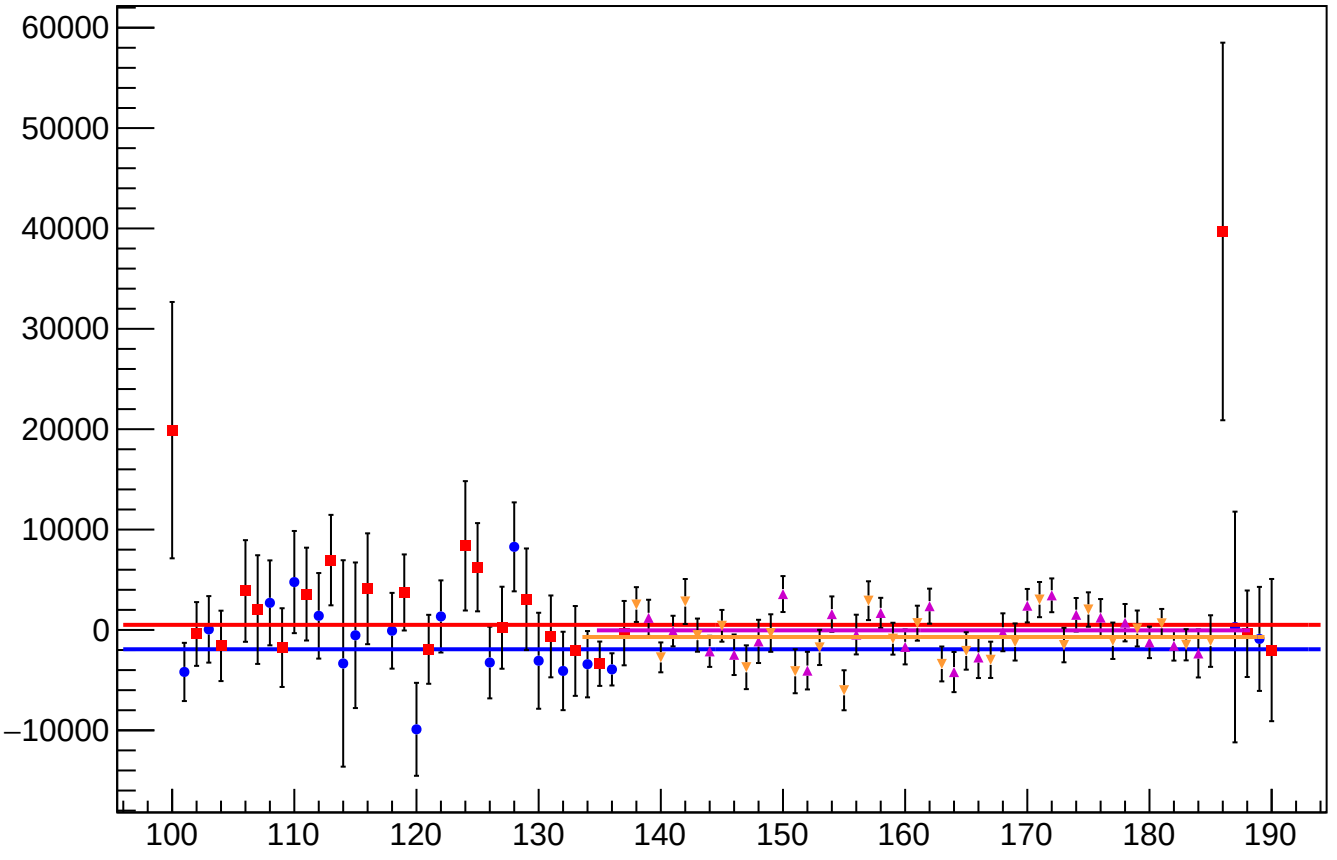
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.618+/-0.038 χ^2/NDF: 776264.8/39

In: 218.547+/-0.030 χ^2/NDF:485168.8/40

Out: 217.754+/-0.029 χ^2/NDF:653507.6/46

All: 218.133+/-0.021 χ^2/NDF: 1139033.6/87



Right In: -1924.953+/-861.897 χ^2/NDF: 16.2/17

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 508.076+/-886.777 χ^2/NDF: 19.3/21

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

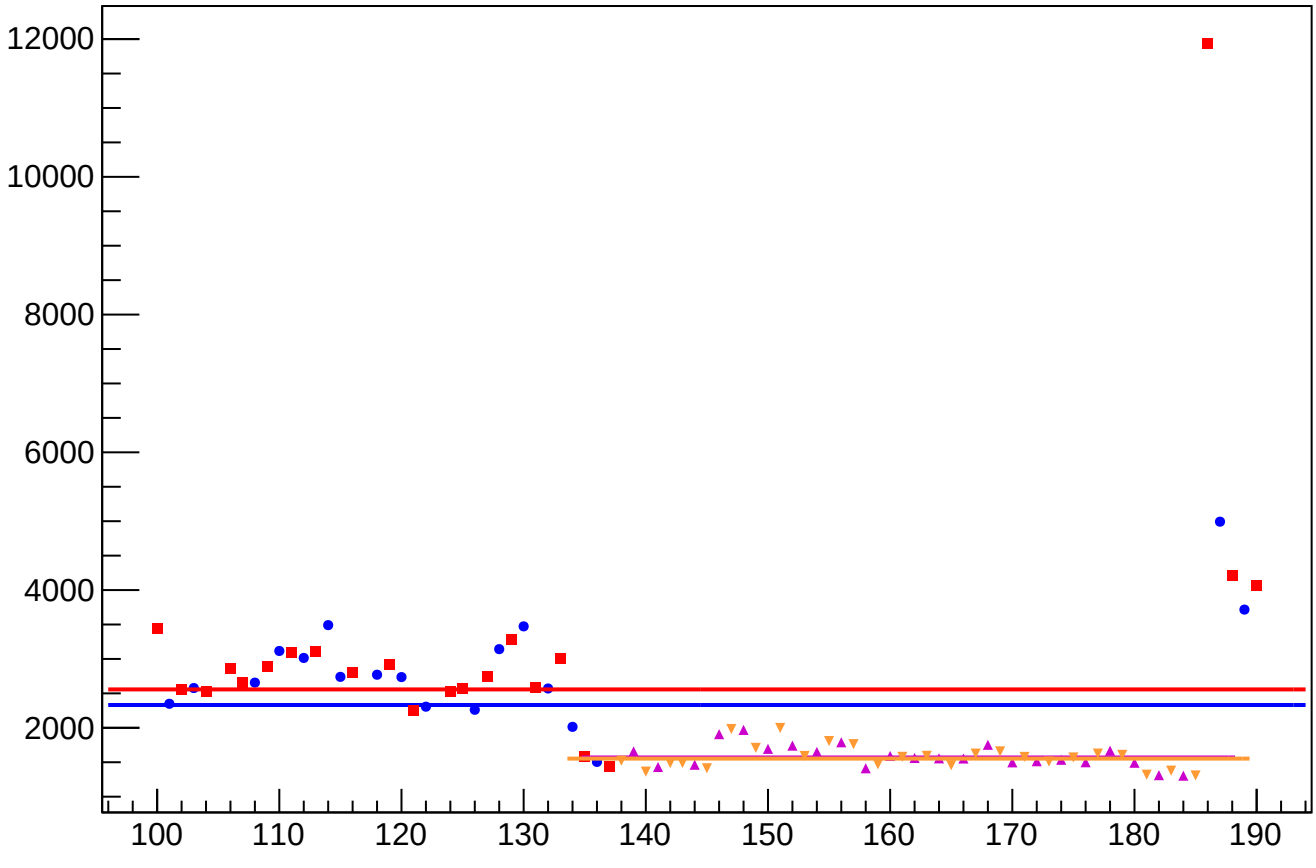
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -743.049+/-618.062 χ^2/NDF: 39.4/39

In: -331.520+/-339.121 χ^2/NDF:54.6/40

Out: -536.217+/-329.942 χ^2/NDF:58.5/46

All: -436.676+/-236.483 χ^2/NDF: 113.3/87



Right In: 2331.256+/-0.609 χ^2/NDF: 1185062.0/17

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2557.512+/-0.627 χ^2/NDF: 1711897.8/21

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

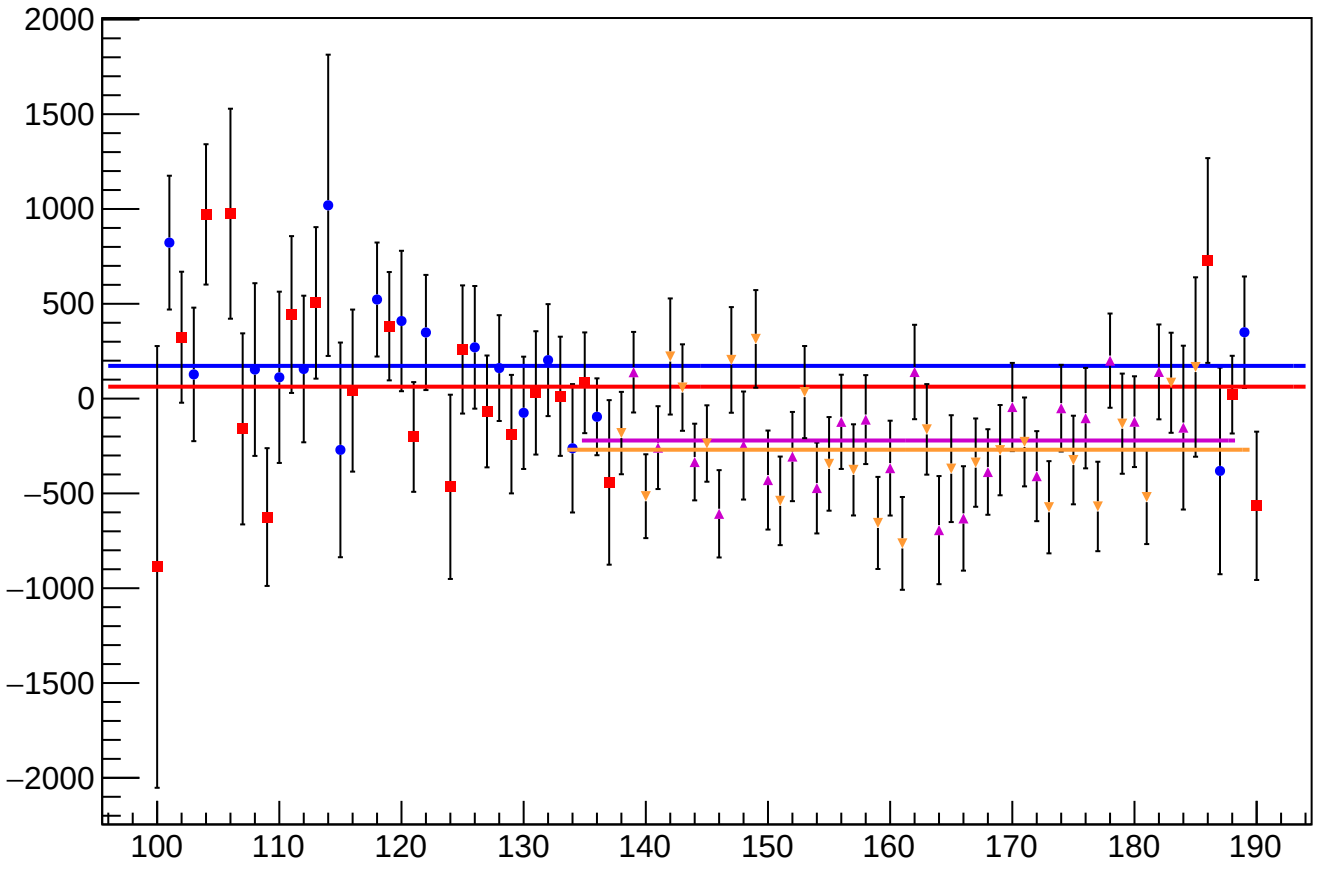
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2441.165+/-0.437 χ^2/NDF: 2963910.6/39

In: 1687.329+/-0.240 χ^2/NDF:2863348.6/40

Out: 1692.076+/-0.233 χ^2/NDF:4332801.2/46

All: 1689.767+/-0.167 χ^2/NDF: 7196351.2/87



Right In: 172.535+/-79.135 χ^2/NDF: 12.9/17

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 62.890+/-74.423 χ^2/NDF: 25.8/21

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

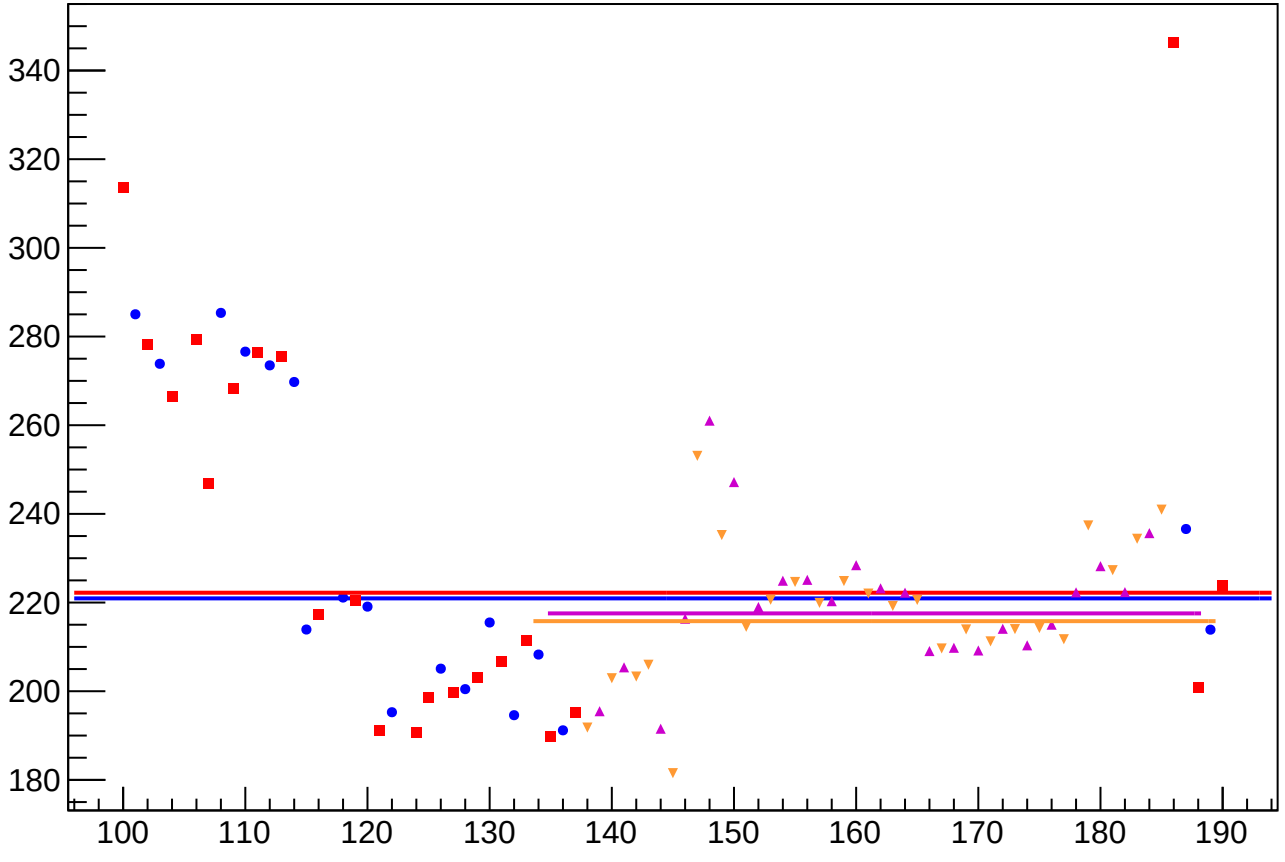
Right: 114.351+/-54.214 χ^2/NDF: 39.7/39

In: -105.605+/-42.842 χ^2/NDF:53.7/40

Out: -168.659+/-41.018 χ^2/NDF:71.2/46

All: -138.503+/-29.628 χ^2/NDF: 126.1/87

eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.939+/-0.056 χ^2/NDF: 321509.8/17

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.218+/-0.053 χ^2/NDF: 454457.2/21

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

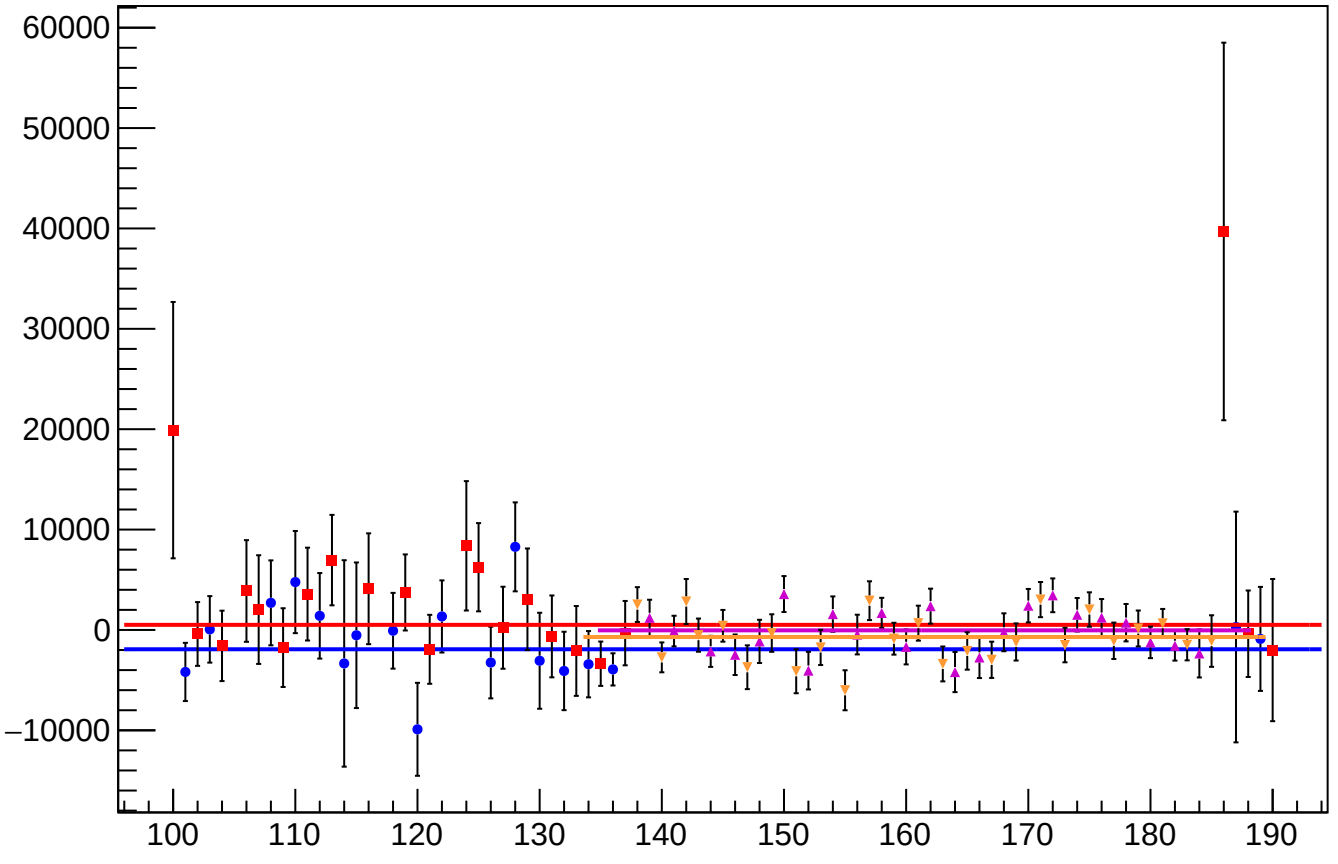
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.617+/-0.038 χ^2/NDF: 776244.2/39

In: 218.546+/-0.030 χ^2/NDF:485164.6/40

Out: 217.754+/-0.029 χ^2/NDF:653494.1/46

All: 218.133+/-0.021 χ^2/NDF: 1139015.9/87



Right In: -1924.949+/-861.895 χ^2/NDF: 16.2/17

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 508.078+/-886.776 χ^2/NDF: 19.3/21

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

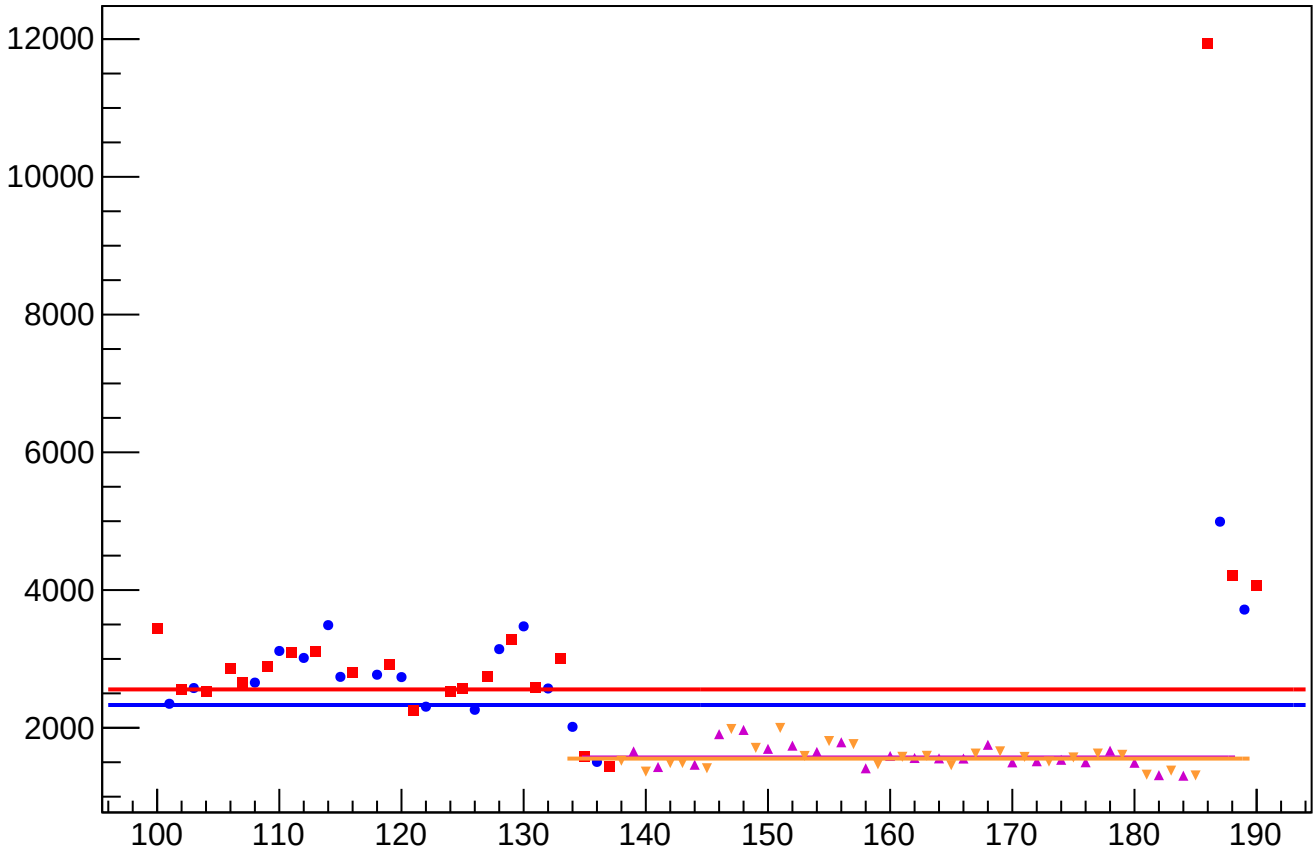
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -743.046+/-618.061 χ^2/NDF: 39.4/39

In: -331.520+/-339.121 χ^2/NDF:54.6/40

Out: -536.216+/-329.942 χ^2/NDF:58.5/46

All: -436.676+/-236.483 χ^2/NDF: 113.3/87



Right In: 2331.253+/-0.609 χ^2/NDF: 1185052.9/17

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2557.508+/-0.627 χ^2/NDF: 1711893.4/21

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

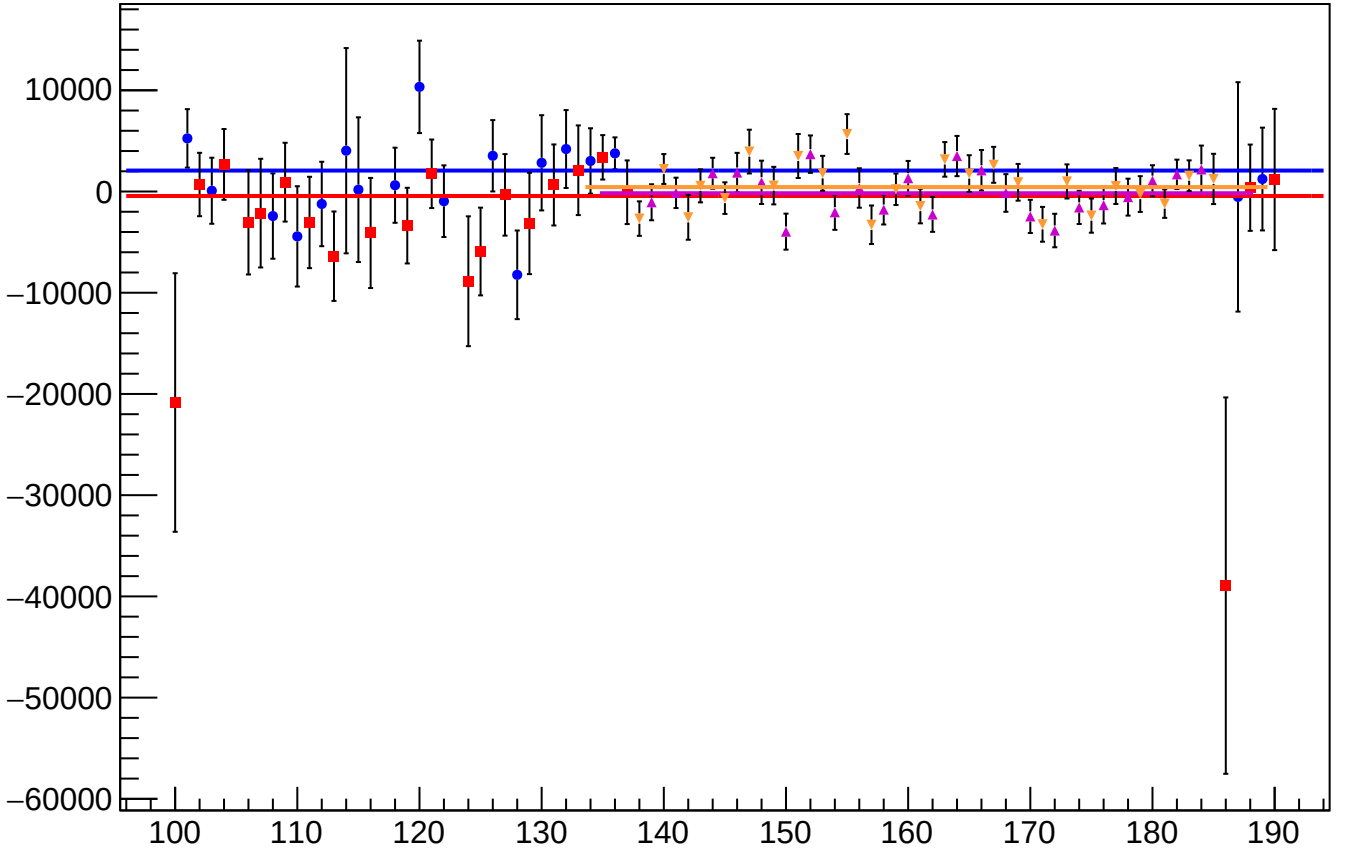
Right: 2441.162+/-0.437 χ^2/NDF: 2963896.7/39

In: 1687.328+/-0.240 χ^2/NDF:2863335.8/40

Out: 1692.076+/-0.233 χ^2/NDF:4332787.3/46

All: 1689.767+/-0.167 χ^2/NDF: 7196324.5/87

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2070.237+/-848.681 χ^2/NDF: 16.7/17

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -441.082+/-876.713 χ^2/NDF: 19.0/21

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

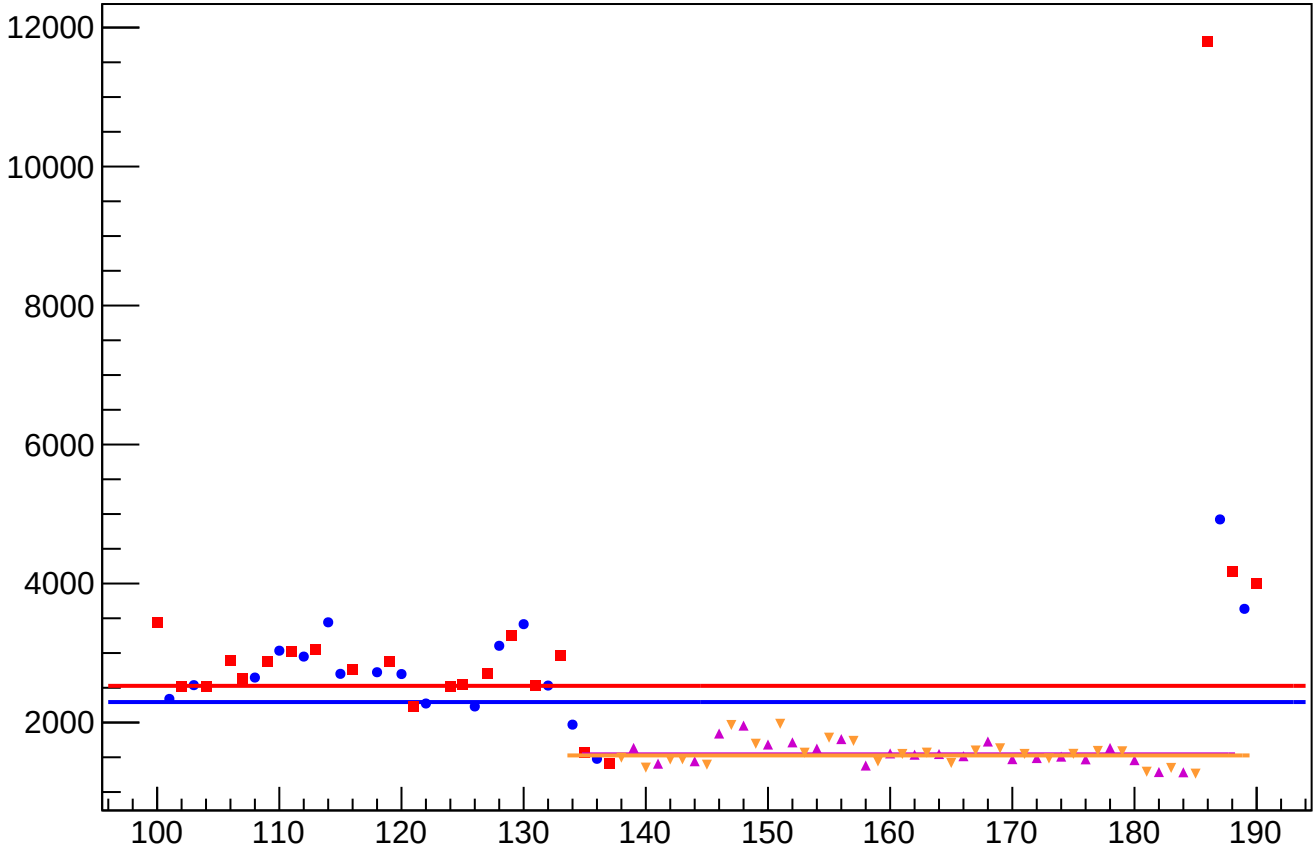
Right: 855.367+/-609.778 χ^2/NDF: 40.0/39

In: 175.880+/-333.402 χ^2/NDF:55.6/40

Out: 316.993+/-324.719 χ^2/NDF:58.8/46

All: 248.298+/-232.620 χ^2/NDF: 114.5/87

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2294.667+/-0.600 χ^2/NDF: 1188601.4/17

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2527.856+/-0.620 χ^2/NDF: 1708721.5/21

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

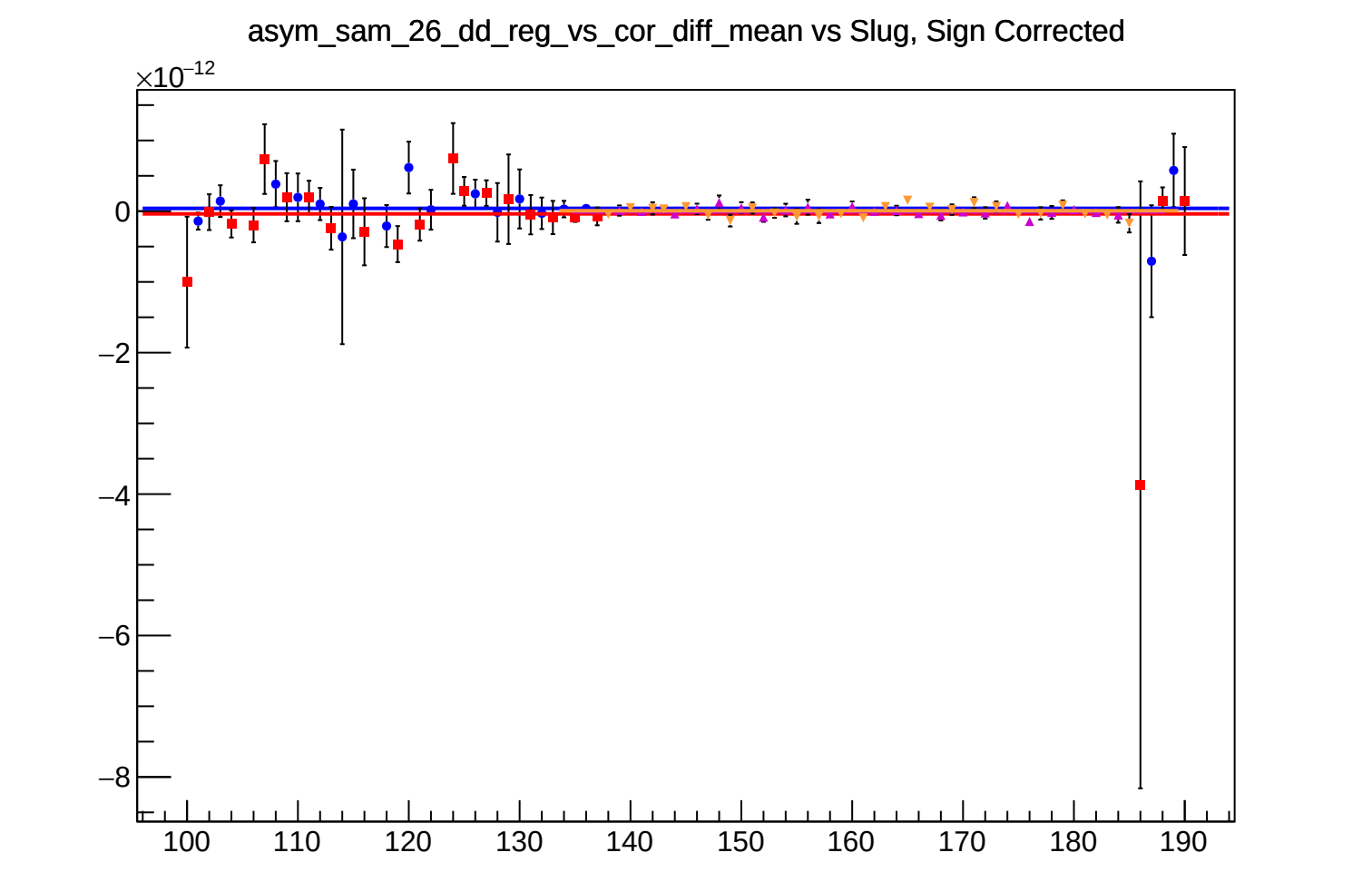
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2407.474+/-0.431 χ^2/NDF: 2970367.2/39

In: 1658.380+/-0.236 χ^2/NDF:2880258.4/40

Out: 1664.064+/-0.230 χ^2/NDF:4388355.3/46

All: 1661.297+/-0.164 χ^2/NDF: 7268912.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/21

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

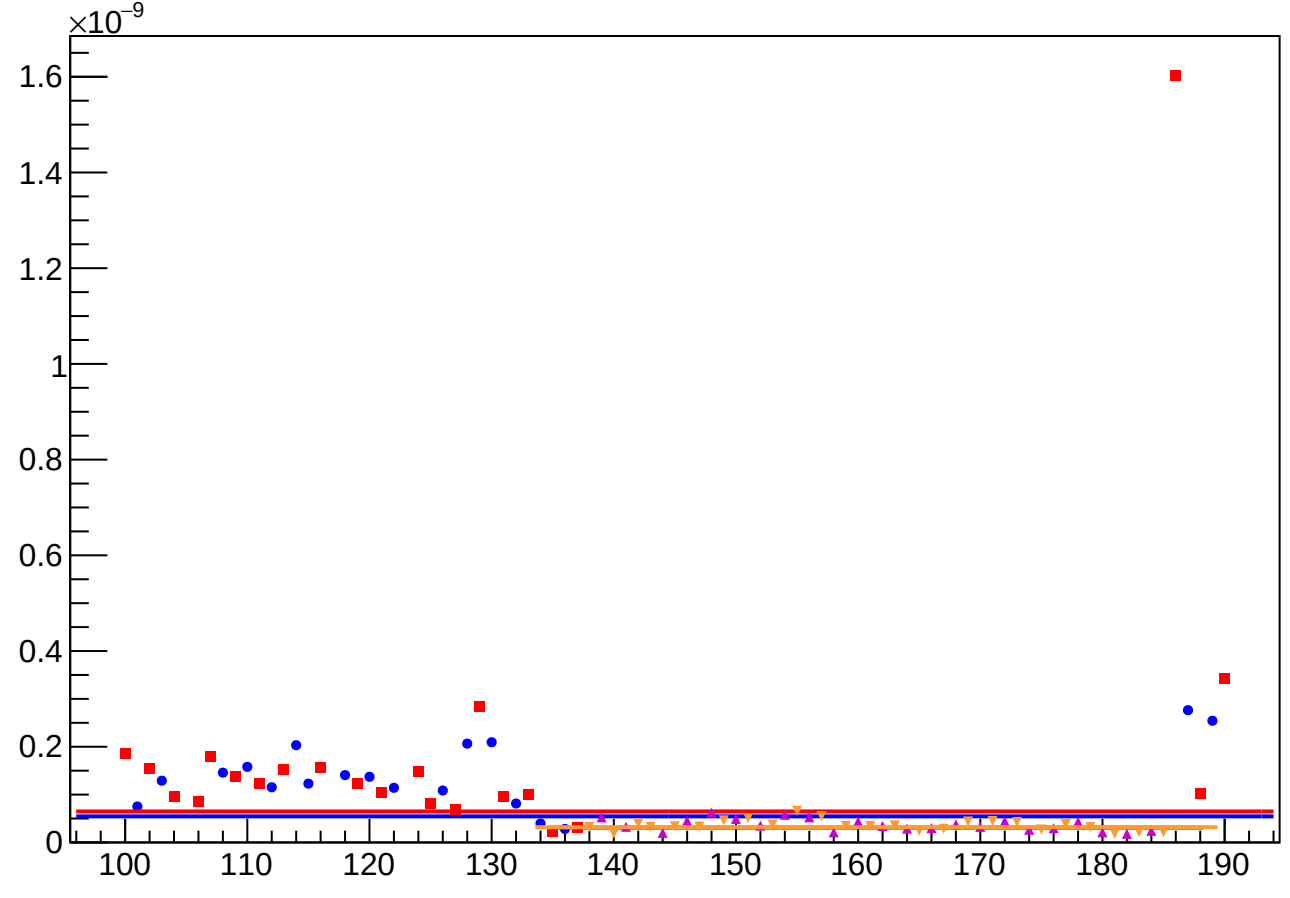
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 32.4/39

In: -0.000+/-0.000 χ^2/NDF:29.1/40

Out: 0.000+/-0.000 χ^2/NDF:51.9/46

All: -0.000+/-0.000 χ^2/NDF: 81.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 3033410.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3027274.8/21

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

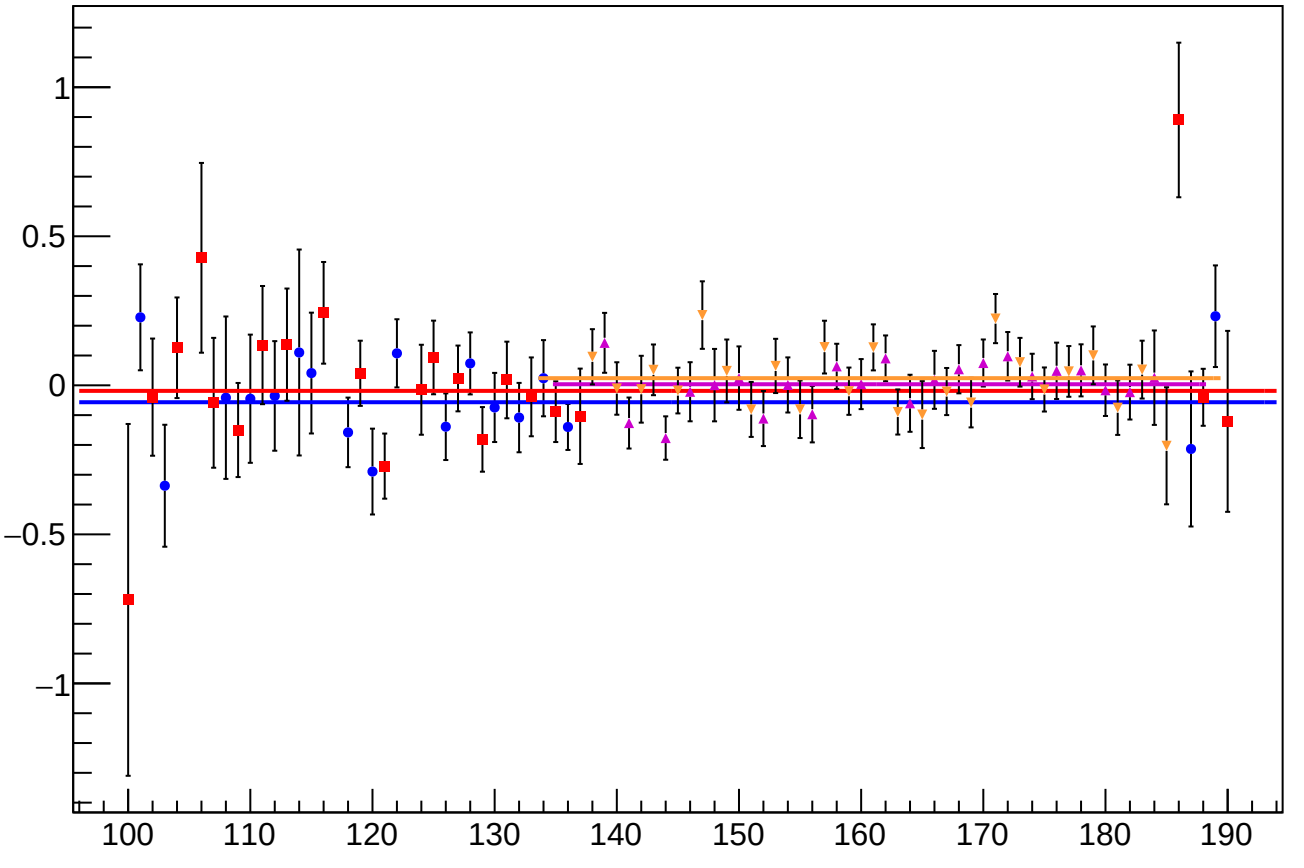
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6129865.3/39

In: 0.000+/-0.000 χ^2/NDF:5377829.2/40

Out: 0.000+/-0.000 χ^2/NDF:5390364.2/46

All: 0.000+/-0.000 χ^2/NDF: 10772875.3/87



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.019+/-0.031 χ^2/NDF: 30.6/21

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

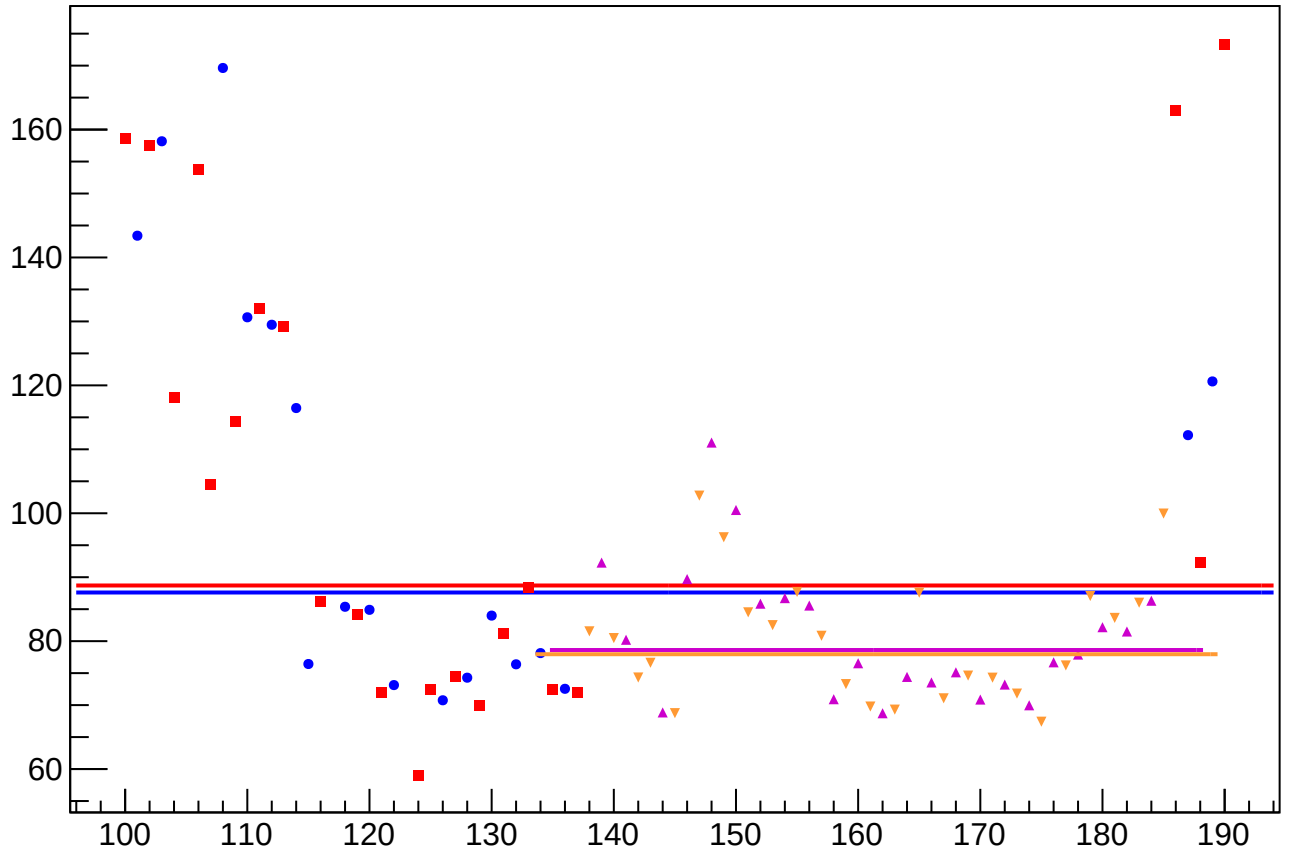
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.037+/-0.022 χ^2/NDF: 48.8/39

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.013+/-0.015 χ^2/NDF:57.6/46

All: 0.002+/-0.011 χ^2/NDF: 97.7/87



Right In: 87.609+/-0.023 χ^2/NDF: 1132848.1/17

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 88.705+/-0.022 χ^2/NDF: 1326750.1/21

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

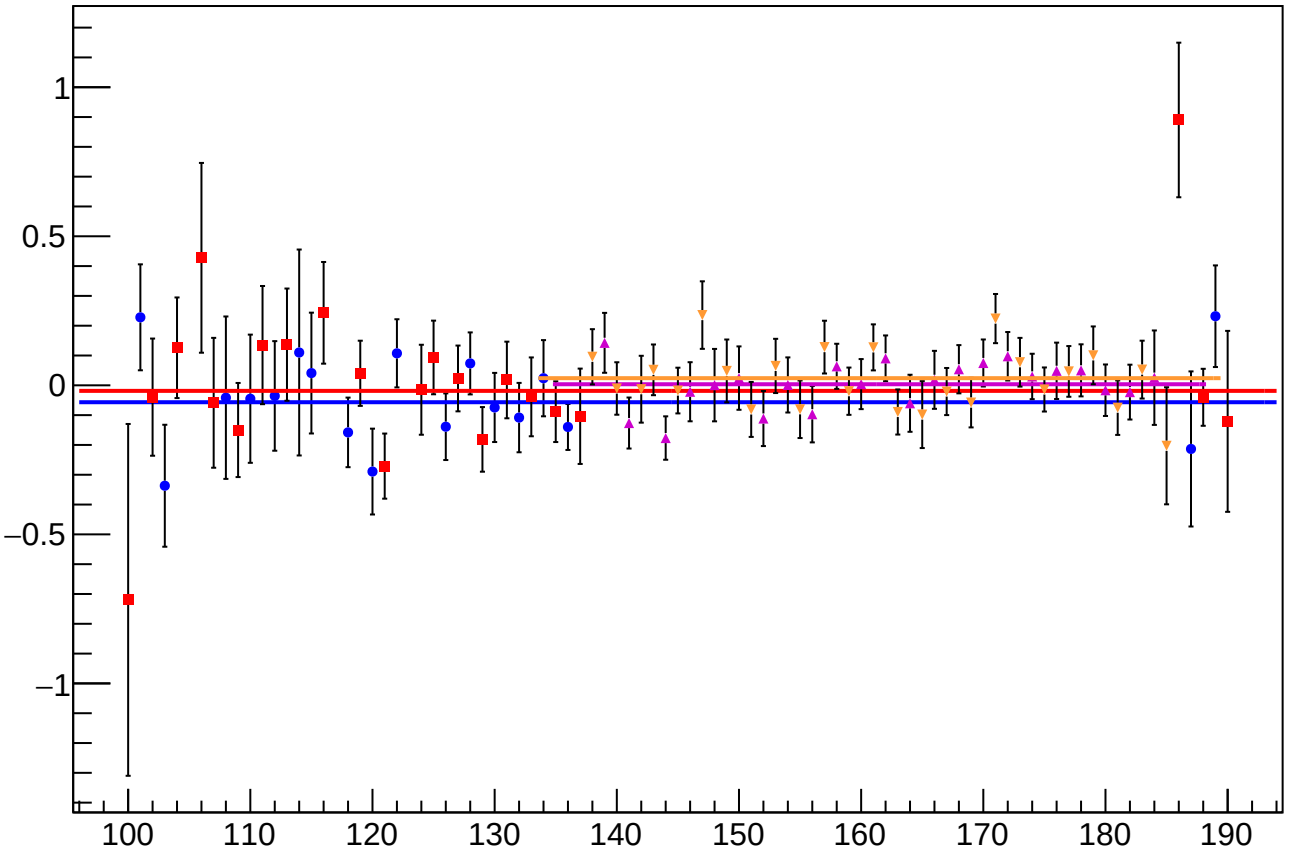
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 88.185+/-0.016 χ^2/NDF: 2460800.2/39

In: 80.834+/-0.011 χ^2/NDF:1746484.0/40

Out: 80.664+/-0.011 χ^2/NDF:1948906.0/46

All: 80.745+/-0.008 χ^2/NDF: 3695507.3/87



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.019+/-0.031 χ^2/NDF: 30.6/21

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

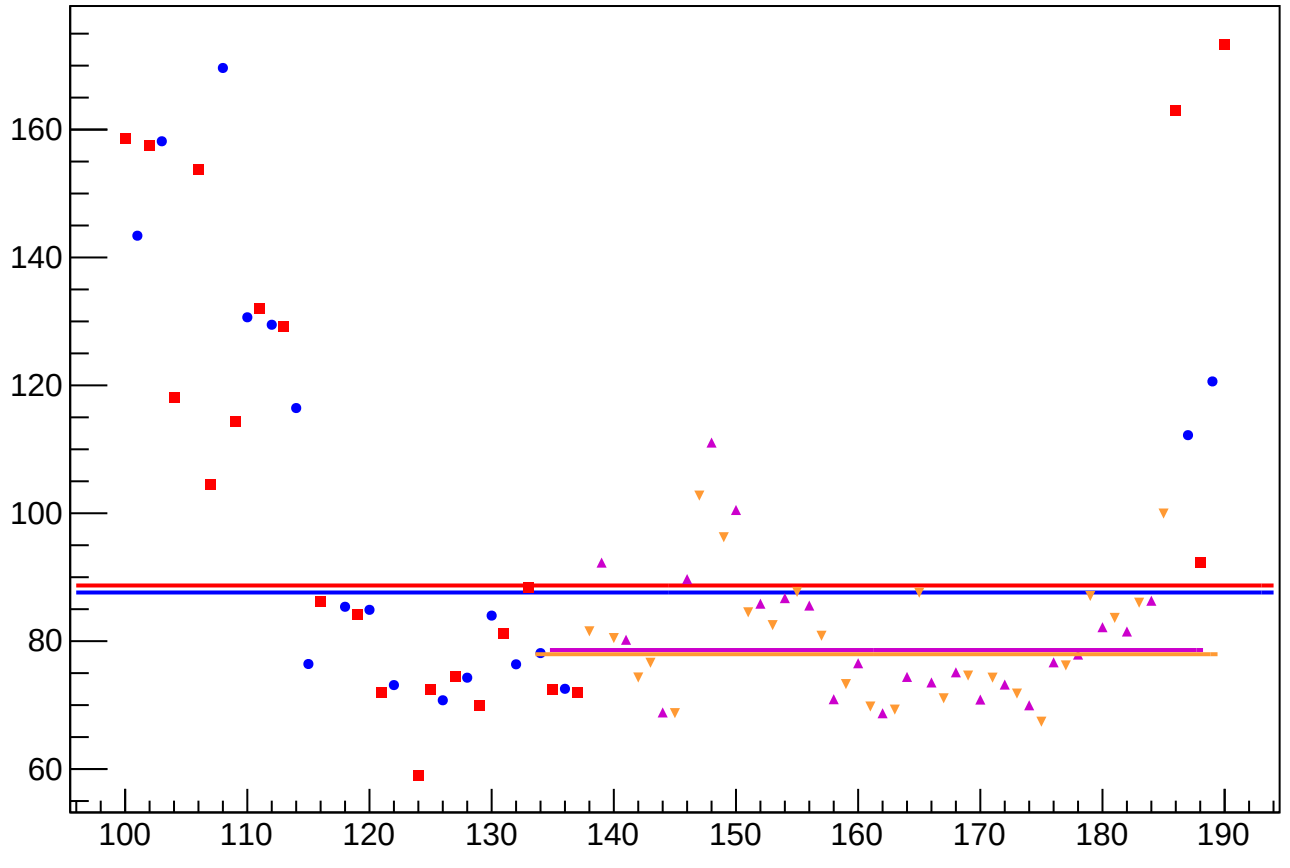
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.037+/-0.022 χ^2/NDF: 48.8/39

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.013+/-0.015 χ^2/NDF:57.6/46

All: 0.002+/-0.011 χ^2/NDF: 97.7/87



Right In: 87.609+/-0.023 χ^2/NDF: 1132848.1/17

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 88.705+/-0.022 χ^2/NDF: 1326750.1/21

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

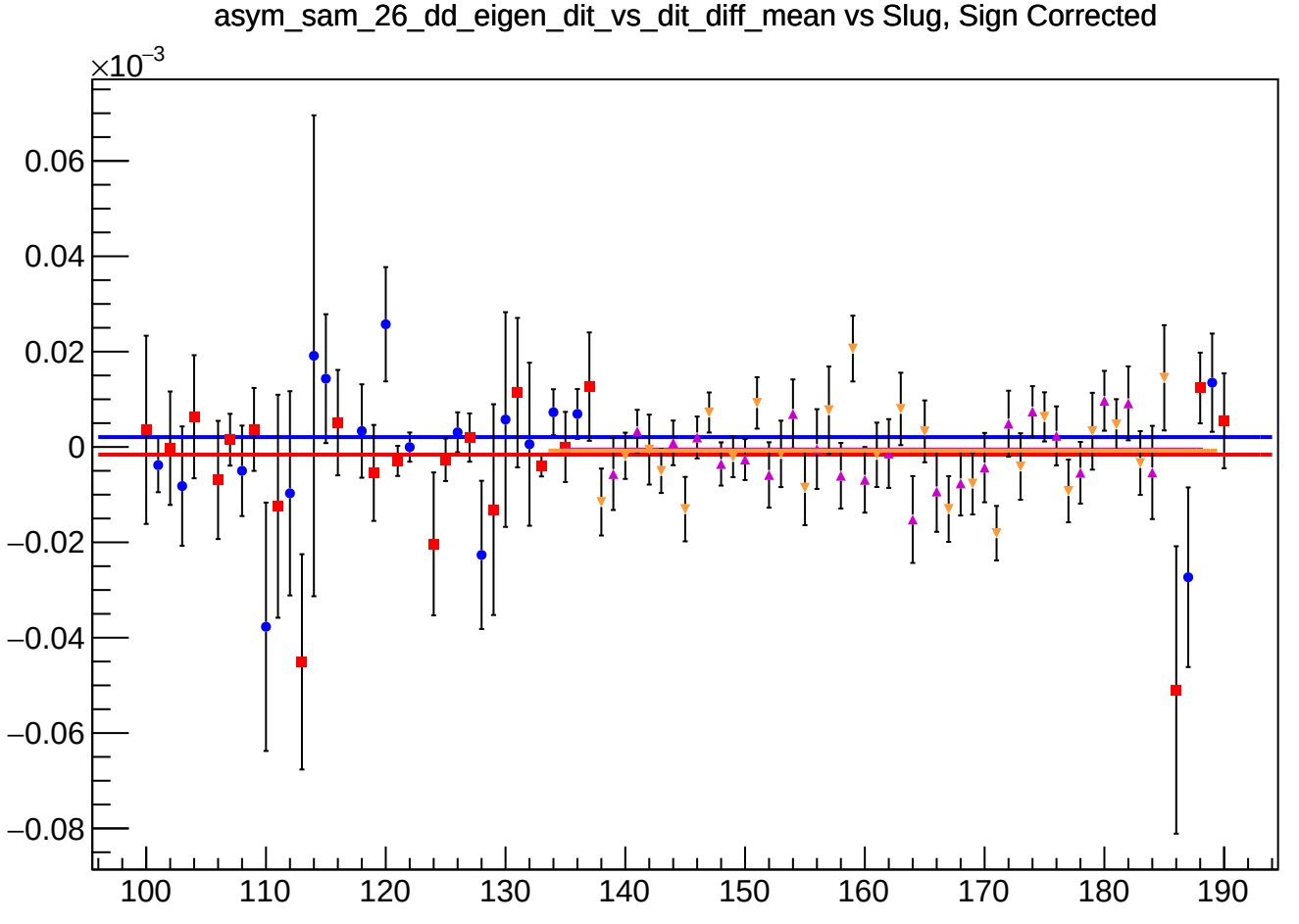
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 88.185+/-0.016 χ^2/NDF: 2460800.2/39

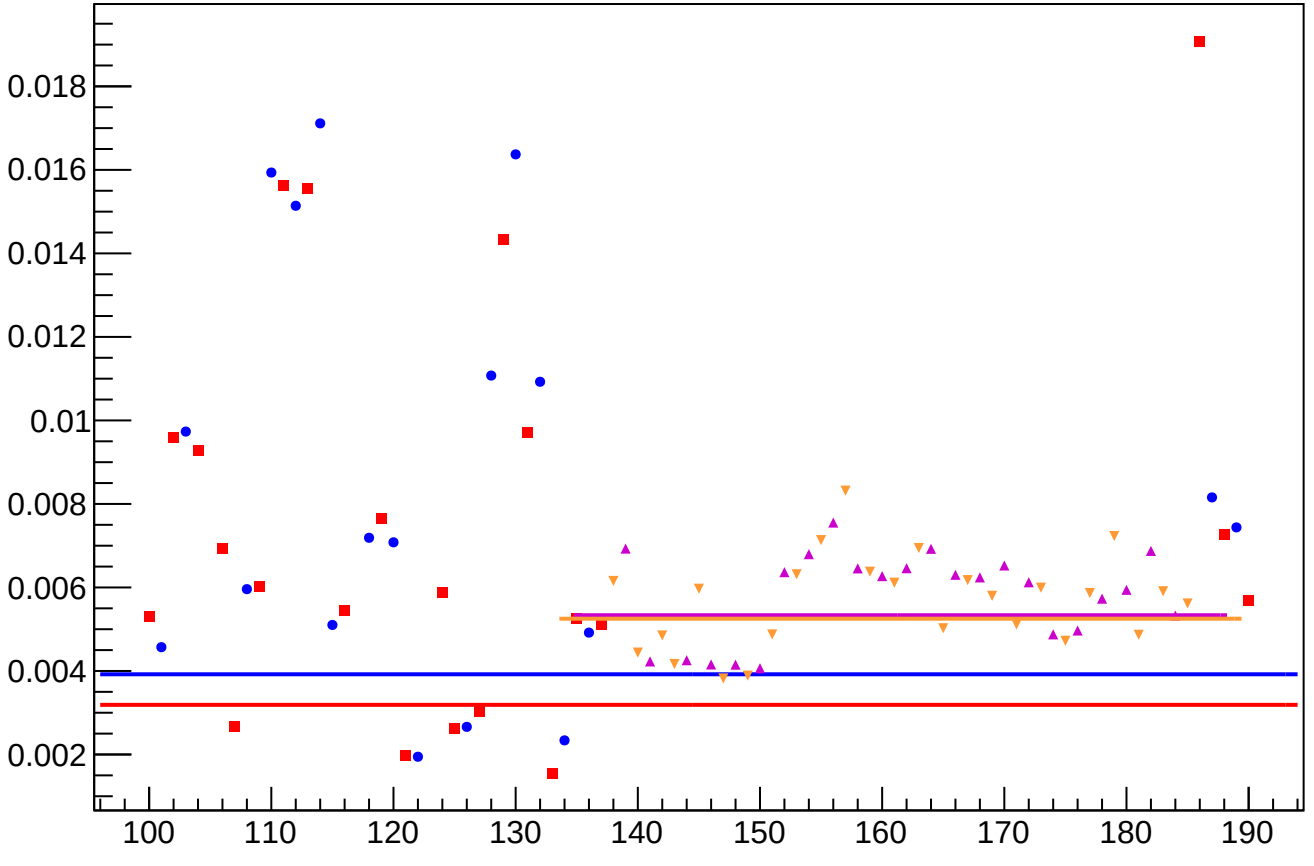
In: 80.834+/-0.011 χ^2/NDF:1746484.0/40

Out: 80.664+/-0.011 χ^2/NDF:1948906.0/46

All: 80.745+/-0.008 χ^2/NDF: 3695507.3/87


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.6/17
Left Out: -0.000+/-0.000 χ²/NDF:47.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/21
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
Left: -0.000+/-0.000 χ²/NDF: 66.2/47
Right: -0.000+/-0.000 χ²/NDF: 39.8/39
In: 0.000+/-0.000 χ²/NDF:38.7/40
Out: -0.000+/-0.000 χ²/NDF:66.2/46
All: -0.000+/-0.000 χ²/NDF: 106.1/87

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5040920.7/17

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6886398.4/21

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

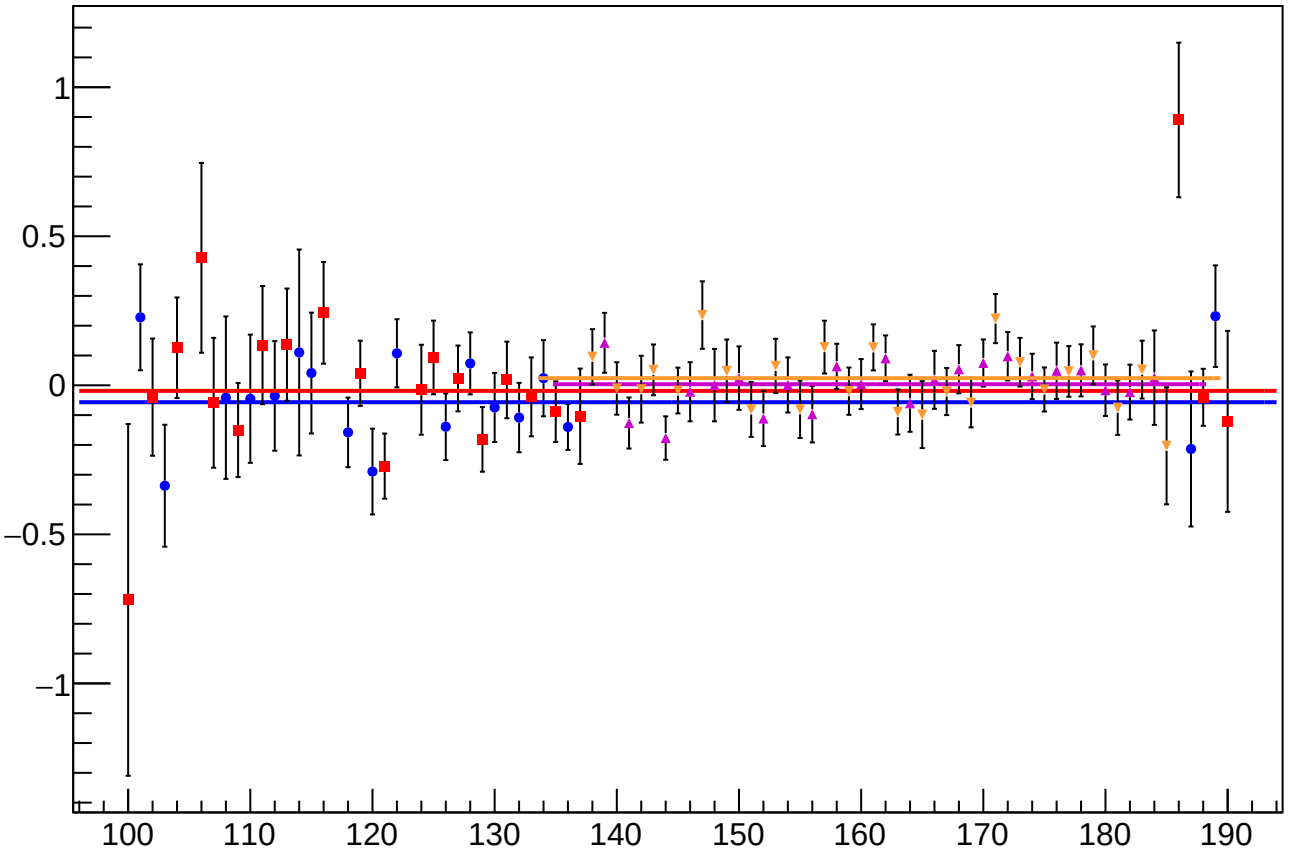
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.003+/-0.000 χ^2/NDF: 12150639.9/39

In: 0.005+/-0.000 χ^2/NDF:7421620.8/40

Out: 0.004+/-0.000 χ^2/NDF:10934165.9/46

All: 0.005+/-0.000 χ^2/NDF: 18618459.8/87



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.019+/-0.031 χ^2/NDF: 30.6/21

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

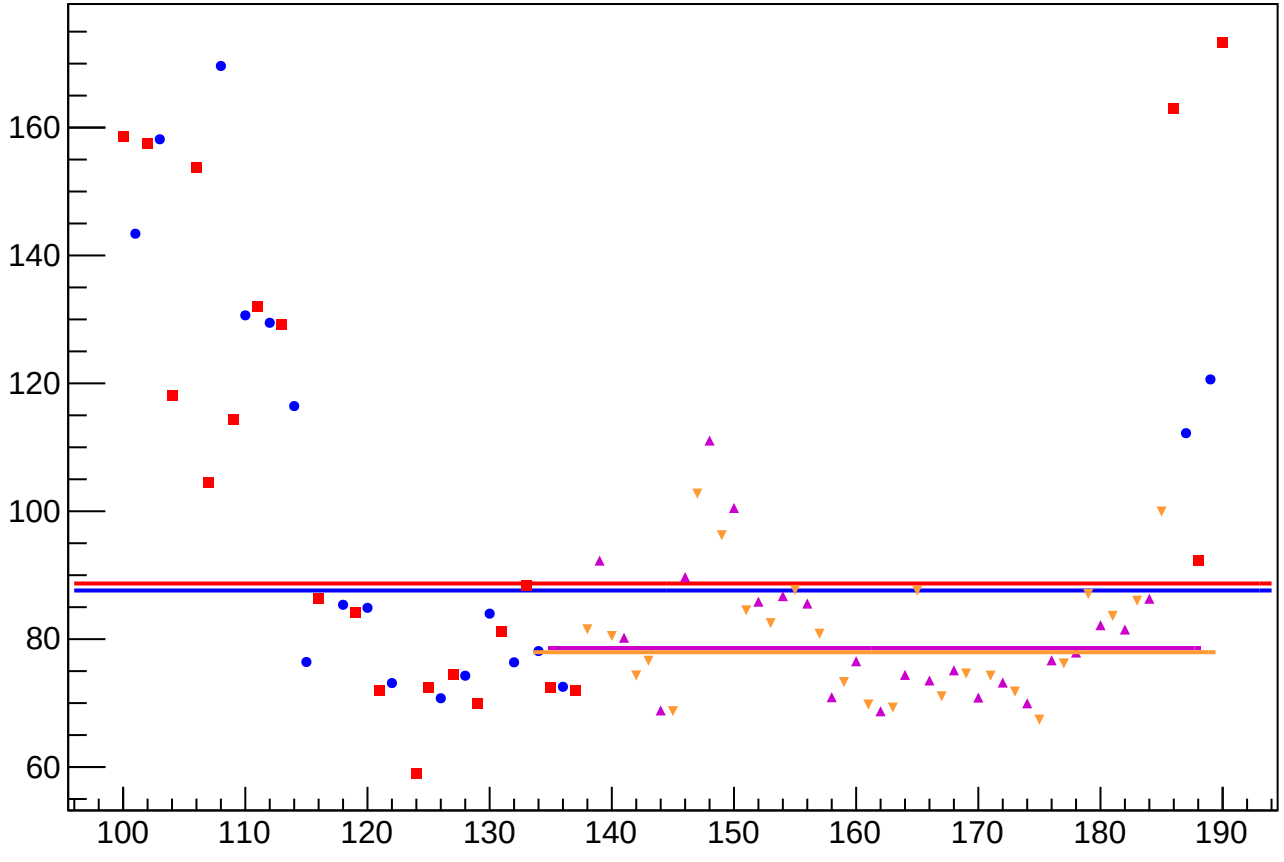
Right: -0.037+/-0.022 χ^2/NDF: 48.8/39

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.013+/-0.015 χ^2/NDF:57.6/46

All: 0.002+/-0.011 χ^2/NDF: 97.7/87

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 88.703+/-0.022 χ^2/NDF: 1326728.1/21

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

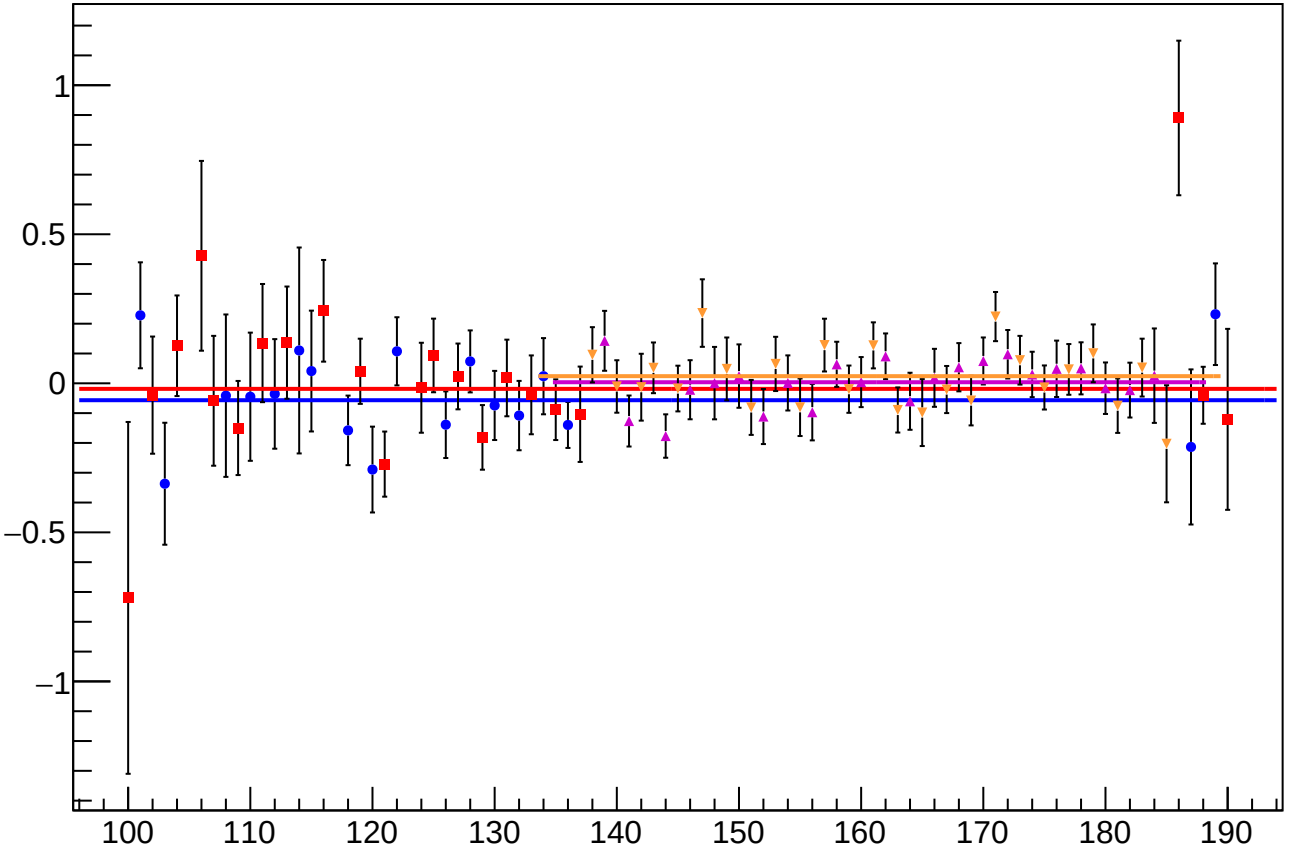
Right: 88.183+/-0.016 χ^2/NDF: 2460771.4/39

In: 80.833+/-0.011 χ^2/NDF:1746473.5/40

Out: 80.663+/-0.011 χ^2/NDF:1948874.7/46

All: 80.744+/-0.008 χ^2/NDF: 3695465.1/87

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.019+/-0.031 χ^2/NDF: 30.6/21

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

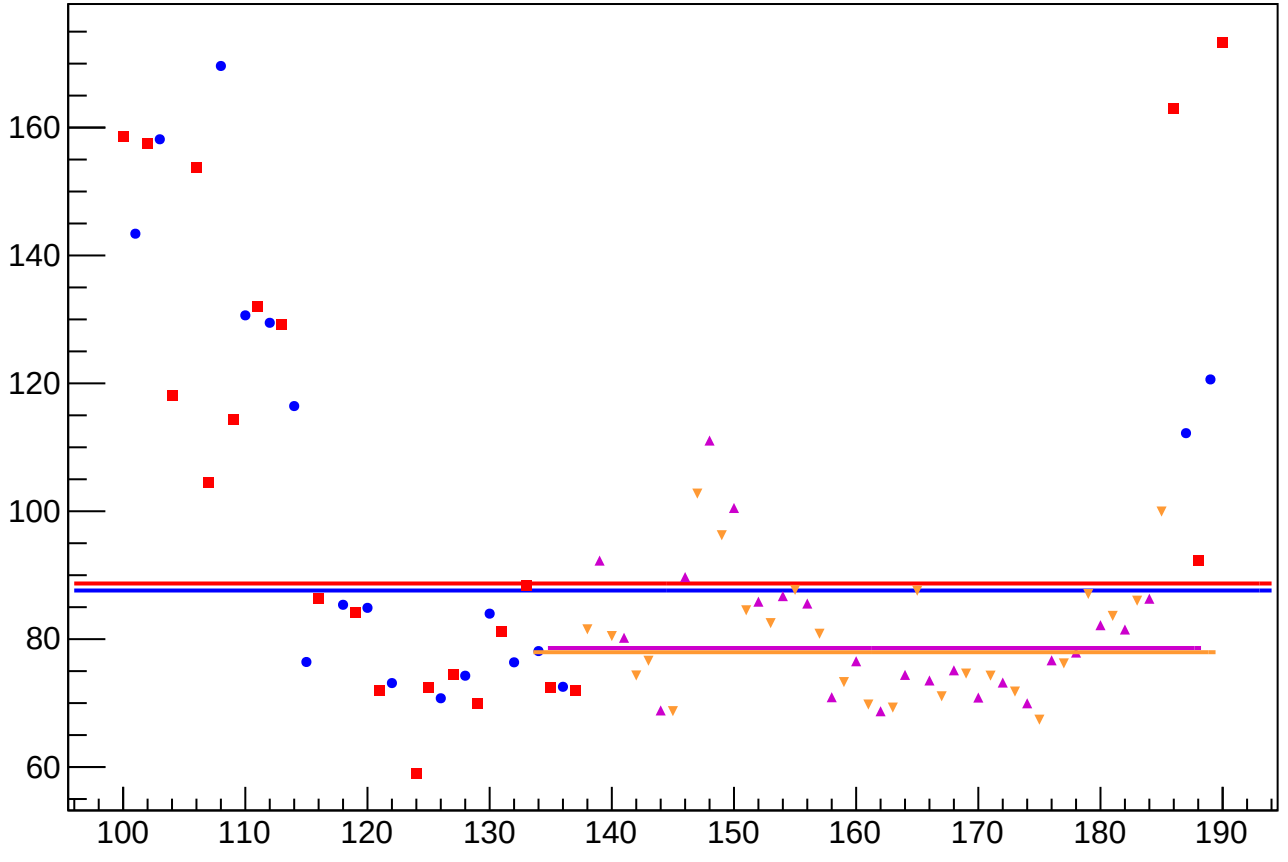
Right: -0.037+/-0.022 χ^2/NDF: 48.8/39

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.013+/-0.015 χ^2/NDF:57.6/46

All: 0.002+/-0.011 χ^2/NDF: 97.7/87

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 88.703+/-0.022 χ^2/NDF: 1326728.1/21

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

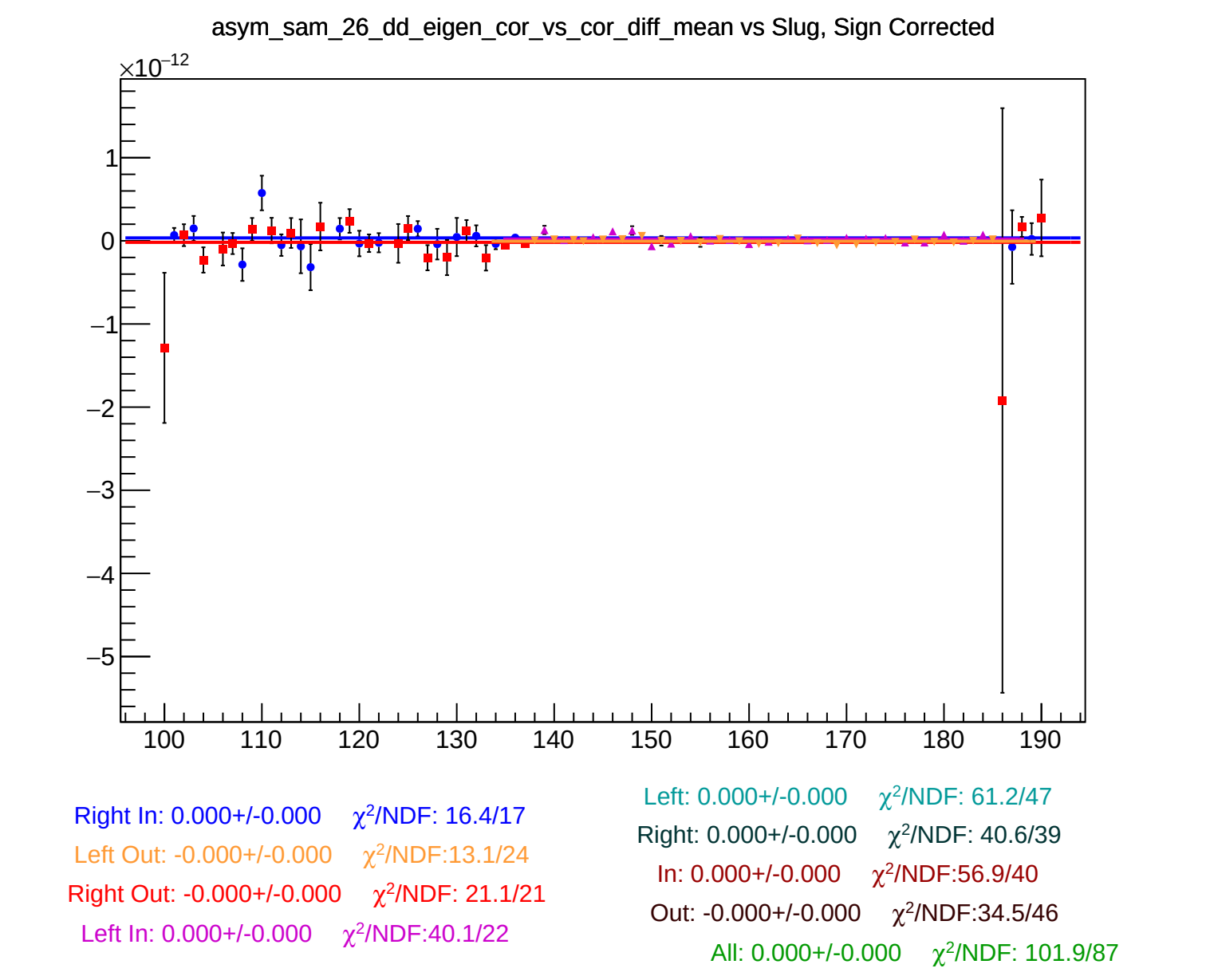
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

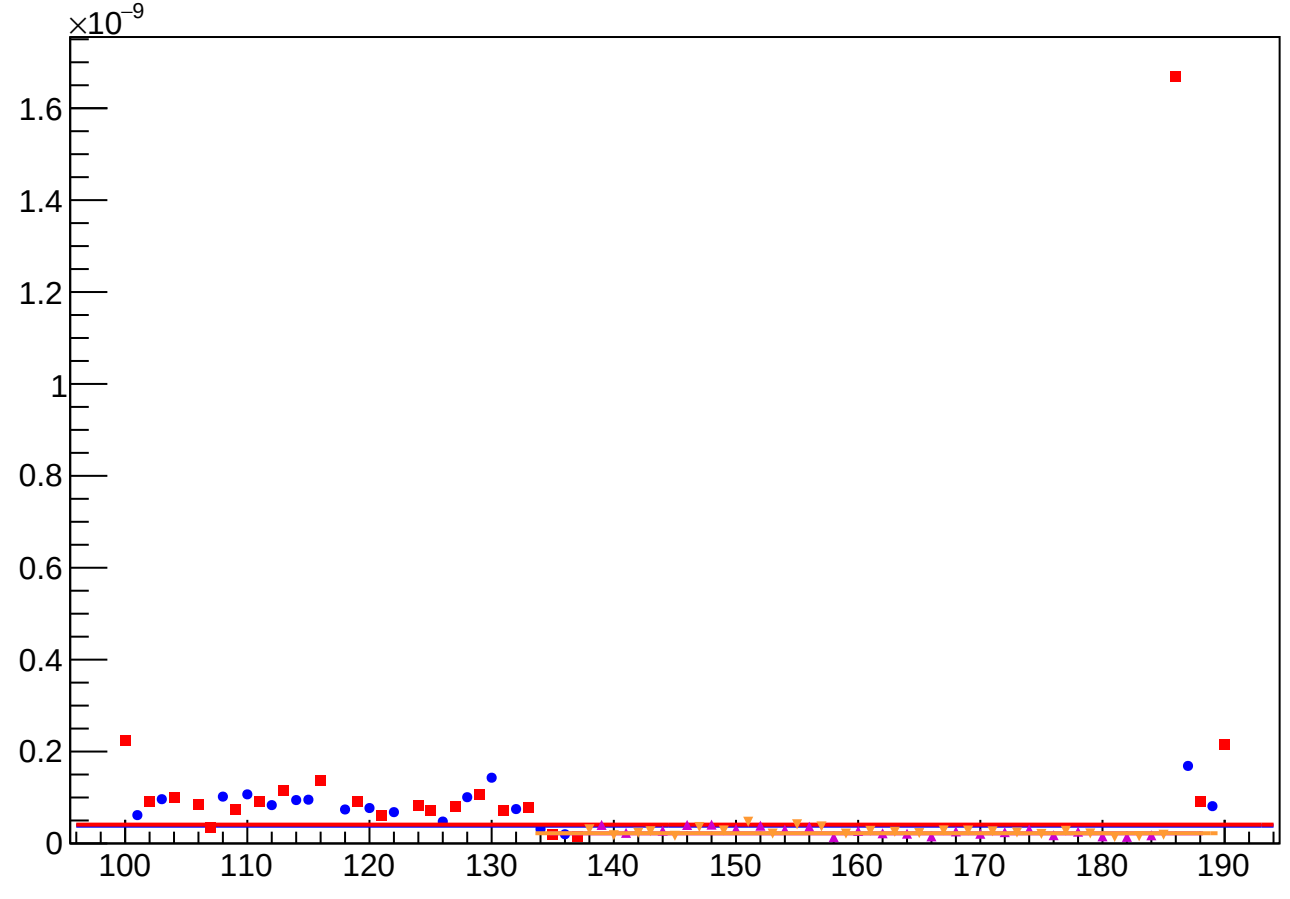
Right: 88.183+/-0.016 χ^2/NDF: 2460771.4/39

In: 80.833+/-0.011 χ^2/NDF:1746473.5/40

Out: 80.663+/-0.011 χ^2/NDF:1948874.7/46

All: 80.744+/-0.008 χ^2/NDF: 3695465.1/87


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.4/17
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/21
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: 40.6/39
In: 0.000+/-0.000 χ²/NDF:56.9/40
Out: -0.000+/-0.000 χ²/NDF:34.5/46
All: 0.000+/-0.000 χ²/NDF: 101.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 3732512.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5213883.6/21

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

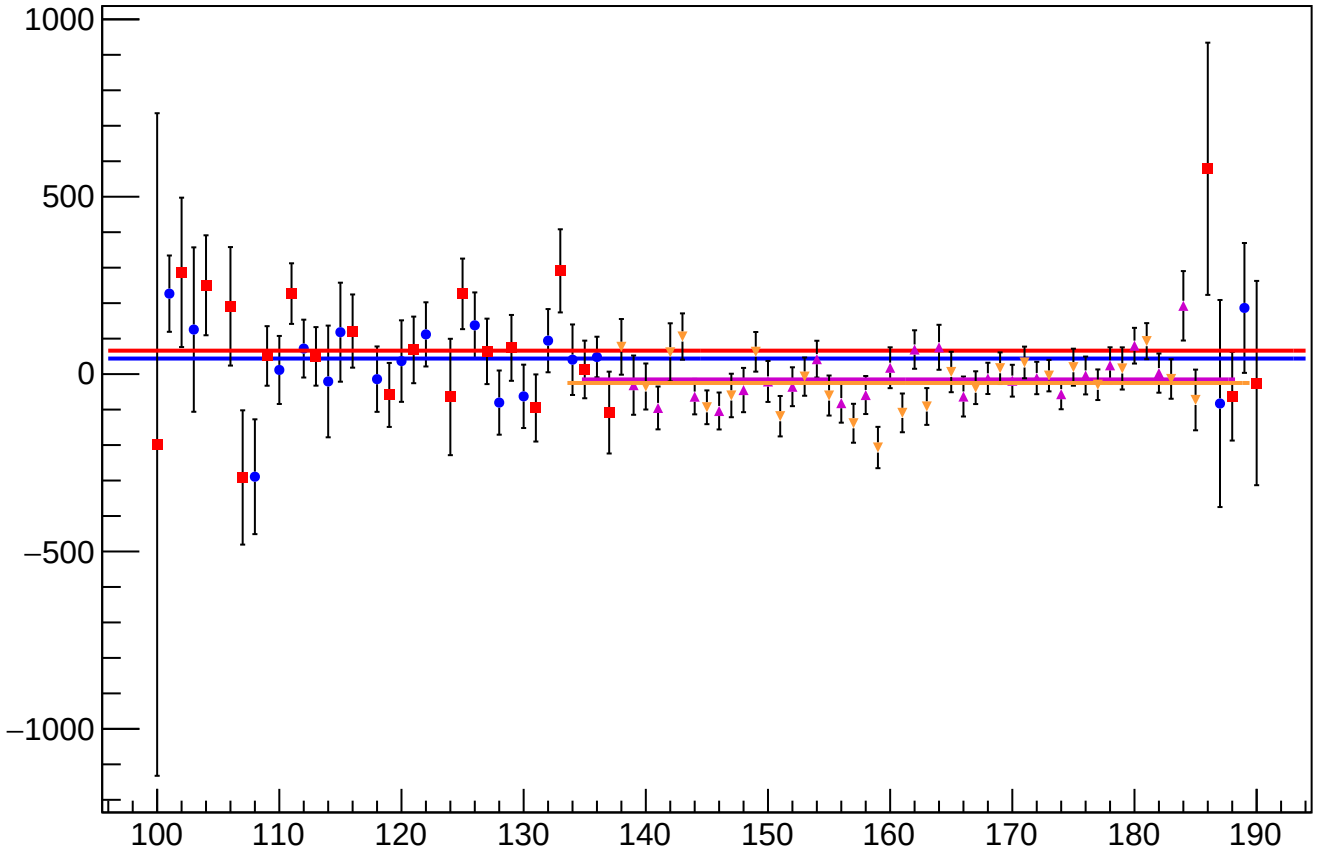
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8958631.2/39

In: 0.000+/-0.000 χ^2/NDF:7734304.6/40

Out: 0.000+/-0.000 χ^2/NDF:8886405.5/46

All: 0.000+/-0.000 χ^2/NDF: 16621257.5/87



Right In: 43.843+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.094+/-23.828 χ^2/NDF: 28.6/21

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

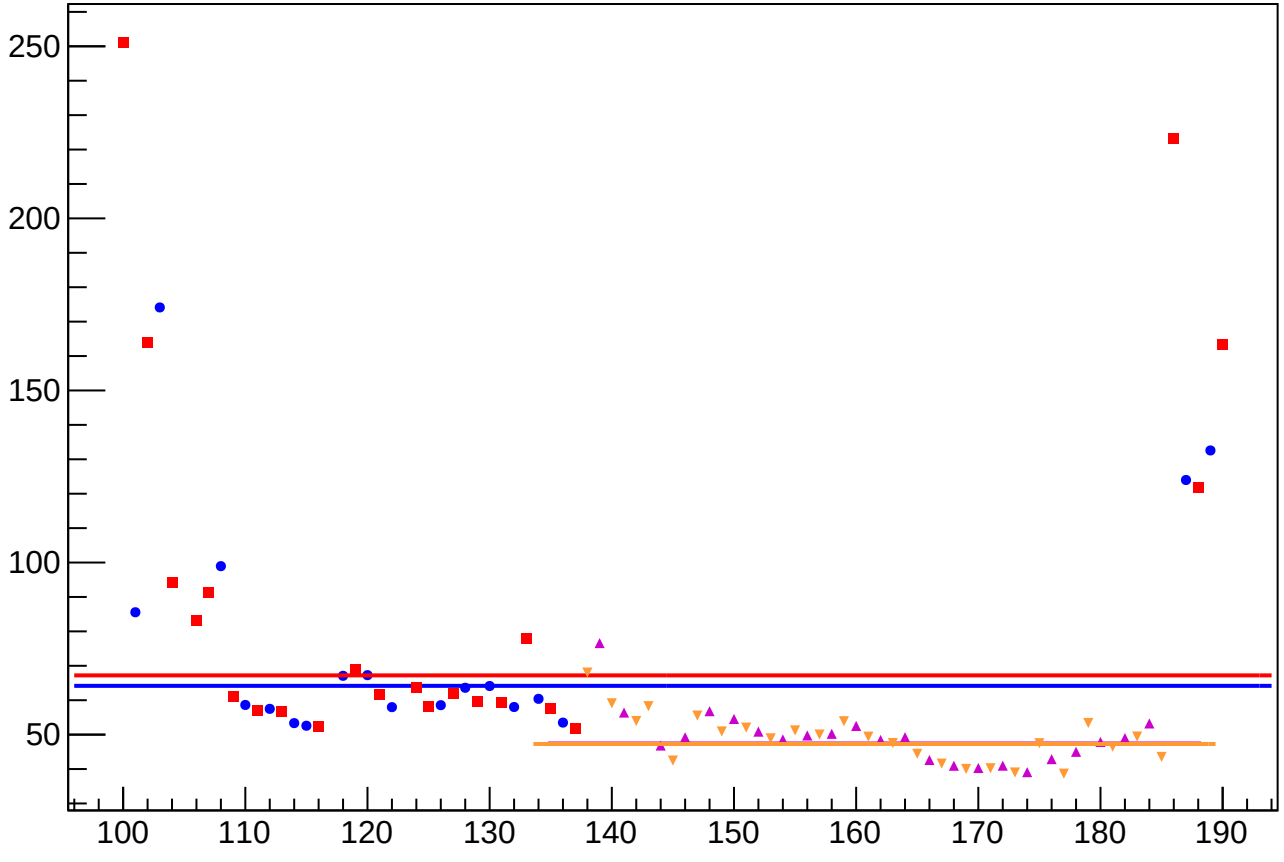
Right: 55.010+/-16.880 χ^2/NDF: 43.4/39

In: -4.384+/-10.156 χ^2/NDF:44.0/40

Out: -9.256+/-9.903 χ^2/NDF:83.8/46

All: -6.882+/-7.090 χ^2/NDF: 128.0/87

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 64.174+/-0.017 χ^2/NDF: 1130772.7/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 67.215+/-0.017 χ^2/NDF: 1866073.5/21

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

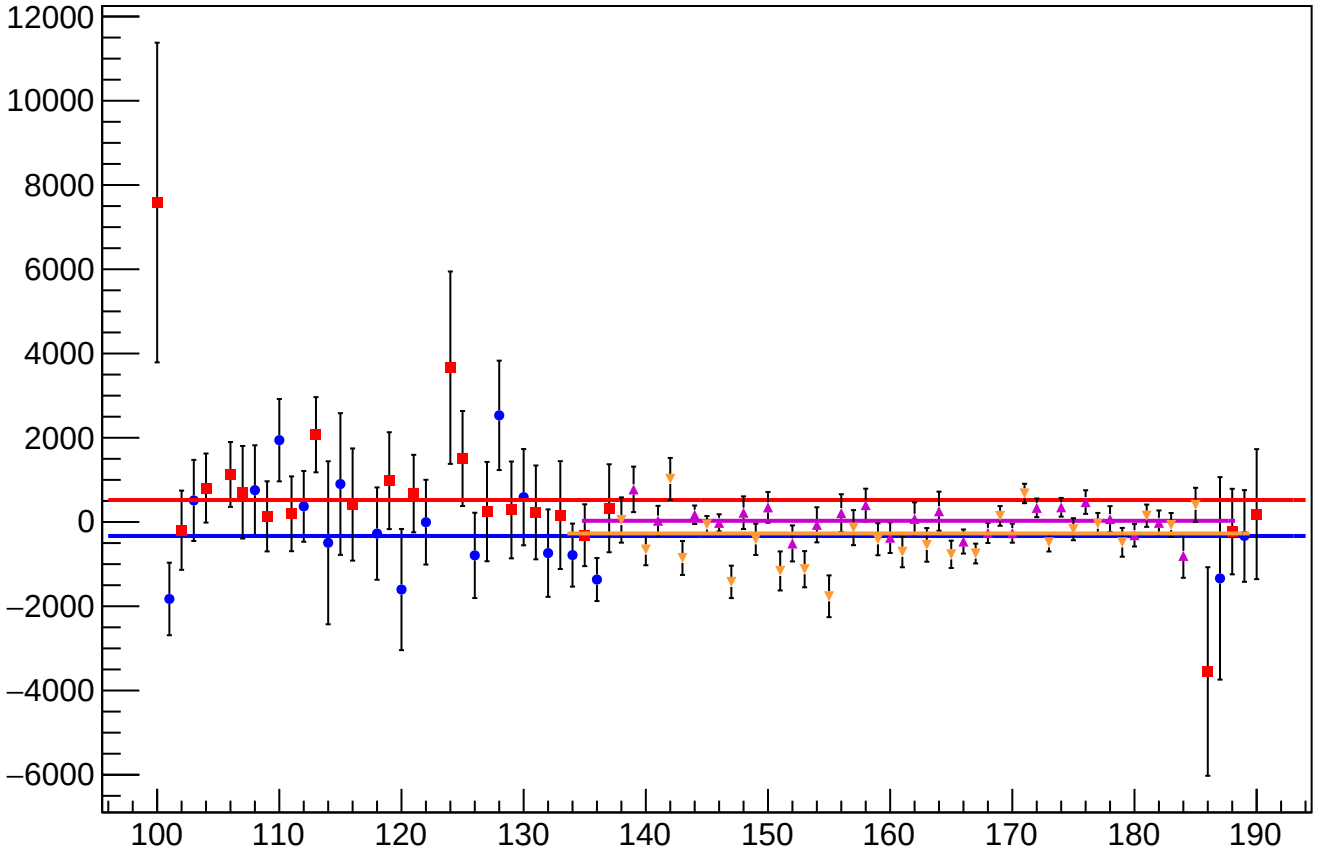
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 65.700+/-0.012 χ^2/NDF: 3013078.3/39

In: 50.445+/-0.007 χ^2/NDF:2590420.7/40

Out: 50.726+/-0.007 χ^2/NDF:3741008.6/46

All: 50.589+/-0.005 χ^2/NDF: 6332214.1/87



Right In: -331.527+/-231.872 χ^2/NDF: 22.9/17

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 522.245+/-224.324 χ^2/NDF: 15.9/21

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

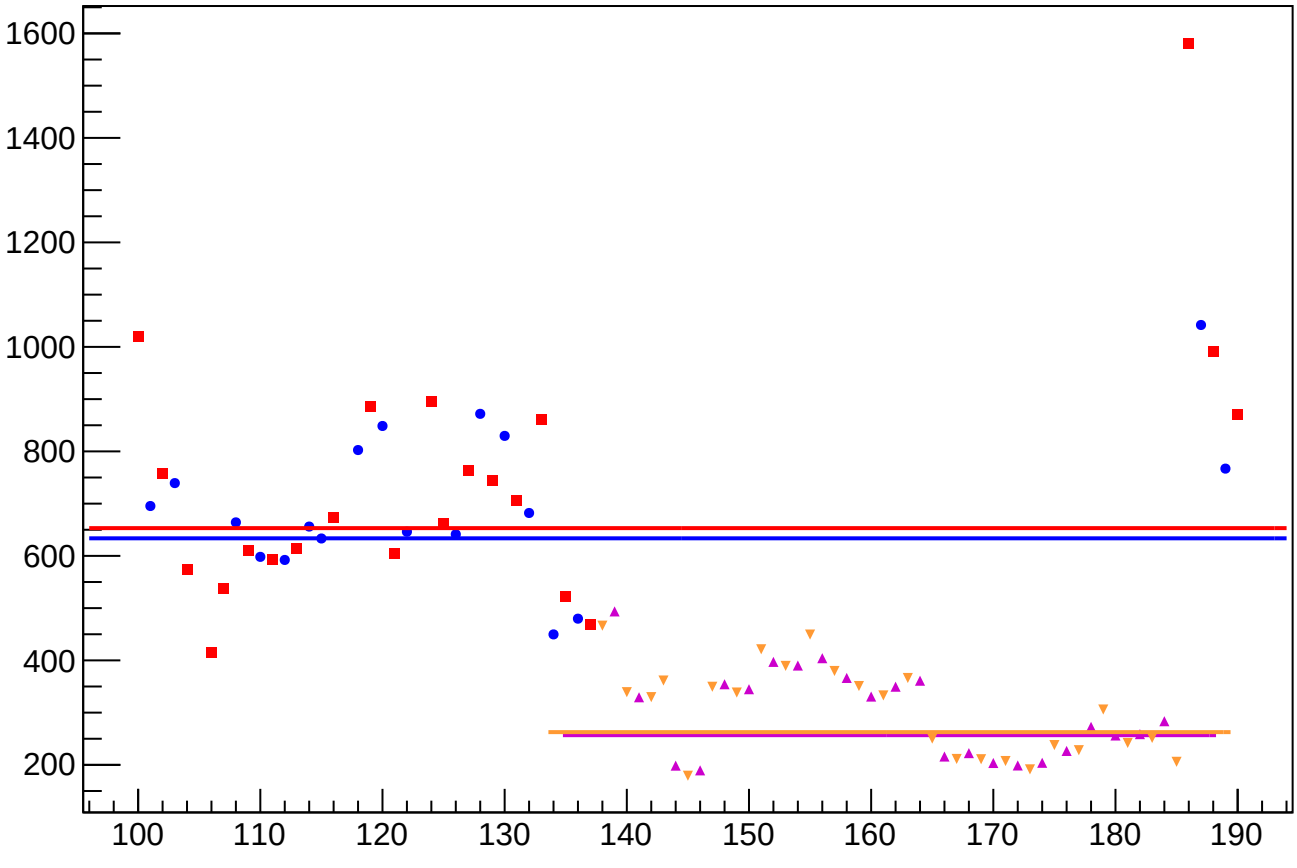
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 109.481+/-161.223 χ^2/NDF: 45.8/39

In: 4.642+/-60.500 χ^2/NDF:49.5/40

Out: -214.150+/-60.069 χ^2/NDF:101.4/46

All: -105.535+/-42.627 χ^2/NDF: 157.5/87



Right In: 633.603+/-0.164 χ^2/NDF: 657100.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 653.116+/-0.159 χ^2/NDF: 1159926.1/21

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

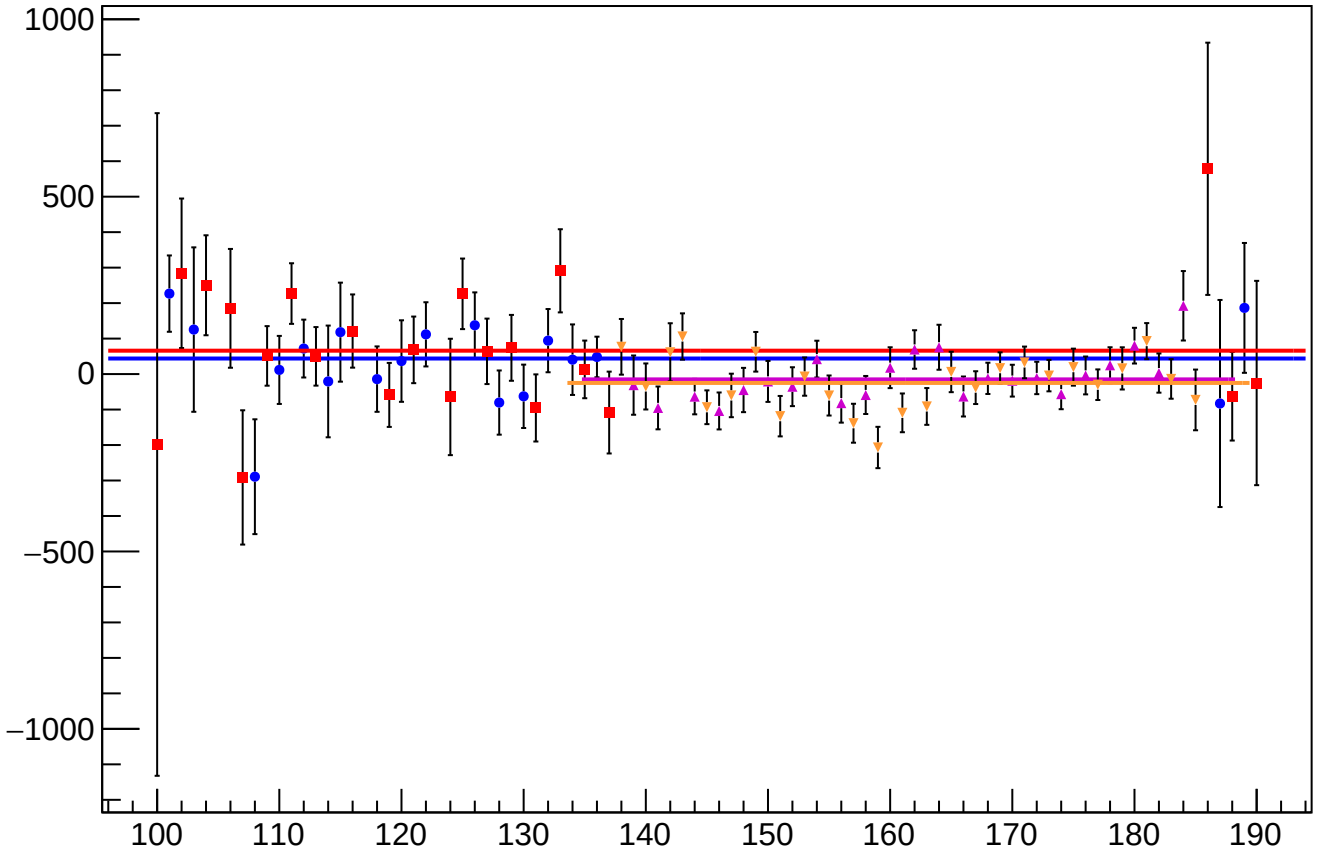
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 643.682+/-0.114 χ^2/NDF: 1824343.0/39

In: 282.492+/-0.043 χ^2/NDF:8217198.3/40

Out: 290.675+/-0.042 χ^2/NDF:9677459.2/46

All: 286.613+/-0.030 χ^2/NDF: 17913084.8/87



Right In: 43.837+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.919+/-23.829 χ^2/NDF: 28.5/21

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

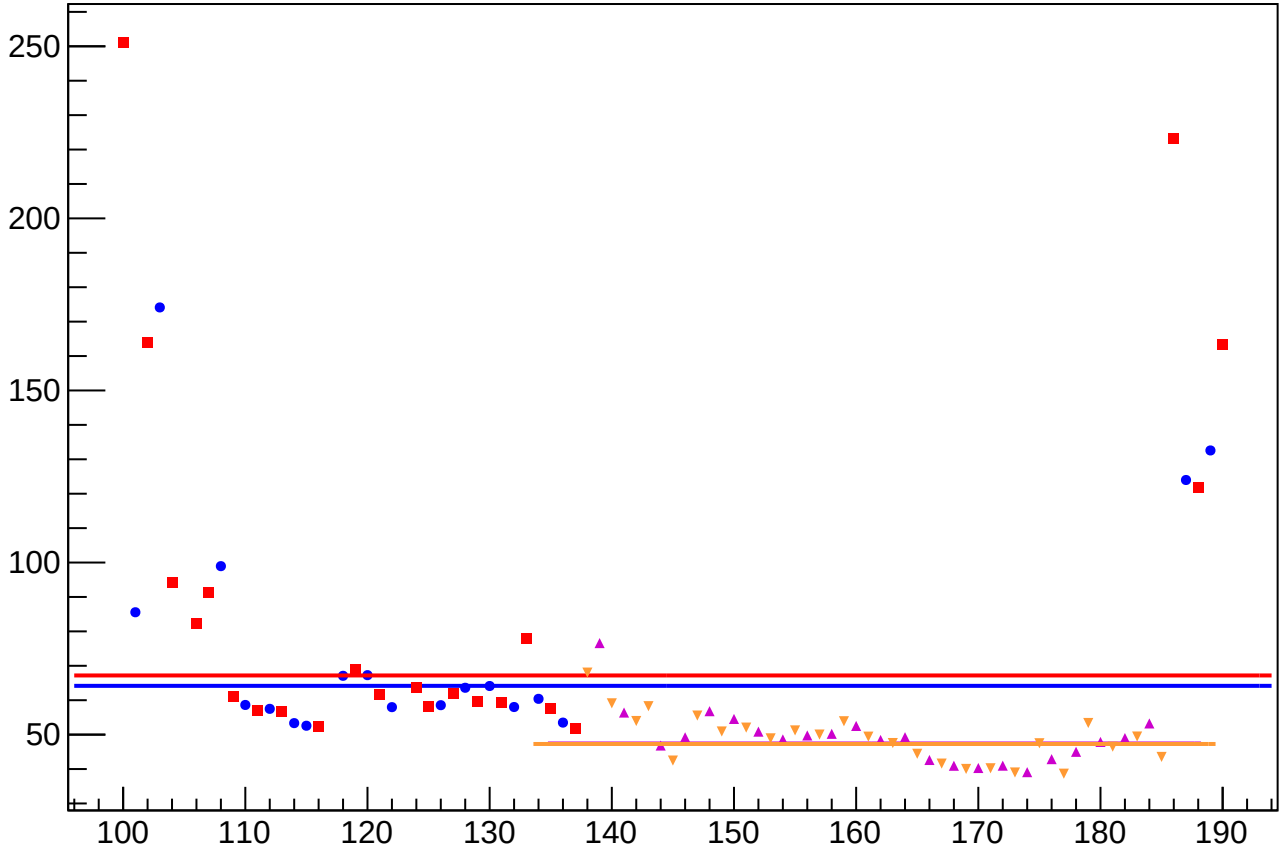
Right: 54.919+/-16.881 χ^2/NDF: 43.3/39

In: -4.384+/-10.156 χ^2/NDF:44.0/40

Out: -9.285+/-9.903 χ^2/NDF:83.7/46

All: -6.896+/-7.090 χ^2/NDF: 127.8/87

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 64.174+/-0.017 χ^2/NDF: 1130774.9/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 67.193+/-0.017 χ^2/NDF: 1863890.0/21

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

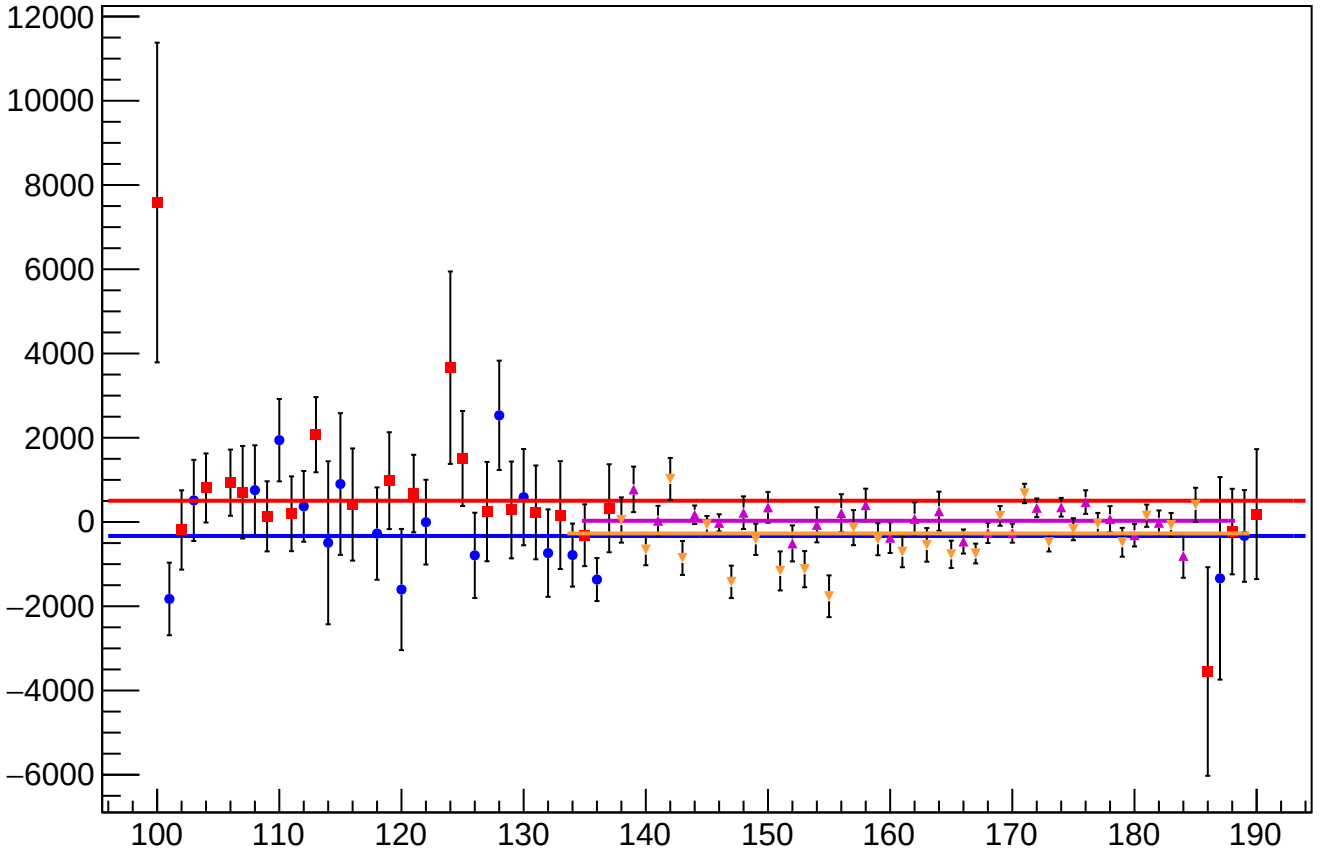
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 65.689+/-0.012 χ^2/NDF: 3010656.1/39

In: 50.445+/-0.007 χ^2/NDF:2590422.5/40

Out: 50.722+/-0.007 χ^2/NDF:3736093.1/46

All: 50.587+/-0.005 χ^2/NDF: 6327276.9/87



Right In: -331.523+/-231.873 χ^2/NDF: 22.9/17

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 504.778+/-224.711 χ^2/NDF: 15.5/21

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

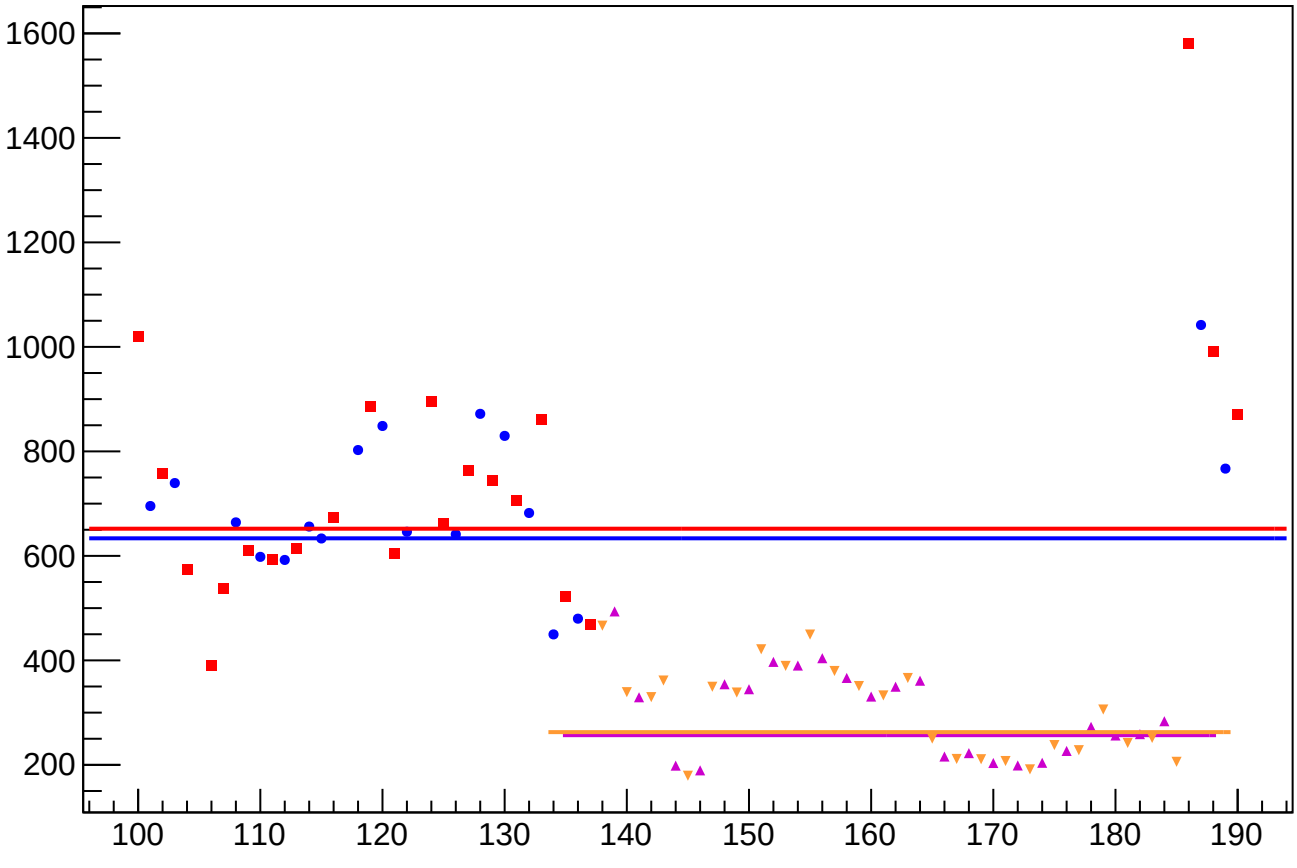
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 99.743+/-161.367 χ^2/NDF: 45.1/39

In: 4.645+/-60.500 χ^2/NDF:49.5/40

Out: -215.575+/-60.076 χ^2/NDF:100.5/46

All: -106.238+/-42.629 χ^2/NDF: 156.7/87



Right In: 633.606+/-0.164 χ^2/NDF: 657130.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 652.024+/-0.159 χ^2/NDF: 1190699.7/21

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

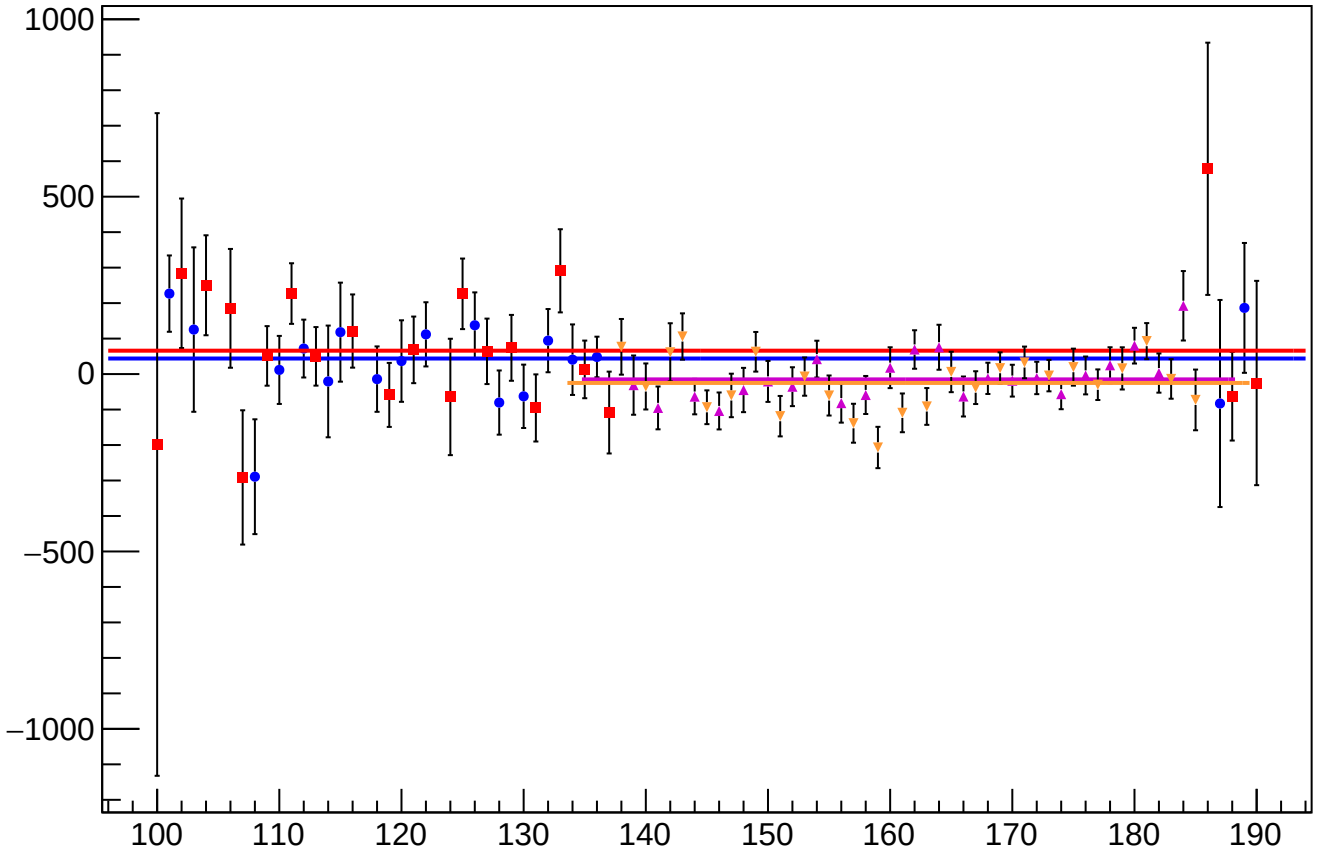
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 643.104+/-0.114 χ^2/NDF: 1854337.4/39

In: 282.492+/-0.043 χ^2/NDF:8217242.4/40

Out: 290.508+/-0.042 χ^2/NDF:9658961.9/46

All: 286.528+/-0.030 χ^2/NDF: 17893883.1/87



Right In: 43.837+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.919+/-23.829 χ^2/NDF: 28.5/21

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

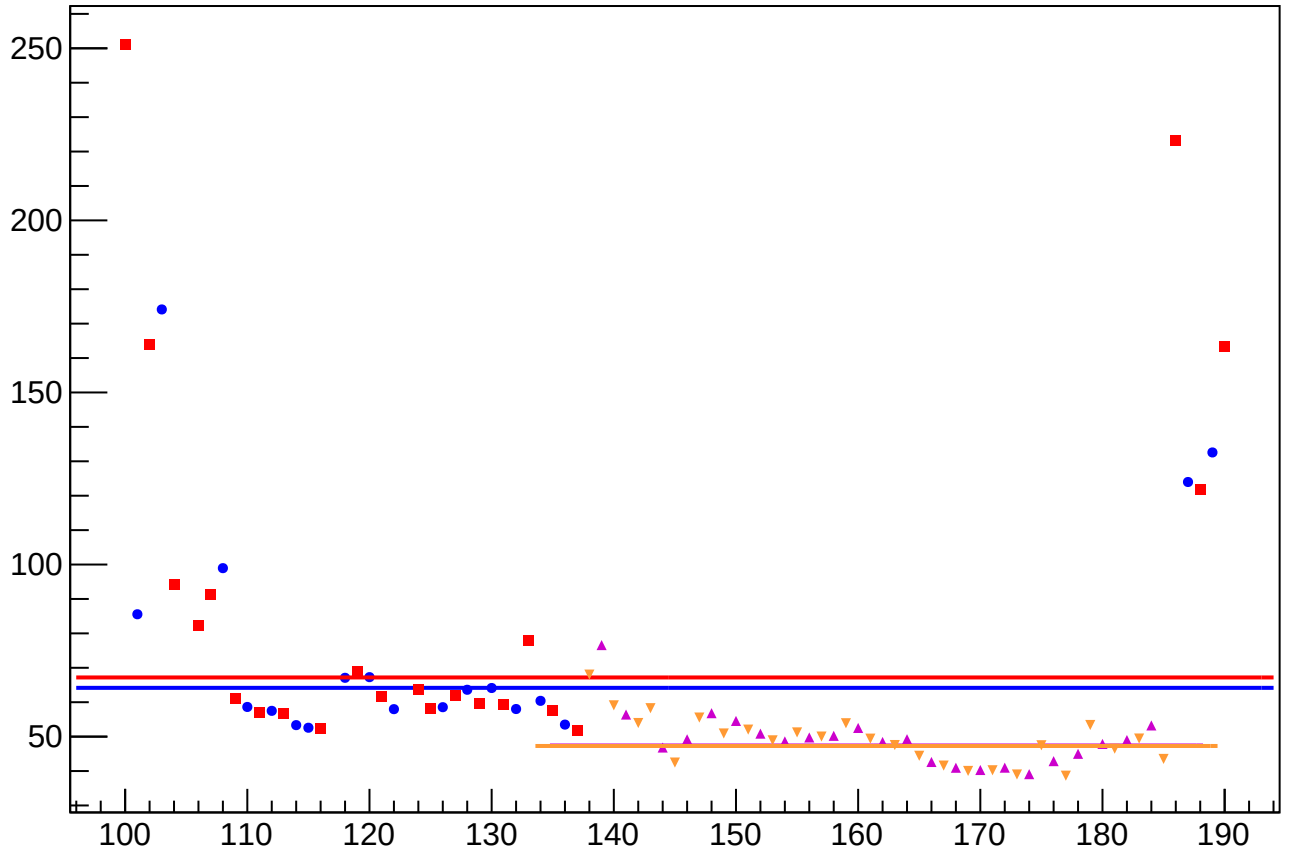
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 54.919+/-16.881 χ^2/NDF: 43.3/39

In: -4.384+/-10.156 χ^2/NDF:44.0/40

Out: -9.285+/-9.903 χ^2/NDF:83.7/46

All: -6.896+/-7.090 χ^2/NDF: 127.8/87



Right In: 64.174+/-0.017 χ^2/NDF: 1130774.9/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 67.193+/-0.017 χ^2/NDF: 1863890.0/21

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

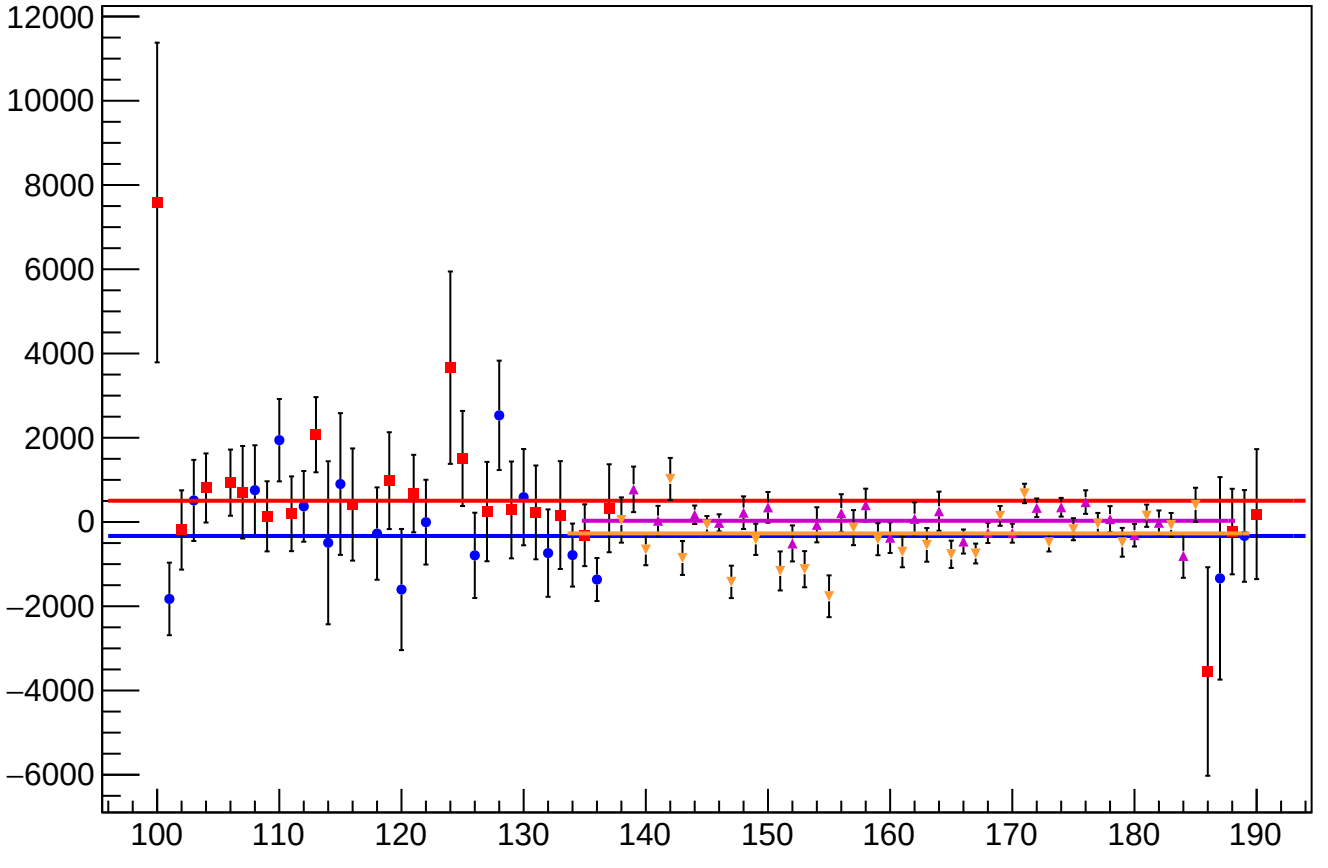
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 65.689+/-0.012 χ^2/NDF: 3010656.1/39

In: 50.445+/-0.007 χ^2/NDF:2590422.5/40

Out: 50.722+/-0.007 χ^2/NDF:3736093.1/46

All: 50.587+/-0.005 χ^2/NDF: 6327276.9/87



Right In: -331.523+/-231.873 χ^2/NDF: 22.9/17

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 504.778+/-224.711 χ^2/NDF: 15.5/21

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

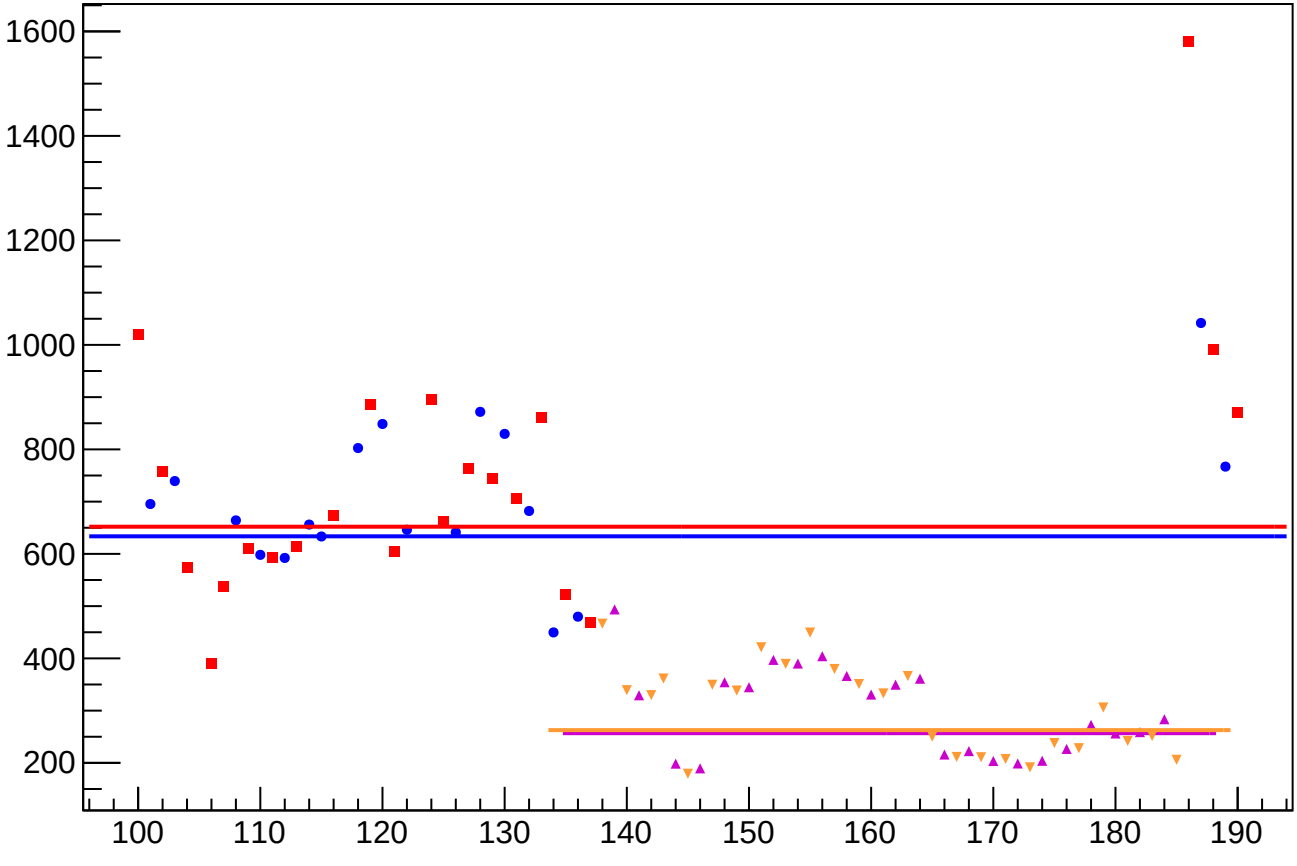
Right: 99.743+/-161.367 χ^2/NDF: 45.1/39

In: 4.645+/-60.500 χ^2/NDF:49.5/40

Out: -215.575+/-60.076 χ^2/NDF:100.5/46

All: -106.238+/-42.629 χ^2/NDF: 156.7/87

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 633.606+/-0.164 χ^2/NDF: 657130.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 652.024+/-0.159 χ^2/NDF: 1190699.7/21

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

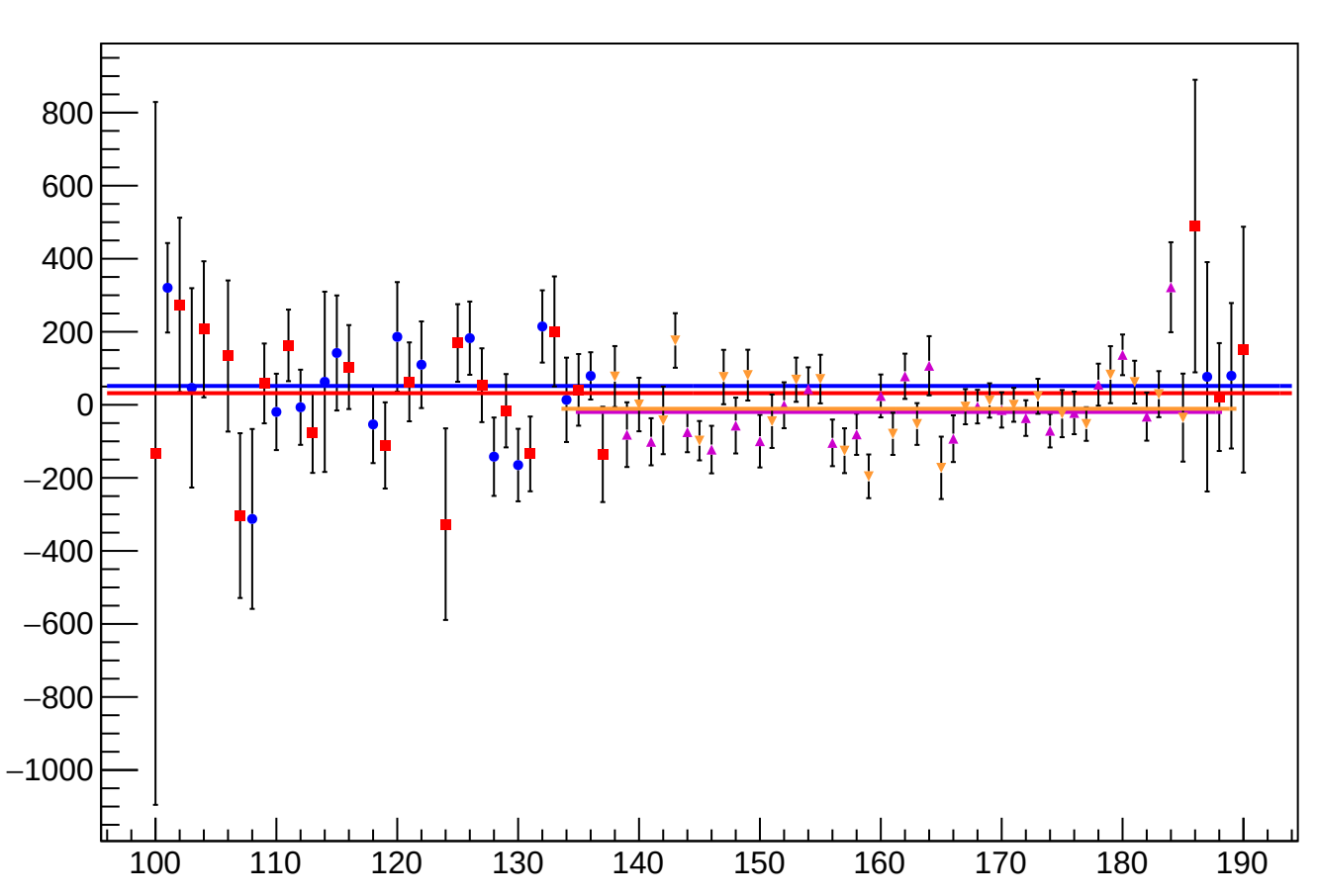
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 643.104+/-0.114 χ^2/NDF: 1854337.4/39

In: 282.492+/-0.043 χ^2/NDF:8217242.4/40

Out: 290.508+/-0.042 χ^2/NDF:9658961.9/46

All: 286.528+/-0.030 χ^2/NDF: 17893883.1/87



Right In: 51.608+/-27.923 χ^2/NDF: 22.9/17

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.896+/-28.201 χ^2/NDF: 20.0/21

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

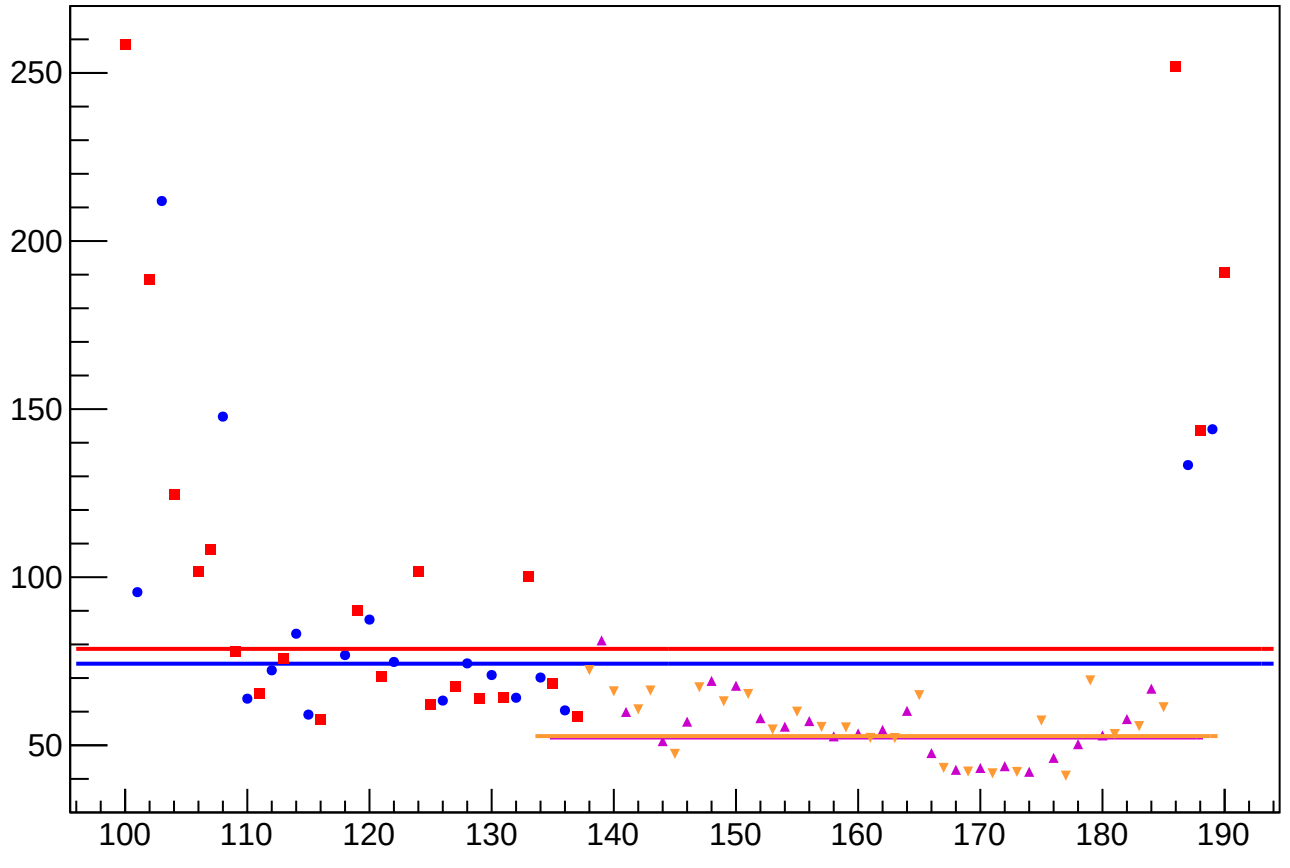
Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

Right: 41.850+/-19.842 χ^2/NDF: 43.1/39

In: -7.638+/-11.444 χ^2/NDF:65.1/40

Out: -3.990+/-11.279 χ^2/NDF:62.3/46

All: -5.787+/-8.033 χ^2/NDF: 127.4/87



Right In: 74.268+/-0.020 χ^2/NDF: 1263185.2/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 78.678+/-0.020 χ^2/NDF: 2076651.6/21

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

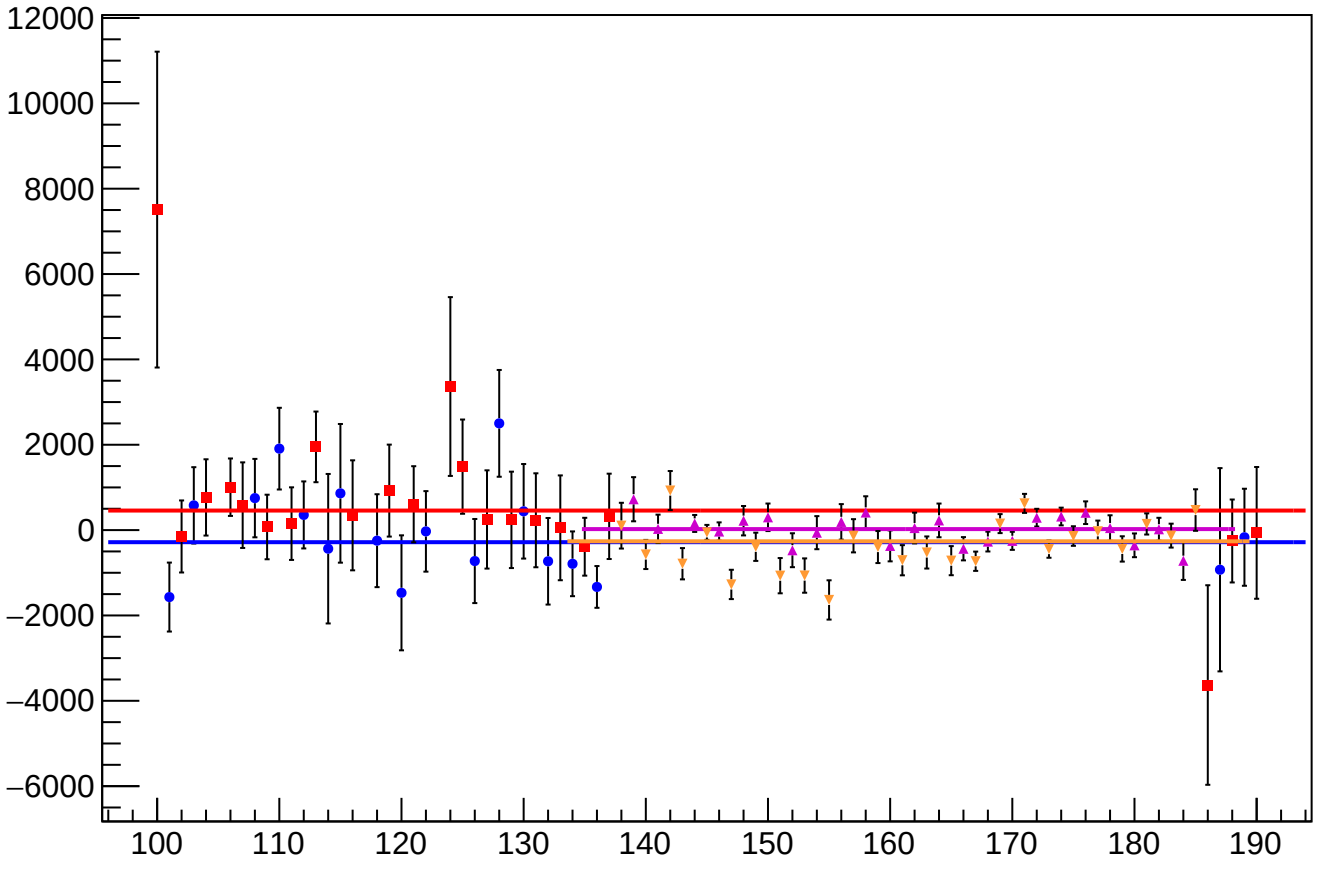
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 76.451+/-0.014 χ^2/NDF: 3364533.1/39

In: 56.001+/-0.008 χ^2/NDF:3183718.5/40

Out: 56.881+/-0.008 χ^2/NDF:4666119.8/46

All: 56.448+/-0.006 χ^2/NDF: 7855839.8/87



Right In: -283.304+/-222.373 χ^2/NDF: 22.9/17

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 457.976+/-212.459 χ^2/NDF: 17.1/21

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

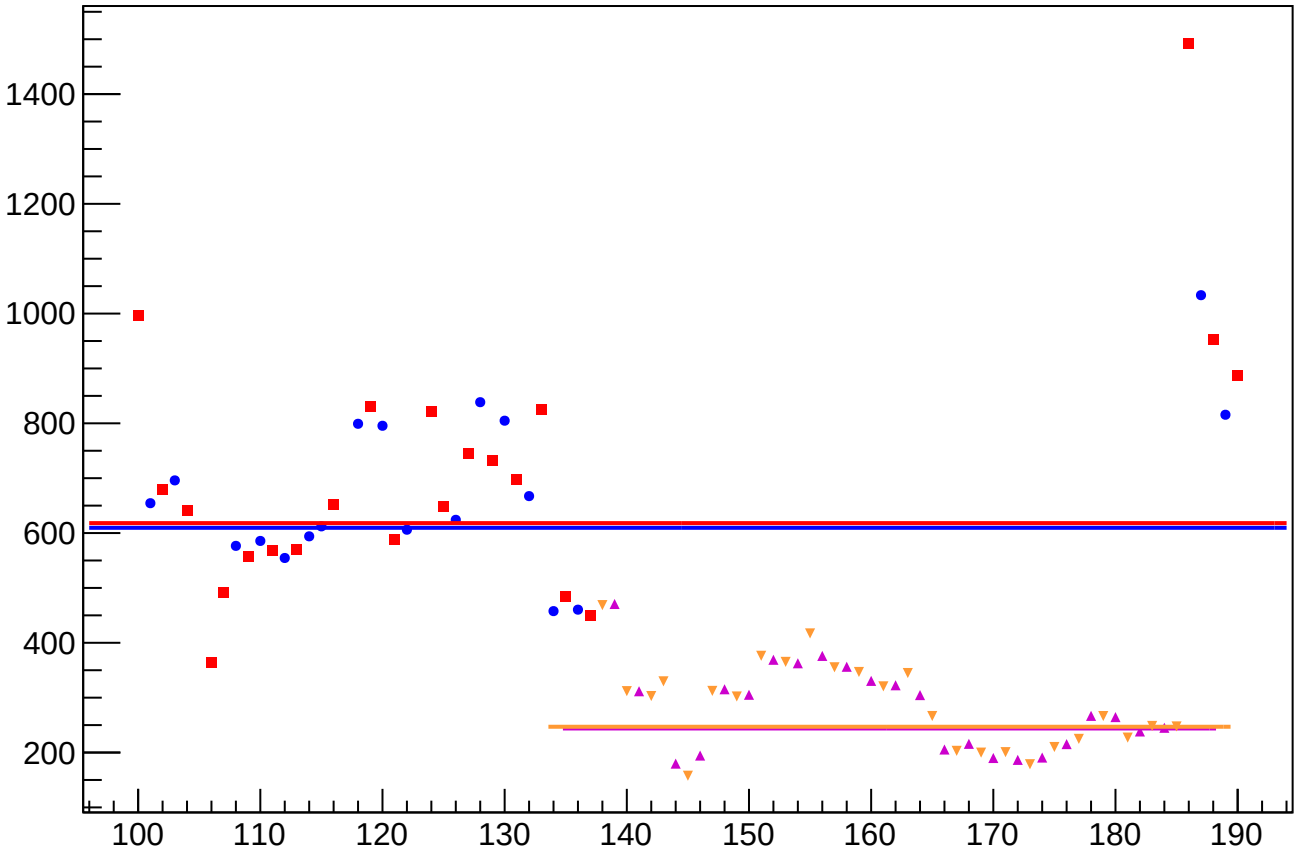
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 104.228+/-153.617 χ^2/NDF: 45.8/39

In: 3.040+/-57.385 χ^2/NDF:48.8/40

Out: -211.800+/-56.402 χ^2/NDF:100.0/46

All: -106.236+/-40.225 χ^2/NDF: 156.0/87



Right In: 609.590+/-0.157 χ^2/NDF: 668558.7/17

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 618.112+/-0.150 χ^2/NDF: 1303191.4/21

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

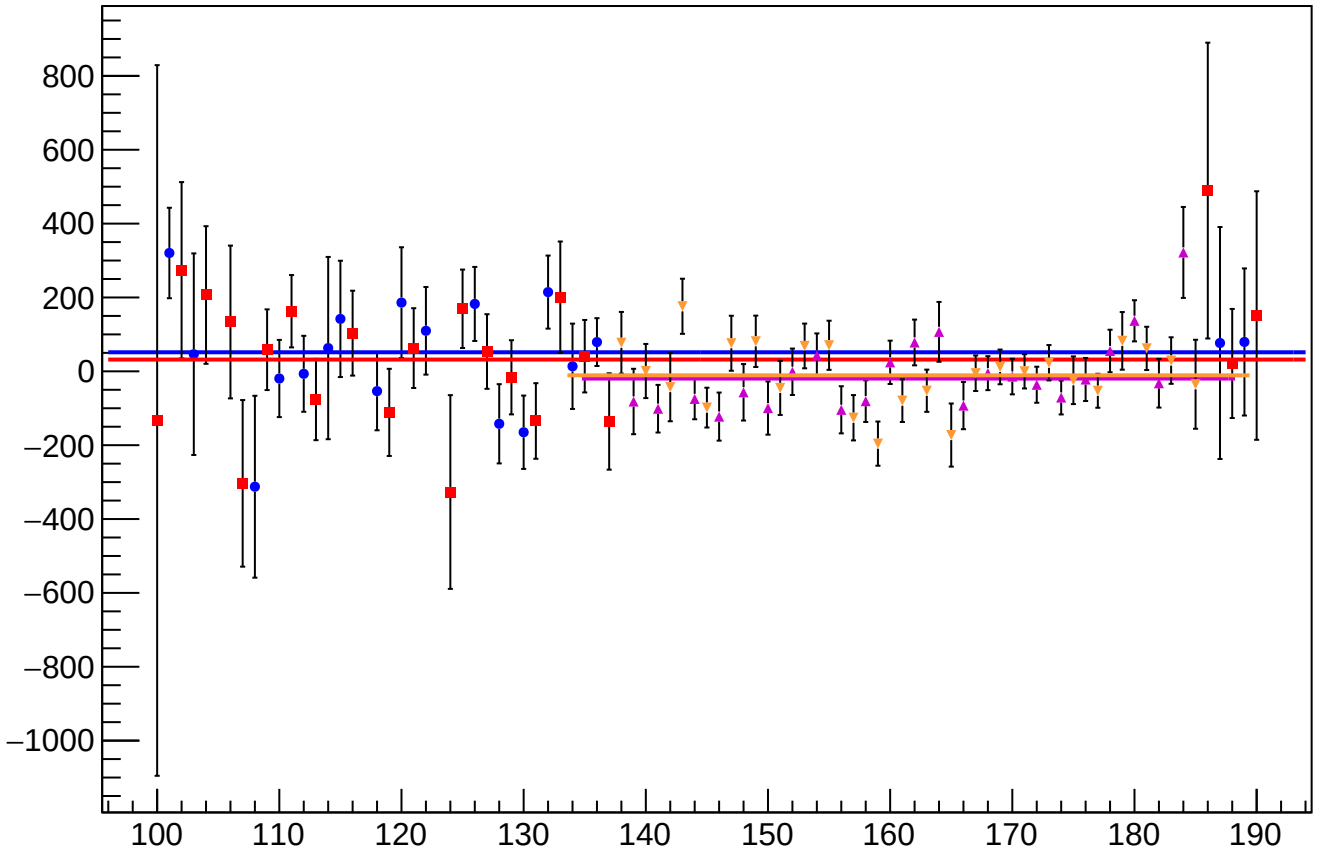
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 614.045+/-0.109 χ^2/NDF: 1973285.8/39

In: 268.182+/-0.041 χ^2/NDF:8209658.5/40

Out: 273.150+/-0.040 χ^2/NDF:9901206.8/46

All: 270.709+/-0.028 χ^2/NDF: 18118487.9/87



Right In: 51.608+/-27.923 χ^2/NDF: 22.9/17

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.895+/-28.201 χ^2/NDF: 20.0/21

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

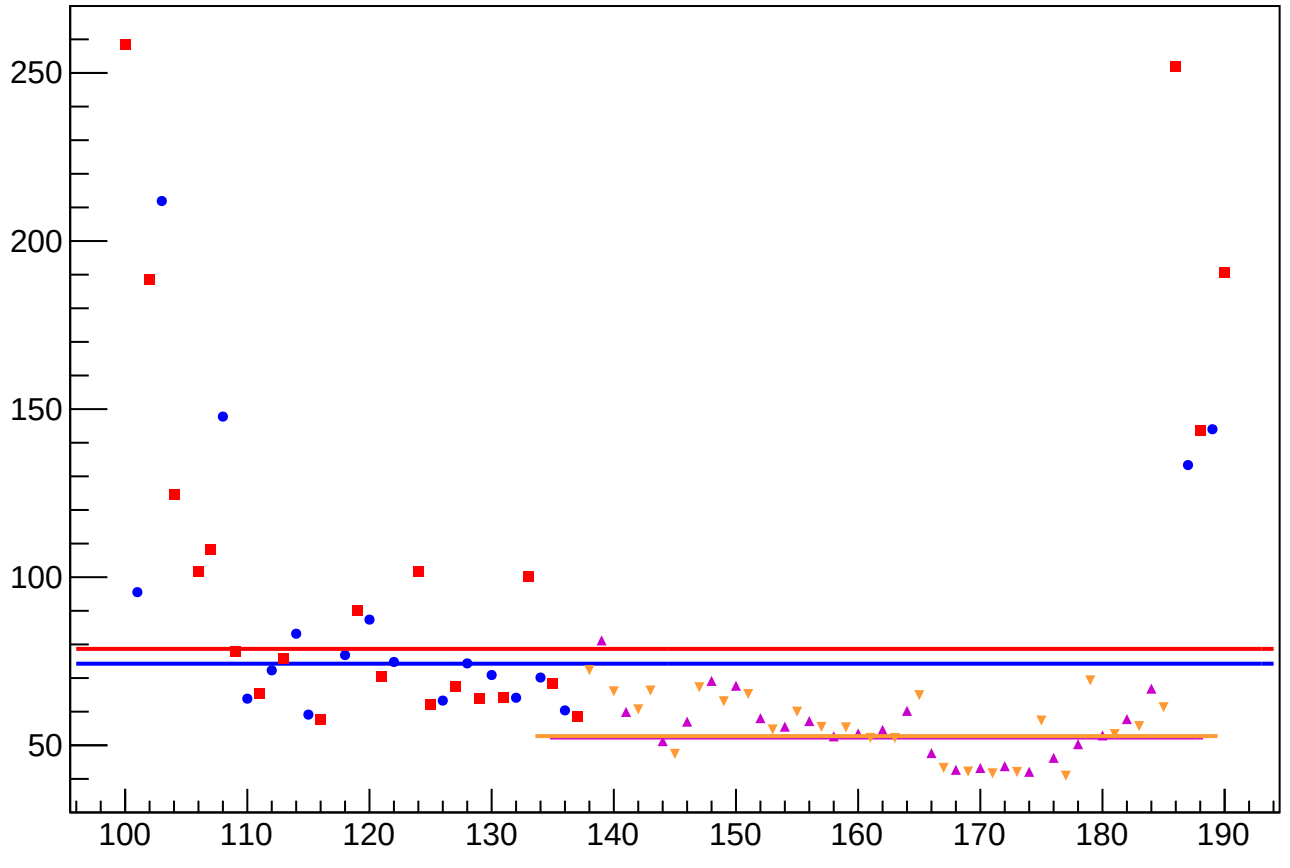
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 41.849+/-19.842 χ^2/NDF: 43.1/39

In: -7.638+/-11.444 χ^2/NDF:65.1/40

Out: -3.989+/-11.279 χ^2/NDF:62.3/46

All: -5.787+/-8.033 χ^2/NDF: 127.4/87



Right In: 74.268+/-0.020 χ^2/NDF: 1263190.4/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 78.678+/-0.020 χ^2/NDF: 2076649.2/21

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

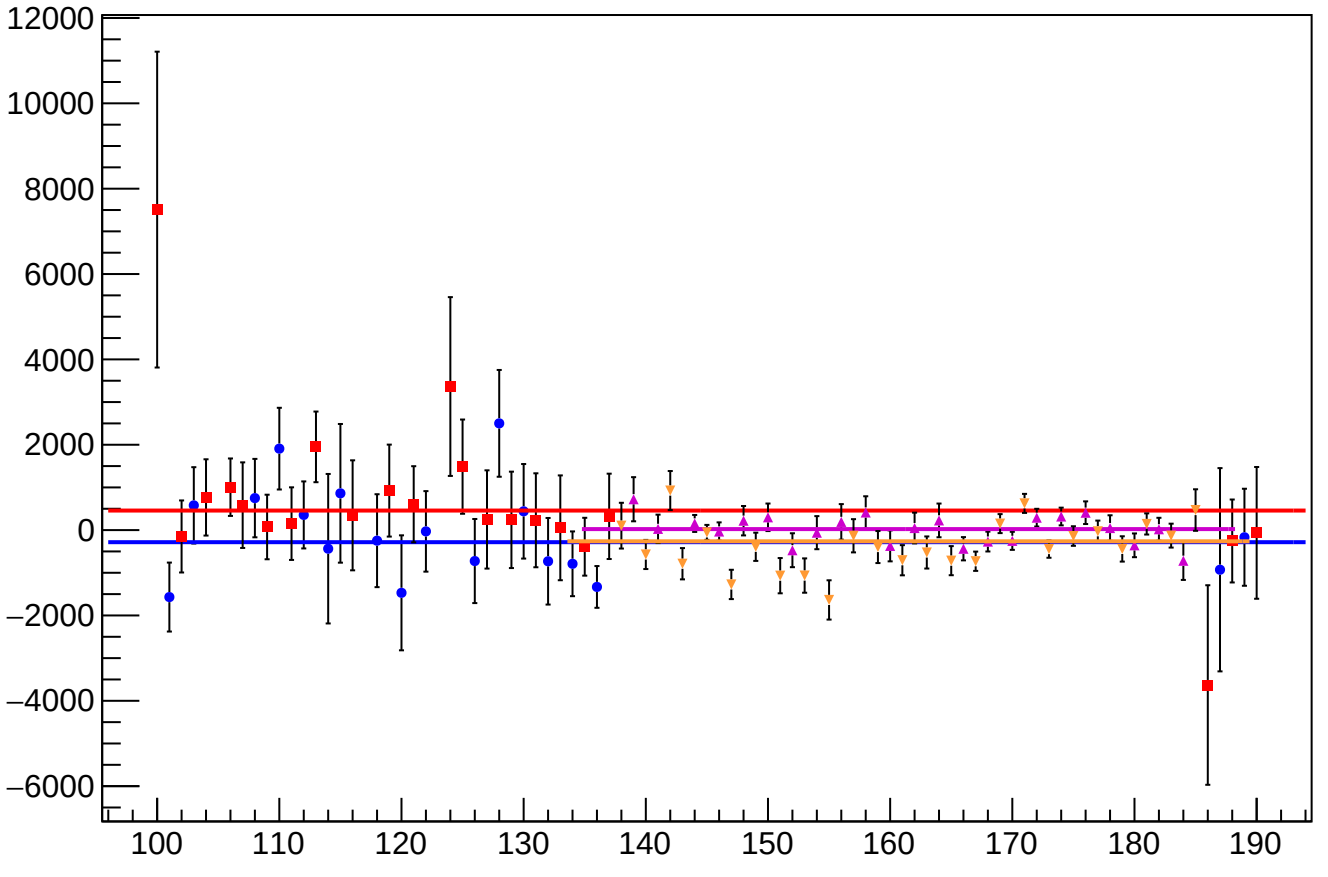
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 76.451+/-0.014 χ^2/NDF: 3364536.8/39

In: 56.001+/-0.008 χ^2/NDF:3183715.9/40

Out: 56.881+/-0.008 χ^2/NDF:4666130.9/46

All: 56.448+/-0.006 χ^2/NDF: 7855848.5/87



Right In: -283.303+/-222.374 χ^2/NDF: 22.9/17

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 457.976+/-212.459 χ^2/NDF: 17.1/21

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

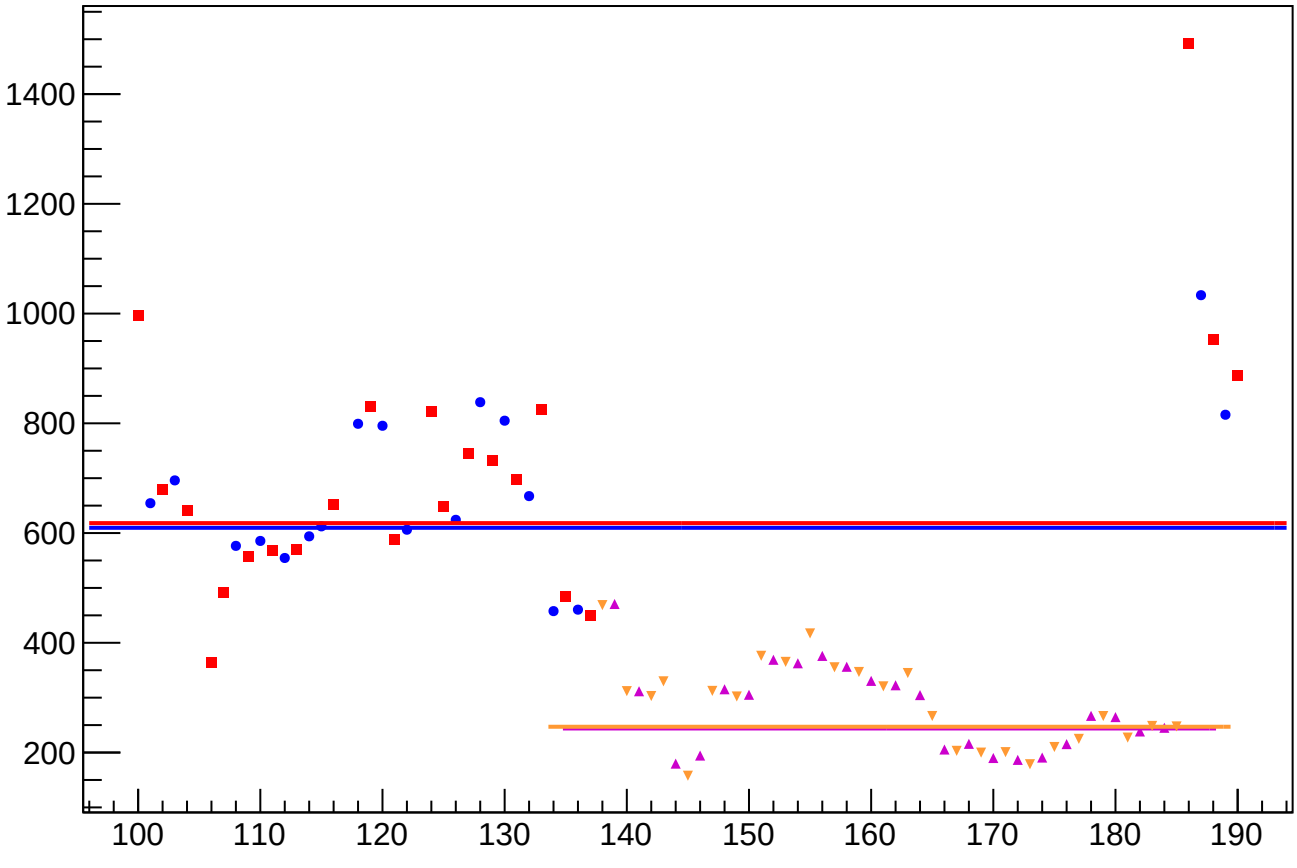
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 104.229+/-153.617 χ^2/NDF: 45.8/39

In: 3.040+/-57.385 χ^2/NDF:48.8/40

Out: -211.801+/-56.402 χ^2/NDF:100.0/46

All: -106.237+/-40.225 χ^2/NDF: 156.0/87



Right In: 609.590+/-0.157 χ^2/NDF: 668556.3/17

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 618.112+/-0.150 χ^2/NDF: 1303186.8/21

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

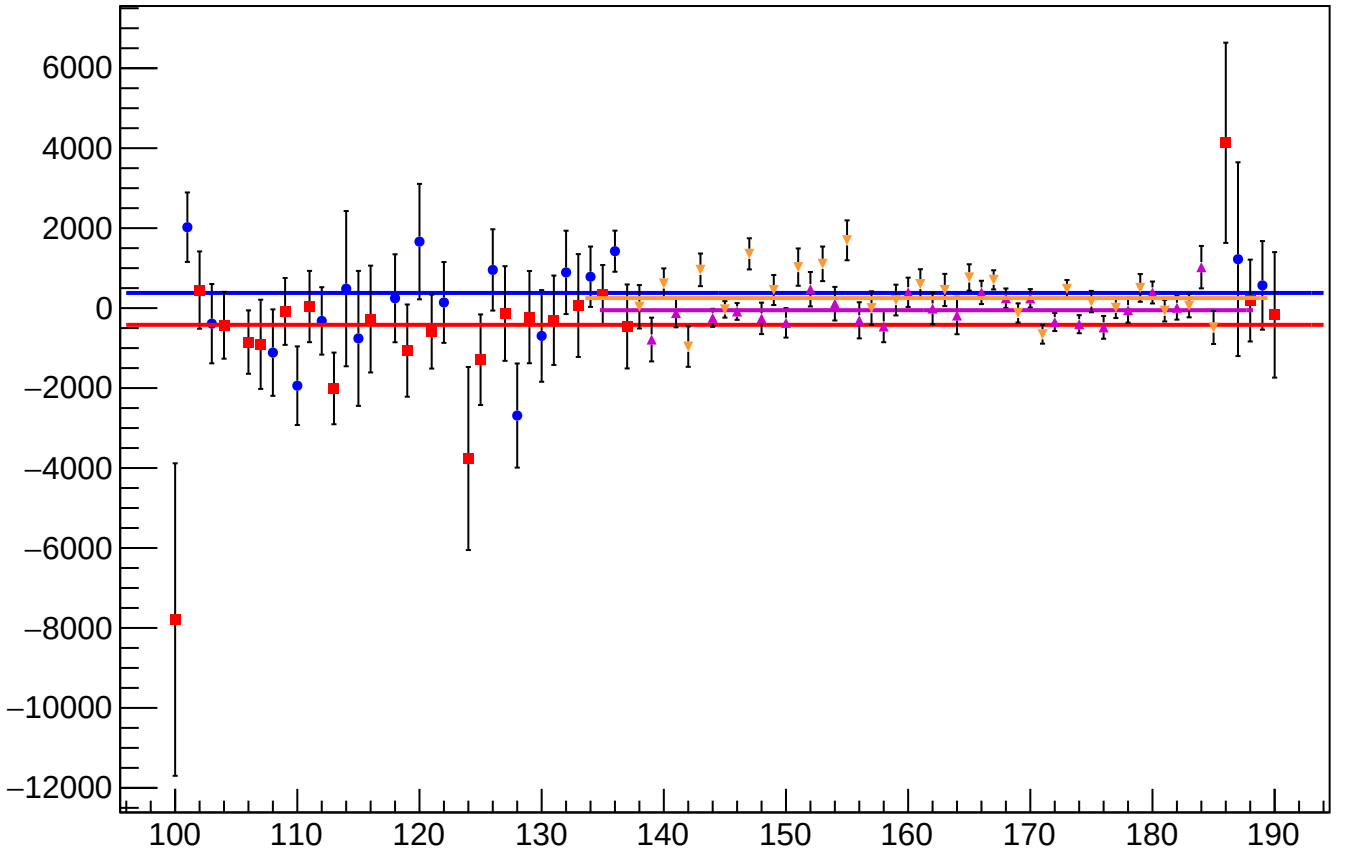
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 614.045+/-0.109 χ^2/NDF: 1973278.7/39

In: 268.182+/-0.041 χ^2/NDF:8209659.9/40

Out: 273.150+/-0.040 χ^2/NDF:9901190.2/46

All: 270.709+/-0.028 χ^2/NDF: 18118473.1/87



Right In: 379.585+/-233.747 χ^2/NDF: 25.2/17

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -418.288+/-226.632 χ^2/NDF: 16.5/21

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

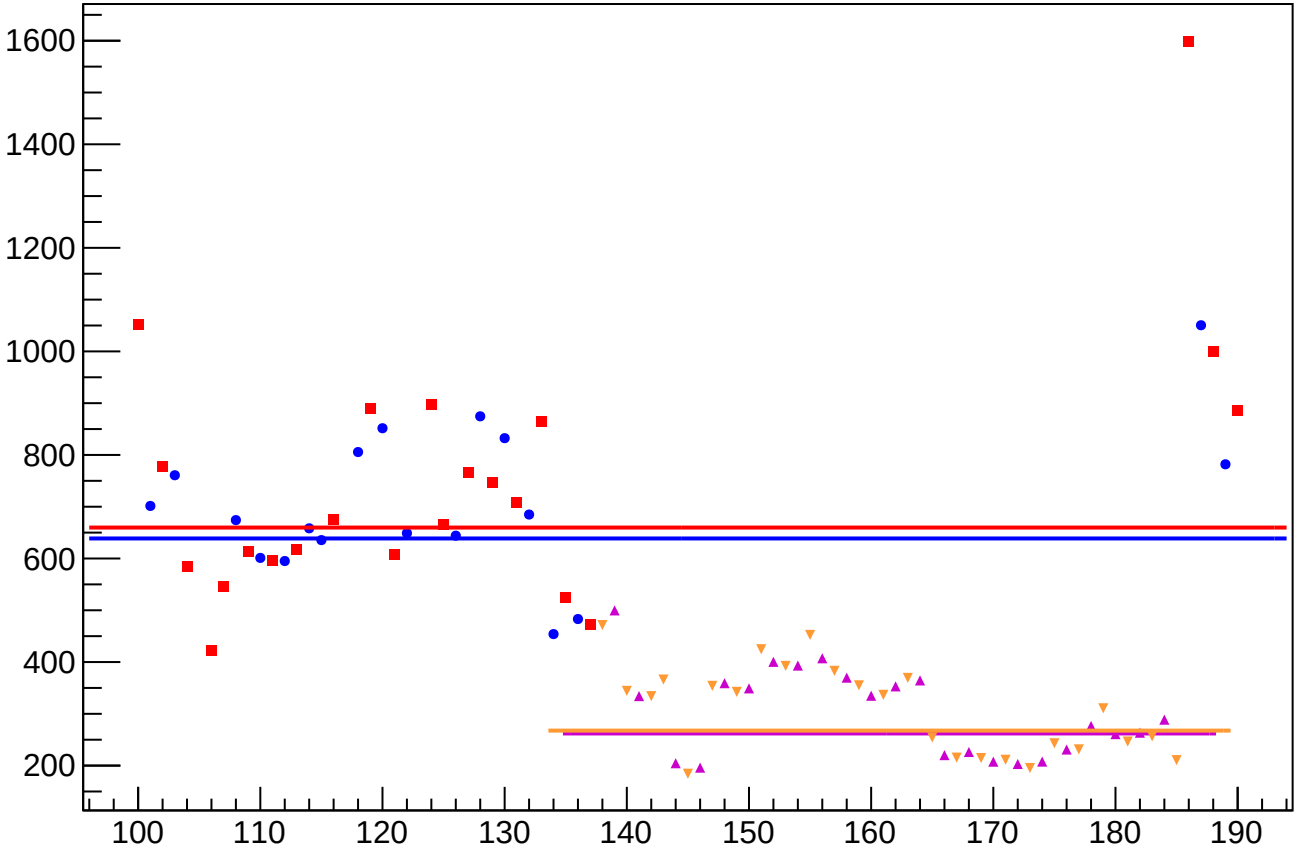
Right: -31.679+/-162.710 χ^2/NDF: 47.7/39

In: -21.766+/-61.587 χ^2/NDF:55.2/40

Out: 202.492+/-61.077 χ^2/NDF:92.1/46

All: 91.295+/-43.367 χ^2/NDF: 154.0/87

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 638.684+/-0.165 χ^2/NDF: 661995.0/17

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 659.763+/-0.160 χ^2/NDF: 1149398.9/21

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

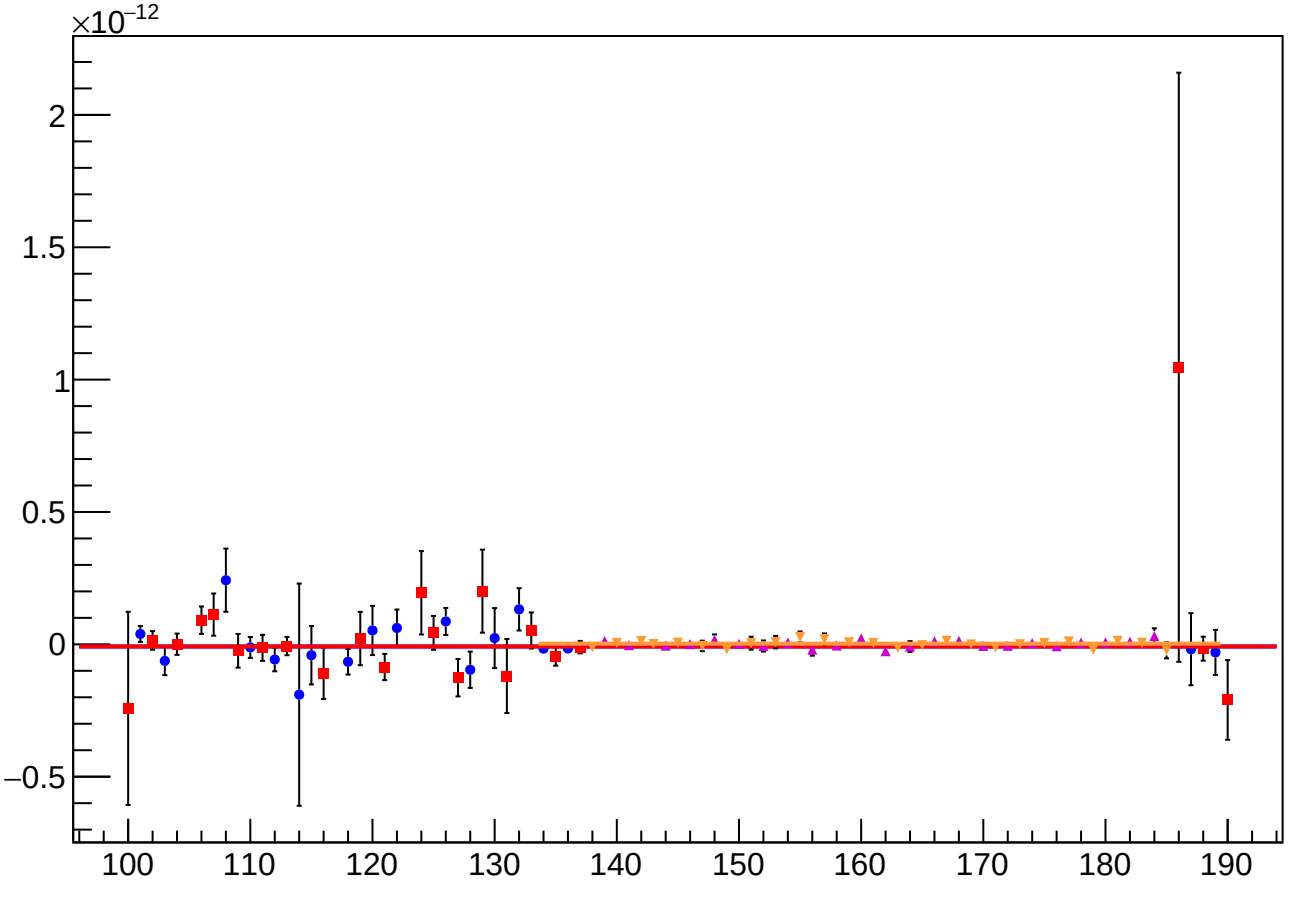
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 649.549+/-0.115 χ^2/NDF: 1819777.6/39

In: 288.236+/-0.044 χ^2/NDF:8030412.5/40

Out: 296.072+/-0.043 χ^2/NDF:9504758.8/46

All: 292.187+/-0.031 χ^2/NDF: 17551497.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/21

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

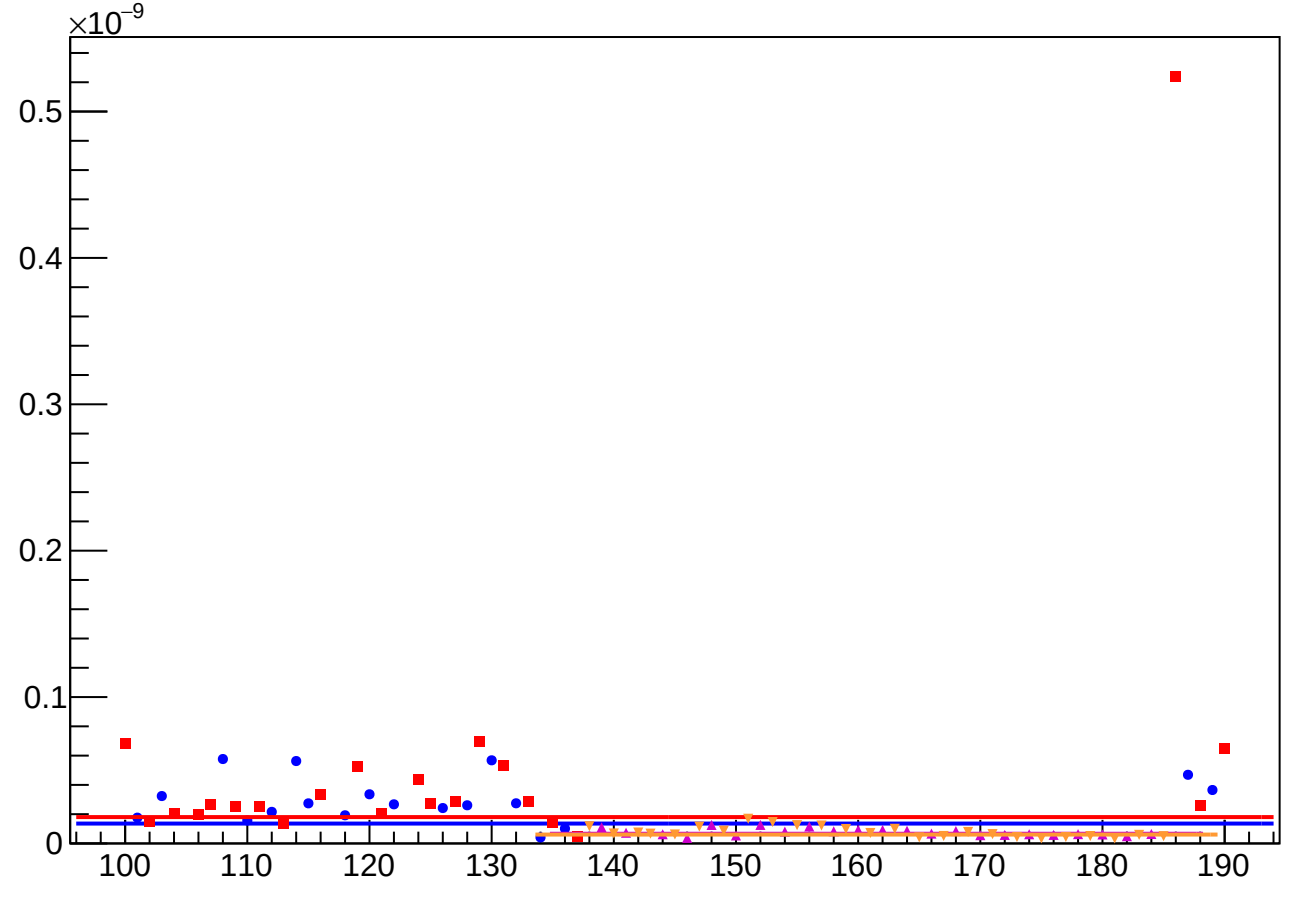
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 43.8/39

In: 0.000+/-0.000 χ^2/NDF:34.2/40

Out: 0.000+/-0.000 χ^2/NDF:38.8/46

All: 0.000+/-0.000 χ^2/NDF: 73.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 2352165.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2327264.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

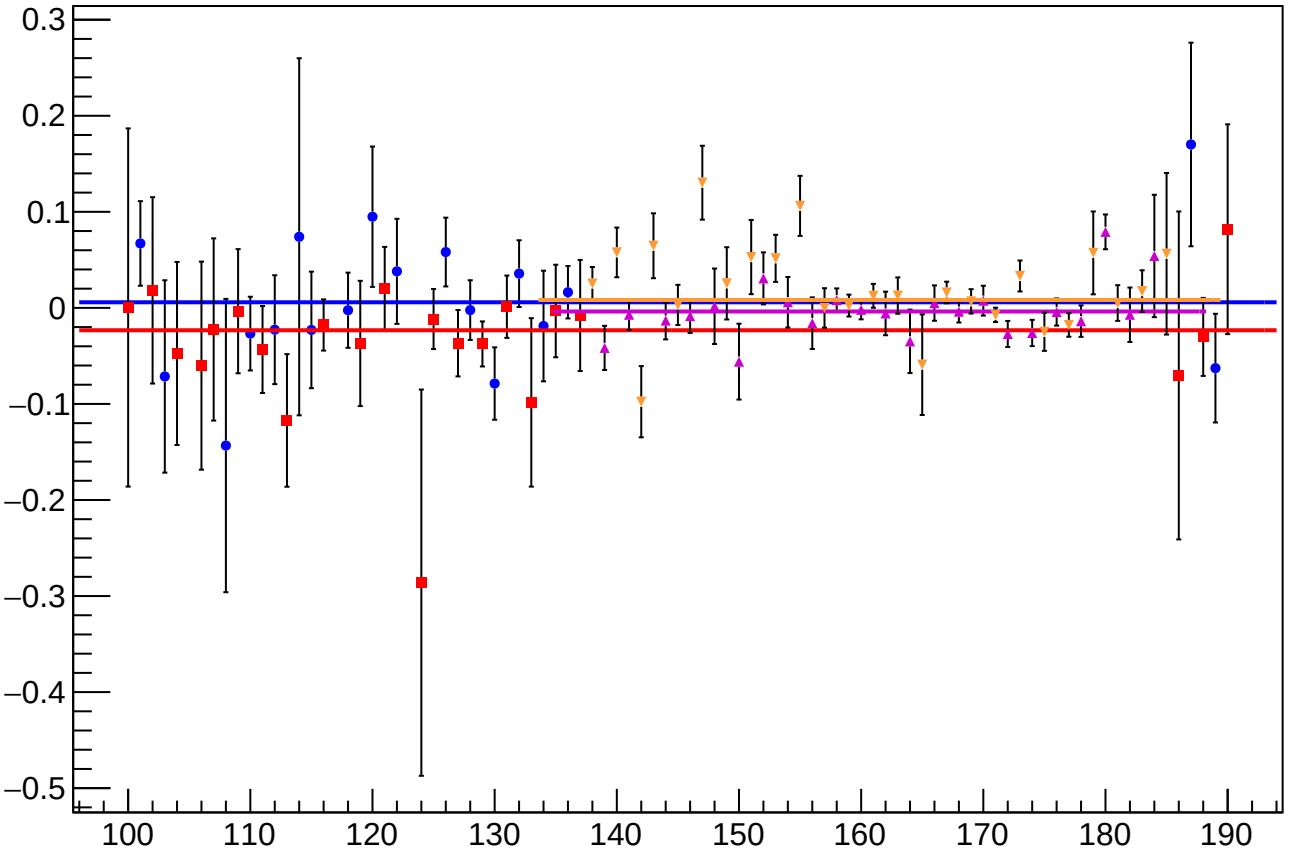
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4865227.6/39

In: 0.000+/-0.000 χ^2/NDF:4564444.2/40

Out: 0.000+/-0.000 χ^2/NDF:6927932.3/46

All: 0.000+/-0.000 χ^2/NDF: 11538481.5/87



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.023+/-0.010 χ^2/NDF: 8.5/21

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

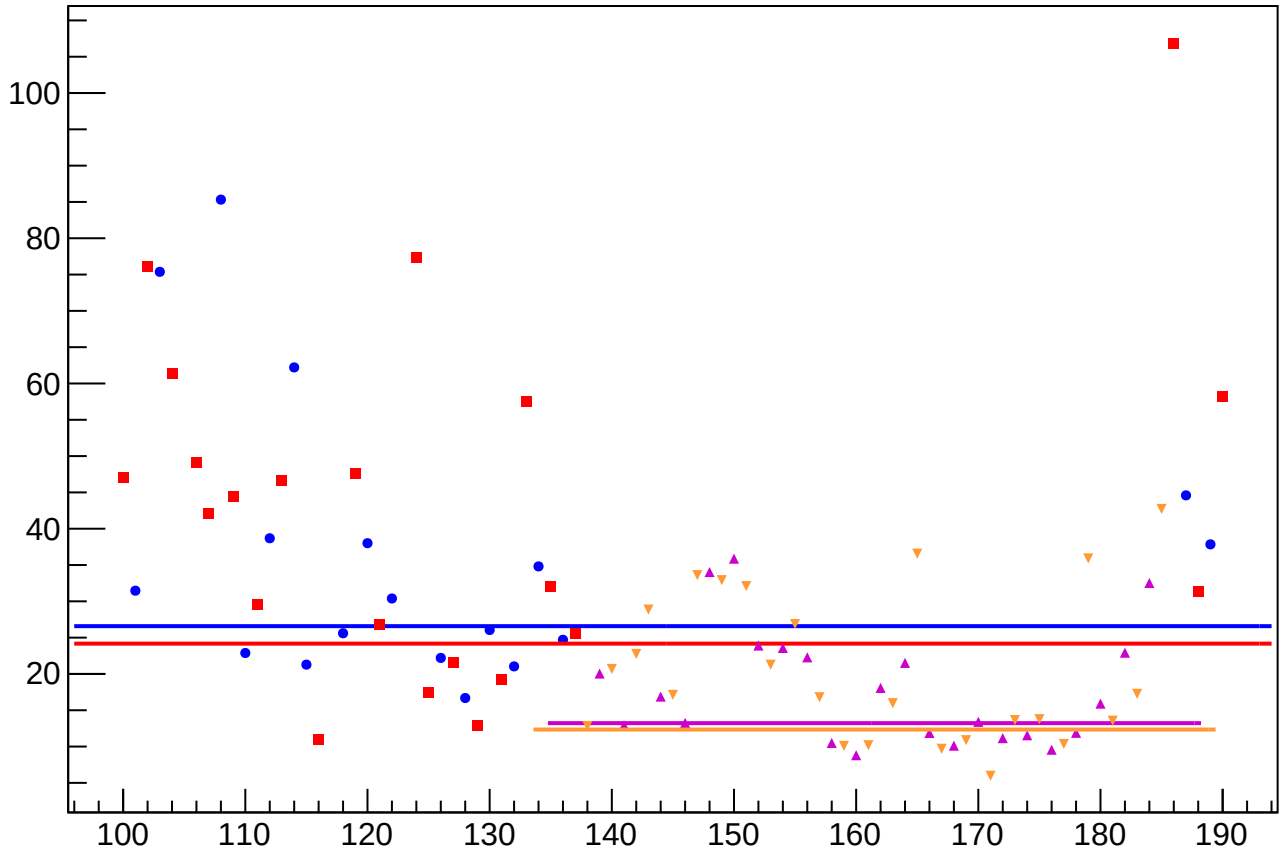
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.010+/-0.007 χ^2/NDF: 31.3/39

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:76.1/46

All: 0.001+/-0.002 χ^2/NDF: 135.5/87



Right In: 26.580+/-0.008 χ^2/NDF: 1525206.2/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 24.174+/-0.007 χ^2/NDF: 4109393.6/21

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

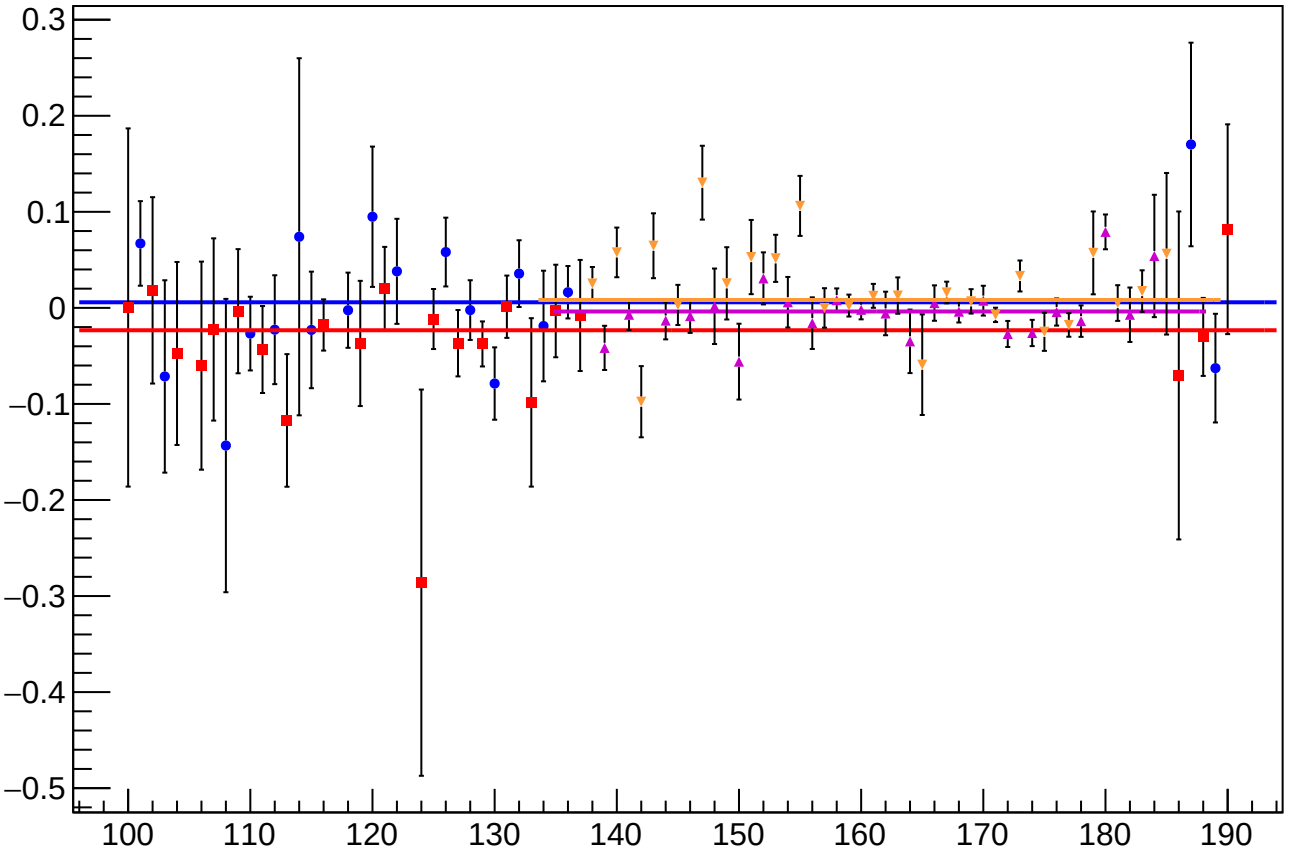
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 25.294+/-0.005 χ^2/NDF: 5687335.9/39

In: 14.575+/-0.002 χ^2/NDF:8127103.1/40

Out: 13.580+/-0.002 χ^2/NDF:13307798.0/46

All: 14.052+/-0.002 χ^2/NDF: 21522658.2/87



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.023+/-0.010 χ^2/NDF: 8.5/21

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

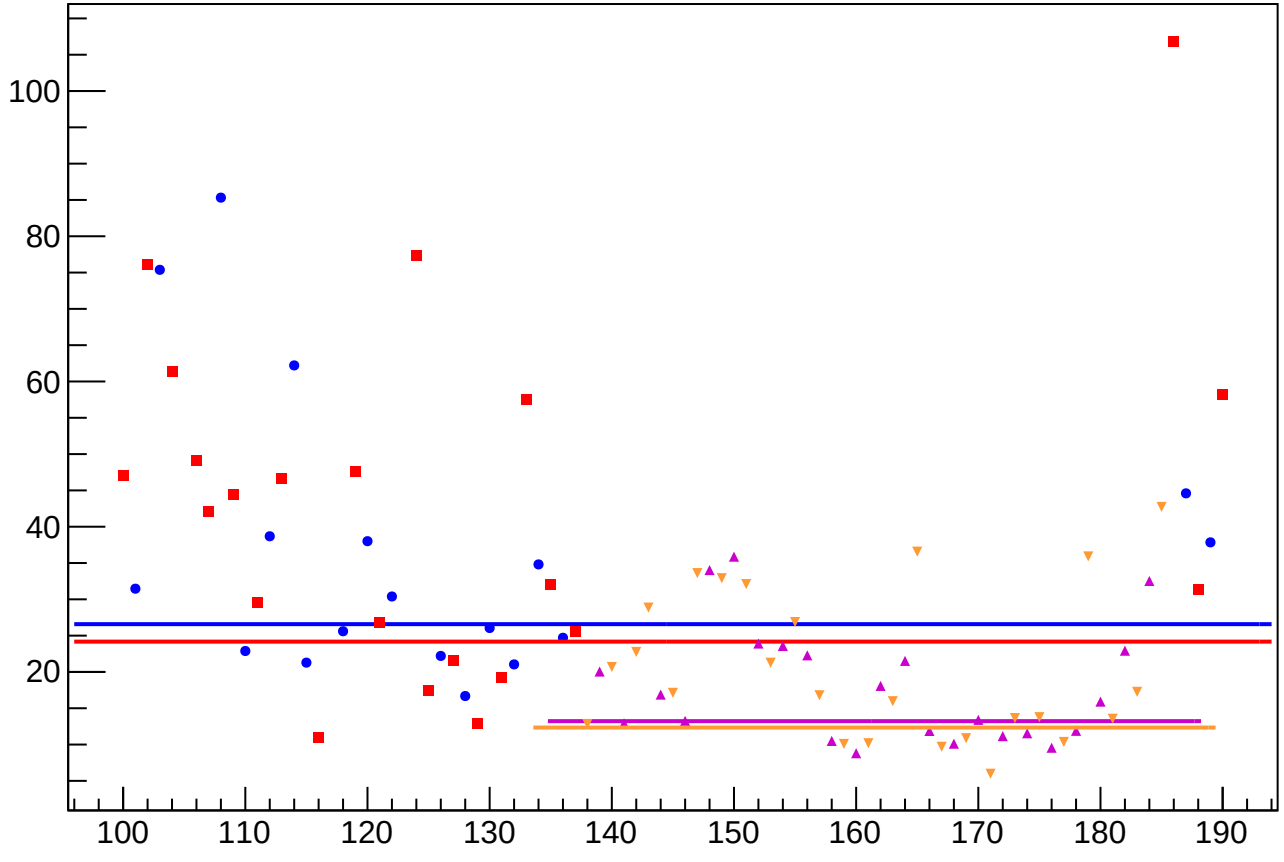
Right: -0.010+/-0.007 χ^2/NDF: 31.3/39

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:76.1/46

All: 0.001+/-0.002 χ^2/NDF: 135.5/87

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.580+/-0.008 χ^2/NDF: 1525206.2/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 24.174+/-0.007 χ^2/NDF: 4109393.6/21

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

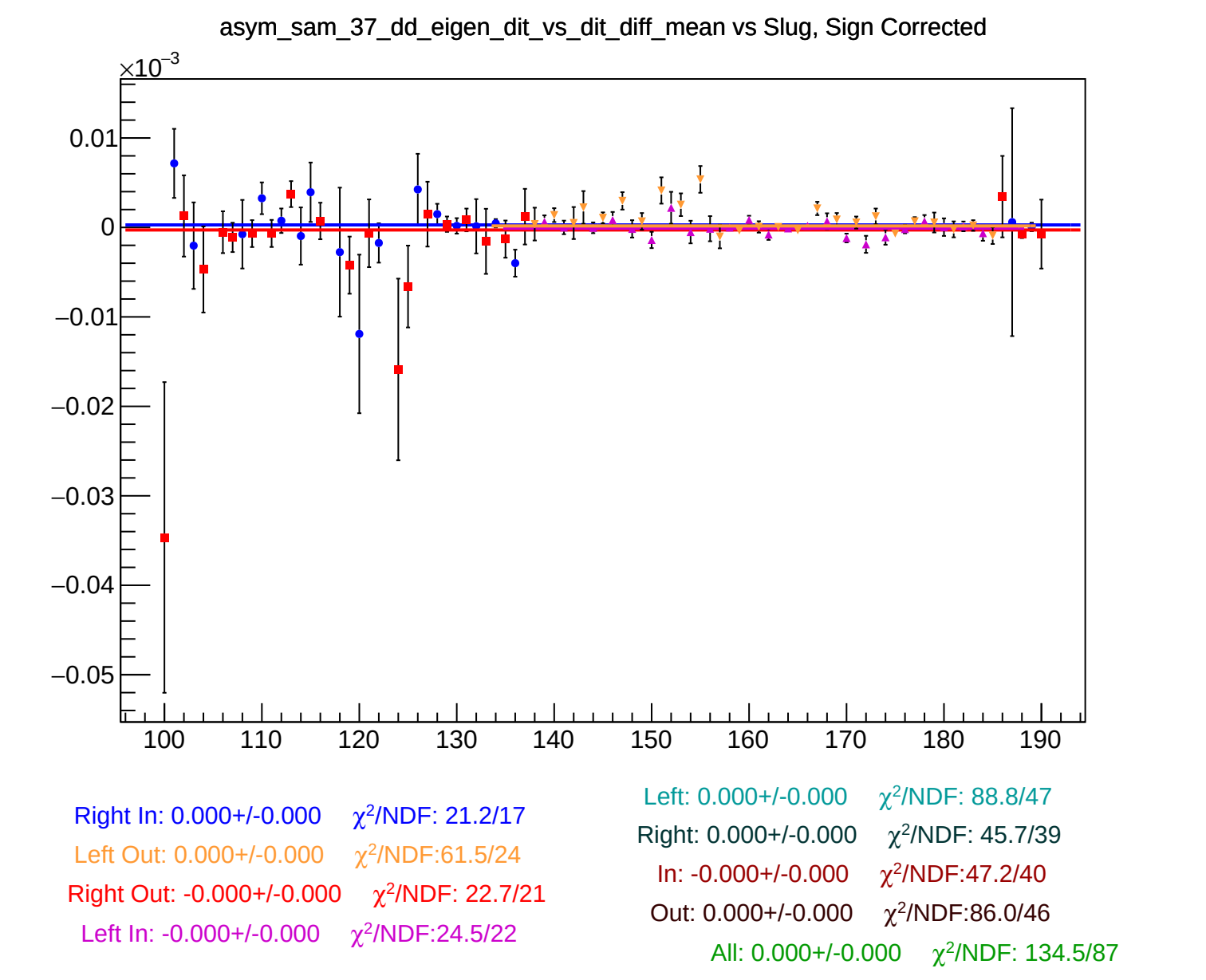
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

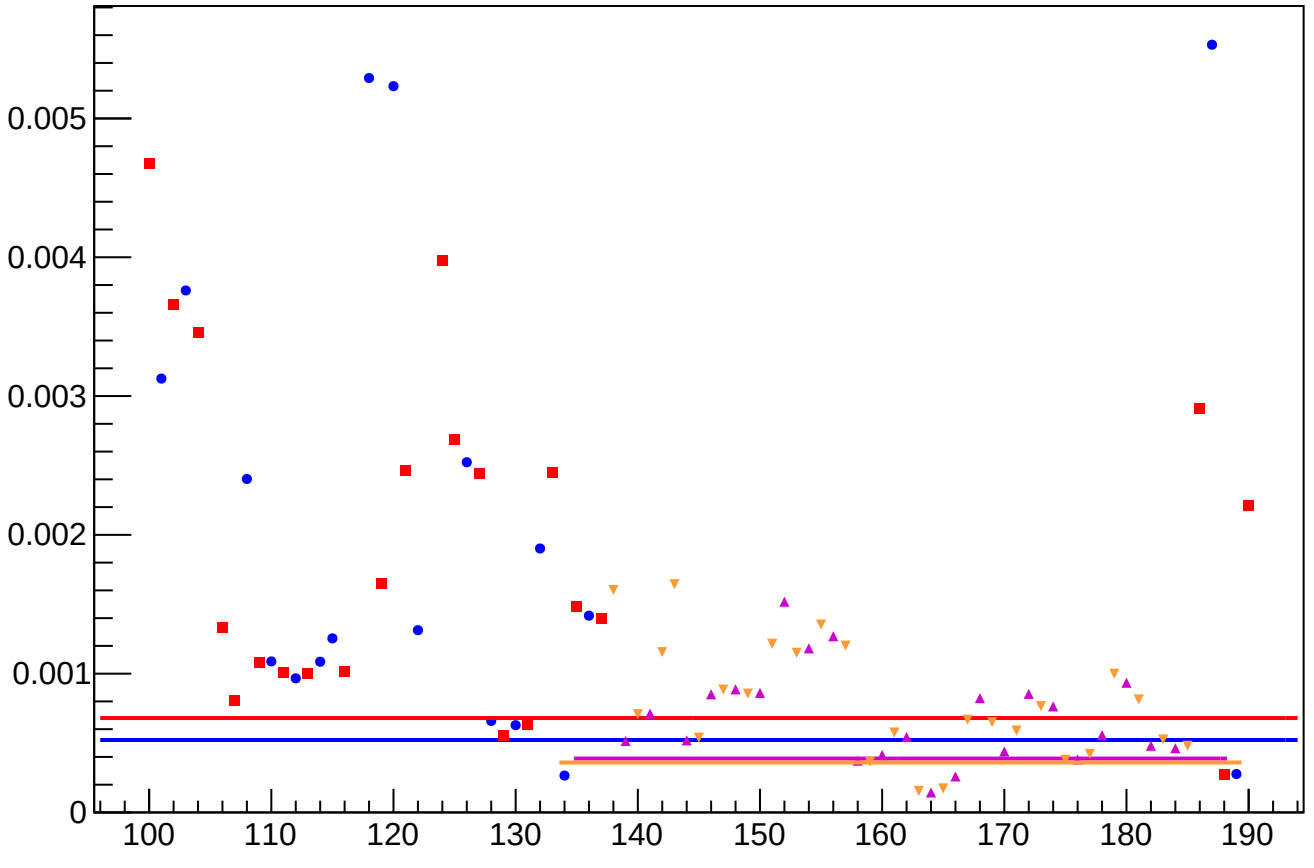
Right: 25.294+/-0.005 χ^2/NDF: 5687335.9/39

In: 14.575+/-0.002 χ^2/NDF:8127103.1/40

Out: 13.580+/-0.002 χ^2/NDF:13307798.0/46

All: 14.052+/-0.002 χ^2/NDF: 21522658.2/87


asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.2/17
Left Out: 0.000+/-0.000 χ²/NDF:61.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/21
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
Left: 0.000+/-0.000 χ²/NDF: 88.8/47
Right: 0.000+/-0.000 χ²/NDF: 45.7/39
In: -0.000+/-0.000 χ²/NDF:47.2/40
Out: 0.000+/-0.000 χ²/NDF:86.0/46
All: 0.000+/-0.000 χ²/NDF: 134.5/87



Right In: 0.001+/-0.000 χ^2/NDF: 7678598.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7142724.0/21

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

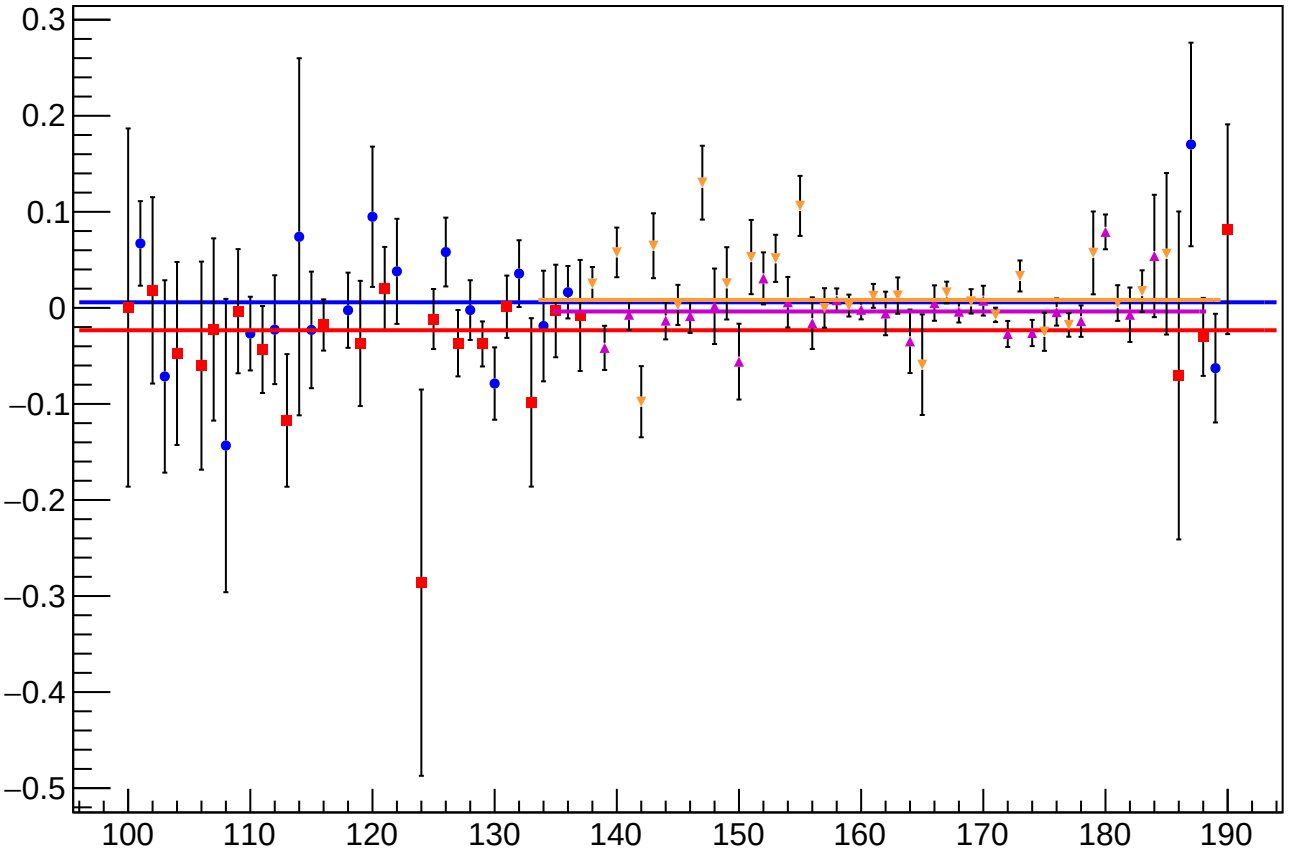
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 15099274.2/39

In: 0.000+/-0.000 χ^2/NDF:18541842.1/40

Out: 0.000+/-0.000 χ^2/NDF:22950661.0/46

All: 0.000+/-0.000 χ^2/NDF: 41517868.6/87



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.023+/-0.010 χ^2/NDF: 8.5/21

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

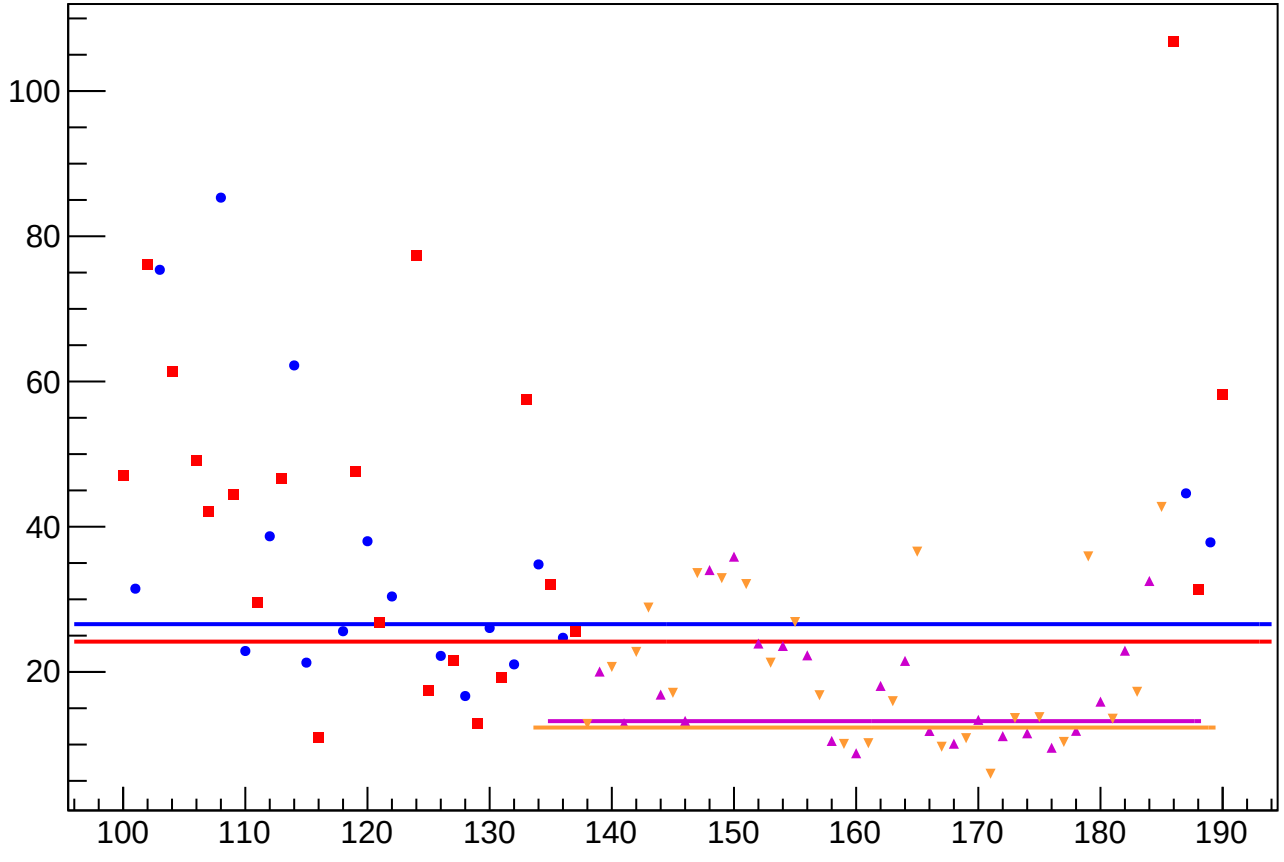
Right: -0.010+/-0.007 χ^2/NDF: 31.3/39

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:76.1/46

All: 0.001+/-0.002 χ^2/NDF: 135.5/87

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 24.175+/-0.007 χ^2/NDF: 4109185.2/21

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

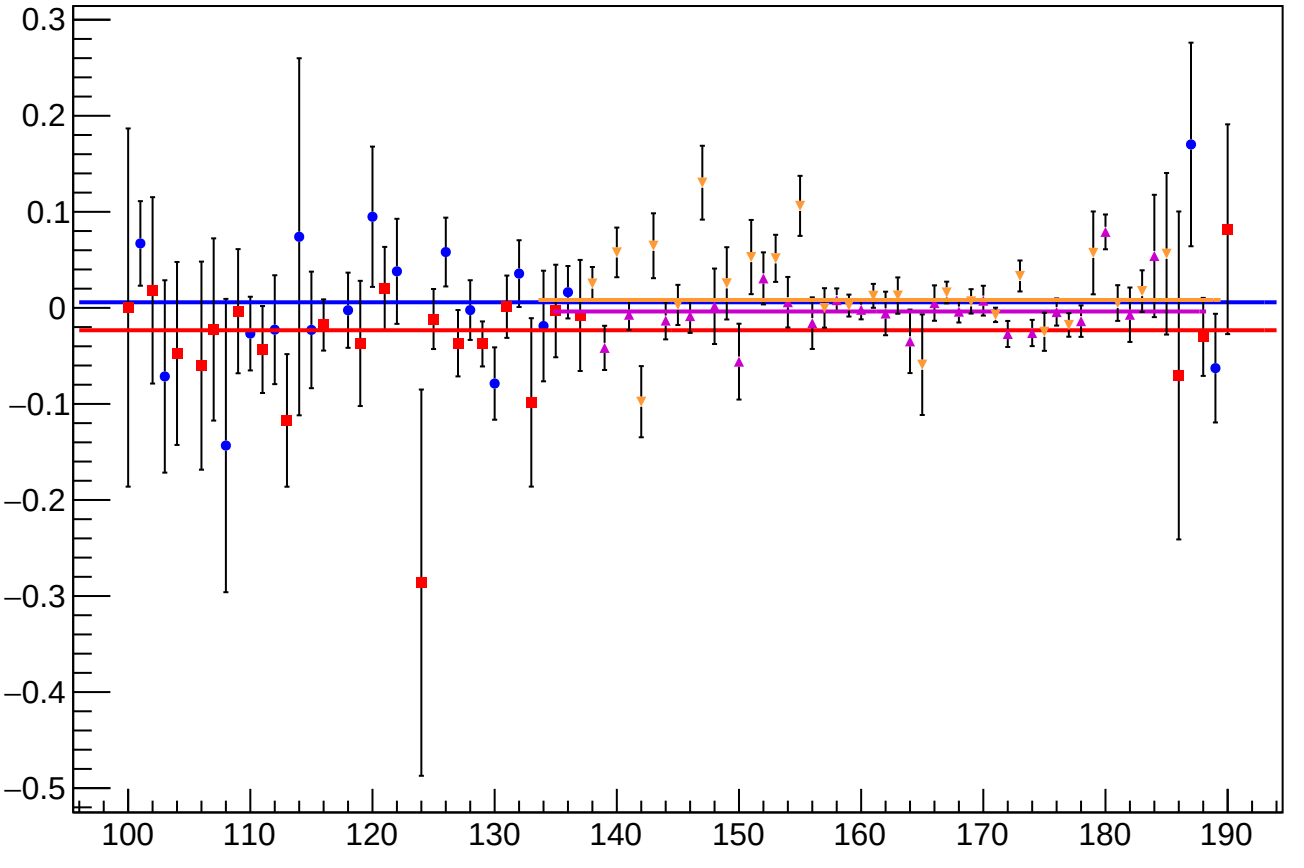
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 25.294+/-0.005 χ^2/NDF: 5687063.7/39

In: 14.575+/-0.002 χ^2/NDF:8127289.4/40

Out: 13.581+/-0.002 χ^2/NDF:13307928.6/46

All: 14.052+/-0.002 χ^2/NDF: 21522965.3/87



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.023+/-0.010 χ^2/NDF: 8.5/21

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

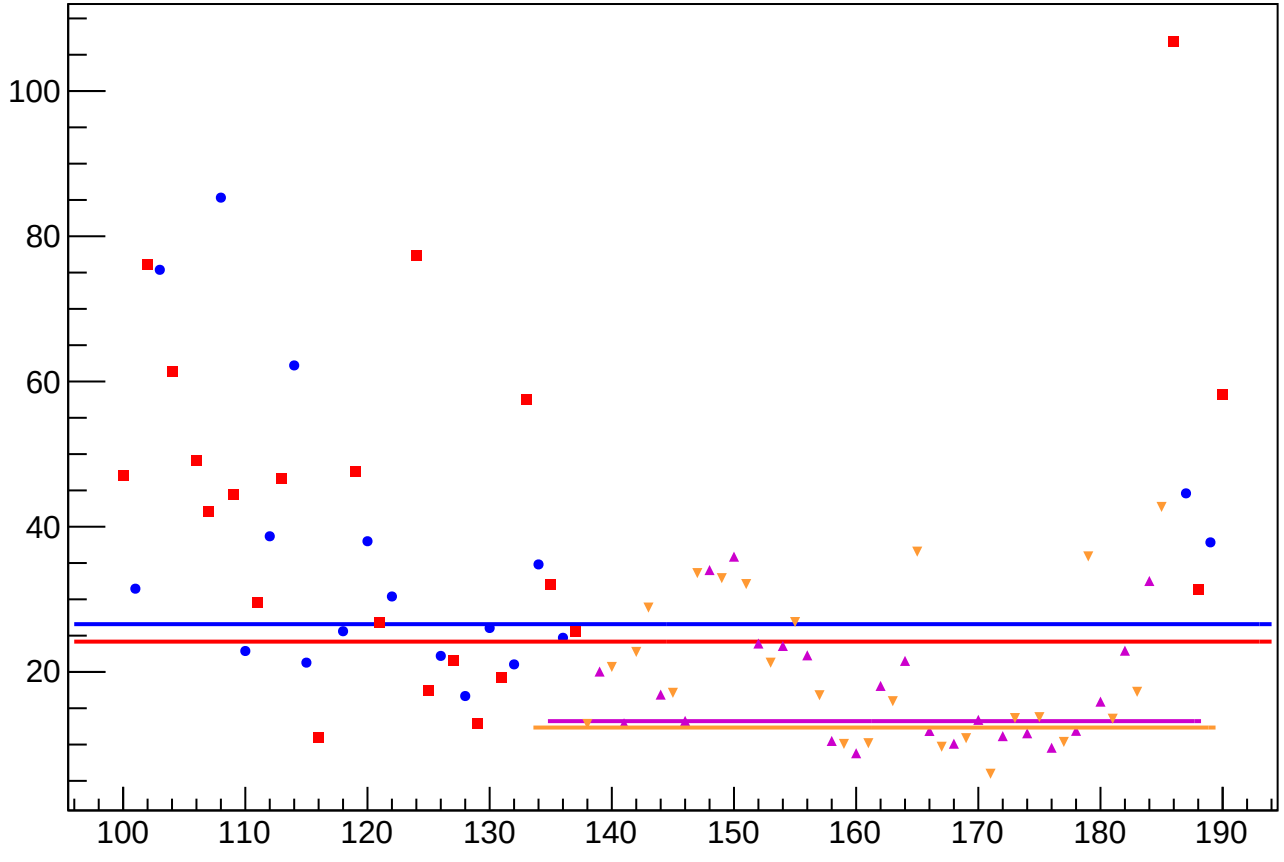
Right: -0.010+/-0.007 χ^2/NDF: 31.3/39

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:76.1/46

All: 0.001+/-0.002 χ^2/NDF: 135.5/87

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 24.175+/-0.007 χ^2/NDF: 4109185.2/21

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

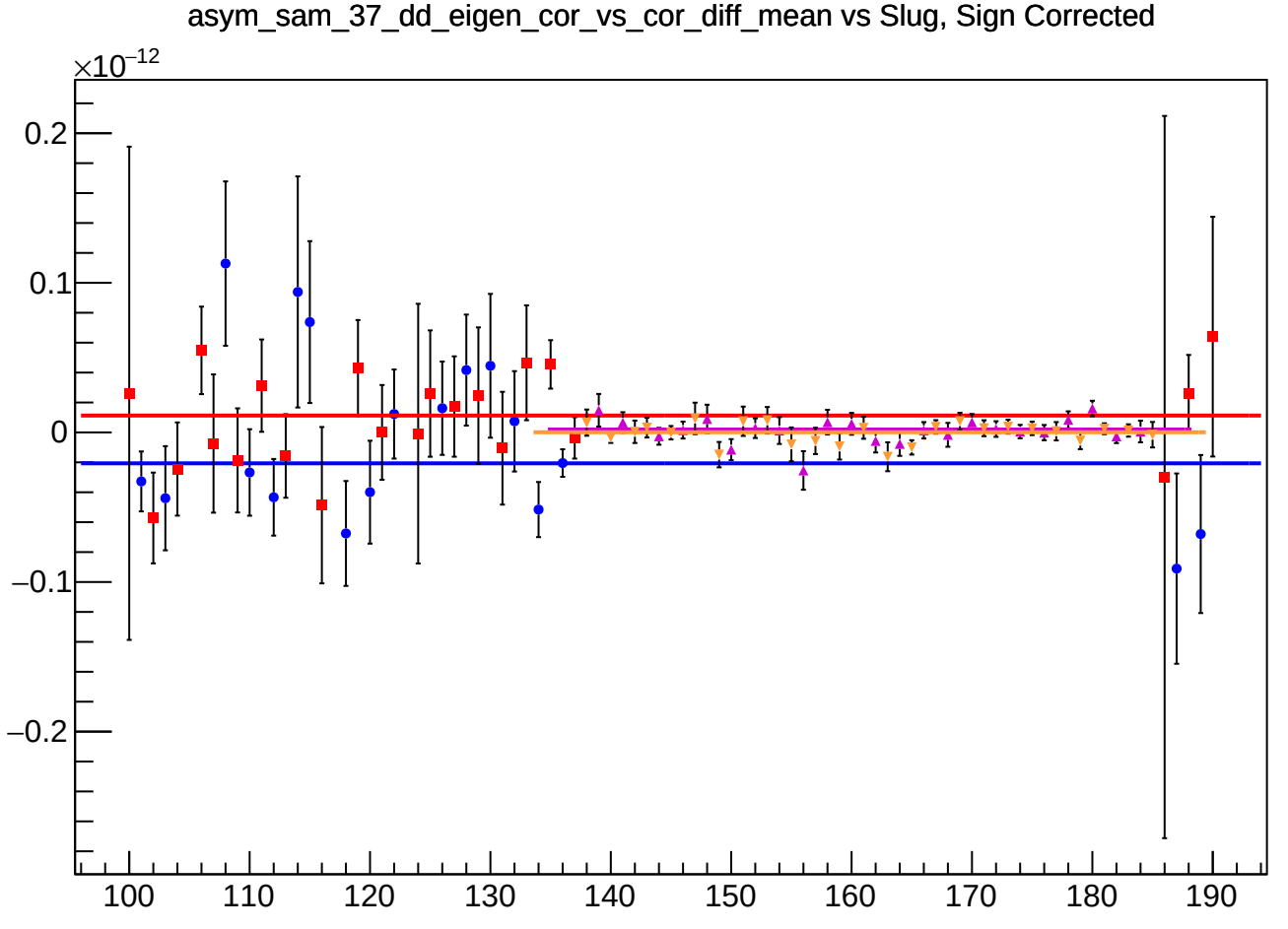
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 25.294+/-0.005 χ^2/NDF: 5687063.7/39

In: 14.575+/-0.002 χ^2/NDF:8127289.4/40

Out: 13.581+/-0.002 χ^2/NDF:13307928.6/46

All: 14.052+/-0.002 χ^2/NDF: 21522965.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/21

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

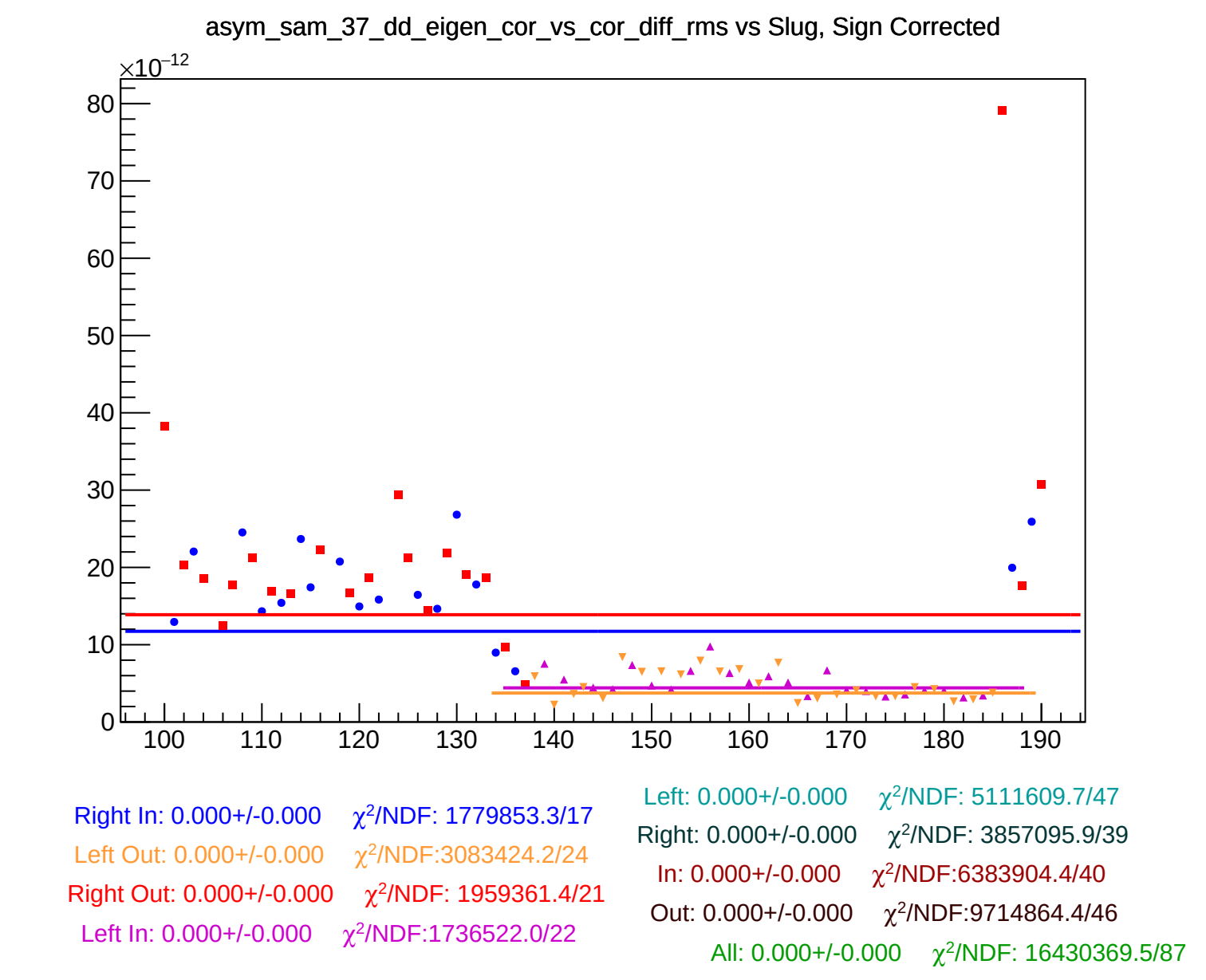
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

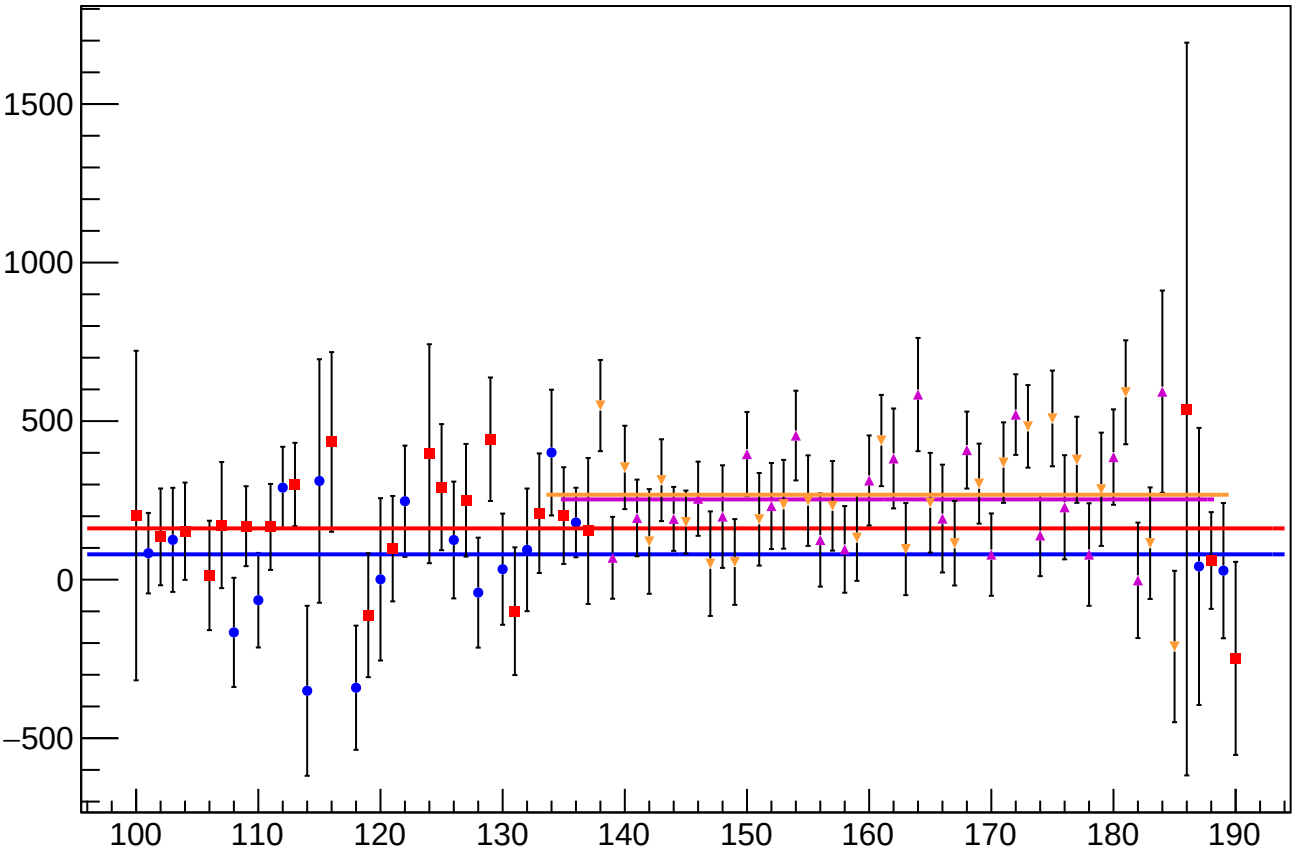
Right: -0.000+/-0.000 χ^2/NDF: 61.9/39

In: 0.000+/-0.000 χ^2/NDF:66.8/40

Out: 0.000+/-0.000 χ^2/NDF:45.5/46

All: 0.000+/-0.000 χ^2/NDF: 112.4/87


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1779853.3/17
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1959361.4/21
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
Left: 0.000+/-0.000 χ²/NDF: 5111609.7/47
Right: 0.000+/-0.000 χ²/NDF: 3857095.9/39
In: 0.000+/-0.000 χ²/NDF:6383904.4/40
Out: 0.000+/-0.000 χ²/NDF:9714864.4/46
All: 0.000+/-0.000 χ²/NDF: 16430369.5/87



Right In: 79.832+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 161.681+/-38.954 χ^2/NDF: 12.3/21

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

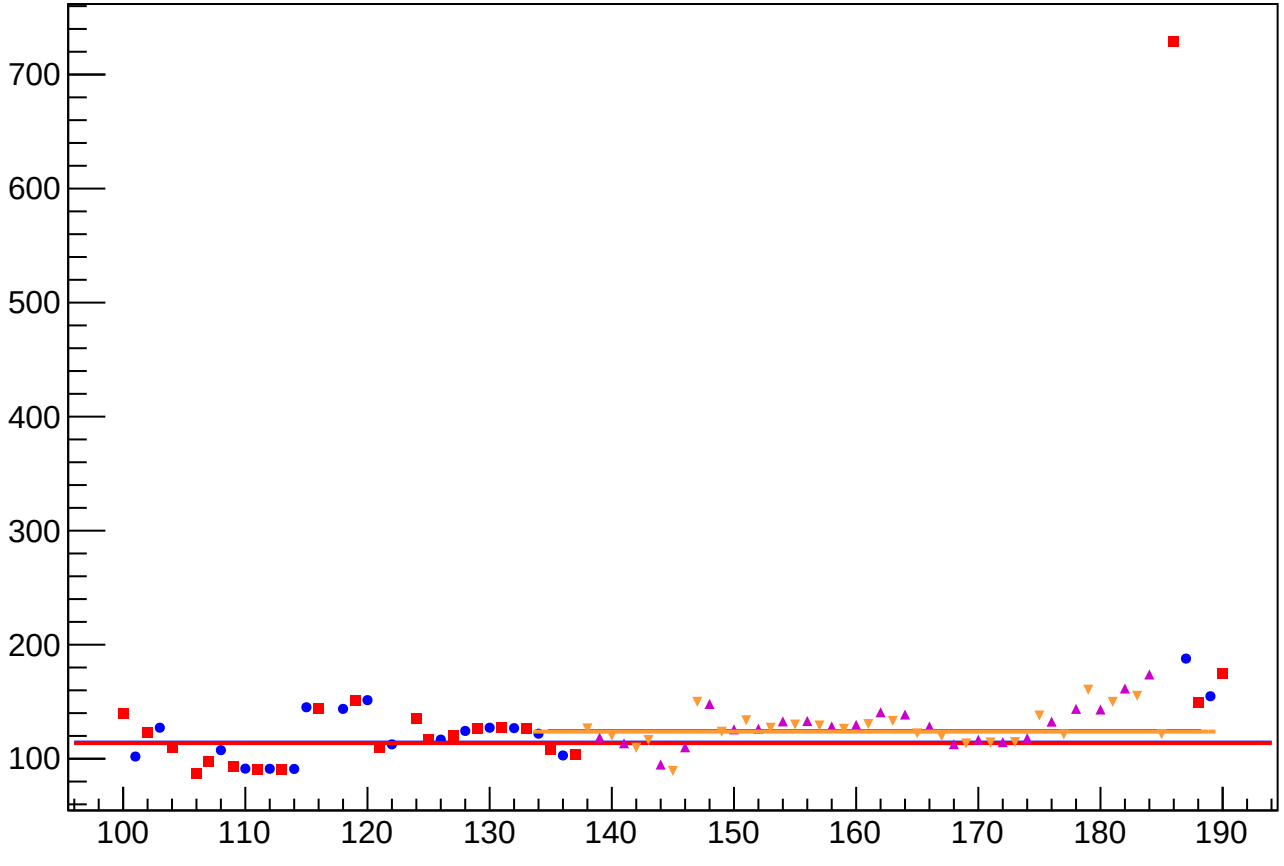
Right: 122.999+/-28.289 χ^2/NDF: 32.9/39

In: 194.740+/-23.875 χ^2/NDF:56.4/40

Out: 230.946+/-22.952 χ^2/NDF:48.2/46

All: 213.556+/-16.546 χ^2/NDF: 105.8/87

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 114.135+/-0.029 χ^2/NDF: 441431.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 113.718+/-0.028 χ^2/NDF: 1146149.5/21

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

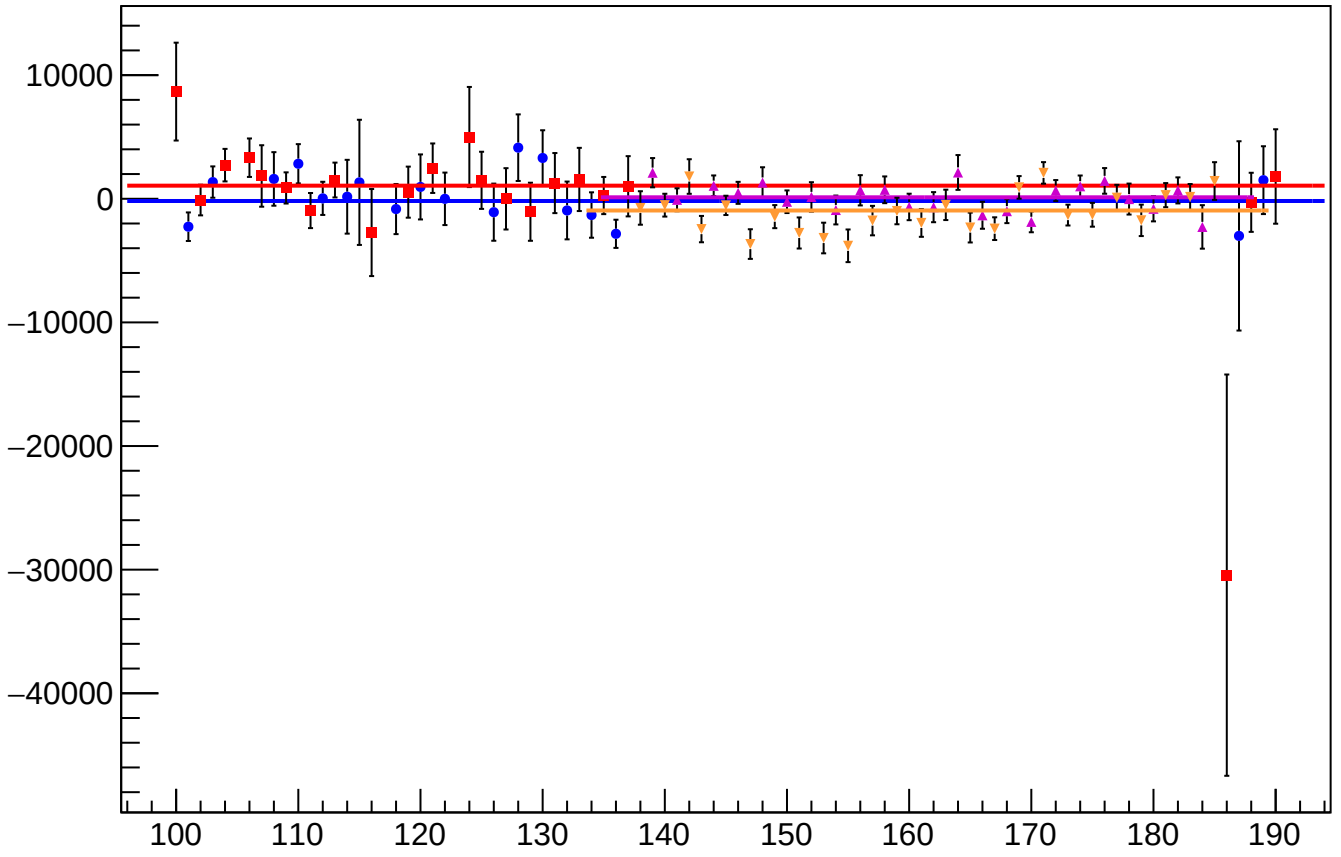
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 113.915+/-0.020 χ^2/NDF: 1587688.7/39

In: 120.851+/-0.017 χ^2/NDF:1078957.9/40

Out: 120.305+/-0.016 χ^2/NDF:1832175.2/46

All: 120.567+/-0.012 χ^2/NDF: 2911677.0/87



Right In: -179.564+/-437.544 χ^2/NDF: 21.0/17

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1060.198+/-413.973 χ^2/NDF: 18.7/21

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

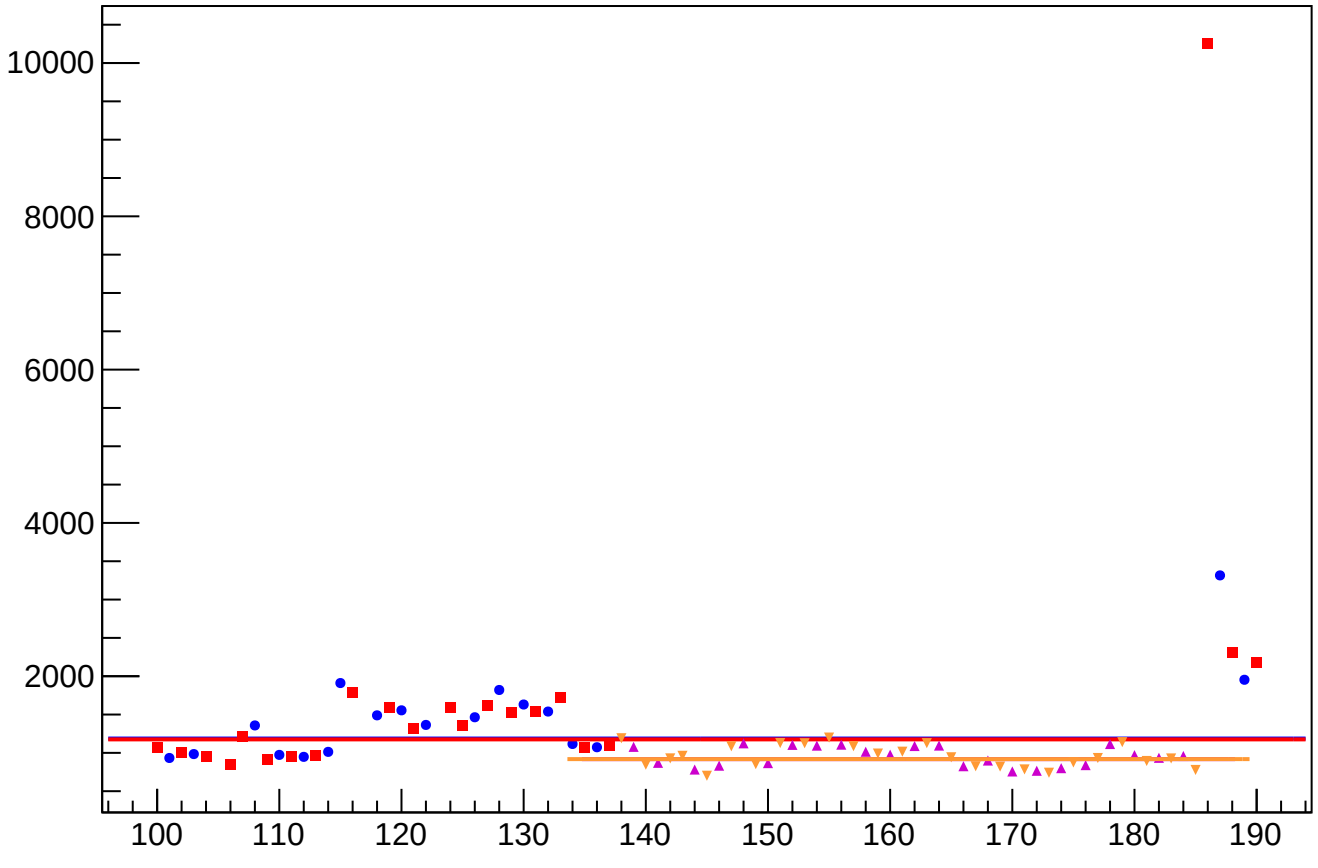
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 474.609+/-300.711 χ^2/NDF: 43.9/39

In: 59.533+/-194.524 χ^2/NDF:45.7/40

Out: -531.181+/-188.550 χ^2/NDF:87.6/46

All: -245.033+/-135.388 χ^2/NDF: 138.1/87



Right In: 1186.806+/-0.309 χ^2/NDF: 1002076.5/17

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1175.810+/-0.293 χ^2/NDF: 2030176.8/21

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

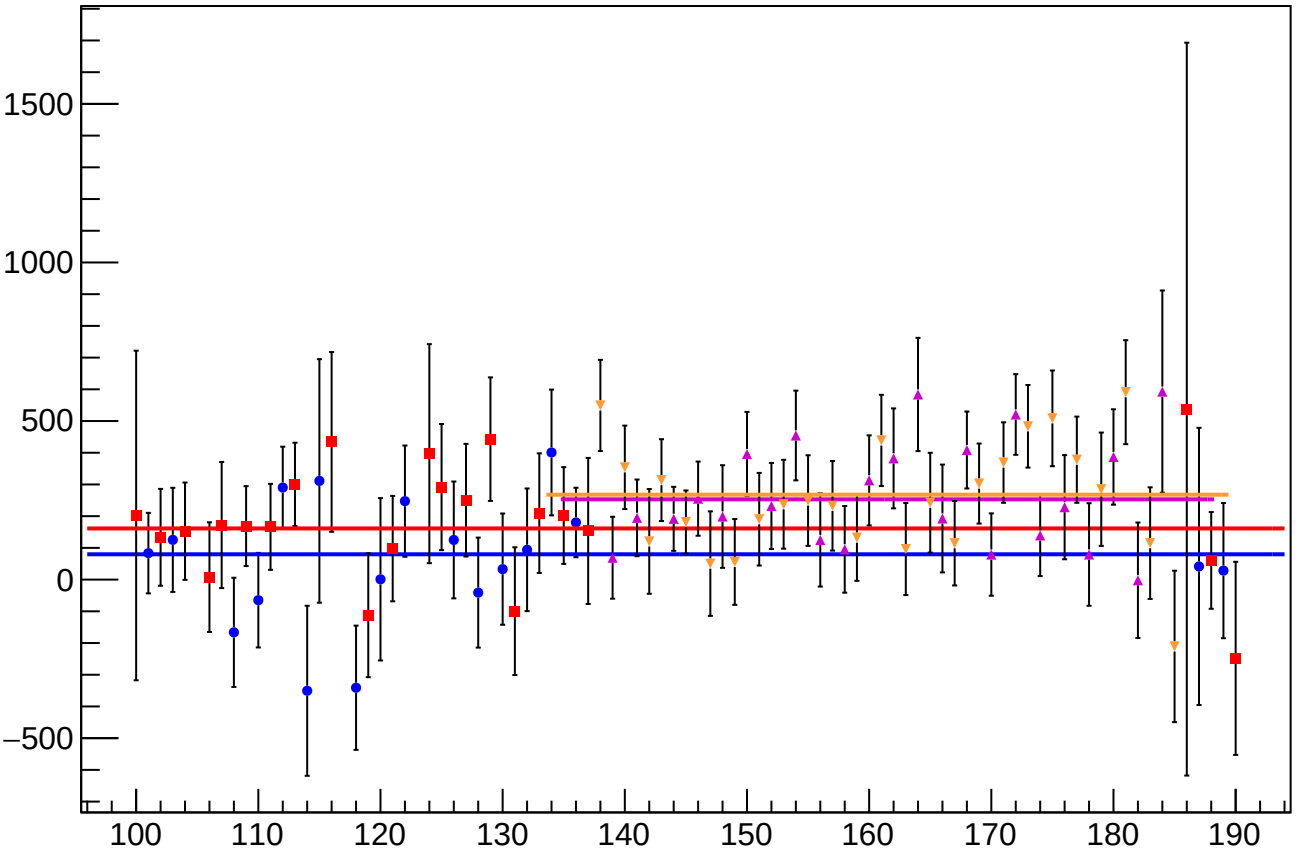
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1181.004+/-0.213 χ^2/NDF: 3032919.8/39

In: 971.302+/-0.138 χ^2/NDF:2273033.5/40

Out: 971.880+/-0.133 χ^2/NDF:3530380.8/46

All: 971.600+/-0.096 χ^2/NDF: 5803423.5/87



Right In: 79.822+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 161.315+/-38.959 χ^2/NDF: 12.4/21

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

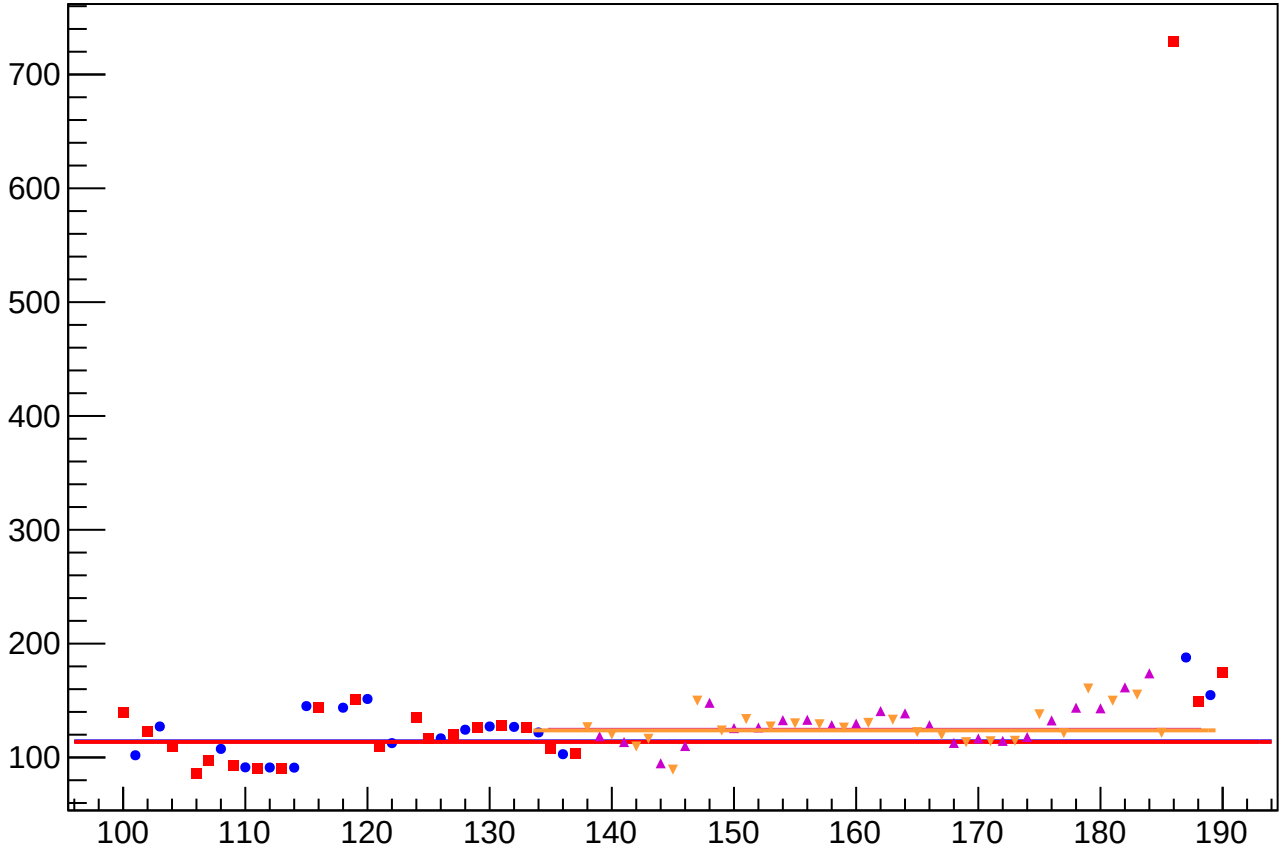
Right: 122.796+/-28.291 χ^2/NDF: 32.9/39

In: 194.739+/-23.875 χ^2/NDF:56.4/40

Out: 230.831+/-22.953 χ^2/NDF:48.3/46

All: 213.495+/-16.547 χ^2/NDF: 105.8/87

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 114.135+/-0.029 χ^2/NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 113.668+/-0.028 χ^2/NDF: 1150229.3/21

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

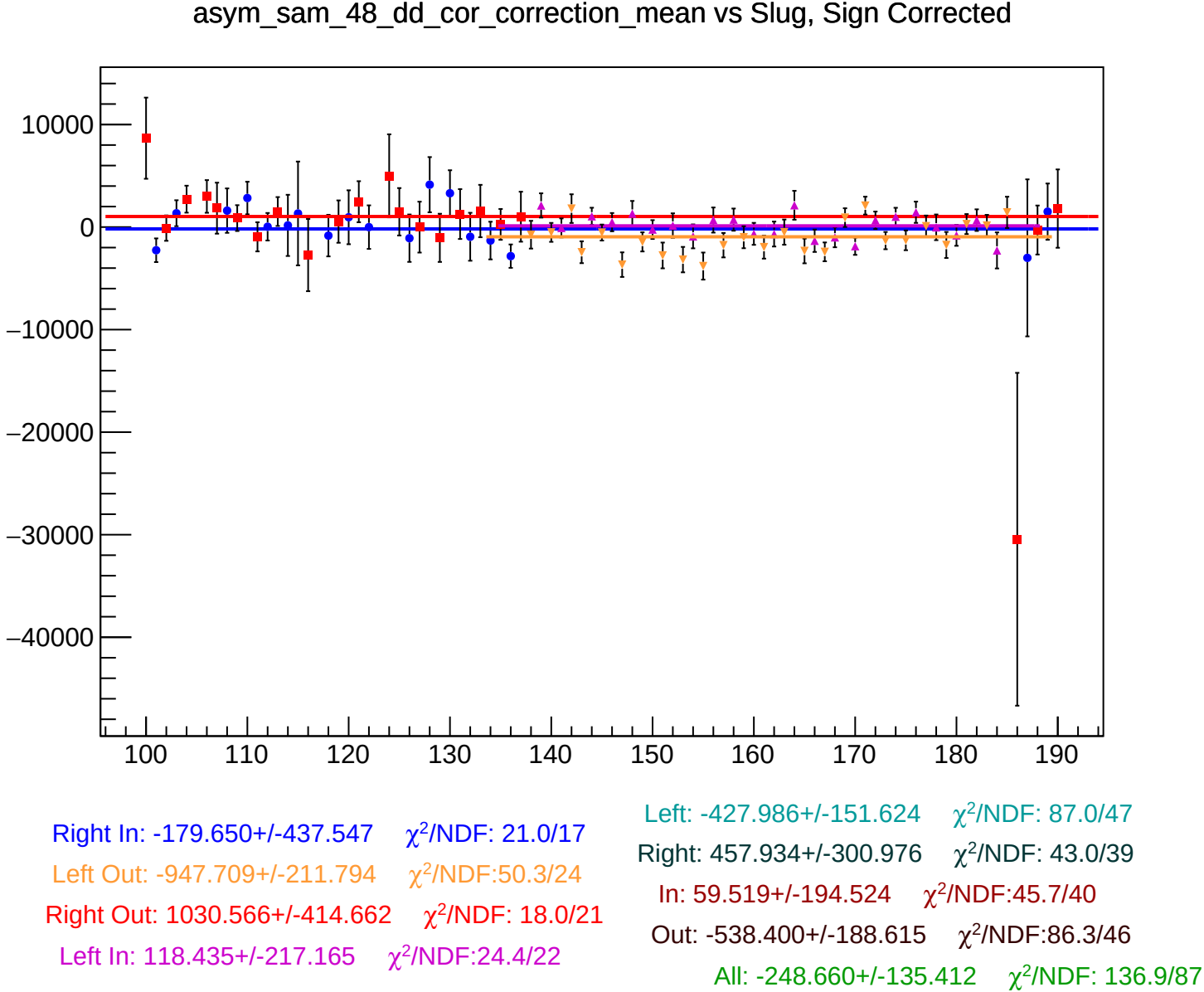
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

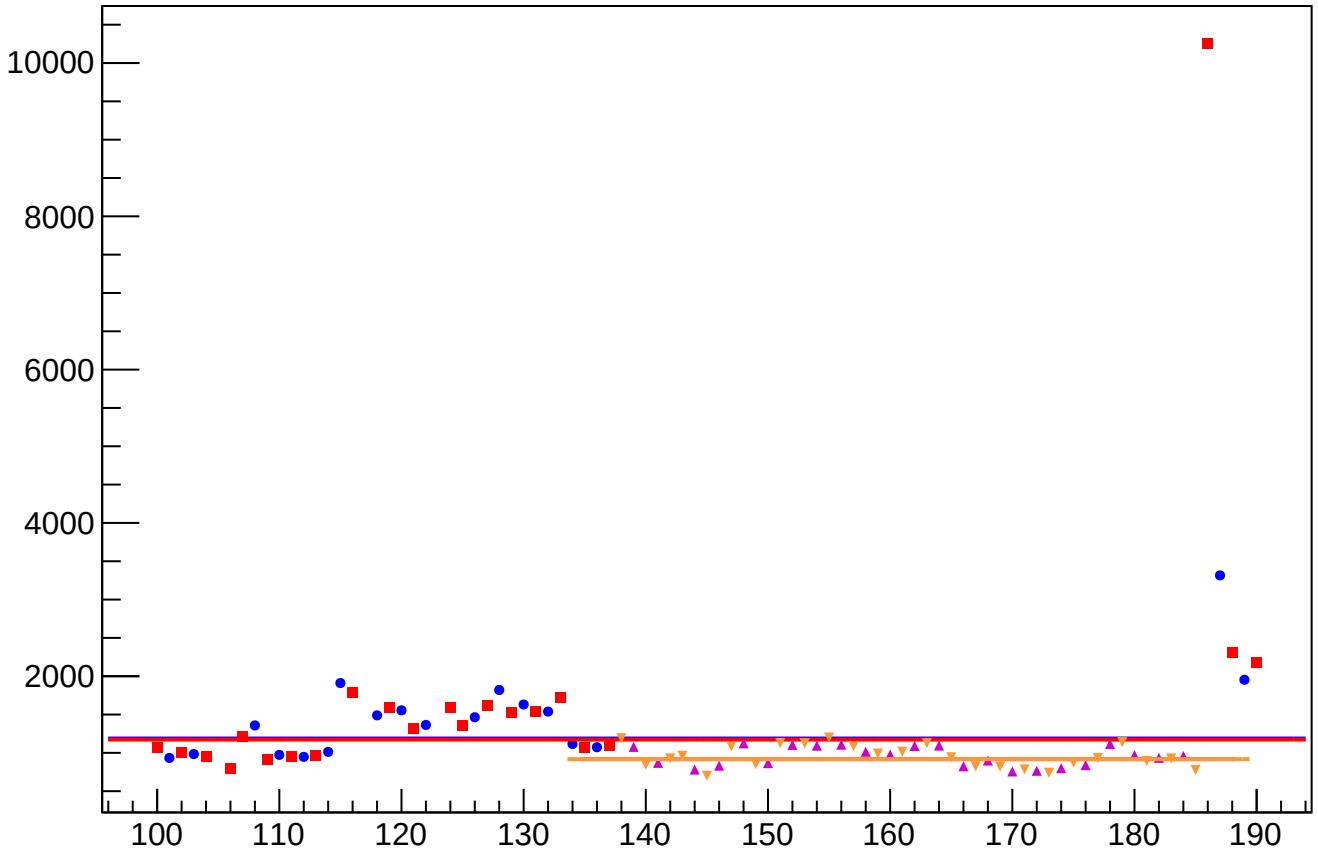
Right: 113.889+/-0.020 χ^2/NDF: 1591797.2/39

In: 120.851+/-0.017 χ^2/NDF:1078958.5/40

Out: 120.288+/-0.016 χ^2/NDF:1837117.8/46

All: 120.558+/-0.012 χ^2/NDF: 2916654.3/87


asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -179.650+/-437.547 χ²/NDF: 21.0/17
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1030.566+/-414.662 χ²/NDF: 18.0/21
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 457.934+/-300.976 χ²/NDF: 43.0/39
In: 59.519+/-194.524 χ²/NDF:45.7/40
Out: -538.400+/-188.615 χ²/NDF:86.3/46
All: -248.660+/-135.412 χ²/NDF: 136.9/87



Right In: 1186.816+/-0.309 χ^2/NDF: 1002040.1/17

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1173.505+/-0.293 χ^2/NDF: 2054083.9/21

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

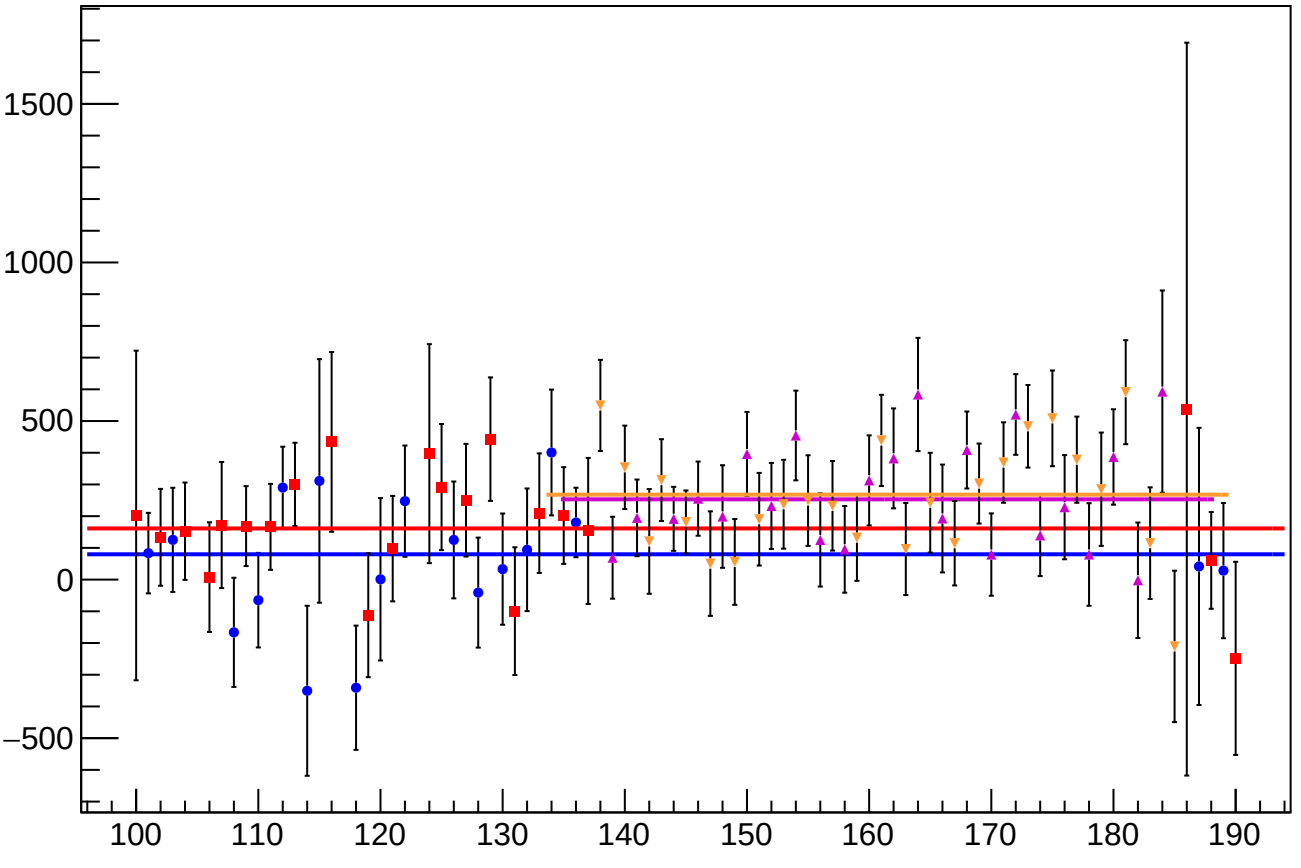
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1179.803+/-0.213 χ^2/NDF: 3057099.2/39

In: 971.303+/-0.138 χ^2/NDF:2273034.7/40

Out: 971.262+/-0.133 χ^2/NDF:3541777.9/46

All: 971.282+/-0.096 χ^2/NDF: 5814812.6/87



Right In: 79.822+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 161.315+/-38.959 χ^2/NDF: 12.4/21

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

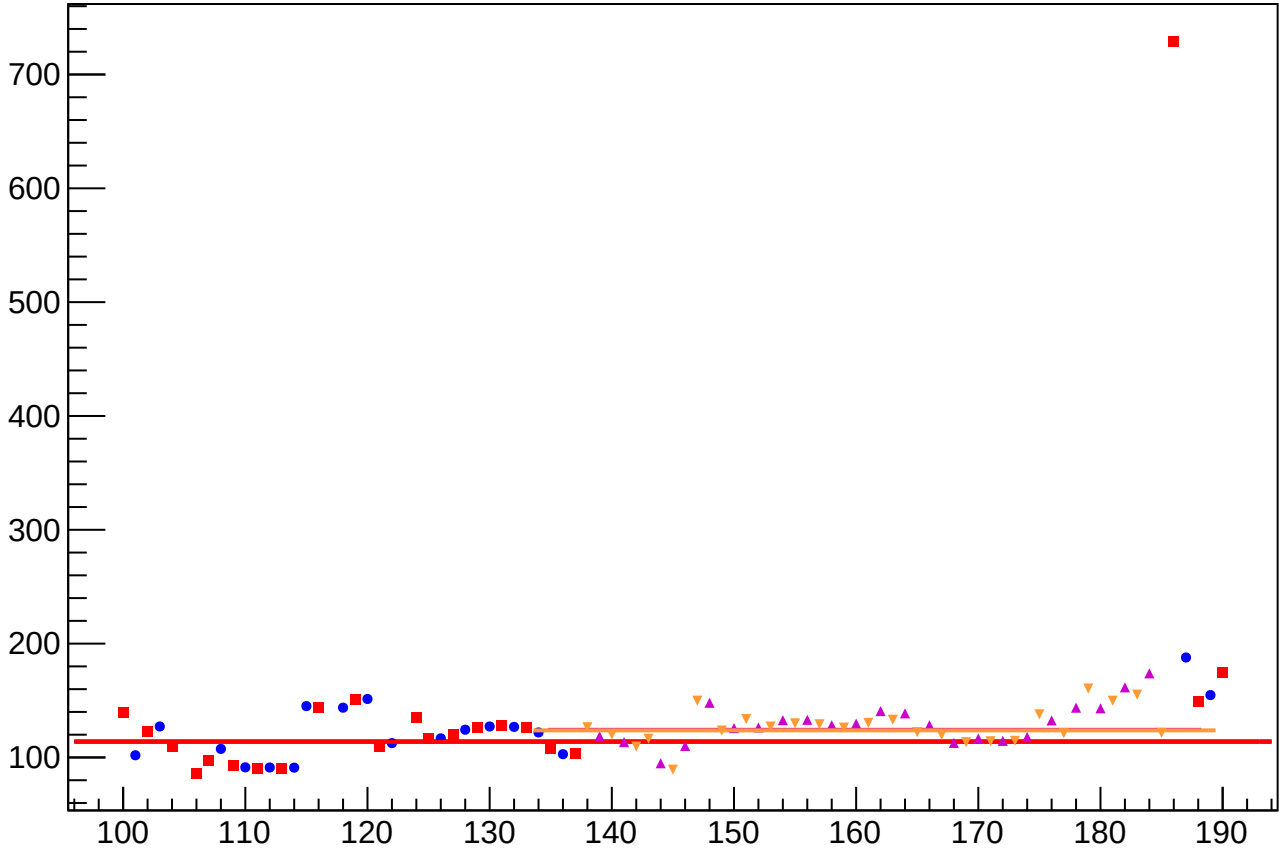
Right: 122.796+/-28.291 χ^2/NDF: 32.9/39

In: 194.739+/-23.875 χ^2/NDF:56.4/40

Out: 230.831+/-22.953 χ^2/NDF:48.3/46

All: 213.495+/-16.547 χ^2/NDF: 105.8/87

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 114.135+/-0.029 χ^2/NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 113.668+/-0.028 χ^2/NDF: 1150229.3/21

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

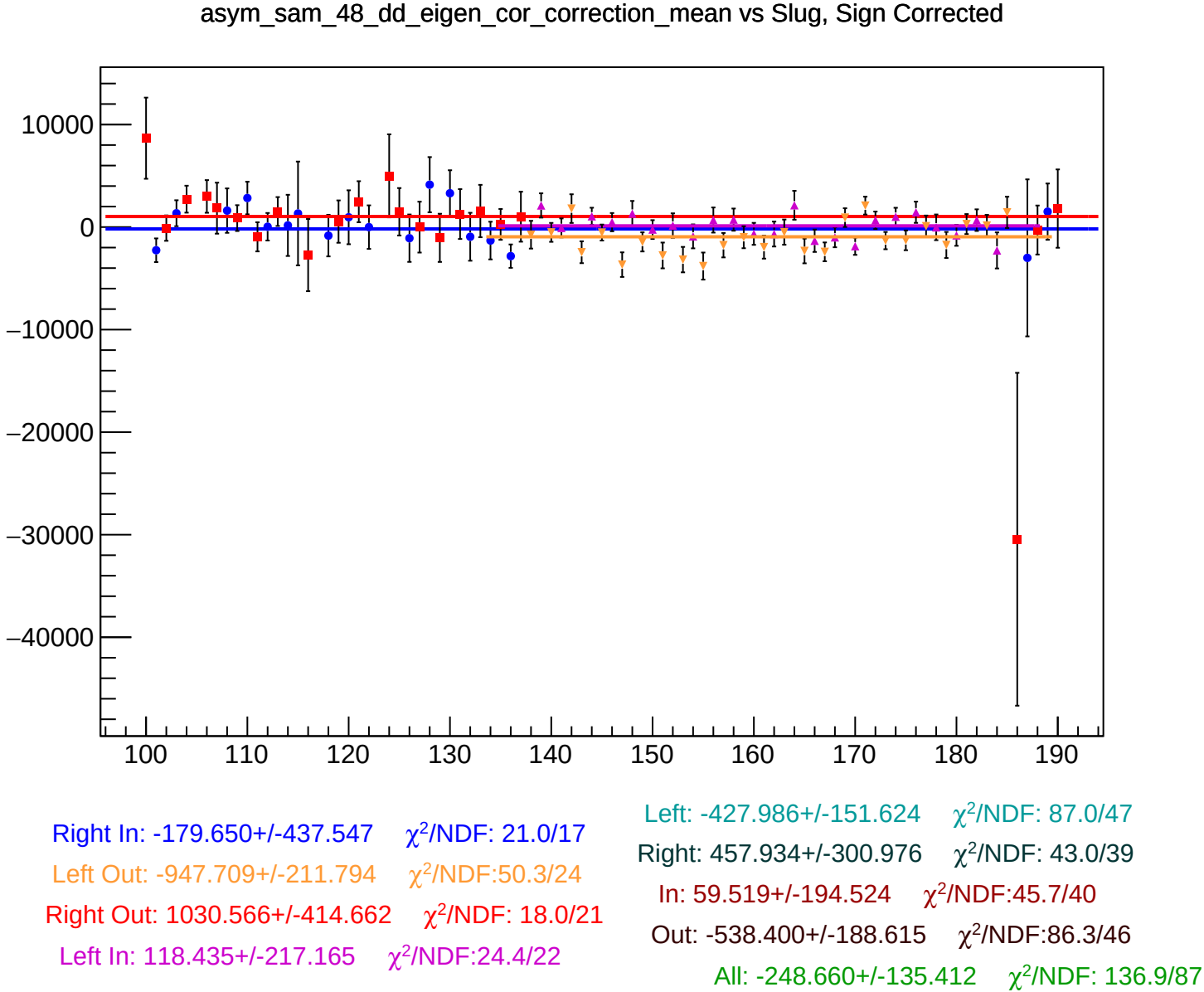
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 113.889+/-0.020 χ^2/NDF: 1591797.2/39

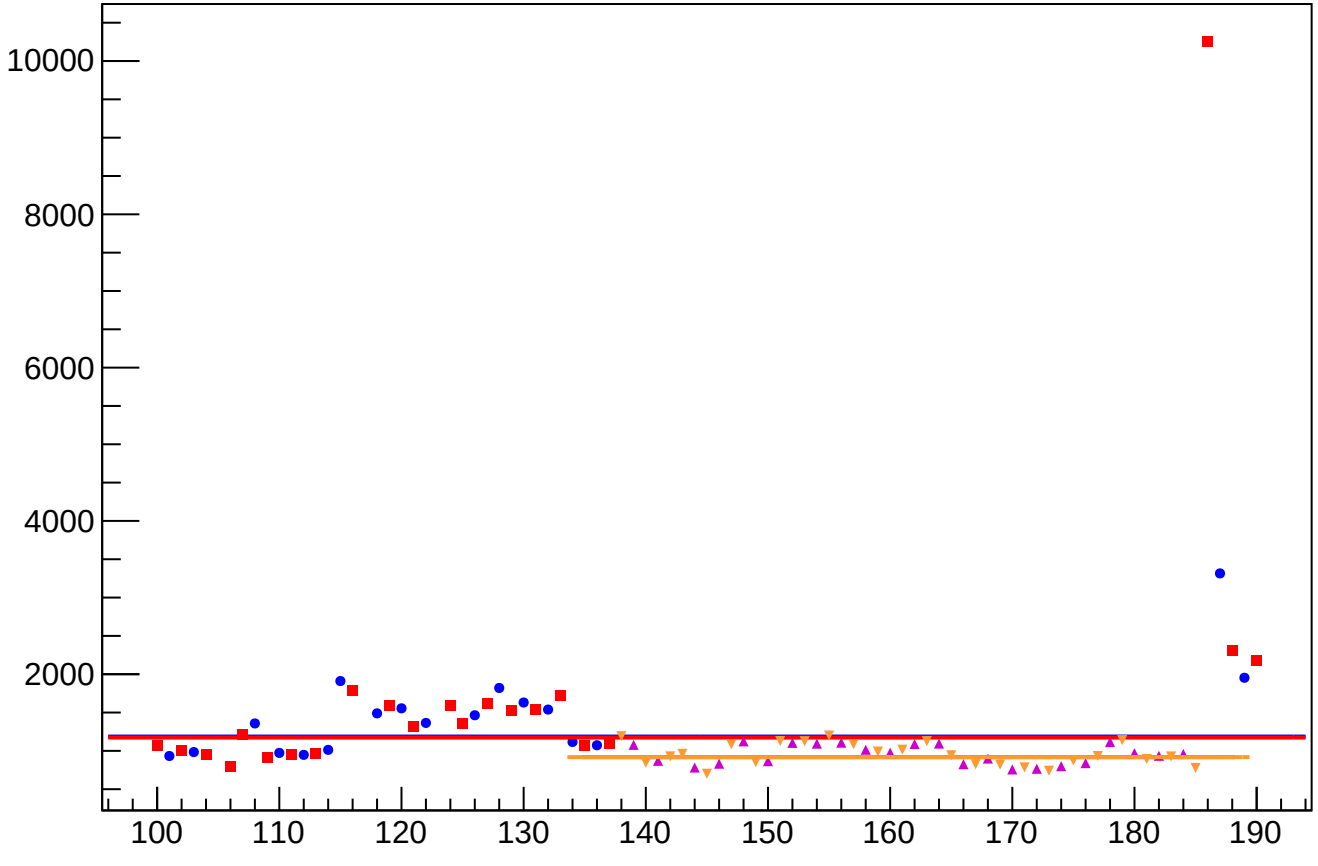
In: 120.851+/-0.017 χ^2/NDF:1078958.5/40

Out: 120.288+/-0.016 χ^2/NDF:1837117.8/46

All: 120.558+/-0.012 χ^2/NDF: 2916654.3/87


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -179.650+/-437.547 χ²/NDF: 21.0/17
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1030.566+/-414.662 χ²/NDF: 18.0/21
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 457.934+/-300.976 χ²/NDF: 43.0/39
In: 59.519+/-194.524 χ²/NDF:45.7/40
Out: -538.400+/-188.615 χ²/NDF:86.3/46
All: -248.660+/-135.412 χ²/NDF: 136.9/87

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1186.816+/-0.309 χ^2/NDF: 1002040.1/17

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1173.505+/-0.293 χ^2/NDF: 2054083.9/21

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

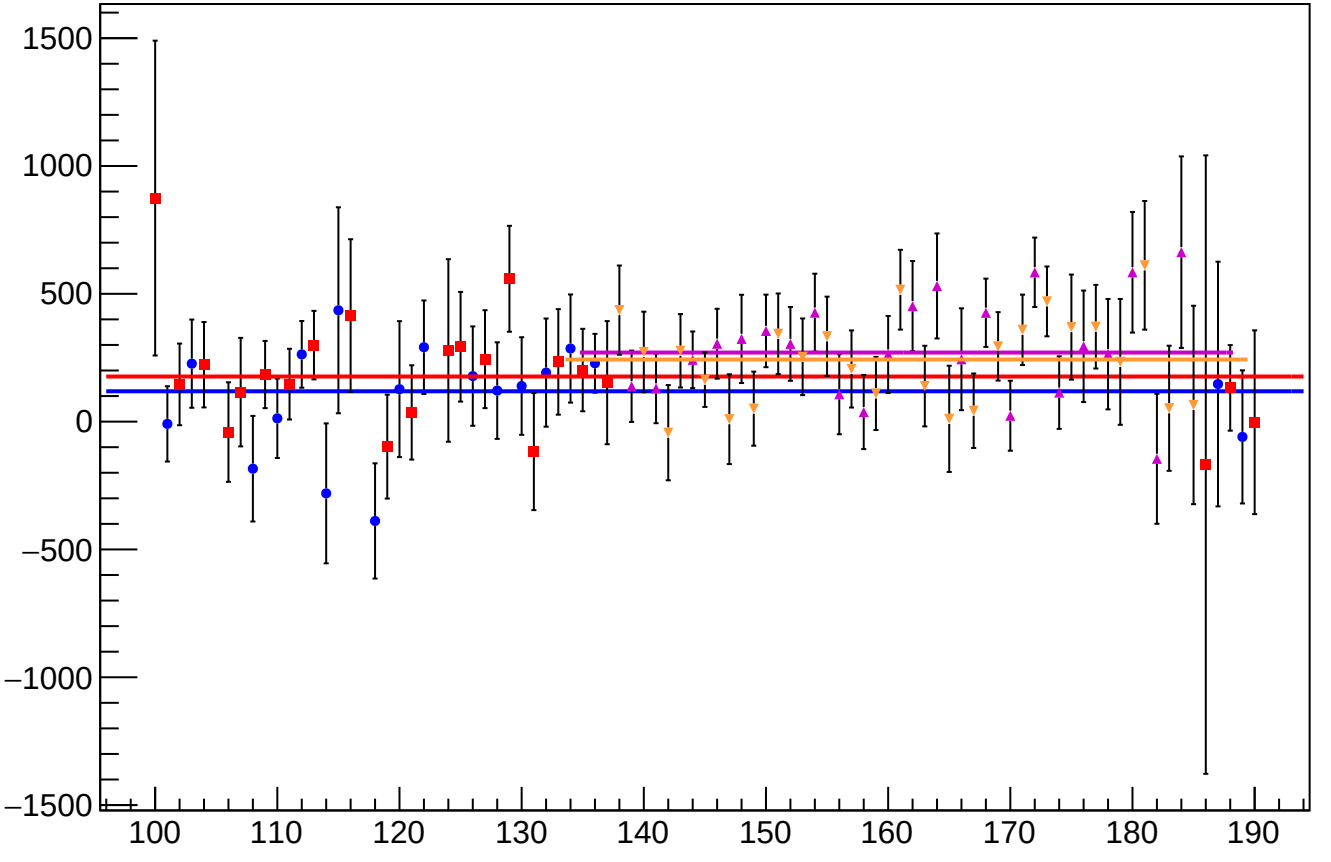
Right: 1179.803+/-0.213 χ^2/NDF: 3057099.2/39

In: 971.303+/-0.138 χ^2/NDF:2273034.7/40

Out: 971.262+/-0.133 χ^2/NDF:3541777.9/46

All: 971.282+/-0.096 χ^2/NDF: 5814812.6/87

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 118.757+/-44.378 χ^2/NDF: 15.9/17

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 176.476+/-41.546 χ^2/NDF: 12.7/21

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

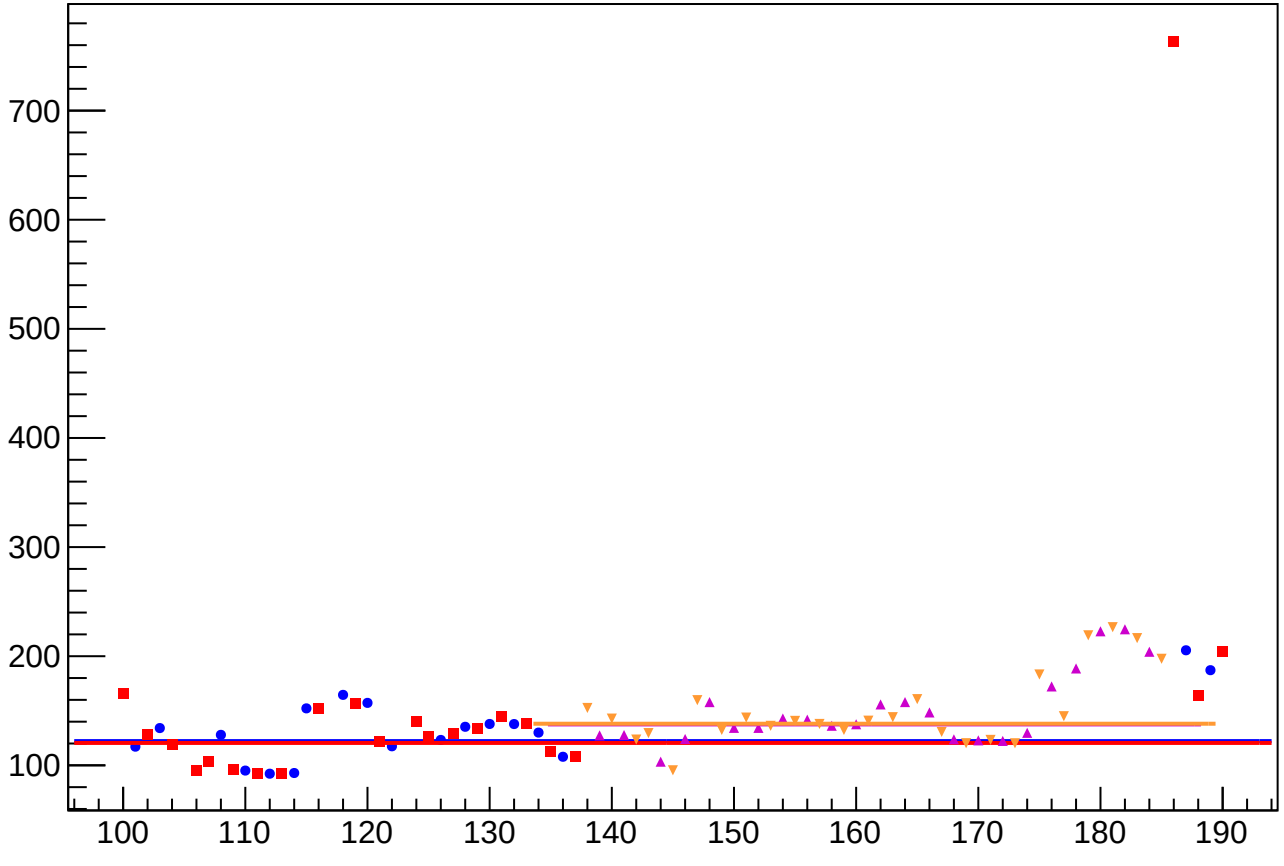
Right: 149.517+/-30.329 χ^2/NDF: 29.5/39

In: 216.530+/-26.426 χ^2/NDF:50.1/40

Out: 218.026+/-25.420 χ^2/NDF:38.0/46

All: 217.307+/-18.320 χ^2/NDF: 88.1/87

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.200+/-0.031 χ^2/NDF: 572527.3/17

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 120.529+/-0.029 χ^2/NDF: 1258816.7/21

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

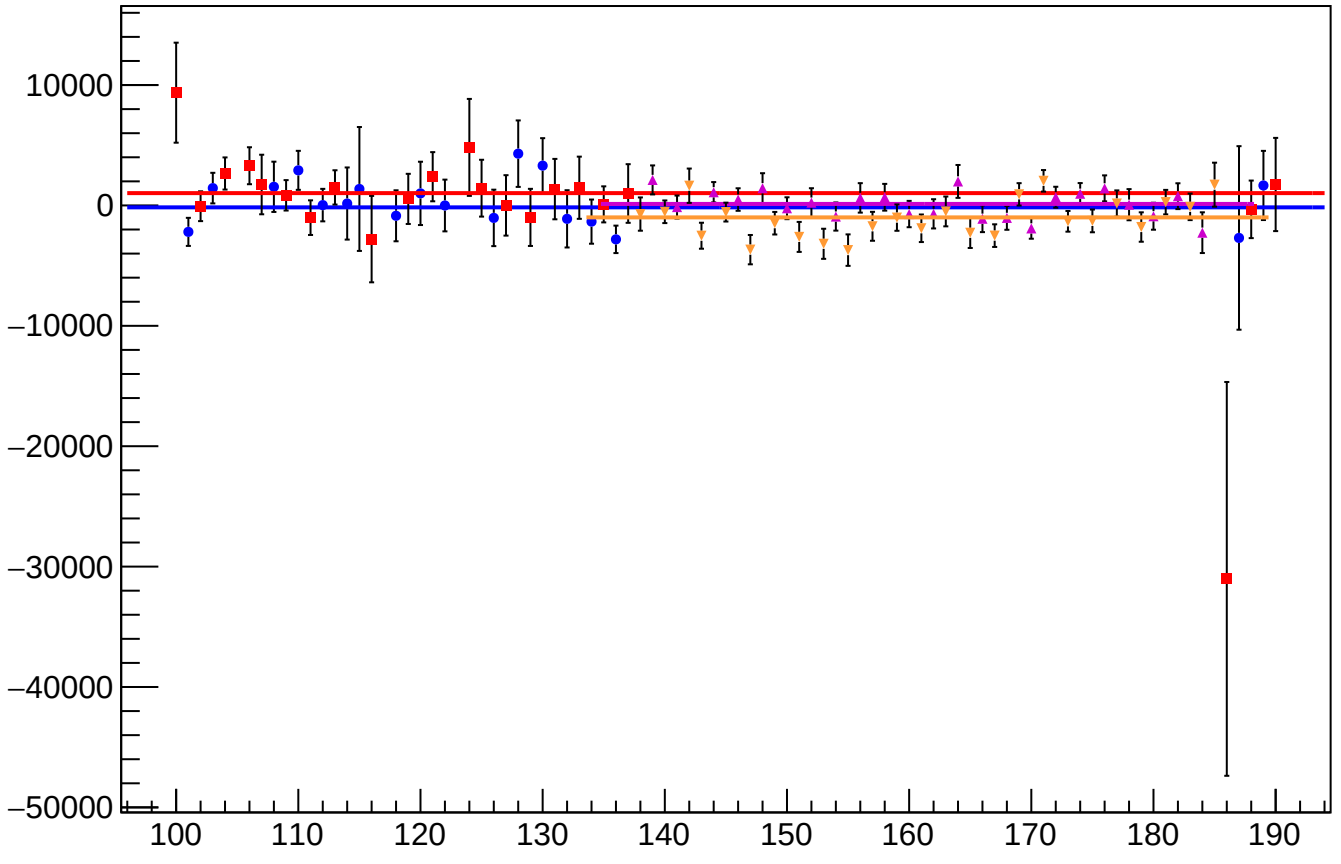
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 121.310+/-0.021 χ^2/NDF: 1832854.9/39

In: 132.069+/-0.019 χ^2/NDF:1835112.0/40

Out: 131.539+/-0.018 χ^2/NDF:2821622.5/46

All: 131.794+/-0.013 χ^2/NDF: 4657152.9/87



Right In: -159.731+/-441.267 χ^2/NDF: 20.9/17

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1023.520+/-416.770 χ^2/NDF: 18.8/21

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

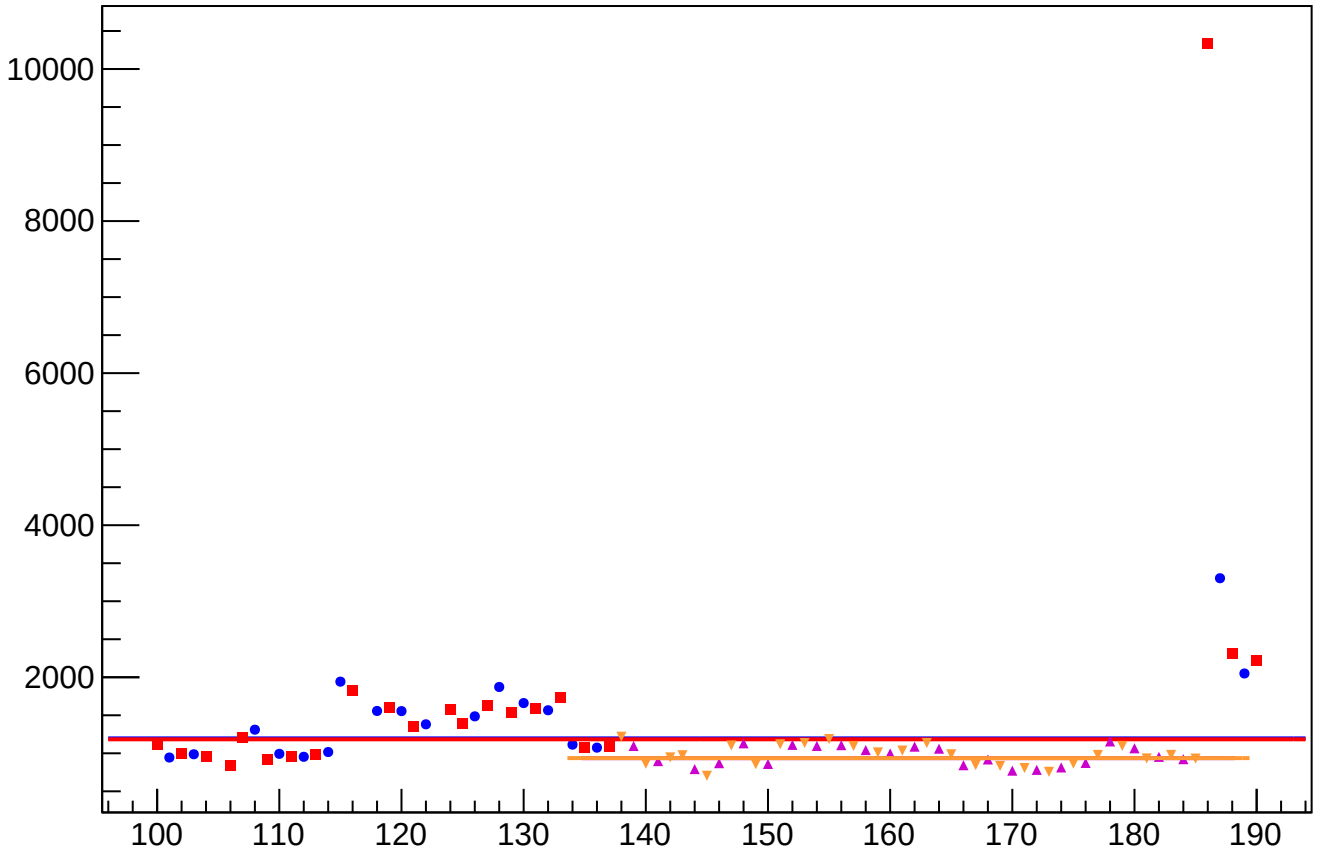
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 465.648+/-302.991 χ^2/NDF: 43.5/39

In: 67.637+/-197.865 χ^2/NDF:45.1/40

Out: -567.308+/-191.531 χ^2/NDF:84.2/46

All: -260.161+/-137.617 χ^2/NDF: 134.6/87



Right In: 1196.016+/-0.312 χ^2/NDF: 1046557.8/17

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1183.947+/-0.295 χ^2/NDF: 2056302.0/21

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

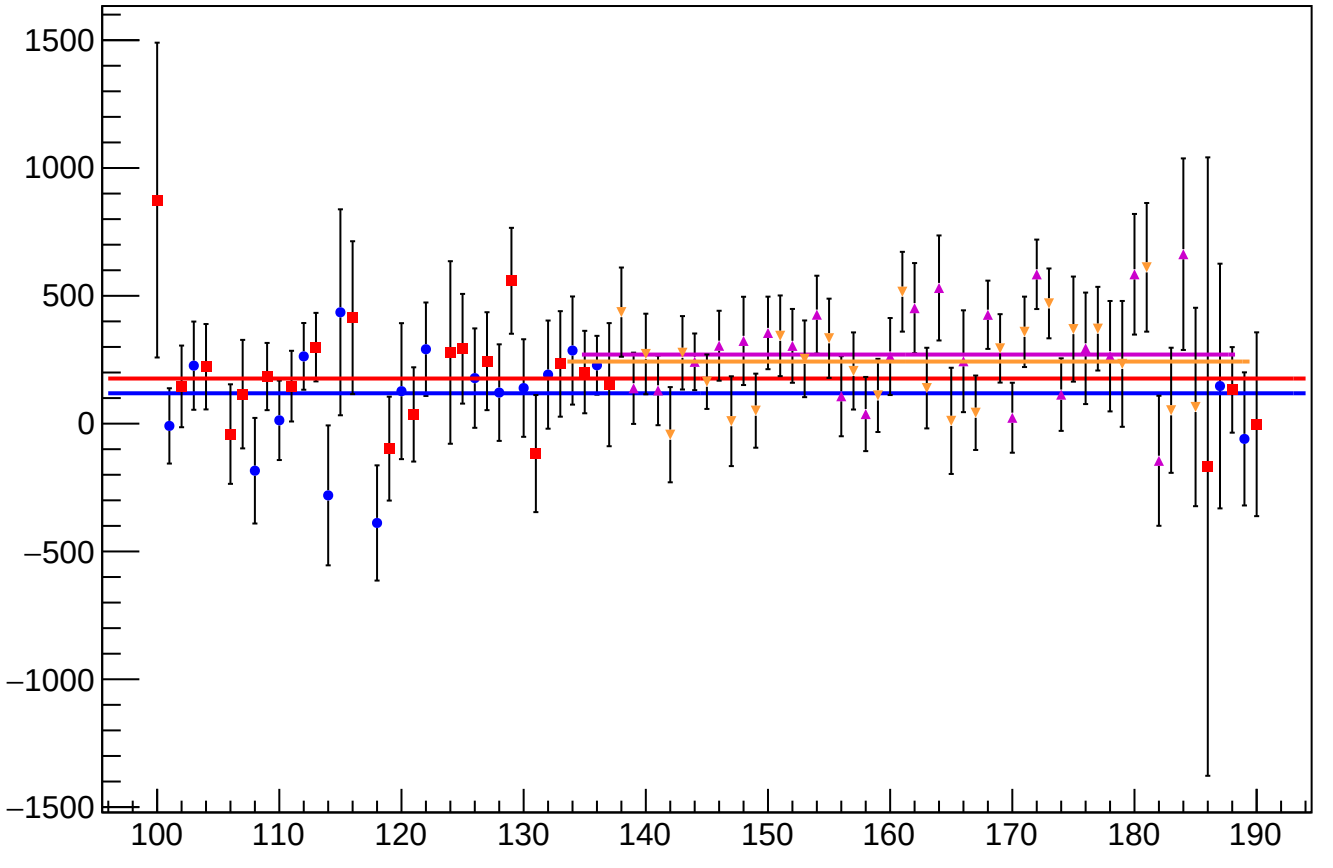
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1189.637+/-0.214 χ^2/NDF: 3103650.4/39

In: 988.584+/-0.140 χ^2/NDF:2242487.3/40

Out: 988.952+/-0.135 χ^2/NDF:3443782.2/46

All: 988.774+/-0.097 χ^2/NDF: 5686273.0/87



Right In: 118.760+/-44.378 χ^2/NDF: 15.9/17

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 176.477+/-41.546 χ^2/NDF: 12.7/21

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

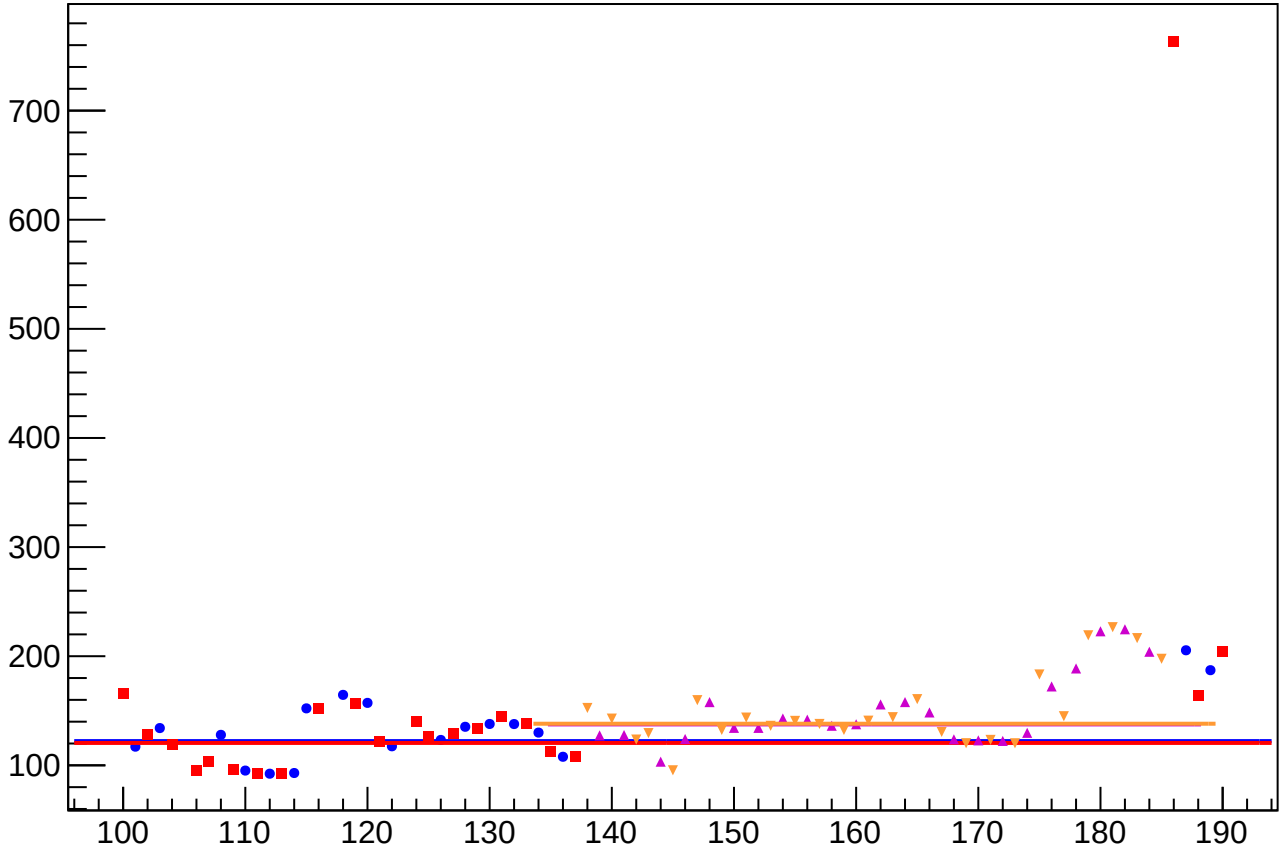
Right: 149.519+/-30.329 χ^2/NDF: 29.5/39

In: 216.531+/-26.426 χ^2/NDF:50.1/40

Out: 218.028+/-25.420 χ^2/NDF:38.0/46

All: 217.308+/-18.320 χ^2/NDF: 88.1/87

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.200+/-0.031 χ^2/NDF: 572526.2/17

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 120.529+/-0.029 χ^2/NDF: 1258824.0/21

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

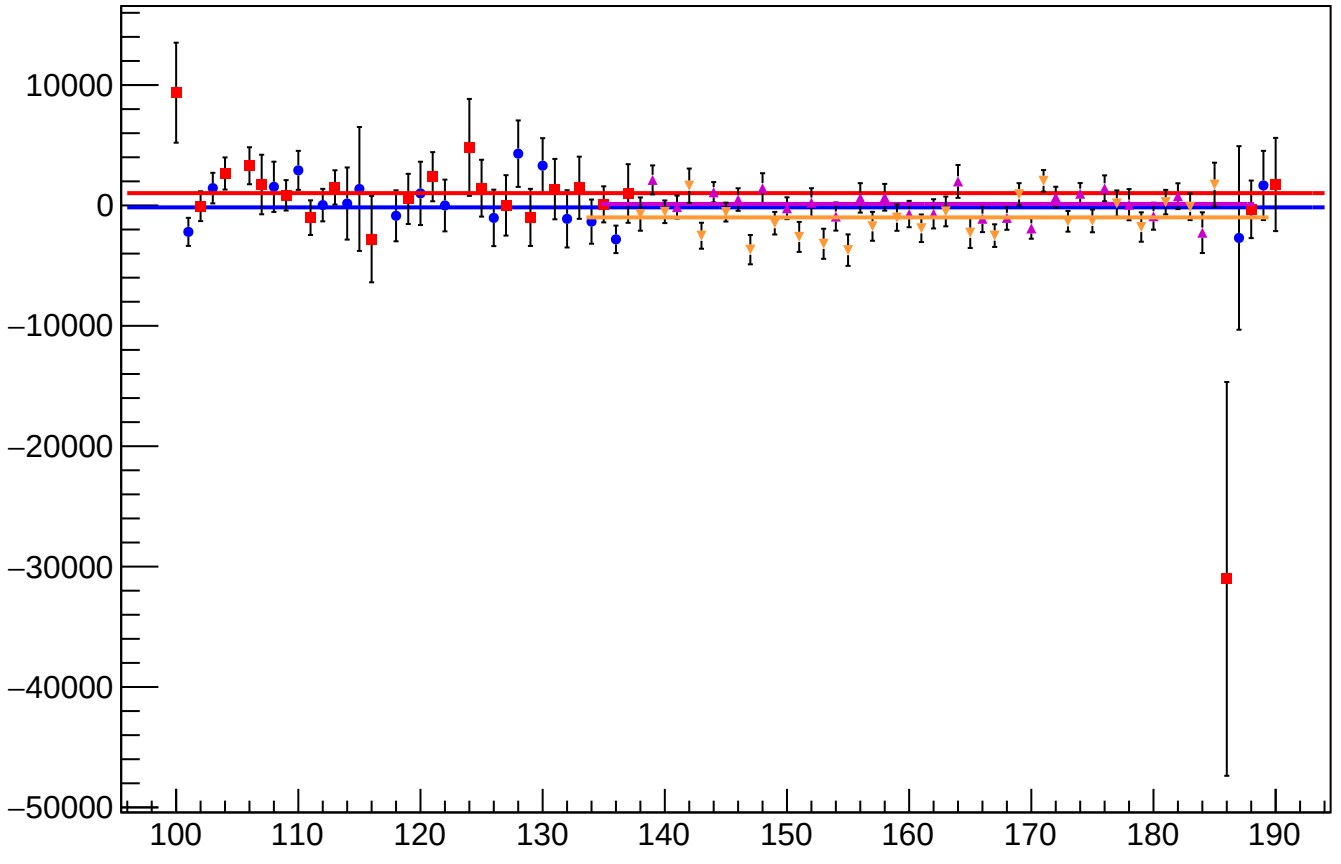
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 121.310+/-0.021 χ^2/NDF: 1832861.1/39

In: 132.069+/-0.019 χ^2/NDF:1835096.9/40

Out: 131.539+/-0.018 χ^2/NDF:2821633.5/46

All: 131.794+/-0.013 χ^2/NDF: 4657148.8/87



Right In: -159.730+/-441.267 χ^2/NDF: 20.9/17

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1023.520+/-416.770 χ^2/NDF: 18.8/21

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

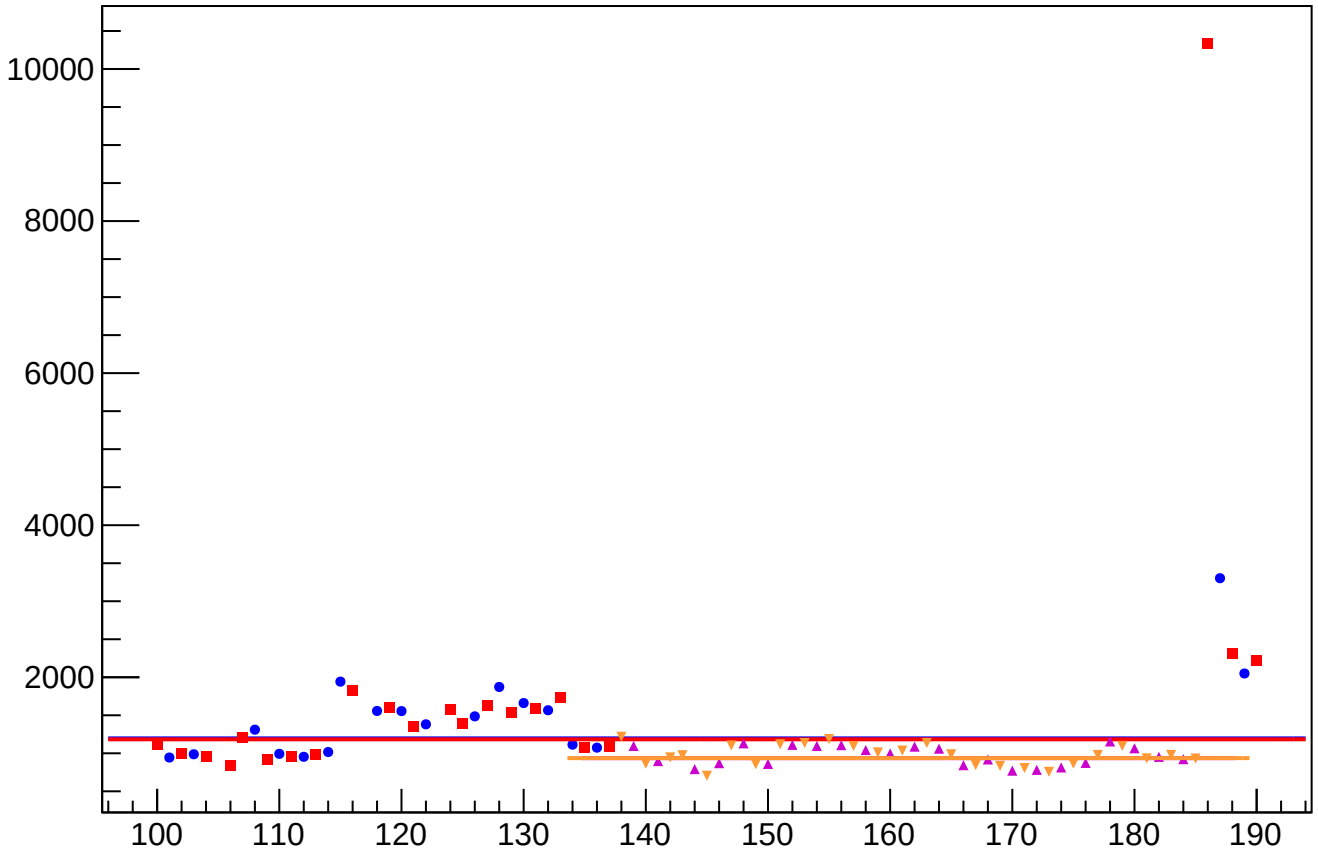
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 465.648+/-302.991 χ^2/NDF: 43.5/39

In: 67.636+/-197.864 χ^2/NDF:45.1/40

Out: -567.307+/-191.531 χ^2/NDF:84.2/46

All: -260.161+/-137.617 χ^2/NDF: 134.6/87



Right In: 1196.015+/-0.312 χ^2/NDF: 1046558.6/17

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1183.947+/-0.295 χ^2/NDF: 2056300.7/21

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

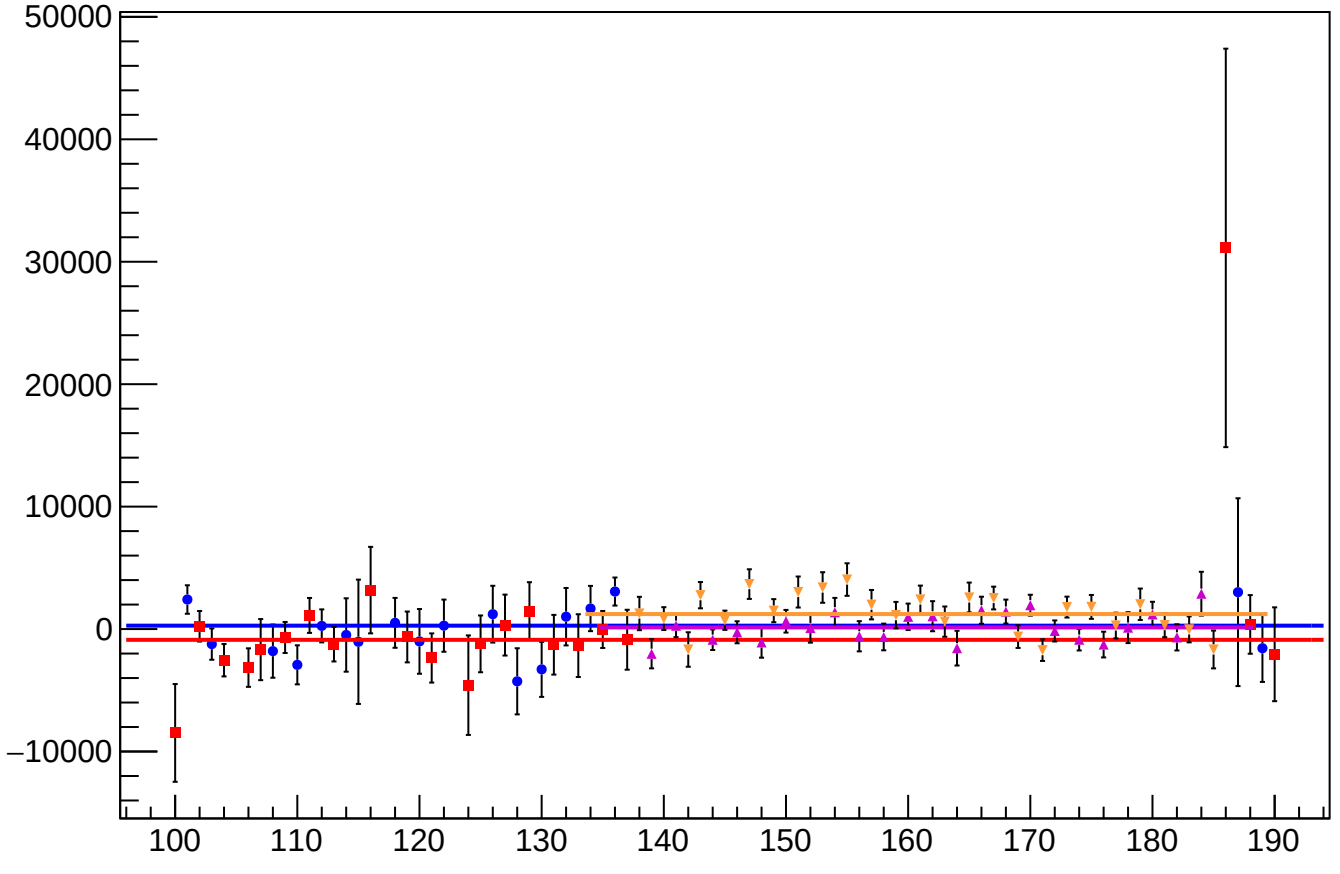
Right: 1189.637+/-0.214 χ^2/NDF: 3103650.0/39

In: 988.583+/-0.140 χ^2/NDF:2242490.5/40

Out: 988.951+/-0.135 χ^2/NDF:3443787.9/46

All: 988.773+/-0.097 χ^2/NDF: 5686281.9/87

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 278.166+/-439.861 χ^2/NDF: 22.8/17

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -878.996+/-416.235 χ^2/NDF: 18.8/21

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

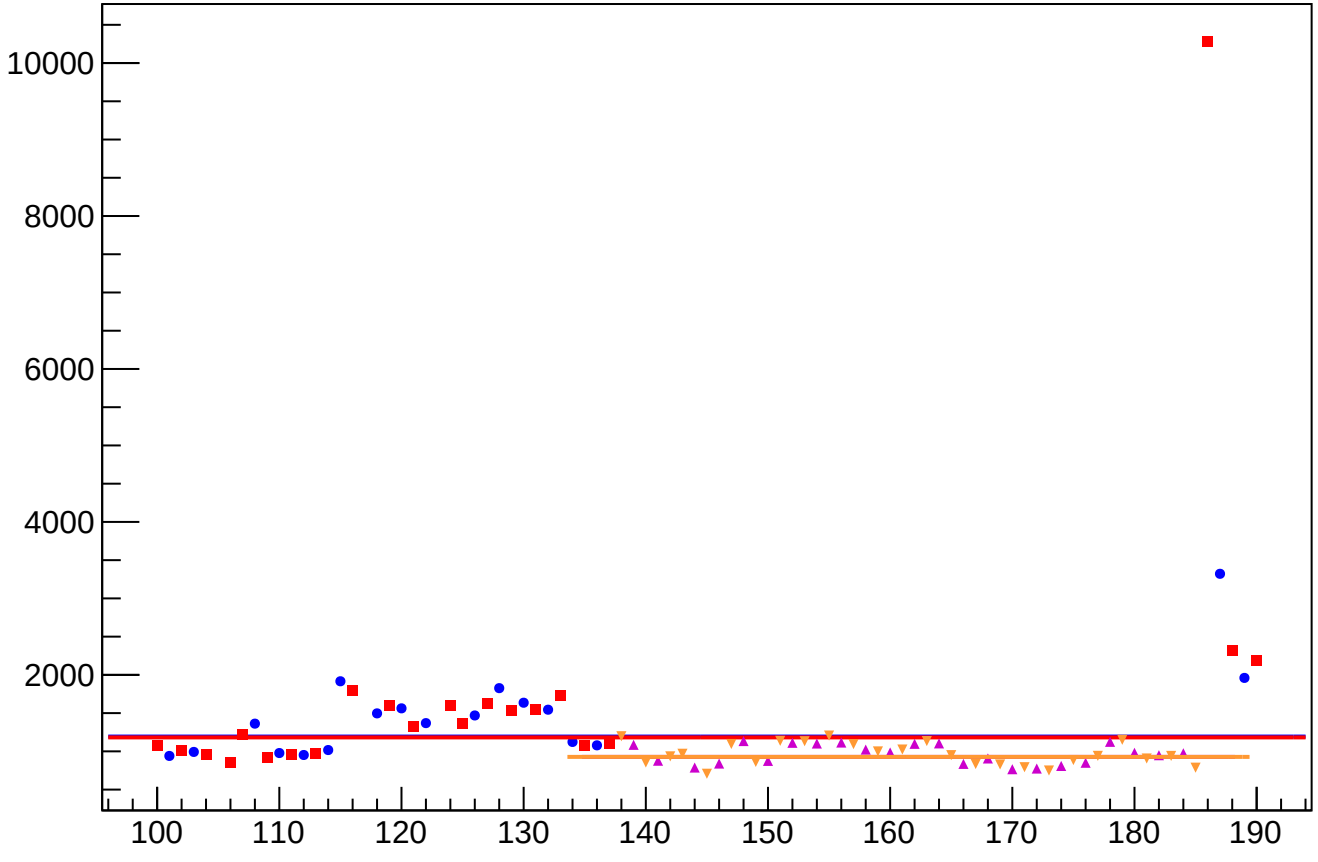
Right: -332.325+/-302.330 χ^2/NDF: 45.2/39

In: 161.762+/-196.245 χ^2/NDF:48.7/40

Out: 786.042+/-190.209 χ^2/NDF:87.5/46

All: 483.649+/-136.582 χ^2/NDF: 141.4/87

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1193.430+/-0.311 χ^2/NDF: 993839.4/17

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1182.384+/-0.294 χ^2/NDF: 2019701.0/21

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

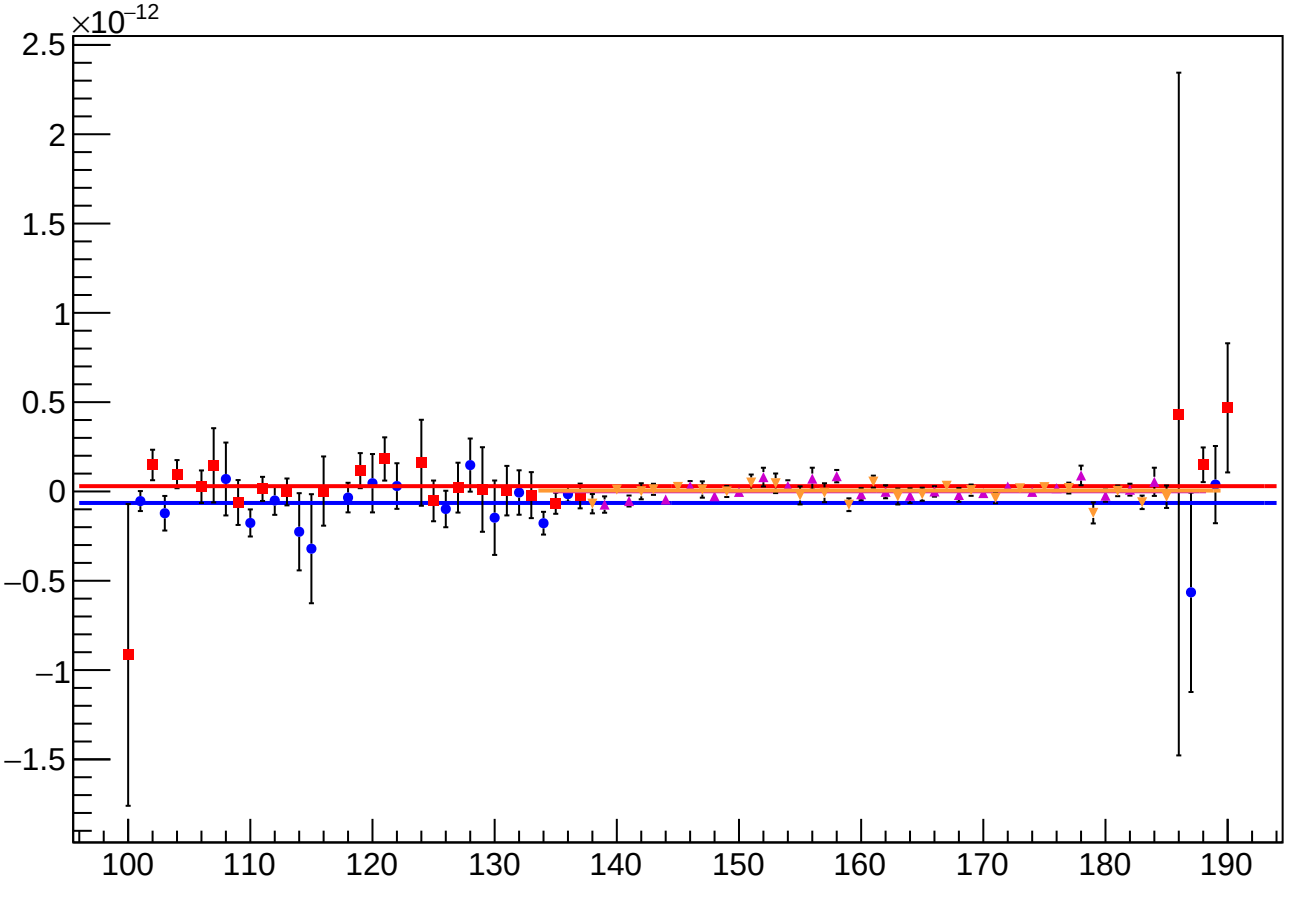
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

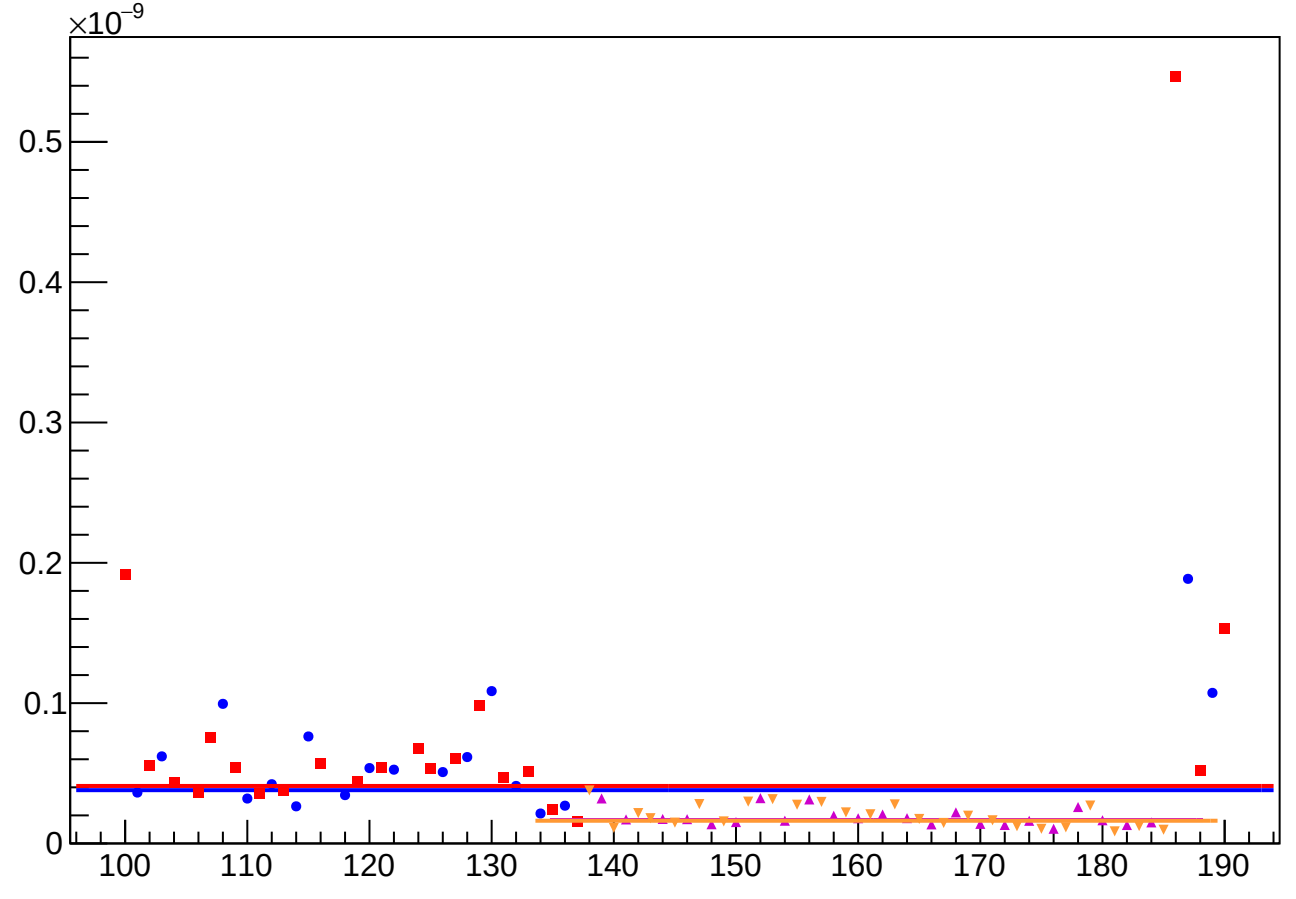
Right: 1187.603+/-0.214 χ^2/NDF: 3014205.8/39

In: 980.290+/-0.139 χ^2/NDF:2236686.3/40

Out: 980.813+/-0.134 χ^2/NDF:3487669.5/46

All: 980.560+/-0.097 χ^2/NDF: 5724363.1/87


asym_sam_48_dd_reg_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
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.5/17
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.7/21
Left In: 0.000+/-0.000 χ²/NDF:27.7/22
Left: 0.000+/-0.000 χ²/NDF: 53.3/47
Right: -0.000+/-0.000 χ²/NDF: 37.3/39
In: -0.000+/-0.000 χ²/NDF:49.5/40
Out: 0.000+/-0.000 χ²/NDF:41.2/46
All: 0.000+/-0.000 χ²/NDF: 92.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 1350444.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1267844.5/21

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

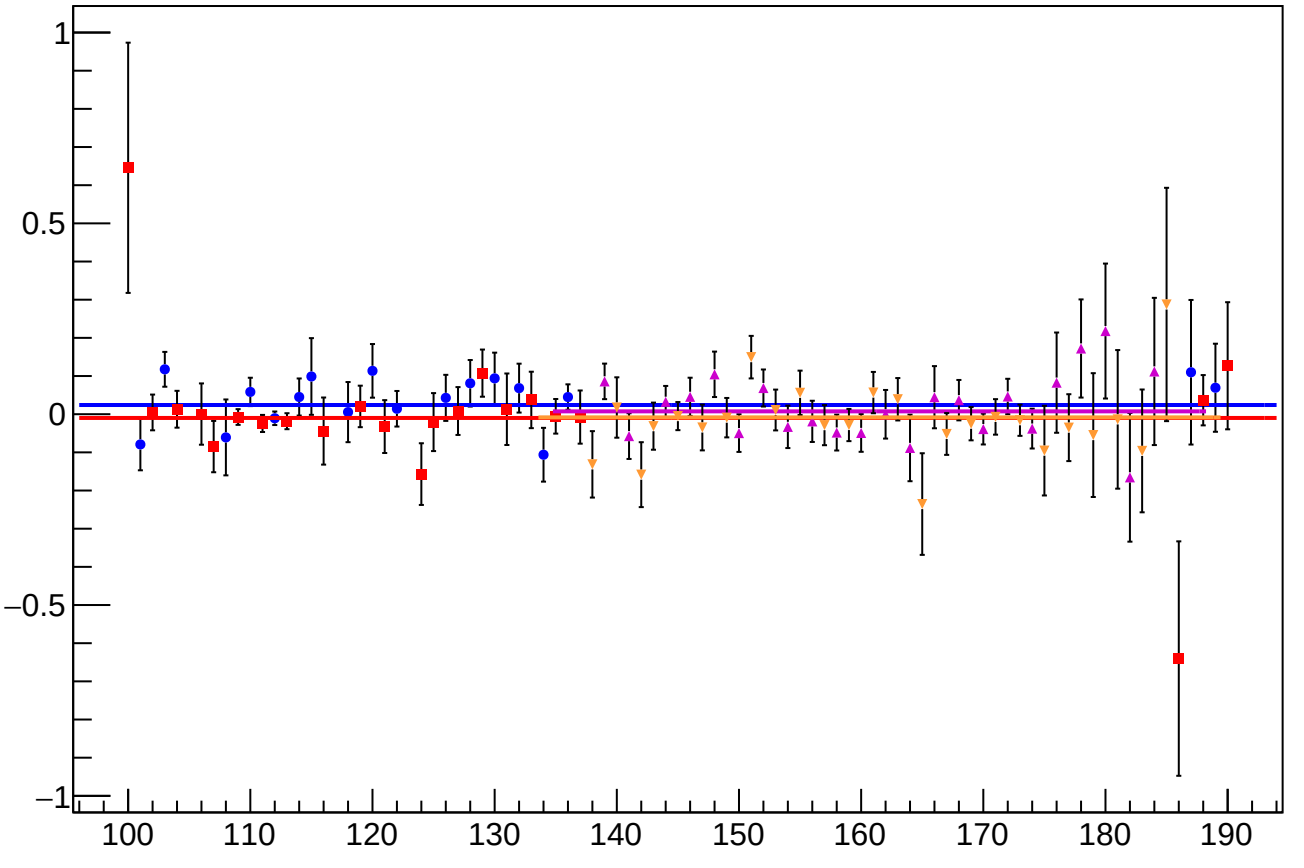
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 2636832.1/39

In: 0.000+/-0.000 χ^2/NDF:4032030.0/40

Out: 0.000+/-0.000 χ^2/NDF:5534036.6/46

All: 0.000+/-0.000 χ^2/NDF: 9572665.4/87



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

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

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

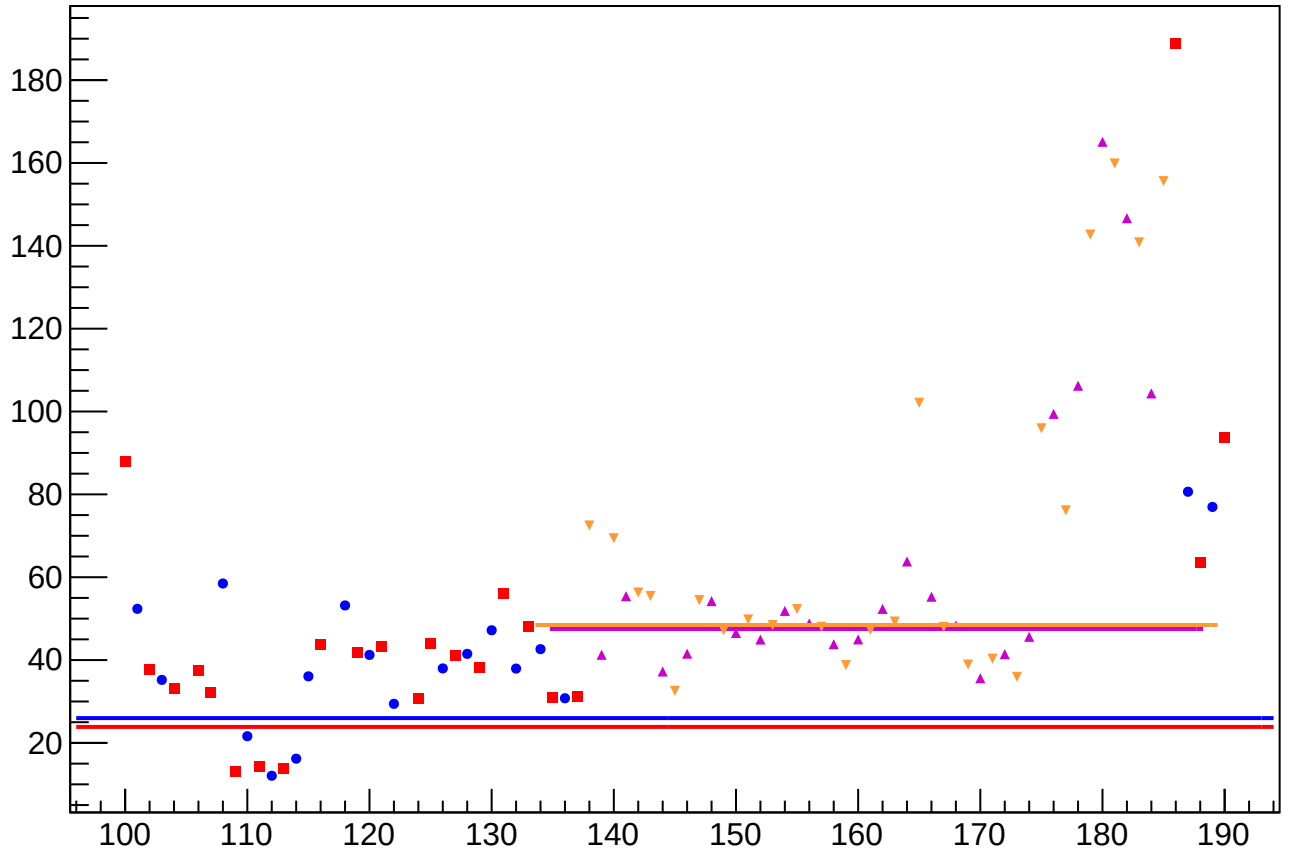
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.007 χ^2/NDF: 46.1/39

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.009+/-0.008 χ^2/NDF:42.8/46

All: 0.003+/-0.006 χ^2/NDF: 93.6/87



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 23.861+/-0.007 χ^2/NDF: 4831145.0/21

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

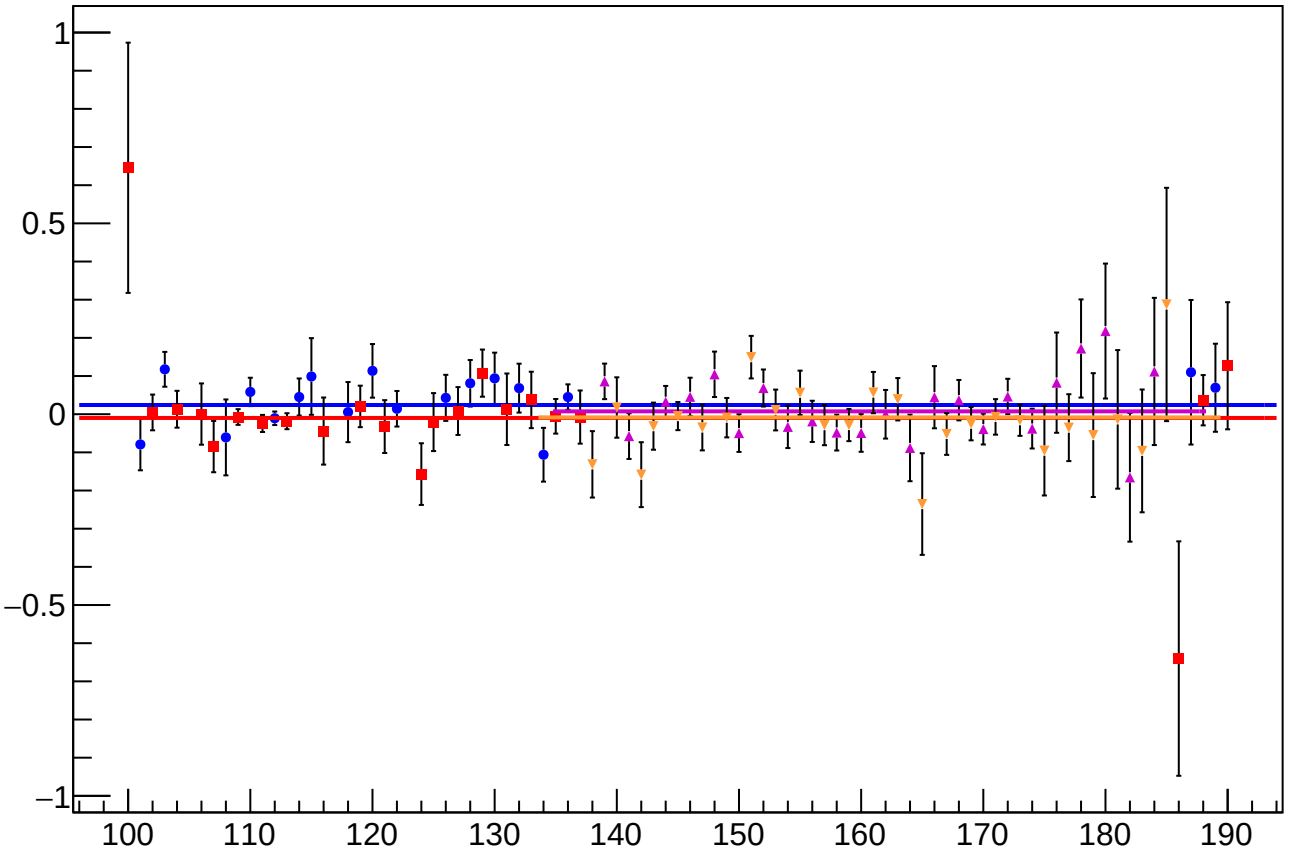
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 24.789+/-0.005 χ^2/NDF: 8362247.3/39

In: 35.785+/-0.006 χ^2/NDF:10047743.0/40

Out: 33.548+/-0.005 χ^2/NDF:14299620.4/46

All: 34.583+/-0.004 χ^2/NDF: 24428928.5/87



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

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

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

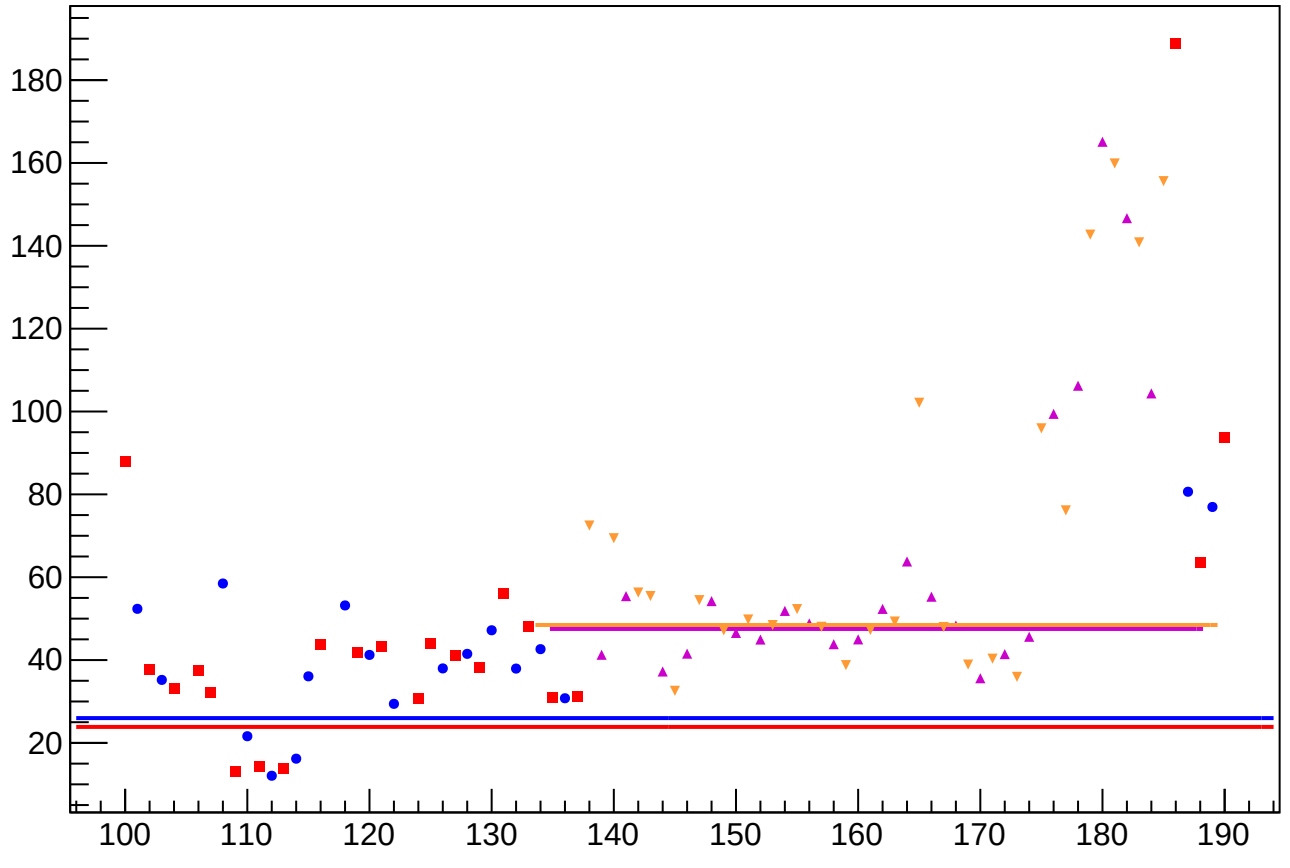
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.007 χ^2/NDF: 46.1/39

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.009+/-0.008 χ^2/NDF:42.8/46

All: 0.003+/-0.006 χ^2/NDF: 93.6/87



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 23.861+/-0.007 χ^2/NDF: 4831145.0/21

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

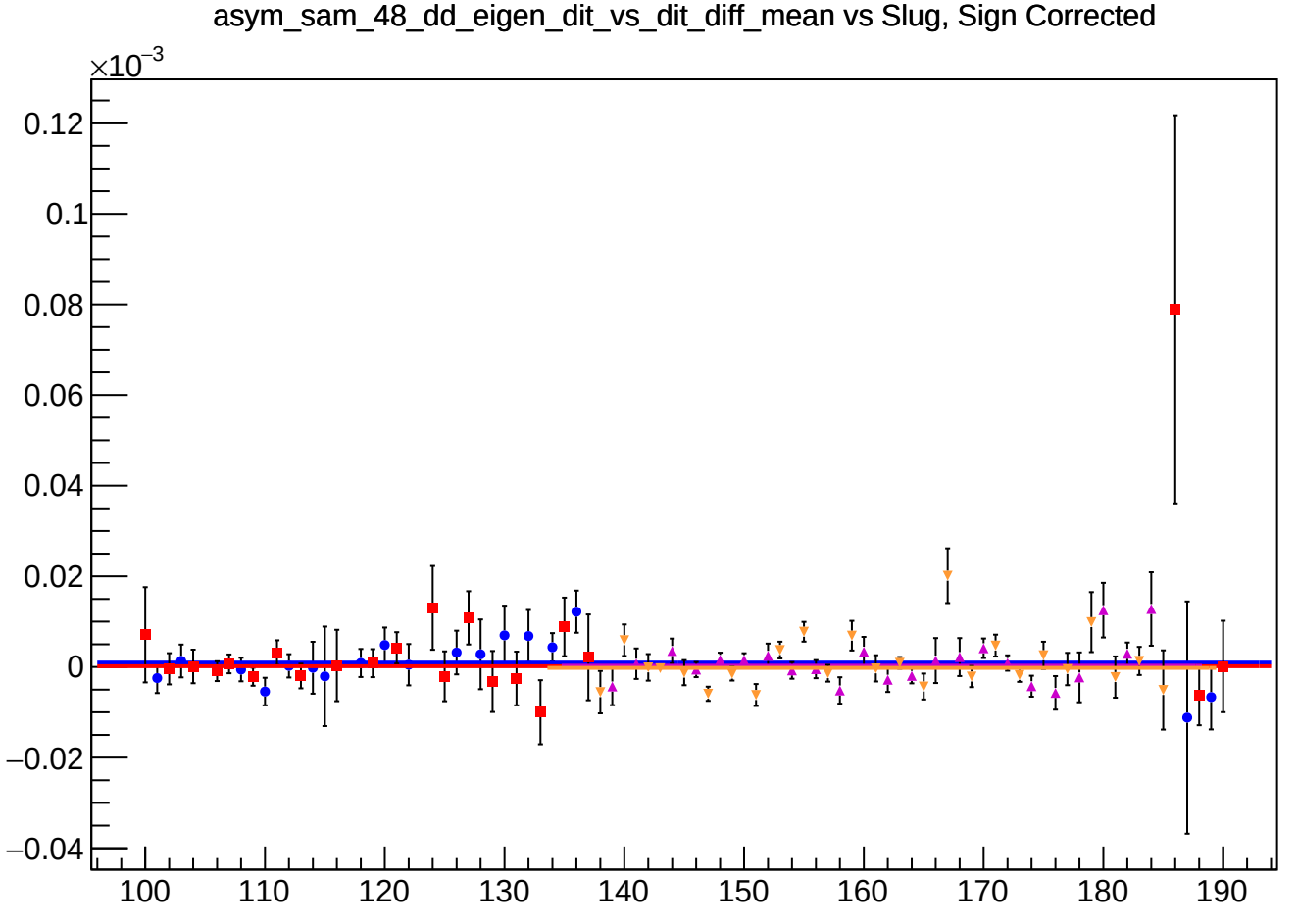
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 24.789+/-0.005 χ^2/NDF: 8362247.3/39

In: 35.785+/-0.006 χ^2/NDF:10047743.0/40

Out: 33.548+/-0.005 χ^2/NDF:14299620.4/46

All: 34.583+/-0.004 χ^2/NDF: 24428928.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/21

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

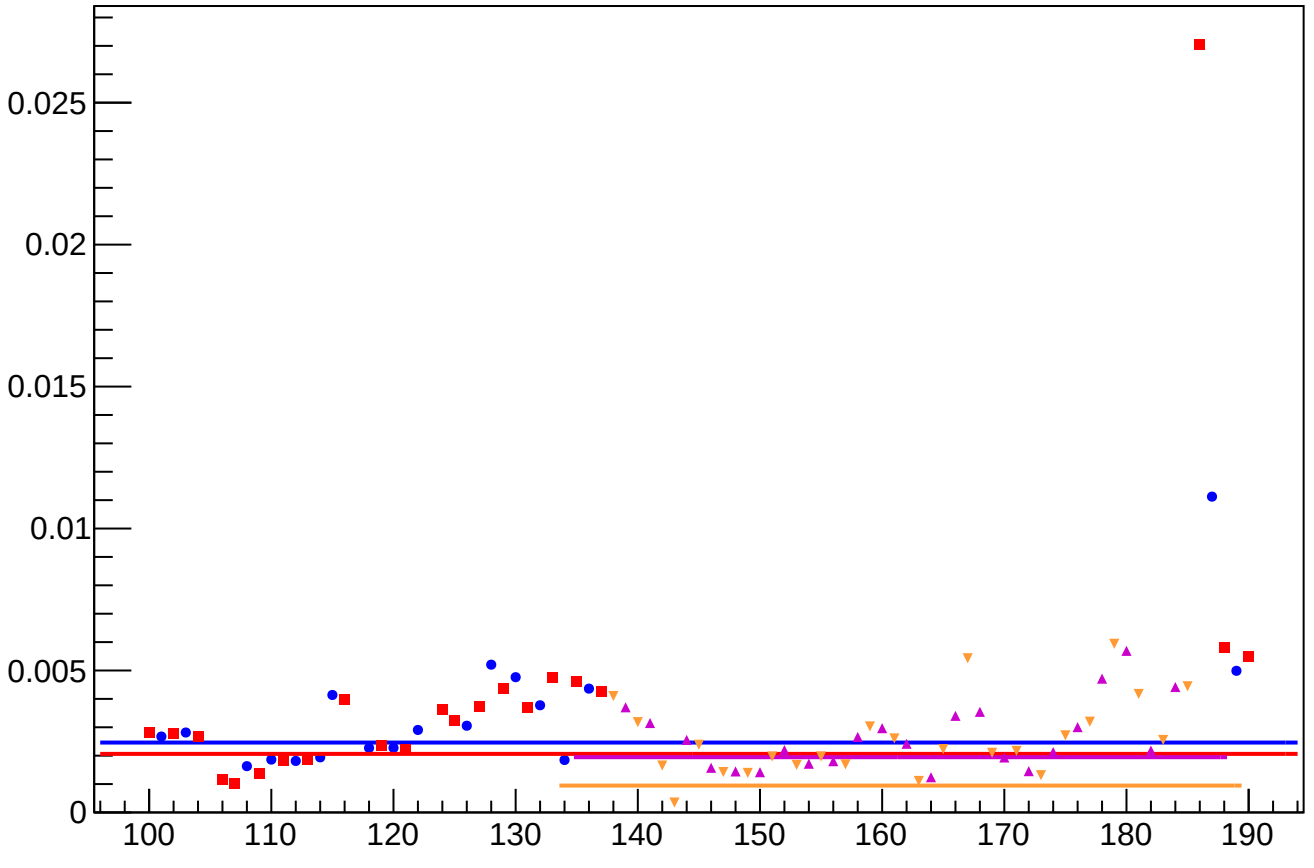
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 37.4/39

In: 0.000+/-0.000 χ^2/NDF:48.9/40

Out: -0.000+/-0.000 χ^2/NDF:91.3/46

All: 0.000+/-0.000 χ^2/NDF: 141.4/87



Right In: 0.002+/-0.000 χ^2/NDF: 2057780.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4340151.1/21

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

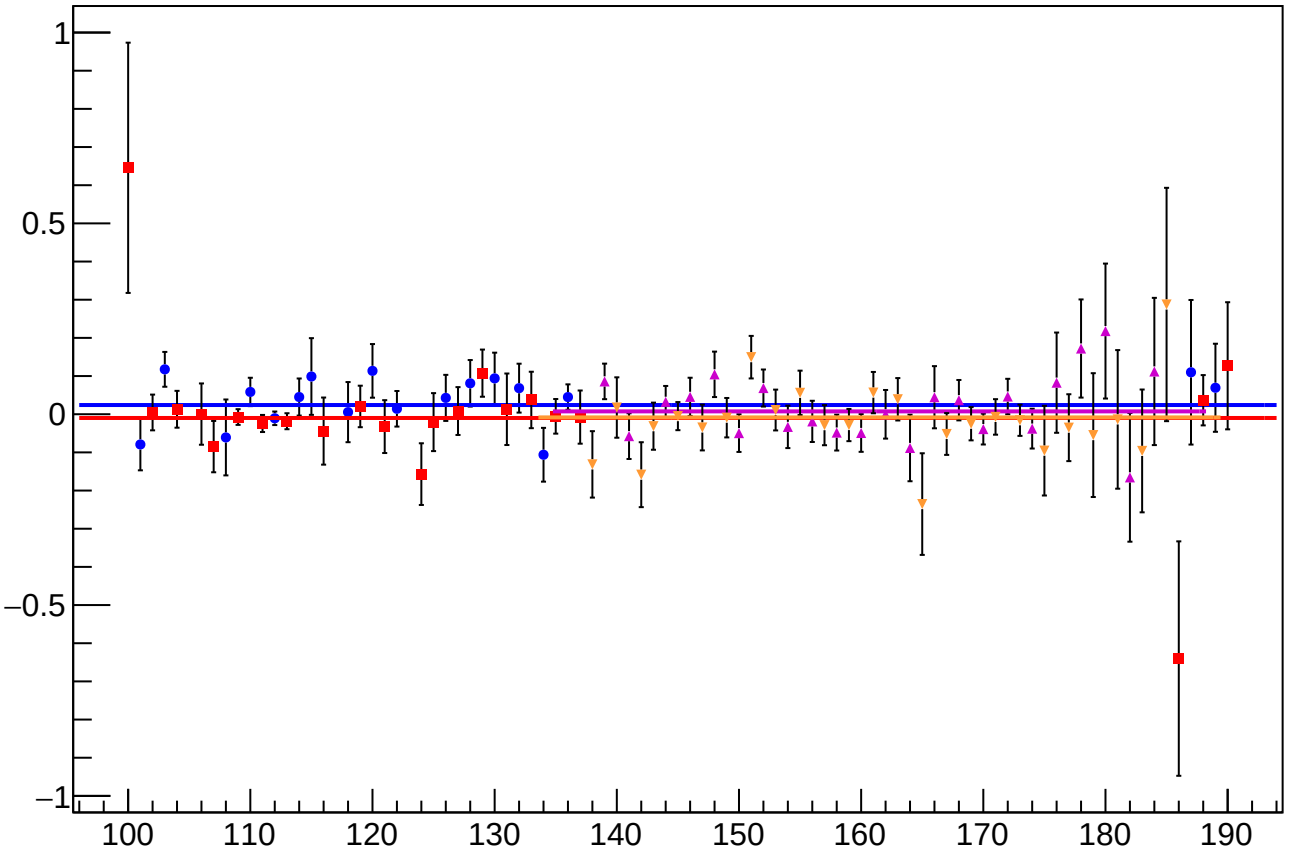
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 6604858.8/39

In: 0.002+/-0.000 χ^2/NDF:6887223.2/40

Out: 0.001+/-0.000 χ^2/NDF:25328328.1/46

All: 0.001+/-0.000 χ^2/NDF: 39155141.8/87



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

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

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

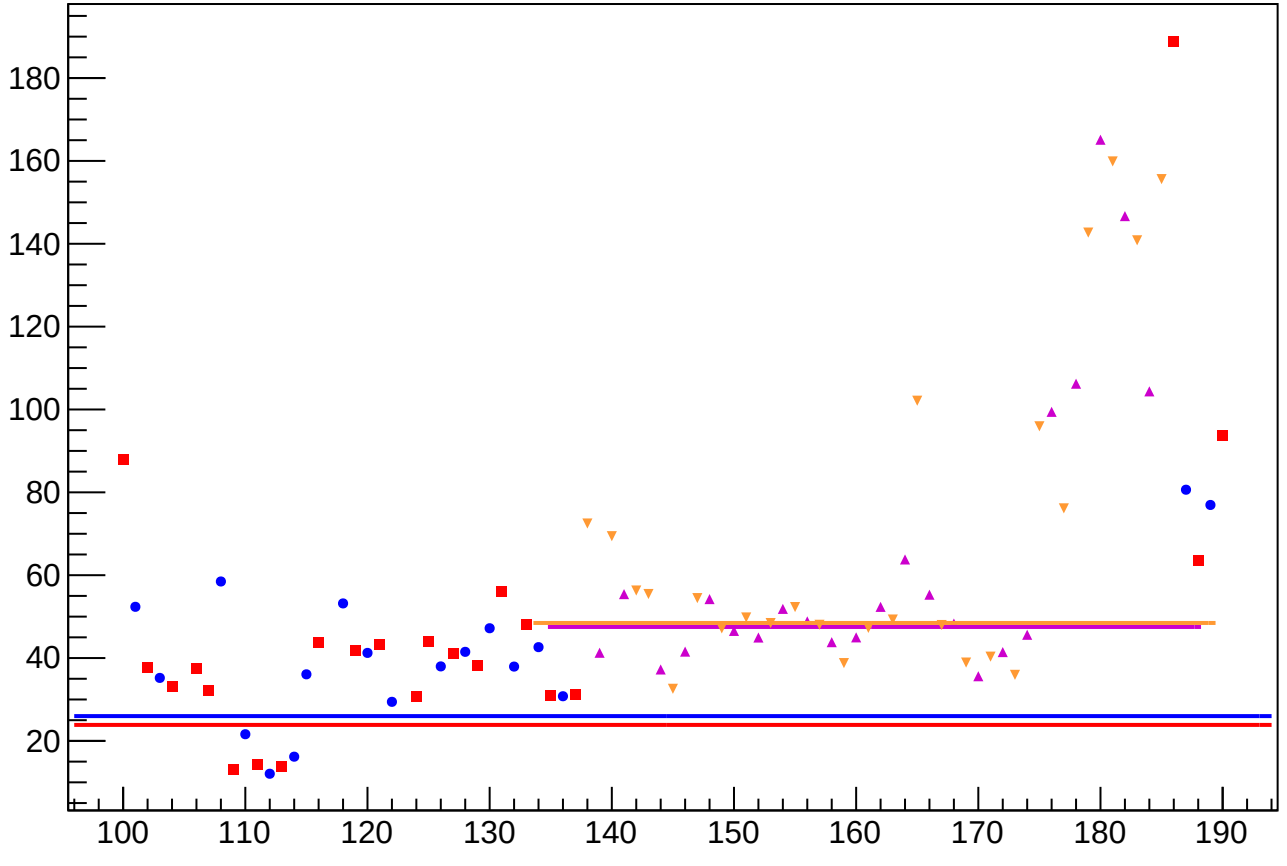
Right: 0.005+/-0.007 χ^2/NDF: 46.1/39

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.009+/-0.008 χ^2/NDF:42.8/46

All: 0.003+/-0.006 χ^2/NDF: 93.6/87

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 23.861+/-0.007 χ^2/NDF: 4831312.7/21

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

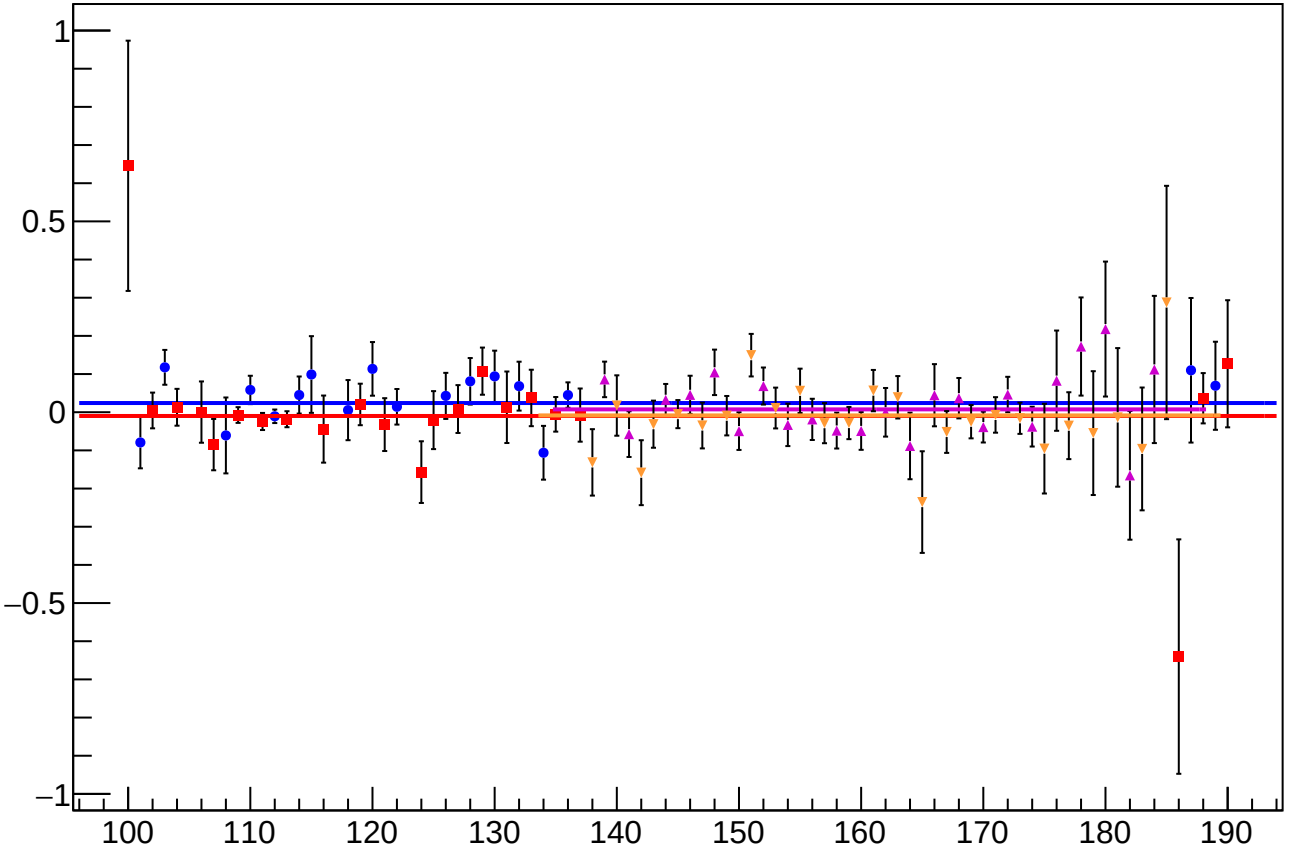
Right: 24.789+/-0.005 χ^2/NDF: 8362804.9/39

In: 35.784+/-0.006 χ^2/NDF:10048723.9/40

Out: 33.548+/-0.005 χ^2/NDF:14299996.6/46

All: 34.582+/-0.004 χ^2/NDF: 24430232.9/87

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

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

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

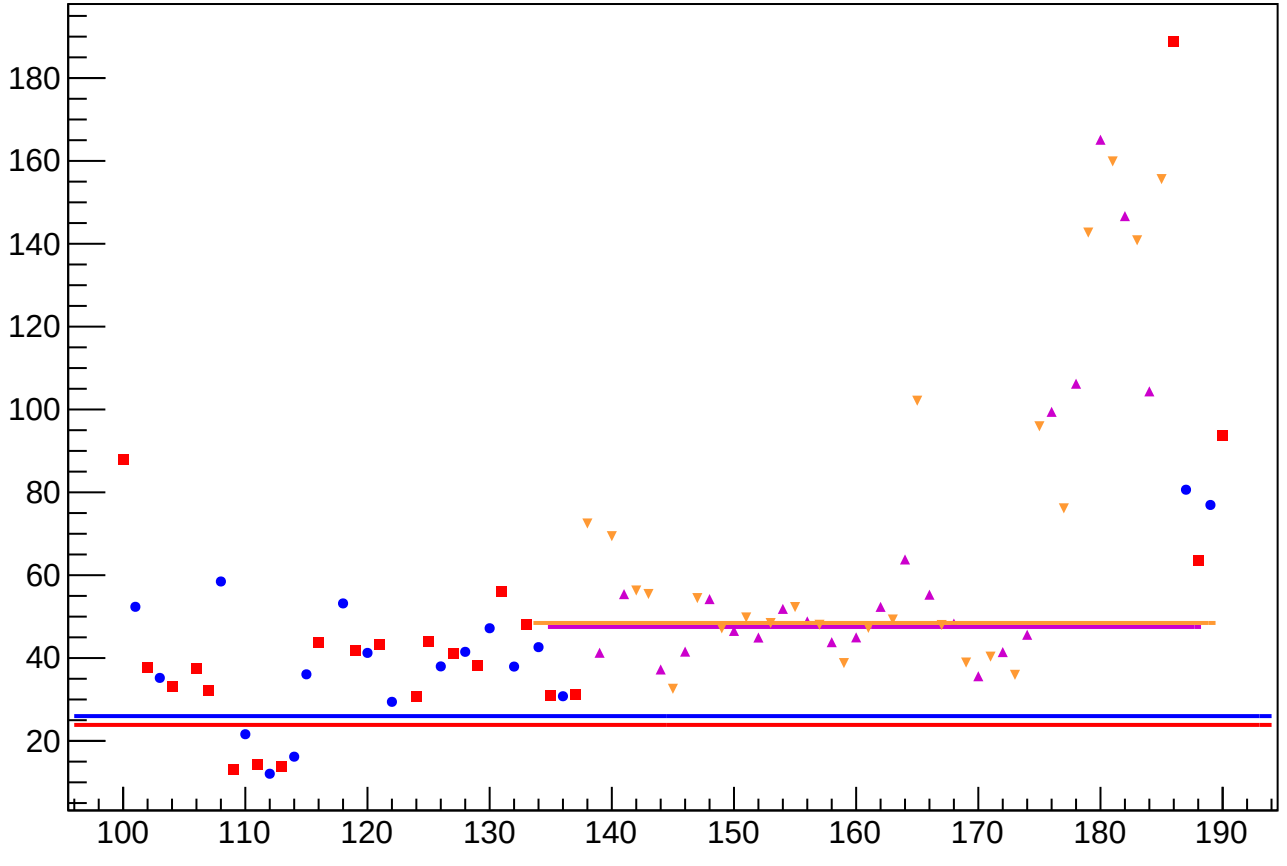
Right: 0.005+/-0.007 χ^2/NDF: 46.1/39

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.009+/-0.008 χ^2/NDF:42.8/46

All: 0.003+/-0.006 χ^2/NDF: 93.6/87

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 23.861+/-0.007 χ^2/NDF: 4831312.7/21

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

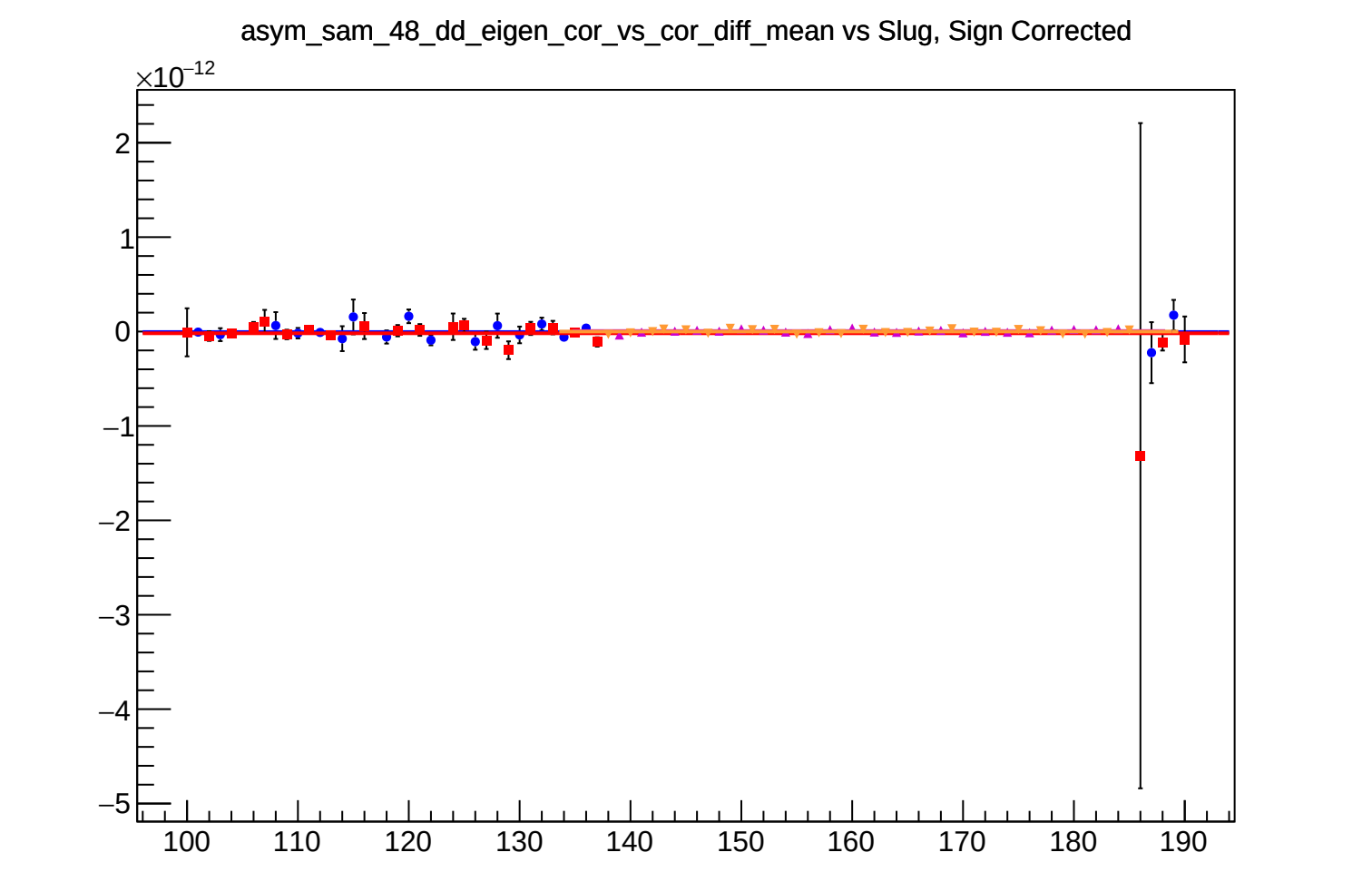
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 24.789+/-0.005 χ^2/NDF: 8362804.9/39

In: 35.784+/-0.006 χ^2/NDF:10048723.9/40

Out: 33.548+/-0.005 χ^2/NDF:14299996.6/46

All: 34.582+/-0.004 χ^2/NDF: 24430232.9/87



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/21

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

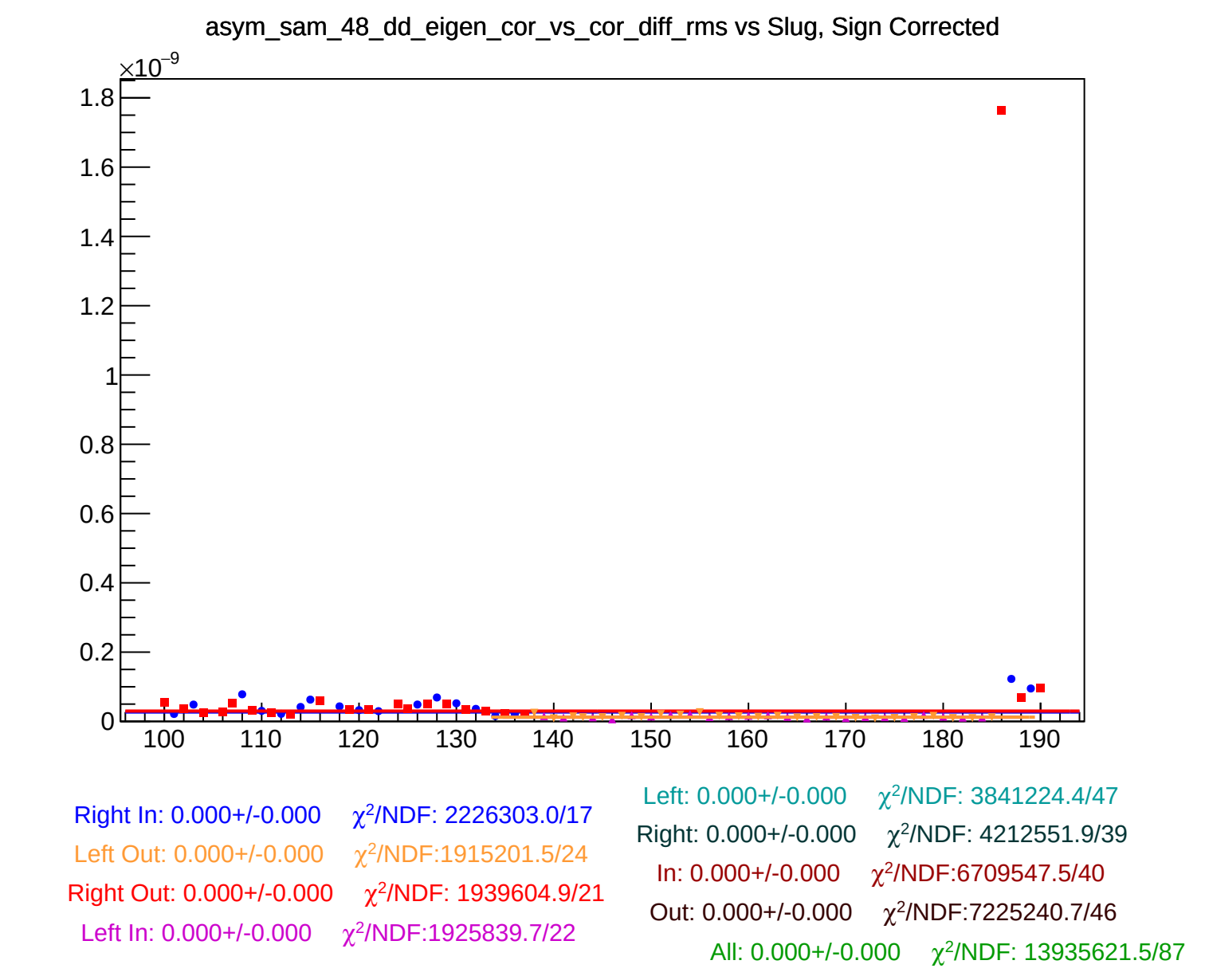
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

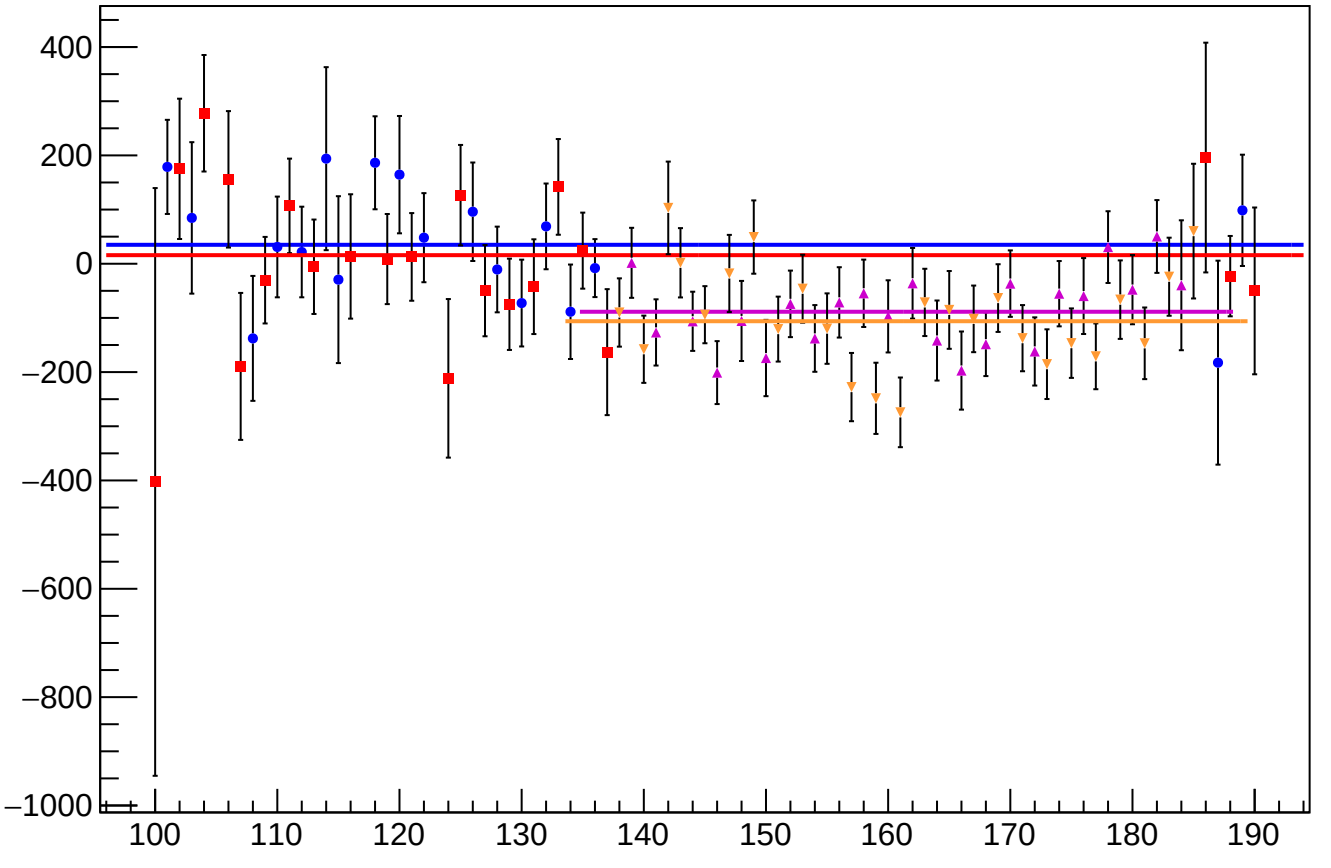
Right: -0.000+/-0.000 χ^2/NDF: 37.4/39

In: 0.000+/-0.000 χ^2/NDF:40.3/40

Out: -0.000+/-0.000 χ^2/NDF:49.6/46

All: 0.000+/-0.000 χ^2/NDF: 91.3/87


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2226303.0/17
Left Out: 0.000+/-0.000 χ²/NDF:1915201.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1939604.9/21
Left In: 0.000+/-0.000 χ²/NDF:1925839.7/22
Left: 0.000+/-0.000 χ²/NDF: 3841224.4/47
Right: 0.000+/-0.000 χ²/NDF: 4212551.9/39
In: 0.000+/-0.000 χ²/NDF:6709547.5/40
Out: 0.000+/-0.000 χ²/NDF:7225240.7/46
All: 0.000+/-0.000 χ²/NDF: 13935621.5/87



Right In: 34.965+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 15.841+/-20.911 χ^2/NDF: 24.7/21

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

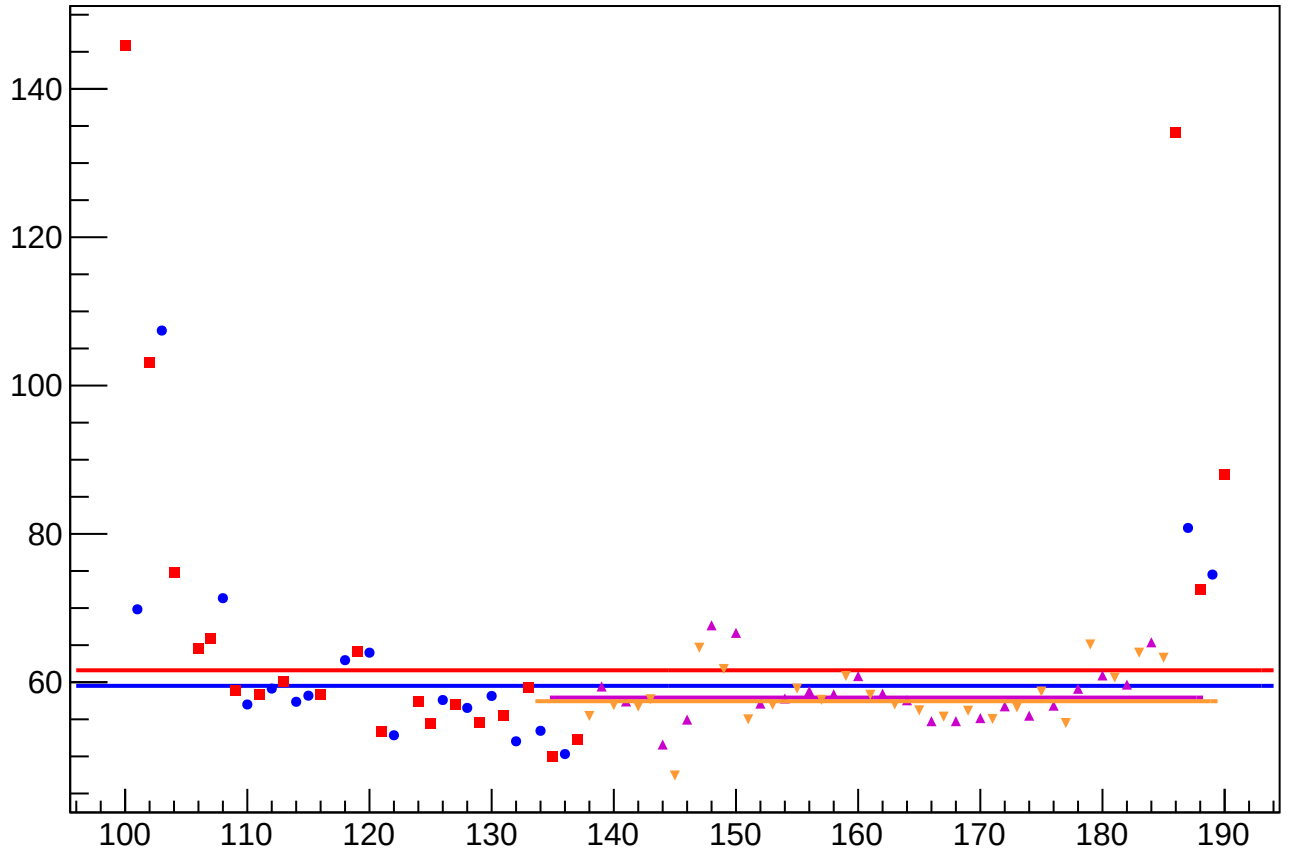
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 25.139+/-14.989 χ^2/NDF: 43.0/39

In: -53.418+/-11.473 χ^2/NDF:65.5/40

Out: -71.773+/-11.095 χ^2/NDF:89.8/46

All: -62.902+/-7.975 χ^2/NDF: 156.6/87



Right In: 59.513+/-0.015 χ^2/NDF: 465005.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.612+/-0.015 χ^2/NDF: 764415.2/21

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

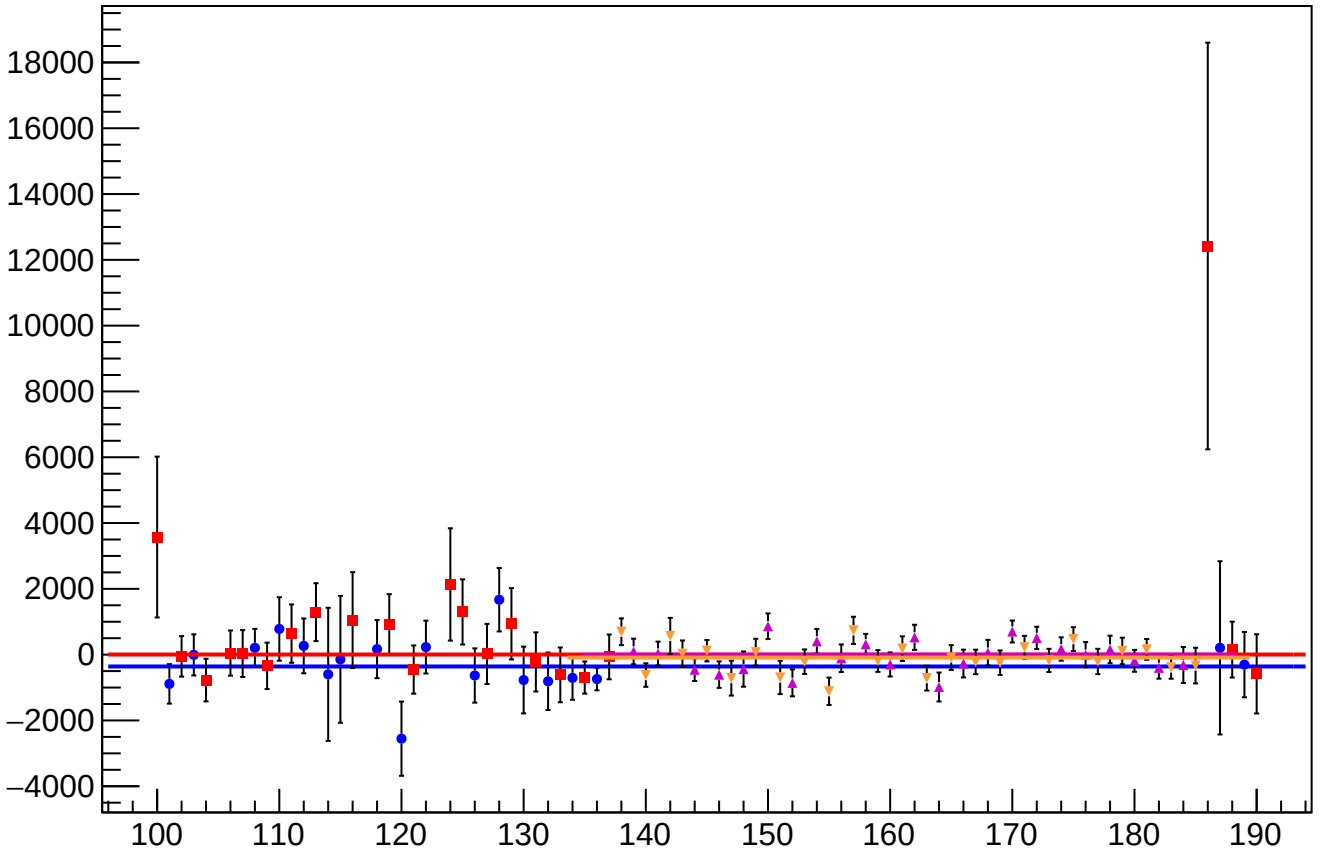
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.591+/-0.011 χ^2/NDF: 1239221.1/39

In: 58.383+/-0.008 χ^2/NDF:608634.6/40

Out: 58.615+/-0.008 χ^2/NDF:996163.5/46

All: 58.503+/-0.006 χ^2/NDF: 1605220.3/87



Right In: -359.550+/-177.284 χ^2/NDF: 15.3/17

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 3.731+/-176.943 χ^2/NDF: 19.4/21

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

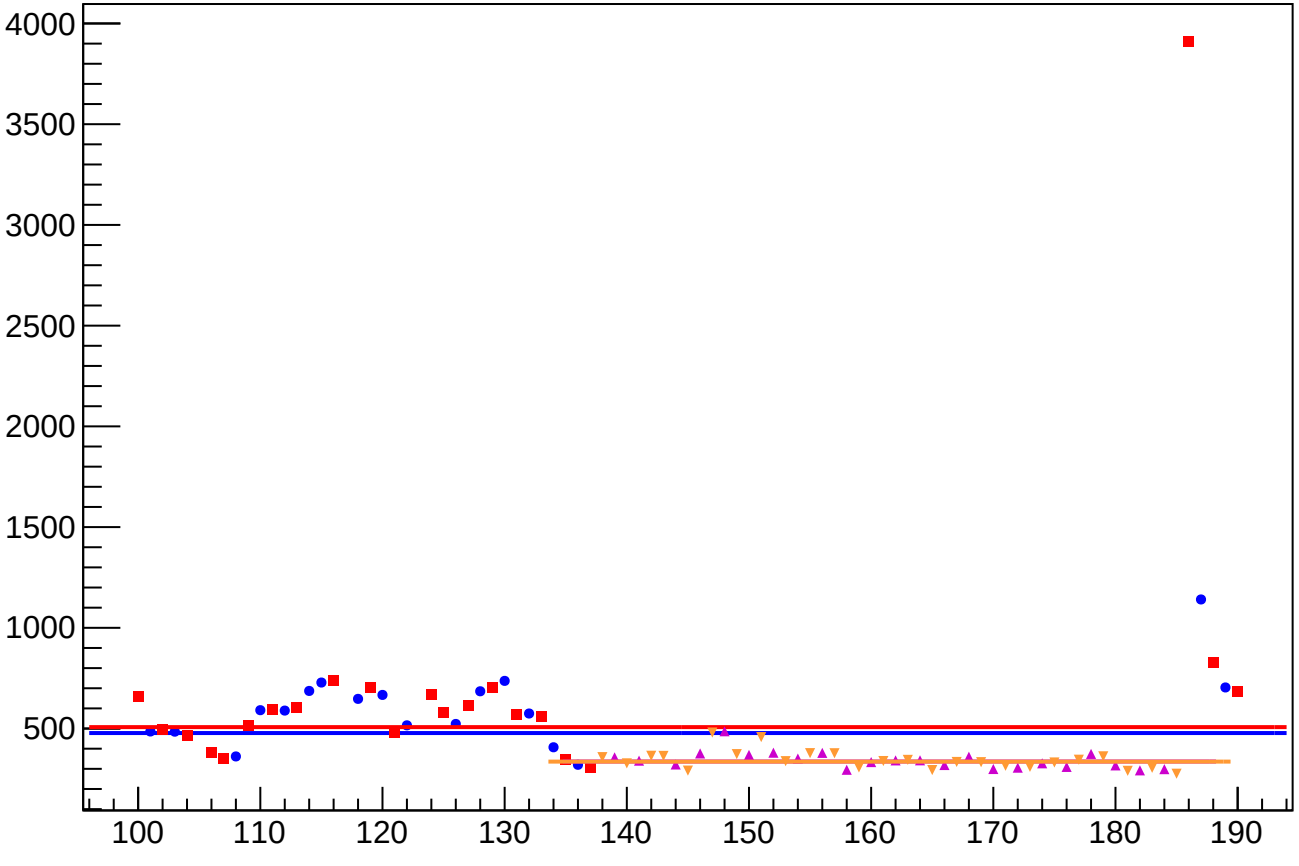
Right: -177.561+/-125.238 χ^2/NDF: 36.8/39

In: -62.350+/-72.307 χ^2/NDF:52.2/40

Out: -74.281+/-70.613 χ^2/NDF:49.5/46

All: -68.457+/-50.519 χ^2/NDF: 101.8/87

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 477.671+/-0.125 χ^2/NDF: 1267911.0/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 507.084+/-0.125 χ^2/NDF: 1840978.5/21

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

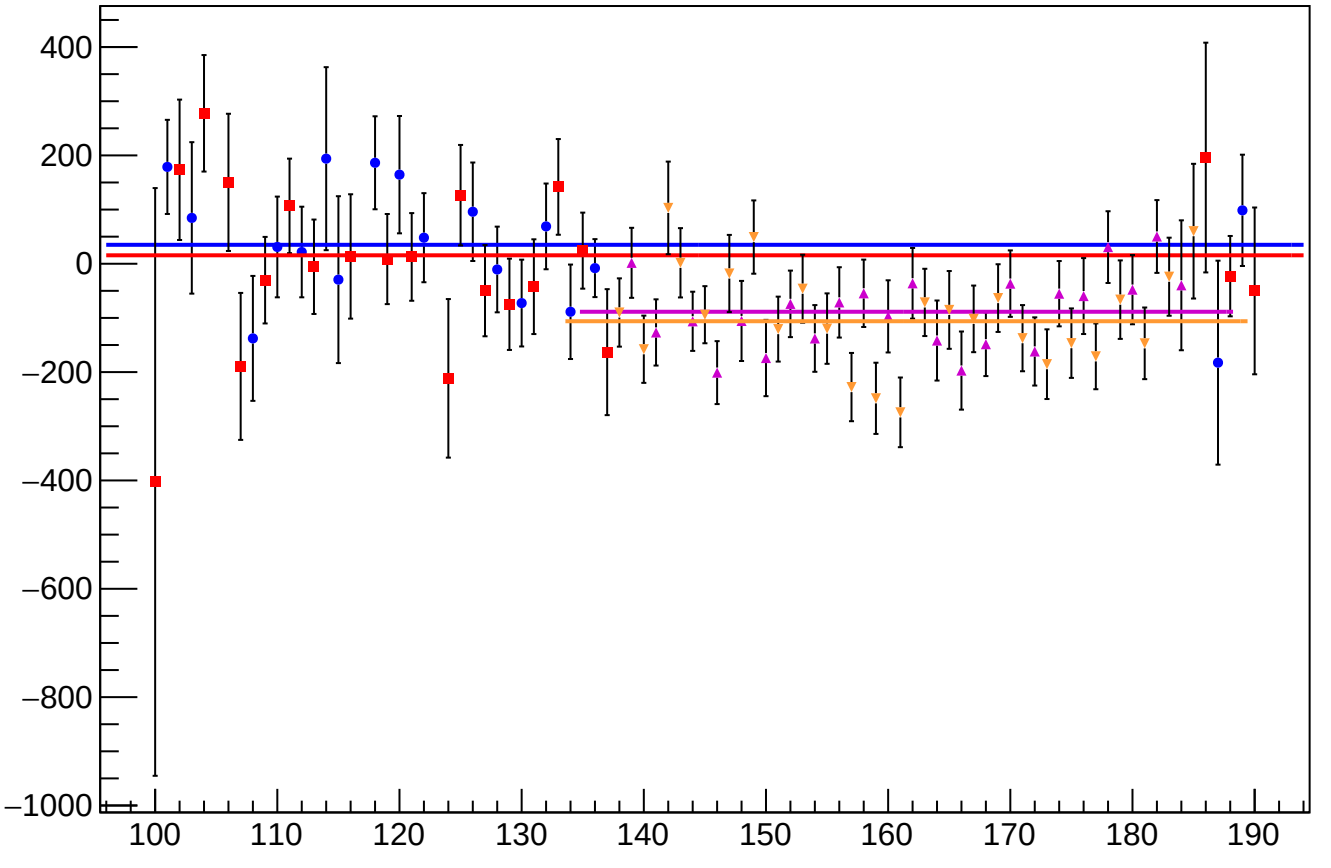
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 492.406+/-0.089 χ^2/NDF: 3136467.8/39

In: 359.853+/-0.051 χ^2/NDF:2741686.6/40

Out: 363.157+/-0.050 χ^2/NDF:3948716.4/46

All: 361.544+/-0.036 χ^2/NDF: 6692541.2/87



Right In: 34.964+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 15.595+/-20.914 χ^2/NDF: 24.6/21

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

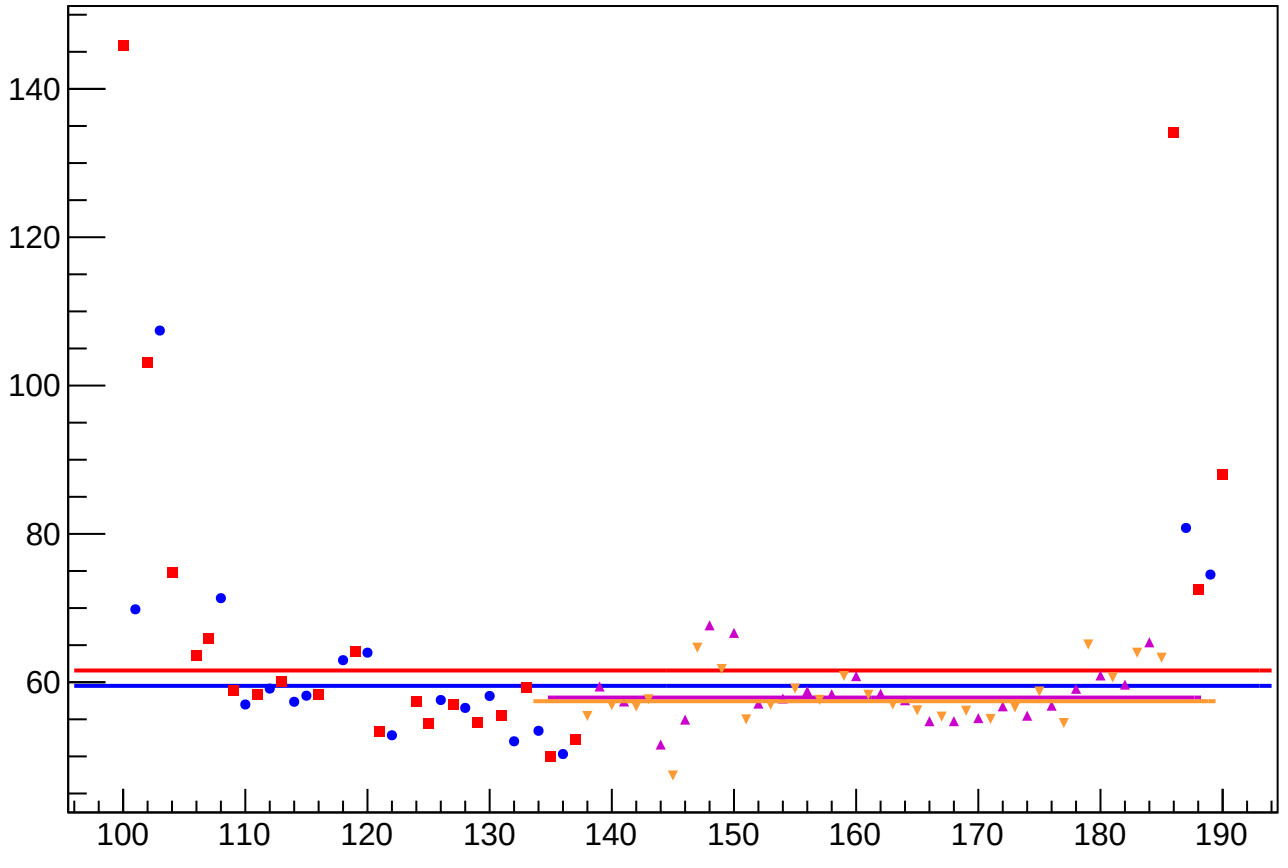
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 25.014+/-14.990 χ^2/NDF: 42.9/39

In: -53.420+/-11.473 χ^2/NDF:65.5/40

Out: -71.850+/-11.095 χ^2/NDF:89.6/46

All: -62.943+/-7.976 χ^2/NDF: 156.3/87



Right In: 59.513+/-0.015 χ^2/NDF: 465007.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.584+/-0.015 χ^2/NDF: 764013.0/21

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

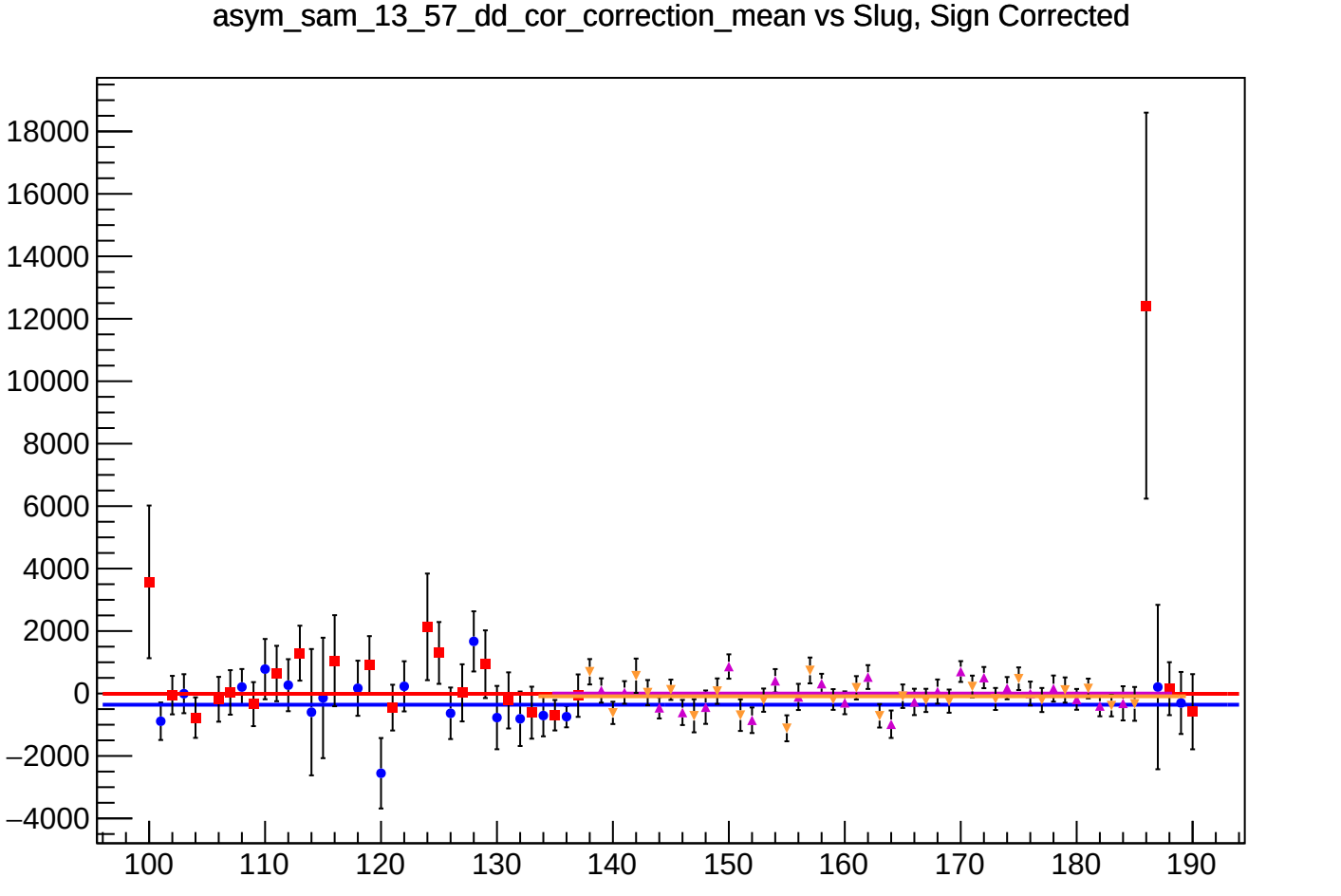
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.577+/-0.011 χ^2/NDF: 1238563.0/39

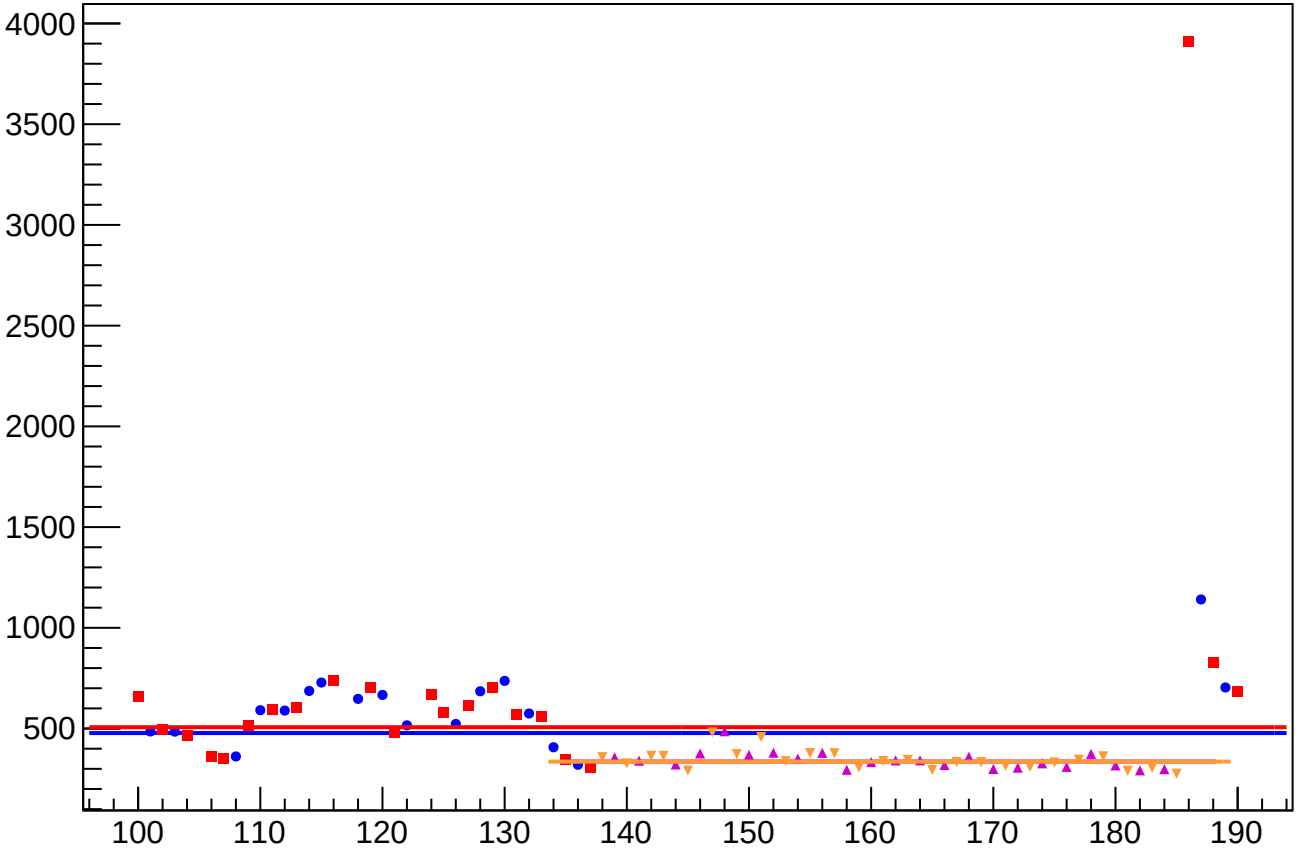
In: 58.383+/-0.008 χ^2/NDF:608636.7/40

Out: 58.607+/-0.008 χ^2/NDF:994992.4/46

All: 58.498+/-0.006 χ^2/NDF: 1604022.4/87


asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -359.514+/-177.285 χ²/NDF: 15.3/17
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: -10.732+/-177.453 χ²/NDF: 19.4/21
Left In: -3.047+/-79.193 χ²/NDF:33.6/22
Left: -47.256+/-55.210 χ²/NDF: 64.1/47
Right: -185.289+/-125.419 χ²/NDF: 36.7/39
In: -62.345+/-72.307 χ²/NDF:52.2/40
Out: -76.647+/-70.645 χ²/NDF:49.5/46
All: -69.662+/-50.531 χ²/NDF: 101.8/87

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 477.674+/-0.125 χ^2/NDF: 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 506.550+/-0.125 χ^2/NDF: 1857361.7/21

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

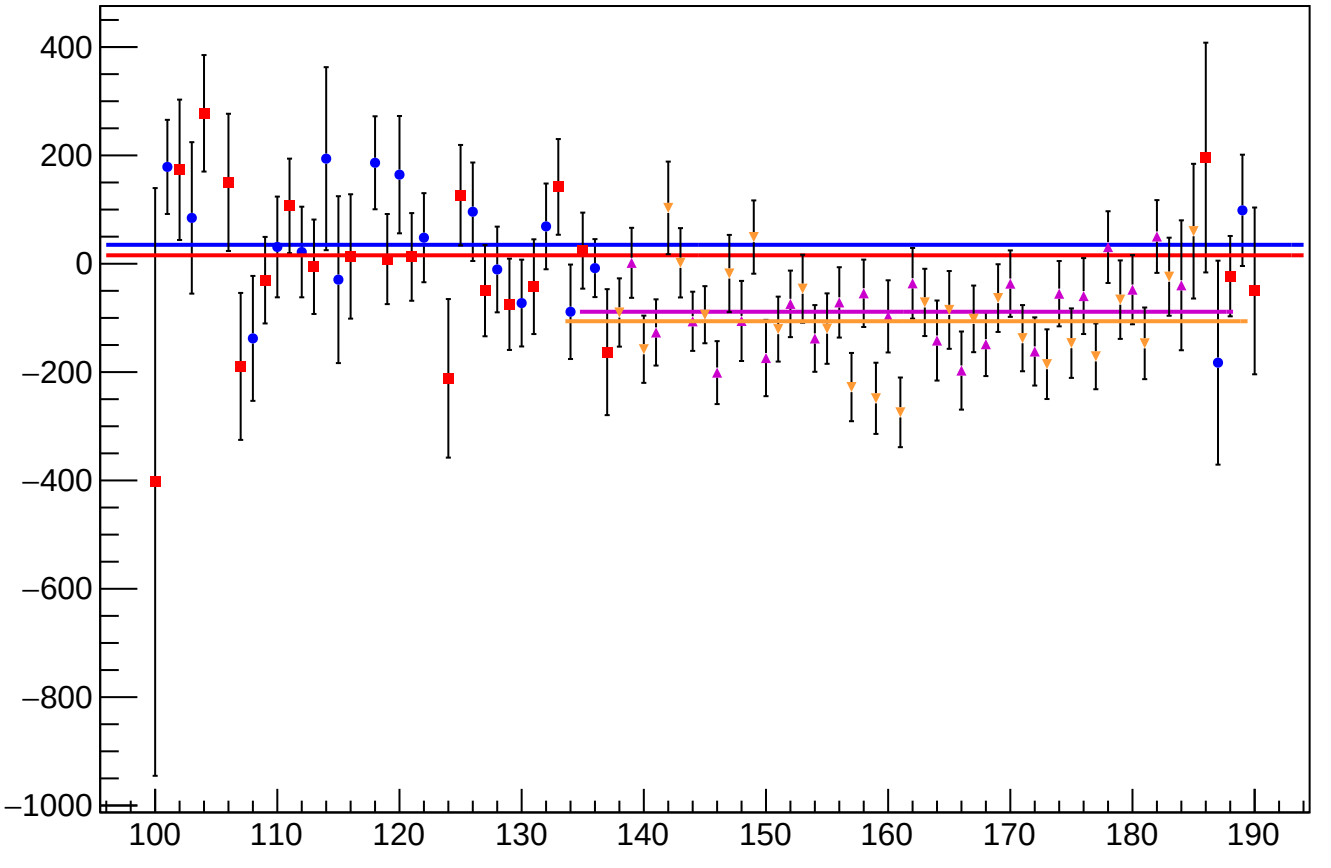
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 492.098+/-0.089 χ^2/NDF: 3151777.7/39

In: 359.853+/-0.051 χ^2/NDF:2741720.3/40

Out: 362.941+/-0.050 χ^2/NDF:3947751.4/46

All: 361.433+/-0.036 χ^2/NDF: 6691338.3/87



Right In: 34.964+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 15.595+/-20.914 χ^2/NDF: 24.6/21

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

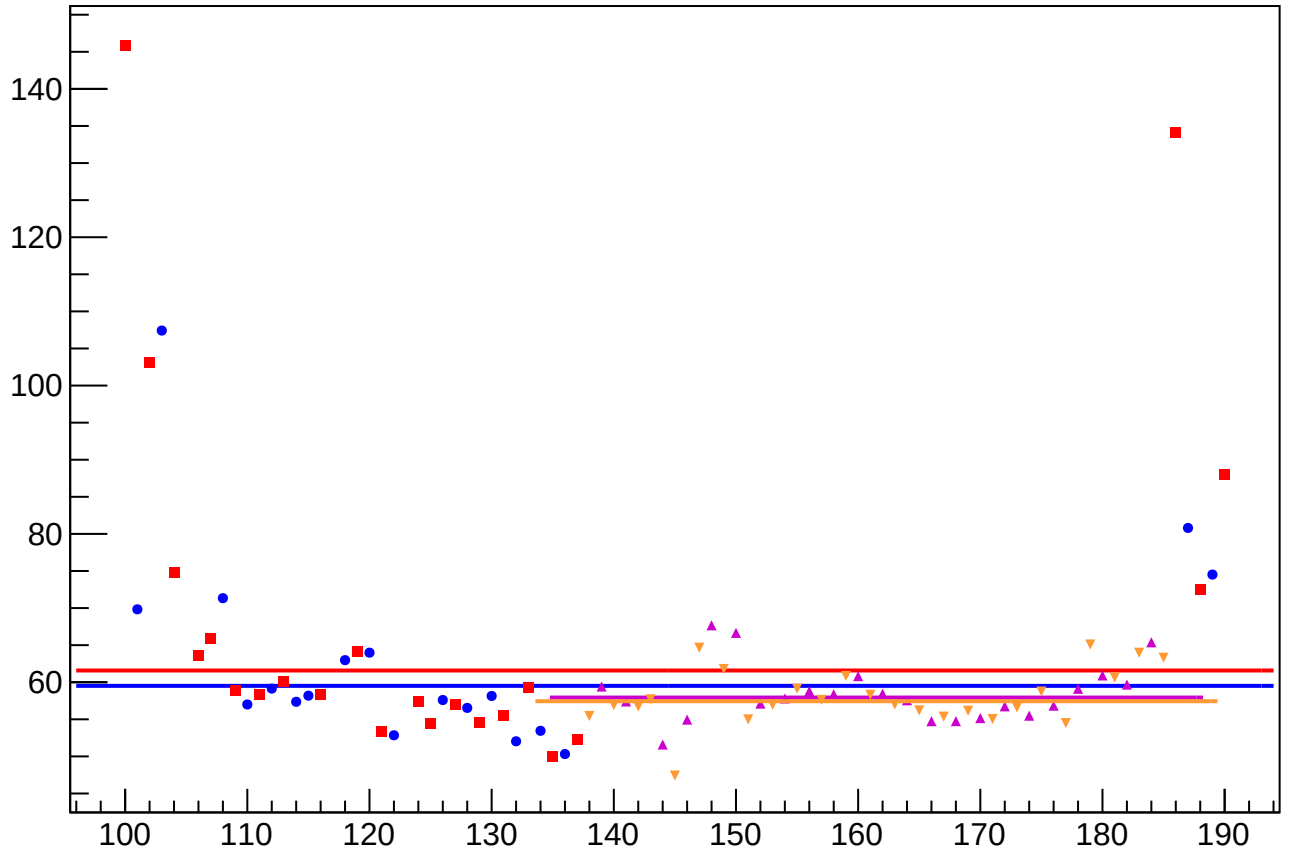
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 25.014+/-14.990 χ^2/NDF: 42.9/39

In: -53.420+/-11.473 χ^2/NDF:65.5/40

Out: -71.850+/-11.095 χ^2/NDF:89.6/46

All: -62.943+/-7.976 χ^2/NDF: 156.3/87



Right In: 59.513+/-0.015 χ^2/NDF: 465007.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.584+/-0.015 χ^2/NDF: 764013.0/21

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

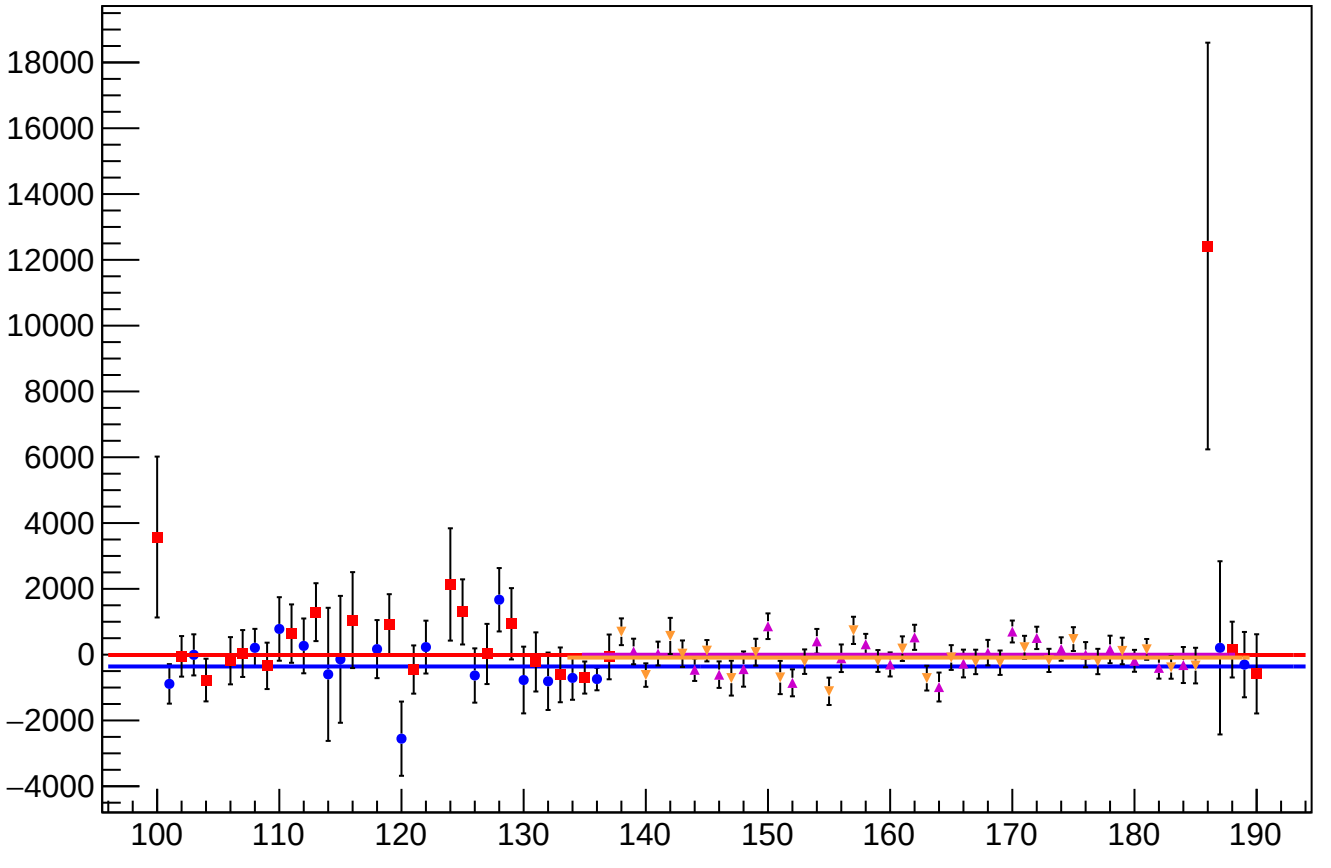
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.577+/-0.011 χ^2/NDF: 1238563.0/39

In: 58.383+/-0.008 χ^2/NDF:608636.7/40

Out: 58.607+/-0.008 χ^2/NDF:994992.4/46

All: 58.498+/-0.006 χ^2/NDF: 1604022.4/87



Right In: -359.514+/-177.285 χ^2/NDF: 15.3/17

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -10.732+/-177.453 χ^2/NDF: 19.4/21

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

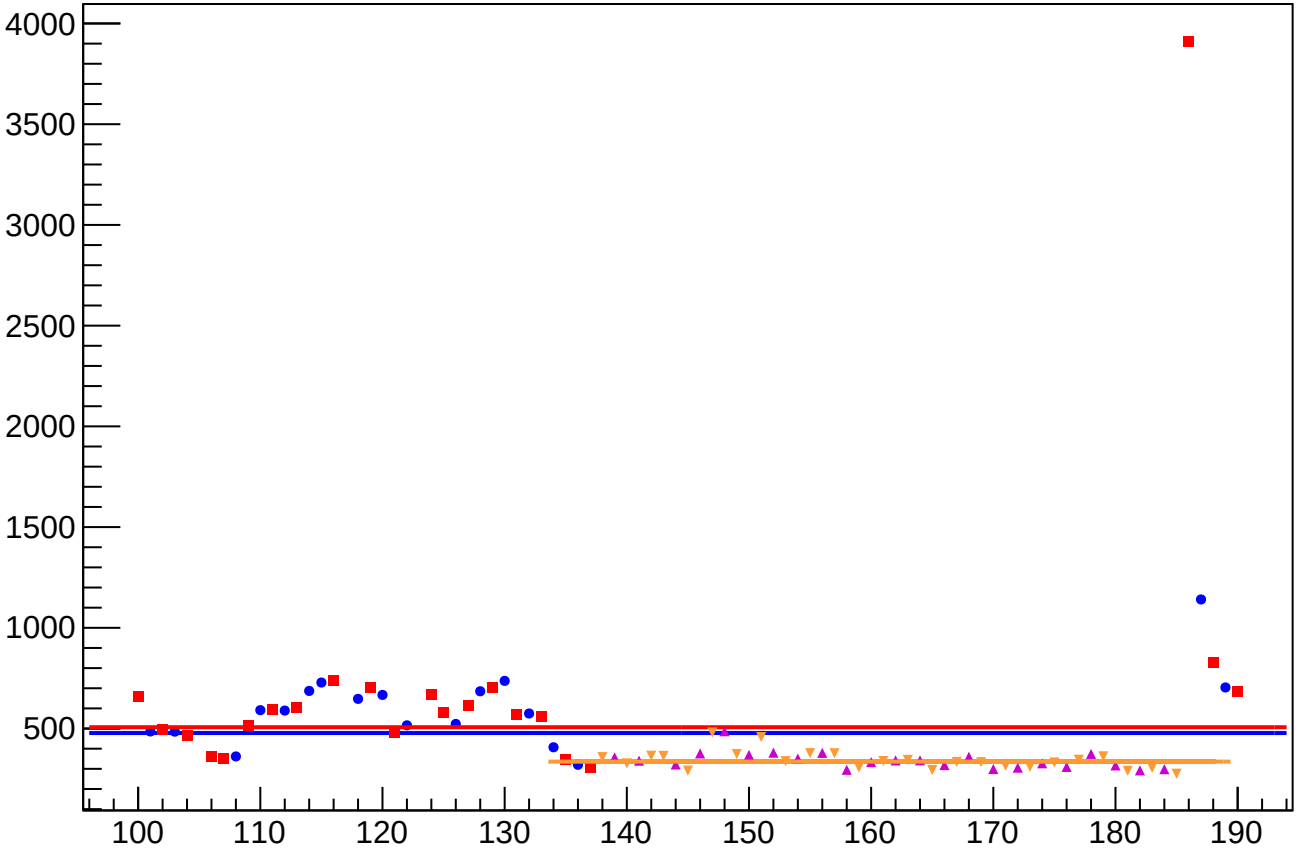
Right: -185.289+/-125.419 χ^2/NDF: 36.7/39

In: -62.345+/-72.307 χ^2/NDF:52.2/40

Out: -76.647+/-70.645 χ^2/NDF:49.5/46

All: -69.662+/-50.531 χ^2/NDF: 101.8/87

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 477.674+/-0.125 χ^2/NDF: 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 506.550+/-0.125 χ^2/NDF: 1857361.7/21

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

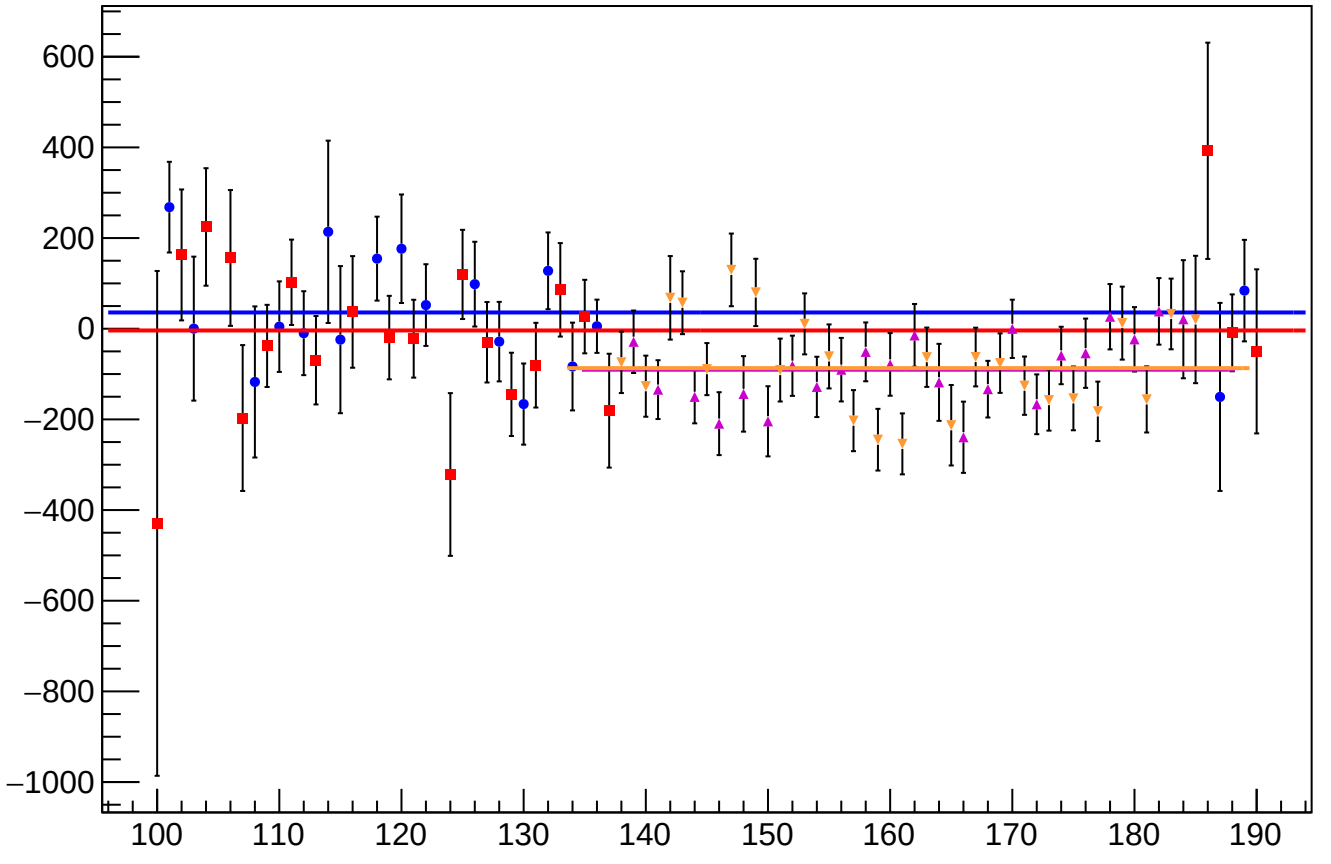
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 492.098+/-0.089 χ^2/NDF: 3151777.7/39

In: 359.853+/-0.051 χ^2/NDF:2741720.3/40

Out: 362.941+/-0.050 χ^2/NDF:3947751.4/46

All: 361.433+/-0.036 χ^2/NDF: 6691338.3/87



Right In: 35.867+/-23.750 χ^2/NDF: 20.6/17

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.821+/-23.285 χ^2/NDF: 23.2/21

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

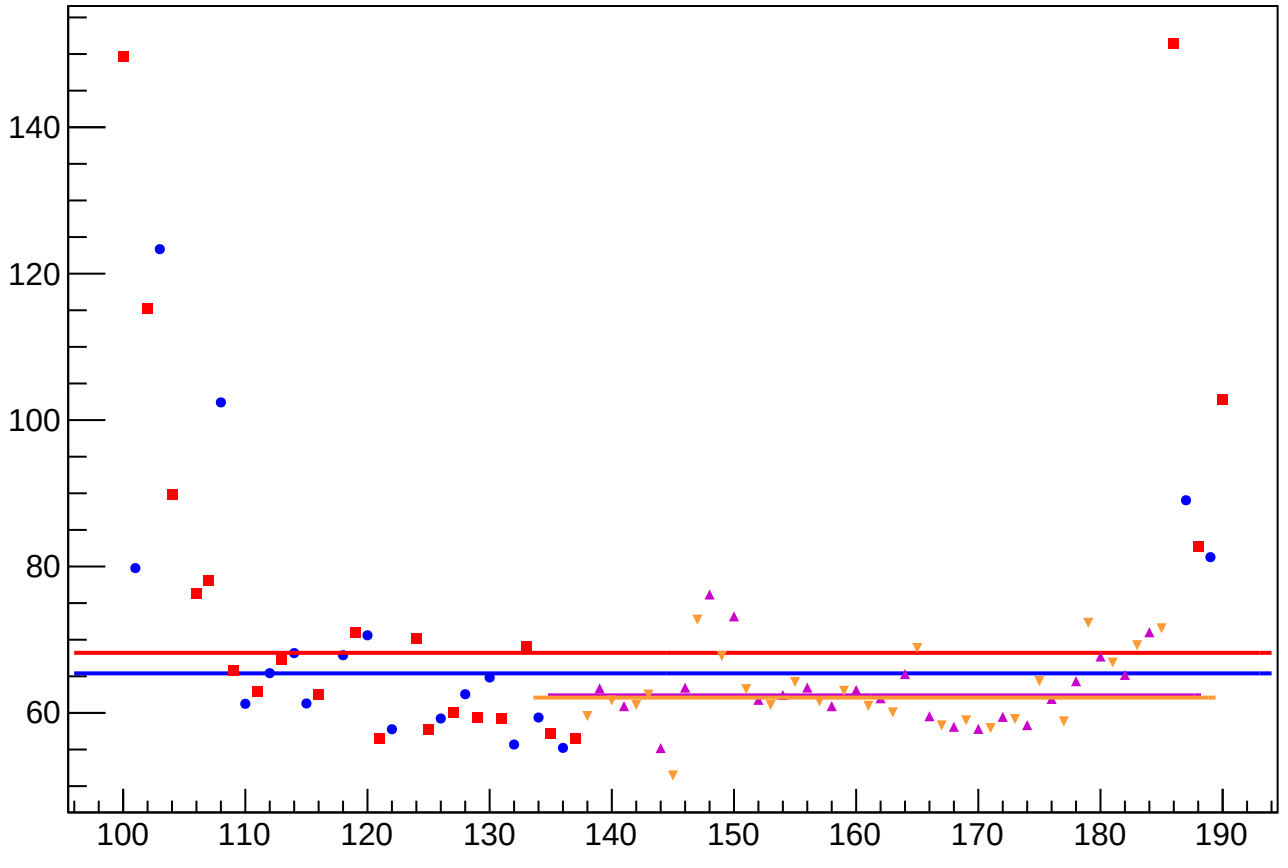
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 15.631+/-16.627 χ^2/NDF: 45.3/39

In: -55.548+/-12.473 χ^2/NDF:66.1/40

Out: -64.479+/-12.108 χ^2/NDF:81.3/46

All: -60.146+/-8.688 χ^2/NDF: 147.7/87



Right In: 65.404+/-0.017 χ^2/NDF: 602204.8/17

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 68.208+/-0.016 χ^2/NDF: 882560.0/21

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

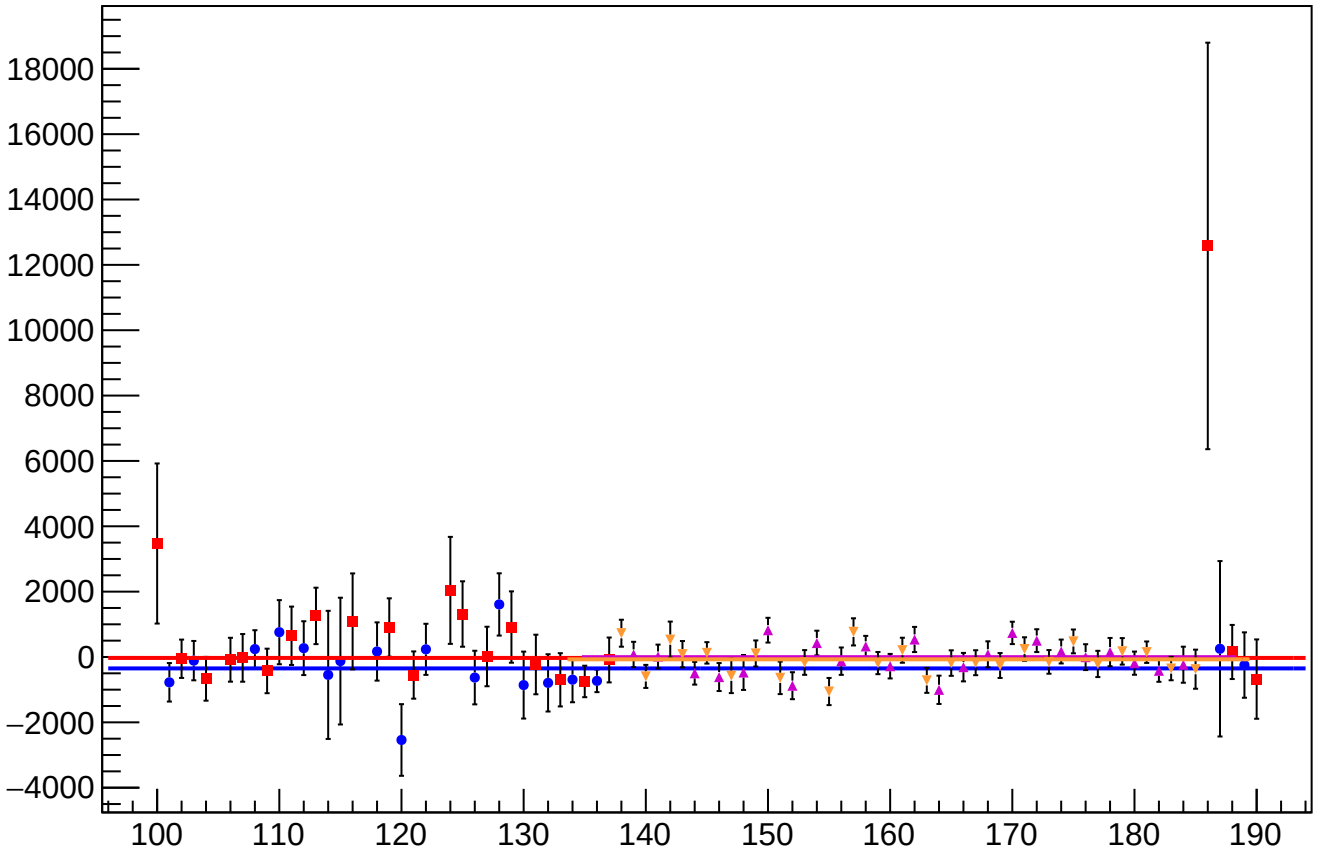
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 66.834+/-0.012 χ^2/NDF: 1498986.6/39

In: 63.225+/-0.009 χ^2/NDF:814263.0/40

Out: 63.747+/-0.009 χ^2/NDF:1216552.2/46

All: 63.494+/-0.006 χ^2/NDF: 2032616.6/87



Right In: -349.485+/-177.089 χ^2/NDF: 14.9/17

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -28.774+/-175.416 χ^2/NDF: 19.8/21

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

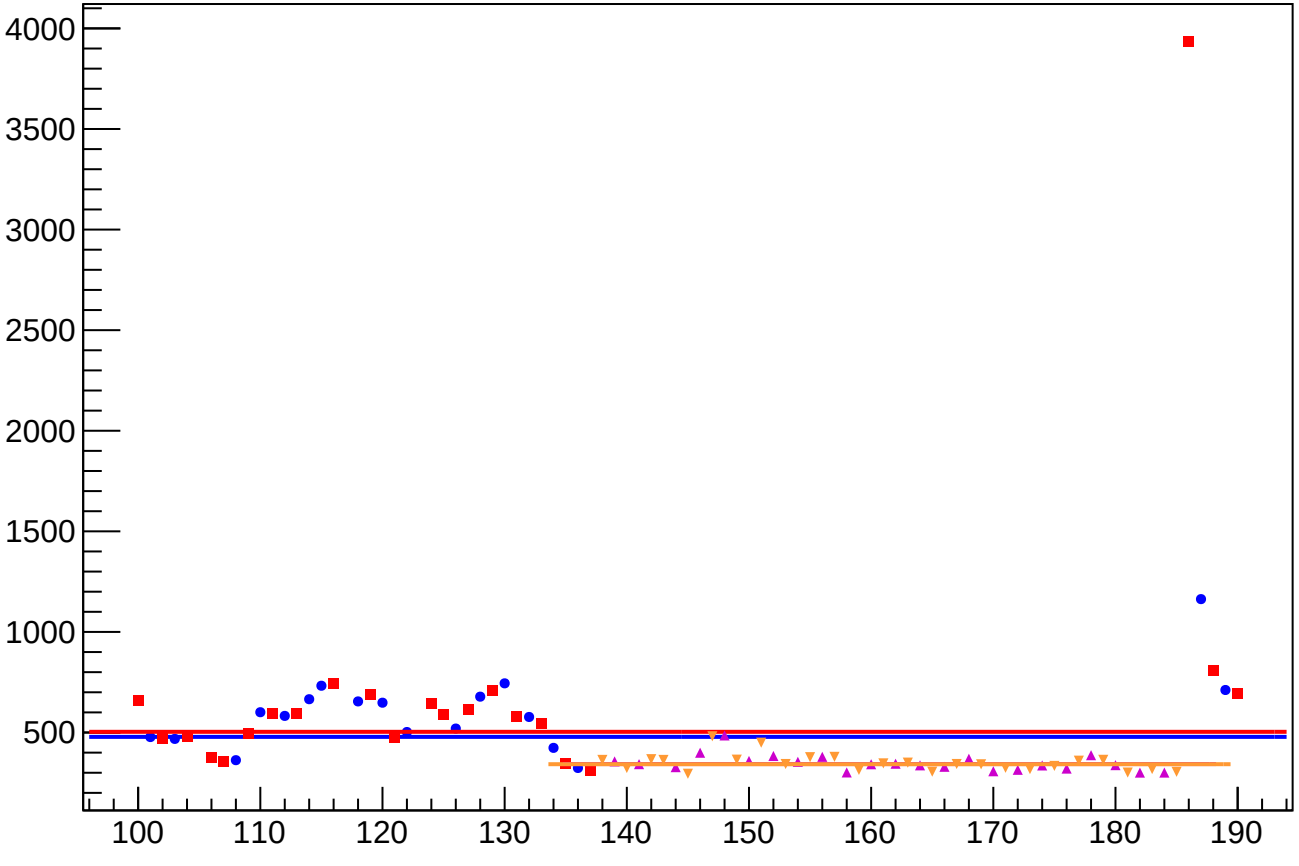
Right: -187.608+/-124.625 χ^2/NDF: 36.4/39

In: -65.248+/-73.480 χ^2/NDF:52.0/40

Out: -64.240+/-71.576 χ^2/NDF:48.5/46

All: -64.731+/-51.272 χ^2/NDF: 100.4/87

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 478.334+/-0.125 χ^2/NDF: 1231581.2/17

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 503.486+/-0.124 χ^2/NDF: 1813376.7/21

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

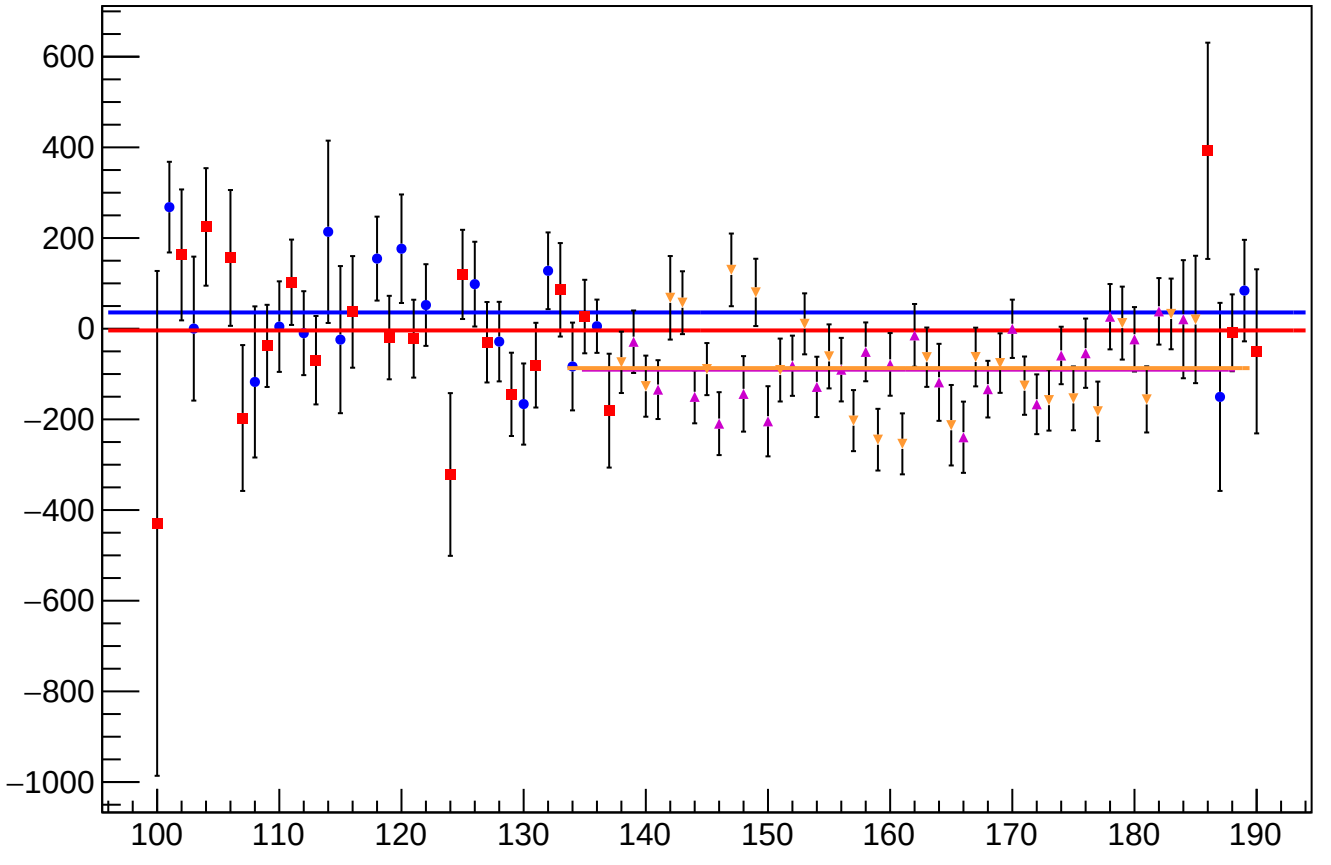
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 491.029+/-0.088 χ^2/NDF: 3065321.8/39

In: 366.503+/-0.052 χ^2/NDF:2568026.7/40

Out: 369.305+/-0.051 χ^2/NDF:3651572.4/46

All: 367.941+/-0.036 χ^2/NDF: 6221091.5/87



Right In: 35.867+/-23.750 χ^2/NDF: 20.6/17

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.821+/-23.285 χ^2/NDF: 23.2/21

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

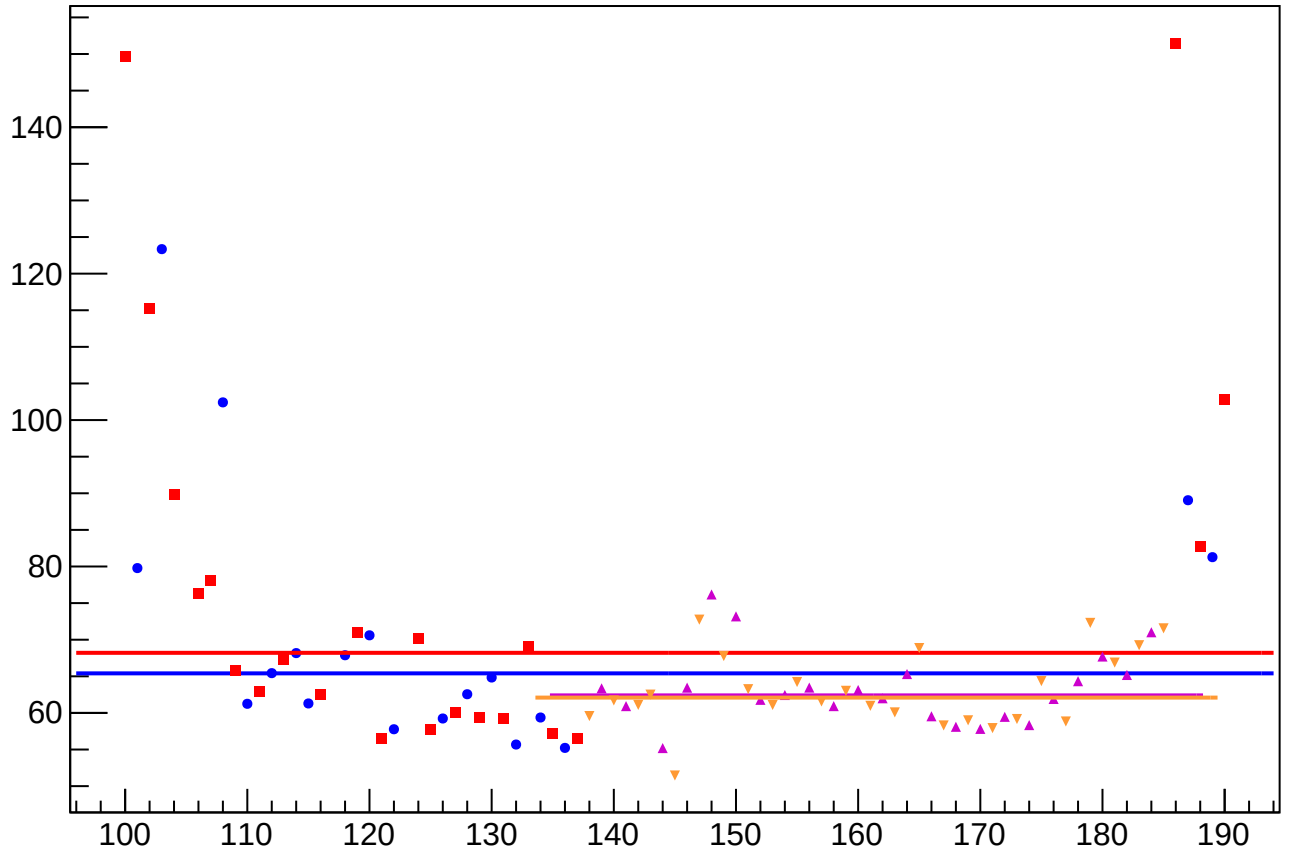
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 15.631+/-16.627 χ^2/NDF: 45.3/39

In: -55.548+/-12.473 χ^2/NDF:66.1/40

Out: -64.479+/-12.108 χ^2/NDF:81.3/46

All: -60.146+/-8.688 χ^2/NDF: 147.7/87



Right In: 65.404+/-0.017 χ^2/NDF: 602215.4/17

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 68.208+/-0.016 χ^2/NDF: 882559.4/21

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

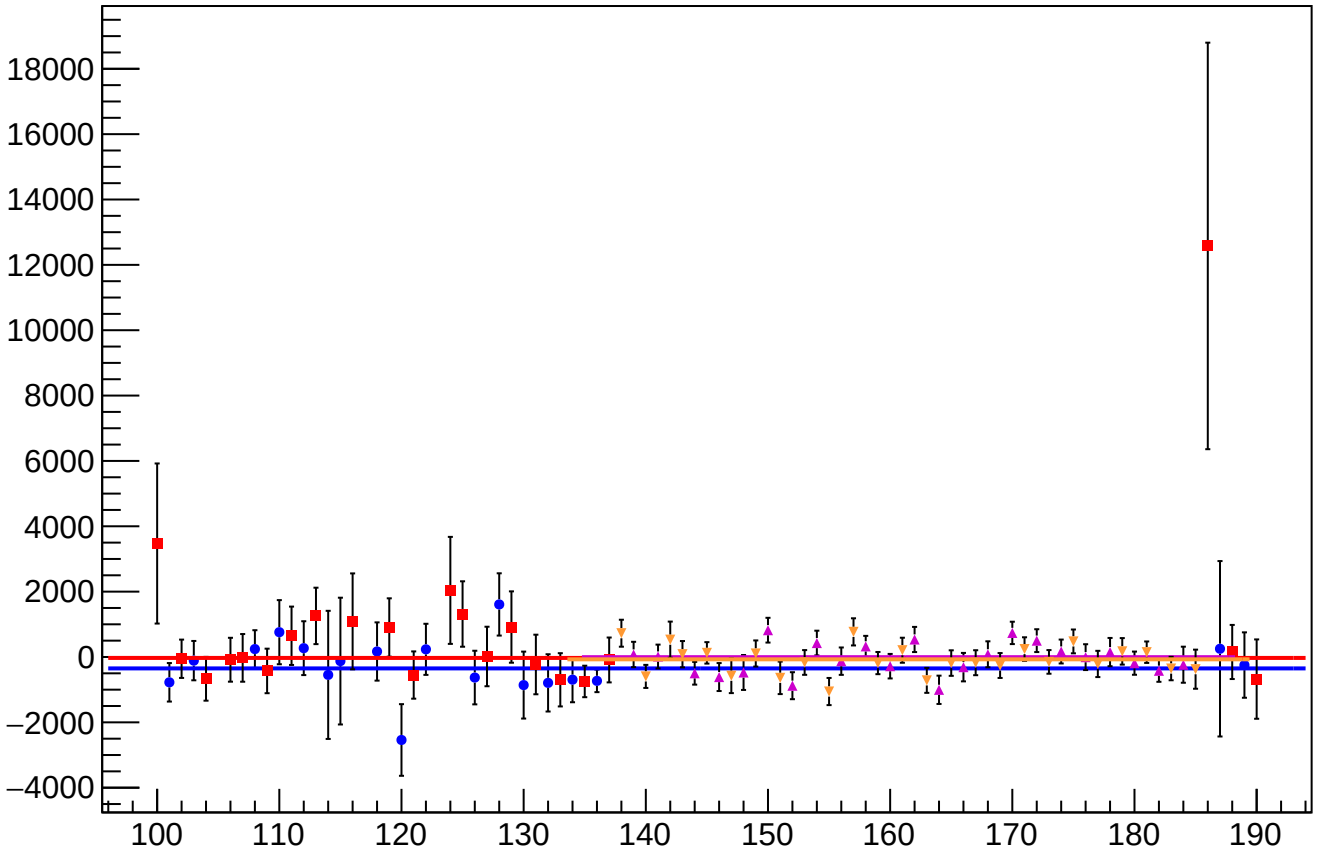
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 66.834+/-0.012 χ^2/NDF: 1498996.9/39

In: 63.225+/-0.009 χ^2/NDF:814274.8/40

Out: 63.747+/-0.009 χ^2/NDF:1216553.4/46

All: 63.494+/-0.006 χ^2/NDF: 2032629.6/87



Right In: -349.485+/-177.089 χ^2/NDF: 14.9/17

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -28.774+/-175.416 χ^2/NDF: 19.8/21

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

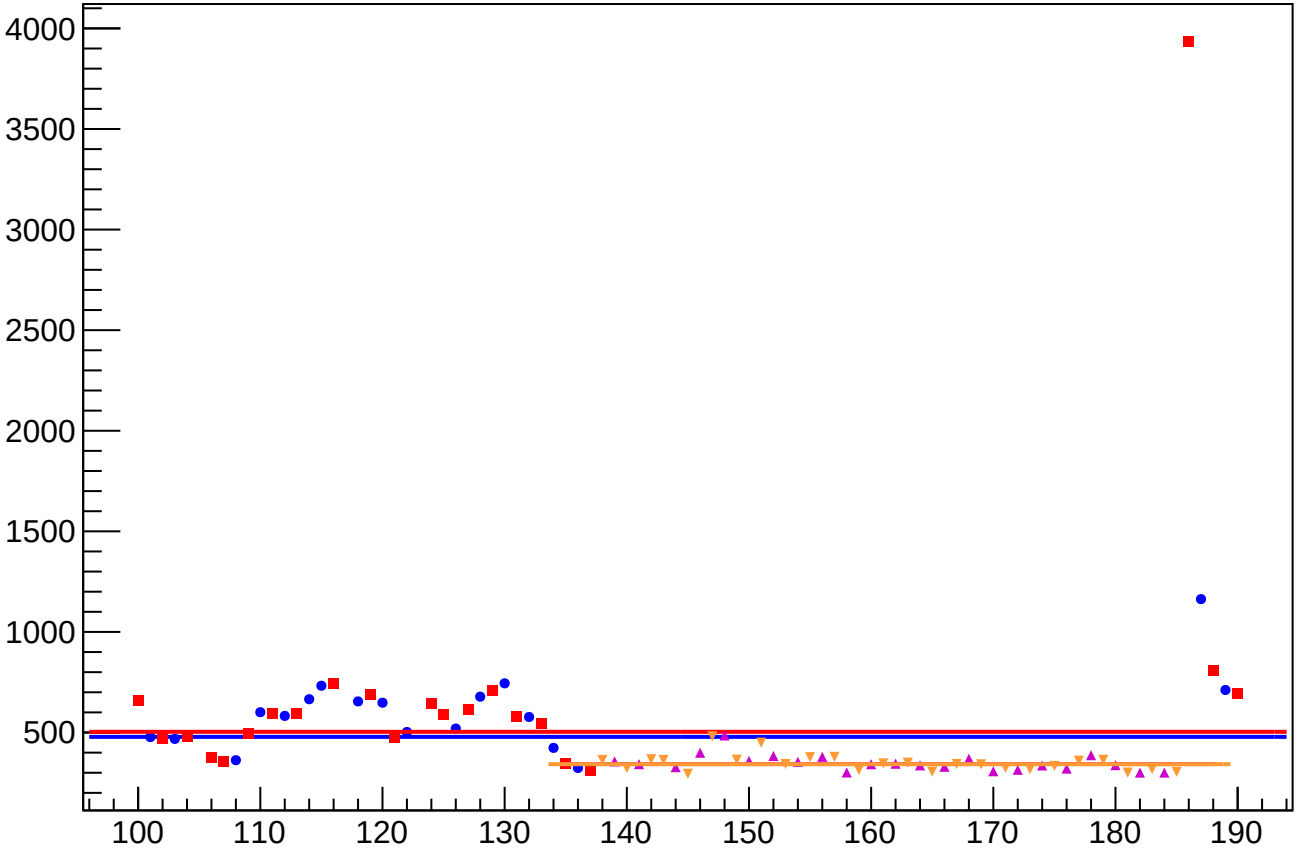
Right: -187.607+/-124.625 χ^2/NDF: 36.4/39

In: -65.248+/-73.480 χ^2/NDF:52.0/40

Out: -64.240+/-71.576 χ^2/NDF:48.5/46

All: -64.731+/-51.272 χ^2/NDF: 100.4/87

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 478.333+/-0.125 χ^2/NDF: 1231584.3/17

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 503.485+/-0.124 χ^2/NDF: 1813377.5/21

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

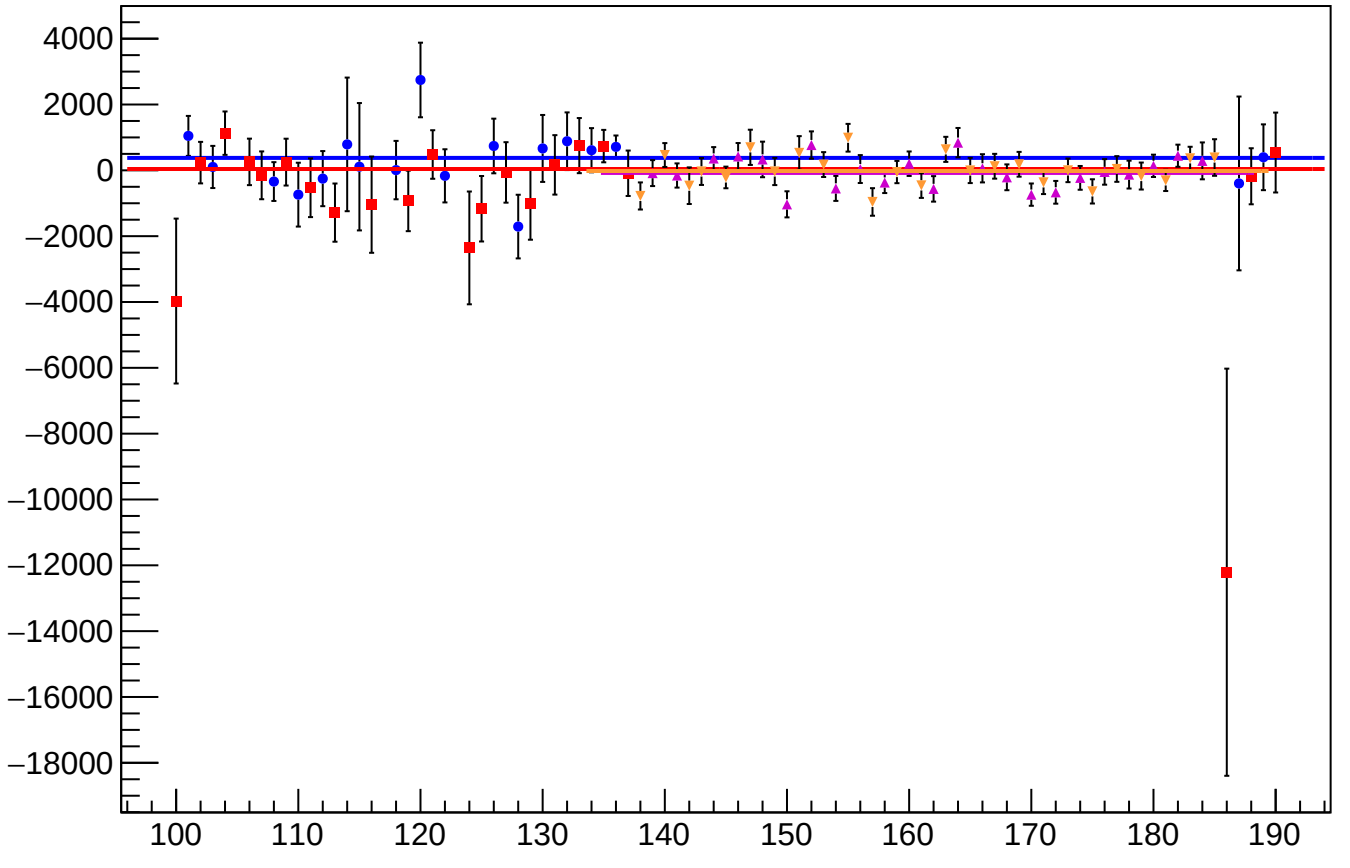
Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

Right: 491.029+/-0.088 χ^2/NDF: 3065325.4/39

In: 366.503+/-0.052 χ^2/NDF:2568023.3/40

Out: 369.305+/-0.051 χ^2/NDF:3651565.0/46

All: 367.941+/-0.036 χ^2/NDF: 6221080.6/87



Right In: 378.016+/-179.265 χ^2/NDF: 16.2/17

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 40.607+/-178.970 χ^2/NDF: 21.6/21

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

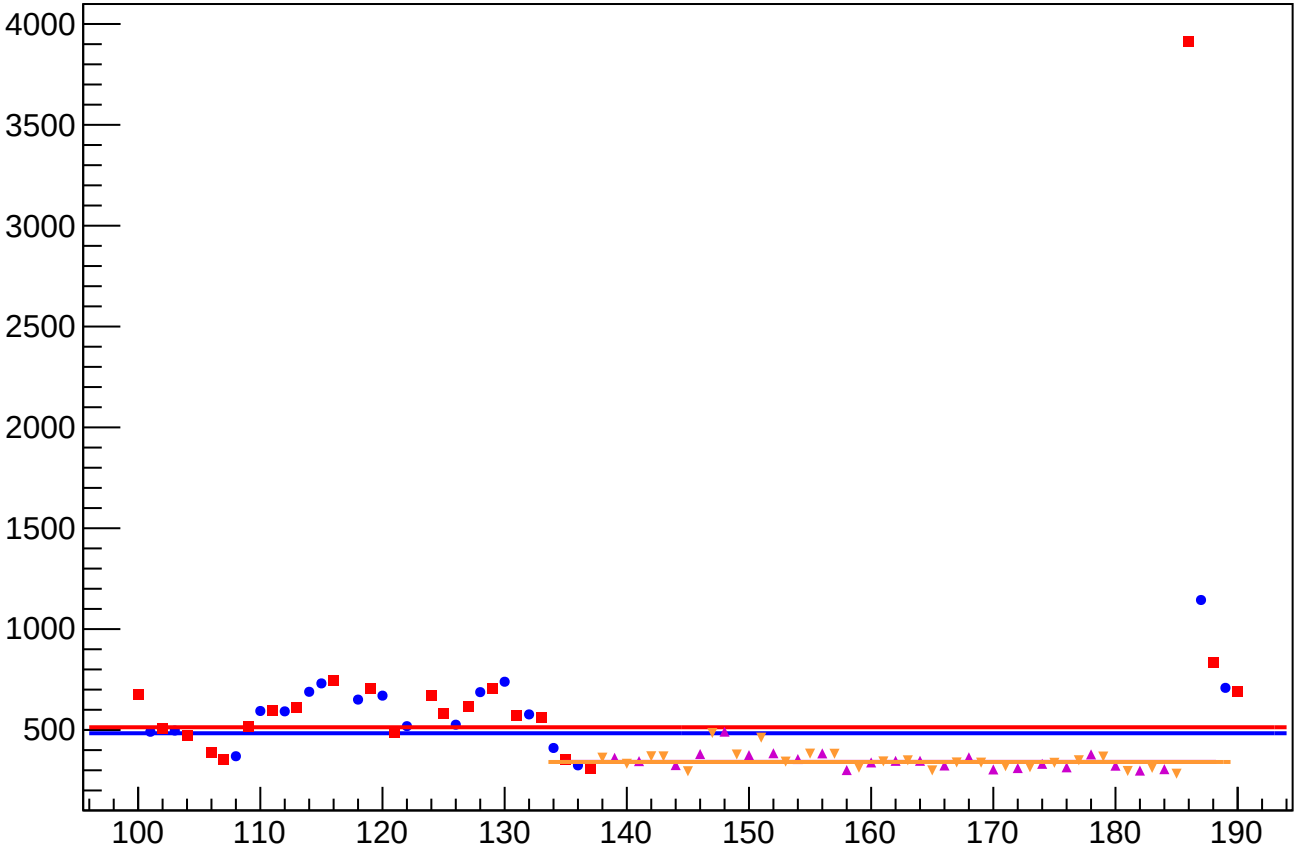
Right: 209.034+/-126.655 χ^2/NDF: 39.6/39

In: -2.216+/-73.367 χ^2/NDF:54.5/40

Out: -10.513+/-71.655 χ^2/NDF:53.2/46

All: -6.463+/-51.263 χ^2/NDF: 107.7/87

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 483.603+/-0.127 χ^2/NDF: 1233767.0/17

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 513.346+/-0.127 χ^2/NDF: 1803734.8/21

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

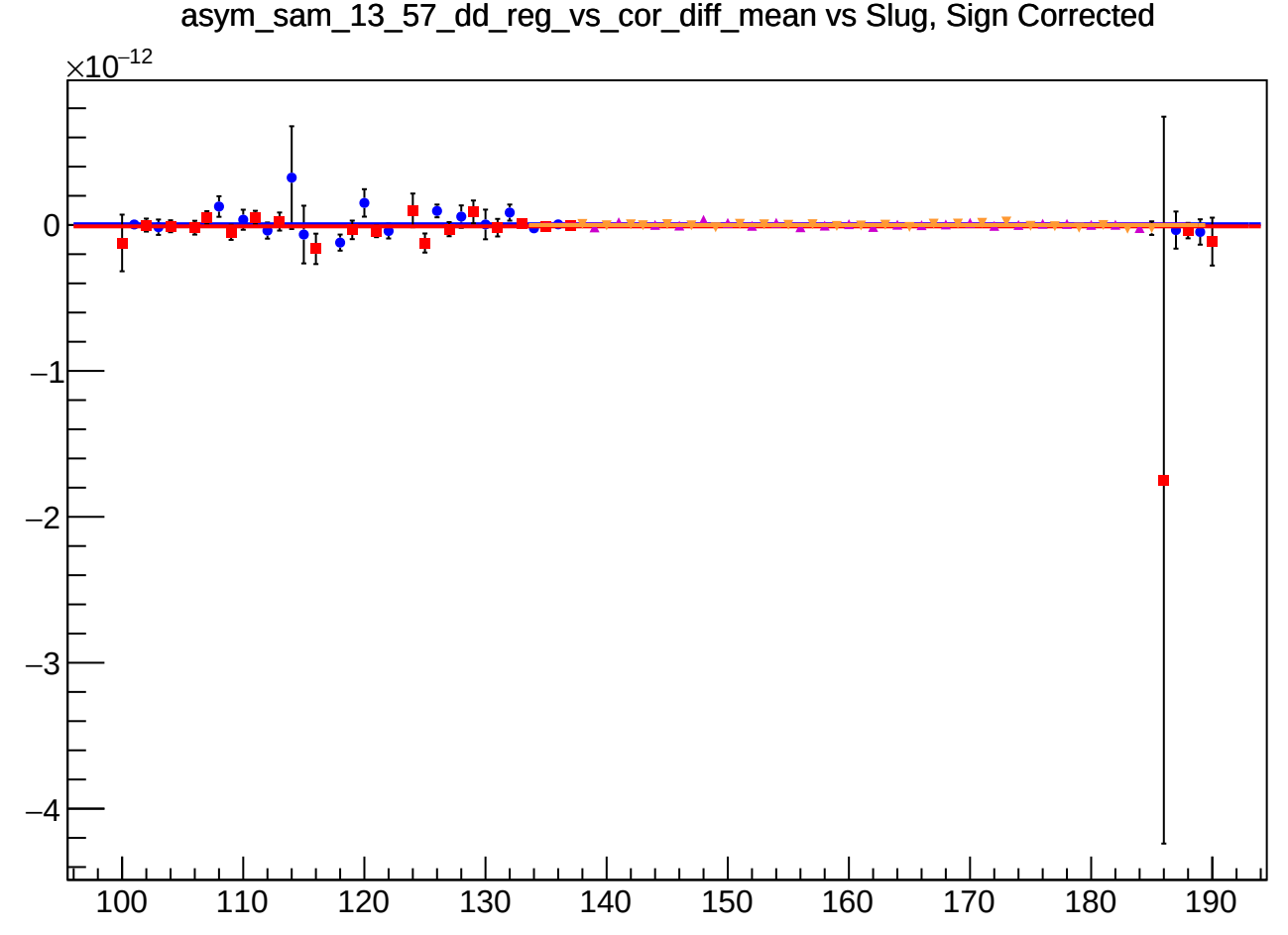
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 498.499+/-0.090 χ^2/NDF: 3065074.8/39

In: 365.404+/-0.052 χ^2/NDF:2675089.3/40

Out: 368.794+/-0.051 χ^2/NDF:3868373.6/46

All: 367.139+/-0.036 χ^2/NDF: 6545648.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/21

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

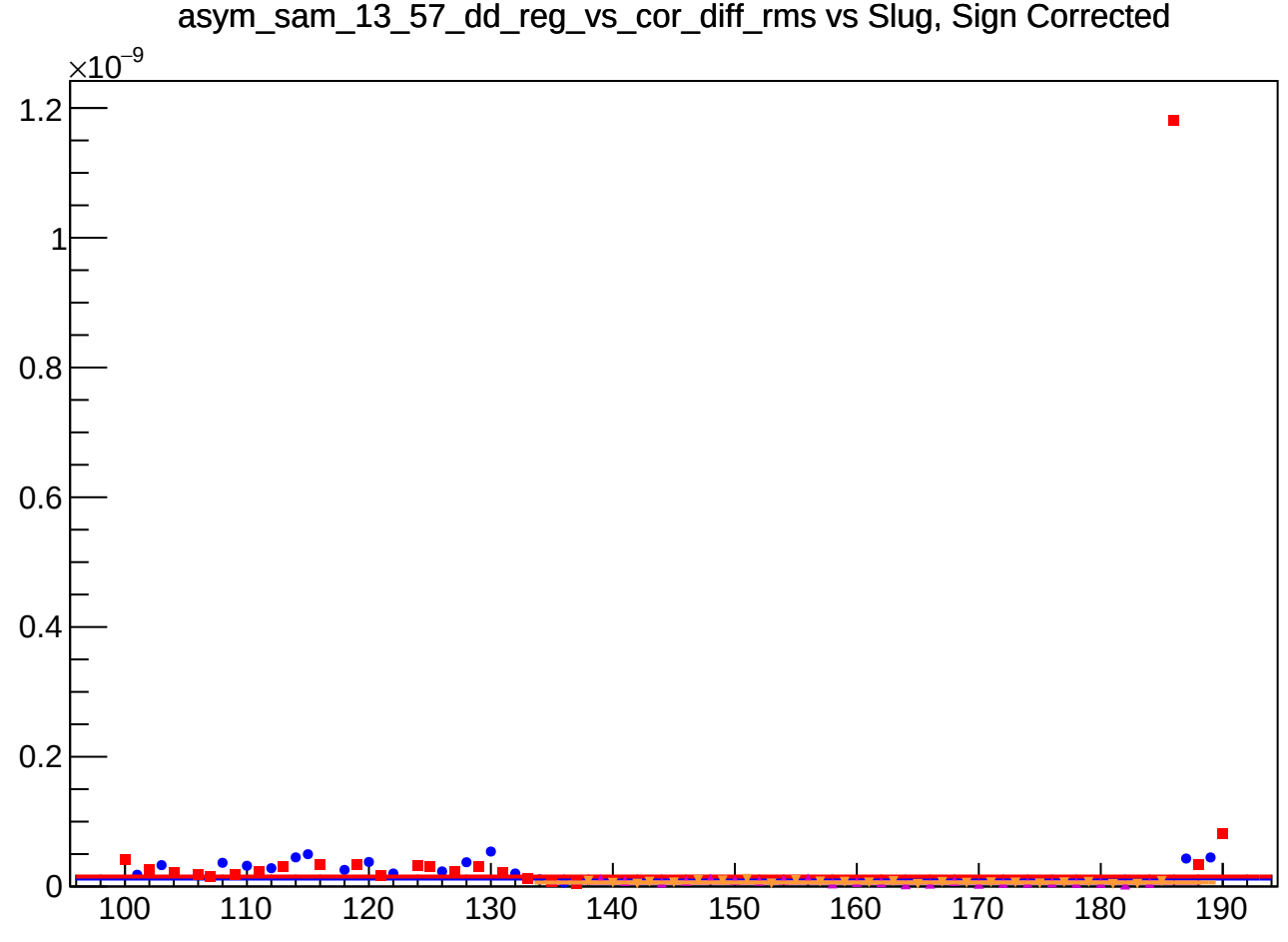
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 38.2/39

In: 0.000+/-0.000 χ^2/NDF:36.1/40

Out: -0.000+/-0.000 χ^2/NDF:35.3/46

All: 0.000+/-0.000 χ^2/NDF: 72.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 3251650.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2800360.8/21

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

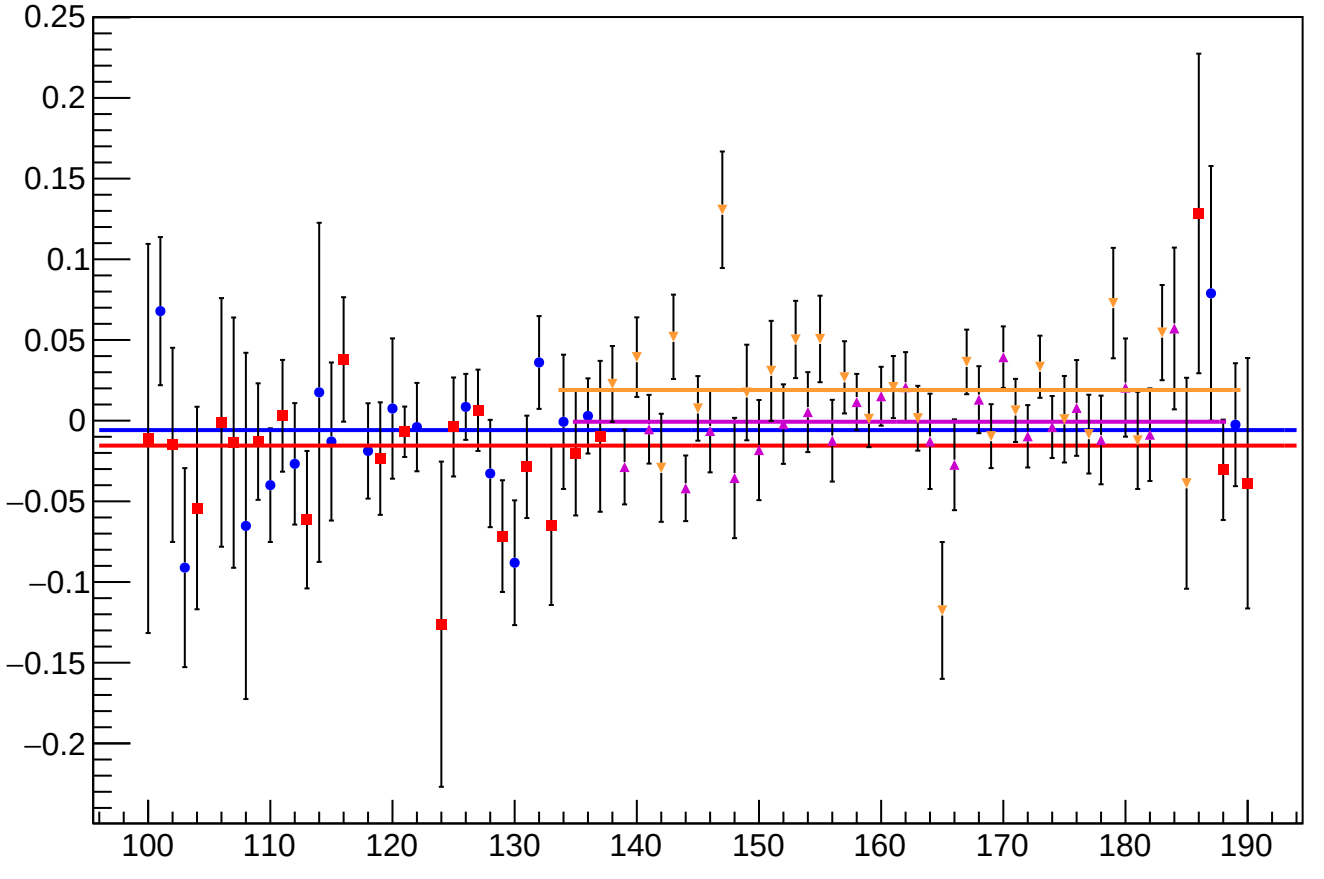
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6180214.4/39

In: 0.000+/-0.000 χ^2/NDF:6008212.4/40

Out: 0.000+/-0.000 χ^2/NDF:5844368.2/46

All: 0.000+/-0.000 χ^2/NDF: 11860215.9/87



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.5/21

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

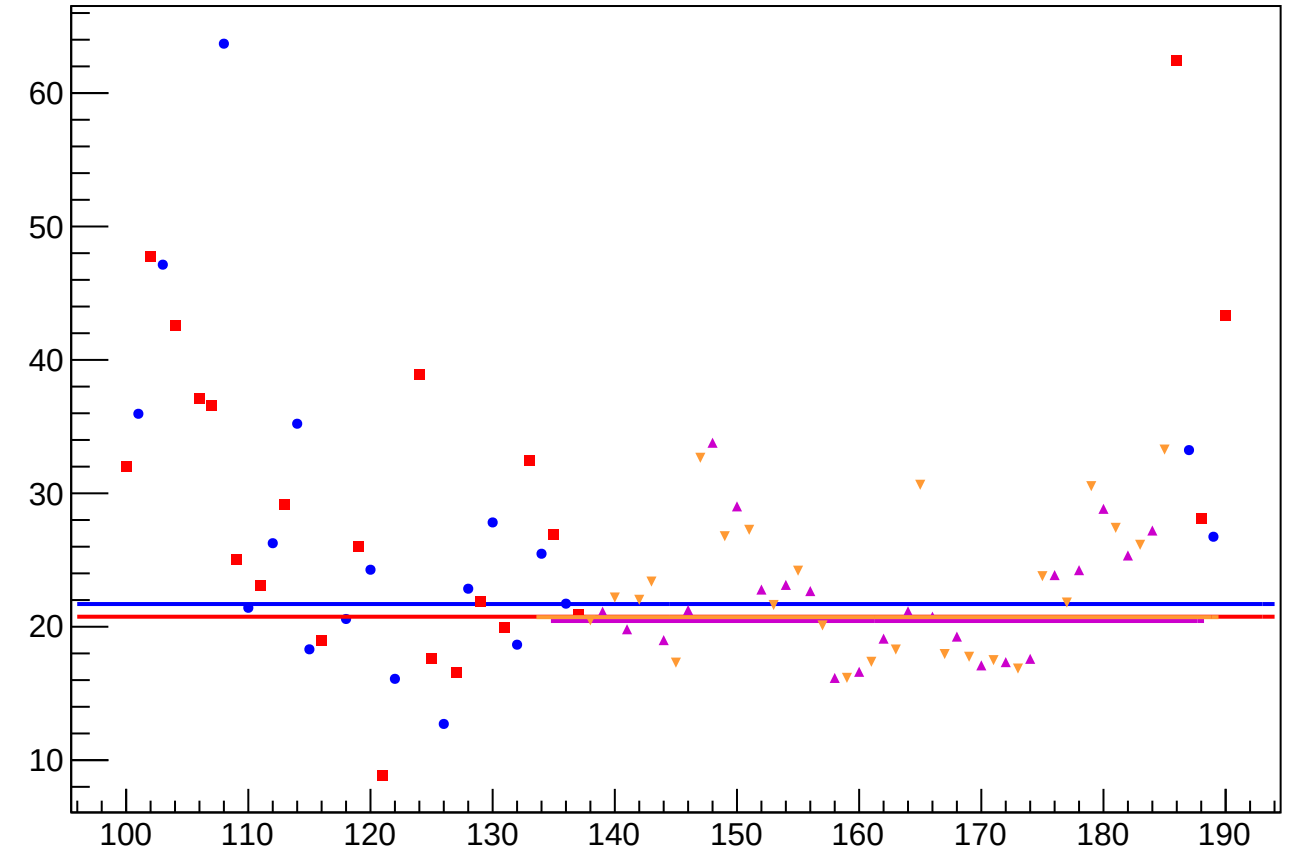
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.7/39

In: -0.002+/-0.004 χ^2/NDF:33.5/40

Out: 0.009+/-0.004 χ^2/NDF:67.5/46

All: 0.004+/-0.003 χ^2/NDF: 104.7/87



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 20.751+/-0.006 χ^2/NDF: 3106667.2/21

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

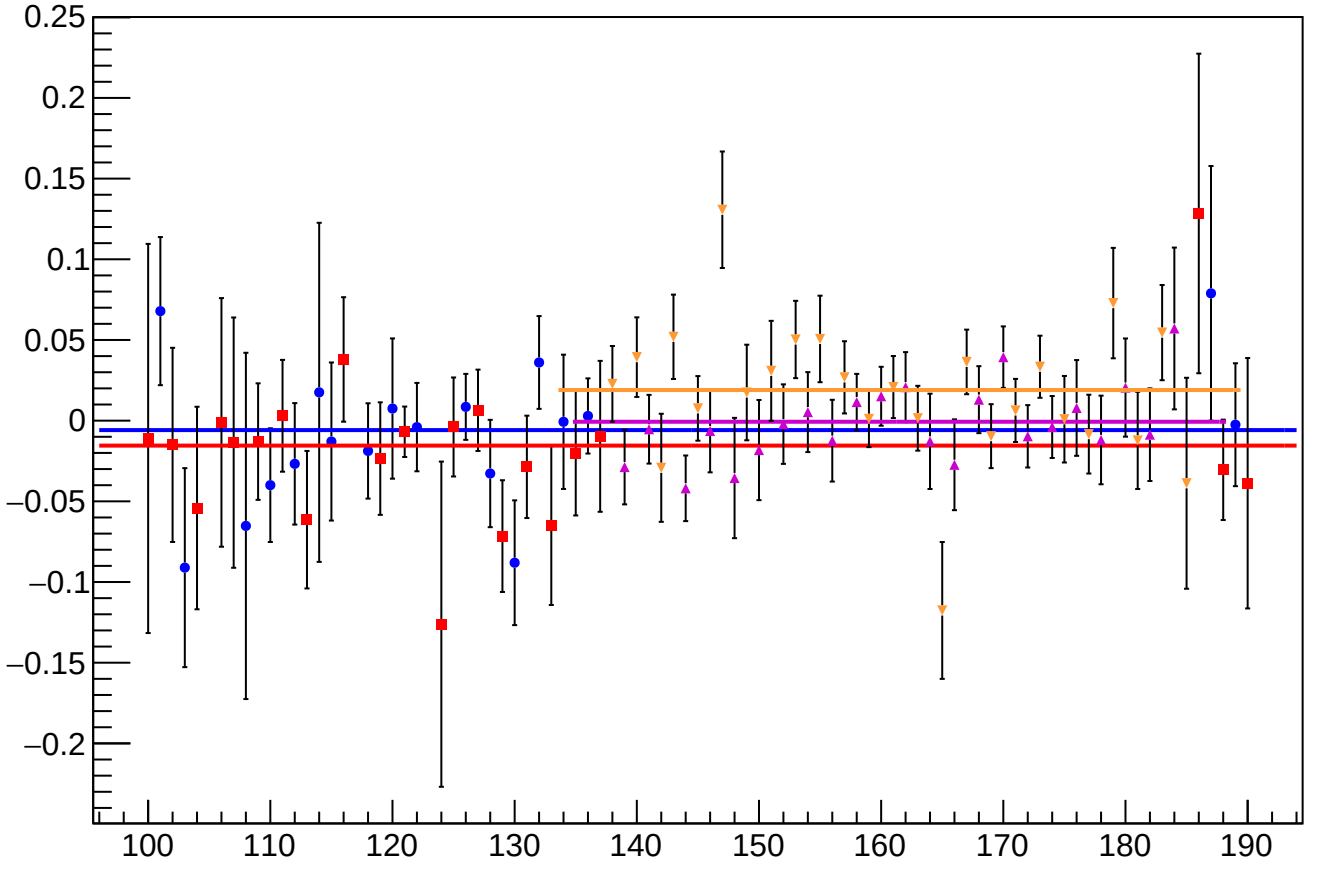
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.199+/-0.004 χ^2/NDF: 4681821.4/39

In: 20.758+/-0.003 χ^2/NDF:2769794.2/40

Out: 20.727+/-0.003 χ^2/NDF:4613067.2/46

All: 20.742+/-0.002 χ^2/NDF: 7382914.3/87



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.5/21

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

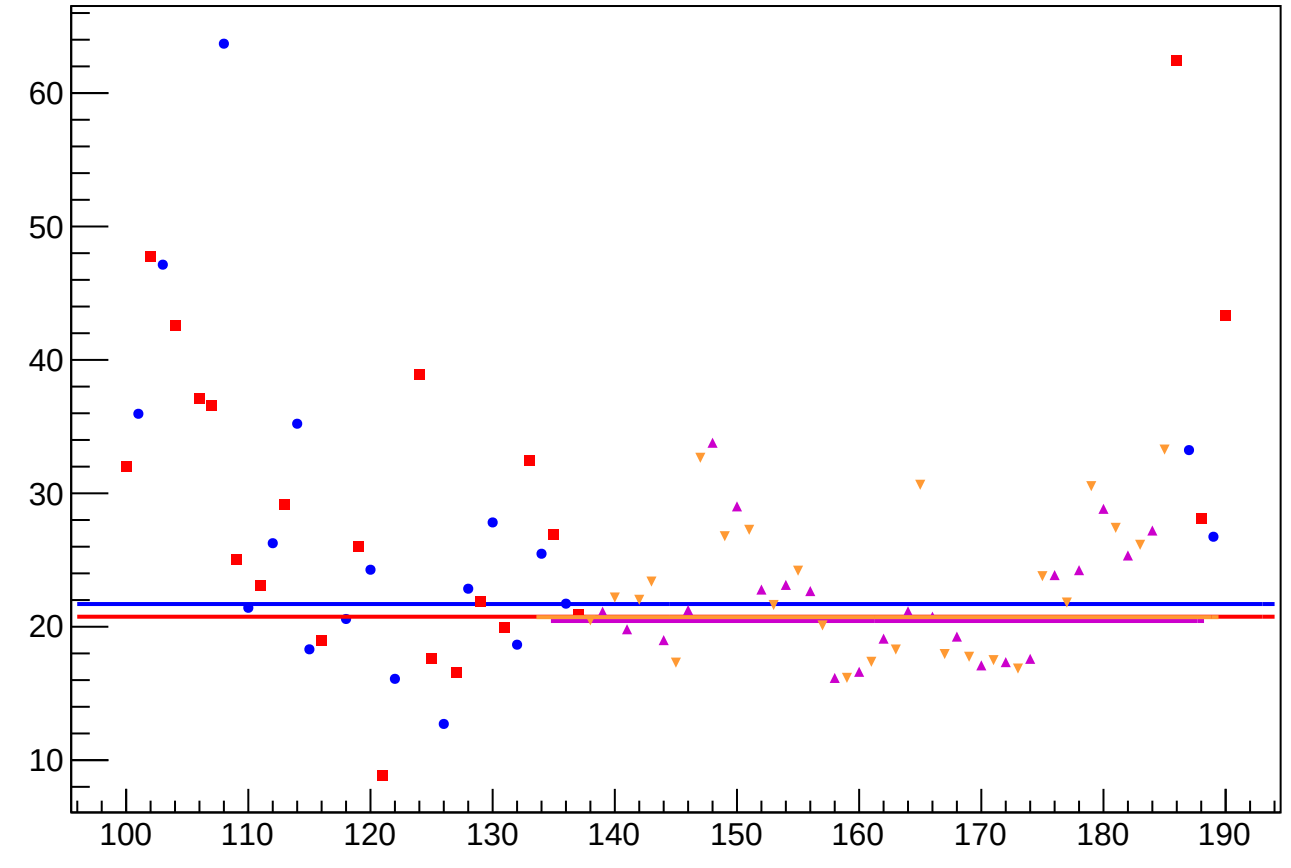
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.7/39

In: -0.002+/-0.004 χ^2/NDF:33.5/40

Out: 0.009+/-0.004 χ^2/NDF:67.5/46

All: 0.004+/-0.003 χ^2/NDF: 104.7/87



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 20.751+/-0.006 χ^2/NDF: 3106667.2/21

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

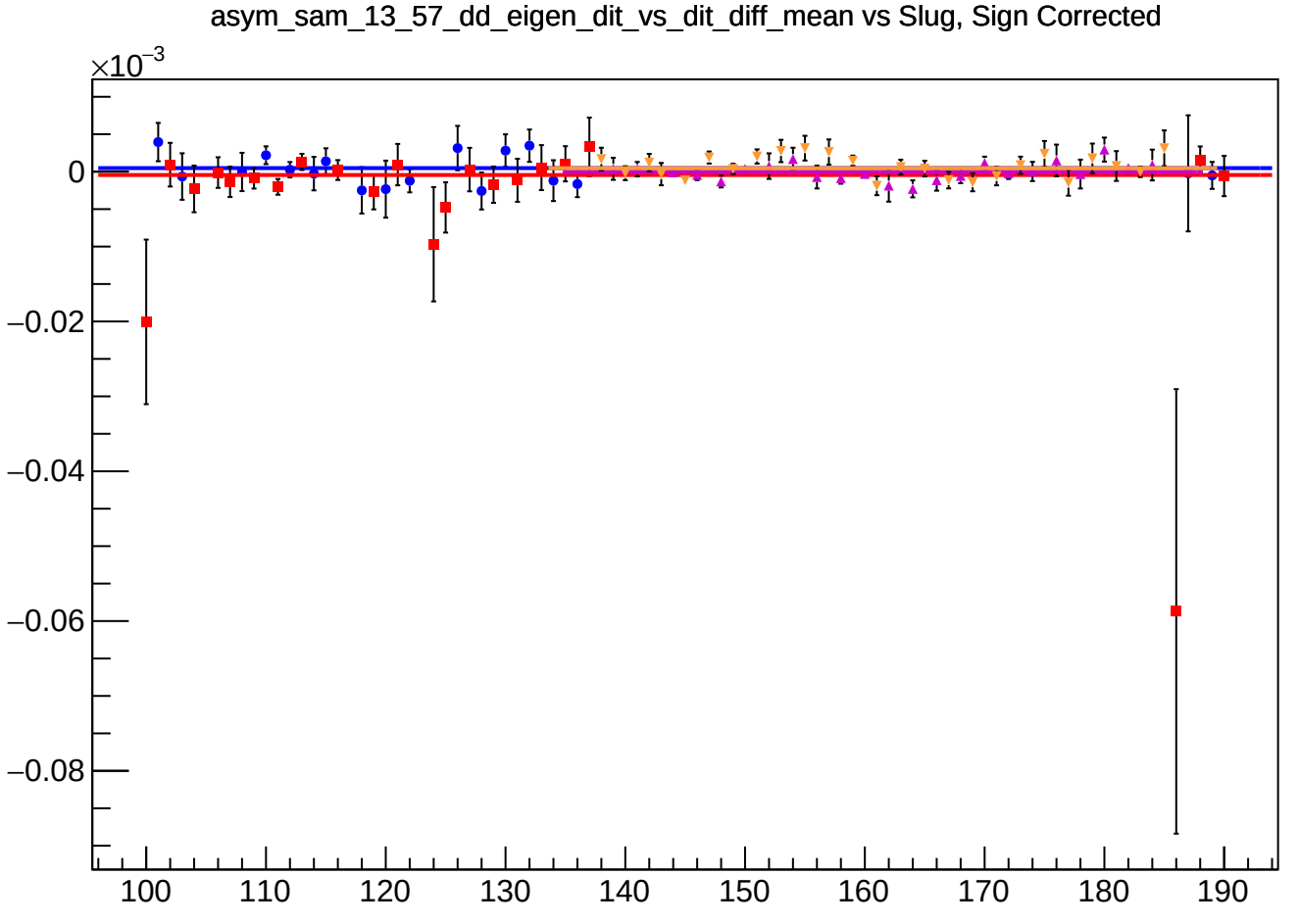
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.199+/-0.004 χ^2/NDF: 4681821.4/39

In: 20.758+/-0.003 χ^2/NDF:2769794.2/40

Out: 20.727+/-0.003 χ^2/NDF:4613067.2/46

All: 20.742+/-0.002 χ^2/NDF: 7382914.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/21

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

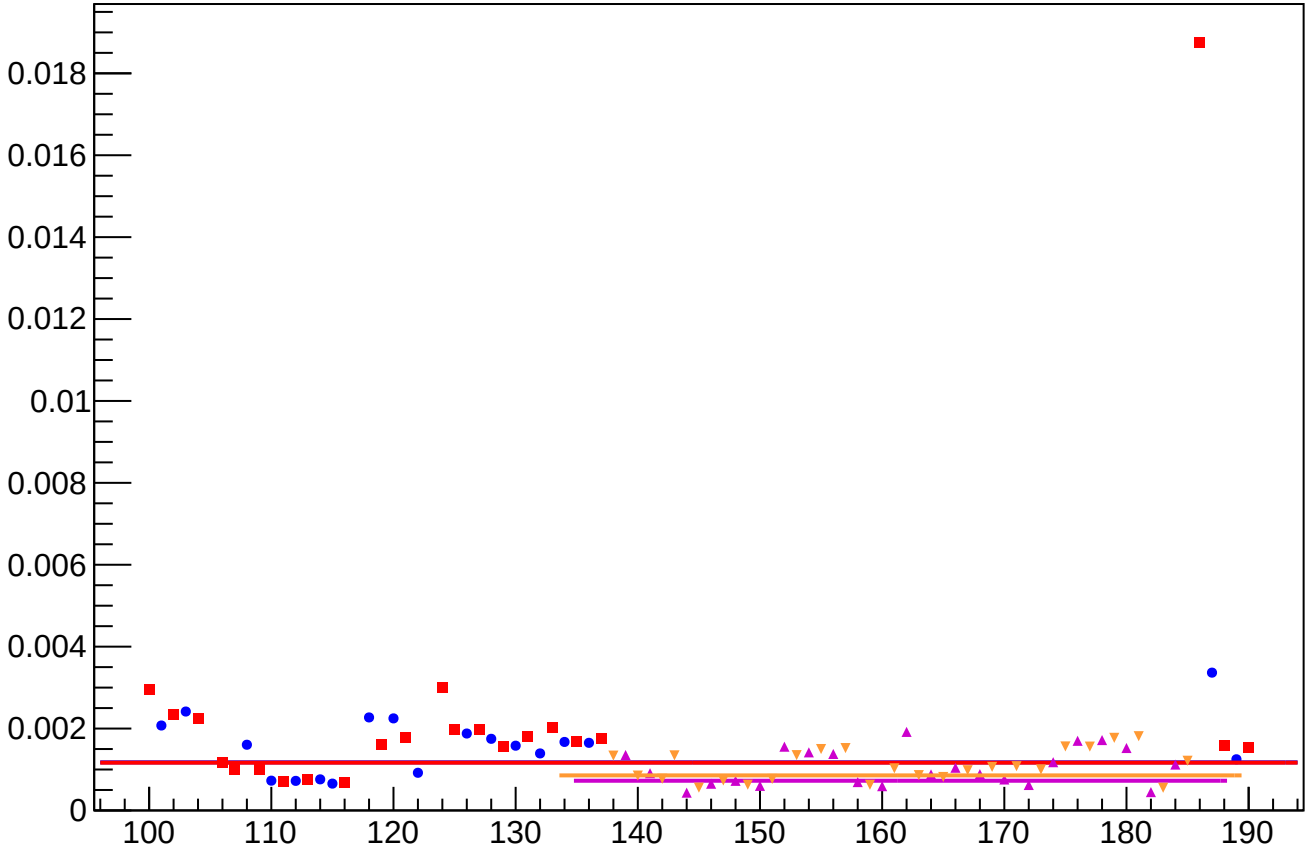
Right: -0.000+/-0.000 χ^2/NDF: 37.2/39

In: 0.000+/-0.000 χ^2/NDF:35.6/40

Out: 0.000+/-0.000 χ^2/NDF:60.6/46

All: 0.000+/-0.000 χ^2/NDF: 97.4/87

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2699605.0/17

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3486792.2/21

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

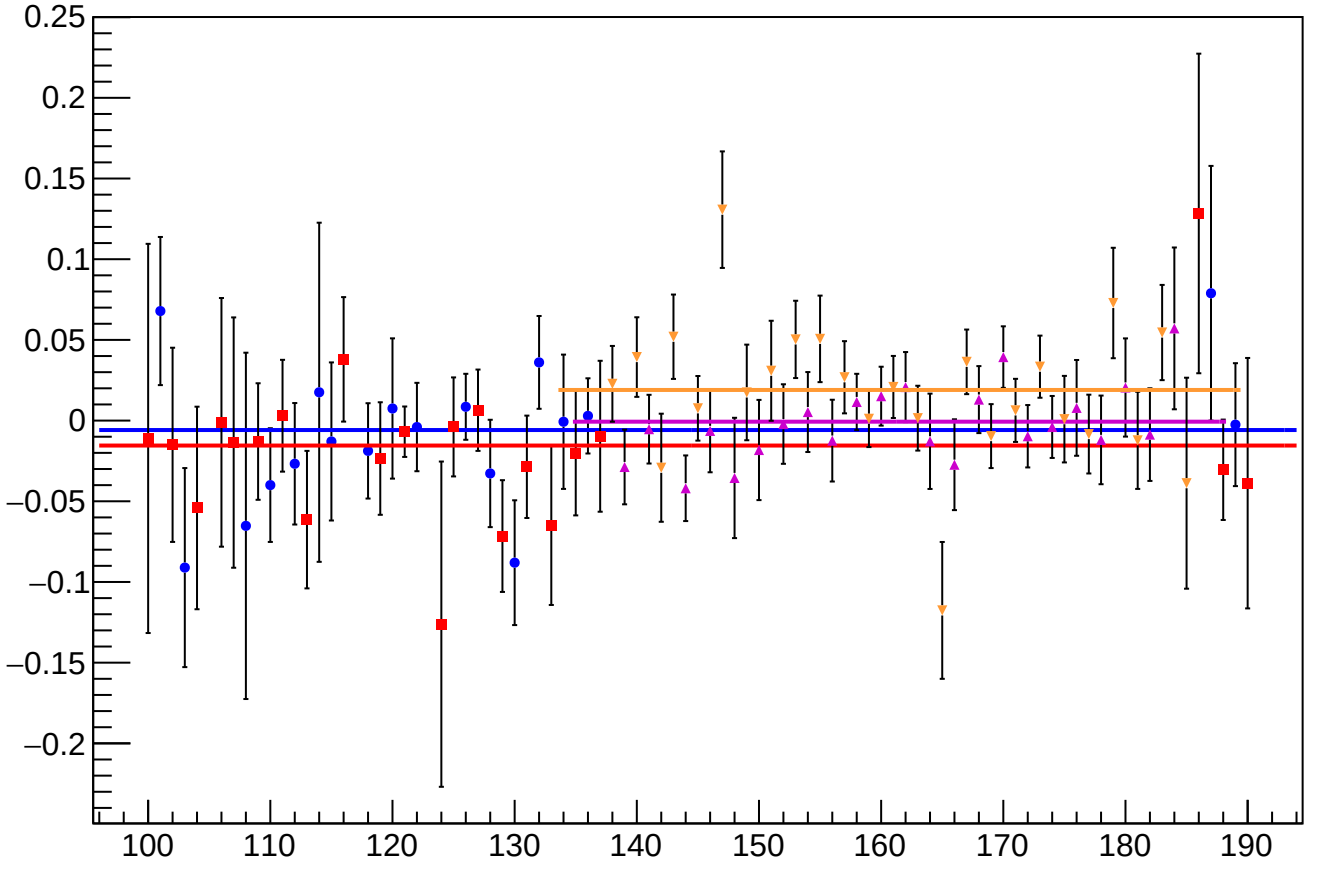
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 6186663.6/39

In: 0.001+/-0.000 χ^2/NDF:10127398.9/40

Out: 0.001+/-0.000 χ^2/NDF:8738743.1/46

All: 0.001+/-0.000 χ^2/NDF: 19343650.9/87



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.5/21

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

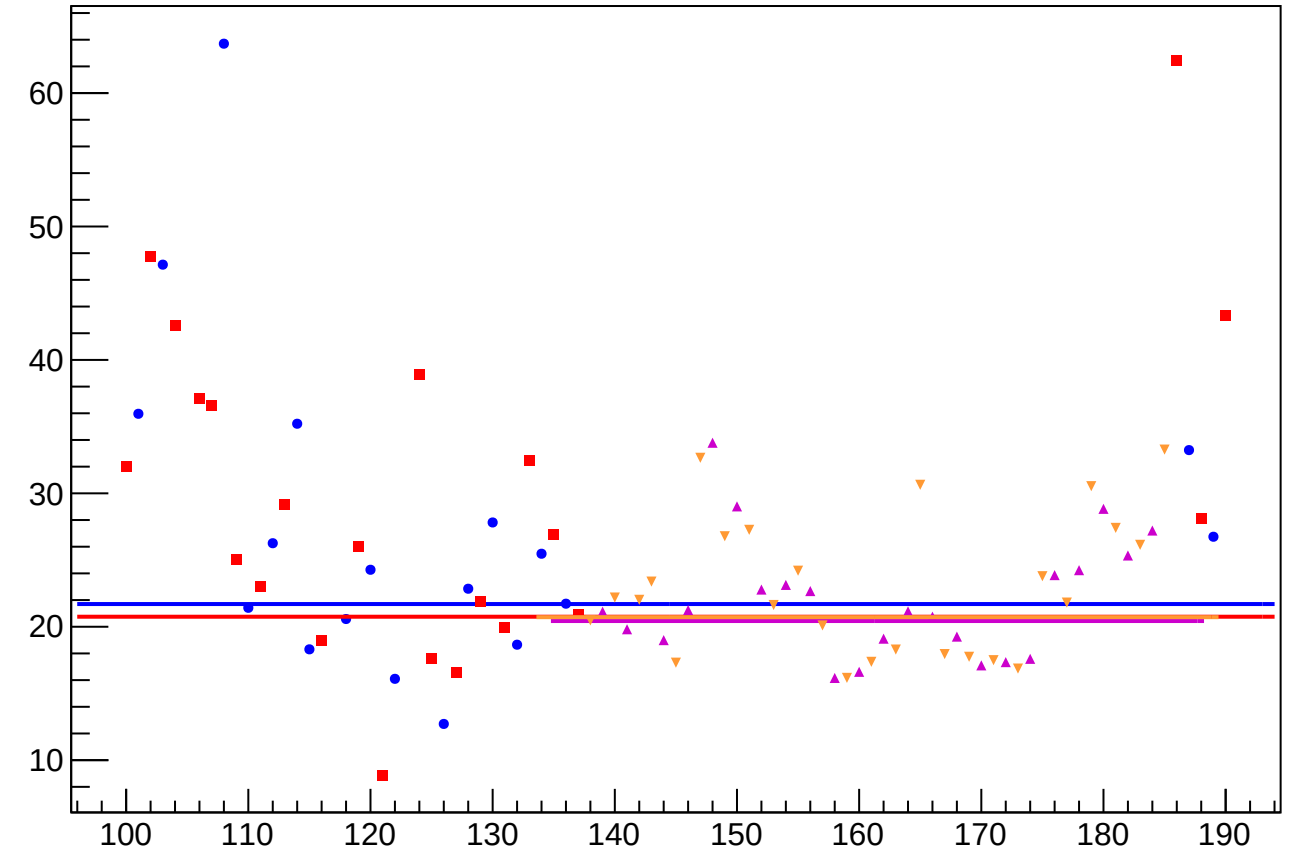
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.7/39

In: -0.002+/-0.004 χ^2/NDF:33.5/40

Out: 0.009+/-0.004 χ^2/NDF:67.5/46

All: 0.004+/-0.003 χ^2/NDF: 104.7/87



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 20.752+/-0.006 χ^2/NDF: 3106208.7/21

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

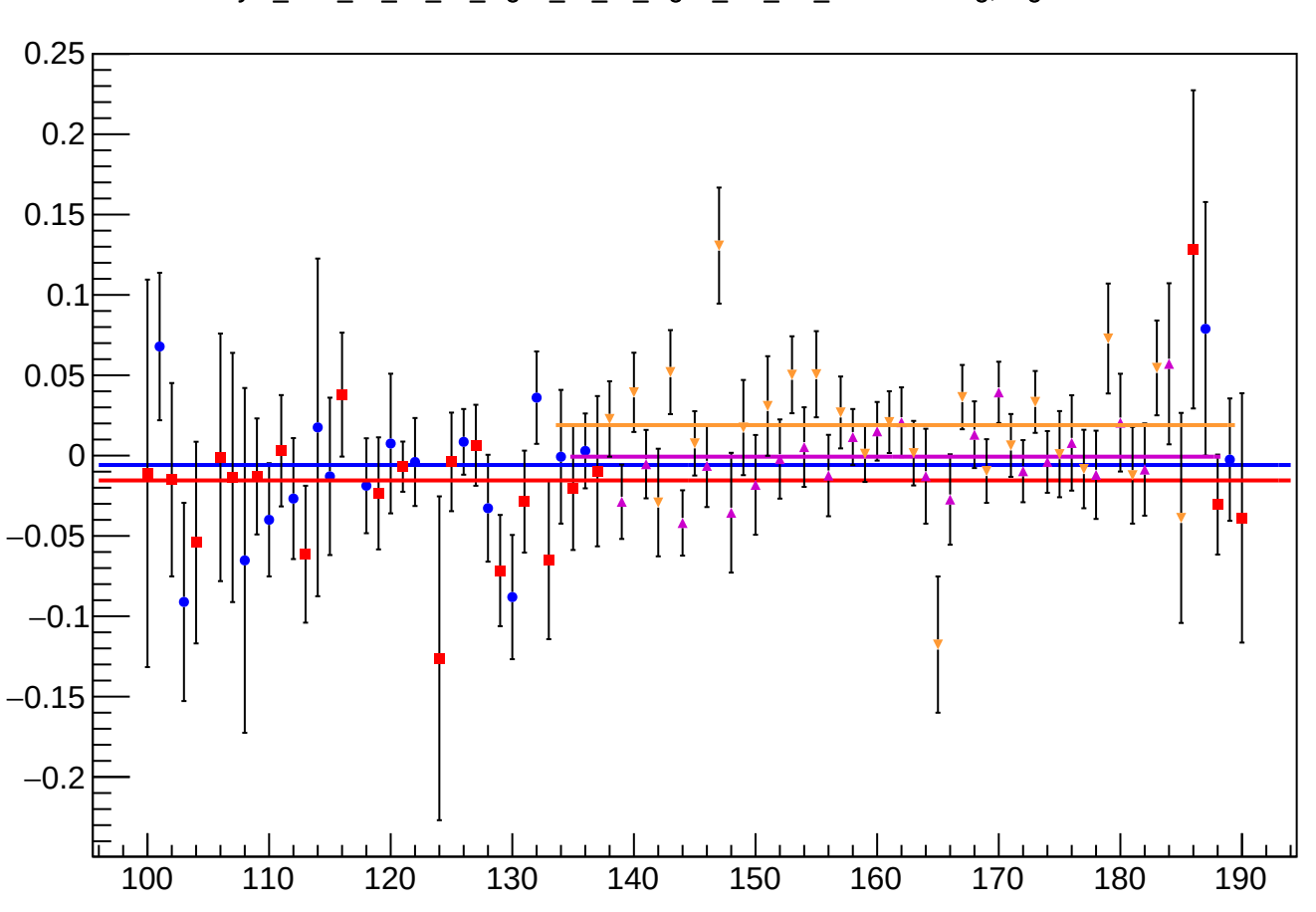
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.199+/-0.004 χ^2/NDF: 4681193.7/39

In: 20.758+/-0.003 χ^2/NDF:2769695.8/40

Out: 20.727+/-0.003 χ^2/NDF:4612711.7/46

All: 20.742+/-0.002 χ^2/NDF: 7382460.2/87



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.5/21

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

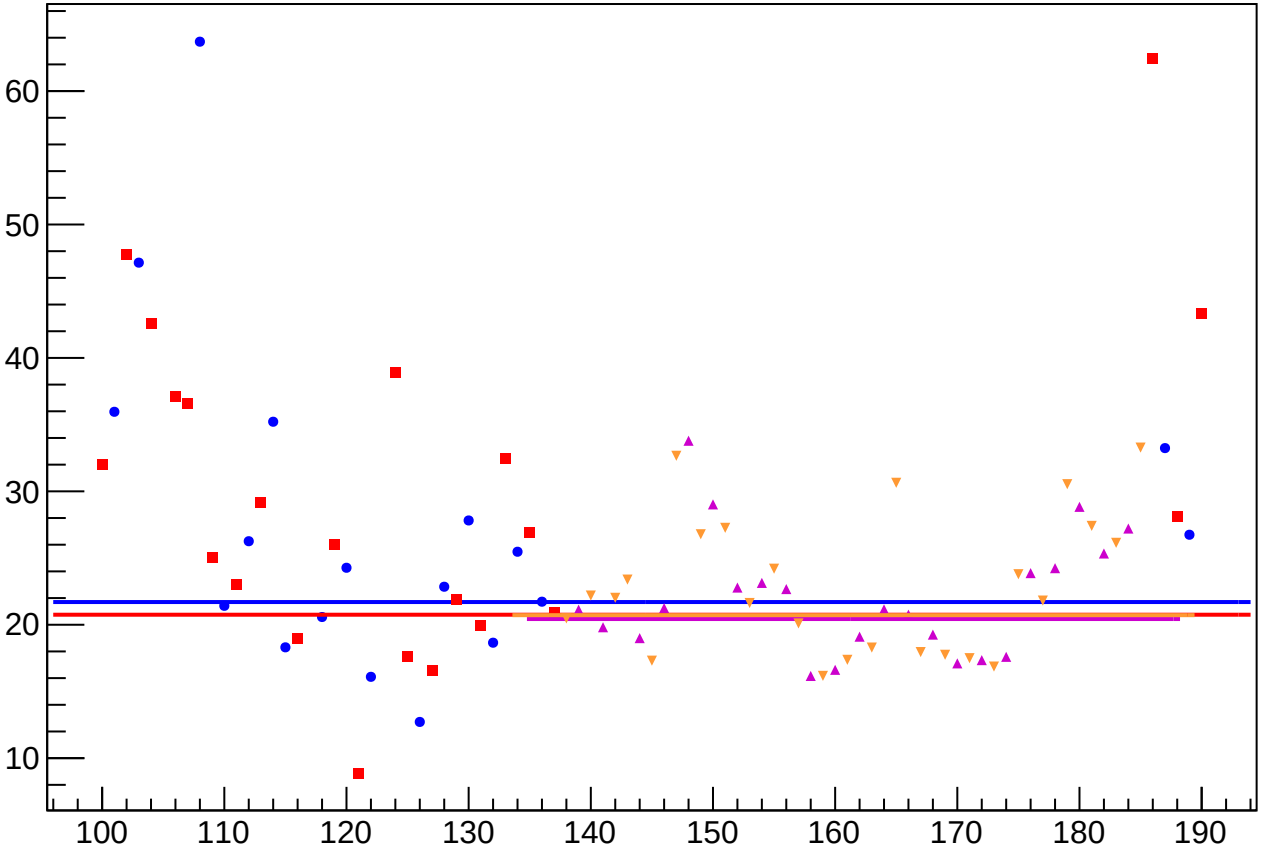
Right: -0.011+/-0.006 χ^2/NDF: 28.7/39

In: -0.002+/-0.004 χ^2/NDF:33.5/40

Out: 0.009+/-0.004 χ^2/NDF:67.5/46

All: 0.004+/-0.003 χ^2/NDF: 104.7/87

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 20.752+/-0.006 χ^2/NDF: 3106208.7/21

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

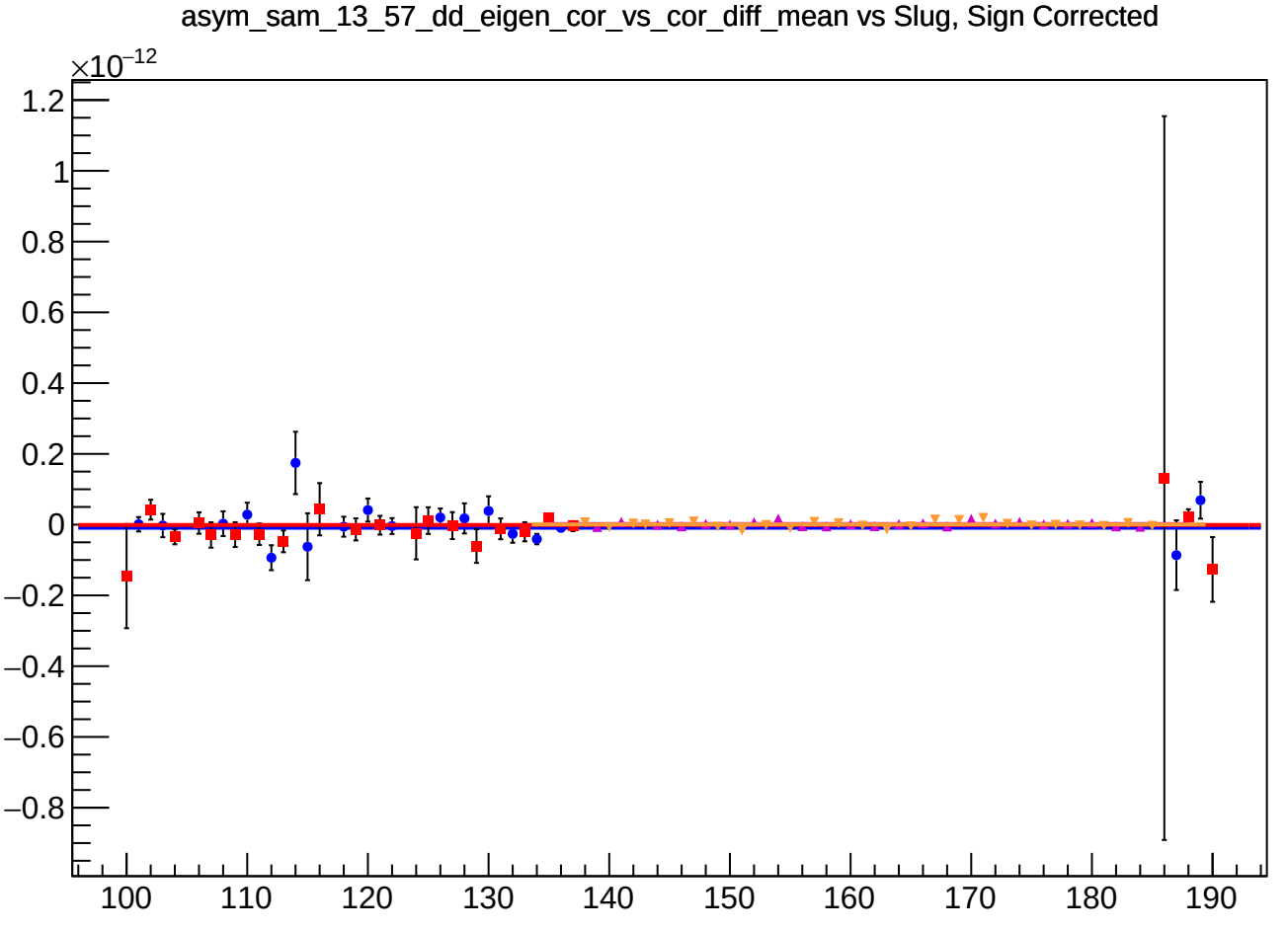
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.199+/-0.004 χ^2/NDF: 4681193.7/39

In: 20.758+/-0.003 χ^2/NDF:2769695.8/40

Out: 20.727+/-0.003 χ^2/NDF:4612711.7/46

All: 20.742+/-0.002 χ^2/NDF: 7382460.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/21

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

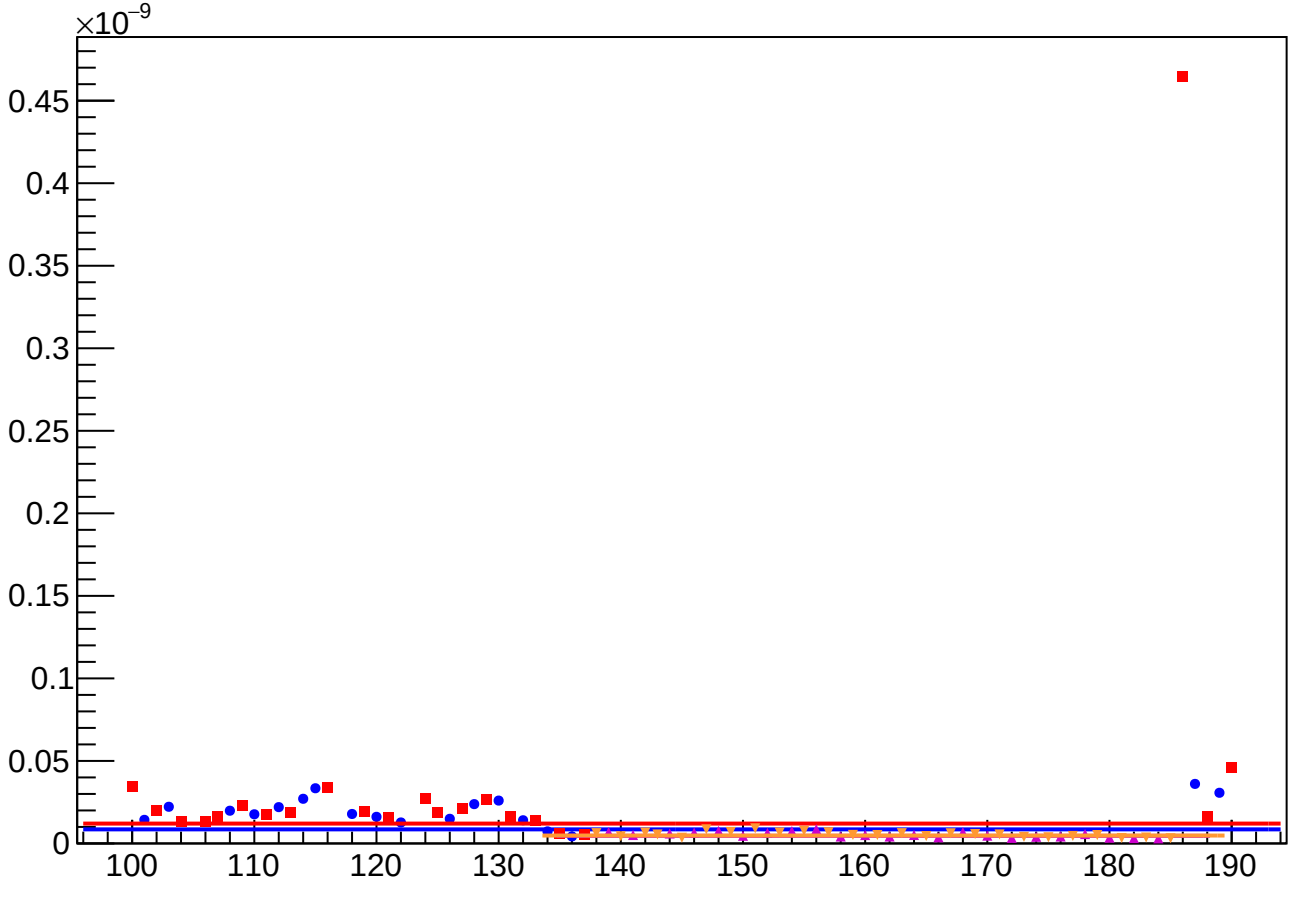
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.4/39

In: 0.000+/-0.000 χ^2/NDF:50.9/40

Out: 0.000+/-0.000 χ^2/NDF:48.9/46

All: 0.000+/-0.000 χ^2/NDF: 99.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 4255585.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3357827.7/21

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

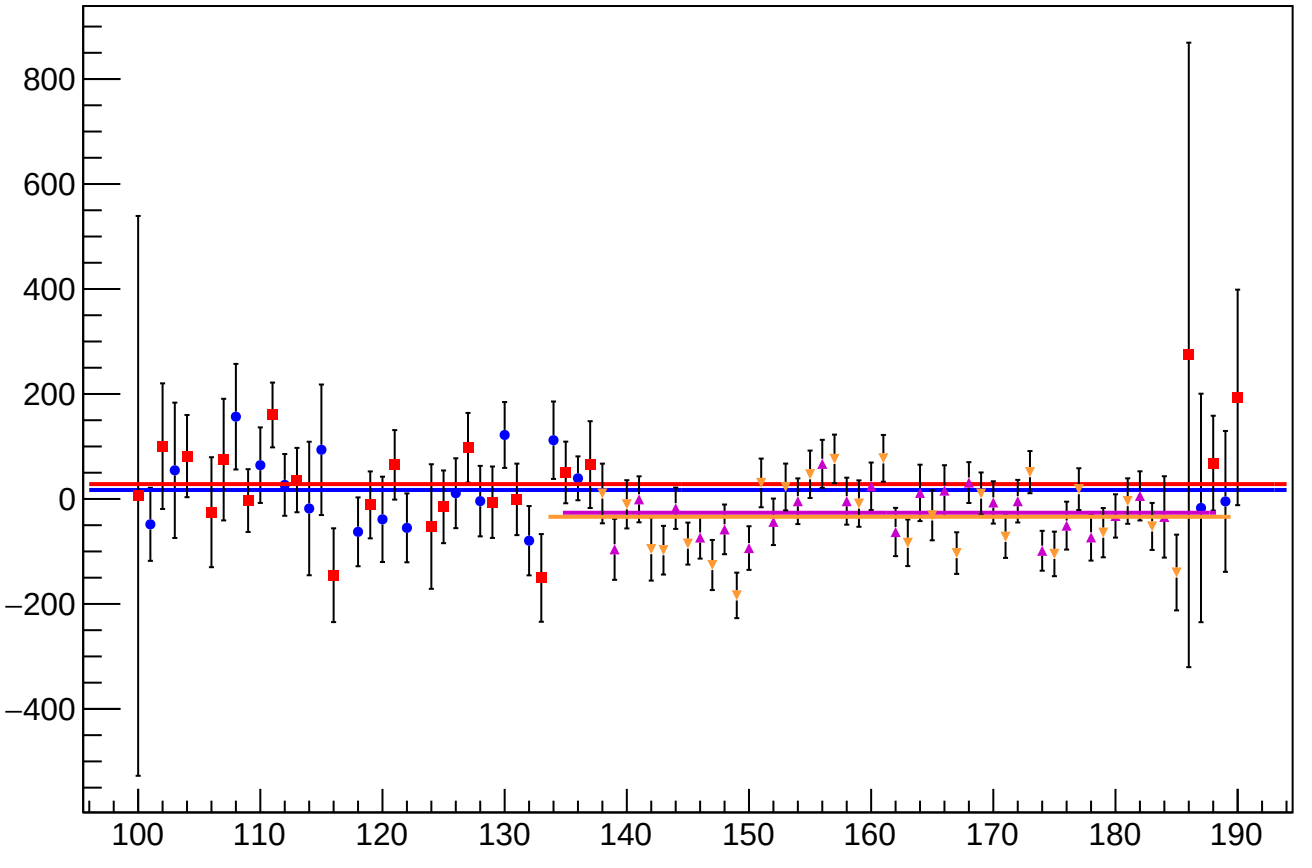
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

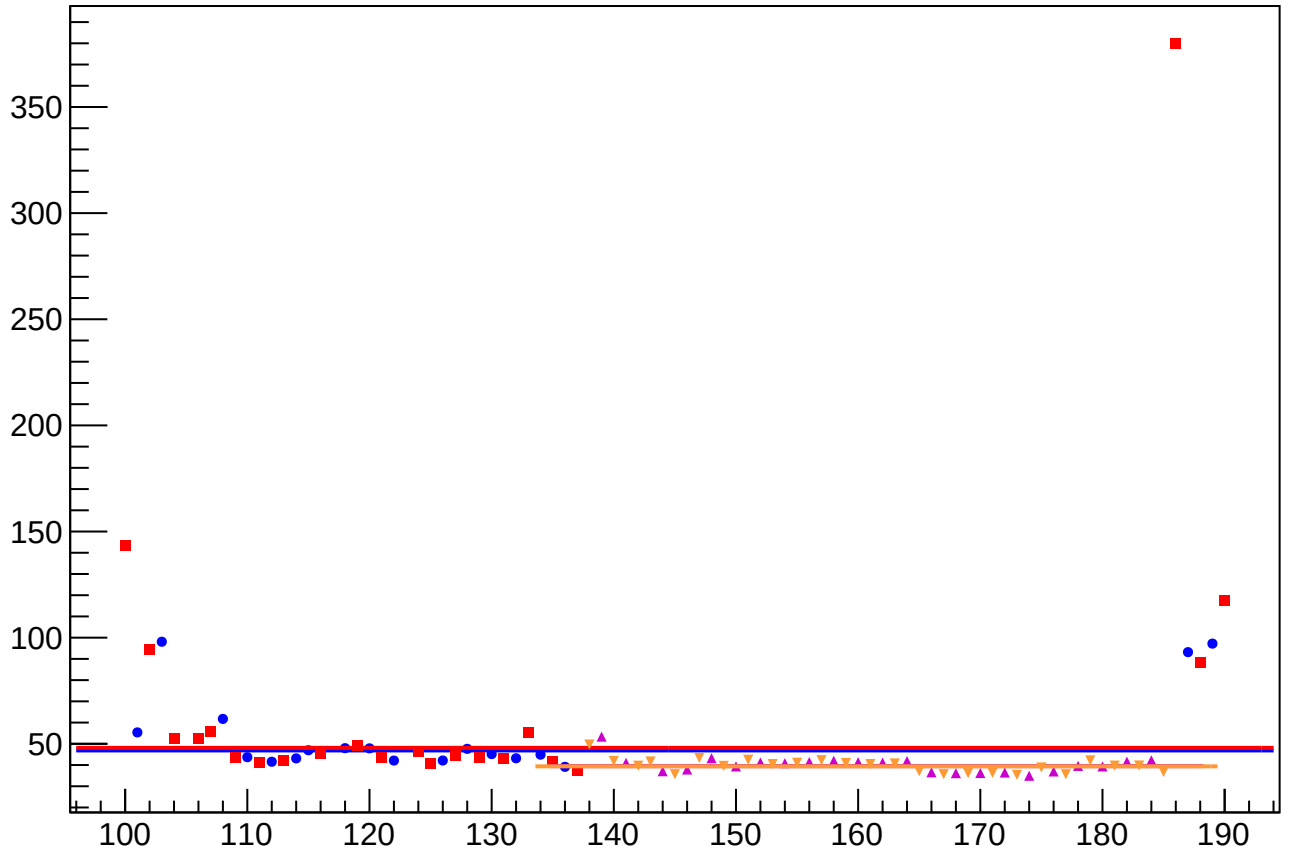
Right: 0.000+/-0.000 χ^2/NDF: 8100359.7/39

In: 0.000+/-0.000 χ^2/NDF:7578049.6/40

Out: 0.000+/-0.000 χ^2/NDF:8746329.4/46

All: 0.000+/-0.000 χ^2/NDF: 16364767.2/87


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 17.111+/-17.269 χ²/NDF: 14.0/17
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 28.297+/-16.961 χ²/NDF: 18.9/21
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 22.805+/-12.101 χ²/NDF: 33.1/39
In: -16.561+/-8.169 χ²/NDF:41.4/40
Out: -20.294+/-7.946 χ²/NDF:88.1/46
All: -18.479+/-5.696 χ²/NDF: 129.6/87



Right In: 46.878+/-0.012 χ^2/NDF: 881819.8/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 48.099+/-0.012 χ^2/NDF: 1816210.1/21

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

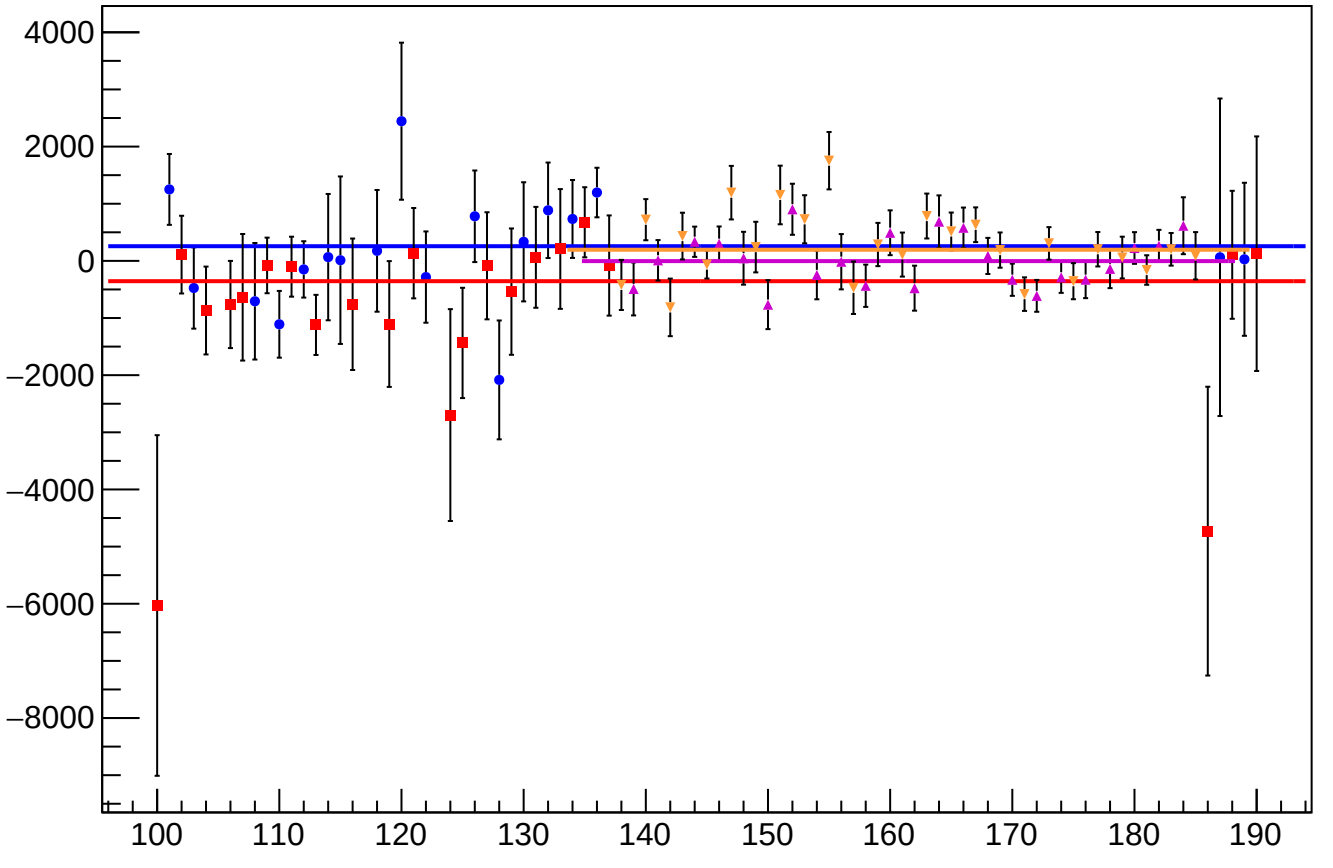
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 47.500+/-0.009 χ^2/NDF: 2703123.2/39

In: 41.144+/-0.006 χ^2/NDF:1417685.0/40

Out: 41.296+/-0.006 χ^2/NDF:2457331.5/46

All: 41.222+/-0.004 χ^2/NDF: 3875371.7/87



Right In: 256.702+/-183.065 χ^2/NDF: 25.0/17

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -355.296+/-177.267 χ^2/NDF: 18.1/21

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

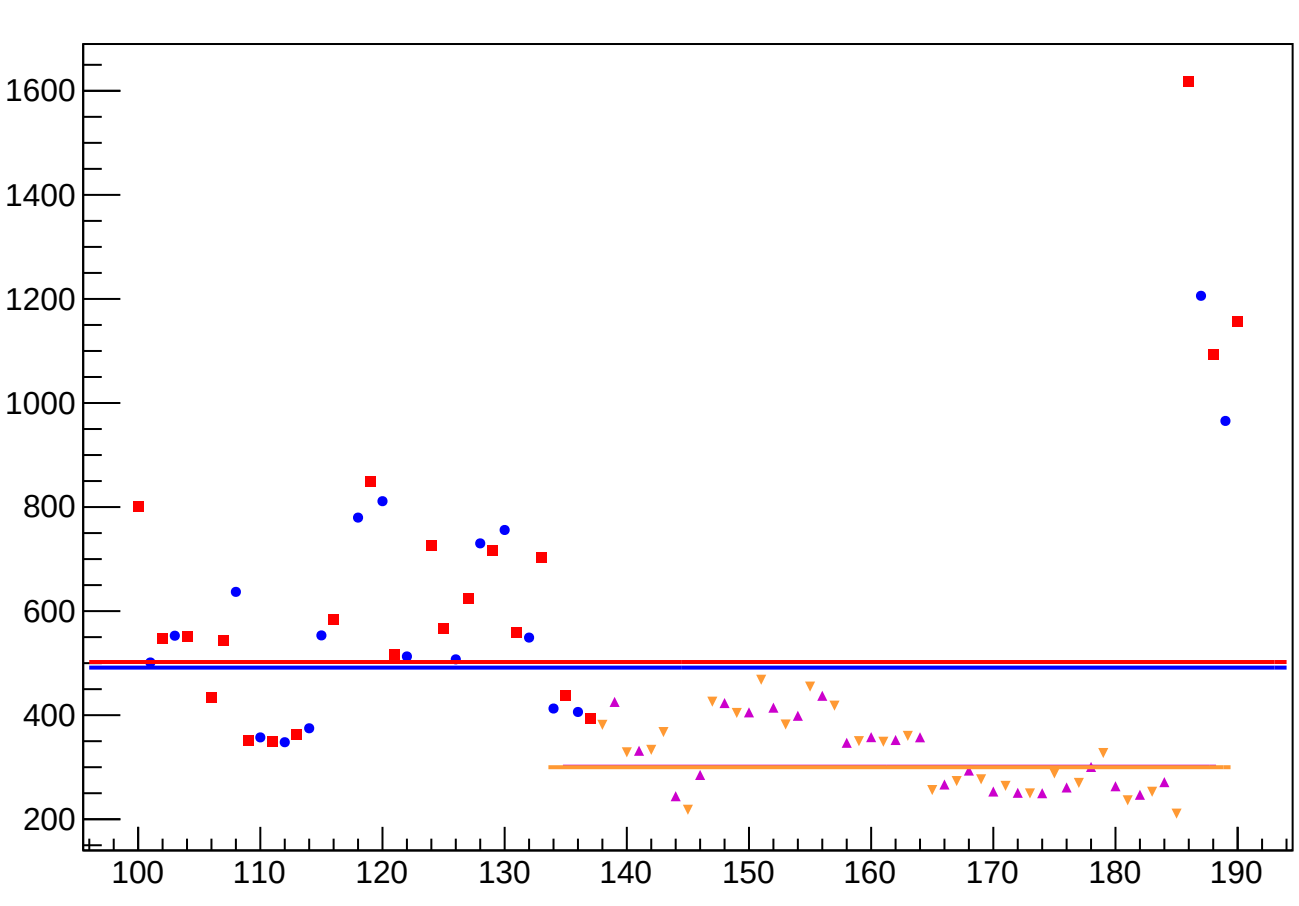
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -59.143+/-127.347 χ^2/NDF: 48.9/39

In: 30.896+/-66.989 χ^2/NDF:59.1/40

Out: 120.621+/-65.182 χ^2/NDF:75.1/46

All: 76.984+/-46.716 χ^2/NDF: 135.1/87



Right In: 491.424+/-0.129 χ^2/NDF: 1344501.8/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 502.182+/-0.125 χ^2/NDF: 2200707.6/21

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

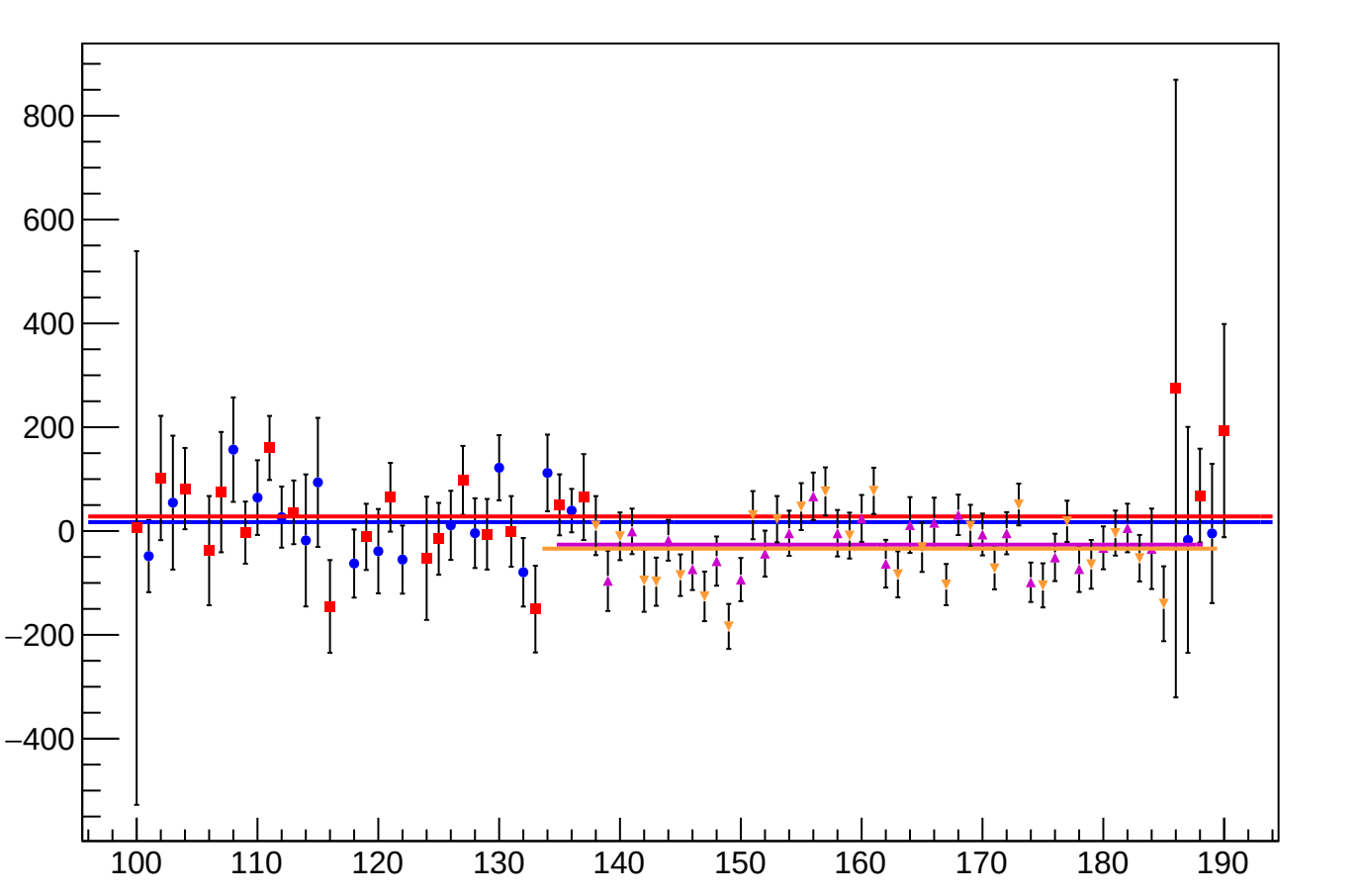
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

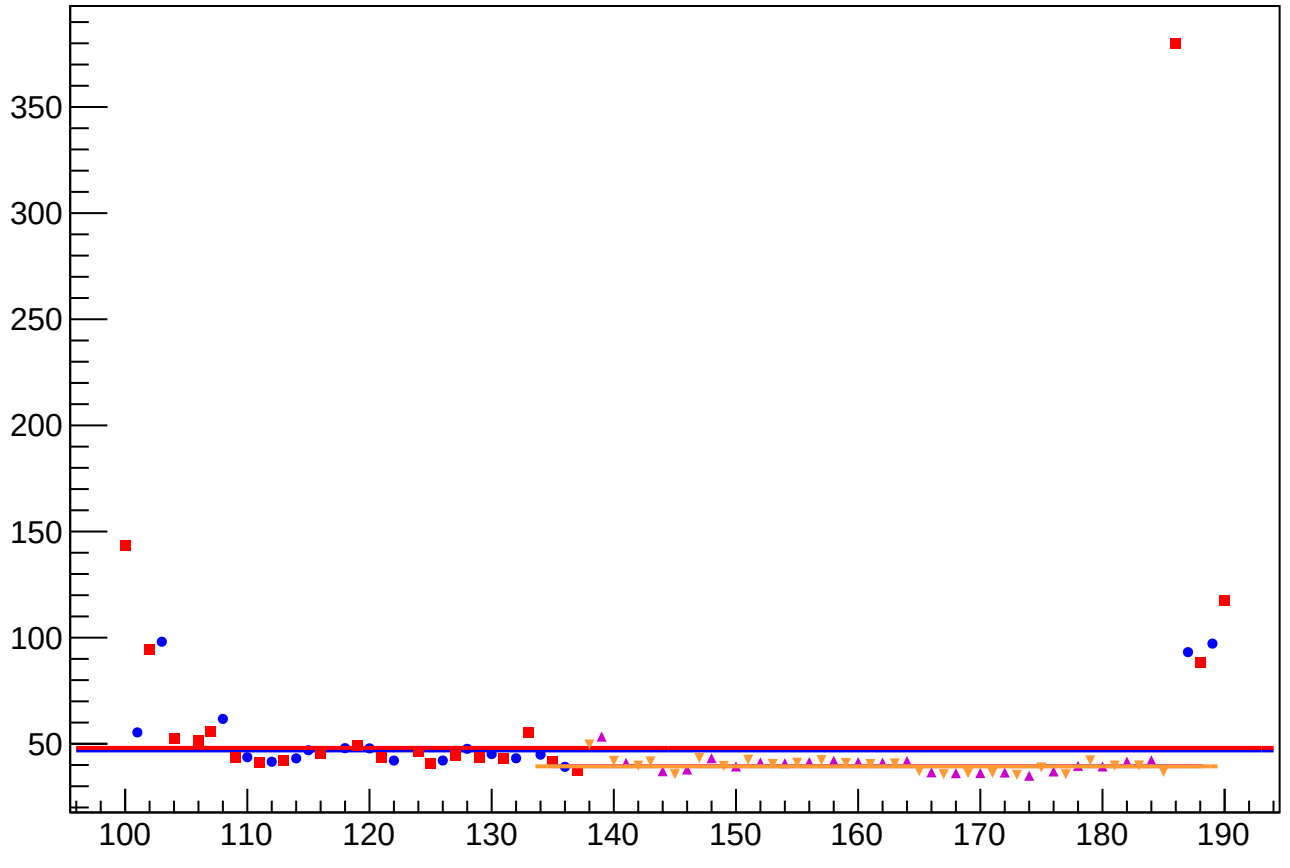
Right: 496.976+/-0.090 χ^2/NDF: 3548773.5/39

In: 326.498+/-0.047 χ^2/NDF:4625967.4/40

Out: 327.316+/-0.046 χ^2/NDF:6259629.7/46

All: 326.918+/-0.033 χ^2/NDF: 10885750.4/87


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 17.116+/-17.269 χ²/NDF: 14.0/17
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 28.015+/-16.963 χ²/NDF: 19.0/21
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 22.663+/-12.101 χ²/NDF: 33.2/39
In: -16.560+/-8.169 χ²/NDF:41.4/40
Out: -20.358+/-7.946 χ²/NDF:88.2/46
All: -18.512+/-5.696 χ²/NDF: 129.7/87



Right In: 46.878+/-0.012 χ^2/NDF: 881822.9/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 48.077+/-0.012 χ^2/NDF: 1815229.9/21

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

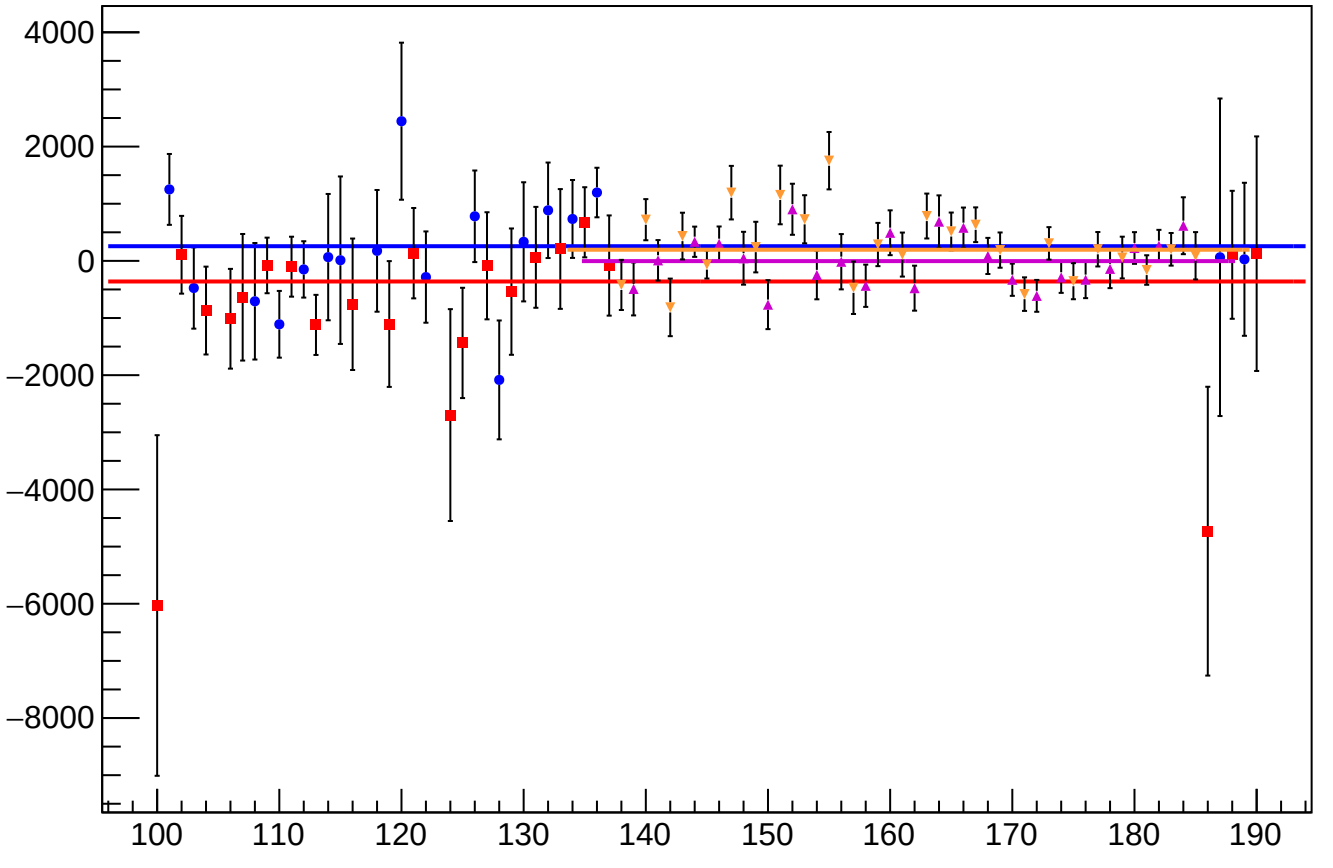
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 47.488+/-0.009 χ^2/NDF: 2701961.4/39

In: 41.144+/-0.006 χ^2/NDF:1417687.9/40

Out: 41.290+/-0.006 χ^2/NDF:2454166.5/46

All: 41.219+/-0.004 χ^2/NDF: 3872185.3/87



Right In: 256.706+/-183.066 χ^2/NDF: 25.0/17

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -360.695+/-178.419 χ^2/NDF: 18.4/21

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

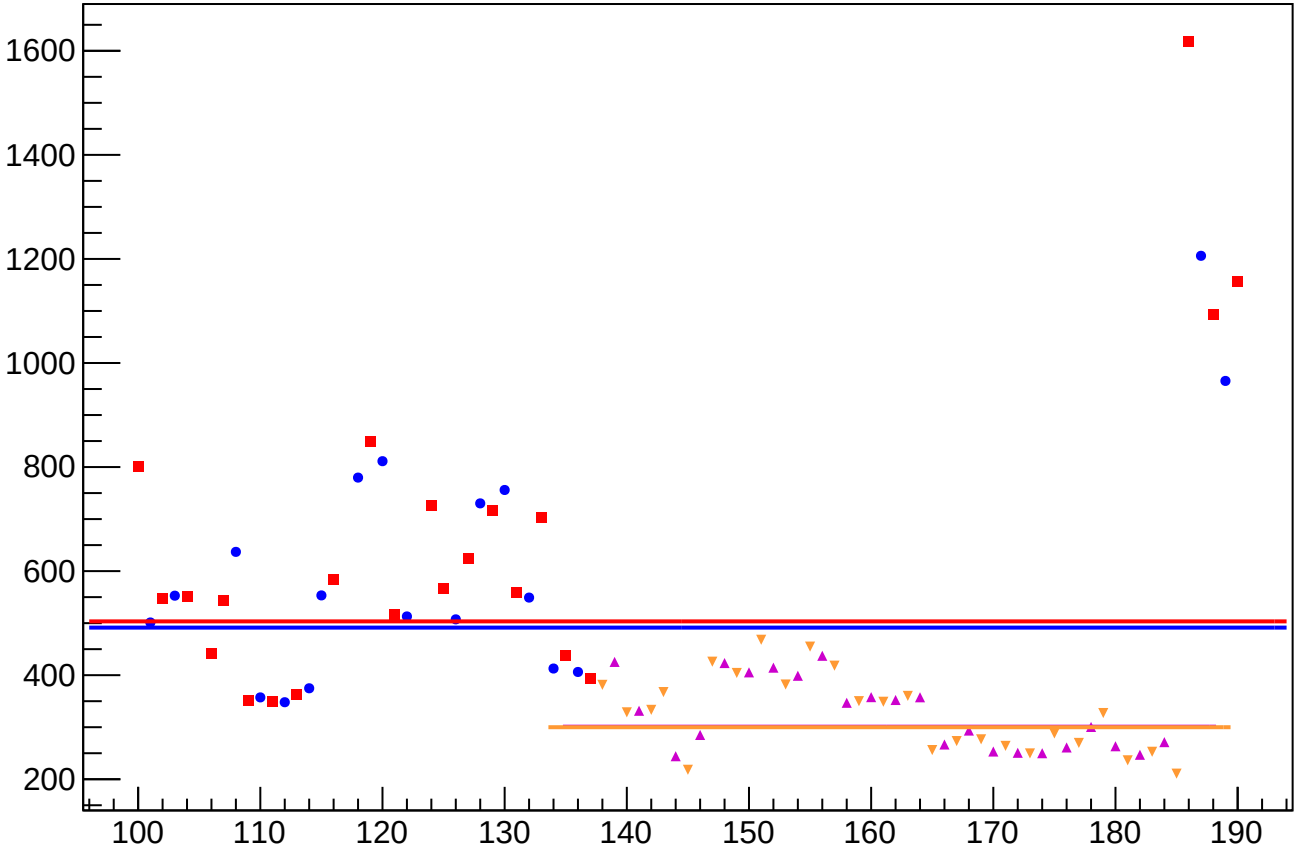
Right: -59.931+/-127.773 χ^2/NDF: 49.3/39

In: 30.896+/-66.989 χ^2/NDF:59.1/40

Out: 120.728+/-65.239 χ^2/NDF:75.4/46

All: 77.001+/-46.737 χ^2/NDF: 135.5/87

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 491.427+/-0.129 χ^2/NDF: 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 503.390+/-0.126 χ^2/NDF: 2194529.0/21

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

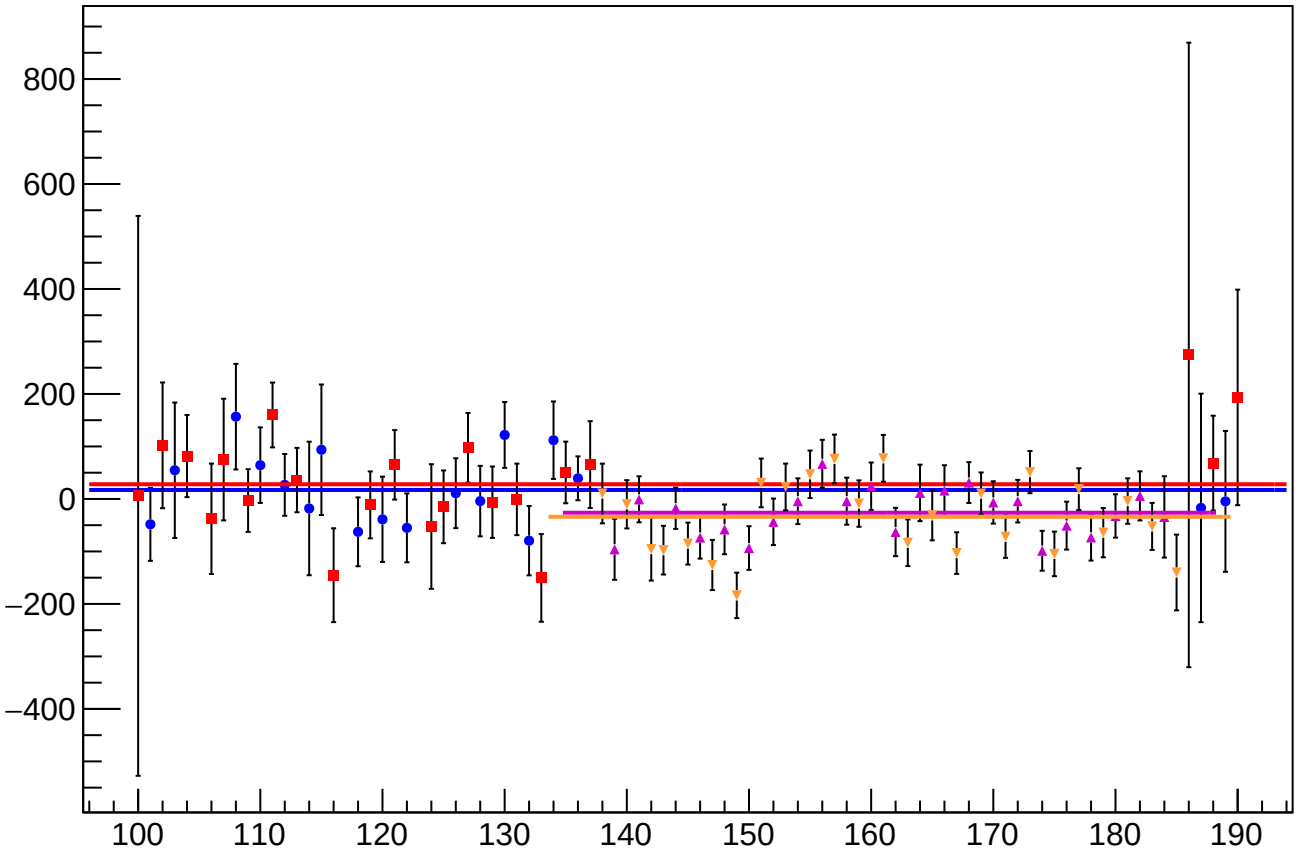
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 497.562+/-0.090 χ^2/NDF: 3543437.0/39

In: 326.498+/-0.047 χ^2/NDF:4626029.1/40

Out: 327.173+/-0.046 χ^2/NDF:6255019.0/46

All: 326.844+/-0.033 χ^2/NDF: 10881152.3/87



Right In: 17.116+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 28.015+/-16.963 χ^2/NDF: 19.0/21

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

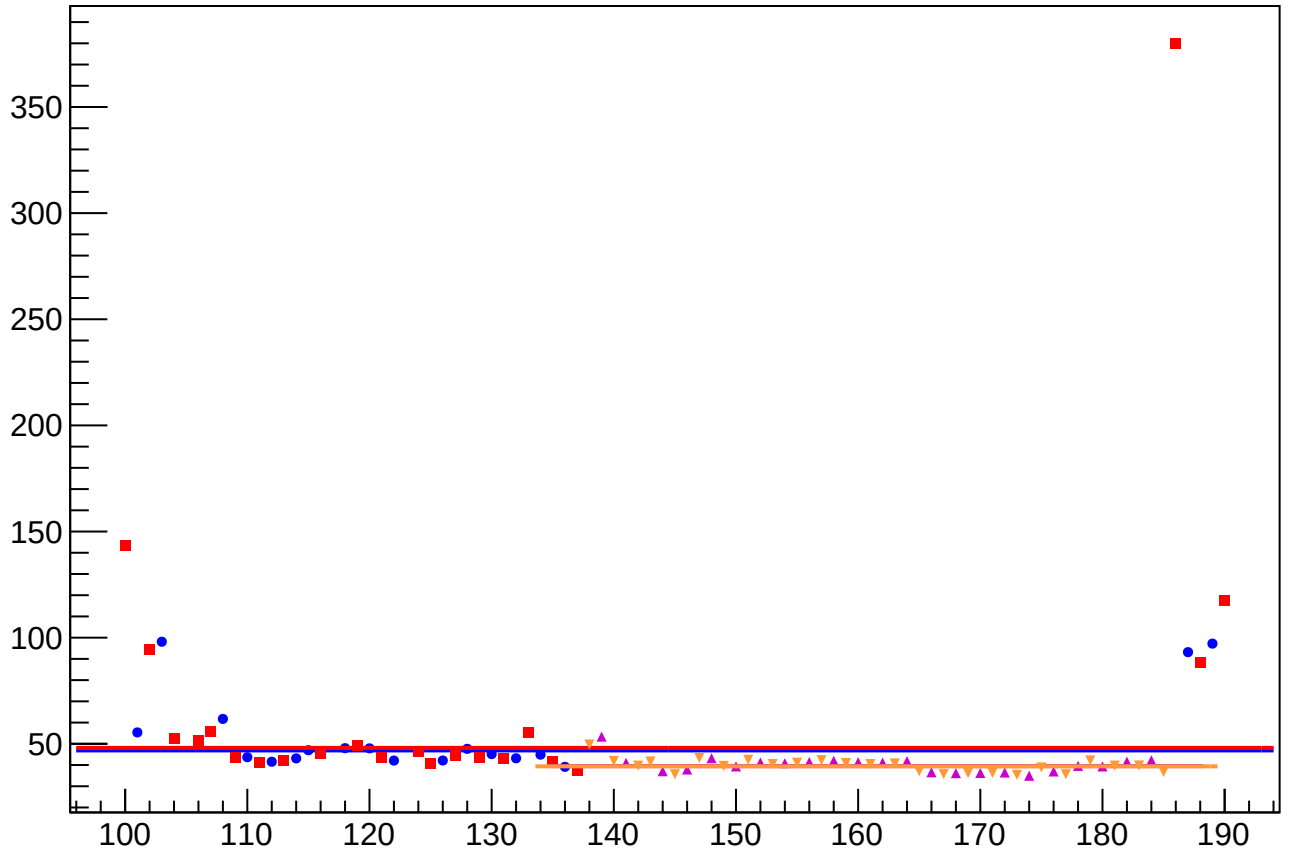
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 22.663+/-12.101 χ^2/NDF: 33.2/39

In: -16.560+/-8.169 χ^2/NDF:41.4/40

Out: -20.358+/-7.946 χ^2/NDF:88.2/46

All: -18.512+/-5.696 χ^2/NDF: 129.7/87



Right In: 46.878+/-0.012 χ^2/NDF: 881822.9/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 48.077+/-0.012 χ^2/NDF: 1815229.9/21

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

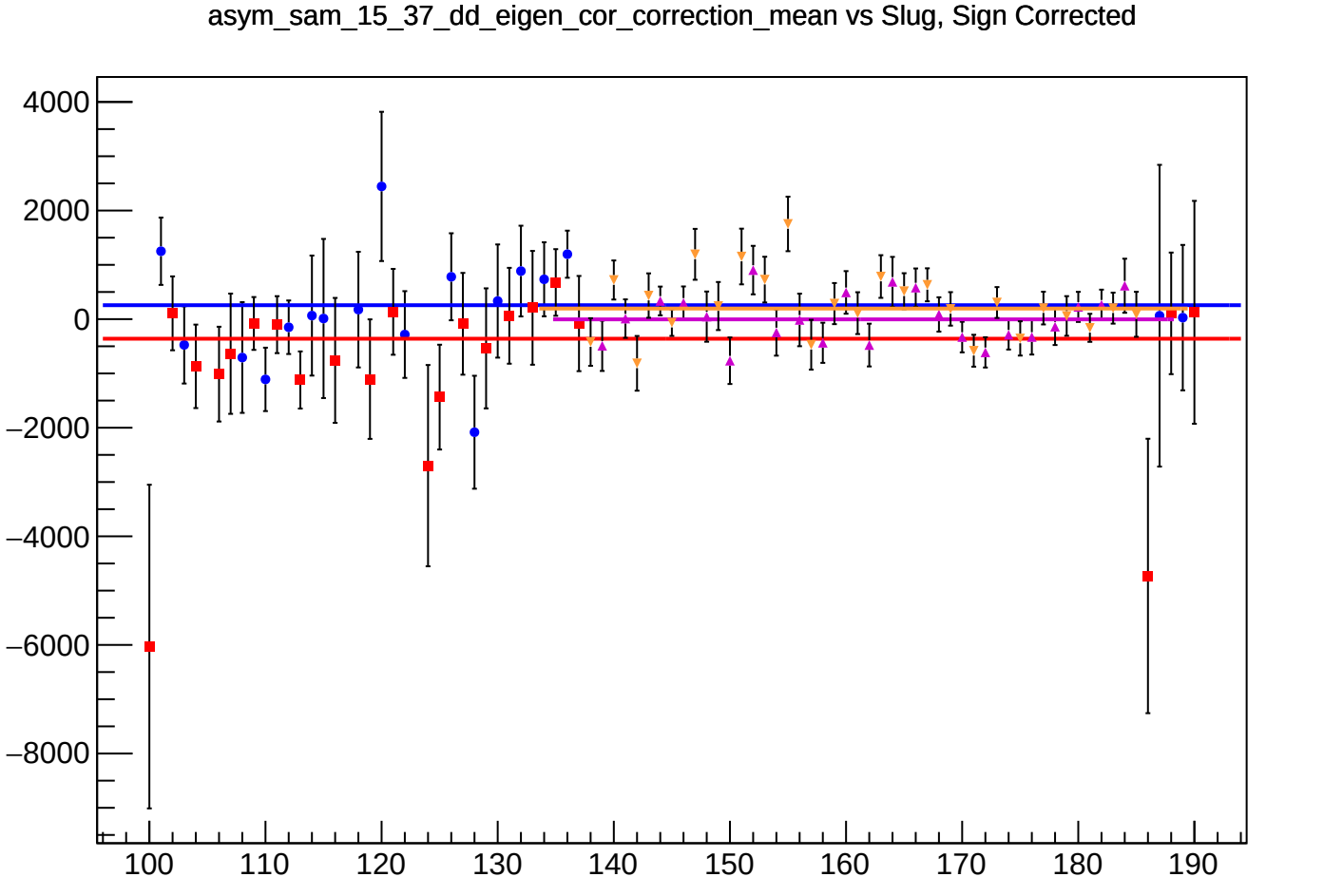
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 47.488+/-0.009 χ^2/NDF: 2701961.4/39

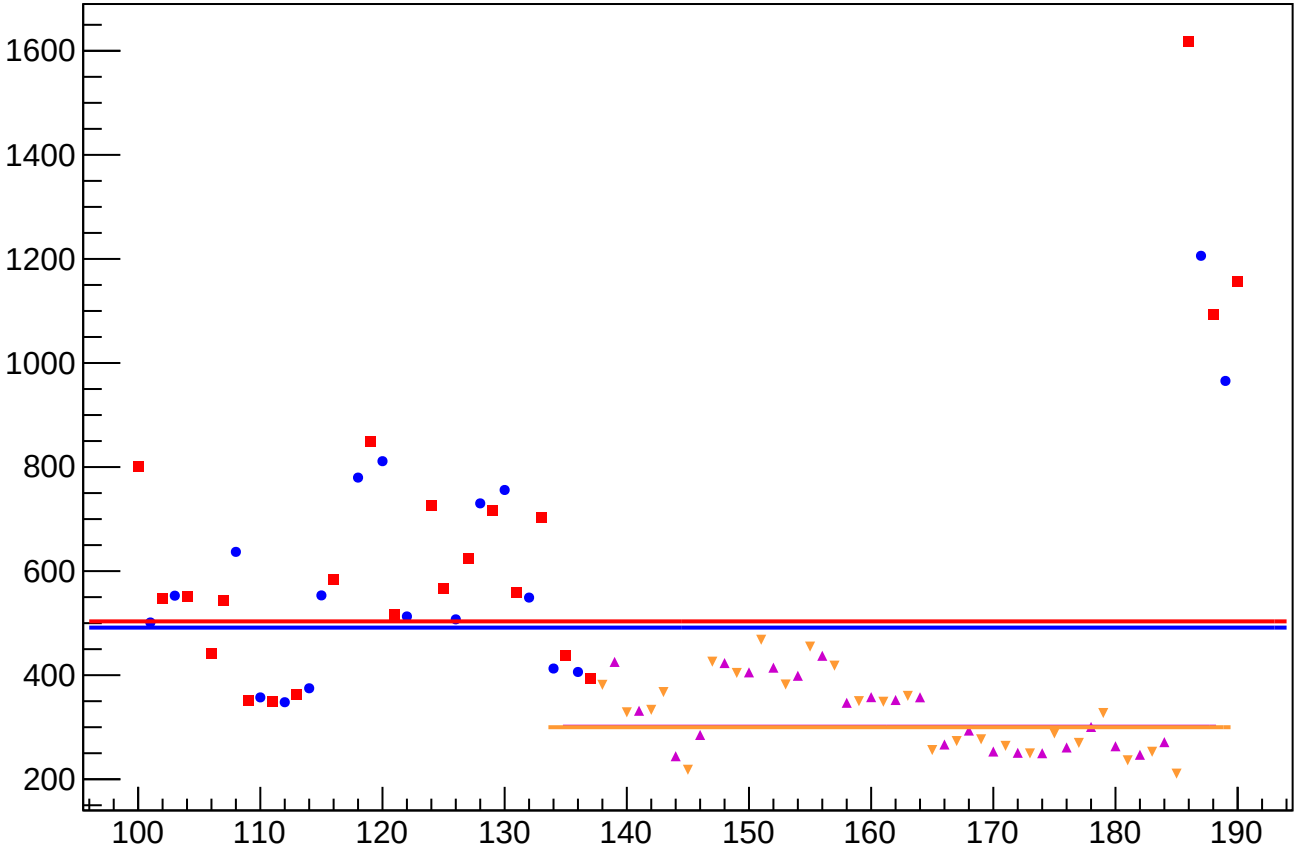
In: 41.144+/-0.006 χ^2/NDF:1417687.9/40

Out: 41.290+/-0.006 χ^2/NDF:2454166.5/46

All: 41.219+/-0.004 χ^2/NDF: 3872185.3/87


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 256.706+/-183.066 χ²/NDF: 25.0/17
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: -360.695+/-178.419 χ²/NDF: 18.4/21
Left In: -4.014+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: -59.931+/-127.773 χ²/NDF: 49.3/39
In: 30.896+/-66.989 χ²/NDF:59.1/40
Out: 120.728+/-65.239 χ²/NDF:75.4/46
All: 77.001+/-46.737 χ²/NDF: 135.5/87

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 491.427+/-0.129 χ^2/NDF: 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 503.390+/-0.126 χ^2/NDF: 2194529.0/21

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

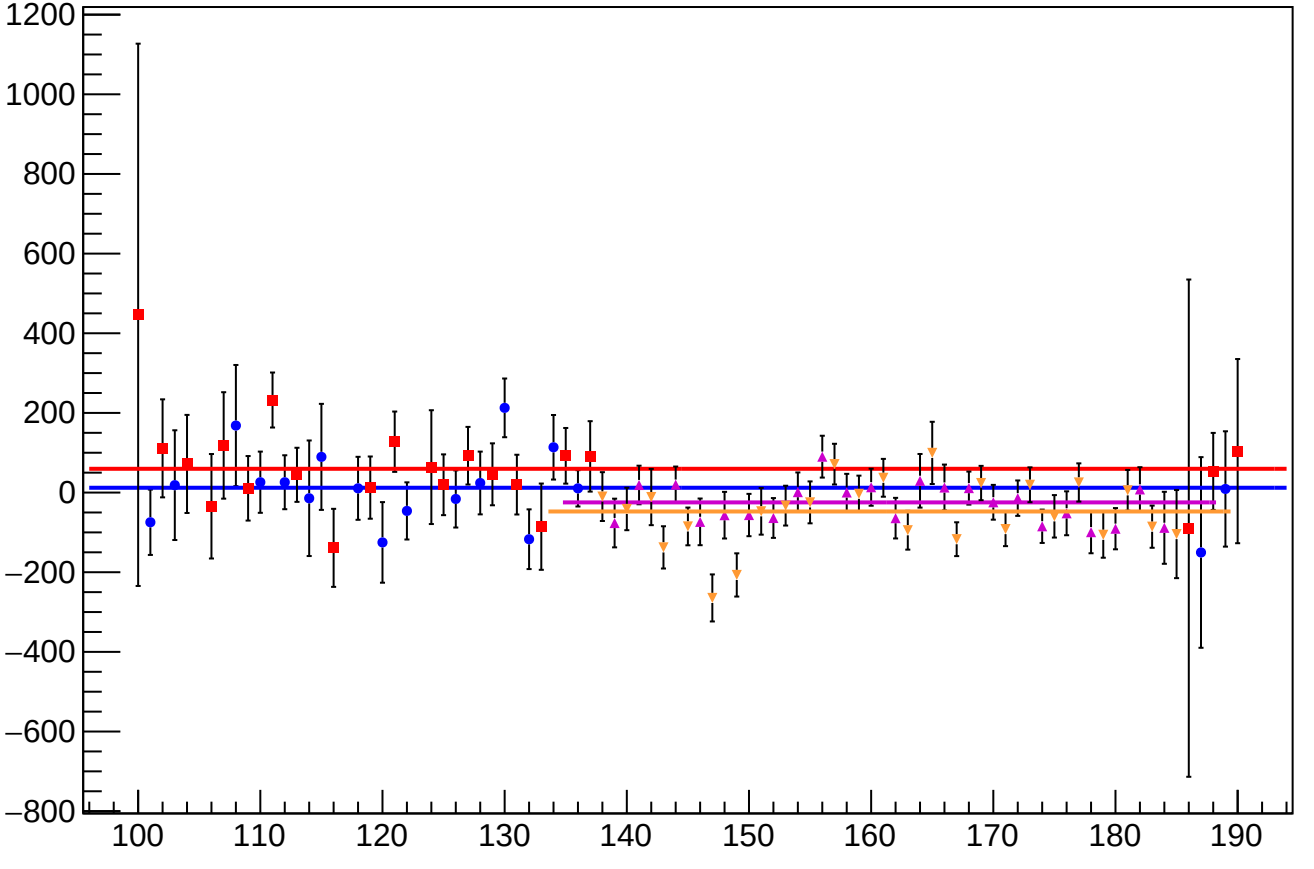
Right: 497.562+/-0.090 χ^2/NDF: 3543437.0/39

In: 326.498+/-0.047 χ^2/NDF:4626029.1/40

Out: 327.173+/-0.046 χ^2/NDF:6255019.0/46

All: 326.844+/-0.033 χ^2/NDF: 10881152.3/87

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 12.092+/-19.599 χ^2/NDF: 17.7/17

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.704+/-19.723 χ^2/NDF: 16.2/21

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

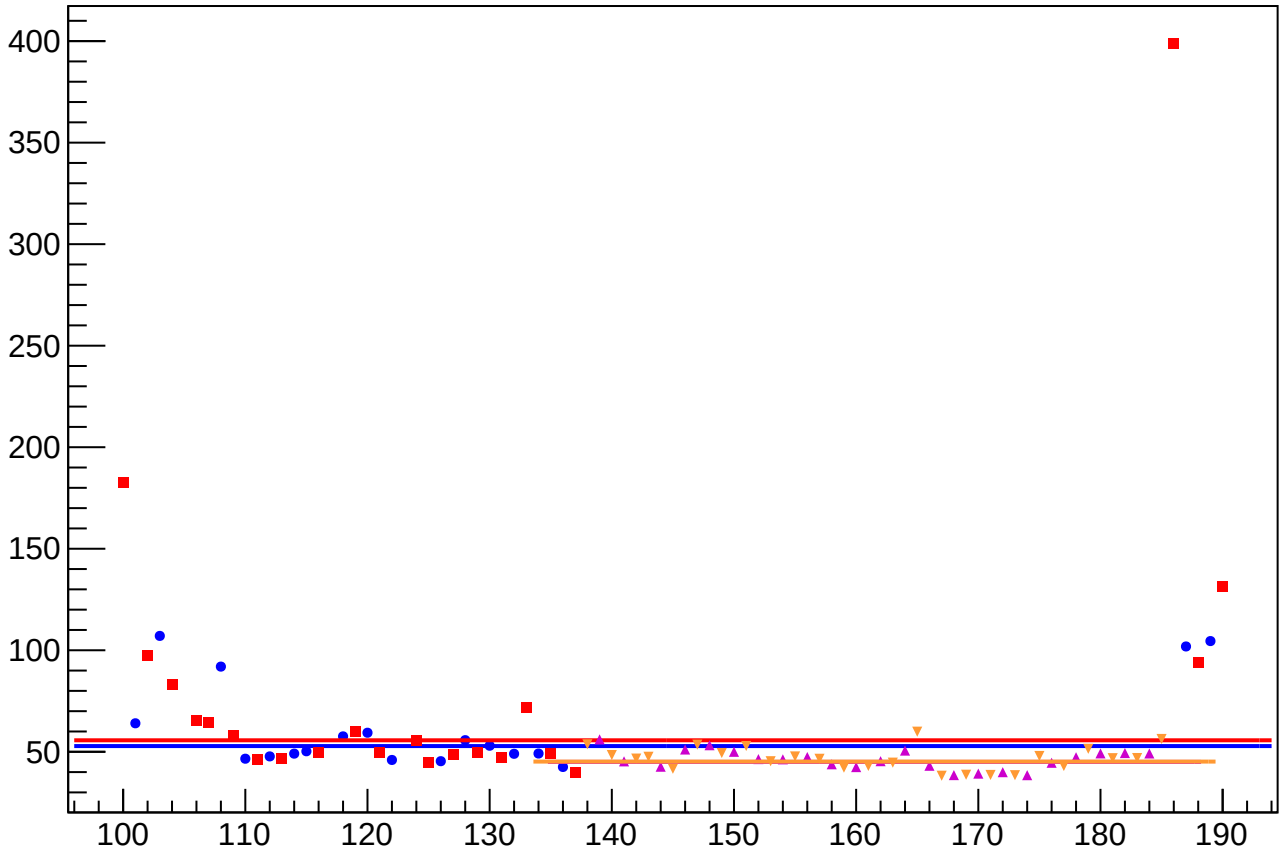
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.748+/-13.902 χ^2/NDF: 36.8/39

In: -16.291+/-9.364 χ^2/NDF:40.1/40

Out: -24.189+/-9.194 χ^2/NDF:94.0/46

All: -20.312+/-6.561 χ^2/NDF: 134.5/87



Right In: 52.815+/-0.014 χ^2/NDF: 1014814.6/17

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.662+/-0.014 χ^2/NDF: 1881338.7/21

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

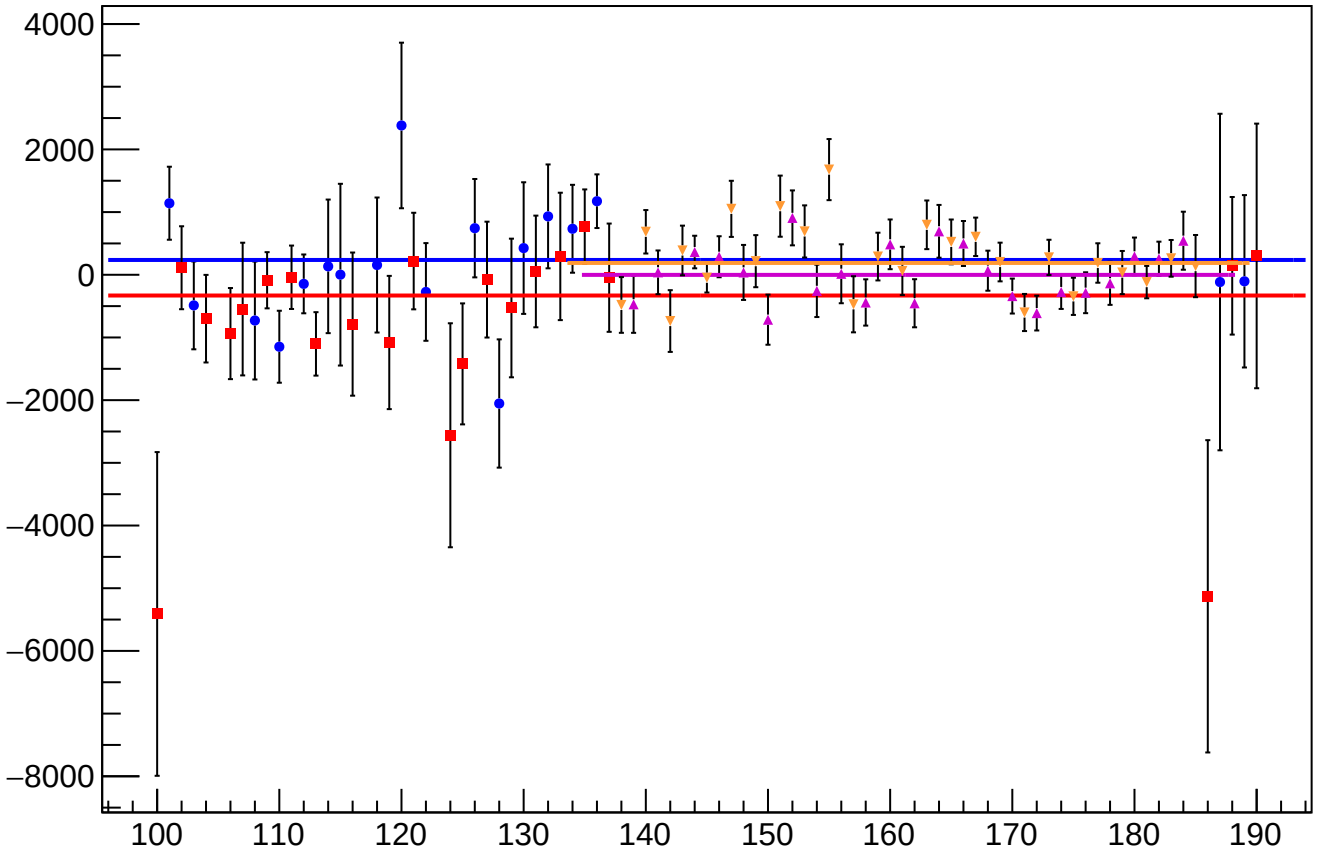
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 54.229+/-0.010 χ^2/NDF: 2917130.2/39

In: 46.797+/-0.007 χ^2/NDF:1631777.0/40

Out: 47.454+/-0.007 χ^2/NDF:2813777.7/46

All: 47.132+/-0.005 χ^2/NDF: 4450559.4/87



Right In: 236.342+/-178.928 χ^2/NDF: 25.7/17

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -330.804+/-170.535 χ^2/NDF: 20.5/21

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

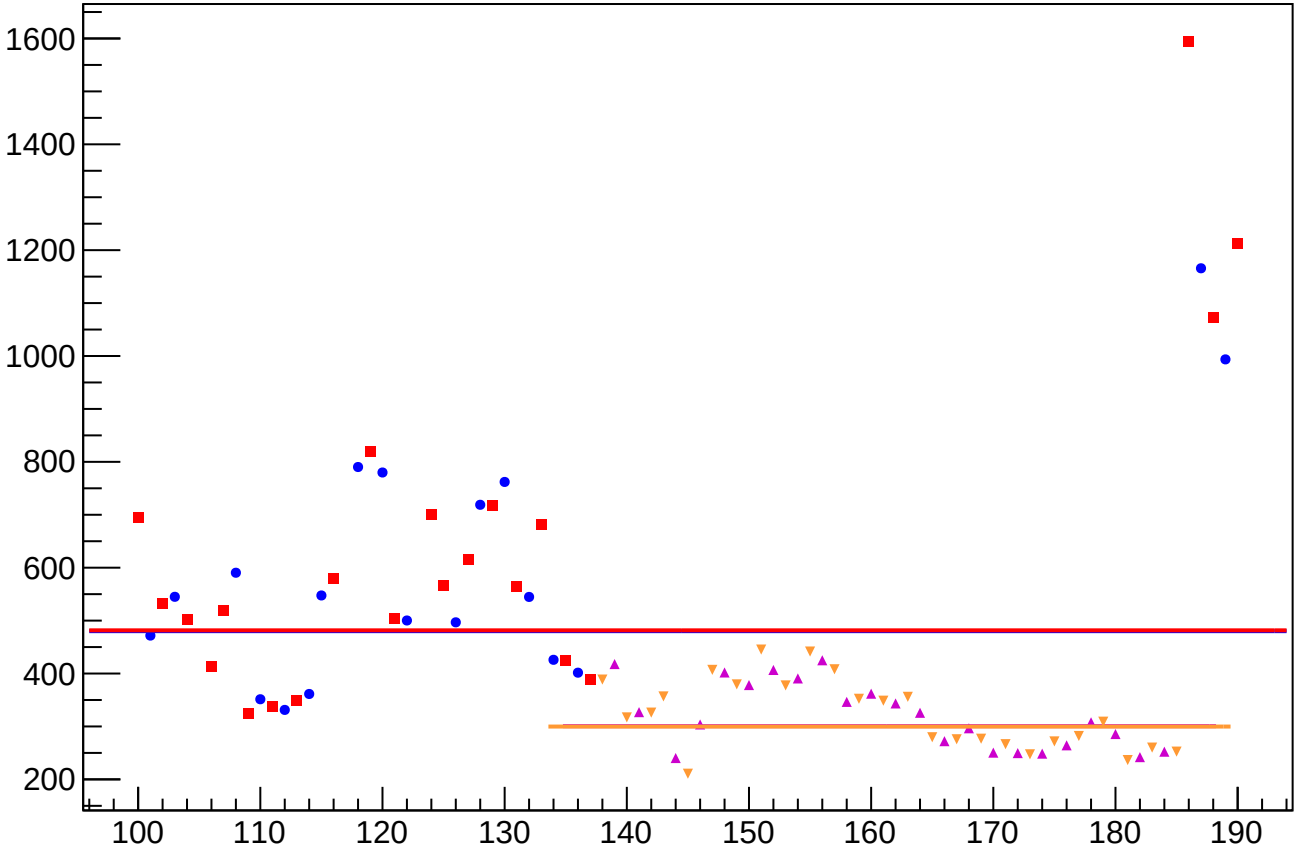
Right: -60.846+/-123.447 χ^2/NDF: 51.4/39

In: 31.284+/-66.565 χ^2/NDF:59.4/40

Out: 114.411+/-64.530 χ^2/NDF:75.2/46

All: 74.138+/-46.332 χ^2/NDF: 135.4/87

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 480.066+/-0.127 χ^2/NDF: 1401239.6/17

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 481.612+/-0.121 χ^2/NDF: 2343226.3/21

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

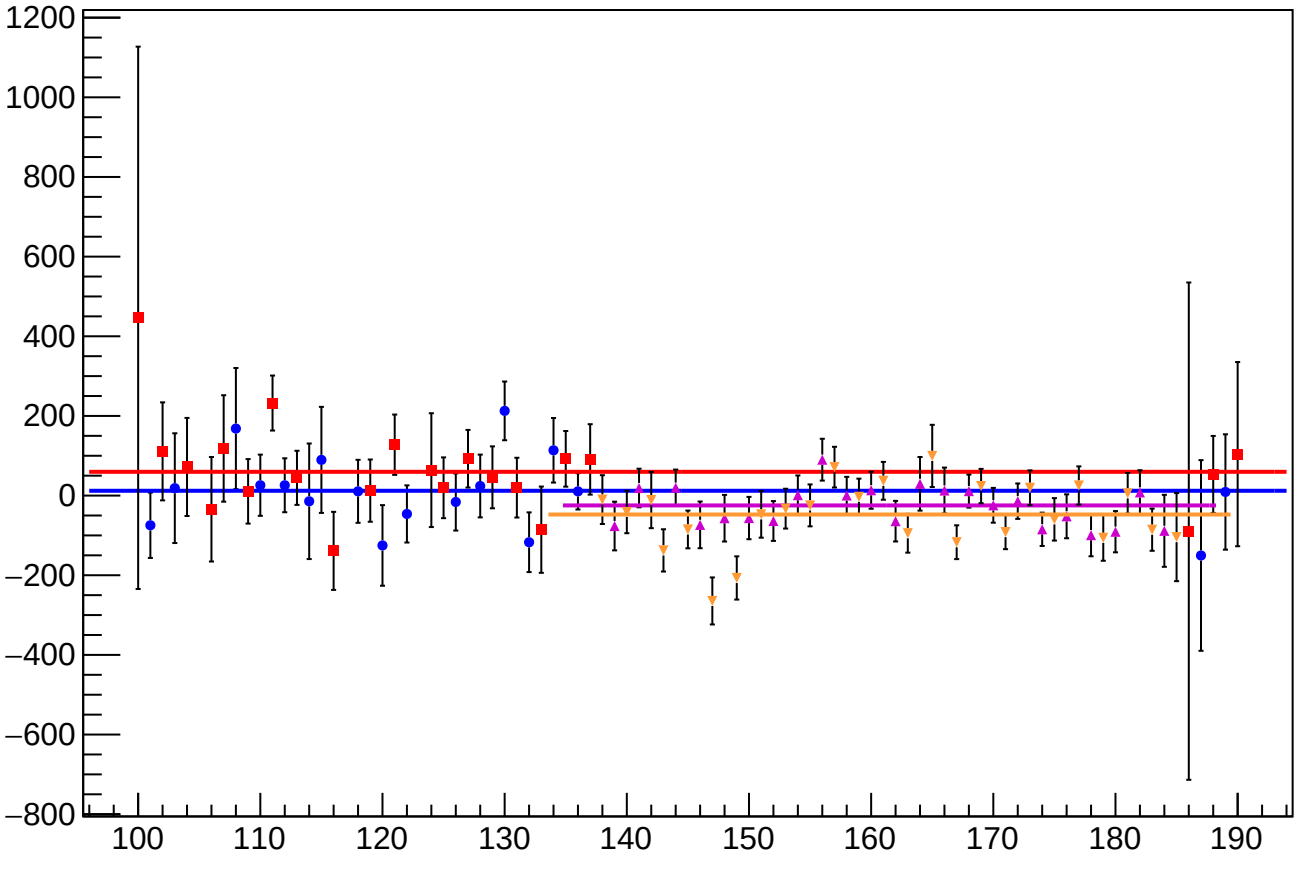
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 480.876+/-0.087 χ^2/NDF: 3744544.1/39

In: 325.390+/-0.047 χ^2/NDF:4395159.3/40

Out: 325.831+/-0.046 χ^2/NDF:5868461.3/46

All: 325.617+/-0.033 χ^2/NDF: 10263665.9/87



Right In: 12.092+/-19.599 χ^2/NDF: 17.7/17

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.705+/-19.723 χ^2/NDF: 16.2/21

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

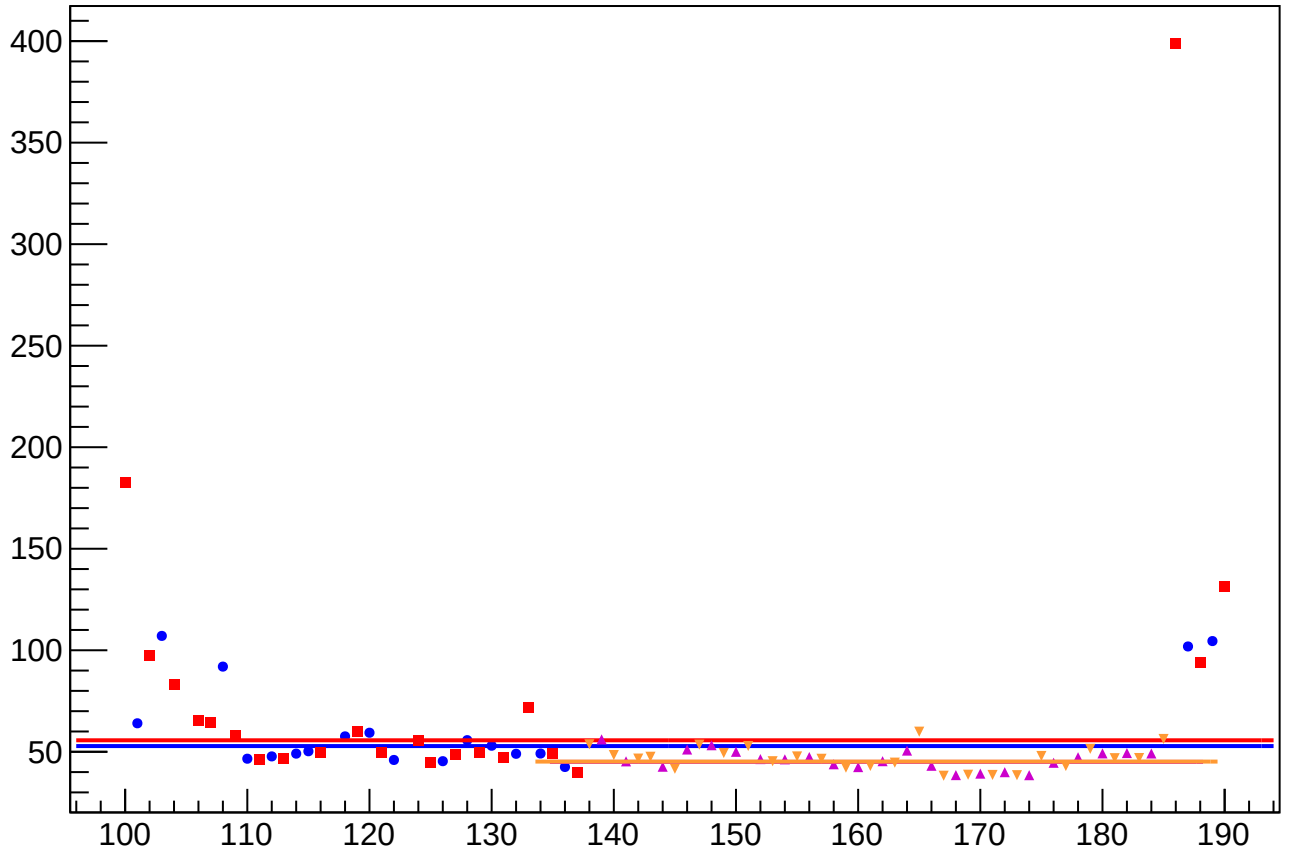
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.749+/-13.902 χ^2/NDF: 36.8/39

In: -16.291+/-9.364 χ^2/NDF:40.1/40

Out: -24.189+/-9.194 χ^2/NDF:94.0/46

All: -20.312+/-6.561 χ^2/NDF: 134.5/87



Right In: 52.815+/-0.014 χ^2/NDF: 1014823.3/17

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.662+/-0.014 χ^2/NDF: 1881352.8/21

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

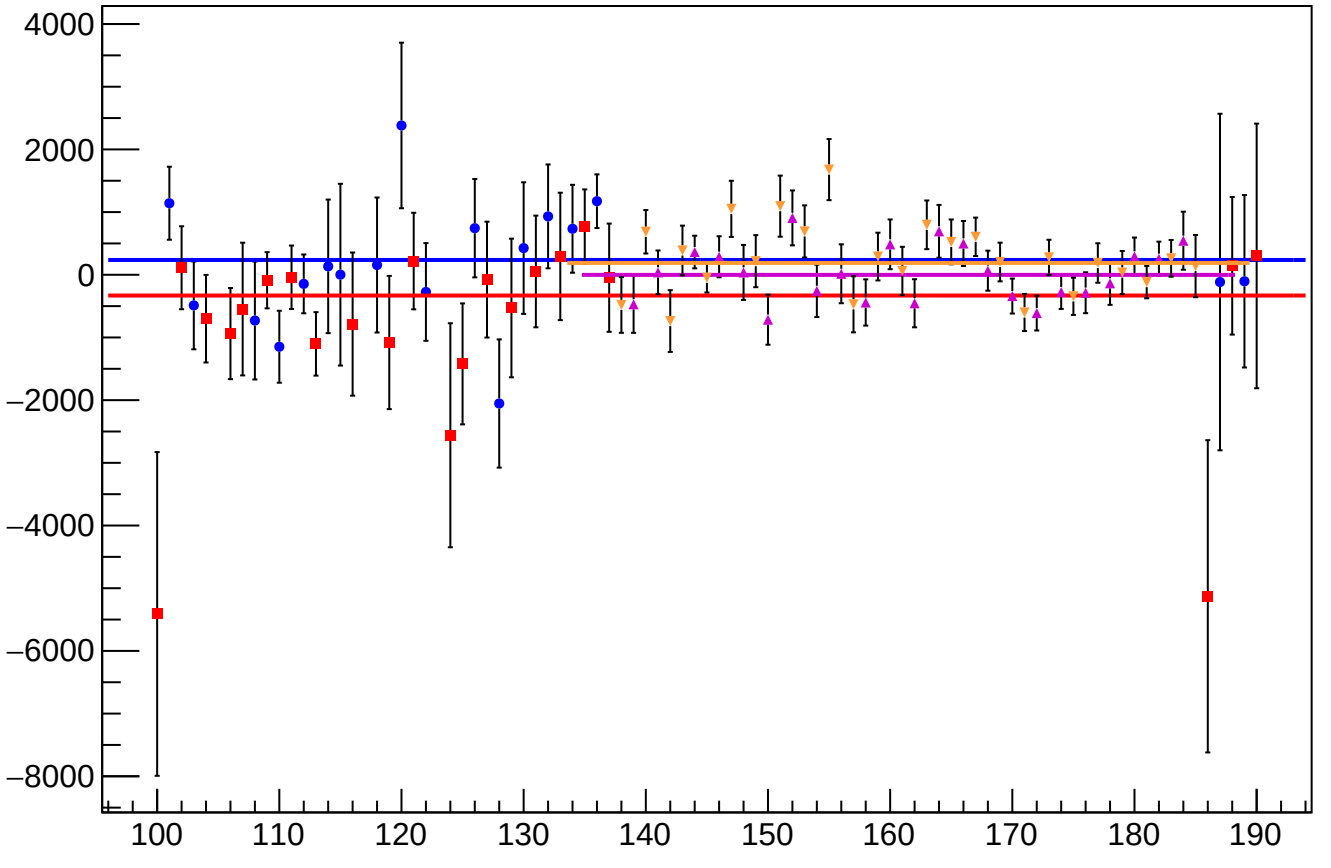
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 54.229+/-0.010 χ^2/NDF: 2917153.6/39

In: 46.797+/-0.007 χ^2/NDF:1631785.3/40

Out: 47.454+/-0.007 χ^2/NDF:2813795.5/46

All: 47.132+/-0.005 χ^2/NDF: 4450585.2/87



Right In: 236.341+/-178.928 χ^2/NDF: 25.7/17

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -330.804+/-170.534 χ^2/NDF: 20.5/21

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

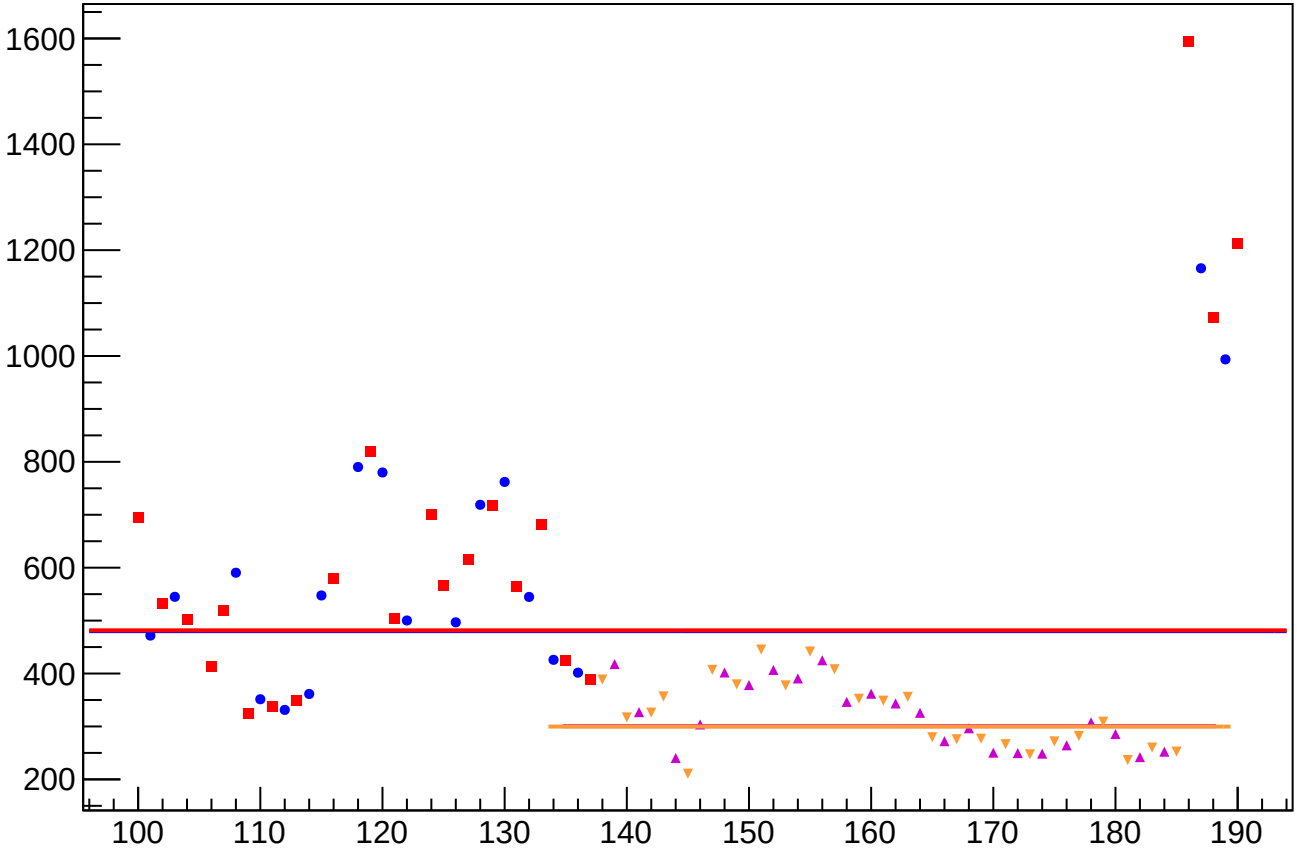
Right: -60.846+/-123.447 χ^2/NDF: 51.4/39

In: 31.284+/-66.565 χ^2/NDF:59.4/40

Out: 114.411+/-64.530 χ^2/NDF:75.2/46

All: 74.138+/-46.332 χ^2/NDF: 135.4/87

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 480.065+/-0.127 χ^2/NDF: 1401241.8/17

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 481.611+/-0.121 χ^2/NDF: 2343222.1/21

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

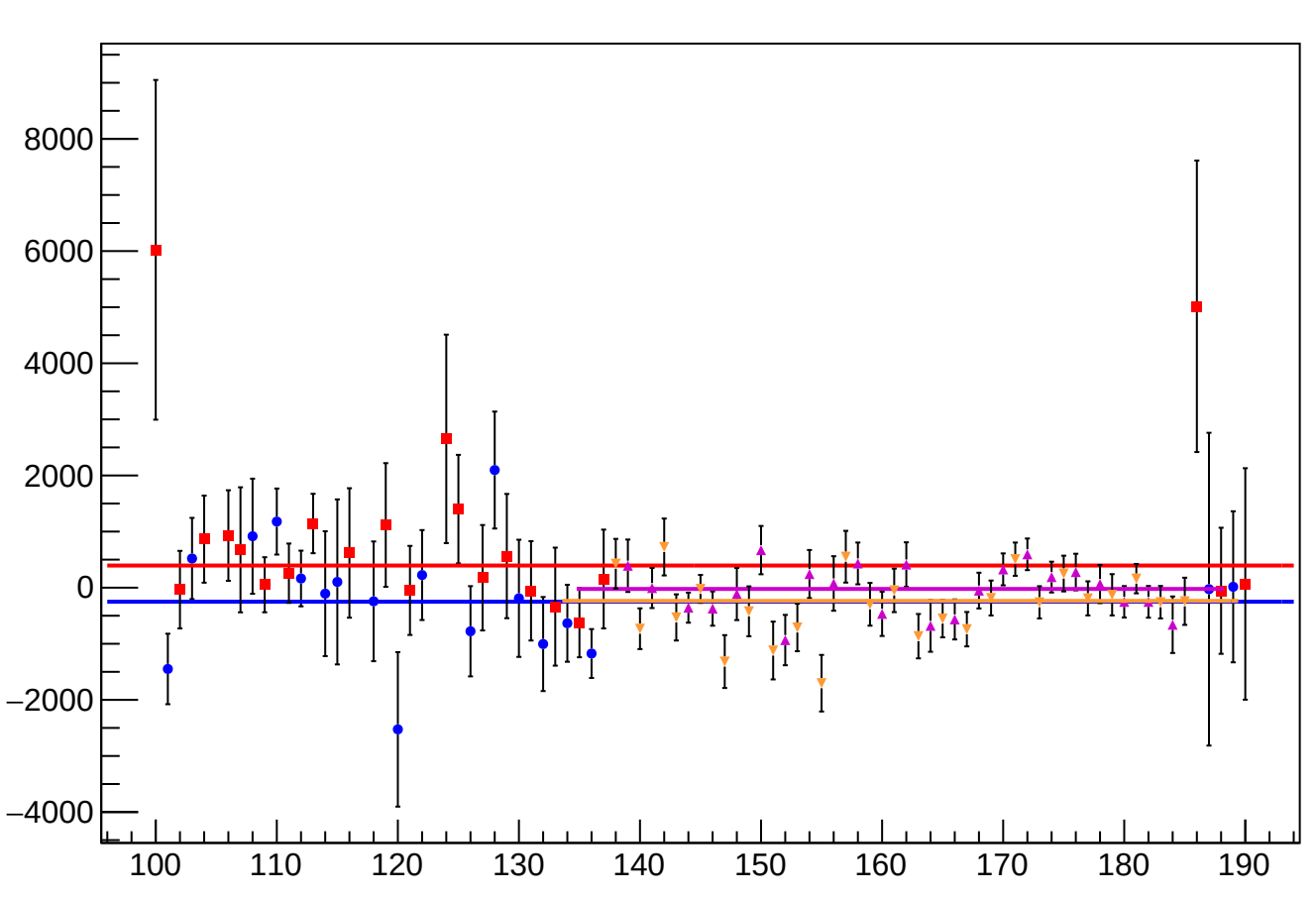
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 480.875+/-0.087 χ^2/NDF: 3744542.2/39

In: 325.390+/-0.047 χ^2/NDF:4395136.8/40

Out: 325.831+/-0.046 χ^2/NDF:5868442.1/46

All: 325.618+/-0.033 χ^2/NDF: 10263624.3/87



Right In: -250.639+/-184.294 χ^2/NDF: 27.0/17

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 394.795+/-178.901 χ^2/NDF: 17.6/21

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

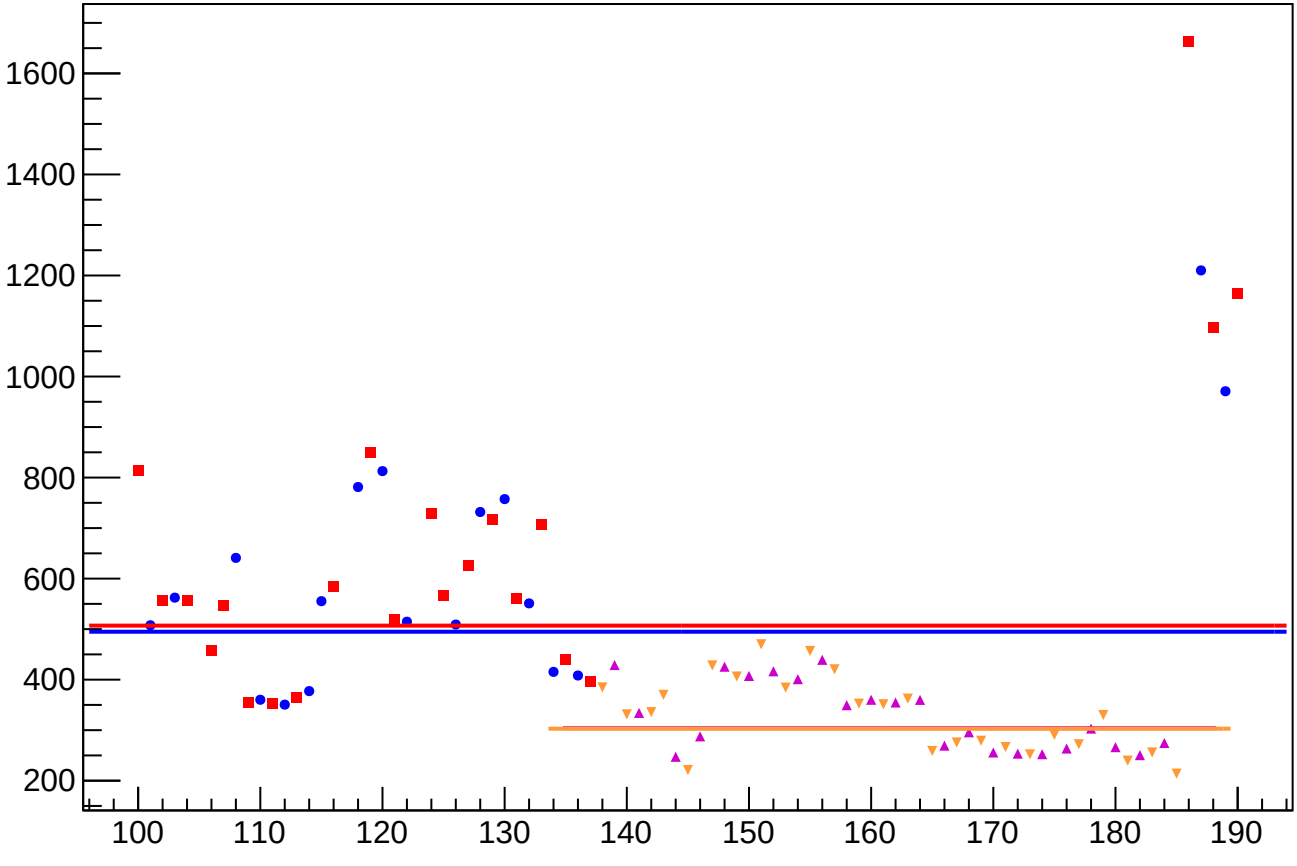
Right: 81.660+/-128.366 χ^2/NDF: 50.9/39

In: -53.319+/-67.582 χ^2/NDF:58.2/40

Out: -149.987+/-65.785 χ^2/NDF:75.8/46

All: -102.955+/-47.139 χ^2/NDF: 135.0/87

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 494.844+/-0.130 χ^2/NDF: 1336976.0/17

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 506.953+/-0.127 χ^2/NDF: 2187649.5/21

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

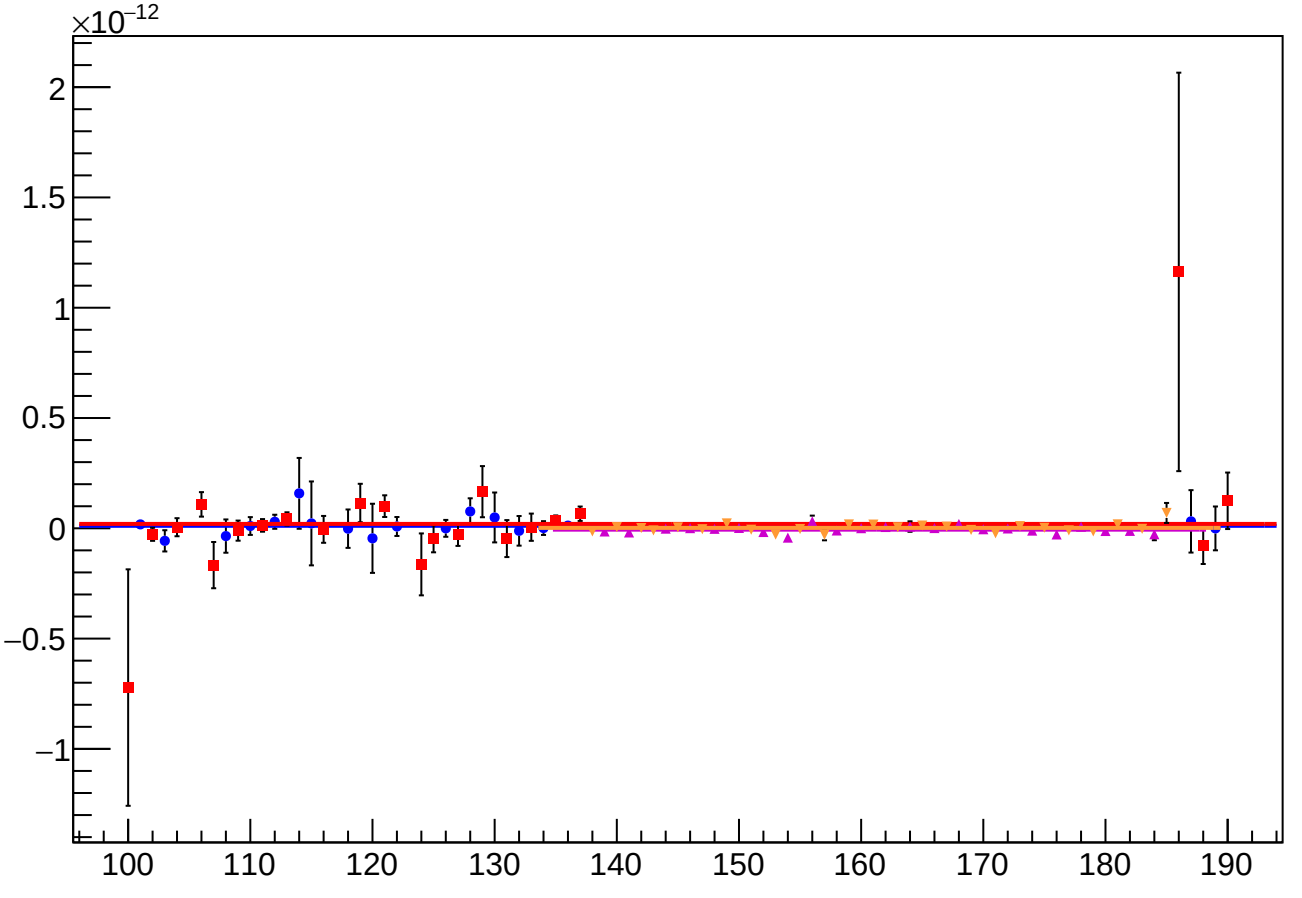
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 501.078+/-0.091 χ^2/NDF: 3529070.5/39

In: 329.597+/-0.048 χ^2/NDF:4571037.4/40

Out: 330.529+/-0.047 χ^2/NDF:6202830.6/46

All: 330.075+/-0.033 χ^2/NDF: 10774063.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/21

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

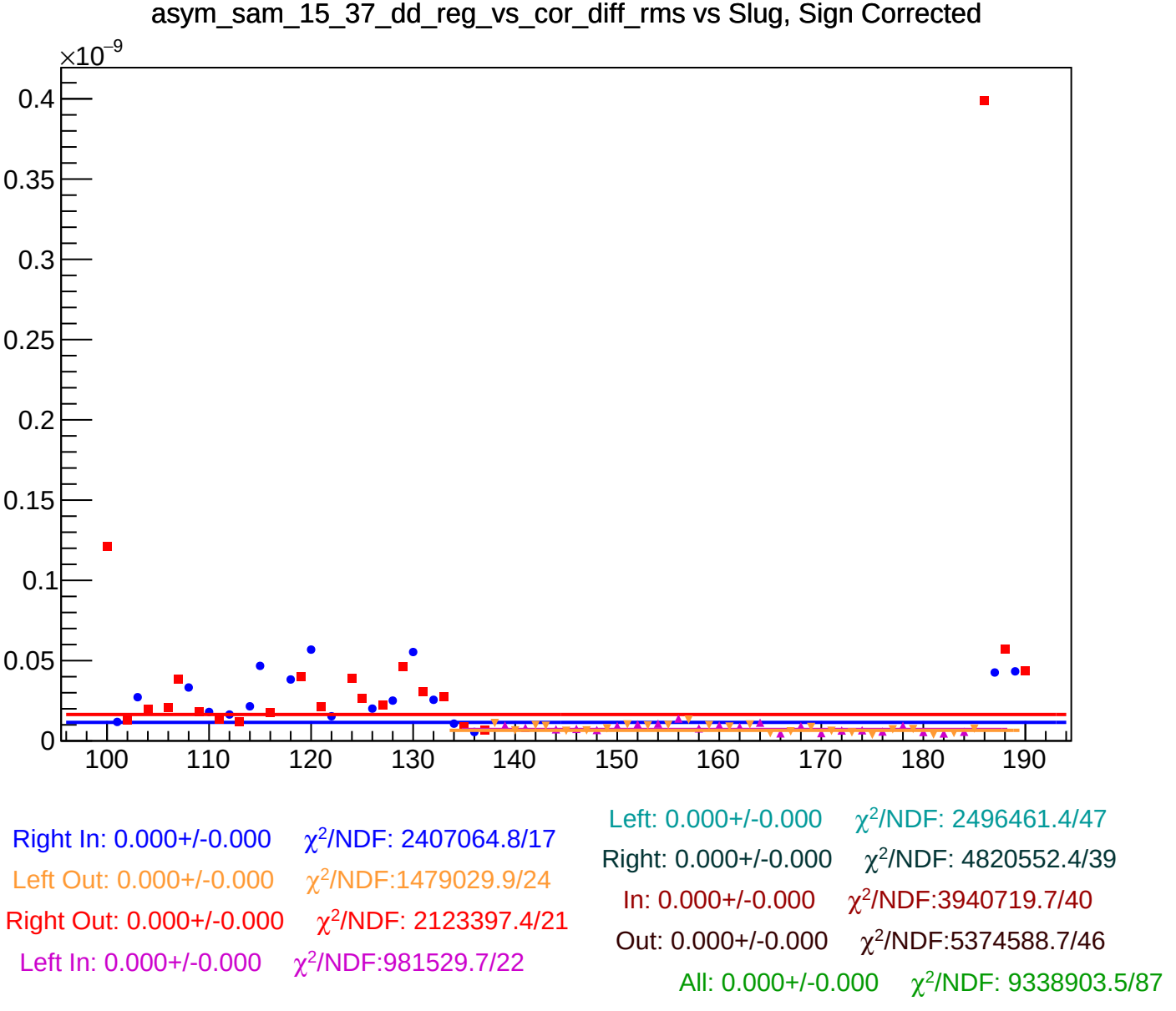
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 33.3/39

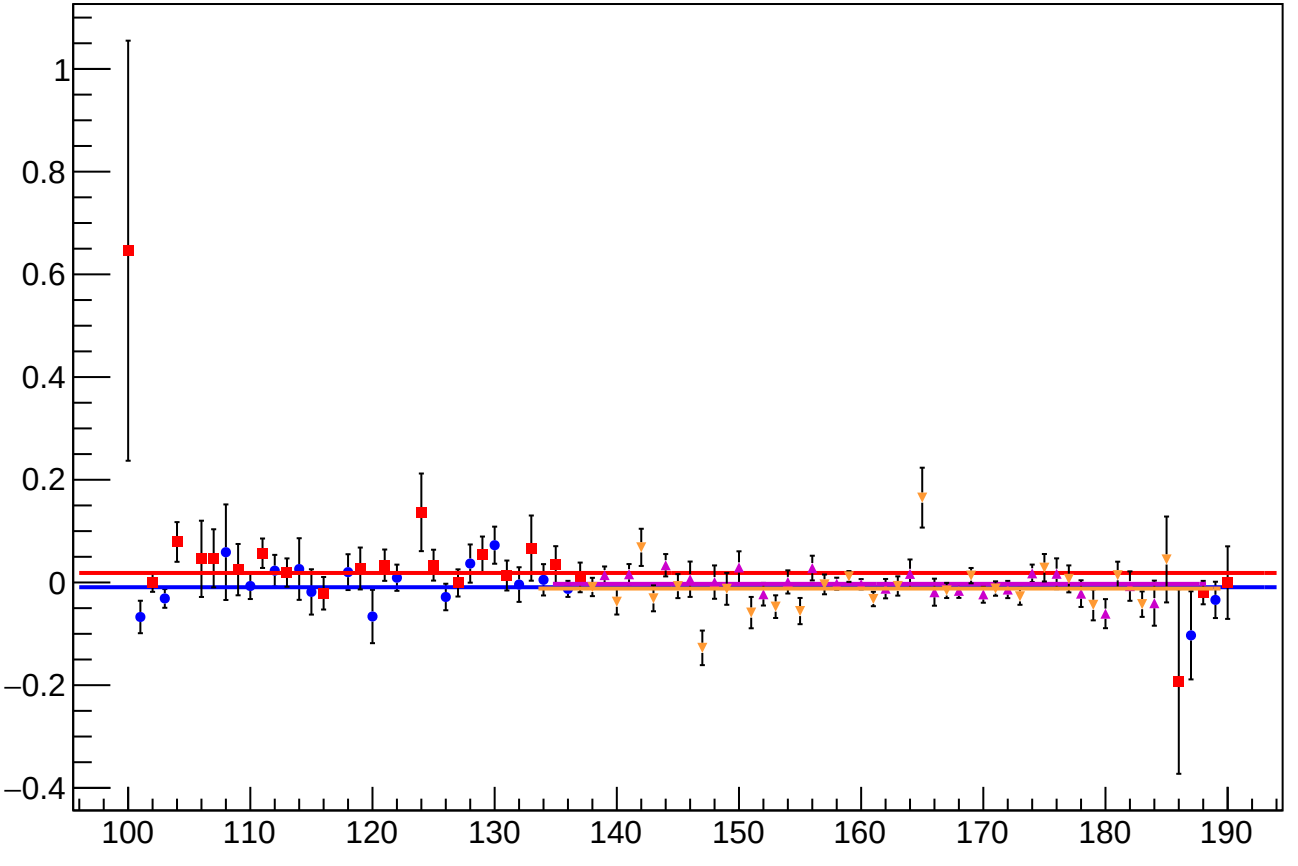
In: -0.000+/-0.000 χ^2/NDF:27.9/40

Out: 0.000+/-0.000 χ^2/NDF:53.2/46

All: -0.000+/-0.000 χ^2/NDF: 84.8/87


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2407064.8/17
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 2123397.4/21
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: 4820552.4/39
In: 0.000+/-0.000 χ²/NDF:3940719.7/40
Out: 0.000+/-0.000 χ²/NDF:5374588.7/46
All: 0.000+/-0.000 χ²/NDF: 9338903.5/87

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/21

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

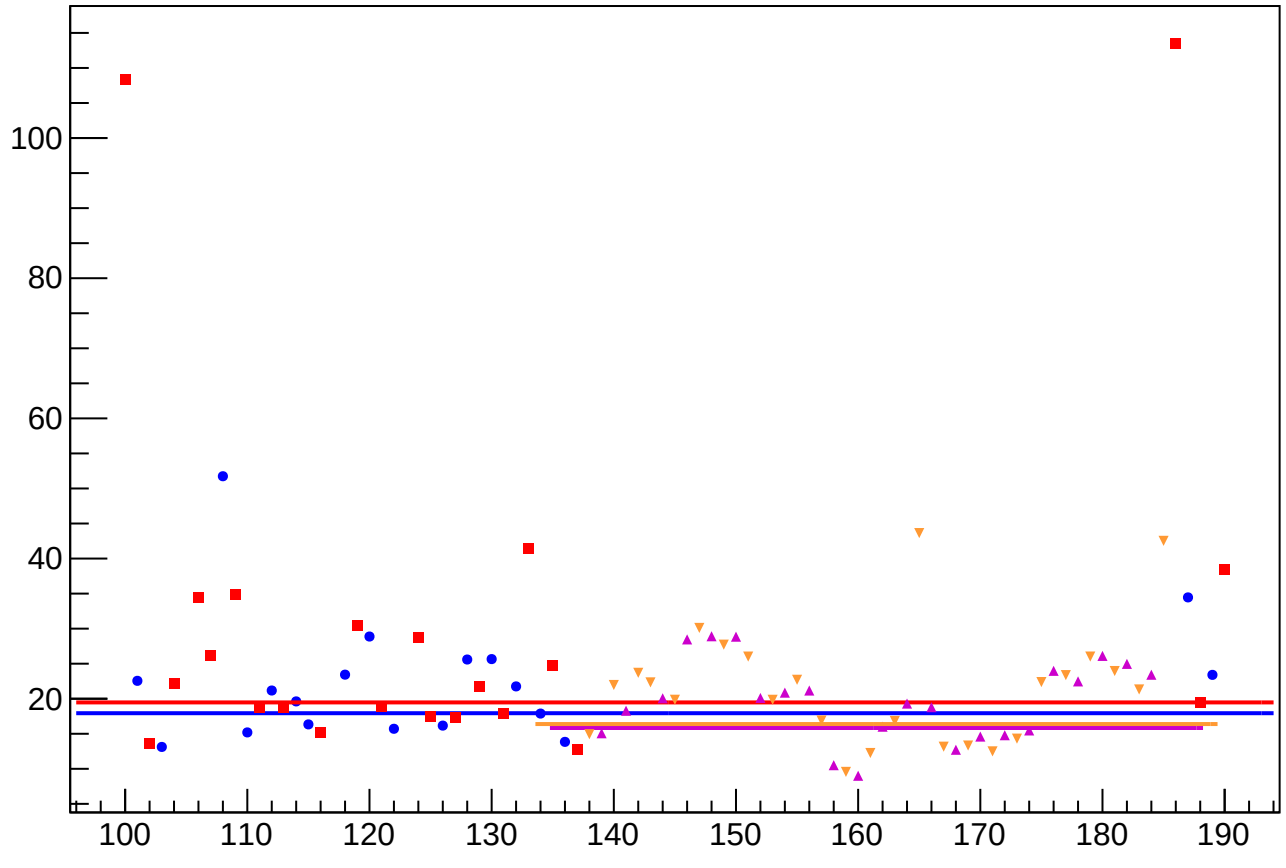
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.004+/-0.005 χ^2/NDF: 45.3/39

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/46

All: -0.004+/-0.002 χ^2/NDF: 124.8/87



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.474+/-0.005 χ^2/NDF: 1943155.3/21

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

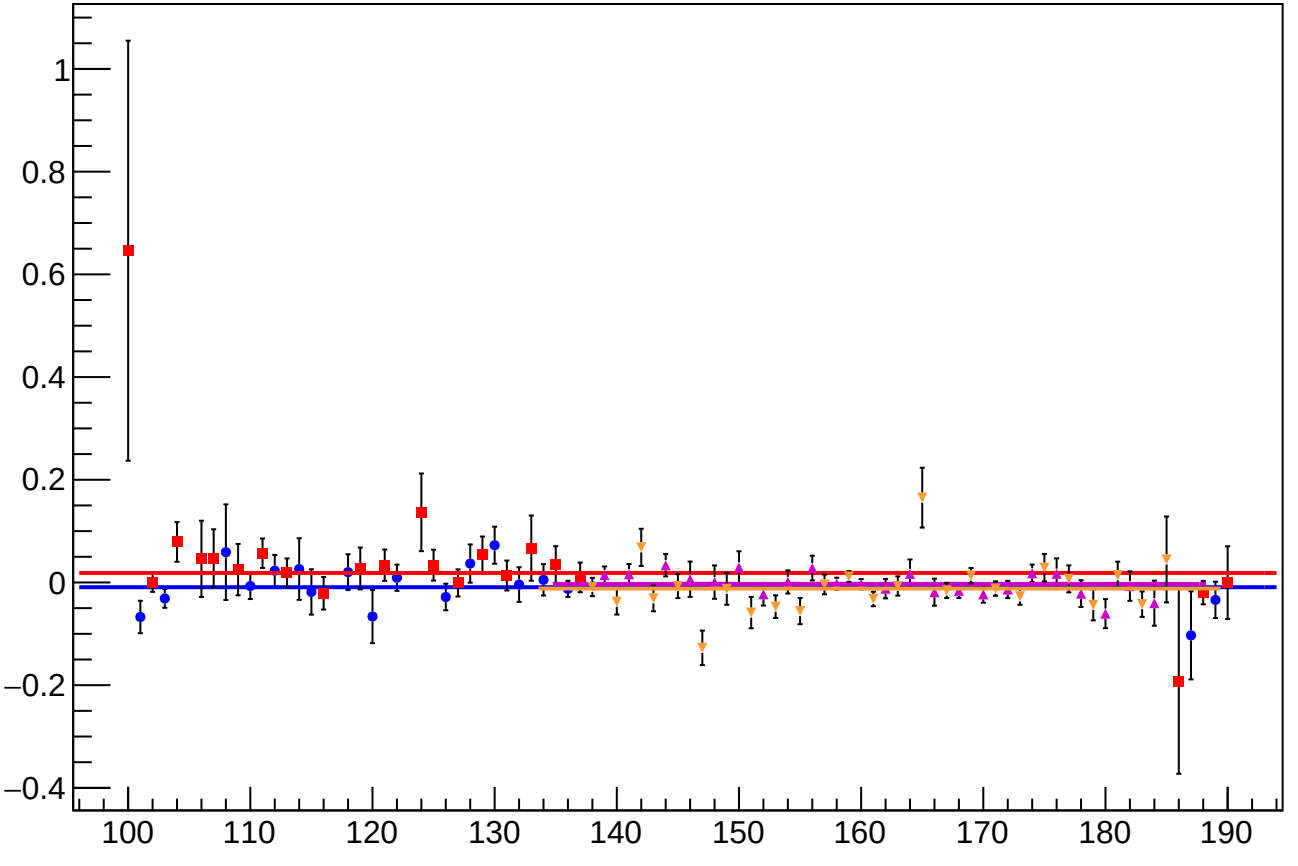
Right: 18.677+/-0.004 χ^2/NDF: 3109225.8/39

In: 16.347+/-0.002 χ^2/NDF:4909786.1/40

Out: 17.120+/-0.003 χ^2/NDF:6246866.6/46

All: 16.729+/-0.002 χ^2/NDF: 11204688.6/87

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/21

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

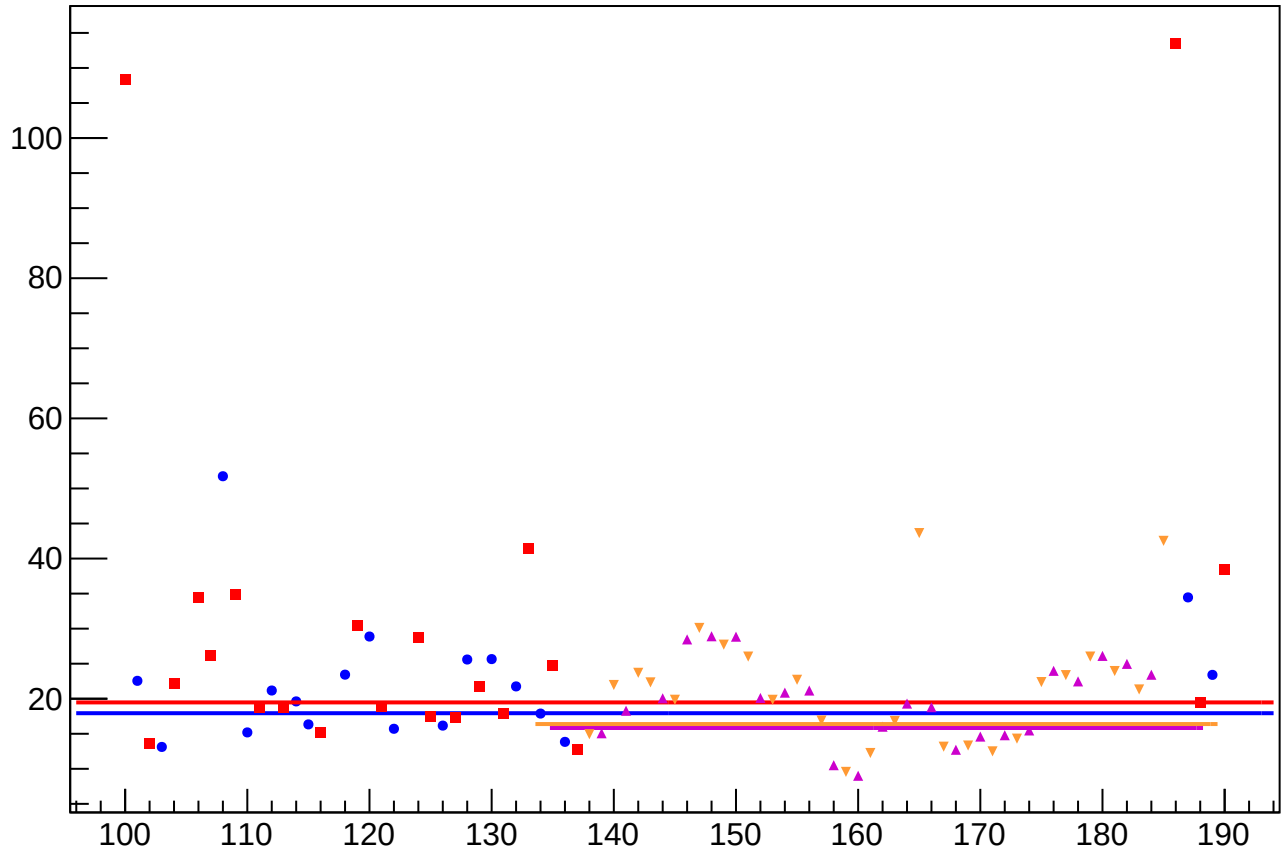
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.004+/-0.005 χ^2/NDF: 45.3/39

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/46

All: -0.004+/-0.002 χ^2/NDF: 124.8/87



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.474+/-0.005 χ^2/NDF: 1943155.3/21

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

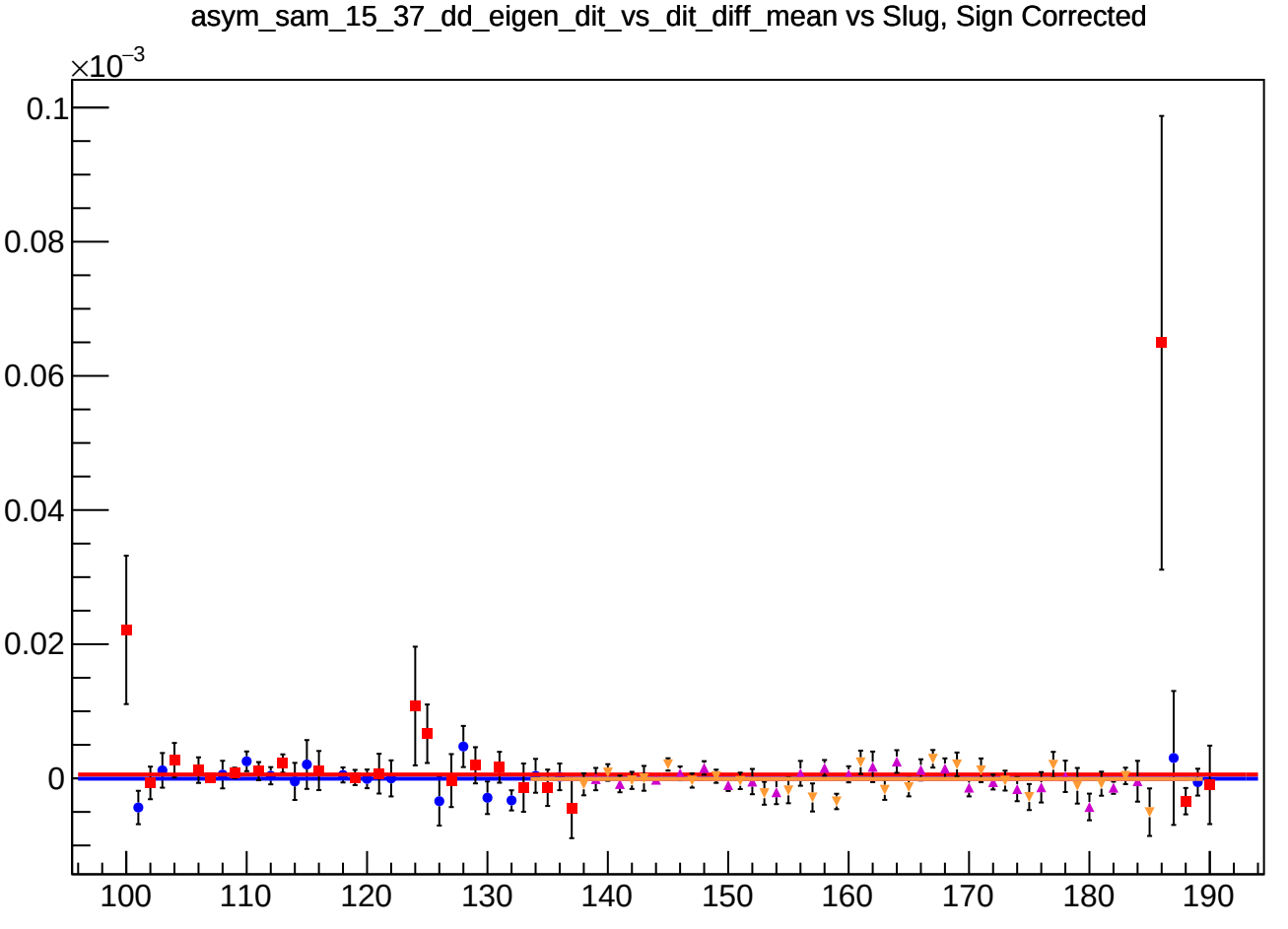
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 18.677+/-0.004 χ^2/NDF: 3109225.8/39

In: 16.347+/-0.002 χ^2/NDF:4909786.1/40

Out: 17.120+/-0.003 χ^2/NDF:6246866.6/46

All: 16.729+/-0.002 χ^2/NDF: 11204688.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

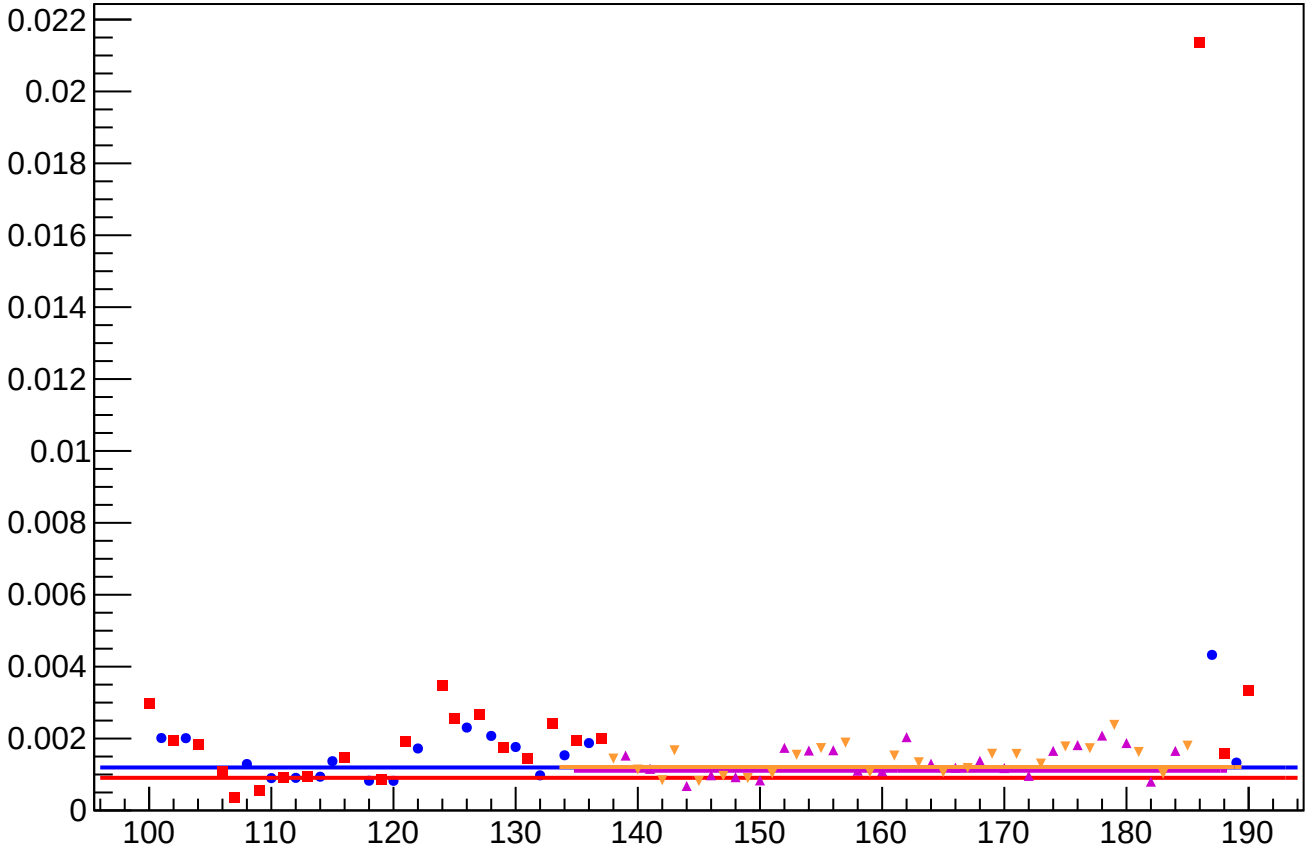
Right: 0.000+/-0.000 χ^2/NDF: 38.6/39

In: -0.000+/-0.000 χ^2/NDF:38.6/40

Out: 0.000+/-0.000 χ^2/NDF:58.9/46

All: 0.000+/-0.000 χ^2/NDF: 98.1/87

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2036105.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5765683.5/21

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

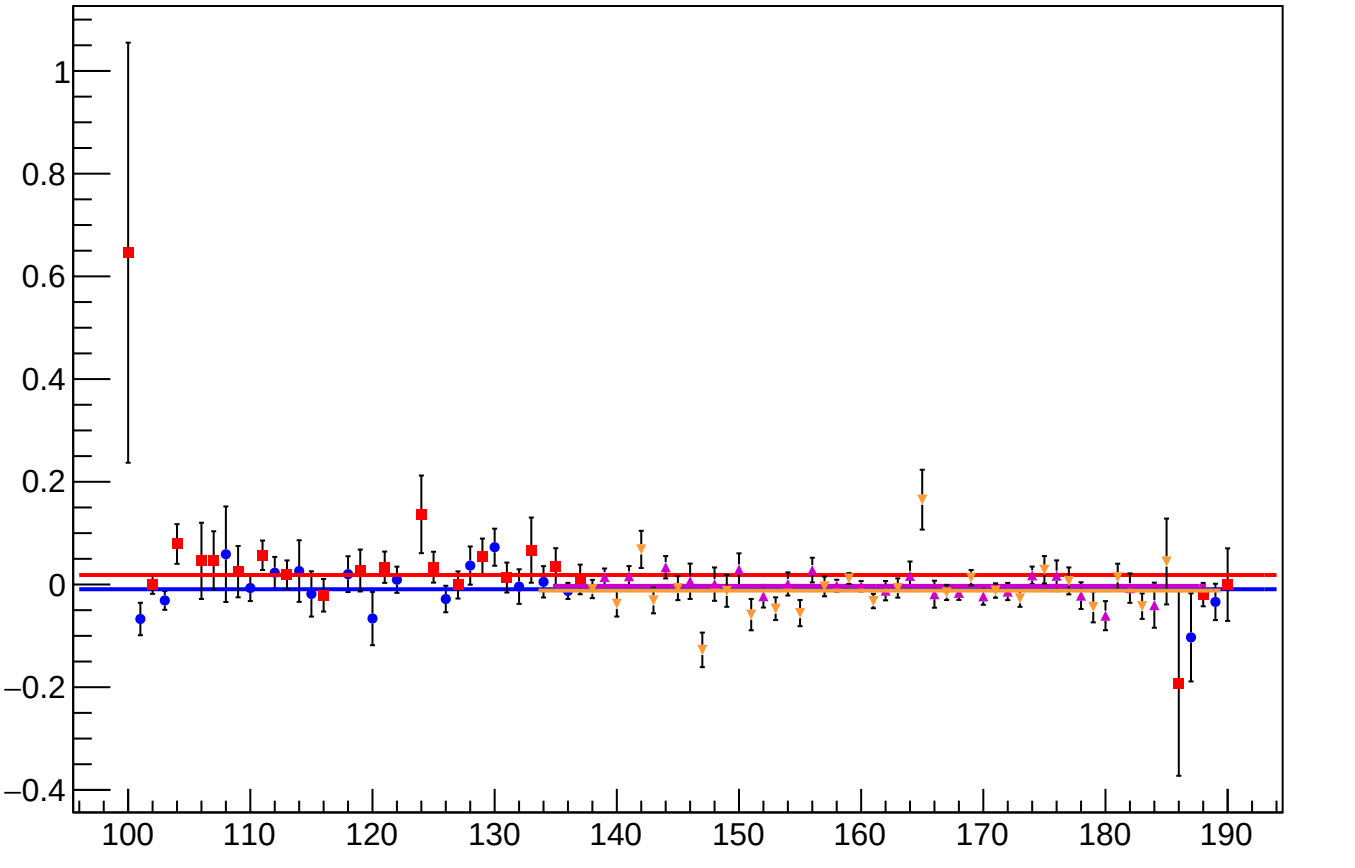
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 8274734.2/39

In: 0.001+/-0.000 χ^2/NDF:5589823.4/40

Out: 0.001+/-0.000 χ^2/NDF:9295873.5/46

All: 0.001+/-0.000 χ^2/NDF: 14905163.2/87



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/21

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

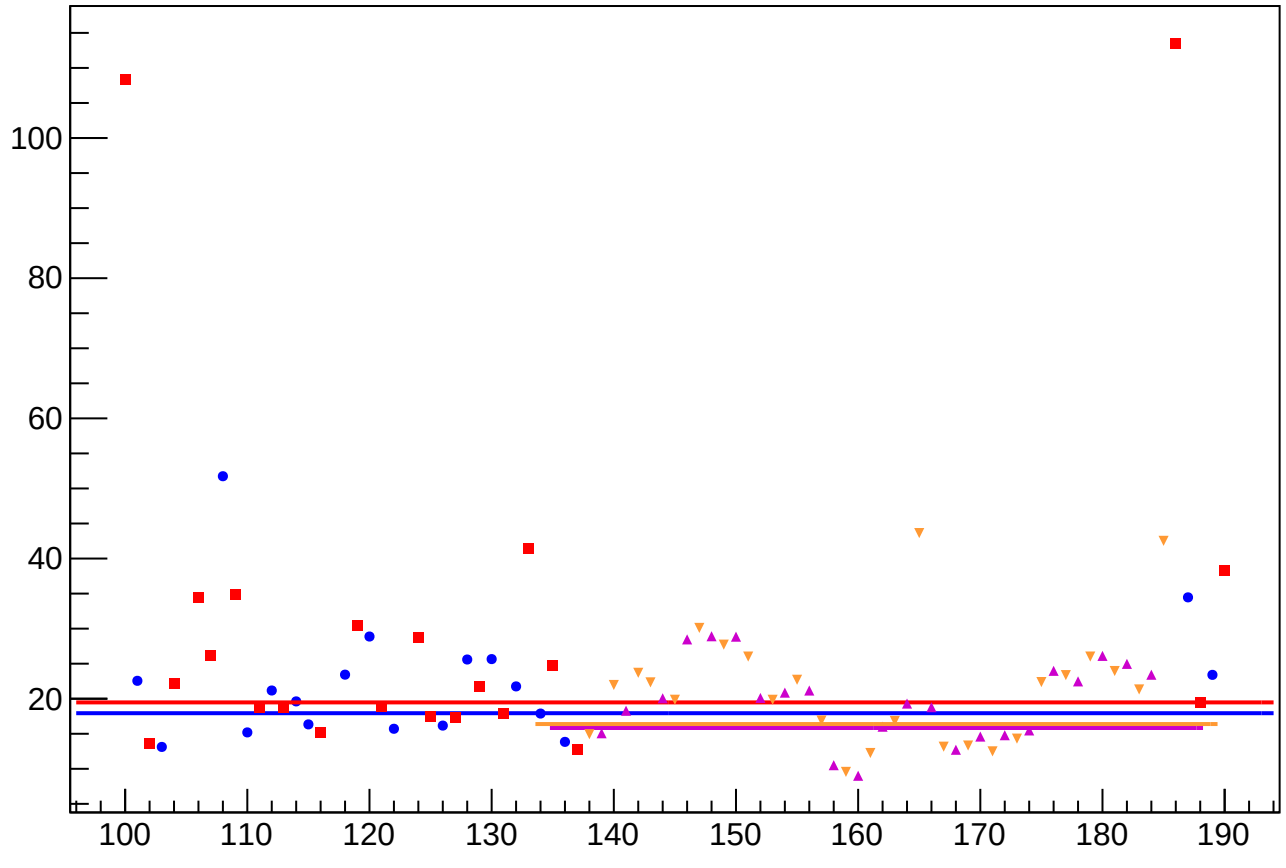
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.004+/-0.005 χ^2/NDF: 45.3/39

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/46

All: -0.004+/-0.002 χ^2/NDF: 124.8/87



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.475+/-0.005 χ^2/NDF: 1943033.3/21

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

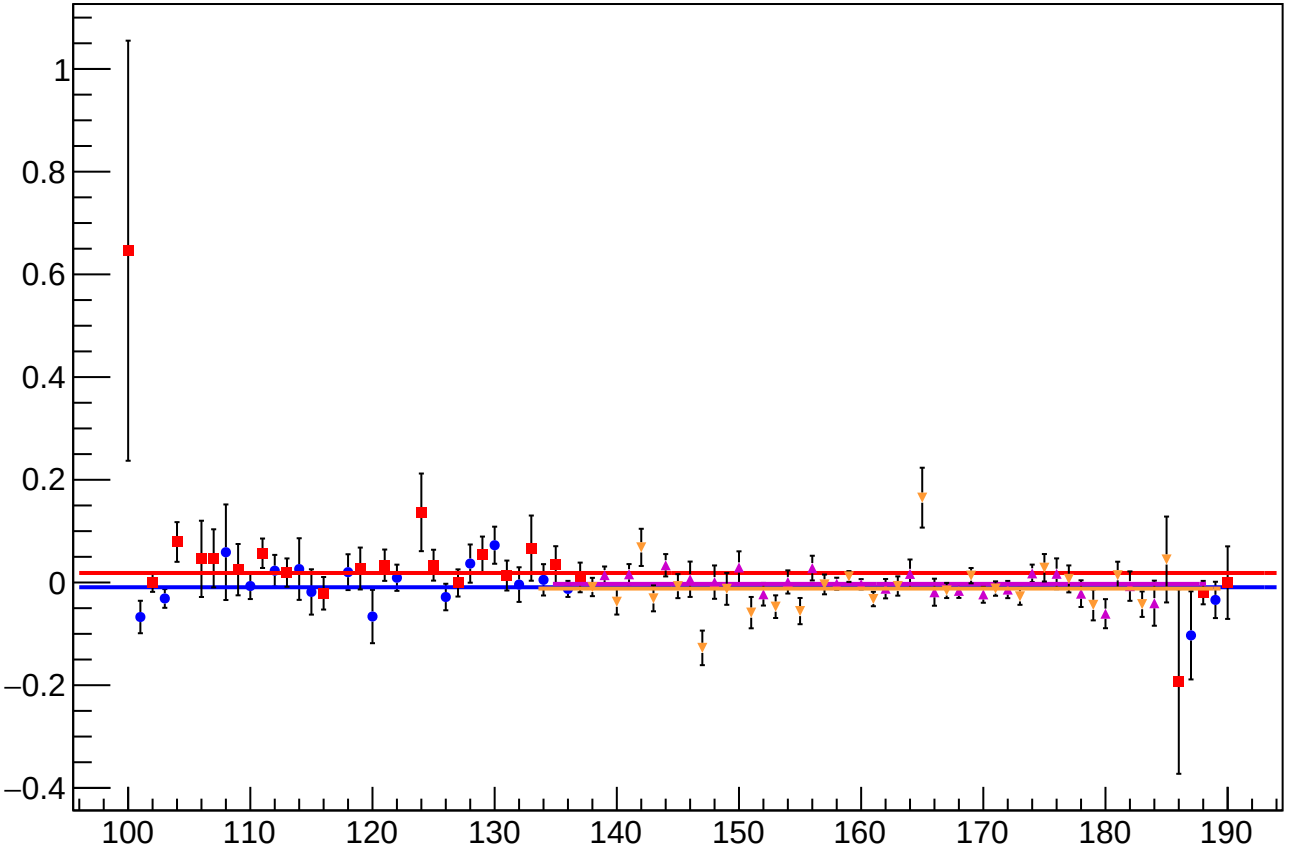
Right: 18.677+/-0.004 χ^2/NDF: 3109189.1/39

In: 16.347+/-0.002 χ^2/NDF:4910252.5/40

Out: 17.120+/-0.003 χ^2/NDF:6247113.1/46

All: 16.729+/-0.002 χ^2/NDF: 11205417.2/87

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/21

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

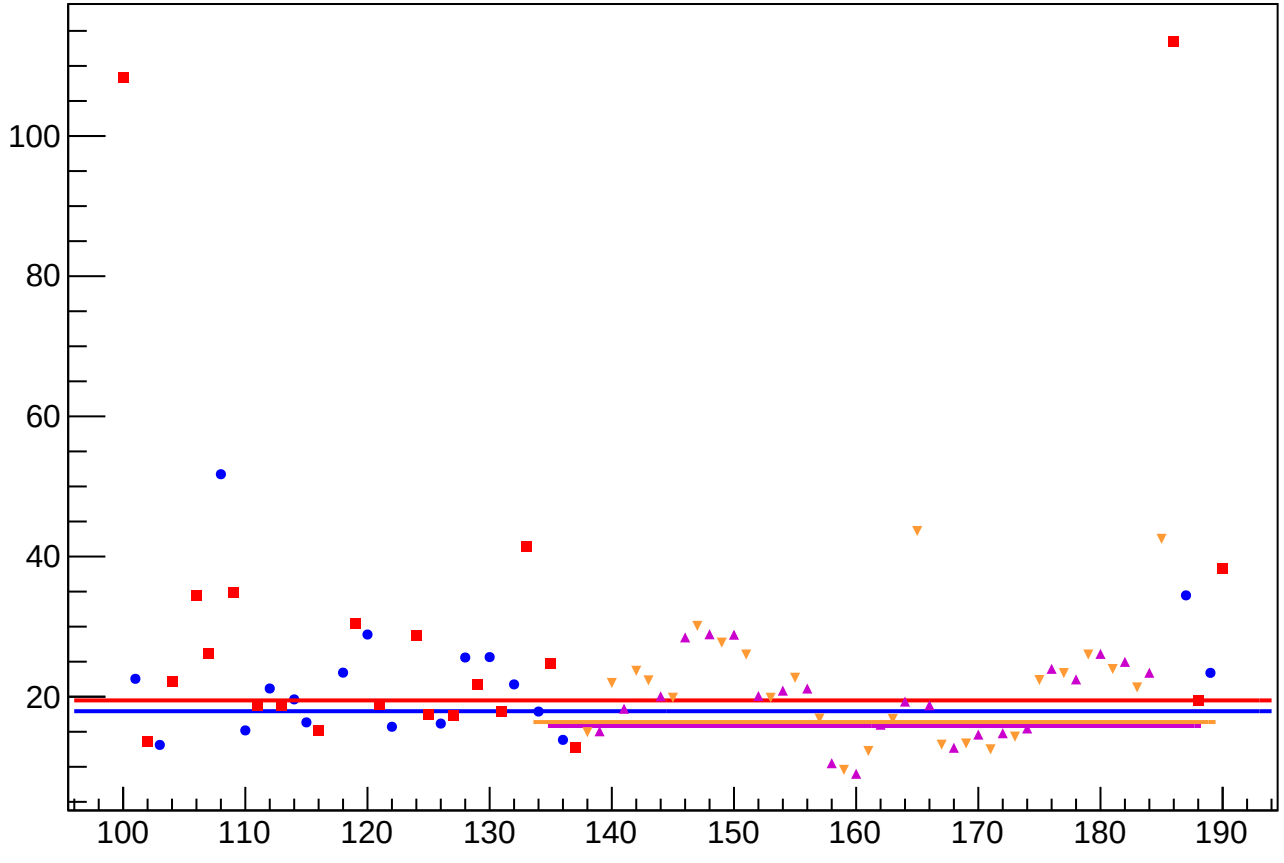
Right: 0.004+/-0.005 χ^2/NDF: 45.3/39

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/46

All: -0.004+/-0.002 χ^2/NDF: 124.8/87

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.475+/-0.005 χ^2/NDF: 1943033.3/21

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

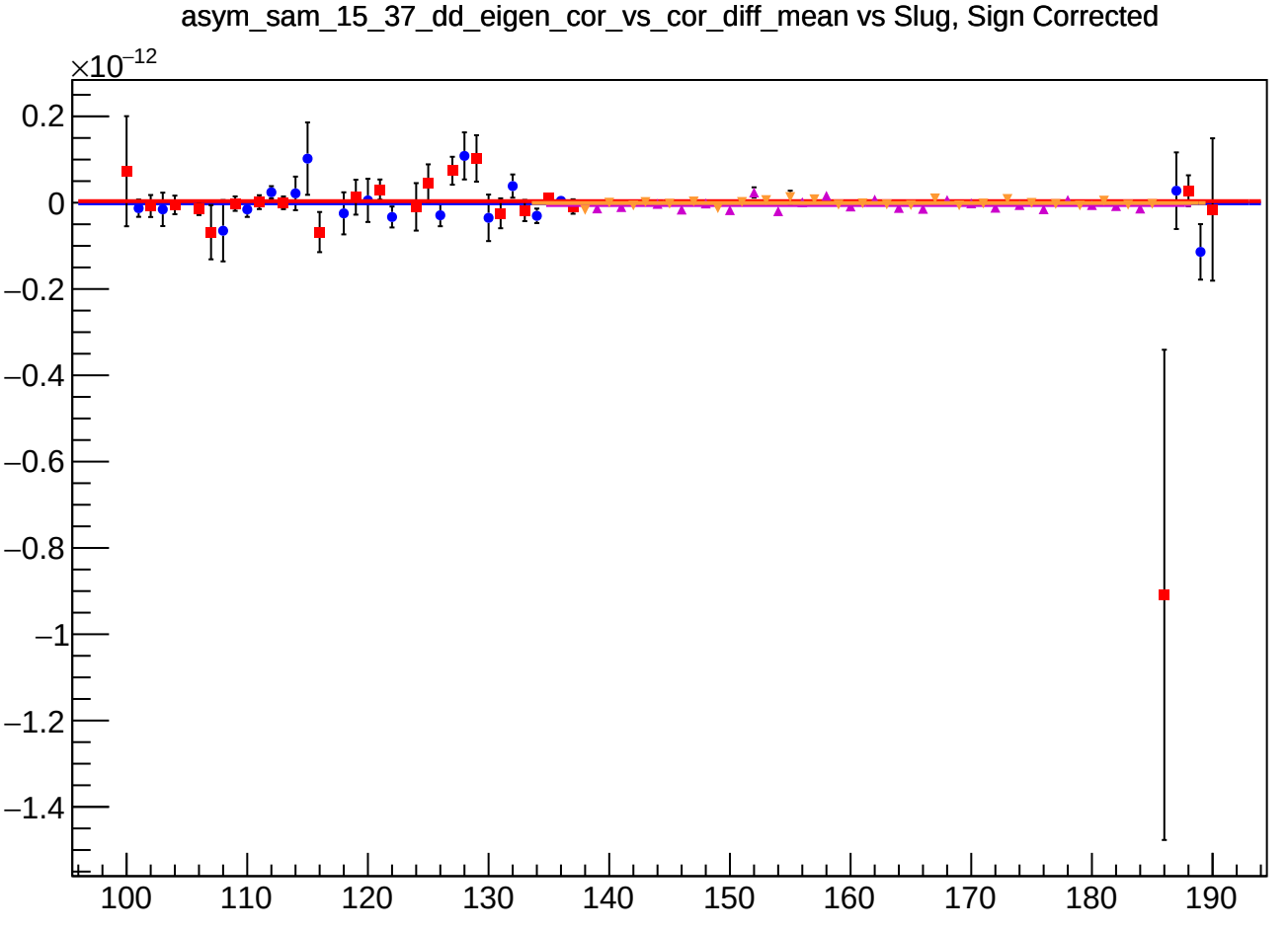
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 18.677+/-0.004 χ^2/NDF: 3109189.1/39

In: 16.347+/-0.002 χ^2/NDF:4910252.5/40

Out: 17.120+/-0.003 χ^2/NDF:6247113.1/46

All: 16.729+/-0.002 χ^2/NDF: 11205417.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/21

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

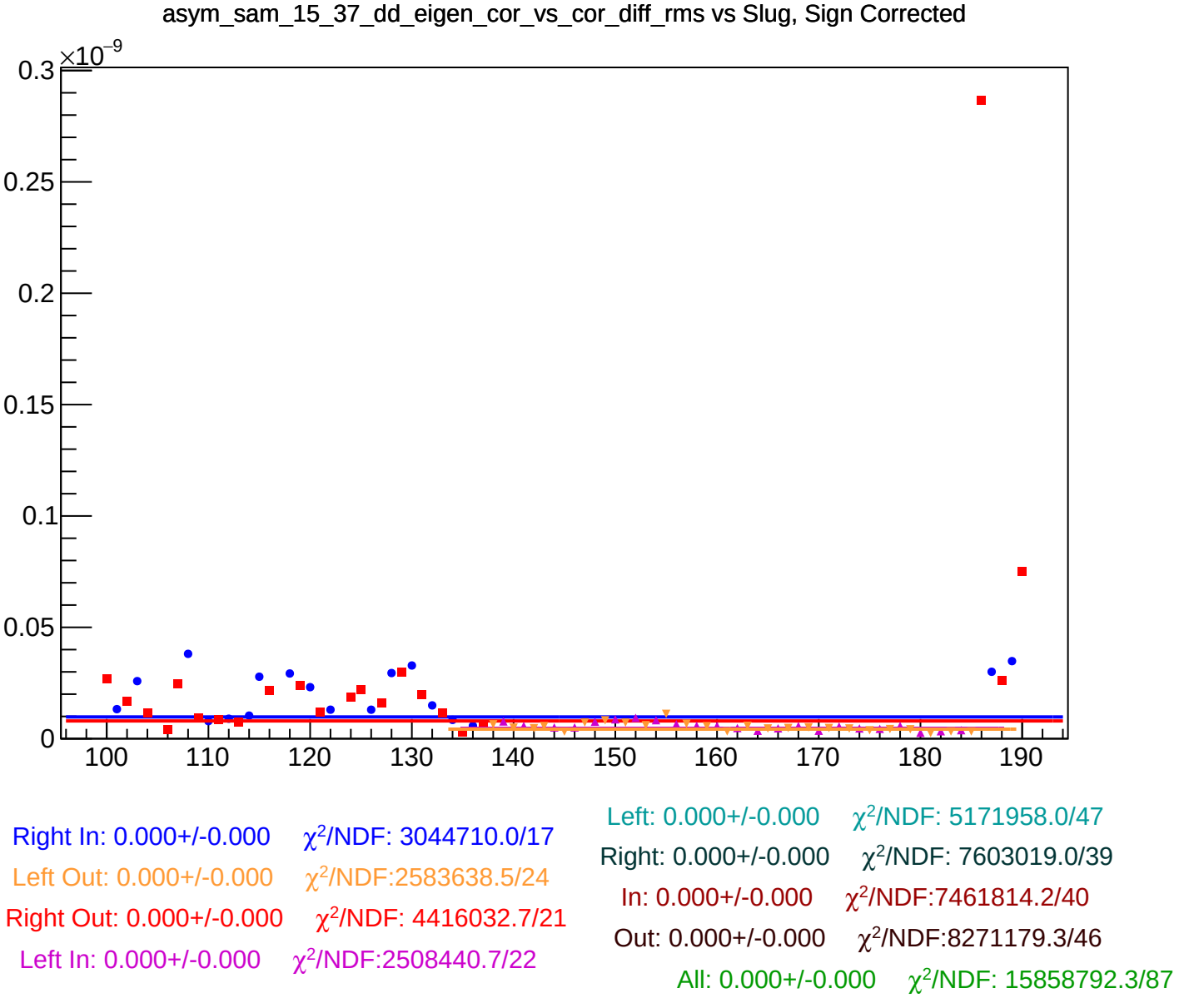
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

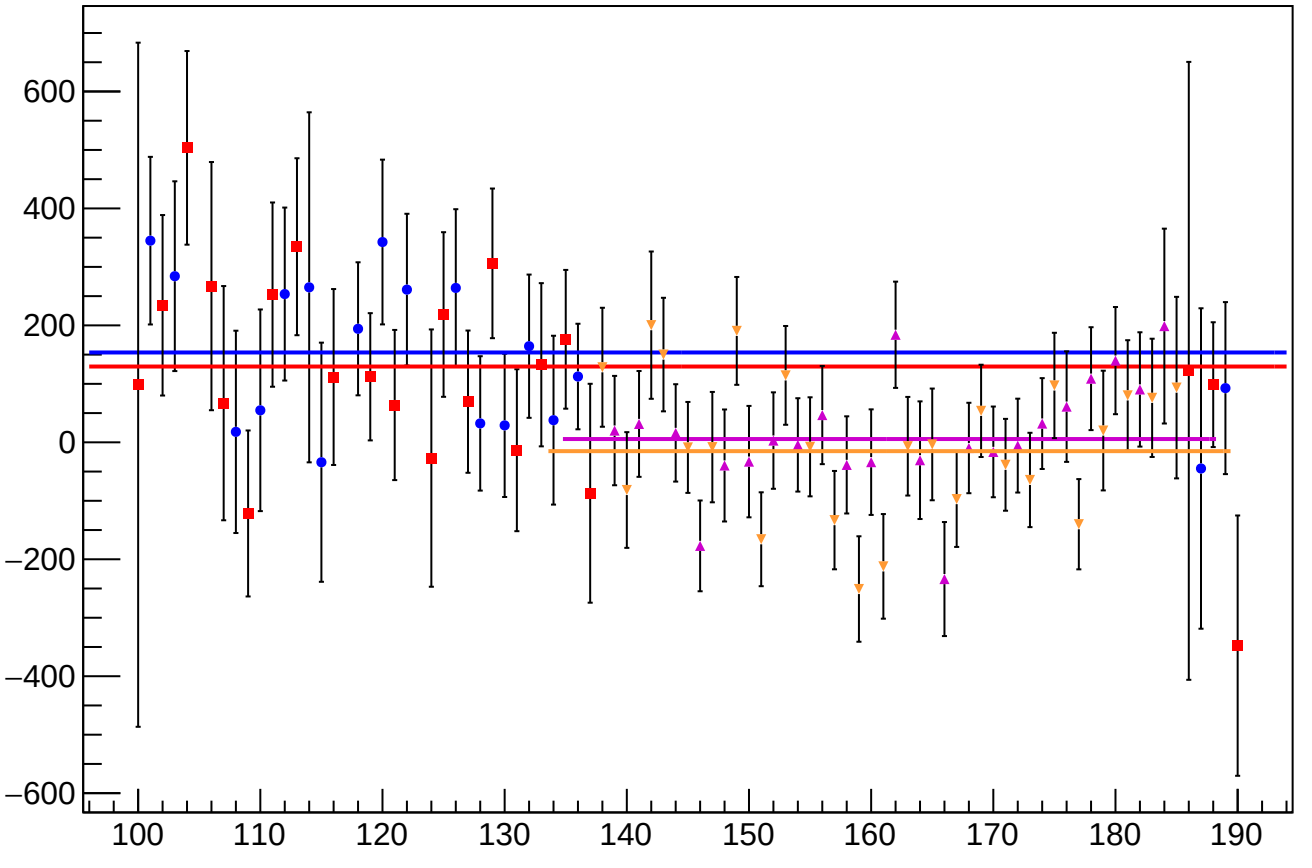
Right: 0.000+/-0.000 χ^2/NDF: 46.2/39

In: -0.000+/-0.000 χ^2/NDF:62.0/40

Out: -0.000+/-0.000 χ^2/NDF:42.2/46

All: -0.000+/-0.000 χ^2/NDF: 110.7/87


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3044710.0/17
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4416032.7/21
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: 7603019.0/39
In: 0.000+/-0.000 χ²/NDF:7461814.2/40
Out: 0.000+/-0.000 χ²/NDF:8271179.3/46
All: 0.000+/-0.000 χ²/NDF: 15858792.3/87



Right In: 153.650+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 129.622+/-32.177 χ^2/NDF: 22.3/21

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

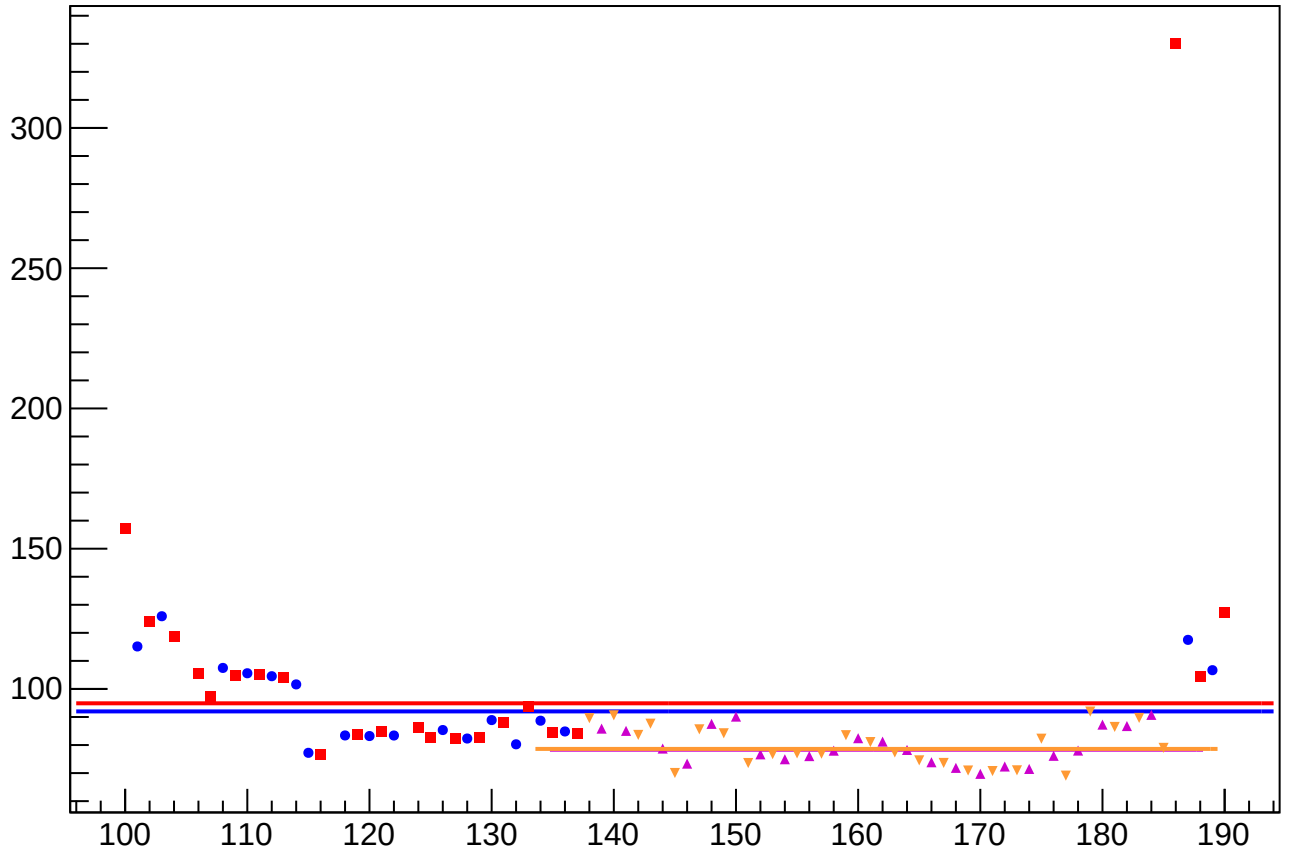
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 141.318+/-23.052 χ^2/NDF: 34.3/39

In: 40.615+/-16.063 χ^2/NDF:50.1/40

Out: 19.268+/-15.680 χ^2/NDF:79.3/46

All: 29.684+/-11.221 χ^2/NDF: 130.4/87



Right In: 91.992+/-0.023 χ^2/NDF: 312481.8/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.878+/-0.023 χ^2/NDF: 769573.6/21

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

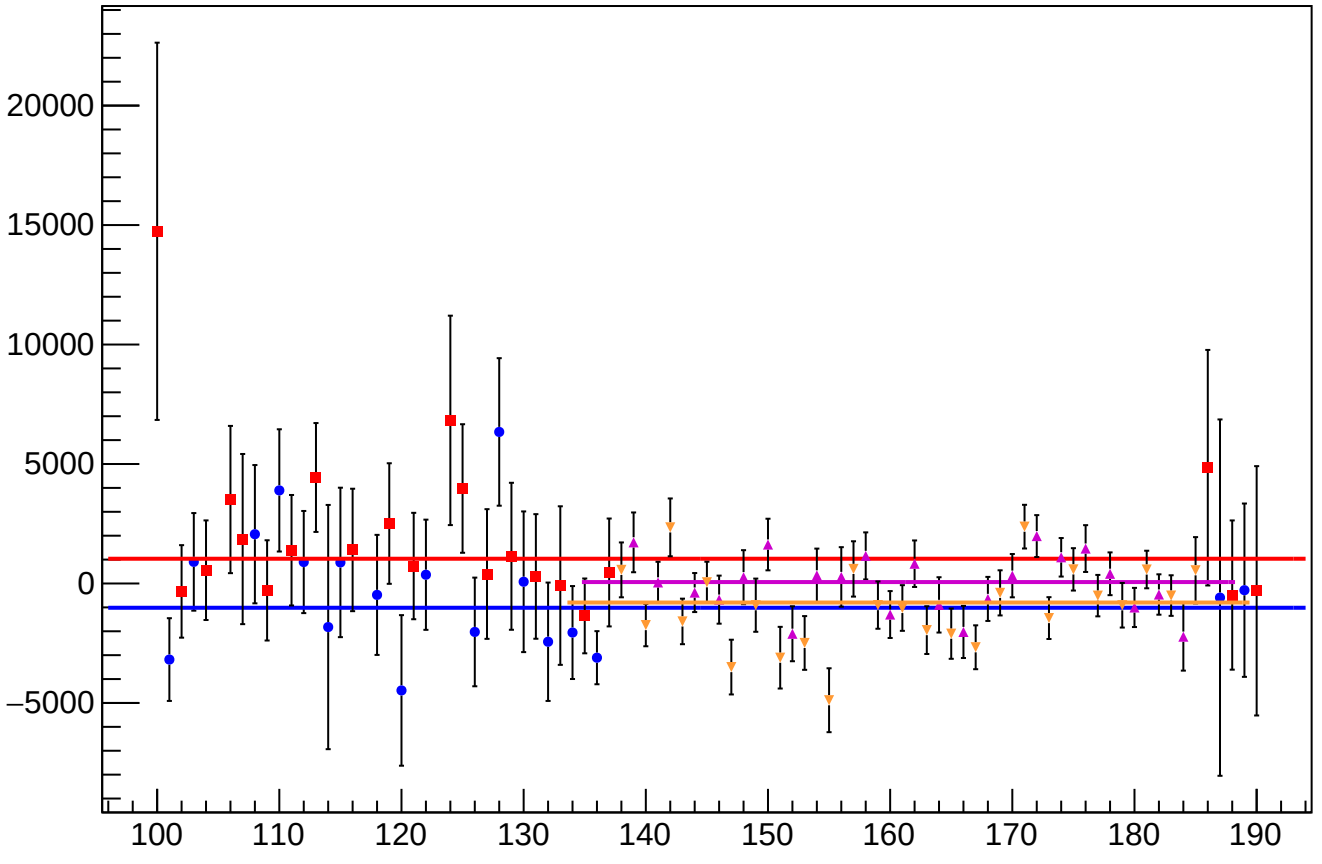
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 93.473+/-0.016 χ^2/NDF: 1089890.3/39

In: 81.562+/-0.011 χ^2/NDF:782578.7/40

Out: 82.480+/-0.011 χ^2/NDF:1466248.0/46

All: 82.032+/-0.008 χ^2/NDF: 2252166.6/87



Right In: -1015.803+/-542.542 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1035.861+/-553.013 χ^2/NDF: 13.8/21

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

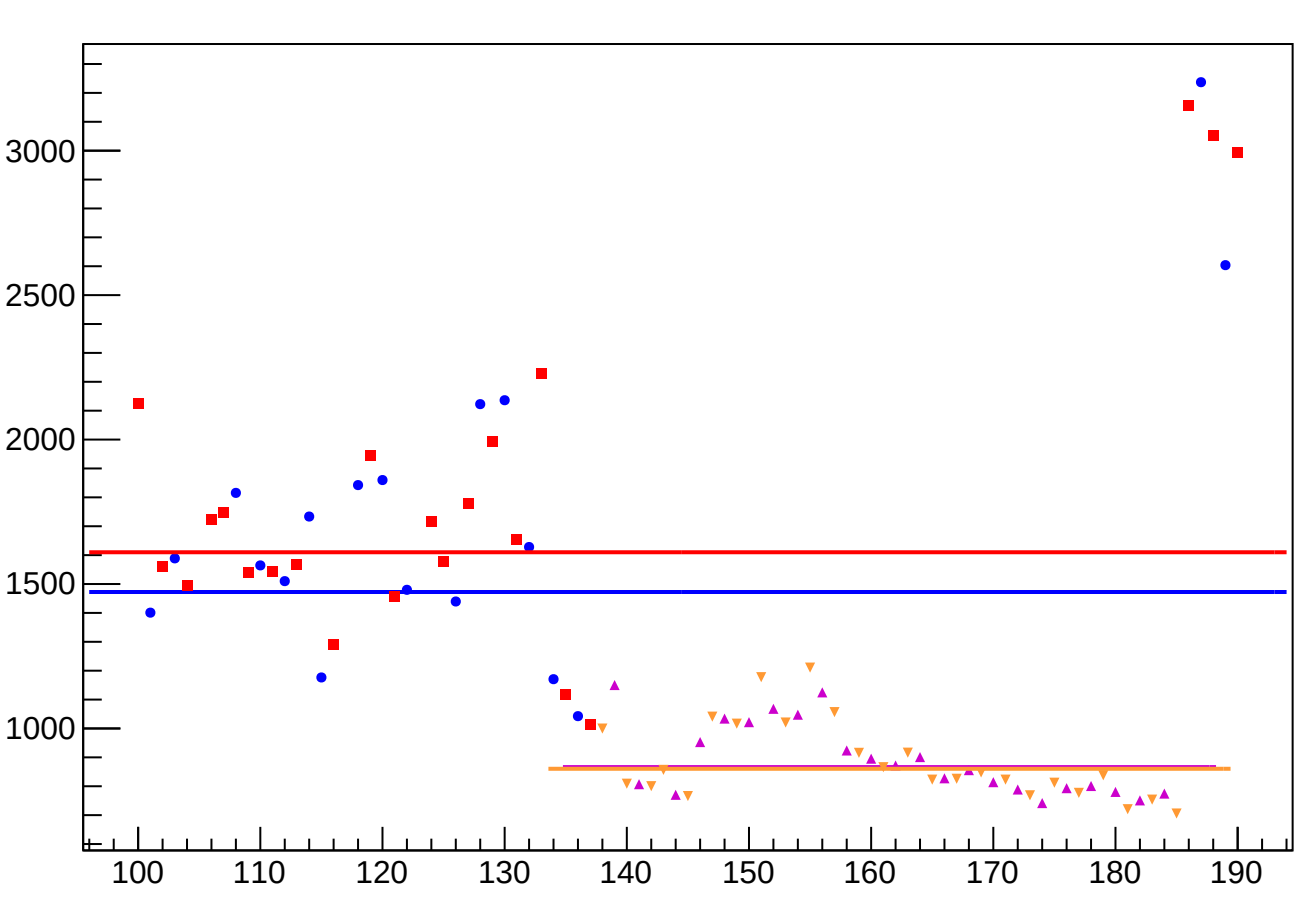
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -9.579+/-387.284 χ^2/NDF: 41.1/39

In: -74.202+/-191.306 χ^2/NDF:54.2/40

Out: -588.957+/-186.315 χ^2/NDF:83.0/46

All: -338.381+/-133.474 χ^2/NDF: 140.9/87



Right In: 1472.376+/-0.384 χ^2/NDF: 990678.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1609.950+/-0.391 χ^2/NDF: 1314500.4/21

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

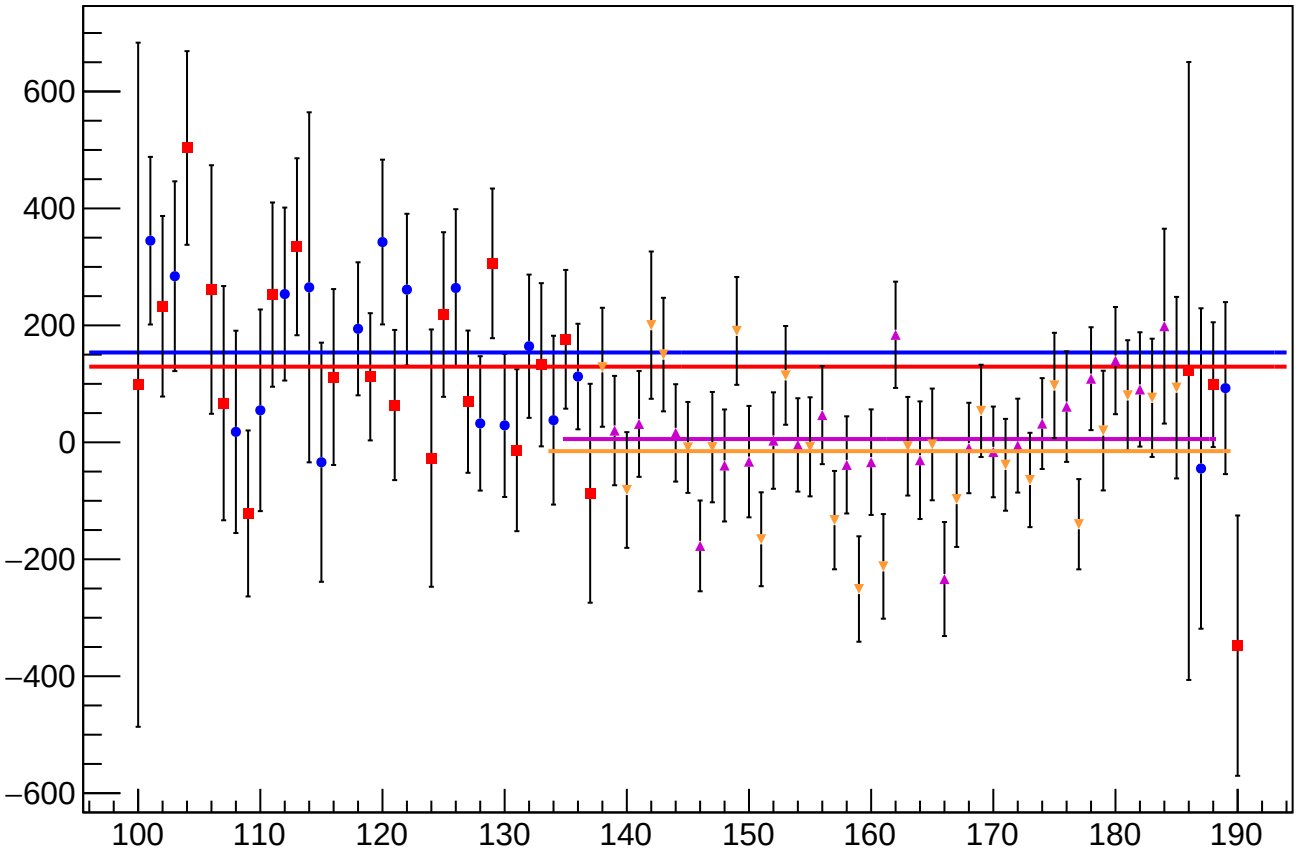
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1539.848+/-0.274 χ^2/NDF: 2368248.8/39

In: 941.701+/-0.135 χ^2/NDF:3789094.2/40

Out: 945.561+/-0.132 χ^2/NDF:5270083.8/46

All: 943.682+/-0.094 χ^2/NDF: 9059595.9/87



Right In: 153.647+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 129.394+/-32.179 χ^2/NDF: 22.2/21

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

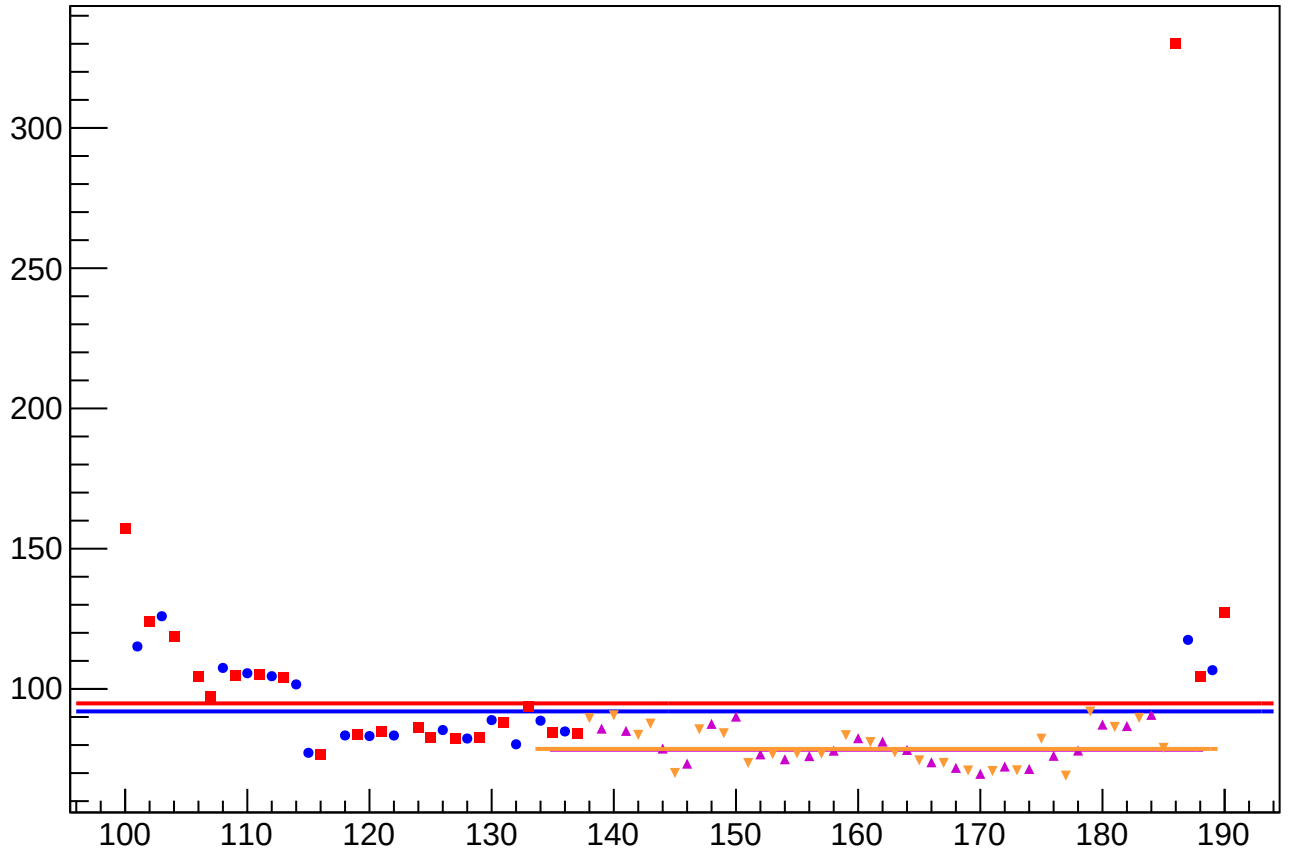
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 141.200+/-23.052 χ^2/NDF: 34.3/39

In: 40.611+/-16.063 χ^2/NDF:50.1/40

Out: 19.213+/-15.681 χ^2/NDF:79.2/46

All: 29.654+/-11.221 χ^2/NDF: 130.3/87



Right In: 91.992+/-0.023 χ^2/NDF: 312483.5/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.849+/-0.023 χ^2/NDF: 768617.1/21

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

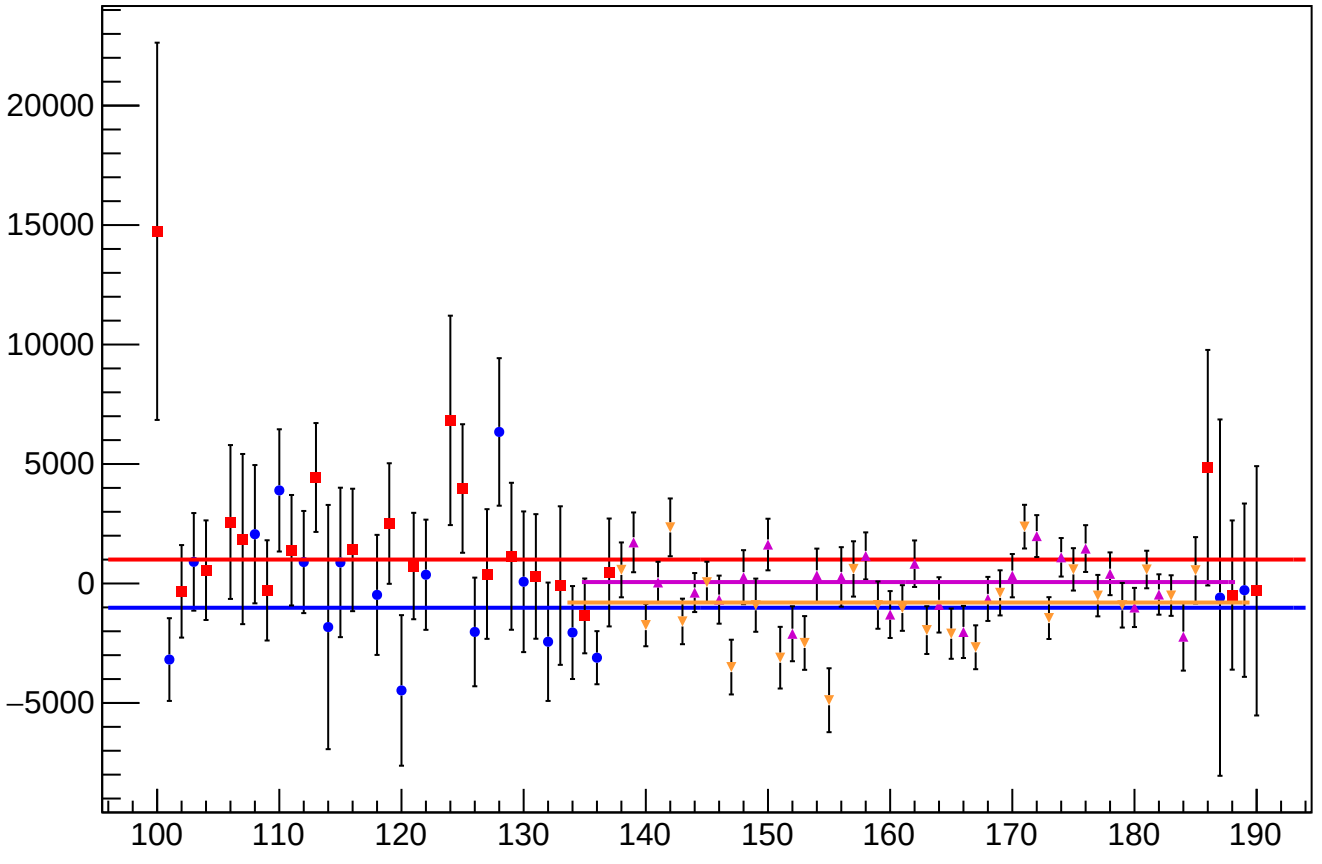
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 93.458+/-0.016 χ^2/NDF: 1088778.8/39

In: 81.562+/-0.011 χ^2/NDF:782580.7/40

Out: 82.472+/-0.011 χ^2/NDF:1463873.0/46

All: 82.028+/-0.008 χ^2/NDF: 2249741.3/87



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1001.686+/-553.783 χ^2/NDF: 13.4/21

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

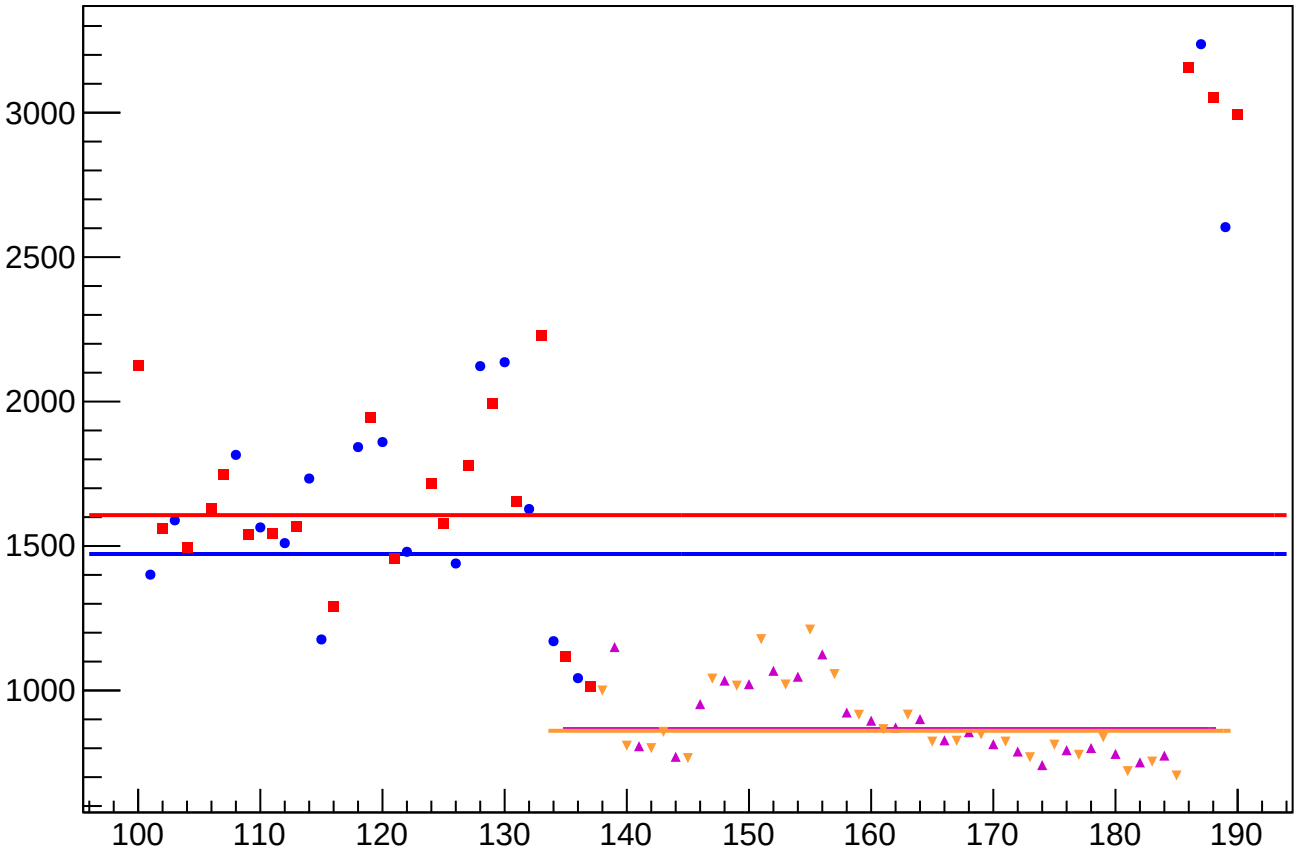
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -27.727+/-387.549 χ^2/NDF: 40.4/39

In: -74.198+/-191.306 χ^2/NDF:54.2/40

Out: -593.338+/-186.344 χ^2/NDF:82.2/46

All: -340.587+/-133.485 χ^2/NDF: 140.2/87



Right In: 1472.380+/-0.384 χ^2/NDF: 990685.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1606.919+/-0.392 χ^2/NDF: 1311804.4/21

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

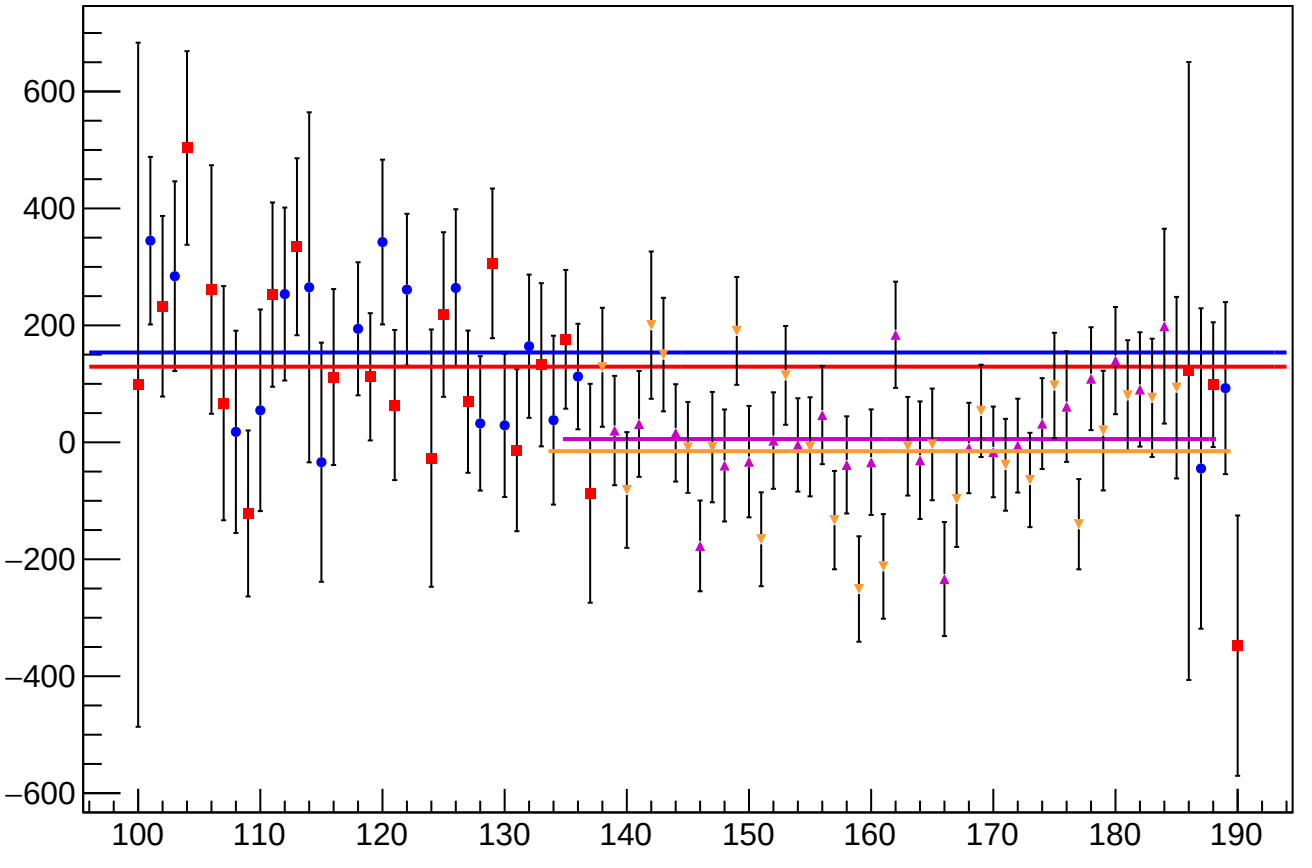
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1538.270+/-0.274 χ^2/NDF: 2362722.3/39

In: 941.701+/-0.135 χ^2/NDF:3789112.5/40

Out: 945.009+/-0.132 χ^2/NDF:5233146.3/46

All: 943.398+/-0.094 χ^2/NDF: 9022565.5/87



Right In: 153.647+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 129.394+/-32.179 χ^2/NDF: 22.2/21

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

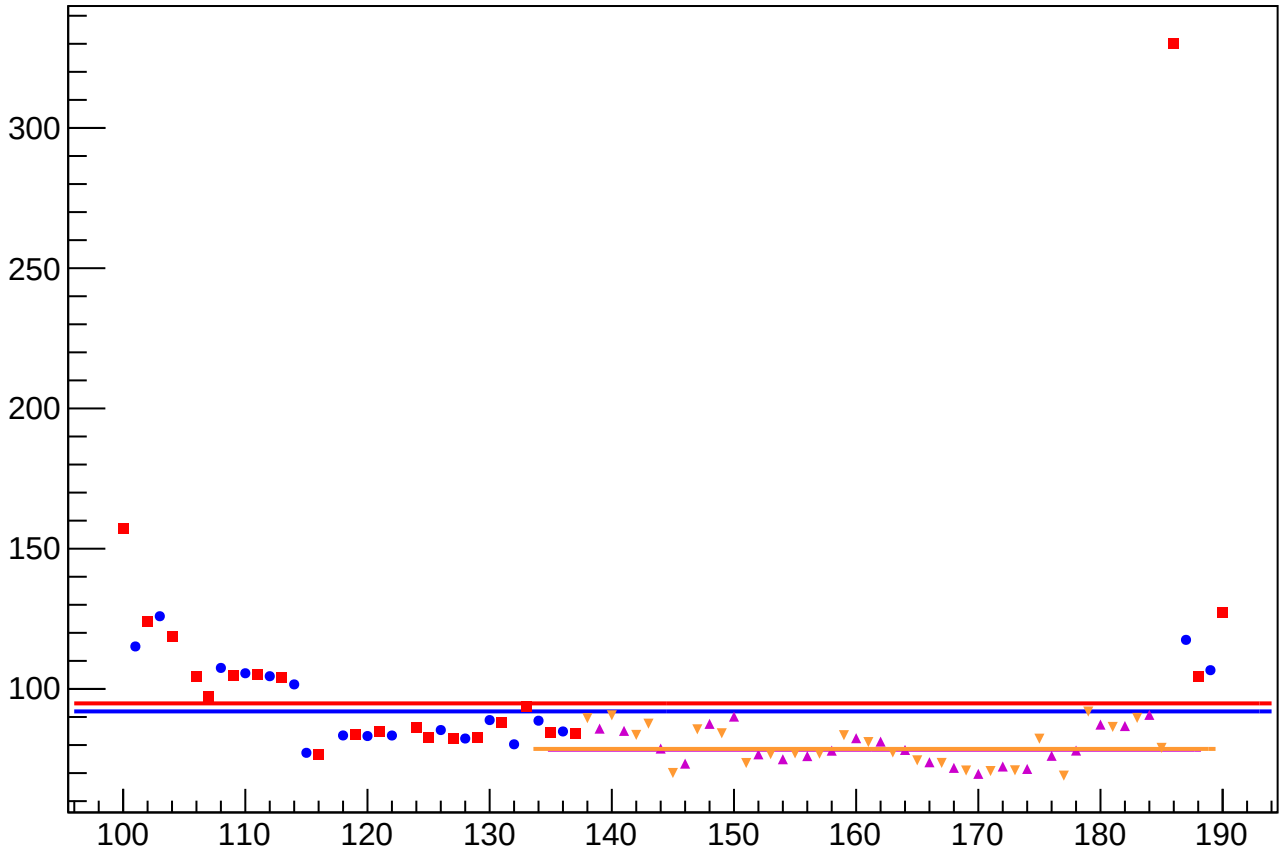
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 141.200+/-23.052 χ^2/NDF: 34.3/39

In: 40.611+/-16.063 χ^2/NDF:50.1/40

Out: 19.213+/-15.681 χ^2/NDF:79.2/46

All: 29.654+/-11.221 χ^2/NDF: 130.3/87



Right In: 91.992+/-0.023 χ^2/NDF: 312483.5/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.849+/-0.023 χ^2/NDF: 768617.1/21

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

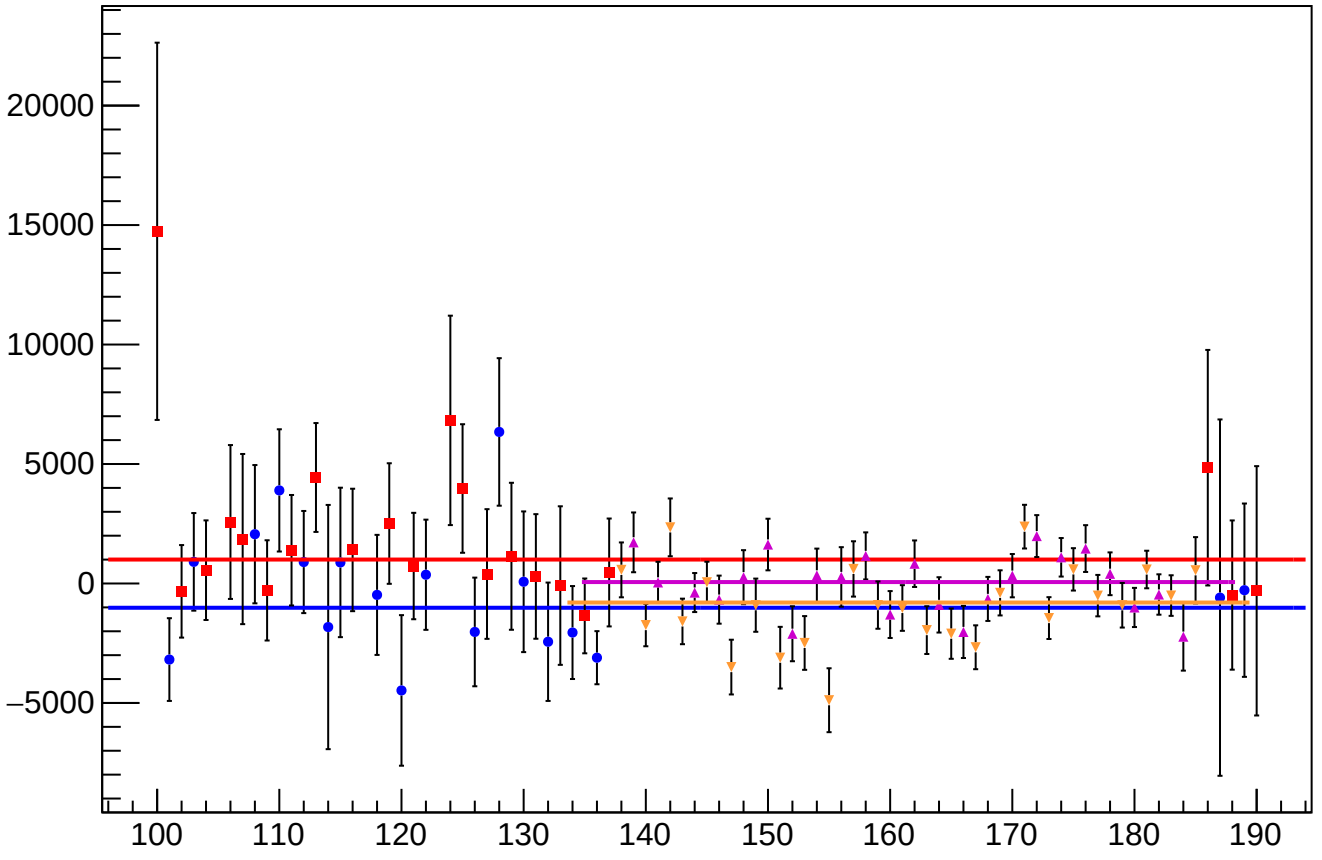
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 93.458+/-0.016 χ^2/NDF: 1088778.8/39

In: 81.562+/-0.011 χ^2/NDF:782580.7/40

Out: 82.472+/-0.011 χ^2/NDF:1463873.0/46

All: 82.028+/-0.008 χ^2/NDF: 2249741.3/87



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1001.686+/-553.783 χ^2/NDF: 13.4/21

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

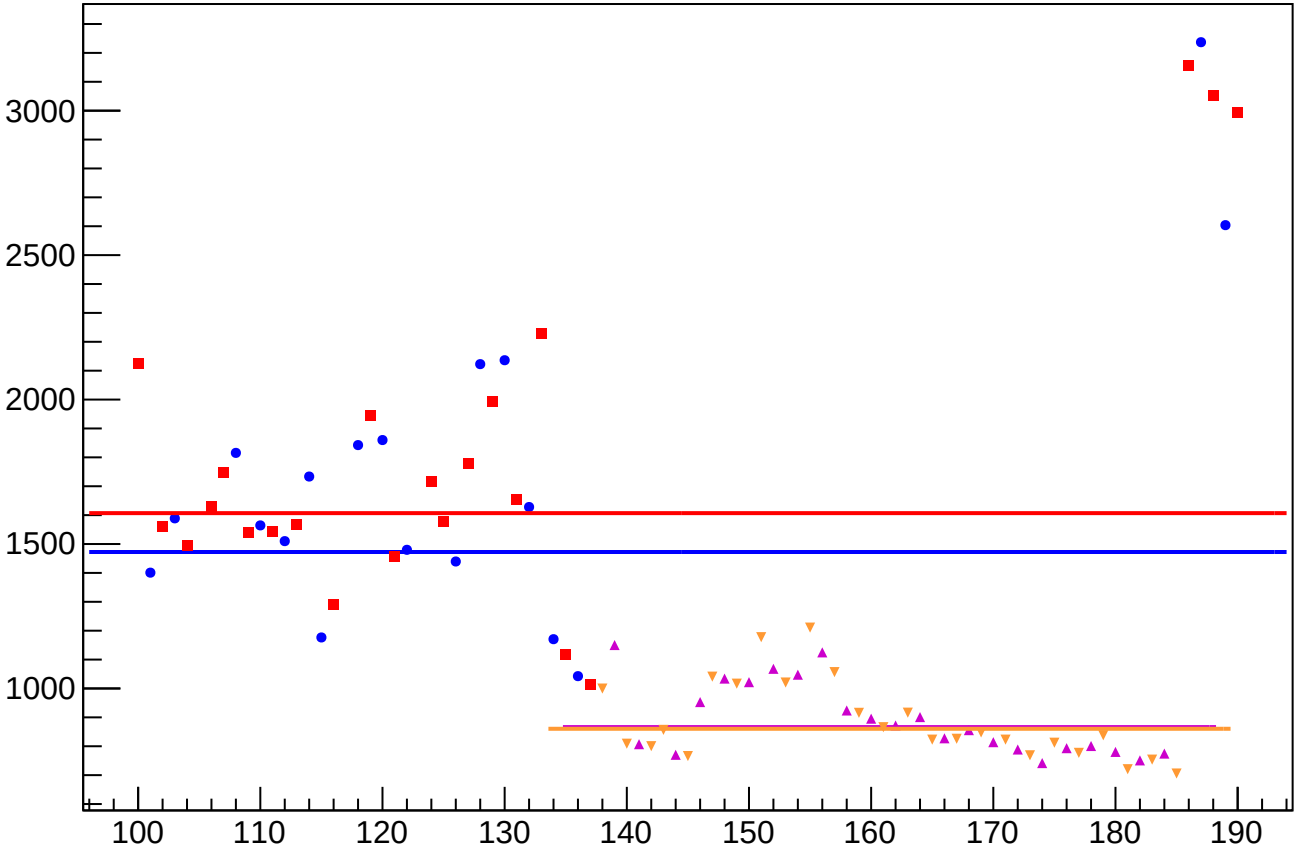
Right: -27.727+/-387.549 χ^2/NDF: 40.4/39

In: -74.198+/-191.306 χ^2/NDF:54.2/40

Out: -593.338+/-186.344 χ^2/NDF:82.2/46

All: -340.587+/-133.485 χ^2/NDF: 140.2/87

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1472.380+/-0.384 χ^2/NDF: 990685.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1606.919+/-0.392 χ^2/NDF: 1311804.4/21

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

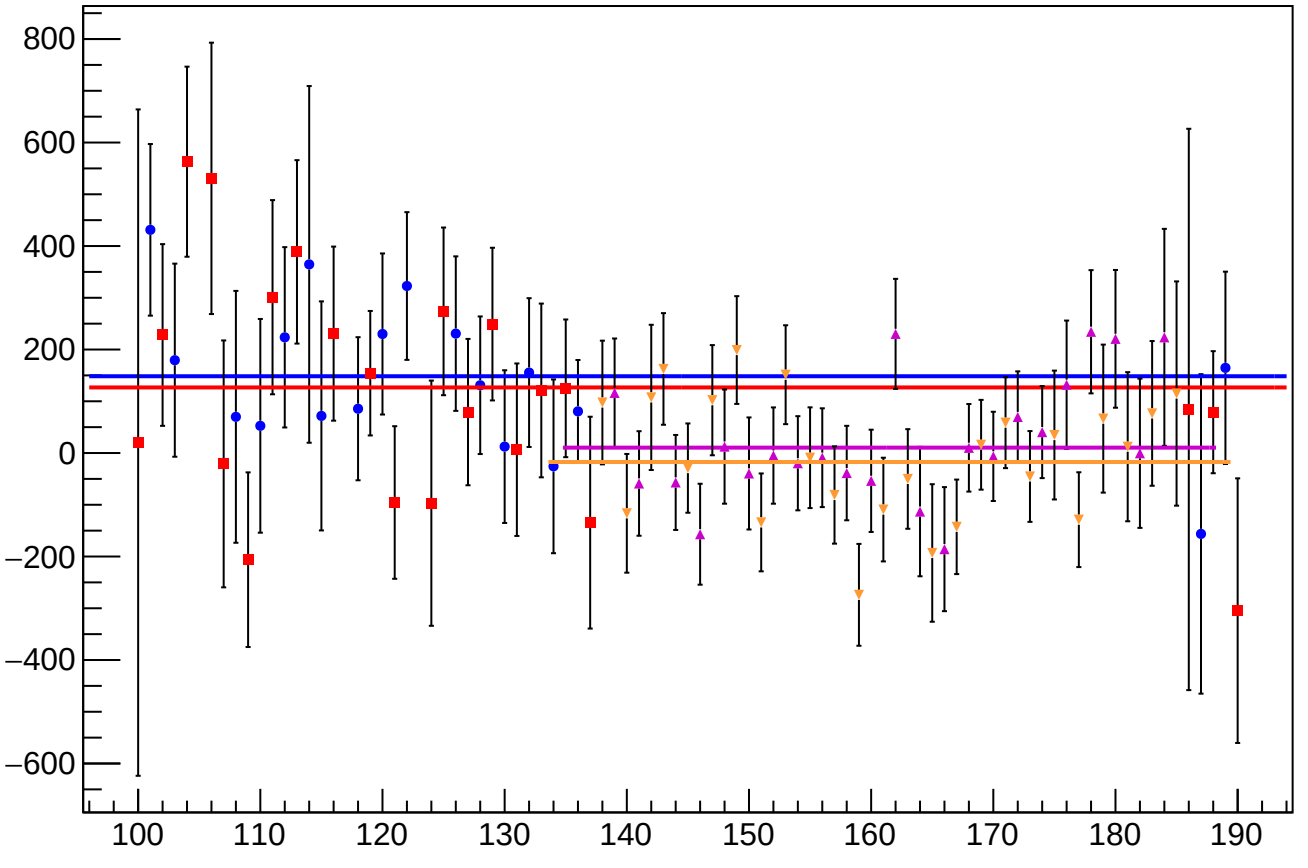
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1538.270+/-0.274 χ^2/NDF: 2362722.3/39

In: 941.701+/-0.135 χ^2/NDF:3789112.5/40

Out: 945.009+/-0.132 χ^2/NDF:5233146.3/46

All: 943.398+/-0.094 χ^2/NDF: 9022565.5/87



Right In: 148.382+/-38.289 χ^2/NDF: 9.6/17

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 126.739+/-36.843 χ^2/NDF: 26.1/21

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

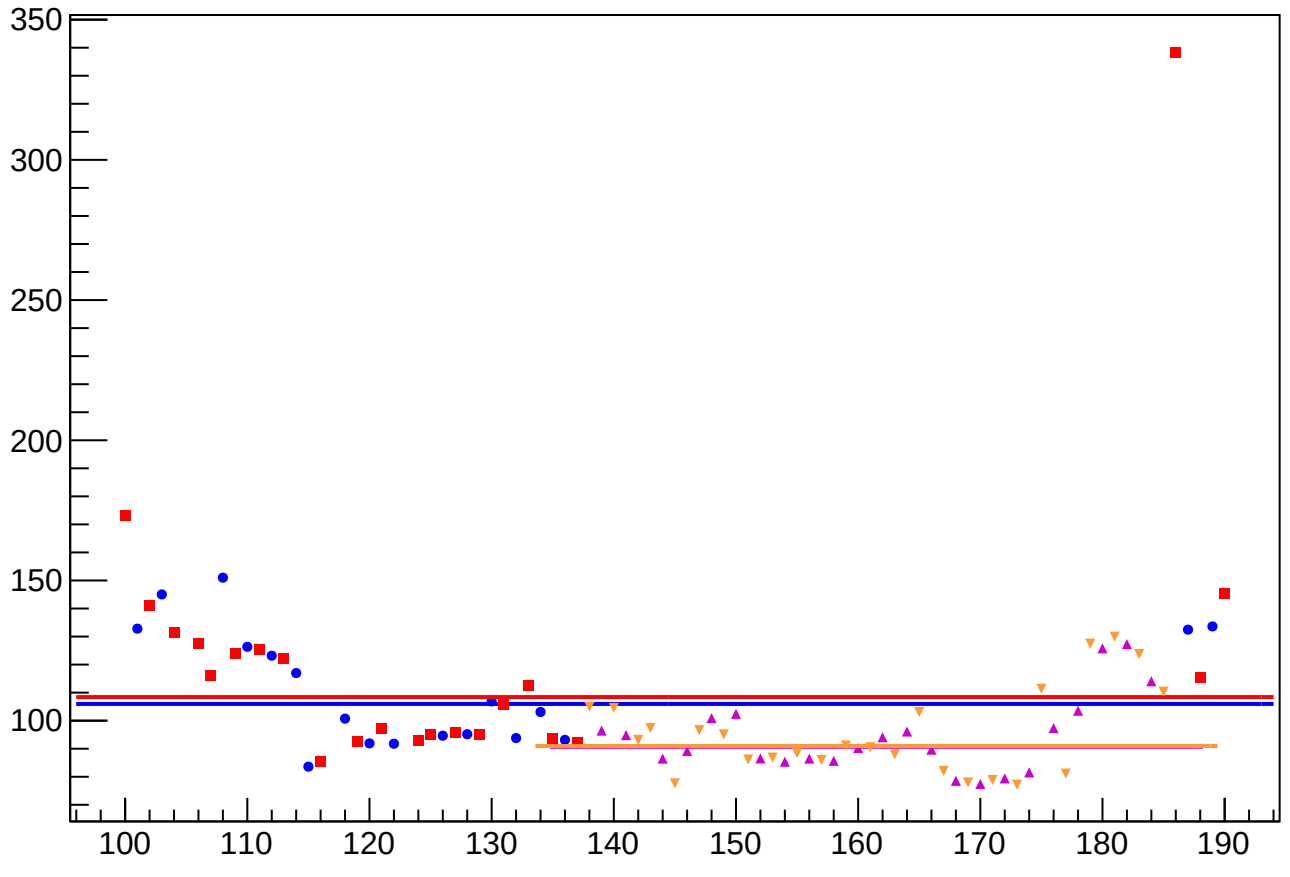
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 137.144+/-26.548 χ^2/NDF: 35.9/39

In: 43.494+/-18.749 χ^2/NDF:42.1/40

Out: 17.945+/-18.236 χ^2/NDF:68.8/46

All: 30.365+/-13.072 χ^2/NDF: 111.9/87



Right In: 105.964+/-0.027 χ^2/NDF: 440939.6/17

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 108.416+/-0.026 χ^2/NDF: 762281.0/21

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

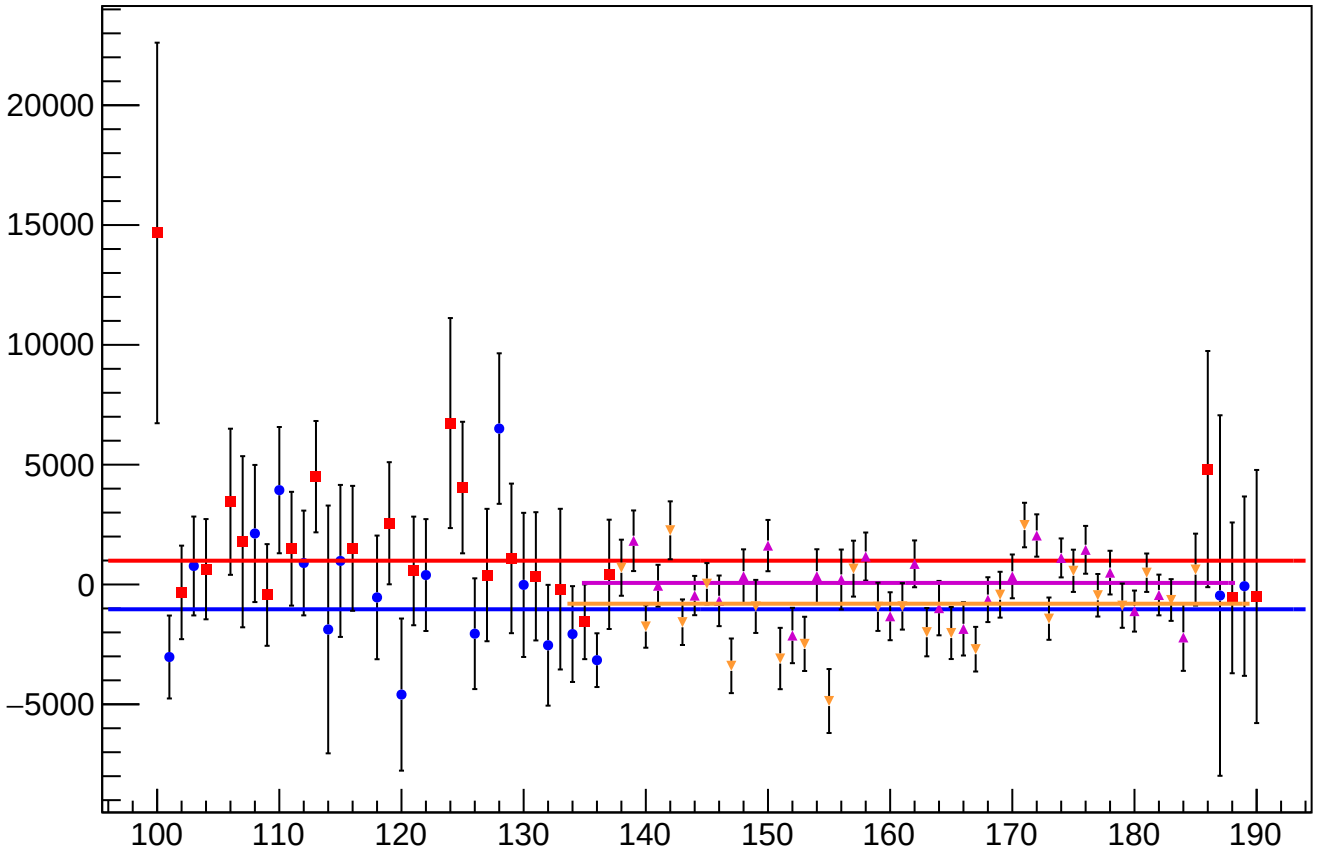
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 107.237+/-0.019 χ^2/NDF: 1207476.4/39

In: 94.352+/-0.013 χ^2/NDF:1228875.4/40

Out: 95.242+/-0.013 χ^2/NDF:1885498.2/46

All: 94.809+/-0.009 χ^2/NDF: 3116684.4/87



Right In: -1034.794+/-550.080 χ^2/NDF: 20.1/17

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 992.442+/-558.880 χ^2/NDF: 14.2/21

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

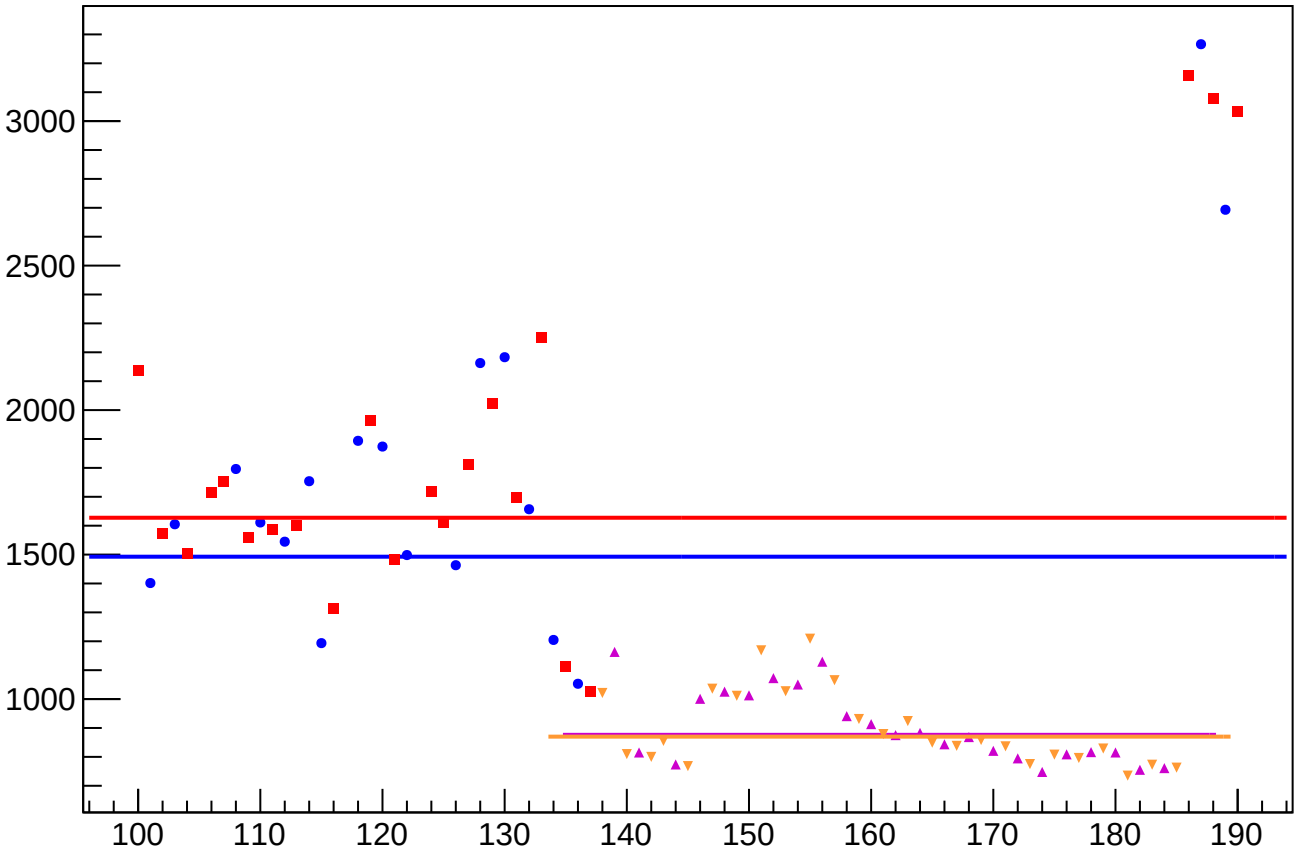
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -37.261+/-392.040 χ^2/NDF: 41.0/39

In: -70.858+/-193.472 χ^2/NDF:54.3/40

Out: -599.027+/-188.181 χ^2/NDF:81.7/46

All: -342.263+/-134.896 χ^2/NDF: 139.8/87



Right In: 1492.697+/-0.389 χ^2/NDF: 1010231.6/17

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1627.495+/-0.395 χ^2/NDF: 1323636.9/21

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

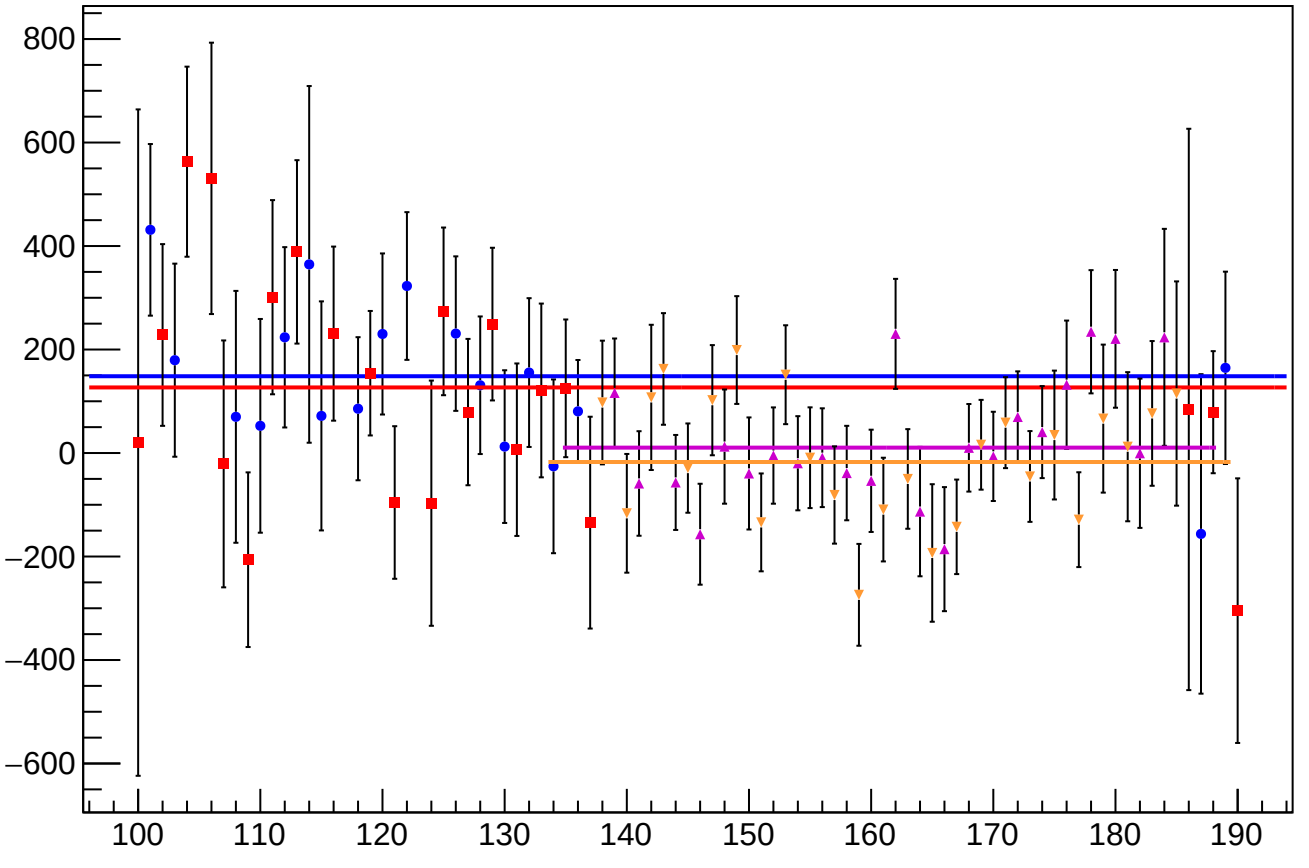
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1559.026+/-0.277 χ^2/NDF: 2392966.1/39

In: 952.527+/-0.137 χ^2/NDF:3808264.7/40

Out: 955.888+/-0.133 χ^2/NDF:5228400.6/46

All: 954.254+/-0.095 χ^2/NDF: 9036975.6/87



Right In: 148.384+/-38.289 χ^2/NDF: 9.6/17

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 126.738+/-36.843 χ^2/NDF: 26.1/21

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

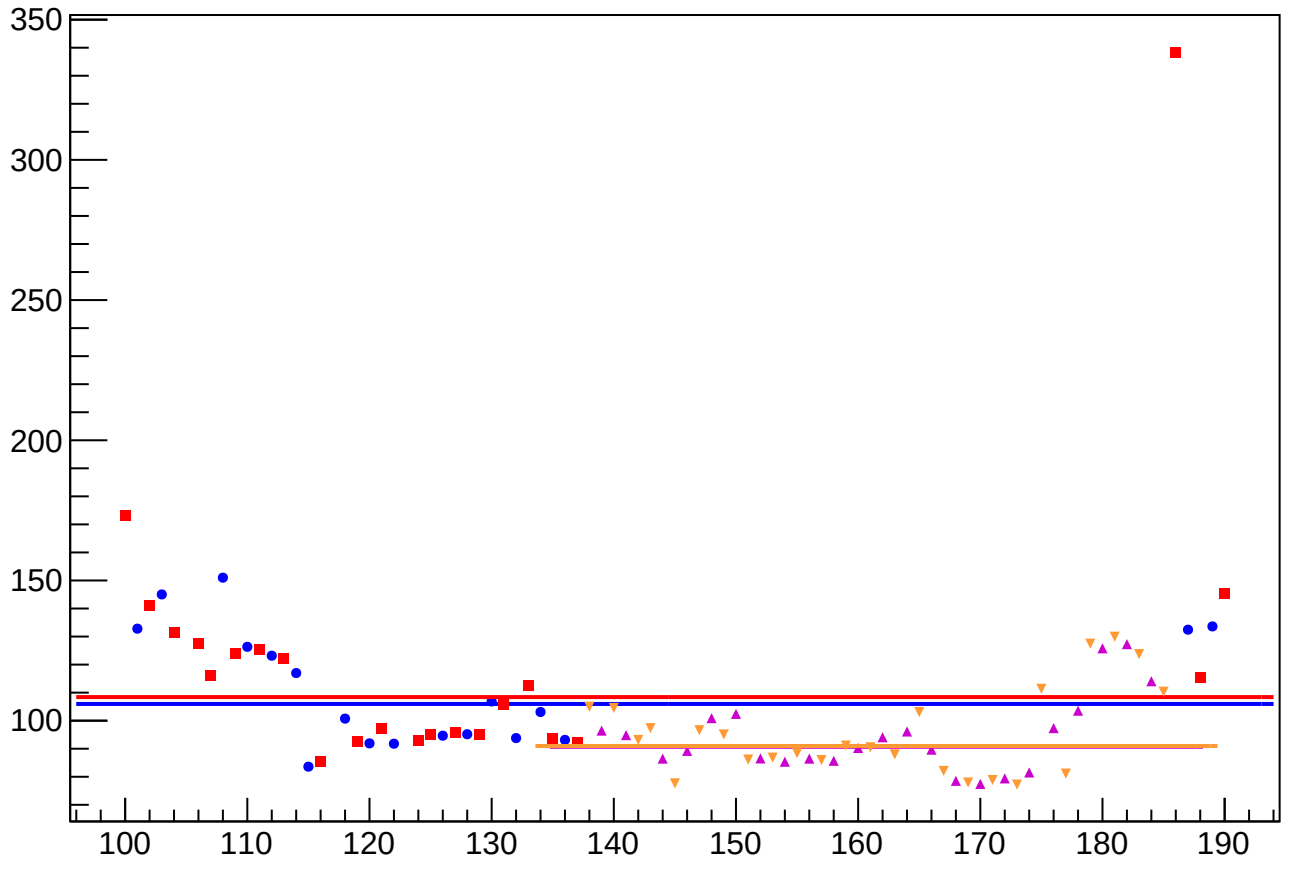
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 137.145+/-26.548 χ^2/NDF: 35.9/39

In: 43.495+/-18.749 χ^2/NDF:42.1/40

Out: 17.945+/-18.236 χ^2/NDF:68.8/46

All: 30.365+/-13.072 χ^2/NDF: 111.9/87



Right In: 105.963+/-0.027 χ^2/NDF: 440943.5/17

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 108.415+/-0.026 χ^2/NDF: 762286.2/21

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

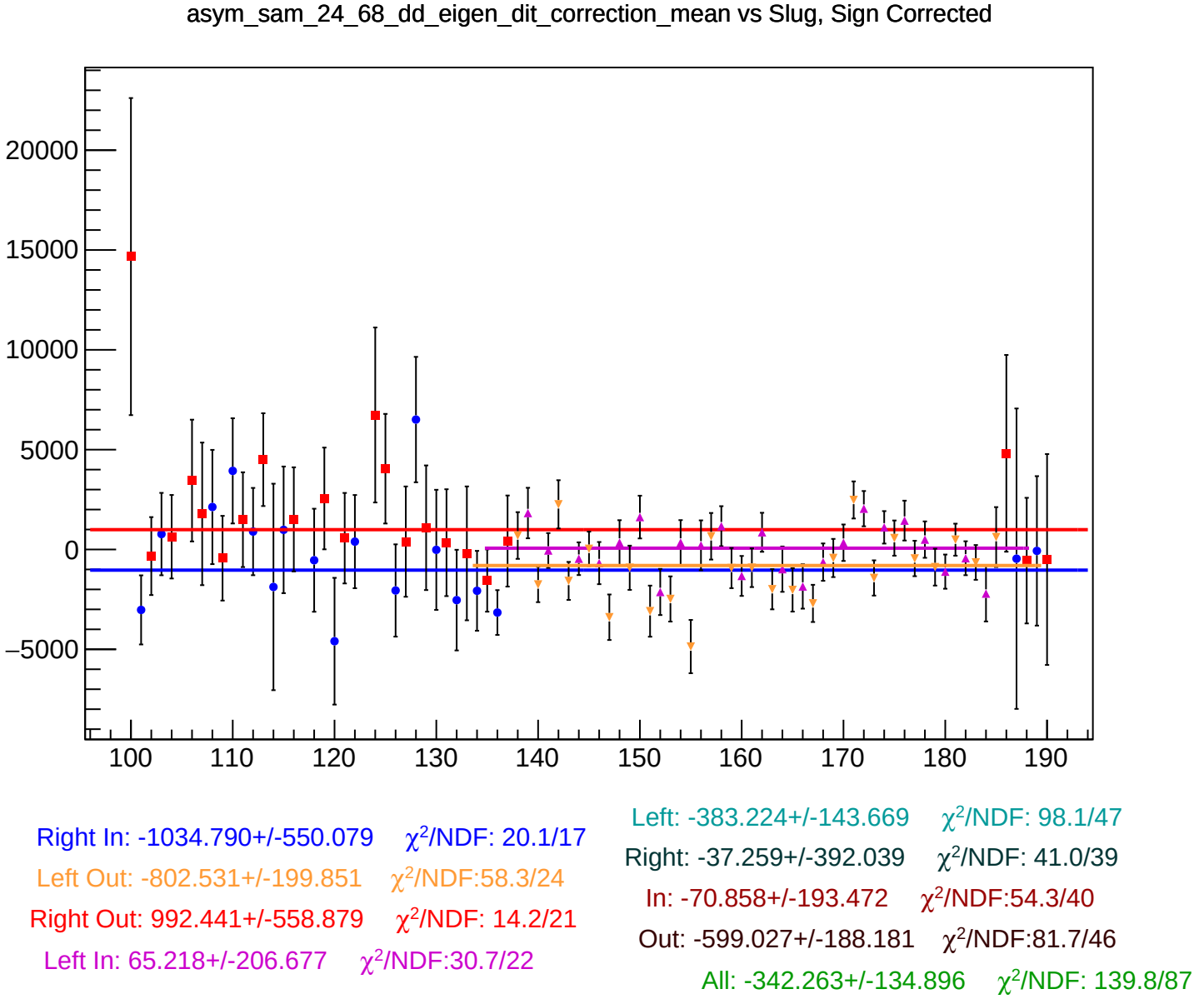
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 107.236+/-0.019 χ^2/NDF: 1207486.8/39

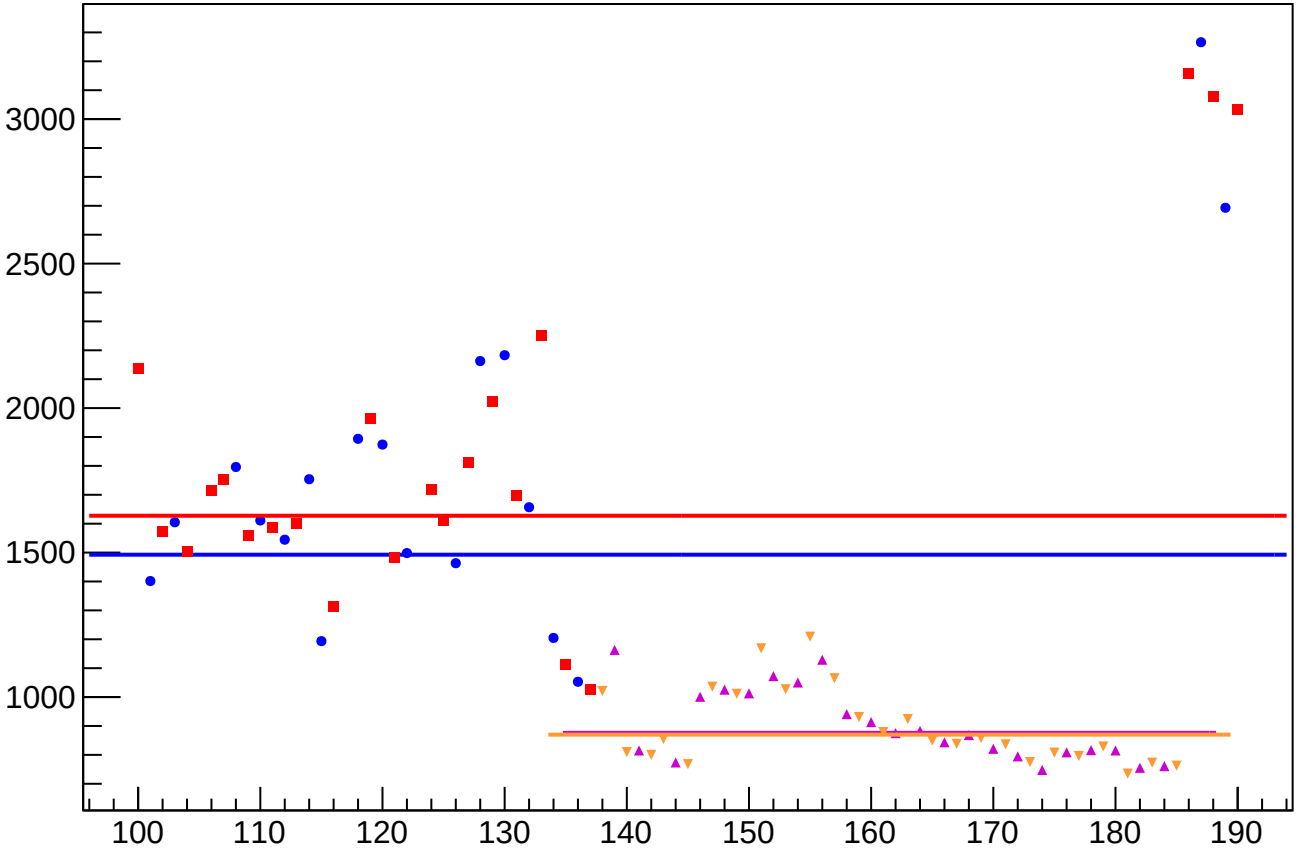
In: 94.352+/-0.013 χ^2/NDF:1228843.3/40

Out: 95.241+/-0.013 χ^2/NDF:1885482.7/46

All: 94.809+/-0.009 χ^2/NDF: 3116637.7/87


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -1034.790+/-550.079 χ²/NDF: 20.1/17
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 992.441+/-558.879 χ²/NDF: 14.2/21
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -37.259+/-392.039 χ²/NDF: 41.0/39
In: -70.858+/-193.472 χ²/NDF:54.3/40
Out: -599.027+/-188.181 χ²/NDF:81.7/46
All: -342.263+/-134.896 χ²/NDF: 139.8/87

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1492.694+/-0.389 χ^2/NDF: 1010229.2/17

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1627.492+/-0.395 χ^2/NDF: 1323638.8/21

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

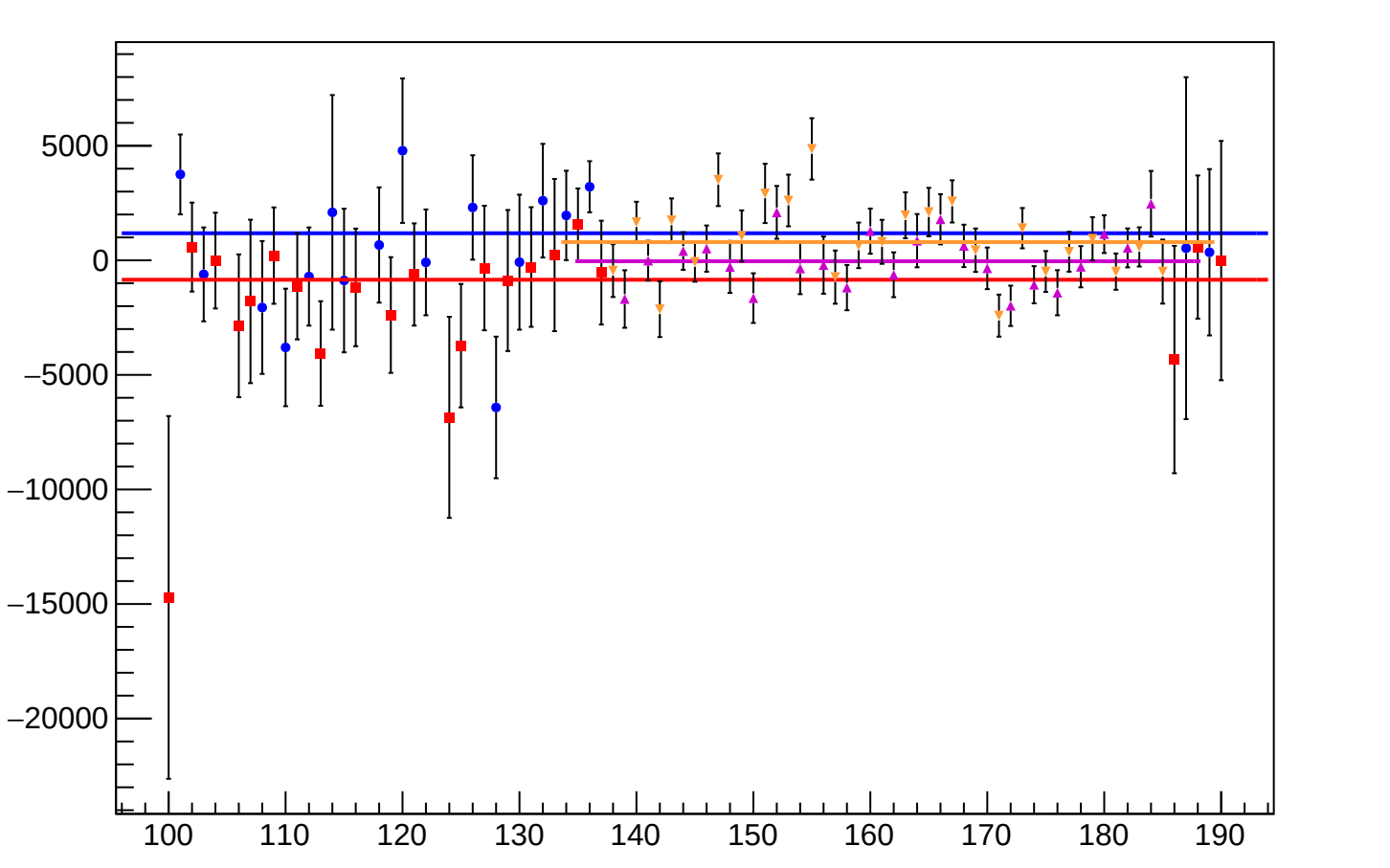
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1559.023+/-0.277 χ^2/NDF: 2392965.4/39

In: 952.526+/-0.137 χ^2/NDF:3808257.3/40

Out: 955.888+/-0.133 χ^2/NDF:5228395.1/46

All: 954.254+/-0.095 χ^2/NDF: 9036962.6/87



Right In: 1181.964+/-544.014 χ^2/NDF: 21.2/17

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -847.831+/-554.413 χ^2/NDF: 13.2/21

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

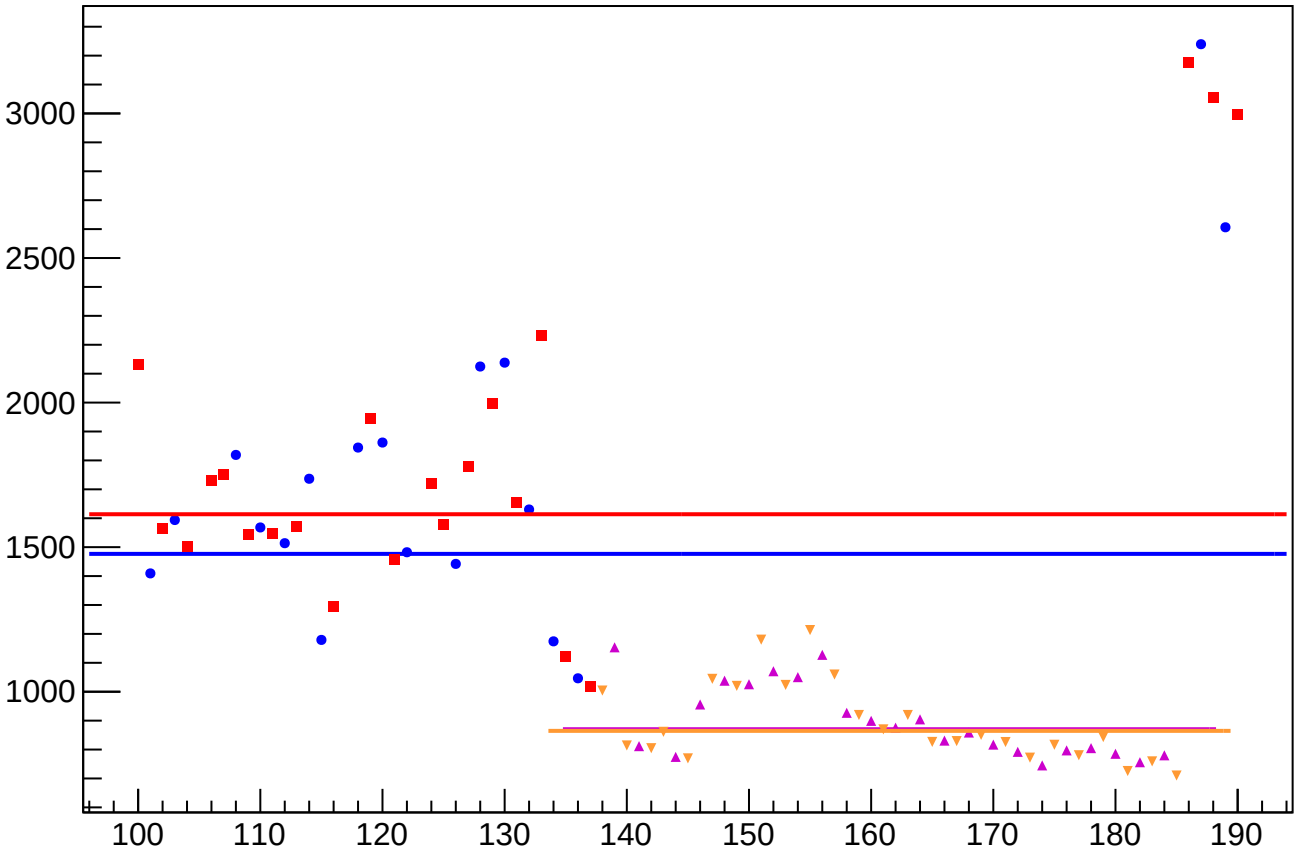
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 186.280+/-388.300 χ^2/NDF: 41.3/39

In: 112.619+/-192.118 χ^2/NDF:55.3/40

Out: 608.970+/-187.135 χ^2/NDF:78.2/46

All: 367.315+/-134.051 χ^2/NDF: 137.0/87



Right In: 1476.748+/-0.385 χ^2/NDF: 984266.1/17

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1613.862+/-0.392 χ^2/NDF: 1311075.2/21

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

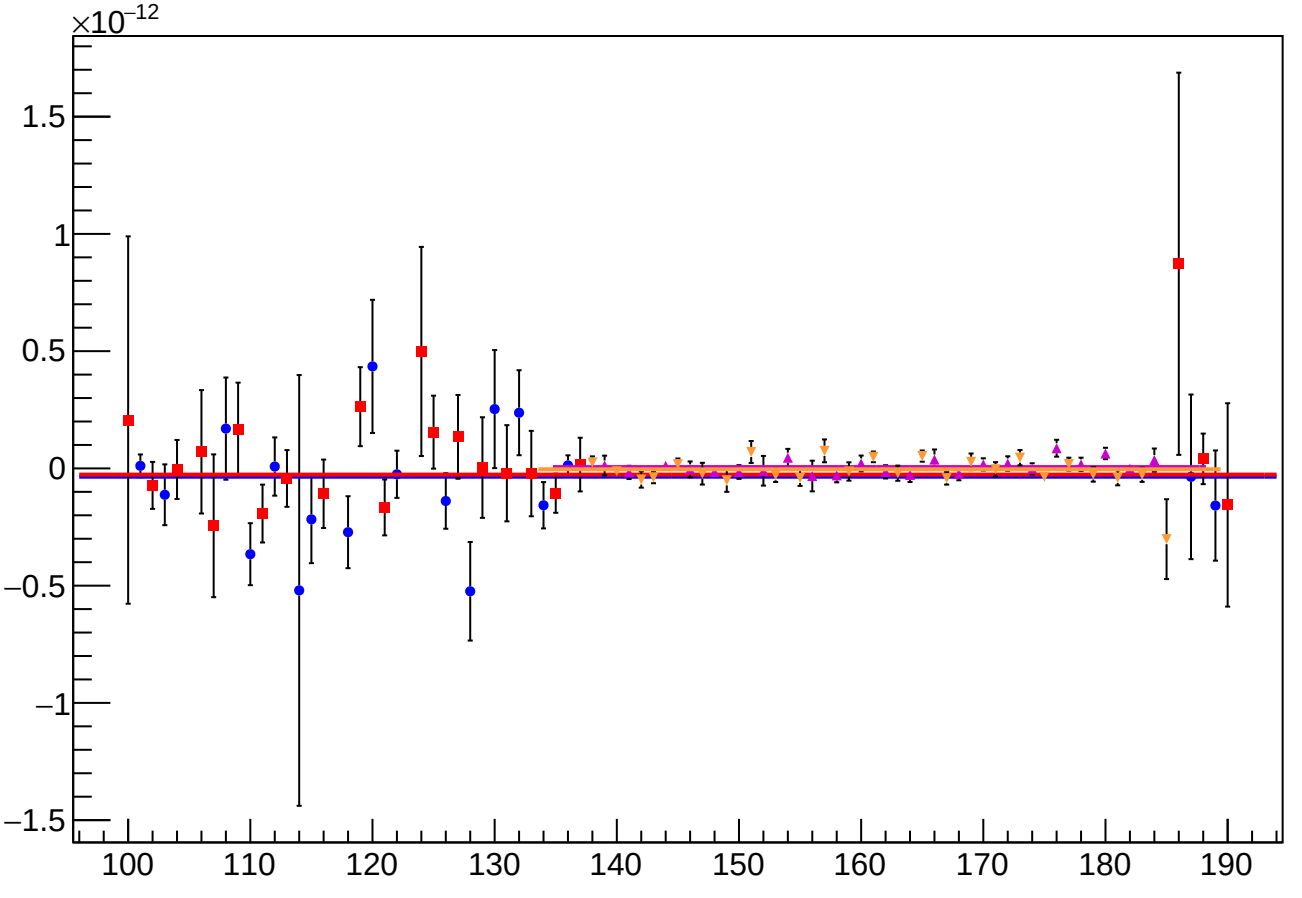
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1544.007+/-0.275 χ^2/NDF: 2357663.7/39

In: 945.973+/-0.136 χ^2/NDF:3763893.7/40

Out: 949.997+/-0.132 χ^2/NDF:5236382.9/46

All: 948.038+/-0.095 χ^2/NDF: 9000726.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/21

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

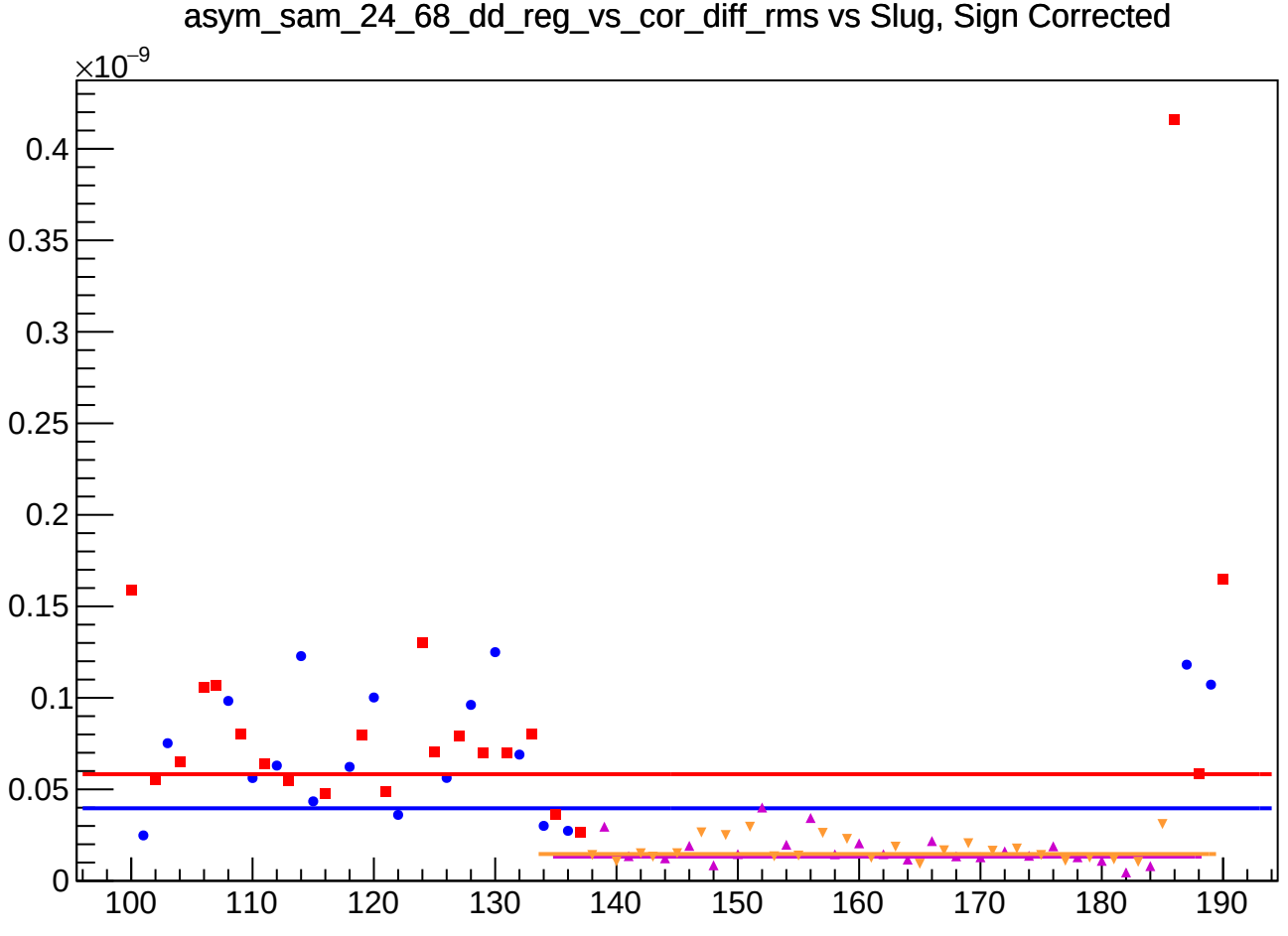
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.5/39

In: 0.000+/-0.000 χ^2/NDF:50.9/40

Out: -0.000+/-0.000 χ^2/NDF:53.9/46

All: -0.000+/-0.000 χ^2/NDF: 105.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 1651898.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1170752.5/21

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

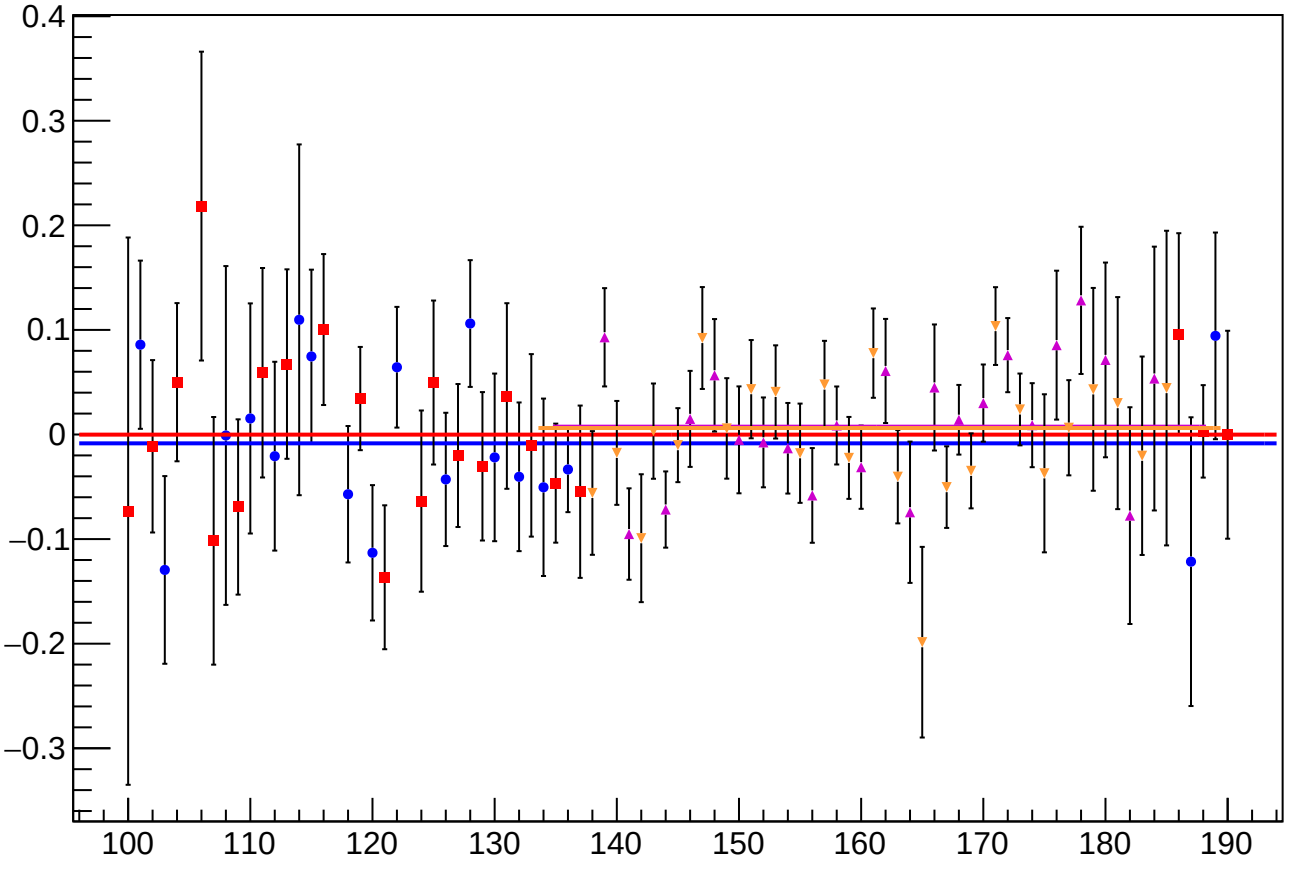
Right: 0.000+/-0.000 χ^2/NDF: 3242797.6/39

In: 0.000+/-0.000 χ^2/NDF:5755634.1/40

Out: 0.000+/-0.000 χ^2/NDF:5805544.3/46

All: 0.000+/-0.000 χ^2/NDF: 11619178.5/87

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/21

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

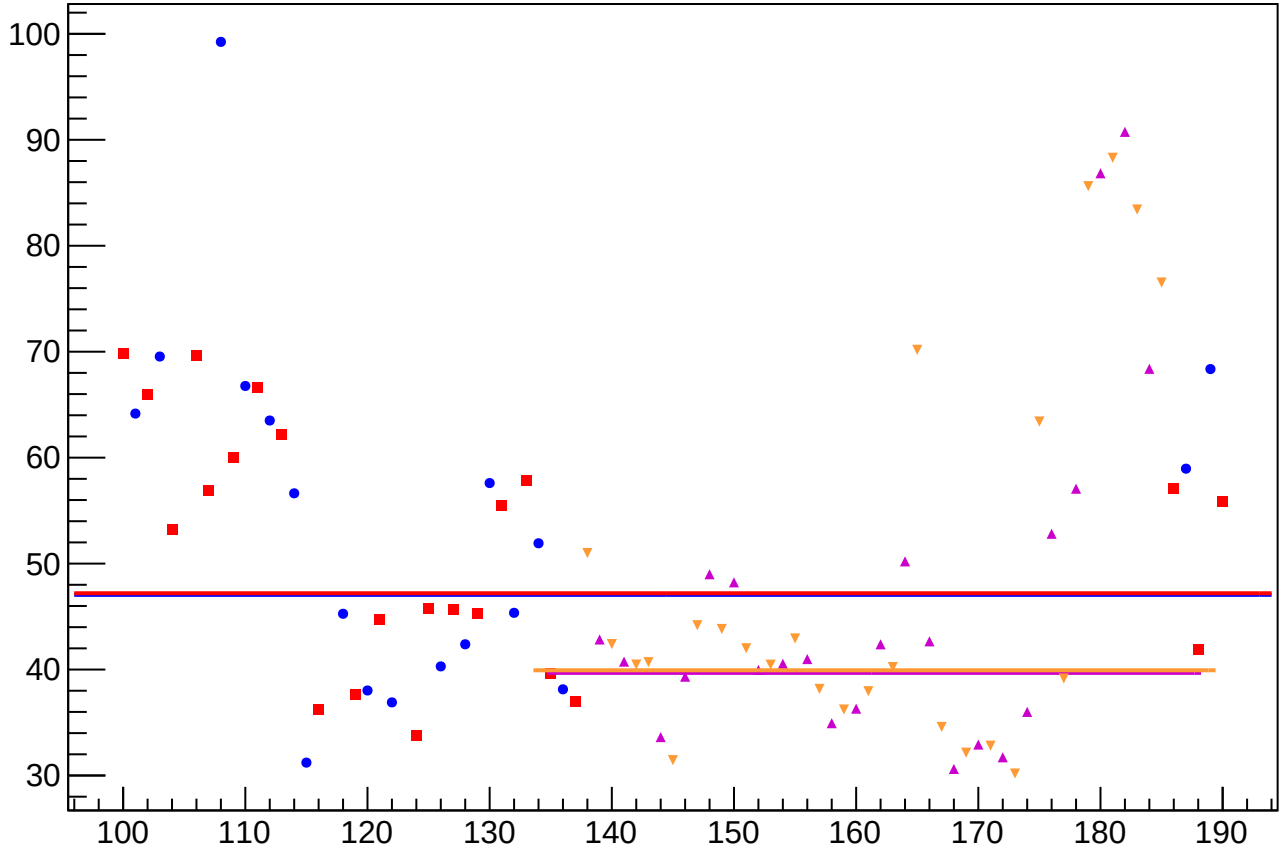
Right: -0.004+/-0.012 χ^2/NDF: 31.0/39

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/46

All: 0.004+/-0.006 χ^2/NDF: 92.9/87

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 47.200+/-0.012 χ^2/NDF: 719710.7/21

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

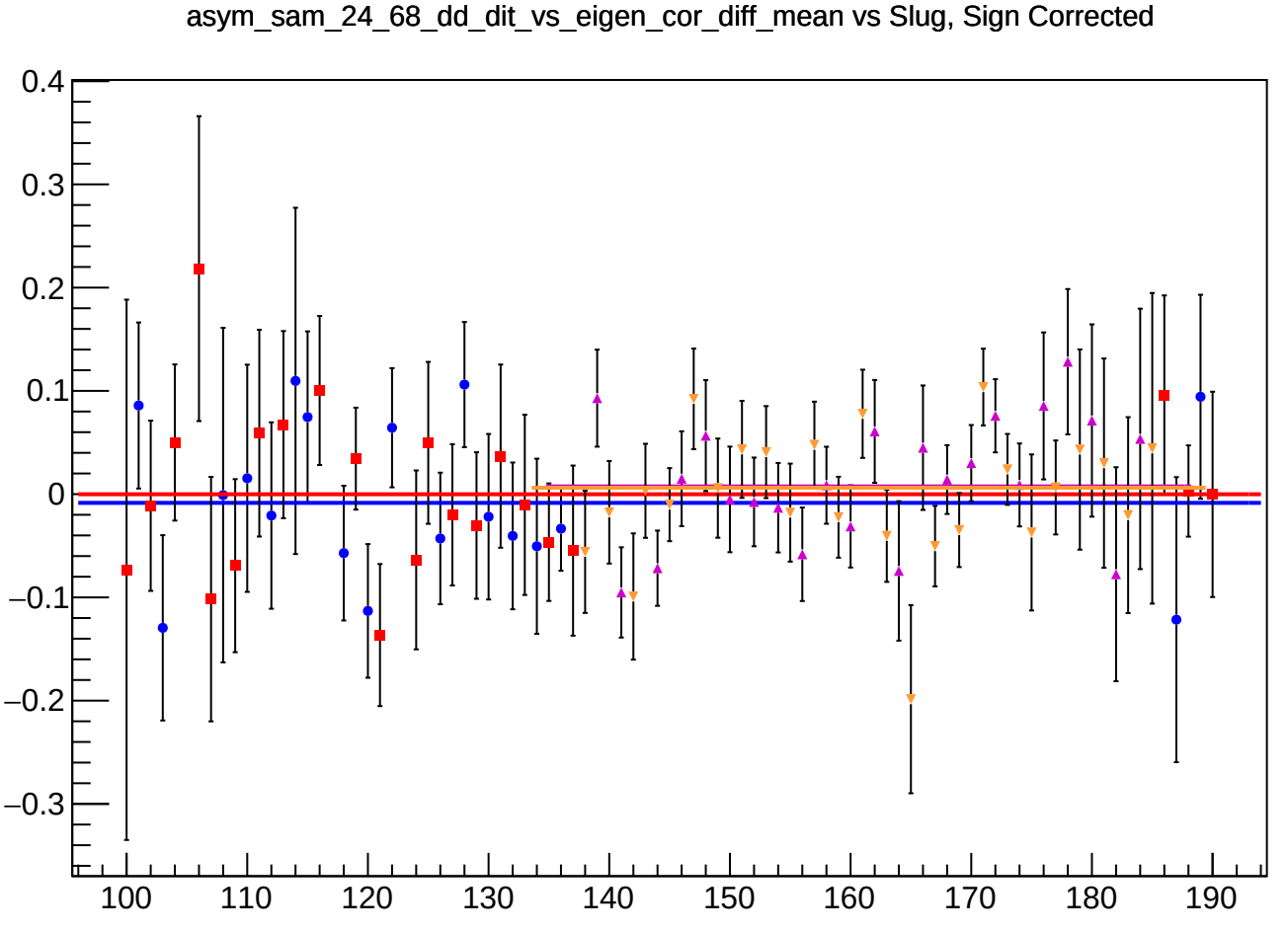
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 47.131+/-0.008 χ^2/NDF: 1736131.1/39

In: 41.428+/-0.006 χ^2/NDF:3200861.7/40

Out: 41.799+/-0.006 χ^2/NDF:3491728.9/46

All: 41.620+/-0.004 χ^2/NDF: 6694535.6/87



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/21

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

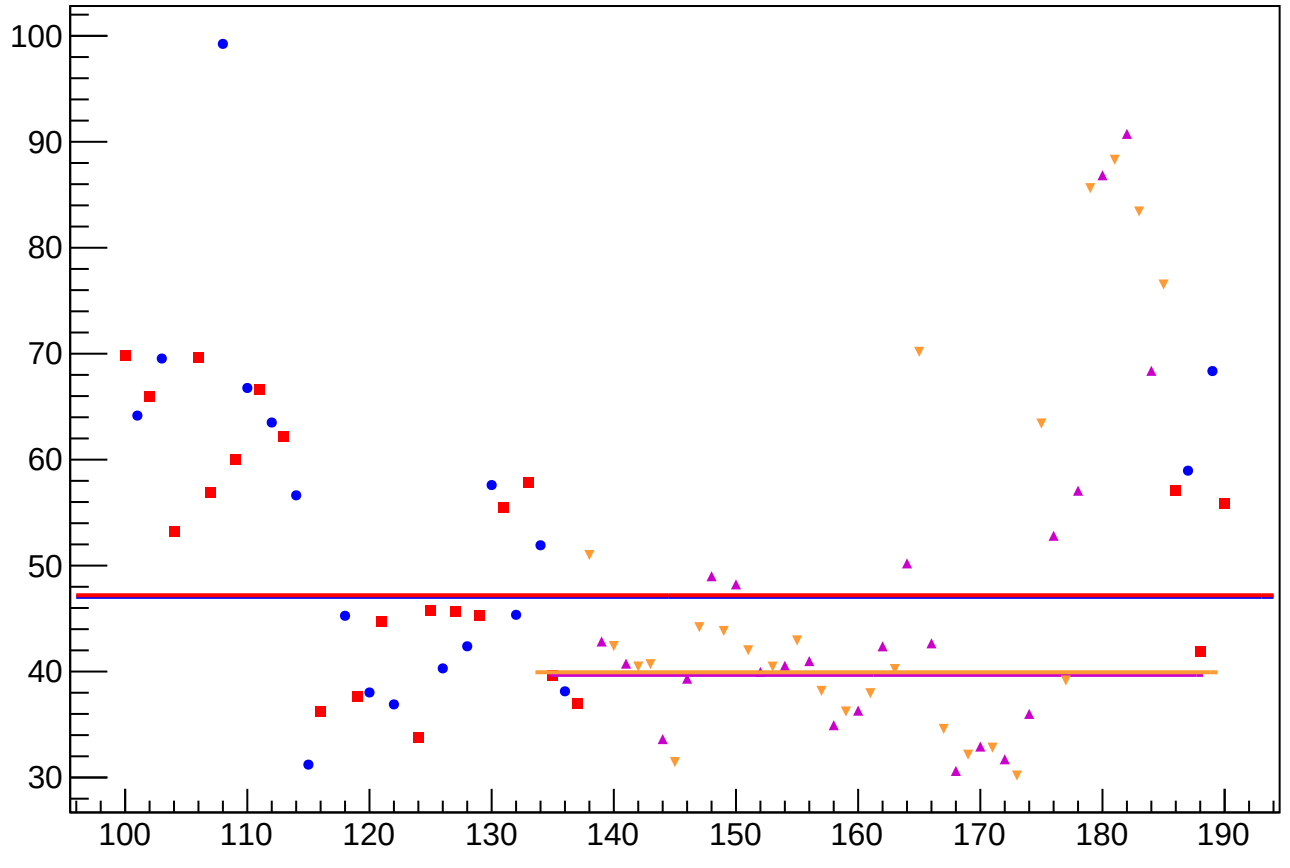
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.004+/-0.012 χ^2/NDF: 31.0/39

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/46

All: 0.004+/-0.006 χ^2/NDF: 92.9/87



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 47.200+/-0.012 χ^2/NDF: 719710.7/21

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

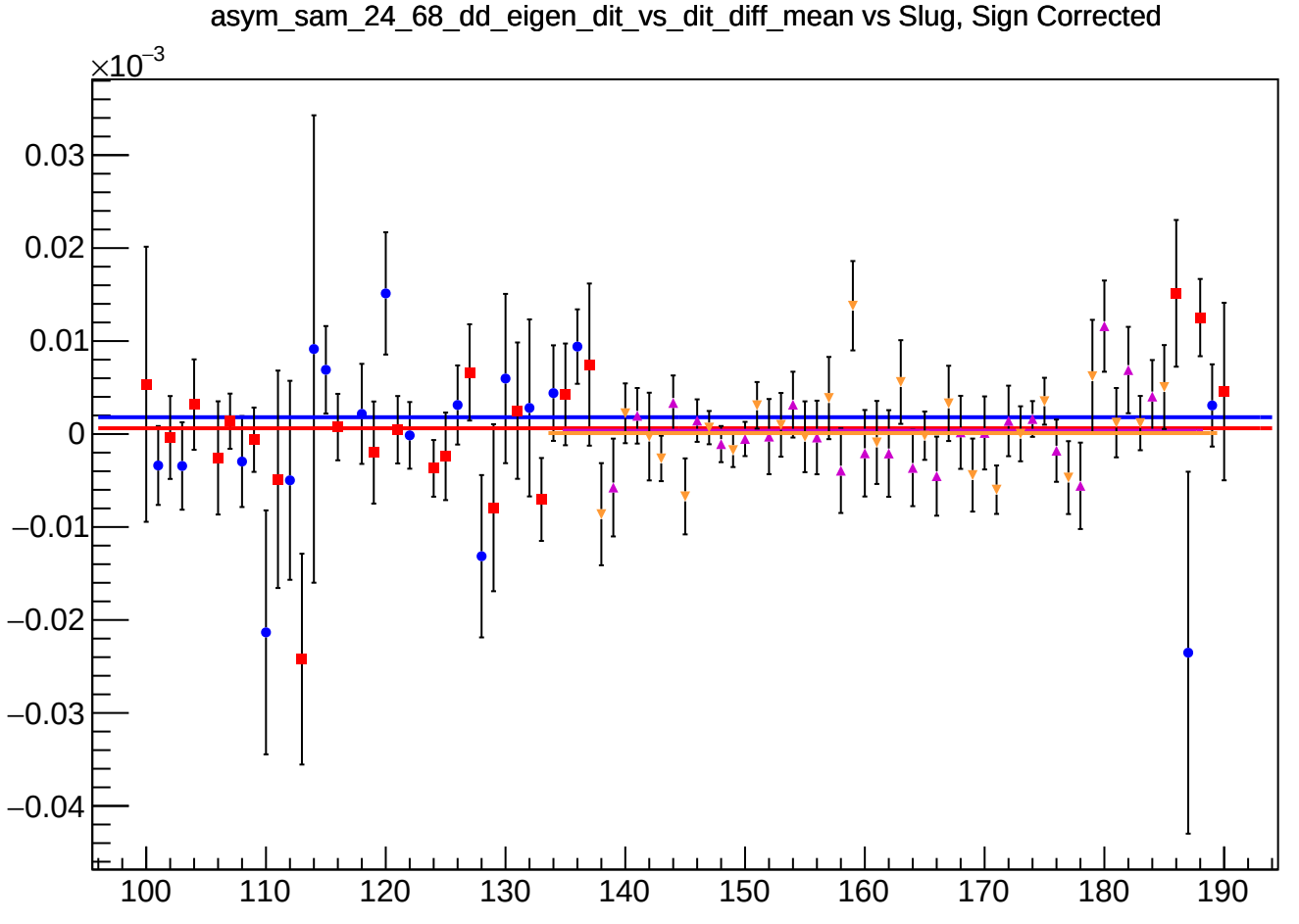
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 47.131+/-0.008 χ^2/NDF: 1736131.1/39

In: 41.428+/-0.006 χ^2/NDF:3200861.7/40

Out: 41.799+/-0.006 χ^2/NDF:3491728.9/46

All: 41.620+/-0.004 χ^2/NDF: 6694535.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/21

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

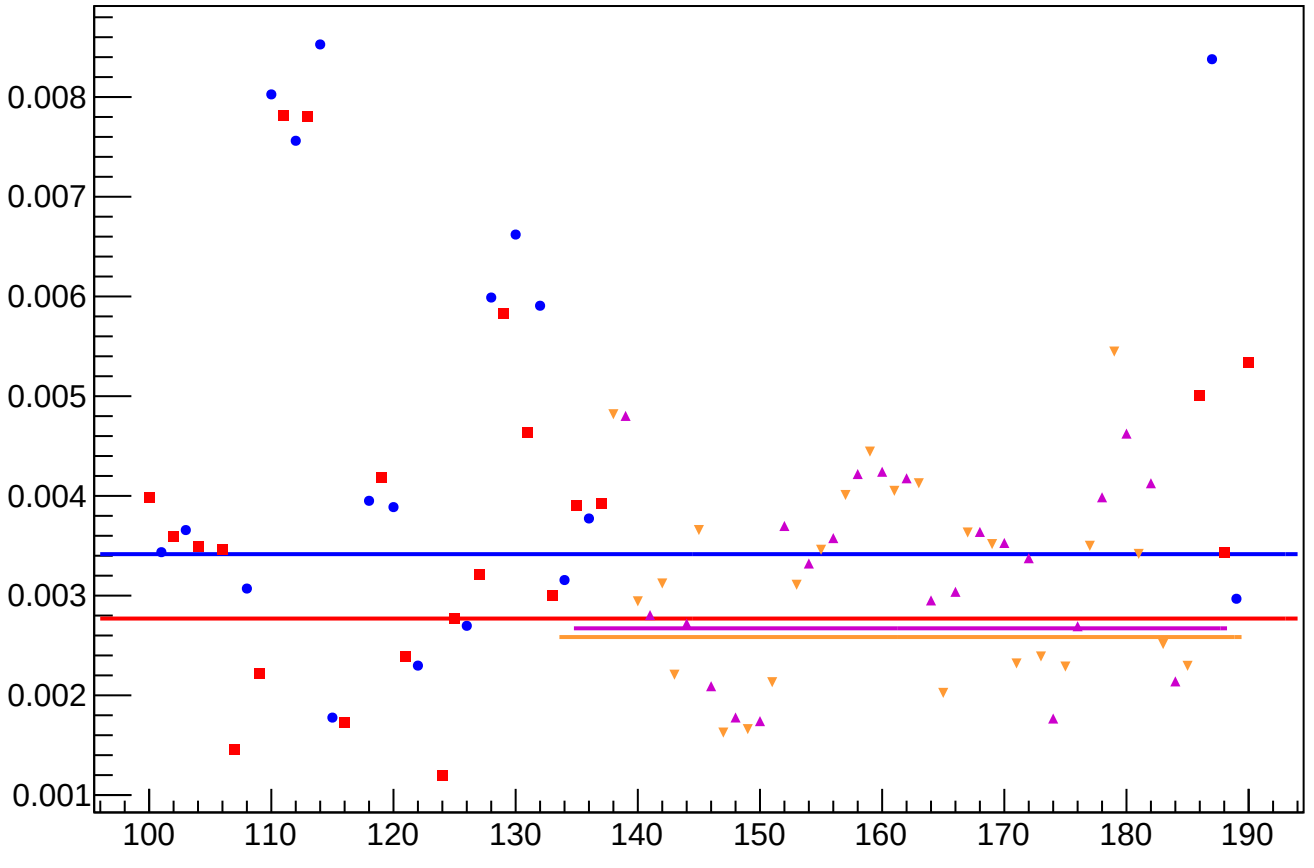
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.9/39

In: 0.000+/-0.000 χ^2/NDF:41.4/40

Out: 0.000+/-0.000 χ^2/NDF:60.0/46

All: 0.000+/-0.000 χ^2/NDF: 101.8/87



Right In: 0.003+/-0.000 χ^2/NDF: 1899434.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3079098.5/21

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

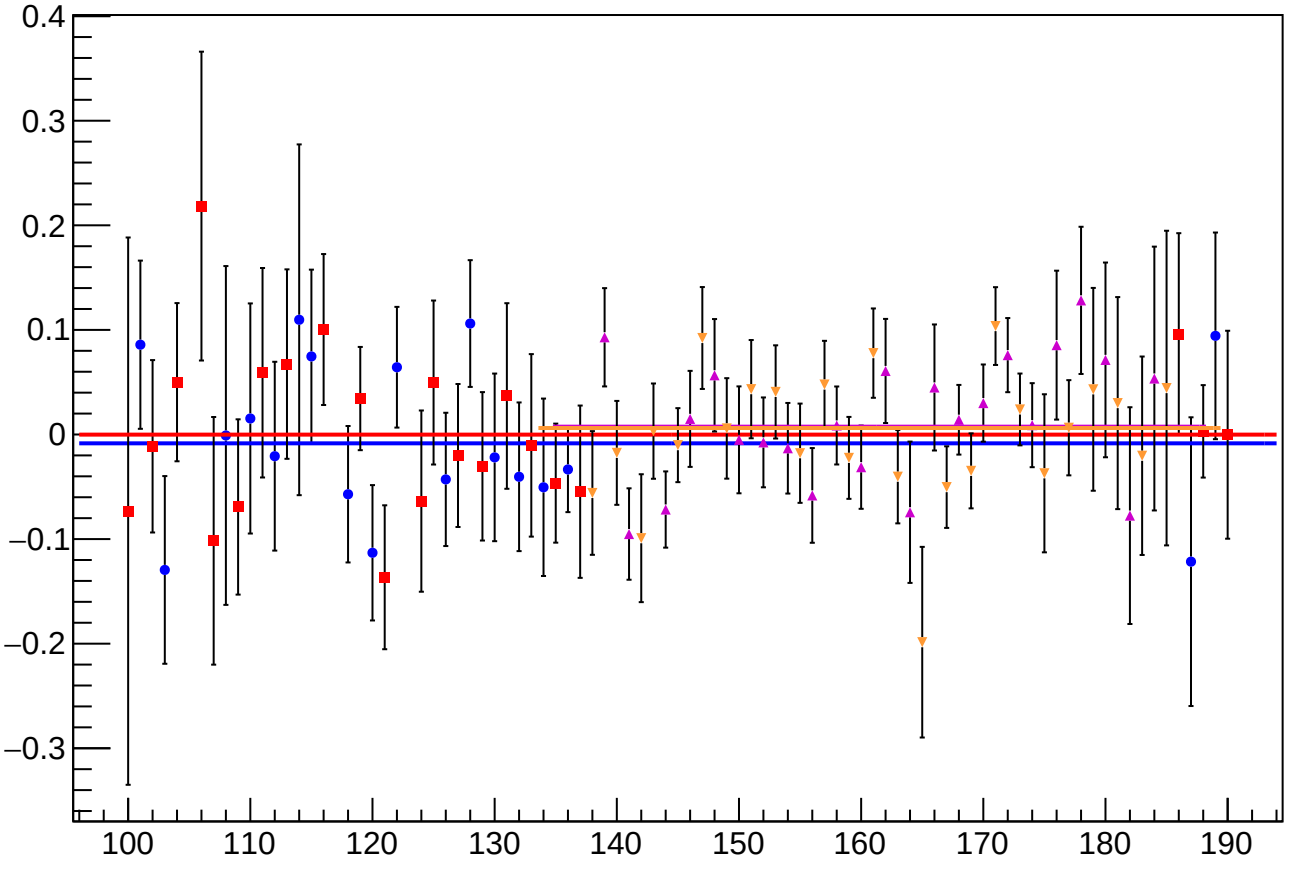
Right: 0.003+/-0.000 χ^2/NDF: 5277637.3/39

In: 0.003+/-0.000 χ^2/NDF:6237830.9/40

Out: 0.003+/-0.000 χ^2/NDF:7018627.4/46

All: 0.003+/-0.000 χ^2/NDF: 13371794.1/87

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/21

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

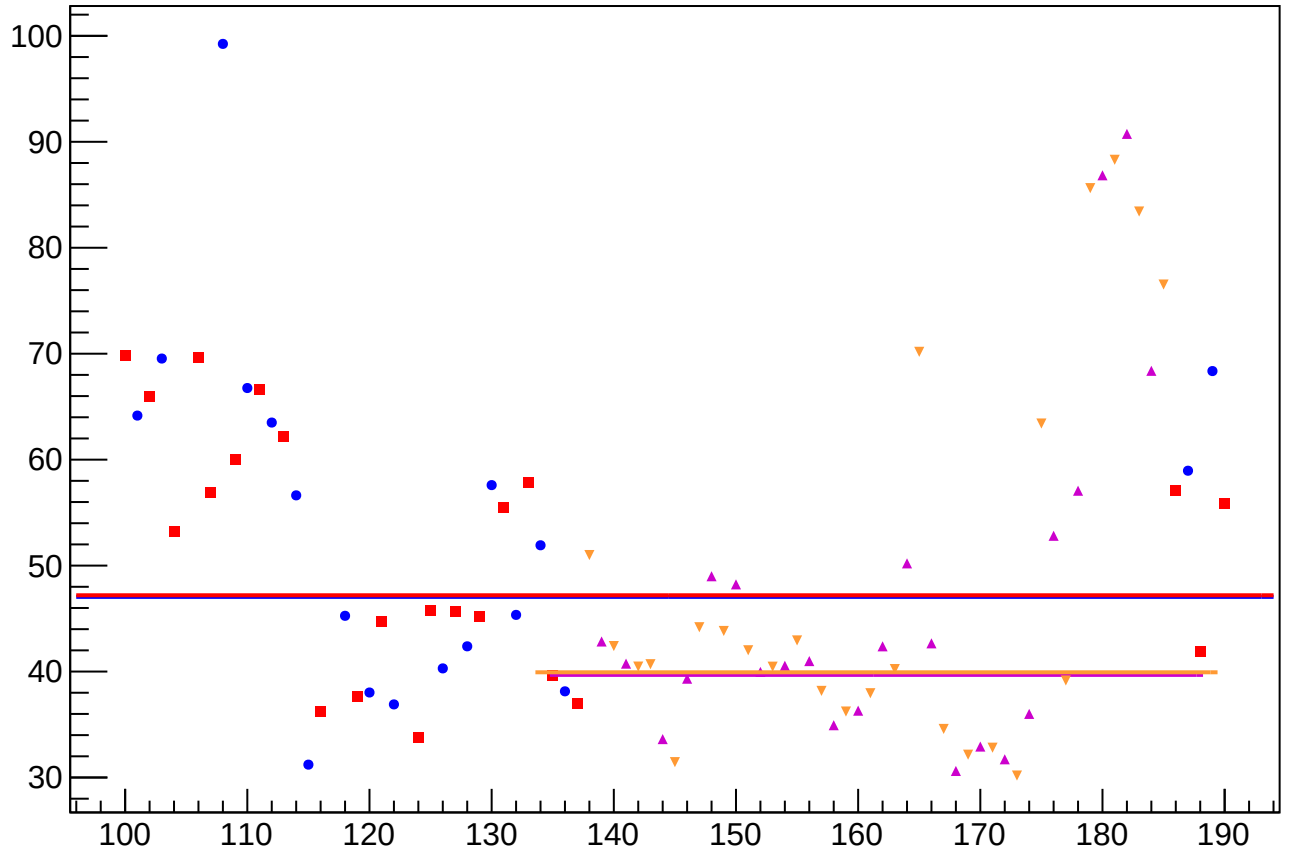
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.004+/-0.012 χ^2/NDF: 31.0/39

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/46

All: 0.004+/-0.006 χ^2/NDF: 92.9/87



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 47.200+/-0.012 χ^2/NDF: 719693.0/21

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

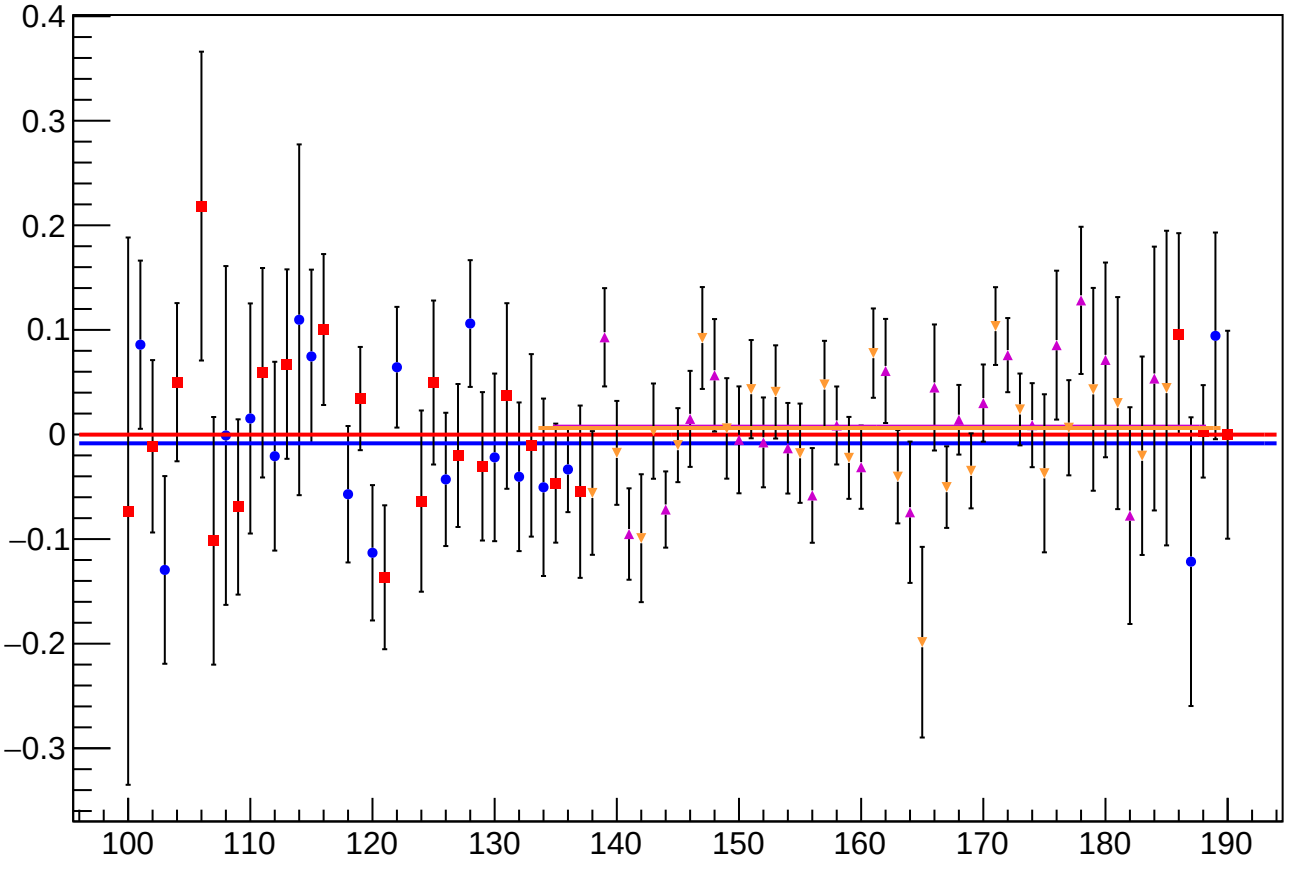
Right: 47.130+/-0.008 χ^2/NDF: 1736095.6/39

In: 41.428+/-0.006 χ^2/NDF:3200784.7/40

Out: 41.798+/-0.006 χ^2/NDF:3491688.8/46

All: 41.620+/-0.004 χ^2/NDF: 6694422.3/87

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/21

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

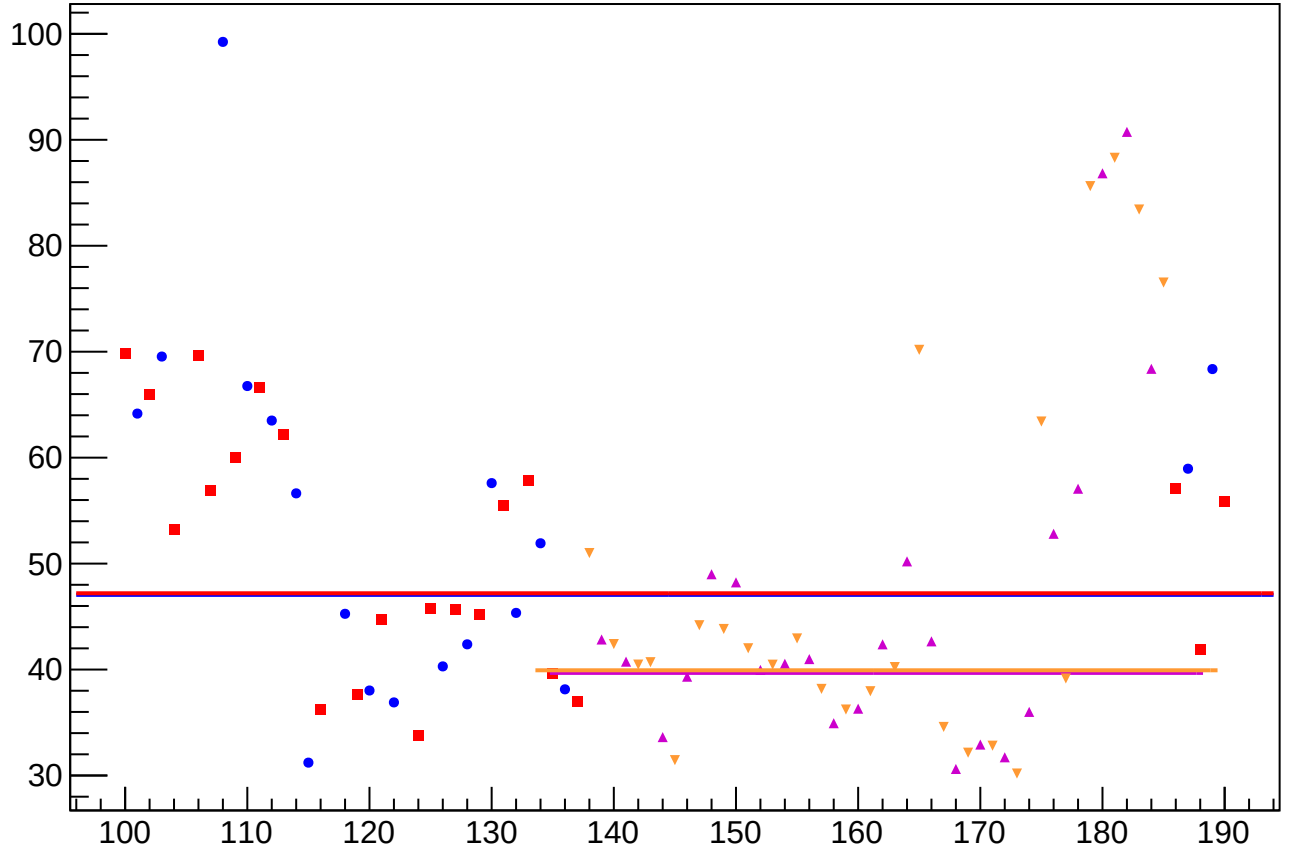
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.004+/-0.012 χ^2/NDF: 31.0/39

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/46

All: 0.004+/-0.006 χ^2/NDF: 92.9/87



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 47.200+/-0.012 χ^2/NDF: 719693.0/21

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

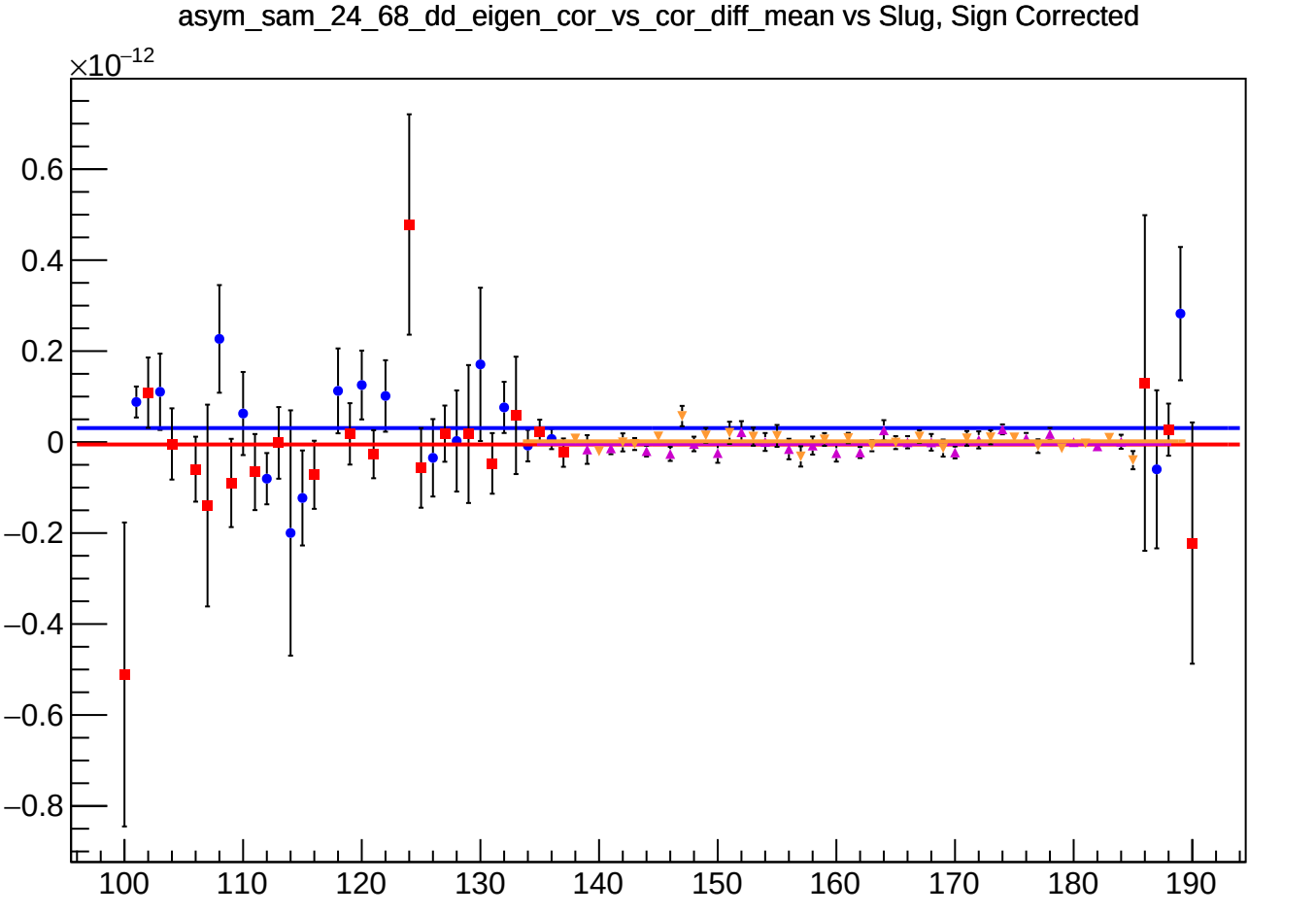
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 47.130+/-0.008 χ^2/NDF: 1736095.6/39

In: 41.428+/-0.006 χ^2/NDF:3200784.7/40

Out: 41.798+/-0.006 χ^2/NDF:3491688.8/46

All: 41.620+/-0.004 χ^2/NDF: 6694422.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/21

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

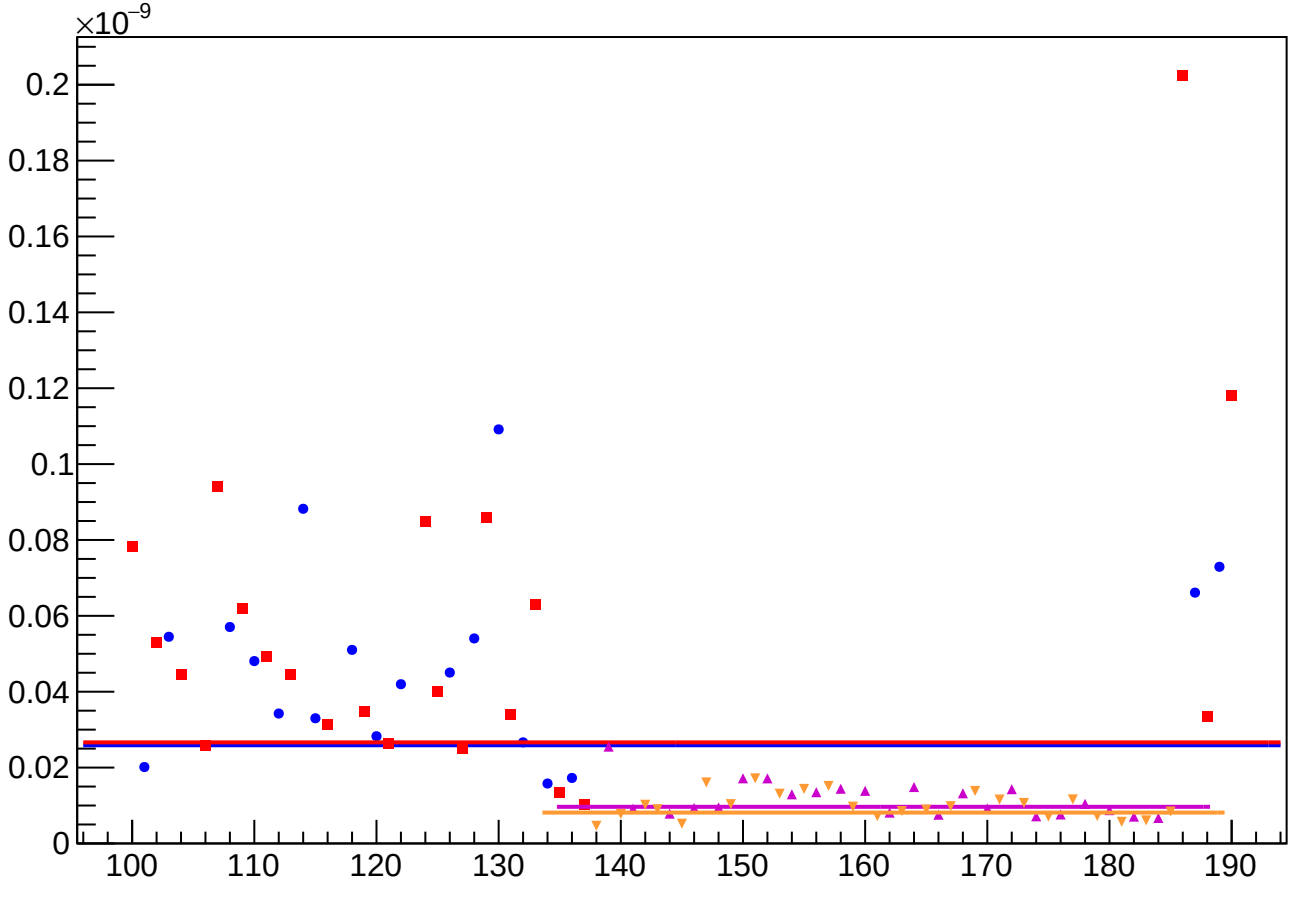
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 43.0/39

In: -0.000+/-0.000 χ^2/NDF:58.0/40

Out: 0.000+/-0.000 χ^2/NDF:43.6/46

All: -0.000+/-0.000 χ^2/NDF: 102.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 2435799.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3519720.5/21

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

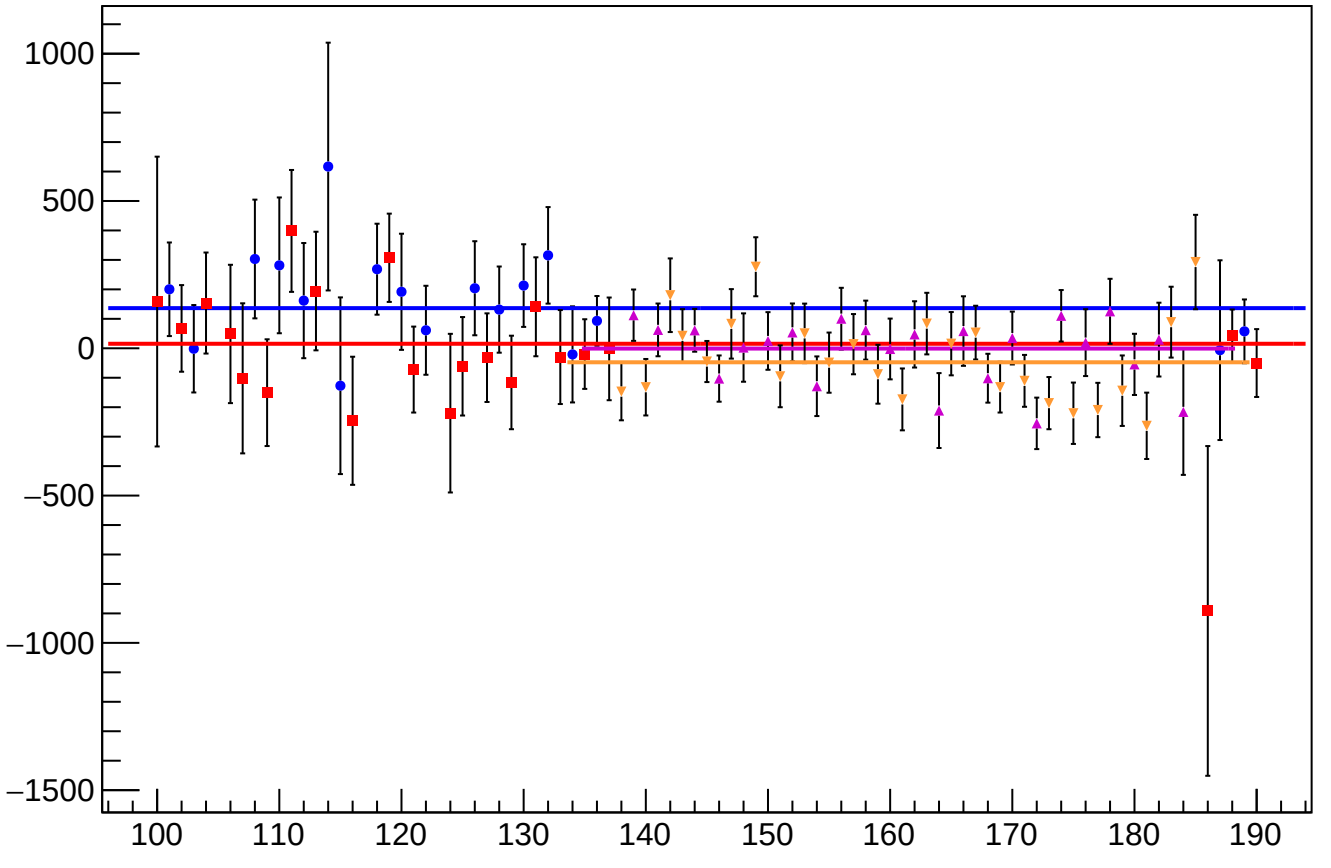
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5958635.1/39

In: 0.000+/-0.000 χ^2/NDF:7319723.2/40

Out: 0.000+/-0.000 χ^2/NDF:9308637.9/46

All: 0.000+/-0.000 χ^2/NDF: 17004498.1/87



Right In: 136.297+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 15.339+/-34.807 χ^2/NDF: 17.3/21

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

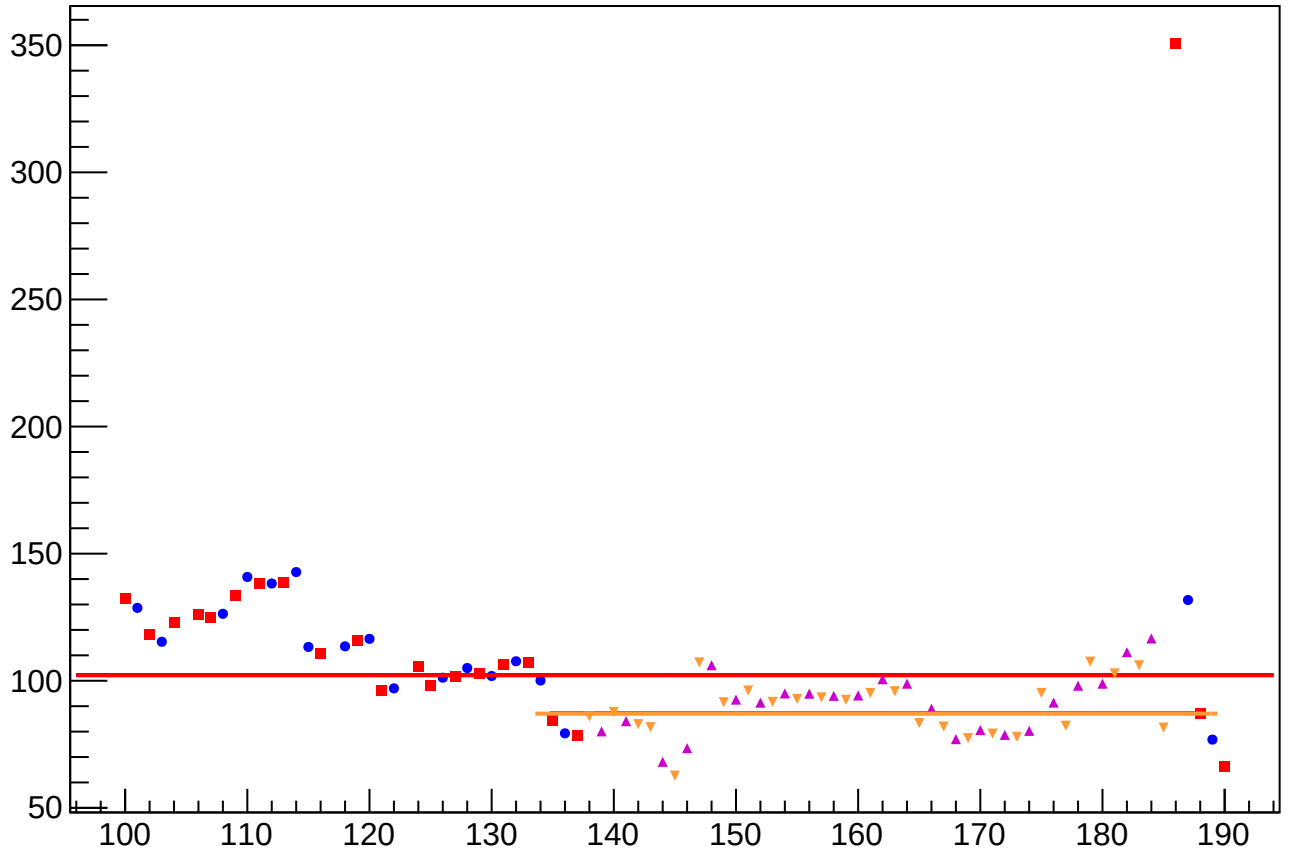
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 72.150+/-25.348 χ^2/NDF: 31.8/39

In: 31.526+/-17.999 χ^2/NDF:44.9/40

Out: -31.941+/-17.330 χ^2/NDF:63.7/46

All: -1.409+/-12.484 χ^2/NDF: 115.0/87



Right In: 102.234+/-0.026 χ^2/NDF: 547869.7/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 102.162+/-0.025 χ^2/NDF: 1040327.1/21

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

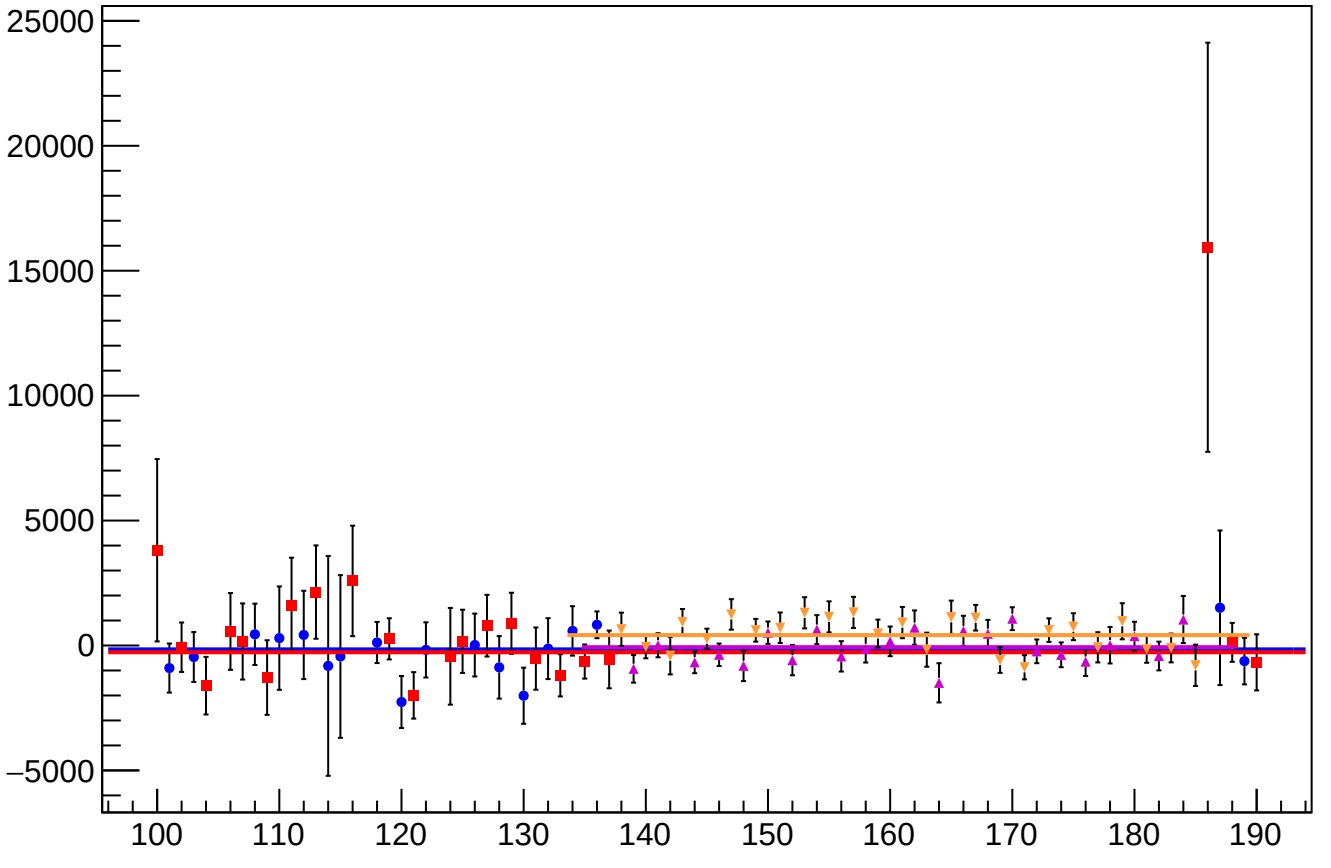
Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

Right: 102.196+/-0.018 χ^2/NDF: 1588200.8/39

In: 90.804+/-0.013 χ^2/NDF:1393950.5/40

Out: 90.812+/-0.012 χ^2/NDF:1943671.1/46

All: 90.808+/-0.009 χ^2/NDF: 3337621.9/87



Right In: -154.651+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -271.021+/-248.762 χ^2/NDF: 19.3/21

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

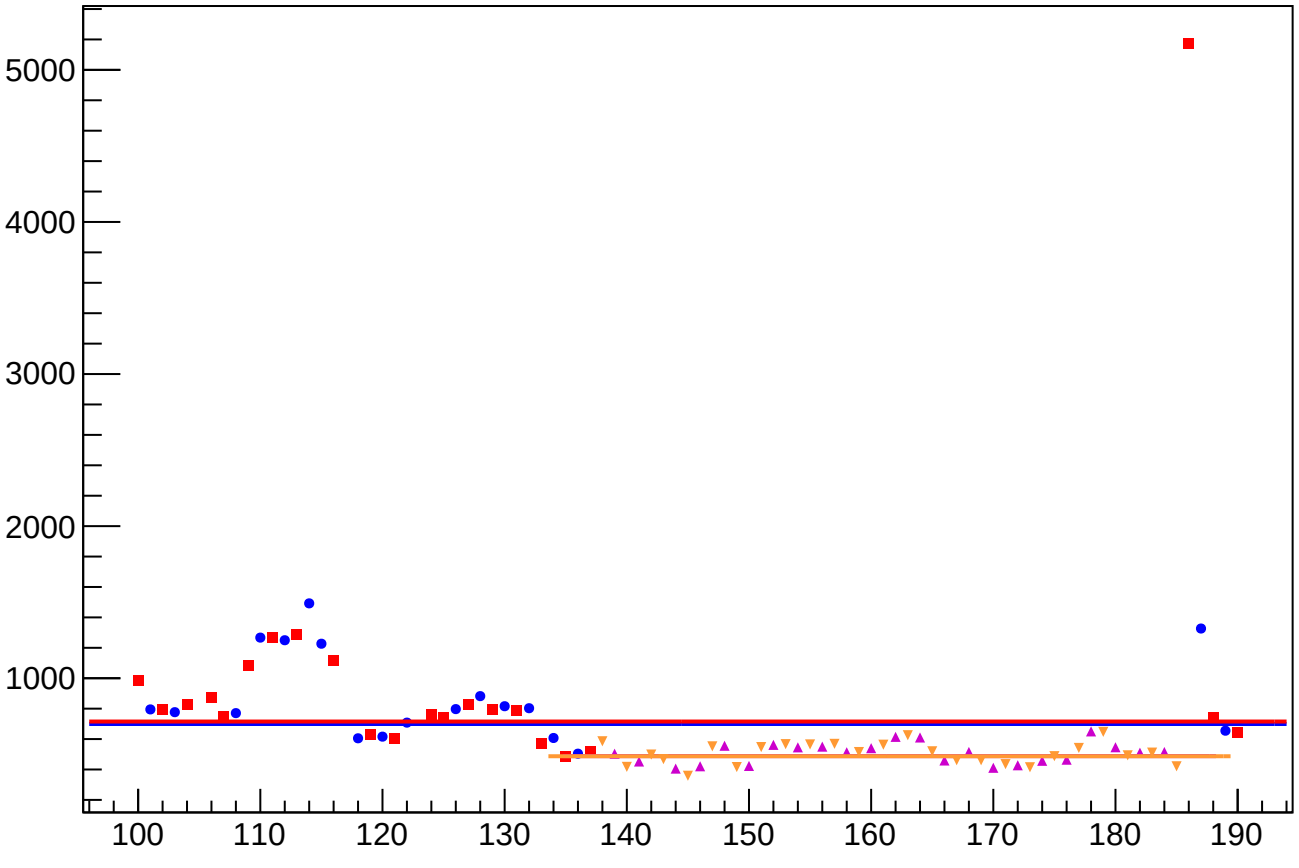
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -214.774+/-178.807 χ^2/NDF: 32.3/39

In: -81.423+/-105.302 χ^2/NDF:40.5/40

Out: 299.983+/-102.381 χ^2/NDF:58.1/46

All: 114.643+/-73.405 χ^2/NDF: 105.3/87



Right In: 699.113+/-0.182 χ^2/NDF: 999686.1/17

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 715.304+/-0.176 χ^2/NDF: 1639042.5/21

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

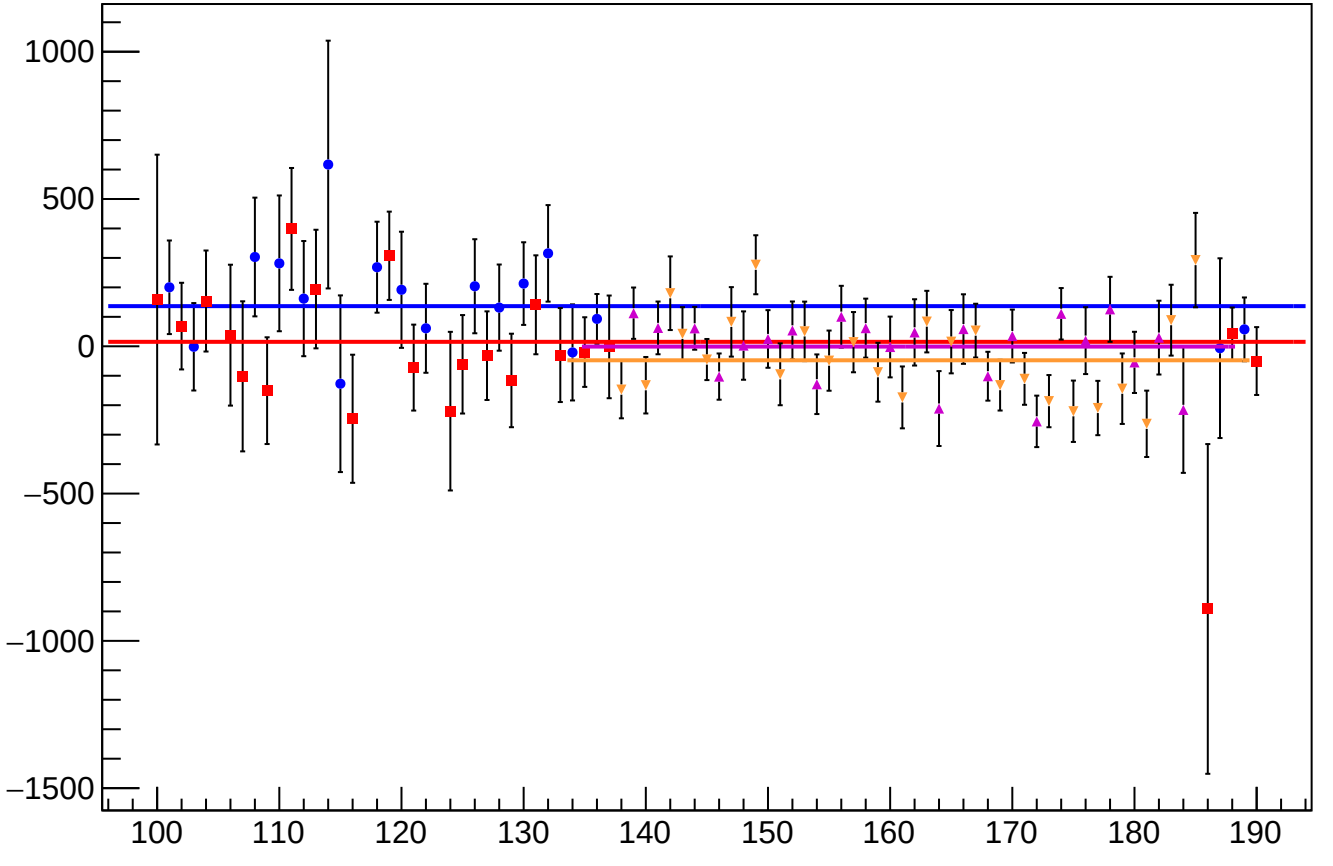
Right: 707.478+/-0.126 χ^2/NDF: 2642823.8/39

In: 523.331+/-0.074 χ^2/NDF:2756355.1/40

Out: 525.738+/-0.072 χ^2/NDF:3858549.5/46

All: 524.568+/-0.052 χ^2/NDF: 6615441.7/87

cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 136.287+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 15.144+/-34.822 χ^2/NDF: 17.3/21

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

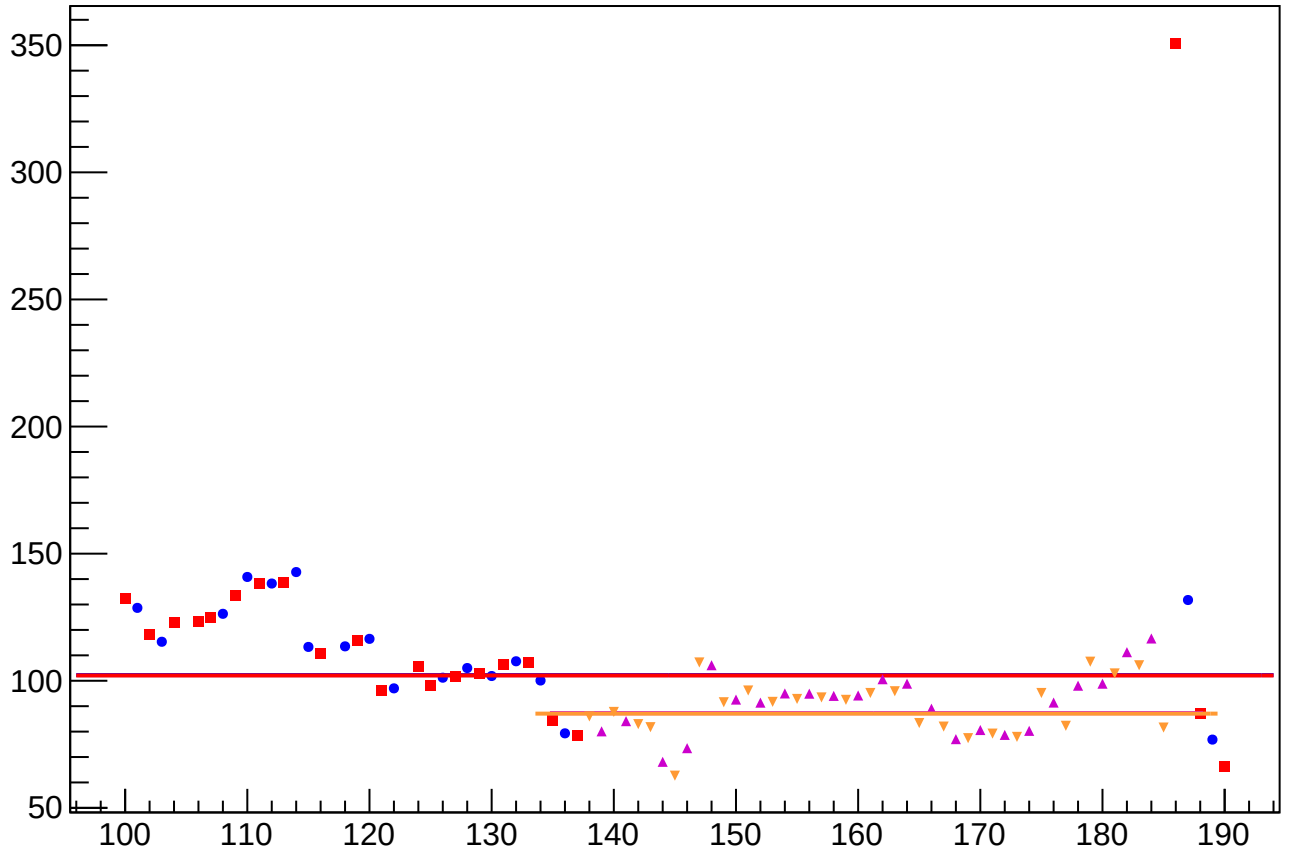
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 72.067+/-25.353 χ^2/NDF: 31.8/39

In: 31.523+/-17.999 χ^2/NDF:44.9/40

Out: -32.005+/-17.332 χ^2/NDF:63.7/46

All: -1.441+/-12.485 χ^2/NDF: 115.0/87



Right In: 102.234+/-0.026 χ^2/NDF: 547870.0/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 102.084+/-0.025 χ^2/NDF: 1035210.0/21

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

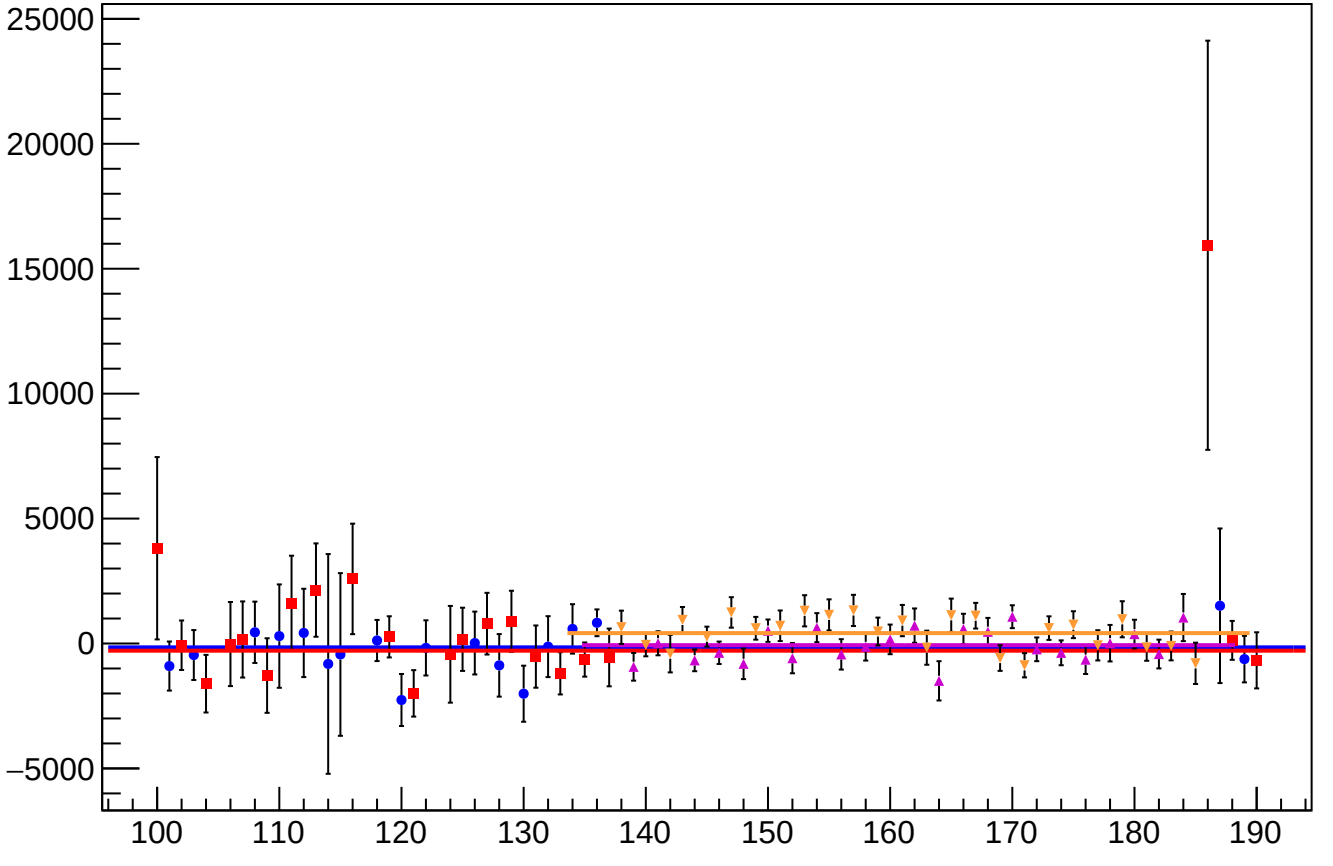
Right: 102.155+/-0.018 χ^2/NDF: 1583097.3/39

In: 90.804+/-0.013 χ^2/NDF:1393950.8/40

Out: 90.791+/-0.012 χ^2/NDF:1935477.7/46

All: 90.797+/-0.009 χ^2/NDF: 3329429.1/87

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -287.469+/-249.312 χ^2/NDF: 19.1/21

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

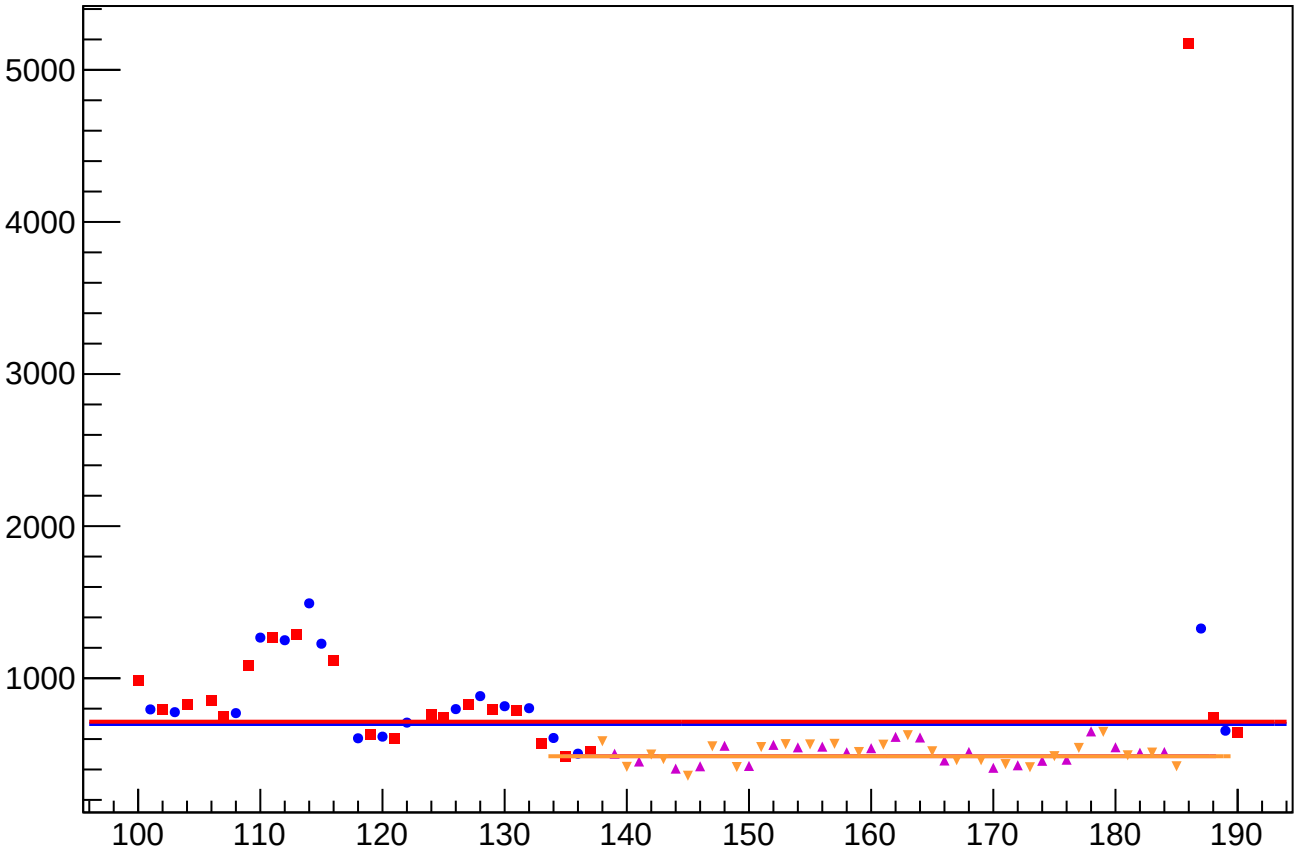
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -223.122+/-179.011 χ^2/NDF: 32.0/39

In: -81.421+/-105.302 χ^2/NDF:40.5/40

Out: 297.627+/-102.419 χ^2/NDF:58.1/46

All: 113.362+/-73.419 χ^2/NDF: 105.2/87



Right In: 699.113+/-0.182 χ^2/NDF: 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.188+/-0.176 χ^2/NDF: 1631352.5/21

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

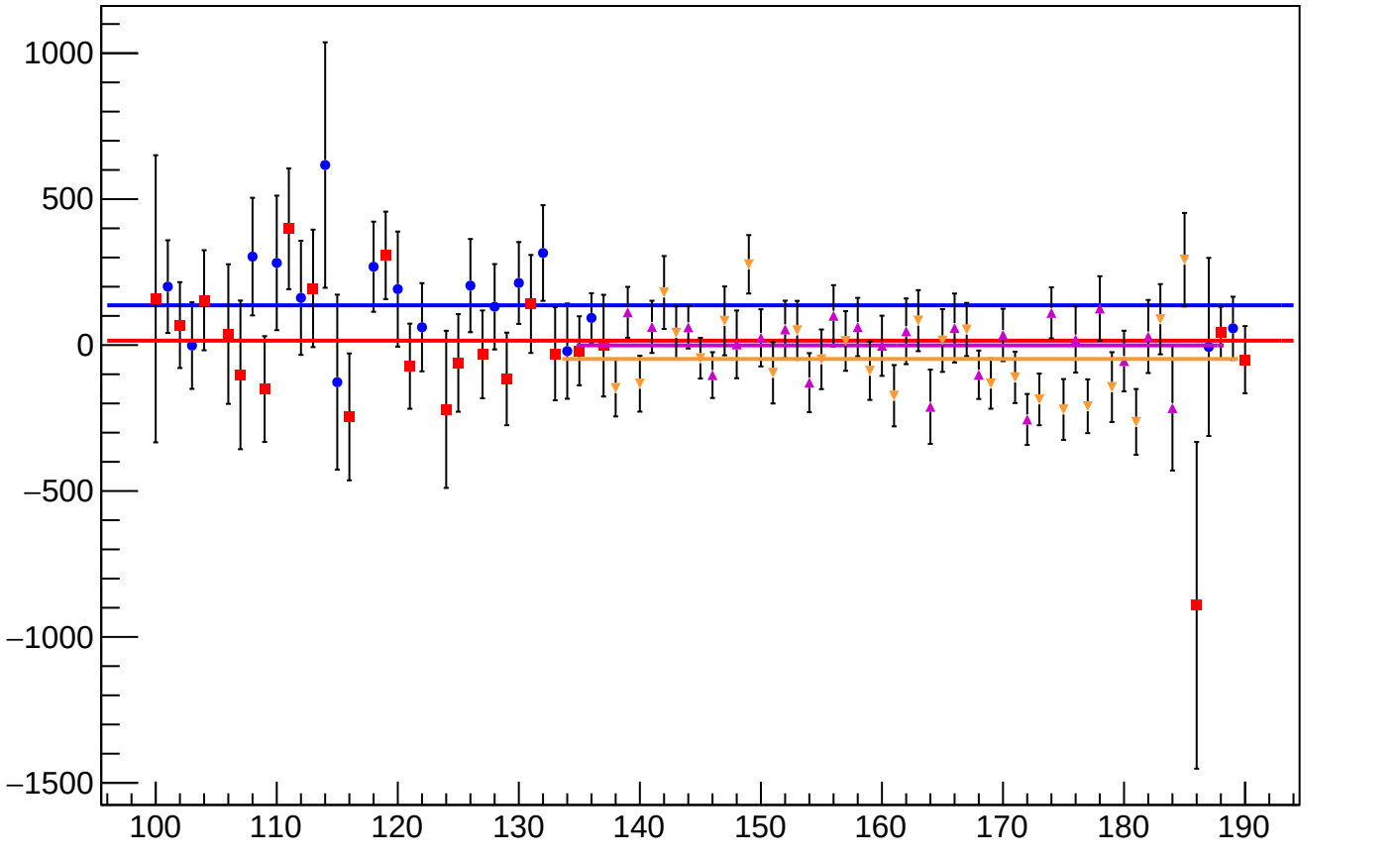
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

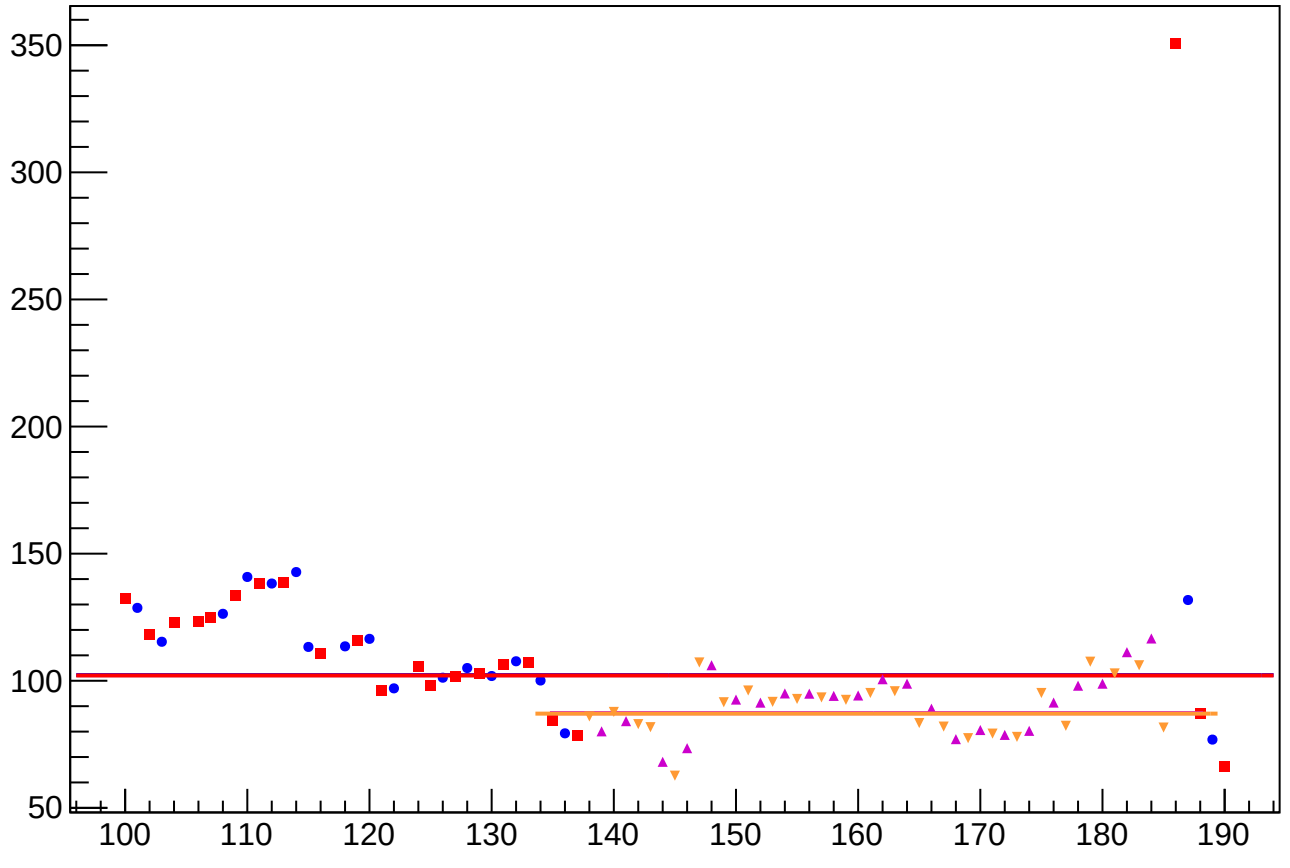
Right: 706.885+/-0.127 χ^2/NDF: 2634590.2/39

In: 523.331+/-0.074 χ^2/NDF:2756371.9/40

Out: 525.408+/-0.072 χ^2/NDF:3832137.3/46

All: 524.398+/-0.052 χ^2/NDF: 6588909.0/87


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 136.287+/-36.986 χ²/NDF: 8.9/17
Left Out: -47.532+/-19.983 χ²/NDF:44.0/24
Right Out: 15.144+/-34.822 χ²/NDF: 17.3/21
Left In: -0.988+/-20.604 χ²/NDF:25.5/22
Left: -24.971+/-14.345 χ²/NDF: 72.1/47
Right: 72.067+/-25.353 χ²/NDF: 31.8/39
In: 31.523+/-17.999 χ²/NDF:44.9/40
Out: -32.005+/-17.332 χ²/NDF:63.7/46
All: -1.441+/-12.485 χ²/NDF: 115.0/87



Right In: 102.234+/-0.026 χ^2/NDF: 547870.0/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 102.084+/-0.025 χ^2/NDF: 1035210.0/21

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

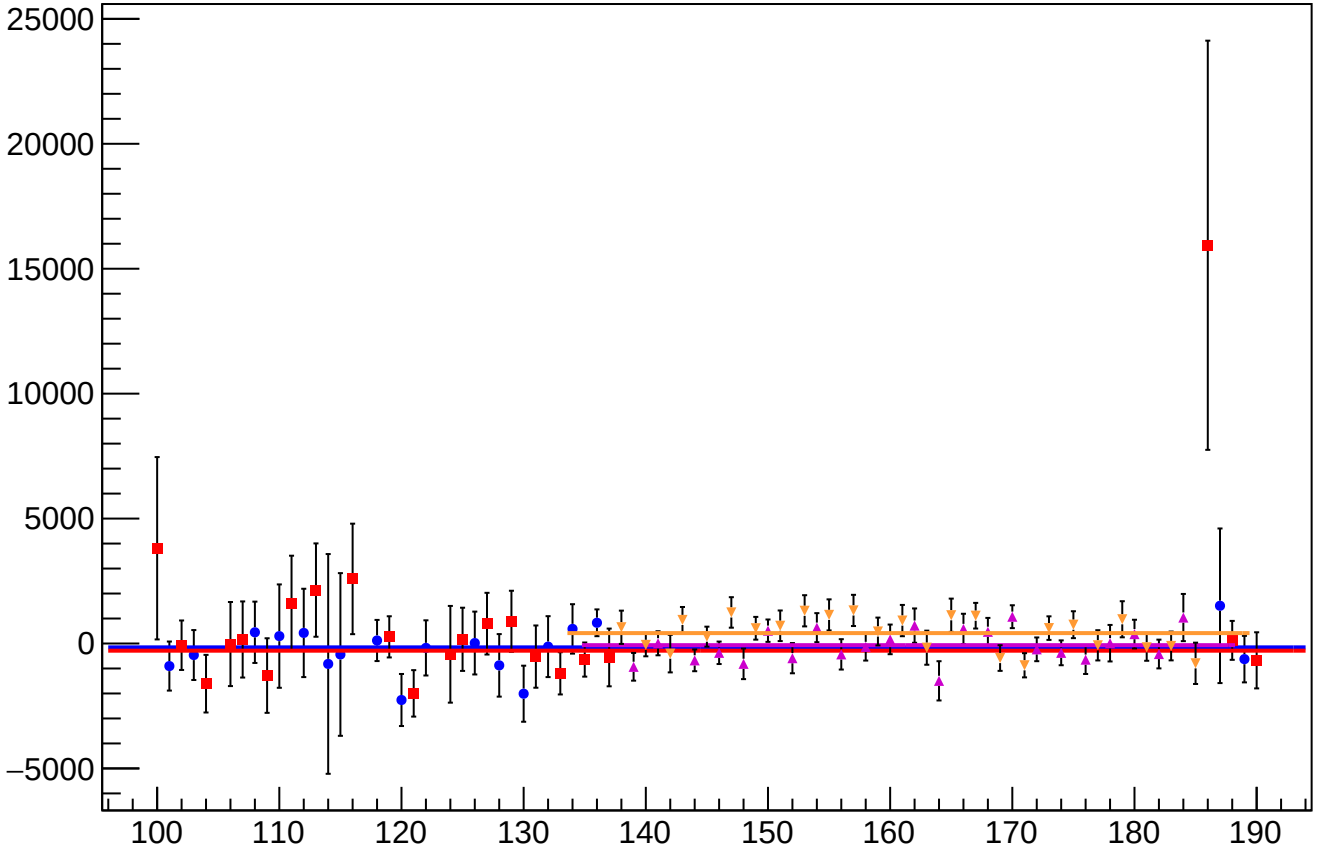
Right: 102.155+/-0.018 χ^2/NDF: 1583097.3/39

In: 90.804+/-0.013 χ^2/NDF:1393950.8/40

Out: 90.791+/-0.012 χ^2/NDF:1935477.7/46

All: 90.797+/-0.009 χ^2/NDF: 3329429.1/87

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -287.469+/-249.312 χ^2/NDF: 19.1/21

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

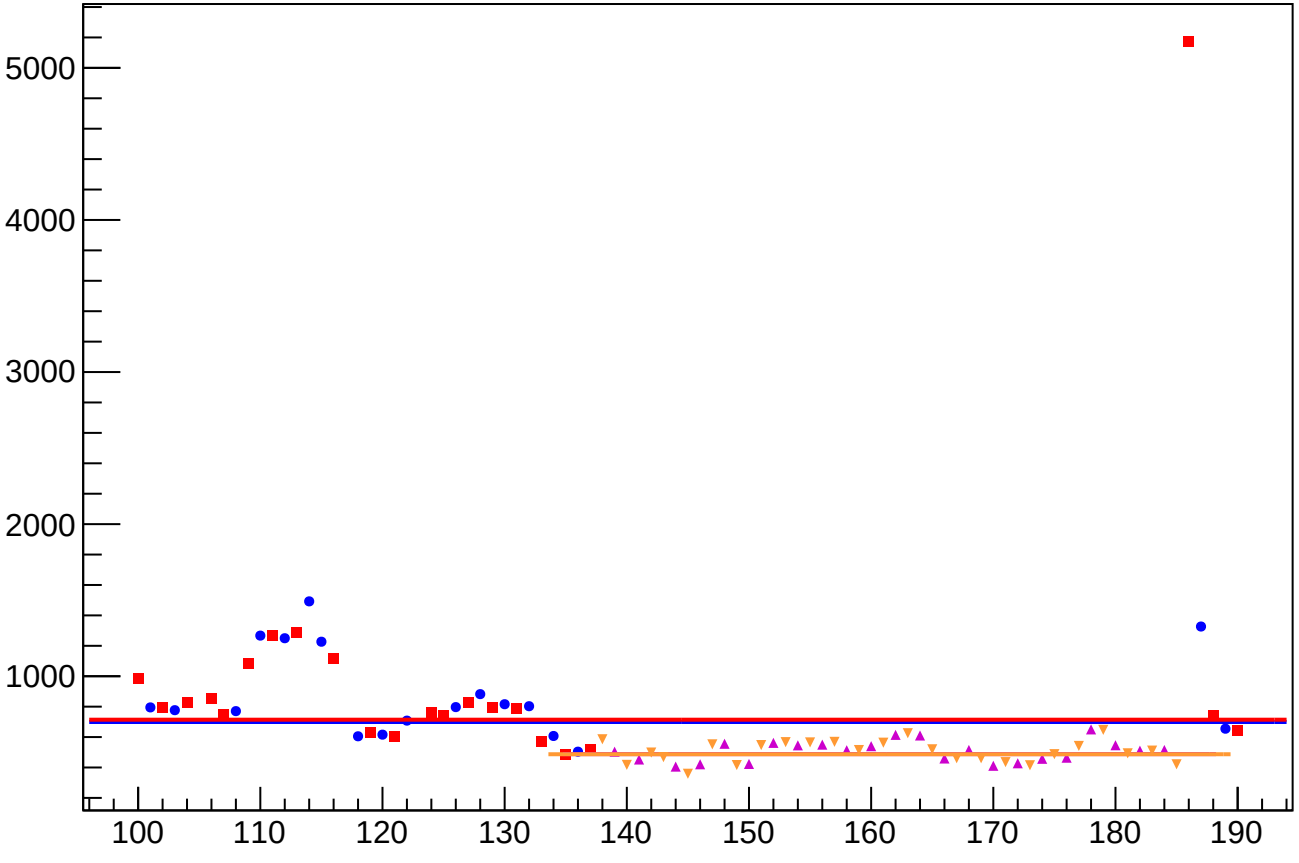
Right: -223.122+/-179.011 χ^2/NDF: 32.0/39

In: -81.421+/-105.302 χ^2/NDF:40.5/40

Out: 297.627+/-102.419 χ^2/NDF:58.1/46

All: 113.362+/-73.419 χ^2/NDF: 105.2/87

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 699.113+/-0.182 χ^2/NDF: 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.188+/-0.176 χ^2/NDF: 1631352.5/21

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

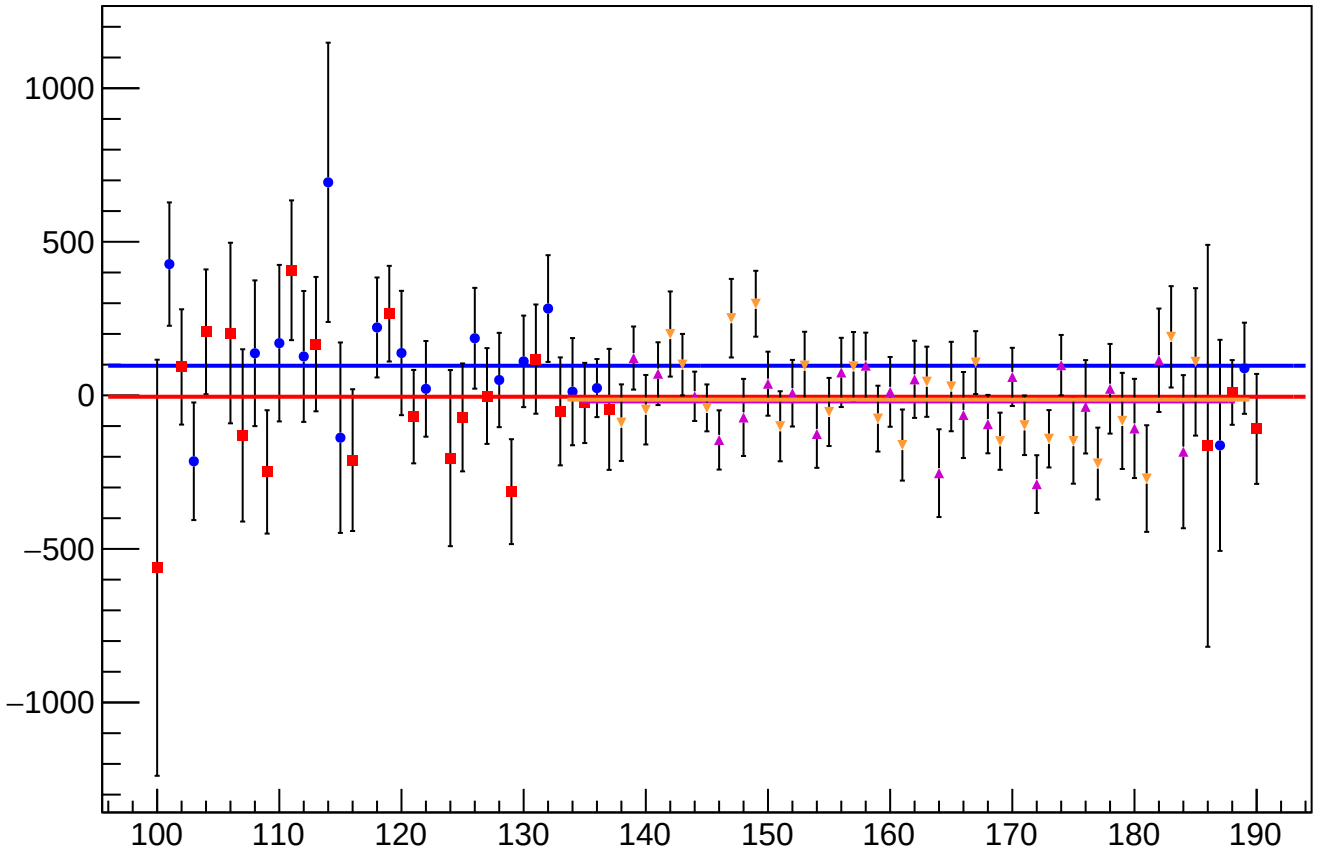
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 706.885+/-0.127 χ^2/NDF: 2634590.2/39

In: 523.331+/-0.074 χ^2/NDF:2756371.9/40

Out: 525.408+/-0.072 χ^2/NDF:3832137.3/46

All: 524.398+/-0.052 χ^2/NDF: 6588909.0/87



Right In: 96.422+/-41.447 χ^2/NDF: 11.6/17

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -4.493+/-39.547 χ^2/NDF: 17.0/21

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

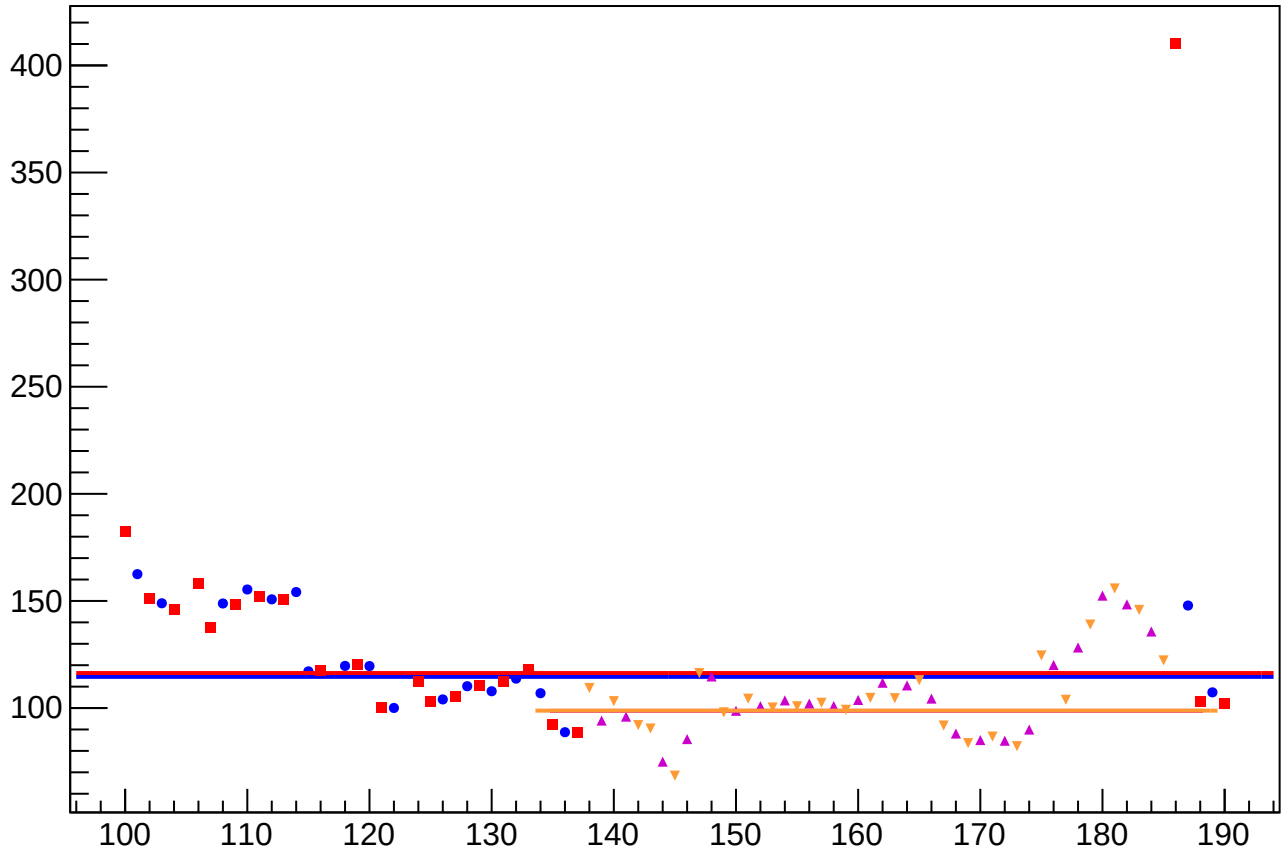
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 43.598+/-28.612 χ^2/NDF: 31.7/39

In: 8.599+/-20.490 χ^2/NDF:40.8/40

Out: -11.538+/-19.828 χ^2/NDF:53.5/46

All: -1.800+/-14.249 χ^2/NDF: 94.8/87



Right In: 114.566+/-0.029 χ^2/NDF: 555515.8/17

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 116.348+/-0.028 χ^2/NDF: 935576.4/21

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

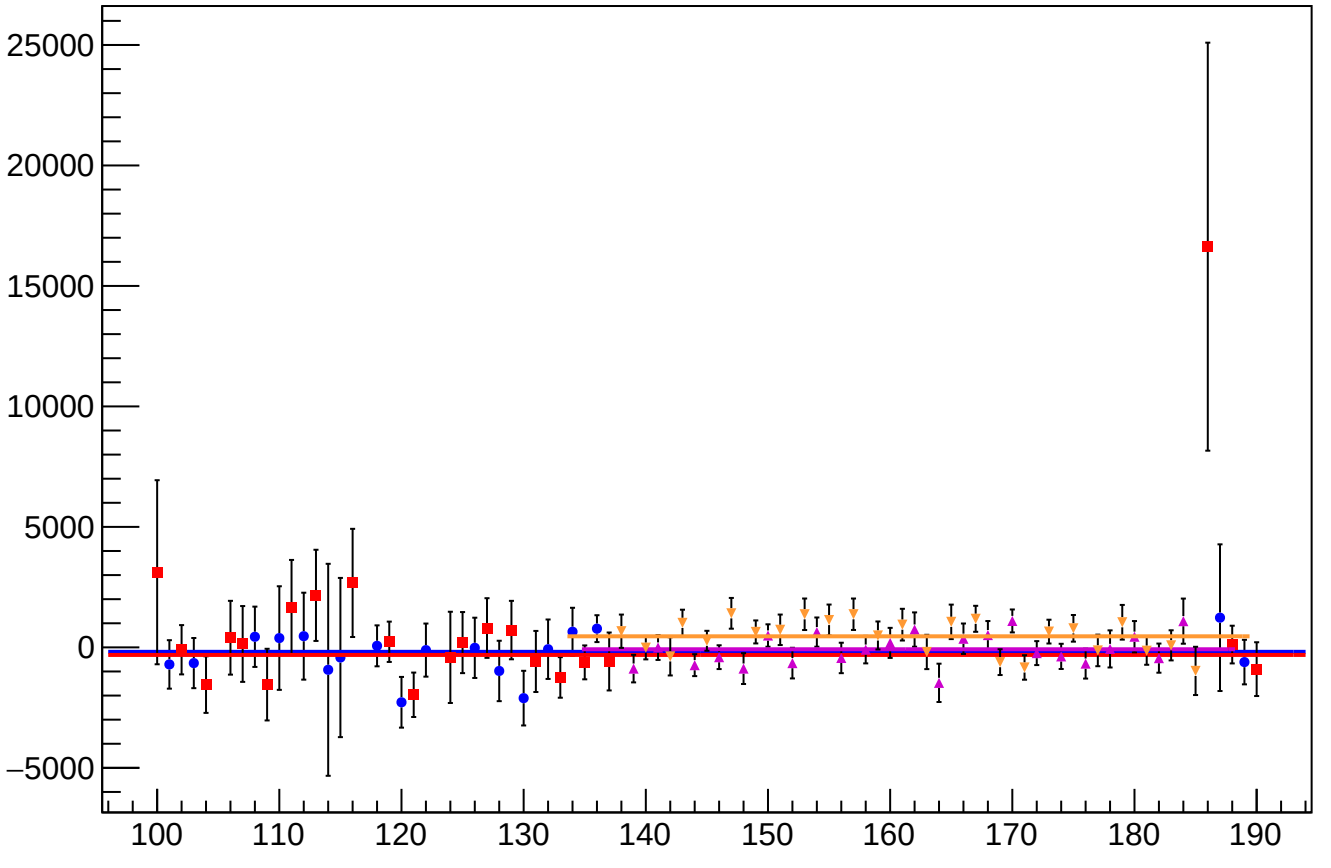
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 115.499+/-0.020 χ^2/NDF: 1493027.4/39

In: 102.557+/-0.014 χ^2/NDF:1765552.1/40

Out: 103.210+/-0.014 χ^2/NDF:2416234.7/46

All: 102.894+/-0.010 χ^2/NDF: 4182836.8/87



Right In: -185.094+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -313.677+/-251.497 χ^2/NDF: 18.9/21

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

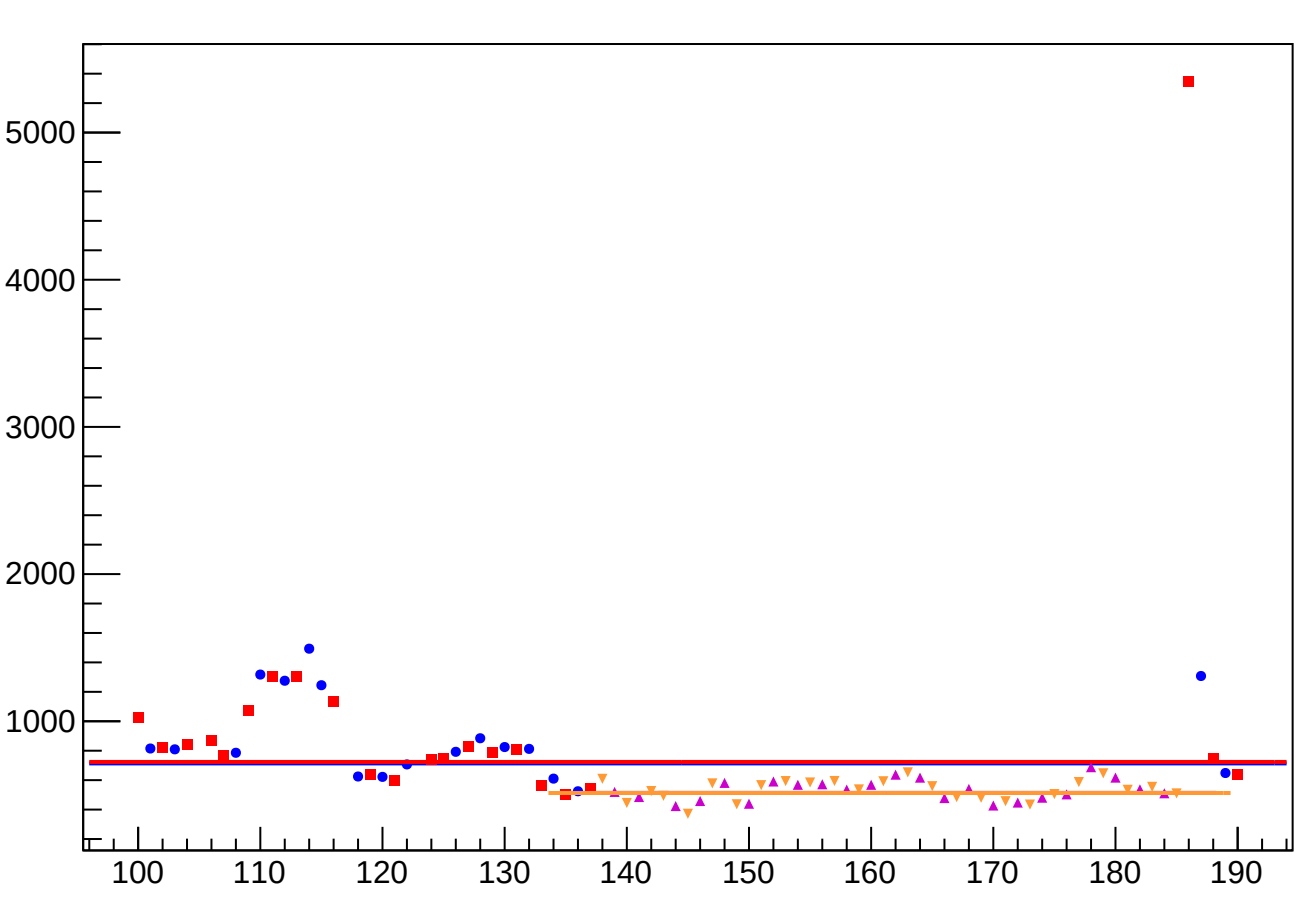
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -252.068+/-181.507 χ^2/NDF: 31.4/39

In: -97.564+/-110.193 χ^2/NDF:38.8/40

Out: 319.454+/-106.909 χ^2/NDF:57.4/46

All: 117.253+/-76.731 χ^2/NDF: 103.6/87



Right In: 713.746+/-0.185 χ^2/NDF: 962343.8/17

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 723.773+/-0.178 χ^2/NDF: 1628677.5/21

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

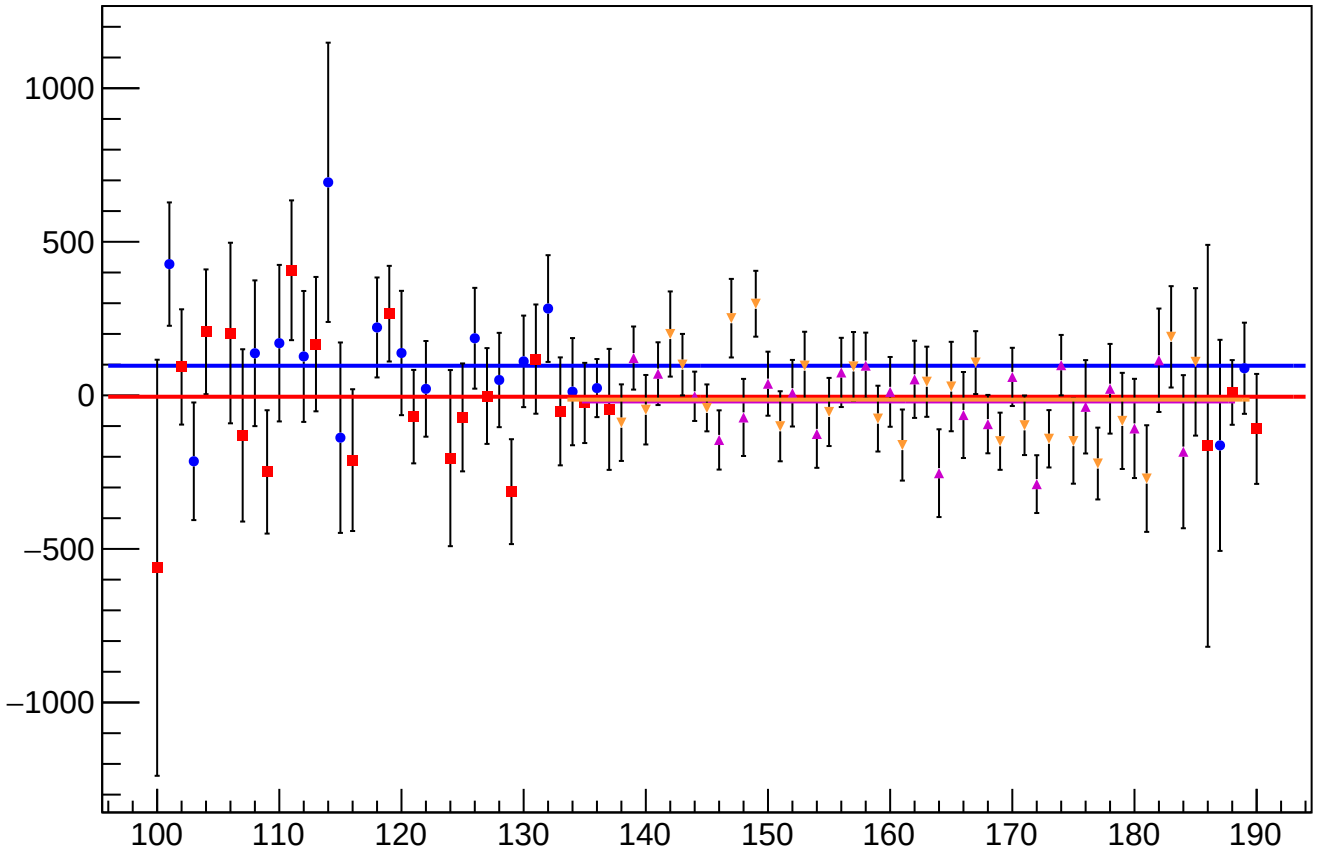
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 718.969+/-0.128 χ^2/NDF: 2592544.6/39

In: 548.760+/-0.078 χ^2/NDF:2557930.6/40

Out: 550.897+/-0.076 χ^2/NDF:3581345.2/46

All: 549.861+/-0.054 χ^2/NDF: 6139663.3/87



Right In: 96.420+/-41.447 χ^2/NDF: 11.6/17

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -4.493+/-39.547 χ^2/NDF: 17.0/21

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

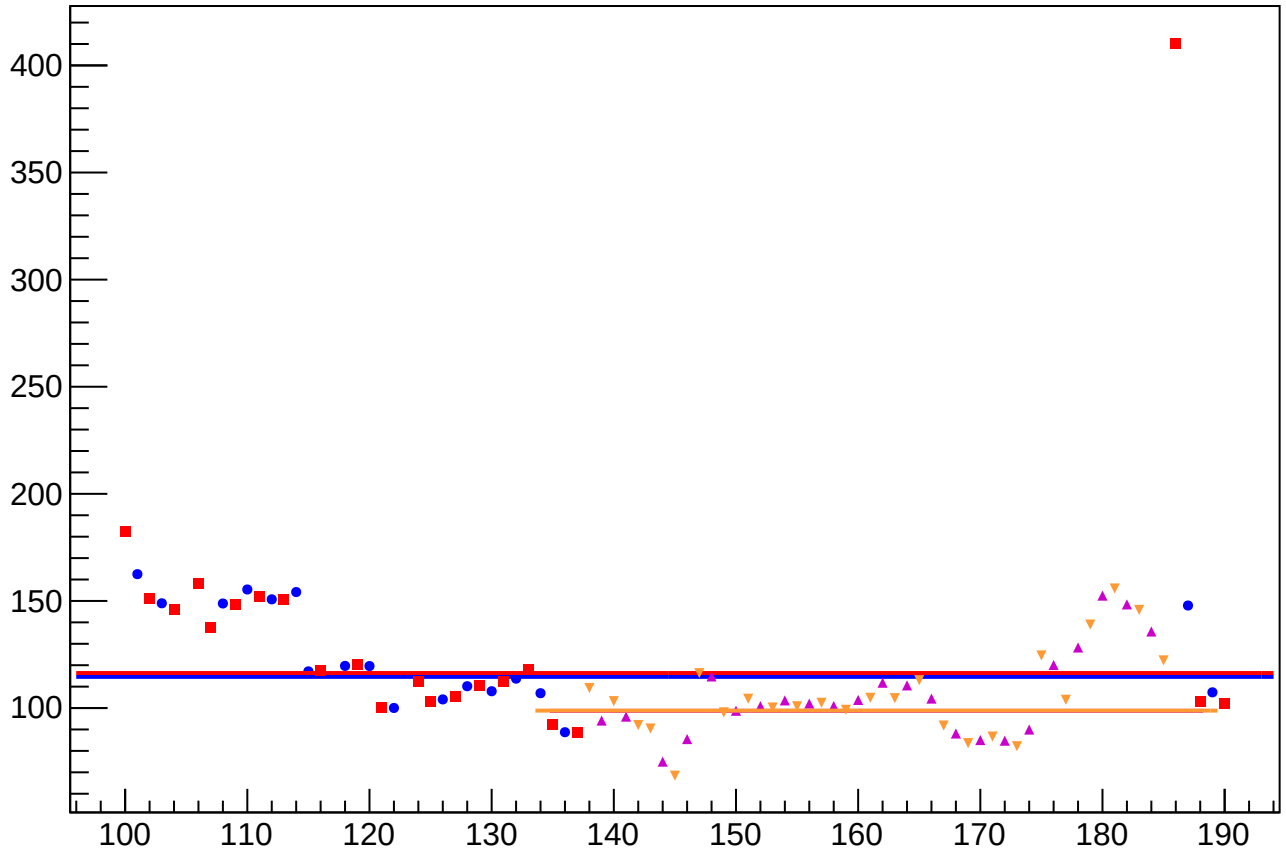
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 43.597+/-28.612 χ^2/NDF: 31.7/39

In: 8.598+/-20.490 χ^2/NDF:40.8/40

Out: -11.540+/-19.828 χ^2/NDF:53.5/46

All: -1.801+/-14.249 χ^2/NDF: 94.8/87



Right In: 114.567+/-0.029 χ^2/NDF: 555500.7/17

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 116.348+/-0.028 χ^2/NDF: 935564.6/21

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

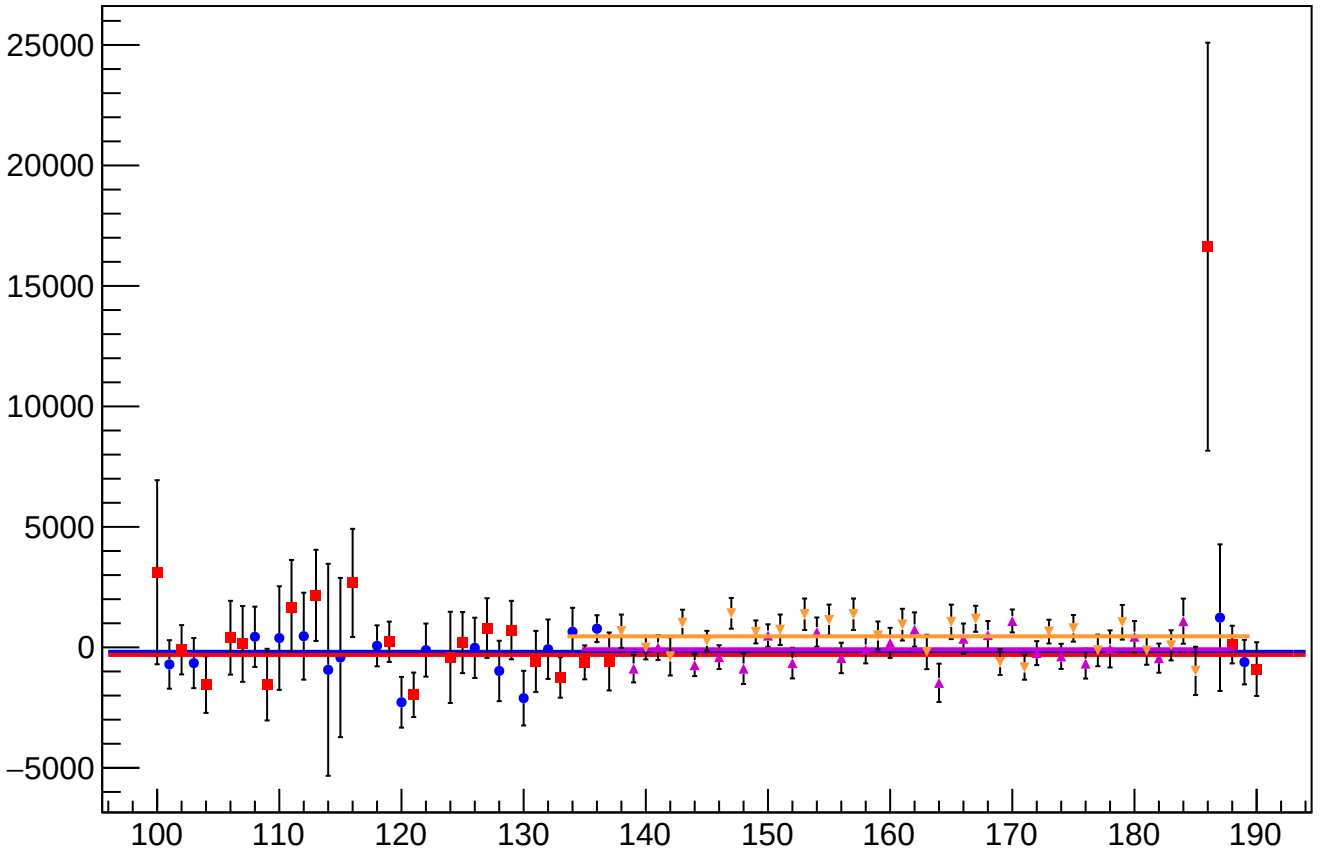
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 115.499+/-0.020 χ^2/NDF: 1493000.1/39

In: 102.557+/-0.014 χ^2/NDF:1765533.9/40

Out: 103.210+/-0.014 χ^2/NDF:2416228.7/46

All: 102.894+/-0.010 χ^2/NDF: 4182812.3/87



Right In: -185.096+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -313.677+/-251.497 χ^2/NDF: 18.9/21

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

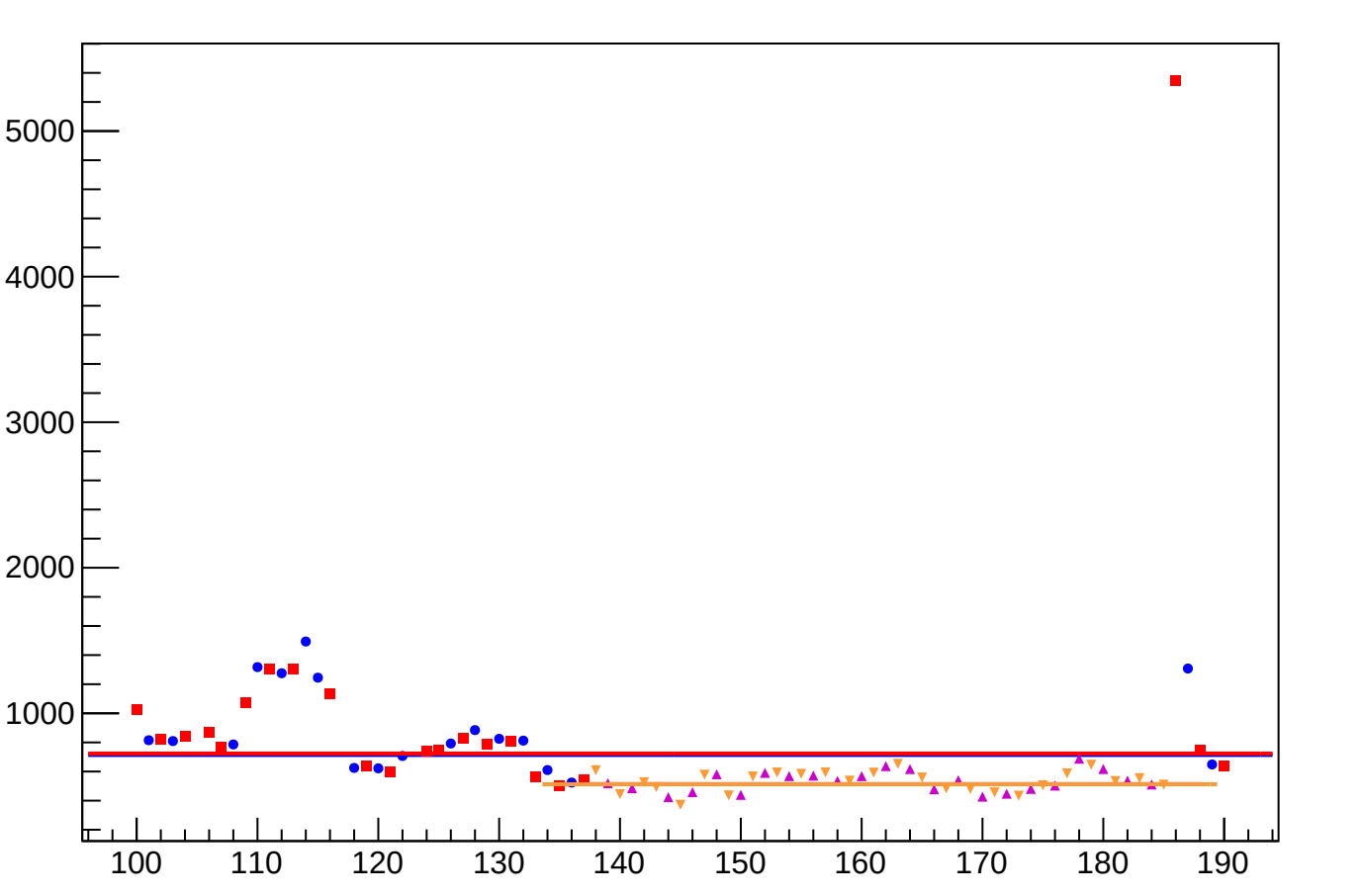
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -252.069+/-181.507 χ^2/NDF: 31.4/39

In: -97.564+/-110.193 χ^2/NDF:38.8/40

Out: 319.452+/-106.909 χ^2/NDF:57.4/46

All: 117.252+/-76.731 χ^2/NDF: 103.6/87



Right In: 713.746+/-0.185 χ^2/NDF: 962338.9/17

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 723.772+/-0.178 χ^2/NDF: 1628670.5/21

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

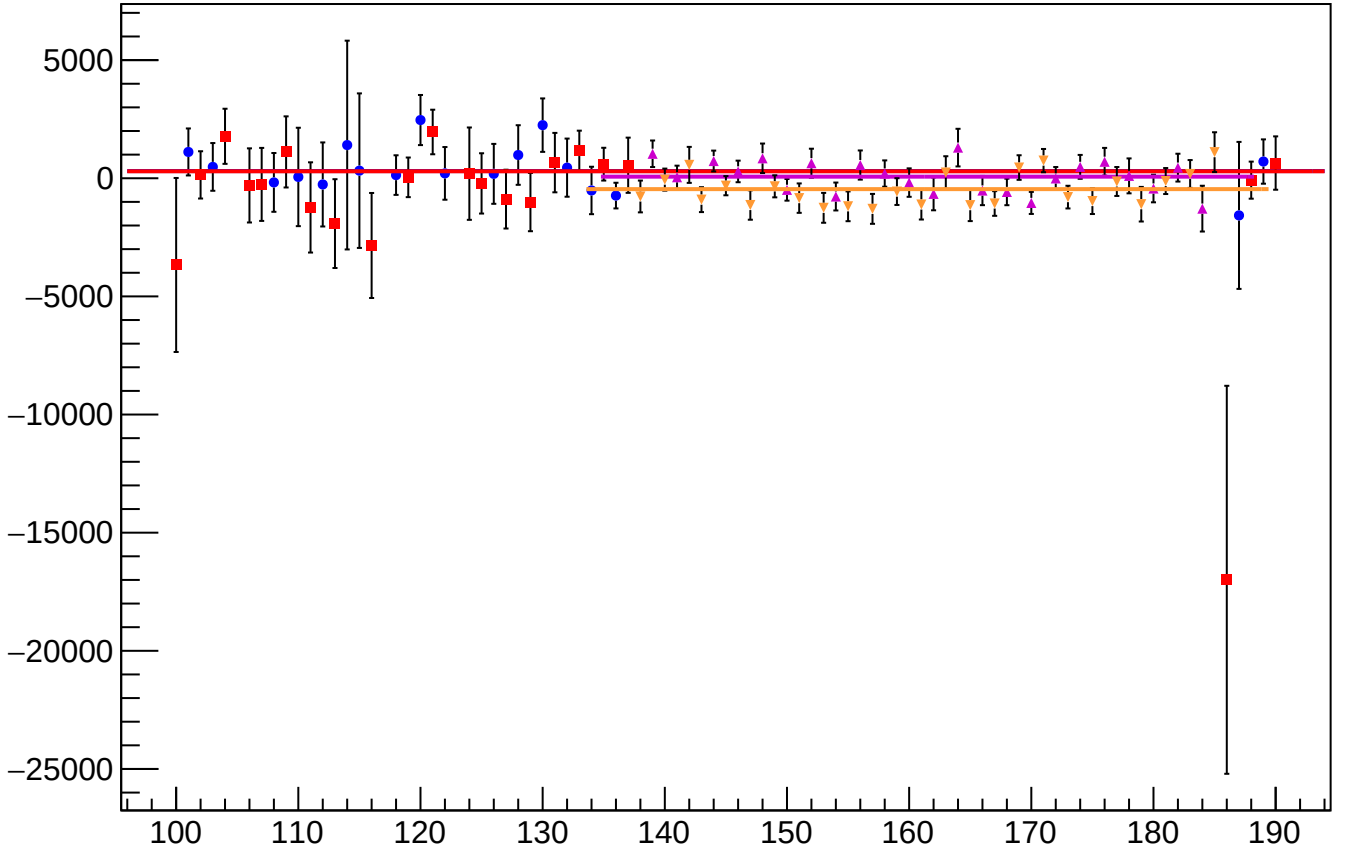
Right: 718.968+/-0.128 χ^2/NDF: 2592532.6/39

In: 548.760+/-0.078 χ^2/NDF:2557922.7/40

Out: 550.897+/-0.076 χ^2/NDF:3581333.9/46

All: 549.860+/-0.054 χ^2/NDF: 6139644.1/87

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 304.336+/-260.268 χ^2/NDF: 13.3/17

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 295.580+/-251.722 χ^2/NDF: 18.9/21

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

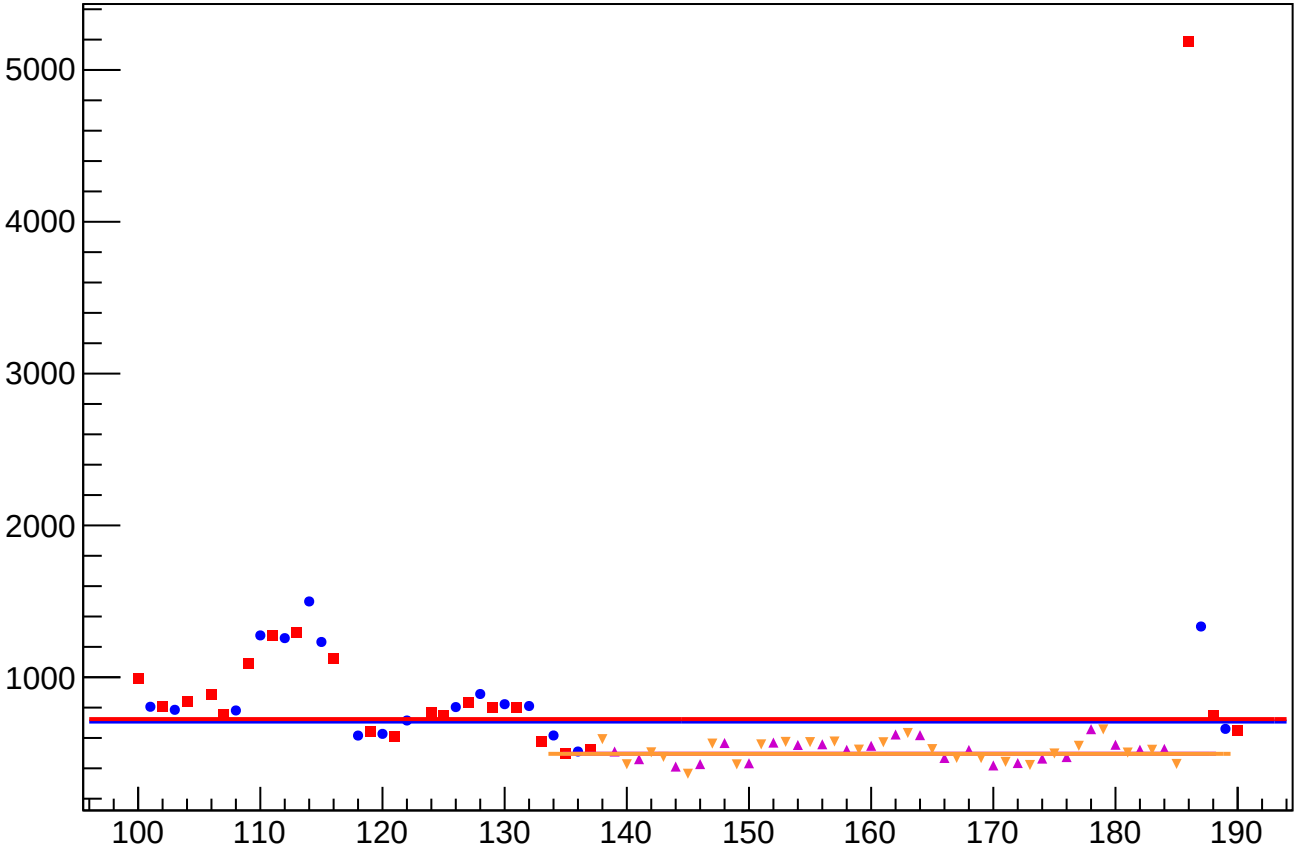
Right: 299.812+/-180.940 χ^2/NDF: 32.2/39

In: 107.973+/-106.991 χ^2/NDF:42.6/40

Out: -330.855+/-104.023 χ^2/NDF:57.2/46

All: -117.613+/-74.582 χ^2/NDF: 108.4/87

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.952+/-0.184 χ^2/NDF: 983025.0/17

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 724.349+/-0.178 χ^2/NDF: 1617783.8/21

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

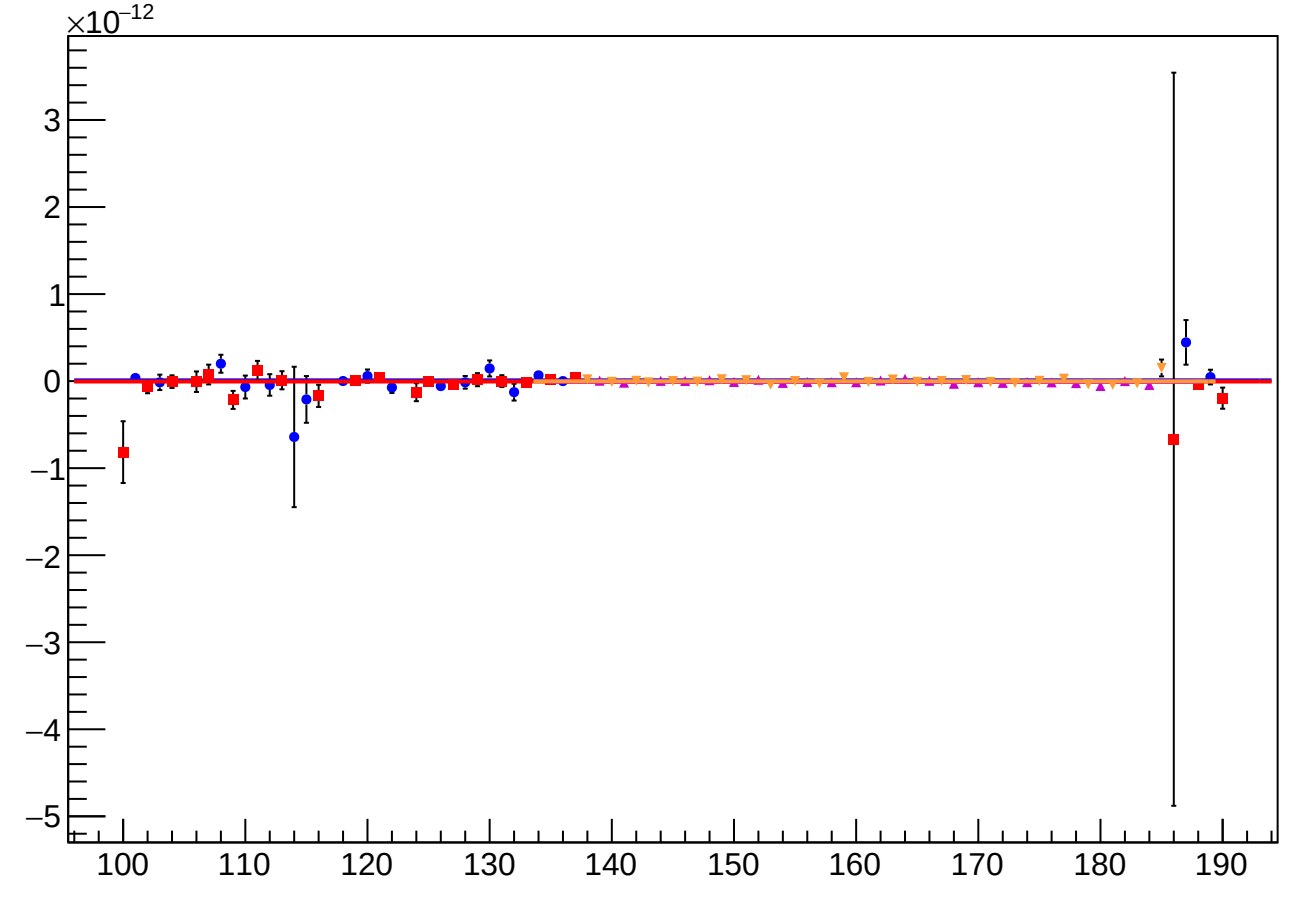
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 716.425+/-0.128 χ^2/NDF: 2604910.3/39

In: 532.072+/-0.076 χ^2/NDF:2704416.6/40

Out: 534.593+/-0.074 χ^2/NDF:3793038.3/46

All: 533.368+/-0.053 χ^2/NDF: 6498025.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/21

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

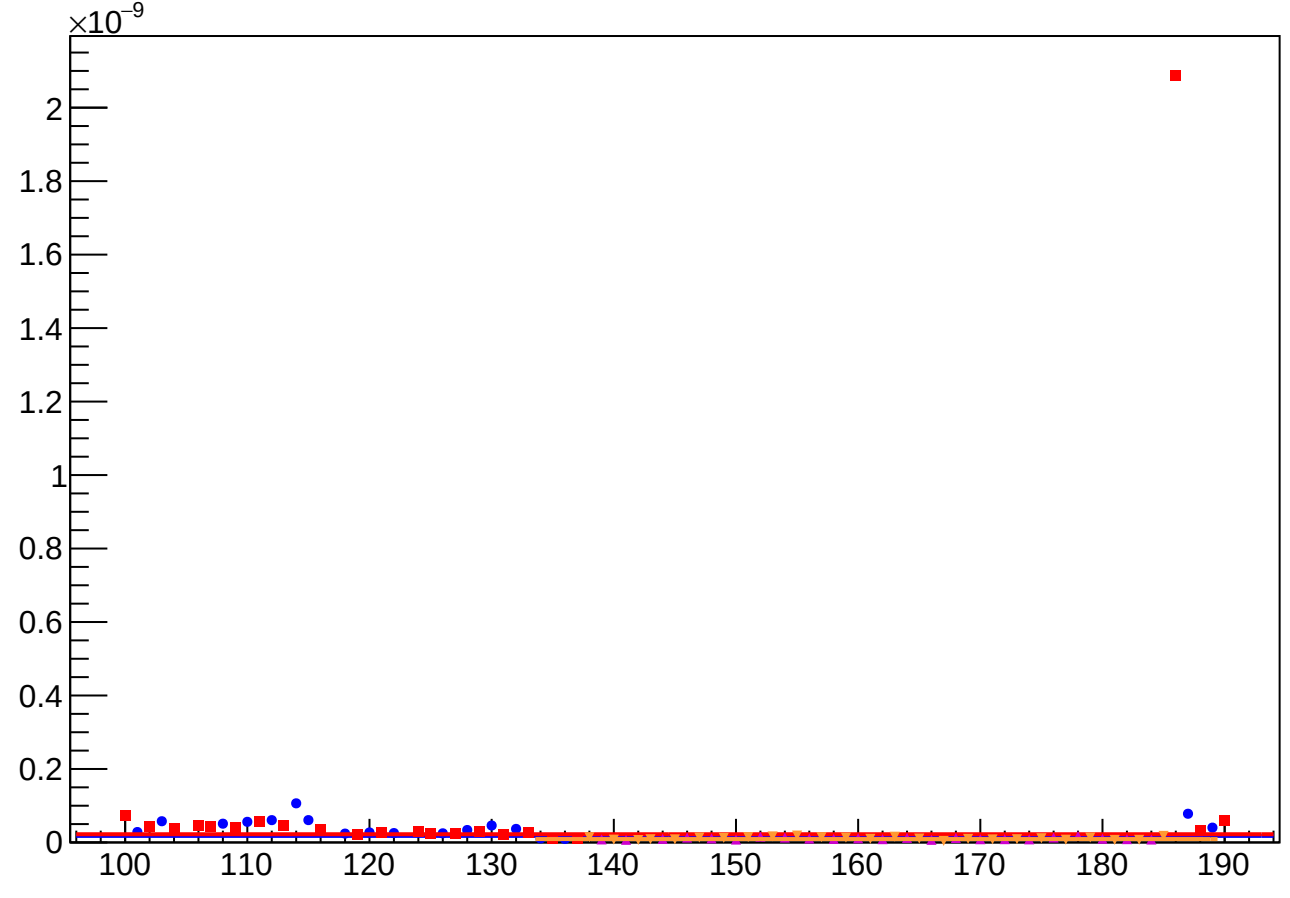
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: 0.000+/-0.000 χ^2/NDF: 41.9/39

In: -0.000+/-0.000 χ^2/NDF:37.9/40

Out: -0.000+/-0.000 χ^2/NDF:46.0/46

All: -0.000+/-0.000 χ^2/NDF: 84.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 2626042.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2426274.6/21

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

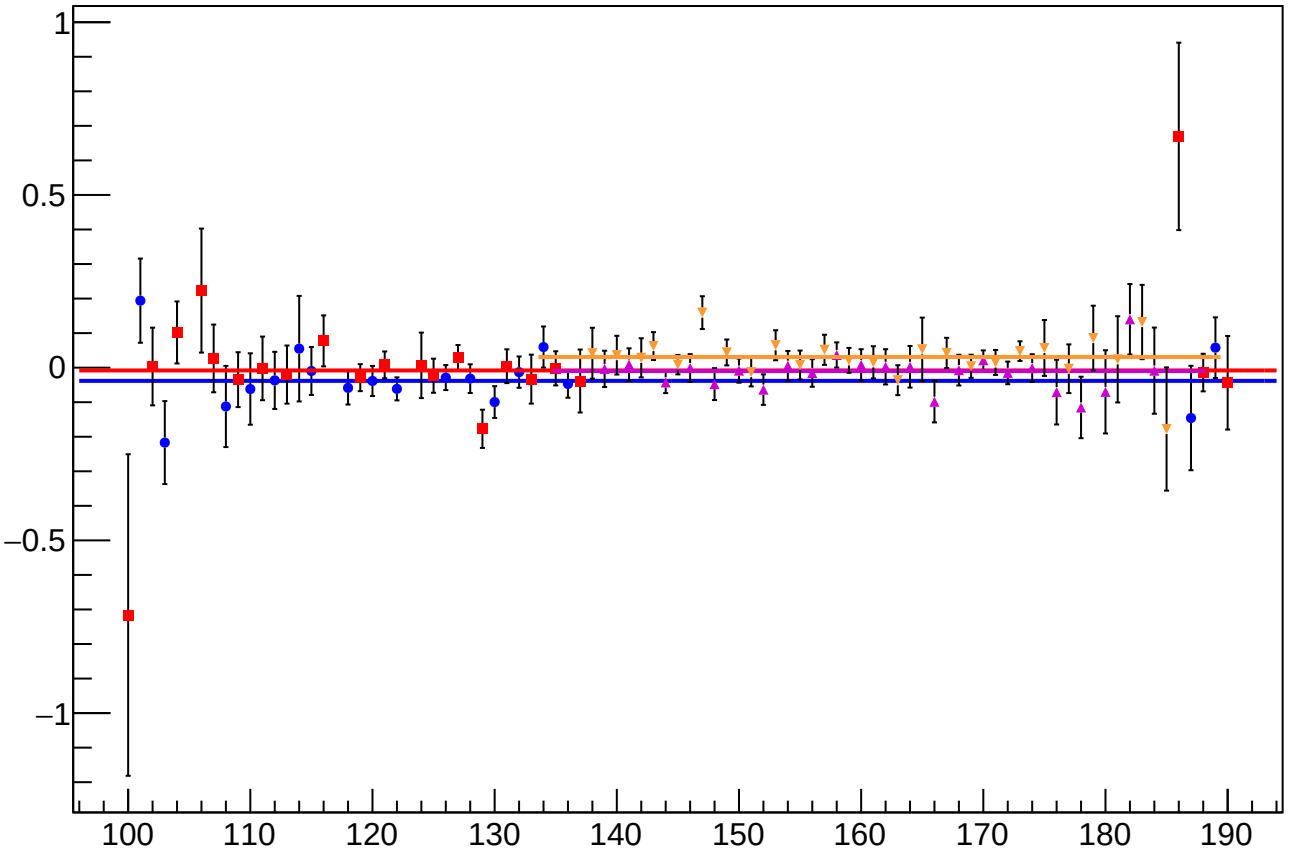
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5189757.2/39

In: 0.000+/-0.000 χ^2/NDF:4158146.3/40

Out: 0.000+/-0.000 χ^2/NDF:6182524.7/46

All: 0.000+/-0.000 χ^2/NDF: 10354714.2/87



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.6/21

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

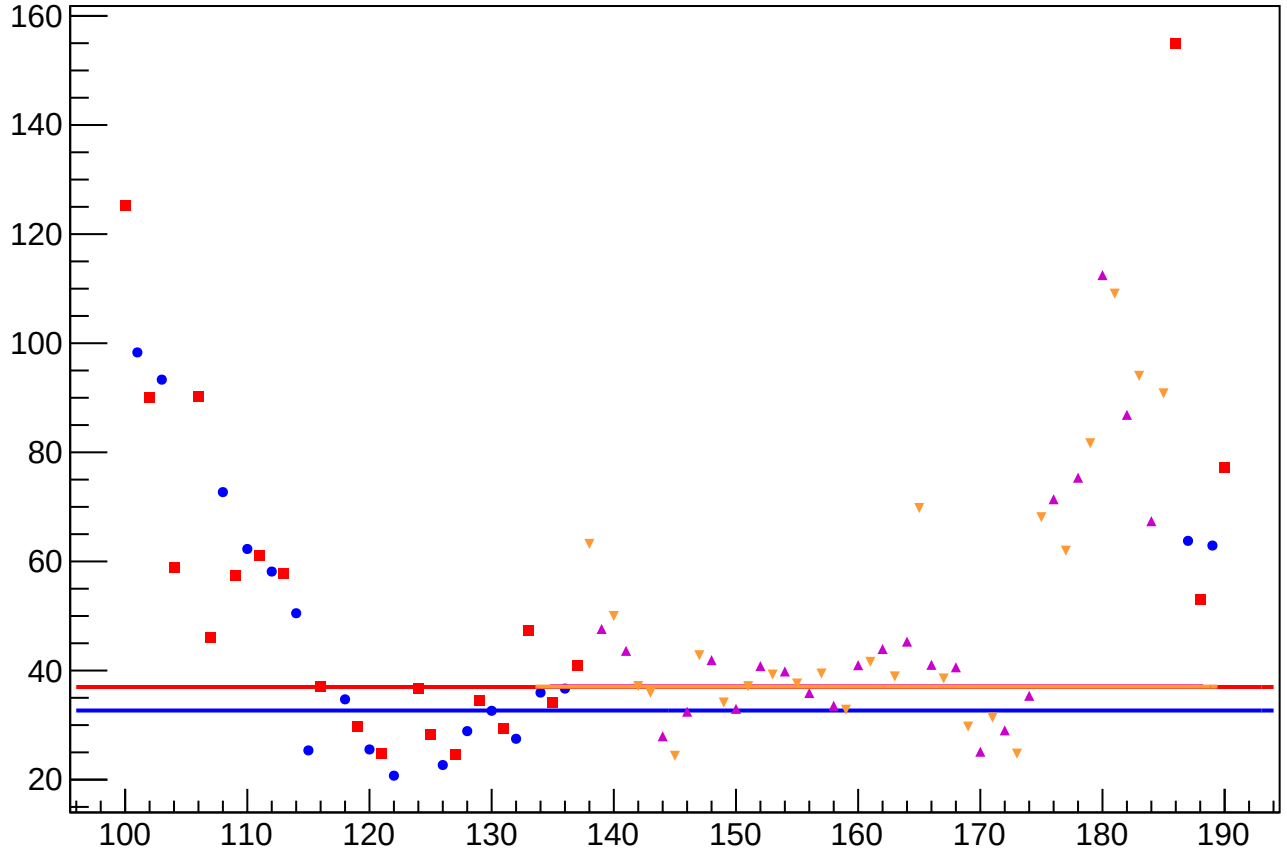
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.024+/-0.009 χ^2/NDF: 41.3/39

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:48.1/46

All: -0.000+/-0.005 χ^2/NDF: 91.4/87



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 36.985+/-0.010 χ^2/NDF: 2605046.9/21

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

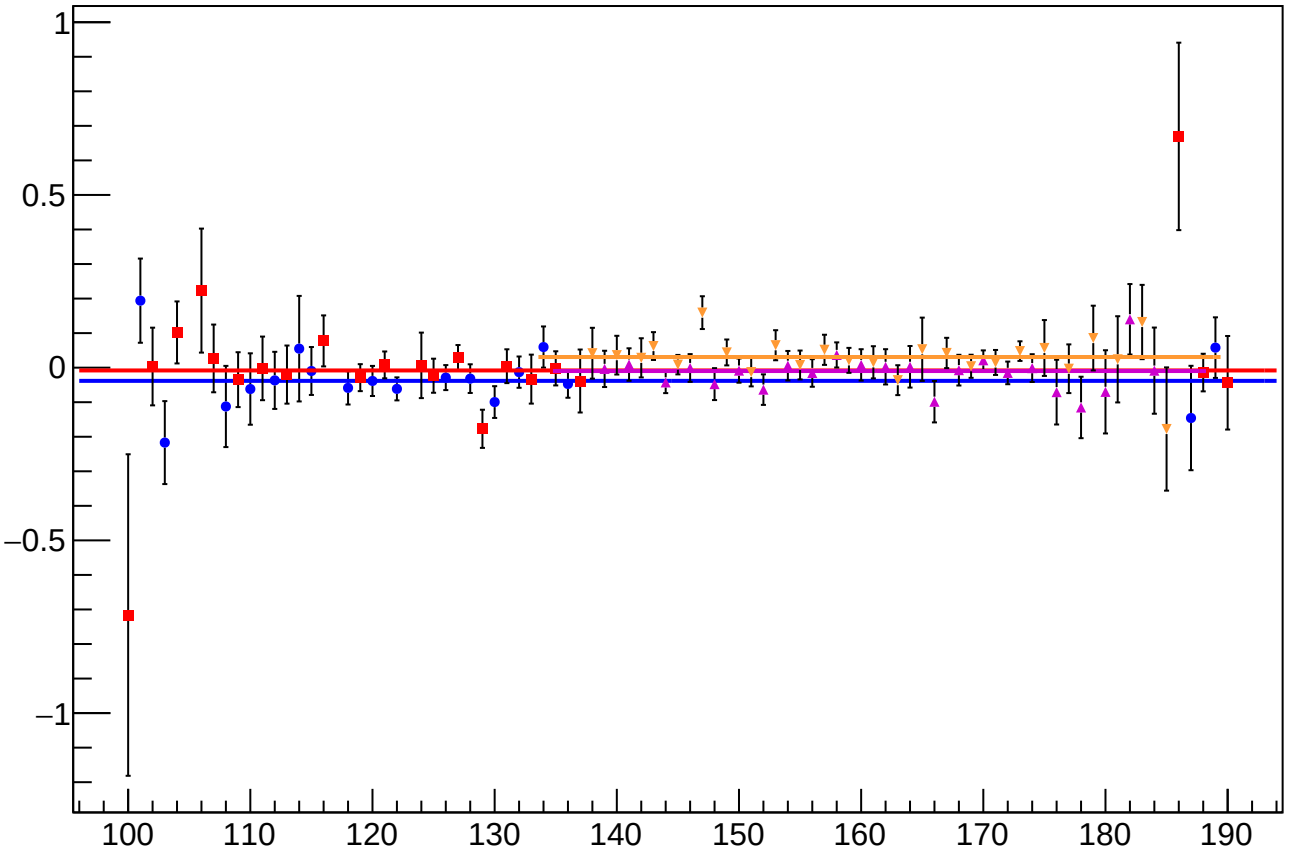
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 34.722+/-0.007 χ^2/NDF: 5294621.7/39

In: 35.598+/-0.005 χ^2/NDF:5752207.6/40

Out: 37.035+/-0.005 χ^2/NDF:6658806.1/46

All: 36.318+/-0.004 χ^2/NDF: 12446871.4/87



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.6/21

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

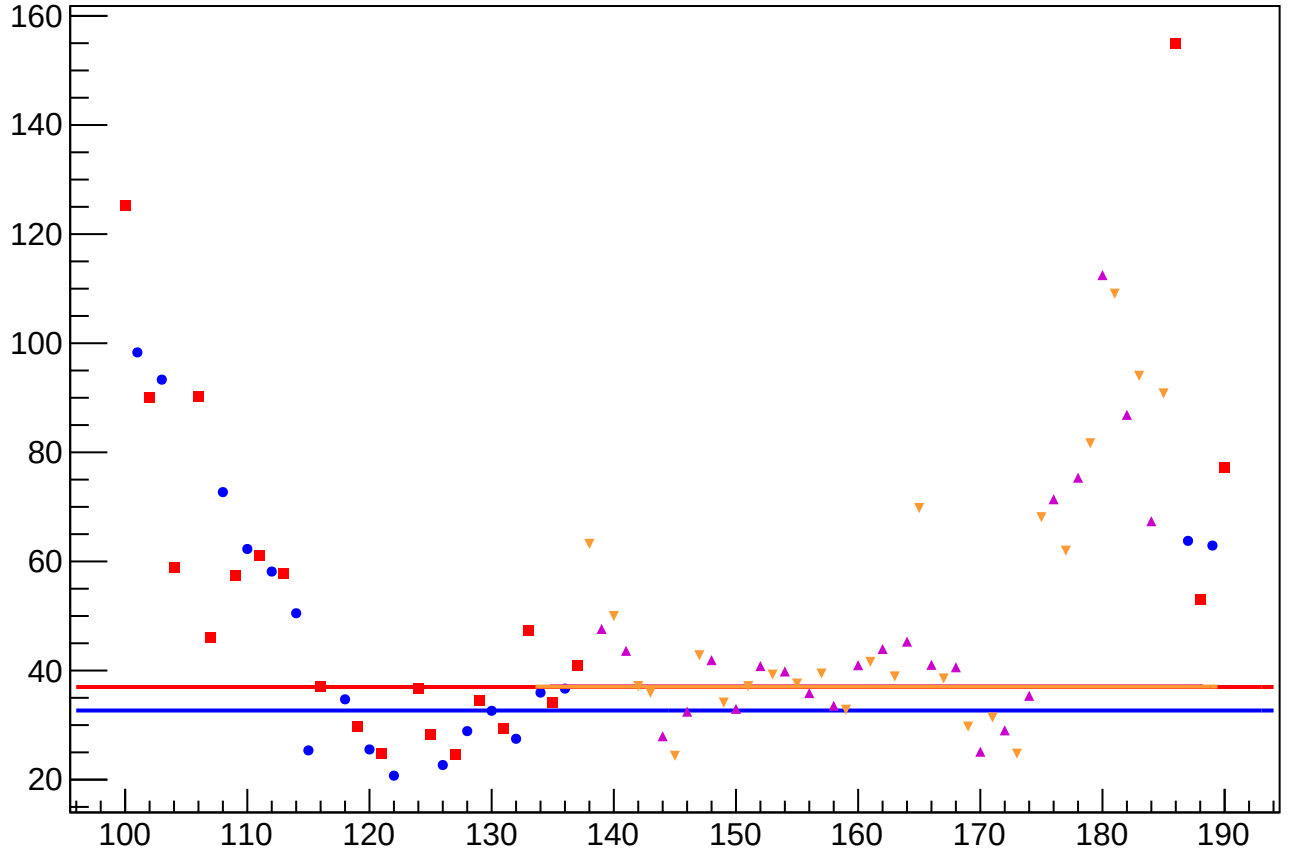
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.024+/-0.009 χ^2/NDF: 41.3/39

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:48.1/46

All: -0.000+/-0.005 χ^2/NDF: 91.4/87



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 36.985+/-0.010 χ^2/NDF: 2605046.9/21

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

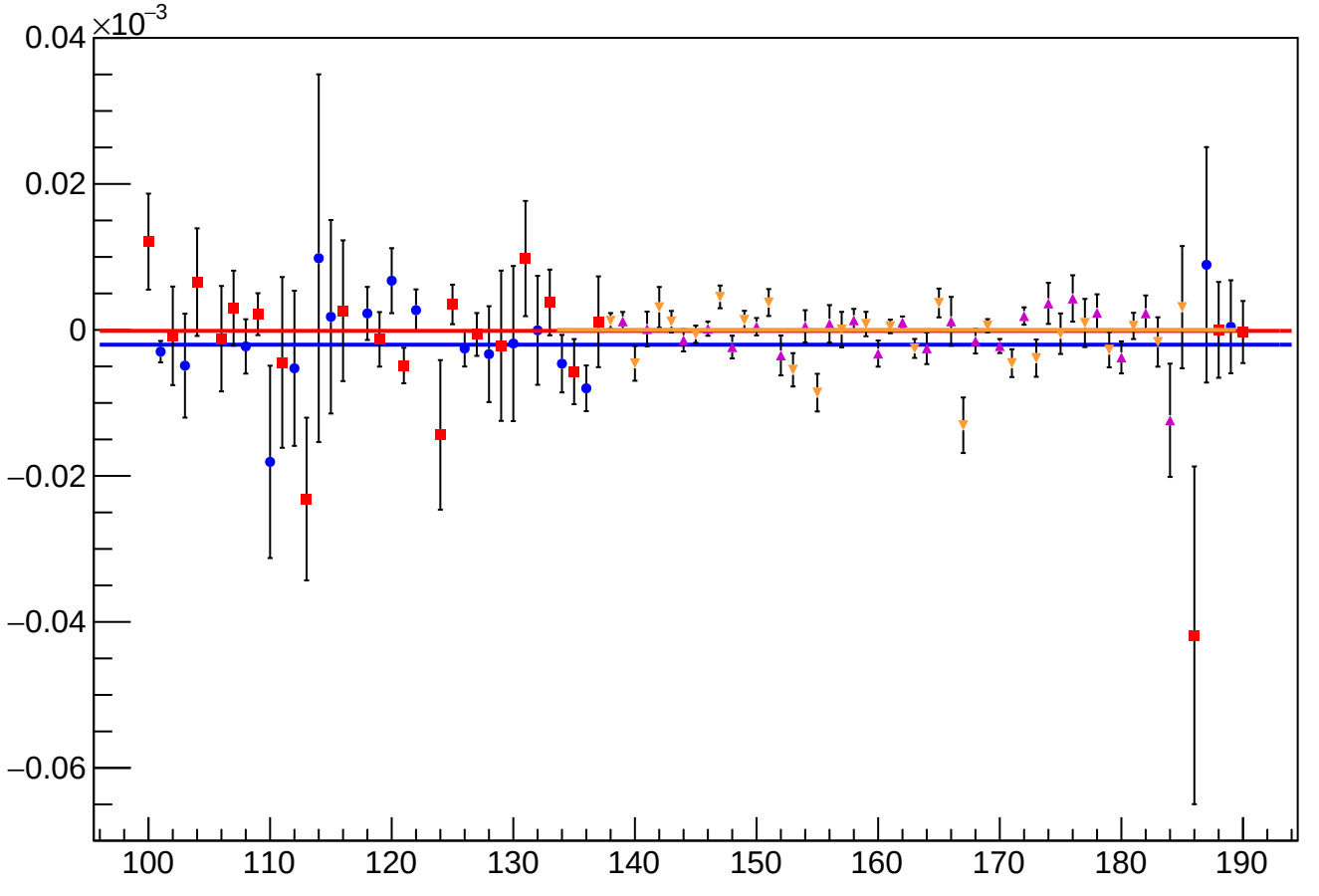
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 34.722+/-0.007 χ^2/NDF: 5294621.7/39

In: 35.598+/-0.005 χ^2/NDF:5752207.6/40

Out: 37.035+/-0.005 χ^2/NDF:6658806.1/46

All: 36.318+/-0.004 χ^2/NDF: 12446871.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/21

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

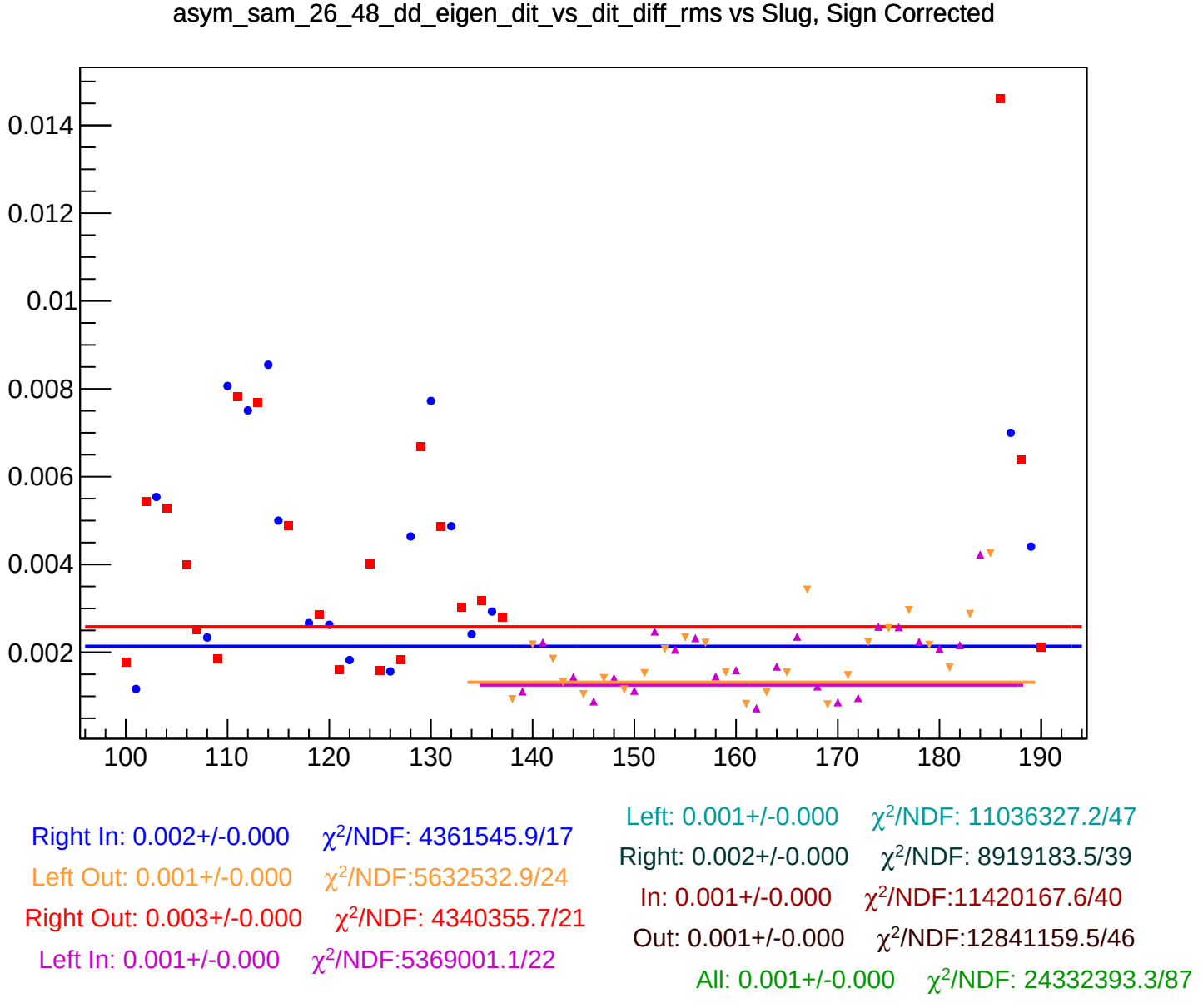
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

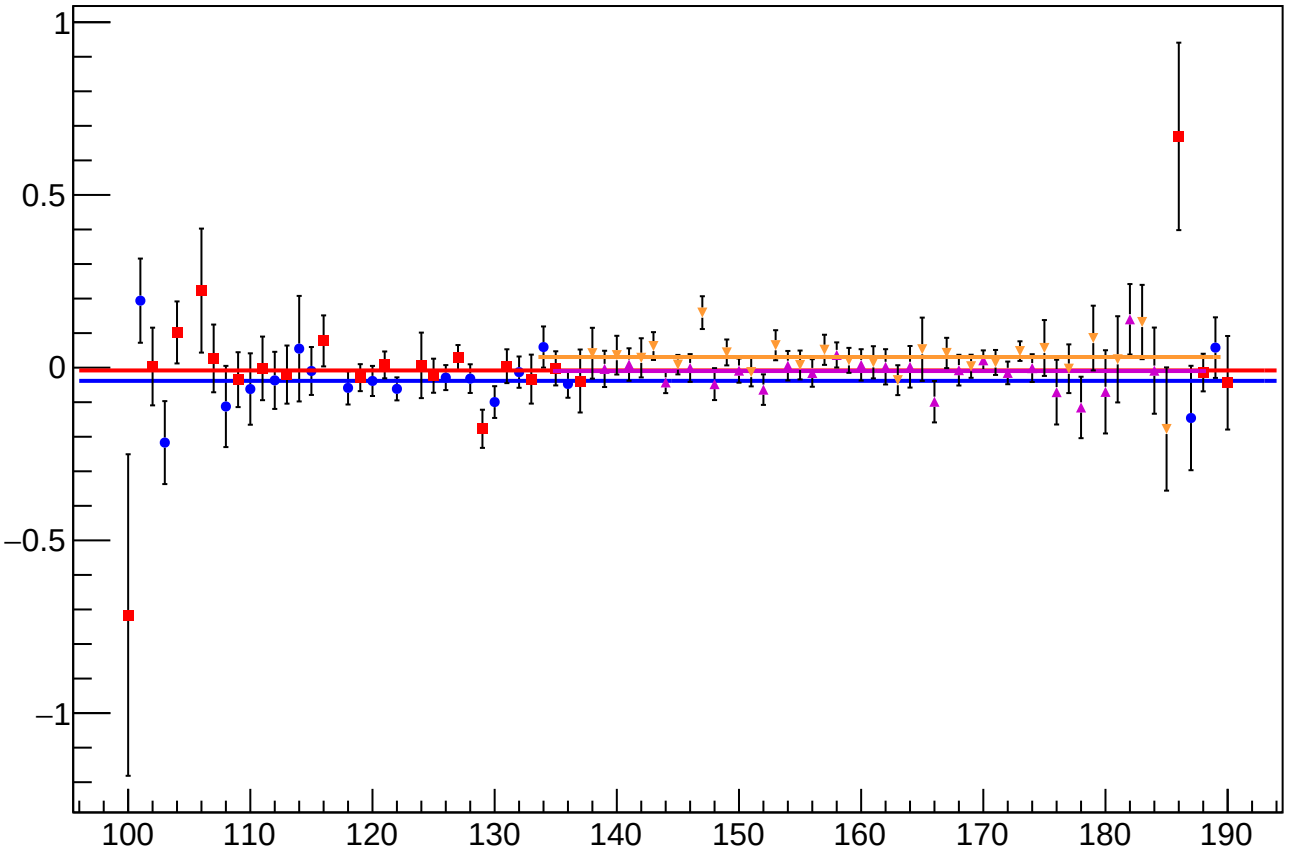
Right: -0.000+/-0.000 χ^2/NDF: 42.0/39

In: -0.000+/-0.000 χ^2/NDF:51.7/40

Out: 0.000+/-0.000 χ^2/NDF:92.3/46

All: -0.000+/-0.000 χ^2/NDF: 144.4/87


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4361545.9/17
Left Out: 0.001+/-0.000 χ²/NDF:5632532.9/24
Right Out: 0.003+/-0.000 χ²/NDF: 4340355.7/21
Left In: 0.001+/-0.000 χ²/NDF:5369001.1/22
Left: 0.001+/-0.000 χ²/NDF: 11036327.2/47
Right: 0.002+/-0.000 χ²/NDF: 8919183.5/39
In: 0.001+/-0.000 χ²/NDF:11420167.6/40
Out: 0.001+/-0.000 χ²/NDF:12841159.5/46
All: 0.001+/-0.000 χ²/NDF: 24332393.3/87



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.6/21

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

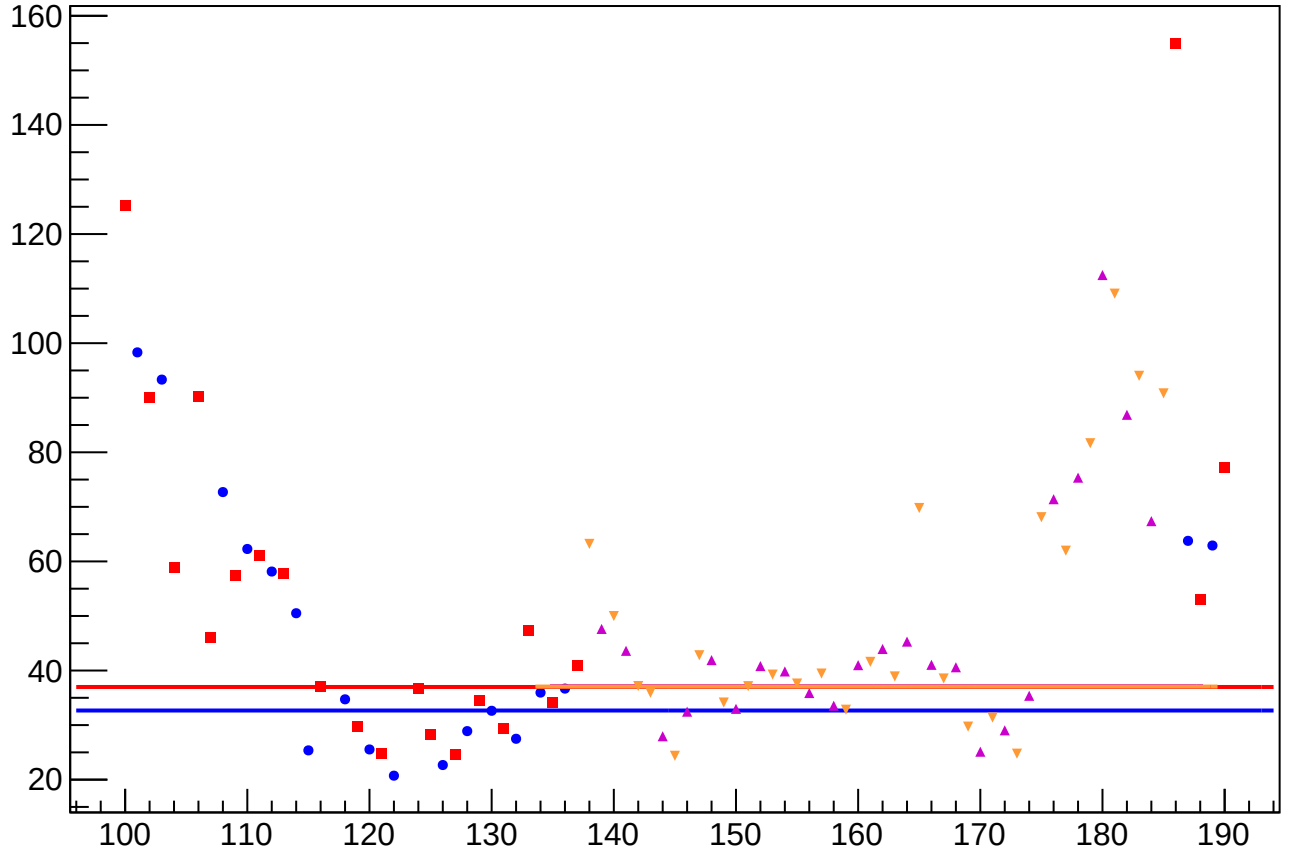
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.024+/-0.009 χ^2/NDF: 41.3/39

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:48.1/46

All: -0.000+/-0.005 χ^2/NDF: 91.4/87



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 36.985+/-0.010 χ^2/NDF: 2604885.3/21

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

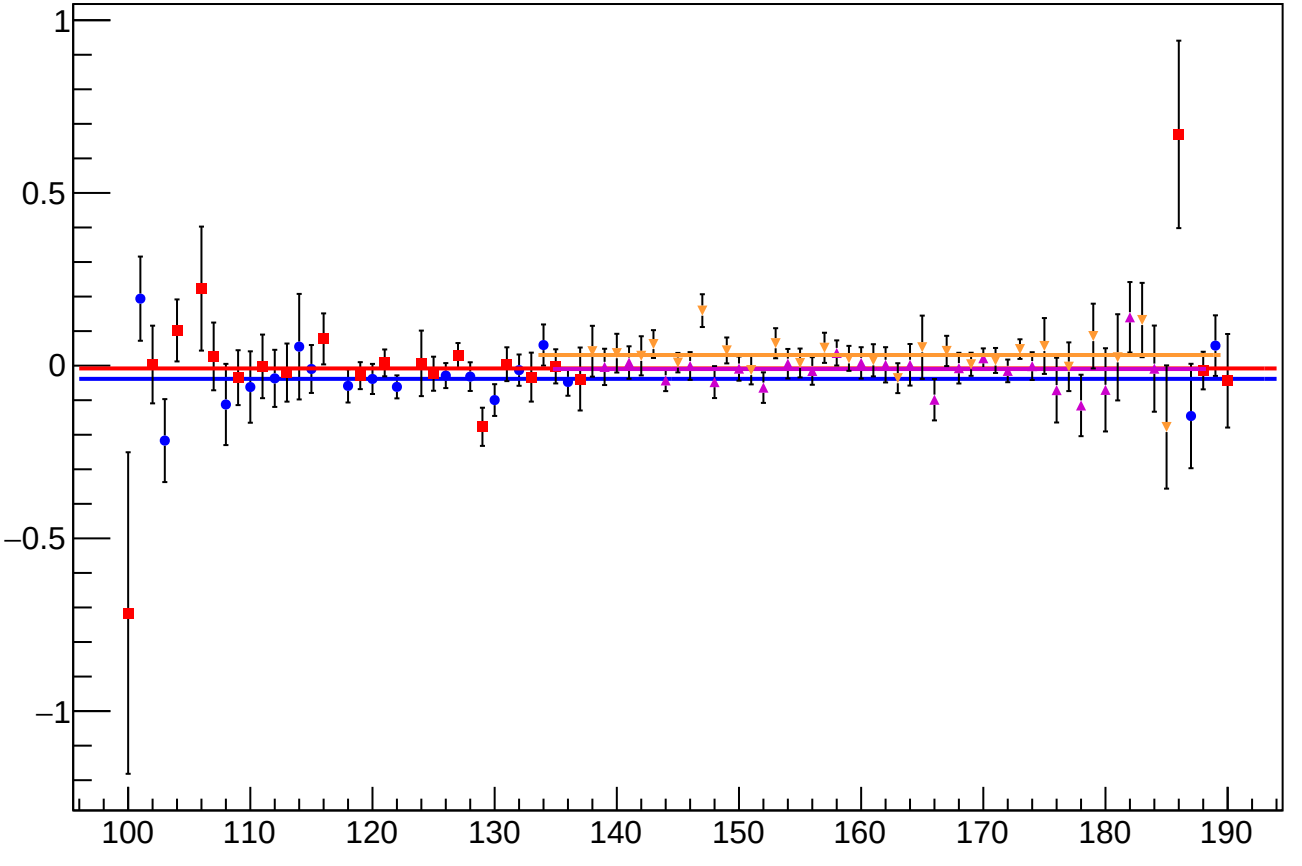
Right: 34.723+/-0.007 χ^2/NDF: 5294427.3/39

In: 35.598+/-0.005 χ^2/NDF:5752113.1/40

Out: 37.035+/-0.005 χ^2/NDF:6658653.0/46

All: 36.318+/-0.004 χ^2/NDF: 12446624.3/87

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.6/21

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

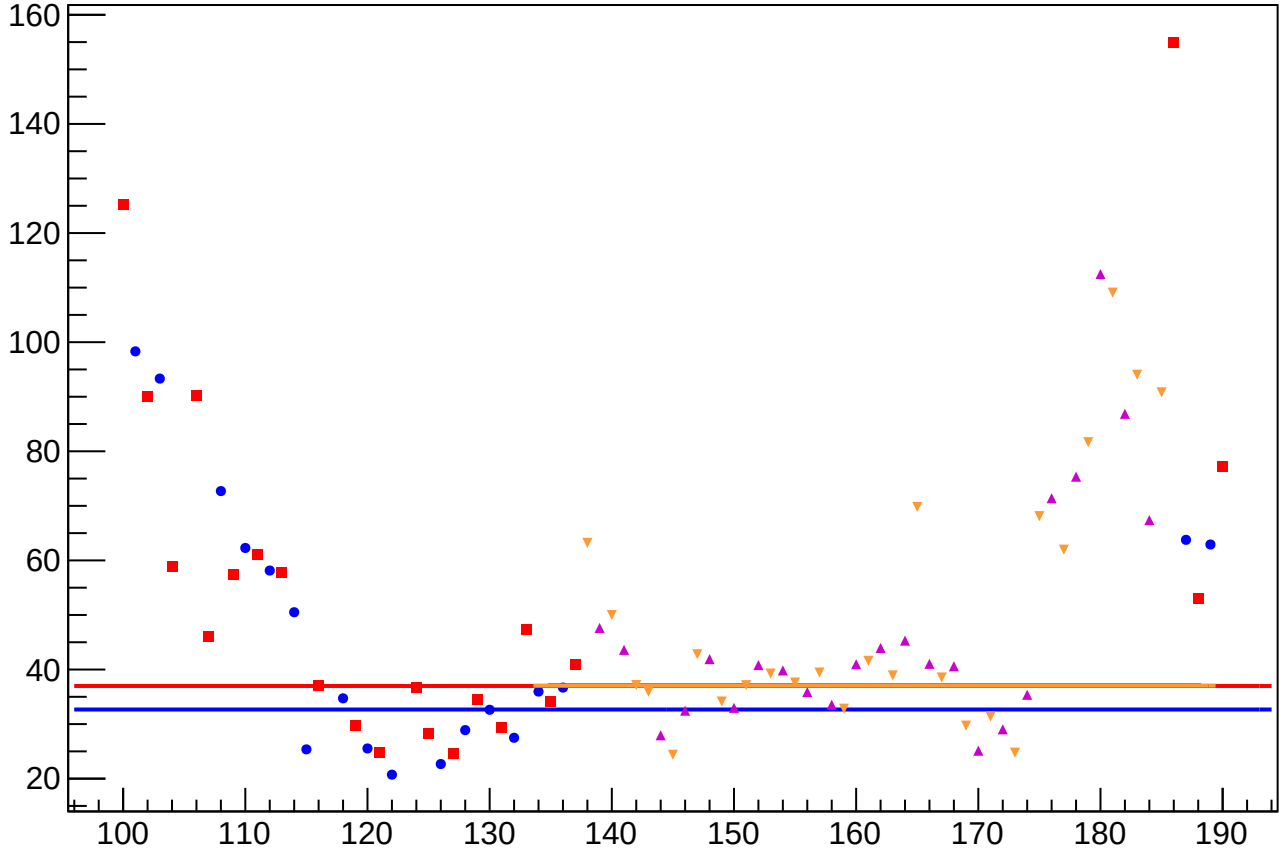
Right: -0.024+/-0.009 χ^2/NDF: 41.3/39

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:48.1/46

All: -0.000+/-0.005 χ^2/NDF: 91.4/87

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 36.985+/-0.010 χ^2/NDF: 2604885.3/21

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

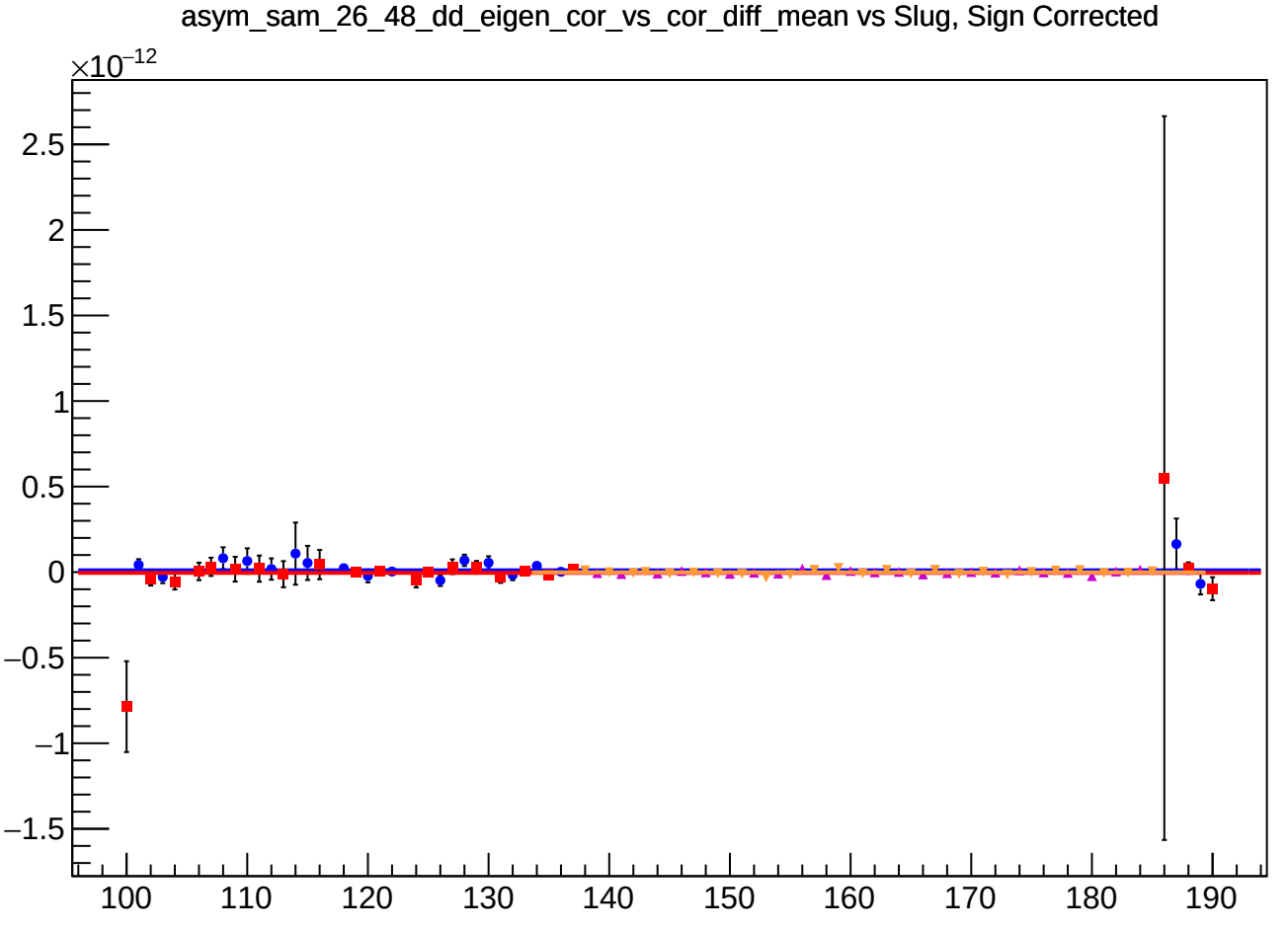
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 34.723+/-0.007 χ^2/NDF: 5294427.3/39

In: 35.598+/-0.005 χ^2/NDF:5752113.1/40

Out: 37.035+/-0.005 χ^2/NDF:6658653.0/46

All: 36.318+/-0.004 χ^2/NDF: 12446624.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/21

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

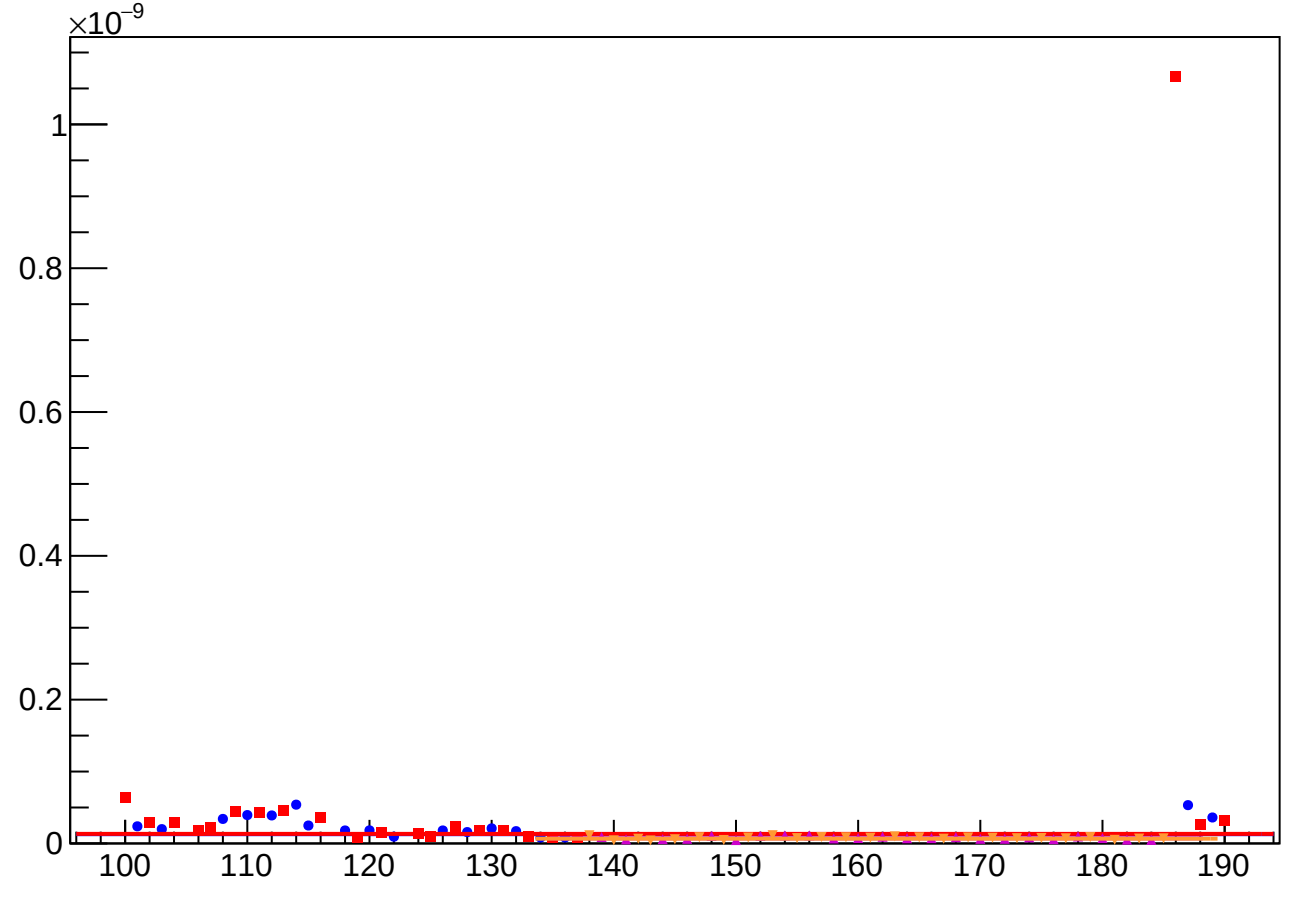
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 42.4/39

In: -0.000+/-0.000 χ^2/NDF:44.4/40

Out: -0.000+/-0.000 χ^2/NDF:46.3/46

All: -0.000+/-0.000 χ^2/NDF: 90.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 2598829.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3732447.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

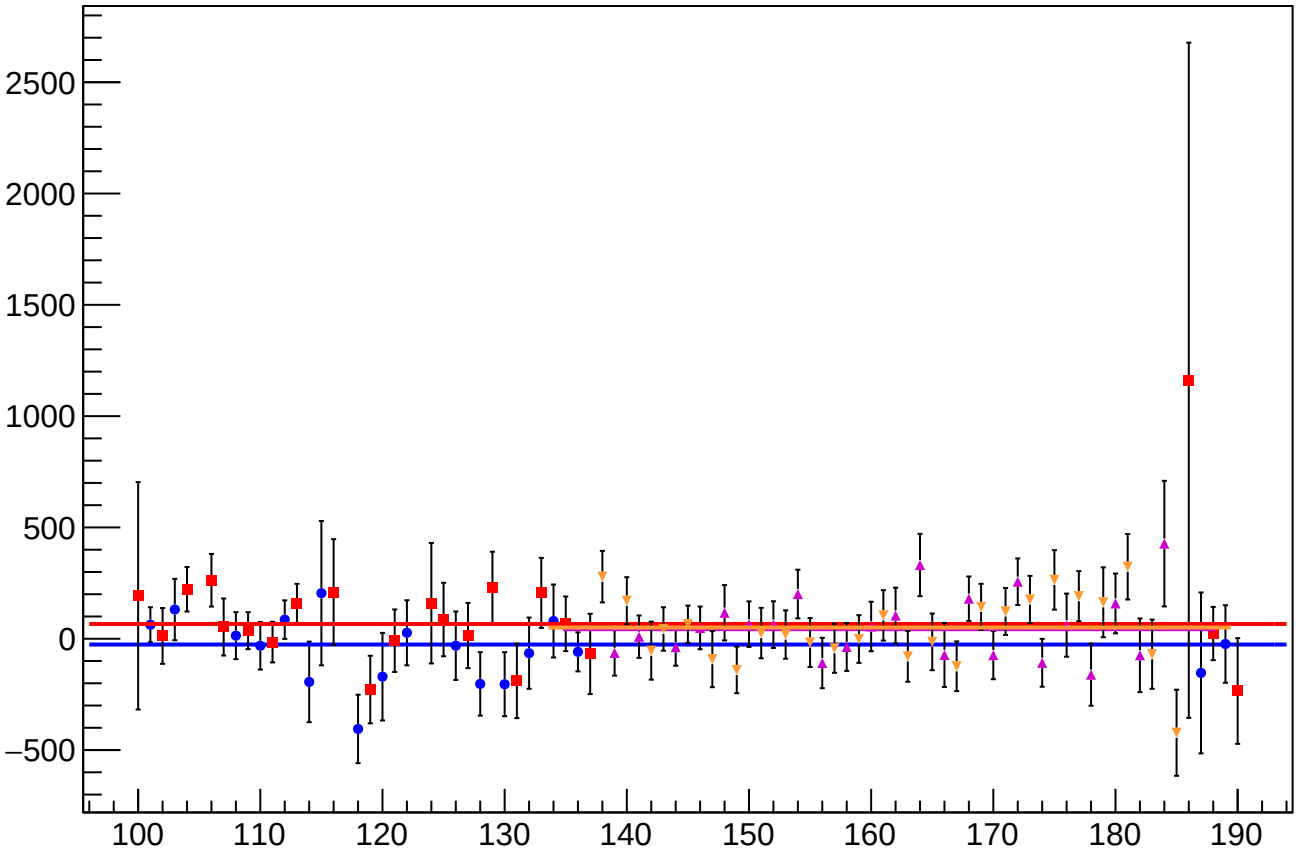
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6335409.6/39

In: 0.000+/-0.000 χ^2/NDF:5518824.1/40

Out: 0.000+/-0.000 χ^2/NDF:7605571.1/46

All: 0.000+/-0.000 χ^2/NDF: 13174317.6/87



Right In: -25.949+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 66.409+/-28.820 χ^2/NDF: 19.1/21

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

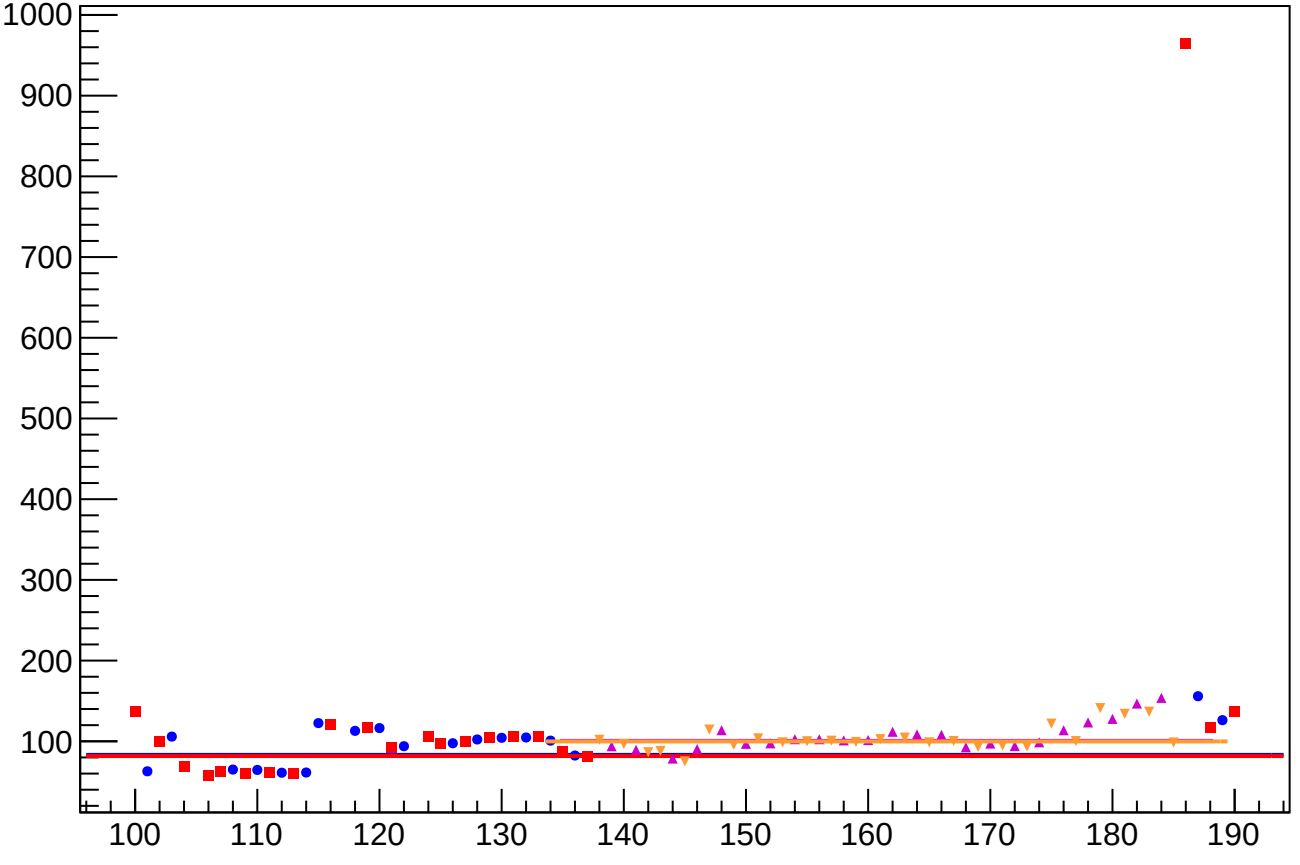
Right: 23.040+/-20.989 χ^2/NDF: 40.3/39

In: 17.116+/-18.773 χ^2/NDF:46.1/40

Out: 56.562+/-17.957 χ^2/NDF:52.7/46

All: 37.715+/-12.976 χ^2/NDF: 101.2/87

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 83.135+/-0.022 χ^2/NDF: 998341.3/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 81.715+/-0.020 χ^2/NDF: 1917866.3/21

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

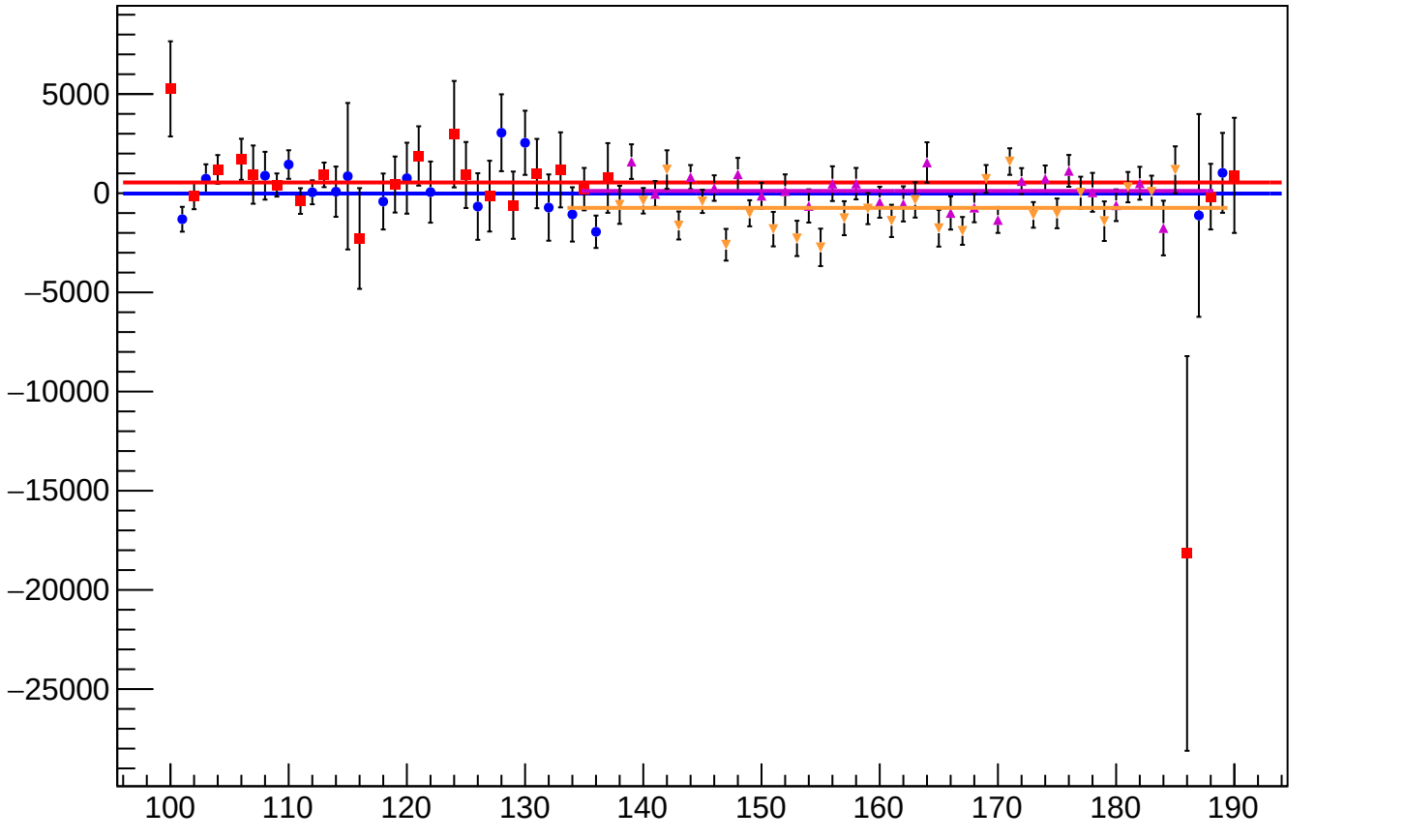
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 82.382+/-0.015 χ^2/NDF: 2918487.2/39

In: 93.976+/-0.013 χ^2/NDF:2056442.8/40

Out: 92.803+/-0.013 χ^2/NDF:3099517.1/46

All: 93.363+/-0.009 χ^2/NDF: 5160035.6/87



Right In: -16.201+/-254.616 χ^2/NDF: 22.2/17

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 541.764+/-235.213 χ^2/NDF: 17.0/21

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

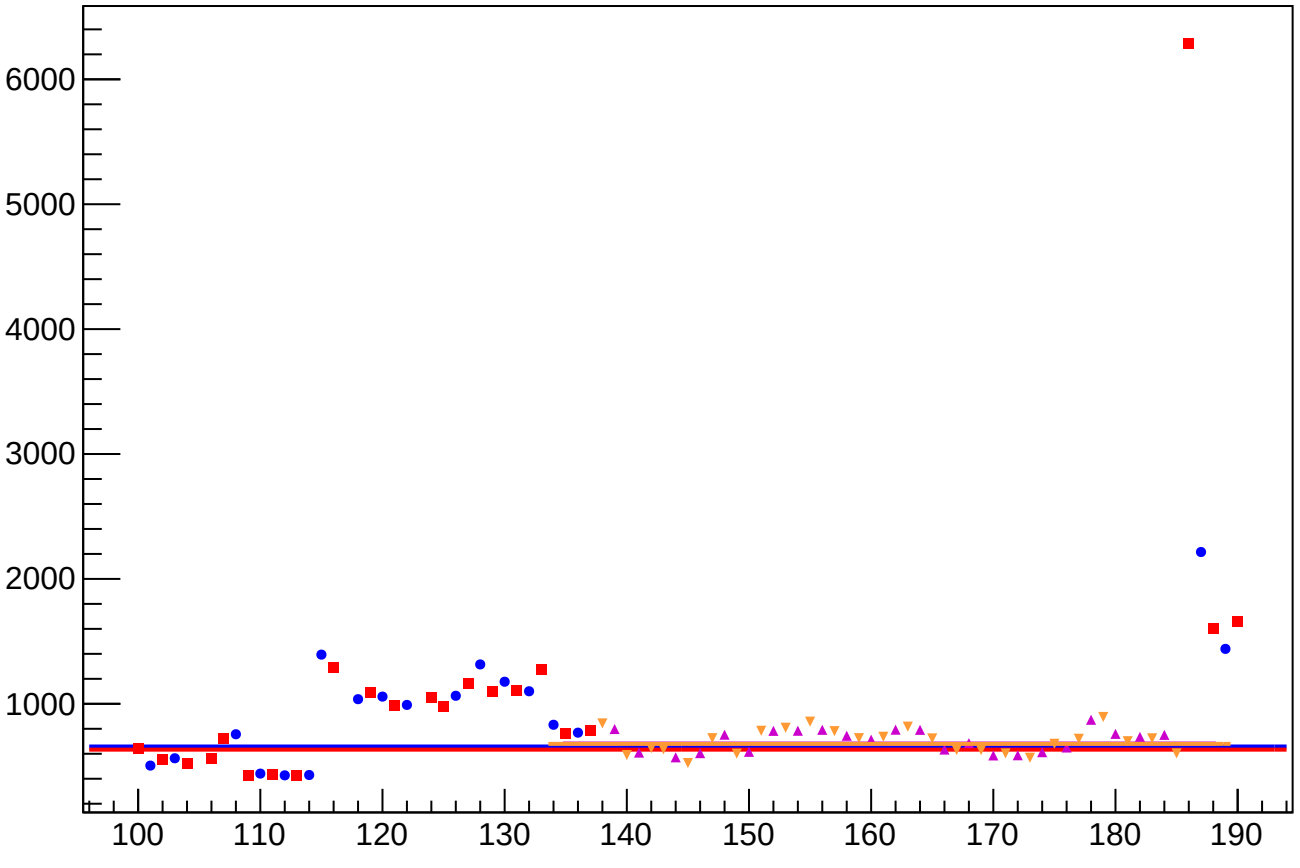
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 284.849+/-172.773 χ^2/NDF: 41.8/39

In: 77.985+/-136.072 χ^2/NDF:46.1/40

Out: -346.209+/-130.186 χ^2/NDF:87.3/46

All: -143.485+/-94.067 χ^2/NDF: 138.5/87



Right In: 658.160+/-0.180 χ^2/NDF: 2370171.2/17

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 632.942+/-0.166 χ^2/NDF: 3683794.1/21

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

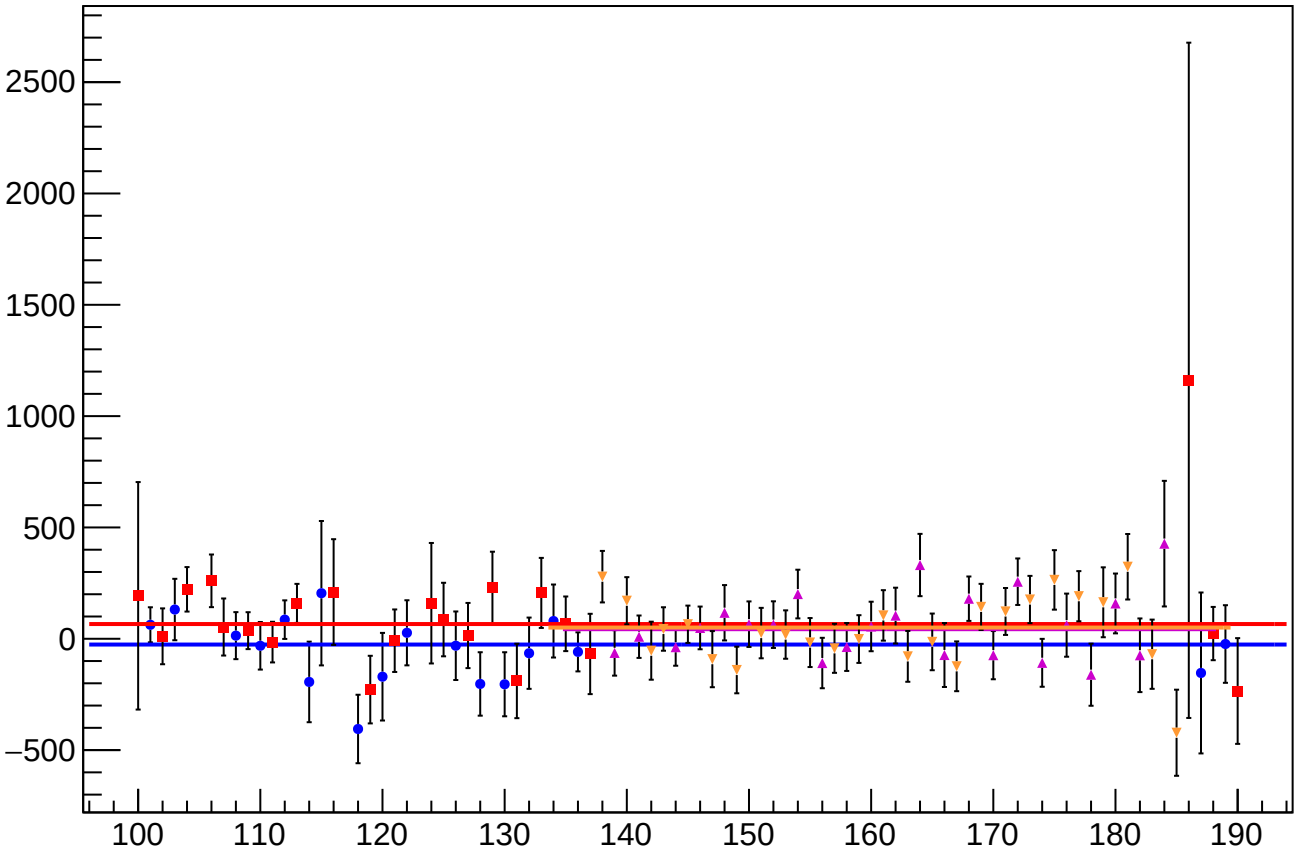
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 644.554+/-0.122 χ^2/NDF: 6064550.7/39

In: 675.115+/-0.096 χ^2/NDF:2956397.6/40

Out: 664.992+/-0.092 χ^2/NDF:4474746.8/46

All: 669.830+/-0.067 χ^2/NDF: 7436923.2/87



Right In: -25.951+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 66.162+/-28.821 χ^2/NDF: 19.0/21

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

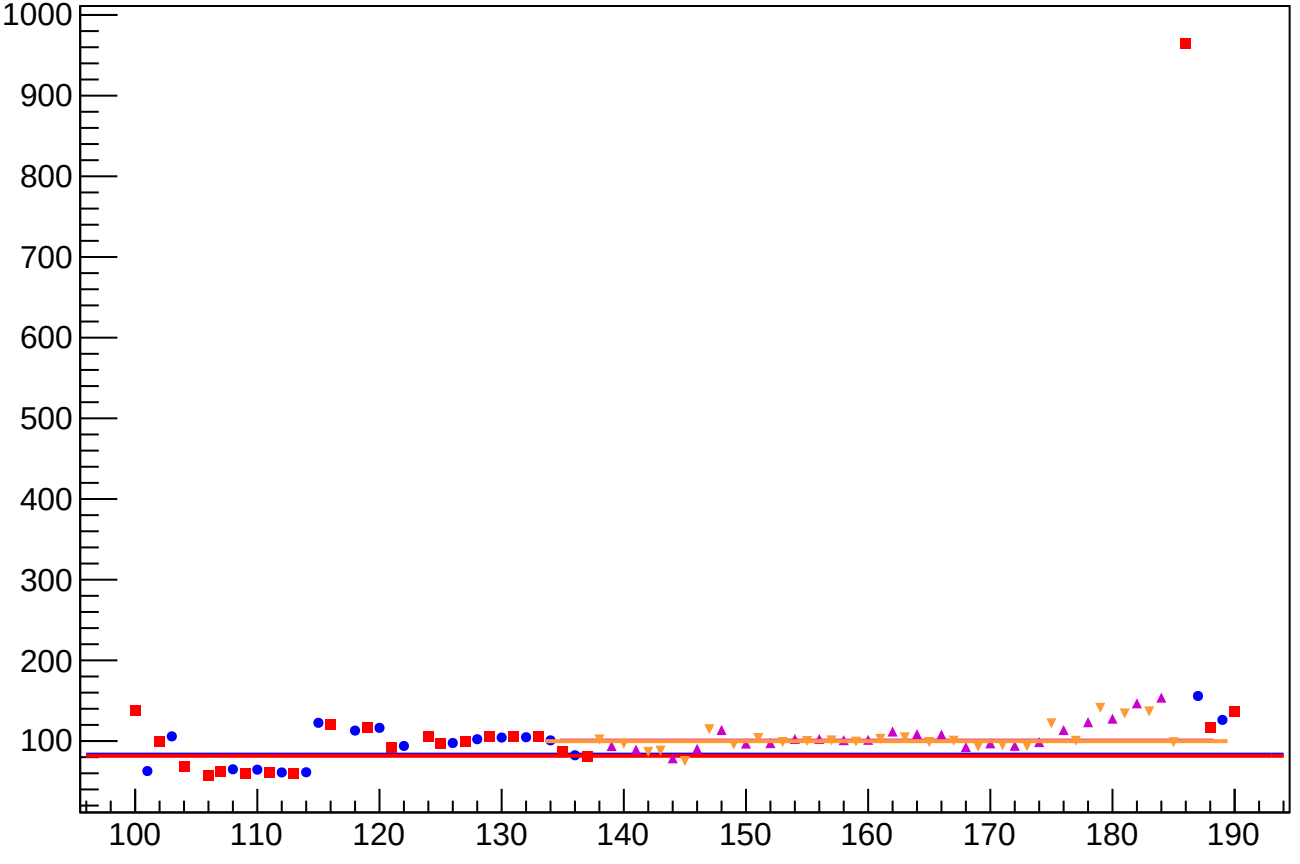
Right: 22.905+/-20.990 χ^2/NDF: 40.2/39

In: 17.115+/-18.773 χ^2/NDF:46.1/40

Out: 56.471+/-17.957 χ^2/NDF:52.7/46

All: 37.667+/-12.976 χ^2/NDF: 101.1/87

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 83.135+/-0.022 χ^2/NDF: 998343.6/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 81.698+/-0.020 χ^2/NDF: 1920285.9/21

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

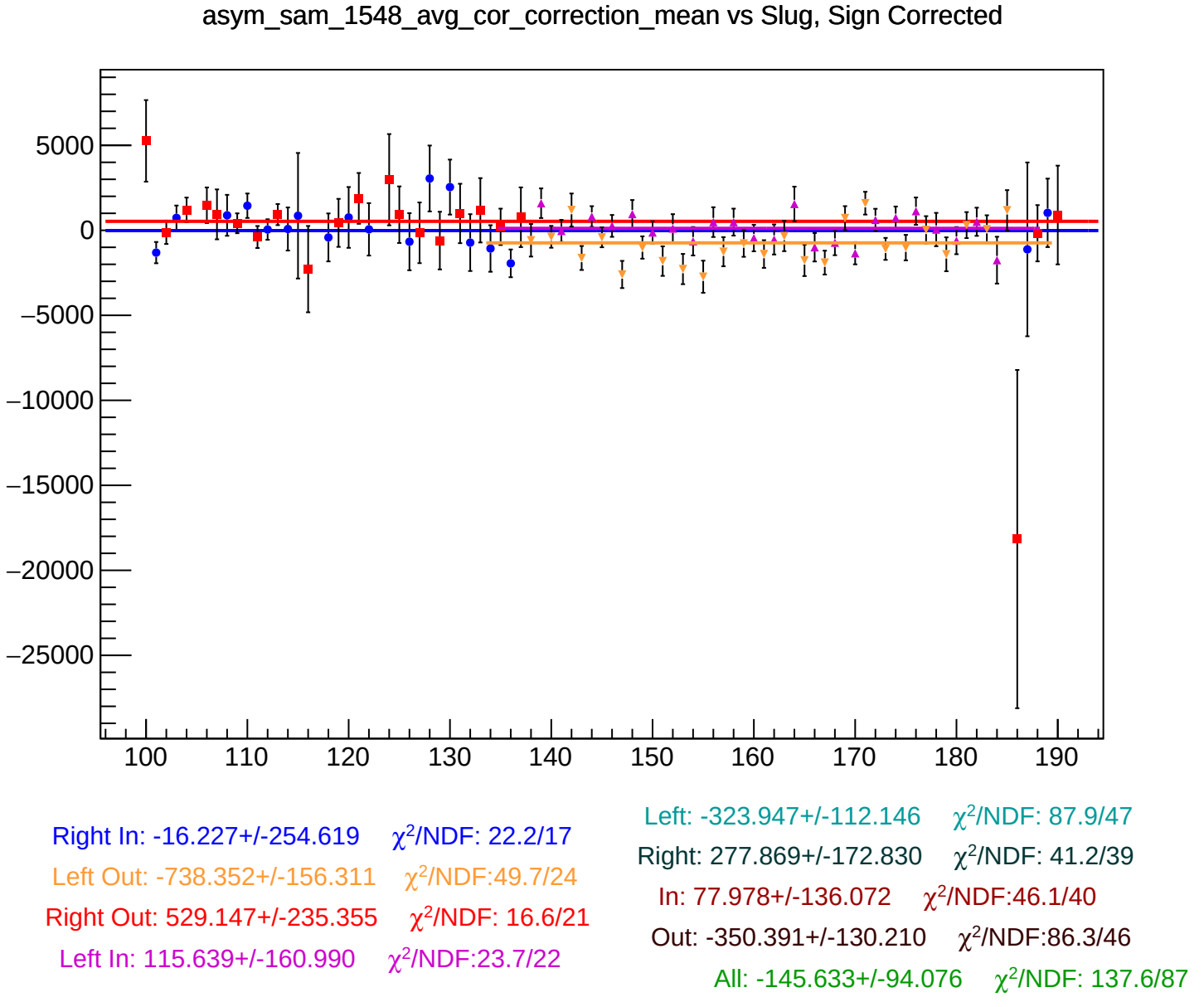
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 82.373+/-0.015 χ^2/NDF: 2920963.5/39

In: 93.976+/-0.013 χ^2/NDF:2056444.2/40

Out: 92.797+/-0.013 χ^2/NDF:3102805.4/46

All: 93.360+/-0.009 χ^2/NDF: 5163367.5/87


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
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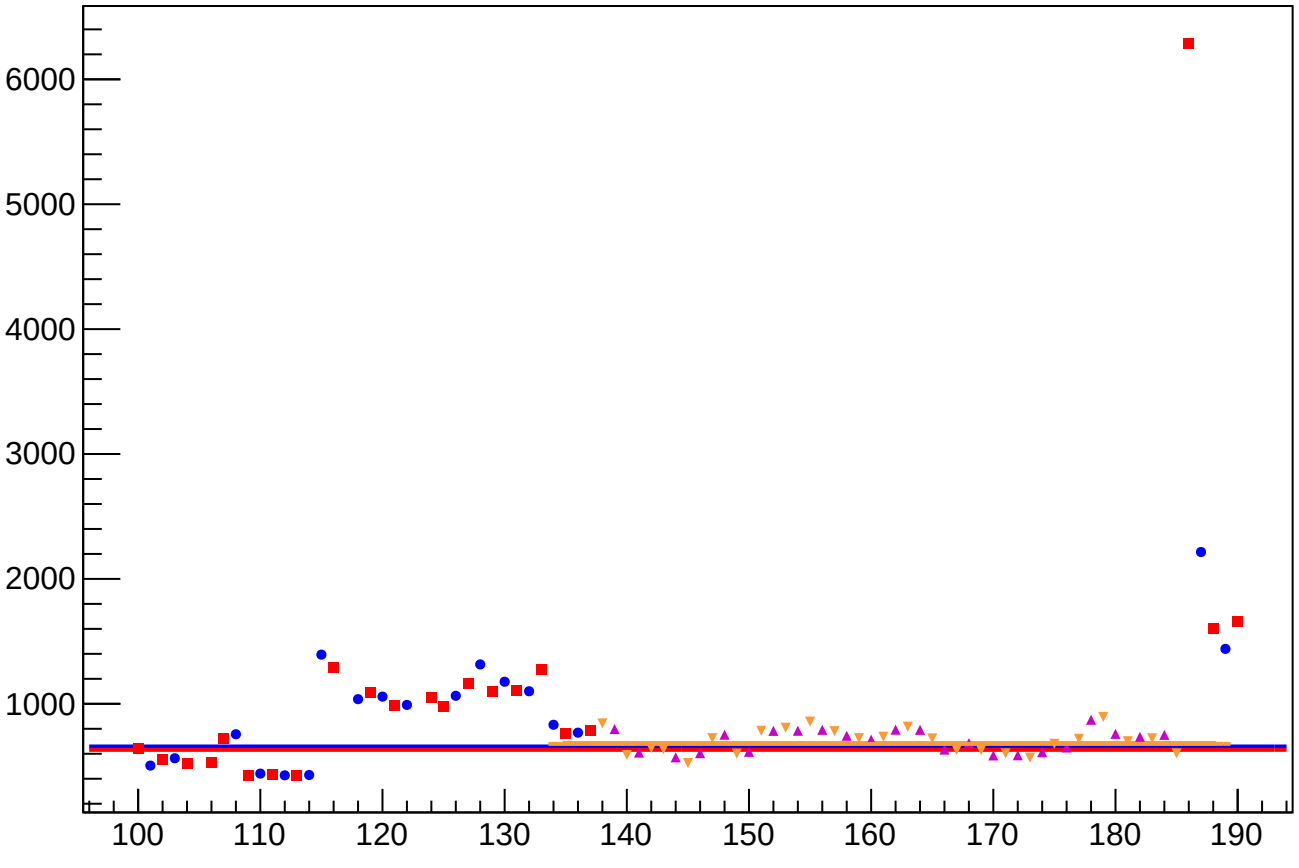
Right In: -16.227+/-254.619 χ²/NDF: 22.2/17
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 529.147+/-235.355 χ²/NDF: 16.6/21
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 277.869+/-172.830 χ²/NDF: 41.2/39
In: 77.978+/-136.072 χ²/NDF:46.1/40
Out: -350.391+/-130.210 χ²/NDF:86.3/46
All: -145.633+/-94.076 χ²/NDF: 137.6/87



Right In: 658.169+/-0.180 χ^2/NDF: 2370121.4/17

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 631.346+/-0.166 χ^2/NDF: 3694255.8/21

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

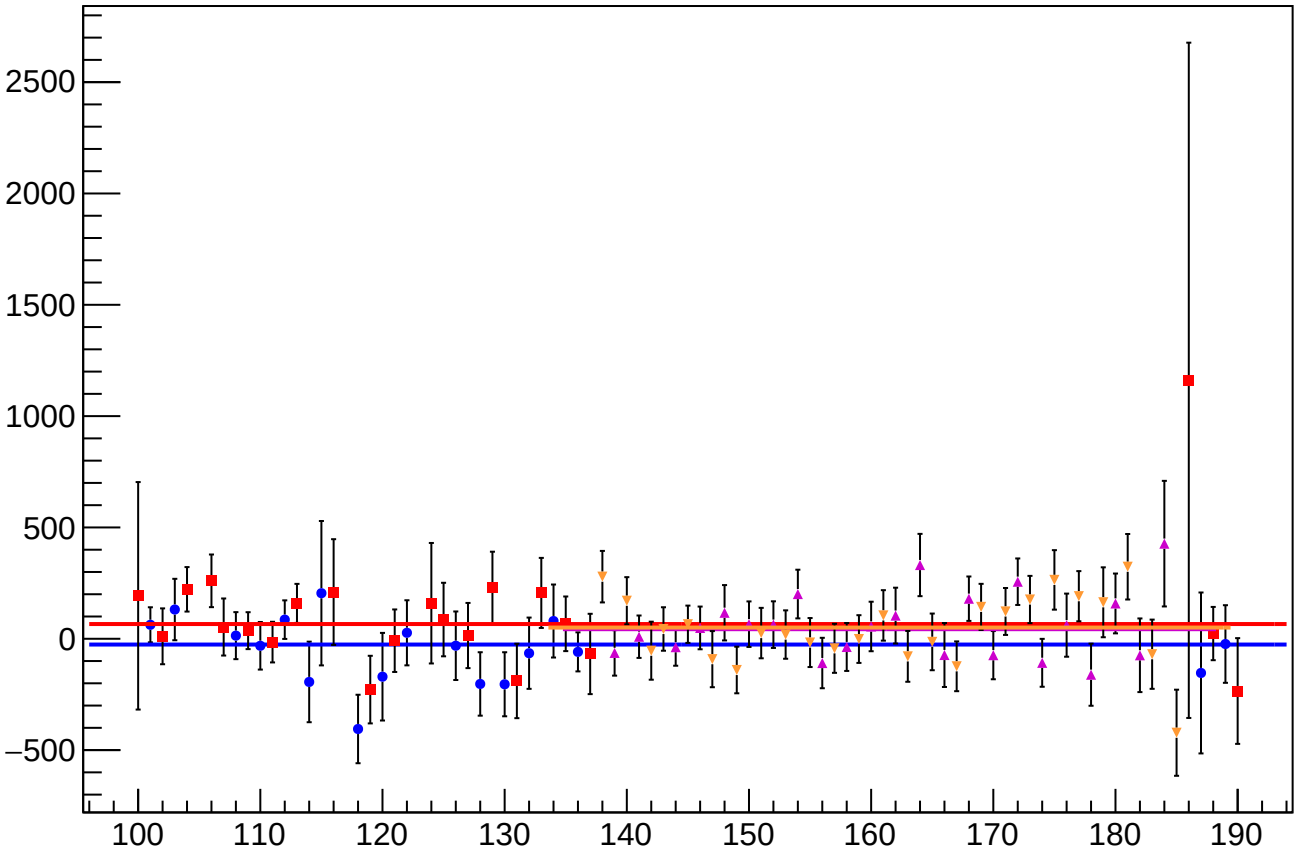
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 643.705+/-0.122 χ^2/NDF: 6076346.1/39

In: 675.118+/-0.096 χ^2/NDF:2956339.3/40

Out: 664.515+/-0.092 χ^2/NDF:4488921.1/46

All: 669.583+/-0.067 χ^2/NDF: 7451598.4/87



Right In: -25.951+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 66.162+/-28.821 χ^2/NDF: 19.0/21

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

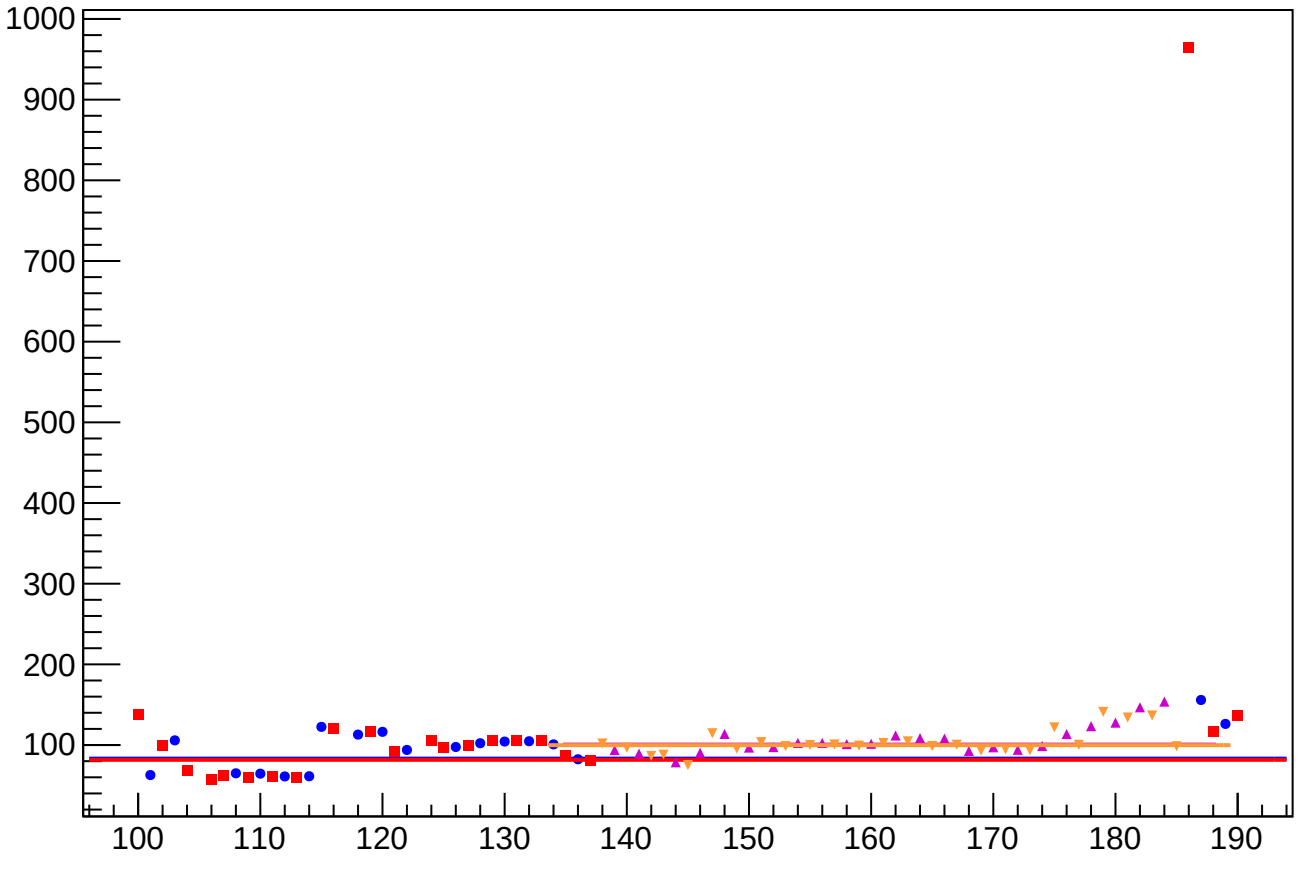
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 22.905+/-20.990 χ^2/NDF: 40.2/39

In: 17.115+/-18.773 χ^2/NDF:46.1/40

Out: 56.471+/-17.957 χ^2/NDF:52.7/46

All: 37.667+/-12.976 χ^2/NDF: 101.1/87



Right In: 83.135+/-0.022 χ^2/NDF: 998343.6/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 81.698+/-0.020 χ^2/NDF: 1920285.9/21

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

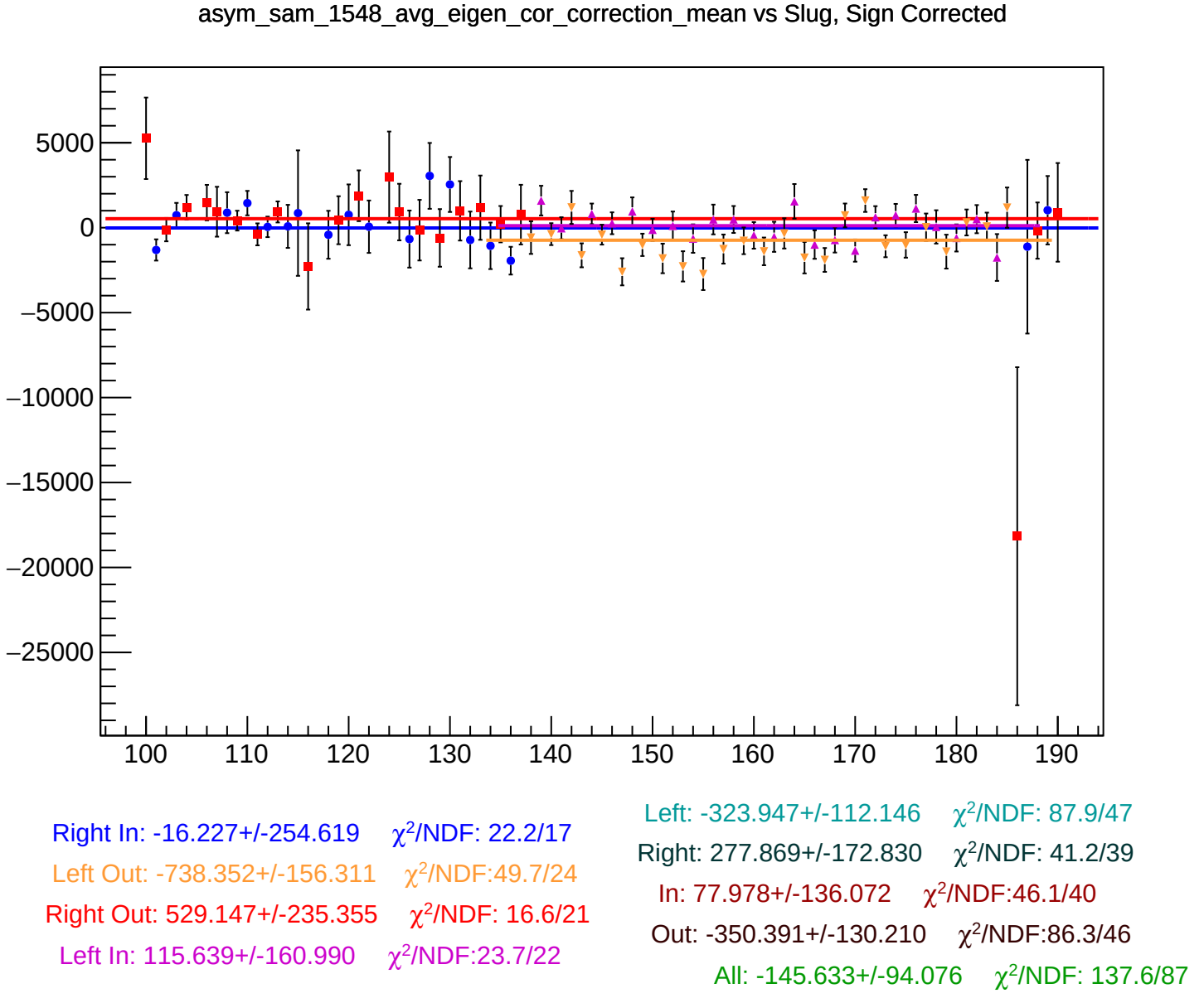
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 82.373+/-0.015 χ^2/NDF: 2920963.5/39

In: 93.976+/-0.013 χ^2/NDF:2056444.2/40

Out: 92.797+/-0.013 χ^2/NDF:3102805.4/46

All: 93.360+/-0.009 χ^2/NDF: 5163367.5/87


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
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−25000
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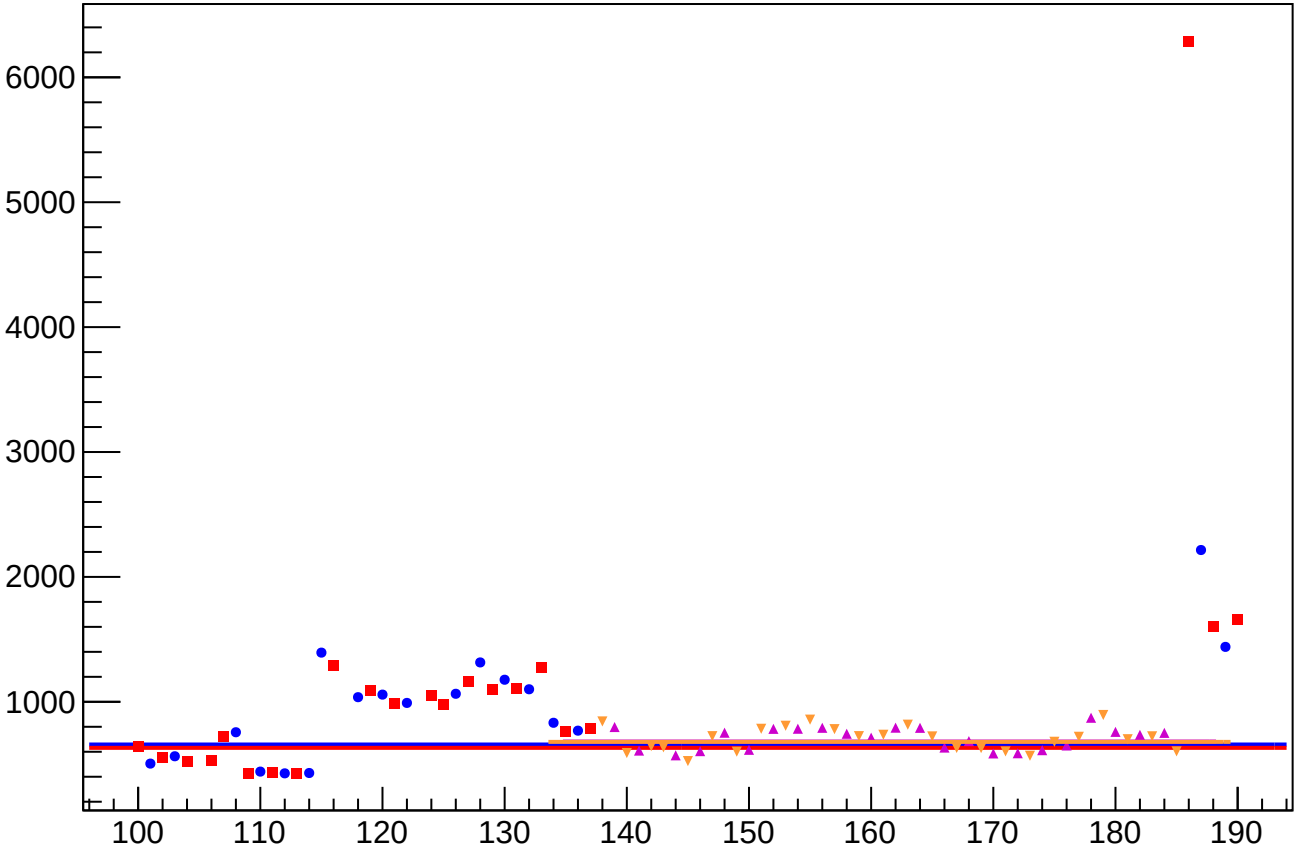
Right In: -16.227+/-254.619 χ²/NDF: 22.2/17
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 529.147+/-235.355 χ²/NDF: 16.6/21
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 277.869+/-172.830 χ²/NDF: 41.2/39
In: 77.978+/-136.072 χ²/NDF:46.1/40
Out: -350.391+/-130.210 χ²/NDF:86.3/46
All: -145.633+/-94.076 χ²/NDF: 137.6/87

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 658.169+/-0.180 χ^2/NDF: 2370121.4/17

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 631.346+/-0.166 χ^2/NDF: 3694255.8/21

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

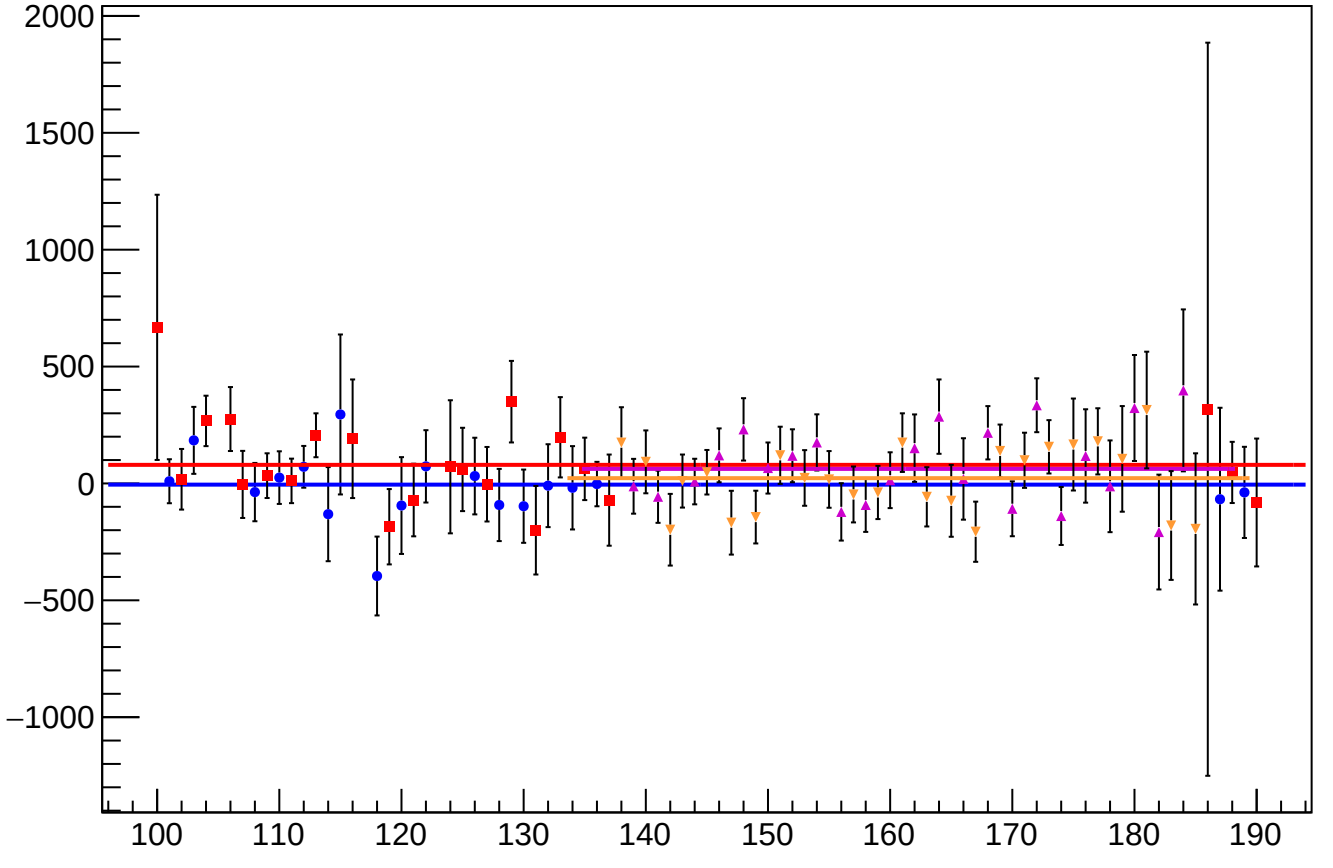
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 643.705+/-0.122 χ^2/NDF: 6076346.1/39

In: 675.118+/-0.096 χ^2/NDF:2956339.3/40

Out: 664.515+/-0.092 χ^2/NDF:4488921.1/46

All: 669.583+/-0.067 χ^2/NDF: 7451598.4/87



Right In: -5.129+/-33.517 χ^2/NDF: 10.4/17

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 79.474+/-31.447 χ^2/NDF: 19.5/21

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

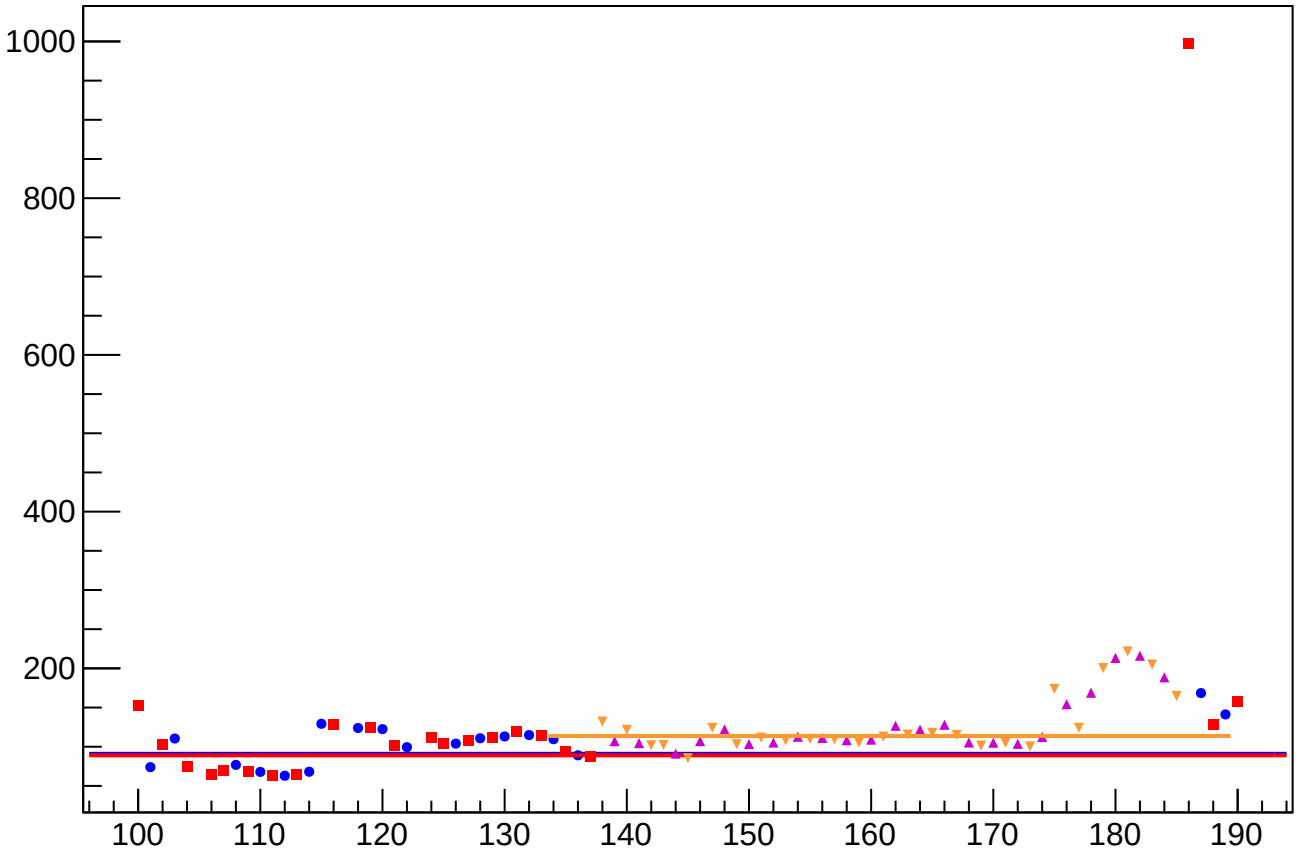
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 39.865+/-22.933 χ^2/NDF: 33.3/39

In: 35.282+/-21.185 χ^2/NDF:40.1/40

Out: 46.332+/-20.328 χ^2/NDF:43.0/46

All: 41.035+/-14.668 χ^2/NDF: 83.3/87



Right In: 90.945+/-0.024 χ^2/NDF: 943703.2/17

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 89.003+/-0.022 χ^2/NDF: 1882122.1/21

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

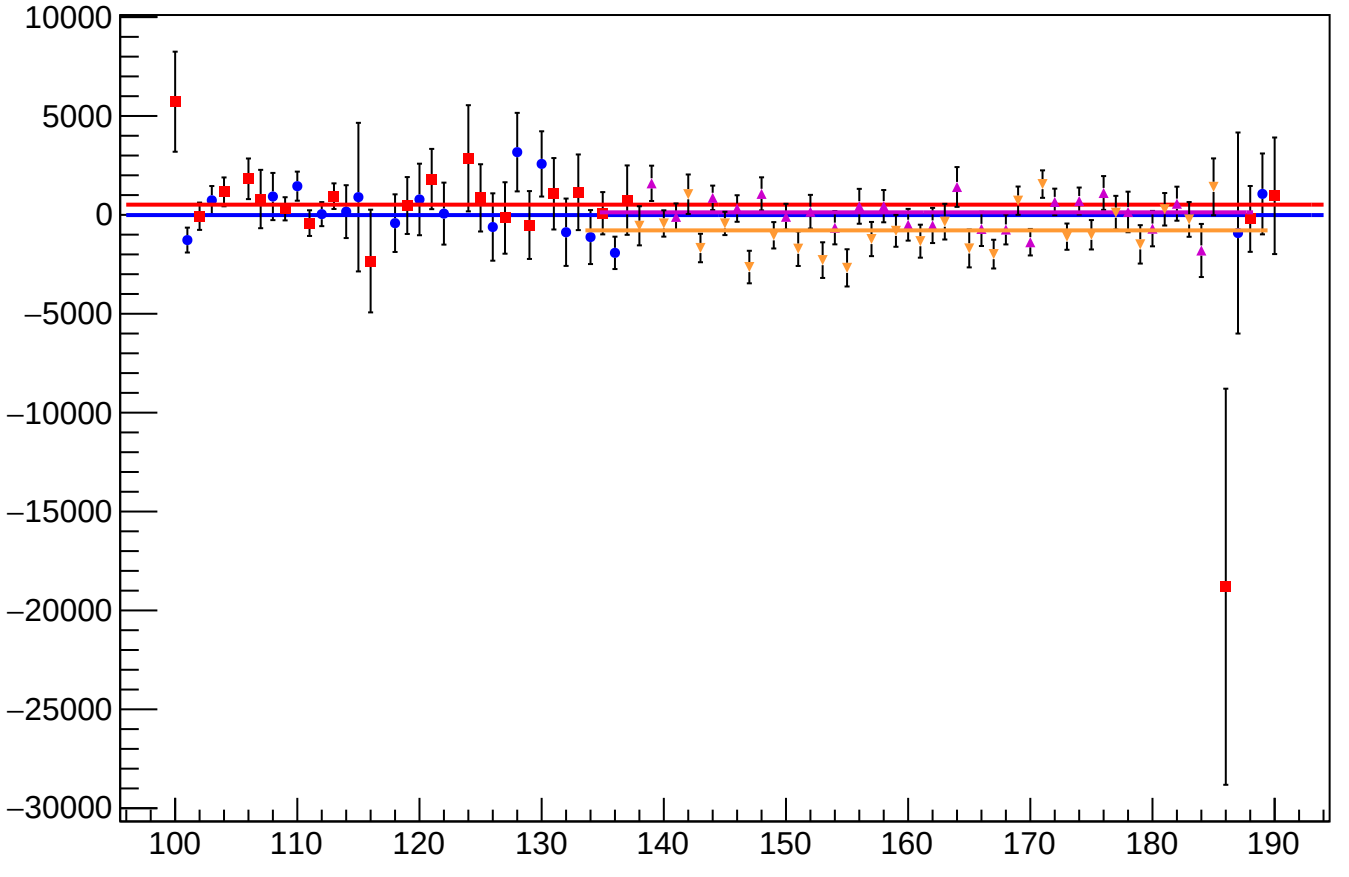
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 89.912+/-0.016 χ^2/NDF: 2829397.7/39

In: 104.595+/-0.015 χ^2/NDF:2812158.4/40

Out: 103.418+/-0.014 χ^2/NDF:4183993.5/46

All: 103.982+/-0.010 χ^2/NDF: 6999364.5/87



Right In: -10.922+/-257.010 χ^2/NDF: 21.9/17

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 516.284+/-237.898 χ^2/NDF: 17.6/21

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

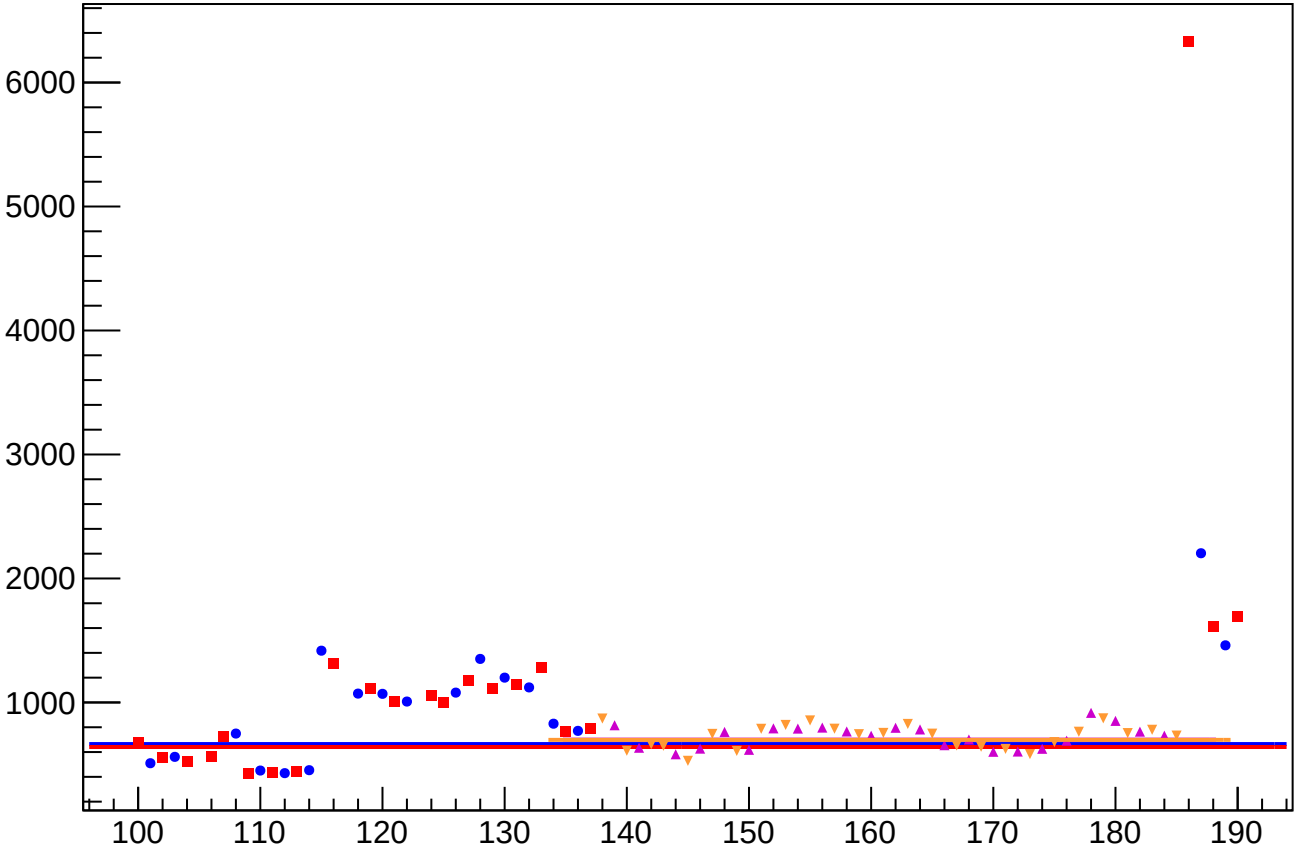
Right: 273.010+/-174.585 χ^2/NDF: 41.7/39

In: 87.474+/-139.001 χ^2/NDF:44.8/40

Out: -377.542+/-133.041 χ^2/NDF:83.5/46

All: -155.216+/-96.112 χ^2/NDF: 134.2/87

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.461+/-0.182 χ^2/NDF: 2382808.9/17

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 640.796+/-0.168 χ^2/NDF: 3687267.9/21

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

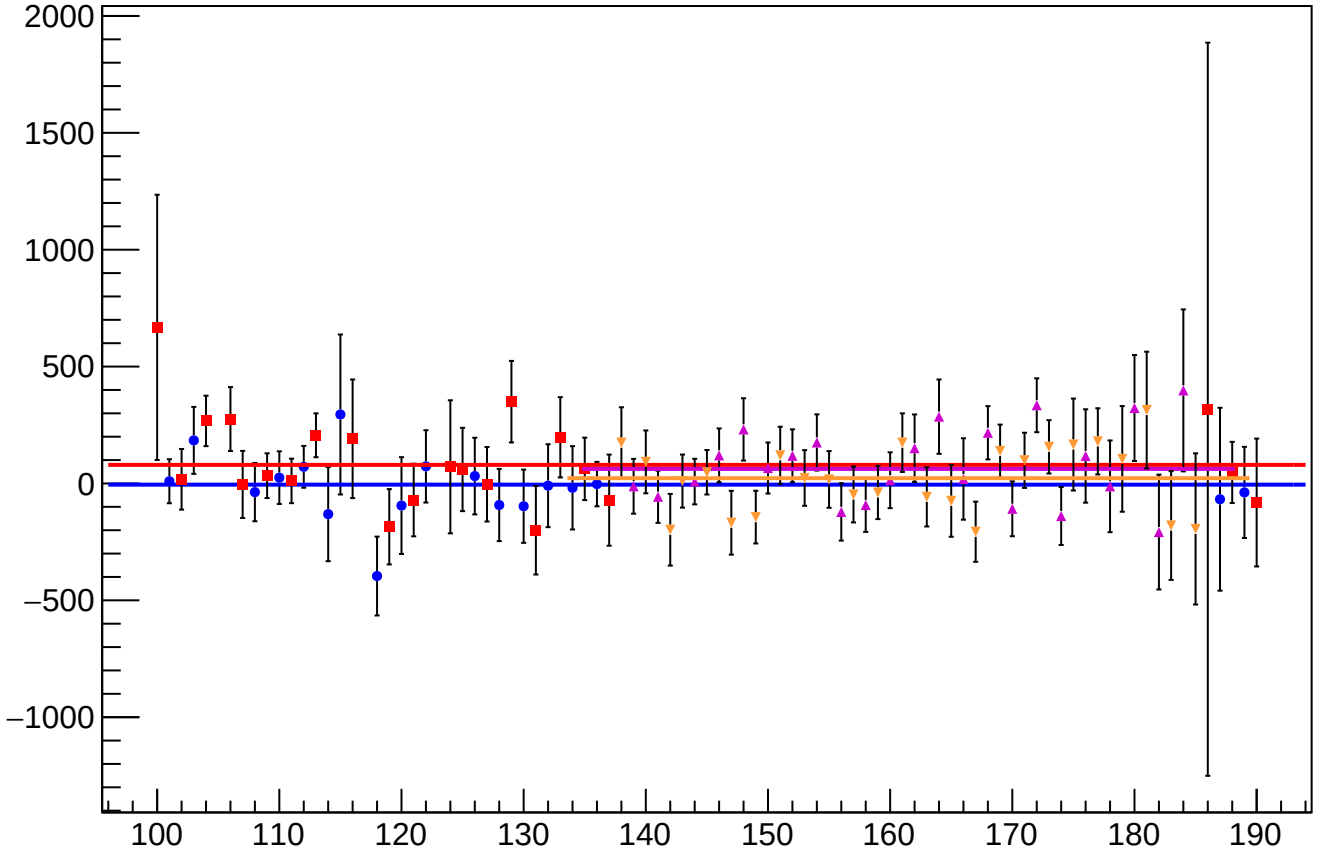
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 651.716+/-0.123 χ^2/NDF: 6079208.9/39

In: 689.661+/-0.098 χ^2/NDF:2994304.8/40

Out: 680.273+/-0.094 χ^2/NDF:4482088.5/46

All: 684.761+/-0.068 χ^2/NDF: 7481154.5/87



Right In: -5.128+/-33.517 χ^2/NDF: 10.4/17

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 79.474+/-31.447 χ^2/NDF: 19.5/21

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

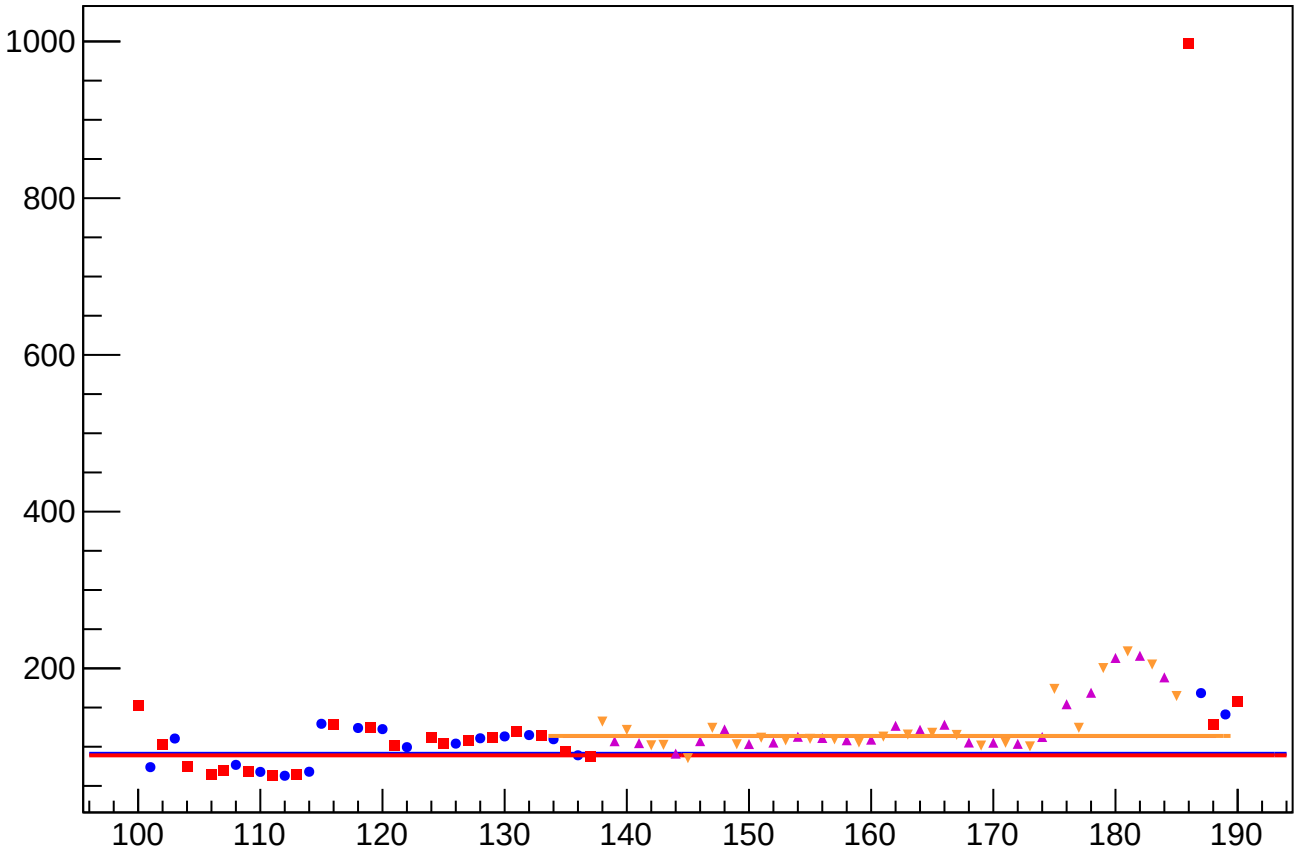
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 39.866+/-22.933 χ^2/NDF: 33.3/39

In: 35.283+/-21.185 χ^2/NDF:40.1/40

Out: 46.333+/-20.328 χ^2/NDF:43.0/46

All: 41.036+/-14.668 χ^2/NDF: 83.3/87



Right In: 90.945+/-0.024 χ^2/NDF: 943702.3/17

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 89.003+/-0.022 χ^2/NDF: 1882124.4/21

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

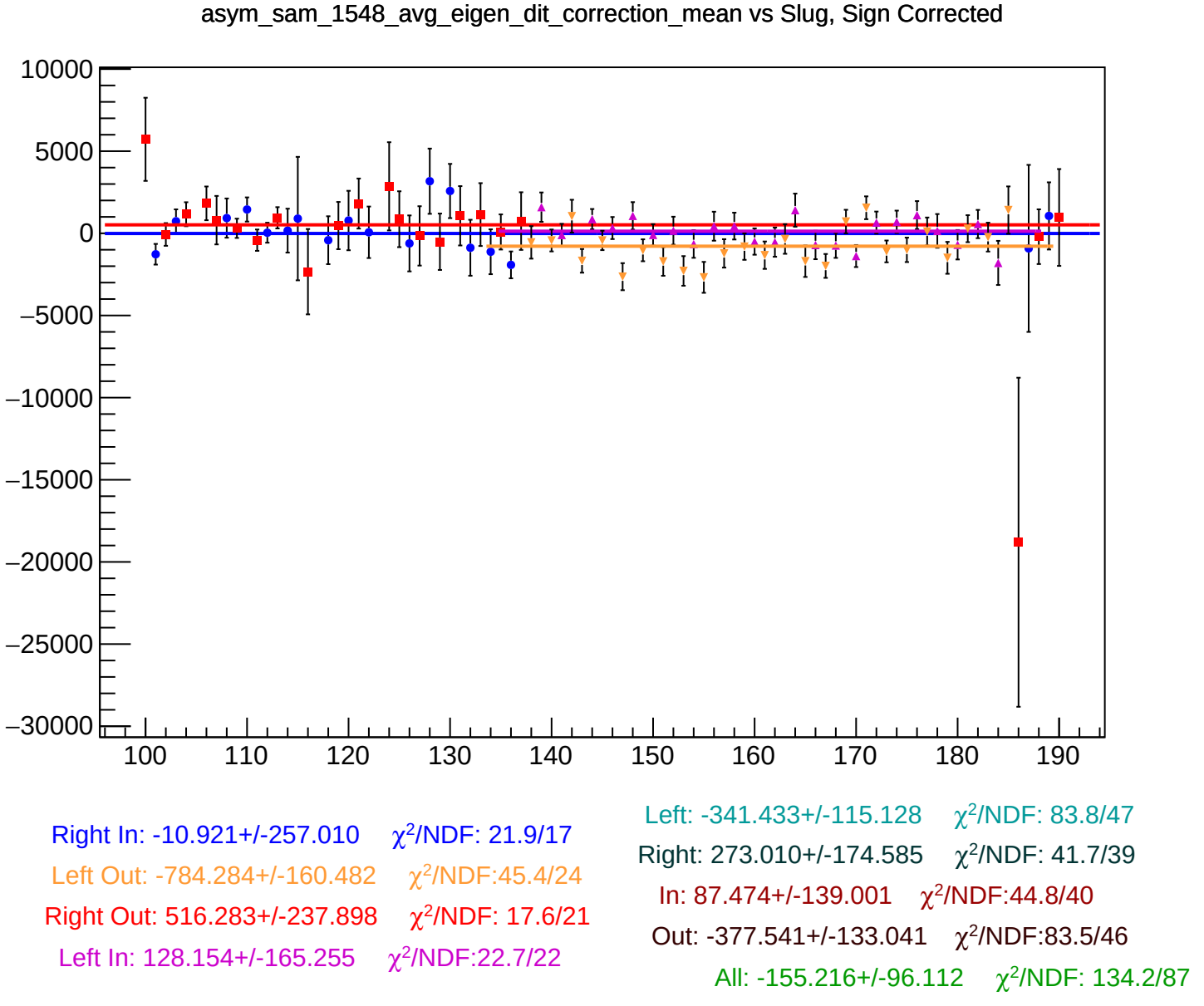
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 89.912+/-0.016 χ^2/NDF: 2829399.1/39

In: 104.595+/-0.015 χ^2/NDF:2812144.9/40

Out: 103.418+/-0.014 χ^2/NDF:4183995.0/46

All: 103.983+/-0.010 χ^2/NDF: 6999352.5/87


asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
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−20000
−25000
−30000
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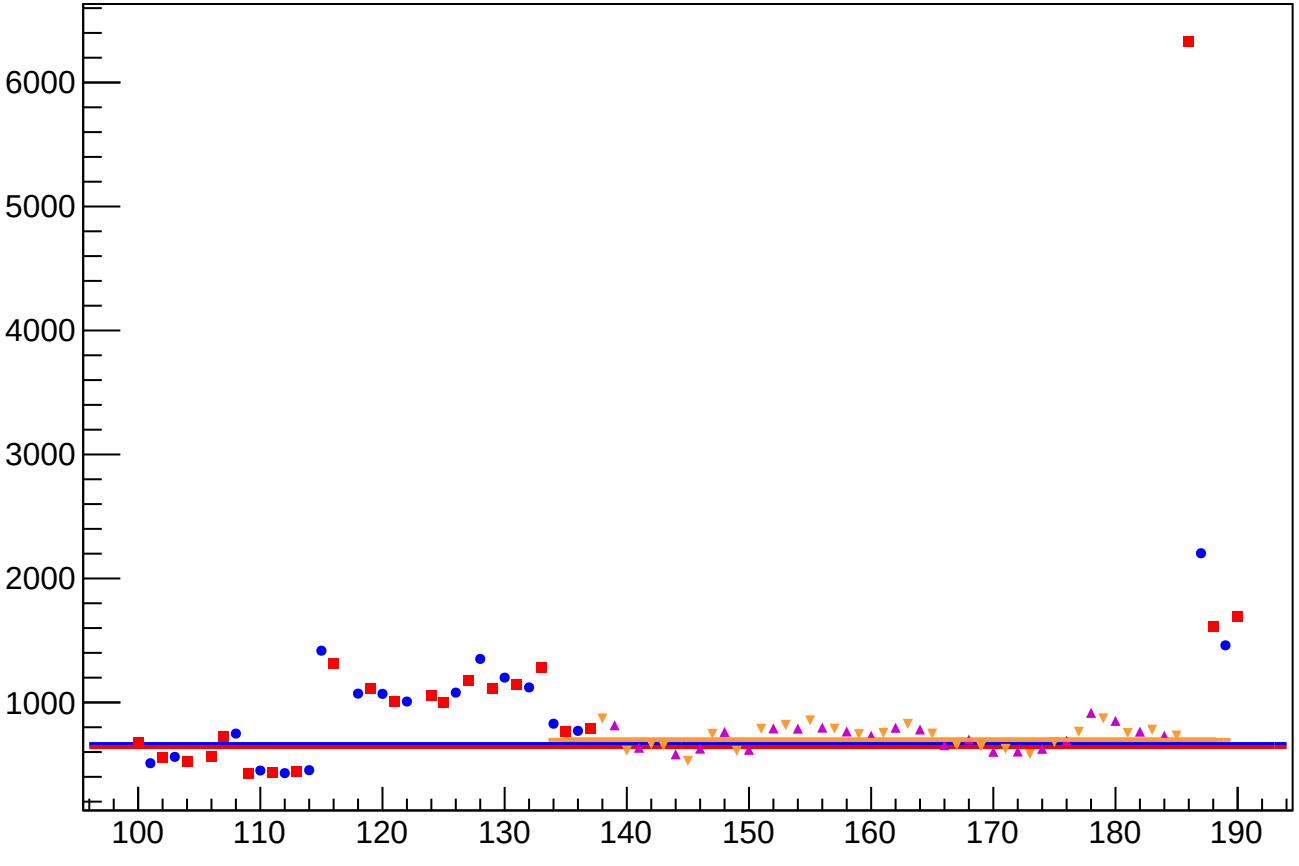
Right In: -10.921+/-257.010 χ²/NDF: 21.9/17
Left Out: -784.284+/-160.482 χ²/NDF:45.4/24
Right Out: 516.283+/-237.898 χ²/NDF: 17.6/21
Left In: 128.154+/-165.255 χ²/NDF:22.7/22
Left: -341.433+/-115.128 χ²/NDF: 83.8/47
Right: 273.010+/-174.585 χ²/NDF: 41.7/39
In: 87.474+/-139.001 χ²/NDF:44.8/40
Out: -377.541+/-133.041 χ²/NDF:83.5/46
All: -155.216+/-96.112 χ²/NDF: 134.2/87

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.460+/-0.182 χ^2/NDF: 2382812.8/17

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 640.795+/-0.168 χ^2/NDF: 3687268.4/21

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

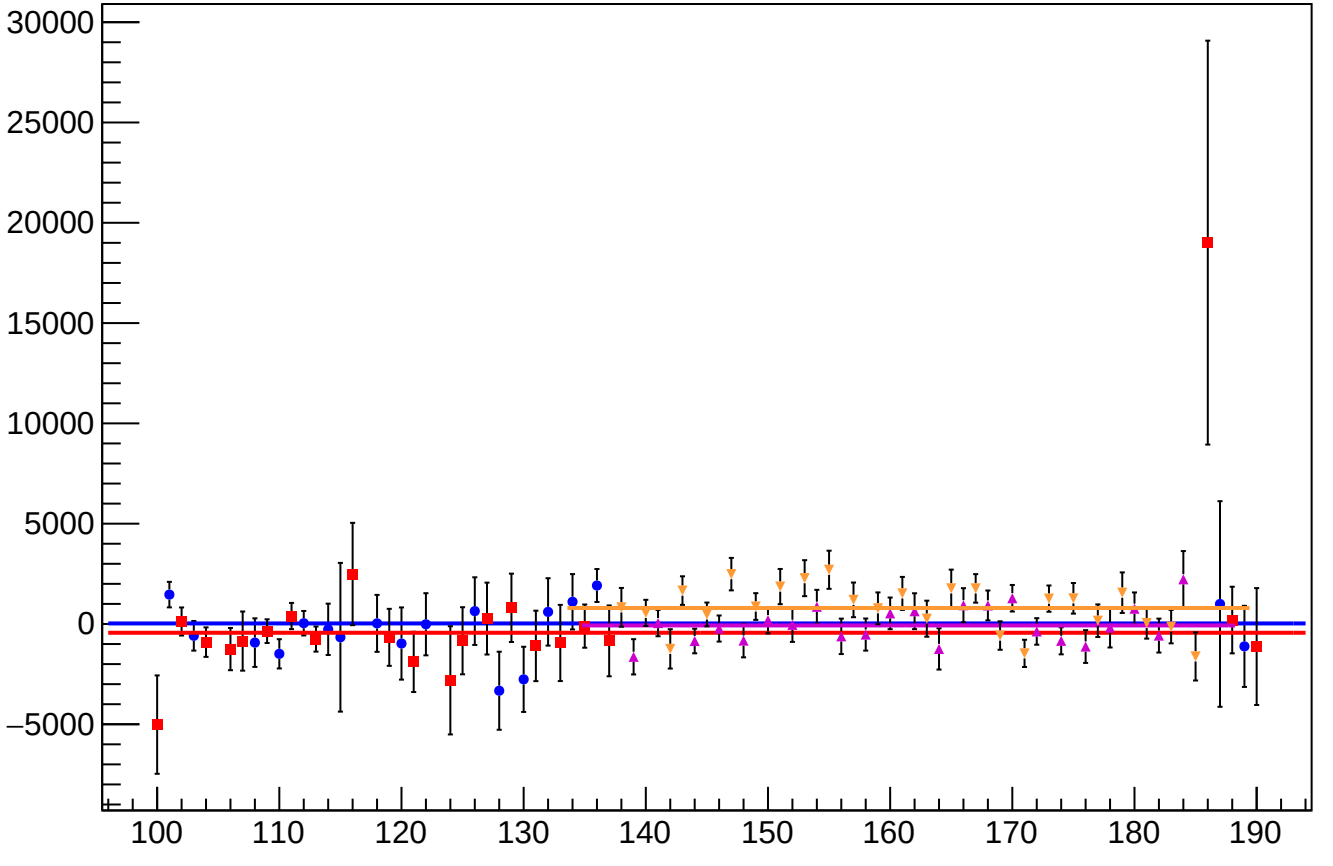
Right: 651.715+/-0.123 χ^2/NDF: 6079213.4/39

In: 689.660+/-0.098 χ^2/NDF:2994304.5/40

Out: 680.272+/-0.094 χ^2/NDF:4482087.3/46

All: 684.760+/-0.068 χ^2/NDF: 7481153.1/87

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 26.767+/-257.354 χ^2/NDF: 23.6/17

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -438.287+/-237.752 χ^2/NDF: 15.2/21

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

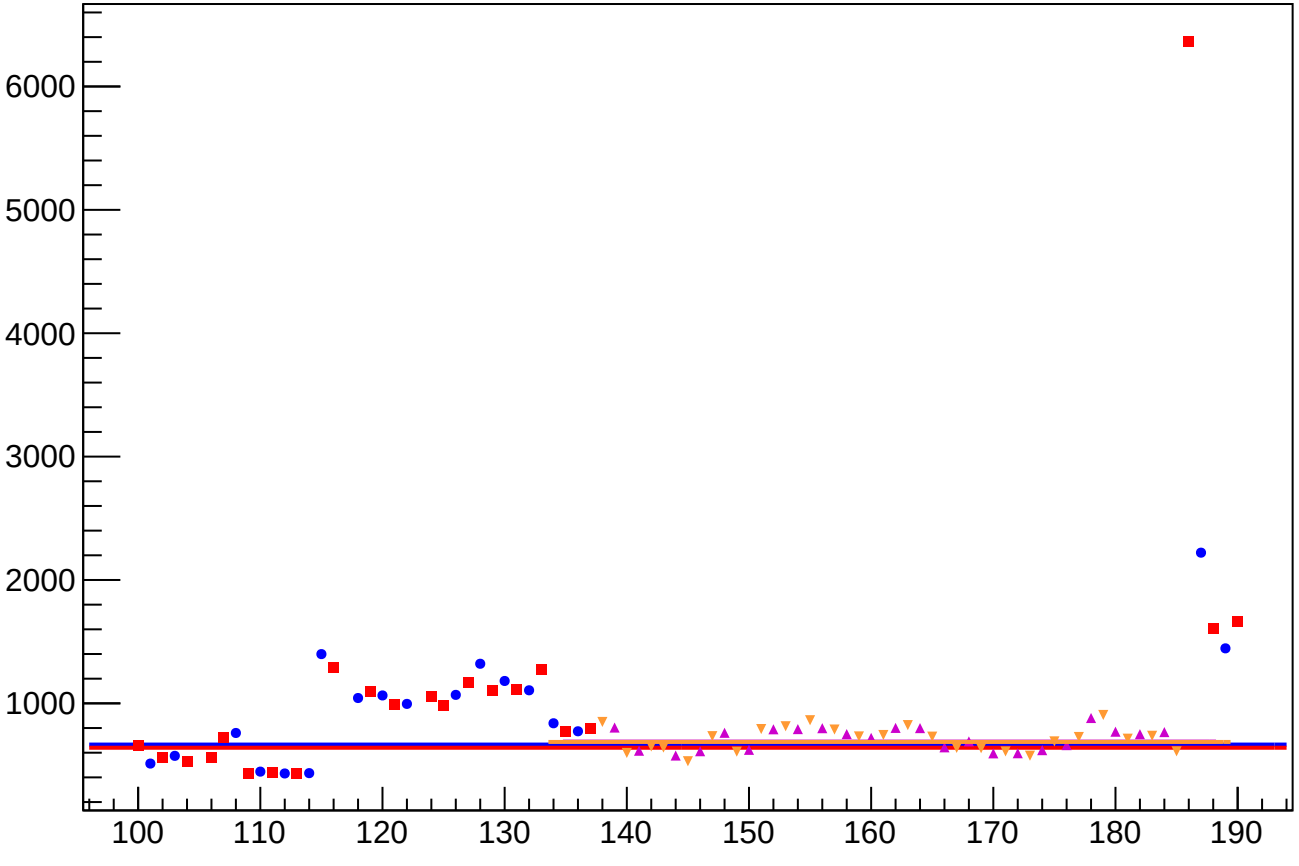
Right: -224.143+/-174.635 χ^2/NDF: 40.5/39

In: -44.824+/-137.630 χ^2/NDF:48.6/40

Out: 418.039+/-131.674 χ^2/NDF:80.3/46

All: 196.841+/-95.144 χ^2/NDF: 134.8/87

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 665.957+/-0.182 χ^2/NDF: 2335833.3/17

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 640.209+/-0.168 χ^2/NDF: 3648117.5/21

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

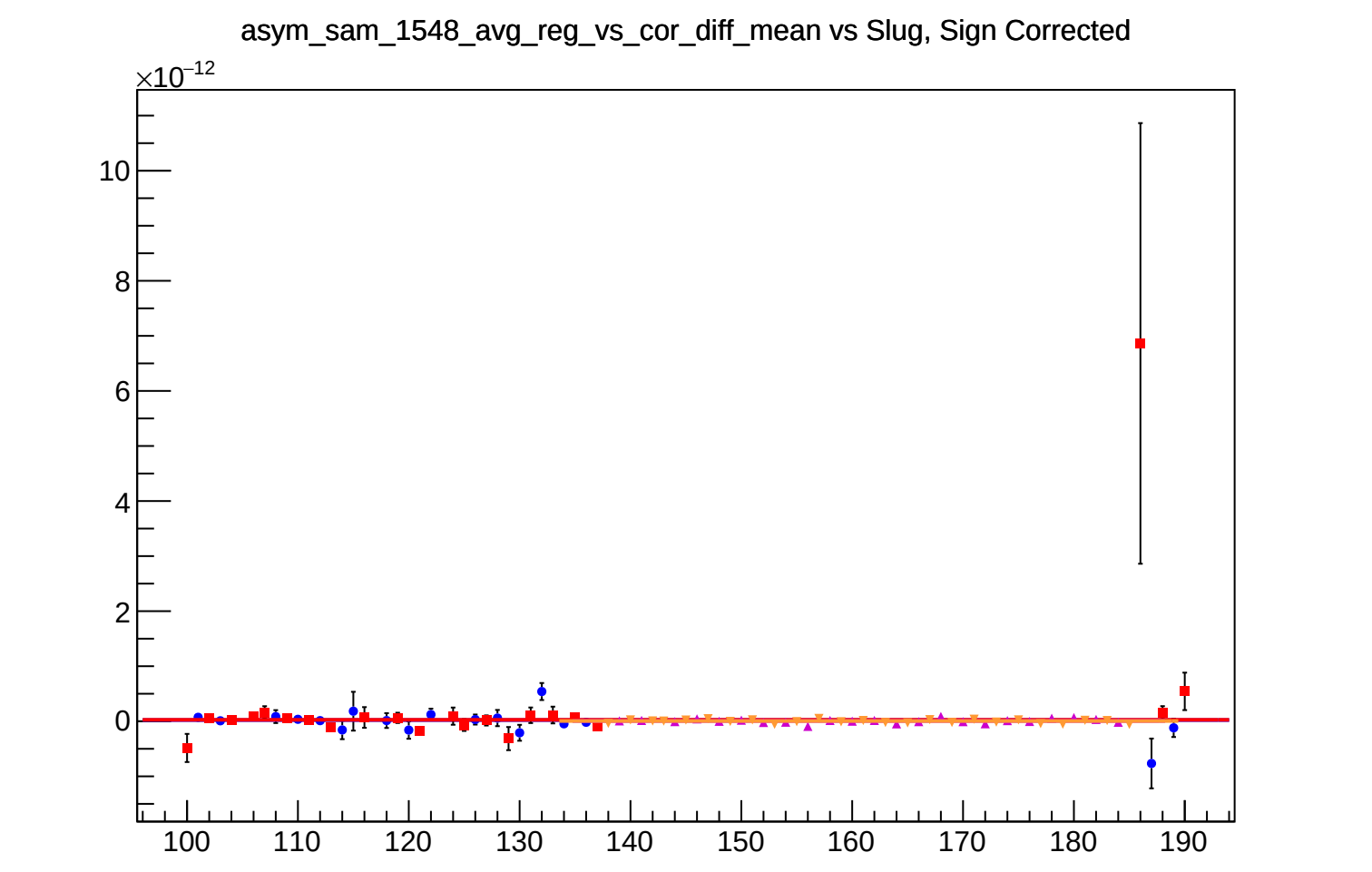
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 652.065+/-0.123 χ^2/NDF: 5994751.5/39

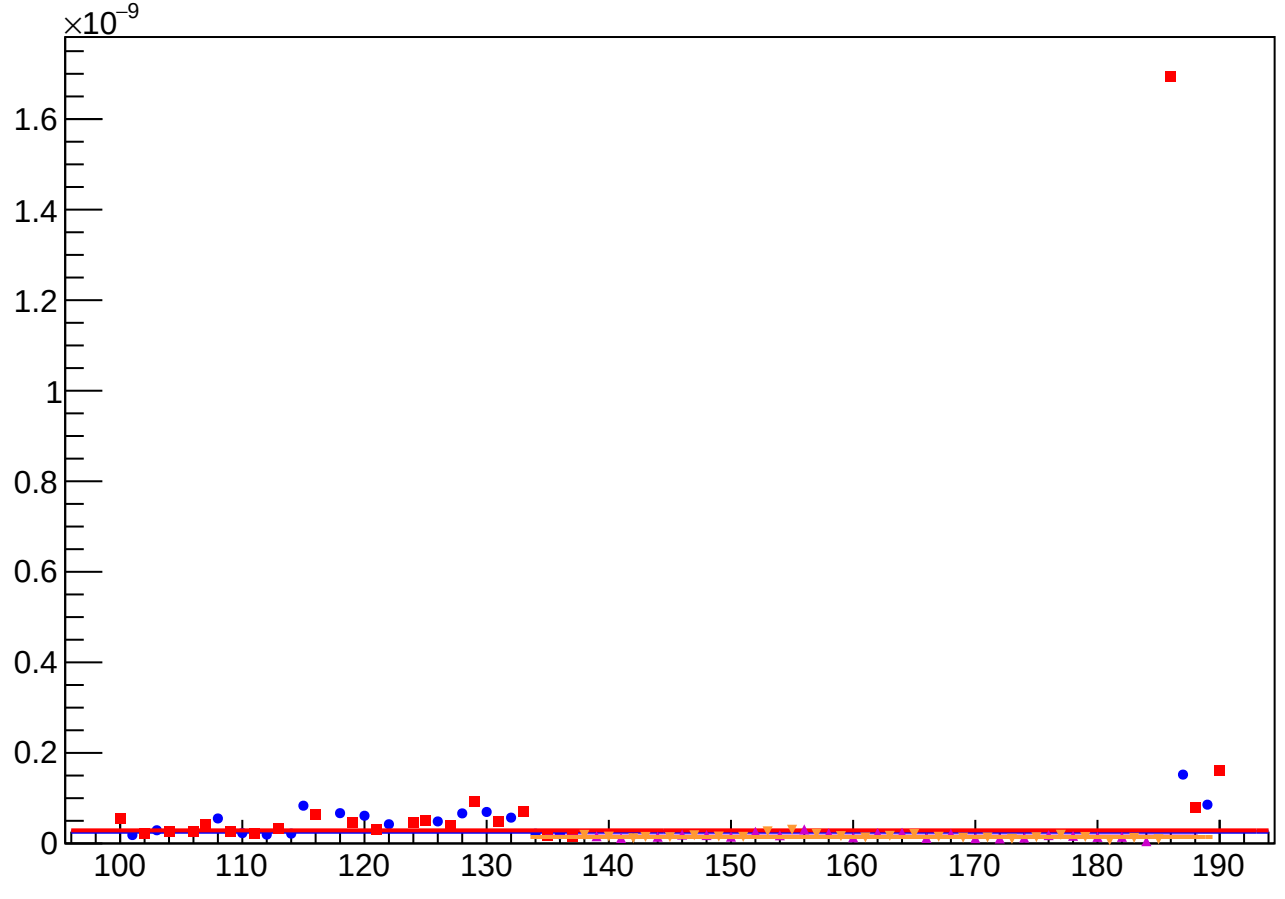
In: 683.121+/-0.097 χ^2/NDF:2915383.0/40

Out: 672.816+/-0.093 χ^2/NDF:4430374.5/46

All: 677.741+/-0.067 χ^2/NDF: 7351611.4/87


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 27.4/17
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.2/21
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: 59.7/39
In: 0.000+/-0.000 χ²/NDF:54.8/40
Out: 0.000+/-0.000 χ²/NDF:55.8/46
All: 0.000+/-0.000 χ²/NDF: 110.6/87

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1728769.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2025203.2/21

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

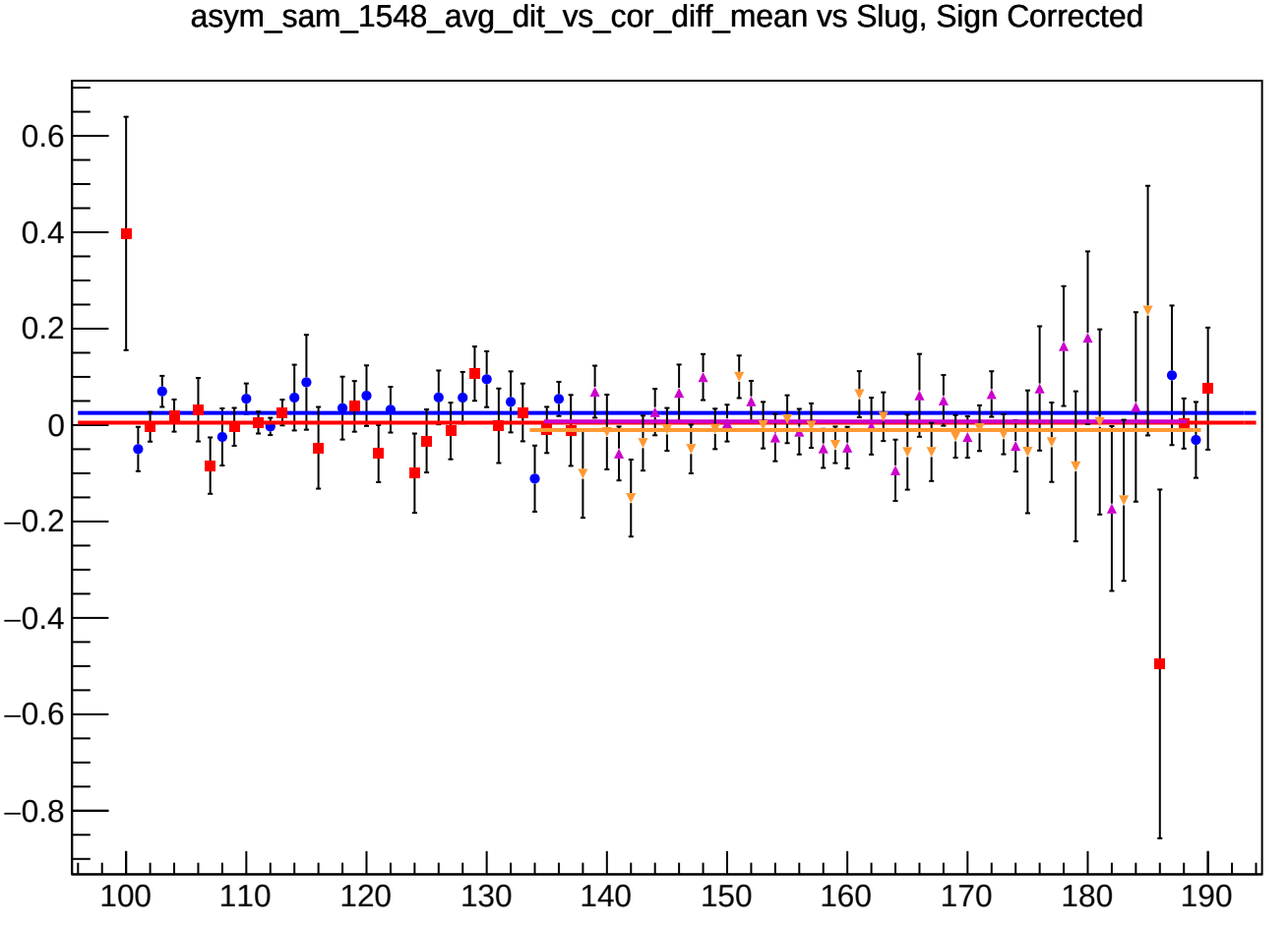
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 3792443.8/39

In: 0.000+/-0.000 χ^2/NDF:3691579.7/40

Out: 0.000+/-0.000 χ^2/NDF:4480515.3/46

All: 0.000+/-0.000 χ^2/NDF: 8193430.4/87



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.8/21

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

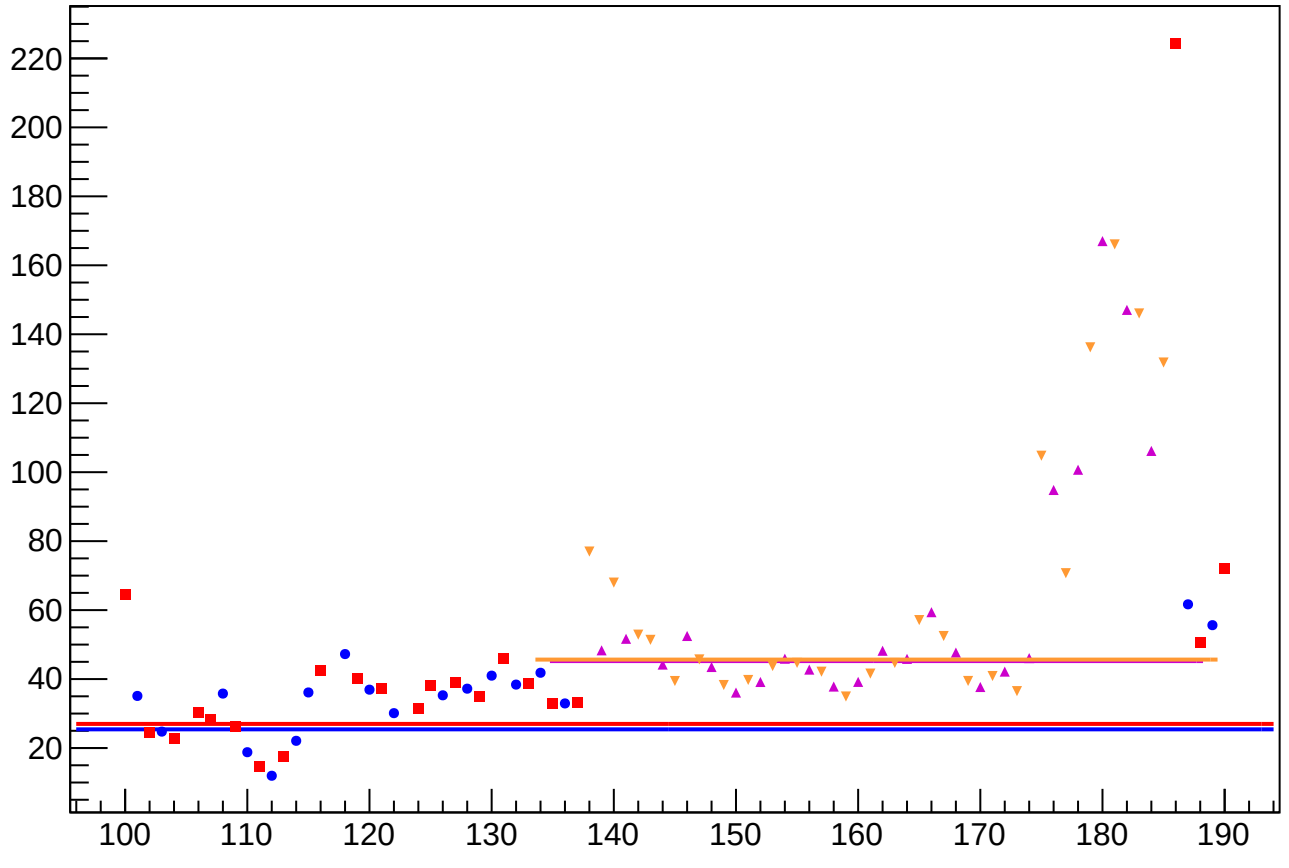
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.015+/-0.007 χ^2/NDF: 35.1/39

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.9/46

All: 0.008+/-0.005 χ^2/NDF: 80.0/87



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 26.996+/-0.007 χ^2/NDF: 2905493.7/21

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

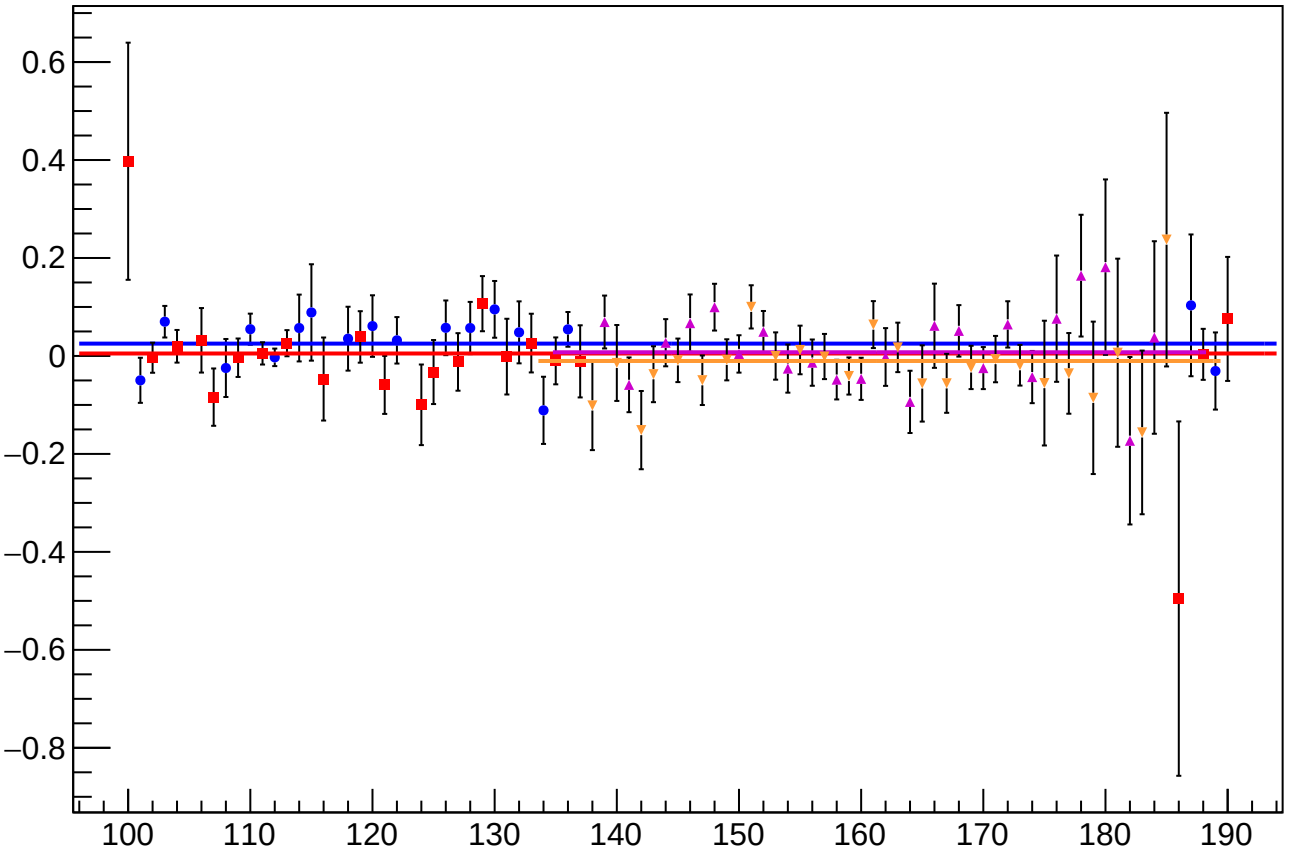
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 26.218+/-0.005 χ^2/NDF: 5653807.9/39

In: 34.249+/-0.005 χ^2/NDF:9048991.6/40

Out: 35.313+/-0.005 χ^2/NDF:9954383.7/46

All: 34.788+/-0.004 χ^2/NDF: 19023079.3/87



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.8/21

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

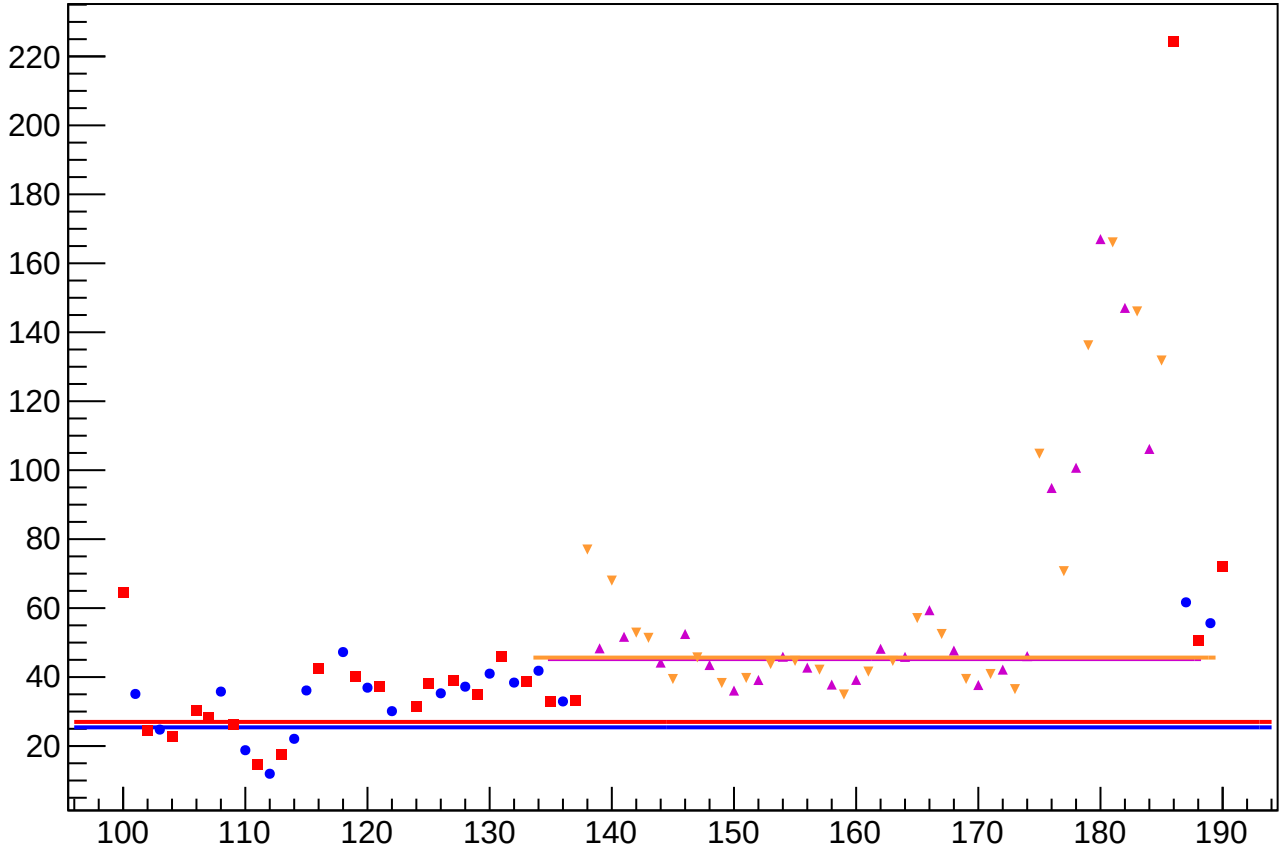
Right: 0.015+/-0.007 χ^2/NDF: 35.1/39

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.9/46

All: 0.008+/-0.005 χ^2/NDF: 80.0/87

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 26.996+/-0.007 χ^2/NDF: 2905493.7/21

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

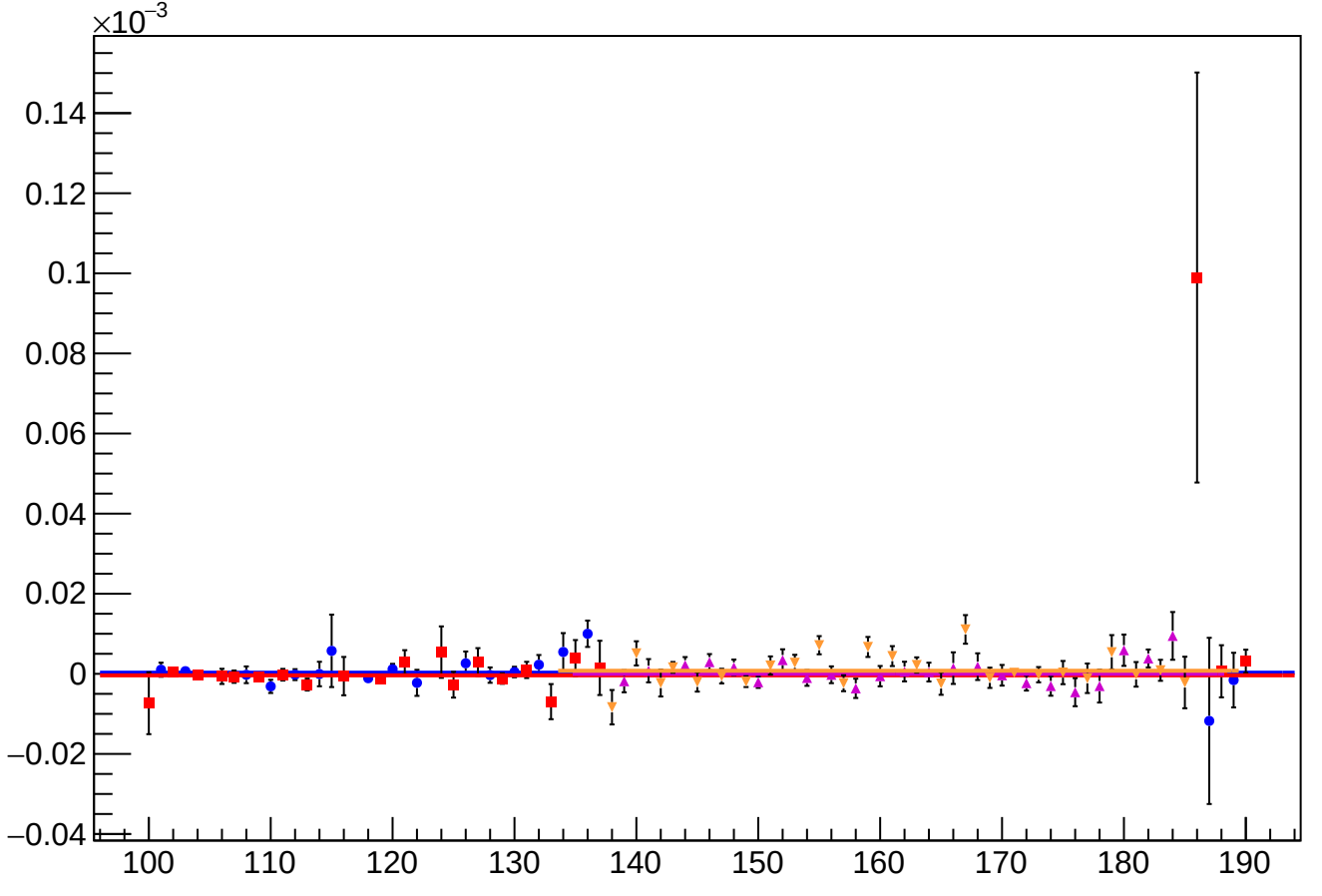
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 26.218+/-0.005 χ^2/NDF: 5653807.9/39

In: 34.249+/-0.005 χ^2/NDF:9048991.6/40

Out: 35.313+/-0.005 χ^2/NDF:9954383.7/46

All: 34.788+/-0.004 χ^2/NDF: 19023079.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/21

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

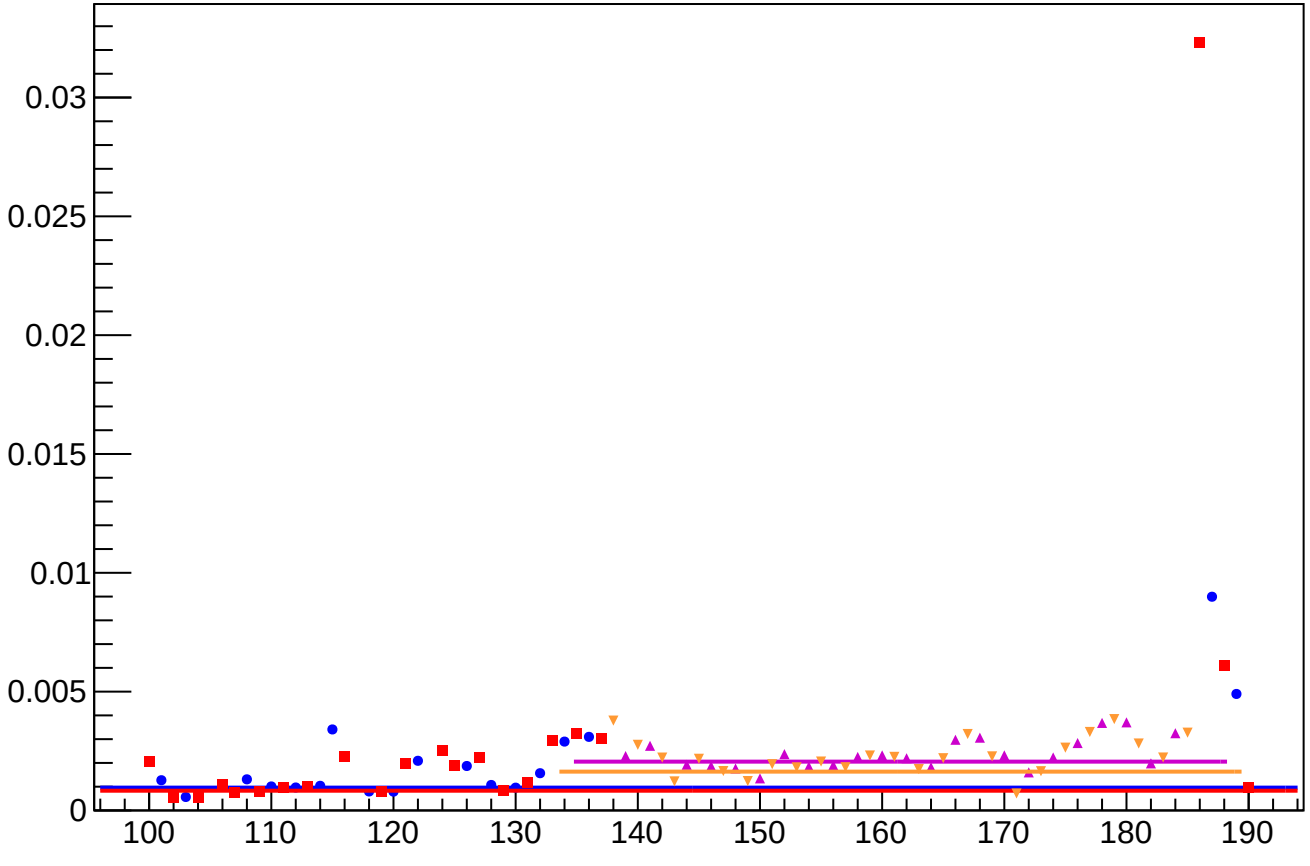
Right: -0.000+/-0.000 χ^2/NDF: 39.3/39

In: 0.000+/-0.000 χ^2/NDF:44.4/40

Out: 0.000+/-0.000 χ^2/NDF:68.7/46

All: 0.000+/-0.000 χ^2/NDF: 113.2/87

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3636890.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5316363.3/21

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

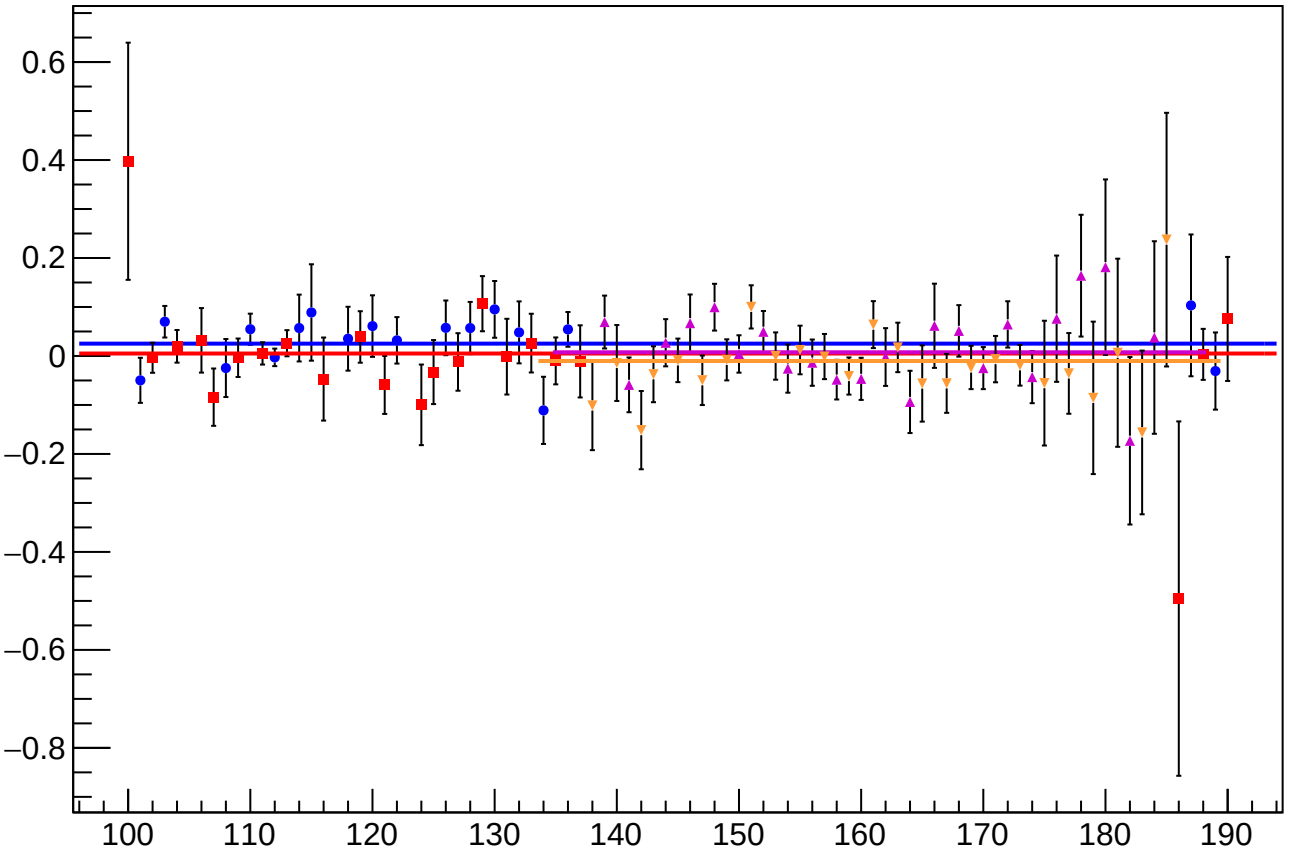
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 9076146.9/39

In: 0.001+/-0.000 χ^2/NDF:11546465.5/40

Out: 0.001+/-0.000 χ^2/NDF:16356714.7/46

All: 0.001+/-0.000 χ^2/NDF: 28553045.3/87



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.8/21

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

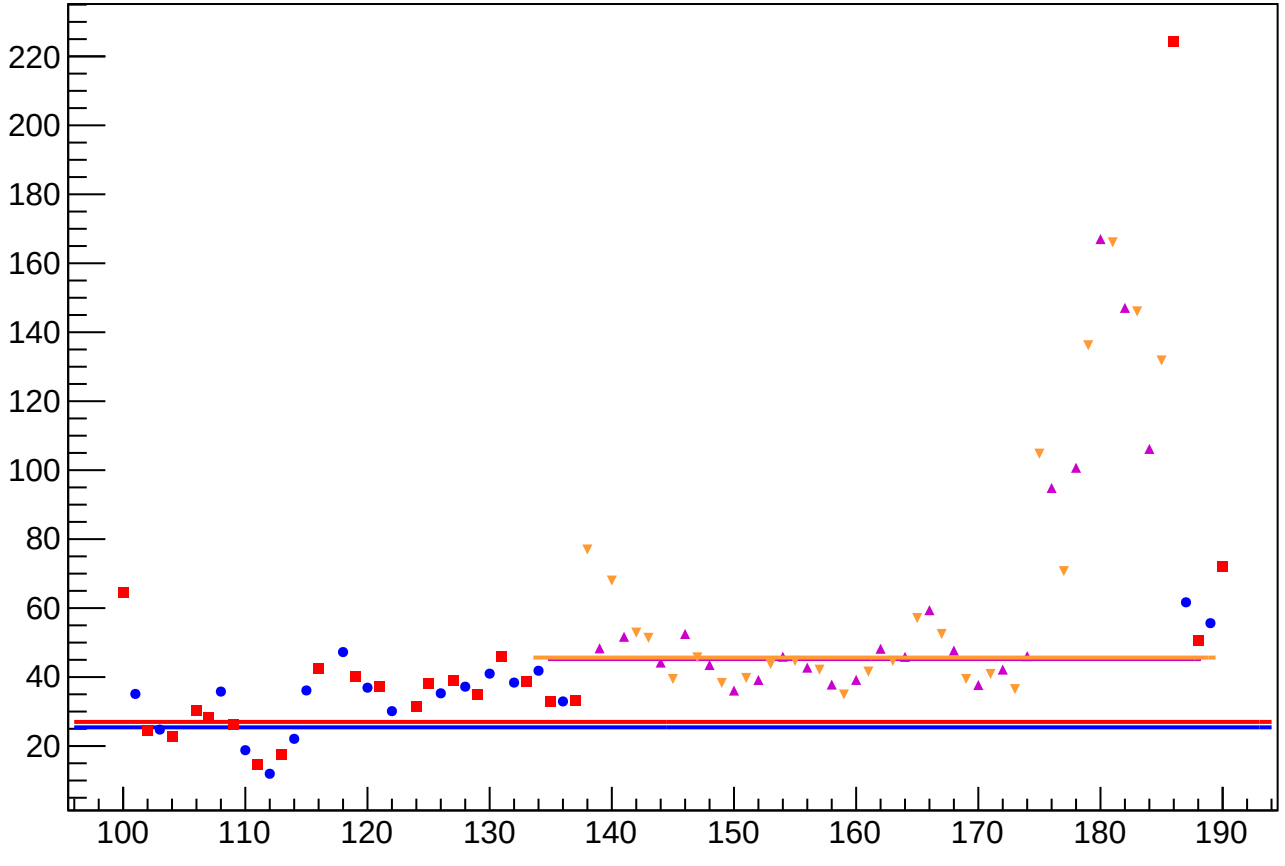
Right: 0.015+/-0.007 χ^2/NDF: 35.1/39

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.9/46

All: 0.008+/-0.005 χ^2/NDF: 80.0/87

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 26.996+/-0.007 χ^2/NDF: 2905656.3/21

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

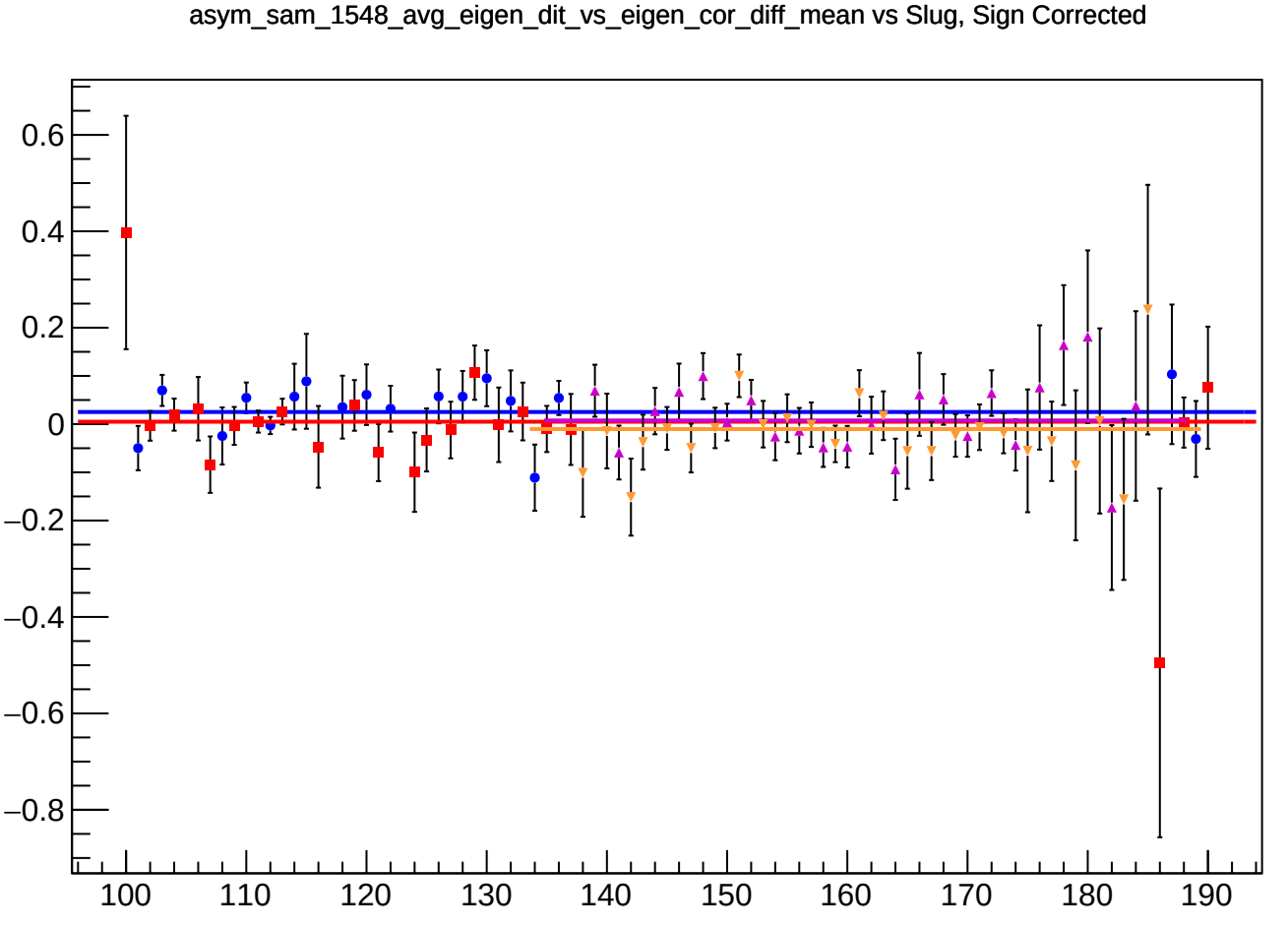
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 26.218+/-0.005 χ^2/NDF: 5654157.7/39

In: 34.249+/-0.005 χ^2/NDF:9049439.5/40

Out: 35.313+/-0.005 χ^2/NDF:9954734.1/46

All: 34.788+/-0.004 χ^2/NDF: 19023882.8/87



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.8/21

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

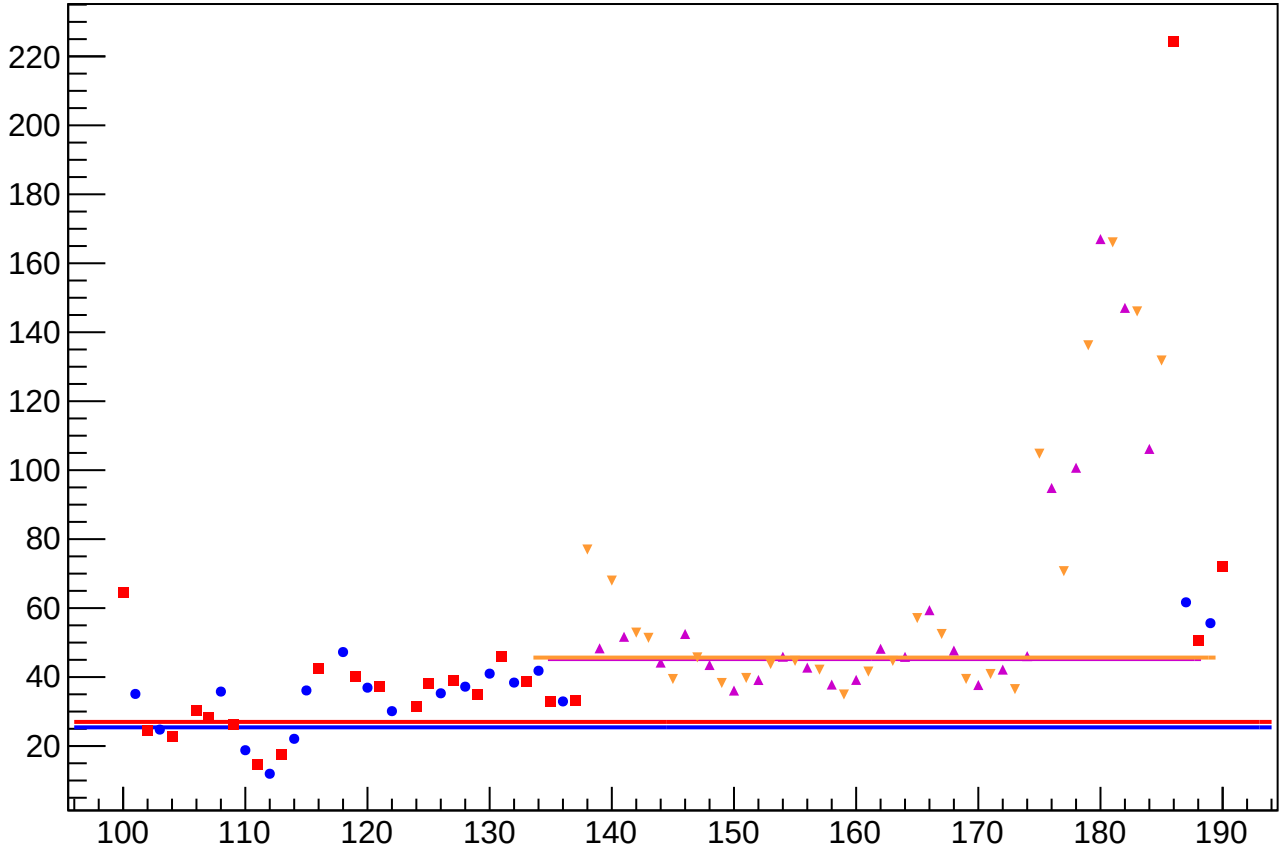
Right: 0.015+/-0.007 χ^2/NDF: 35.1/39

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.9/46

All: 0.008+/-0.005 χ^2/NDF: 80.0/87

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 26.996+/-0.007 χ^2/NDF: 2905656.3/21

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

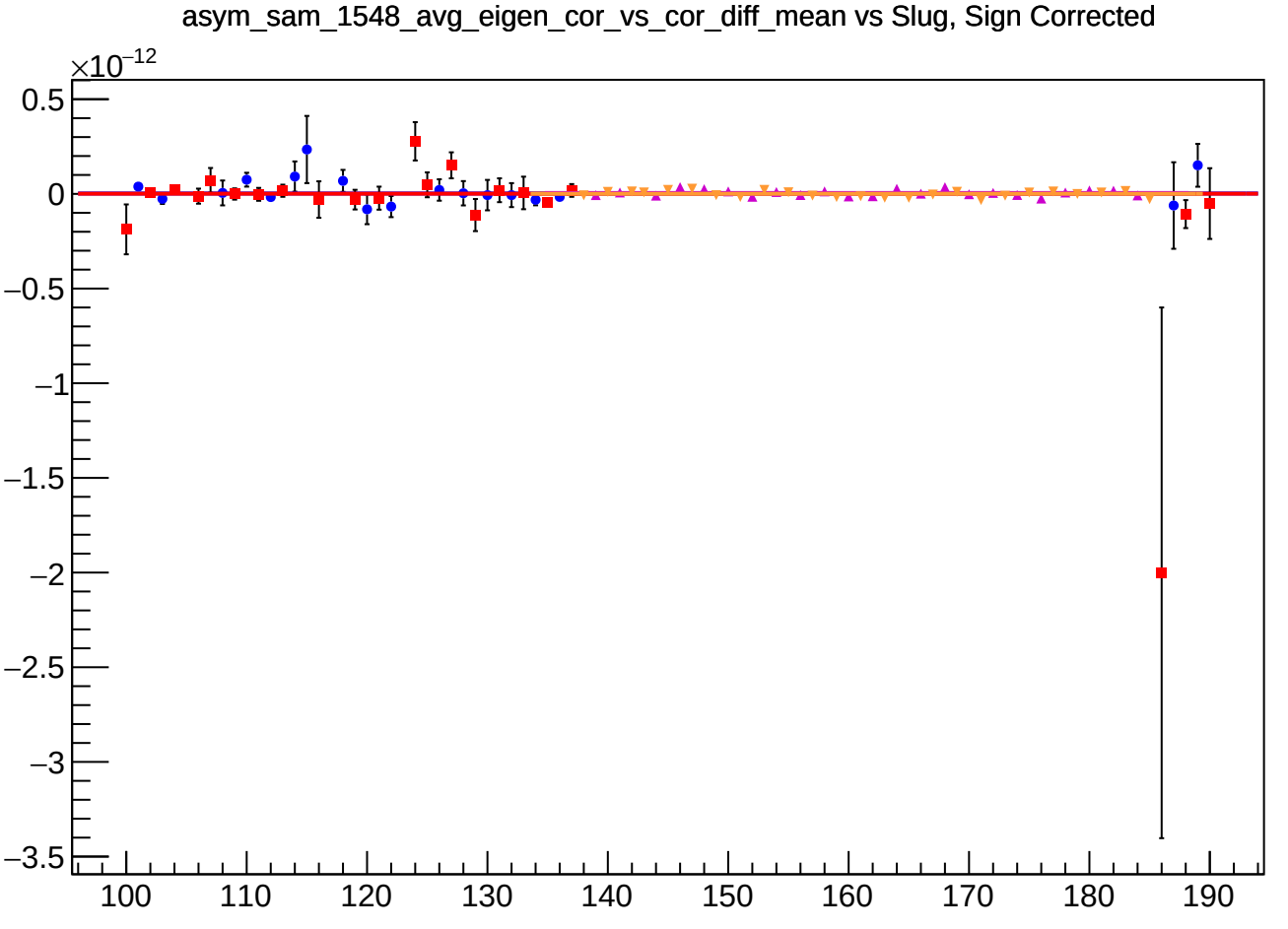
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

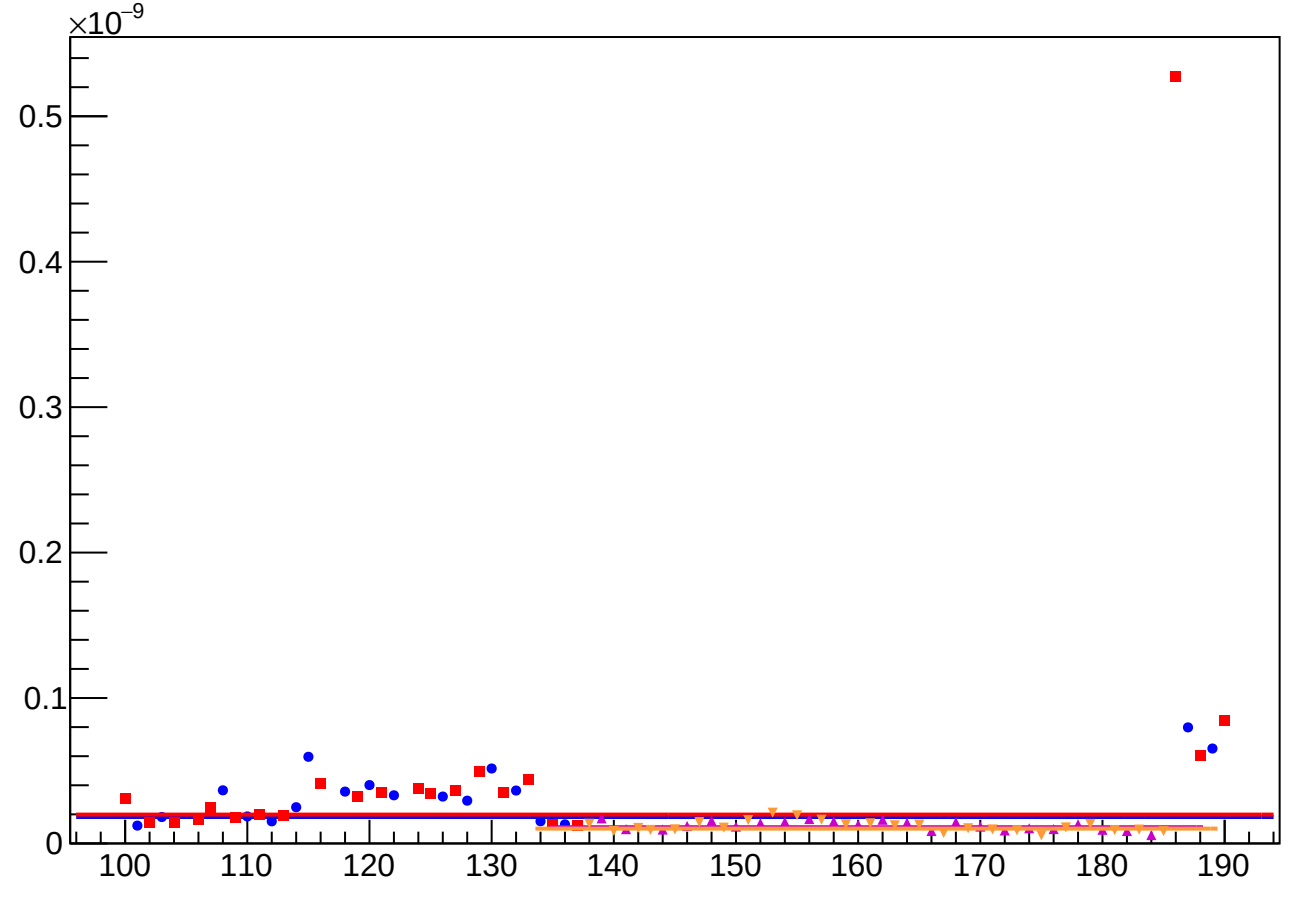
Right: 26.218+/-0.005 χ^2/NDF: 5654157.7/39

In: 34.249+/-0.005 χ^2/NDF:9049439.5/40

Out: 35.313+/-0.005 χ^2/NDF:9954734.1/46

All: 34.788+/-0.004 χ^2/NDF: 19023882.8/87


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.5/17
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.8/21
Left In: 0.000+/-0.000 χ²/NDF:23.7/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: 0.000+/-0.000 χ²/NDF: 48.3/39
In: 0.000+/-0.000 χ²/NDF:44.3/40
Out: 0.000+/-0.000 χ²/NDF:53.2/46
All: 0.000+/-0.000 χ²/NDF: 98.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 2365632.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2747194.5/21

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

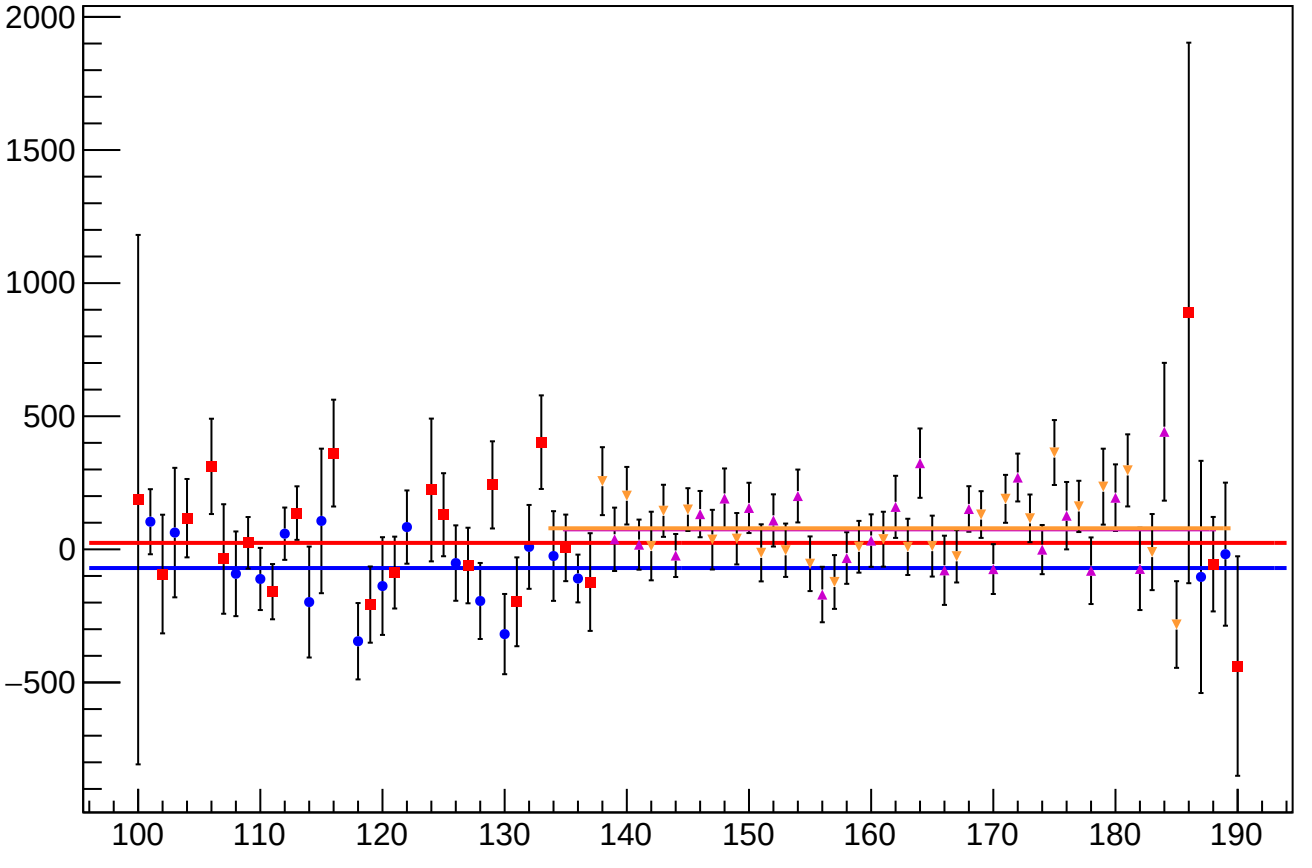
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5147892.0/39

In: 0.000+/-0.000 χ^2/NDF:5063829.7/40

Out: 0.000+/-0.000 χ^2/NDF:7056463.8/46

All: 0.000+/-0.000 χ^2/NDF: 12216650.1/87



Right In: -70.218+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 24.225+/-33.493 χ^2/NDF: 26.2/21

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

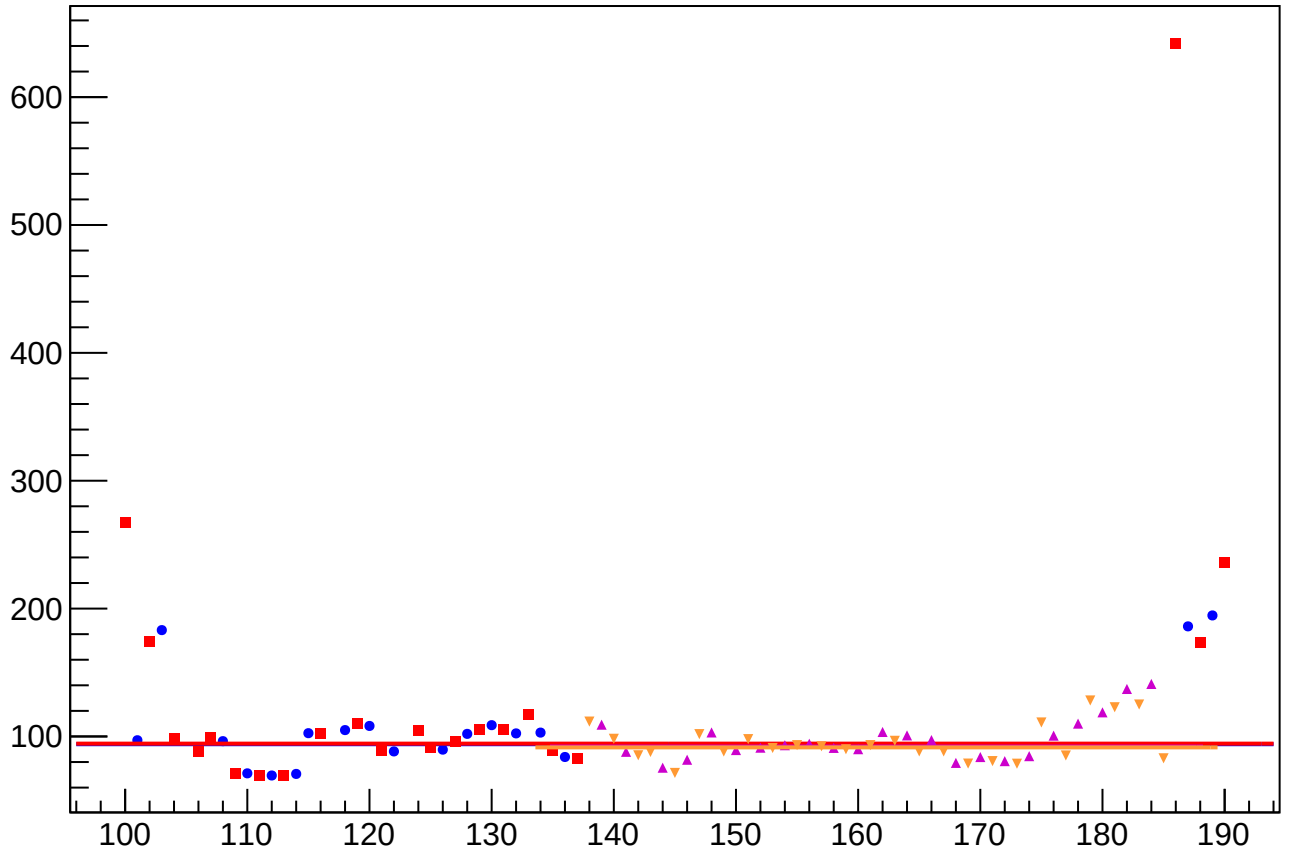
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -21.305+/-24.104 χ^2/NDF: 44.2/39

In: 33.865+/-18.484 χ^2/NDF:59.3/40

Out: 63.505+/-17.854 χ^2/NDF:60.1/46

All: 49.199+/-12.842 χ^2/NDF: 120.7/87



Right In: 93.927+/-0.025 χ^2/NDF: 959708.4/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 94.388+/-0.024 χ^2/NDF: 1993314.8/21

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

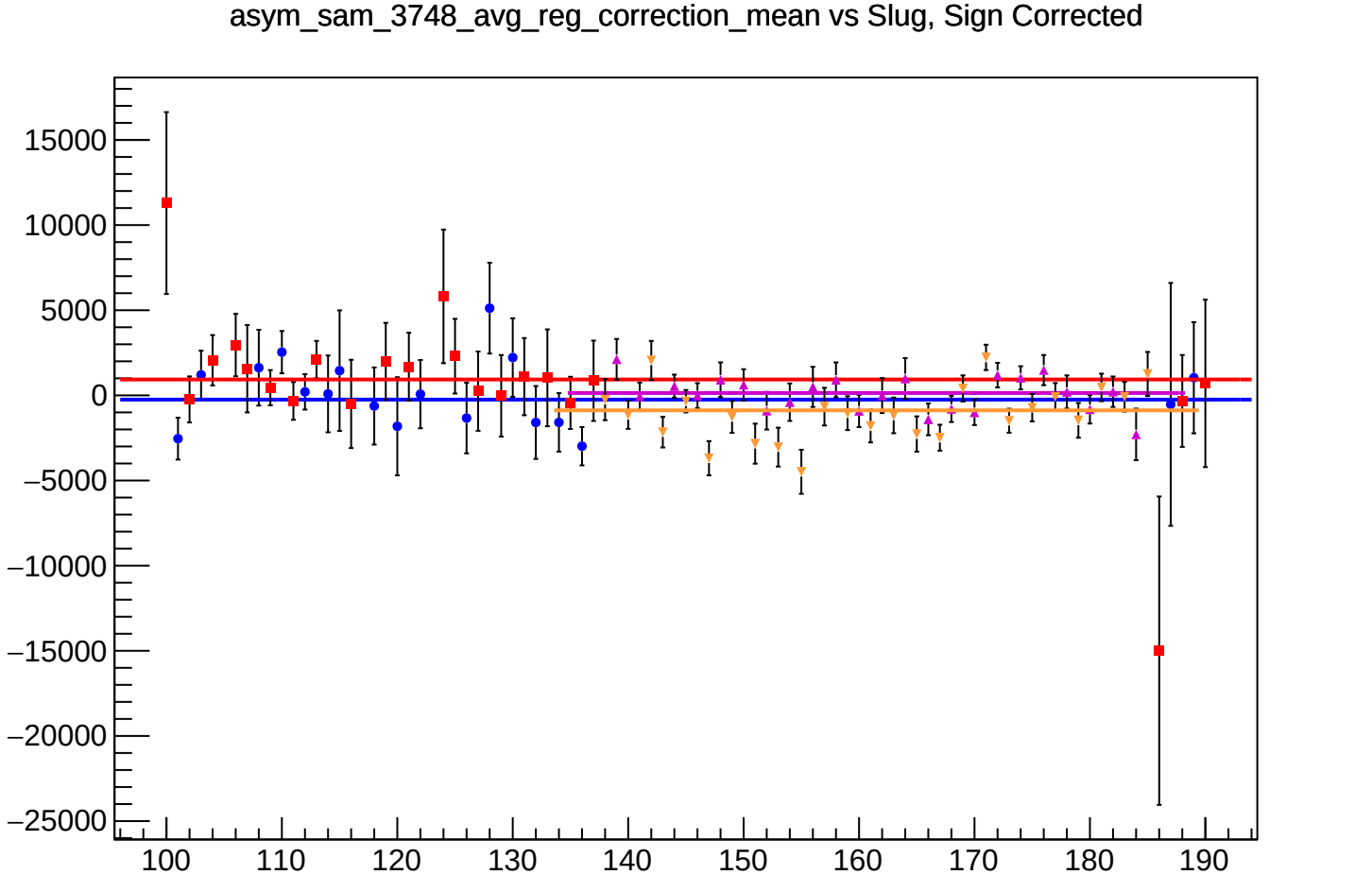
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 94.166+/-0.017 χ^2/NDF: 2953206.3/39

In: 92.618+/-0.013 χ^2/NDF:1663263.5/40

Out: 92.293+/-0.013 χ^2/NDF:2755458.0/46

All: 92.450+/-0.009 χ^2/NDF: 4419041.1/87



Right In: -248.224+/-415.442 χ^2/NDF: 23.6/17

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 932.148+/-394.811 χ^2/NDF: 16.0/21

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

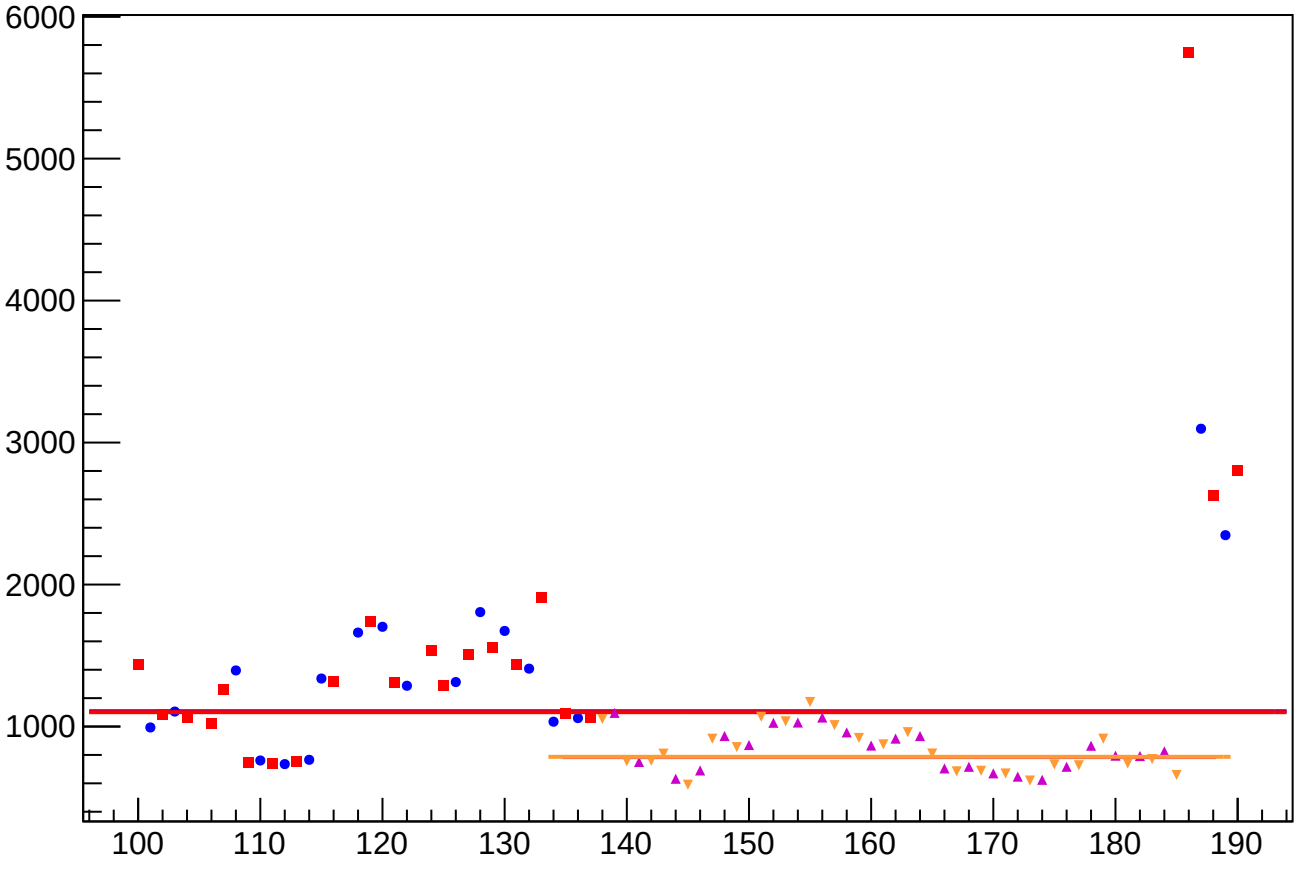
Right: 371.997+/-286.189 χ^2/NDF: 43.8/39

In: 73.783+/-170.198 χ^2/NDF:48.5/40

Out: -560.597+/-165.424 χ^2/NDF:101.1/46

All: -252.428+/-118.624 χ^2/NDF: 156.7/87

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1107.458+/-0.294 χ^2/NDF: 1506947.9/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1101.141+/-0.279 χ^2/NDF: 2639640.1/21

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

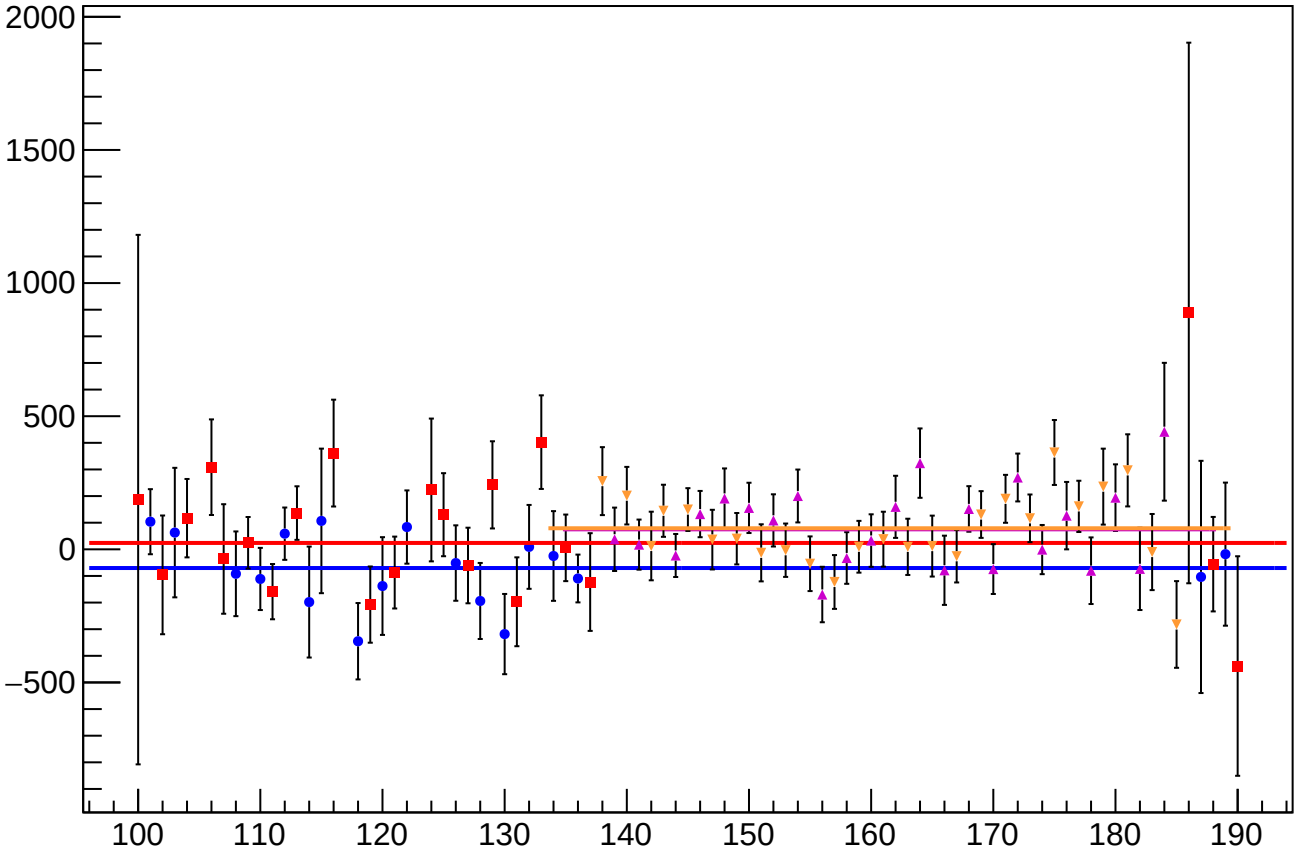
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1104.138+/-0.202 χ^2/NDF: 4146831.0/39

In: 838.981+/-0.120 χ^2/NDF:3574416.3/40

Out: 841.950+/-0.117 χ^2/NDF:4896040.5/46

All: 840.508+/-0.084 χ^2/NDF: 8470769.8/87



Right In: -70.230+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 23.983+/-33.497 χ^2/NDF: 26.2/21

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

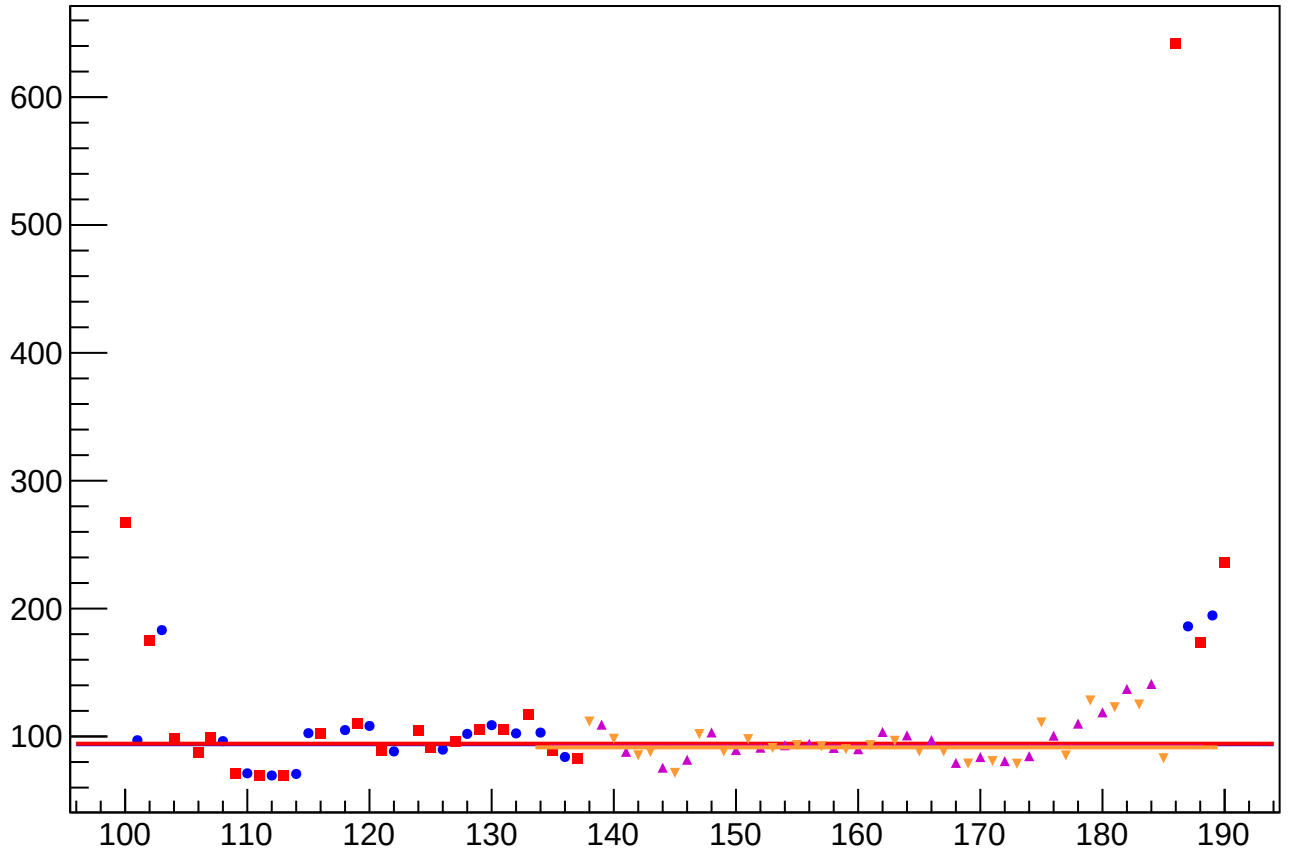
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -21.441+/-24.105 χ^2/NDF: 44.1/39

In: 33.862+/-18.484 χ^2/NDF:59.3/40

Out: 63.445+/-17.855 χ^2/NDF:60.1/46

All: 49.166+/-12.842 χ^2/NDF: 120.7/87



Right In: 93.927+/-0.025 χ^2/NDF: 959711.5/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 94.344+/-0.024 χ^2/NDF: 1994584.7/21

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

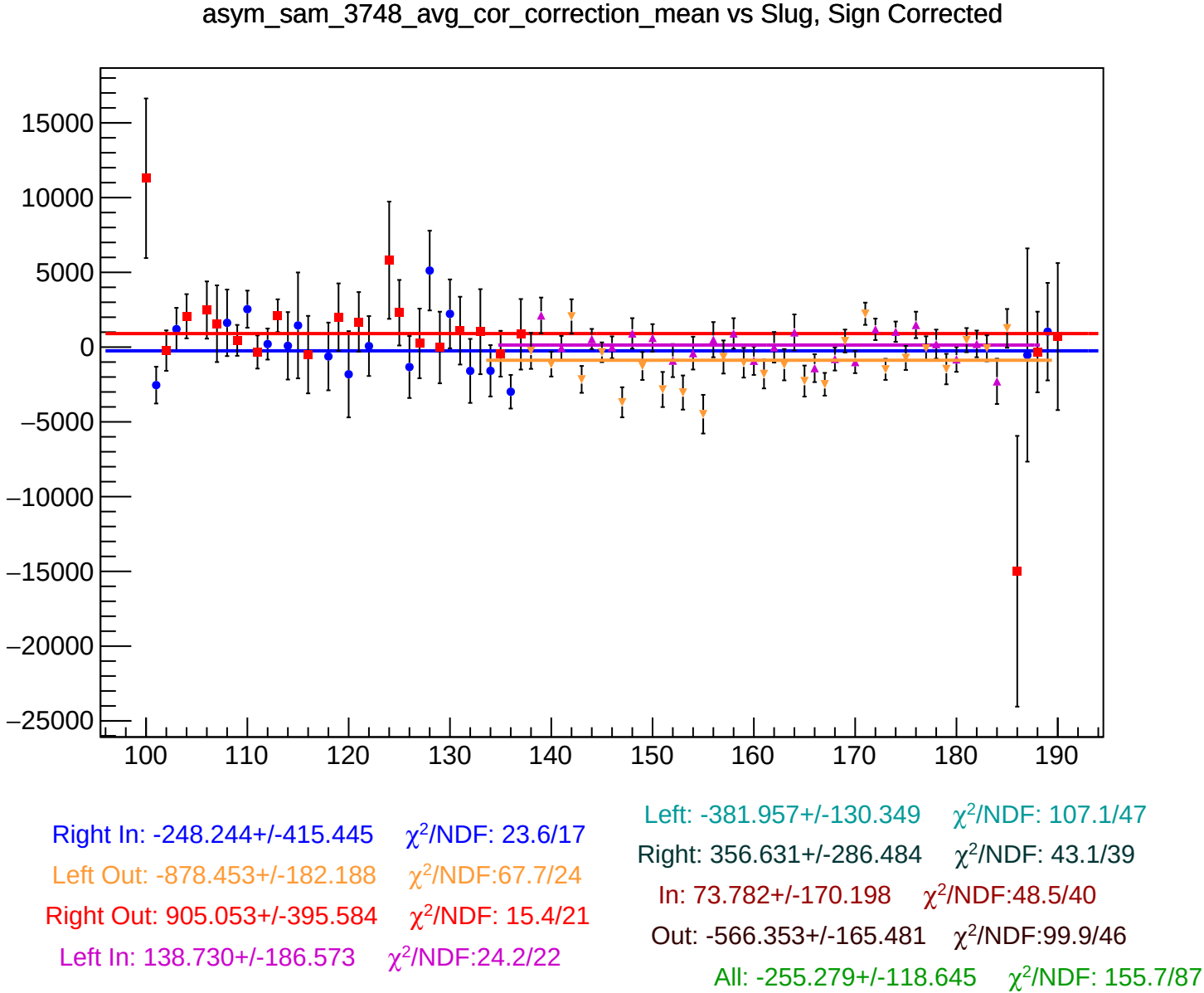
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

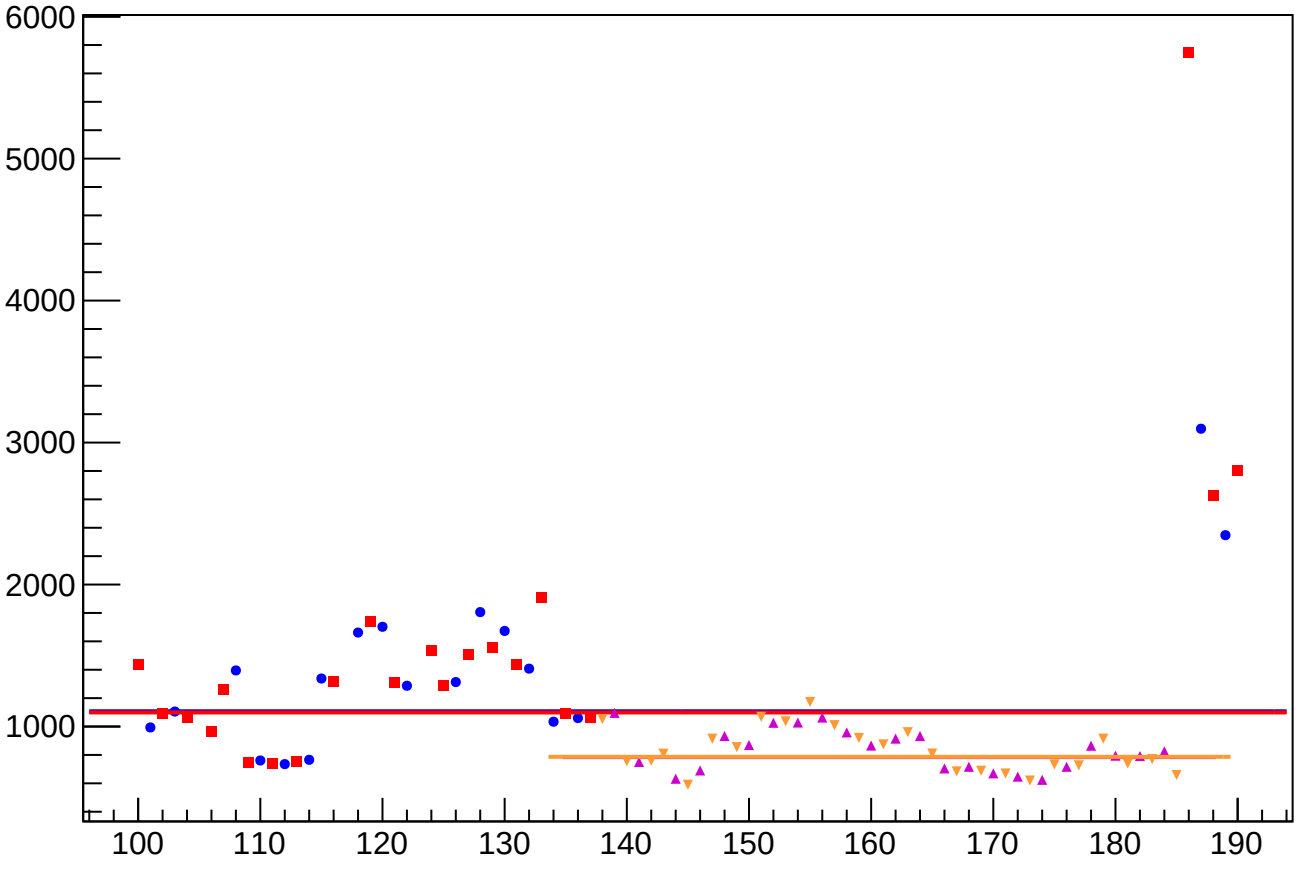
Right: 94.143+/-0.017 χ^2/NDF: 2954445.7/39

In: 92.618+/-0.013 χ^2/NDF:1663266.6/40

Out: 92.281+/-0.013 χ^2/NDF:2756397.4/46

All: 92.443+/-0.009 χ^2/NDF: 4420009.2/87


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -248.244+/-415.445 χ²/NDF: 23.6/17
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 905.053+/-395.584 χ²/NDF: 15.4/21
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 356.631+/-286.484 χ²/NDF: 43.1/39
In: 73.782+/-170.198 χ²/NDF:48.5/40
Out: -566.353+/-165.481 χ²/NDF:99.9/46
All: -255.279+/-118.645 χ²/NDF: 155.7/87



Right In: 1107.467+/-0.294 χ^2/NDF: 1506949.1/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1099.072+/-0.280 χ^2/NDF: 2645839.4/21

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

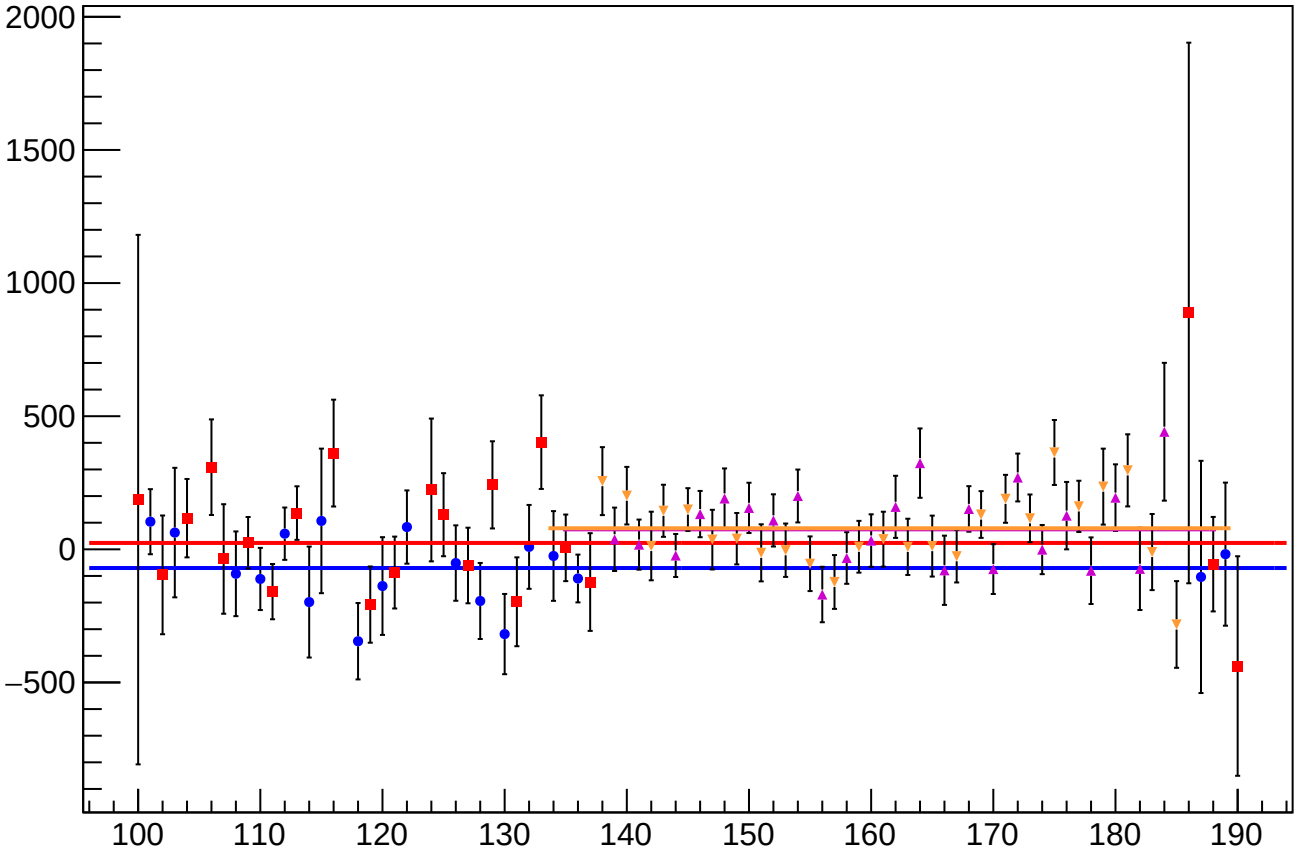
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1103.064+/-0.203 χ^2/NDF: 4153216.9/39

In: 838.982+/-0.120 χ^2/NDF:3574458.0/40

Out: 841.411+/-0.117 χ^2/NDF:4885203.4/46

All: 840.231+/-0.084 χ^2/NDF: 8459870.7/87



Right In: -70.230+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 23.983+/-33.497 χ^2/NDF: 26.2/21

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

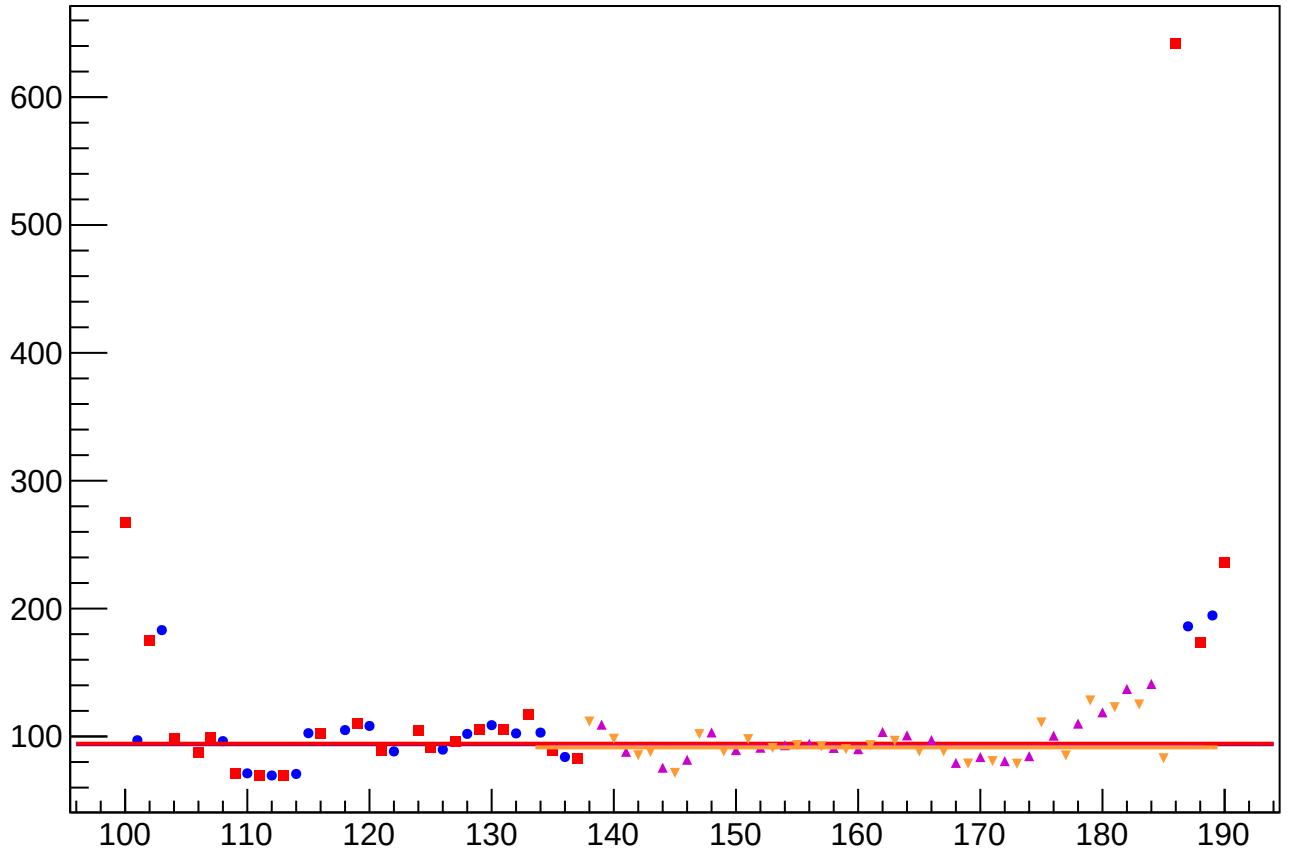
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -21.441+/-24.105 χ^2/NDF: 44.1/39

In: 33.862+/-18.484 χ^2/NDF:59.3/40

Out: 63.445+/-17.855 χ^2/NDF:60.1/46

All: 49.166+/-12.842 χ^2/NDF: 120.7/87



Right In: 93.927+/-0.025 χ^2/NDF: 959711.5/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 94.344+/-0.024 χ^2/NDF: 1994584.7/21

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

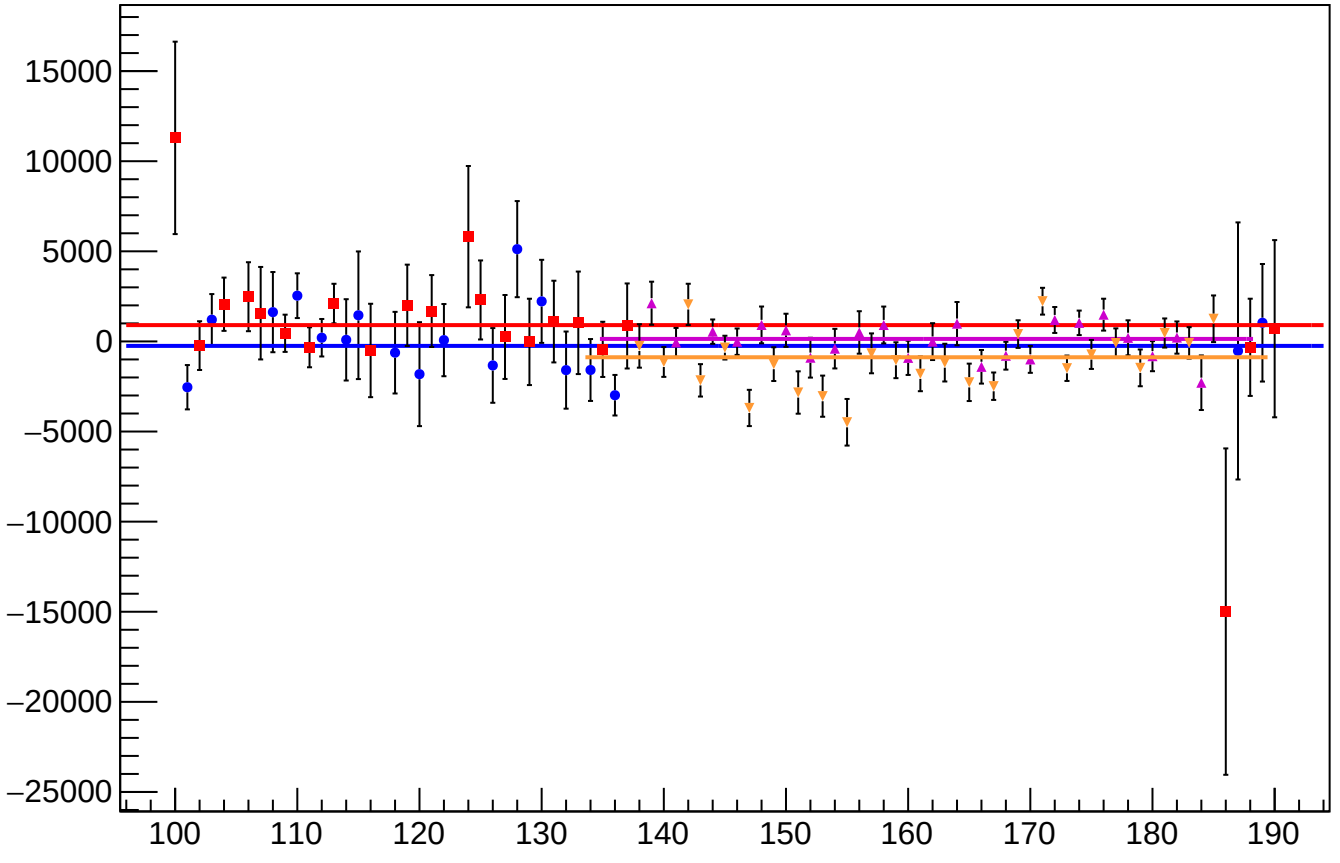
Right: 94.143+/-0.017 χ^2/NDF: 2954445.7/39

In: 92.618+/-0.013 χ^2/NDF:1663266.6/40

Out: 92.281+/-0.013 χ^2/NDF:2756397.4/46

All: 92.443+/-0.009 χ^2/NDF: 4420009.2/87

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -248.244+/-415.445 χ^2/NDF: 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 905.053+/-395.584 χ^2/NDF: 15.4/21

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

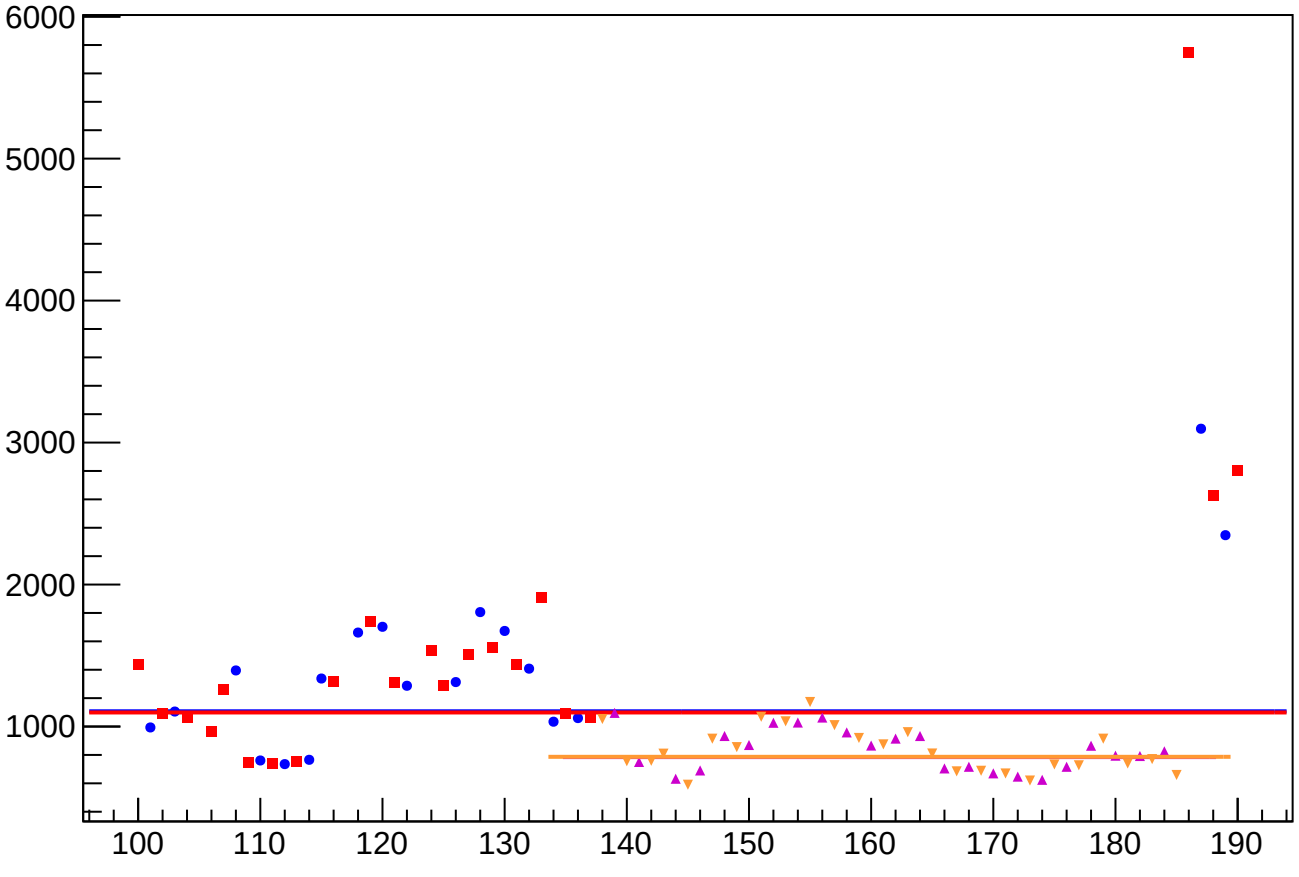
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 356.631+/-286.484 χ^2/NDF: 43.1/39

In: 73.782+/-170.198 χ^2/NDF:48.5/40

Out: -566.353+/-165.481 χ^2/NDF:99.9/46

All: -255.279+/-118.645 χ^2/NDF: 155.7/87



Right In: 1107.467+/-0.294 χ^2/NDF: 1506949.1/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1099.072+/-0.280 χ^2/NDF: 2645839.4/21

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

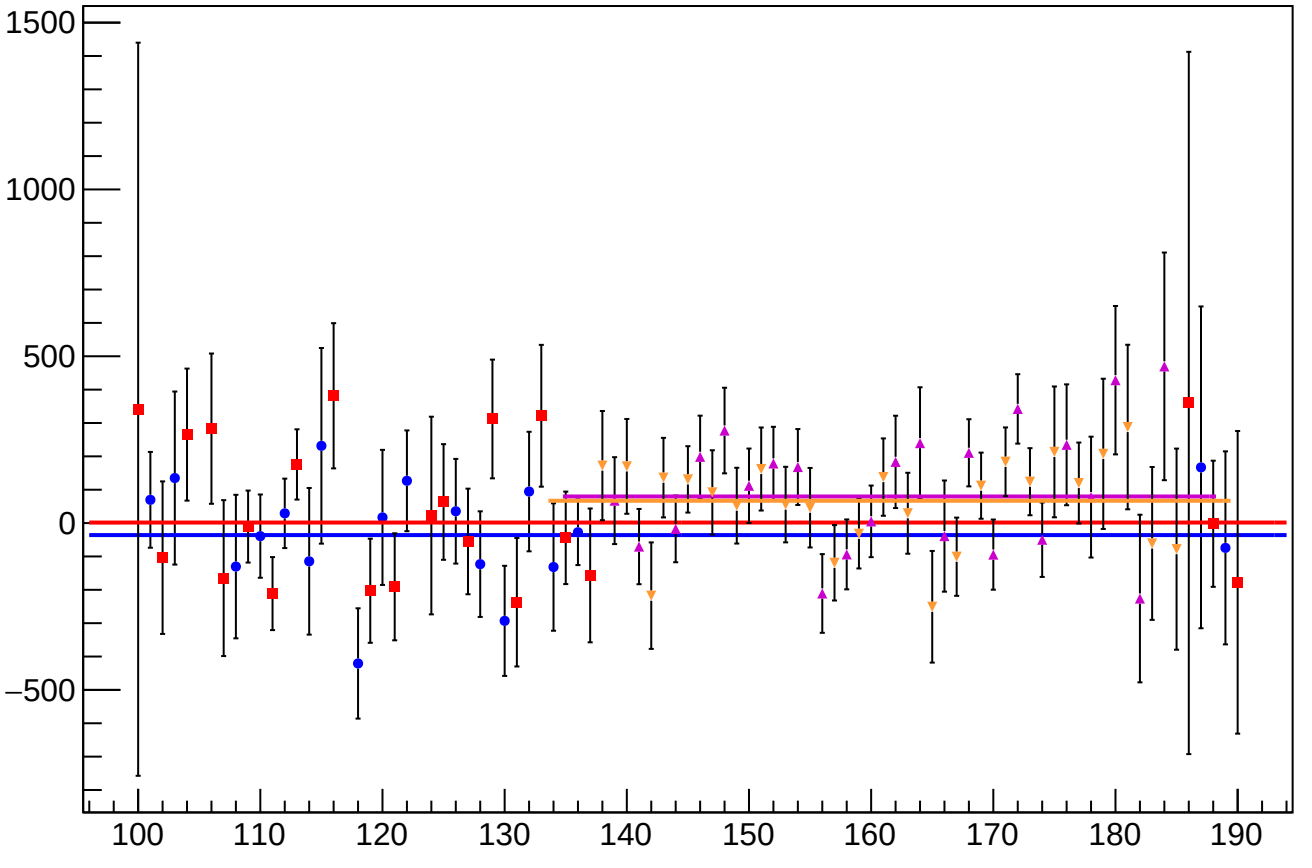
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1103.064+/-0.203 χ^2/NDF: 4153216.9/39

In: 838.982+/-0.120 χ^2/NDF:3574458.0/40

Out: 841.411+/-0.117 χ^2/NDF:4885203.4/46

All: 840.231+/-0.084 χ^2/NDF: 8459870.7/87



Right In: -35.960+/-38.518 χ^2/NDF: 13.1/17

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 1.622+/-37.260 χ^2/NDF: 25.0/21

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

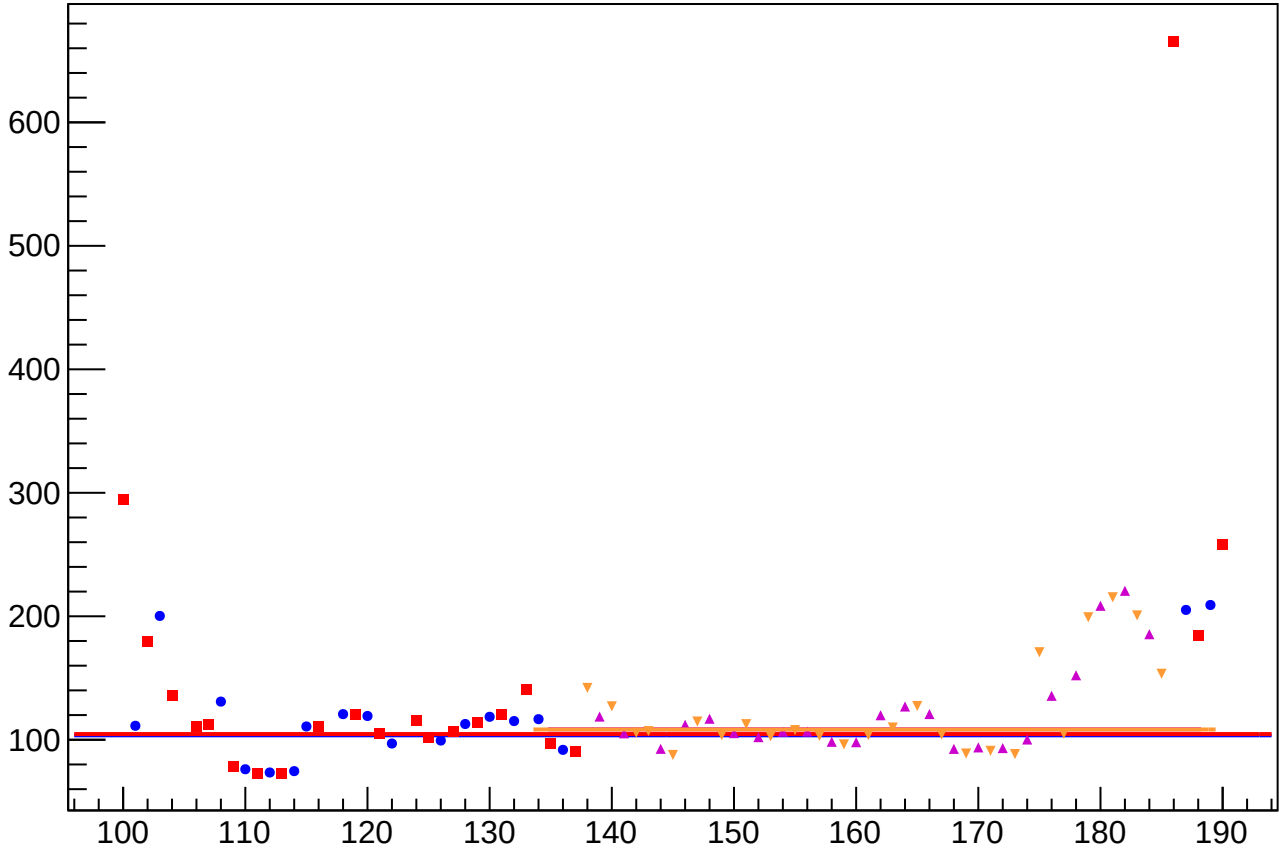
Right: -16.545+/-26.780 χ^2/NDF: 38.6/39

In: 42.971+/-21.719 χ^2/NDF:56.2/40

Out: 45.982+/-21.091 χ^2/NDF:46.7/46

All: 44.521+/-15.131 χ^2/NDF: 102.9/87

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 103.612+/-0.027 χ^2/NDF: 1079710.4/17

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 104.622+/-0.026 χ^2/NDF: 2069289.8/21

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

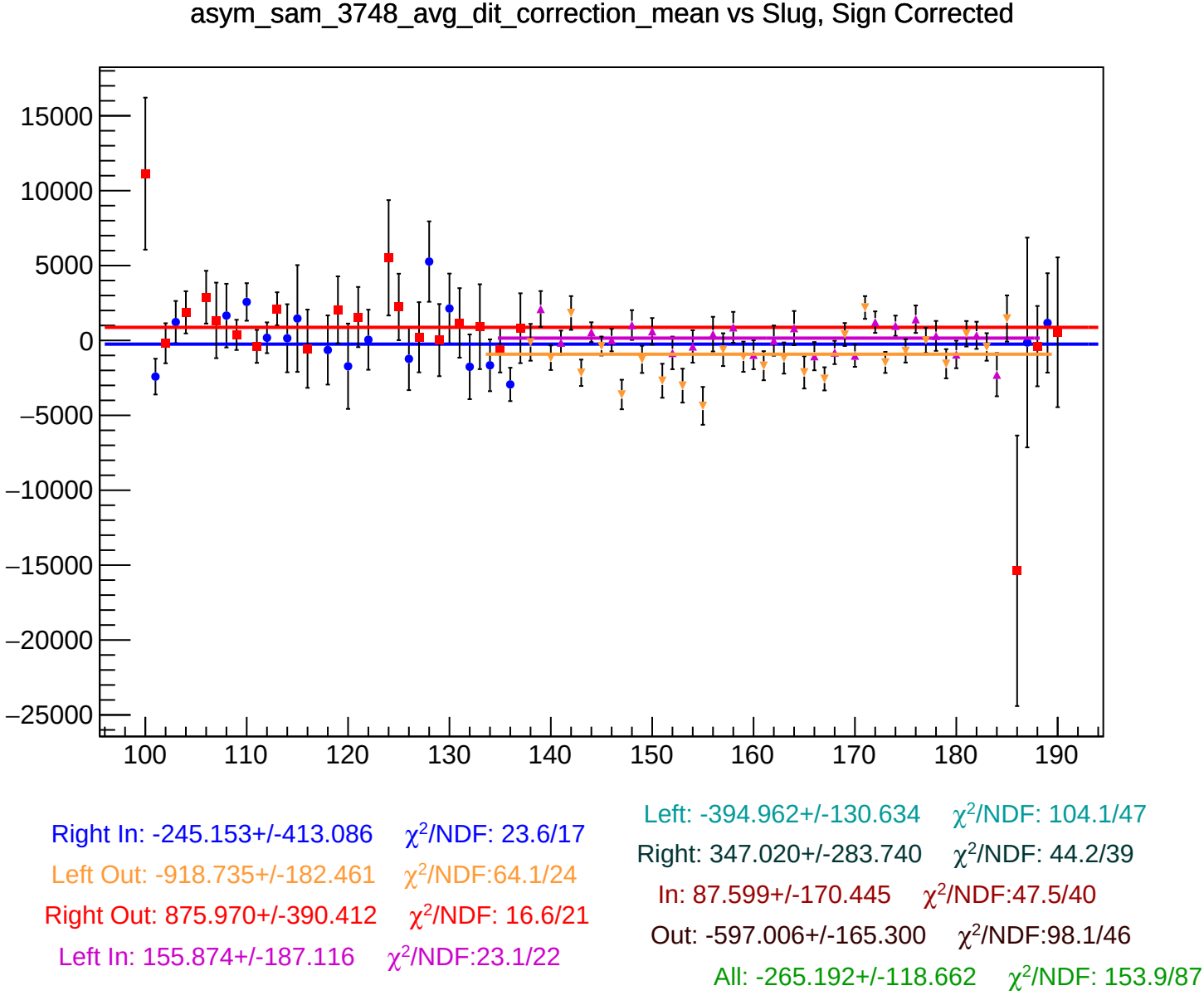
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

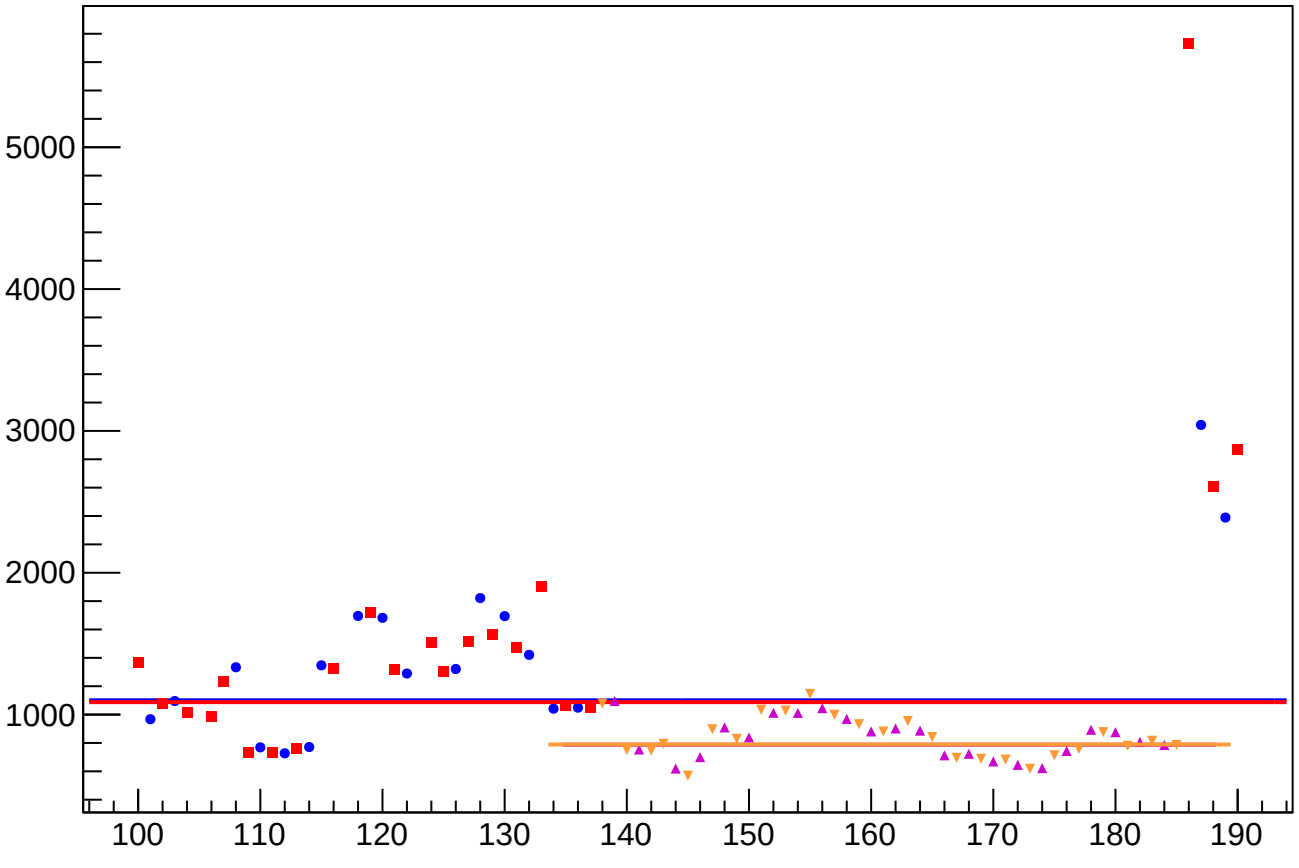
Right: 104.134+/-0.019 χ^2/NDF: 3149710.5/39

In: 106.941+/-0.015 χ^2/NDF:2481007.1/40

Out: 107.142+/-0.015 χ^2/NDF:3857351.3/46

All: 107.044+/-0.011 χ^2/NDF: 6338446.8/87


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -245.153+/-413.086 χ²/NDF: 23.6/17
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 875.970+/-390.412 χ²/NDF: 16.6/21
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 347.020+/-283.740 χ²/NDF: 44.2/39
In: 87.599+/-170.445 χ²/NDF:47.5/40
Out: -597.006+/-165.300 χ²/NDF:98.1/46
All: -265.192+/-118.662 χ²/NDF: 153.9/87



Right In: 1100.691+/-0.292 χ^2/NDF: 1540759.2/17

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1087.933+/-0.276 χ^2/NDF: 2693709.9/21

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

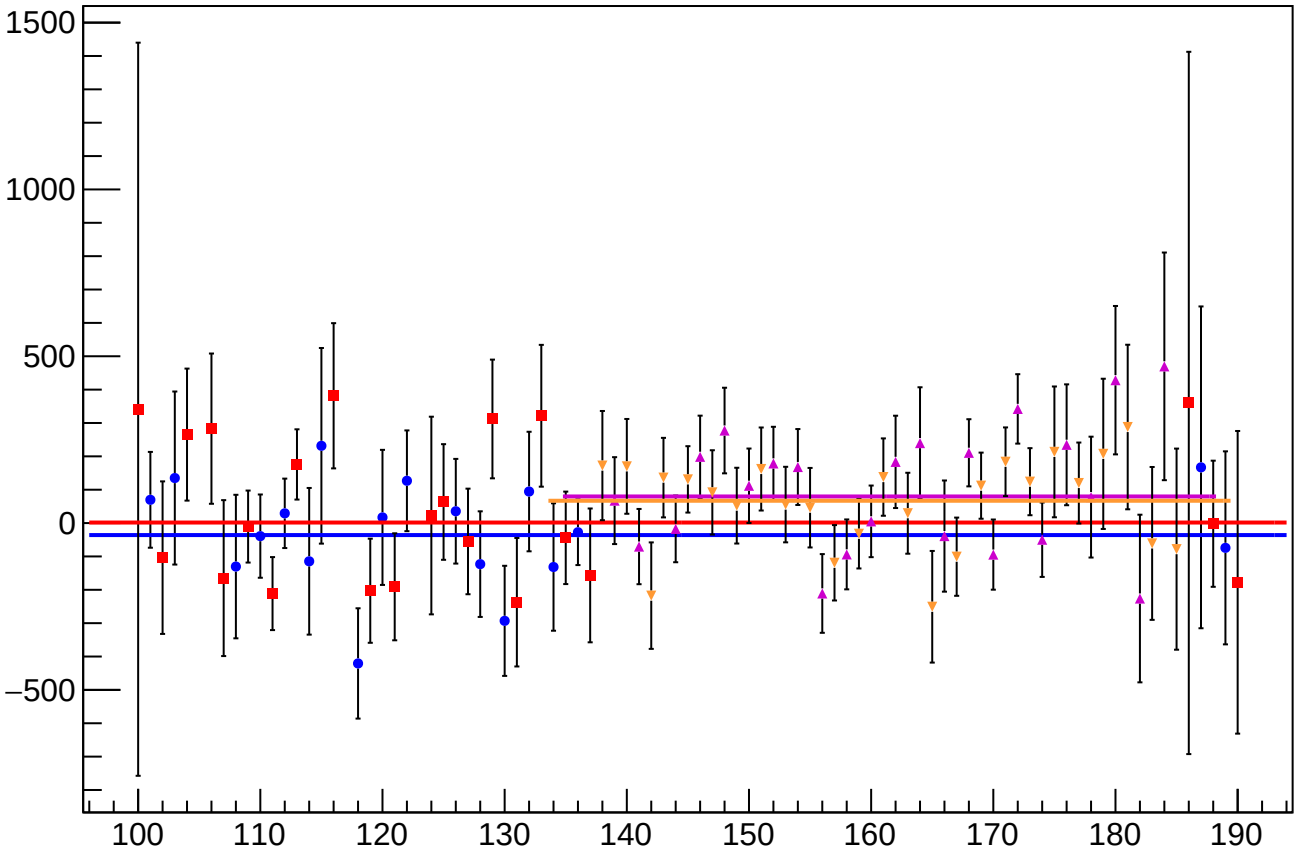
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1093.952+/-0.201 χ^2/NDF: 4235476.8/39

In: 840.729+/-0.121 χ^2/NDF:3536751.0/40

Out: 842.793+/-0.117 χ^2/NDF:4831255.3/46

All: 841.793+/-0.084 χ^2/NDF: 8368157.4/87


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
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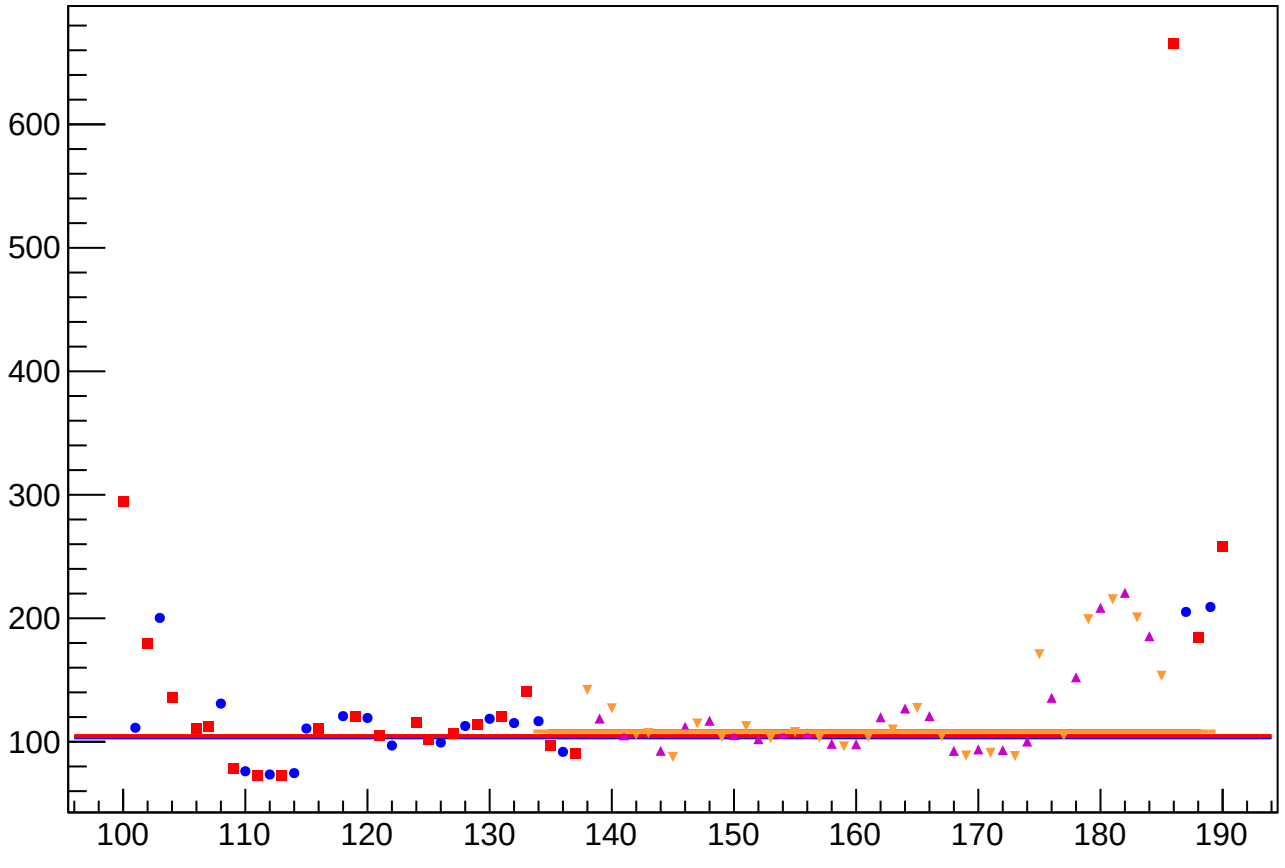
−500
100
110
120
130
140
150
160
170
180
190
Right In: -35.959+/-38.518 χ²/NDF: 13.1/17
Left Out: 66.898+/-25.584 χ²/NDF:19.6/24
Right Out: 1.621+/-37.260 χ²/NDF: 25.0/21
Left In: 79.766+/-26.299 χ²/NDF:36.9/22
Left: 73.154+/-18.338 χ²/NDF: 56.7/47
Right: -16.545+/-26.780 χ²/NDF: 38.6/39
In: 42.971+/-21.719 χ²/NDF:56.2/40
Out: 45.983+/-21.091 χ²/NDF:46.7/46
All: 44.521+/-15.131 χ²/NDF: 102.9/87



Right In: 103.612+/-0.027 χ^2/NDF: 1079708.2/17

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 104.622+/-0.026 χ^2/NDF: 2069297.6/21

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

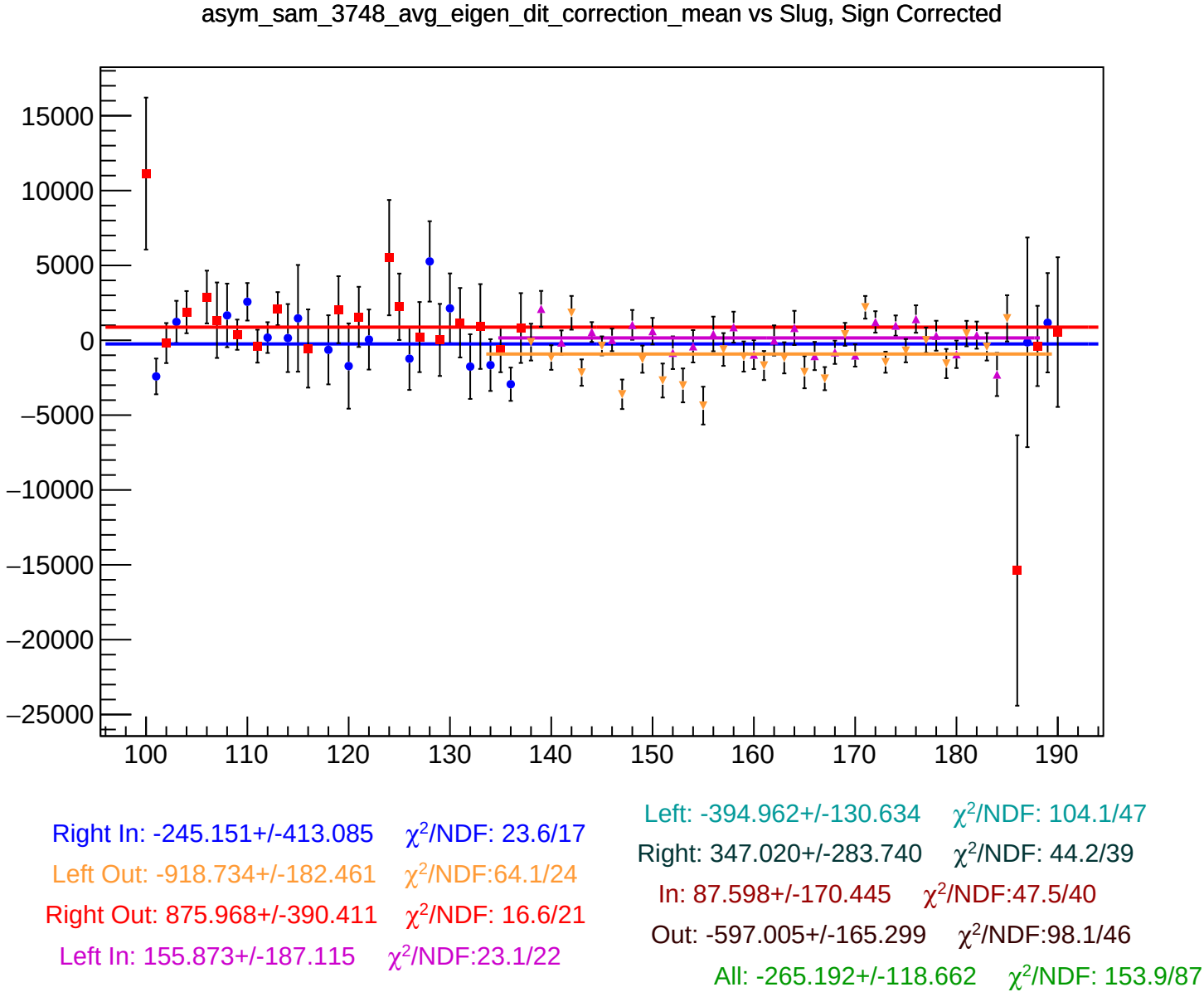
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 104.134+/-0.019 χ^2/NDF: 3149716.1/39

In: 106.941+/-0.015 χ^2/NDF:2480987.5/40

Out: 107.142+/-0.015 χ^2/NDF:3857354.9/46

All: 107.045+/-0.011 χ^2/NDF: 6338430.8/87


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
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−5000
−10000
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−25000
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130
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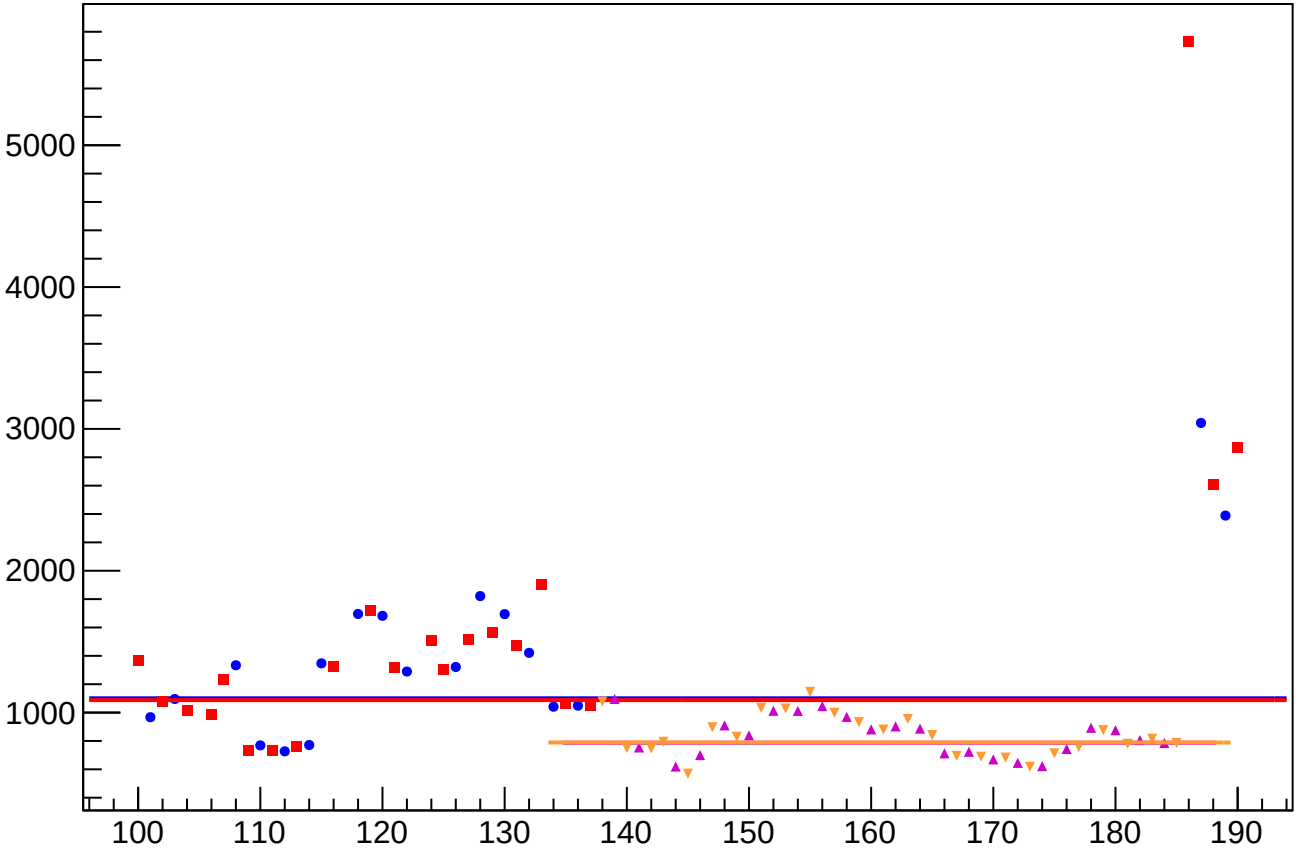
170
180
190
Right In: -245.151+/-413.085 χ²/NDF: 23.6/17
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 875.968+/-390.411 χ²/NDF: 16.6/21
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 347.020+/-283.740 χ²/NDF: 44.2/39
In: 87.598+/-170.445 χ²/NDF:47.5/40
Out: -597.005+/-165.299 χ²/NDF:98.1/46
All: -265.192+/-118.662 χ²/NDF: 153.9/87

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1100.689+/-0.292 χ^2/NDF: 1540765.2/17

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1087.931+/-0.276 χ^2/NDF: 2693711.9/21

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

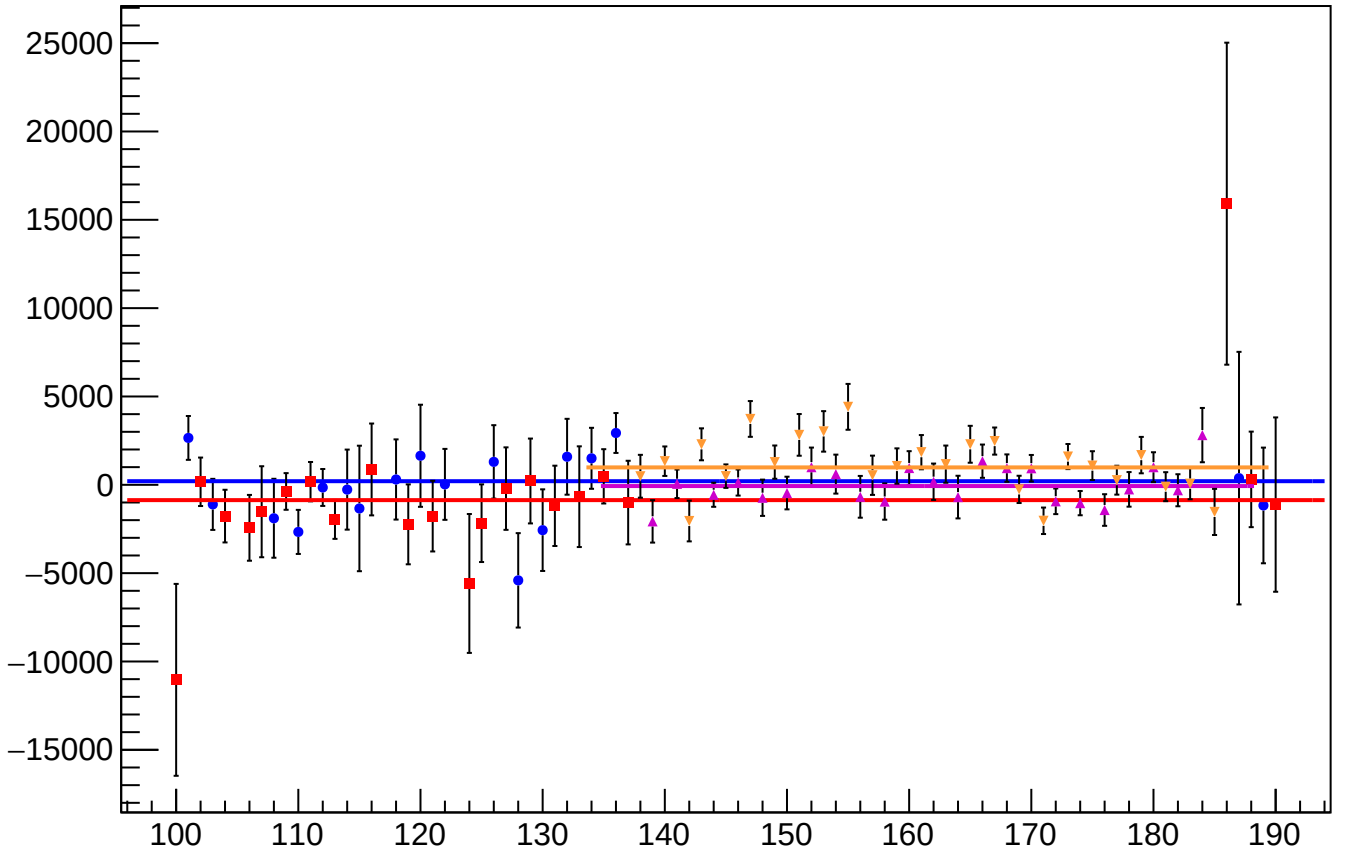
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1093.951+/-0.201 χ^2/NDF: 4235484.7/39

In: 840.728+/-0.121 χ^2/NDF:3536756.5/40

Out: 842.792+/-0.117 χ^2/NDF:4831261.0/46

All: 841.792+/-0.084 χ^2/NDF: 8368168.6/87



Right In: 205.302+/-417.664 χ^2/NDF: 24.6/17

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -866.420+/-397.023 χ^2/NDF: 14.8/21

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

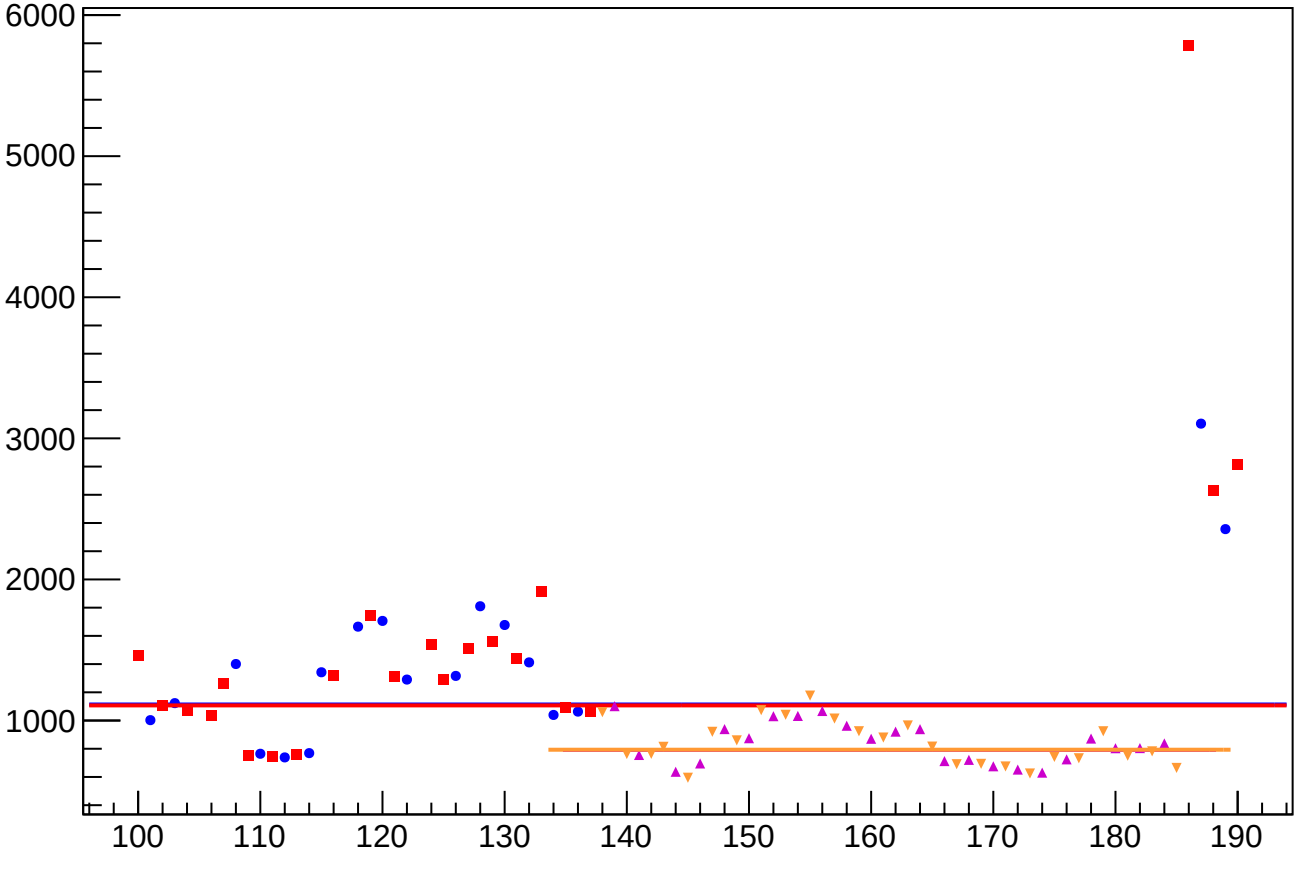
Right: -357.695+/-287.758 χ^2/NDF: 42.9/39

In: -23.678+/-171.460 χ^2/NDF:49.4/40

Out: 659.361+/-166.645 χ^2/NDF:96.4/46

All: 327.568+/-119.502 χ^2/NDF: 154.0/87

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1113.709+/-0.295 χ^2/NDF: 1499434.1/17

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1107.254+/-0.281 χ^2/NDF: 2632493.8/21

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

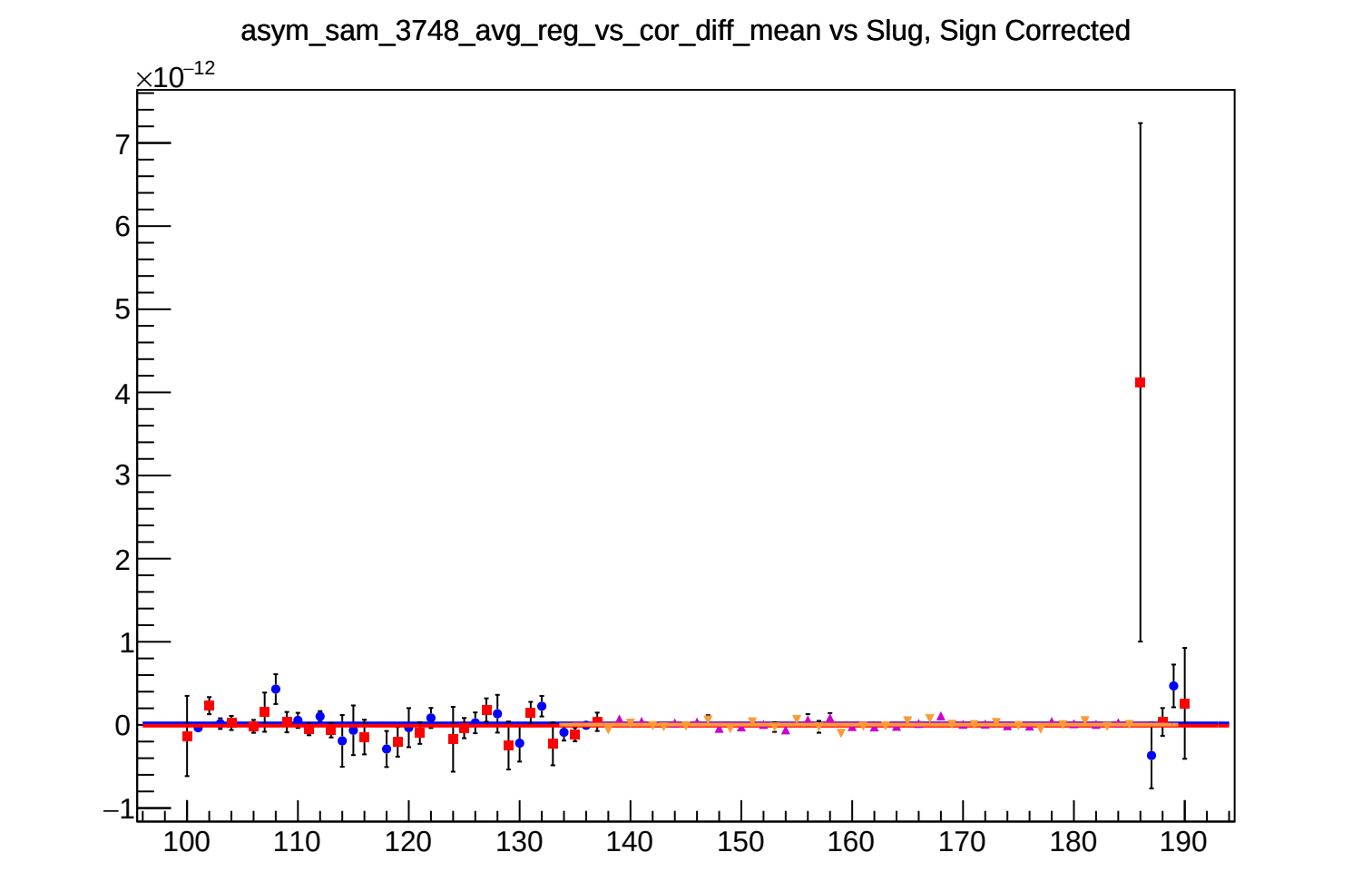
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1110.318+/-0.203 χ^2/NDF: 4132178.8/39

In: 845.515+/-0.121 χ^2/NDF:3540347.9/40

Out: 848.407+/-0.118 χ^2/NDF:4858403.9/46

All: 847.002+/-0.085 χ^2/NDF: 8399044.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/21

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

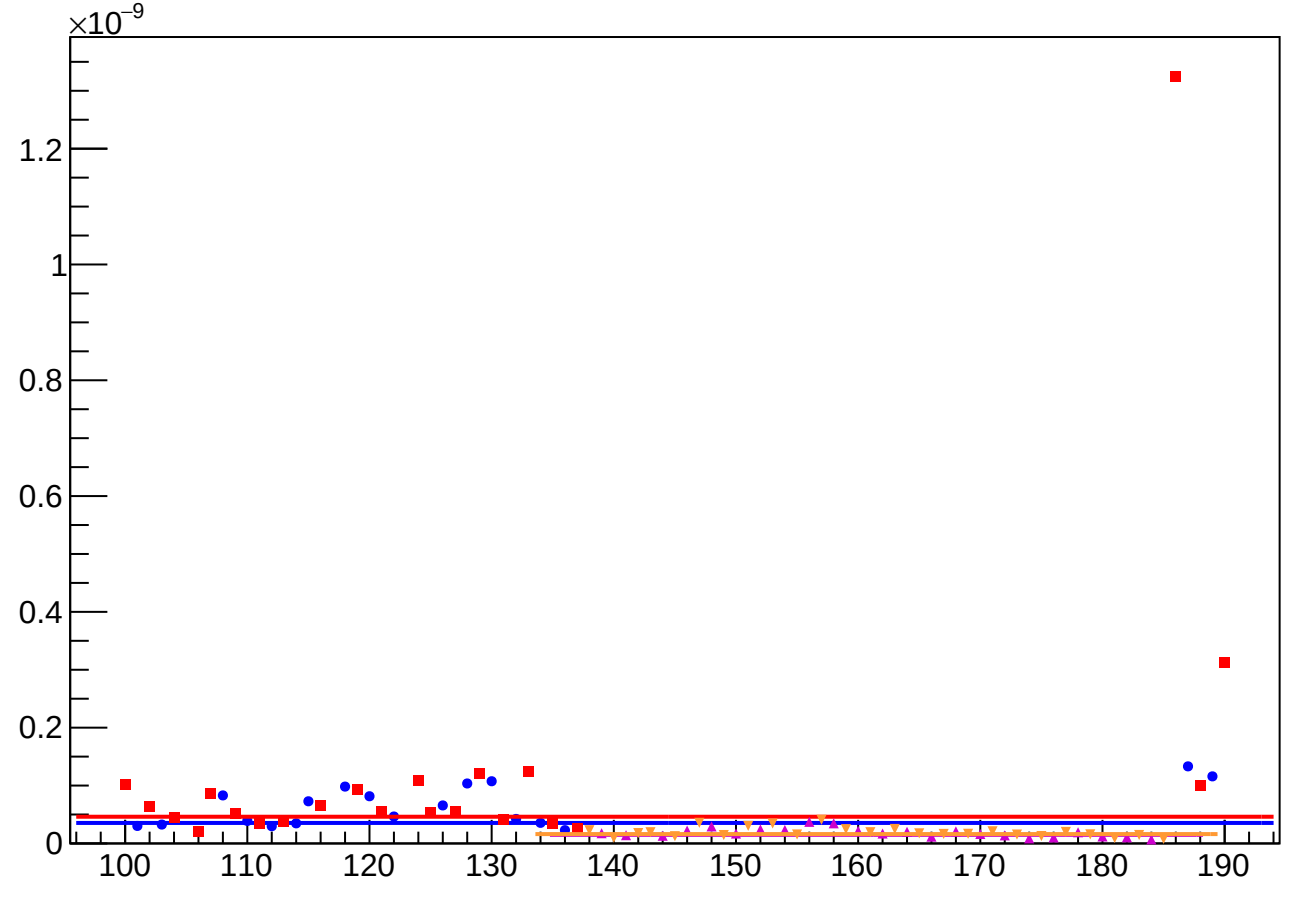
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 39.4/39

In: 0.000+/-0.000 χ^2/NDF:46.3/40

Out: 0.000+/-0.000 χ^2/NDF:52.0/46

All: 0.000+/-0.000 χ^2/NDF: 99.6/87



Right In: 0.000+/-0.000 χ^2/NDF: 1510668.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1948929.6/21

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

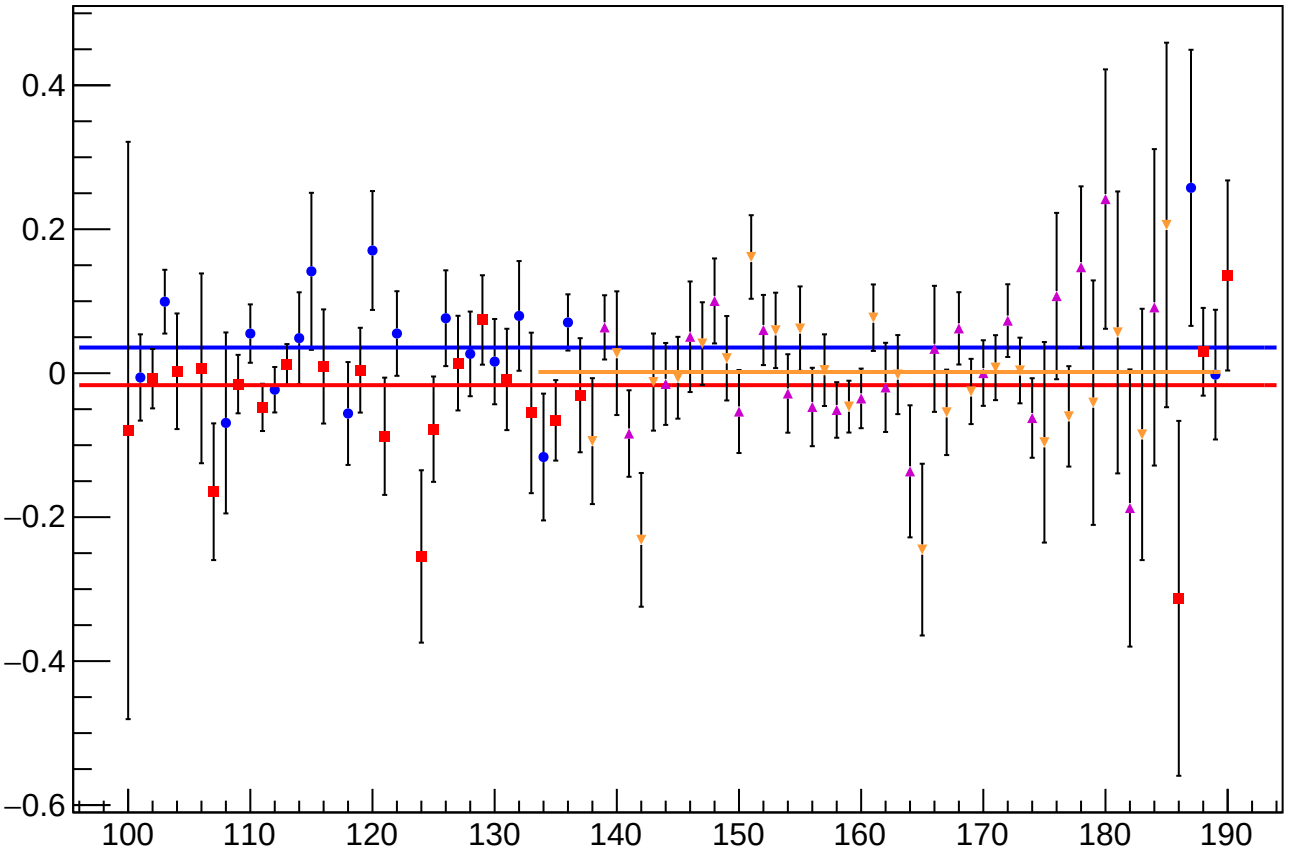
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3655341.4/39

In: 0.000+/-0.000 χ^2/NDF:4823491.9/40

Out: 0.000+/-0.000 χ^2/NDF:6084896.3/46

All: 0.000+/-0.000 χ^2/NDF: 10956287.9/87



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.017+/-0.013 χ^2/NDF: 16.8/21

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

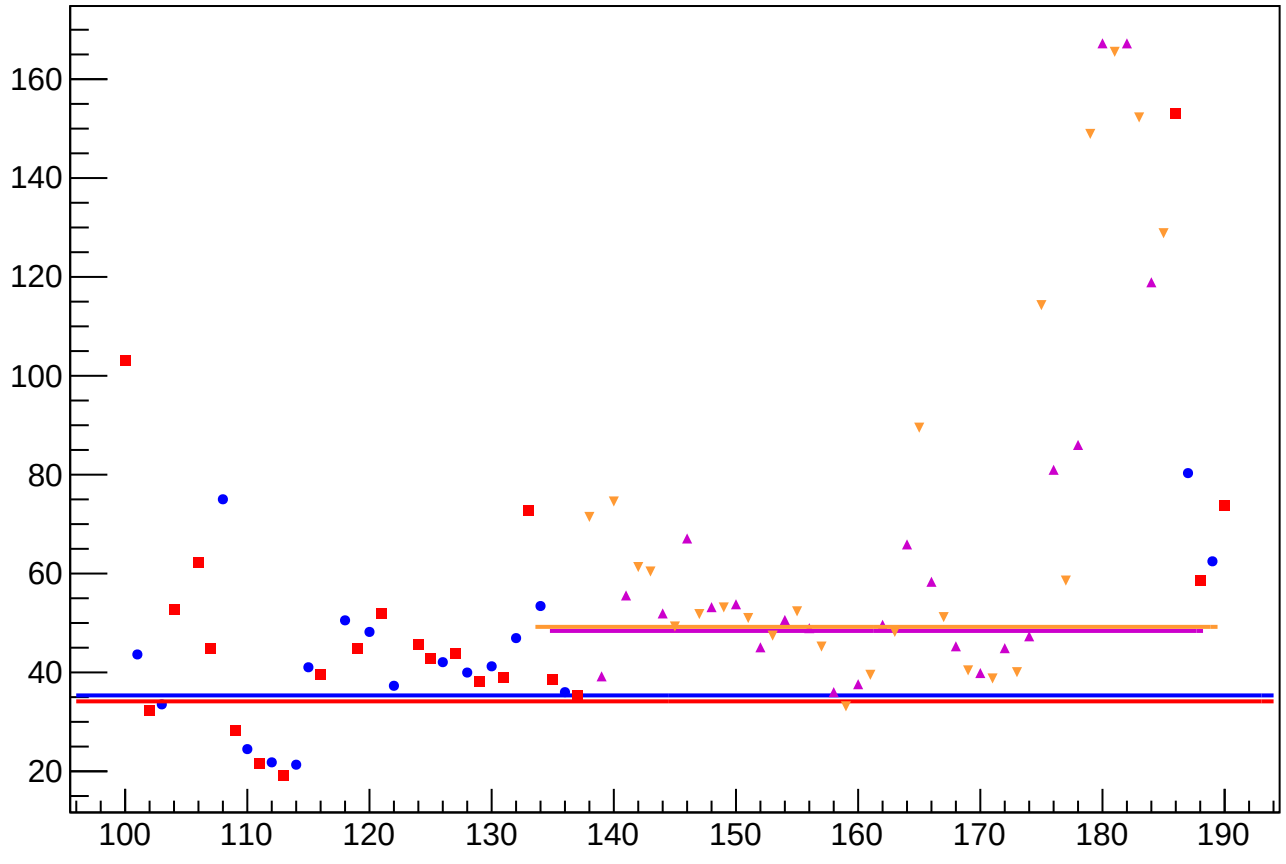
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.008+/-0.009 χ^2/NDF: 43.0/39

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.007+/-0.009 χ^2/NDF:48.3/46

All: 0.004+/-0.006 χ^2/NDF: 99.7/87



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 34.147+/-0.009 χ^2/NDF: 2679706.4/21

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

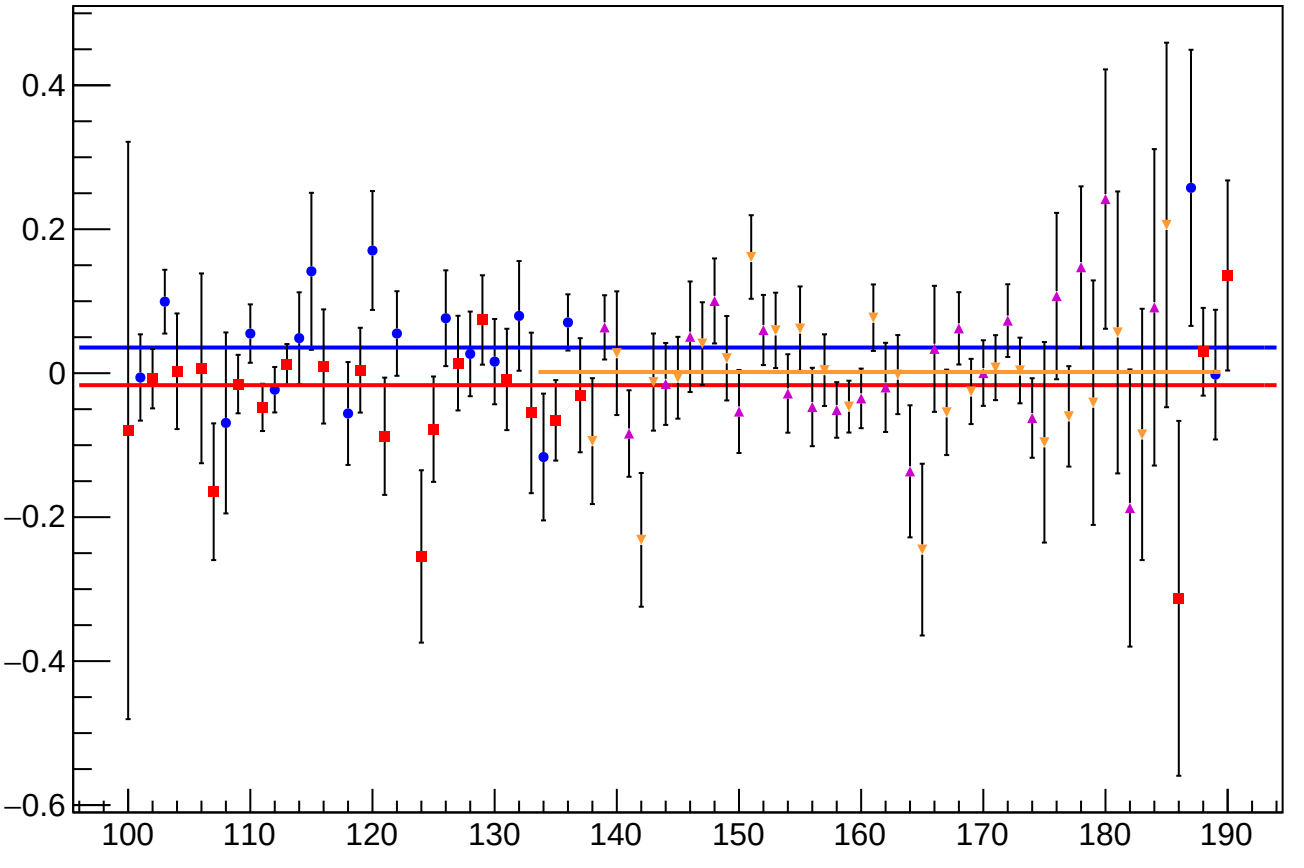
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 34.705+/-0.007 χ^2/NDF: 4158488.7/39

In: 42.531+/-0.006 χ^2/NDF:5502936.9/40

Out: 41.955+/-0.006 χ^2/NDF:8298515.0/46

All: 42.232+/-0.005 χ^2/NDF: 13805536.4/87



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.017+/-0.013 χ^2/NDF: 16.8/21

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

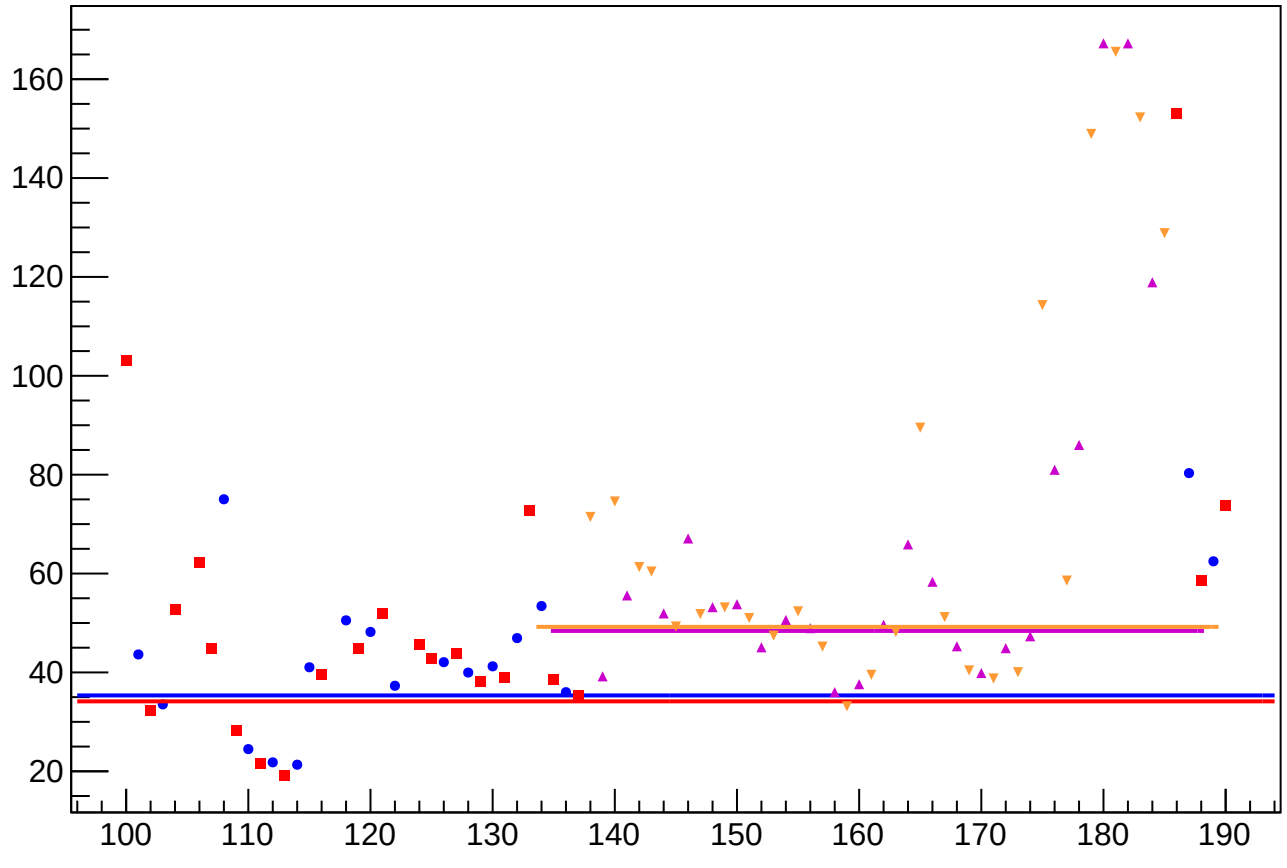
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.008+/-0.009 χ^2/NDF: 43.0/39

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.007+/-0.009 χ^2/NDF:48.3/46

All: 0.004+/-0.006 χ^2/NDF: 99.7/87



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 34.147+/-0.009 χ^2/NDF: 2679706.4/21

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

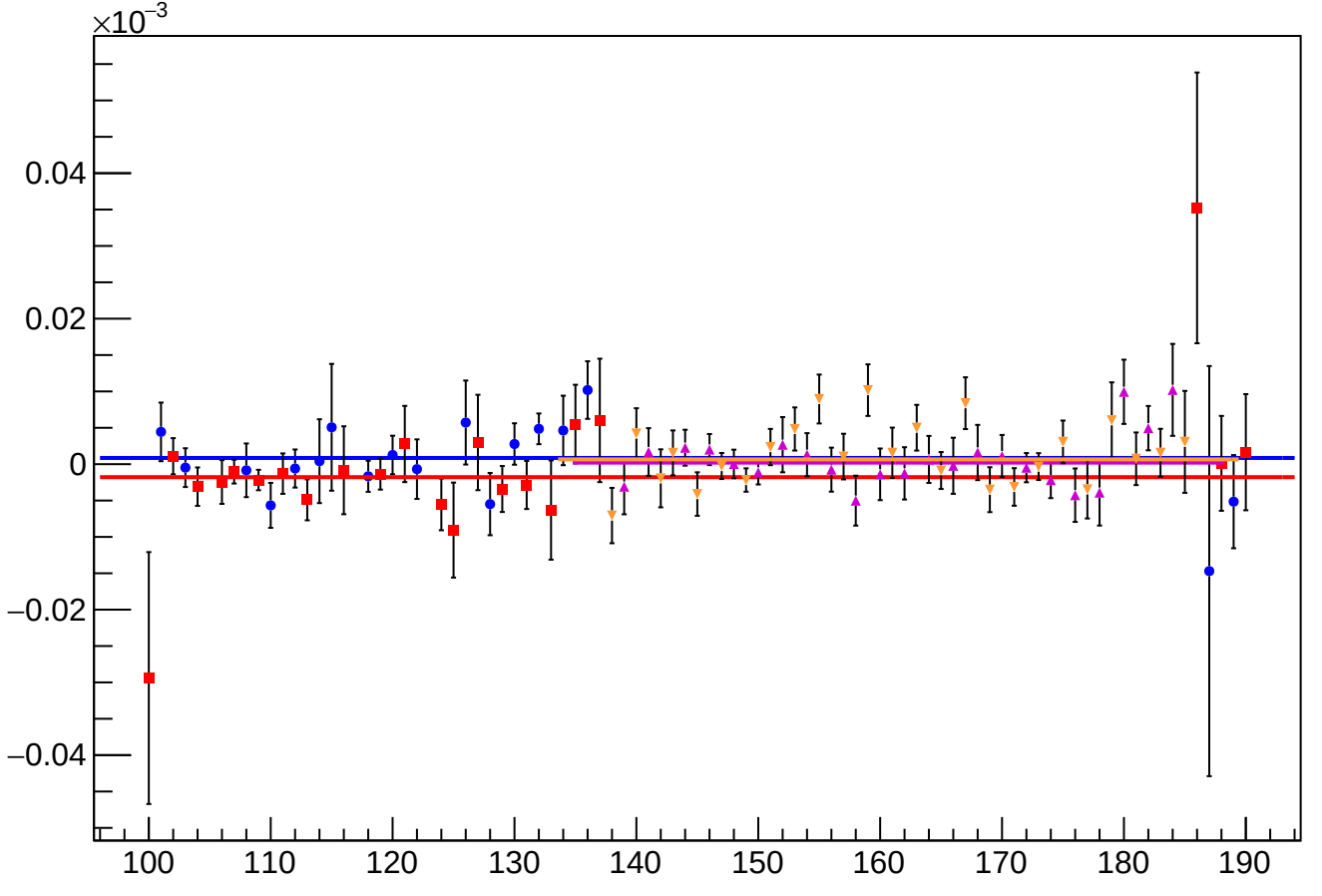
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 34.705+/-0.007 χ^2/NDF: 4158488.7/39

In: 42.531+/-0.006 χ^2/NDF:5502936.9/40

Out: 41.955+/-0.006 χ^2/NDF:8298515.0/46

All: 42.232+/-0.005 χ^2/NDF: 13805536.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/21

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

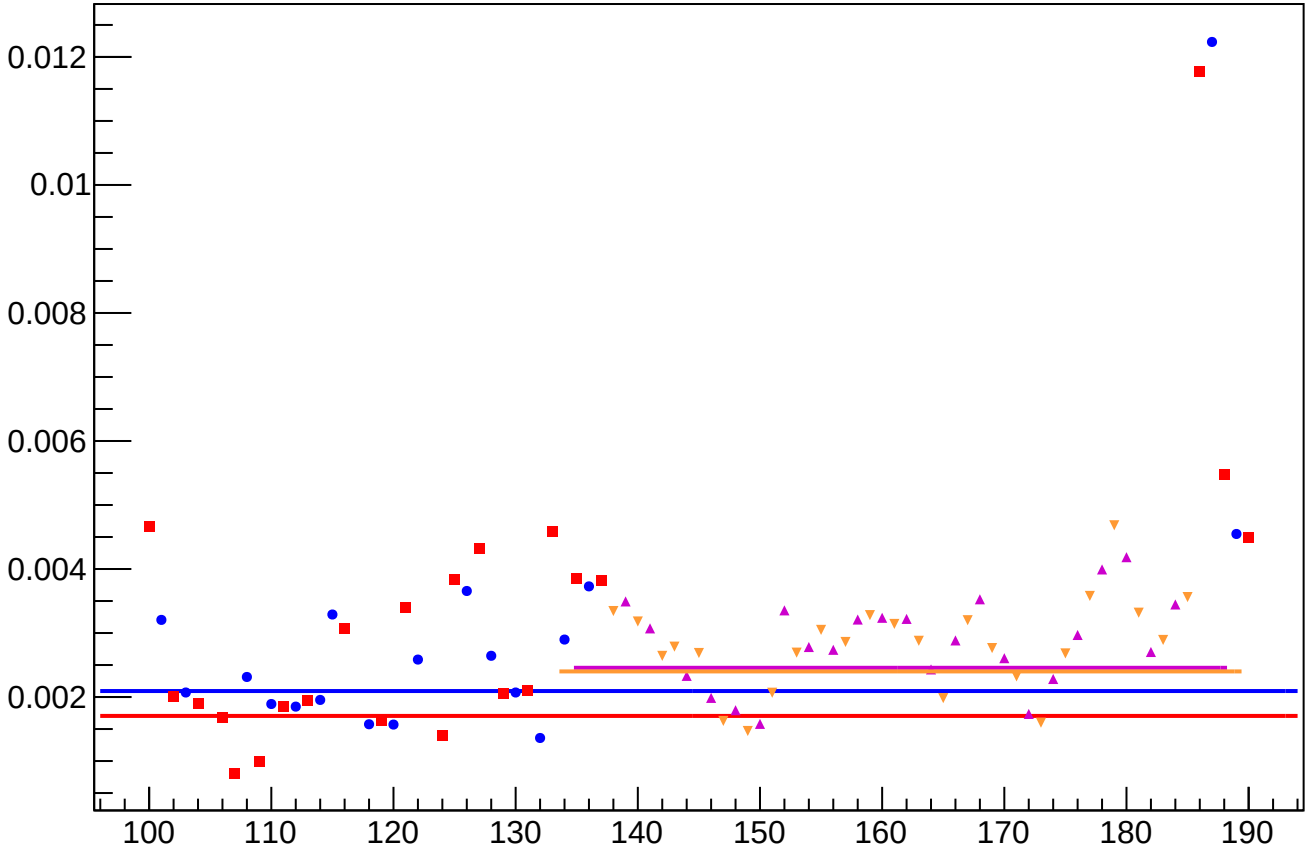
Right: -0.000+/-0.000 χ^2/NDF: 45.7/39

In: 0.000+/-0.000 χ^2/NDF:42.3/40

Out: -0.000+/-0.000 χ^2/NDF:66.6/46

All: -0.000+/-0.000 χ^2/NDF: 110.5/87

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1820006.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4447614.0/21

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

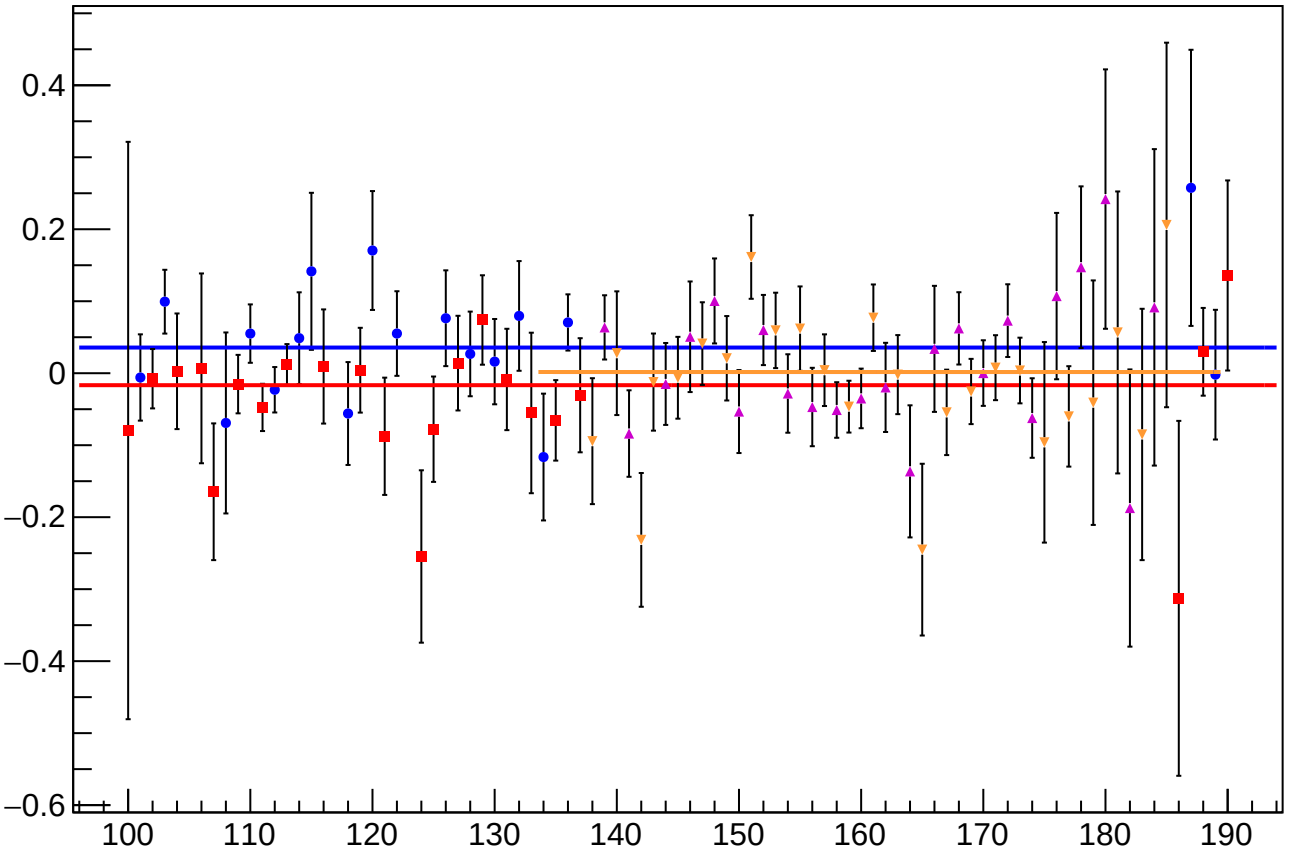
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 6546489.9/39

In: 0.002+/-0.000 χ^2/NDF:4712147.3/40

Out: 0.002+/-0.000 χ^2/NDF:8828197.0/46

All: 0.002+/-0.000 χ^2/NDF: 13776443.0/87



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.017+/-0.013 χ^2/NDF: 16.8/21

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

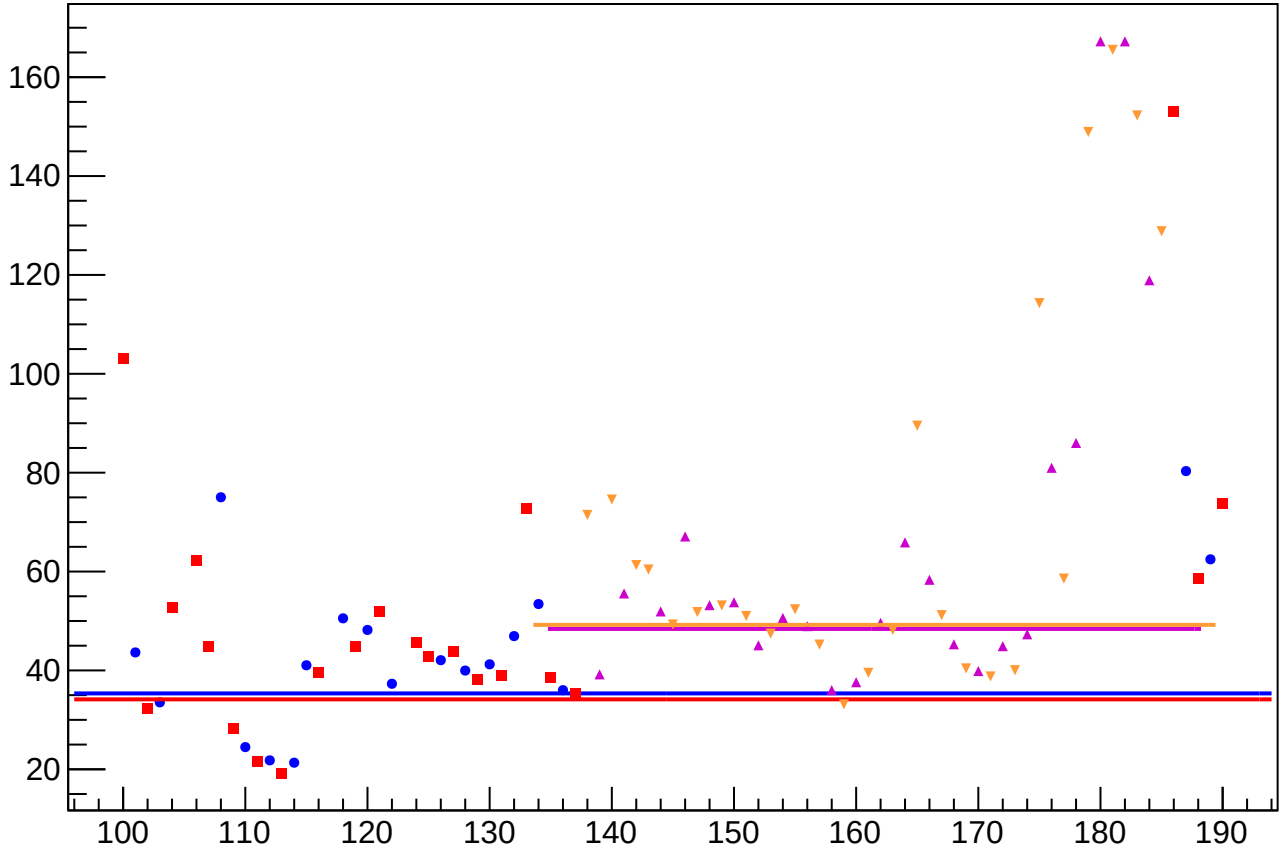
Right: 0.008+/-0.009 χ^2/NDF: 43.0/39

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.007+/-0.009 χ^2/NDF:48.3/46

All: 0.004+/-0.006 χ^2/NDF: 99.7/87

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 34.148+/-0.009 χ^2/NDF: 2679701.0/21

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

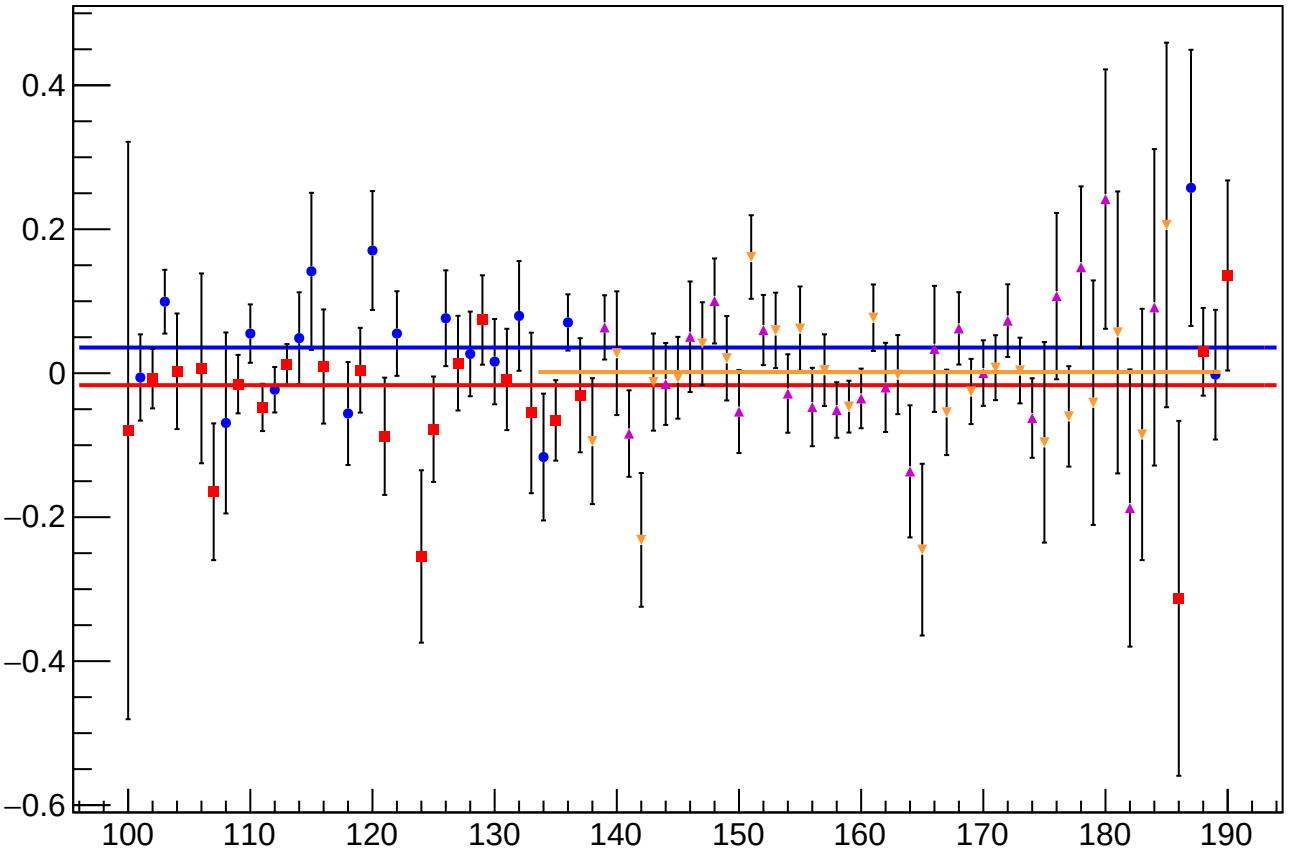
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 34.706+/-0.007 χ^2/NDF: 4158427.0/39

In: 42.532+/-0.006 χ^2/NDF:5502864.1/40

Out: 41.955+/-0.006 χ^2/NDF:8298481.8/46

All: 42.233+/-0.005 χ^2/NDF: 13805429.5/87



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.017+/-0.013 χ^2/NDF: 16.8/21

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

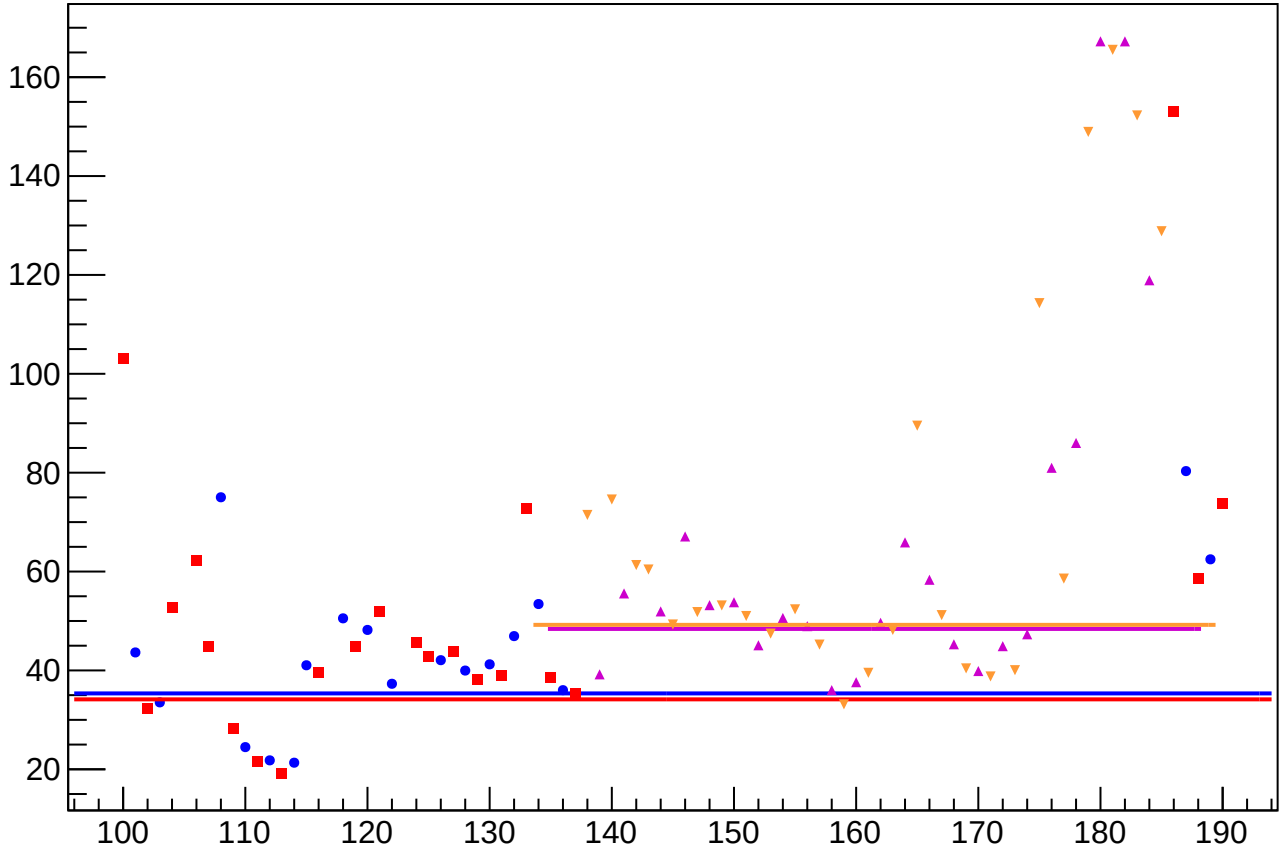
Right: 0.008+/-0.009 χ^2/NDF: 43.0/39

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.007+/-0.009 χ^2/NDF:48.3/46

All: 0.004+/-0.006 χ^2/NDF: 99.7/87

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 34.148+/-0.009 χ^2/NDF: 2679701.0/21

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

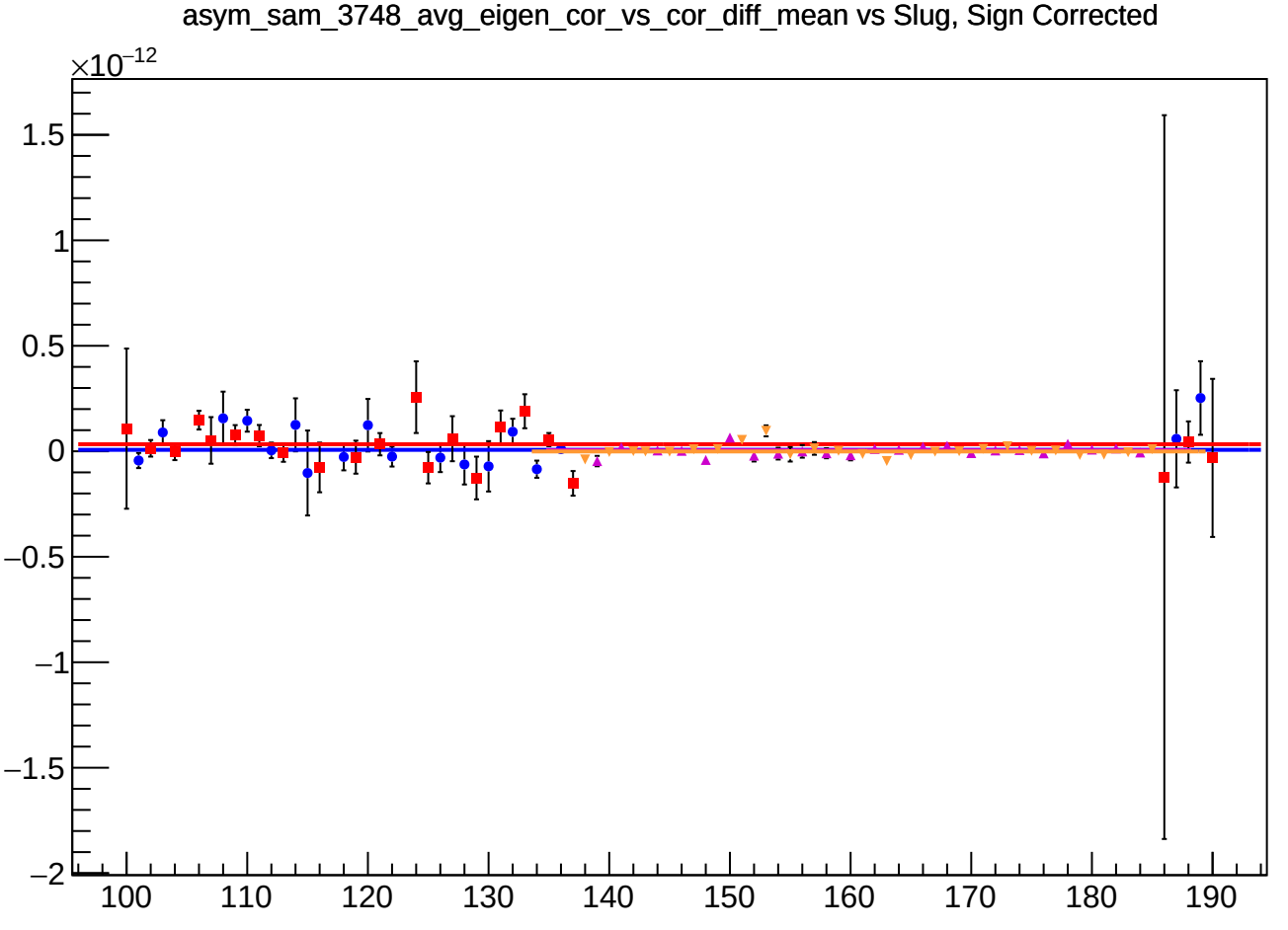
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 34.706+/-0.007 χ^2/NDF: 4158427.0/39

In: 42.532+/-0.006 χ^2/NDF:5502864.1/40

Out: 41.955+/-0.006 χ^2/NDF:8298481.8/46

All: 42.233+/-0.005 χ^2/NDF: 13805429.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/21

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

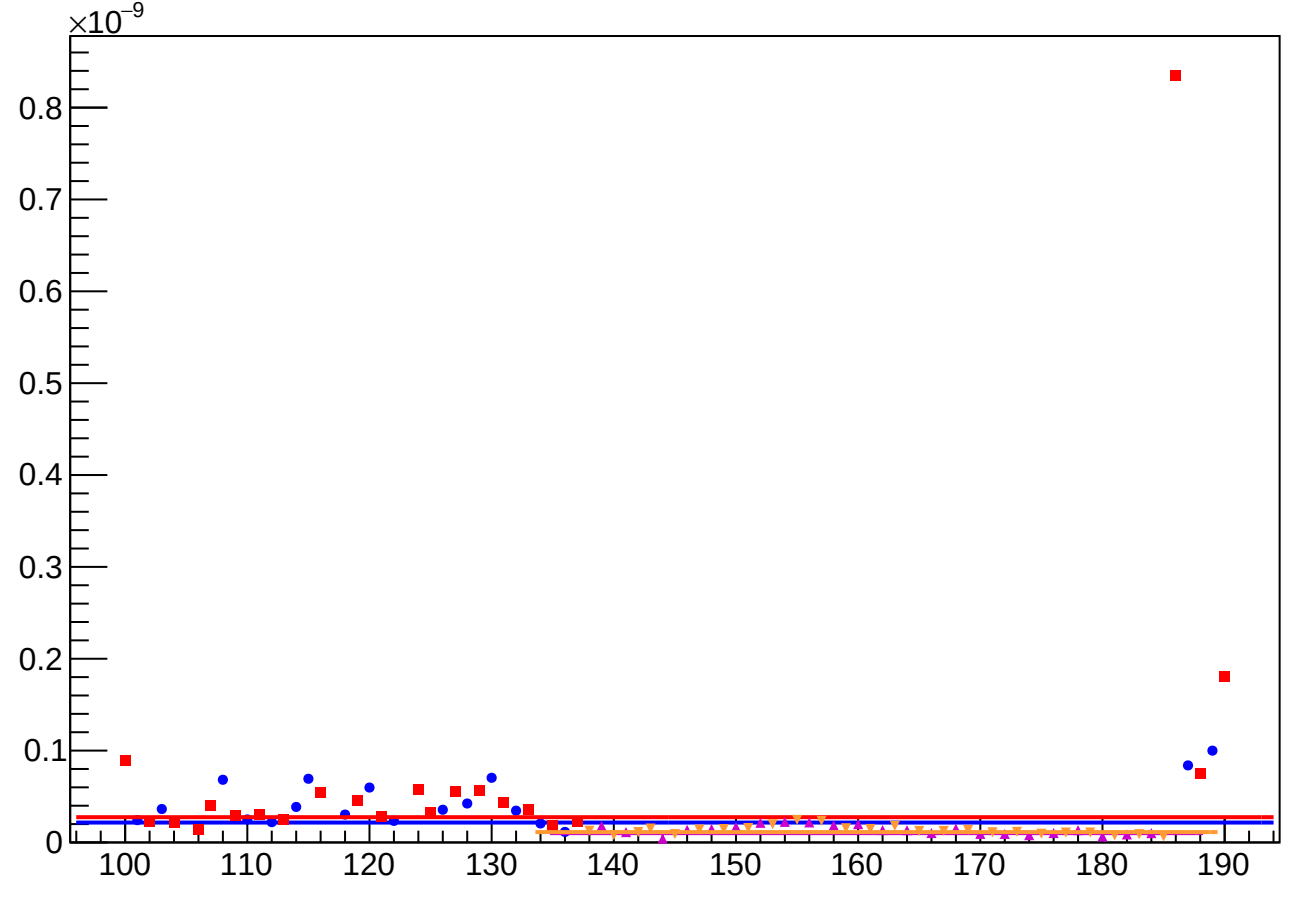
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 61.5/39

In: 0.000+/-0.000 χ^2/NDF:54.1/40

Out: 0.000+/-0.000 χ^2/NDF:77.1/46

All: 0.000+/-0.000 χ^2/NDF: 132.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 2633976.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2474347.7/21

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

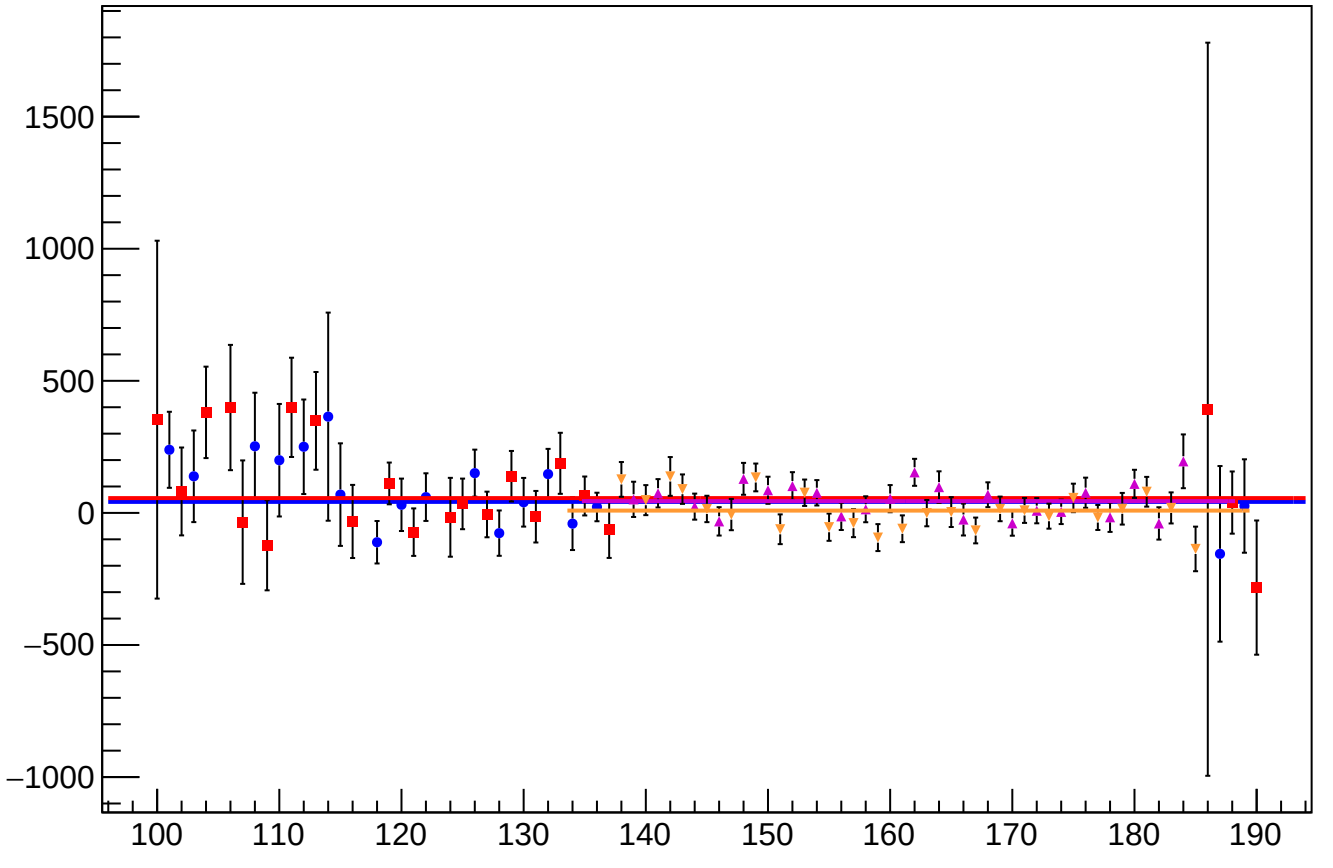
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5339218.3/39

In: 0.000+/-0.000 χ^2/NDF:8560815.6/40

Out: 0.000+/-0.000 χ^2/NDF:7641687.1/46

All: 0.000+/-0.000 χ^2/NDF: 16374452.6/87



Right In: 41.731+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 56.029+/-26.076 χ^2/NDF: 22.3/21

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

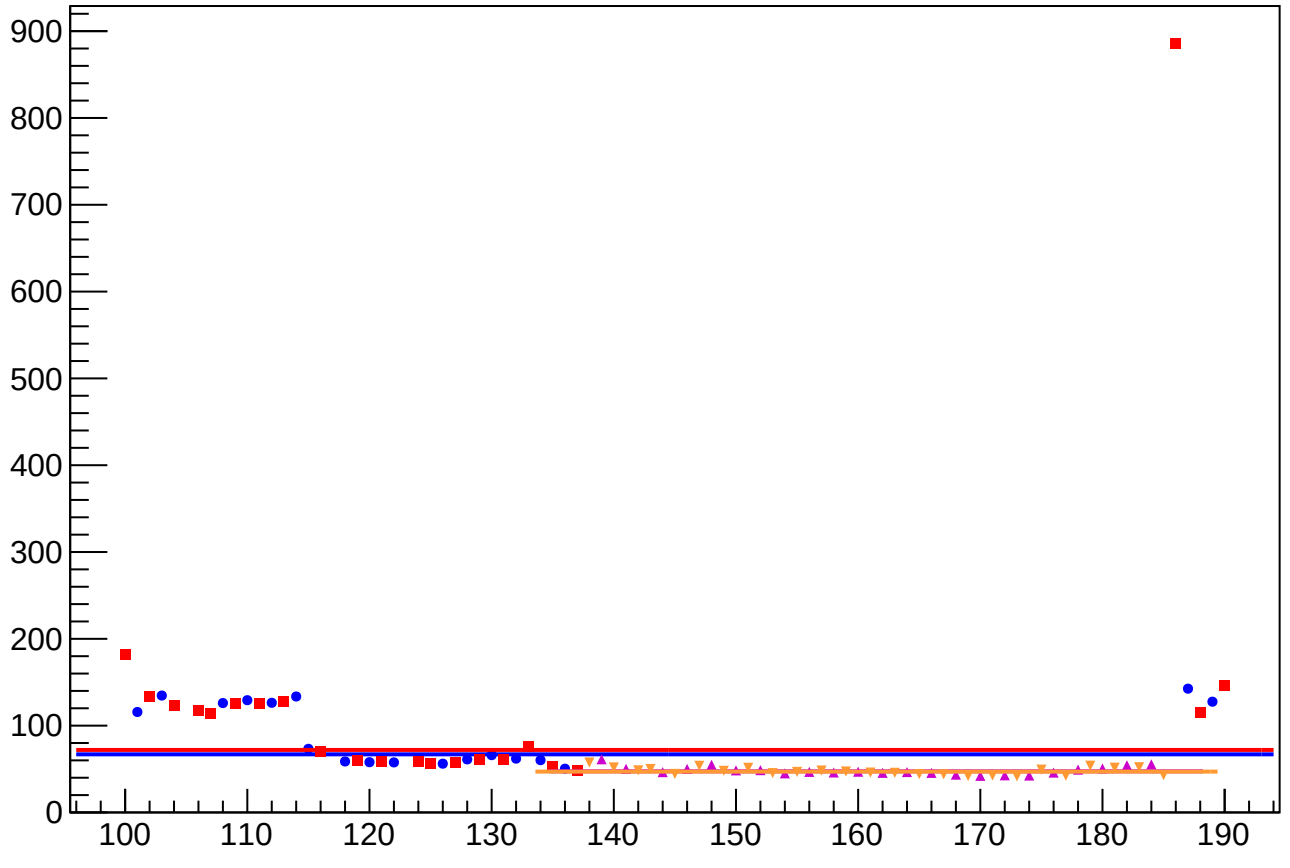
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 48.702+/-18.208 χ^2/NDF: 37.8/39

In: 44.088+/-10.211 χ^2/NDF:42.3/40

Out: 15.644+/-9.954 χ^2/NDF:59.7/46

All: 29.504+/-7.128 χ^2/NDF: 106.0/87



Right In: 66.957+/-0.018 χ^2/NDF: 1794470.9/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 72.015+/-0.018 χ^2/NDF: 2790785.6/21

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

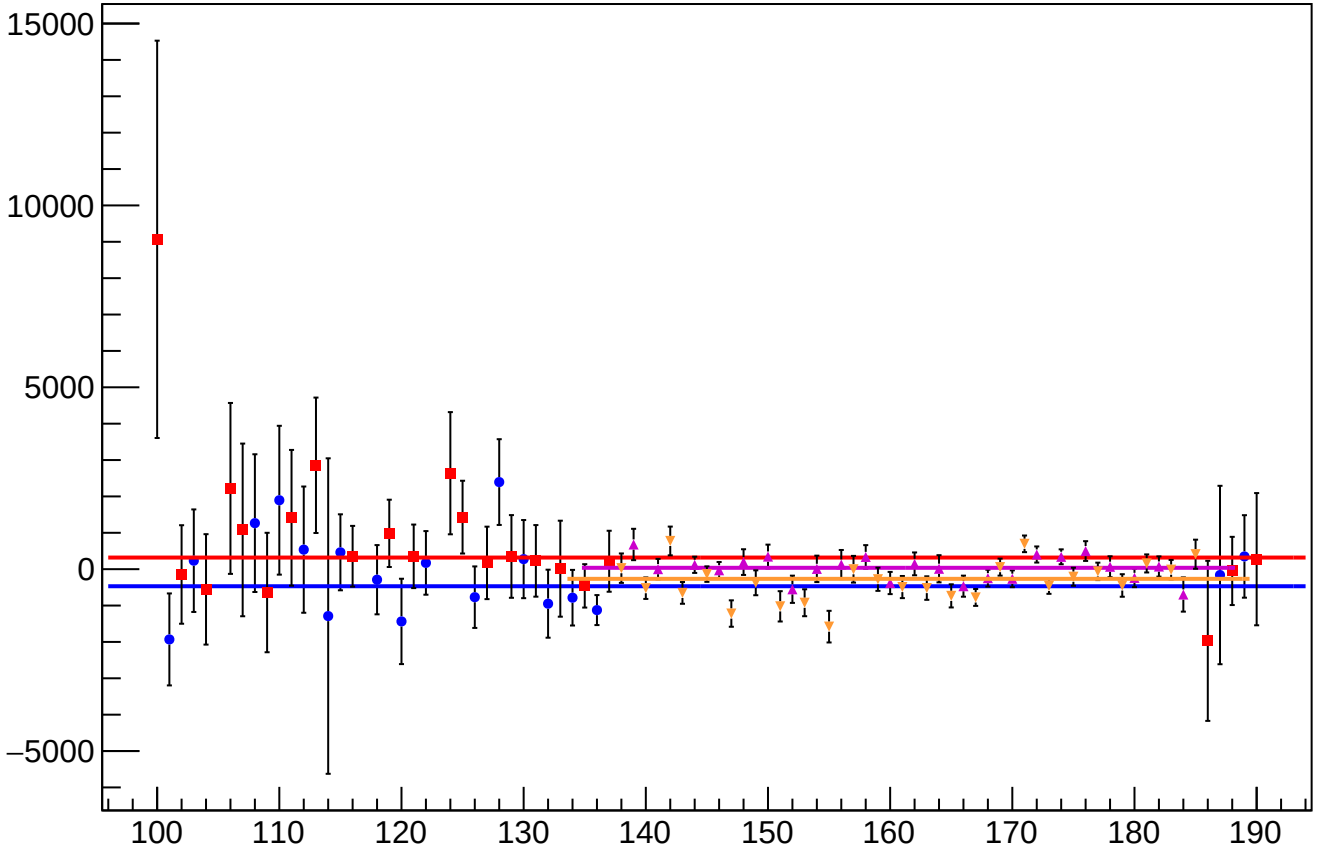
Right: 69.423+/-0.013 χ^2/NDF: 4623823.7/39

In: 50.538+/-0.007 χ^2/NDF:3058926.5/40

Out: 50.700+/-0.007 χ^2/NDF:4642737.2/46

All: 50.621+/-0.005 χ^2/NDF: 7701922.6/87

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -469.270+/-230.905 χ^2/NDF: 16.2/17

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 319.373+/-243.562 χ^2/NDF: 13.0/21

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

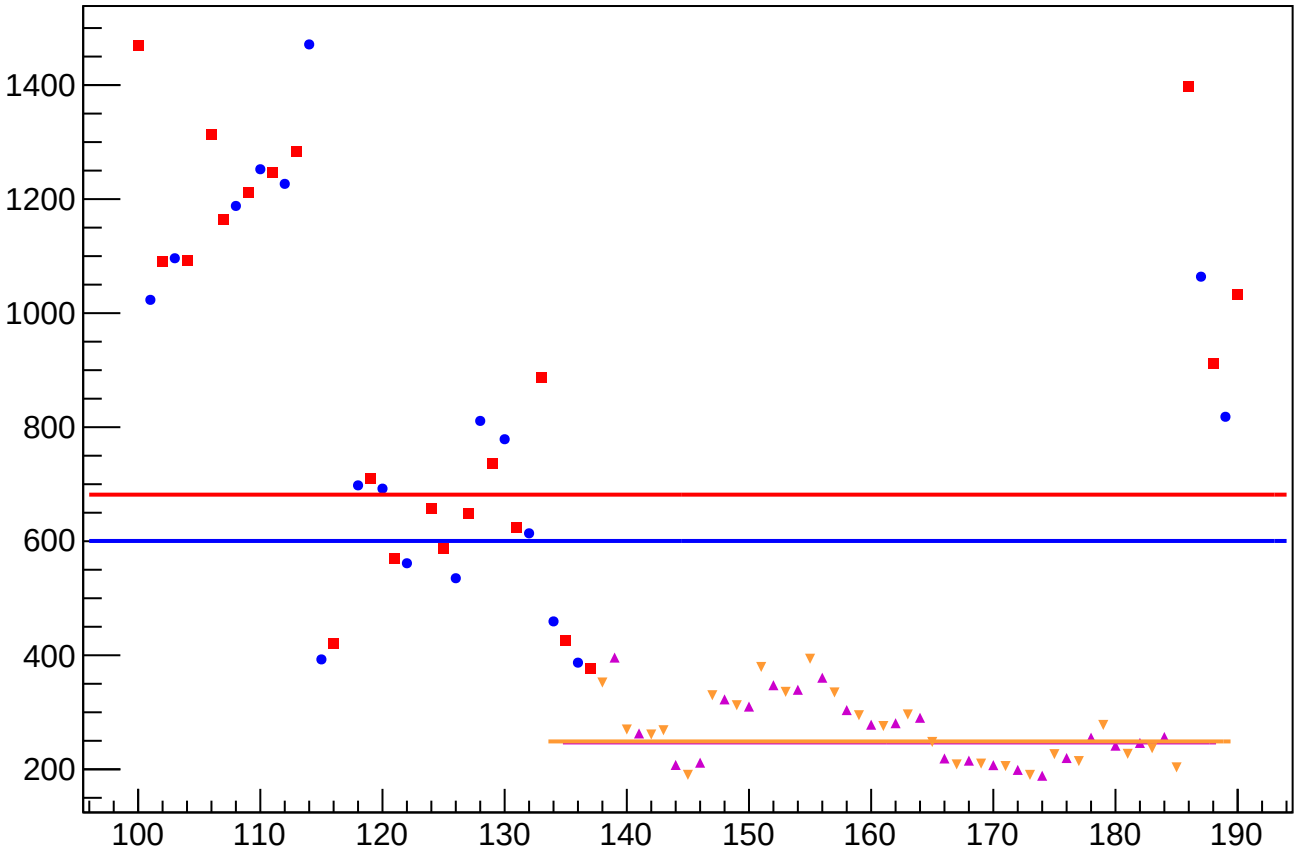
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -95.970+/-167.570 χ^2/NDF: 34.7/39

In: 6.312+/-57.308 χ^2/NDF:47.3/40

Out: -234.255+/-56.451 χ^2/NDF:88.3/46

All: -115.785+/-40.217 χ^2/NDF: 144.6/87



Right In: 600.479+/-0.163 χ^2/NDF: 2205147.8/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 681.691+/-0.172 χ^2/NDF: 2548125.7/21

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

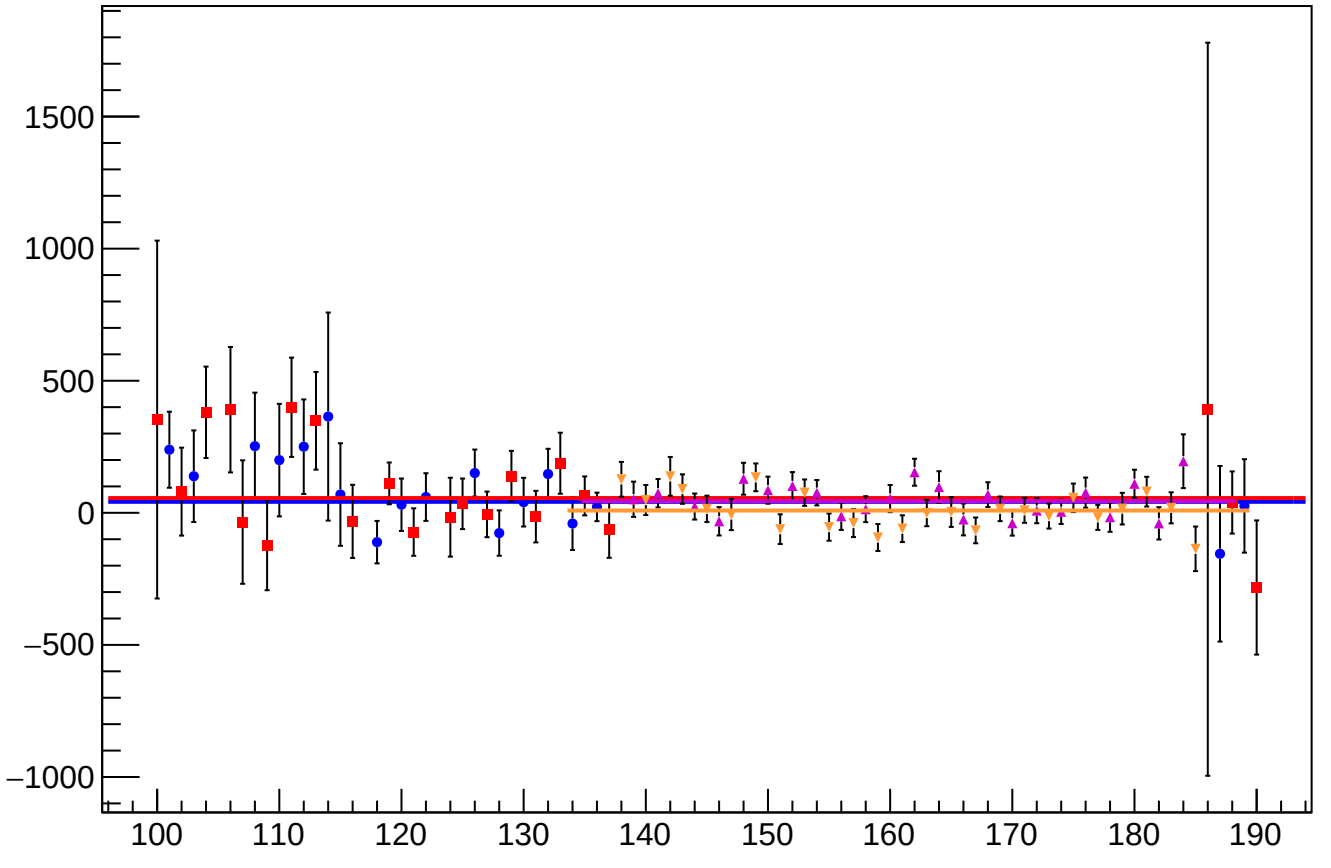
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 638.921+/-0.118 χ^2/NDF: 4870379.6/39

In: 268.876+/-0.041 χ^2/NDF:8085119.2/40

Out: 272.140+/-0.040 χ^2/NDF:10187800.1/46

All: 270.533+/-0.028 χ^2/NDF: 18276212.6/87



Right In: 41.724+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 55.887+/-26.076 χ^2/NDF: 22.2/21

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

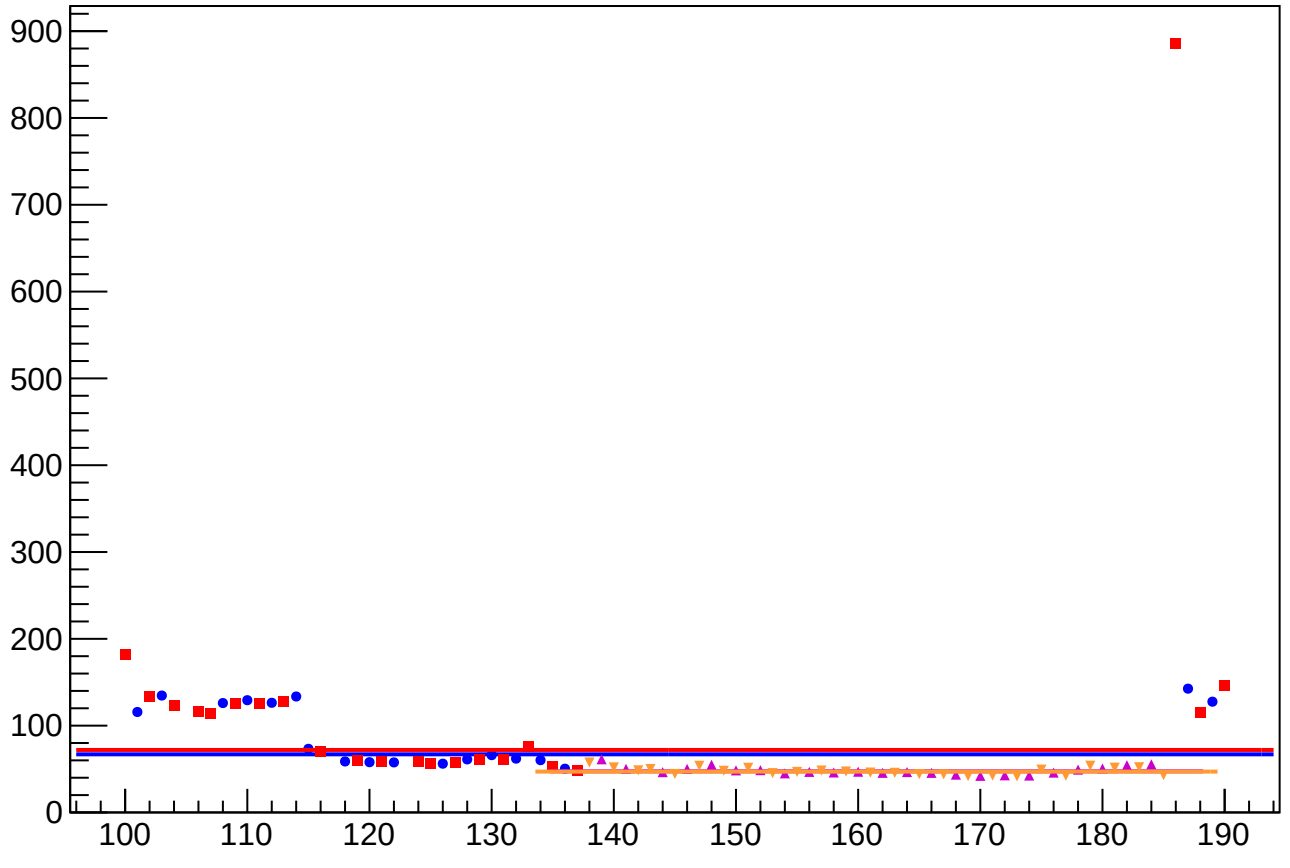
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 48.629+/-18.208 χ^2/NDF: 37.7/39

In: 44.086+/-10.211 χ^2/NDF:42.3/40

Out: 15.625+/-9.954 χ^2/NDF:59.6/46

All: 29.493+/-7.128 χ^2/NDF: 105.9/87



Right In: 66.957+/-0.018 χ^2/NDF: 1794473.2/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 72.002+/-0.018 χ^2/NDF: 2787709.6/21

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

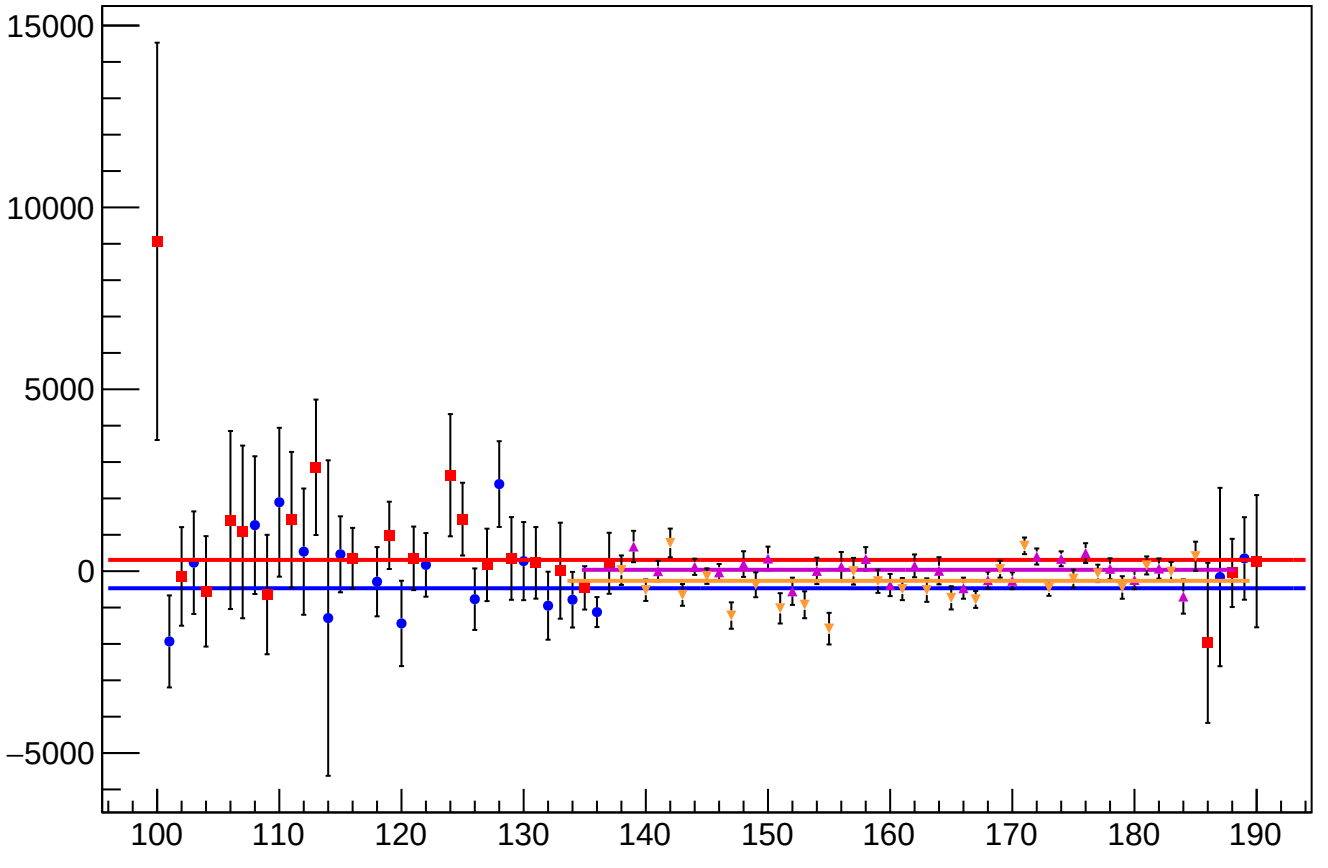
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 69.416+/-0.013 χ^2/NDF: 4620545.4/39

In: 50.538+/-0.007 χ^2/NDF:3058928.5/40

Out: 50.698+/-0.007 χ^2/NDF:4637912.1/46

All: 50.620+/-0.005 χ^2/NDF: 7697092.8/87



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 309.792+/-243.670 χ^2/NDF: 12.6/21

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

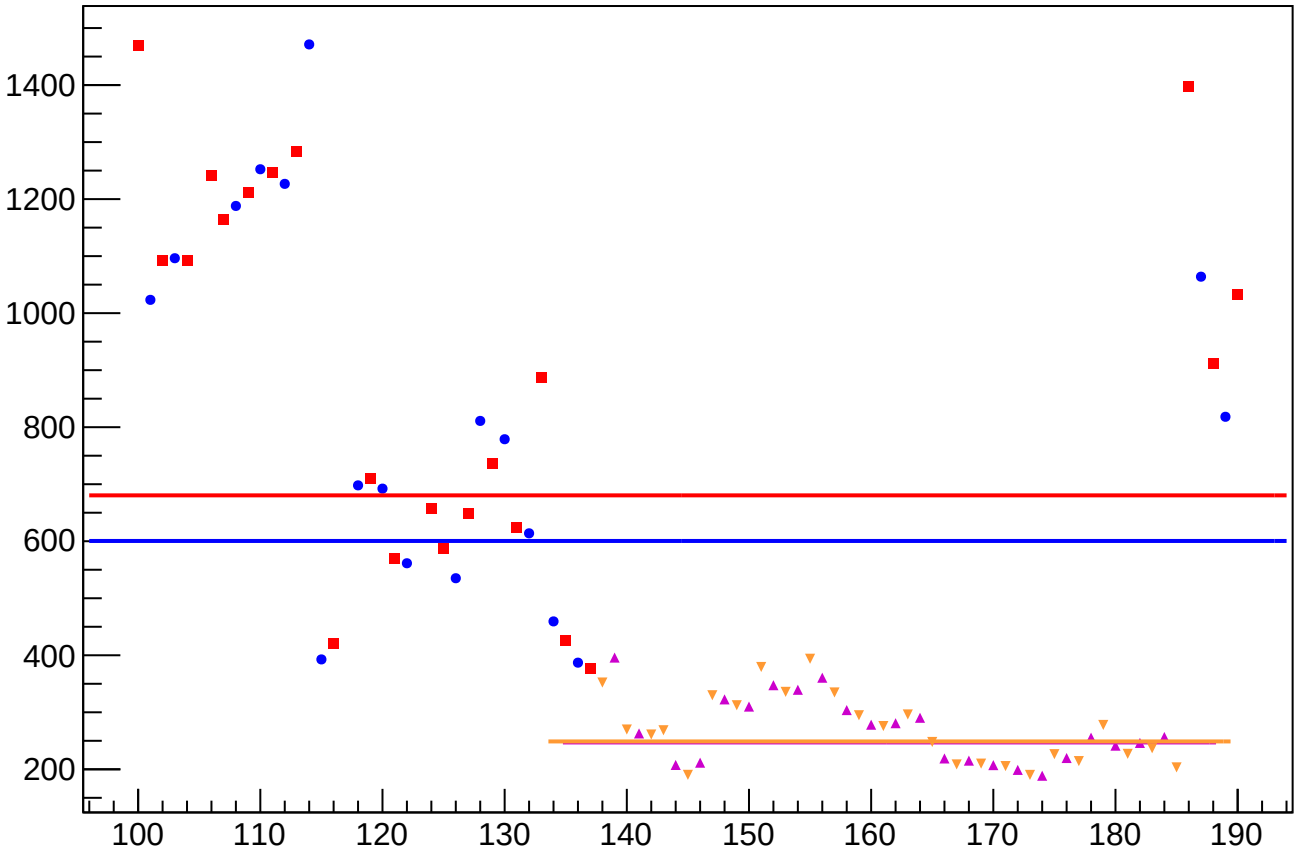
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -100.669+/-167.606 χ^2/NDF: 34.1/39

In: 6.310+/-57.308 χ^2/NDF:47.3/40

Out: -234.792+/-56.452 χ^2/NDF:87.6/46

All: -116.056+/-40.217 χ^2/NDF: 143.9/87



Right In: 600.479+/-0.163 χ^2/NDF: 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 680.451+/-0.172 χ^2/NDF: 2508551.9/21

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

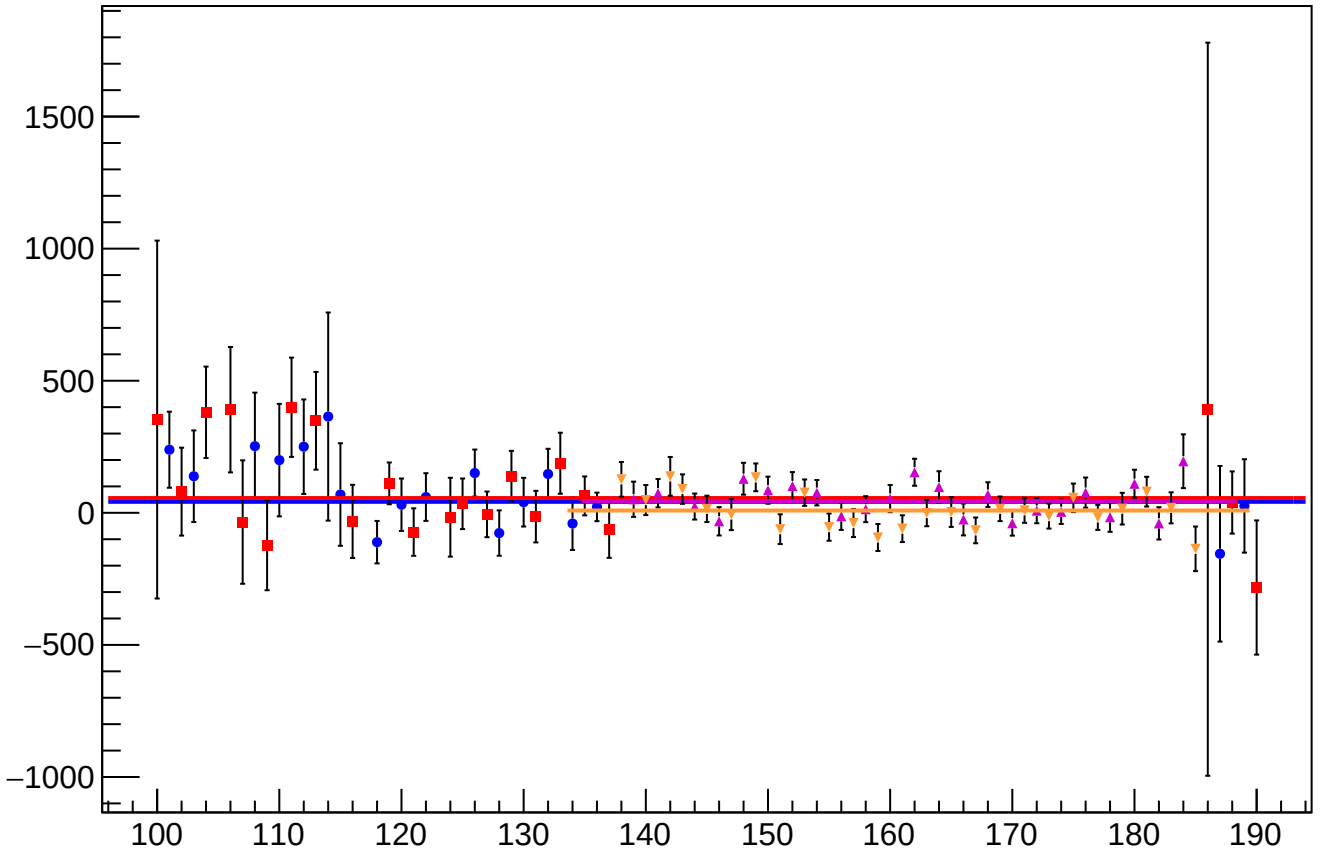
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 638.316+/-0.119 χ^2/NDF: 4827241.0/39

In: 268.876+/-0.041 χ^2/NDF:8085130.3/40

Out: 272.054+/-0.040 χ^2/NDF:10109023.1/46

All: 270.489+/-0.028 χ^2/NDF: 18197274.6/87



Right In: 41.724+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 55.887+/-26.076 χ^2/NDF: 22.2/21

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

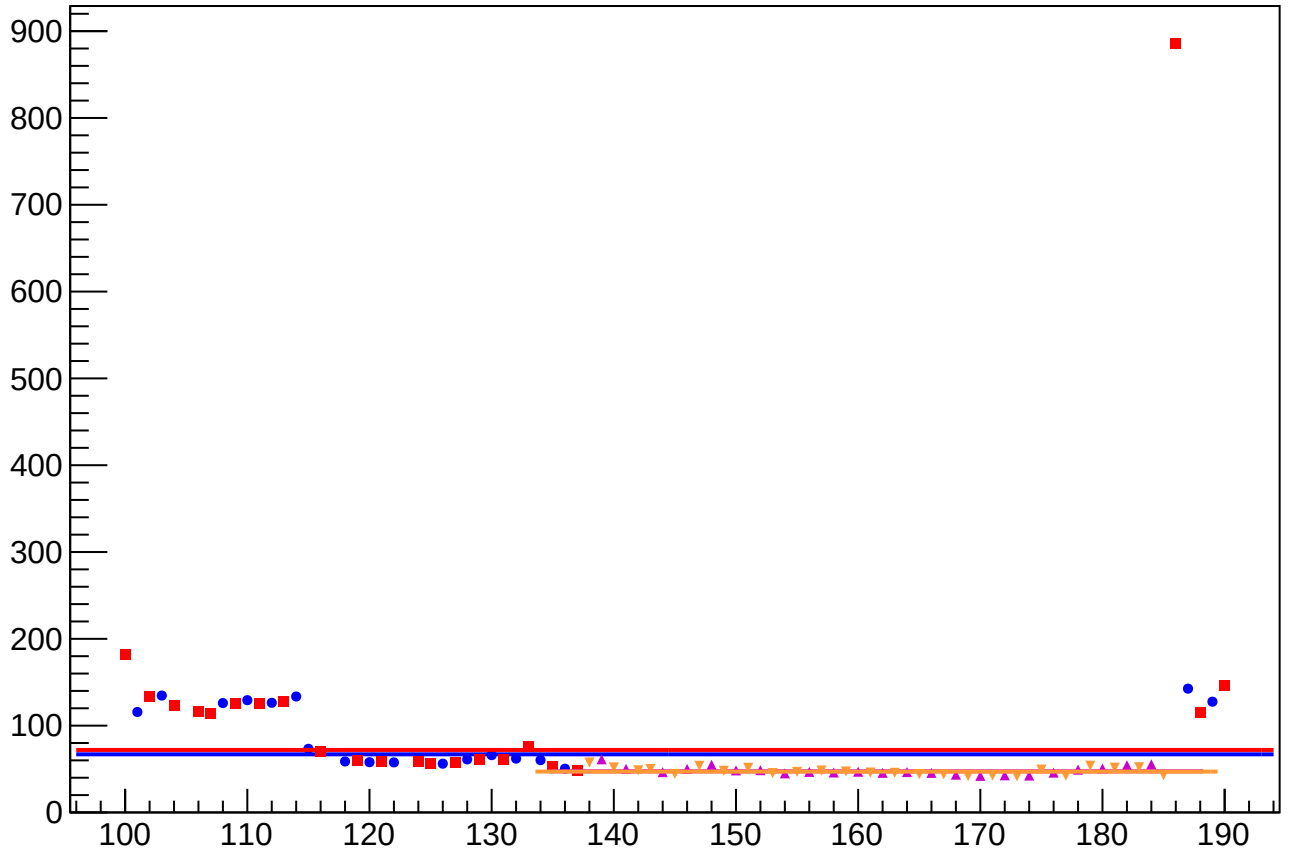
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 48.629+/-18.208 χ^2/NDF: 37.7/39

In: 44.086+/-10.211 χ^2/NDF:42.3/40

Out: 15.625+/-9.954 χ^2/NDF:59.6/46

All: 29.493+/-7.128 χ^2/NDF: 105.9/87



Right In: 66.957+/-0.018 χ^2/NDF: 1794473.2/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 72.002+/-0.018 χ^2/NDF: 2787709.6/21

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

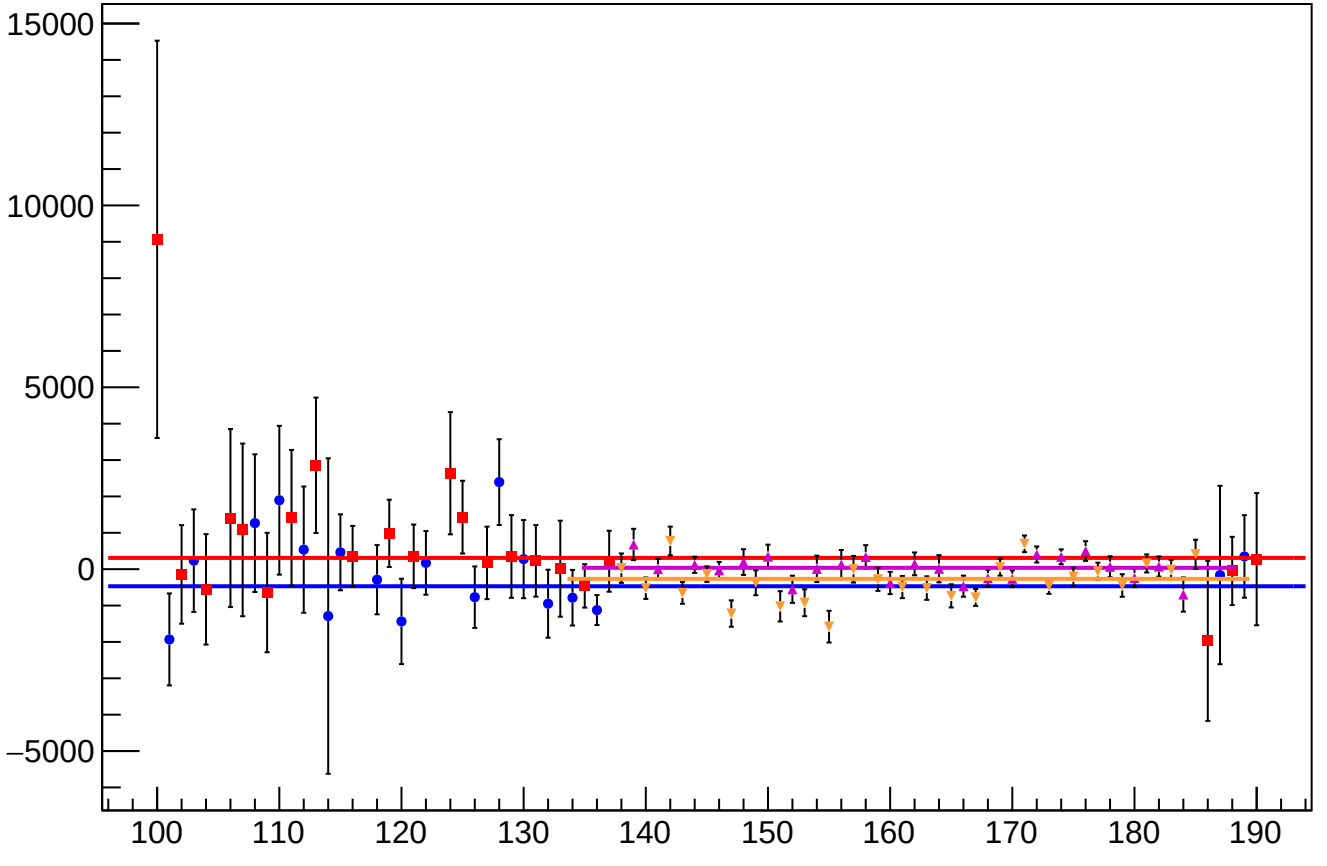
Right: 69.416+/-0.013 χ^2/NDF: 4620545.4/39

In: 50.538+/-0.007 χ^2/NDF:3058928.5/40

Out: 50.698+/-0.007 χ^2/NDF:4637912.1/46

All: 50.620+/-0.005 χ^2/NDF: 7697092.8/87

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 309.792+/-243.670 χ^2/NDF: 12.6/21

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

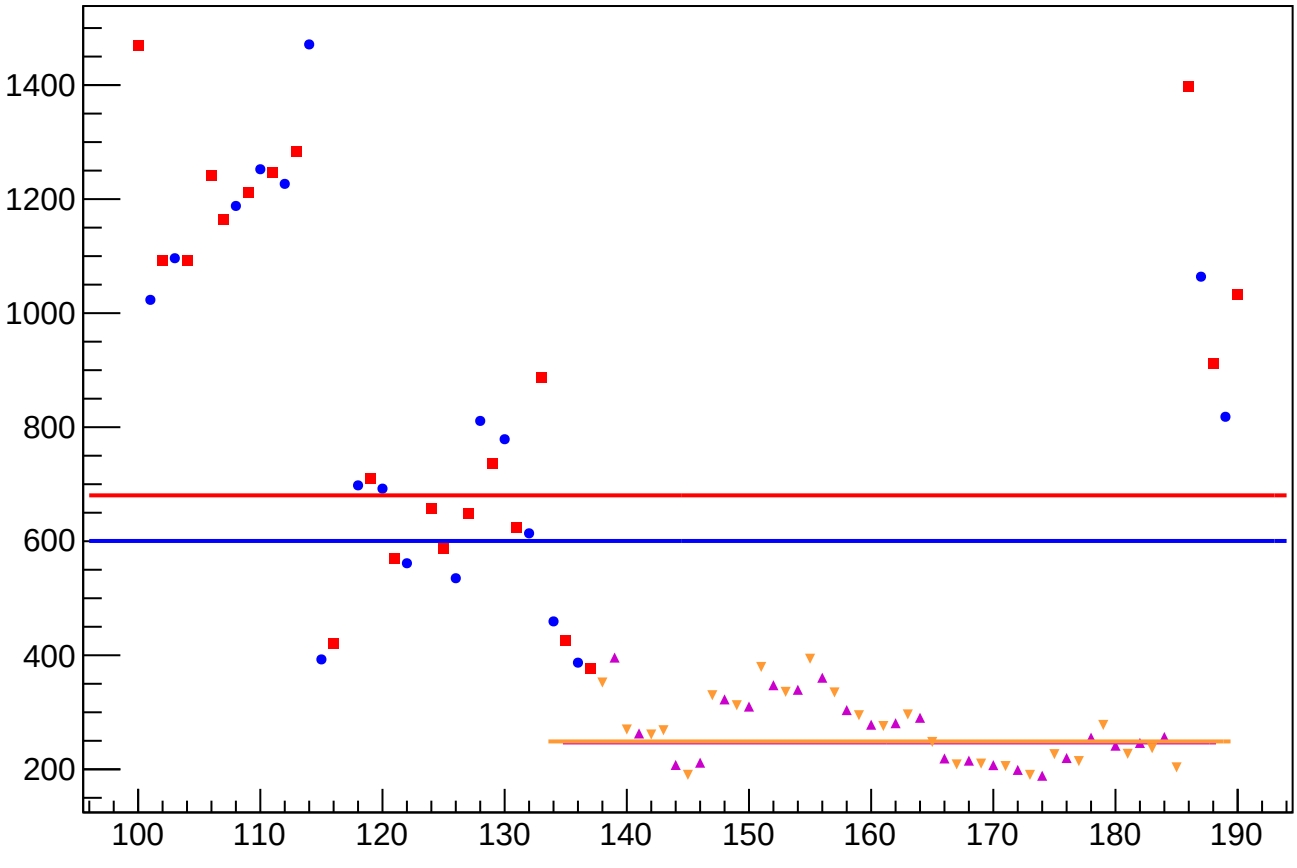
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -100.669+/-167.606 χ^2/NDF: 34.1/39

In: 6.310+/-57.308 χ^2/NDF:47.3/40

Out: -234.792+/-56.452 χ^2/NDF:87.6/46

All: -116.056+/-40.217 χ^2/NDF: 143.9/87



Right In: 600.479+/-0.163 χ^2/NDF: 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 680.451+/-0.172 χ^2/NDF: 2508551.9/21

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

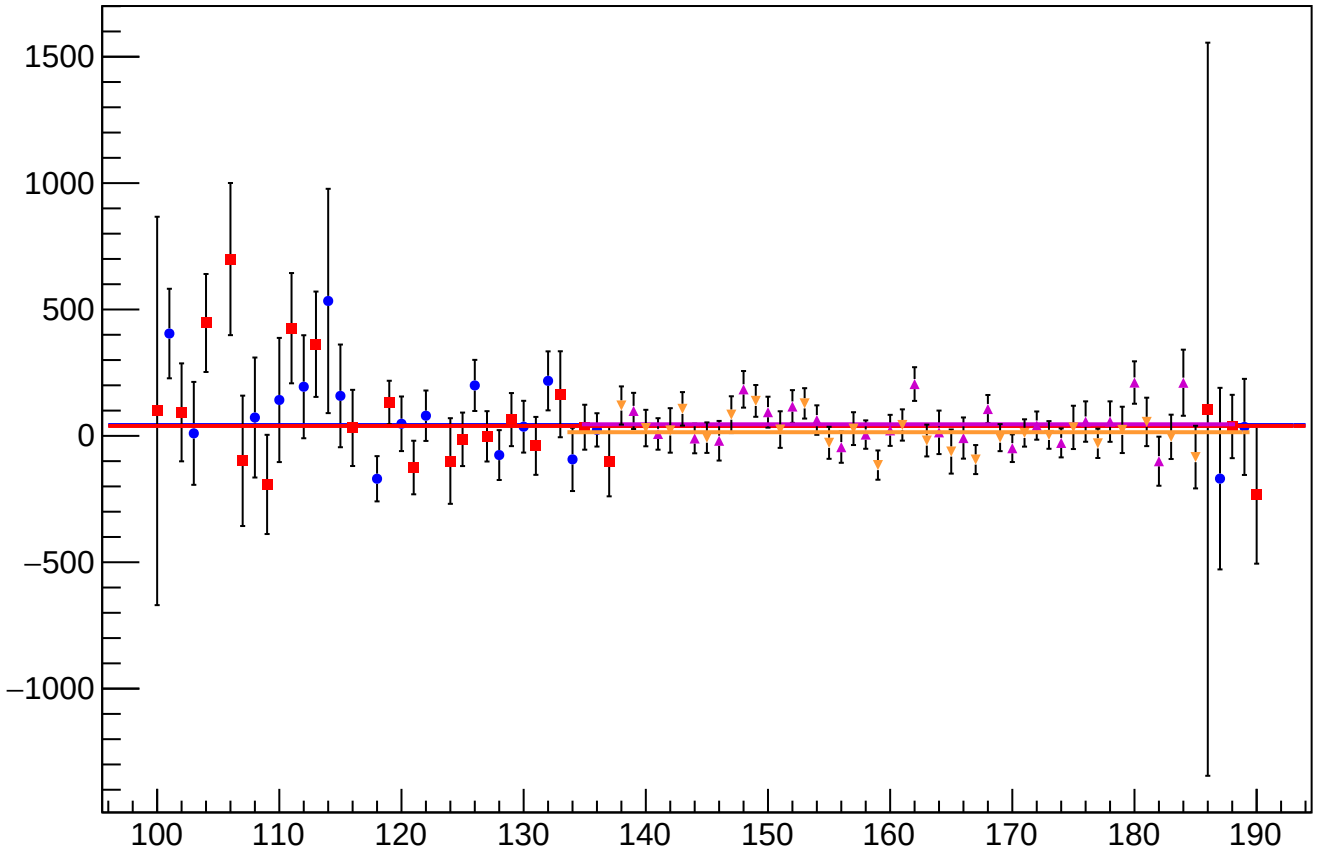
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 638.316+/-0.119 χ^2/NDF: 4827241.0/39

In: 268.876+/-0.041 χ^2/NDF:8085130.3/40

Out: 272.054+/-0.040 χ^2/NDF:10109023.1/46

All: 270.489+/-0.028 χ^2/NDF: 18197274.6/87



Right In: 42.738+/-29.446 χ^2/NDF: 20.0/17

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 39.214+/-30.127 χ^2/NDF: 24.3/21

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

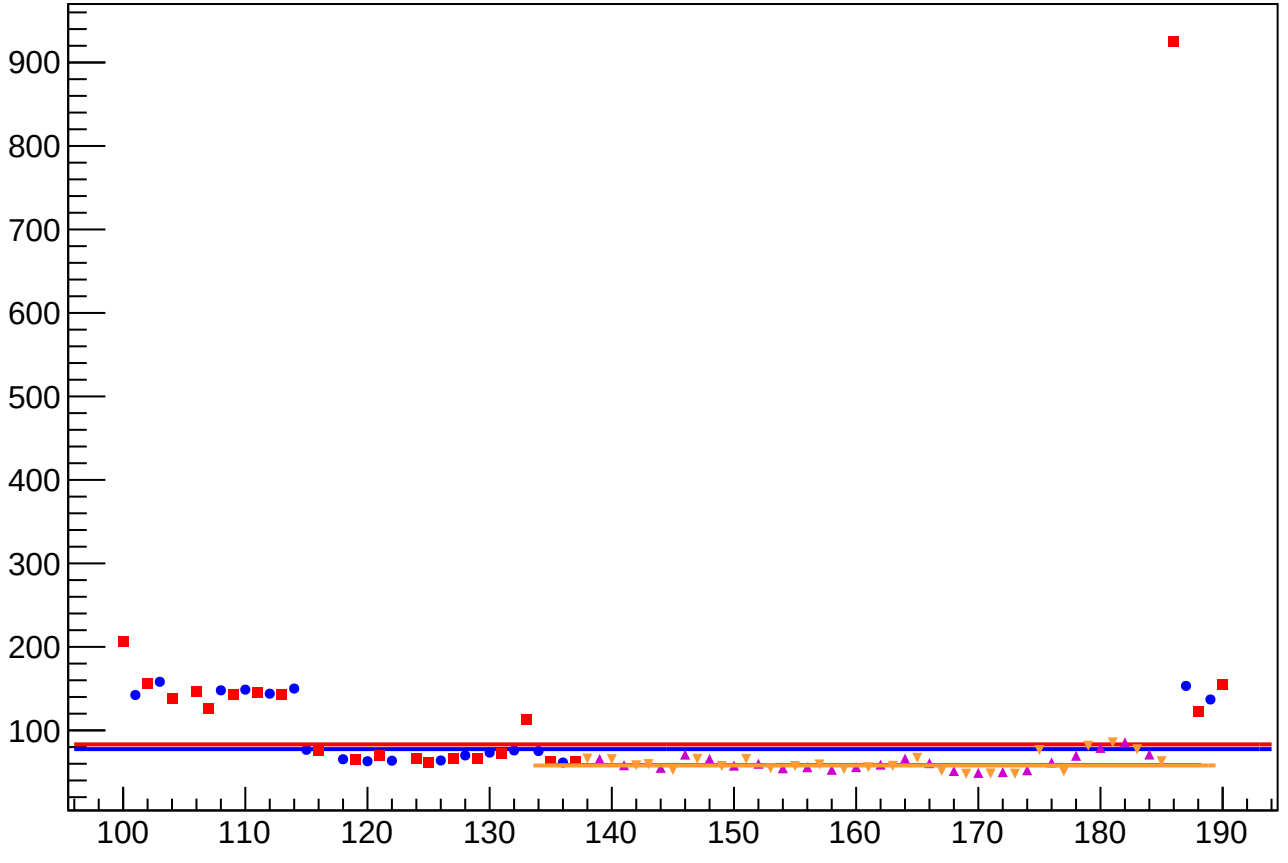
Right: 41.016+/-21.058 χ^2/NDF: 44.3/39

In: 45.245+/-12.593 χ^2/NDF:50.7/40

Out: 18.608+/-12.285 χ^2/NDF:49.4/46

All: 31.597+/-8.794 χ^2/NDF: 102.4/87

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 77.541+/-0.021 χ^2/NDF: 1758991.6/17

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 83.217+/-0.021 χ^2/NDF: 2717908.2/21

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

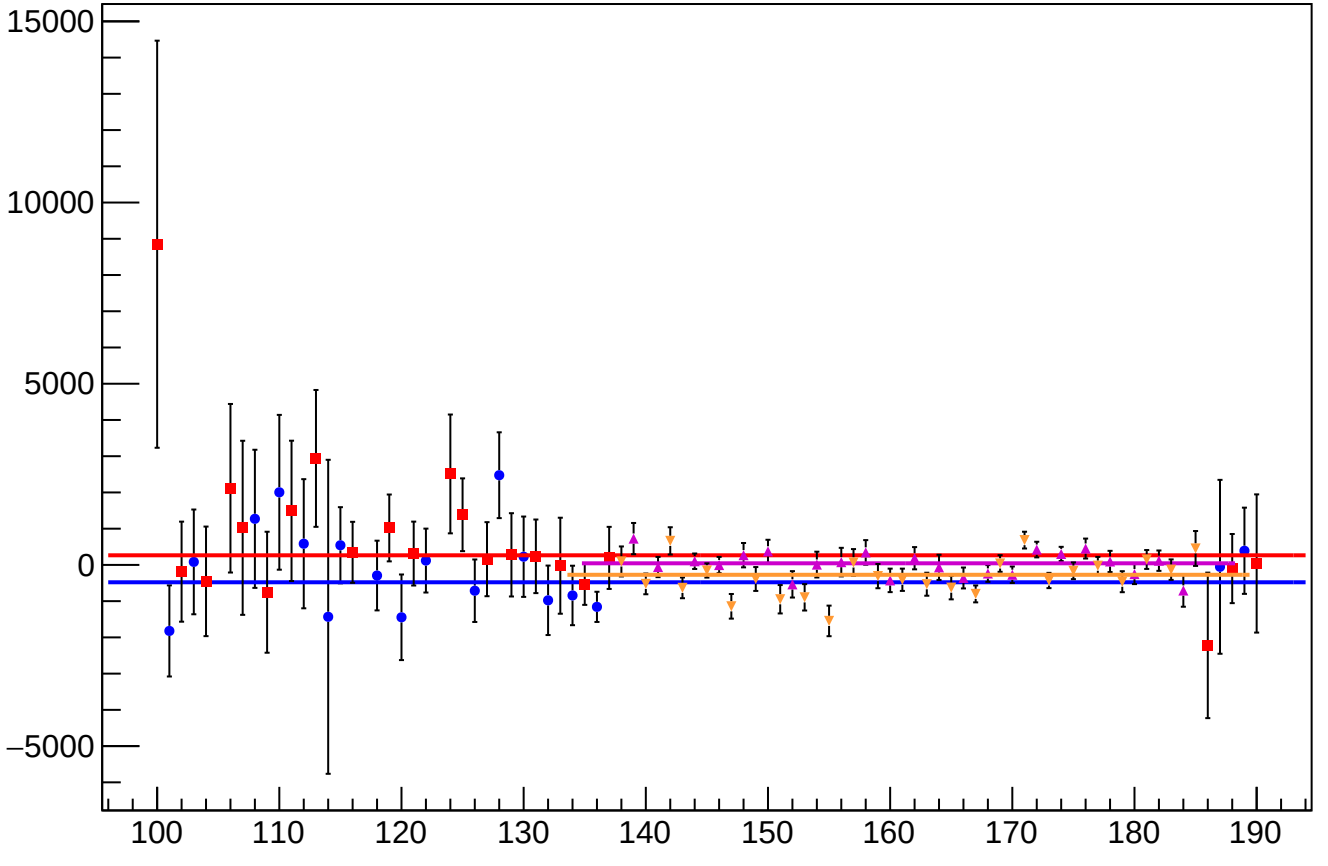
Right: 80.314+/-0.015 χ^2/NDF: 4513208.5/39

In: 61.966+/-0.009 χ^2/NDF:3093781.8/40

Out: 62.164+/-0.009 χ^2/NDF:4786319.4/46

All: 62.067+/-0.006 χ^2/NDF: 7880356.0/87

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -479.136+/-235.359 χ^2/NDF: 16.4/17

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 265.518+/-243.922 χ^2/NDF: 13.7/21

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

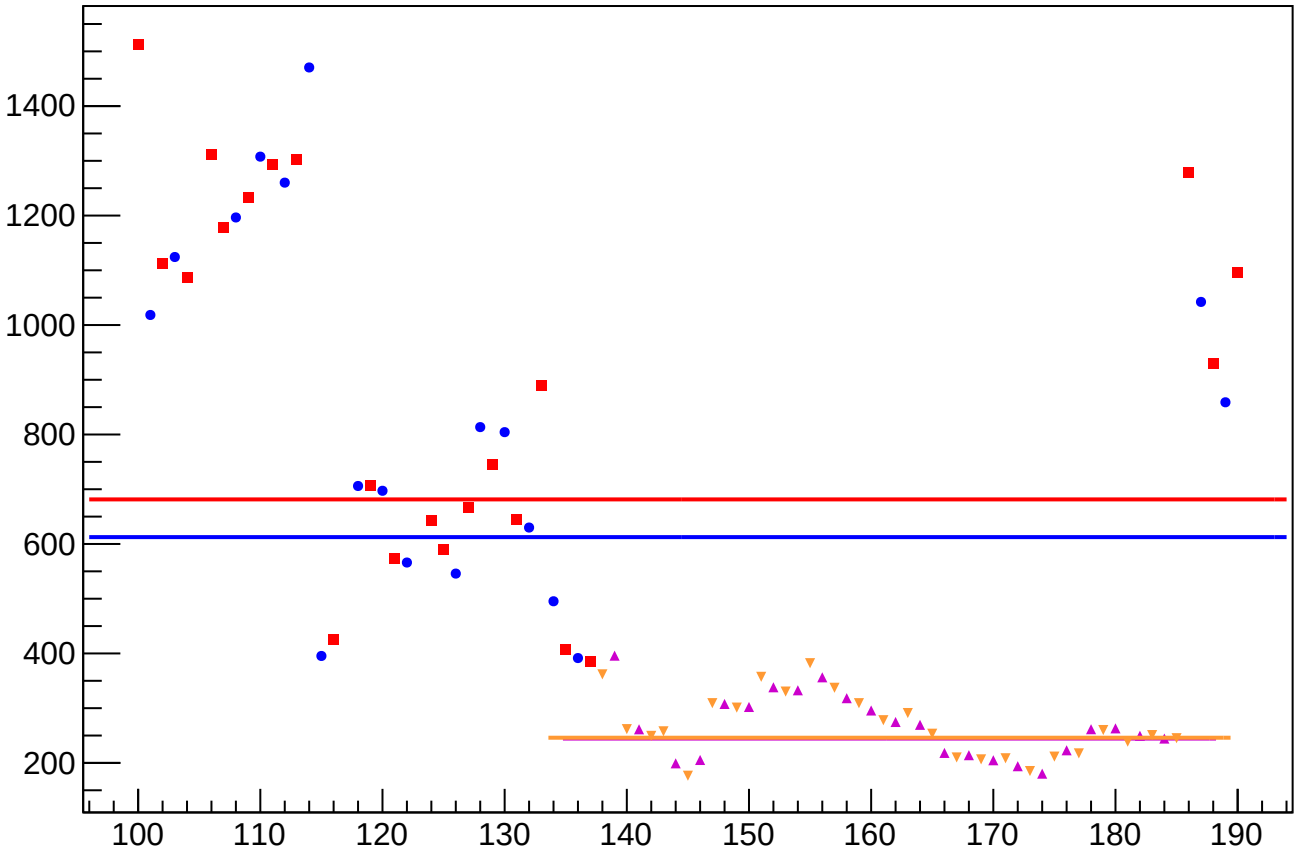
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -120.110+/-169.370 χ^2/NDF: 34.9/39

In: 13.969+/-56.877 χ^2/NDF:47.5/40

Out: -244.400+/-55.758 χ^2/NDF:84.1/46

All: -117.783+/-39.816 χ^2/NDF: 142.1/87



Right In: 612.528+/-0.166 χ^2/NDF: 2204946.3/17

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 681.427+/-0.172 χ^2/NDF: 2650365.3/21

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

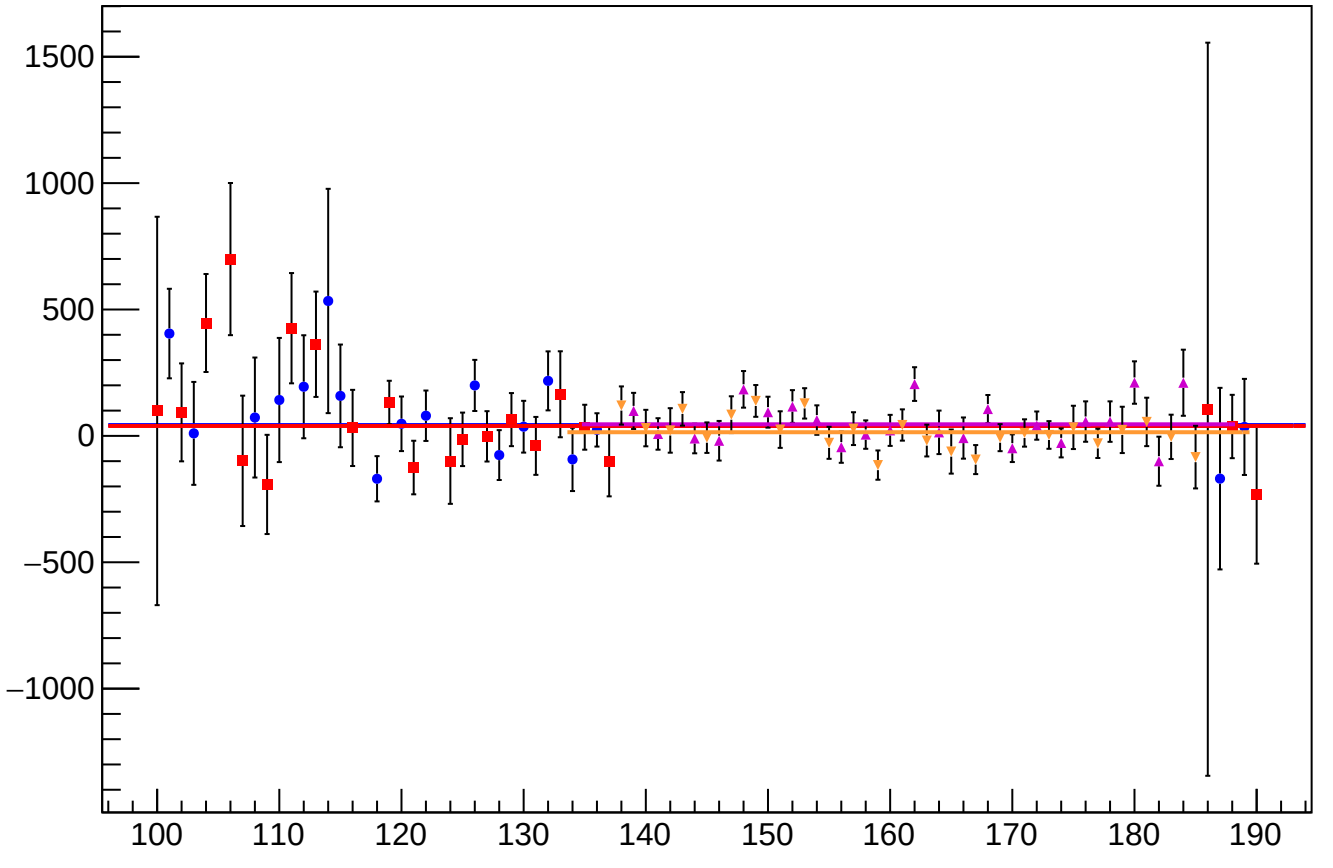
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 645.747+/-0.120 χ^2/NDF: 4937946.6/39

In: 265.946+/-0.040 χ^2/NDF:8407857.3/40

Out: 268.768+/-0.039 χ^2/NDF:10370669.1/46

All: 267.385+/-0.028 χ^2/NDF: 18781037.3/87



Right In: 42.740+/-29.445 χ^2/NDF: 20.0/17

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 39.214+/-30.127 χ^2/NDF: 24.3/21

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

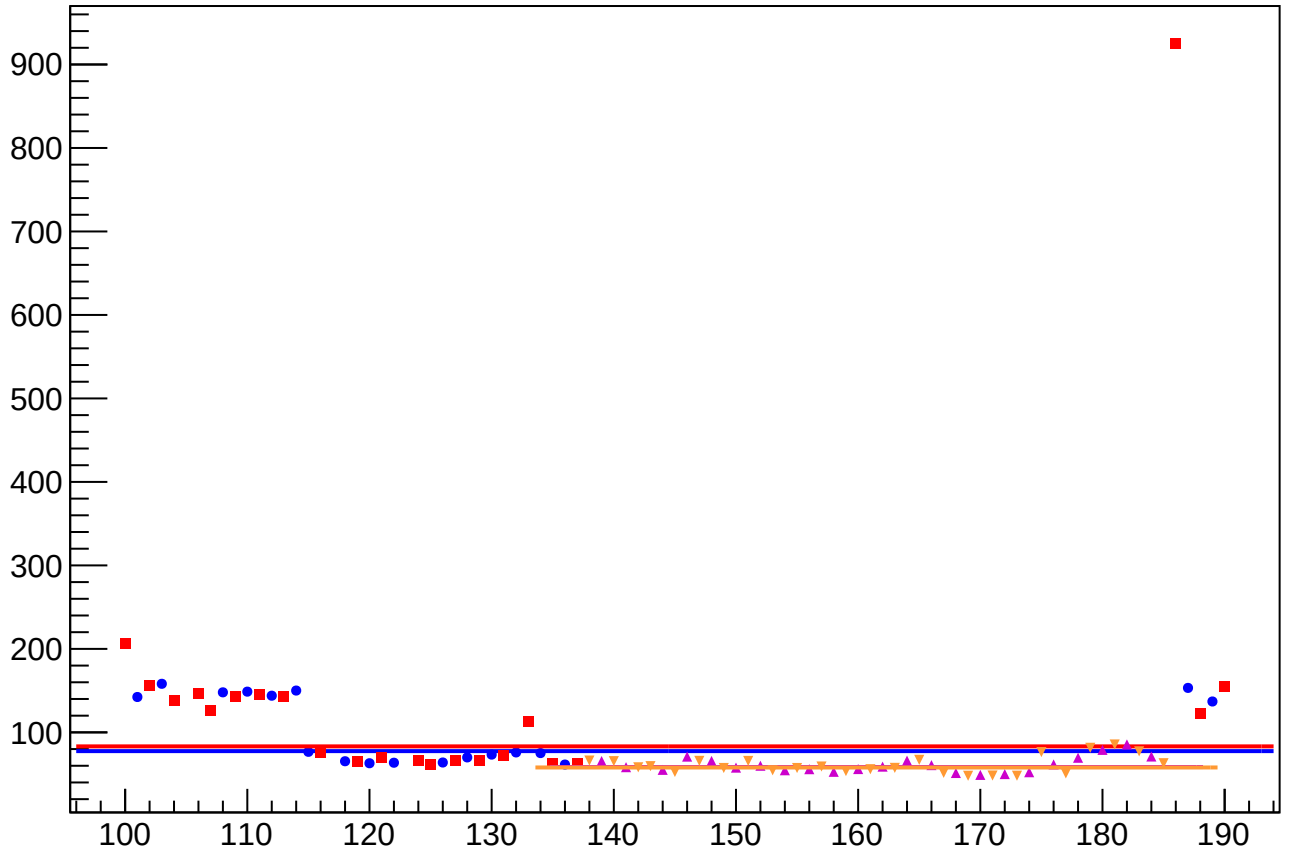
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 41.017+/-21.058 χ^2/NDF: 44.3/39

In: 45.245+/-12.593 χ^2/NDF:50.7/40

Out: 18.607+/-12.285 χ^2/NDF:49.4/46

All: 31.596+/-8.794 χ^2/NDF: 102.4/87



Right In: 77.541+/-0.021 χ^2/NDF: 1758980.7/17

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 83.217+/-0.021 χ^2/NDF: 2717906.9/21

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

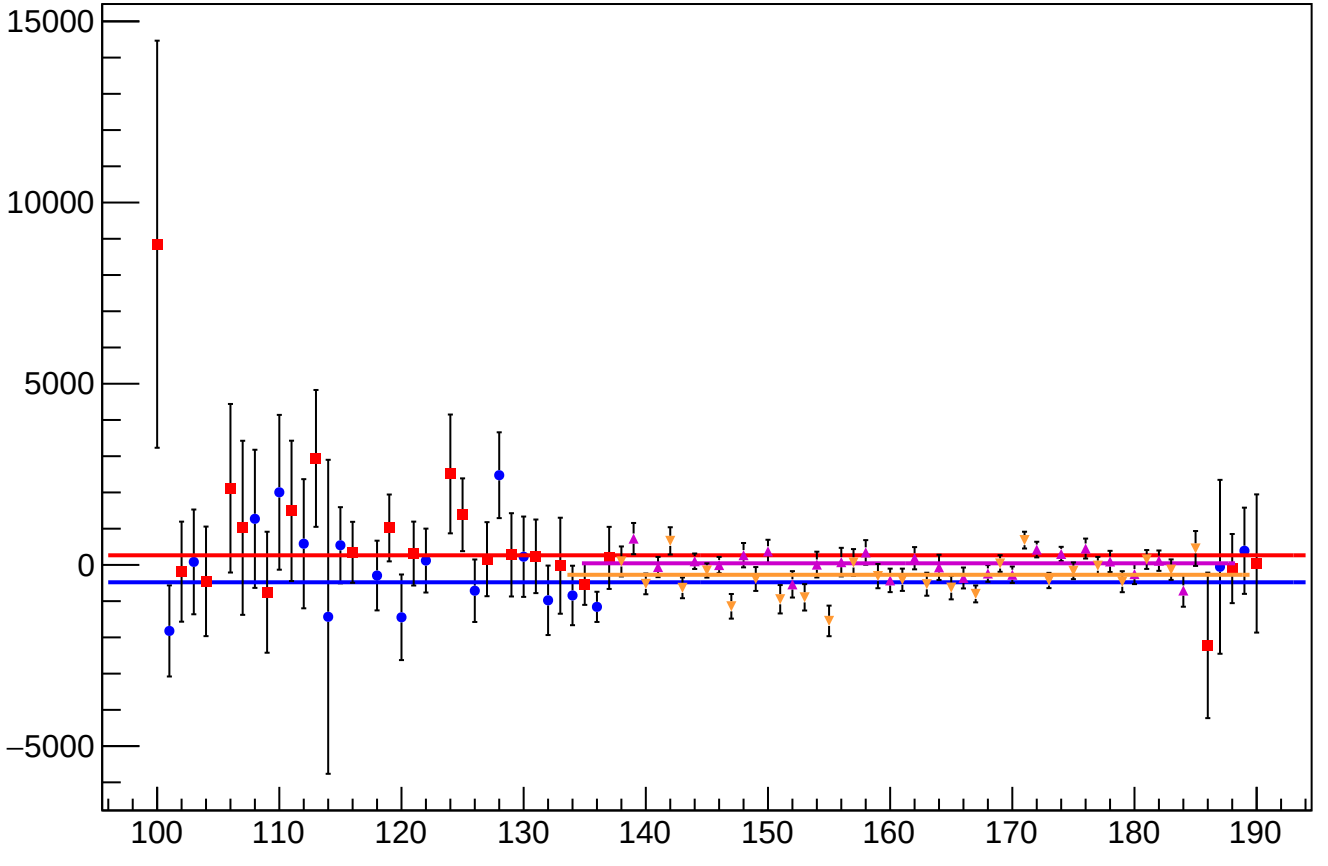
Right: 80.314+/-0.015 χ^2/NDF: 4513196.9/39

In: 61.966+/-0.009 χ^2/NDF:3093732.1/40

Out: 62.164+/-0.009 χ^2/NDF:4786293.9/46

All: 62.067+/-0.006 χ^2/NDF: 7880280.6/87

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -479.134+/-235.358 χ^2/NDF: 16.4/17

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 265.519+/-243.922 χ^2/NDF: 13.7/21

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

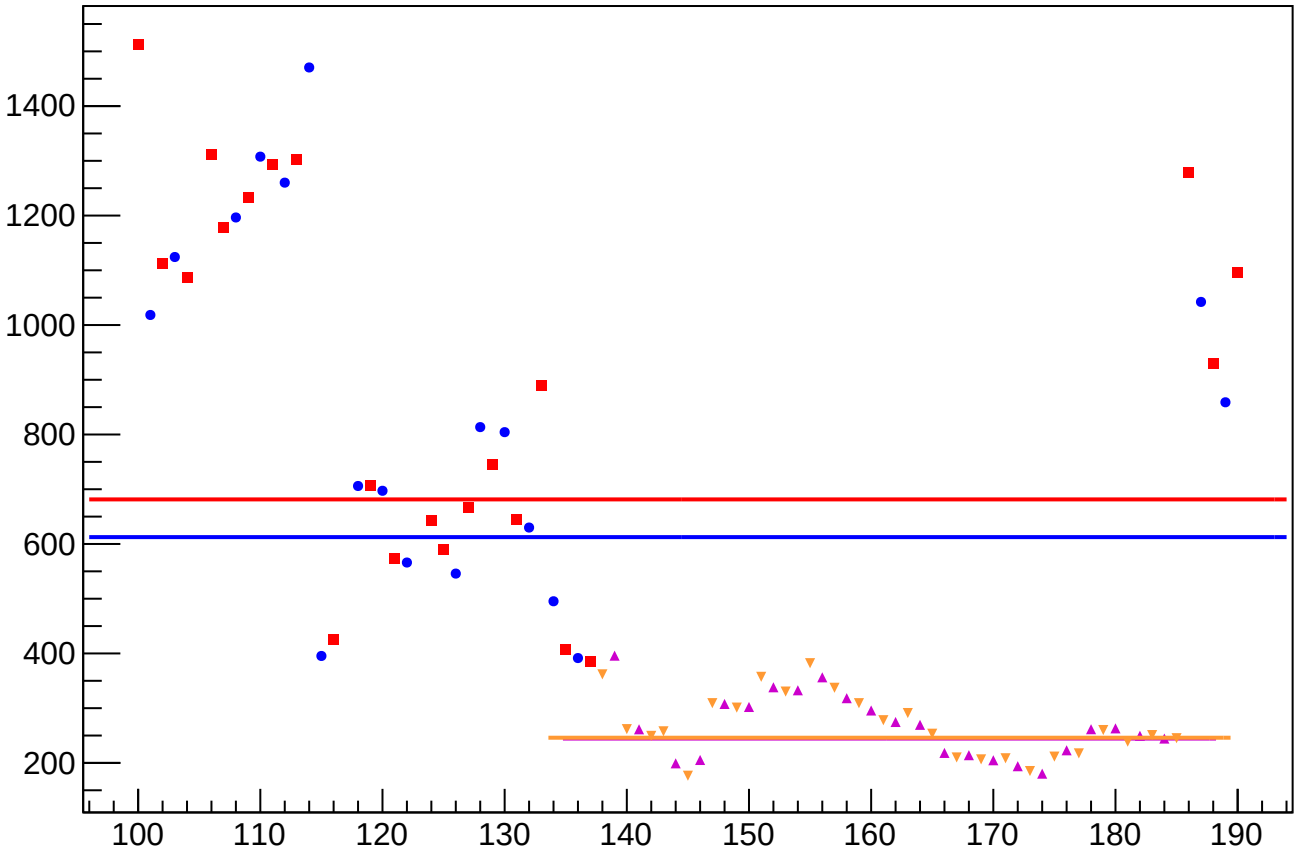
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -120.108+/-169.370 χ^2/NDF: 34.9/39

In: 13.969+/-56.877 χ^2/NDF:47.5/40

Out: -244.399+/-55.758 χ^2/NDF:84.1/46

All: -117.782+/-39.816 χ^2/NDF: 142.1/87



Right In: 612.528+/-0.166 χ^2/NDF: 2204928.6/17

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 681.426+/-0.172 χ^2/NDF: 2650347.3/21

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

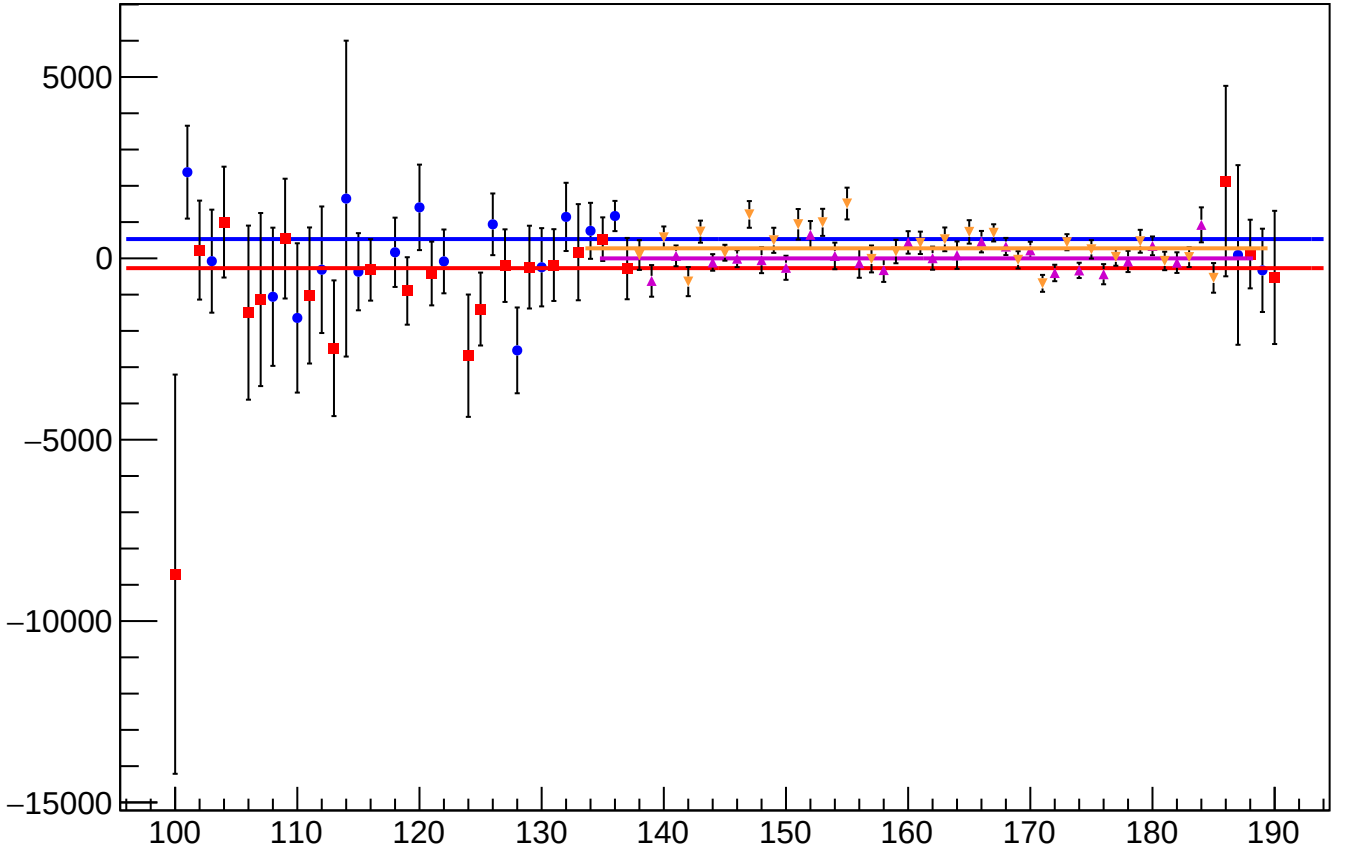
Right: 645.746+/-0.120 χ^2/NDF: 4937911.0/39

In: 265.945+/-0.040 χ^2/NDF:8407836.1/40

Out: 268.767+/-0.039 χ^2/NDF:10370666.2/46

All: 267.384+/-0.028 χ^2/NDF: 18781012.8/87

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 531.968+/-232.877 χ^2/NDF: 17.2/17

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -269.723+/-245.781 χ^2/NDF: 12.1/21

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

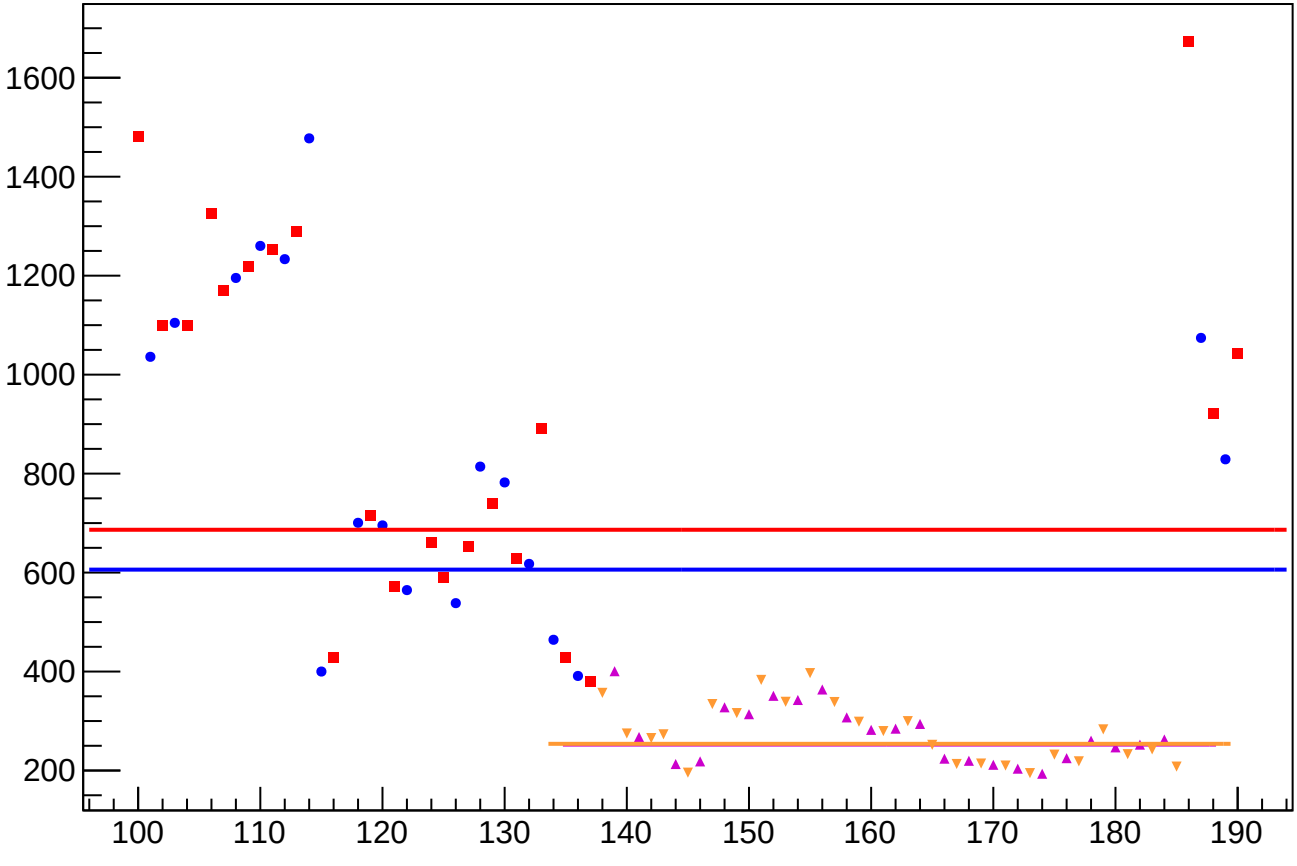
Right: 152.719+/-169.047 χ^2/NDF: 34.9/39

In: 32.964+/-58.426 χ^2/NDF:50.2/40

Out: 247.143+/-57.507 χ^2/NDF:80.8/46

All: 141.751+/-40.984 χ^2/NDF: 137.9/87

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 605.979+/-0.165 χ^2/NDF: 2189412.4/17

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 686.522+/-0.174 χ^2/NDF: 2605349.9/21

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

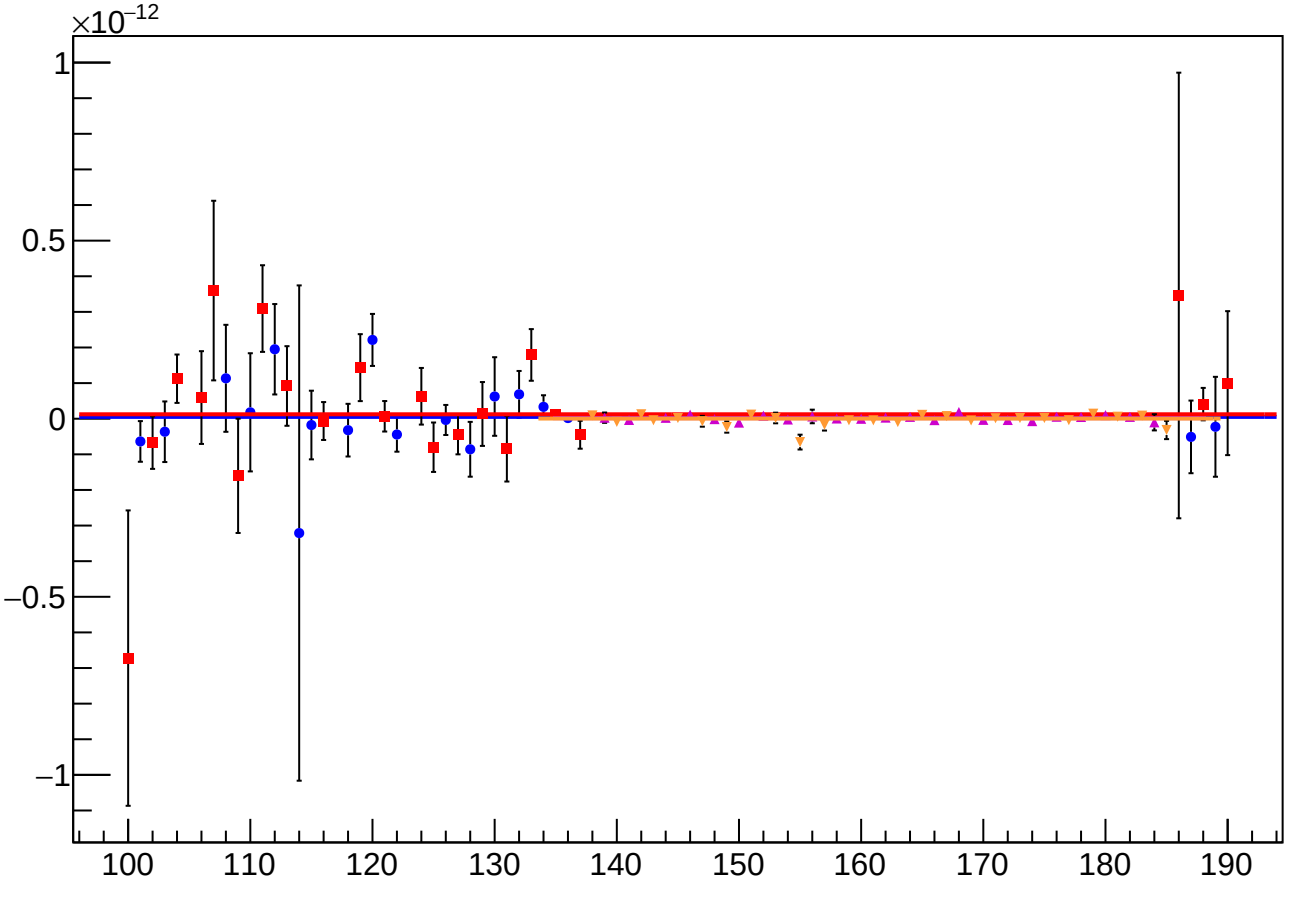
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 644.081+/-0.120 χ^2/NDF: 4907938.5/39

In: 274.646+/-0.041 χ^2/NDF:7922116.8/40

Out: 277.634+/-0.041 χ^2/NDF:10051981.9/46

All: 276.164+/-0.029 χ^2/NDF: 17976755.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/21

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

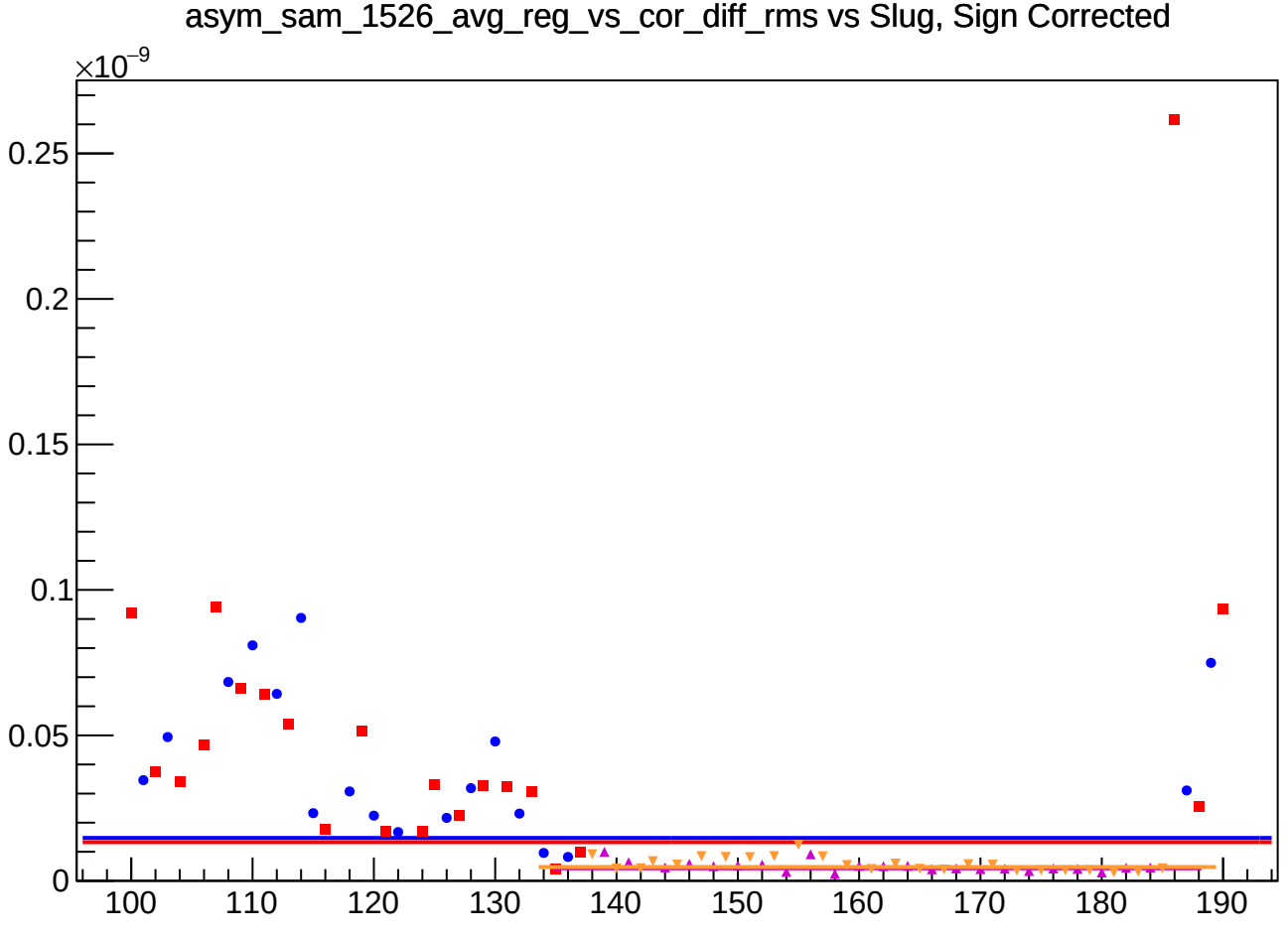
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/39

In: 0.000+/-0.000 χ^2/NDF:32.7/40

Out: 0.000+/-0.000 χ^2/NDF:58.6/46

All: 0.000+/-0.000 χ^2/NDF: 91.3/87



Right In: 0.000+/-0.000 χ^2/NDF: 2917603.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4261773.8/21

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

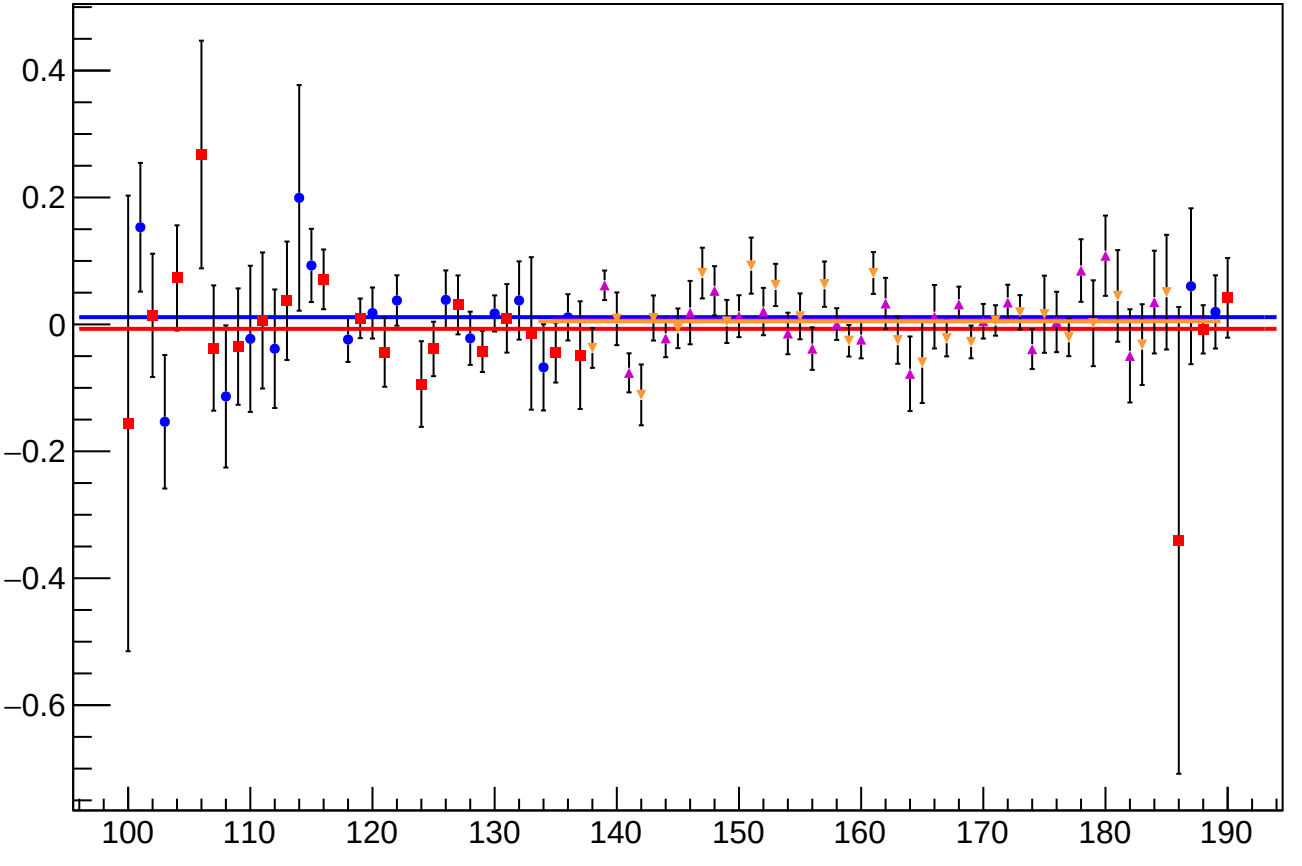
Right: 0.000+/-0.000 χ^2/NDF: 7199348.9/39

In: 0.000+/-0.000 χ^2/NDF:5837566.2/40

Out: 0.000+/-0.000 χ^2/NDF:7212461.8/46

All: 0.000+/-0.000 χ^2/NDF: 13097714.2/87

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.012 χ^2/NDF: 13.9/21

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

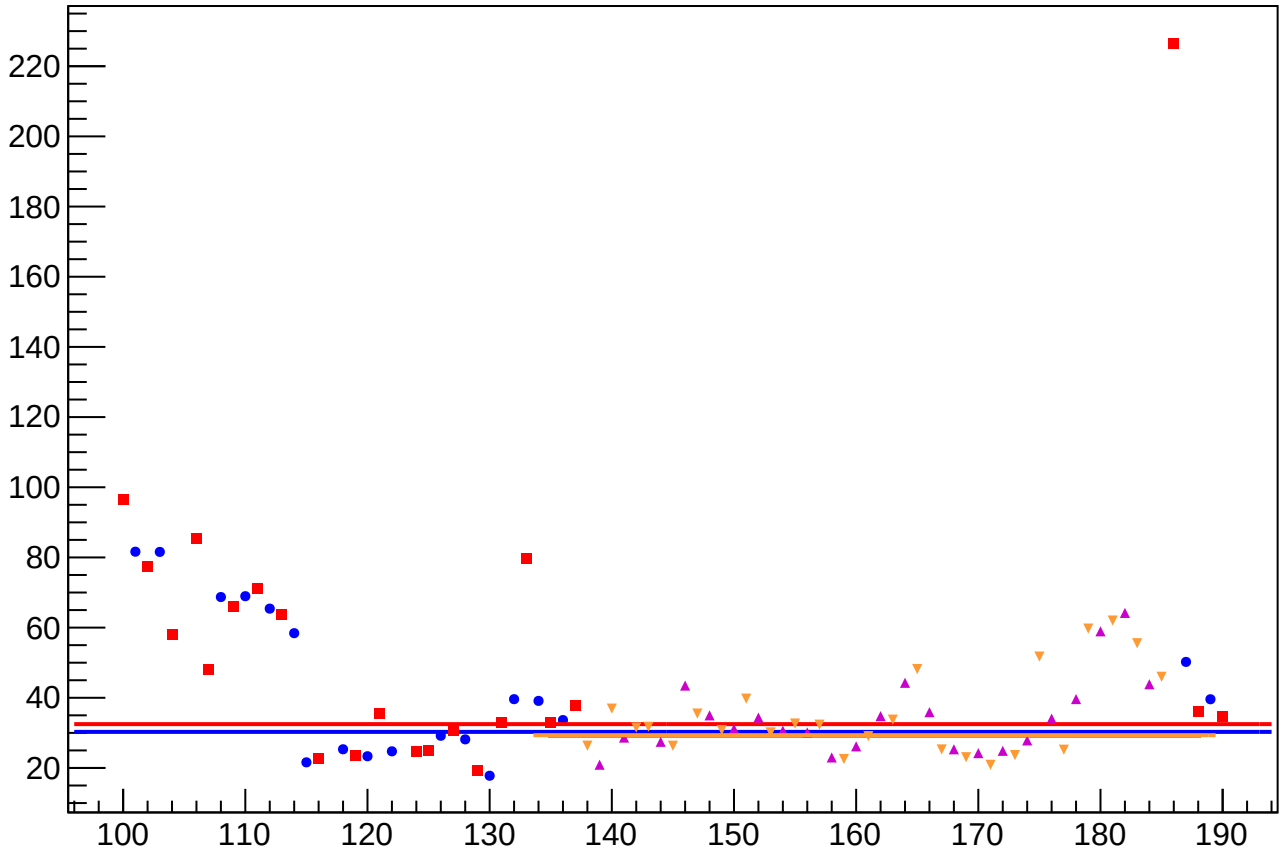
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.002+/-0.009 χ^2/NDF: 28.3/39

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.5/46

All: 0.005+/-0.004 χ^2/NDF: 93.4/87



Right In: 30.284+/-0.009 χ^2/NDF: 2558486.4/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.494+/-0.009 χ^2/NDF: 3234704.0/21

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

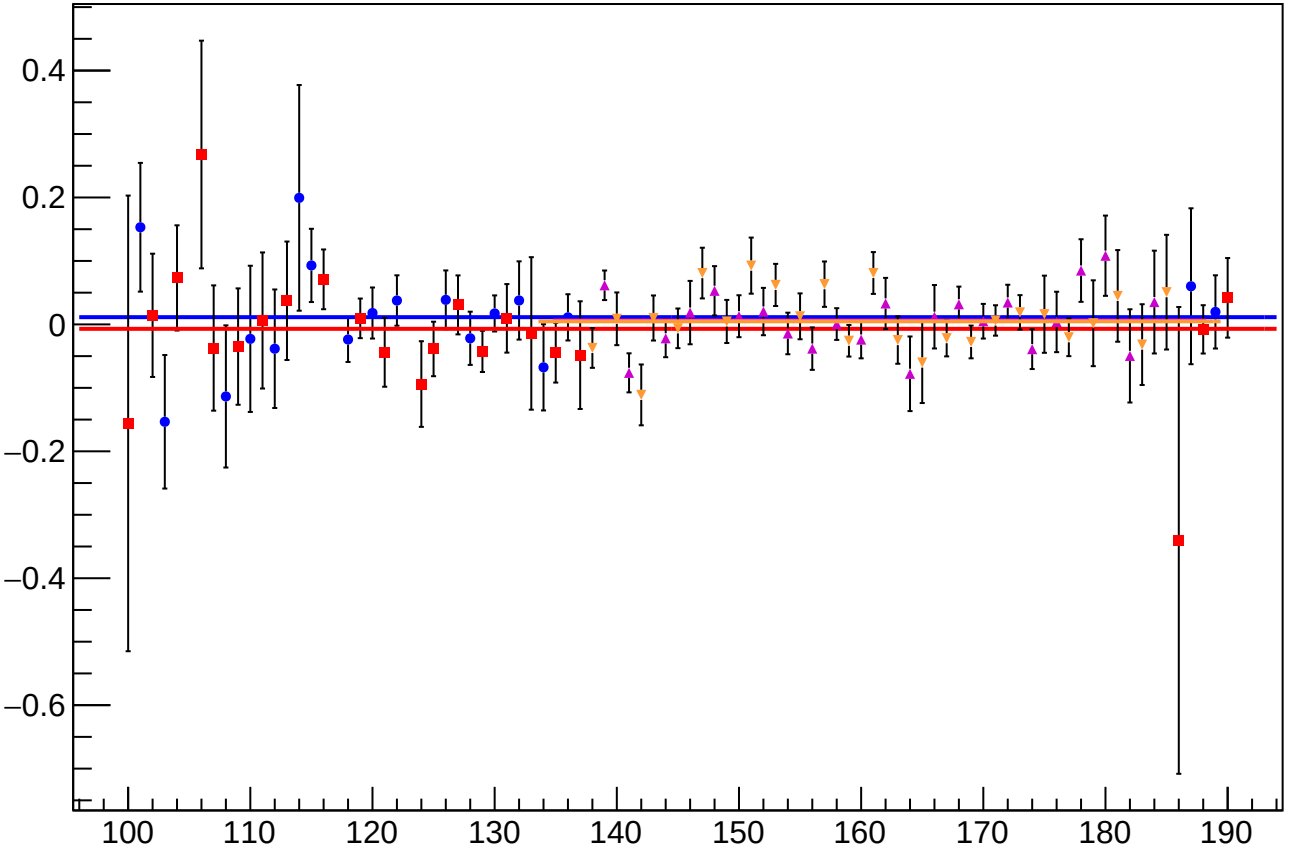
Right: 31.384+/-0.006 χ^2/NDF: 5825833.0/39

In: 29.503+/-0.004 χ^2/NDF:4667222.9/40

Out: 30.131+/-0.004 χ^2/NDF:6021117.3/46

All: 29.822+/-0.003 χ^2/NDF: 10698645.2/87

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.012 χ^2/NDF: 13.9/21

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

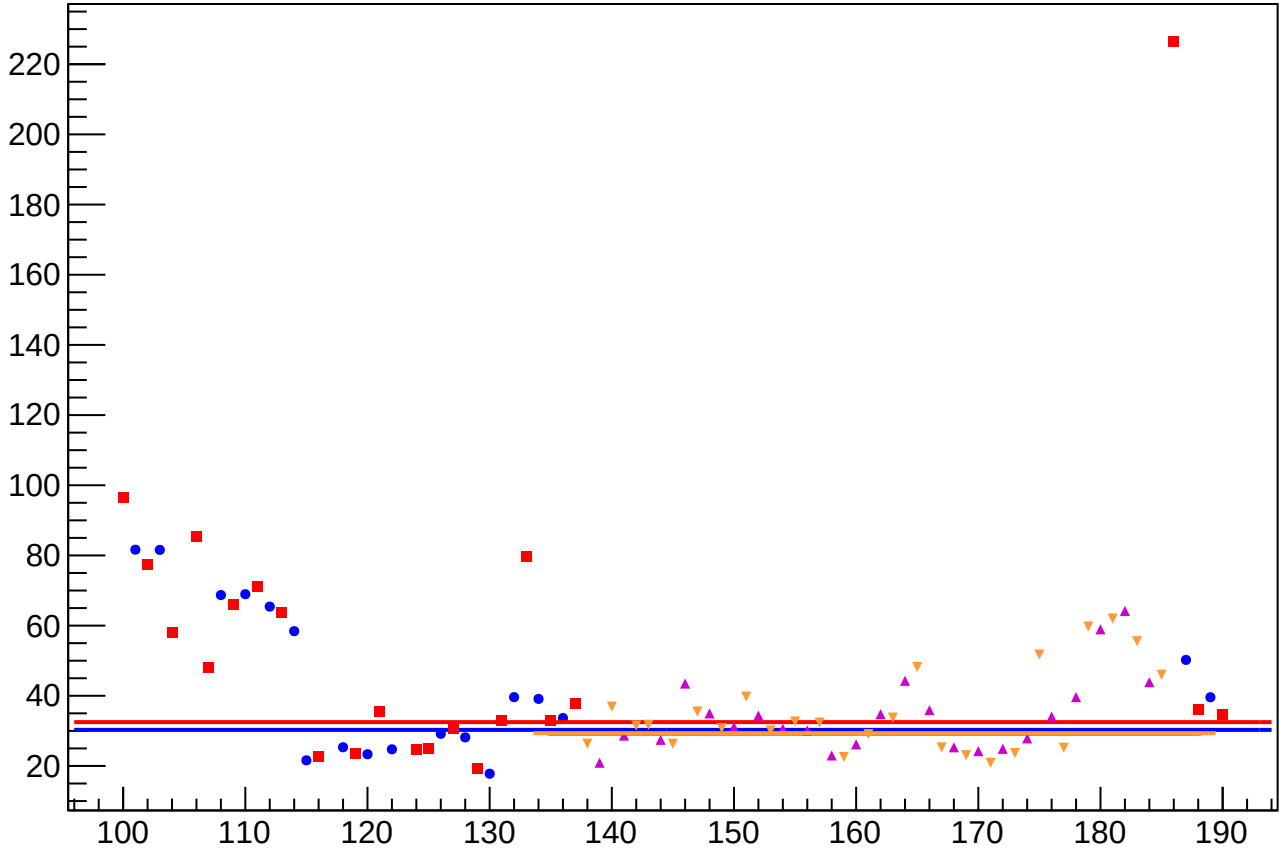
Right: 0.002+/-0.009 χ^2/NDF: 28.3/39

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.5/46

All: 0.005+/-0.004 χ^2/NDF: 93.4/87

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.284+/-0.009 χ^2/NDF: 2558486.4/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.494+/-0.009 χ^2/NDF: 3234704.0/21

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

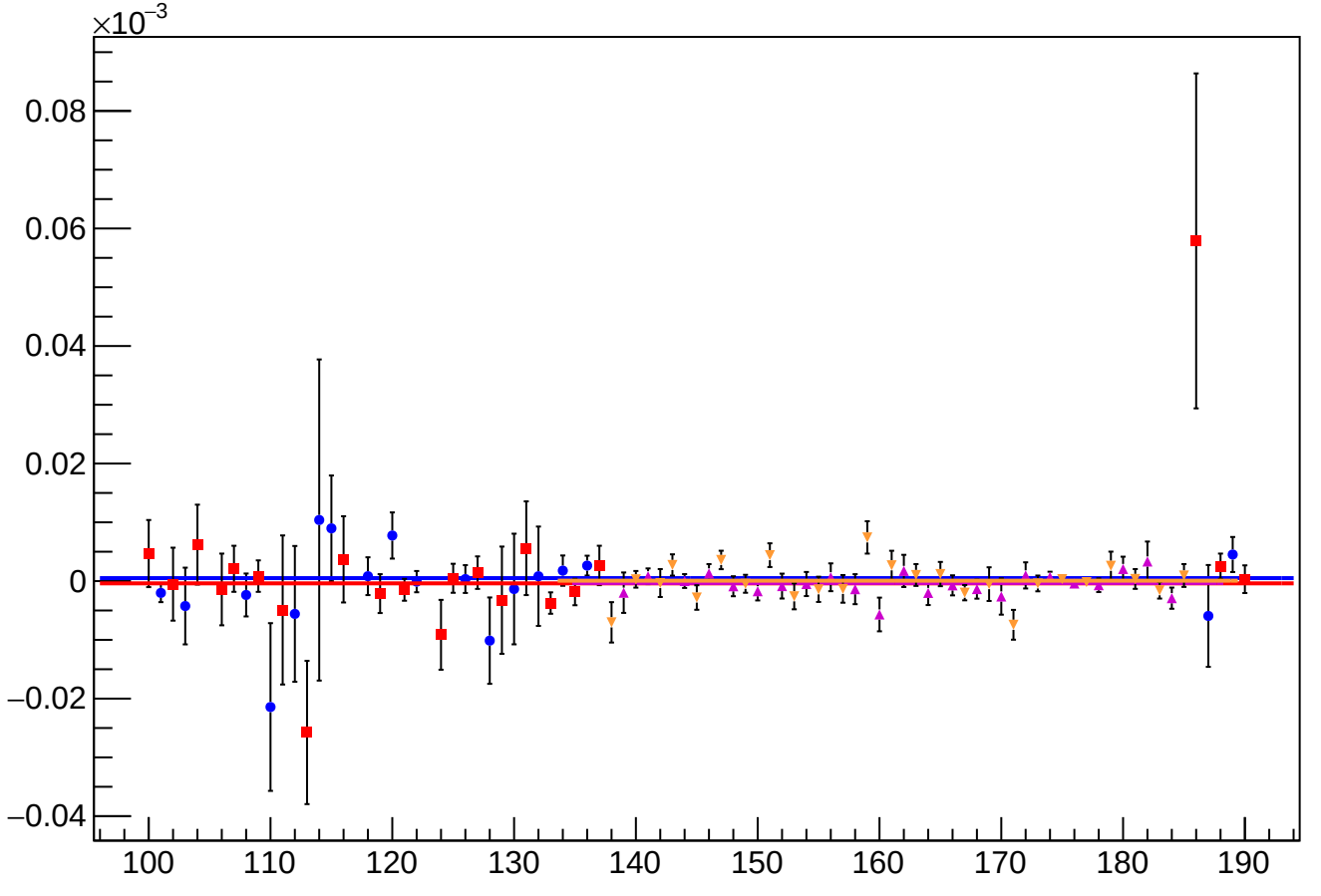
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.384+/-0.006 χ^2/NDF: 5825833.0/39

In: 29.503+/-0.004 χ^2/NDF:4667222.9/40

Out: 30.131+/-0.004 χ^2/NDF:6021117.3/46

All: 29.822+/-0.003 χ^2/NDF: 10698645.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/21

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

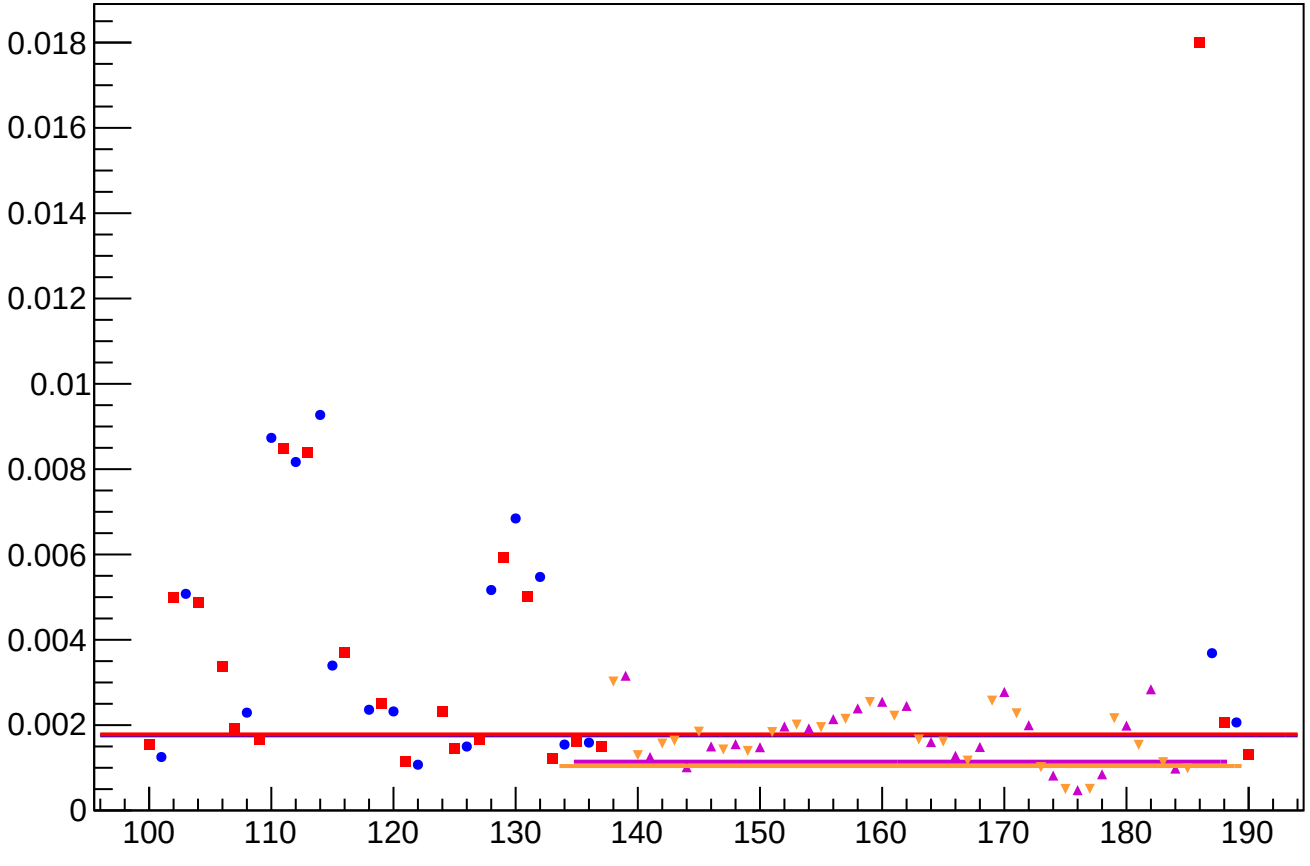
Right: 0.000+/-0.000 χ^2/NDF: 39.9/39

In: -0.000+/-0.000 χ^2/NDF:33.8/40

Out: 0.000+/-0.000 χ^2/NDF:66.0/46

All: -0.000+/-0.000 χ^2/NDF: 100.0/87

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4055656.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4486519.8/21

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

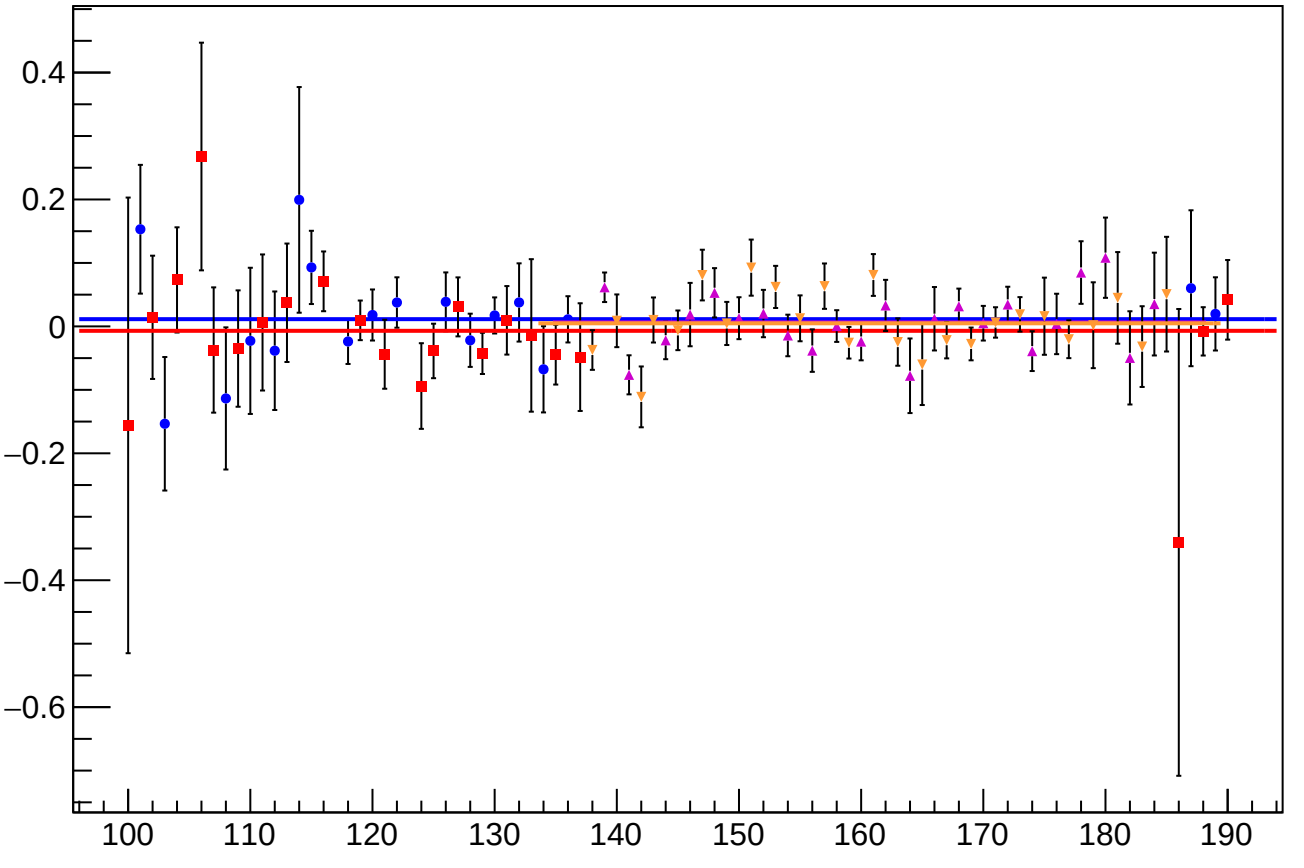
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 8543059.7/39

In: 0.001+/-0.000 χ^2/NDF:13543867.2/40

Out: 0.001+/-0.000 χ^2/NDF:16261215.1/46

All: 0.001+/-0.000 χ^2/NDF: 29921916.5/87



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.012 χ^2/NDF: 13.9/21

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

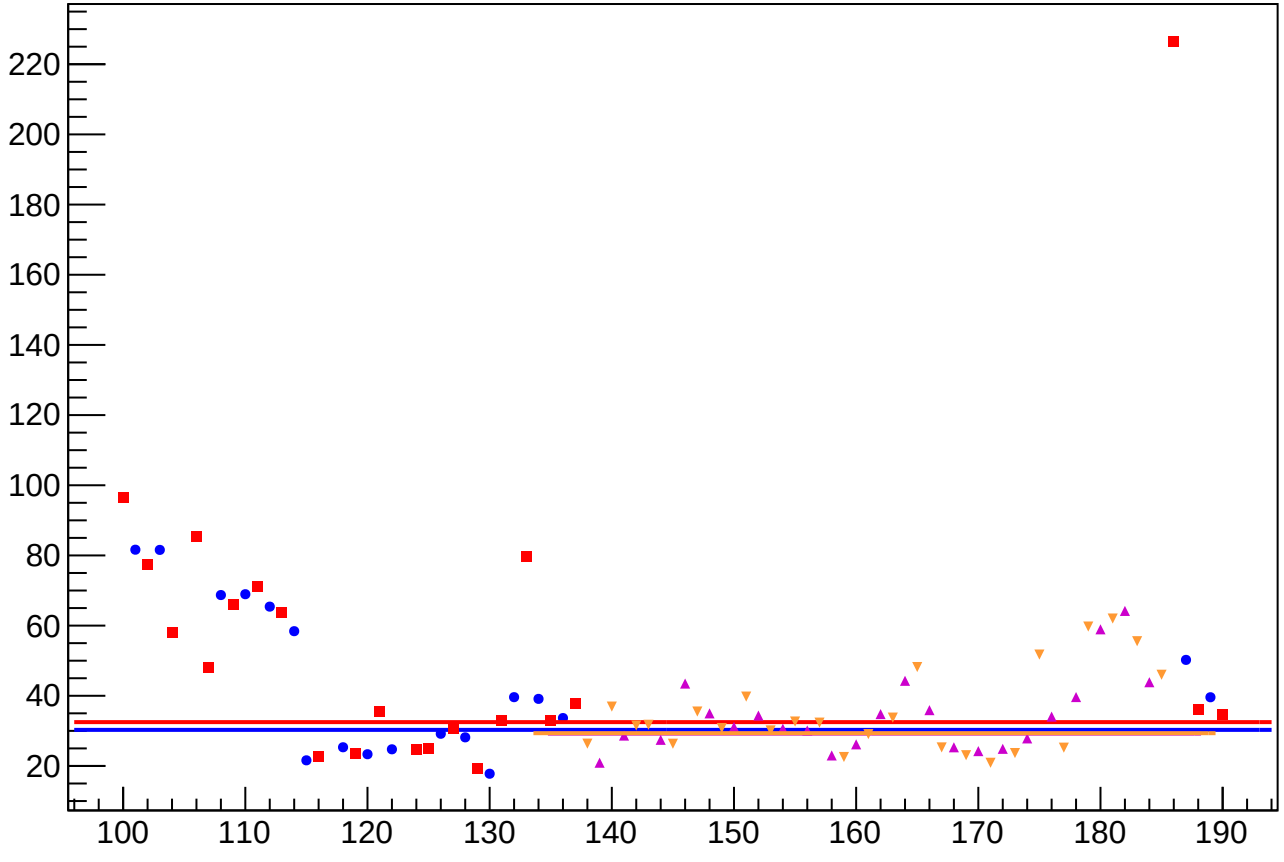
Right: 0.002+/-0.009 χ^2/NDF: 28.3/39

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.5/46

All: 0.005+/-0.004 χ^2/NDF: 93.4/87

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.493+/-0.009 χ^2/NDF: 3234900.5/21

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

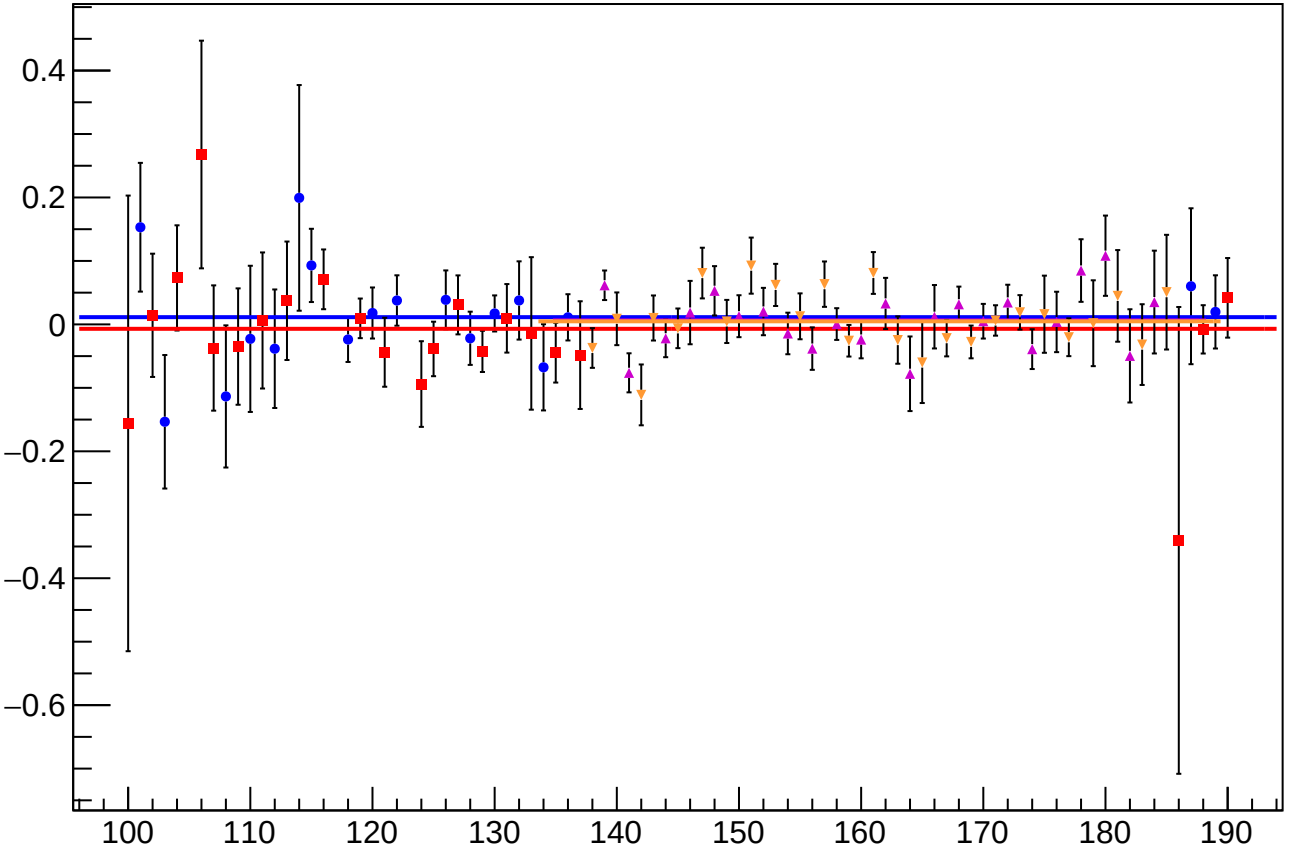
Right: 31.383+/-0.006 χ^2/NDF: 5826270.6/39

In: 29.503+/-0.004 χ^2/NDF:4667389.2/40

Out: 30.131+/-0.004 χ^2/NDF:6021278.6/46

All: 29.822+/-0.003 χ^2/NDF: 10698969.5/87

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.007+/-0.012 χ^2/NDF: 13.9/21

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

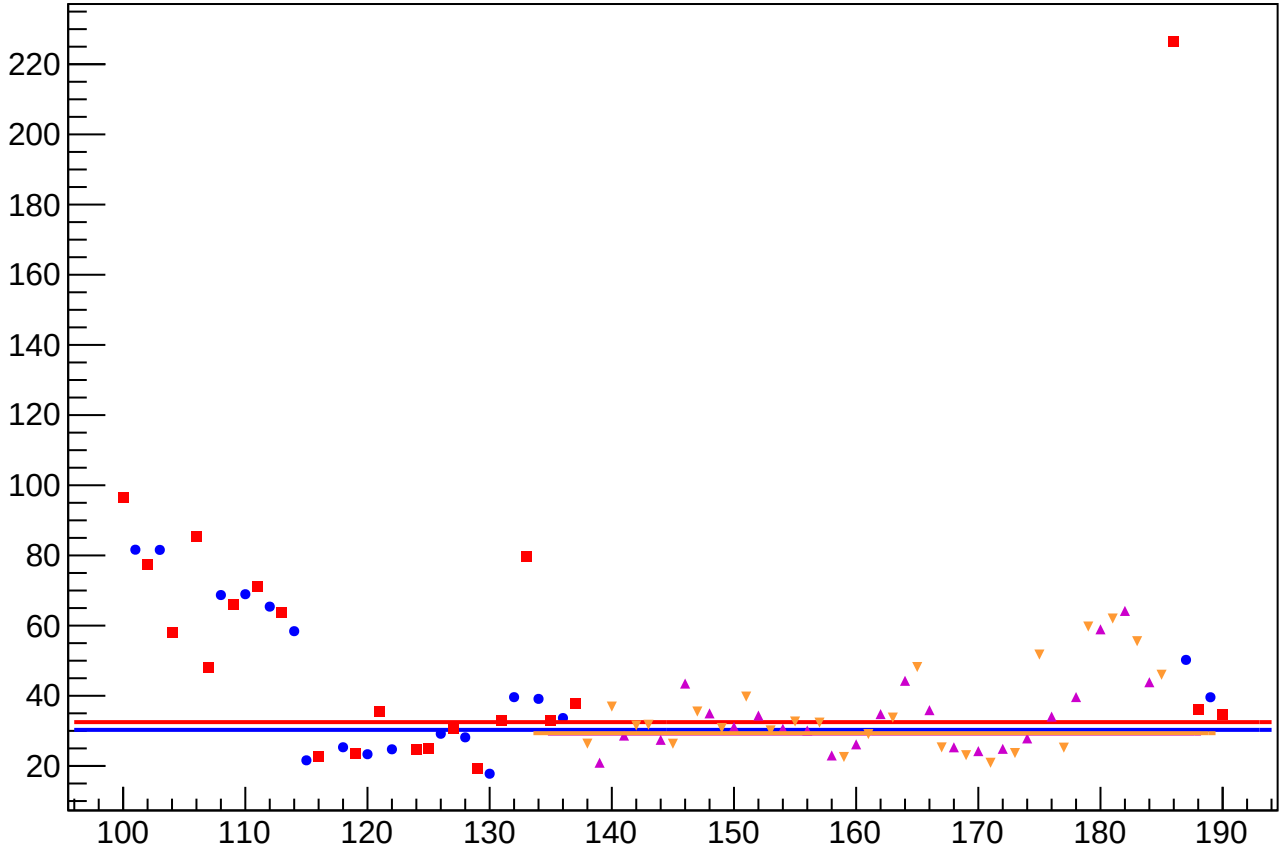
Right: 0.002+/-0.009 χ^2/NDF: 28.3/39

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.5/46

All: 0.005+/-0.004 χ^2/NDF: 93.4/87

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.493+/-0.009 χ^2/NDF: 3234900.5/21

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

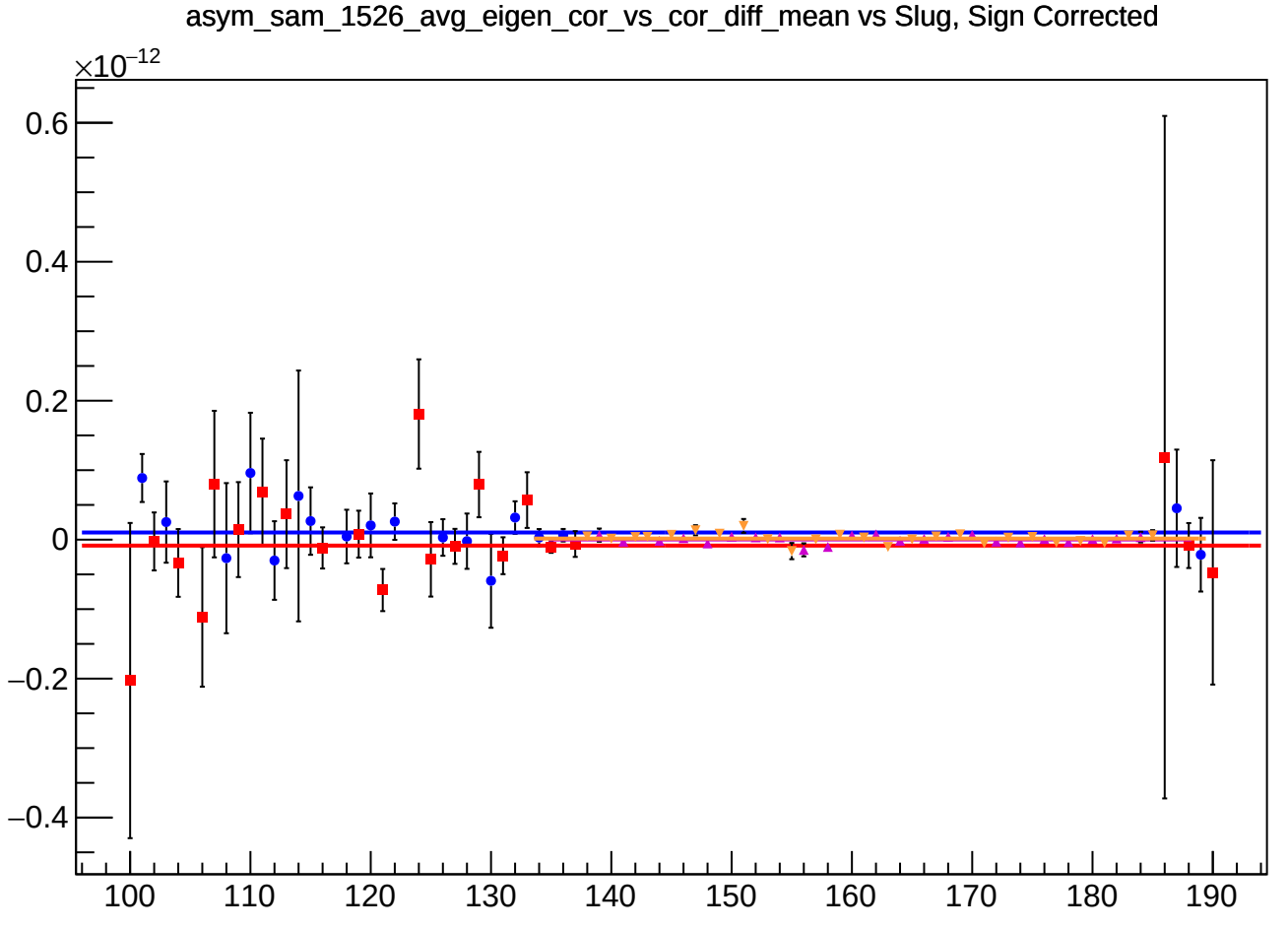
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.383+/-0.006 χ^2/NDF: 5826270.6/39

In: 29.503+/-0.004 χ^2/NDF:4667389.2/40

Out: 30.131+/-0.004 χ^2/NDF:6021278.6/46

All: 29.822+/-0.003 χ^2/NDF: 10698969.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

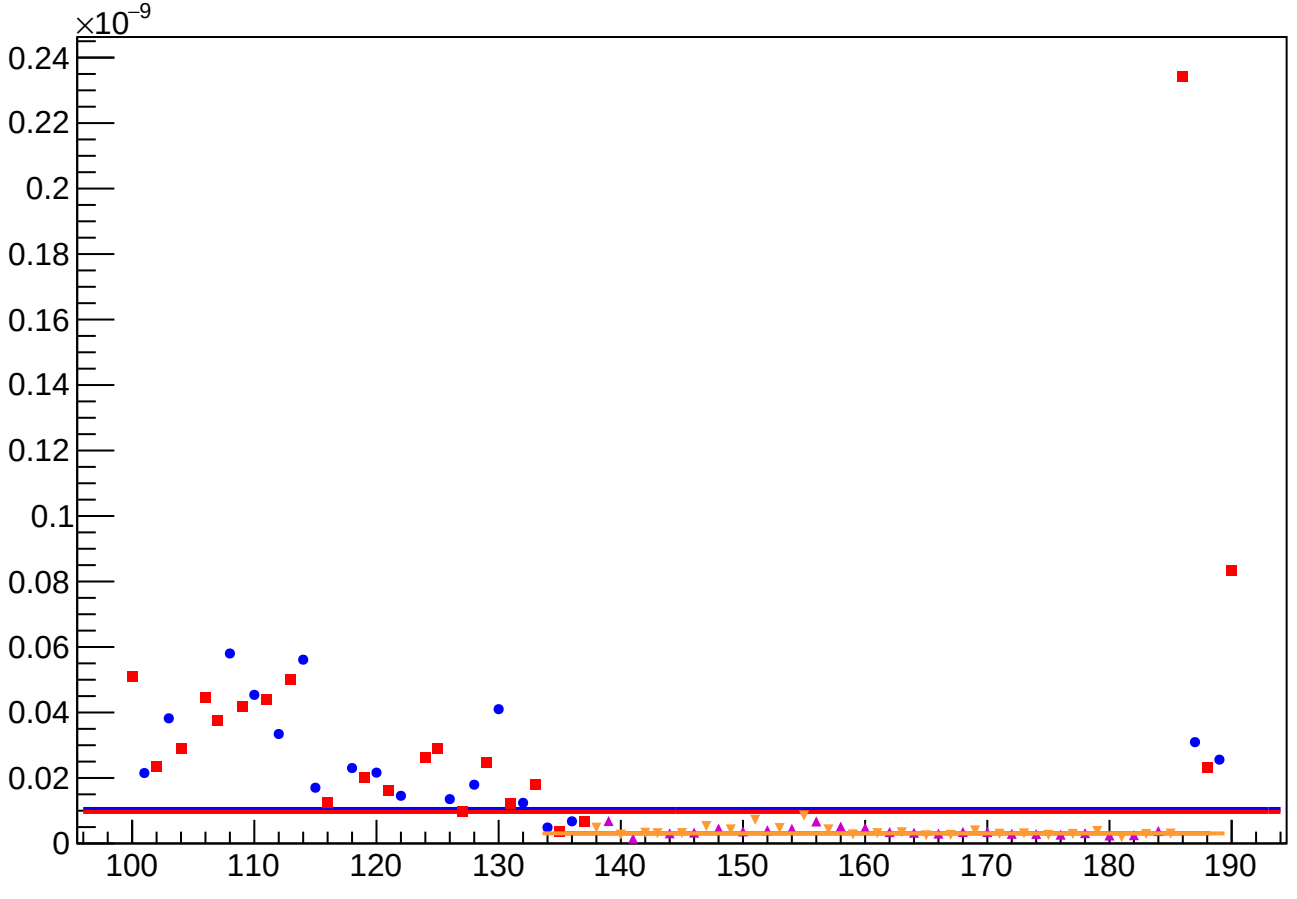
Right: 0.000+/-0.000 χ^2/NDF: 37.3/39

In: 0.000+/-0.000 χ^2/NDF:32.0/40

Out: 0.000+/-0.000 χ^2/NDF:59.5/46

All: 0.000+/-0.000 χ^2/NDF: 91.9/87

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3794696.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5715254.3/21

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

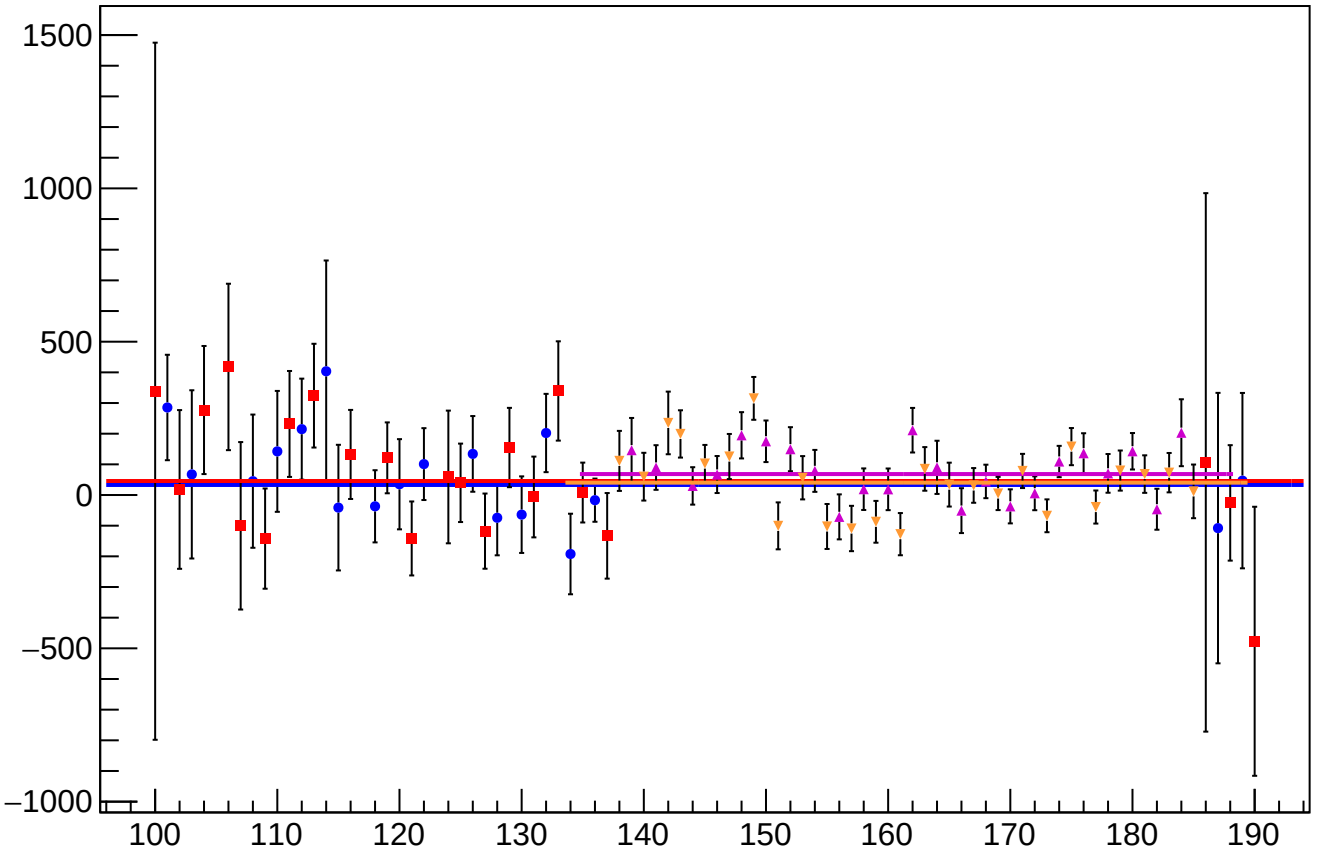
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9534012.9/39

In: 0.000+/-0.000 χ^2/NDF:9011312.5/40

Out: 0.000+/-0.000 χ^2/NDF:10206270.7/46

All: 0.000+/-0.000 χ^2/NDF: 19218573.5/87



Right In: 32.798+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 45.687+/-34.139 χ^2/NDF: 21.2/21

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

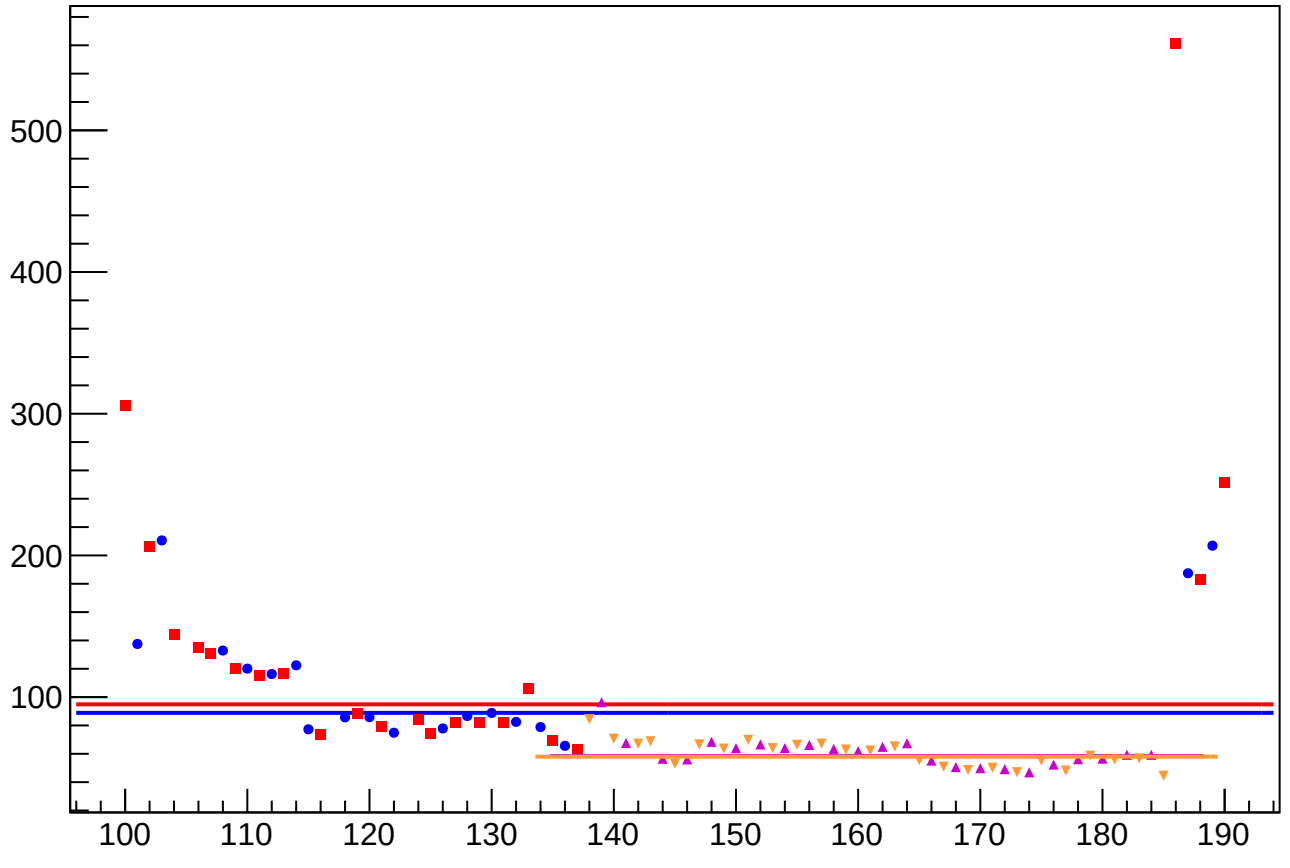
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 39.130+/-23.928 χ^2/NDF: 34.1/39

In: 63.158+/-12.815 χ^2/NDF:45.6/40

Out: 41.056+/-12.475 χ^2/NDF:80.6/46

All: 51.810+/-8.939 χ^2/NDF: 127.7/87



Right In: 88.903+/-0.024 χ^2/NDF: 1487617.3/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 94.902+/-0.024 χ^2/NDF: 2445605.3/21

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

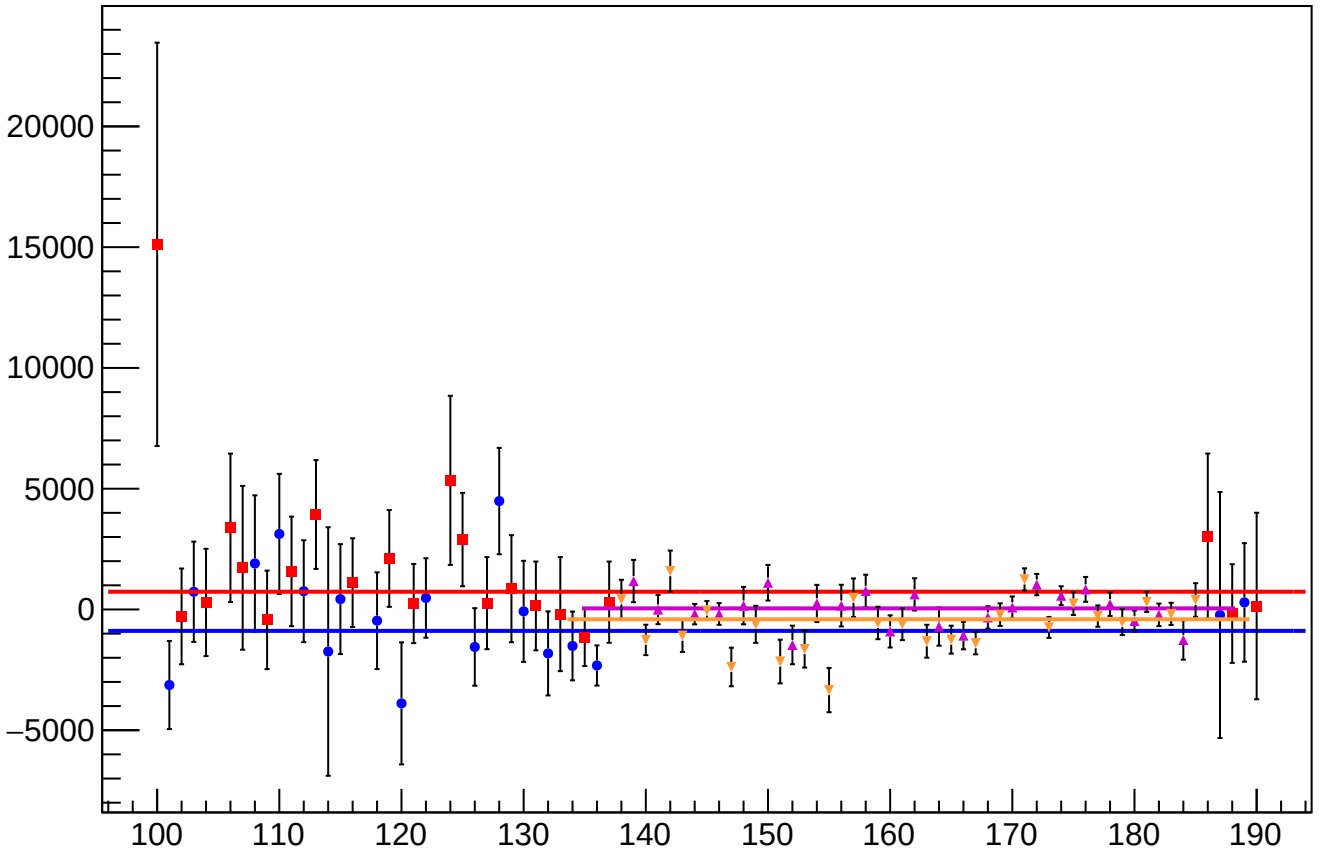
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 91.850+/-0.017 χ^2/NDF: 3964636.3/39

In: 62.848+/-0.009 χ^2/NDF:3635313.4/40

Out: 62.924+/-0.009 χ^2/NDF:5278512.0/46

All: 62.887+/-0.006 χ^2/NDF: 8913861.3/87



Right In: -886.841+/-432.377 χ^2/NDF: 18.8/17

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 734.354+/-449.005 χ^2/NDF: 13.7/21

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

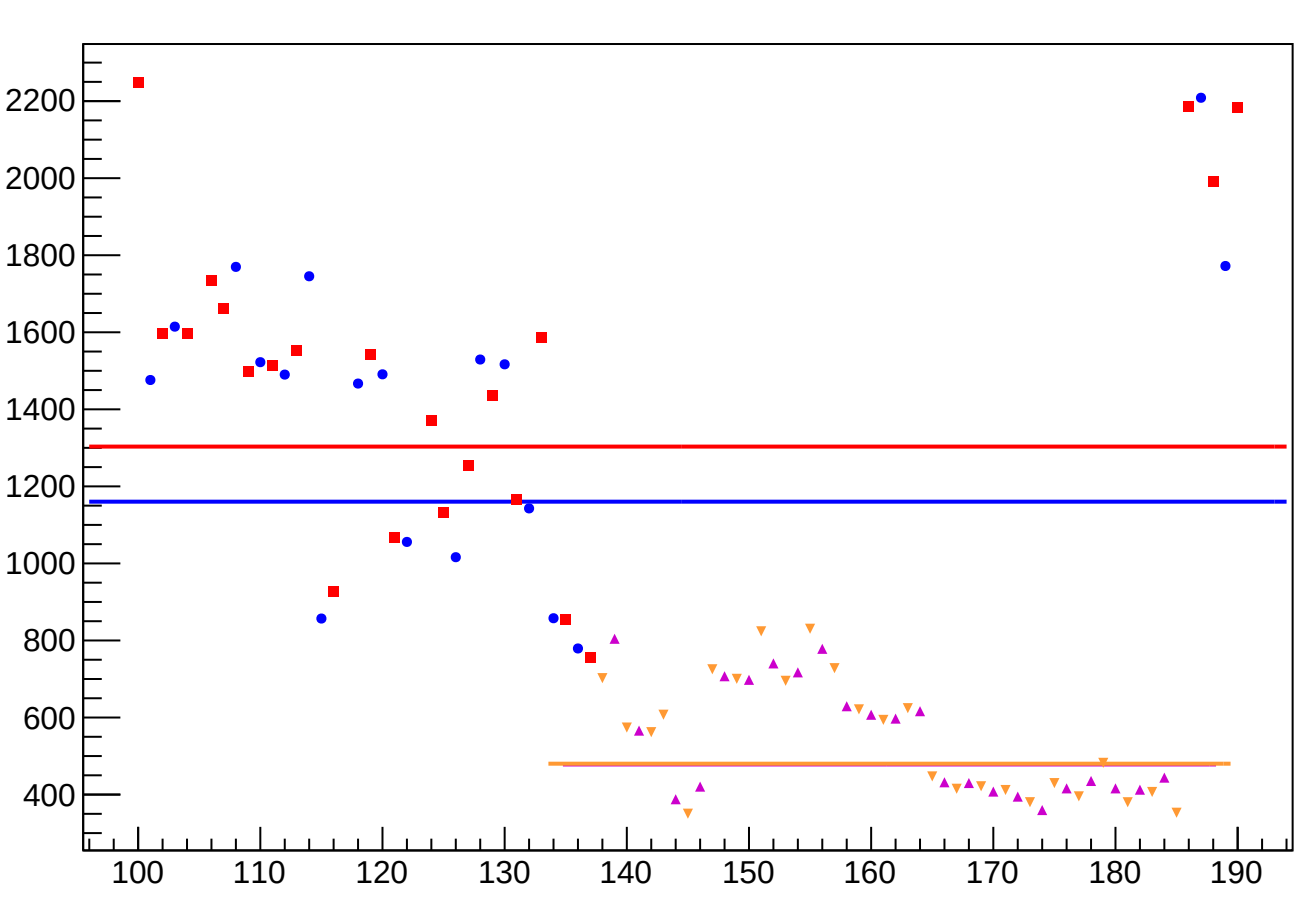
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -106.819+/-311.449 χ^2/NDF: 39.2/39

In: -17.489+/-111.826 χ^2/NDF:54.2/40

Out: -337.849+/-110.009 χ^2/NDF:82.9/46

All: -180.293+/-78.423 χ^2/NDF: 141.3/87



Right In: 1160.300+/-0.306 χ^2/NDF: 1341126.0/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1303.283+/-0.317 χ^2/NDF: 1400380.1/21

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

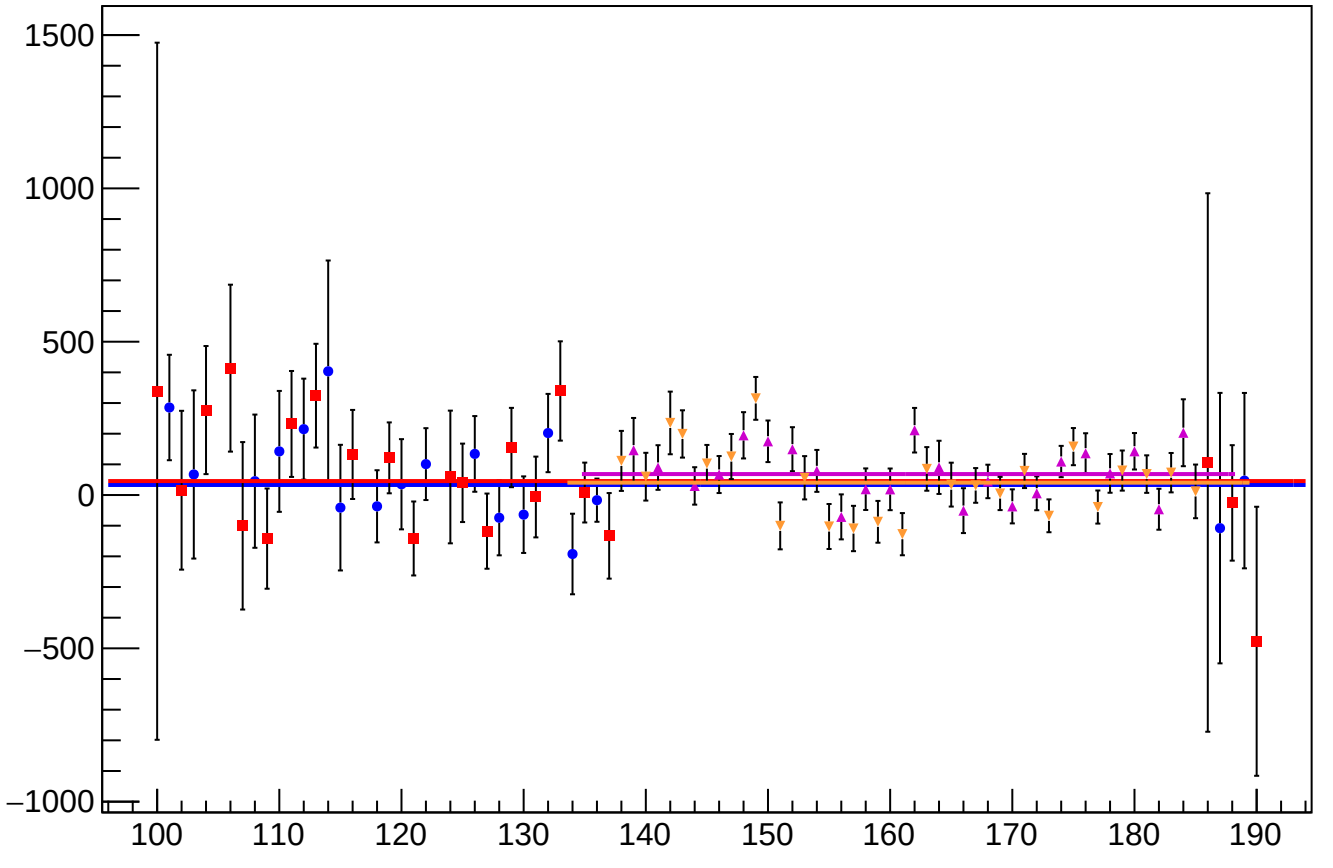
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1229.095+/-0.220 χ^2/NDF: 2846737.5/39

In: 523.717+/-0.079 χ^2/NDF:8202686.5/40

Out: 529.572+/-0.078 χ^2/NDF:10300450.4/46

All: 526.693+/-0.055 χ^2/NDF: 18505923.3/87



Right In: 32.790+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 45.543+/-34.141 χ^2/NDF: 21.1/21

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

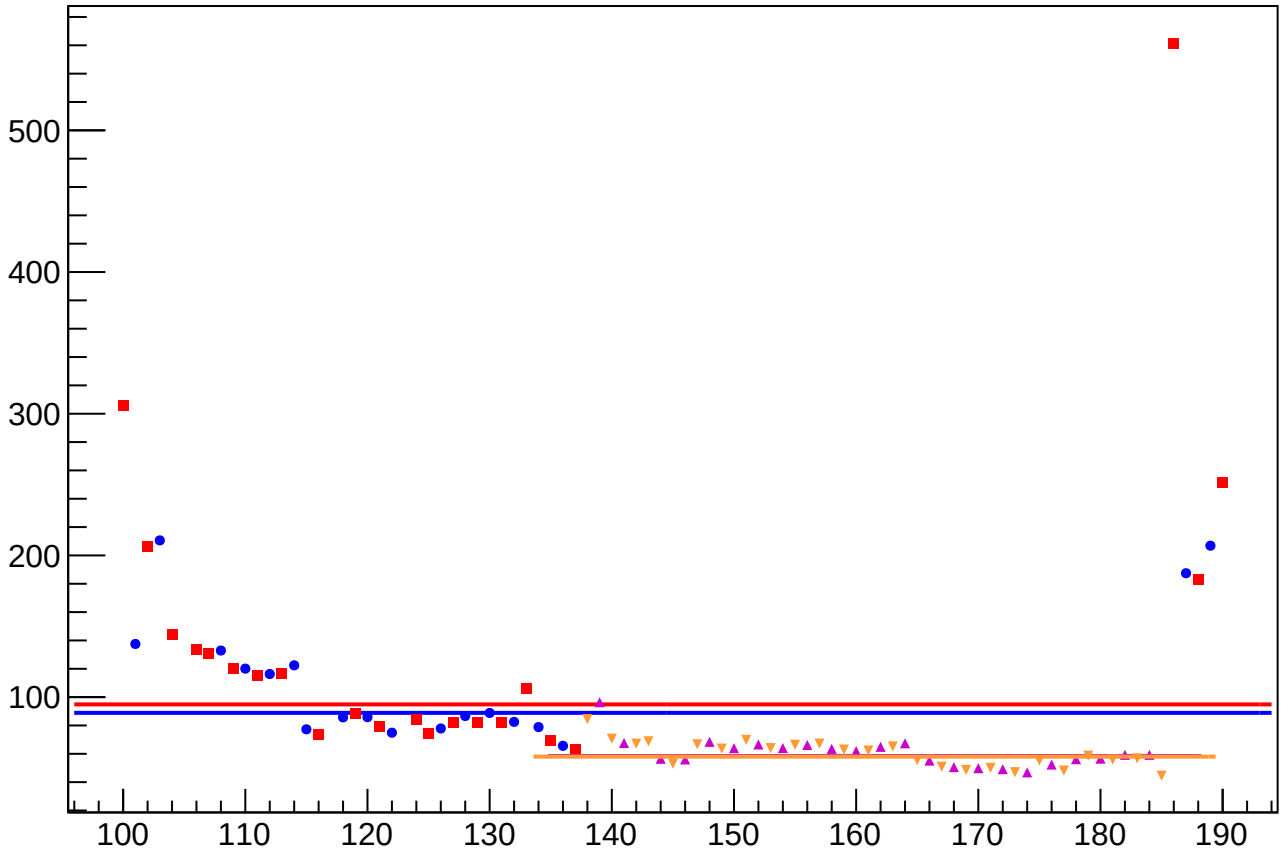
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 39.055+/-23.929 χ^2/NDF: 34.1/39

In: 63.156+/-12.815 χ^2/NDF:45.6/40

Out: 41.038+/-12.475 χ^2/NDF:80.5/46

All: 51.800+/-8.939 χ^2/NDF: 127.7/87



Right In: 88.903+/-0.024 χ^2/NDF: 1487620.1/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 94.867+/-0.024 χ^2/NDF: 2441487.0/21

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

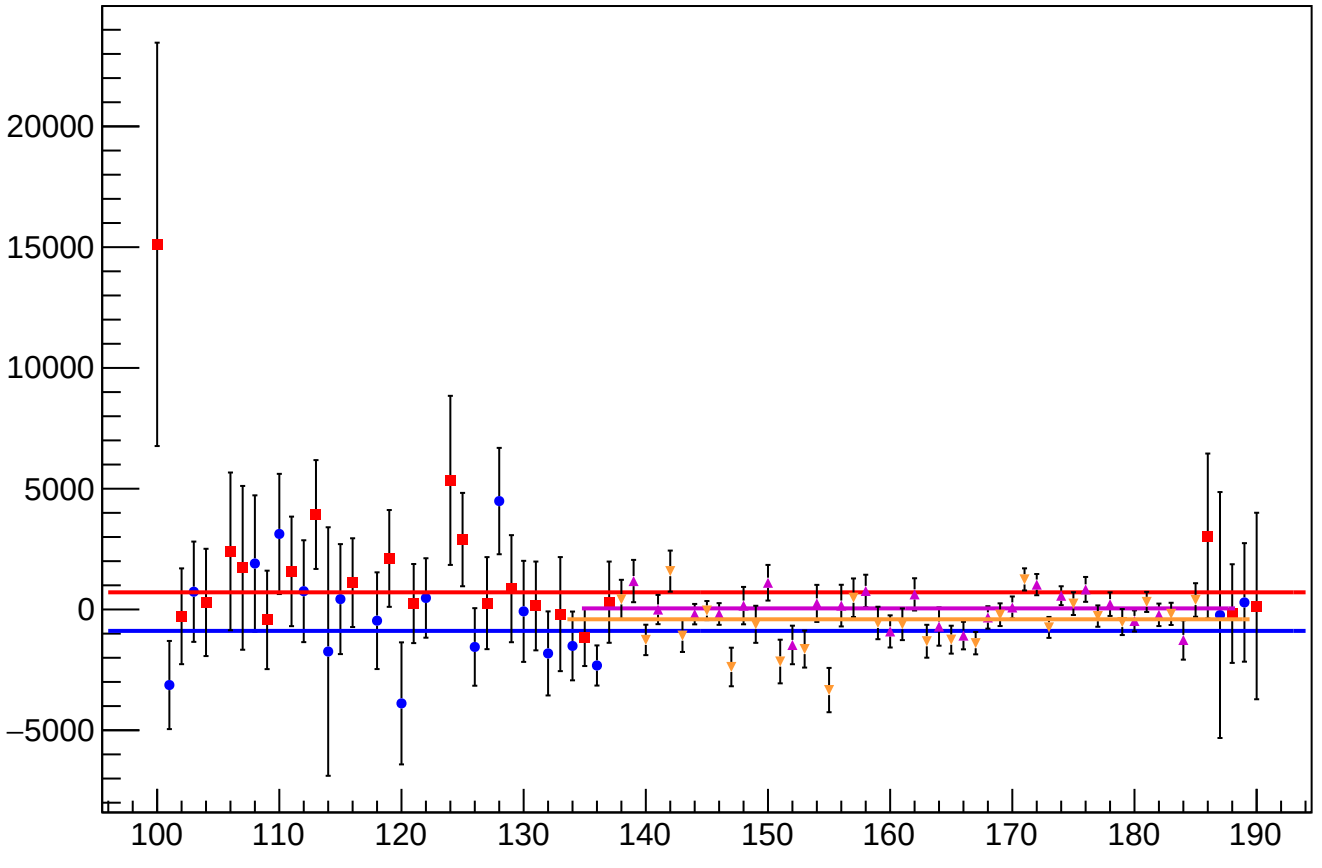
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 91.833+/-0.017 χ^2/NDF: 3960153.3/39

In: 62.848+/-0.009 χ^2/NDF:3635315.7/40

Out: 62.919+/-0.009 χ^2/NDF:5270345.8/46

All: 62.884+/-0.006 χ^2/NDF: 8905692.7/87



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 709.830+/-449.568 χ^2/NDF: 13.2/21

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

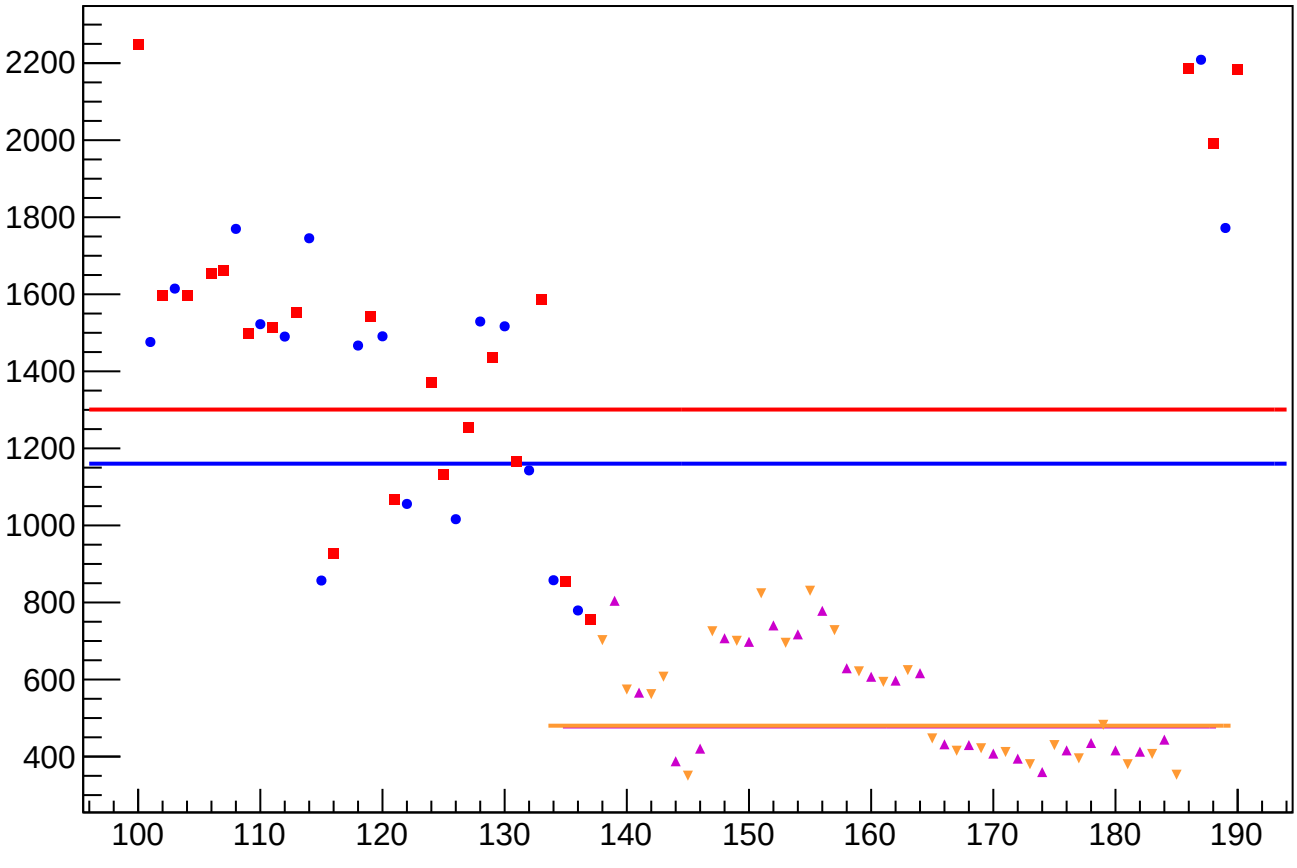
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

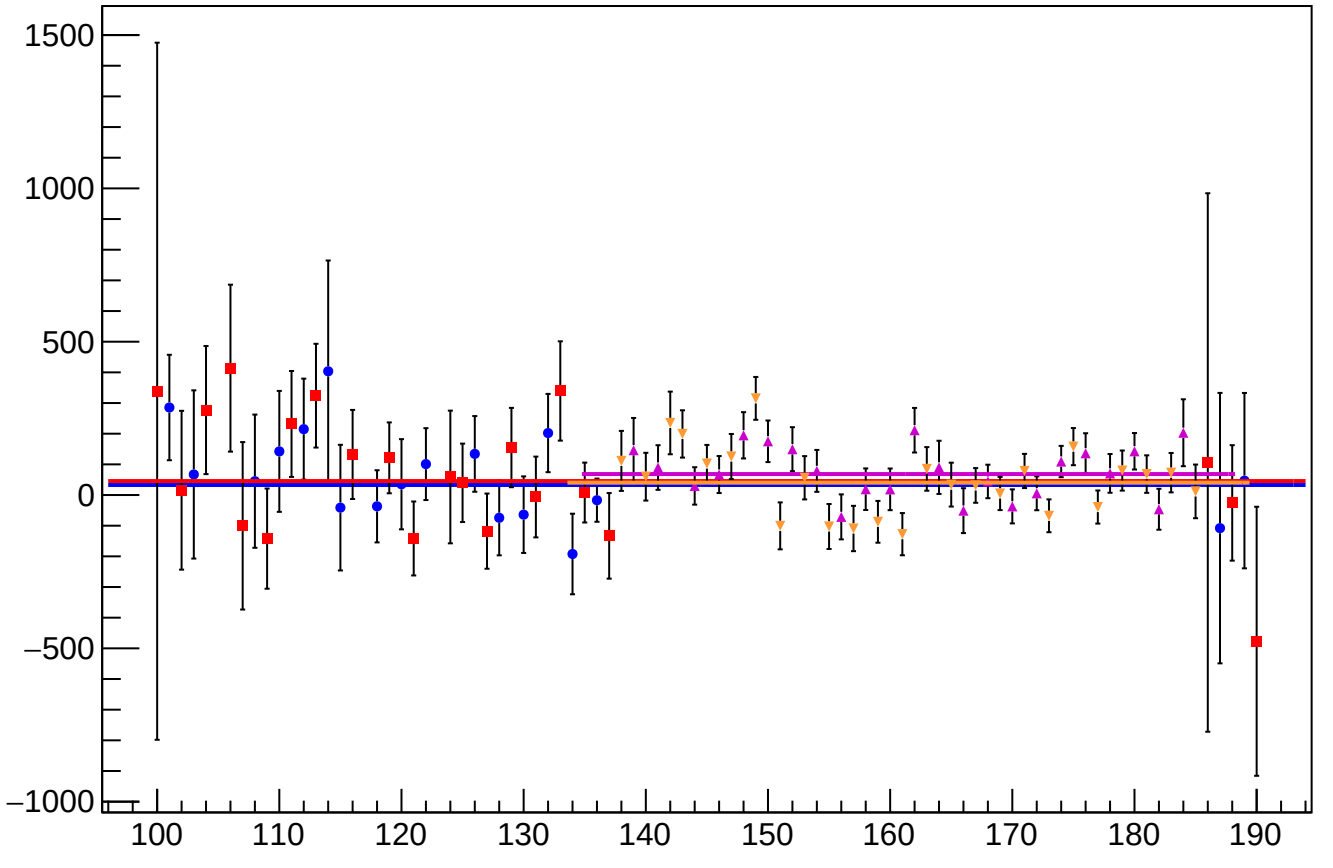
Right: -119.599+/-311.637 χ^2/NDF: 38.5/39

In: -17.487+/-111.826 χ^2/NDF:54.2/40

Out: -339.477+/-110.017 χ^2/NDF:82.2/46

All: -181.107+/-78.426 χ^2/NDF: 140.6/87


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
190
Right In: 1160.302+/-0.306 χ²/NDF: 1341161.7/17
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1300.794+/-0.318 χ²/NDF: 1384694.4/21
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1227.811+/-0.220 χ²/NDF: 2827321.5/39
In: 523.717+/-0.079 χ²/NDF:8202713.8/40
Out: 529.307+/-0.078 χ²/NDF:10231828.7/46
All: 526.558+/-0.055 χ²/NDF: 18437081.9/87



Right In: 32.790+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 45.543+/-34.141 χ^2/NDF: 21.1/21

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

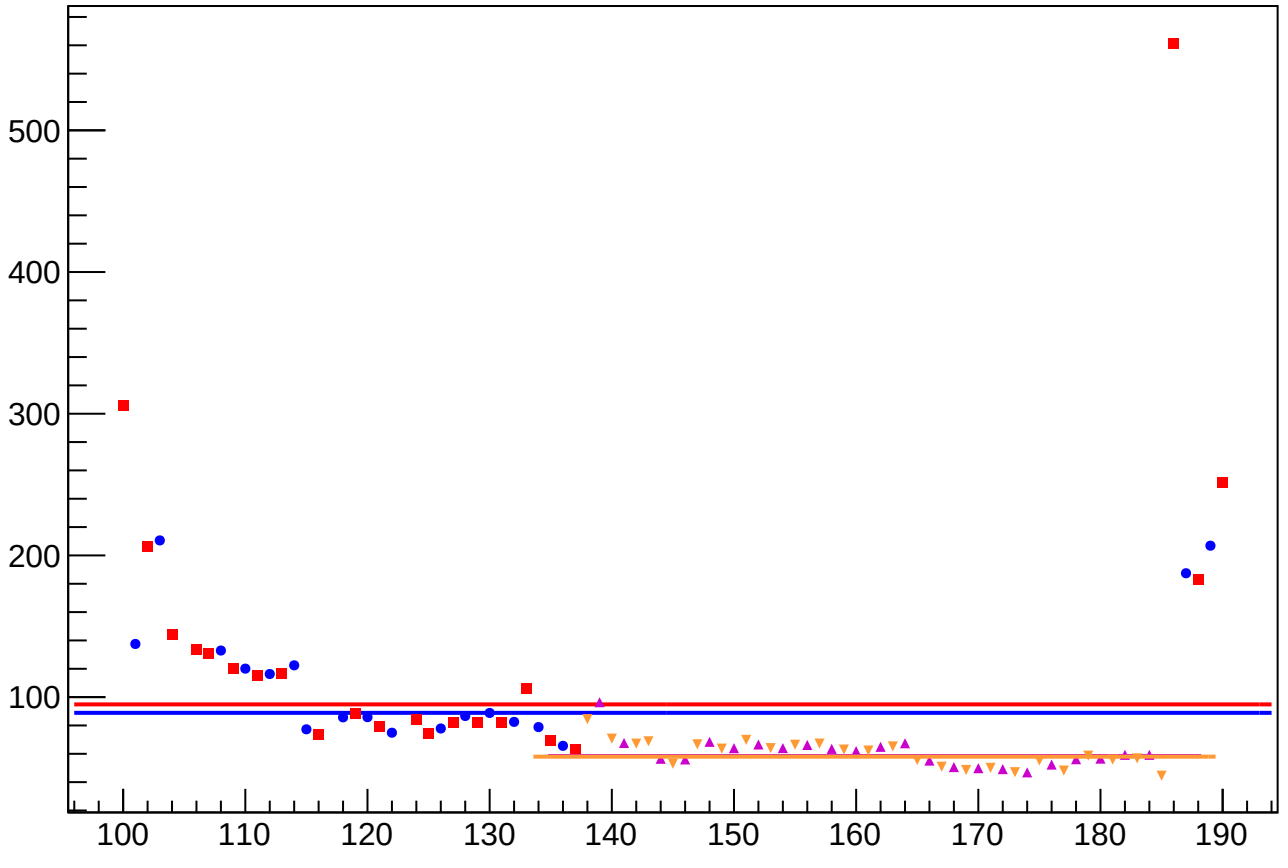
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 39.055+/-23.929 χ^2/NDF: 34.1/39

In: 63.156+/-12.815 χ^2/NDF:45.6/40

Out: 41.038+/-12.475 χ^2/NDF:80.5/46

All: 51.800+/-8.939 χ^2/NDF: 127.7/87



Right In: 88.903+/-0.024 χ^2/NDF: 1487620.1/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 94.867+/-0.024 χ^2/NDF: 2441487.0/21

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

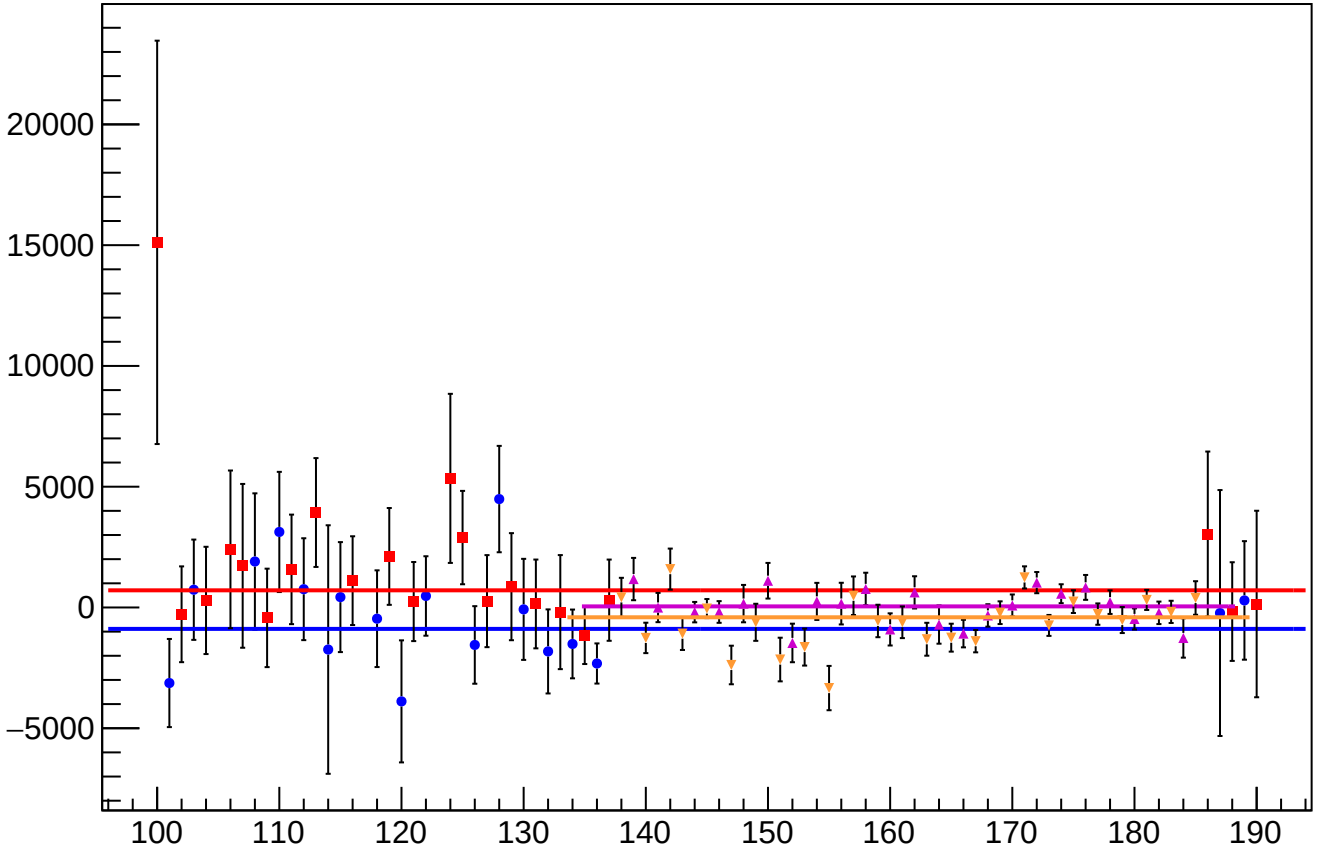
Right: 91.833+/-0.017 χ^2/NDF: 3960153.3/39

In: 62.848+/-0.009 χ^2/NDF:3635315.7/40

Out: 62.919+/-0.009 χ^2/NDF:5270345.8/46

All: 62.884+/-0.006 χ^2/NDF: 8905692.7/87

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 709.830+/-449.568 χ^2/NDF: 13.2/21

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

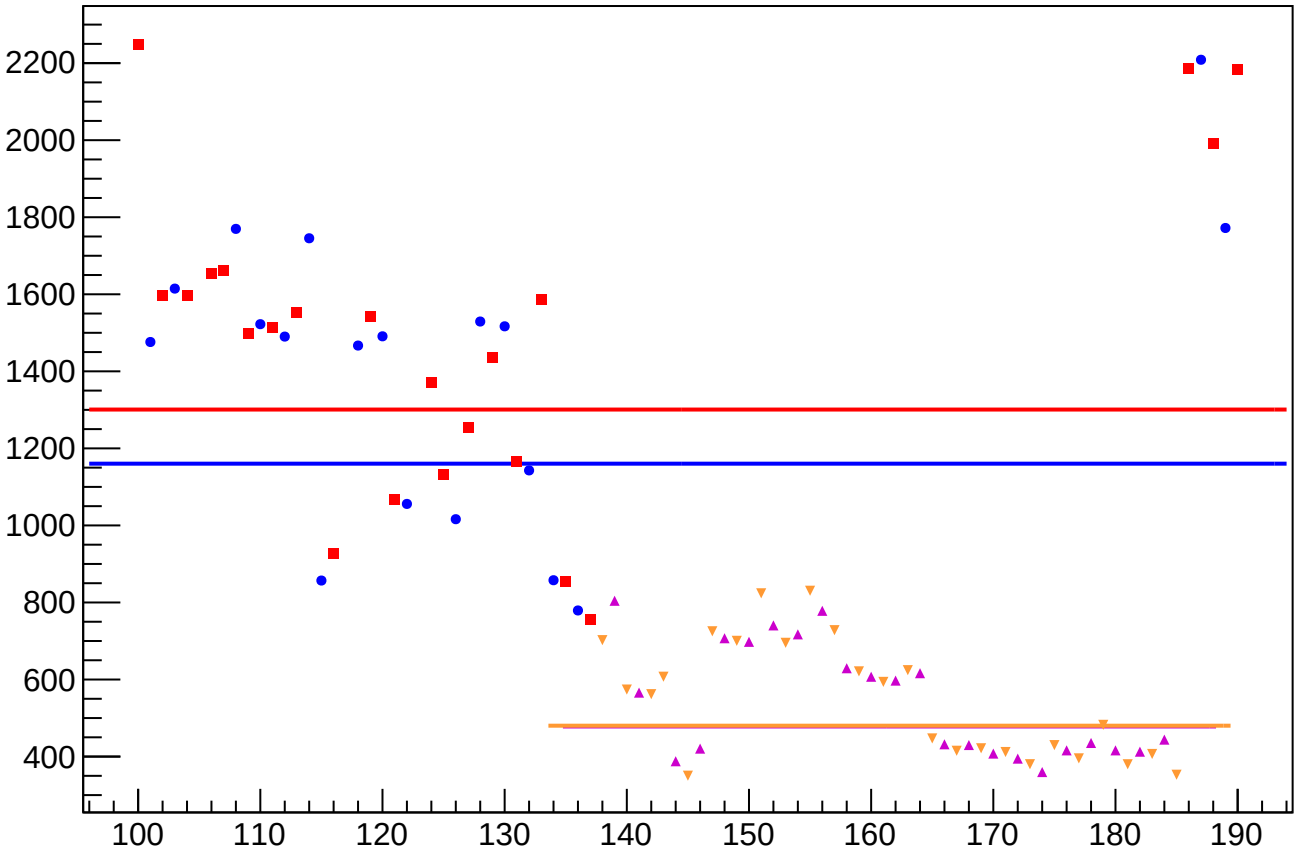
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -119.599+/-311.637 χ^2/NDF: 38.5/39

In: -17.487+/-111.826 χ^2/NDF:54.2/40

Out: -339.477+/-110.017 χ^2/NDF:82.2/46

All: -181.107+/-78.426 χ^2/NDF: 140.6/87



Right In: 1160.302+/-0.306 χ^2/NDF: 1341161.7/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1300.794+/-0.318 χ^2/NDF: 1384694.4/21

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

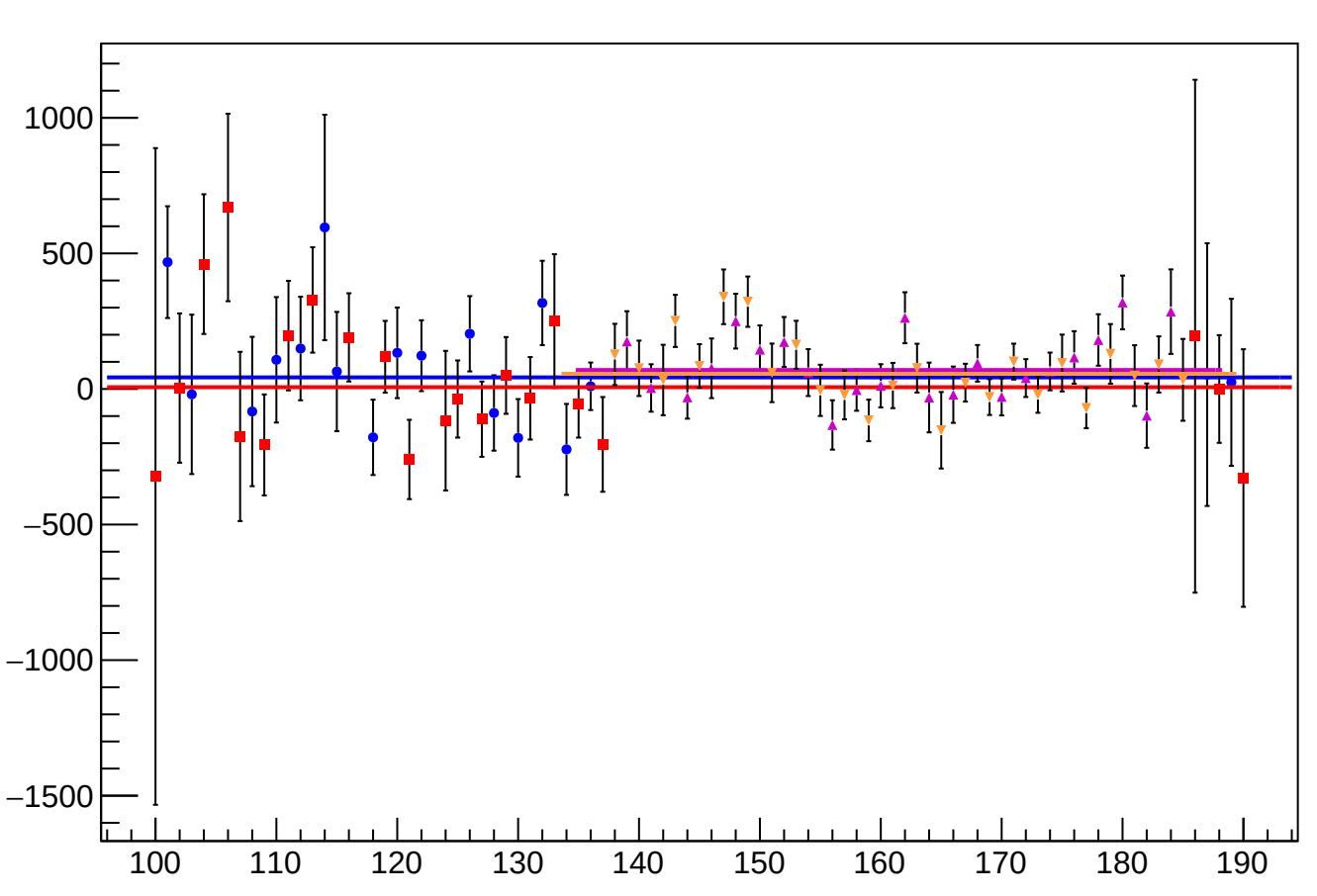
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1227.811+/-0.220 χ^2/NDF: 2827321.5/39

In: 523.717+/-0.079 χ^2/NDF:8202713.8/40

Out: 529.307+/-0.078 χ^2/NDF:10231828.7/46

All: 526.558+/-0.055 χ^2/NDF: 18437081.9/87



Right In: 42.677+/-39.484 χ^2/NDF: 20.3/17

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 6.555+/-40.030 χ^2/NDF: 21.9/21

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

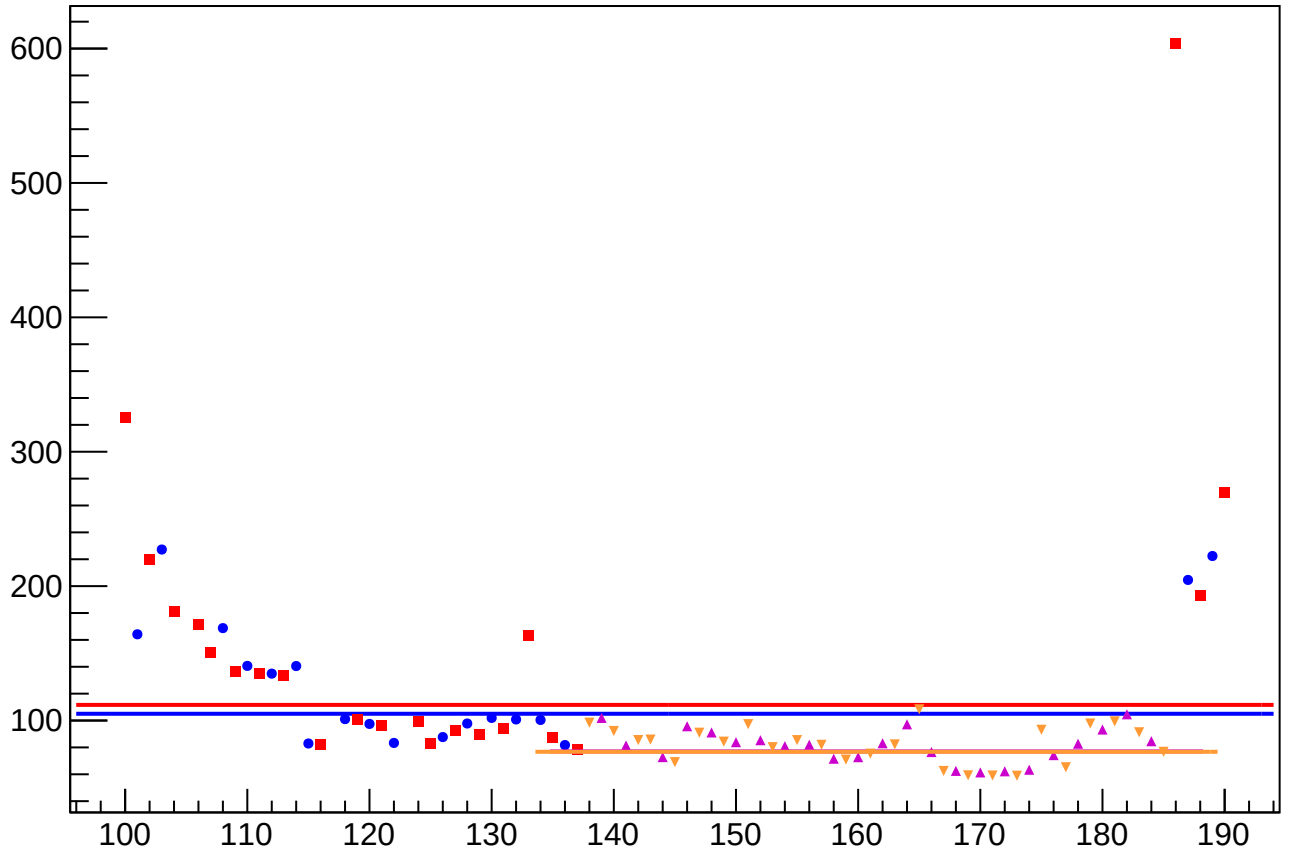
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 24.864+/-28.111 χ^2/NDF: 42.6/39

In: 64.955+/-16.750 χ^2/NDF:55.2/40

Out: 47.680+/-16.378 χ^2/NDF:61.5/46

All: 56.124+/-11.710 χ^2/NDF: 117.2/87



Right In: 105.029+/-0.028 χ^2/NDF: 1365927.0/17

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 111.632+/-0.028 χ^2/NDF: 2329893.8/21

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

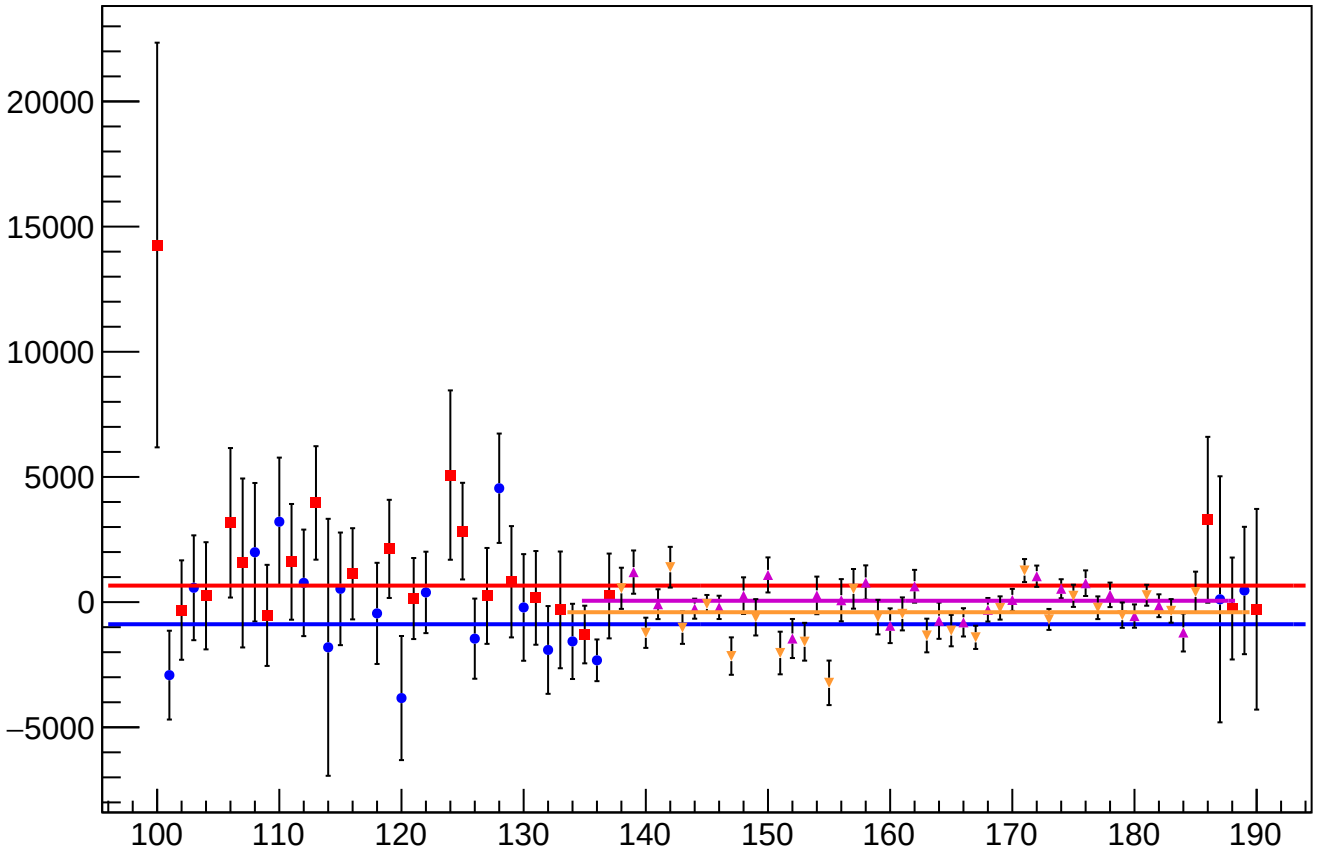
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 108.285+/-0.020 χ^2/NDF: 3723401.3/39

In: 82.059+/-0.012 χ^2/NDF:3050207.2/40

Out: 82.584+/-0.012 χ^2/NDF:4829368.4/46

All: 82.327+/-0.008 χ^2/NDF: 7880580.5/87



Right In: -883.466+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 659.950+/-444.764 χ^2/NDF: 14.4/21

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

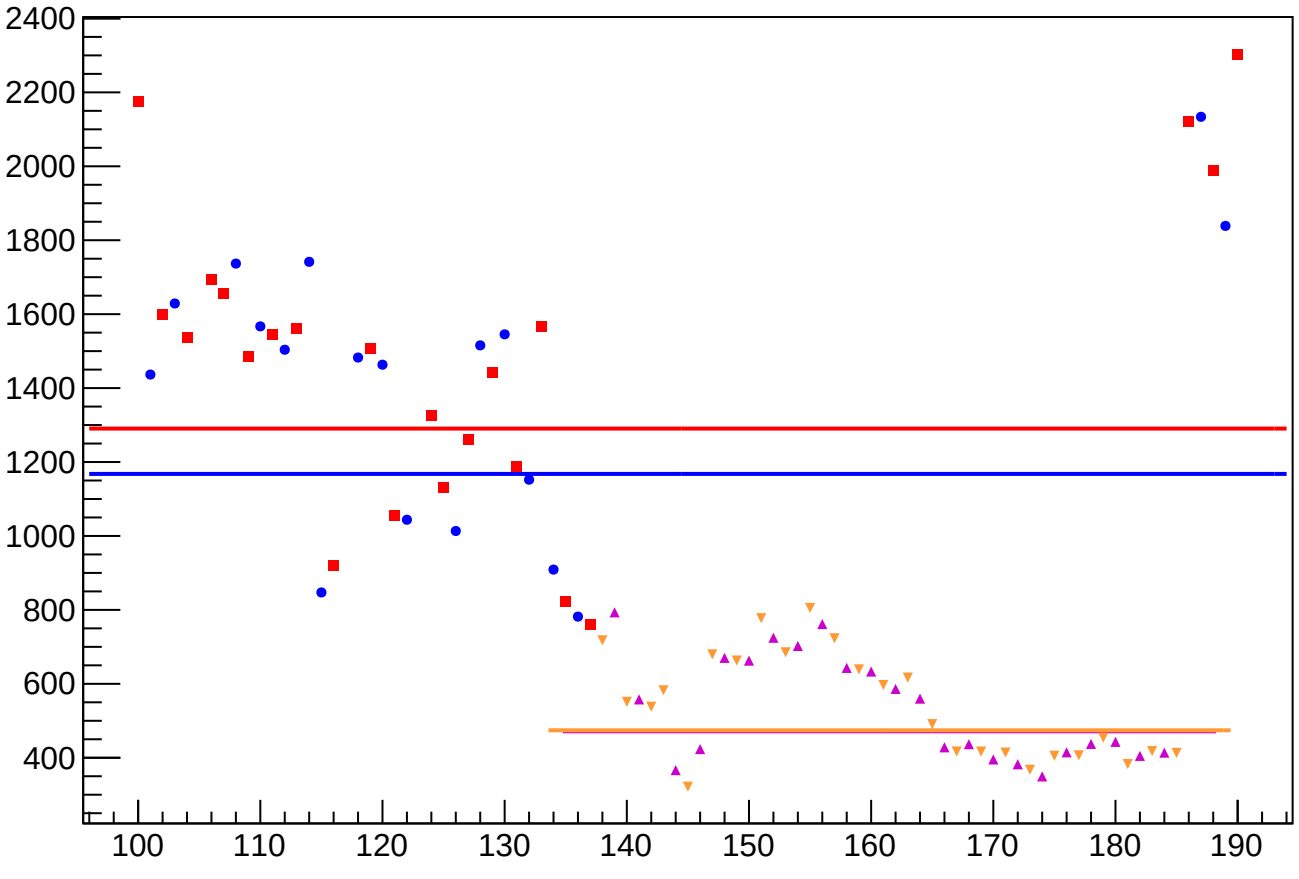
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -129.845+/-310.788 χ^2/NDF: 39.3/39

In: -6.430+/-110.469 χ^2/NDF:53.8/40

Out: -340.209+/-108.402 χ^2/NDF:80.5/46

All: -176.471+/-77.372 χ^2/NDF: 139.0/87



Right In: 1167.824+/-0.307 χ^2/NDF: 1317952.9/17

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1290.493+/-0.314 χ^2/NDF: 1450599.5/21

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

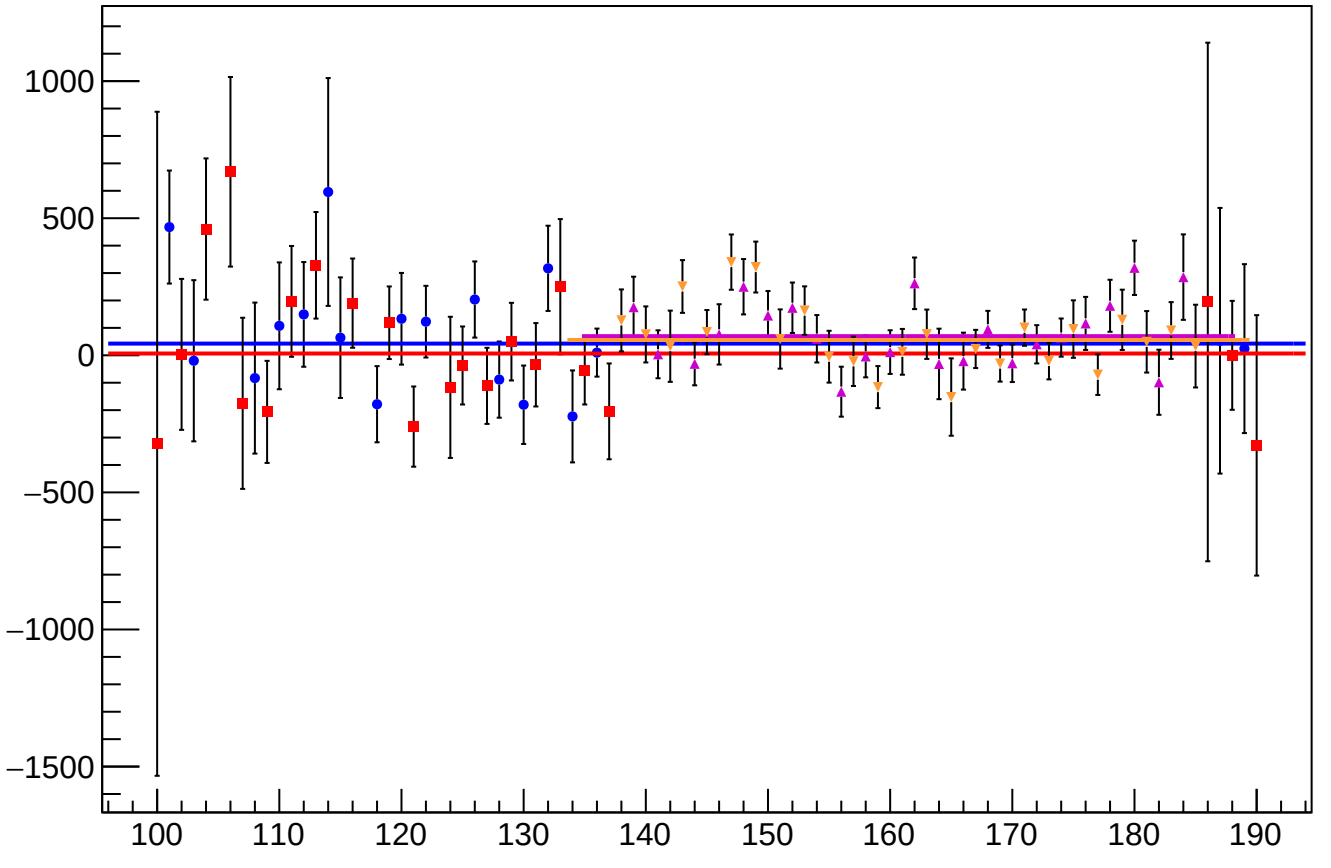
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1227.721+/-0.220 χ^2/NDF: 2846404.1/39

In: 516.478+/-0.078 χ^2/NDF:8333282.8/40

Out: 522.780+/-0.077 χ^2/NDF:10324865.7/46

All: 519.688+/-0.055 χ^2/NDF: 18661464.3/87



Right In: 42.677+/-39.484 χ^2/NDF: 20.3/17

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 6.552+/-40.030 χ^2/NDF: 21.9/21

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

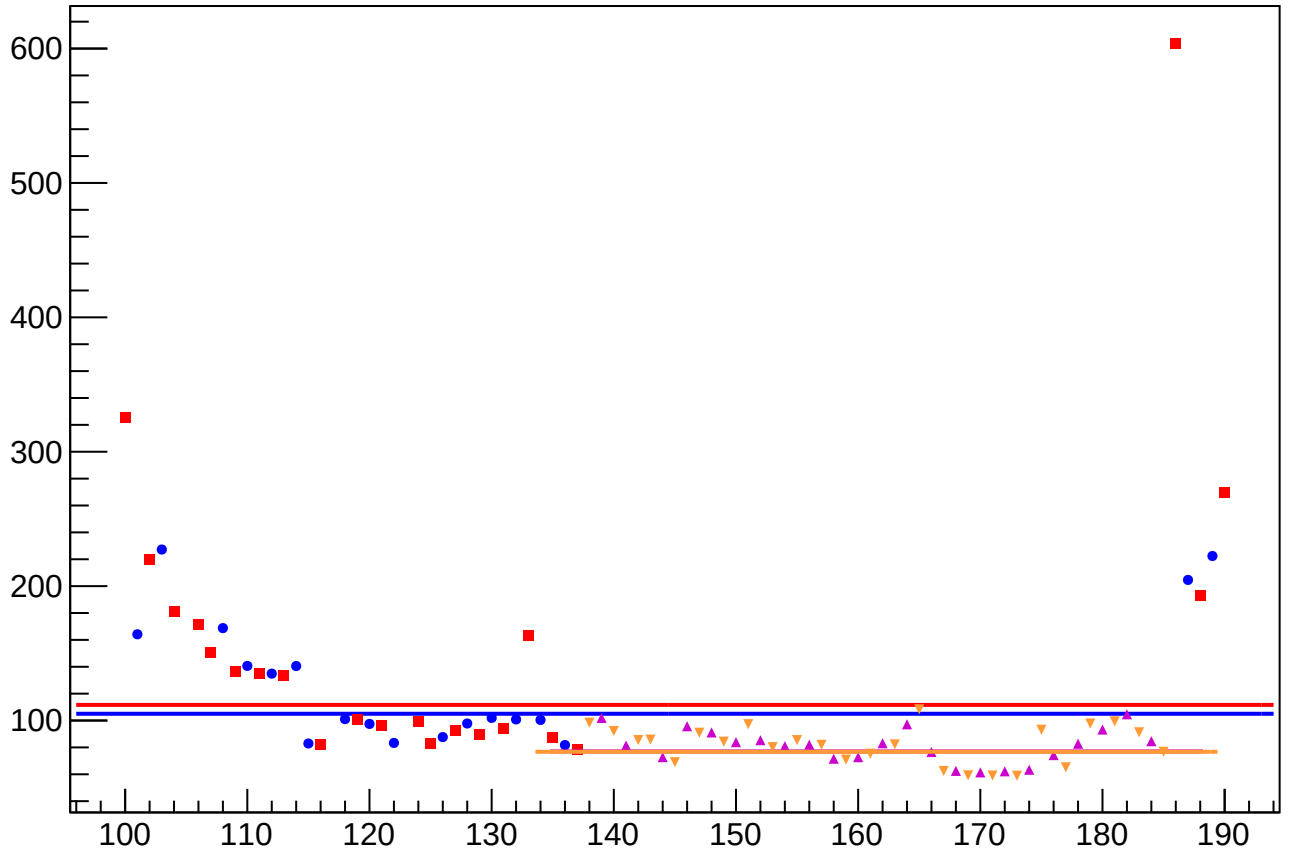
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 24.863+/-28.111 χ^2/NDF: 42.6/39

In: 64.954+/-16.750 χ^2/NDF:55.2/40

Out: 47.679+/-16.378 χ^2/NDF:61.5/46

All: 56.123+/-11.710 χ^2/NDF: 117.2/87



Right In: 105.029+/-0.028 χ^2/NDF: 1365926.0/17

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 111.632+/-0.028 χ^2/NDF: 2329900.0/21

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

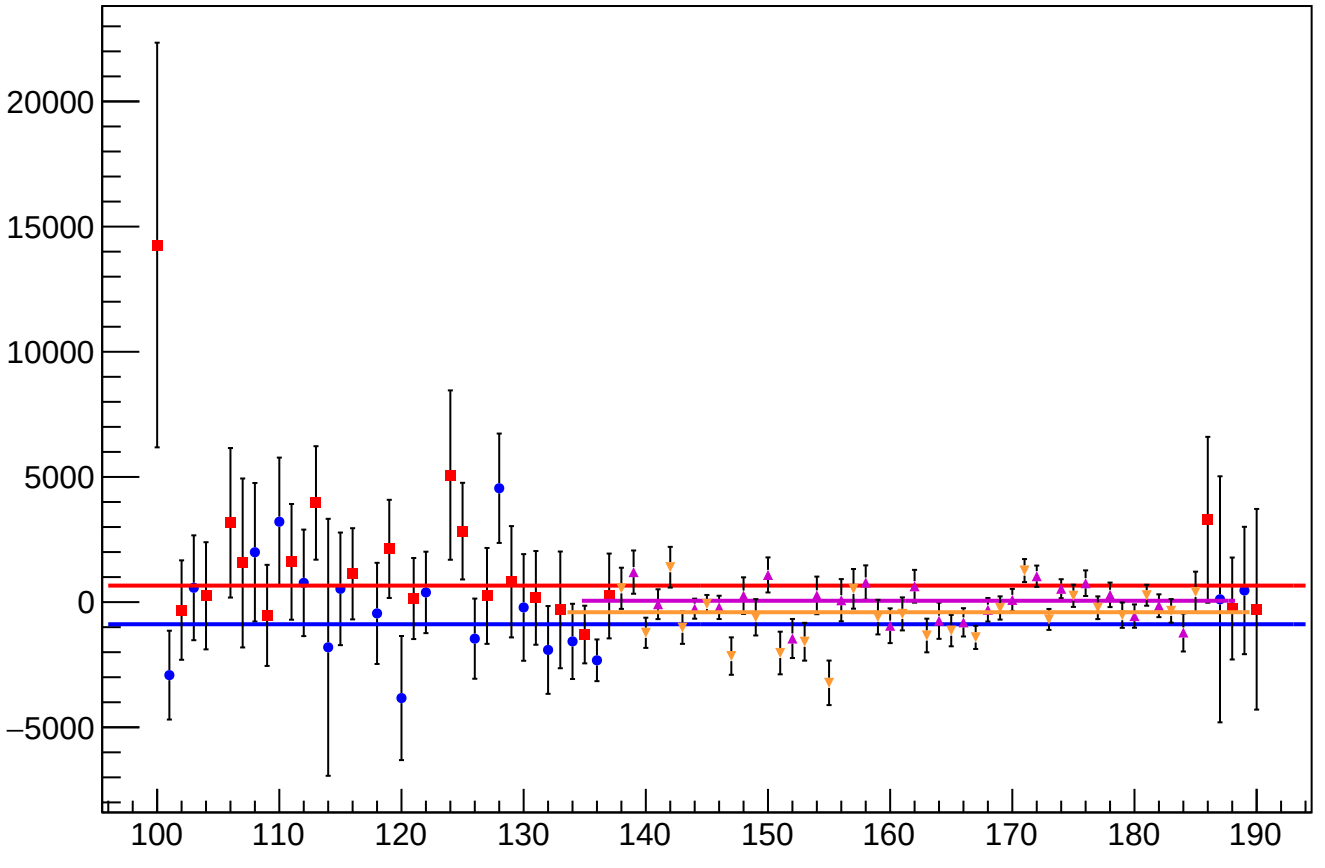
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 108.285+/-0.020 χ^2/NDF: 3723407.8/39

In: 82.059+/-0.012 χ^2/NDF:3050168.7/40

Out: 82.584+/-0.012 χ^2/NDF:4829347.8/46

All: 82.327+/-0.008 χ^2/NDF: 7880521.4/87



Right In: -883.462+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 659.951+/-444.763 χ^2/NDF: 14.4/21

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

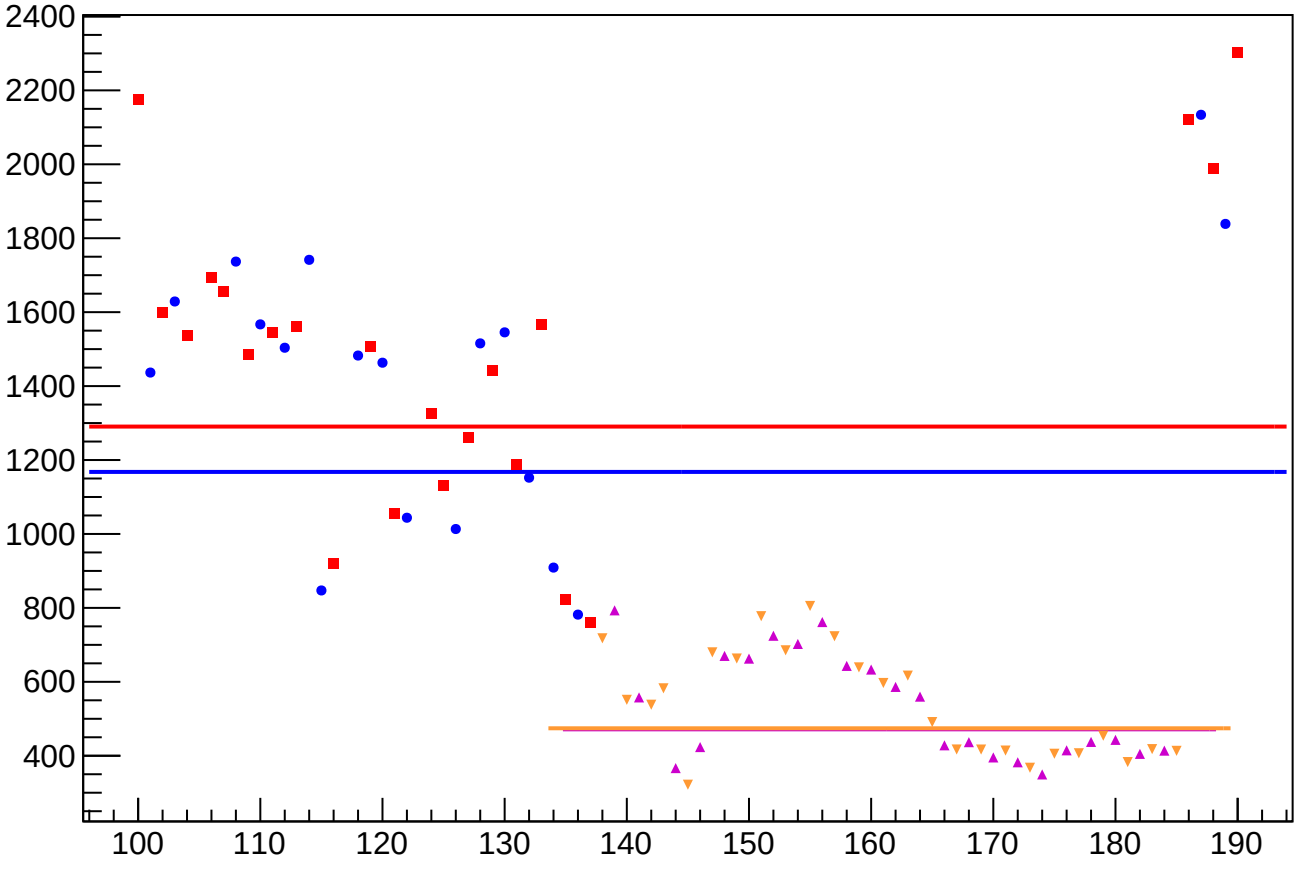
Right: -129.843+/-310.788 χ^2/NDF: 39.3/39

In: -6.430+/-110.469 χ^2/NDF:53.8/40

Out: -340.208+/-108.402 χ^2/NDF:80.5/46

All: -176.471+/-77.372 χ^2/NDF: 139.0/87

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1167.823+/-0.307 χ^2/NDF: 1317940.7/17

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1290.491+/-0.314 χ^2/NDF: 1450590.7/21

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

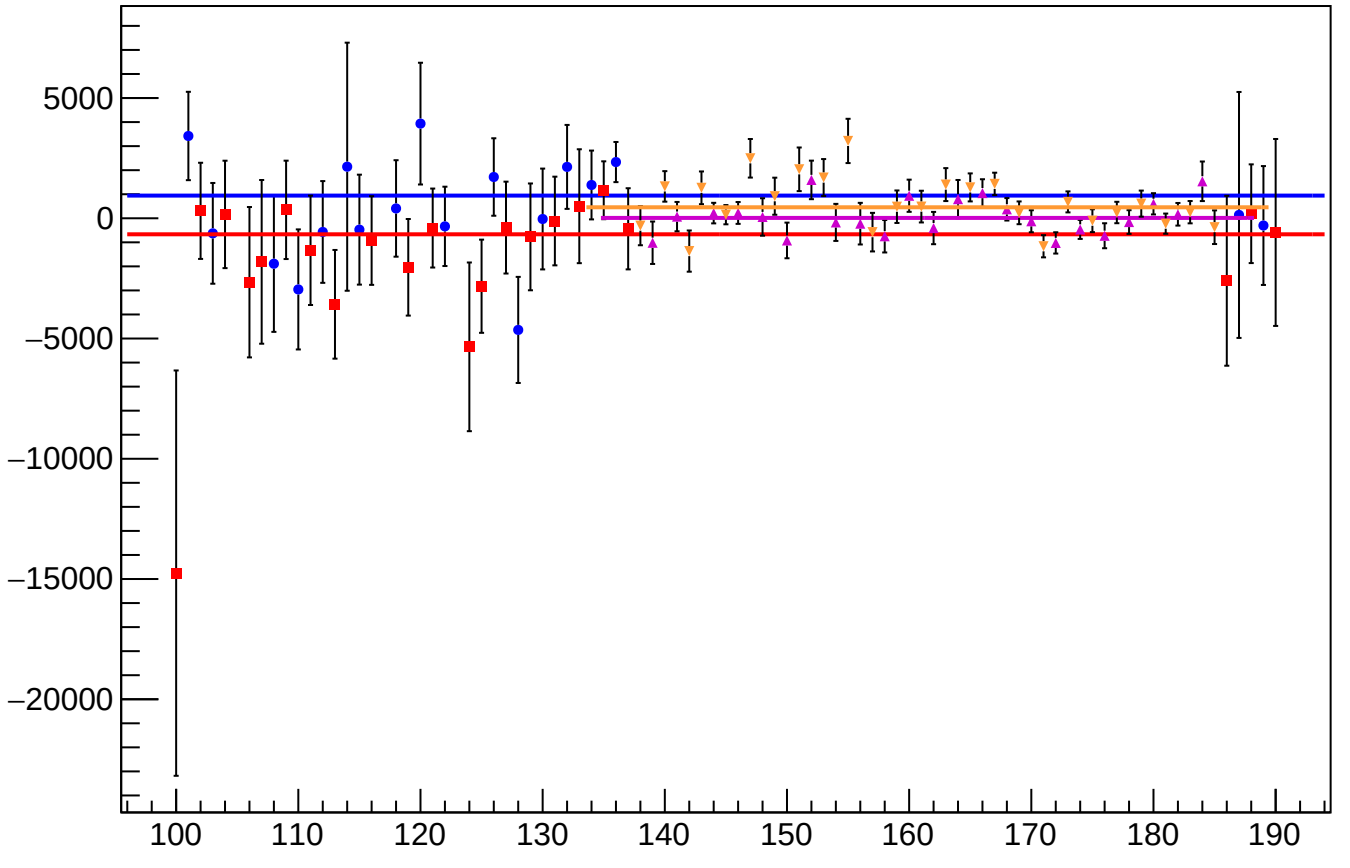
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1227.719+/-0.220 χ^2/NDF: 2846382.6/39

In: 516.478+/-0.078 χ^2/NDF:8333264.4/40

Out: 522.779+/-0.077 χ^2/NDF:10324857.7/46

All: 519.688+/-0.055 χ^2/NDF: 18661437.8/87



Right In: 943.380+/-434.128 χ^2/NDF: 19.3/17

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -665.858+/-450.957 χ^2/NDF: 12.4/21

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

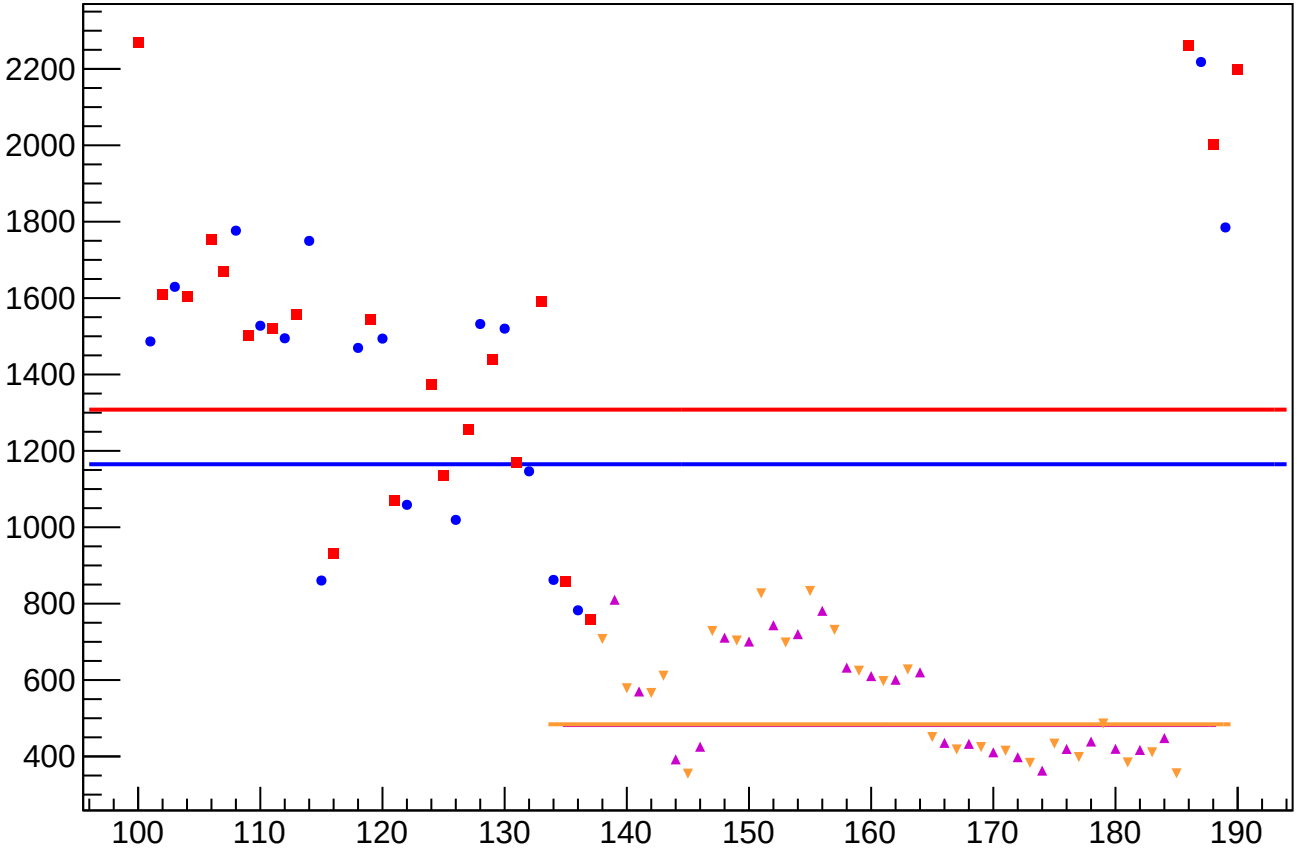
Right: 169.347+/-312.755 χ^2/NDF: 38.3/39

In: 77.649+/-112.700 χ^2/NDF:53.9/40

Out: 389.431+/-110.843 χ^2/NDF:77.6/46

All: 236.129+/-79.026 χ^2/NDF: 135.4/87

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1164.996+/-0.307 χ^2/NDF: 1342232.6/17

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1307.971+/-0.319 χ^2/NDF: 1419602.3/21

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

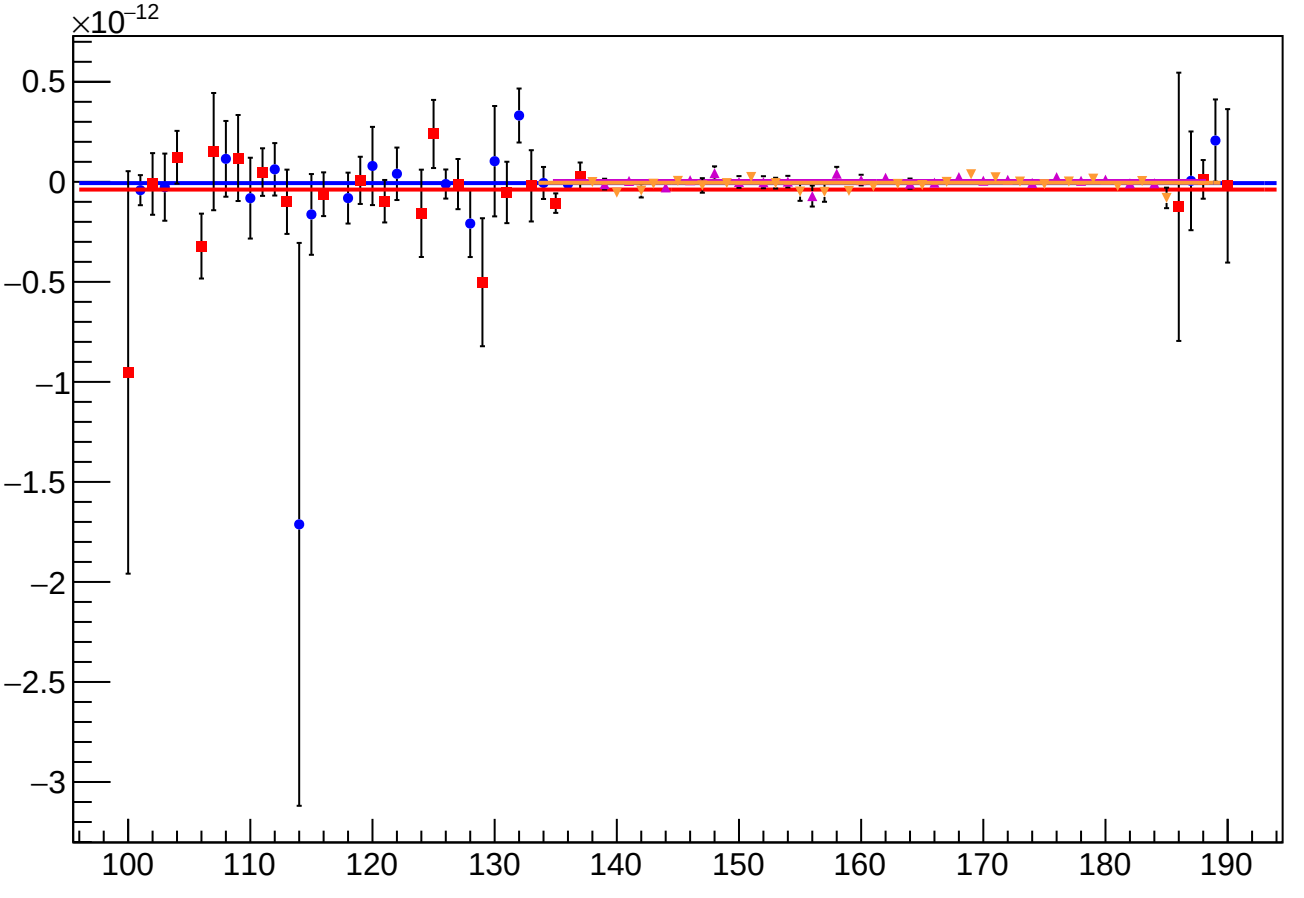
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1233.766+/-0.221 χ^2/NDF: 2866175.0/39

In: 528.178+/-0.080 χ^2/NDF:8143440.2/40

Out: 533.901+/-0.078 χ^2/NDF:10239780.3/46

All: 531.087+/-0.056 χ^2/NDF: 18385842.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/21

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

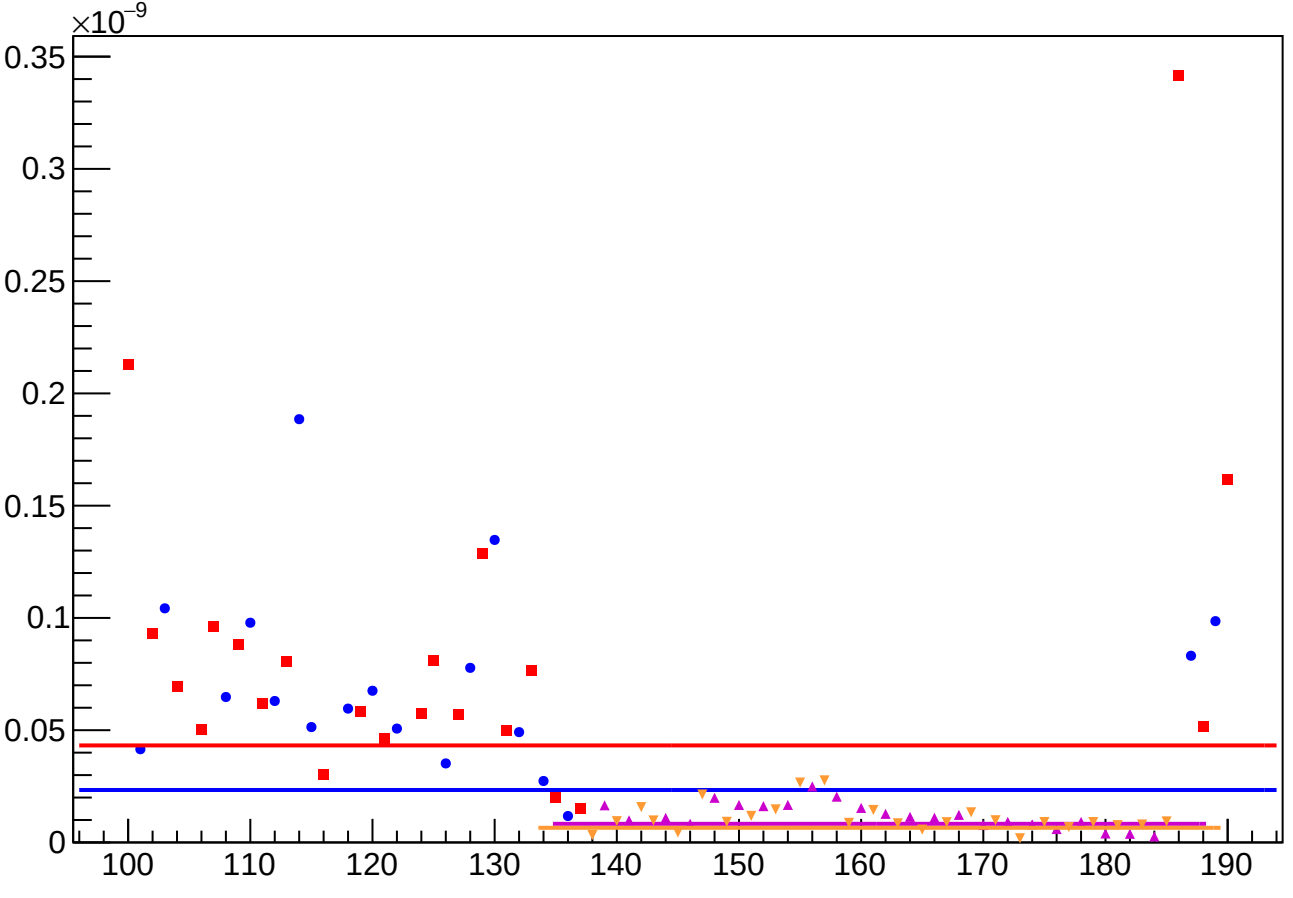
Right: -0.000+/-0.000 χ^2/NDF: 29.7/39

In: 0.000+/-0.000 χ^2/NDF:28.2/40

Out: -0.000+/-0.000 χ^2/NDF:48.6/46

All: -0.000+/-0.000 χ^2/NDF: 80.1/87

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3242661.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2459123.8/21

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

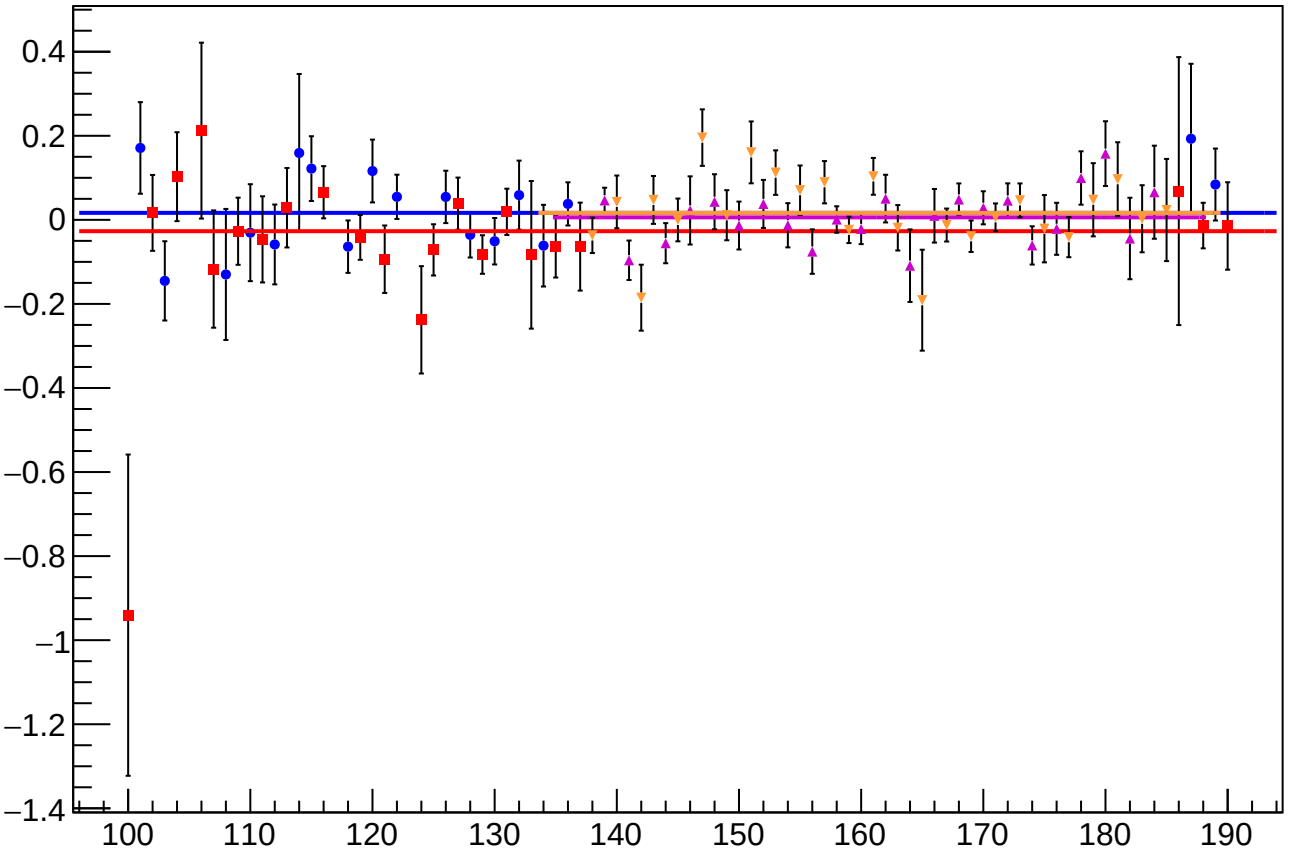
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6512051.8/39

In: 0.000+/-0.000 χ^2/NDF:7498347.3/40

Out: 0.000+/-0.000 χ^2/NDF:10124001.3/46

All: 0.000+/-0.000 χ^2/NDF: 17938323.0/87



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/21

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

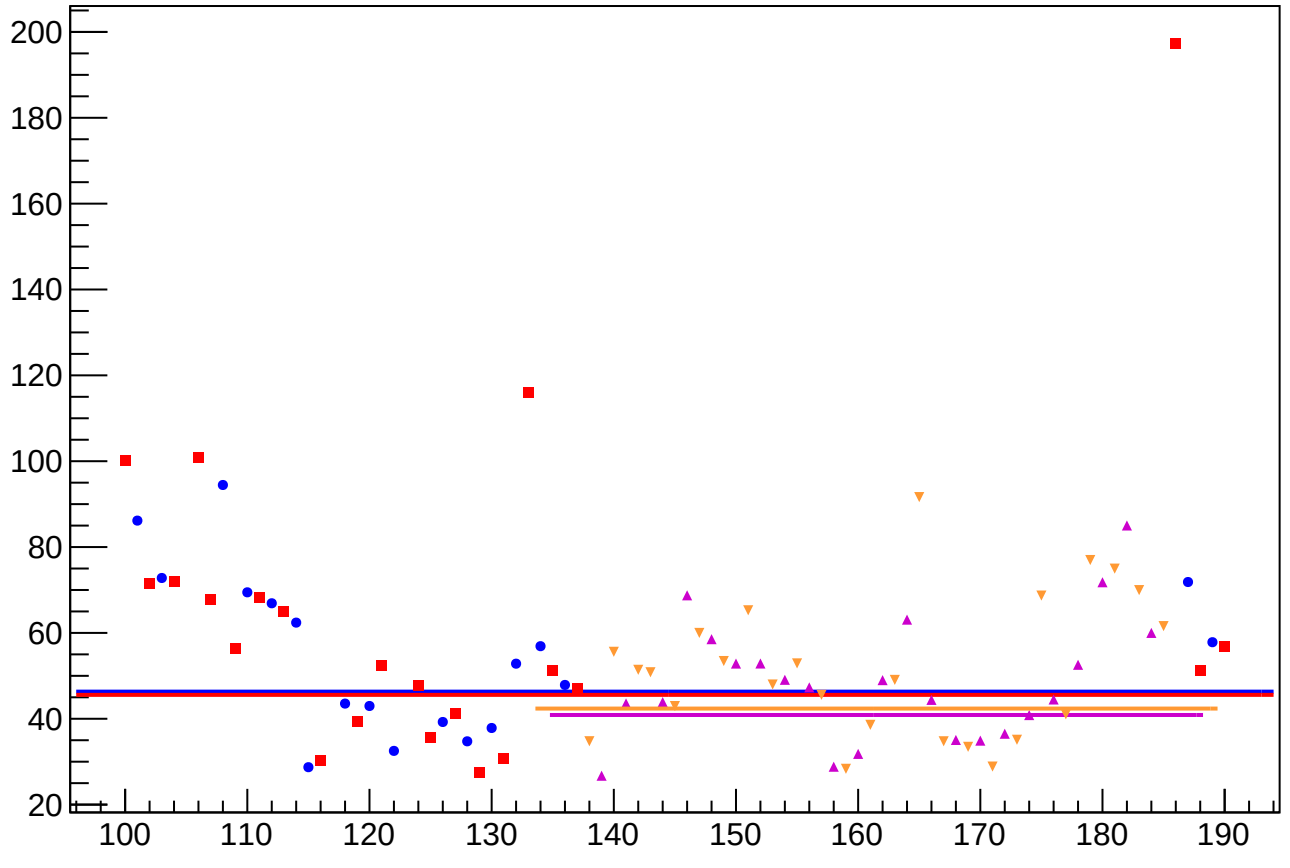
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.007+/-0.012 χ^2/NDF: 41.4/39

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.004+/-0.009 χ^2/NDF:65.7/46

All: 0.006+/-0.006 χ^2/NDF: 110.5/87



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.569+/-0.012 χ^2/NDF: 2254640.3/21

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

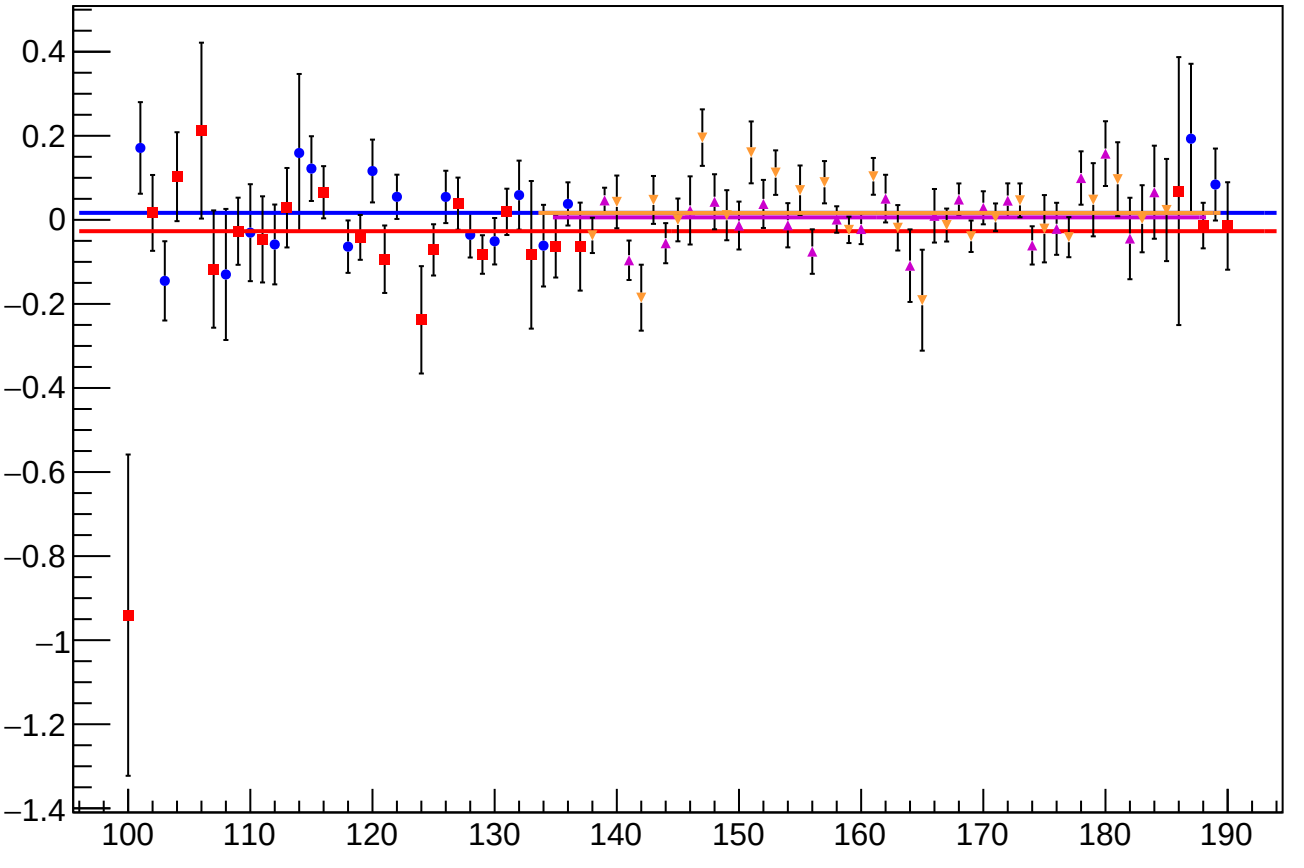
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.922+/-0.009 χ^2/NDF: 3591474.4/39

In: 42.239+/-0.006 χ^2/NDF:4153099.4/40

Out: 43.258+/-0.006 χ^2/NDF:5498321.2/46

All: 42.755+/-0.004 χ^2/NDF: 9664667.8/87



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/21

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

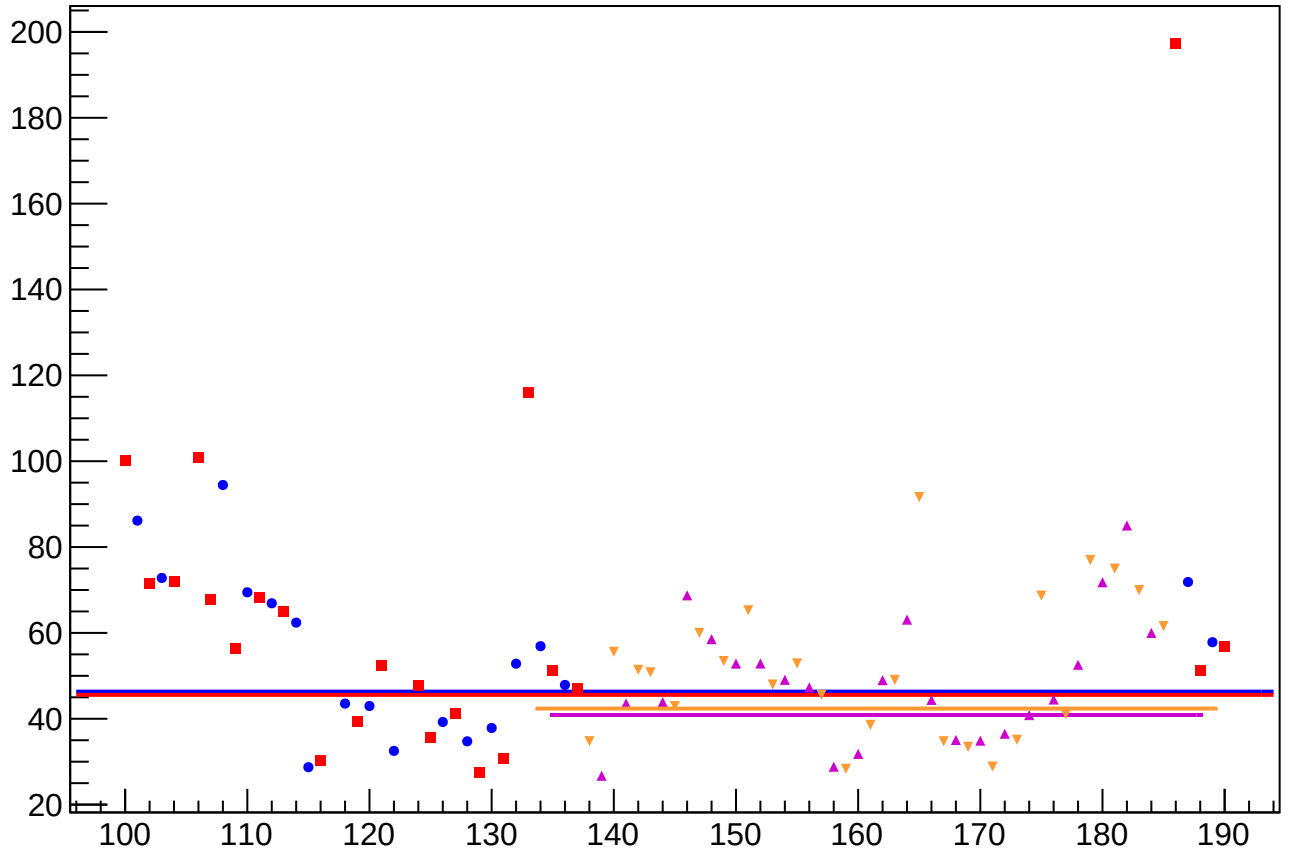
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.007+/-0.012 χ^2/NDF: 41.4/39

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.004+/-0.009 χ^2/NDF:65.7/46

All: 0.006+/-0.006 χ^2/NDF: 110.5/87



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.569+/-0.012 χ^2/NDF: 2254640.3/21

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

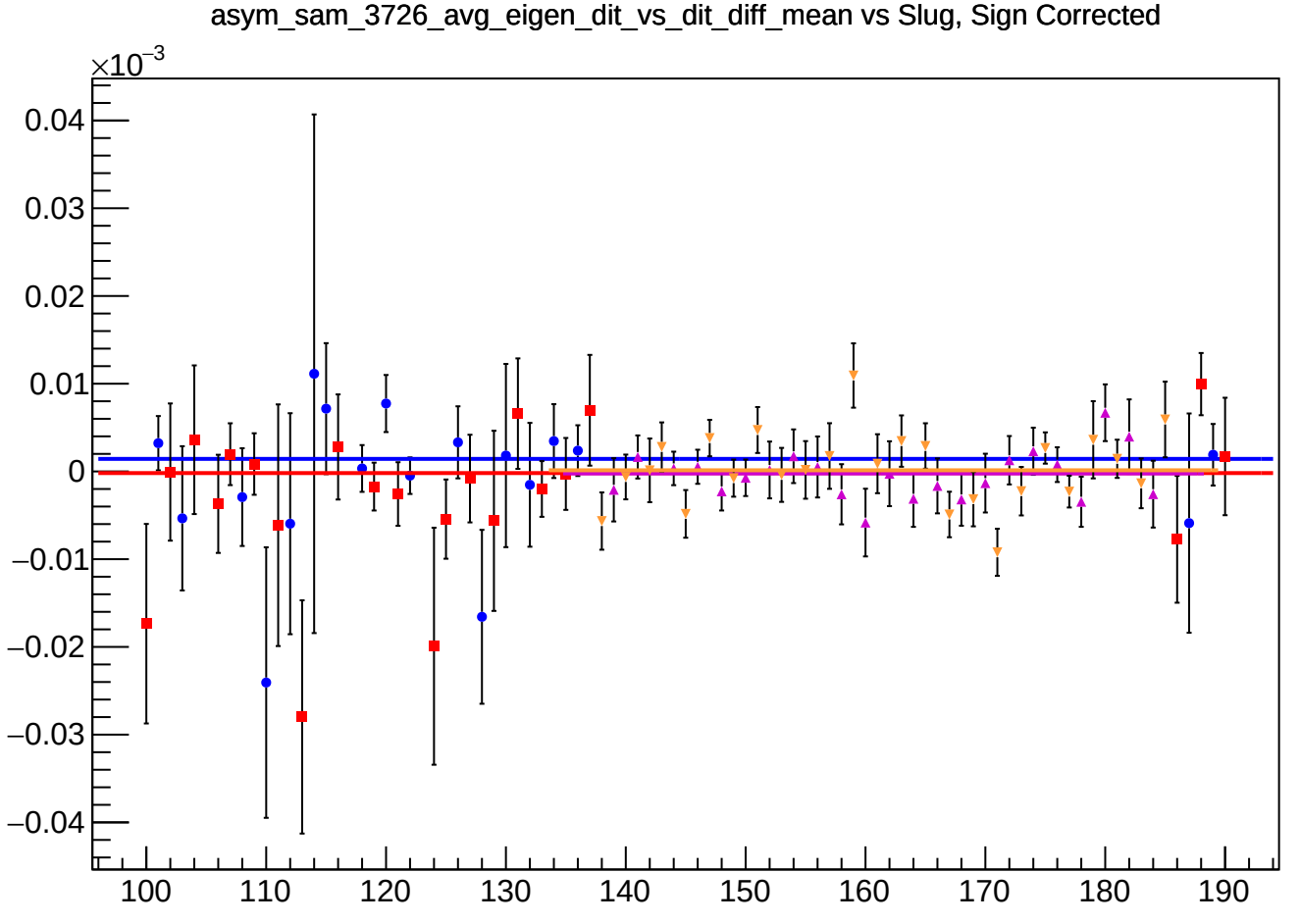
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.922+/-0.009 χ^2/NDF: 3591474.4/39

In: 42.239+/-0.006 χ^2/NDF:4153099.4/40

Out: 43.258+/-0.006 χ^2/NDF:5498321.2/46

All: 42.755+/-0.004 χ^2/NDF: 9664667.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/21

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

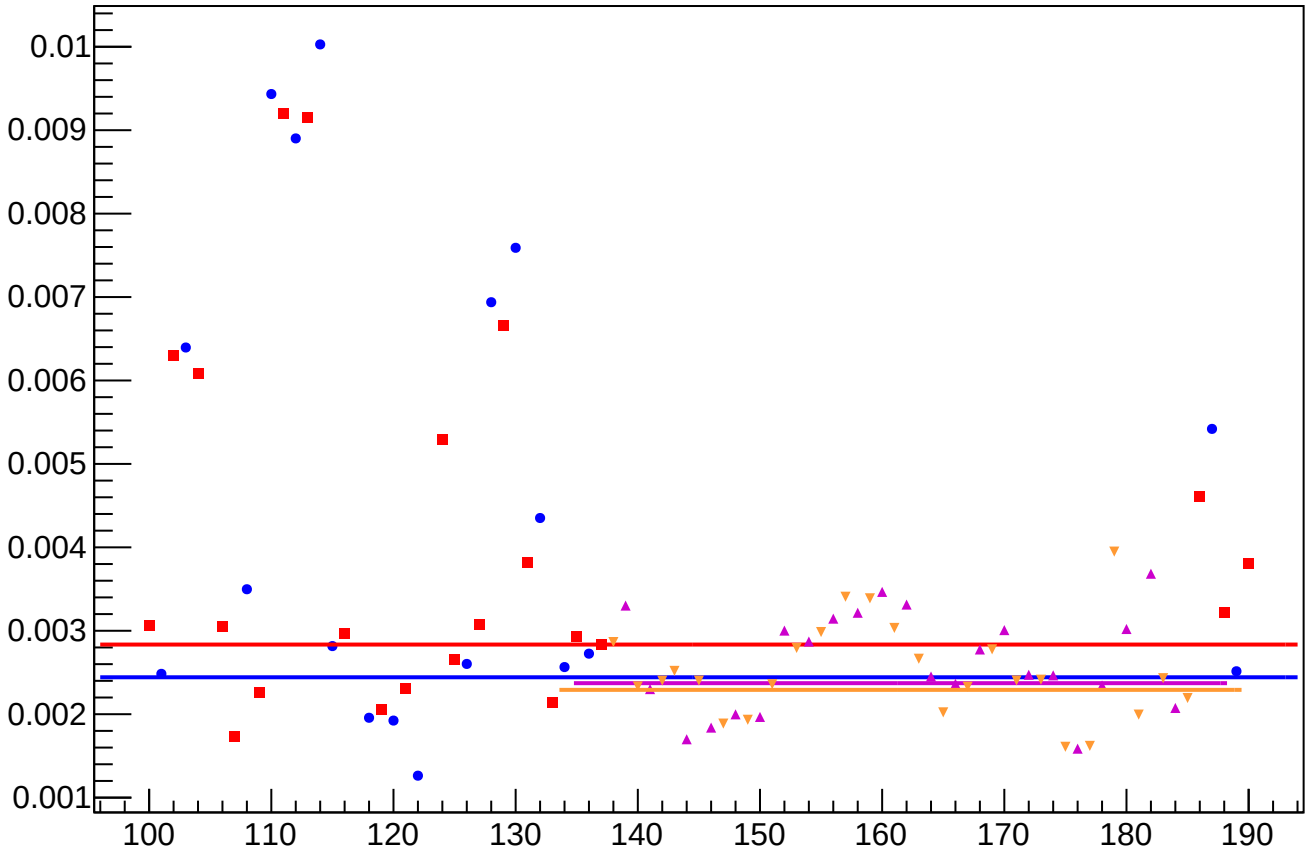
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 40.6/39

In: 0.000+/-0.000 χ^2/NDF:32.5/40

Out: 0.000+/-0.000 χ^2/NDF:74.8/46

All: 0.000+/-0.000 χ^2/NDF: 107.3/87



Right In: 0.002+/-0.000 χ^2/NDF: 3547793.0/17

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2709815.7/21

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

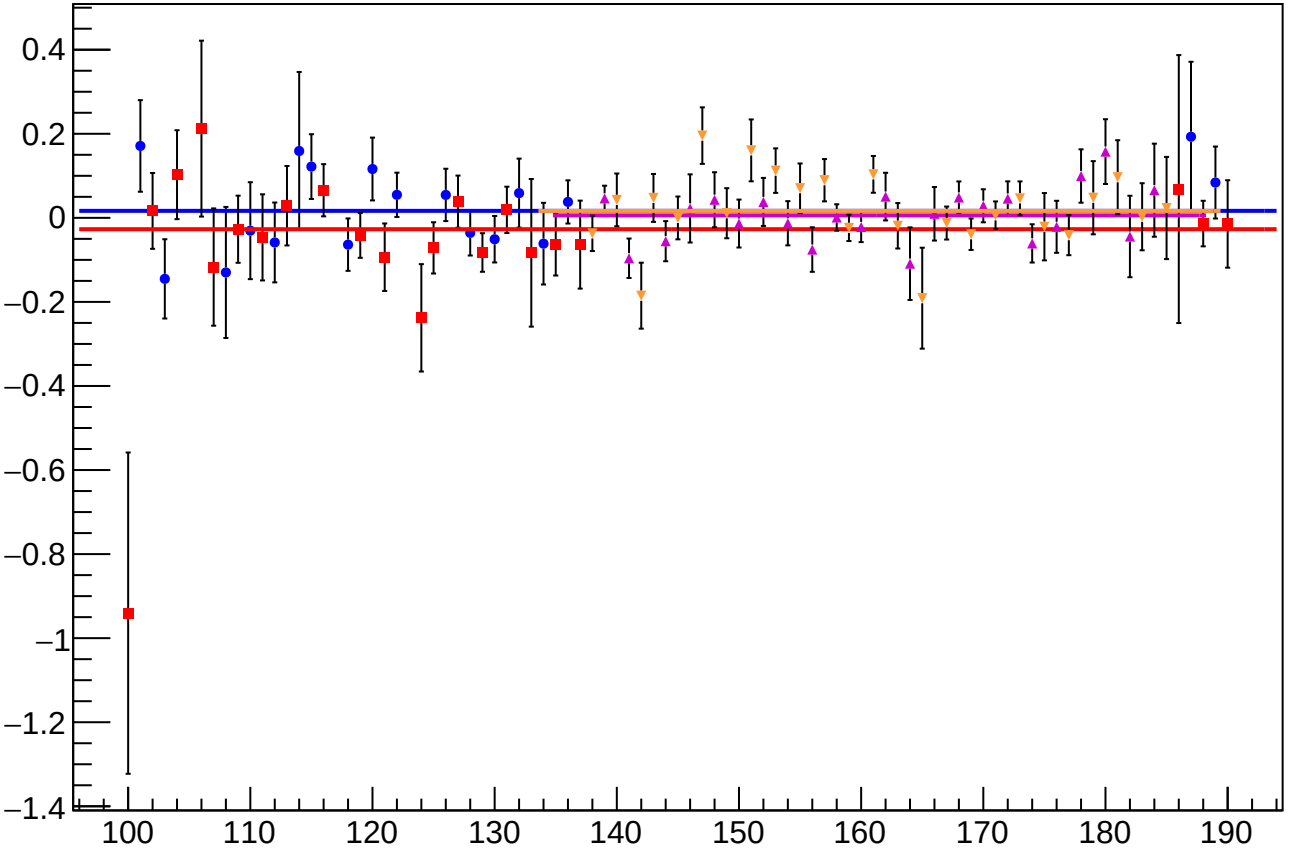
Right: 0.003+/-0.000 χ^2/NDF: 6405230.8/39

In: 0.002+/-0.000 χ^2/NDF:5575642.8/40

Out: 0.002+/-0.000 χ^2/NDF:4955926.0/46

All: 0.002+/-0.000 χ^2/NDF: 10532552.7/87

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/21

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

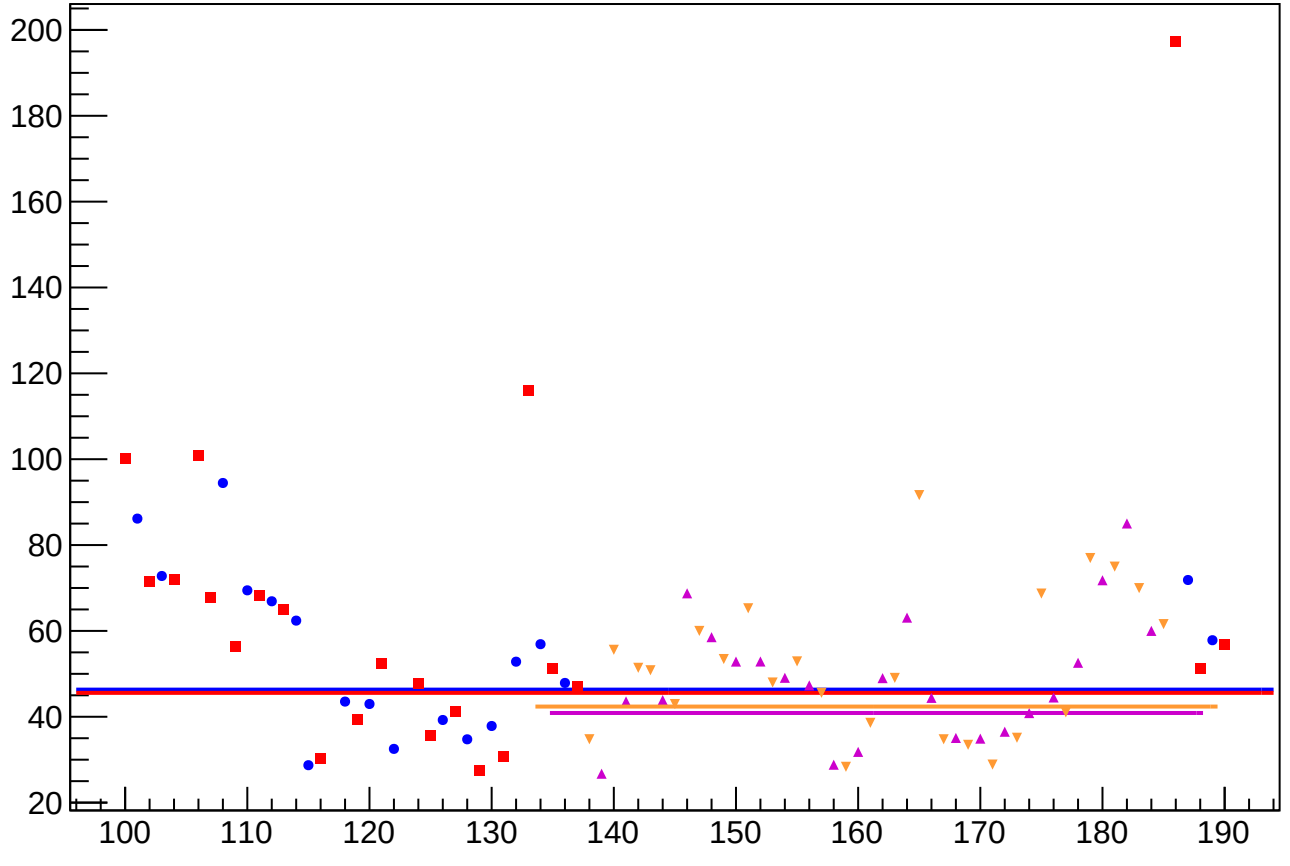
Right: -0.007+/-0.012 χ^2/NDF: 41.4/39

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.004+/-0.009 χ^2/NDF:65.7/46

All: 0.006+/-0.006 χ^2/NDF: 110.5/87

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.570+/-0.012 χ^2/NDF: 2254556.8/21

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

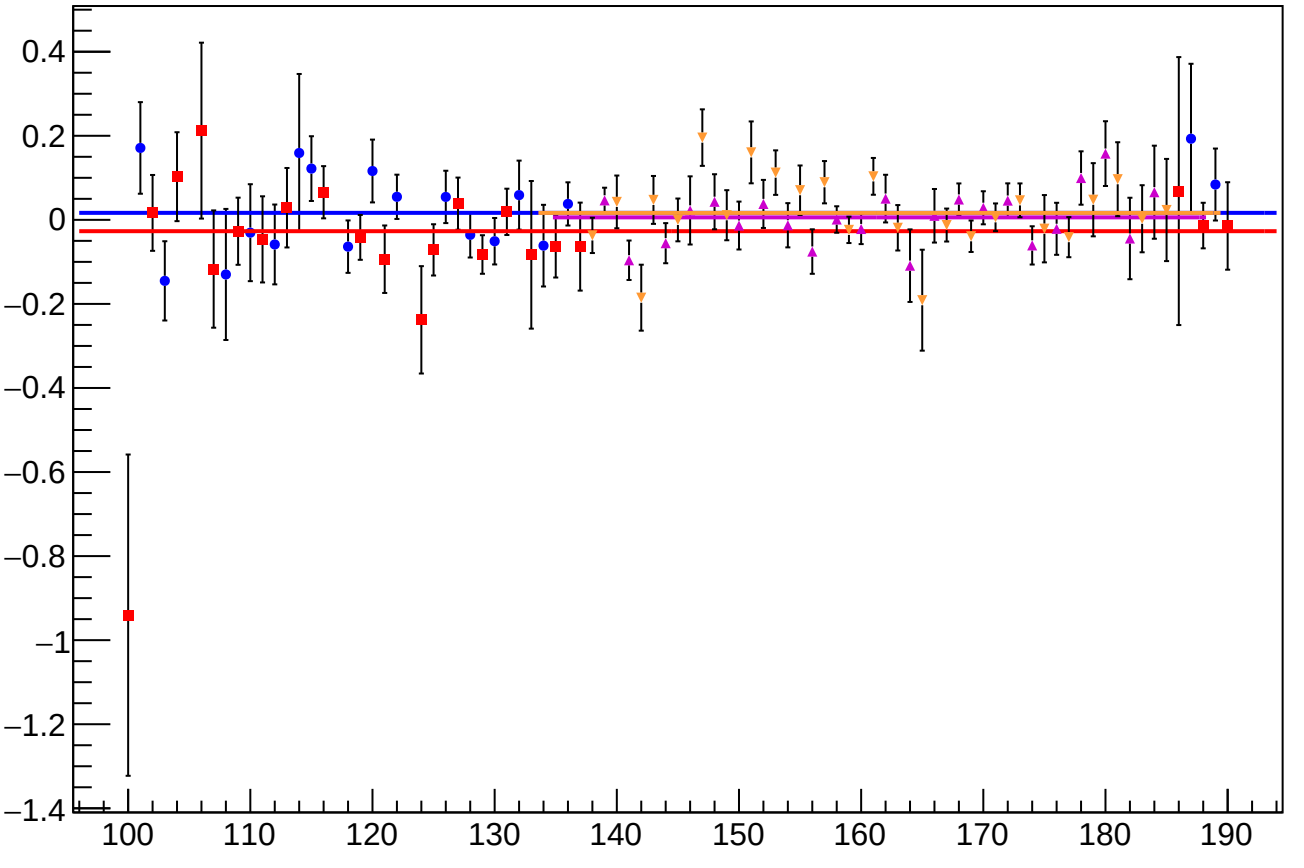
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.922+/-0.009 χ^2/NDF: 3591353.7/39

In: 42.240+/-0.006 χ^2/NDF:4153064.4/40

Out: 43.259+/-0.006 χ^2/NDF:5498267.9/46

All: 42.755+/-0.004 χ^2/NDF: 9664580.3/87



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/21

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

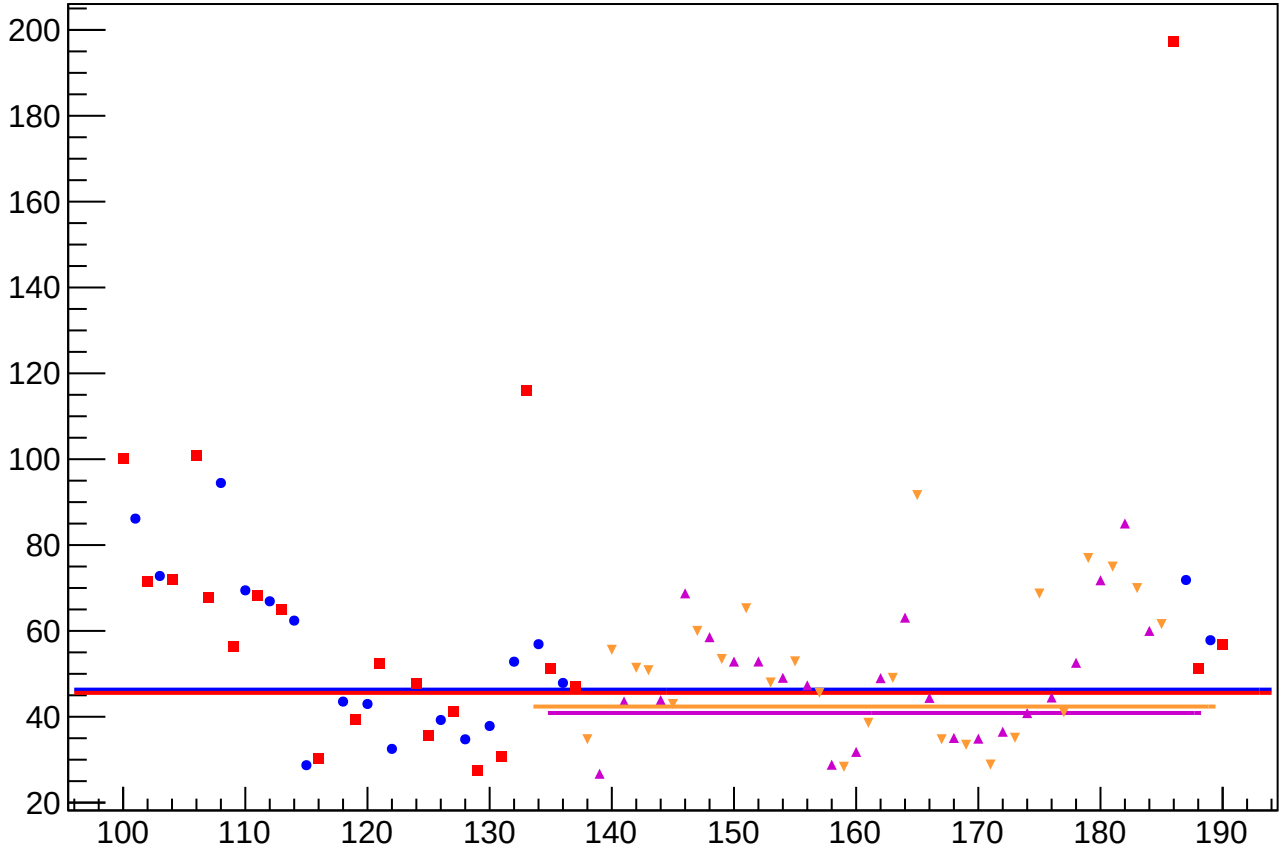
Right: -0.007+/-0.012 χ^2/NDF: 41.4/39

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.004+/-0.009 χ^2/NDF:65.7/46

All: 0.006+/-0.006 χ^2/NDF: 110.5/87

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.570+/-0.012 χ^2/NDF: 2254556.8/21

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

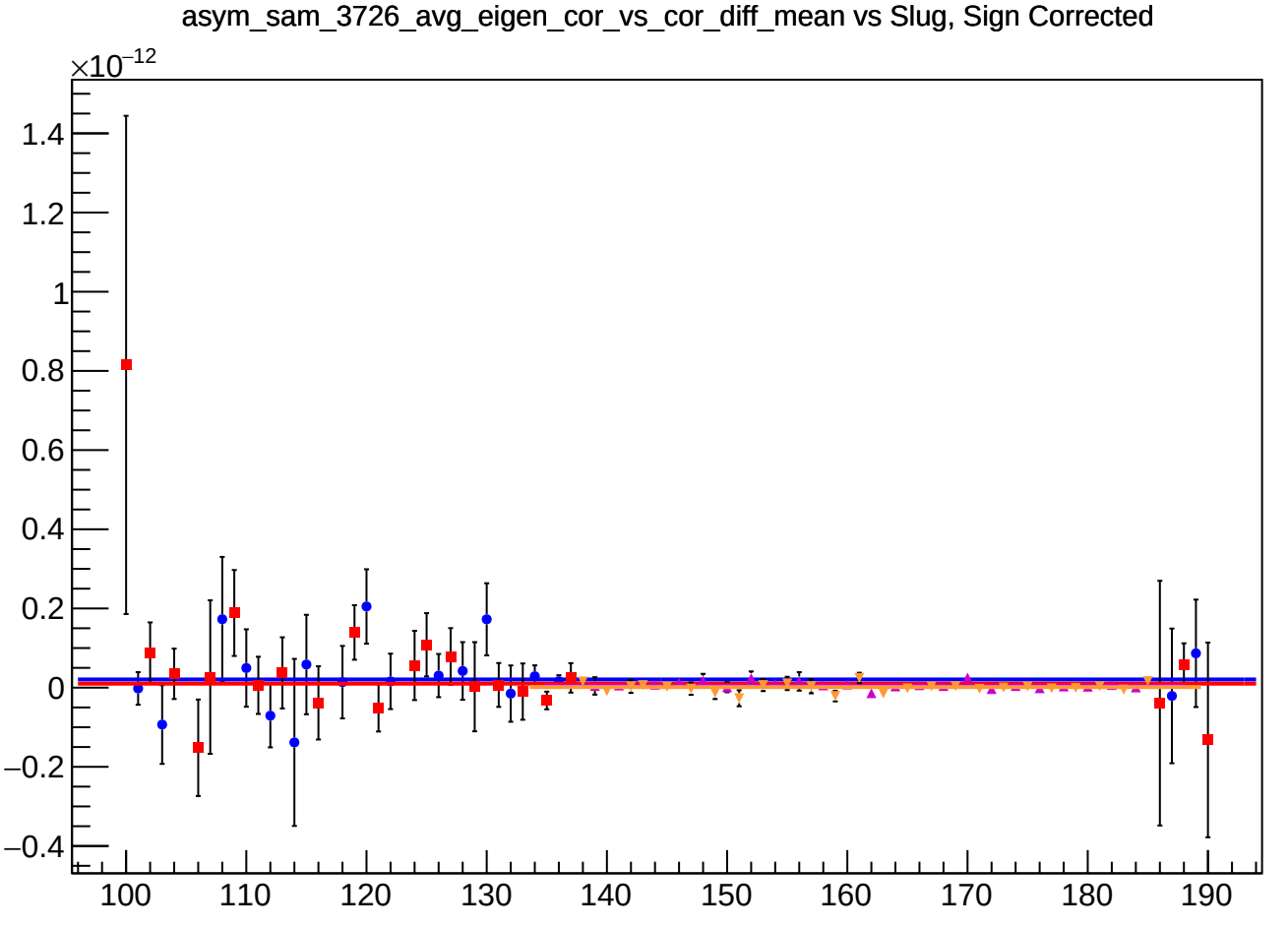
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

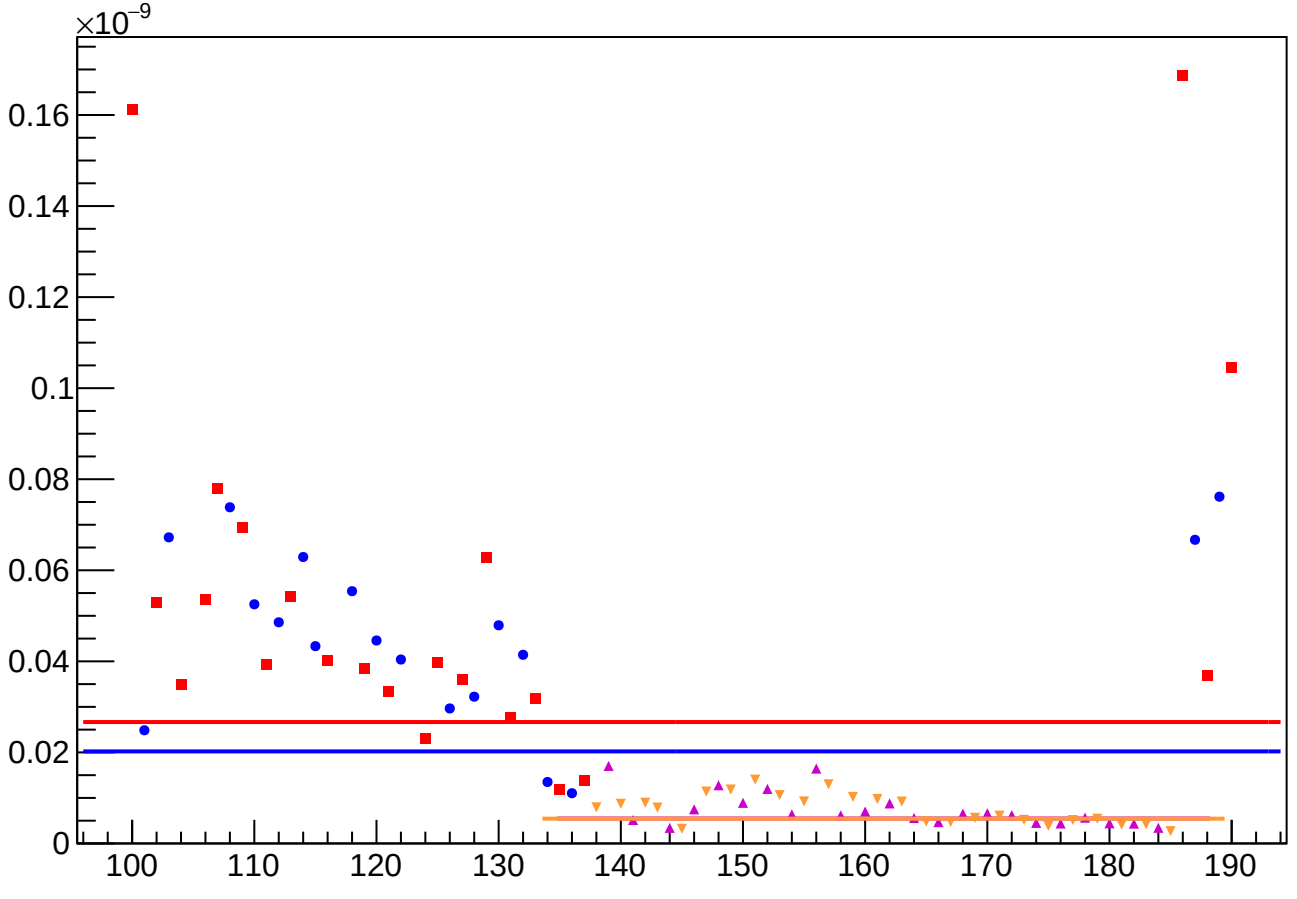
Right: 45.922+/-0.009 χ^2/NDF: 3591353.7/39

In: 42.240+/-0.006 χ^2/NDF:4153064.4/40

Out: 43.259+/-0.006 χ^2/NDF:5498267.9/46

All: 42.755+/-0.004 χ^2/NDF: 9664580.3/87


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.1/17
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/21
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 32.3/39
In: 0.000+/-0.000 χ²/NDF:27.2/40
Out: 0.000+/-0.000 χ²/NDF:40.0/46
All: 0.000+/-0.000 χ²/NDF: 69.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 3735790.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3408215.2/21

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

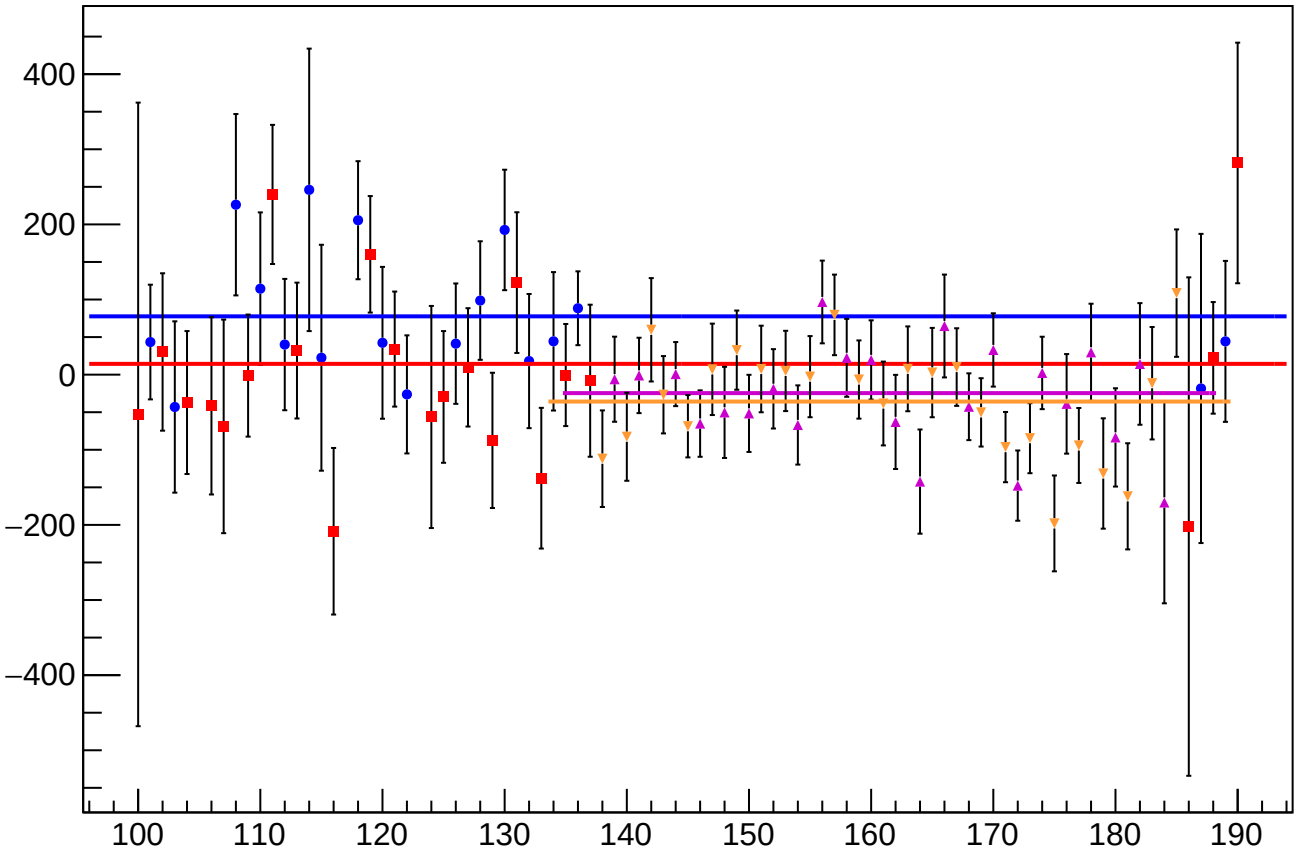
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

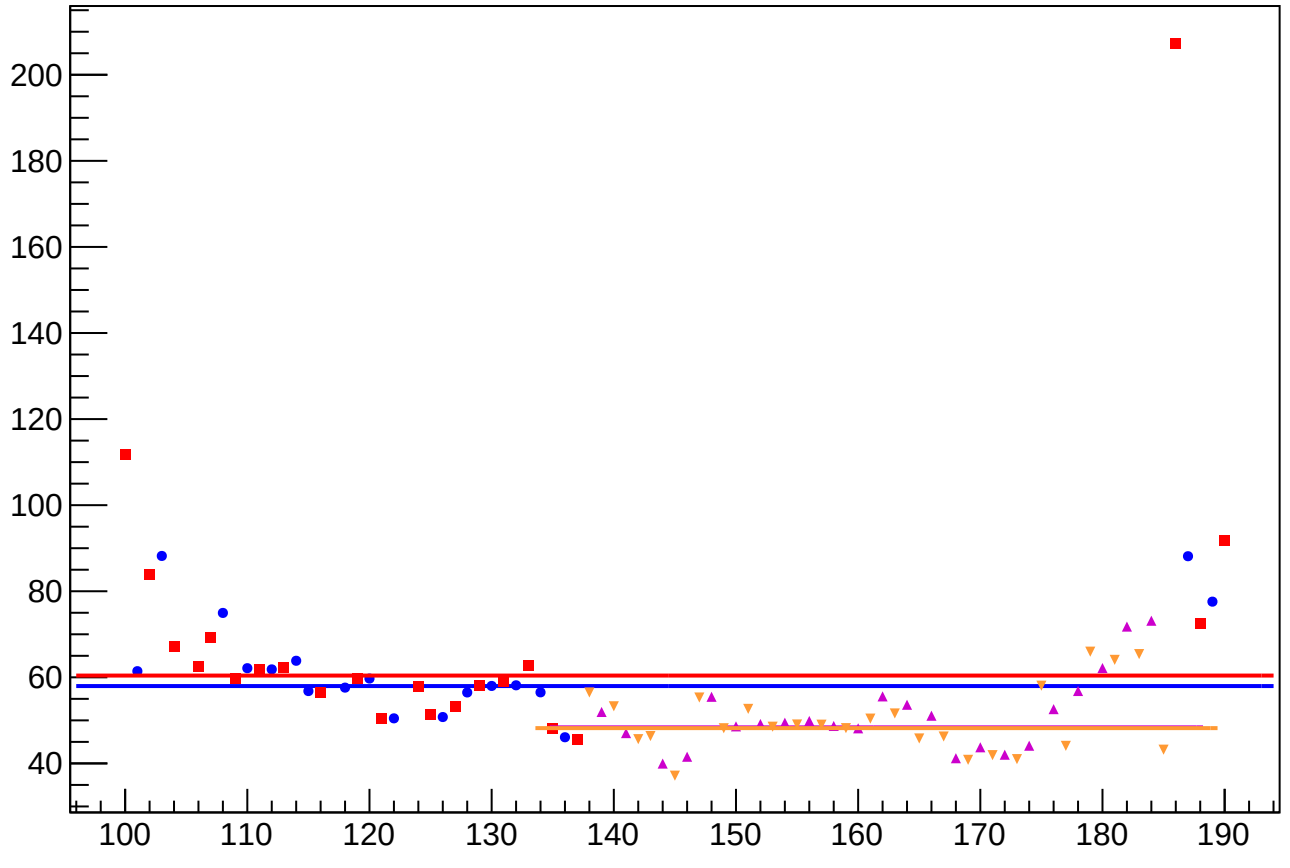
Right: 0.000+/-0.000 χ^2/NDF: 7421727.6/39

In: 0.000+/-0.000 χ^2/NDF:9964279.2/40

Out: 0.000+/-0.000 χ^2/NDF:12230589.6/46

All: 0.000+/-0.000 χ^2/NDF: 22195700.8/87


reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 77.609+/-20.946 χ²/NDF: 11.9/17
Left Out: -35.787+/-11.119 χ²/NDF:33.7/24
Right Out: 14.361+/-20.545 χ²/NDF: 23.6/21
Left In: -24.572+/-11.471 χ²/NDF:25.7/22
Left: -30.354+/-7.984 χ²/NDF: 59.9/47
Right: 45.373+/-14.667 χ²/NDF: 40.1/39
In: -0.997+/-10.061 χ²/NDF:55.9/40
Out: -24.425+/-9.779 χ²/NDF:61.9/46
All: -13.044+/-7.012 χ²/NDF: 120.6/87



Right In: 57.971+/-0.015 χ^2/NDF: 457039.7/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 60.410+/-0.015 χ^2/NDF: 858422.0/21

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

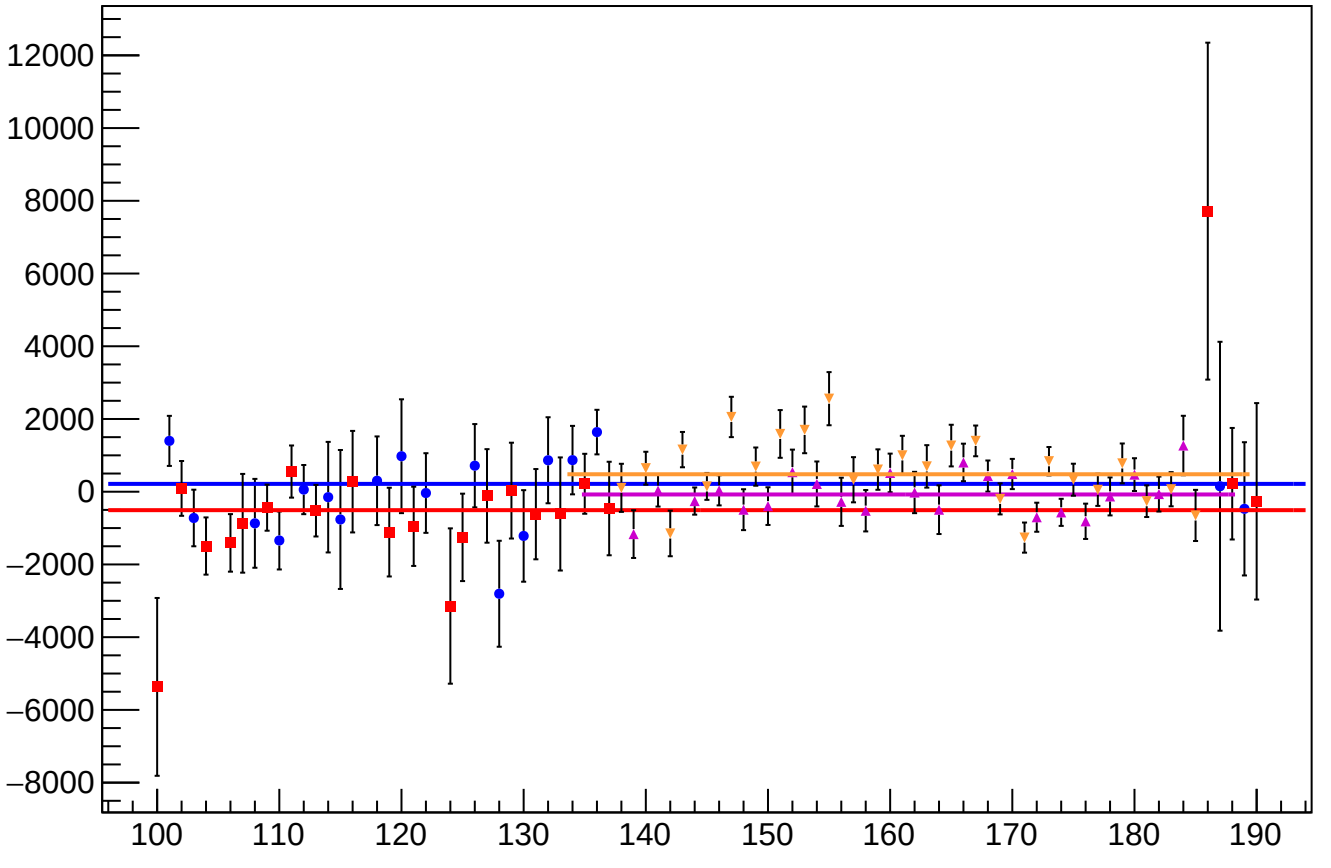
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 59.214+/-0.010 χ^2/NDF: 1329280.6/39

In: 50.593+/-0.007 χ^2/NDF:1474958.5/40

Out: 50.965+/-0.007 χ^2/NDF:2185215.1/46

All: 50.784+/-0.005 χ^2/NDF: 3661577.6/87



Right In: 215.371+/-238.728 χ^2/NDF: 21.8/17

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -507.300+/-223.753 χ^2/NDF: 16.8/21

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

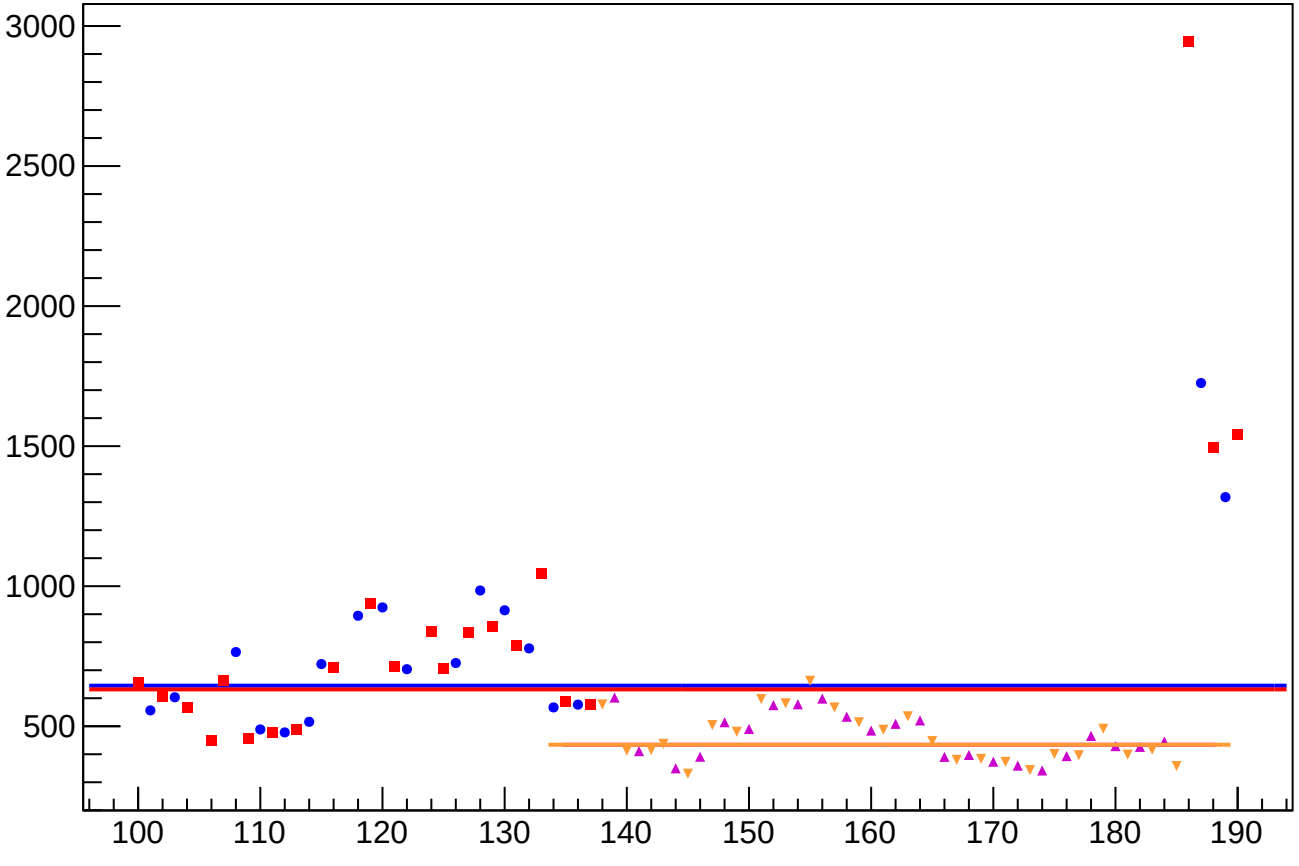
Right: -169.341+/-163.255 χ^2/NDF: 43.4/39

In: -29.892+/-94.672 χ^2/NDF:47.5/40

Out: 314.367+/-91.696 χ^2/NDF:102.2/46

All: 147.733+/-65.866 χ^2/NDF: 156.5/87

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 644.752+/-0.169 χ^2/NDF: 1119183.1/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 631.547+/-0.158 χ^2/NDF: 2270662.1/21

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

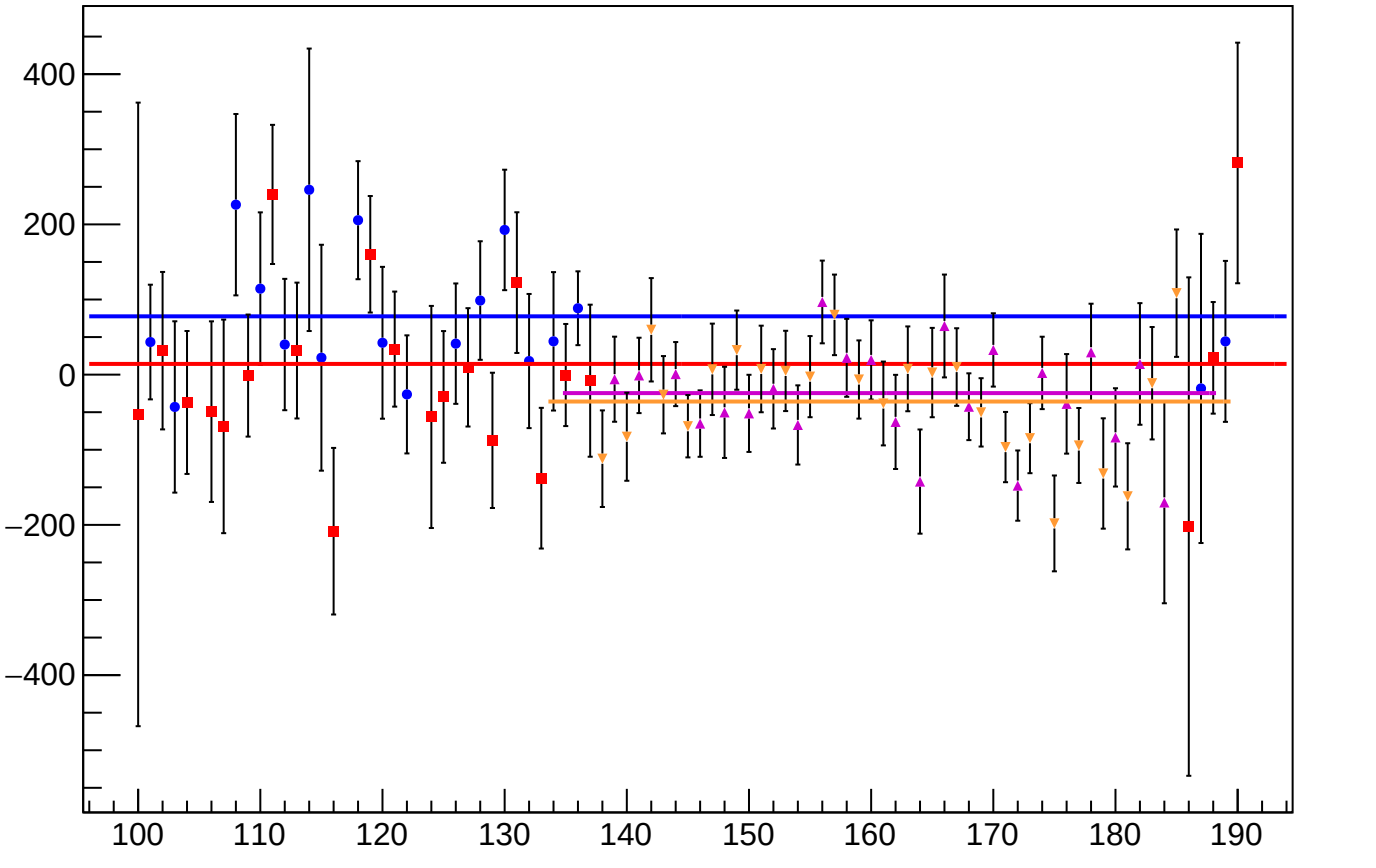
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 637.722+/-0.115 χ^2/NDF: 3393102.8/39

In: 466.910+/-0.067 χ^2/NDF:3531019.9/40

Out: 467.132+/-0.065 χ^2/NDF:4812223.2/46

All: 467.024+/-0.047 χ^2/NDF: 8343248.7/87



Right In: 77.613+/-20.946 χ^2/NDF: 11.9/17

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 14.266+/-20.556 χ^2/NDF: 23.7/21

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

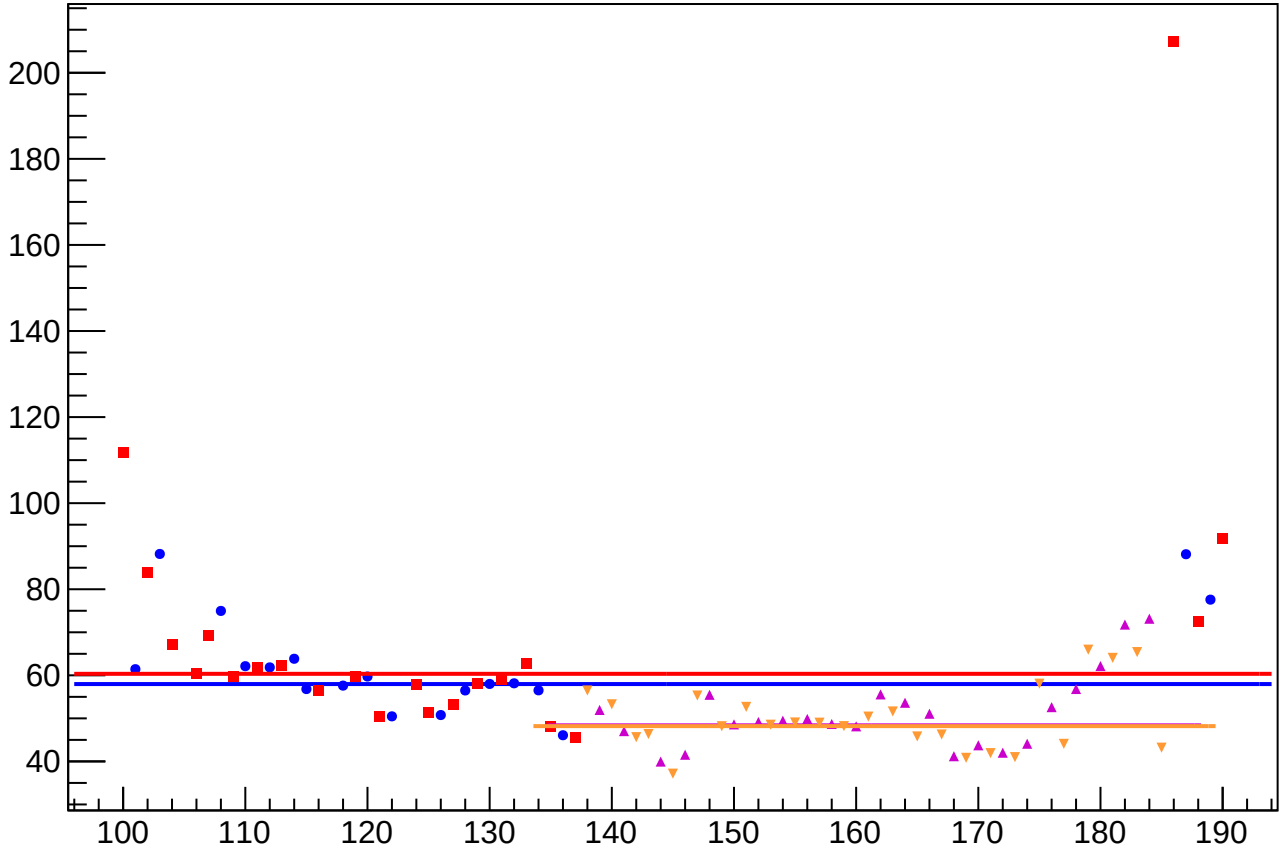
Right: 45.344+/-14.671 χ^2/NDF: 40.2/39

In: -0.997+/-10.061 χ^2/NDF:55.9/40

Out: -24.461+/-9.780 χ^2/NDF:62.0/46

All: -13.061+/-7.013 χ^2/NDF: 120.7/87

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 57.971+/-0.015 χ^2/NDF: 457043.3/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 60.348+/-0.015 χ^2/NDF: 858023.9/21

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

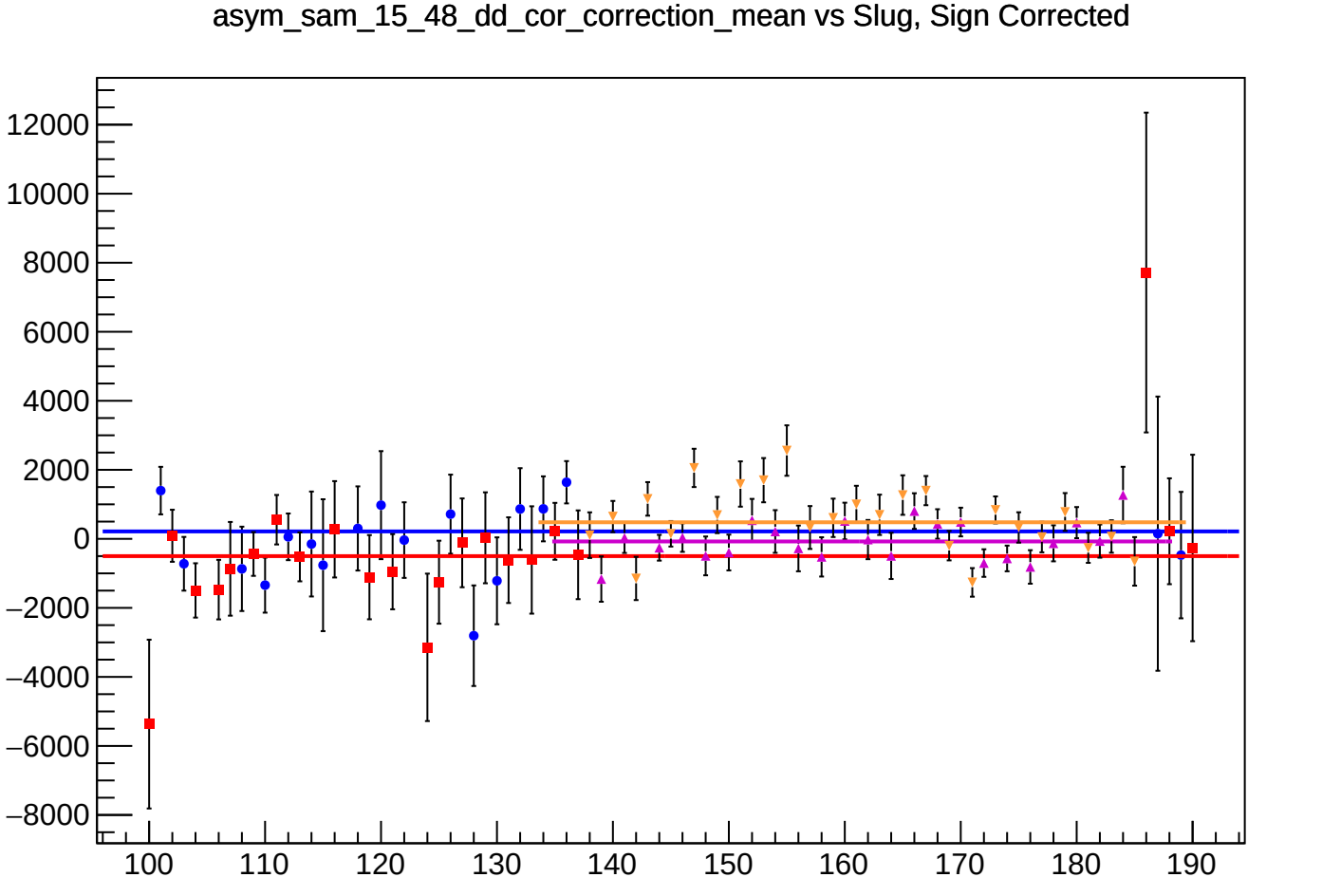
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 59.182+/-0.010 χ^2/NDF: 1328192.5/39

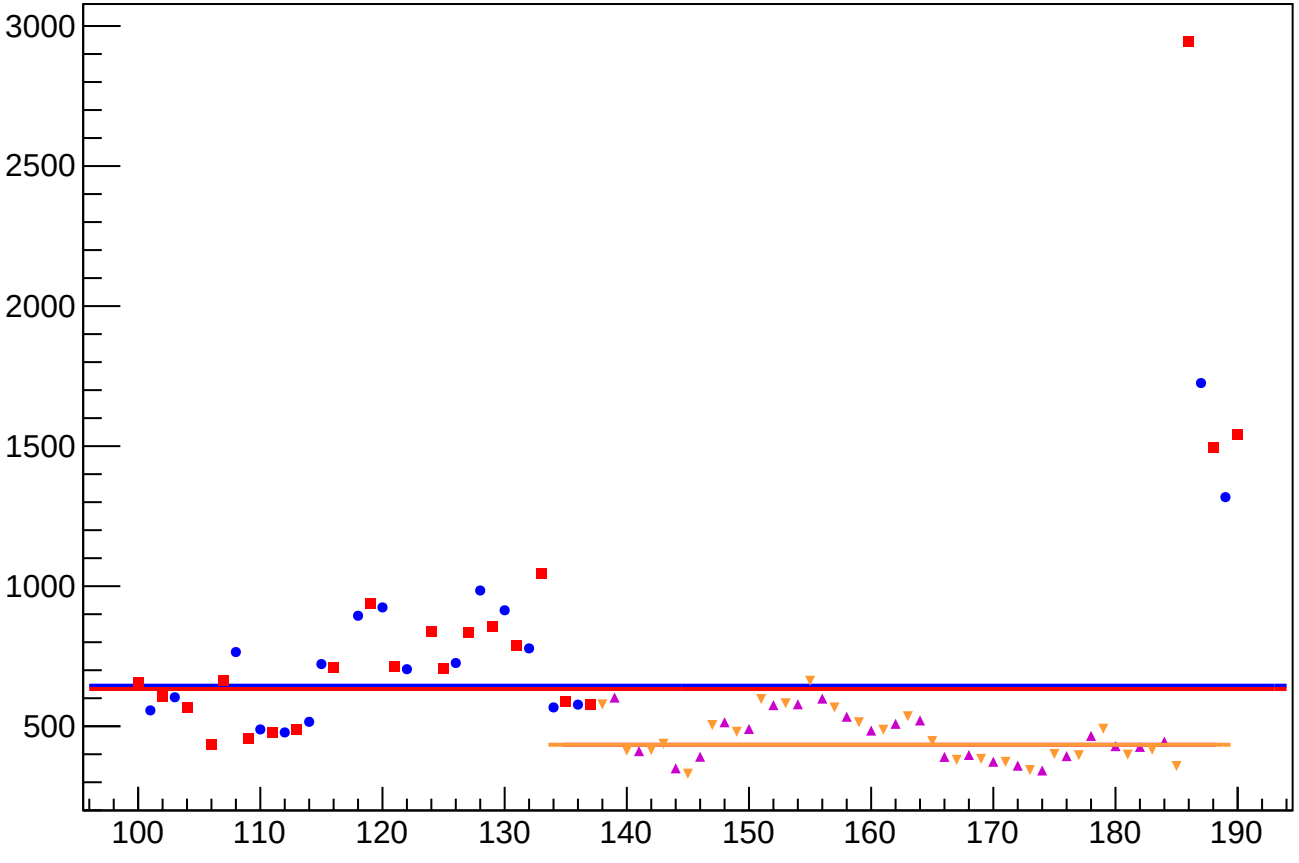
In: 50.593+/-0.007 χ^2/NDF:1474962.5/40

Out: 50.949+/-0.007 χ^2/NDF:2178865.8/46

All: 50.776+/-0.005 χ^2/NDF: 3655111.7/87


asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 215.407+/-238.730 χ²/NDF: 21.8/17
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: -500.368+/-225.195 χ²/NDF: 16.7/21
Left In: -75.665+/-103.128 χ²/NDF:24.5/22
Left: 209.376+/-71.985 χ²/NDF: 108.6/47
Right: -163.345+/-163.813 χ²/NDF: 43.3/39
In: -29.890+/-94.672 χ²/NDF:47.5/40
Out: 317.281+/-91.795 χ²/NDF:101.8/46
All: 149.052+/-65.903 χ²/NDF: 156.2/87

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 633.040+/-0.159 χ^2/NDF: 2266894.2/21

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

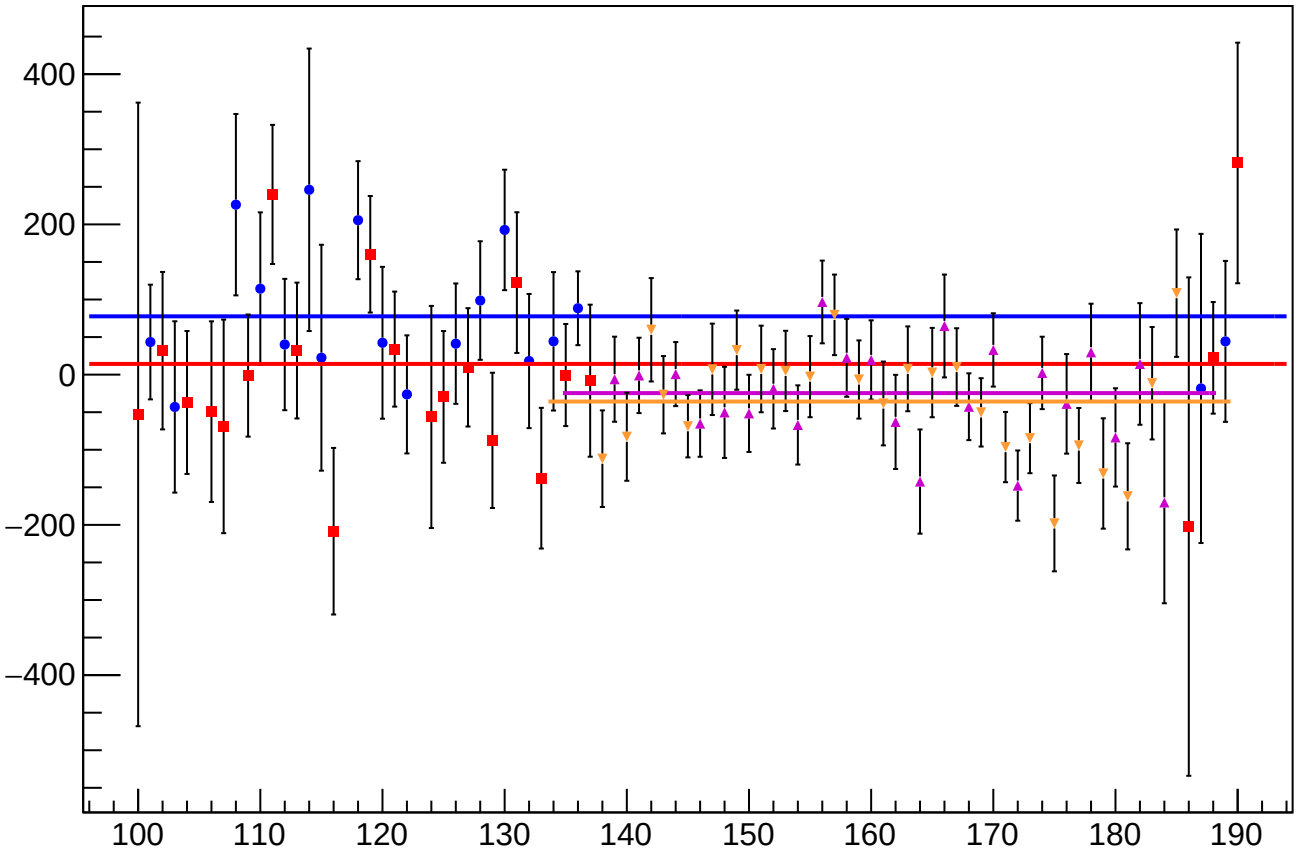
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 638.557+/-0.116 χ^2/NDF: 3388613.1/39

In: 466.910+/-0.067 χ^2/NDF:3531049.4/40

Out: 467.026+/-0.065 χ^2/NDF:4814110.3/46

All: 466.970+/-0.047 χ^2/NDF: 8345161.2/87



Right In: 77.613+/-20.946 χ^2/NDF: 11.9/17

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 14.266+/-20.556 χ^2/NDF: 23.7/21

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

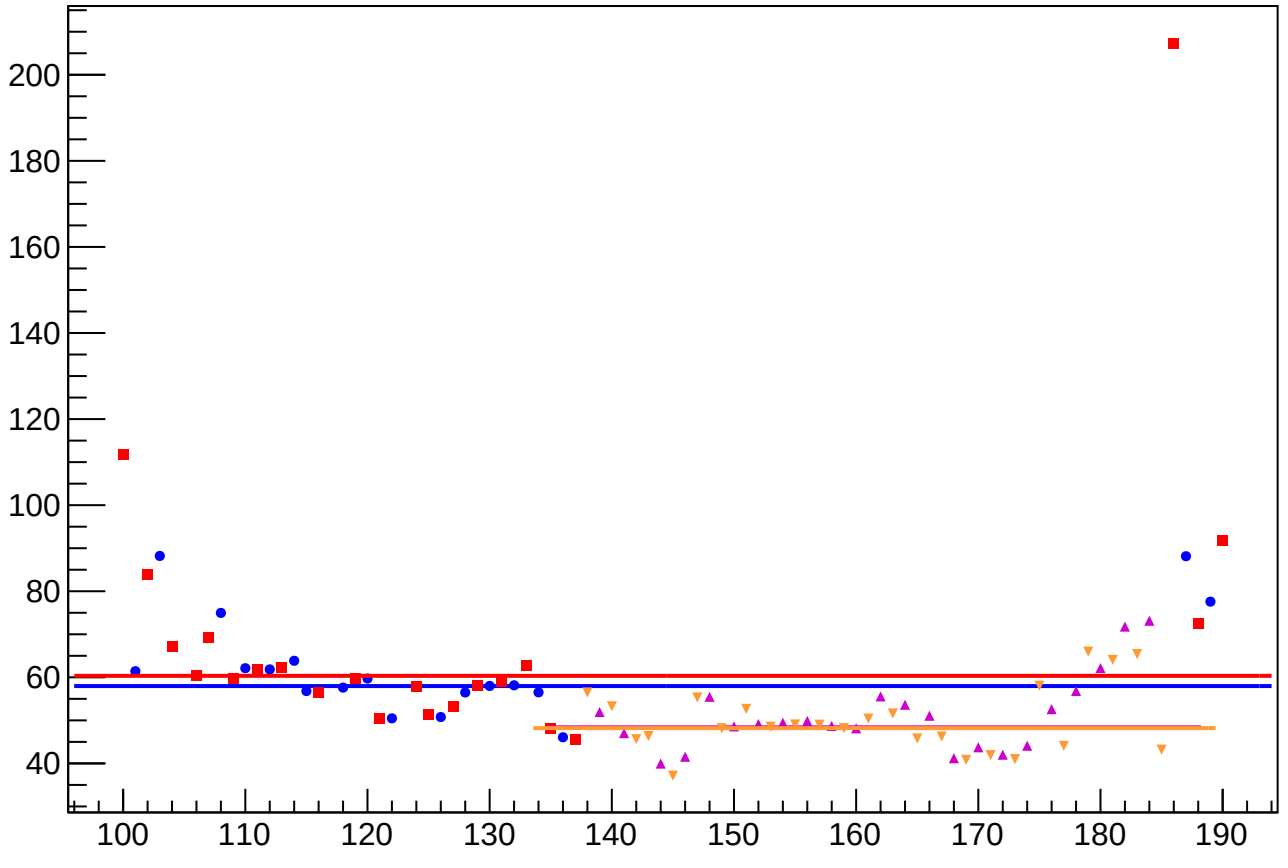
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 45.344+/-14.671 χ^2/NDF: 40.2/39

In: -0.997+/-10.061 χ^2/NDF:55.9/40

Out: -24.461+/-9.780 χ^2/NDF:62.0/46

All: -13.061+/-7.013 χ^2/NDF: 120.7/87



Right In: 57.971+/-0.015 χ^2/NDF: 457043.3/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 60.348+/-0.015 χ^2/NDF: 858023.9/21

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

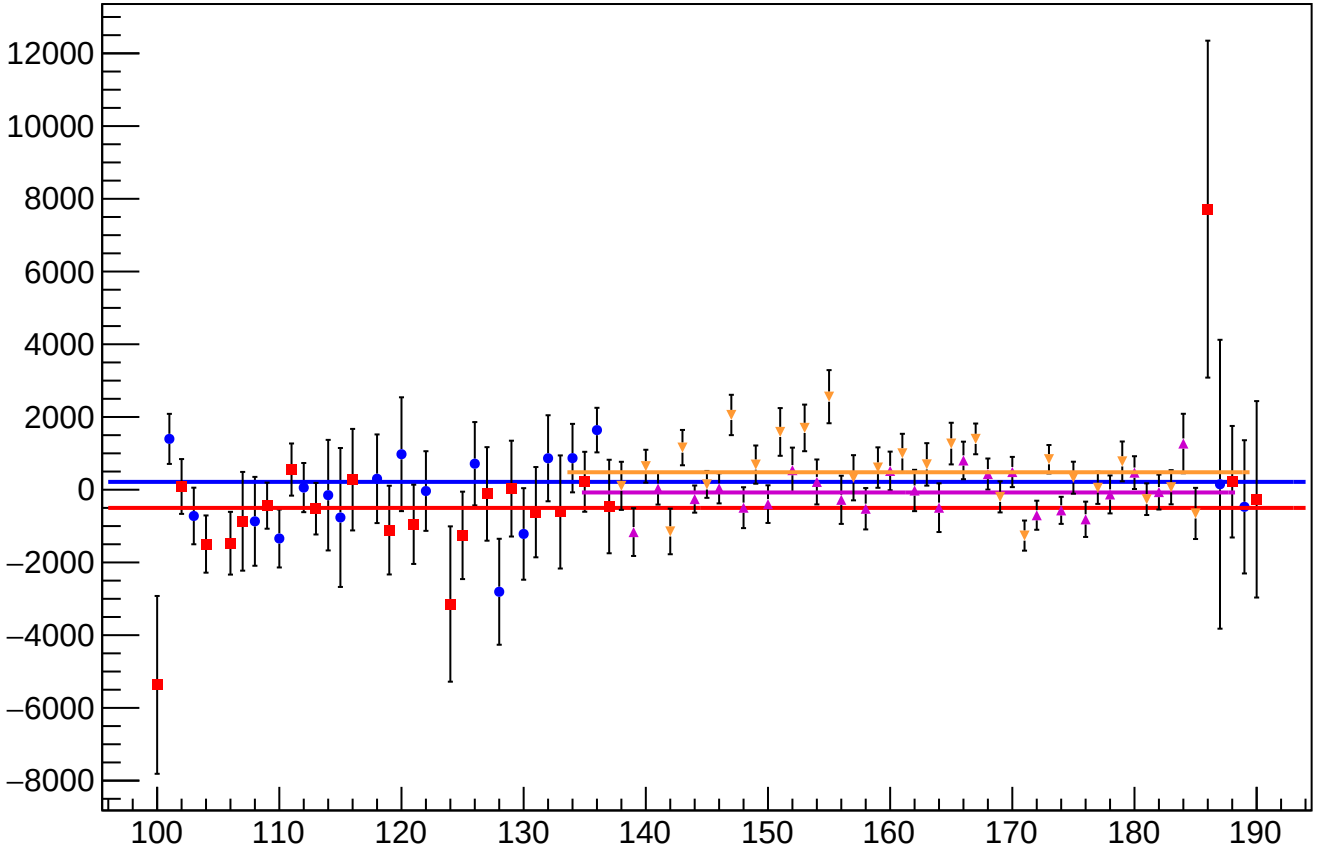
Right: 59.182+/-0.010 χ^2/NDF: 1328192.5/39

In: 50.593+/-0.007 χ^2/NDF:1474962.5/40

Out: 50.949+/-0.007 χ^2/NDF:2178865.8/46

All: 50.776+/-0.005 χ^2/NDF: 3655111.7/87

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 215.407+/-238.730 χ^2/NDF: 21.8/17

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -500.368+/-225.195 χ^2/NDF: 16.7/21

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

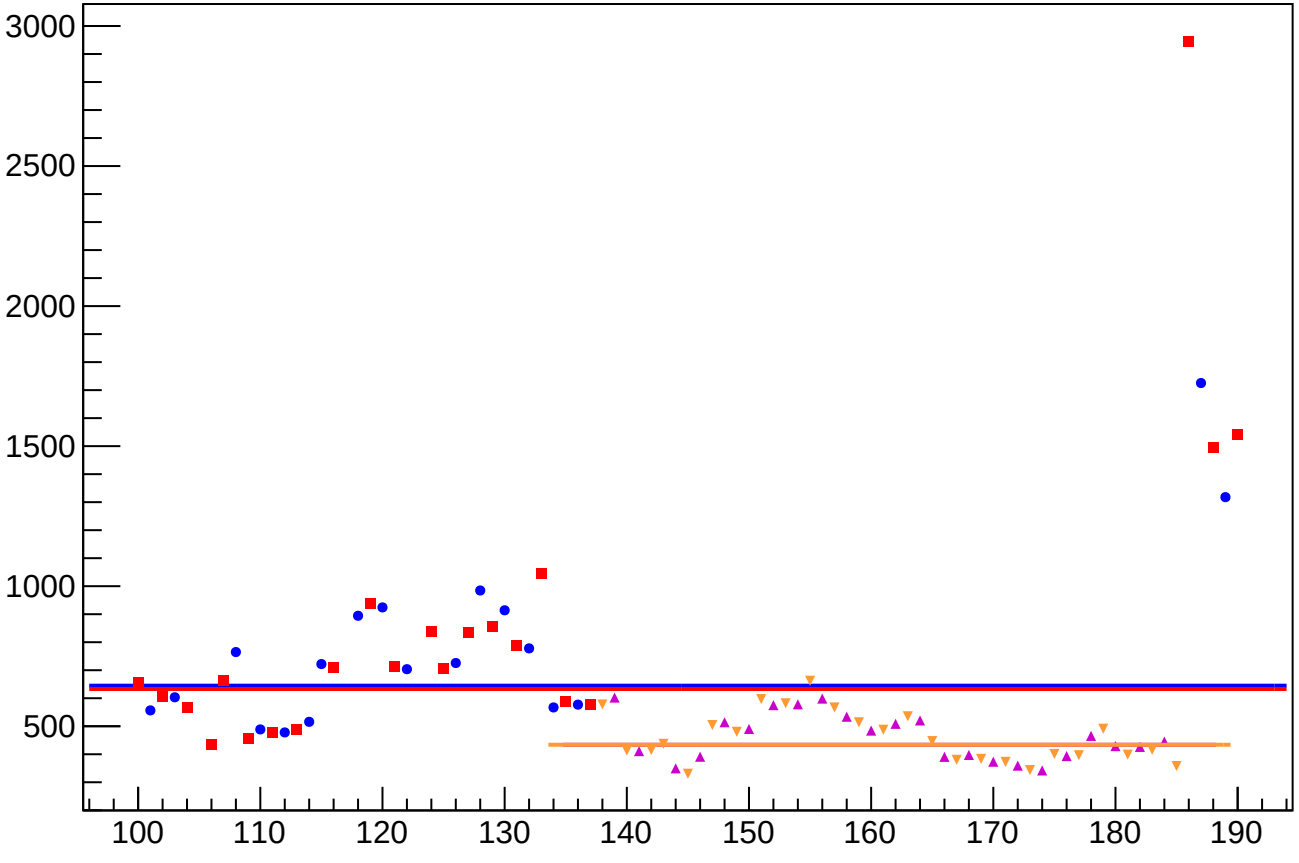
Right: -163.345+/-163.813 χ^2/NDF: 43.3/39

In: -29.890+/-94.672 χ^2/NDF:47.5/40

Out: 317.281+/-91.795 χ^2/NDF:101.8/46

All: 149.052+/-65.903 χ^2/NDF: 156.2/87

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 633.040+/-0.159 χ^2/NDF: 2266894.2/21

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

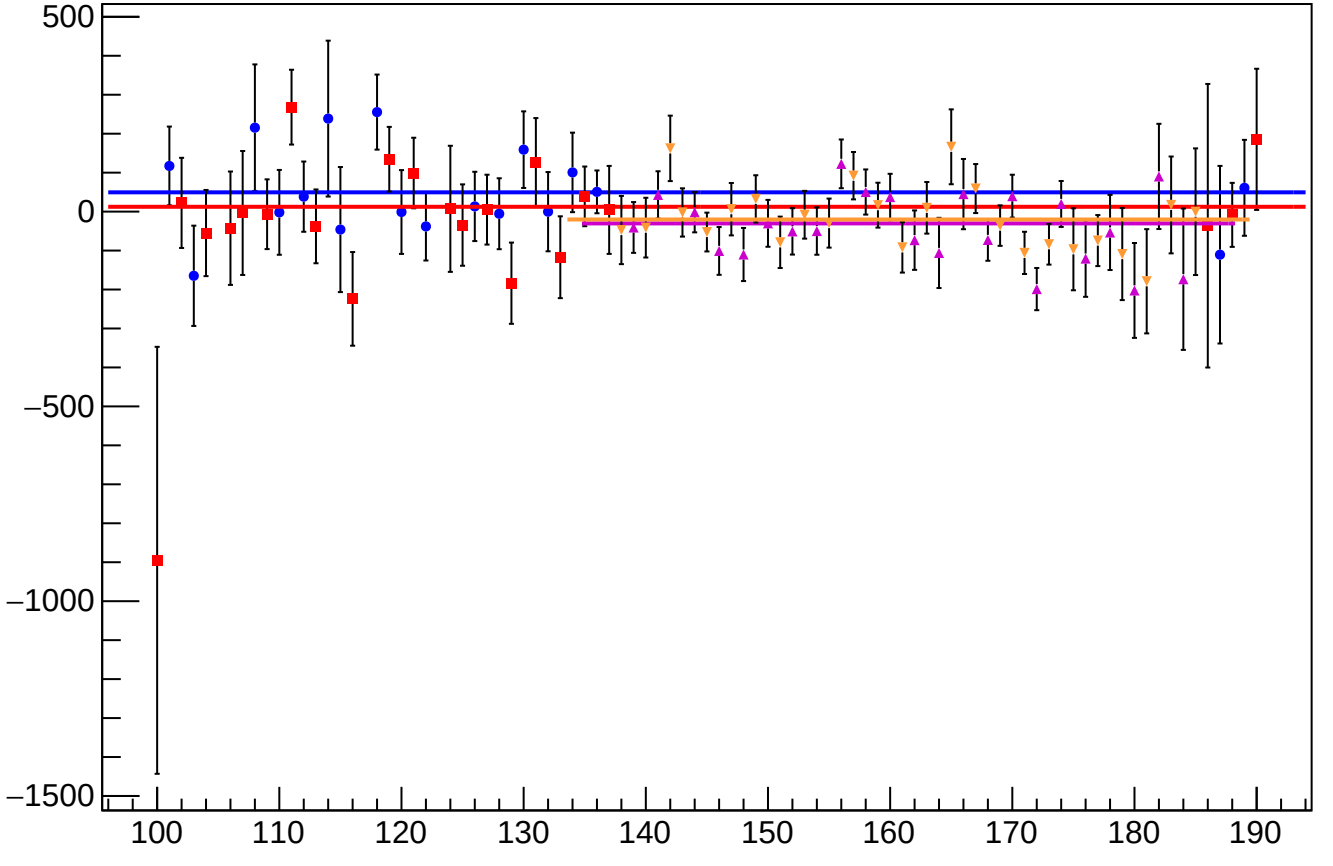
Right: 638.557+/-0.116 χ^2/NDF: 3388613.1/39

In: 466.910+/-0.067 χ^2/NDF:3531049.4/40

Out: 467.026+/-0.065 χ^2/NDF:4814110.3/46

All: 466.970+/-0.047 χ^2/NDF: 8345161.2/87

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 49.470+/-23.889 χ^2/NDF: 14.3/17

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 12.349+/-23.086 χ^2/NDF: 25.0/21

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

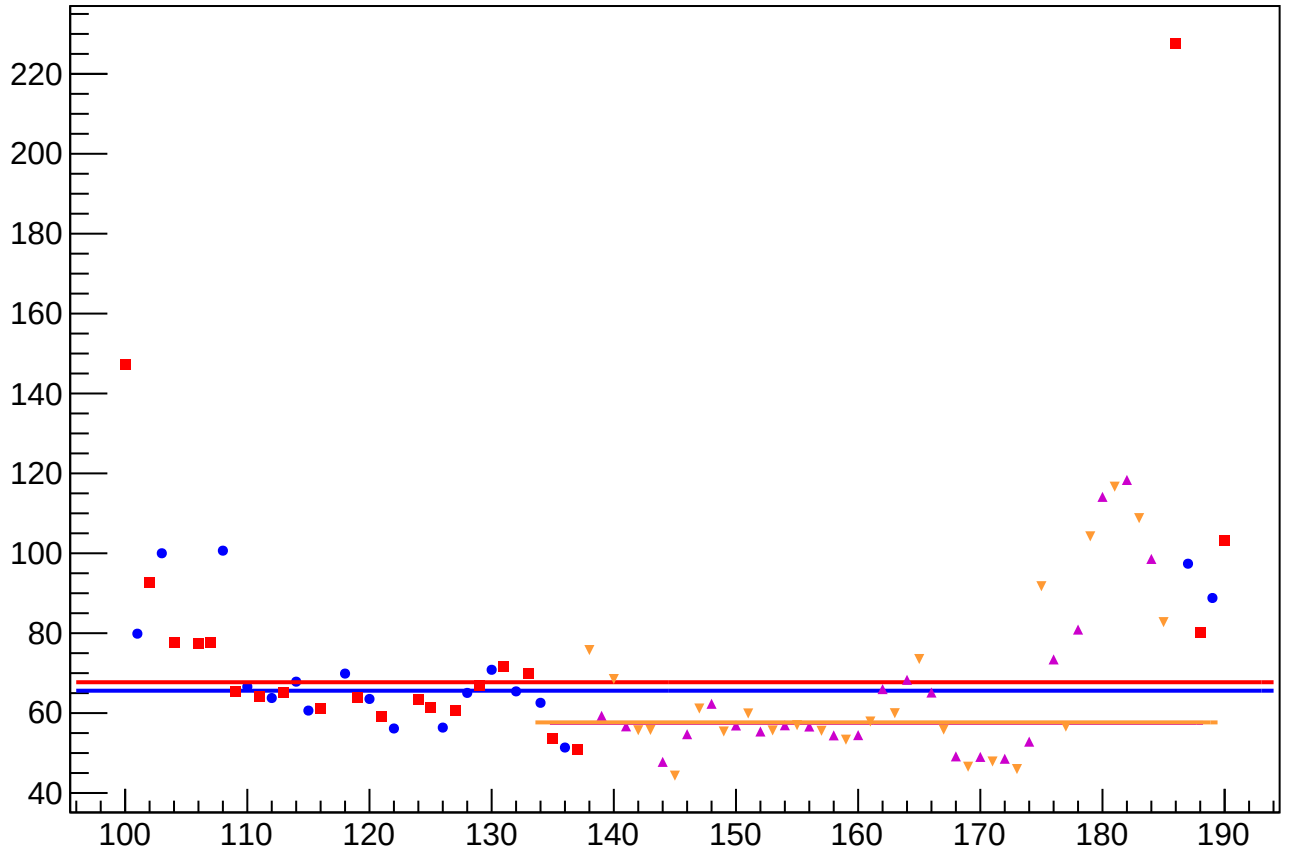
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 30.275+/-16.601 χ^2/NDF: 40.6/39

In: -9.967+/-12.065 χ^2/NDF:55.2/40

Out: -11.833+/-11.741 χ^2/NDF:51.6/46

All: -10.925+/-8.414 χ^2/NDF: 106.9/87



Right In: 65.603+/-0.017 χ^2/NDF: 580440.3/17

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 67.725+/-0.016 χ^2/NDF: 847788.7/21

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

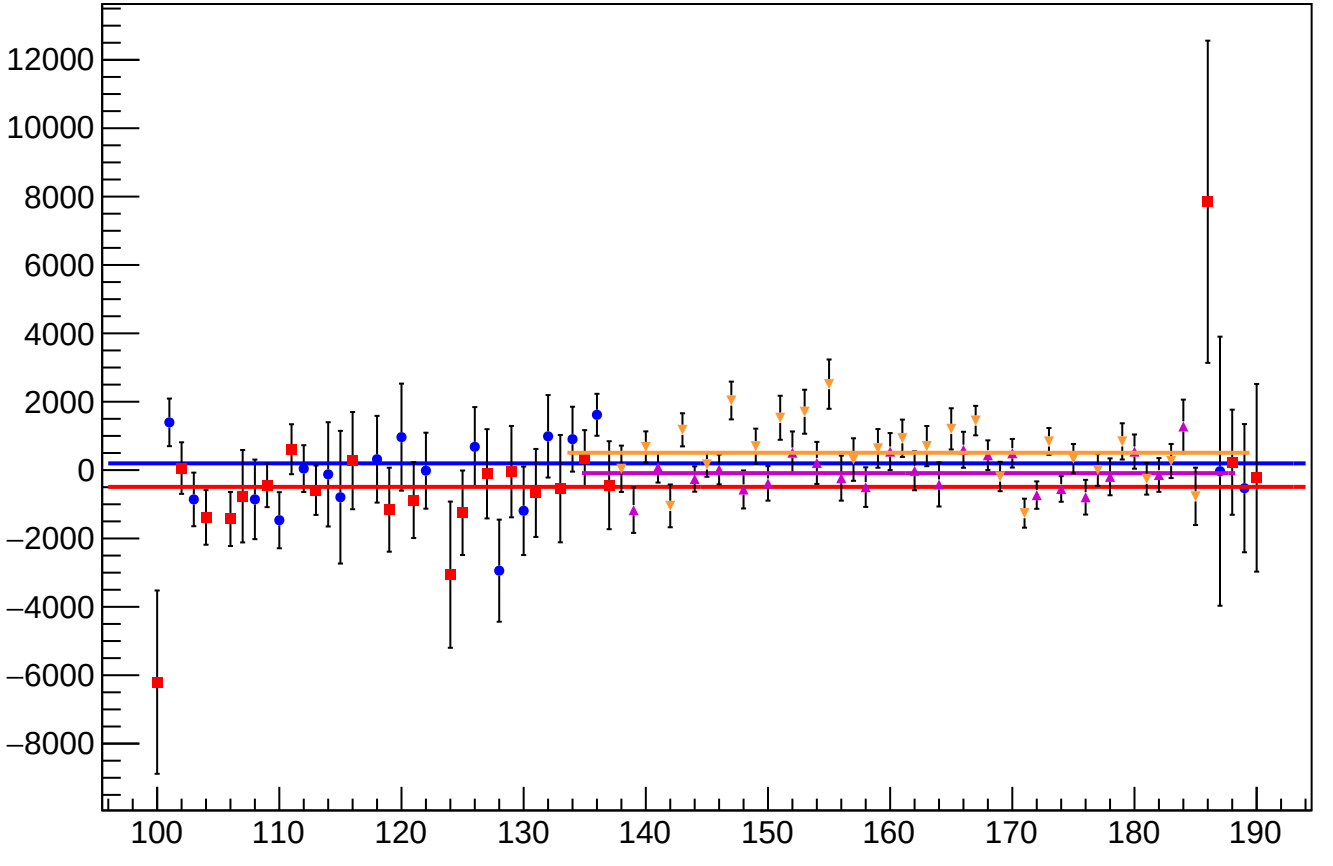
Right: 66.700+/-0.012 χ^2/NDF: 1436394.4/39

In: 59.596+/-0.009 χ^2/NDF:2193446.8/40

Out: 60.270+/-0.008 χ^2/NDF:3038917.3/46

All: 59.942+/-0.006 χ^2/NDF: 5235564.8/87

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 196.872+/-241.309 χ^2/NDF: 22.6/17

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -490.885+/-226.121 χ^2/NDF: 17.2/21

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

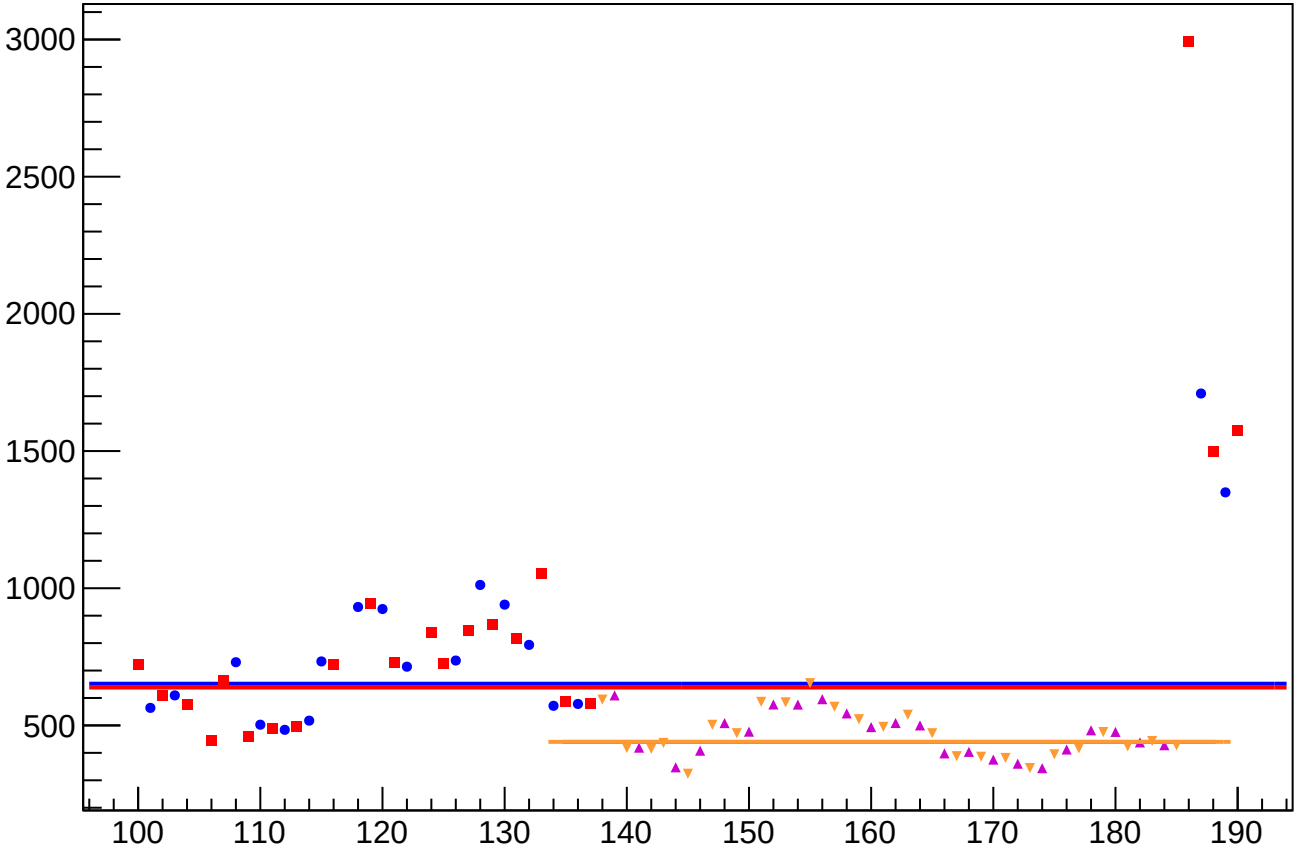
Right: -169.329+/-165.000 χ^2/NDF: 44.1/39

In: -43.380+/-95.926 χ^2/NDF:47.1/40

Out: 339.039+/-92.809 χ^2/NDF:99.2/46

All: 154.145+/-66.701 χ^2/NDF: 154.5/87

asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 651.988+/-0.171 χ^2/NDF: 1134734.1/17

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 638.160+/-0.160 χ^2/NDF: 2289525.0/21

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

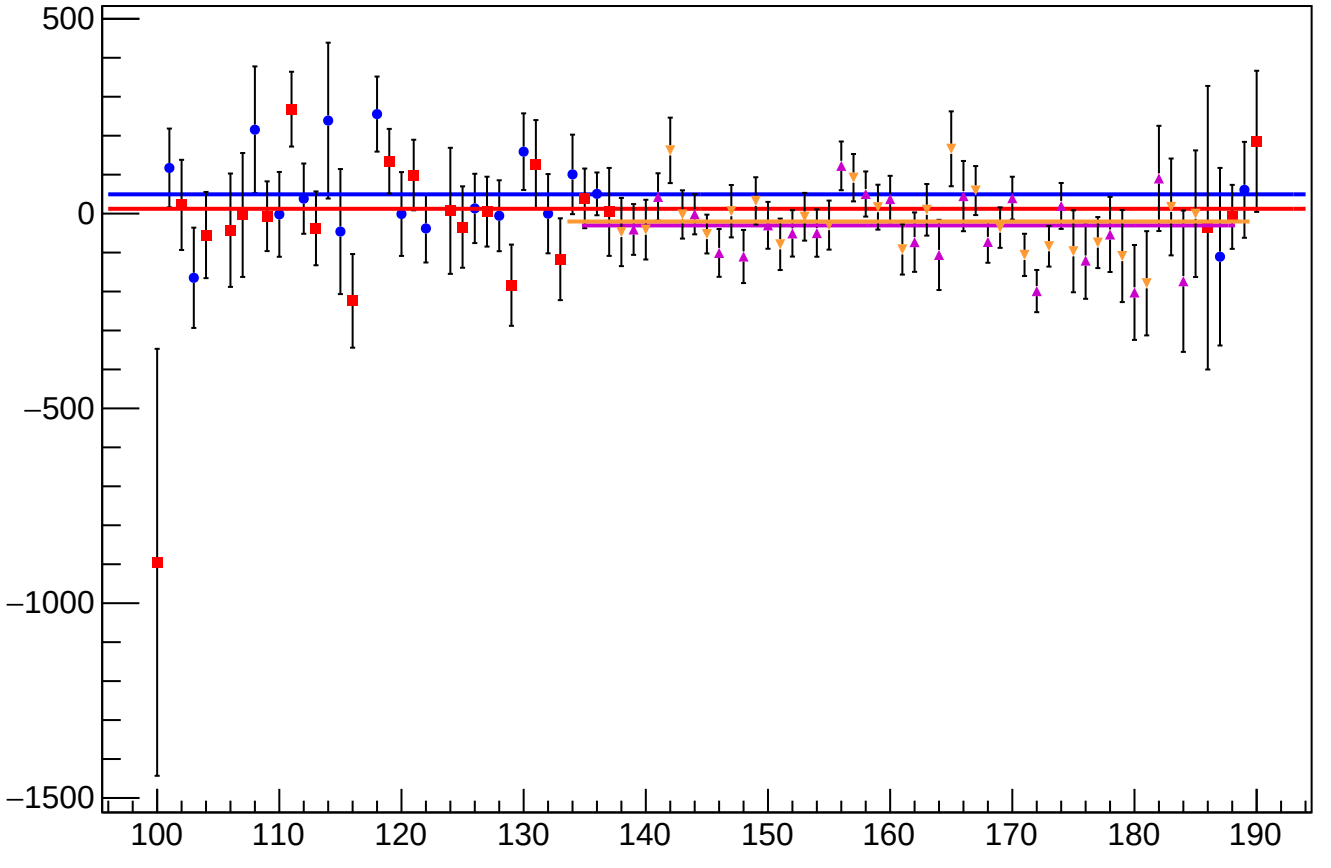
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 644.626+/-0.117 χ^2/NDF: 3427756.1/39

In: 473.396+/-0.068 χ^2/NDF:3497739.8/40

Out: 473.444+/-0.066 χ^2/NDF:4762753.9/46

All: 473.421+/-0.047 χ^2/NDF: 8260494.0/87



Right In: 49.468+/-23.889 χ^2/NDF: 14.3/17

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 12.349+/-23.086 χ^2/NDF: 25.0/21

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

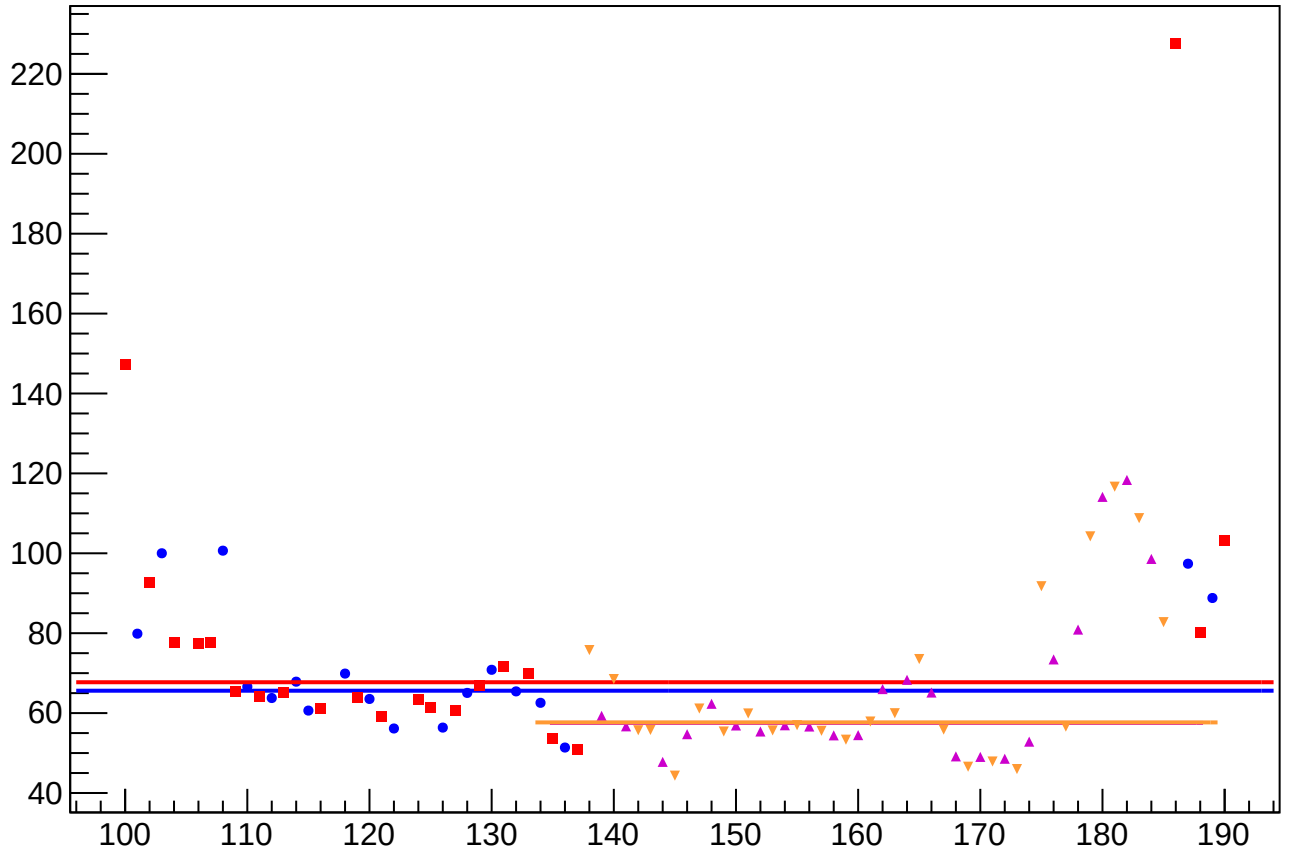
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 30.274+/-16.601 χ^2/NDF: 40.6/39

In: -9.967+/-12.065 χ^2/NDF:55.2/40

Out: -11.833+/-11.741 χ^2/NDF:51.6/46

All: -10.926+/-8.414 χ^2/NDF: 106.9/87



Right In: 65.602+/-0.017 χ^2/NDF: 580436.3/17

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 67.725+/-0.016 χ^2/NDF: 847800.4/21

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

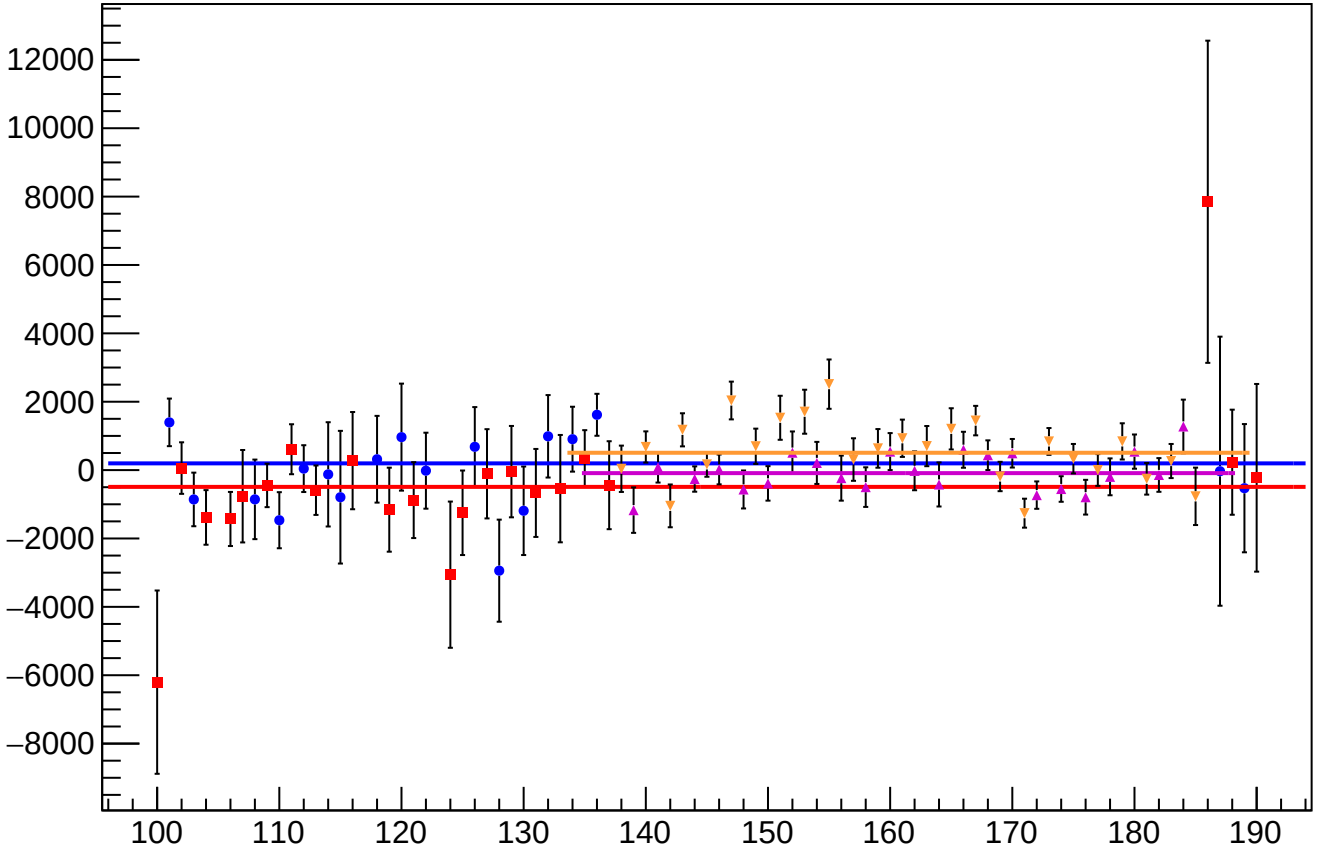
Right: 66.700+/-0.012 χ^2/NDF: 1436401.9/39

In: 59.596+/-0.009 χ^2/NDF:2193419.6/40

Out: 60.270+/-0.008 χ^2/NDF:3038911.5/46

All: 59.942+/-0.006 χ^2/NDF: 5235532.2/87

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 196.872+/-241.309 χ^2/NDF: 22.6/17

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -490.885+/-226.121 χ^2/NDF: 17.2/21

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

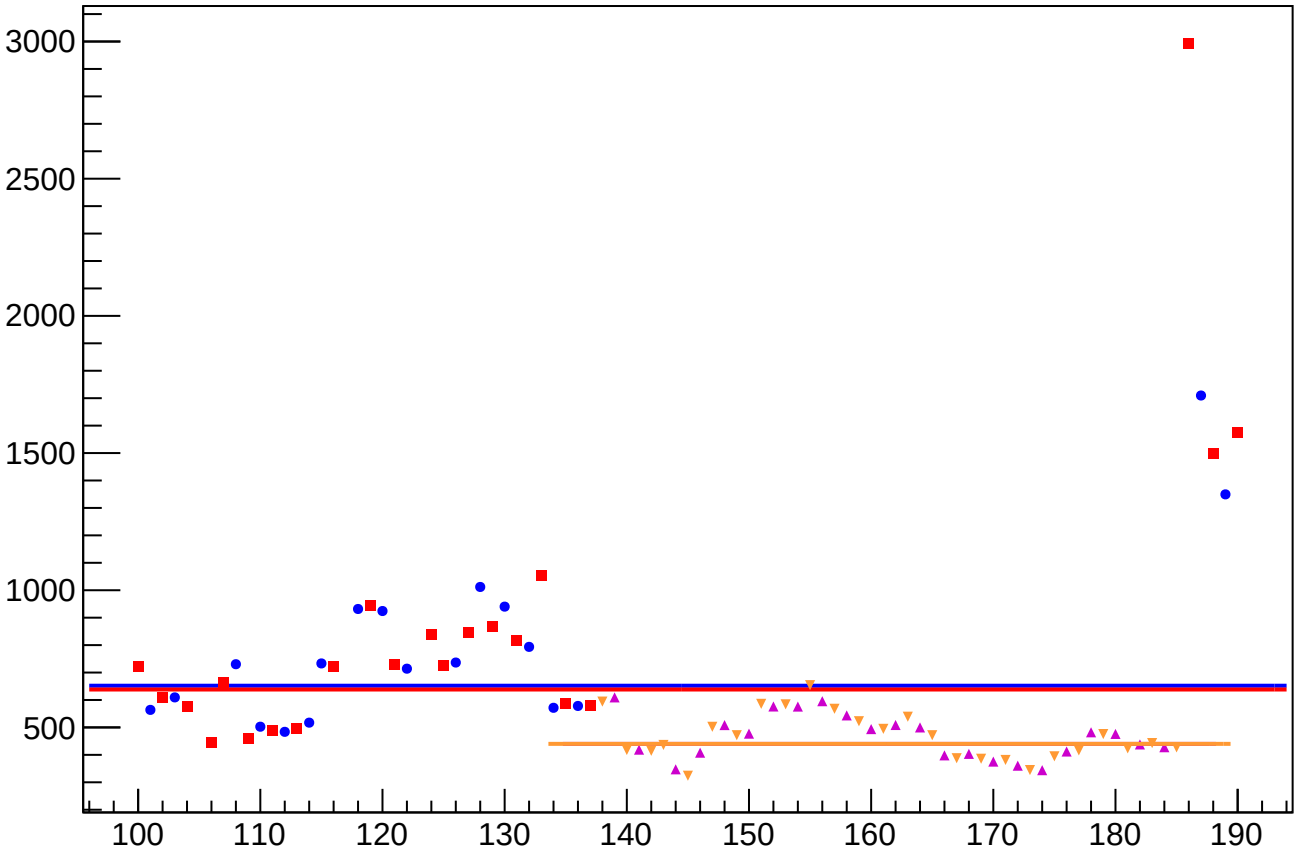
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -169.329+/-165.000 χ^2/NDF: 44.1/39

In: -43.380+/-95.926 χ^2/NDF:47.1/40

Out: 339.039+/-92.808 χ^2/NDF:99.2/46

All: 154.145+/-66.700 χ^2/NDF: 154.5/87



Right In: 651.988+/-0.171 χ^2/NDF: 1134736.7/17

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 638.160+/-0.160 χ^2/NDF: 2289526.5/21

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

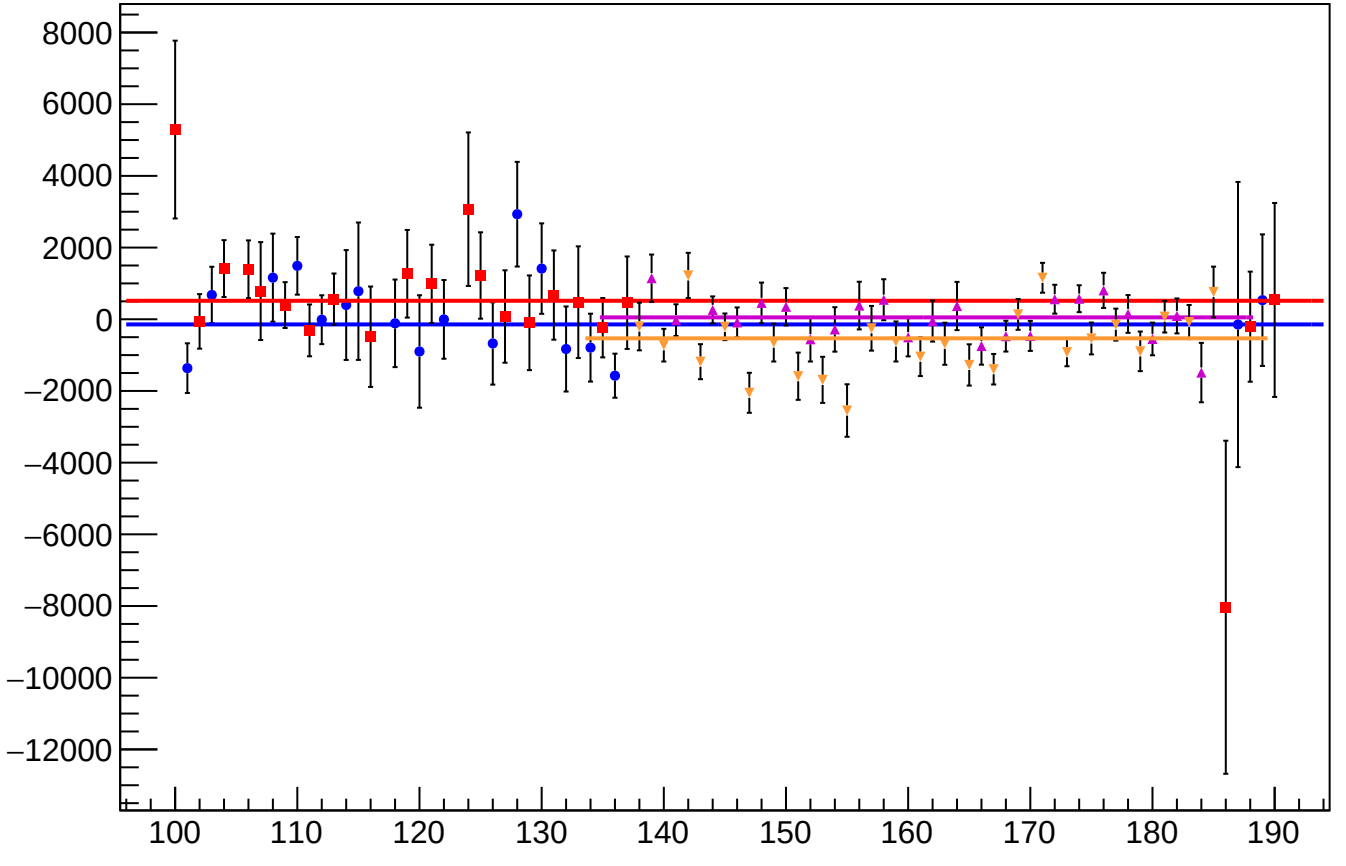
Right: 644.625+/-0.117 χ^2/NDF: 3427760.2/39

In: 473.395+/-0.068 χ^2/NDF:3497757.7/40

Out: 473.443+/-0.066 χ^2/NDF:4762771.1/46

All: 473.420+/-0.047 χ^2/NDF: 8260529.0/87

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -143.833+/-240.065 χ^2/NDF: 22.6/17

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 515.528+/-225.335 χ^2/NDF: 15.8/21

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

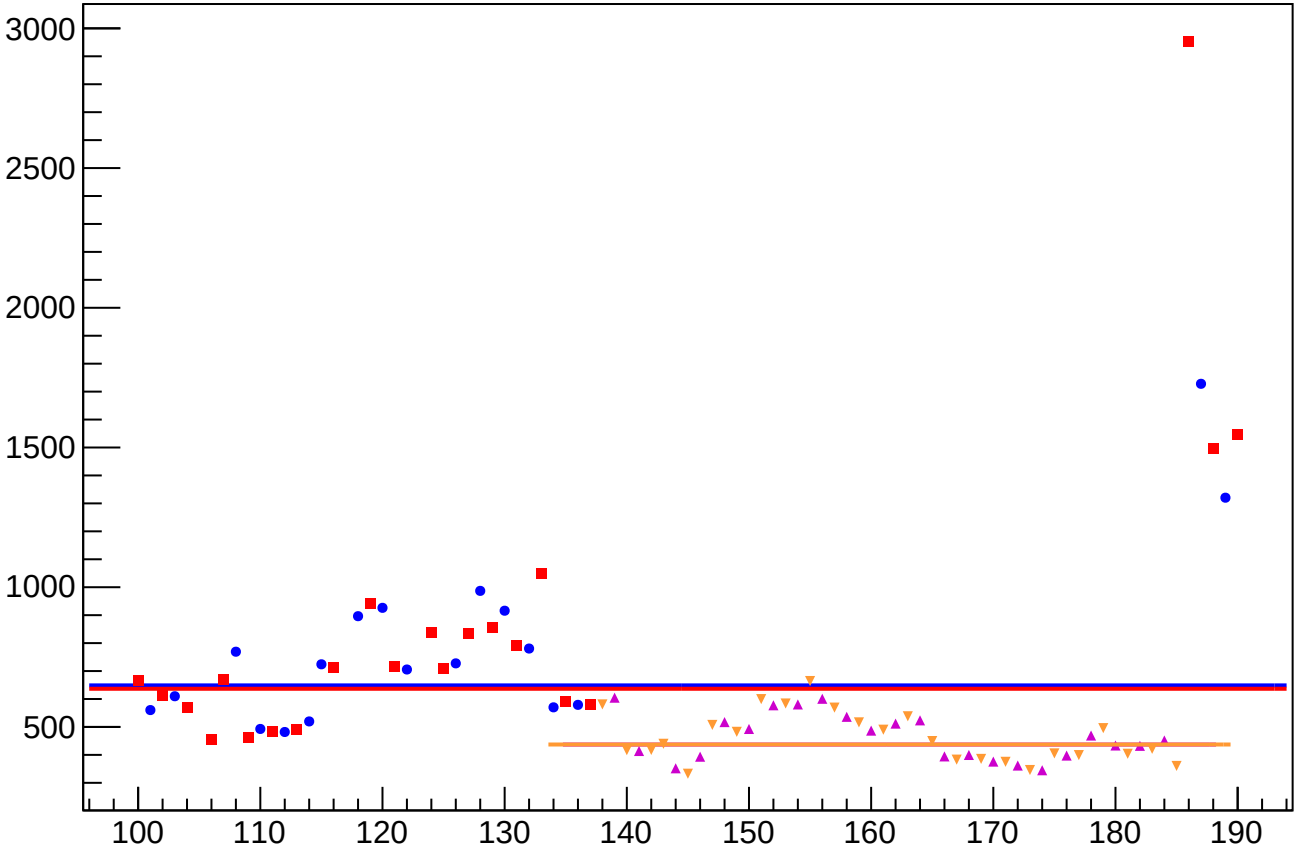
Right: 206.695+/-164.297 χ^2/NDF: 42.4/39

In: 21.586+/-95.329 χ^2/NDF:47.3/40

Out: -355.689+/-92.352 χ^2/NDF:99.3/46

All: -173.036+/-66.330 χ^2/NDF: 154.6/87

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 648.714+/-0.170 χ^2/NDF: 1104600.4/17

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 636.596+/-0.159 χ^2/NDF: 2240598.7/21

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

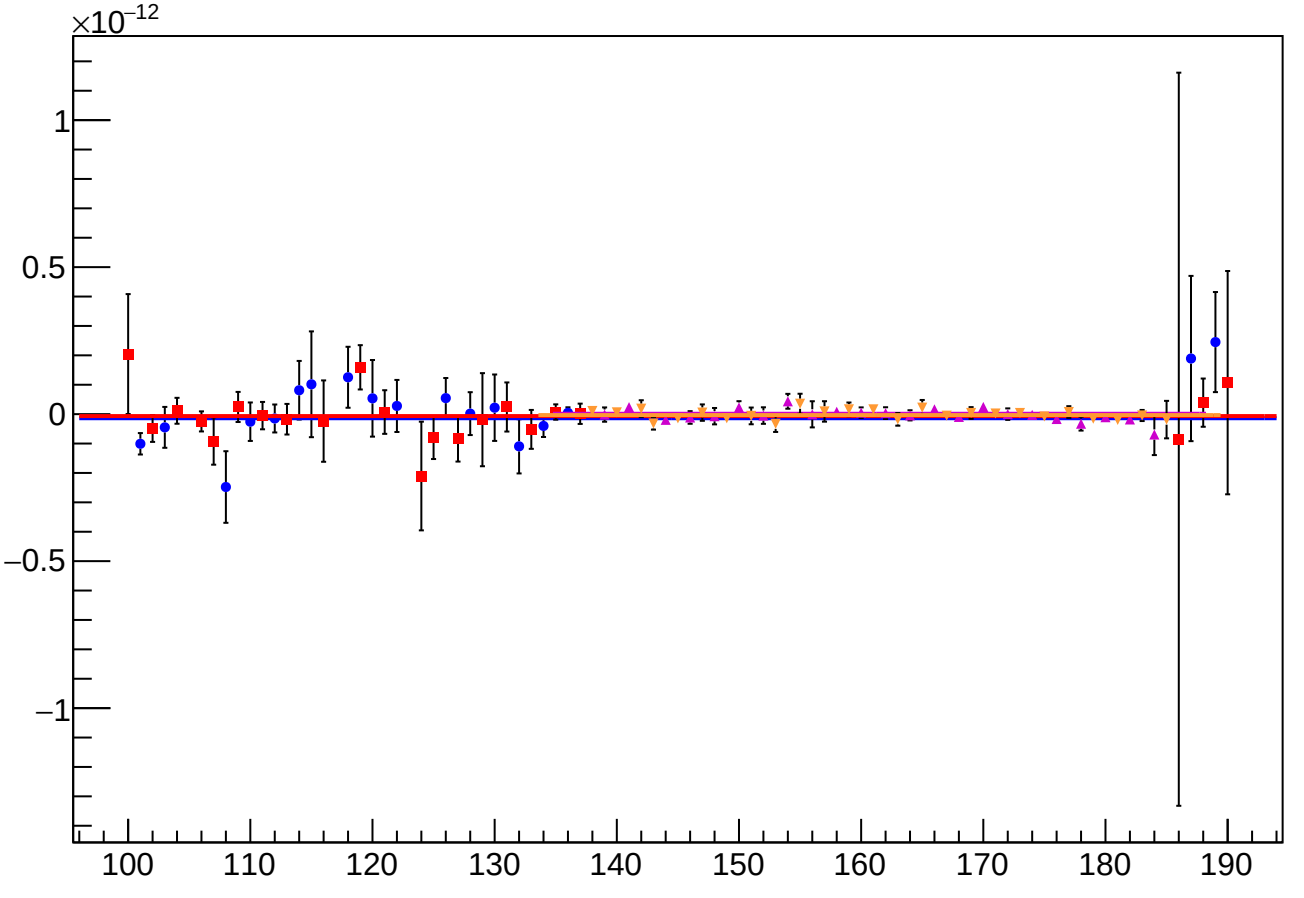
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 642.272+/-0.116 χ^2/NDF: 3347908.4/39

In: 470.332+/-0.067 χ^2/NDF:3495641.5/40

Out: 470.656+/-0.065 χ^2/NDF:4771615.4/46

All: 470.499+/-0.047 χ^2/NDF: 8267268.8/87



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.4/21

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

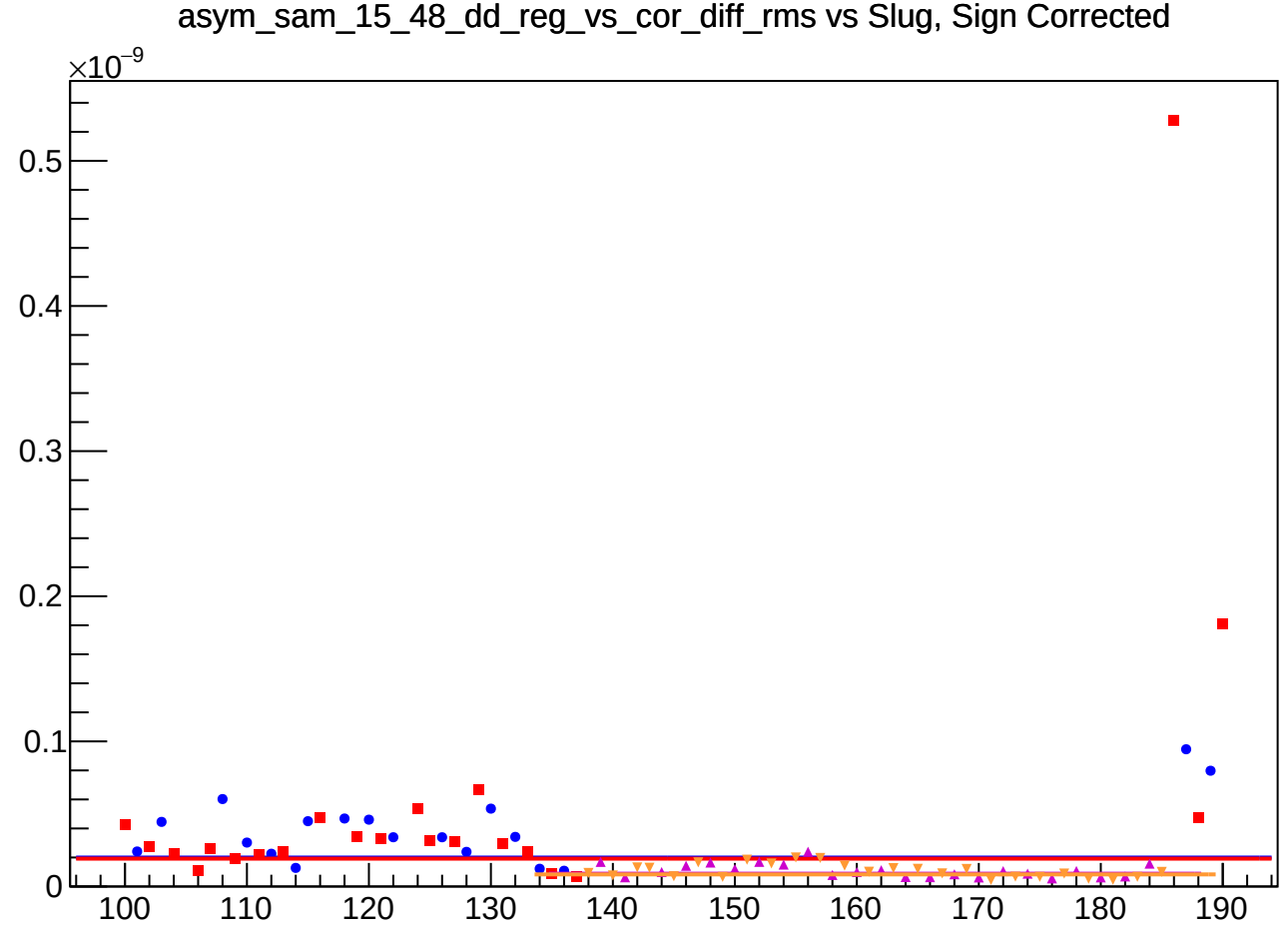
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 33.3/39

In: 0.000+/-0.000 χ^2/NDF:43.2/40

Out: -0.000+/-0.000 χ^2/NDF:27.8/46

All: -0.000+/-0.000 χ^2/NDF: 71.5/87



Right In: 0.000+/-0.000 χ^2/NDF: 2126523.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2381202.3/21

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

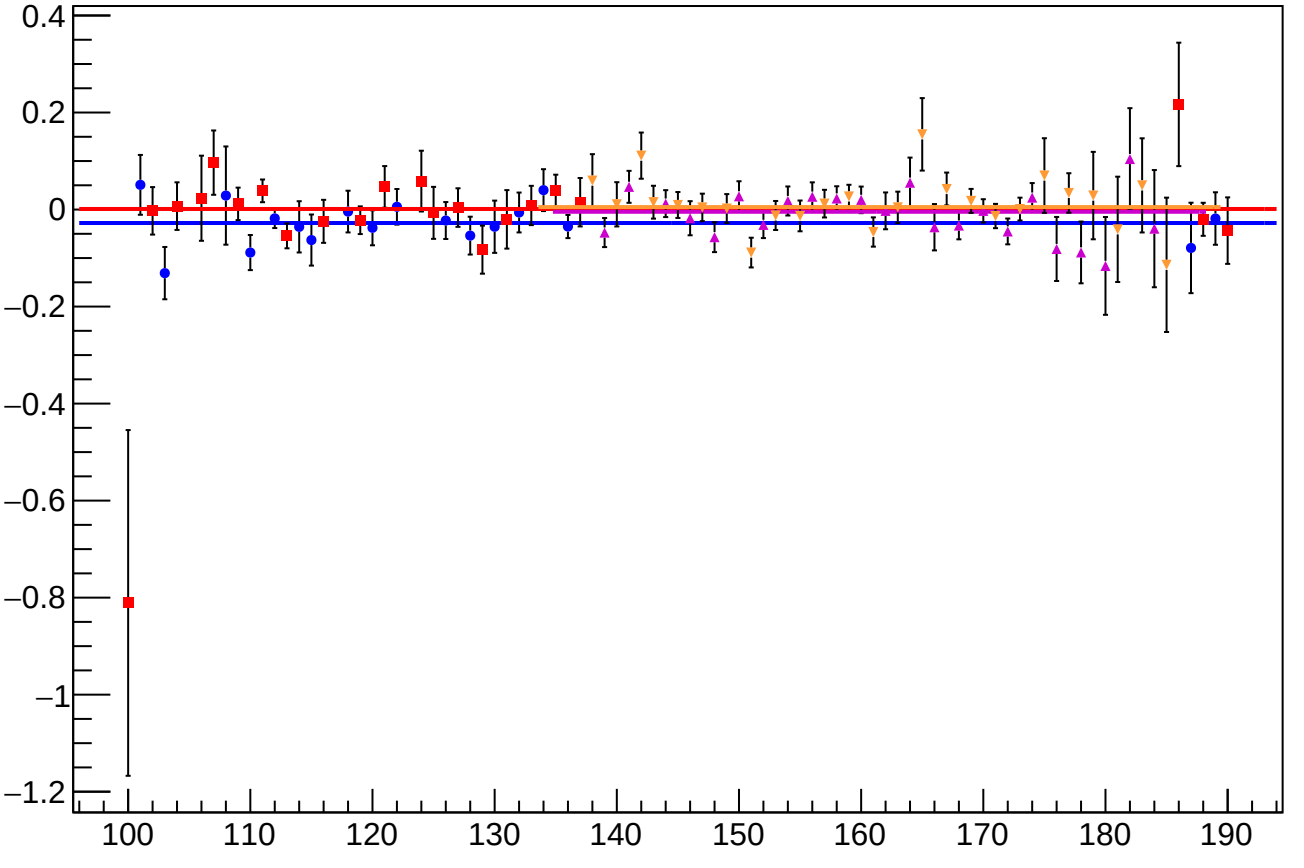
Right: 0.000+/-0.000 χ^2/NDF: 4511251.4/39

In: 0.000+/-0.000 χ^2/NDF:5213229.5/40

Out: 0.000+/-0.000 χ^2/NDF:6098263.2/46

All: 0.000+/-0.000 χ^2/NDF: 11336242.5/87

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.009 χ^2/NDF: 25.8/21

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

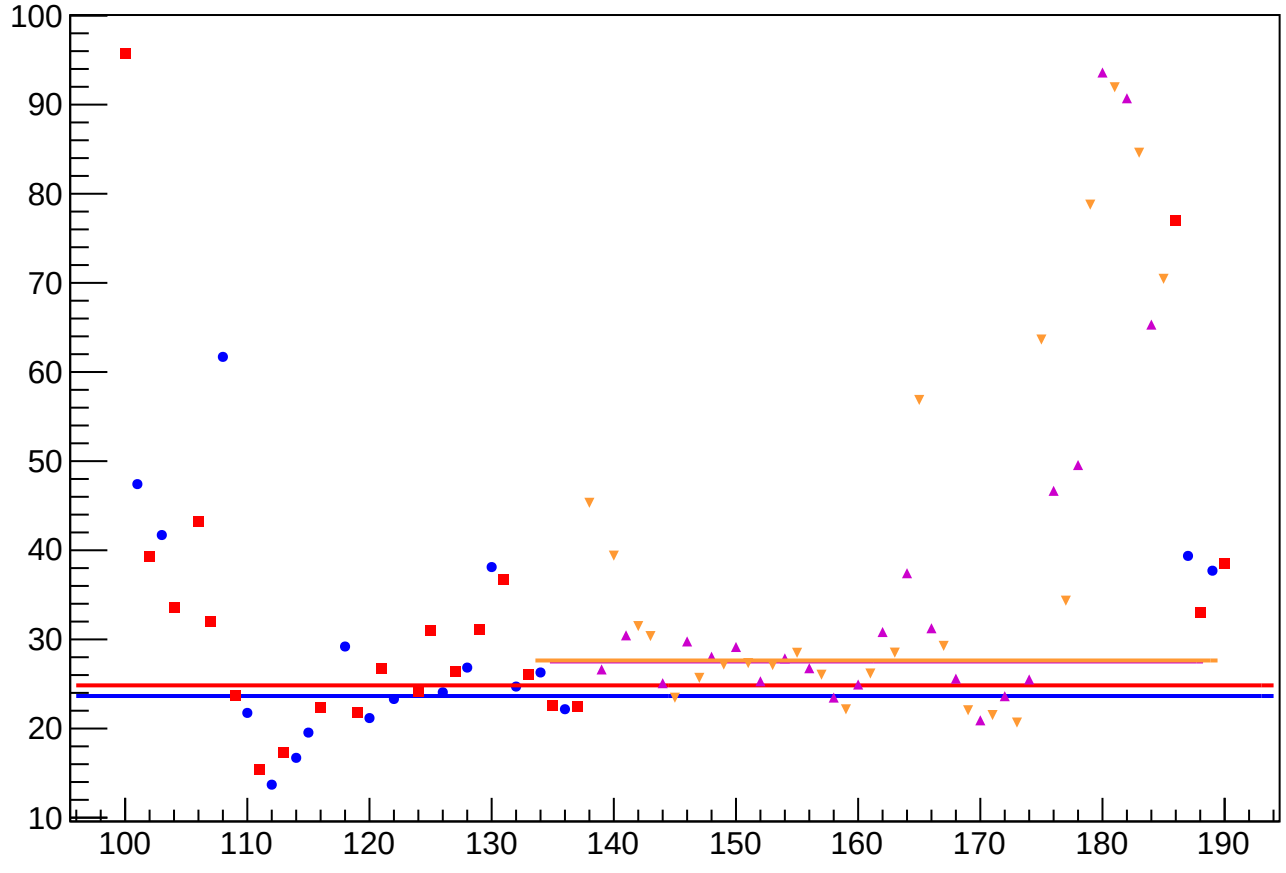
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.013+/-0.006 χ^2/NDF: 44.9/39

In: -0.013+/-0.006 χ^2/NDF:43.1/40

Out: 0.004+/-0.005 χ^2/NDF:54.3/46

All: -0.004+/-0.004 χ^2/NDF: 102.1/87



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 24.843+/-0.006 χ^2/NDF: 1650473.2/21

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

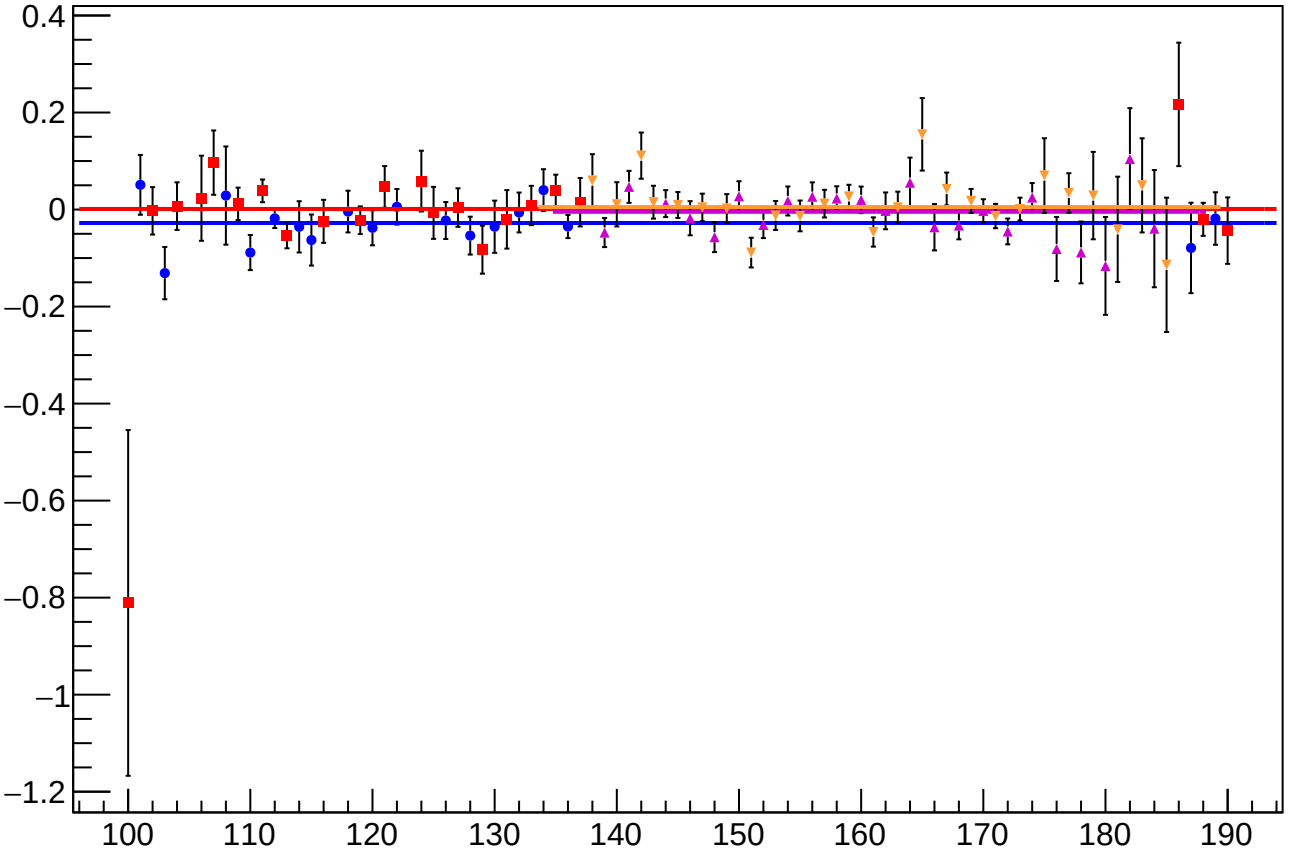
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 24.269+/-0.005 χ^2/NDF: 3432082.0/39

In: 26.110+/-0.004 χ^2/NDF:4623533.4/40

Out: 26.591+/-0.004 χ^2/NDF:5748778.4/46

All: 26.357+/-0.003 χ^2/NDF: 10379993.0/87



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.009 χ^2/NDF: 25.8/21

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

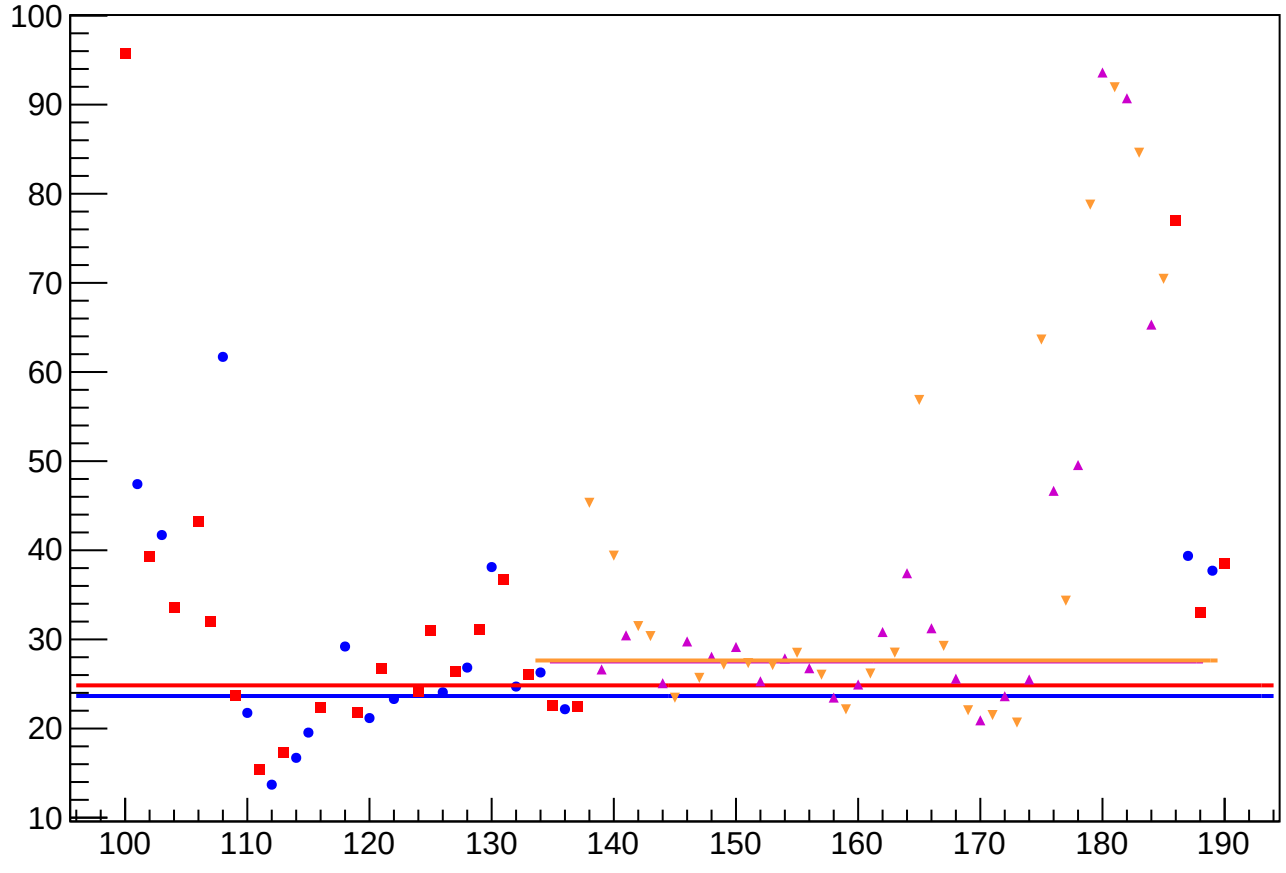
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.013+/-0.006 χ^2/NDF: 44.9/39

In: -0.013+/-0.006 χ^2/NDF:43.1/40

Out: 0.004+/-0.005 χ^2/NDF:54.3/46

All: -0.004+/-0.004 χ^2/NDF: 102.1/87



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 24.843+/-0.006 χ^2/NDF: 1650473.2/21

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

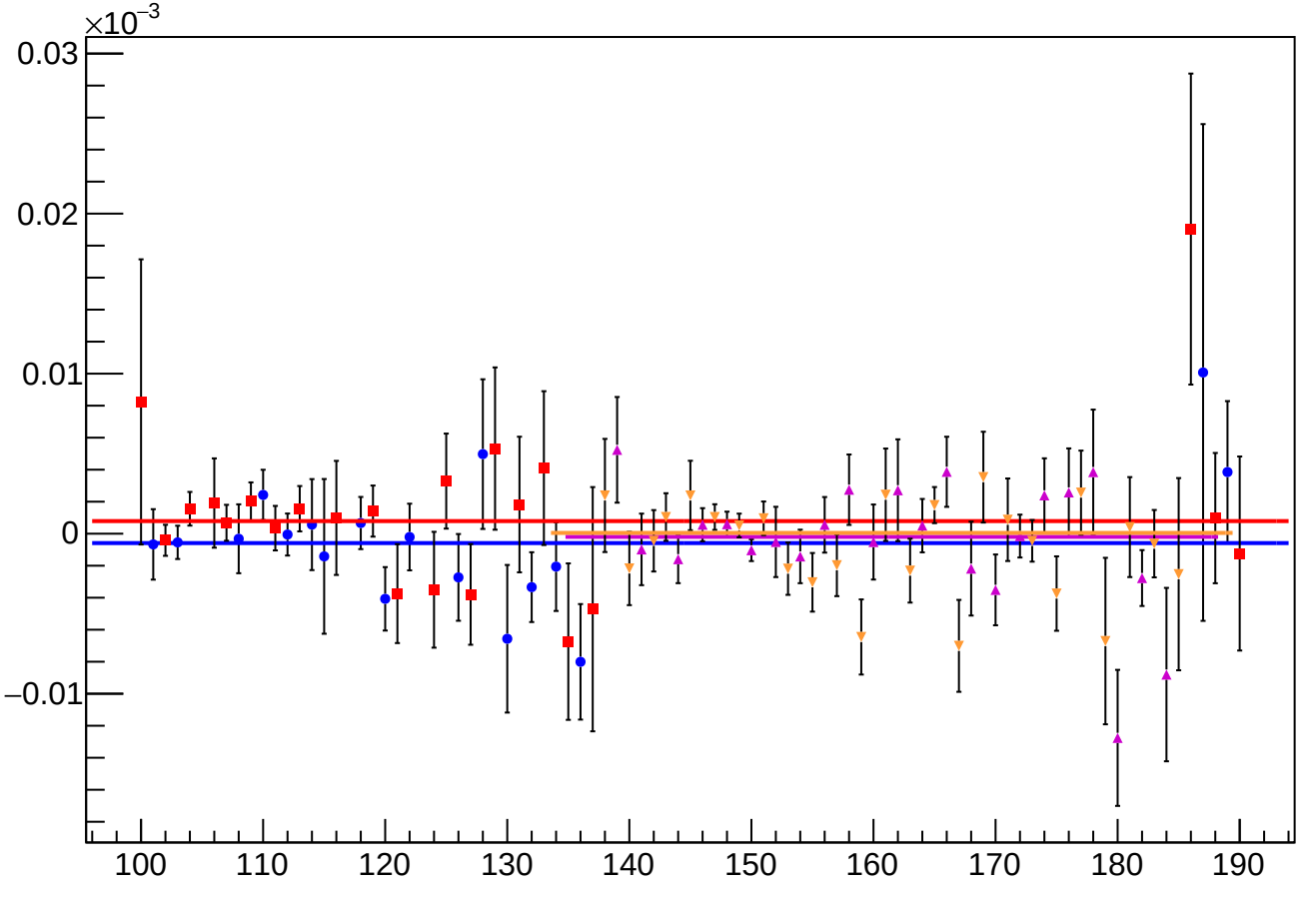
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 24.269+/-0.005 χ^2/NDF: 3432082.0/39

In: 26.110+/-0.004 χ^2/NDF:4623533.4/40

Out: 26.591+/-0.004 χ^2/NDF:5748778.4/46

All: 26.357+/-0.003 χ^2/NDF: 10379993.0/87



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/21

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

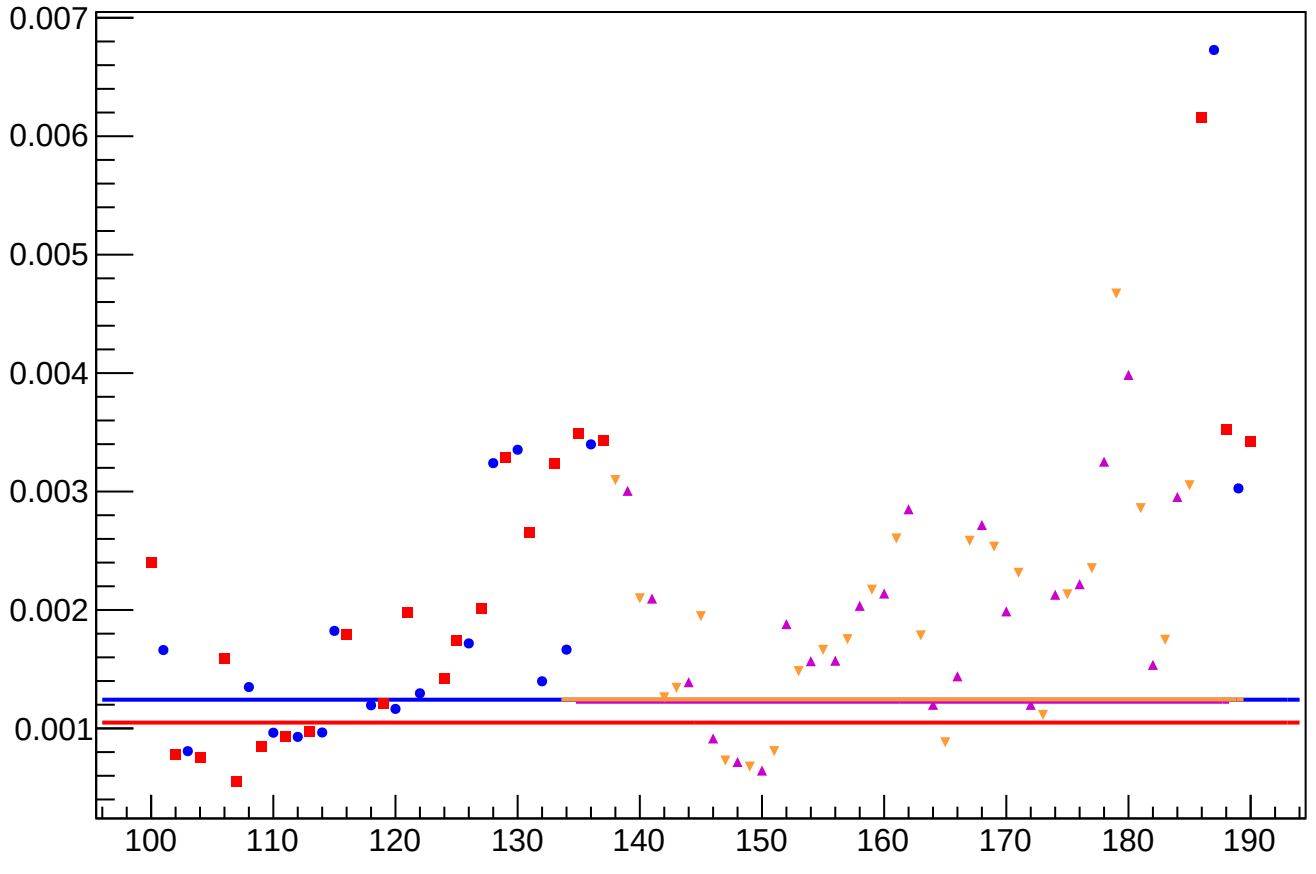
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 42.4/39

In: -0.000+/-0.000 χ^2/NDF:52.8/40

Out: 0.000+/-0.000 χ^2/NDF:57.8/46

All: 0.000+/-0.000 χ^2/NDF: 113.5/87



Right In: 0.001+/-0.000 χ^2/NDF: 2847705.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4899163.9/21

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

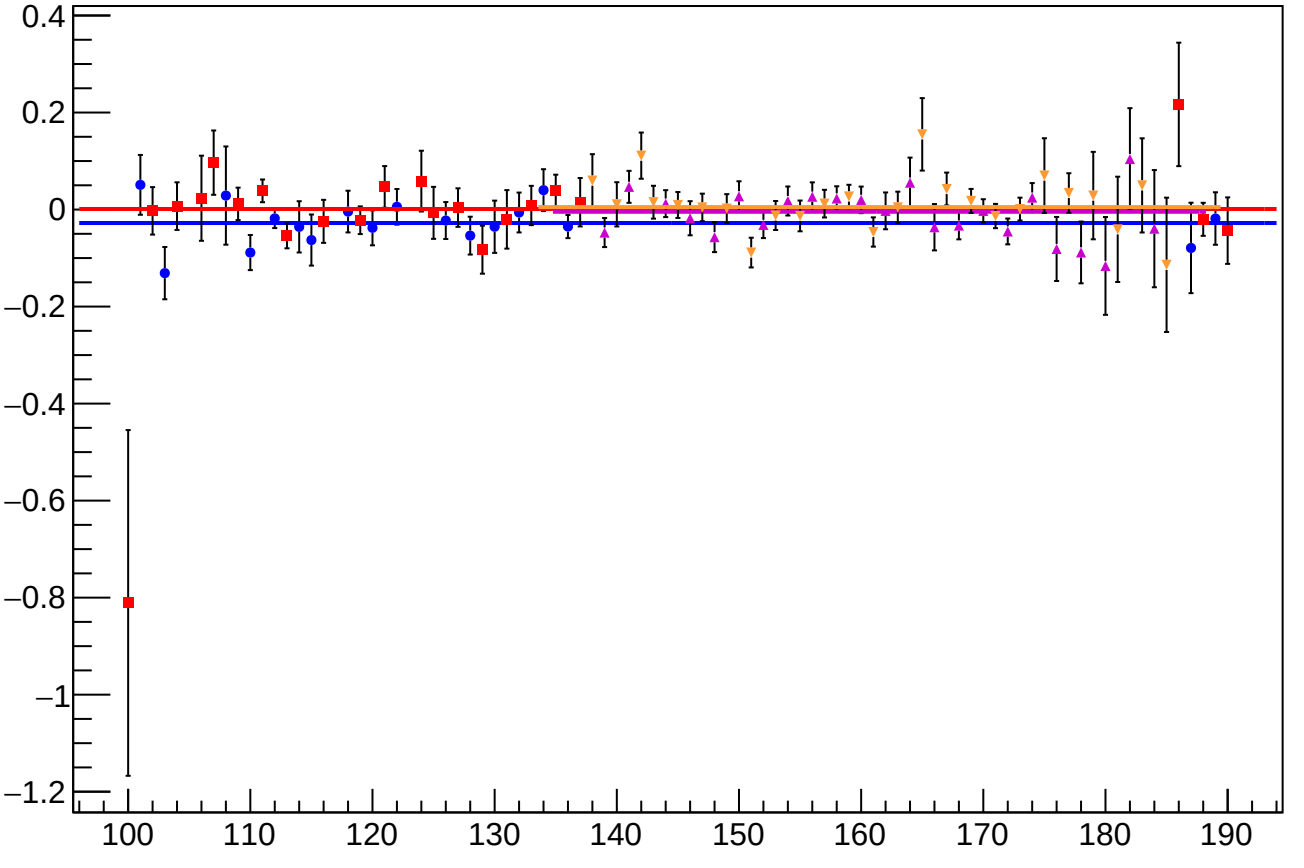
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 7925110.3/39

In: 0.001+/-0.000 χ^2/NDF:10672212.6/40

Out: 0.001+/-0.000 χ^2/NDF:13514346.1/46

All: 0.001+/-0.000 χ^2/NDF: 24237646.4/87



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.009 χ^2/NDF: 25.8/21

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

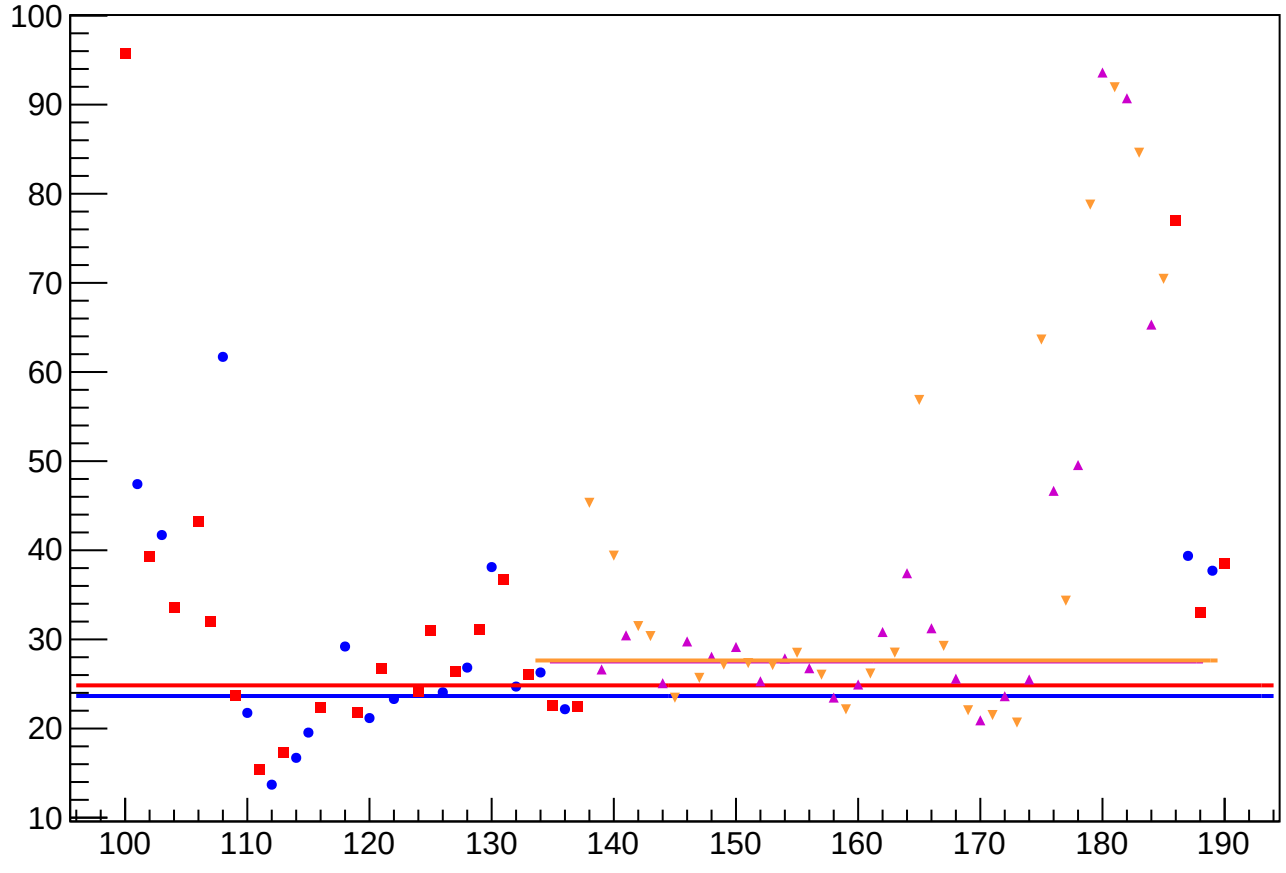
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.013+/-0.006 χ^2/NDF: 44.9/39

In: -0.013+/-0.006 χ^2/NDF:43.1/40

Out: 0.004+/-0.005 χ^2/NDF:54.3/46

All: -0.004+/-0.004 χ^2/NDF: 102.1/87



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 24.842+/-0.006 χ^2/NDF: 1650560.7/21

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

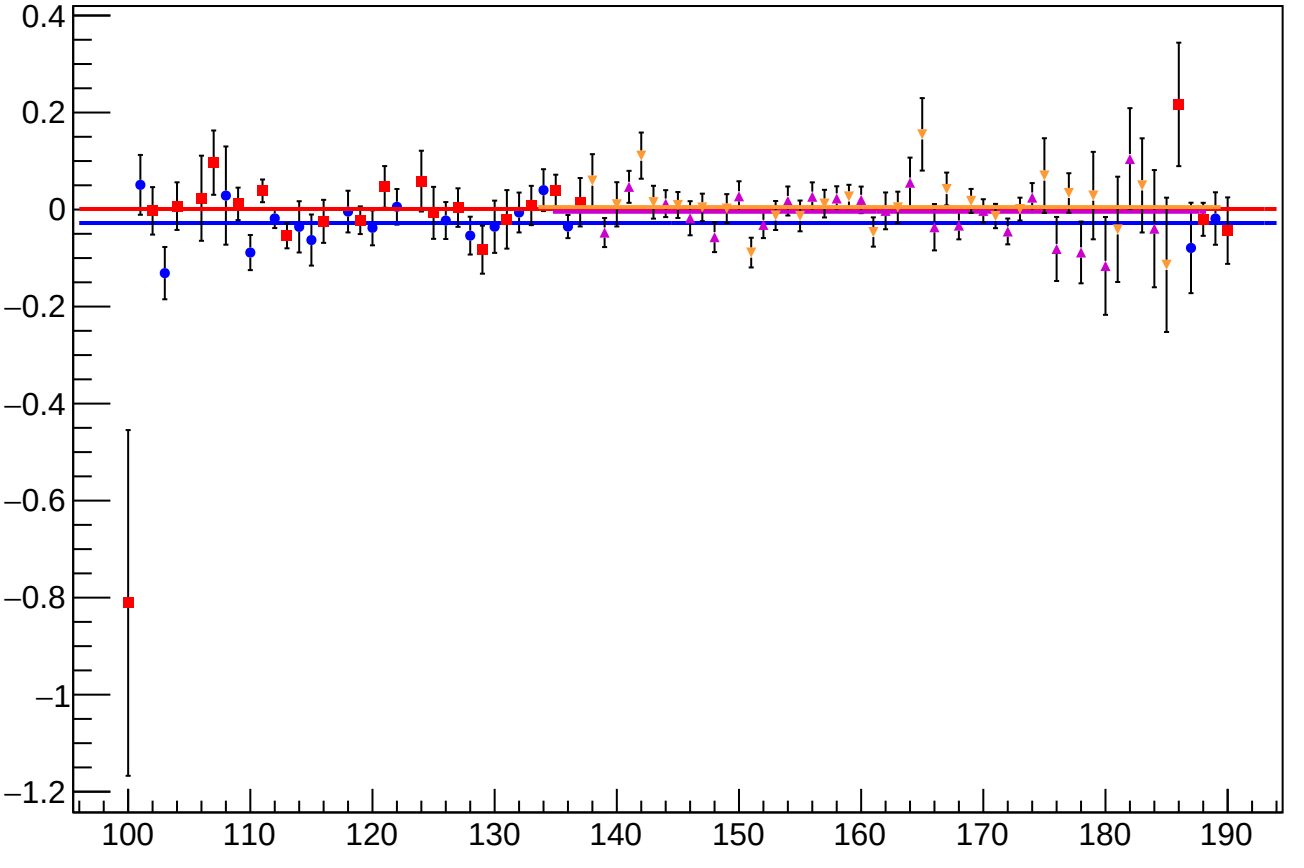
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 24.268+/-0.005 χ^2/NDF: 3432176.1/39

In: 26.110+/-0.004 χ^2/NDF:4623556.0/40

Out: 26.592+/-0.004 χ^2/NDF:5748855.7/46

All: 26.357+/-0.003 χ^2/NDF: 10380095.4/87



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.001+/-0.009 χ^2/NDF: 25.8/21

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

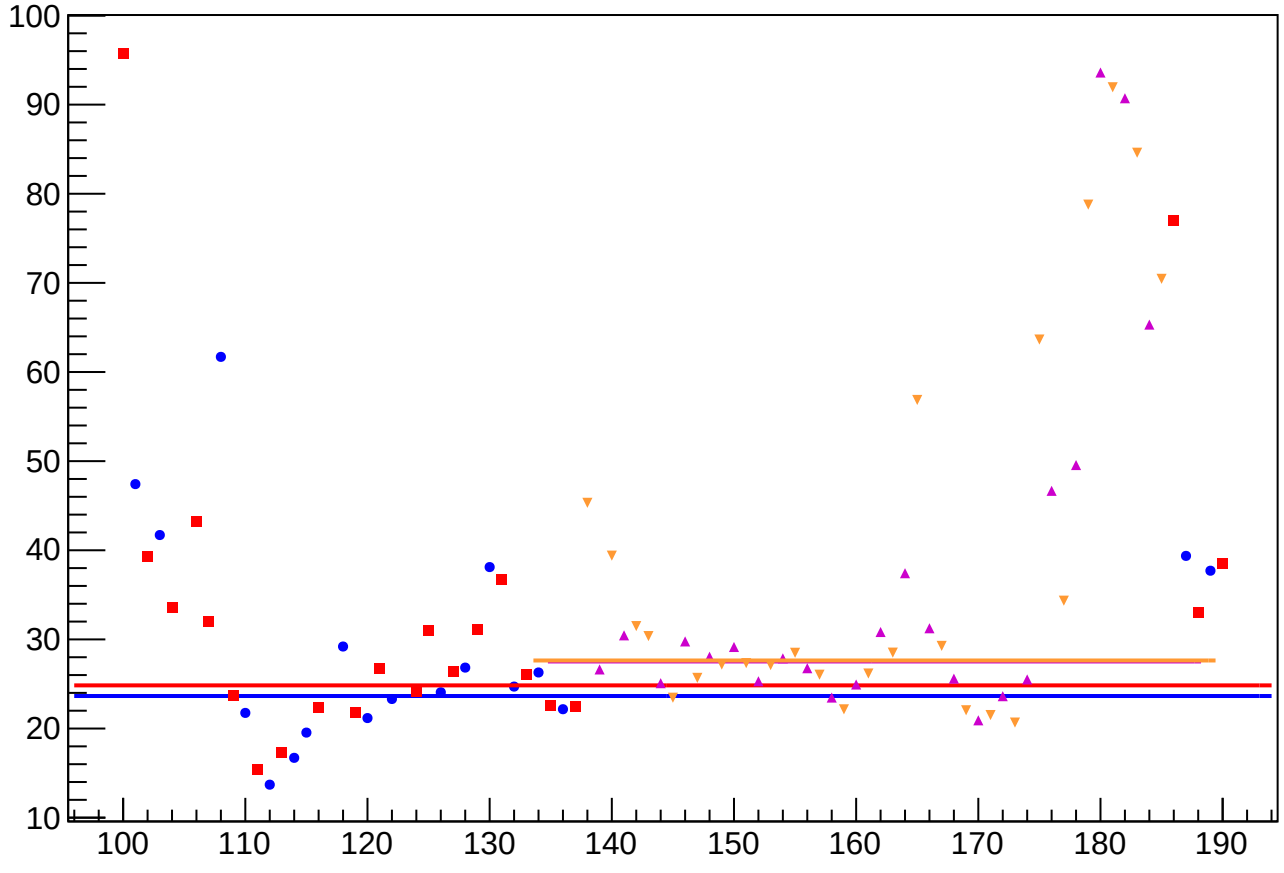
Right: -0.013+/-0.006 χ^2/NDF: 44.9/39

In: -0.013+/-0.006 χ^2/NDF:43.1/40

Out: 0.004+/-0.005 χ^2/NDF:54.3/46

All: -0.004+/-0.004 χ^2/NDF: 102.1/87

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 24.842+/-0.006 χ^2/NDF: 1650560.7/21

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

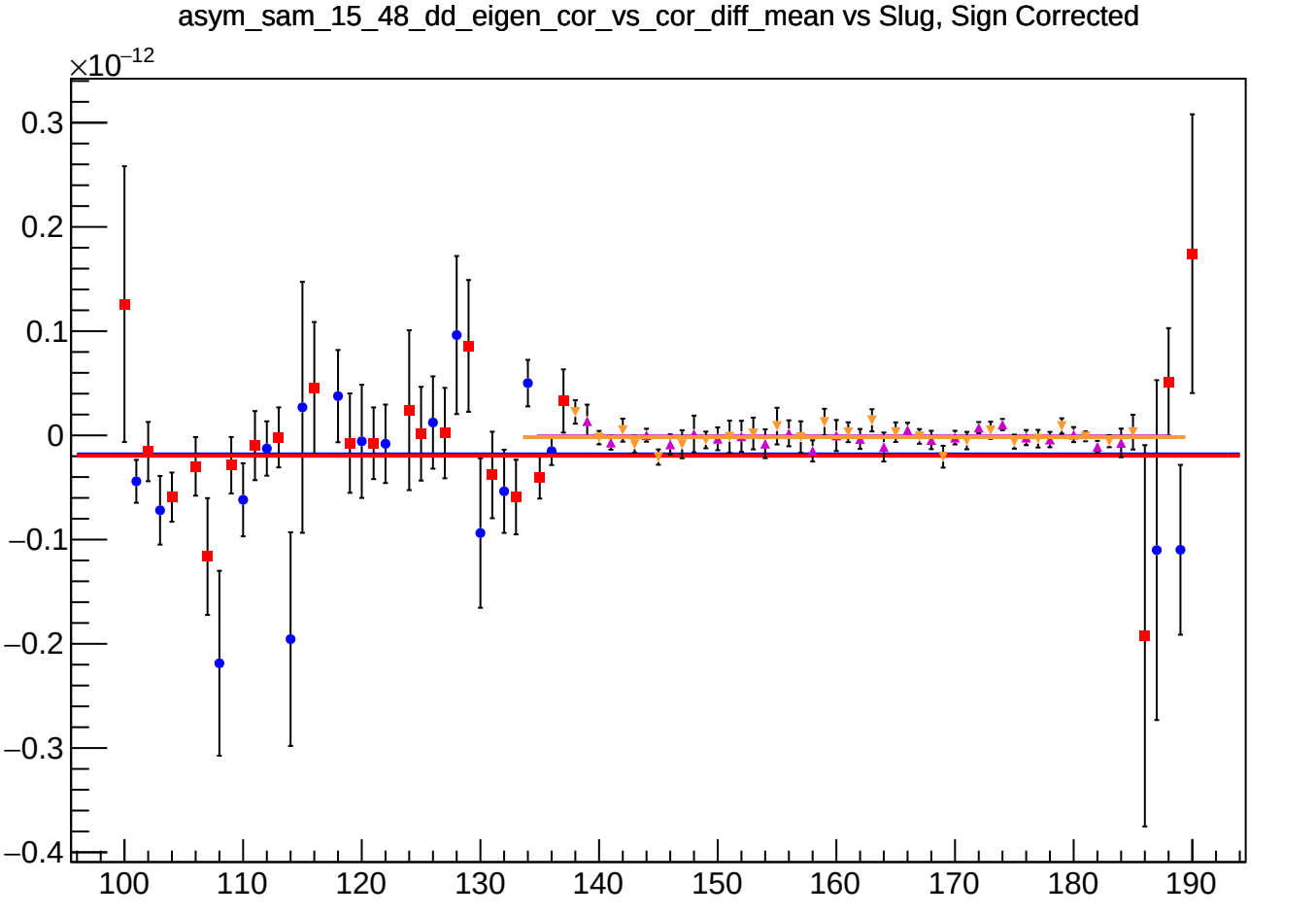
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 24.268+/-0.005 χ^2/NDF: 3432176.1/39

In: 26.110+/-0.004 χ^2/NDF:4623556.0/40

Out: 26.592+/-0.004 χ^2/NDF:5748855.7/46

All: 26.357+/-0.003 χ^2/NDF: 10380095.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/21

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

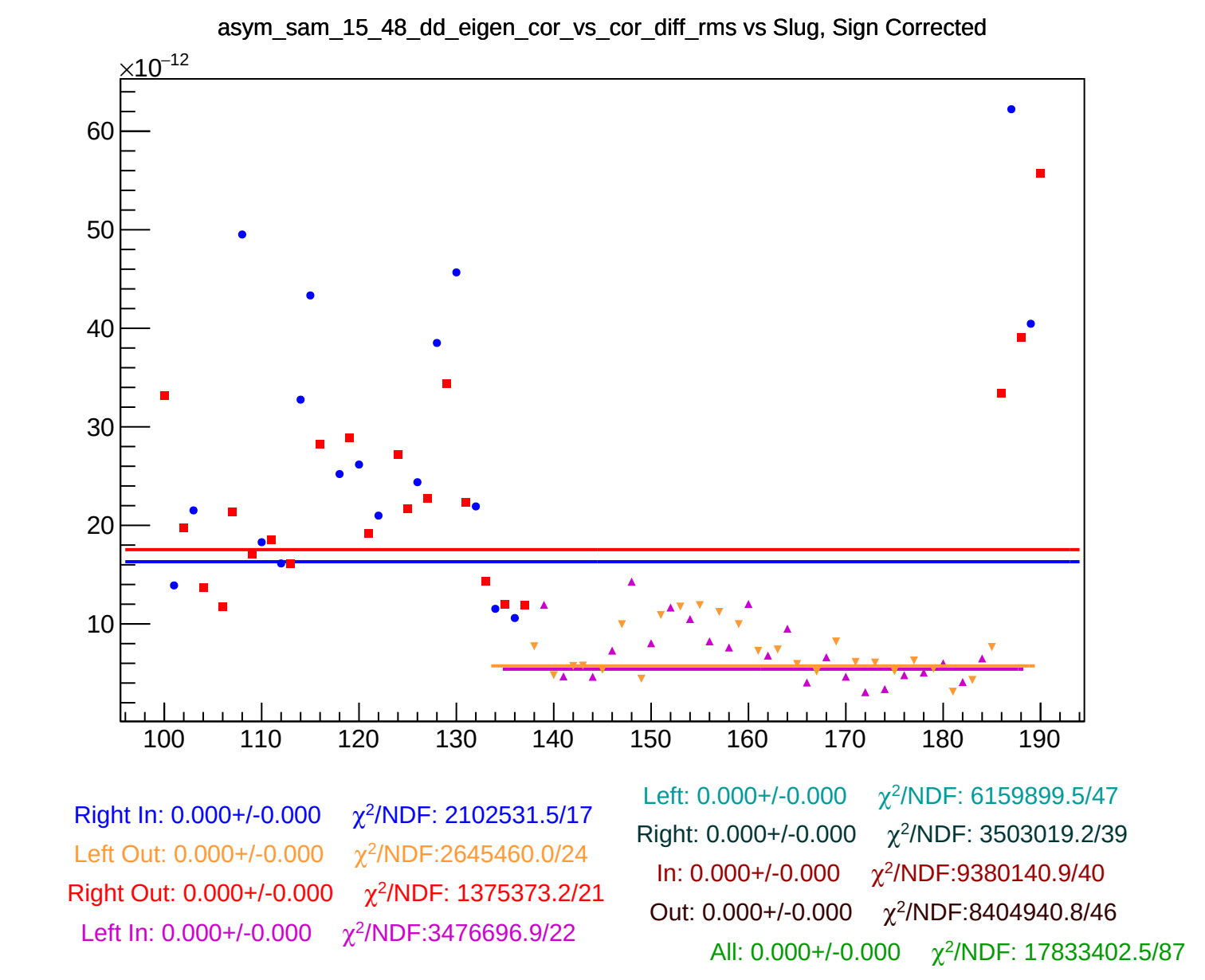
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

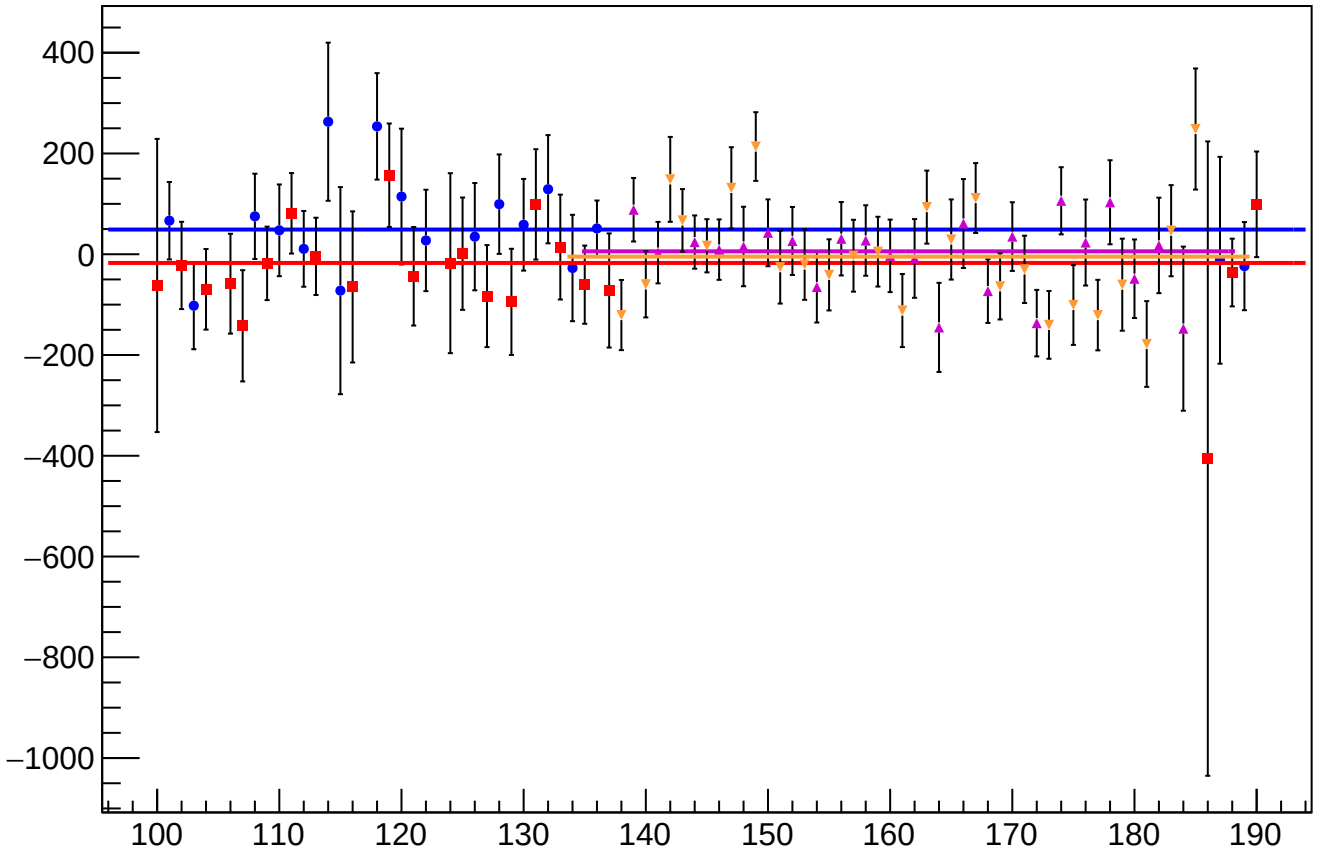
Right: -0.000+/-0.000 χ^2/NDF: 54.4/39

In: -0.000+/-0.000 χ^2/NDF:52.7/40

Out: -0.000+/-0.000 χ^2/NDF:52.4/46

All: -0.000+/-0.000 χ^2/NDF: 105.2/87


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2102531.5/17
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1375373.2/21
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
Left: 0.000+/-0.000 χ²/NDF: 6159899.5/47
Right: 0.000+/-0.000 χ²/NDF: 3503019.2/39
In: 0.000+/-0.000 χ²/NDF:9380140.9/40
Out: 0.000+/-0.000 χ²/NDF:8404940.8/46
All: 0.000+/-0.000 χ²/NDF: 17833402.5/87



Right In: 49.003+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.266+/-20.952 χ^2/NDF: 10.9/21

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

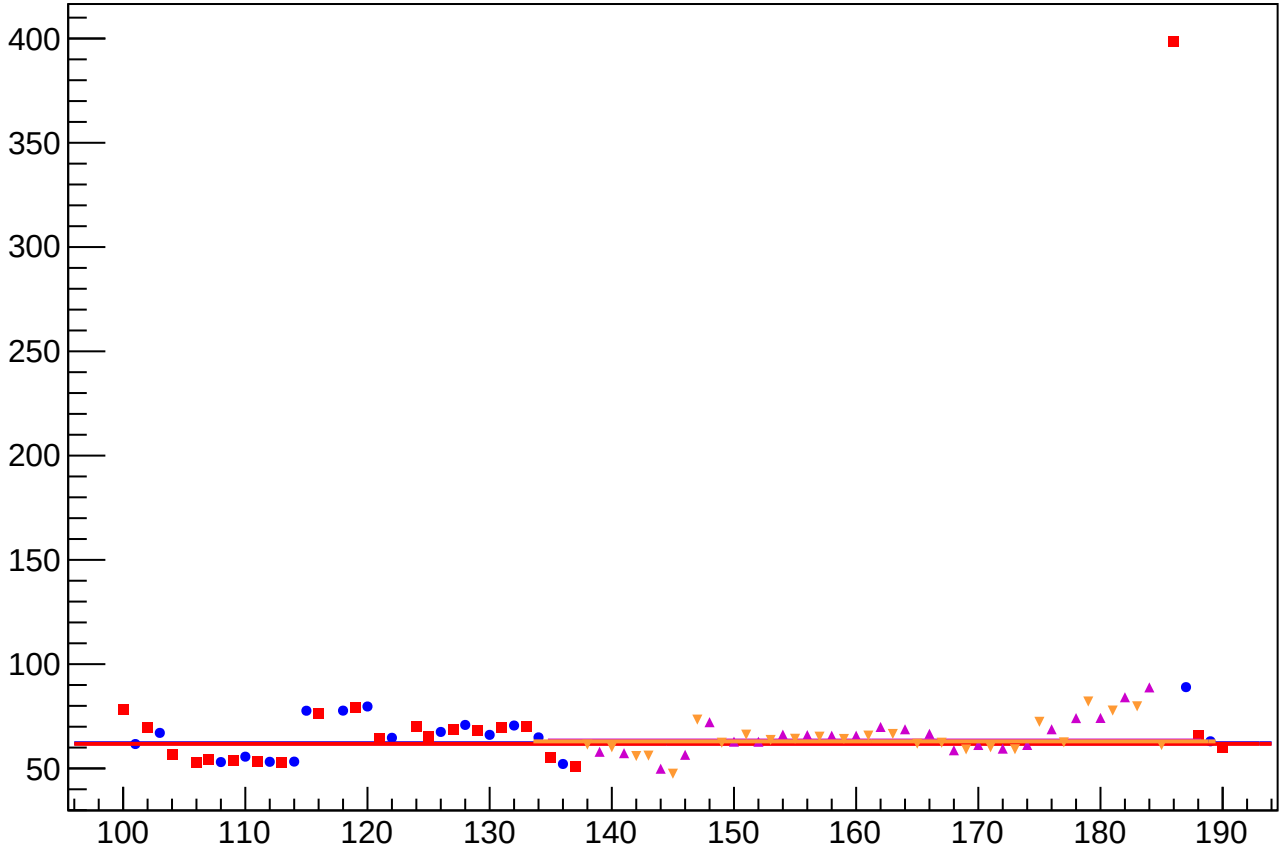
Right: 13.846+/-15.261 χ^2/NDF: 27.5/39

In: 19.179+/-12.402 χ^2/NDF:32.8/40

Out: -8.772+/-11.885 χ^2/NDF:58.5/46

All: 4.609+/-8.581 χ^2/NDF: 93.9/87

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 62.082+/-0.016 χ^2/NDF: 302293.8/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.783+/-0.015 χ^2/NDF: 866516.1/21

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

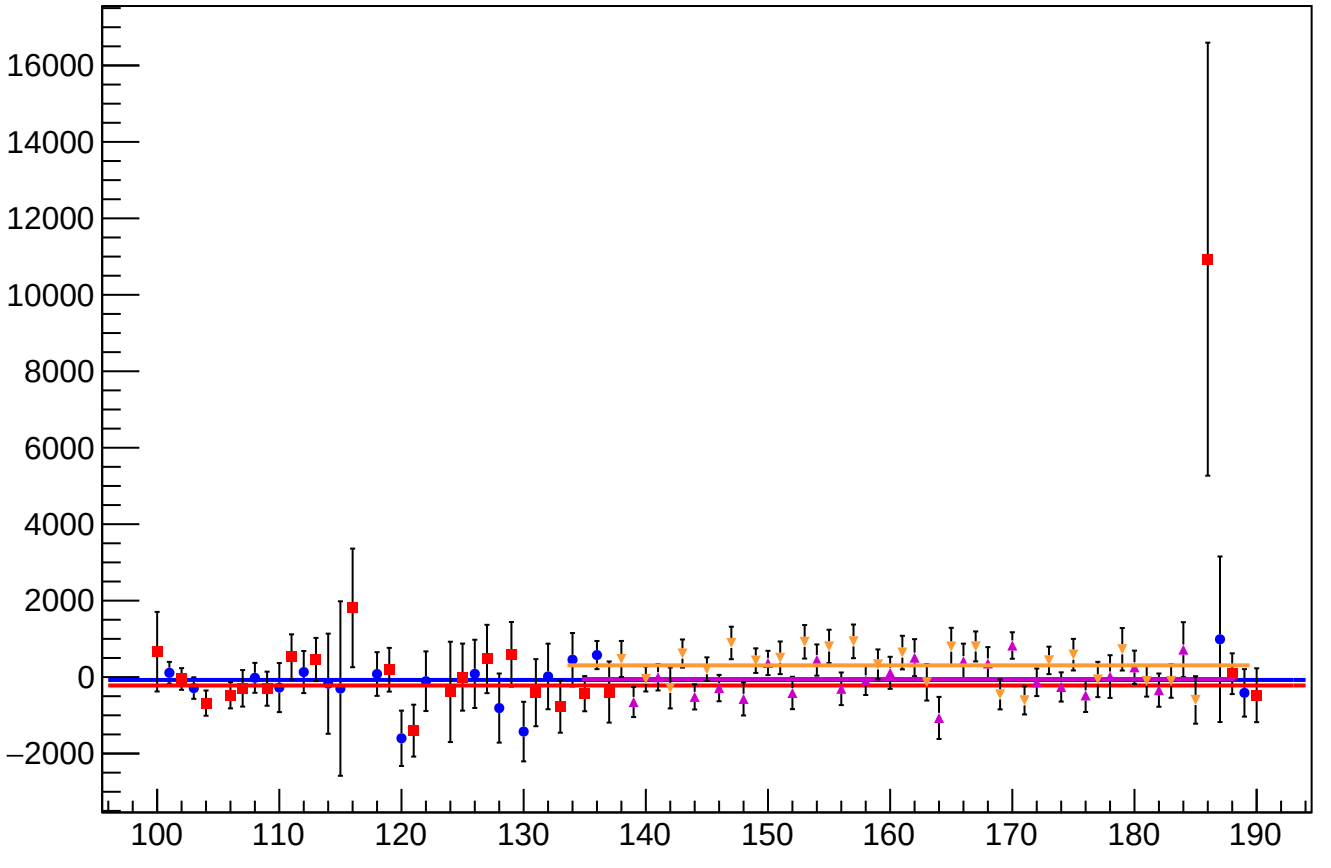
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.923+/-0.011 χ^2/NDF: 1169000.6/39

In: 62.967+/-0.009 χ^2/NDF:803804.5/40

Out: 62.592+/-0.008 χ^2/NDF:1397775.1/46

All: 62.772+/-0.006 χ^2/NDF: 2202533.3/87



Right In: -74.749+/-126.722 χ^2/NDF: 13.7/17

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -219.429+/-117.948 χ^2/NDF: 18.9/21

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

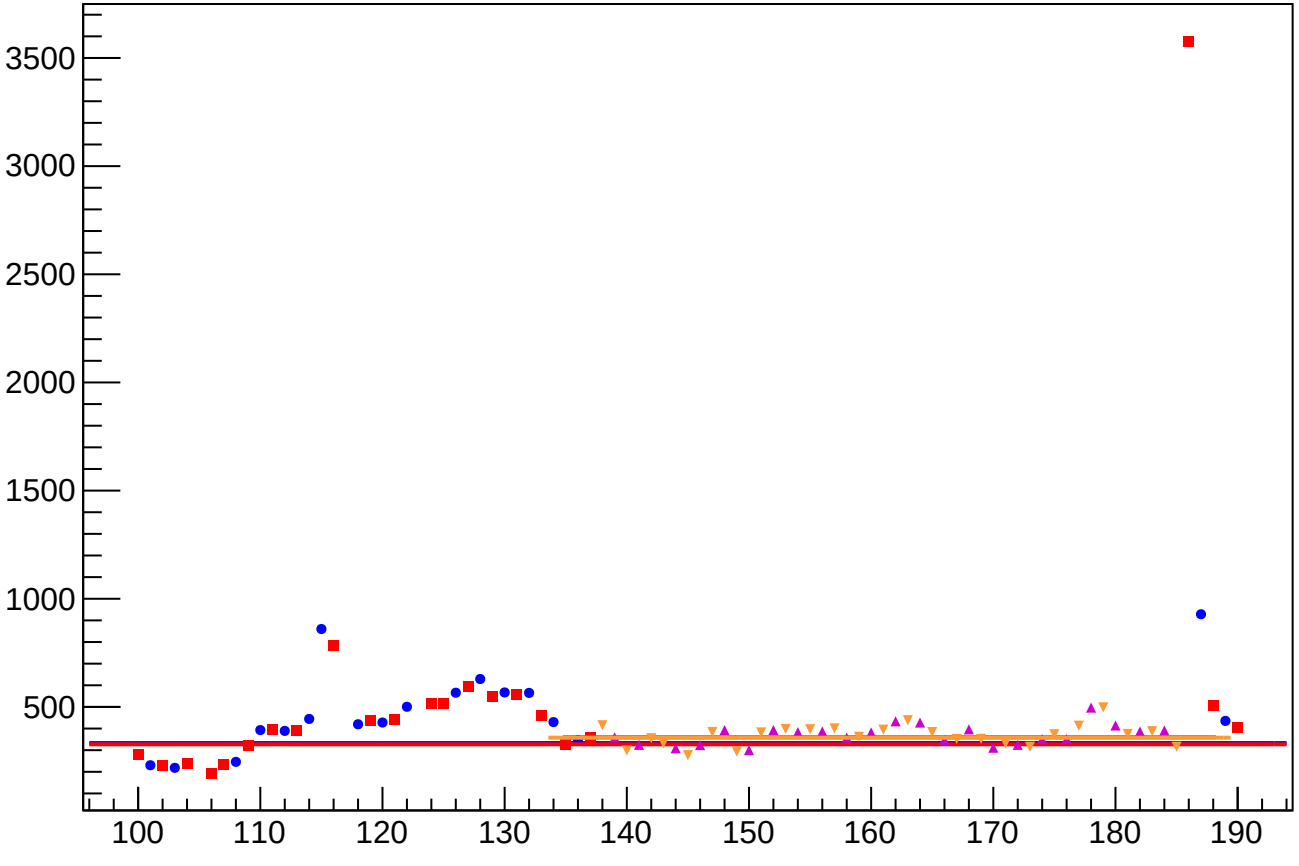
Right: -152.271+/-86.337 χ^2/NDF: 33.3/39

In: -57.680+/-70.498 χ^2/NDF:41.0/40

Out: 134.571+/-67.527 χ^2/NDF:62.9/46

All: 42.581+/-48.765 χ^2/NDF: 107.8/87

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 332.750+/-0.090 χ^2/NDF: 1944990.5/17

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 327.160+/-0.083 χ^2/NDF: 2725301.6/21

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

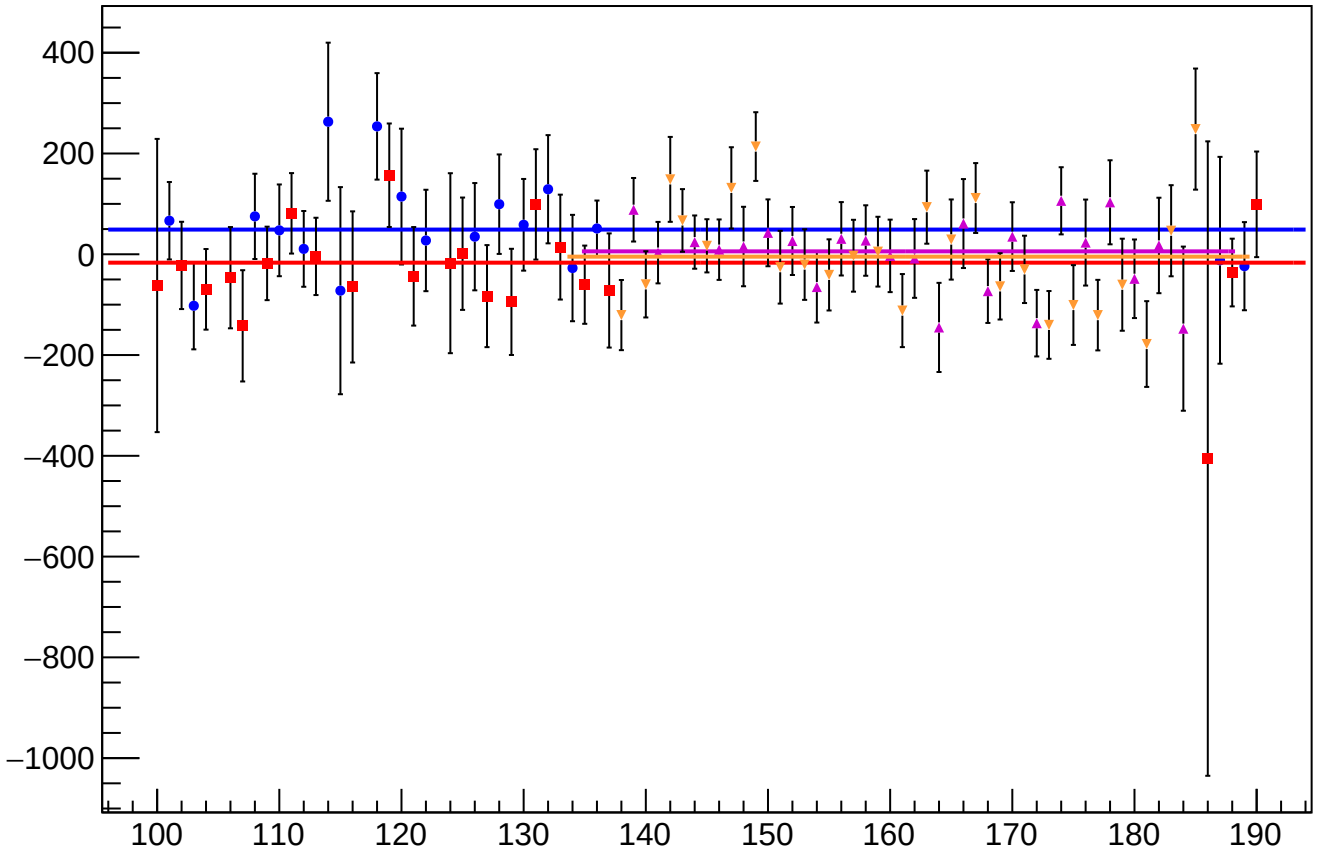
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 329.755+/-0.061 χ^2/NDF: 4672377.4/39

In: 351.118+/-0.050 χ^2/NDF:2525598.7/40

Out: 347.711+/-0.048 χ^2/NDF:3499352.7/46

All: 349.341+/-0.034 χ^2/NDF: 6027387.1/87



Right In: 48.997+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -16.687+/-20.965 χ^2/NDF: 10.9/21

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

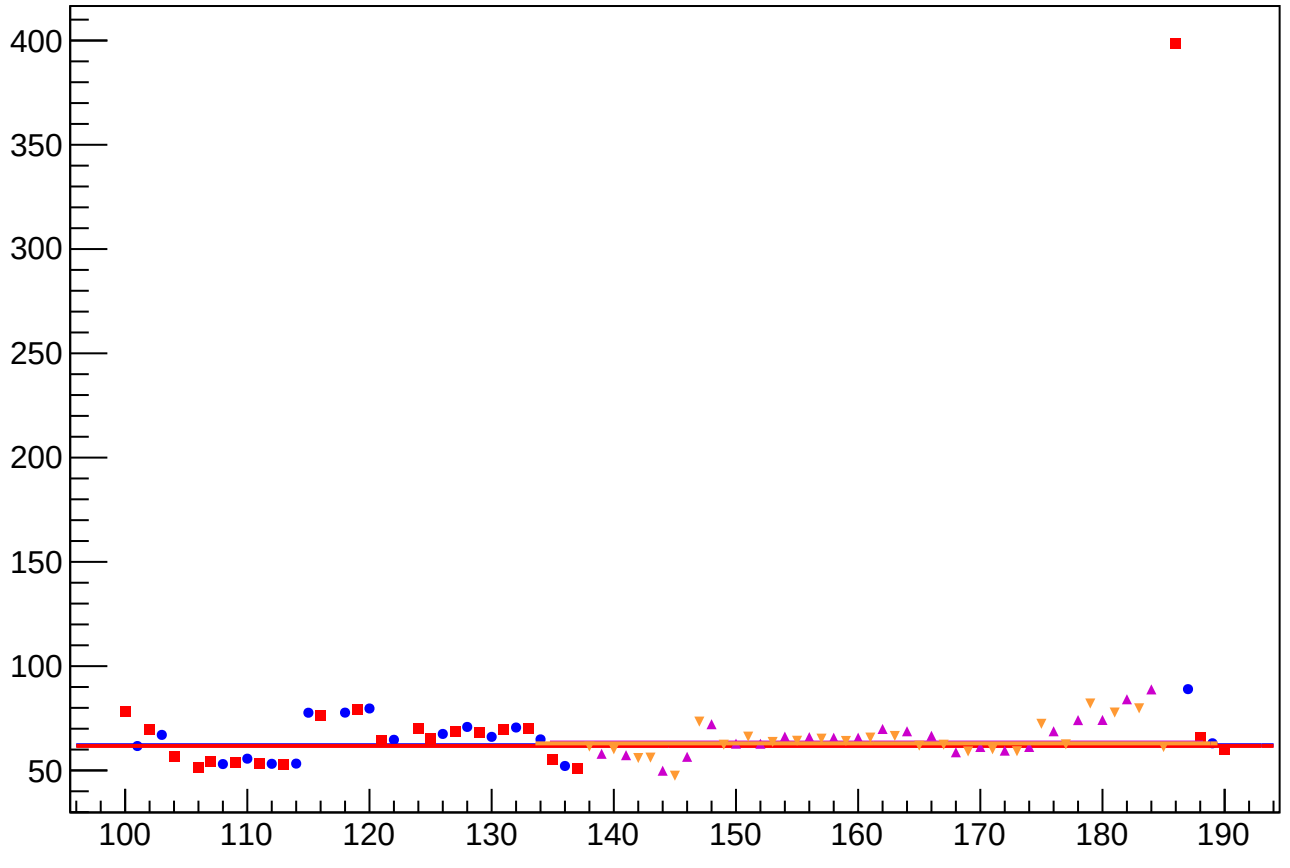
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 14.170+/-15.266 χ^2/NDF: 27.3/39

In: 19.176+/-12.402 χ^2/NDF:32.8/40

Out: -8.586+/-11.887 χ^2/NDF:58.4/46

All: 4.707+/-8.582 χ^2/NDF: 93.8/87



Right In: 62.082+/-0.016 χ^2/NDF: 302294.0/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.749+/-0.015 χ^2/NDF: 870171.1/21

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

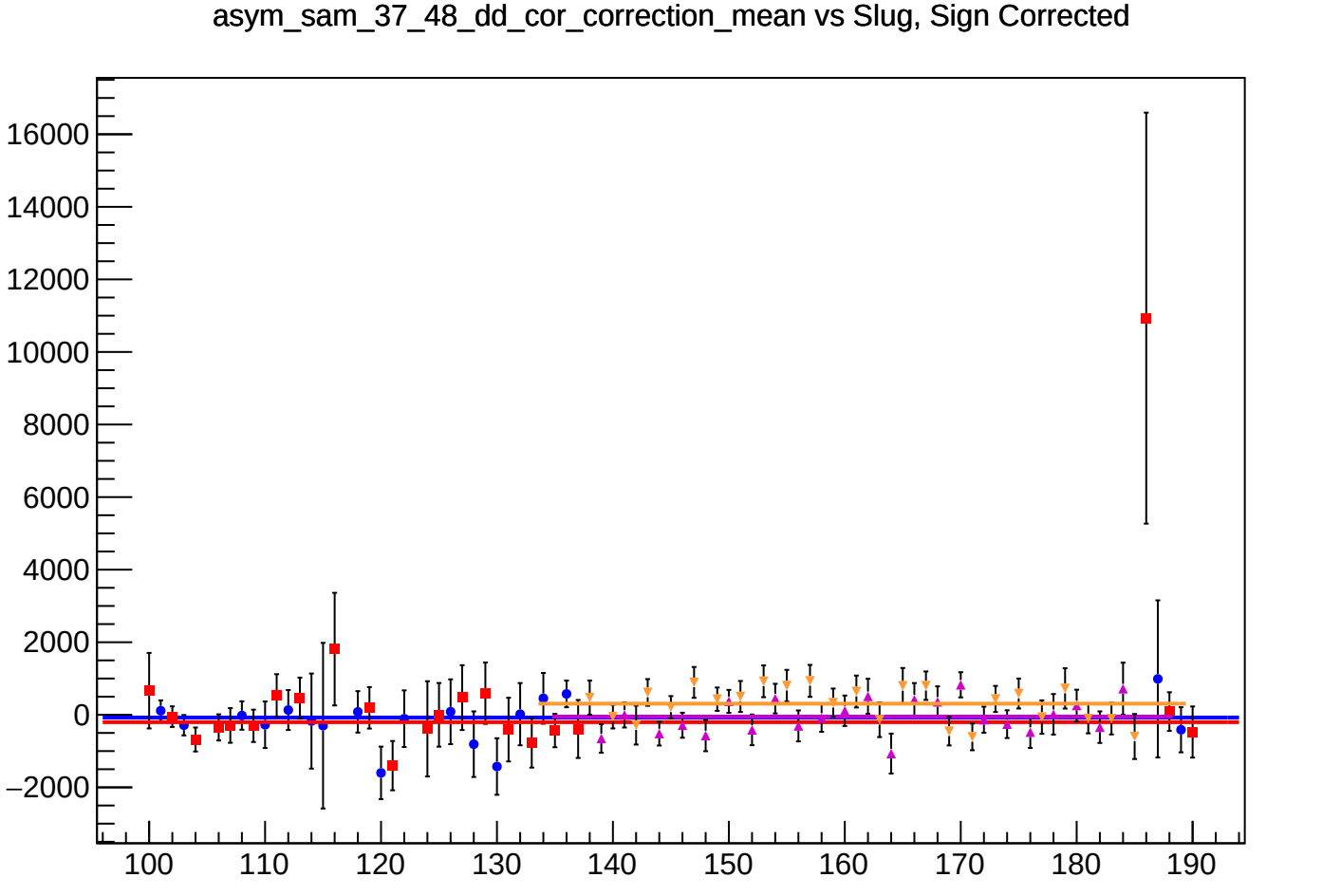
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.905+/-0.011 χ^2/NDF: 1172701.8/39

In: 62.967+/-0.009 χ^2/NDF:803804.7/40

Out: 62.582+/-0.008 χ^2/NDF:1401681.6/46

All: 62.766+/-0.006 χ^2/NDF: 2206494.7/87



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -203.340+/-118.568 χ^2/NDF: 18.4/21

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

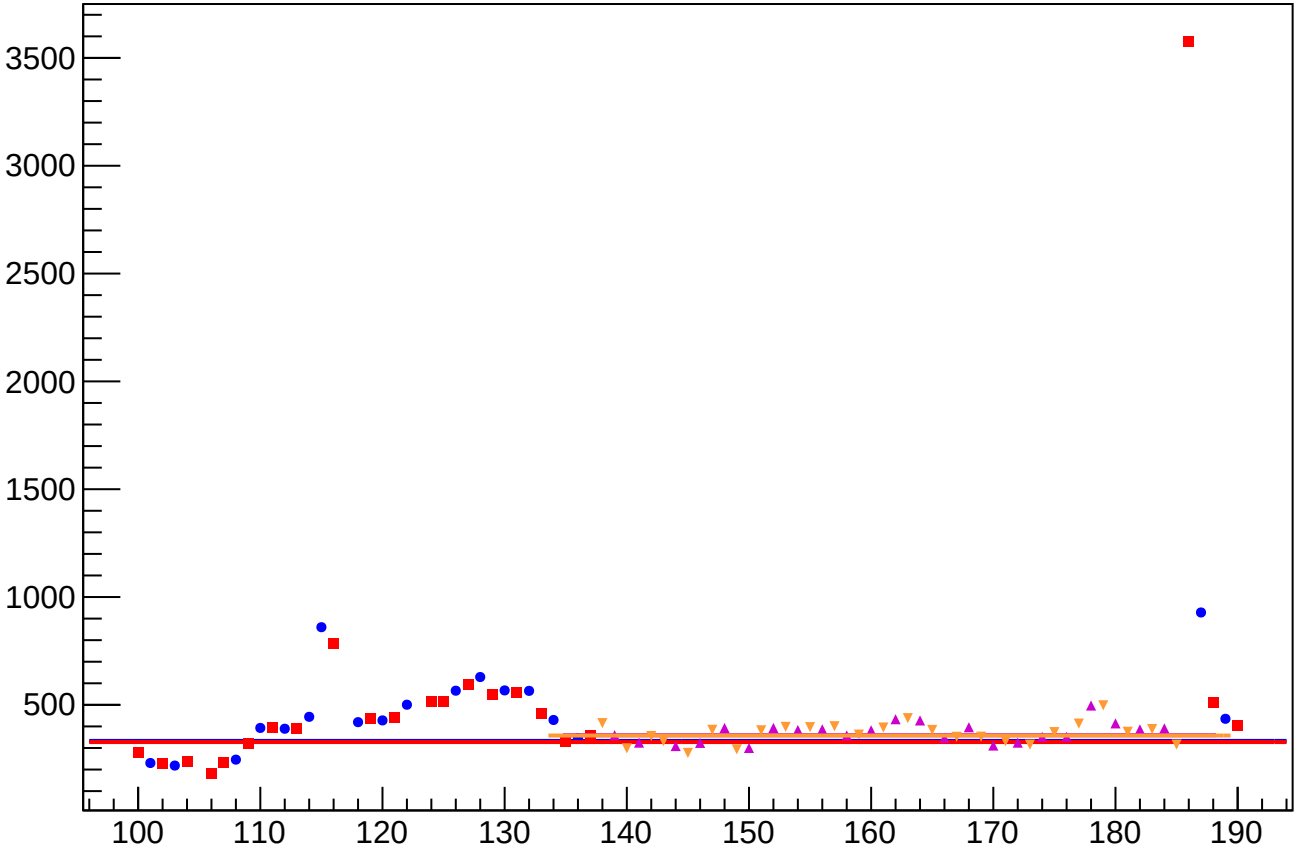
Right: -143.309+/-86.580 χ^2/NDF: 32.7/39

In: -57.675+/-70.498 χ^2/NDF:41.0/40

Out: 141.019+/-67.643 χ^2/NDF:61.6/46

All: 45.776+/-48.809 χ^2/NDF: 106.7/87

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 332.753+/-0.090 χ^2/NDF: 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 327.477+/-0.084 χ^2/NDF: 2742782.2/21

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

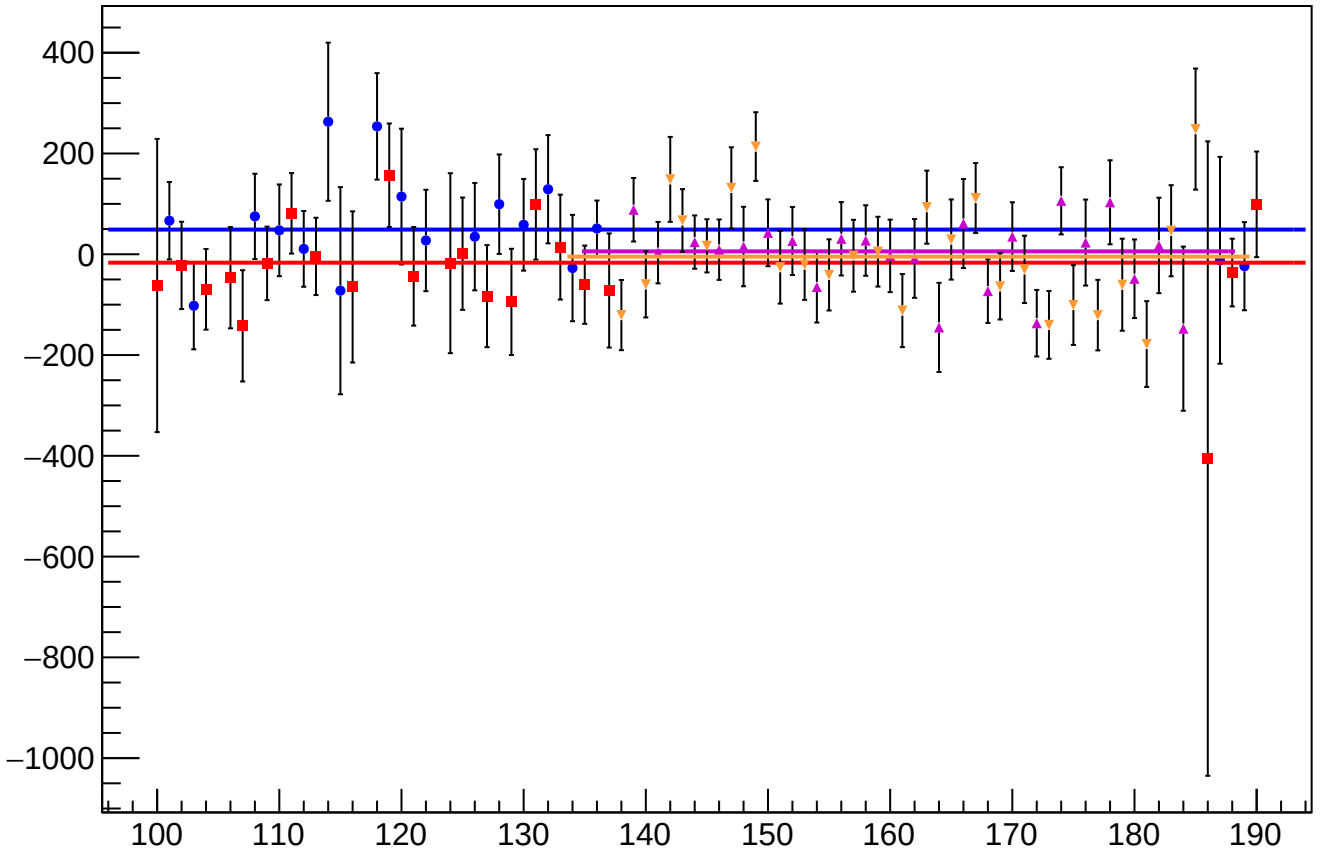
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 329.940+/-0.061 χ^2/NDF: 4689555.6/39

In: 351.119+/-0.050 χ^2/NDF:2525522.3/40

Out: 347.884+/-0.048 χ^2/NDF:3514348.2/46

All: 349.435+/-0.035 χ^2/NDF: 6042062.1/87



Right In: 48.997+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -16.687+/-20.965 χ^2/NDF: 10.9/21

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

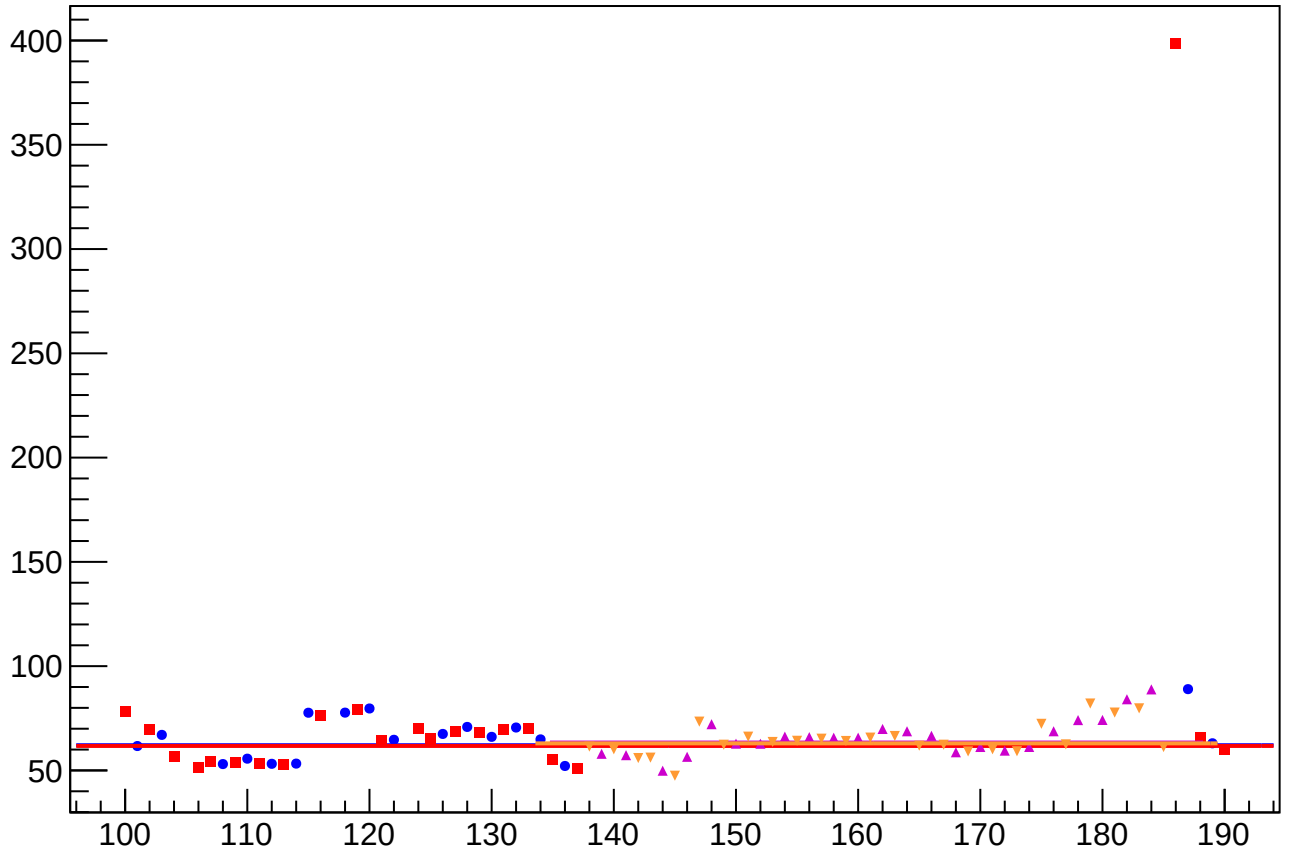
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 14.170+/-15.266 χ^2/NDF: 27.3/39

In: 19.176+/-12.402 χ^2/NDF:32.8/40

Out: -8.586+/-11.887 χ^2/NDF:58.4/46

All: 4.707+/-8.582 χ^2/NDF: 93.8/87



Right In: 62.082+/-0.016 χ^2/NDF: 302294.0/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.749+/-0.015 χ^2/NDF: 870171.1/21

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

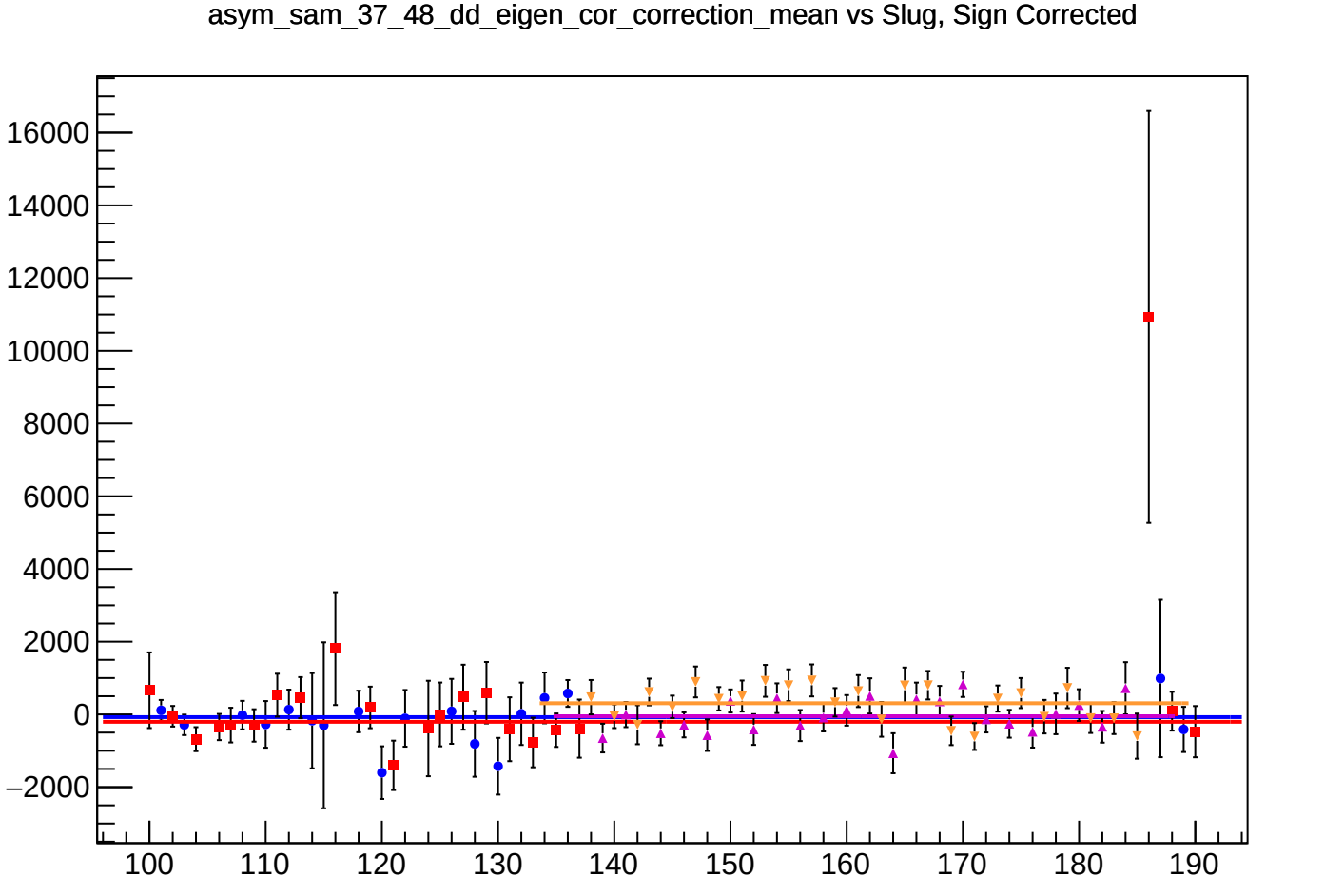
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.905+/-0.011 χ^2/NDF: 1172701.8/39

In: 62.967+/-0.009 χ^2/NDF:803804.7/40

Out: 62.582+/-0.008 χ^2/NDF:1401681.6/46

All: 62.766+/-0.006 χ^2/NDF: 2206494.7/87



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -203.340+/-118.568 χ^2/NDF: 18.4/21

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

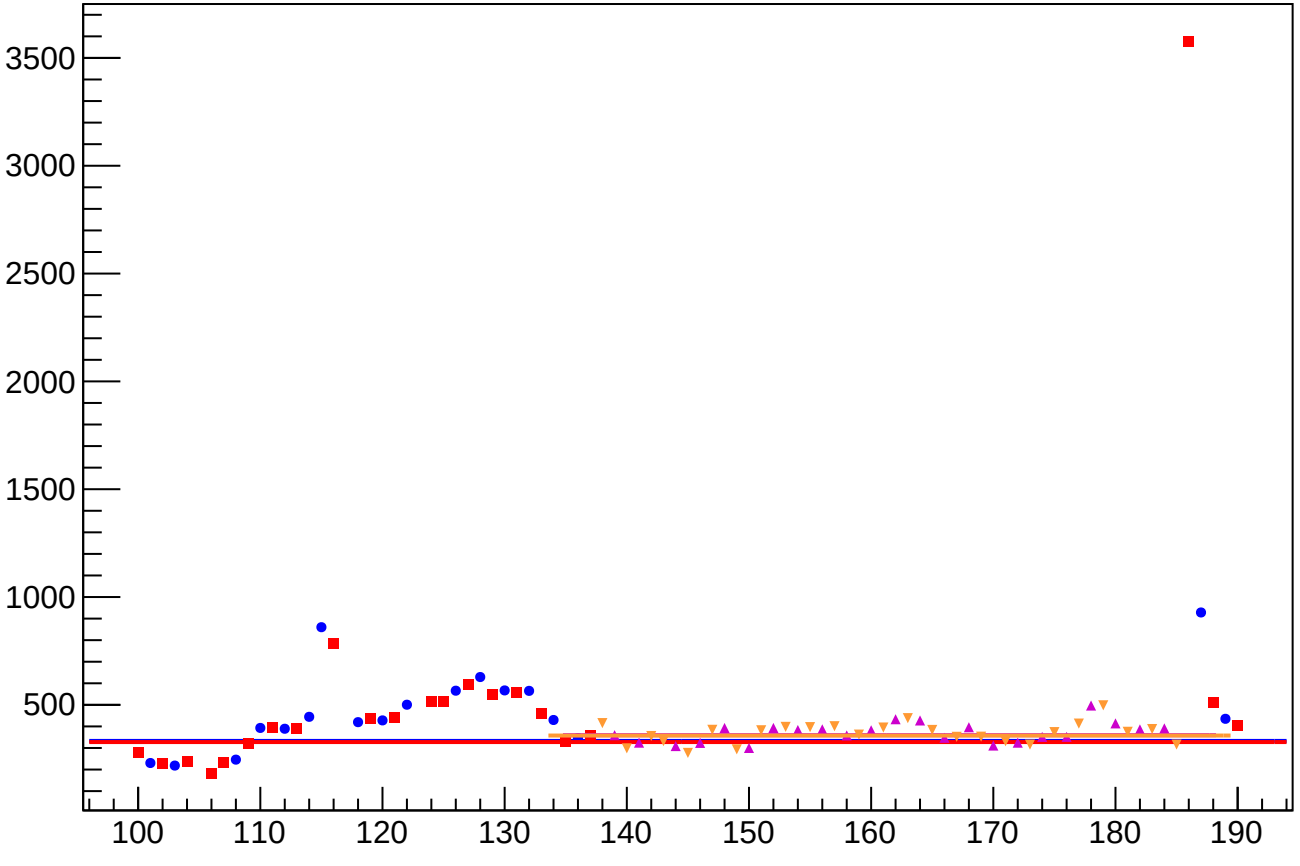
Right: -143.309+/-86.580 χ^2/NDF: 32.7/39

In: -57.675+/-70.498 χ^2/NDF:41.0/40

Out: 141.019+/-67.643 χ^2/NDF:61.6/46

All: 45.776+/-48.809 χ^2/NDF: 106.7/87

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 332.753+/-0.090 χ^2/NDF: 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 327.477+/-0.084 χ^2/NDF: 2742782.2/21

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

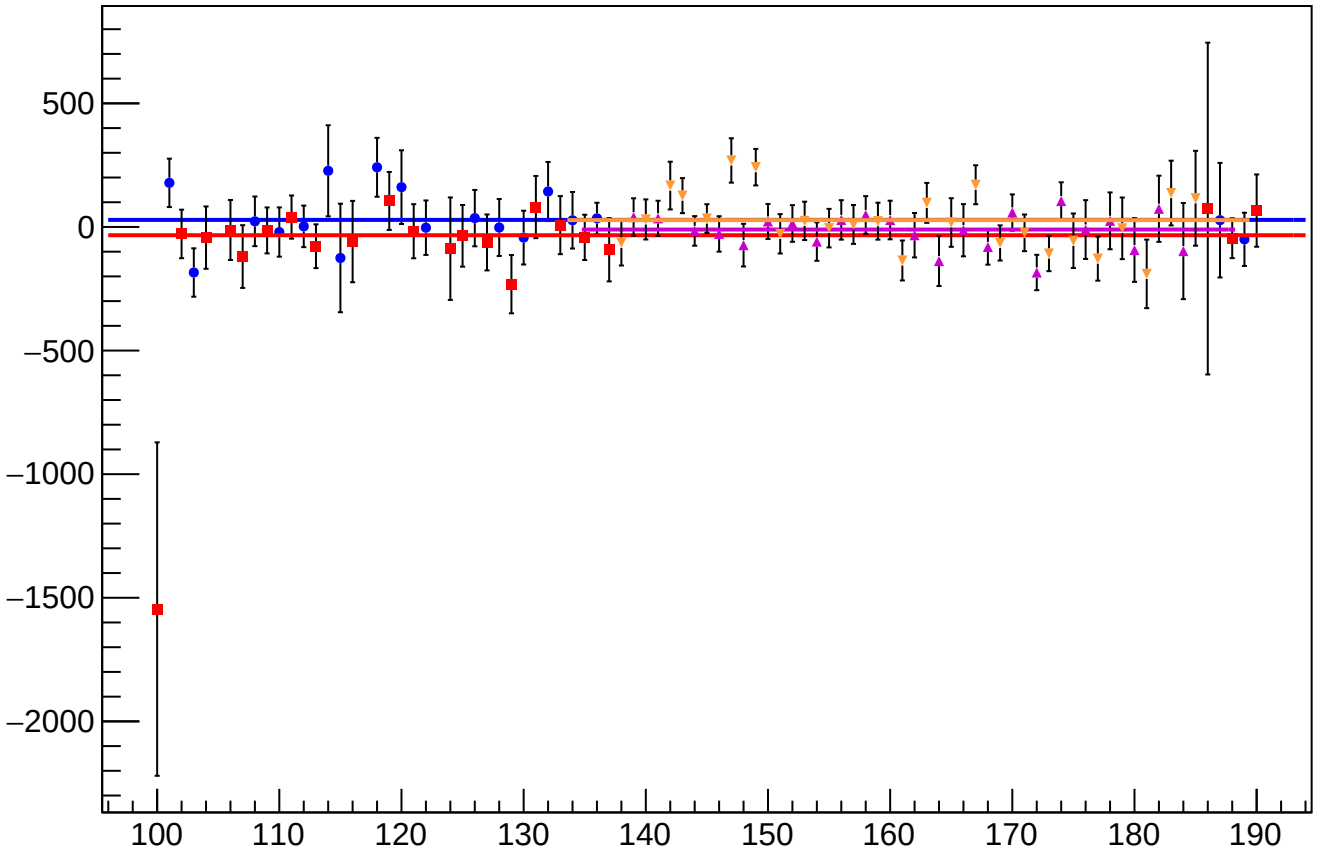
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 329.940+/-0.061 χ^2/NDF: 4689555.6/39

In: 351.119+/-0.050 χ^2/NDF:2525522.3/40

Out: 347.884+/-0.048 χ^2/NDF:3514348.2/46

All: 349.435+/-0.035 χ^2/NDF: 6042062.1/87



Right In: 28.642+/-25.498 χ^2/NDF: 15.1/17

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -33.439+/-24.819 χ^2/NDF: 12.6/21

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

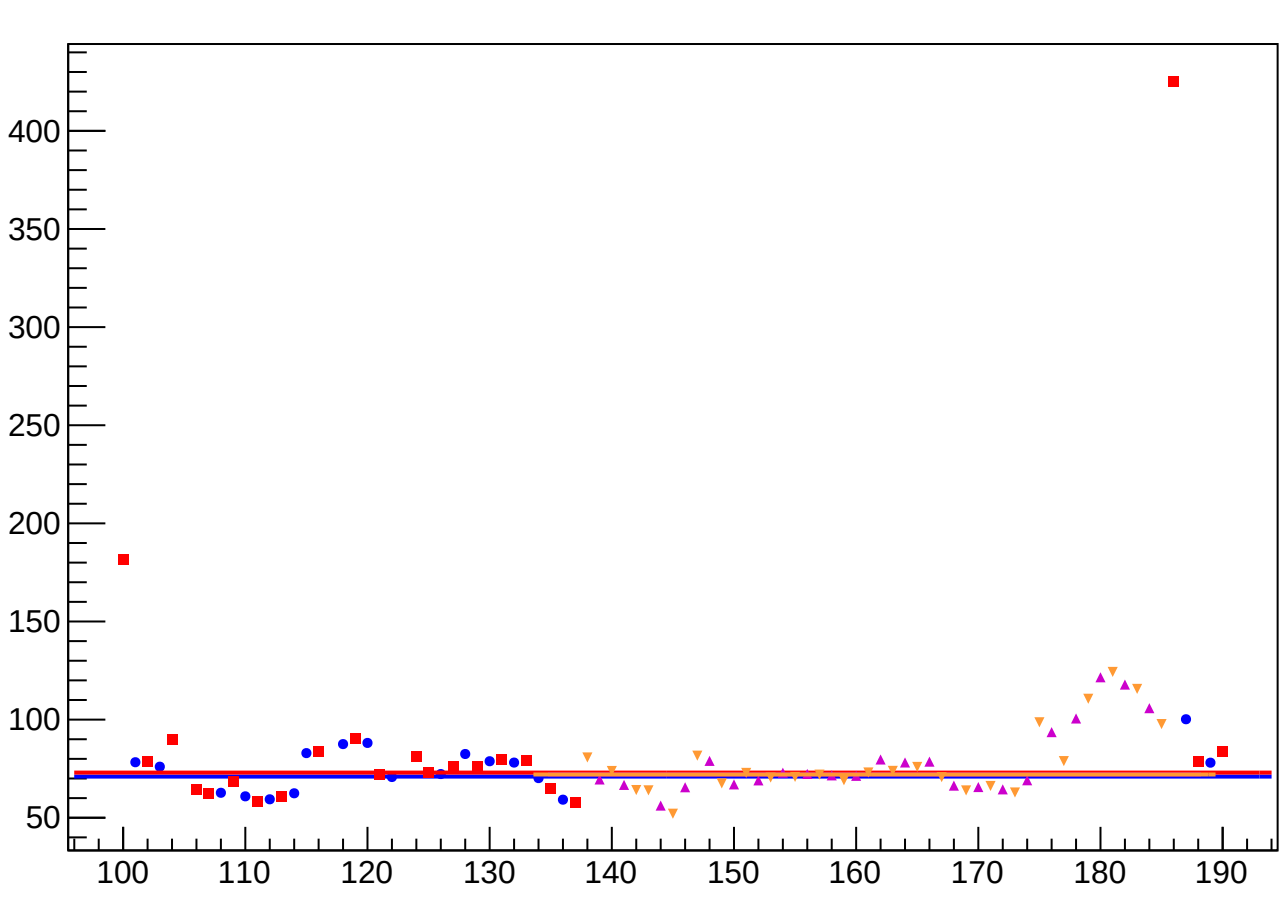
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -3.236+/-17.785 χ^2/NDF: 30.8/39

In: 1.751+/-14.273 χ^2/NDF:32.8/40

Out: 8.529+/-13.879 χ^2/NDF:59.1/46

All: 5.235+/-9.951 χ^2/NDF: 92.0/87



Right In: 70.974+/-0.018 χ^2/NDF: 311587.4/17

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 73.009+/-0.018 χ^2/NDF: 903501.0/21

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

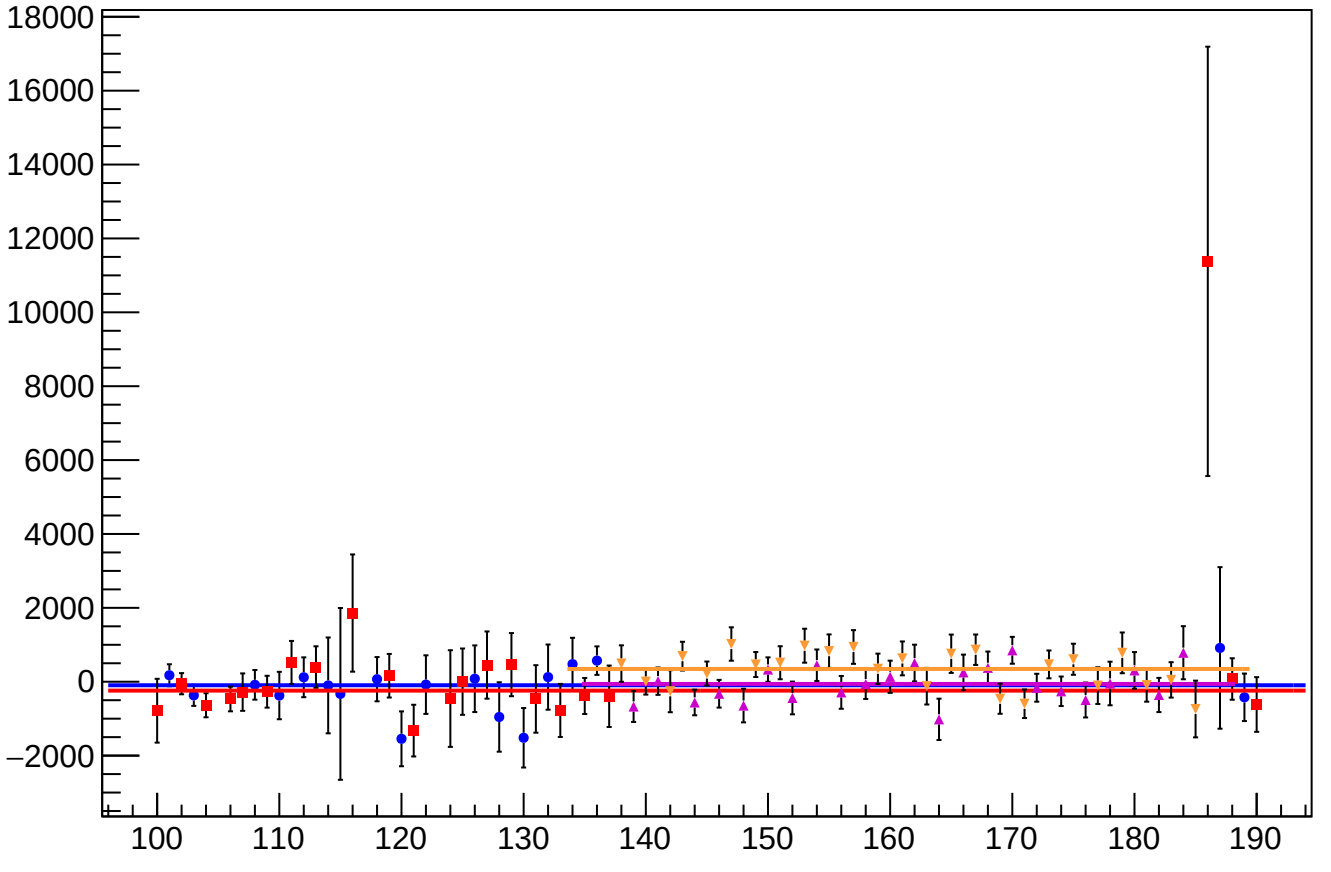
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 72.019+/-0.013 χ^2/NDF: 1221634.9/39

In: 71.742+/-0.010 χ^2/NDF:1373087.1/40

Out: 72.344+/-0.010 χ^2/NDF:2175066.8/46

All: 72.051+/-0.007 χ^2/NDF: 3549982.5/87



Right In: -95.392+/-129.897 χ^2/NDF: 14.2/17

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -240.463+/-118.843 χ^2/NDF: 17.1/21

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

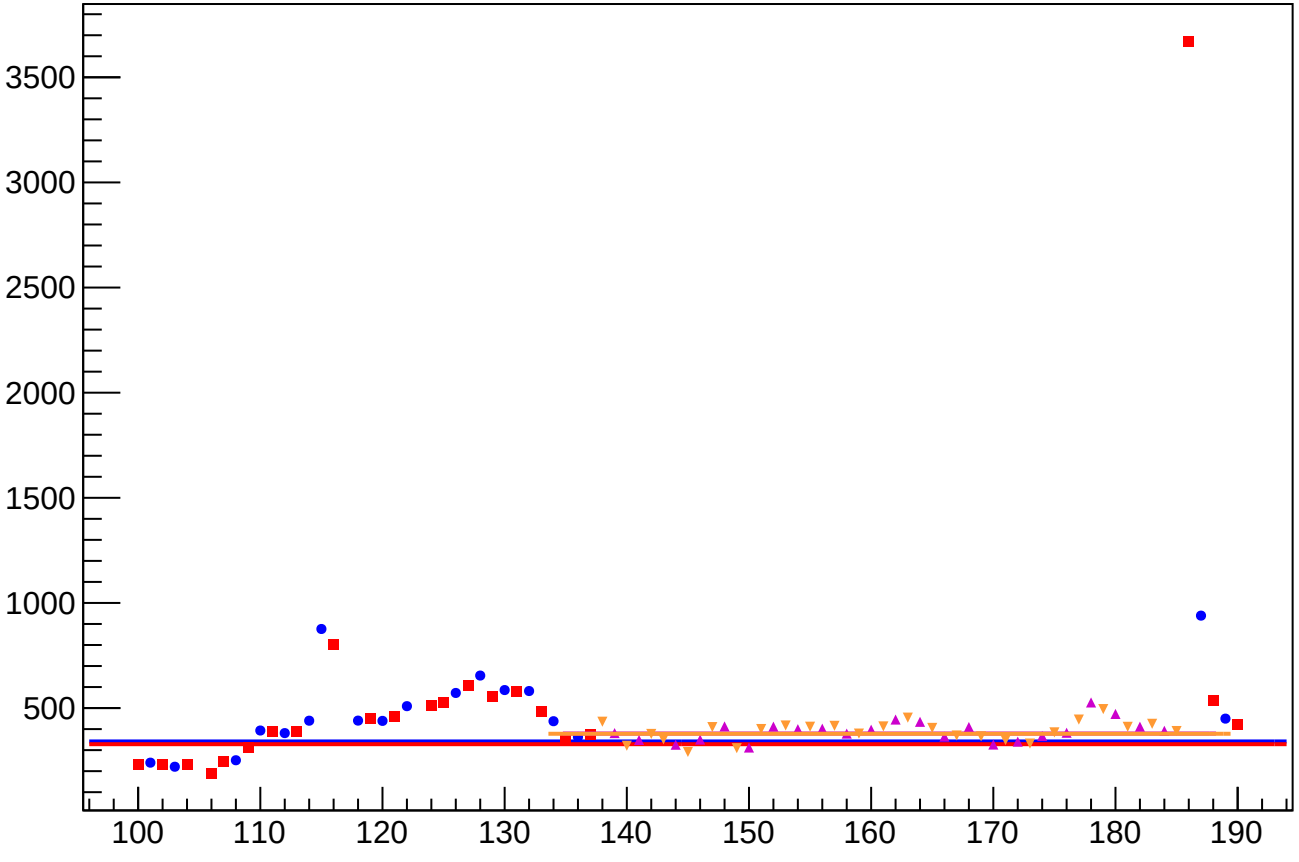
Right: -174.362+/-87.683 χ^2/NDF: 31.9/39

In: -71.315+/-73.650 χ^2/NDF:40.1/40

Out: 141.899+/-70.107 χ^2/NDF:61.9/46

All: 40.545+/-50.779 χ^2/NDF: 106.3/87

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 341.276+/-0.092 χ^2/NDF: 1942656.6/17

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 328.239+/-0.084 χ^2/NDF: 2904686.8/21

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

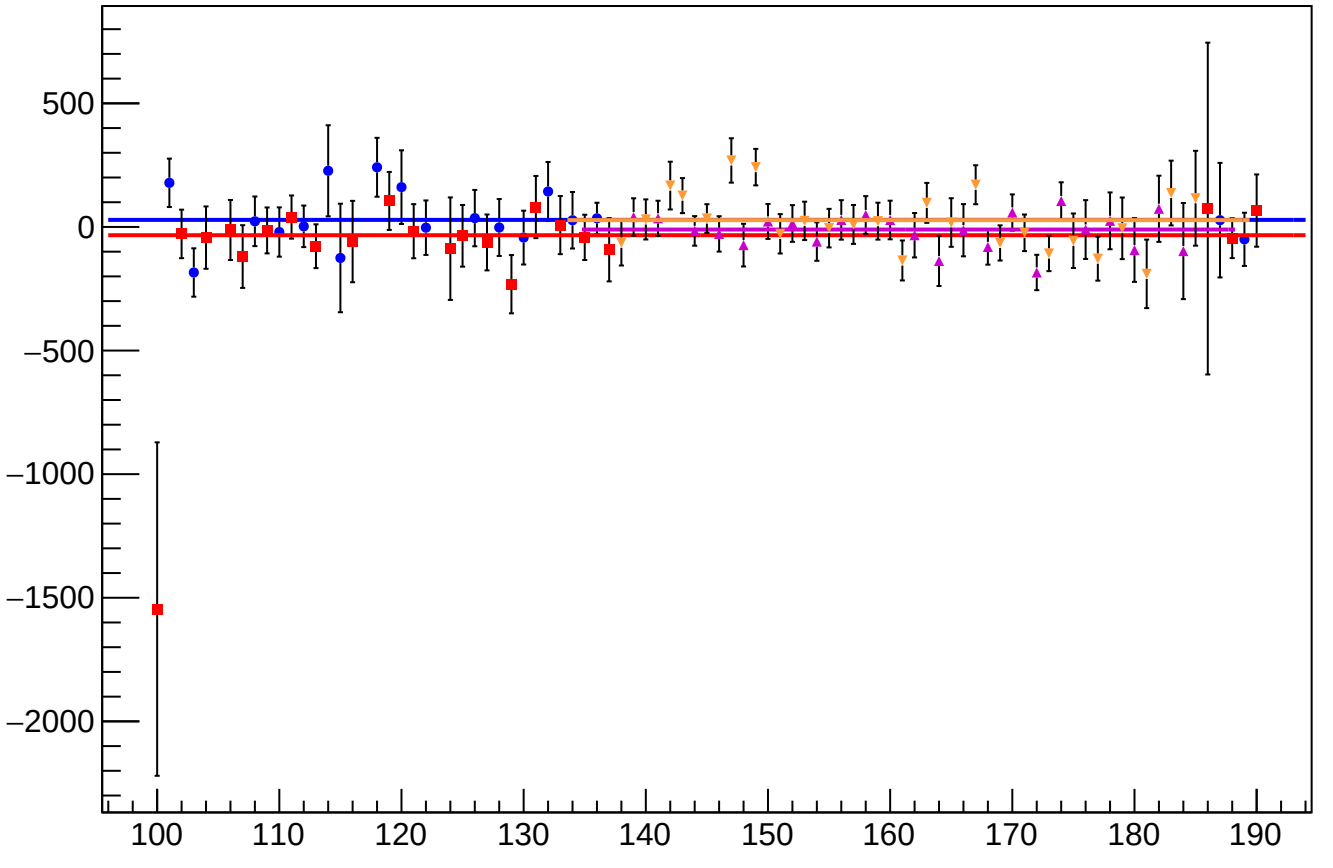
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 334.179+/-0.062 χ^2/NDF: 4858310.2/39

In: 366.784+/-0.052 χ^2/NDF:2584003.0/40

Out: 360.551+/-0.050 χ^2/NDF:3768157.9/46

All: 363.514+/-0.036 χ^2/NDF: 6359675.7/87



Right In: 28.641+/-25.498 χ^2/NDF: 15.1/17

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -33.440+/-24.819 χ^2/NDF: 12.6/21

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

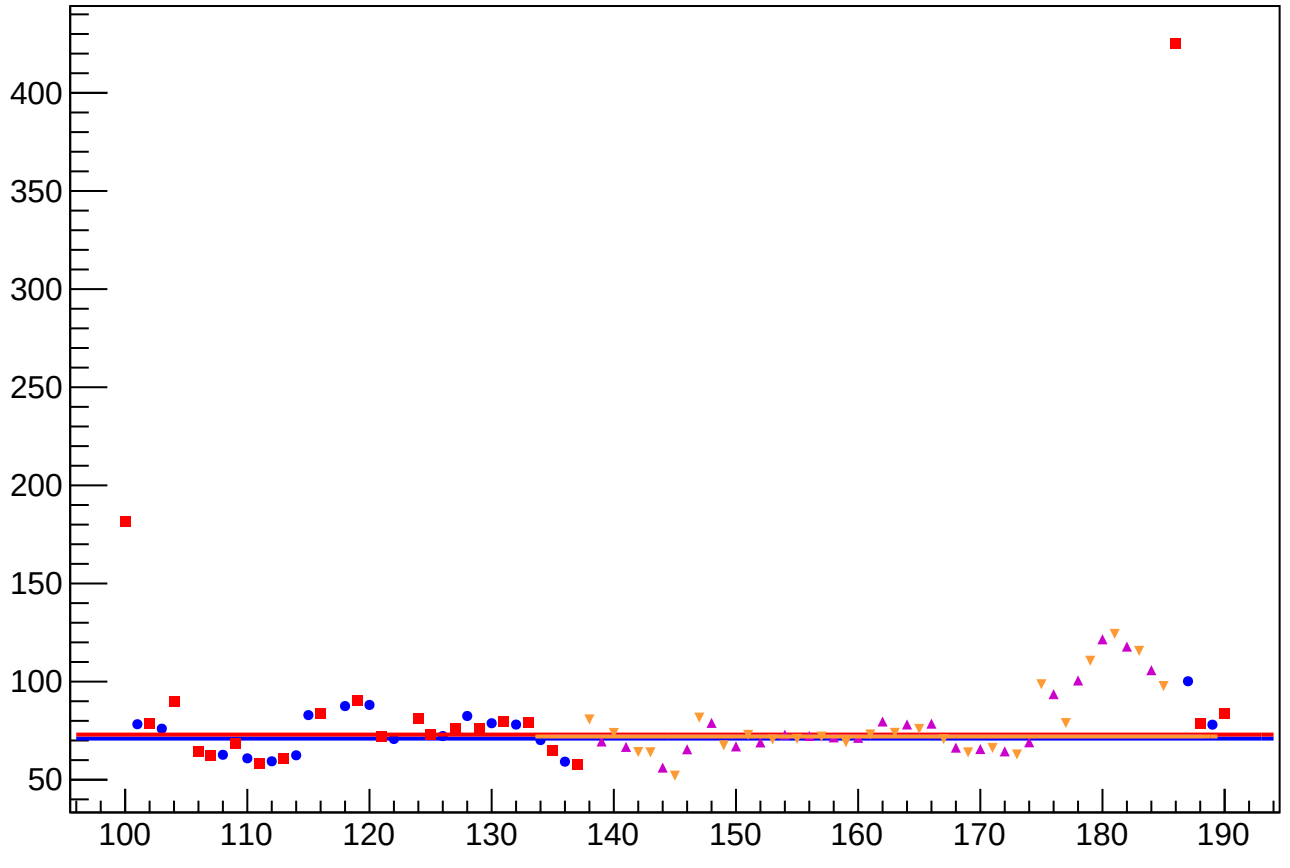
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -3.237+/-17.785 χ^2/NDF: 30.8/39

In: 1.751+/-14.273 χ^2/NDF:32.8/40

Out: 8.528+/-13.879 χ^2/NDF:59.1/46

All: 5.234+/-9.951 χ^2/NDF: 92.0/87



Right In: 70.974+/-0.018 χ^2/NDF: 311588.3/17

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 73.009+/-0.018 χ^2/NDF: 903500.5/21

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

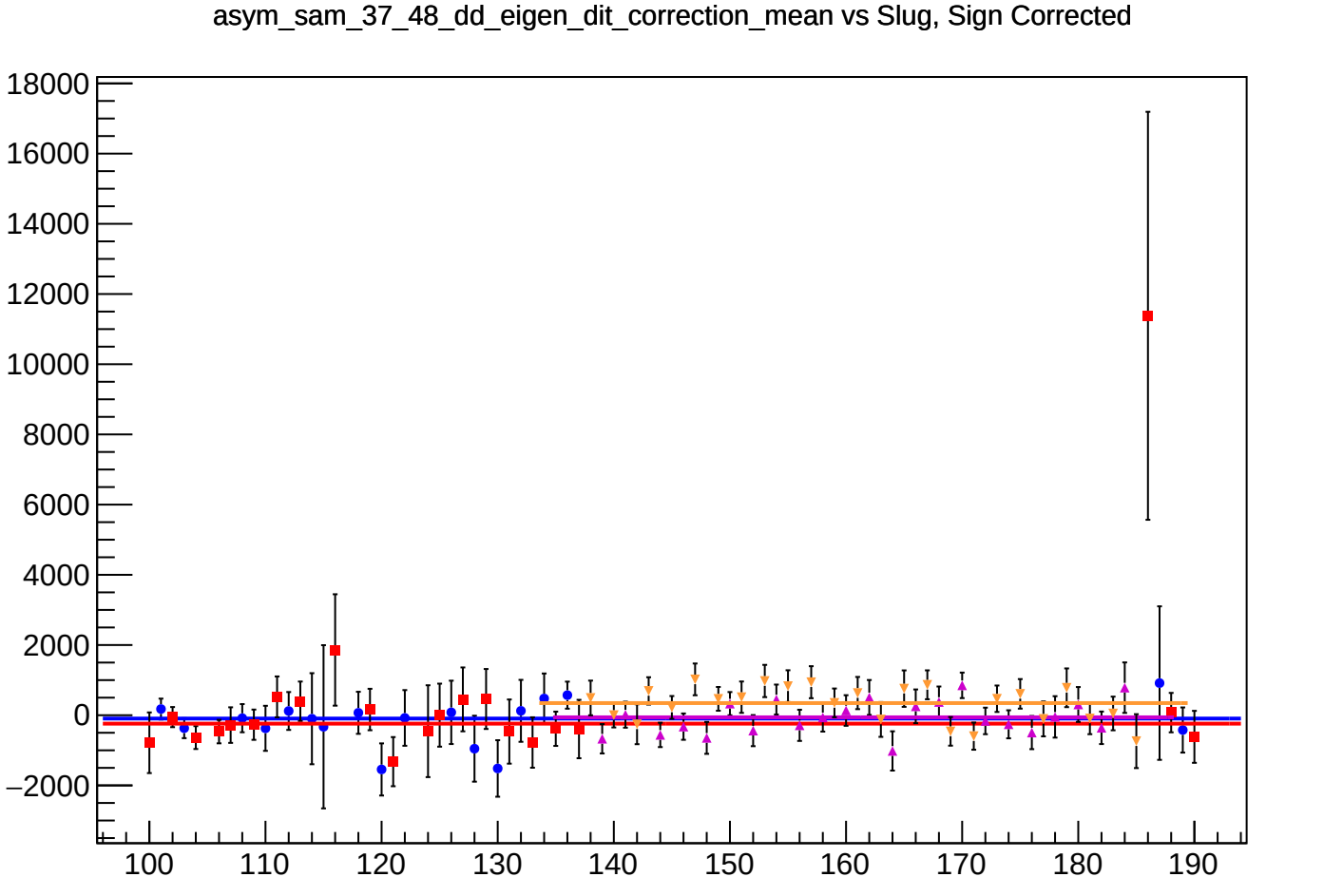
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 72.019+/-0.013 χ^2/NDF: 1221634.7/39

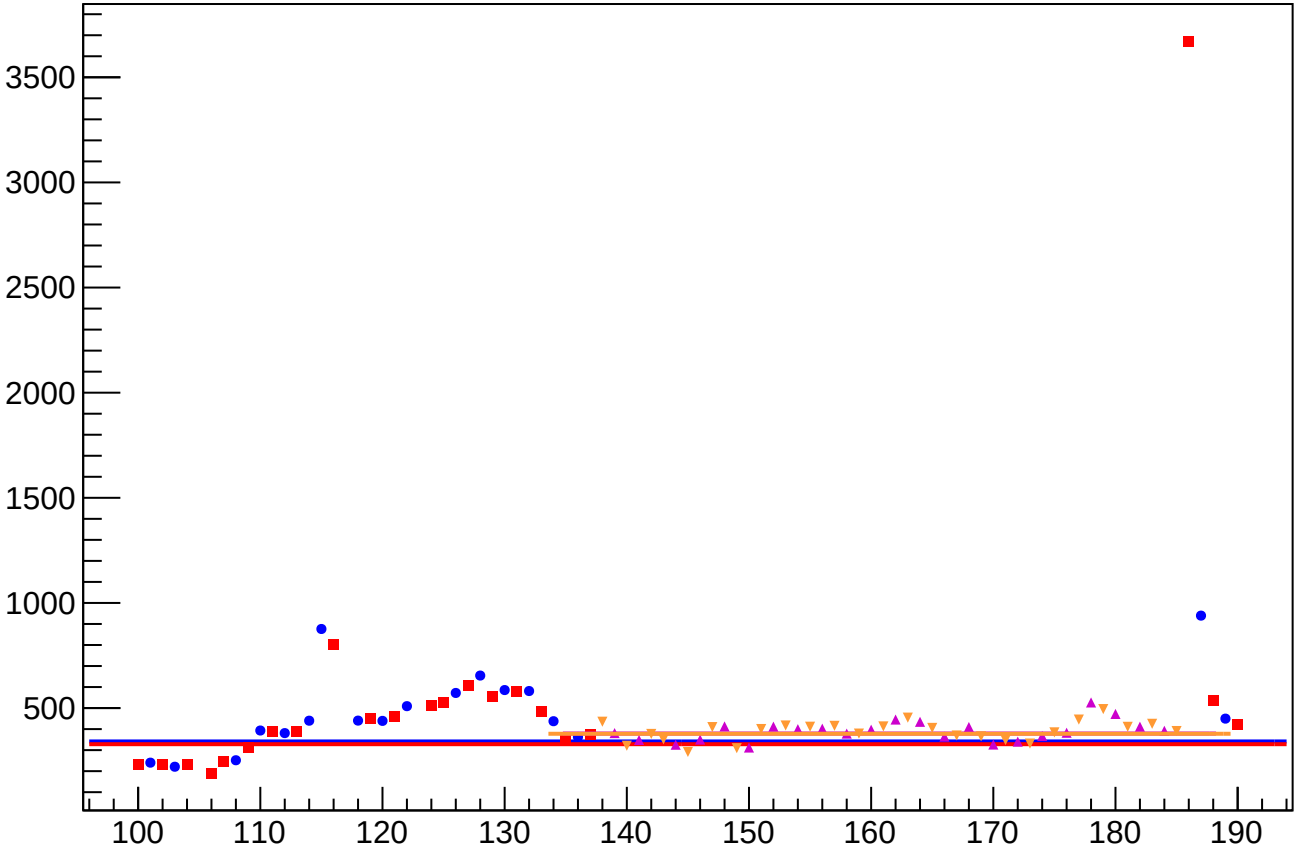
In: 71.742+/-0.010 χ^2/NDF:1373077.5/40

Out: 72.344+/-0.010 χ^2/NDF:2175073.9/46

All: 72.051+/-0.007 χ^2/NDF: 3549979.8/87


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: -95.393+/-129.897 χ²/NDF: 14.2/17
Left Out: 345.972+/-86.822 χ²/NDF:28.9/24
Right Out: -240.463+/-118.843 χ²/NDF: 17.1/21
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 148.994+/-62.288 χ²/NDF: 65.4/47
Right: -174.362+/-87.683 χ²/NDF: 31.9/39
In: -71.315+/-73.650 χ²/NDF:40.1/40
Out: 141.898+/-70.106 χ²/NDF:61.9/46
All: 40.544+/-50.779 χ²/NDF: 106.3/87

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 341.276+/-0.092 χ^2/NDF: 1942653.0/17

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 328.239+/-0.084 χ^2/NDF: 2904679.1/21

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

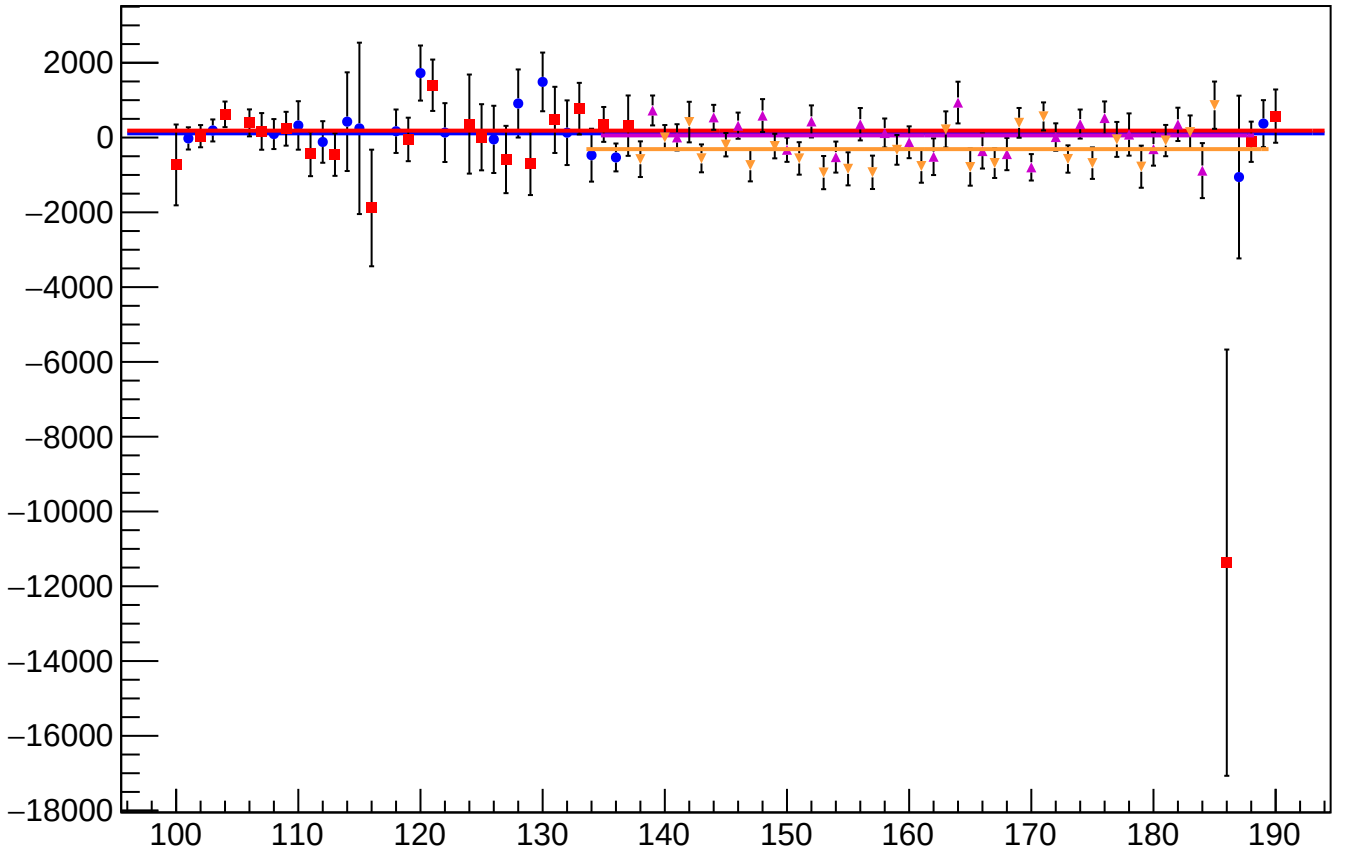
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 334.179+/-0.062 χ^2/NDF: 4858299.2/39

In: 366.784+/-0.052 χ^2/NDF:2583992.7/40

Out: 360.551+/-0.050 χ^2/NDF:3768147.8/46

All: 363.514+/-0.036 χ^2/NDF: 6359655.6/87



Right In: 112.670+/-129.926 χ^2/NDF: 13.4/17

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 184.916+/-121.054 χ^2/NDF: 17.9/21

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

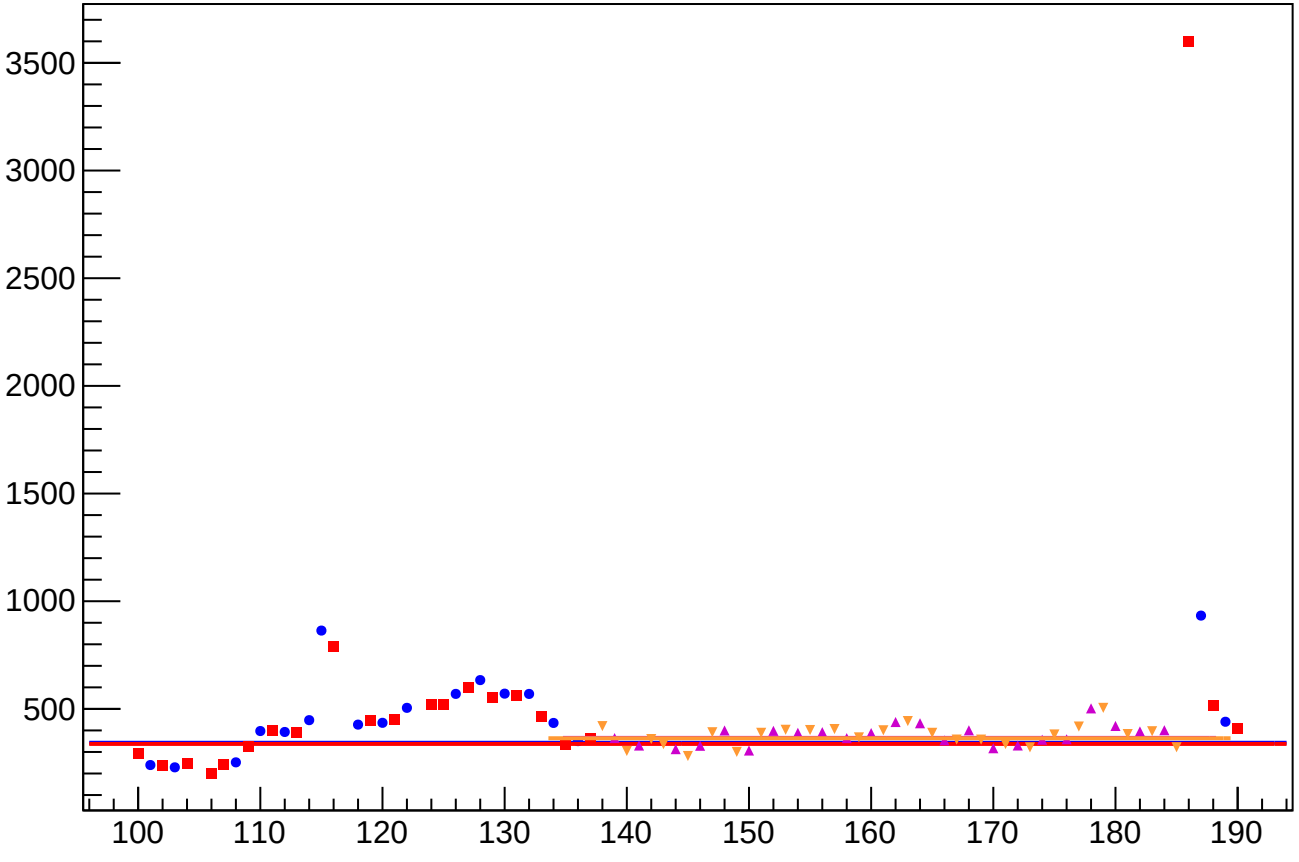
Right: 151.344+/-88.569 χ^2/NDF: 31.4/39

In: 74.399+/-71.843 χ^2/NDF:41.5/40

Out: -149.456+/-68.849 χ^2/NDF:59.1/46

All: -42.290+/-49.708 χ^2/NDF: 105.7/87

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 342.679+/-0.092 χ^2/NDF: 1819482.5/17

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 337.416+/-0.086 χ^2/NDF: 2578206.9/21

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

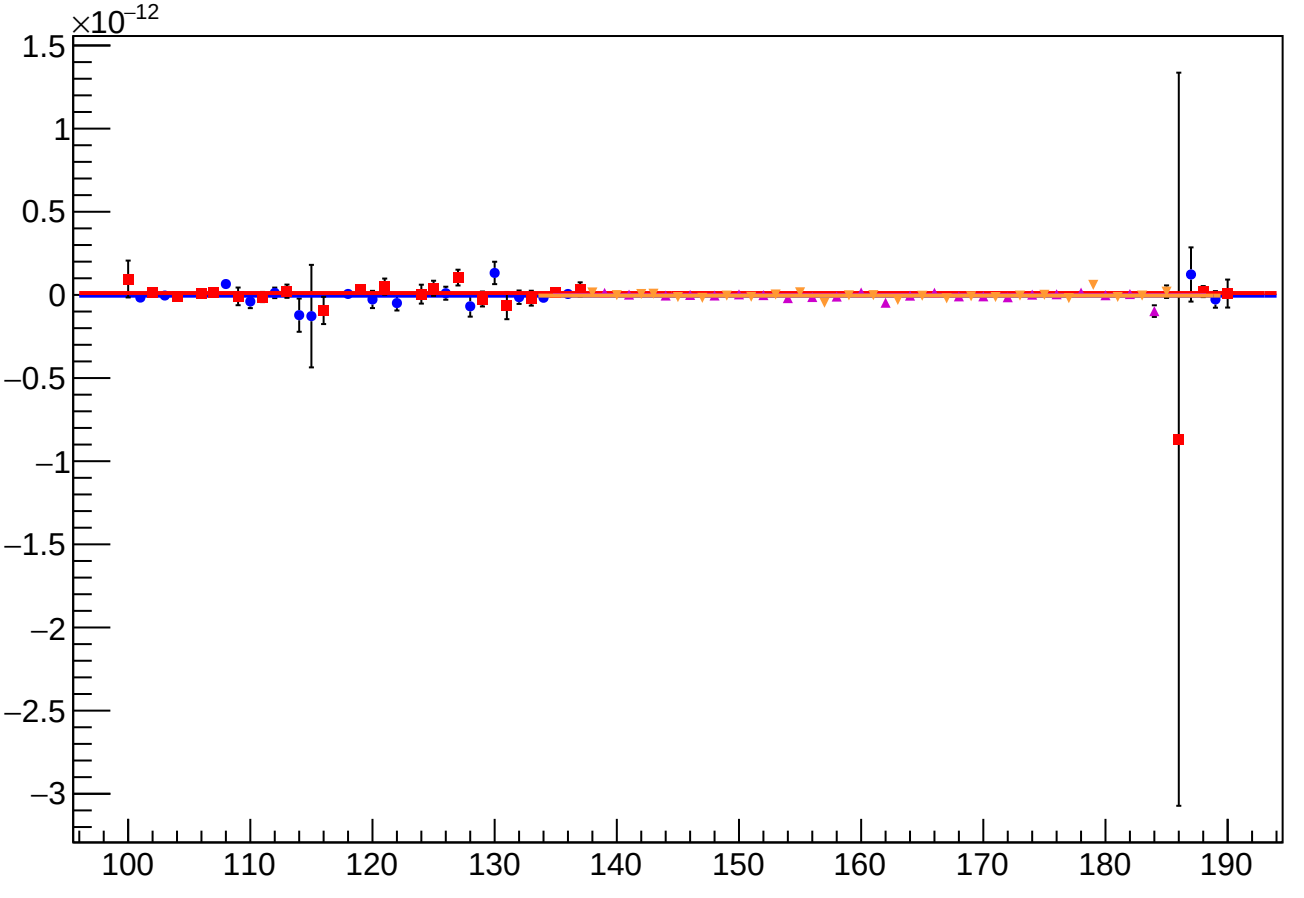
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 339.861+/-0.063 χ^2/NDF: 4399446.3/39

In: 358.400+/-0.051 χ^2/NDF:2371158.0/40

Out: 355.207+/-0.049 χ^2/NDF:3311309.5/46

All: 356.736+/-0.035 χ^2/NDF: 5684526.4/87



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/21

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

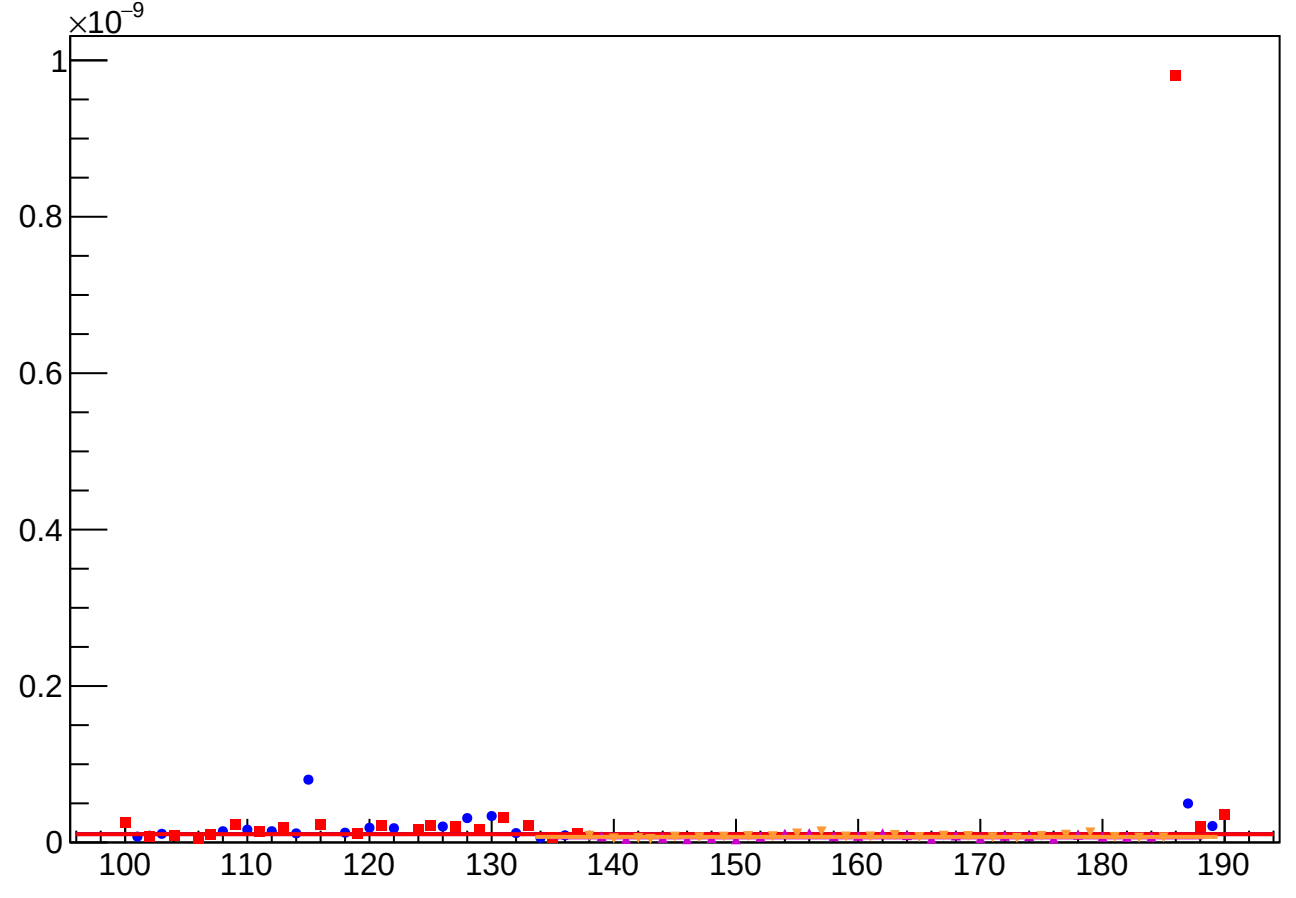
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 33.1/39

In: -0.000+/-0.000 χ^2/NDF:39.3/40

Out: -0.000+/-0.000 χ^2/NDF:39.7/46

All: -0.000+/-0.000 χ^2/NDF: 79.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 1386461.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2192028.0/21

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

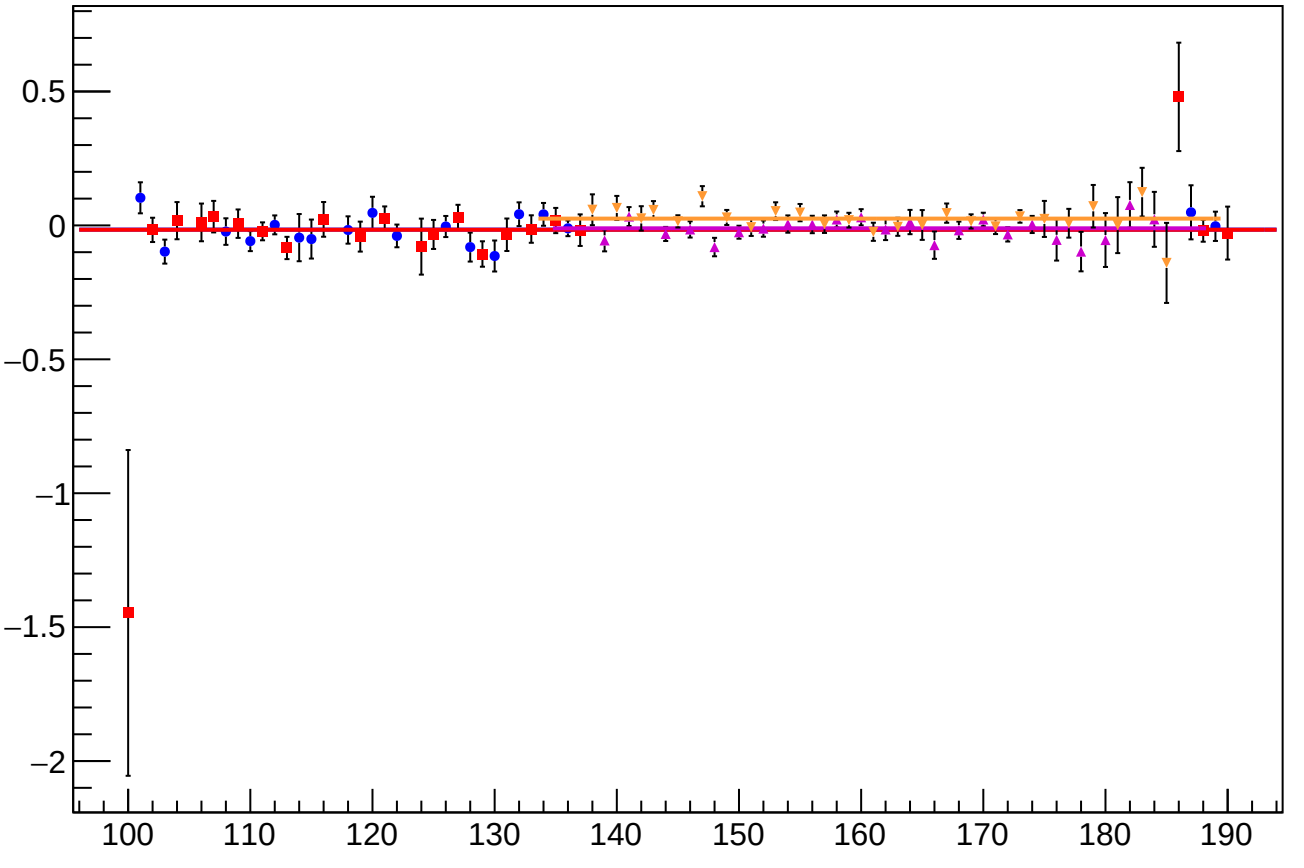
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3578830.6/39

In: 0.000+/-0.000 χ^2/NDF:3352133.9/40

Out: 0.000+/-0.000 χ^2/NDF:3576597.2/46

All: 0.000+/-0.000 χ^2/NDF: 6982891.7/87



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/21

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

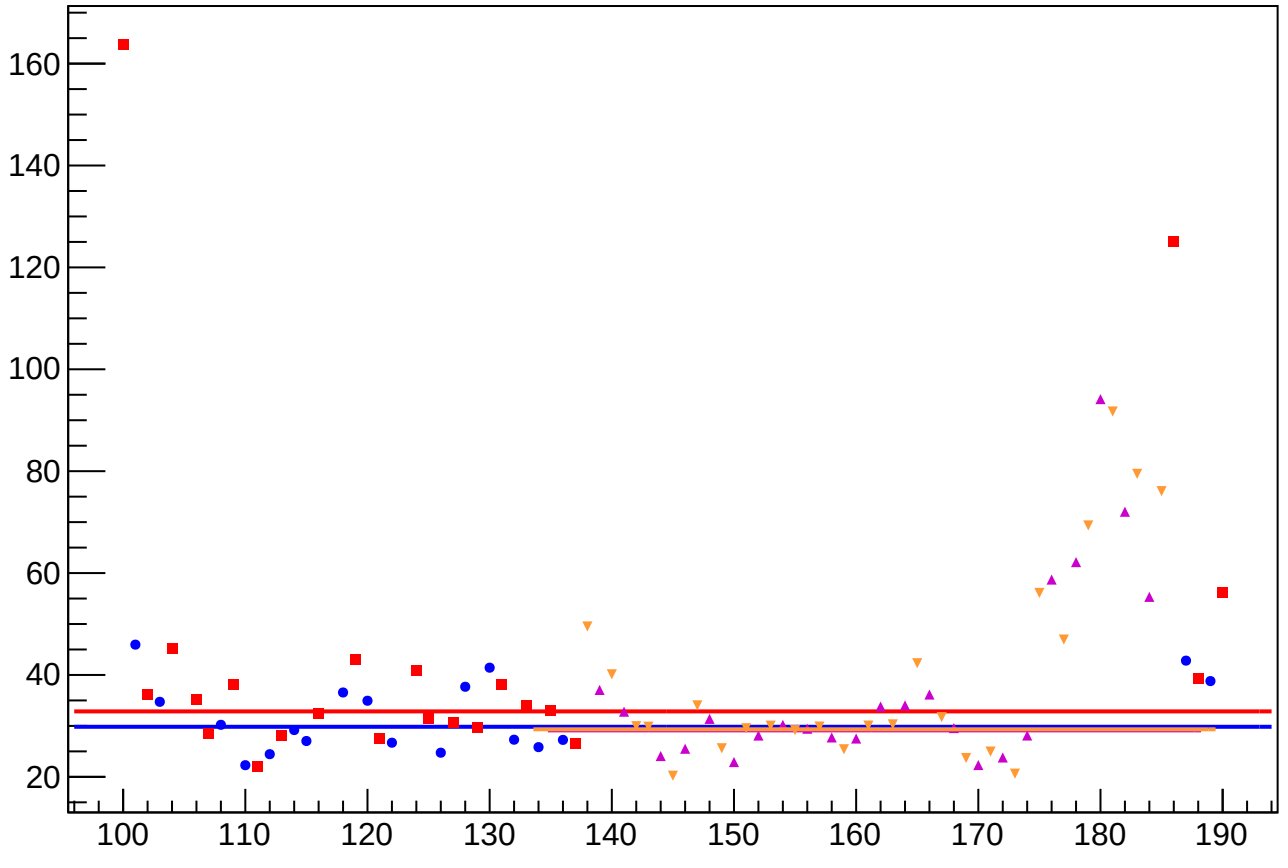
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.2/39

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.7/46

All: 0.001+/-0.004 χ^2/NDF: 97.3/87



Right In: 29.828+/-0.008 χ^2/NDF: 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 32.850+/-0.008 χ^2/NDF: 1166990.0/21

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

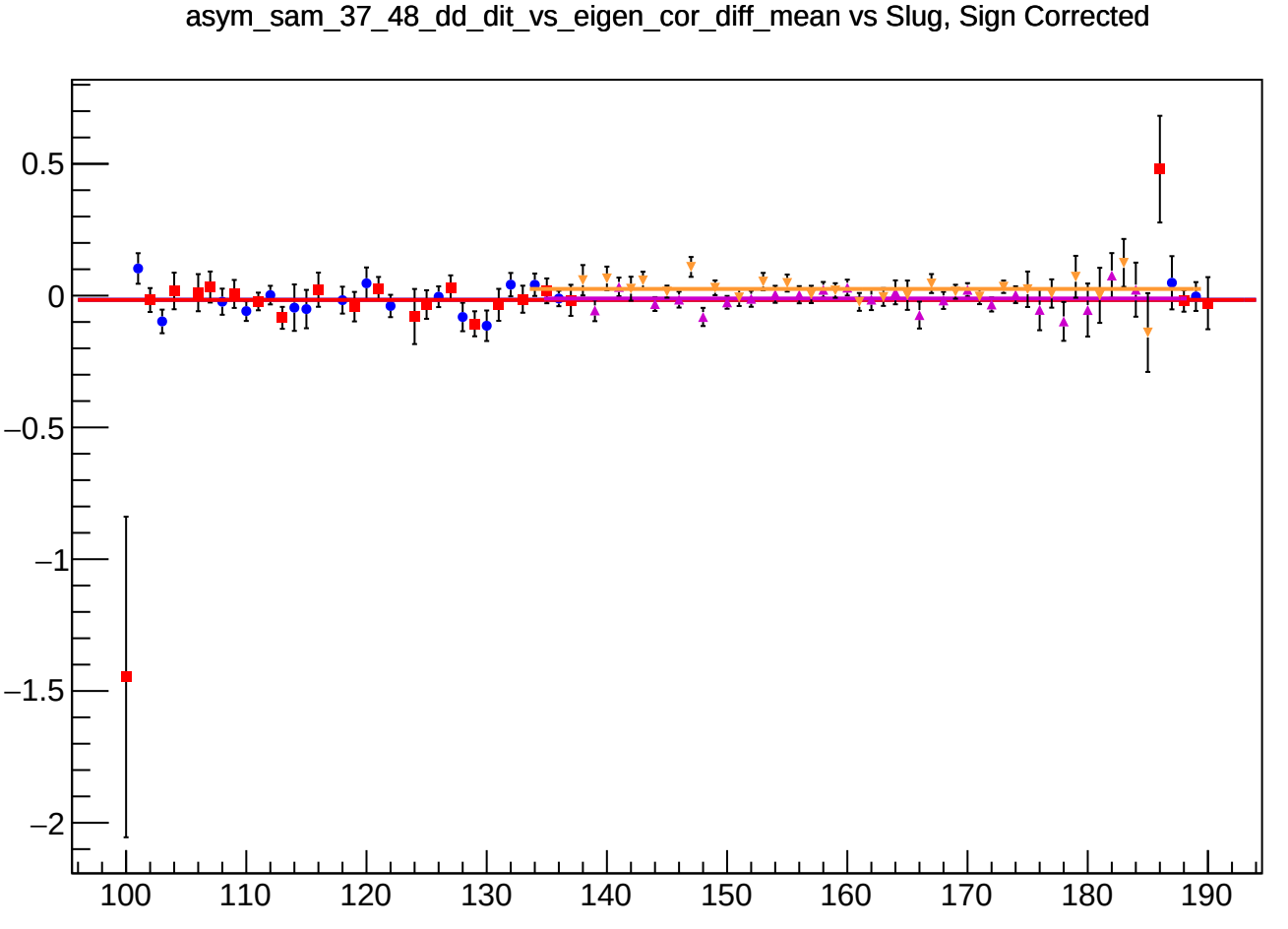
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 31.277+/-0.006 χ^2/NDF: 1891014.8/39

In: 29.338+/-0.004 χ^2/NDF:3497018.8/40

Out: 30.319+/-0.004 χ^2/NDF:5176108.4/46

All: 29.829+/-0.003 χ^2/NDF: 8699079.1/87



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/21

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

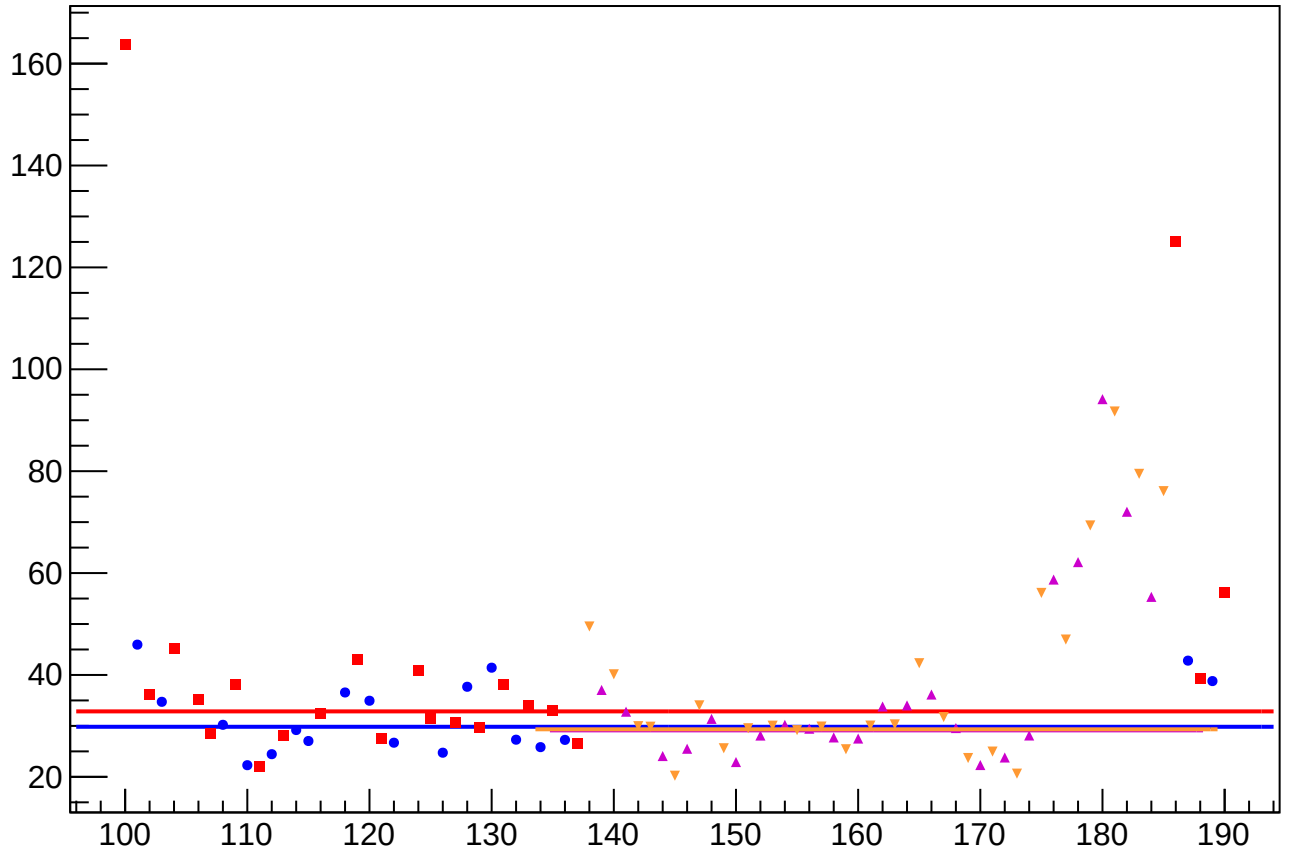
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.2/39

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.7/46

All: 0.001+/-0.004 χ^2/NDF: 97.3/87



Right In: 29.828+/-0.008 χ^2/NDF: 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 32.850+/-0.008 χ^2/NDF: 1166990.0/21

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

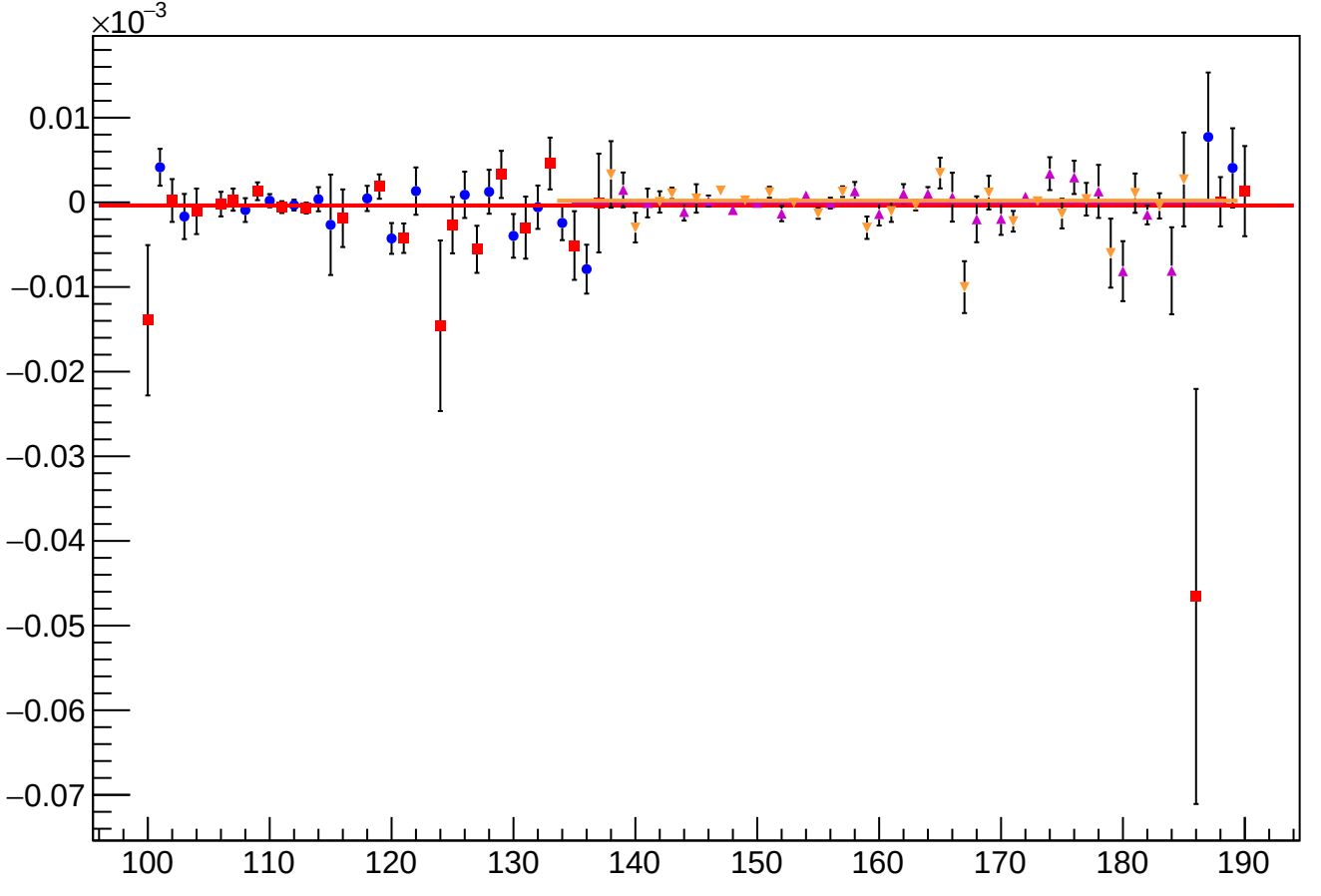
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 31.277+/-0.006 χ^2/NDF: 1891014.8/39

In: 29.338+/-0.004 χ^2/NDF:3497018.8/40

Out: 30.319+/-0.004 χ^2/NDF:5176108.4/46

All: 29.829+/-0.003 χ^2/NDF: 8699079.1/87



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/21

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

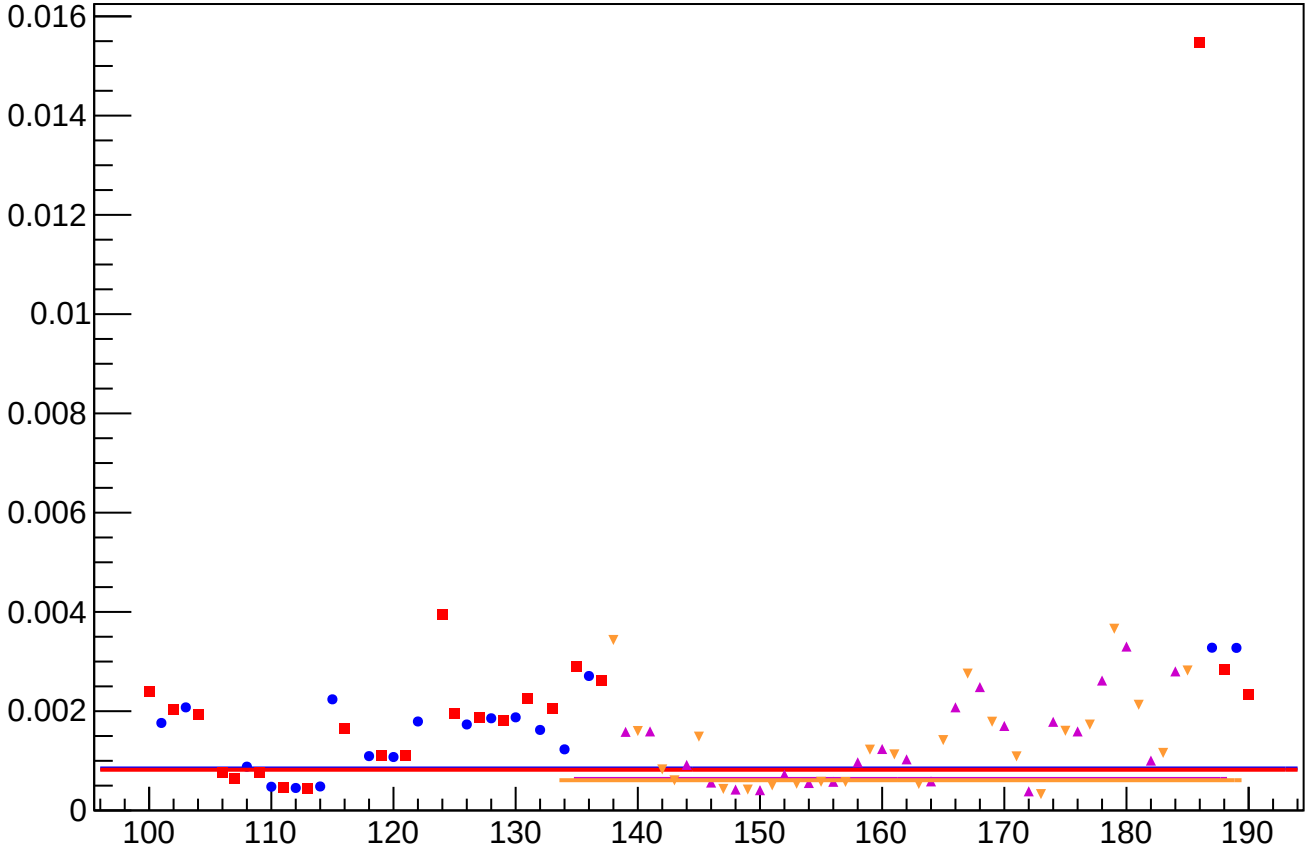
Right: -0.000+/-0.000 χ^2/NDF: 52.3/39

In: -0.000+/-0.000 χ^2/NDF:57.0/40

Out: 0.000+/-0.000 χ^2/NDF:83.9/46

All: 0.000+/-0.000 χ^2/NDF: 141.4/87

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5198868.6/17

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6505011.3/21

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

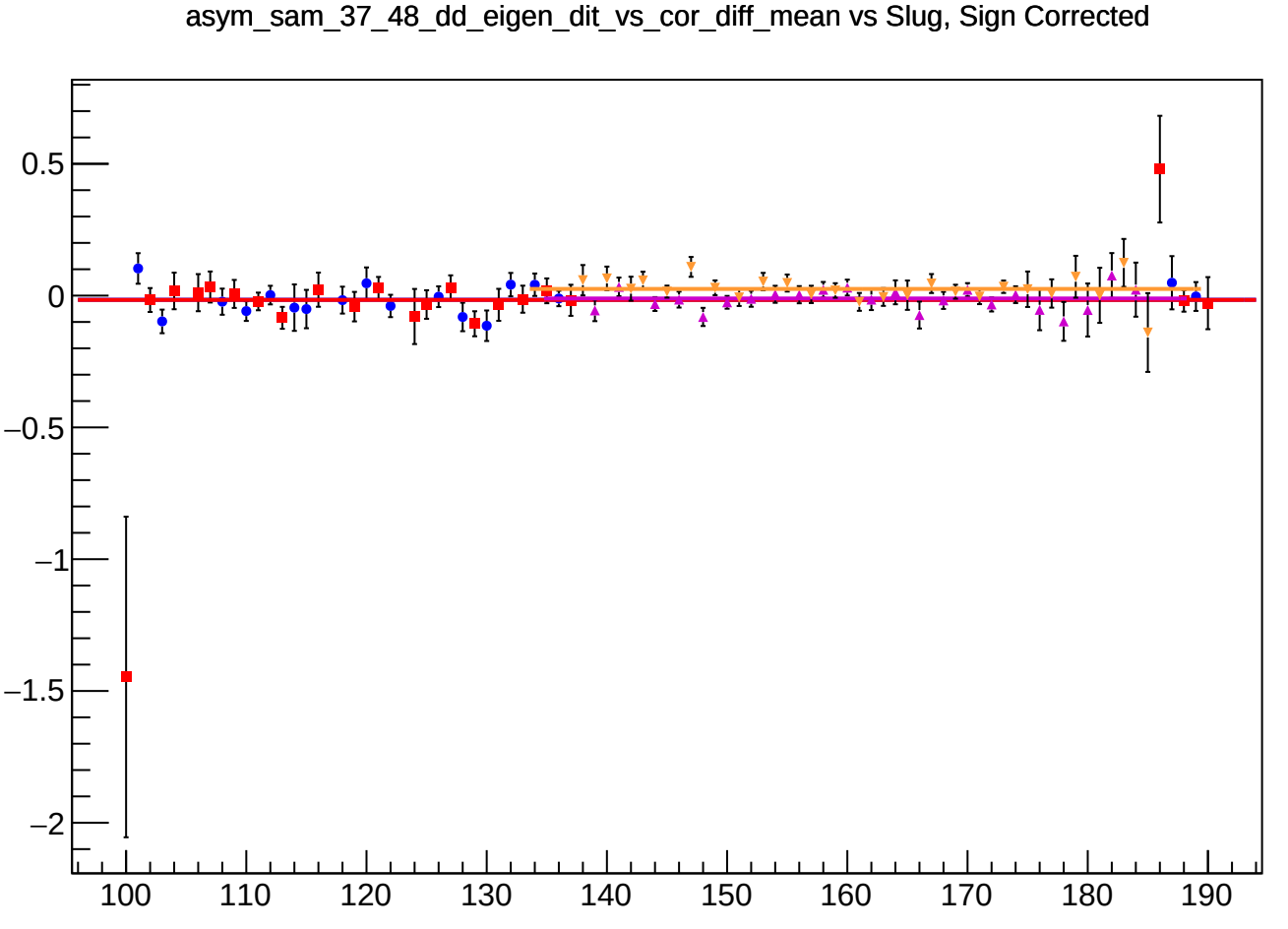
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 11708897.1/39

In: 0.001+/-0.000 χ^2/NDF:15099750.1/40

Out: 0.001+/-0.000 χ^2/NDF:18072736.7/46

All: 0.001+/-0.000 χ^2/NDF: 33200349.9/87



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/21

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

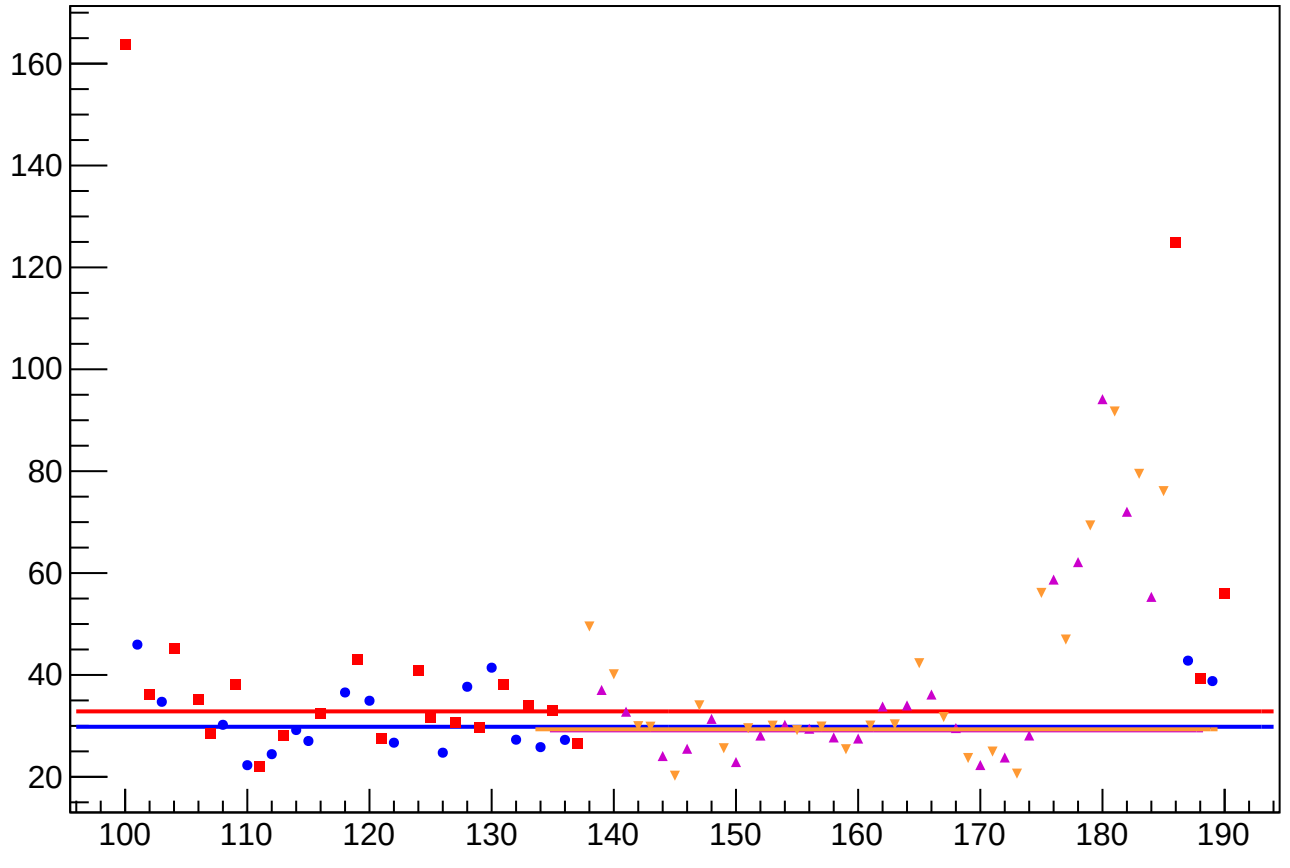
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.2/39

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.7/46

All: 0.001+/-0.004 χ^2/NDF: 97.3/87



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 32.850+/-0.008 χ^2/NDF: 1166928.0/21

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

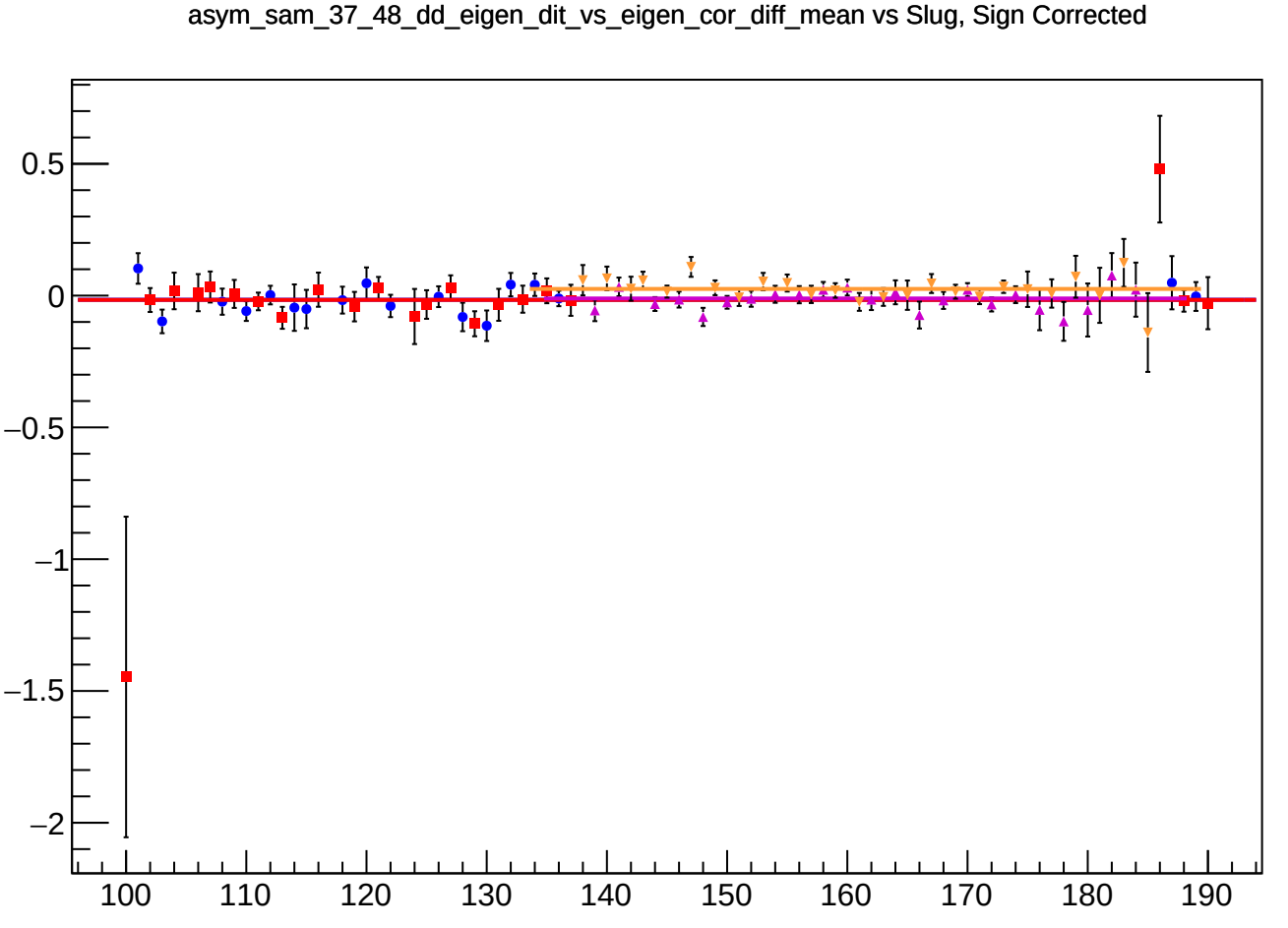
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 31.277+/-0.006 χ^2/NDF: 1890927.9/39

In: 29.338+/-0.004 χ^2/NDF:3496955.0/40

Out: 30.319+/-0.004 χ^2/NDF:5176143.2/46

All: 29.829+/-0.003 χ^2/NDF: 8699049.7/87



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/21

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

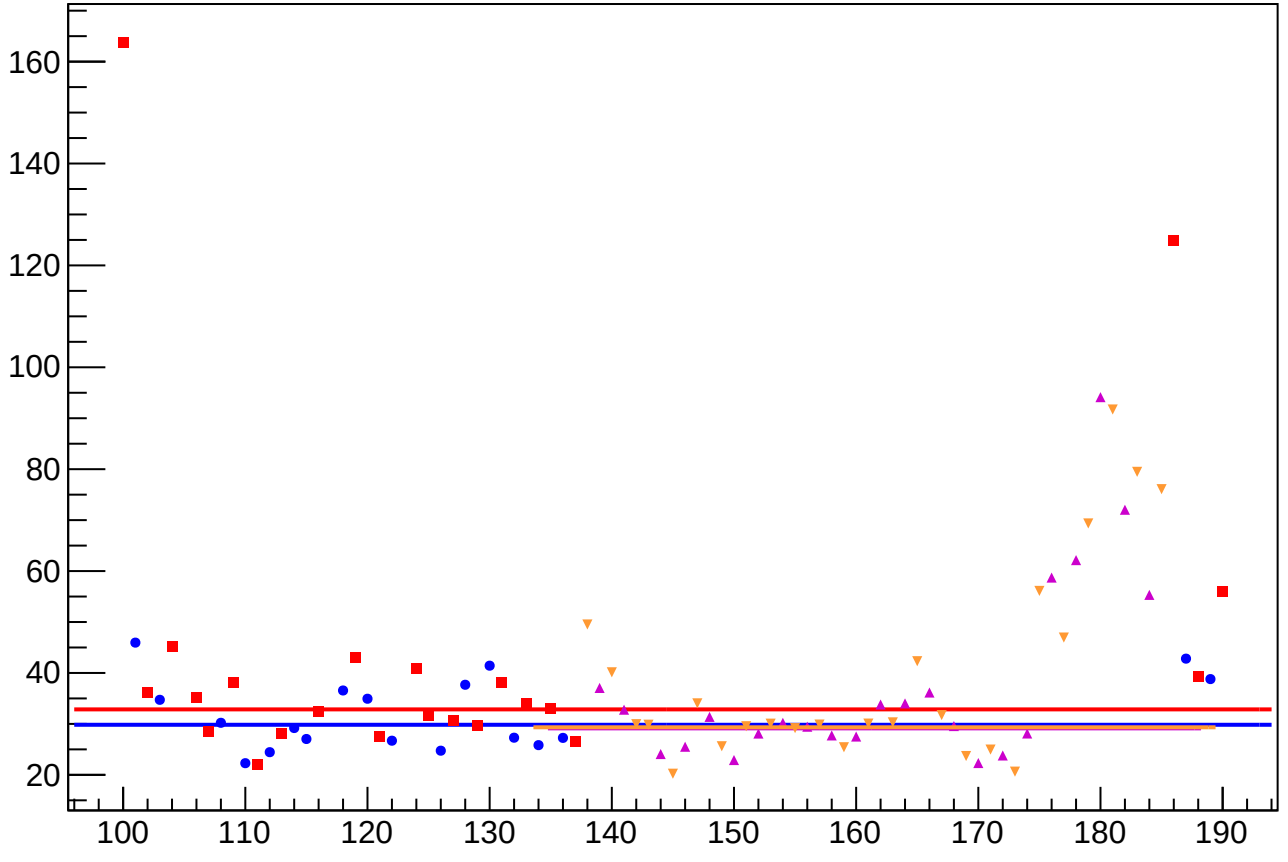
Right: -0.016+/-0.008 χ^2/NDF: 42.2/39

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.7/46

All: 0.001+/-0.004 χ^2/NDF: 97.3/87

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 32.850+/-0.008 χ^2/NDF: 1166928.0/21

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

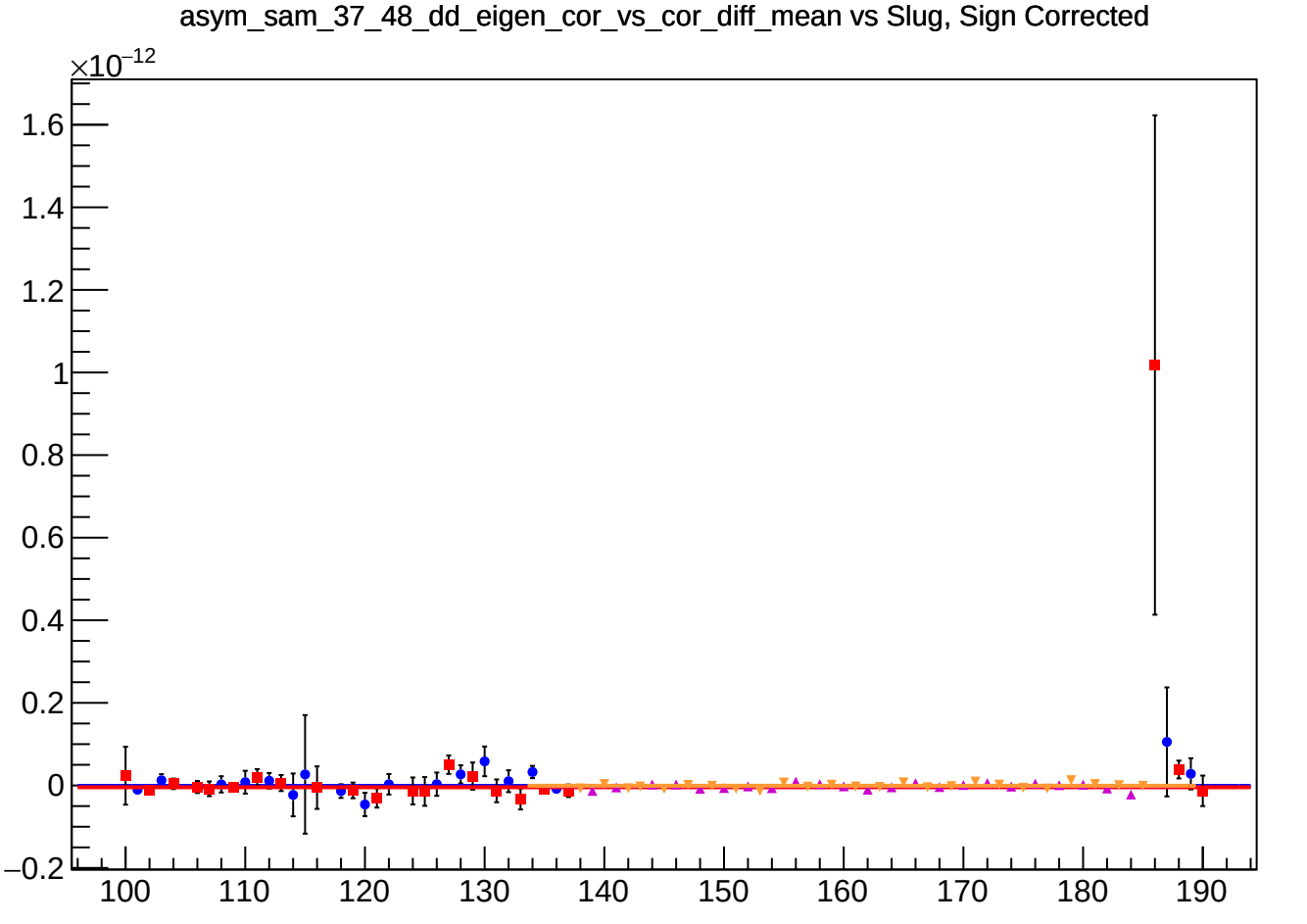
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 31.277+/-0.006 χ^2/NDF: 1890927.9/39

In: 29.338+/-0.004 χ^2/NDF:3496955.0/40

Out: 30.319+/-0.004 χ^2/NDF:5176143.2/46

All: 29.829+/-0.003 χ^2/NDF: 8699049.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

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

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

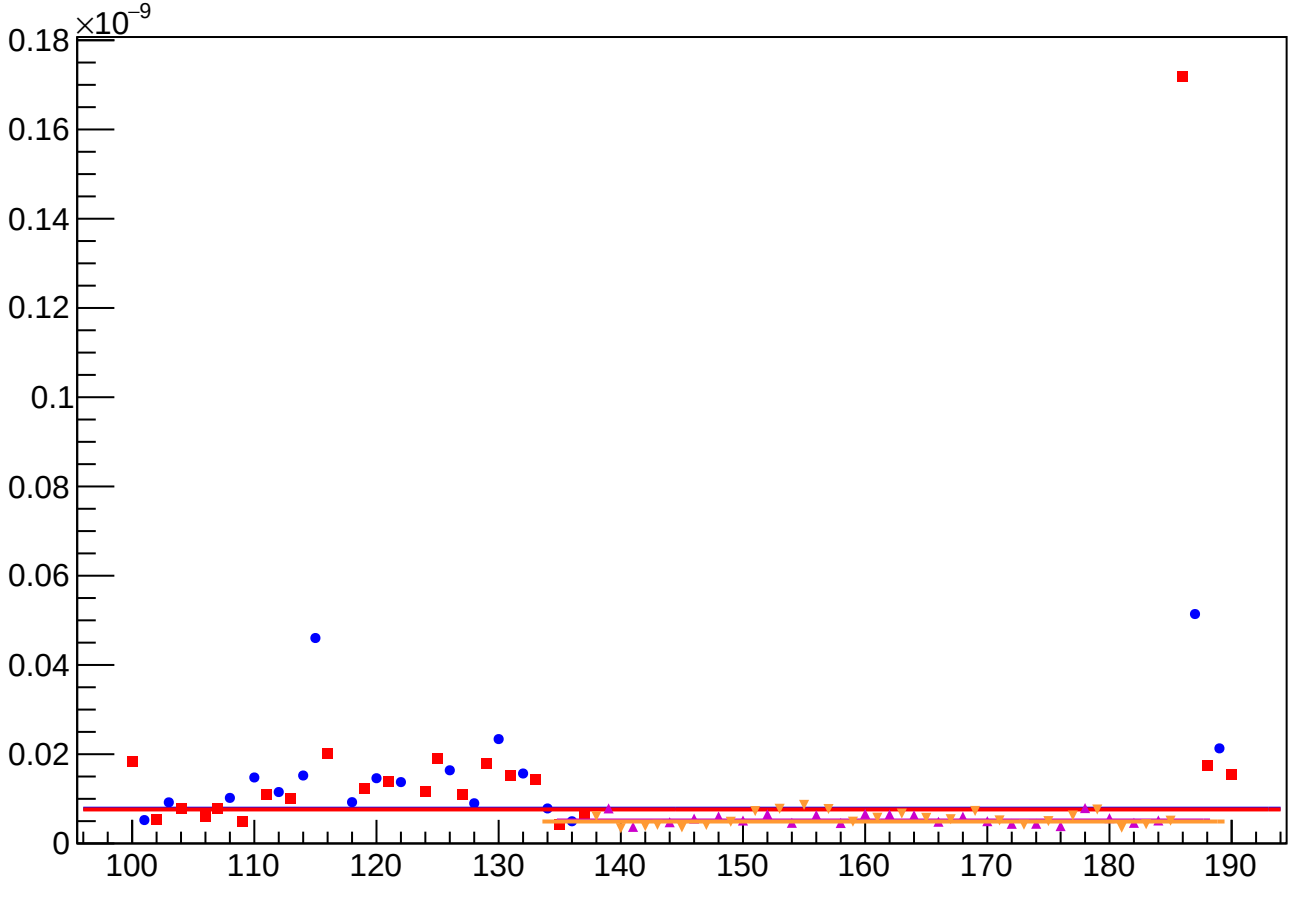
Right: -0.000+/-0.000 χ^2/NDF: 38.9/39

In: -0.000+/-0.000 χ^2/NDF:34.7/40

Out: -0.000+/-0.000 χ^2/NDF:36.3/46

All: -0.000+/-0.000 χ^2/NDF: 71.1/87

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2501154.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2662920.3/21

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

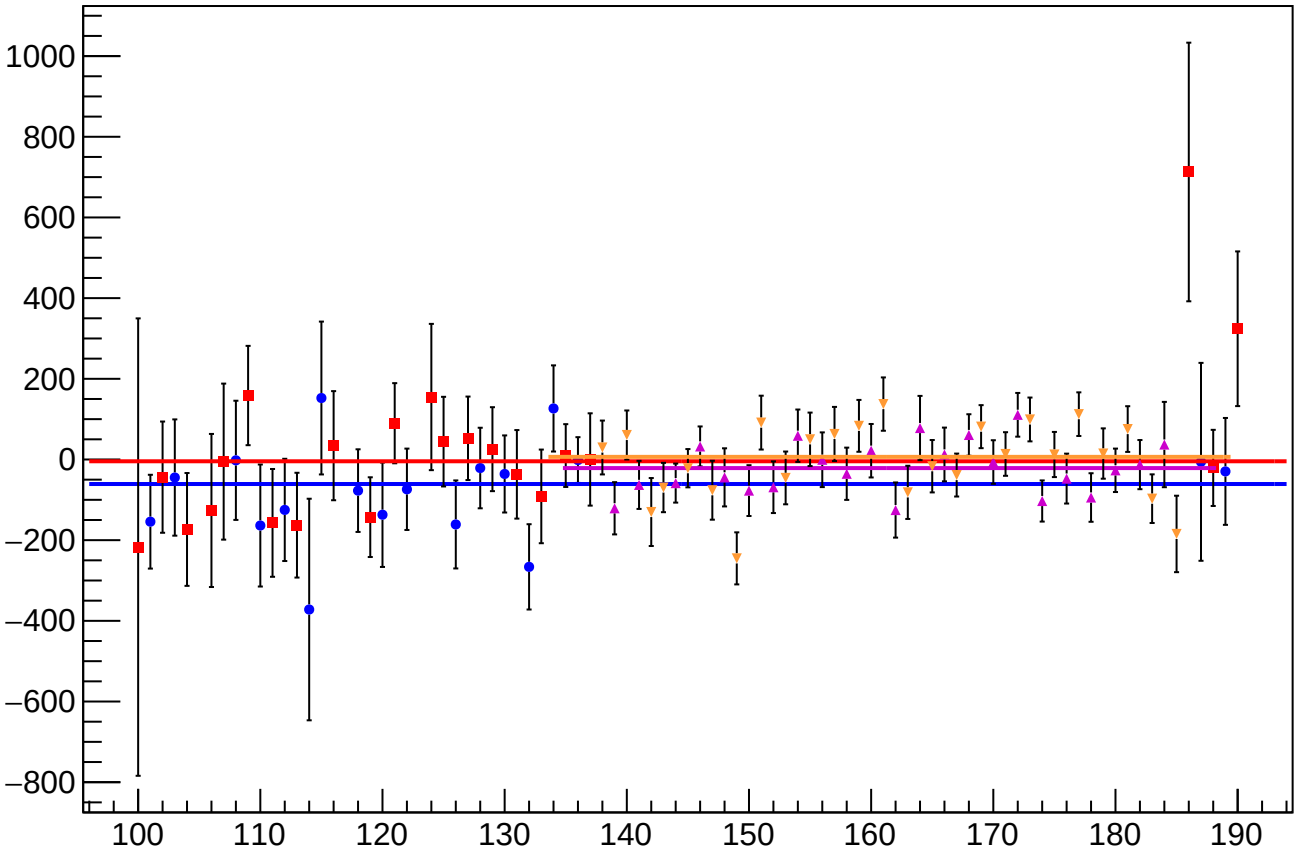
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5166207.4/39

In: 0.000+/-0.000 χ^2/NDF:4319978.9/40

Out: 0.000+/-0.000 χ^2/NDF:5522944.6/46

All: 0.000+/-0.000 χ^2/NDF: 9868845.8/87



Right In: -60.802+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -4.438+/-26.298 χ^2/NDF: 19.6/21

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

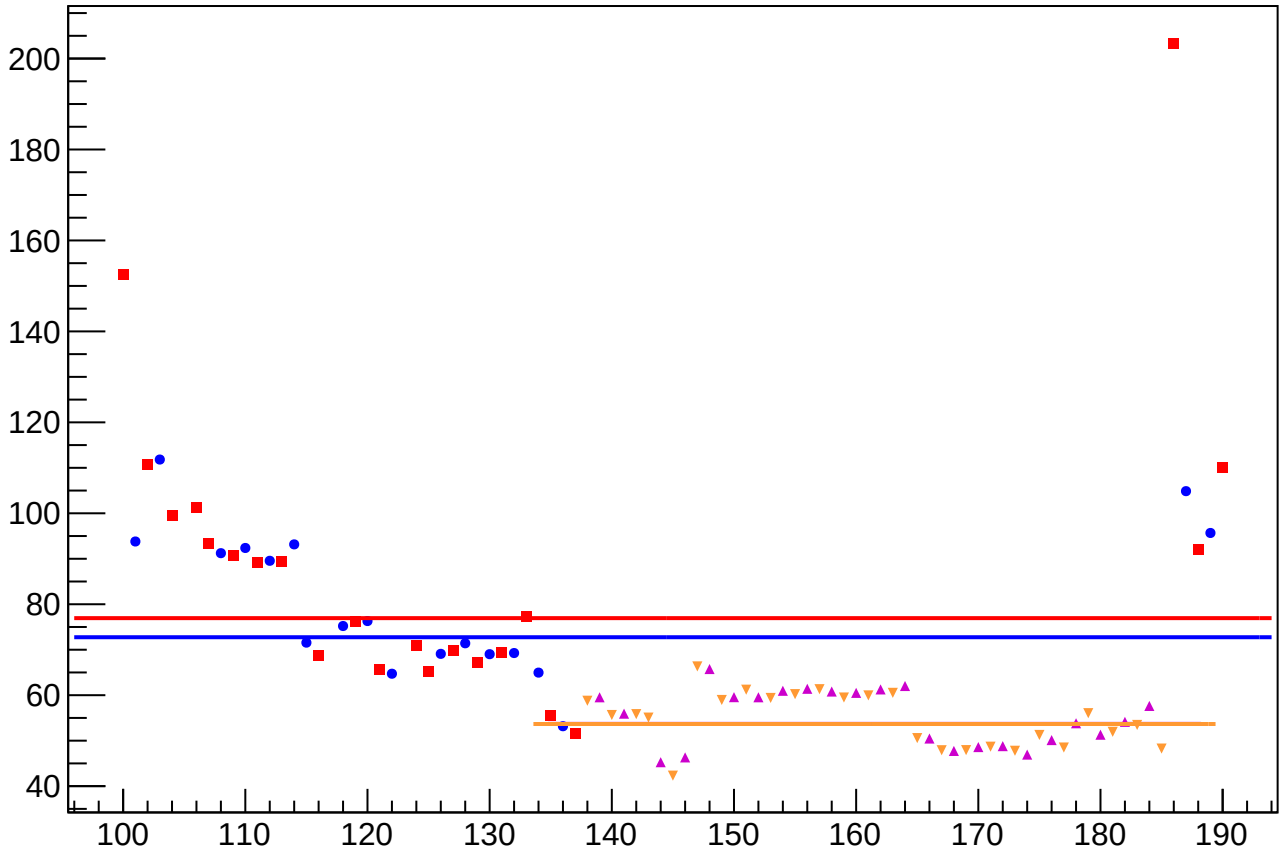
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -32.404+/-18.667 χ^2/NDF: 35.5/39

In: -28.659+/-11.416 χ^2/NDF:40.8/40

Out: 4.559+/-11.132 χ^2/NDF:70.3/46

All: -11.633+/-7.970 χ^2/NDF: 115.4/87



Right In: 72.746+/-0.019 χ^2/NDF: 690131.4/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.945+/-0.019 χ^2/NDF: 1082385.0/21

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

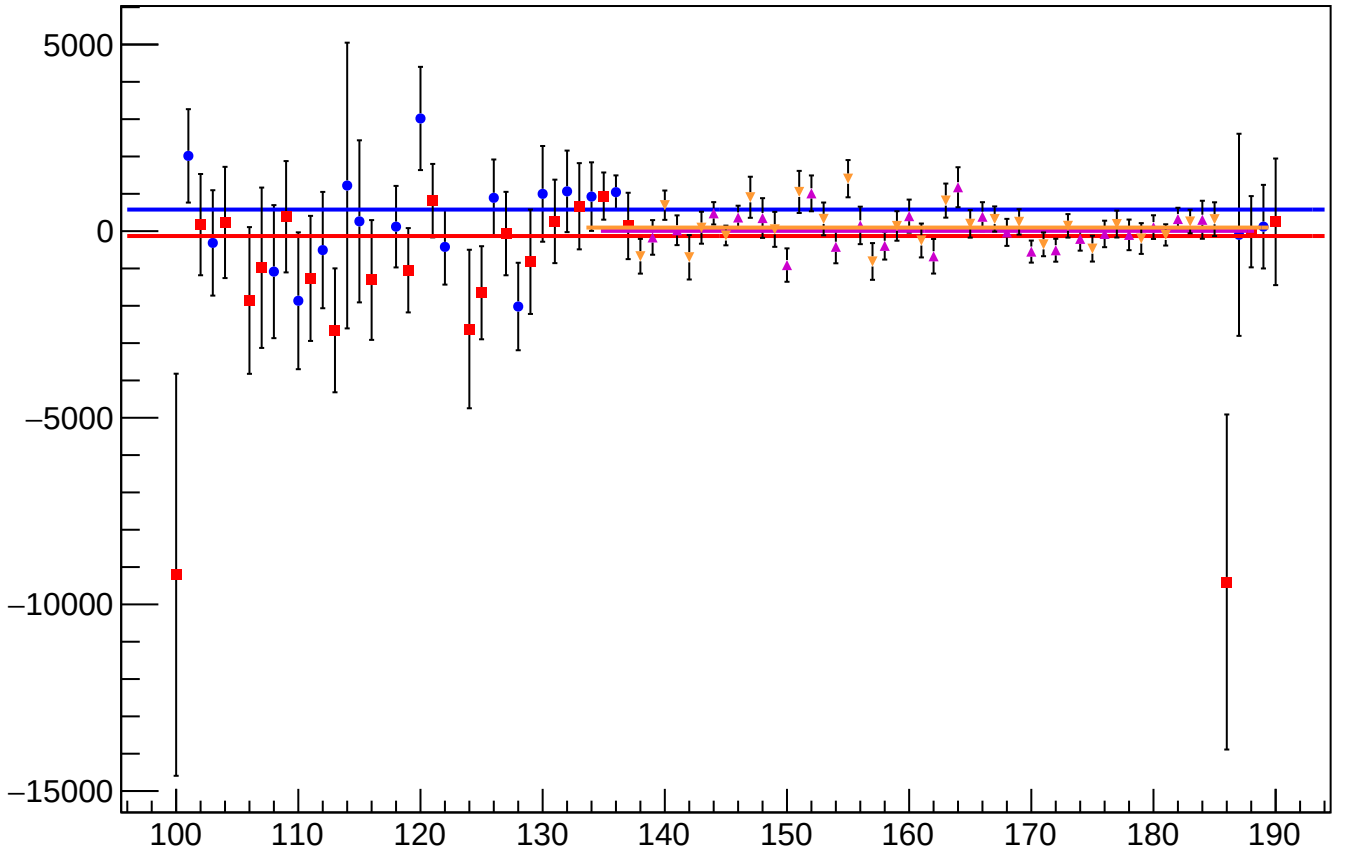
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.862+/-0.013 χ^2/NDF: 1797815.1/39

In: 57.230+/-0.008 χ^2/NDF:2003317.0/40

Out: 57.837+/-0.008 χ^2/NDF:2840964.4/46

All: 57.541+/-0.006 χ^2/NDF: 4847181.1/87



Right In: 577.998+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -130.892+/-268.549 χ^2/NDF: 19.9/21

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

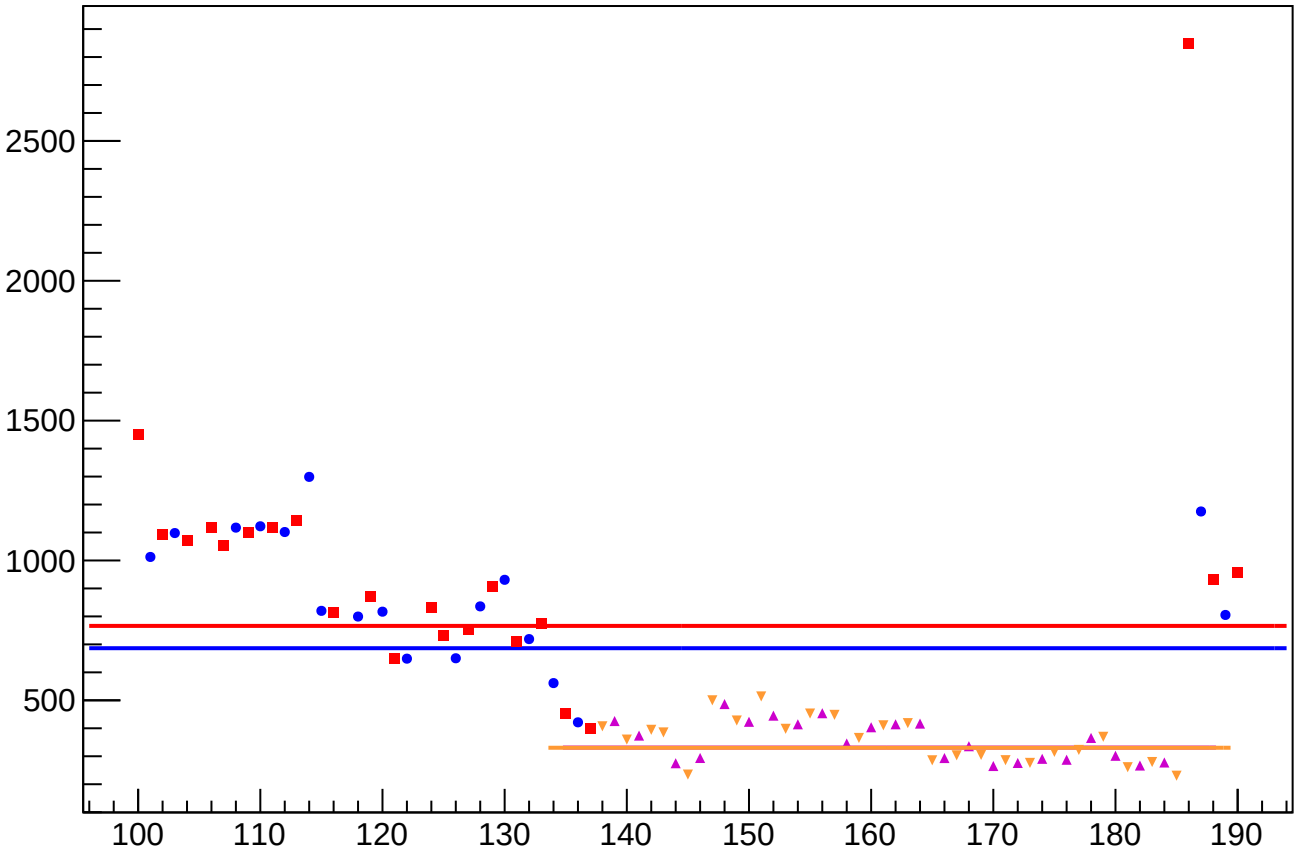
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 237.266+/-186.183 χ^2/NDF: 39.5/39

In: 56.770+/-75.657 χ^2/NDF:52.7/40

Out: 78.206+/-74.137 χ^2/NDF:53.7/46

All: 67.706+/-52.952 χ^2/NDF: 106.5/87



Right In: 686.329+/-0.183 χ^2/NDF: 1709085.1/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 766.084+/-0.190 χ^2/NDF: 2052601.8/21

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

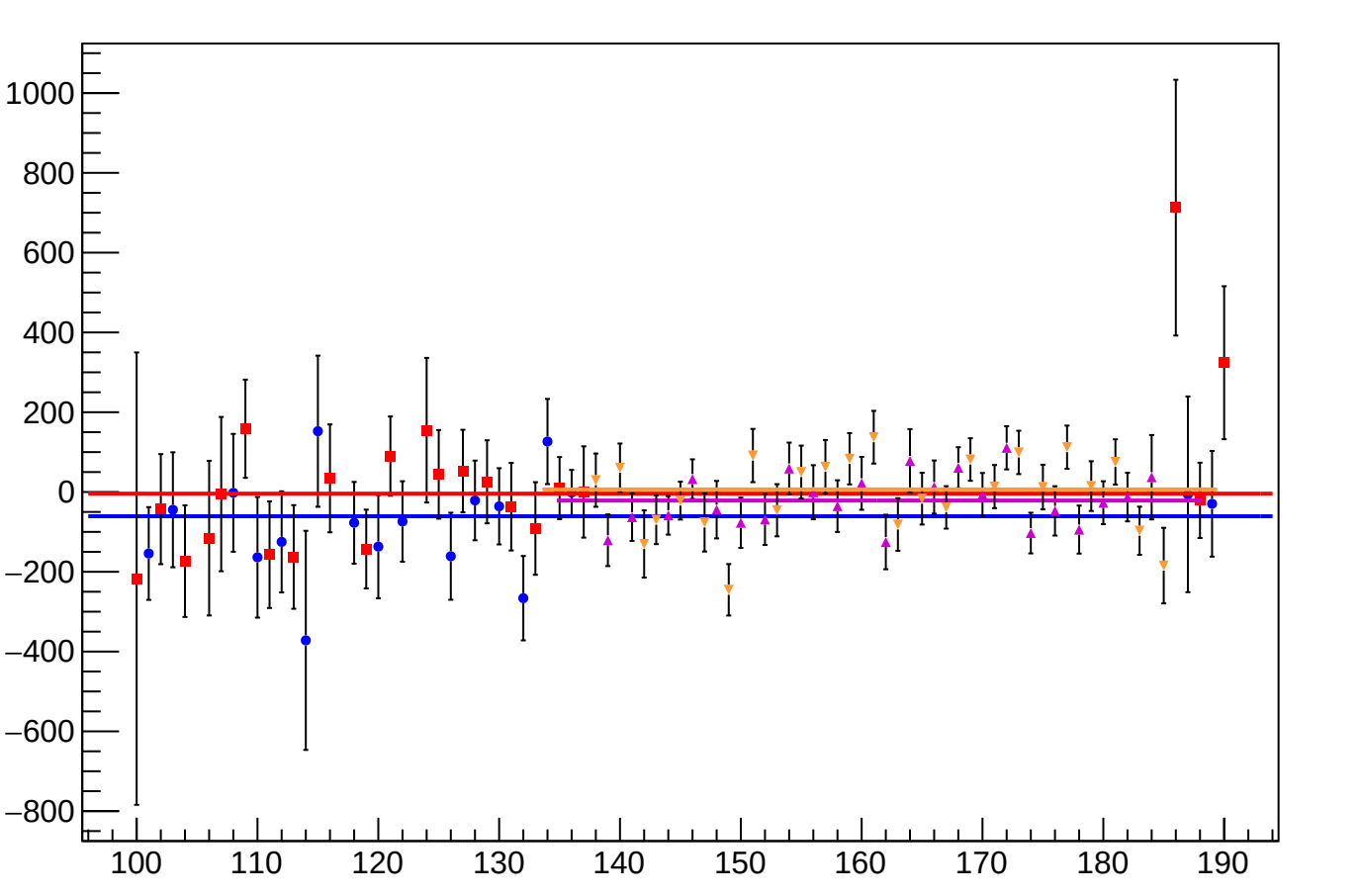
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 724.664+/-0.132 χ^2/NDF: 3853298.2/39

In: 361.525+/-0.053 χ^2/NDF:6492364.8/40

Out: 363.609+/-0.052 χ^2/NDF:8667891.7/46

All: 362.588+/-0.037 χ^2/NDF: 15161030.4/87



Right In: -60.794+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -4.110+/-26.309 χ^2/NDF: 19.5/21

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

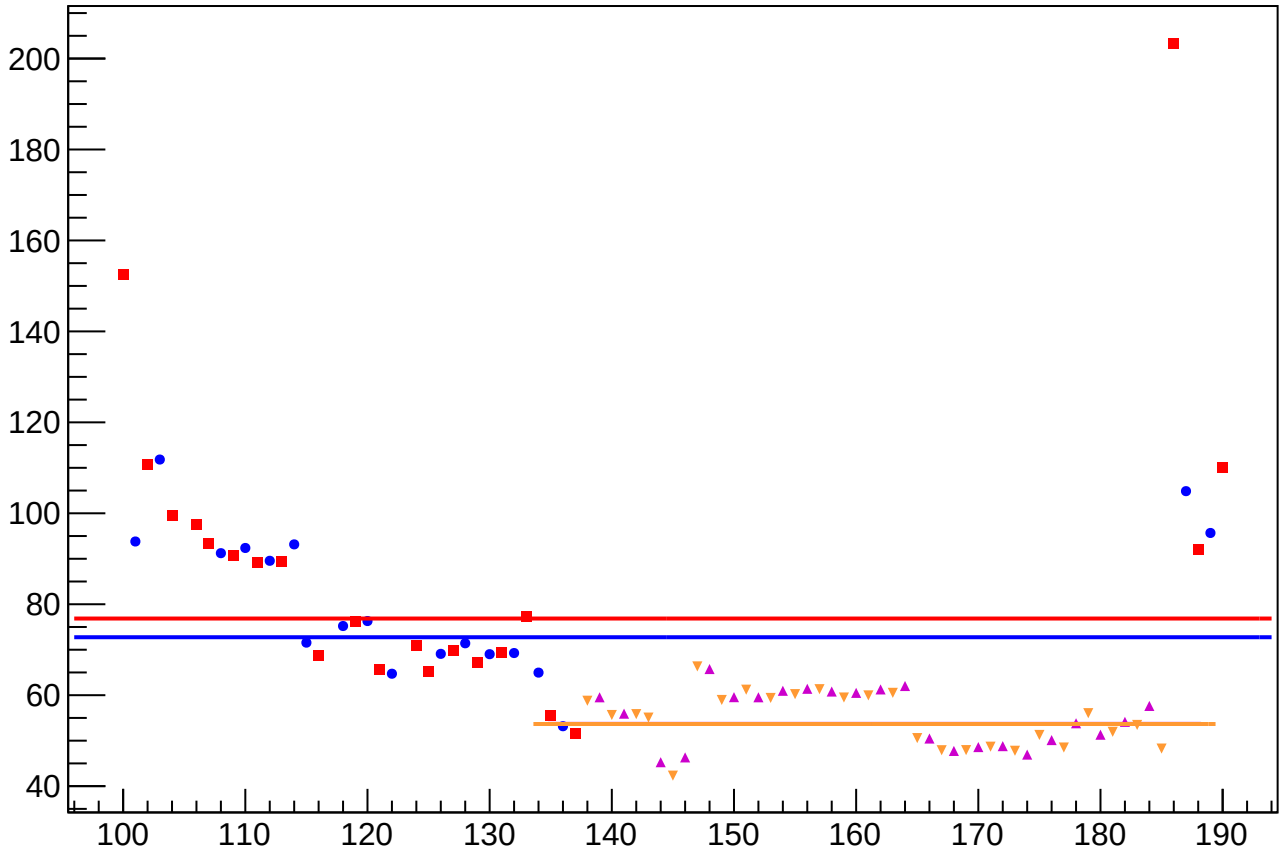
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -32.247+/-18.671 χ^2/NDF: 35.4/39

In: -28.657+/-11.416 χ^2/NDF:40.8/40

Out: 4.621+/-11.133 χ^2/NDF:70.2/46

All: -11.601+/-7.970 χ^2/NDF: 115.4/87



Right In: 72.746+/-0.019 χ^2/NDF: 690133.8/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.858+/-0.019 χ^2/NDF: 1072461.8/21

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

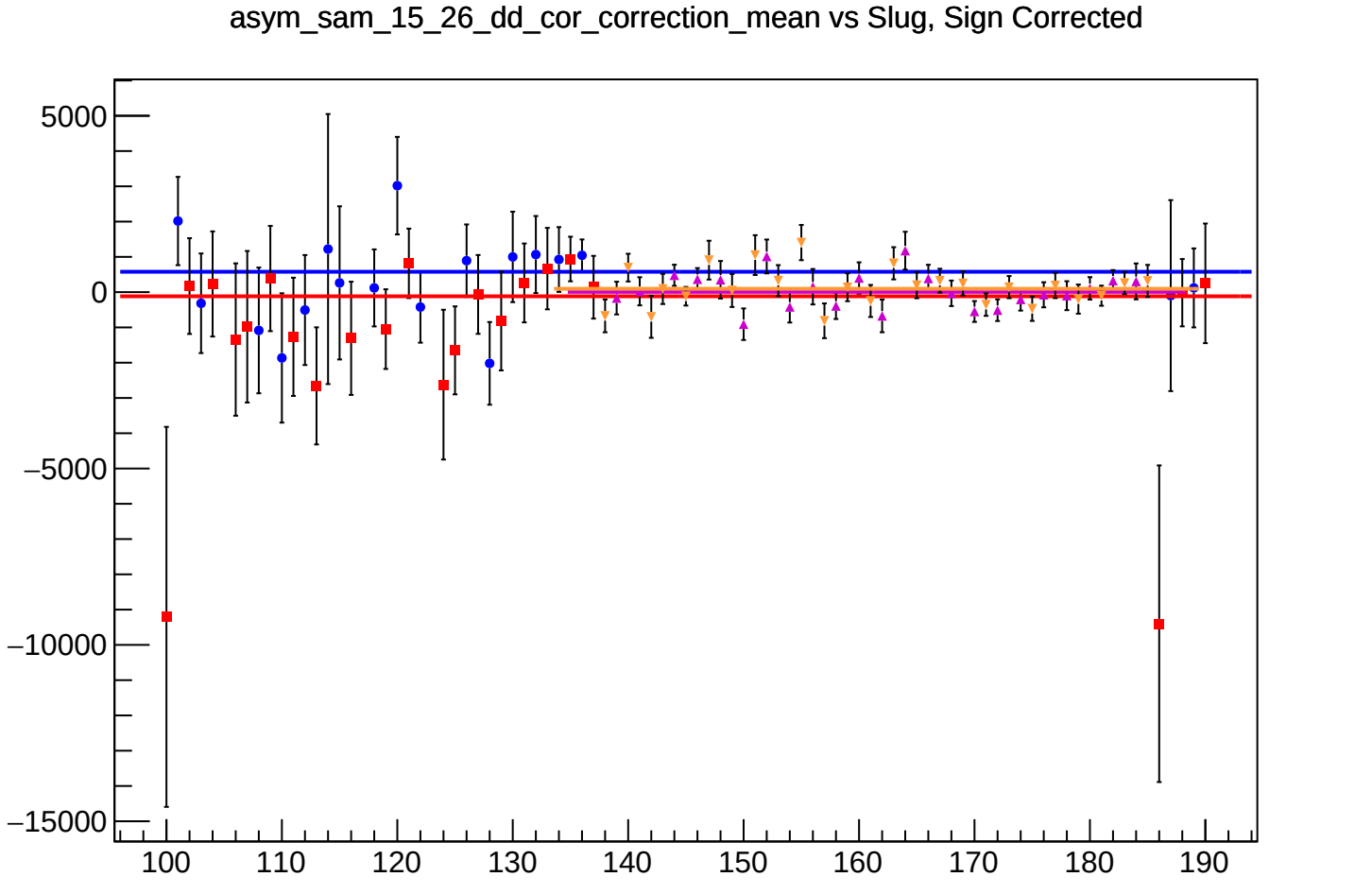
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.817+/-0.013 χ^2/NDF: 1786847.4/39

In: 57.230+/-0.008 χ^2/NDF:2003319.5/40

Out: 57.818+/-0.008 χ^2/NDF:2820557.0/46

All: 57.531+/-0.006 χ^2/NDF: 4826602.1/87



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -117.499+/-268.986 χ^2/NDF: 19.4/21

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

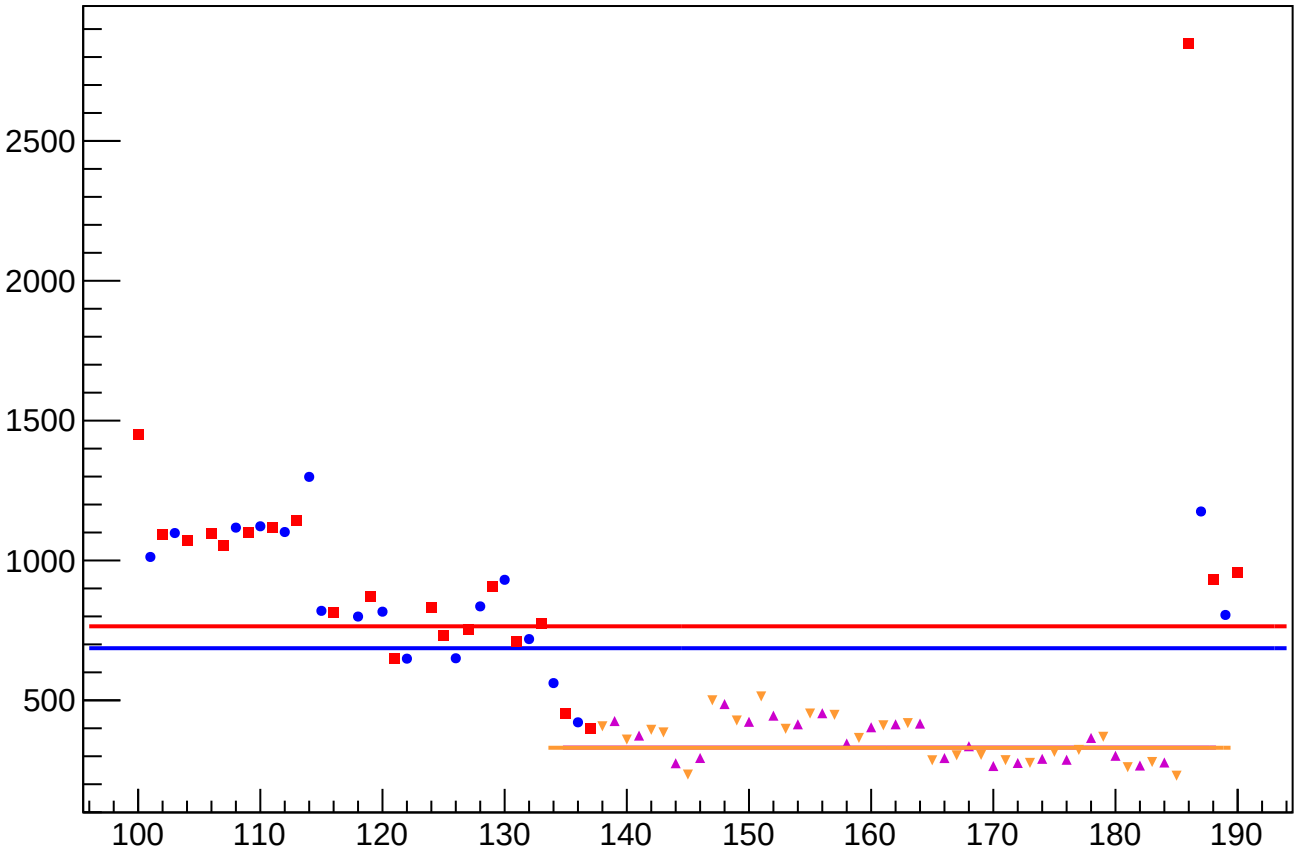
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 244.262+/-186.329 χ^2/NDF: 38.9/39

In: 56.766+/-75.657 χ^2/NDF:52.7/40

Out: 79.277+/-74.146 χ^2/NDF:53.2/46

All: 68.249+/-52.955 χ^2/NDF: 105.9/87



Right In: 686.330+/-0.183 χ^2/NDF: 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 764.611+/-0.190 χ^2/NDF: 2035231.2/21

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

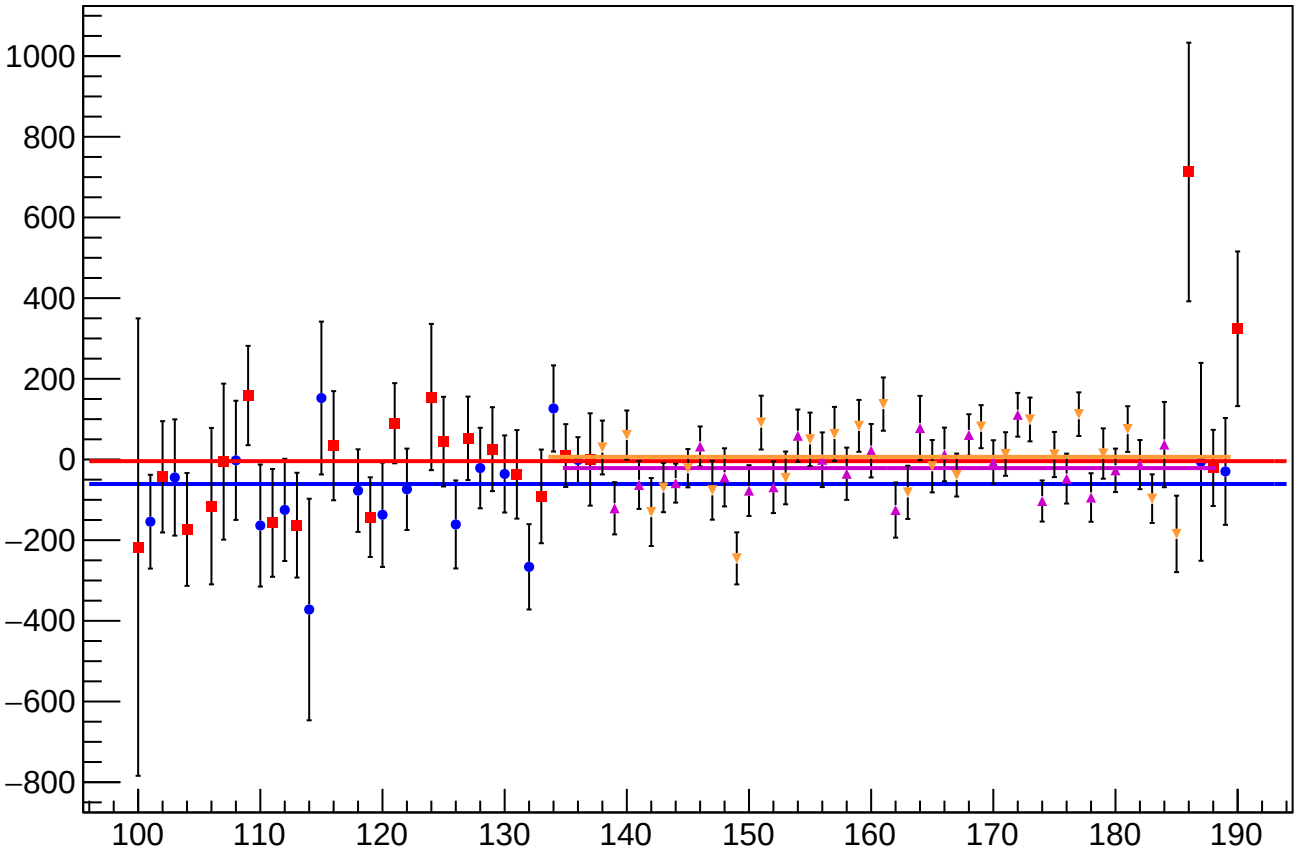
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 723.893+/-0.132 χ^2/NDF: 3832451.4/39

In: 361.525+/-0.053 χ^2/NDF:6492396.0/40

Out: 363.397+/-0.052 χ^2/NDF:8603204.7/46

All: 362.480+/-0.037 χ^2/NDF: 15096225.4/87



Right In: -60.794+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -4.110+/-26.309 χ^2/NDF: 19.5/21

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

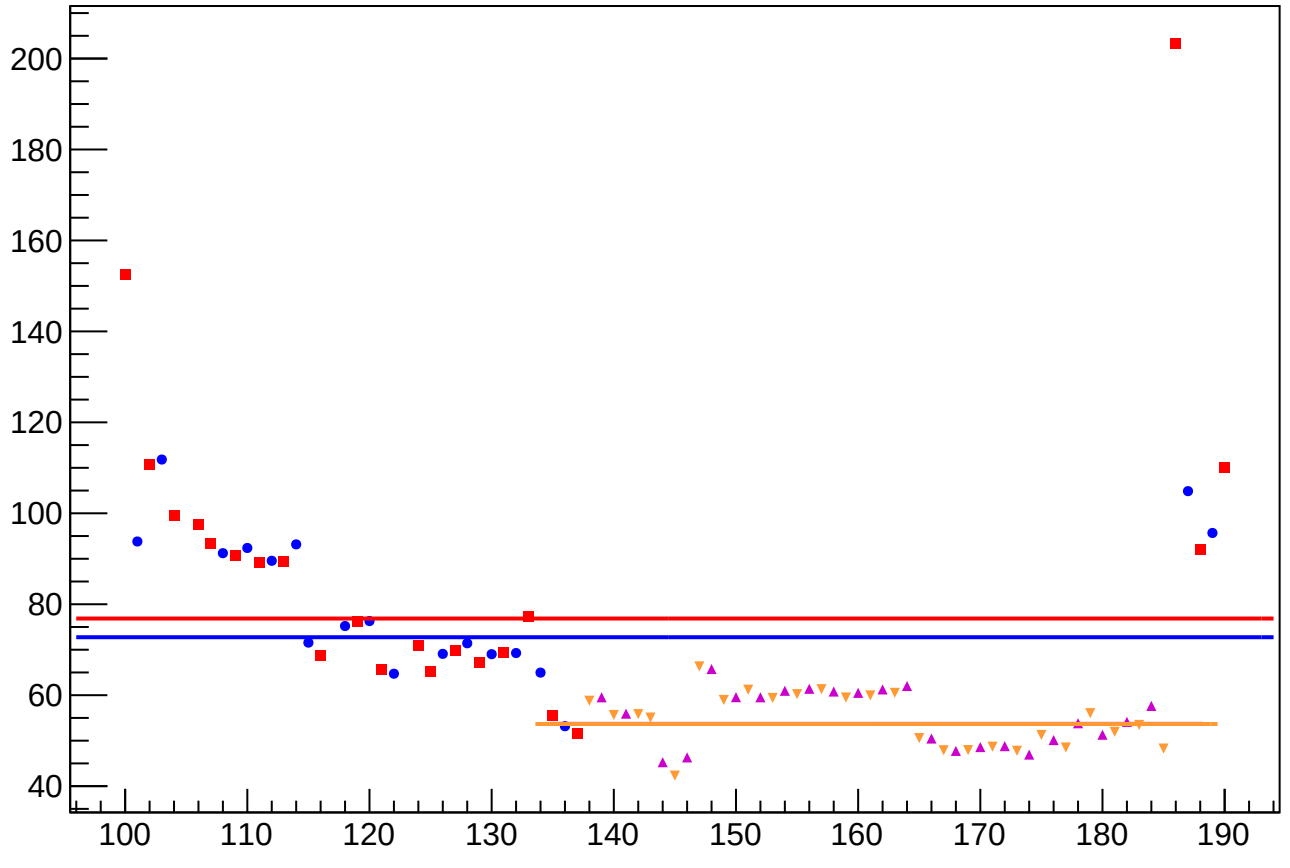
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -32.247+/-18.671 χ^2/NDF: 35.4/39

In: -28.657+/-11.416 χ^2/NDF:40.8/40

Out: 4.621+/-11.133 χ^2/NDF:70.2/46

All: -11.601+/-7.970 χ^2/NDF: 115.4/87



Right In: 72.746+/-0.019 χ^2/NDF: 690133.8/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.858+/-0.019 χ^2/NDF: 1072461.8/21

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

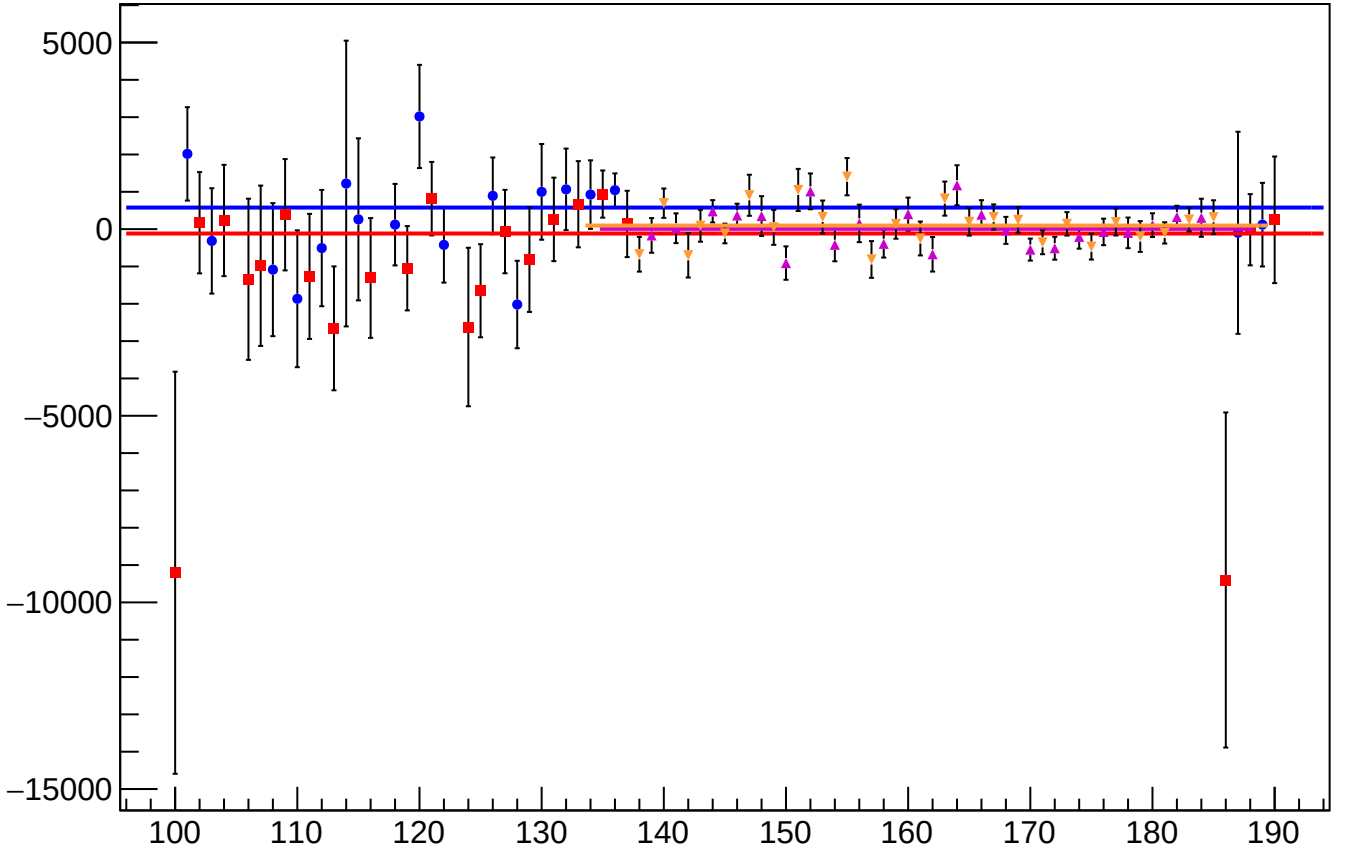
Right: 74.817+/-0.013 χ^2/NDF: 1786847.4/39

In: 57.230+/-0.008 χ^2/NDF:2003319.5/40

Out: 57.818+/-0.008 χ^2/NDF:2820557.0/46

All: 57.531+/-0.006 χ^2/NDF: 4826602.1/87

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -117.499+/-268.986 χ^2/NDF: 19.4/21

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

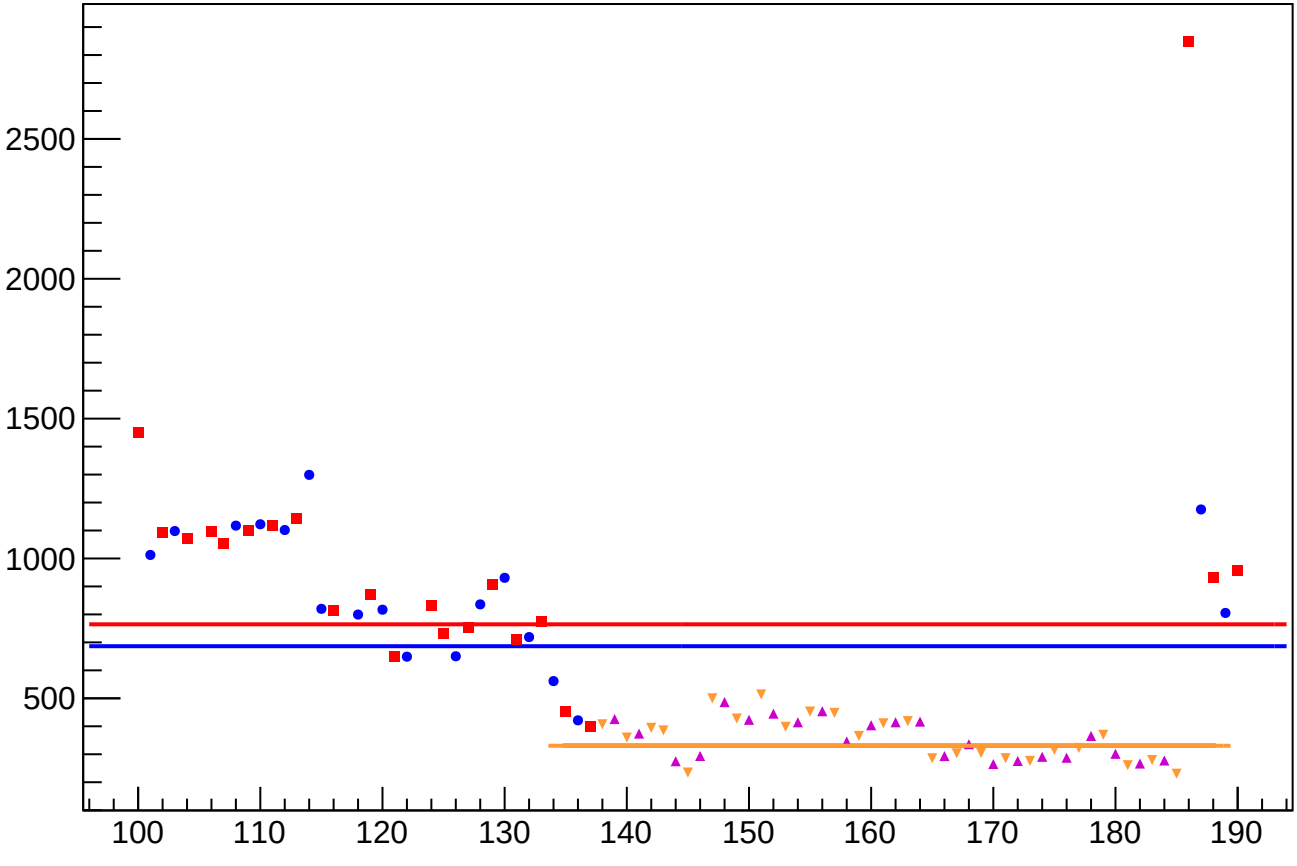
Right: 244.262+/-186.329 χ^2/NDF: 38.9/39

In: 56.766+/-75.657 χ^2/NDF:52.7/40

Out: 79.277+/-74.146 χ^2/NDF:53.2/46

All: 68.249+/-52.955 χ^2/NDF: 105.9/87

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 686.330+/-0.183 χ^2/NDF: 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 764.611+/-0.190 χ^2/NDF: 2035231.2/21

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

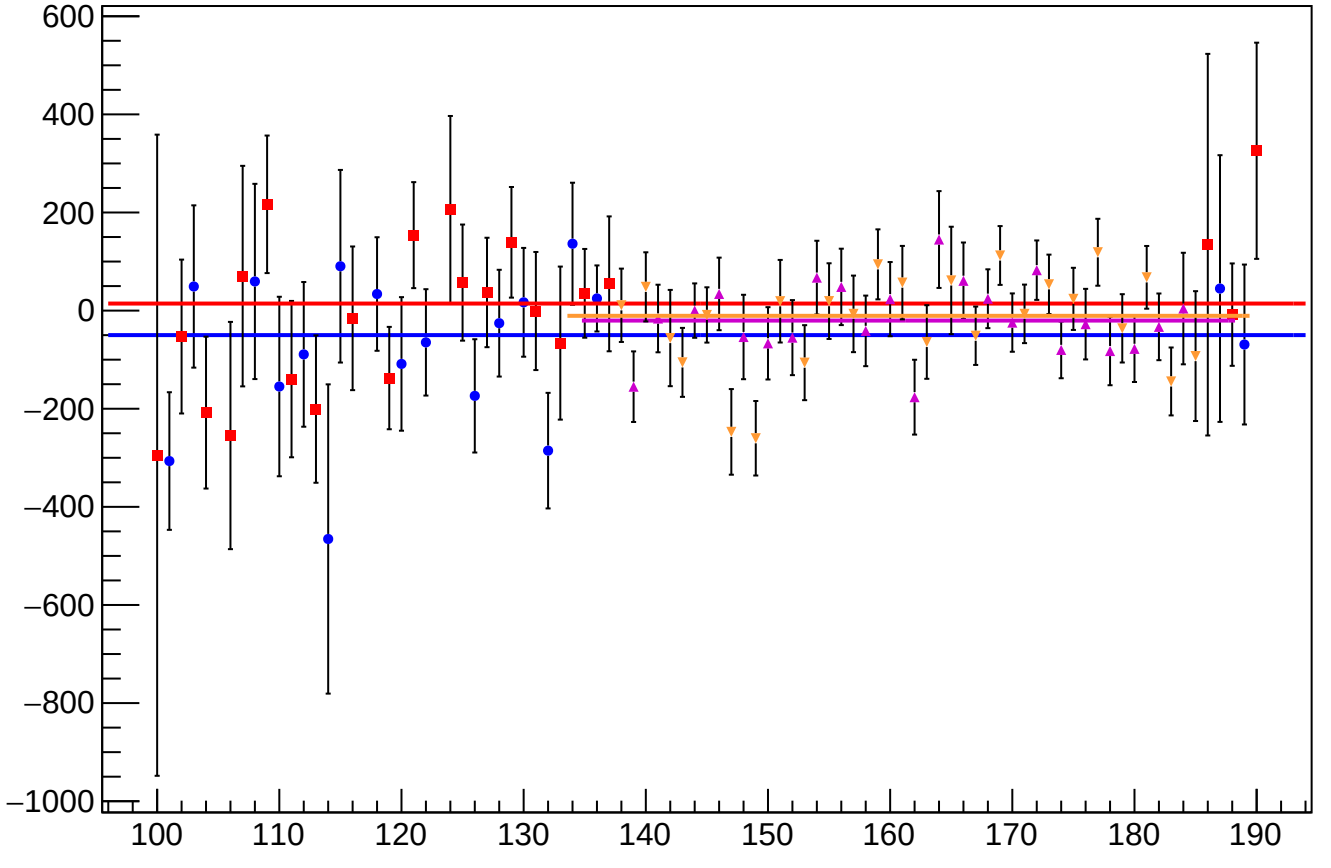
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 723.893+/-0.132 χ^2/NDF: 3832451.4/39

In: 361.525+/-0.053 χ^2/NDF:6492396.0/40

Out: 363.397+/-0.052 χ^2/NDF:8603204.7/46

All: 362.480+/-0.037 χ^2/NDF: 15096225.4/87



Right In: -49.923+/-30.322 χ^2/NDF: 16.6/17

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 14.390+/-29.565 χ^2/NDF: 17.7/21

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

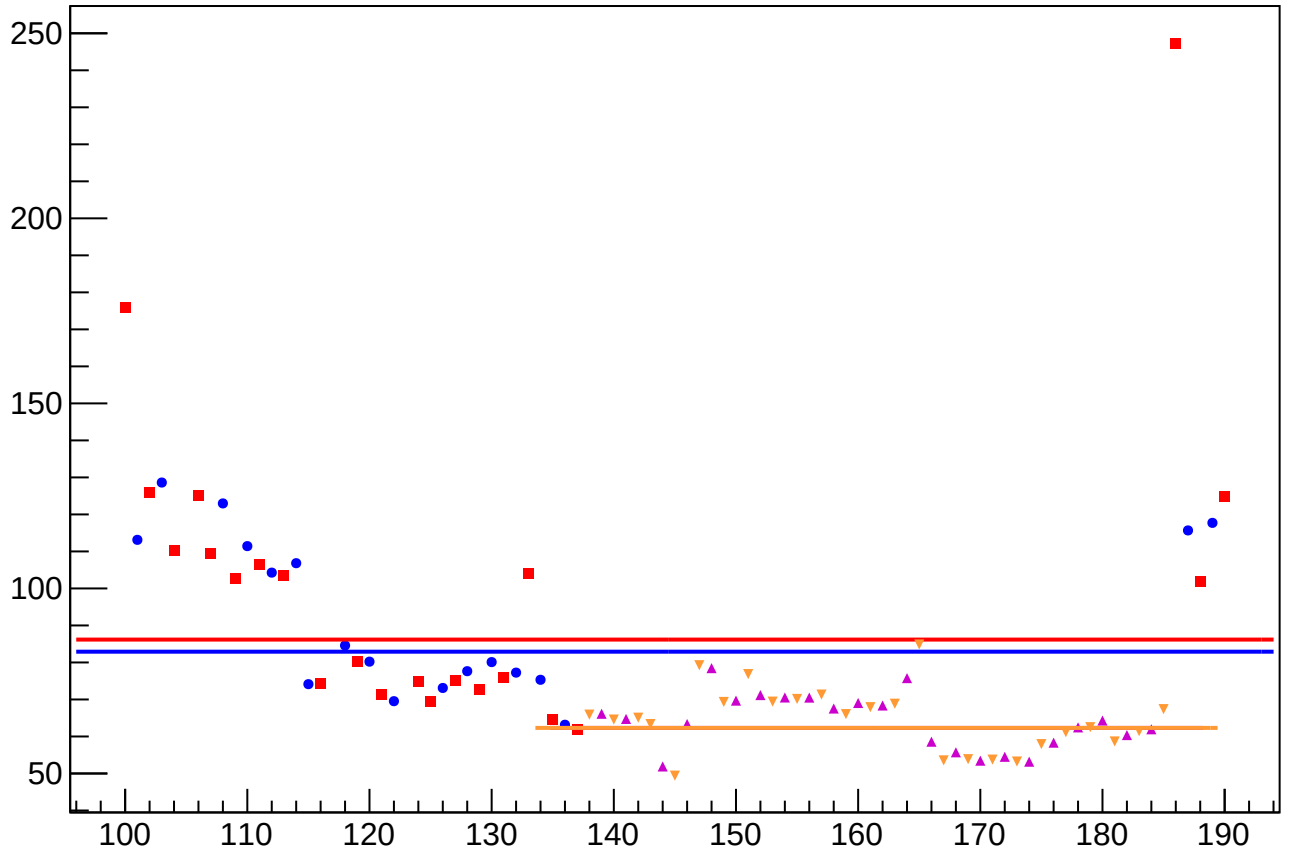
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -16.954+/-21.168 χ^2/NDF: 36.6/39

In: -25.973+/-13.264 χ^2/NDF:39.0/40

Out: -5.868+/-12.881 χ^2/NDF:60.5/46

All: -15.626+/-9.241 χ^2/NDF: 100.7/87



Right In: 82.910+/-0.021 χ^2/NDF: 789090.7/17

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 86.182+/-0.021 χ^2/NDF: 1200446.2/21

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

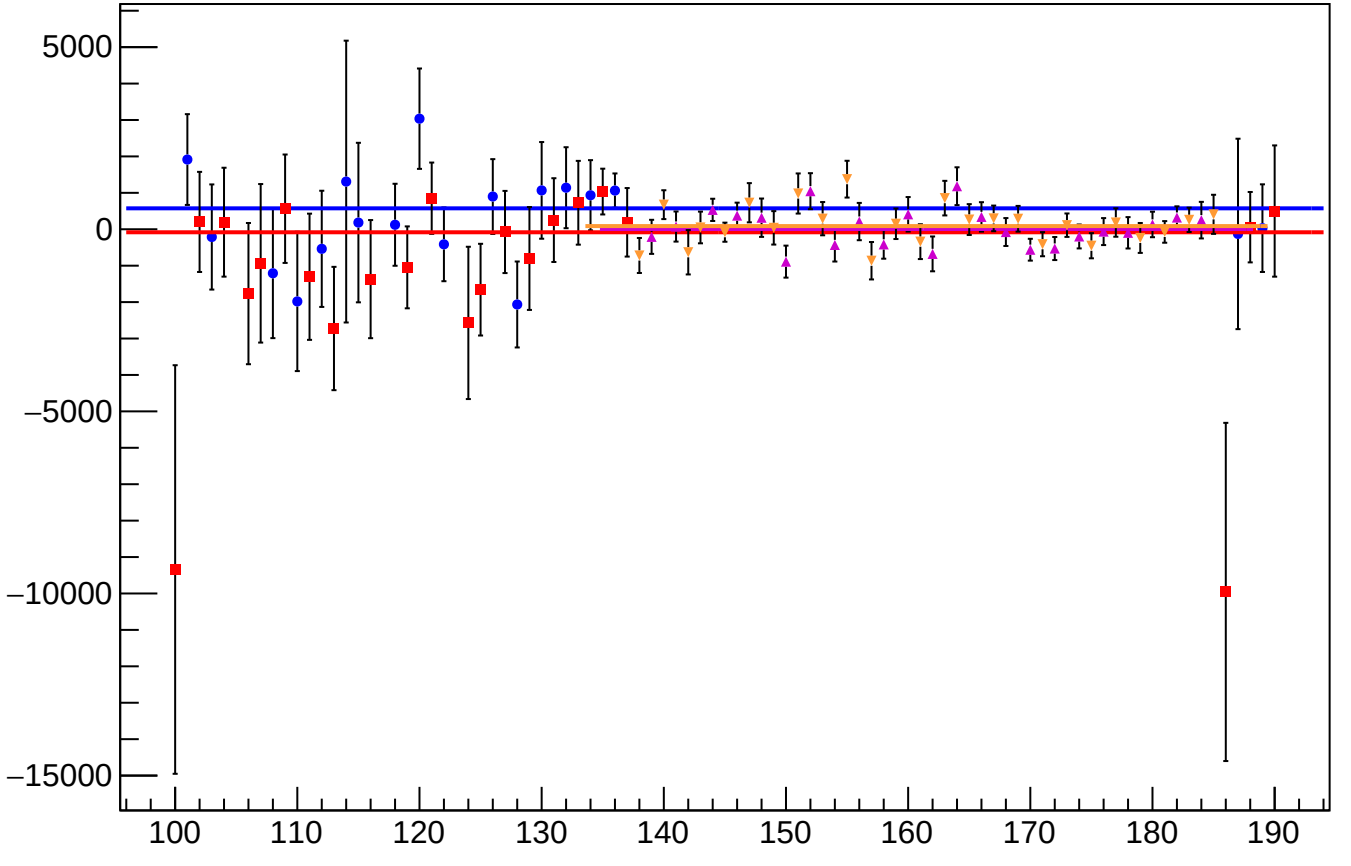
Right: 84.587+/-0.015 χ^2/NDF: 2001476.2/39

In: 66.252+/-0.009 χ^2/NDF:2020094.2/40

Out: 66.847+/-0.009 χ^2/NDF:2892589.6/46

All: 66.558+/-0.007 χ^2/NDF: 4914750.6/87

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 574.458+/-265.761 χ^2/NDF: 16.1/17

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -82.901+/-271.365 χ^2/NDF: 20.8/21

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

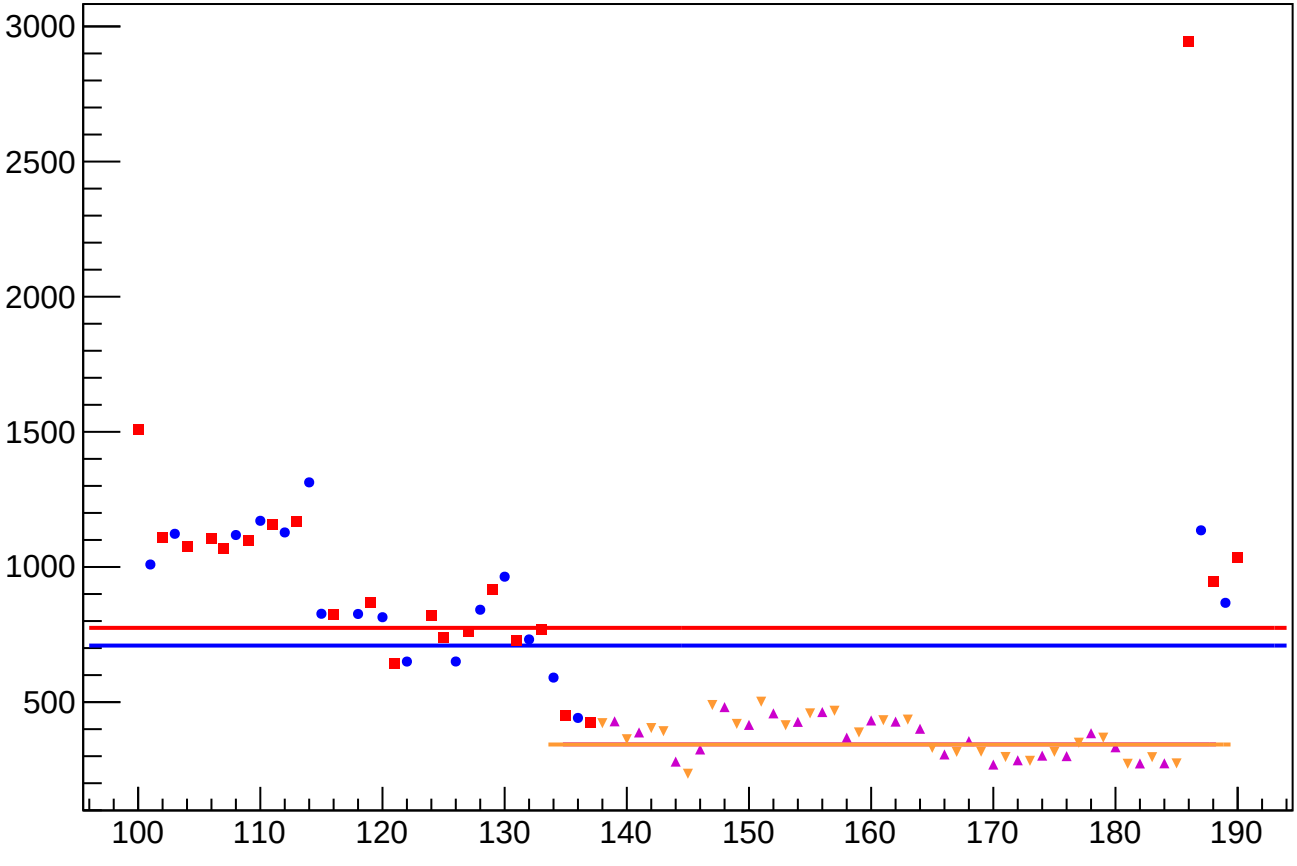
Right: 252.637+/-189.872 χ^2/NDF: 39.9/39

In: 55.989+/-78.451 χ^2/NDF:52.7/40

Out: 73.451+/-76.591 χ^2/NDF:52.8/46

All: 64.930+/-54.804 χ^2/NDF: 105.5/87

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 709.254+/-0.188 χ^2/NDF: 1607666.0/17

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 774.741+/-0.192 χ^2/NDF: 2060449.4/21

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

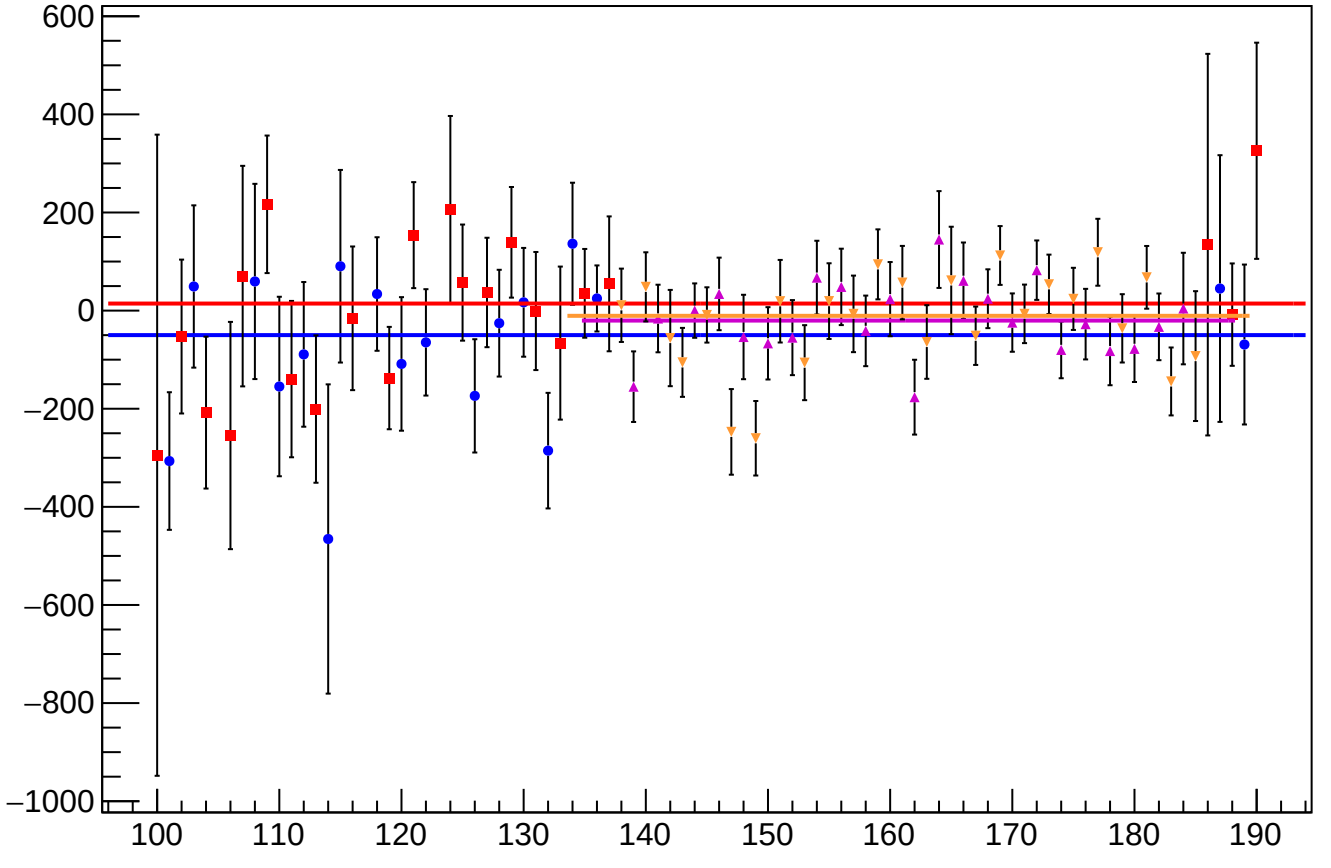
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 741.315+/-0.134 χ^2/NDF: 3727568.2/39

In: 375.570+/-0.055 χ^2/NDF:6319985.5/40

Out: 377.600+/-0.054 χ^2/NDF:8310252.7/46

All: 376.609+/-0.039 χ^2/NDF: 14630923.6/87



Right In: -49.923+/-30.322 χ^2/NDF: 16.6/17

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 14.390+/-29.565 χ^2/NDF: 17.7/21

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

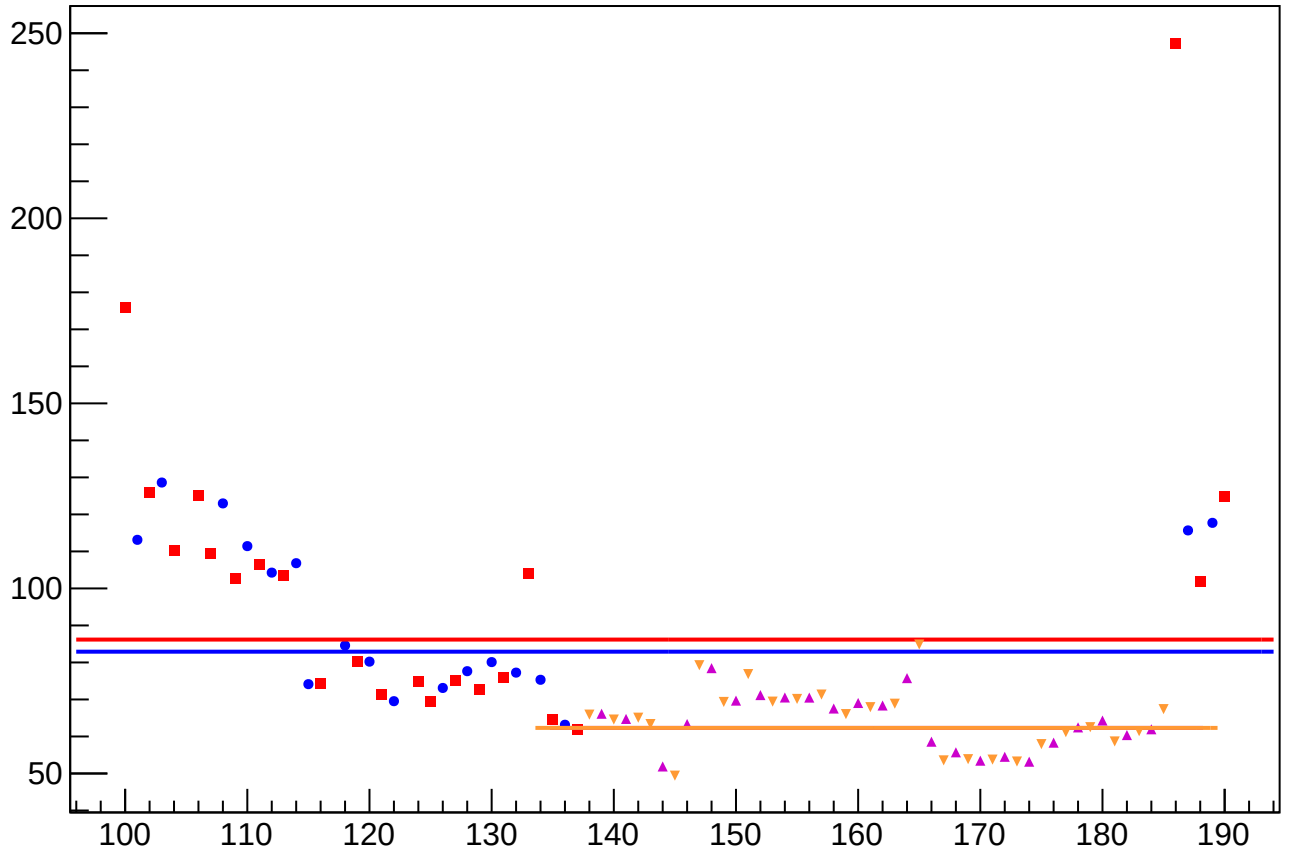
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -16.954+/-21.168 χ^2/NDF: 36.6/39

In: -25.973+/-13.264 χ^2/NDF:39.0/40

Out: -5.867+/-12.881 χ^2/NDF:60.5/46

All: -15.626+/-9.241 χ^2/NDF: 100.7/87



Right In: 82.910+/-0.021 χ^2/NDF: 789087.7/17

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 86.182+/-0.021 χ^2/NDF: 1200427.1/21

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

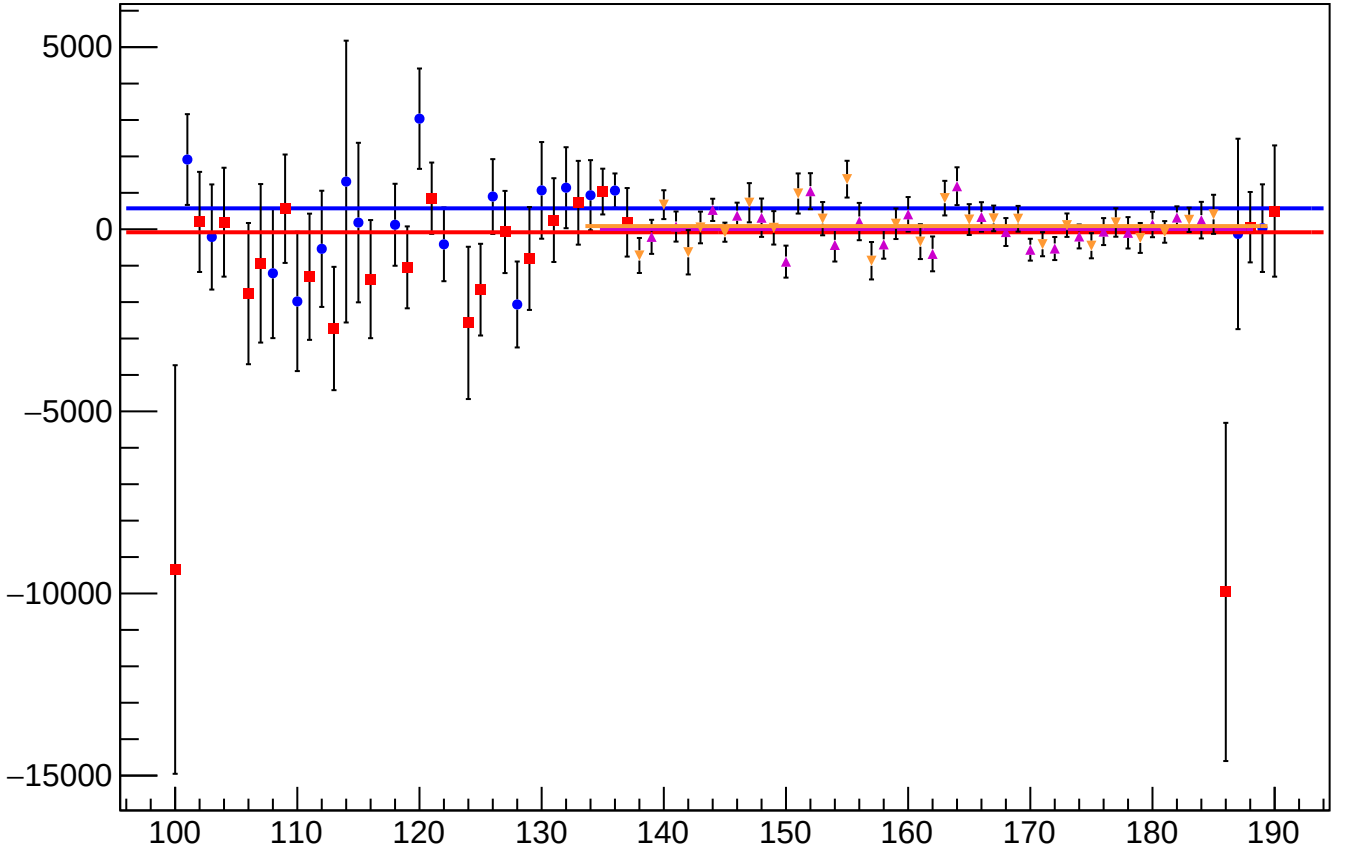
Right: 84.587+/-0.015 χ^2/NDF: 2001455.6/39

In: 66.252+/-0.009 χ^2/NDF:2020044.7/40

Out: 66.847+/-0.009 χ^2/NDF:2892546.4/46

All: 66.558+/-0.007 χ^2/NDF: 4914657.4/87

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 574.458+/-265.761 χ^2/NDF: 16.1/17

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -82.903+/-271.365 χ^2/NDF: 20.8/21

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

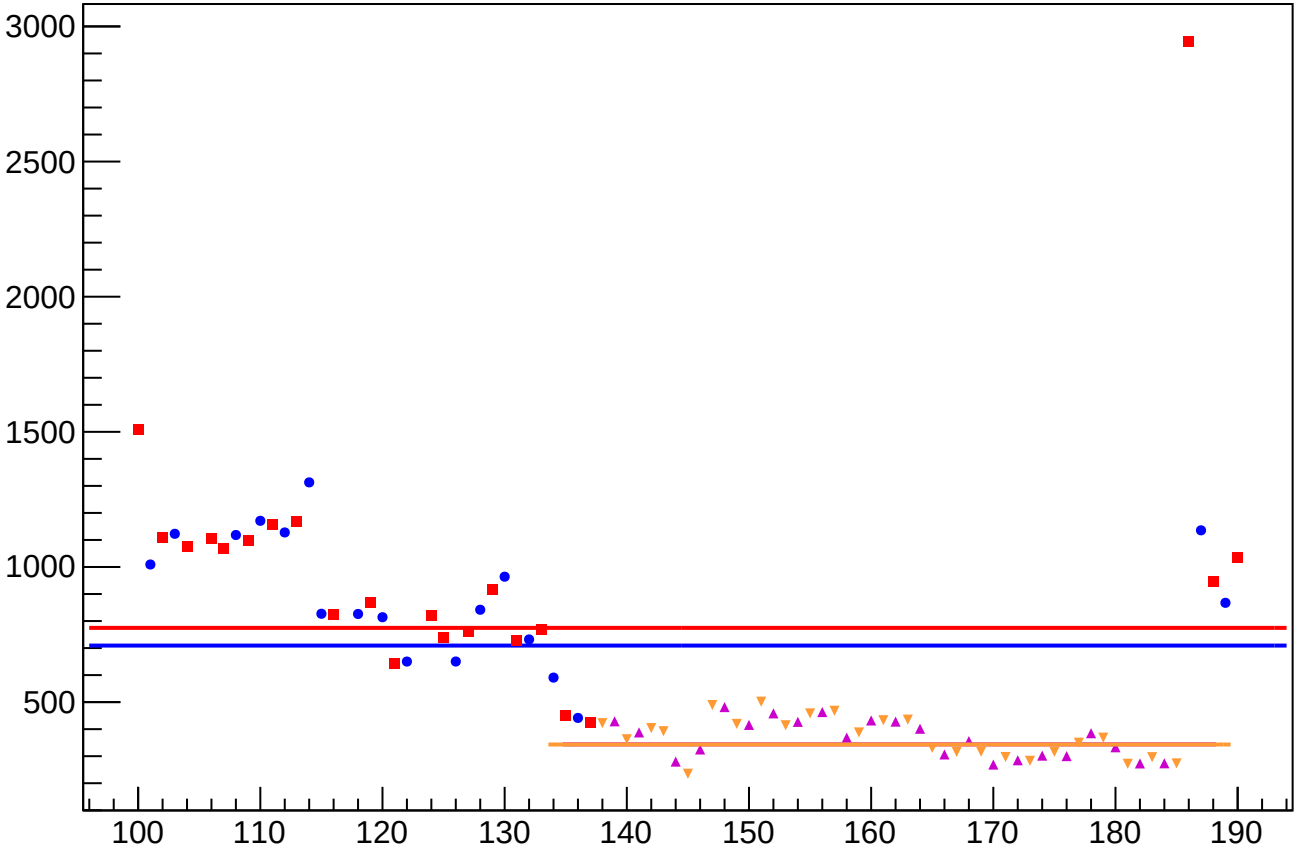
Right: 252.635+/-189.871 χ^2/NDF: 39.9/39

In: 55.990+/-78.452 χ^2/NDF:52.7/40

Out: 73.452+/-76.591 χ^2/NDF:52.8/46

All: 64.930+/-54.804 χ^2/NDF: 105.5/87

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 709.253+/-0.188 χ^2/NDF: 1607651.3/17

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 774.740+/-0.192 χ^2/NDF: 2060438.3/21

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

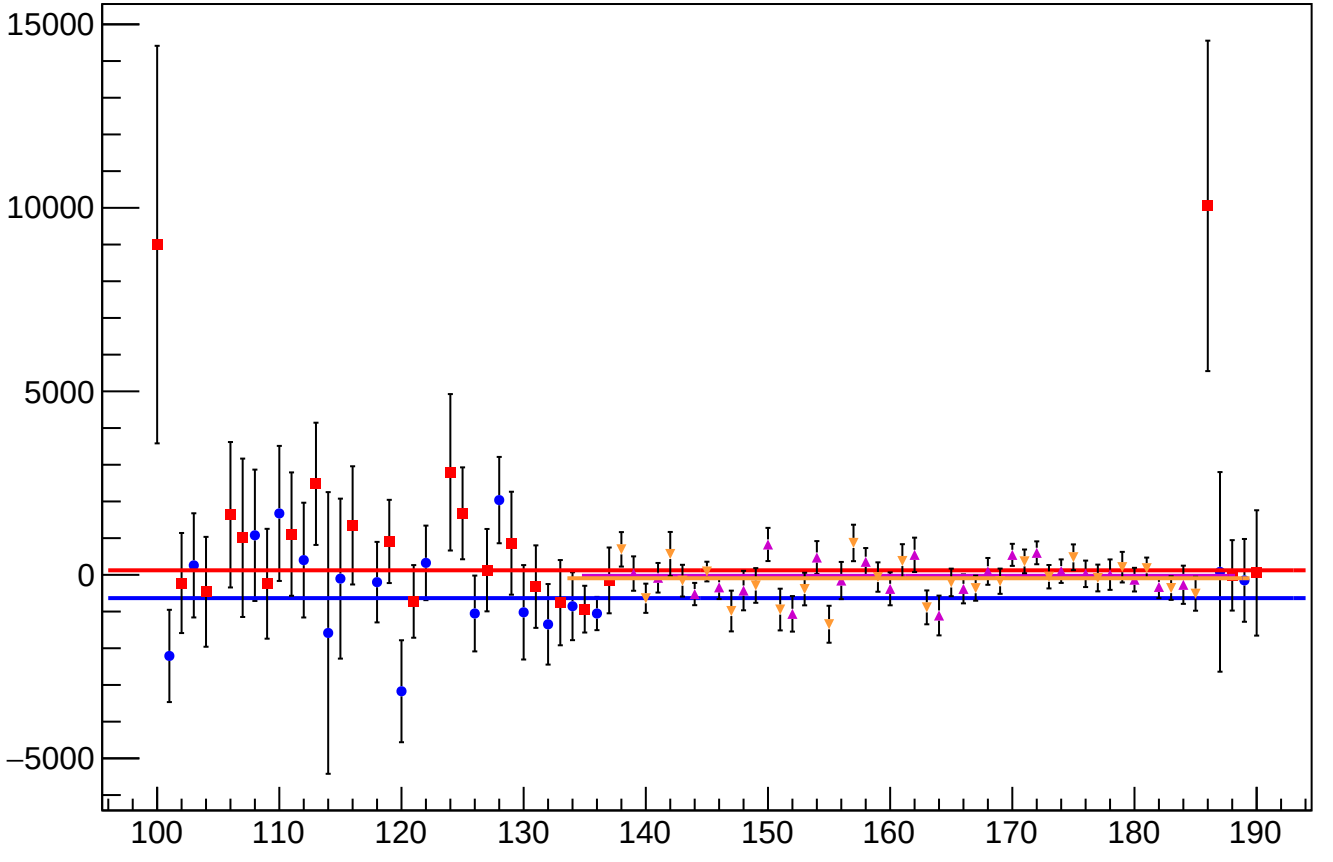
Right: 741.314+/-0.134 χ^2/NDF: 3727542.3/39

In: 375.570+/-0.055 χ^2/NDF:6319977.3/40

Out: 377.600+/-0.054 χ^2/NDF:8310253.7/46

All: 376.609+/-0.039 χ^2/NDF: 14630916.4/87

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -634.155+/-259.963 χ^2/NDF: 16.4/17

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 123.818+/-270.038 χ^2/NDF: 19.7/21

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

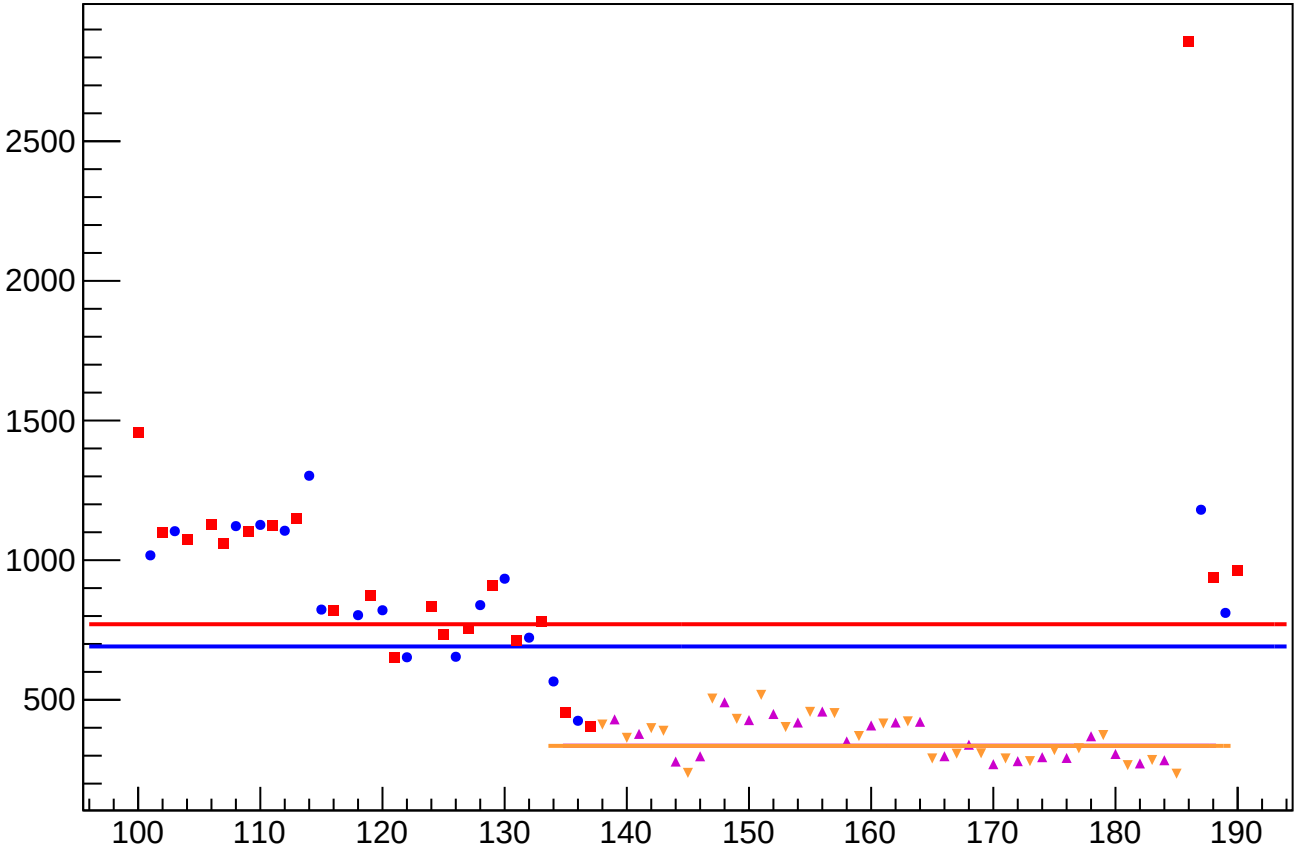
Right: -269.572+/-187.282 χ^2/NDF: 40.2/39

In: -79.932+/-76.642 χ^2/NDF:52.3/40

Out: -75.927+/-75.100 χ^2/NDF:54.5/46

All: -77.889+/-53.641 χ^2/NDF: 106.8/87

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 691.047+/-0.184 χ^2/NDF: 1692144.0/17

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 770.665+/-0.191 χ^2/NDF: 2039558.2/21

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

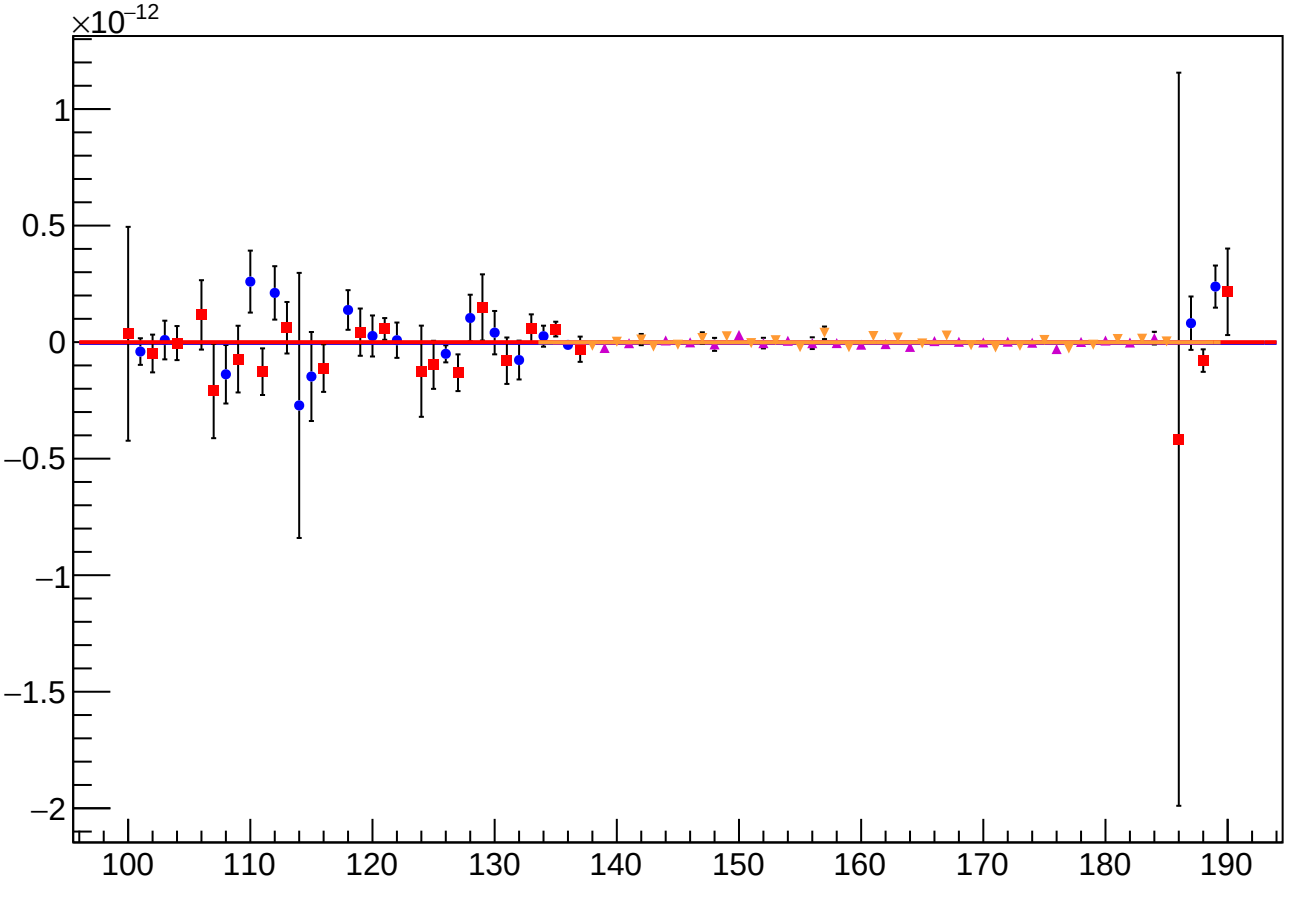
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 729.343+/-0.132 χ^2/NDF: 3821936.2/39

In: 366.666+/-0.054 χ^2/NDF:6393938.9/40

Out: 368.834+/-0.053 χ^2/NDF:8545398.7/46

All: 367.772+/-0.038 χ^2/NDF: 14940154.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/21

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

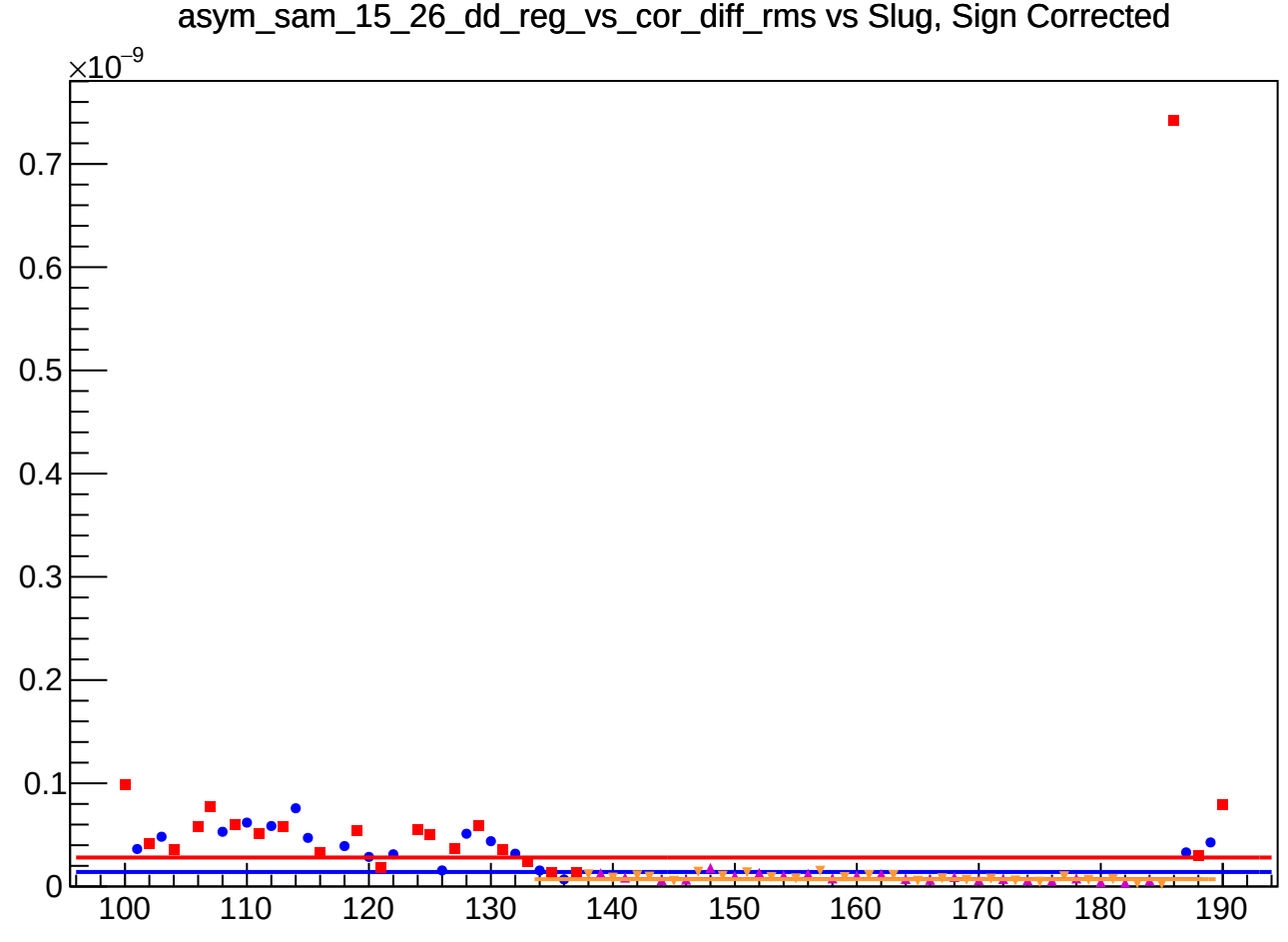
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

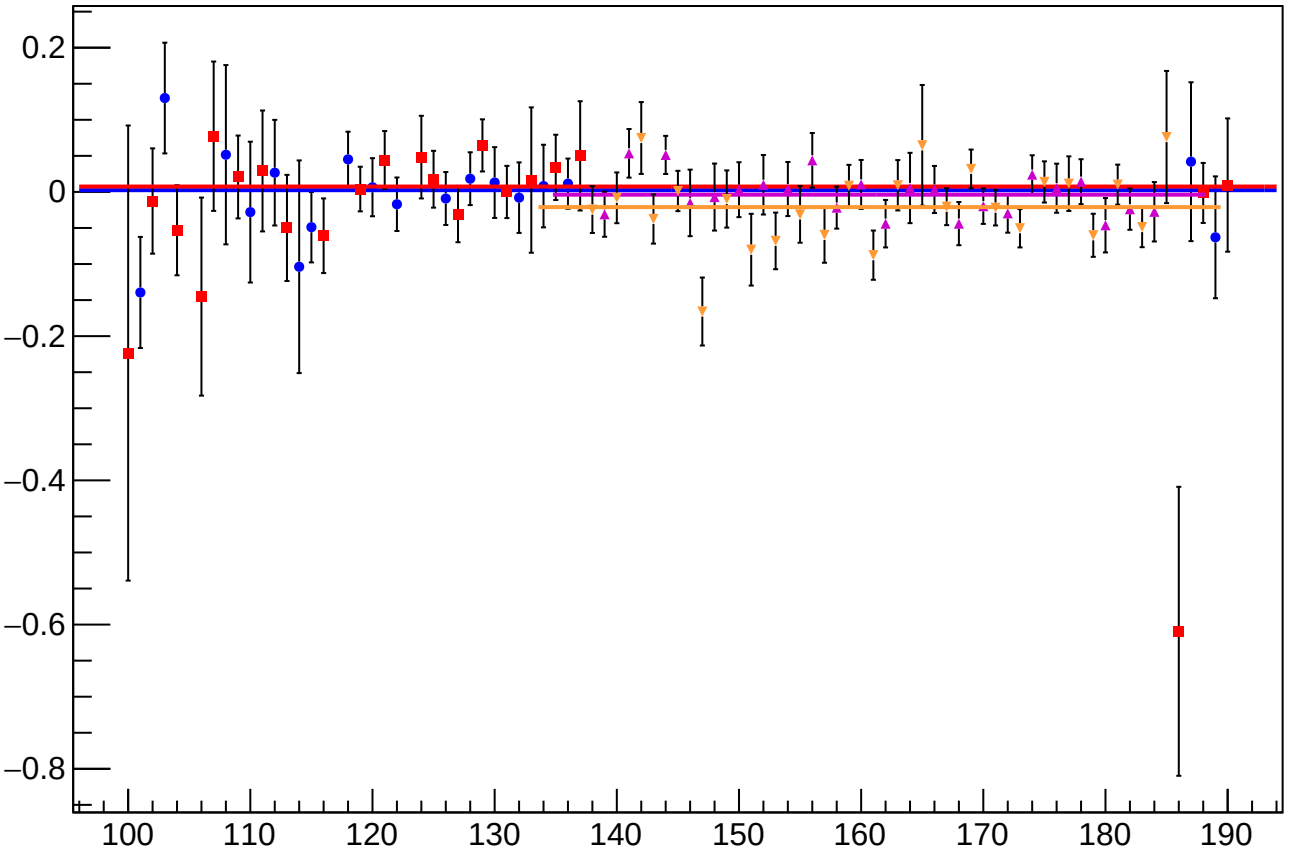
Right: -0.000+/-0.000 χ^2/NDF: 46.4/39

In: -0.000+/-0.000 χ^2/NDF:39.8/40

Out: -0.000+/-0.000 χ^2/NDF:54.6/46

All: -0.000+/-0.000 χ^2/NDF: 94.5/87


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3305922.0/17
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2311023.6/21
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
Left: 0.000+/-0.000 χ²/NDF: 3606525.6/47
Right: 0.000+/-0.000 χ²/NDF: 6674869.7/39
In: 0.000+/-0.000 χ²/NDF:5723929.8/40
Out: 0.000+/-0.000 χ²/NDF:7558459.4/46
All: 0.000+/-0.000 χ²/NDF: 13282531.0/87



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/21

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

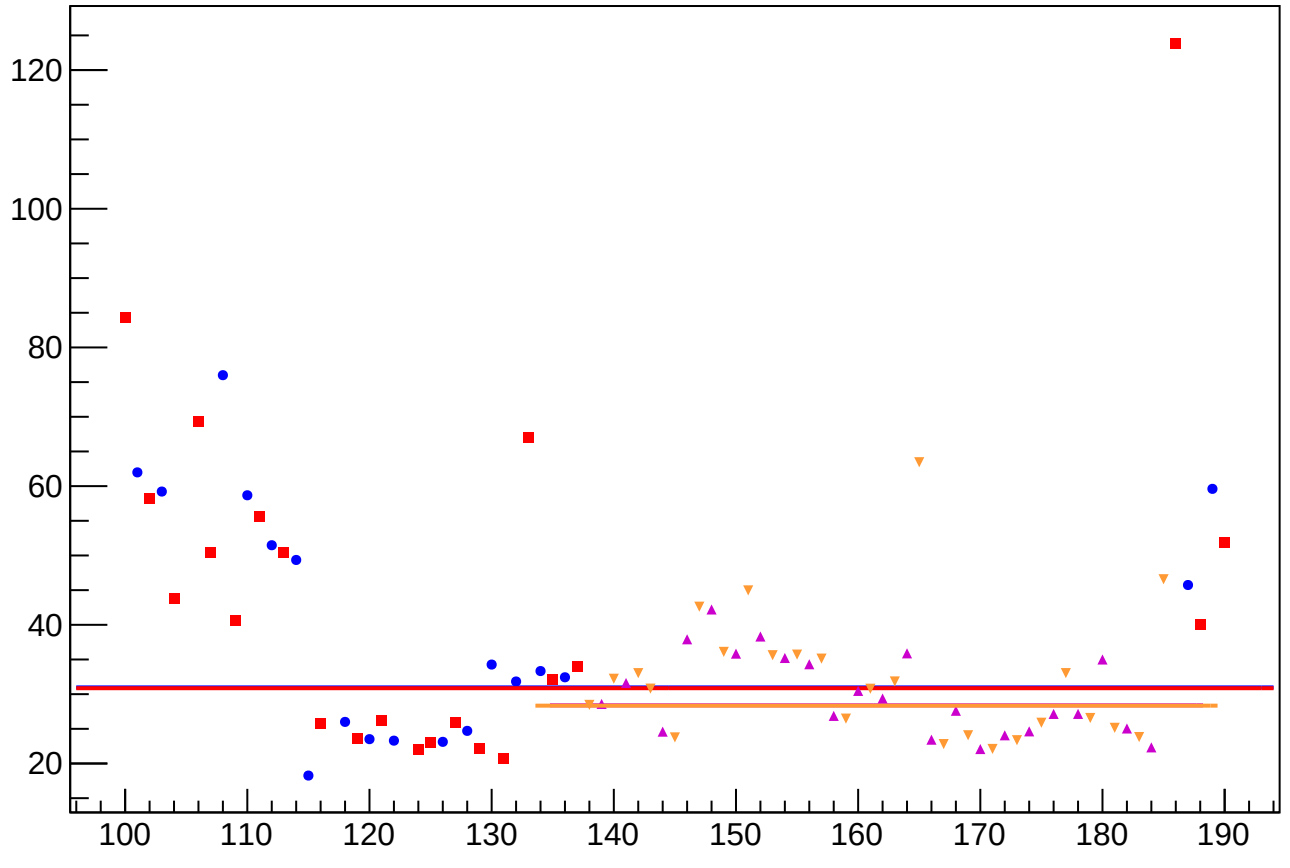
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.005+/-0.008 χ^2/NDF: 31.8/39

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/46

All: -0.008+/-0.004 χ^2/NDF: 94.4/87



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 30.859+/-0.008 χ^2/NDF: 2508475.4/21

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

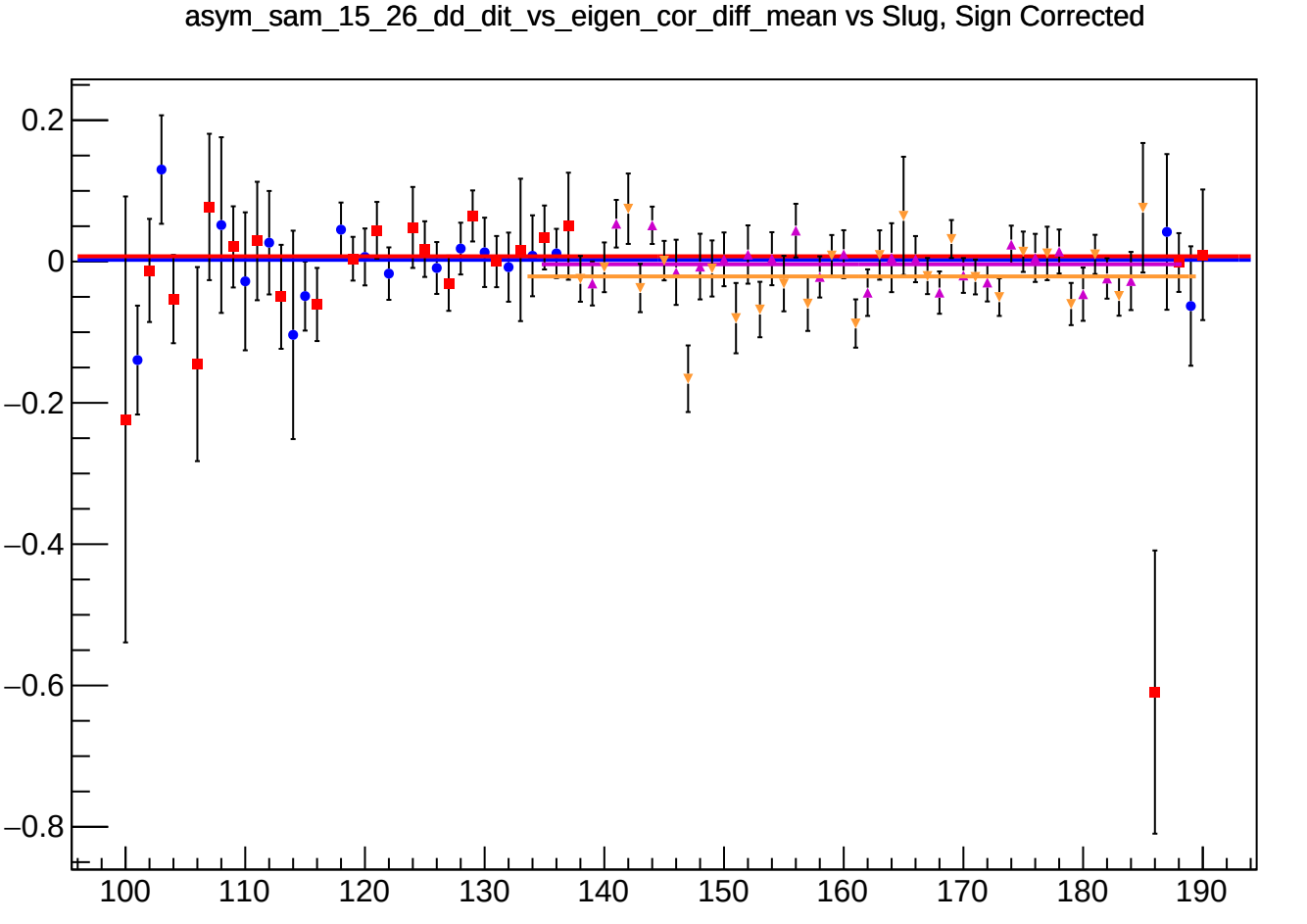
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.913+/-0.006 χ^2/NDF: 4469758.7/39

In: 29.020+/-0.004 χ^2/NDF:3129325.7/40

Out: 28.995+/-0.004 χ^2/NDF:4316013.9/46

All: 29.007+/-0.003 χ^2/NDF: 7445357.2/87



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/21

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

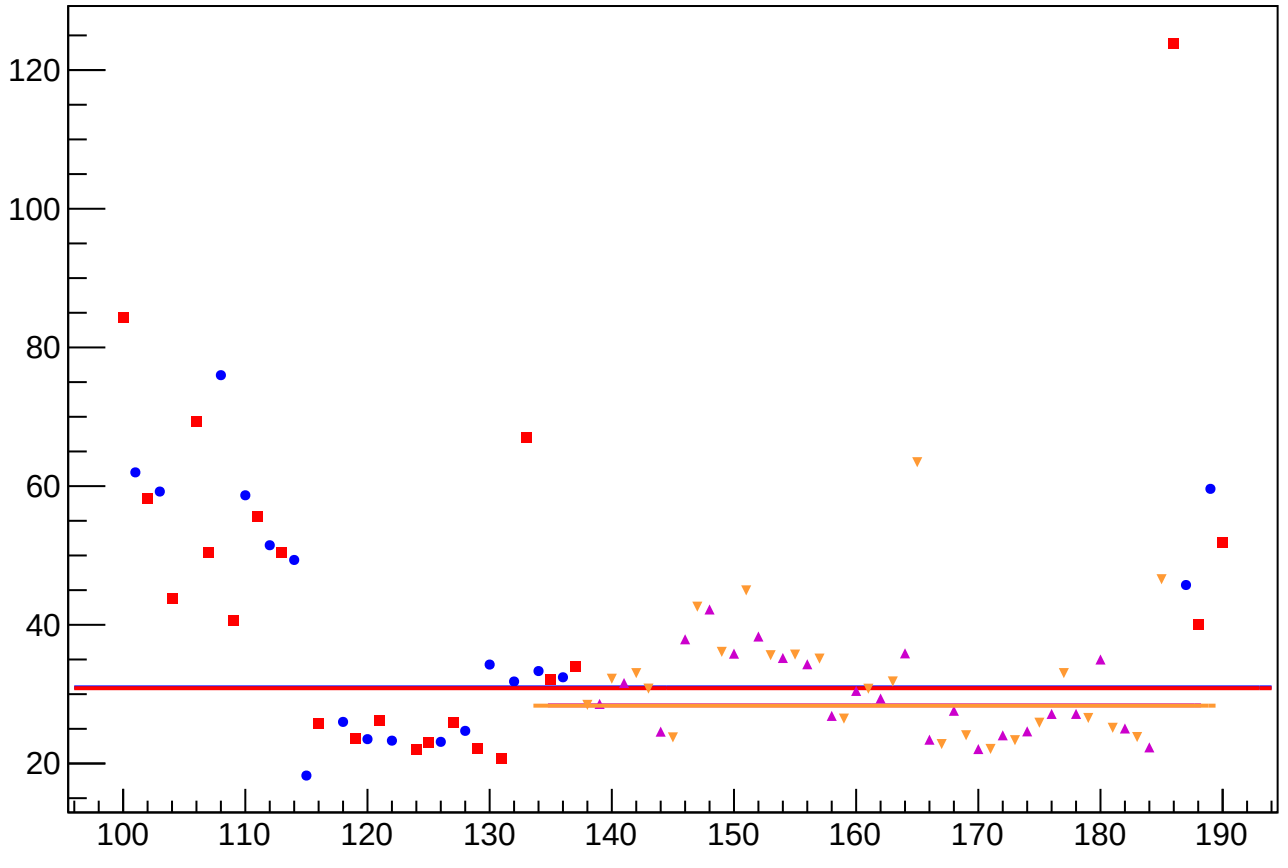
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.005+/-0.008 χ^2/NDF: 31.8/39

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/46

All: -0.008+/-0.004 χ^2/NDF: 94.4/87



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 30.859+/-0.008 χ^2/NDF: 2508475.4/21

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

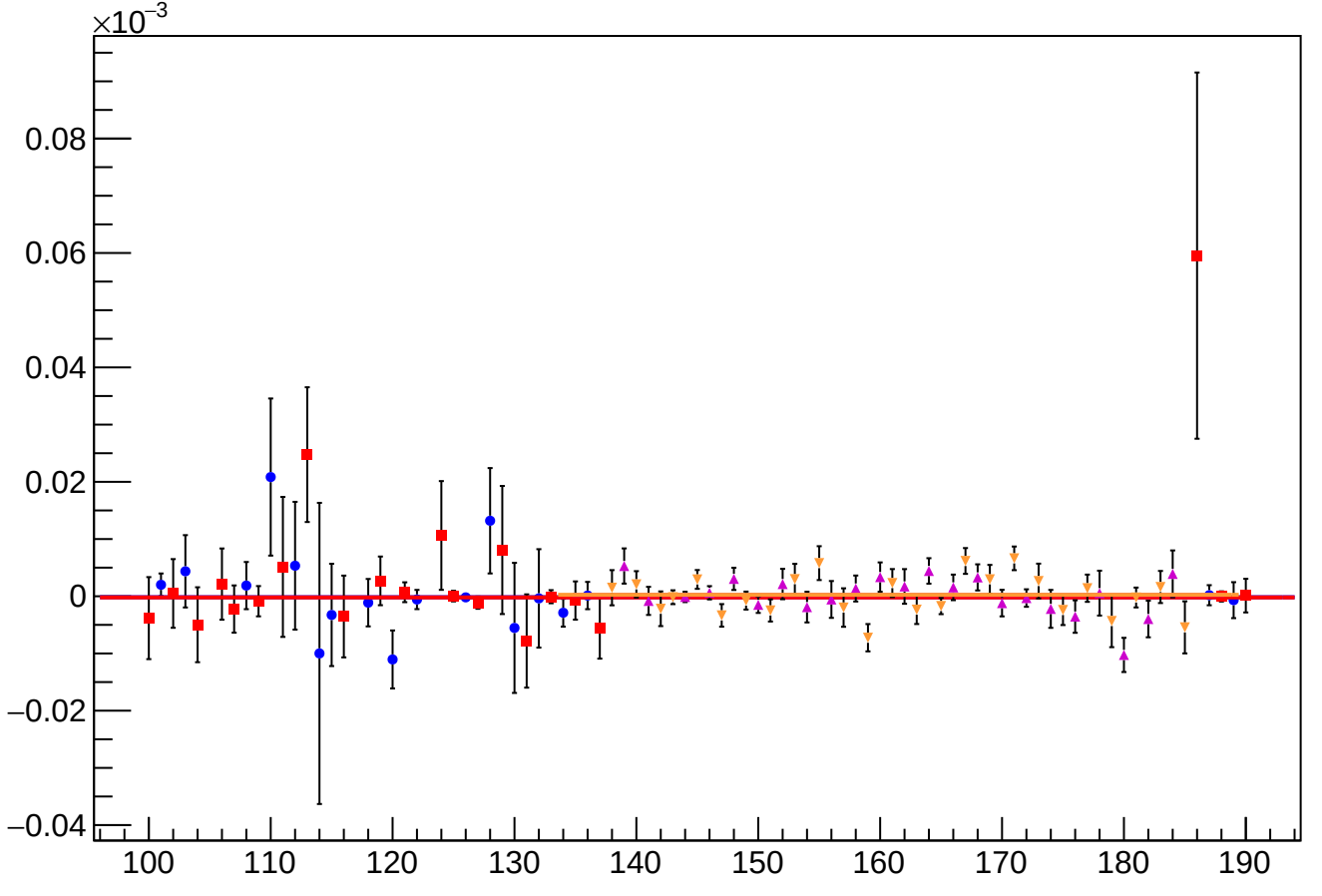
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.913+/-0.006 χ^2/NDF: 4469758.7/39

In: 29.020+/-0.004 χ^2/NDF:3129325.7/40

Out: 28.995+/-0.004 χ^2/NDF:4316013.9/46

All: 29.007+/-0.003 χ^2/NDF: 7445357.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

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

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

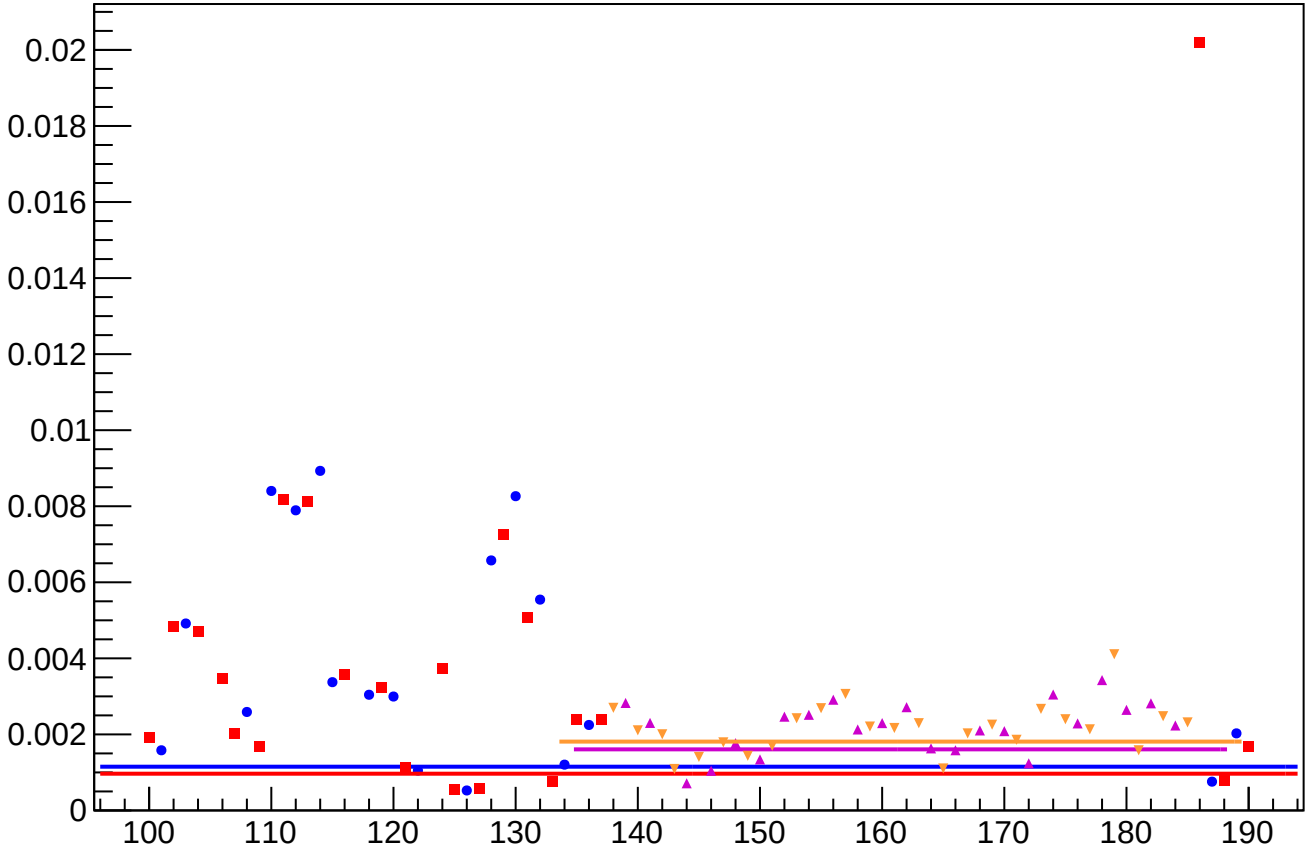
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

Right: -0.000+/-0.000 χ^2/NDF: 28.2/39

In: 0.000+/-0.000 χ^2/NDF:46.7/40

Out: 0.000+/-0.000 χ^2/NDF:66.3/46

All: 0.000+/-0.000 χ^2/NDF: 113.1/87



Right In: 0.001+/-0.000 χ^2/NDF: 7138933.7/17

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7864625.3/21

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

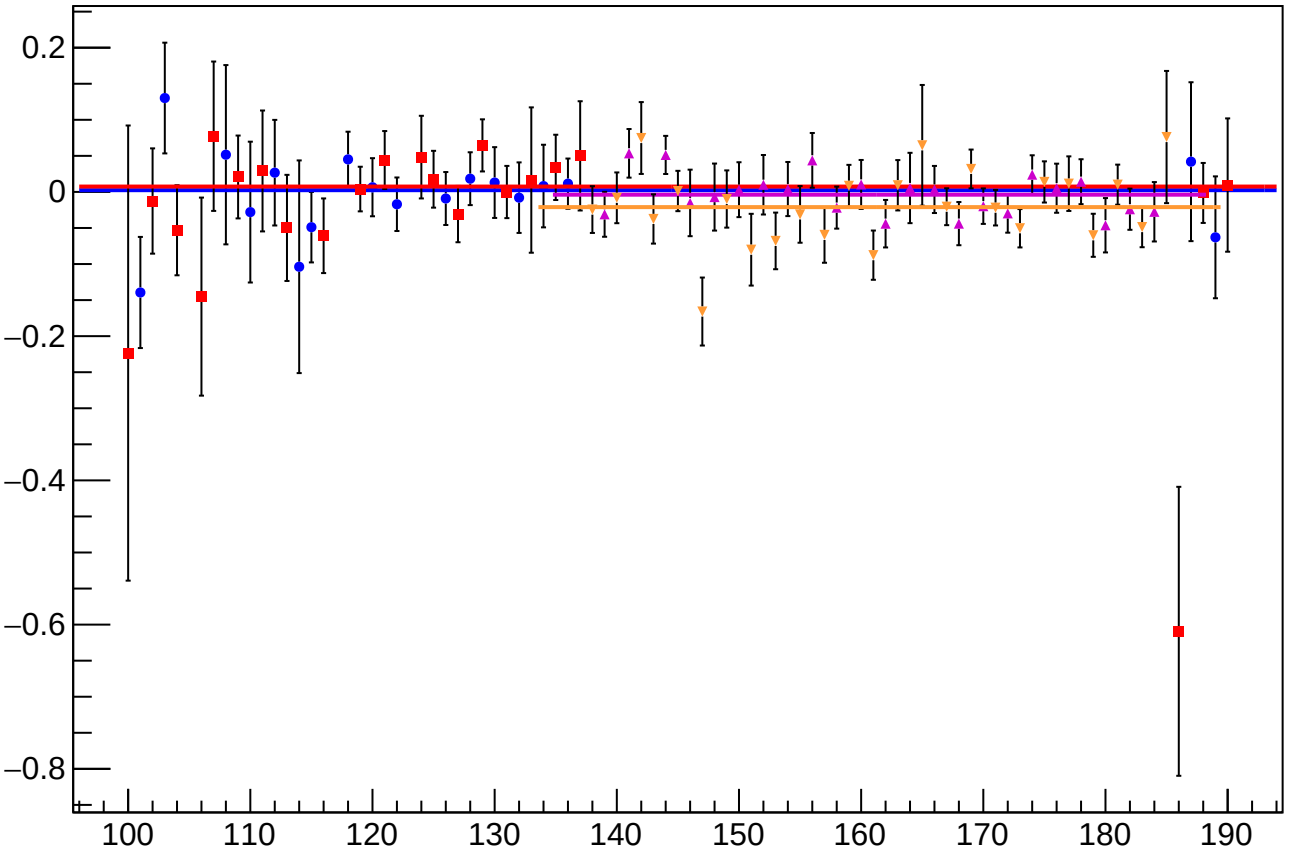
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 15133221.8/39

In: 0.001+/-0.000 χ^2/NDF:13996904.1/40

Out: 0.001+/-0.000 χ^2/NDF:14977726.7/46

All: 0.001+/-0.000 χ^2/NDF: 28994159.4/87



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/21

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

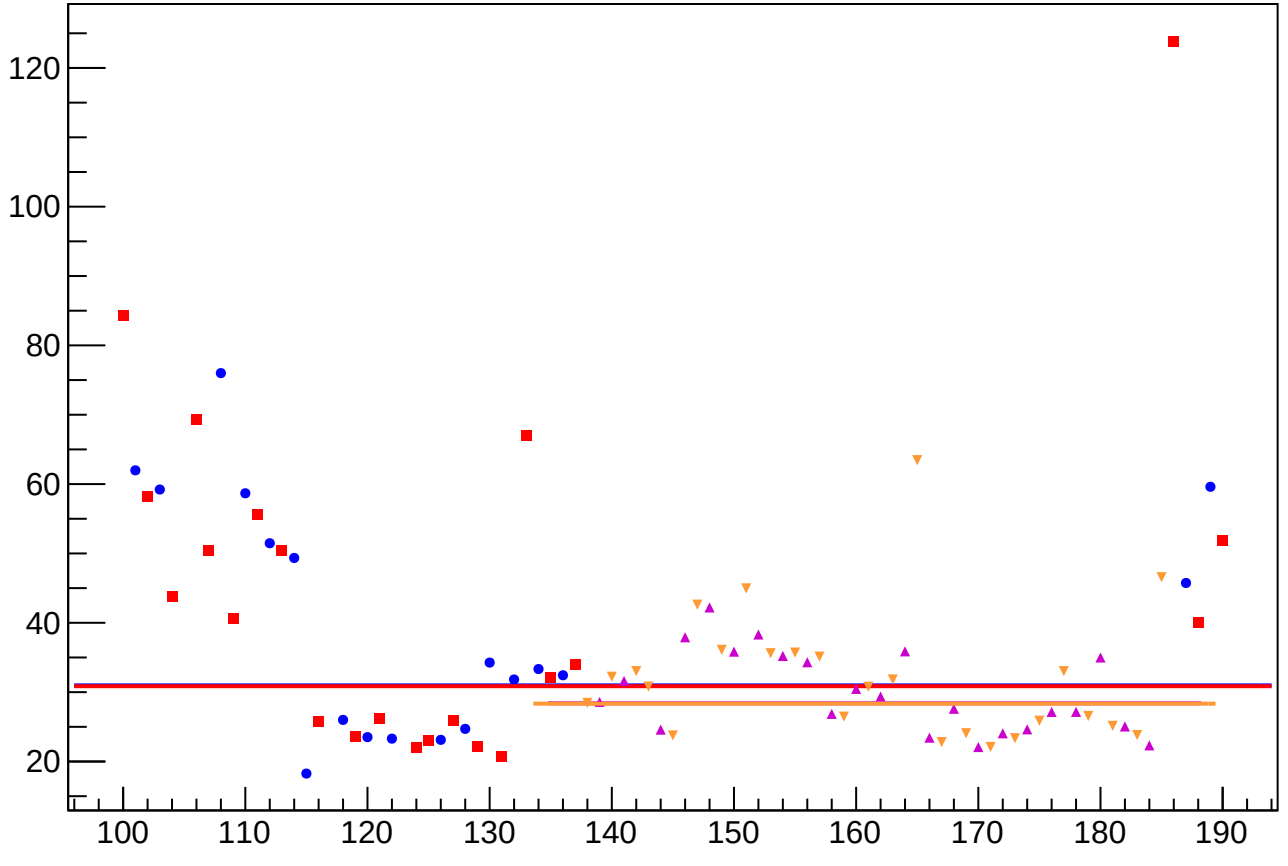
Right: 0.005+/-0.008 χ^2/NDF: 31.8/39

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/46

All: -0.008+/-0.004 χ^2/NDF: 94.4/87

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 30.858+/-0.008 χ^2/NDF: 2508457.4/21

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

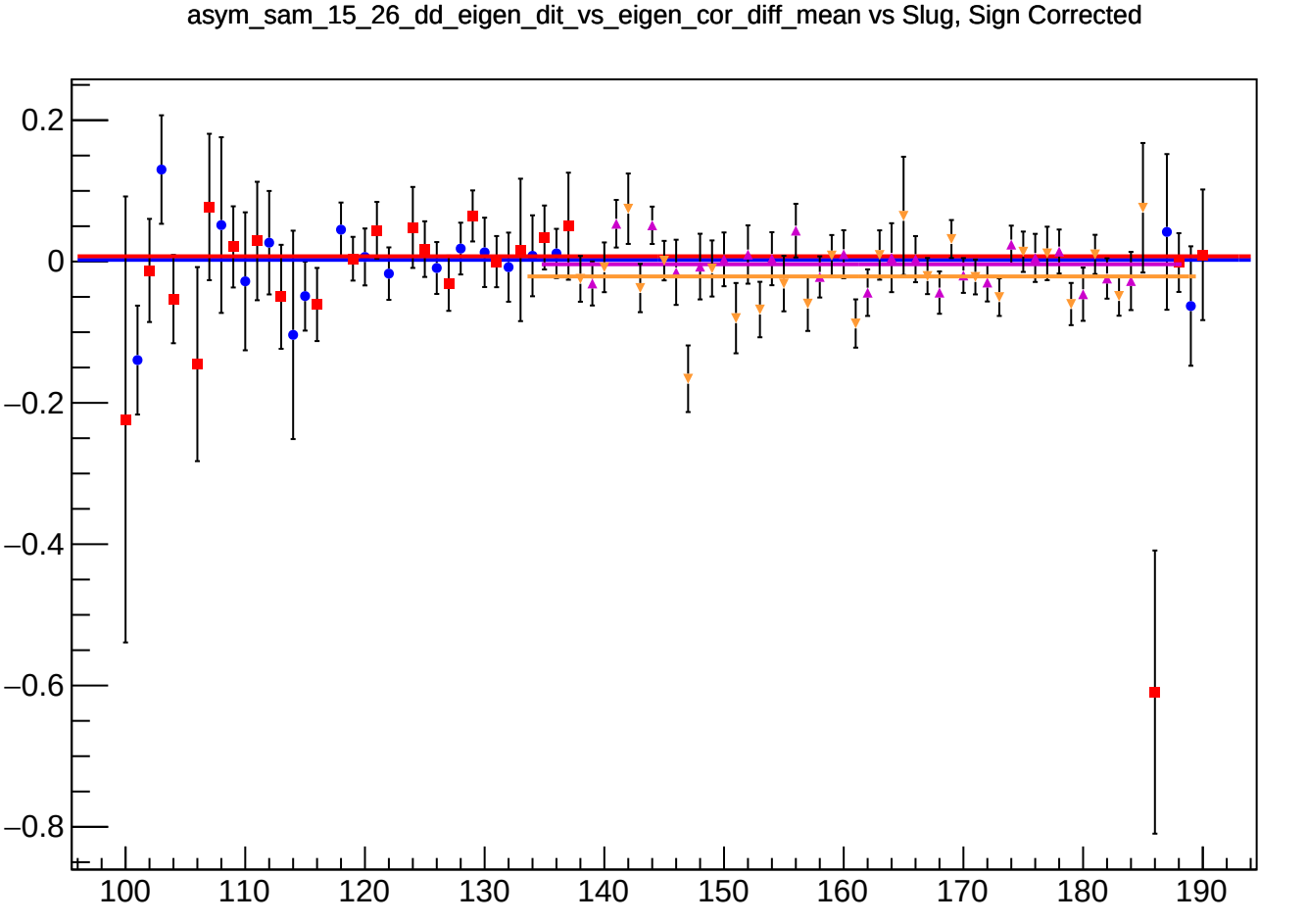
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.913+/-0.006 χ^2/NDF: 4469580.5/39

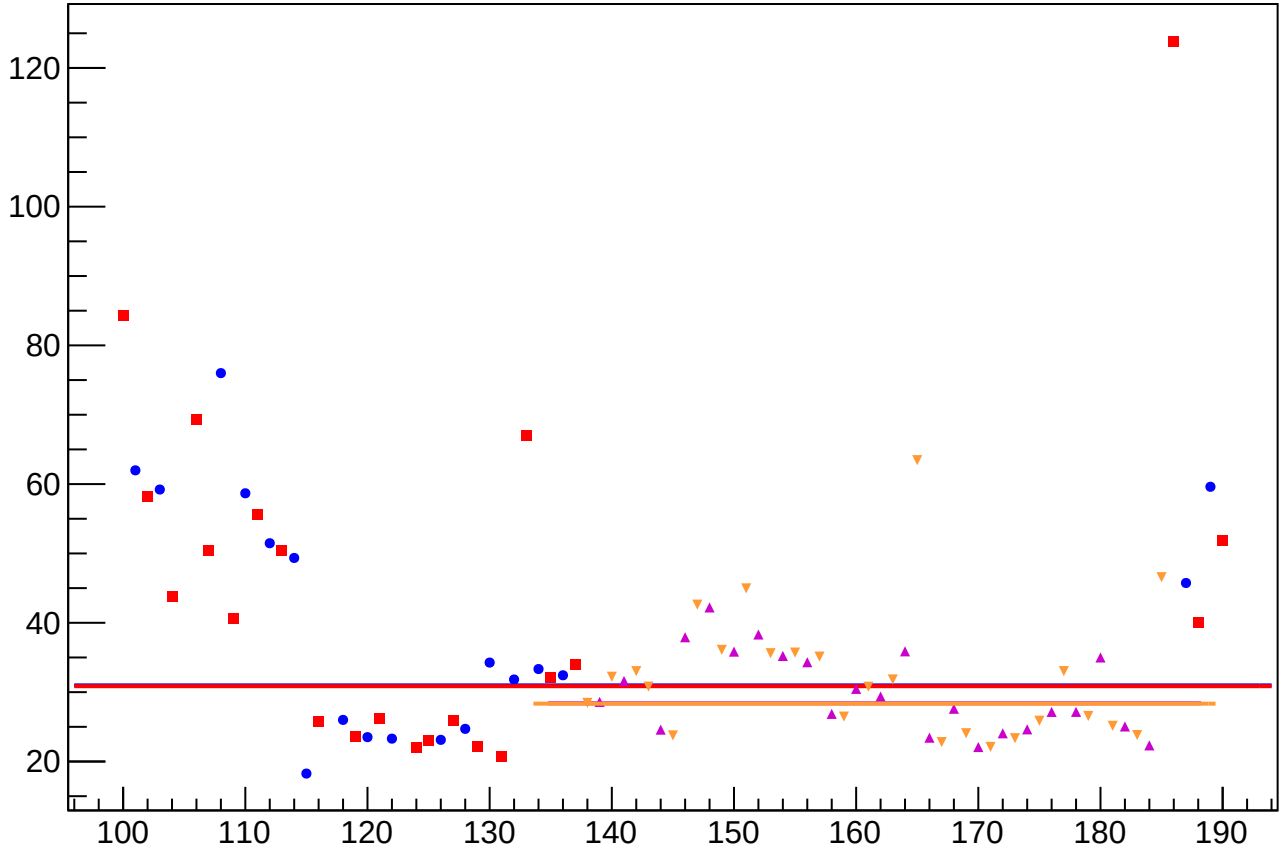
In: 29.020+/-0.004 χ^2/NDF:3129156.7/40

Out: 28.995+/-0.004 χ^2/NDF:4315955.5/46

All: 29.007+/-0.003 χ^2/NDF: 7445130.2/87


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.012 χ²/NDF: 10.9/17
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: 0.007+/-0.011 χ²/NDF: 20.8/21
Left In: -0.004+/-0.007 χ²/NDF:18.7/22
Left: -0.013+/-0.005 χ²/NDF: 59.1/47
Right: 0.005+/-0.008 χ²/NDF: 31.8/39
In: -0.002+/-0.006 χ²/NDF:29.7/40
Out: -0.014+/-0.006 χ²/NDF:62.7/46
All: -0.008+/-0.004 χ²/NDF: 94.4/87

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 30.858+/-0.008 χ^2/NDF: 2508457.4/21

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

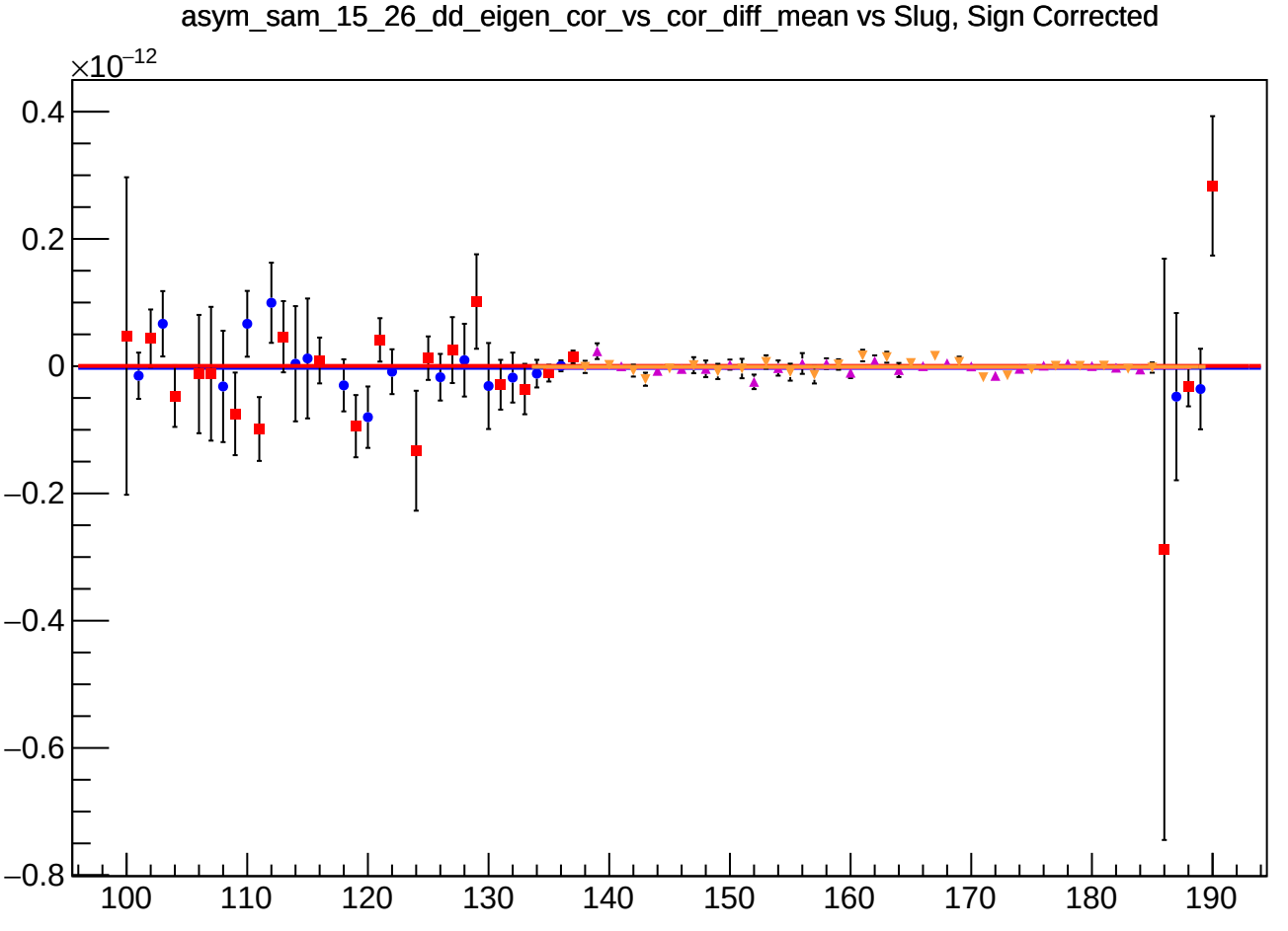
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.913+/-0.006 χ^2/NDF: 4469580.5/39

In: 29.020+/-0.004 χ^2/NDF:3129156.7/40

Out: 28.995+/-0.004 χ^2/NDF:4315955.5/46

All: 29.007+/-0.003 χ^2/NDF: 7445130.2/87



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/21

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

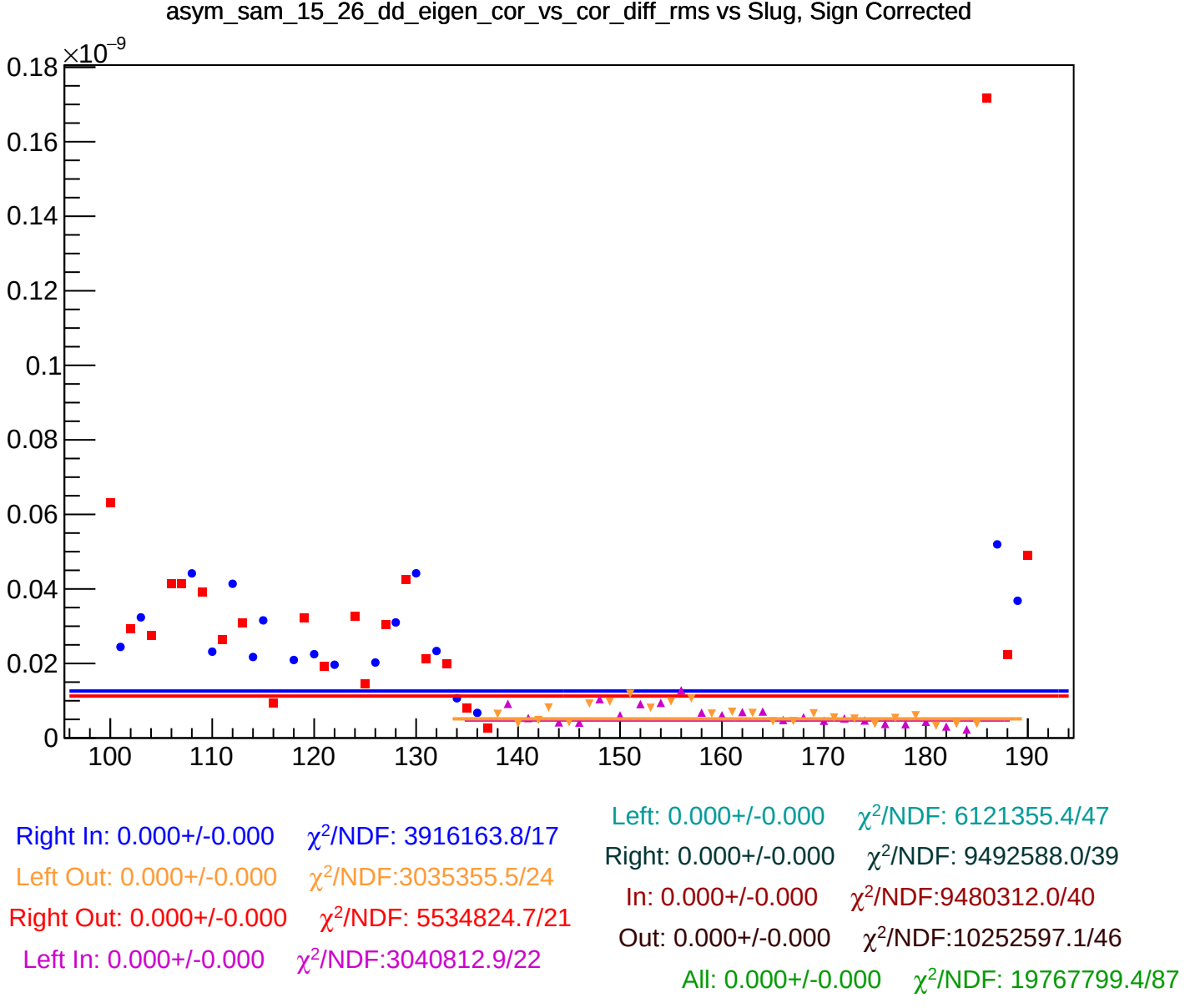
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

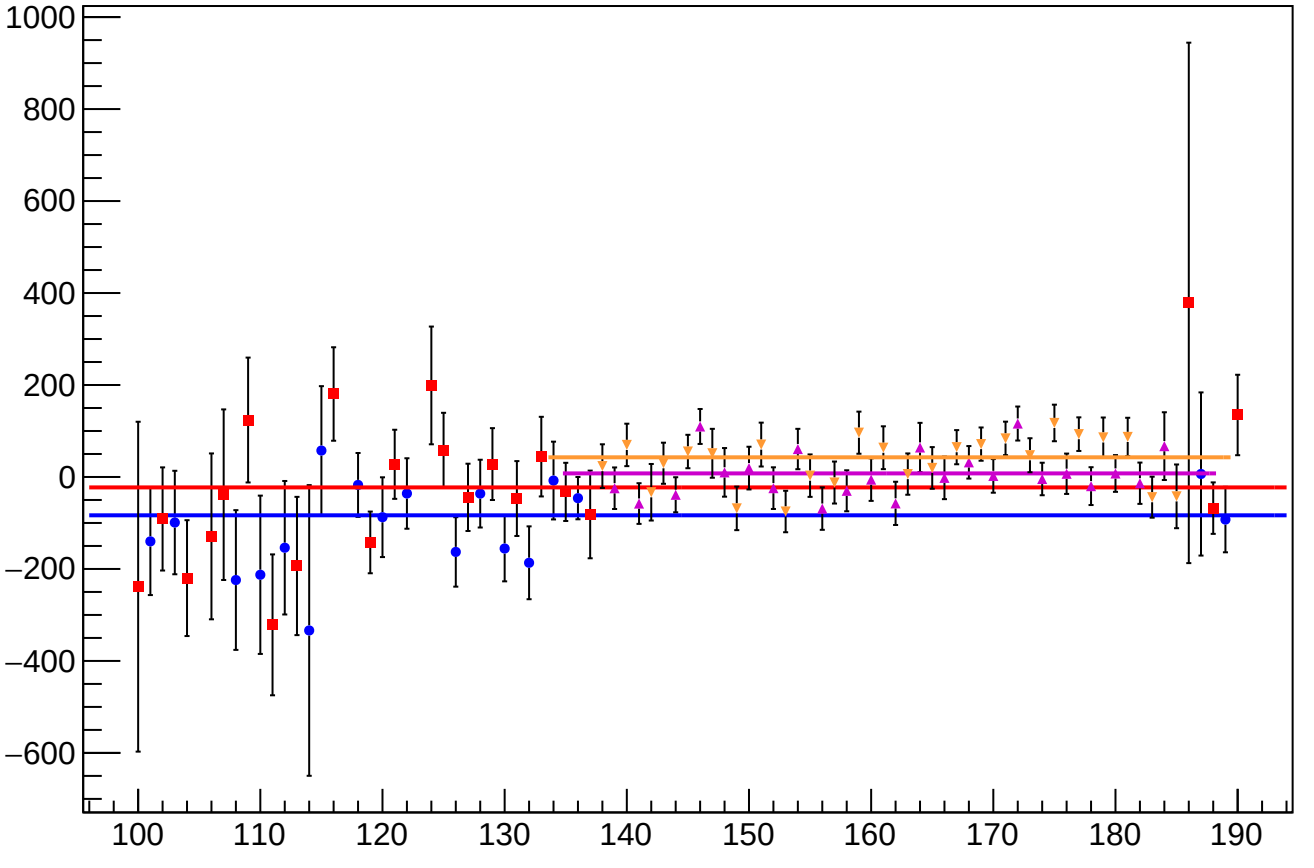
Right: -0.000+/-0.000 χ^2/NDF: 40.5/39

In: -0.000+/-0.000 χ^2/NDF:30.4/40

Out: -0.000+/-0.000 χ^2/NDF:63.7/46

All: -0.000+/-0.000 χ^2/NDF: 94.3/87


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3916163.8/17
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5534824.7/21
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 9492588.0/39
In: 0.000+/-0.000 χ²/NDF:9480312.0/40
Out: 0.000+/-0.000 χ²/NDF:10252597.1/46
All: 0.000+/-0.000 χ²/NDF: 19767799.4/87



Right In: -83.338+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -22.672+/-19.973 χ^2/NDF: 27.4/21

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

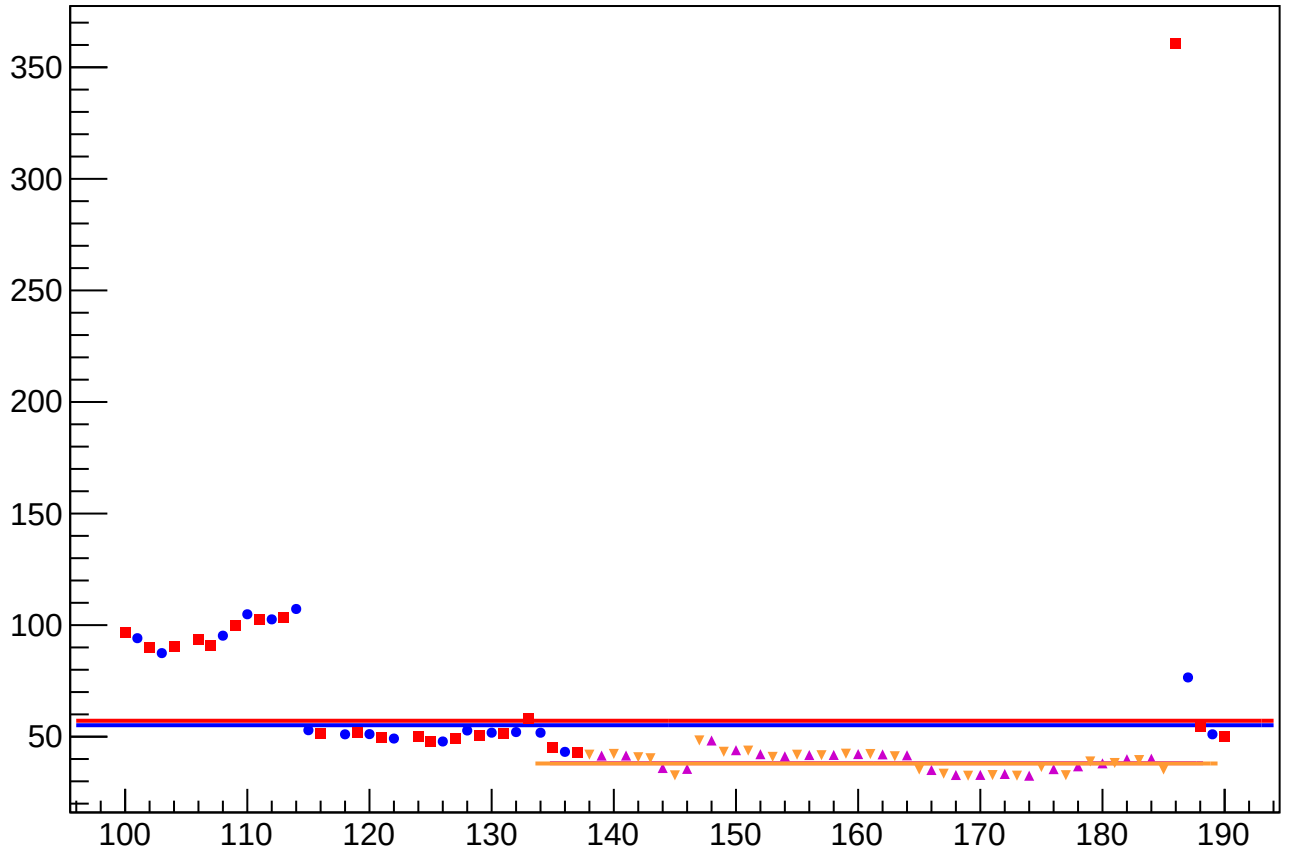
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -52.382+/-14.268 χ^2/NDF: 42.7/39

In: -7.007+/-8.214 χ^2/NDF:58.1/40

Out: 32.333+/-7.975 χ^2/NDF:71.2/46

All: 13.244+/-5.722 χ^2/NDF: 141.1/87



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.6/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.146+/-0.014 χ^2/NDF: 1874267.2/21

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

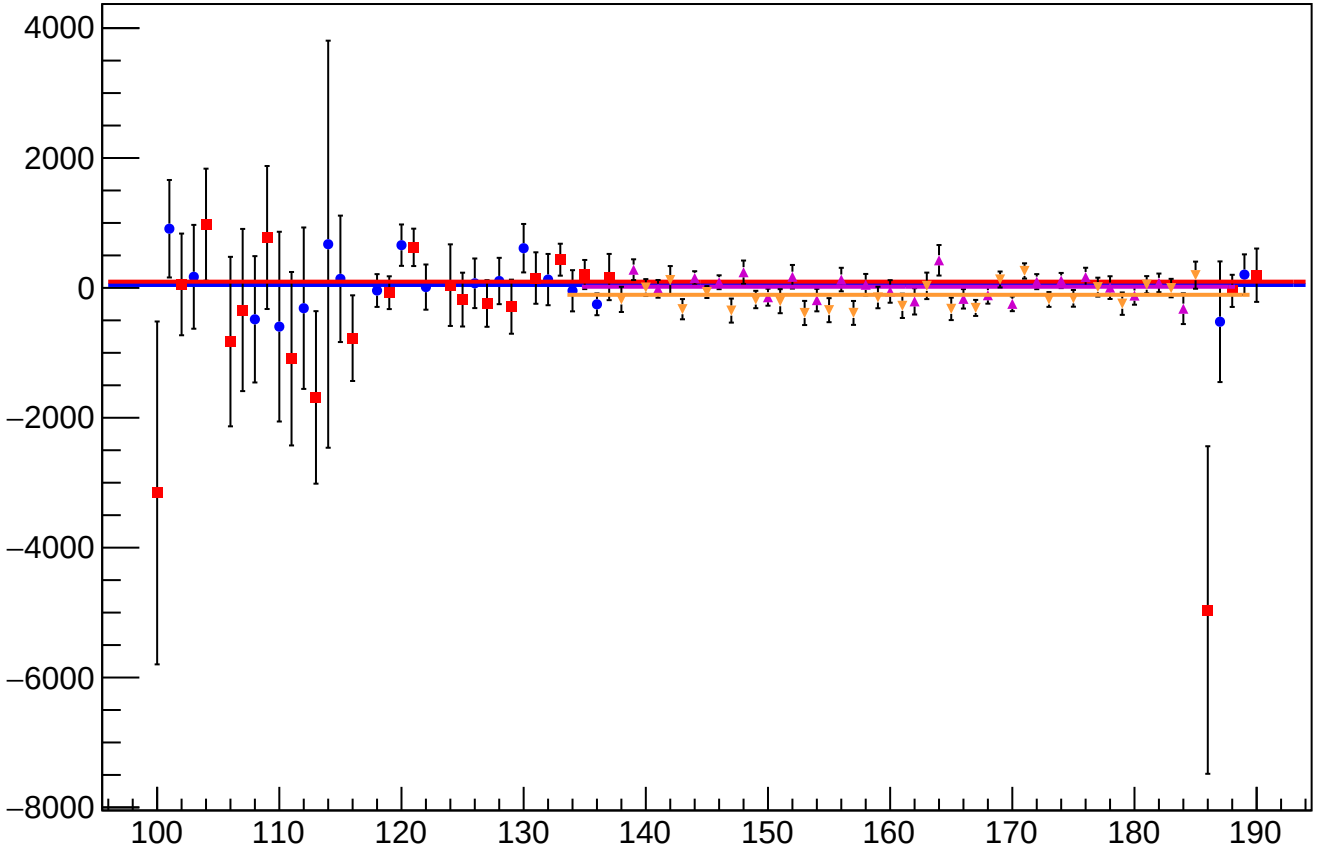
Right: 56.164+/-0.010 χ^2/NDF: 3072399.9/39

In: 40.893+/-0.006 χ^2/NDF:2782529.5/40

Out: 41.044+/-0.006 χ^2/NDF:3934251.1/46

All: 40.971+/-0.004 χ^2/NDF: 6717125.1/87

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 95.991+/-87.275 χ^2/NDF: 20.5/21

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

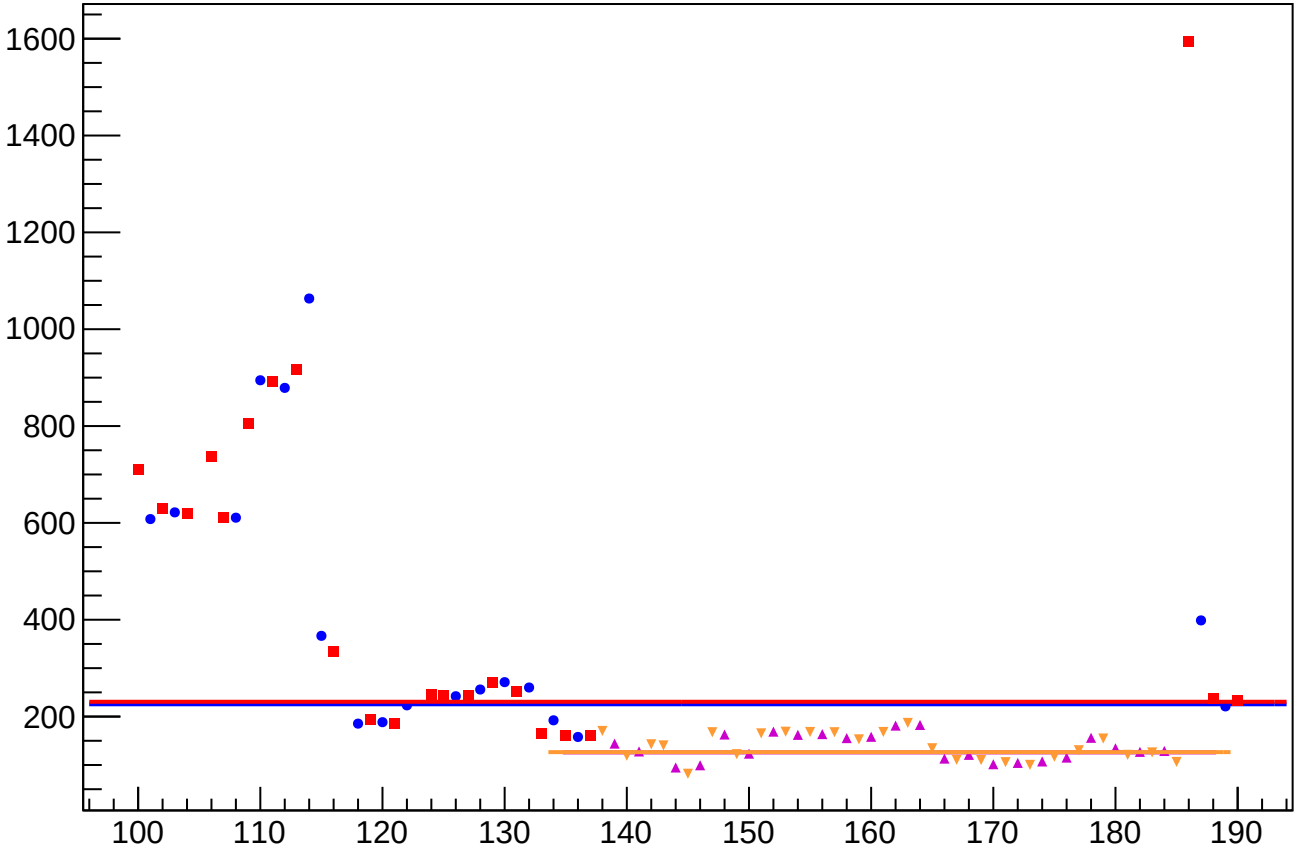
Right: 71.035+/-62.382 χ^2/NDF: 32.7/39

In: 20.337+/-28.593 χ^2/NDF:40.4/40

Out: -85.663+/-28.000 χ^2/NDF:63.0/46

All: -33.772+/-20.005 χ^2/NDF: 110.4/87

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 225.405+/-0.063 χ^2/NDF: 3038390.1/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 230.569+/-0.062 χ^2/NDF: 4228997.7/21

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

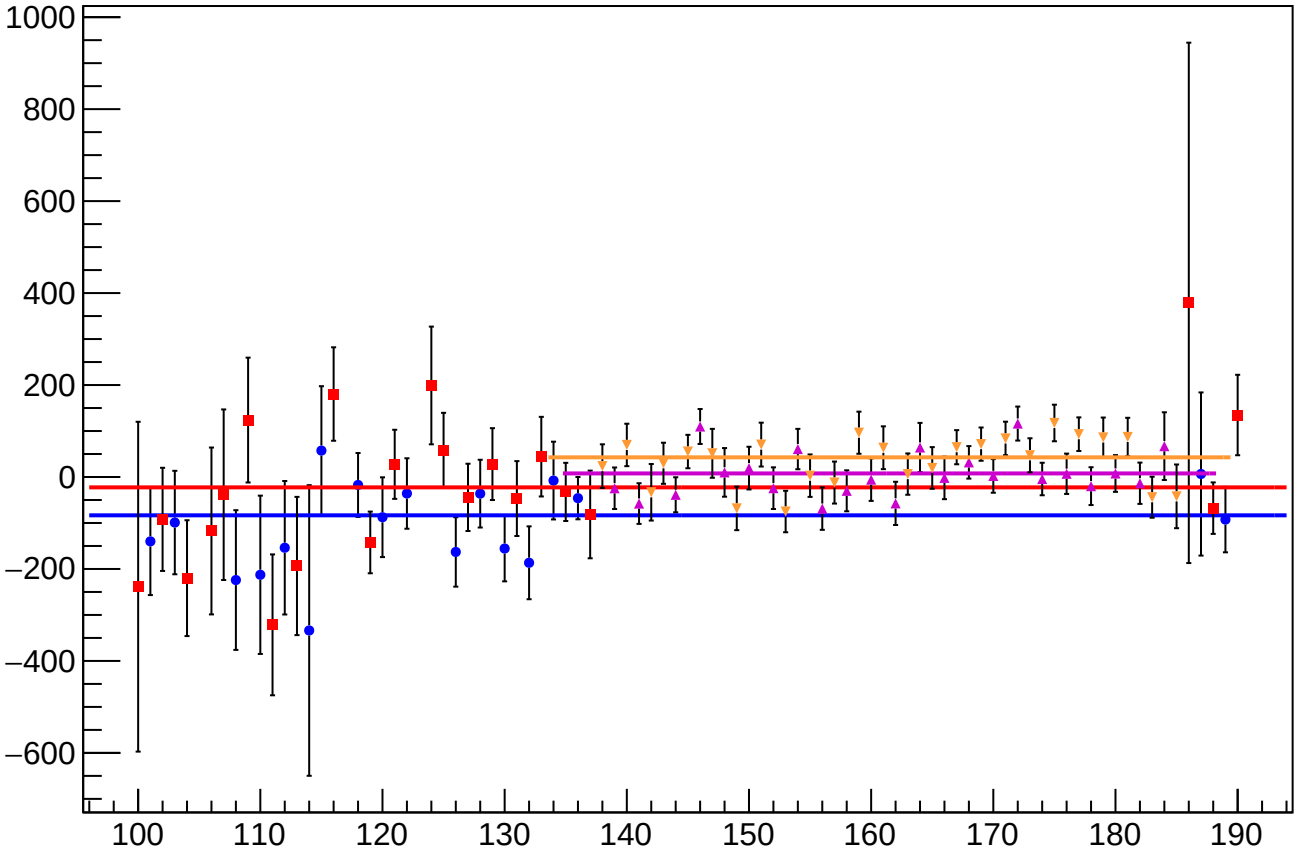
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 228.044+/-0.044 χ^2/NDF: 7270812.5/39

In: 136.226+/-0.020 χ^2/NDF:6677053.5/40

Out: 137.267+/-0.020 χ^2/NDF:8535245.6/46

All: 136.757+/-0.014 χ^2/NDF: 15213652.0/87



Right In: -83.336+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -22.542+/-19.975 χ^2/NDF: 27.3/21

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

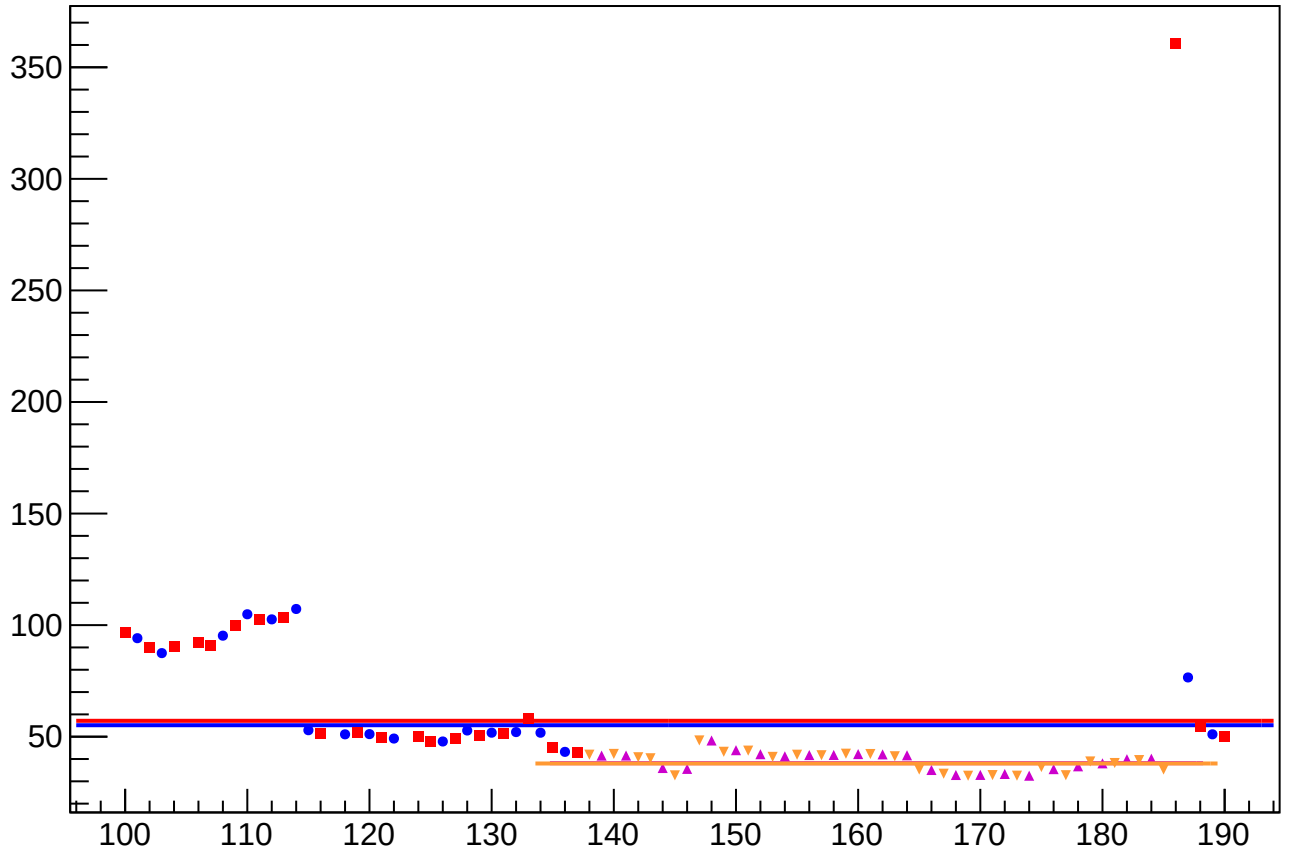
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -52.317+/-14.268 χ^2/NDF: 42.7/39

In: -7.005+/-8.214 χ^2/NDF:58.1/40

Out: 32.357+/-7.975 χ^2/NDF:71.1/46

All: 13.257+/-5.722 χ^2/NDF: 141.0/87



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.122+/-0.014 χ^2/NDF: 1866773.3/21

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

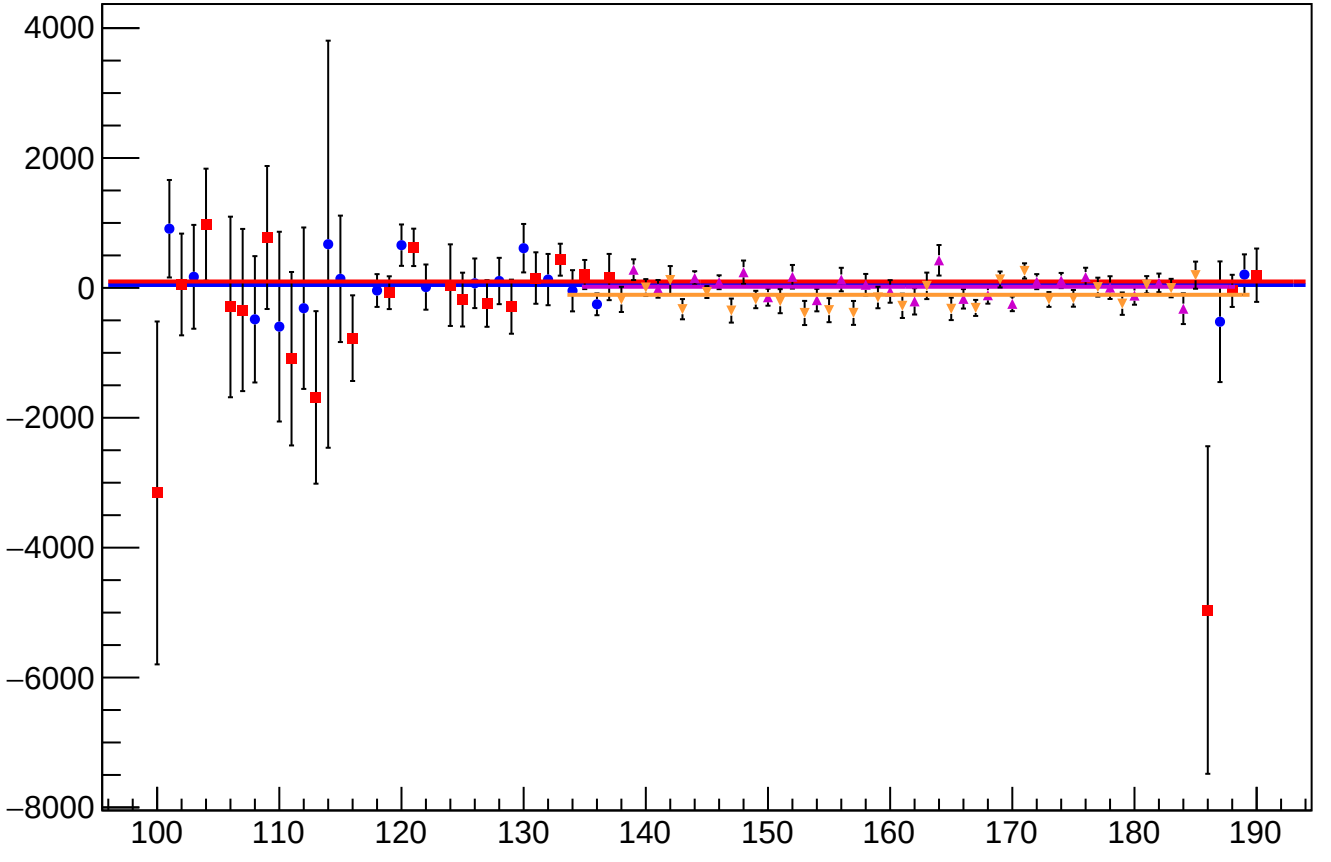
Right: 56.152+/-0.010 χ^2/NDF: 3064673.6/39

In: 40.893+/-0.006 χ^2/NDF:2782529.7/40

Out: 41.039+/-0.006 χ^2/NDF:3922726.9/46

All: 40.968+/-0.004 χ^2/NDF: 6705582.1/87

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 98.566+/-87.299 χ^2/NDF: 20.1/21

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

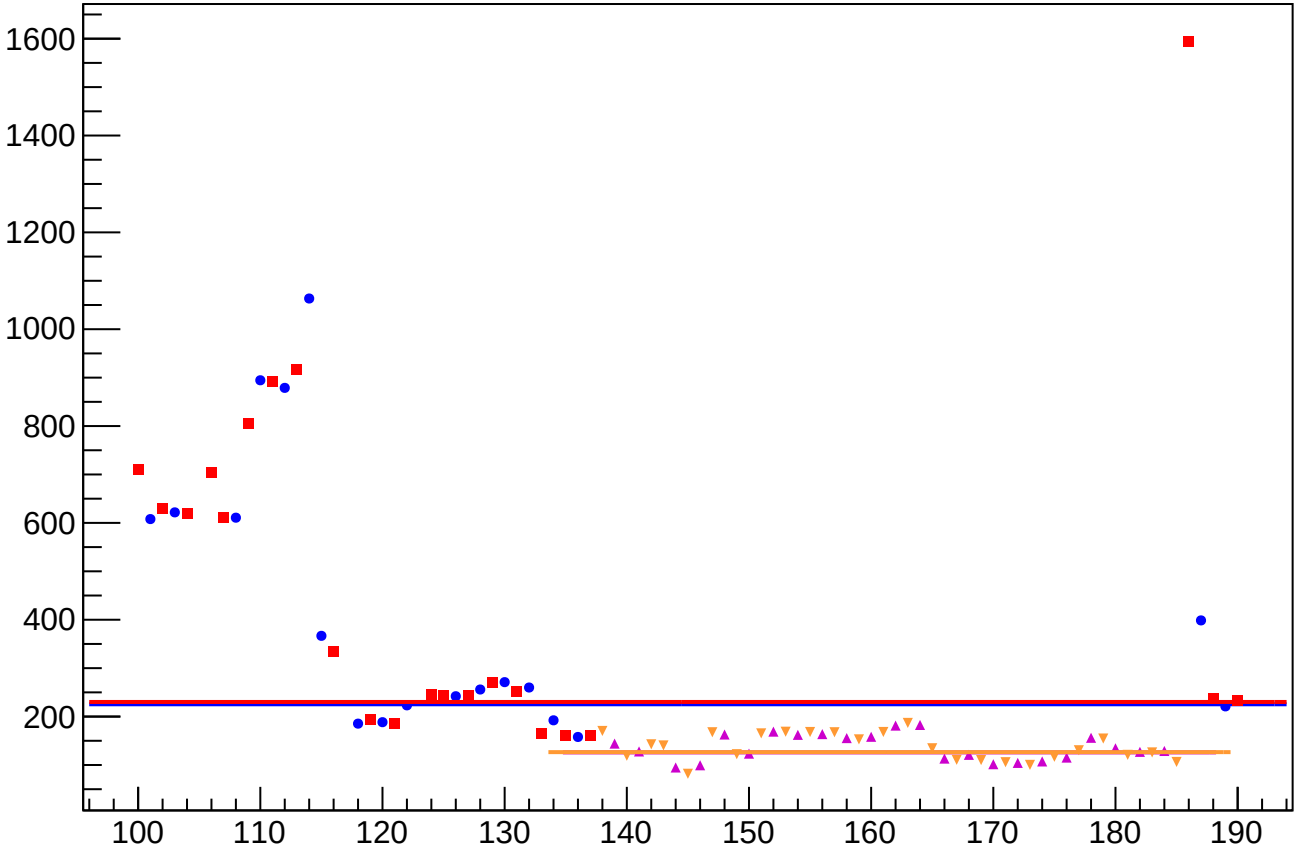
Right: 72.343+/-62.391 χ^2/NDF: 32.3/39

In: 20.338+/-28.593 χ^2/NDF:40.4/40

Out: -85.407+/-28.001 χ^2/NDF:62.7/46

All: -33.639+/-20.006 χ^2/NDF: 110.0/87

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.406+/-0.063 χ^2/NDF: 3038394.9/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.173+/-0.062 χ^2/NDF: 4160968.7/21

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

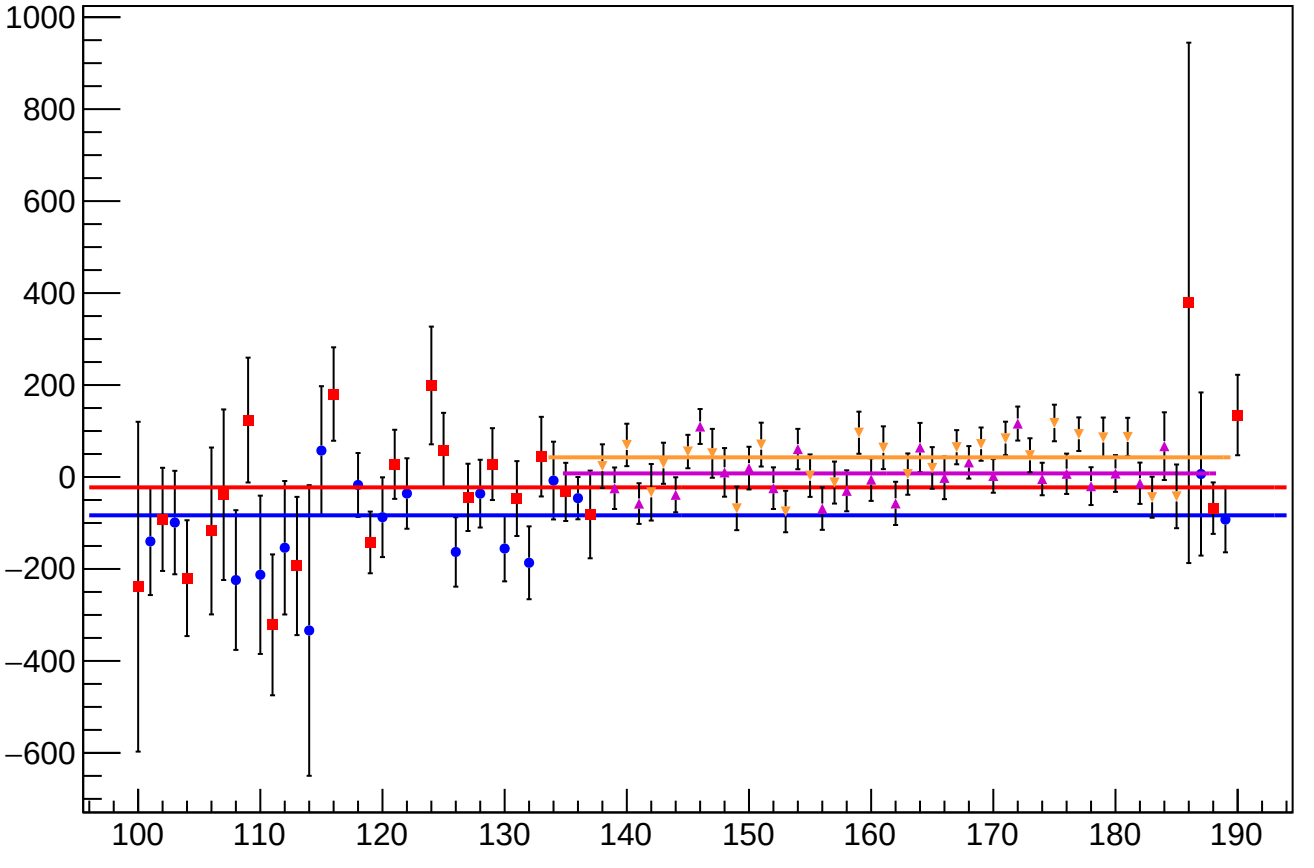
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 227.841+/-0.044 χ^2/NDF: 7202282.1/39

In: 136.226+/-0.020 χ^2/NDF:6677073.8/40

Out: 137.221+/-0.020 χ^2/NDF:8446601.5/46

All: 136.734+/-0.014 χ^2/NDF: 15124911.6/87



Right In: -83.336+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -22.542+/-19.975 χ^2/NDF: 27.3/21

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

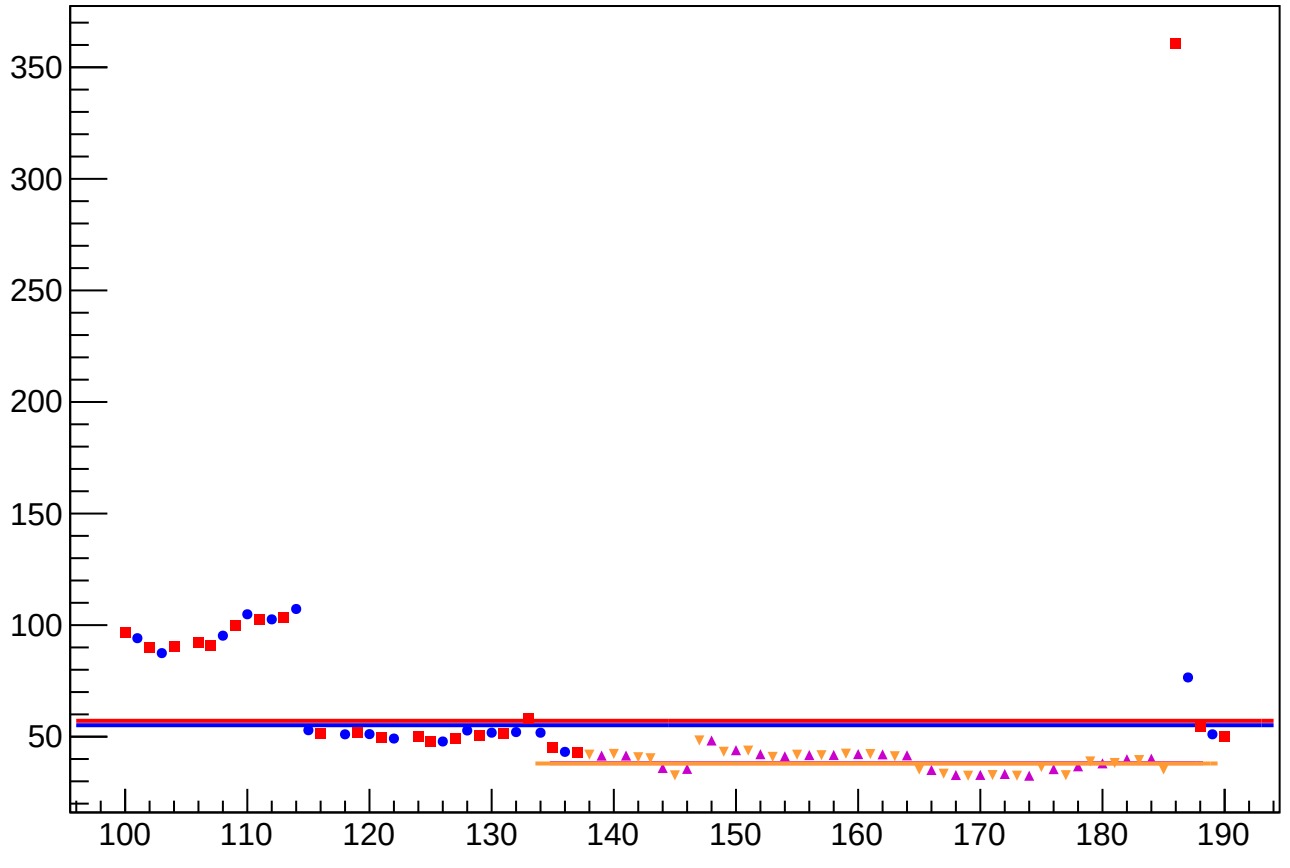
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -52.317+/-14.268 χ^2/NDF: 42.7/39

In: -7.005+/-8.214 χ^2/NDF:58.1/40

Out: 32.357+/-7.975 χ^2/NDF:71.1/46

All: 13.257+/-5.722 χ^2/NDF: 141.0/87



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.122+/-0.014 χ^2/NDF: 1866773.3/21

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

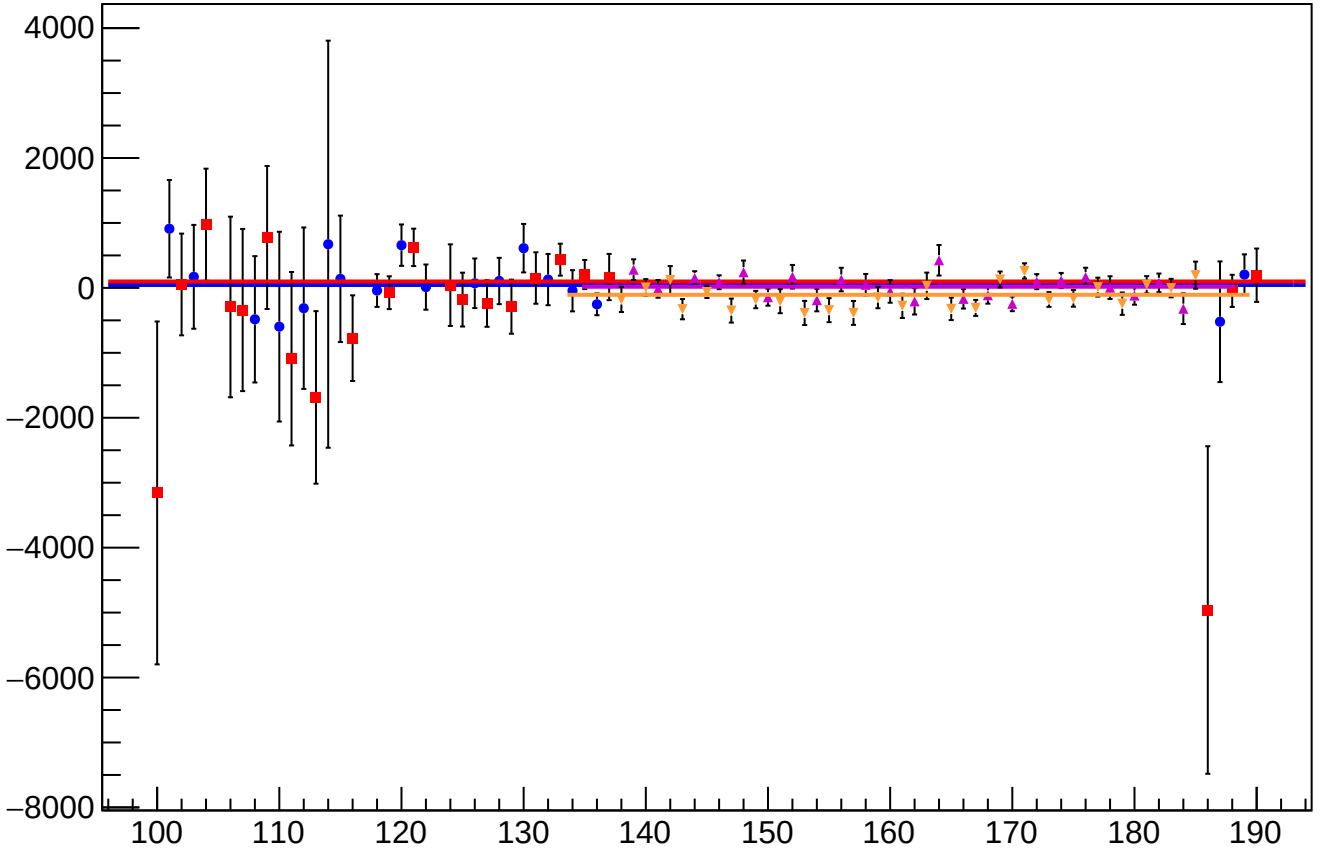
Right: 56.152+/-0.010 χ^2/NDF: 3064673.6/39

In: 40.893+/-0.006 χ^2/NDF:2782529.7/40

Out: 41.039+/-0.006 χ^2/NDF:3922726.9/46

All: 40.968+/-0.004 χ^2/NDF: 6705582.1/87

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 98.566+/-87.299 χ^2/NDF: 20.1/21

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

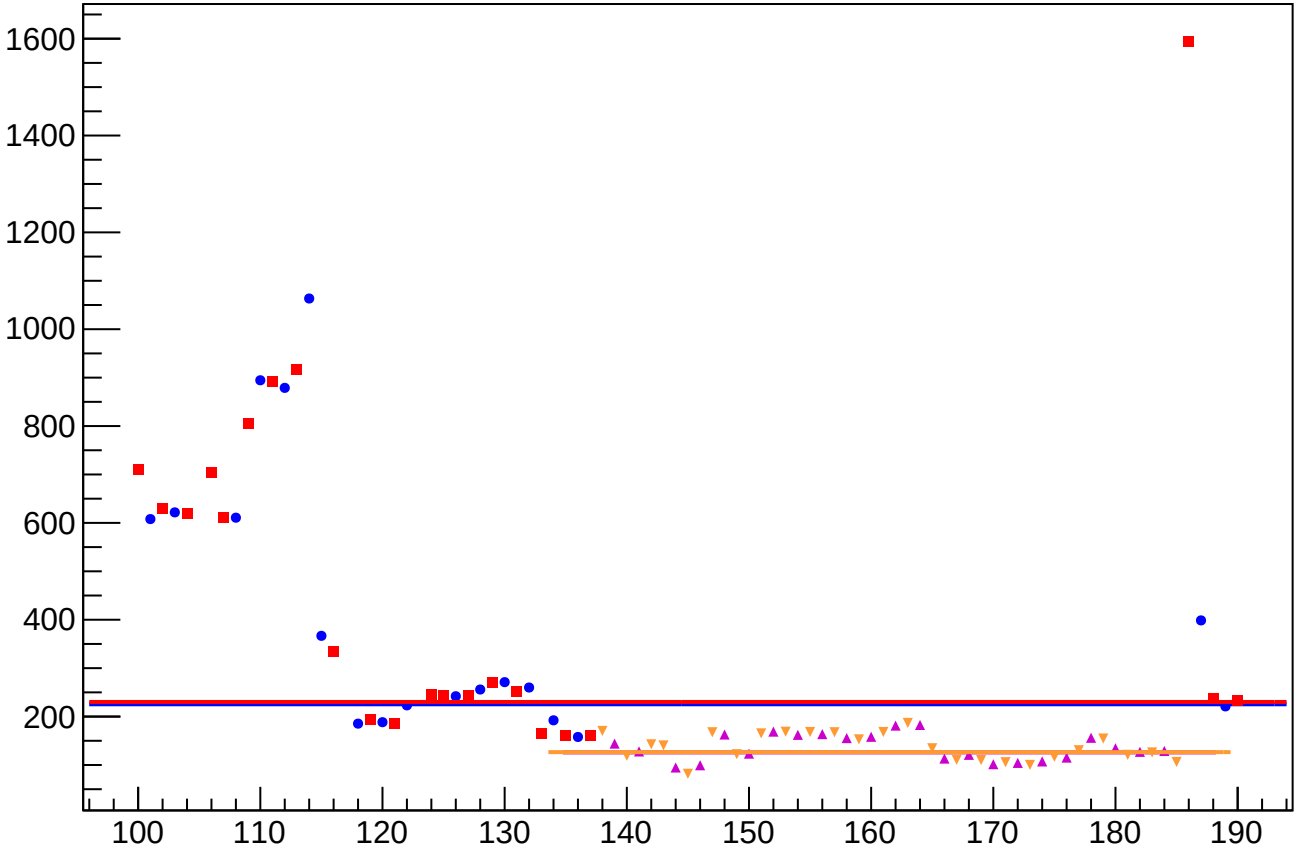
Right: 72.343+/-62.391 χ^2/NDF: 32.3/39

In: 20.338+/-28.593 χ^2/NDF:40.4/40

Out: -85.407+/-28.001 χ^2/NDF:62.7/46

All: -33.639+/-20.006 χ^2/NDF: 110.0/87

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.406+/-0.063 χ^2/NDF: 3038394.9/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.173+/-0.062 χ^2/NDF: 4160968.7/21

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

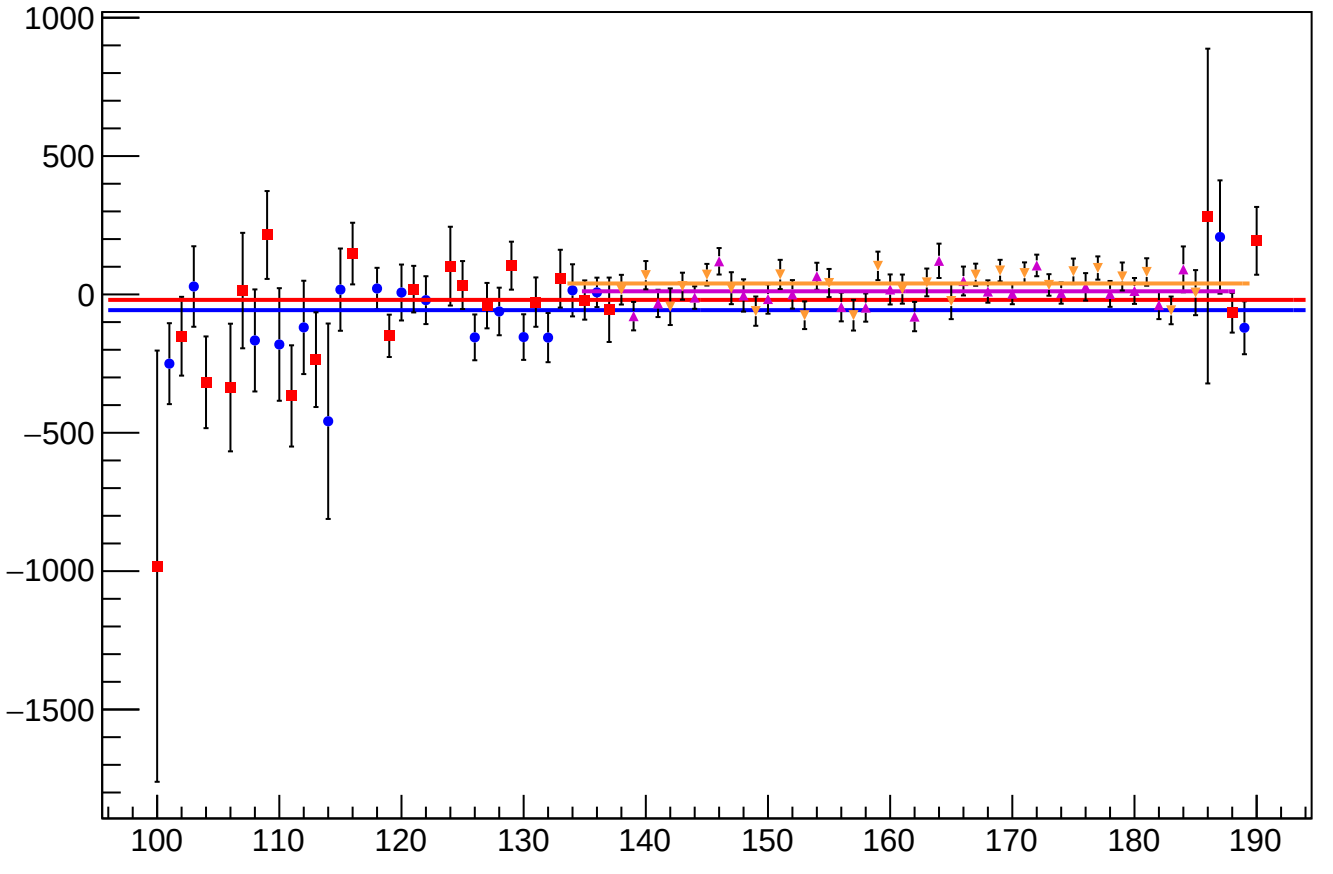
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 227.841+/-0.044 χ^2/NDF: 7202282.1/39

In: 136.226+/-0.020 χ^2/NDF:6677073.8/40

Out: 137.221+/-0.020 χ^2/NDF:8446601.5/46

All: 136.734+/-0.014 χ^2/NDF: 15124911.6/87



Right In: -56.805+/-23.566 χ^2/NDF: 14.4/17

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -19.710+/-23.290 χ^2/NDF: 27.8/21

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

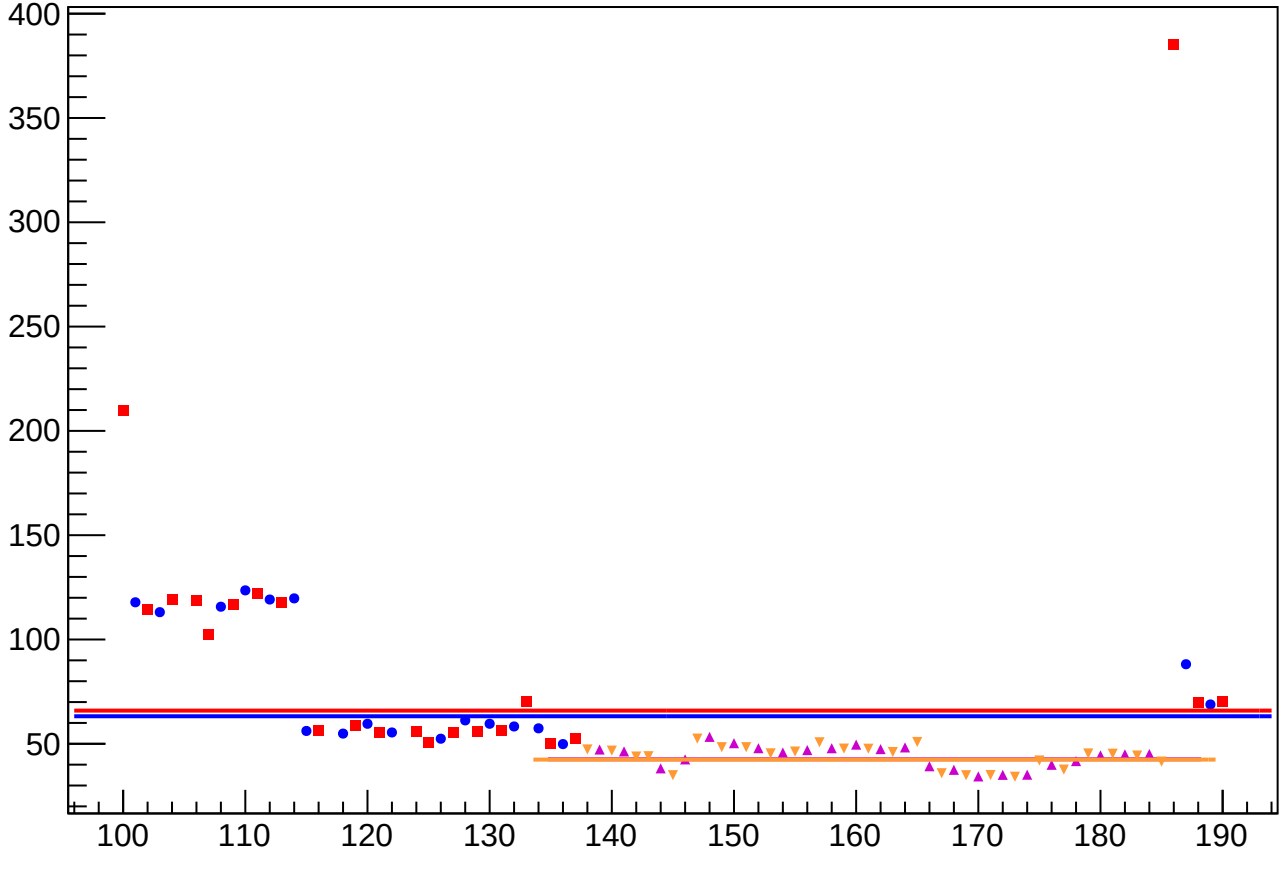
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -38.039+/-16.565 χ^2/NDF: 43.4/39

In: 0.777+/-9.265 χ^2/NDF:49.4/40

Out: 30.732+/-8.990 χ^2/NDF:62.9/46

All: 16.207+/-6.452 χ^2/NDF: 117.7/87



Right In: 63.202+/-0.017 χ^2/NDF: 1386675.5/17

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.914+/-0.016 χ^2/NDF: 2161329.3/21

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

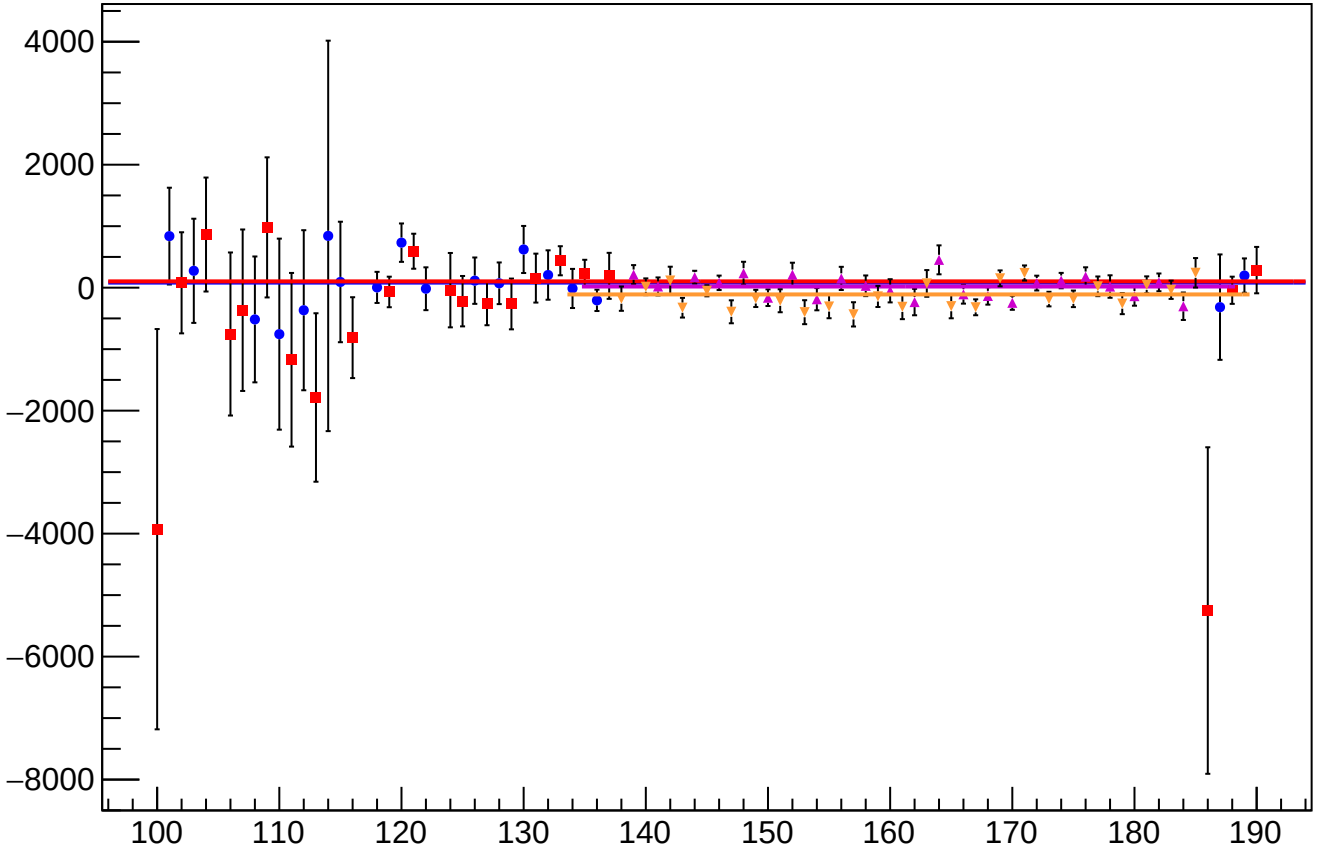
Right: 64.574+/-0.012 χ^2/NDF: 3561410.7/39

In: 45.767+/-0.007 χ^2/NDF:3271435.7/40

Out: 45.926+/-0.006 χ^2/NDF:4591151.2/46

All: 45.849+/-0.005 χ^2/NDF: 7862889.5/87

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 82.525+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 102.426+/-84.754 χ^2/NDF: 21.1/21

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

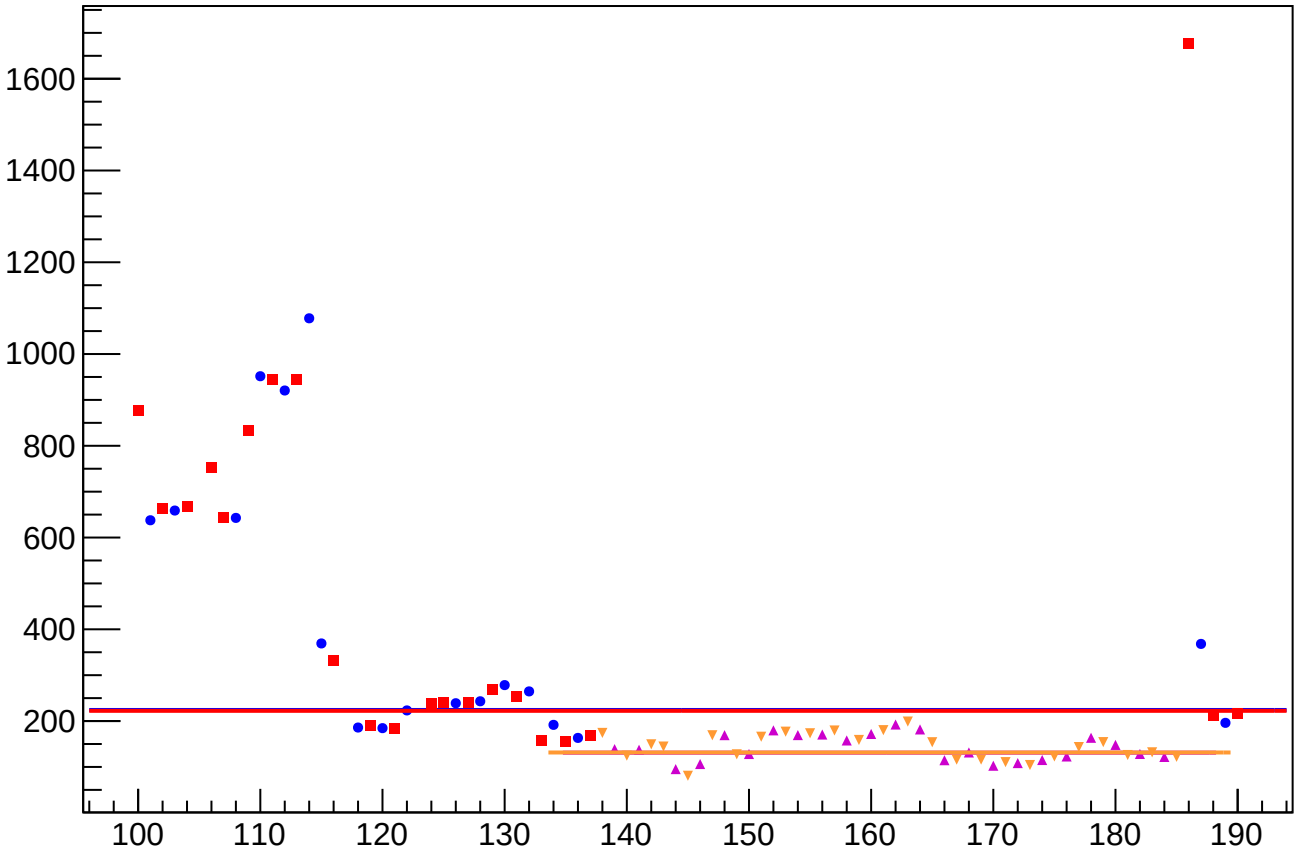
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 92.964+/-61.383 χ^2/NDF: 32.7/39

In: 25.916+/-29.676 χ^2/NDF:39.3/40

Out: -85.162+/-28.913 χ^2/NDF:62.9/46

All: -31.069+/-20.709 χ^2/NDF: 109.4/87



Right In: 224.153+/-0.063 χ^2/NDF: 3103101.1/17

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 222.323+/-0.060 χ^2/NDF: 4453269.1/21

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

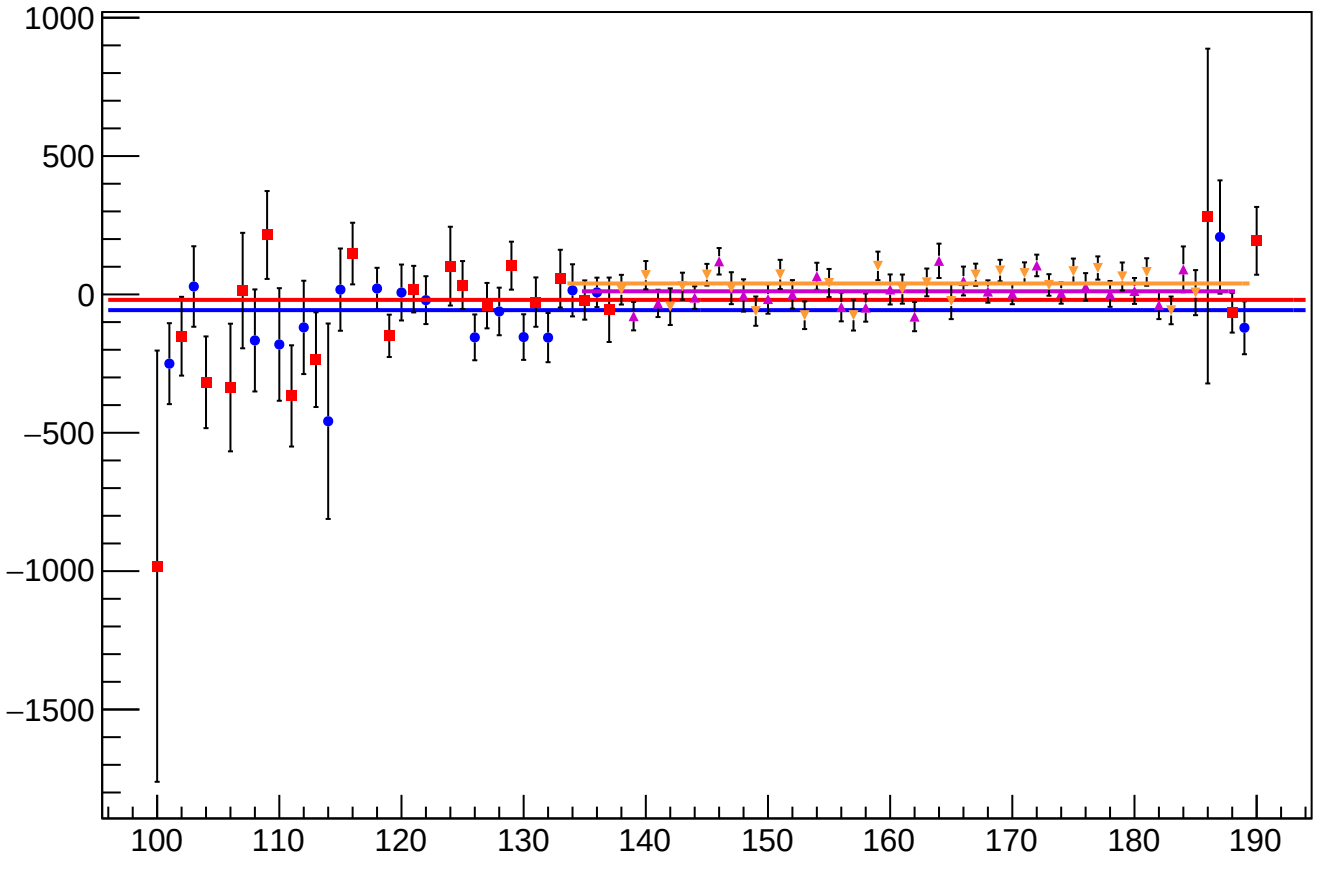
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

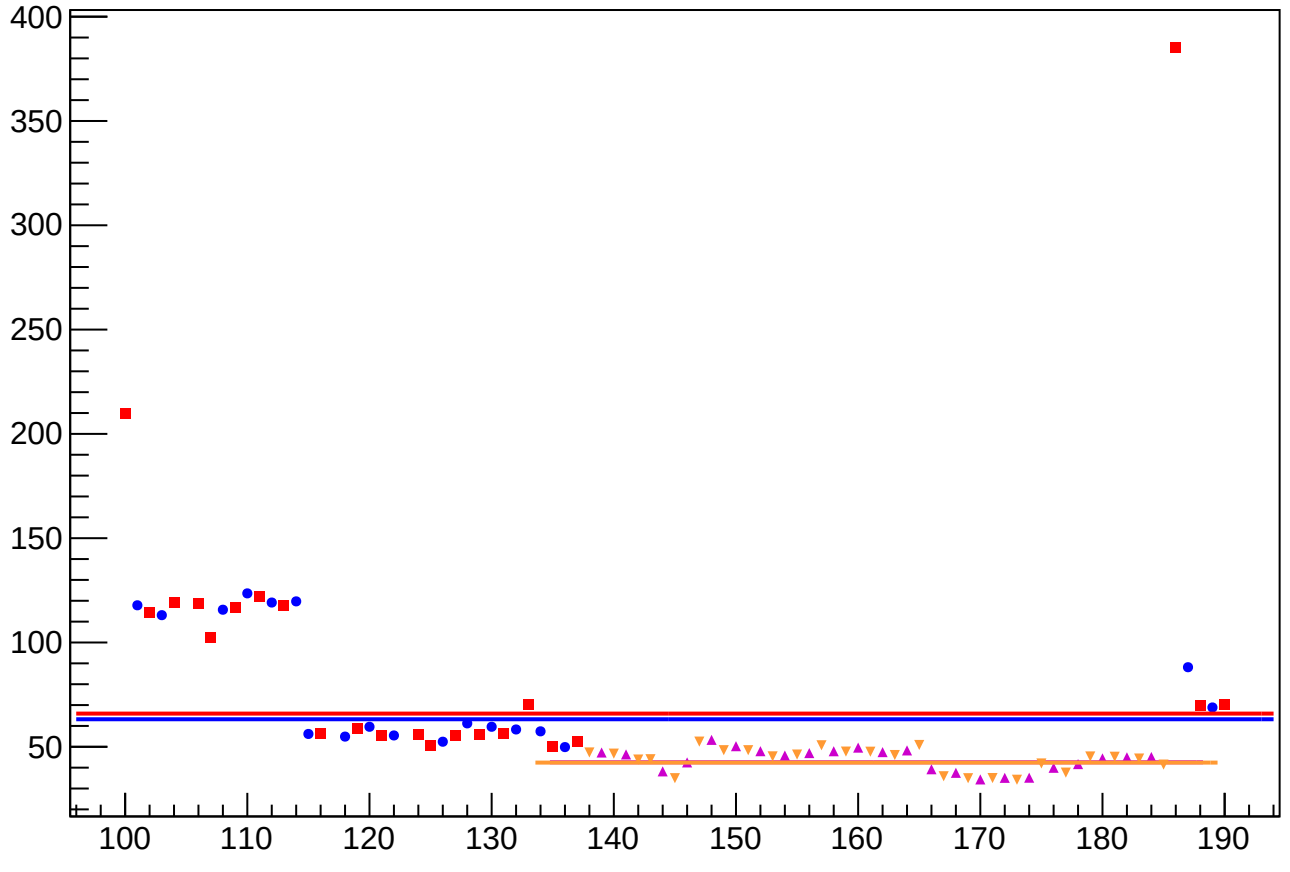
Right: 223.193+/-0.043 χ^2/NDF: 7556813.4/39

In: 141.418+/-0.021 χ^2/NDF:6514469.5/40

Out: 142.083+/-0.020 χ^2/NDF:8384979.4/46

All: 141.759+/-0.015 χ^2/NDF: 14899964.9/87


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: -56.806+/-23.566 χ²/NDF: 14.4/17
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -19.712+/-23.290 χ²/NDF: 27.8/21
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -38.041+/-16.565 χ²/NDF: 43.4/39
In: 0.777+/-9.266 χ²/NDF:49.4/40
Out: 30.733+/-8.990 χ²/NDF:62.9/46
All: 16.207+/-6.452 χ²/NDF: 117.7/87



Right In: 63.201+/-0.017 χ^2/NDF: 1386661.5/17

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.914+/-0.016 χ^2/NDF: 2161314.7/21

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

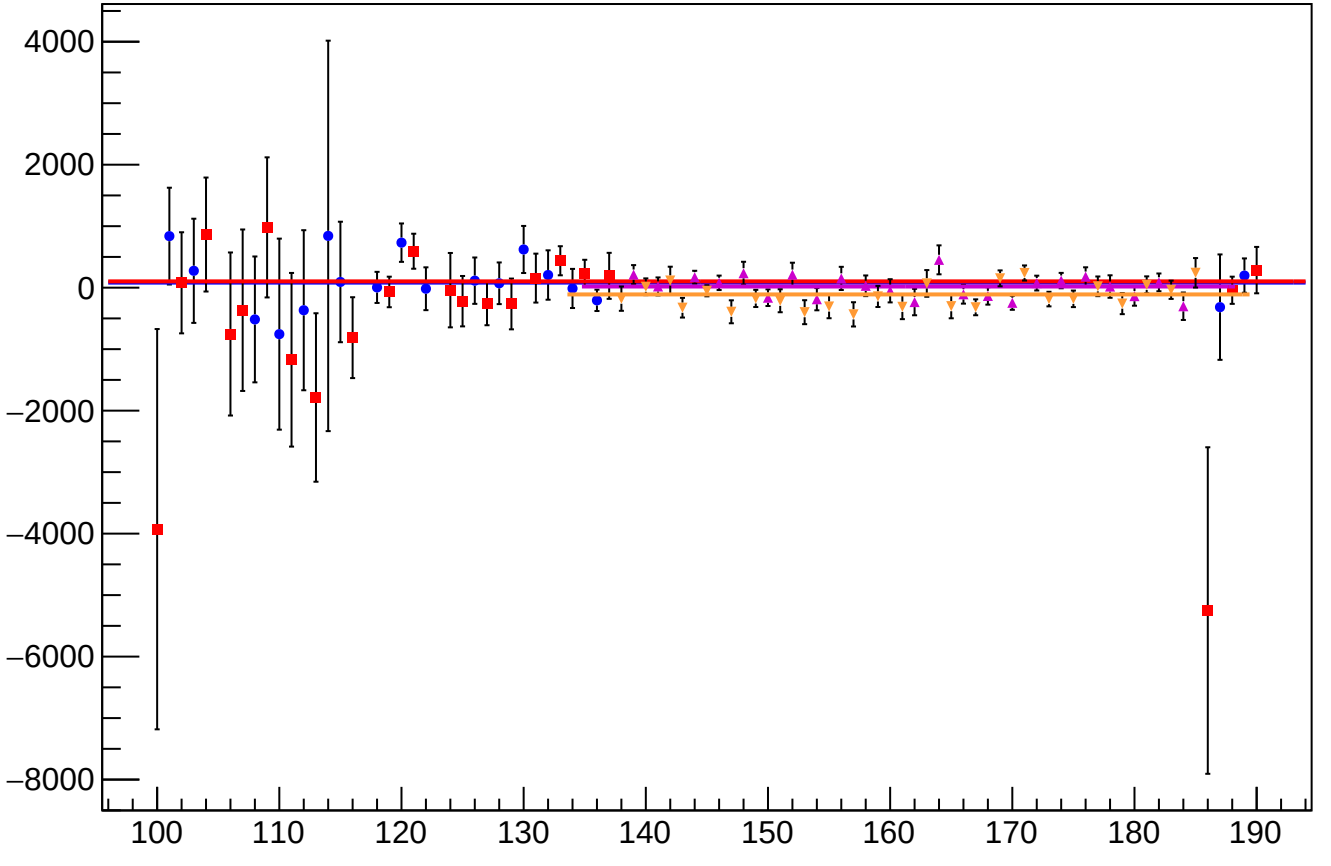
Right: 64.574+/-0.012 χ^2/NDF: 3561385.4/39

In: 45.767+/-0.007 χ^2/NDF:3271375.4/40

Out: 45.926+/-0.006 χ^2/NDF:4591143.3/46

All: 45.849+/-0.005 χ^2/NDF: 7862821.0/87

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 82.526+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 102.423+/-84.754 χ^2/NDF: 21.1/21

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

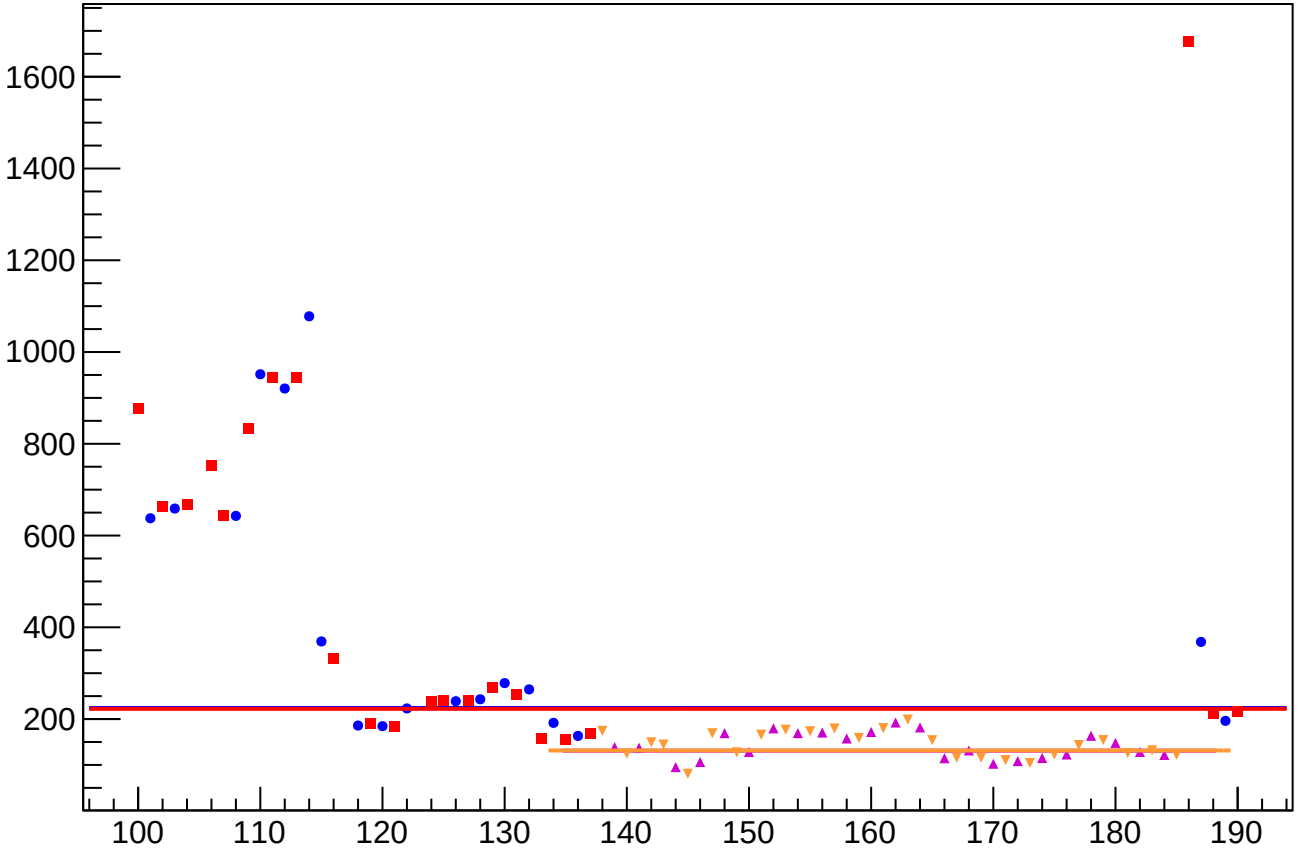
Right: 92.963+/-61.383 χ^2/NDF: 32.7/39

In: 25.916+/-29.676 χ^2/NDF:39.3/40

Out: -85.162+/-28.913 χ^2/NDF:62.9/46

All: -31.069+/-20.709 χ^2/NDF: 109.4/87

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 224.153+/-0.063 χ^2/NDF: 3103088.7/17

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 222.323+/-0.060 χ^2/NDF: 4453252.2/21

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

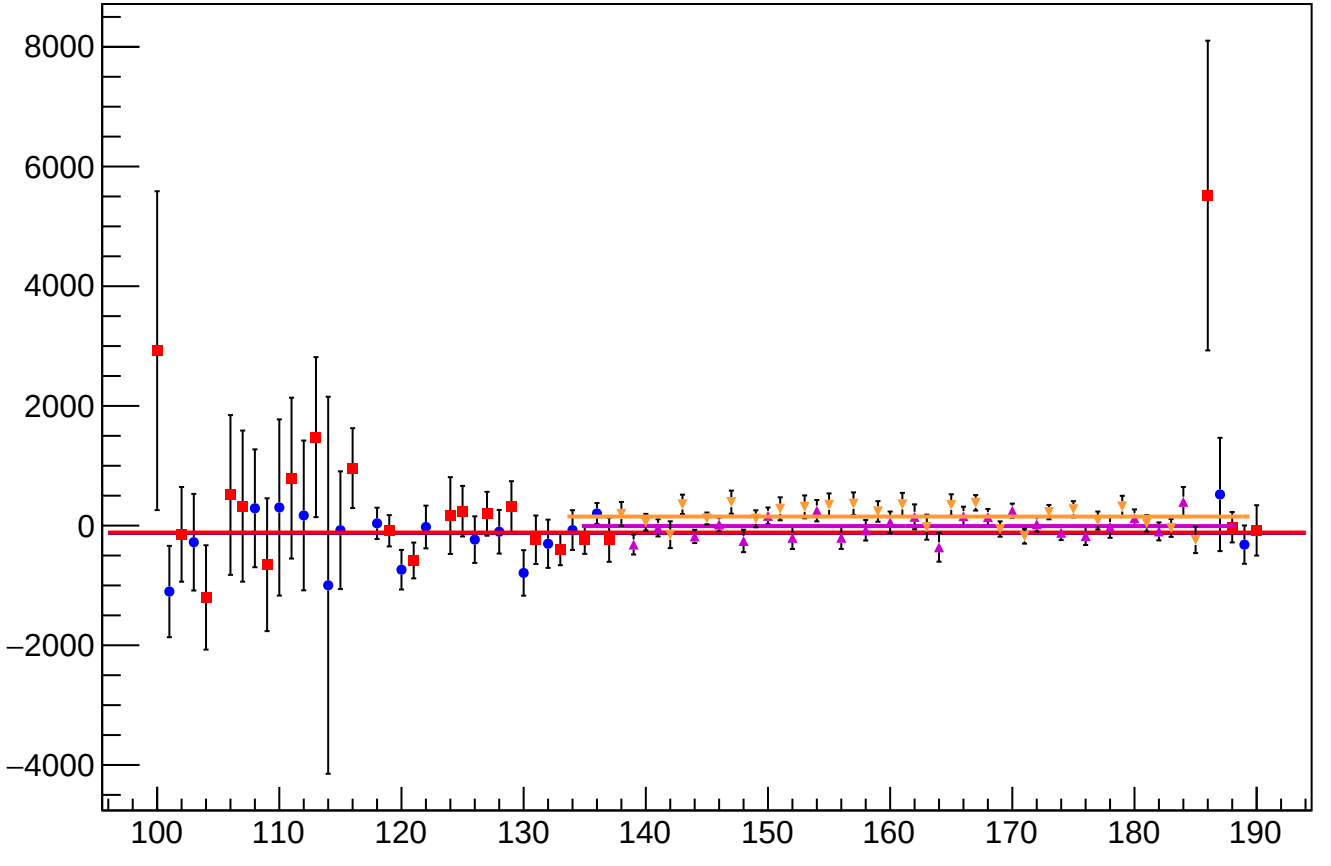
Right: 223.193+/-0.043 χ^2/NDF: 7556784.0/39

In: 141.418+/-0.021 χ^2/NDF:6514449.6/40

Out: 142.084+/-0.020 χ^2/NDF:8384947.7/46

All: 141.760+/-0.015 χ^2/NDF: 14899913.4/87

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -122.963+/-92.000 χ^2/NDF: 13.7/17

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -116.149+/-90.191 χ^2/NDF: 19.6/21

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

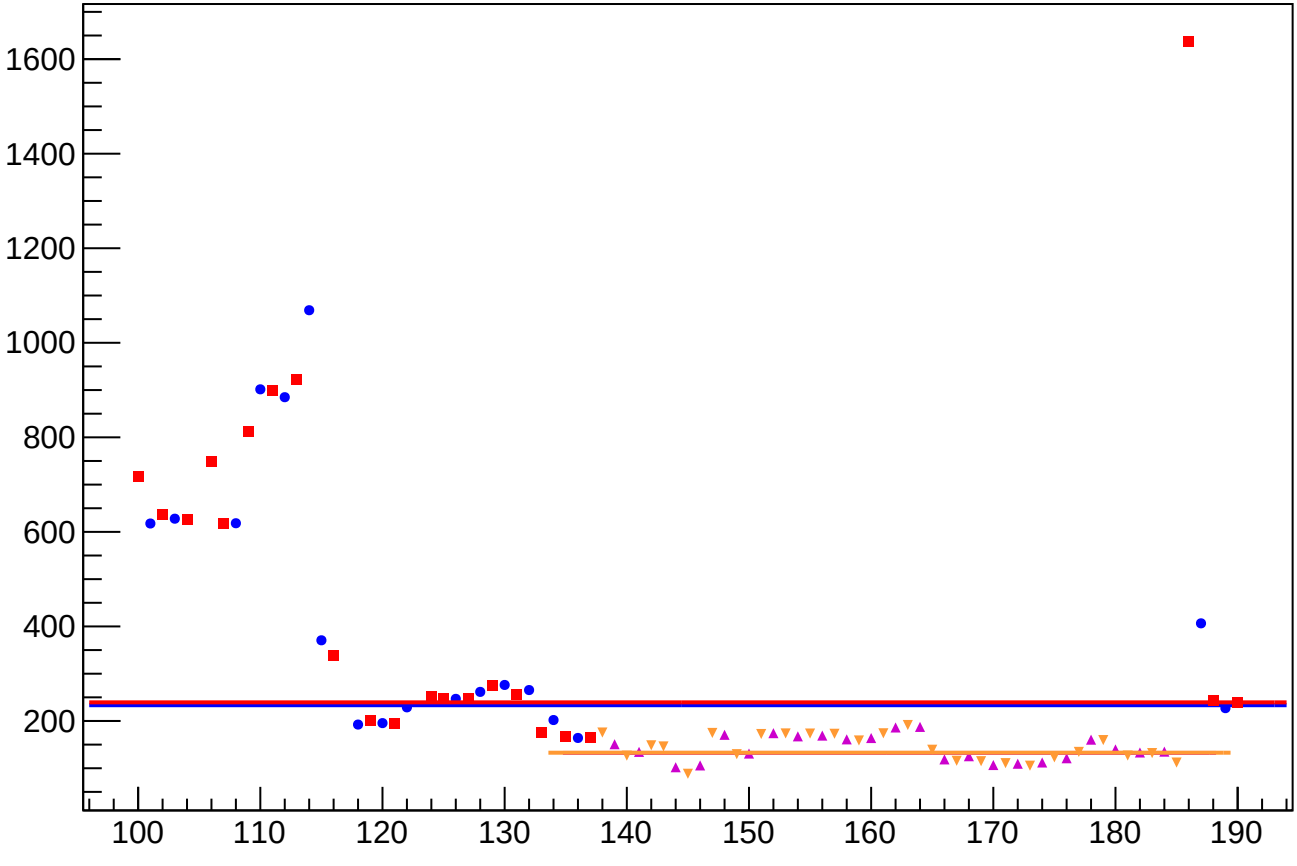
Right: -119.488+/-64.405 χ^2/NDF: 33.3/39

In: -20.094+/-29.904 χ^2/NDF:44.5/40

Out: 122.949+/-29.276 χ^2/NDF:60.5/46

All: 52.947+/-20.920 χ^2/NDF: 116.7/87

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 233.342+/-0.065 χ^2/NDF: 2953491.1/17

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 239.400+/-0.064 χ^2/NDF: 4106770.9/21

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

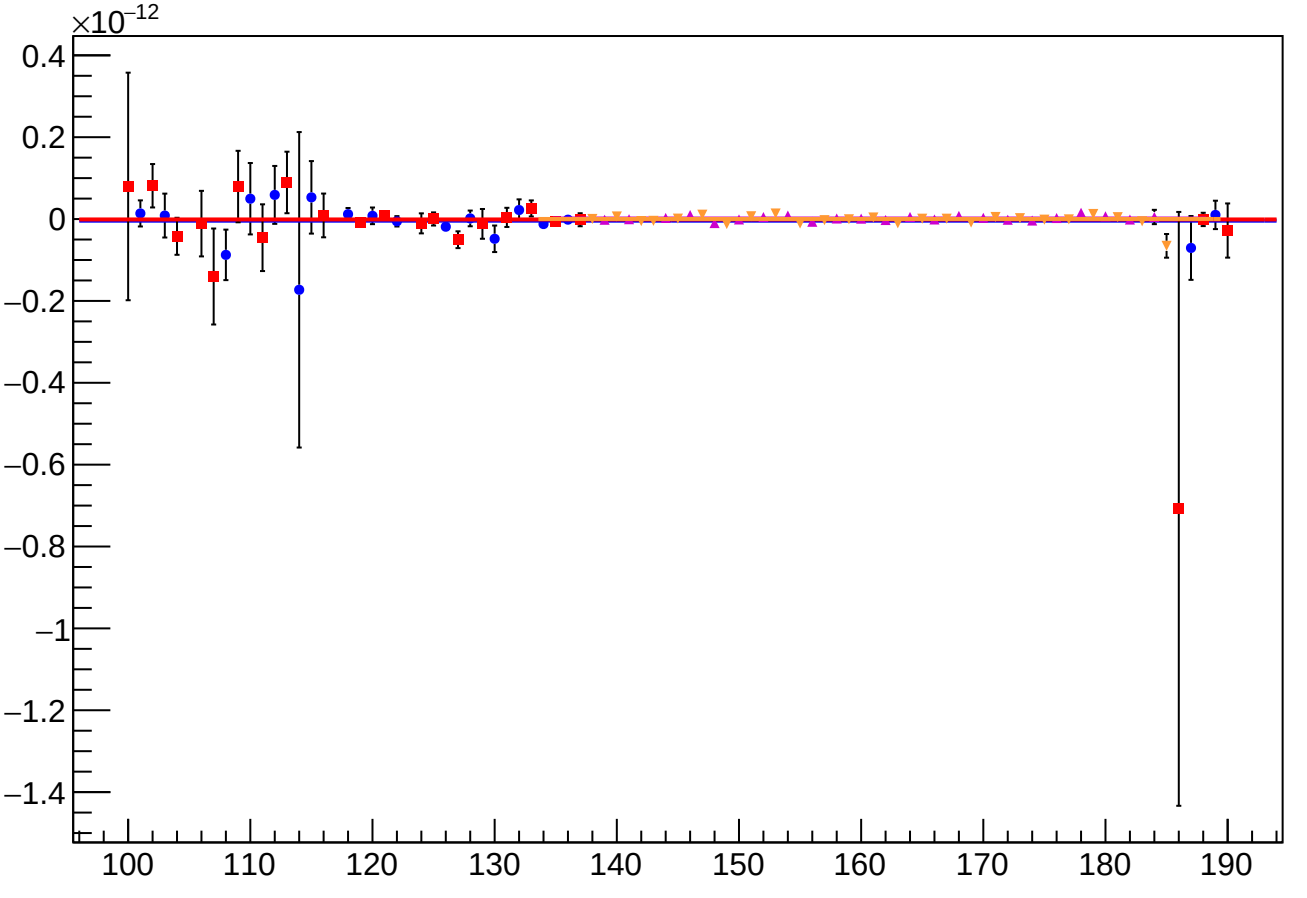
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 236.431+/-0.046 χ^2/NDF: 7064684.1/39

In: 143.013+/-0.021 χ^2/NDF:6387021.1/40

Out: 144.099+/-0.021 χ^2/NDF:8195088.6/46

All: 143.568+/-0.015 χ^2/NDF: 14583458.3/87



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

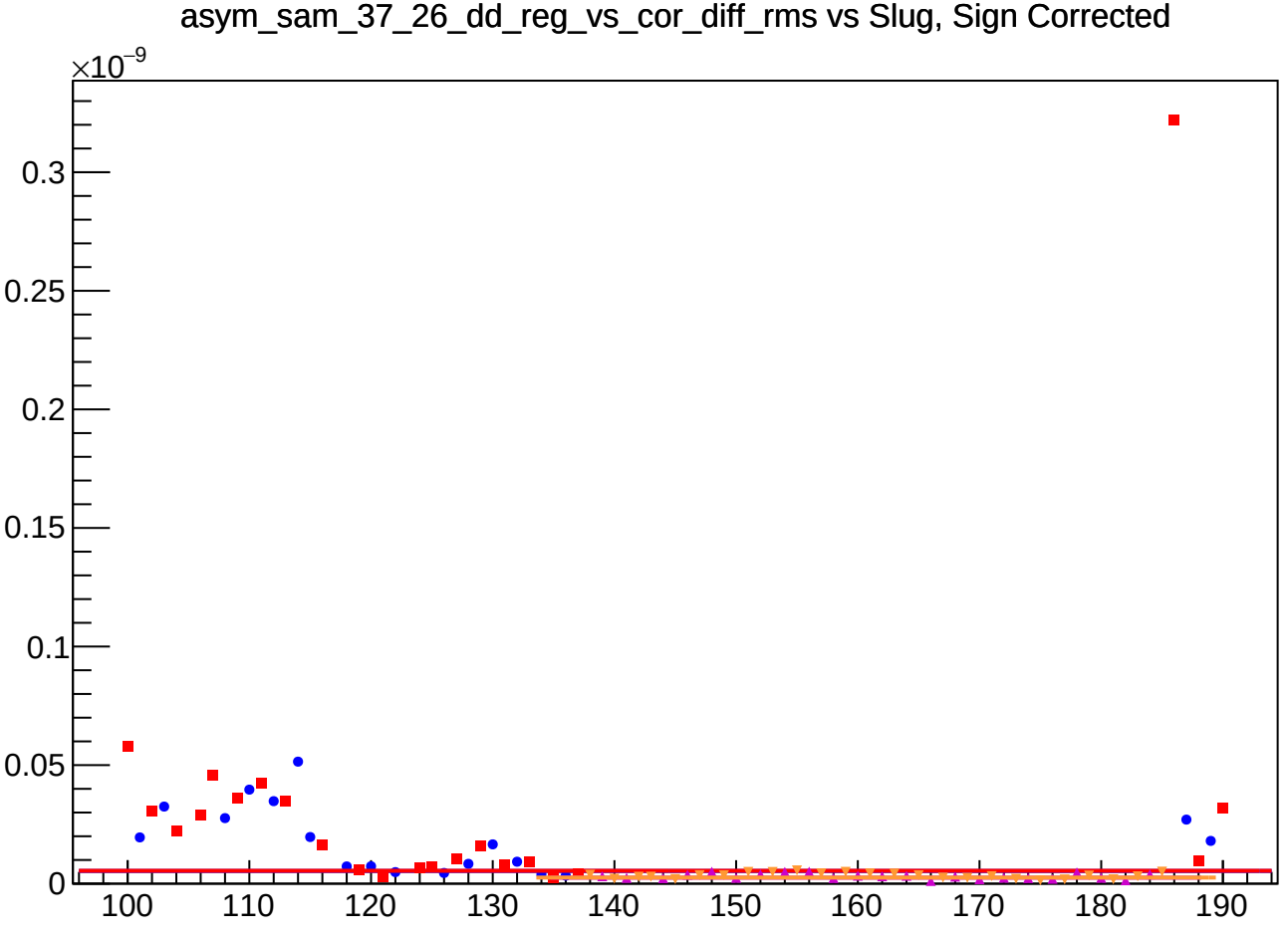
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.8/39

In: 0.000+/-0.000 χ^2/NDF:29.2/40

Out: 0.000+/-0.000 χ^2/NDF:51.5/46

All: 0.000+/-0.000 χ^2/NDF: 80.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 3046068.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4075796.0/21

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

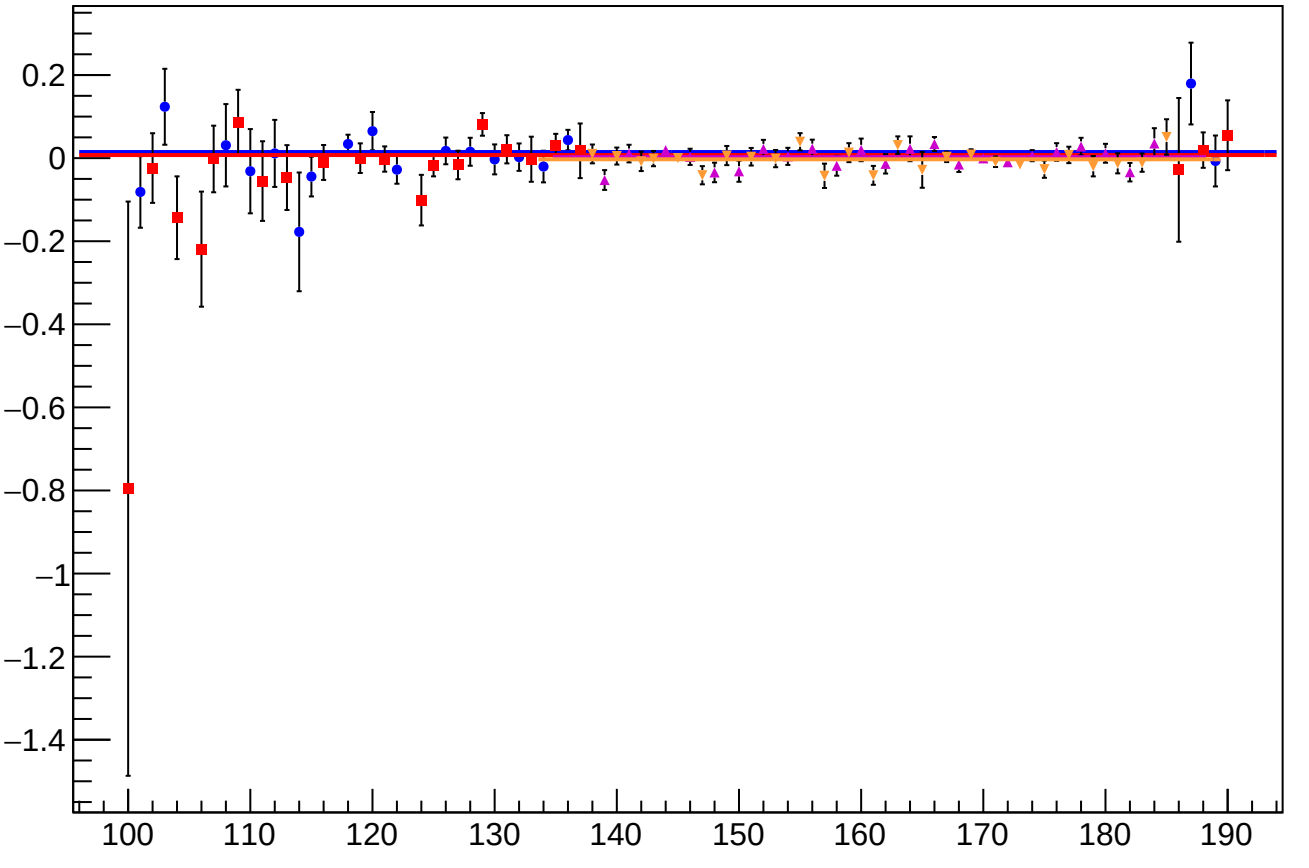
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7122435.9/39

In: 0.000+/-0.000 χ^2/NDF:5683028.0/40

Out: 0.000+/-0.000 χ^2/NDF:7287928.6/46

All: 0.000+/-0.000 χ^2/NDF: 12971436.6/87



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.9/21

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

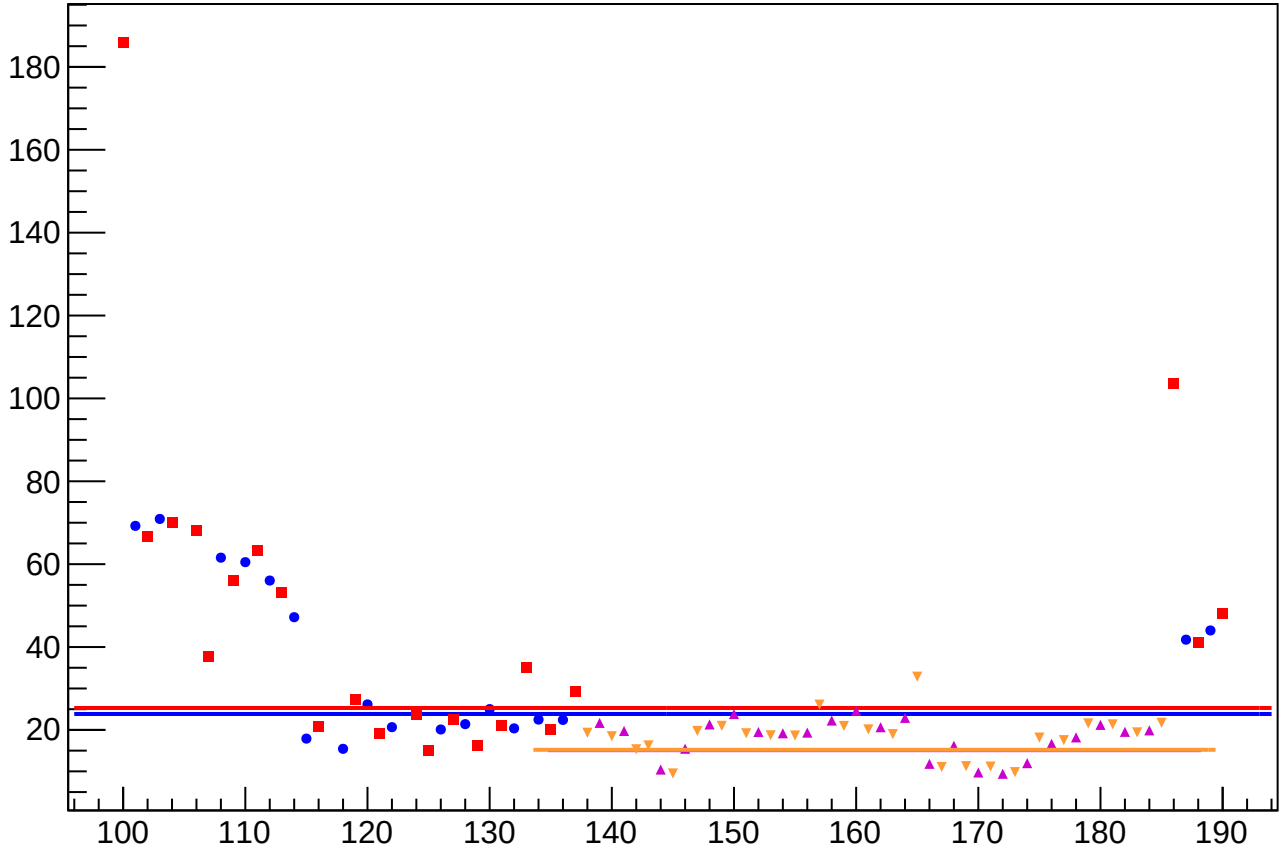
Right: 0.011+/-0.007 χ^2/NDF: 37.5/39

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.001+/-0.003 χ^2/NDF:45.5/46

All: 0.001+/-0.002 χ^2/NDF: 90.3/87

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 25.295+/-0.007 χ^2/NDF: 3771615.2/21

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

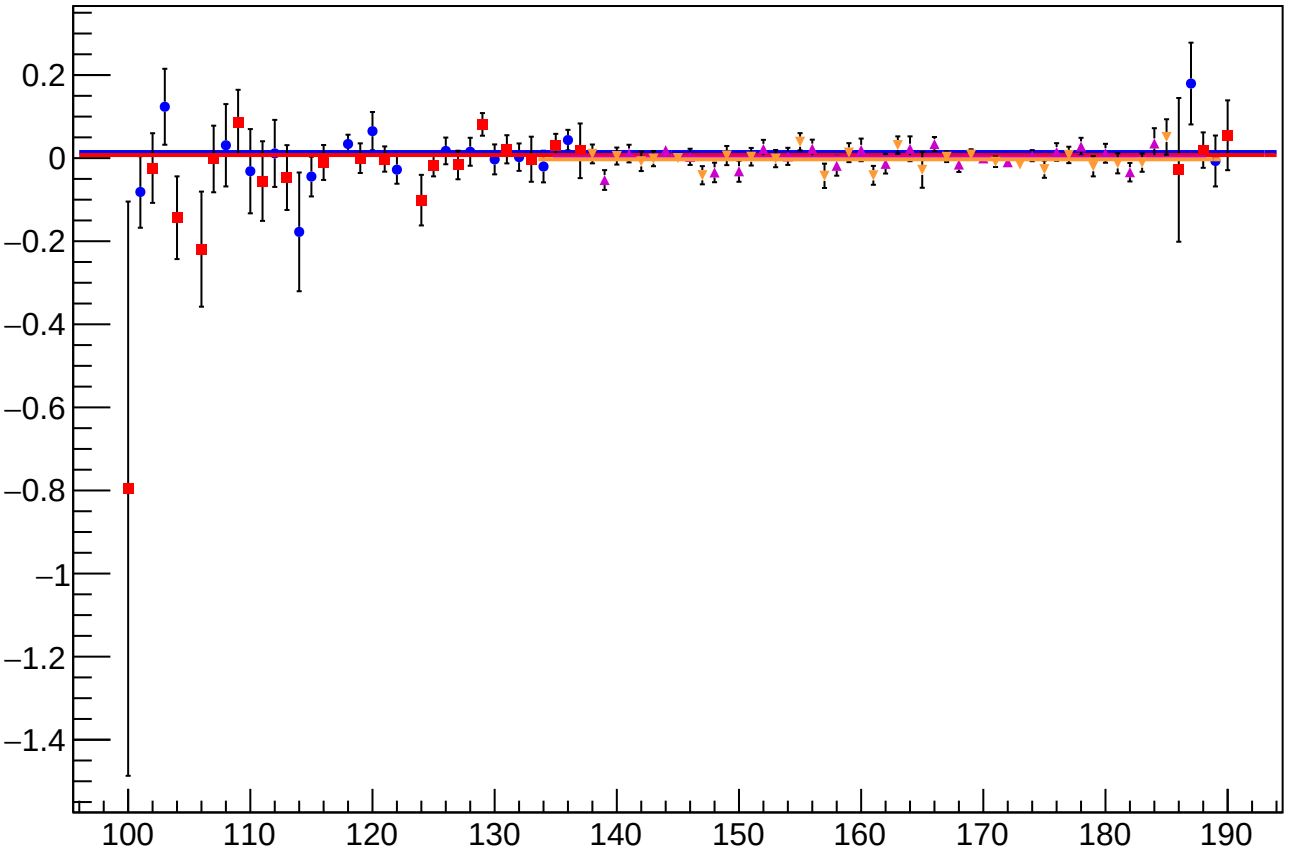
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 24.567+/-0.005 χ^2/NDF: 6493169.3/39

In: 16.296+/-0.003 χ^2/NDF:7509106.3/40

Out: 16.483+/-0.002 χ^2/NDF:9097624.5/46

All: 16.392+/-0.002 χ^2/NDF: 16609550.8/87



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.9/21

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

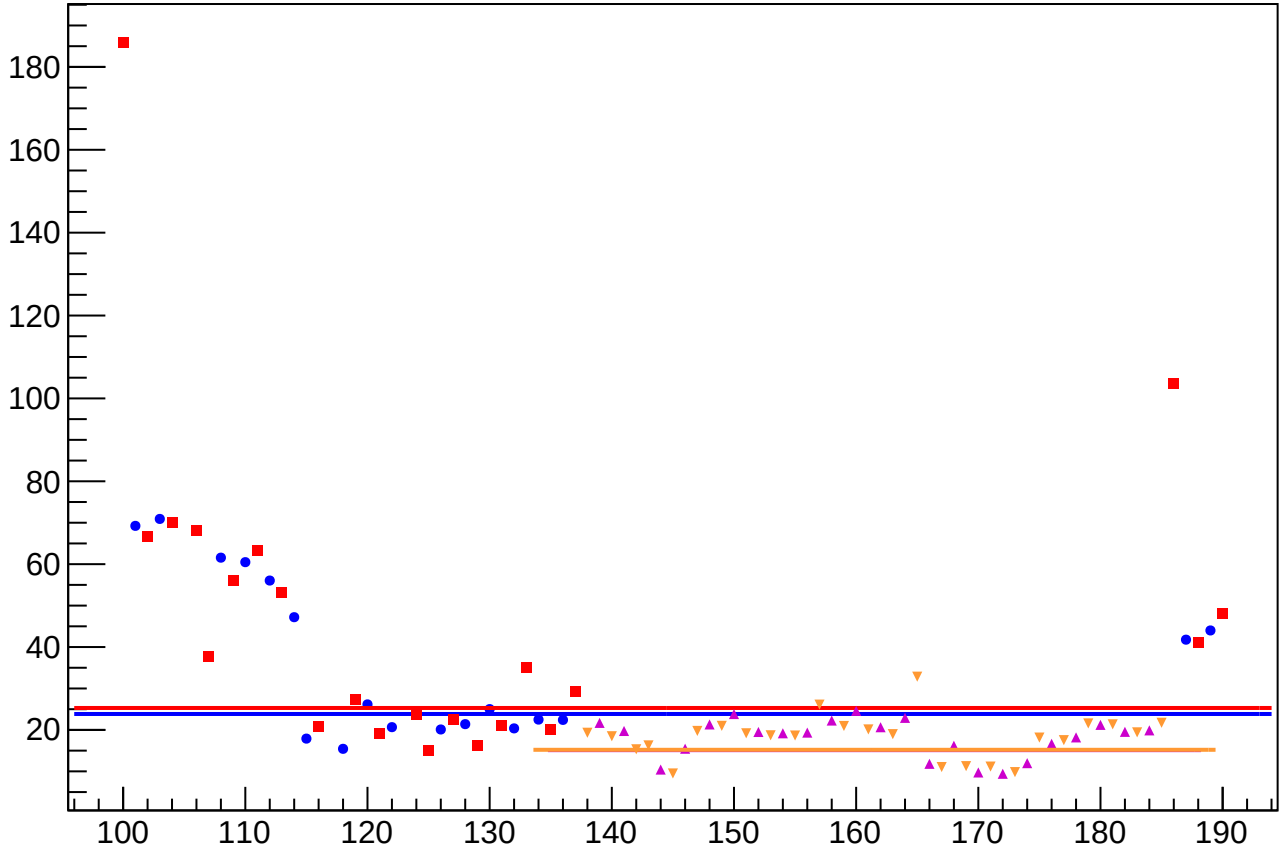
Right: 0.011+/-0.007 χ^2/NDF: 37.5/39

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.001+/-0.003 χ^2/NDF:45.5/46

All: 0.001+/-0.002 χ^2/NDF: 90.3/87

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 25.295+/-0.007 χ^2/NDF: 3771615.2/21

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

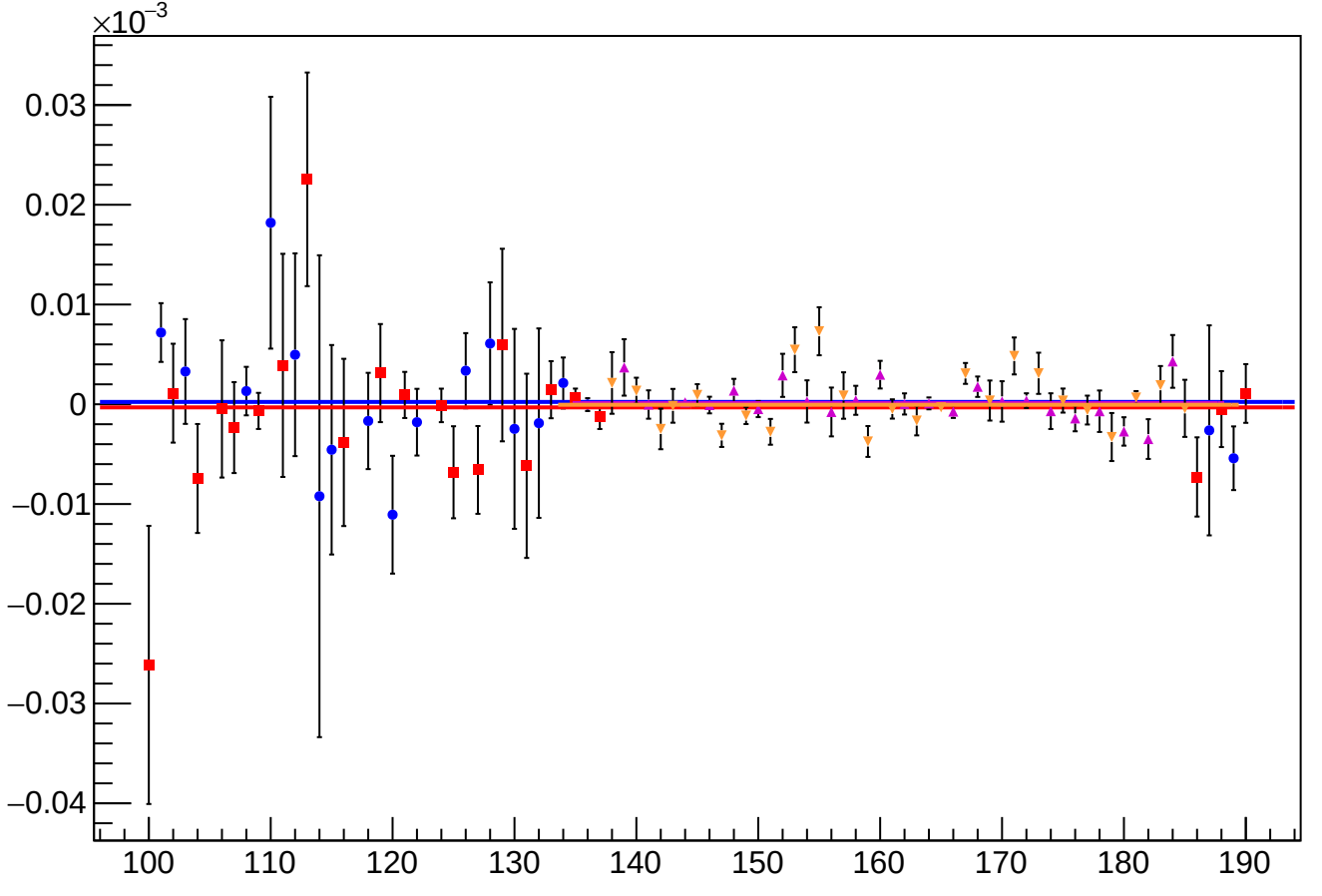
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 24.567+/-0.005 χ^2/NDF: 6493169.3/39

In: 16.296+/-0.003 χ^2/NDF:7509106.3/40

Out: 16.483+/-0.002 χ^2/NDF:9097624.5/46

All: 16.392+/-0.002 χ^2/NDF: 16609550.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/21

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

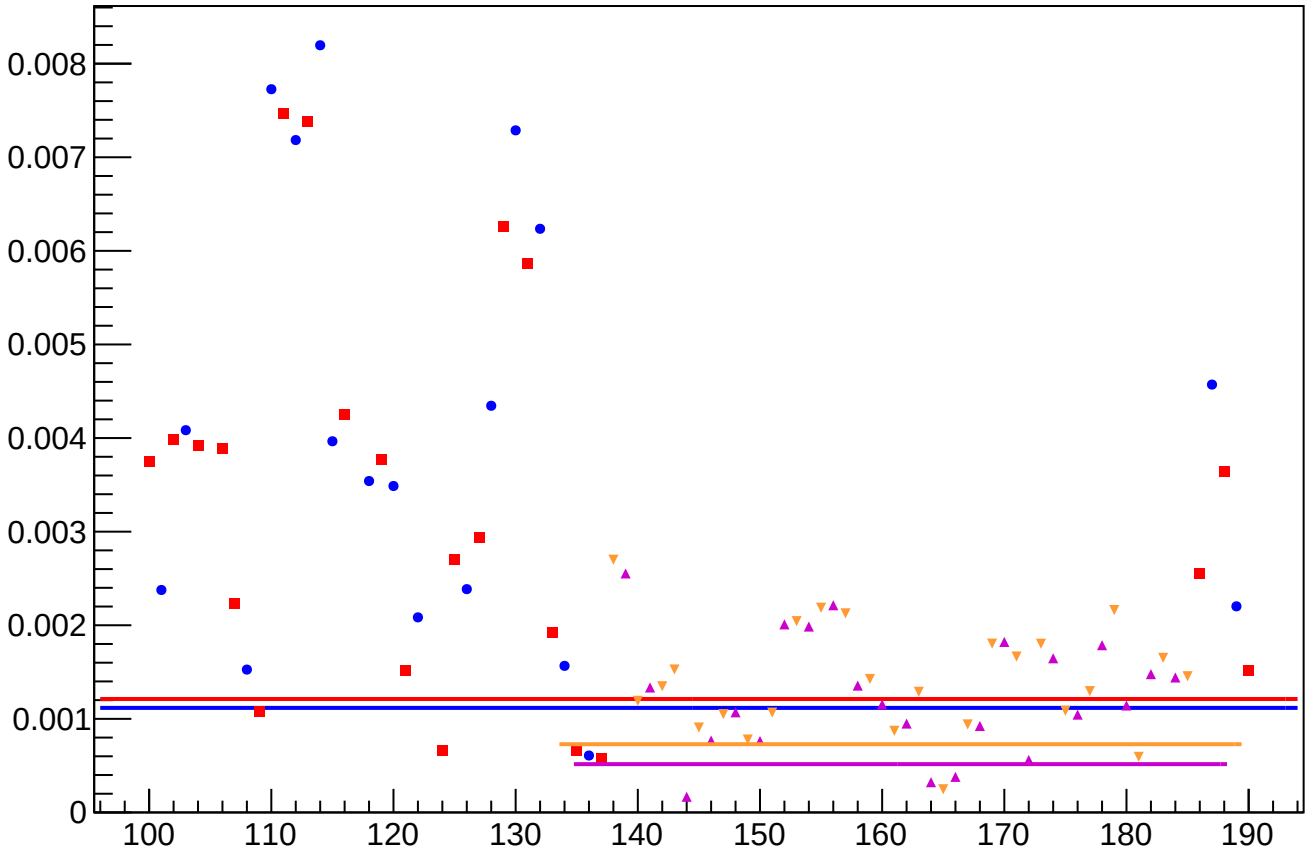
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 40.3/39

In: 0.000+/-0.000 χ^2/NDF:44.1/40

Out: -0.000+/-0.000 χ^2/NDF:84.3/46

All: 0.000+/-0.000 χ^2/NDF: 129.0/87



Right In: 0.001+/-0.000 χ^2/NDF: 7503829.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7912615.4/21

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

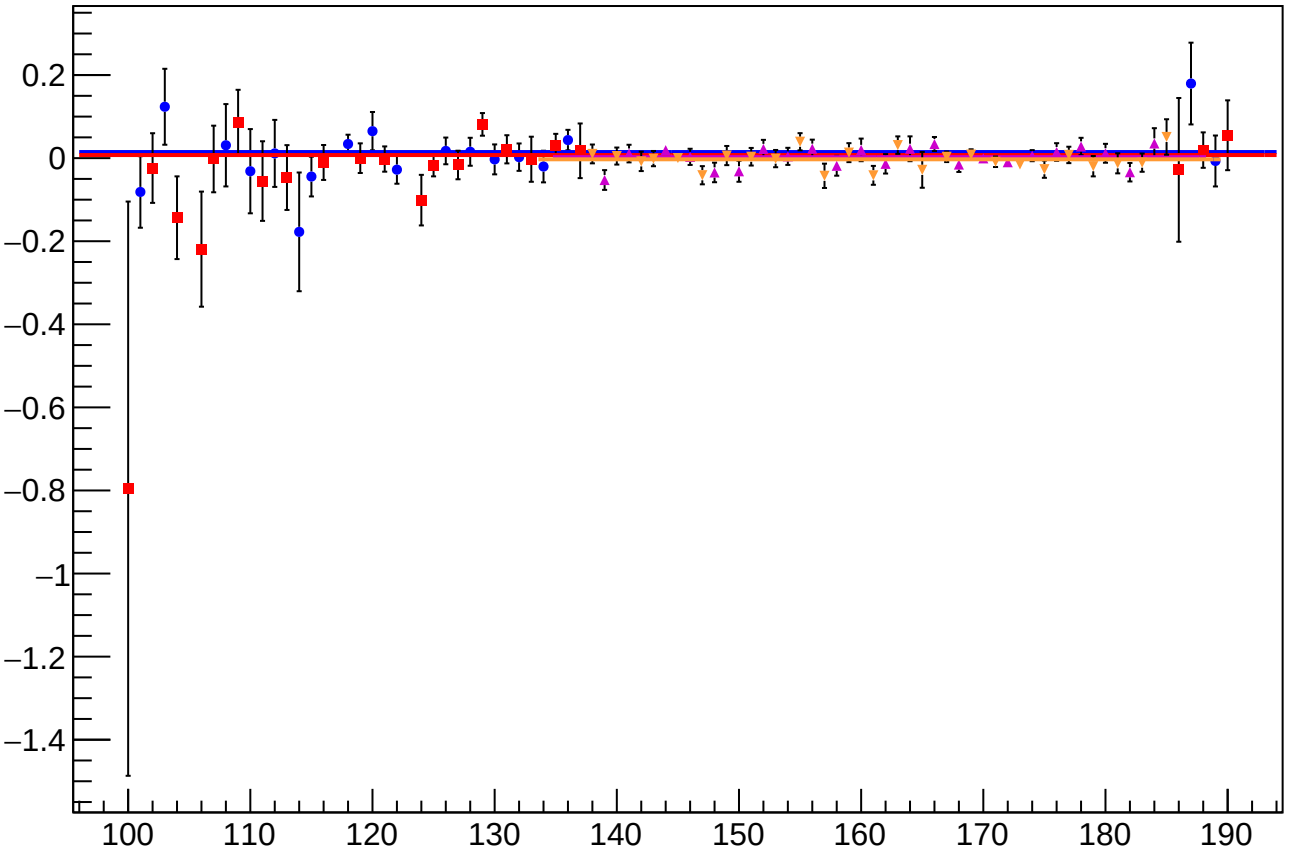
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 15446420.8/39

In: 0.001+/-0.000 χ^2/NDF:24685276.0/40

Out: 0.001+/-0.000 χ^2/NDF:22397503.9/46

All: 0.001+/-0.000 χ^2/NDF: 48544525.6/87



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.9/21

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

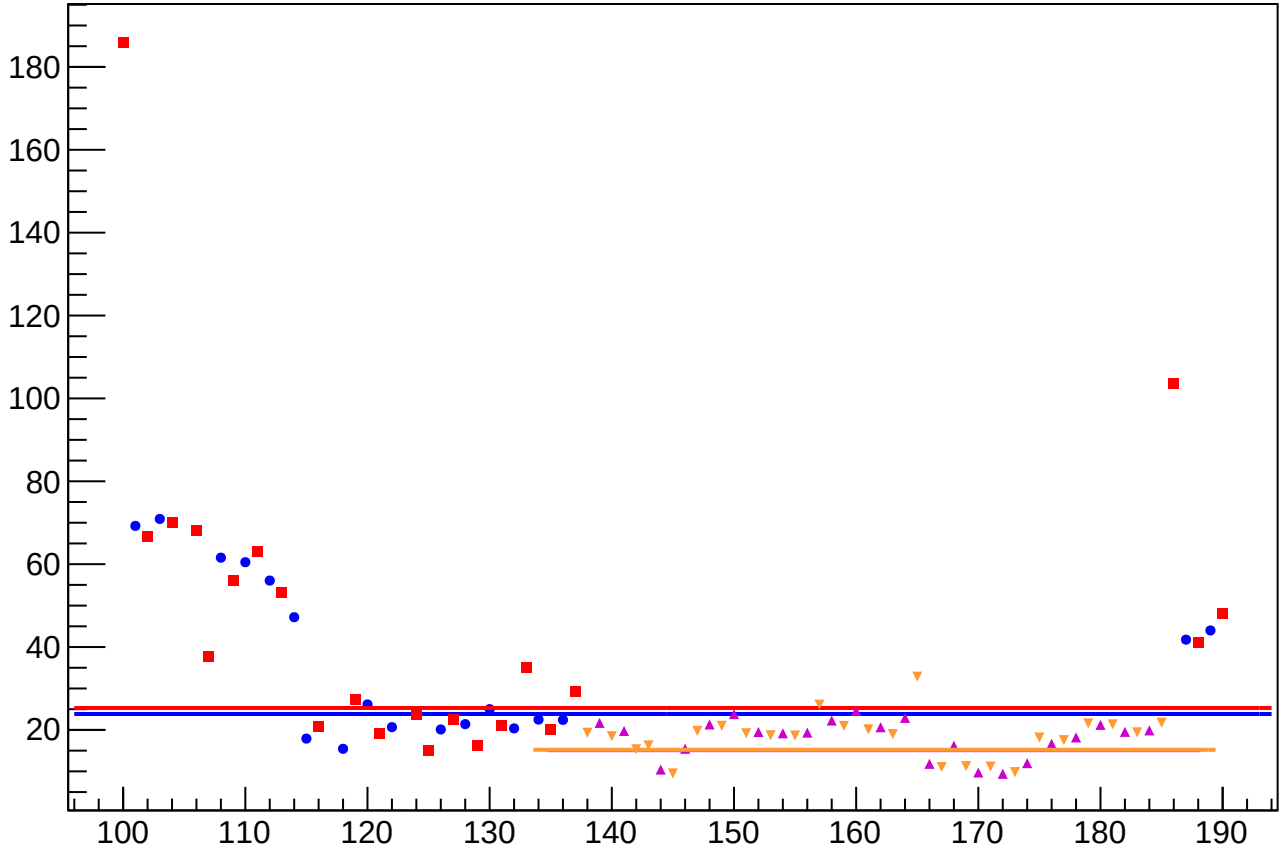
Right: 0.011+/-0.007 χ^2/NDF: 37.5/39

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.001+/-0.003 χ^2/NDF:45.5/46

All: 0.001+/-0.002 χ^2/NDF: 90.3/87

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 25.295+/-0.007 χ^2/NDF: 3771644.0/21

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

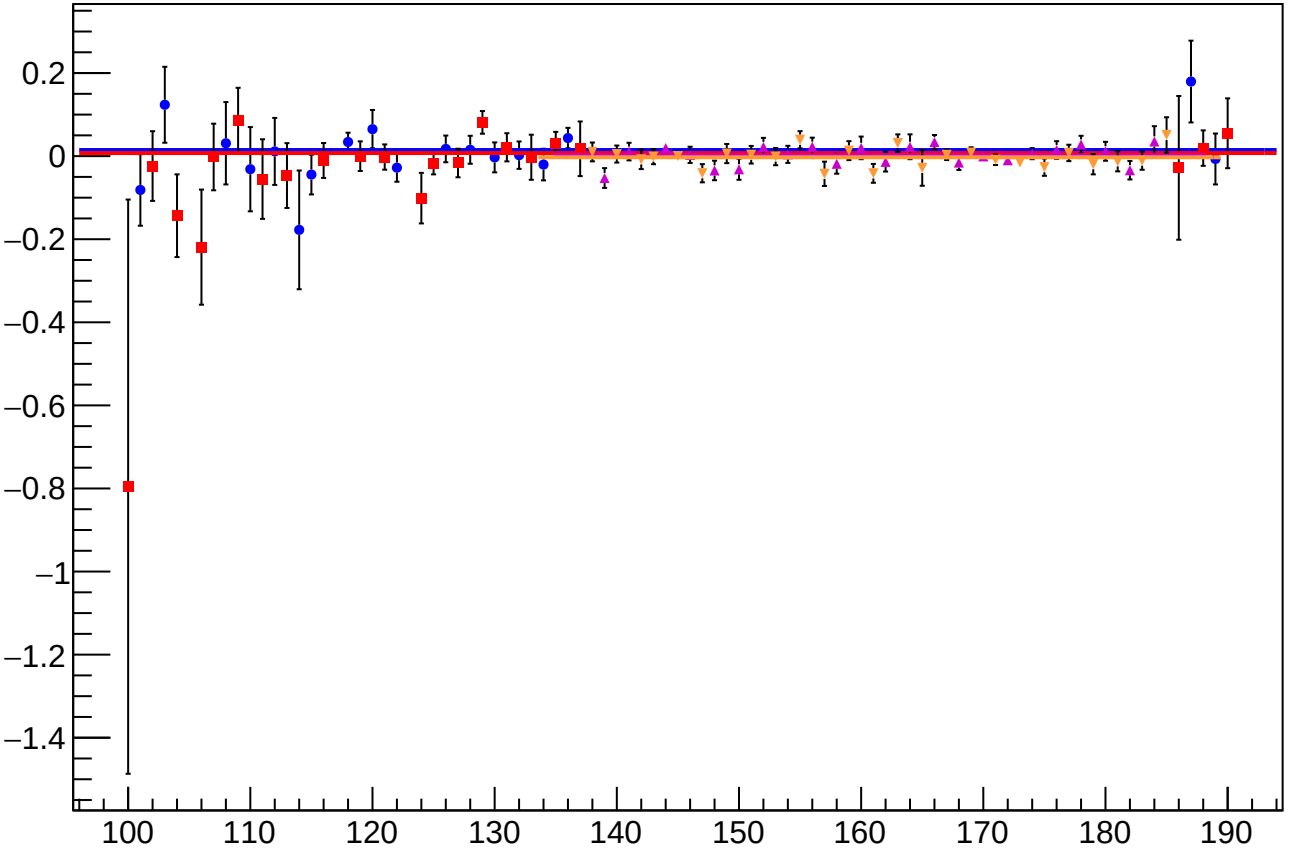
Right: 24.566+/-0.005 χ^2/NDF: 6493301.1/39

In: 16.297+/-0.003 χ^2/NDF:7508881.1/40

Out: 16.483+/-0.002 χ^2/NDF:9097578.9/46

All: 16.392+/-0.002 χ^2/NDF: 16609280.2/87

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.9/21

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

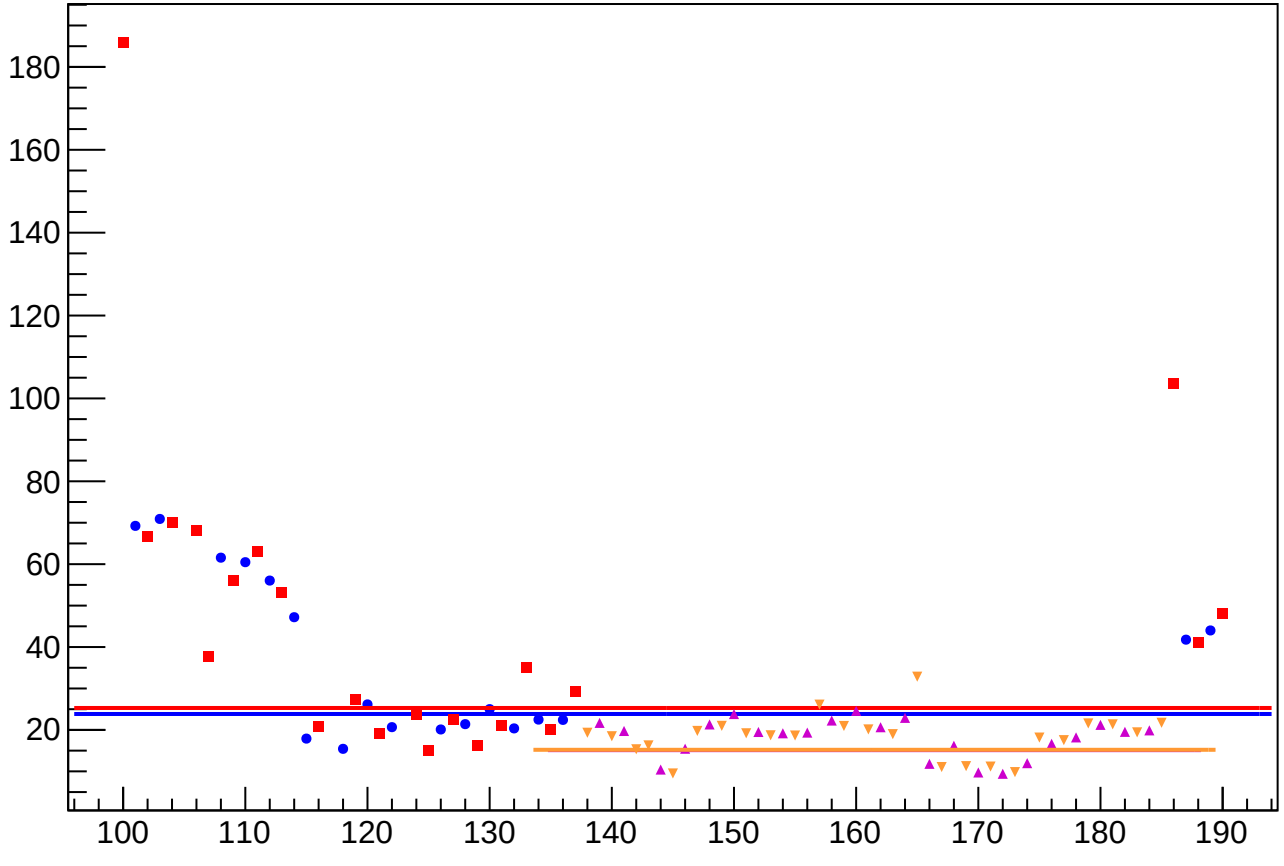
Right: 0.011+/-0.007 χ^2/NDF: 37.5/39

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.001+/-0.003 χ^2/NDF:45.5/46

All: 0.001+/-0.002 χ^2/NDF: 90.3/87

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 25.295+/-0.007 χ^2/NDF: 3771644.0/21

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

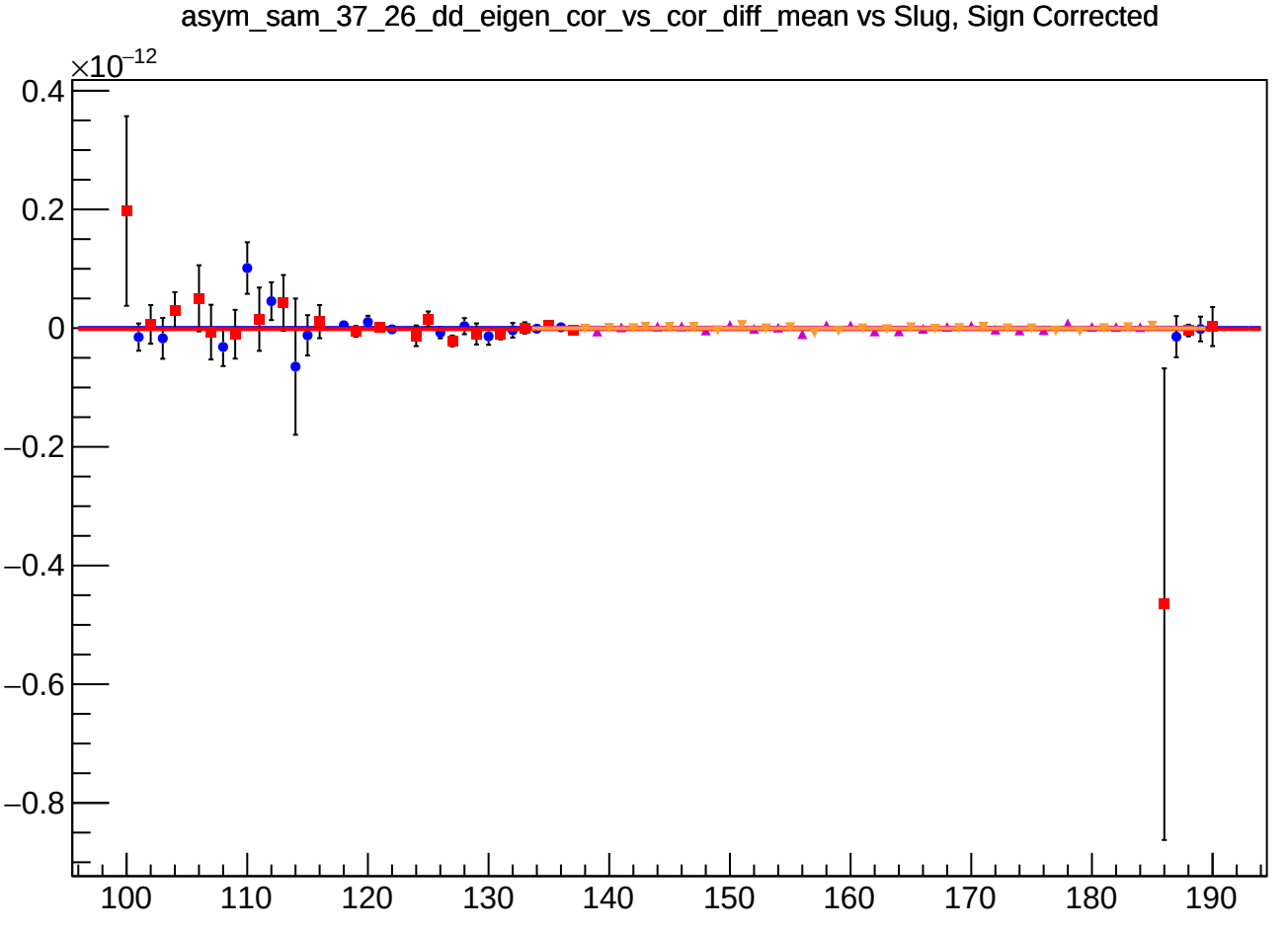
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

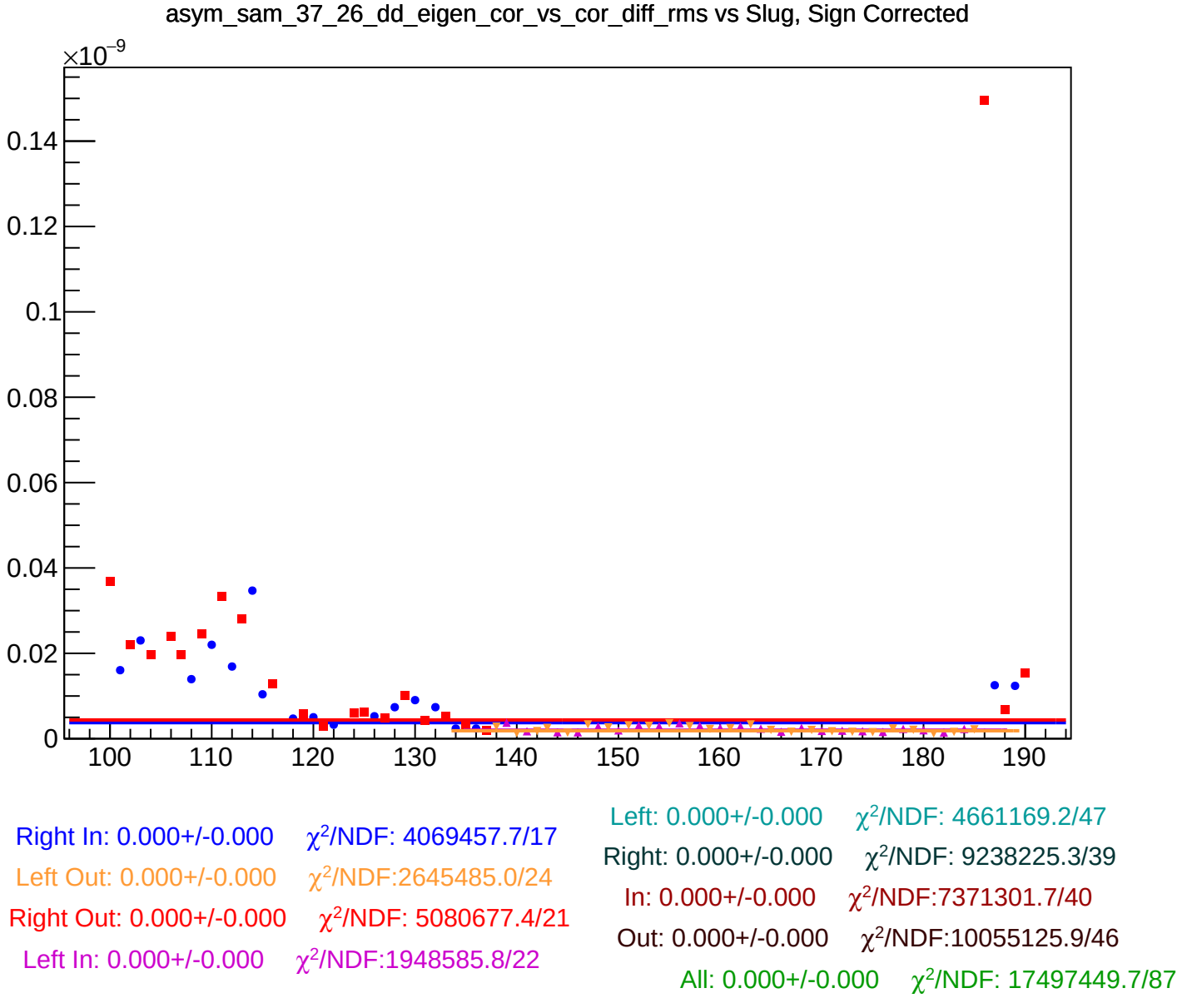
Right: 24.566+/-0.005 χ^2/NDF: 6493301.1/39

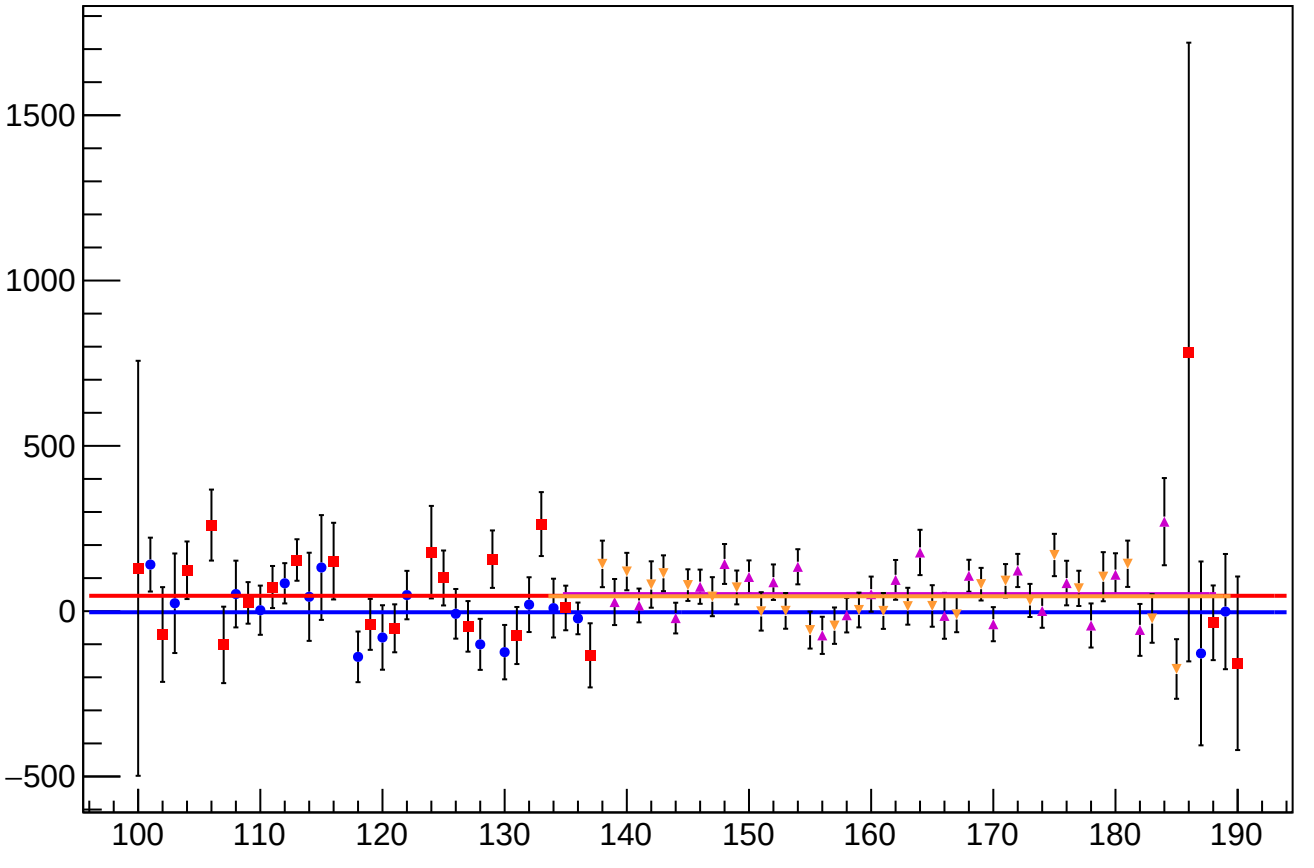
In: 16.297+/-0.003 χ^2/NDF:7508881.1/40

Out: 16.483+/-0.002 χ^2/NDF:9097578.9/46

All: 16.392+/-0.002 χ^2/NDF: 16609280.2/87


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 13.1/17
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/21
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: 30.5/39
In: 0.000+/-0.000 χ²/NDF:52.7/40
Out: -0.000+/-0.000 χ²/NDF:38.8/46
All: 0.000+/-0.000 χ²/NDF: 93.5/87


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4069457.7/17
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5080677.4/21
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: 9238225.3/39
In: 0.000+/-0.000 χ²/NDF:7371301.7/40
Out: 0.000+/-0.000 χ²/NDF:10055125.9/46
All: 0.000+/-0.000 χ²/NDF: 17497449.7/87



Right In: -3.232+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 46.529+/-19.275 χ^2/NDF: 31.1/21

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

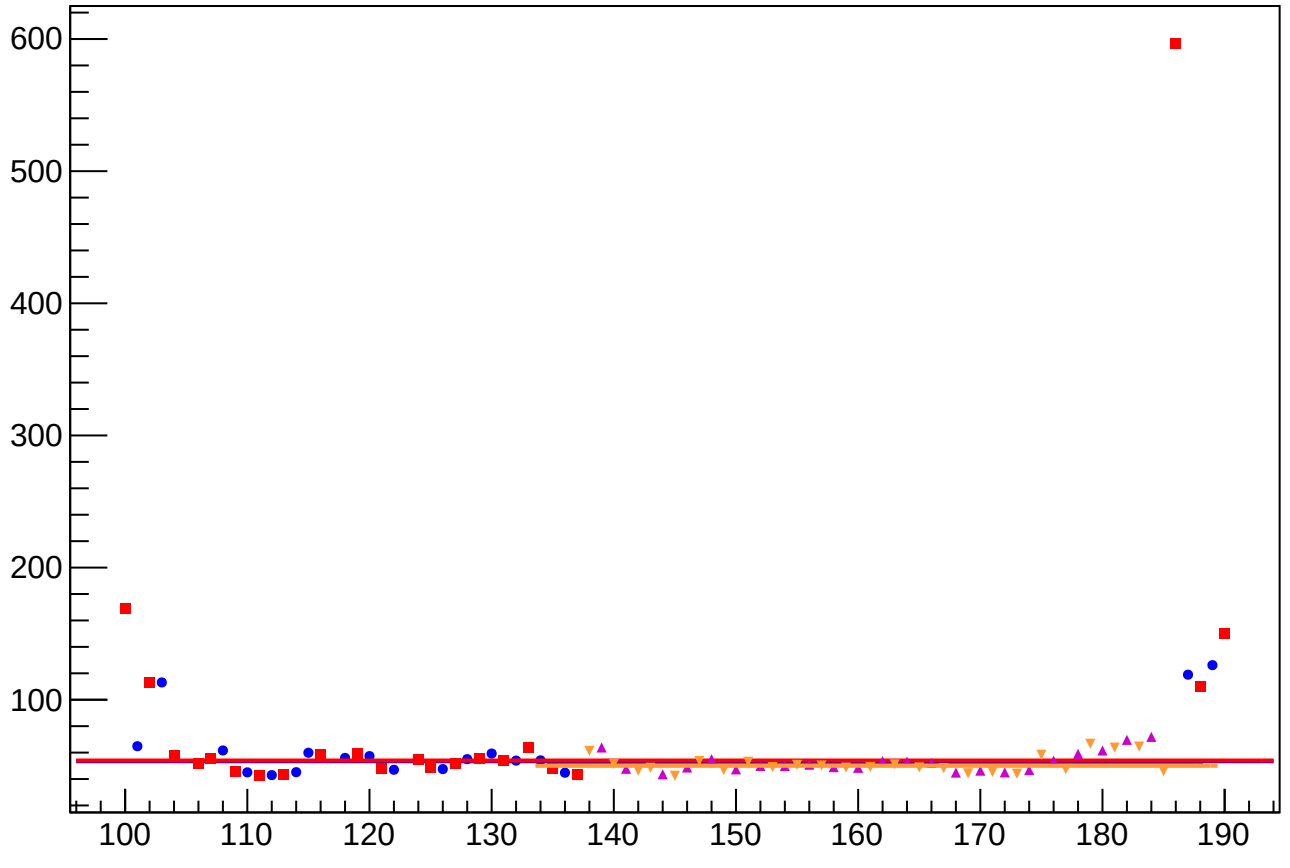
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 22.334+/-13.816 χ^2/NDF: 49.2/39

In: 37.025+/-10.220 χ^2/NDF:56.3/40

Out: 45.469+/-9.872 χ^2/NDF:62.5/46

All: 41.393+/-7.100 χ^2/NDF: 119.1/87



Right In: 53.425+/-0.014 χ^2/NDF: 1031027.9/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 54.019+/-0.014 χ^2/NDF: 2105809.4/21

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

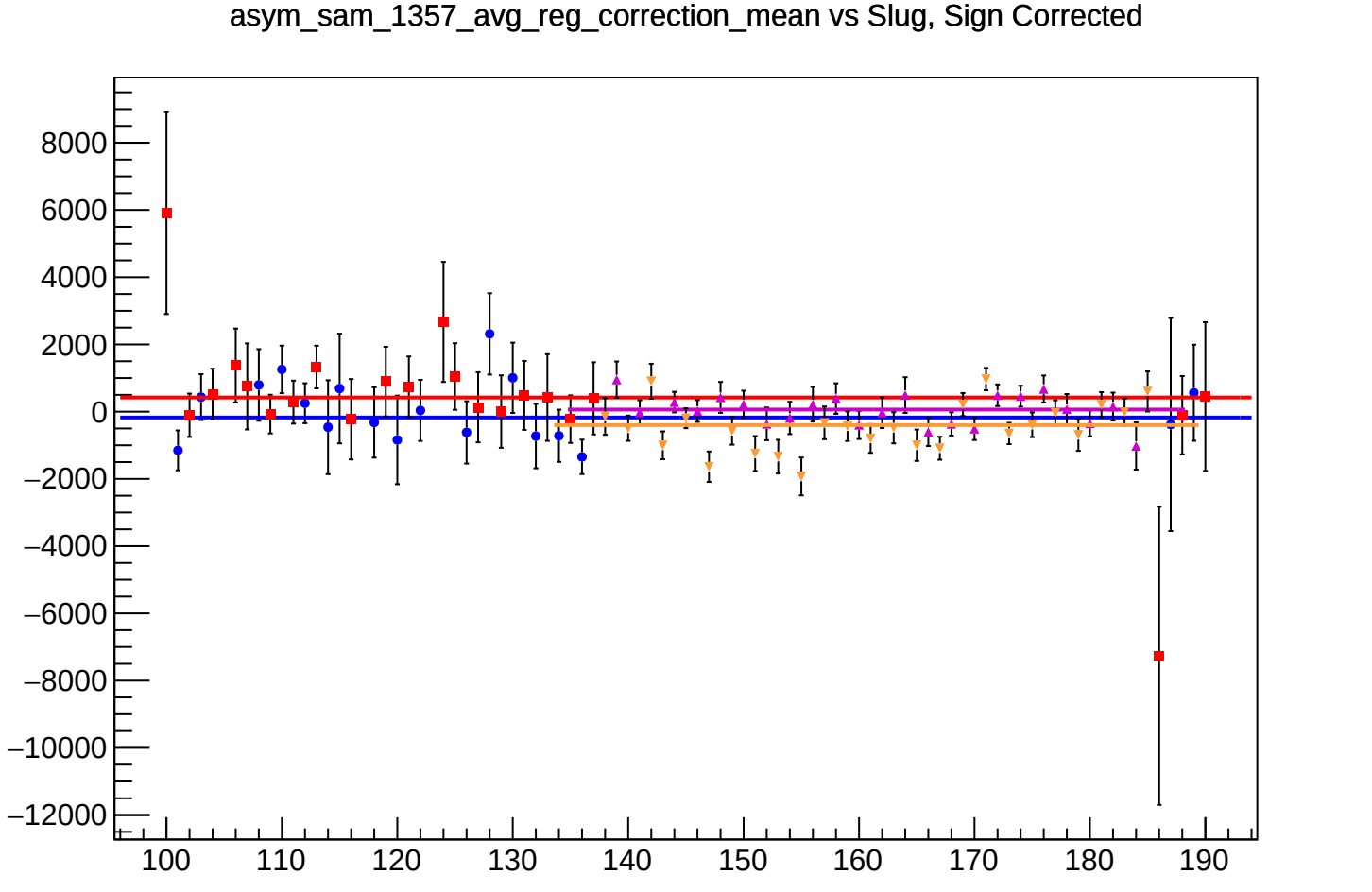
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 53.730+/-0.010 χ^2/NDF: 3137760.7/39

In: 51.287+/-0.007 χ^2/NDF:1566167.5/40

Out: 51.070+/-0.007 χ^2/NDF:2678382.8/46

All: 51.175+/-0.005 χ^2/NDF: 4245017.6/87



Right In: -174.156+/-203.289 χ^2/NDF: 21.6/17

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 420.401+/-199.835 χ^2/NDF: 14.5/21

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

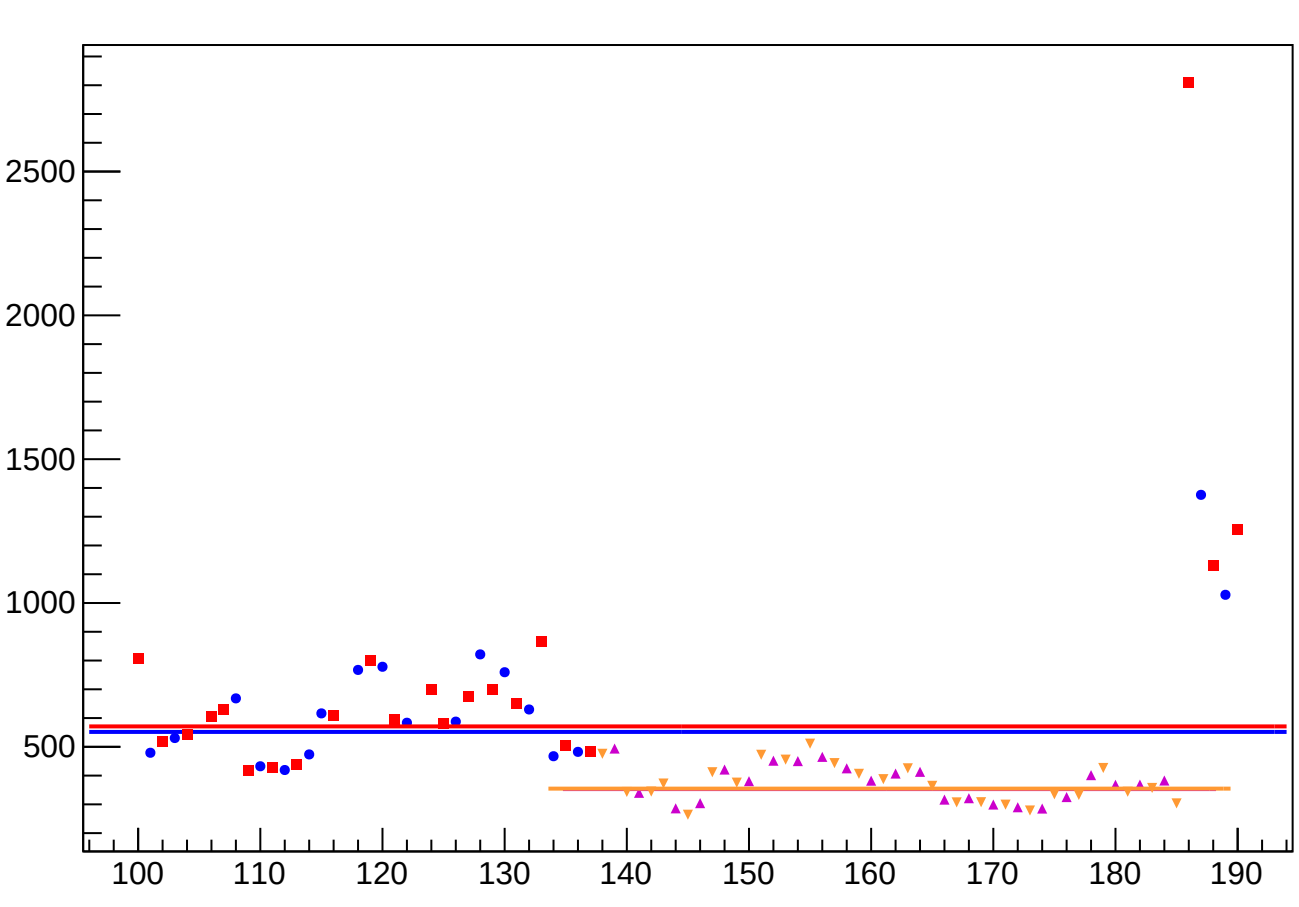
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 128.216+/-142.510 χ^2/NDF: 40.5/39

In: 27.667+/-77.548 χ^2/NDF:46.7/40

Out: -281.068+/-75.912 χ^2/NDF:94.3/46

All: -129.992+/-54.247 χ^2/NDF: 149.1/87



Right In: 551.835+/-0.144 χ^2/NDF: 980322.6/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 571.000+/-0.141 χ^2/NDF: 1839798.8/21

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

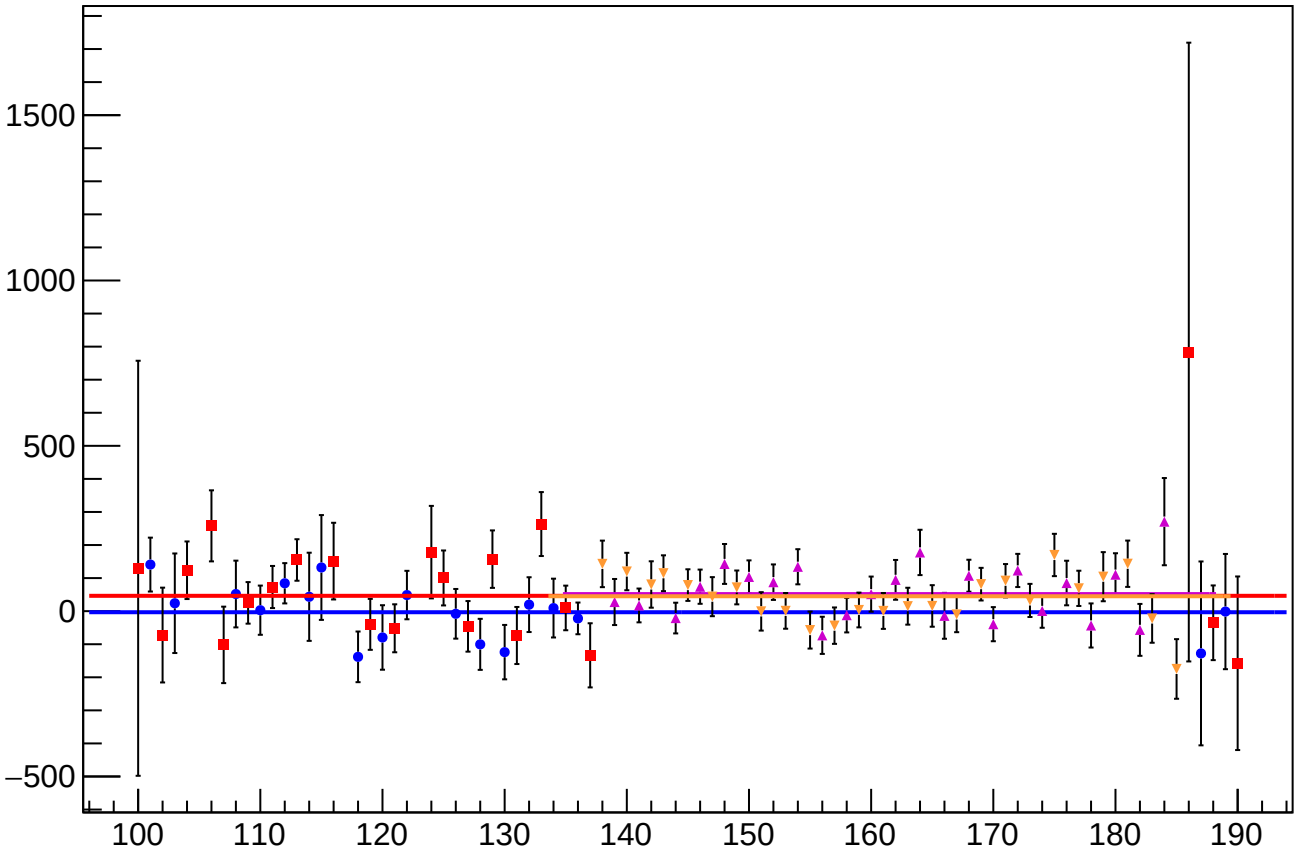
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 561.582+/-0.101 χ^2/NDF: 2829162.2/39

In: 382.028+/-0.055 χ^2/NDF:3617539.4/40

Out: 385.887+/-0.054 χ^2/NDF:4990854.7/46

All: 383.999+/-0.038 χ^2/NDF: 8610923.2/87



Right In: -3.236+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 46.416+/-19.276 χ^2/NDF: 31.1/21

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

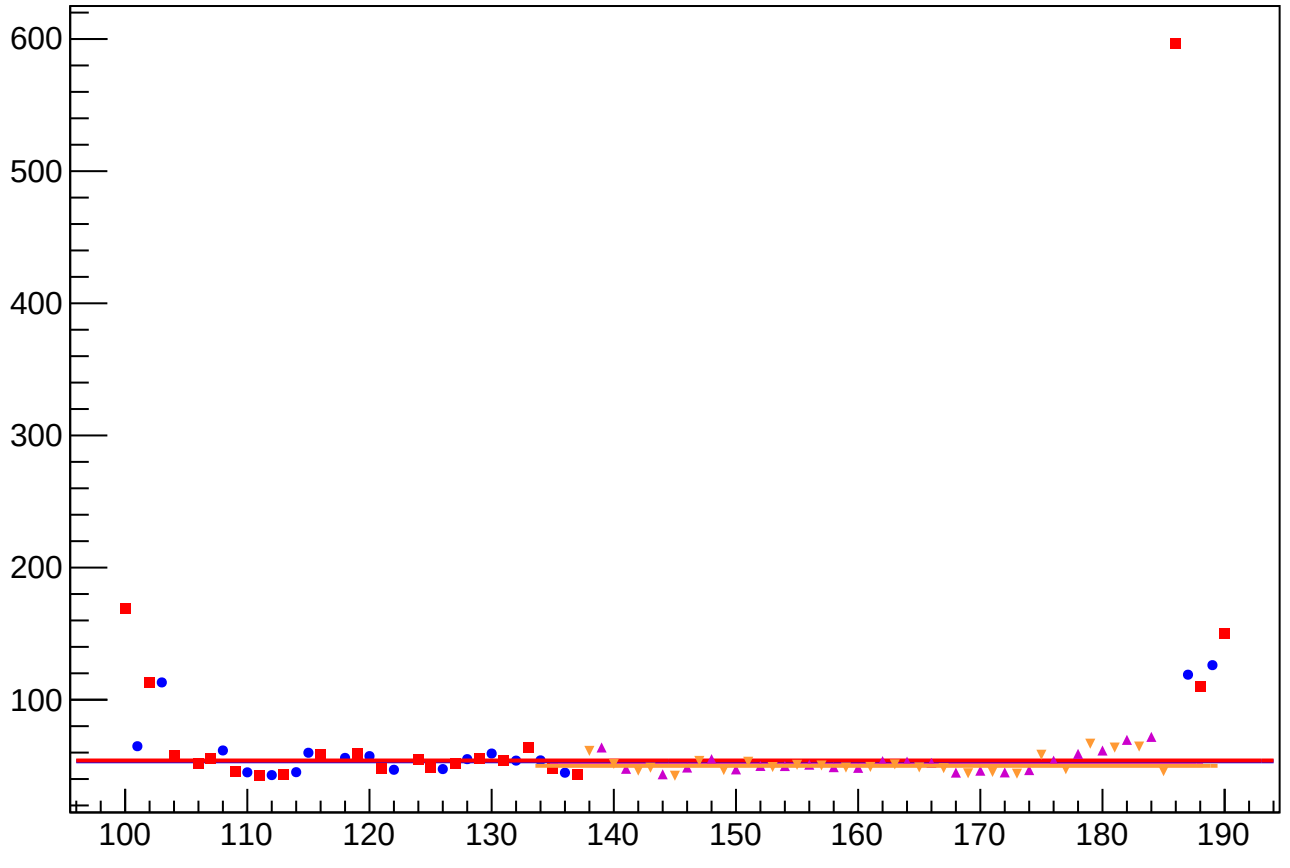
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.273+/-13.816 χ^2/NDF: 49.1/39

In: 37.023+/-10.220 χ^2/NDF:56.3/40

Out: 45.443+/-9.873 χ^2/NDF:62.4/46

All: 41.378+/-7.100 χ^2/NDF: 119.0/87



Right In: 53.425+/-0.014 χ^2/NDF: 1031030.2/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 54.009+/-0.014 χ^2/NDF: 2106291.8/21

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

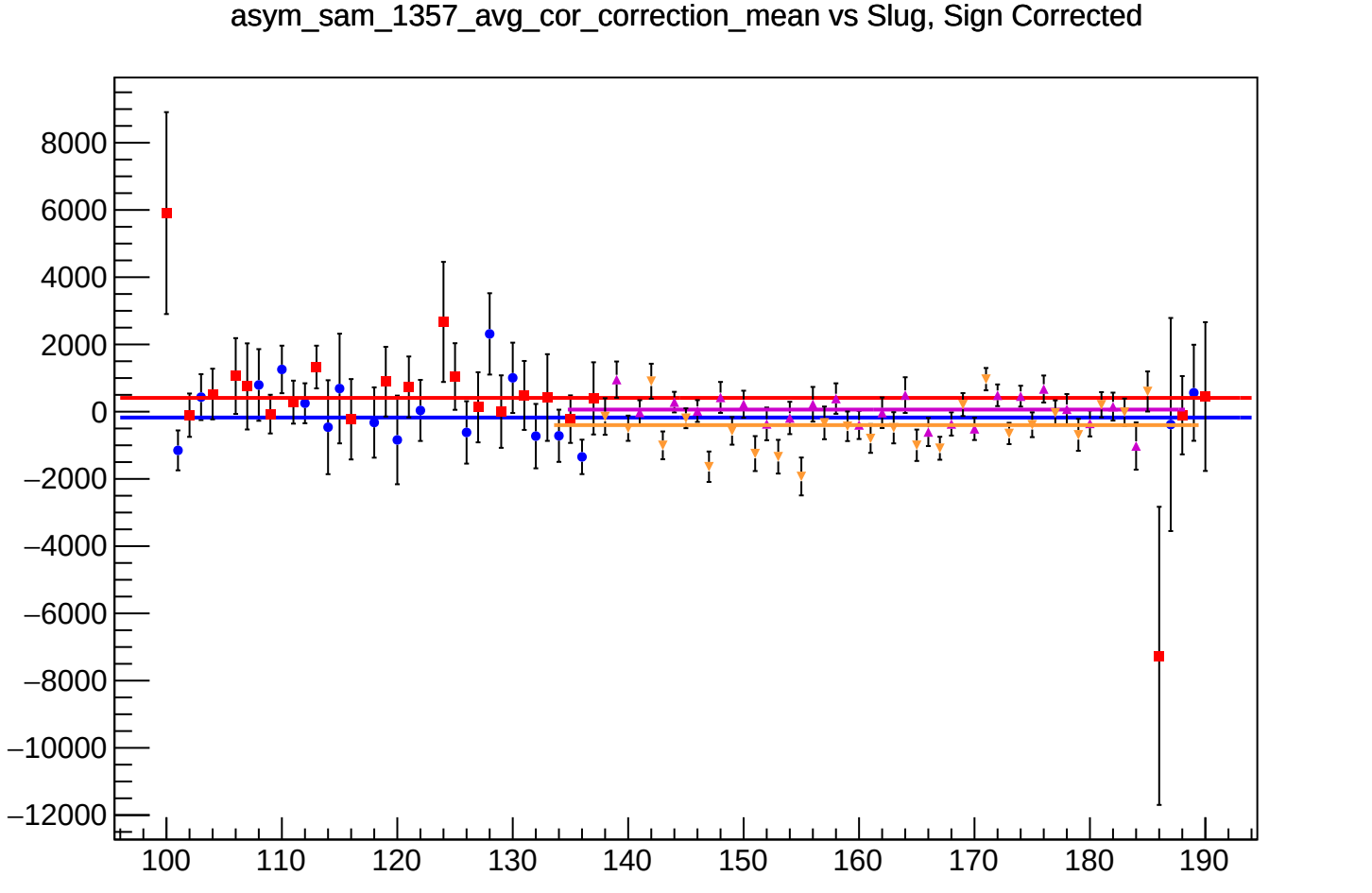
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 53.725+/-0.010 χ^2/NDF: 3138215.2/39

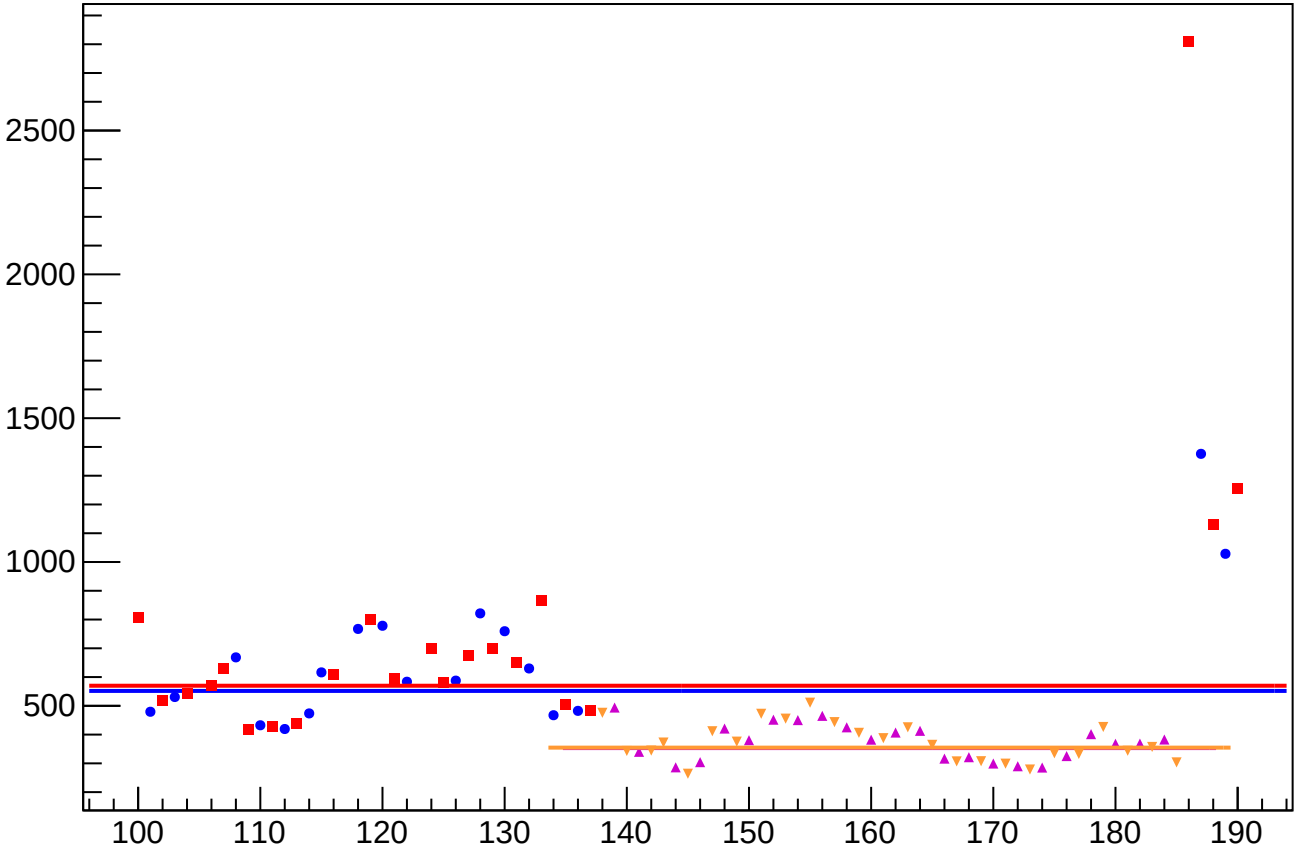
In: 51.287+/-0.007 χ^2/NDF:1566169.8/40

Out: 51.067+/-0.007 χ^2/NDF:2678551.5/46

All: 51.173+/-0.005 χ^2/NDF: 4245200.0/87


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -174.133+/-203.291 χ²/NDF: 21.6/17
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 409.424+/-200.017 χ²/NDF: 14.1/21
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 122.382+/-142.577 χ²/NDF: 39.9/39
In: 27.671+/-77.549 χ²/NDF:46.7/40
Out: -282.829+/-75.922 χ²/NDF:93.5/46
All: -130.870+/-54.251 χ²/NDF: 148.4/87

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.840+/-0.144 χ^2/NDF: 980312.4/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 569.883+/-0.141 χ^2/NDF: 1837423.2/21

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

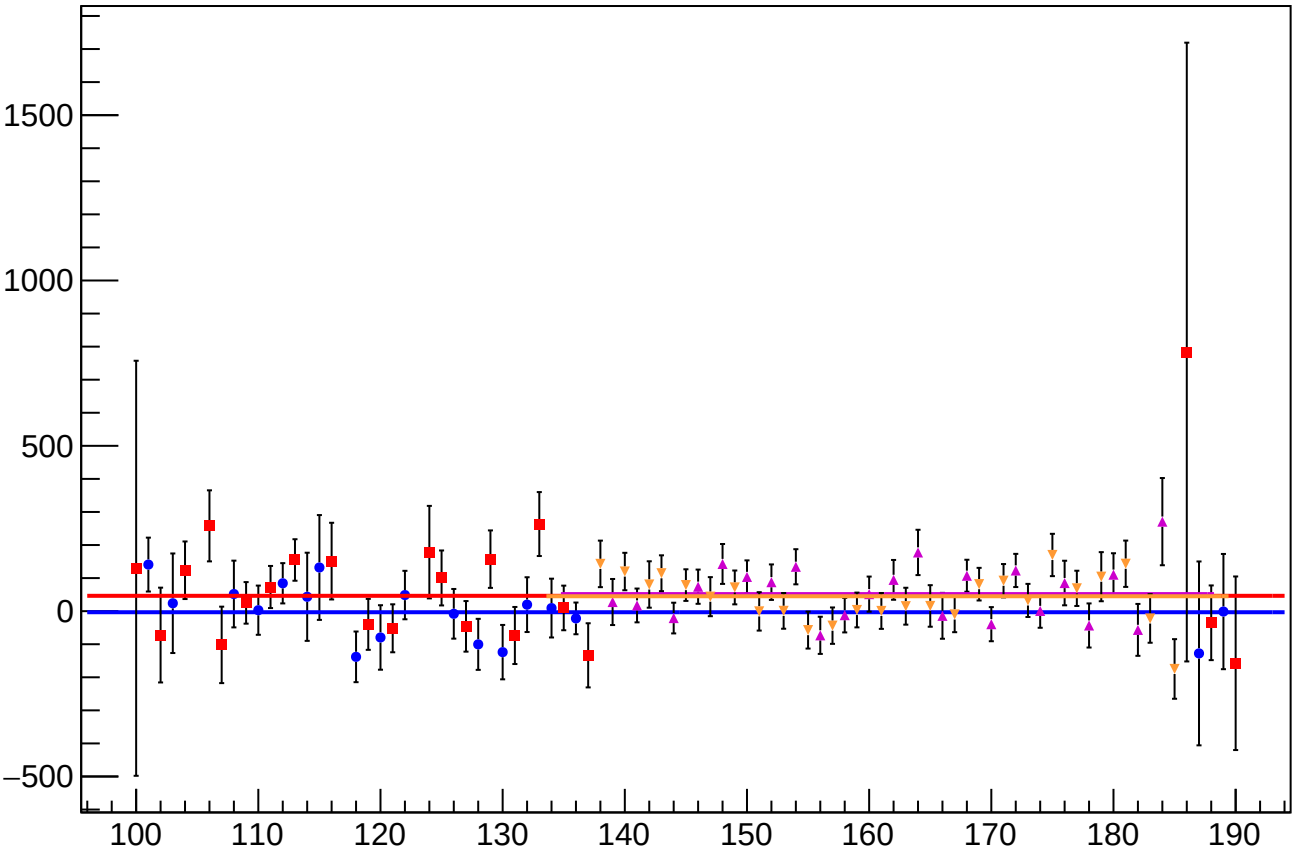
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 561.008+/-0.101 χ^2/NDF: 2825740.6/39

In: 382.028+/-0.055 χ^2/NDF:3617591.3/40

Out: 385.677+/-0.054 χ^2/NDF:4964731.2/46

All: 383.892+/-0.038 χ^2/NDF: 8584583.5/87



Right In: -3.236+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 46.416+/-19.276 χ^2/NDF: 31.1/21

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

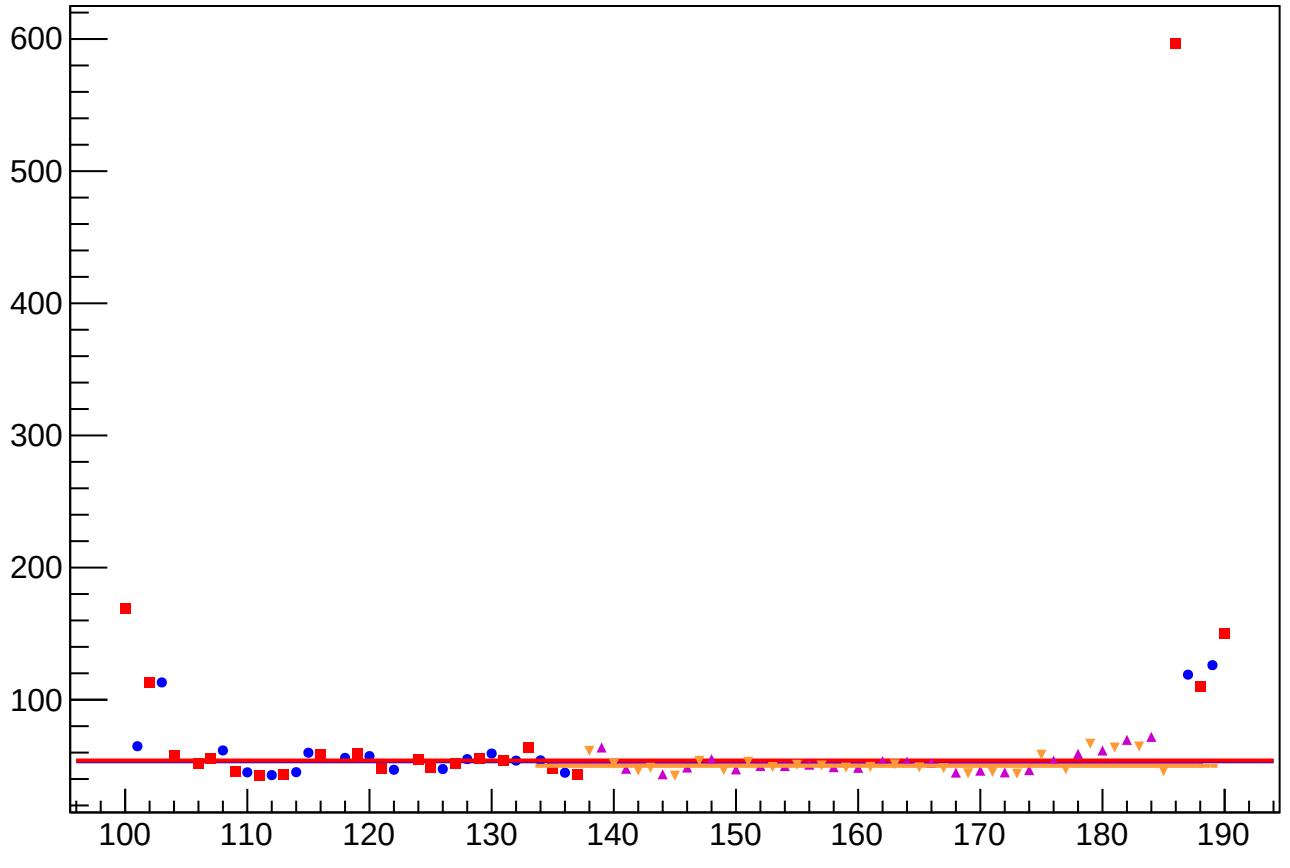
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.273+/-13.816 χ^2/NDF: 49.1/39

In: 37.023+/-10.220 χ^2/NDF:56.3/40

Out: 45.443+/-9.873 χ^2/NDF:62.4/46

All: 41.378+/-7.100 χ^2/NDF: 119.0/87



Right In: 53.425+/-0.014 χ^2/NDF: 1031030.2/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 54.009+/-0.014 χ^2/NDF: 2106291.8/21

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

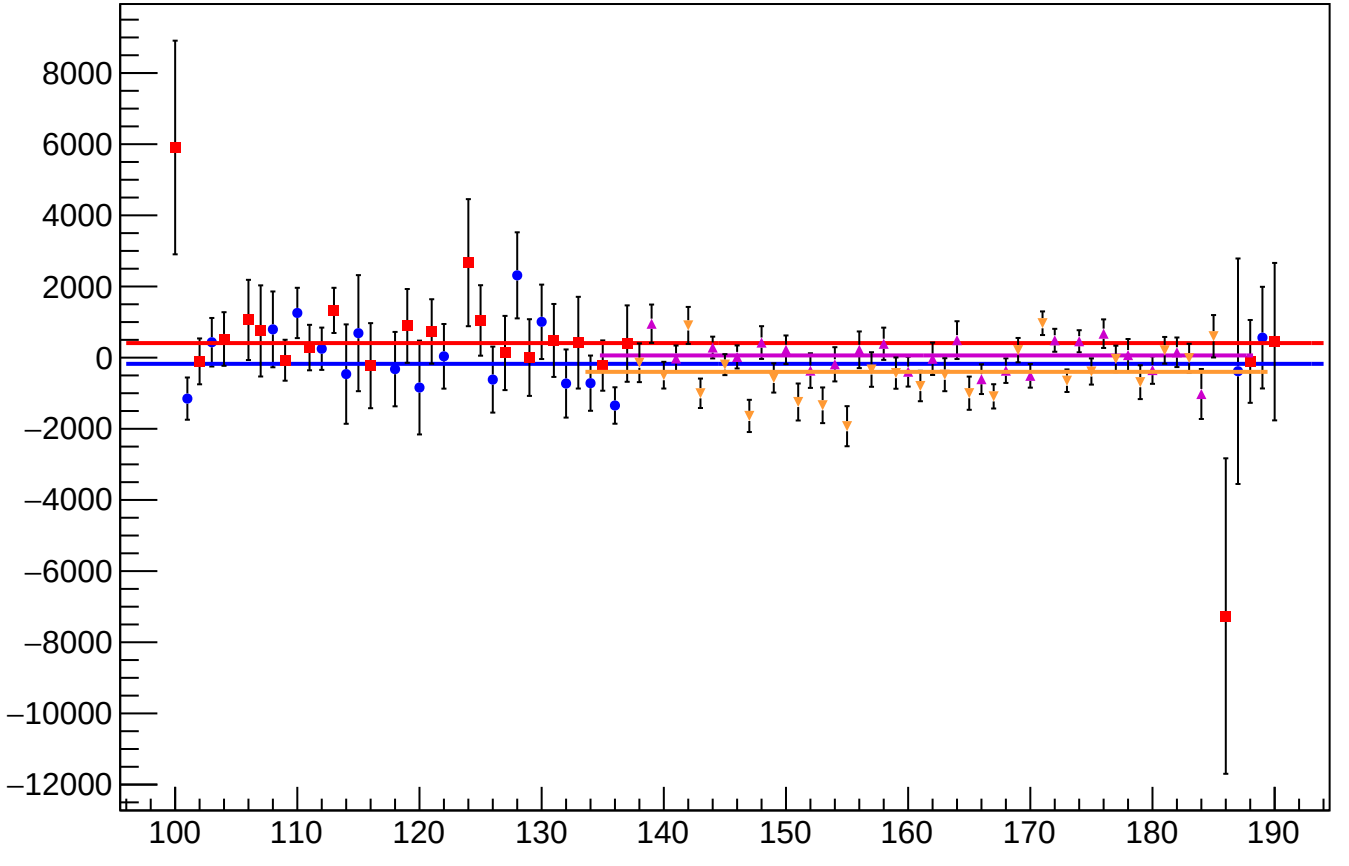
Right: 53.725+/-0.010 χ^2/NDF: 3138215.2/39

In: 51.287+/-0.007 χ^2/NDF:1566169.8/40

Out: 51.067+/-0.007 χ^2/NDF:2678551.5/46

All: 51.173+/-0.005 χ^2/NDF: 4245200.0/87

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -174.133+/-203.291 χ^2/NDF: 21.6/17

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 409.424+/-200.017 χ^2/NDF: 14.1/21

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

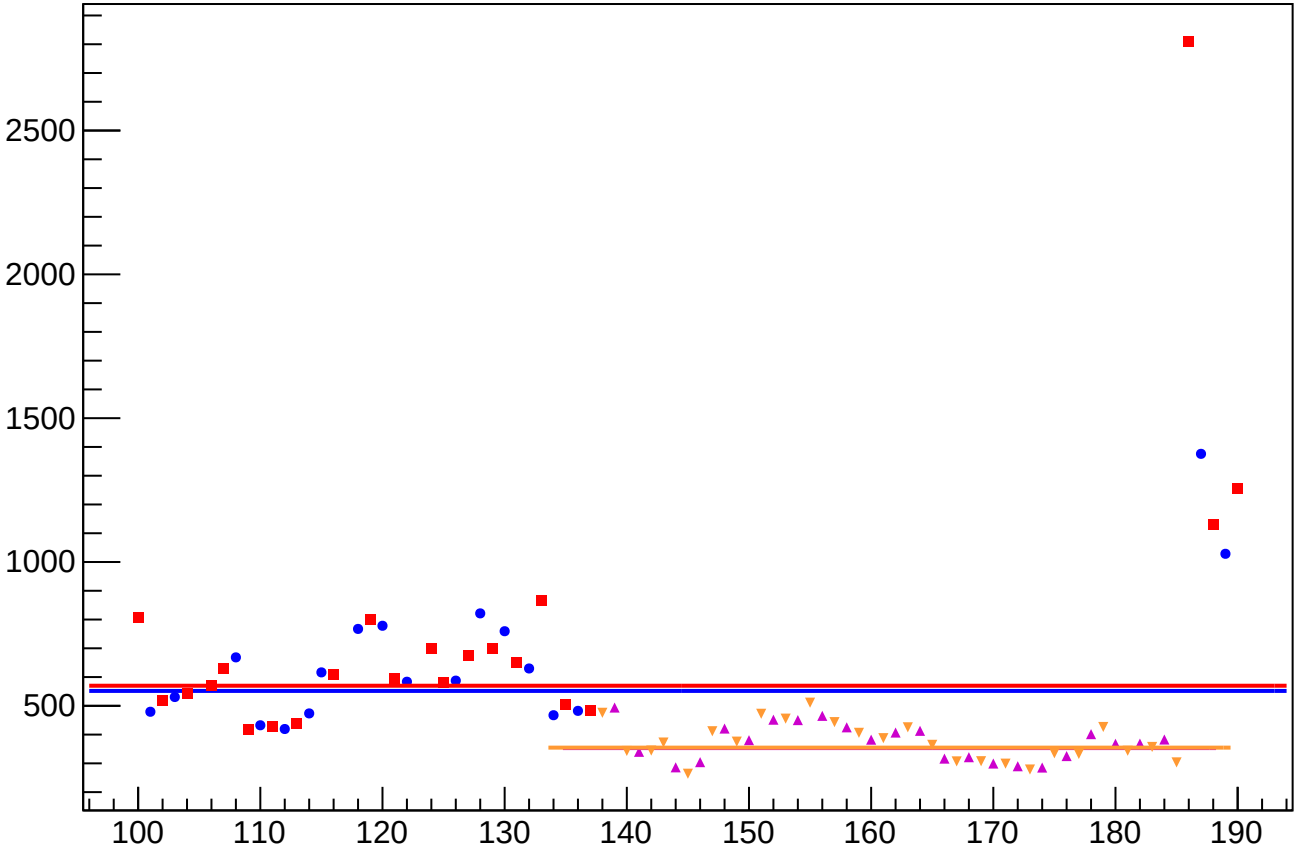
Right: 122.382+/-142.577 χ^2/NDF: 39.9/39

In: 27.671+/-77.549 χ^2/NDF:46.7/40

Out: -282.829+/-75.922 χ^2/NDF:93.5/46

All: -130.870+/-54.251 χ^2/NDF: 148.4/87

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.840+/-0.144 χ^2/NDF: 980312.4/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 569.883+/-0.141 χ^2/NDF: 1837423.2/21

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

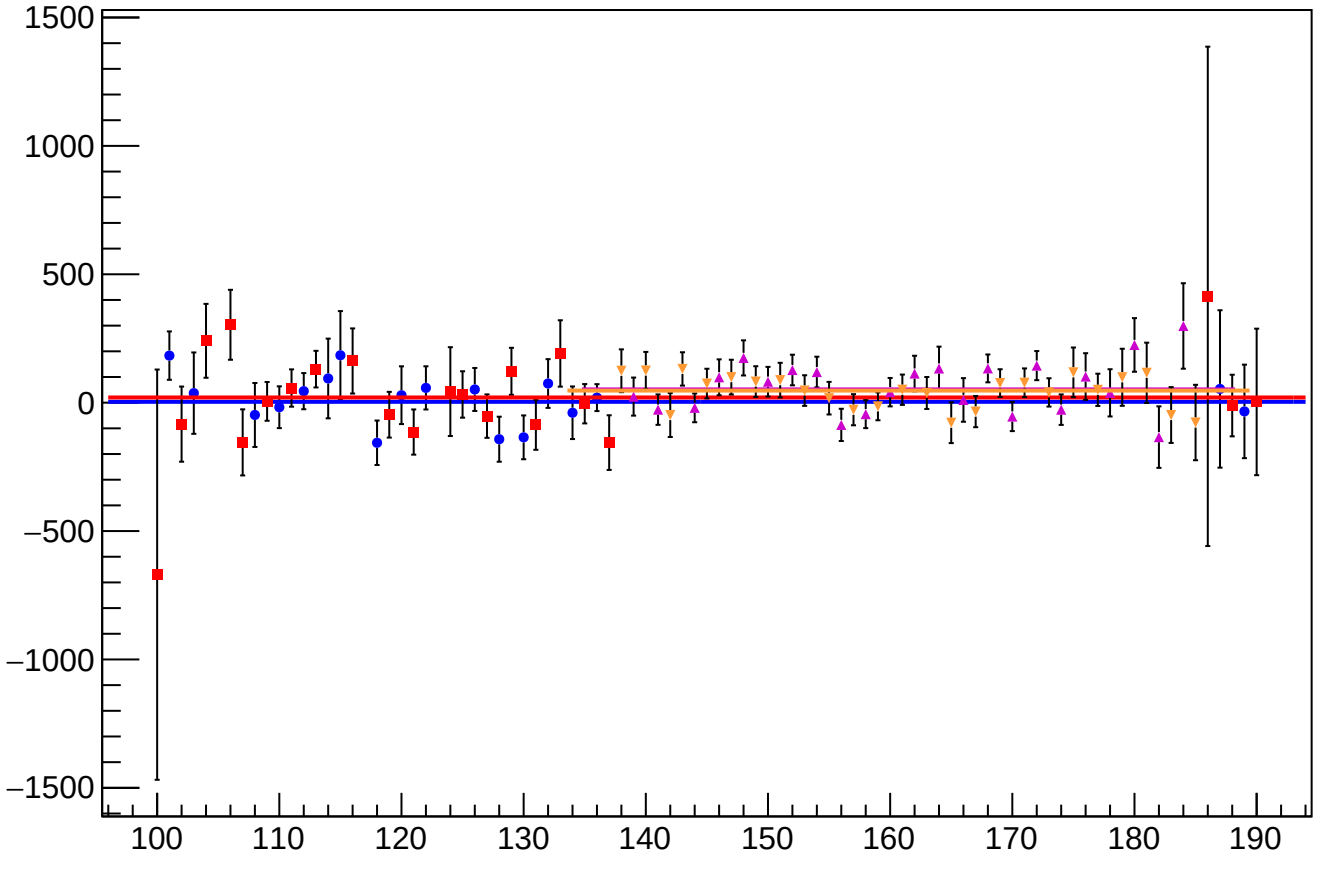
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 561.008+/-0.101 χ^2/NDF: 2825740.6/39

In: 382.028+/-0.055 χ^2/NDF:3617591.3/40

Out: 385.677+/-0.054 χ^2/NDF:4964731.2/46

All: 383.892+/-0.038 χ^2/NDF: 8584583.5/87



Right In: 3.298+/-22.252 χ^2/NDF: 16.2/17

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 20.229+/-22.295 χ^2/NDF: 24.7/21

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

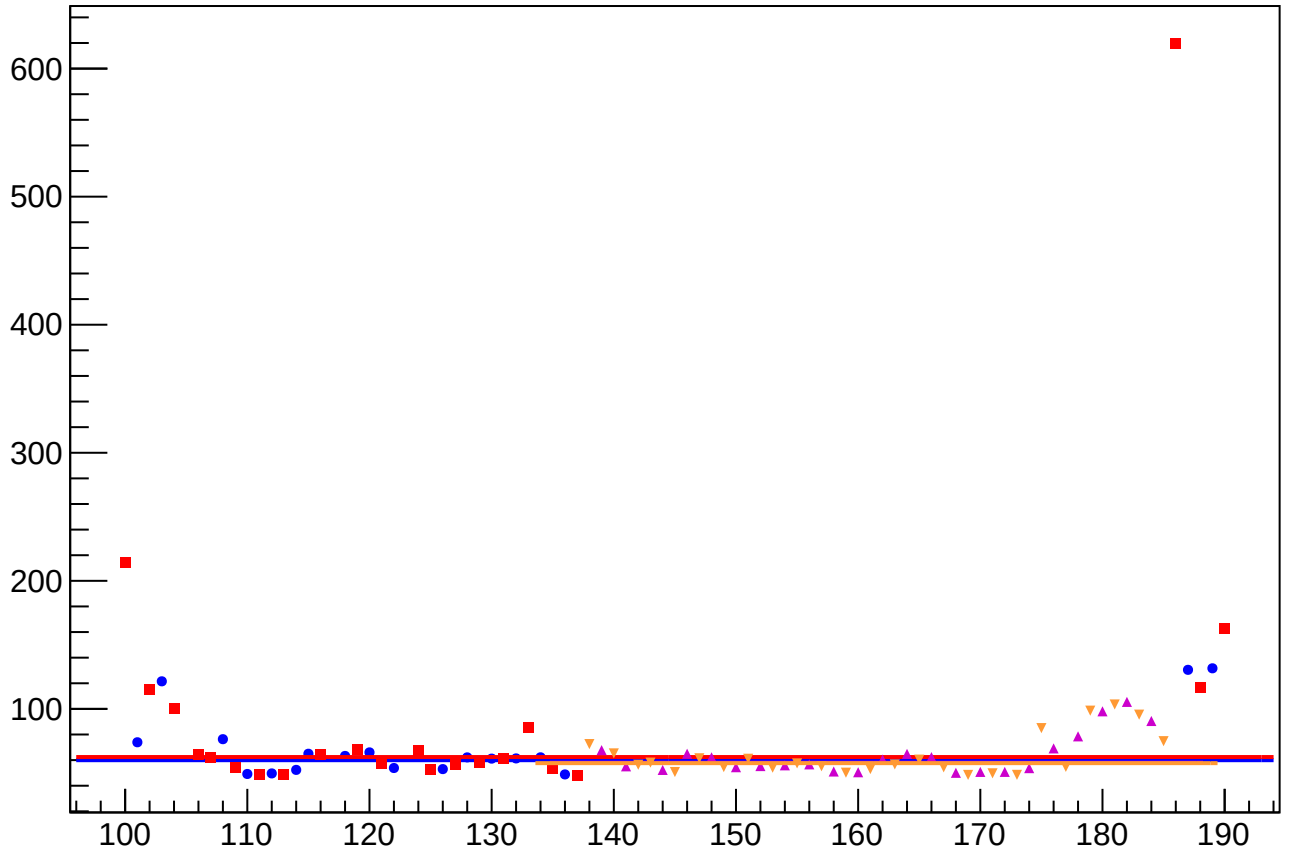
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 11.747+/-15.750 χ^2/NDF: 41.2/39

In: 38.032+/-11.809 χ^2/NDF:57.8/40

Out: 39.919+/-11.555 χ^2/NDF:42.7/46

All: 38.996+/-8.259 χ^2/NDF: 100.5/87



Right In: 59.939+/-0.016 χ^2/NDF: 1008135.7/17

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 62.394+/-0.016 χ^2/NDF: 2135799.6/21

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

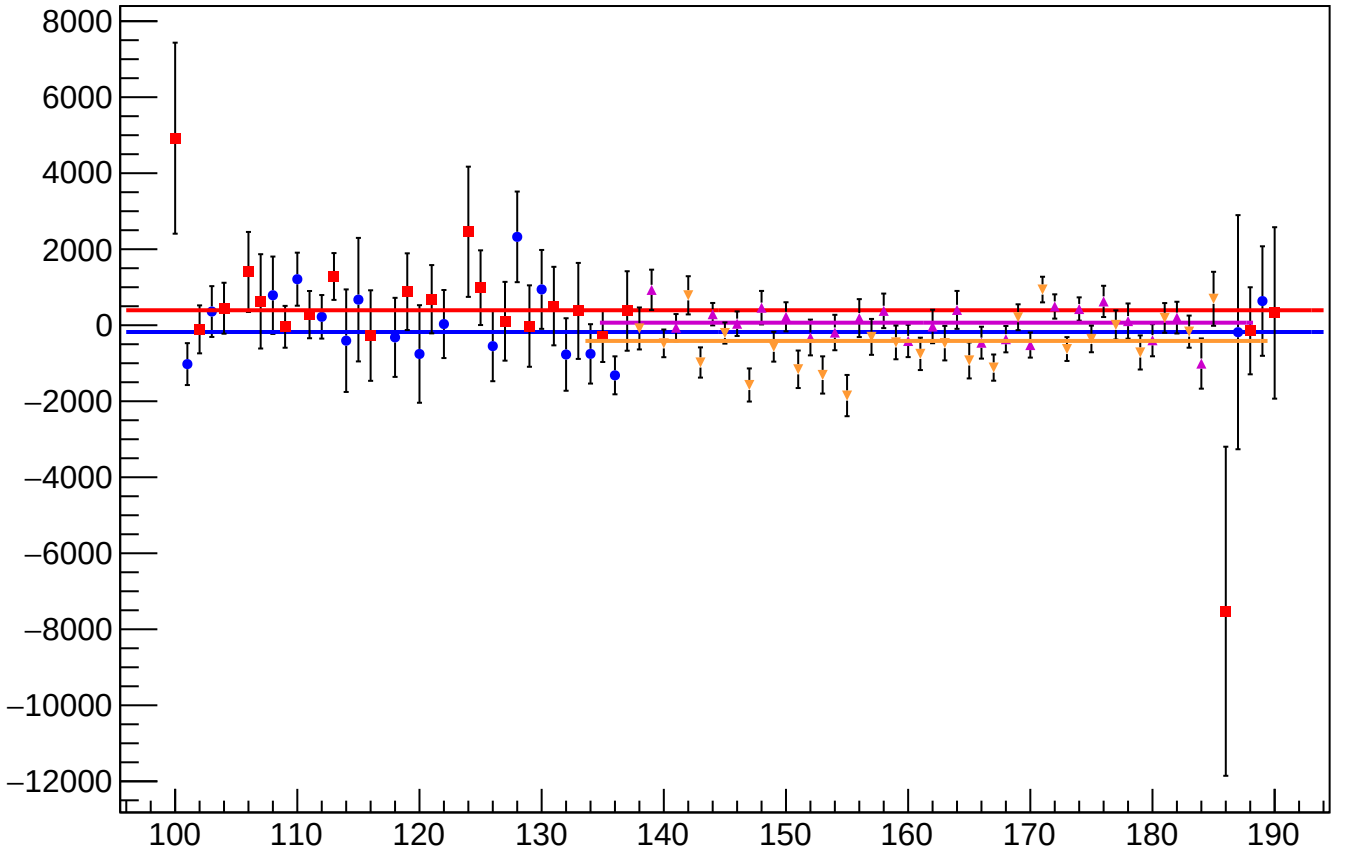
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 61.164+/-0.011 χ^2/NDF: 3156093.0/39

In: 58.503+/-0.008 χ^2/NDF:2144247.9/40

Out: 58.910+/-0.008 χ^2/NDF:3568025.8/46

All: 58.711+/-0.006 χ^2/NDF: 5713490.2/87



Right In: -178.136+/-198.275 χ^2/NDF: 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 394.053+/-193.246 χ^2/NDF: 14.9/21

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

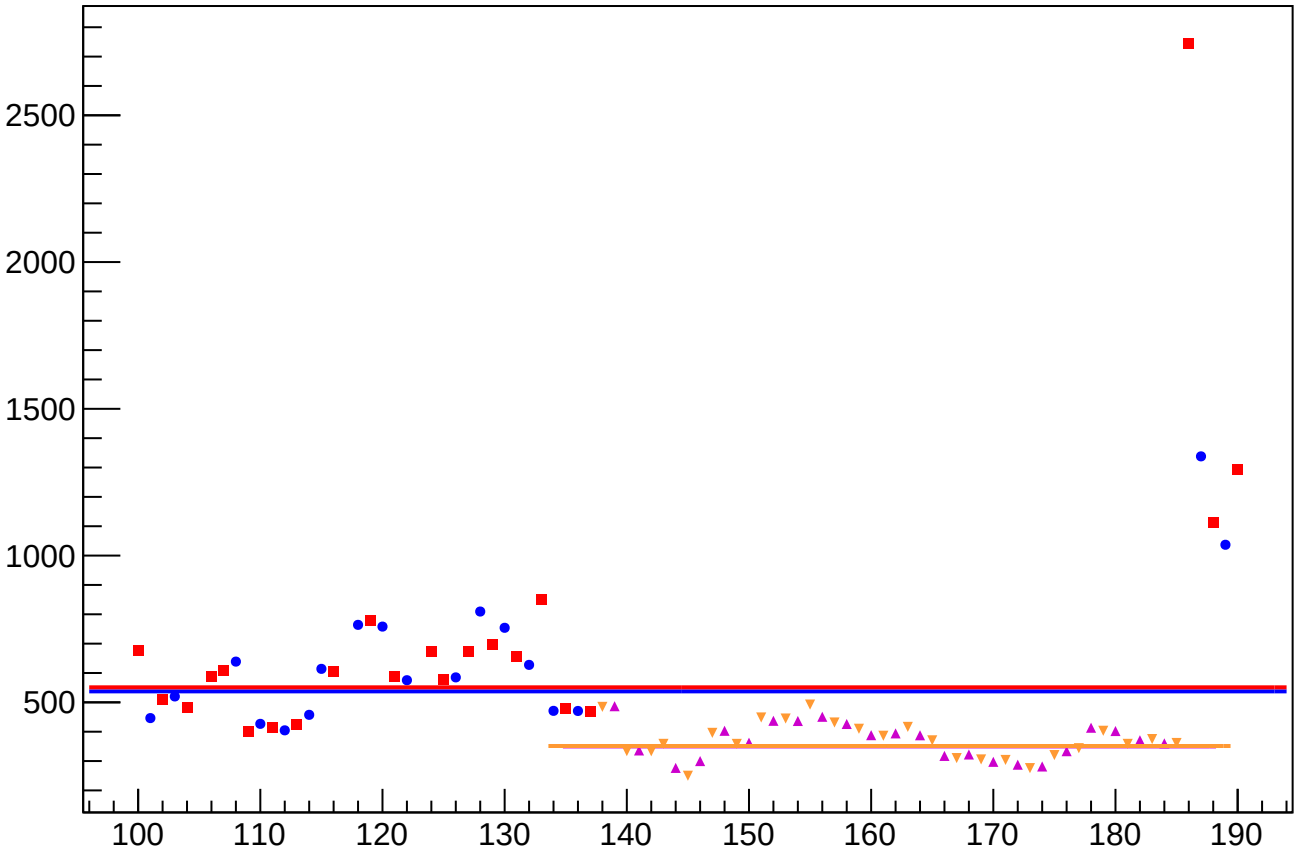
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 115.308+/-138.389 χ^2/NDF: 40.3/39

In: 30.079+/-76.627 χ^2/NDF:45.3/40

Out: -292.102+/-74.808 χ^2/NDF:91.1/46

All: -134.879+/-53.529 χ^2/NDF: 145.4/87



Right In: 537.404+/-0.140 χ^2/NDF: 1042454.6/17

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 551.177+/-0.137 χ^2/NDF: 1937099.4/21

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

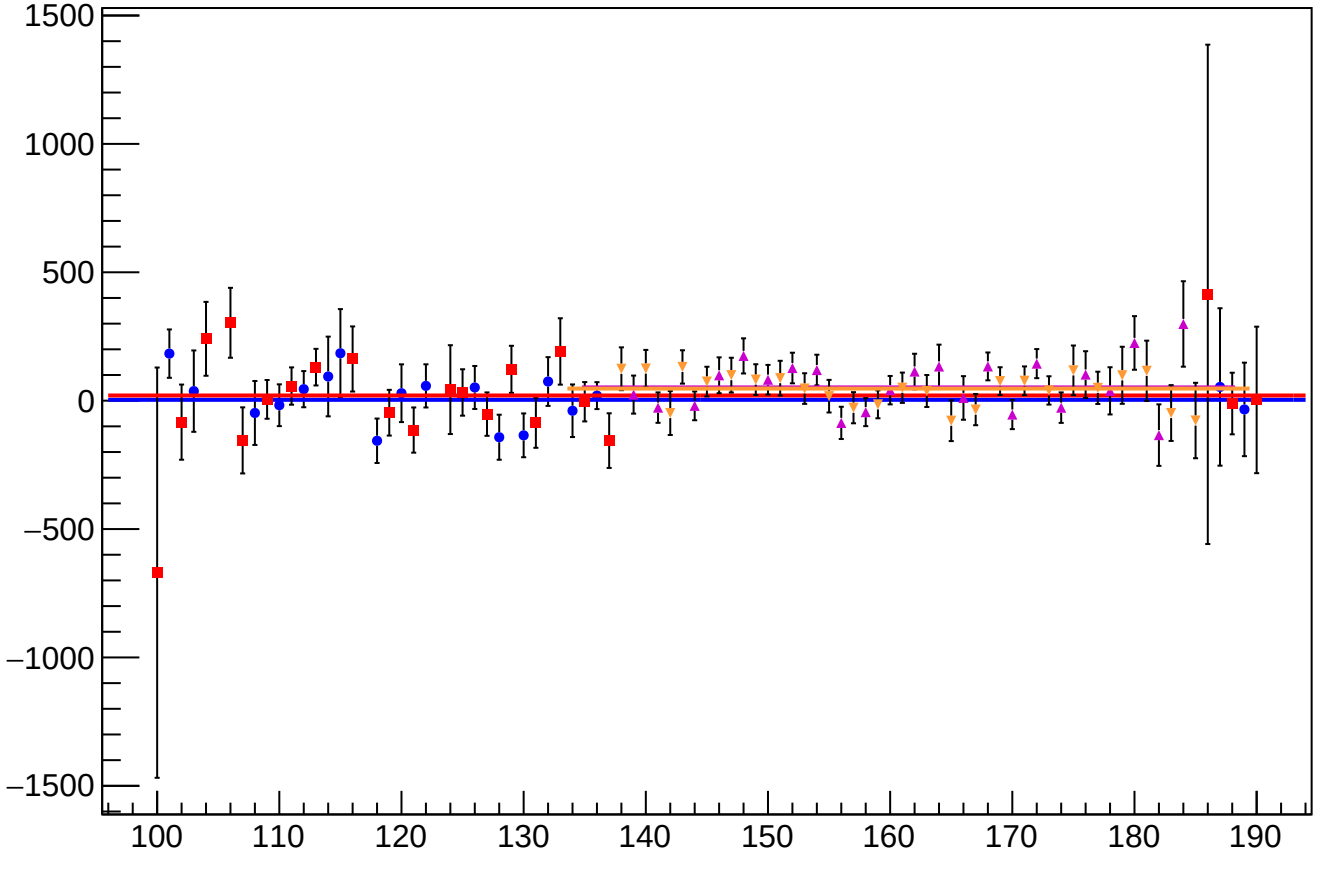
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 544.468+/-0.098 χ^2/NDF: 2984503.3/39

In: 377.831+/-0.054 χ^2/NDF:3555703.7/40

Out: 381.223+/-0.053 χ^2/NDF:4874980.9/46

All: 379.568+/-0.038 χ^2/NDF: 8432691.1/87



Right In: 3.298+/-22.252 χ^2/NDF: 16.2/17

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 20.228+/-22.295 χ^2/NDF: 24.7/21

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

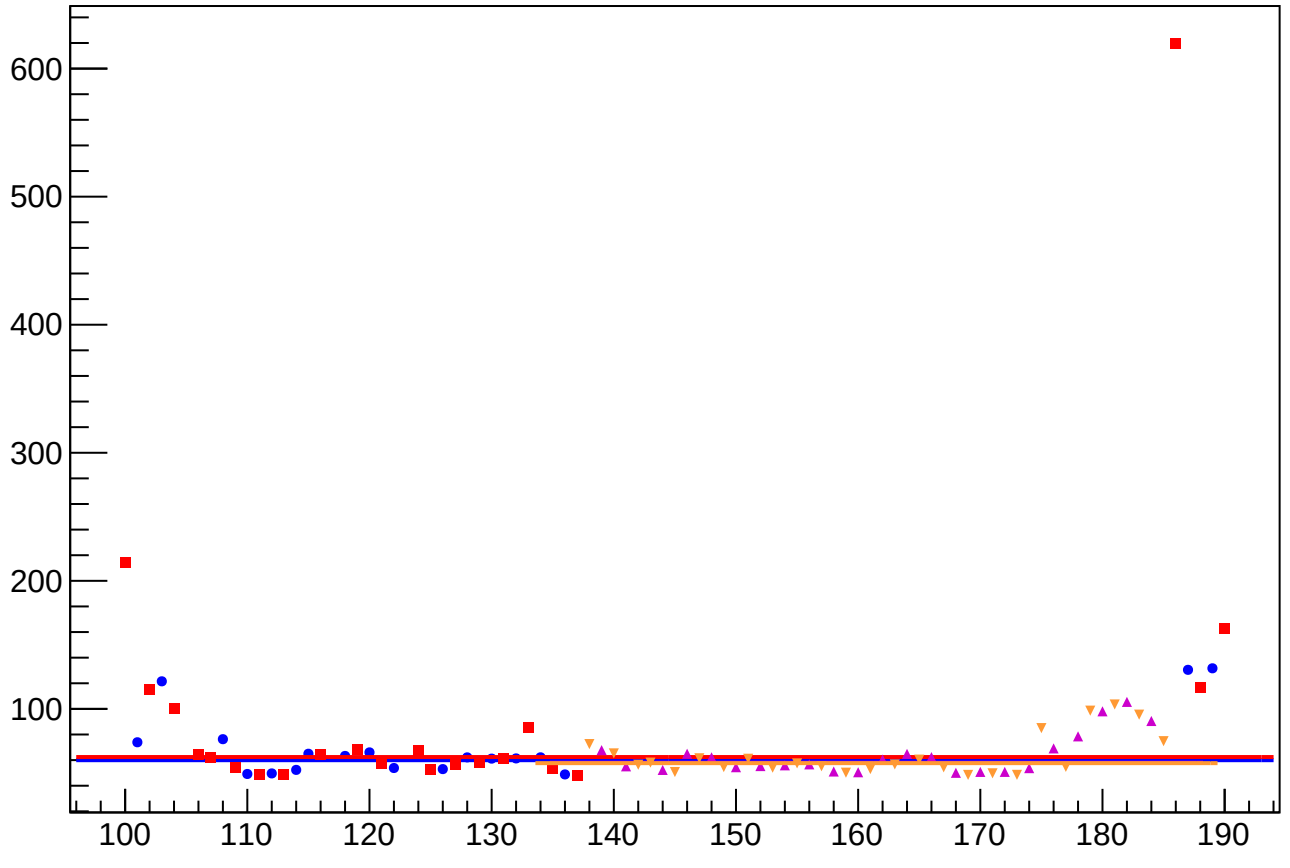
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 11.746+/-15.750 χ^2/NDF: 41.2/39

In: 38.032+/-11.809 χ^2/NDF:57.8/40

Out: 39.919+/-11.555 χ^2/NDF:42.7/46

All: 38.996+/-8.259 χ^2/NDF: 100.5/87



Right In: 59.939+/-0.016 χ^2/NDF: 1008132.3/17

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 62.395+/-0.016 χ^2/NDF: 2135801.8/21

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

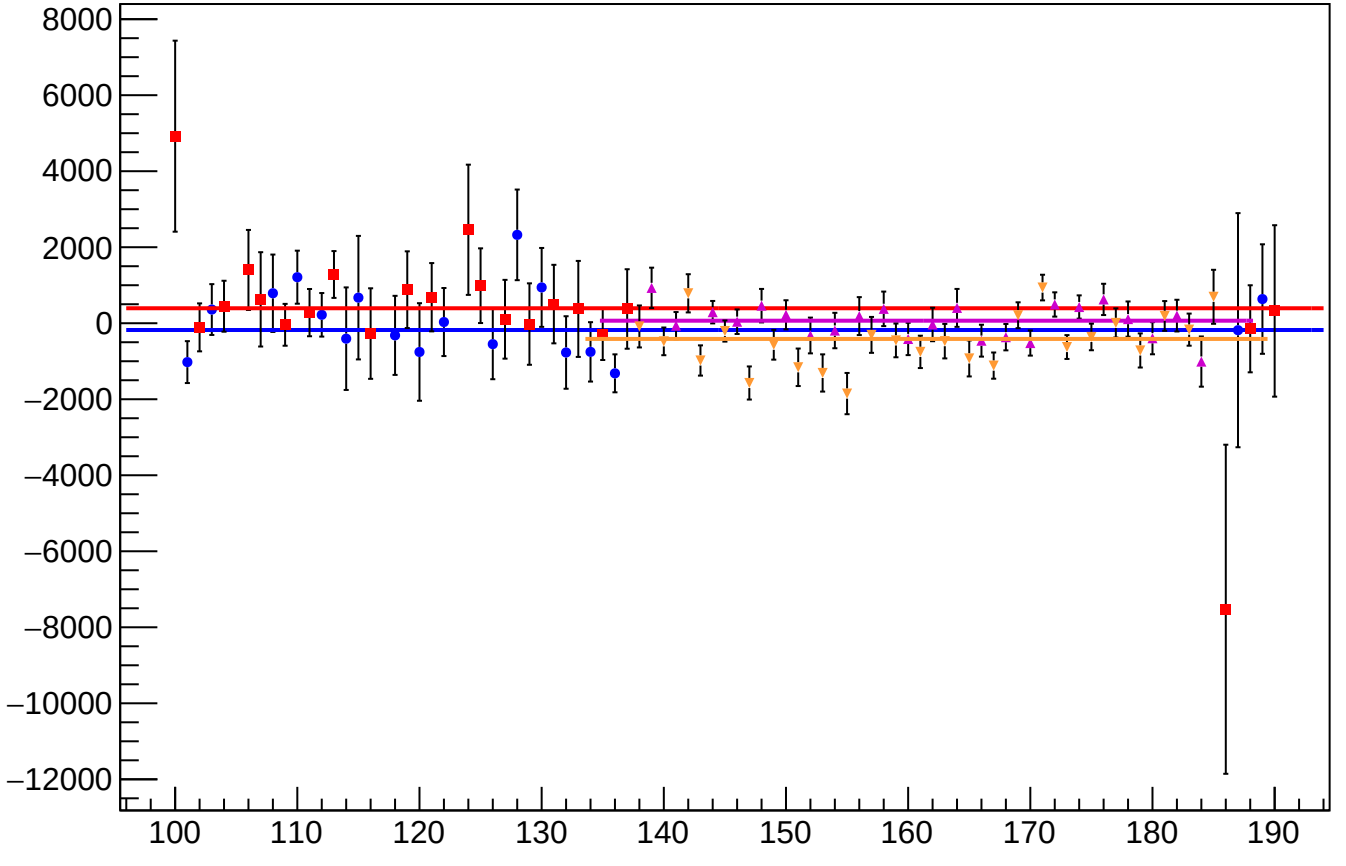
Right: 61.164+/-0.011 χ^2/NDF: 3156092.1/39

In: 58.503+/-0.008 χ^2/NDF:2144230.7/40

Out: 58.911+/-0.008 χ^2/NDF:3568023.4/46

All: 58.711+/-0.006 χ^2/NDF: 5713470.6/87

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -178.135+/-198.275 χ^2/NDF: 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 394.053+/-193.245 χ^2/NDF: 14.9/21

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

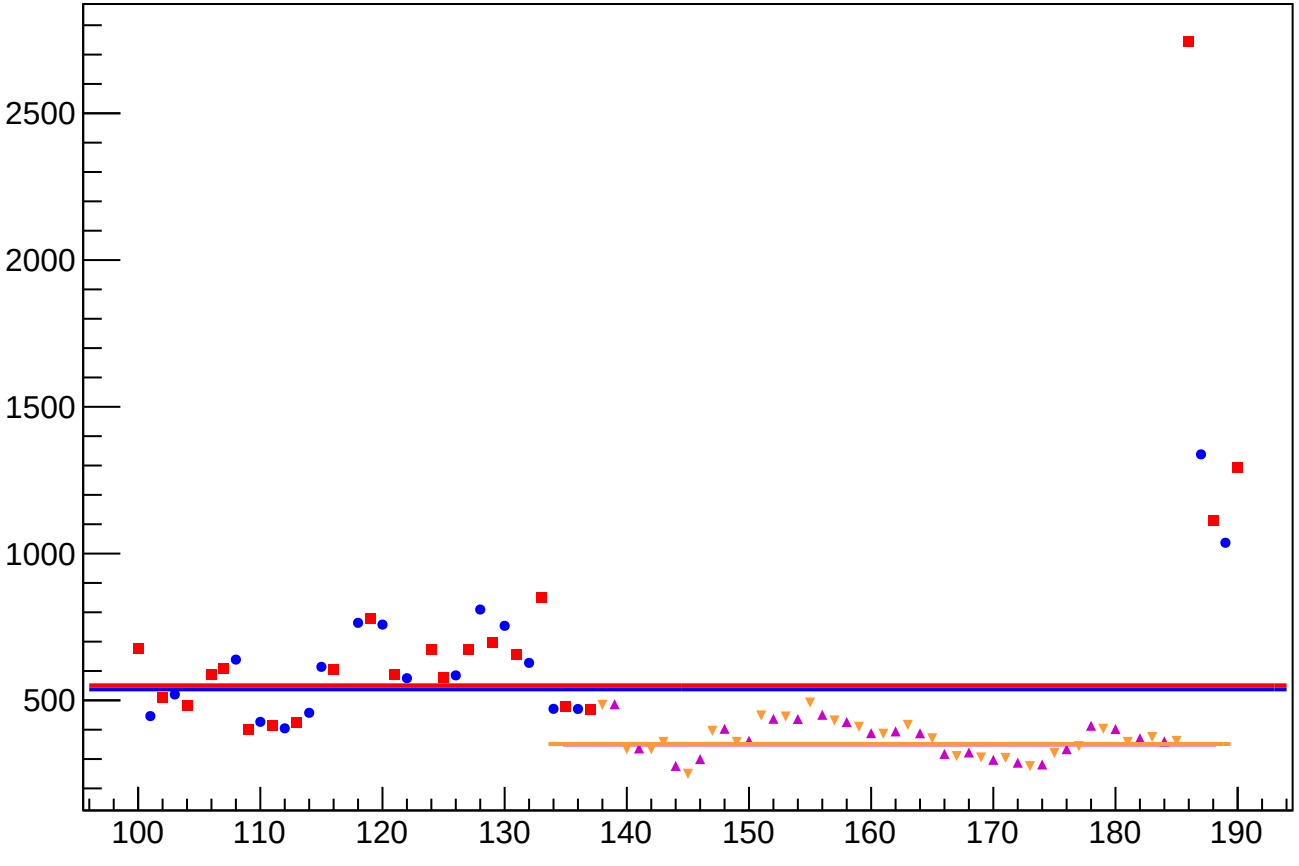
Right: 115.308+/-138.389 χ^2/NDF: 40.3/39

In: 30.078+/-76.627 χ^2/NDF:45.3/40

Out: -292.101+/-74.808 χ^2/NDF:91.1/46

All: -134.879+/-53.529 χ^2/NDF: 145.4/87

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 537.403+/-0.140 χ^2/NDF: 1042460.6/17

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 551.176+/-0.137 χ^2/NDF: 1937101.4/21

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

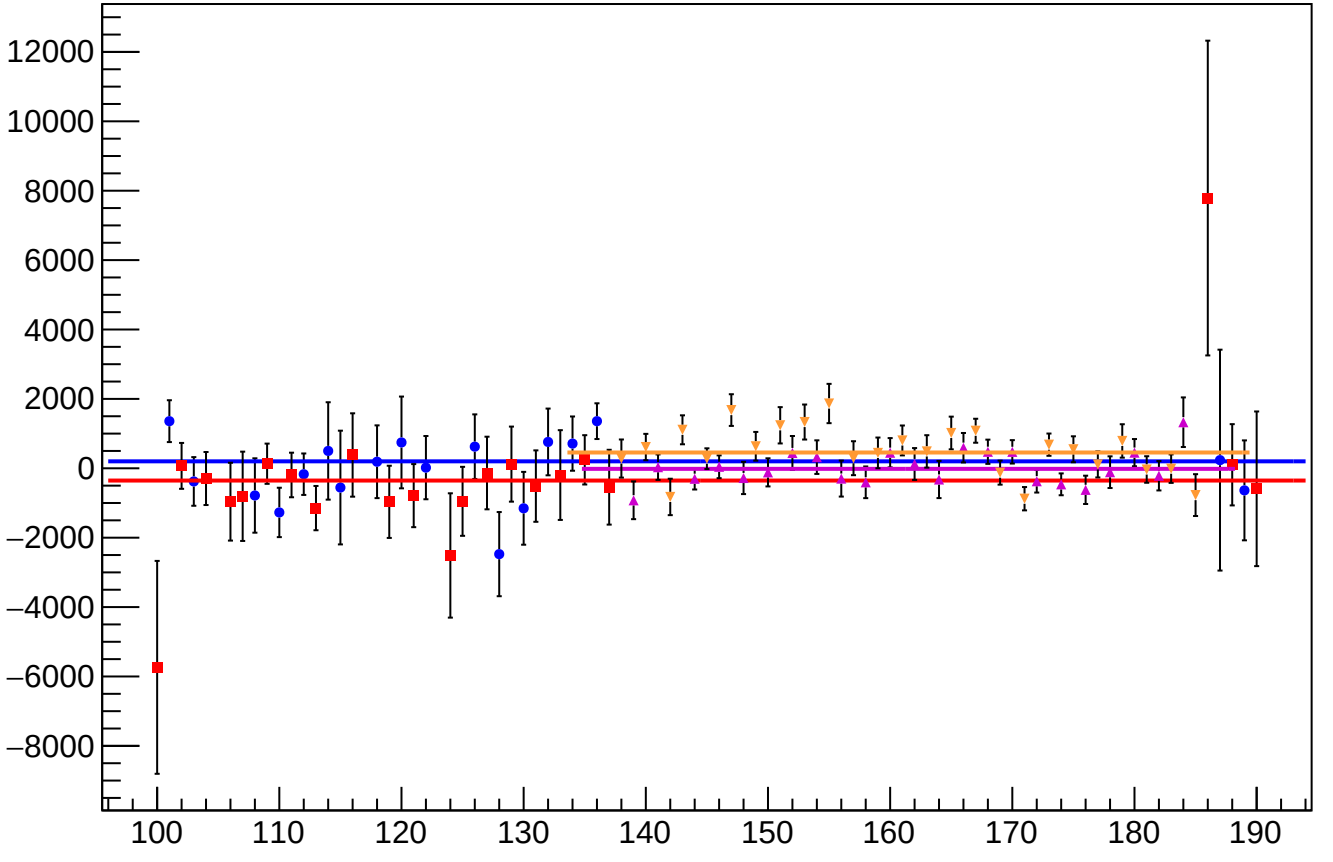
Right: 544.466+/-0.098 χ^2/NDF: 2984511.3/39

In: 377.831+/-0.054 χ^2/NDF:3555693.2/40

Out: 381.222+/-0.053 χ^2/NDF:4874970.7/46

All: 379.567+/-0.038 χ^2/NDF: 8432670.3/87

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 200.541+/-204.945 χ^2/NDF: 23.2/17

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -353.128+/-201.458 χ^2/NDF: 13.4/21

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

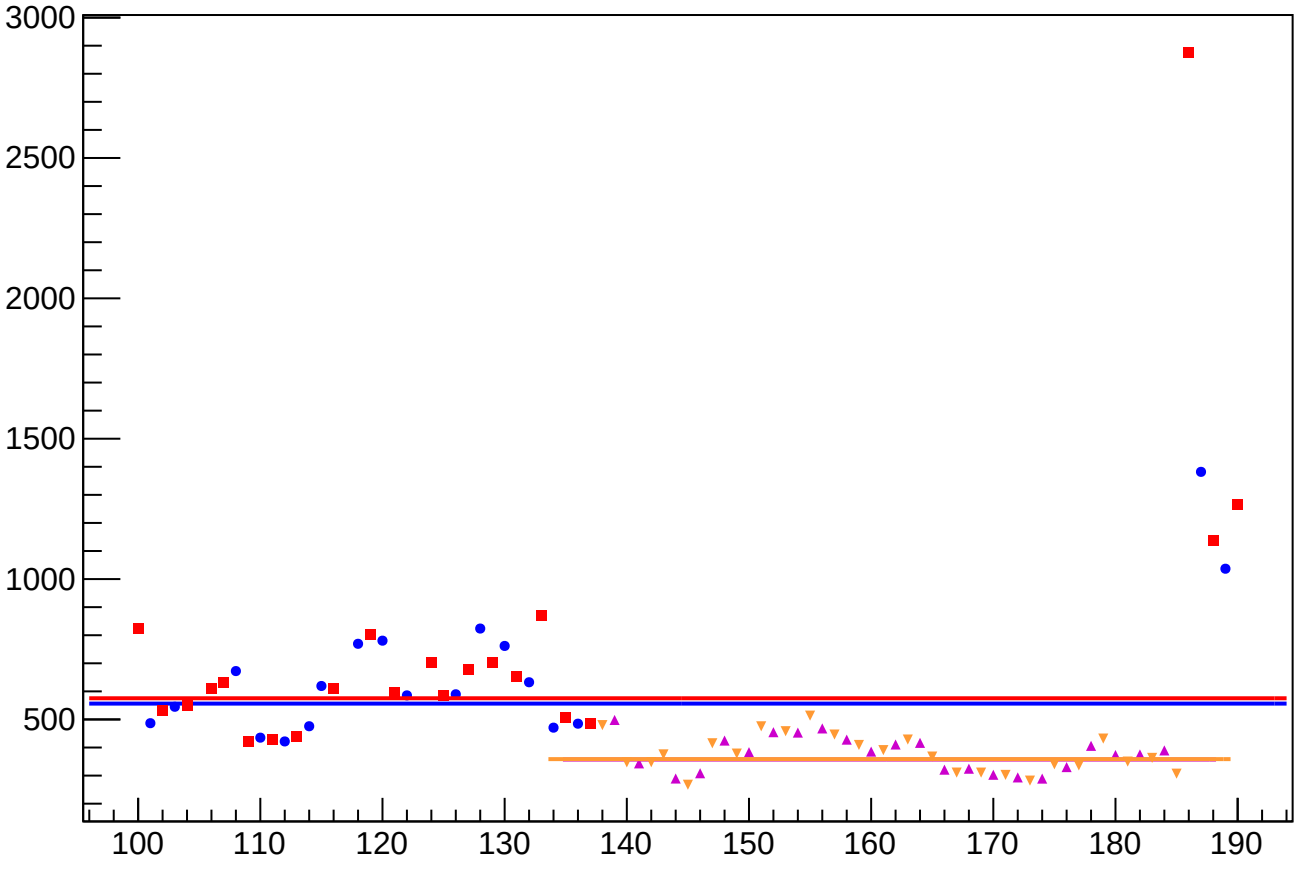
Right: -81.044+/-143.669 χ^2/NDF: 40.3/39

In: 15.611+/-78.381 χ^2/NDF:49.0/40

Out: 338.028+/-76.711 χ^2/NDF:88.0/46

All: 180.292+/-54.824 χ^2/NDF: 145.7/87

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 556.478+/-0.145 χ^2/NDF: 970764.7/17

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 575.423+/-0.142 χ^2/NDF: 1835888.1/21

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

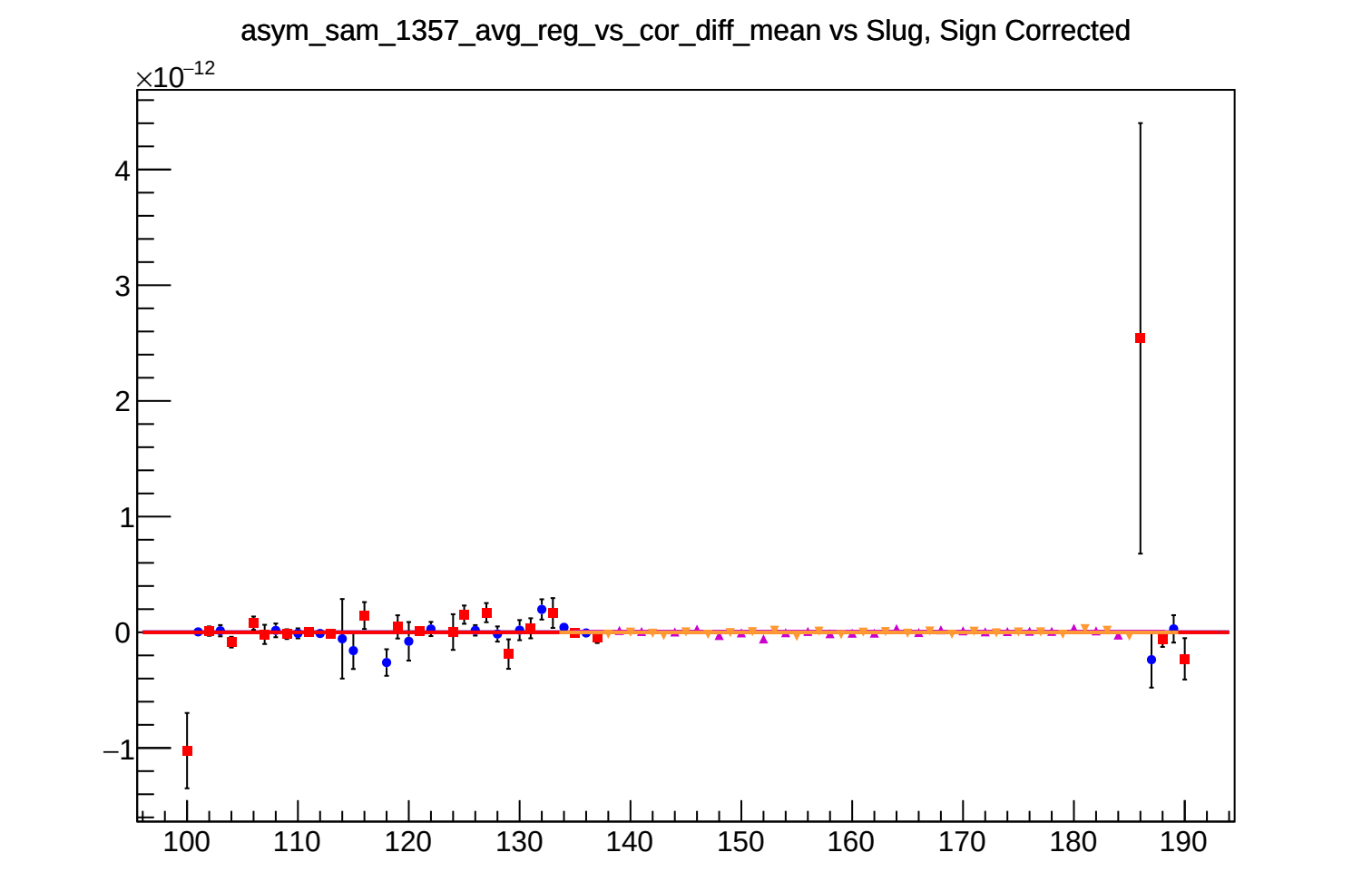
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 566.113+/-0.102 χ^2/NDF: 2815344.8/39

In: 386.333+/-0.055 χ^2/NDF:3567031.2/40

Out: 390.103+/-0.054 χ^2/NDF:4934830.0/46

All: 388.259+/-0.039 χ^2/NDF: 8504225.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/21

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

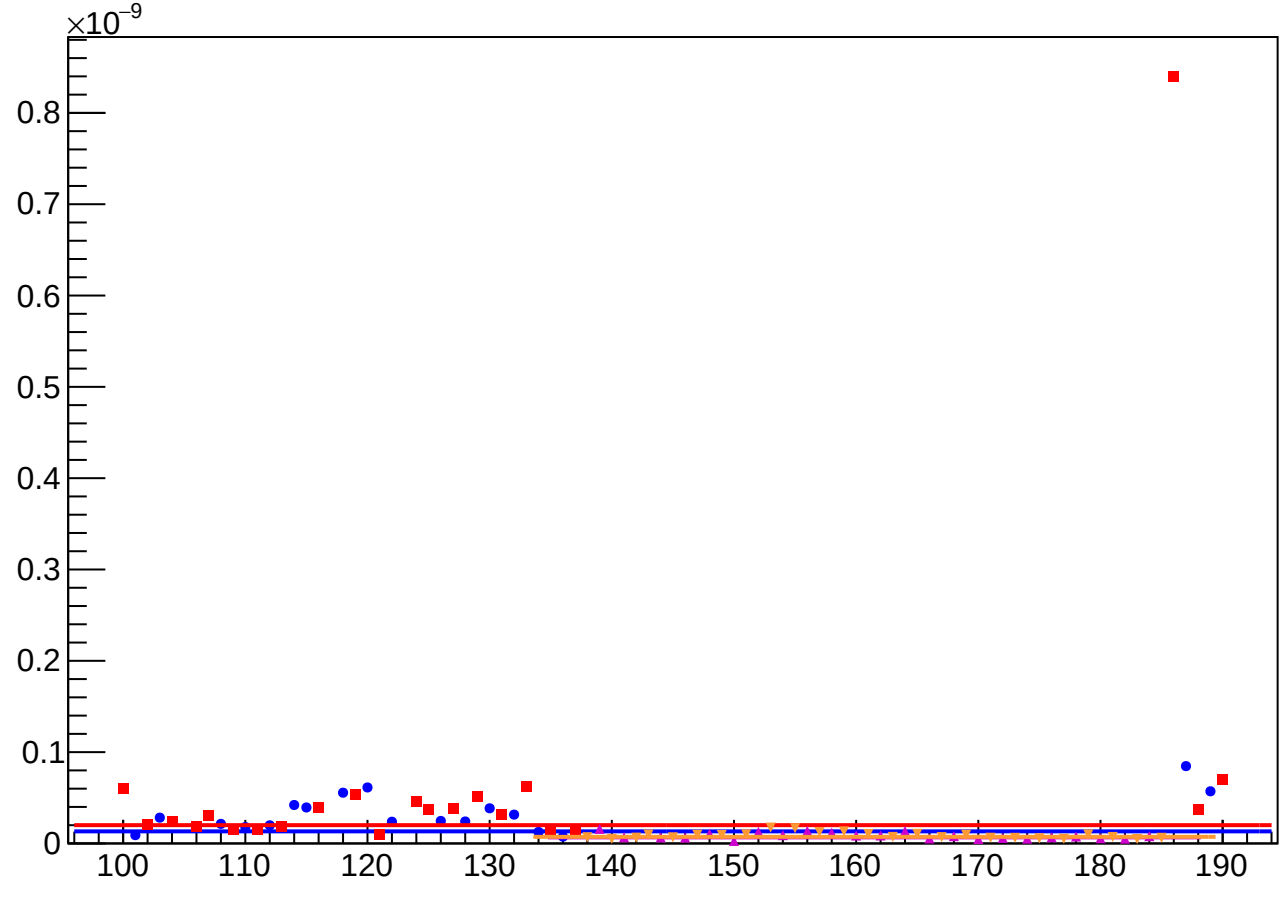
Right: 0.000+/-0.000 χ^2/NDF: 49.1/39

In: 0.000+/-0.000 χ^2/NDF:43.4/40

Out: -0.000+/-0.000 χ^2/NDF:52.6/46

All: 0.000+/-0.000 χ^2/NDF: 98.4/87

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2209584.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2050103.3/21

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

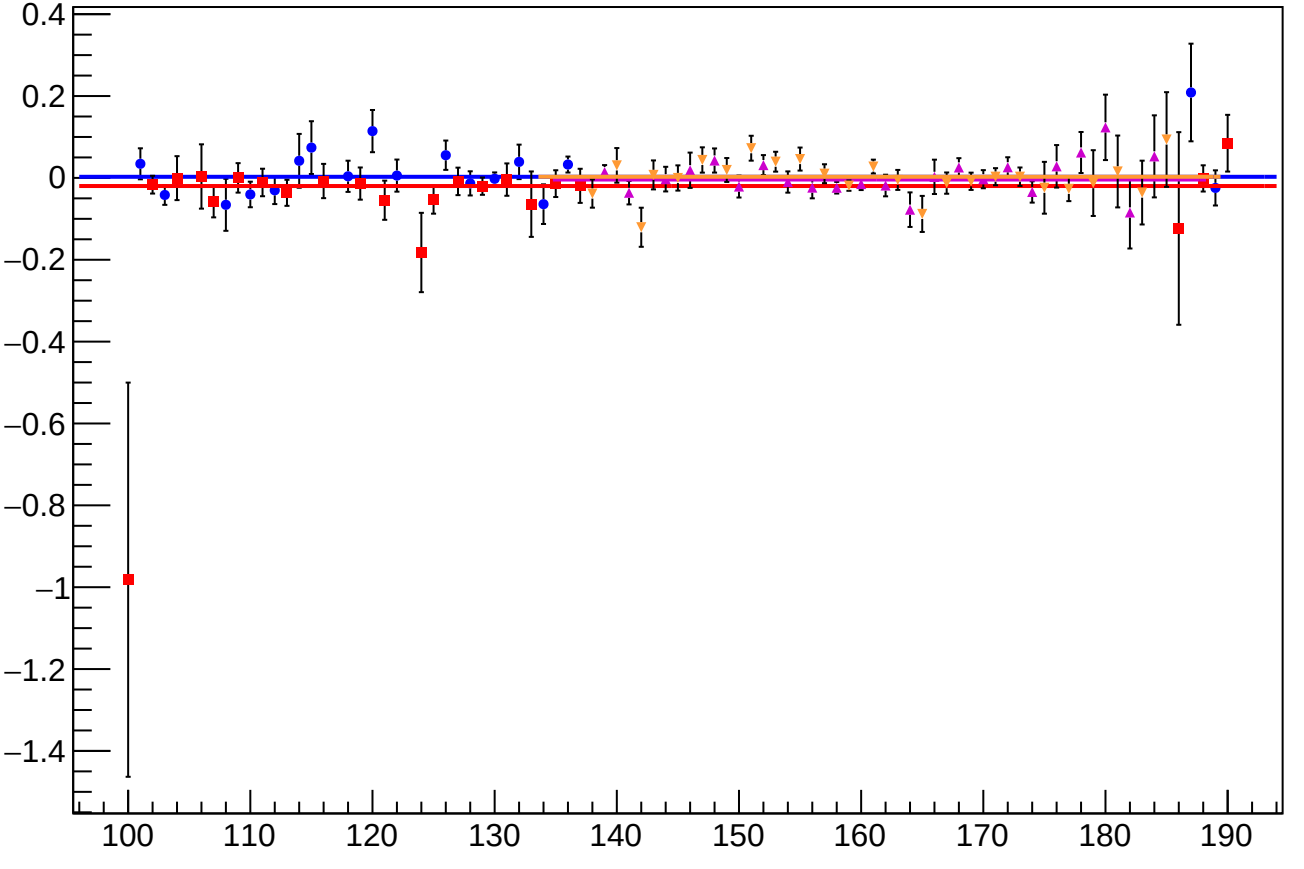
Right: 0.000+/-0.000 χ^2/NDF: 4672519.4/39

In: 0.000+/-0.000 χ^2/NDF:4923762.4/40

Out: 0.000+/-0.000 χ^2/NDF:5665235.2/46

All: 0.000+/-0.000 χ^2/NDF: 10655492.2/87

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 13.7/21

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

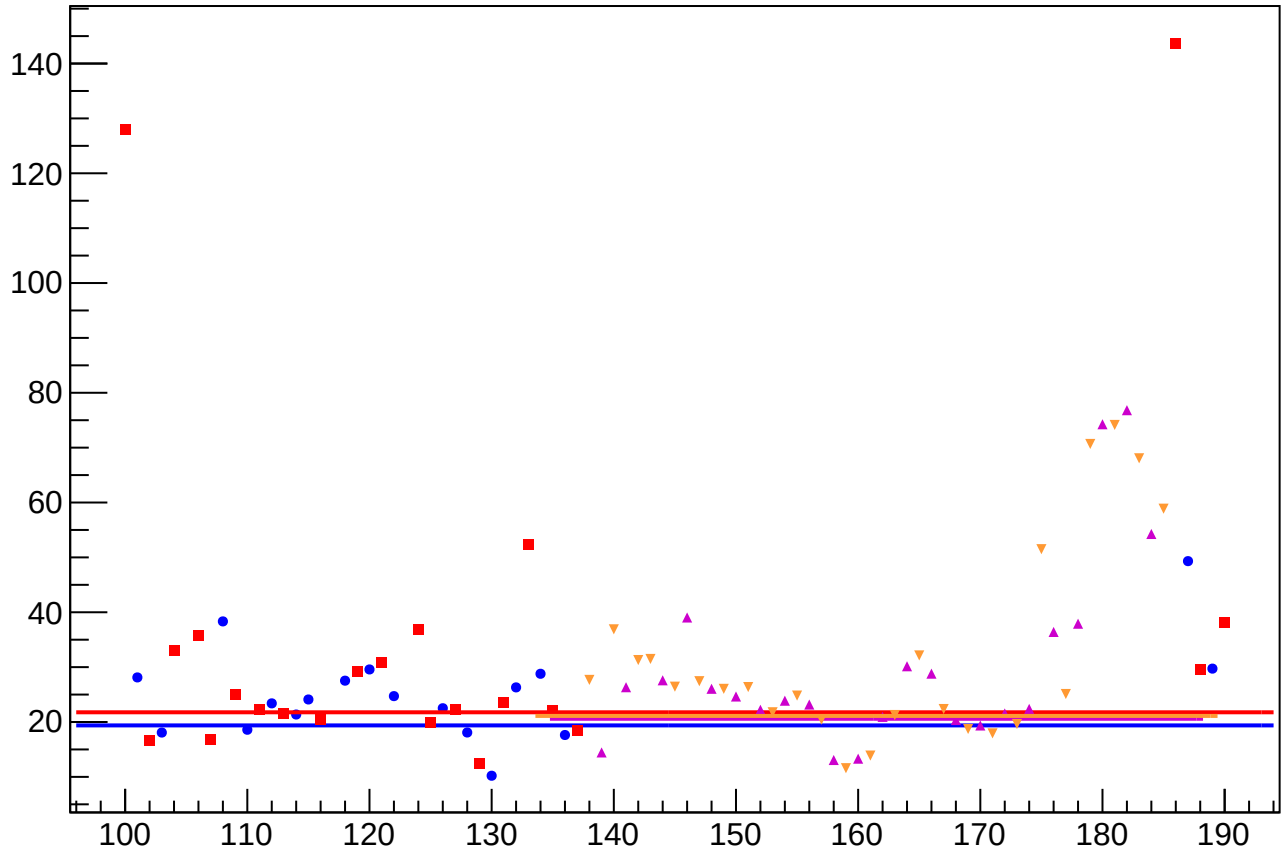
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.008+/-0.006 χ^2/NDF: 43.1/39

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.004+/-0.005 χ^2/NDF:51.9/46

All: -0.003+/-0.003 χ^2/NDF: 102.4/87



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 21.770+/-0.006 χ^2/NDF: 2083215.1/21

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

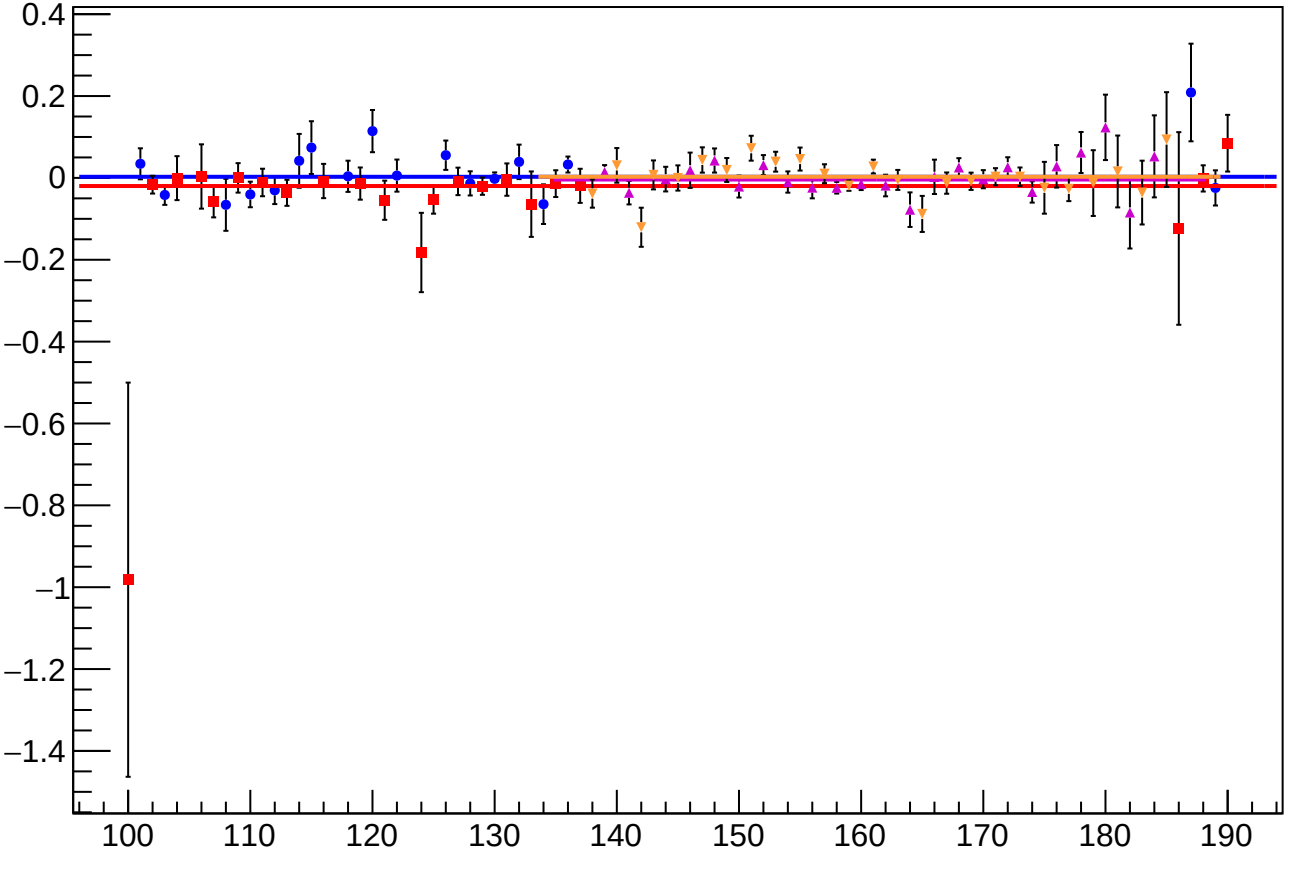
Right: 20.508+/-0.004 χ^2/NDF: 3814618.4/39

In: 20.186+/-0.003 χ^2/NDF:6272381.2/40

Out: 21.315+/-0.003 χ^2/NDF:7638913.6/46

All: 20.739+/-0.002 χ^2/NDF: 13974737.4/87

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 13.7/21

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

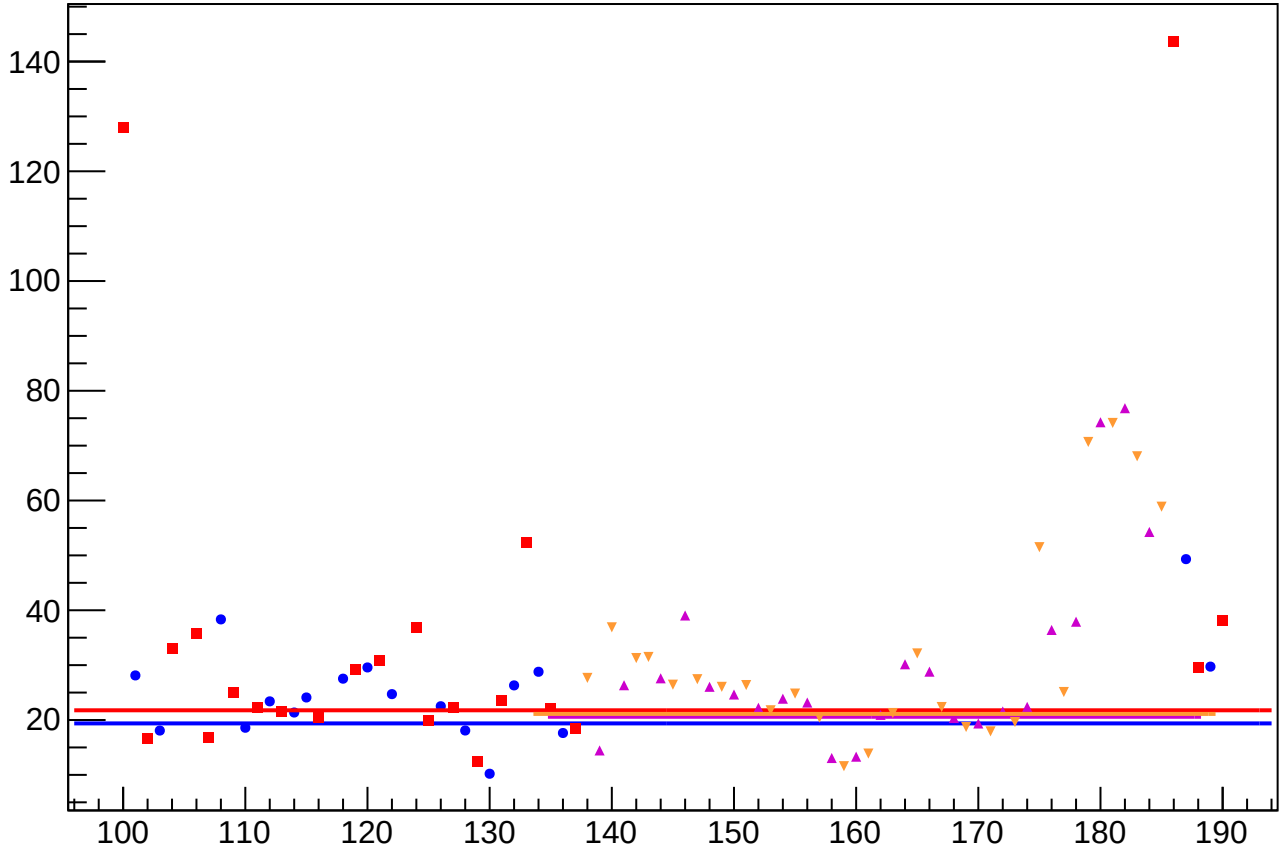
Right: -0.008+/-0.006 χ^2/NDF: 43.1/39

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.004+/-0.005 χ^2/NDF:51.9/46

All: -0.003+/-0.003 χ^2/NDF: 102.4/87

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 21.770+/-0.006 χ^2/NDF: 2083215.1/21

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

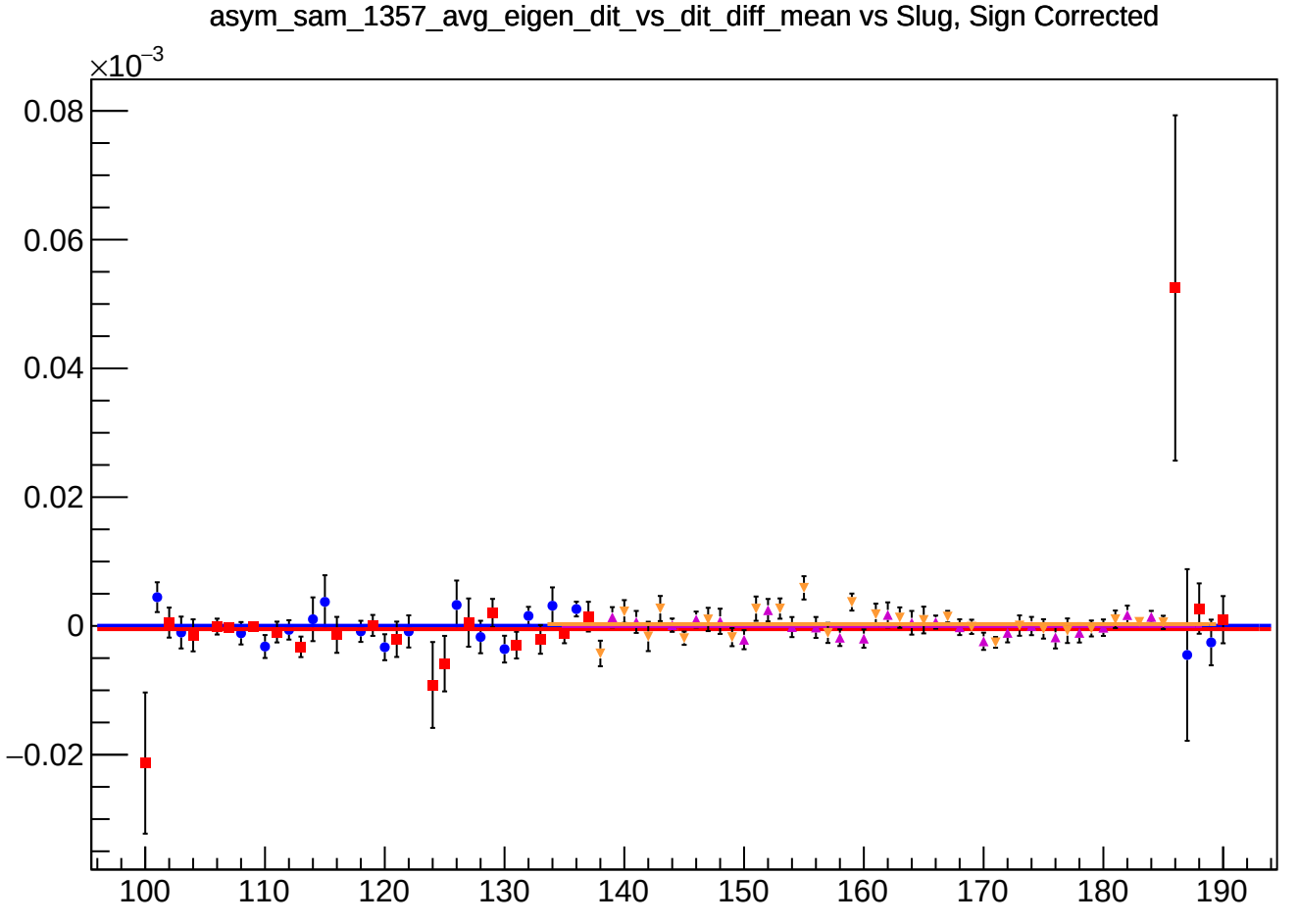
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 20.508+/-0.004 χ^2/NDF: 3814618.4/39

In: 20.186+/-0.003 χ^2/NDF:6272381.2/40

Out: 21.315+/-0.003 χ^2/NDF:7638913.6/46

All: 20.739+/-0.002 χ^2/NDF: 13974737.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/21

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

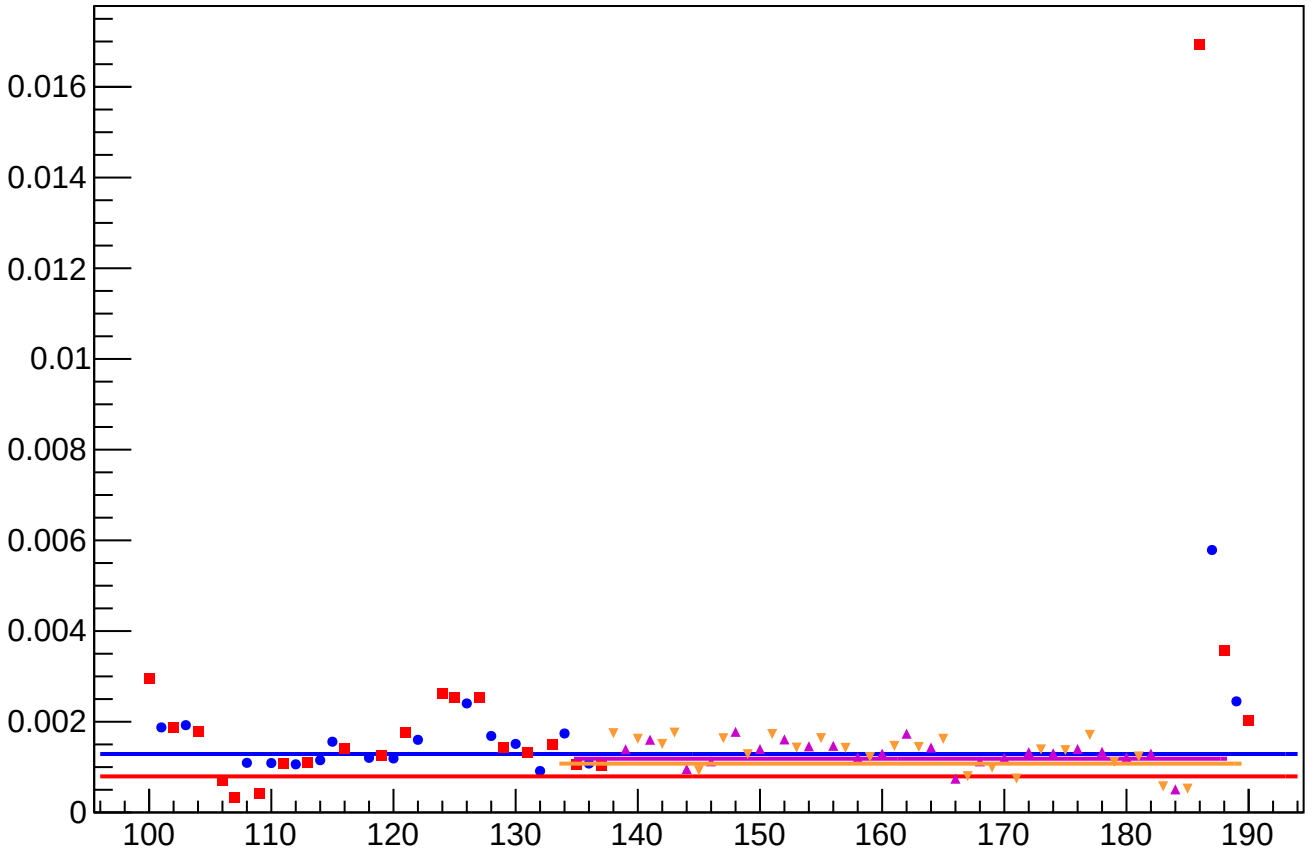
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 45.4/39

In: -0.000+/-0.000 χ^2/NDF:44.0/40

Out: -0.000+/-0.000 χ^2/NDF:76.4/46

All: -0.000+/-0.000 χ^2/NDF: 120.4/87



Right In: 0.001+/-0.000 χ^2/NDF: 1356135.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6652425.0/21

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

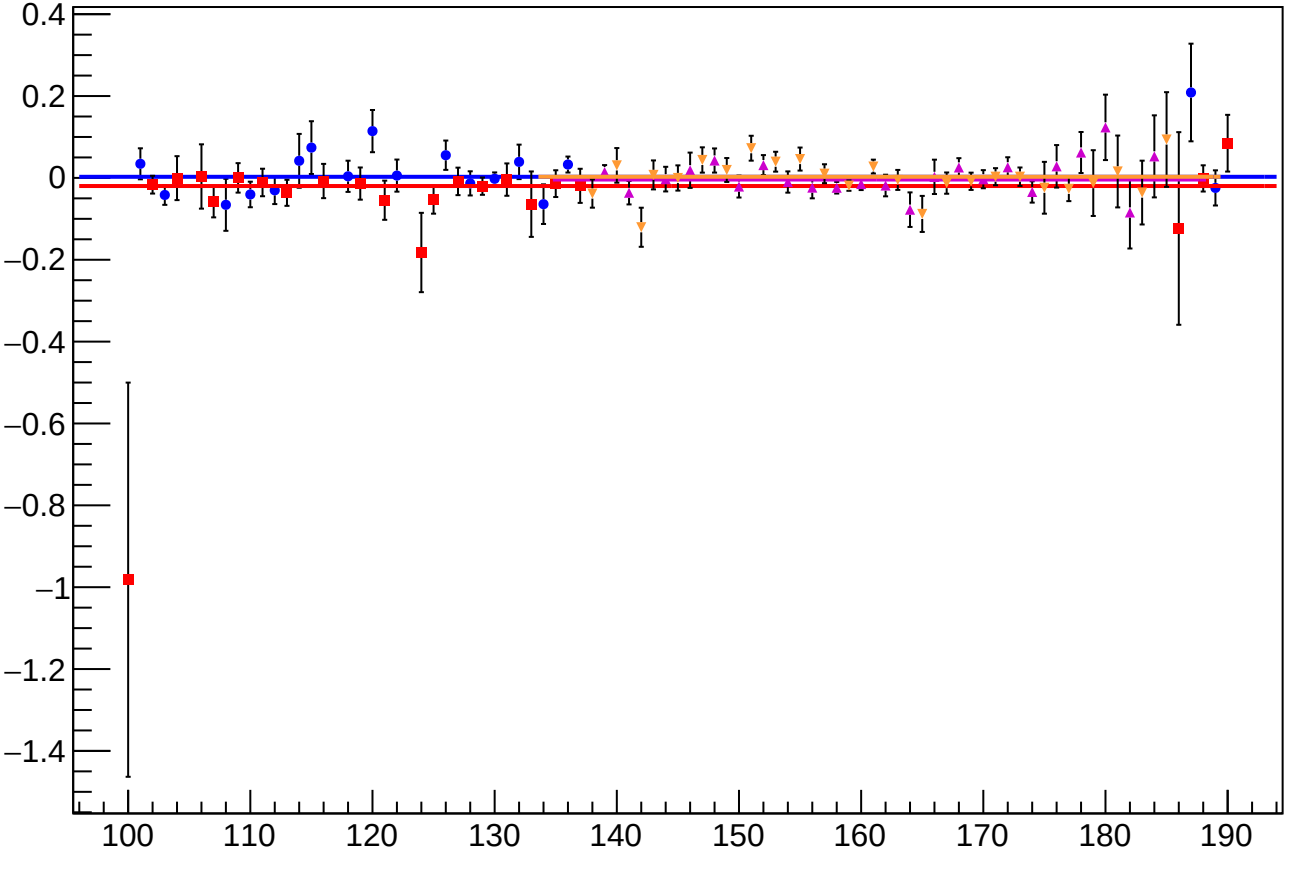
Right: 0.001+/-0.000 χ^2/NDF: 9419870.0/39

In: 0.001+/-0.000 χ^2/NDF:3881516.1/40

Out: 0.001+/-0.000 χ^2/NDF:12069238.8/46

All: 0.001+/-0.000 χ^2/NDF: 17079235.7/87

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 13.7/21

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

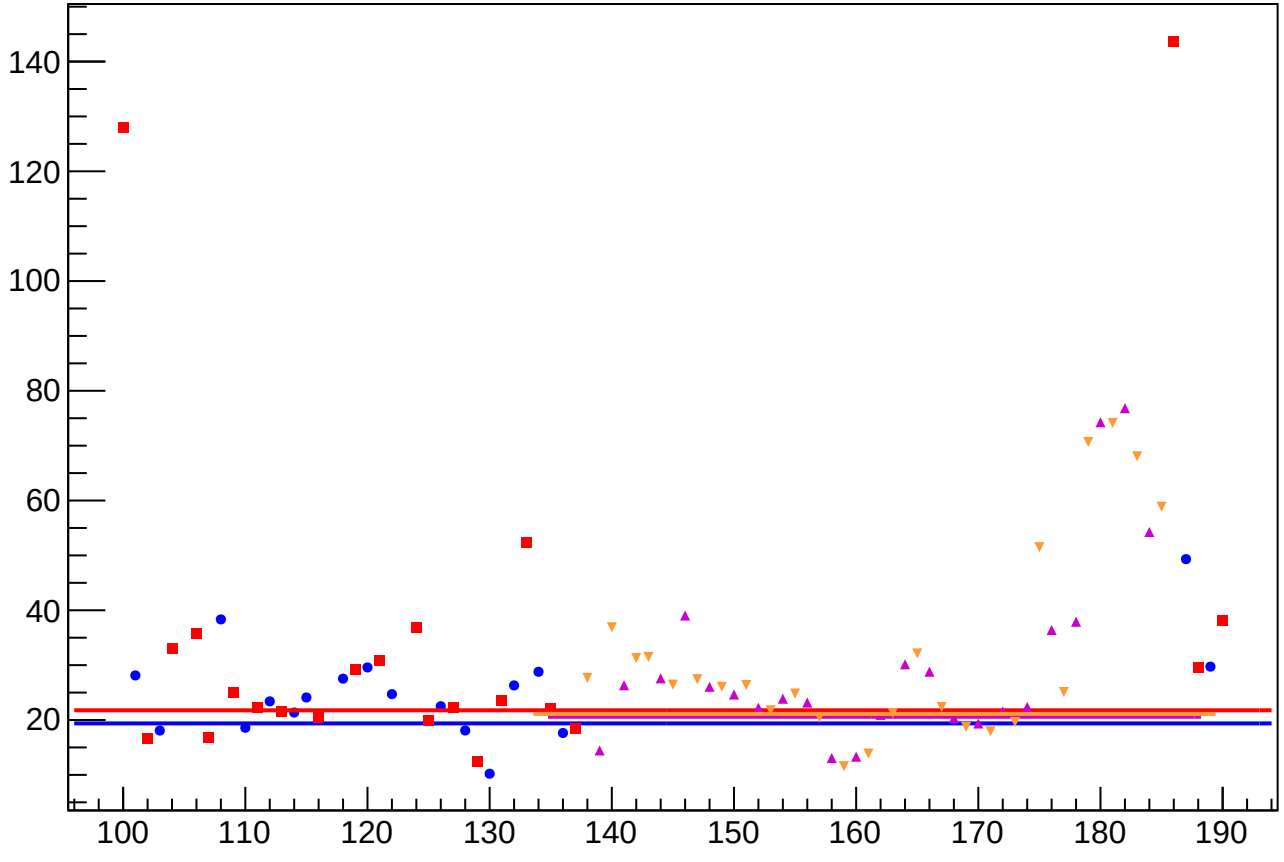
Right: -0.008+/-0.006 χ^2/NDF: 43.1/39

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.004+/-0.005 χ^2/NDF:51.9/46

All: -0.003+/-0.003 χ^2/NDF: 102.4/87

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.771+/-0.006 χ^2/NDF: 2083201.0/21

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

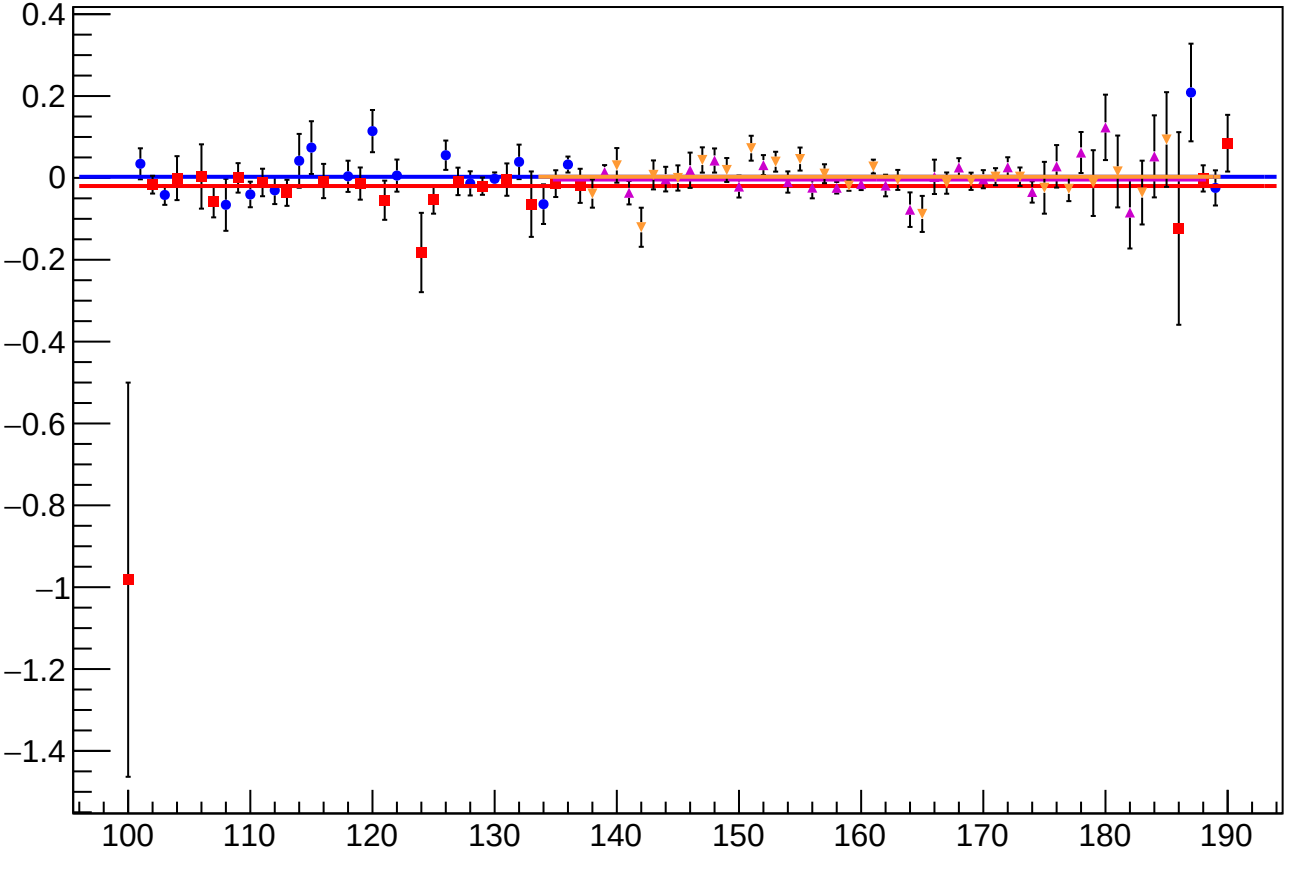
Right: 20.509+/-0.004 χ^2/NDF: 3814467.0/39

In: 20.187+/-0.003 χ^2/NDF:6272253.5/40

Out: 21.315+/-0.003 χ^2/NDF:7639038.5/46

All: 20.739+/-0.002 χ^2/NDF: 13974712.0/87

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 13.7/21

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

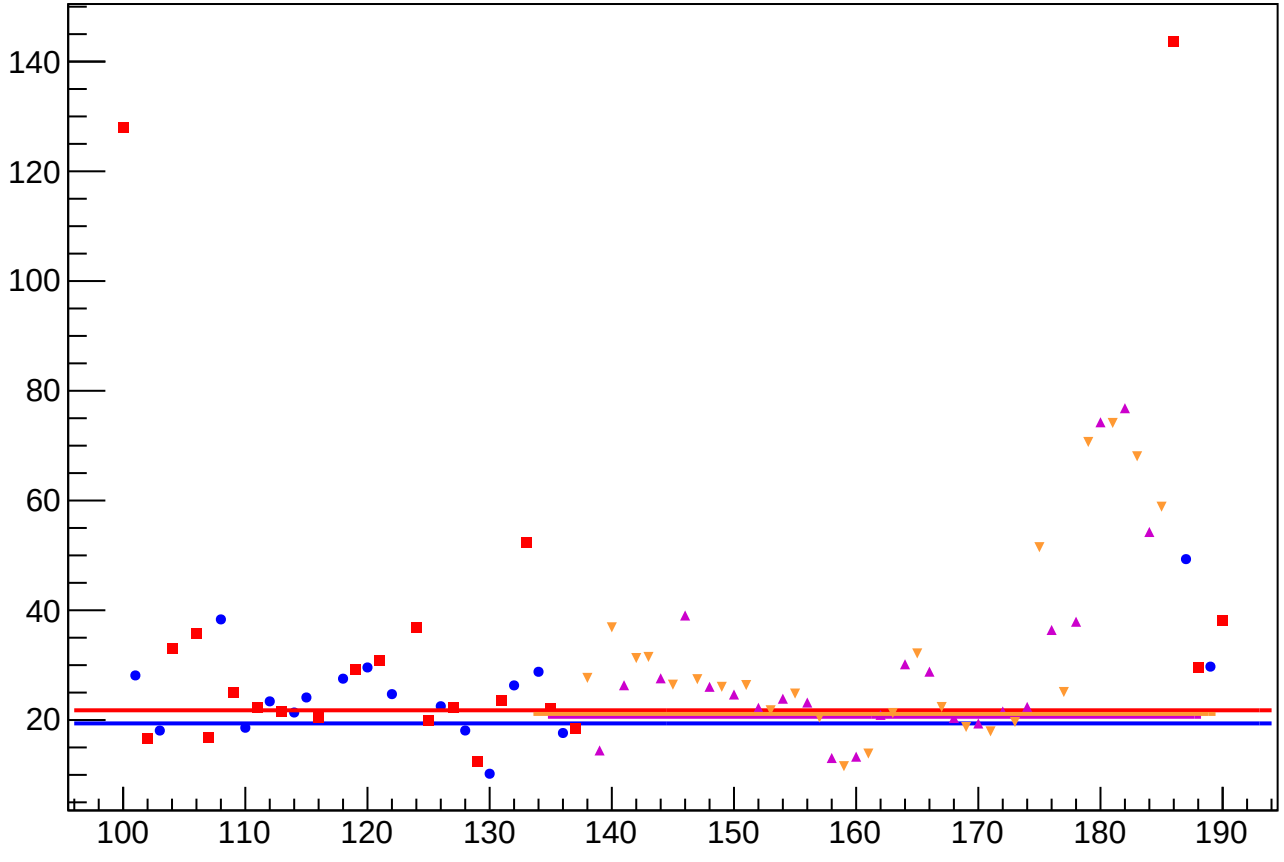
Right: -0.008+/-0.006 χ^2/NDF: 43.1/39

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.004+/-0.005 χ^2/NDF:51.9/46

All: -0.003+/-0.003 χ^2/NDF: 102.4/87

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.771+/-0.006 χ^2/NDF: 2083201.0/21

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

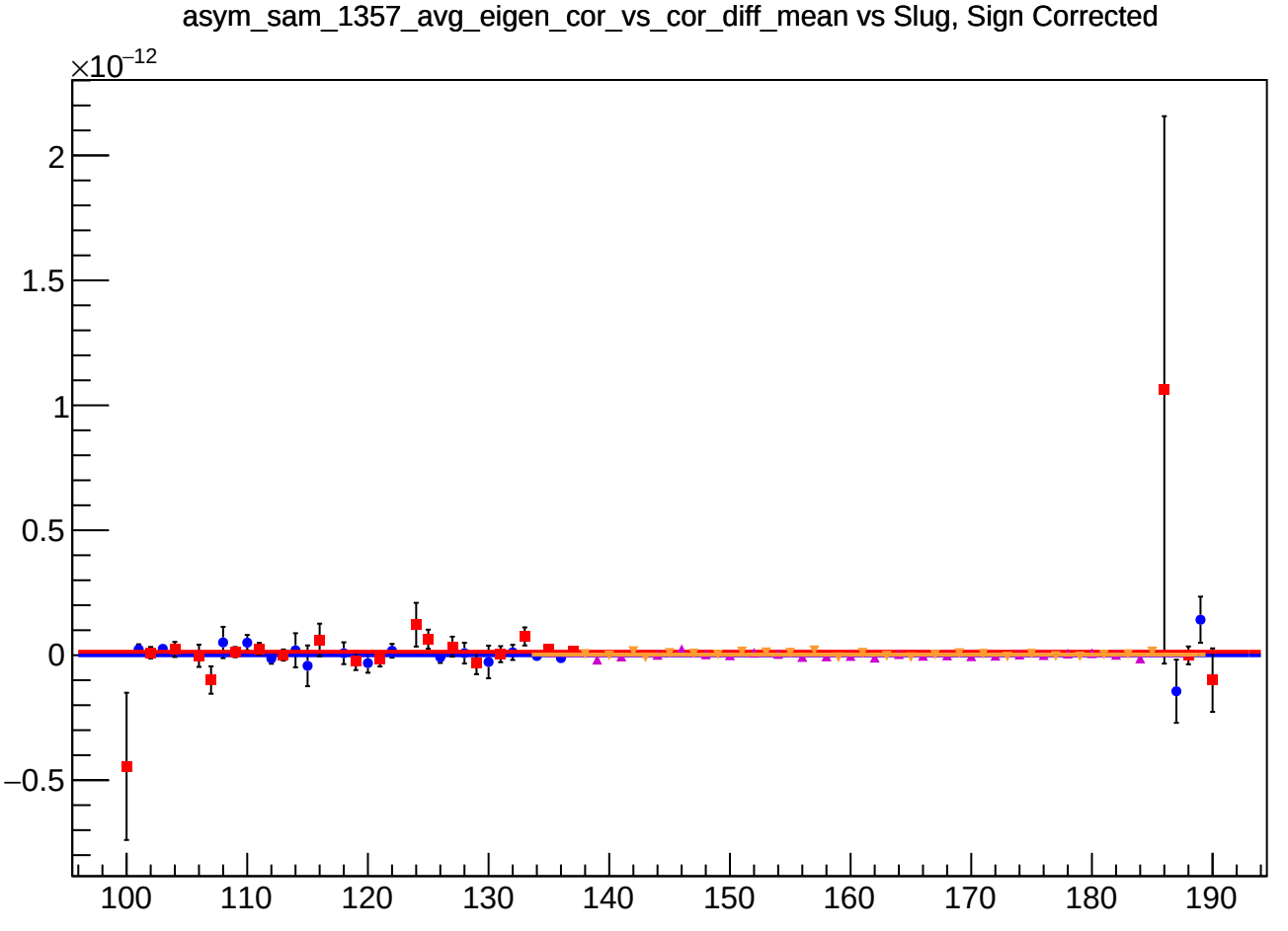
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 20.509+/-0.004 χ^2/NDF: 3814467.0/39

In: 20.187+/-0.003 χ^2/NDF:6272253.5/40

Out: 21.315+/-0.003 χ^2/NDF:7639038.5/46

All: 20.739+/-0.002 χ^2/NDF: 13974712.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/21

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

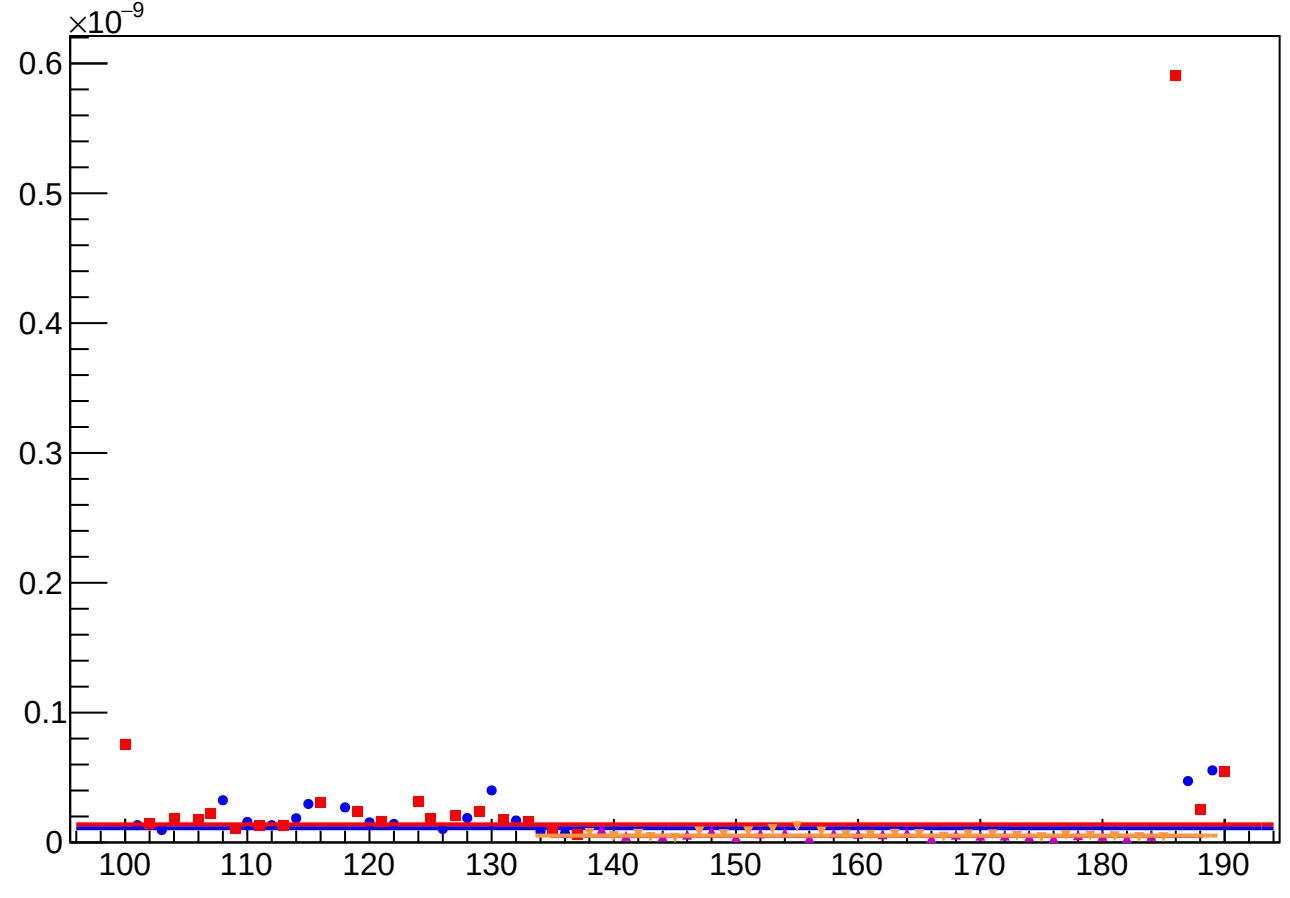
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 36.3/39

In: 0.000+/-0.000 χ^2/NDF:35.6/40

Out: 0.000+/-0.000 χ^2/NDF:43.0/46

All: 0.000+/-0.000 χ^2/NDF: 80.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 2470071.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2373143.3/21

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

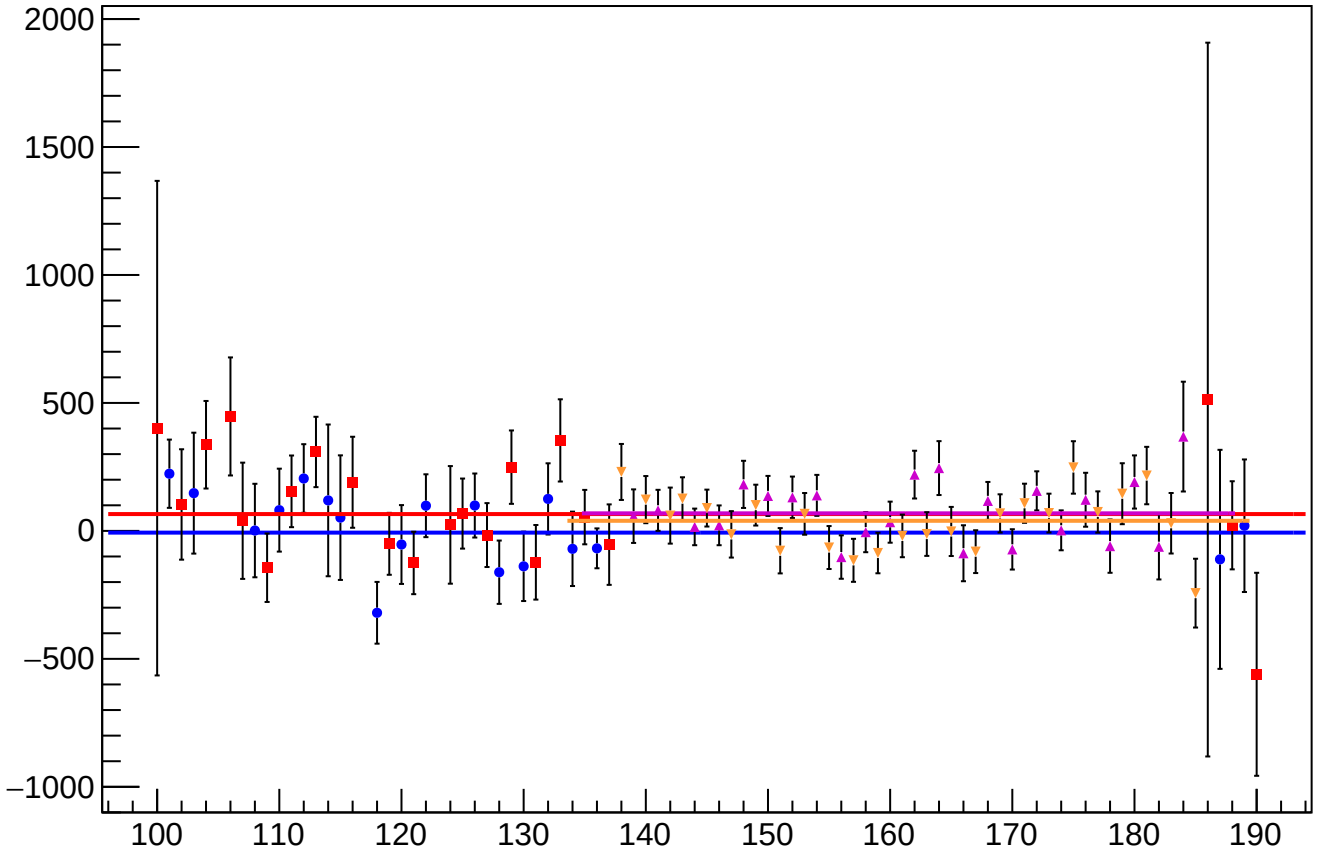
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5089244.9/39

In: 0.000+/-0.000 χ^2/NDF:6225378.5/40

Out: 0.000+/-0.000 χ^2/NDF:7881232.3/46

All: 0.000+/-0.000 χ^2/NDF: 14132210.5/87



Right In: -6.757+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.757+/-34.052 χ^2/NDF: 25.5/21

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

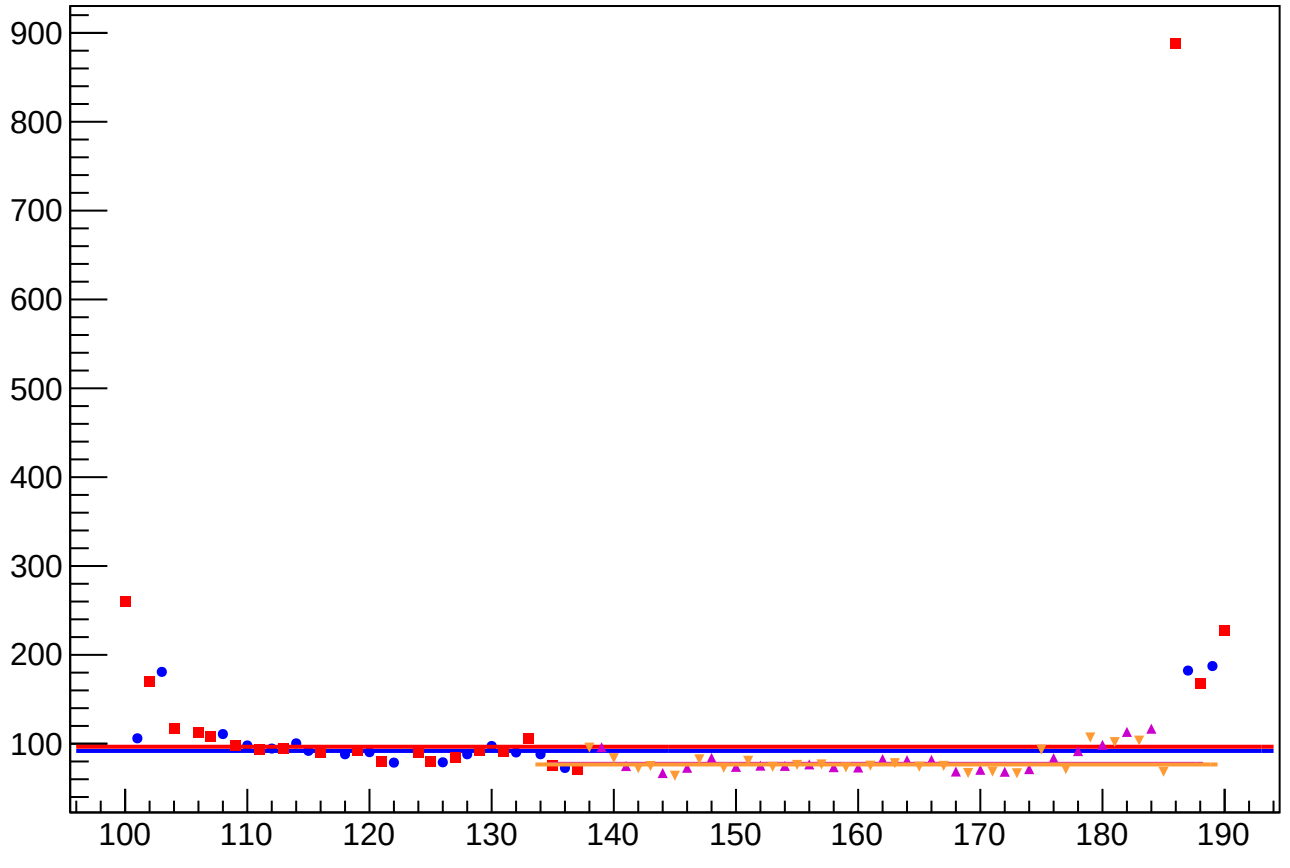
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 29.320+/-24.018 χ^2/NDF: 46.8/39

In: 51.573+/-16.113 χ^2/NDF:51.8/40

Out: 45.051+/-15.681 χ^2/NDF:57.9/46

All: 48.223+/-11.238 χ^2/NDF: 109.8/87



Right In: 91.859+/-0.024 χ^2/NDF: 868599.2/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 96.592+/-0.024 χ^2/NDF: 1778208.4/21

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

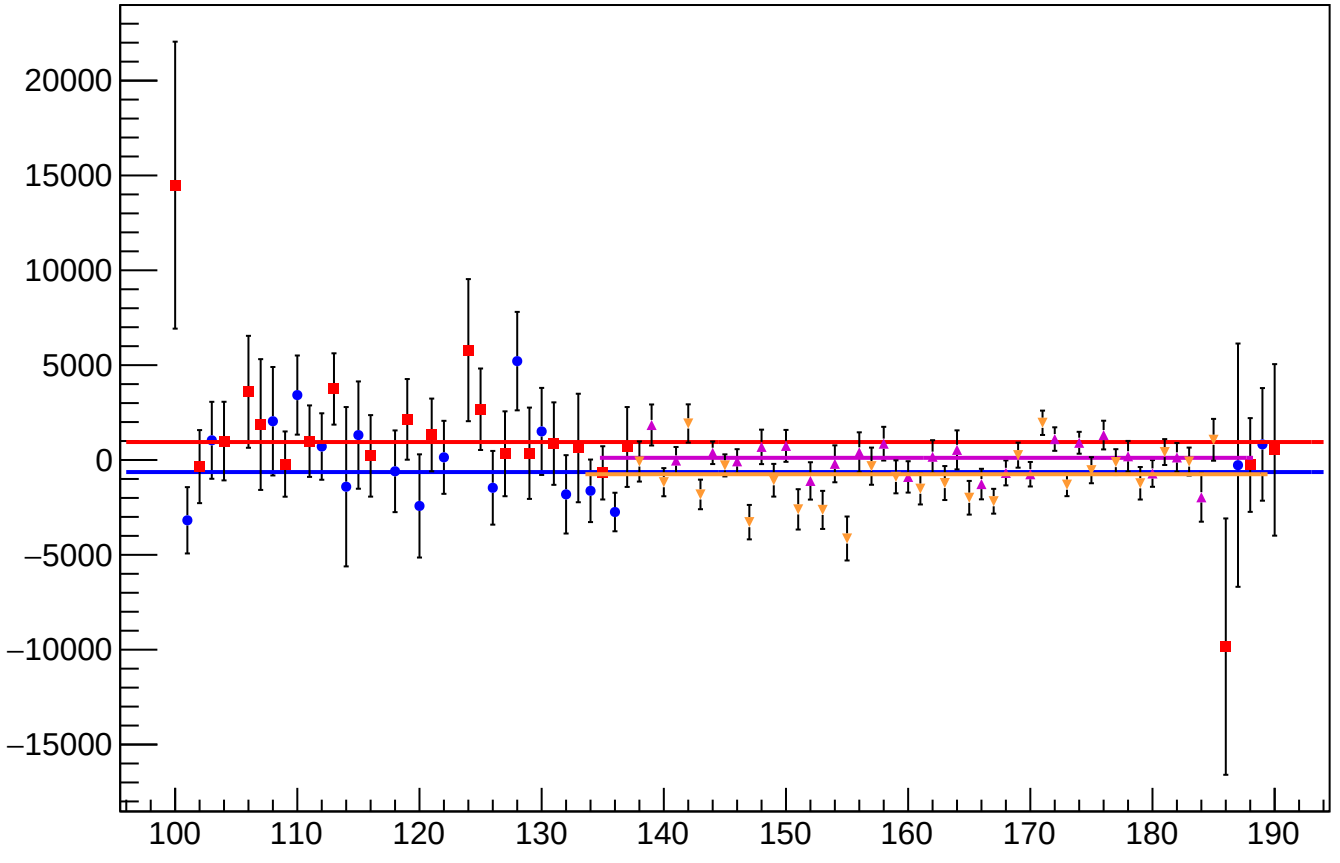
Right: 94.214+/-0.017 χ^2/NDF: 2666226.0/39

In: 80.630+/-0.011 χ^2/NDF:1742869.5/40

Out: 80.876+/-0.011 χ^2/NDF:2973505.8/46

All: 80.757+/-0.008 χ^2/NDF: 4716615.7/87

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -636.112+/-478.737 χ^2/NDF: 20.5/17

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 946.765+/-482.603 χ^2/NDF: 14.3/21

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

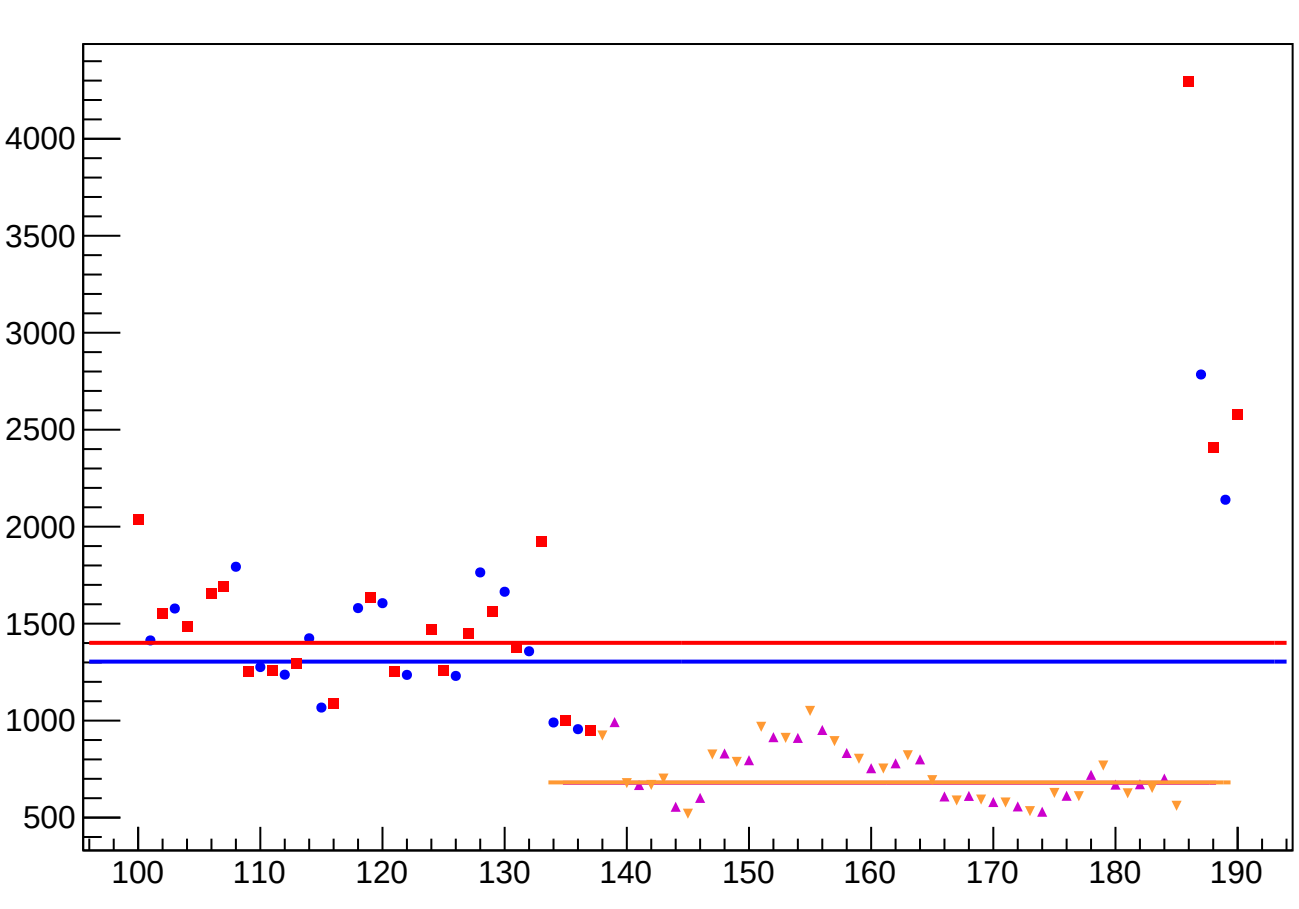
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 148.961+/-339.877 χ^2/NDF: 40.2/39

In: 36.914+/-153.290 χ^2/NDF:47.8/40

Out: -585.262+/-150.227 χ^2/NDF:95.4/46

All: -280.452+/-107.293 χ^2/NDF: 151.6/87



Right In: 1304.256+/-0.339 χ^2/NDF: 870280.4/17

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1401.050+/-0.341 χ^2/NDF: 1344454.1/21

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

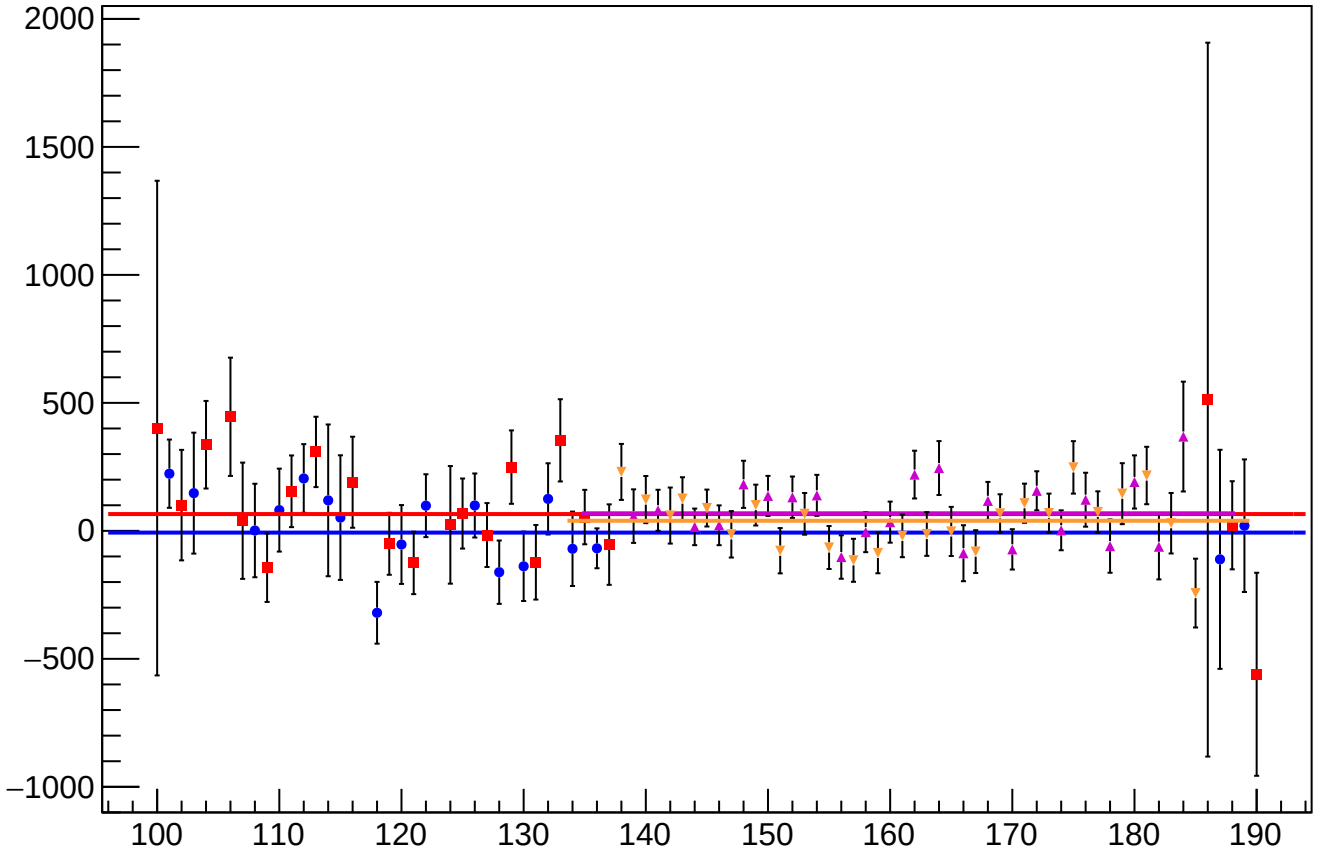
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1352.264+/-0.240 χ^2/NDF: 2255284.3/39

In: 743.476+/-0.108 χ^2/NDF:5113278.4/40

Out: 751.157+/-0.106 χ^2/NDF:6694689.6/46

All: 747.394+/-0.076 χ^2/NDF: 11810529.2/87



Right In: -6.766+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.619+/-34.053 χ^2/NDF: 25.4/21

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

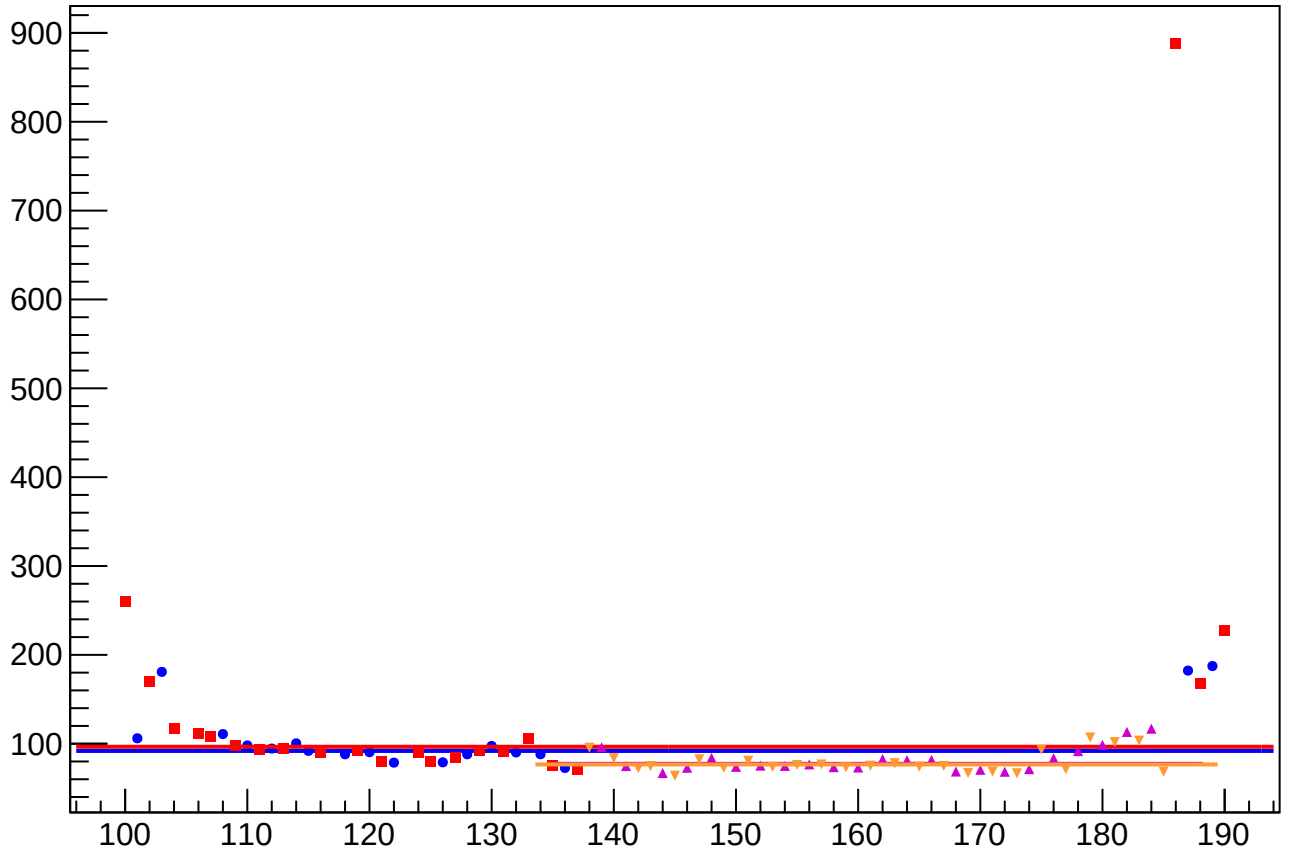
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 29.245+/-24.019 χ^2/NDF: 46.7/39

In: 51.571+/-16.113 χ^2/NDF:51.8/40

Out: 45.027+/-15.682 χ^2/NDF:57.9/46

All: 48.210+/-11.238 χ^2/NDF: 109.8/87



Right In: 91.859+/-0.024 χ^2/NDF: 868602.8/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 96.563+/-0.024 χ^2/NDF: 1776902.3/21

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

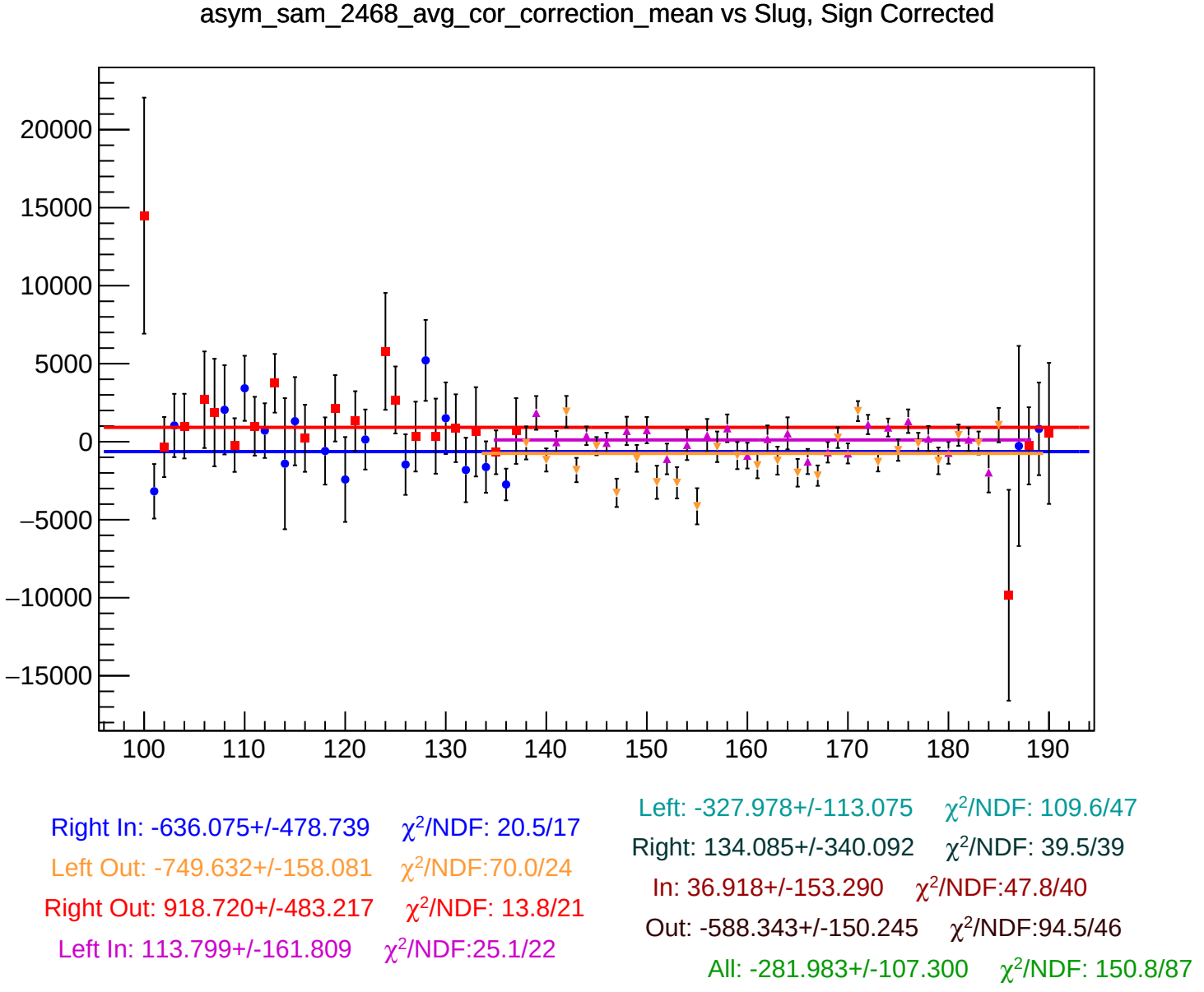
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

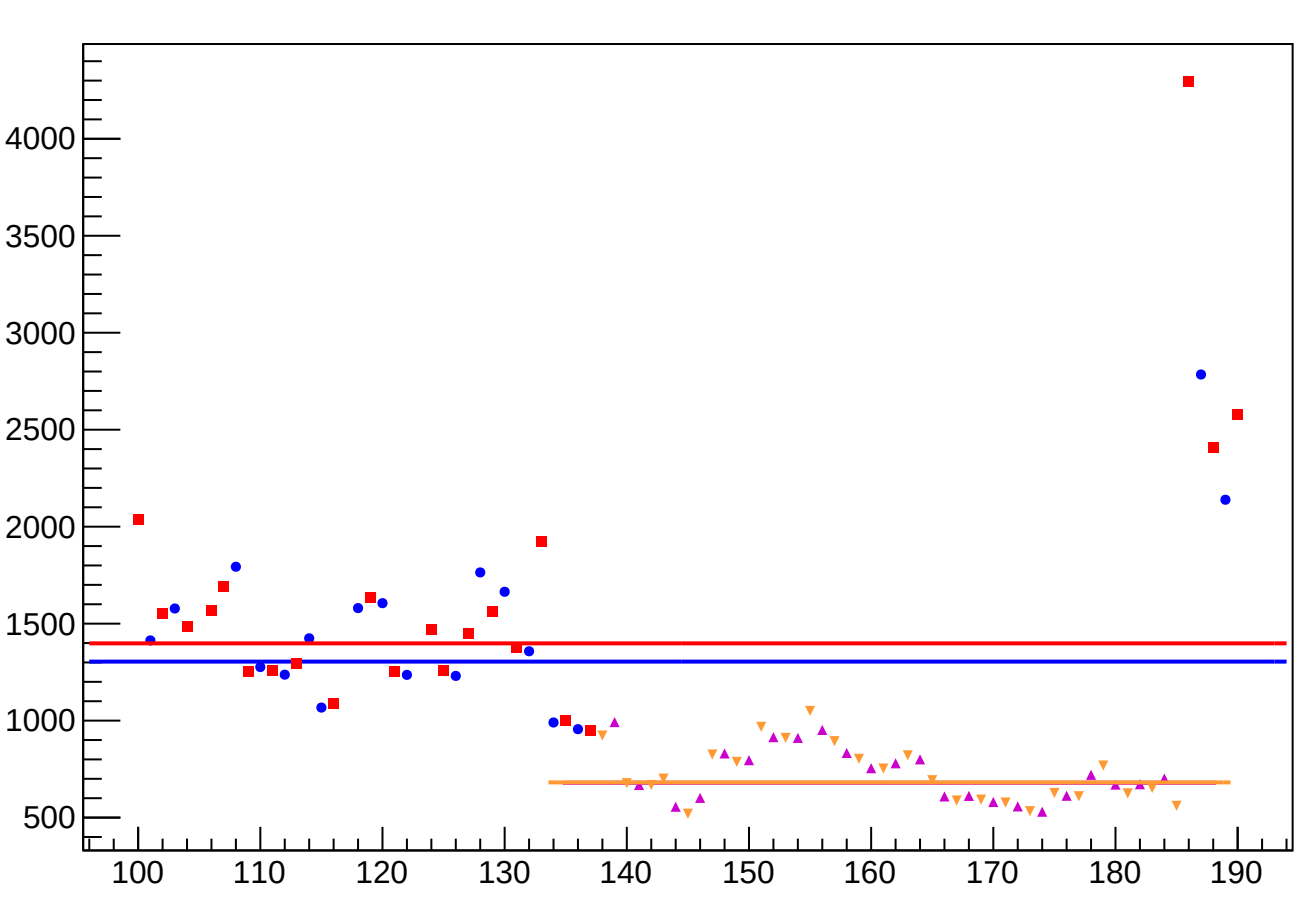
Right: 94.199+/-0.017 χ^2/NDF: 2664678.5/39

In: 80.630+/-0.011 χ^2/NDF:1742873.1/40

Out: 80.870+/-0.011 χ^2/NDF:2970539.0/46

All: 80.753+/-0.008 χ^2/NDF: 4713639.5/87


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -636.075+/-478.739 χ²/NDF: 20.5/17
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 918.720+/-483.217 χ²/NDF: 13.8/21
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 134.085+/-340.092 χ²/NDF: 39.5/39
In: 36.918+/-153.290 χ²/NDF:47.8/40
Out: -588.343+/-150.245 χ²/NDF:94.5/46
All: -281.983+/-107.300 χ²/NDF: 150.8/87



Right In: 1304.260+/-0.339 χ^2/NDF: 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1398.371+/-0.342 χ^2/NDF: 1335580.3/21

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

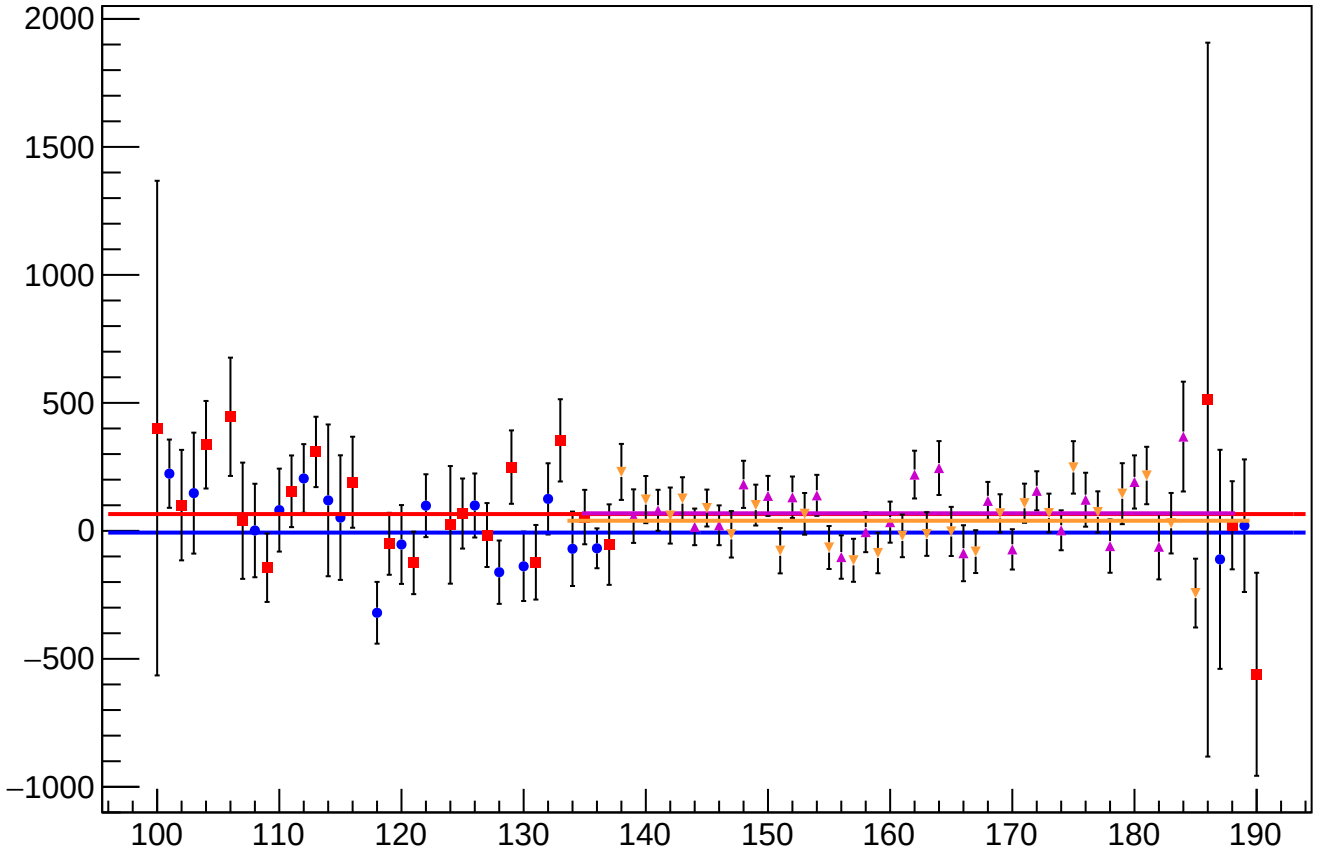
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1350.878+/-0.240 χ^2/NDF: 2244171.2/39

In: 743.476+/-0.108 χ^2/NDF:5113313.0/40

Out: 750.738+/-0.106 χ^2/NDF:6646846.8/46

All: 747.180+/-0.076 χ^2/NDF: 11762448.9/87



Right In: -6.766+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 65.619+/-34.053 χ^2/NDF: 25.4/21

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

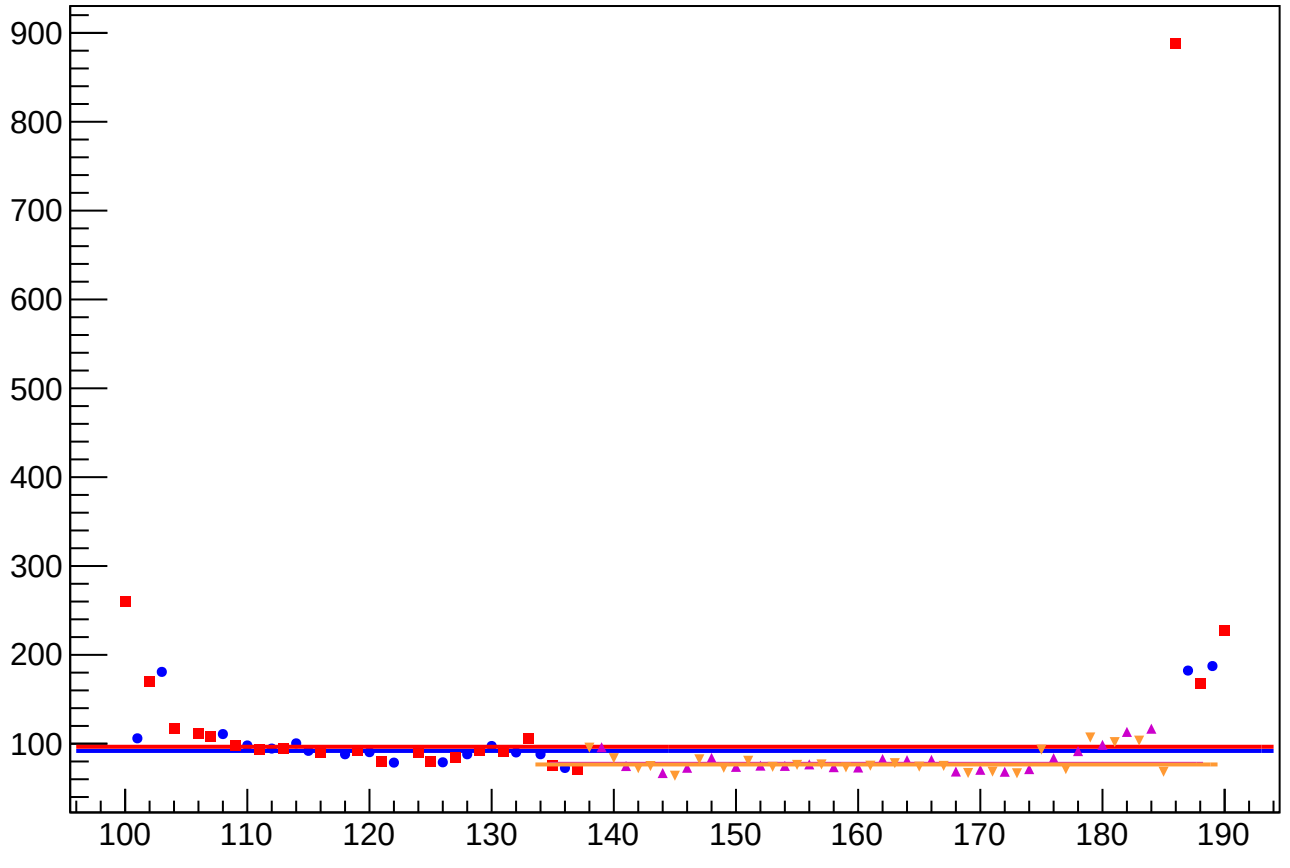
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 29.245+/-24.019 χ^2/NDF: 46.7/39

In: 51.571+/-16.113 χ^2/NDF:51.8/40

Out: 45.027+/-15.682 χ^2/NDF:57.9/46

All: 48.210+/-11.238 χ^2/NDF: 109.8/87



Right In: 91.859+/-0.024 χ^2/NDF: 868602.8/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 96.563+/-0.024 χ^2/NDF: 1776902.3/21

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

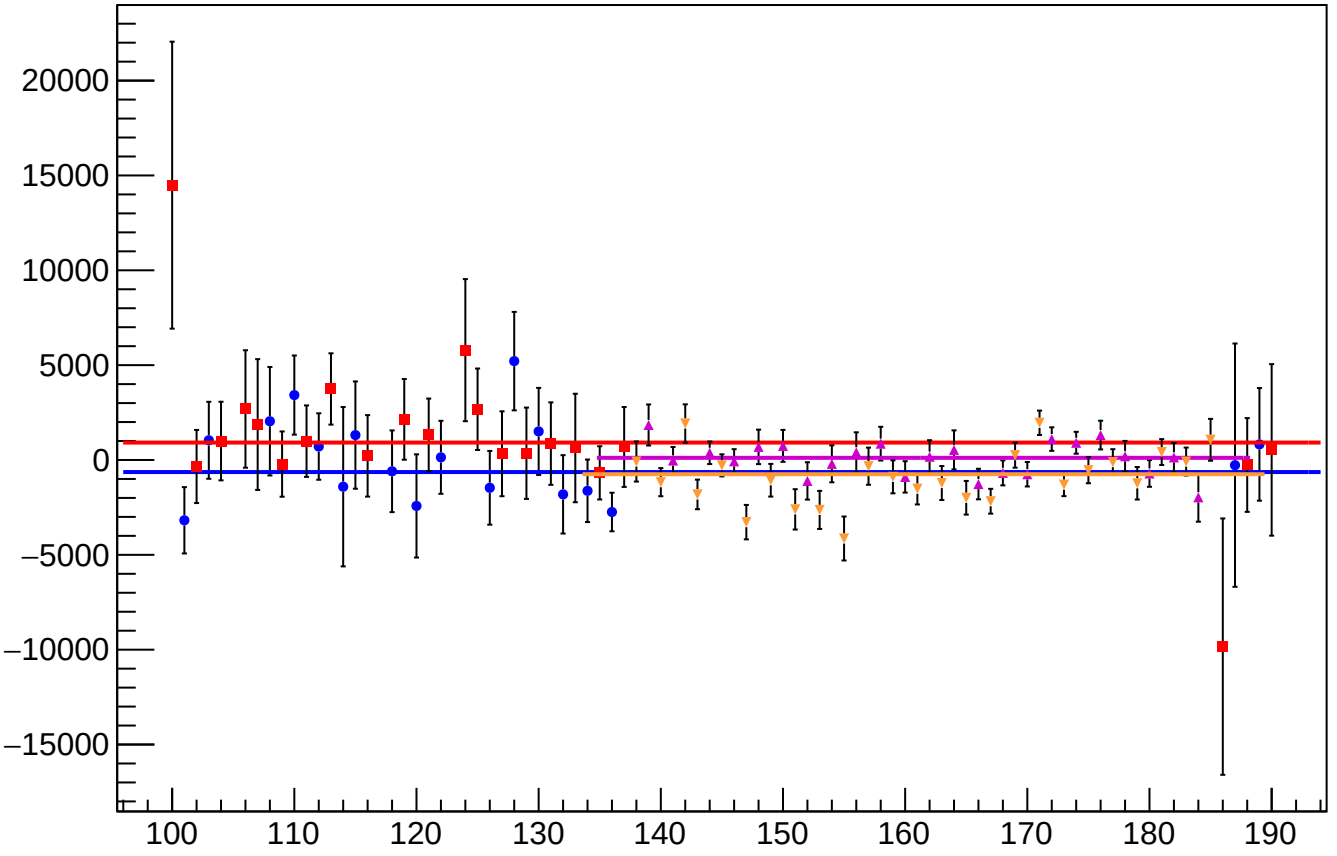
Right: 94.199+/-0.017 χ^2/NDF: 2664678.5/39

In: 80.630+/-0.011 χ^2/NDF:1742873.1/40

Out: 80.870+/-0.011 χ^2/NDF:2970539.0/46

All: 80.753+/-0.008 χ^2/NDF: 4713639.5/87

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -636.075+/-478.739 χ^2/NDF: 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 918.720+/-483.217 χ^2/NDF: 13.8/21

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

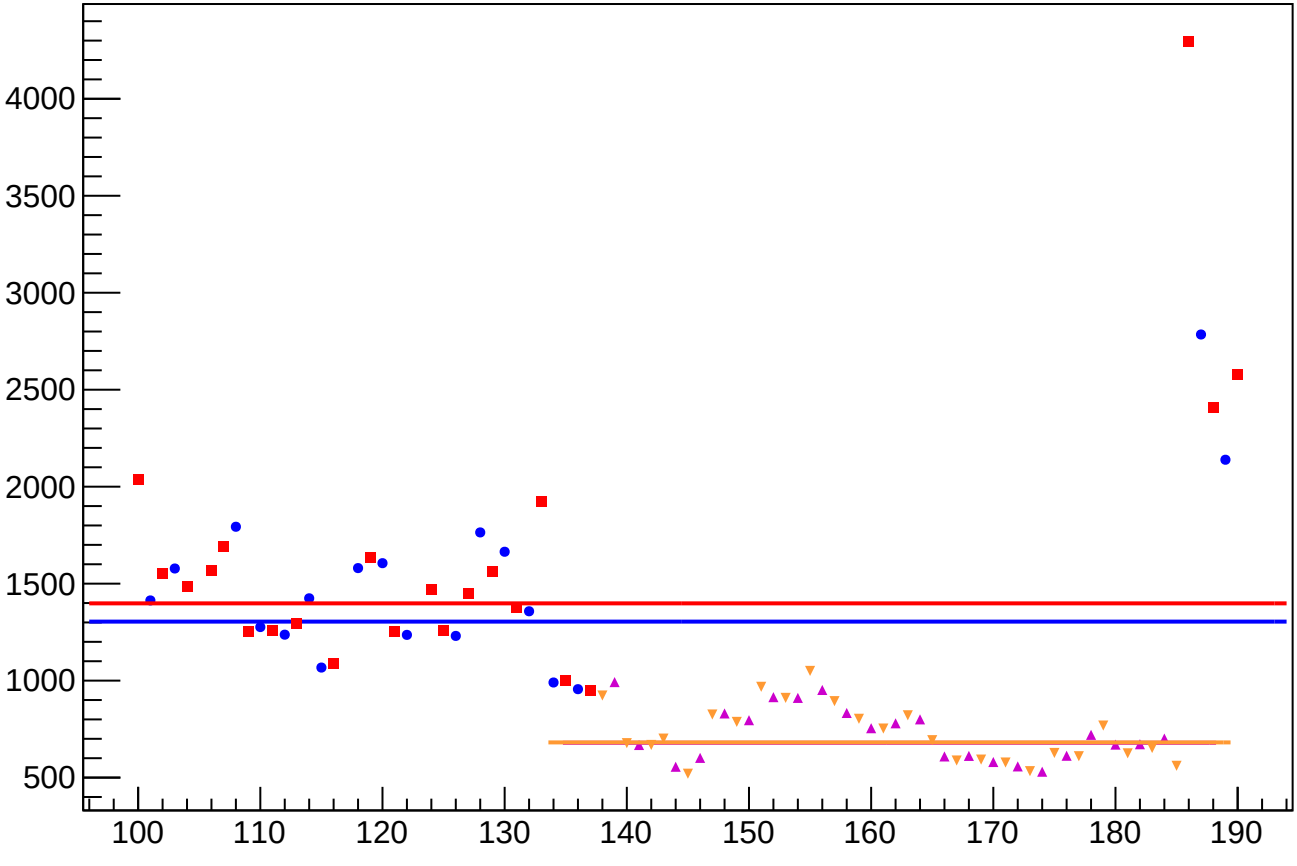
Right: 134.085+/-340.092 χ^2/NDF: 39.5/39

In: 36.918+/-153.290 χ^2/NDF:47.8/40

Out: -588.343+/-150.245 χ^2/NDF:94.5/46

All: -281.983+/-107.300 χ^2/NDF: 150.8/87

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1304.260+/-0.339 χ^2/NDF: 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1398.371+/-0.342 χ^2/NDF: 1335580.3/21

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

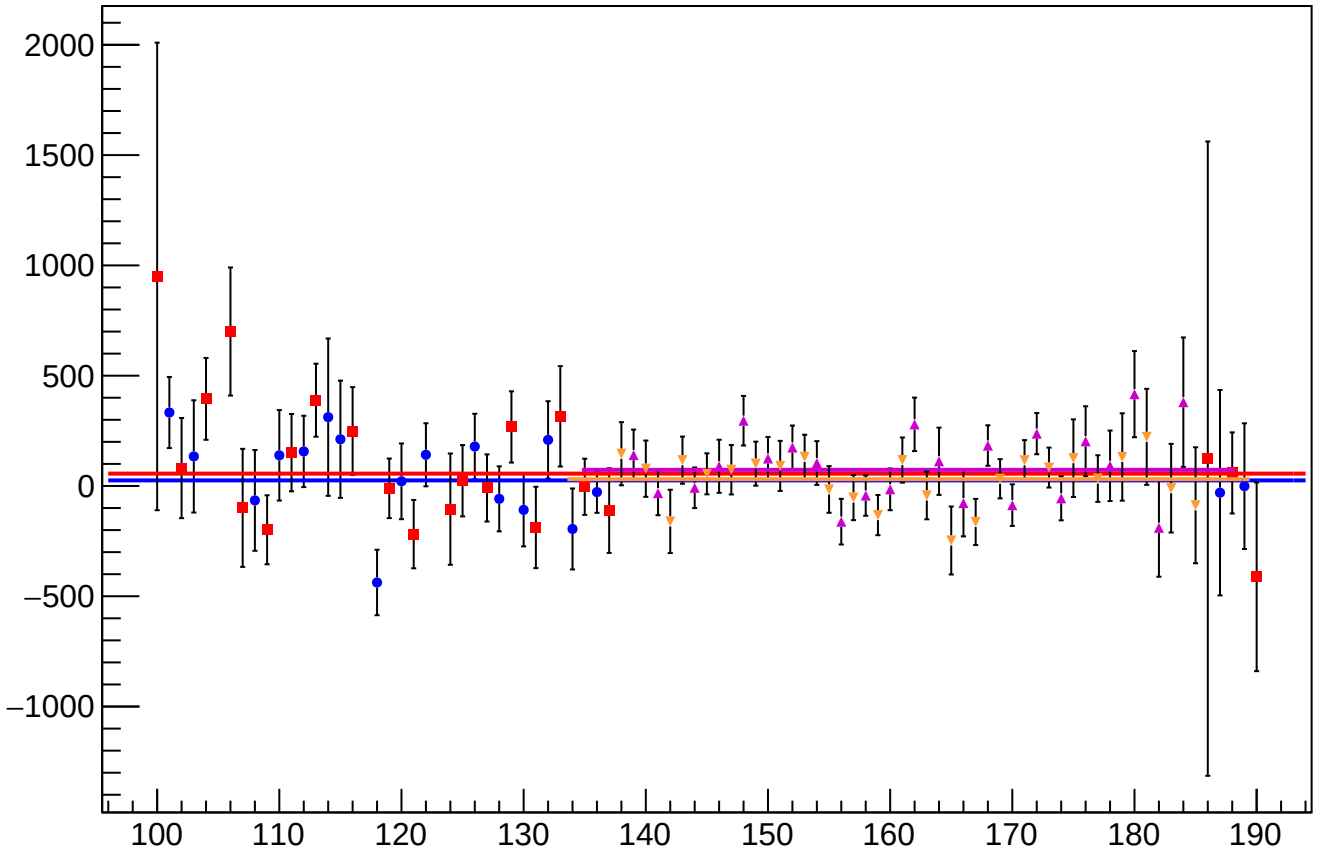
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1350.878+/-0.240 χ^2/NDF: 2244171.2/39

In: 743.476+/-0.108 χ^2/NDF:5113313.0/40

Out: 750.738+/-0.106 χ^2/NDF:6646846.8/46

All: 747.180+/-0.076 χ^2/NDF: 11762448.9/87



Right In: 25.264+/-40.639 χ^2/NDF: 21.4/17

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 55.932+/-40.312 χ^2/NDF: 28.2/21

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

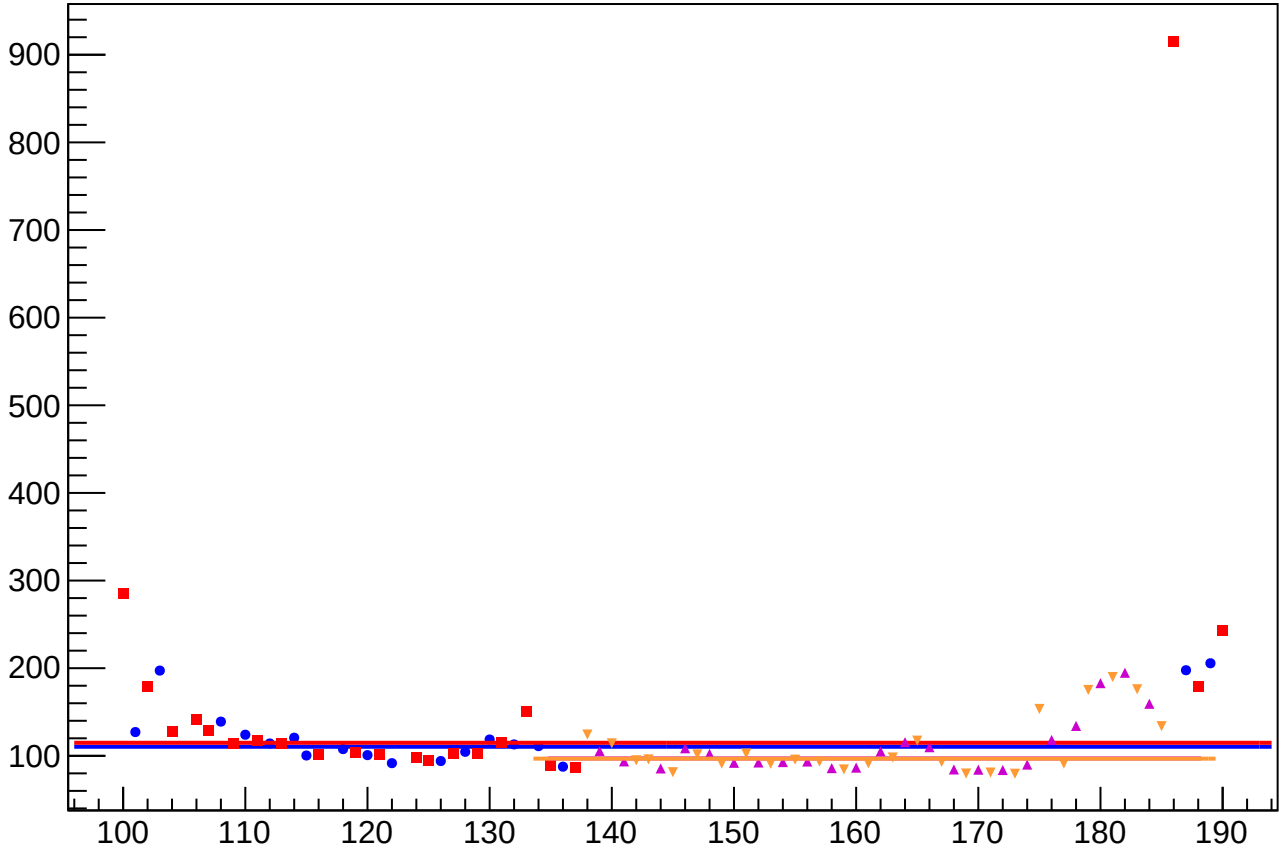
Right: 40.722+/-28.620 χ^2/NDF: 49.9/39

In: 61.140+/-20.350 χ^2/NDF:56.9/40

Out: 36.826+/-19.882 χ^2/NDF:48.4/46

All: 48.700+/-14.222 χ^2/NDF: 106.1/87

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 110.359+/-0.029 χ^2/NDF: 785722.3/17

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 114.897+/-0.029 χ^2/NDF: 1566984.1/21

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

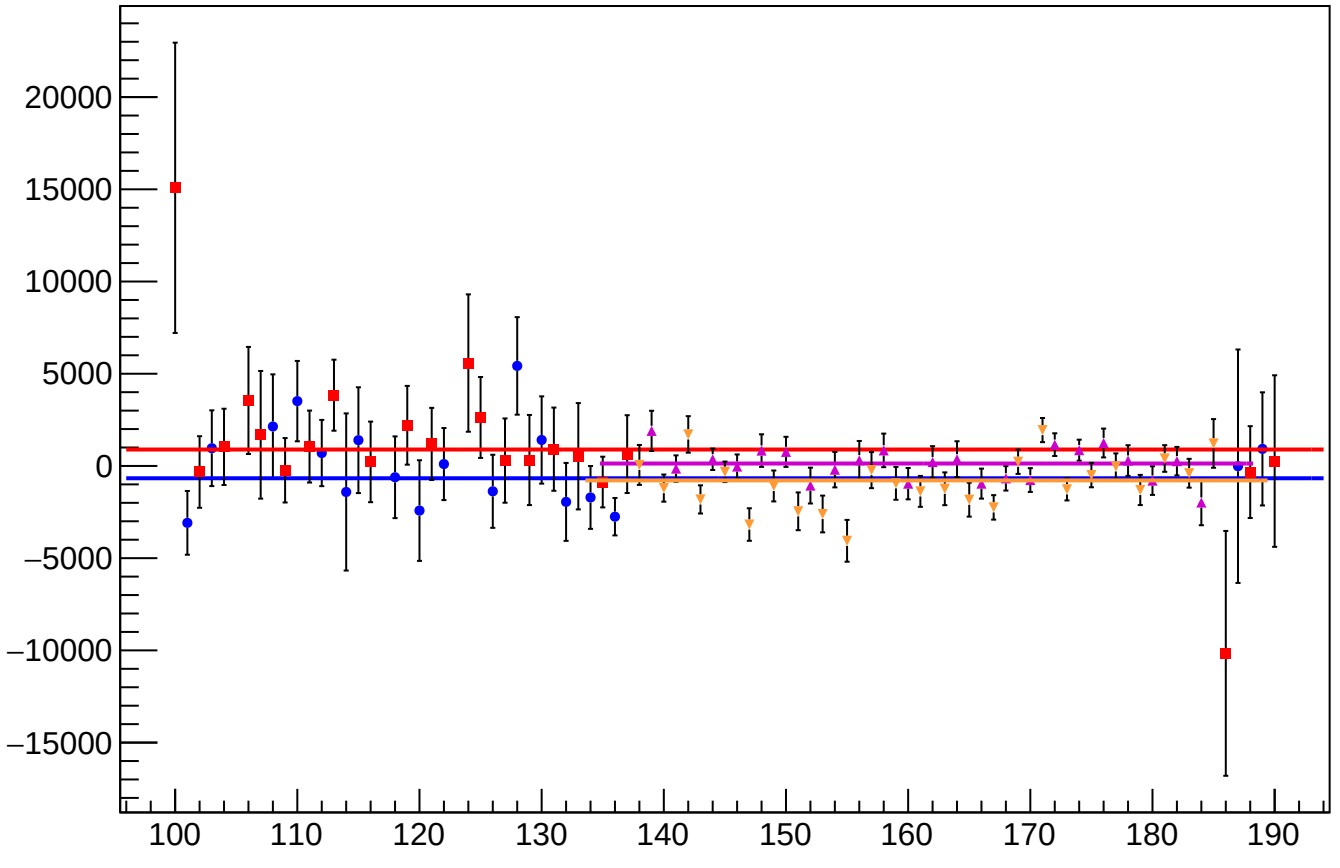
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 112.646+/-0.020 χ^2/NDF: 2365275.4/39

In: 100.362+/-0.014 χ^2/NDF:2268437.8/40

Out: 101.198+/-0.014 χ^2/NDF:3592611.4/46

All: 100.790+/-0.010 χ^2/NDF: 5862774.9/87



Right In: -667.736+/-485.561 χ^2/NDF: 20.4/17

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 890.670+/-487.467 χ^2/NDF: 14.8/21

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

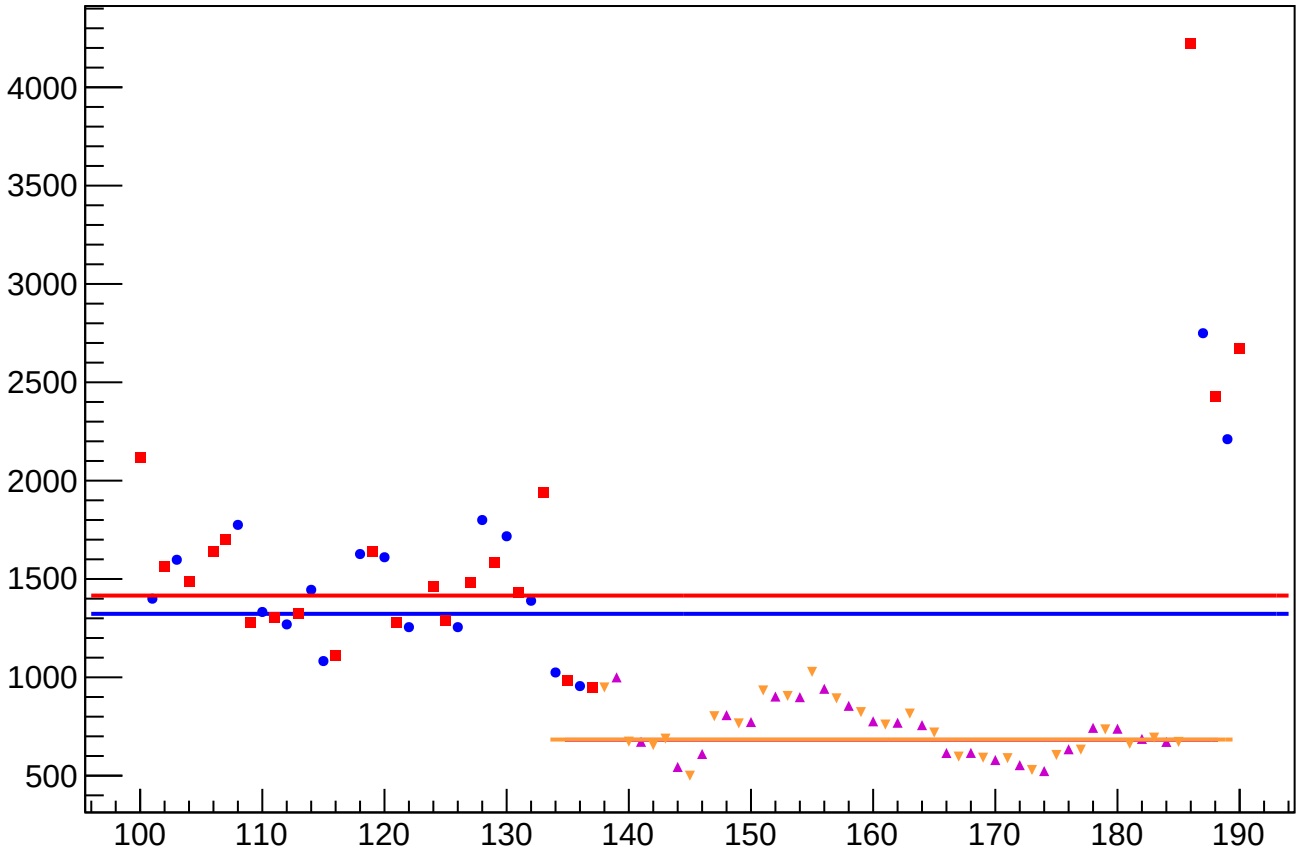
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 108.416+/-344.015 χ^2/NDF: 40.4/39

In: 50.974+/-154.022 χ^2/NDF:47.1/40

Out: -623.970+/-150.585 χ^2/NDF:91.9/46

All: -294.113+/-107.674 χ^2/NDF: 148.8/87



Right In: 1322.848+/-0.343 χ^2/NDF: 888342.8/17

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1415.700+/-0.345 χ^2/NDF: 1364474.2/21

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

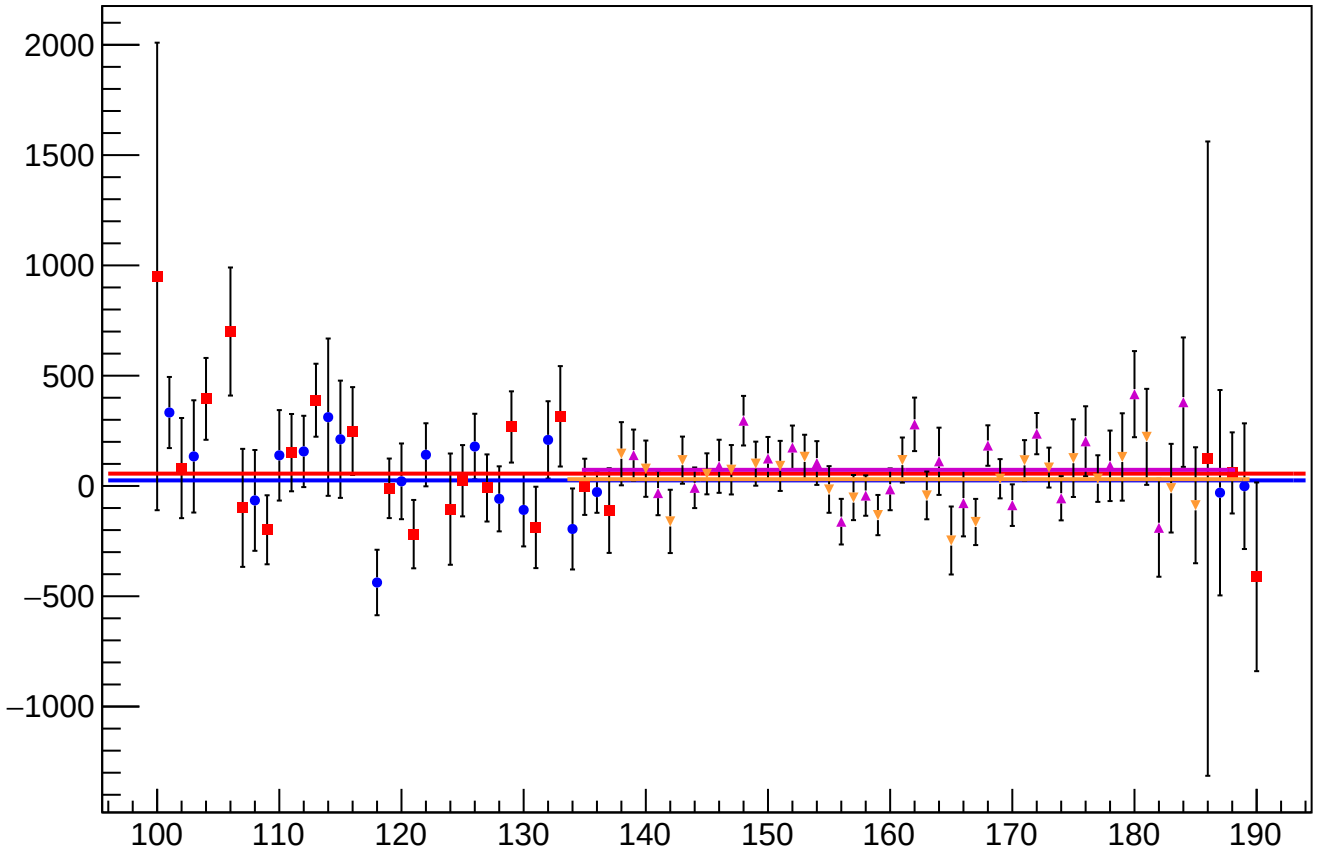
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1369.092+/-0.243 χ^2/NDF: 2289241.0/39

In: 746.447+/-0.109 χ^2/NDF:5208112.5/40

Out: 753.551+/-0.106 χ^2/NDF:6741957.5/46

All: 750.079+/-0.076 χ^2/NDF: 11952245.5/87



Right In: 25.265+/-40.639 χ^2/NDF: 21.4/17

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 55.930+/-40.311 χ^2/NDF: 28.2/21

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

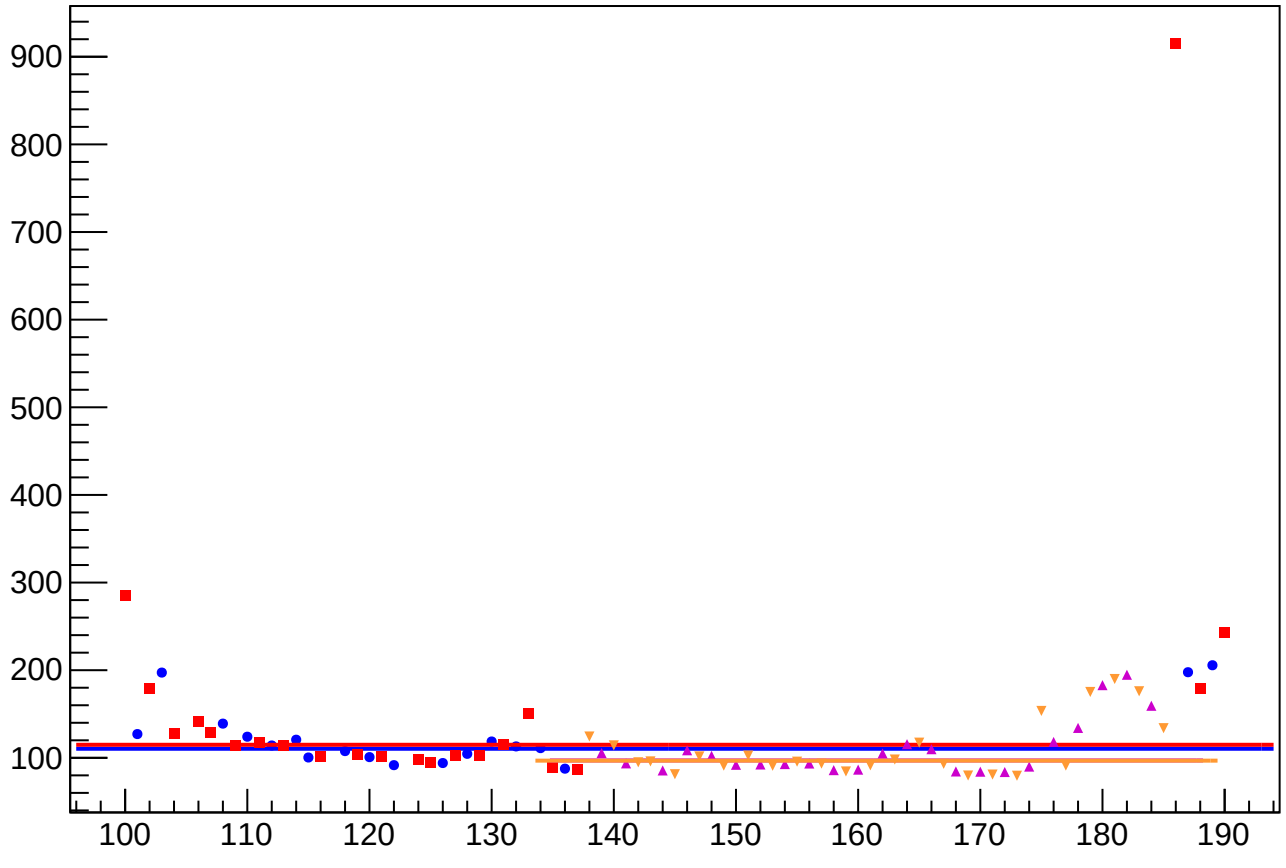
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 40.722+/-28.620 χ^2/NDF: 49.9/39

In: 61.140+/-20.350 χ^2/NDF:56.9/40

Out: 36.826+/-19.882 χ^2/NDF:48.4/46

All: 48.700+/-14.222 χ^2/NDF: 106.1/87



Right In: 110.358+/-0.029 χ^2/NDF: 785714.1/17

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 114.896+/-0.029 χ^2/NDF: 1566991.1/21

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

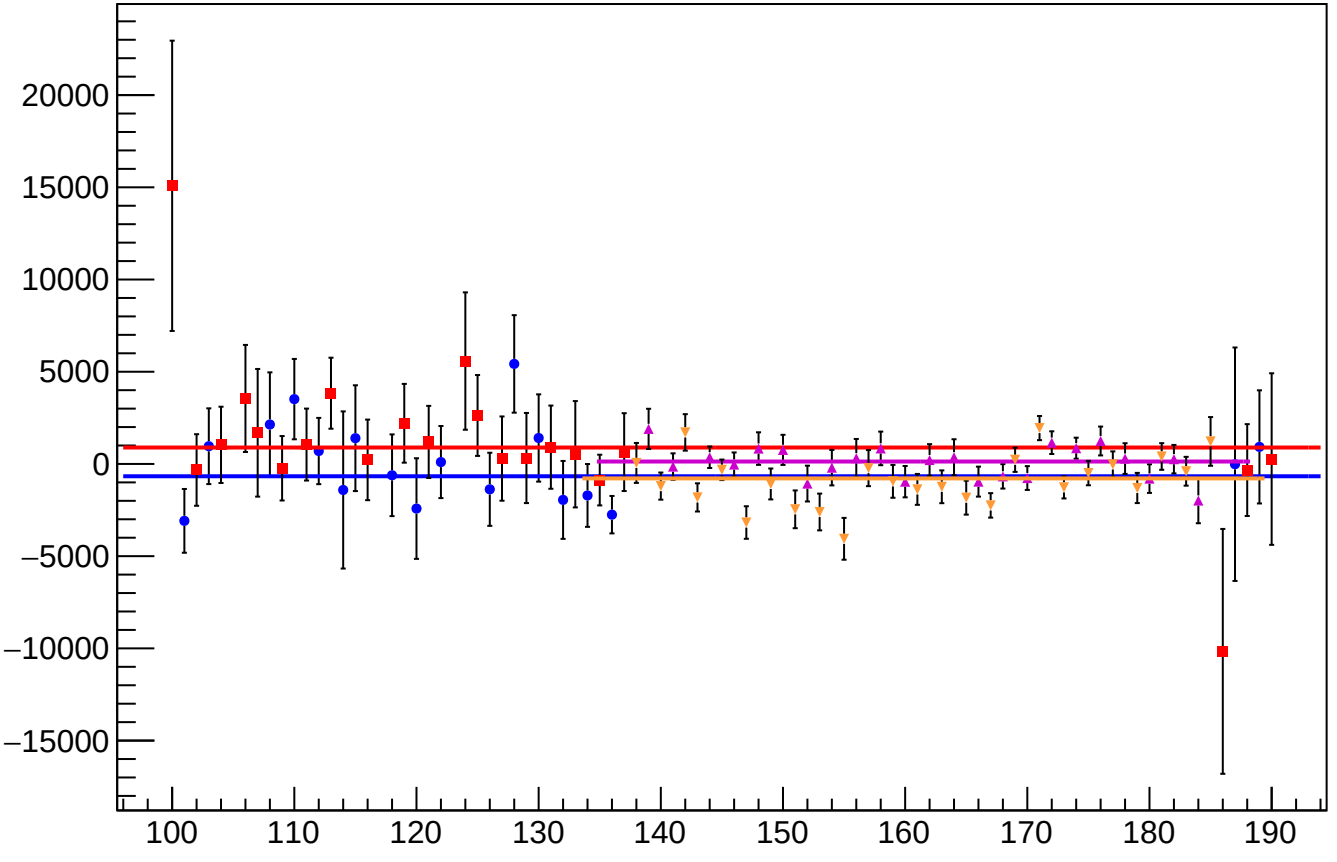
Right: 112.646+/-0.020 χ^2/NDF: 2365275.0/39

In: 100.362+/-0.014 χ^2/NDF:2268388.9/40

Out: 101.198+/-0.014 χ^2/NDF:3592588.7/46

All: 100.790+/-0.010 χ^2/NDF: 5862703.4/87

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -667.731+/-485.560 χ^2/NDF: 20.4/17

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 890.669+/-487.466 χ^2/NDF: 14.8/21

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

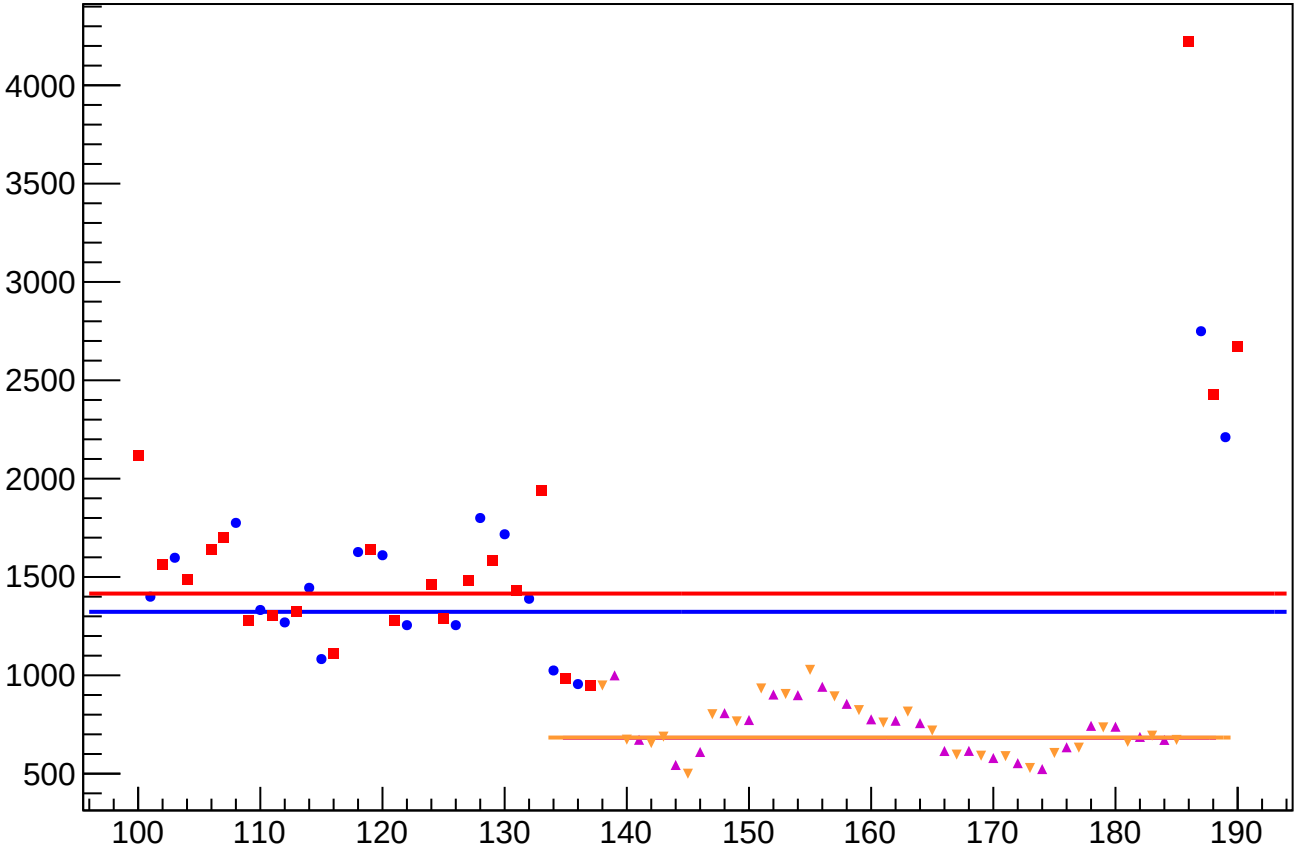
Right: 108.418+/-344.015 χ^2/NDF: 40.4/39

In: 50.974+/-154.022 χ^2/NDF:47.1/40

Out: -623.968+/-150.585 χ^2/NDF:91.9/46

All: -294.112+/-107.674 χ^2/NDF: 148.8/87

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1322.845+/-0.343 χ^2/NDF: 888341.2/17

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1415.697+/-0.345 χ^2/NDF: 1364475.3/21

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

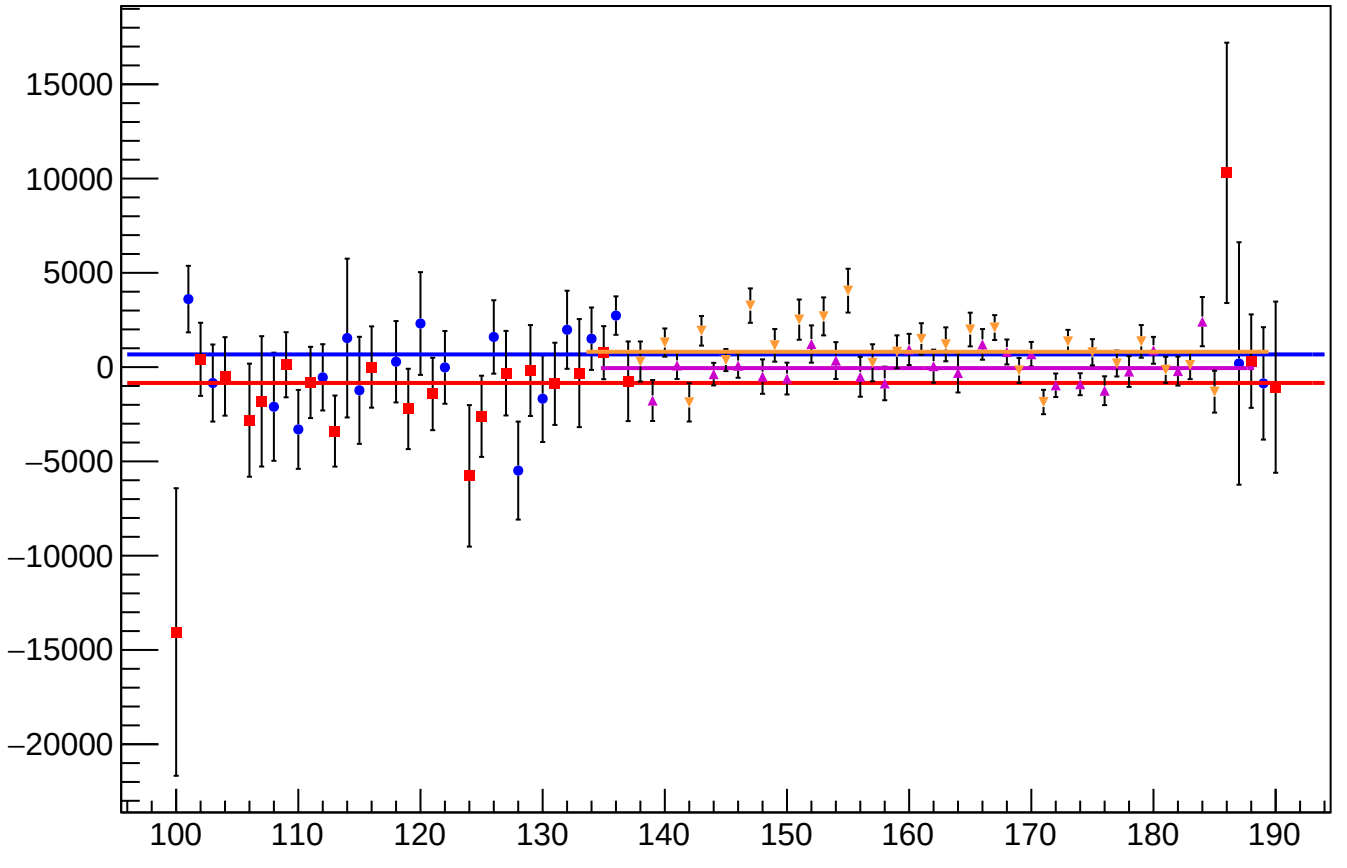
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1369.089+/-0.243 χ^2/NDF: 2289240.4/39

In: 746.445+/-0.109 χ^2/NDF:5208112.8/40

Out: 753.549+/-0.106 χ^2/NDF:6741963.6/46

All: 750.077+/-0.076 χ^2/NDF: 11952251.9/87



Right In: 673.619+/-480.472 χ^2/NDF: 21.2/17

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -840.222+/-484.293 χ^2/NDF: 13.5/21

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

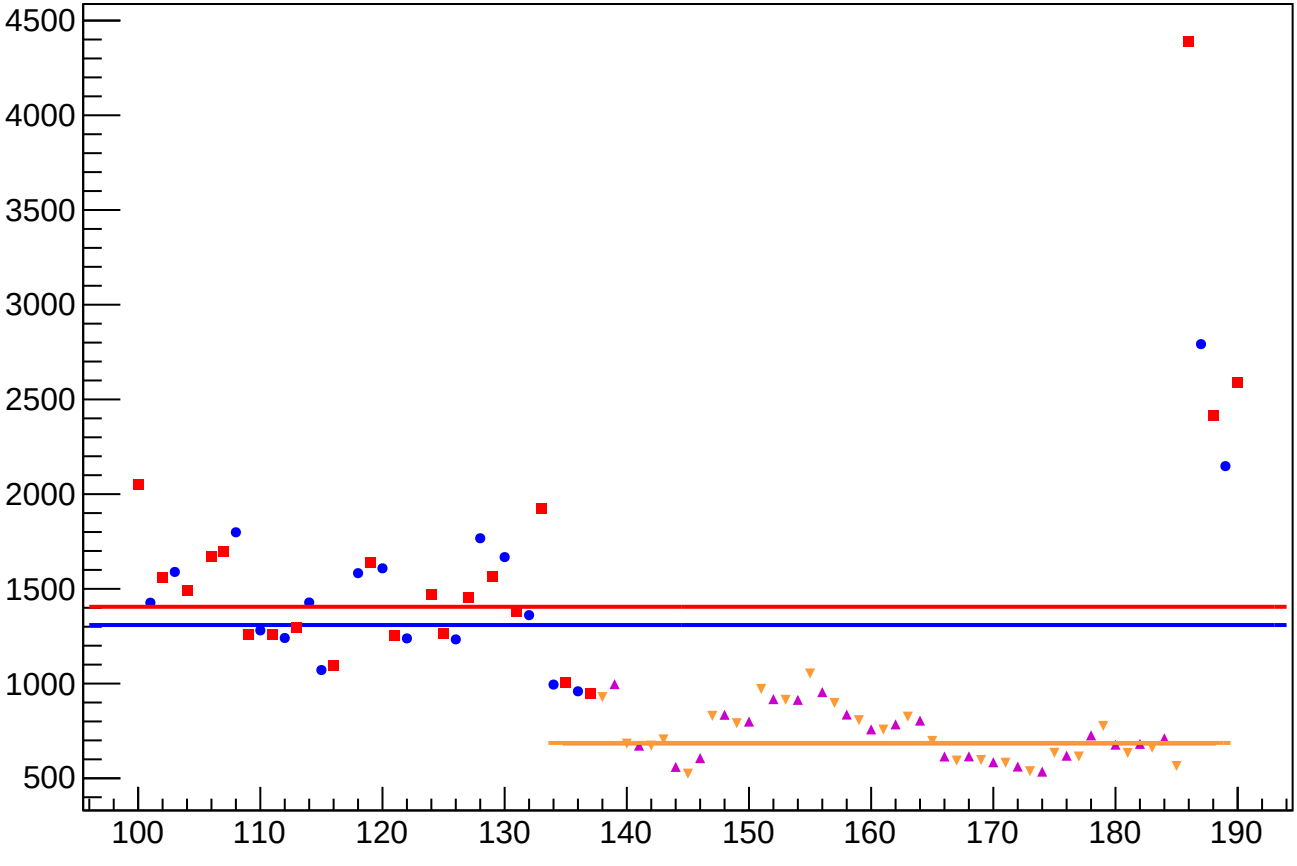
Right: -77.306+/-341.088 χ^2/NDF: 39.6/39

In: 22.662+/-154.390 χ^2/NDF:48.7/40

Out: 652.634+/-151.286 χ^2/NDF:89.8/46

All: 344.043+/-108.056 χ^2/NDF: 146.9/87

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1309.033+/-0.340 χ^2/NDF: 870516.5/17

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1405.276+/-0.342 χ^2/NDF: 1352556.9/21

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

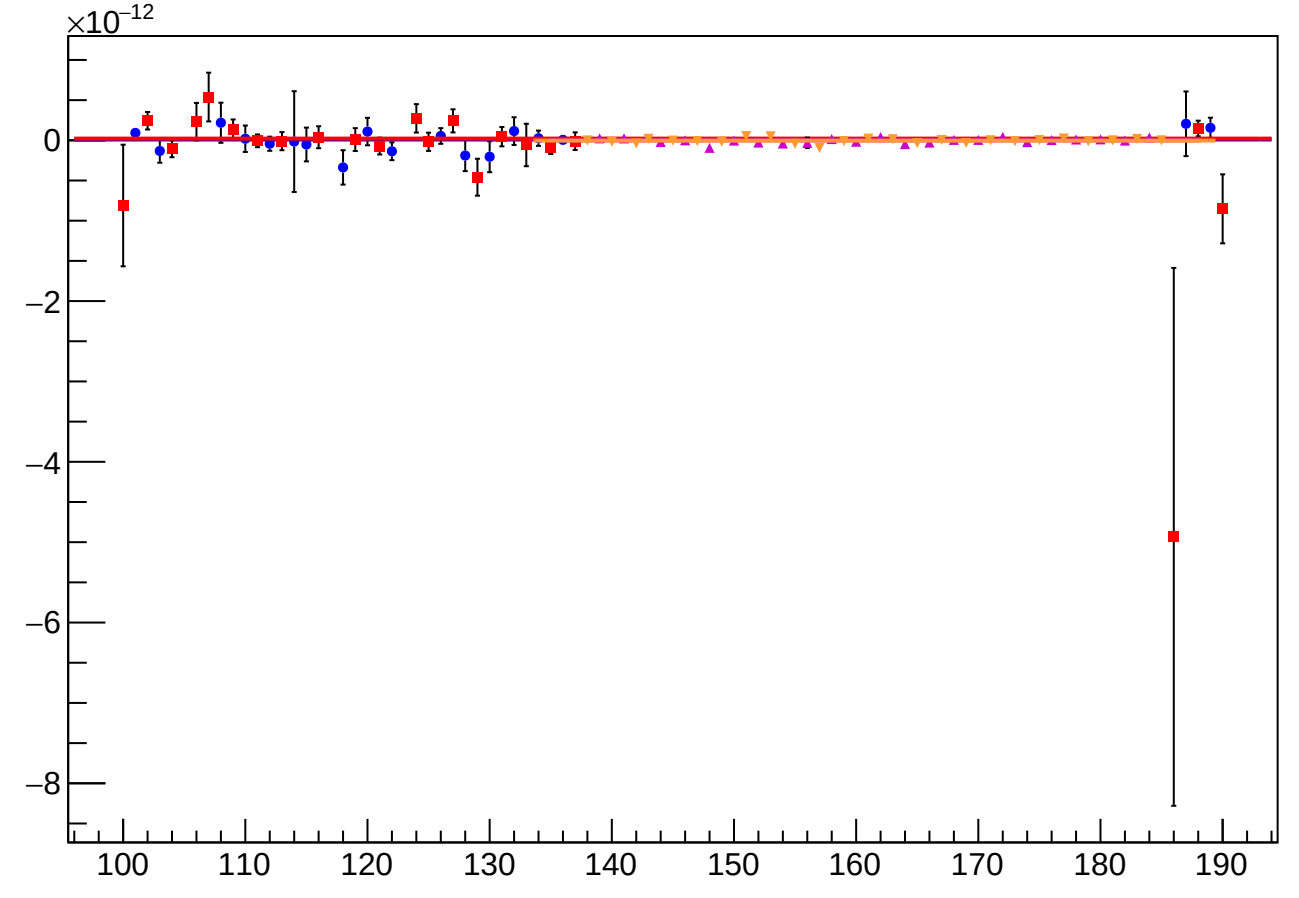
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1356.773+/-0.241 χ^2/NDF: 2262879.8/39

In: 749.221+/-0.109 χ^2/NDF:5063391.5/40

Out: 756.822+/-0.107 χ^2/NDF:6638226.1/46

All: 753.099+/-0.076 χ^2/NDF: 11704090.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/21

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

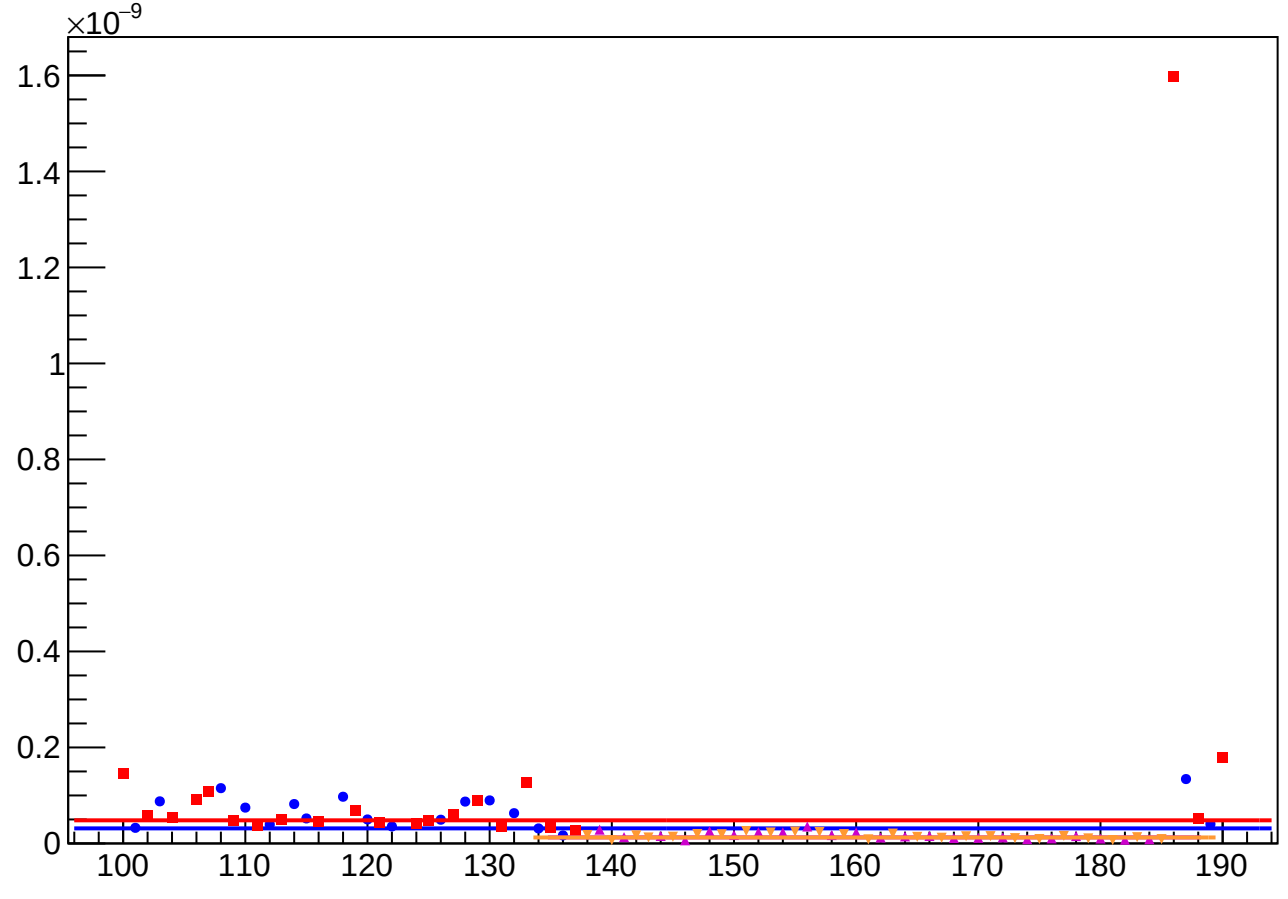
Right: 0.000+/-0.000 χ^2/NDF: 45.2/39

In: 0.000+/-0.000 χ^2/NDF:34.0/40

Out: -0.000+/-0.000 χ^2/NDF:49.1/46

All: -0.000+/-0.000 χ^2/NDF: 83.2/87

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2054911.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1339814.1/21

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

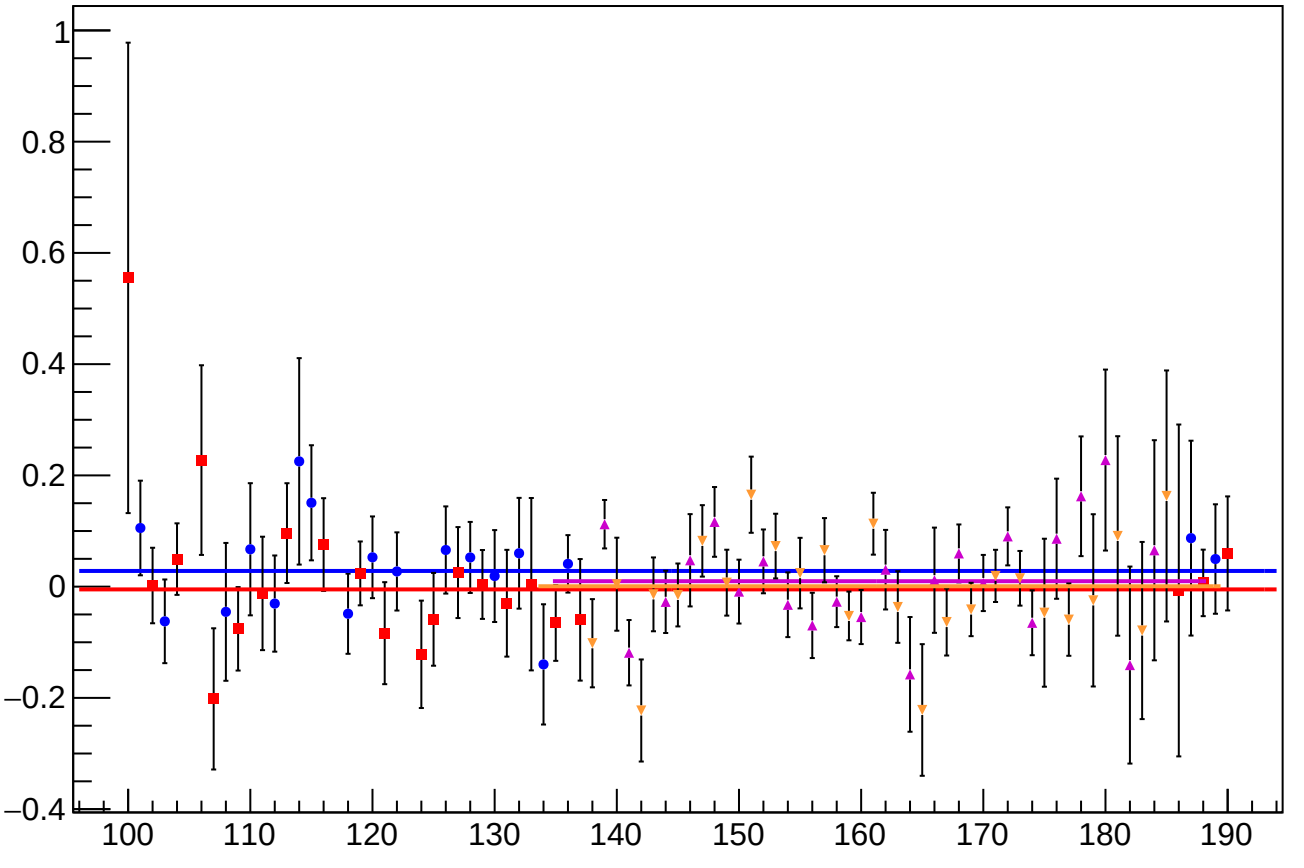
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3863701.2/39

In: 0.000+/-0.000 χ^2/NDF:5485942.7/40

Out: 0.000+/-0.000 χ^2/NDF:6357657.7/46

All: 0.000+/-0.000 χ^2/NDF: 11843681.9/87



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.005+/-0.018 χ^2/NDF: 14.4/21

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

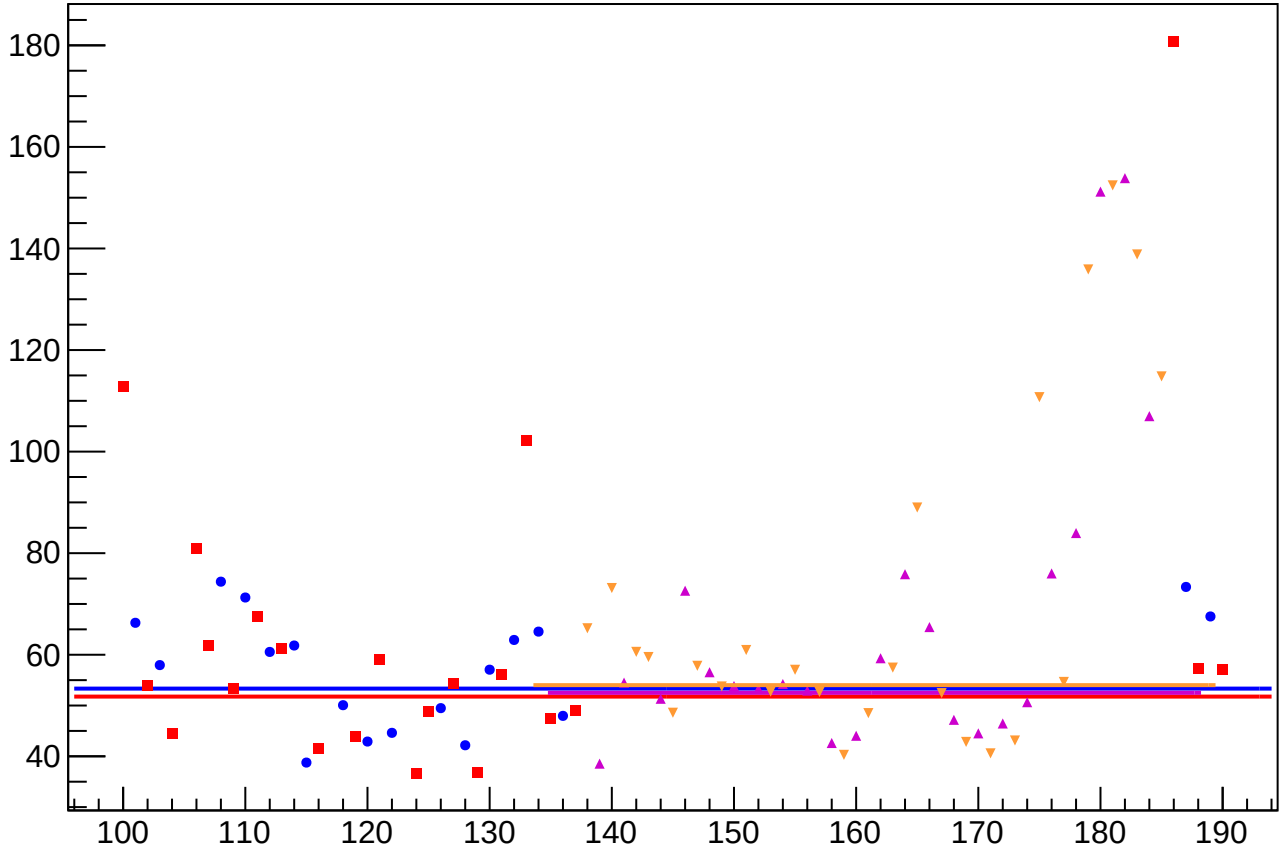
Right: 0.010+/-0.013 χ^2/NDF: 26.0/39

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.001+/-0.011 χ^2/NDF:46.2/46

All: 0.007+/-0.008 χ^2/NDF: 89.9/87

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.760+/-0.013 χ^2/NDF: 1082843.3/21

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

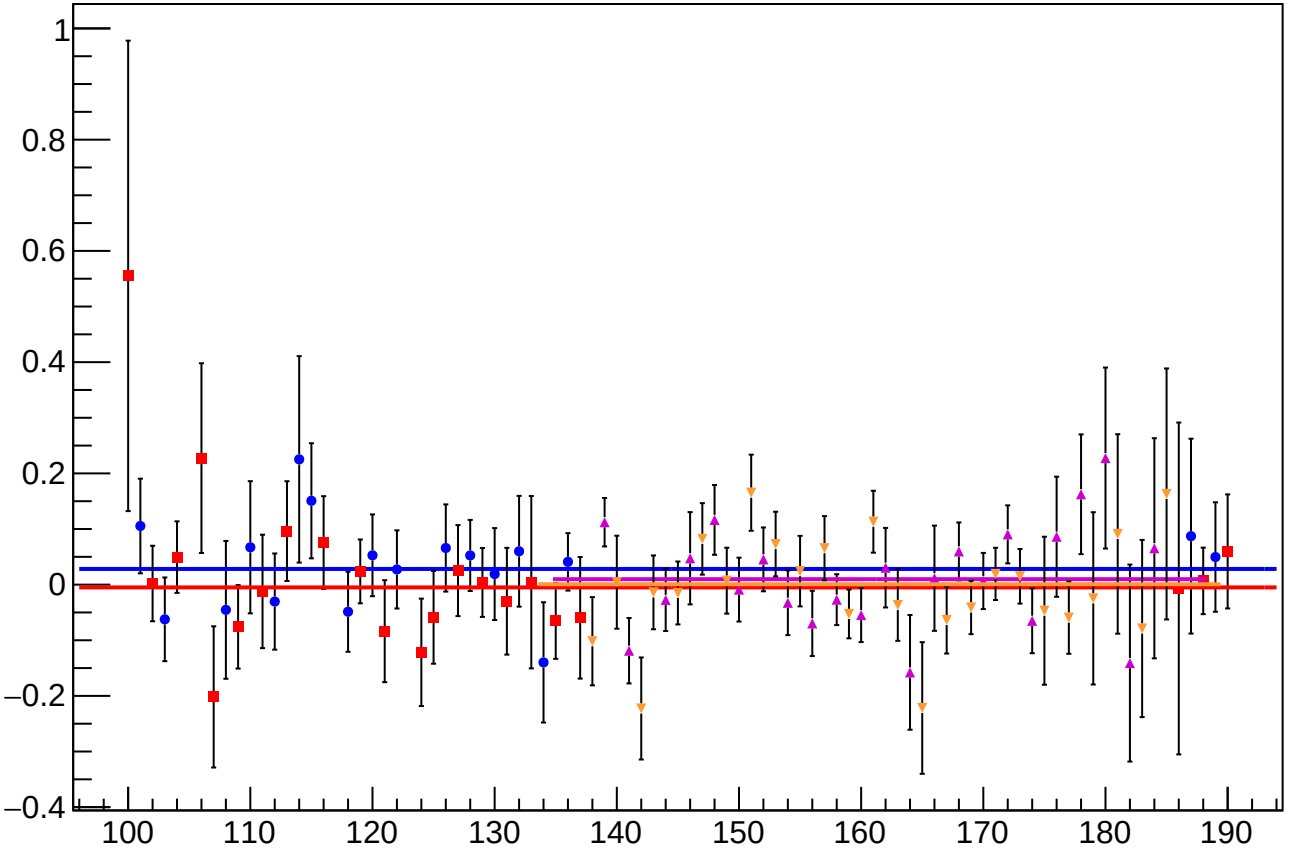
Right: 52.478+/-0.009 χ^2/NDF: 1579231.5/39

In: 52.757+/-0.008 χ^2/NDF:3049754.7/40

Out: 53.234+/-0.008 χ^2/NDF:4330467.2/46

All: 53.002+/-0.005 χ^2/NDF: 7382148.4/87

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.005+/-0.018 χ^2/NDF: 14.4/21

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

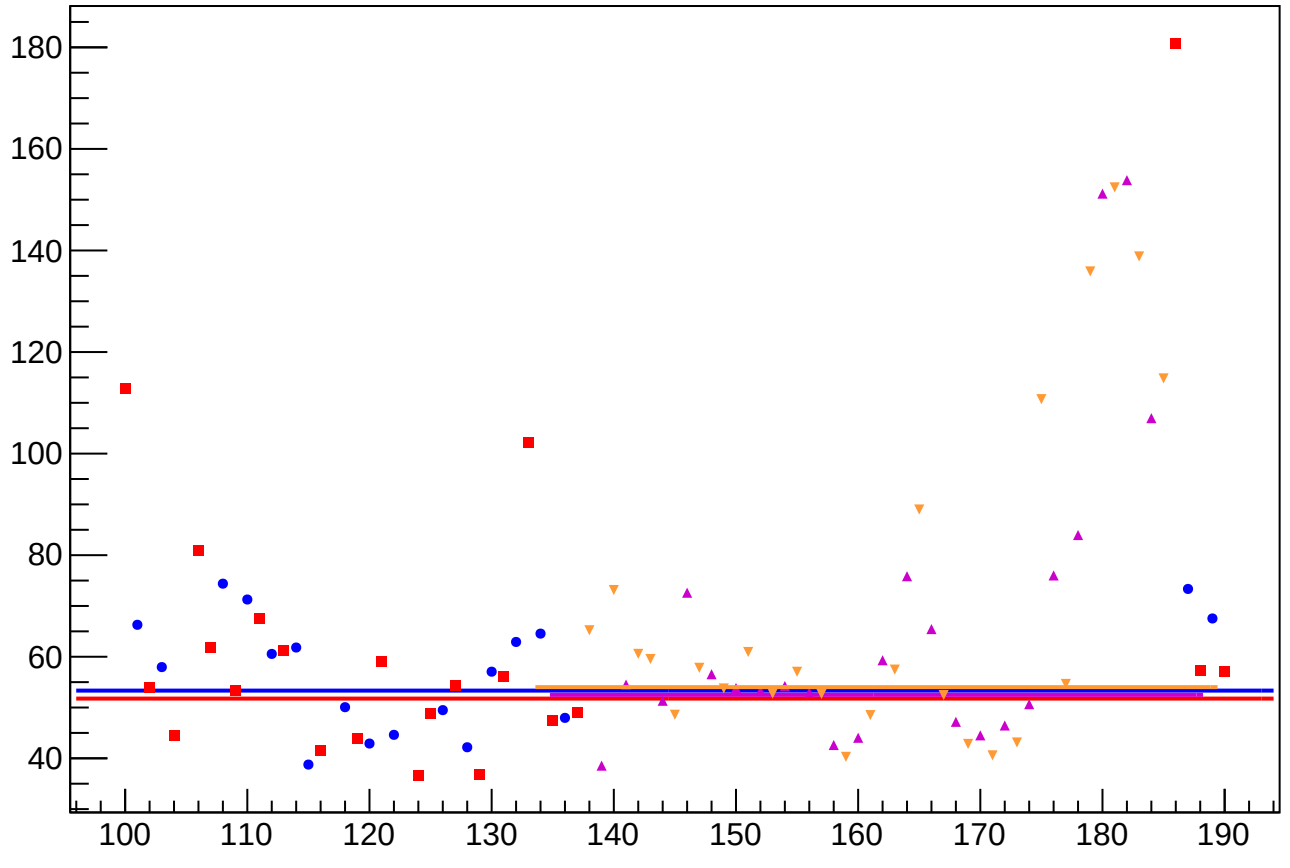
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.010+/-0.013 χ^2/NDF: 26.0/39

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.001+/-0.011 χ^2/NDF:46.2/46

All: 0.007+/-0.008 χ^2/NDF: 89.9/87



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.760+/-0.013 χ^2/NDF: 1082843.3/21

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

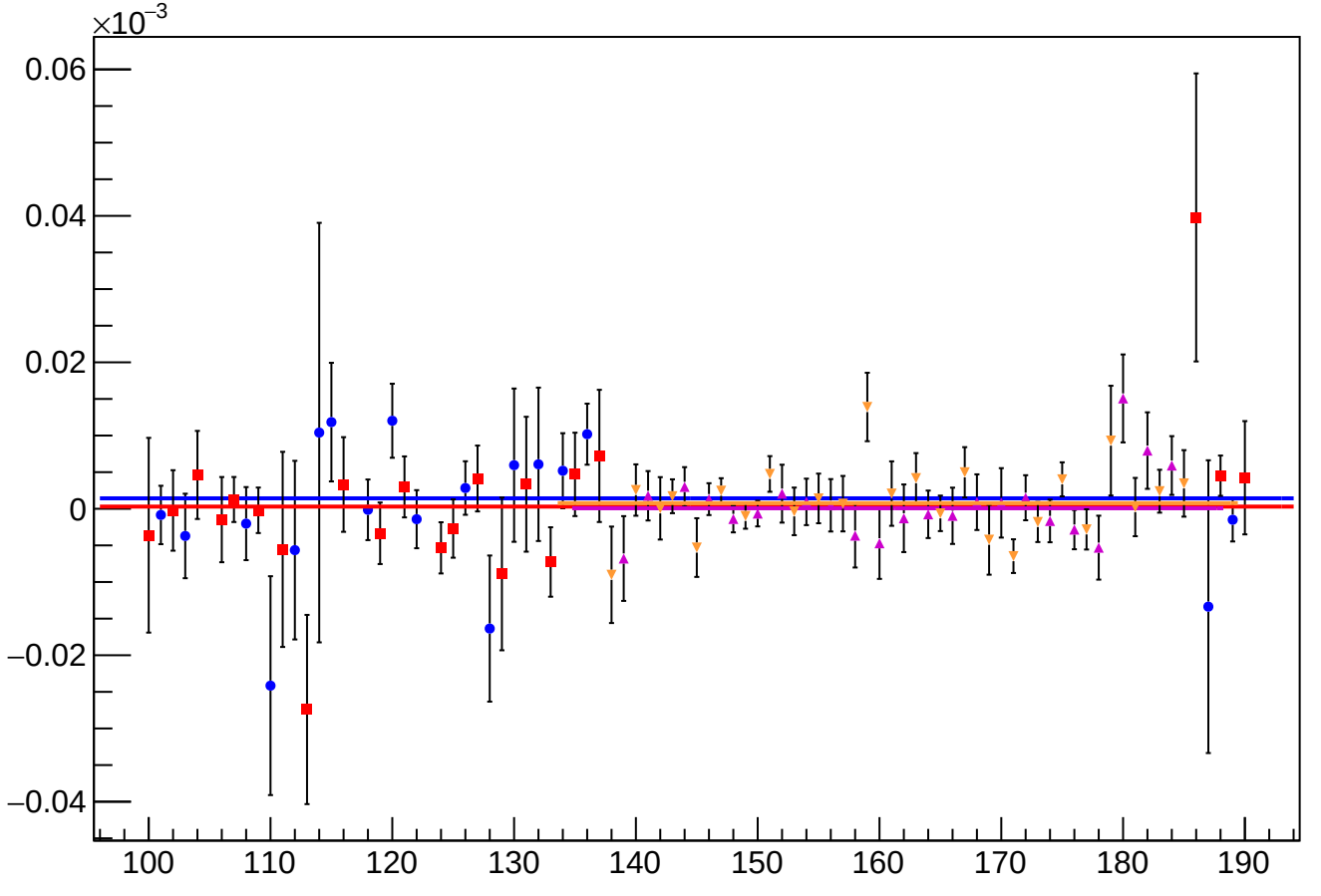
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.478+/-0.009 χ^2/NDF: 1579231.5/39

In: 52.757+/-0.008 χ^2/NDF:3049754.7/40

Out: 53.234+/-0.008 χ^2/NDF:4330467.2/46

All: 53.002+/-0.005 χ^2/NDF: 7382148.4/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/21

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

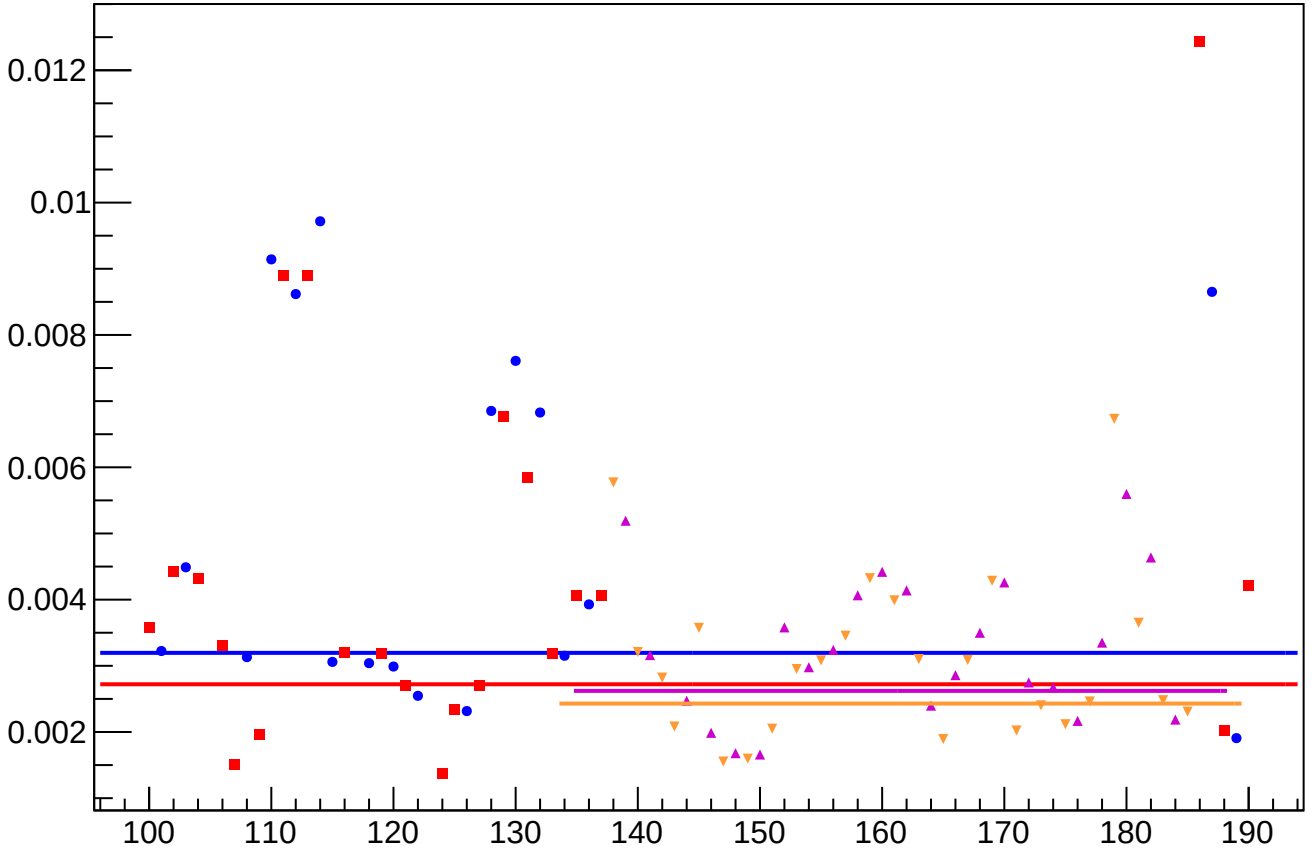
Right: 0.000+/-0.000 χ^2/NDF: 44.5/39

In: 0.000+/-0.000 χ^2/NDF:43.0/40

Out: 0.000+/-0.000 χ^2/NDF:60.4/46

All: 0.000+/-0.000 χ^2/NDF: 103.5/87

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2546544.6/17

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3428620.4/21

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

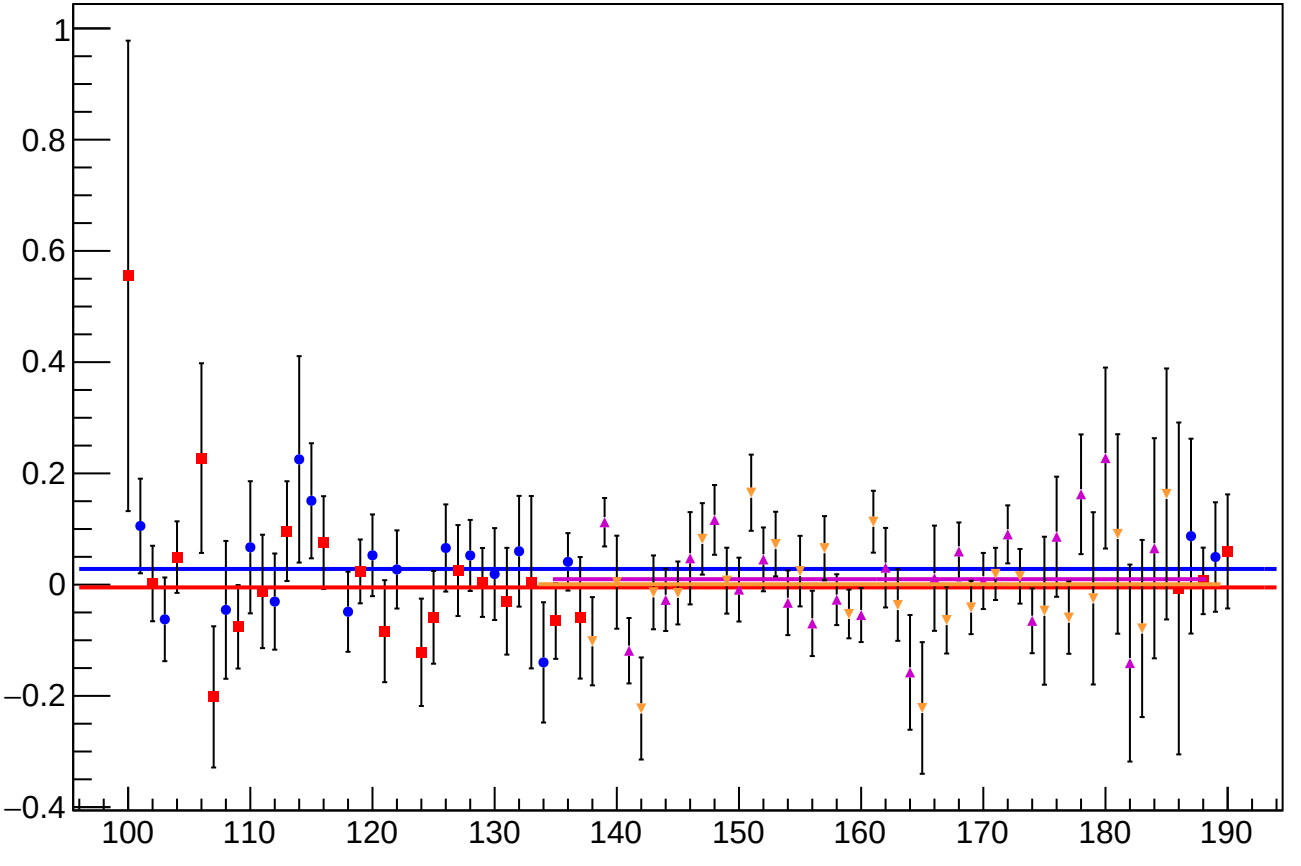
Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

Right: 0.003+/-0.000 χ^2/NDF: 6144002.1/39

In: 0.003+/-0.000 χ^2/NDF:6831199.6/40

Out: 0.002+/-0.000 χ^2/NDF:7764403.3/46

All: 0.003+/-0.000 χ^2/NDF: 14795725.5/87



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.005+/-0.018 χ^2/NDF: 14.4/21

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

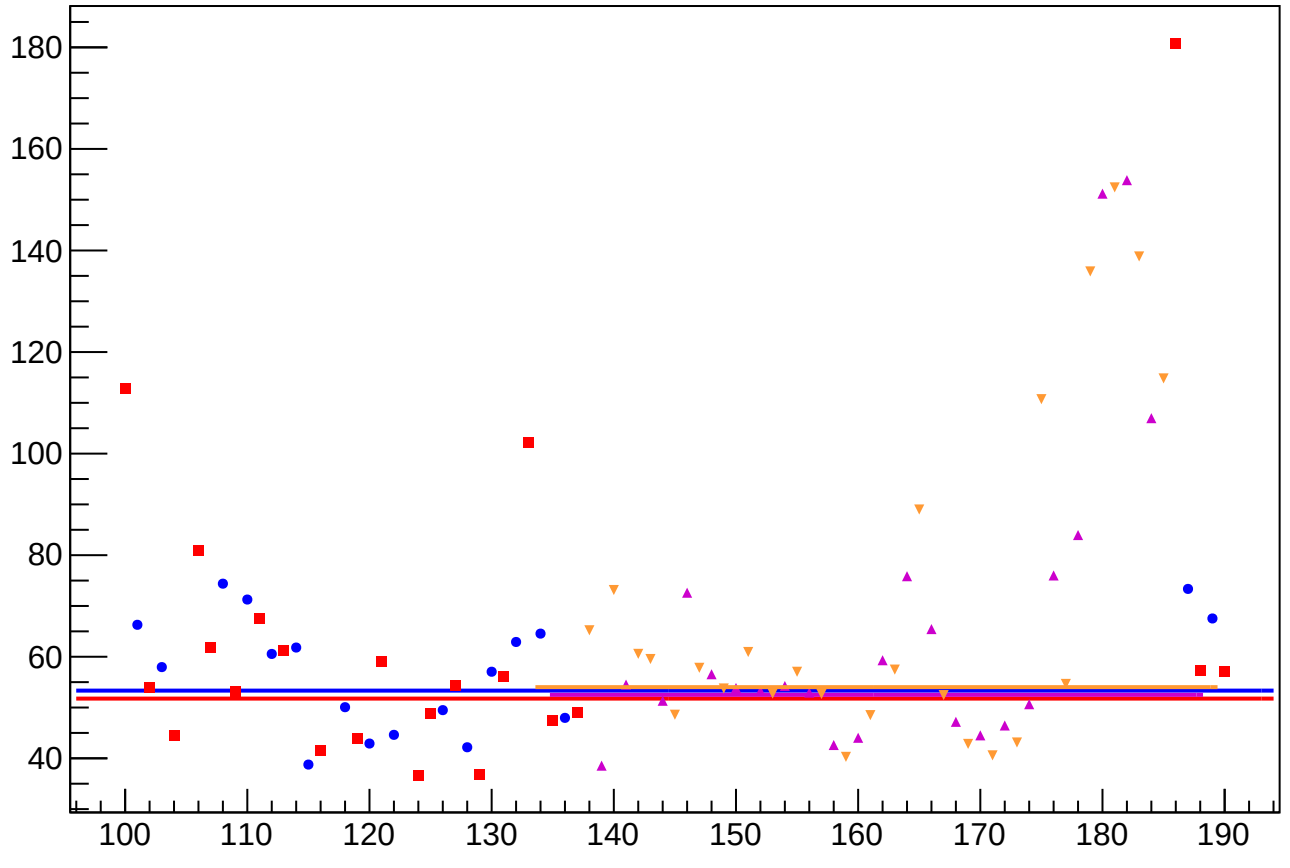
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.010+/-0.013 χ^2/NDF: 26.0/39

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.001+/-0.011 χ^2/NDF:46.2/46

All: 0.007+/-0.008 χ^2/NDF: 89.9/87



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.759+/-0.013 χ^2/NDF: 1082877.5/21

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

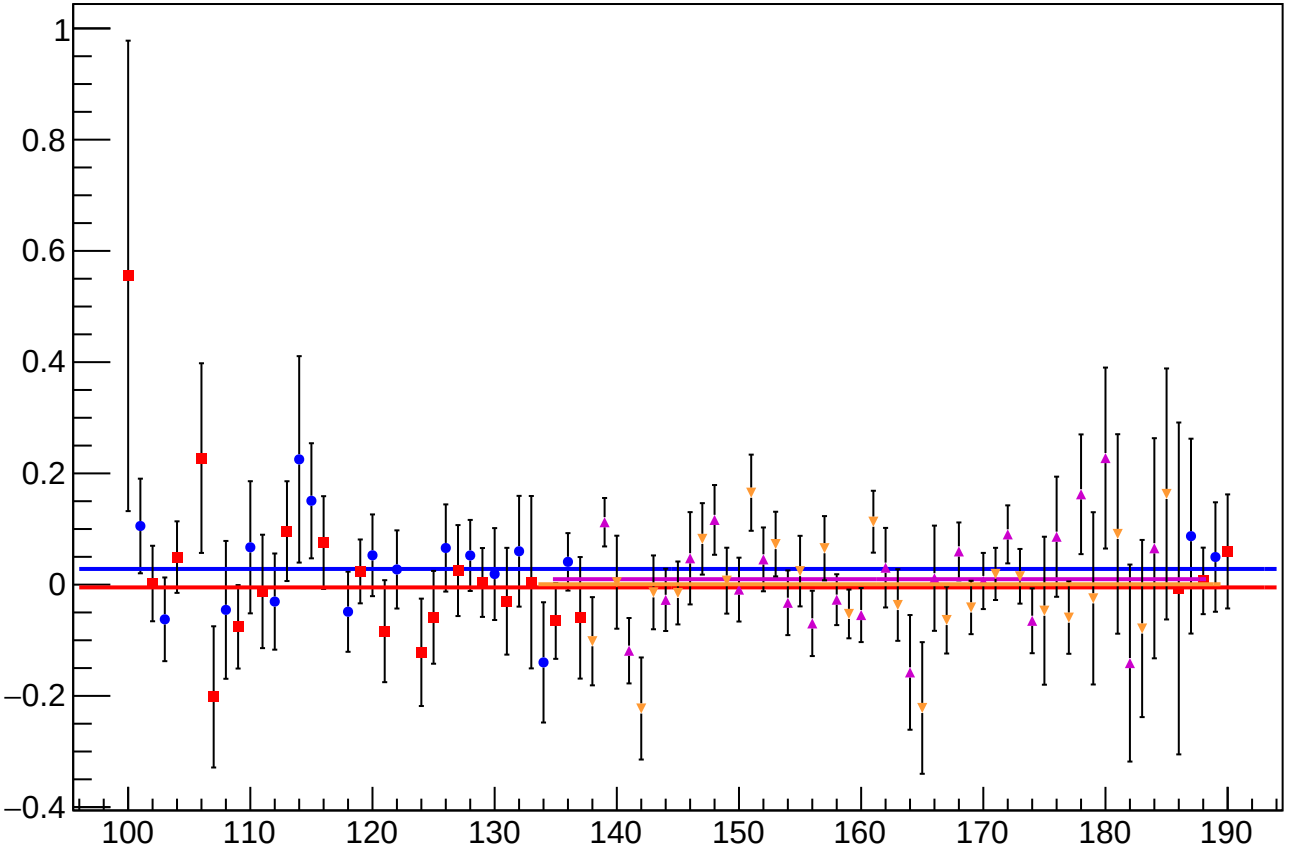
Right: 52.477+/-0.009 χ^2/NDF: 1579233.1/39

In: 52.757+/-0.008 χ^2/NDF:3049757.5/40

Out: 53.234+/-0.008 χ^2/NDF:4330542.8/46

All: 53.002+/-0.005 χ^2/NDF: 7382227.0/87

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.005+/-0.018 χ^2/NDF: 14.4/21

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

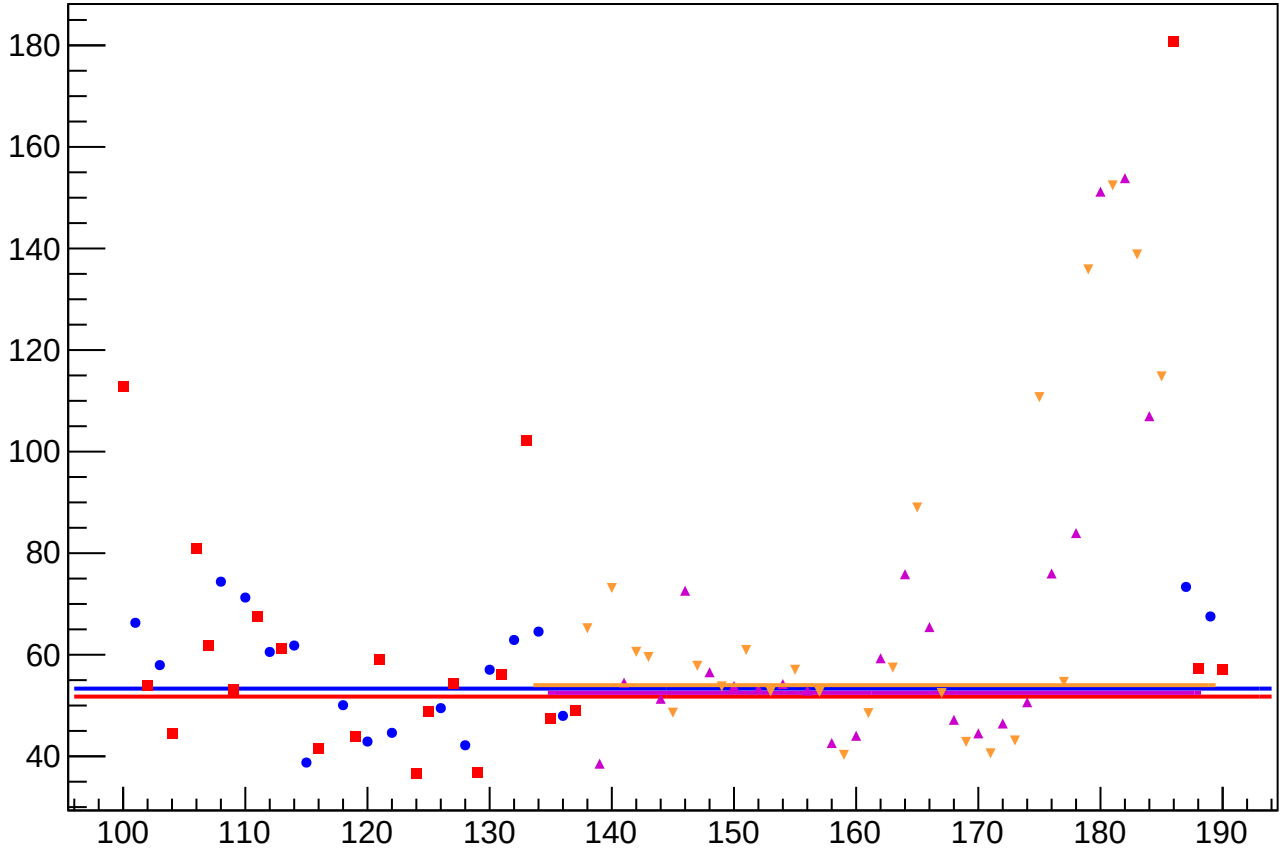
Right: 0.010+/-0.013 χ^2/NDF: 26.0/39

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.001+/-0.011 χ^2/NDF:46.2/46

All: 0.007+/-0.008 χ^2/NDF: 89.9/87

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.759+/-0.013 χ^2/NDF: 1082877.5/21

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

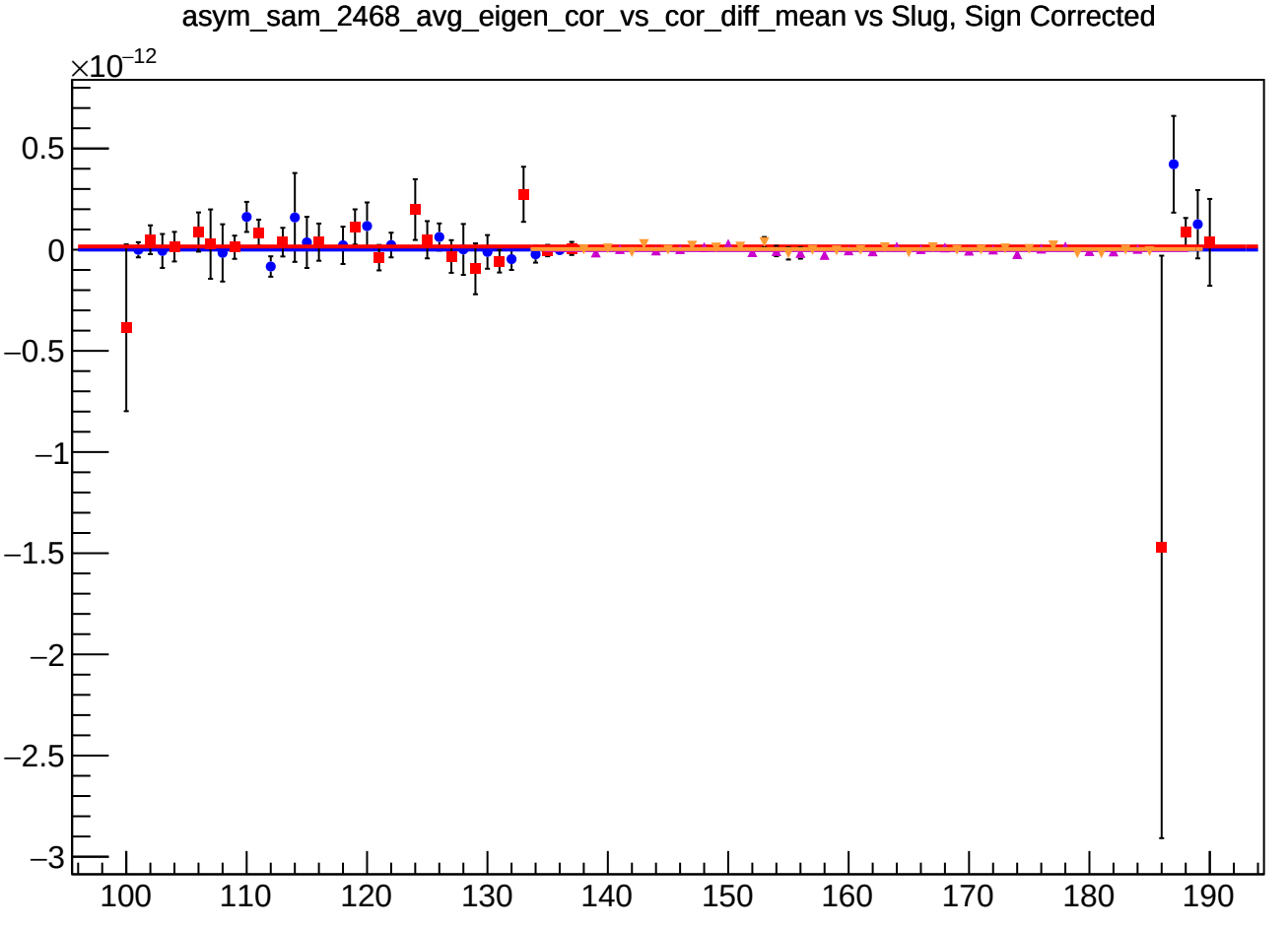
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.477+/-0.009 χ^2/NDF: 1579233.1/39

In: 52.757+/-0.008 χ^2/NDF:3049757.5/40

Out: 53.234+/-0.008 χ^2/NDF:4330542.8/46

All: 53.002+/-0.005 χ^2/NDF: 7382227.0/87



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/21

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

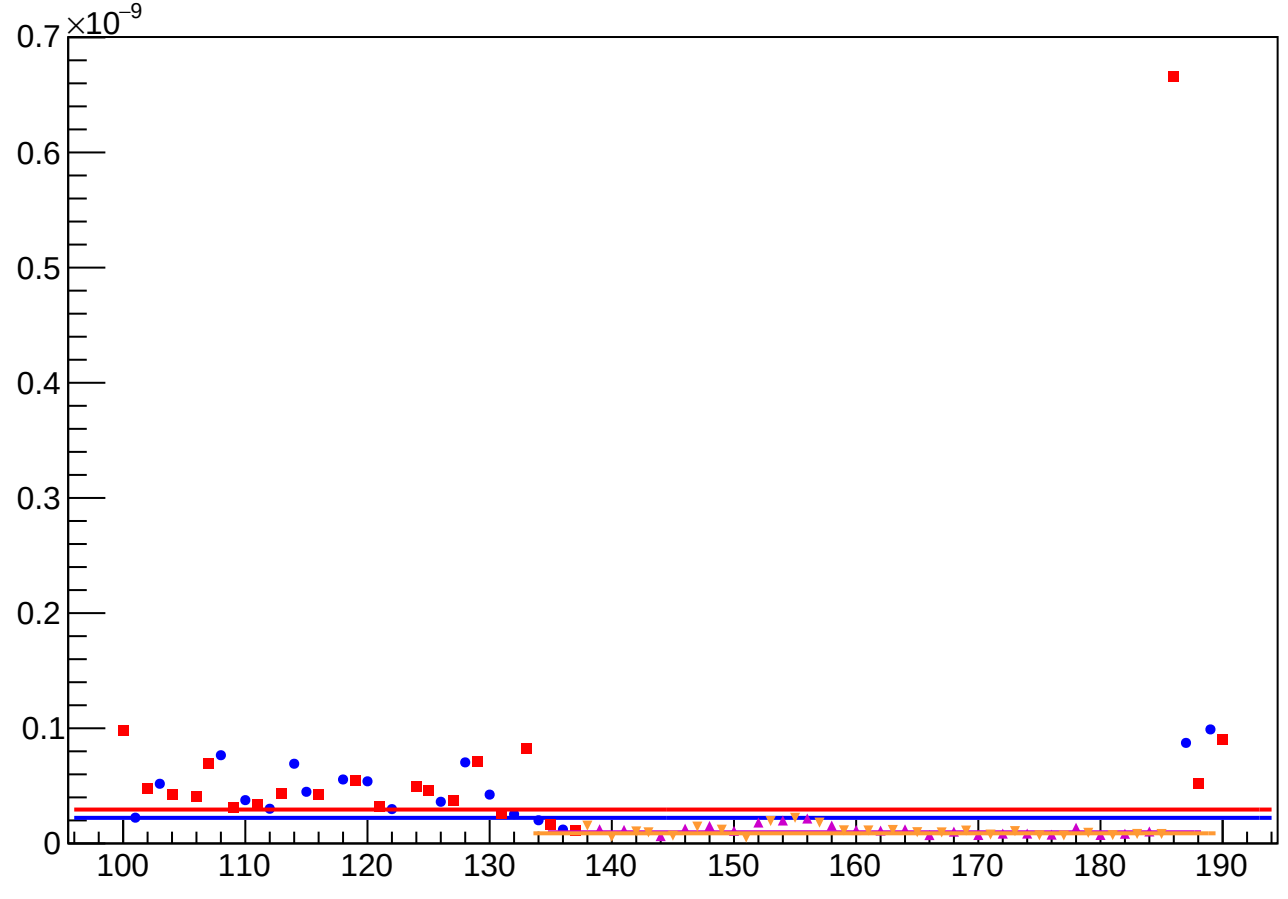
Right: 0.000+/-0.000 χ^2/NDF: 31.4/39

In: -0.000+/-0.000 χ^2/NDF:30.3/40

Out: 0.000+/-0.000 χ^2/NDF:38.4/46

All: 0.000+/-0.000 χ^2/NDF: 70.3/87

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3089491.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3157273.5/21

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

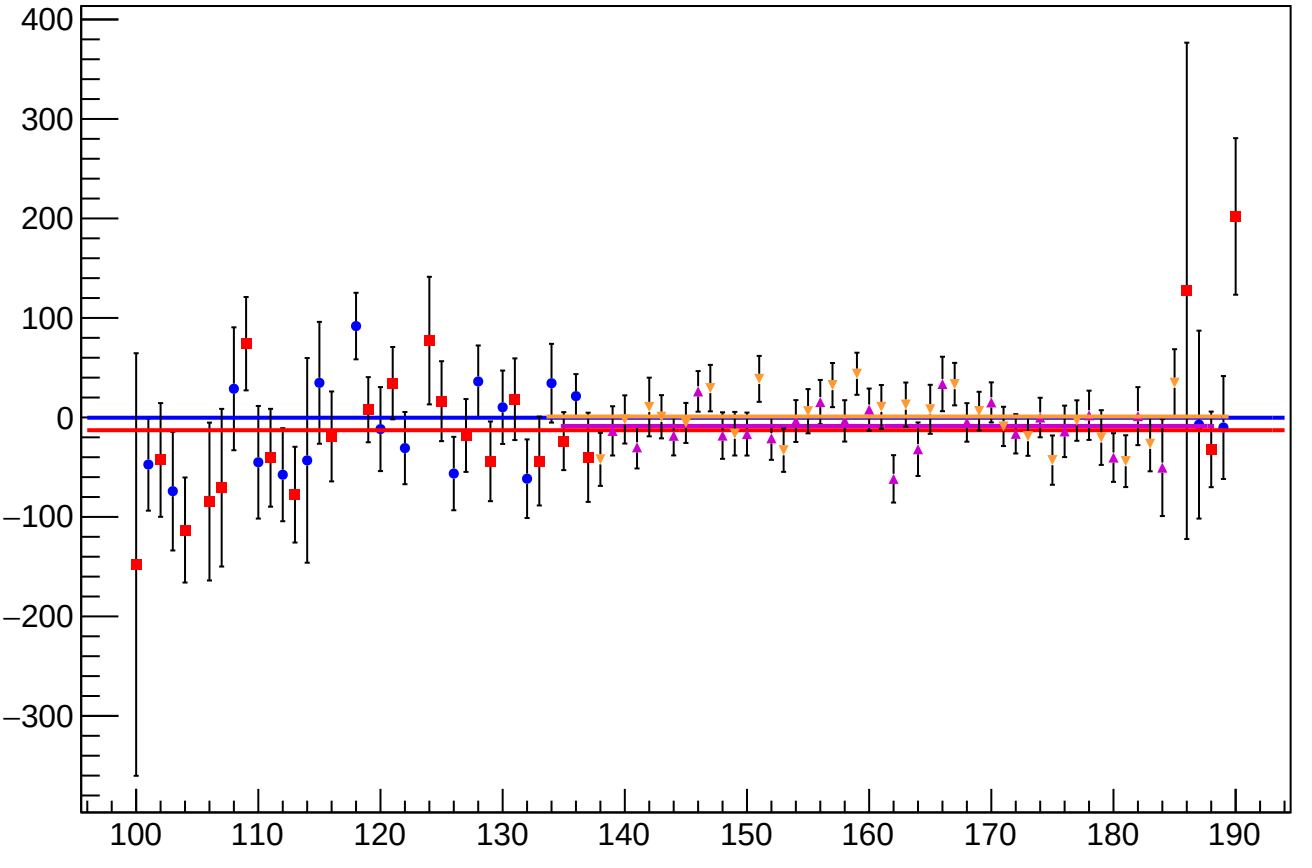
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6549617.0/39

In: 0.000+/-0.000 χ^2/NDF:7481740.7/40

Out: 0.000+/-0.000 χ^2/NDF:9767985.3/46

All: 0.000+/-0.000 χ^2/NDF: 17364451.4/87



Right In: -0.295+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -12.845+/-9.826 χ^2/NDF: 26.0/21

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

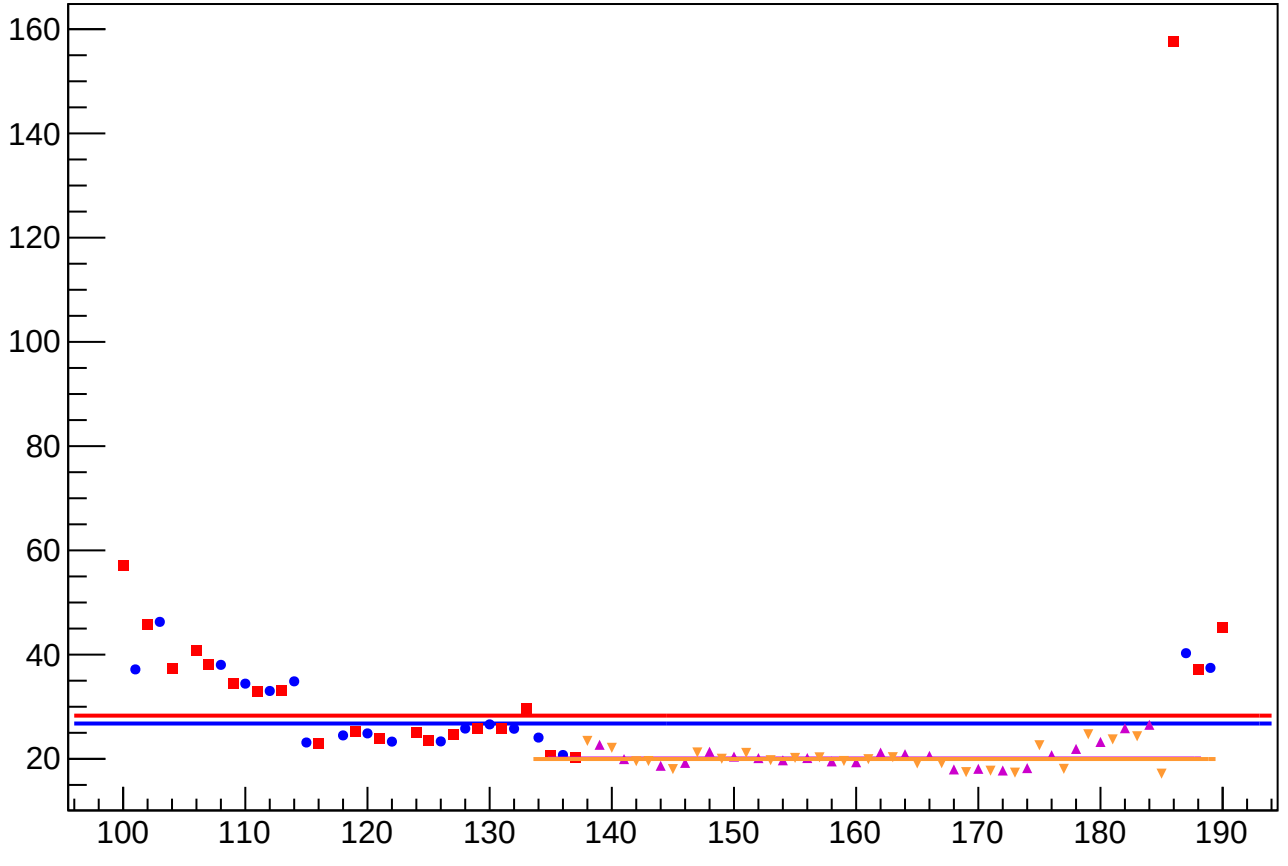
Right: -6.560+/-6.942 χ^2/NDF: 48.2/39

In: -7.037+/-4.256 χ^2/NDF:41.3/40

Out: -1.534+/-4.147 χ^2/NDF:56.9/46

All: -4.214+/-2.970 χ^2/NDF: 99.0/87

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.782+/-0.007 χ^2/NDF: 808038.9/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.295+/-0.007 χ^2/NDF: 1517437.6/21

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

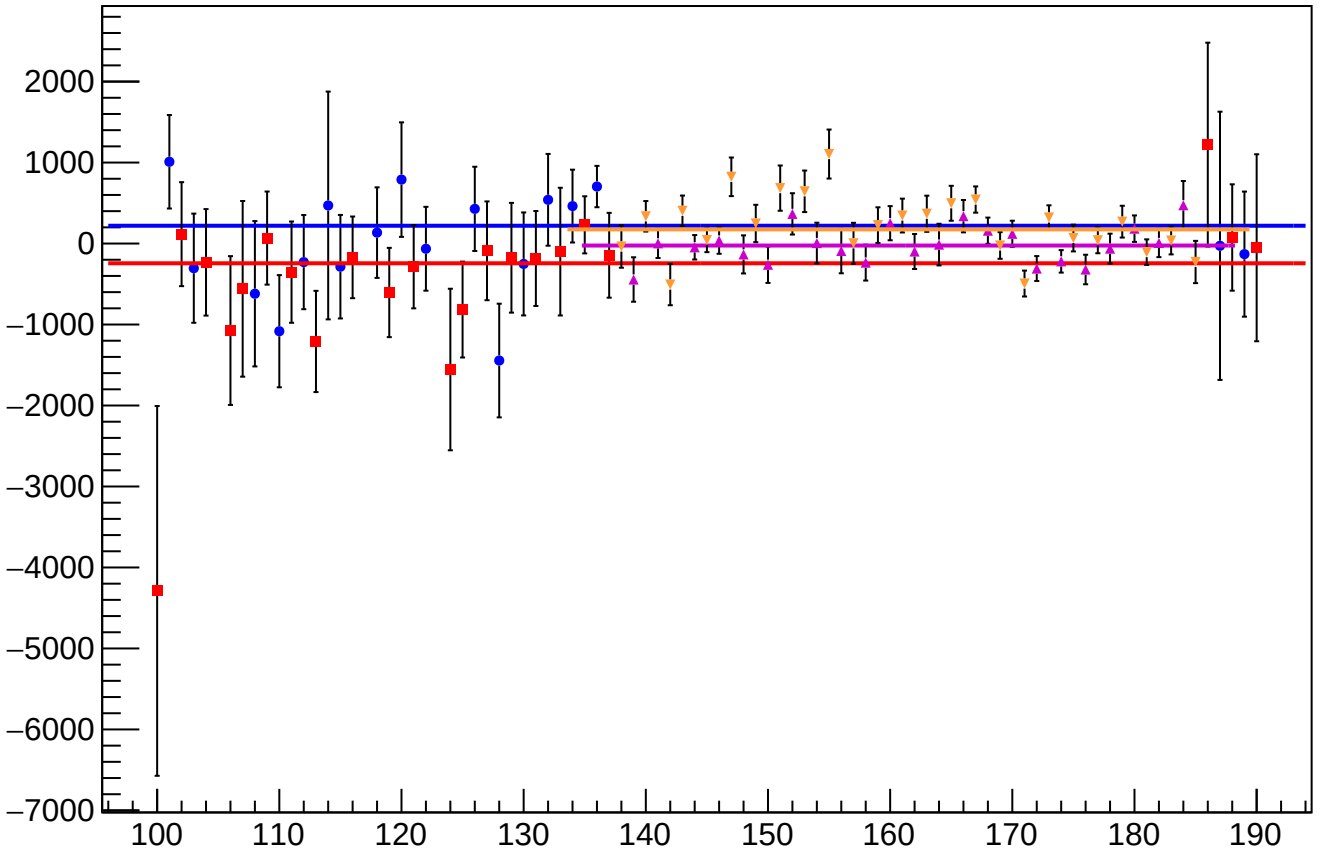
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 27.537+/-0.005 χ^2/NDF: 2349217.2/39

In: 21.335+/-0.003 χ^2/NDF:1869228.3/40

Out: 21.451+/-0.003 χ^2/NDF:3084472.5/46

All: 21.395+/-0.002 χ^2/NDF: 4954465.2/87



Right In: 219.771+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -243.656+/-135.153 χ^2/NDF: 13.8/21

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

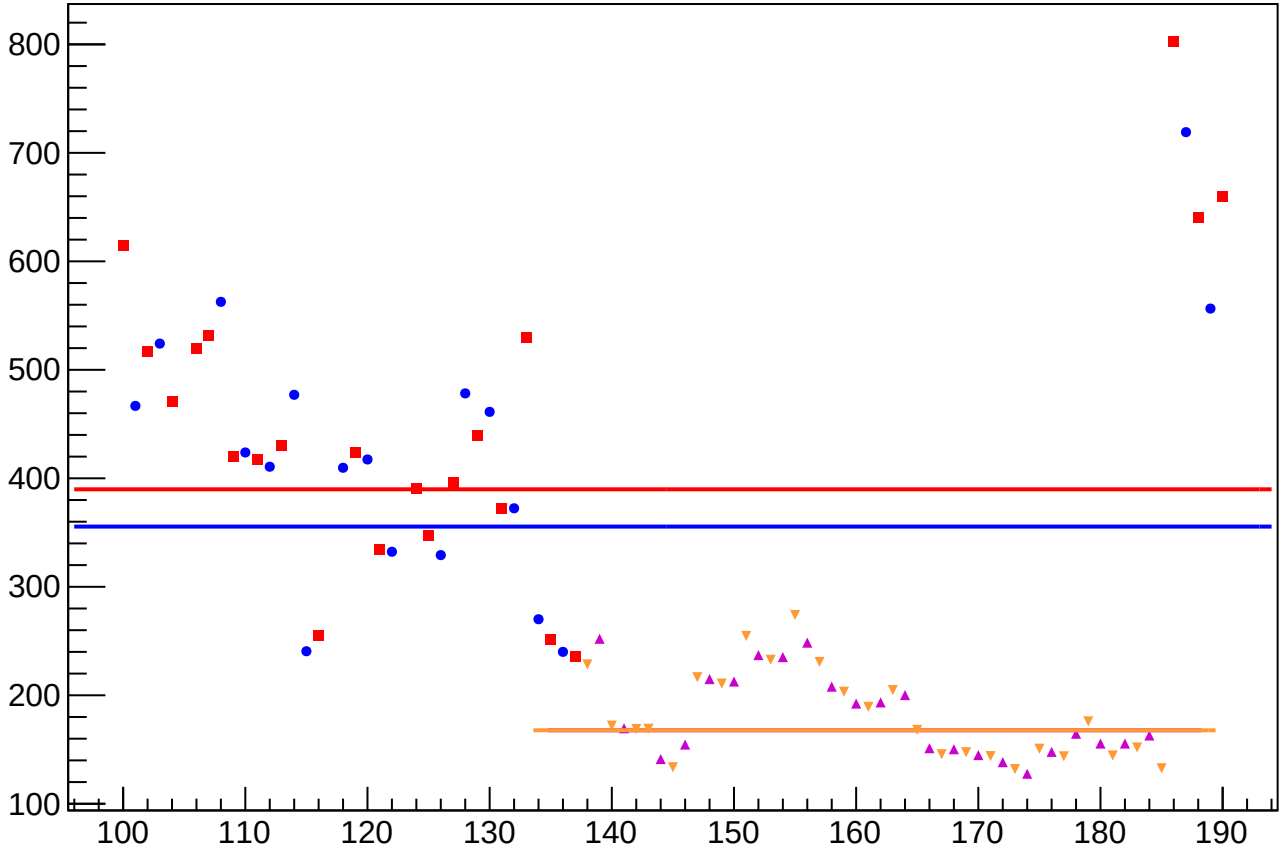
Right: -7.237+/-94.593 χ^2/NDF: 39.6/39

In: -4.096+/-38.353 χ^2/NDF:49.9/40

Out: 142.461+/-37.515 χ^2/NDF:93.8/46

All: 70.802+/-26.818 χ^2/NDF: 151.2/87

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 355.505+/-0.094 χ^2/NDF: 1297760.0/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 389.859+/-0.096 χ^2/NDF: 1576942.5/21

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

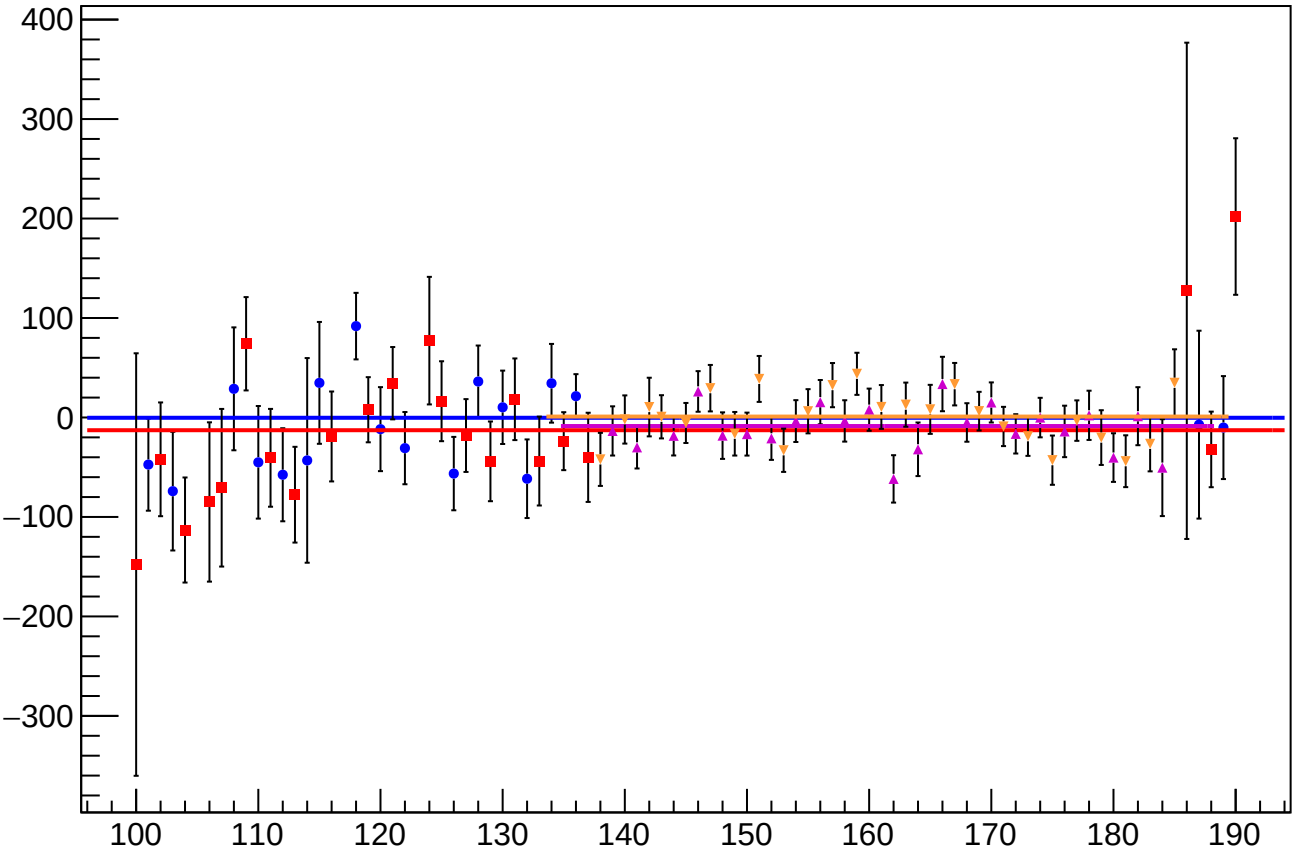
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 372.333+/-0.067 χ^2/NDF: 2940626.9/39

In: 183.495+/-0.027 χ^2/NDF:6383570.4/40

Out: 184.867+/-0.027 χ^2/NDF:8140271.7/46

All: 184.196+/-0.019 χ^2/NDF: 14525149.8/87



Right In: -0.293+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -12.806+/-9.828 χ^2/NDF: 26.0/21

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

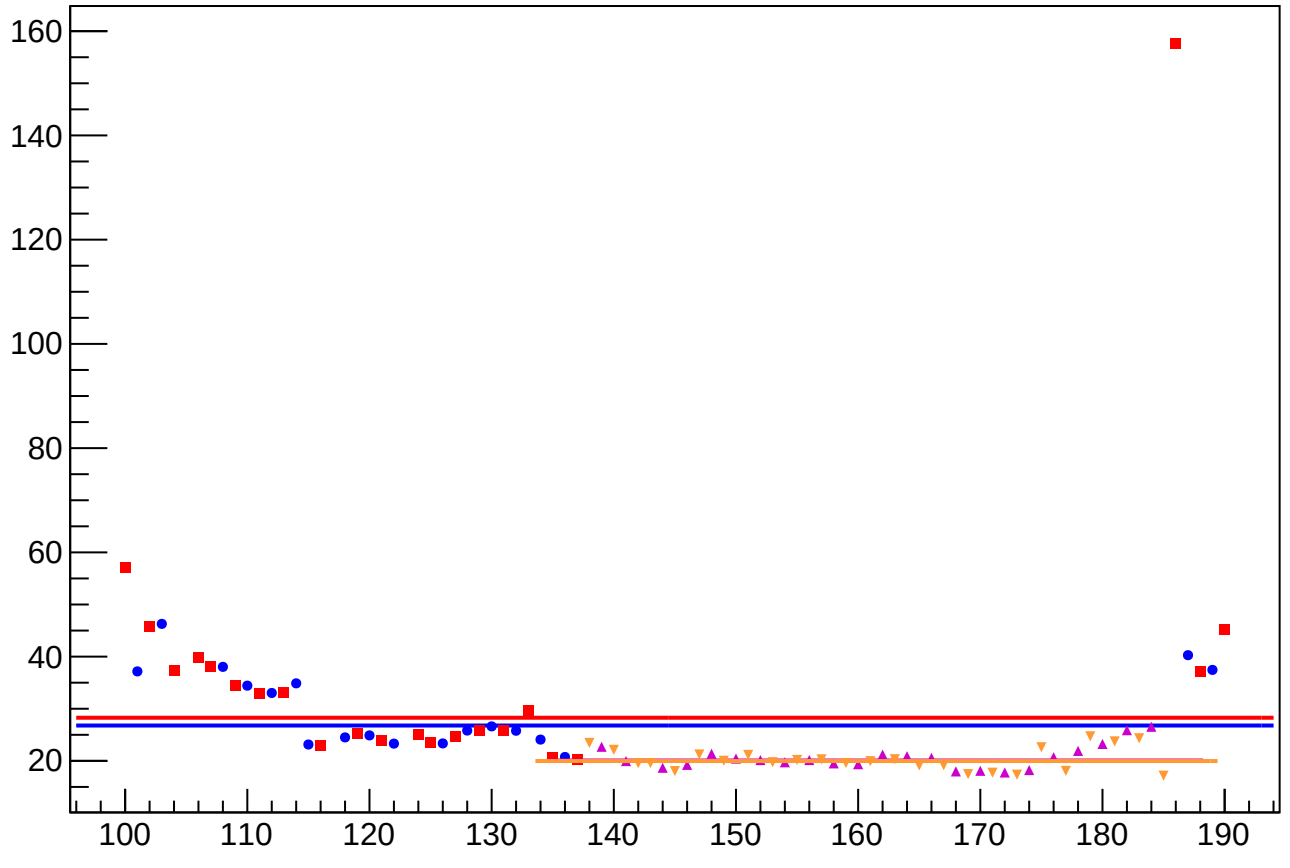
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -6.539+/-6.943 χ^2/NDF: 48.2/39

In: -7.037+/-4.256 χ^2/NDF:41.3/40

Out: -1.528+/-4.147 χ^2/NDF:56.8/46

All: -4.211+/-2.970 χ^2/NDF: 99.0/87



Right In: 26.782+/-0.007 χ^2/NDF: 808042.2/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.275+/-0.007 χ^2/NDF: 1508641.3/21

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

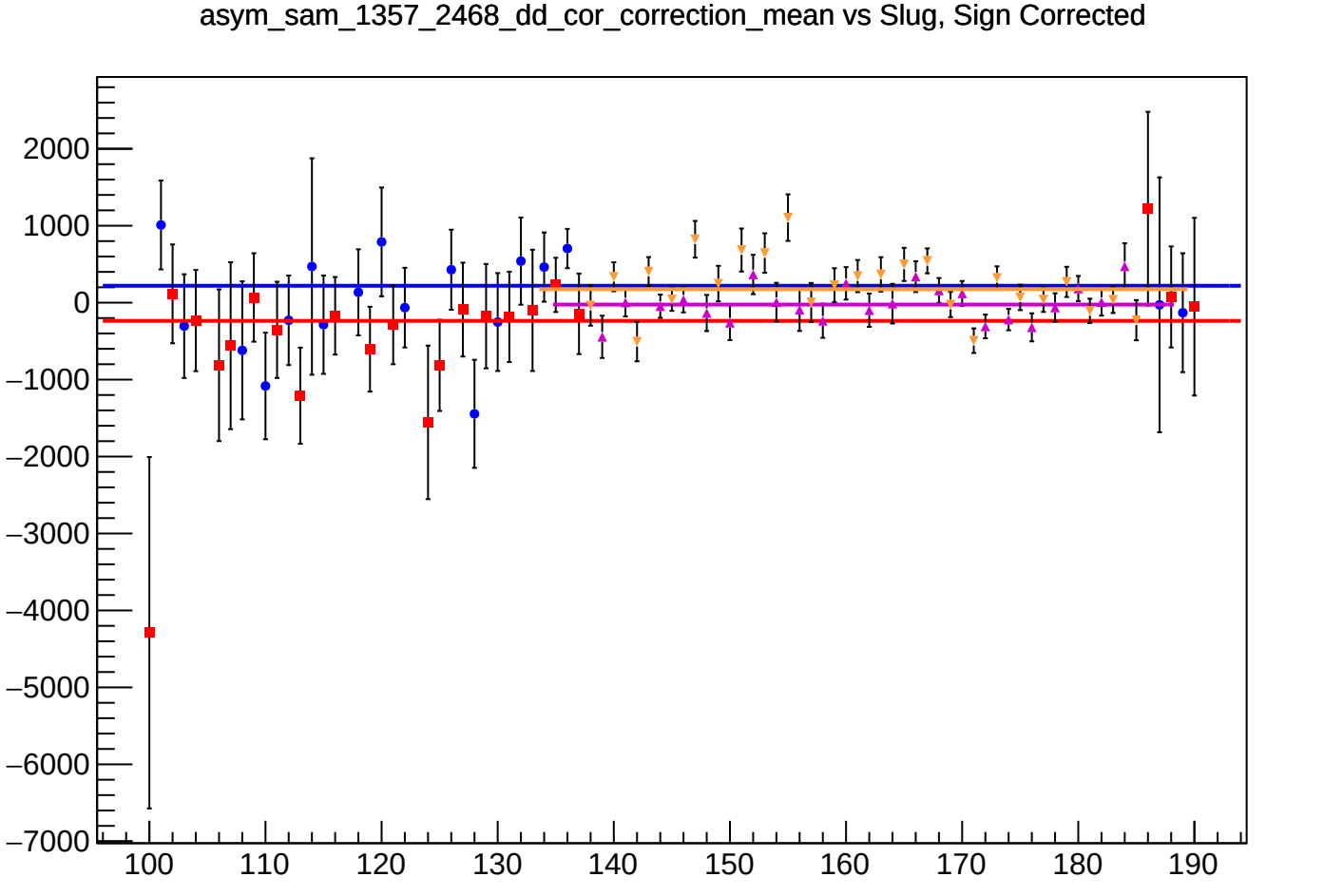
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 27.527+/-0.005 χ^2/NDF: 2339805.8/39

In: 21.335+/-0.003 χ^2/NDF:1869231.7/40

Out: 21.448+/-0.003 χ^2/NDF:3069797.8/46

All: 21.393+/-0.002 χ^2/NDF: 4939743.6/87



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -236.439+/-135.349 χ^2/NDF: 13.3/21

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

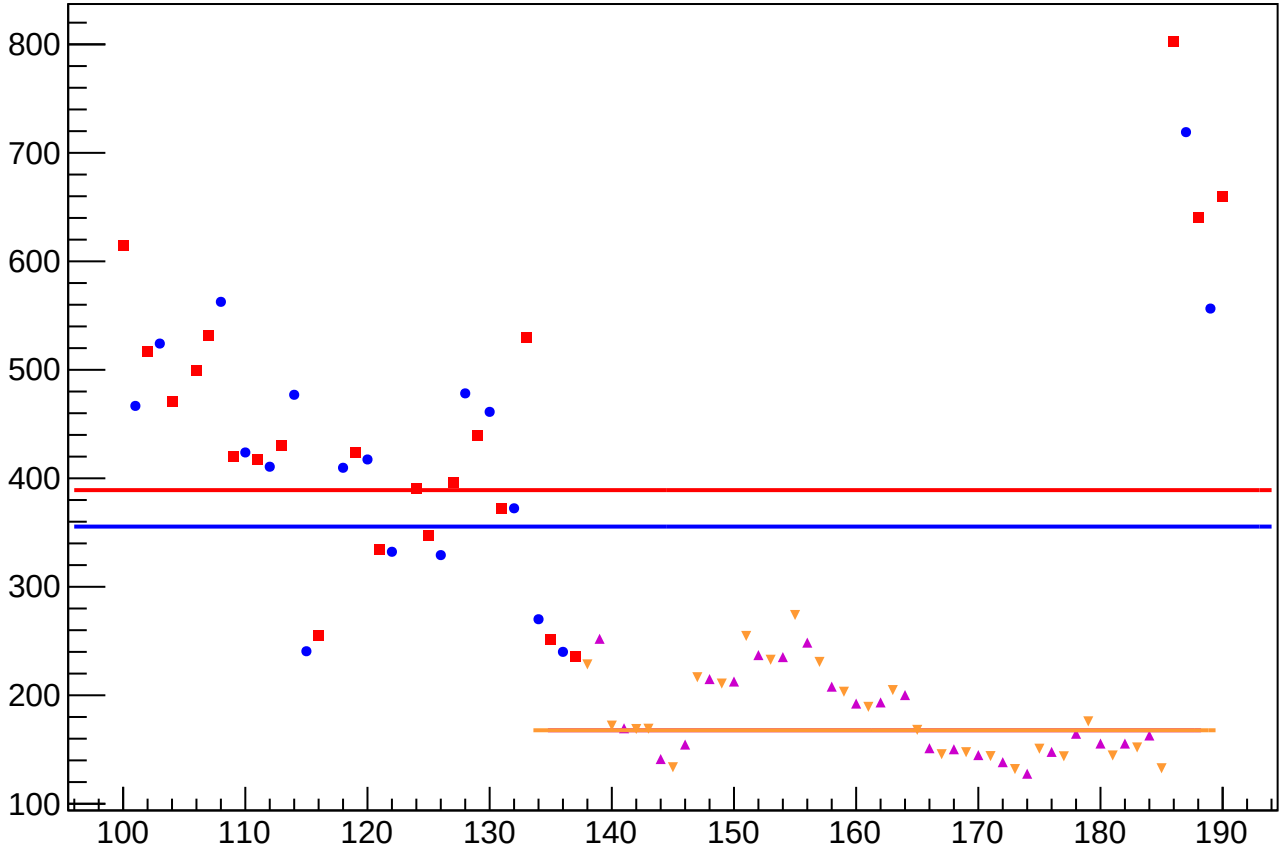
Right: -3.376+/-94.660 χ^2/NDF: 39.0/39

In: -4.097+/-38.353 χ^2/NDF:49.9/40

Out: 143.100+/-37.519 χ^2/NDF:93.0/46

All: 71.120+/-26.820 χ^2/NDF: 150.4/87

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 389.110+/-0.096 χ^2/NDF: 1561802.0/21

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

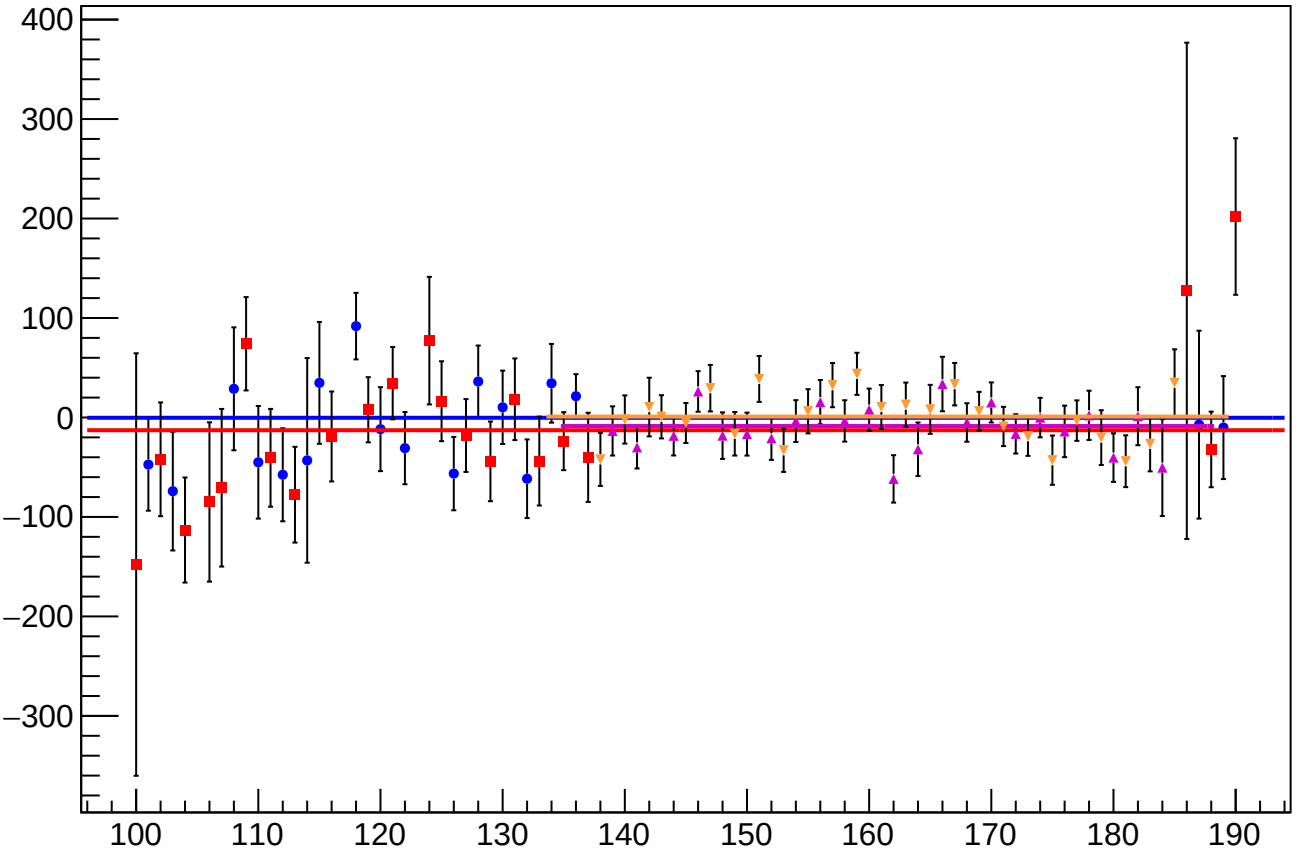
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 371.942+/-0.067 χ^2/NDF: 2922576.7/39

In: 183.495+/-0.027 χ^2/NDF:6383585.6/40

Out: 184.763+/-0.027 χ^2/NDF:8078348.3/46

All: 184.143+/-0.019 χ^2/NDF: 14463052.0/87



Right In: -0.293+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -12.806+/-9.828 χ^2/NDF: 26.0/21

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

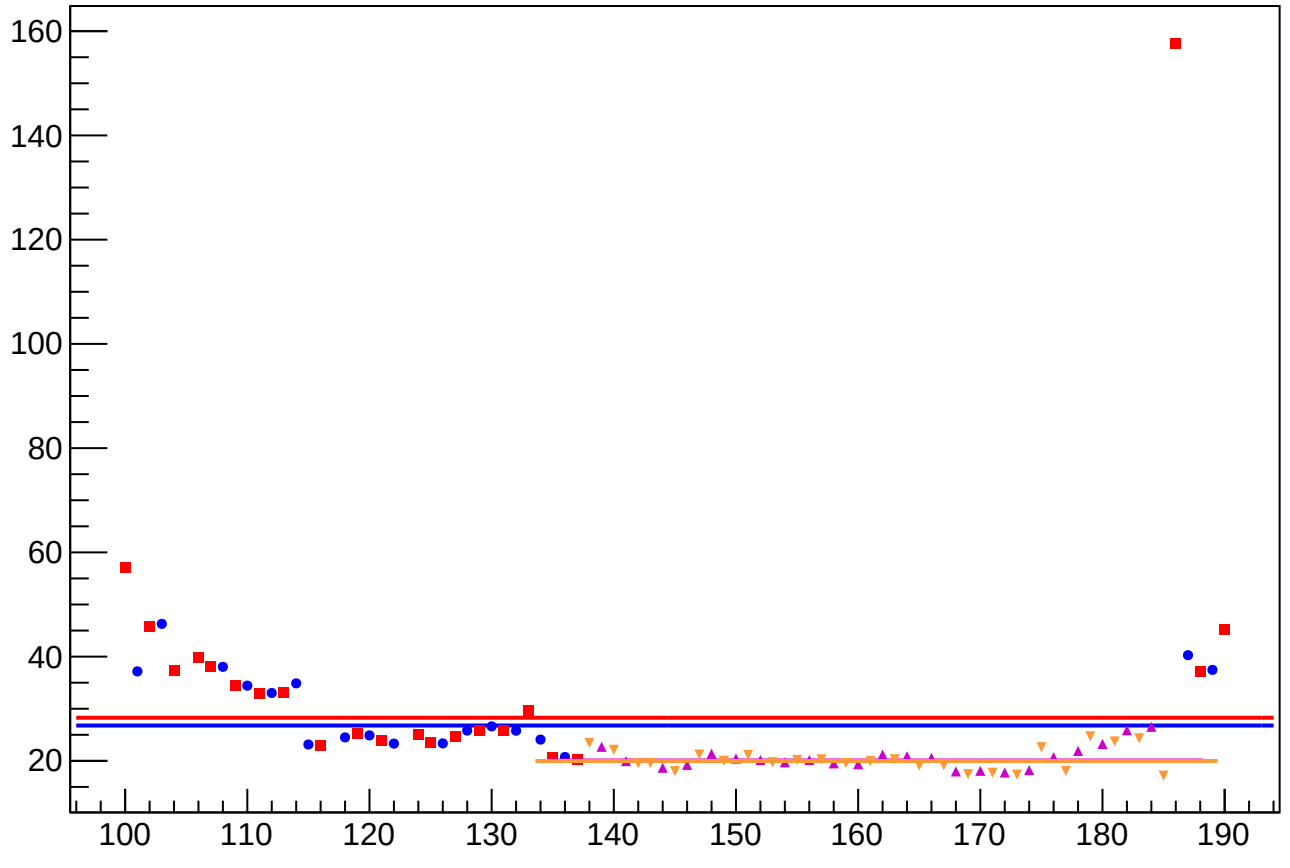
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -6.539+/-6.943 χ^2/NDF: 48.2/39

In: -7.037+/-4.256 χ^2/NDF:41.3/40

Out: -1.528+/-4.147 χ^2/NDF:56.8/46

All: -4.211+/-2.970 χ^2/NDF: 99.0/87



Right In: 26.782+/-0.007 χ^2/NDF: 808042.2/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.275+/-0.007 χ^2/NDF: 1508641.3/21

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

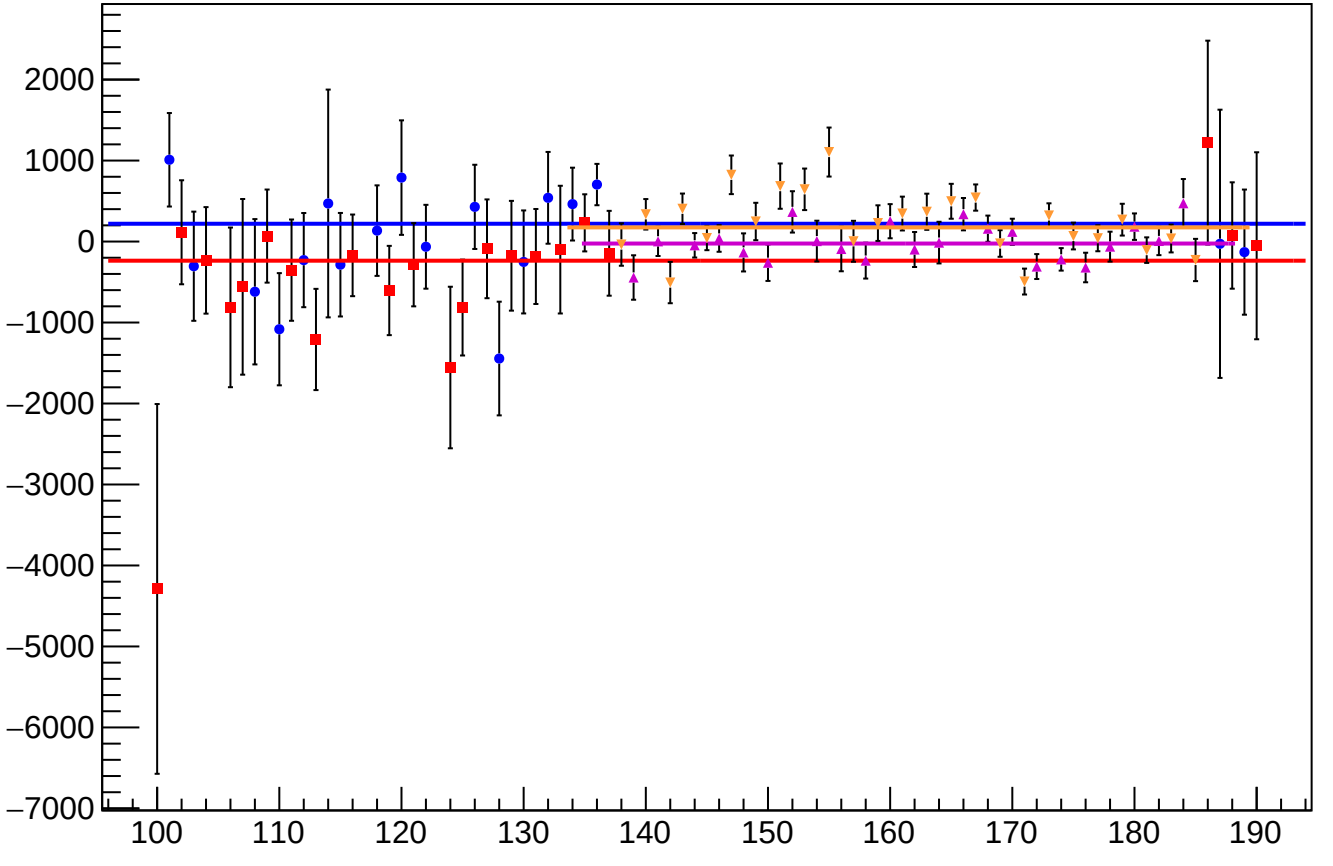
Right: 27.527+/-0.005 χ^2/NDF: 2339805.8/39

In: 21.335+/-0.003 χ^2/NDF:1869231.7/40

Out: 21.448+/-0.003 χ^2/NDF:3069797.8/46

All: 21.393+/-0.002 χ^2/NDF: 4939743.6/87

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -236.439+/-135.349 χ^2/NDF: 13.3/21

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

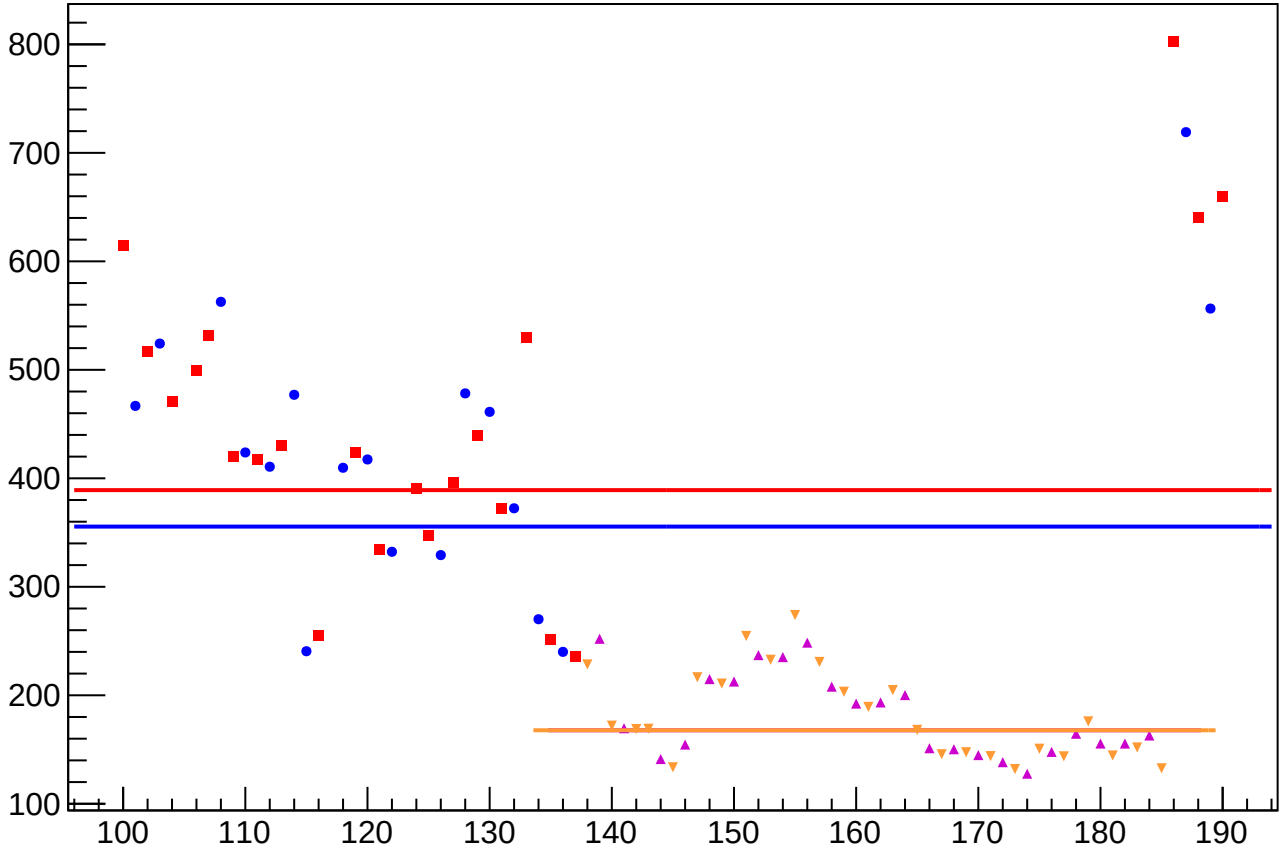
Right: -3.376+/-94.660 χ^2/NDF: 39.0/39

In: -4.097+/-38.353 χ^2/NDF:49.9/40

Out: 143.100+/-37.519 χ^2/NDF:93.0/46

All: 71.120+/-26.820 χ^2/NDF: 150.4/87

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 389.110+/-0.096 χ^2/NDF: 1561802.0/21

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

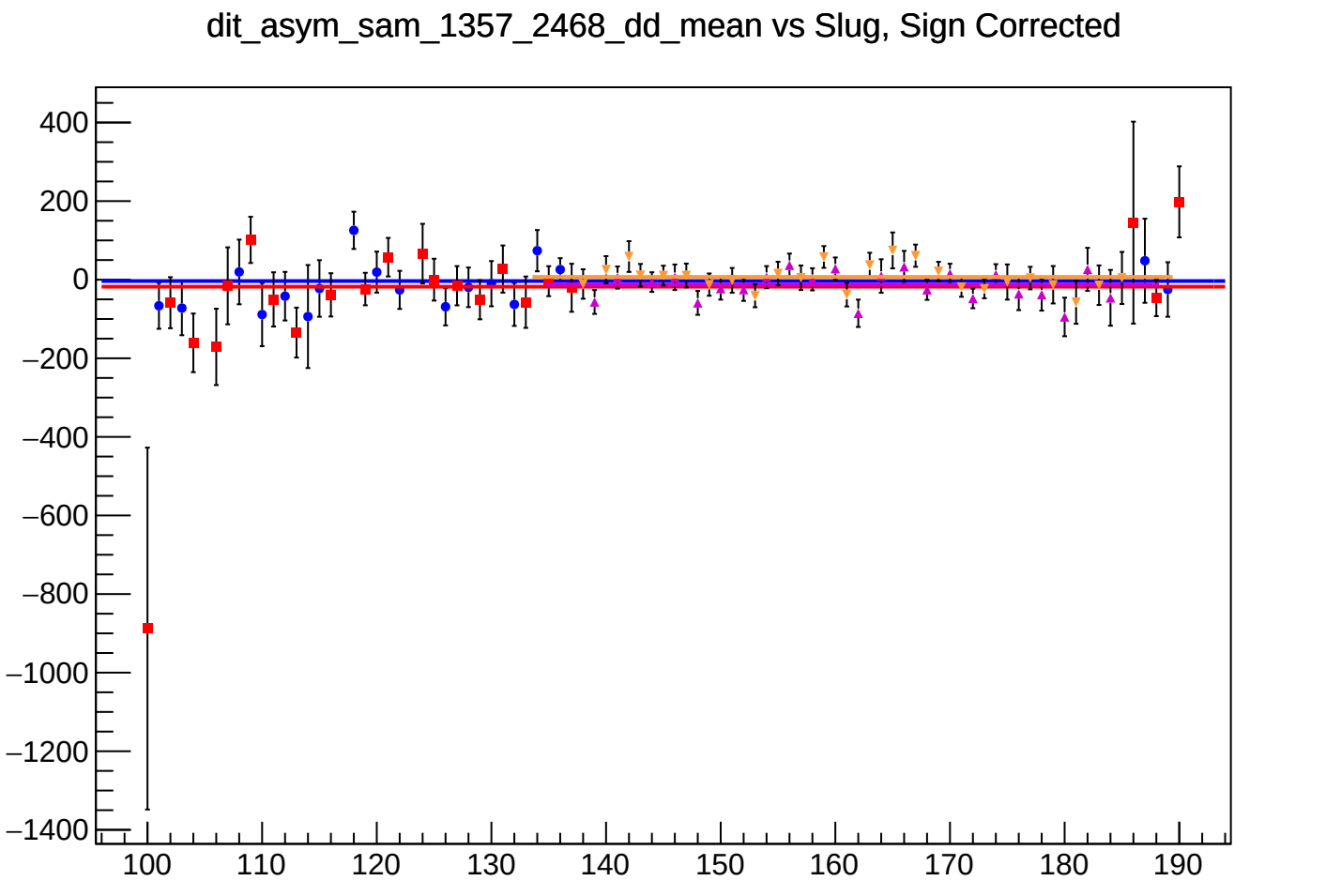
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 371.942+/-0.067 χ^2/NDF: 2922576.7/39

In: 183.495+/-0.027 χ^2/NDF:6383585.6/40

Out: 184.763+/-0.027 χ^2/NDF:8078348.3/46

All: 184.143+/-0.019 χ^2/NDF: 14463052.0/87



Right In: -3.415+/-13.052 χ^2/NDF: 18.8/17

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -17.754+/-12.792 χ^2/NDF: 29.7/21

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

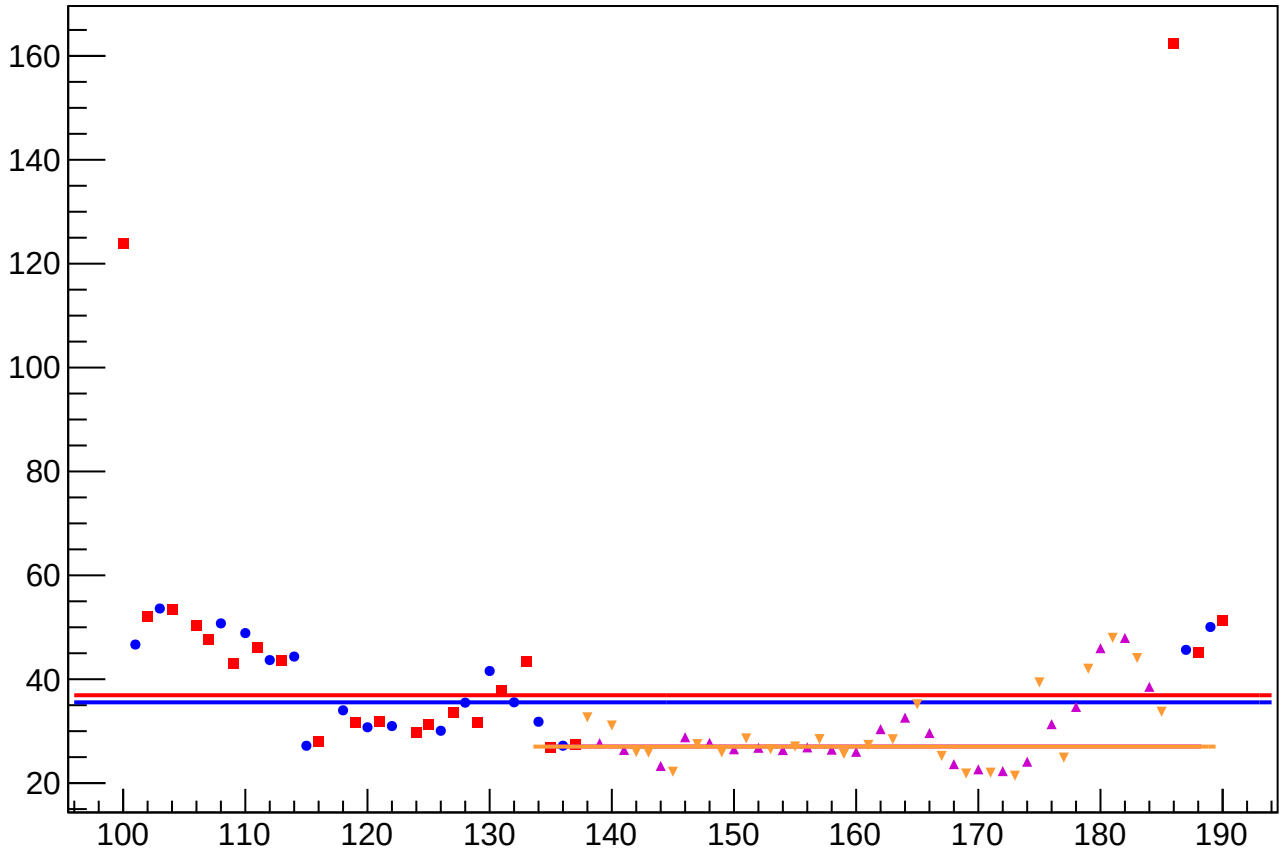
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -10.729+/-9.136 χ^2/NDF: 49.1/39

In: -10.846+/-5.828 χ^2/NDF:44.8/40

Out: 2.190+/-5.676 χ^2/NDF:55.4/46

All: -4.155+/-4.066 χ^2/NDF: 102.8/87



Right In: 35.549+/-0.009 χ^2/NDF: 768857.4/17

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 36.915+/-0.009 χ^2/NDF: 1391013.4/21

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

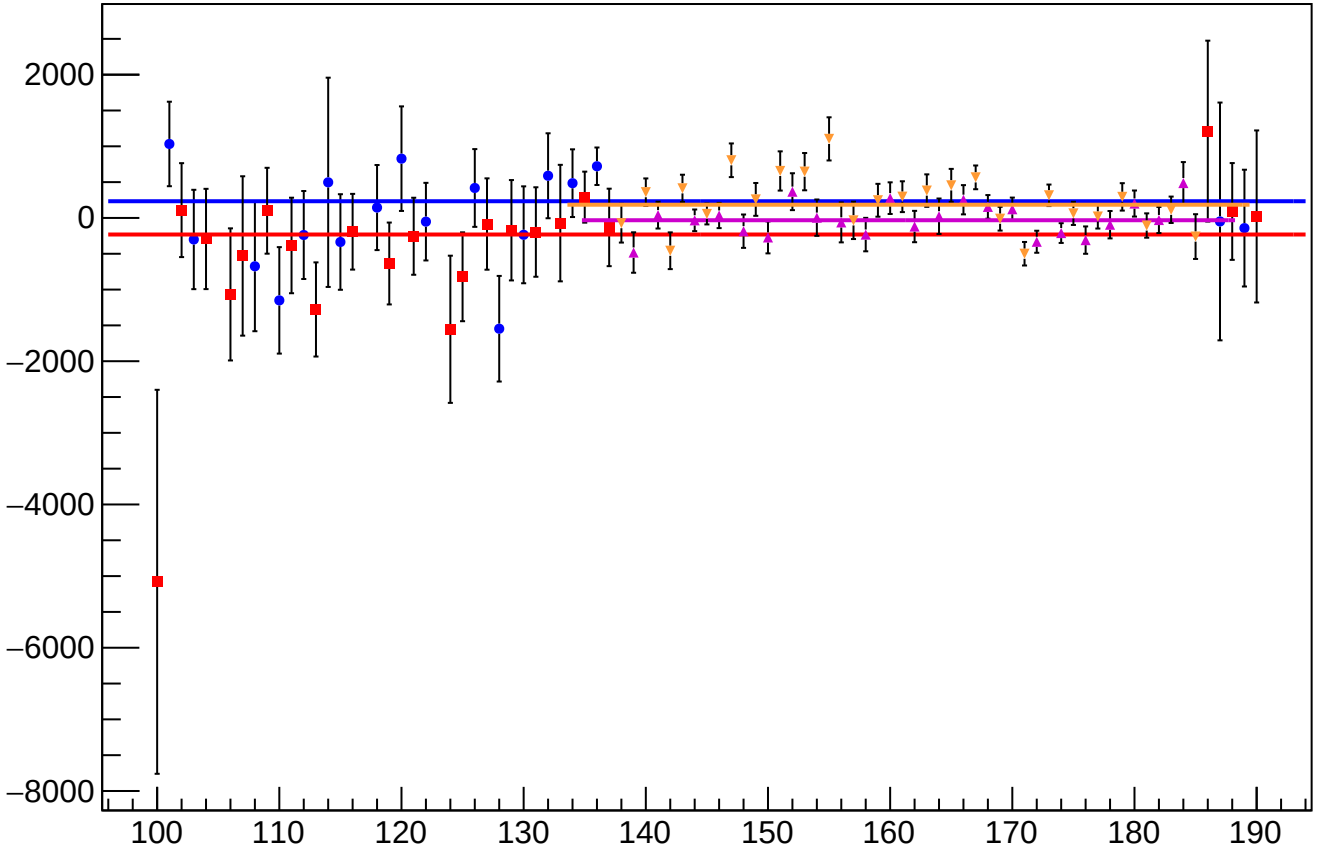
Right: 36.246+/-0.006 χ^2/NDF: 2171039.0/39

In: 28.746+/-0.004 χ^2/NDF:2491907.3/40

Out: 28.973+/-0.004 χ^2/NDF:3781453.0/46

All: 28.863+/-0.003 χ^2/NDF: 6274913.7/87

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 233.378+/-137.766 χ^2/NDF: 20.0/17

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -231.238+/-140.192 χ^2/NDF: 14.3/21

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

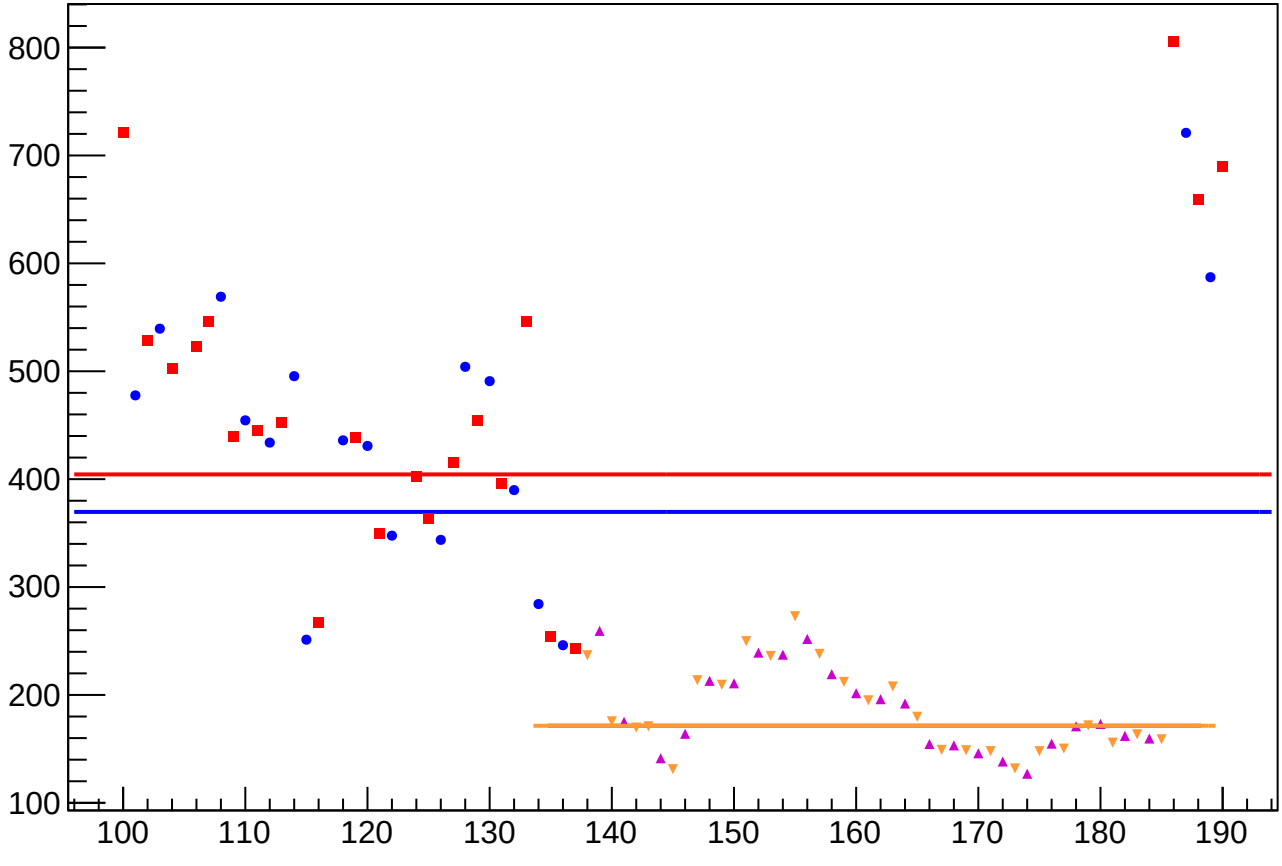
Right: 5.126+/-98.262 χ^2/NDF: 39.9/39

In: -10.332+/-39.275 χ^2/NDF:49.8/40

Out: 153.608+/-38.315 χ^2/NDF:90.1/46

All: 73.664+/-27.426 χ^2/NDF: 148.8/87

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 369.644+/-0.097 χ^2/NDF: 1332936.5/17

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 404.403+/-0.099 χ^2/NDF: 1605149.7/21

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

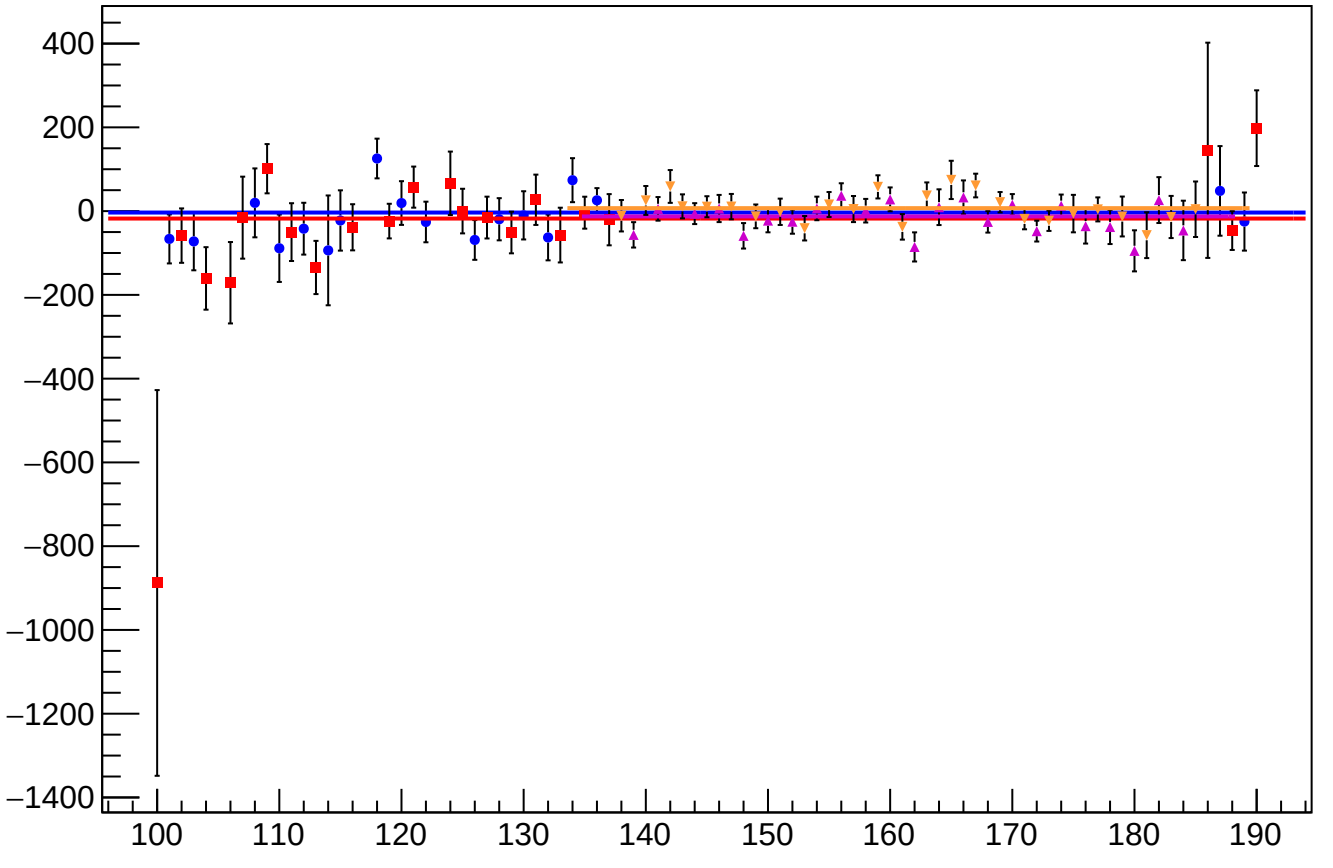
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 386.720+/-0.069 χ^2/NDF: 3000633.2/39

In: 187.594+/-0.028 χ^2/NDF:6550071.3/40

Out: 188.829+/-0.027 χ^2/NDF:8242780.9/46

All: 188.227+/-0.019 χ^2/NDF: 14793865.4/87



Right In: -3.416+/-13.051 χ^2/NDF: 18.8/17

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -17.754+/-12.792 χ^2/NDF: 29.7/21

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

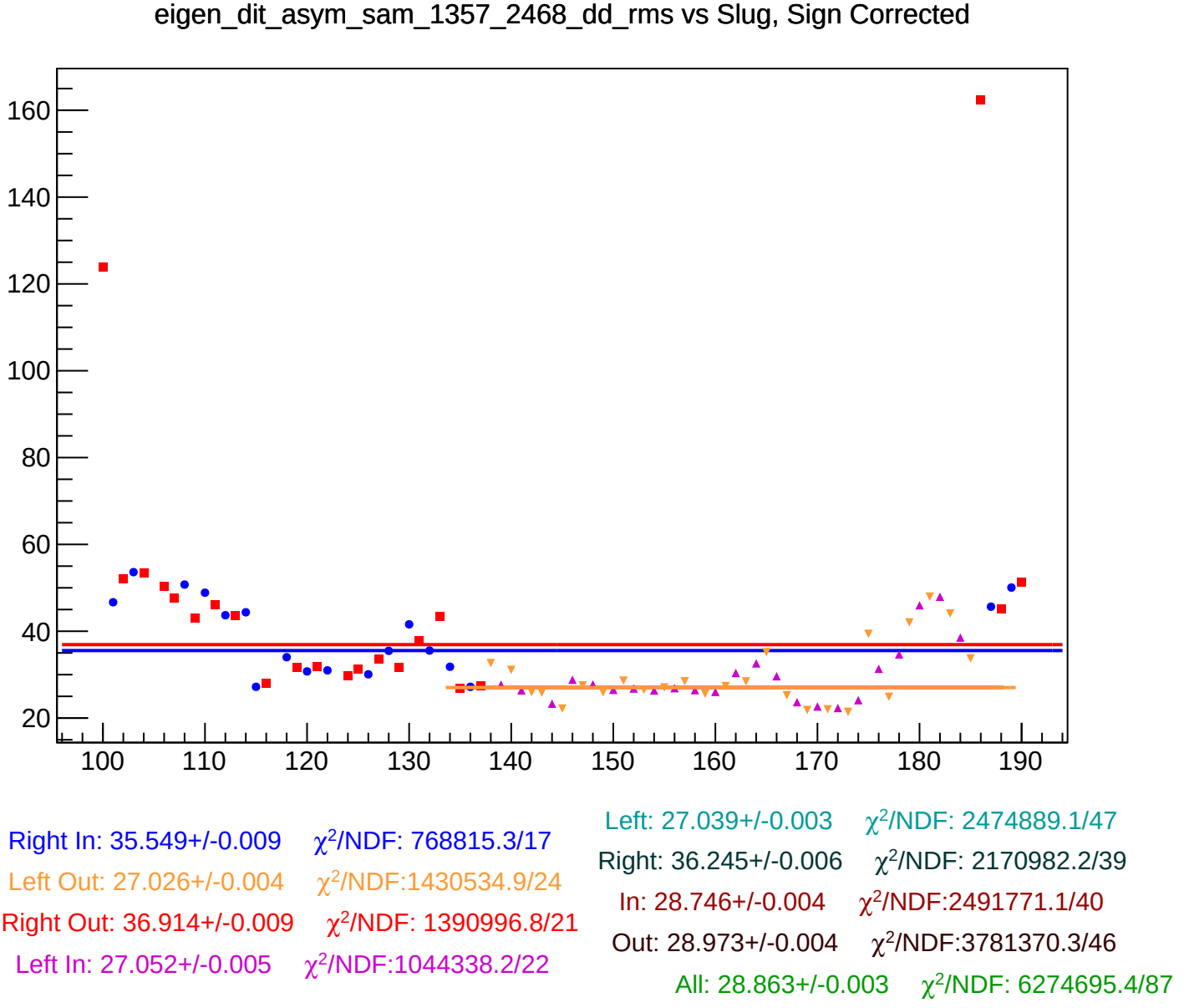
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -10.729+/-9.135 χ^2/NDF: 49.1/39

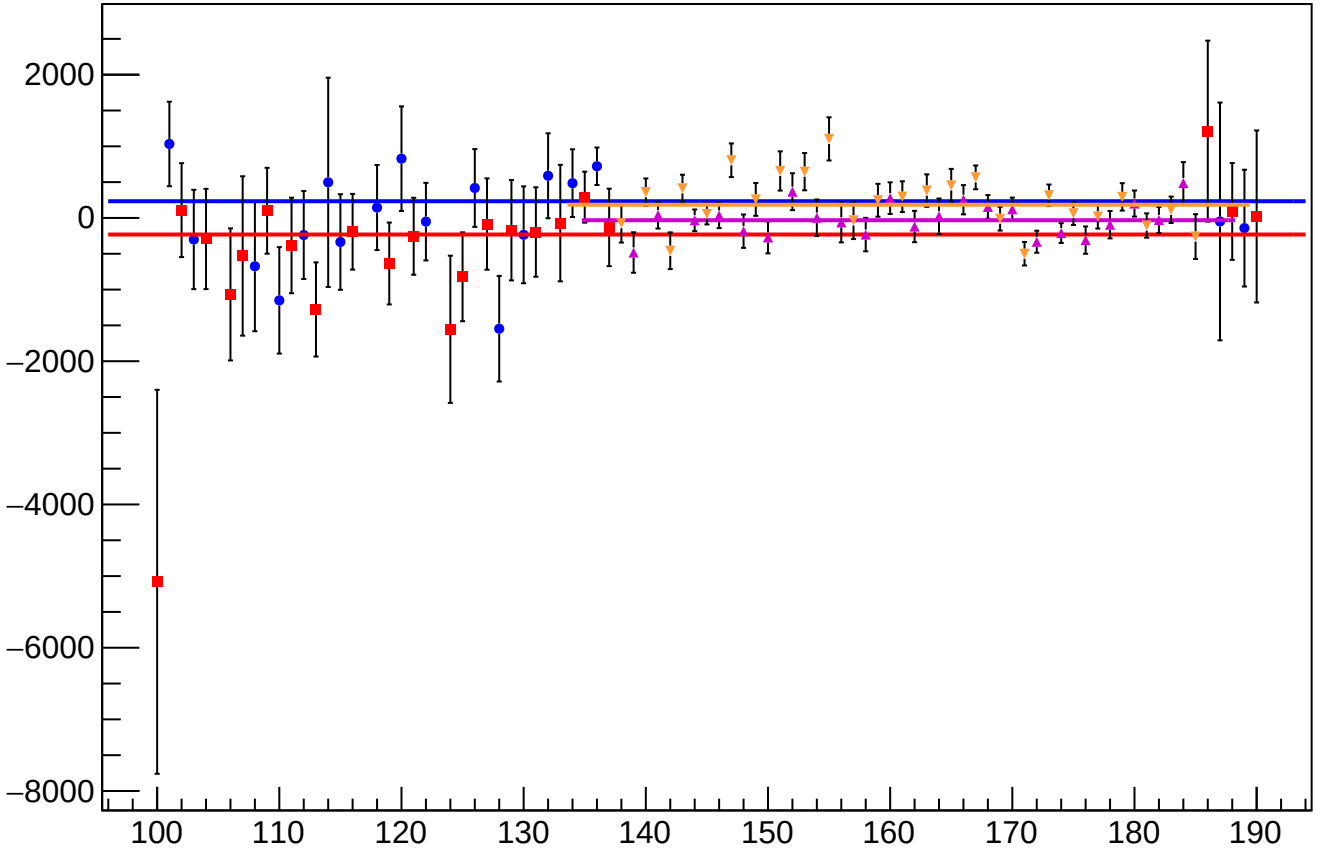
In: -10.846+/-5.828 χ^2/NDF:44.8/40

Out: 2.190+/-5.676 χ^2/NDF:55.4/46

All: -4.155+/-4.066 χ^2/NDF: 102.8/87


eigen_dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 35.549+/-0.009 χ²/NDF: 768815.3/17
Left Out: 27.026+/-0.004 χ²/NDF:1430534.9/24
Right Out: 36.914+/-0.009 χ²/NDF: 1390996.8/21
Left In: 27.052+/-0.005 χ²/NDF:1044338.2/22
Left: 27.039+/-0.003 χ²/NDF: 2474889.1/47
Right: 36.245+/-0.006 χ²/NDF: 2170982.2/39
In: 28.746+/-0.004 χ²/NDF:2491771.1/40
Out: 28.973+/-0.004 χ²/NDF:3781370.3/46
All: 28.863+/-0.003 χ²/NDF: 6274695.4/87

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 233.376+/-137.765 χ^2/NDF: 20.0/17

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -231.238+/-140.192 χ^2/NDF: 14.3/21

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

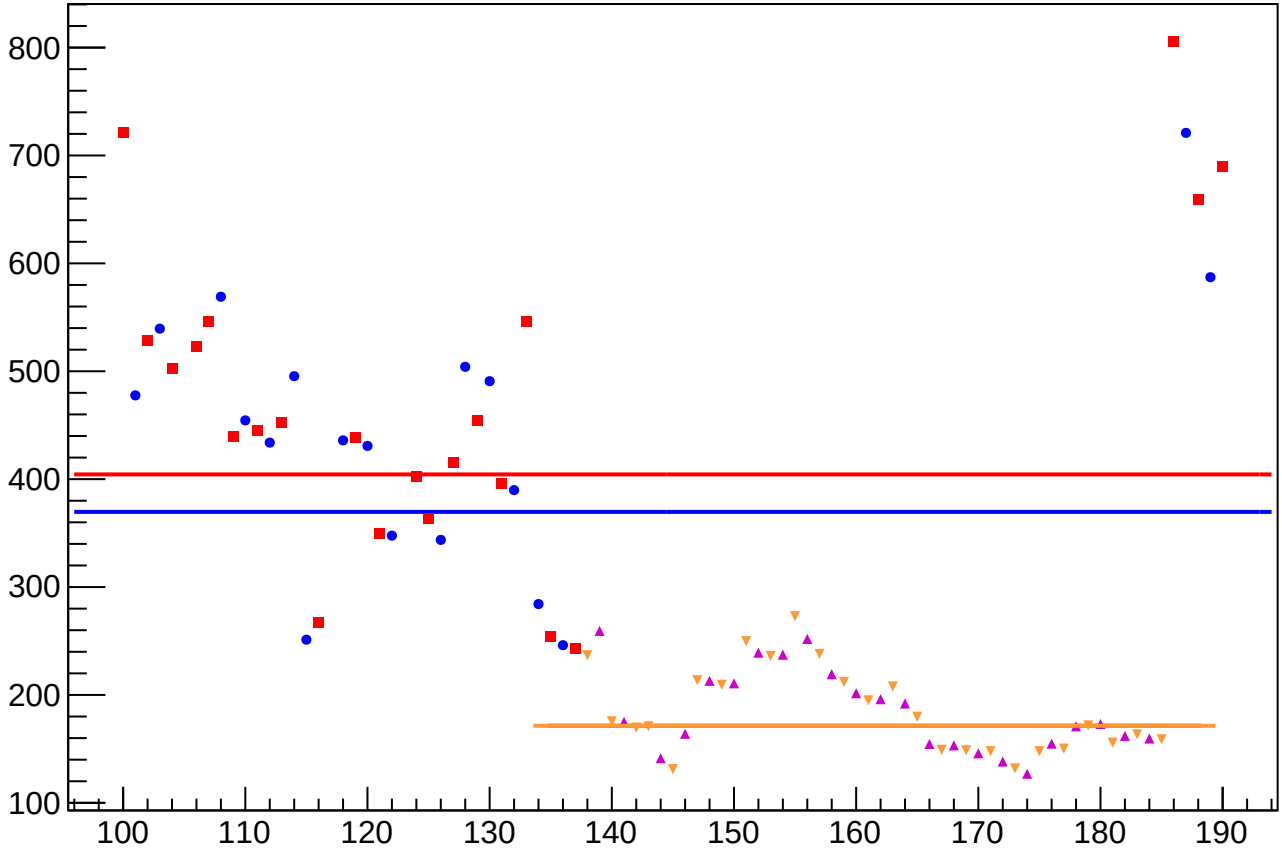
Right: 5.125+/-98.261 χ^2/NDF: 39.9/39

In: -10.332+/-39.274 χ^2/NDF:49.8/40

Out: 153.607+/-38.315 χ^2/NDF:90.1/46

All: 73.664+/-27.426 χ^2/NDF: 148.8/87

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 369.643+/-0.097 χ^2/NDF: 1332929.4/17

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 404.402+/-0.099 χ^2/NDF: 1605149.3/21

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

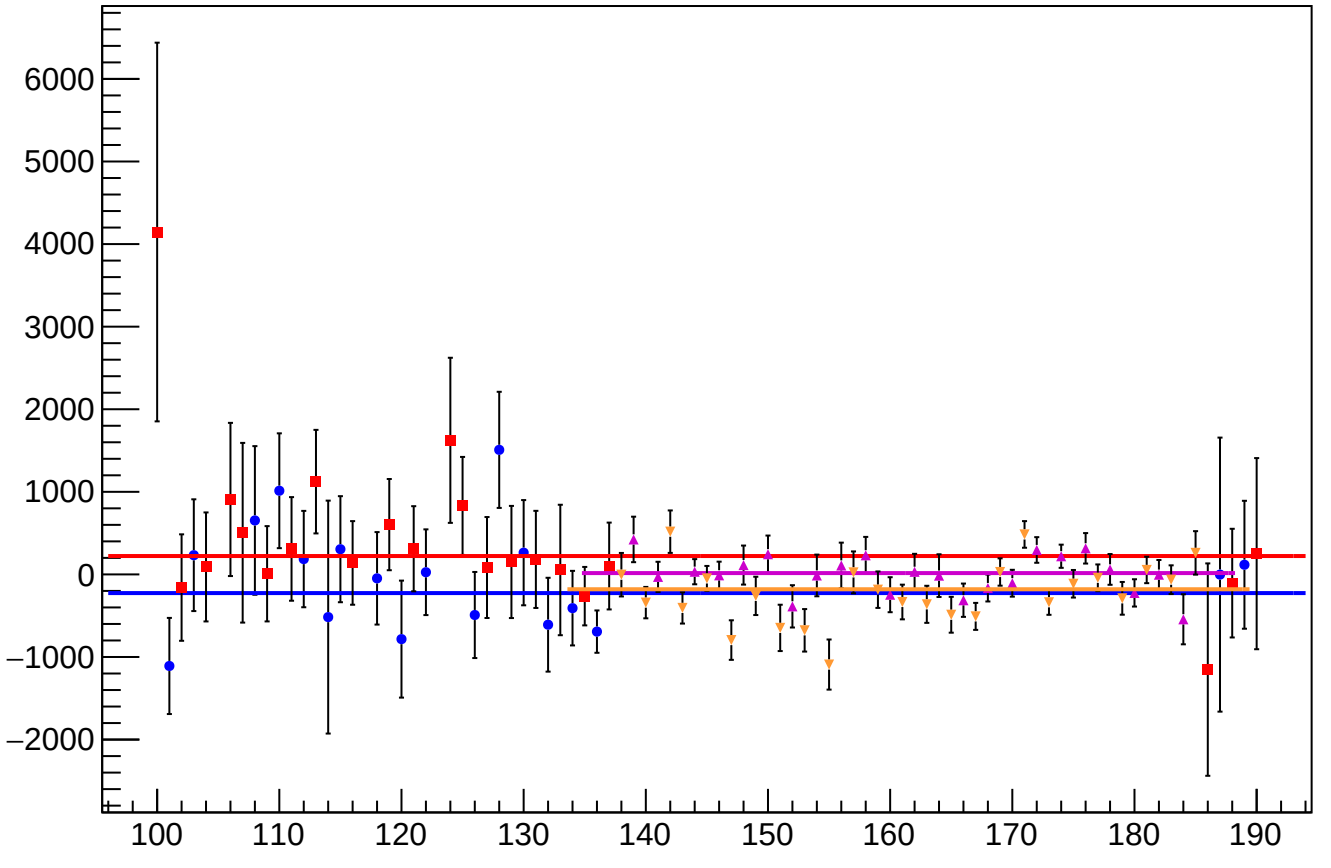
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 386.719+/-0.069 χ^2/NDF: 3000625.9/39

In: 187.594+/-0.028 χ^2/NDF:6550087.4/40

Out: 188.829+/-0.027 χ^2/NDF:8242805.1/46

All: 188.226+/-0.019 χ^2/NDF: 14793905.8/87



Right In: -226.085+/-132.900 χ^2/NDF: 20.2/17

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 222.527+/-135.605 χ^2/NDF: 13.1/21

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

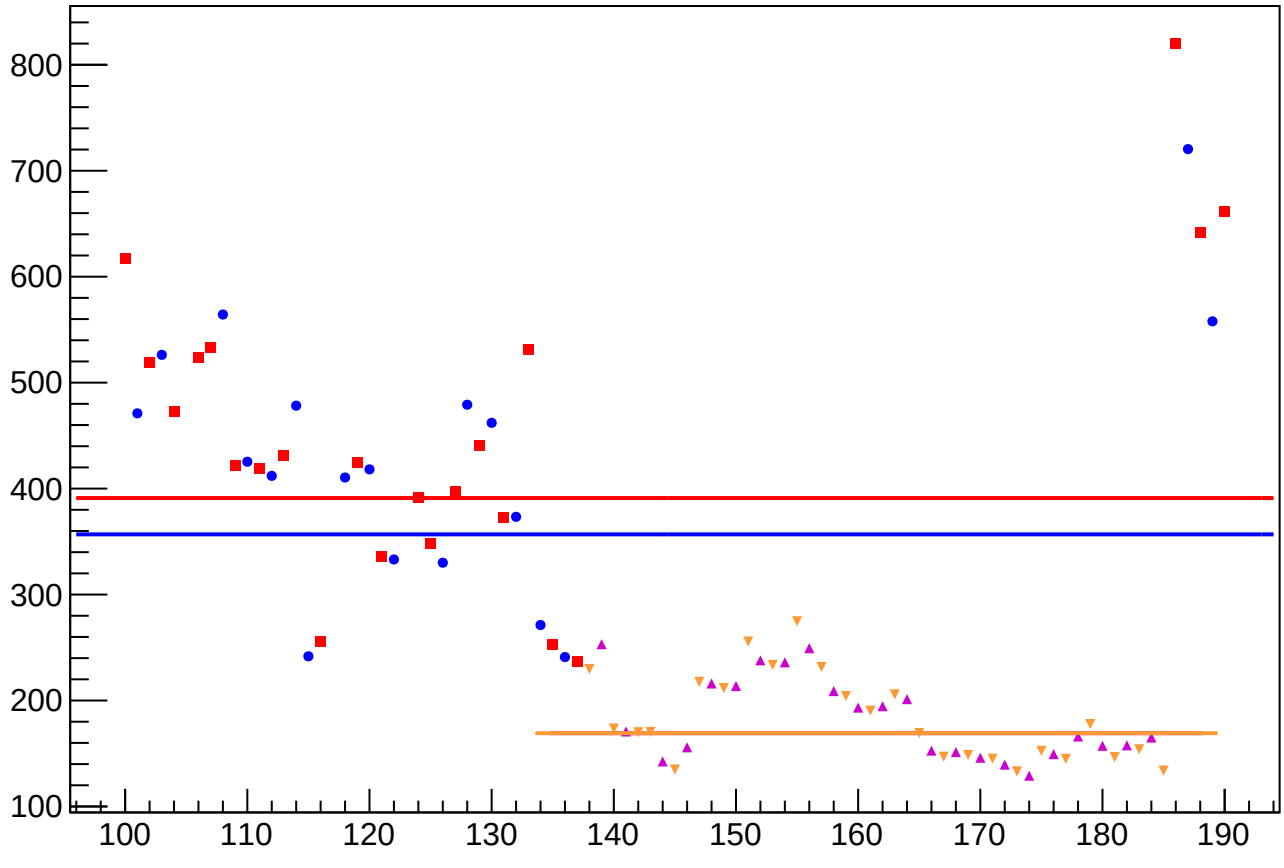
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -6.298+/-94.916 χ^2/NDF: 38.9/39

In: -4.423+/-38.650 χ^2/NDF:49.8/40

Out: -148.400+/-37.803 χ^2/NDF:88.4/46

All: -78.007+/-27.025 χ^2/NDF: 145.3/87



Right In: 356.812+/-0.094 χ^2/NDF: 1295655.8/17

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 391.087+/-0.096 χ^2/NDF: 1582051.3/21

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

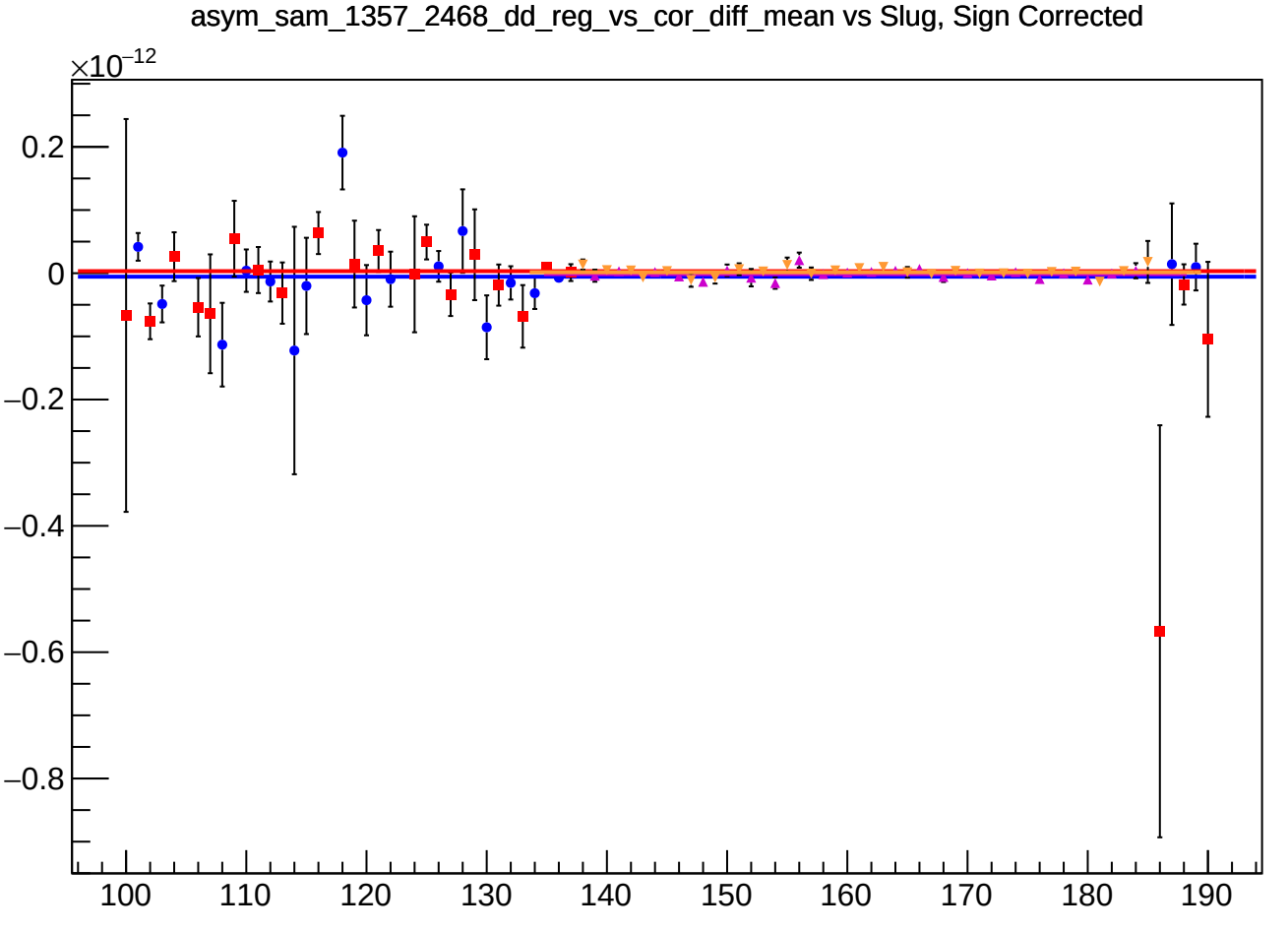
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 373.604+/-0.067 χ^2/NDF: 2942877.6/39

In: 185.056+/-0.027 χ^2/NDF:6319194.5/40

Out: 186.427+/-0.027 χ^2/NDF:8069253.7/46

All: 185.757+/-0.019 χ^2/NDF: 14389734.7/87



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/21

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

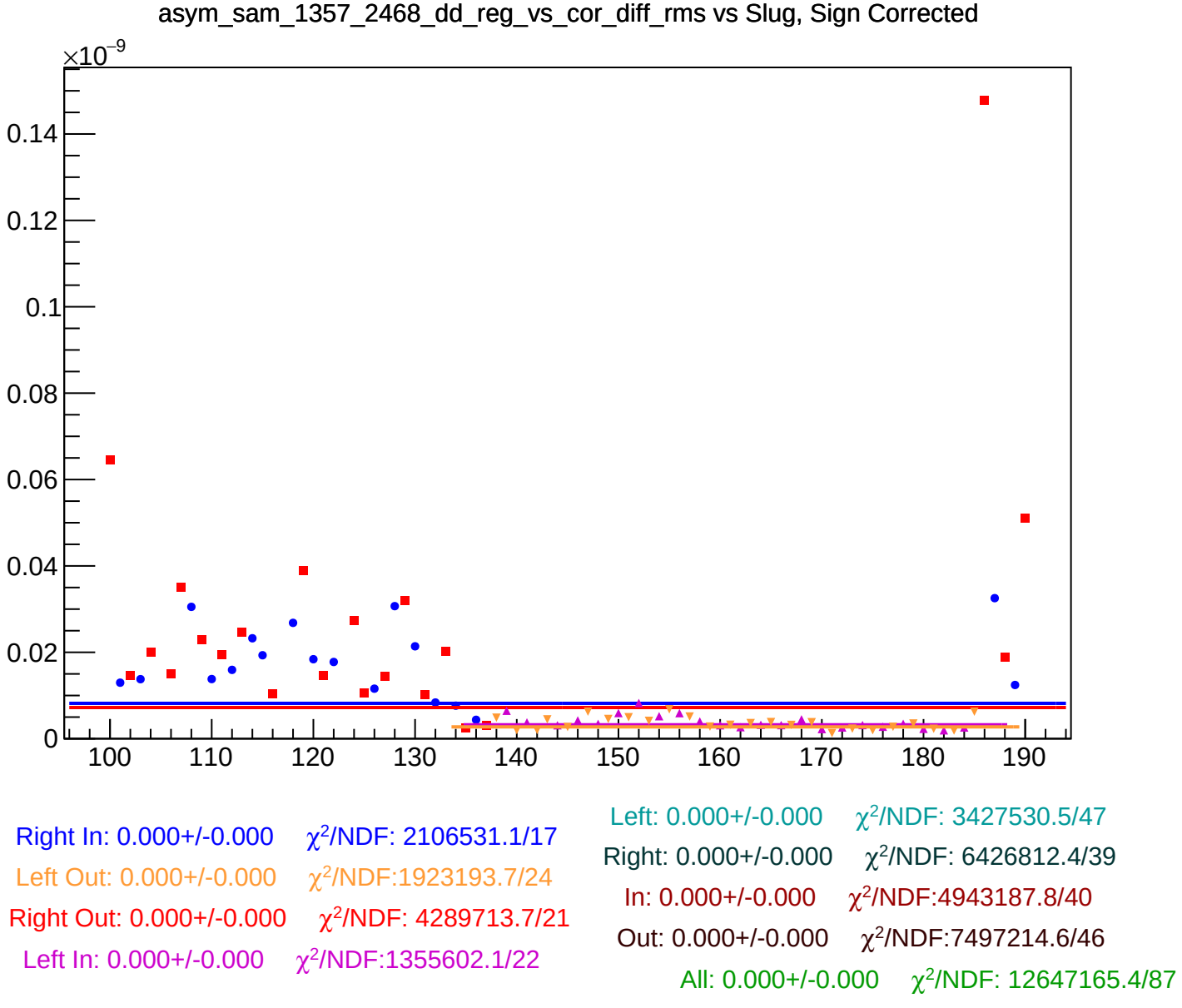
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

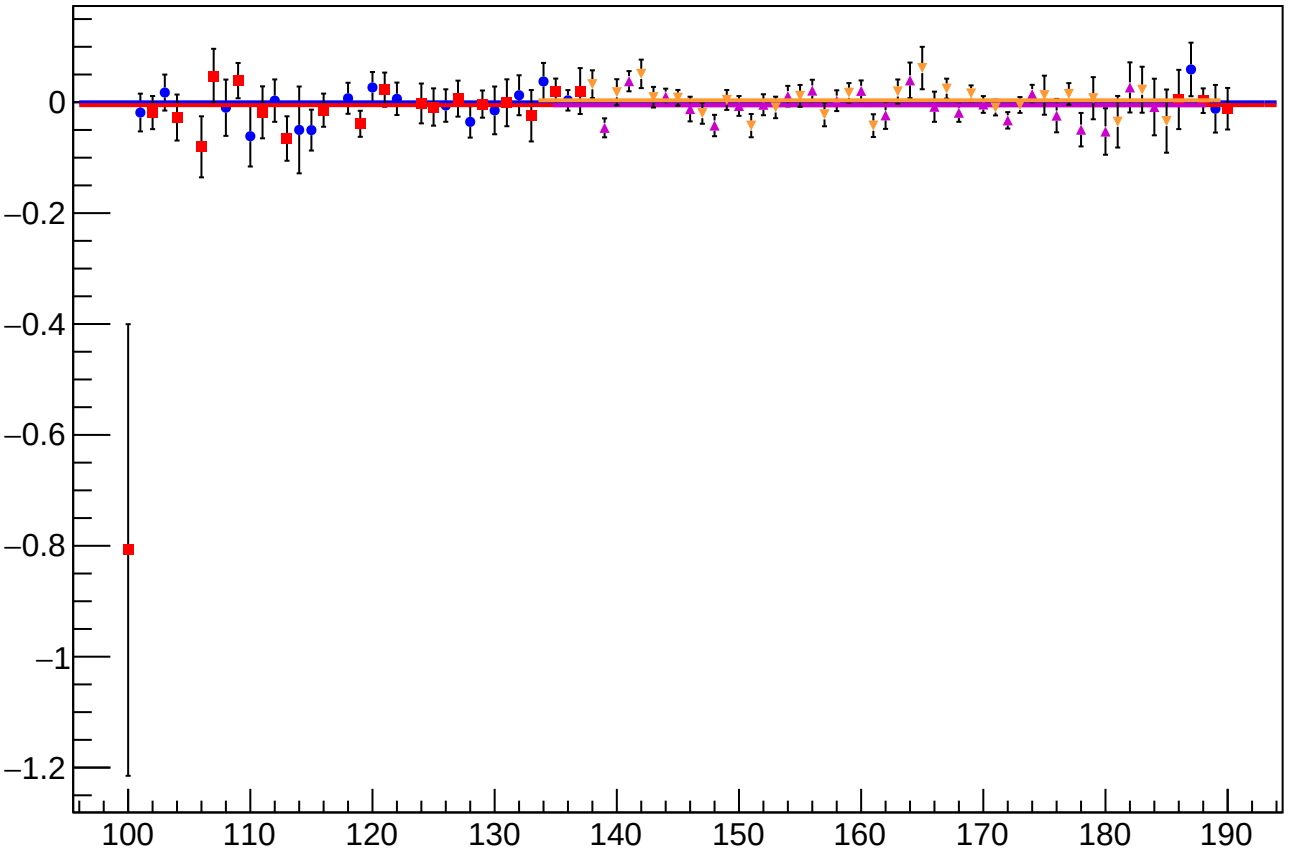
Right: -0.000+/-0.000 χ^2/NDF: 56.0/39

In: -0.000+/-0.000 χ^2/NDF:47.7/40

Out: 0.000+/-0.000 χ^2/NDF:46.2/46

All: 0.000+/-0.000 χ^2/NDF: 97.3/87


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2106531.1/17
Left Out: 0.000+/-0.000 χ²/NDF:1923193.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4289713.7/21
Left In: 0.000+/-0.000 χ²/NDF:1355602.1/22
Left: 0.000+/-0.000 χ²/NDF: 3427530.5/47
Right: 0.000+/-0.000 χ²/NDF: 6426812.4/39
In: 0.000+/-0.000 χ²/NDF:4943187.8/40
Out: 0.000+/-0.000 χ²/NDF:7497214.6/46
All: 0.000+/-0.000 χ²/NDF: 12647165.4/87



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/21

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

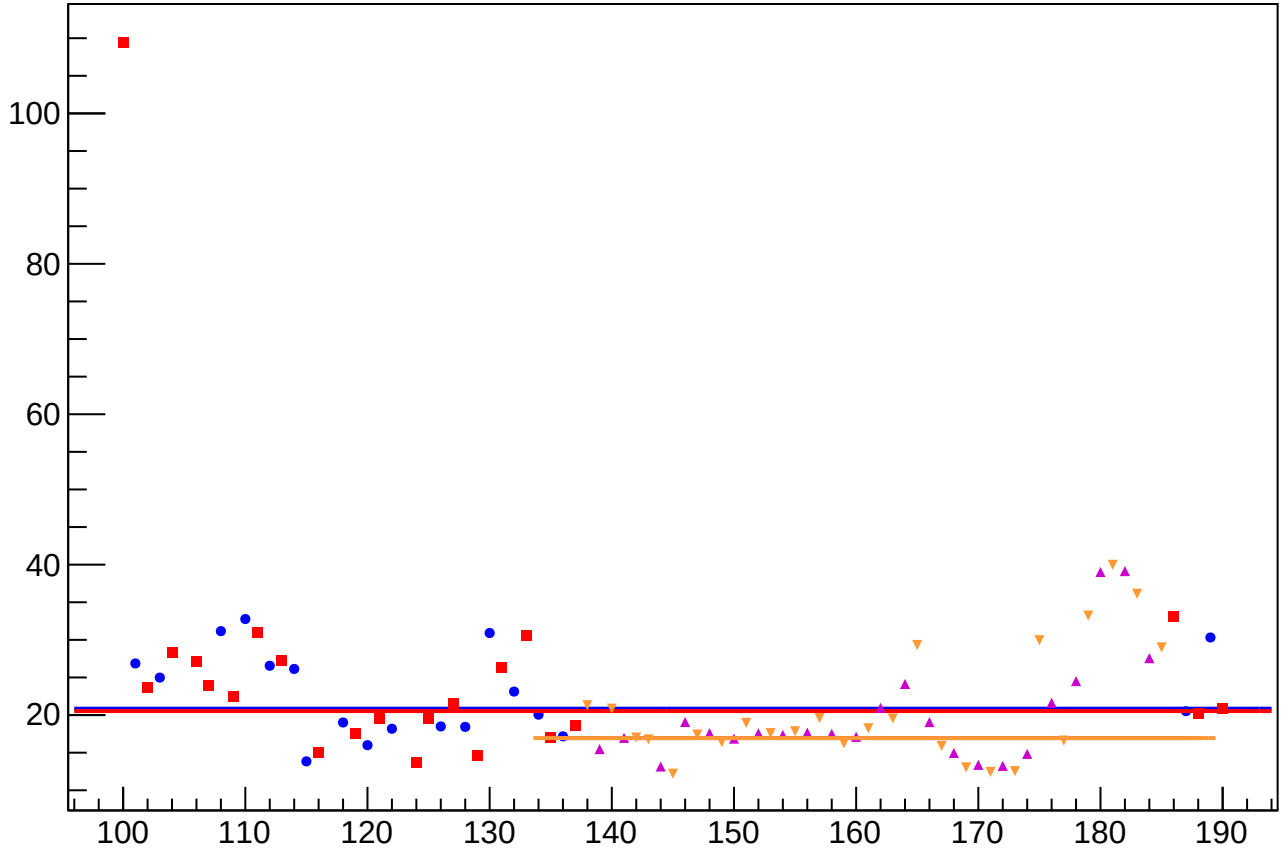
Right: -0.003+/-0.005 χ^2/NDF: 26.5/39

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.5/46

All: -0.001+/-0.003 χ^2/NDF: 89.2/87

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.533+/-0.005 χ^2/NDF: 977816.7/21

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

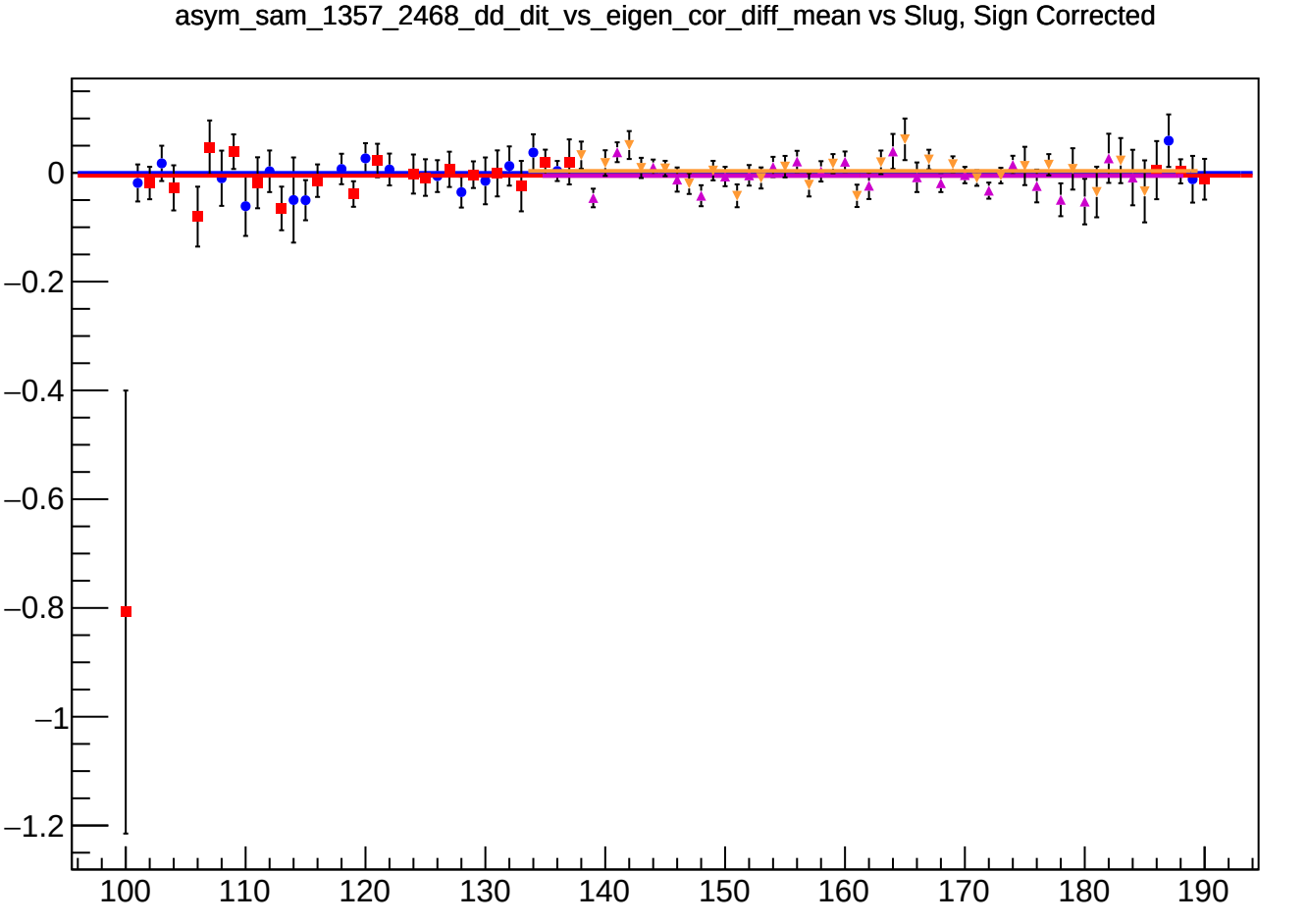
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.677+/-0.004 χ^2/NDF: 1786007.6/39

In: 17.814+/-0.003 χ^2/NDF:3135513.4/40

Out: 17.812+/-0.003 χ^2/NDF:4189921.0/46

All: 17.813+/-0.002 χ^2/NDF: 7325434.6/87



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/21

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

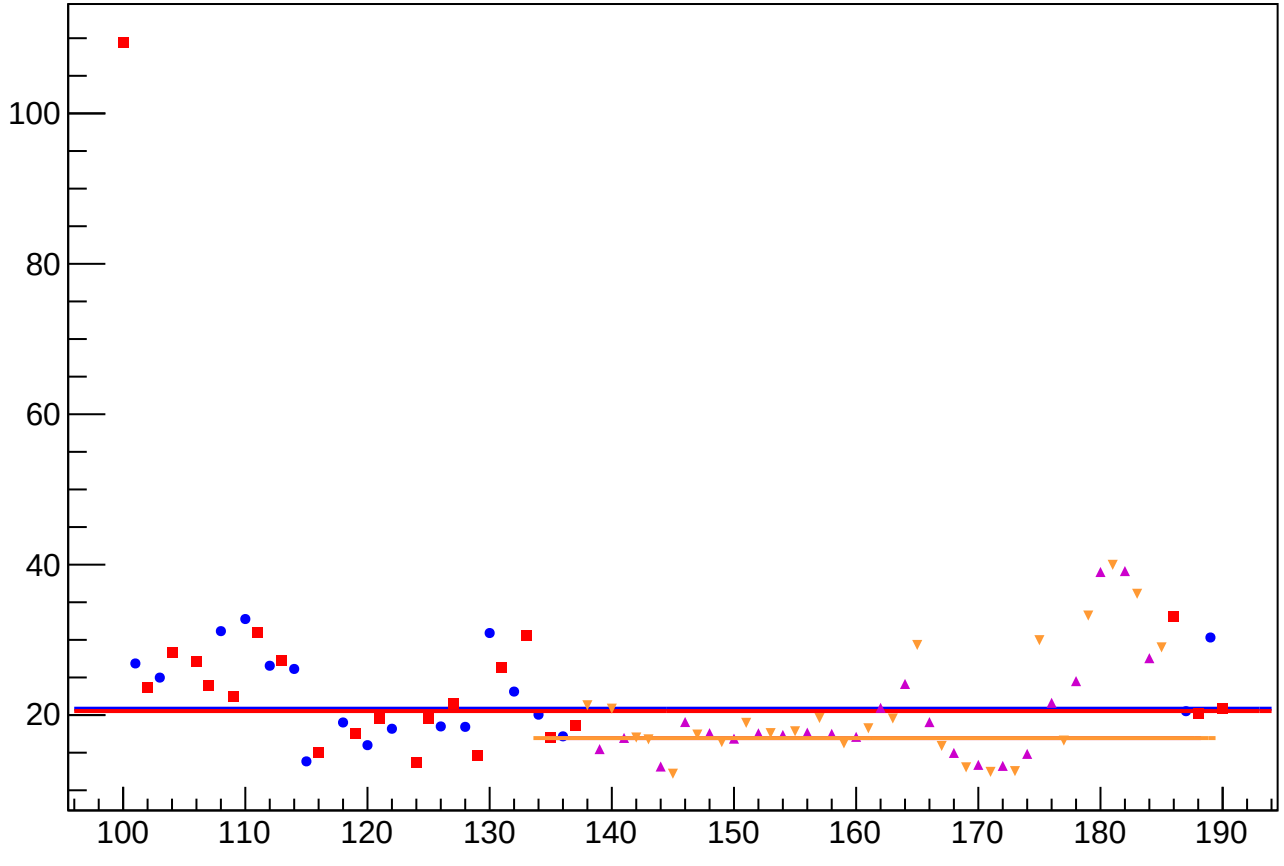
Right: -0.003+/-0.005 χ^2/NDF: 26.5/39

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.5/46

All: -0.001+/-0.003 χ^2/NDF: 89.2/87

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.533+/-0.005 χ^2/NDF: 977816.7/21

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

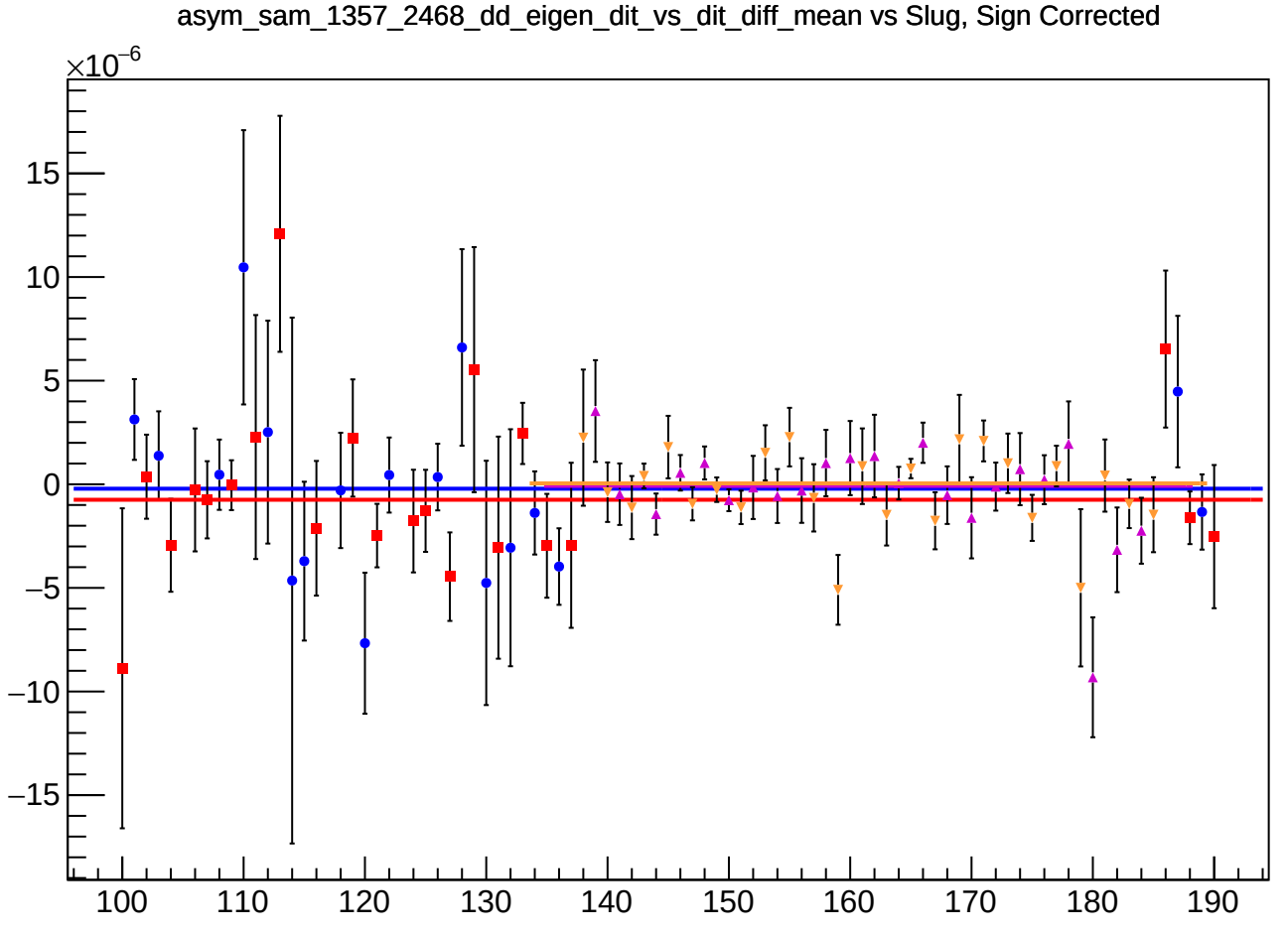
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.677+/-0.004 χ^2/NDF: 1786007.6/39

In: 17.814+/-0.003 χ^2/NDF:3135513.4/40

Out: 17.812+/-0.003 χ^2/NDF:4189921.0/46

All: 17.813+/-0.002 χ^2/NDF: 7325434.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/21

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

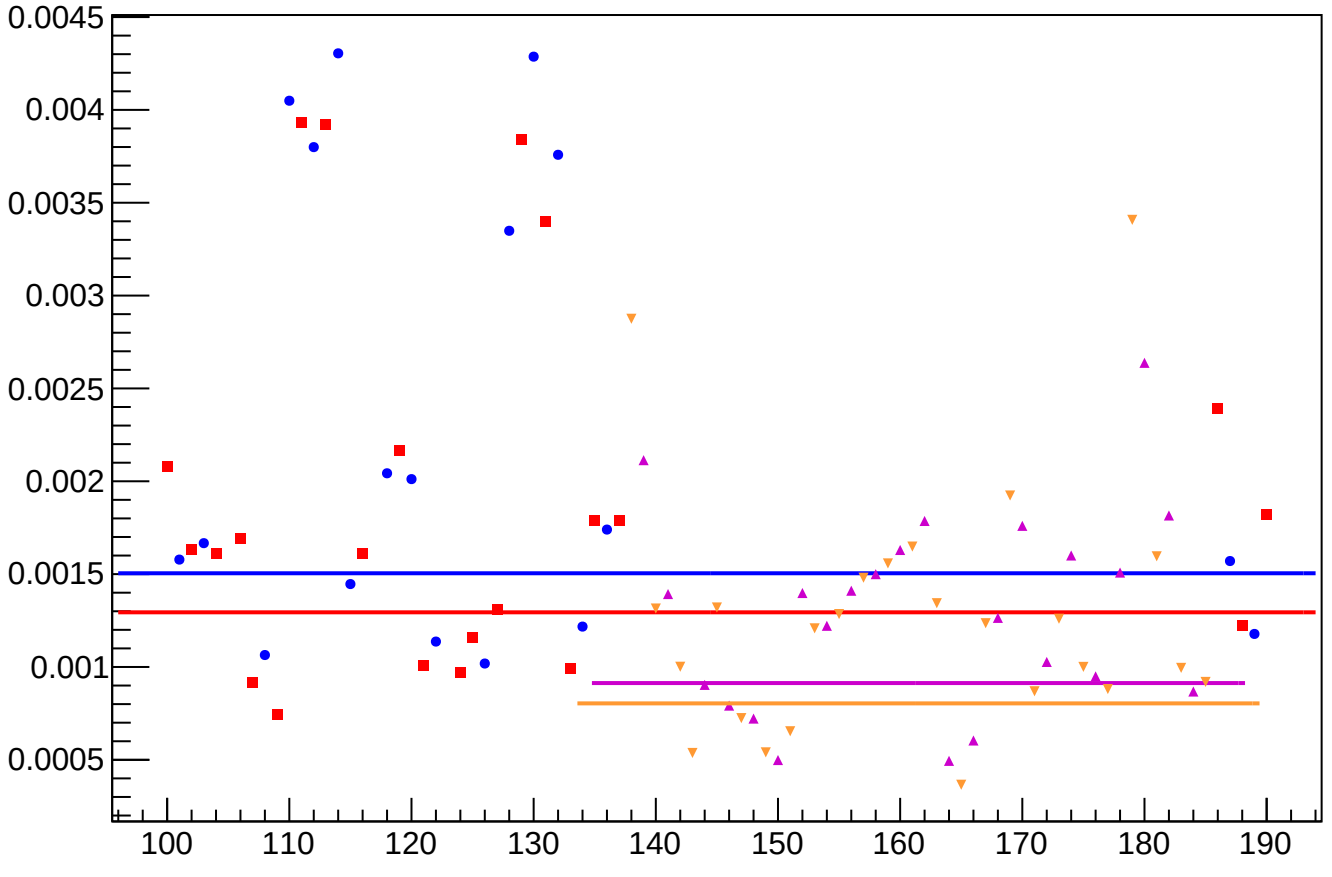
Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/39

In: -0.000+/-0.000 χ^2/NDF:52.9/40

Out: -0.000+/-0.000 χ^2/NDF:64.9/46

All: -0.000+/-0.000 χ^2/NDF: 117.8/87



Right In: 0.002+/-0.000 χ^2/NDF: 2489261.0/17

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2891952.9/21

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

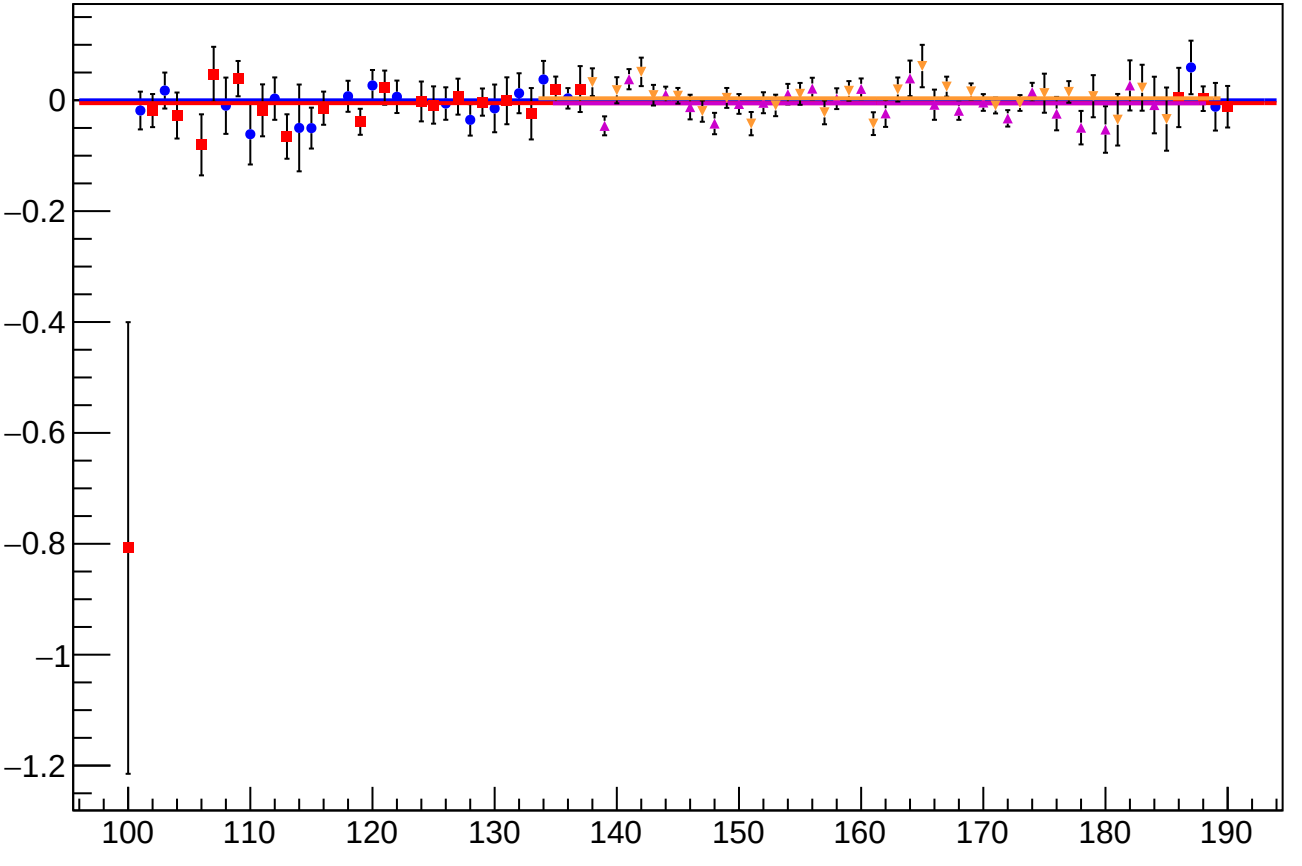
Right: 0.001+/-0.000 χ^2/NDF: 5535739.5/39

In: 0.001+/-0.000 χ^2/NDF:10660718.7/40

Out: 0.001+/-0.000 χ^2/NDF:12932368.8/46

All: 0.001+/-0.000 χ^2/NDF: 23906240.3/87

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/21

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

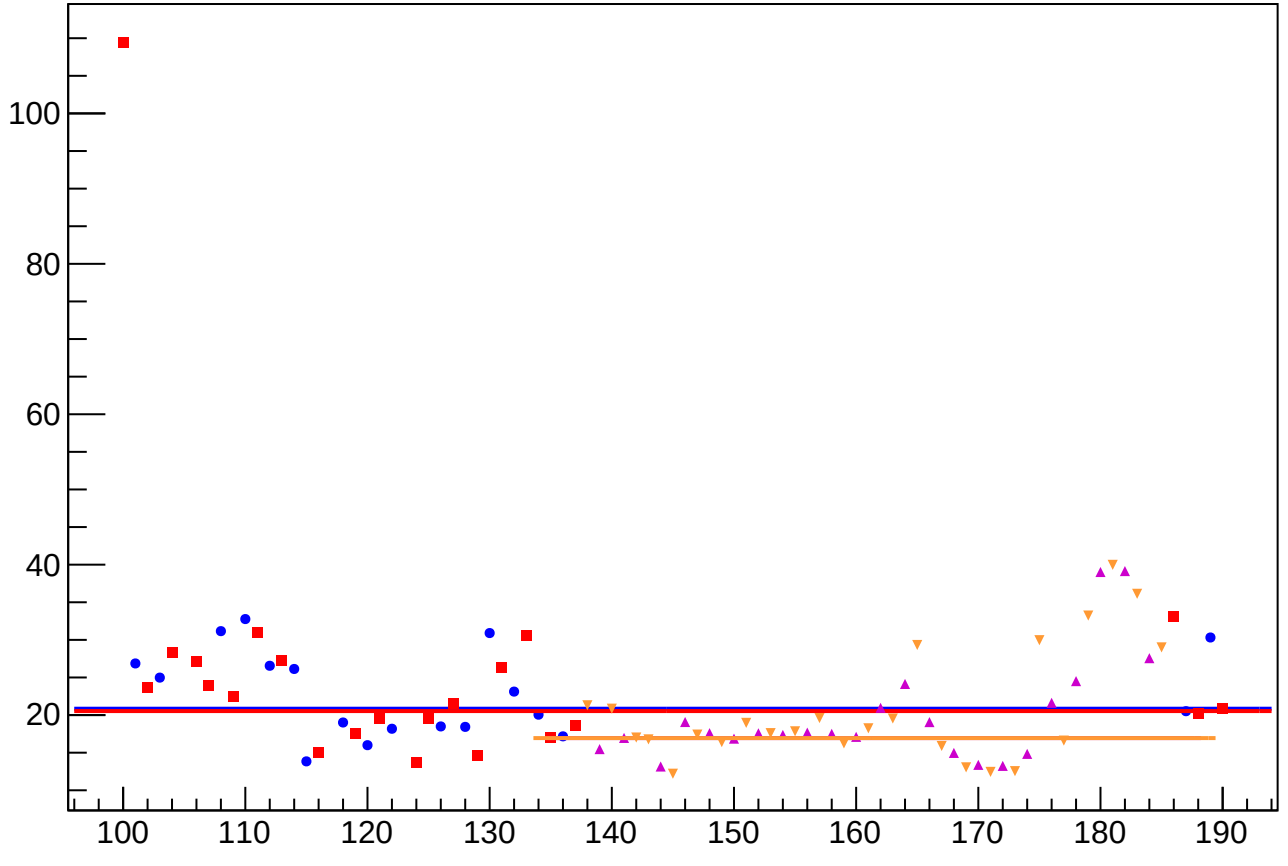
Right: -0.003+/-0.005 χ^2/NDF: 26.5/39

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.5/46

All: -0.001+/-0.003 χ^2/NDF: 89.2/87

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.845+/-0.006 χ^2/NDF: 806359.9/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.533+/-0.005 χ^2/NDF: 977839.7/21

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

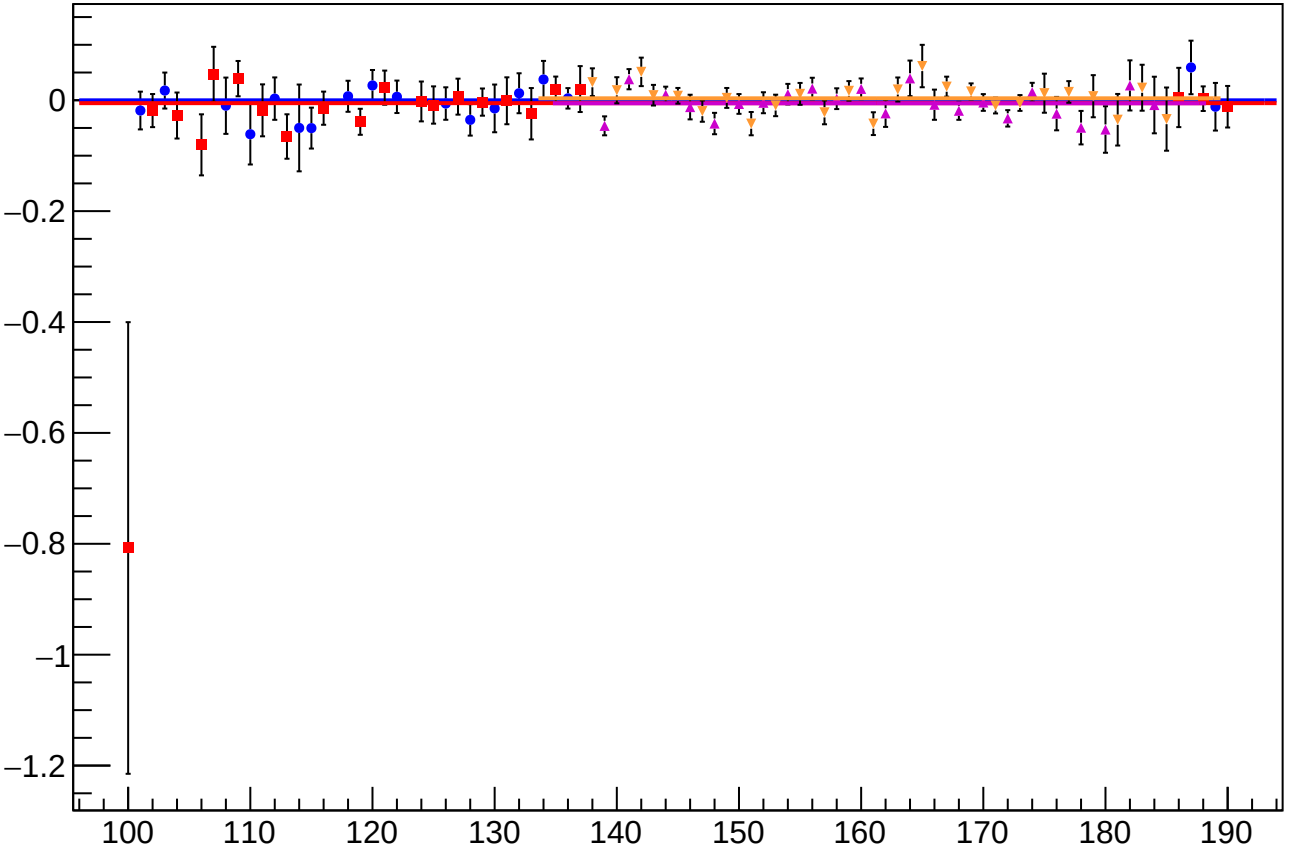
Right: 20.677+/-0.004 χ^2/NDF: 1785925.4/39

In: 17.814+/-0.003 χ^2/NDF:3135282.7/40

Out: 17.812+/-0.003 χ^2/NDF:4189788.7/46

All: 17.813+/-0.002 χ^2/NDF: 7325071.6/87

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/21

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

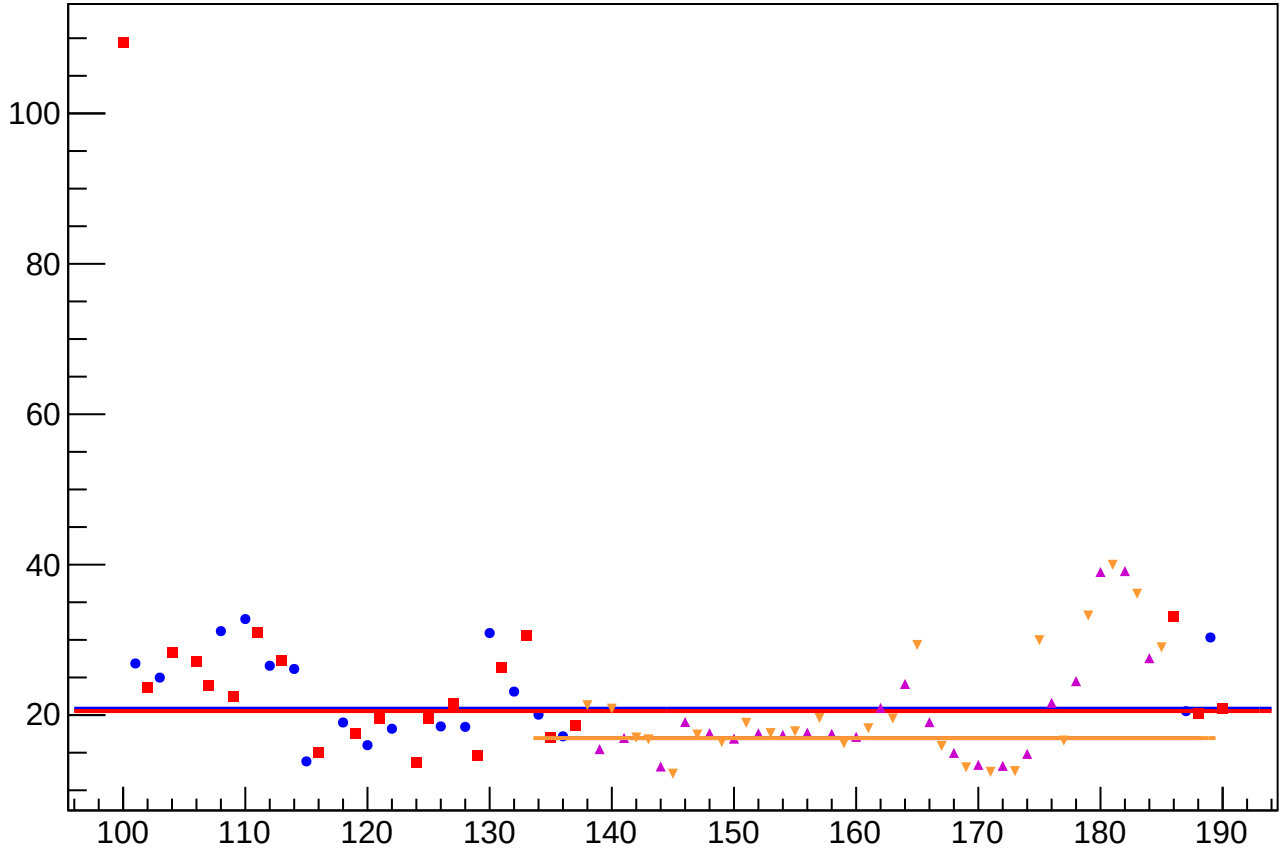
Right: -0.003+/-0.005 χ^2/NDF: 26.5/39

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.5/46

All: -0.001+/-0.003 χ^2/NDF: 89.2/87

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.845+/-0.006 χ^2/NDF: 806359.9/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.533+/-0.005 χ^2/NDF: 977839.7/21

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

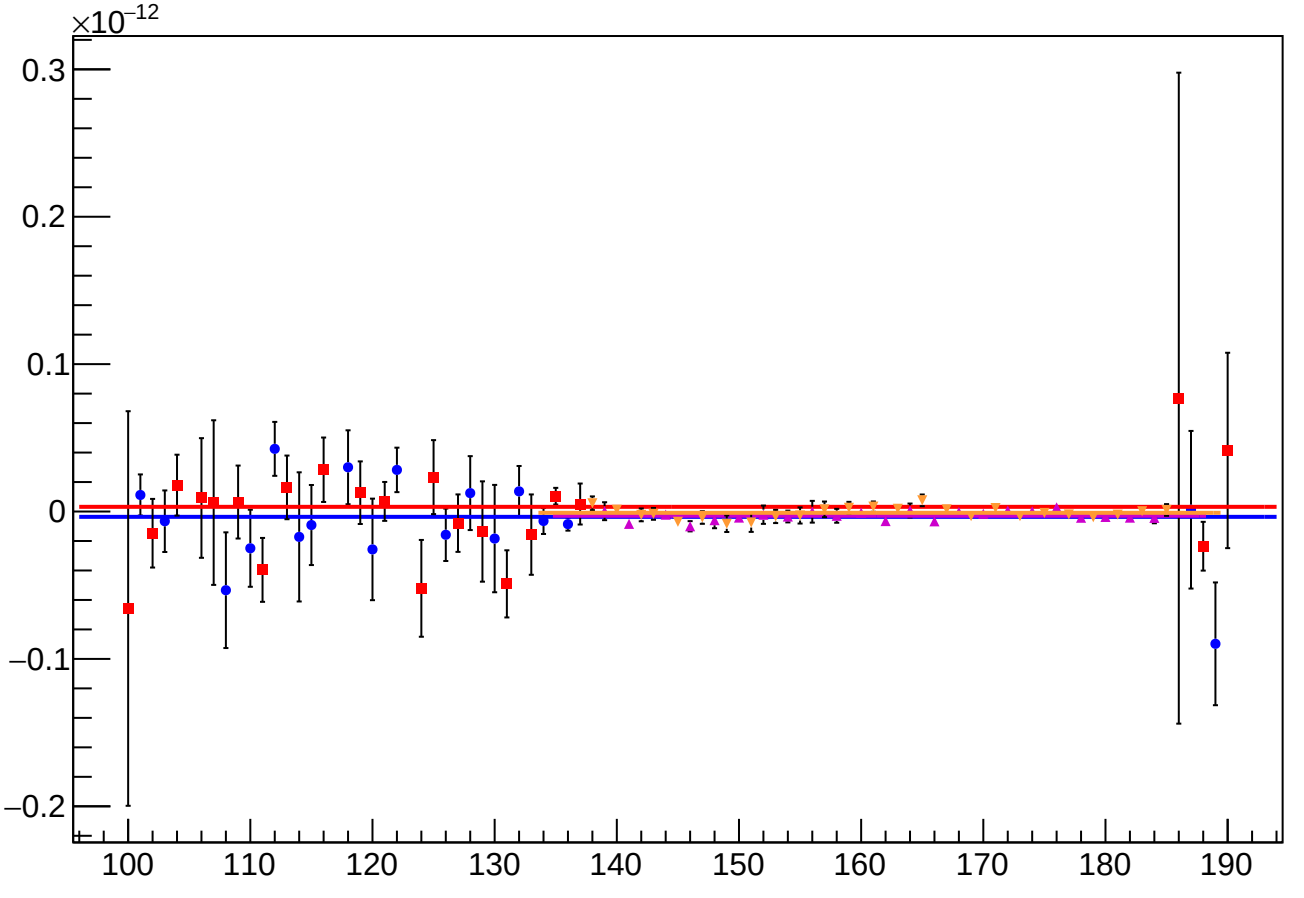
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.677+/-0.004 χ^2/NDF: 1785925.4/39

In: 17.814+/-0.003 χ^2/NDF:3135282.7/40

Out: 17.812+/-0.003 χ^2/NDF:4189788.7/46

All: 17.813+/-0.002 χ^2/NDF: 7325071.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/21

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

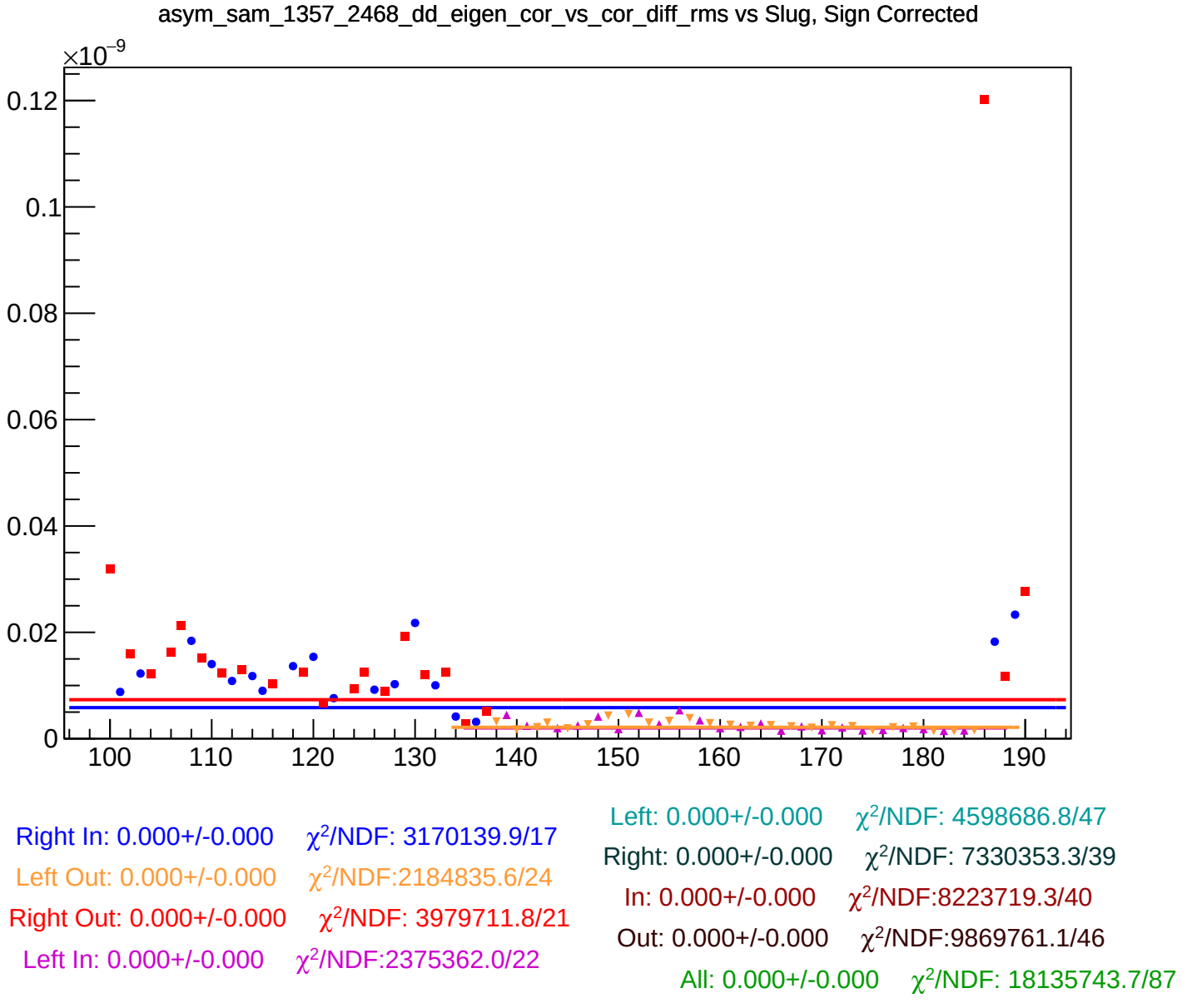
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

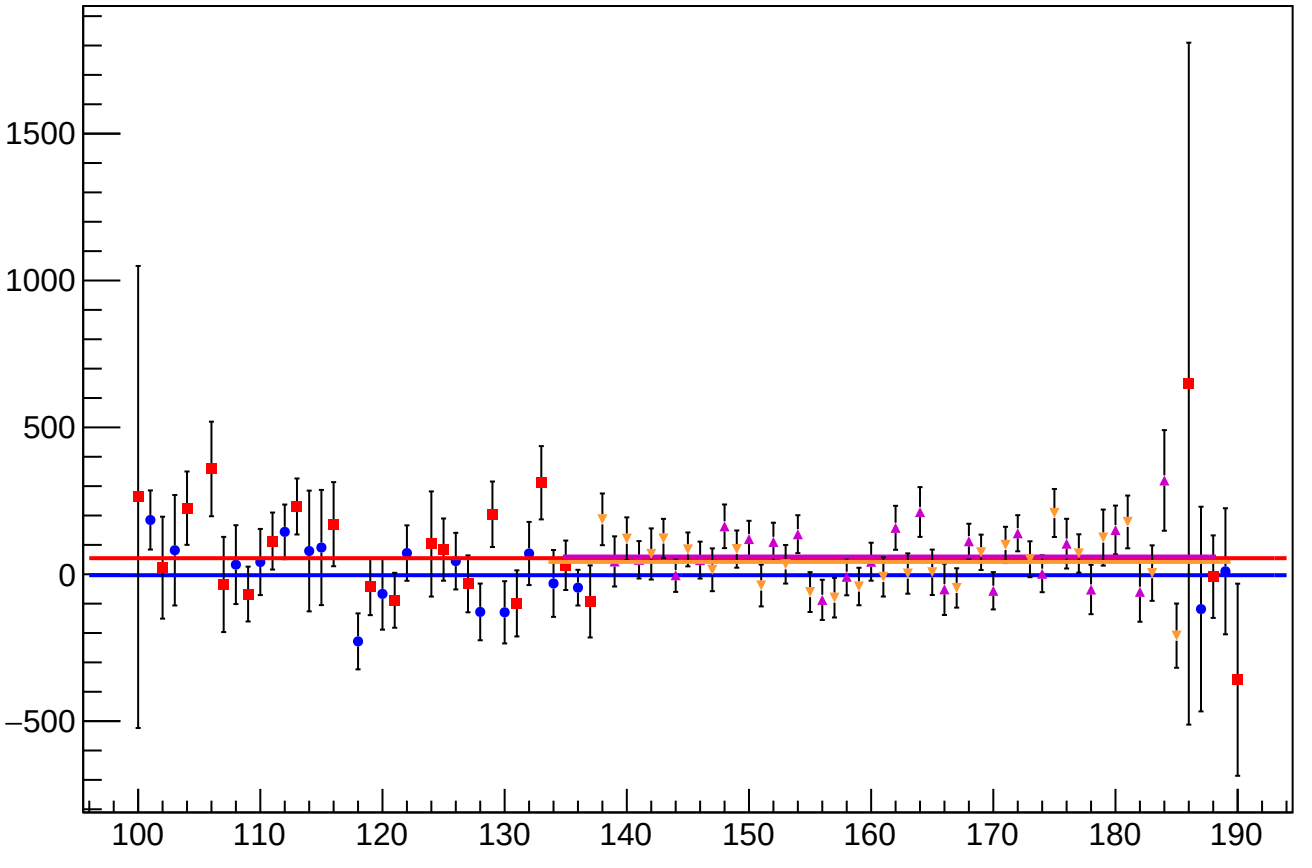
Right: -0.000+/-0.000 χ^2/NDF: 47.9/39

In: -0.000+/-0.000 χ^2/NDF:47.4/40

Out: -0.000+/-0.000 χ^2/NDF:46.5/46

All: -0.000+/-0.000 χ^2/NDF: 99.8/87


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3170139.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3979711.8/21
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
Left: 0.000+/-0.000 χ²/NDF: 4598686.8/47
Right: 0.000+/-0.000 χ²/NDF: 7330353.3/39
In: 0.000+/-0.000 χ²/NDF:8223719.3/40
Out: 0.000+/-0.000 χ²/NDF:9869761.1/46
All: 0.000+/-0.000 χ²/NDF: 18135743.7/87



Right In: -3.219+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 54.744+/-25.842 χ^2/NDF: 27.8/21

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

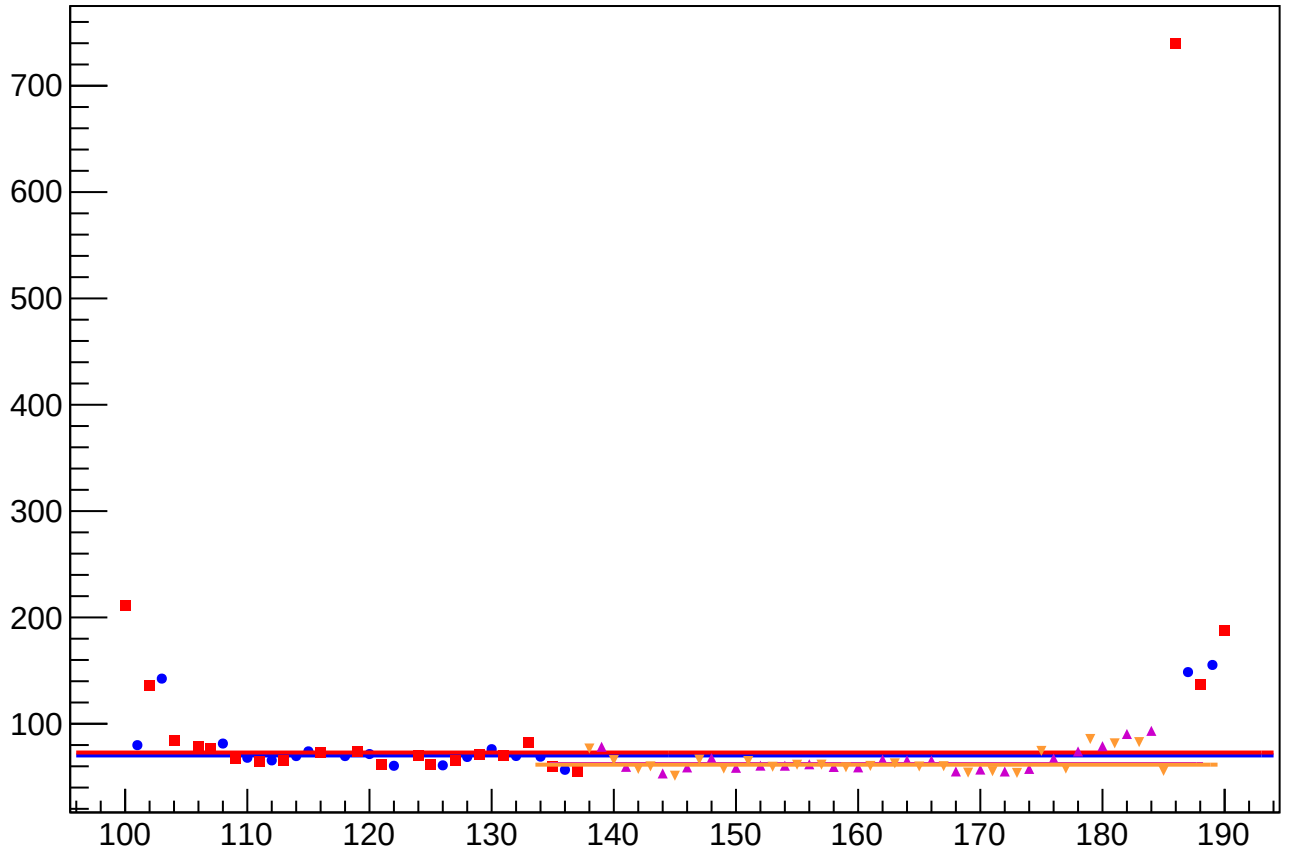
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 25.881+/-18.310 χ^2/NDF: 48.1/39

In: 44.902+/-12.799 χ^2/NDF:54.6/40

Out: 44.959+/-12.432 χ^2/NDF:60.0/46

All: 44.931+/-8.918 χ^2/NDF: 114.6/87



Right In: 70.212+/-0.018 χ^2/NDF: 896246.0/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 72.964+/-0.018 χ^2/NDF: 1871439.9/21

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

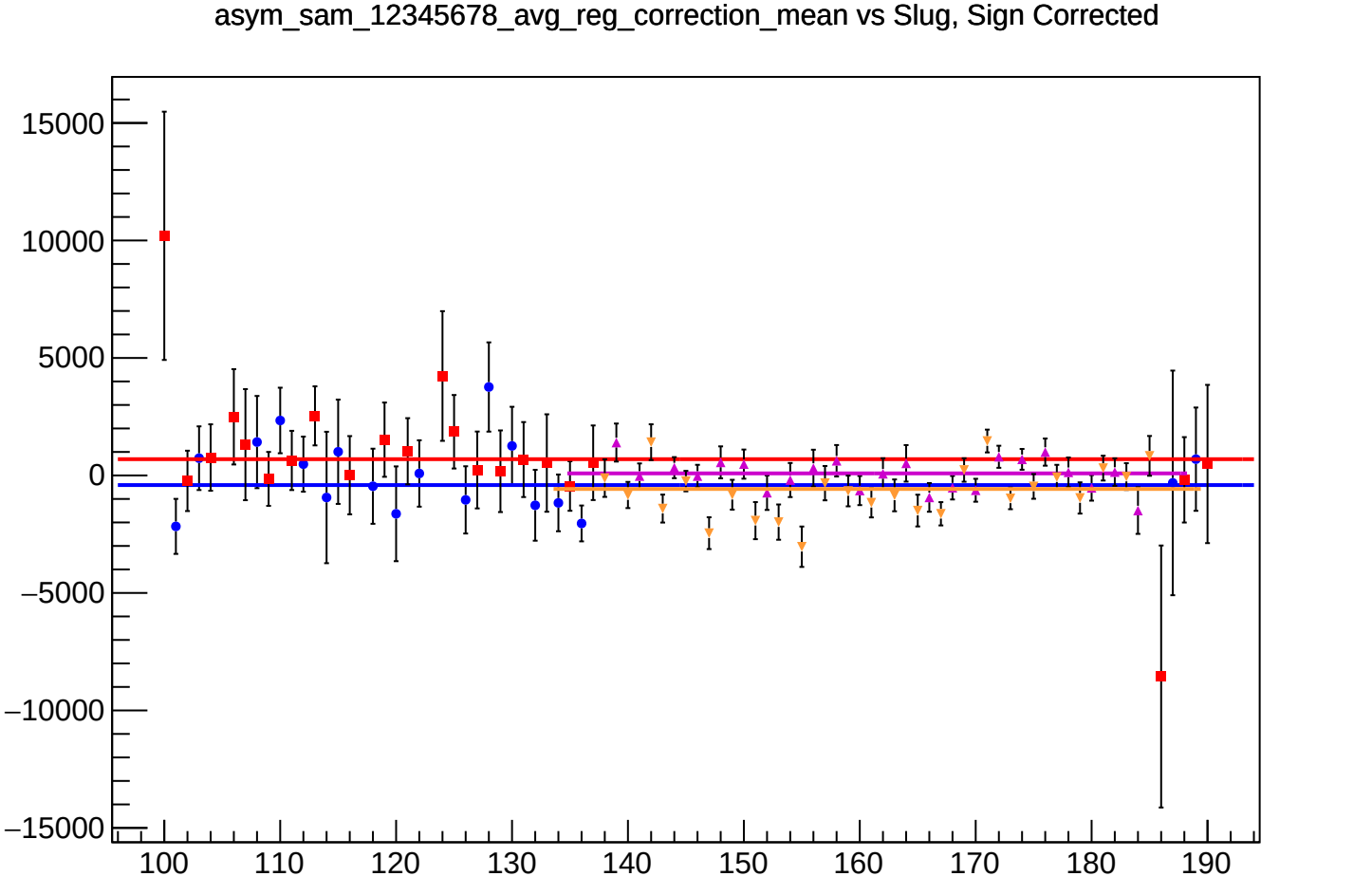
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 71.594+/-0.013 χ^2/NDF: 2778980.3/39

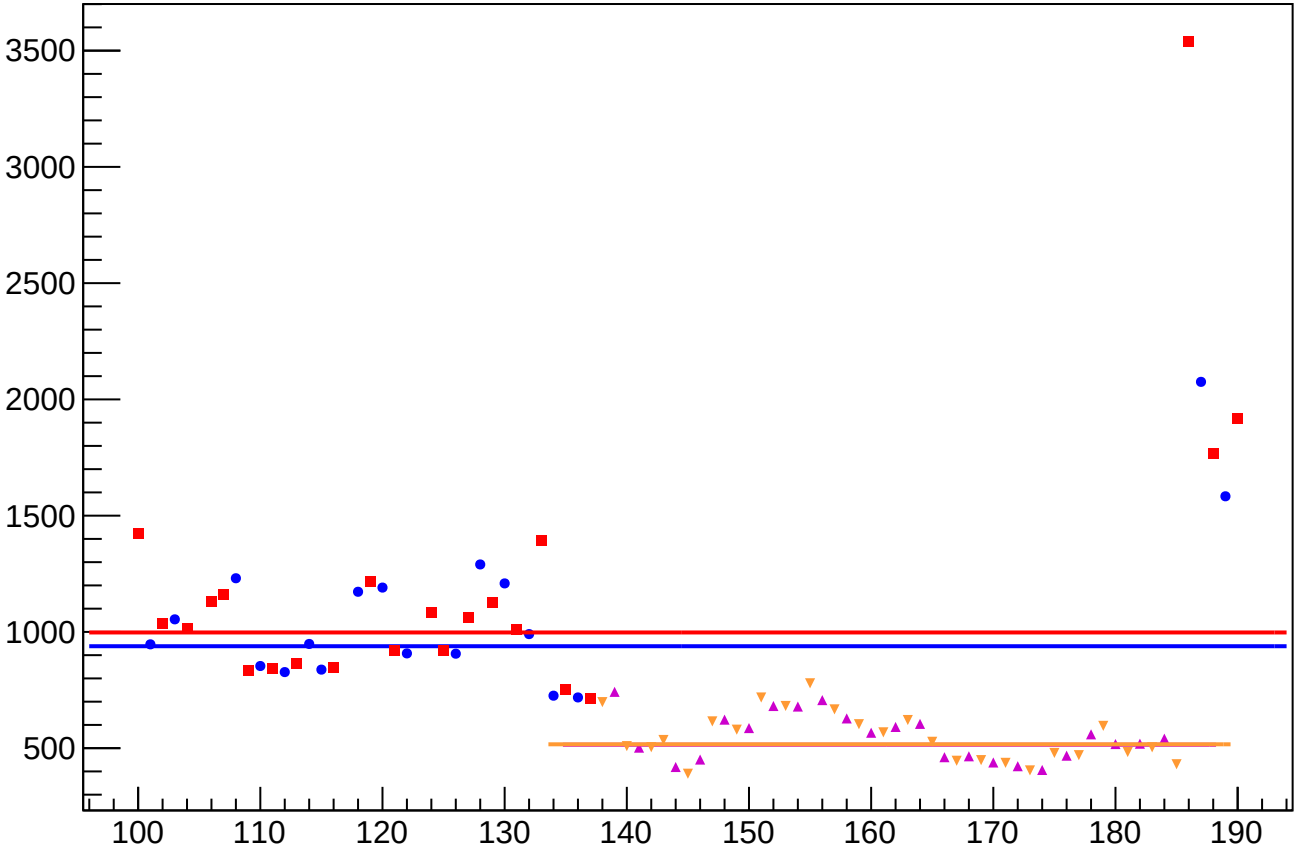
In: 64.108+/-0.009 χ^2/NDF:1639310.8/40

Out: 64.187+/-0.009 χ^2/NDF:2809475.3/46

All: 64.149+/-0.006 χ^2/NDF: 4448826.0/87


asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -409.179+/-343.674 χ²/NDF: 20.8/17
Left Out: -574.818+/-119.736 χ²/NDF:68.8/24
Right Out: 692.796+/-344.090 χ²/NDF: 14.4/21
Left In: 88.334+/-122.492 χ²/NDF:24.6/22
Left: -250.787+/-85.624 χ²/NDF: 108.4/47
Right: 141.141+/-243.161 χ²/NDF: 40.3/39
In: 32.256+/-115.383 χ²/NDF:47.3/40
Out: -437.902+/-113.085 χ²/NDF:95.3/46
All: -207.551+/-80.763 χ²/NDF: 151.0/87

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 938.476+/-0.243 χ^2/NDF: 802630.9/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 997.649+/-0.243 χ^2/NDF: 1379232.8/21

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

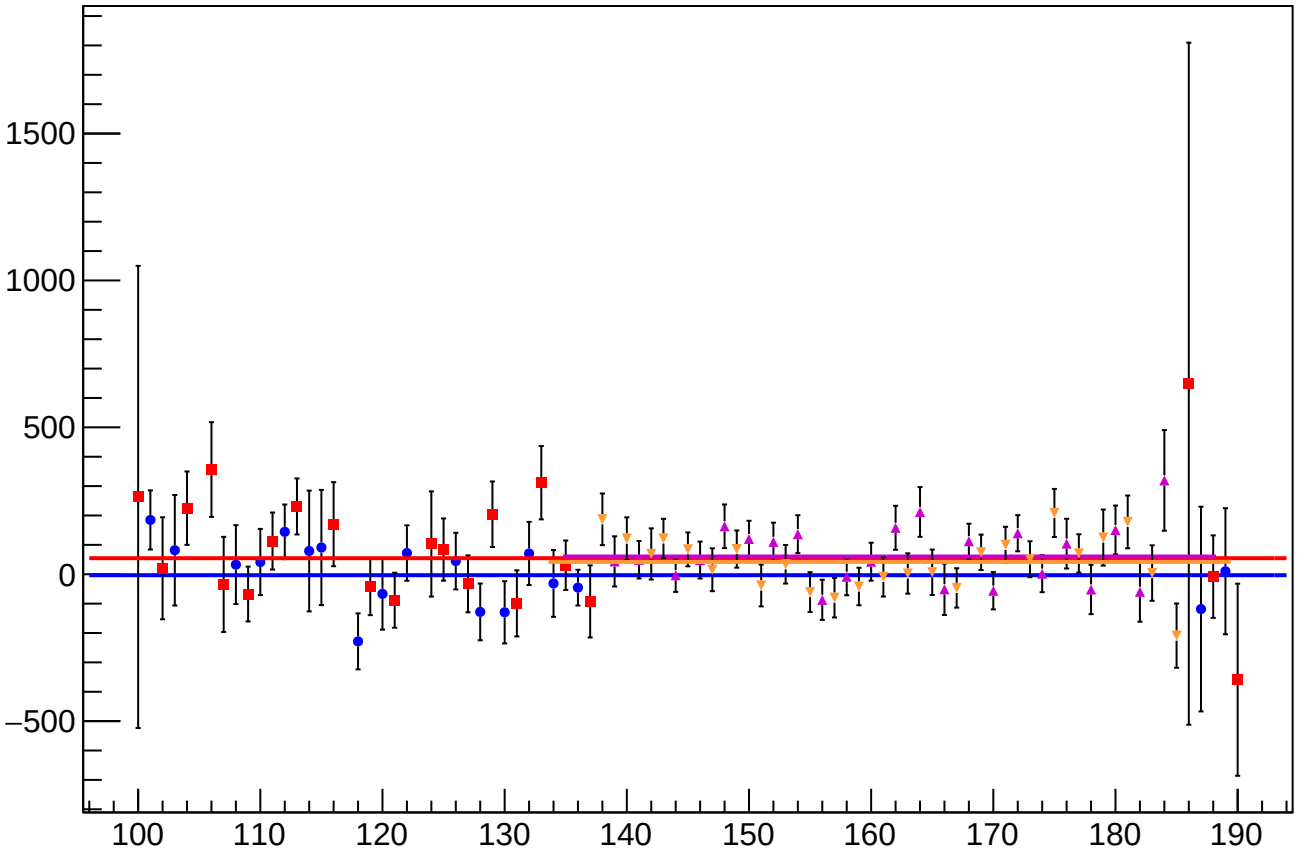
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 968.027+/-0.172 χ^2/NDF: 2211473.1/39

In: 562.538+/-0.082 χ^2/NDF:4620225.5/40

Out: 568.590+/-0.080 χ^2/NDF:6130654.8/46

All: 565.625+/-0.057 χ^2/NDF: 10753686.3/87



Right In: -3.226+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 54.625+/-25.843 χ^2/NDF: 27.7/21

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

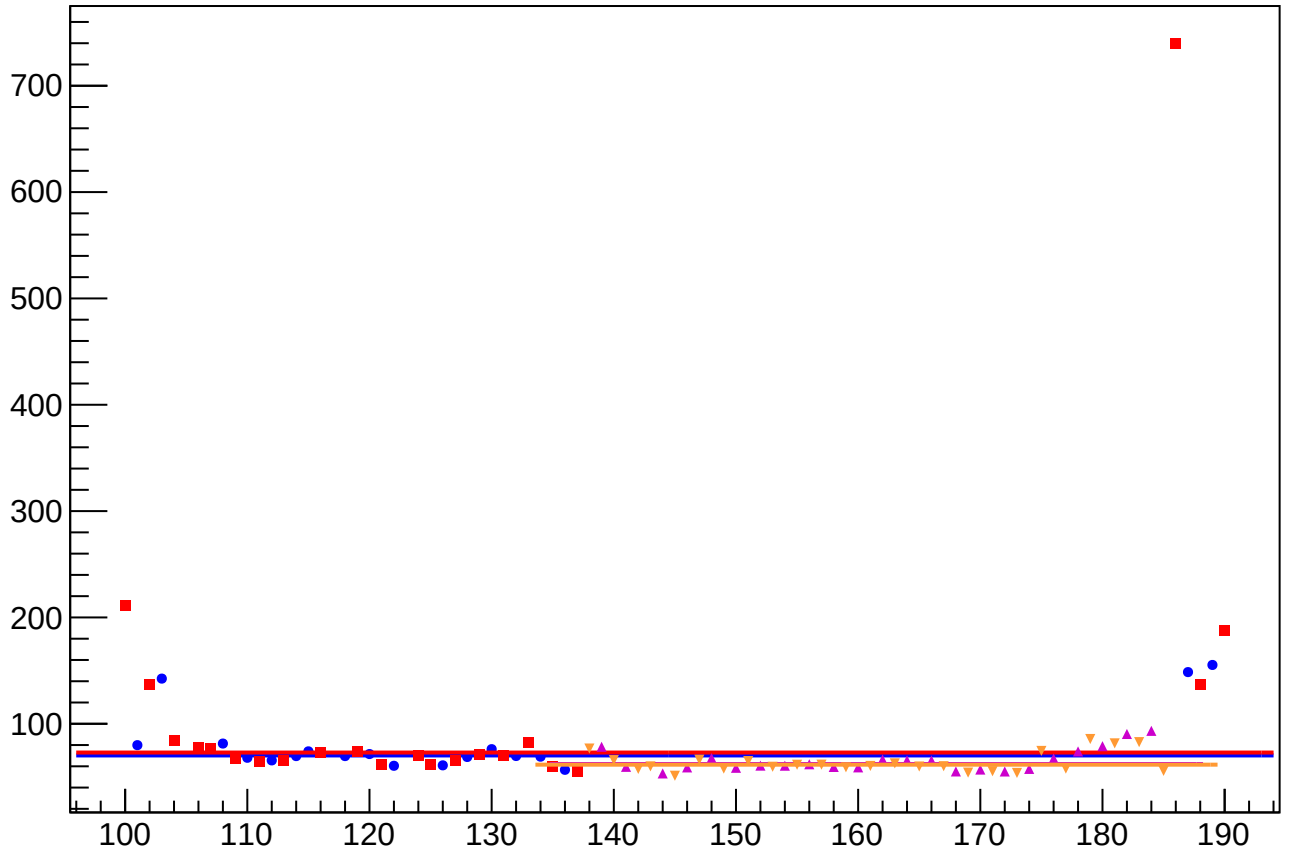
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 25.817+/-18.310 χ^2/NDF: 48.1/39

In: 44.901+/-12.799 χ^2/NDF:54.5/40

Out: 44.935+/-12.432 χ^2/NDF:60.0/46

All: 44.918+/-8.918 χ^2/NDF: 114.5/87



Right In: 70.212+/-0.018 χ^2/NDF: 896249.1/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 72.946+/-0.018 χ^2/NDF: 1871192.5/21

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

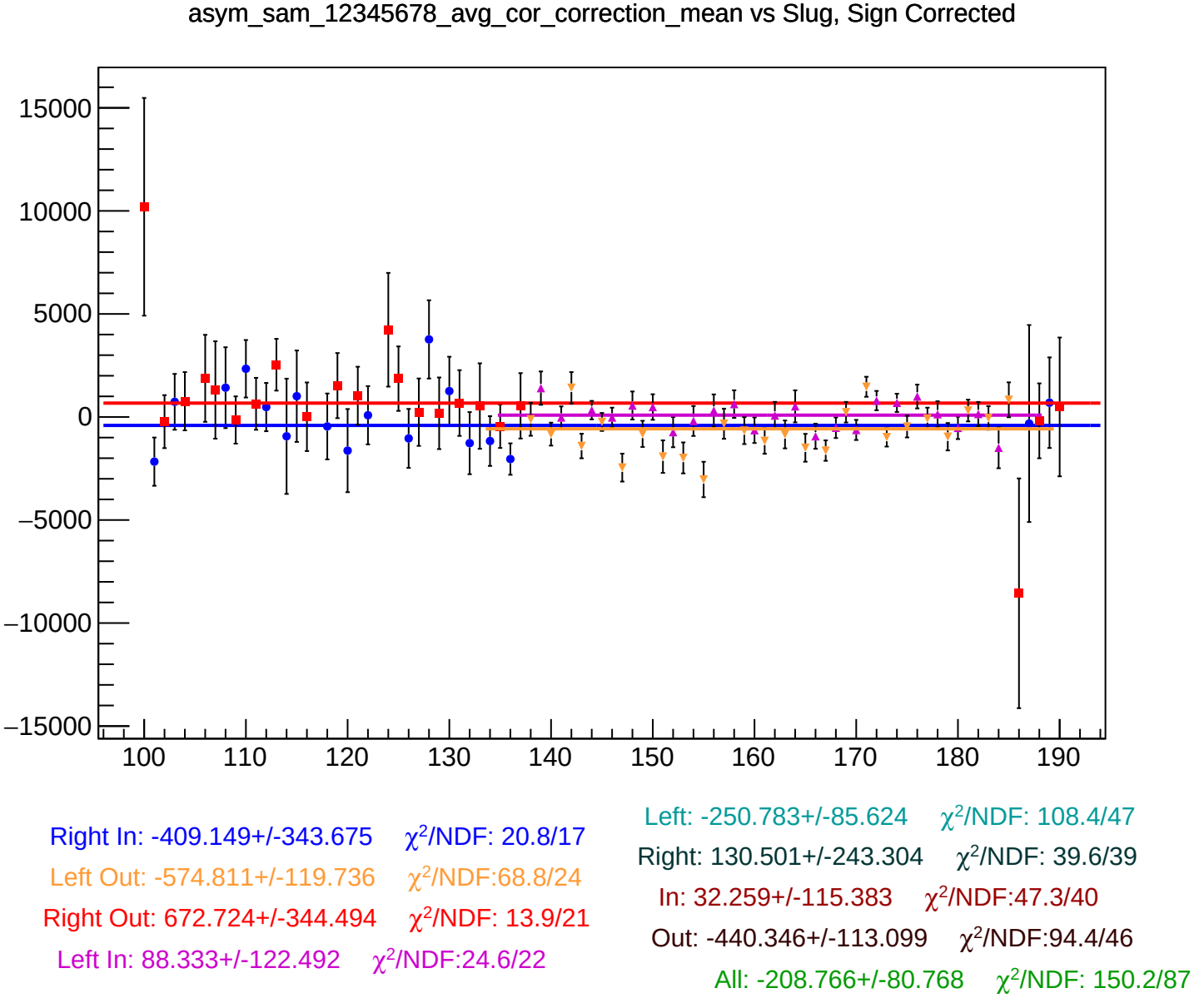
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 71.585+/-0.013 χ^2/NDF: 2778586.5/39

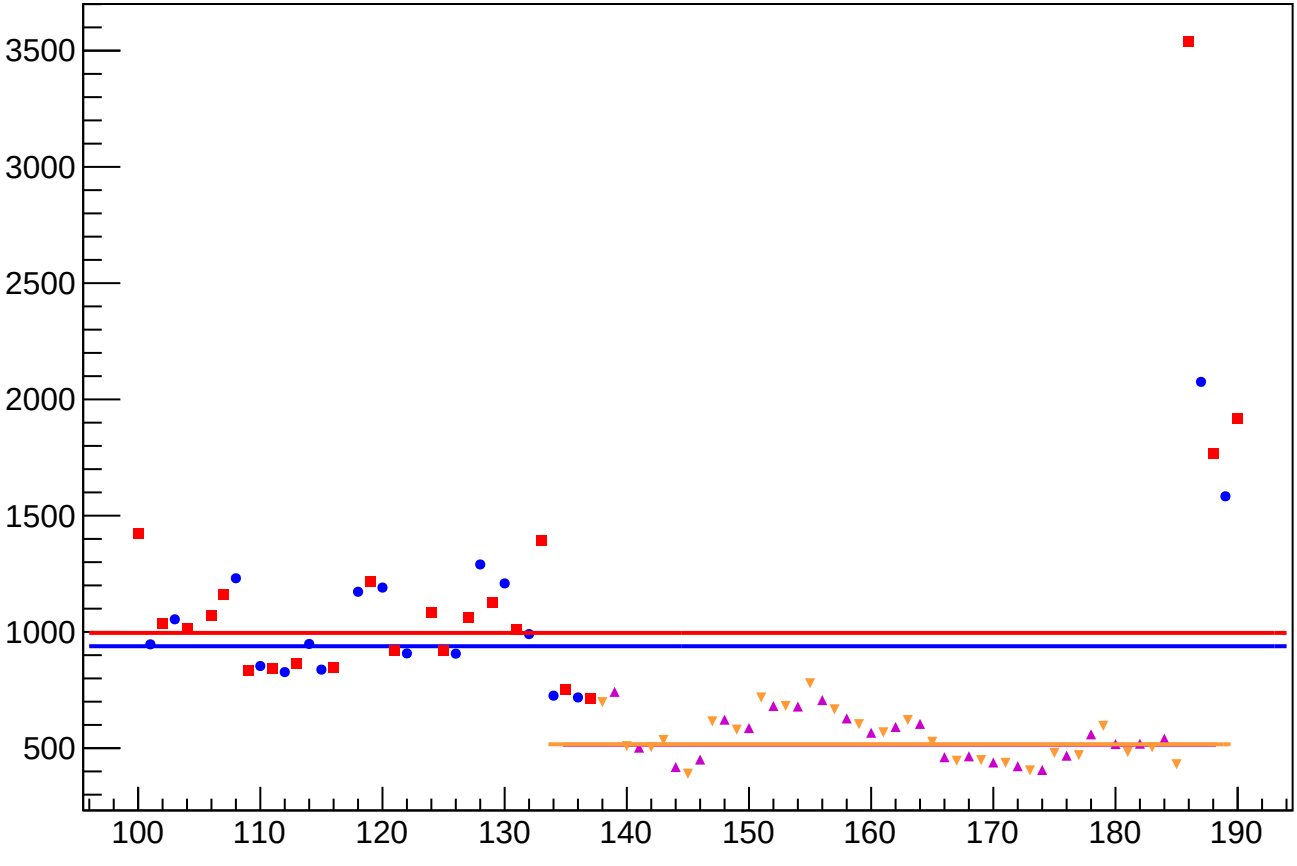
In: 64.108+/-0.009 χ^2/NDF:1639313.8/40

Out: 64.183+/-0.009 χ^2/NDF:2808253.2/46

All: 64.146+/-0.006 χ^2/NDF: 4447602.7/87


asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -409.149+/-343.675 χ²/NDF: 20.8/17
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: 672.724+/-344.494 χ²/NDF: 13.9/21
Left In: 88.333+/-122.492 χ²/NDF:24.6/22
Left: -250.783+/-85.624 χ²/NDF: 108.4/47
Right: 130.501+/-243.304 χ²/NDF: 39.6/39
In: 32.259+/-115.383 χ²/NDF:47.3/40
Out: -440.346+/-113.099 χ²/NDF:94.4/46
All: -208.766+/-80.768 χ²/NDF: 150.2/87

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 938.480+/-0.243 χ^2/NDF: 802651.3/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 995.730+/-0.244 χ^2/NDF: 1372756.2/21

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

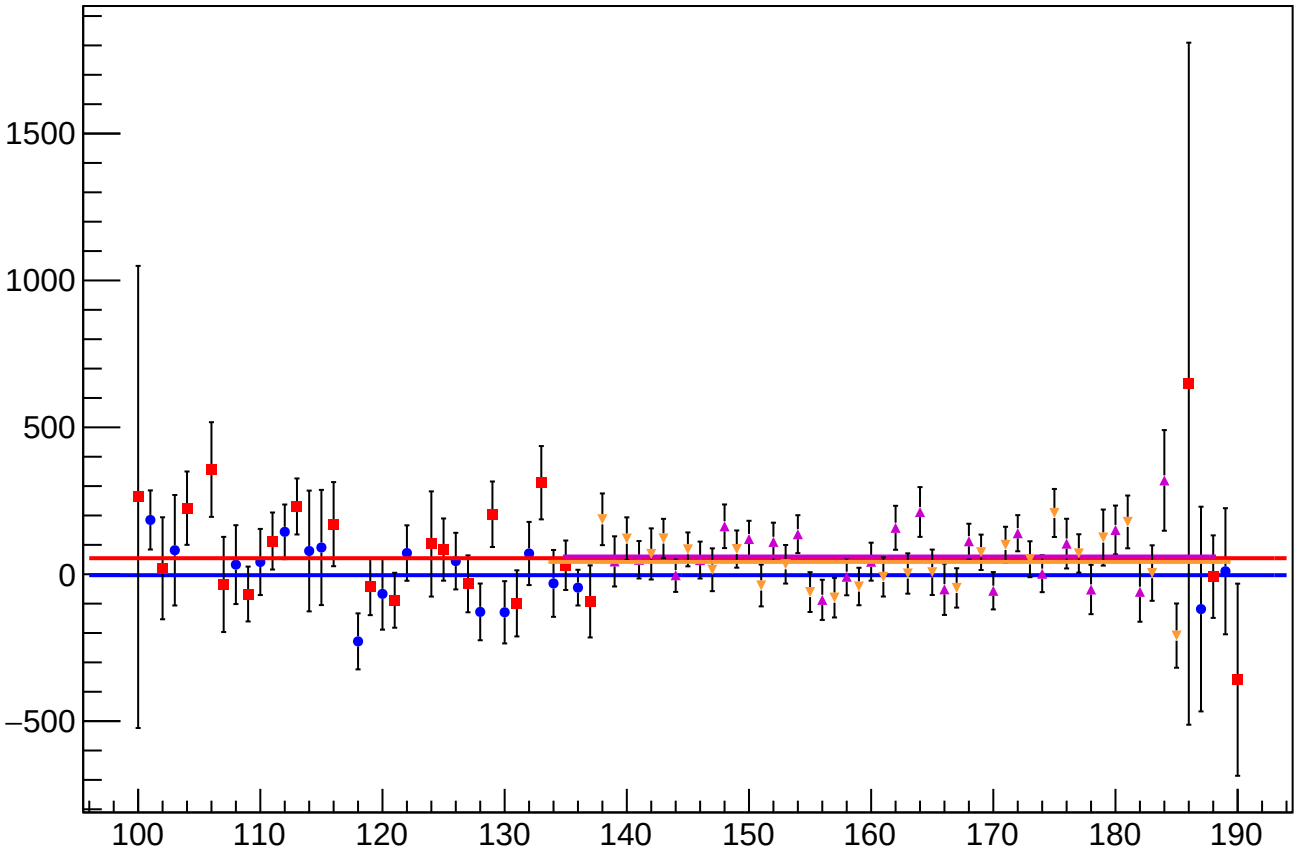
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 967.037+/-0.172 χ^2/NDF: 2203090.8/39

In: 562.539+/-0.082 χ^2/NDF:4620268.1/40

Out: 568.274+/-0.080 χ^2/NDF:6089194.6/46

All: 565.464+/-0.057 χ^2/NDF: 10711983.2/87



Right In: -3.226+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 54.625+/-25.843 χ^2/NDF: 27.7/21

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

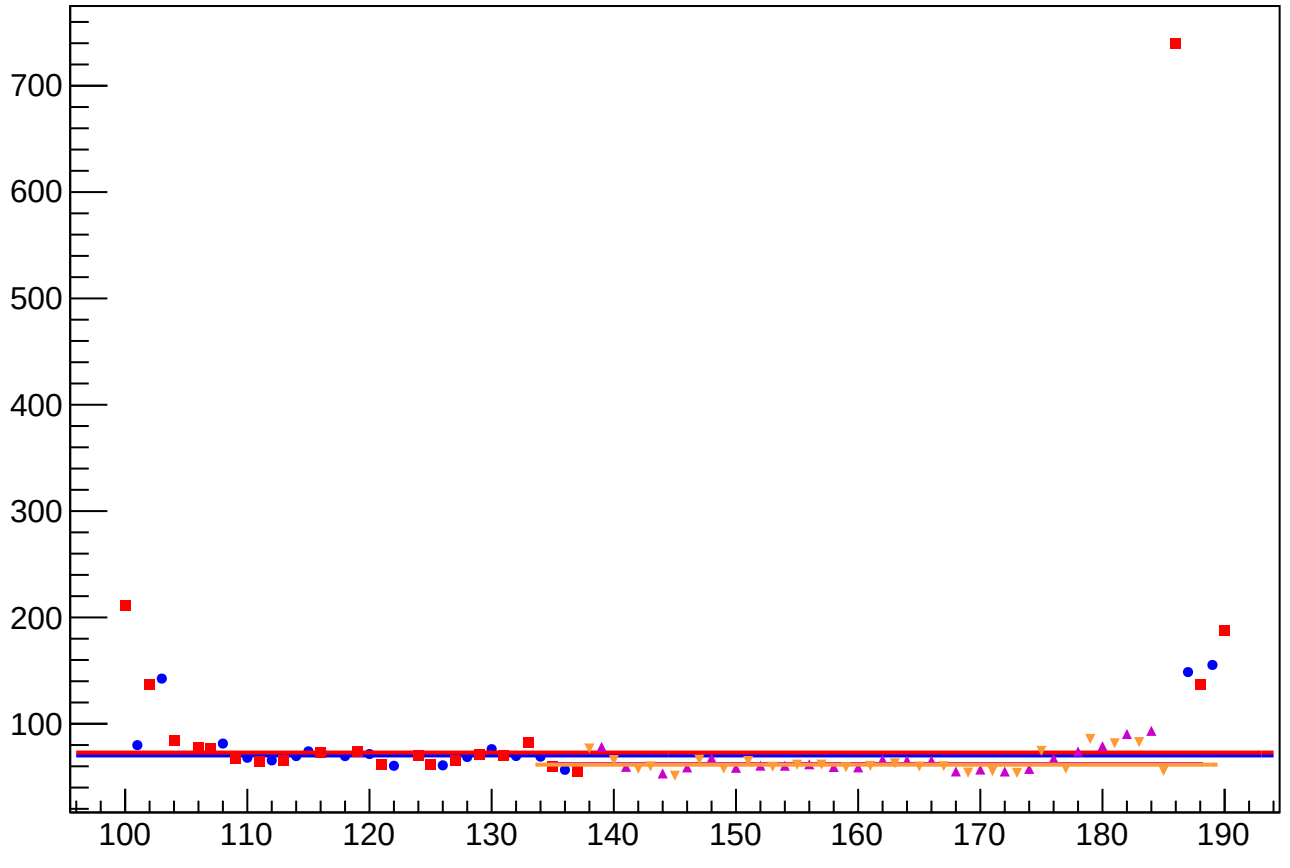
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 25.817+/-18.310 χ^2/NDF: 48.1/39

In: 44.901+/-12.799 χ^2/NDF:54.5/40

Out: 44.935+/-12.432 χ^2/NDF:60.0/46

All: 44.918+/-8.918 χ^2/NDF: 114.5/87



Right In: 70.212+/-0.018 χ^2/NDF: 896249.1/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 72.946+/-0.018 χ^2/NDF: 1871192.5/21

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

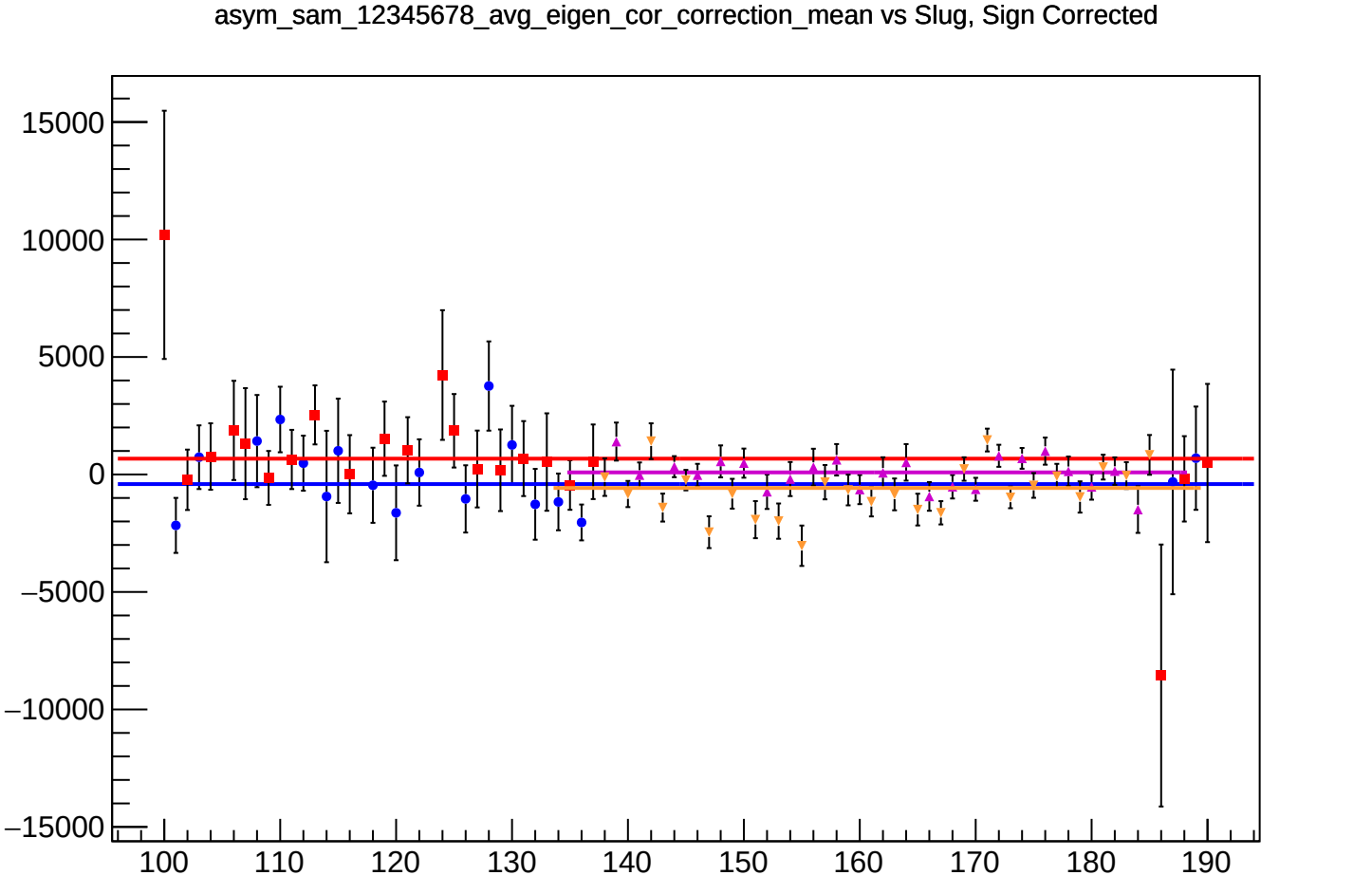
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 71.585+/-0.013 χ^2/NDF: 2778586.5/39

In: 64.108+/-0.009 χ^2/NDF:1639313.8/40

Out: 64.183+/-0.009 χ^2/NDF:2808253.2/46

All: 64.146+/-0.006 χ^2/NDF: 4447602.7/87



Right In: -409.149+/-343.675 χ^2/NDF: 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 672.724+/-344.494 χ^2/NDF: 13.9/21

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

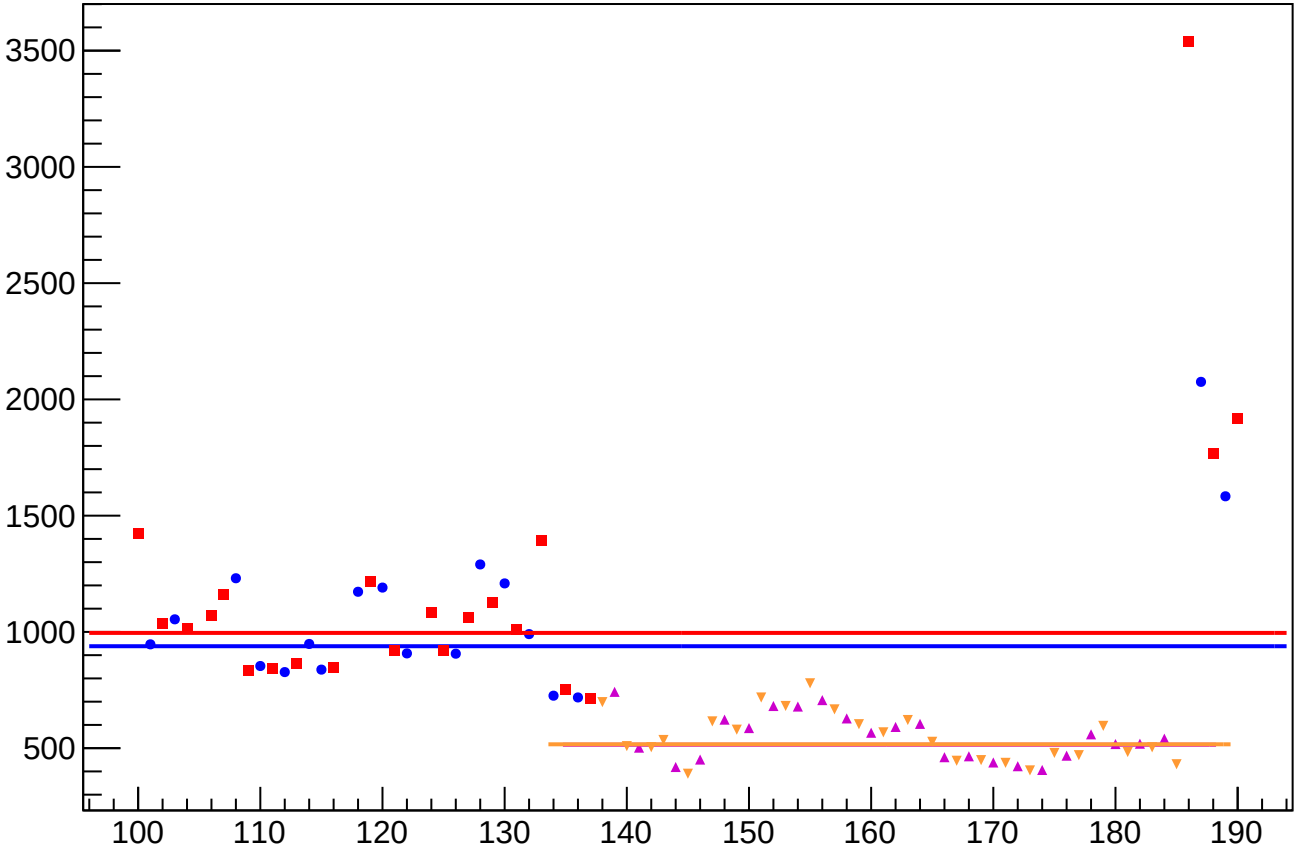
Right: 130.501+/-243.304 χ^2/NDF: 39.6/39

In: 32.259+/-115.383 χ^2/NDF:47.3/40

Out: -440.346+/-113.099 χ^2/NDF:94.4/46

All: -208.766+/-80.768 χ^2/NDF: 150.2/87

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 938.480+/-0.243 χ^2/NDF: 802651.3/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 995.730+/-0.244 χ^2/NDF: 1372756.2/21

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

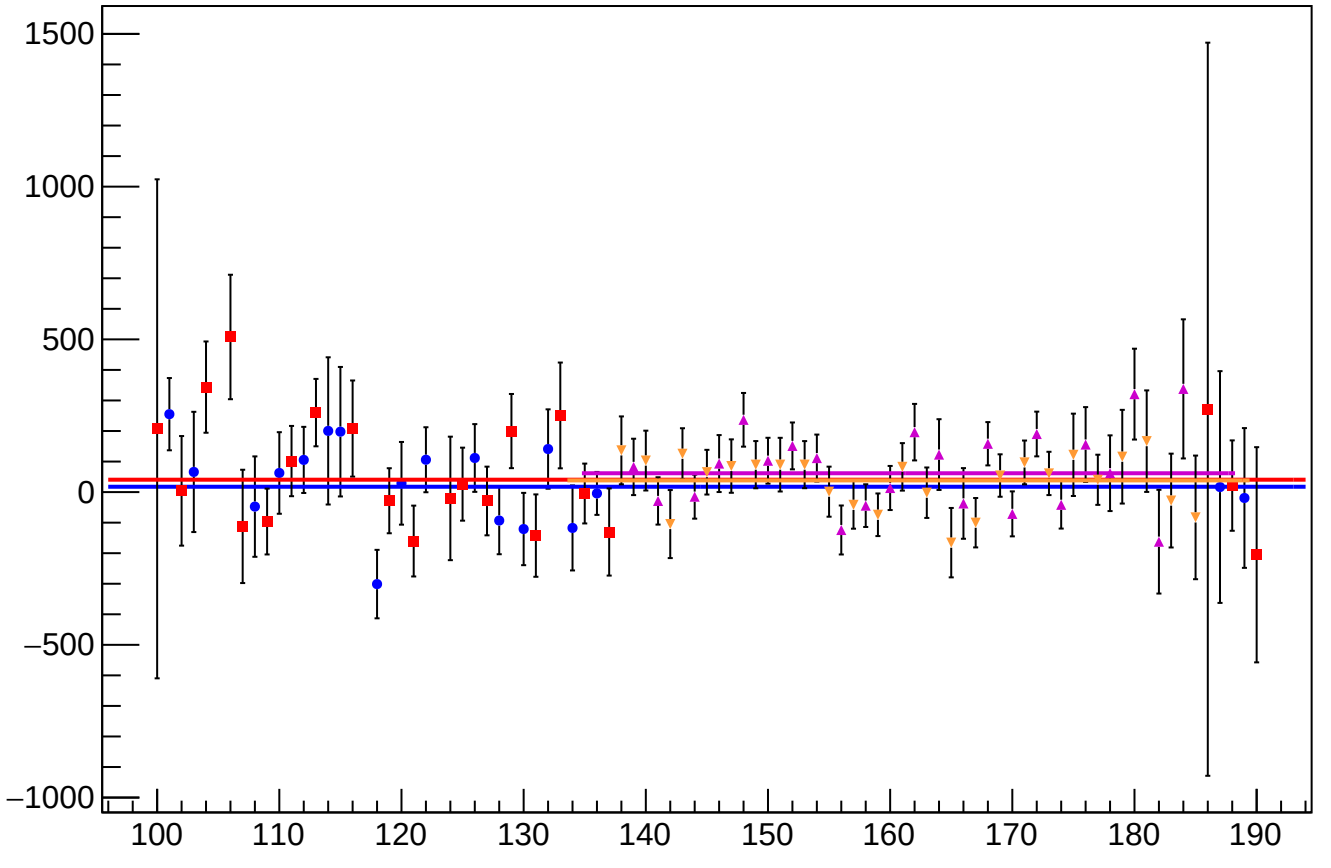
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 967.037+/-0.172 χ^2/NDF: 2203090.8/39

In: 562.539+/-0.082 χ^2/NDF:4620268.1/40

Out: 568.274+/-0.080 χ^2/NDF:6089194.6/46

All: 565.464+/-0.057 χ^2/NDF: 10711983.2/87



Right In: 17.523+/-29.989 χ^2/NDF: 20.2/17

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 40.599+/-29.948 χ^2/NDF: 28.3/21

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

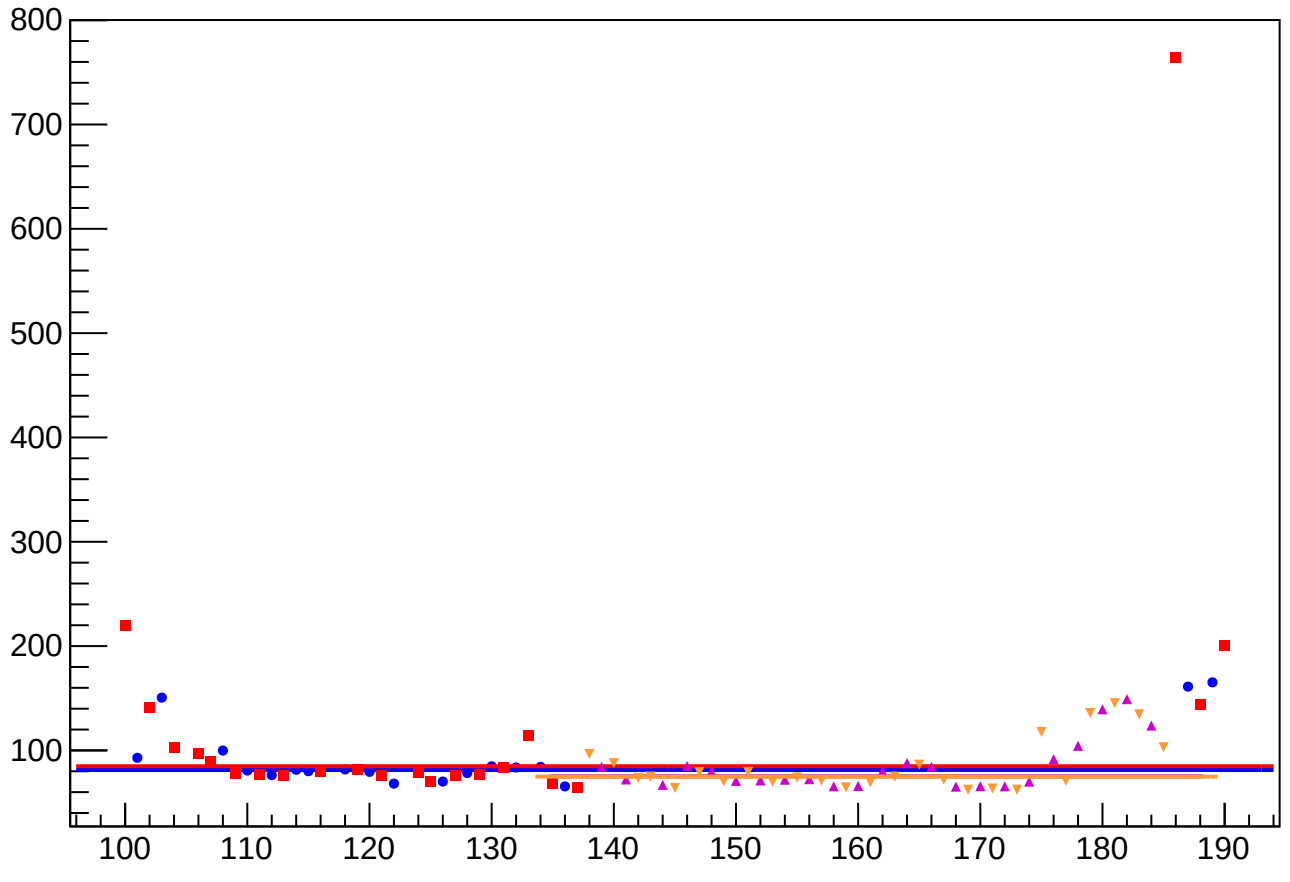
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 29.077+/-21.191 χ^2/NDF: 48.7/39

In: 49.834+/-15.554 χ^2/NDF:58.5/40

Out: 38.880+/-15.218 χ^2/NDF:47.1/46

All: 44.237+/-10.878 χ^2/NDF: 105.8/87



Right In: 81.252+/-0.021 χ^2/NDF: 811828.5/17

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 84.837+/-0.021 χ^2/NDF: 1724328.7/21

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

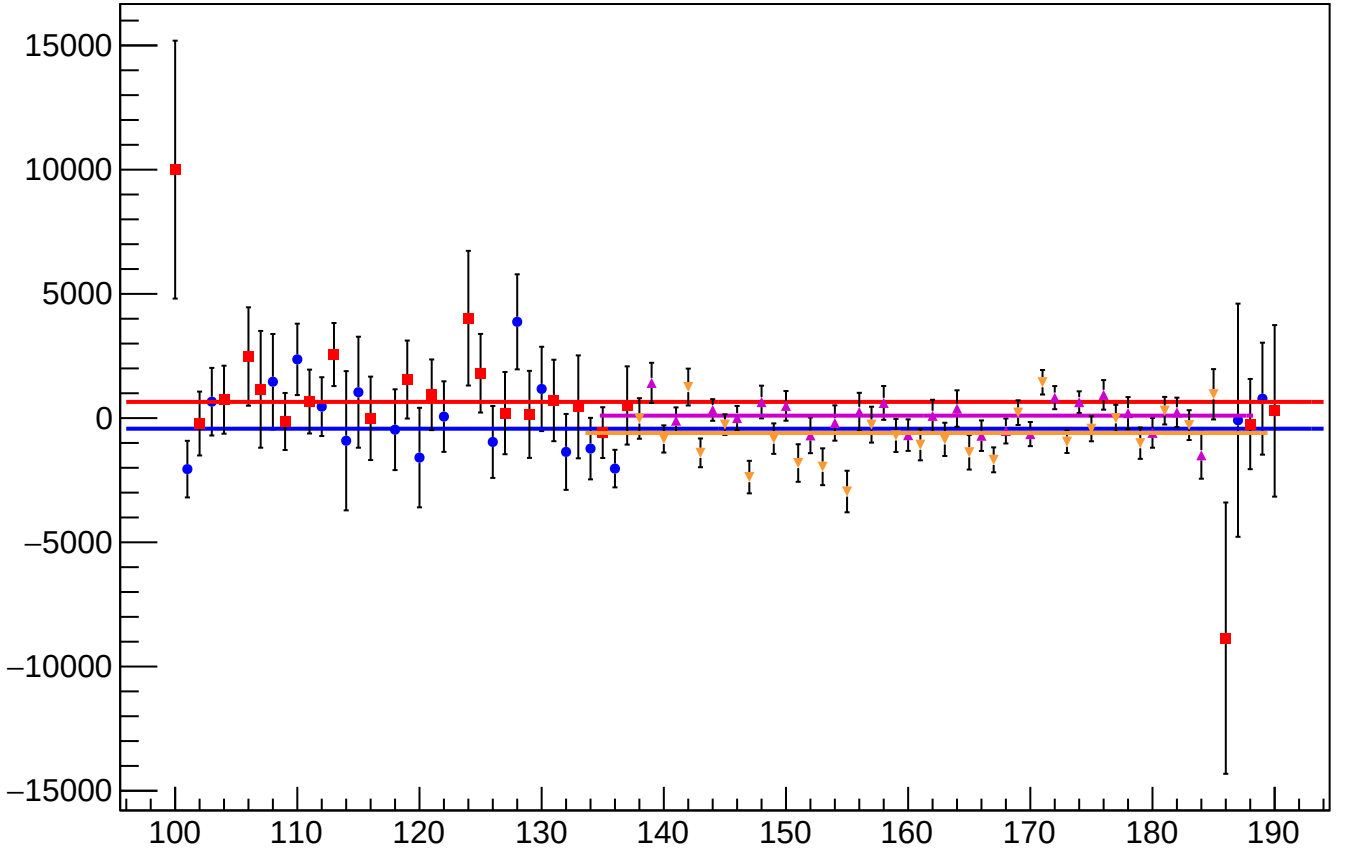
Right: 83.047+/-0.015 χ^2/NDF: 2550466.1/39

In: 76.796+/-0.011 χ^2/NDF:2184795.4/40

Out: 77.468+/-0.011 χ^2/NDF:3549125.7/46

All: 77.139+/-0.008 χ^2/NDF: 5735830.8/87

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -427.023+/-344.990 χ^2/NDF: 20.6/17

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 651.748+/-343.704 χ^2/NDF: 14.9/21

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

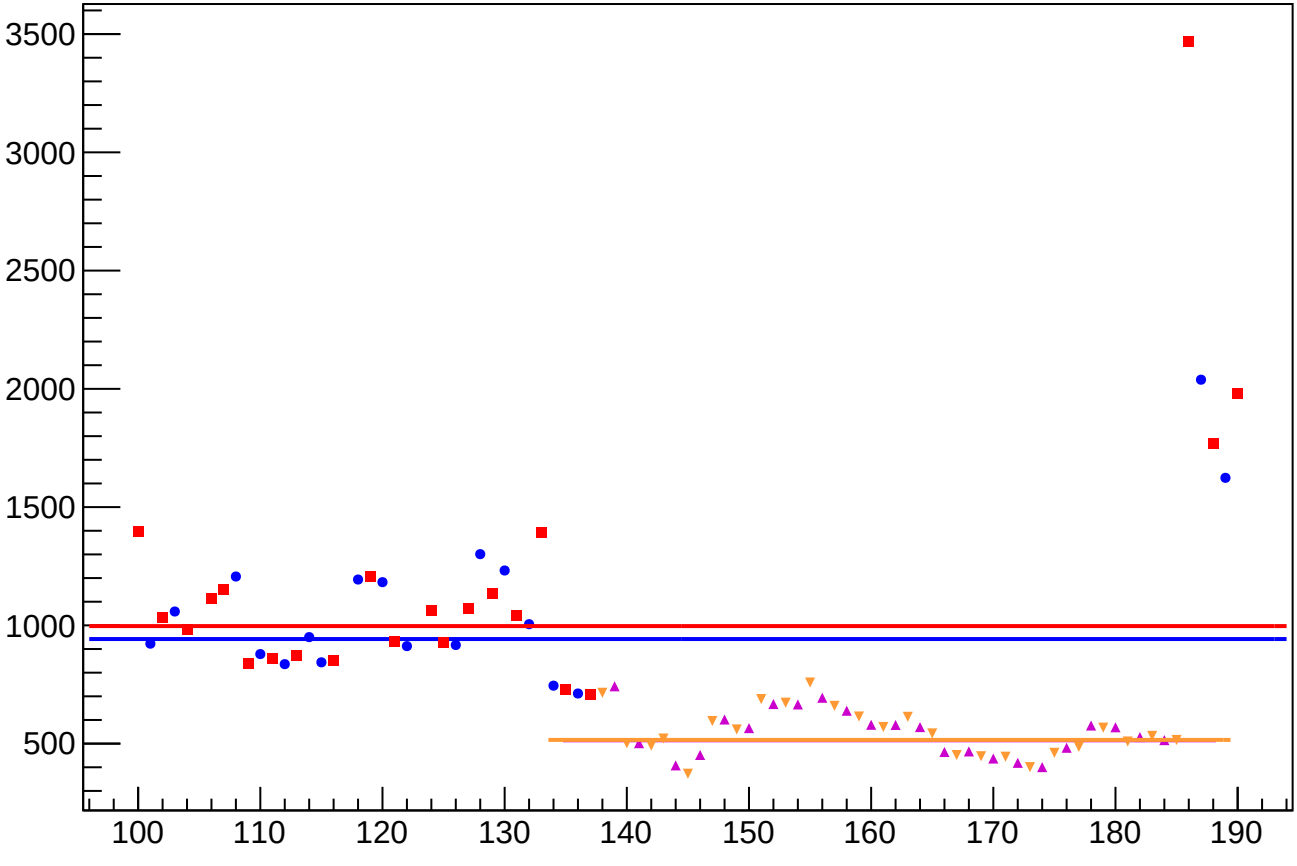
Right: 114.376+/-243.489 χ^2/NDF: 40.3/39

In: 40.356+/-115.280 χ^2/NDF:46.3/40

Out: -464.311+/-112.724 χ^2/NDF:91.7/46

All: -217.635+/-80.596 χ^2/NDF: 147.9/87

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 942.189+/-0.244 χ^2/NDF: 815912.7/17

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 996.955+/-0.243 χ^2/NDF: 1399545.9/21

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

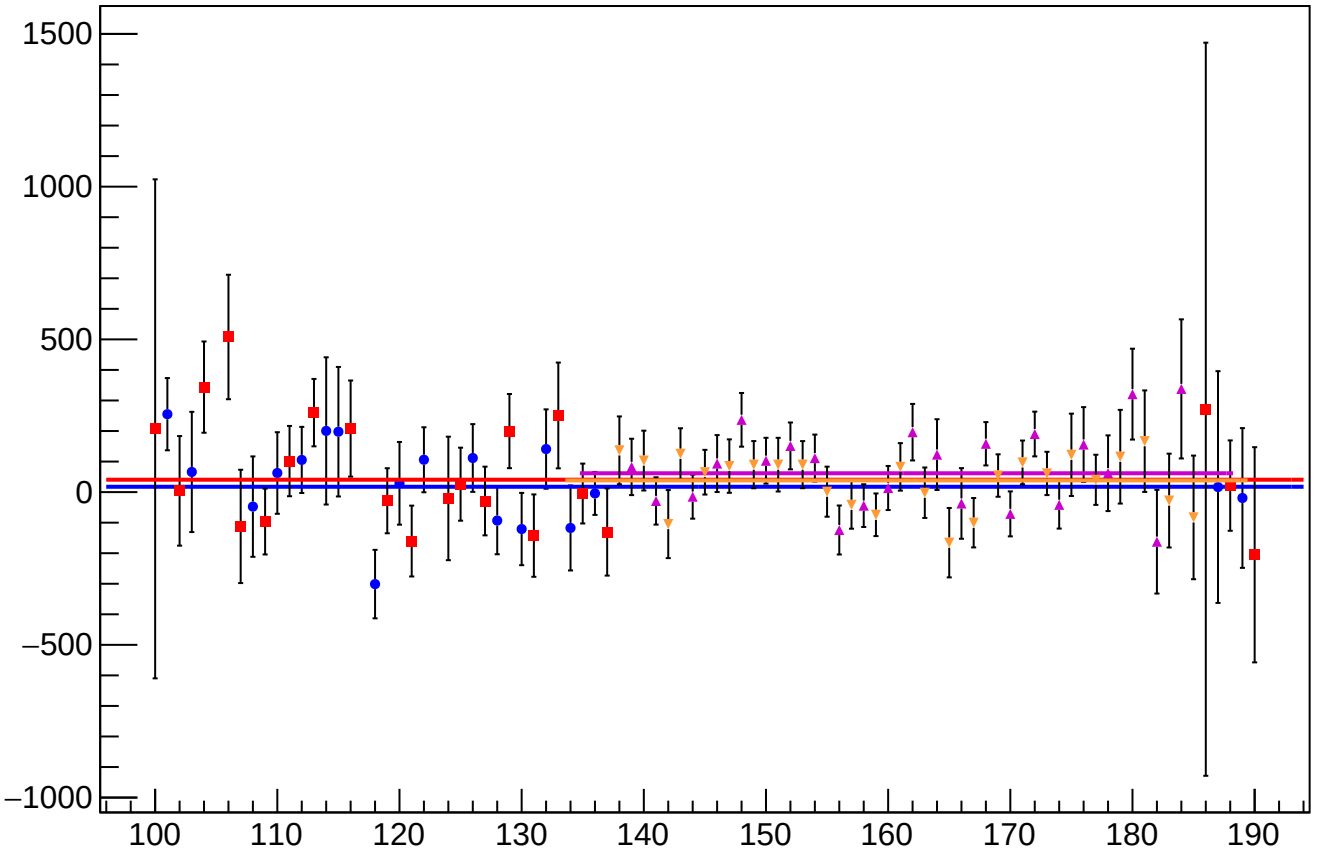
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 969.674+/-0.172 χ^2/NDF: 2240752.4/39

In: 561.889+/-0.082 χ^2/NDF:4668636.1/40

Out: 567.520+/-0.080 χ^2/NDF:6130477.2/46

All: 564.768+/-0.057 χ^2/NDF: 10801552.7/87



Right In: 17.523+/-29.989 χ^2/NDF: 20.2/17

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 40.598+/-29.948 χ^2/NDF: 28.3/21

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

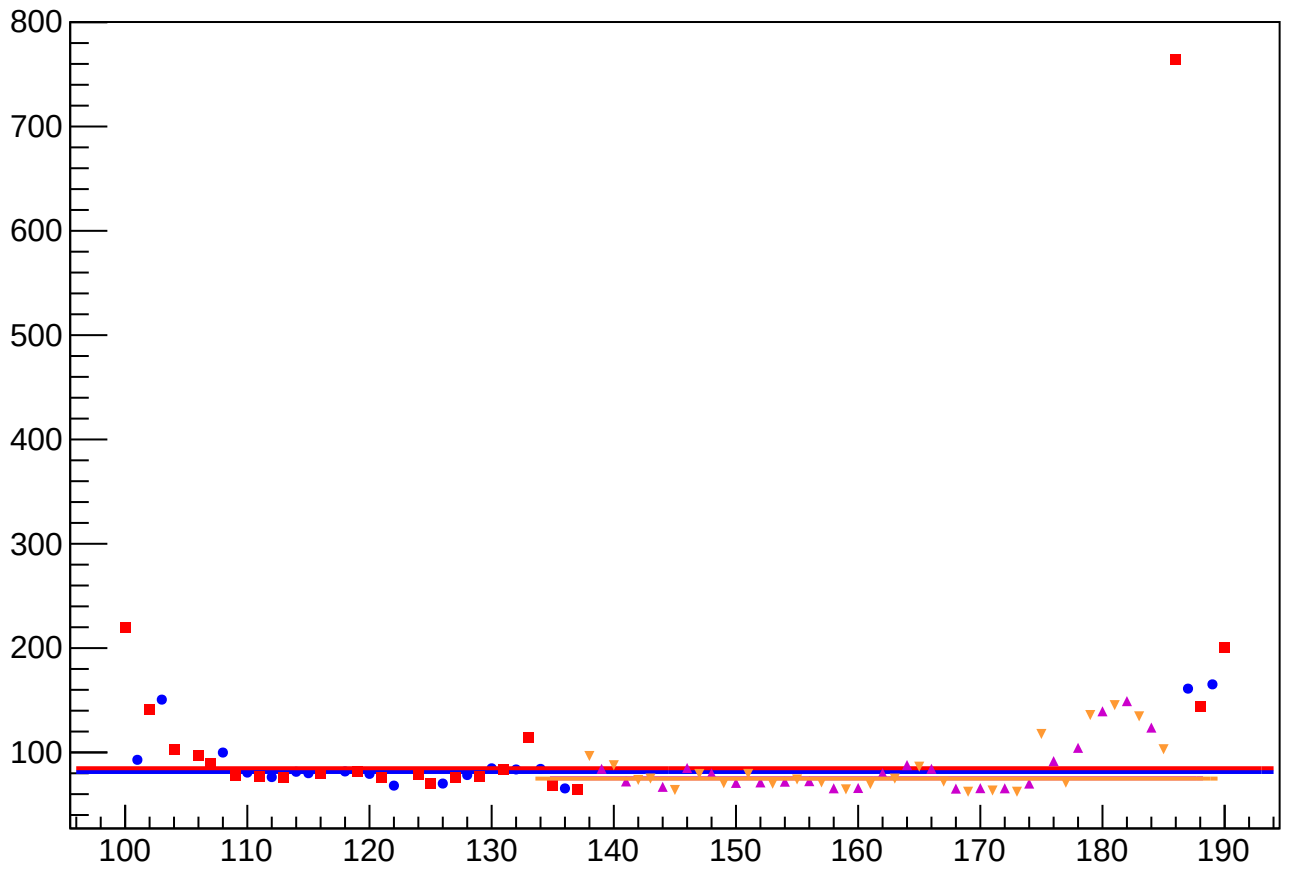
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 29.076+/-21.191 χ^2/NDF: 48.7/39

In: 49.833+/-15.554 χ^2/NDF:58.5/40

Out: 38.880+/-15.218 χ^2/NDF:47.1/46

All: 44.237+/-10.878 χ^2/NDF: 105.8/87



Right In: 81.252+/-0.021 χ^2/NDF: 811828.6/17

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 84.837+/-0.021 χ^2/NDF: 1724344.6/21

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

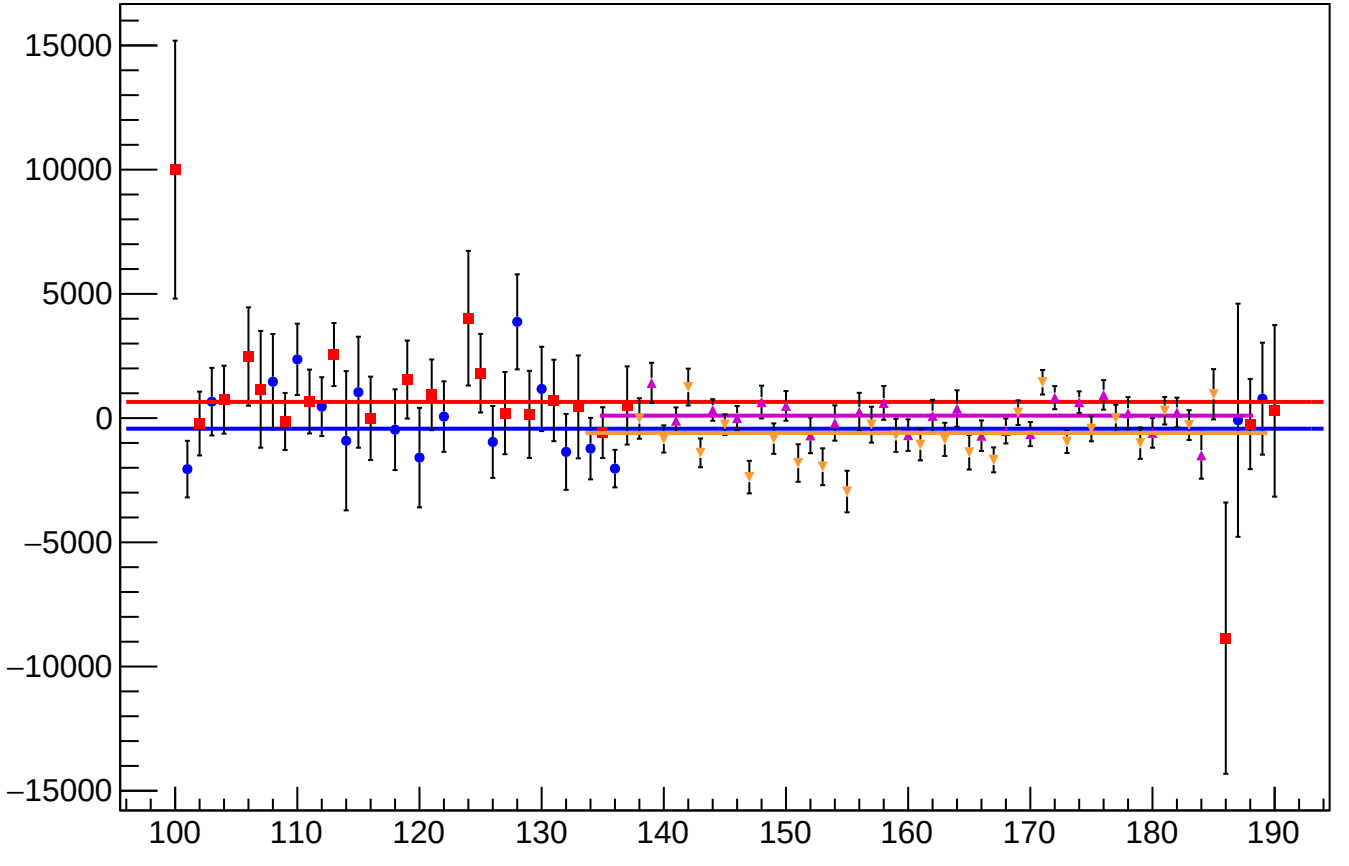
Right: 83.047+/-0.015 χ^2/NDF: 2550482.6/39

In: 76.796+/-0.011 χ^2/NDF:2184770.6/40

Out: 77.468+/-0.011 χ^2/NDF:3549126.4/46

All: 77.139+/-0.008 χ^2/NDF: 5735806.7/87

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -427.020+/-344.989 χ^2/NDF: 20.6/17

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 651.747+/-343.704 χ^2/NDF: 14.9/21

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

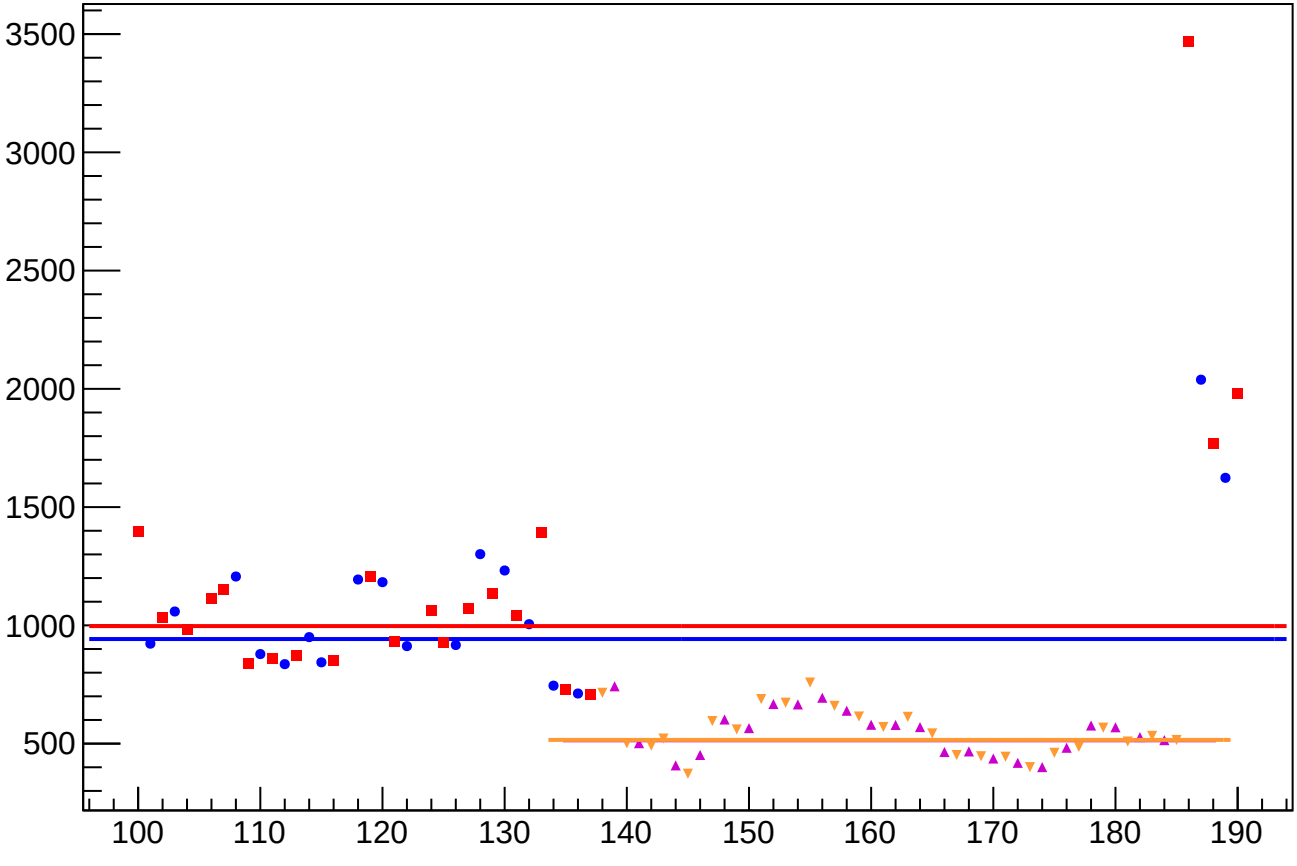
Right: 114.377+/-243.488 χ^2/NDF: 40.3/39

In: 40.355+/-115.280 χ^2/NDF:46.3/40

Out: -464.310+/-112.724 χ^2/NDF:91.7/46

All: -217.634+/-80.596 χ^2/NDF: 147.9/87

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 942.187+/-0.244 χ^2/NDF: 815913.6/17

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 996.952+/-0.243 χ^2/NDF: 1399548.1/21

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

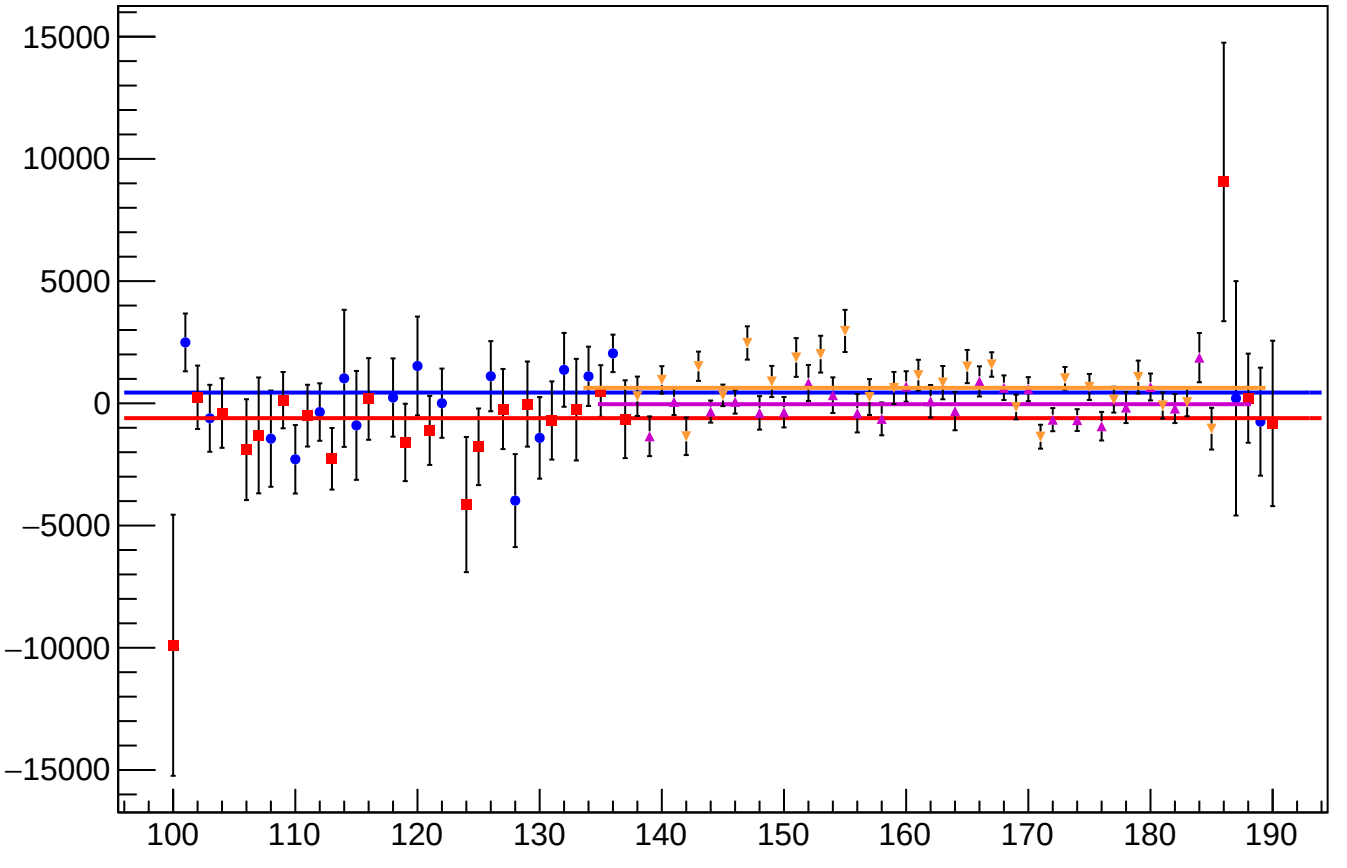
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 969.672+/-0.172 χ^2/NDF: 2240755.3/39

In: 561.888+/-0.082 χ^2/NDF:4668631.6/40

Out: 567.519+/-0.080 χ^2/NDF:6130477.4/46

All: 564.767+/-0.057 χ^2/NDF: 10801548.3/87



Right In: 440.825+/-345.153 χ^2/NDF: 21.8/17

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -606.586+/-345.531 χ^2/NDF: 13.4/21

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

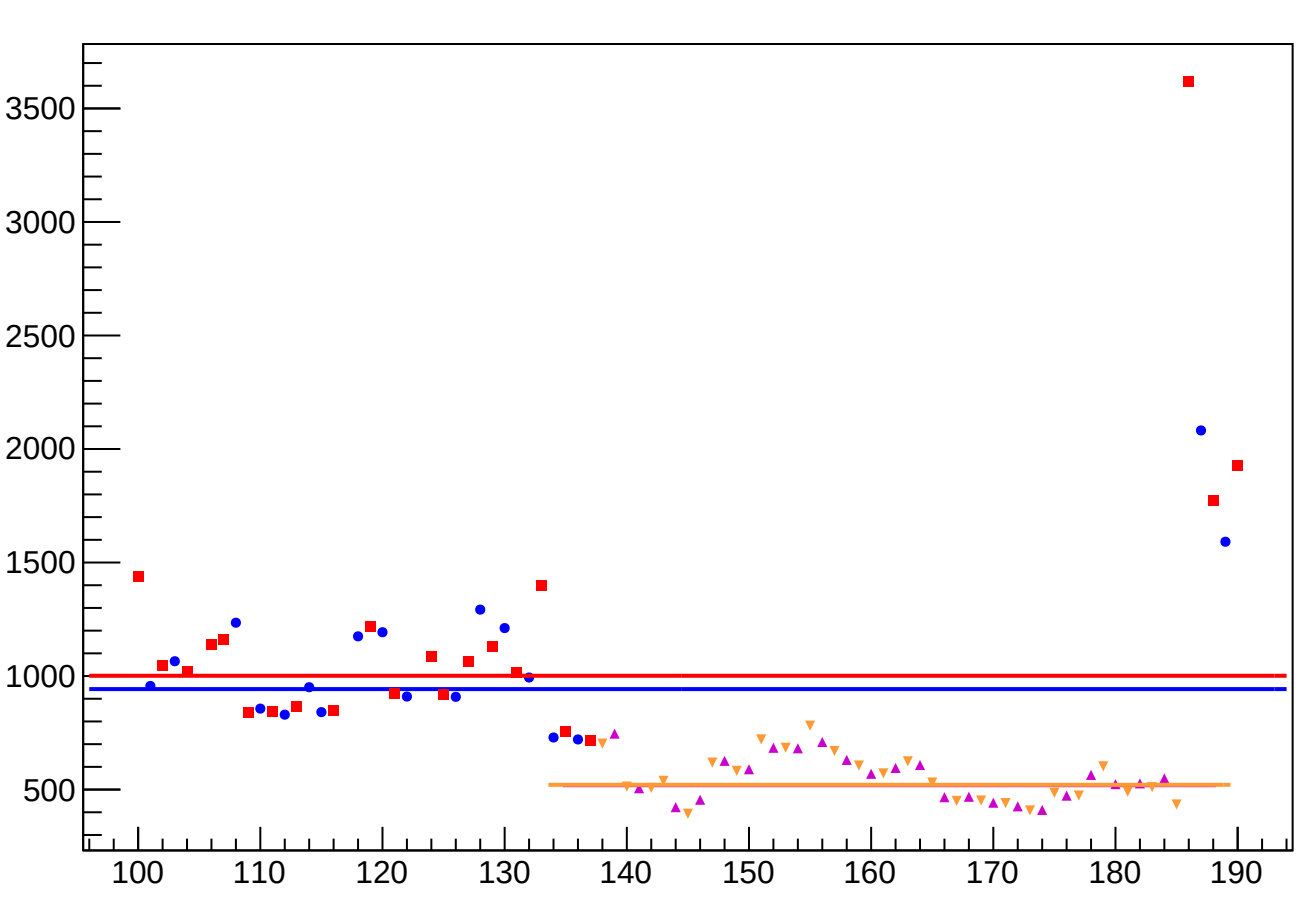
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -82.307+/-244.193 χ^2/NDF: 39.8/39

In: 19.189+/-116.295 χ^2/NDF:48.6/40

Out: 499.748+/-113.962 χ^2/NDF:89.4/46

All: 264.337+/-81.396 χ^2/NDF: 146.7/87



Right In: 942.537+/-0.244 χ^2/NDF: 802432.9/17

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1001.271+/-0.244 χ^2/NDF: 1386867.8/21

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

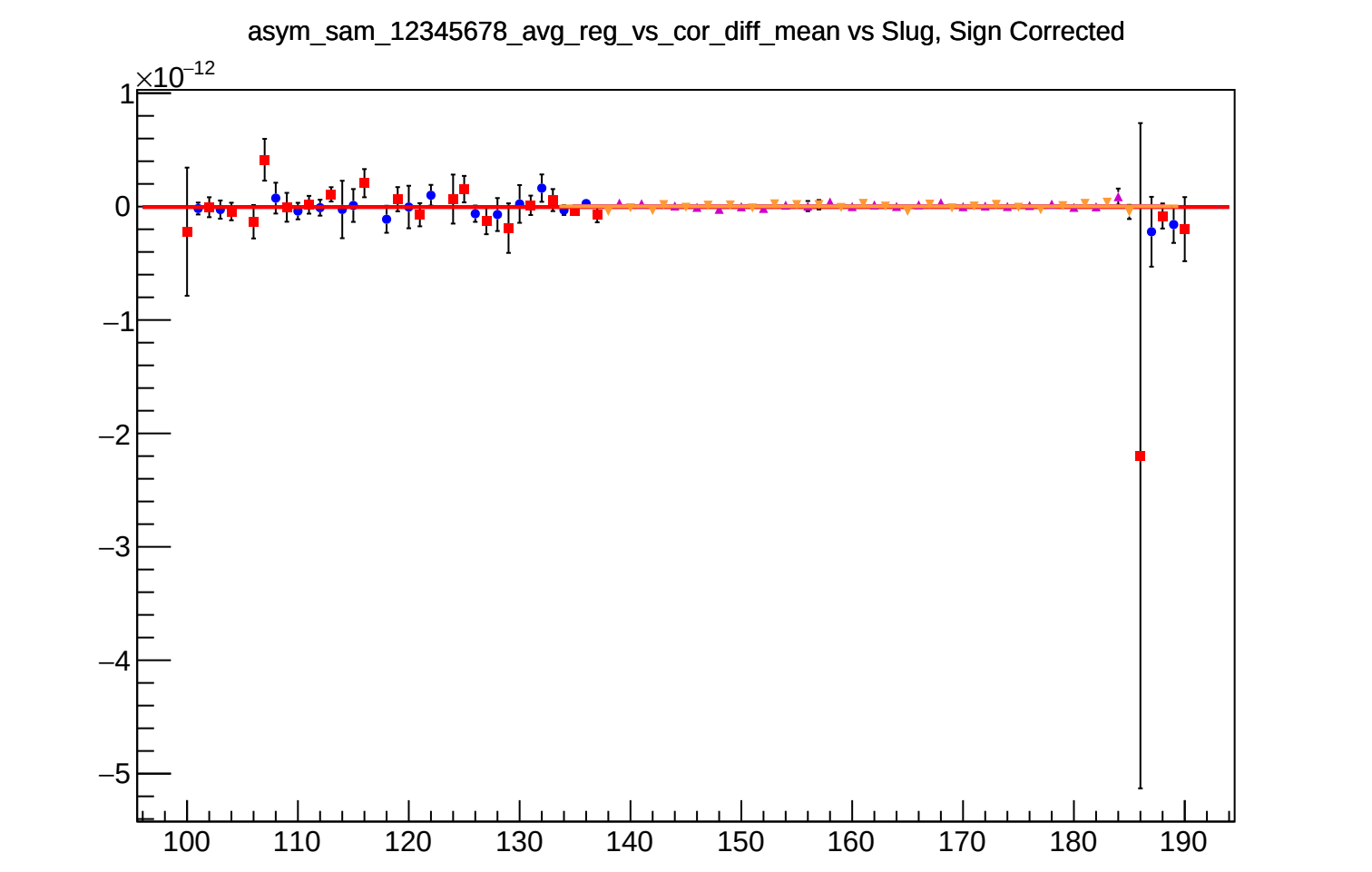
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 971.872+/-0.173 χ^2/NDF: 2218226.4/39

In: 567.295+/-0.082 χ^2/NDF:4569628.8/40

Out: 573.266+/-0.081 χ^2/NDF:6073125.2/46

All: 570.341+/-0.058 χ^2/NDF: 10645443.6/87



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/21

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

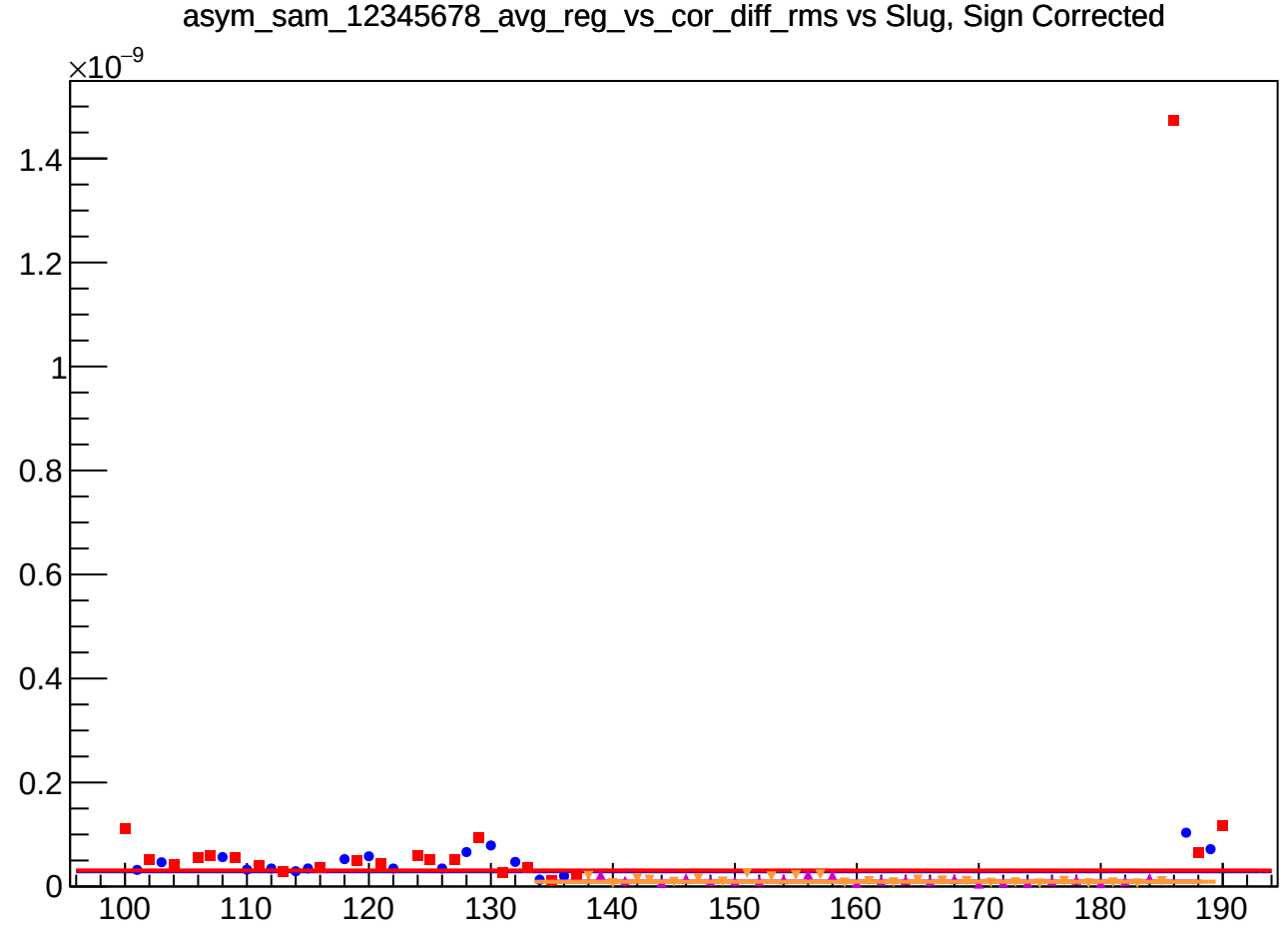
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 29.4/39

In: 0.000+/-0.000 χ^2/NDF:19.5/40

Out: 0.000+/-0.000 χ^2/NDF:43.5/46

All: 0.000+/-0.000 χ^2/NDF: 63.2/87



Right In: 0.000+/-0.000 χ^2/NDF: 1409847.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2532077.7/21

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

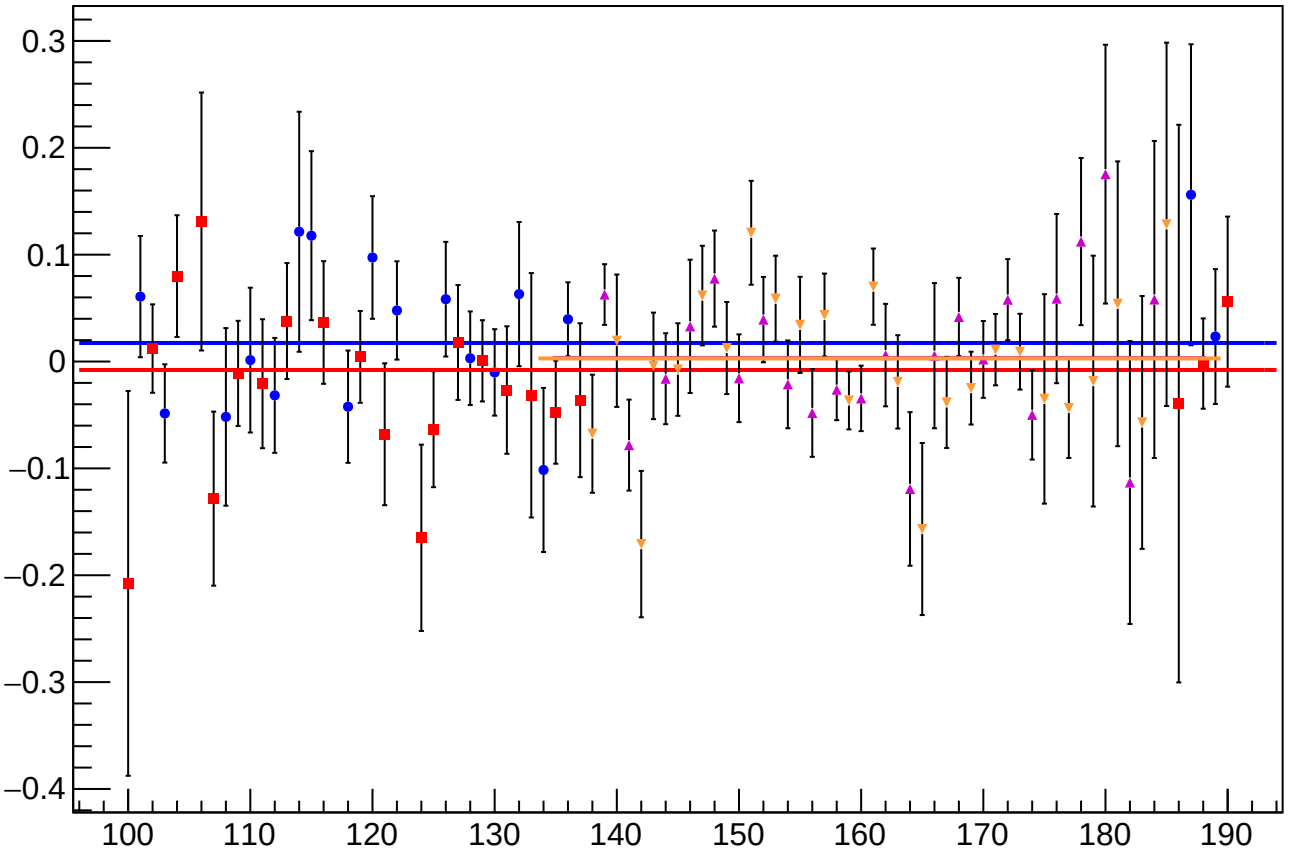
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3949778.7/39

In: 0.000+/-0.000 χ^2/NDF:5397781.9/40

Out: 0.000+/-0.000 χ^2/NDF:7182634.1/46

All: 0.000+/-0.000 χ^2/NDF: 12598313.1/87



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.008+/-0.012 χ^2/NDF: 15.8/21

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

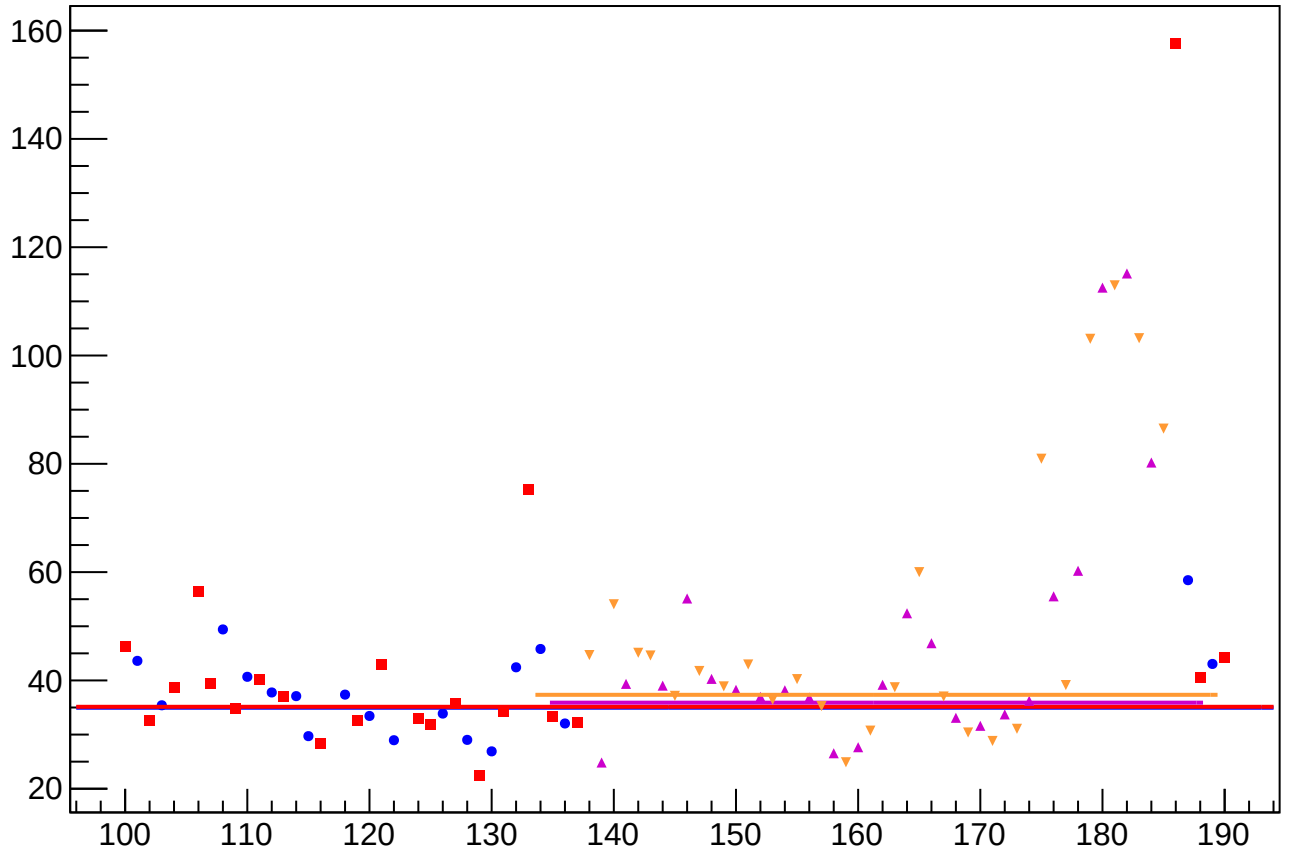
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.004+/-0.009 χ^2/NDF: 33.6/39

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:49.2/46

All: 0.003+/-0.005 χ^2/NDF: 96.3/87



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 35.130+/-0.009 χ^2/NDF: 1154194.3/21

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

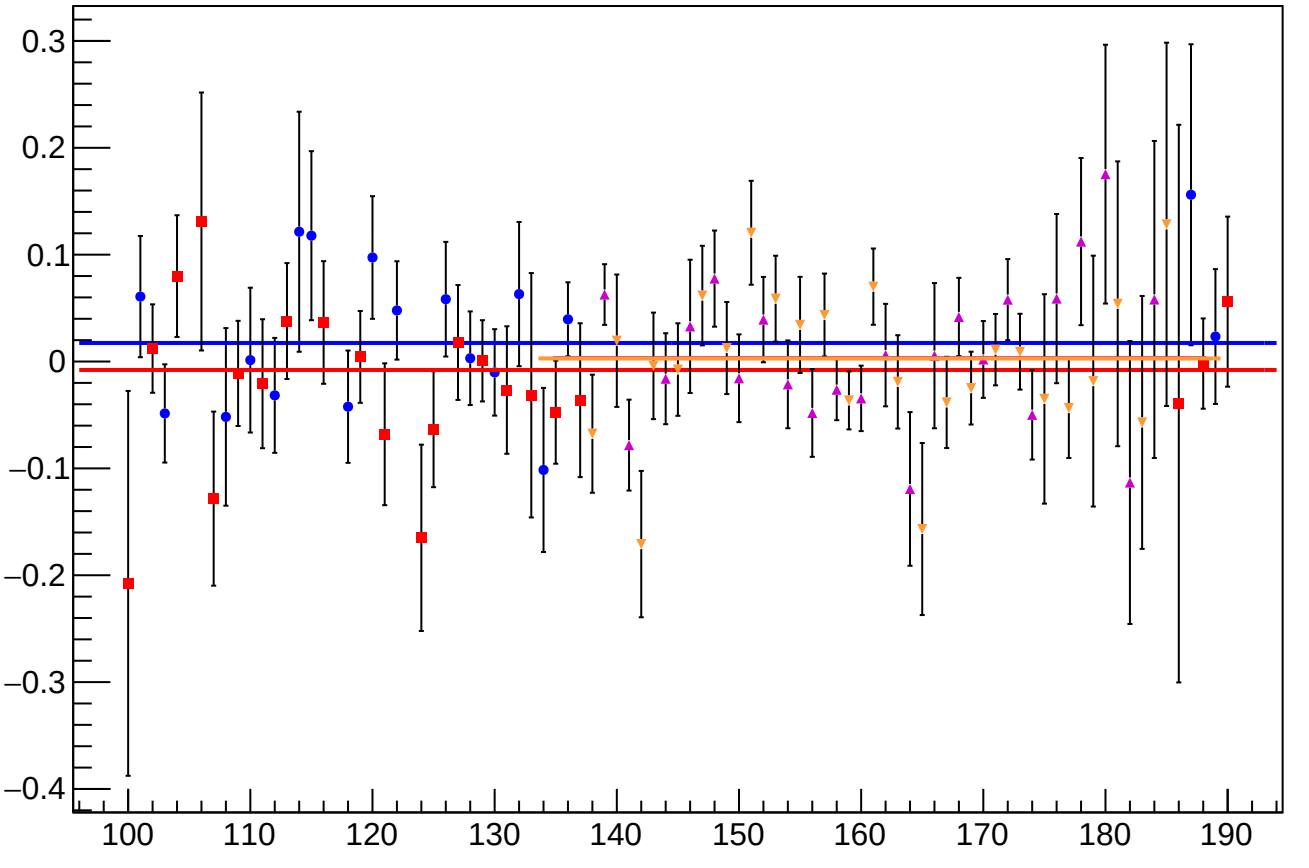
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 35.049+/-0.006 χ^2/NDF: 1614754.0/39

In: 35.587+/-0.005 χ^2/NDF:3605576.3/40

Out: 36.554+/-0.005 χ^2/NDF:4891611.7/46

All: 36.075+/-0.004 χ^2/NDF: 8514006.9/87



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.008+/-0.012 χ^2/NDF: 15.8/21

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

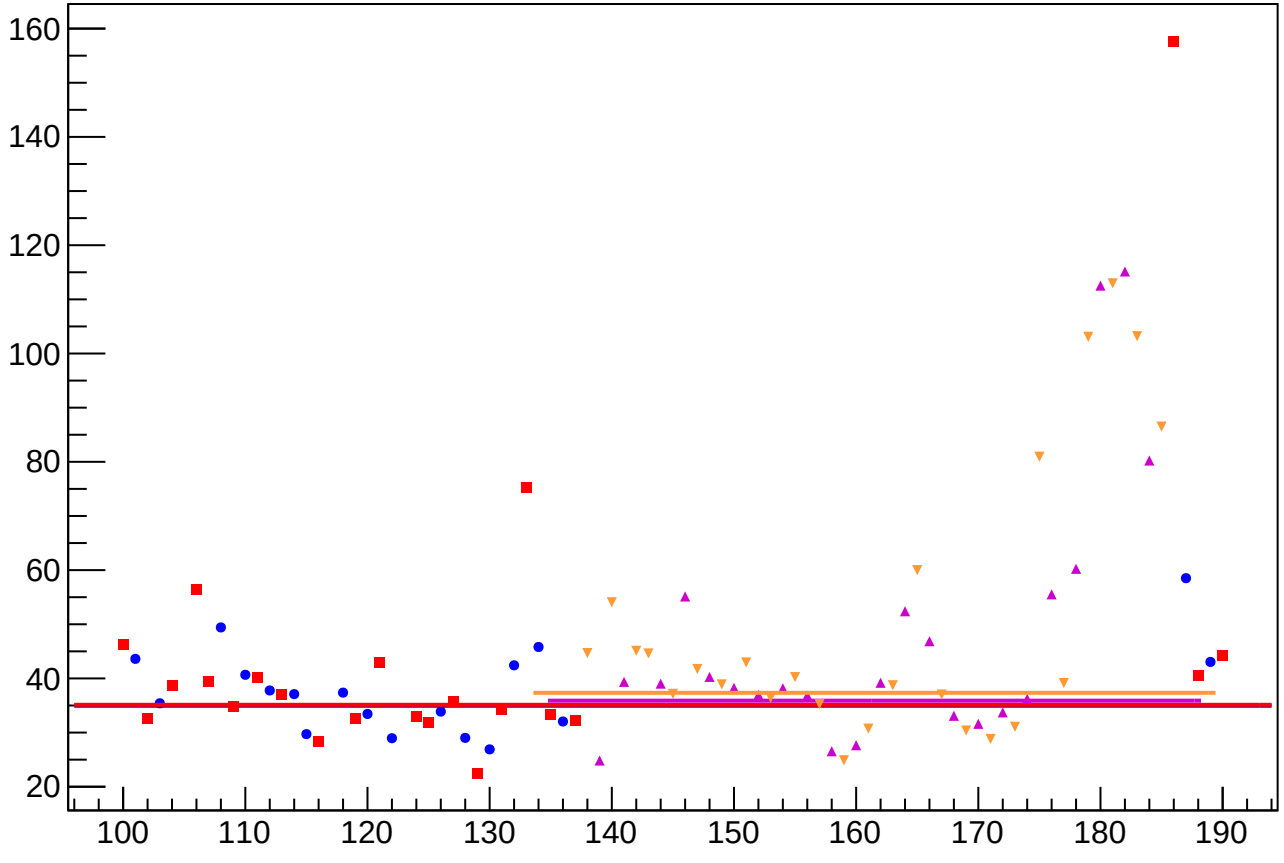
Right: 0.004+/-0.009 χ^2/NDF: 33.6/39

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:49.2/46

All: 0.003+/-0.005 χ^2/NDF: 96.3/87

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 35.130+/-0.009 χ^2/NDF: 1154194.3/21

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

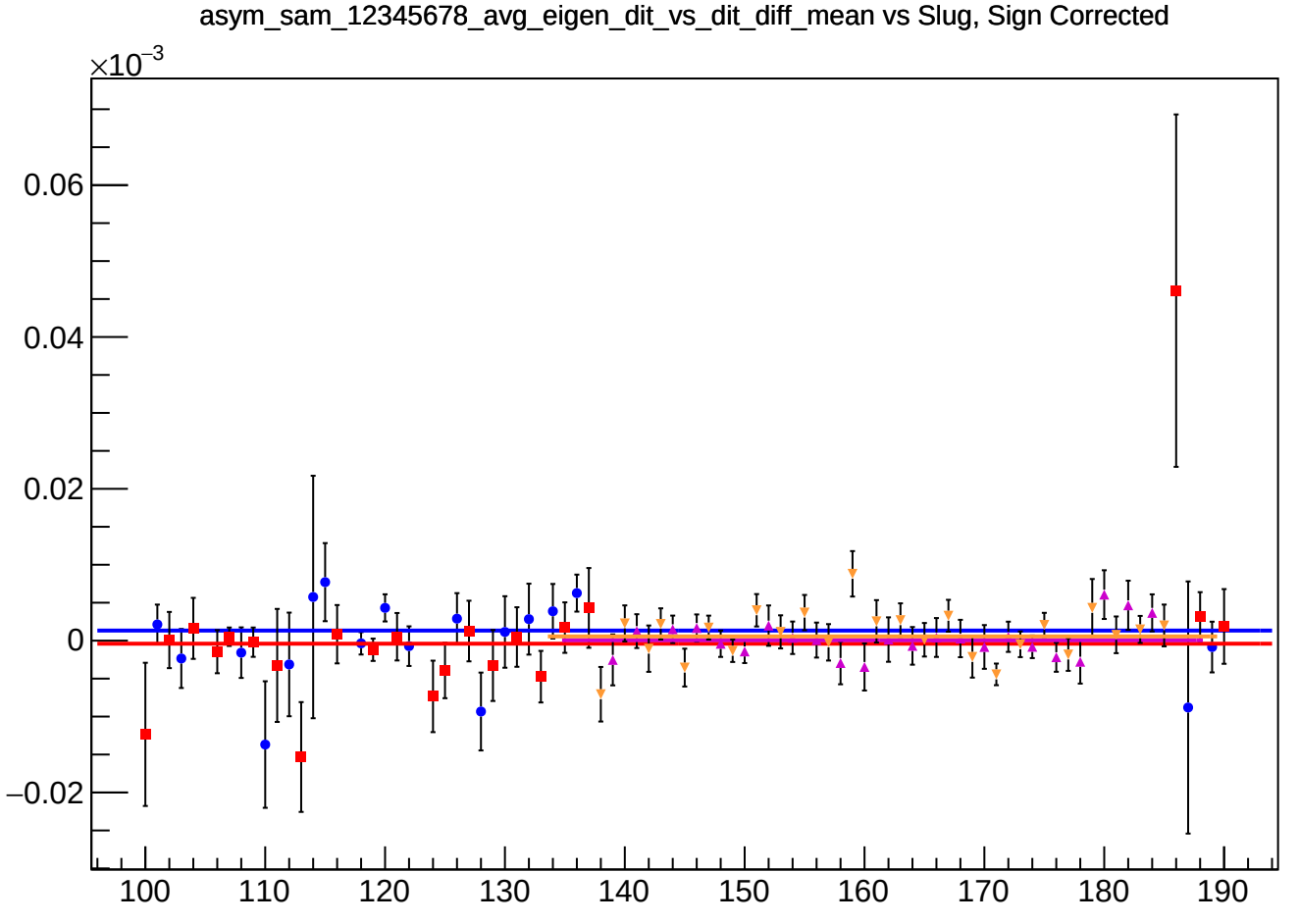
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 35.049+/-0.006 χ^2/NDF: 1614754.0/39

In: 35.587+/-0.005 χ^2/NDF:3605576.3/40

Out: 36.554+/-0.005 χ^2/NDF:4891611.7/46

All: 36.075+/-0.004 χ^2/NDF: 8514006.9/87



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/21

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

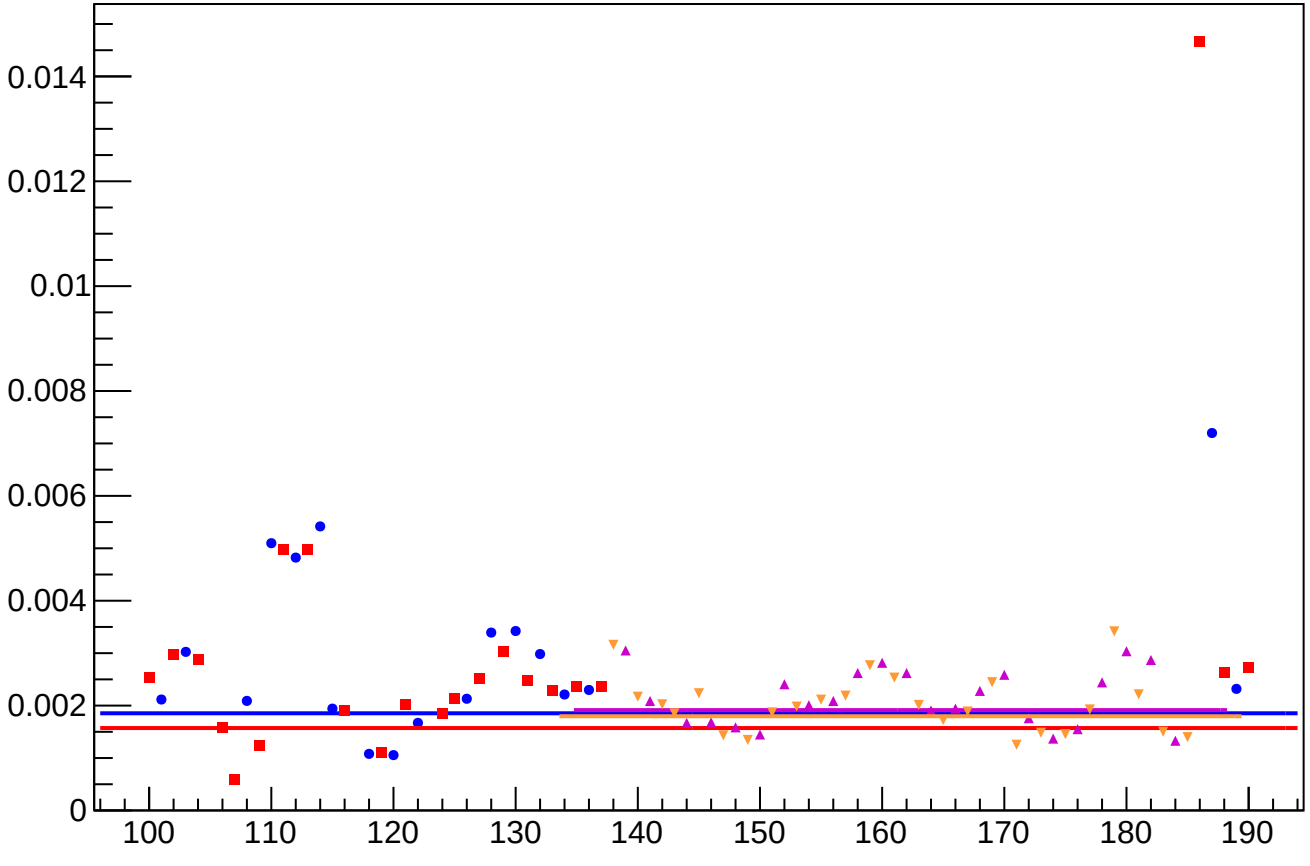
Right: 0.000+/-0.000 χ^2/NDF: 44.5/39

In: 0.000+/-0.000 χ^2/NDF:40.9/40

Out: 0.000+/-0.000 χ^2/NDF:64.6/46

All: 0.000+/-0.000 χ^2/NDF: 105.6/87

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2820606.0/17

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4673699.6/21

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

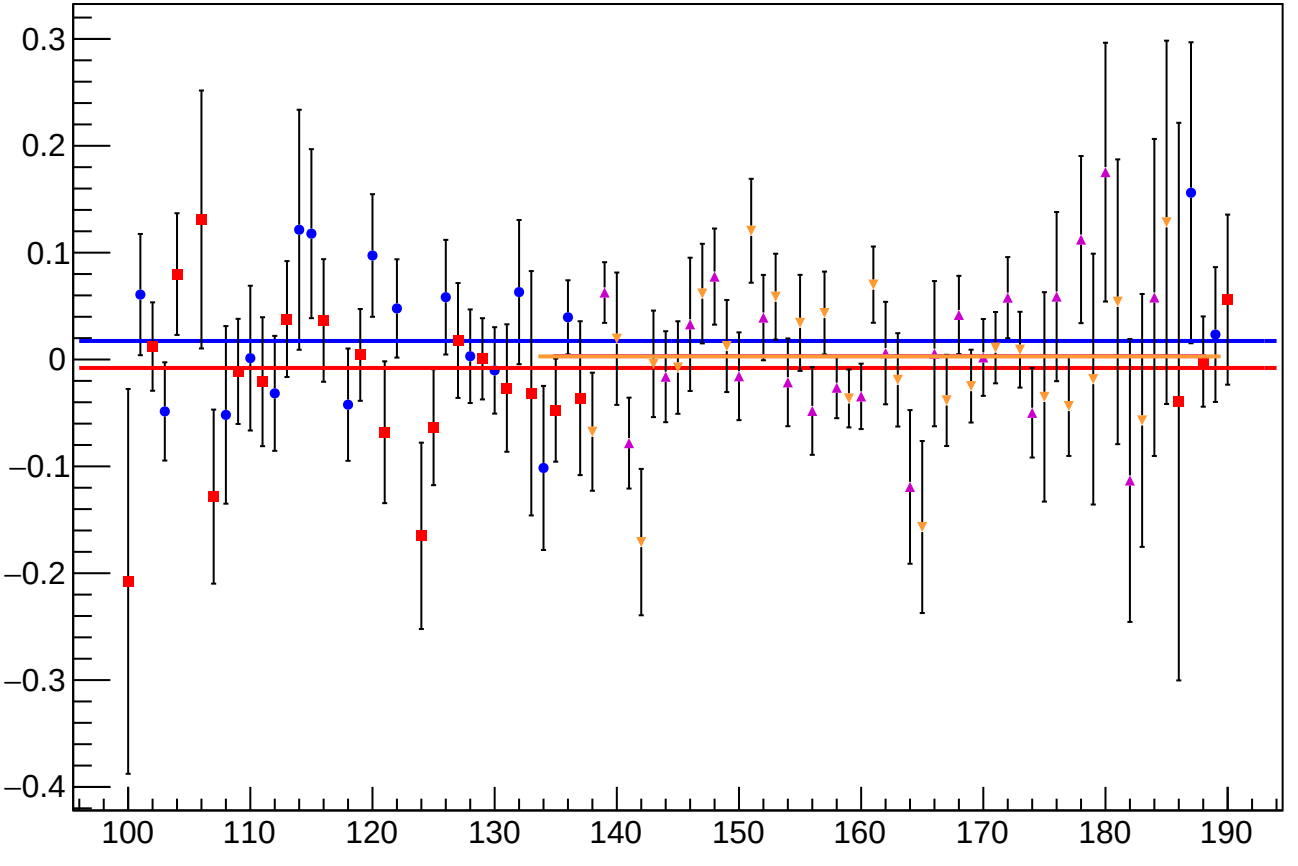
Right: 0.002+/-0.000 χ^2/NDF: 7663986.0/39

In: 0.002+/-0.000 χ^2/NDF:5002050.2/40

Out: 0.002+/-0.000 χ^2/NDF:7128990.4/46

All: 0.002+/-0.000 χ^2/NDF: 12339174.0/87

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.008+/-0.012 χ^2/NDF: 15.8/21

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

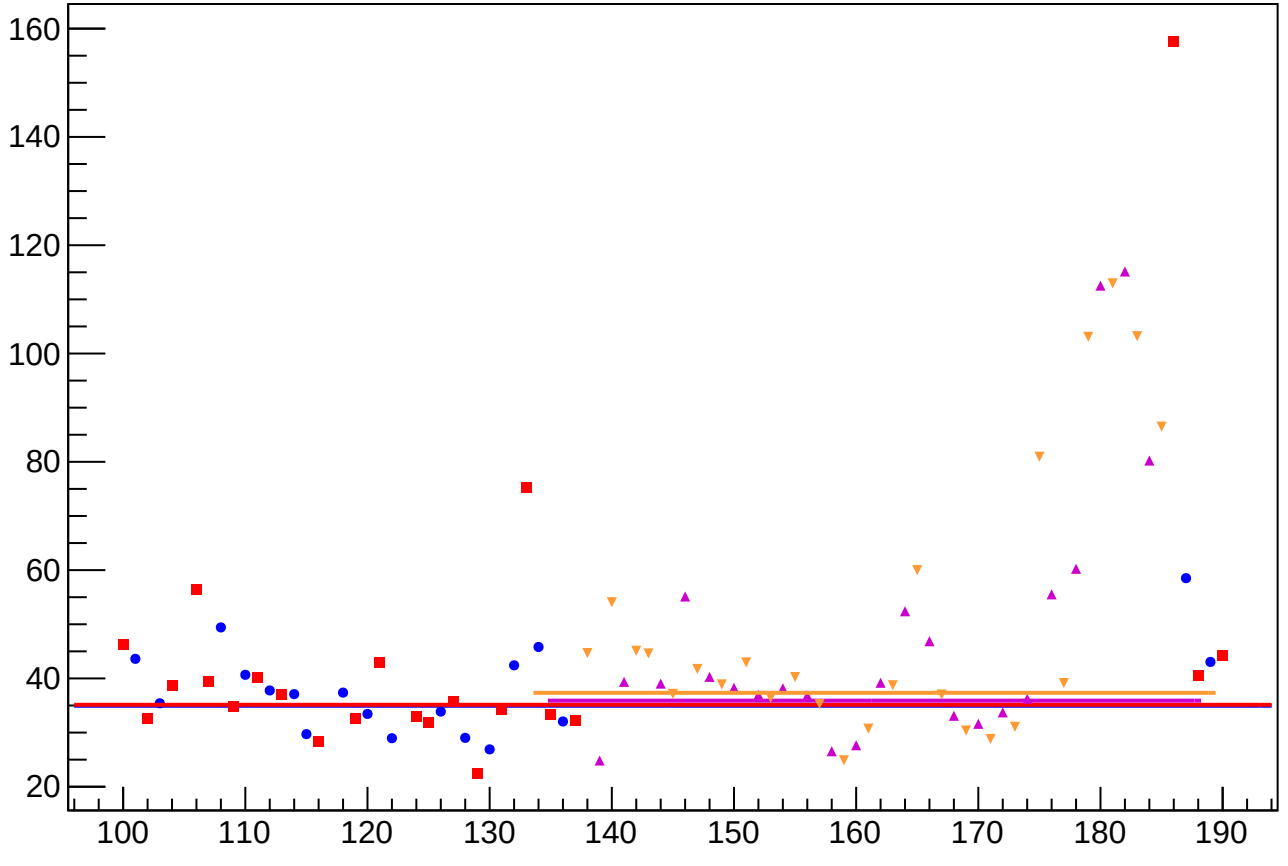
Right: 0.004+/-0.009 χ^2/NDF: 33.6/39

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:49.2/46

All: 0.003+/-0.005 χ^2/NDF: 96.3/87

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 35.130+/-0.009 χ^2/NDF: 1154274.5/21

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

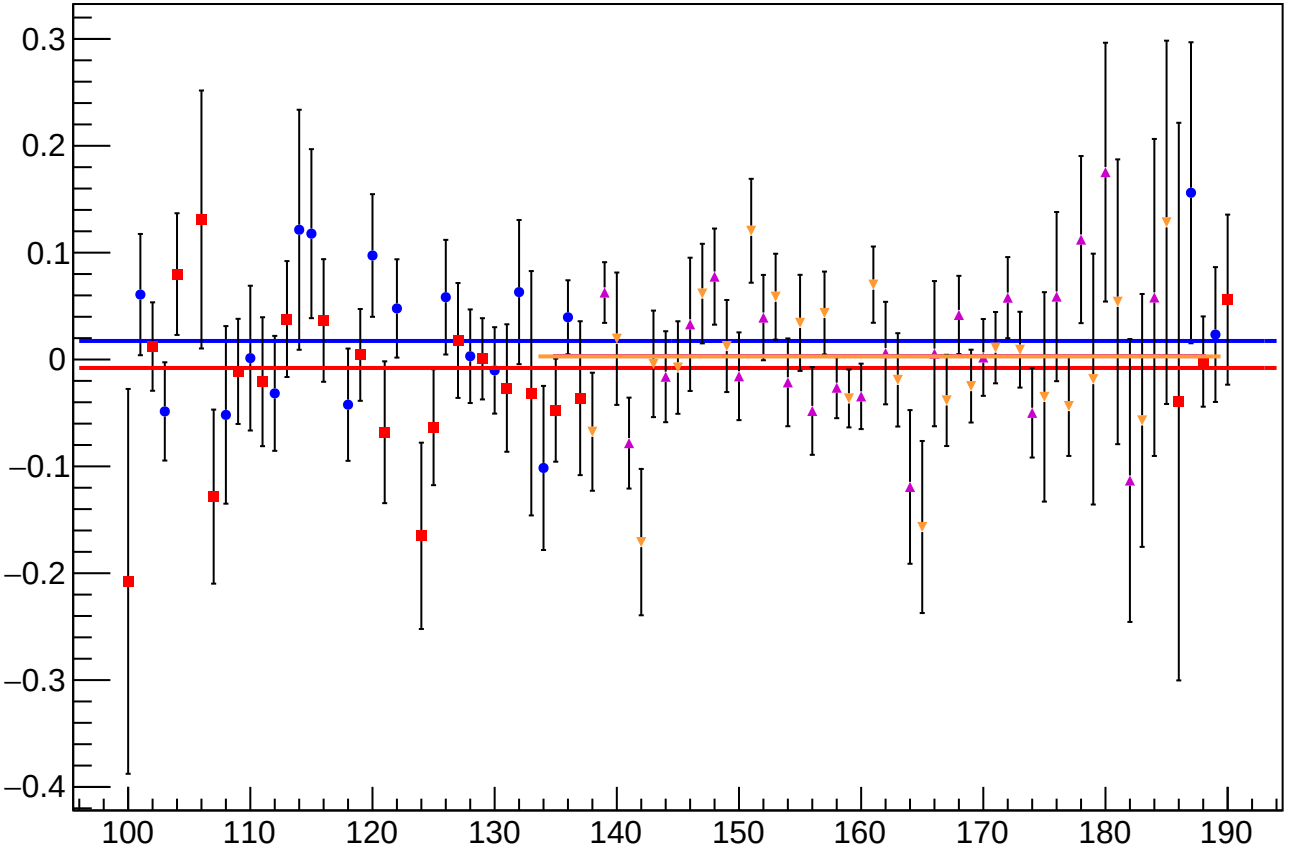
Right: 35.048+/-0.006 χ^2/NDF: 1614905.9/39

In: 35.587+/-0.005 χ^2/NDF:3605679.0/40

Out: 36.554+/-0.005 χ^2/NDF:4891765.2/46

All: 36.075+/-0.004 χ^2/NDF: 8514263.8/87

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.008+/-0.012 χ^2/NDF: 15.8/21

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

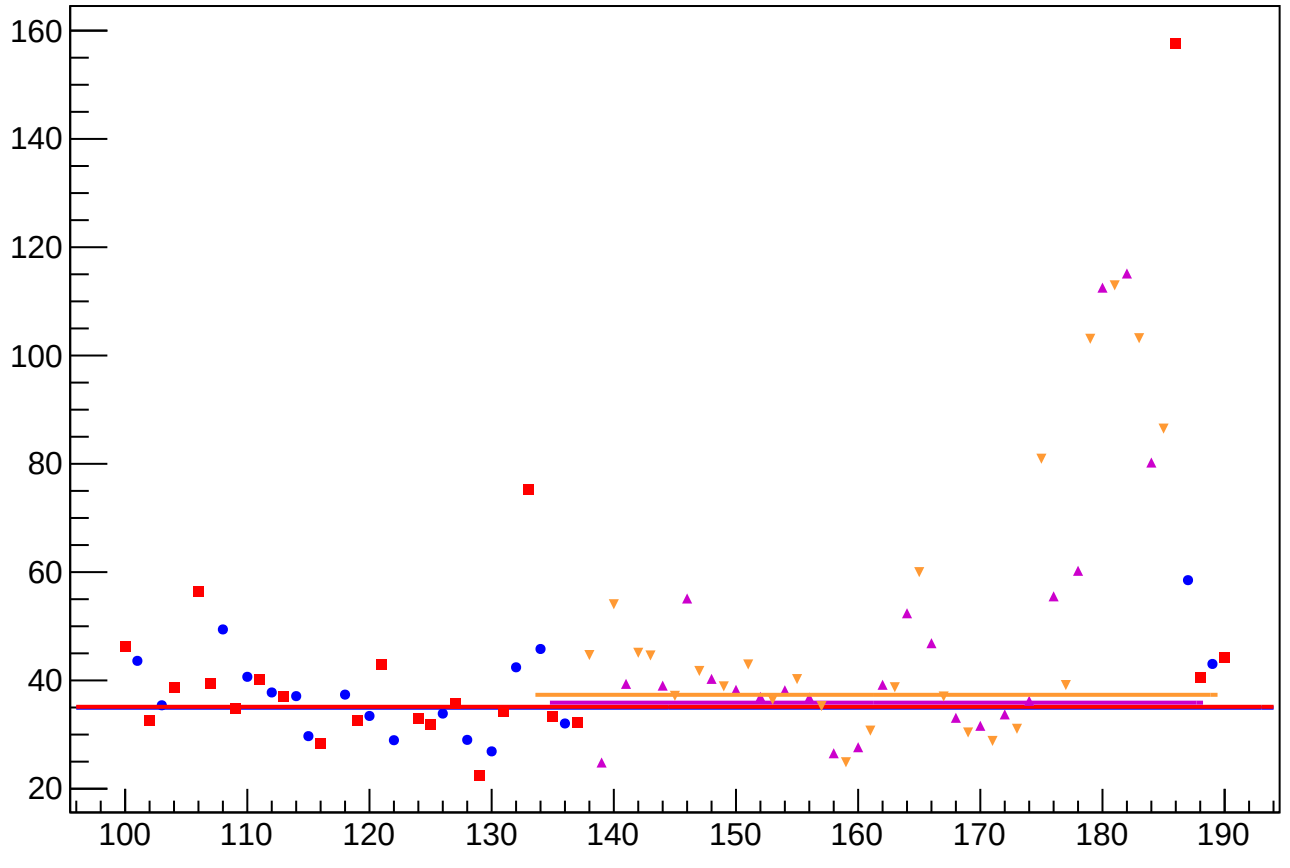
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.004+/-0.009 χ^2/NDF: 33.6/39

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:49.2/46

All: 0.003+/-0.005 χ^2/NDF: 96.3/87



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 35.130+/-0.009 χ^2/NDF: 1154274.5/21

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

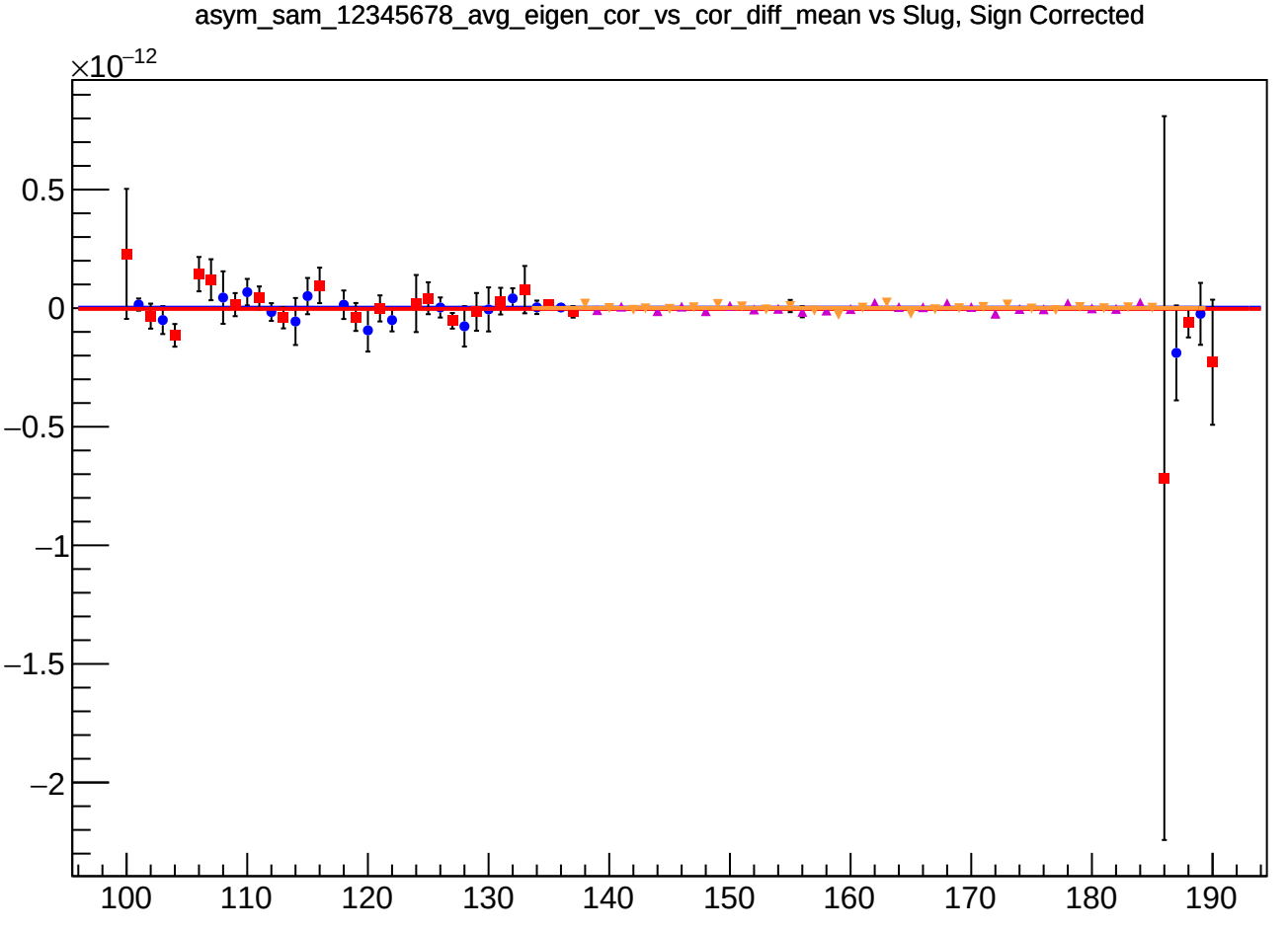
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 35.048+/-0.006 χ^2/NDF: 1614905.9/39

In: 35.587+/-0.005 χ^2/NDF:3605679.0/40

Out: 36.554+/-0.005 χ^2/NDF:4891765.2/46

All: 36.075+/-0.004 χ^2/NDF: 8514263.8/87



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/21

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

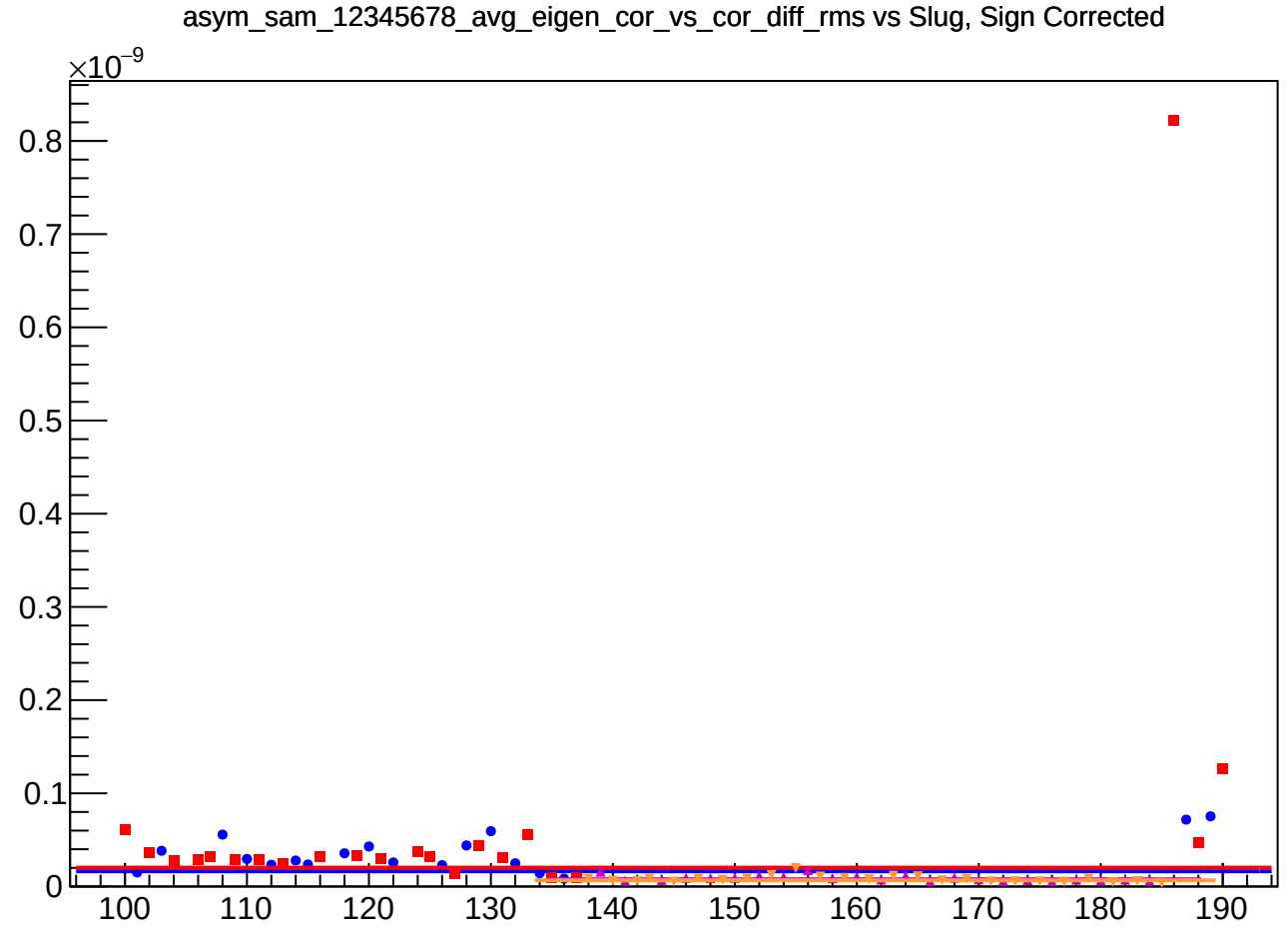
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: -0.000+/-0.000 χ^2/NDF: 32.1/39

In: 0.000+/-0.000 χ^2/NDF:37.9/40

Out: 0.000+/-0.000 χ^2/NDF:44.8/46

All: 0.000+/-0.000 χ^2/NDF: 82.7/87



Right In: 0.000+/-0.000 χ^2/NDF: 3386838.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3697798.1/21

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

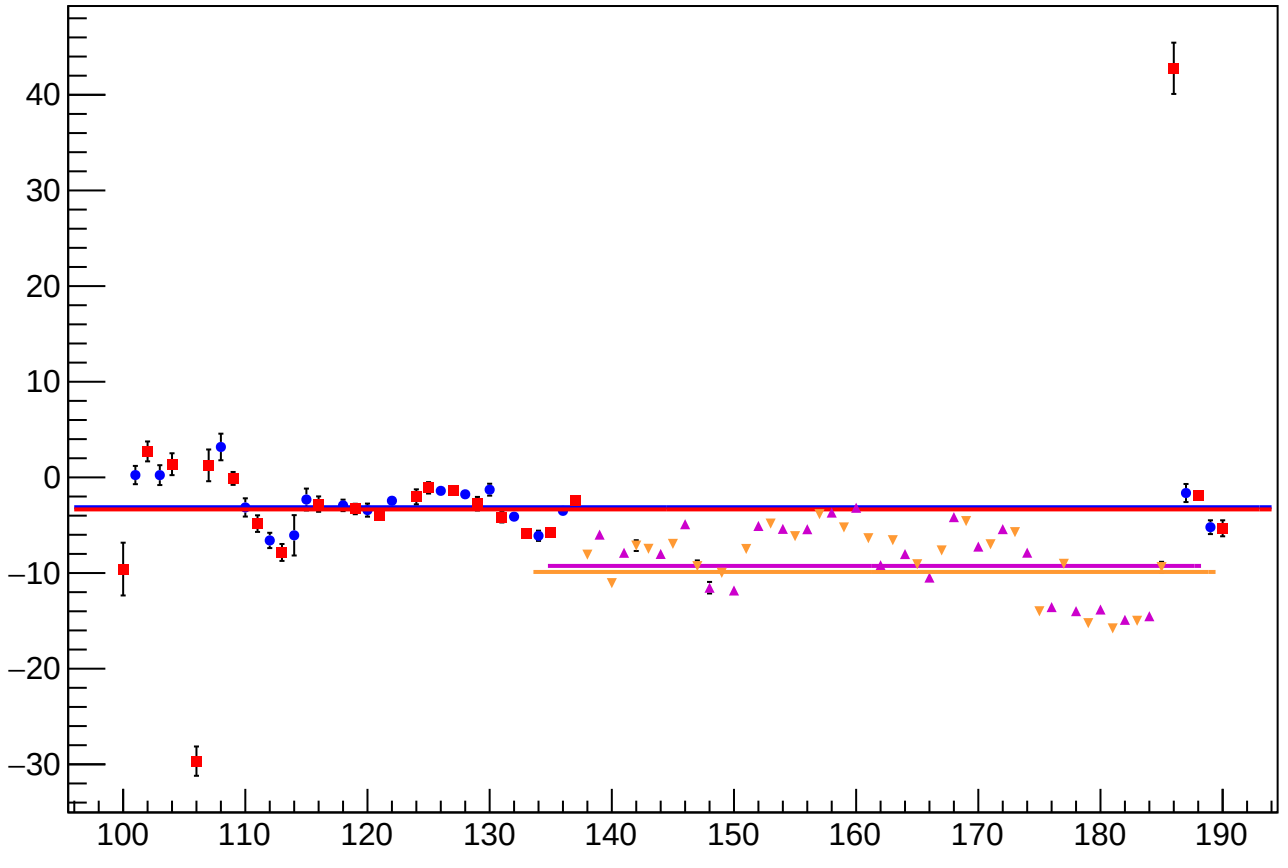
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7253437.3/39

In: 0.000+/-0.000 χ^2/NDF:6783882.6/40

Out: 0.000+/-0.000 χ^2/NDF:9348278.7/46

All: 0.000+/-0.000 χ^2/NDF: 16410567.6/87



Right In: -3.119+/-0.132 χ^2/NDF: 144.7/17

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.348+/-0.127 χ^2/NDF: 861.8/21

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

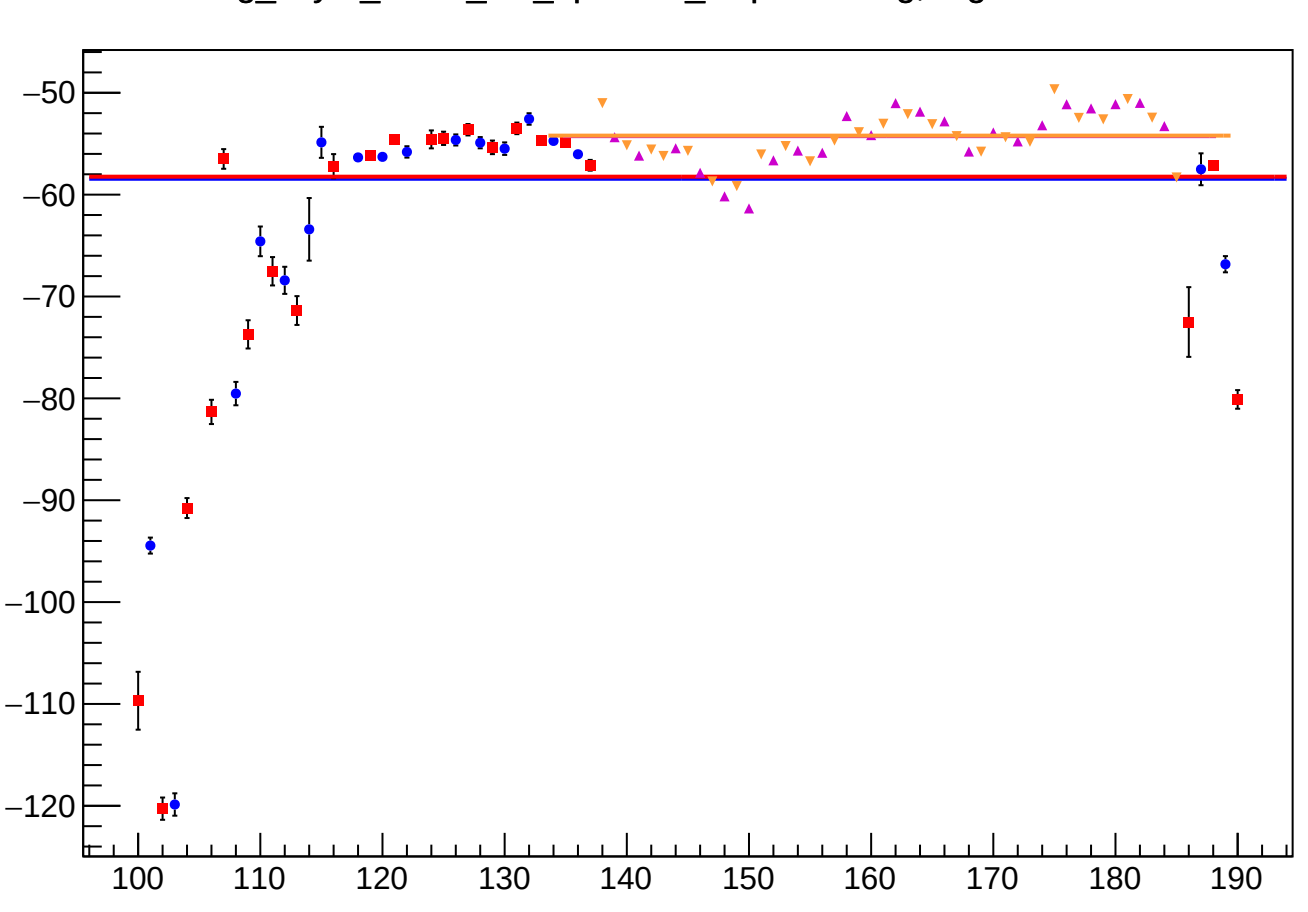
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -3.238+/-0.091 χ^2/NDF: 1008.1/39

In: -7.853+/-0.063 χ^2/NDF:4888.7/40

Out: -8.379+/-0.061 χ^2/NDF:6107.8/46

All: -8.124+/-0.044 χ^2/NDF: 11032.4/87



Right In: -58.441+/-0.133 χ^2/NDF: 6241.4/17

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.237+/-0.132 χ^2/NDF: 6396.5/21

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

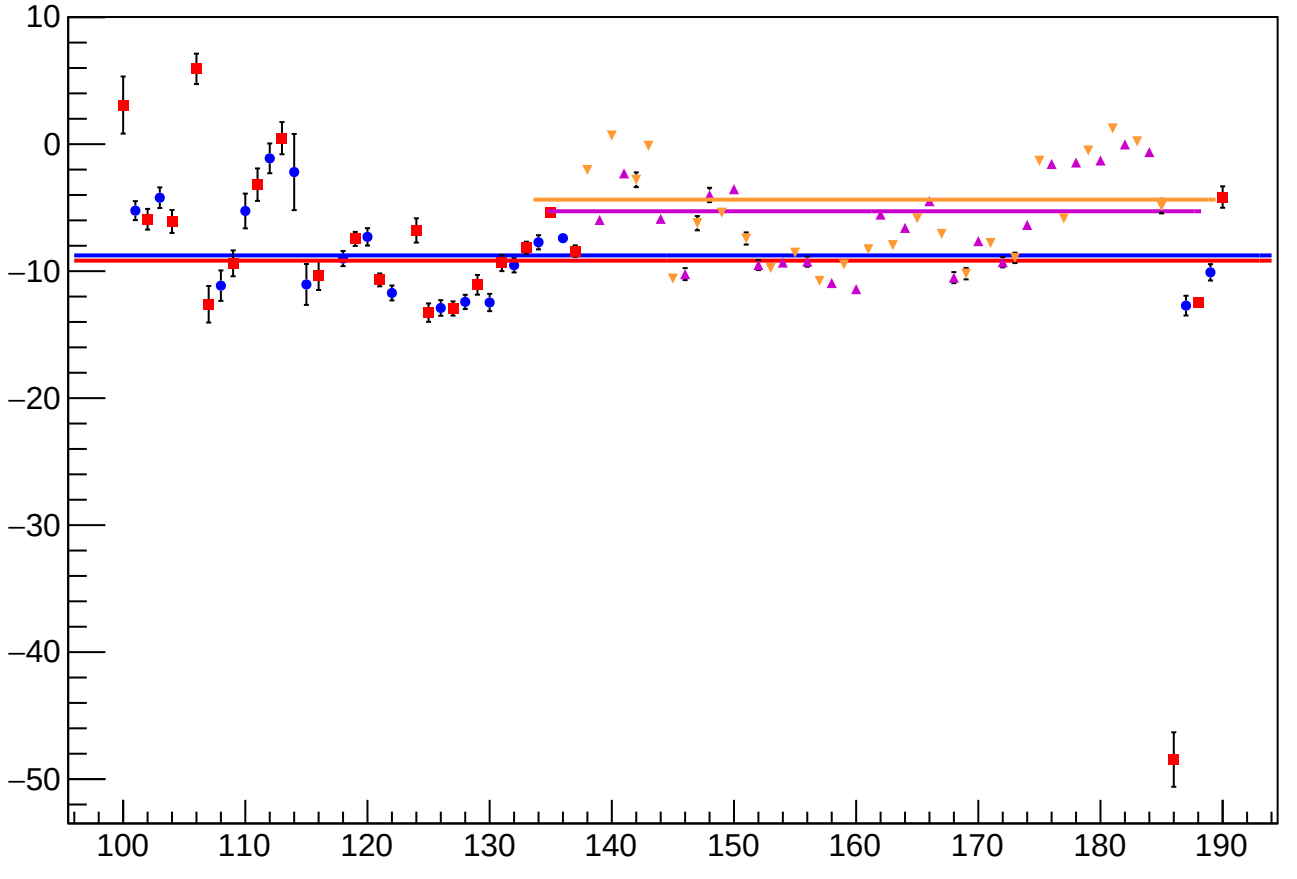
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.338+/-0.094 χ^2/NDF: 12639.1/39

In: -54.930+/-0.053 χ^2/NDF:9559.7/40

Out: -54.821+/-0.051 χ^2/NDF:9048.9/46

All: -54.873+/-0.037 χ^2/NDF: 18610.8/87



Right In: -8.760+/-0.139 χ^2/NDF: 332.9/17

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -9.172+/-0.130 χ^2/NDF: 1076.8/21

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

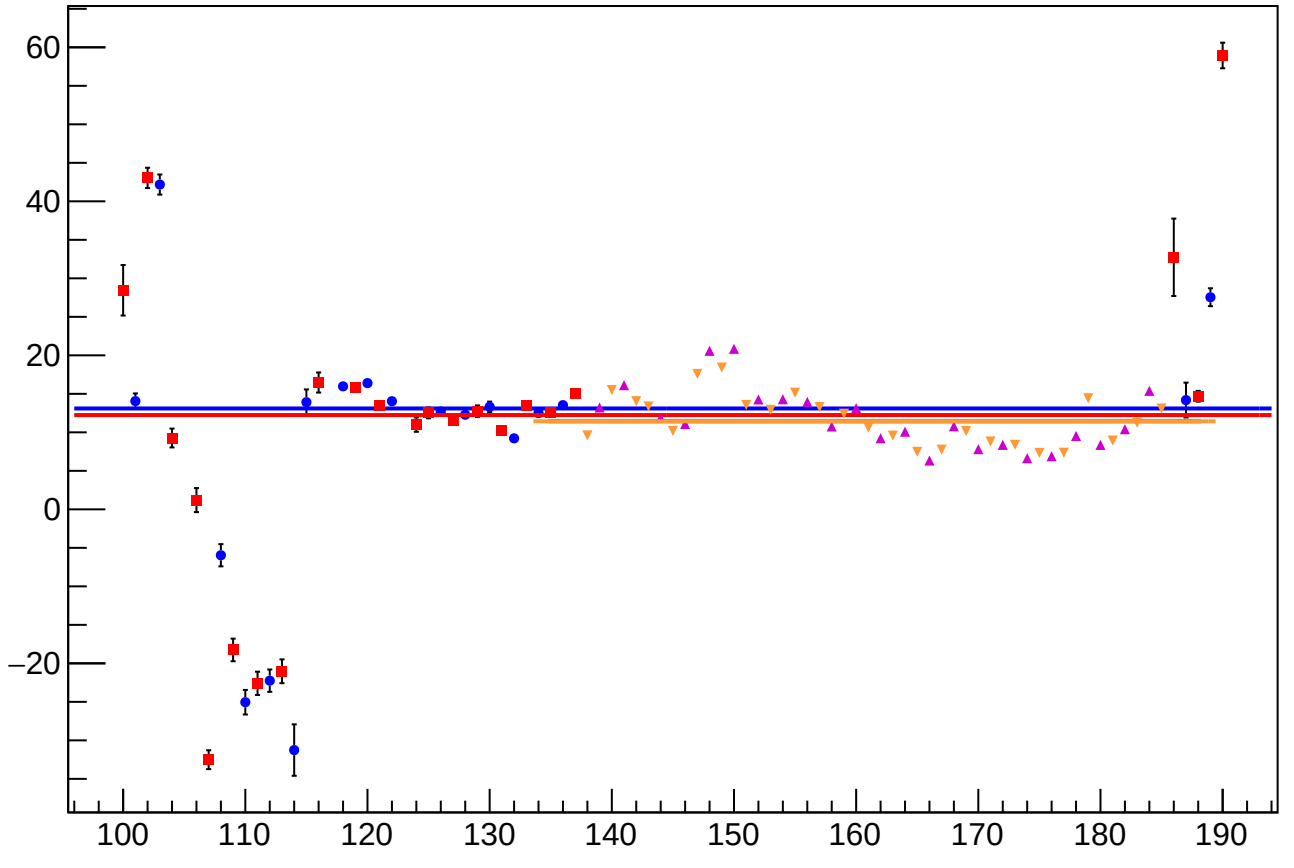
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -8.979+/-0.095 χ^2/NDF: 1414.4/39

In: -6.004+/-0.063 χ^2/NDF:3579.6/40

Out: -5.425+/-0.061 χ^2/NDF:5838.7/46

All: -5.704+/-0.044 χ^2/NDF: 9461.6/87



Right In: 13.100+/-0.149 χ^2/NDF: 2286.0/17

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 12.244+/-0.151 χ^2/NDF: 4327.8/21

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

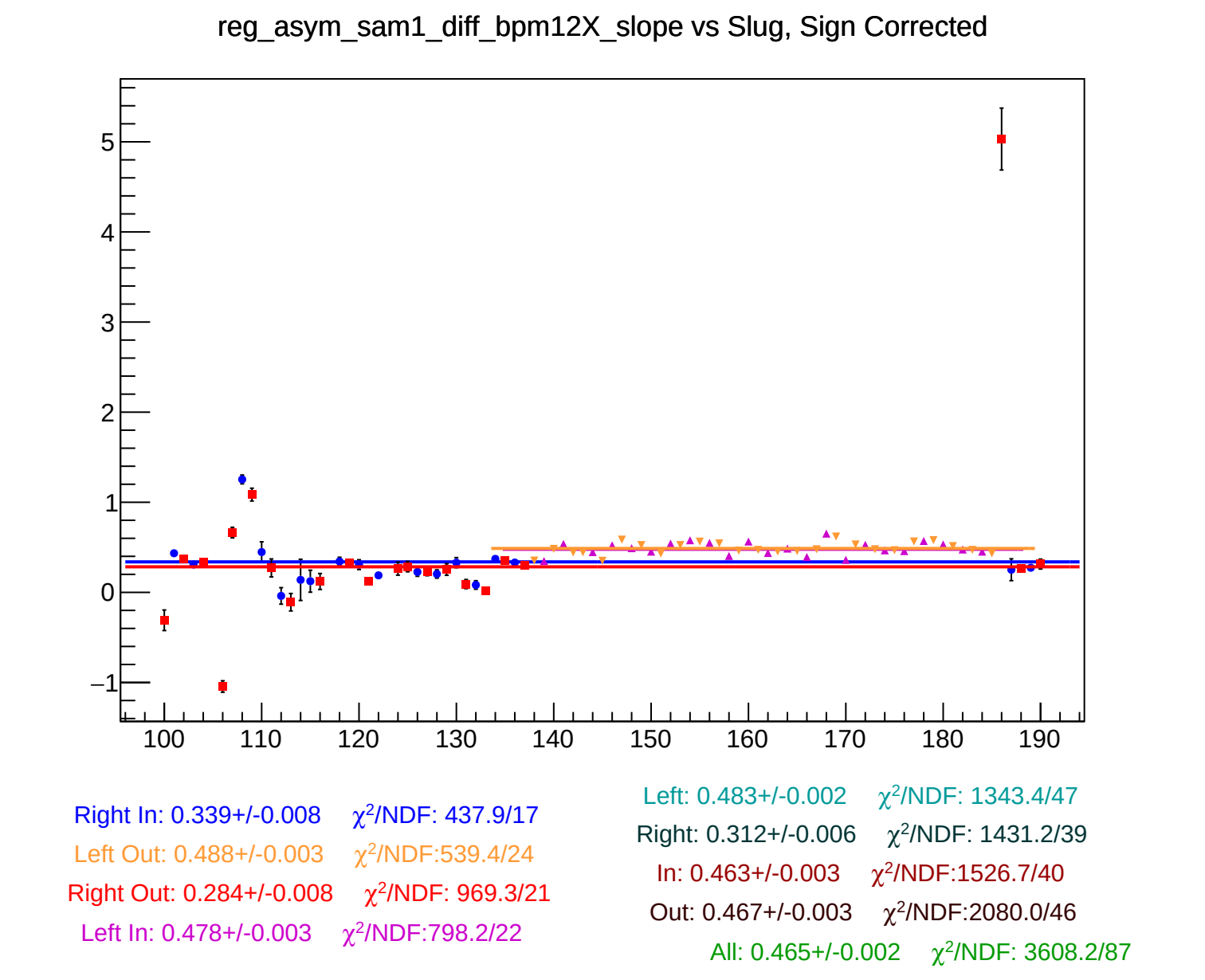
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

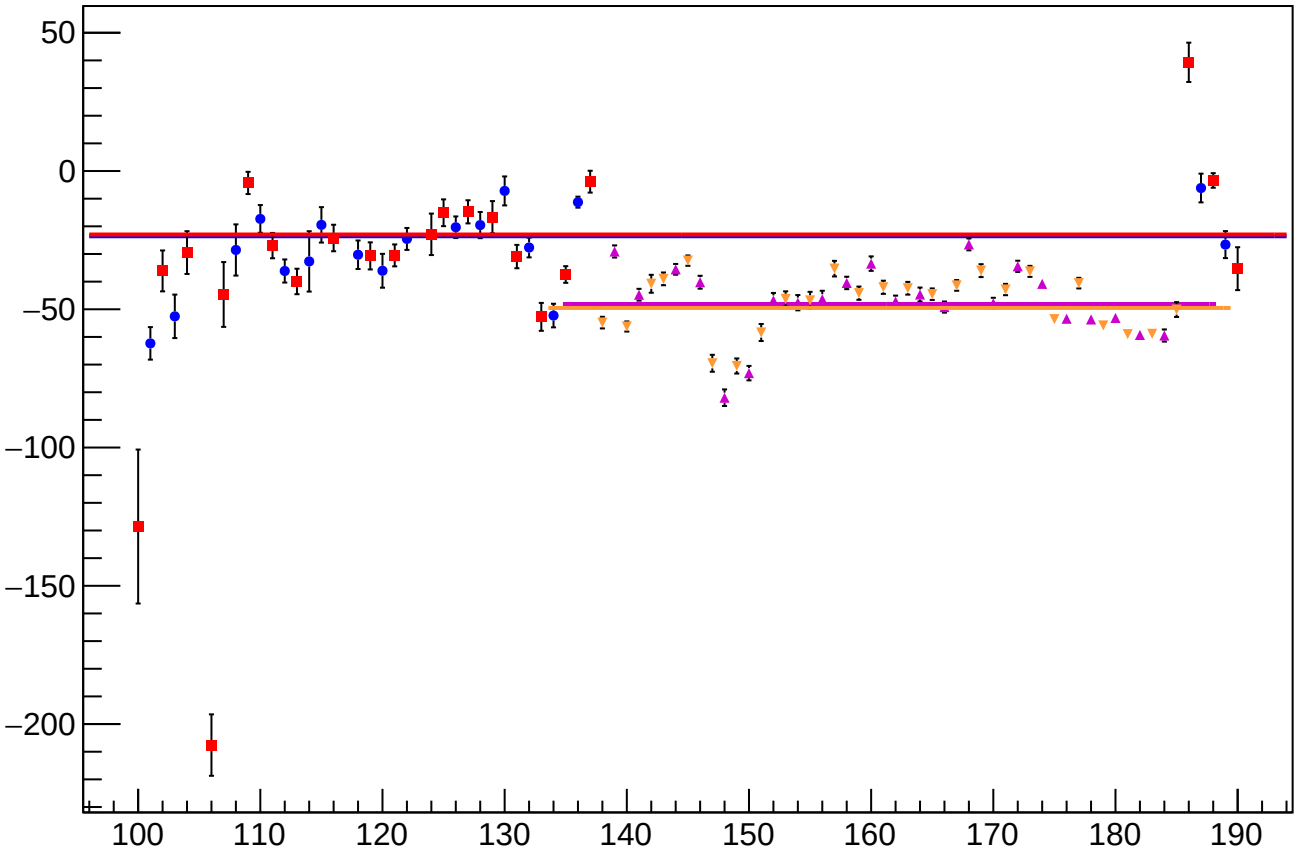
Right: 12.678+/-0.106 χ^2/NDF: 6630.1/39

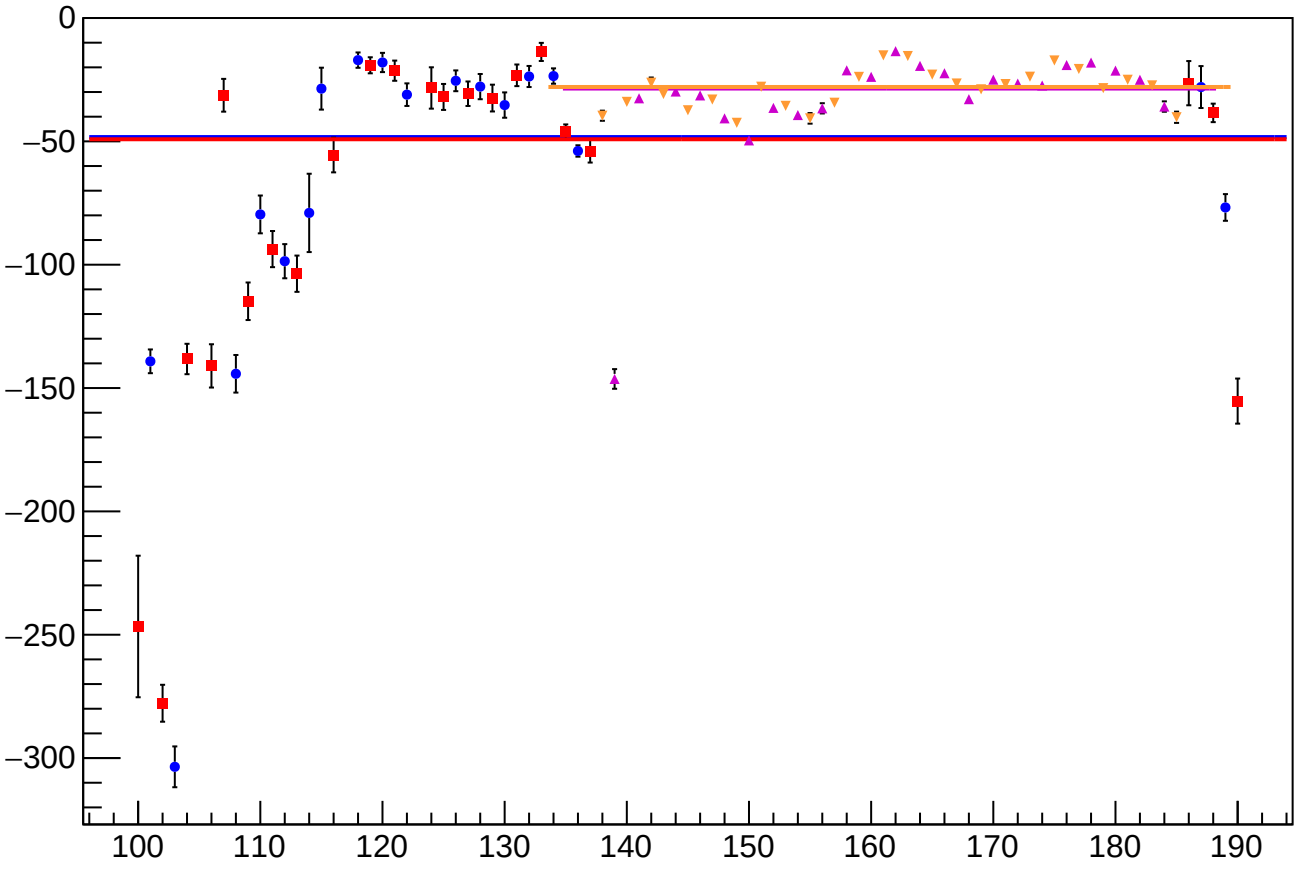
In: 11.701+/-0.059 χ^2/NDF:5749.2/40

Out: 11.554+/-0.057 χ^2/NDF:6788.0/46

All: 11.626+/-0.041 χ^2/NDF: 12540.4/87


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.339+/-0.008 χ²/NDF: 437.9/17
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.284+/-0.008 χ²/NDF: 969.3/21
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.312+/-0.006 χ²/NDF: 1431.2/39
In: 0.463+/-0.003 χ²/NDF:1526.7/40
Out: 0.467+/-0.003 χ²/NDF:2080.0/46
All: 0.465+/-0.002 χ²/NDF: 3608.2/87


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: -23.591+/-1.039 χ²/NDF: 182.7/17
Left Out: -49.516+/-0.402 χ²/NDF:576.3/24
Right Out: -22.958+/-1.024 χ²/NDF: 566.4/21
Left In: -48.087+/-0.418 χ²/NDF:706.2/22
Left: -48.829+/-0.290 χ²/NDF: 1288.6/47
Right: -23.270+/-0.729 χ²/NDF: 749.3/39
In: -44.667+/-0.388 χ²/NDF:1367.2/40
Out: -45.965+/-0.375 χ²/NDF:1725.1/46
All: -45.340+/-0.270 χ²/NDF: 3098.0/87



Right In: -48.262+/-1.070 χ^2/NDF: 1907.6/17

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -49.148+/-1.110 χ^2/NDF: 1924.2/21

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

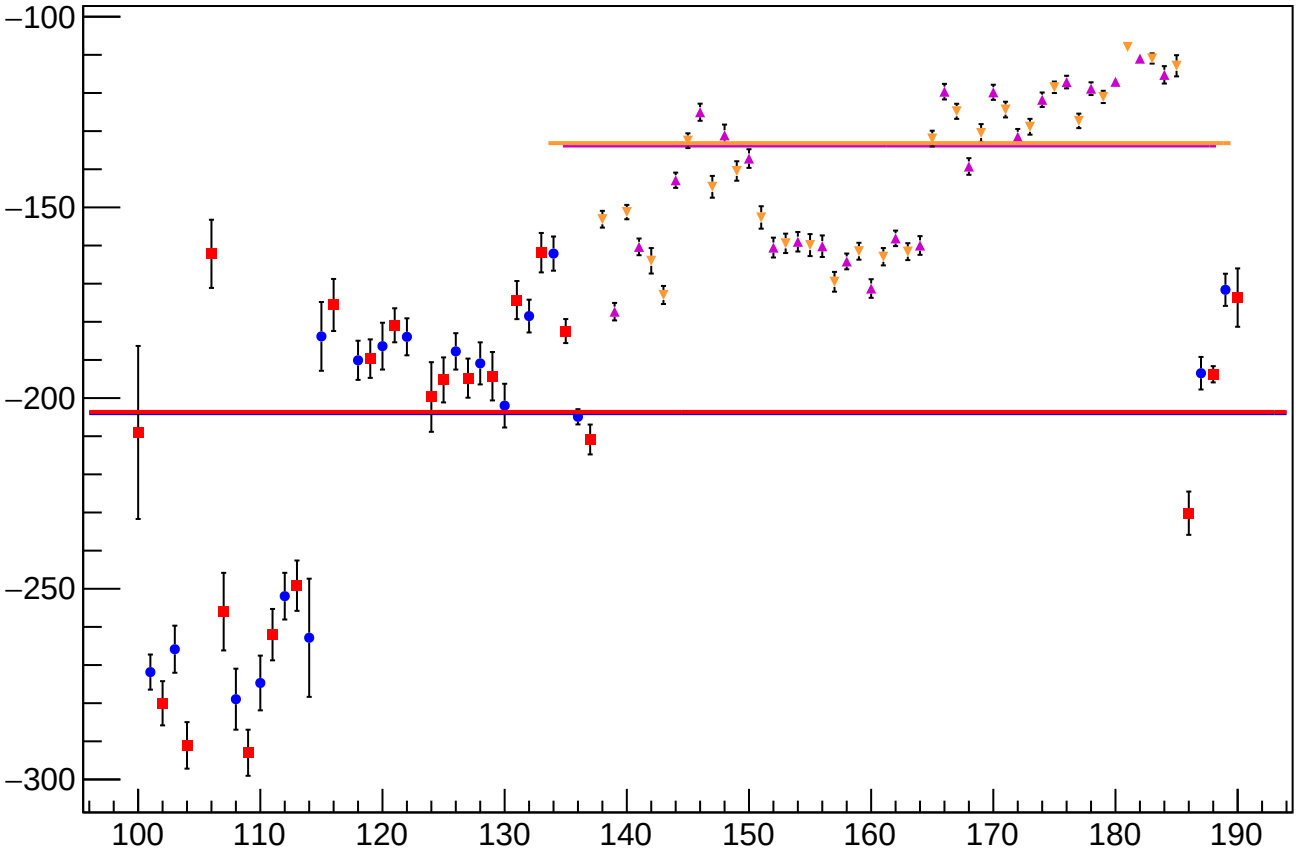
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -48.689+/-0.771 χ^2/NDF: 3832.1/39

In: -30.334+/-0.318 χ^2/NDF:3696.1/40

Out: -29.592+/-0.308 χ^2/NDF:2757.9/46

All: -29.951+/-0.222 χ^2/NDF: 6456.8/87



Right In: -203.946+/-1.097 χ^2/NDF: 821.2/17

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -203.626+/-1.066 χ^2/NDF: 1033.8/21

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

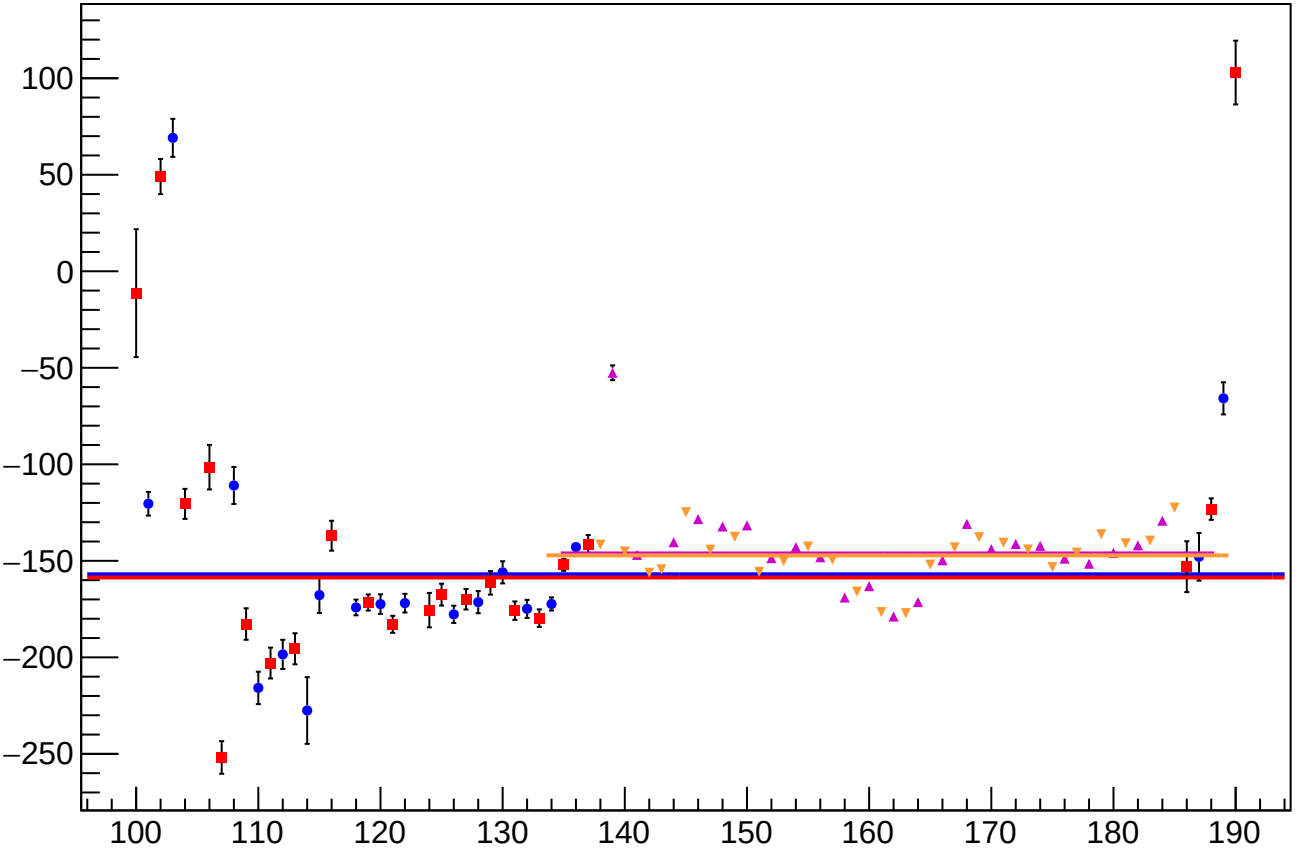
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -203.781+/-0.765 χ^2/NDF: 1855.0/39

In: -142.639+/-0.390 χ^2/NDF:6838.0/40

Out: -141.959+/-0.377 χ^2/NDF:7386.0/46

All: -142.287+/-0.271 χ^2/NDF: 14225.6/87



Right In: -156.983+/-1.207 χ^2/NDF: 939.1/17

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -158.627+/-1.278 χ^2/NDF: 1172.1/21

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

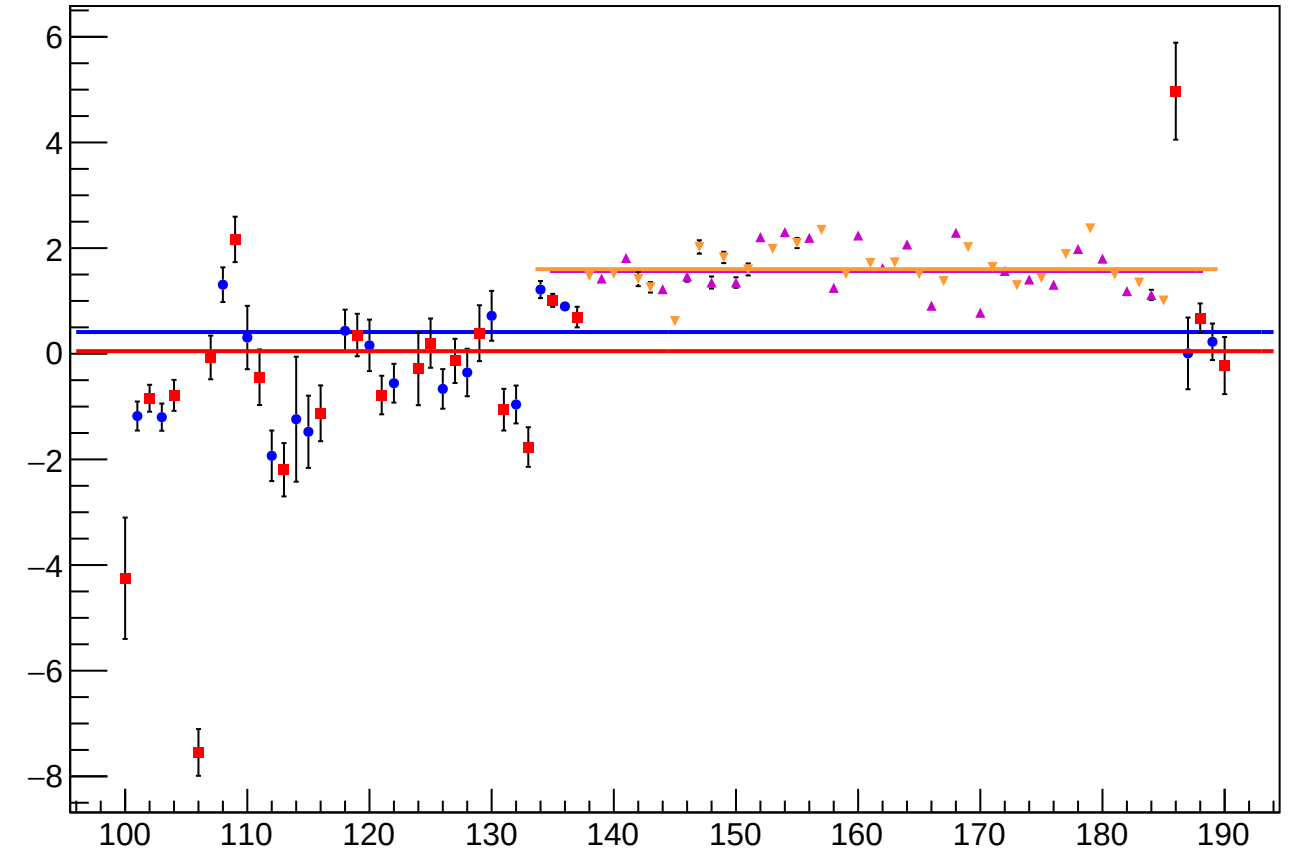
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -157.757+/-0.877 χ^2/NDF: 2112.1/39

In: -147.105+/-0.354 χ^2/NDF:2806.2/40

Out: -148.001+/-0.345 χ^2/NDF:2492.3/46

All: -147.565+/-0.247 χ^2/NDF: 5301.8/87



Right In: 0.411+/-0.063 χ^2/NDF: 198.3/17

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.049+/-0.069 χ^2/NDF: 523.2/21

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

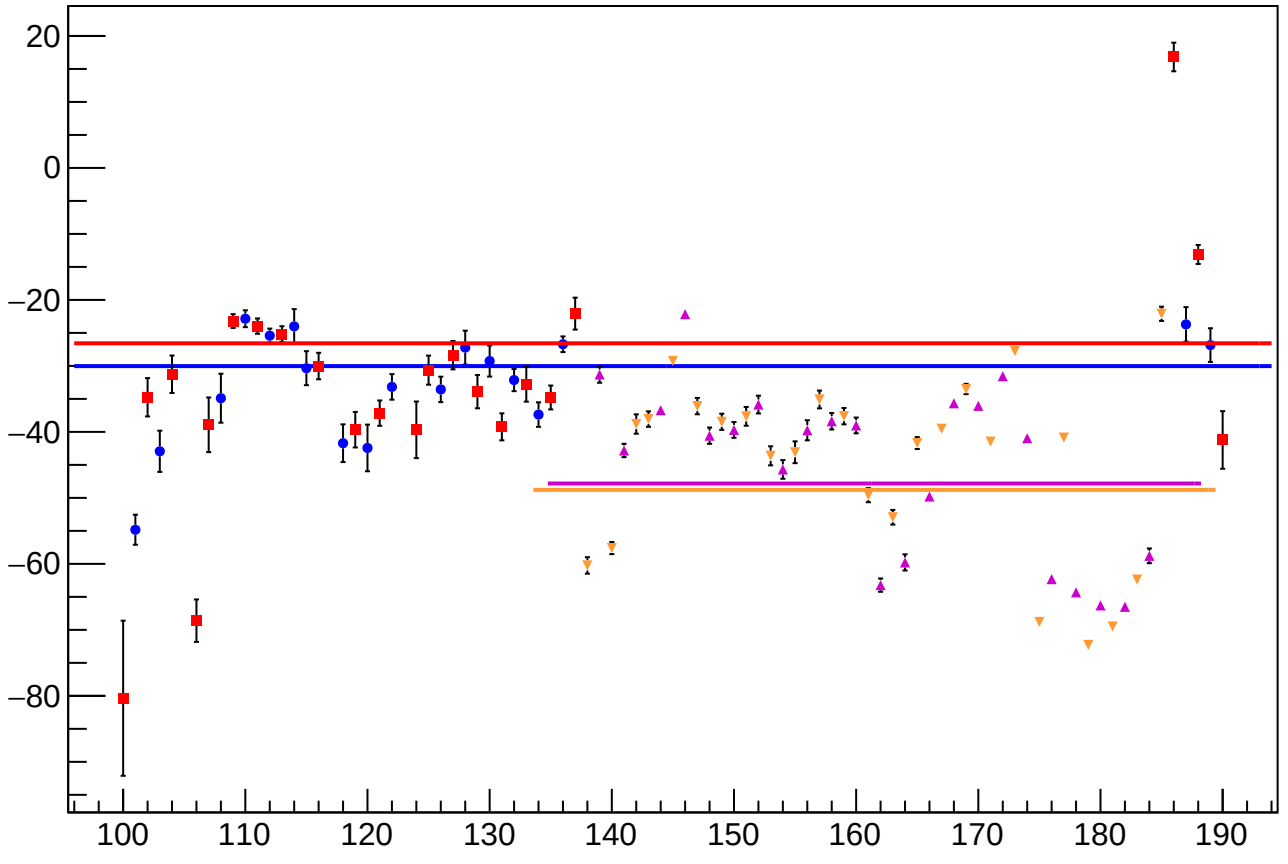
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.246+/-0.047 χ^2/NDF: 736.3/39

In: 1.495+/-0.016 χ^2/NDF:1244.9/40

Out: 1.522+/-0.016 χ^2/NDF:1582.3/46

All: 1.509+/-0.011 χ^2/NDF: 2828.7/87



Right In: -30.032+/-0.453 χ^2/NDF: 261.4/17

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -26.576+/-0.420 χ^2/NDF: 873.9/21

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

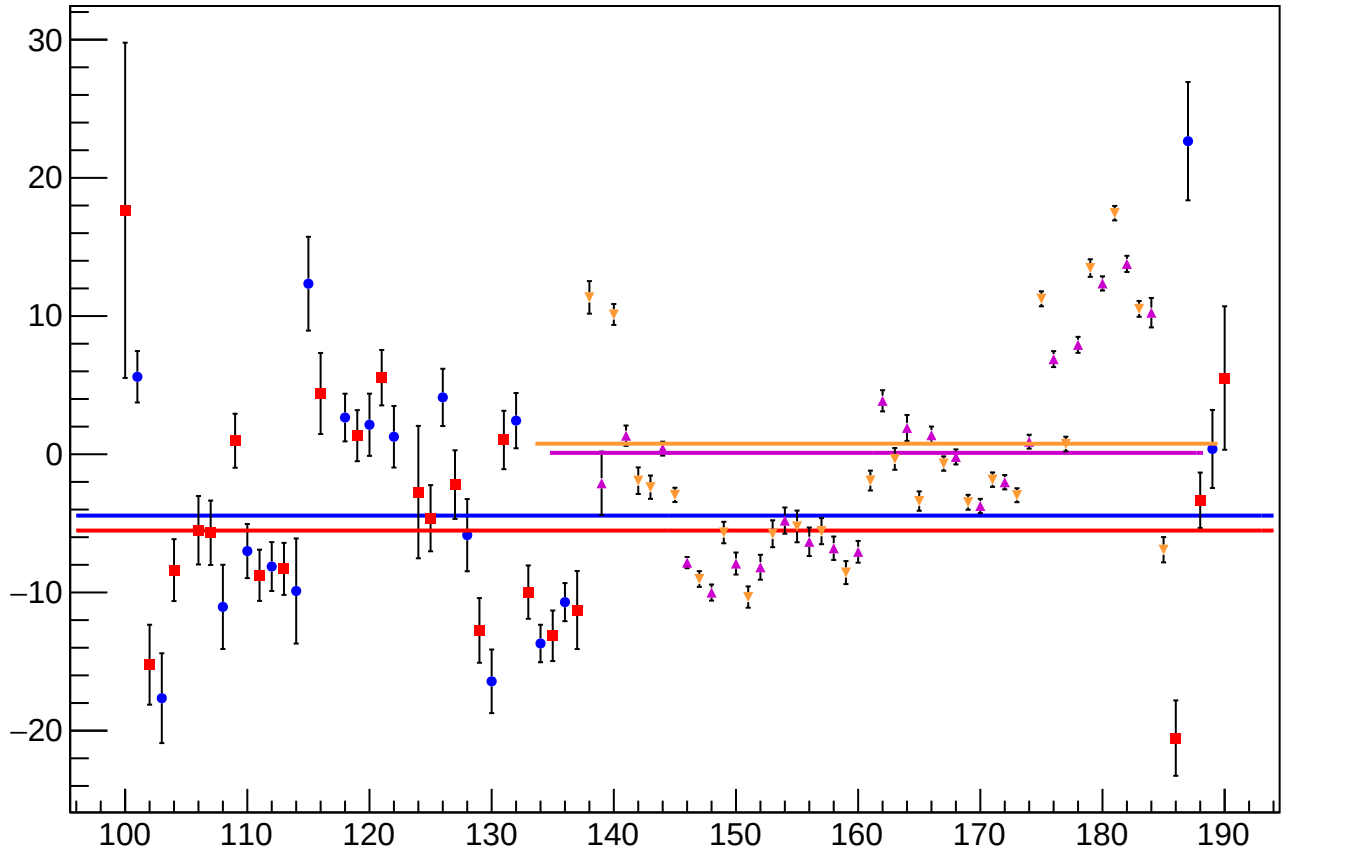
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

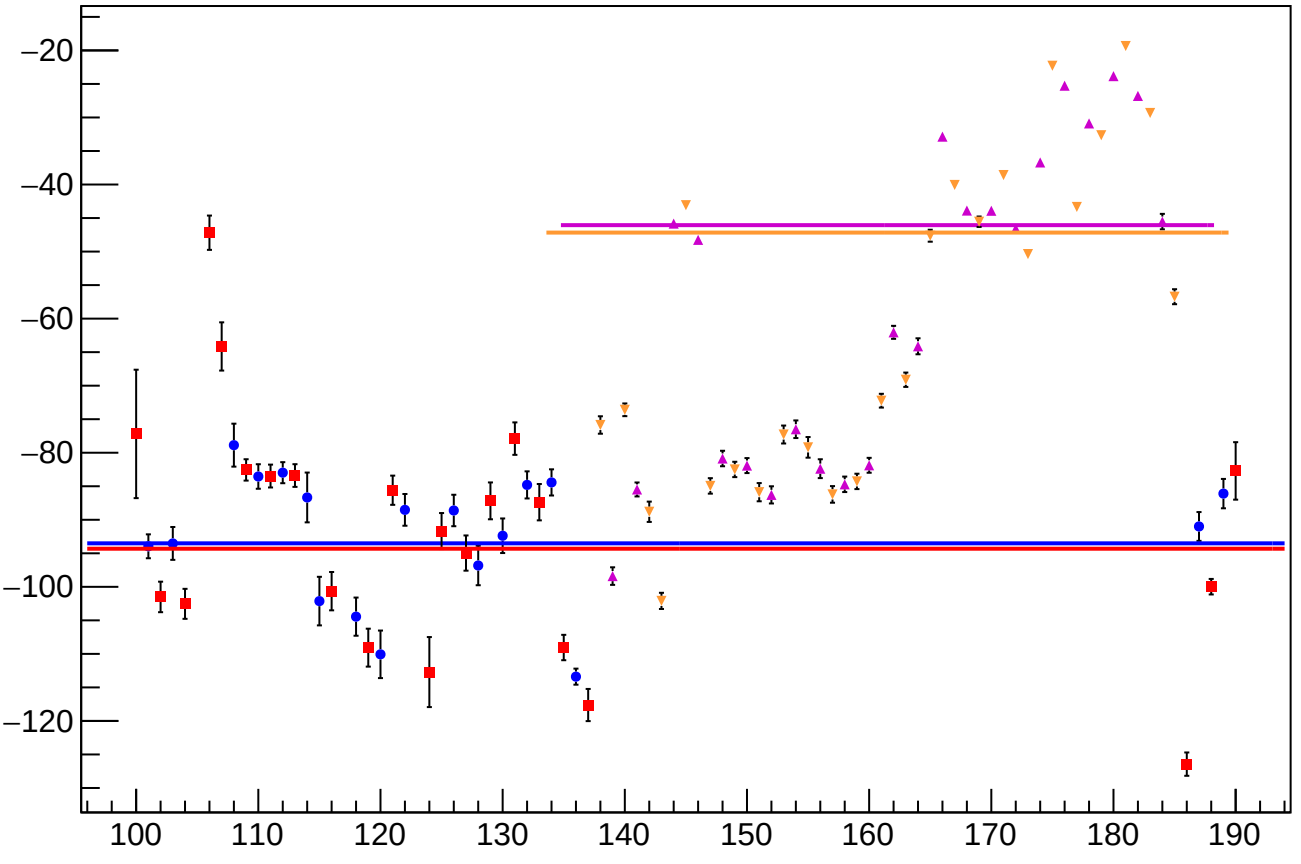
Right: -28.171+/-0.308 χ^2/NDF: 1166.7/39

In: -45.628+/-0.159 χ^2/NDF:8835.5/40

Out: -45.755+/-0.155 χ^2/NDF:12245.5/46

All: -45.693+/-0.111 χ^2/NDF: 21081.3/87


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: -4.439+/-0.498 χ²/NDF: 281.4/17
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.520+/-0.496 χ²/NDF: 172.8/21
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.982+/-0.351 χ²/NDF: 456.6/39
In: -0.200+/-0.128 χ²/NDF:3080.8/40
Out: 0.348+/-0.128 χ²/NDF:3790.0/46
All: 0.075+/-0.091 χ²/NDF: 6880.0/87



Right In: -93.512+/-0.507 χ^2/NDF: 480.9/17

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -94.315+/-0.470 χ^2/NDF: 1221.2/21

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

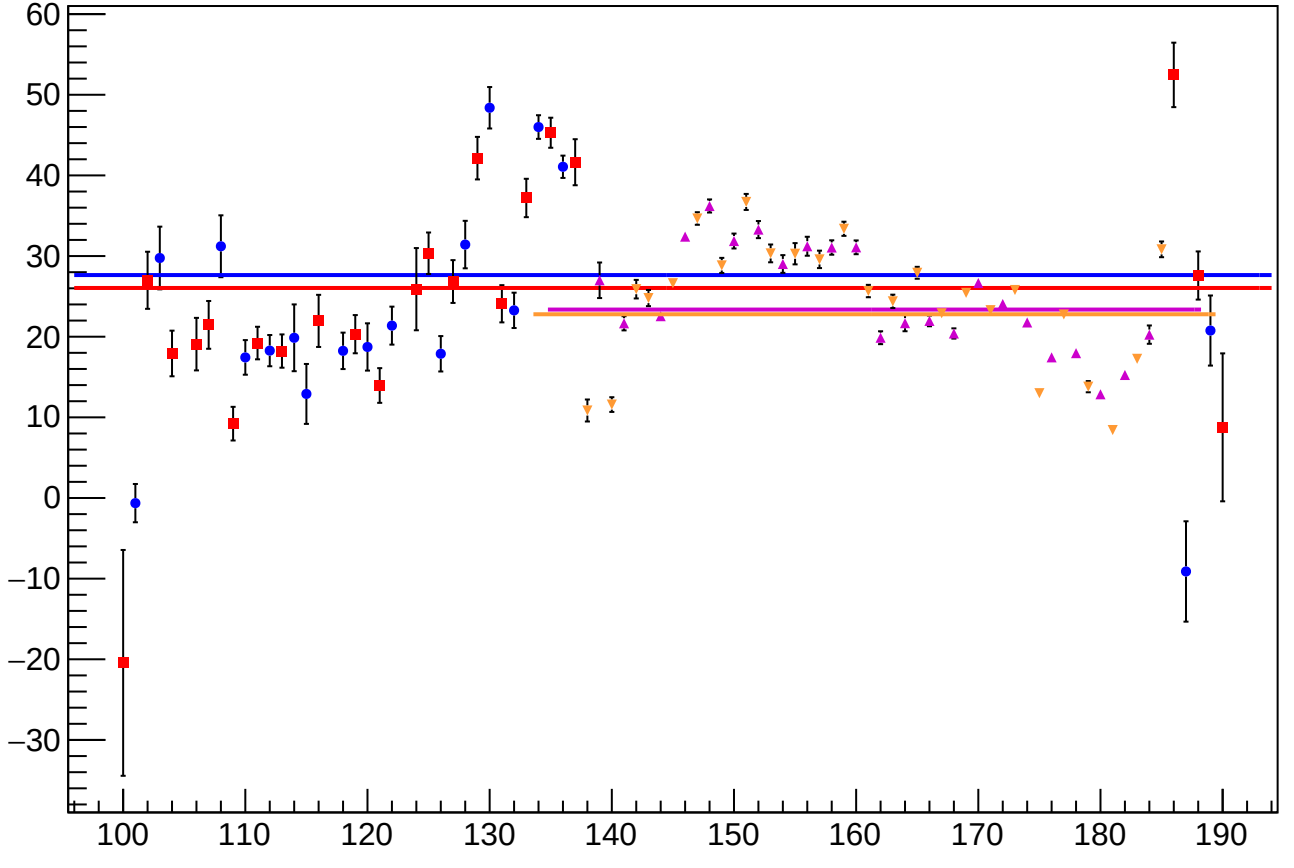
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -93.943+/-0.345 χ^2/NDF: 1703.4/39

In: -50.865+/-0.161 χ^2/NDF:23128.5/40

Out: -52.478+/-0.158 χ^2/NDF:27799.4/46

All: -51.689+/-0.113 χ^2/NDF: 50979.0/87



Right In: 27.643+/-0.562 χ^2/NDF: 621.1/17

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.042+/-0.572 χ^2/NDF: 403.1/21

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

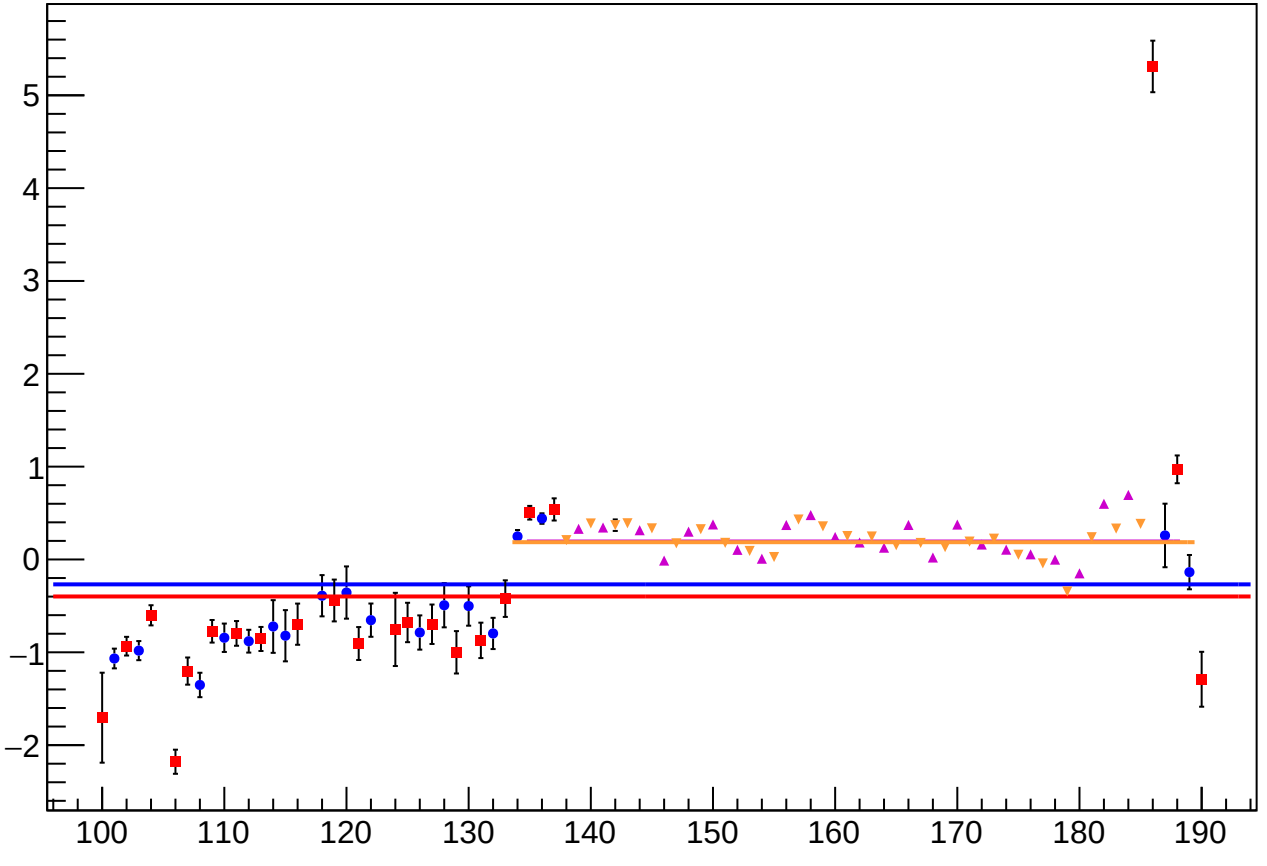
Right: 26.857+/-0.401 χ^2/NDF: 1028.1/39

In: 23.646+/-0.144 χ^2/NDF:2460.6/40

Out: 22.985+/-0.143 χ^2/NDF:2846.5/46

All: 23.313+/-0.101 χ^2/NDF: 5317.7/87

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.268+/-0.030 χ^2/NDF: 458.5/17

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.399+/-0.032 χ^2/NDF: 1043.0/21

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

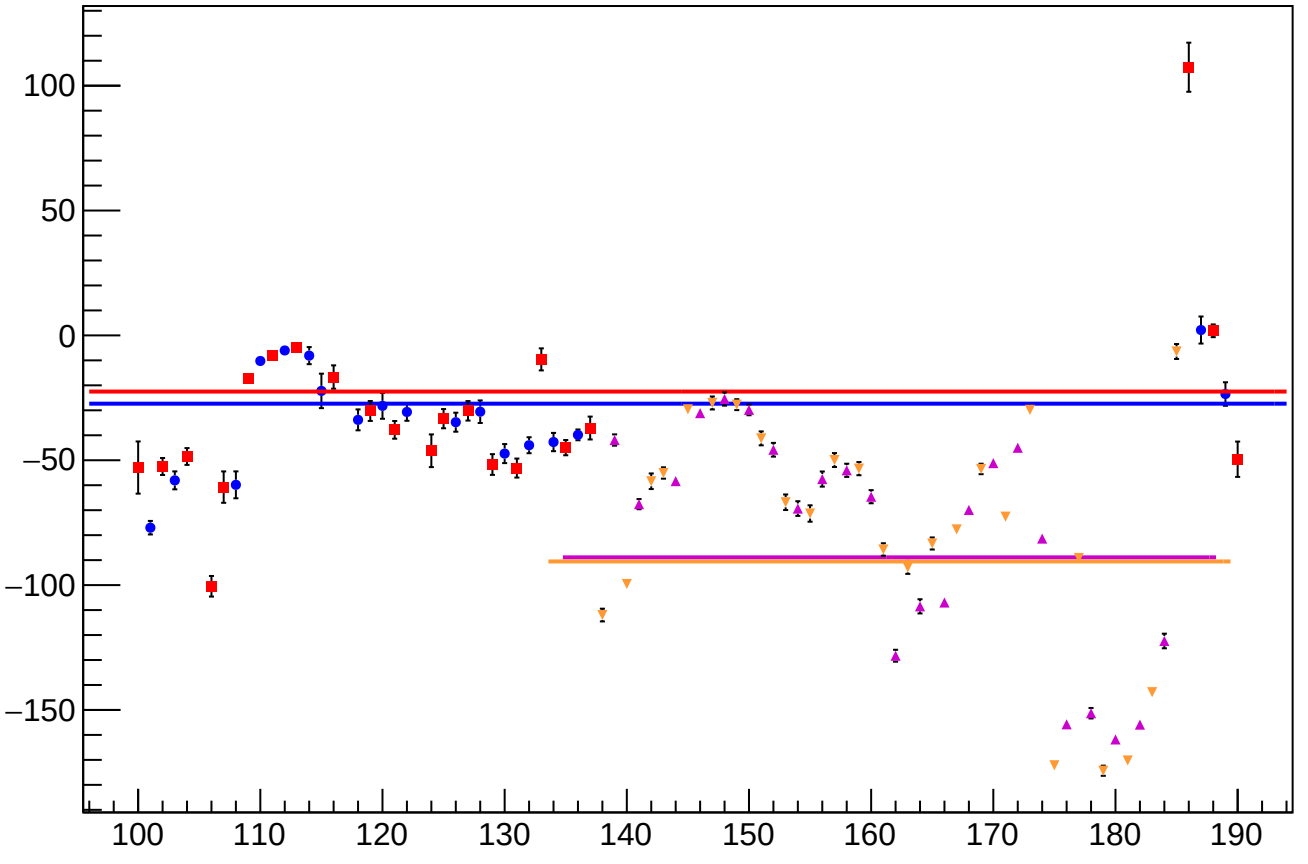
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.330+/-0.022 χ^2/NDF: 1510.4/39

In: 0.172+/-0.007 χ^2/NDF:1620.6/40

Out: 0.162+/-0.006 χ^2/NDF:2015.2/46

All: 0.167+/-0.005 χ^2/NDF: 3636.9/87



Right In: -27.343+/-0.713 χ^2/NDF: 925.7/17

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -22.489+/-0.638 χ^2/NDF: 1278.9/21

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

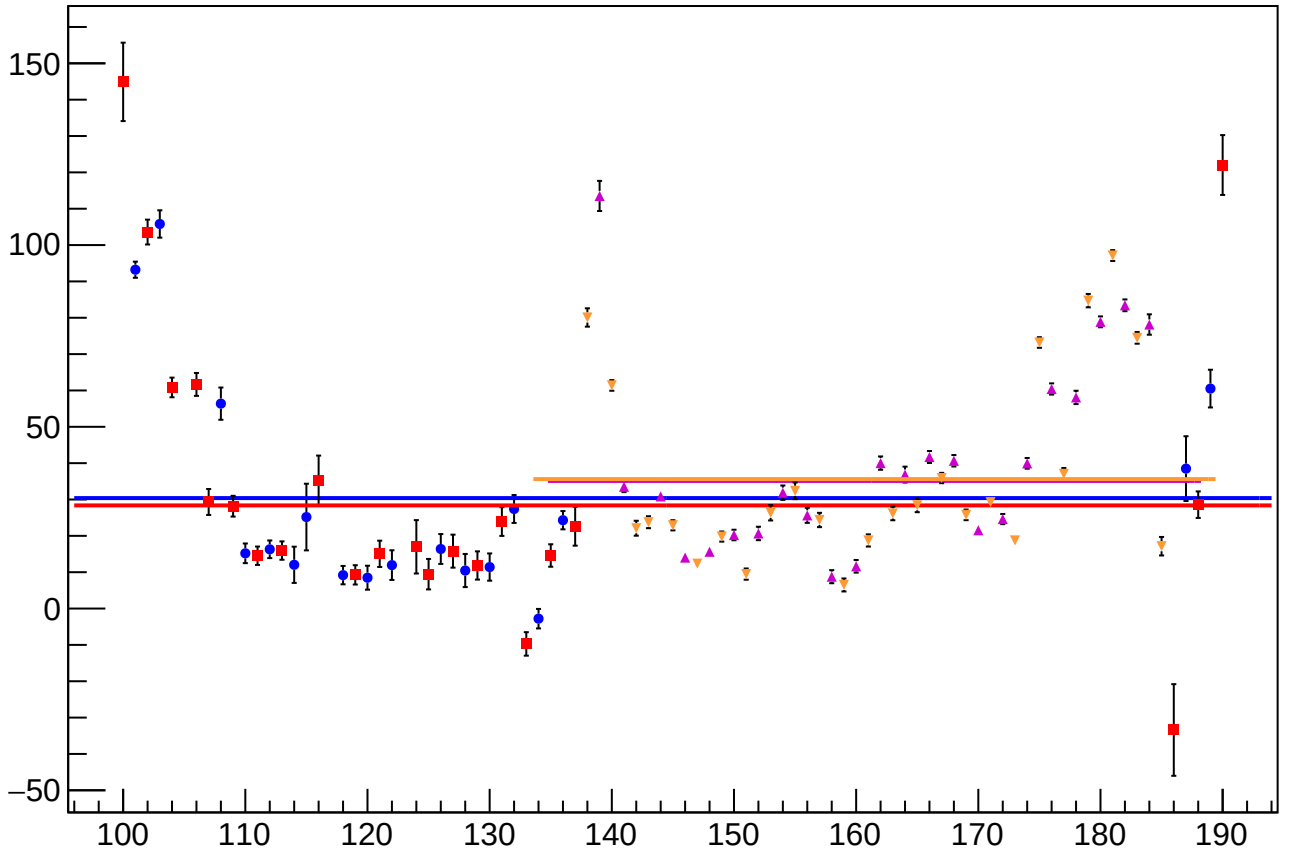
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -24.647+/-0.475 χ^2/NDF: 2230.4/39

In: -72.214+/-0.371 χ^2/NDF:18176.8/40

Out: -69.855+/-0.351 χ^2/NDF:24565.4/46

All: -70.971+/-0.255 χ^2/NDF: 42763.5/87



Right In: 30.389+/-0.794 χ^2/NDF: 1701.2/17

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 28.376+/-0.774 χ^2/NDF: 1339.1/21

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

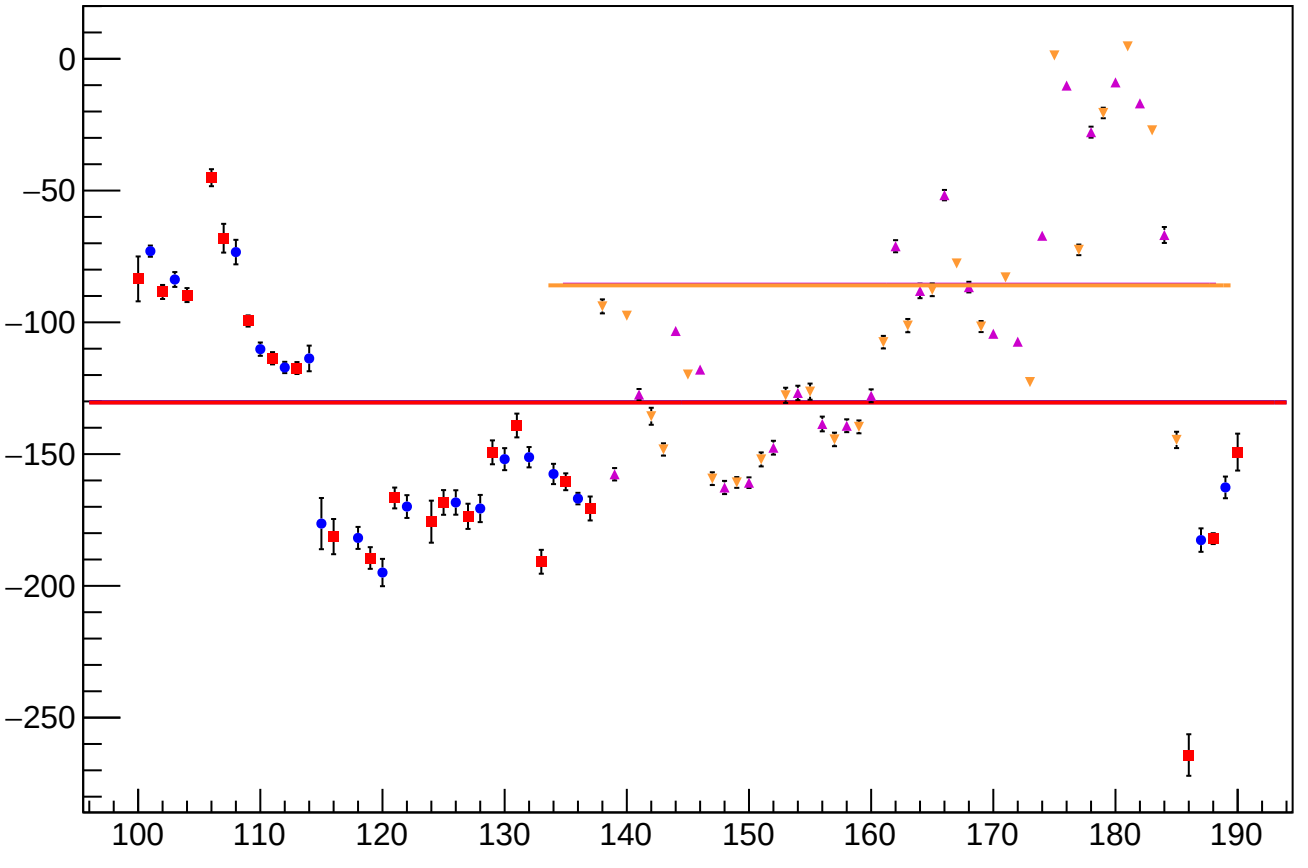
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 29.356+/-0.554 χ^2/NDF: 3043.6/39

In: 34.394+/-0.310 χ^2/NDF:5875.6/40

Out: 34.522+/-0.300 χ^2/NDF:7386.4/46

All: 34.460+/-0.216 χ^2/NDF: 13262.1/87



Right In: -130.318+/-0.800 χ^2/NDF: 2392.1/17

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -130.426+/-0.737 χ^2/NDF: 3456.7/21

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

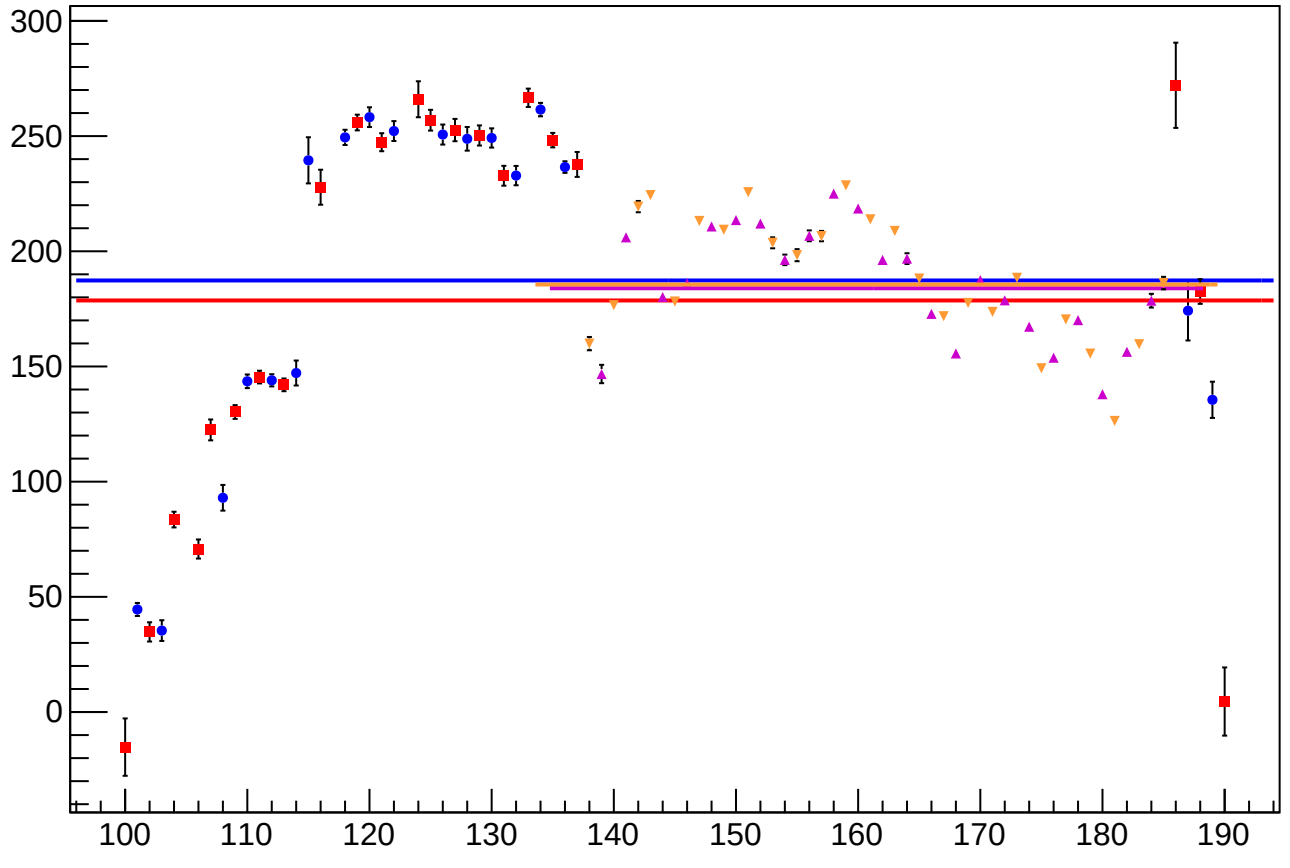
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -130.377+/-0.542 χ^2/NDF: 5848.8/39

In: -95.799+/-0.380 χ^2/NDF:18558.4/40

Out: -96.909+/-0.365 χ^2/NDF:22435.7/46

All: -96.376+/-0.264 χ^2/NDF: 40998.5/87



Right In: 187.334+/-0.910 χ^2/NDF: 7163.8/17

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 178.652+/-0.893 χ^2/NDF: 6833.4/21

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

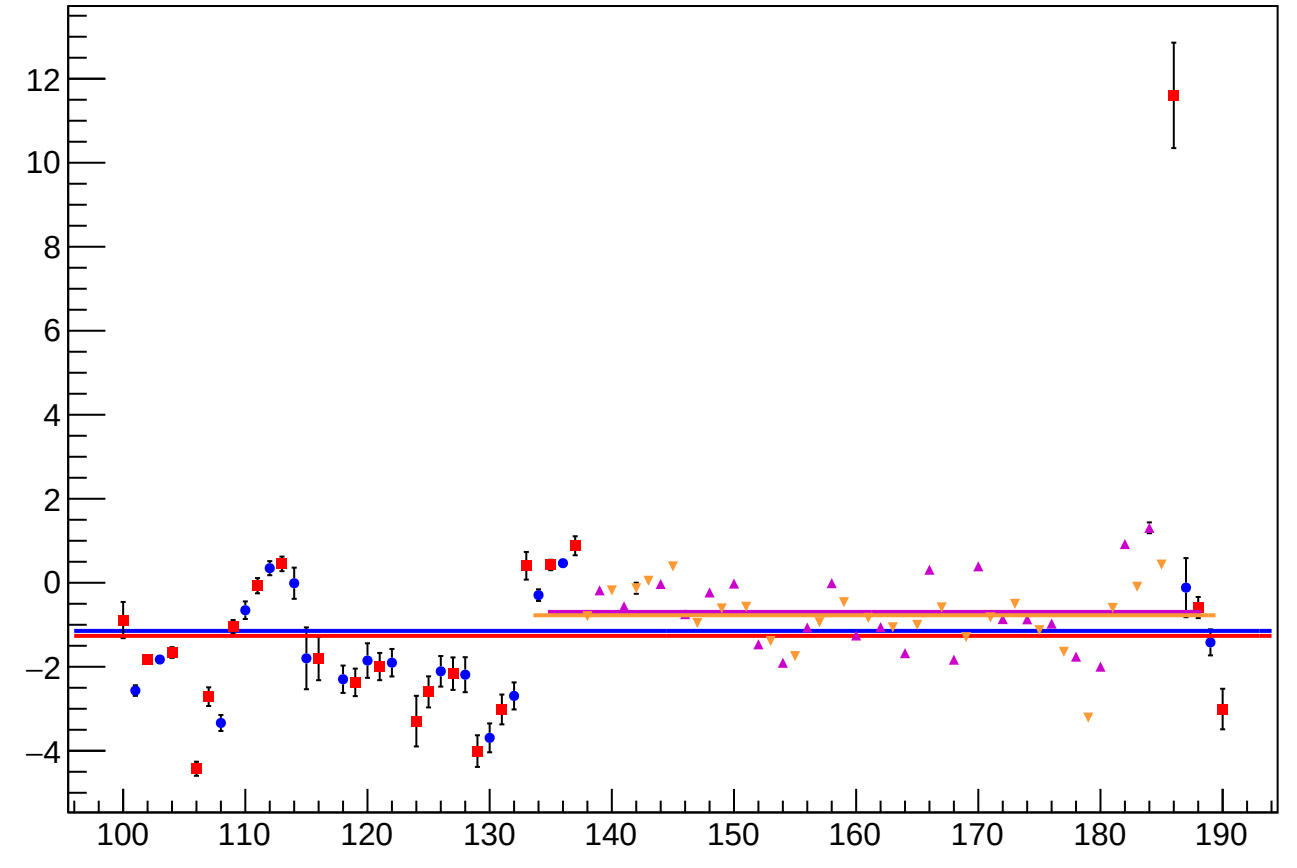
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 182.911+/-0.637 χ^2/NDF: 14043.6/39

In: 184.439+/-0.349 χ^2/NDF:11049.2/40

Out: 184.582+/-0.339 χ^2/NDF:12239.7/46

All: 184.513+/-0.243 χ^2/NDF: 23289.0/87



Right In: -1.146+/-0.047 χ^2/NDF: 790.3/17

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.264+/-0.046 χ^2/NDF: 1123.9/21

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

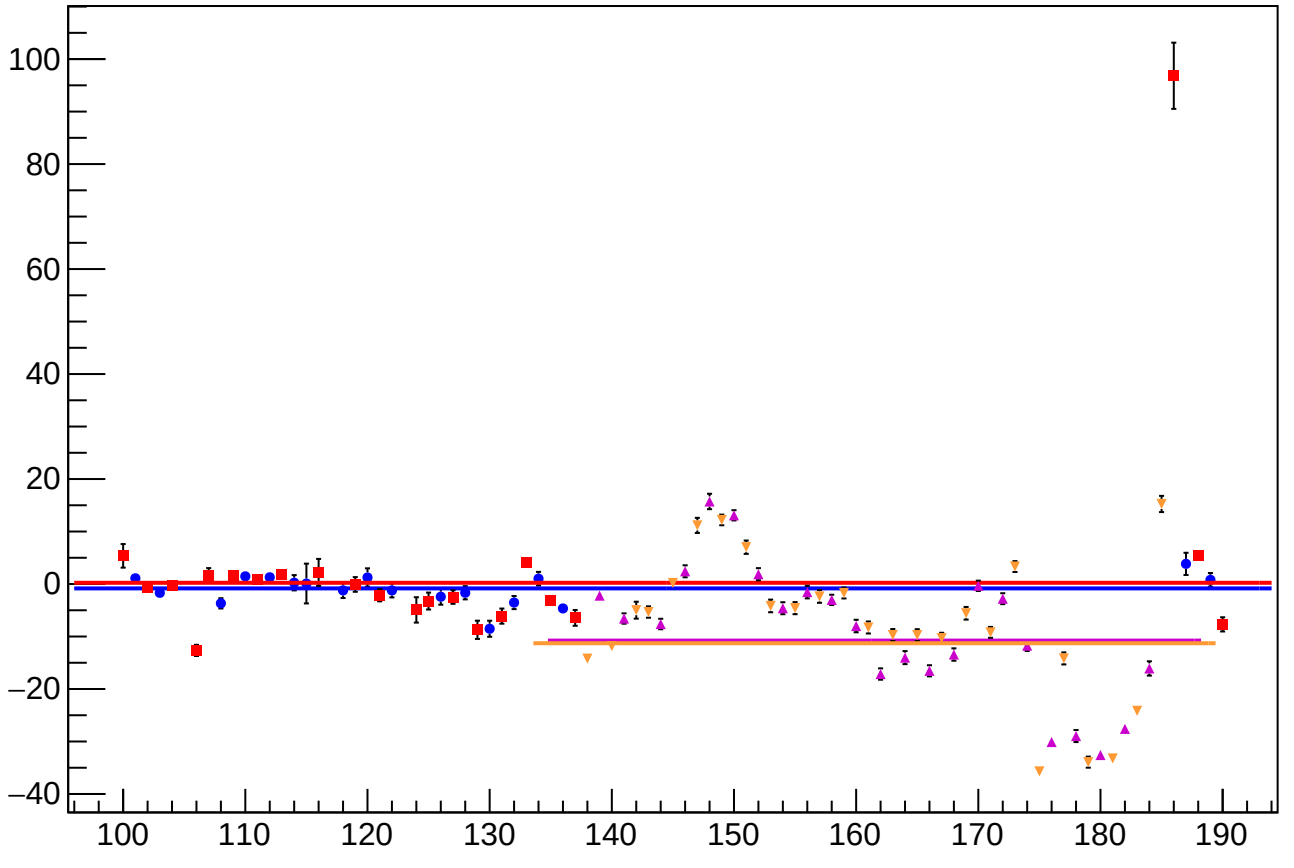
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.206+/-0.033 χ^2/NDF: 1917.4/39

In: -0.744+/-0.016 χ^2/NDF:3436.6/40

Out: -0.829+/-0.015 χ^2/NDF:3046.1/46

All: -0.787+/-0.011 χ^2/NDF: 6497.4/87



Right In: -0.836+/-0.247 χ^2/NDF: 109.9/17

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: 0.233+/-0.208 χ^2/NDF: 629.7/21

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

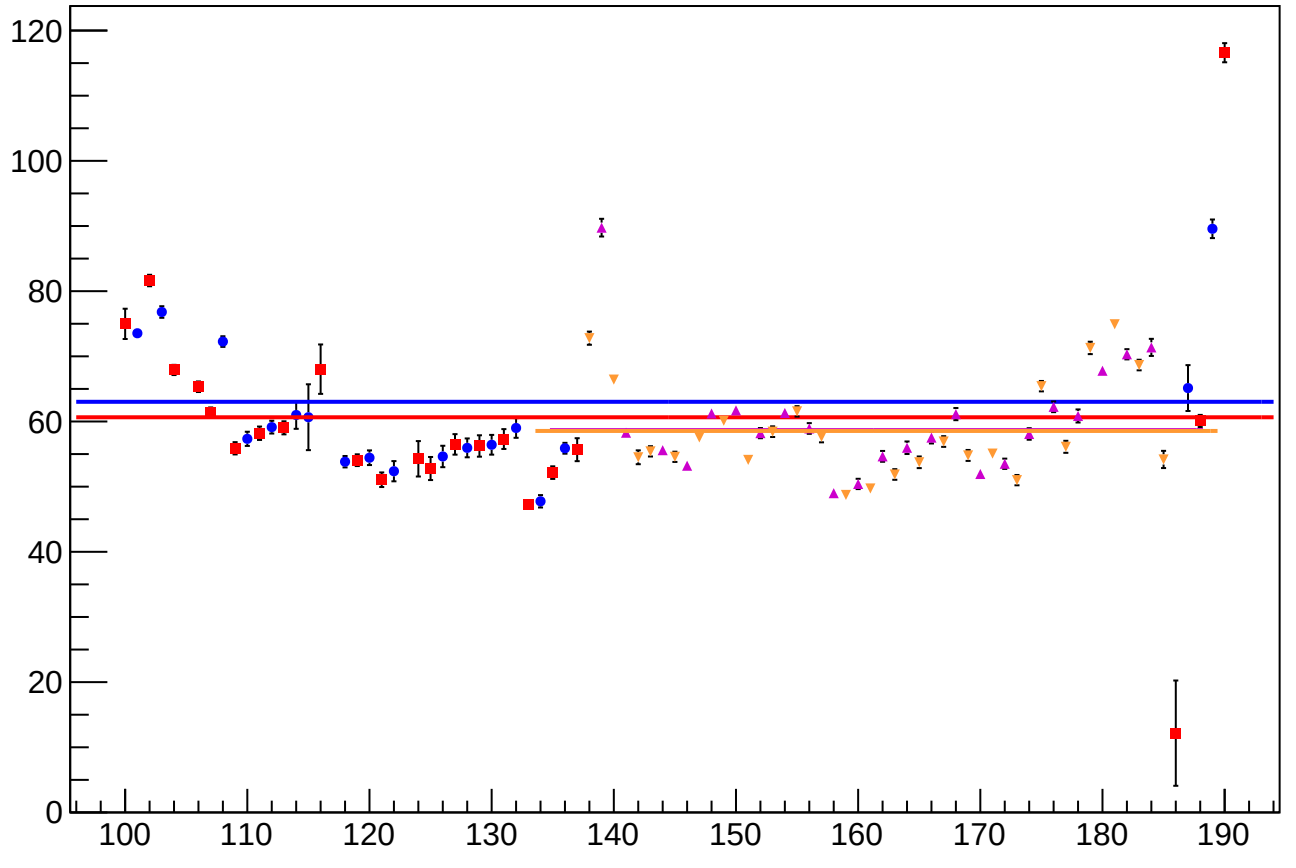
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.210+/-0.159 χ^2/NDF: 750.6/39

In: -6.525+/-0.161 χ^2/NDF:4737.2/40

Out: -5.517+/-0.147 χ^2/NDF:6665.2/46

All: -5.974+/-0.109 χ^2/NDF: 11423.7/87



Right In: 63.022+/-0.260 χ^2/NDF: 1659.6/17

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 60.647+/-0.233 χ^2/NDF: 2925.6/21

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

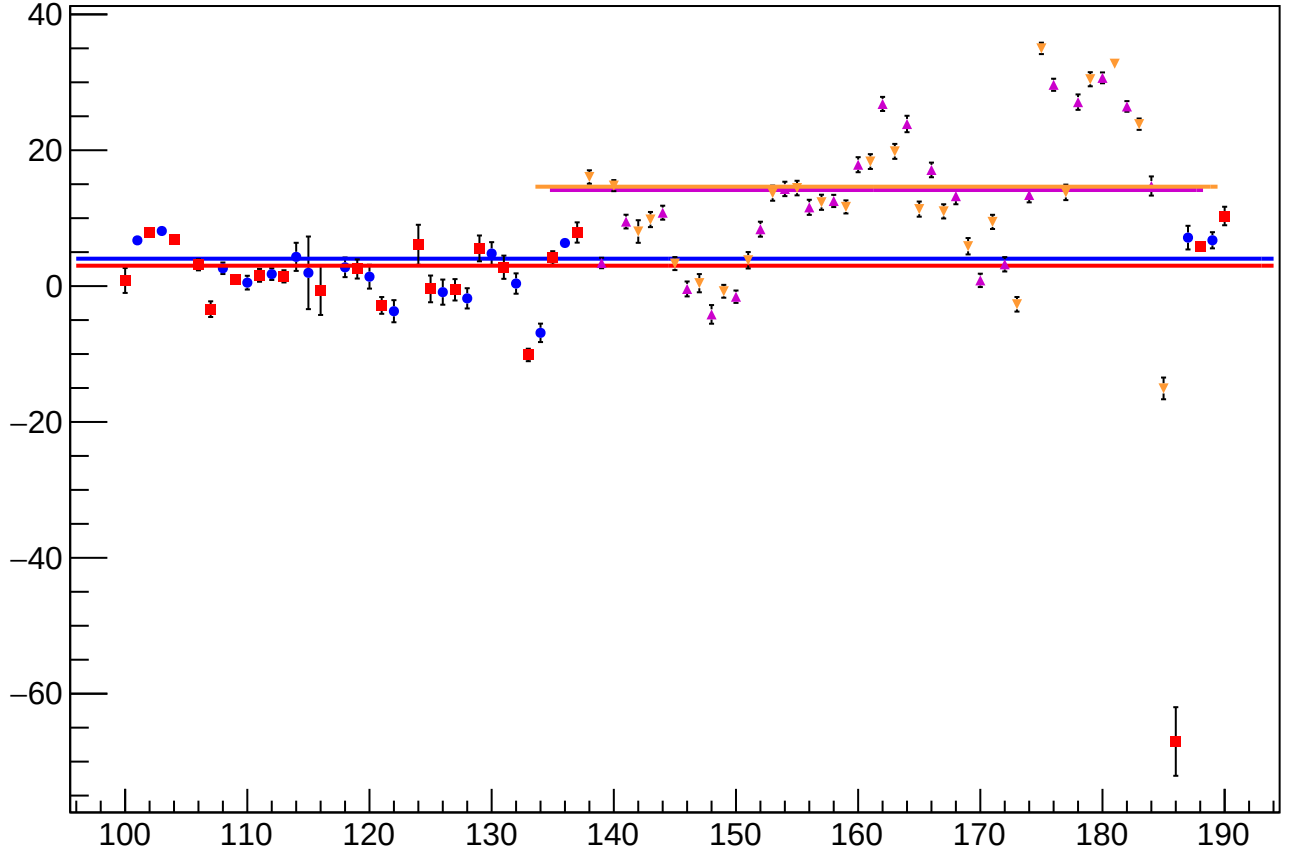
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 61.703+/-0.173 χ^2/NDF: 4631.5/39

In: 59.961+/-0.141 χ^2/NDF:3469.4/40

Out: 59.229+/-0.133 χ^2/NDF:4883.0/46

All: 59.571+/-0.097 χ^2/NDF: 8366.6/87



Right In: 4.035+/-0.256 χ^2/NDF: 217.6/17

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 3.003+/-0.218 χ^2/NDF: 633.2/21

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

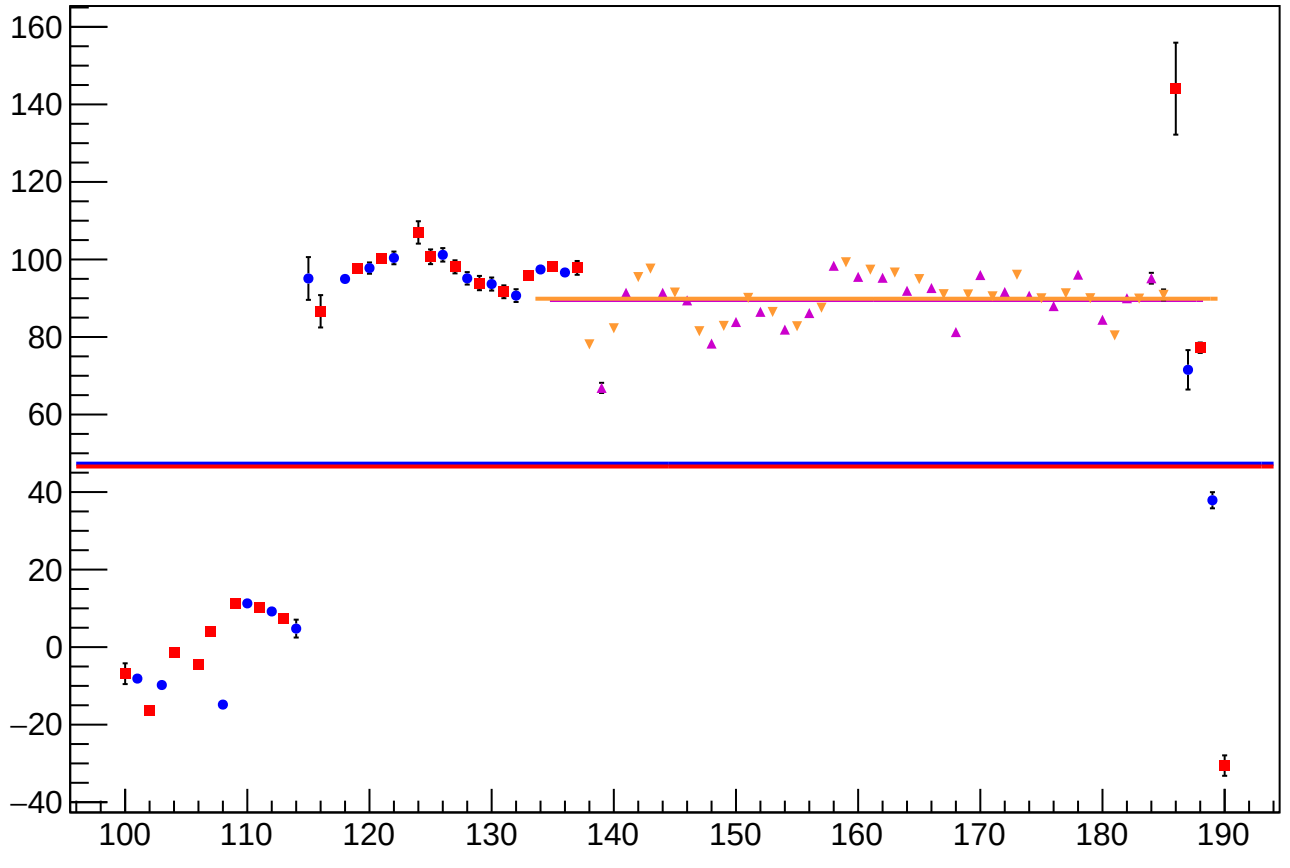
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 3.437+/-0.166 χ^2/NDF: 860.2/39

In: 10.051+/-0.163 χ^2/NDF:3686.3/40

Out: 9.131+/-0.150 χ^2/NDF:5093.5/46

All: 9.553+/-0.110 χ^2/NDF: 8797.1/87



Right In: 47.325+/-0.304 χ^2/NDF: 26930.2/17

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 46.590+/-0.277 χ^2/NDF: 30348.6/21

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

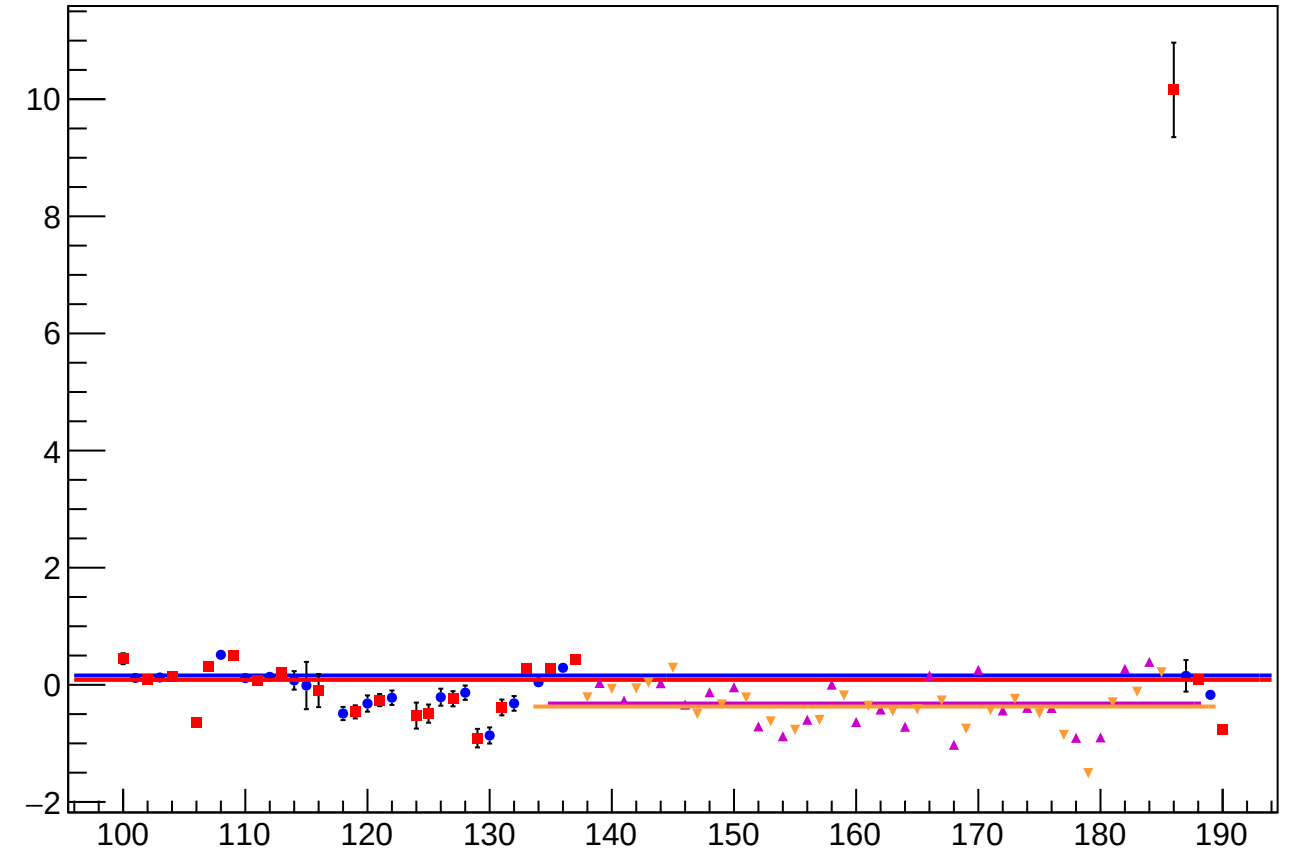
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 46.923+/-0.205 χ^2/NDF: 57282.0/39

In: 77.915+/-0.160 χ^2/NDF:41981.2/40

Out: 76.897+/-0.151 χ^2/NDF:48557.0/46

All: 77.379+/-0.110 χ^2/NDF: 90559.7/87



Right In: 0.159+/-0.014 χ^2/NDF: 287.6/17

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.084+/-0.013 χ^2/NDF: 812.1/21

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

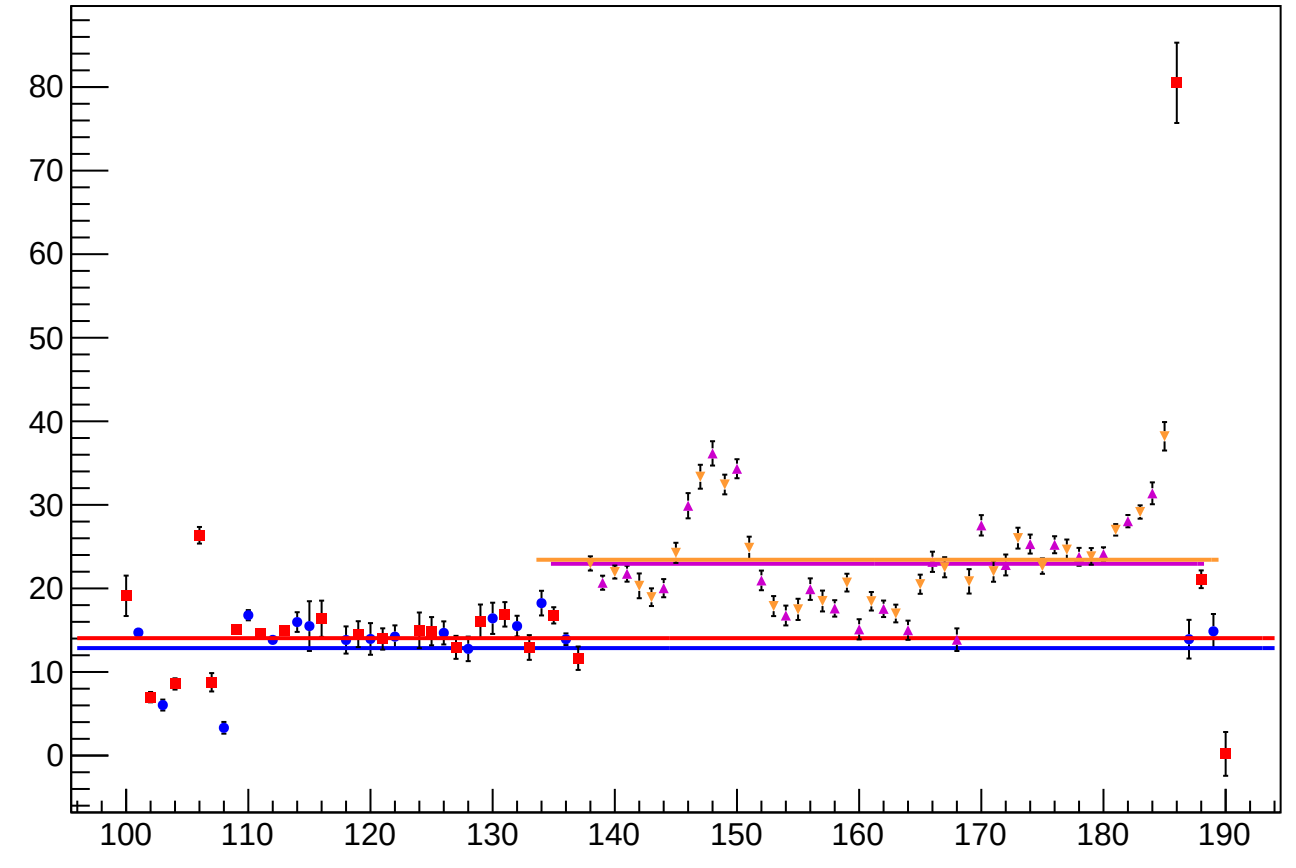
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: 0.119+/-0.009 χ^2/NDF: 1115.3/39

In: -0.198+/-0.007 χ^2/NDF:3617.8/40

Out: -0.244+/-0.007 χ^2/NDF:3473.2/46

All: -0.222+/-0.005 χ^2/NDF: 7114.1/87



Right In: 12.858+/-0.212 χ^2/NDF: 389.2/17

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.048+/-0.200 χ^2/NDF: 669.5/21

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

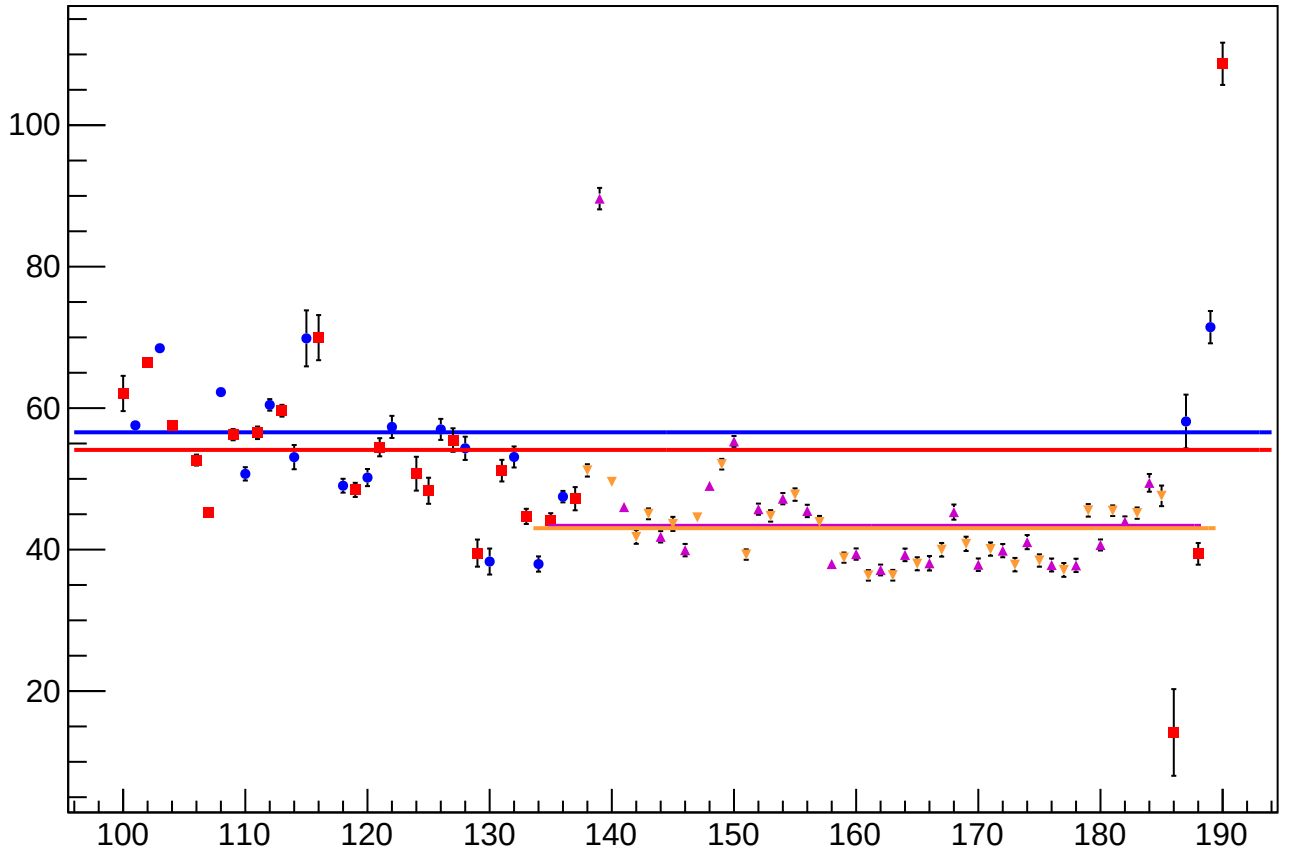
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.489+/-0.145 χ^2/NDF: 1075.4/39

In: 17.596+/-0.154 χ^2/NDF:2018.0/40

Out: 18.375+/-0.147 χ^2/NDF:2115.7/46

All: 18.006+/-0.106 χ^2/NDF: 4147.1/87



Right In: 56.584+/-0.220 χ^2/NDF: 1130.9/17

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.095+/-0.221 χ^2/NDF: 1475.3/21

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

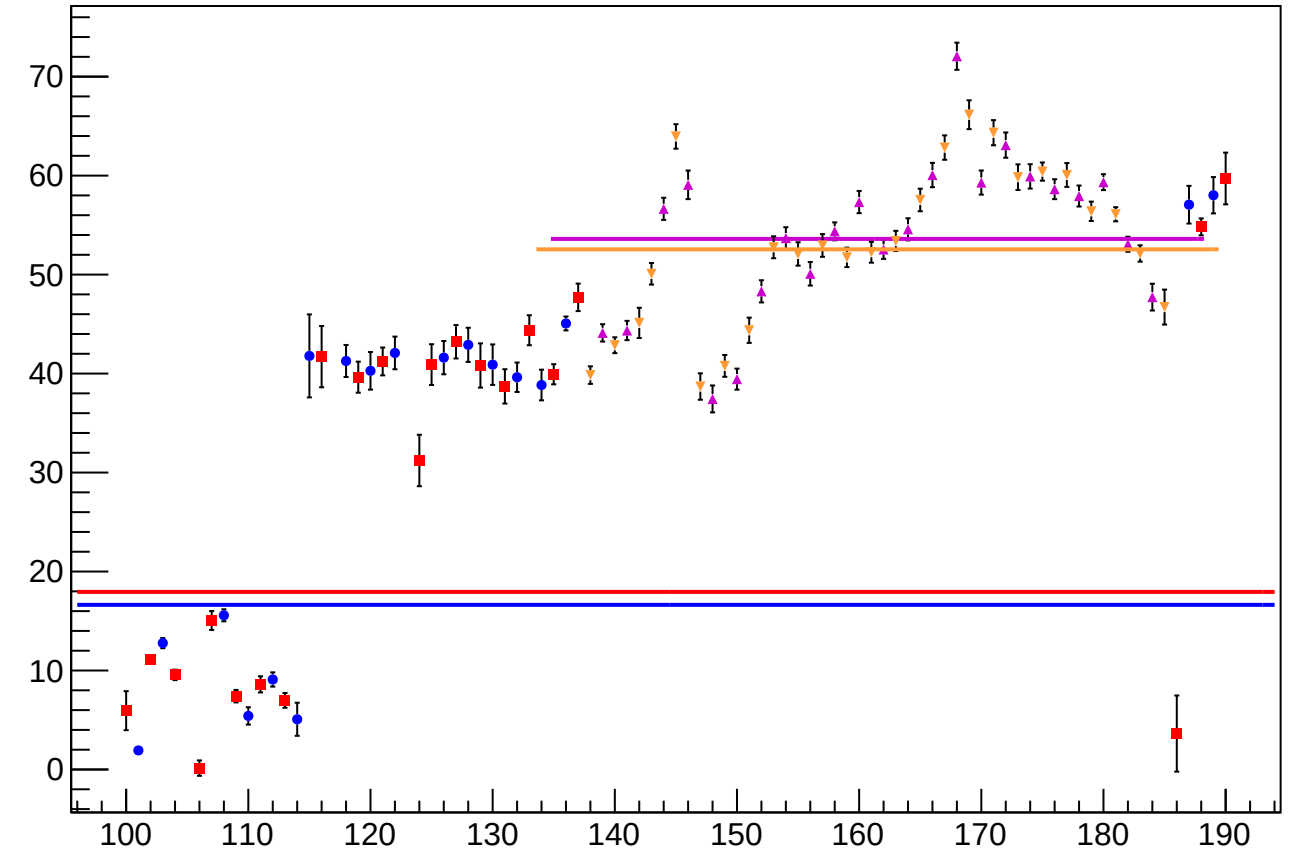
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 55.345+/-0.156 χ^2/NDF: 2669.6/39

In: 48.547+/-0.138 χ^2/NDF:5001.4/40

Out: 47.051+/-0.133 χ^2/NDF:3846.3/46

All: 47.774+/-0.096 χ^2/NDF: 8908.3/87



Right In: 16.634+/-0.211 χ^2/NDF: 6160.4/17

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 17.945+/-0.211 χ^2/NDF: 6153.6/21

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

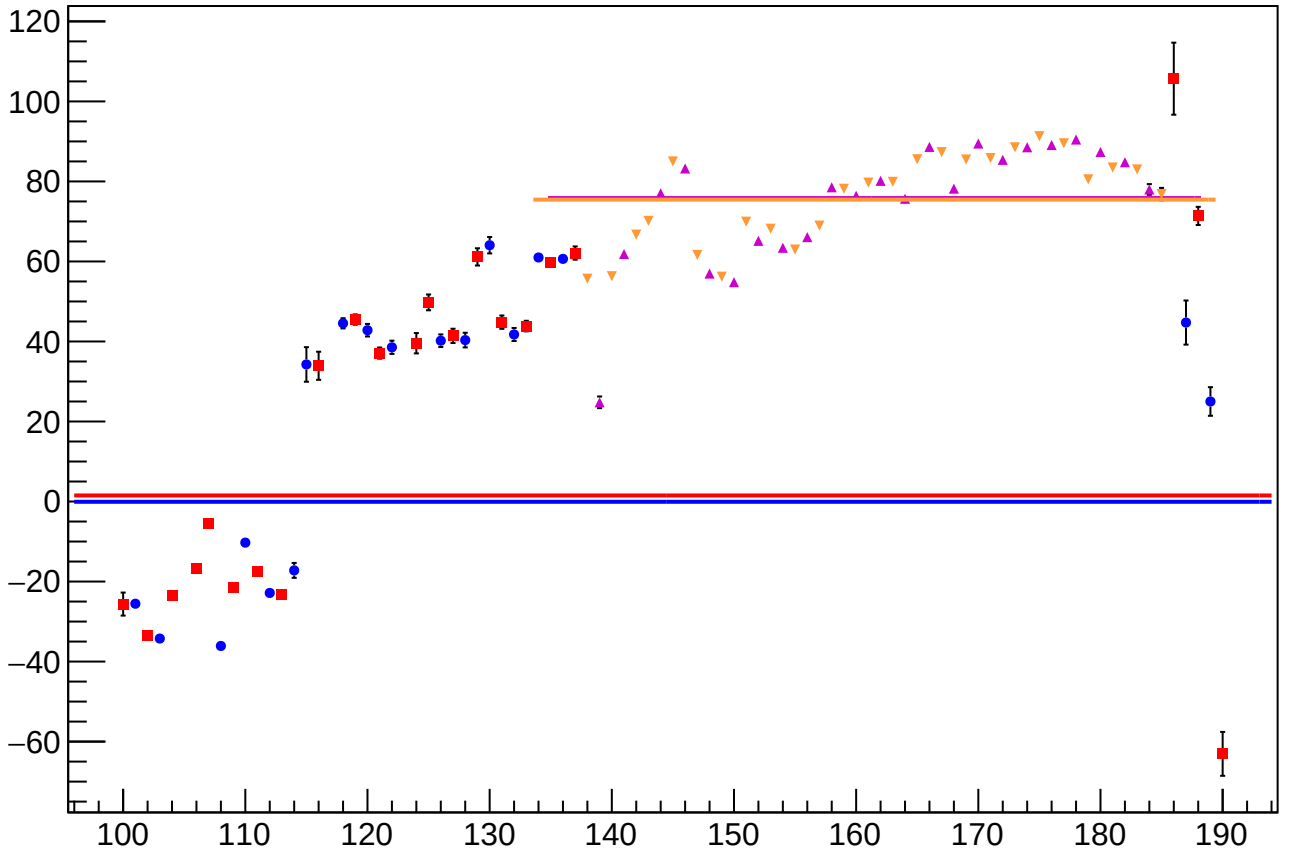
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 17.289+/-0.149 χ^2/NDF: 12333.2/39

In: 34.127+/-0.153 χ^2/NDF:21670.0/40

Out: 34.976+/-0.151 χ^2/NDF:20547.3/46

All: 34.560+/-0.107 χ^2/NDF: 42232.9/87



Right In: -0.061+/-0.260 χ^2/NDF: 21146.8/17

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.514+/-0.261 χ^2/NDF: 17258.4/21

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

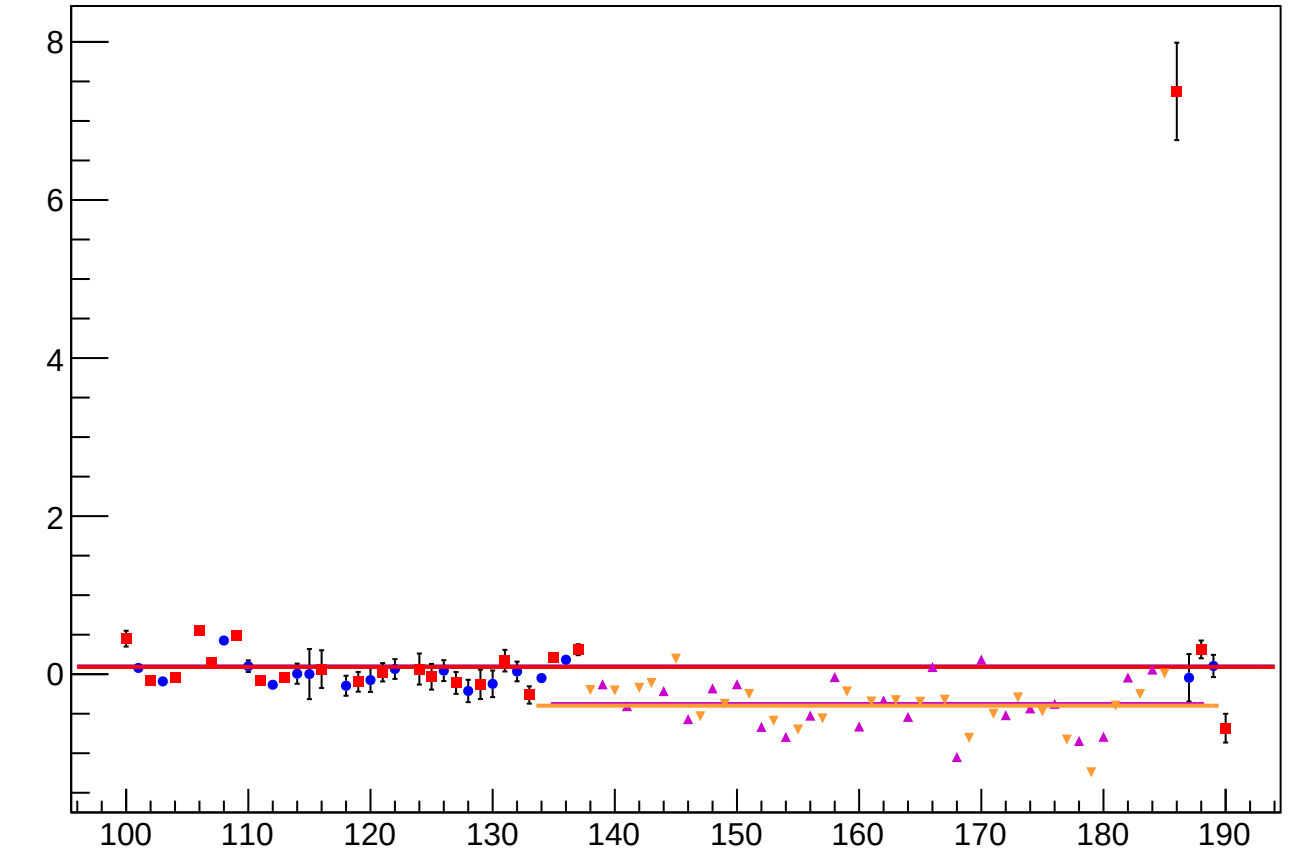
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.723+/-0.185 χ^2/NDF: 38423.4/39

In: 48.170+/-0.157 χ^2/NDF:79398.0/40

Out: 50.188+/-0.153 χ^2/NDF:73375.7/46

All: 49.208+/-0.110 χ^2/NDF: 152858.4/87



Right In: 0.097+/-0.011 χ^2/NDF: 299.4/17

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.092+/-0.011 χ^2/NDF: 561.1/21

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

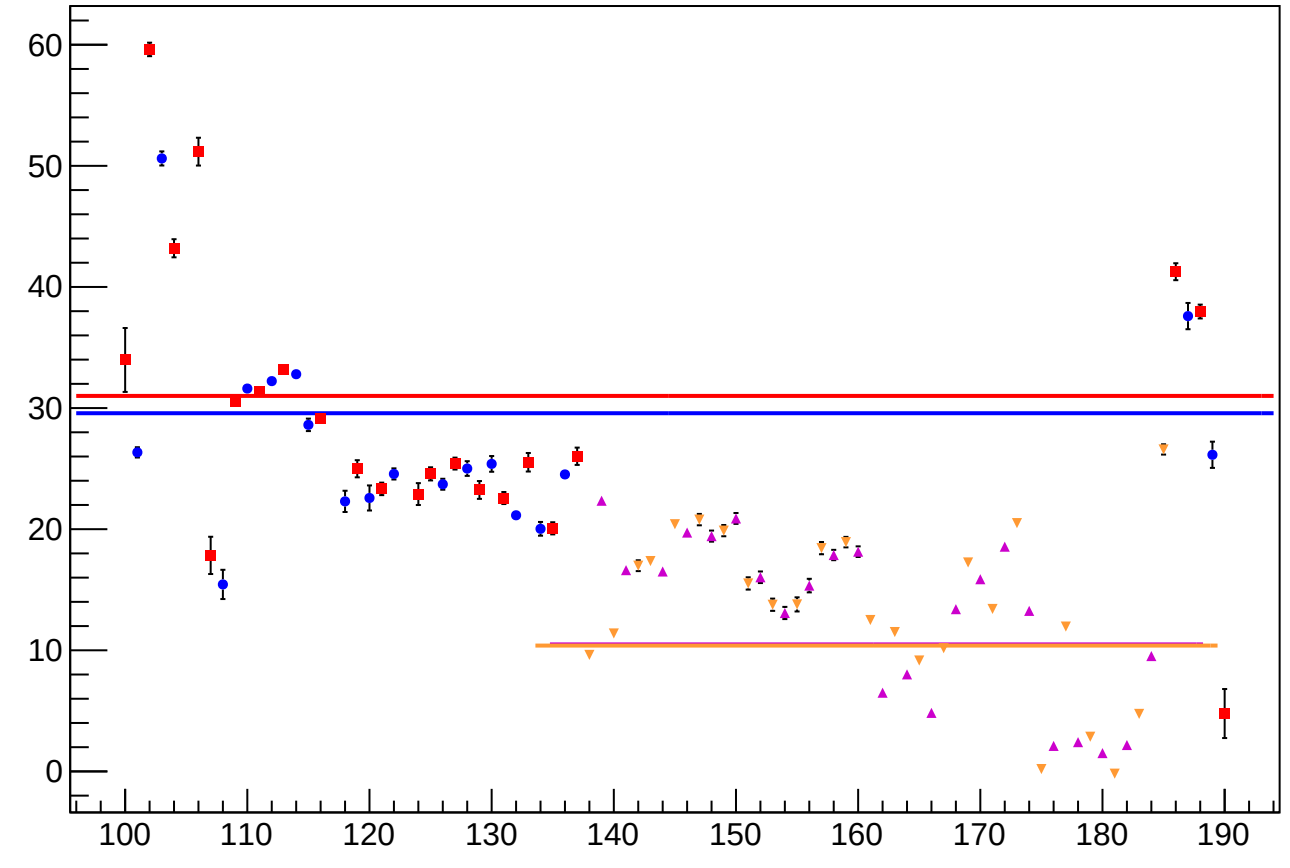
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: 0.095+/-0.008 χ^2/NDF: 860.5/39

In: -0.201+/-0.007 χ^2/NDF:2783.4/40

Out: -0.224+/-0.007 χ^2/NDF:2803.4/46

All: -0.213+/-0.005 χ^2/NDF: 5592.2/87



Right In: 29.575+/-0.091 χ^2/NDF: 3437.1/17

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 31.004+/-0.079 χ^2/NDF: 5619.1/21

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

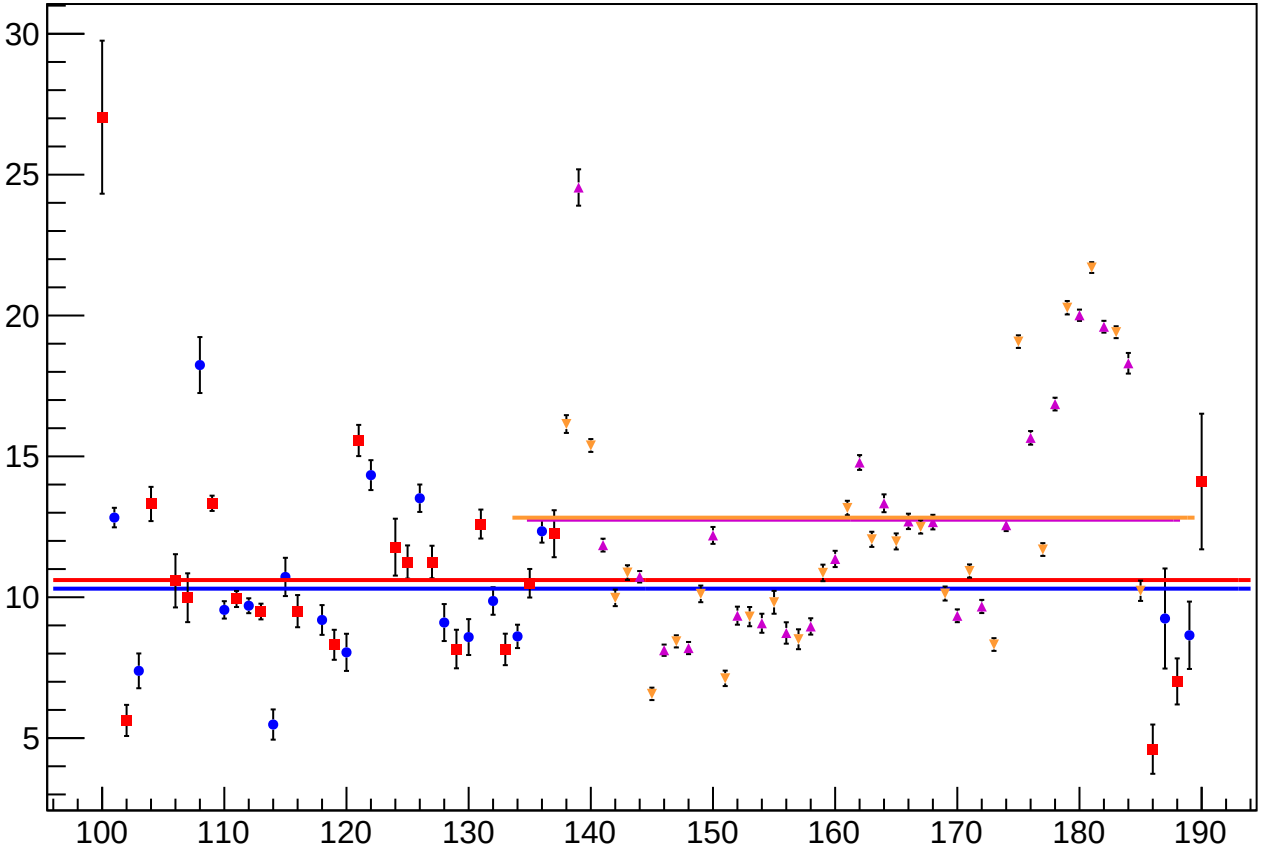
Right: 30.394+/-0.060 χ^2/NDF: 9196.6/39

In: 17.141+/-0.054 χ^2/NDF:43405.3/40

Out: 18.602+/-0.050 χ^2/NDF:60578.9/46

All: 17.930+/-0.037 χ^2/NDF: 104381.0/87

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.304+/-0.113 χ^2/NDF: 404.9/17

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.610+/-0.111 χ^2/NDF: 486.4/21

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

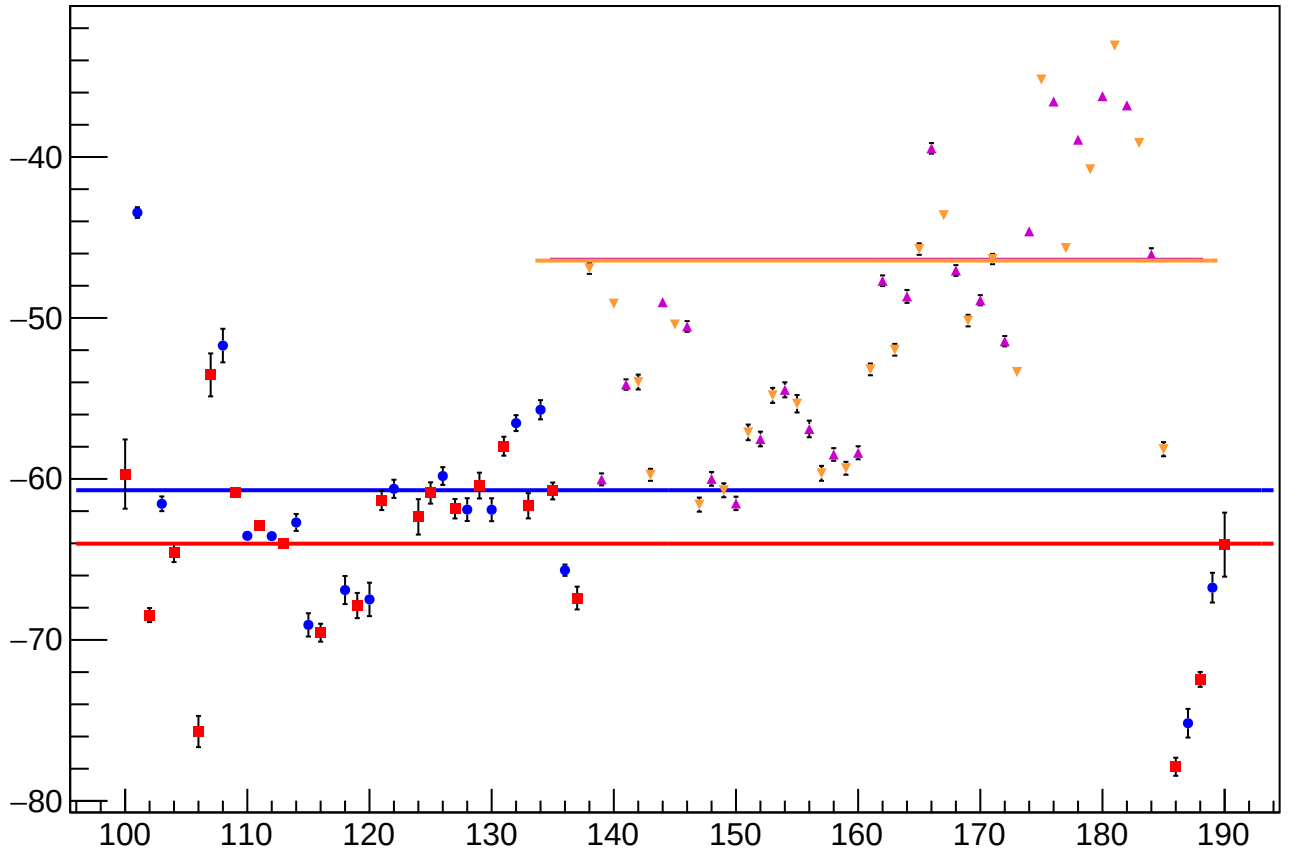
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

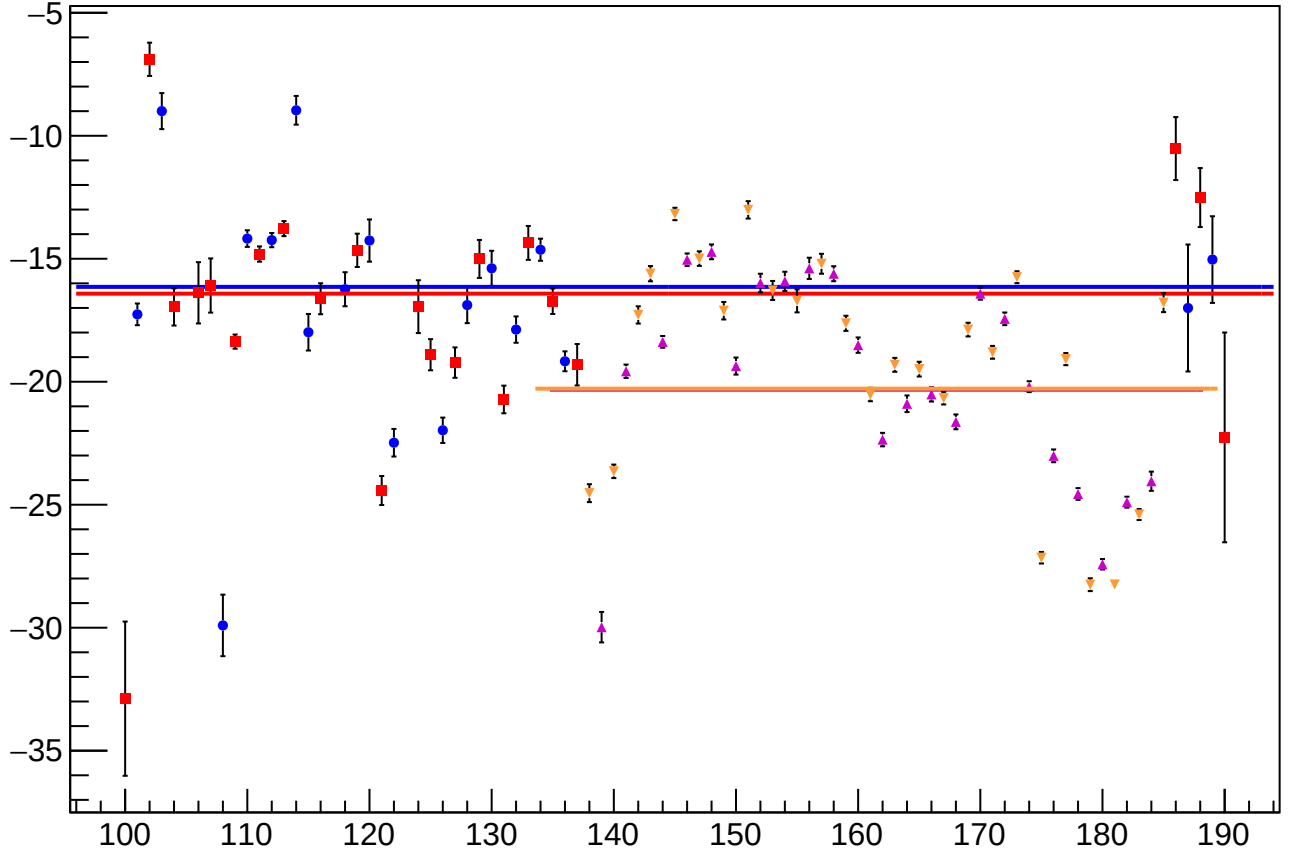
Right: 10.460+/-0.079 χ^2/NDF: 895.1/39

In: 12.313+/-0.048 χ^2/NDF:6291.1/40

Out: 12.437+/-0.046 χ^2/NDF:8832.5/46

All: 12.377+/-0.033 χ^2/NDF: 15127.0/87


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
100
110
120
130
140
150
160
170
180
190
Right In: -60.700+/-0.111 χ²/NDF: 3912.1/17
Left Out: -46.435+/-0.064 χ²/NDF:18170.4/24
Right Out: -64.021+/-0.103 χ²/NDF: 1866.0/21
Left In: -46.383+/-0.067 χ²/NDF:15080.6/22
Left: -46.410+/-0.046 χ²/NDF: 33251.4/47
Right: -62.496+/-0.075 χ²/NDF: 6259.5/39
In: -50.175+/-0.057 χ²/NDF:31159.6/40
Out: -51.410+/-0.055 χ²/NDF:41114.2/46
All: -50.822+/-0.040 χ²/NDF: 72517.5/87



Right In: -16.143+/-0.127 χ^2/NDF: 797.6/17

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.419+/-0.123 χ^2/NDF: 719.0/21

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

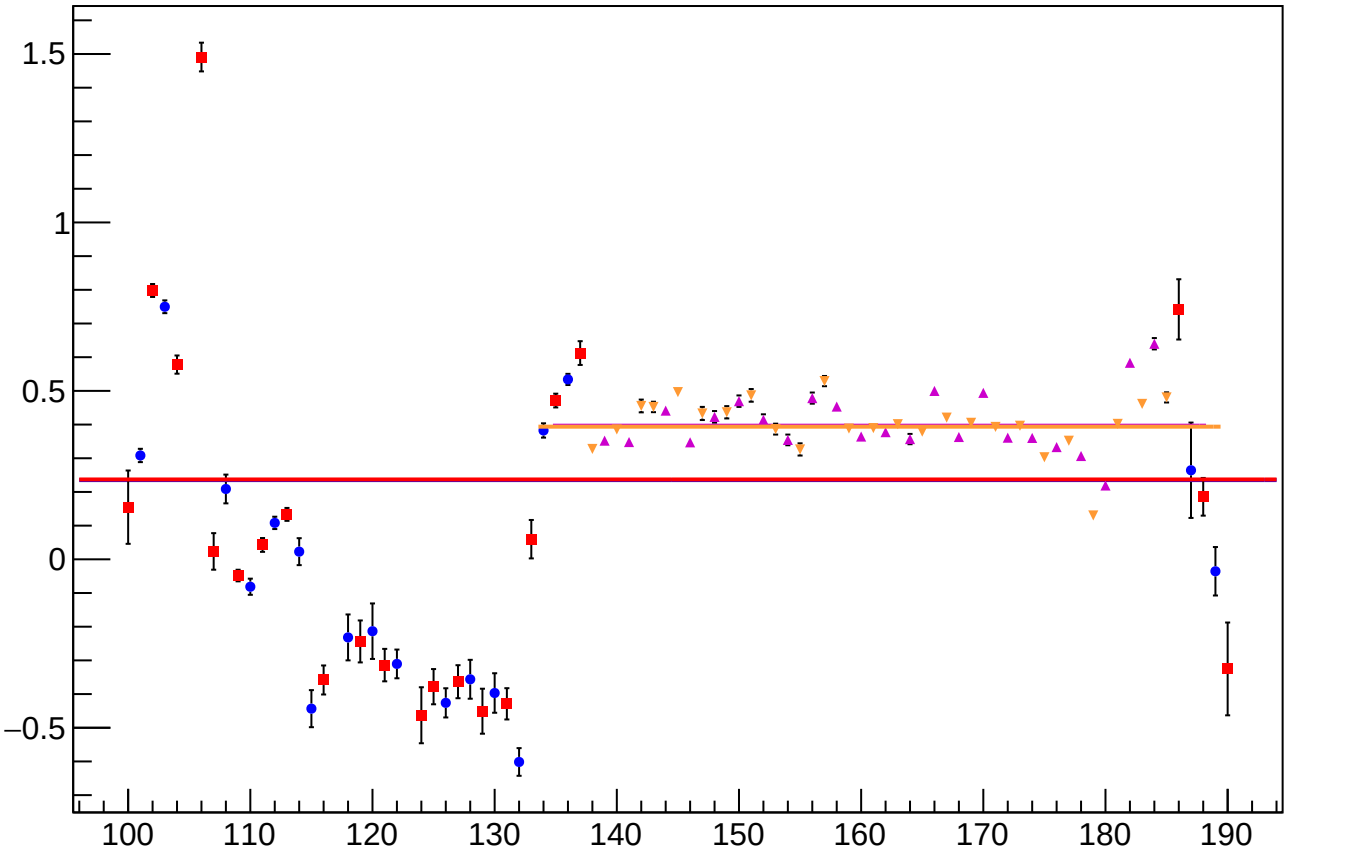
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.285+/-0.088 χ^2/NDF: 1519.0/39

In: -19.577+/-0.054 χ^2/NDF:5964.9/40

Out: -19.600+/-0.052 χ^2/NDF:8546.1/46

All: -19.589+/-0.037 χ^2/NDF: 14511.1/87



Right In: 0.235+/-0.007 χ^2/NDF: 2647.2/17

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.237+/-0.007 χ^2/NDF: 3644.4/21

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

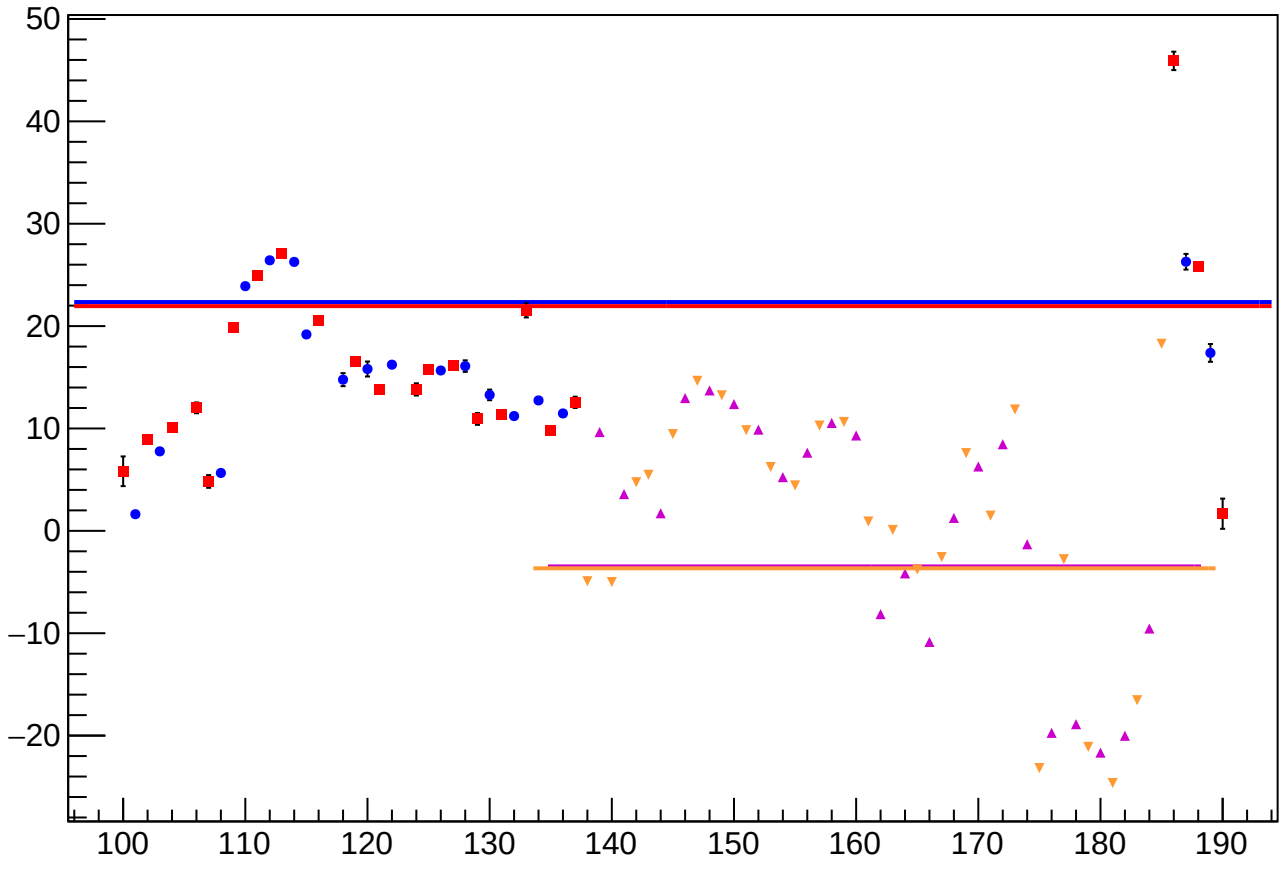
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.236+/-0.005 χ^2/NDF: 6291.6/39

In: 0.377+/-0.002 χ^2/NDF:4406.8/40

Out: 0.375+/-0.002 χ^2/NDF:5033.0/46

All: 0.376+/-0.002 χ^2/NDF: 9440.0/87



Right In: 22.351+/-0.056 χ^2/NDF: 12395.9/17

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.952+/-0.046 χ^2/NDF: 11682.6/21

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

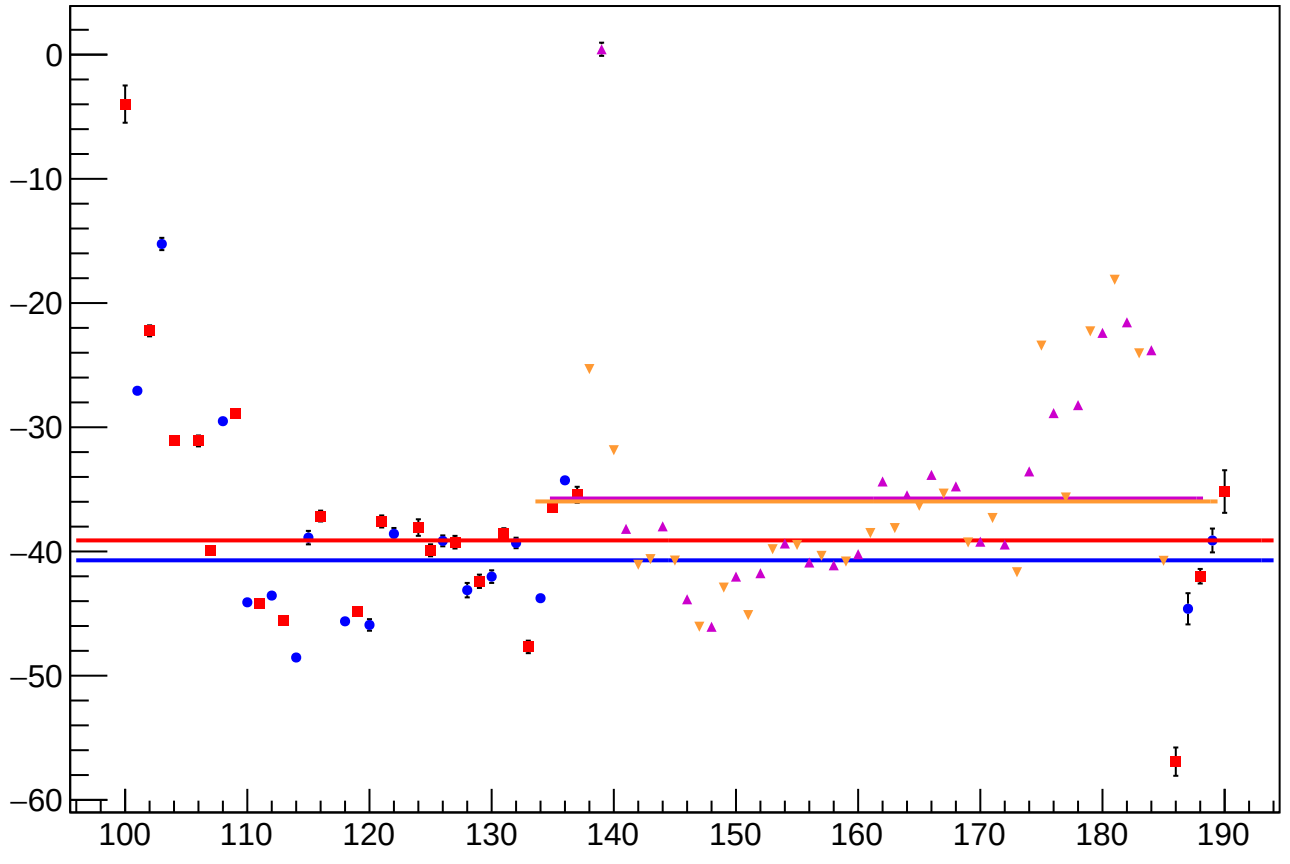
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 22.111+/-0.036 χ^2/NDF: 24108.6/39

In: 9.694+/-0.040 χ^2/NDF:160678.6/40

Out: 11.328+/-0.035 χ^2/NDF:197493.2/46

All: 10.621+/-0.026 χ^2/NDF: 359109.0/87



Right In: -40.713+/-0.076 χ^2/NDF: 7792.8/17

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.110+/-0.070 χ^2/NDF: 10377.1/21

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

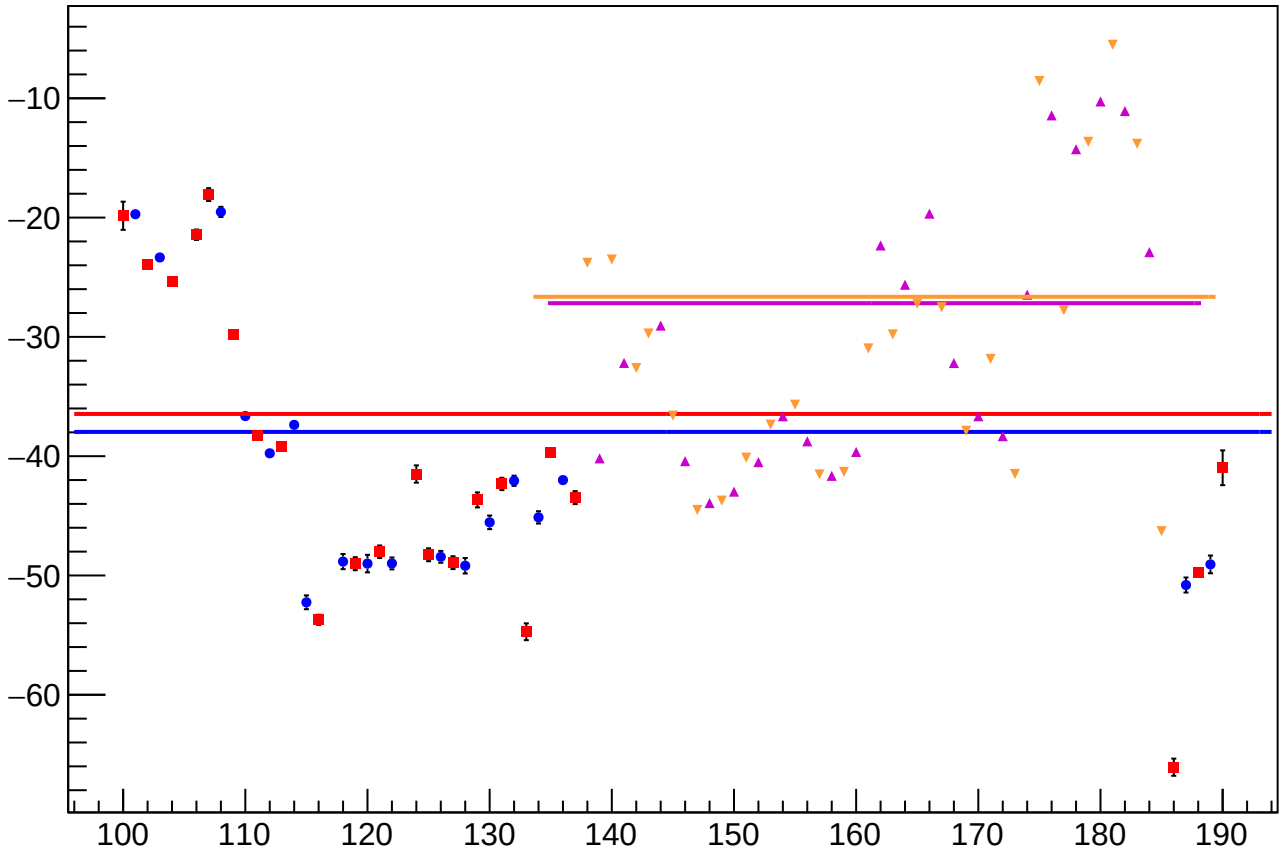
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.848+/-0.052 χ^2/NDF: 18409.3/39

In: -37.023+/-0.039 χ^2/NDF:38117.3/40

Out: -36.810+/-0.036 χ^2/NDF:45444.9/46

All: -36.910+/-0.026 χ^2/NDF: 83578.4/87



Right In: -37.966+/-0.073 χ^2/NDF: 11506.2/17

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.459+/-0.063 χ^2/NDF: 16719.5/21

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

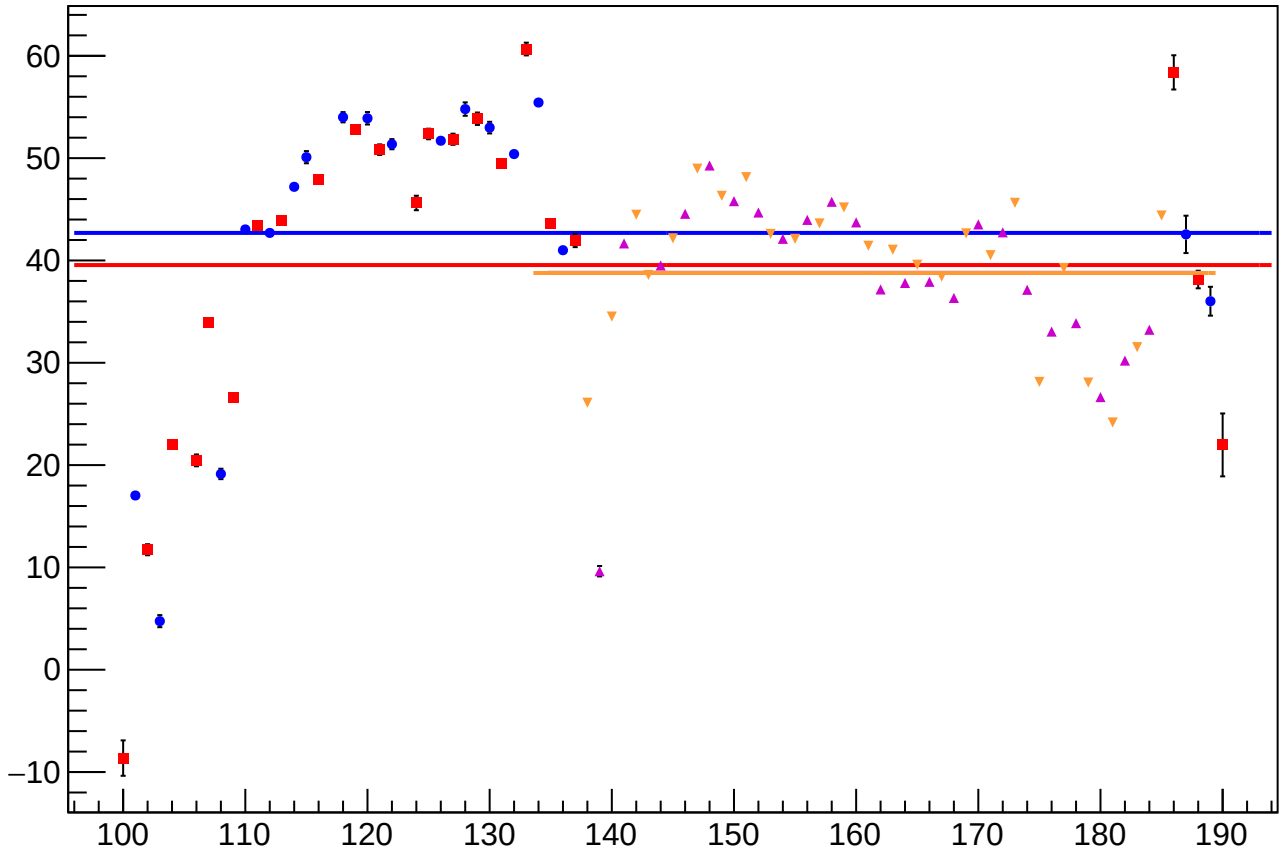
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -37.102+/-0.048 χ^2/NDF: 28470.6/39

In: -31.290+/-0.045 χ^2/NDF:66051.4/40

Out: -30.862+/-0.041 χ^2/NDF:80689.1/46

All: -31.057+/-0.030 χ^2/NDF: 146789.8/87



Right In: 42.693+/-0.085 χ^2/NDF: 14787.5/17

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.551+/-0.078 χ^2/NDF: 18140.2/21

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

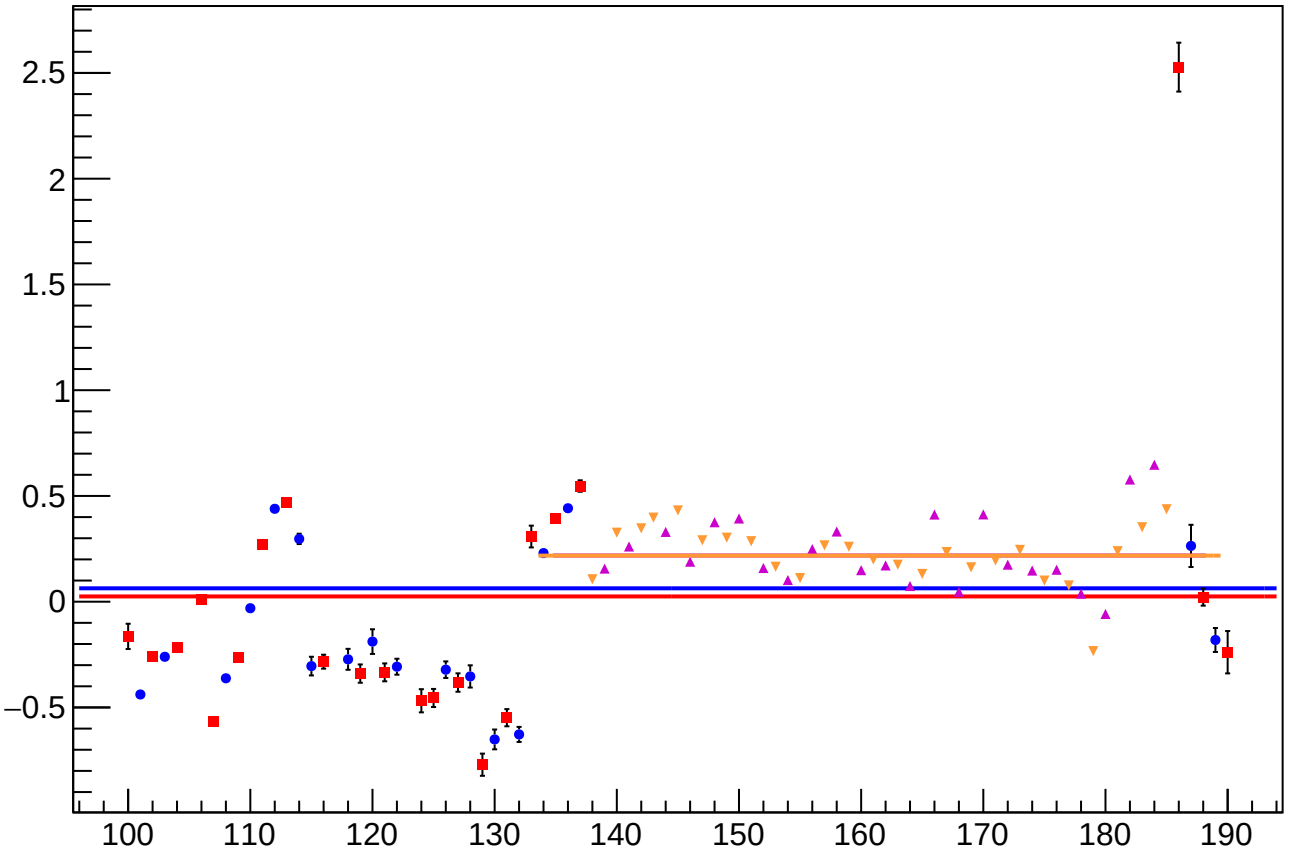
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 40.986+/-0.057 χ^2/NDF: 33673.6/39

In: 39.803+/-0.043 χ^2/NDF:32596.1/40

Out: 38.989+/-0.041 χ^2/NDF:39282.8/46

All: 39.372+/-0.030 χ^2/NDF: 72067.2/87



Right In: 0.063+/-0.005 χ^2/NDF: 5520.2/17

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6881.0/21

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

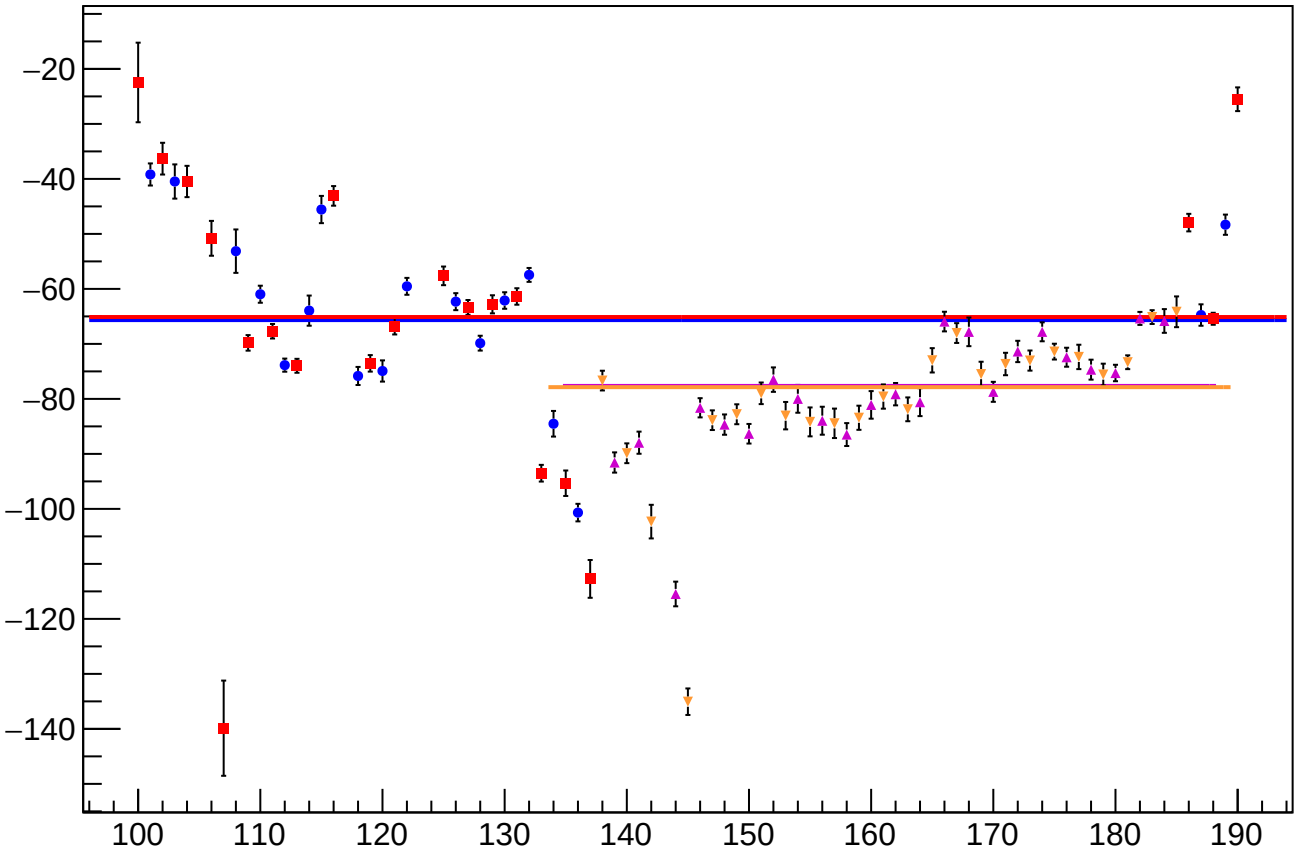
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.042+/-0.003 χ^2/NDF: 12436.1/39

In: 0.191+/-0.002 χ^2/NDF:11684.8/40

Out: 0.180+/-0.002 χ^2/NDF:12535.8/46

All: 0.185+/-0.001 χ^2/NDF: 24235.7/87



Right In: -65.673+/-0.406 χ^2/NDF: 1146.9/17

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -65.115+/-0.374 χ^2/NDF: 1748.0/20

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

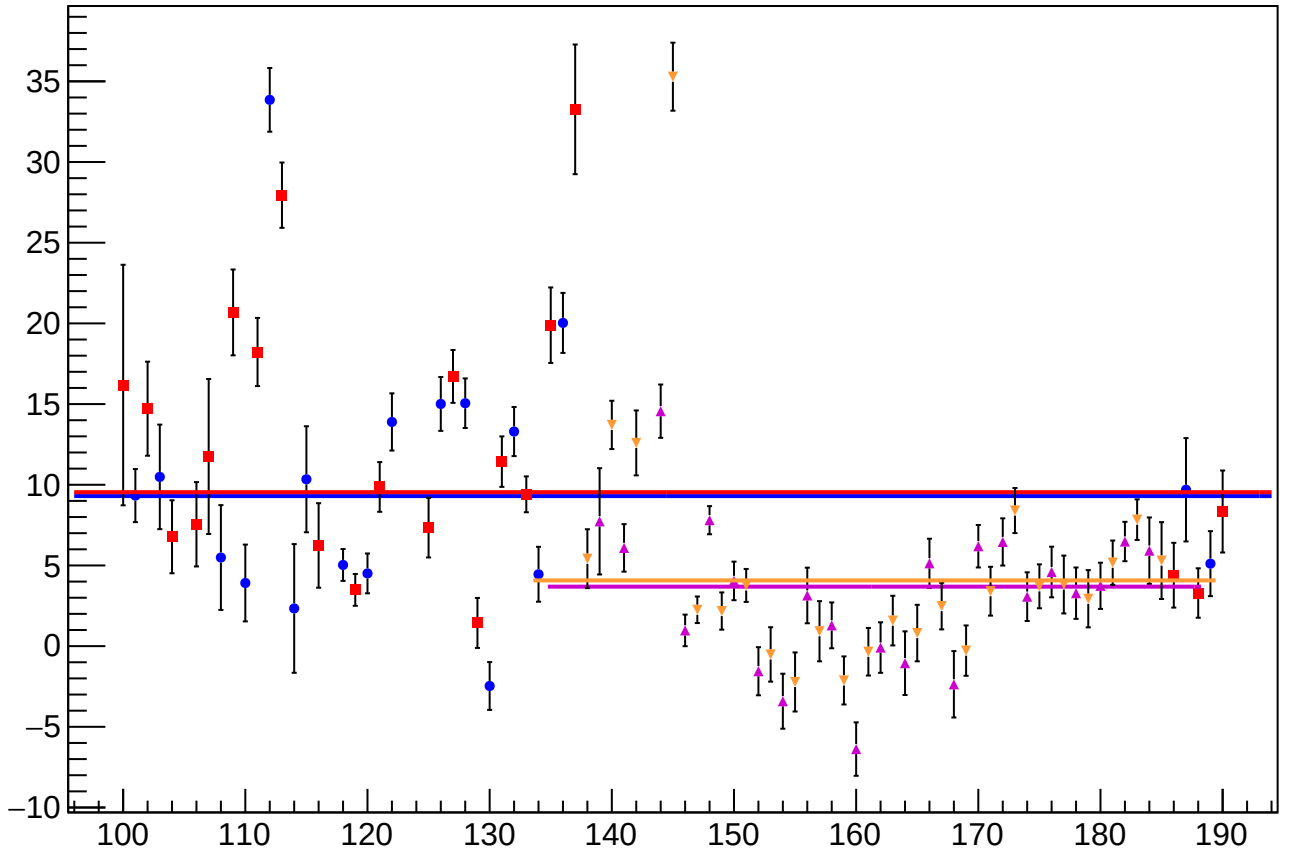
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -65.372+/-0.275 χ^2/NDF: 2895.9/38

In: -71.800+/-0.284 χ^2/NDF:2285.2/40

Out: -71.166+/-0.271 χ^2/NDF:3230.5/44

All: -71.469+/-0.196 χ^2/NDF: 5518.3/85



Right In: 9.298+/-0.415 χ^2/NDF: 346.5/17

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.541+/-0.405 χ^2/NDF: 290.1/20

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

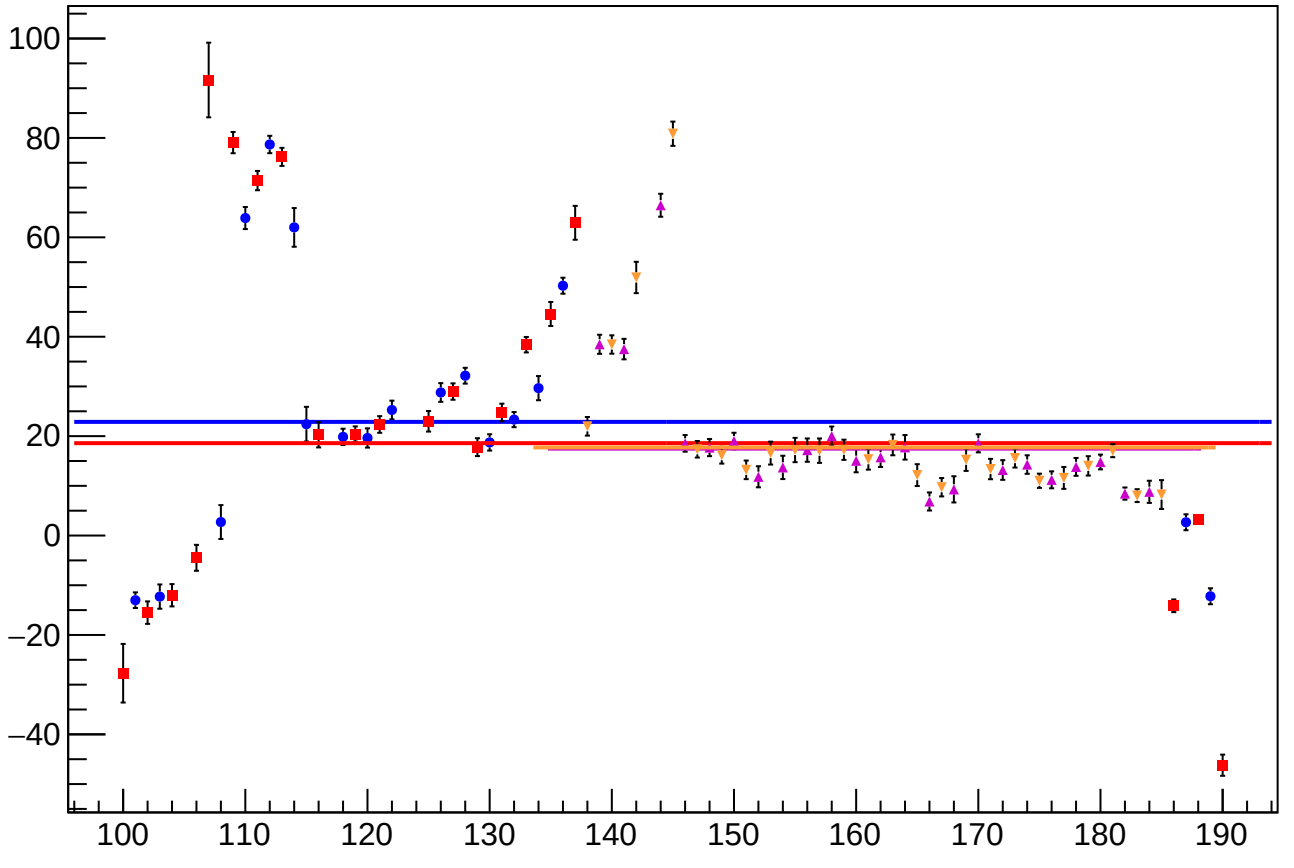
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.423+/-0.290 χ^2/NDF: 636.7/38

In: 5.625+/-0.244 χ^2/NDF:648.6/40

Out: 5.984+/-0.239 χ^2/NDF:779.3/44

All: 5.808+/-0.171 χ^2/NDF: 1429.0/85



Right In: 22.869+/-0.444 χ^2/NDF: 3216.1/17

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 18.588+/-0.398 χ^2/NDF: 5581.4/20

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

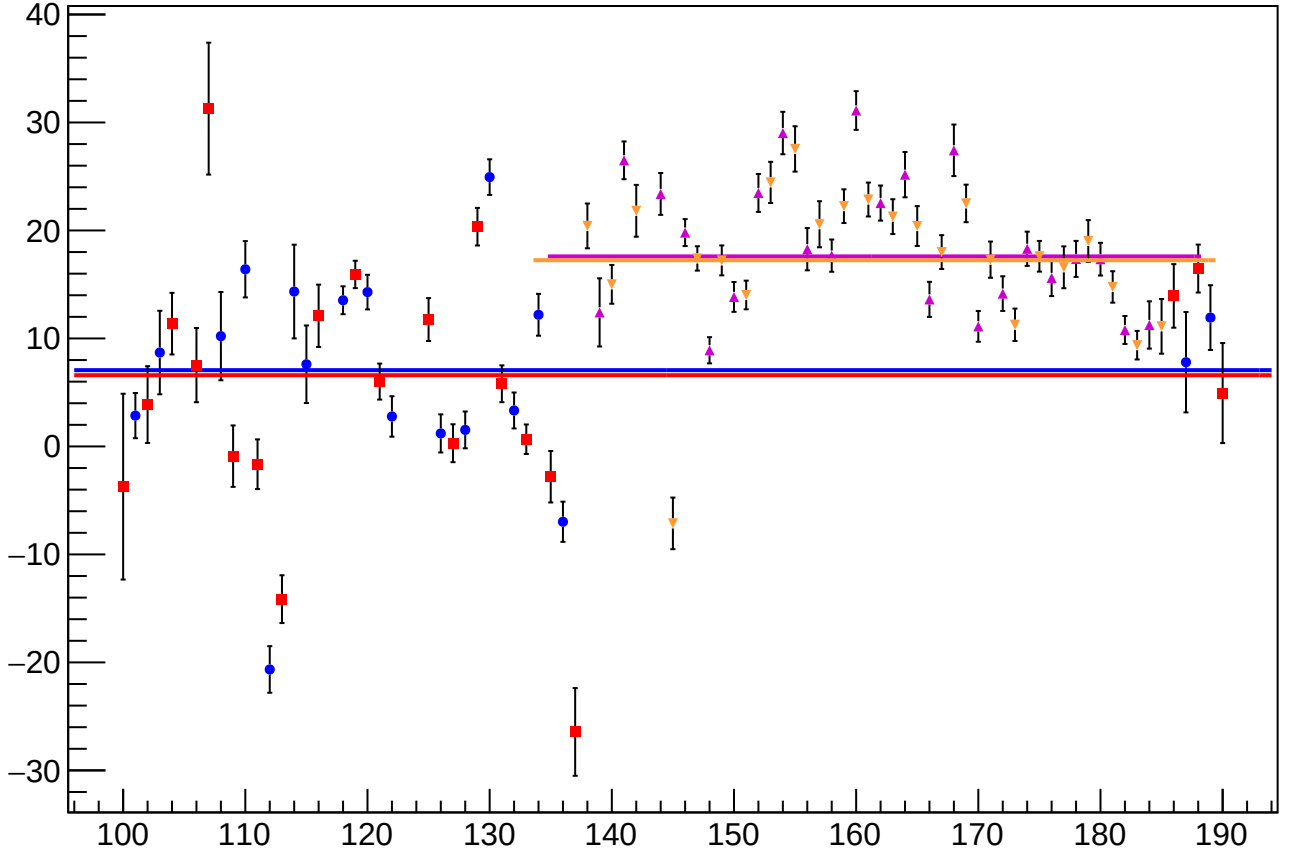
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 20.495+/-0.296 χ^2/NDF: 8849.0/38

In: 19.852+/-0.294 χ^2/NDF:4119.2/40

Out: 18.148+/-0.279 χ^2/NDF:6642.1/44

All: 18.955+/-0.202 χ^2/NDF: 10778.9/85



Right In: 7.063+/-0.486 χ^2/NDF: 447.1/17

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.595+/-0.480 χ^2/NDF: 395.8/20

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

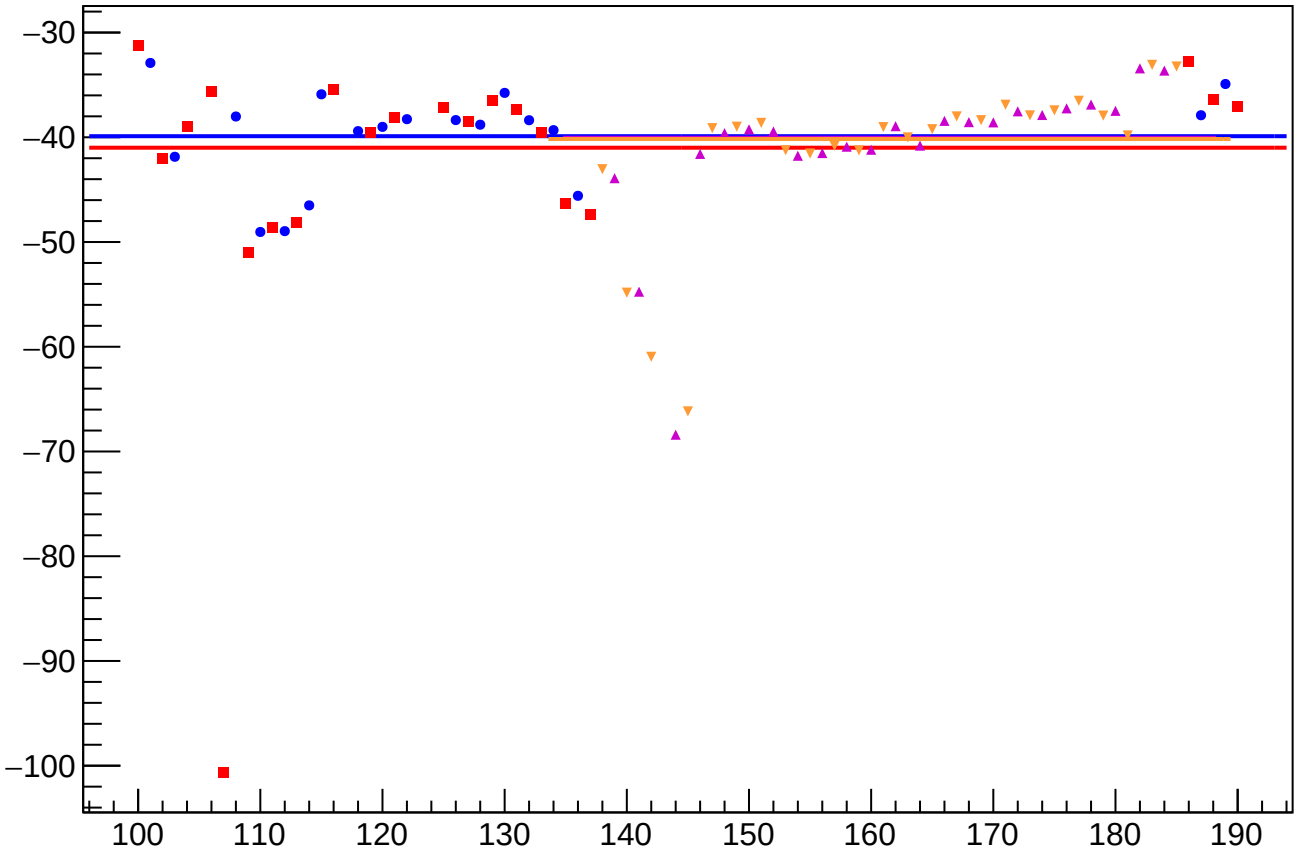
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.826+/-0.342 χ^2/NDF: 843.3/38

In: 14.108+/-0.280 χ^2/NDF:1070.6/40

Out: 13.714+/-0.276 χ^2/NDF:985.5/44

All: 13.909+/-0.197 χ^2/NDF: 2057.0/85



Right In: -39.896+/-0.030 χ^2/NDF: 22737.4/17

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.995+/-0.030 χ^2/NDF: 63983.1/20

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

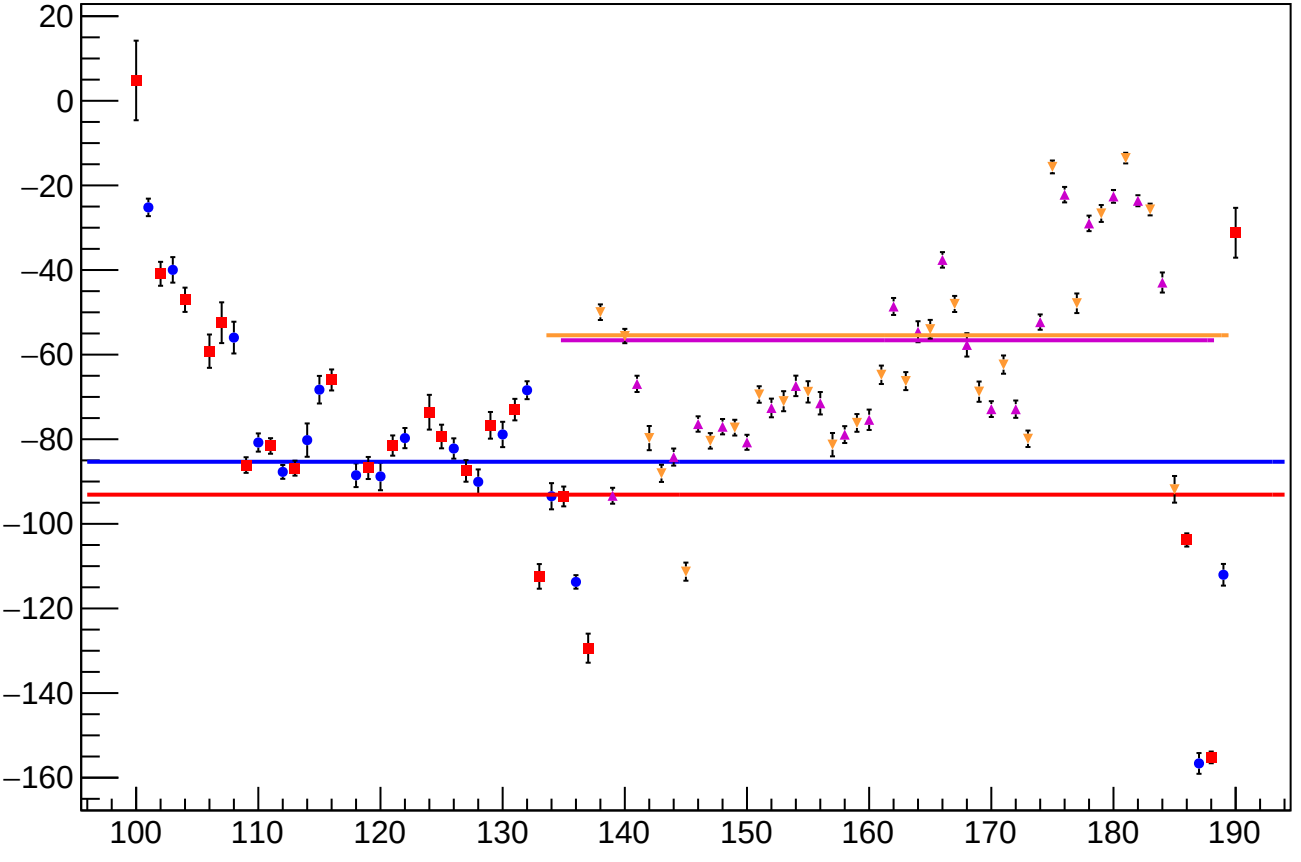
Right: -40.455+/-0.021 χ^2/NDF: 87398.1/38

In: -40.018+/-0.014 χ^2/NDF:159196.5/40

Out: -40.342+/-0.014 χ^2/NDF:227937.7/44

All: -40.180+/-0.010 χ^2/NDF: 387414.3/85

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -85.325+/-0.578 χ^2/NDF: 2524.1/17

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -93.100+/-0.520 χ^2/NDF: 3539.3/21

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

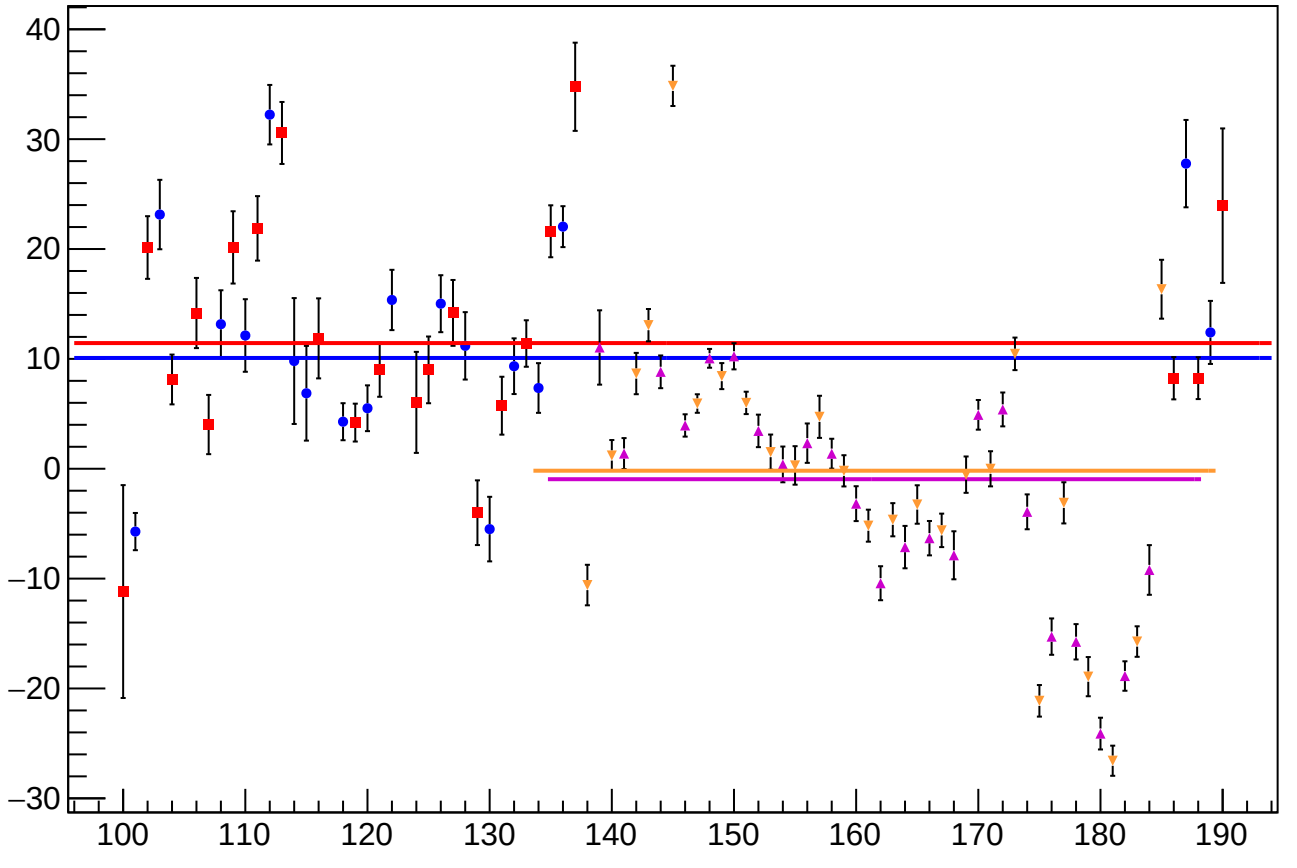
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -89.623+/-0.386 χ^2/NDF: 6163.5/39

In: -66.032+/-0.331 χ^2/NDF:7534.4/40

Out: -69.145+/-0.314 χ^2/NDF:11406.7/46

All: -67.672+/-0.228 χ^2/NDF: 18987.7/87



Right In: 10.084+/-0.600 χ^2/NDF: 288.3/17

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.439+/-0.574 χ^2/NDF: 205.5/21

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

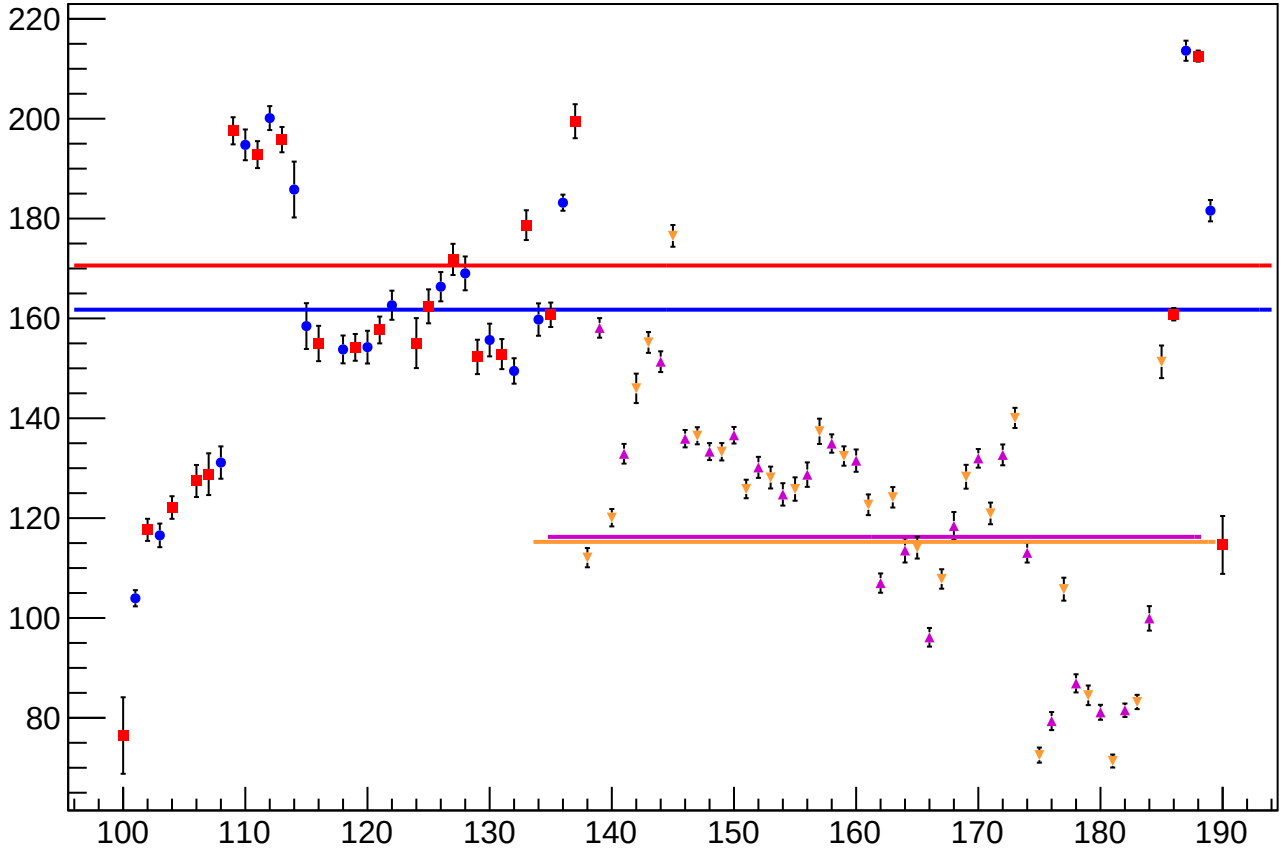
Right: 10.791+/-0.415 χ^2/NDF: 496.4/39

In: 1.302+/-0.271 χ^2/NDF:1626.8/40

Out: 2.235+/-0.262 χ^2/NDF:2128.2/46

All: 1.785+/-0.188 χ^2/NDF: 3761.2/87

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 161.751+/-0.603 χ^2/NDF: 3090.6/17

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 170.598+/-0.525 χ^2/NDF: 3563.8/21

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

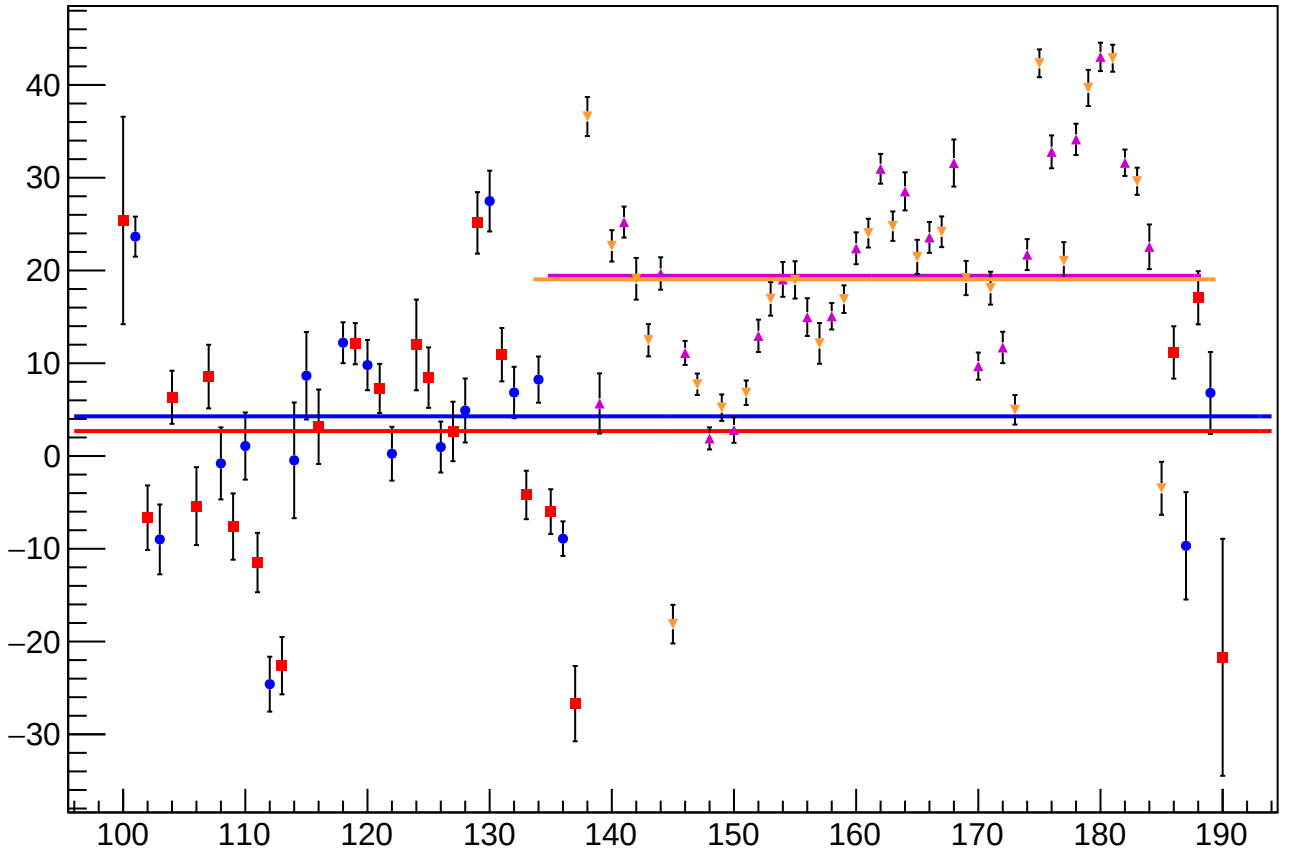
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

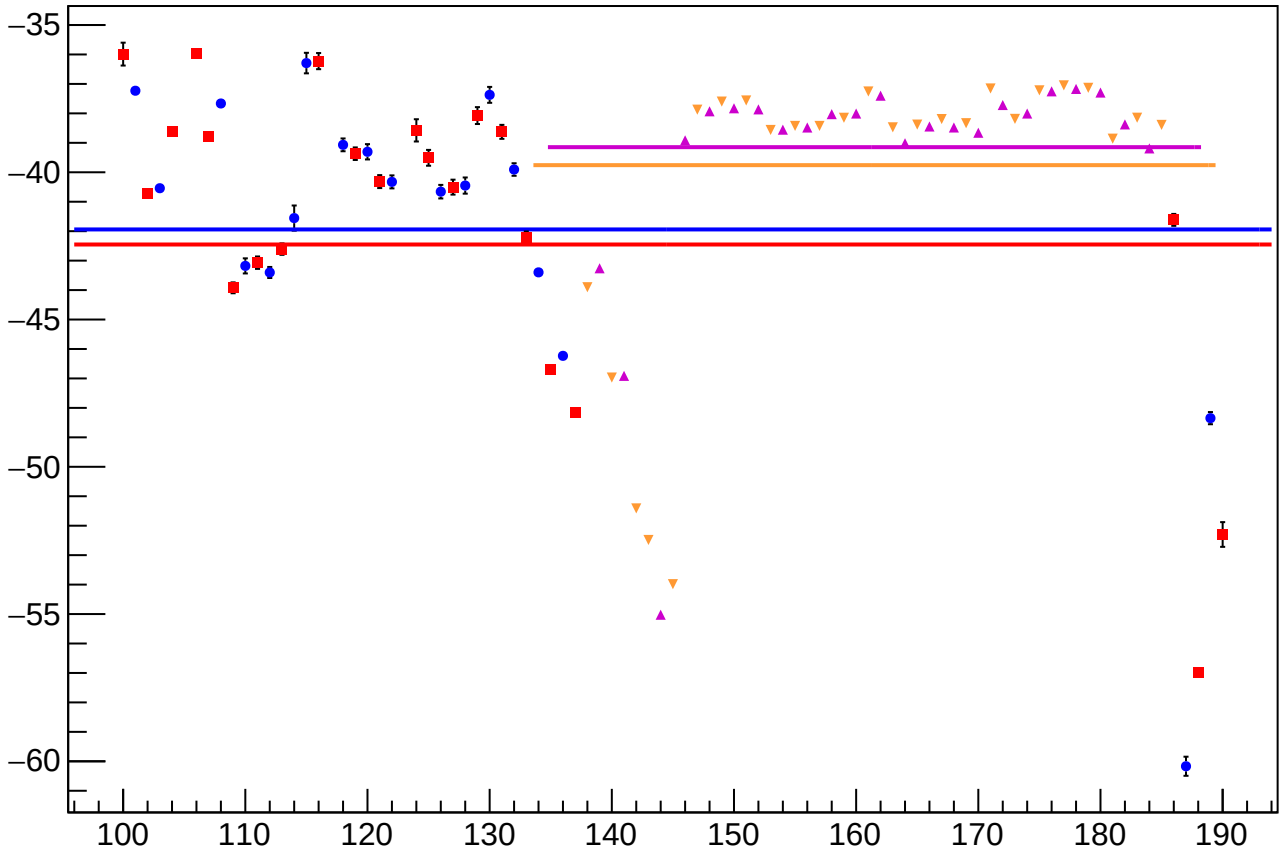
Right: 166.786+/-0.396 χ^2/NDF: 6776.8/39

In: 130.105+/-0.333 χ^2/NDF:10686.0/40

Out: 134.957+/-0.313 χ^2/NDF:15562.2/46

All: 132.678+/-0.228 χ^2/NDF: 26360.8/87


reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 4.278+/-0.700 χ²/NDF: 322.3/17
Left Out: 19.046+/-0.336 χ²/NDF:1545.8/24
Right Out: 2.686+/-0.687 χ²/NDF: 306.5/21
Left In: 19.425+/-0.346 χ²/NDF:1077.2/22
Left: 19.230+/-0.241 χ²/NDF: 2623.6/47
Right: 3.467+/-0.490 χ²/NDF: 631.4/39
In: 16.452+/-0.310 χ²/NDF:1776.2/40
Out: 15.883+/-0.302 χ²/NDF:2310.3/46
All: 16.160+/-0.216 χ²/NDF: 4088.2/87



Right In: -41.941+/-0.037 χ^2/NDF: 12182.7/17

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.452+/-0.037 χ^2/NDF: 18426.2/21

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

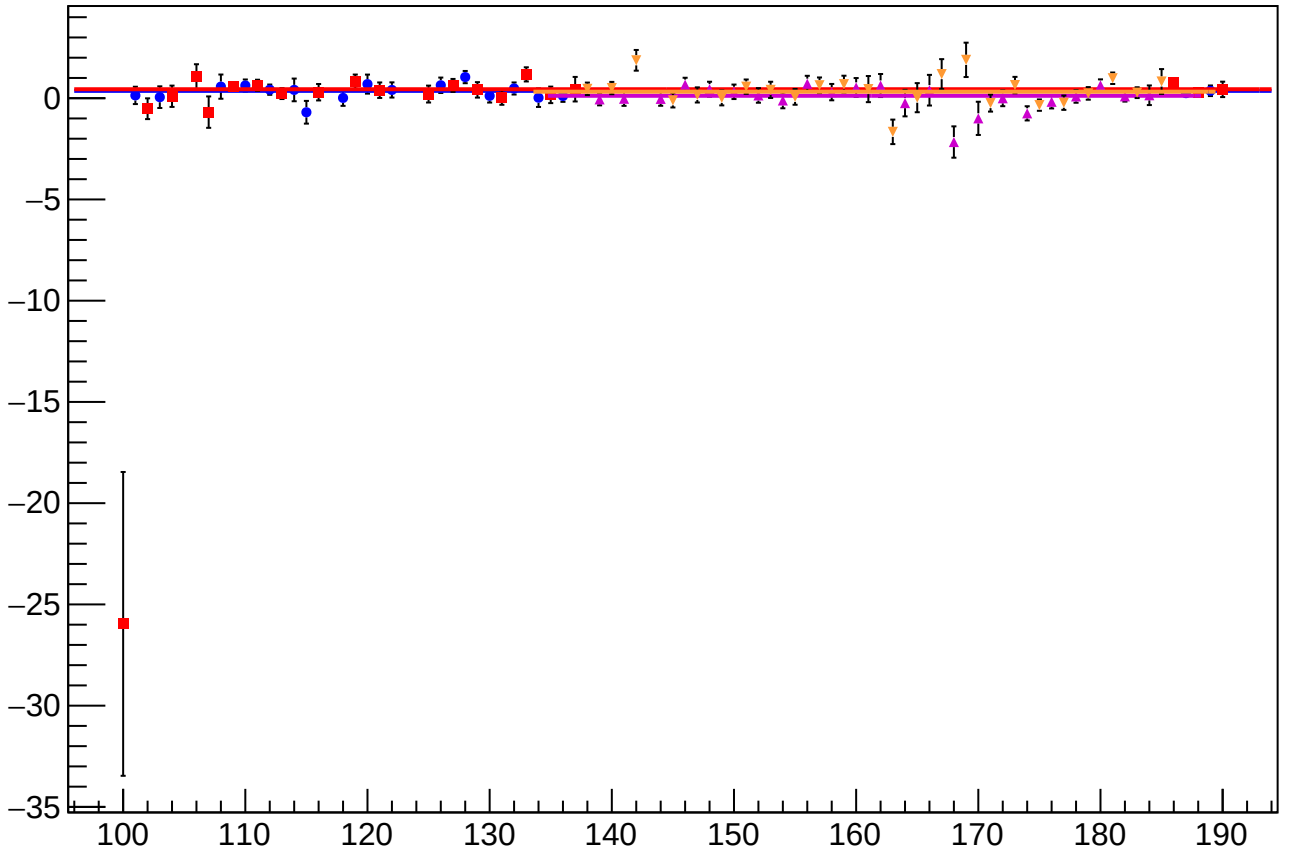
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -42.195+/-0.026 χ^2/NDF: 30702.7/39

In: -39.565+/-0.014 χ^2/NDF:63878.7/40

Out: -40.149+/-0.014 χ^2/NDF:104715.6/46

All: -39.860+/-0.010 χ^2/NDF: 169425.7/87



Right In: 0.363+/-0.081 χ^2/NDF: 14.3/17

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.443+/-0.067 χ^2/NDF: 34.5/20

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

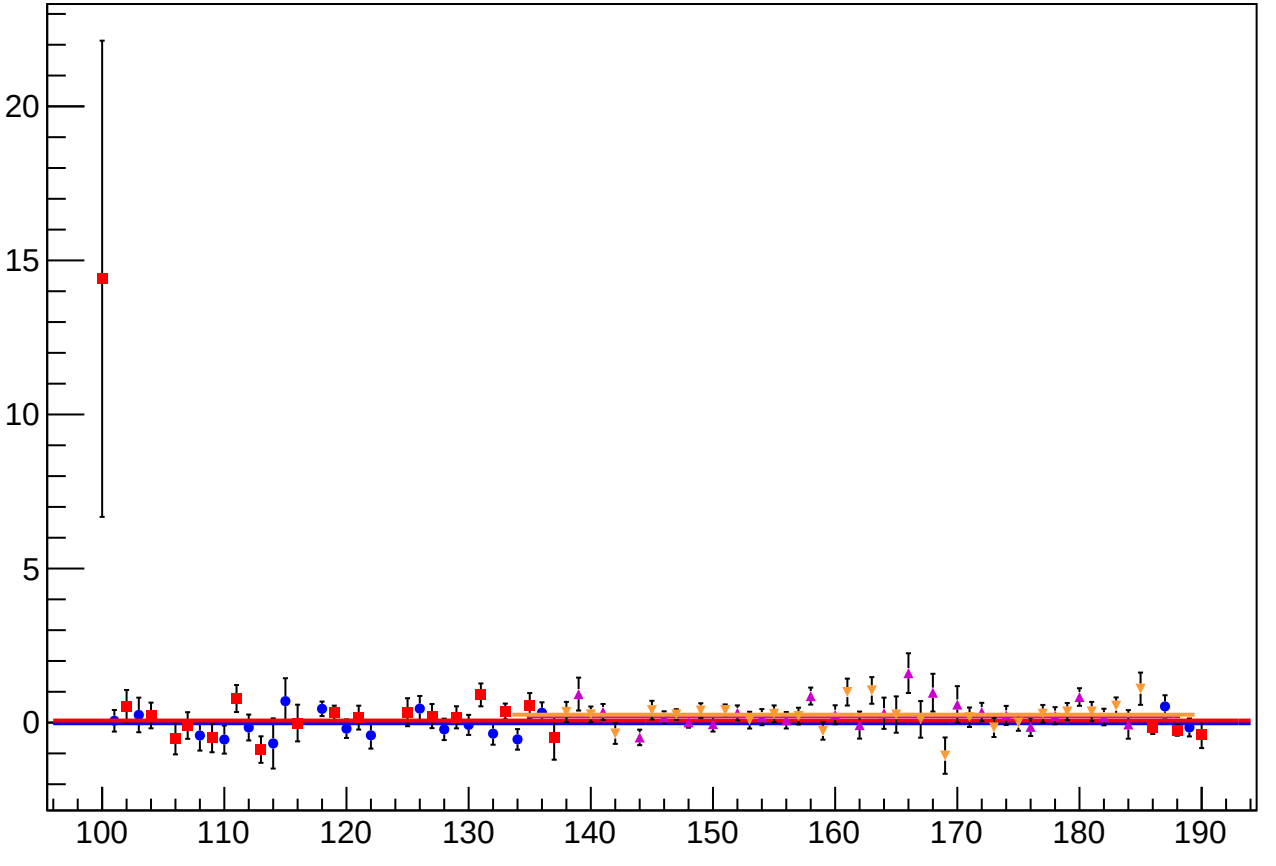
Right: 0.411+/-0.051 χ^2/NDF: 49.4/38

In: 0.239+/-0.057 χ^2/NDF:48.9/40

Out: 0.392+/-0.051 χ^2/NDF:82.8/44

All: 0.324+/-0.038 χ^2/NDF: 135.7/85

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.020+/-0.087 χ^2/NDF: 17.6/17

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.066+/-0.077 χ^2/NDF: 29.6/20

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

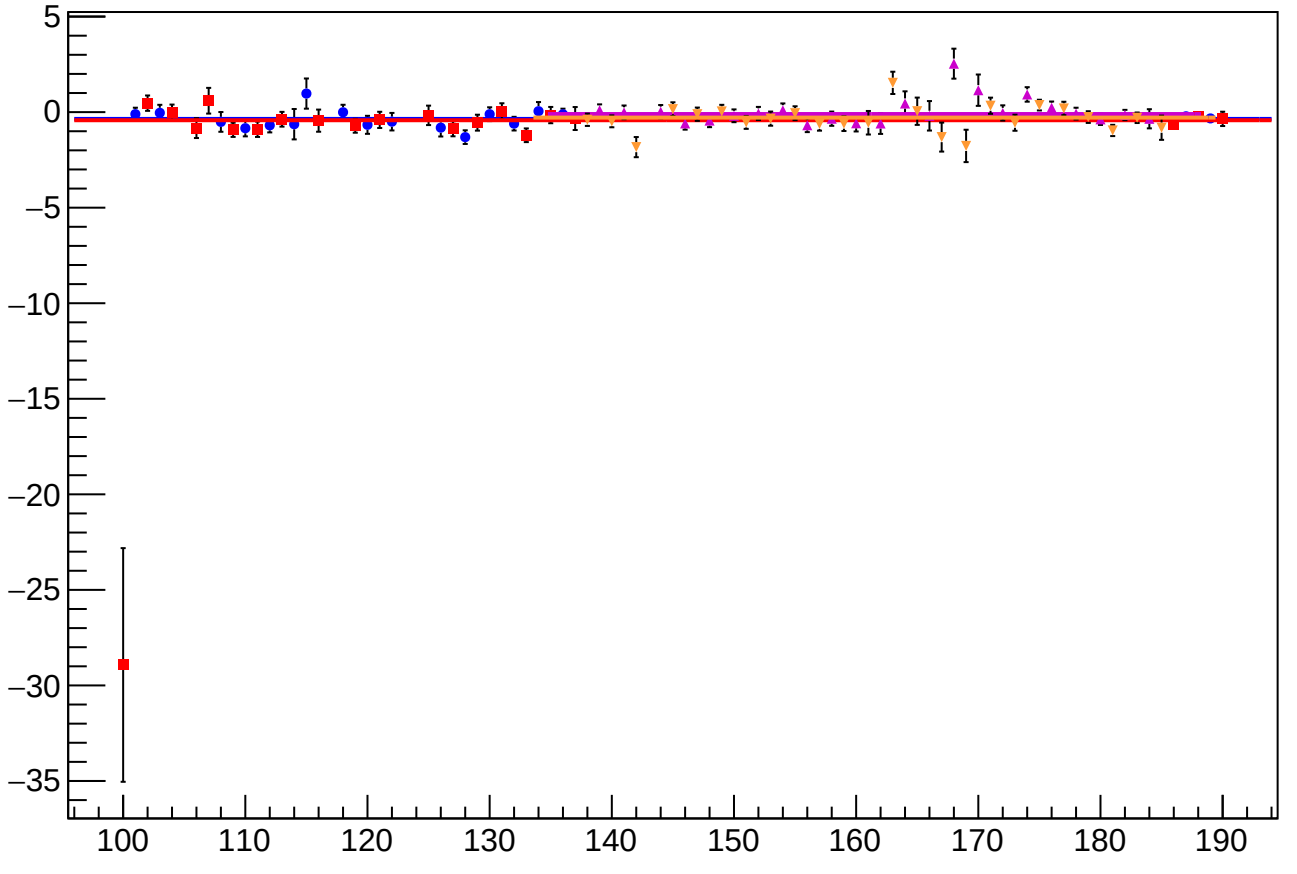
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.028+/-0.058 χ^2/NDF: 47.7/38

In: 0.133+/-0.050 χ^2/NDF:54.0/40

Out: 0.186+/-0.047 χ^2/NDF:60.0/44

All: 0.161+/-0.034 χ^2/NDF: 114.6/85



Right In: -0.356+/-0.083 χ^2/NDF: 18.6/17

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.424+/-0.064 χ^2/NDF: 48.0/20

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

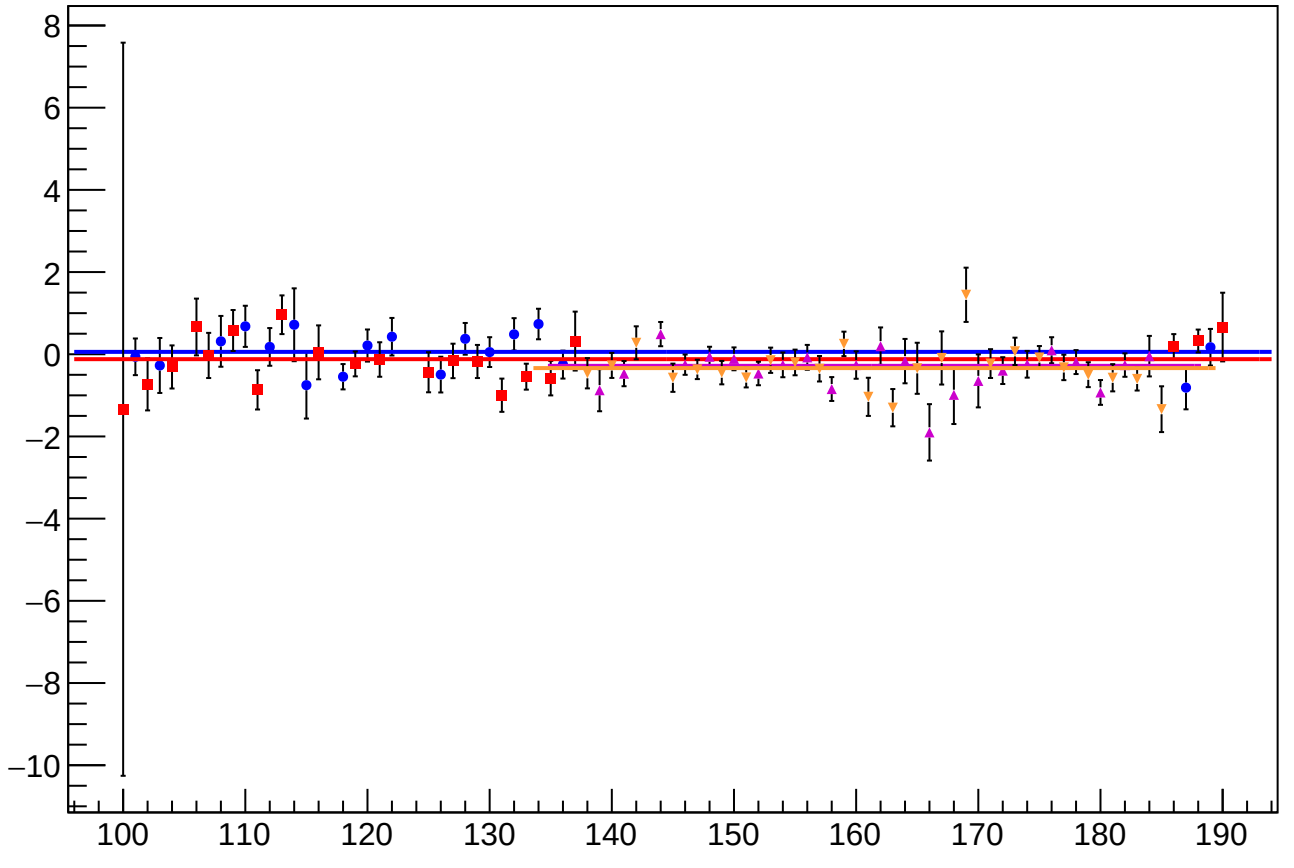
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.399+/-0.051 χ^2/NDF: 67.0/38

In: -0.220+/-0.057 χ^2/NDF:56.8/40

Out: -0.368+/-0.049 χ^2/NDF:94.9/44

All: -0.305+/-0.037 χ^2/NDF: 155.6/85



Right In: 0.058+/-0.103 χ^2/NDF: 18.7/17

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.119+/-0.096 χ^2/NDF: 25.3/20

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

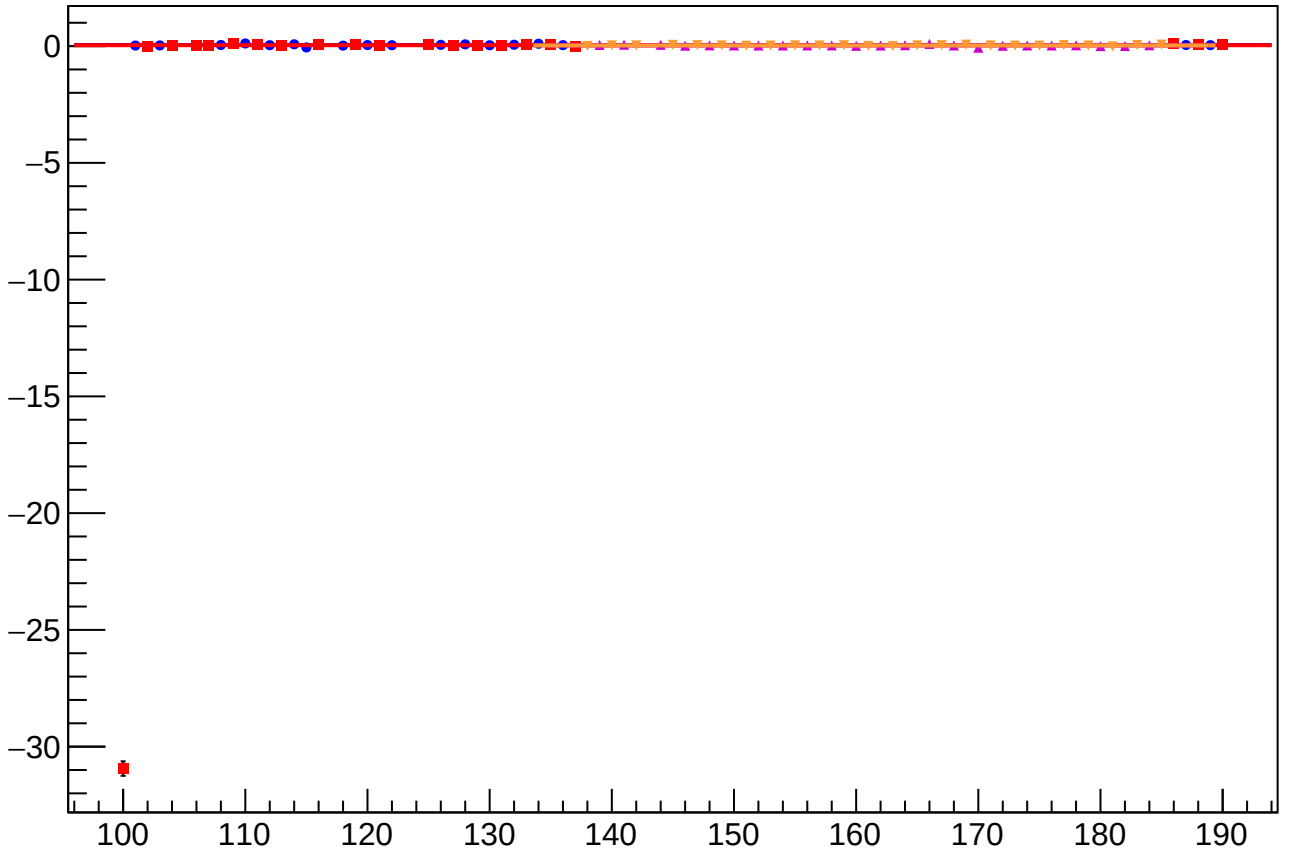
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.037+/-0.070 χ^2/NDF: 45.6/38

In: -0.177+/-0.057 χ^2/NDF:55.2/40

Out: -0.264+/-0.056 χ^2/NDF:58.8/44

All: -0.222+/-0.040 χ^2/NDF: 115.2/85



Right In: 0.048+/-0.006 χ^2/NDF: 19.3/17

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.006 χ^2/NDF: 10037.7/20

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

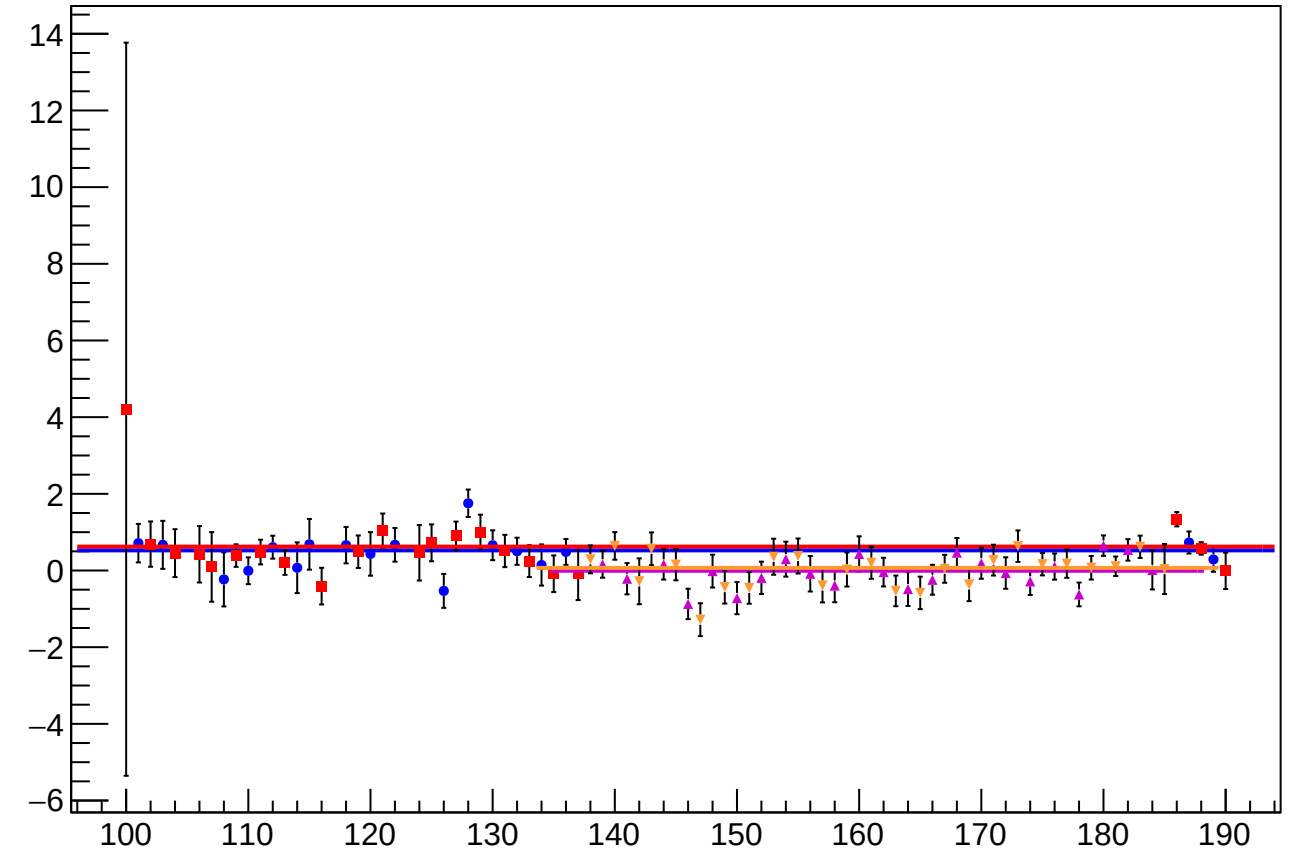
Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

Right: 0.043+/-0.004 χ^2/NDF: 10058.5/38

In: 0.033+/-0.003 χ^2/NDF:66.0/40

Out: 0.030+/-0.003 χ^2/NDF:10067.9/44

All: 0.032+/-0.002 χ^2/NDF: 10134.6/85



Right In: 0.525+/-0.097 χ^2/NDF: 23.7/17

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.623+/-0.079 χ^2/NDF: 30.7/21

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

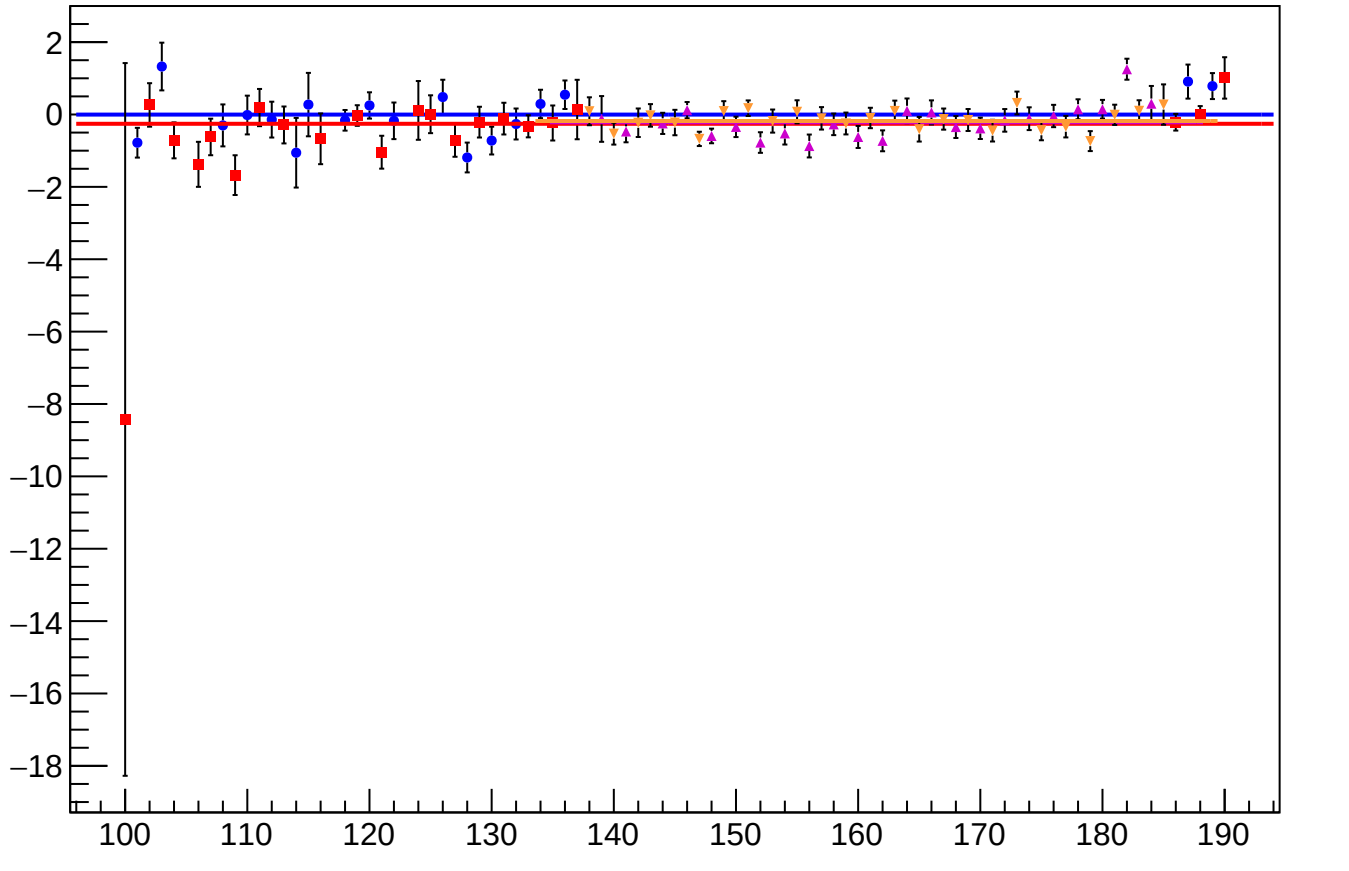
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.584+/-0.061 χ^2/NDF: 55.0/39

In: 0.207+/-0.061 χ^2/NDF:70.2/40

Out: 0.341+/-0.055 χ^2/NDF:87.1/46

All: 0.281+/-0.041 χ^2/NDF: 159.9/87



Right In: -0.003+/-0.104 χ^2/NDF: 34.4/17

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.257+/-0.091 χ^2/NDF: 25.5/21

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

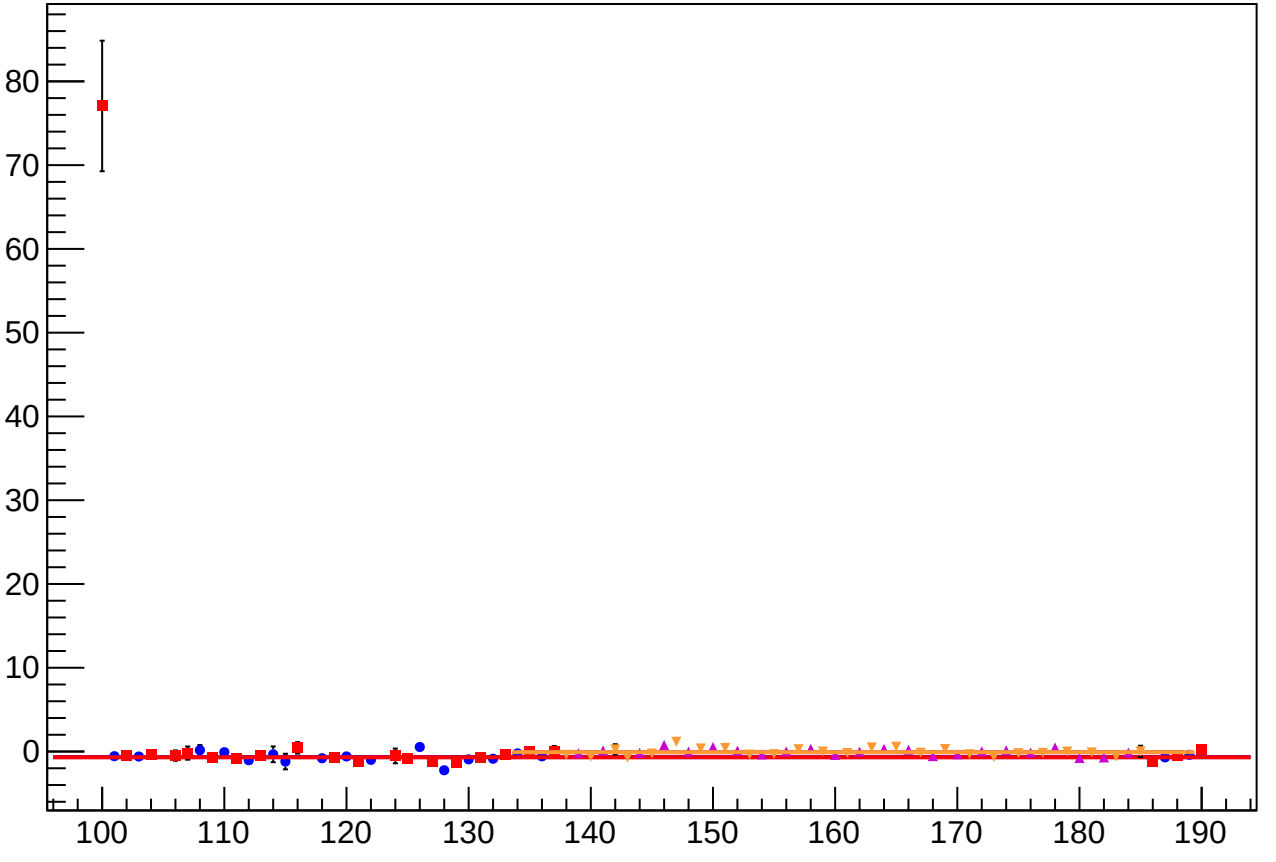
Right: -0.147+/-0.068 χ^2/NDF: 63.3/39

In: -0.160+/-0.053 χ^2/NDF:91.1/40

Out: -0.203+/-0.050 χ^2/NDF:50.7/46

All: -0.183+/-0.036 χ^2/NDF: 142.2/87

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.667+/-0.100 χ^2/NDF: 26.1/17

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.687+/-0.076 χ^2/NDF: 126.3/21

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

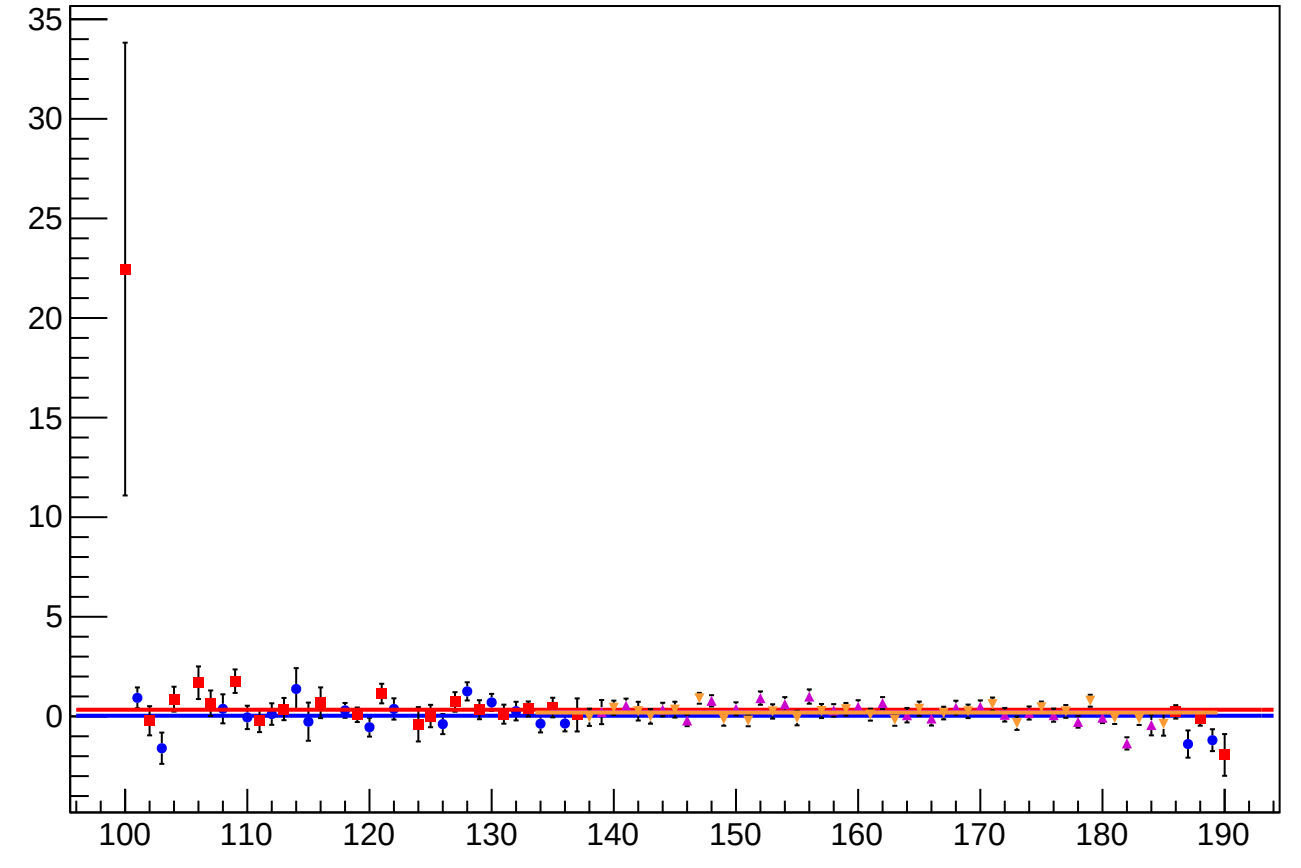
Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

Right: -0.680+/-0.060 χ^2/NDF: 152.5/39

In: -0.300+/-0.062 χ^2/NDF:75.9/40

Out: -0.387+/-0.054 χ^2/NDF:188.5/46

All: -0.350+/-0.041 χ^2/NDF: 265.5/87



Right In: 0.032+/-0.123 χ^2/NDF: 33.4/17

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.333+/-0.112 χ^2/NDF: 27.0/21

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

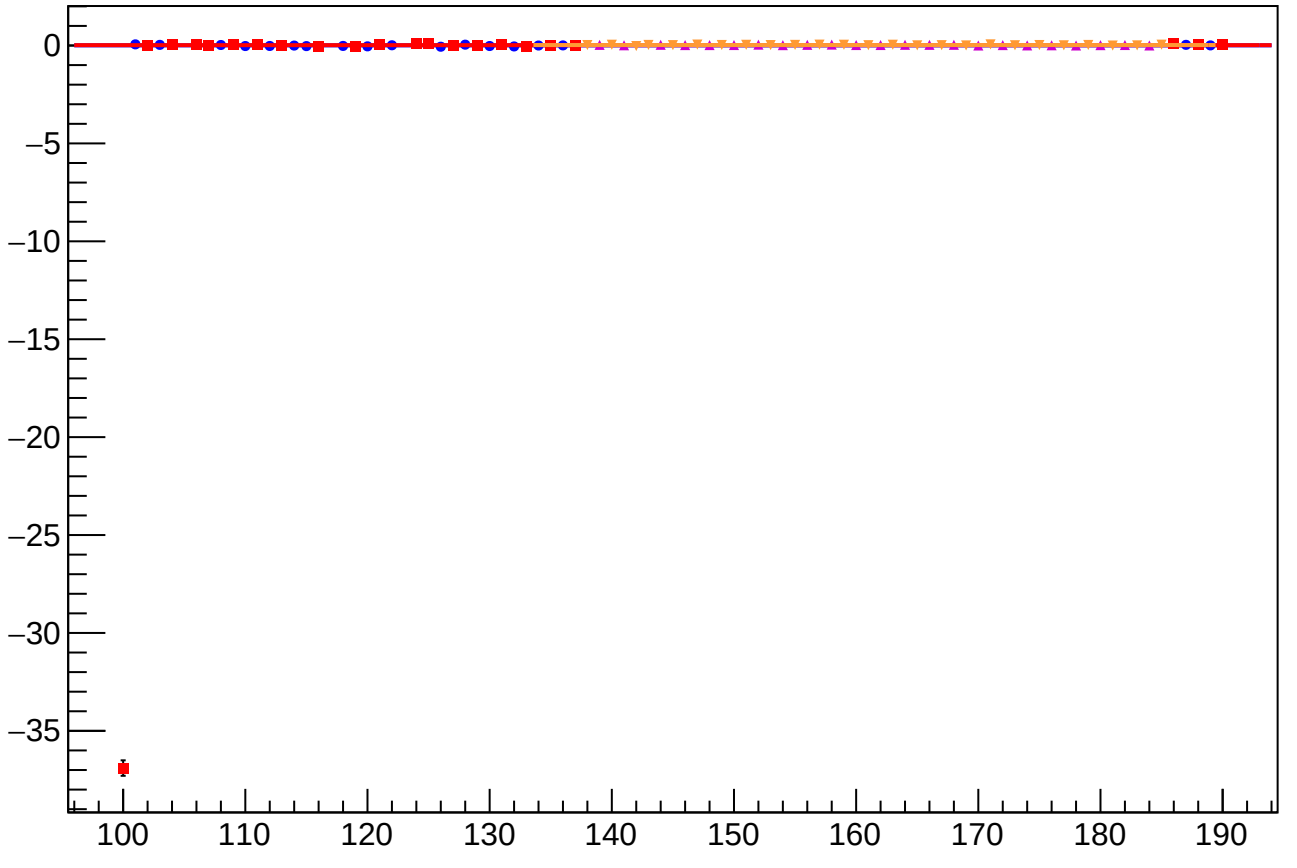
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.195+/-0.083 χ^2/NDF: 63.7/39

In: 0.171+/-0.060 χ^2/NDF:90.2/40

Out: 0.230+/-0.057 χ^2/NDF:54.0/46

All: 0.202+/-0.042 χ^2/NDF: 144.7/87



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/17

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.017+/-0.006 χ^2/NDF: 8774.5/21

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

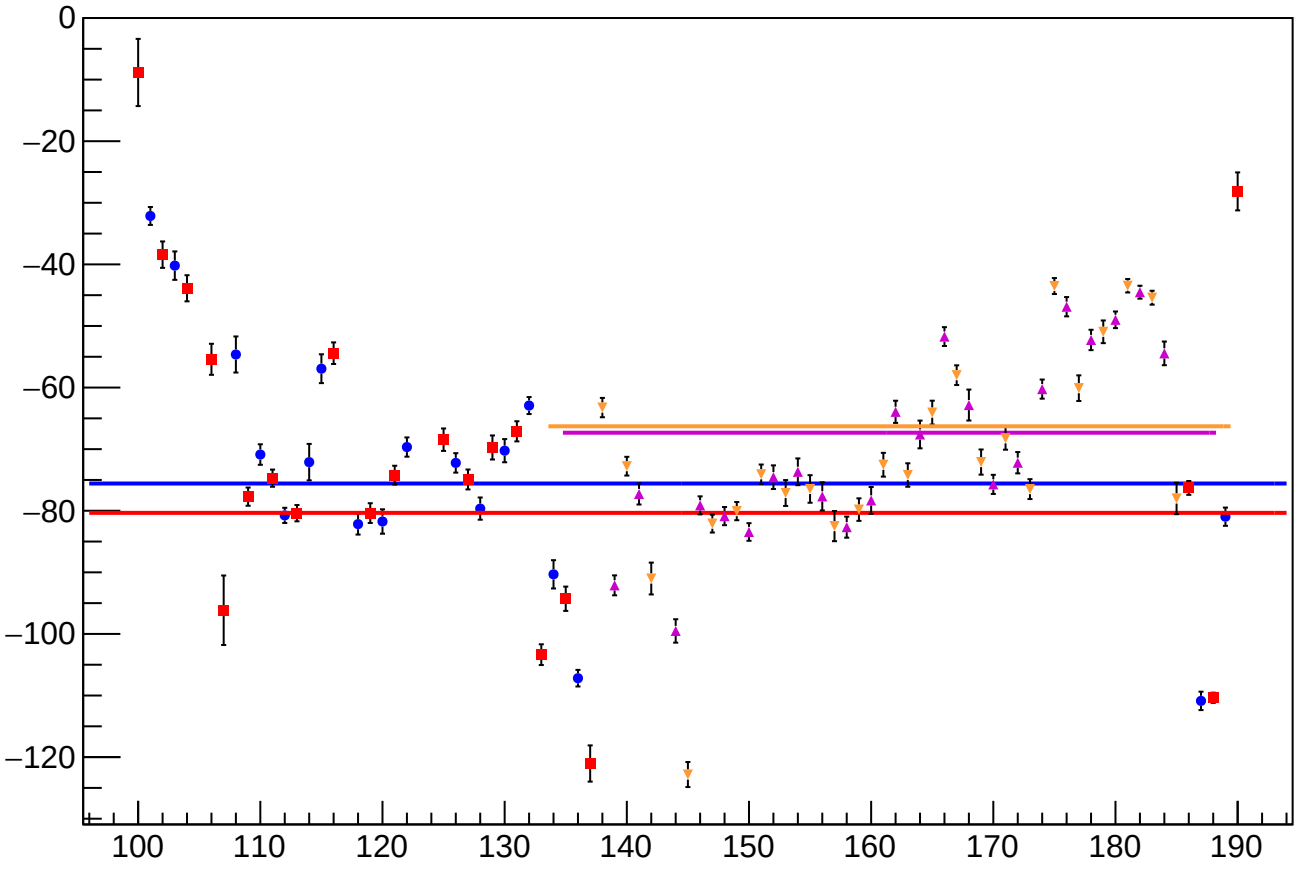
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.013+/-0.005 χ^2/NDF: 8793.8/39

In: 0.021+/-0.003 χ^2/NDF:41.2/40

Out: 0.023+/-0.003 χ^2/NDF:8805.6/46

All: 0.022+/-0.002 χ^2/NDF: 8846.9/87



Right In: -75.578+/-0.400 χ^2/NDF: 2568.6/17

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -80.342+/-0.359 χ^2/NDF: 3401.5/20

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

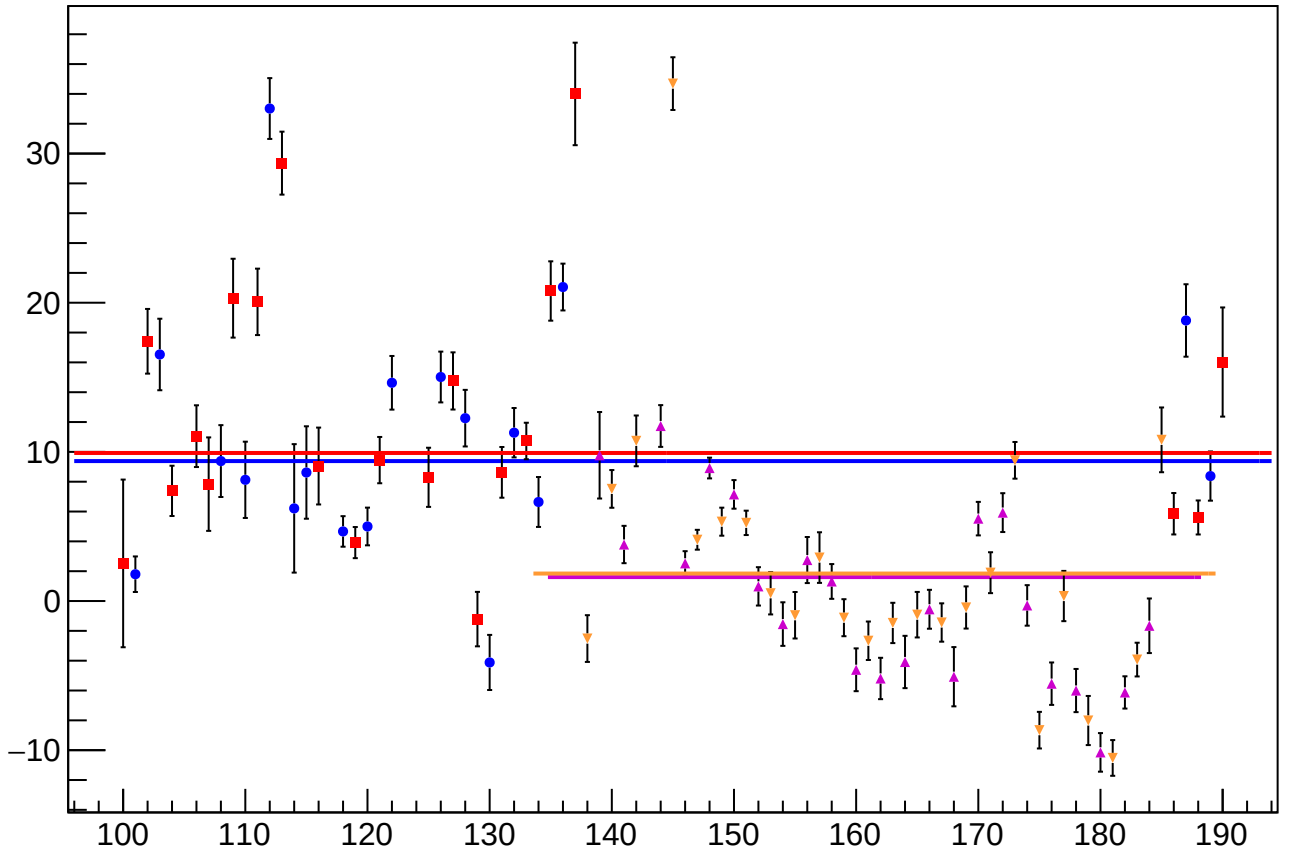
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -78.213+/-0.267 χ^2/NDF: 6048.7/38

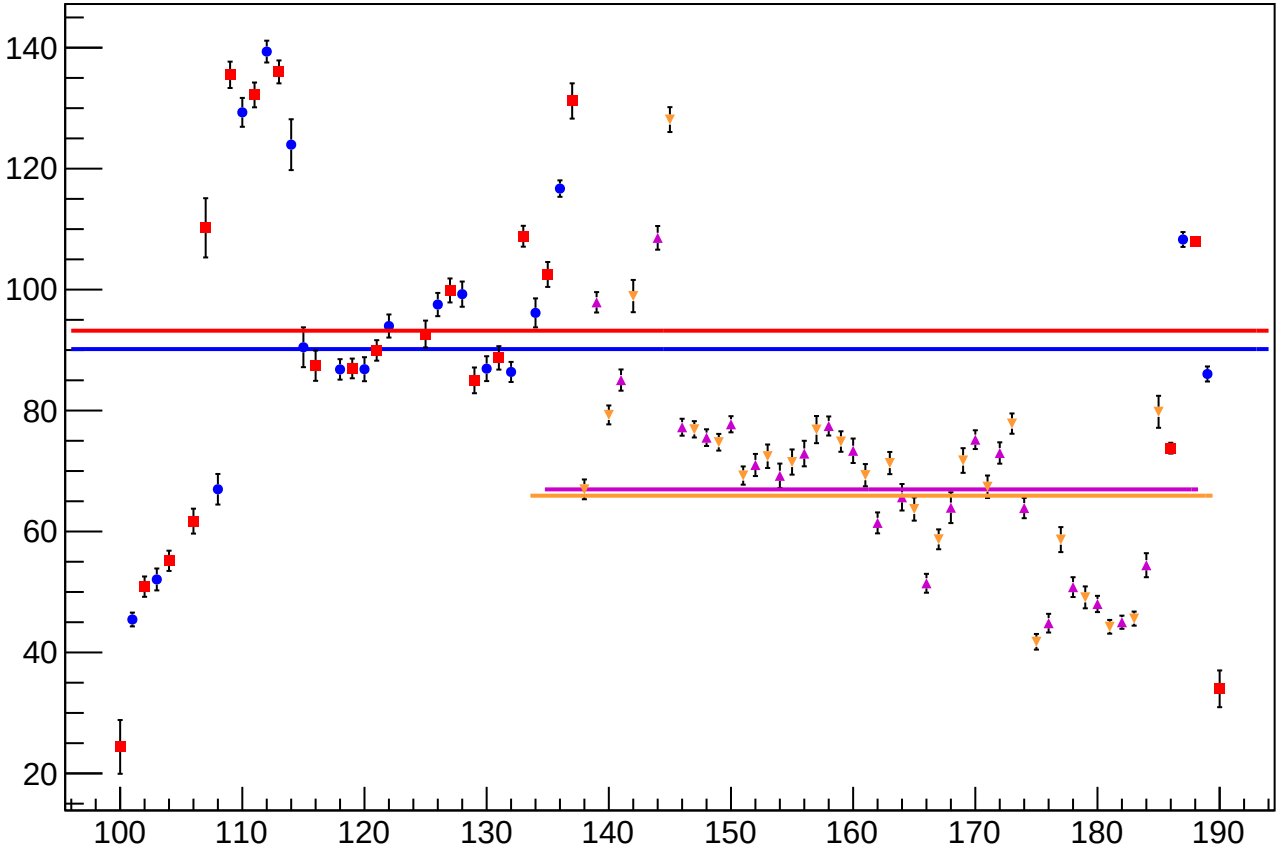
In: -70.855+/-0.261 χ^2/NDF:4915.2/40

Out: -73.009+/-0.248 χ^2/NDF:6750.8/44

All: -71.986+/-0.180 χ^2/NDF: 11701.7/85


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
190
Right In: 9.383+/-0.406 χ²/NDF: 367.8/17
Left Out: 1.842+/-0.254 χ²/NDF:781.5/23
Right Out: 9.927+/-0.391 χ²/NDF: 320.8/20
Left In: 1.605+/-0.258 χ²/NDF:496.6/22
Left: 1.726+/-0.181 χ²/NDF: 1278.5/46
Right: 9.664+/-0.282 χ²/NDF: 689.5/38
In: 3.849+/-0.218 χ²/NDF:1125.7/40
Out: 4.243+/-0.213 χ²/NDF:1402.0/44
All: 4.050+/-0.152 χ²/NDF: 2529.4/85

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 90.164+/-0.413 χ^2/NDF: 3809.6/17

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 93.205+/-0.356 χ^2/NDF: 4554.1/20

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

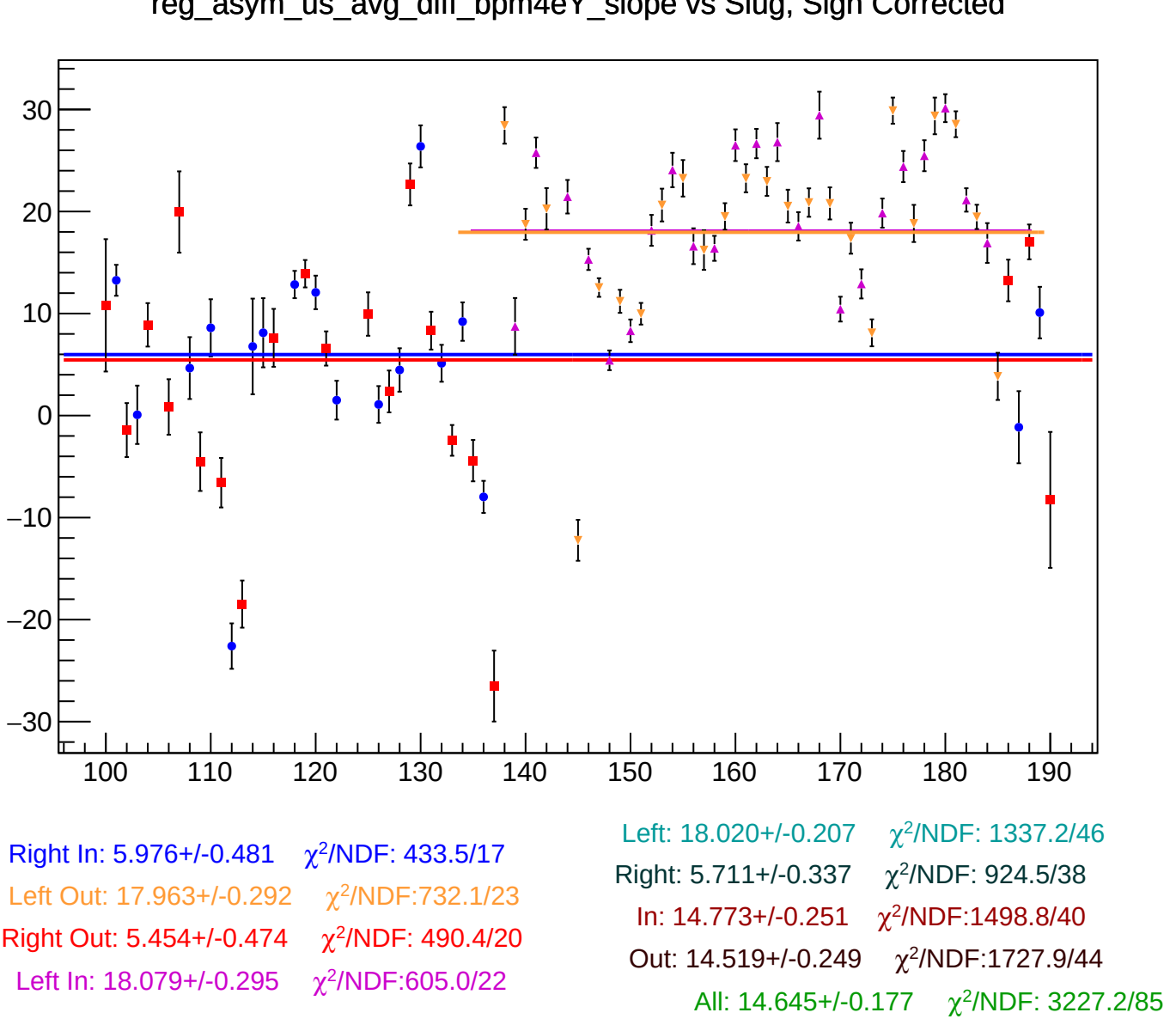
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 91.910+/-0.270 χ^2/NDF: 8394.9/38

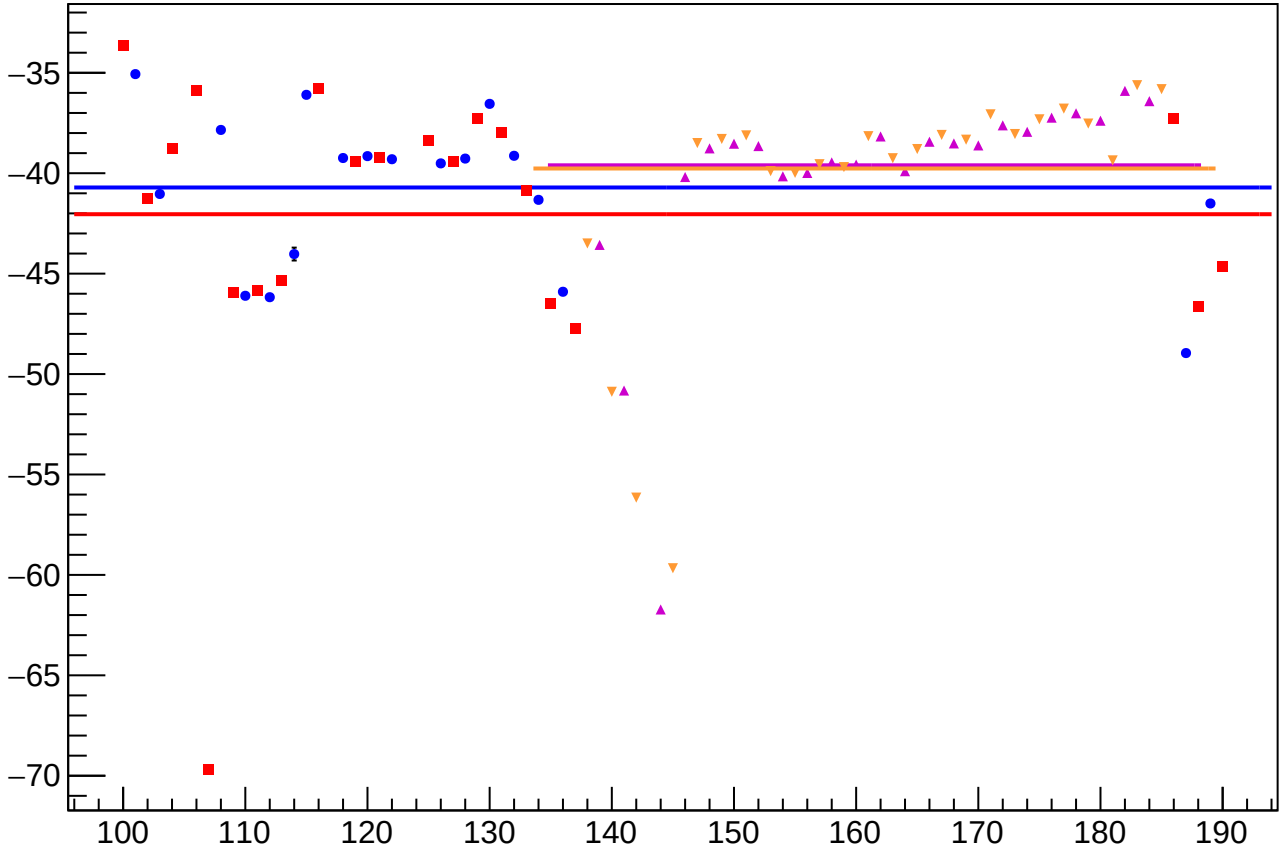
In: 76.376+/-0.263 χ^2/NDF:7906.4/40

Out: 78.966+/-0.246 χ^2/NDF:10178.8/44

All: 77.758+/-0.180 χ^2/NDF: 18136.9/85


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 5.976+/-0.481 χ²/NDF: 433.5/17
Left Out: 17.963+/-0.292 χ²/NDF:732.1/23
Right Out: 5.454+/-0.474 χ²/NDF: 490.4/20
Left In: 18.079+/-0.295 χ²/NDF:605.0/22
Left: 18.020+/-0.207 χ²/NDF: 1337.2/46
Right: 5.711+/-0.337 χ²/NDF: 924.5/38
In: 14.773+/-0.251 χ²/NDF:1498.8/40
Out: 14.519+/-0.249 χ²/NDF:1727.9/44
All: 14.645+/-0.177 χ²/NDF: 3227.2/85

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.710+/-0.027 χ^2/NDF: 19985.4/17

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -42.041+/-0.027 χ^2/NDF: 40861.4/20

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

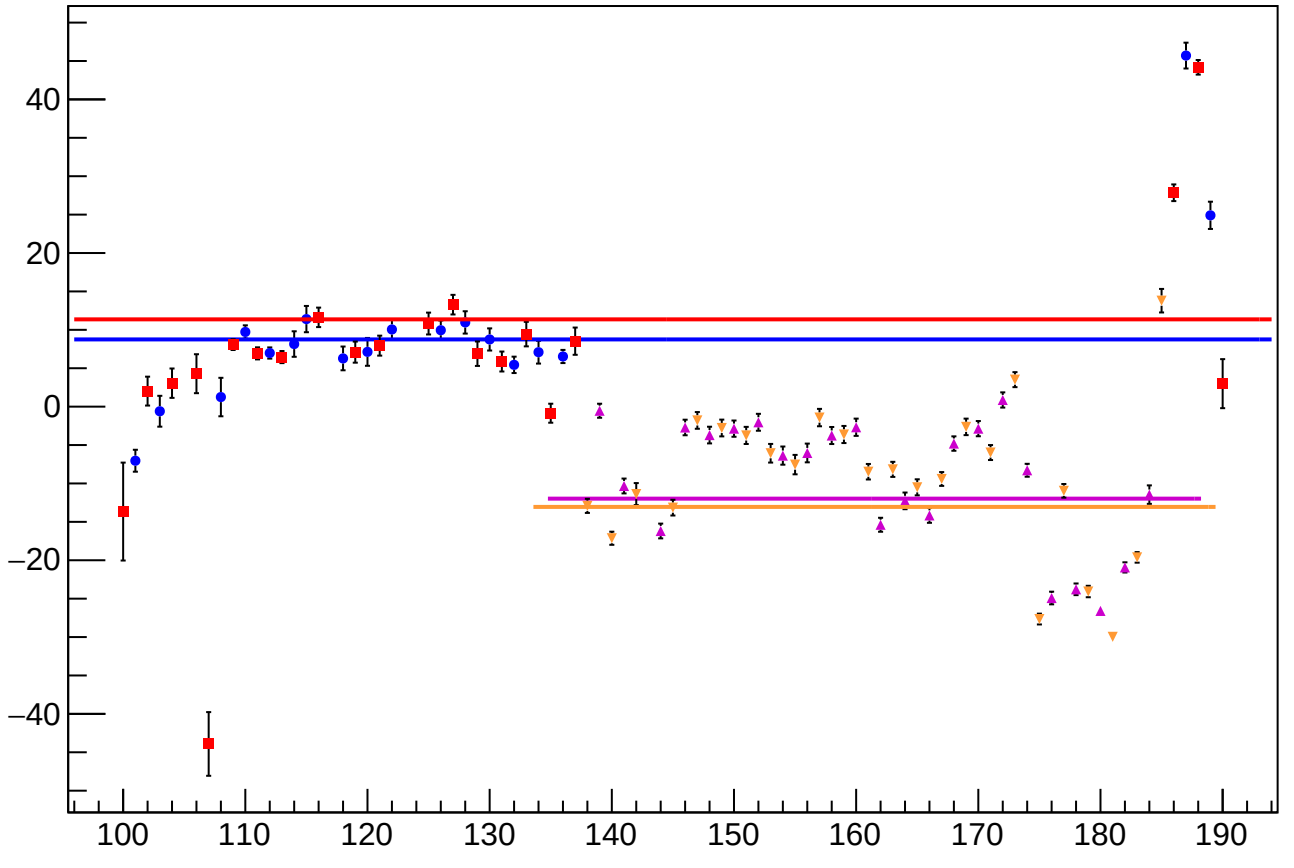
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.379+/-0.019 χ^2/NDF: 62048.7/38

In: -39.821+/-0.012 χ^2/NDF:127950.0/40

Out: -40.217+/-0.012 χ^2/NDF:176421.1/44

All: -40.018+/-0.009 χ^2/NDF: 304912.2/85



Right In: 8.752+/-0.300 χ^2/NDF: 753.8/17

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 11.364+/-0.274 χ^2/NDF: 1911.8/20

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

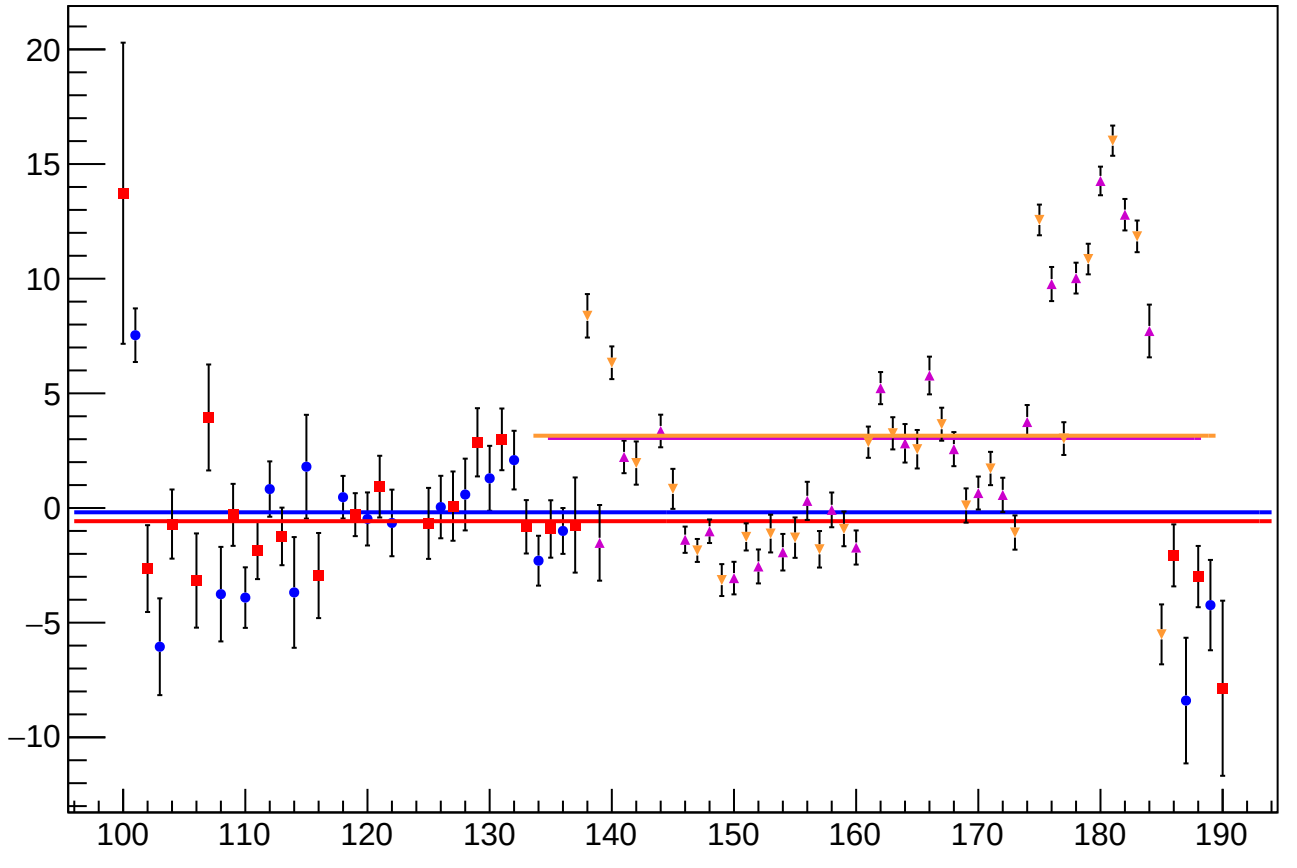
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 10.174+/-0.202 χ^2/NDF: 2706.9/38

In: -5.793+/-0.164 χ^2/NDF:6285.5/40

Out: -4.978+/-0.158 χ^2/NDF:10086.6/44

All: -5.370+/-0.114 χ^2/NDF: 16385.0/85



Right In: -0.187+/-0.325 χ^2/NDF: 88.7/17

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.575+/-0.323 χ^2/NDF: 36.5/20

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

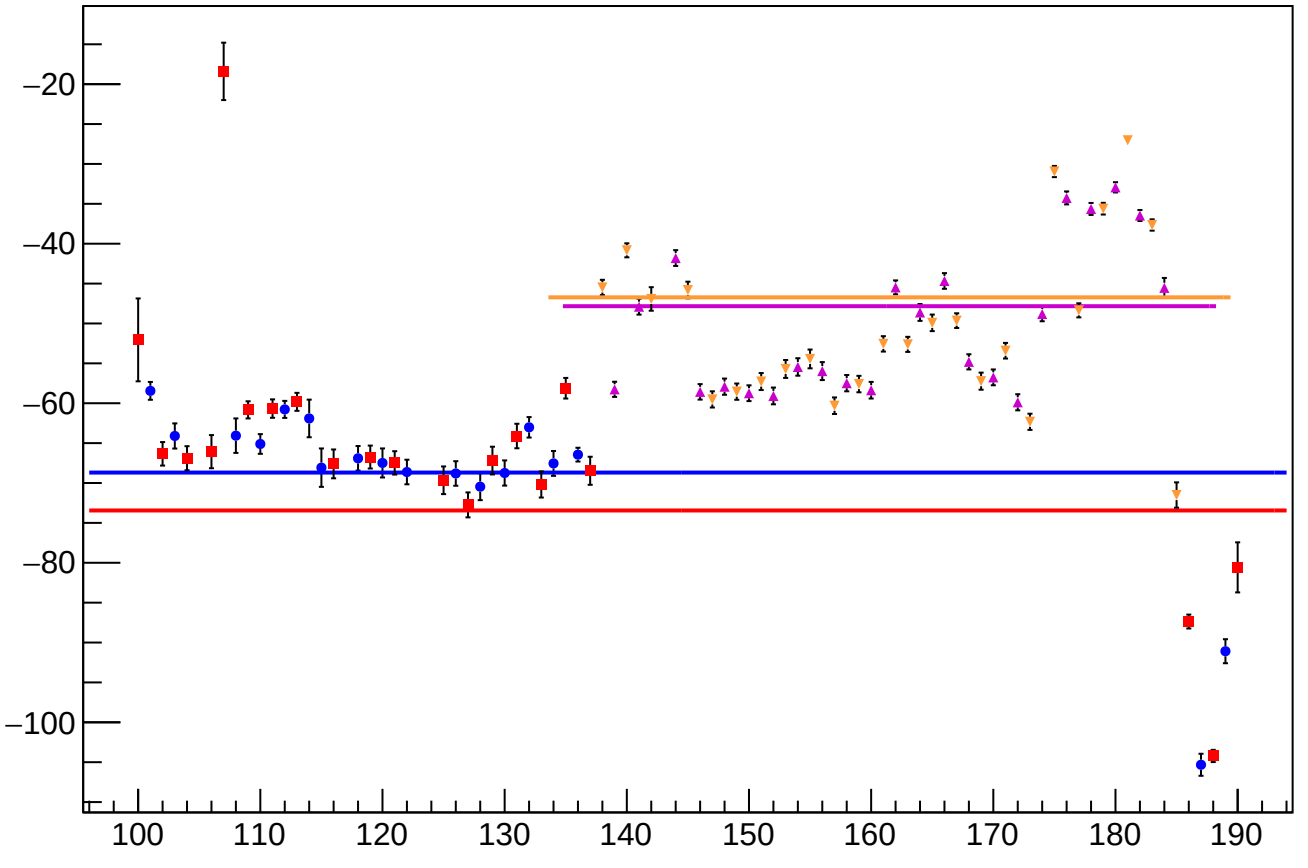
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.382+/-0.229 χ^2/NDF: 125.9/38

In: 2.472+/-0.138 χ^2/NDF:1315.5/40

Out: 2.497+/-0.135 χ^2/NDF:1531.6/44

All: 2.484+/-0.097 χ^2/NDF: 2847.1/85



Right In: -68.692+/-0.334 χ^2/NDF: 1122.6/17

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -73.444+/-0.304 χ^2/NDF: 2841.9/20

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

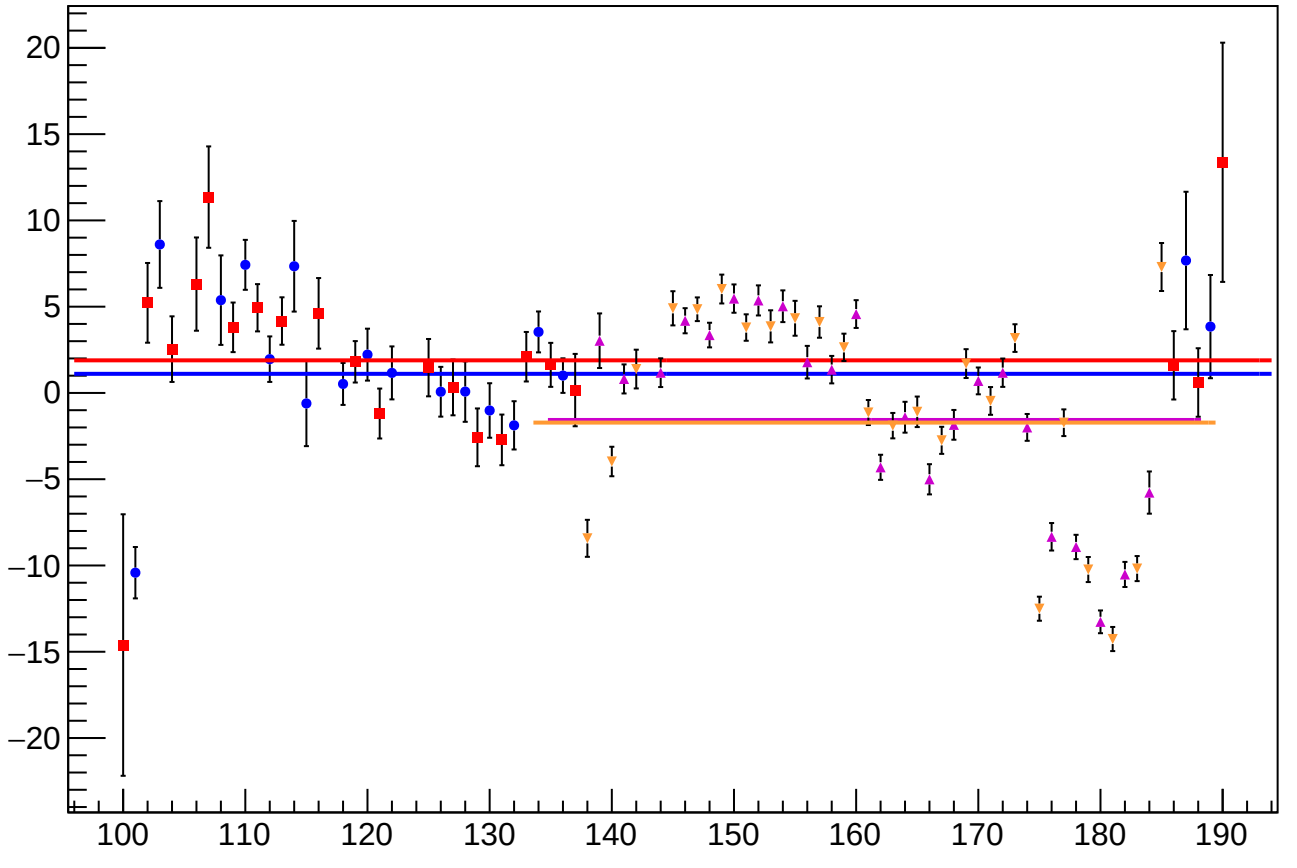
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -71.293+/-0.225 χ^2/NDF: 4075.1/38

In: -53.082+/-0.168 χ^2/NDF:6592.2/40

Out: -54.317+/-0.162 χ^2/NDF:11817.2/44

All: -53.720+/-0.117 χ^2/NDF: 18437.5/85



Right In: 1.108+/-0.371 χ^2/NDF: 112.9/17

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.890+/-0.375 χ^2/NDF: 57.7/20

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

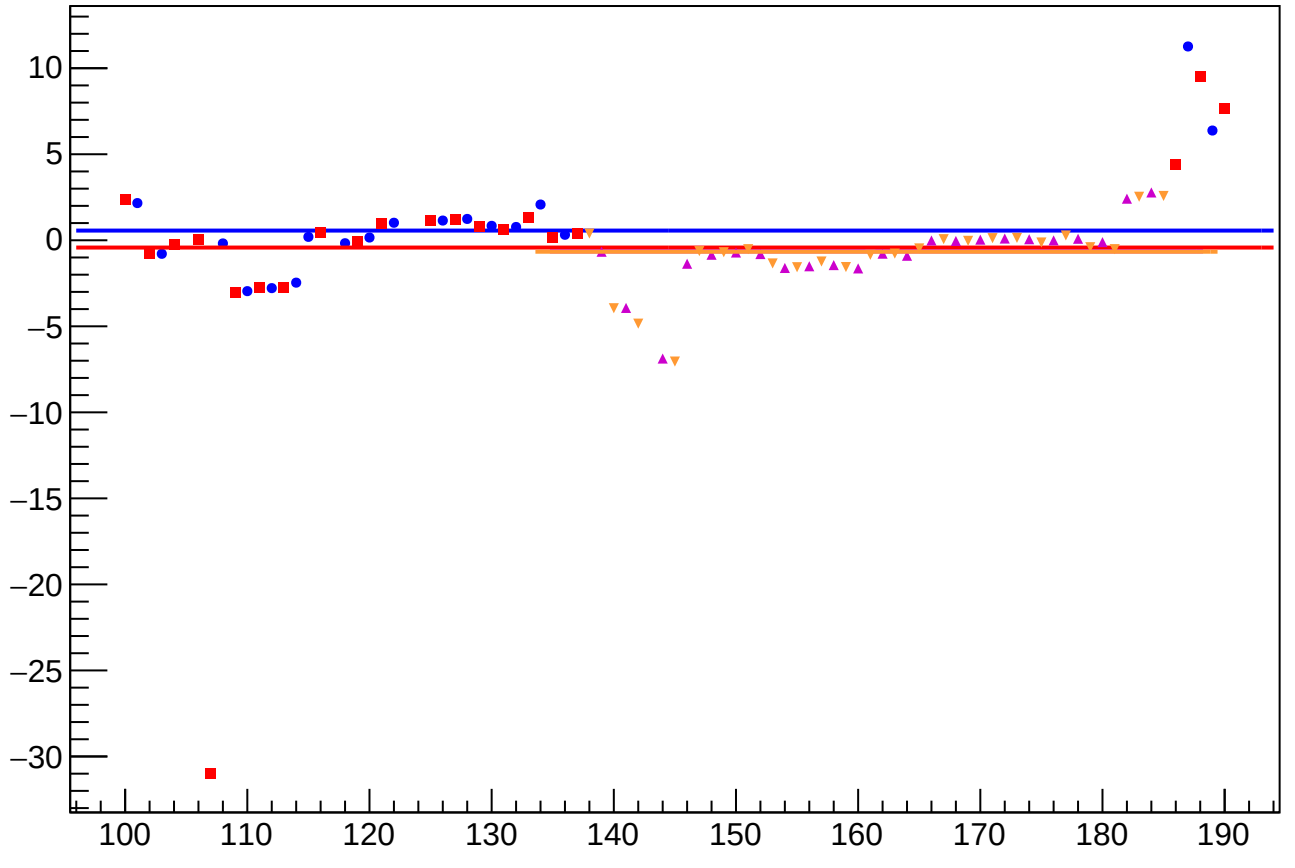
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 1.495+/-0.264 χ^2/NDF: 172.7/38

In: -1.100+/-0.155 χ^2/NDF:1273.5/40

Out: -1.116+/-0.153 χ^2/NDF:1540.9/44

All: -1.108+/-0.109 χ^2/NDF: 2814.4/85



Right In: 0.564+/-0.021 χ^2/NDF: 9380.7/17

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.423+/-0.021 χ^2/NDF: 59910.5/20

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

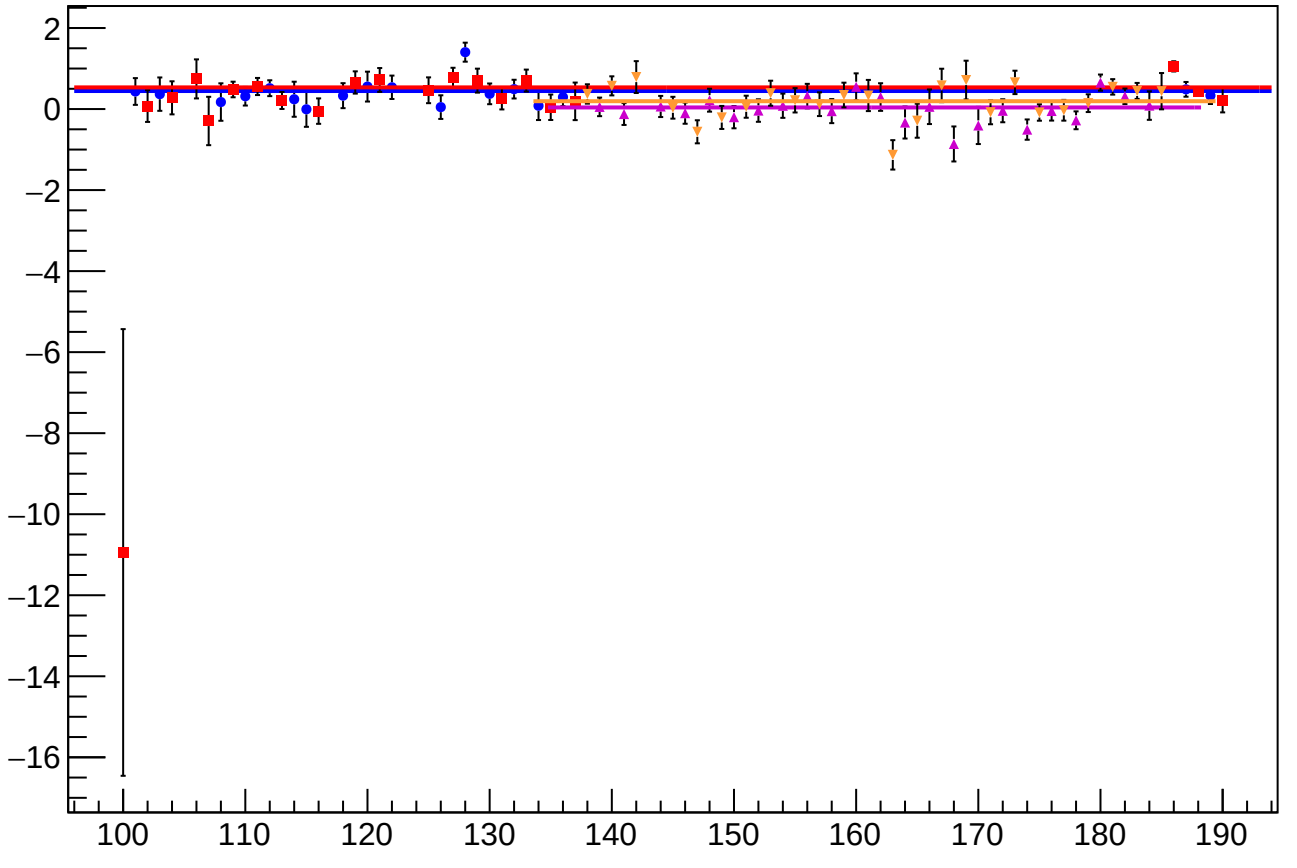
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.085+/-0.015 χ^2/NDF: 70393.3/38

In: -0.504+/-0.007 χ^2/NDF:57964.6/40

Out: -0.639+/-0.007 χ^2/NDF:115302.3/44

All: -0.572+/-0.005 χ^2/NDF: 173447.5/85



Right In: 0.445+/-0.063 χ^2/NDF: 23.0/17

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.535+/-0.052 χ^2/NDF: 39.3/20

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

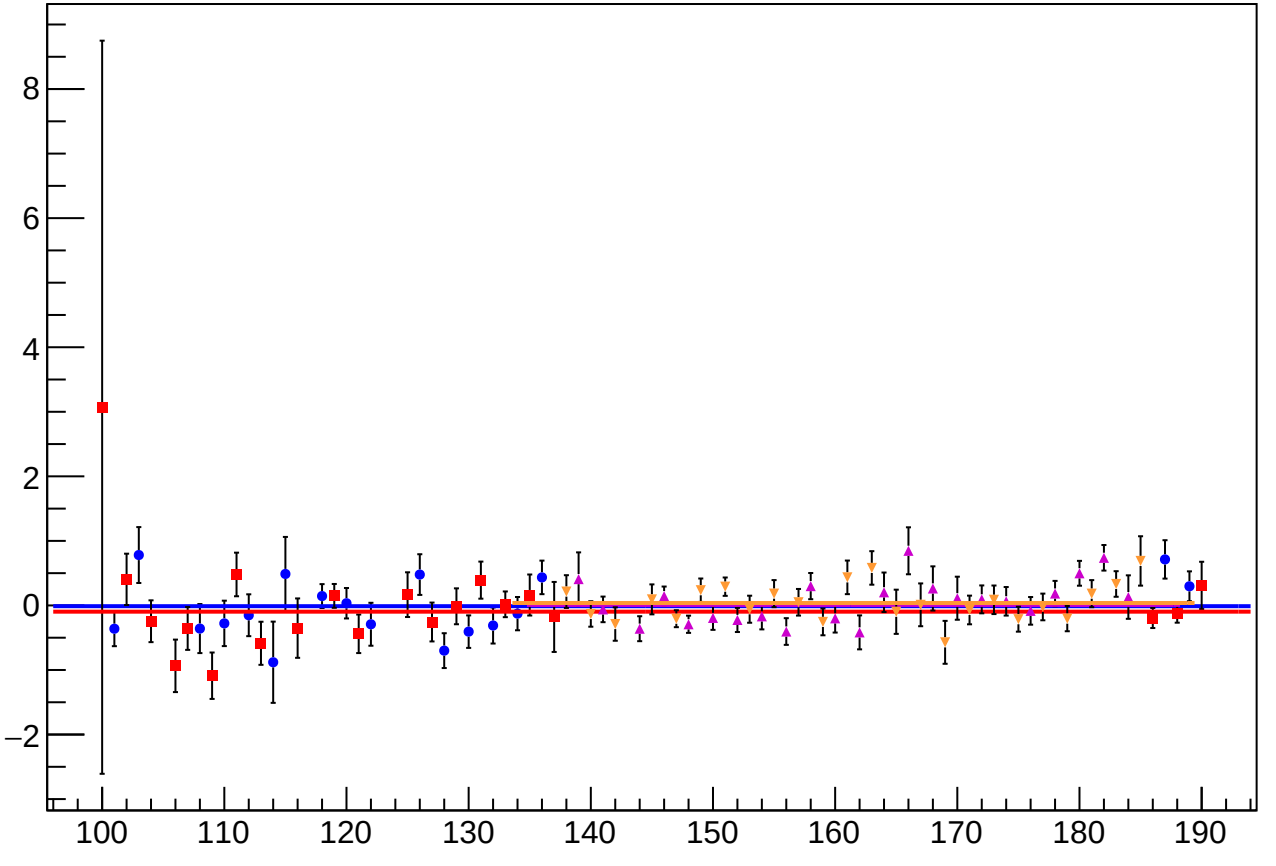
Right: 0.498+/-0.040 χ^2/NDF: 63.5/38

In: 0.224+/-0.043 χ^2/NDF:76.1/40

Out: 0.380+/-0.038 χ^2/NDF:103.1/44

All: 0.310+/-0.028 χ^2/NDF: 186.6/85

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.012+/-0.068 χ^2/NDF: 34.1/17

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.096+/-0.060 χ^2/NDF: 29.6/20

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

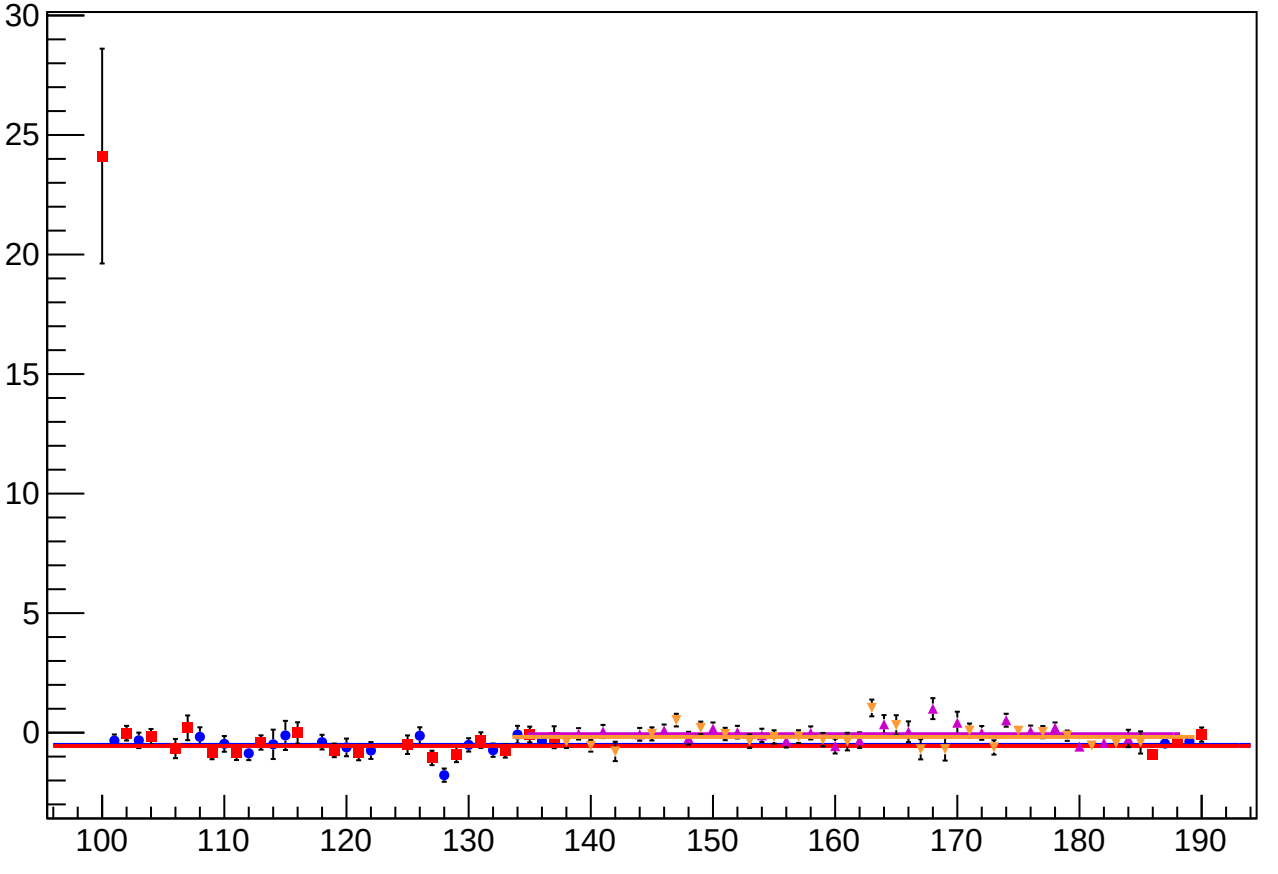
Right: -0.059+/-0.045 χ^2/NDF: 64.6/38

In: 0.002+/-0.037 χ^2/NDF:85.6/40

Out: -0.008+/-0.035 χ^2/NDF:65.6/44

All: -0.003+/-0.025 χ^2/NDF: 151.3/85

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.512+/-0.065 χ^2/NDF: 29.5/17

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.557+/-0.050 χ^2/NDF: 67.0/20

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

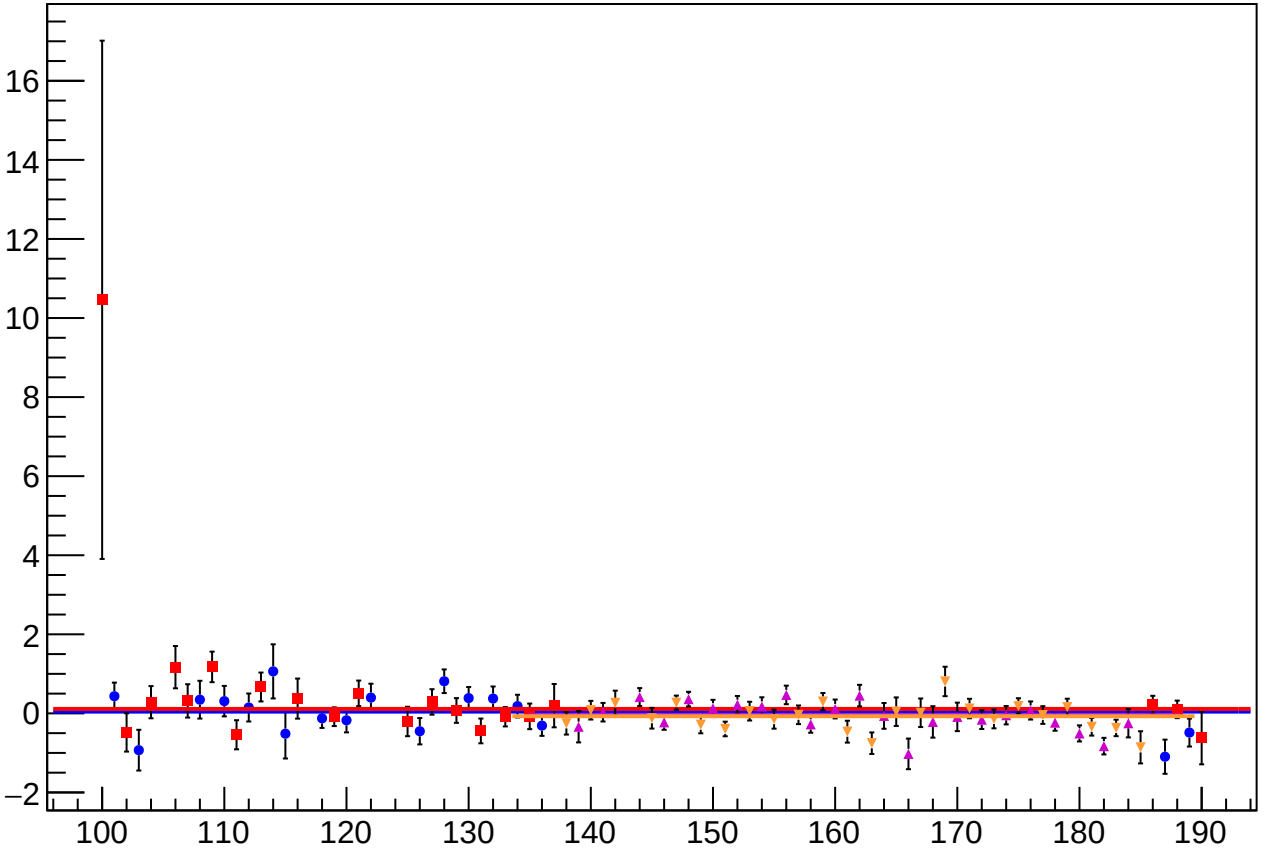
Right: -0.540+/-0.040 χ^2/NDF: 96.8/38

In: -0.259+/-0.043 χ^2/NDF:87.5/40

Out: -0.391+/-0.037 χ^2/NDF:134.6/44

All: -0.334+/-0.028 χ^2/NDF: 227.5/85

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.045+/-0.080 χ^2/NDF: 33.6/17

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.112+/-0.074 χ^2/NDF: 30.4/20

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

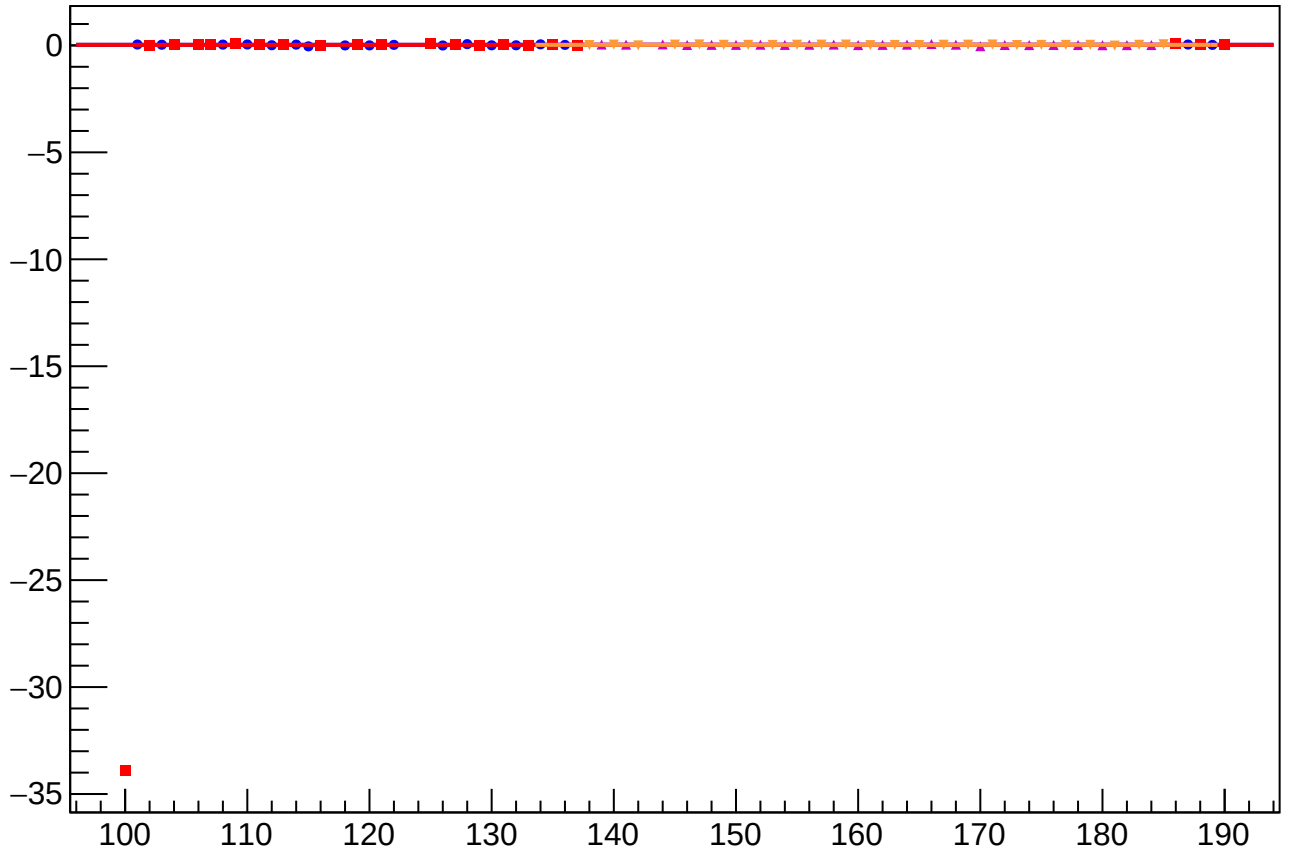
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.081+/-0.055 χ^2/NDF: 64.4/38

In: -0.021+/-0.043 χ^2/NDF:85.0/40

Out: -0.015+/-0.041 χ^2/NDF:72.4/44

All: -0.018+/-0.030 χ^2/NDF: 157.4/85



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/17

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.026+/-0.004 χ^2/NDF: 22304.0/20

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

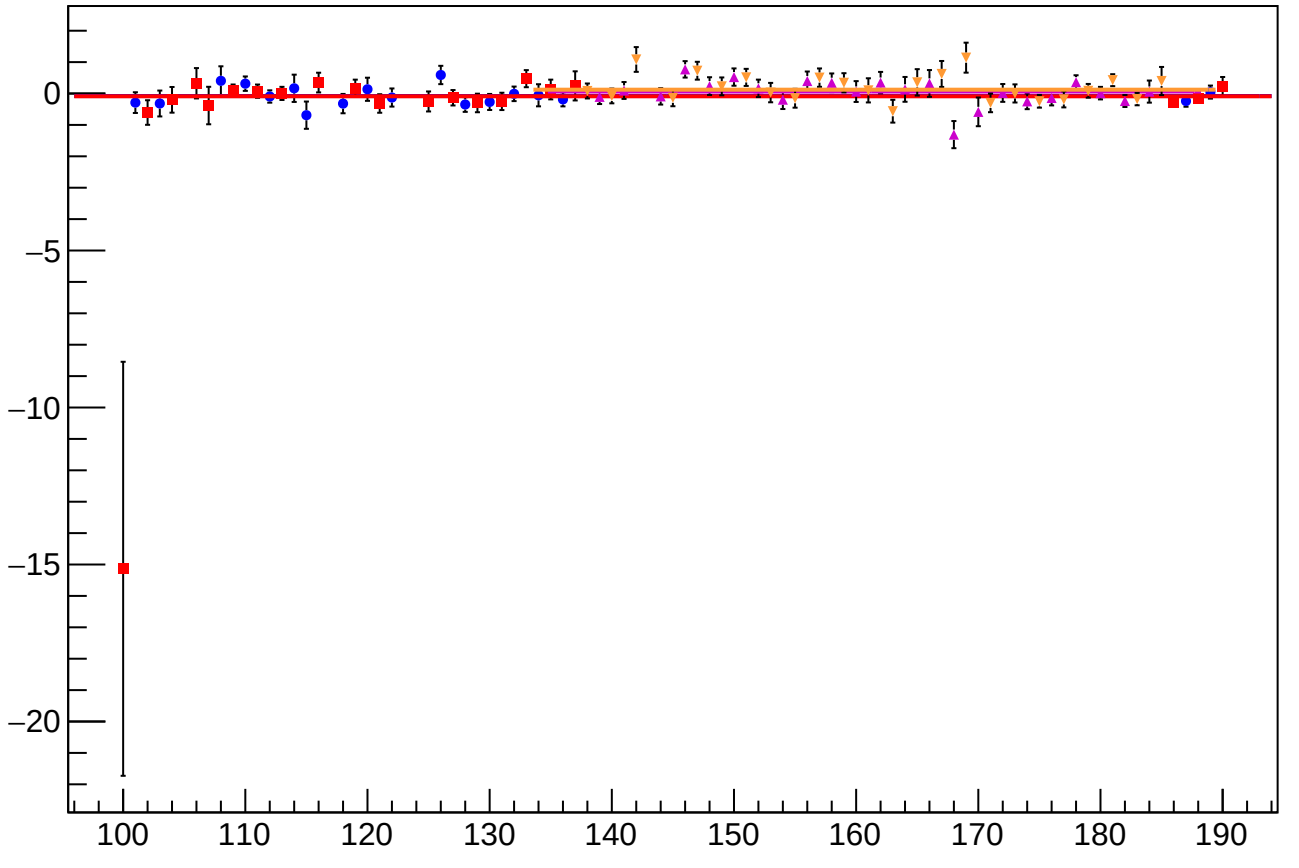
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.027+/-0.003 χ^2/NDF: 22319.1/38

In: 0.027+/-0.002 χ^2/NDF:54.6/40

Out: 0.026+/-0.002 χ^2/NDF:22335.4/44

All: 0.026+/-0.001 χ^2/NDF: 22390.0/85



Right In: -0.080+/-0.063 χ^2/NDF: 16.7/17

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.088+/-0.052 χ^2/NDF: 23.8/20

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

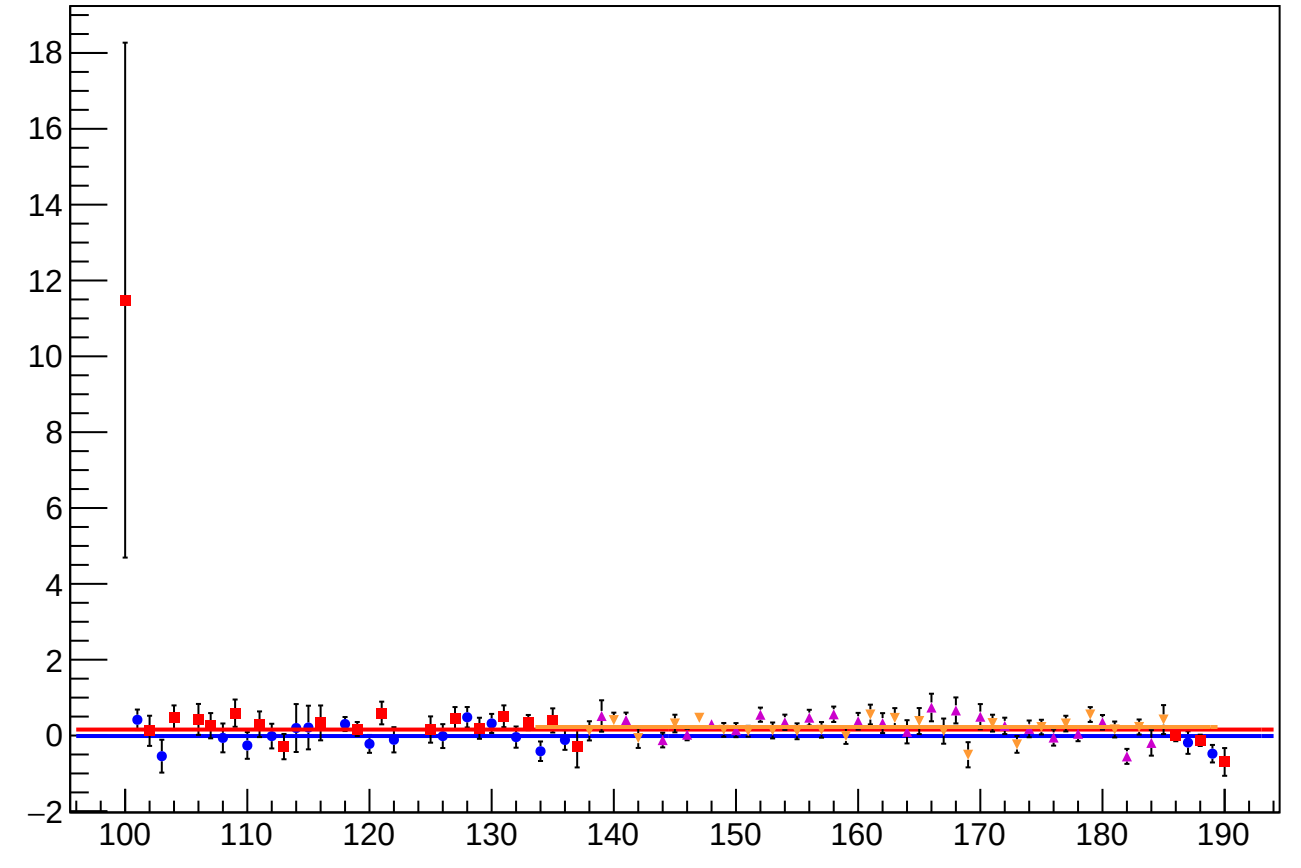
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.085+/-0.040 χ^2/NDF: 40.4/38

In: -0.002+/-0.043 χ^2/NDF:53.7/40

Out: 0.008+/-0.038 χ^2/NDF:70.8/44

All: 0.003+/-0.028 χ^2/NDF: 124.6/85



Right In: -0.013+/-0.068 χ^2/NDF: 20.7/17

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.158+/-0.060 χ^2/NDF: 24.6/20

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

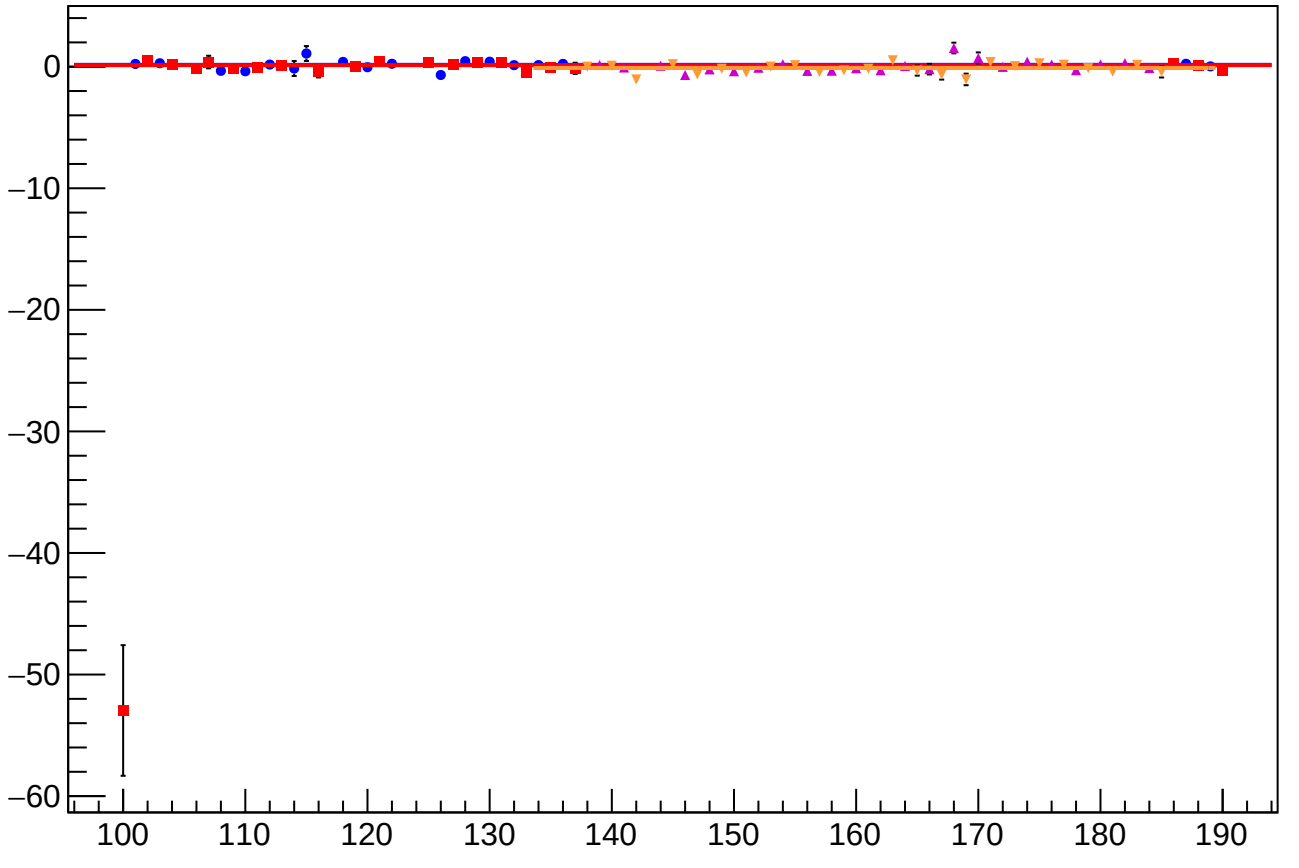
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.083+/-0.045 χ^2/NDF: 48.9/38

In: 0.151+/-0.037 χ^2/NDF:68.4/40

Out: 0.202+/-0.035 χ^2/NDF:49.5/44

All: 0.178+/-0.025 χ^2/NDF: 119.0/85



Right In: 0.153+/-0.065 χ^2/NDF: 16.5/17

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.129+/-0.050 χ^2/NDF: 113.5/20

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

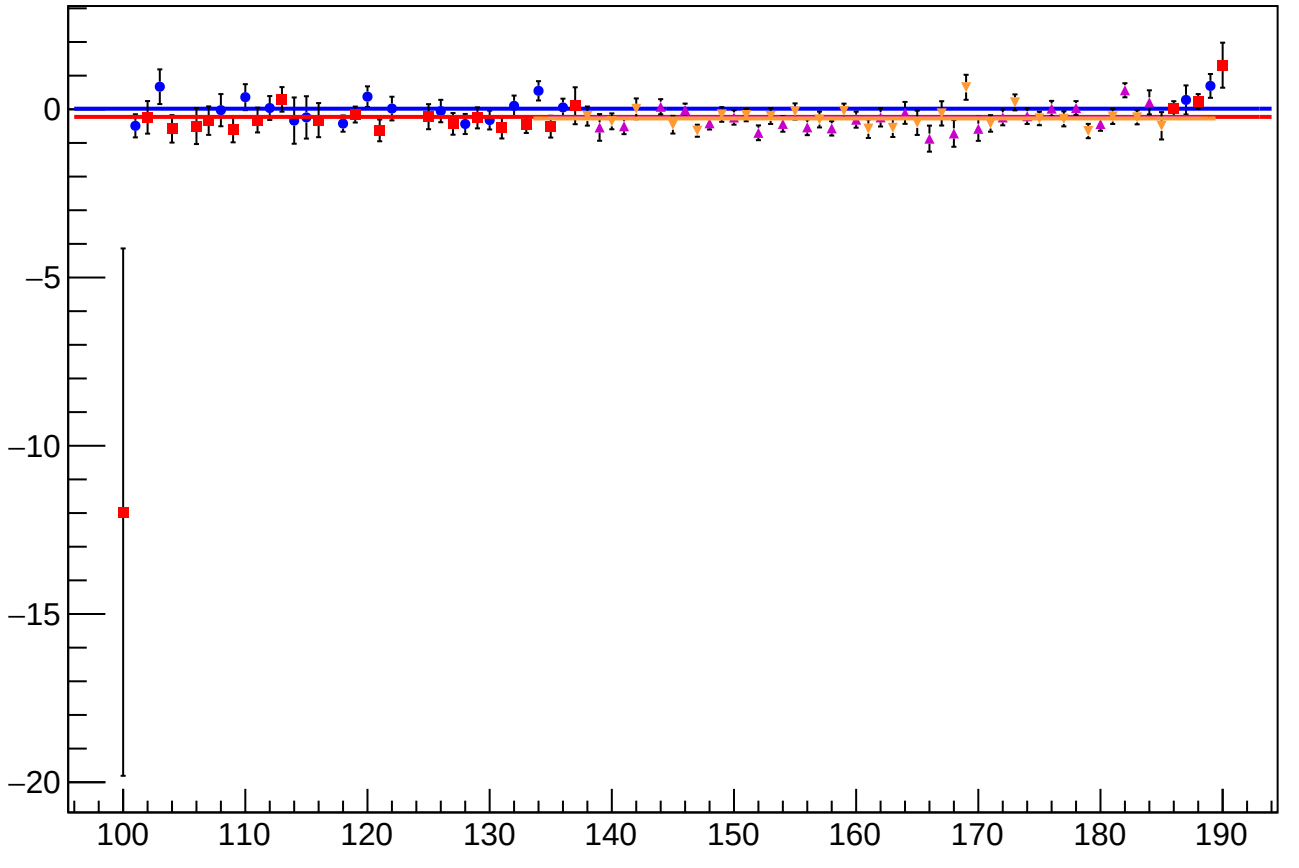
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.138+/-0.040 χ^2/NDF: 130.0/38

In: 0.061+/-0.043 χ^2/NDF:57.9/40

Out: 0.027+/-0.037 χ^2/NDF:160.8/44

All: 0.041+/-0.028 χ^2/NDF: 219.1/85



Right In: 0.018+/-0.080 χ^2/NDF: 21.1/17

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.226+/-0.074 χ^2/NDF: 22.2/20

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

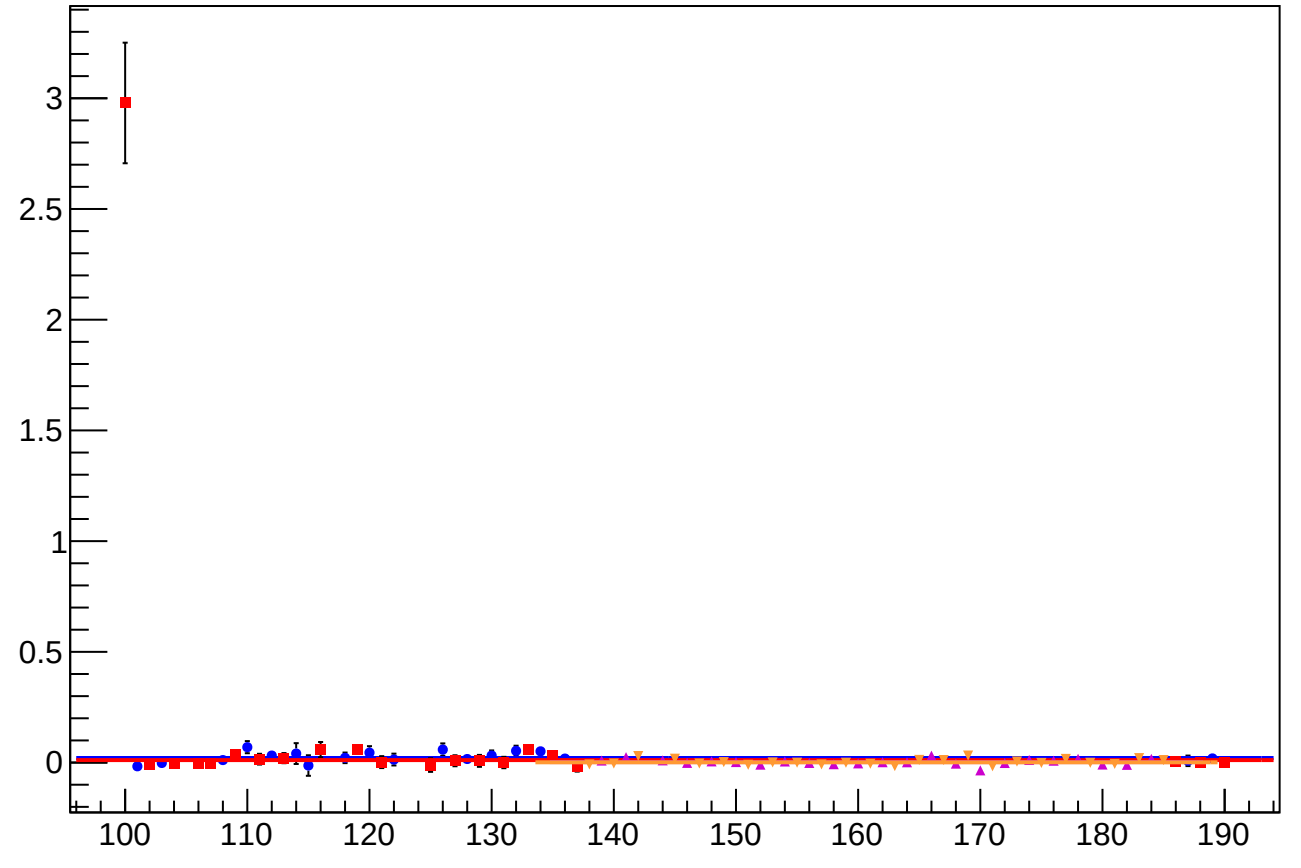
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.113+/-0.055 χ^2/NDF: 48.3/38

In: -0.177+/-0.043 χ^2/NDF:69.9/40

Out: -0.258+/-0.041 χ^2/NDF:47.3/44

All: -0.219+/-0.030 χ^2/NDF: 119.1/85



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/17

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.011+/-0.004 χ^2/NDF: 142.3/20

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

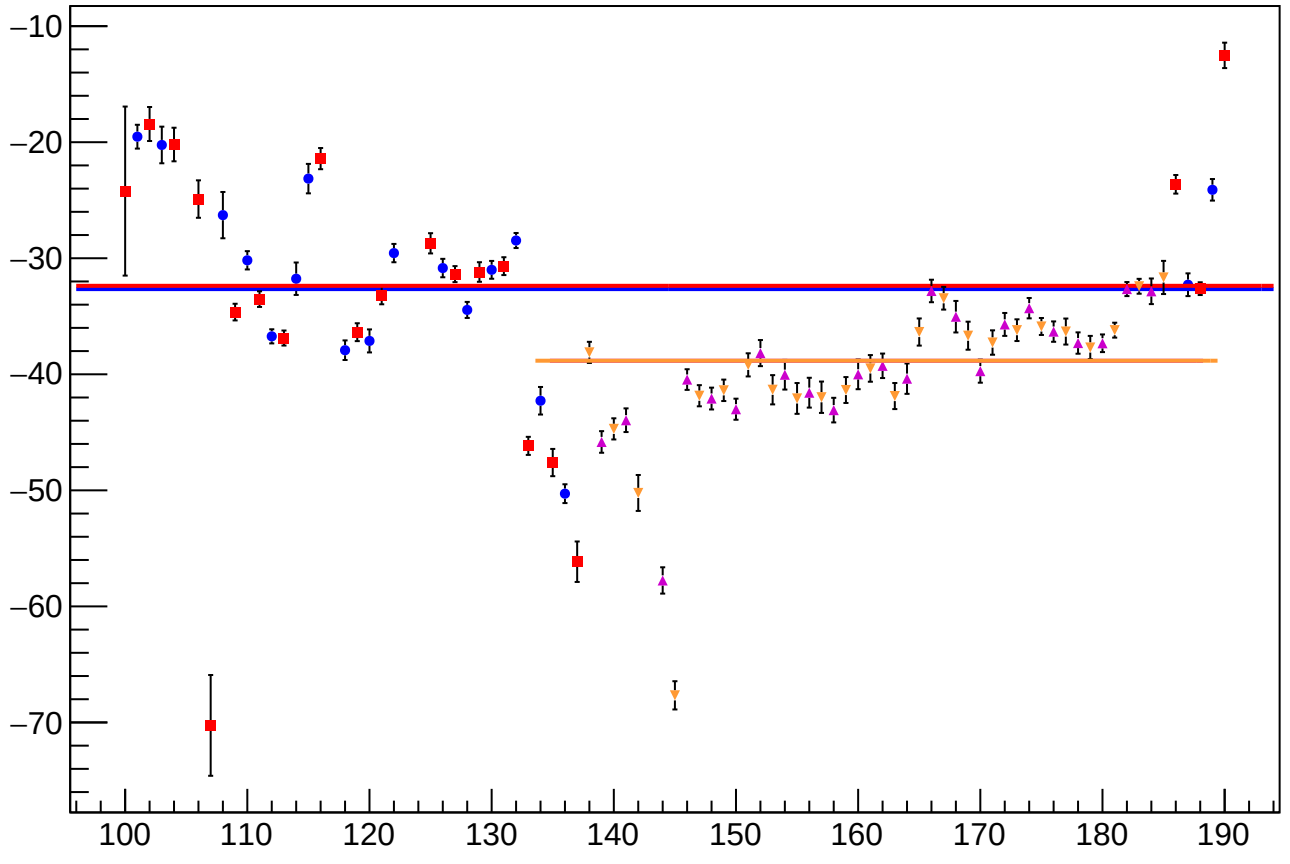
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.016+/-0.003 χ^2/NDF: 167.4/38

In: 0.006+/-0.002 χ^2/NDF:60.6/40

Out: 0.003+/-0.002 χ^2/NDF:173.4/44

All: 0.005+/-0.001 χ^2/NDF: 234.8/85



Right In: -32.659+/-0.207 χ^2/NDF: 1103.8/17

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.375+/-0.191 χ^2/NDF: 1636.3/20

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

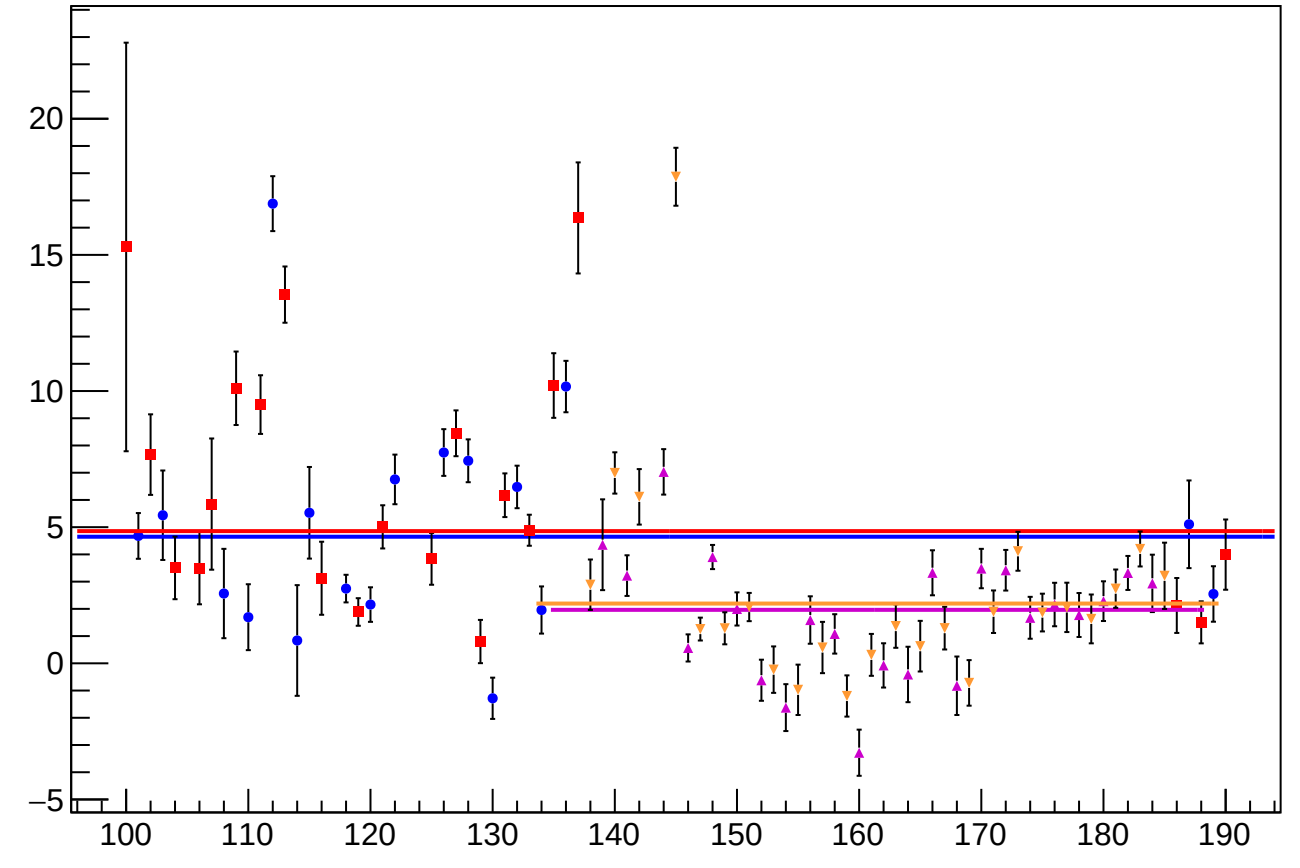
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.505+/-0.141 χ^2/NDF: 2741.2/38

In: -35.808+/-0.145 χ^2/NDF:2209.6/40

Out: -35.424+/-0.139 χ^2/NDF:3091.7/44

All: -35.607+/-0.100 χ^2/NDF: 5305.0/85



Right In: 4.650+/-0.212 χ^2/NDF: 334.1/17

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.855+/-0.207 χ^2/NDF: 275.5/20

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

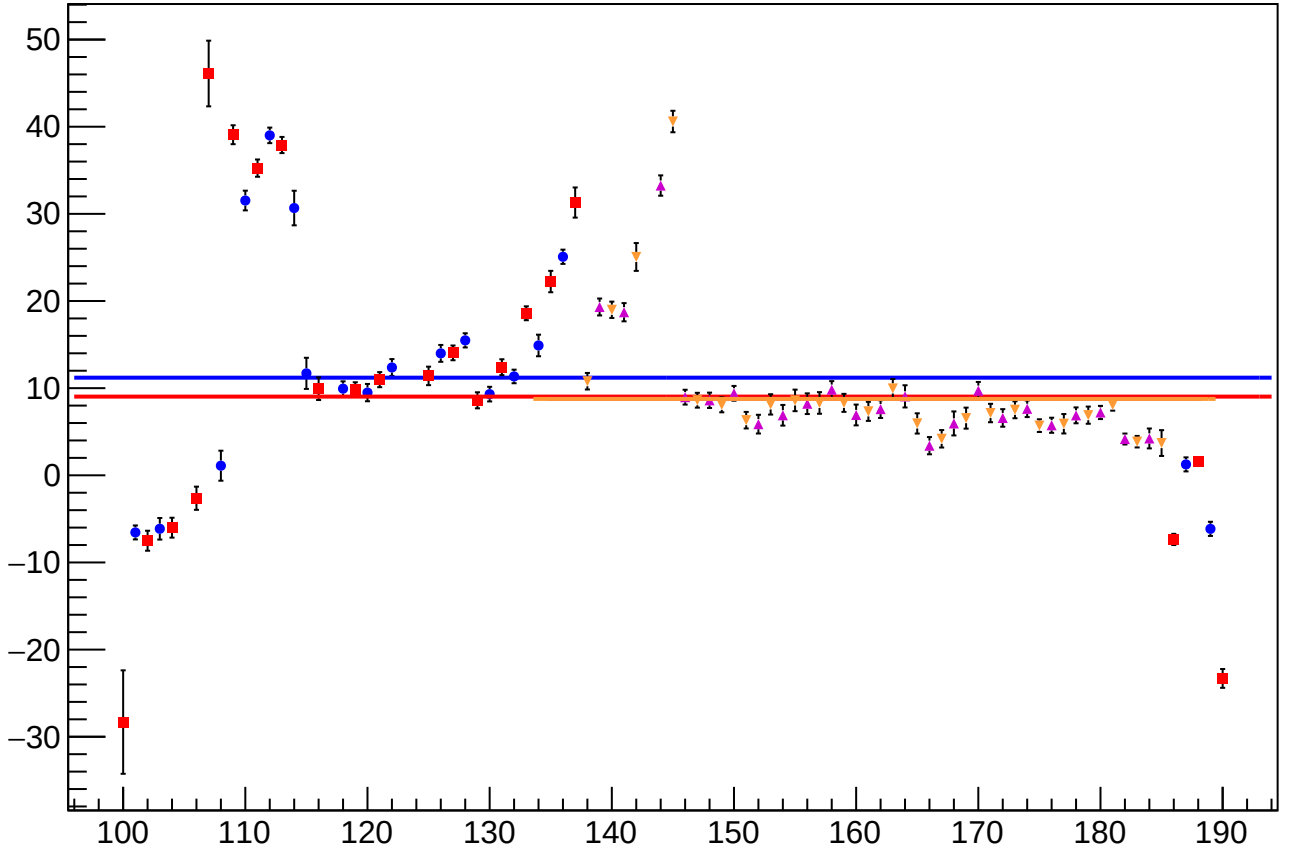
Right: 4.755+/-0.148 χ^2/NDF: 610.1/38

In: 2.895+/-0.125 χ^2/NDF:611.7/40

Out: 3.127+/-0.123 χ^2/NDF:747.7/44

All: 3.013+/-0.088 χ^2/NDF: 1361.2/85

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 11.203+/-0.227 χ^2/NDF: 3064.4/17

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 9.031+/-0.203 χ^2/NDF: 5343.5/20

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

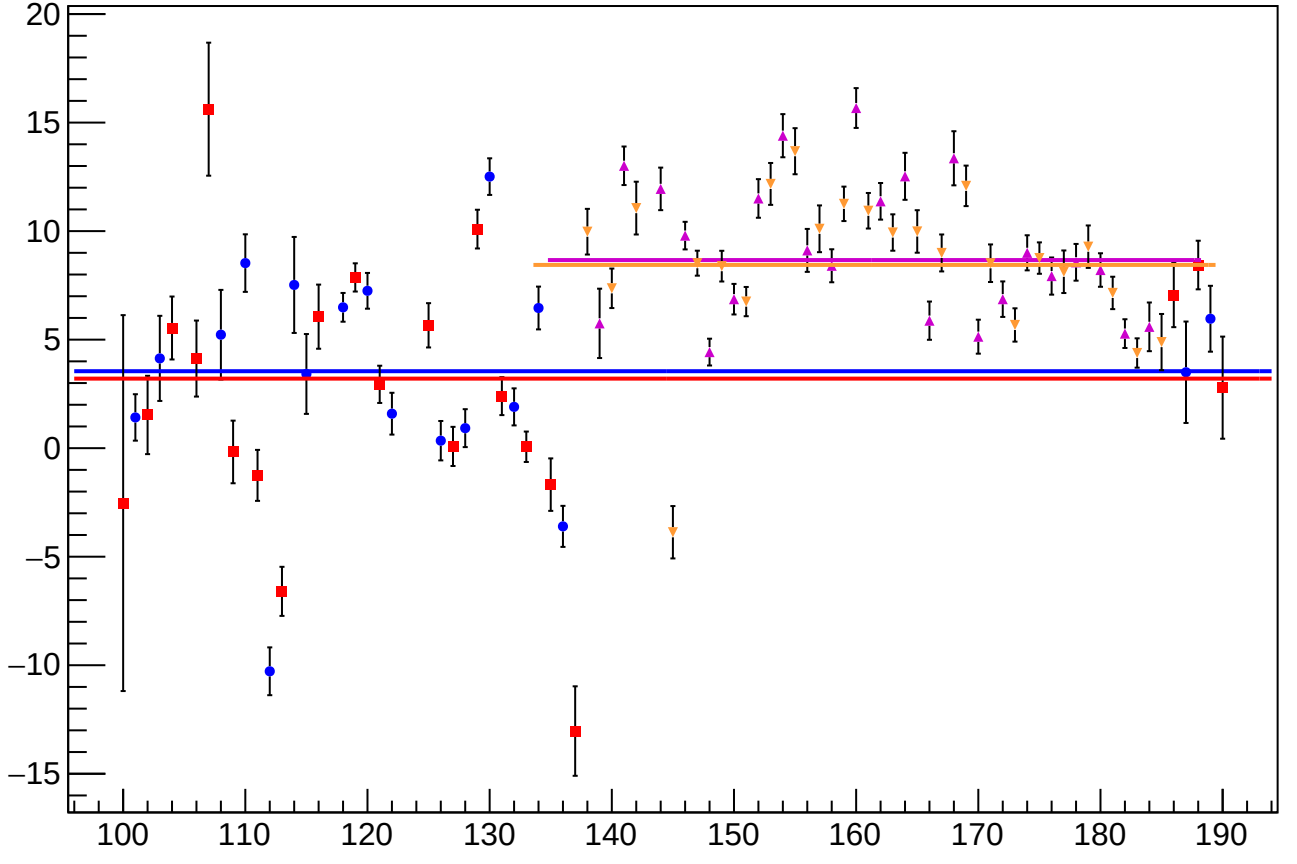
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 9.997+/-0.151 χ^2/NDF: 8458.9/38

In: 9.846+/-0.151 χ^2/NDF:3923.7/40

Out: 8.897+/-0.143 χ^2/NDF:6379.7/44

All: 9.346+/-0.104 χ^2/NDF: 10324.4/85



Right In: 3.546+/-0.249 χ^2/NDF: 430.2/17

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.204+/-0.246 χ^2/NDF: 376.2/20

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

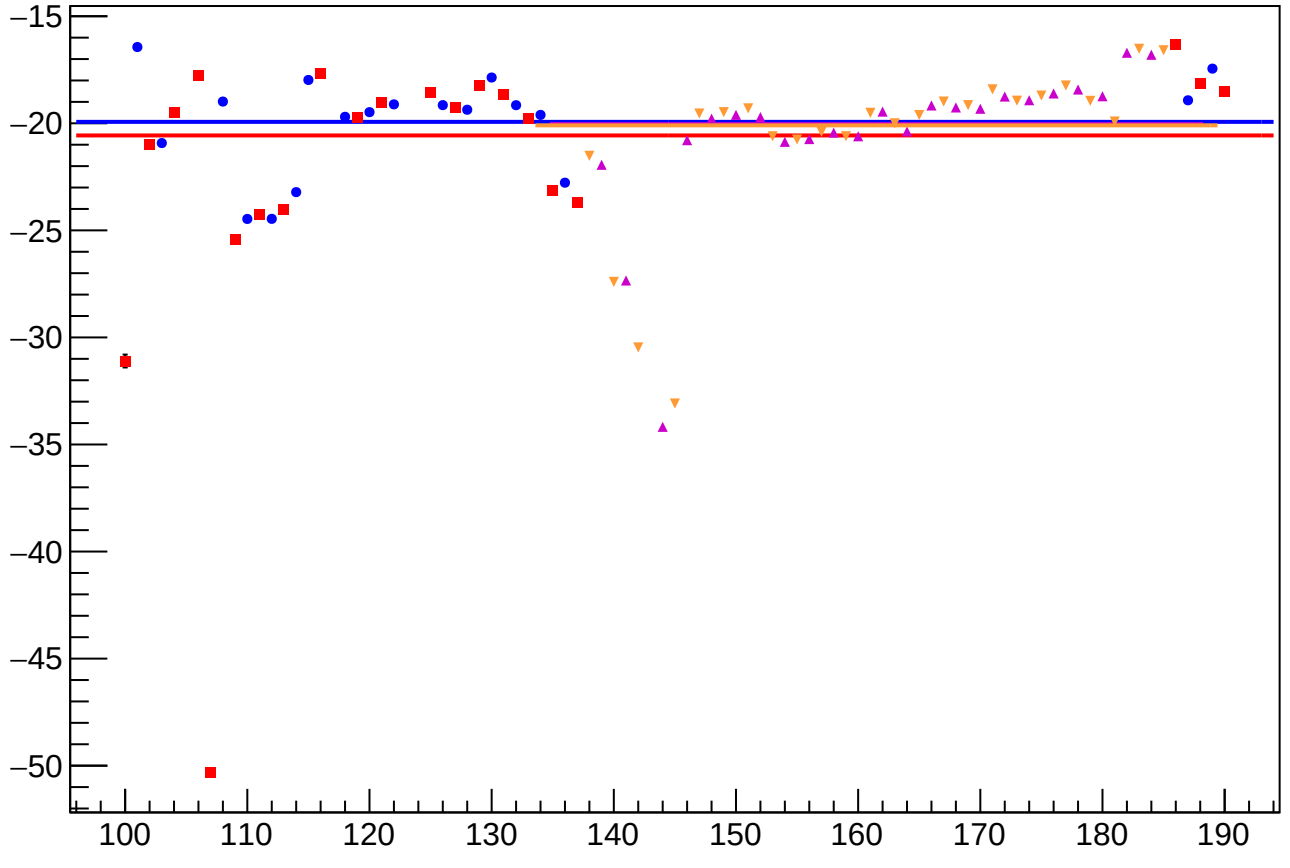
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.373+/-0.175 χ^2/NDF: 807.4/38

In: 6.963+/-0.144 χ^2/NDF:1017.7/40

Out: 6.700+/-0.142 χ^2/NDF:943.3/44

All: 6.830+/-0.101 χ^2/NDF: 1962.7/85



Right In: -19.933+/-0.015 χ^2/NDF: 21835.0/17

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.567+/-0.015 χ^2/NDF: 63039.2/20

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

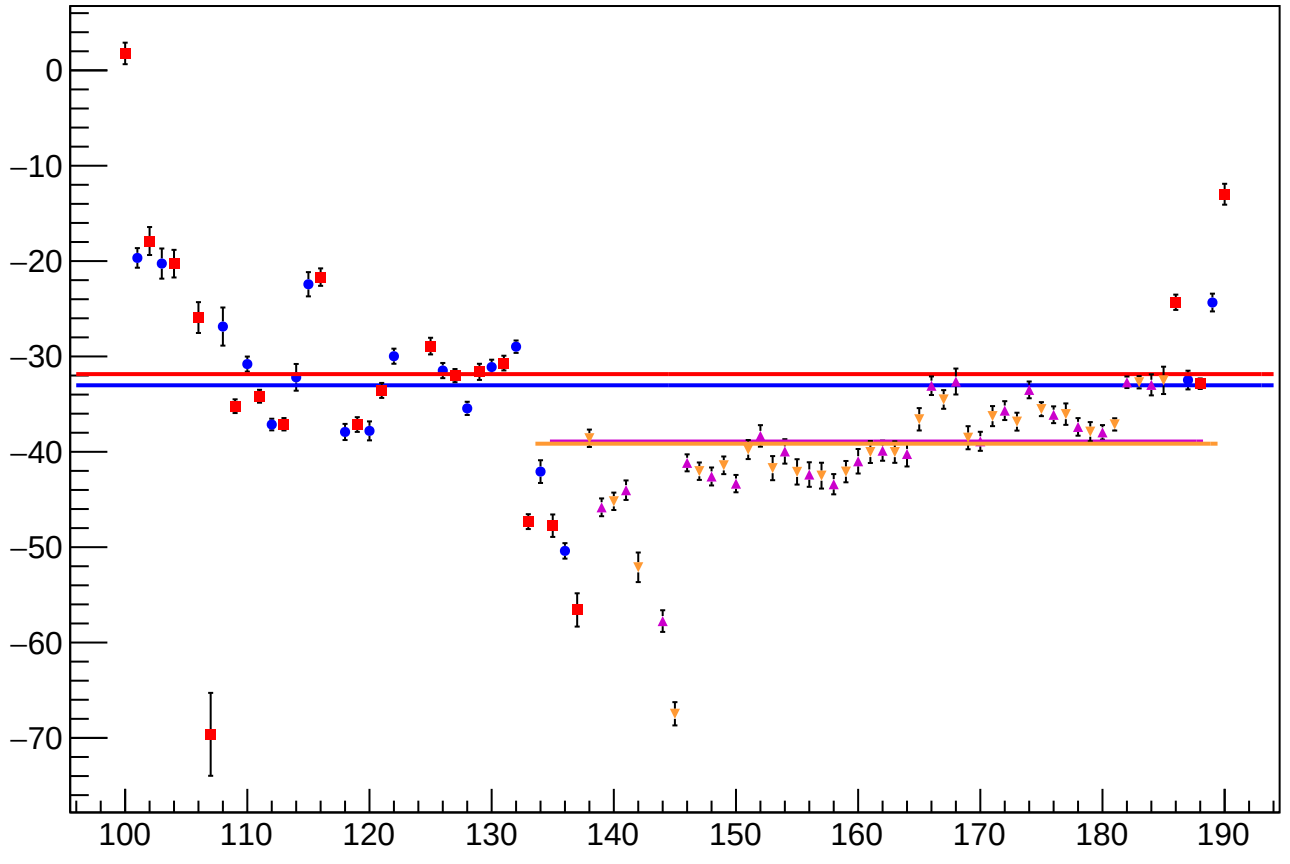
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

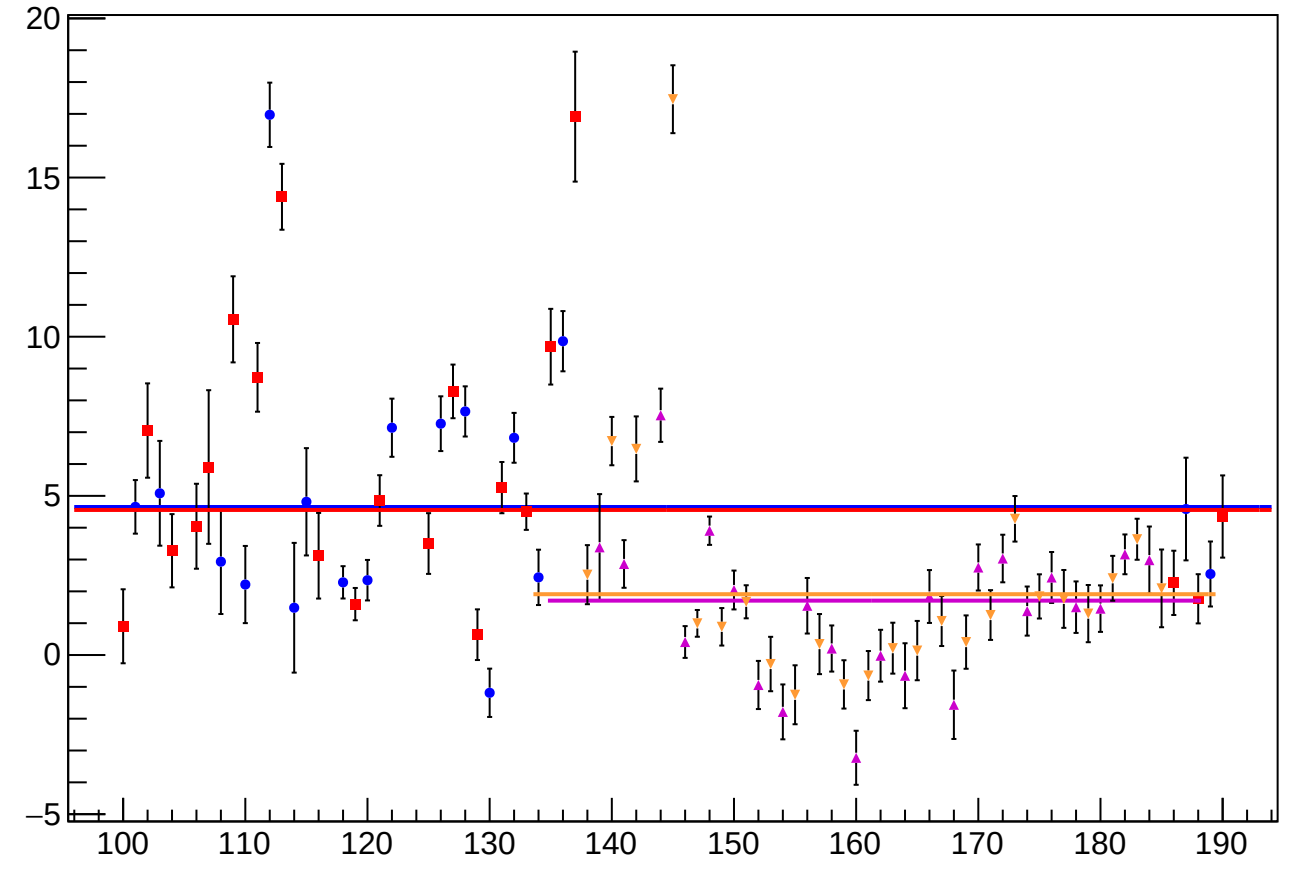
Right: -20.254+/-0.011 χ^2/NDF: 85740.5/38

In: -20.015+/-0.007 χ^2/NDF:154163.5/40

Out: -20.197+/-0.007 χ^2/NDF:223092.4/44

All: -20.106+/-0.005 χ^2/NDF: 377590.8/85


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
190
Right In: -33.024+/-0.208 χ²/NDF: 1101.1/17
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.852+/-0.189 χ²/NDF: 2583.9/20
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -32.382+/-0.140 χ²/NDF: 3702.3/38
In: -36.031+/-0.146 χ²/NDF:2195.9/40
Out: -35.248+/-0.138 χ²/NDF:4177.0/44
All: -35.619+/-0.100 χ²/NDF: 6388.2/85



Right In: 4.650+/-0.213 χ^2/NDF: 330.2/17

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.557+/-0.204 χ^2/NDF: 293.7/20

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

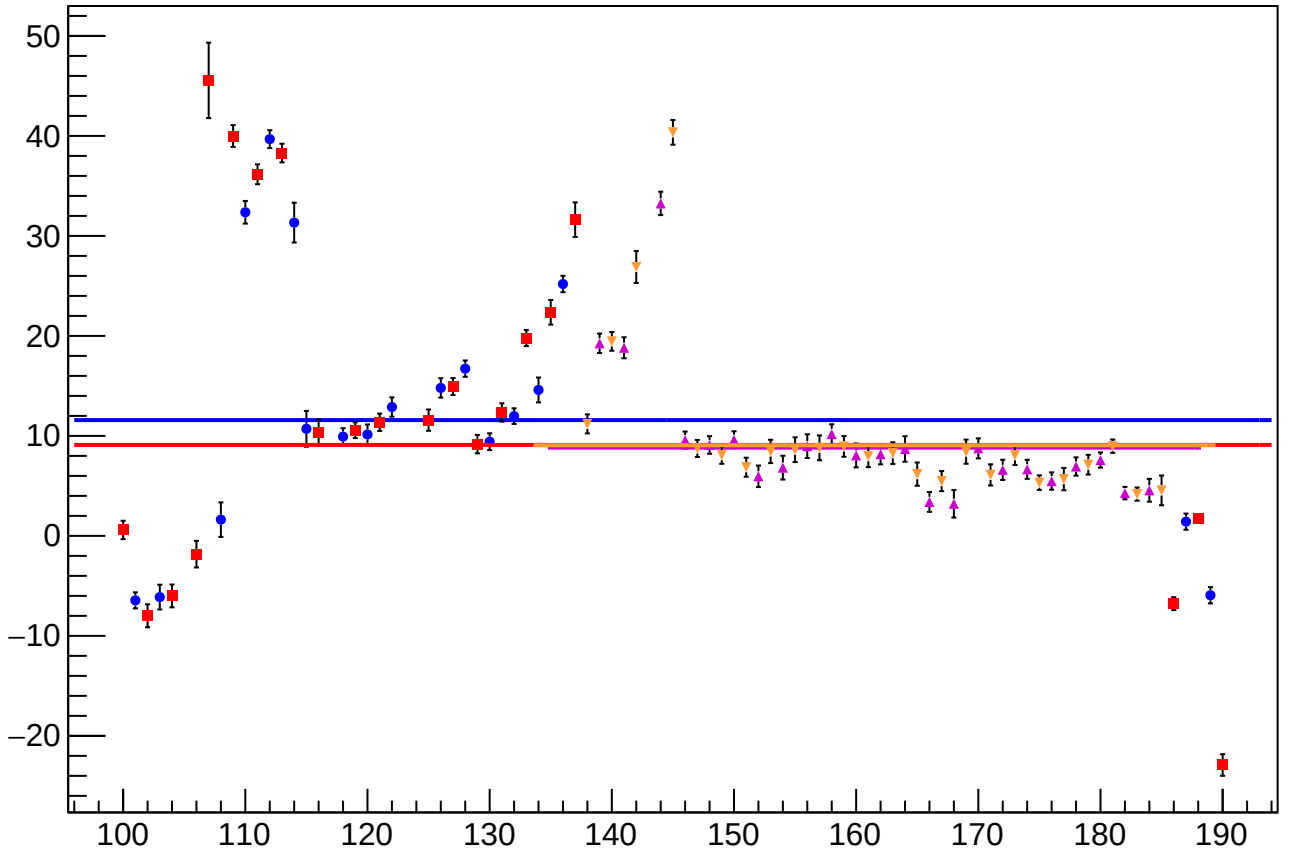
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.602+/-0.147 χ^2/NDF: 623.9/38

In: 2.728+/-0.125 χ^2/NDF:637.5/40

Out: 2.857+/-0.122 χ^2/NDF:760.7/44

All: 2.794+/-0.087 χ^2/NDF: 1398.8/85



Right In: 11.579+/-0.227 χ^2/NDF: 3132.0/17

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 9.097+/-0.198 χ^2/NDF: 5472.9/20

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

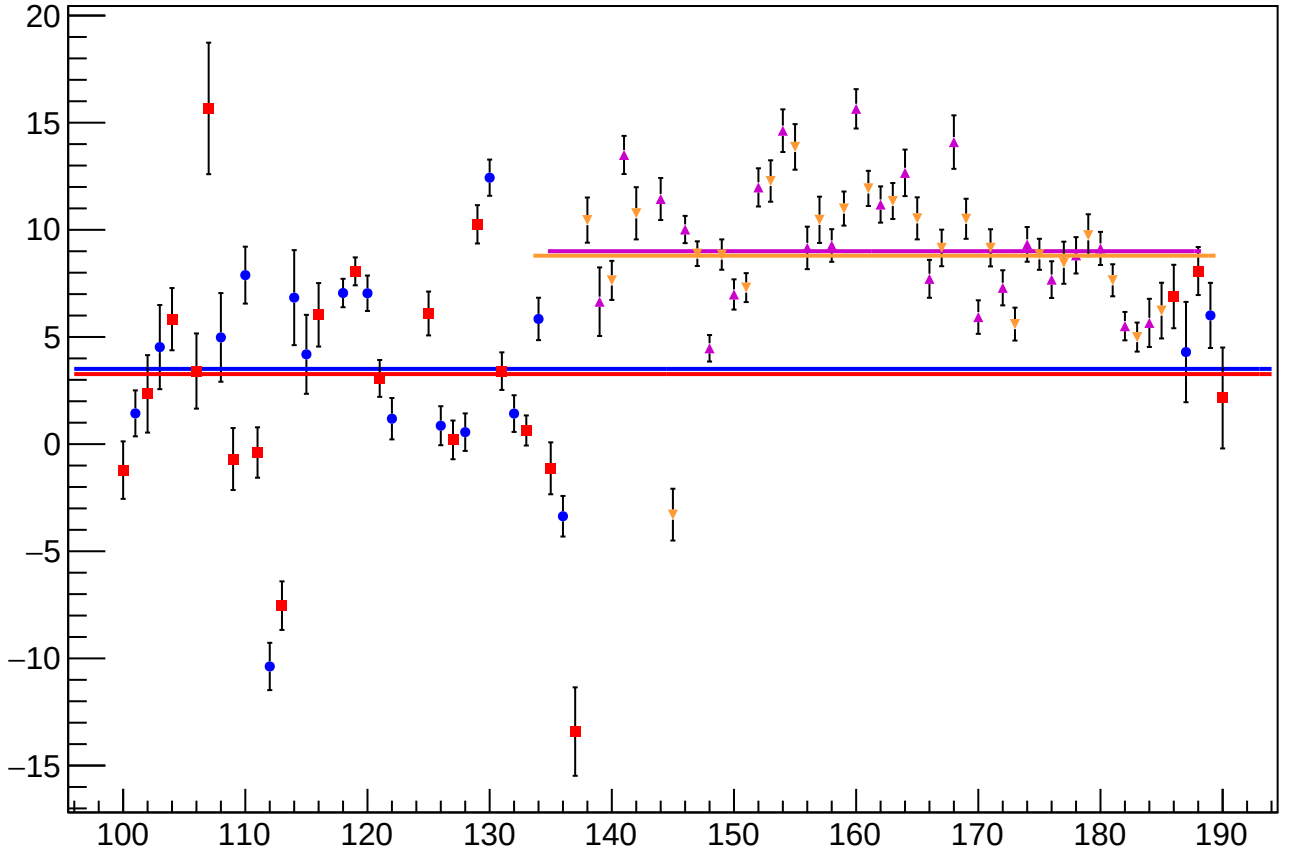
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 10.172+/-0.149 χ^2/NDF: 8672.6/38

In: 10.041+/-0.151 χ^2/NDF:4015.5/40

Out: 9.079+/-0.141 χ^2/NDF:6506.4/44

All: 9.529+/-0.103 χ^2/NDF: 10543.6/85



Right In: 3.511+/-0.249 χ^2/NDF: 426.9/17

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.268+/-0.242 χ^2/NDF: 394.1/20

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

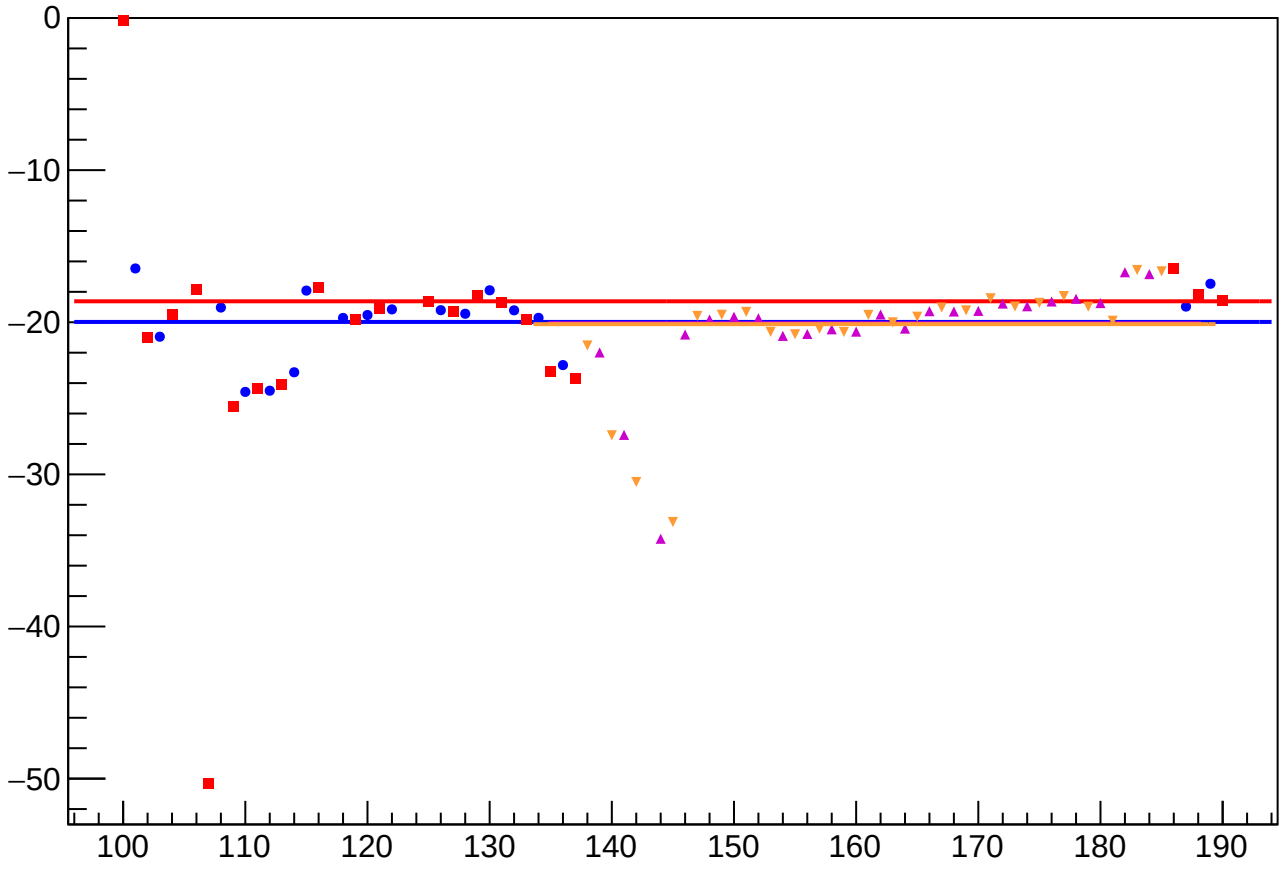
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.386+/-0.174 χ^2/NDF: 821.5/38

In: 7.177+/-0.144 χ^2/NDF:1040.5/40

Out: 6.916+/-0.141 χ^2/NDF:981.2/44

All: 7.044+/-0.101 χ^2/NDF: 2023.4/85



Right In: -19.978+/-0.015 χ^2/NDF: 21890.2/17

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.622+/-0.014 χ^2/NDF: 235222.8/20

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

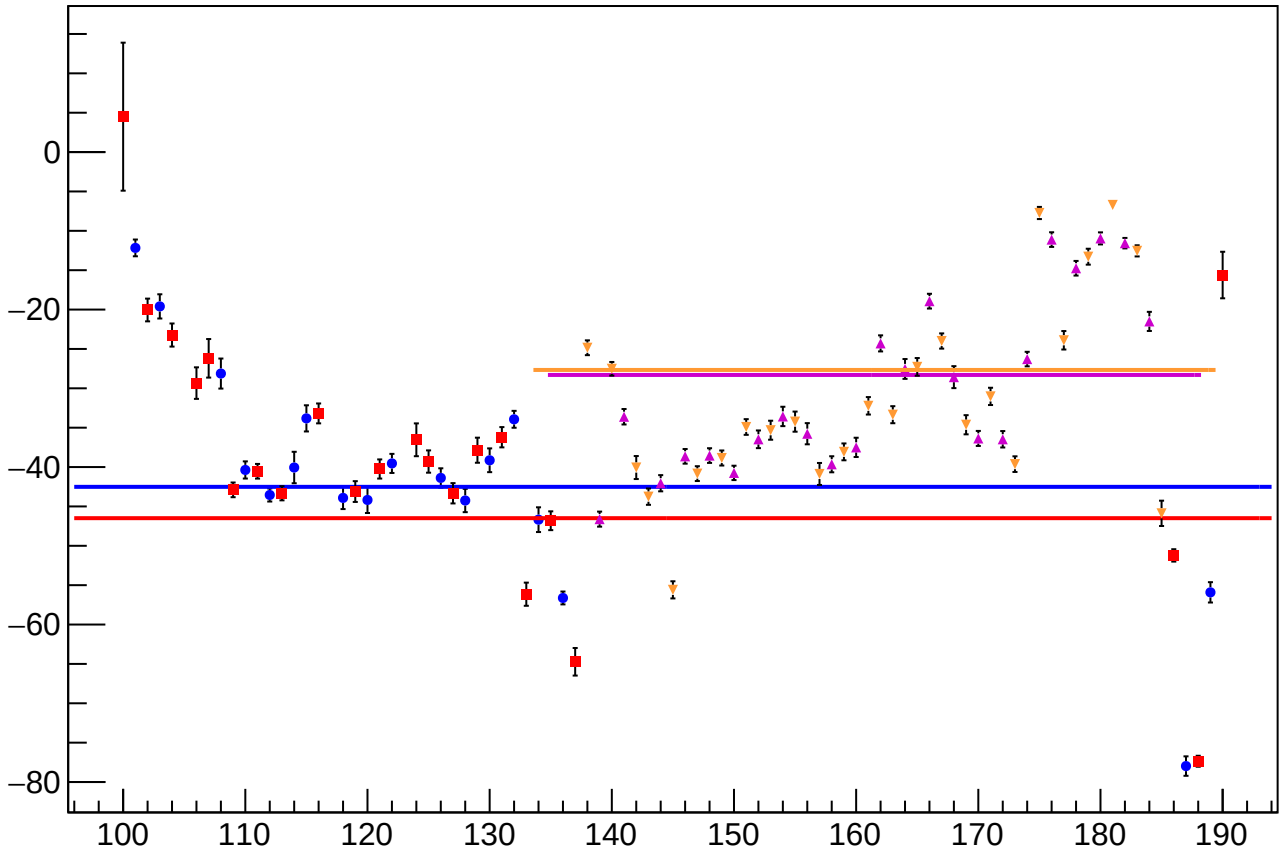
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.258+/-0.011 χ^2/NDF: 261248.0/38

In: -20.045+/-0.007 χ^2/NDF:154604.2/40

Out: -19.775+/-0.007 χ^2/NDF:402100.8/44

All: -19.909+/-0.005 χ^2/NDF: 557450.8/85



Right In: -42.513+/-0.293 χ^2/NDF: 2444.0/17

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -46.492+/-0.263 χ^2/NDF: 3382.7/21

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

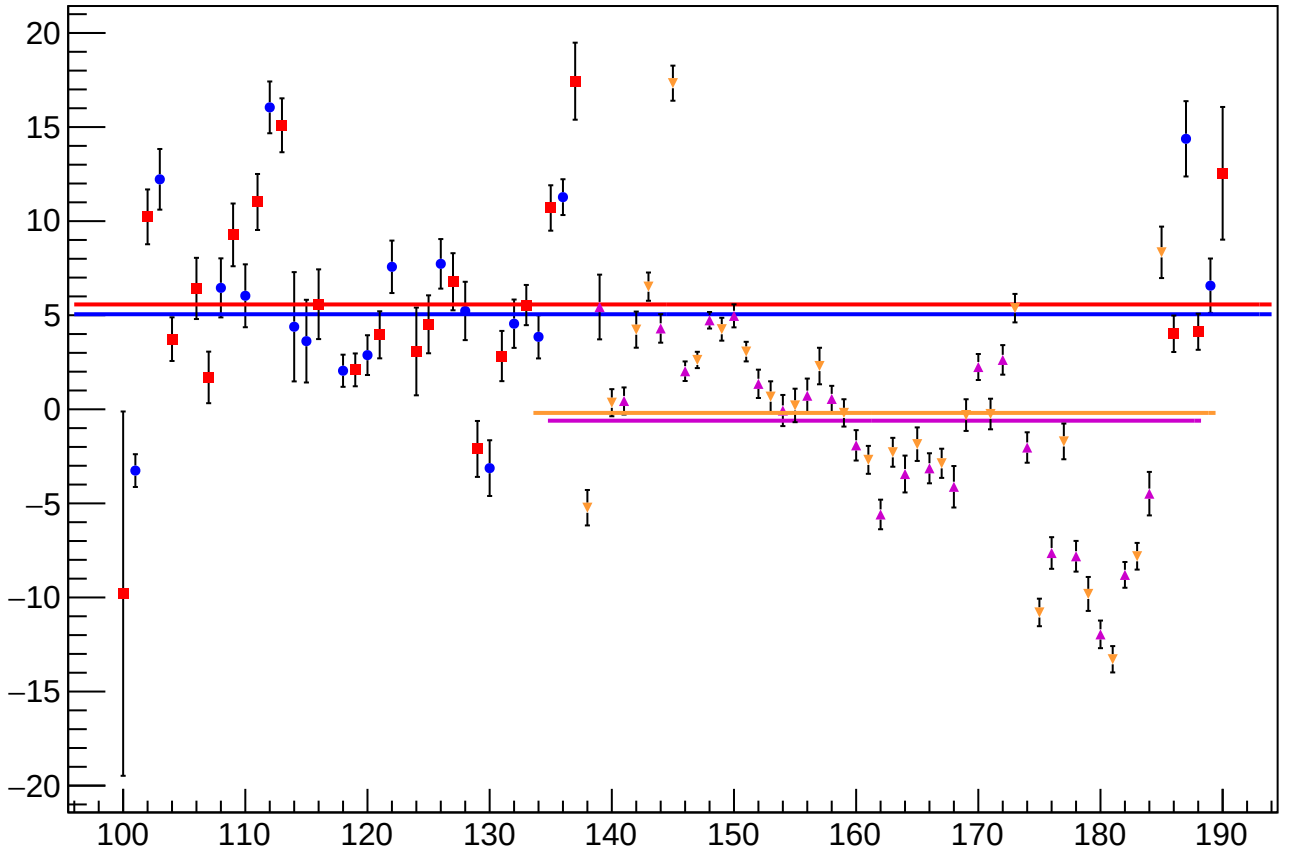
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -44.715+/-0.196 χ^2/NDF: 5928.6/39

In: -32.988+/-0.168 χ^2/NDF:7290.0/40

Out: -34.569+/-0.160 χ^2/NDF:11012.1/46

All: -33.821+/-0.116 χ^2/NDF: 18348.5/87



Right In: 5.052+/-0.305 χ^2/NDF: 297.6/17

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.573+/-0.292 χ^2/NDF: 197.2/21

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

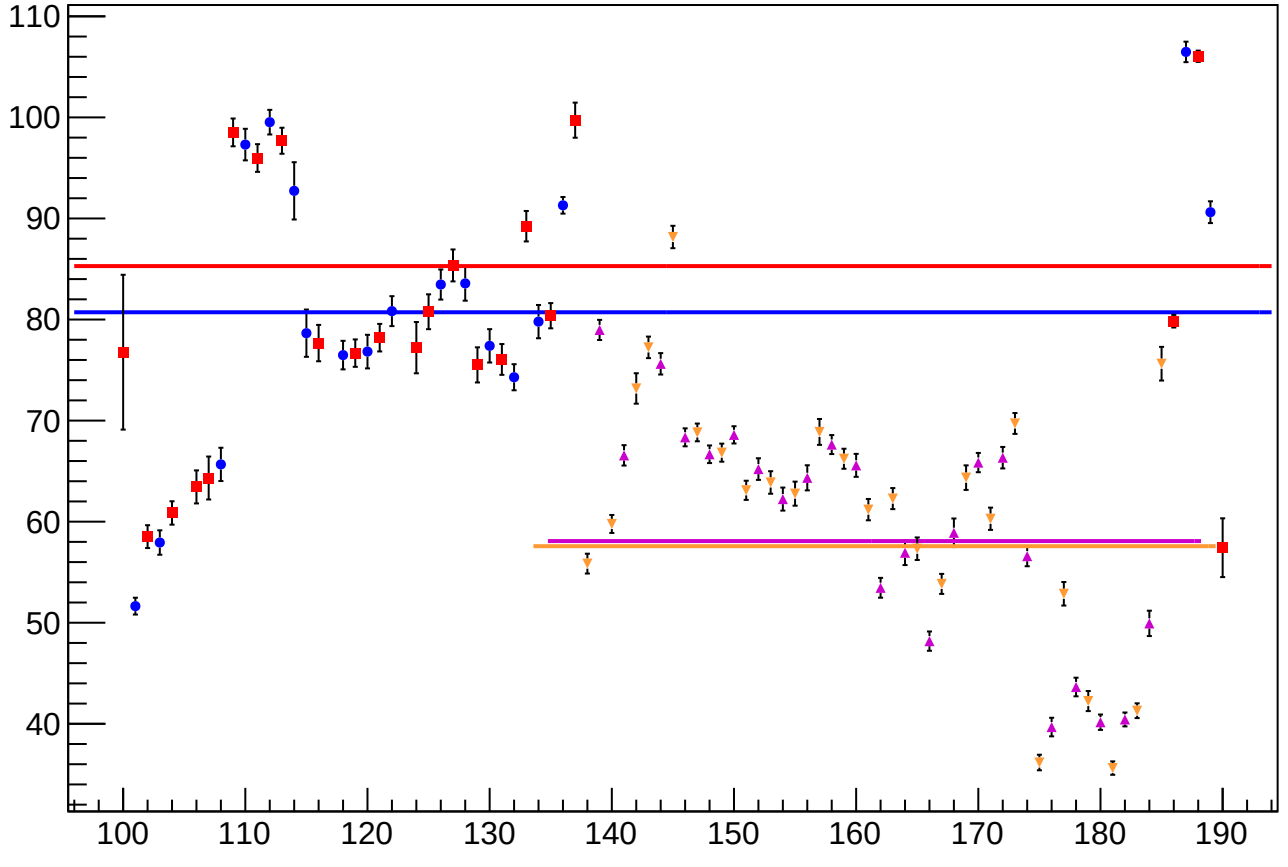
Right: 5.324+/-0.211 χ^2/NDF: 496.2/39

In: 0.558+/-0.138 χ^2/NDF:1545.4/40

Out: 1.016+/-0.133 χ^2/NDF:2051.6/46

All: 0.795+/-0.096 χ^2/NDF: 3602.6/87

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 80.719+/-0.306 χ^2/NDF: 2973.6/17

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 85.288+/-0.266 χ^2/NDF: 3339.9/21

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

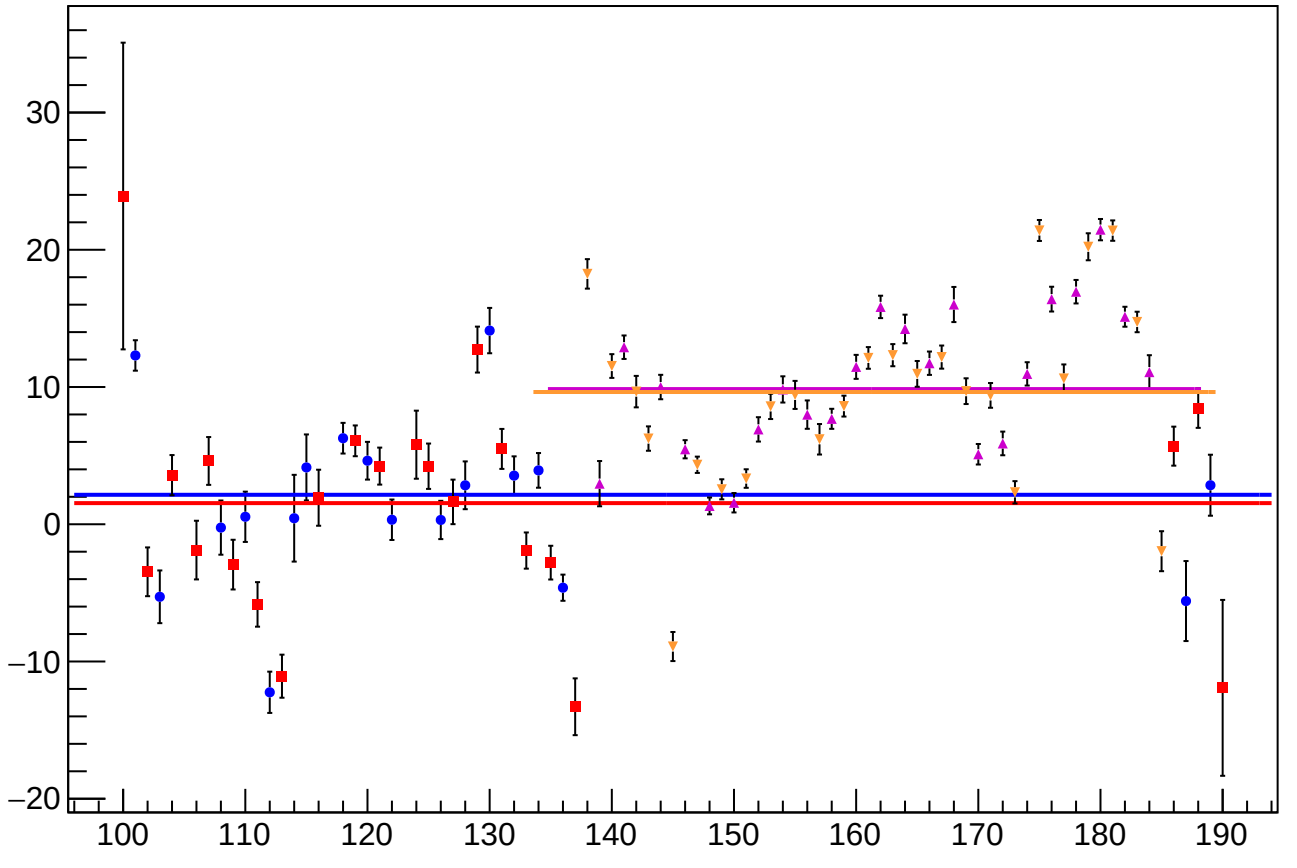
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 83.324+/-0.201 χ^2/NDF: 6440.2/39

In: 65.005+/-0.170 χ^2/NDF:10319.3/40

Out: 67.512+/-0.159 χ^2/NDF:14983.1/46

All: 66.336+/-0.116 χ^2/NDF: 25418.6/87



Right In: 2.147+/-0.356 χ^2/NDF: 326.8/17

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.540+/-0.349 χ^2/NDF: 295.8/21

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

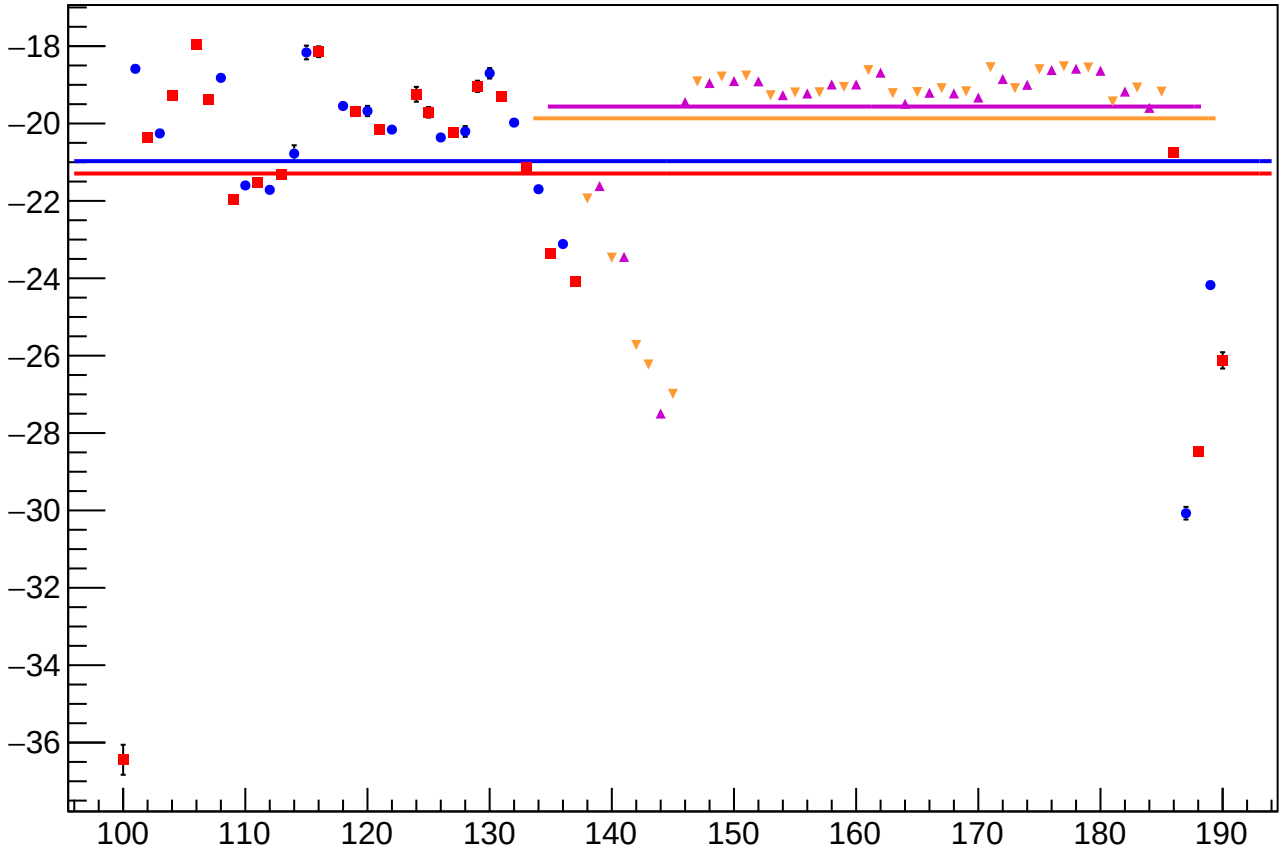
Right: 1.837+/-0.249 χ^2/NDF: 624.1/39

In: 8.330+/-0.158 χ^2/NDF:1696.4/40

Out: 8.061+/-0.154 χ^2/NDF:2221.4/46

All: 8.192+/-0.110 χ^2/NDF: 3919.3/87

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.973+/-0.019 χ^2/NDF: 11841.5/17

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.293+/-0.019 χ^2/NDF: 19274.2/21

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

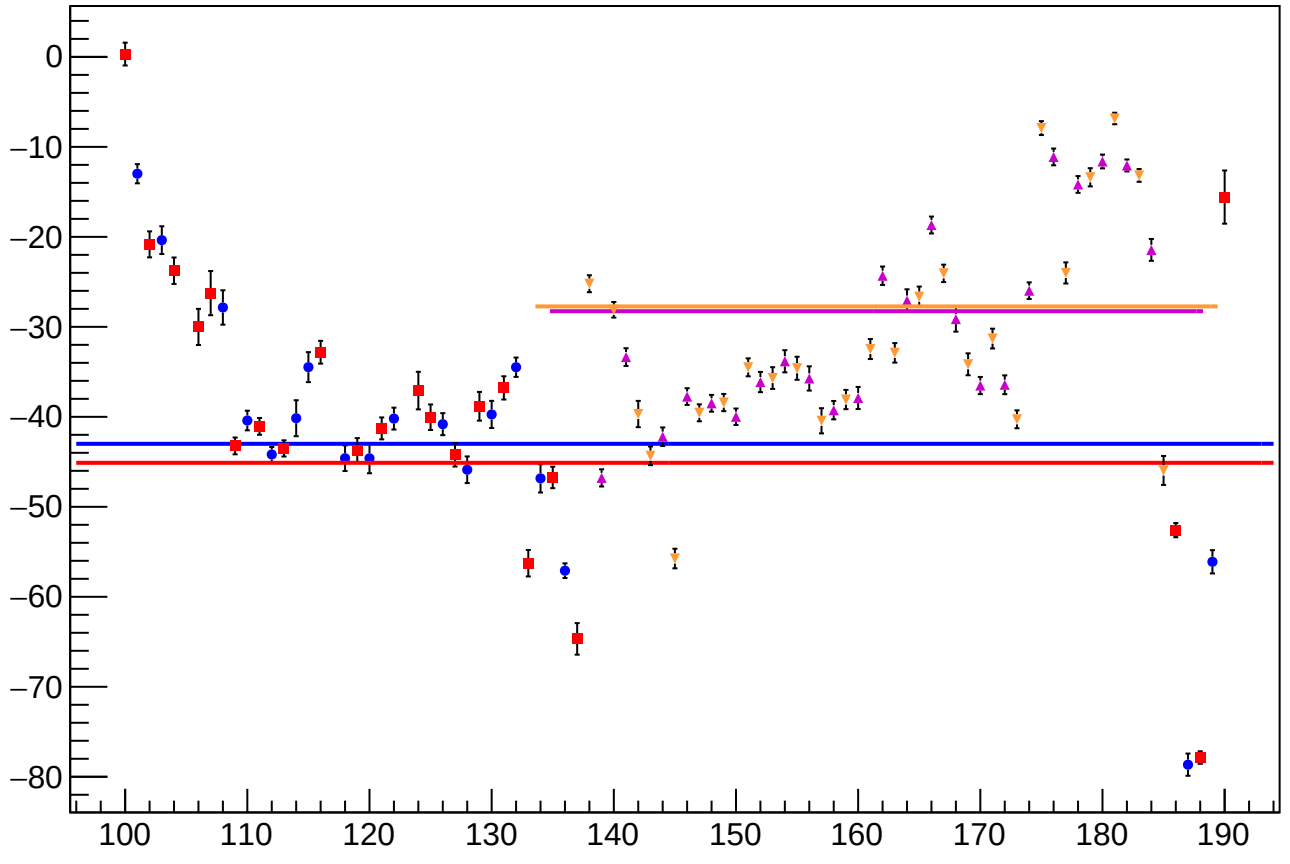
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.131+/-0.013 χ^2/NDF: 31257.1/39

In: -19.773+/-0.007 χ^2/NDF:61721.8/40

Out: -20.073+/-0.007 χ^2/NDF:102938.0/46

All: -19.924+/-0.005 χ^2/NDF: 165503.3/87



Right In: -42.998+/-0.294 χ^2/NDF: 2427.8/17

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -45.110+/-0.258 χ^2/NDF: 4693.4/21

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

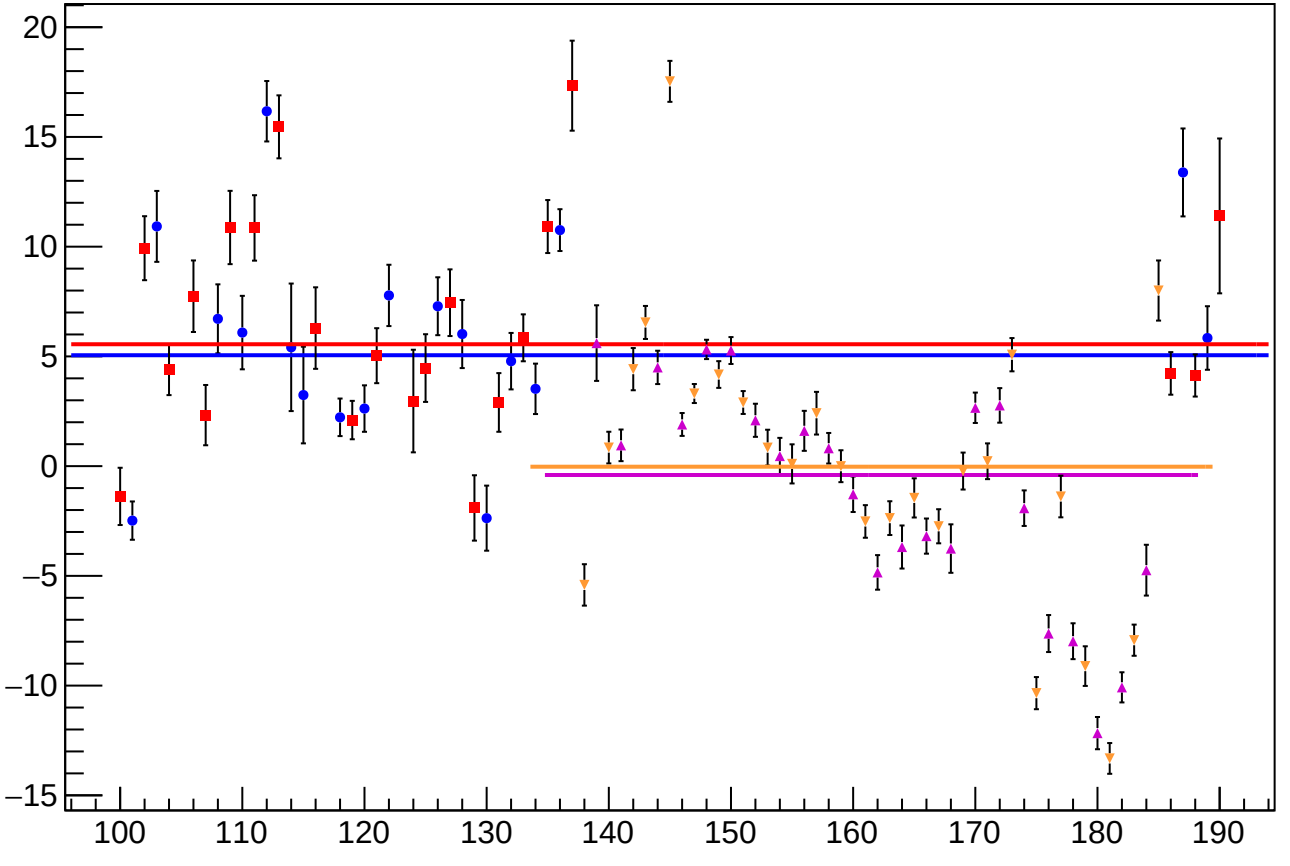
Right: -44.188+/-0.194 χ^2/NDF: 7150.3/39

In: -33.123+/-0.169 χ^2/NDF:7286.3/40

Out: -34.270+/-0.159 χ^2/NDF:11813.7/46

All: -33.732+/-0.116 χ^2/NDF: 19124.6/87

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.054+/-0.305 χ^2/NDF: 258.7/17

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.554+/-0.285 χ^2/NDF: 223.9/21

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

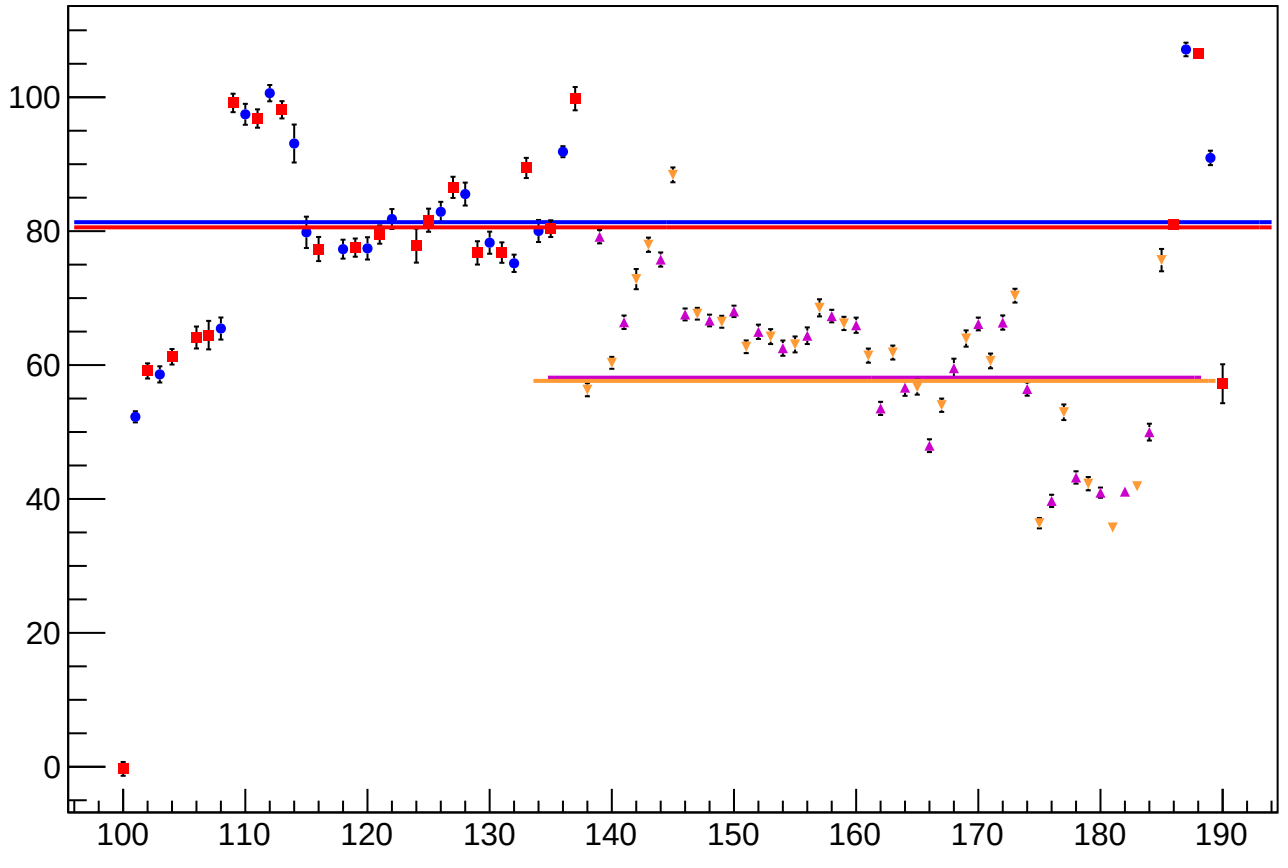
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.321+/-0.208 χ^2/NDF: 484.0/39

In: 0.718+/-0.139 χ^2/NDF:1596.3/40

Out: 1.188+/-0.133 χ^2/NDF:2055.5/46

All: 0.963+/-0.096 χ^2/NDF: 3657.7/87



Right In: 81.341+/-0.307 χ^2/NDF: 2969.3/17

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 80.570+/-0.258 χ^2/NDF: 9839.4/21

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

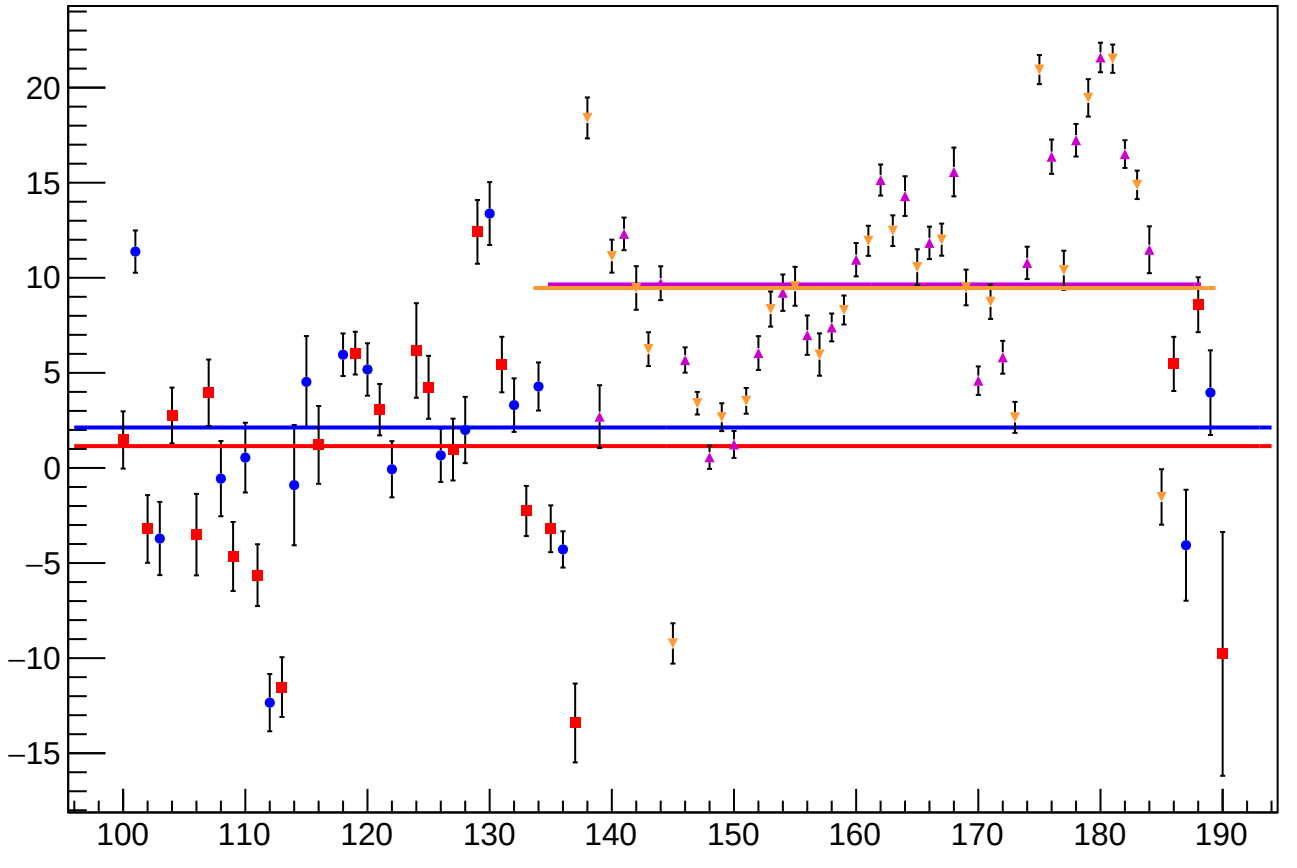
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 80.889+/-0.198 χ^2/NDF: 12812.4/39

In: 65.225+/-0.170 χ^2/NDF:10385.5/40

Out: 66.199+/-0.158 χ^2/NDF:19396.1/46

All: 65.748+/-0.116 χ^2/NDF: 29799.3/87



Right In: 2.128+/-0.356 χ^2/NDF: 295.5/17

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.149+/-0.340 χ^2/NDF: 296.6/21

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

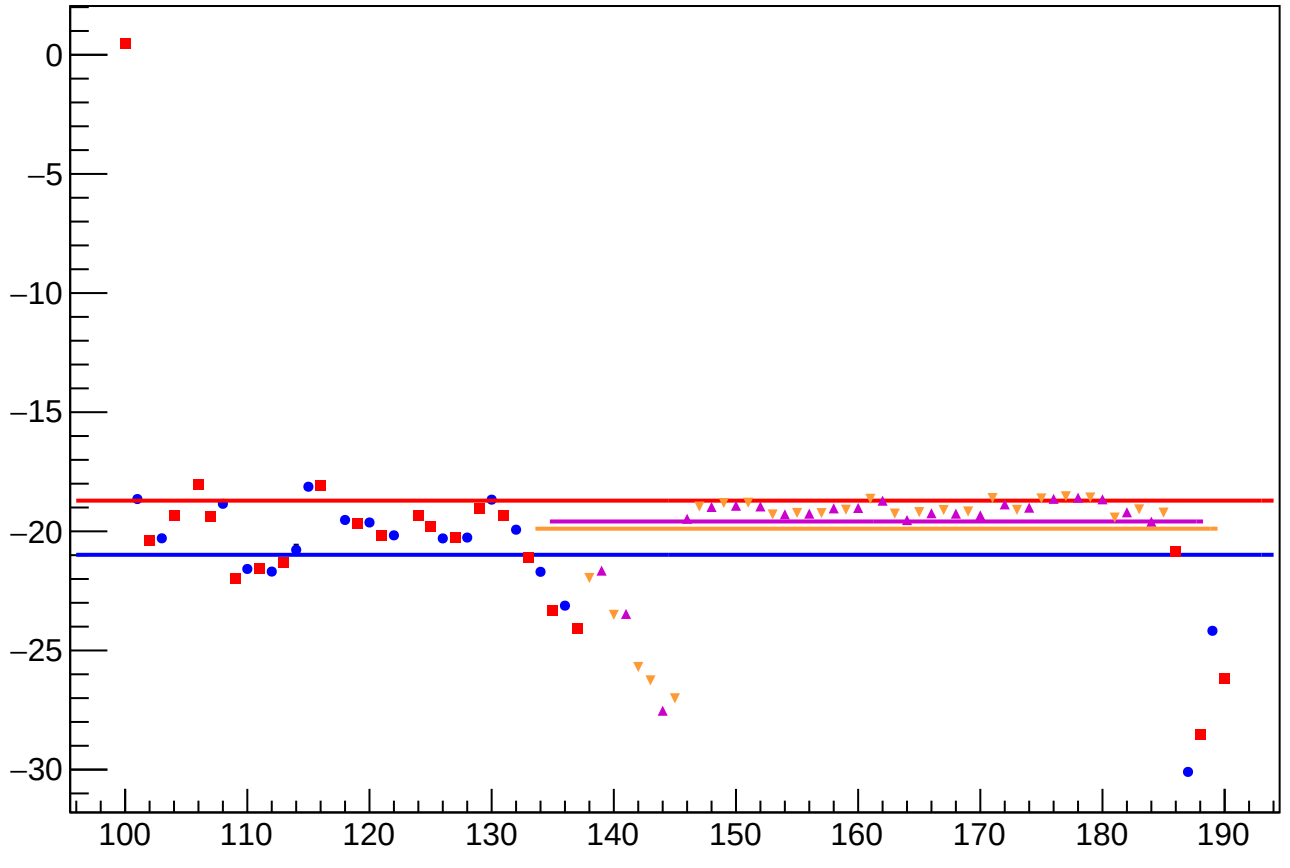
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.616+/-0.246 χ^2/NDF: 596.1/39

In: 8.165+/-0.158 χ^2/NDF:1732.1/40

Out: 7.776+/-0.153 χ^2/NDF:2255.2/46

All: 7.964+/-0.110 χ^2/NDF: 3990.4/87



Right In: -20.985+/-0.019 χ^2/NDF: 11713.1/17

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.712+/-0.018 χ^2/NDF: 169819.0/21

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

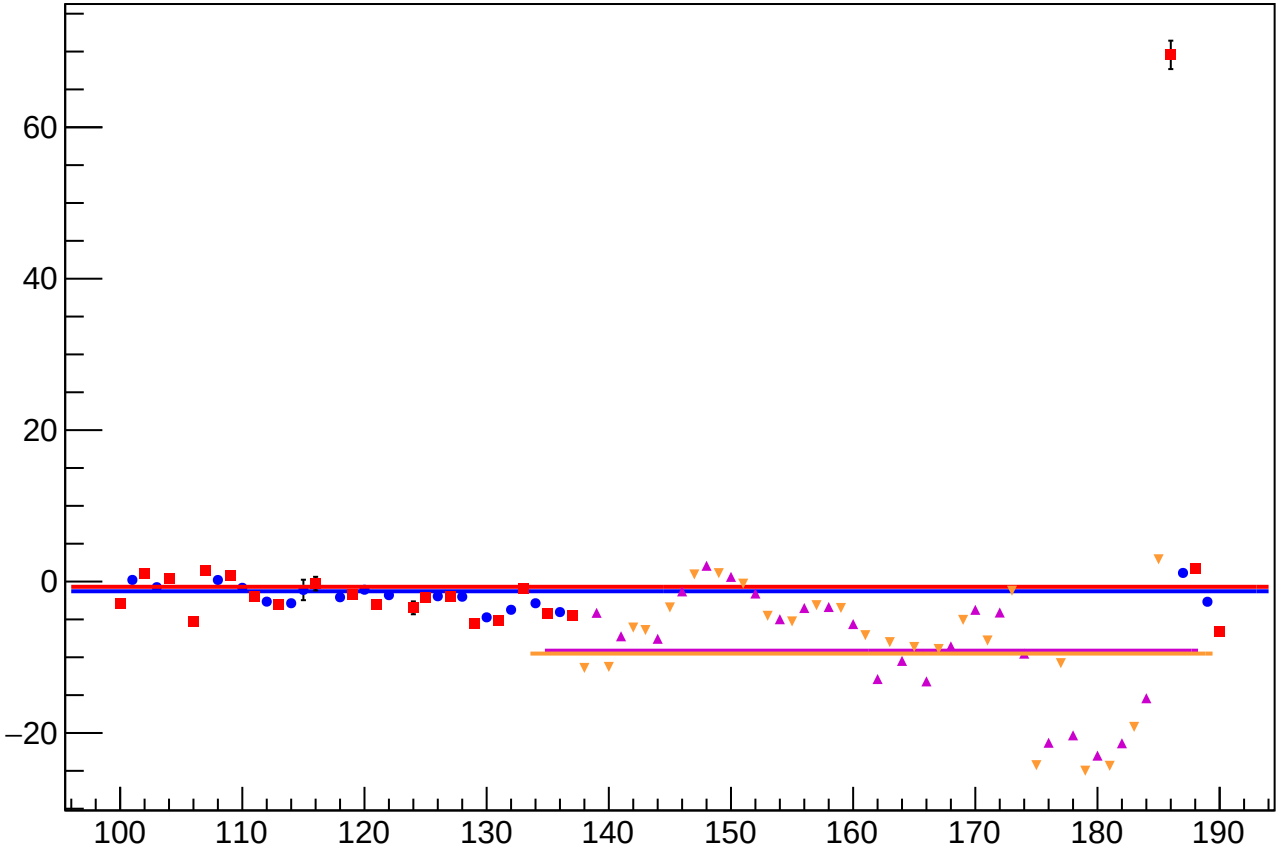
Right: -19.786+/-0.013 χ^2/NDF: 189083.7/39

In: -19.796+/-0.007 χ^2/NDF:61408.2/40

Out: -19.699+/-0.007 χ^2/NDF:251925.9/46

All: -19.747+/-0.005 χ^2/NDF: 313421.4/87

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.282+/-0.054 χ^2/NDF: 646.1/17

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.693+/-0.049 χ^2/NDF: 3252.4/21

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

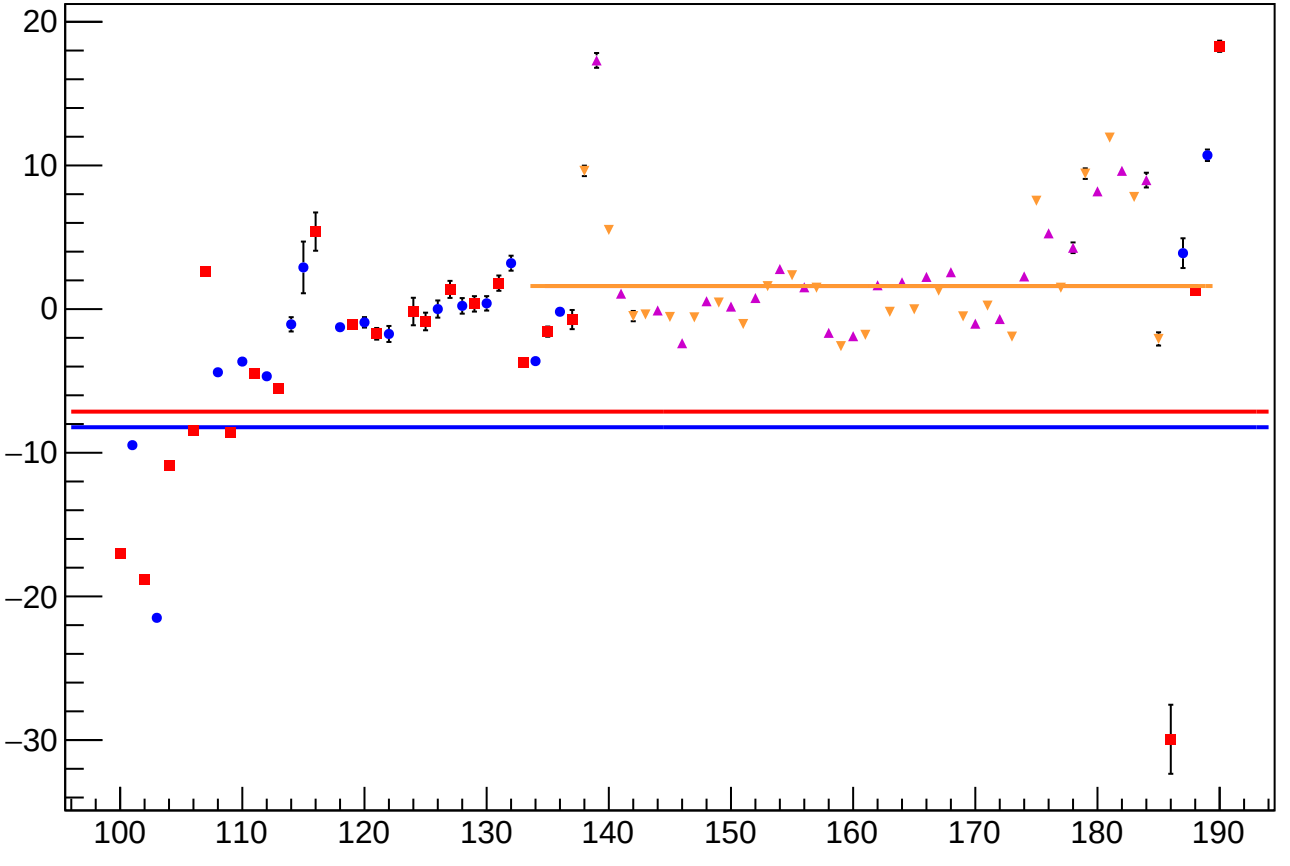
Right: -0.958+/-0.036 χ^2/NDF: 3964.6/39

In: -3.955+/-0.044 χ^2/NDF:18303.7/40

Out: -3.420+/-0.040 χ^2/NDF:26351.8/46

All: -3.667+/-0.030 χ^2/NDF: 44736.4/87

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.223+/-0.056 χ^2/NDF: 16269.0/17

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -7.137+/-0.056 χ^2/NDF: 20032.0/21

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

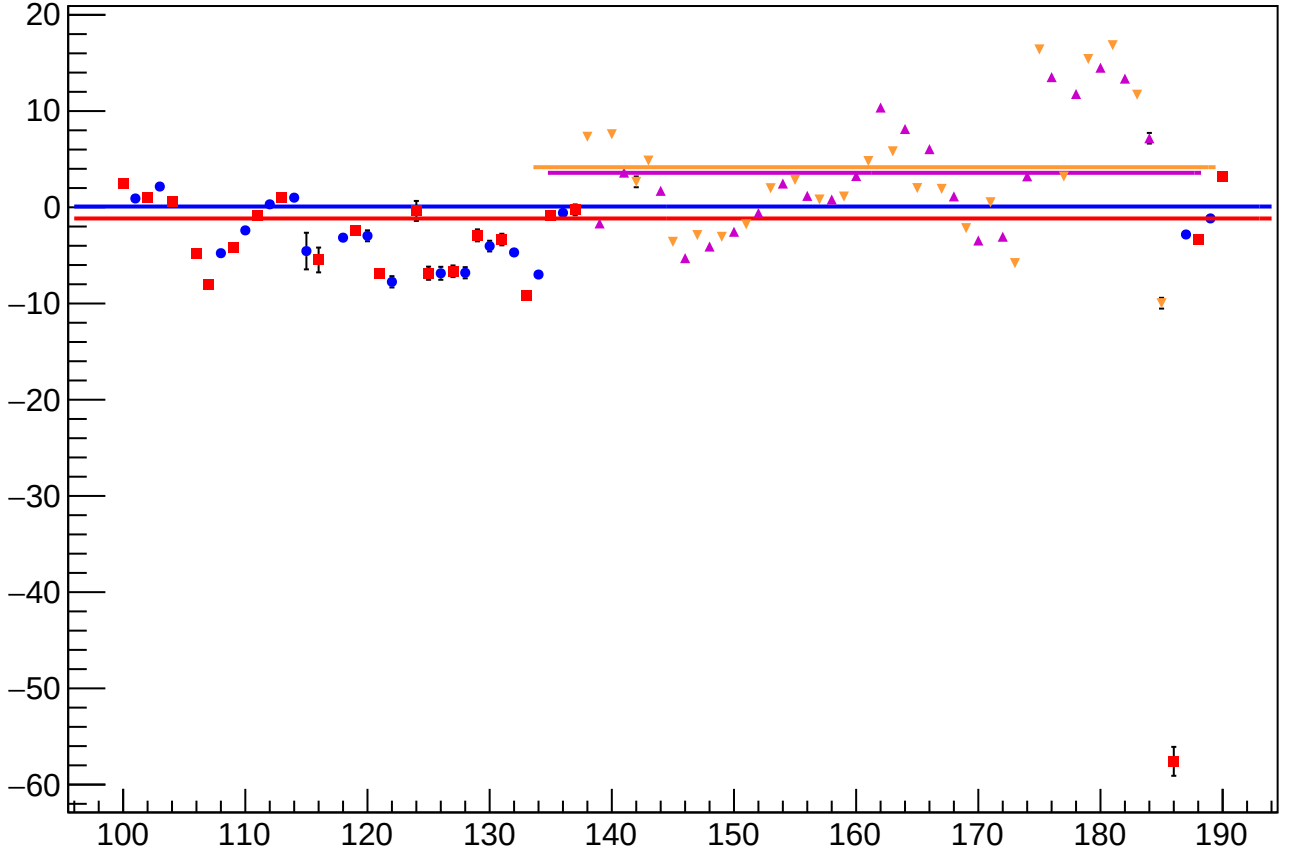
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -7.674+/-0.040 χ^2/NDF: 36489.2/39

In: -3.429+/-0.040 χ^2/NDF:34798.7/40

Out: -2.729+/-0.039 χ^2/NDF:37156.8/46

All: -3.069+/-0.028 χ^2/NDF: 72110.9/87



Right In: 0.080+/-0.052 χ^2/NDF: 2006.9/17

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -1.162+/-0.050 χ^2/NDF: 4786.5/21

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

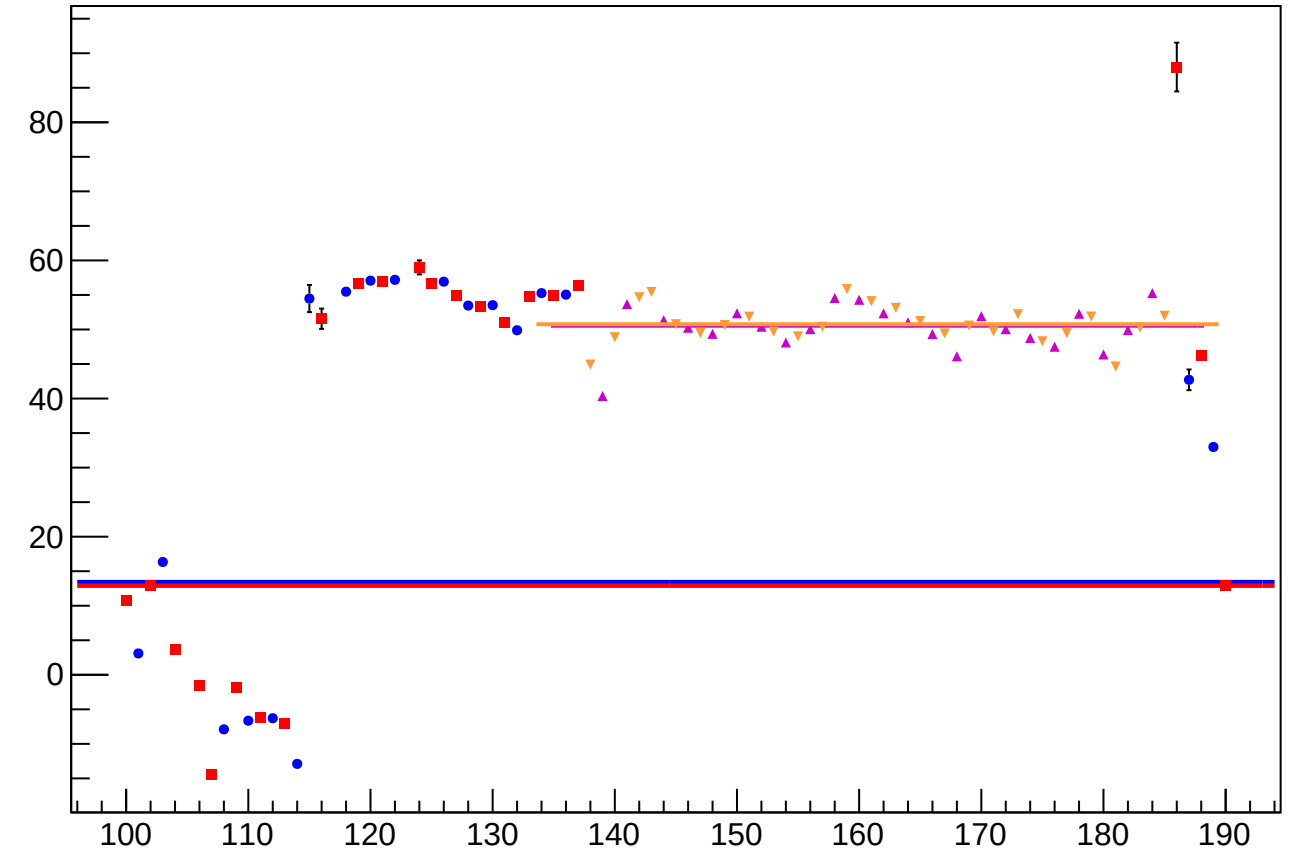
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.569+/-0.036 χ^2/NDF: 7090.9/39

In: 1.240+/-0.043 χ^2/NDF:10737.2/40

Out: 0.558+/-0.041 χ^2/NDF:17732.2/46

All: 0.886+/-0.030 χ^2/NDF: 28602.6/87



Right In: 13.455+/-0.067 χ^2/NDF: 110071.2/17

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 12.870+/-0.067 χ^2/NDF: 126241.1/21

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

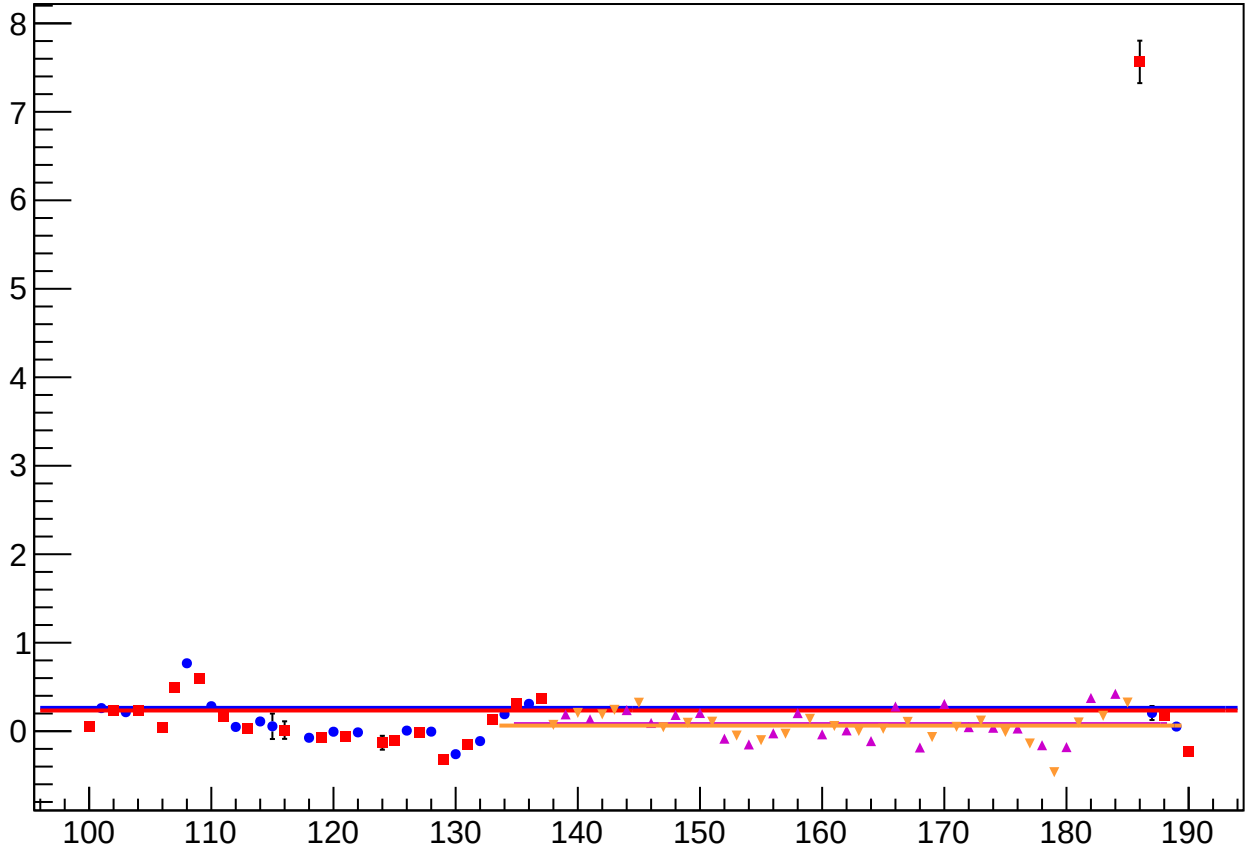
Right: 13.159+/-0.047 χ^2/NDF: 236350.3/39

In: 32.749+/-0.047 χ^2/NDF:269201.5/40

Out: 33.015+/-0.046 χ^2/NDF:300466.5/46

All: 32.885+/-0.033 χ^2/NDF: 569684.6/87

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.263+/-0.003 χ^2/NDF: 3834.4/17

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.234+/-0.003 χ^2/NDF: 3682.0/21

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

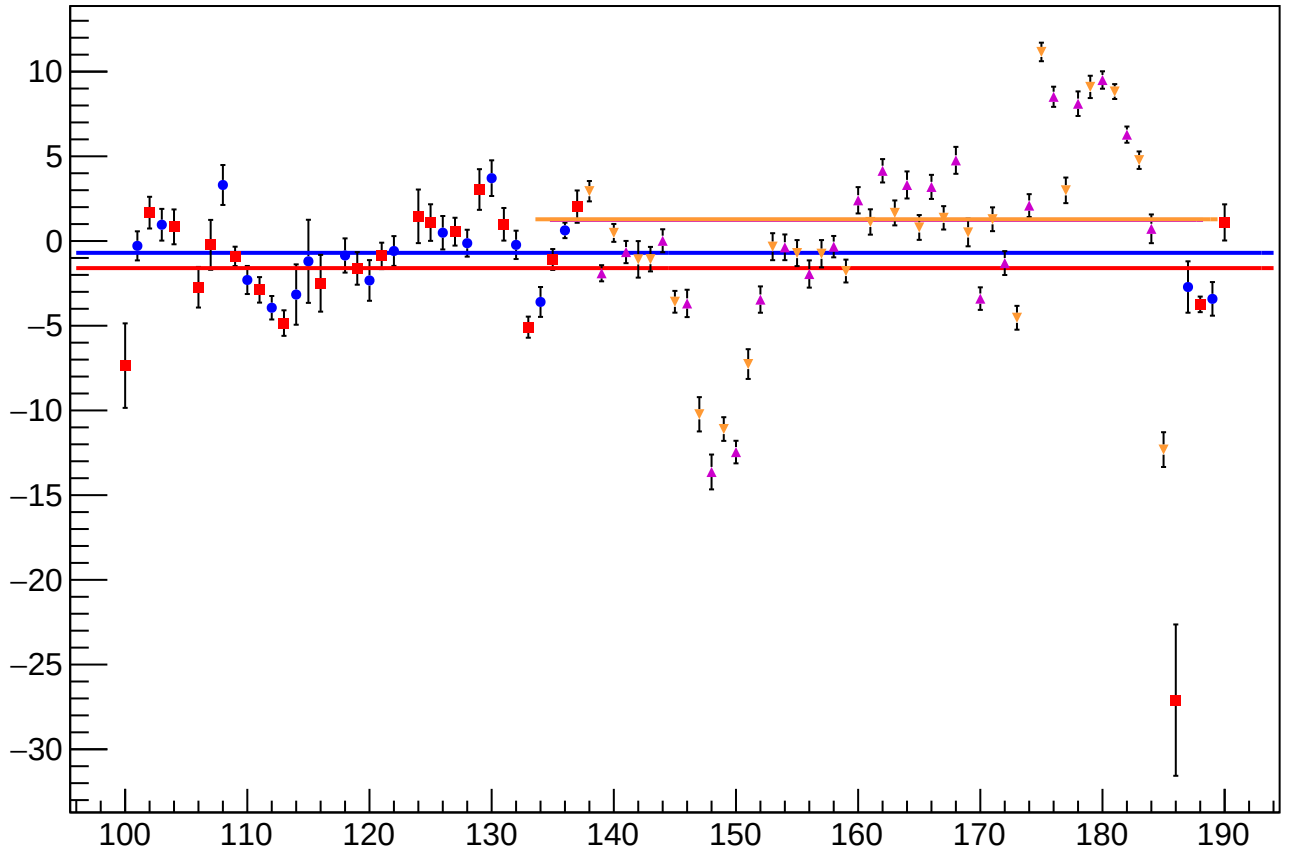
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.248+/-0.002 χ^2/NDF: 7574.4/39

In: 0.174+/-0.002 χ^2/NDF:9441.2/40

Out: 0.152+/-0.002 χ^2/NDF:8186.2/46

All: 0.162+/-0.001 χ^2/NDF: 17689.9/87



Right In: -0.698+/-0.210 χ^2/NDF: 92.6/17

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.599+/-0.184 χ^2/NDF: 195.0/21

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

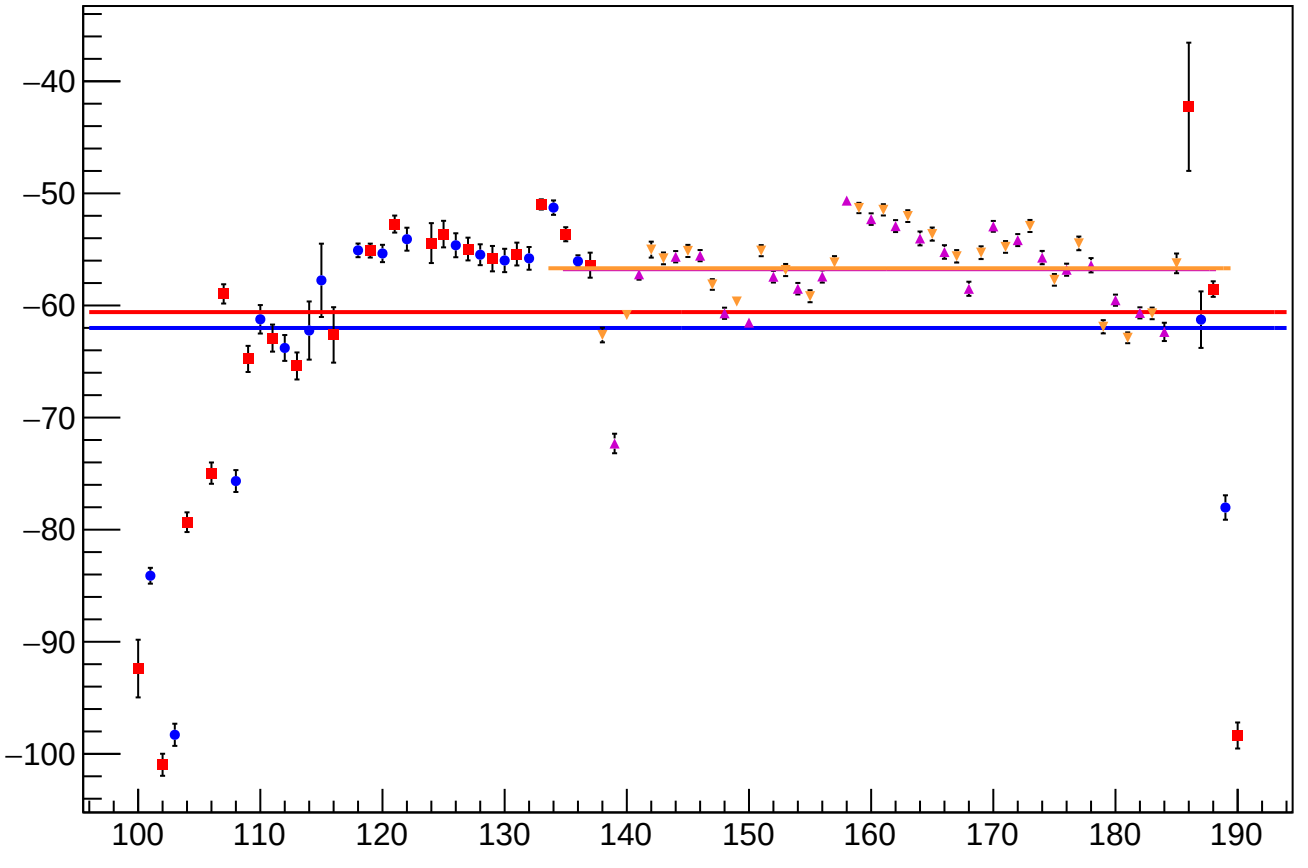
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.208+/-0.138 χ^2/NDF: 298.0/39

In: 0.646+/-0.117 χ^2/NDF:1664.2/40

Out: 0.255+/-0.110 χ^2/NDF:2068.5/46

All: 0.439+/-0.080 χ^2/NDF: 3738.7/87



Right In: -62.008+/-0.214 χ^2/NDF: 3575.8/17

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -60.591+/-0.195 χ^2/NDF: 4521.1/21

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

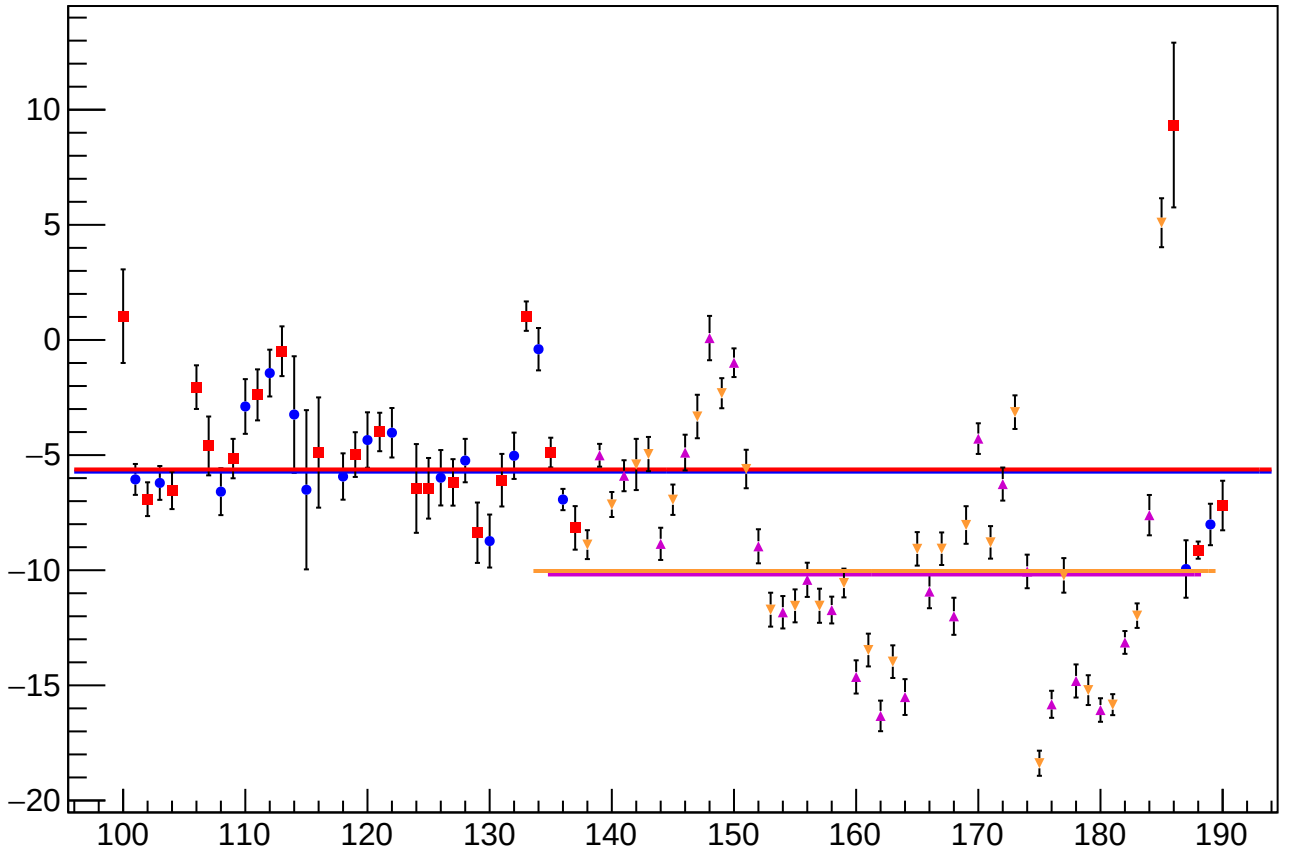
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -61.234+/-0.144 χ^2/NDF: 8120.8/39

In: -57.892+/-0.099 χ^2/NDF:5156.0/40

Out: -57.587+/-0.094 χ^2/NDF:5844.1/46

All: -57.732+/-0.068 χ^2/NDF: 11005.1/87



Right In: -5.719+/-0.219 χ^2/NDF: 95.6/17

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.624+/-0.188 χ^2/NDF: 296.0/21

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

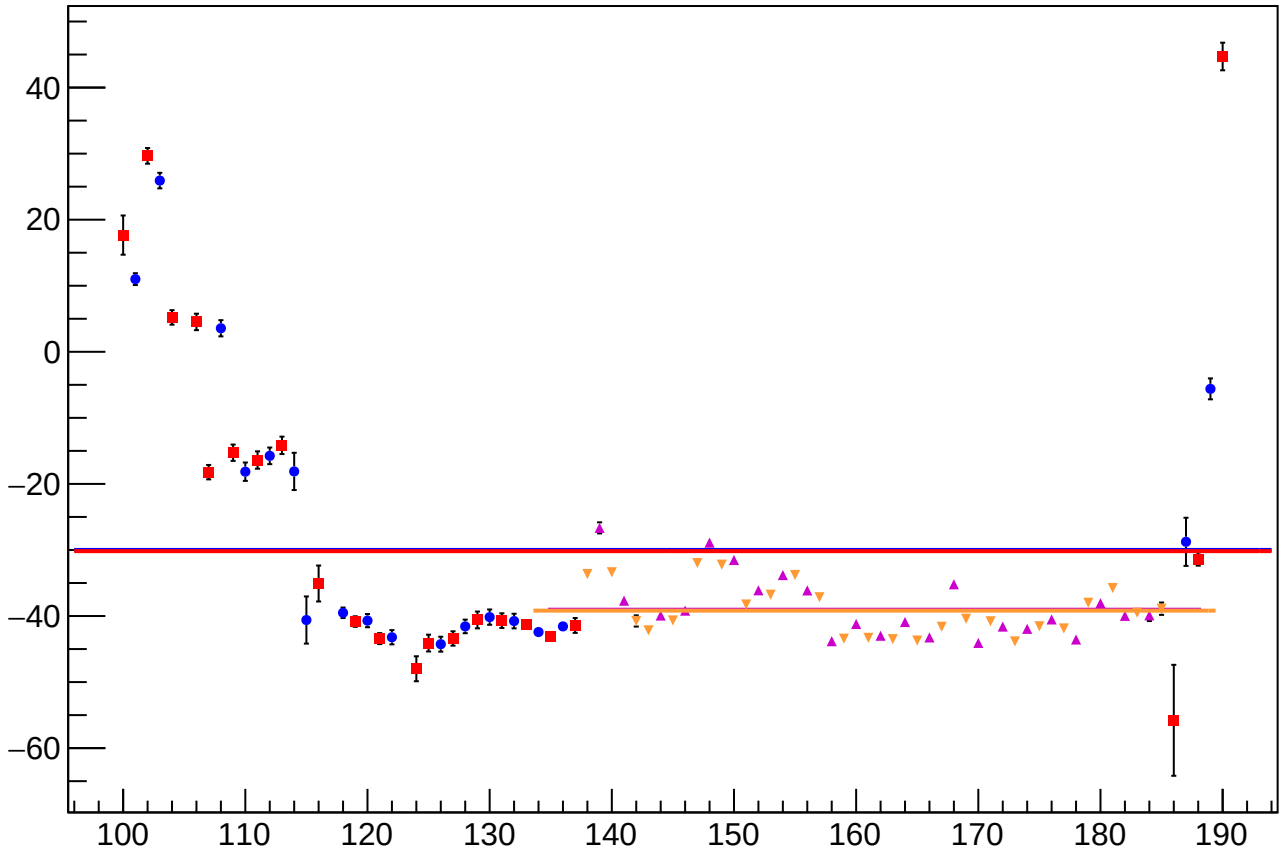
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.664+/-0.143 χ^2/NDF: 391.6/39

In: -8.903+/-0.117 χ^2/NDF:1533.8/40

Out: -8.515+/-0.110 χ^2/NDF:1839.3/46

All: -8.697+/-0.080 χ^2/NDF: 3378.9/87



Right In: -29.996+/-0.246 χ^2/NDF: 7180.7/17

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -30.177+/-0.230 χ^2/NDF: 8282.8/21

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

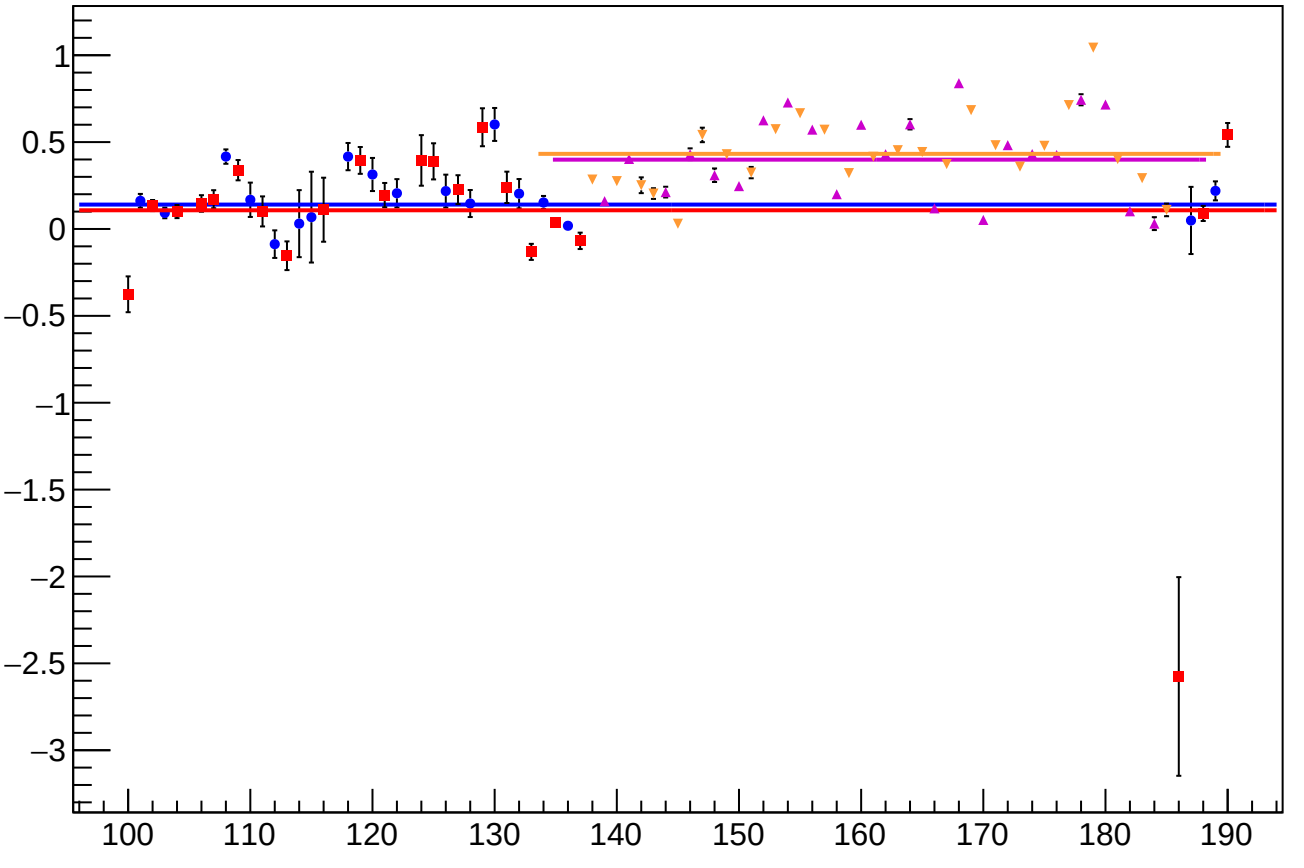
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -30.092+/-0.168 χ^2/NDF: 15463.8/39

In: -37.203+/-0.111 χ^2/NDF:9486.4/40

Out: -37.253+/-0.106 χ^2/NDF:10523.7/46

All: -37.229+/-0.077 χ^2/NDF: 20010.2/87



Right In: 0.140+/-0.012 χ^2/NDF: 131.7/17

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.108+/-0.012 χ^2/NDF: 210.7/21

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

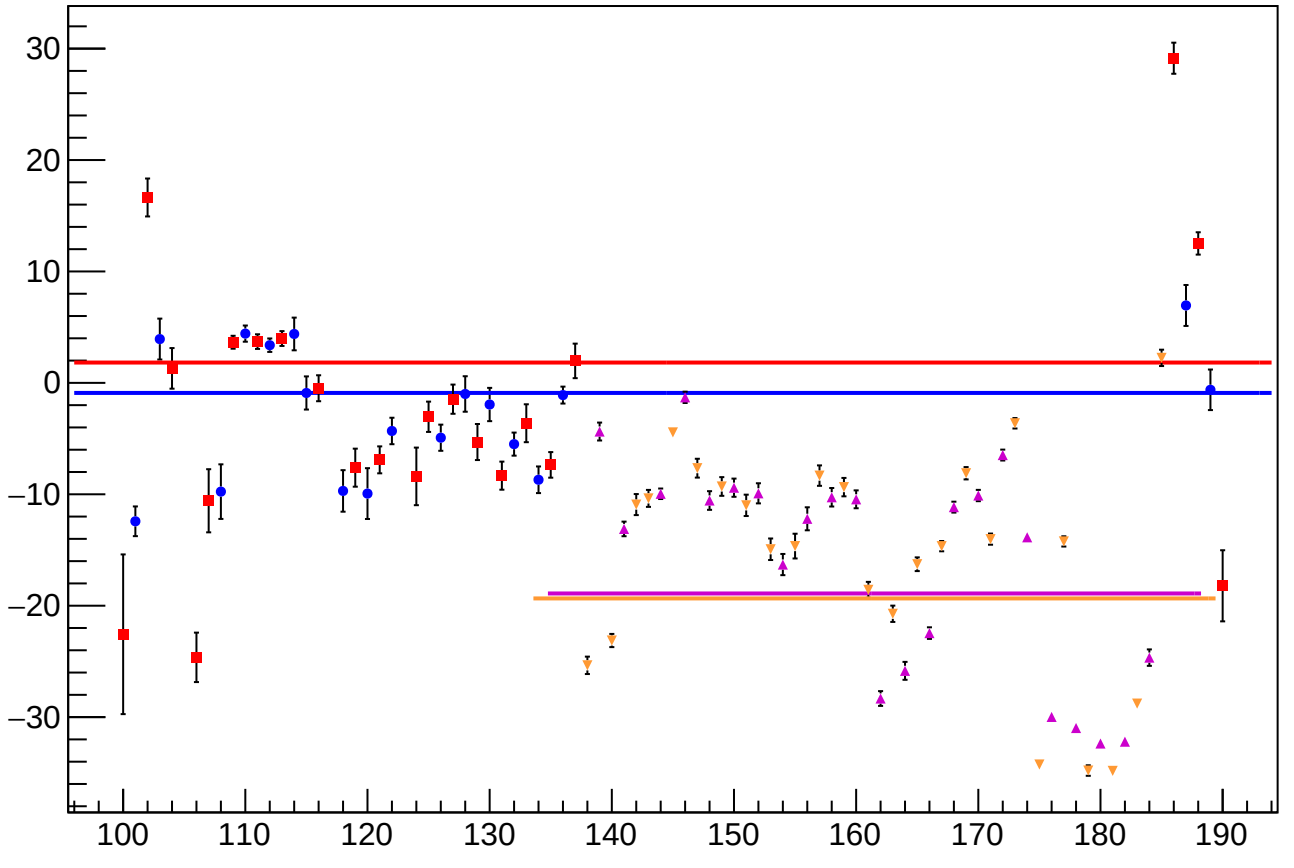
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.123+/-0.008 χ^2/NDF: 346.2/39

In: 0.357+/-0.005 χ^2/NDF:2434.2/40

Out: 0.377+/-0.005 χ^2/NDF:2218.6/46

All: 0.367+/-0.003 χ^2/NDF: 4661.2/87



Right In: -0.903+/-0.274 χ^2/NDF: 350.7/17

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.824+/-0.252 χ^2/NDF: 1093.5/21

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

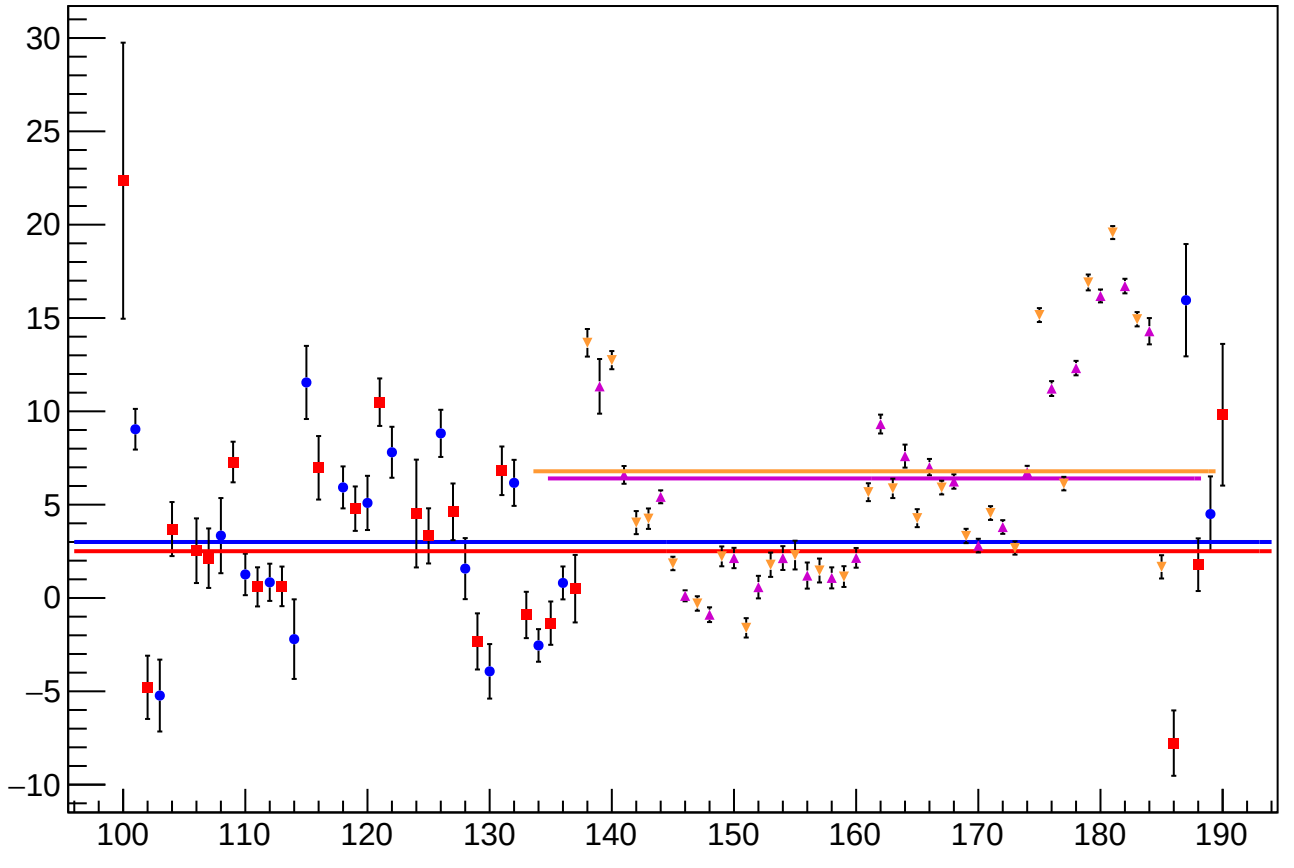
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

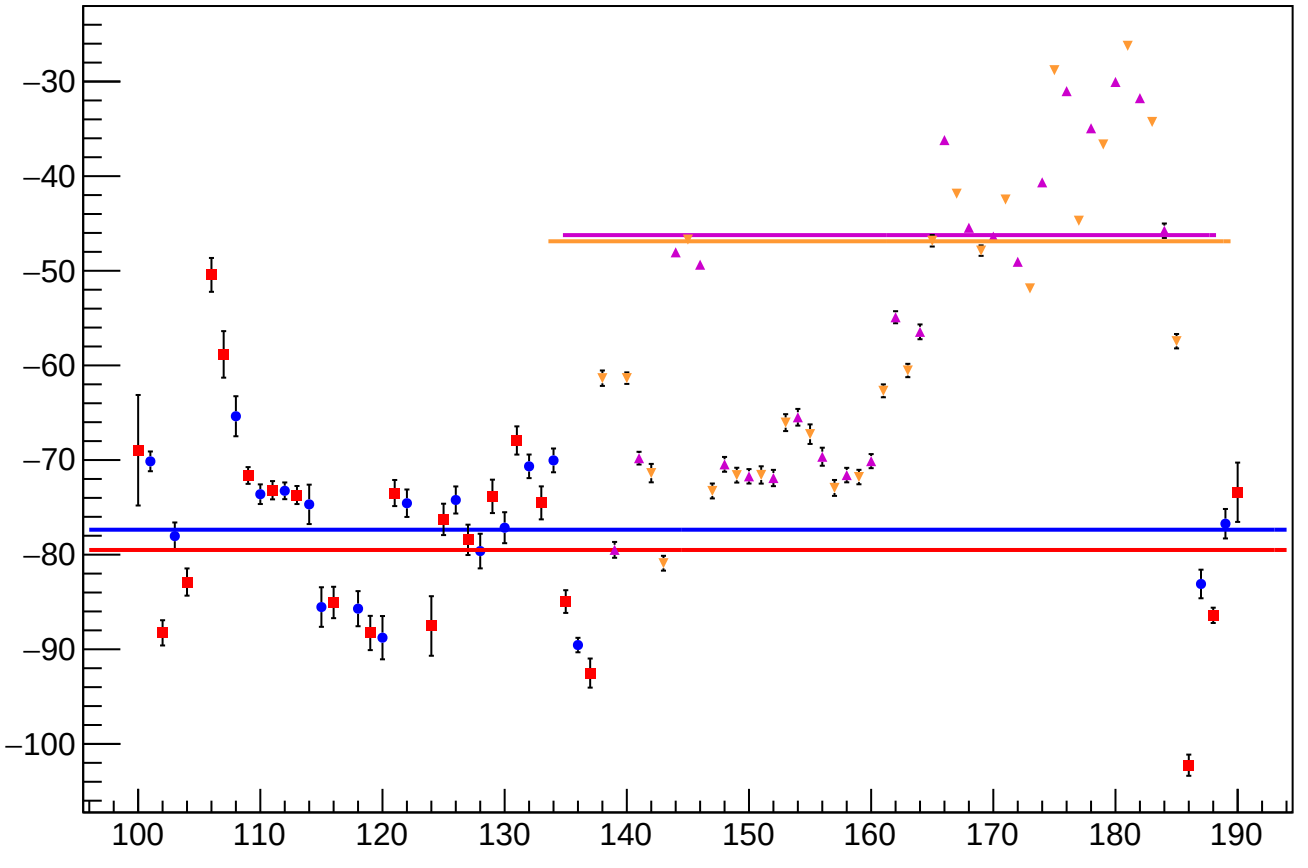
Right: 0.574+/-0.186 χ^2/NDF: 1497.8/39

In: -16.164+/-0.107 χ^2/NDF:12290.5/40

Out: -15.789+/-0.103 χ^2/NDF:17350.1/46

All: -15.970+/-0.074 χ^2/NDF: 29646.9/87


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
190
Right In: 3.000+/-0.308 χ²/NDF: 219.0/17
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.506+/-0.308 χ²/NDF: 184.5/21
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 2.753+/-0.218 χ²/NDF: 404.7/39
In: 6.130+/-0.087 χ²/NDF:3741.7/40
Out: 6.451+/-0.086 χ²/NDF:4994.7/46
All: 6.292+/-0.062 χ²/NDF: 8743.2/87



Right In: -77.363+/-0.312 χ^2/NDF: 518.4/17

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -79.504+/-0.292 χ^2/NDF: 1270.1/21

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

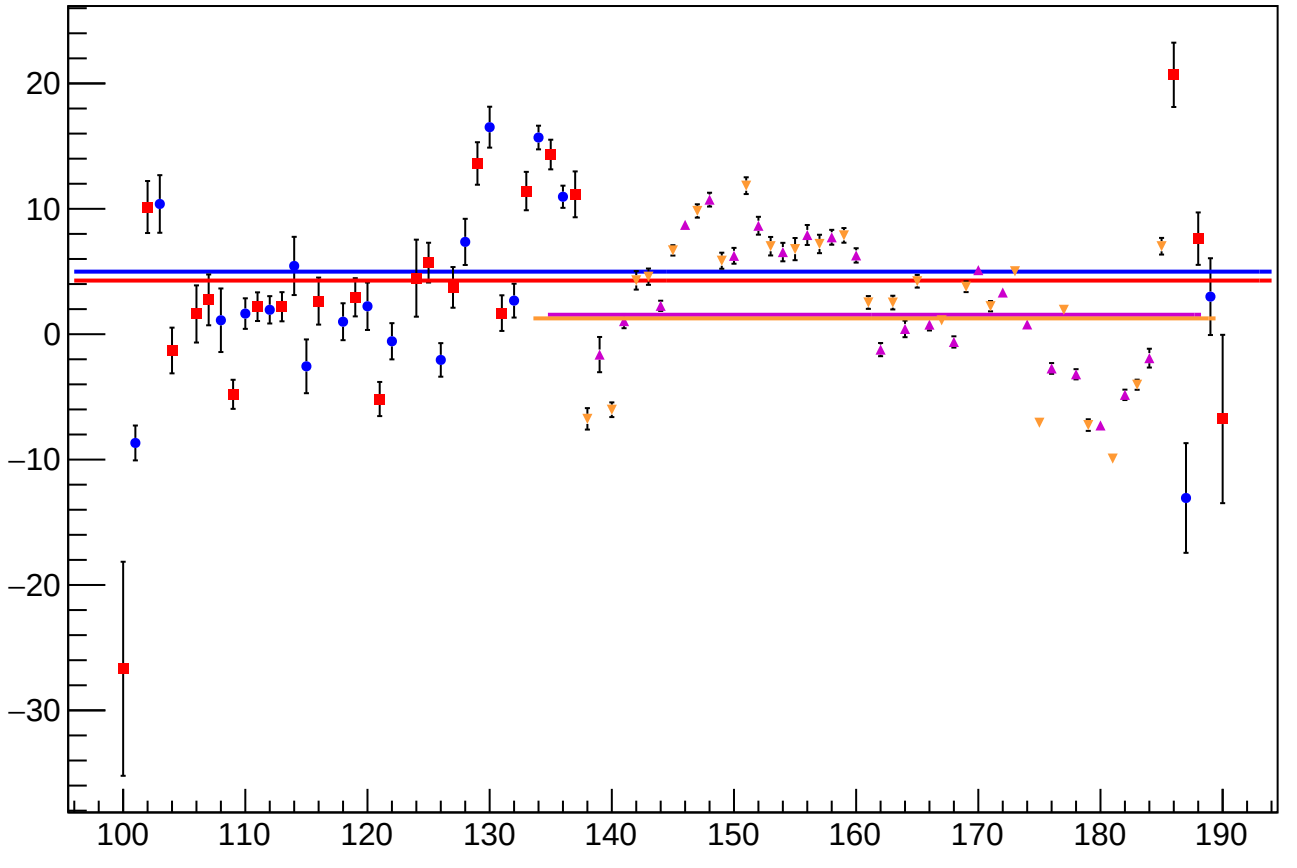
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -78.505+/-0.213 χ^2/NDF: 1813.5/39

In: -50.018+/-0.109 χ^2/NDF:24408.2/40

Out: -51.180+/-0.106 χ^2/NDF:30051.6/46

All: -50.614+/-0.076 χ^2/NDF: 54518.3/87



Right In: 4.991+/-0.346 χ^2/NDF: 430.0/17

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.278+/-0.352 χ^2/NDF: 338.8/21

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

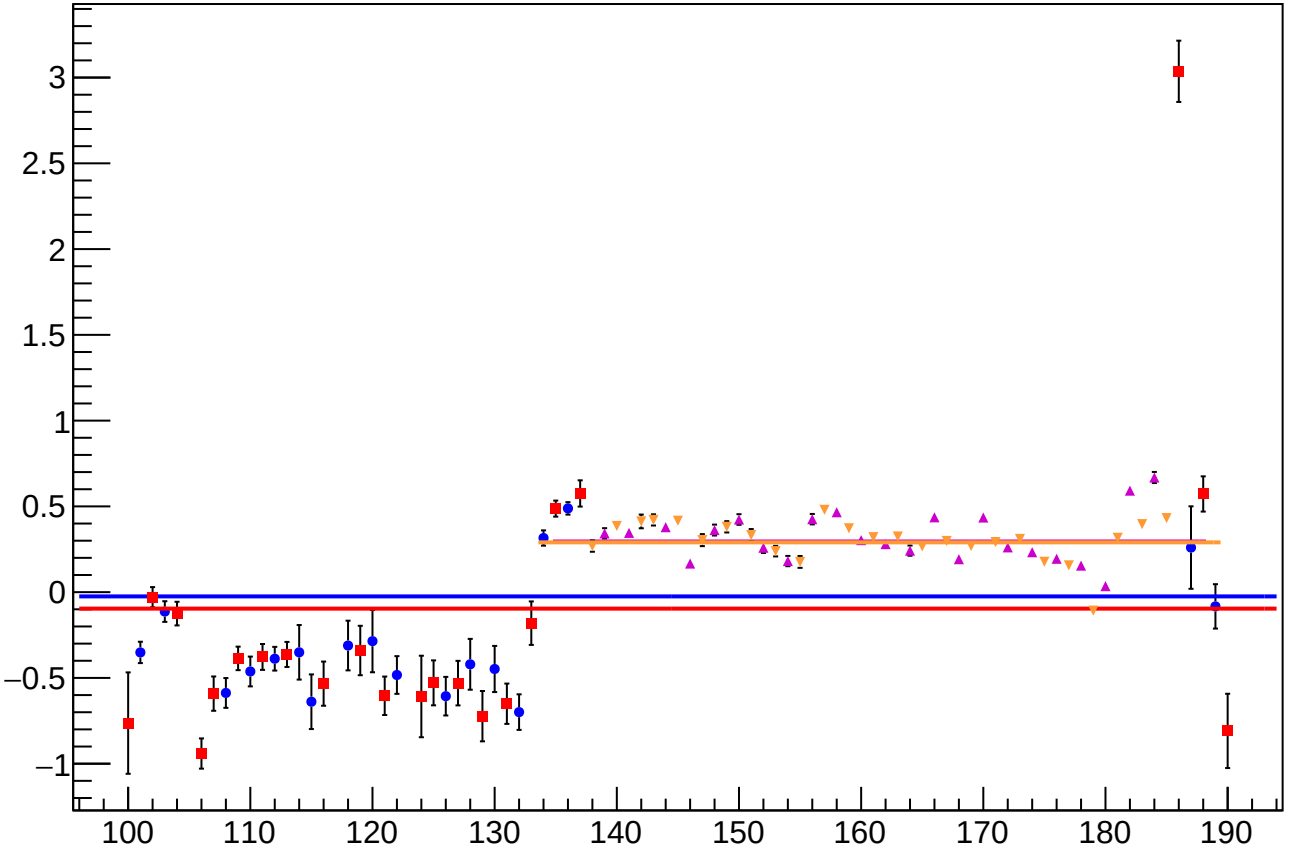
Right: 4.641+/-0.247 χ^2/NDF: 770.9/39

In: 1.826+/-0.098 χ^2/NDF:2856.4/40

Out: 1.488+/-0.097 χ^2/NDF:3852.3/46

All: 1.655+/-0.069 χ^2/NDF: 6714.7/87

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.019 χ^2/NDF: 514.1/17

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.096+/-0.020 χ^2/NDF: 864.2/21

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

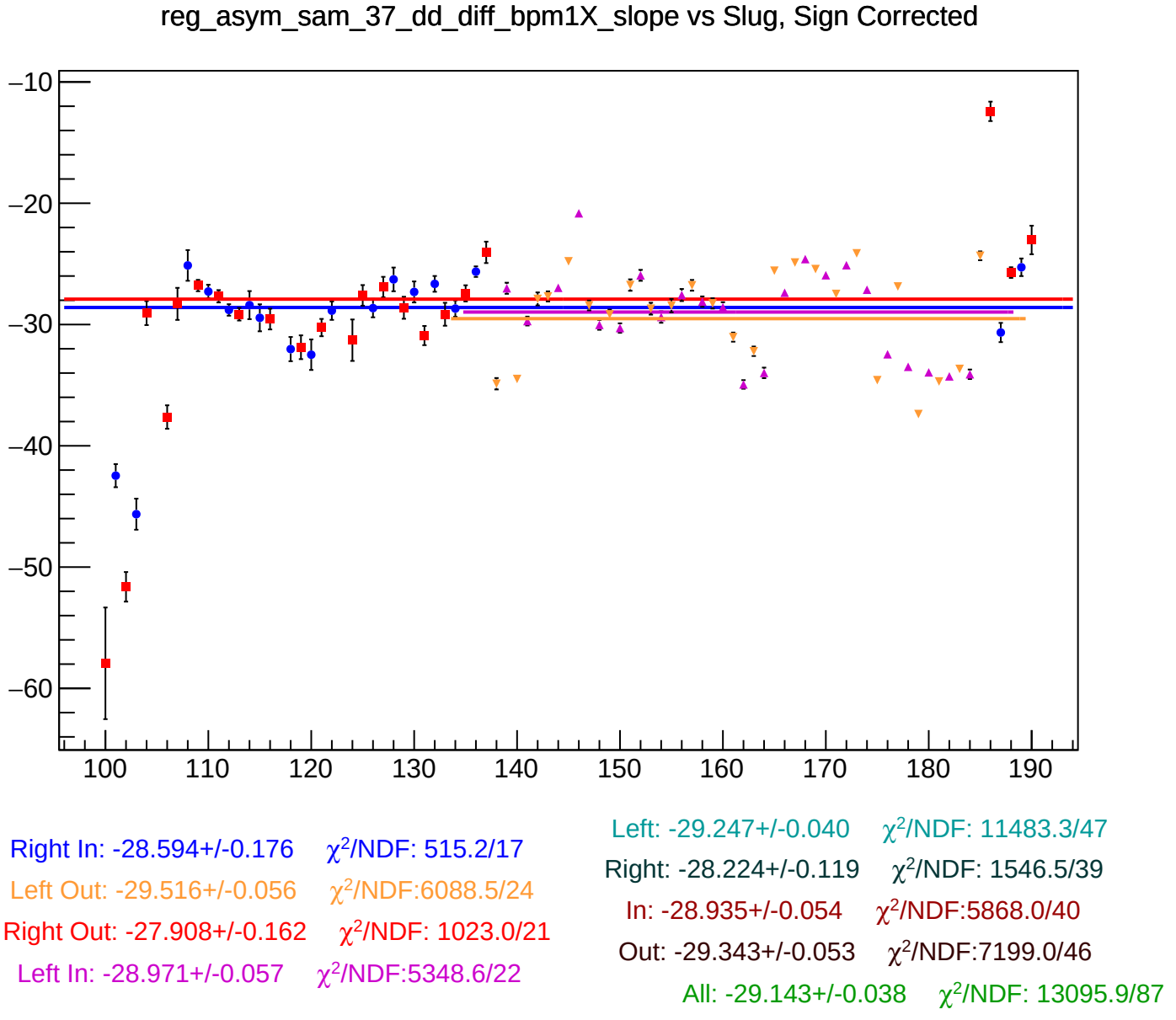
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

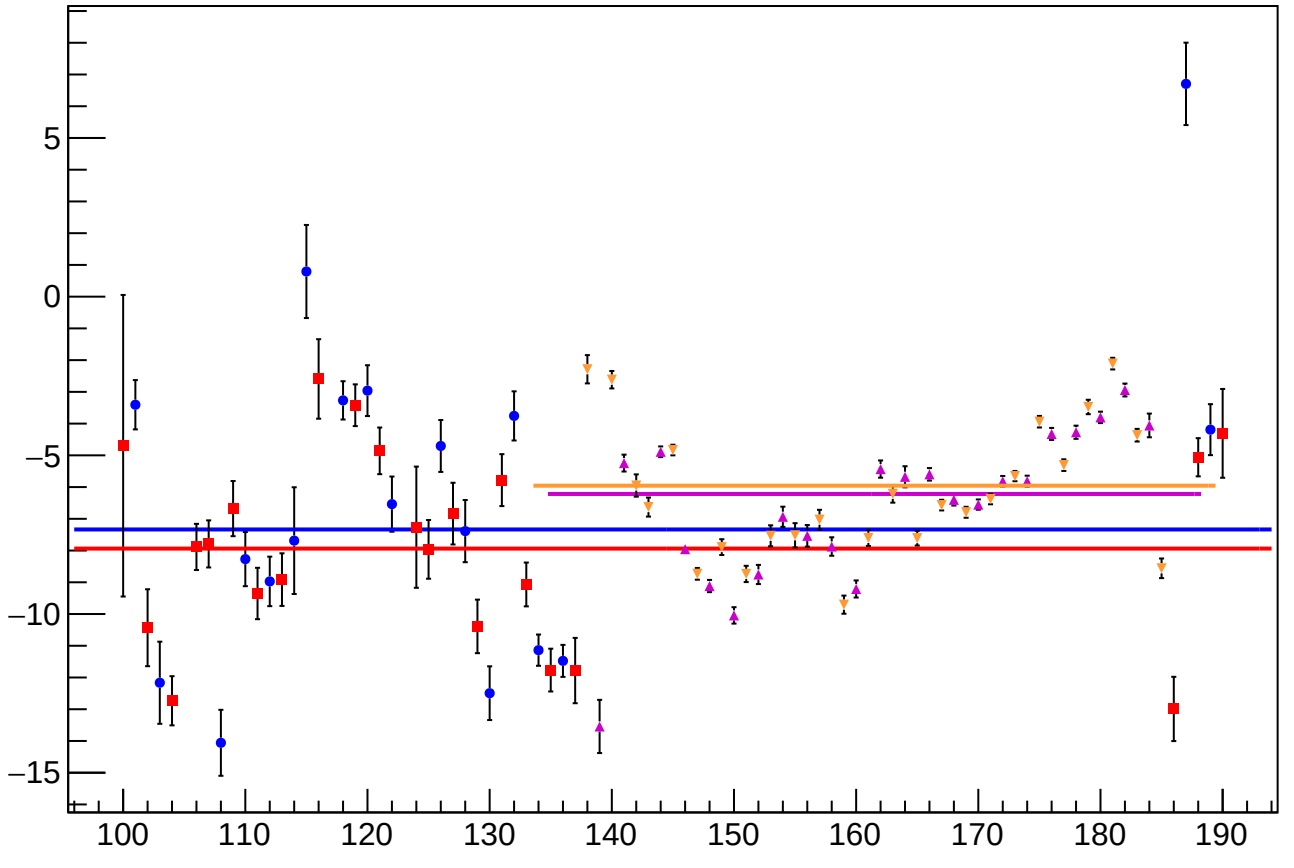
Right: -0.059+/-0.014 χ^2/NDF: 1385.2/39

In: 0.277+/-0.004 χ^2/NDF:1826.3/40

Out: 0.271+/-0.004 χ^2/NDF:1951.7/46

All: 0.274+/-0.003 χ^2/NDF: 3779.0/87


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
180
190
Right In: -28.594+/-0.176 χ²/NDF: 515.2/17
Left Out: -29.516+/-0.056 χ²/NDF:6088.5/24
Right Out: -27.908+/-0.162 χ²/NDF: 1023.0/21
Left In: -28.971+/-0.057 χ²/NDF:5348.6/22
Left: -29.247+/-0.040 χ²/NDF: 11483.3/47
Right: -28.224+/-0.119 χ²/NDF: 1546.5/39
In: -28.935+/-0.054 χ²/NDF:5868.0/40
Out: -29.343+/-0.053 χ²/NDF:7199.0/46
All: -29.143+/-0.038 χ²/NDF: 13095.9/87



Right In: -7.335+/-0.187 χ^2/NDF: 522.1/17

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.938+/-0.182 χ^2/NDF: 252.8/21

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

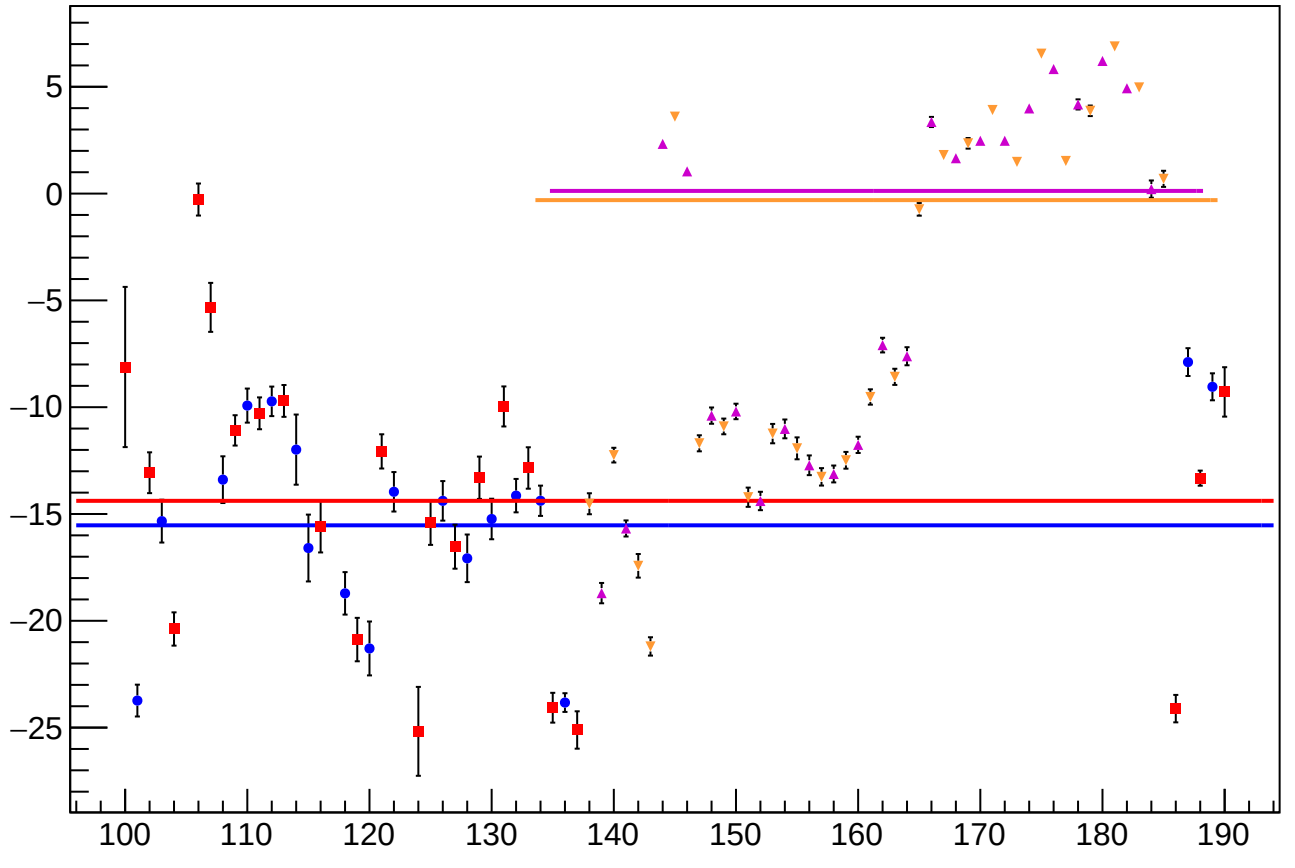
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.645+/-0.131 χ^2/NDF: 780.2/39

In: -6.276+/-0.043 χ^2/NDF:2297.6/40

Out: -6.067+/-0.043 χ^2/NDF:2222.2/46

All: -6.172+/-0.030 χ^2/NDF: 4531.5/87



Right In: -15.531+/-0.190 χ^2/NDF: 895.7/17

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.384+/-0.171 χ^2/NDF: 1280.9/21

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

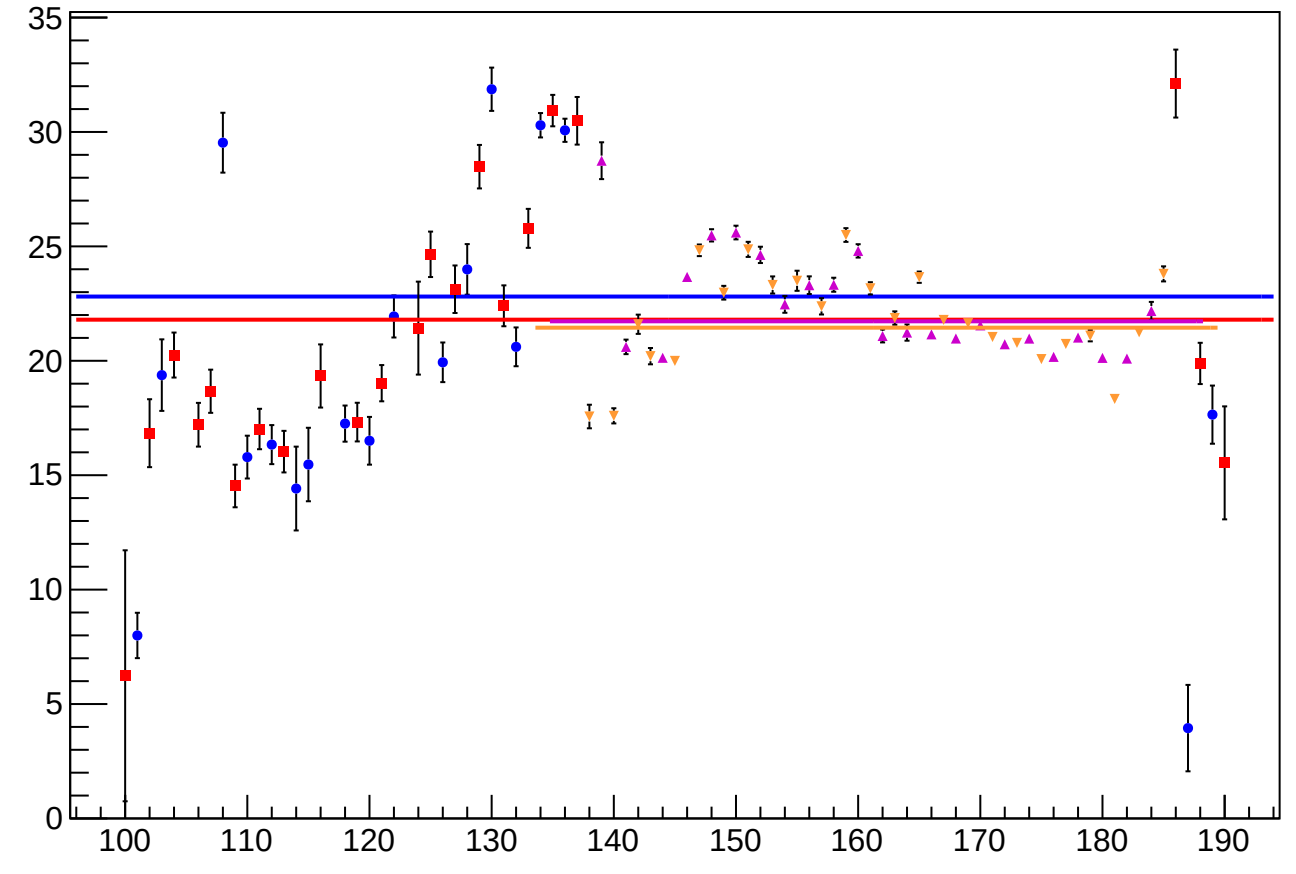
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -14.898+/-0.127 χ^2/NDF: 2196.6/39

In: -1.167+/-0.055 χ^2/NDF:20958.1/40

Out: -1.688+/-0.054 χ^2/NDF:24544.6/46

All: -1.432+/-0.038 χ^2/NDF: 45549.0/87



Right In: 22.808+/-0.214 χ^2/NDF: 1127.9/17

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.797+/-0.215 χ^2/NDF: 617.5/21

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

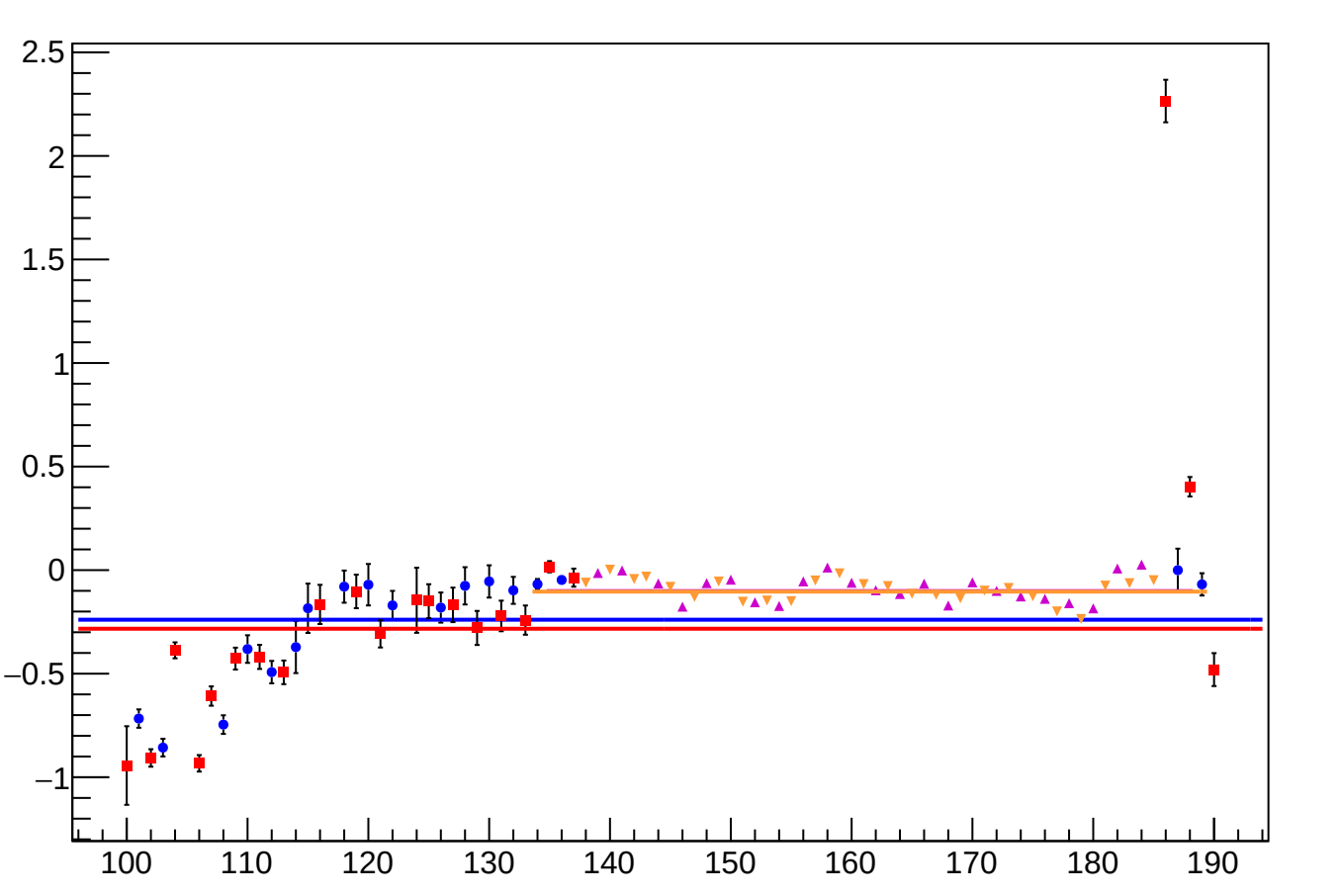
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.304+/-0.151 χ^2/NDF: 1756.5/39

In: 21.781+/-0.048 χ^2/NDF:2326.0/40

Out: 21.465+/-0.048 χ^2/NDF:1945.3/46

All: 21.622+/-0.034 χ^2/NDF: 4292.6/87



Right In: -0.239+/-0.011 χ^2/NDF: 649.8/17

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.283+/-0.012 χ^2/NDF: 1580.3/21

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

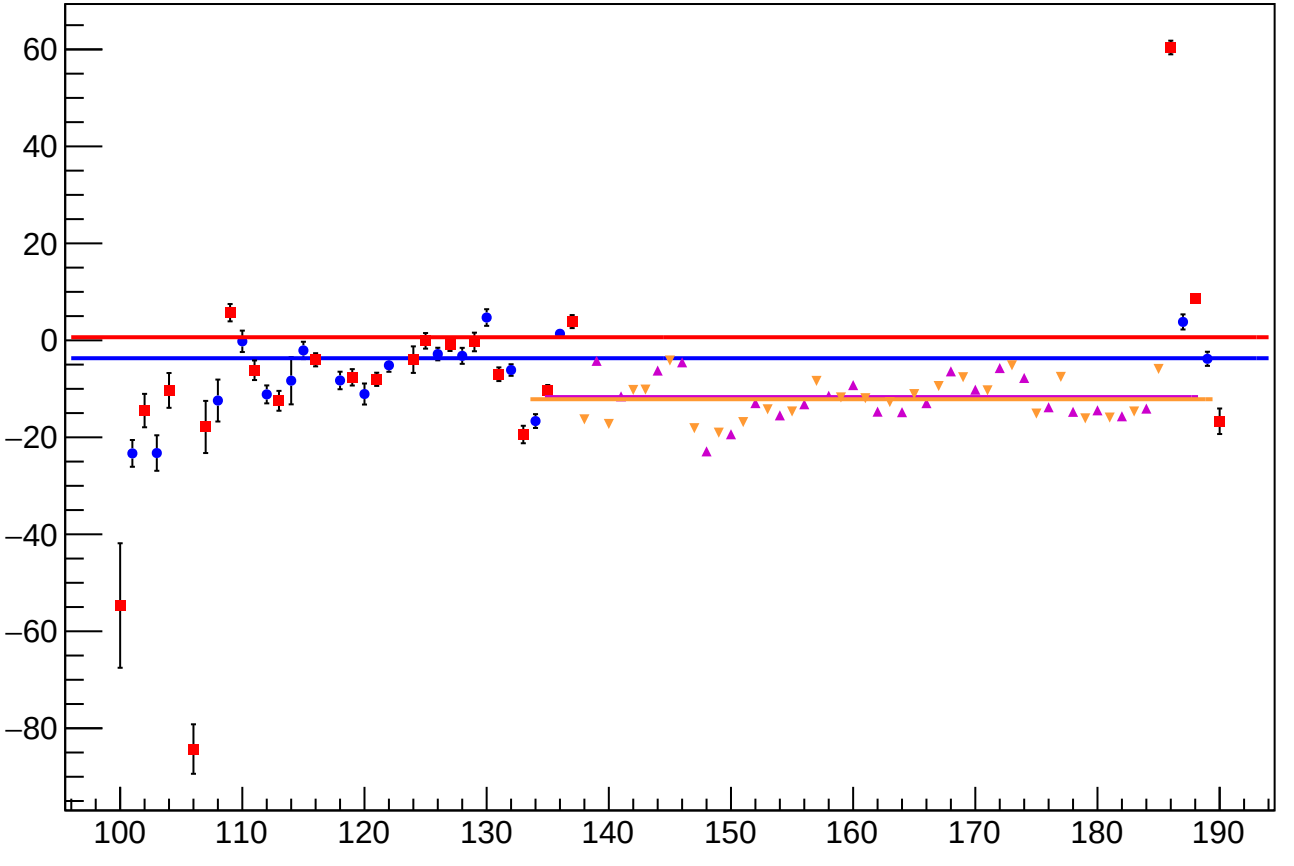
Right: -0.260+/-0.008 χ^2/NDF: 2237.2/39

In: -0.106+/-0.002 χ^2/NDF:1550.5/40

Out: -0.110+/-0.002 χ^2/NDF:2353.2/46

All: -0.108+/-0.002 χ^2/NDF: 3904.9/87

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.684+/-0.359 χ^2/NDF: 312.3/17

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: 0.644+/-0.350 χ^2/NDF: 2678.6/21

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

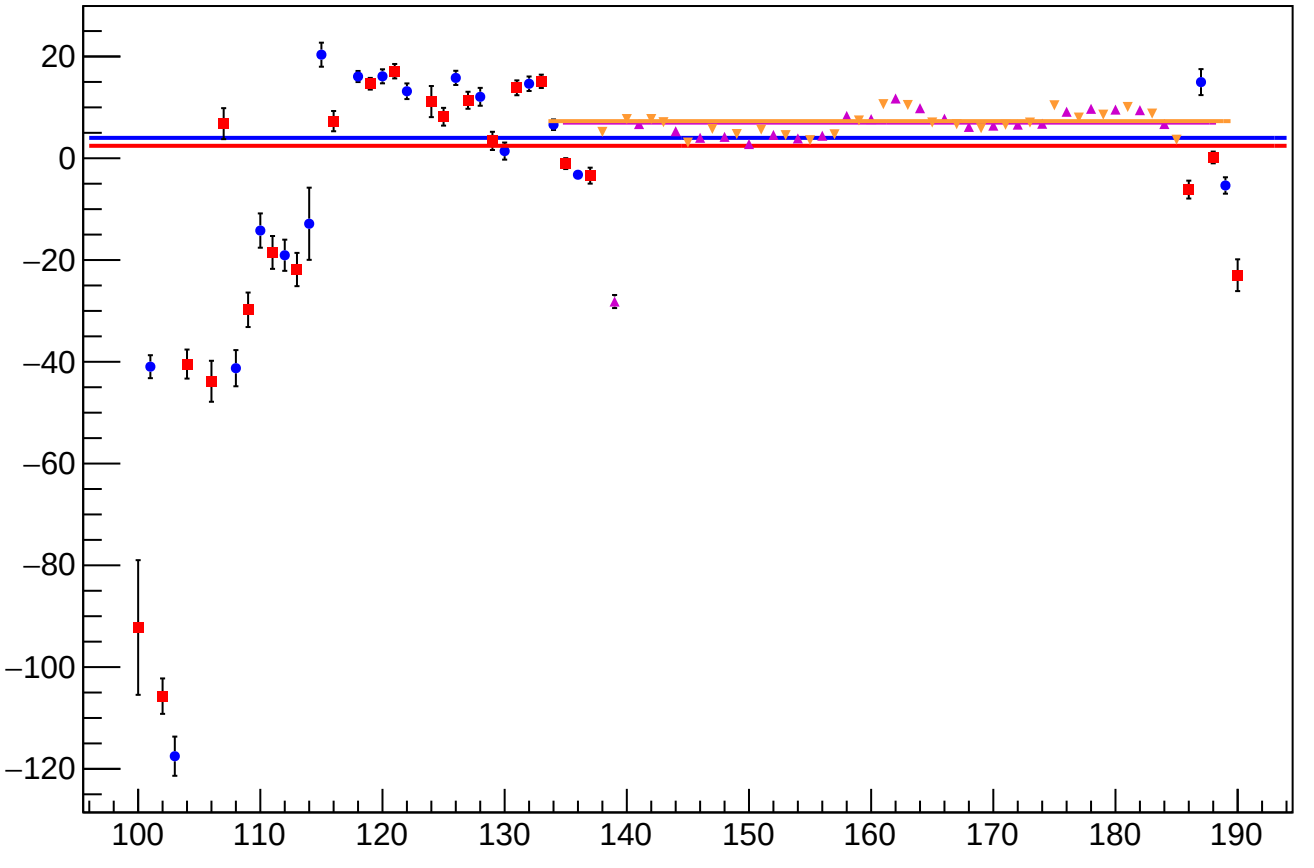
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -1.465+/-0.251 χ^2/NDF: 3065.2/39

In: -11.182+/-0.091 χ^2/NDF:2728.7/40

Out: -11.326+/-0.089 χ^2/NDF:6056.3/46

All: -11.256+/-0.064 χ^2/NDF: 8786.4/87



Right In: 4.008+/-0.371 χ^2/NDF: 2221.7/17

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 2.447+/-0.384 χ^2/NDF: 2110.4/21

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

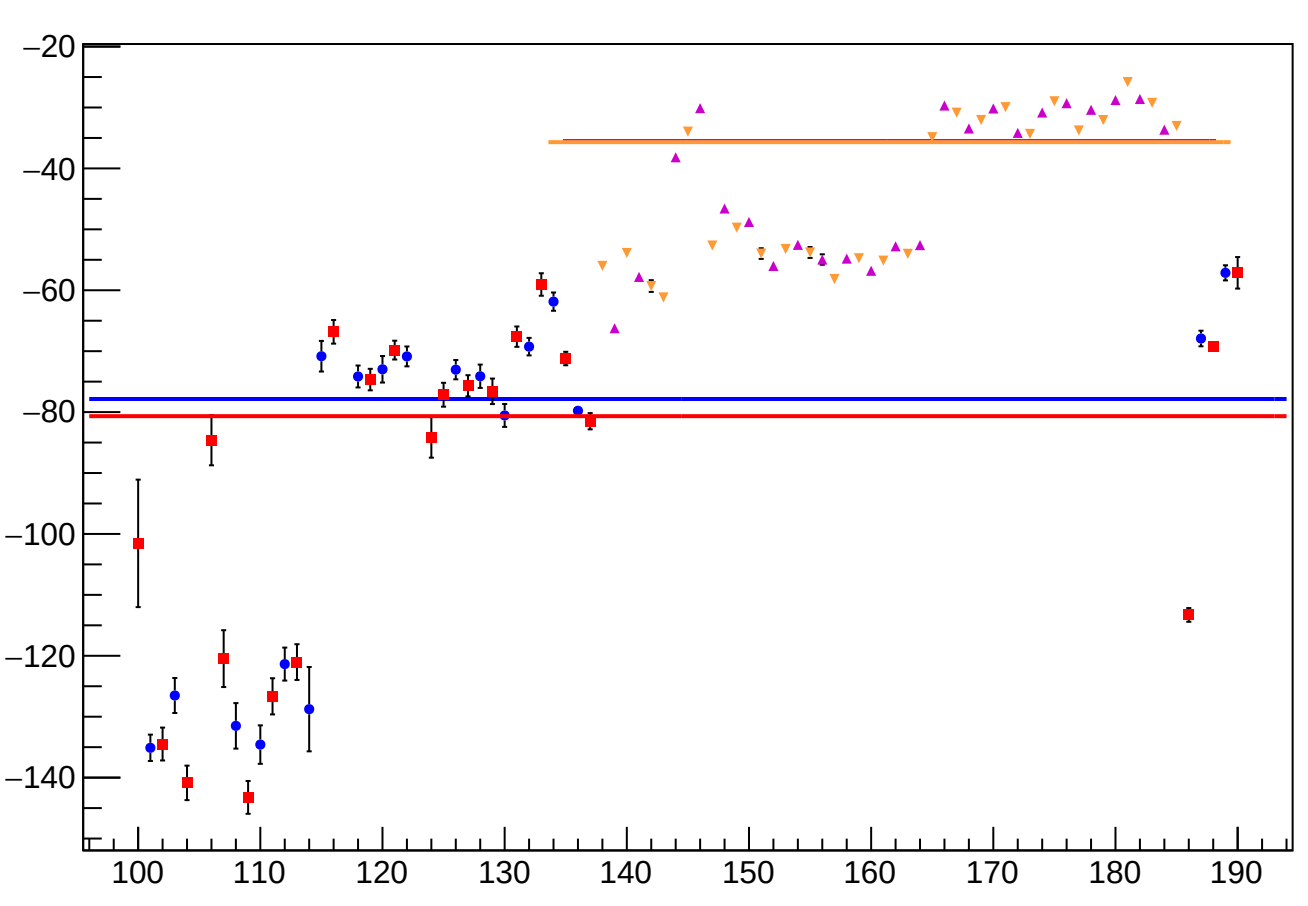
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 3.256+/-0.267 χ^2/NDF: 4340.7/39

In: 6.883+/-0.074 χ^2/NDF:3860.5/40

Out: 7.119+/-0.074 χ^2/NDF:3086.9/46

All: 7.003+/-0.052 χ^2/NDF: 6952.4/87



Right In: -77.849+/-0.378 χ^2/NDF: 2375.0/17

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -80.668+/-0.355 χ^2/NDF: 3521.7/21

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

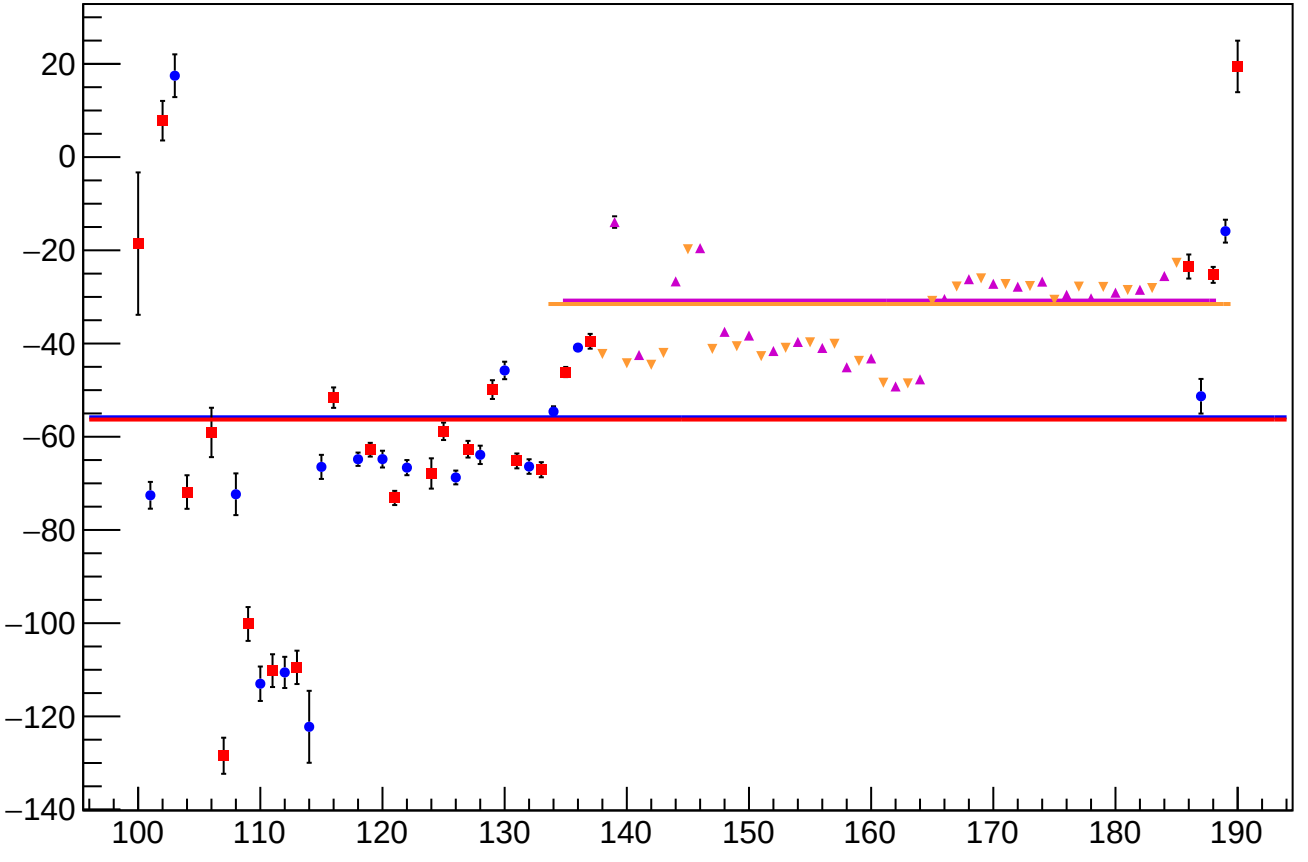
Right: -79.344+/-0.259 χ^2/NDF: 5926.2/39

In: -37.997+/-0.092 χ^2/NDF:25372.2/40

Out: -38.529+/-0.089 χ^2/NDF:31311.3/46

All: -38.270+/-0.064 χ^2/NDF: 56700.7/87

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -55.827+/-0.417 χ^2/NDF: 1801.9/17

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -56.311+/-0.445 χ^2/NDF: 2337.8/21

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

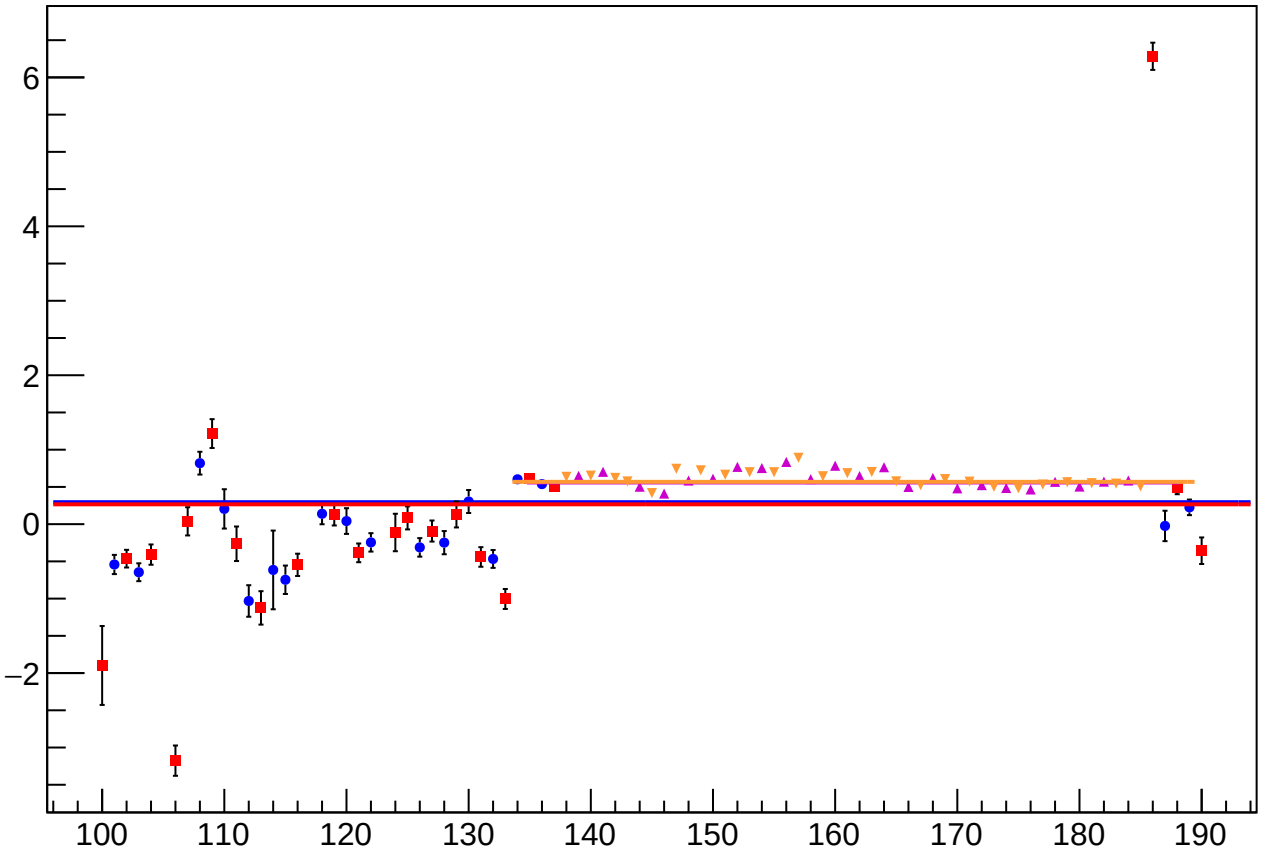
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -56.053+/-0.304 χ^2/NDF: 4140.4/39

In: -31.773+/-0.083 χ^2/NDF:12817.5/40

Out: -32.349+/-0.081 χ^2/NDF:13795.7/46

All: -32.066+/-0.058 χ^2/NDF: 26637.9/87



Right In: 0.295+/-0.022 χ^2/NDF: 377.8/17

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.266+/-0.025 χ^2/NDF: 1800.0/21

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

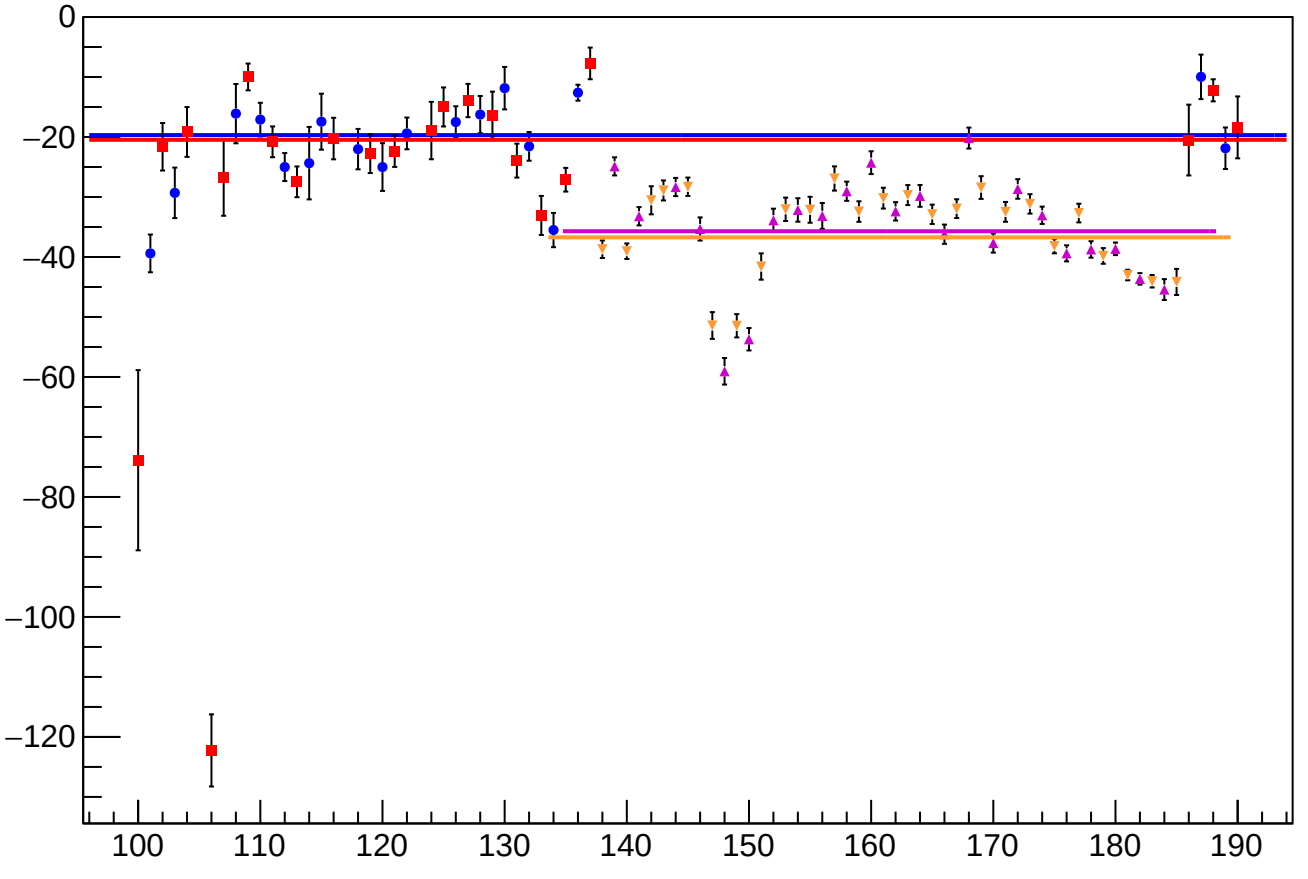
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.282+/-0.017 χ^2/NDF: 2178.5/39

In: 0.553+/-0.004 χ^2/NDF:1186.9/40

Out: 0.562+/-0.004 χ^2/NDF:2499.3/46

All: 0.557+/-0.003 χ^2/NDF: 3689.3/87



Right In: -19.683+/-0.670 χ^2/NDF: 128.0/17

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -20.466+/-0.656 χ^2/NDF: 411.8/21

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

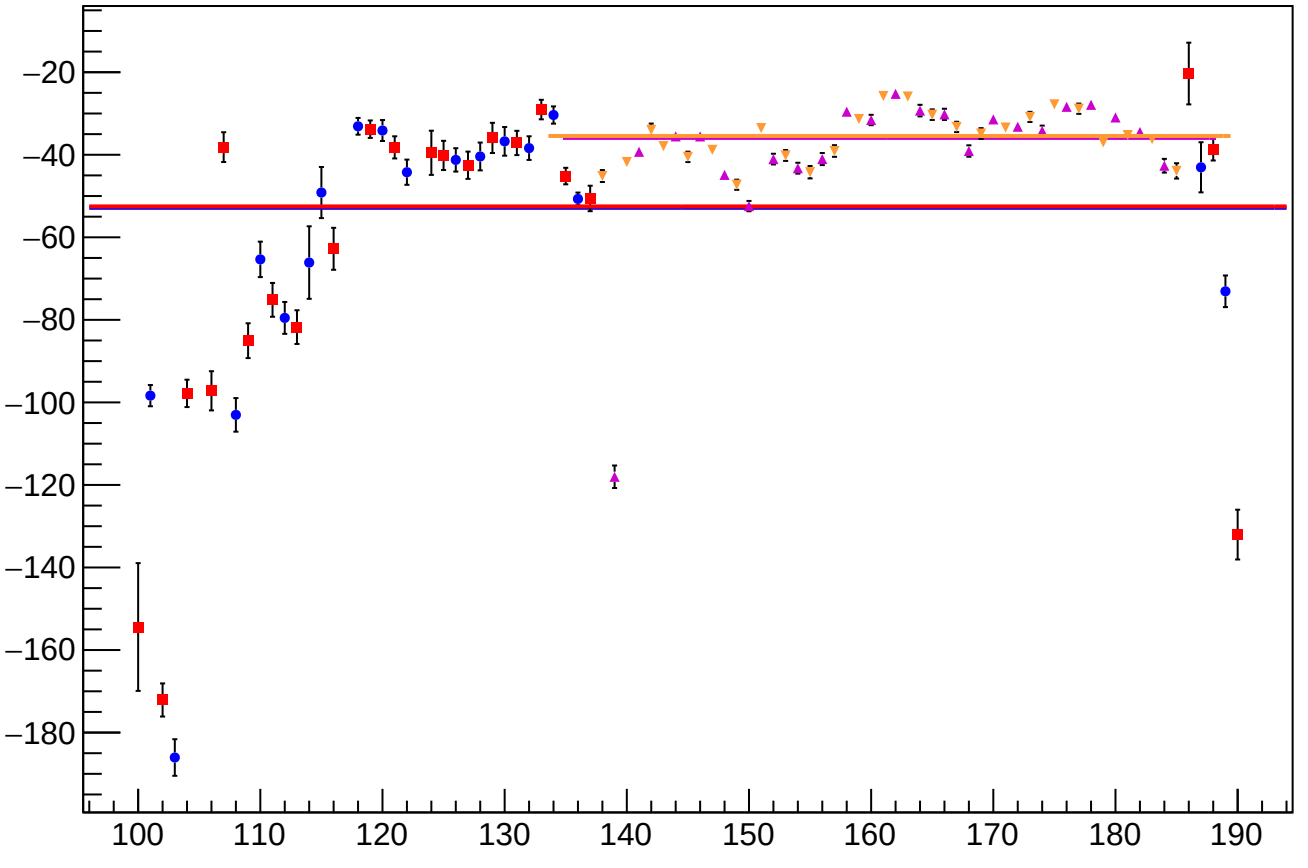
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -20.083+/-0.469 χ^2/NDF: 540.5/39

In: -32.682+/-0.291 χ^2/NDF:1170.6/40

Out: -33.752+/-0.280 χ^2/NDF:1334.8/46

All: -33.237+/-0.202 χ^2/NDF: 2512.5/87



Right In: -52.854+/-0.692 χ^2/NDF: 1809.3/17

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -52.517+/-0.711 χ^2/NDF: 1882.5/21

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

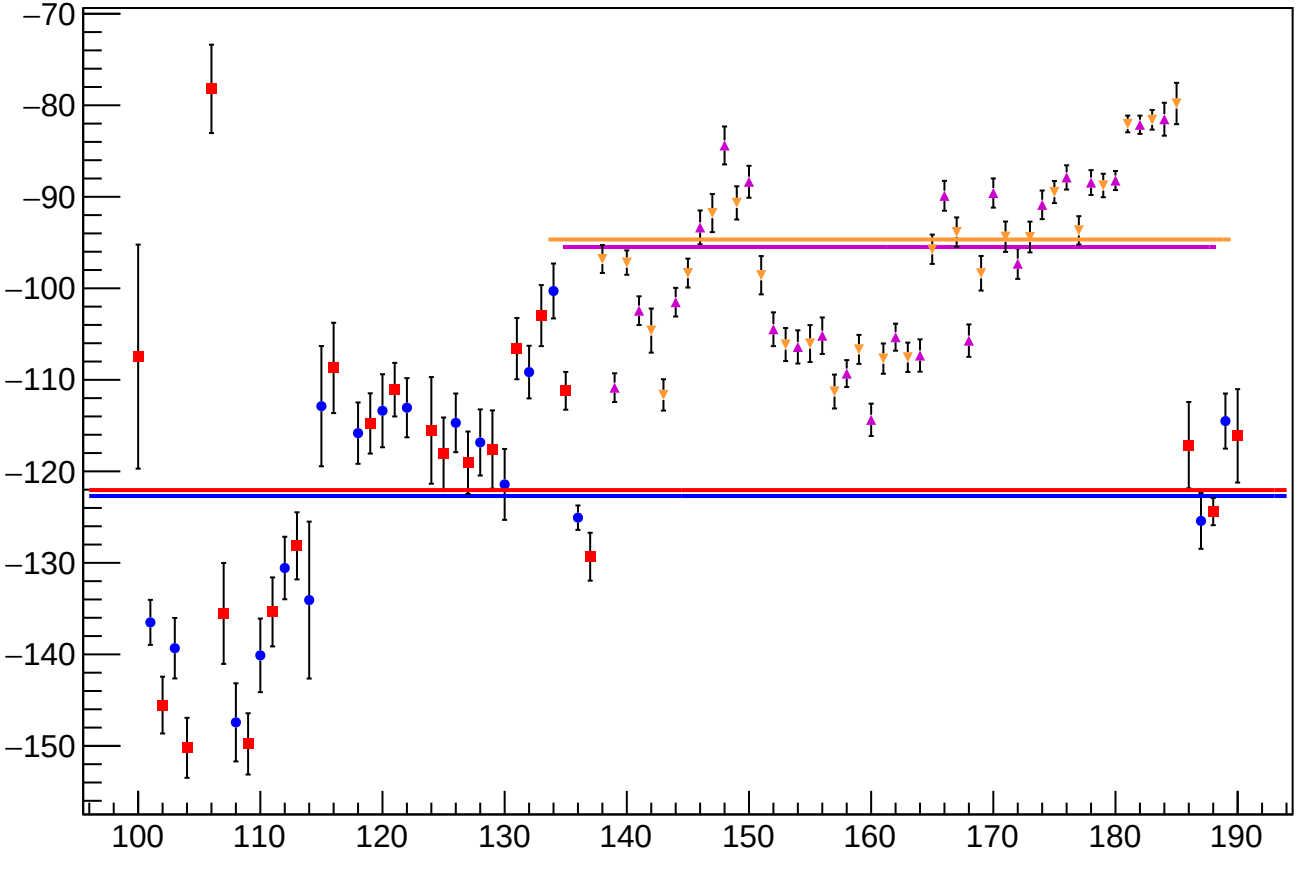
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -52.690+/-0.496 χ^2/NDF: 3691.9/39

In: -37.955+/-0.240 χ^2/NDF:3879.8/40

Out: -37.252+/-0.232 χ^2/NDF:2935.6/46

All: -37.591+/-0.167 χ^2/NDF: 6819.9/87



Right In: -122.696+/-0.708 χ^2/NDF: 235.2/17

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -122.045+/-0.691 χ^2/NDF: 429.7/21

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

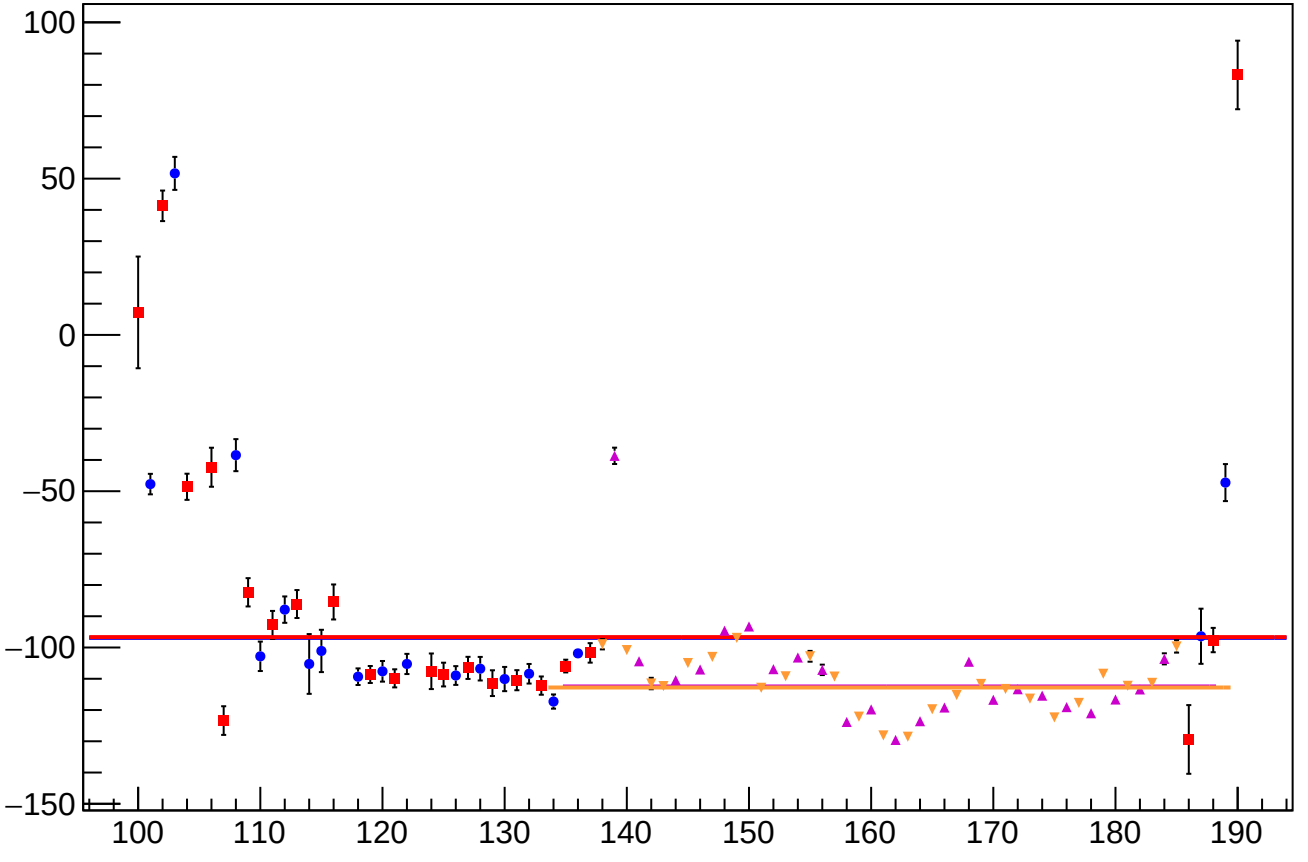
Right: -122.363+/-0.494 χ^2/NDF: 665.4/39

In: -100.134+/-0.292 χ^2/NDF:2430.3/40

Out: -99.249+/-0.283 χ^2/NDF:2638.1/46

All: -99.676+/-0.203 χ^2/NDF: 5073.1/87

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -96.919+/-0.783 χ^2/NDF: 1402.4/17

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -96.679+/-0.819 χ^2/NDF: 1515.2/21

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

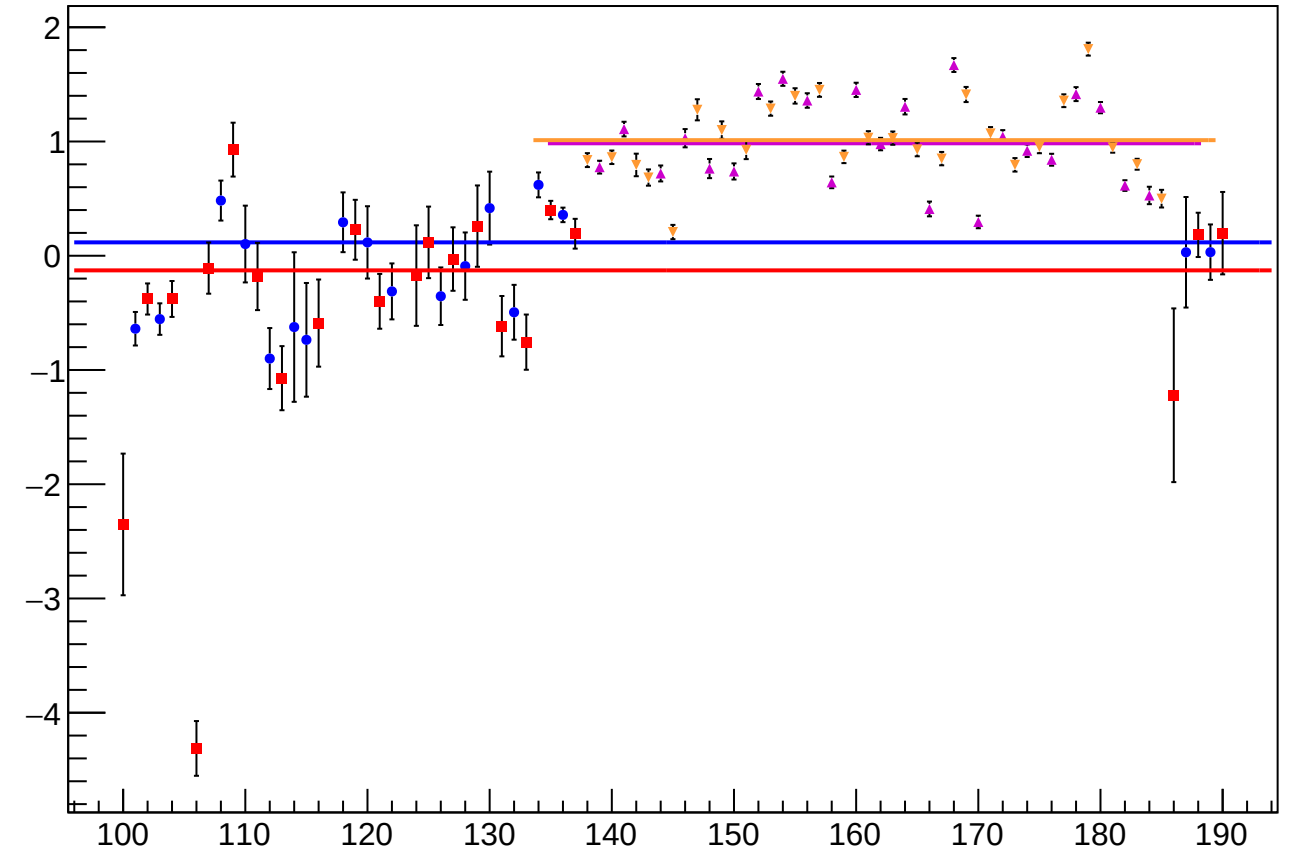
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -96.805+/-0.566 χ^2/NDF: 2917.7/39

In: -110.648+/-0.268 χ^2/NDF:3539.3/40

Out: -111.171+/-0.260 χ^2/NDF:2799.8/46

All: -110.917+/-0.186 χ^2/NDF: 6341.0/87



Right In: 0.117+/-0.040 χ^2/NDF: 124.1/17

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.128+/-0.043 χ^2/NDF: 426.6/21

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

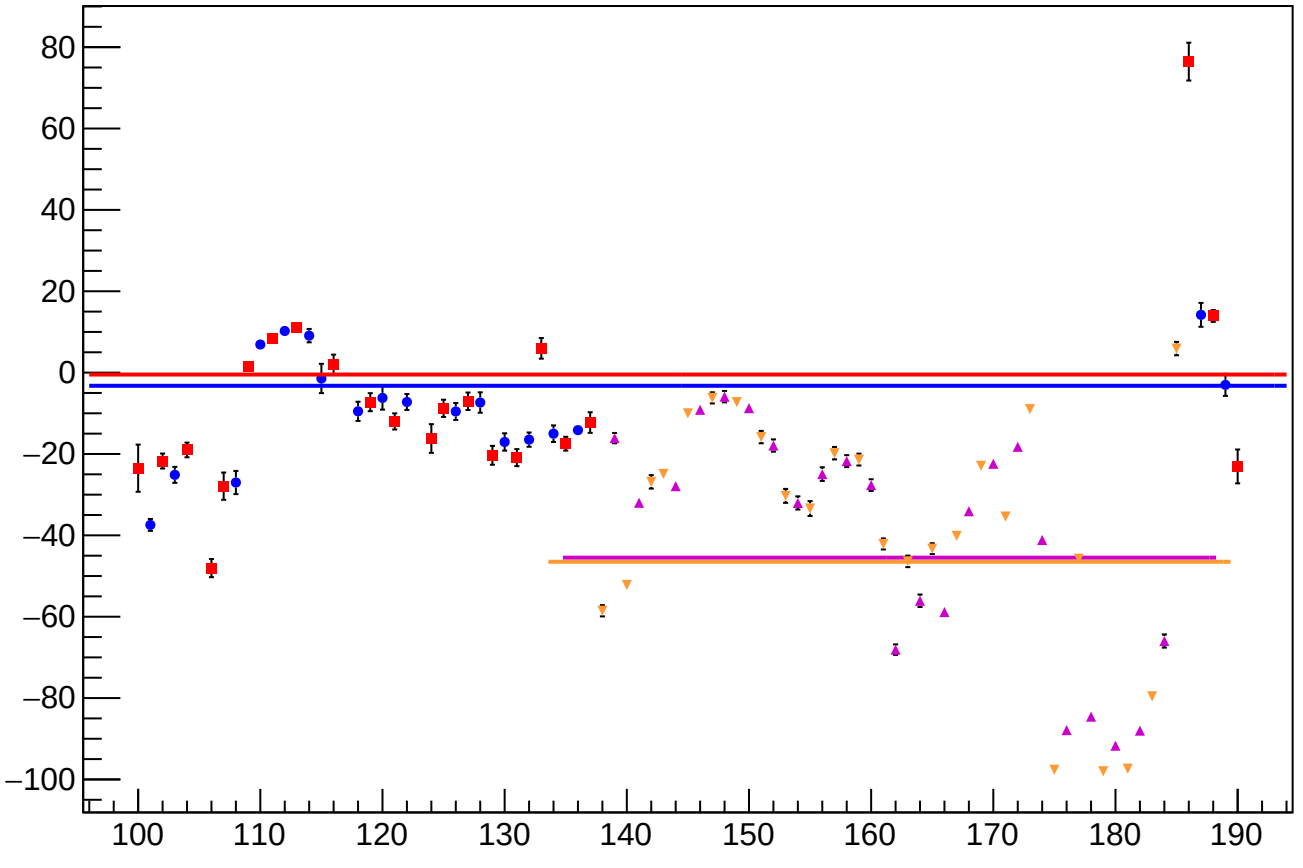
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.003+/-0.030 χ^2/NDF: 567.7/39

In: 0.908+/-0.012 χ^2/NDF:1442.5/40

Out: 0.927+/-0.012 χ^2/NDF:1758.3/46

All: 0.918+/-0.008 χ^2/NDF: 3202.0/87



Right In: -3.236+/-0.370 χ^2/NDF: 1565.0/17

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -0.470+/-0.328 χ^2/NDF: 1935.6/21

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

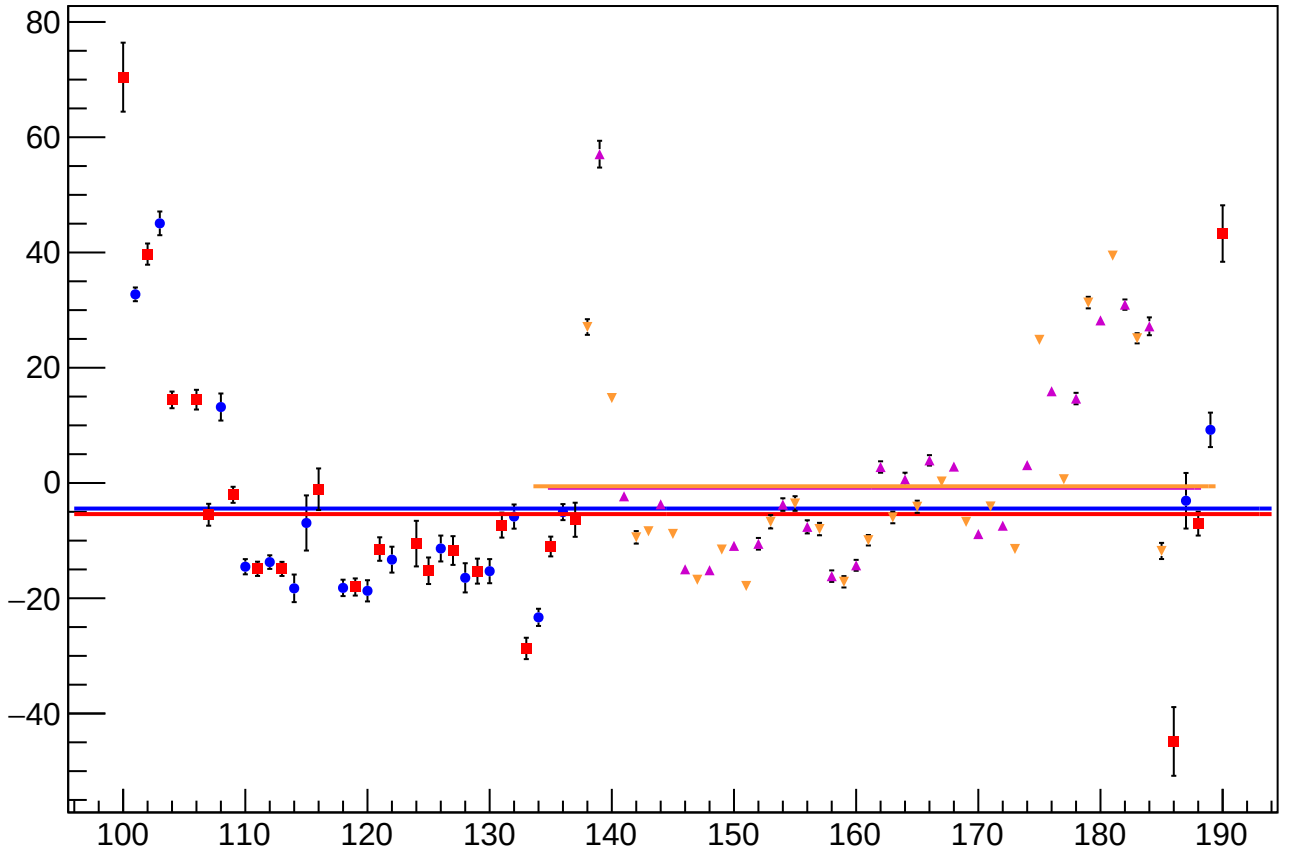
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -1.686+/-0.245 χ^2/NDF: 3531.9/39

In: -33.154+/-0.200 χ^2/NDF:26359.4/40

Out: -31.298+/-0.188 χ^2/NDF:35192.0/46

All: -32.170+/-0.137 χ^2/NDF: 61597.0/87



Right In: -4.435+/-0.425 χ^2/NDF: 2169.4/17

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.397+/-0.411 χ^2/NDF: 1651.7/21

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

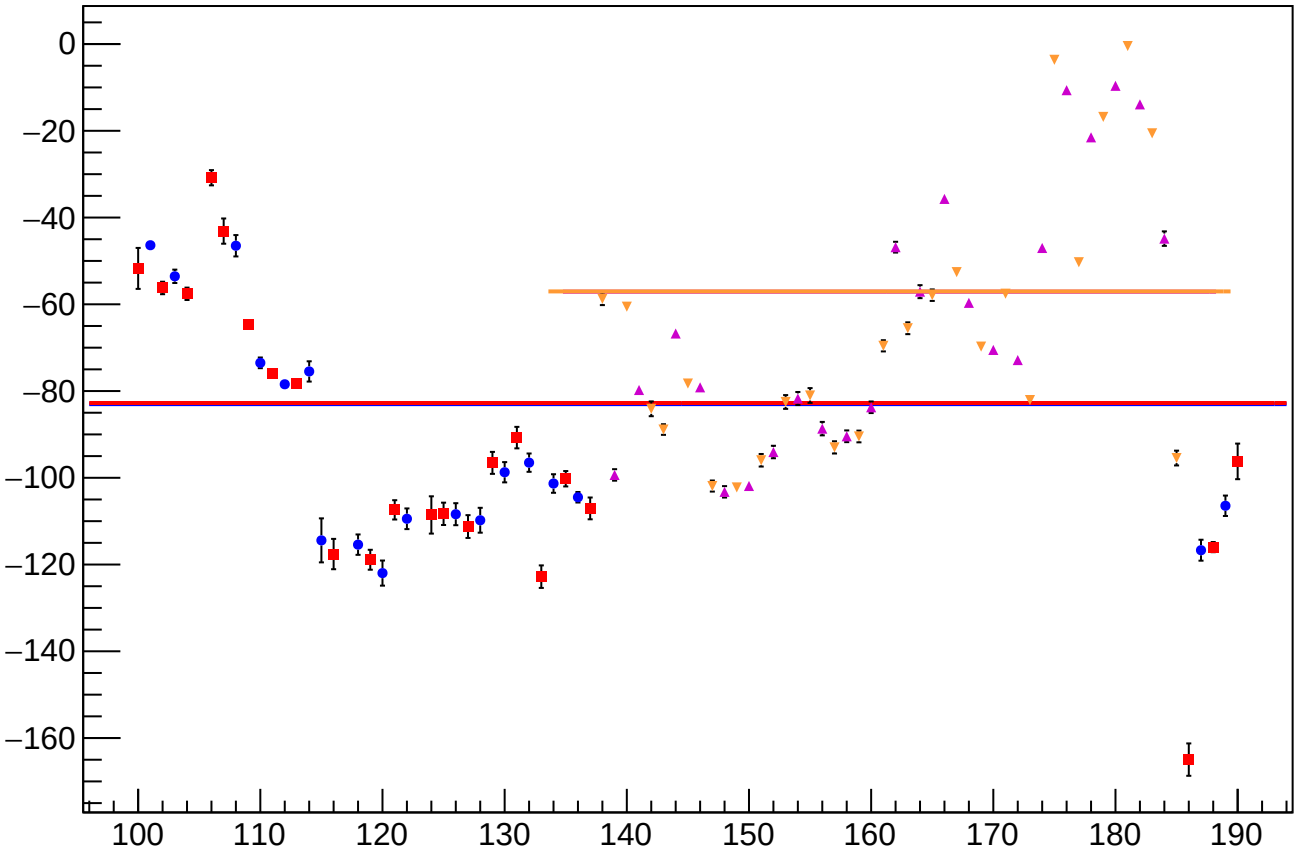
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -4.932+/-0.295 χ^2/NDF: 3823.7/39

In: -1.393+/-0.168 χ^2/NDF:8346.8/40

Out: -1.328+/-0.163 χ^2/NDF:10219.3/46

All: -1.360+/-0.117 χ^2/NDF: 18566.2/87



Right In: -83.015+/-0.424 χ^2/NDF: 3183.3/17

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.756+/-0.389 χ^2/NDF: 4597.5/21

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

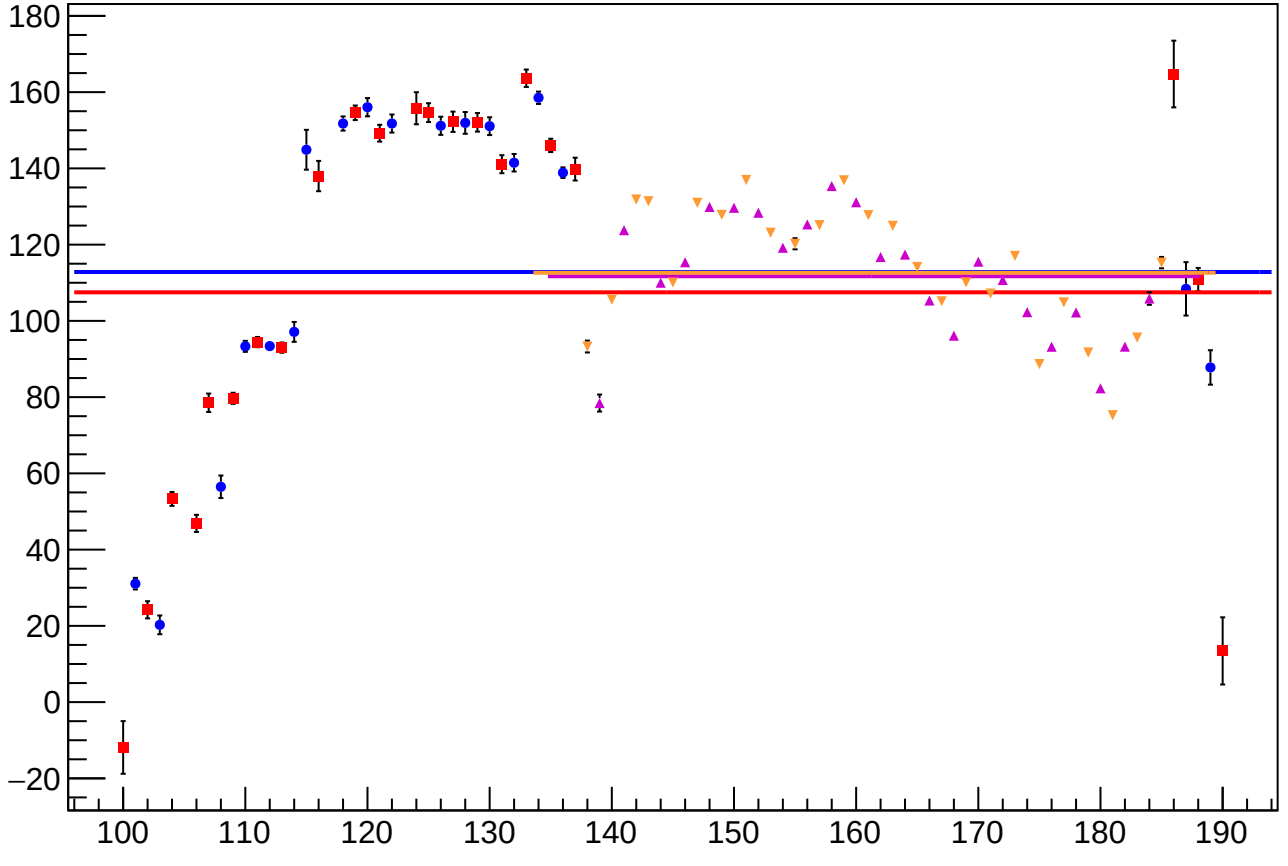
Right: -82.874+/-0.287 χ^2/NDF: 7781.1/39

In: -63.240+/-0.207 χ^2/NDF:23199.1/40

Out: -63.693+/-0.198 χ^2/NDF:28151.6/46

All: -63.477+/-0.143 χ^2/NDF: 51353.2/87

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 112.828+/-0.485 χ^2/NDF: 8235.6/17

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.492+/-0.472 χ^2/NDF: 7702.0/21

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

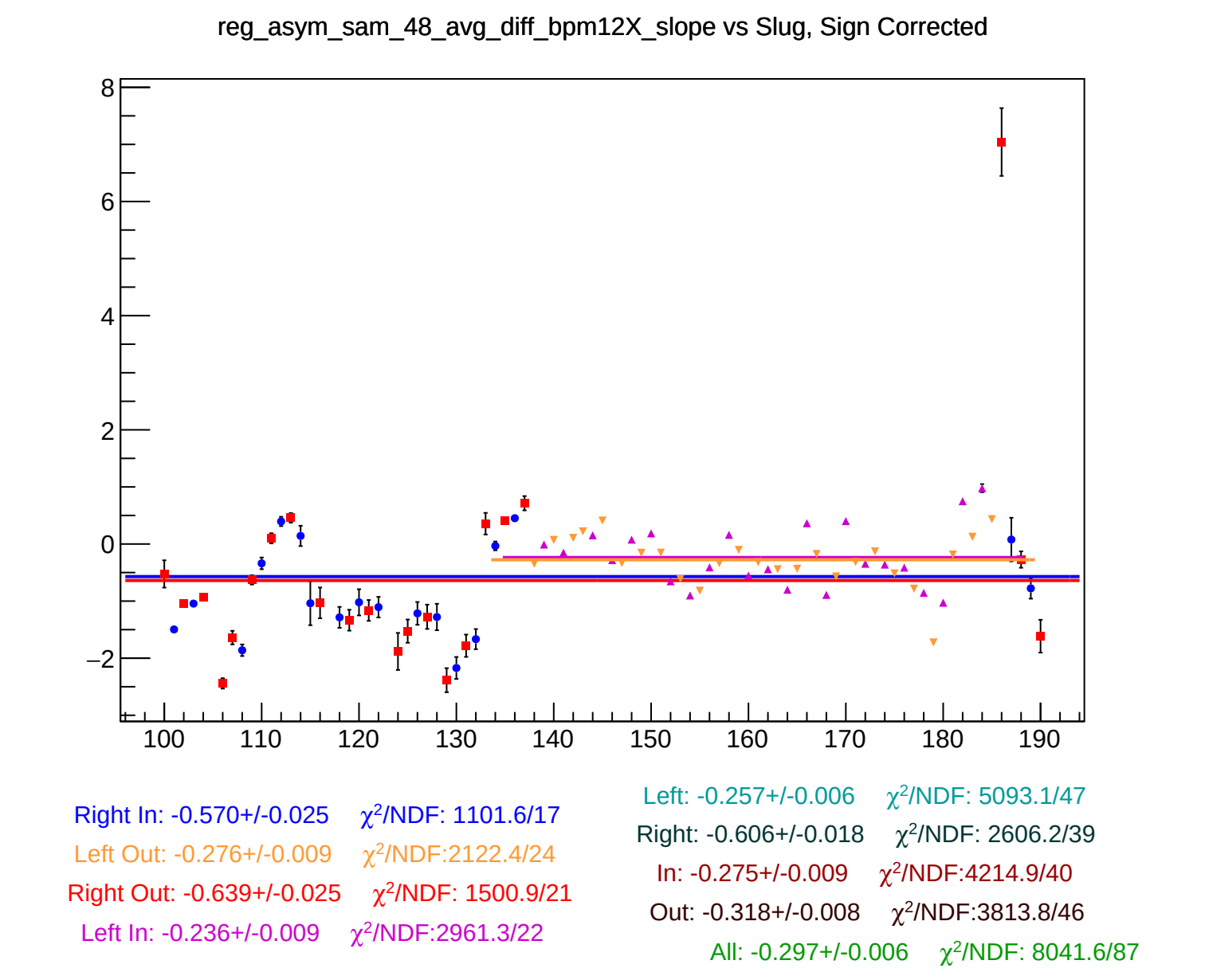
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

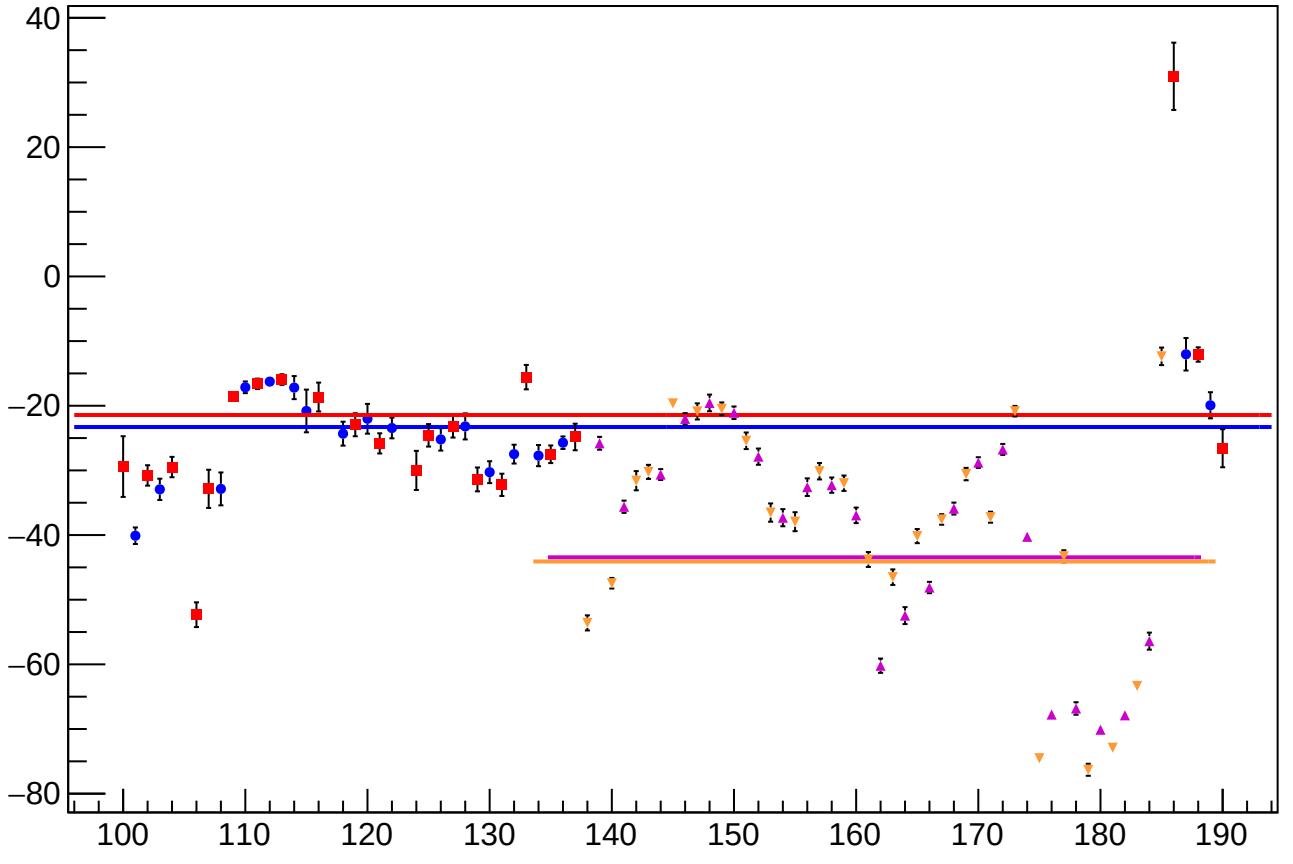
Right: 110.088+/-0.338 χ^2/NDF: 15999.8/39

In: 111.889+/-0.190 χ^2/NDF:13136.8/40

Out: 111.844+/-0.184 χ^2/NDF:14510.2/46

All: 111.866+/-0.132 χ^2/NDF: 27647.1/87


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.570+/-0.025 χ²/NDF: 1101.6/17
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.639+/-0.025 χ²/NDF: 1500.9/21
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.606+/-0.018 χ²/NDF: 2606.2/39
In: -0.275+/-0.009 χ²/NDF:4214.9/40
Out: -0.318+/-0.008 χ²/NDF:3813.8/46
All: -0.297+/-0.006 χ²/NDF: 8041.6/87



Right In: -23.291+/-0.340 χ^2/NDF: 430.1/17

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -21.431+/-0.307 χ^2/NDF: 735.3/21

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

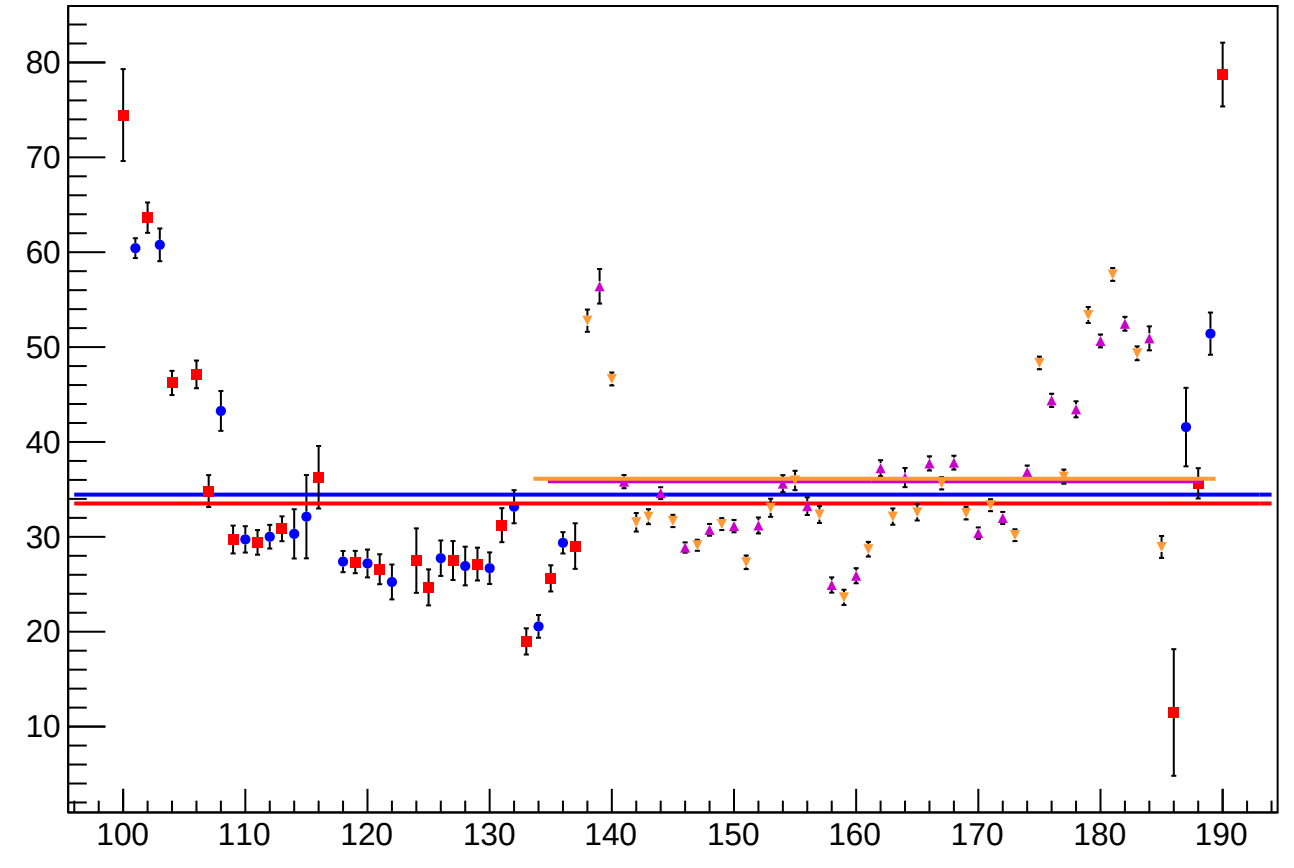
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -22.266+/-0.228 χ^2/NDF: 1181.8/39

In: -38.315+/-0.172 χ^2/NDF:10868.5/40

Out: -37.664+/-0.163 χ^2/NDF:14981.4/46

All: -37.973+/-0.118 χ^2/NDF: 25857.4/87



Right In: 34.450+/-0.369 χ^2/NDF: 1247.5/17

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 33.514+/-0.360 χ^2/NDF: 1071.2/21

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

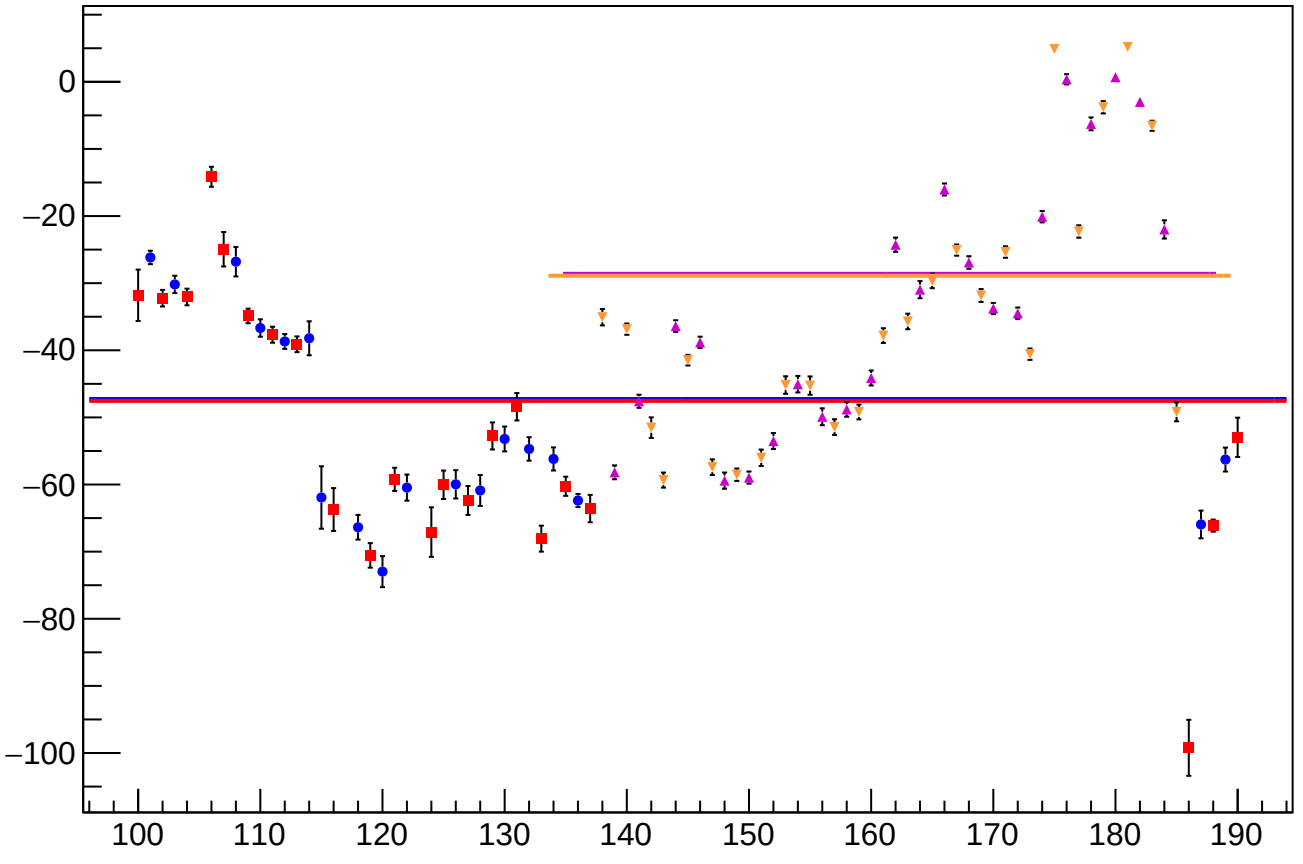
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 33.971+/-0.258 χ^2/NDF: 2322.0/39

In: 35.641+/-0.143 χ^2/NDF:3553.3/40

Out: 35.738+/-0.138 χ^2/NDF:4674.5/46

All: 35.691+/-0.099 χ^2/NDF: 8228.0/87



Right In: -47.258+/-0.375 χ^2/NDF: 1605.1/17

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.534+/-0.345 χ^2/NDF: 2348.3/21

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

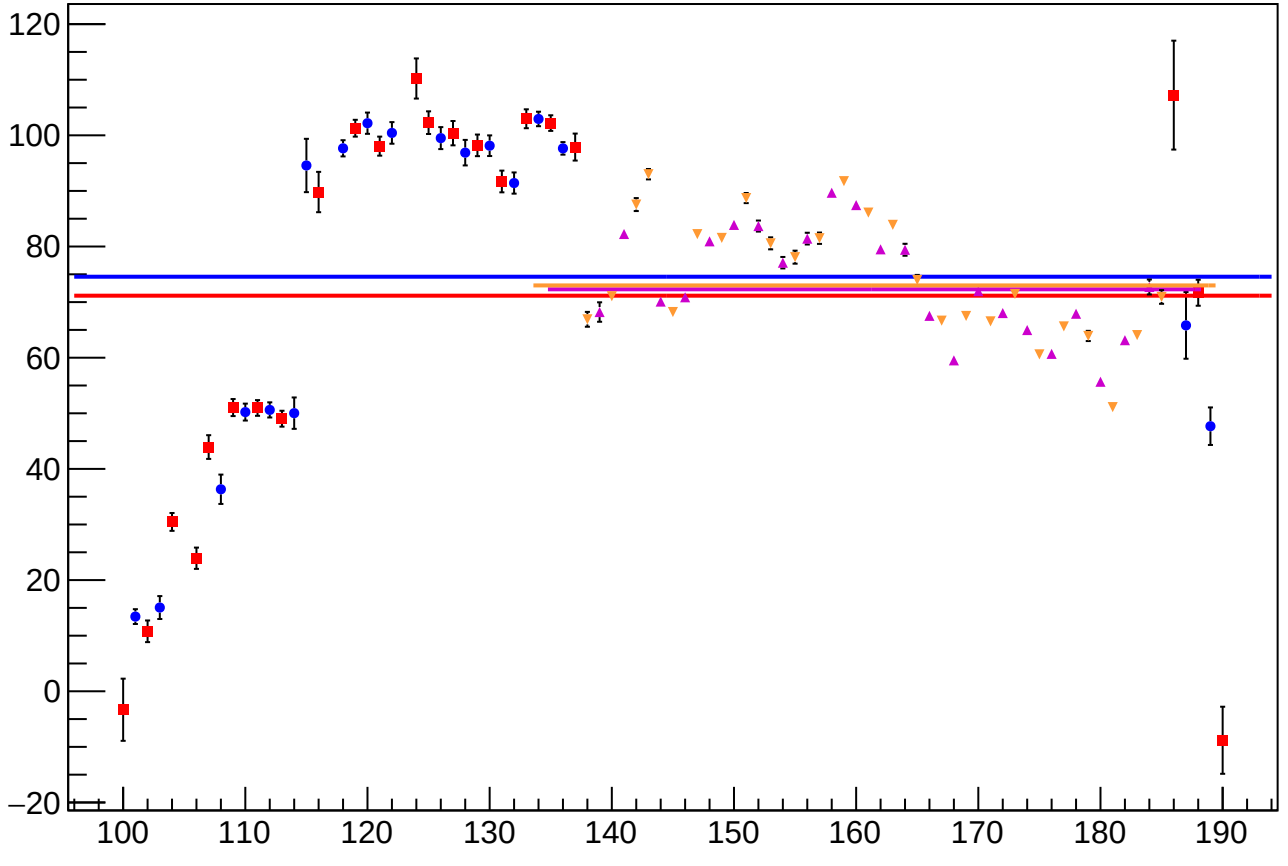
Right: -47.407+/-0.254 χ^2/NDF: 3953.7/39

In: -32.672+/-0.175 χ^2/NDF:13559.6/40

Out: -33.325+/-0.168 χ^2/NDF:16371.2/46

All: -33.011+/-0.121 χ^2/NDF: 29938.0/87

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 74.567+/-0.423 χ^2/NDF: 5895.1/17

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.156+/-0.417 χ^2/NDF: 5818.0/21

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

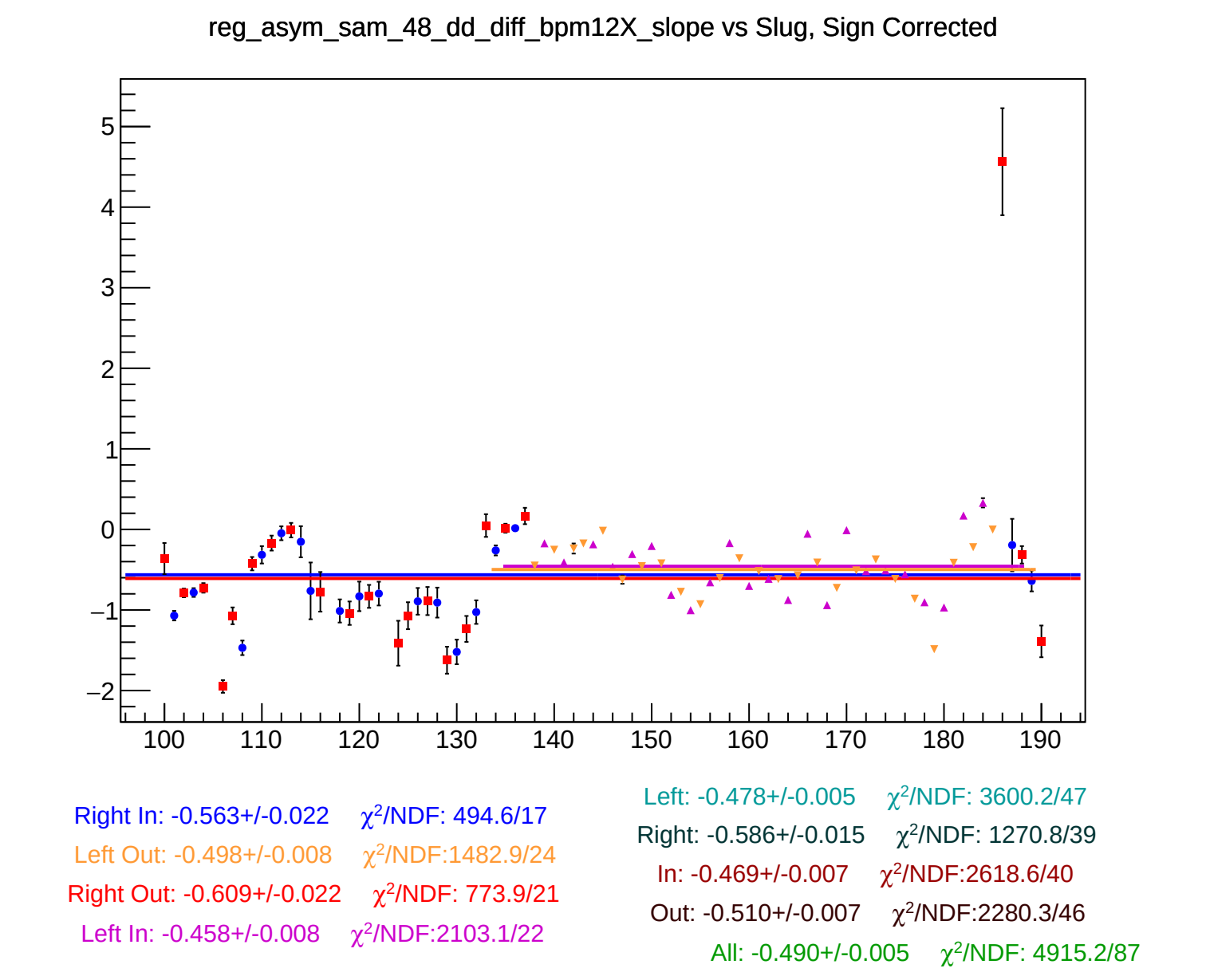
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

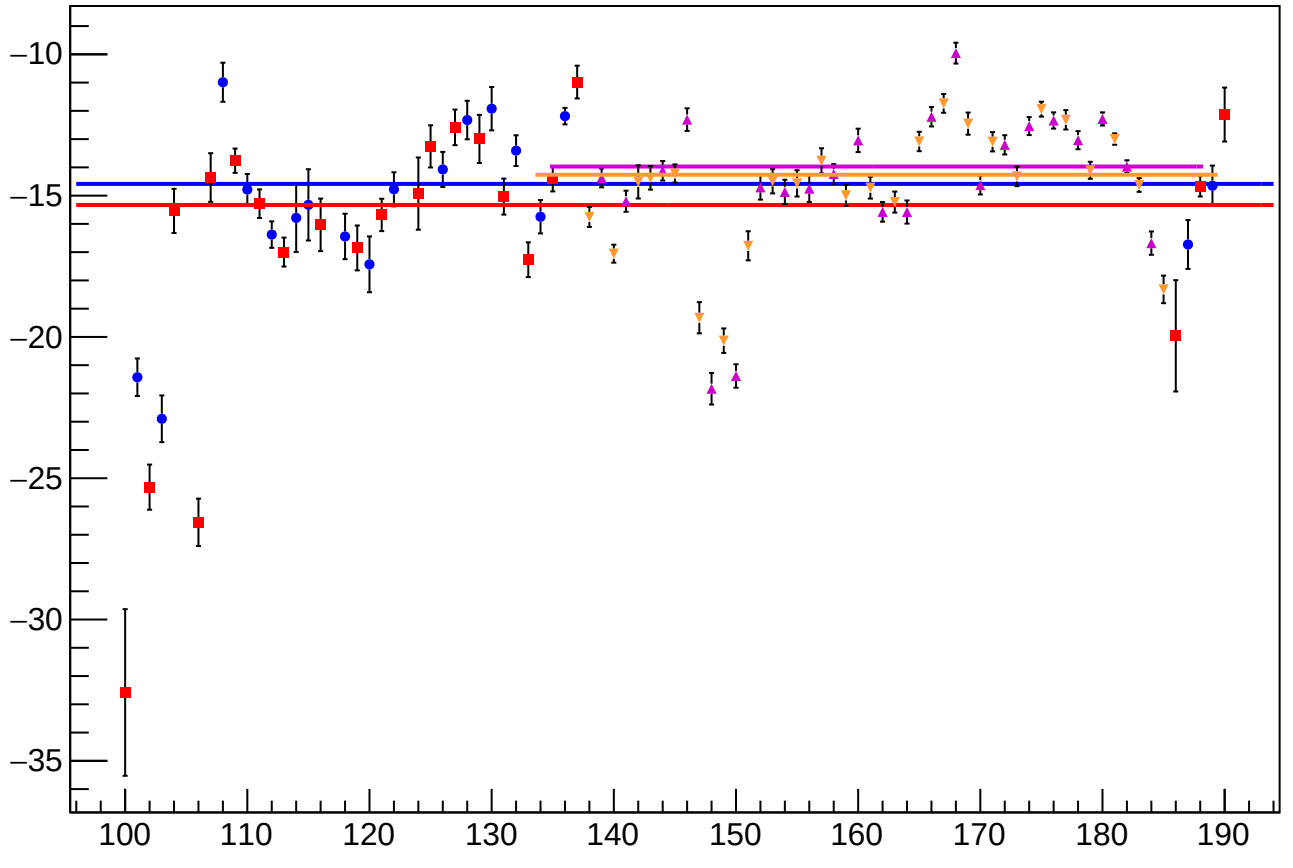
Right: 72.839+/-0.297 χ^2/NDF: 11746.0/39

In: 72.628+/-0.160 χ^2/NDF:8832.2/40

Out: 72.743+/-0.156 χ^2/NDF:9887.2/46

All: 72.687+/-0.112 χ^2/NDF: 18719.7/87


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.563+/-0.022 χ²/NDF: 494.6/17
Left Out: -0.498+/-0.008 χ²/NDF:1482.9/24
Right Out: -0.609+/-0.022 χ²/NDF: 773.9/21
Left In: -0.458+/-0.008 χ²/NDF:2103.1/22
Left: -0.478+/-0.005 χ²/NDF: 3600.2/47
Right: -0.586+/-0.015 χ²/NDF: 1270.8/39
In: -0.469+/-0.007 χ²/NDF:2618.6/40
Out: -0.510+/-0.007 χ²/NDF:2280.3/46
All: -0.490+/-0.005 χ²/NDF: 4915.2/87



Right In: -14.585+/-0.144 χ^2/NDF: 369.7/17

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.331+/-0.137 χ^2/NDF: 525.1/21

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

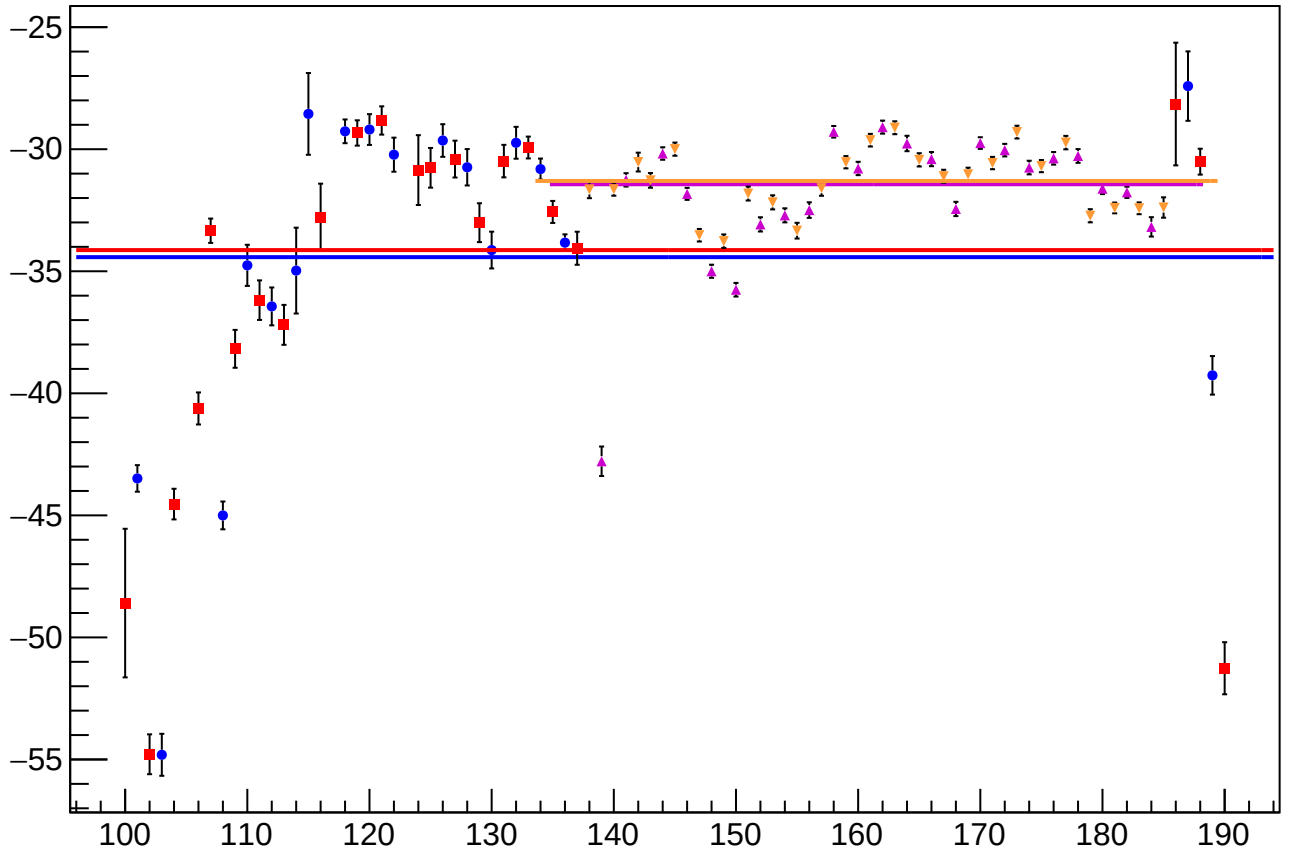
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -14.977+/-0.099 χ^2/NDF: 908.9/39

In: -14.092+/-0.064 χ^2/NDF:1292.0/40

Out: -14.480+/-0.062 χ^2/NDF:1297.5/46

All: -14.293+/-0.045 χ^2/NDF: 2608.4/87



Right In: -34.422+/-0.150 χ^2/NDF: 1682.9/17

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.133+/-0.146 χ^2/NDF: 1744.9/21

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

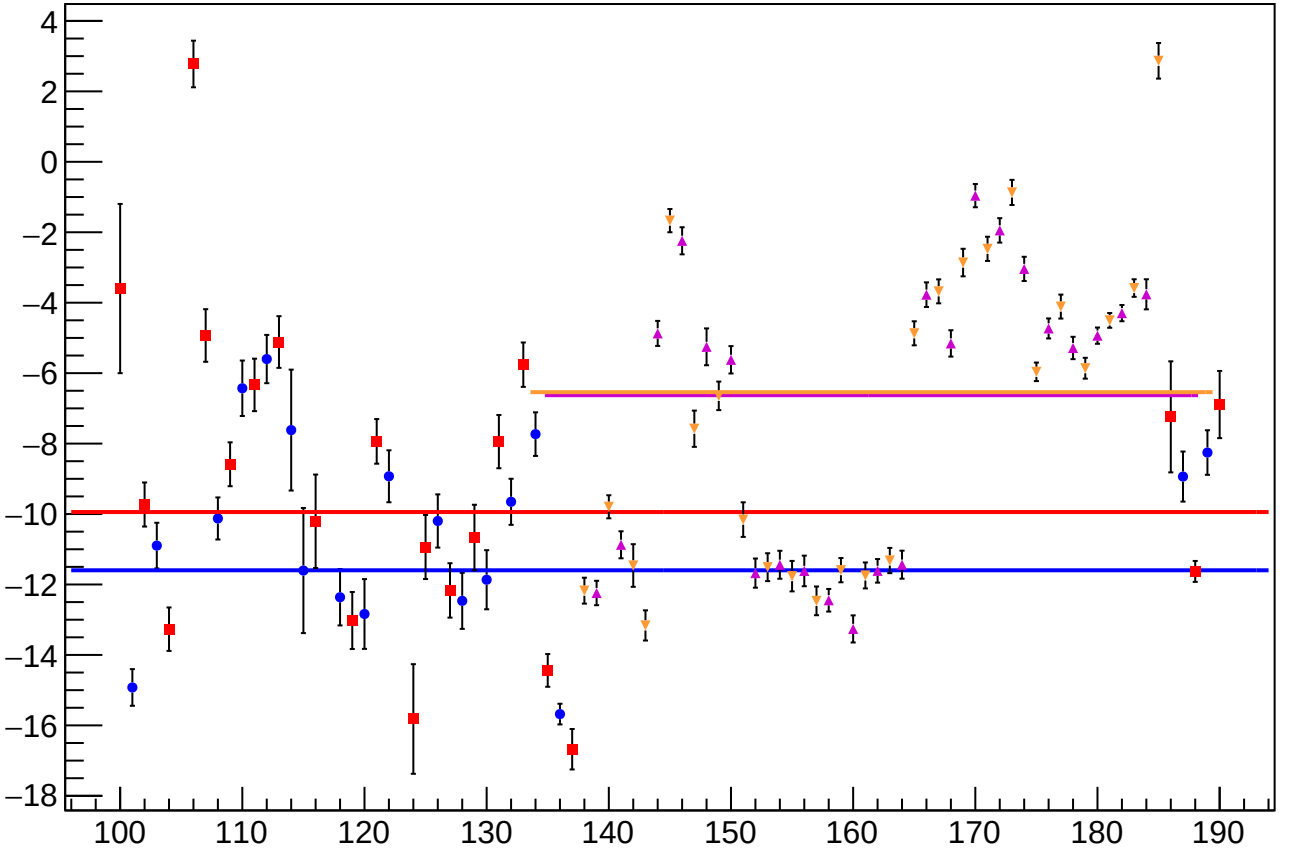
Right: -34.274+/-0.105 χ^2/NDF: 3429.6/39

In: -31.818+/-0.054 χ^2/NDF:3245.0/40

Out: -31.654+/-0.052 χ^2/NDF:2625.8/46

All: -31.733+/-0.037 χ^2/NDF: 5875.6/87

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.597+/-0.152 χ^2/NDF: 476.7/17

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.943+/-0.142 χ^2/NDF: 898.3/21

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

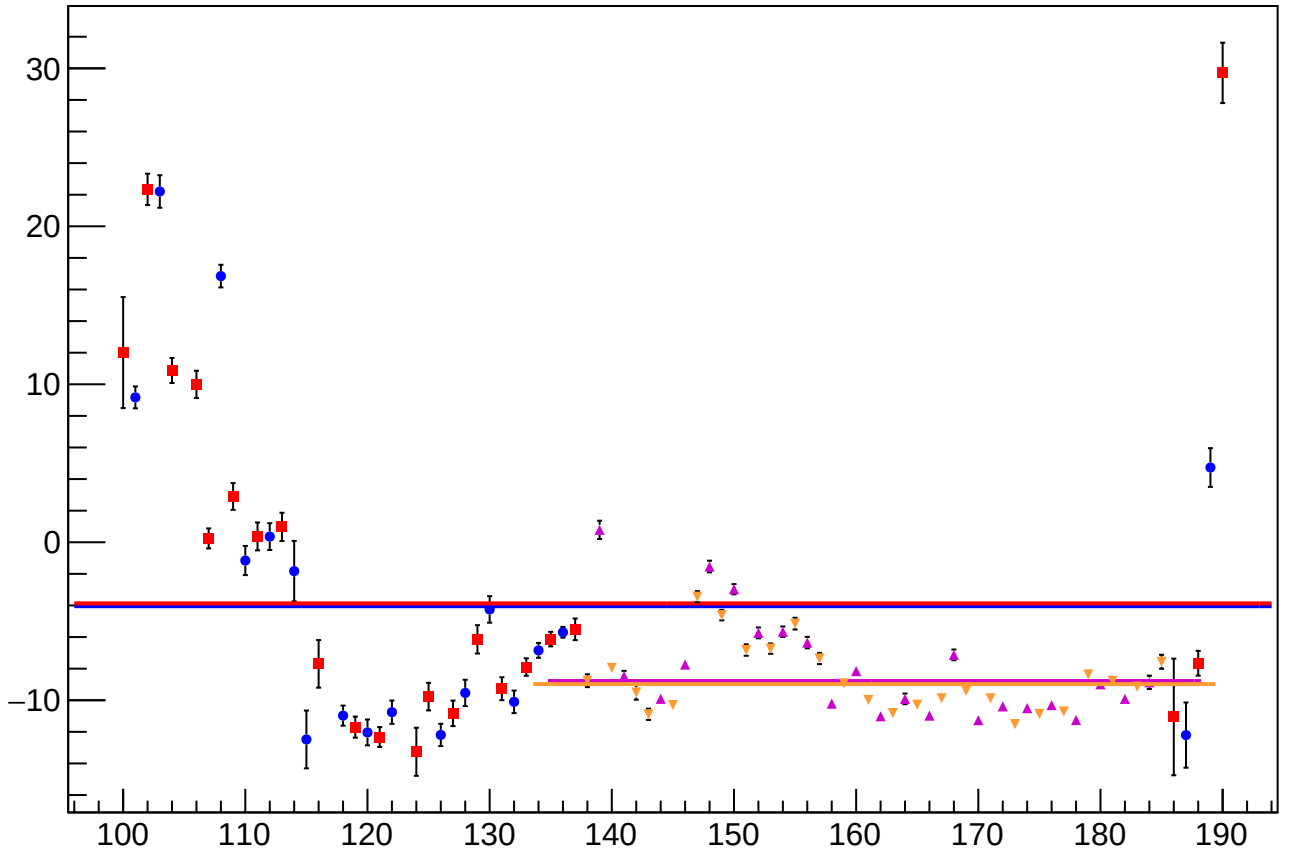
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.717+/-0.104 χ^2/NDF: 1438.3/39

In: -7.528+/-0.065 χ^2/NDF:4264.3/40

Out: -7.197+/-0.062 χ^2/NDF:4603.3/46

All: -7.357+/-0.045 χ^2/NDF: 8881.2/87



Right In: -4.046+/-0.170 χ^2/NDF: 2592.4/17

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.868+/-0.171 χ^2/NDF: 2445.8/21

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

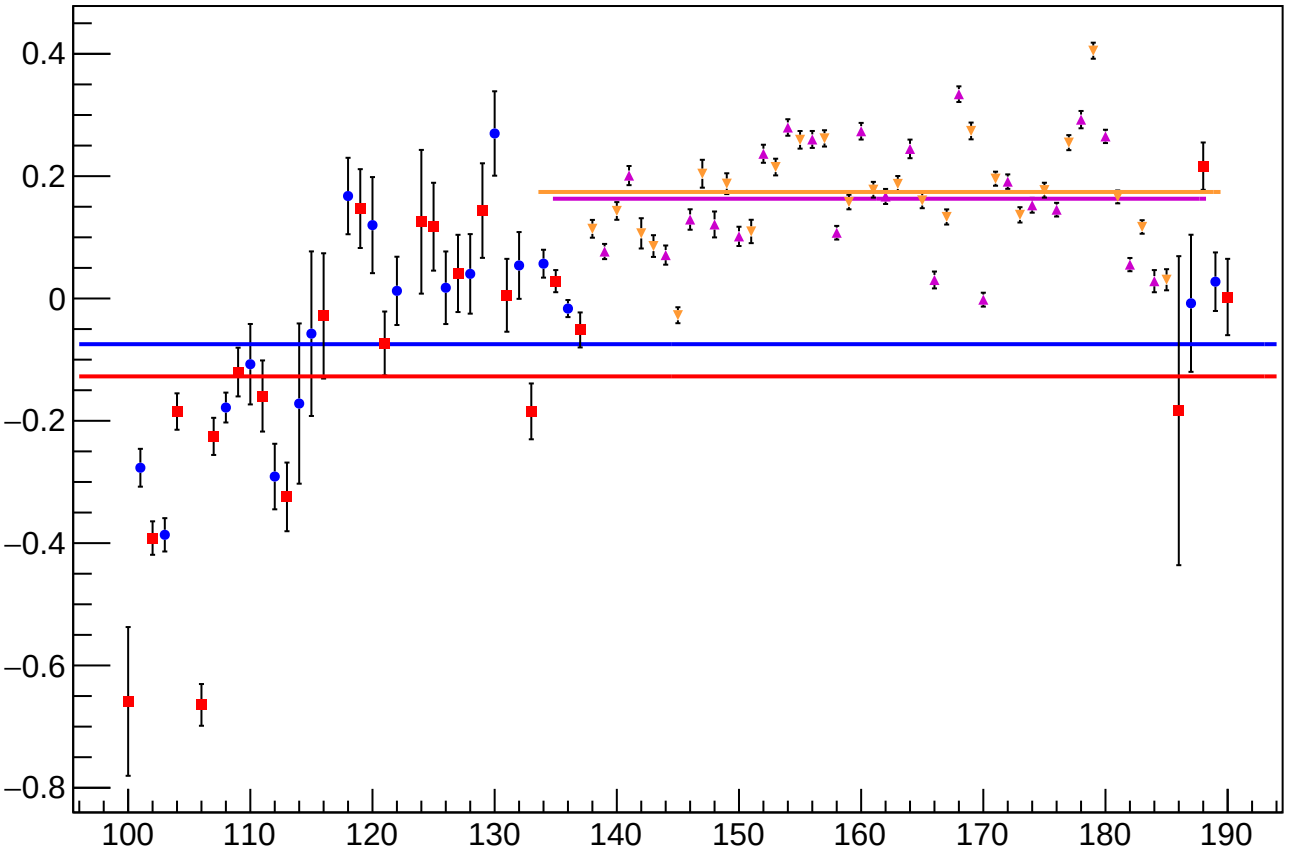
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.958+/-0.120 χ^2/NDF: 5038.7/39

In: -8.205+/-0.059 χ^2/NDF:4961.7/40

Out: -8.392+/-0.058 χ^2/NDF:4209.1/46

All: -8.301+/-0.041 χ^2/NDF: 9175.8/87



Right In: -0.075+/-0.008 χ^2/NDF: 323.9/17

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.127+/-0.009 χ^2/NDF: 613.8/21

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

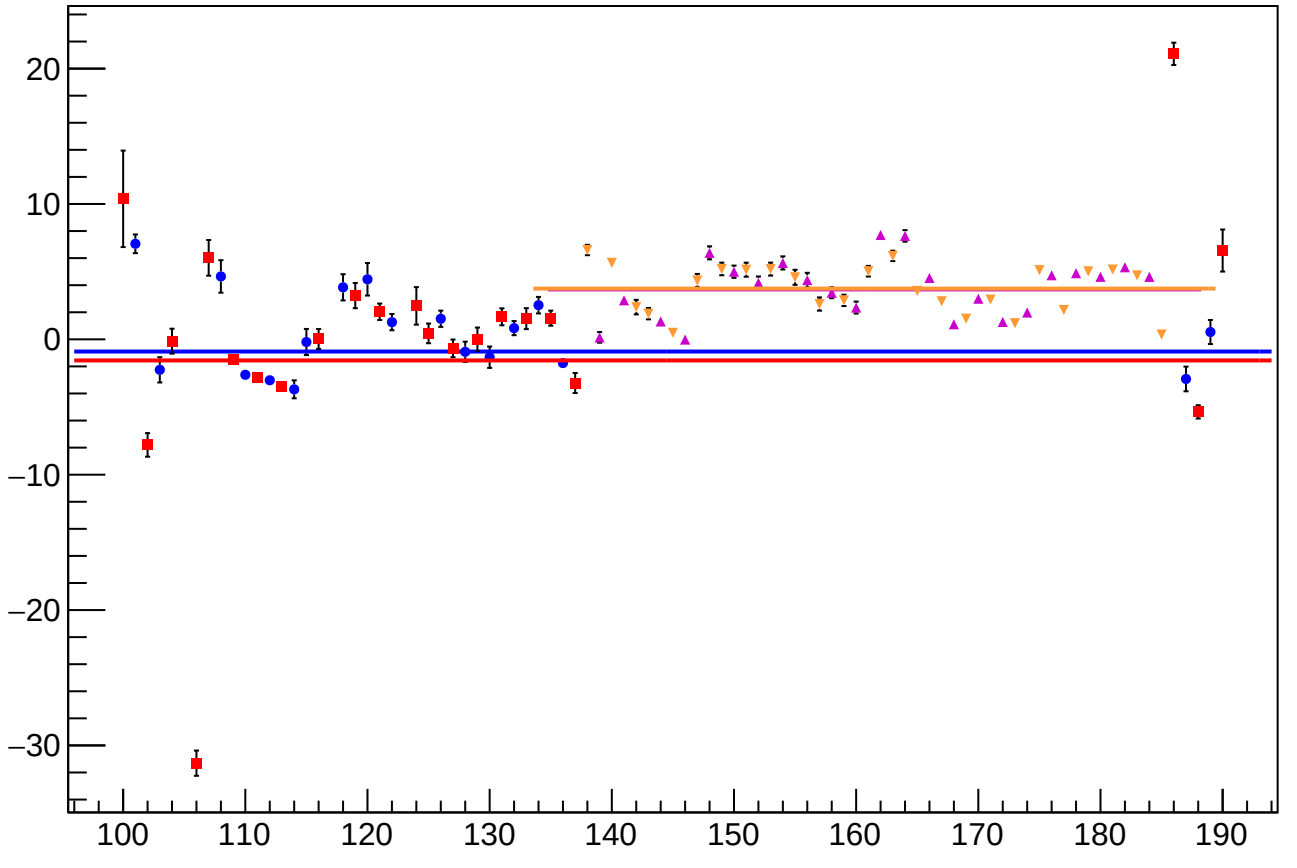
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.100+/-0.006 χ^2/NDF: 956.5/39

In: 0.140+/-0.003 χ^2/NDF:2239.9/40

Out: 0.147+/-0.003 χ^2/NDF:2621.3/46

All: 0.144+/-0.002 χ^2/NDF: 4865.5/87



Right In: -0.901+/-0.134 χ^2/NDF: 387.8/17

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.559+/-0.122 χ^2/NDF: 2178.9/21

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

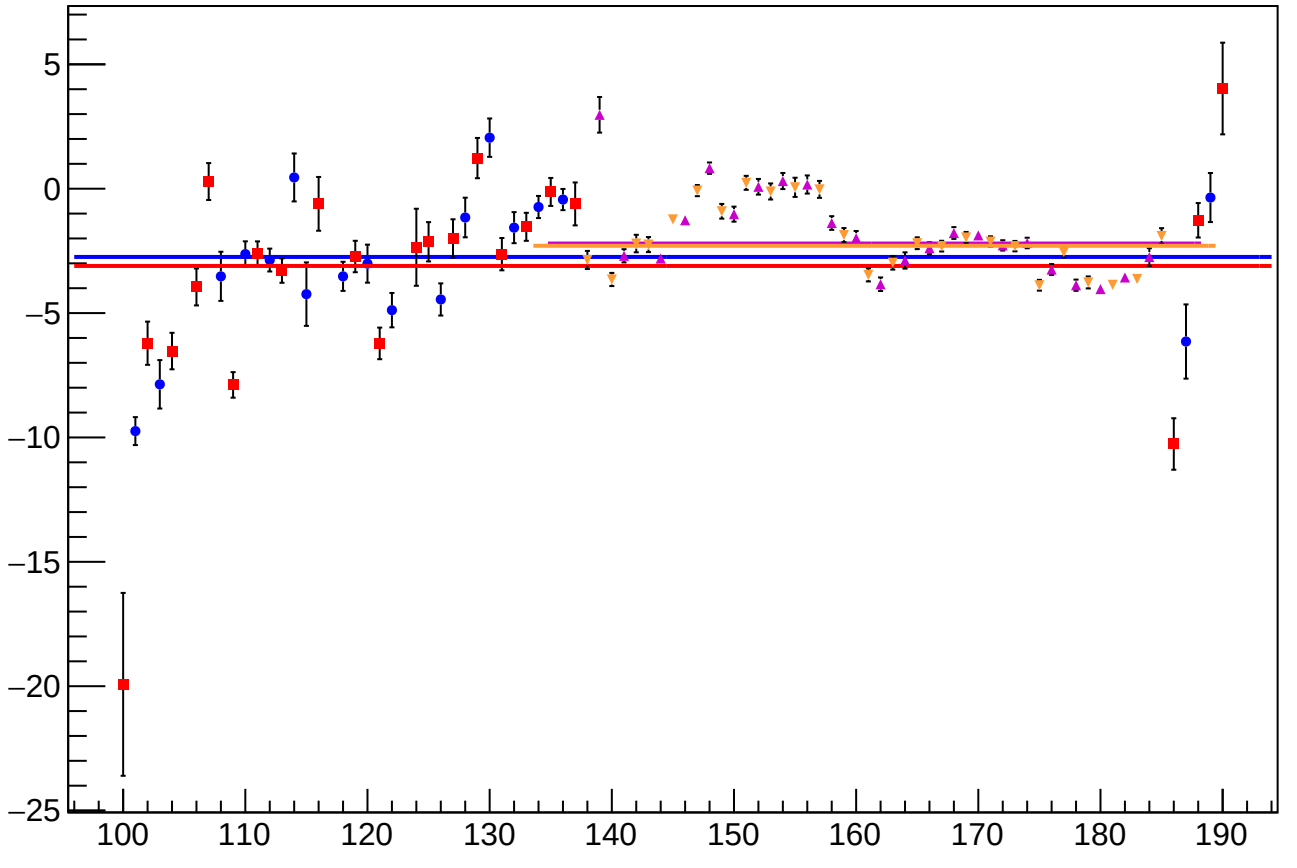
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -1.259+/-0.090 χ^2/NDF: 2579.9/39

In: 2.833+/-0.058 χ^2/NDF:2301.6/40

Out: 2.667+/-0.055 χ^2/NDF:4485.8/46

All: 2.747+/-0.040 χ^2/NDF: 6791.7/87



Right In: -2.743+/-0.153 χ^2/NDF: 321.2/17

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.105+/-0.151 χ^2/NDF: 342.3/21

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

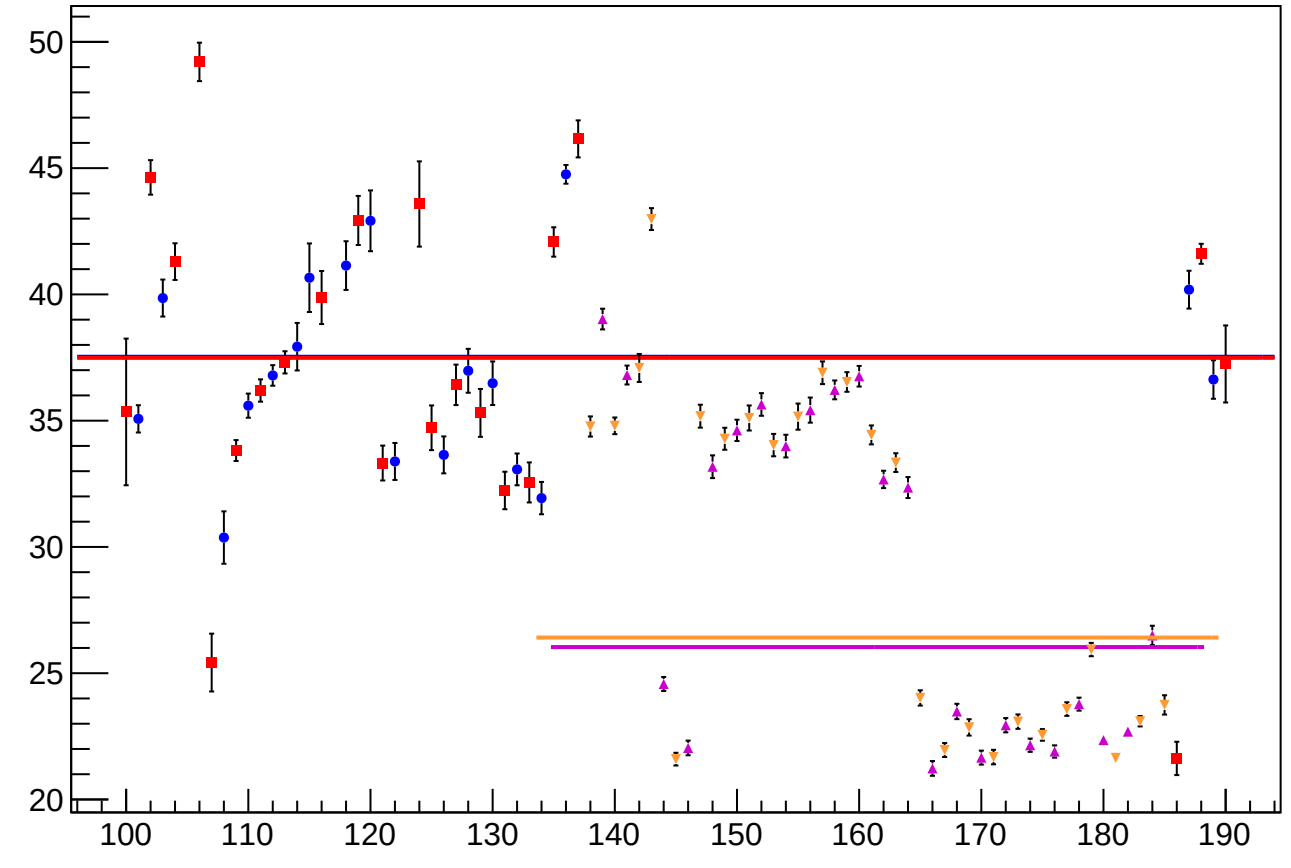
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.926+/-0.108 χ^2/NDF: 666.3/39

In: -2.257+/-0.048 χ^2/NDF:1056.9/40

Out: -2.373+/-0.047 χ^2/NDF:999.7/46

All: -2.316+/-0.034 χ^2/NDF: 2059.5/87



Right In: 37.531+/-0.154 χ^2/NDF: 721.2/17

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.488+/-0.144 χ^2/NDF: 1652.4/21

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

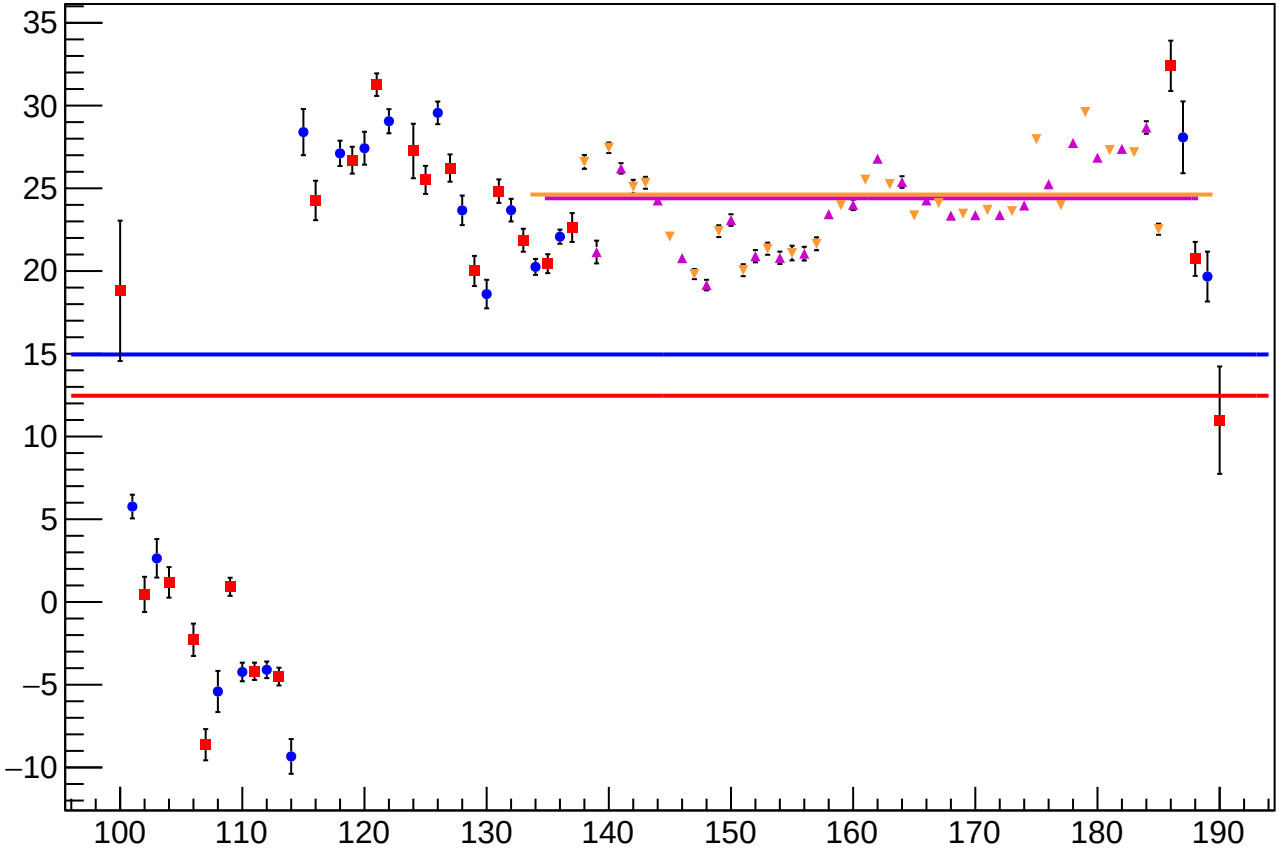
Right: 37.508+/-0.105 χ^2/NDF: 2373.6/39

In: 27.725+/-0.059 χ^2/NDF:13322.3/40

Out: 28.163+/-0.057 χ^2/NDF:15879.6/46

All: 27.951+/-0.041 χ^2/NDF: 29230.4/87

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.959+/-0.172 χ^2/NDF: 5733.4/17

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.465+/-0.173 χ^2/NDF: 6350.7/21

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

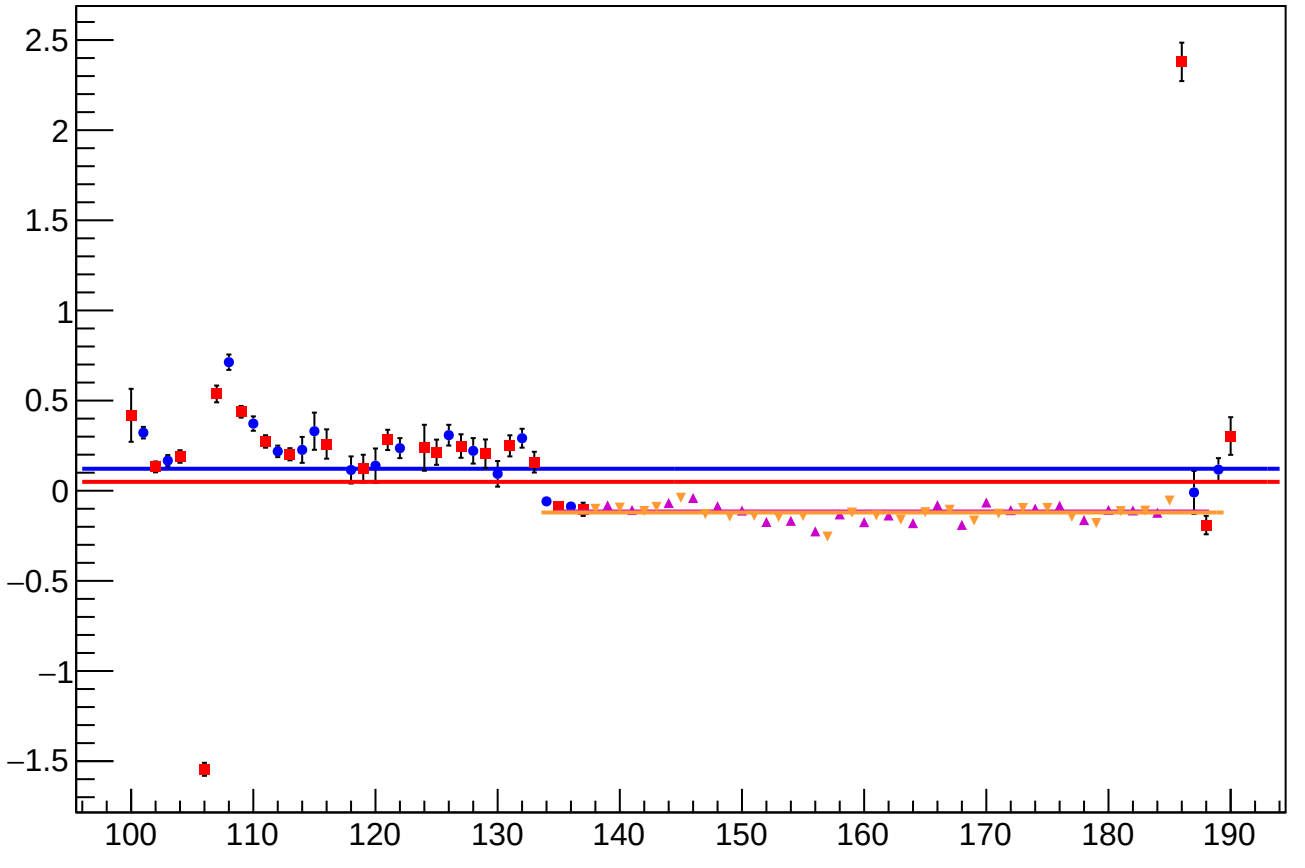
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.717+/-0.122 χ^2/NDF: 12188.6/39

In: 23.481+/-0.054 χ^2/NDF:10162.0/40

Out: 23.500+/-0.053 χ^2/NDF:12790.7/46

All: 23.491+/-0.038 χ^2/NDF: 22952.7/87



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/17

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.049+/-0.010 χ^2/NDF: 2922.6/21

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

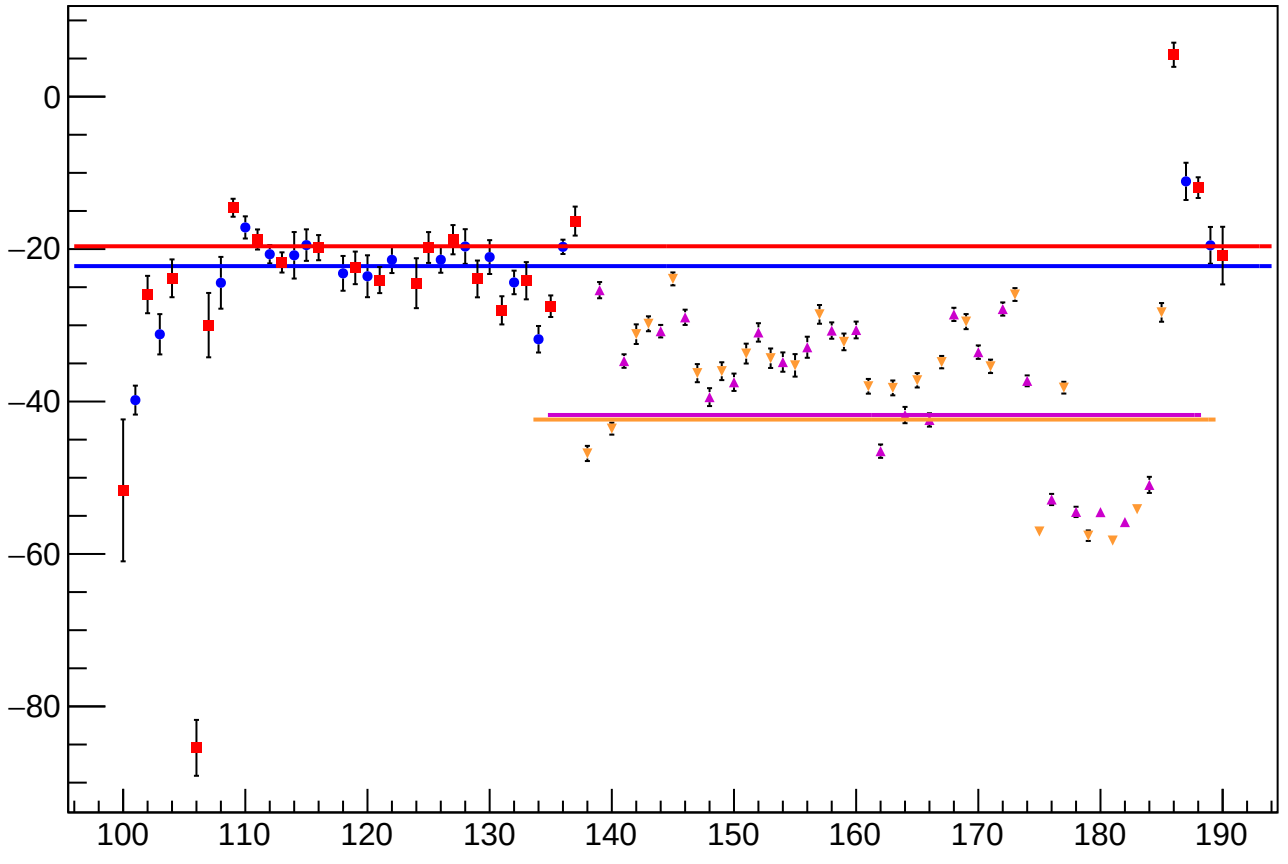
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.086+/-0.007 χ^2/NDF: 3473.7/39

In: -0.099+/-0.002 χ^2/NDF:1420.3/40

Out: -0.110+/-0.002 χ^2/NDF:3484.2/46

All: -0.105+/-0.002 χ^2/NDF: 4915.1/87



Right In: -22.234+/-0.421 χ^2/NDF: 177.5/17

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -19.630+/-0.399 χ^2/NDF: 726.2/21

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

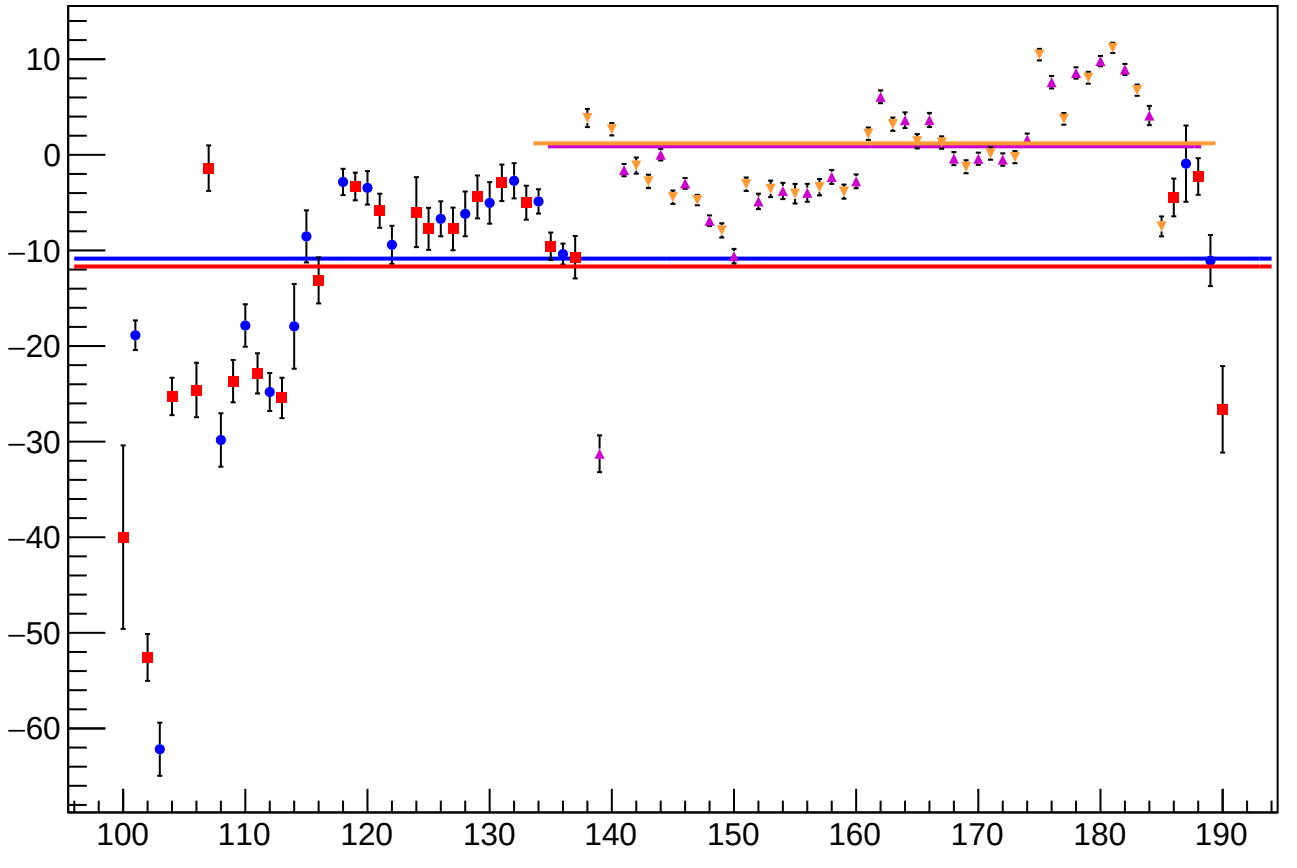
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -20.861+/-0.290 χ^2/NDF: 923.8/39

In: -38.700+/-0.167 χ^2/NDF:5448.8/40

Out: -38.687+/-0.160 χ^2/NDF:7928.5/46

All: -38.693+/-0.116 χ^2/NDF: 13377.3/87



Right In: -10.856+/-0.444 χ^2/NDF: 593.6/17

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -11.680+/-0.452 χ^2/NDF: 623.9/21

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

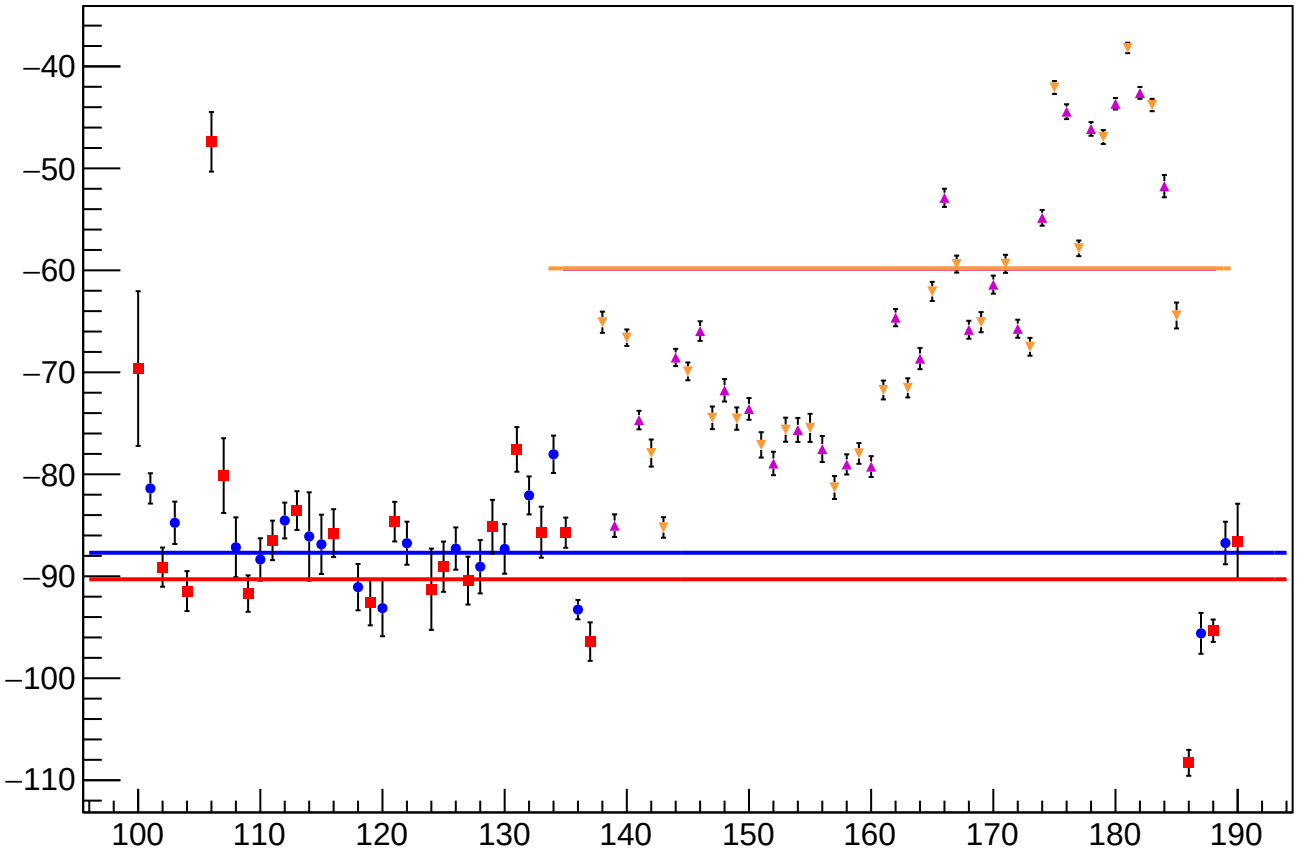
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.261+/-0.317 χ^2/NDF: 1219.1/39

In: -0.213+/-0.136 χ^2/NDF:2990.9/40

Out: 0.102+/-0.132 χ^2/NDF:2831.0/46

All: -0.051+/-0.095 χ^2/NDF: 5824.6/87



Right In: -87.693+/-0.456 χ^2/NDF: 117.6/17

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -90.293+/-0.429 χ^2/NDF: 546.0/21

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

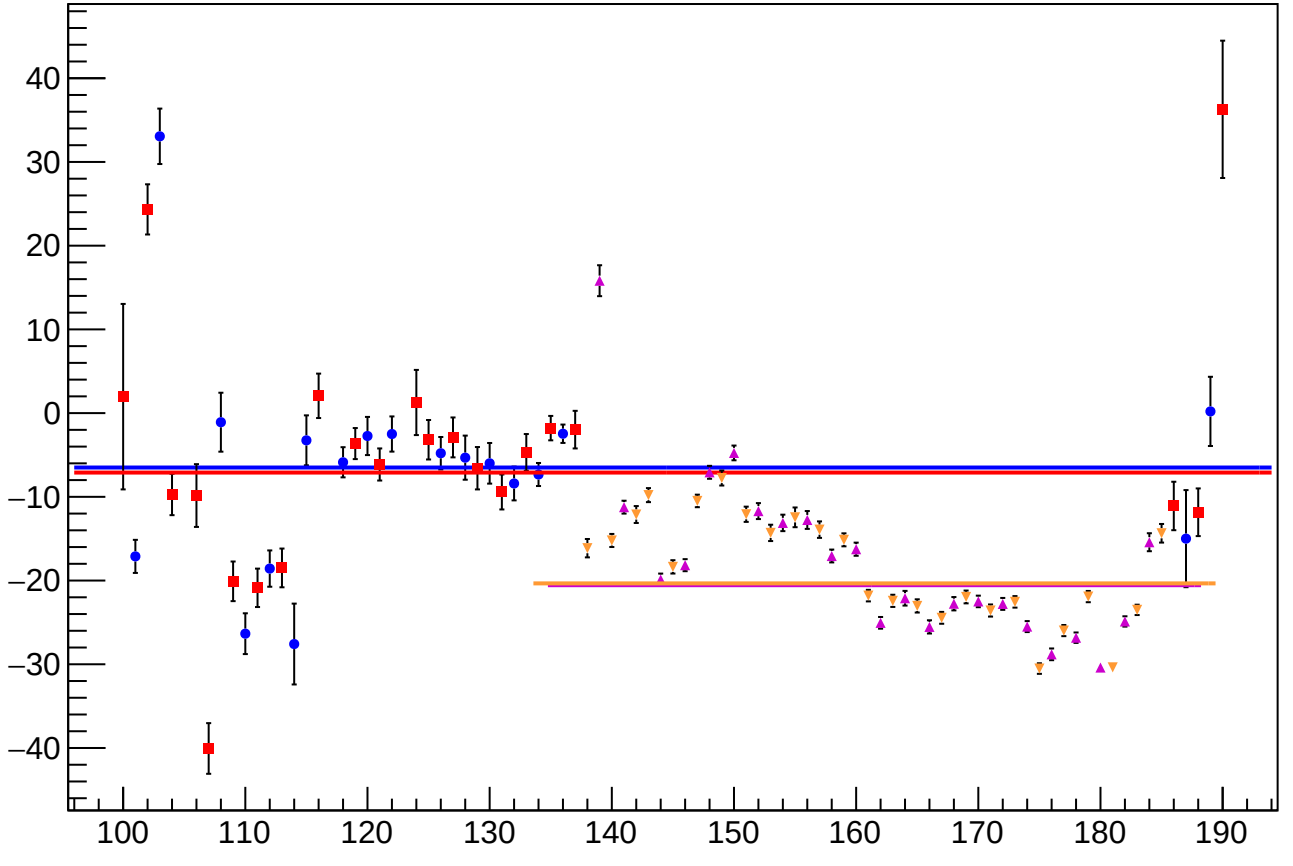
Right: -89.072+/-0.312 χ^2/NDF: 680.9/39

In: -63.638+/-0.168 χ^2/NDF:8872.6/40

Out: -64.170+/-0.162 χ^2/NDF:11516.8/46

All: -63.914+/-0.117 χ^2/NDF: 20394.5/87

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.499+/-0.502 χ^2/NDF: 318.7/17

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.101+/-0.522 χ^2/NDF: 401.0/21

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

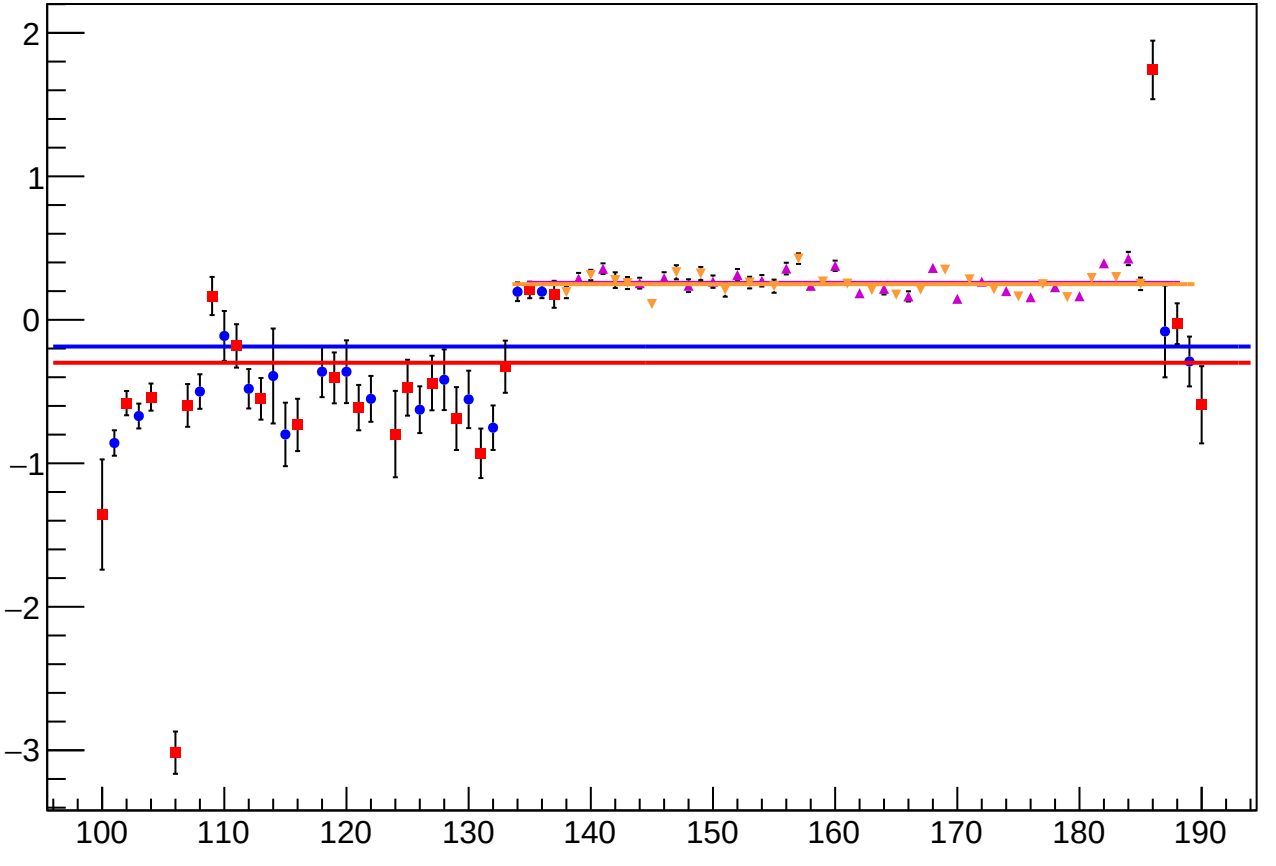
Right: -6.788+/-0.362 χ^2/NDF: 720.4/39

In: -19.266+/-0.152 χ^2/NDF:3224.0/40

Out: -19.273+/-0.148 χ^2/NDF:2692.8/46

All: -19.269+/-0.106 χ^2/NDF: 5916.8/87

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.186+/-0.026 χ^2/NDF: 247.8/17

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.299+/-0.028 χ^2/NDF: 624.4/21

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

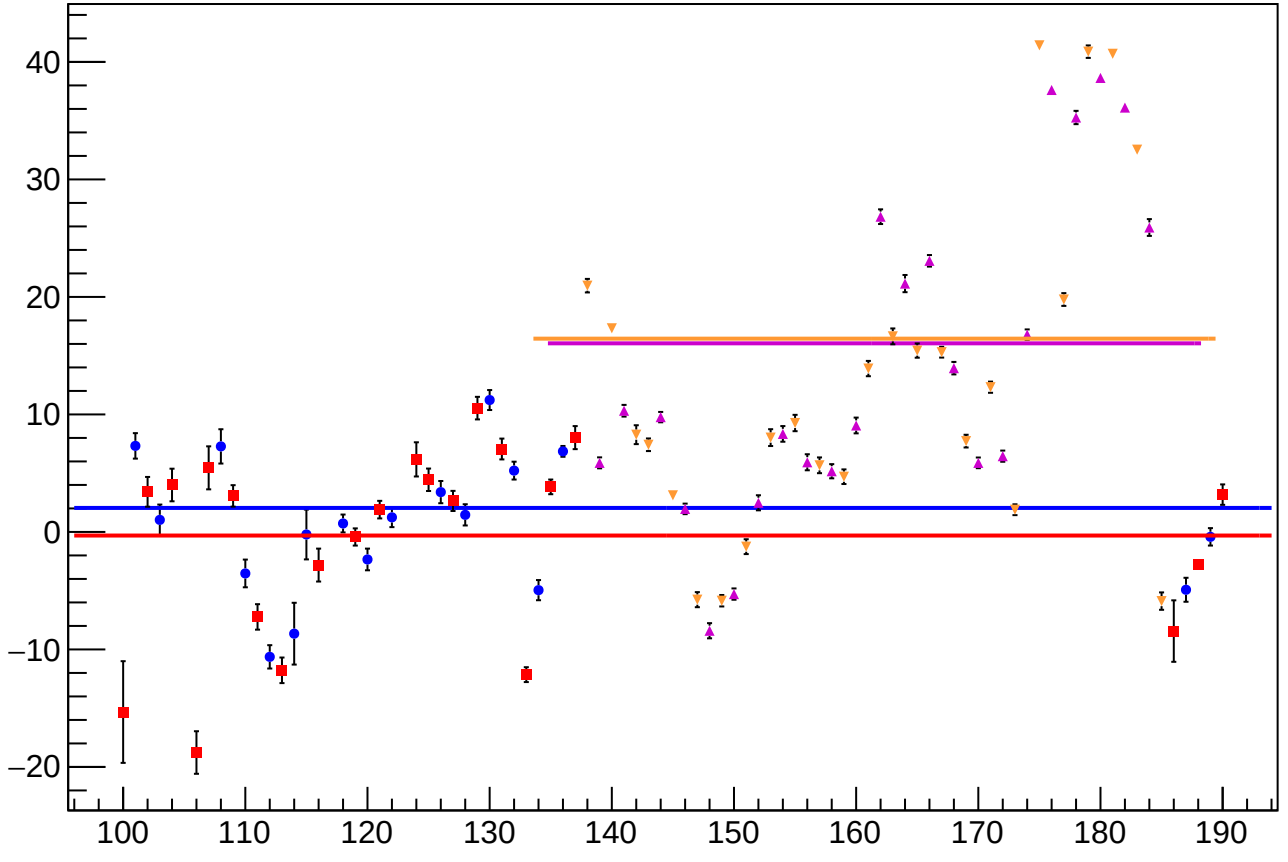
Right: -0.239+/-0.019 χ^2/NDF: 880.7/39

In: 0.228+/-0.007 χ^2/NDF:646.2/40

Out: 0.217+/-0.007 χ^2/NDF:1071.4/46

All: 0.222+/-0.005 χ^2/NDF: 1718.7/87

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.043+/-0.210 χ^2/NDF: 637.0/17

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: -0.307+/-0.186 χ^2/NDF: 1108.1/21

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

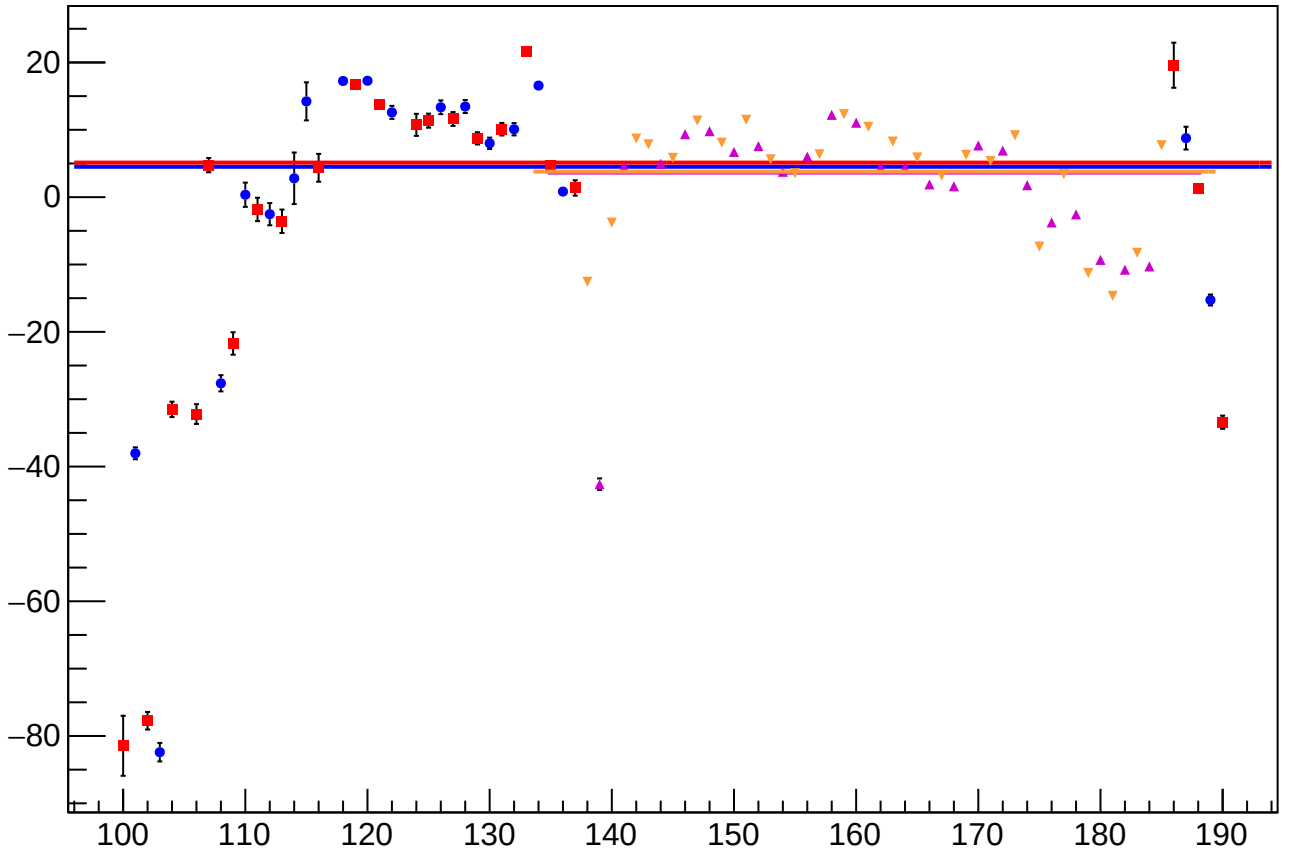
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 0.729+/-0.139 χ^2/NDF: 1815.1/39

In: 13.153+/-0.095 χ^2/NDF:21792.9/40

Out: 12.470+/-0.091 χ^2/NDF:28671.5/46

All: 12.794+/-0.066 χ^2/NDF: 50491.3/87



Right In: 4.514+/-0.202 χ^2/NDF: 9568.7/17

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 5.133+/-0.191 χ^2/NDF: 10134.8/21

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

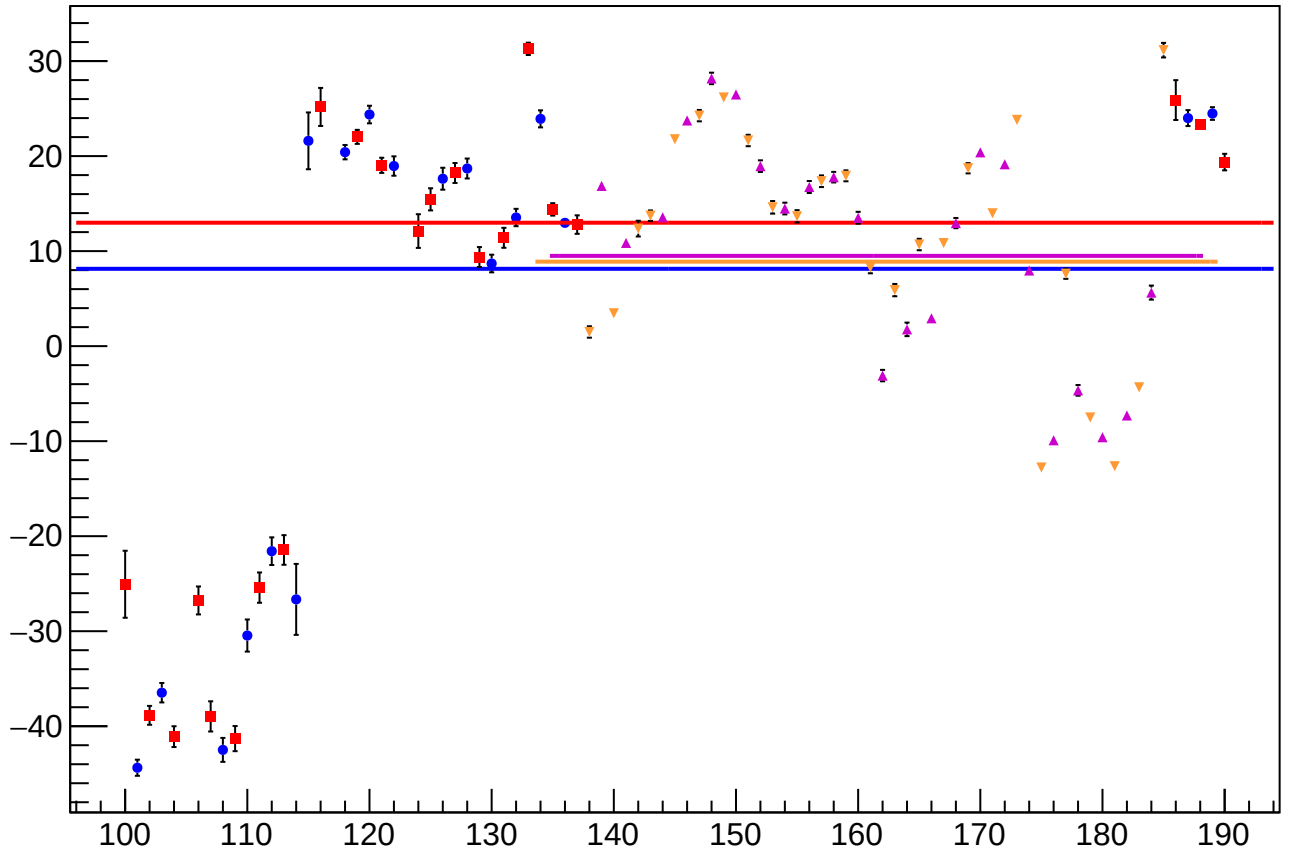
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: 4.840+/-0.139 χ^2/NDF: 19708.5/39

In: 3.774+/-0.077 χ^2/NDF:17895.2/40

Out: 3.991+/-0.074 χ^2/NDF:19277.5/46

All: 3.887+/-0.053 χ^2/NDF: 37176.8/87



Right In: 8.137+/-0.216 χ^2/NDF: 10653.8/17

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 12.990+/-0.184 χ^2/NDF: 12175.2/21

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

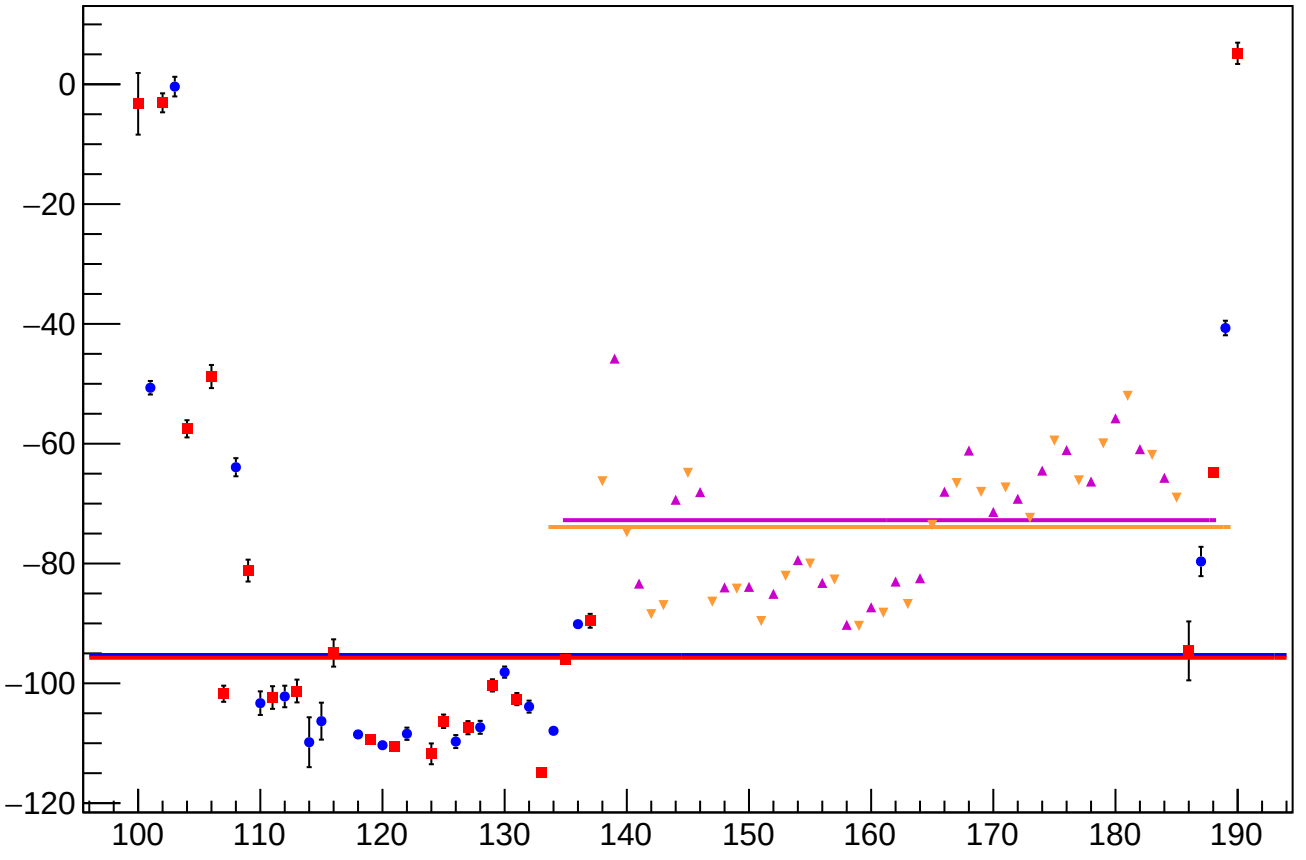
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 10.956+/-0.140 χ^2/NDF: 23121.9/39

In: 9.234+/-0.096 χ^2/NDF:23726.8/40

Out: 9.884+/-0.090 χ^2/NDF:27981.1/46

All: 9.577+/-0.066 χ^2/NDF: 51732.3/87



Right In: -95.275+/-0.236 χ^2/NDF: 9288.6/17

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -95.732+/-0.228 χ^2/NDF: 12217.3/21

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

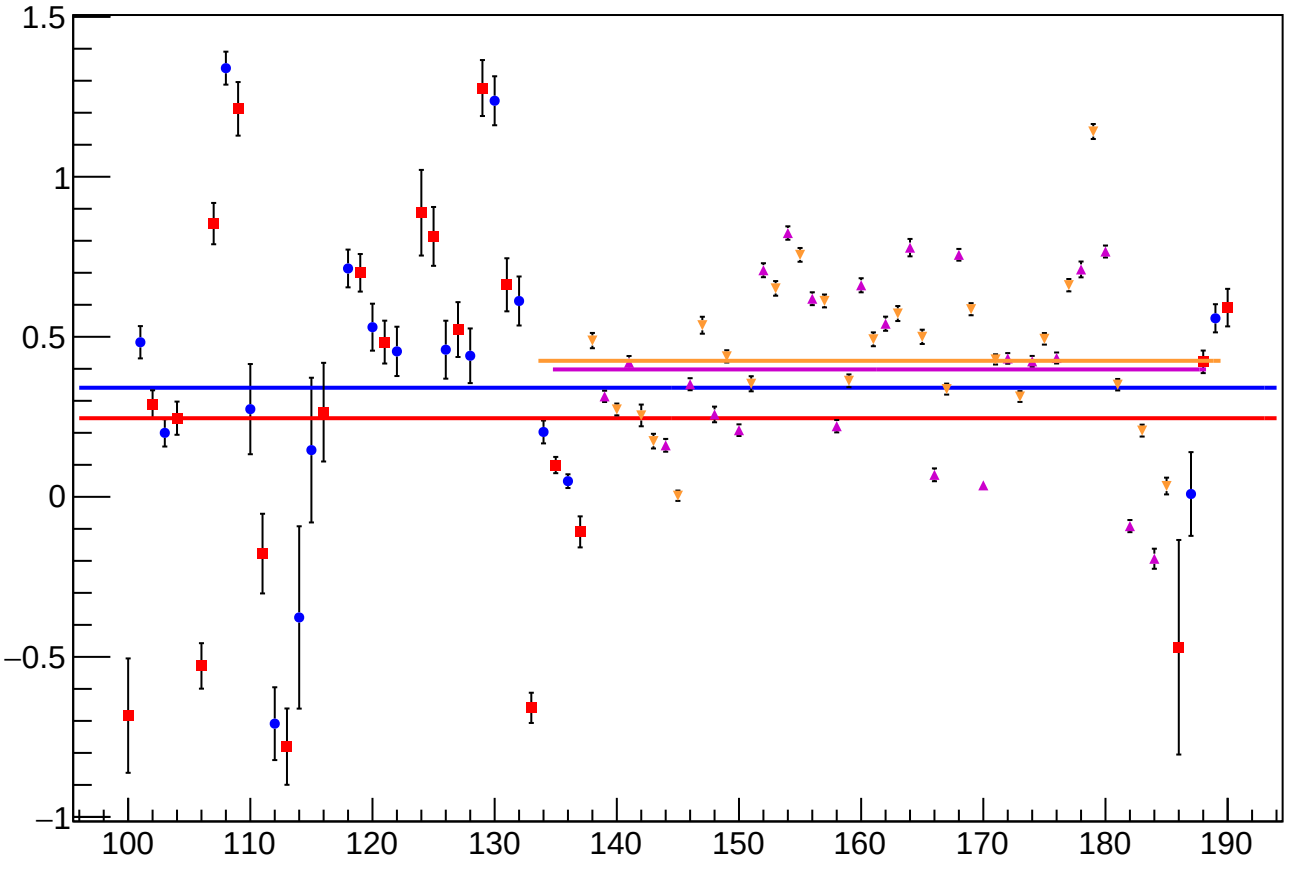
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -95.511+/-0.164 χ^2/NDF: 21507.9/39

In: -75.808+/-0.087 χ^2/NDF:29772.7/40

Out: -76.865+/-0.084 χ^2/NDF:35673.3/46

All: -76.353+/-0.060 χ^2/NDF: 65522.4/87



Right In: 0.341+/-0.013 χ^2/NDF: 918.8/17

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.246+/-0.013 χ^2/NDF: 1281.2/21

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

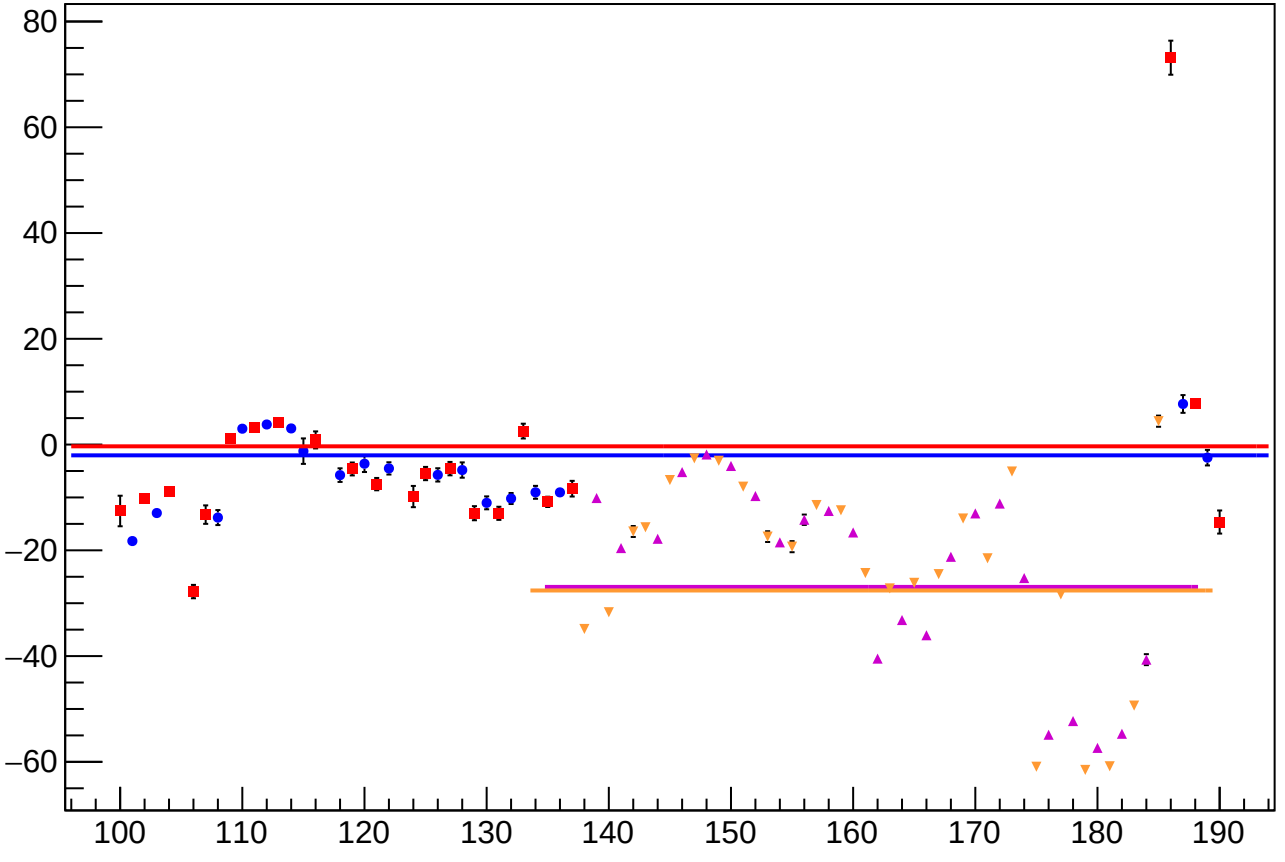
Right: 0.293+/-0.009 χ^2/NDF: 2228.4/39

In: 0.393+/-0.004 χ^2/NDF:5208.2/40

Out: 0.408+/-0.004 χ^2/NDF:4500.8/46

All: 0.400+/-0.003 χ^2/NDF: 9717.1/87

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.040+/-0.189 χ^2/NDF: 1525.0/17

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.334+/-0.166 χ^2/NDF: 2148.8/21

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

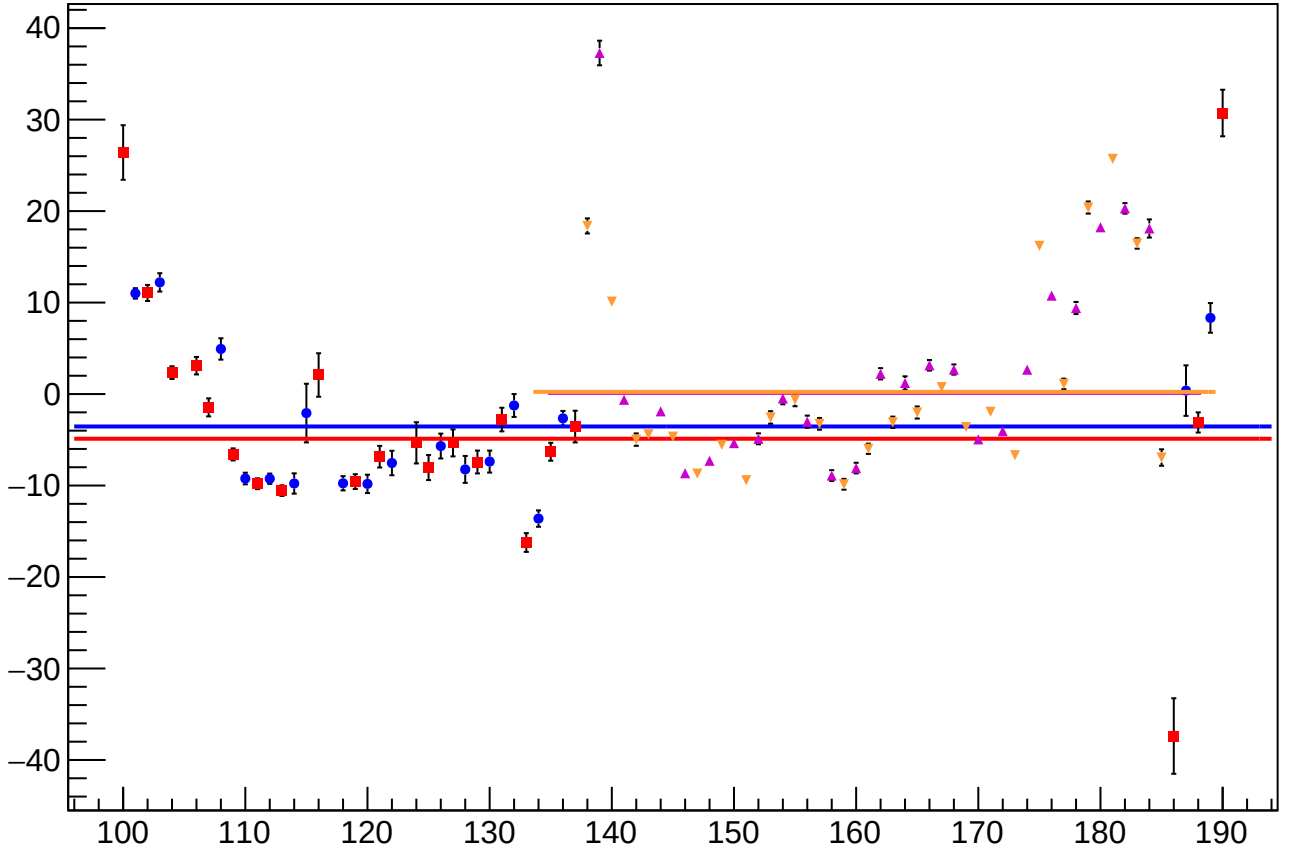
Right: -1.074+/-0.125 χ^2/NDF: 3719.7/39

In: -17.375+/-0.117 χ^2/NDF:27724.9/40

Out: -15.834+/-0.109 χ^2/NDF:37304.8/46

All: -16.548+/-0.080 χ^2/NDF: 65122.7/87

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.544+/-0.223 χ^2/NDF: 1482.4/17

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -4.884+/-0.214 χ^2/NDF: 1242.1/21

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

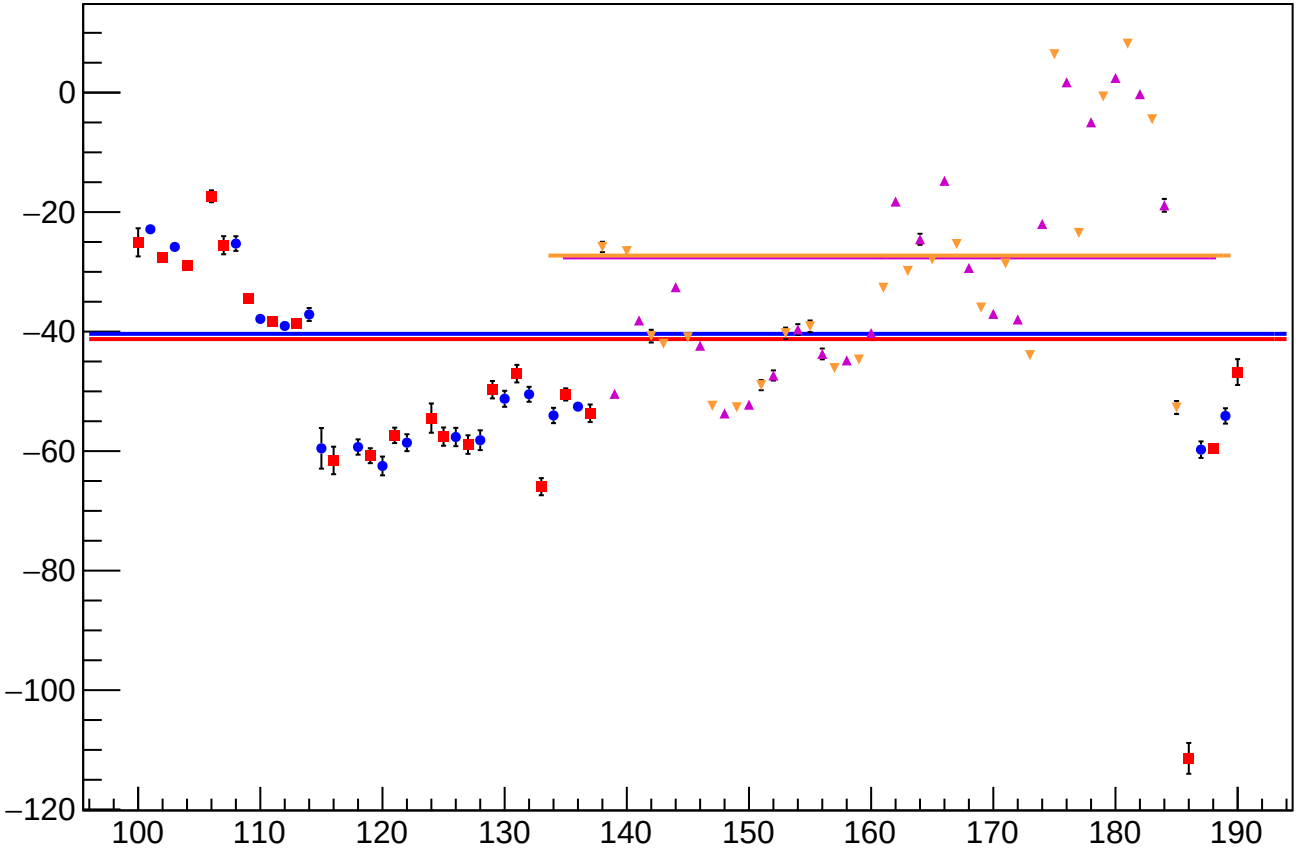
Right: -4.243+/-0.154 χ^2/NDF: 2743.3/39

In: -0.636+/-0.102 χ^2/NDF:7535.2/40

Out: -0.841+/-0.098 χ^2/NDF:9732.0/46

All: -0.743+/-0.071 χ^2/NDF: 17269.2/87

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -40.372+/-0.219 χ^2/NDF: 3287.1/17

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.253+/-0.200 χ^2/NDF: 4537.3/21

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

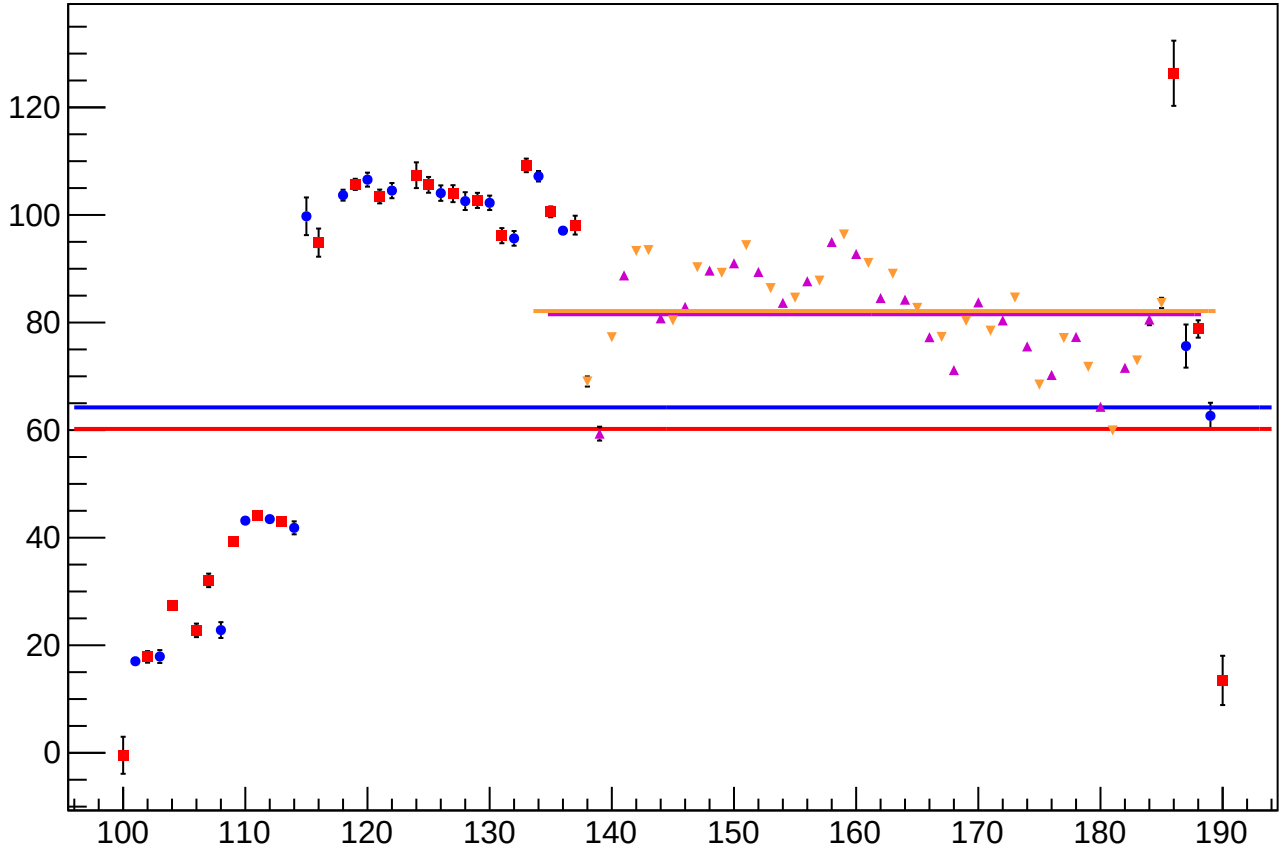
Right: -40.853+/-0.148 χ^2/NDF: 7833.2/39

In: -31.594+/-0.123 χ^2/NDF:21271.2/40

Out: -32.049+/-0.117 χ^2/NDF:26291.2/46

All: -31.833+/-0.085 χ^2/NDF: 47569.6/87

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.225+/-0.256 χ^2/NDF: 18604.9/17

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 60.220+/-0.245 χ^2/NDF: 17789.7/21

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

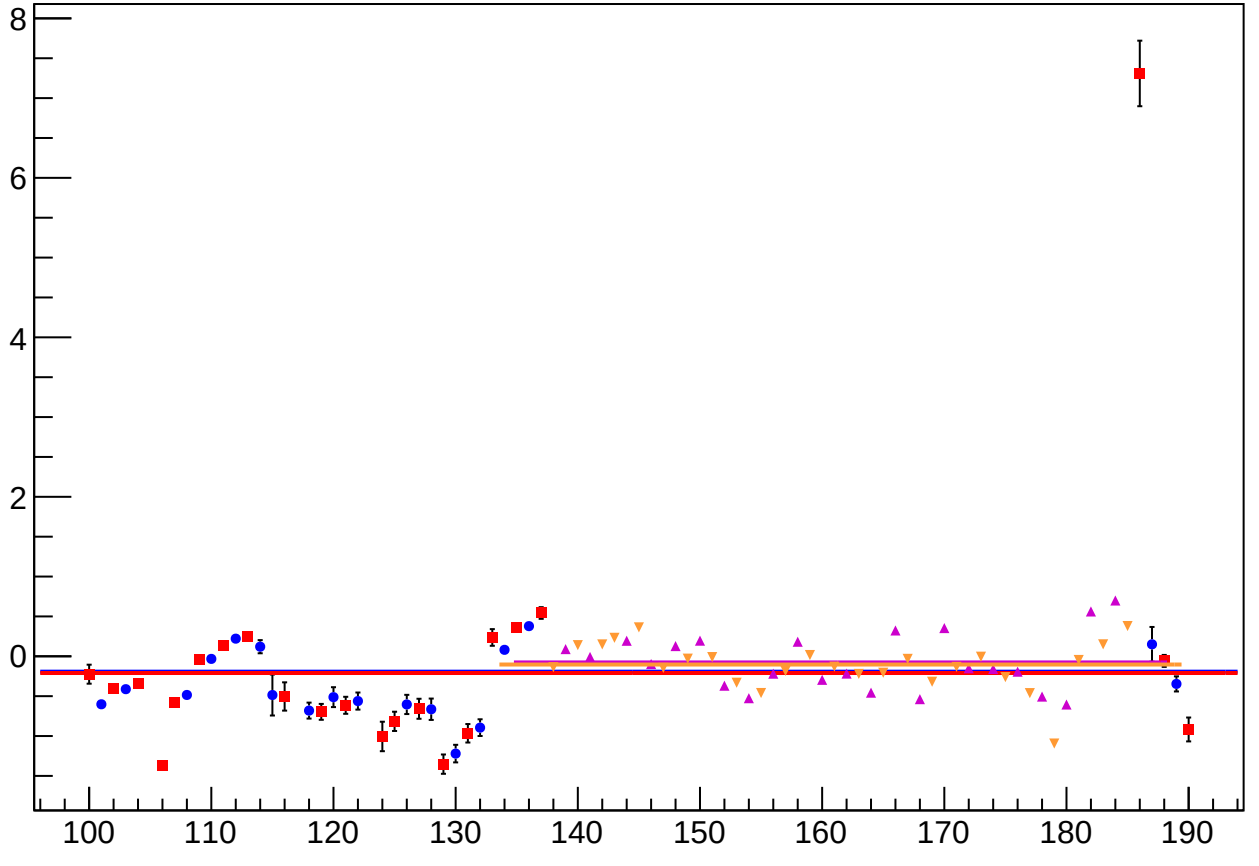
Right: 62.141+/-0.177 χ^2/NDF: 36522.4/39

In: 78.025+/-0.115 χ^2/NDF:26306.5/40

Out: 77.630+/-0.111 χ^2/NDF:29507.0/46

All: 77.821+/-0.080 χ^2/NDF: 55819.6/87

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.193+/-0.013 χ^2/NDF: 923.5/17

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.210+/-0.013 χ^2/NDF: 1729.5/21

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

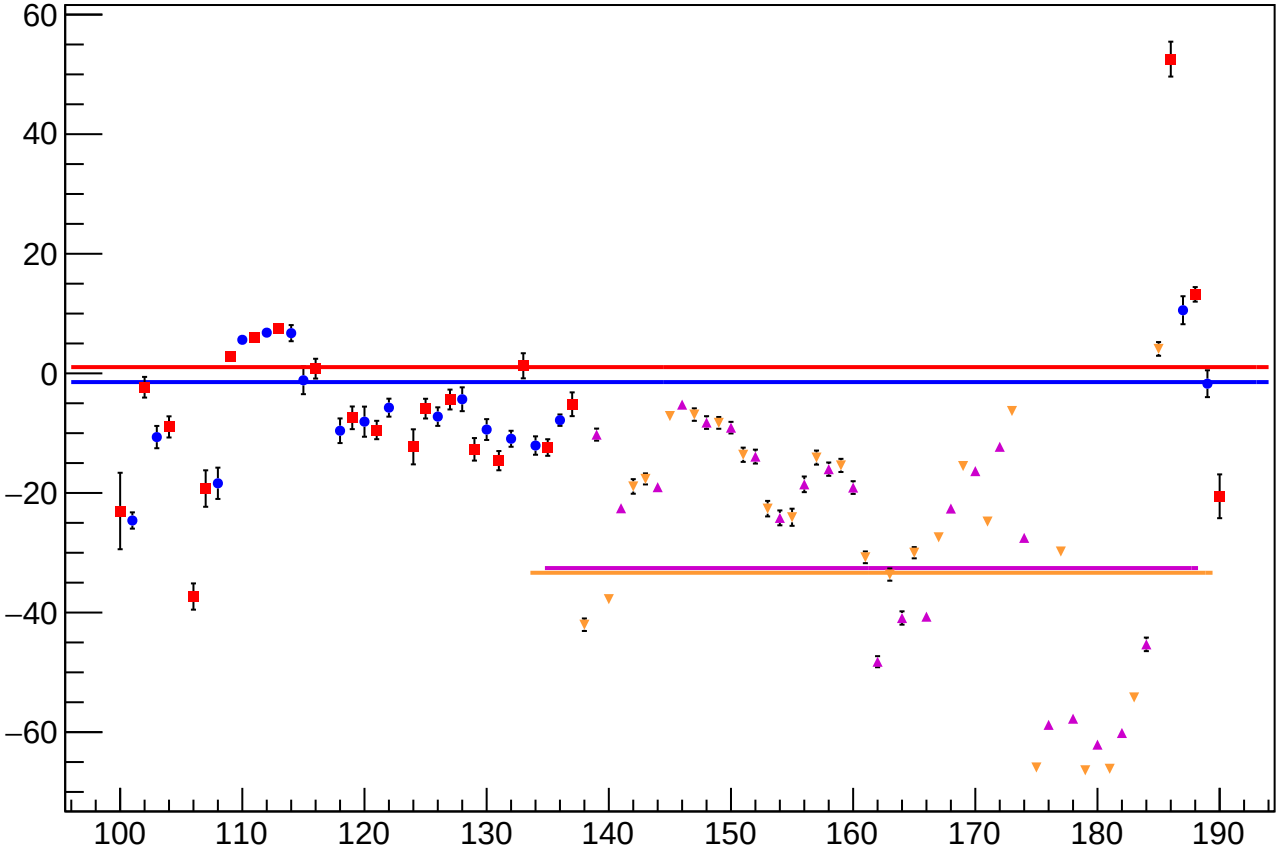
Right: -0.202+/-0.009 χ^2/NDF: 2653.8/39

In: -0.095+/-0.005 χ^2/NDF:4308.5/40

Out: -0.121+/-0.005 χ^2/NDF:4196.4/46

All: -0.108+/-0.004 χ^2/NDF: 8516.8/87

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.458+/-0.303 χ^2/NDF: 927.1/17

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 1.047+/-0.273 χ^2/NDF: 1389.7/21

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

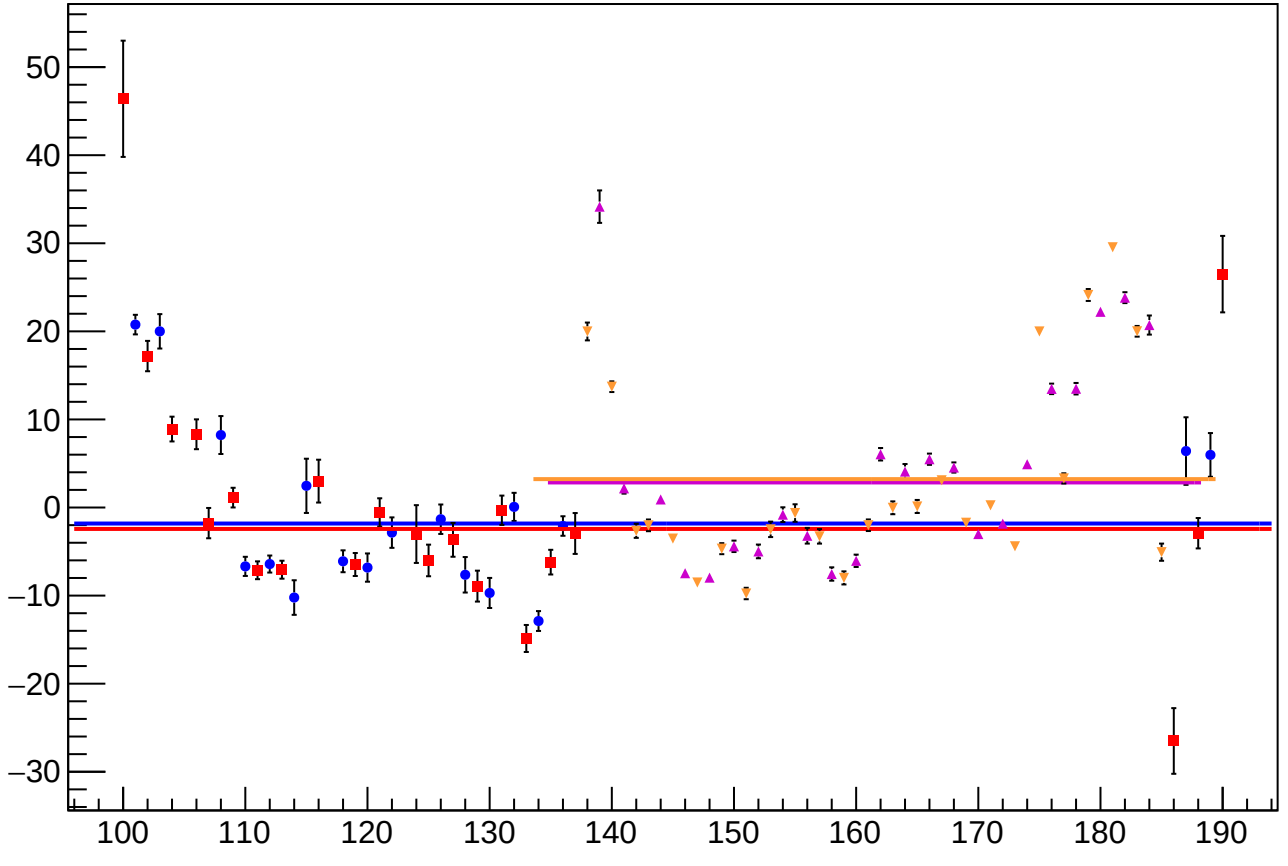
Right: -0.075+/-0.203 χ^2/NDF: 2354.6/39

In: -25.138+/-0.148 χ^2/NDF:22863.9/40

Out: -24.161+/-0.141 χ^2/NDF:31038.4/46

All: -24.626+/-0.102 χ^2/NDF: 53925.1/87

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.819+/-0.351 χ^2/NDF: 786.8/17

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -2.431+/-0.345 χ^2/NDF: 537.1/21

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

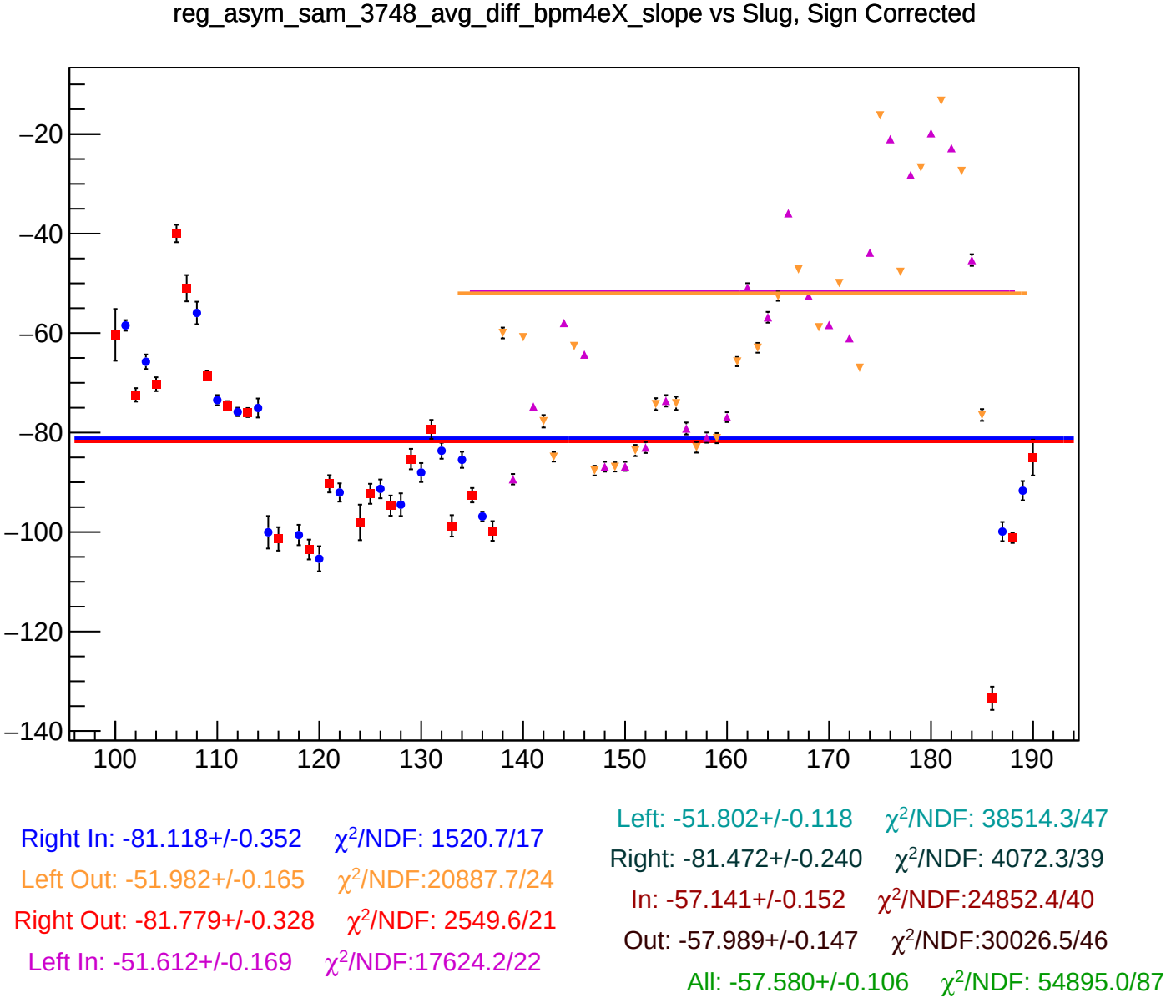
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

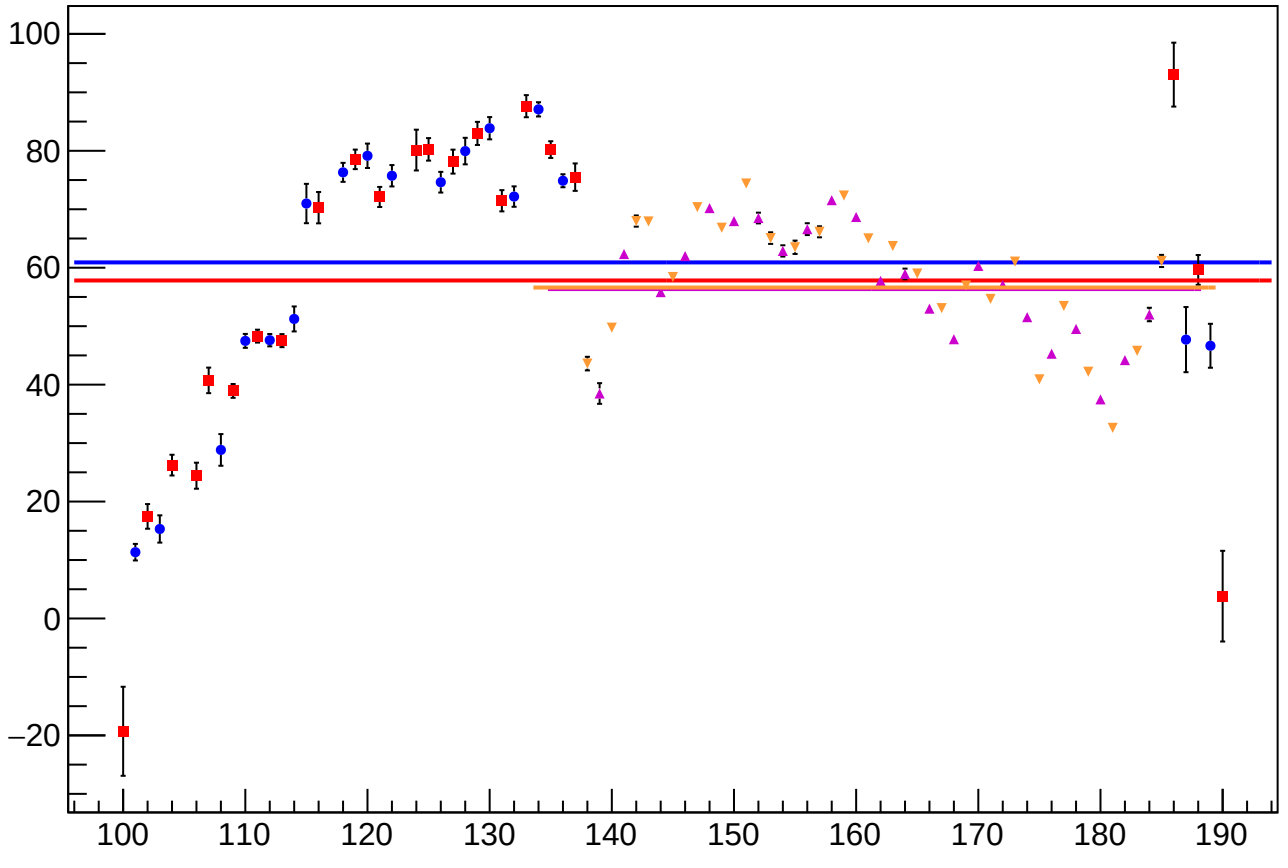
Right: -2.130+/-0.246 χ^2/NDF: 1325.5/39

In: 2.274+/-0.123 χ^2/NDF:6397.1/40

Out: 2.540+/-0.120 χ^2/NDF:8448.4/46

All: 2.410+/-0.086 χ^2/NDF: 14848.0/87


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: -81.118+/-0.352 χ²/NDF: 1520.7/17
Left Out: -51.982+/-0.165 χ²/NDF:20887.7/24
Right Out: -81.779+/-0.328 χ²/NDF: 2549.6/21
Left In: -51.612+/-0.169 χ²/NDF:17624.2/22
Left: -51.802+/-0.118 χ²/NDF: 38514.3/47
Right: -81.472+/-0.240 χ²/NDF: 4072.3/39
In: -57.141+/-0.152 χ²/NDF:24852.4/40
Out: -57.989+/-0.147 χ²/NDF:30026.5/46
All: -57.580+/-0.106 χ²/NDF: 54895.0/87



Right In: 60.909+/-0.397 χ^2/NDF: 3249.6/17

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.817+/-0.394 χ^2/NDF: 2866.1/21

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

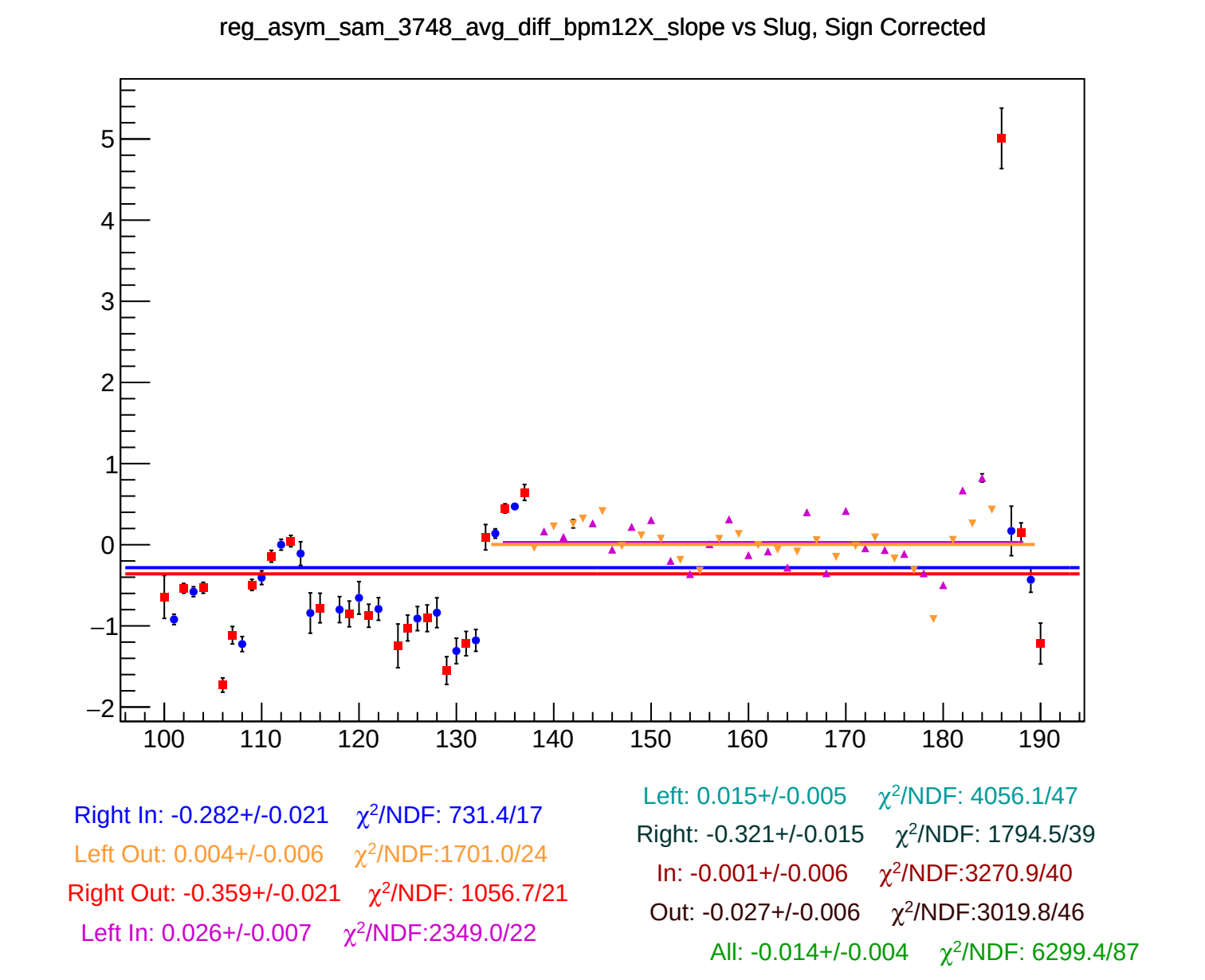
Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

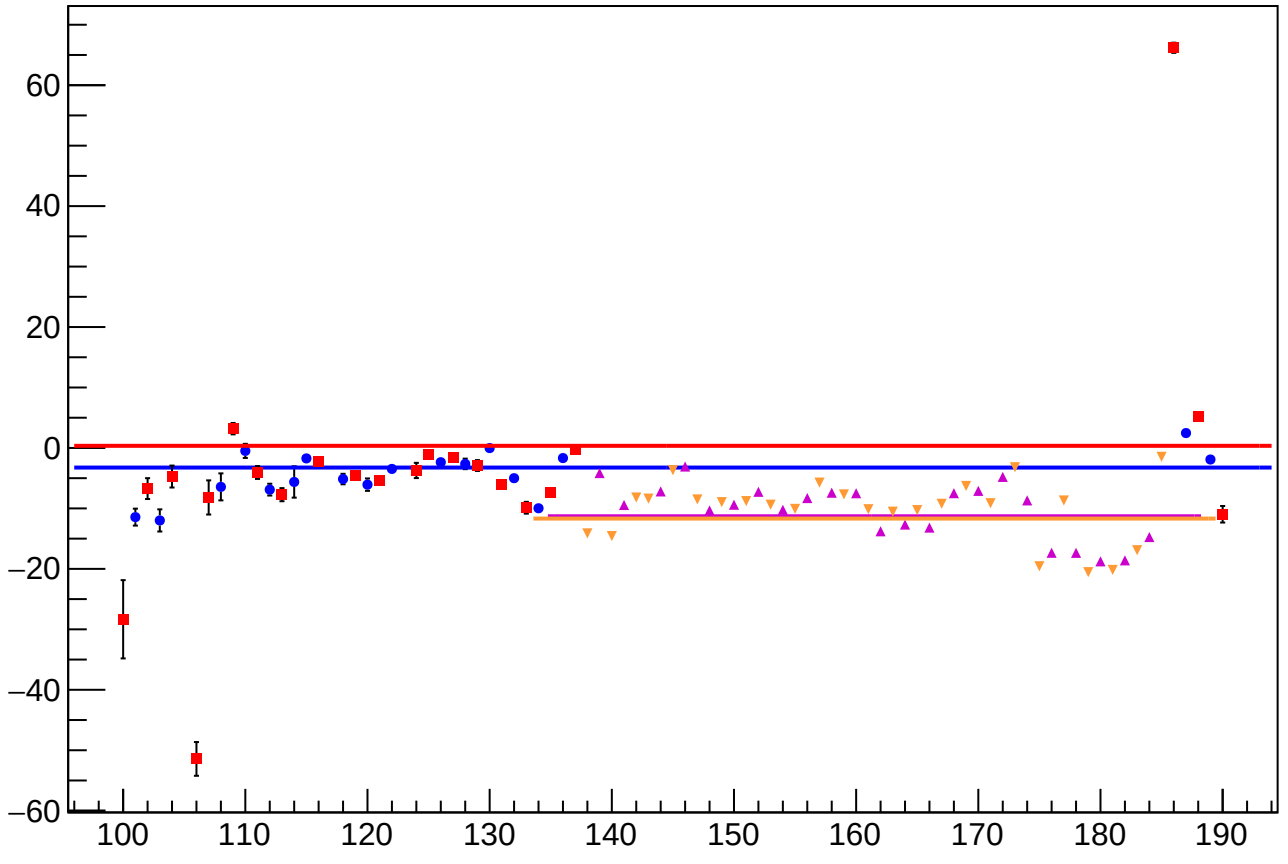
Right: 59.349+/-0.280 χ^2/NDF: 6146.3/39

In: 56.900+/-0.138 χ^2/NDF:7334.2/40

Out: 56.754+/-0.135 χ^2/NDF:8540.5/46

All: 56.825+/-0.097 χ^2/NDF: 15875.3/87


reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.282+/-0.021 χ²/NDF: 731.4/17
Left Out: 0.004+/-0.006 χ²/NDF:1701.0/24
Right Out: -0.359+/-0.021 χ²/NDF: 1056.7/21
Left In: 0.026+/-0.007 χ²/NDF:2349.0/22
Left: 0.015+/-0.005 χ²/NDF: 4056.1/47
Right: -0.321+/-0.015 χ²/NDF: 1794.5/39
In: -0.001+/-0.006 χ²/NDF:3270.9/40
Out: -0.027+/-0.006 χ²/NDF:3019.8/46
All: -0.014+/-0.004 χ²/NDF: 6299.4/87



Right In: -3.242+/-0.179 χ^2/NDF: 291.7/17

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: 0.353+/-0.175 χ^2/NDF: 7355.0/21

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

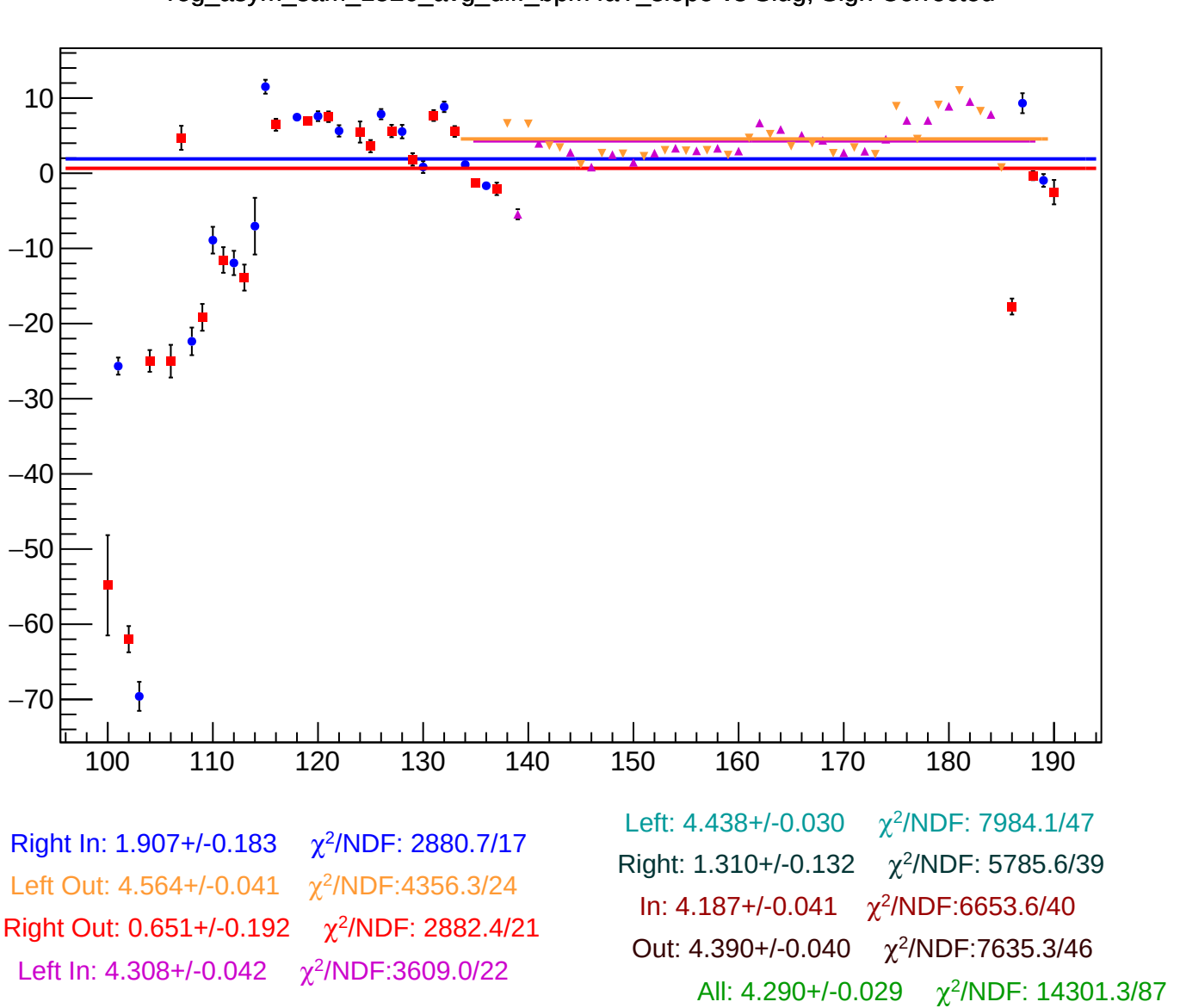
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

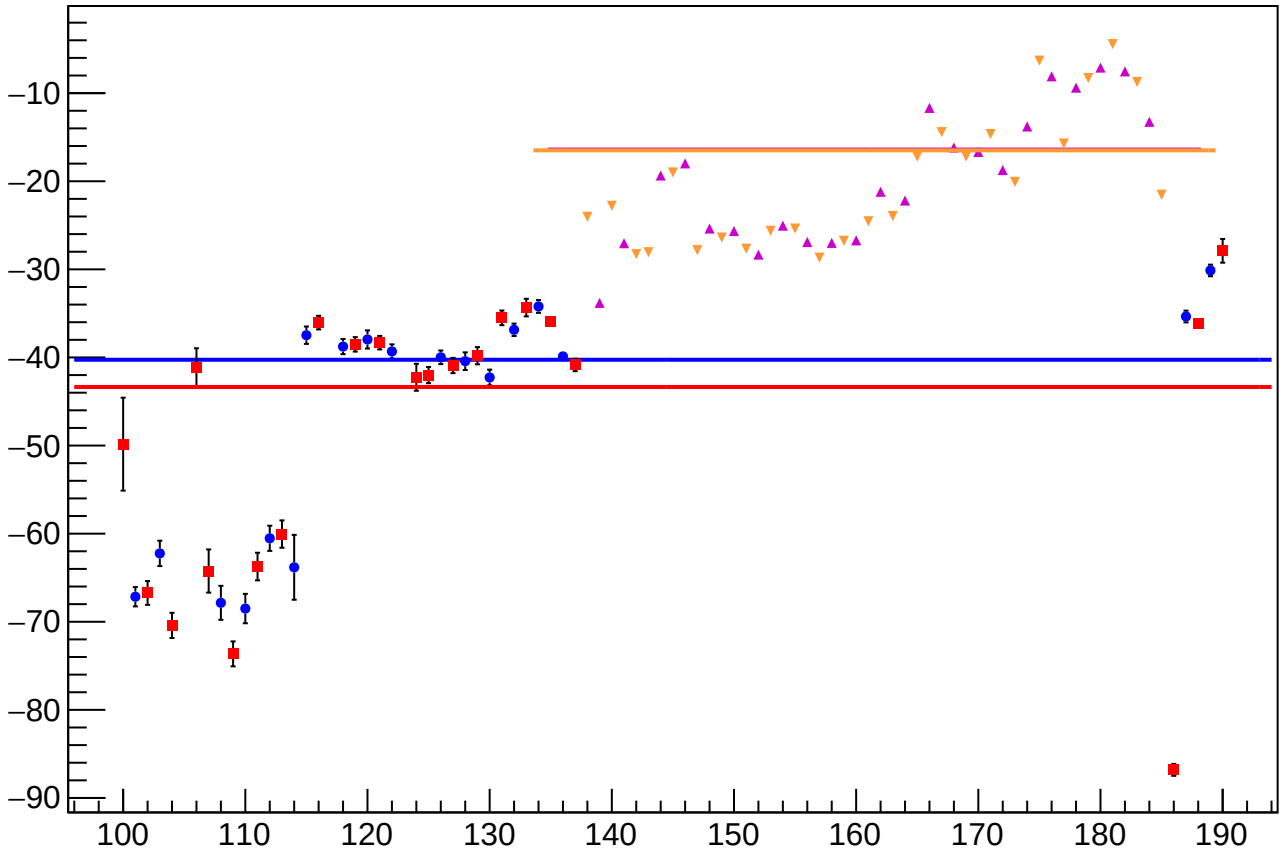
Right: -1.406+/-0.125 χ^2/NDF: 7852.8/39

In: -10.630+/-0.052 χ^2/NDF:11378.3/40

Out: -10.683+/-0.050 χ^2/NDF:24285.7/46

All: -10.657+/-0.036 χ^2/NDF: 35664.5/87


reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
190
Right In: 1.907+/-0.183 χ²/NDF: 2880.7/17
Left Out: 4.564+/-0.041 χ²/NDF:4356.3/24
Right Out: 0.651+/-0.192 χ²/NDF: 2882.4/21
Left In: 4.308+/-0.042 χ²/NDF:3609.0/22
Left: 4.438+/-0.030 χ²/NDF: 7984.1/47
Right: 1.310+/-0.132 χ²/NDF: 5785.6/39
In: 4.187+/-0.041 χ²/NDF:6653.6/40
Out: 4.390+/-0.040 χ²/NDF:7635.3/46
All: 4.290+/-0.029 χ²/NDF: 14301.3/87



Right In: -40.259+/-0.190 χ^2/NDF: 1978.4/17

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -43.351+/-0.181 χ^2/NDF: 6723.5/21

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

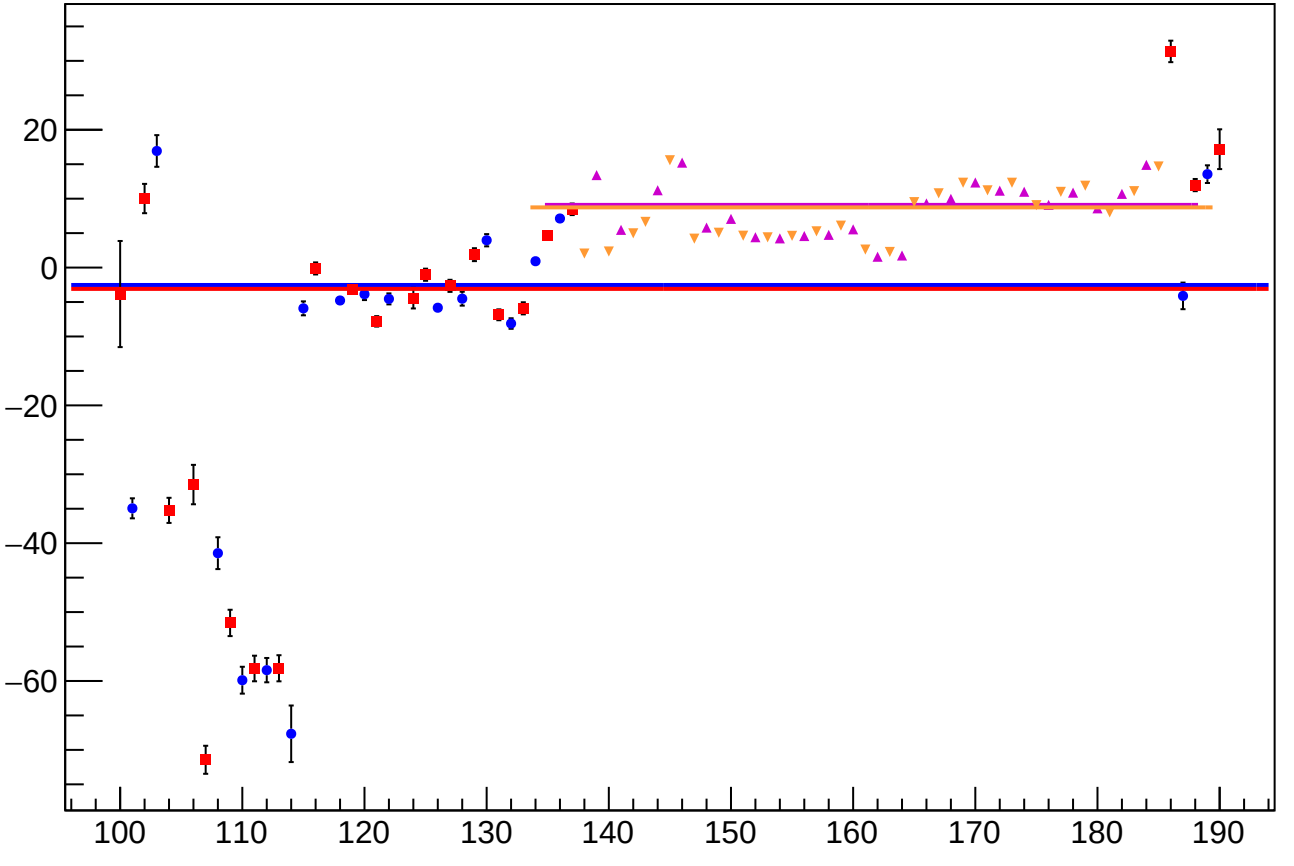
Right: -41.875+/-0.131 χ^2/NDF: 8840.6/39

In: -18.185+/-0.052 χ^2/NDF:34637.2/40

Out: -18.590+/-0.051 χ^2/NDF:48926.9/46

All: -18.392+/-0.036 χ^2/NDF: 83595.2/87

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.526+/-0.206 χ^2/NDF: 3887.1/17

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -3.094+/-0.221 χ^2/NDF: 5273.3/21

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

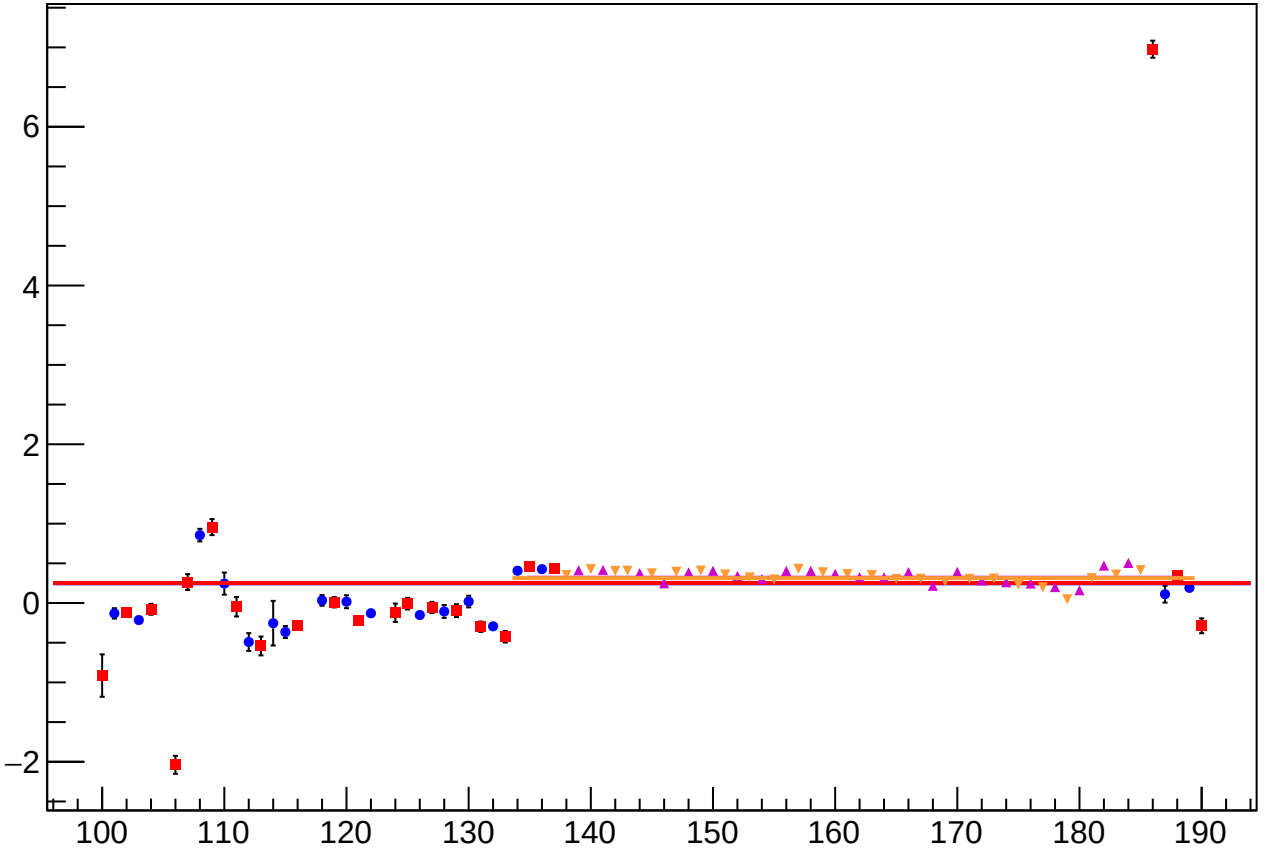
Right: -2.789+/-0.151 χ^2/NDF: 9163.9/39

In: 8.518+/-0.046 χ^2/NDF:12658.8/40

Out: 8.241+/-0.045 χ^2/NDF:14886.2/46

All: 8.377+/-0.032 χ^2/NDF: 27563.5/87

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.249+/-0.011 χ^2/NDF: 633.9/17

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.252+/-0.013 χ^2/NDF: 5022.4/21

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

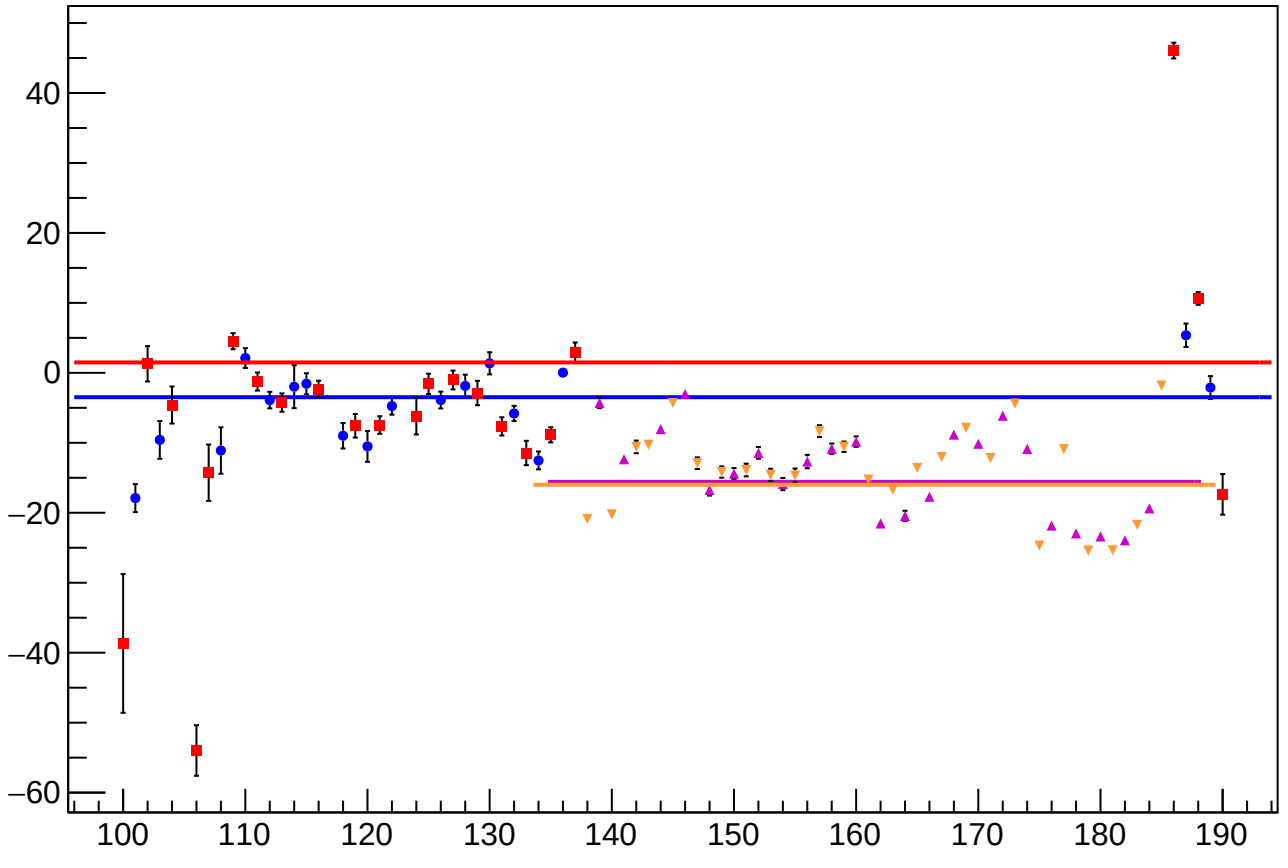
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.250+/-0.008 χ^2/NDF: 5656.3/39

In: 0.316+/-0.002 χ^2/NDF:2459.8/40

Out: 0.312+/-0.002 χ^2/NDF:6648.1/46

All: 0.314+/-0.001 χ^2/NDF: 9109.7/87



Right In: -3.482+/-0.332 χ^2/NDF: 219.2/17

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 1.487+/-0.317 χ^2/NDF: 2314.5/21

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

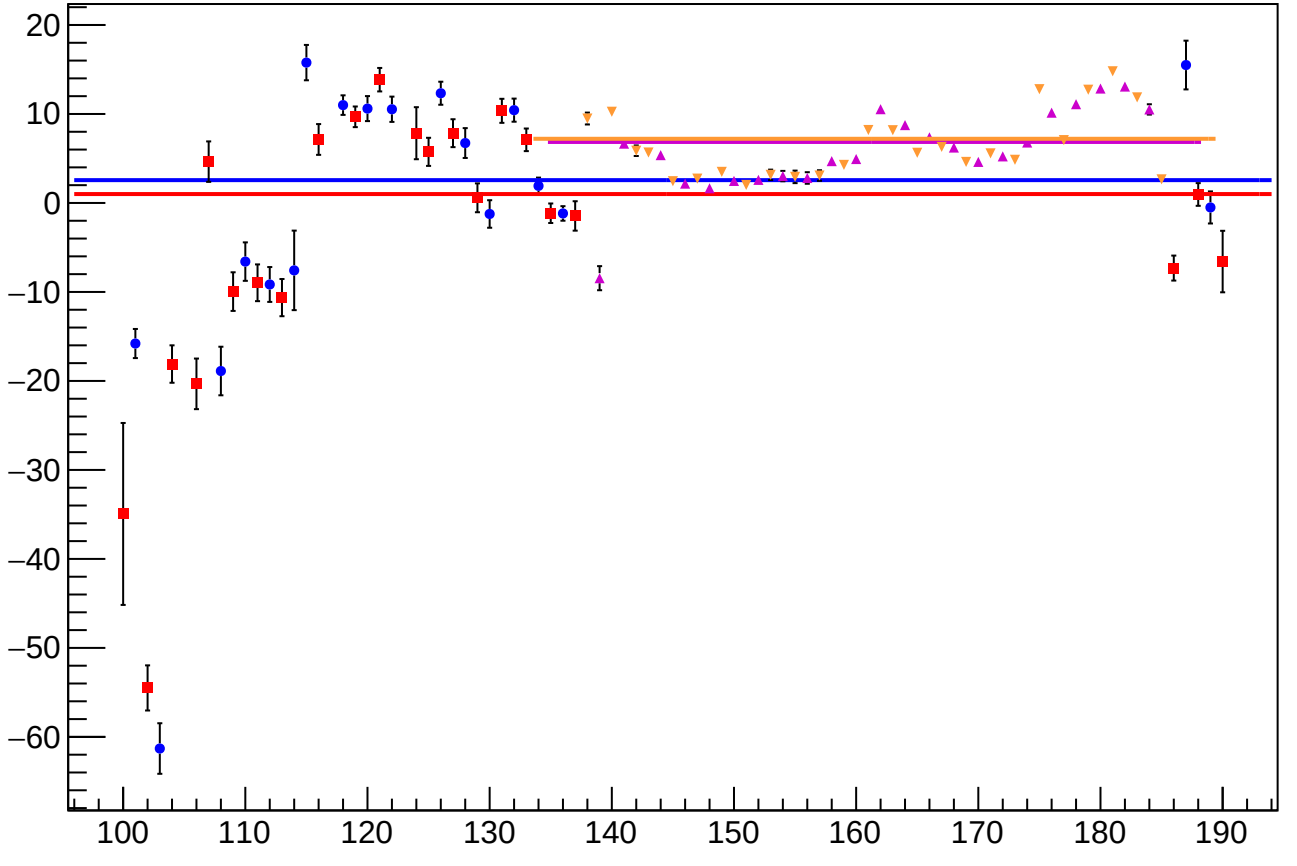
Right: -0.883+/-0.229 χ^2/NDF: 2651.1/39

In: -14.537+/-0.097 χ^2/NDF:6194.5/40

Out: -14.433+/-0.095 χ^2/NDF:11053.0/46

All: -14.484+/-0.068 χ^2/NDF: 17248.1/87

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.565+/-0.347 χ^2/NDF: 1072.0/17

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.000+/-0.355 χ^2/NDF: 1026.6/21

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

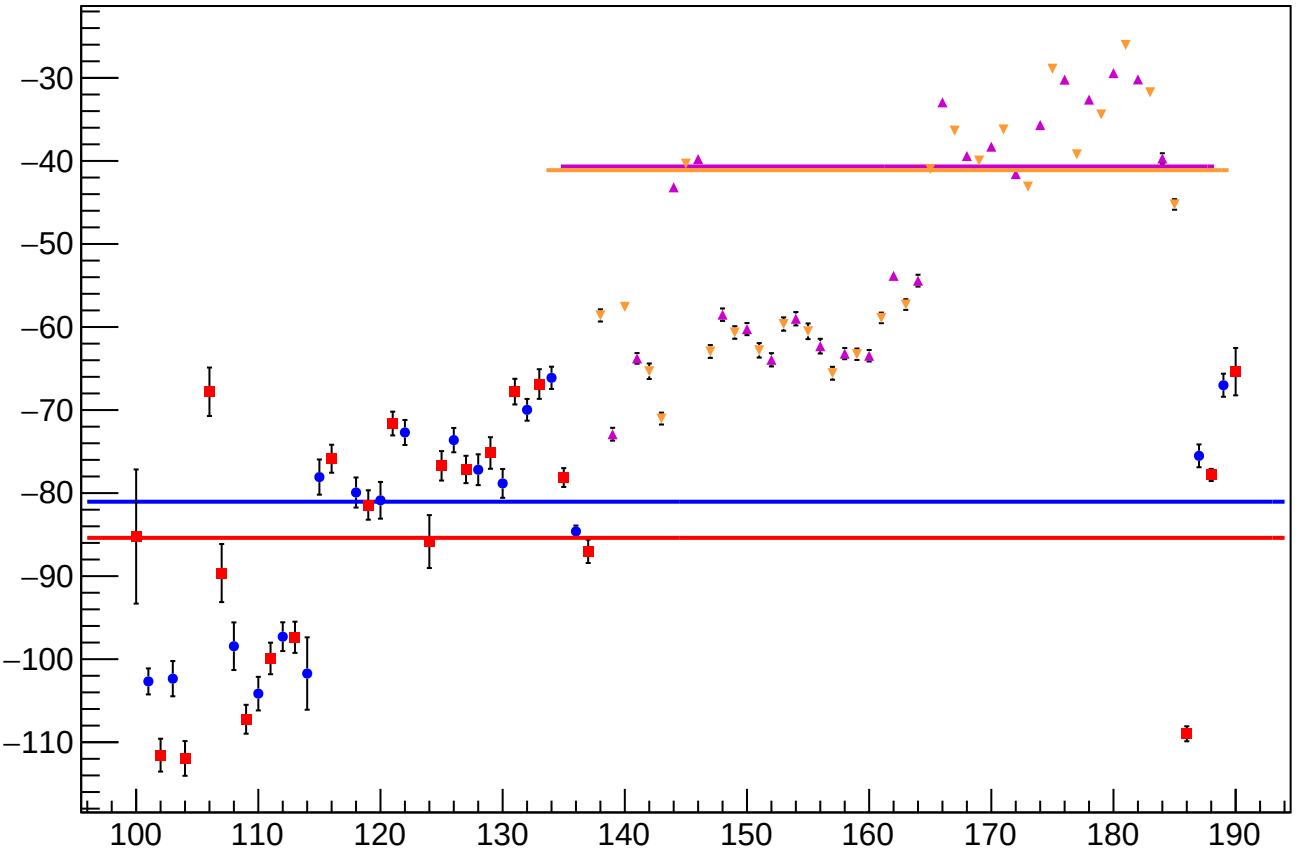
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.801+/-0.248 χ^2/NDF: 2108.5/39

In: 6.634+/-0.079 χ^2/NDF:3373.3/40

Out: 6.912+/-0.078 χ^2/NDF:3773.1/46

All: 6.775+/-0.056 χ^2/NDF: 7152.7/87



Right In: -81.038+/-0.358 χ^2/NDF: 972.1/17

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -85.389+/-0.333 χ^2/NDF: 1954.9/21

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

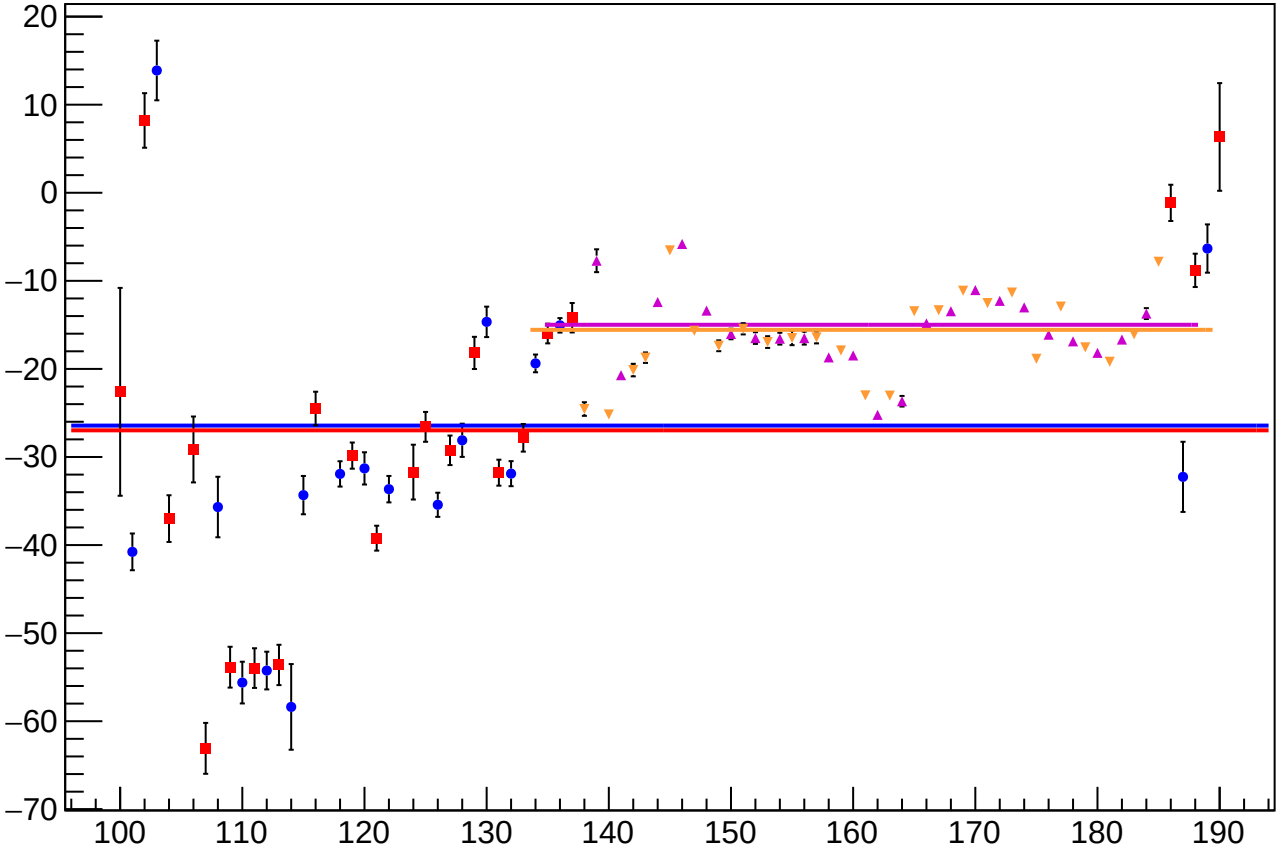
Right: -83.371+/-0.244 χ^2/NDF: 3006.4/39

In: -43.714+/-0.098 χ^2/NDF:26293.2/40

Out: -44.782+/-0.096 χ^2/NDF:34209.5/46

All: -44.262+/-0.069 χ^2/NDF: 60563.3/87

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.435+/-0.390 χ^2/NDF: 1020.2/17

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -26.974+/-0.411 χ^2/NDF: 1267.0/21

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

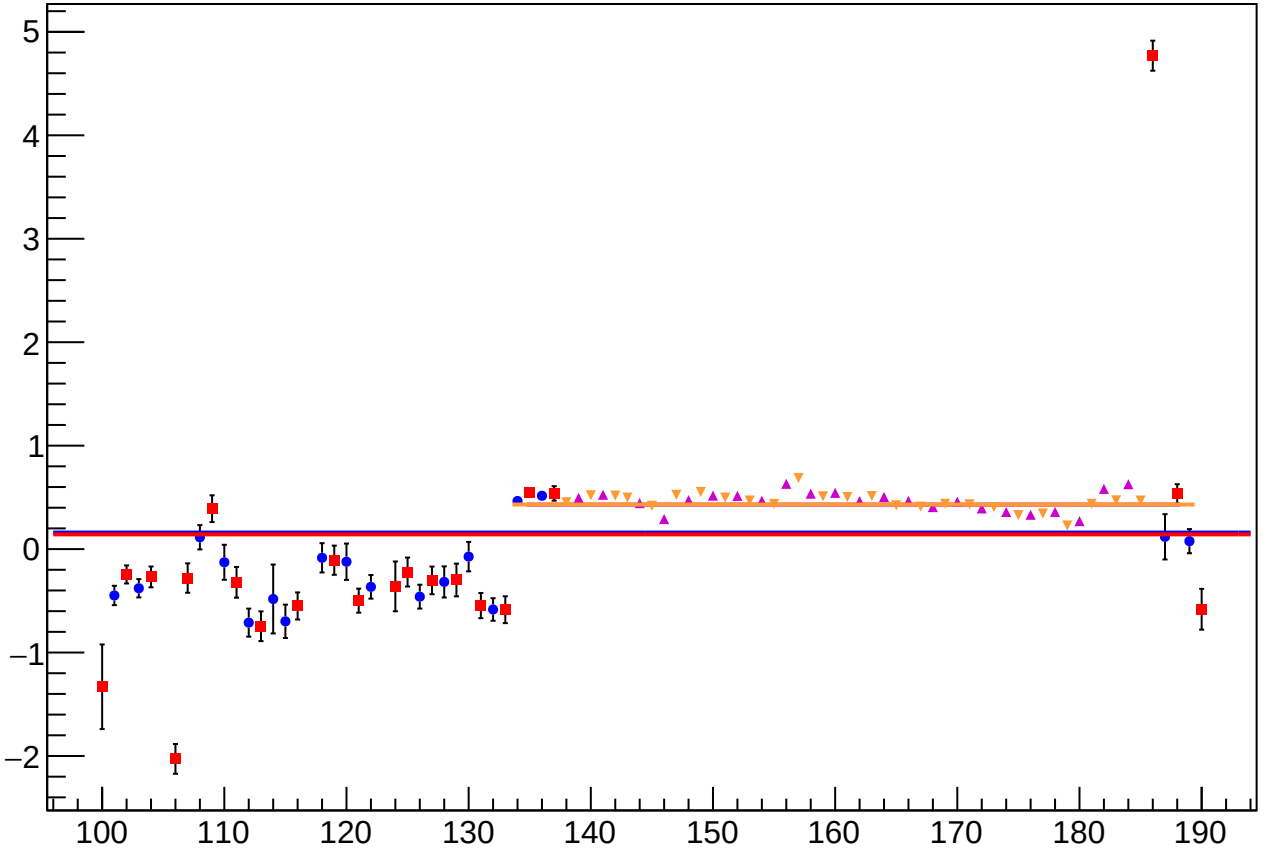
Right: -26.690+/-0.283 χ^2/NDF: 2288.1/39

In: -15.573+/-0.088 χ^2/NDF:3989.9/40

Out: -16.072+/-0.087 χ^2/NDF:4553.4/46

All: -15.826+/-0.062 χ^2/NDF: 8559.6/87

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.160+/-0.021 χ^2/NDF: 423.1/17

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.142+/-0.023 χ^2/NDF: 1654.5/21

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

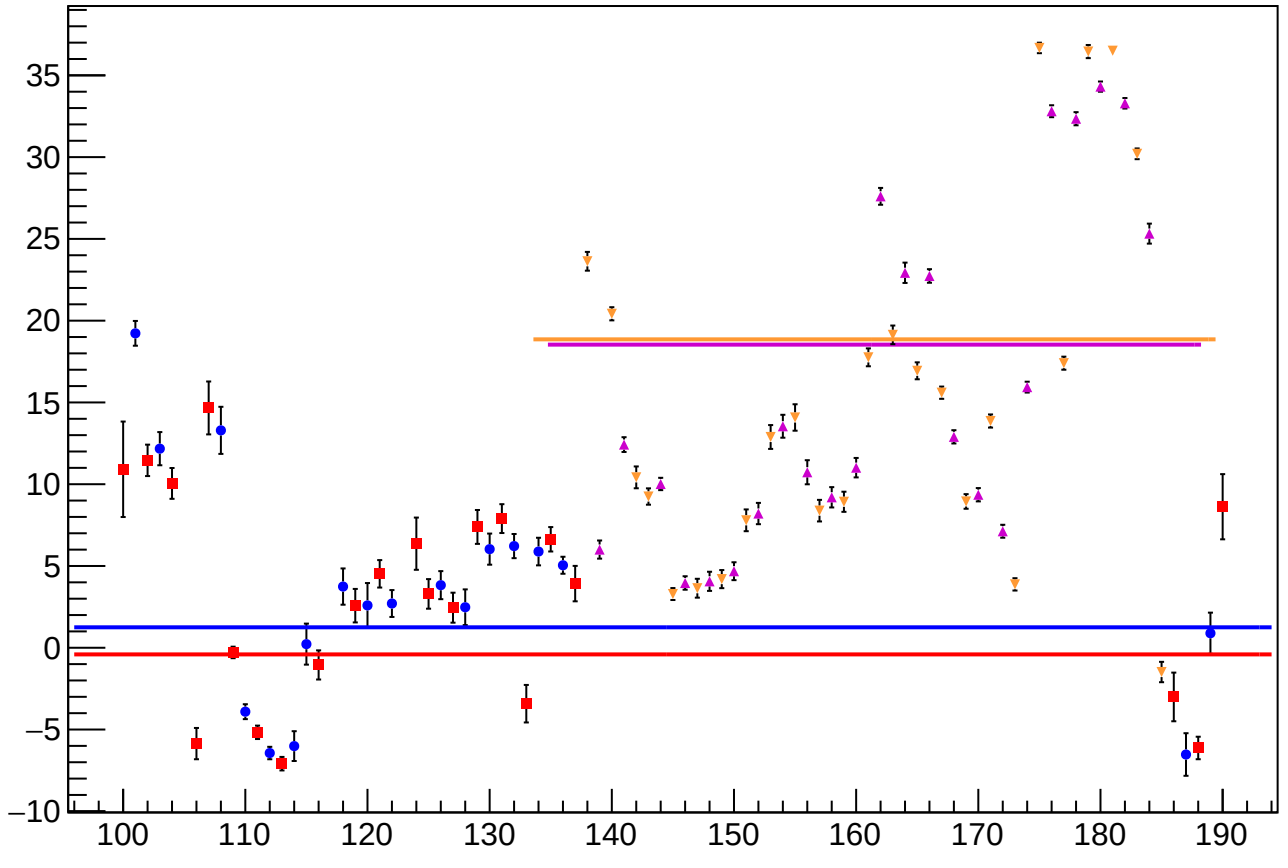
Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

Right: 0.152+/-0.016 χ^2/NDF: 2078.0/39

In: 0.420+/-0.004 χ^2/NDF:1167.3/40

Out: 0.422+/-0.004 χ^2/NDF:2223.7/46

All: 0.421+/-0.003 χ^2/NDF: 3391.1/87



Right In: 1.250+/-0.179 χ^2/NDF: 1558.7/17

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: -0.406+/-0.161 χ^2/NDF: 1243.3/21

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

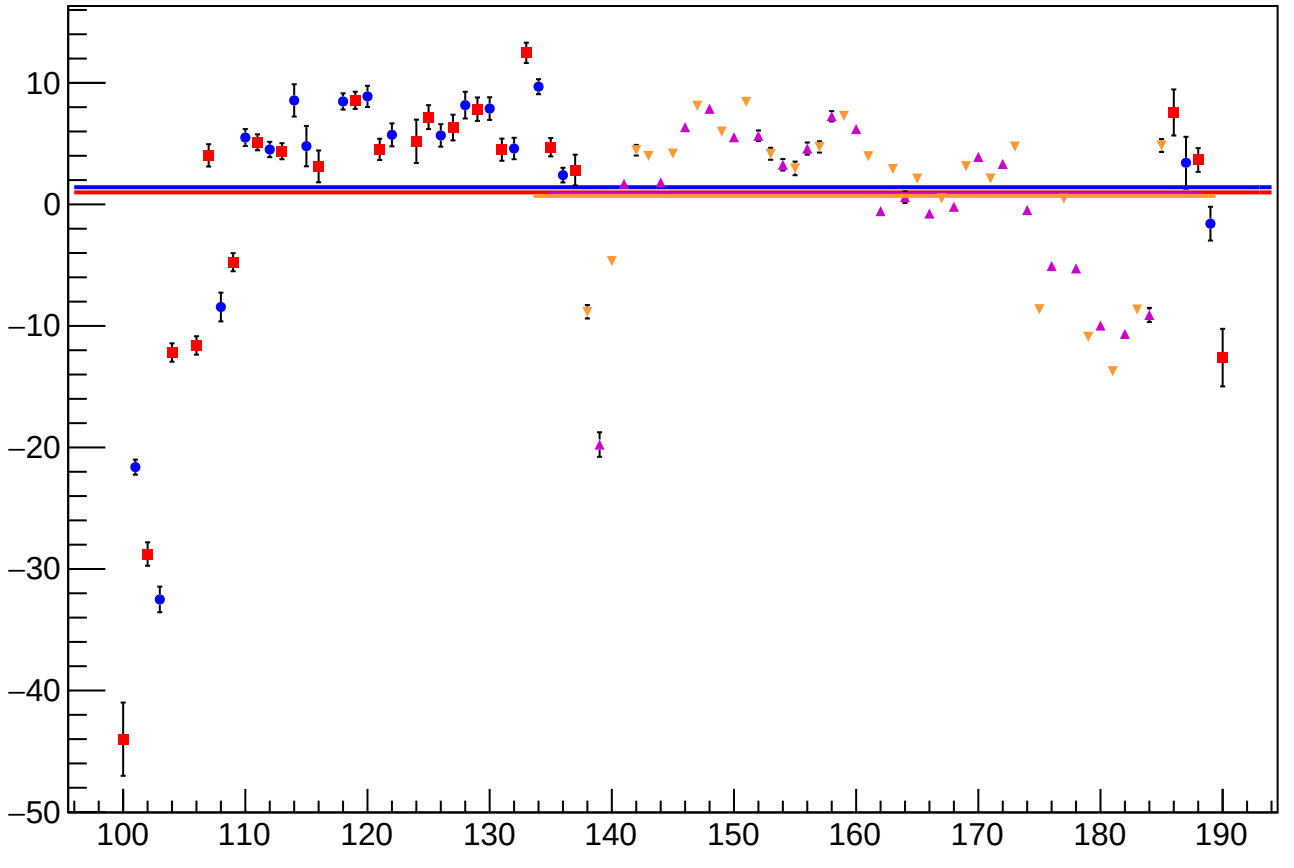
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.333+/-0.120 χ^2/NDF: 2849.1/39

In: 14.862+/-0.083 χ^2/NDF:22929.1/40

Out: 14.247+/-0.079 χ^2/NDF:30485.2/46

All: 14.539+/-0.057 χ^2/NDF: 53443.3/87



Right In: 1.413+/-0.200 χ^2/NDF: 3085.8/17

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.986+/-0.196 χ^2/NDF: 2429.7/21

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

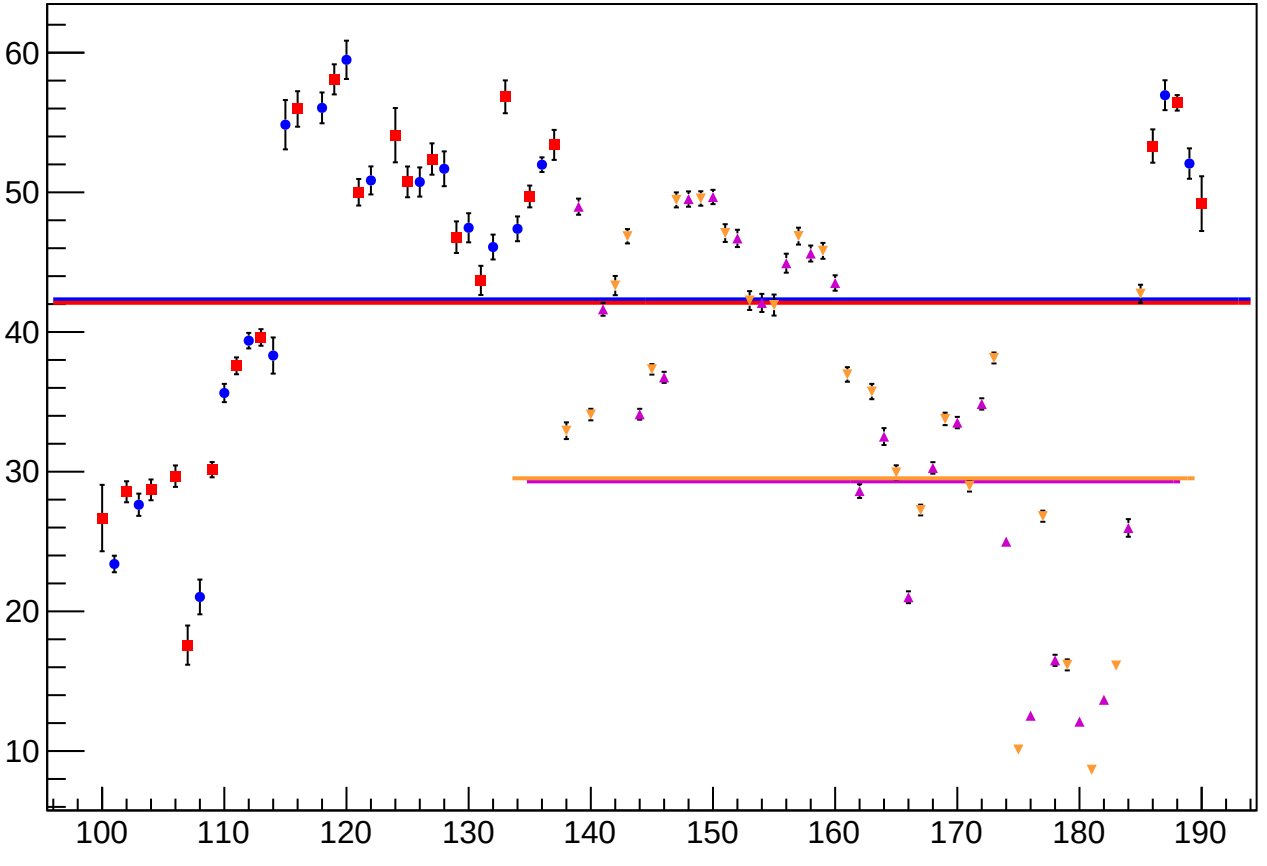
Right: 1.195+/-0.140 χ^2/NDF: 5517.9/39

In: 0.912+/-0.068 χ^2/NDF:9138.3/40

Out: 0.735+/-0.066 χ^2/NDF:10669.4/46

All: 0.821+/-0.048 χ^2/NDF: 19811.1/87

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.337+/-0.203 χ^2/NDF: 3031.9/17

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.094+/-0.187 χ^2/NDF: 3548.9/21

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

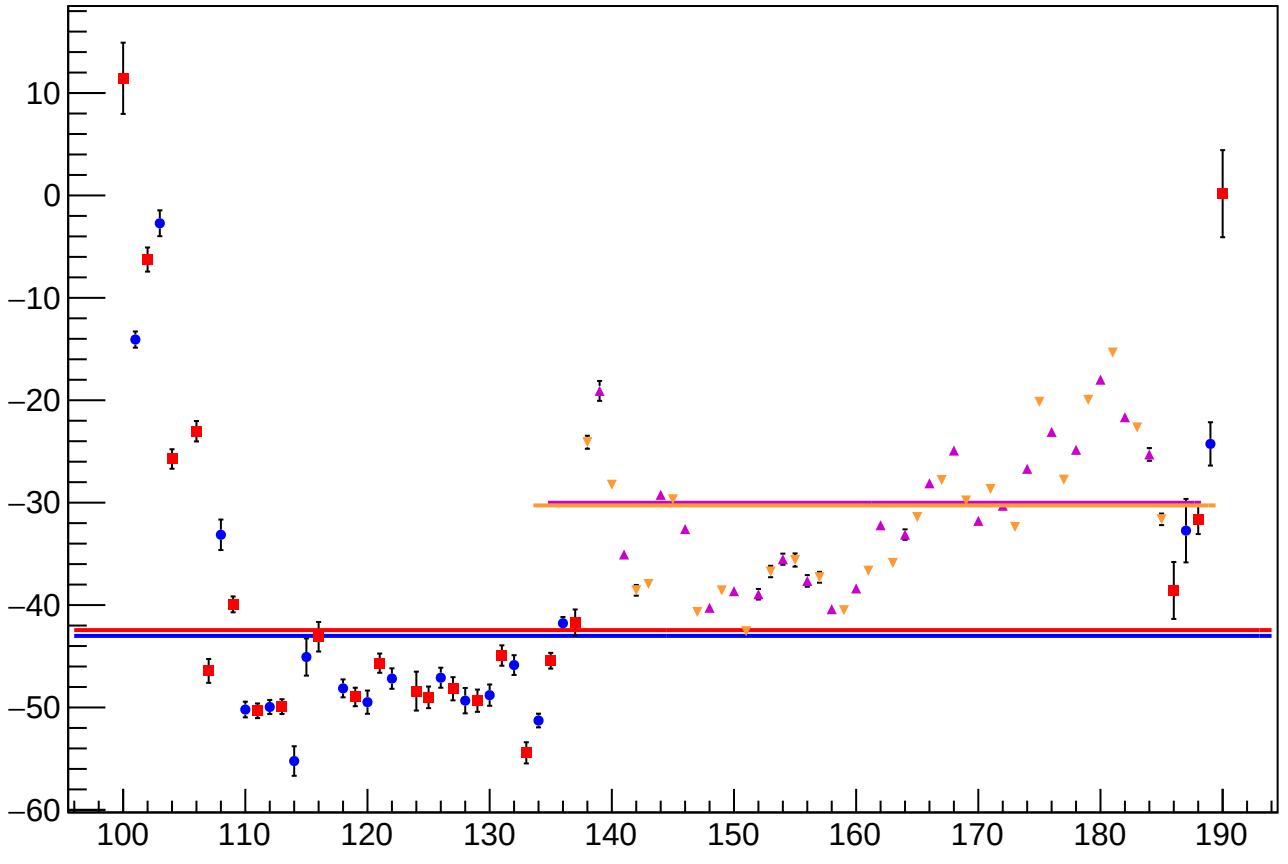
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 42.206+/-0.138 χ^2/NDF: 6581.6/39

In: 31.569+/-0.085 χ^2/NDF:24305.8/40

Out: 31.908+/-0.082 χ^2/NDF:28280.8/46

All: 31.745+/-0.059 χ^2/NDF: 52594.9/87



Right In: -43.009+/-0.227 χ^2/NDF: 3076.1/17

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.444+/-0.225 χ^2/NDF: 2616.3/21

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

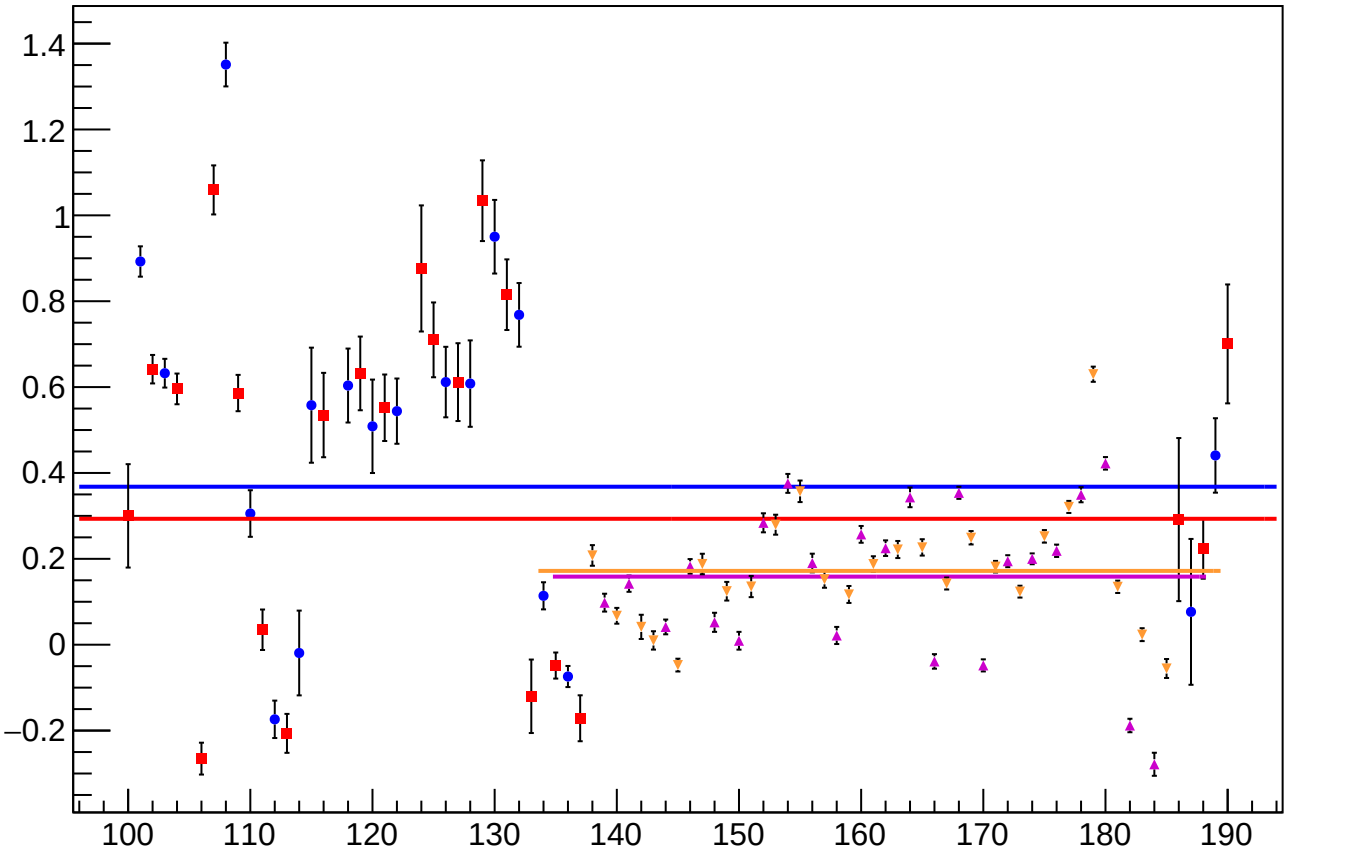
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

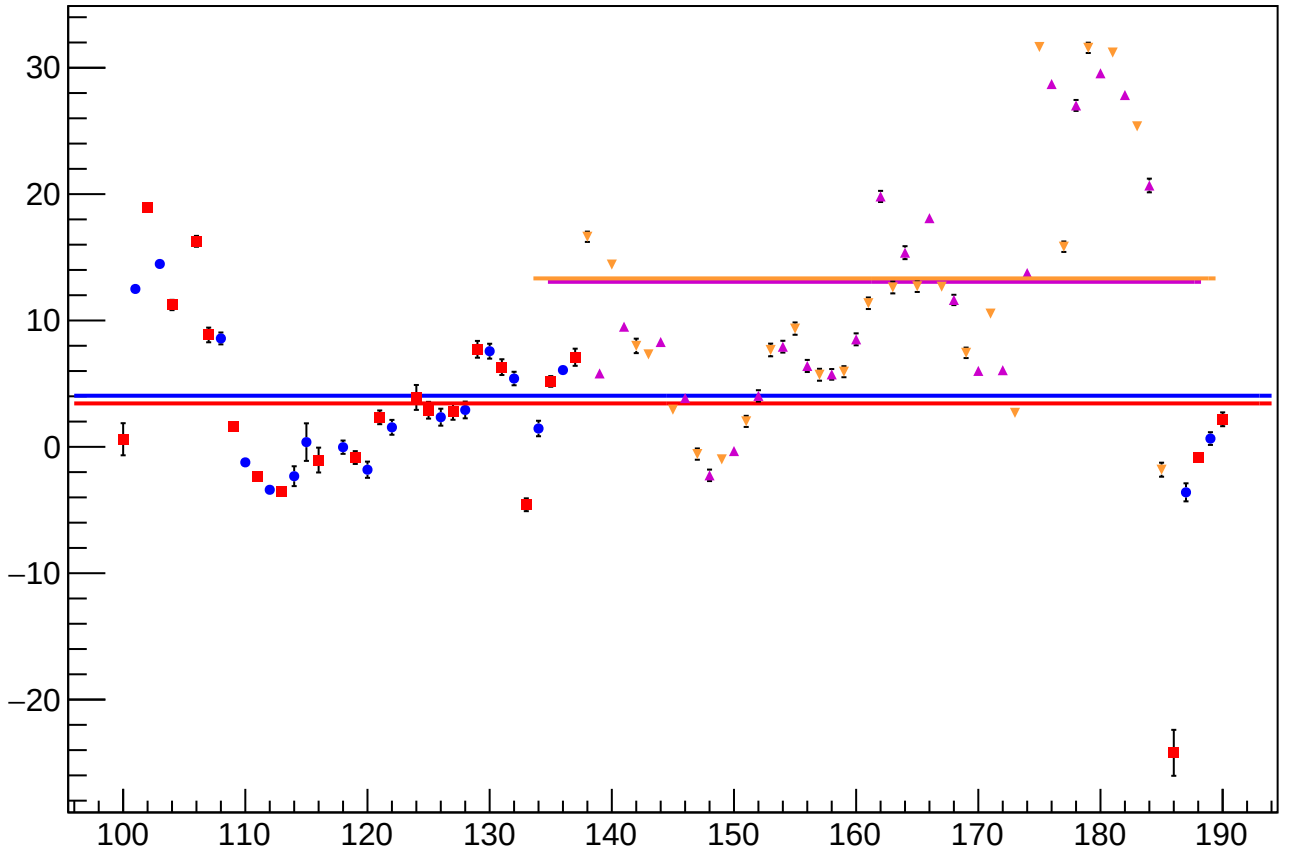
Right: -42.724+/-0.160 χ^2/NDF: 5695.5/39

In: -31.485+/-0.077 χ^2/NDF:12056.0/40

Out: -31.611+/-0.075 χ^2/NDF:13719.0/46

All: -31.549+/-0.053 χ^2/NDF: 25776.4/87


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.368+/-0.012 χ²/NDF: 1324.5/17
Left Out: 0.172+/-0.004 χ²/NDF:1501.3/24
Right Out: 0.293+/-0.012 χ²/NDF: 1208.9/21
Left In: 0.159+/-0.004 χ²/NDF:2187.4/22
Left: 0.165+/-0.003 χ²/NDF: 3695.7/47
Right: 0.330+/-0.008 χ²/NDF: 2553.0/39
In: 0.176+/-0.003 χ²/NDF:3788.7/40
Out: 0.182+/-0.003 χ²/NDF:2806.3/46
All: 0.179+/-0.002 χ²/NDF: 6596.5/87



Right In: 4.046+/-0.112 χ^2/NDF: 2793.2/17

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.437+/-0.099 χ^2/NDF: 4787.2/21

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

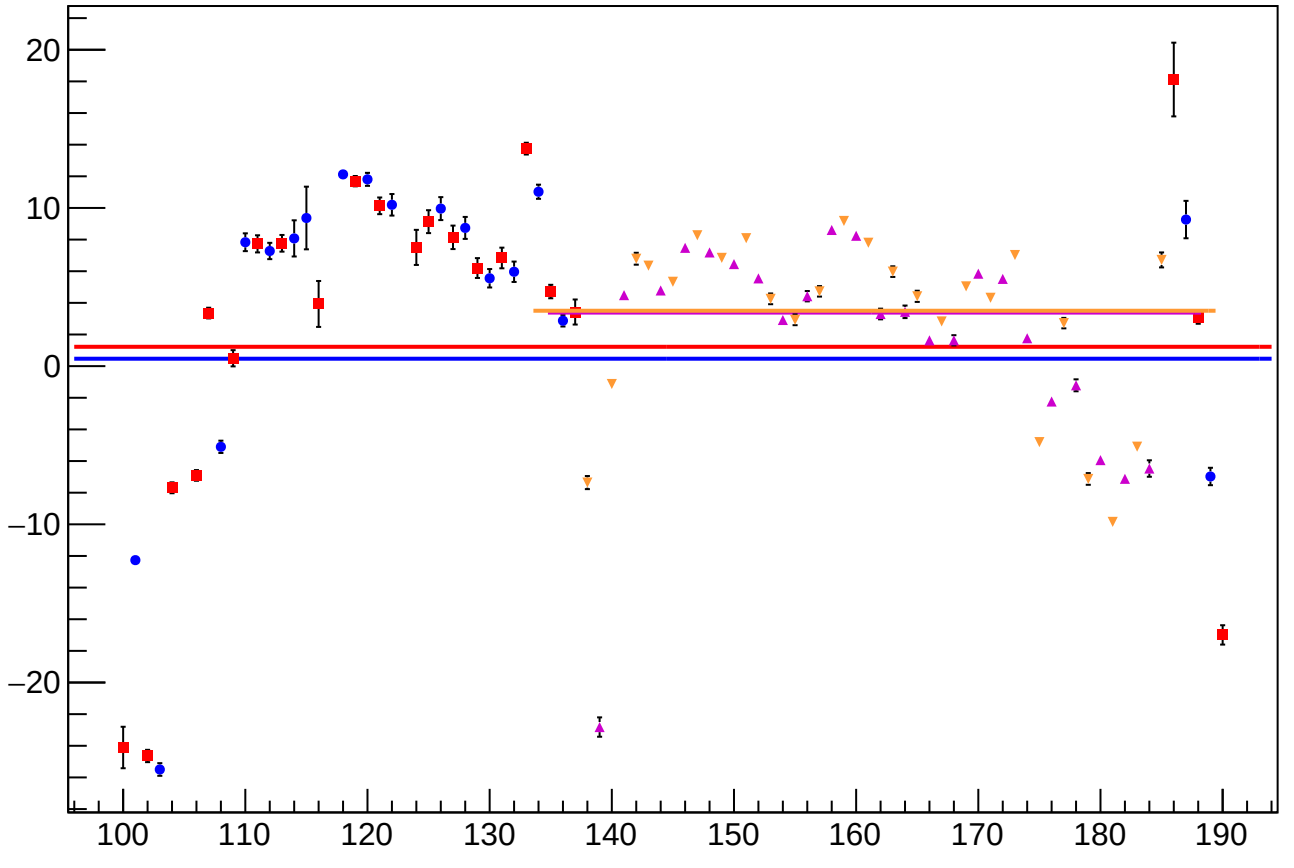
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.702+/-0.074 χ^2/NDF: 7597.0/39

In: 10.068+/-0.065 χ^2/NDF:22641.8/40

Out: 9.601+/-0.061 χ^2/NDF:30480.2/46

All: 9.819+/-0.044 χ^2/NDF: 53149.6/87



Right In: 0.469+/-0.113 χ^2/NDF: 10697.0/17

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.223+/-0.105 χ^2/NDF: 10230.5/21

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

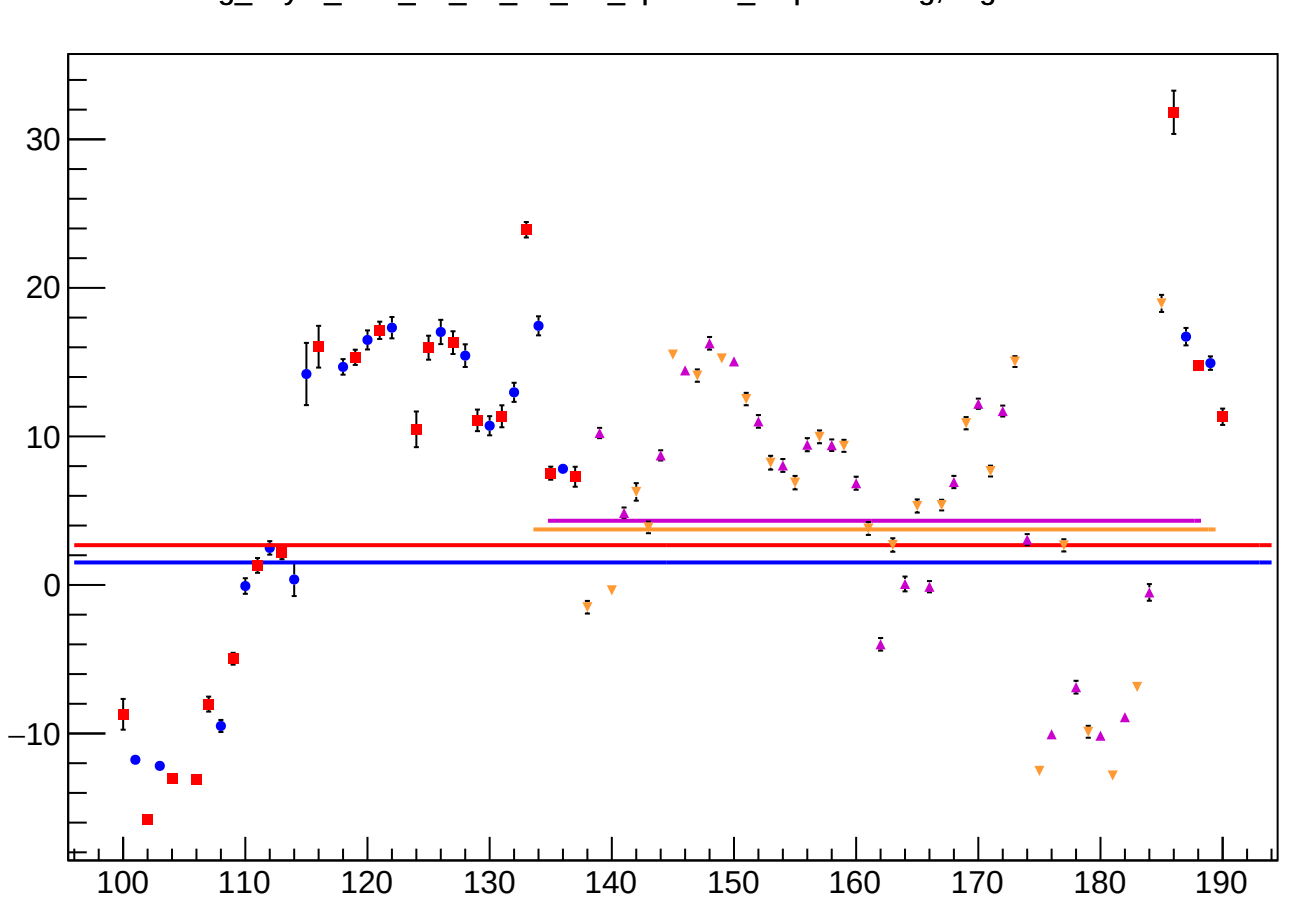
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: 0.874+/-0.077 χ^2/NDF: 20951.5/39

In: 2.726+/-0.054 χ^2/NDF:17921.0/40

Out: 2.960+/-0.051 χ^2/NDF:18502.2/46

All: 2.849+/-0.037 χ^2/NDF: 36433.3/87



Right In: 1.515+/-0.113 χ^2/NDF: 10984.7/17

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 2.679+/-0.099 χ^2/NDF: 17425.4/21

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

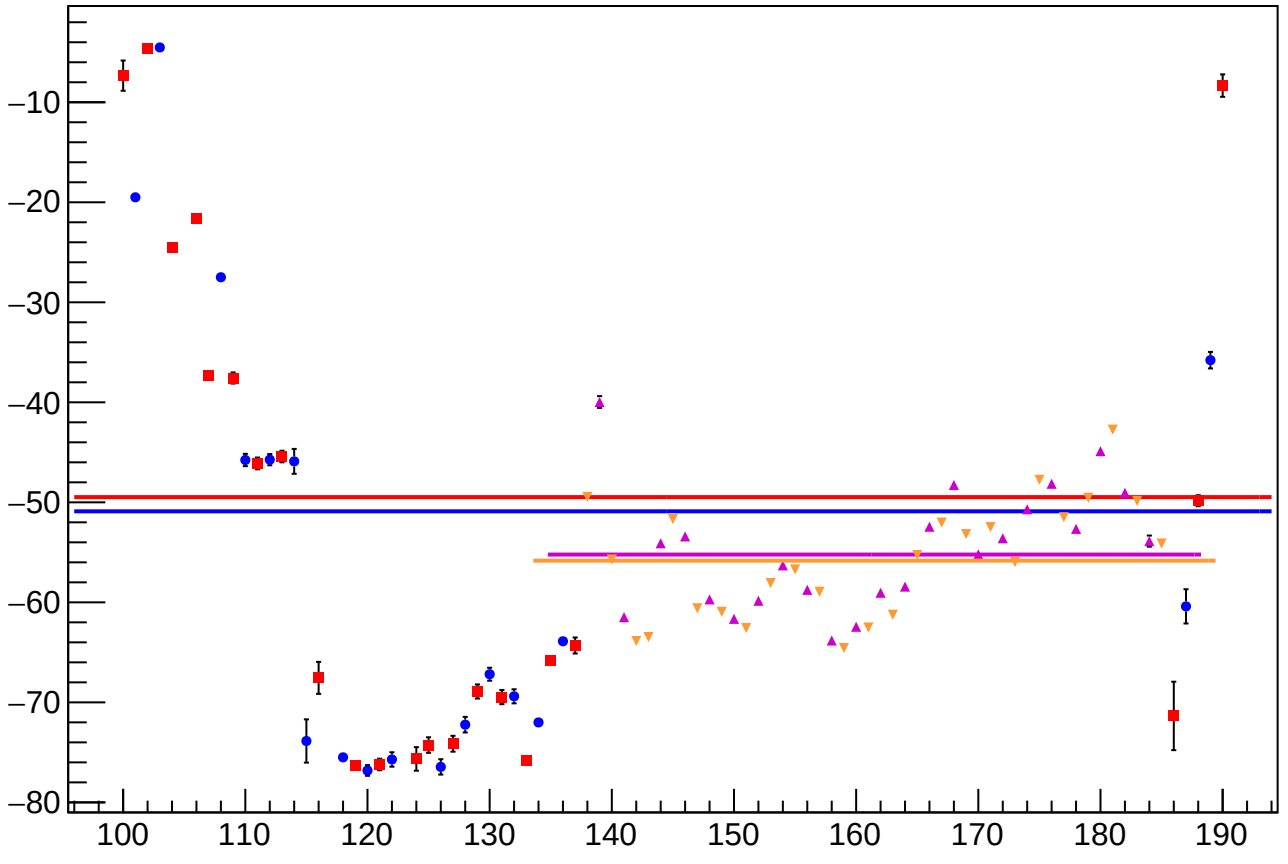
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 2.175+/-0.075 χ^2/NDF: 28469.9/39

In: 3.410+/-0.065 χ^2/NDF:23882.7/40

Out: 3.343+/-0.060 χ^2/NDF:33083.8/46

All: 3.374+/-0.044 χ^2/NDF: 56967.1/87



Right In: -50.898+/-0.134 χ^2/NDF: 34137.0/17

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -49.477+/-0.126 χ^2/NDF: 35293.7/21

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

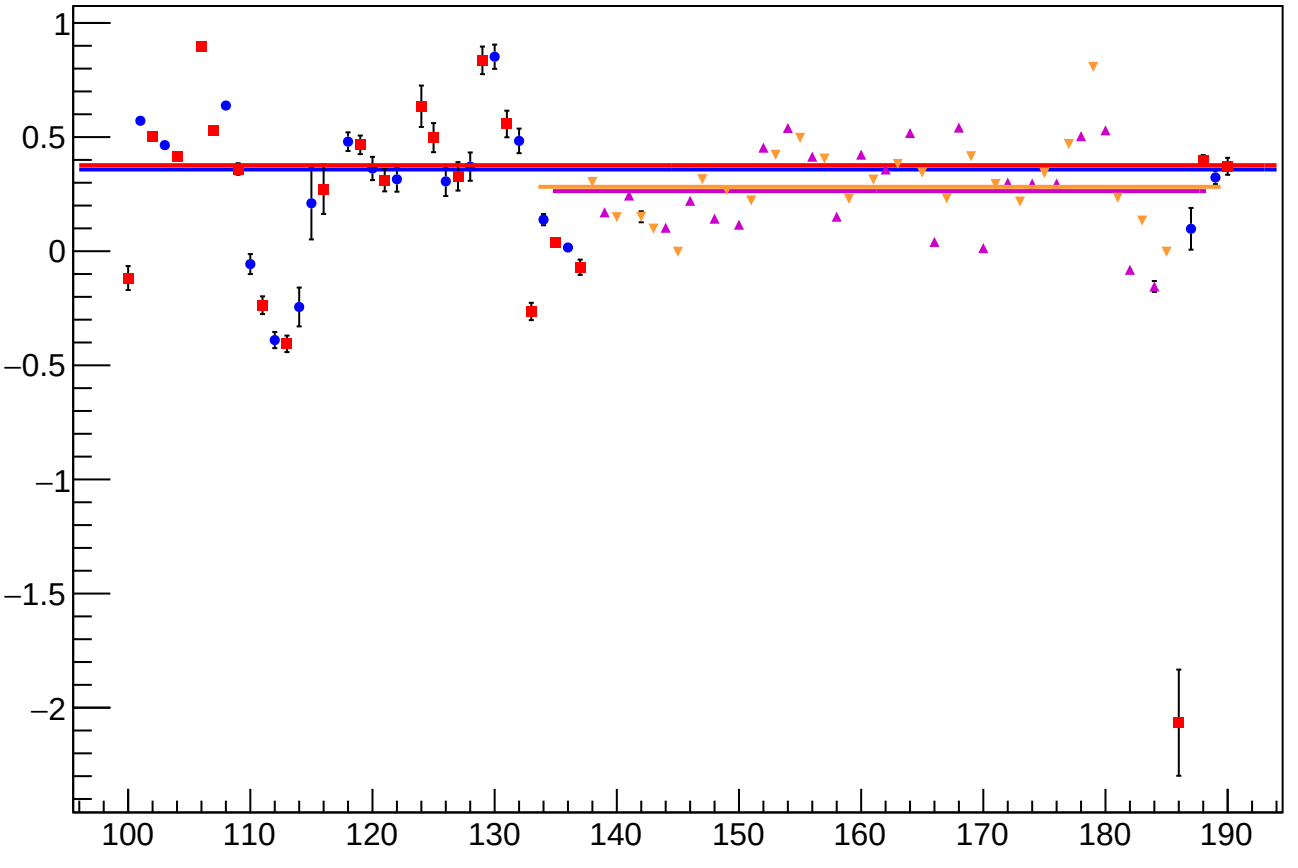
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -50.148+/-0.092 χ^2/NDF: 69490.4/39

In: -54.317+/-0.061 χ^2/NDF:41309.0/40

Out: -54.456+/-0.059 χ^2/NDF:44872.0/46

All: -54.390+/-0.042 χ^2/NDF: 86183.7/87



Right In: 0.358+/-0.006 χ^2/NDF: 1869.7/17

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.377+/-0.006 χ^2/NDF: 2901.5/21

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

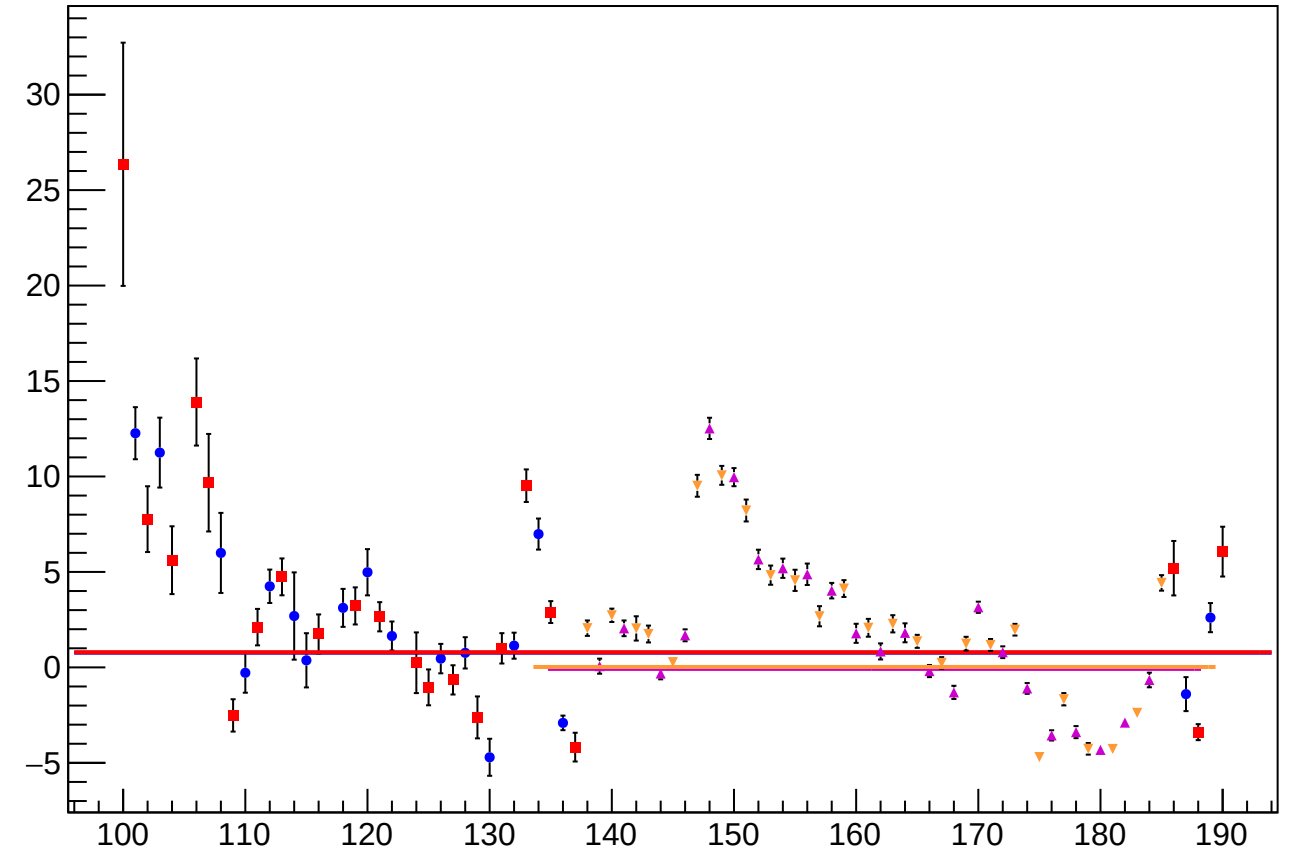
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.368+/-0.004 χ^2/NDF: 4776.1/39

In: 0.282+/-0.003 χ^2/NDF:5893.8/40

Out: 0.302+/-0.003 χ^2/NDF:5822.7/46

All: 0.292+/-0.002 χ^2/NDF: 11744.6/87



Right In: 0.770+/-0.199 χ^2/NDF: 341.8/17

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 0.792+/-0.193 χ^2/NDF: 436.1/21

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

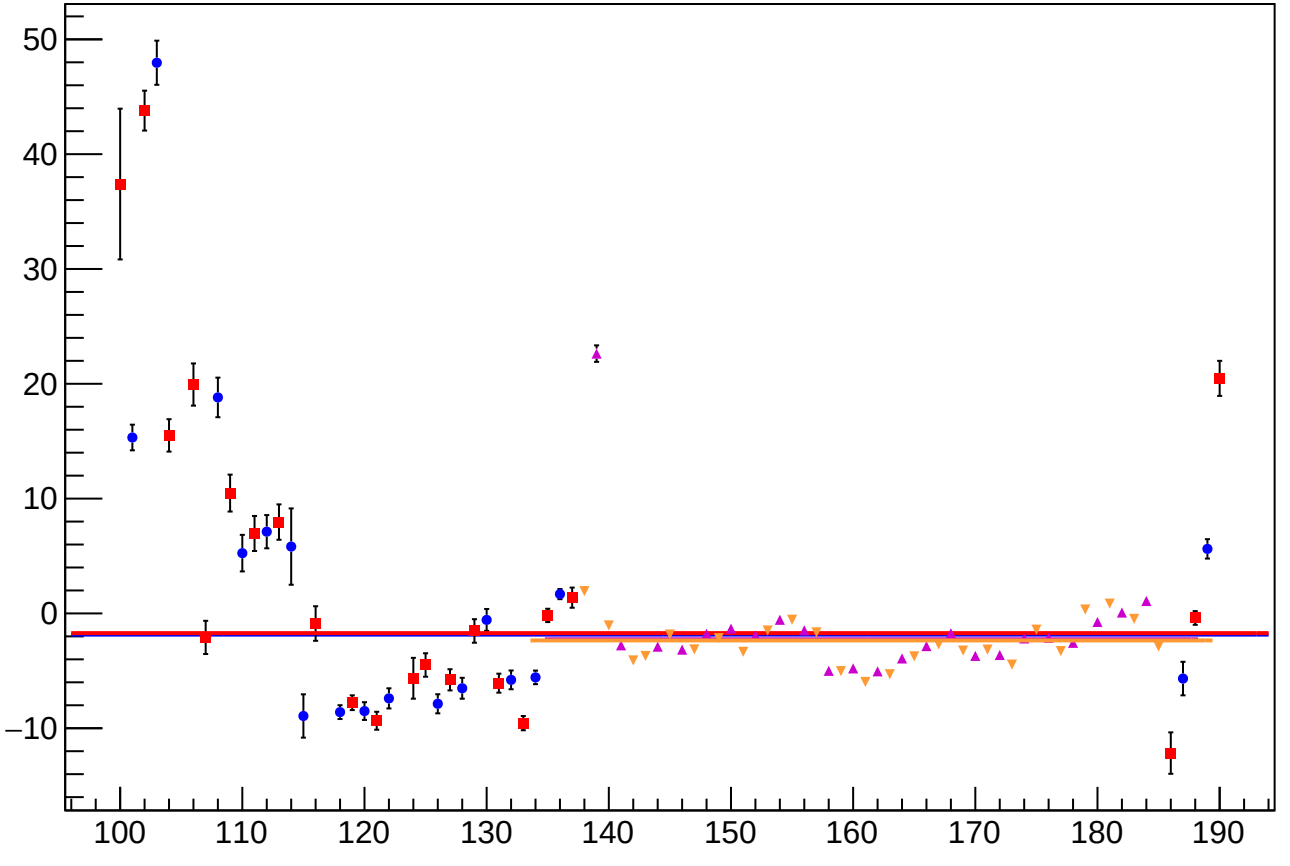
Right: 0.782+/-0.139 χ^2/NDF: 777.9/39

In: 0.015+/-0.067 χ^2/NDF:2822.5/40

Out: 0.108+/-0.065 χ^2/NDF:3209.6/46

All: 0.063+/-0.046 χ^2/NDF: 6033.1/87

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.845+/-0.207 χ^2/NDF: 1660.8/17

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -1.716+/-0.210 χ^2/NDF: 1810.6/21

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

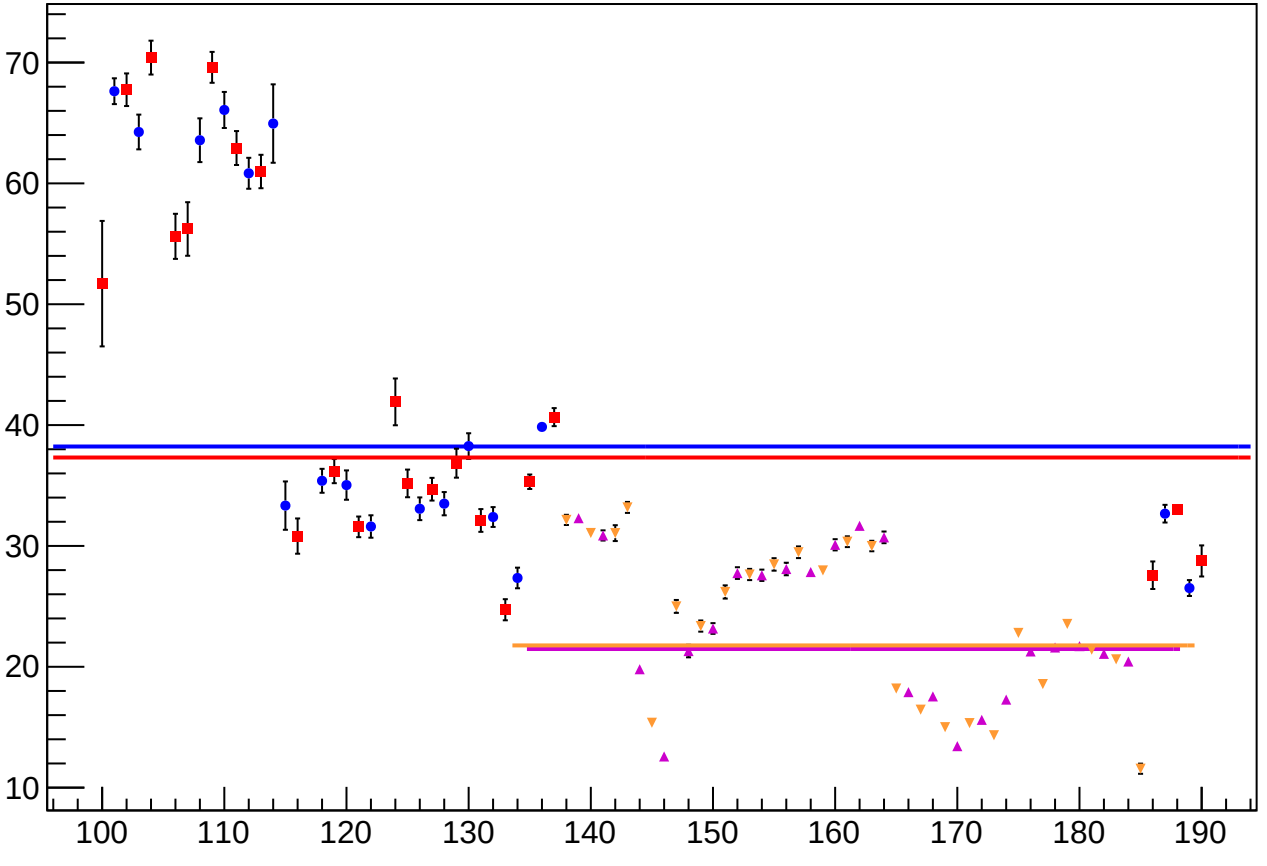
Right: -1.782+/-0.147 χ^2/NDF: 3471.6/39

In: -2.228+/-0.054 χ^2/NDF:3541.8/40

Out: -2.311+/-0.053 χ^2/NDF:2944.8/46

All: -2.271+/-0.038 χ^2/NDF: 6487.8/87

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 38.227+/-0.209 χ^2/NDF: 2740.6/17

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 37.317+/-0.196 χ^2/NDF: 3140.6/21

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

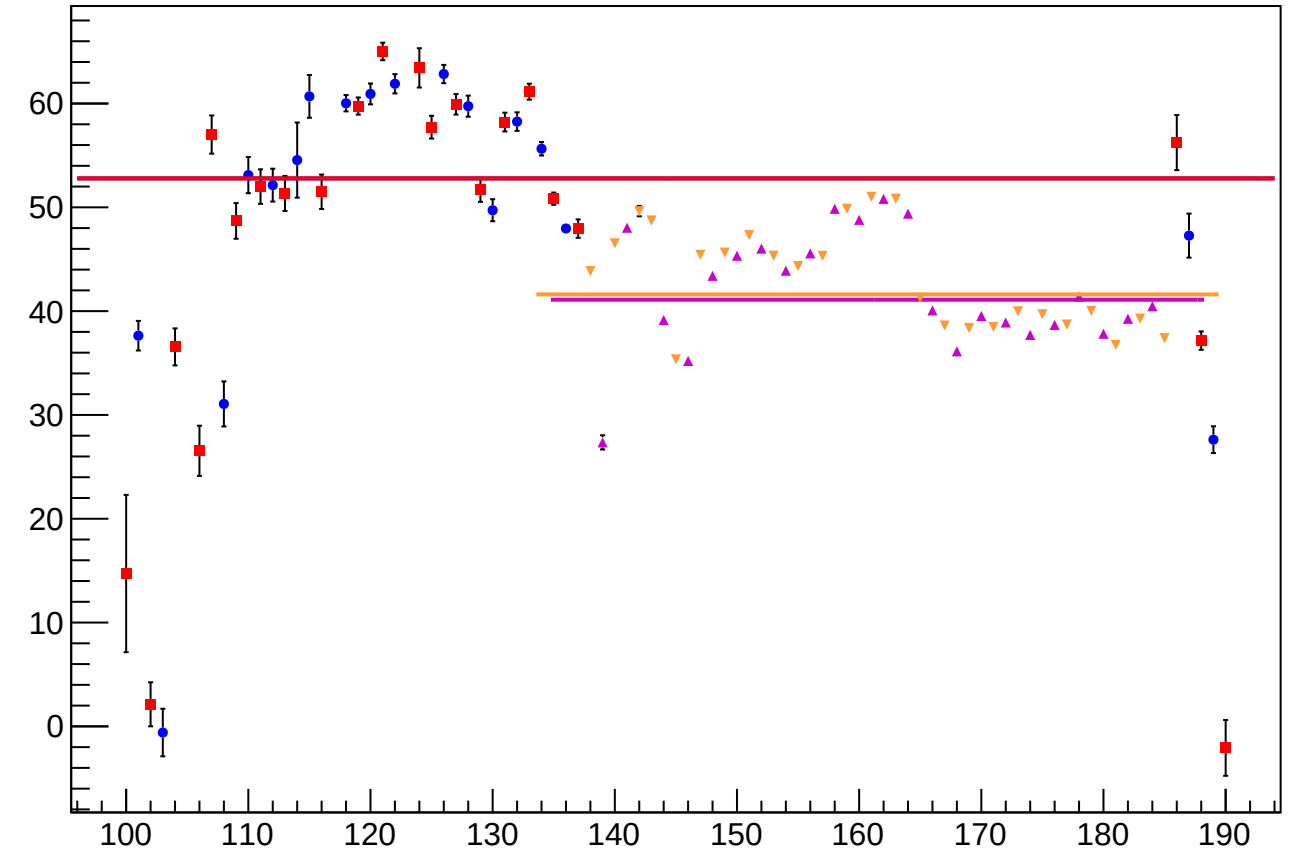
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 37.742+/-0.143 χ^2/NDF: 5891.3/39

In: 23.185+/-0.067 χ^2/NDF:14286.2/40

Out: 23.478+/-0.065 χ^2/NDF:15560.3/46

All: 23.336+/-0.047 χ^2/NDF: 29856.3/87



Right In: 52.783+/-0.234 χ^2/NDF: 1764.4/17

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 52.790+/-0.244 χ^2/NDF: 2120.7/21

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

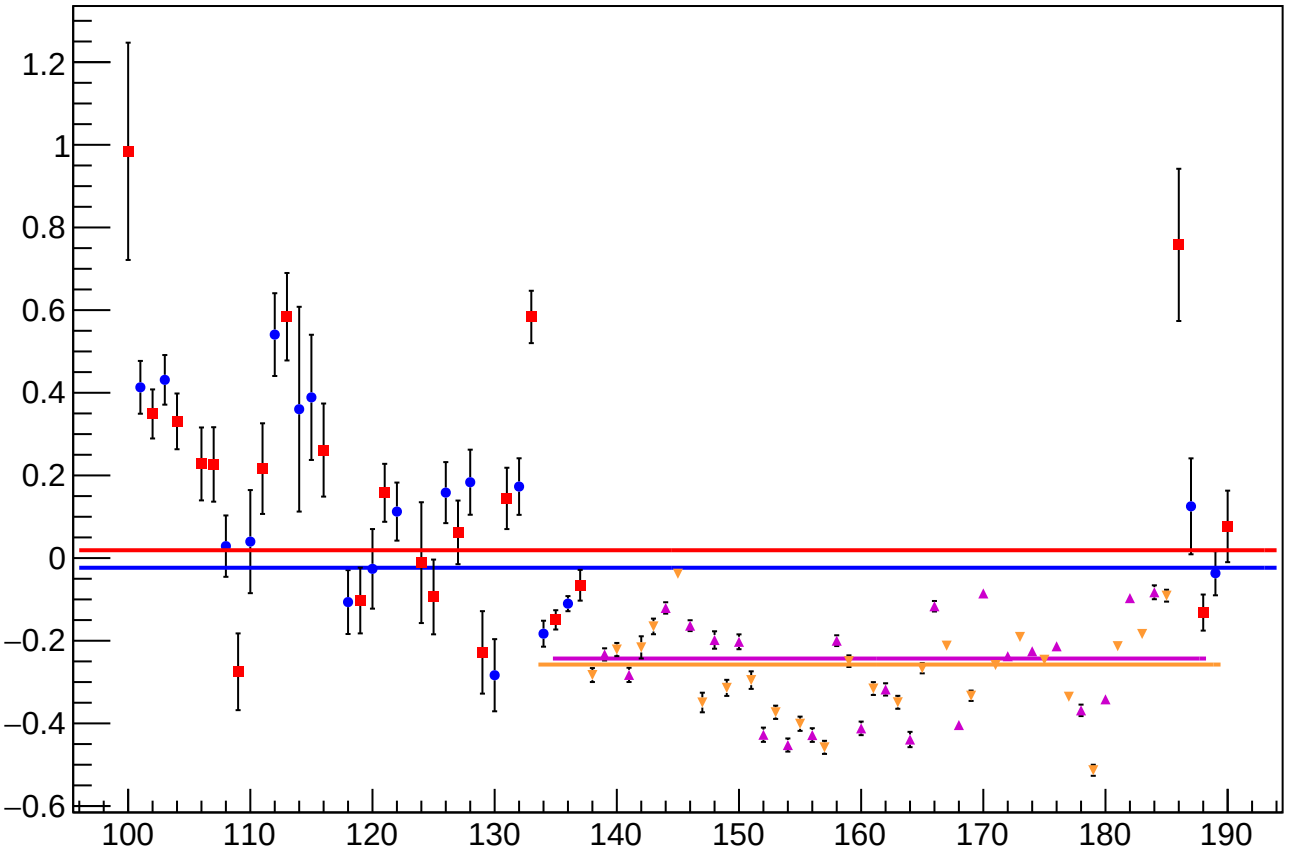
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 52.786+/-0.169 χ^2/NDF: 3885.2/39

In: 41.882+/-0.061 χ^2/NDF:9577.0/40

Out: 42.276+/-0.059 χ^2/NDF:9871.1/46

All: 42.083+/-0.042 χ^2/NDF: 19469.6/87



Right In: -0.023+/-0.012 χ^2/NDF: 231.4/17

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: 0.019+/-0.013 χ^2/NDF: 305.4/21

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

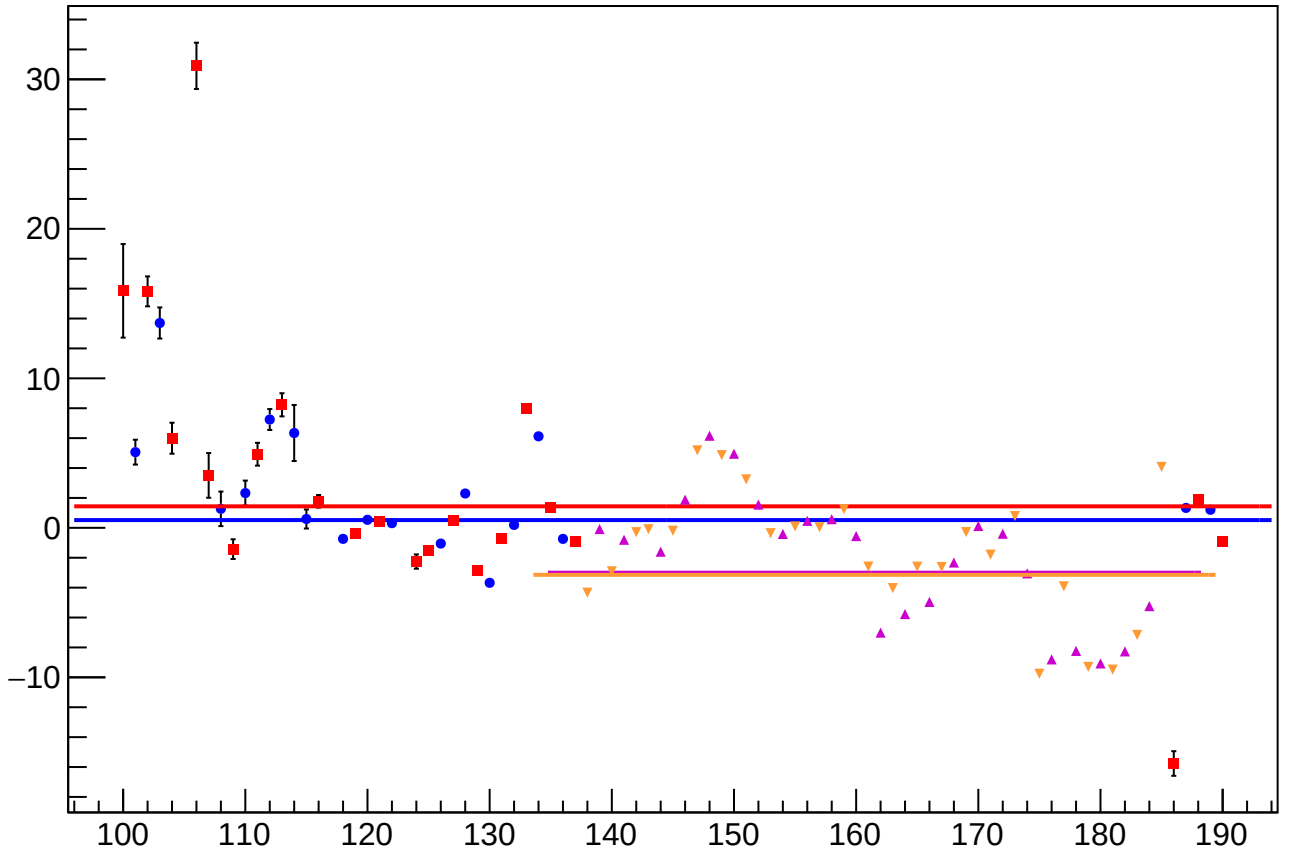
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.004+/-0.009 χ^2/NDF: 542.2/39

In: -0.233+/-0.003 χ^2/NDF:2343.0/40

Out: -0.247+/-0.003 χ^2/NDF:2232.9/46

All: -0.240+/-0.002 χ^2/NDF: 4589.5/87



Right In: 0.517+/-0.072 χ^2/NDF: 1114.6/17

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.438+/-0.064 χ^2/NDF: 2916.1/21

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

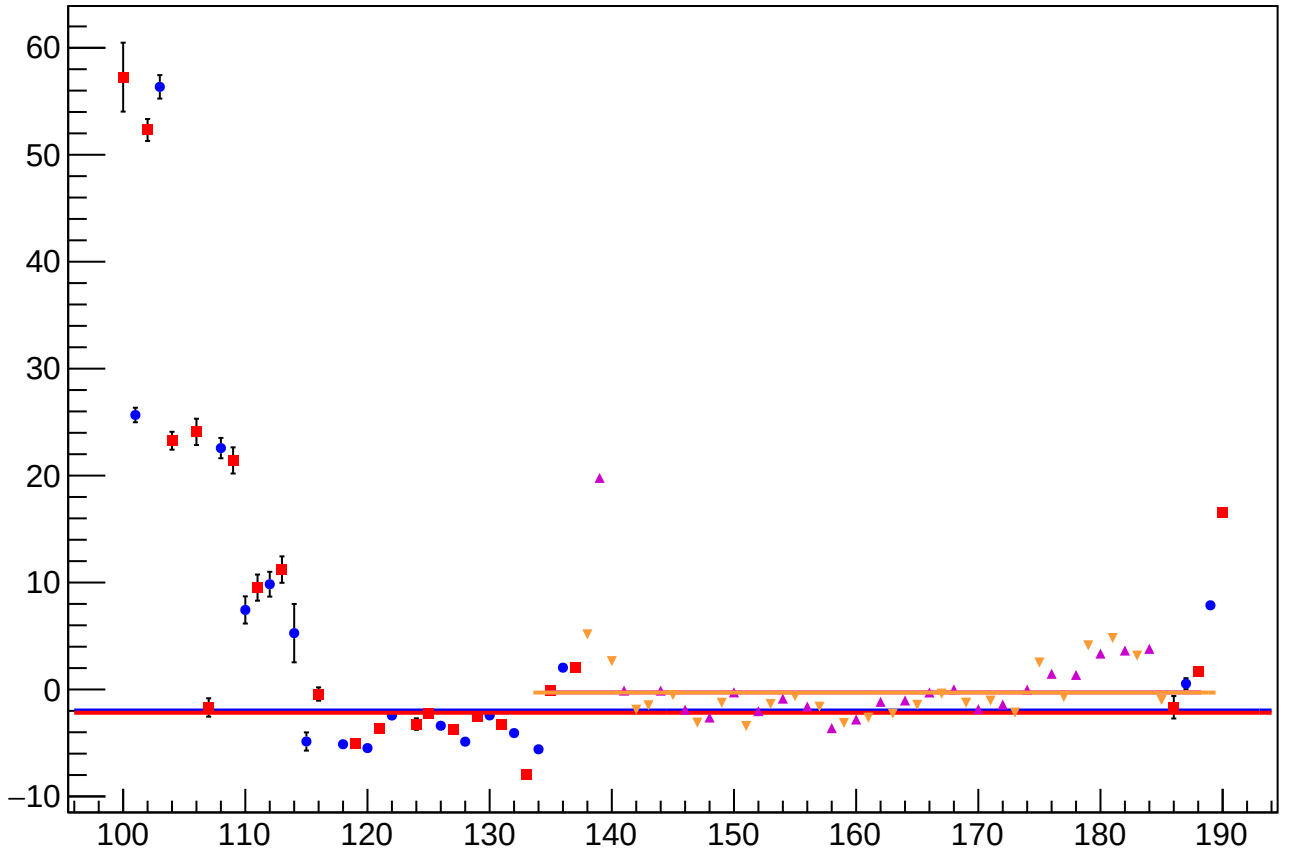
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 1.028+/-0.048 χ^2/NDF: 4122.7/39

In: -2.518+/-0.026 χ^2/NDF:25627.2/40

Out: -2.422+/-0.025 χ^2/NDF:32580.9/46

All: -2.468+/-0.018 χ^2/NDF: 58215.0/87



Right In: -1.966+/-0.068 χ^2/NDF: 8582.3/17

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -2.177+/-0.065 χ^2/NDF: 10487.5/21

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

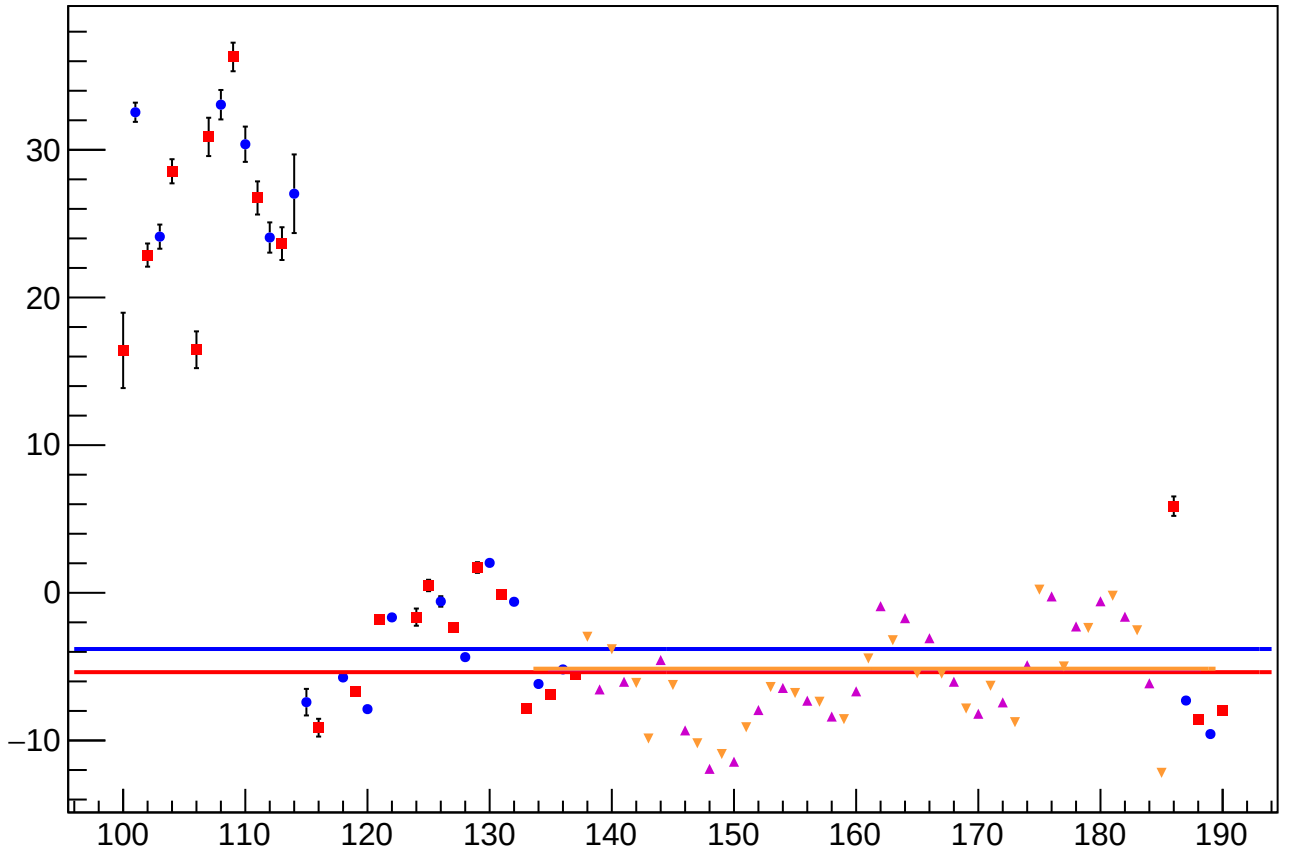
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: -2.077+/-0.047 χ^2/NDF: 19074.9/39

In: -0.436+/-0.021 χ^2/NDF:22367.5/40

Out: -0.481+/-0.021 χ^2/NDF:23454.7/46

All: -0.460+/-0.015 χ^2/NDF: 45824.5/87



Right In: -3.806+/-0.074 χ^2/NDF: 9276.5/17

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.373+/-0.063 χ^2/NDF: 10450.4/21

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

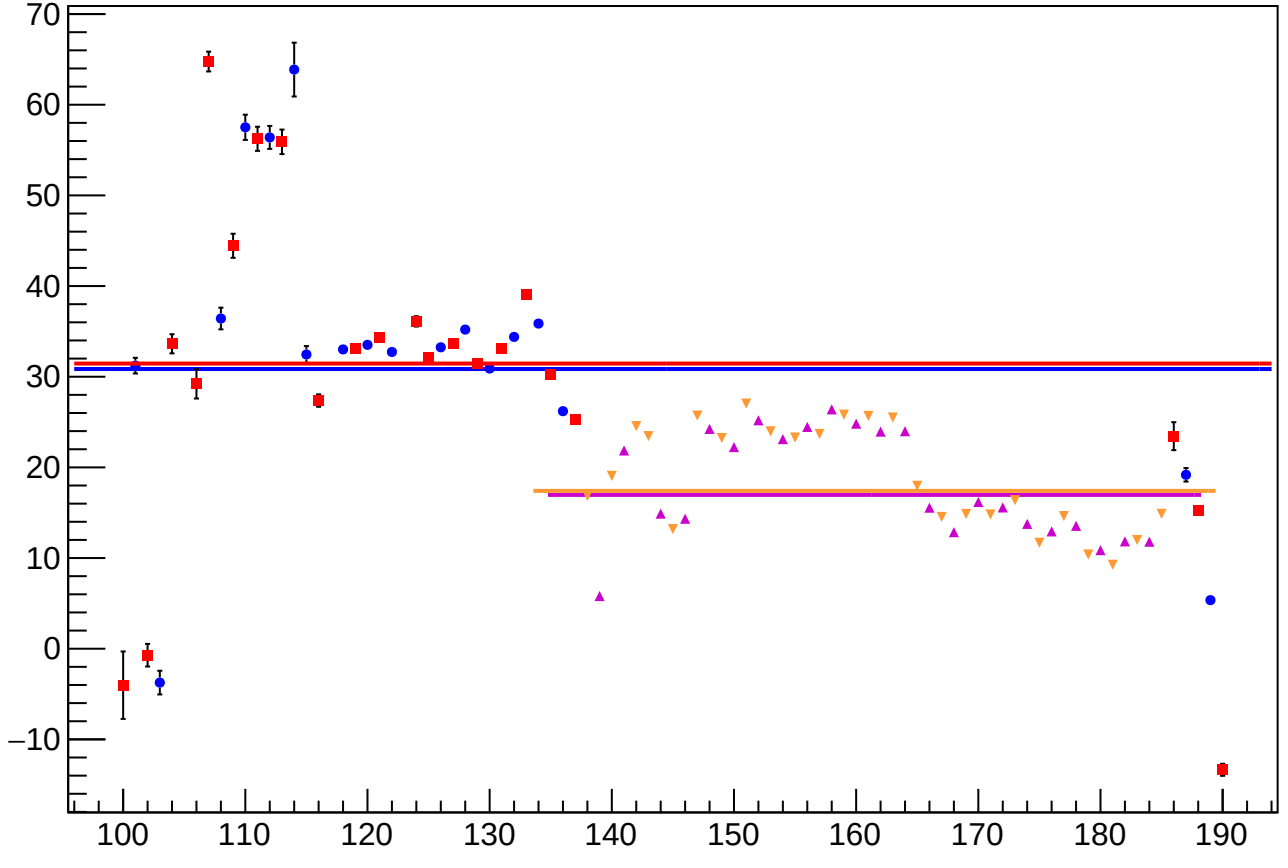
Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

Right: -4.722+/-0.048 χ^2/NDF: 19987.8/39

In: -5.002+/-0.027 χ^2/NDF:23538.2/40

Out: -5.177+/-0.025 χ^2/NDF:25088.2/46

All: -5.093+/-0.018 χ^2/NDF: 48649.1/87



Right In: 30.849+/-0.079 χ^2/NDF: 7765.2/17

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 31.452+/-0.077 χ^2/NDF: 13786.4/21

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

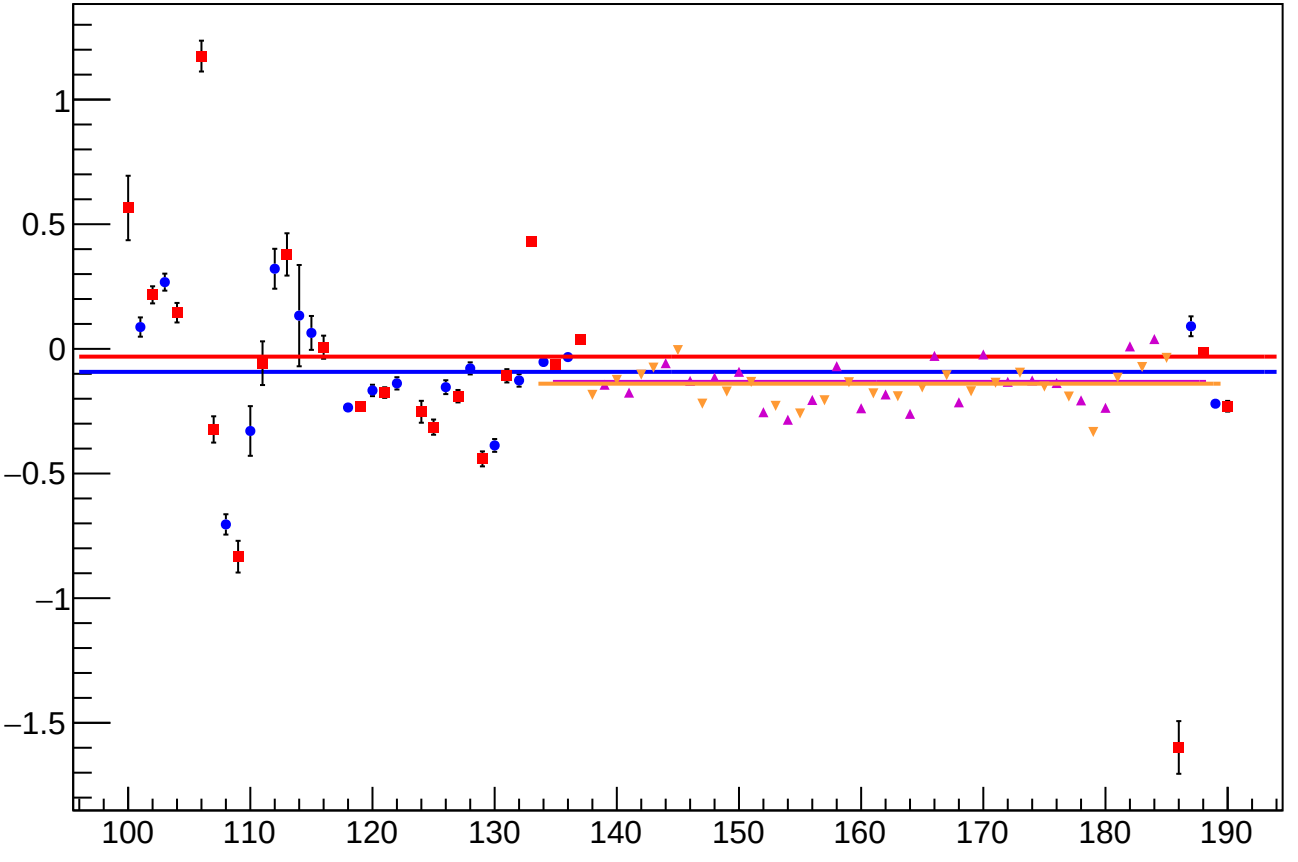
Right: 31.159+/-0.055 χ^2/NDF: 21581.4/39

In: 18.226+/-0.024 χ^2/NDF:75633.2/40

Out: 18.693+/-0.023 χ^2/NDF:94587.2/46

All: 18.465+/-0.017 χ^2/NDF: 170417.2/87

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.092+/-0.005 χ^2/NDF: 787.6/17

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.031+/-0.005 χ^2/NDF: 2587.0/21

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

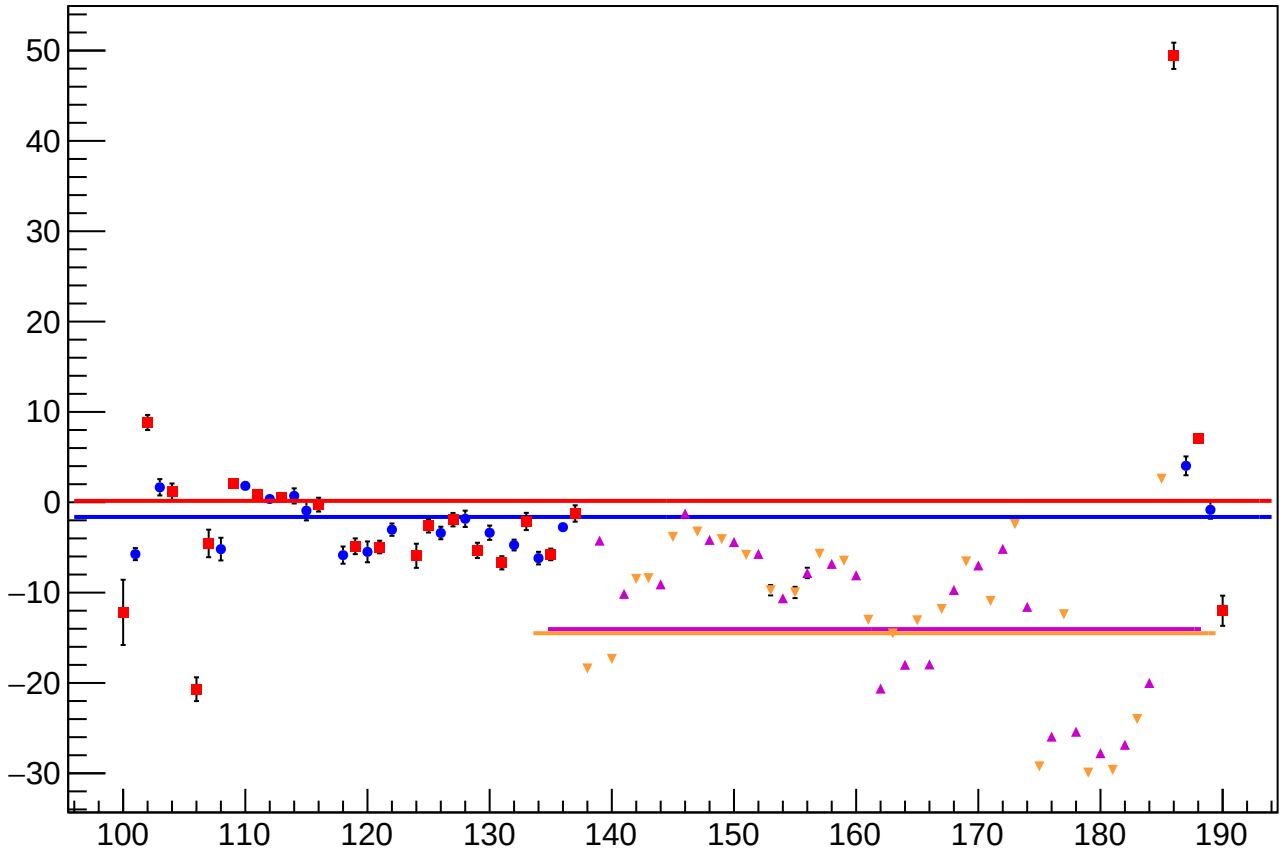
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.062+/-0.003 χ^2/NDF: 3463.2/39

In: -0.130+/-0.001 χ^2/NDF:6390.7/40

Out: -0.134+/-0.001 χ^2/NDF:7218.5/46

All: -0.132+/-0.001 χ^2/NDF: 13615.2/87



Right In: -1.626+/-0.153 χ^2/NDF: 328.8/17

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: 0.154+/-0.142 χ^2/NDF: 2146.6/21

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

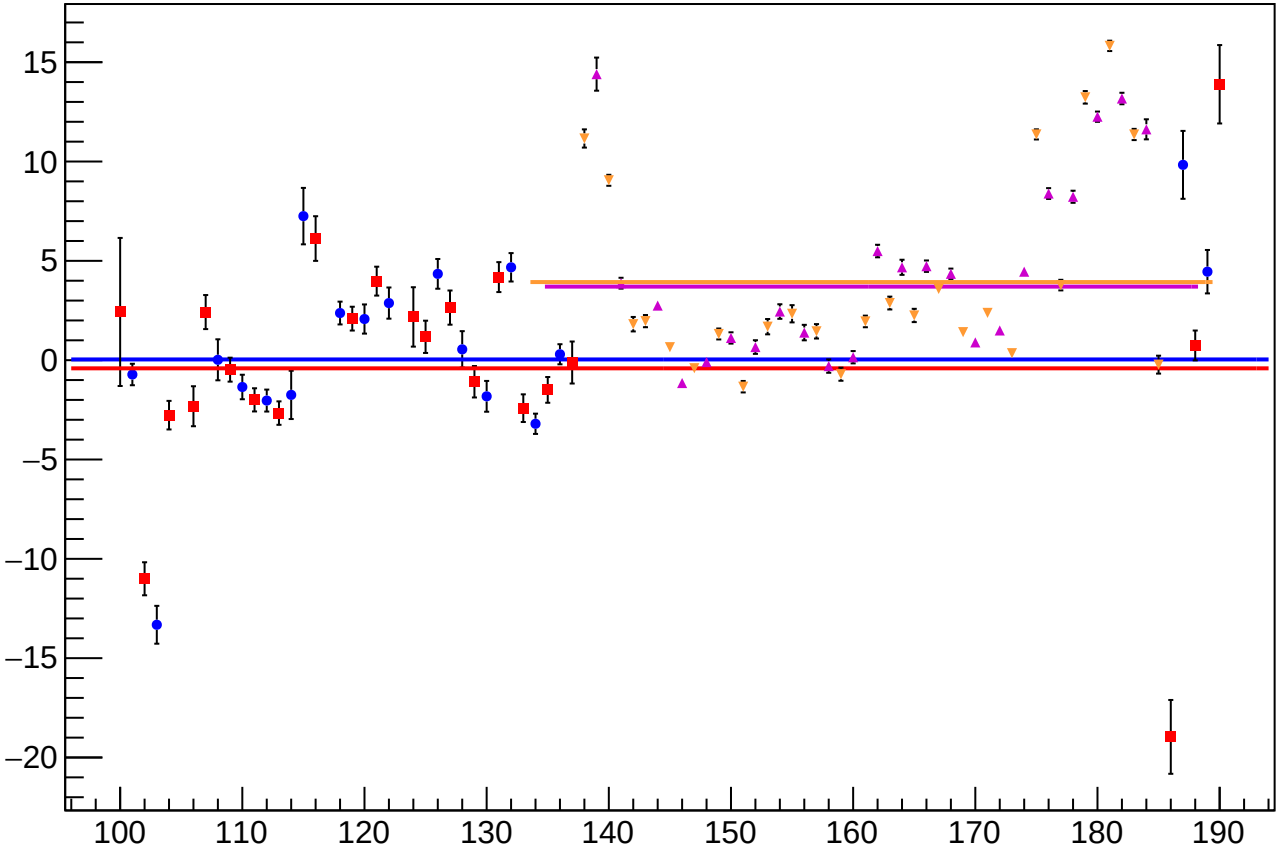
Right: -0.665+/-0.104 χ^2/NDF: 2547.9/39

In: -11.552+/-0.069 χ^2/NDF:19040.7/40

Out: -11.303+/-0.066 χ^2/NDF:27741.8/46

All: -11.423+/-0.048 χ^2/NDF: 46789.3/87

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.037+/-0.170 χ^2/NDF: 453.8/17

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.411+/-0.171 χ^2/NDF: 520.8/21

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

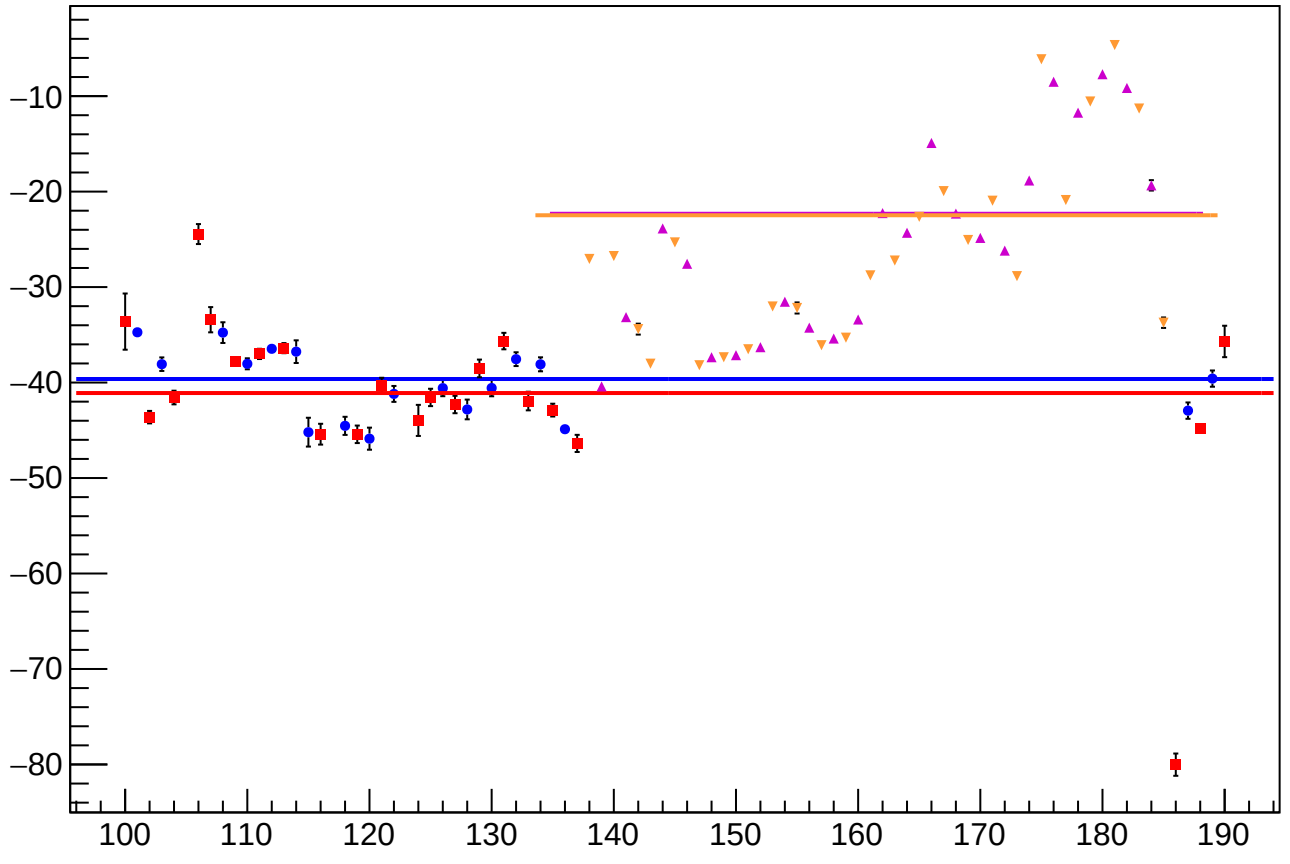
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: -0.185+/-0.121 χ^2/NDF: 978.1/39

In: 3.306+/-0.056 χ^2/NDF:5656.8/40

Out: 3.486+/-0.055 χ^2/NDF:8078.0/46

All: 3.397+/-0.039 χ^2/NDF: 13740.1/87



Right In: -39.628+/-0.173 χ^2/NDF: 424.9/17

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -41.098+/-0.164 χ^2/NDF: 1823.3/21

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

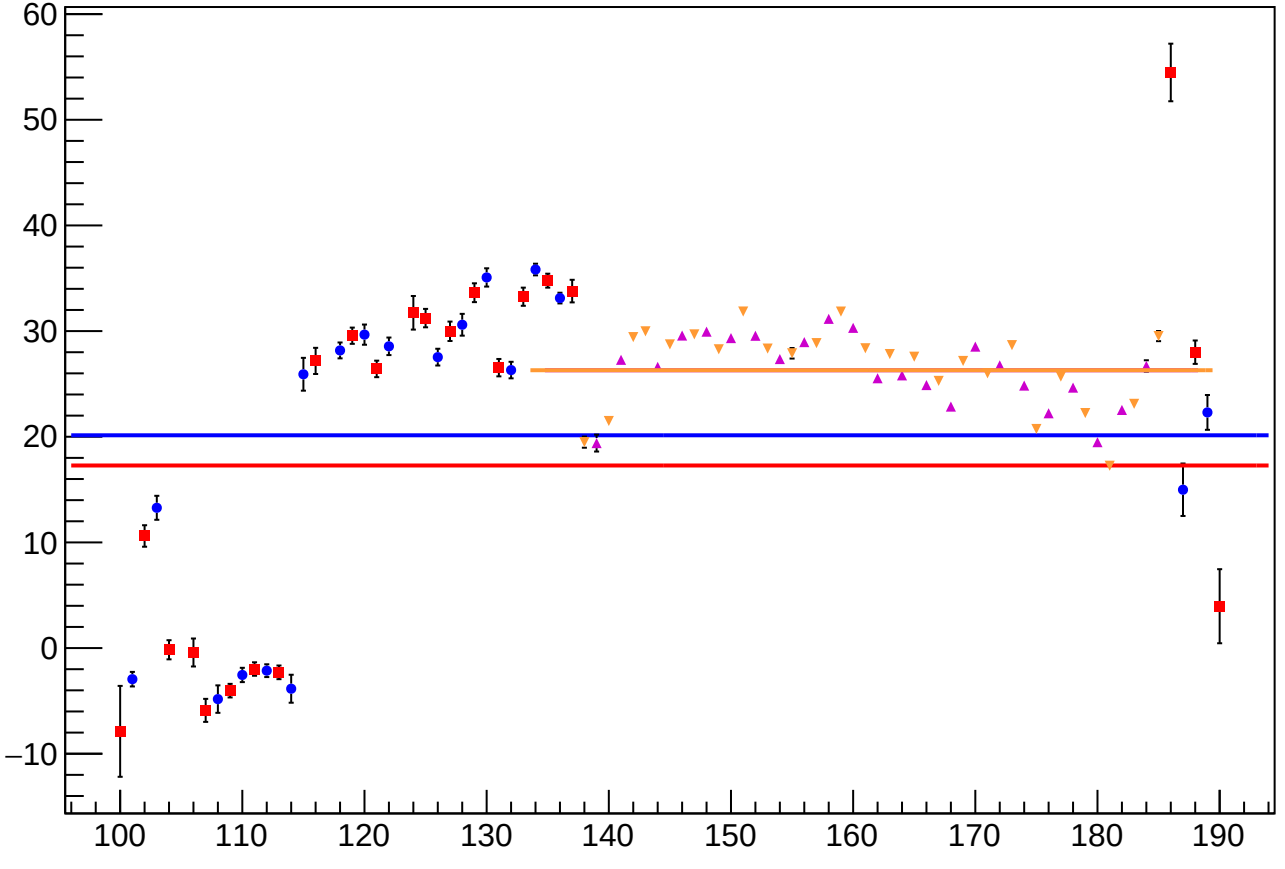
Right: -40.400+/-0.119 χ^2/NDF: 2286.2/39

In: -25.166+/-0.070 χ^2/NDF:25952.0/40

Out: -25.676+/-0.068 χ^2/NDF:32887.5/46

All: -25.428+/-0.049 χ^2/NDF: 58866.8/87

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.139+/-0.193 χ^2/NDF: 6690.6/17

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.280+/-0.196 χ^2/NDF: 7040.0/21

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

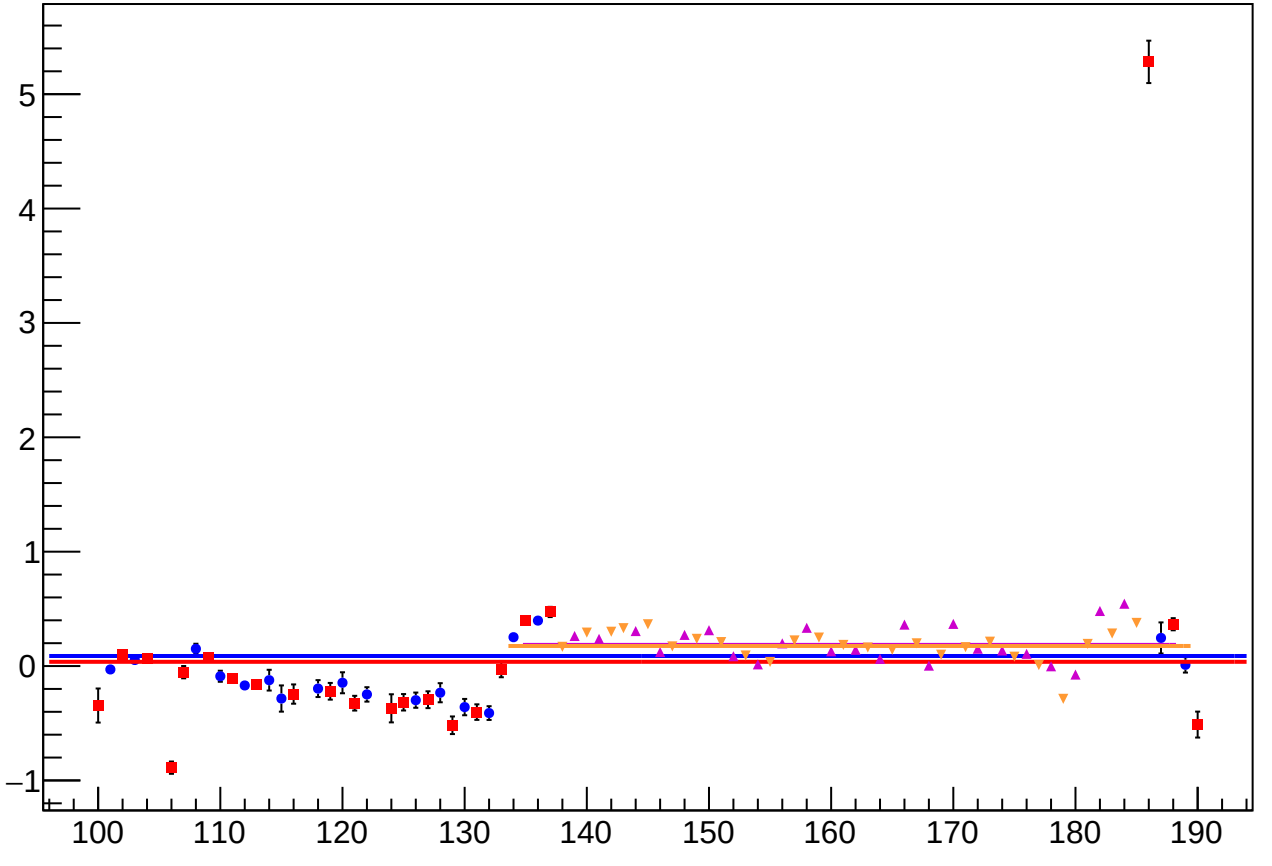
Right: 18.731+/-0.137 χ^2/NDF: 13838.9/39

In: 25.635+/-0.063 χ^2/NDF:9786.6/40

Out: 25.398+/-0.062 χ^2/NDF:12258.3/46

All: 25.514+/-0.044 χ^2/NDF: 22052.1/87

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.010 χ^2/NDF: 566.6/17

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: 0.037+/-0.011 χ^2/NDF: 1703.8/21

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

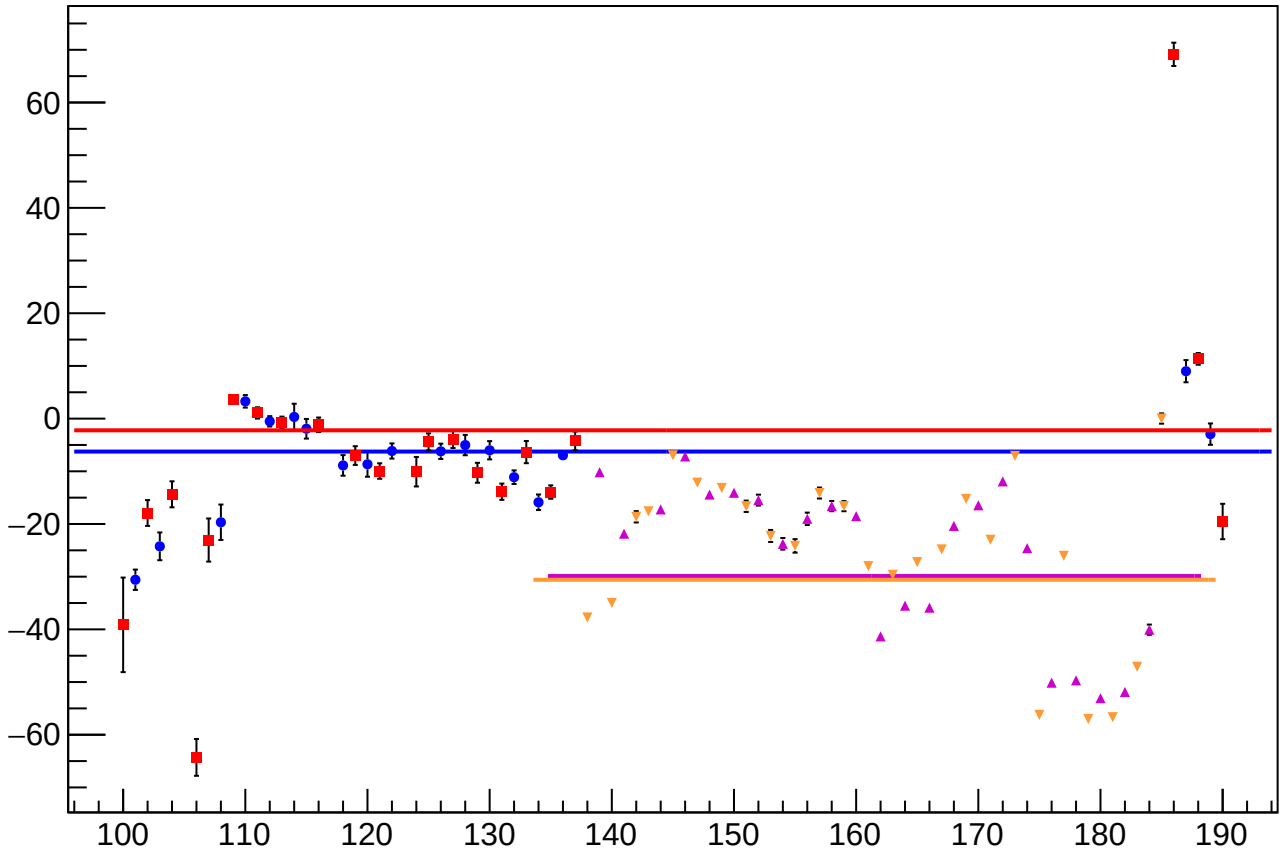
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

Right: 0.064+/-0.007 χ^2/NDF: 2282.1/39

In: 0.178+/-0.003 χ^2/NDF:3187.5/40

Out: 0.166+/-0.003 χ^2/NDF:3794.7/46

All: 0.172+/-0.002 χ^2/NDF: 6990.3/87



Right In: -6.253+/-0.364 χ^2/NDF: 447.8/17

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -2.219+/-0.344 χ^2/NDF: 1898.3/21

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

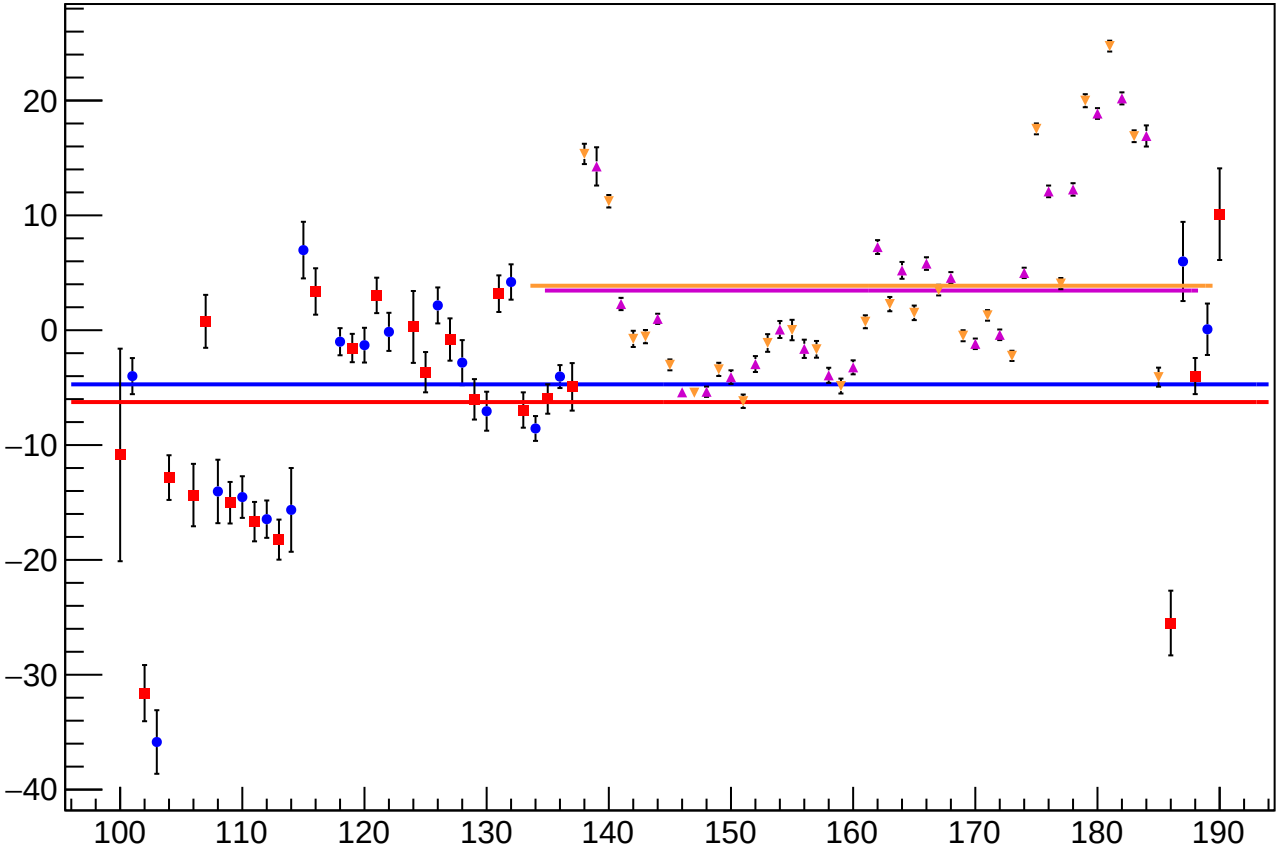
Right: -4.124+/-0.250 χ^2/NDF: 2411.0/39

In: -26.591+/-0.136 χ^2/NDF:16114.1/40

Out: -26.453+/-0.131 χ^2/NDF:23749.7/46

All: -26.520+/-0.094 χ^2/NDF: 39864.4/87

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.714+/-0.387 χ^2/NDF: 356.5/17

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.257+/-0.397 χ^2/NDF: 434.7/21

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

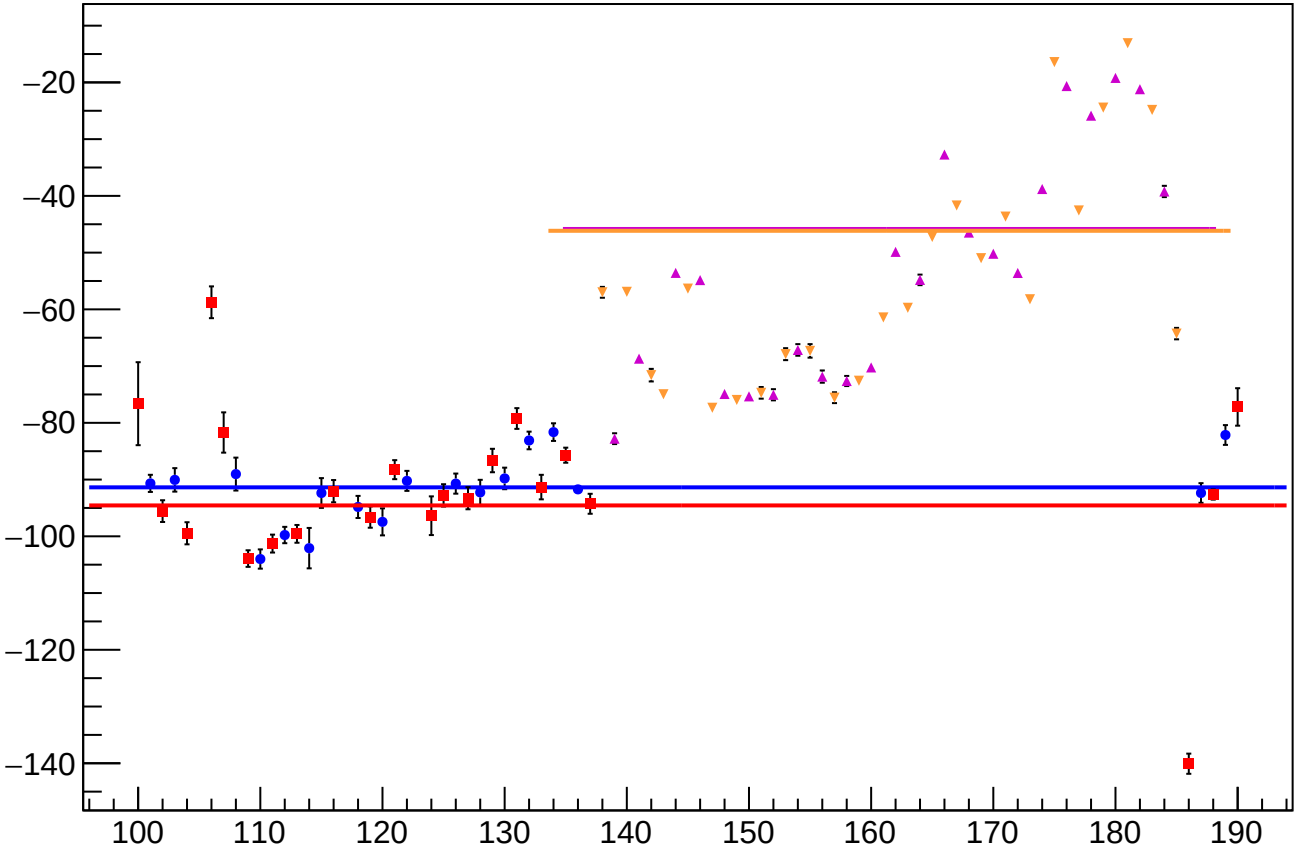
Right: -5.466+/-0.277 χ^2/NDF: 798.9/39

In: 2.804+/-0.109 χ^2/NDF:5460.6/40

Out: 3.135+/-0.107 χ^2/NDF:7581.4/46

All: 2.972+/-0.076 χ^2/NDF: 13046.7/87

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.370+/-0.401 χ^2/NDF: 206.9/17

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -94.557+/-0.383 χ^2/NDF: 1097.1/21

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

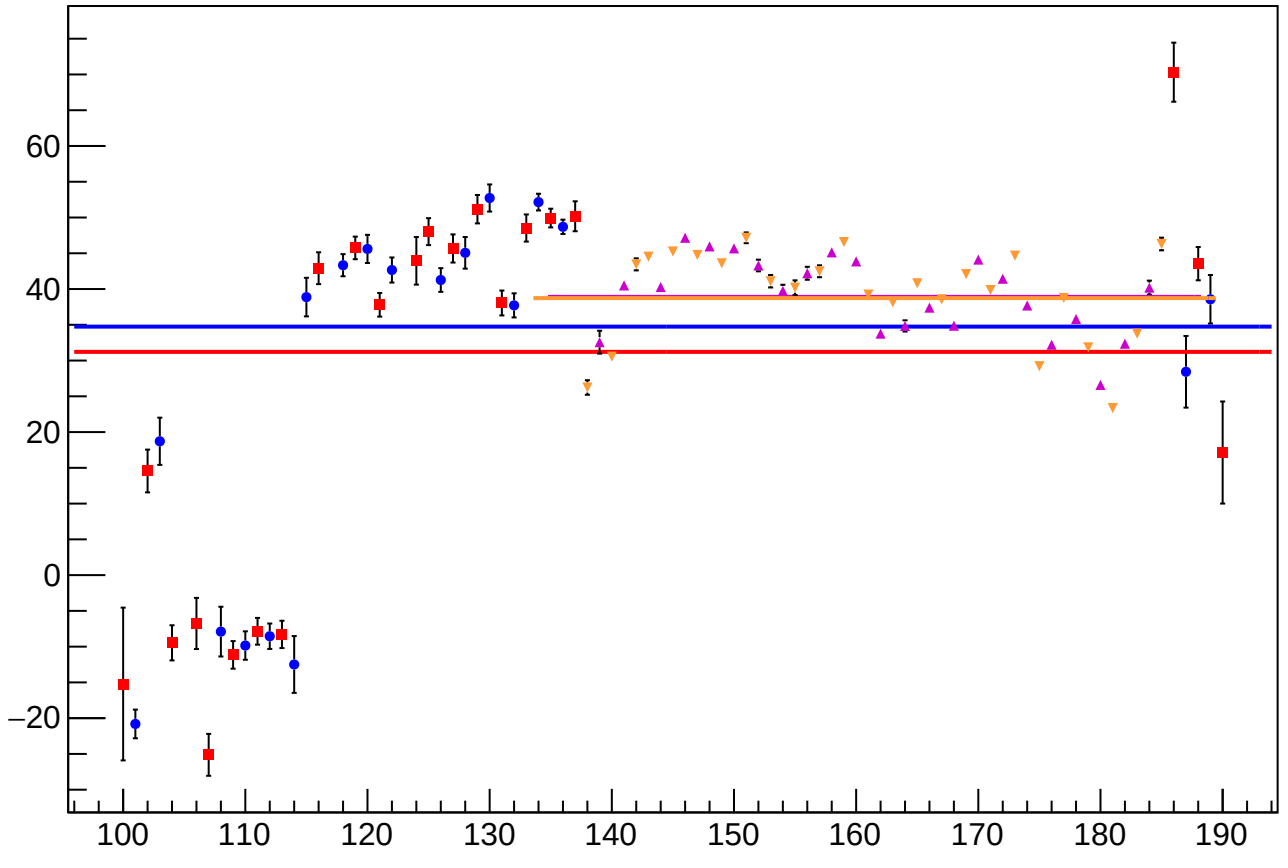
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -93.037+/-0.277 χ^2/NDF: 1337.1/39

In: -51.169+/-0.137 χ^2/NDF:29527.1/40

Out: -52.043+/-0.133 χ^2/NDF:36610.9/46

All: -51.618+/-0.096 χ^2/NDF: 66158.9/87



Right In: 34.745+/-0.437 χ^2/NDF: 2812.0/17

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 31.217+/-0.454 χ^2/NDF: 3036.9/21

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

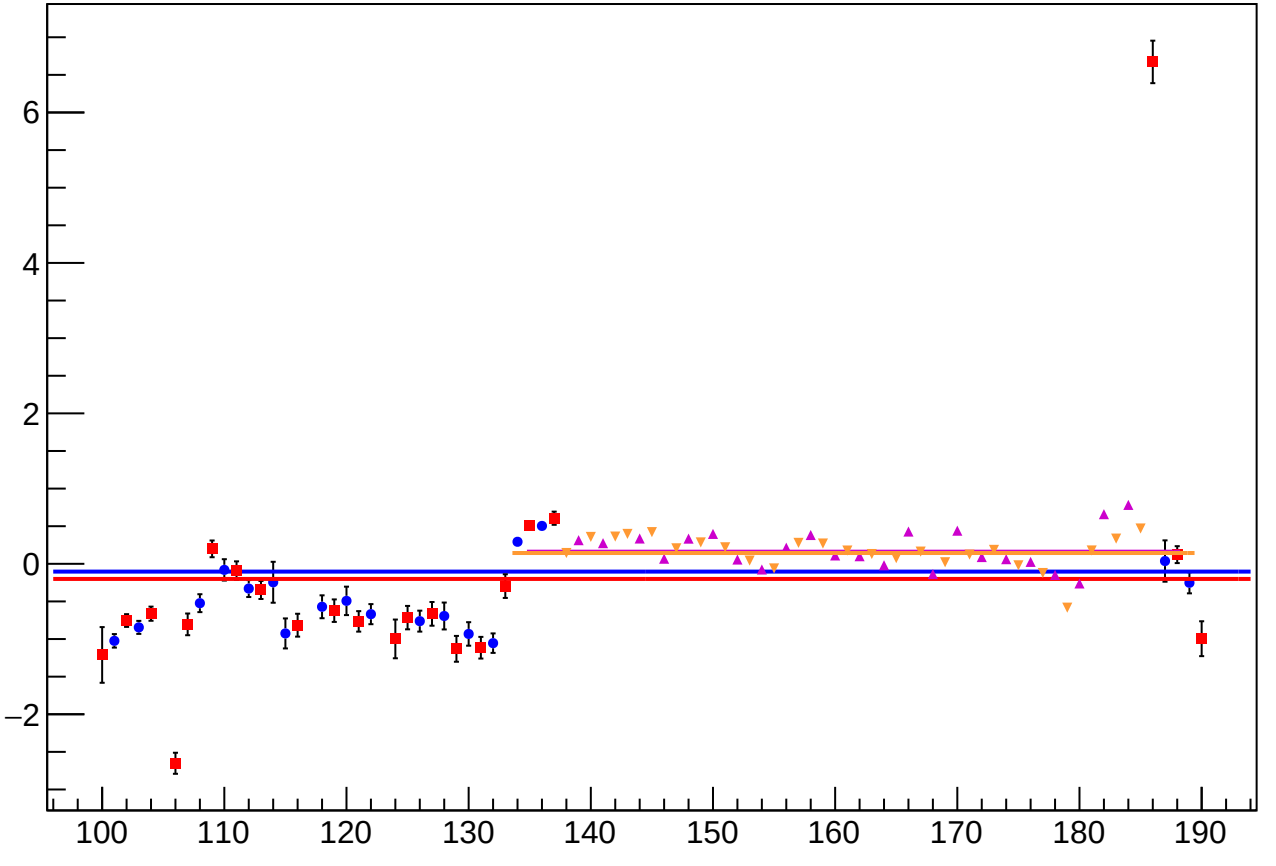
Right: 33.051+/-0.315 χ^2/NDF: 5880.3/39

In: 38.578+/-0.122 χ^2/NDF:4867.3/40

Out: 38.205+/-0.120 χ^2/NDF:6073.1/46

All: 38.388+/-0.086 χ^2/NDF: 10945.1/87

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.103+/-0.024 χ^2/NDF: 632.8/17

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.201+/-0.025 χ^2/NDF: 1440.9/21

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

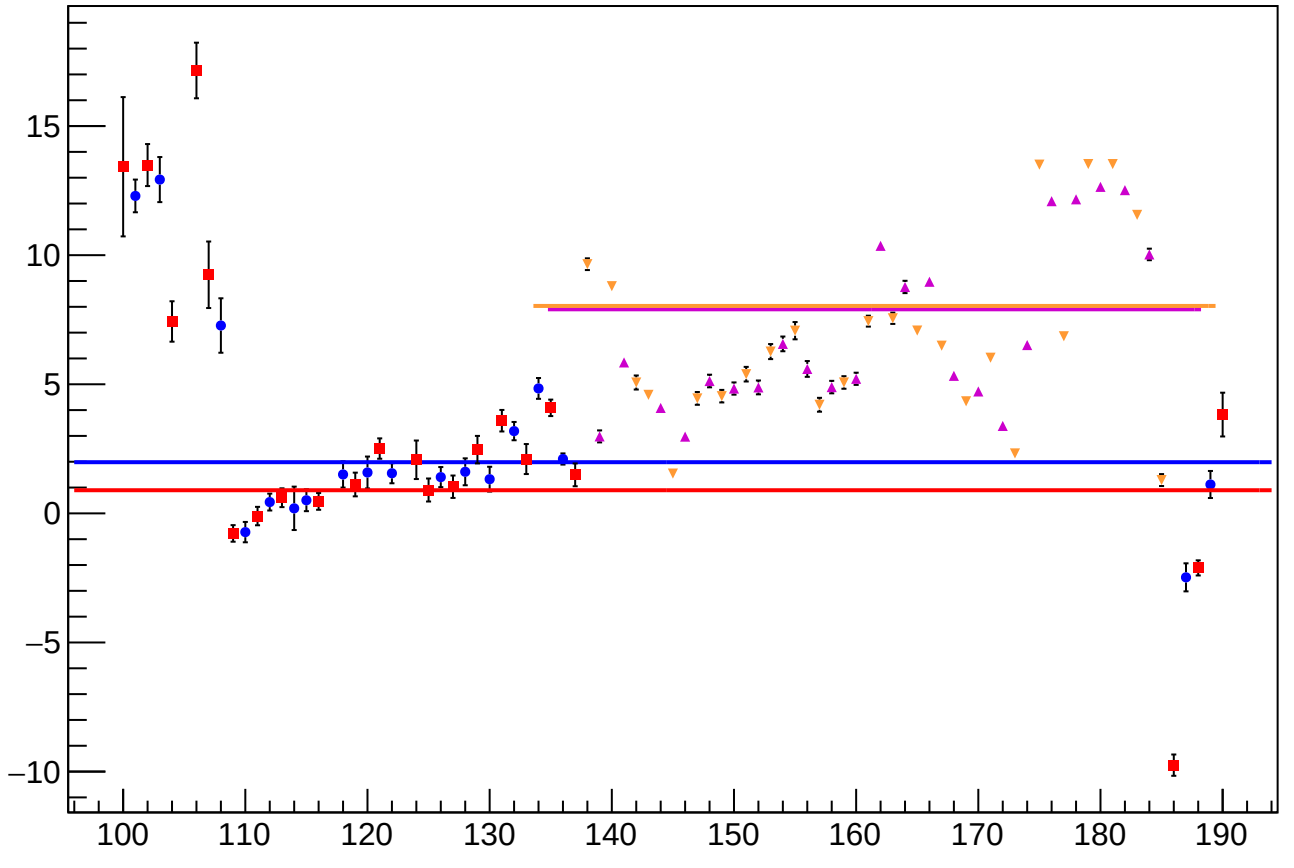
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.149+/-0.017 χ^2/NDF: 2081.7/39

In: 0.147+/-0.006 χ^2/NDF:2670.7/40

Out: 0.128+/-0.005 χ^2/NDF:3059.6/46

All: 0.137+/-0.004 χ^2/NDF: 5736.2/87



Right In: 1.982+/-0.101 χ^2/NDF: 673.1/17

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 0.896+/-0.096 χ^2/NDF: 1597.6/21

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

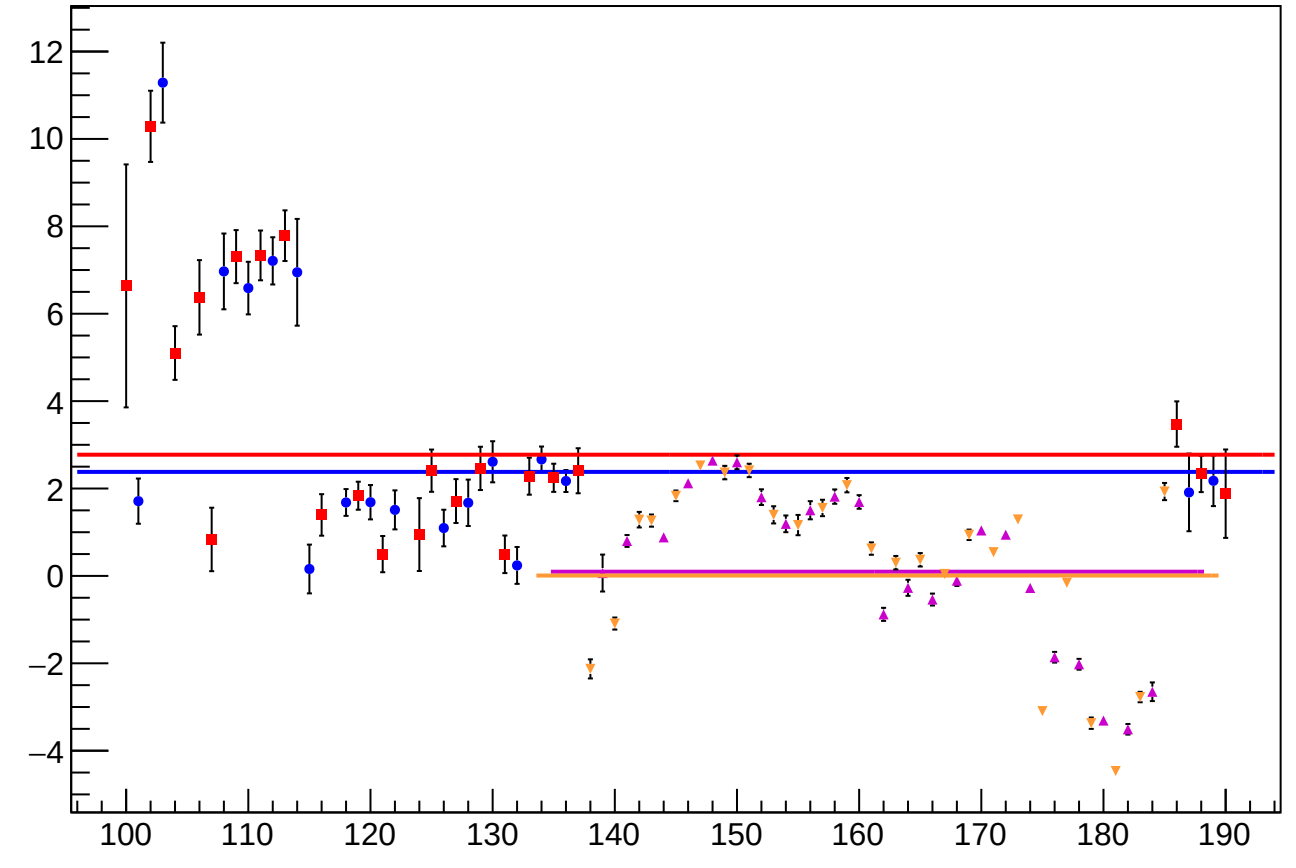
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.410+/-0.070 χ^2/NDF: 2331.4/39

In: 7.244+/-0.034 χ^2/NDF:13736.6/40

Out: 7.206+/-0.033 χ^2/NDF:20420.9/46

All: 7.224+/-0.023 χ^2/NDF: 34158.0/87



Right In: 2.380+/-0.106 χ^2/NDF: 334.3/17

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.774+/-0.109 χ^2/NDF: 414.7/21

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

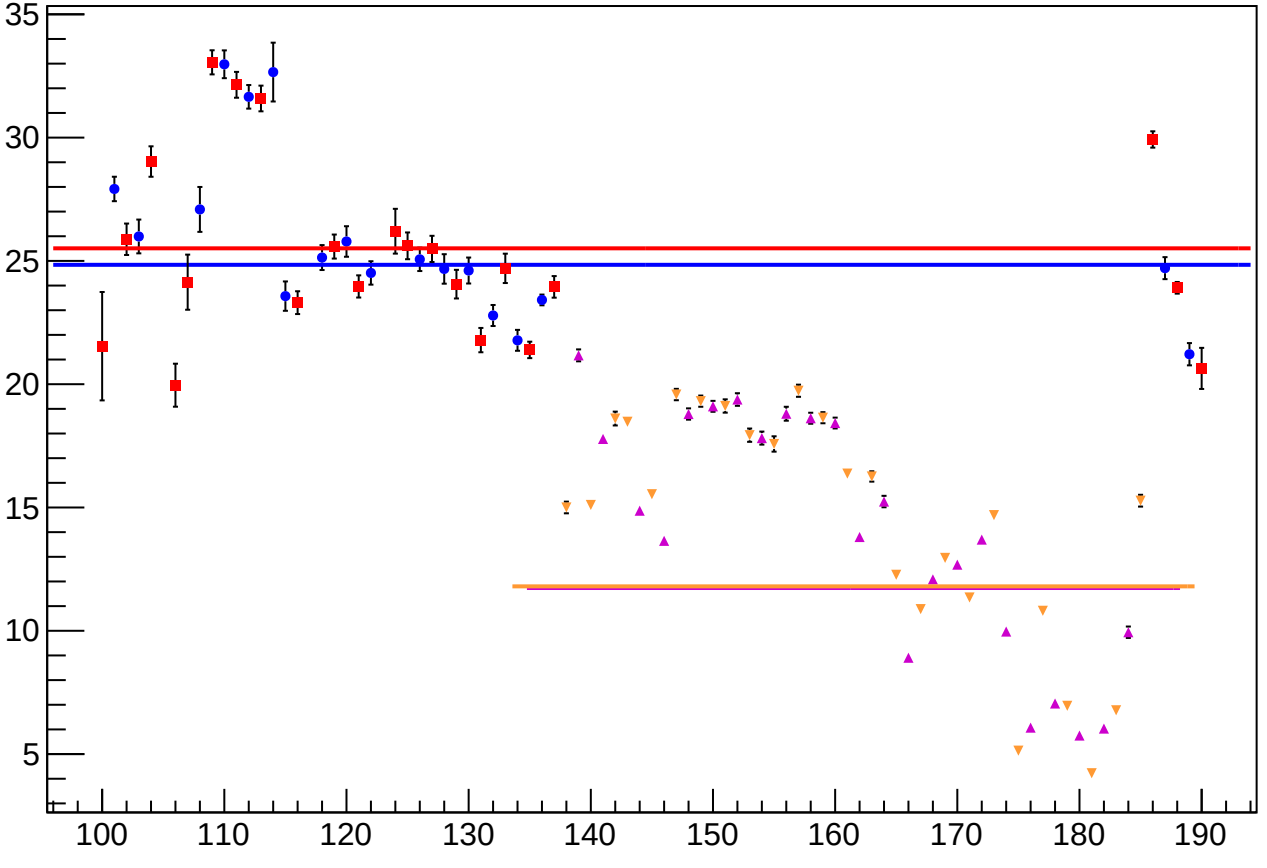
Right: 2.572+/-0.076 χ^2/NDF: 755.7/39

In: 0.247+/-0.027 χ^2/NDF:5203.4/40

Out: 0.175+/-0.027 χ^2/NDF:6786.2/46

All: 0.211+/-0.019 χ^2/NDF: 11993.2/87

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.841+/-0.110 χ^2/NDF: 692.2/17

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 25.510+/-0.103 χ^2/NDF: 1135.5/21

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

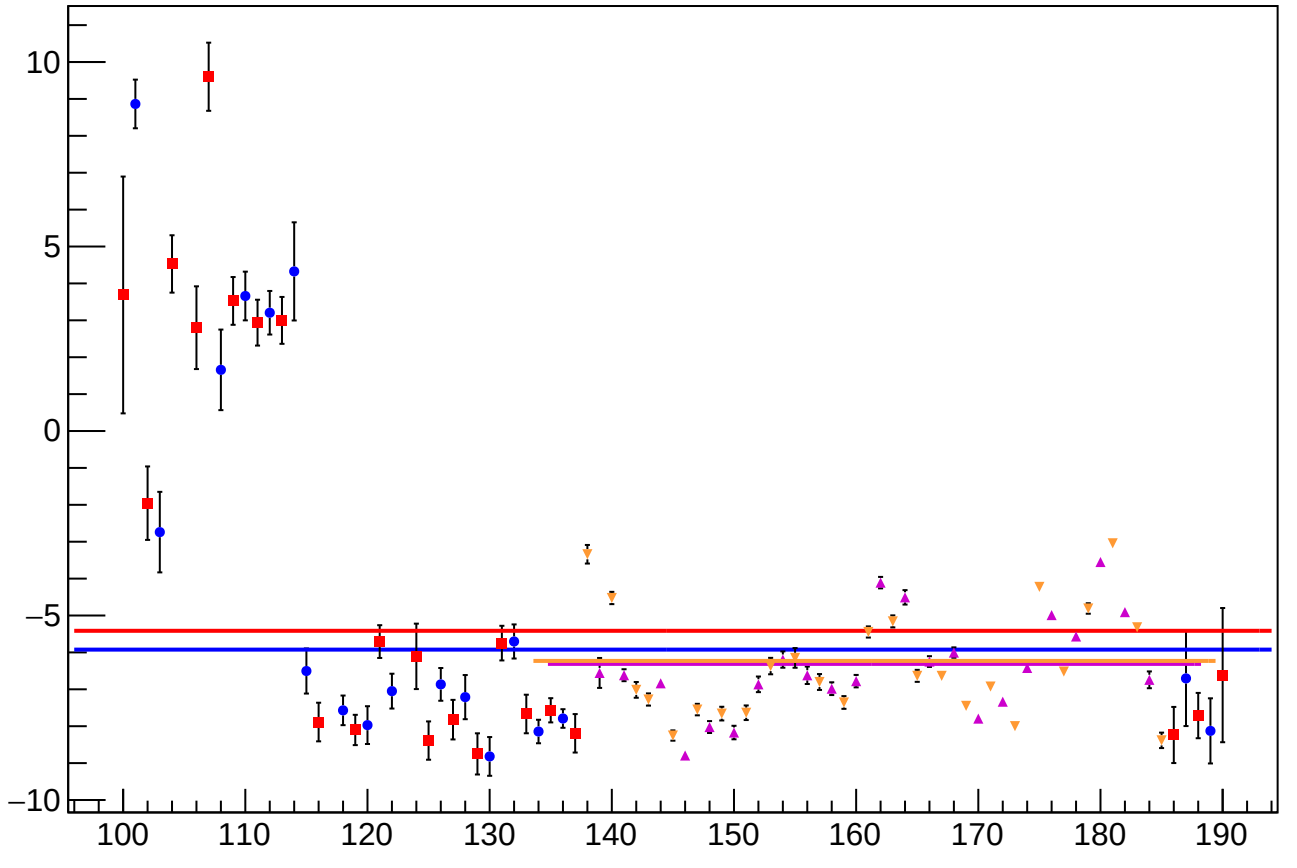
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 25.197+/-0.075 χ^2/NDF: 1847.3/39

In: 12.986+/-0.034 χ^2/NDF:31481.1/40

Out: 13.199+/-0.033 χ^2/NDF:38383.6/46

All: 13.096+/-0.024 χ^2/NDF: 69884.7/87



Right In: -5.924+/-0.119 χ^2/NDF: 1258.2/17

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.414+/-0.125 χ^2/NDF: 1322.3/21

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

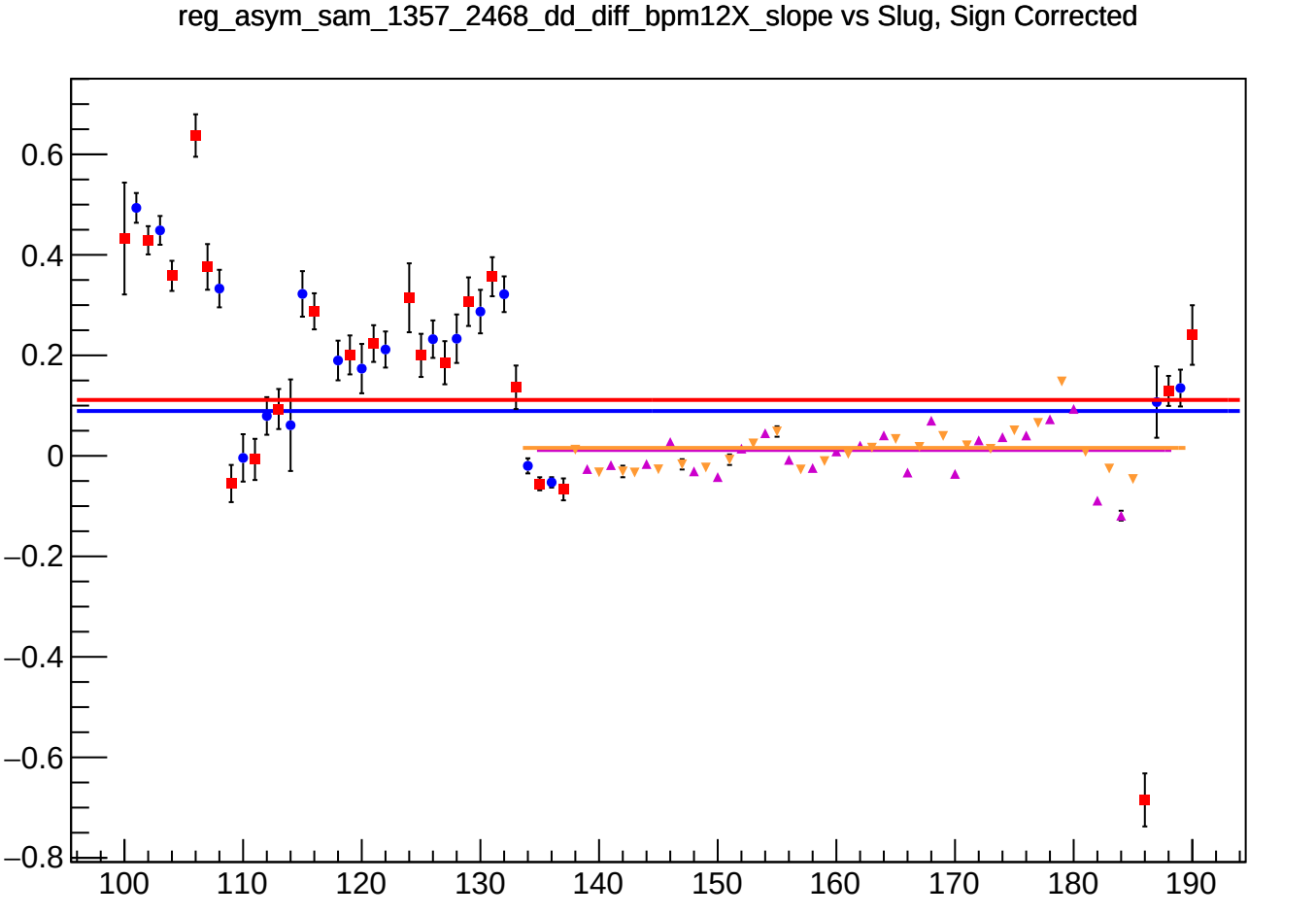
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.681+/-0.086 χ^2/NDF: 2589.2/39

In: -6.286+/-0.030 χ^2/NDF:3298.2/40

Out: -6.184+/-0.030 χ^2/NDF:3812.8/46

All: -6.234+/-0.021 χ^2/NDF: 7116.7/87



Right In: 0.089+/-0.006 χ^2/NDF: 769.7/17

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.111+/-0.007 χ^2/NDF: 997.8/21

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

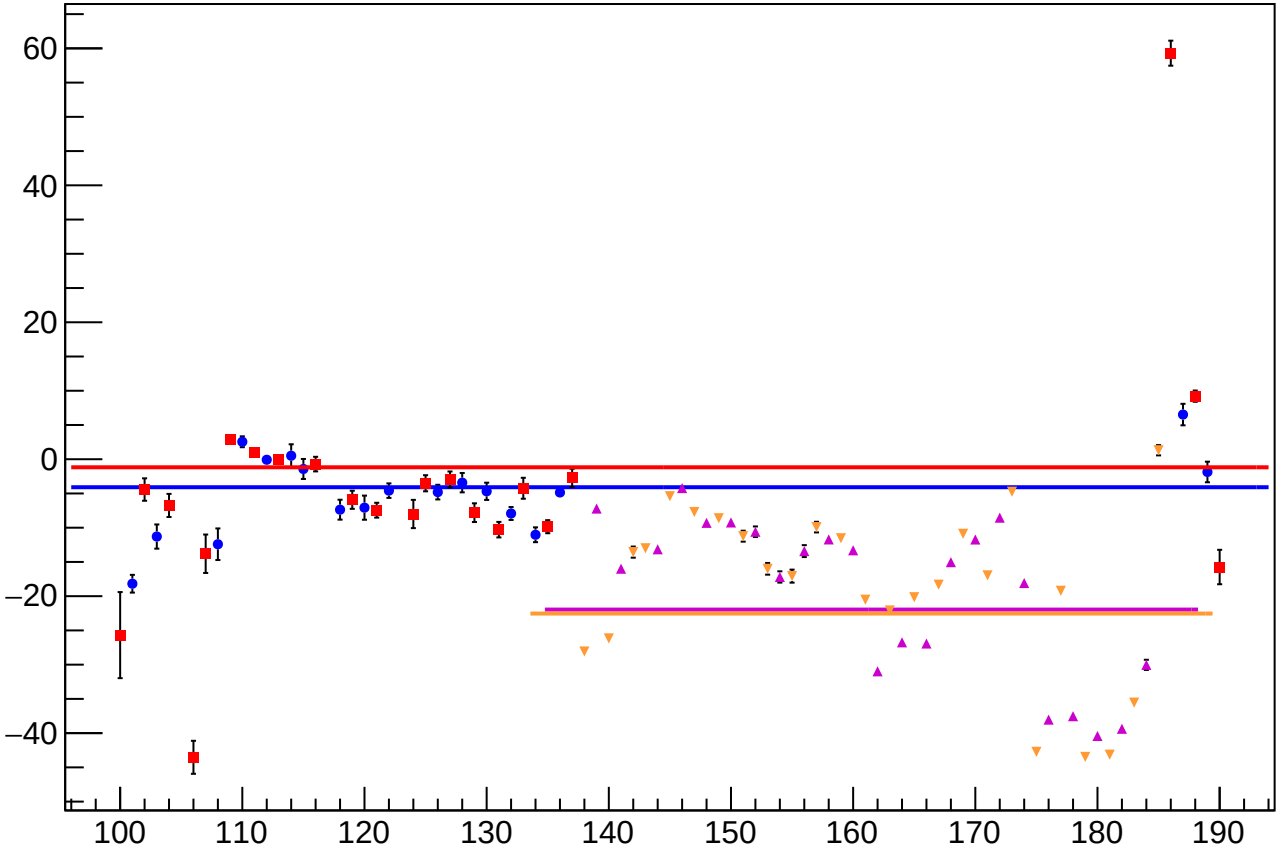
Right: 0.099+/-0.005 χ^2/NDF: 1772.9/39

In: 0.015+/-0.001 χ^2/NDF:2204.8/40

Out: 0.019+/-0.001 χ^2/NDF:2110.1/46

All: 0.017+/-0.001 χ^2/NDF: 4319.5/87

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.089+/-0.261 χ^2/NDF: 381.7/17

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -1.177+/-0.245 χ^2/NDF: 1940.3/21

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

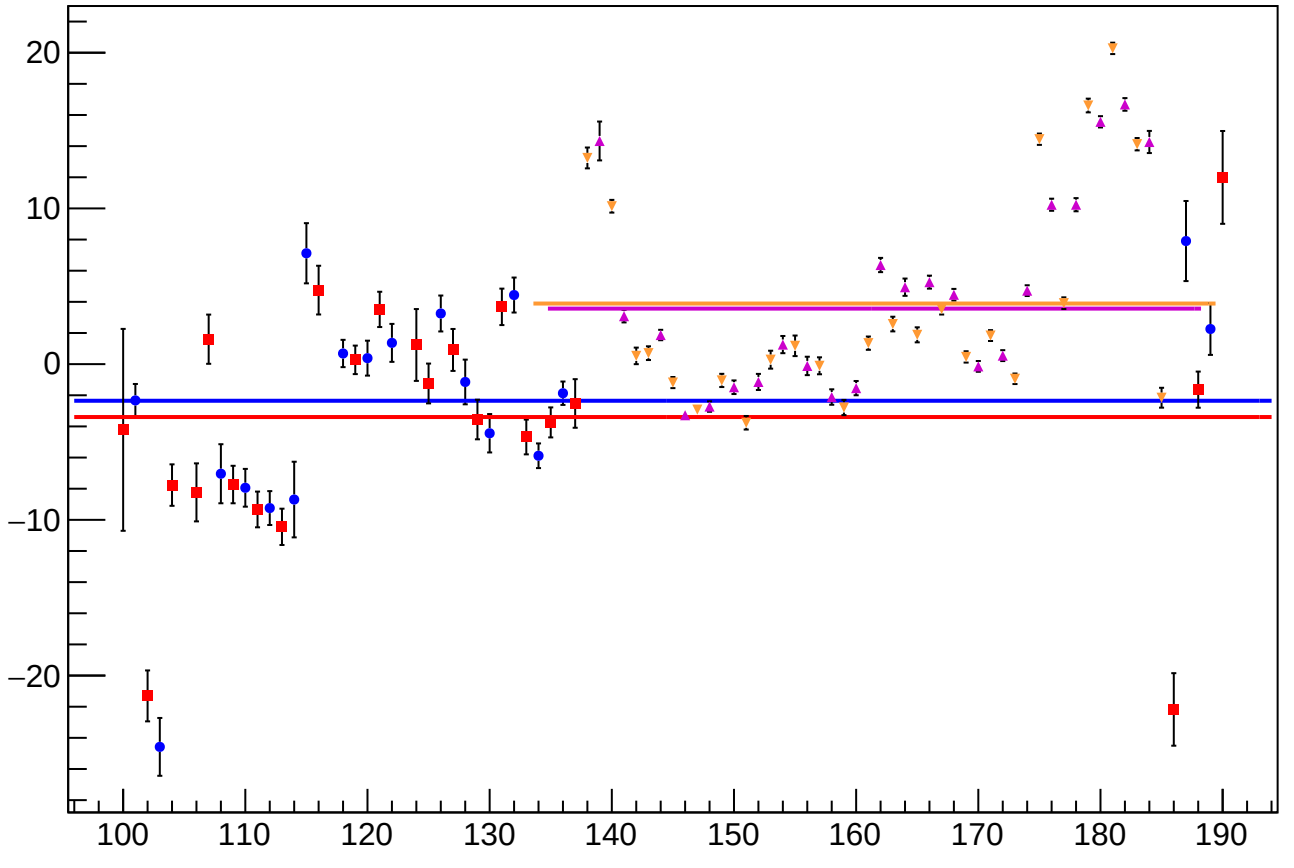
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -2.544+/-0.179 χ^2/NDF: 2388.2/39

In: -19.206+/-0.102 χ^2/NDF:16944.5/40

Out: -19.060+/-0.099 χ^2/NDF:24837.2/46

All: -19.131+/-0.071 χ^2/NDF: 41782.7/87



Right In: -2.352+/-0.280 χ^2/NDF: 376.4/17

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -3.397+/-0.286 χ^2/NDF: 453.6/21

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

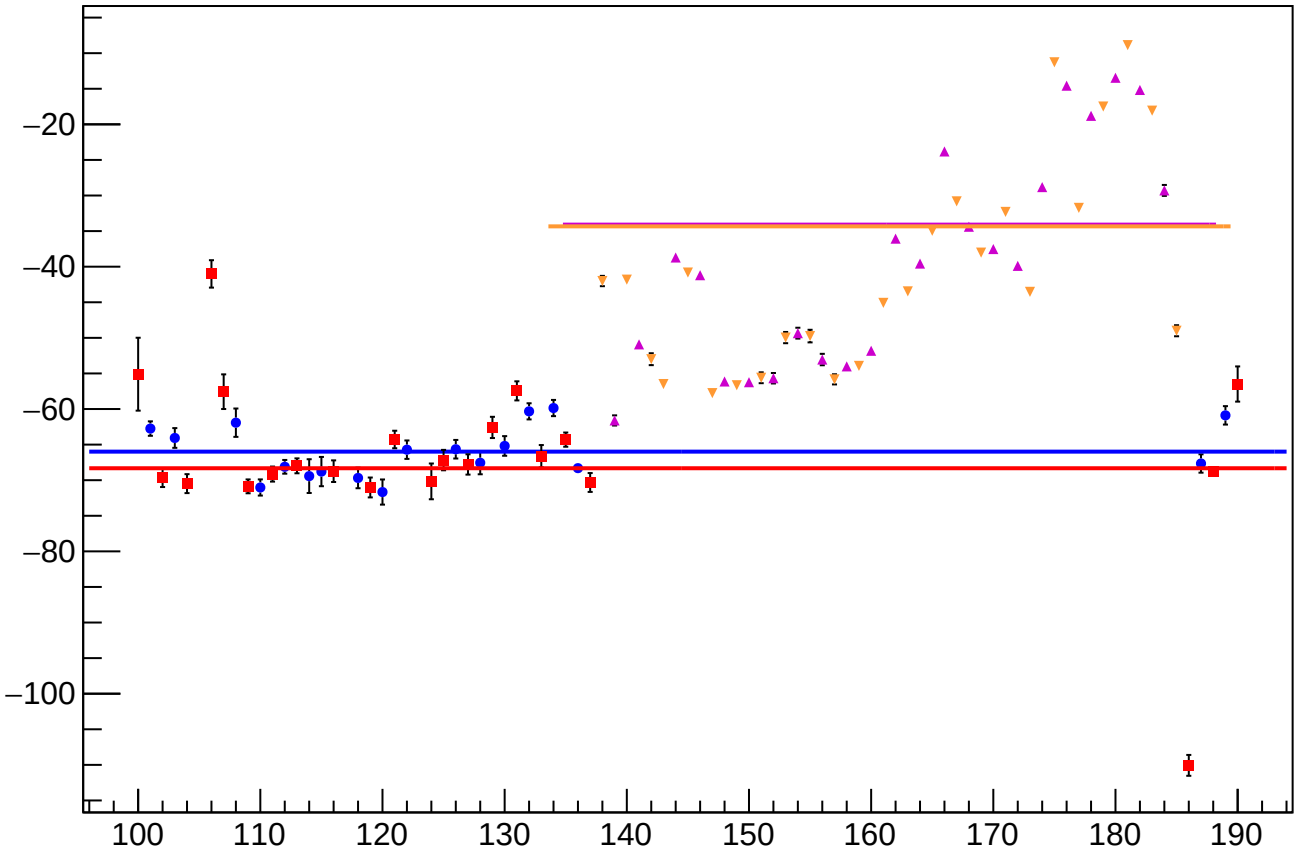
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -2.864+/-0.200 χ^2/NDF: 836.8/39

In: 3.053+/-0.082 χ^2/NDF:5523.9/40

Out: 3.308+/-0.081 χ^2/NDF:7776.0/46

All: 3.183+/-0.058 χ^2/NDF: 13304.9/87



Right In: -65.987+/-0.289 χ^2/NDF: 146.7/17

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -68.321+/-0.276 χ^2/NDF: 1188.7/21

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

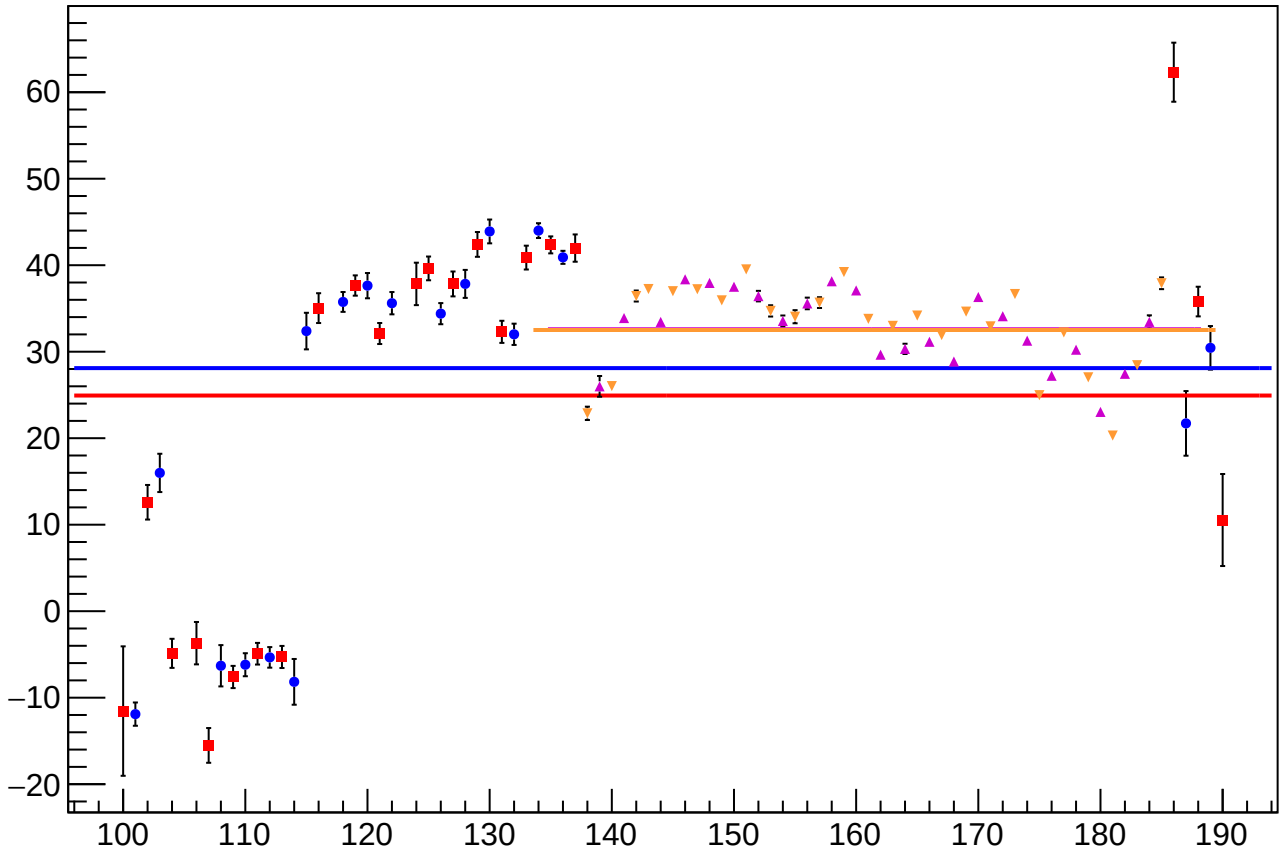
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -67.207+/-0.199 χ^2/NDF: 1369.6/39

In: -38.195+/-0.104 χ^2/NDF:28507.0/40

Out: -38.872+/-0.101 χ^2/NDF:35547.9/46

All: -38.543+/-0.072 χ^2/NDF: 64076.9/87



Right In: 28.103+/-0.316 χ^2/NDF: 3731.5/17

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.933+/-0.327 χ^2/NDF: 4013.6/21

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

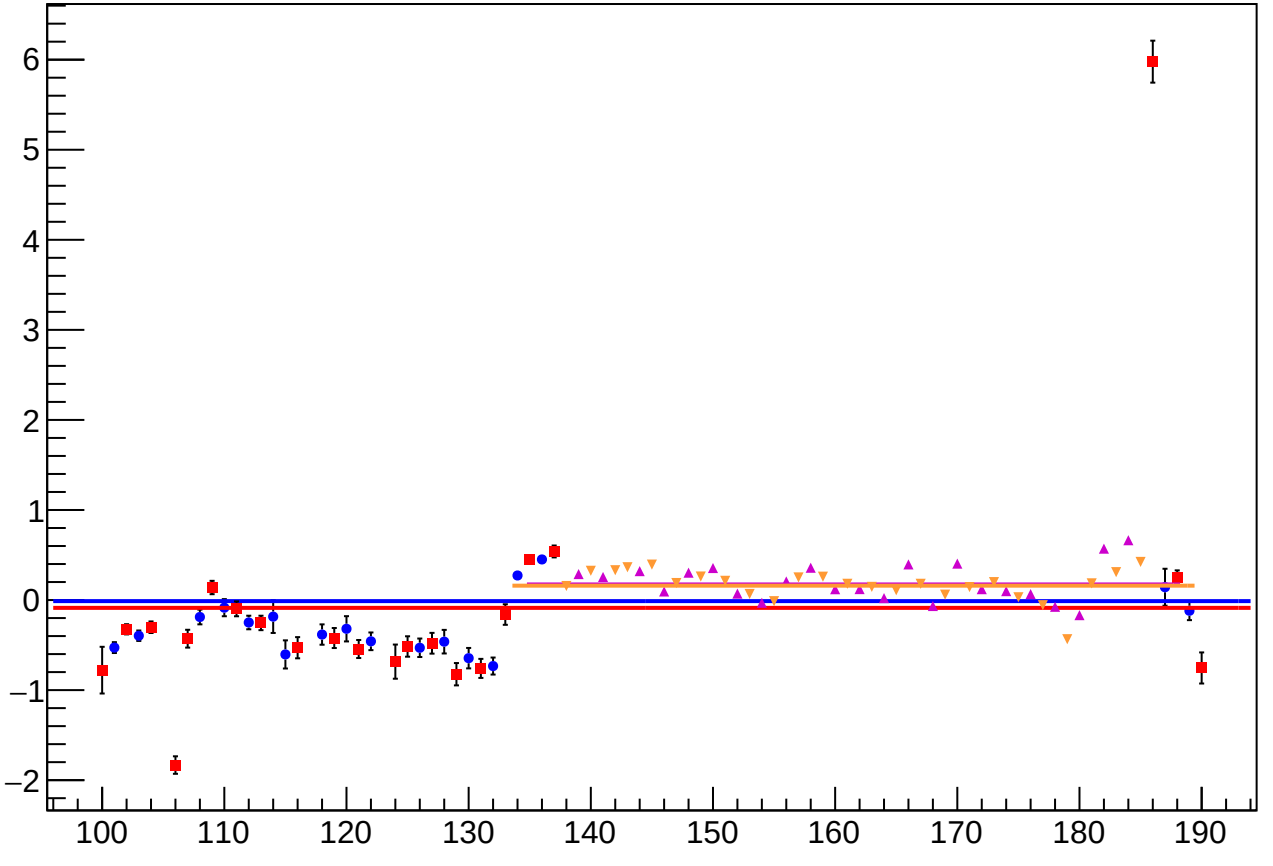
Right: 26.572+/-0.227 χ^2/NDF: 7793.7/39

In: 32.213+/-0.093 χ^2/NDF:5929.1/40

Out: 31.927+/-0.091 χ^2/NDF:7446.8/46

All: 32.068+/-0.065 χ^2/NDF: 13380.7/87

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 589.0/17

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.087+/-0.018 χ^2/NDF: 1534.1/21

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

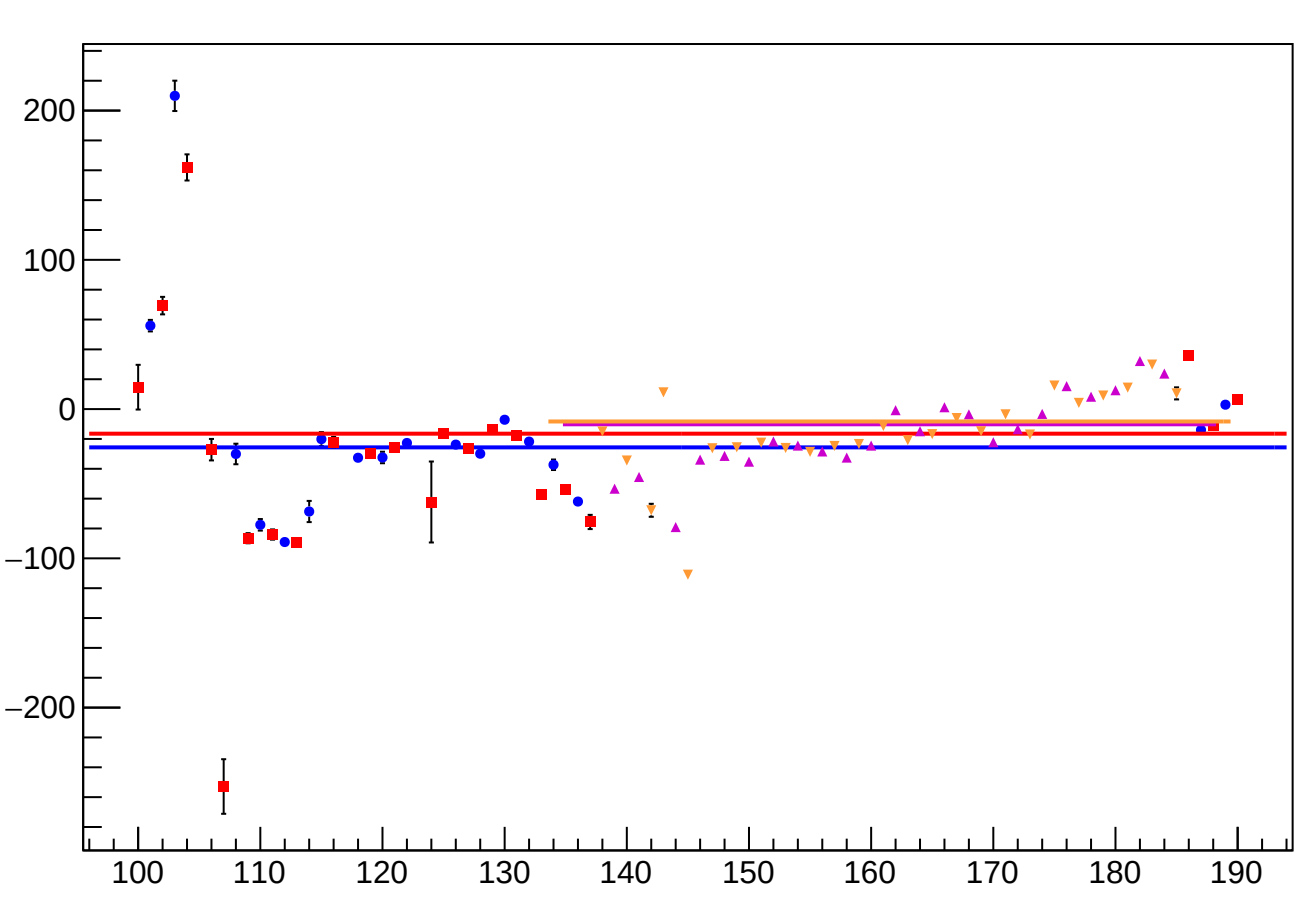
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.047+/-0.012 χ^2/NDF: 2132.2/39

In: 0.162+/-0.004 χ^2/NDF:2829.6/40

Out: 0.147+/-0.004 χ^2/NDF:3321.0/46

All: 0.154+/-0.003 χ^2/NDF: 6157.1/87



Right In: -25.651+/-0.731 χ^2/NDF: 2147.7/17

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -16.478+/-0.621 χ^2/NDF: 3921.4/21

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

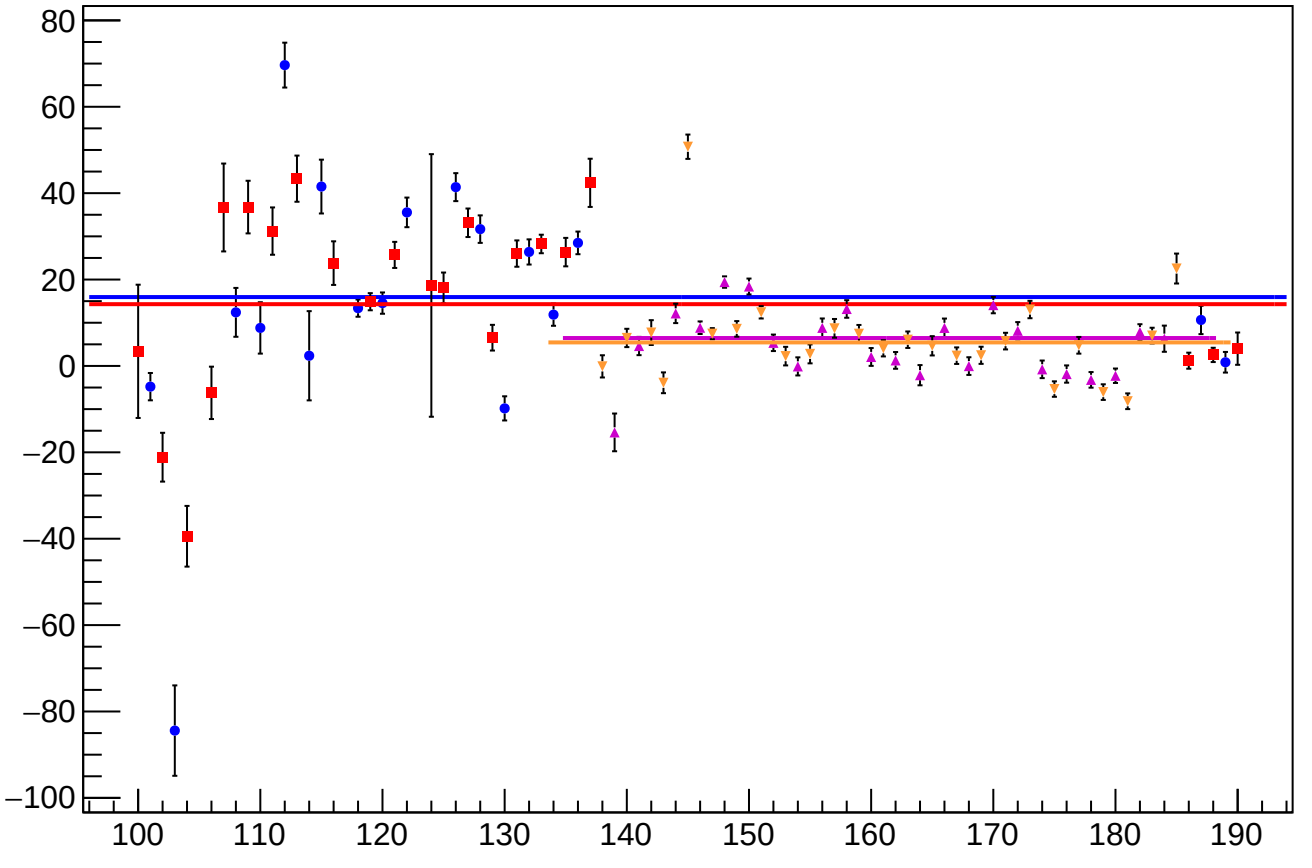
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -20.324+/-0.473 χ^2/NDF: 6160.6/39

In: -15.466+/-0.427 χ^2/NDF:4961.2/40

Out: -11.622+/-0.396 χ^2/NDF:6584.1/46

All: -13.398+/-0.290 χ^2/NDF: 11588.9/87



Right In: 15.945+/-0.757 χ^2/NDF: 548.7/17

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 14.300+/-0.698 χ^2/NDF: 429.2/21

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

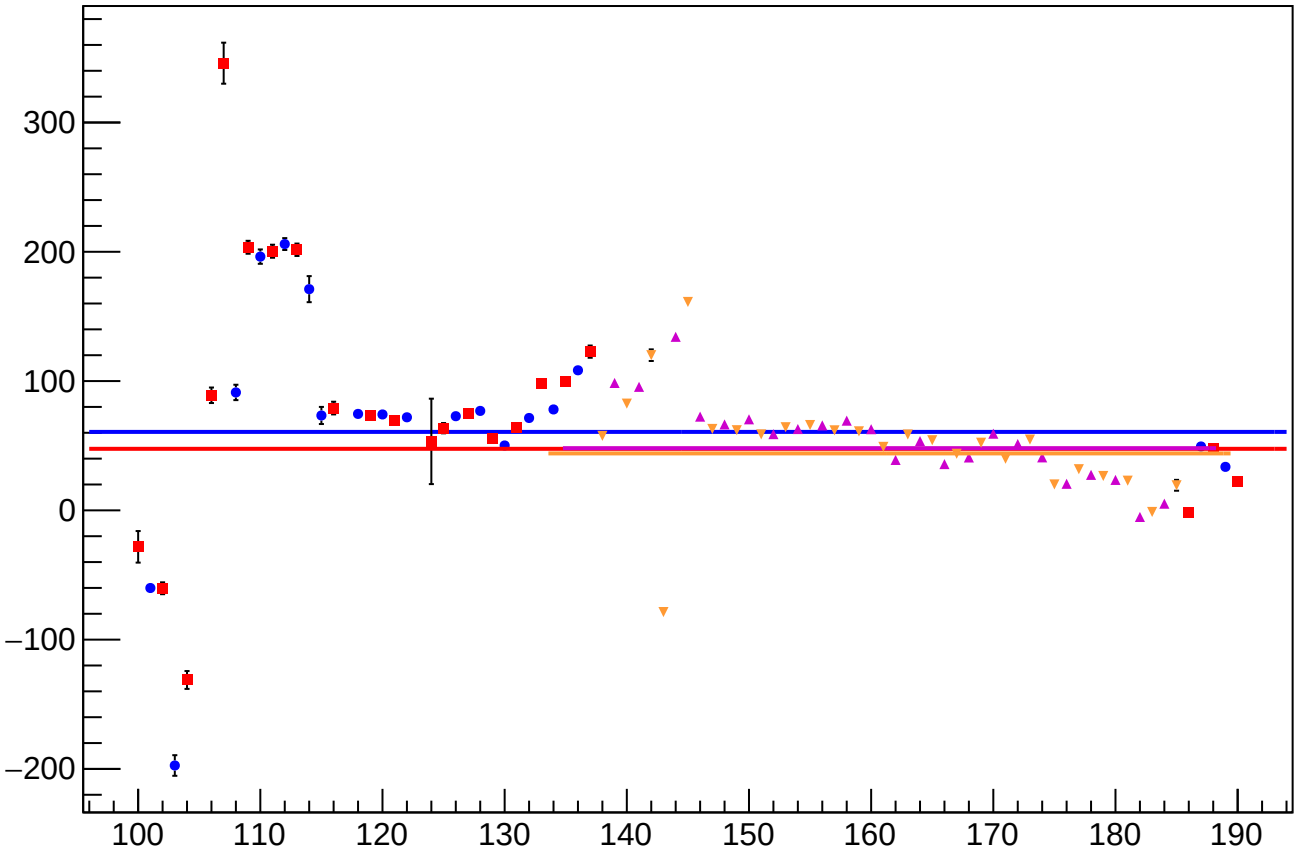
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 15.056+/-0.513 χ^2/NDF: 980.5/39

In: 8.597+/-0.359 χ^2/NDF:1006.4/40

Out: 7.585+/-0.343 χ^2/NDF:1045.0/46

All: 8.068+/-0.248 χ^2/NDF: 2055.5/87



Right In: 60.686+/-0.740 χ^2/NDF: 5222.0/17

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 47.596+/-0.584 χ^2/NDF: 7391.6/21

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

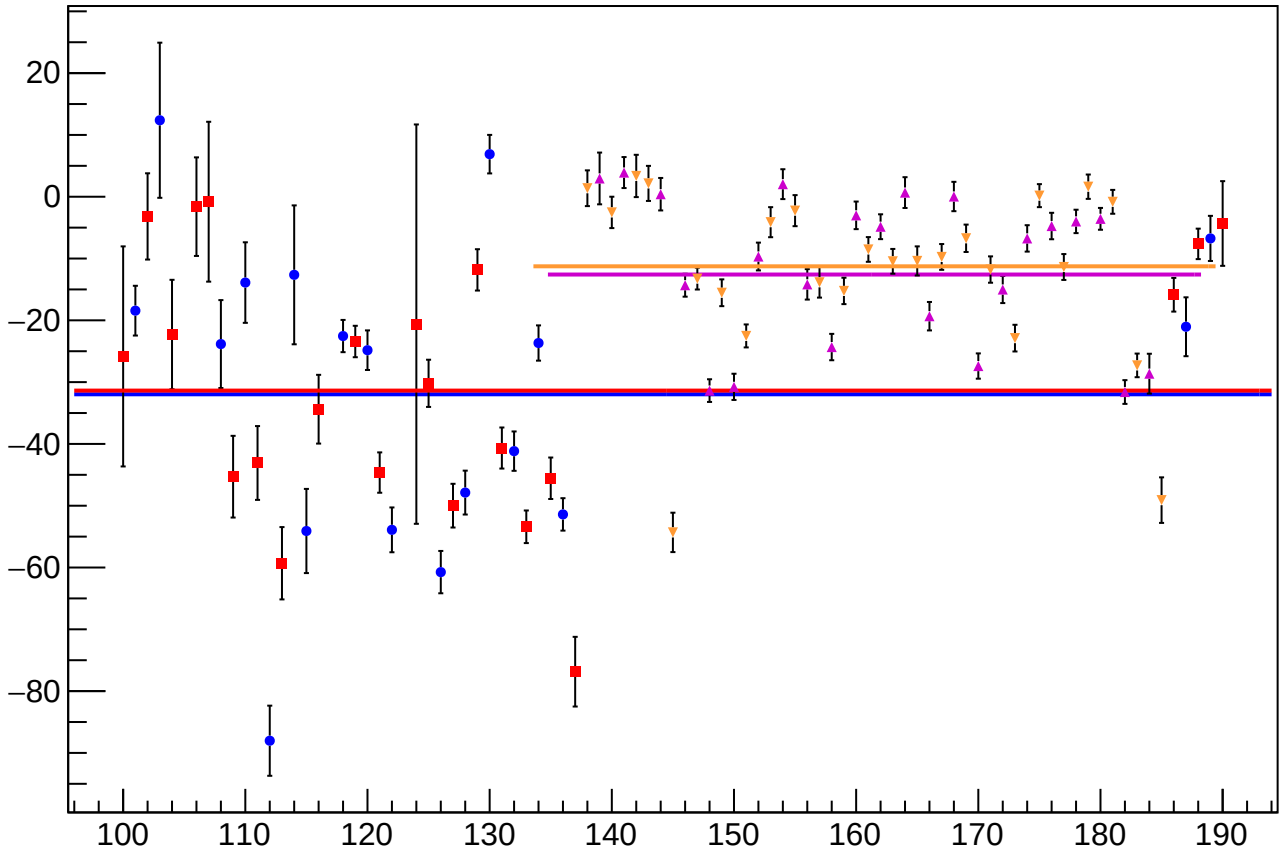
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 52.623+/-0.459 χ^2/NDF: 12806.2/39

In: 52.256+/-0.426 χ^2/NDF:8792.5/40

Out: 45.577+/-0.384 χ^2/NDF:11976.4/46

All: 48.572+/-0.285 χ^2/NDF: 20904.4/87



Right In: -31.969+/-0.896 χ^2/NDF: 569.2/17

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -31.370+/-0.866 χ^2/NDF: 457.8/21

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

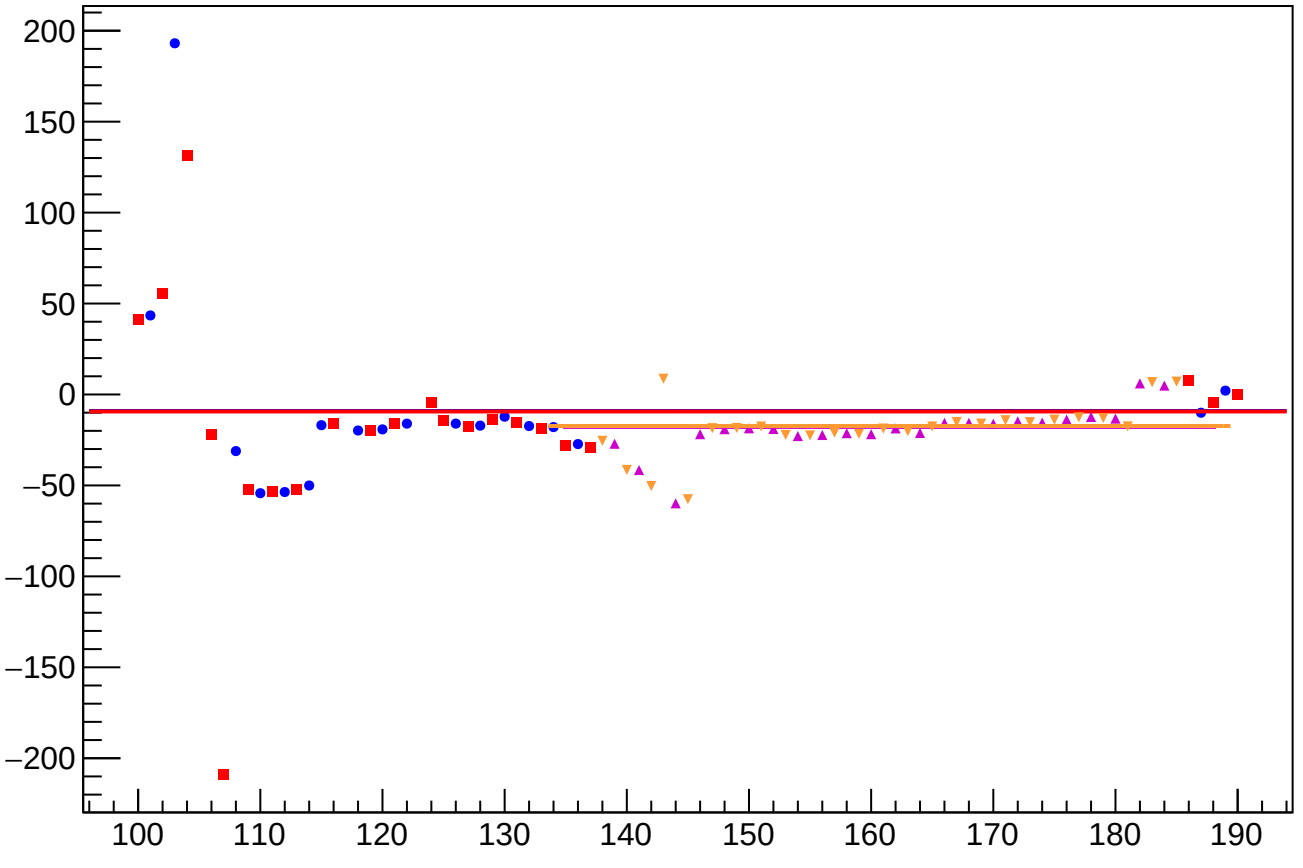
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -31.660+/-0.623 χ^2/NDF: 1027.2/39

In: -16.615+/-0.408 χ^2/NDF:1611.7/40

Out: -15.457+/-0.396 χ^2/NDF:1527.6/46

All: -16.018+/-0.284 χ^2/NDF: 3143.4/87



Right In: -9.079+/-0.053 χ^2/NDF: 527620.2/17

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -9.337+/-0.052 χ^2/NDF: 464334.4/21

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

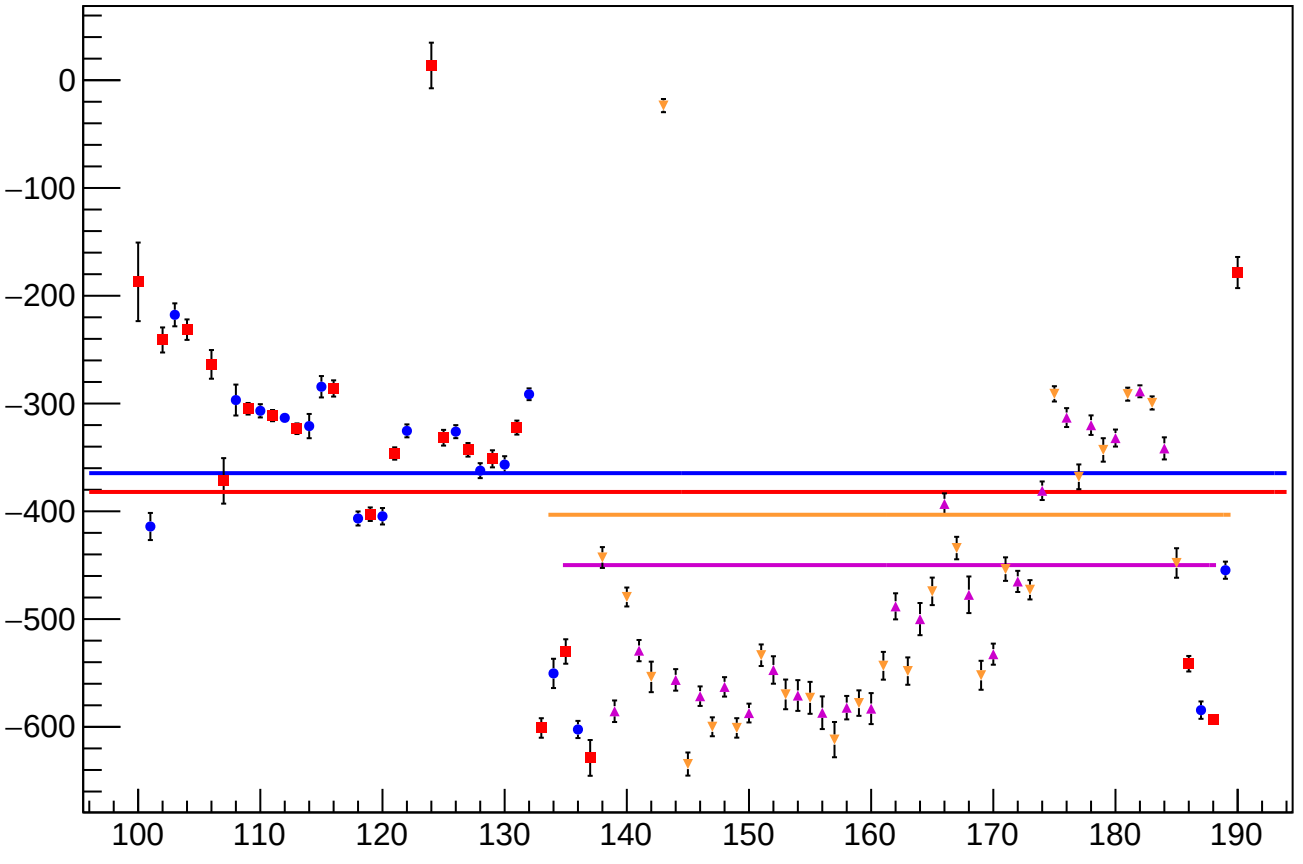
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -9.208+/-0.037 χ^2/NDF: 991966.7/39

In: -16.694+/-0.019 χ^2/NDF:819169.7/40

Out: -16.315+/-0.019 χ^2/NDF:832466.1/46

All: -16.502+/-0.013 χ^2/NDF: 1651839.0/87



Right In: -364.591+/-1.737 χ^2/NDF: 2807.3/17

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -382.041+/-1.578 χ^2/NDF: 5865.0/21

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

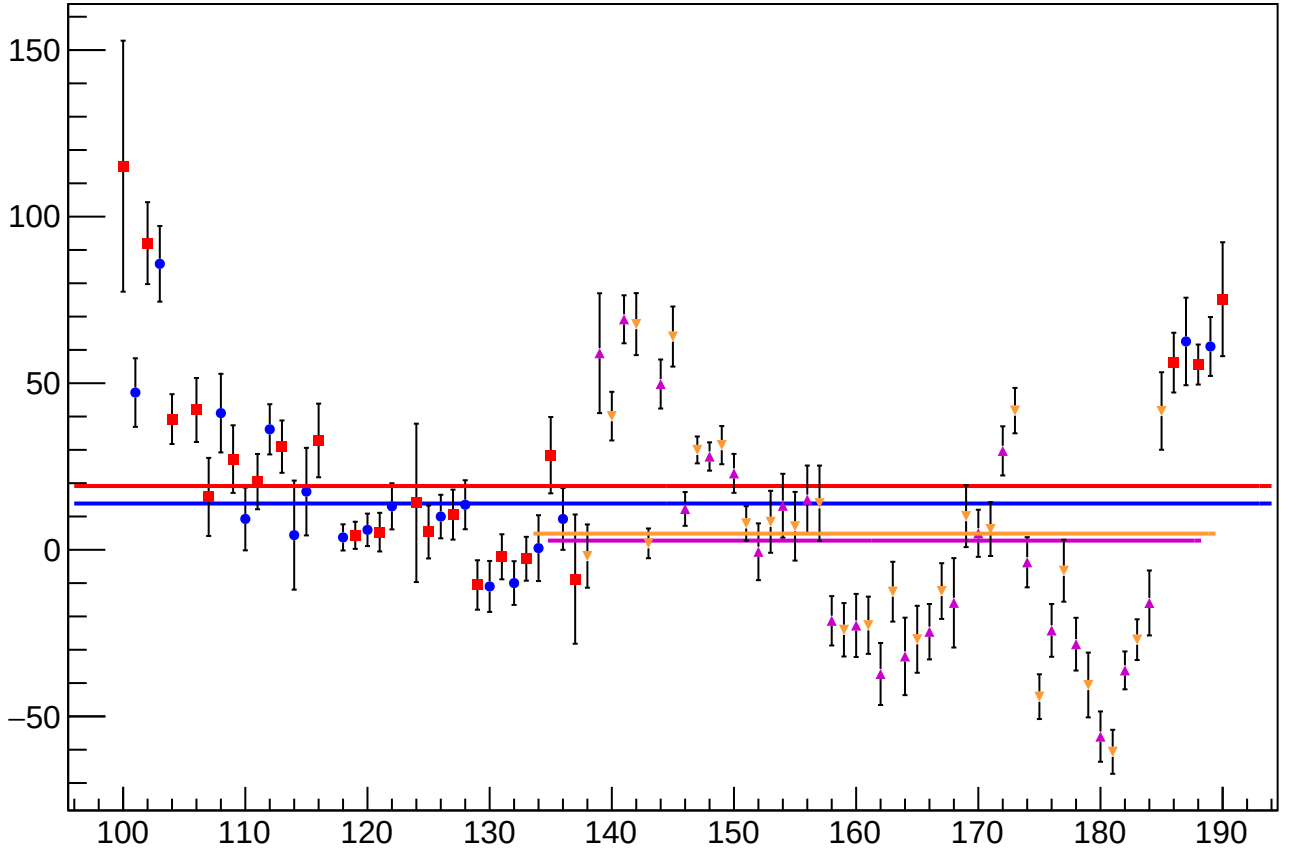
Right: -374.147+/-1.168 χ^2/NDF: 8727.6/39

In: -400.378+/-1.323 χ^2/NDF:7038.6/40

Out: -390.532+/-1.221 χ^2/NDF:13687.3/46

All: -395.061+/-0.897 χ^2/NDF: 20755.8/87

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.894+/-1.787 χ^2/NDF: 143.0/17

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 19.143+/-1.729 χ^2/NDF: 186.5/21

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

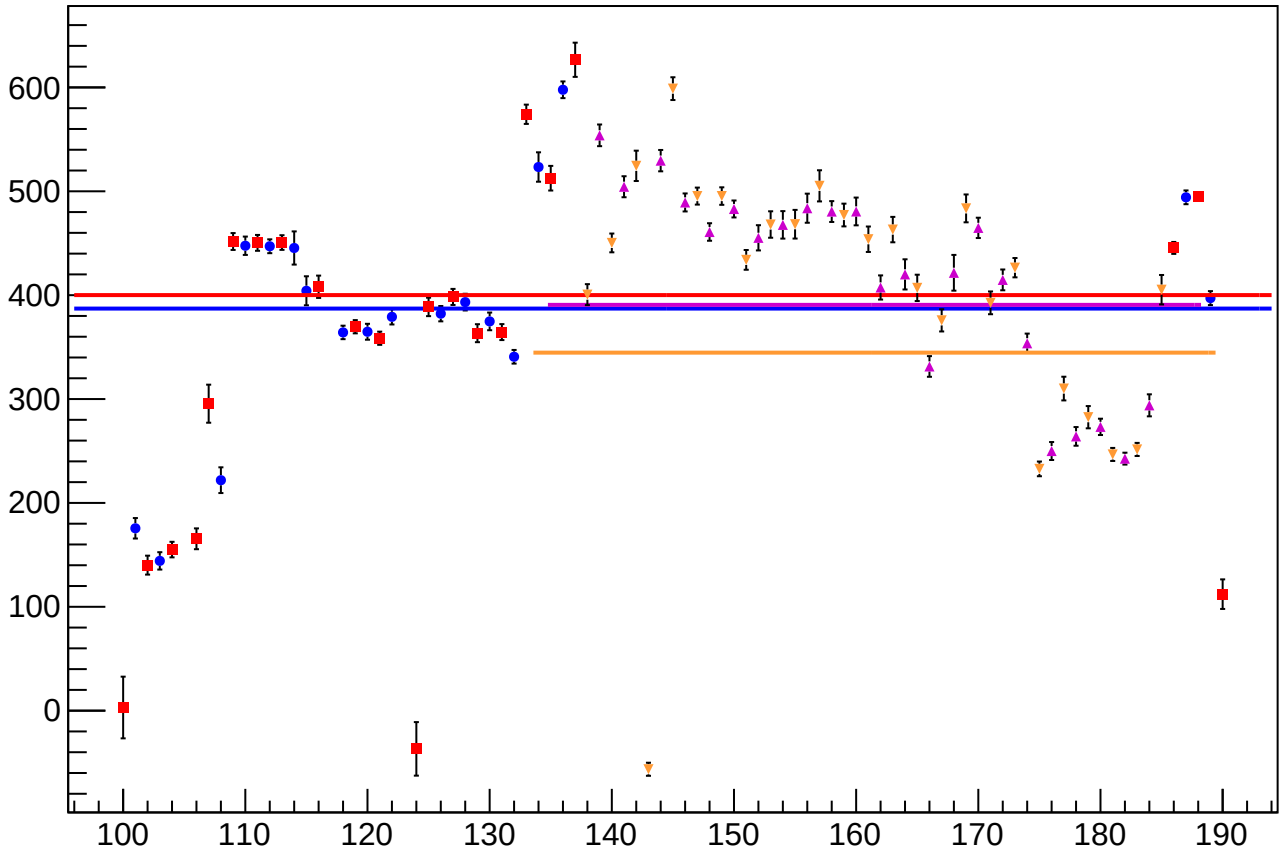
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 16.604+/-1.243 χ^2/NDF: 334.0/39

In: 7.552+/-1.173 χ^2/NDF:564.8/40

Out: 10.740+/-1.110 χ^2/NDF:683.9/46

All: 9.234+/-0.806 χ^2/NDF: 1252.5/87



Right In: 387.097+/-1.921 χ^2/NDF: 2744.5/17

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 400.079+/-1.674 χ^2/NDF: 5034.0/21

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

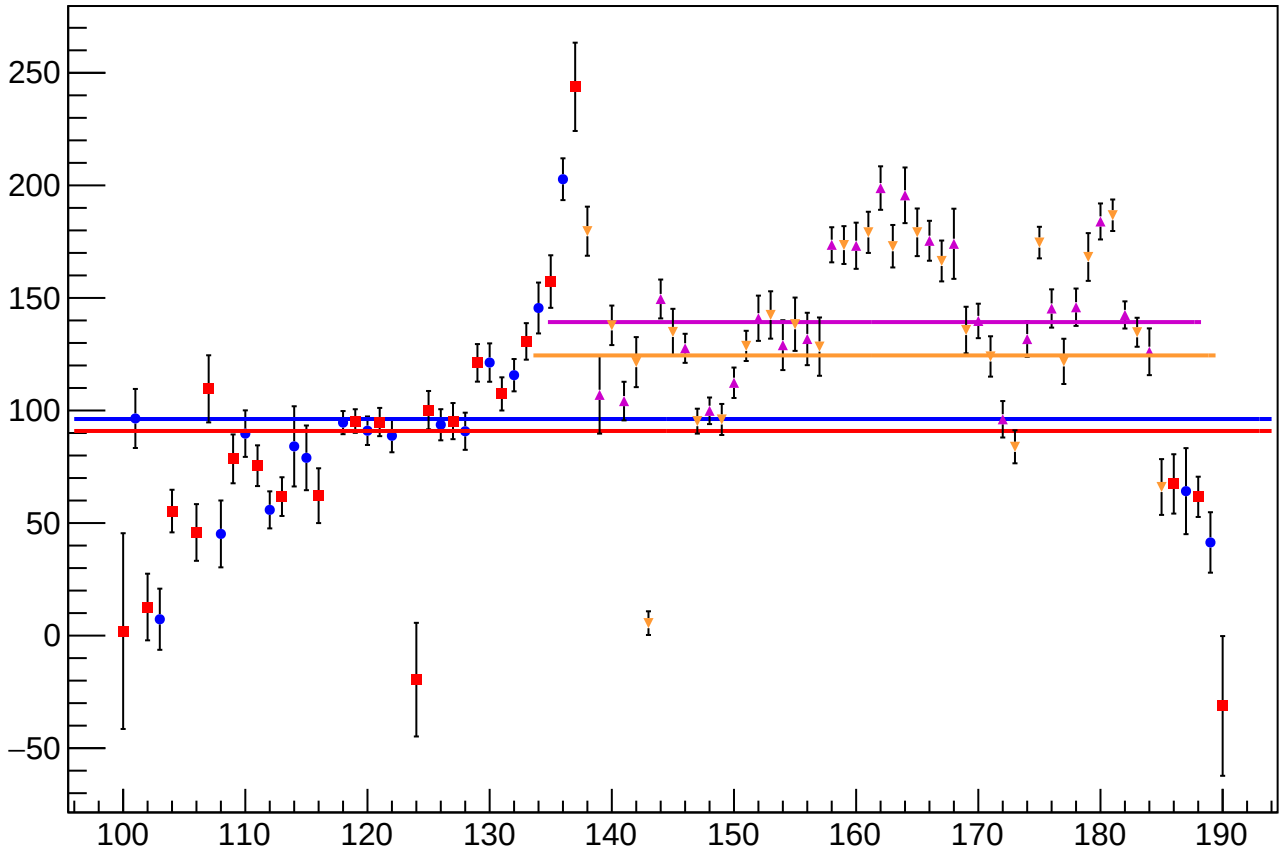
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 394.475+/-1.262 χ^2/NDF: 7804.4/39

In: 388.786+/-1.395 χ^2/NDF:5418.9/40

Out: 376.213+/-1.263 χ^2/NDF:12784.0/46

All: 381.876+/-0.936 χ^2/NDF: 18247.6/87



Right In: 96.219+/-2.104 χ^2/NDF: 269.7/17

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 90.900+/-2.050 χ^2/NDF: 268.3/21

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

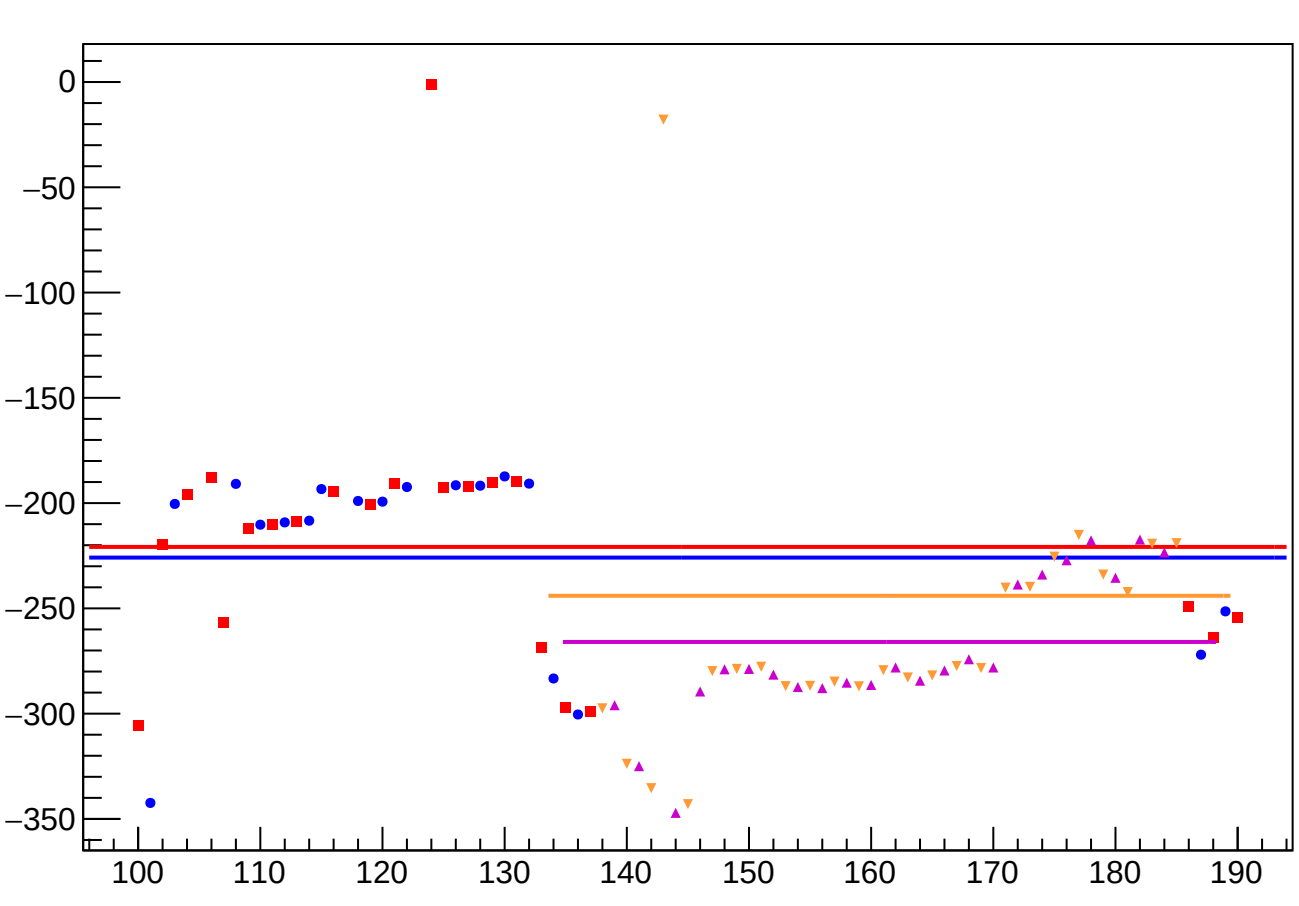
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 93.490+/-1.468 χ^2/NDF: 541.3/39

In: 121.443+/-1.354 χ^2/NDF:775.8/40

Out: 111.155+/-1.291 χ^2/NDF:1367.7/46

All: 116.053+/-0.934 χ^2/NDF: 2173.7/87



Right In: -225.879+/-0.134 χ^2/NDF: 125587.0/17

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -220.807+/-0.127 χ^2/NDF: 94125.2/21

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

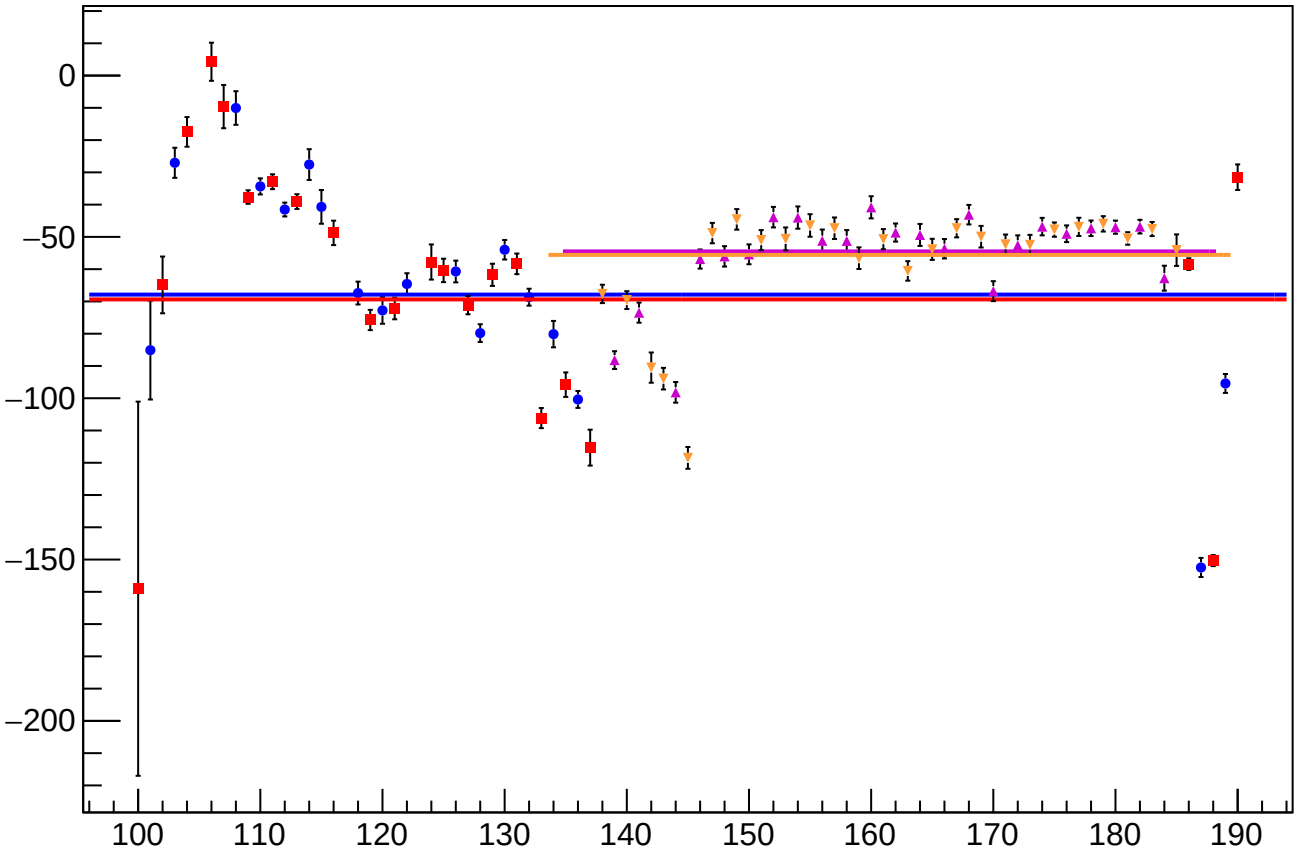
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -223.206+/-0.092 χ^2/NDF: 220472.6/39

In: -255.262+/-0.069 χ^2/NDF:361579.9/40

Out: -237.707+/-0.066 χ^2/NDF:1116595.7/46

All: -246.099+/-0.048 χ^2/NDF: 1512019.4/87



Right In: -67.887+/-0.770 χ^2/NDF: 1747.8/17

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -69.378+/-0.657 χ^2/NDF: 3711.8/21

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

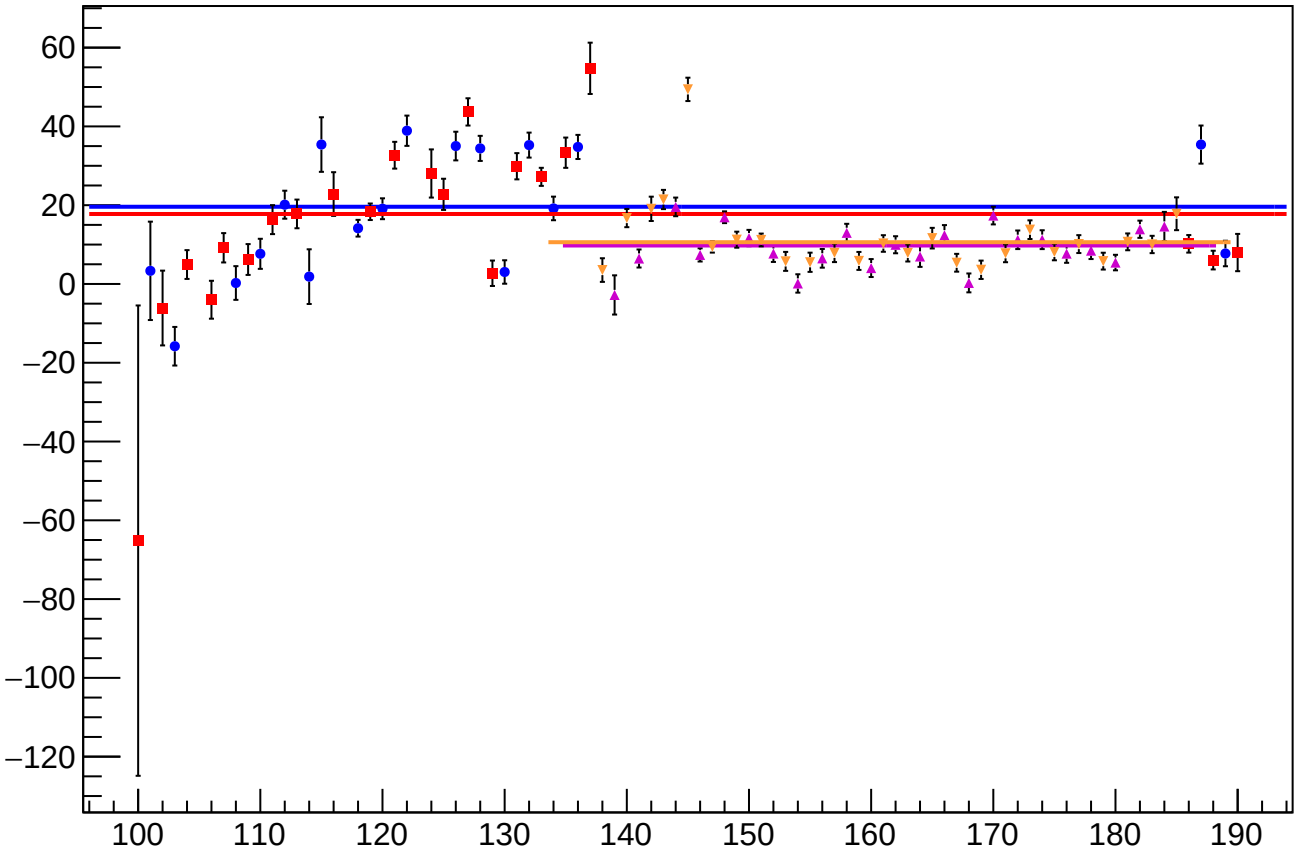
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -68.750+/-0.500 χ^2/NDF: 5461.8/39

In: -59.619+/-0.476 χ^2/NDF:2434.7/40

Out: -61.738+/-0.439 χ^2/NDF:4642.6/46

All: -60.765+/-0.323 χ^2/NDF: 7088.0/87



Right In: 19.602+/-0.826 χ^2/NDF: 271.4/17

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.765+/-0.740 χ^2/NDF: 276.6/21

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

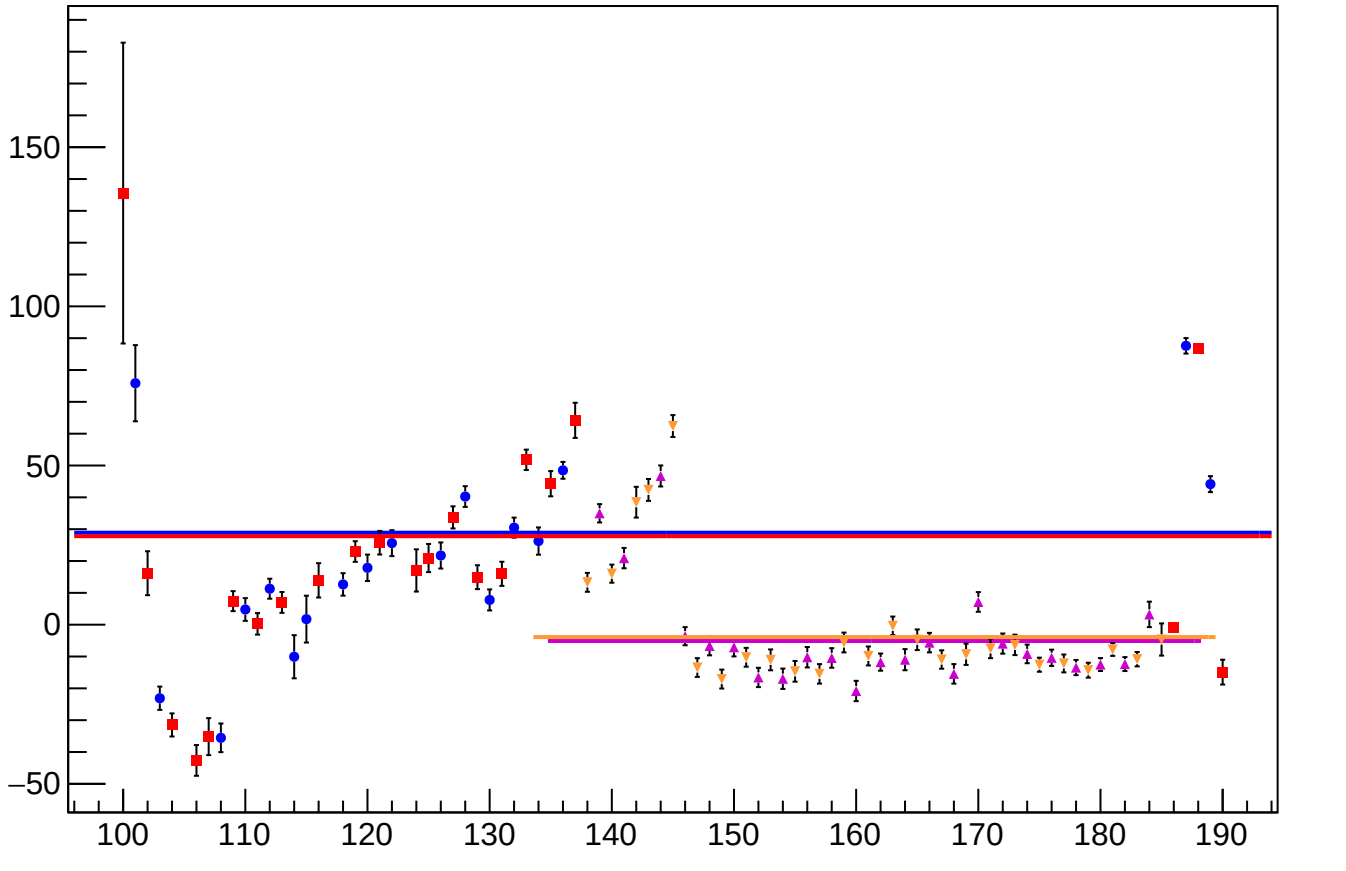
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 18.583+/-0.551 χ^2/NDF: 550.7/39

In: 12.149+/-0.406 χ^2/NDF:500.0/40

Out: 12.534+/-0.384 χ^2/NDF:600.2/46

All: 12.353+/-0.279 χ^2/NDF: 1100.7/87



Right In: 28.894+/-0.839 χ^2/NDF: 1307.2/17

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.794+/-0.671 χ^2/NDF: 3253.4/21

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

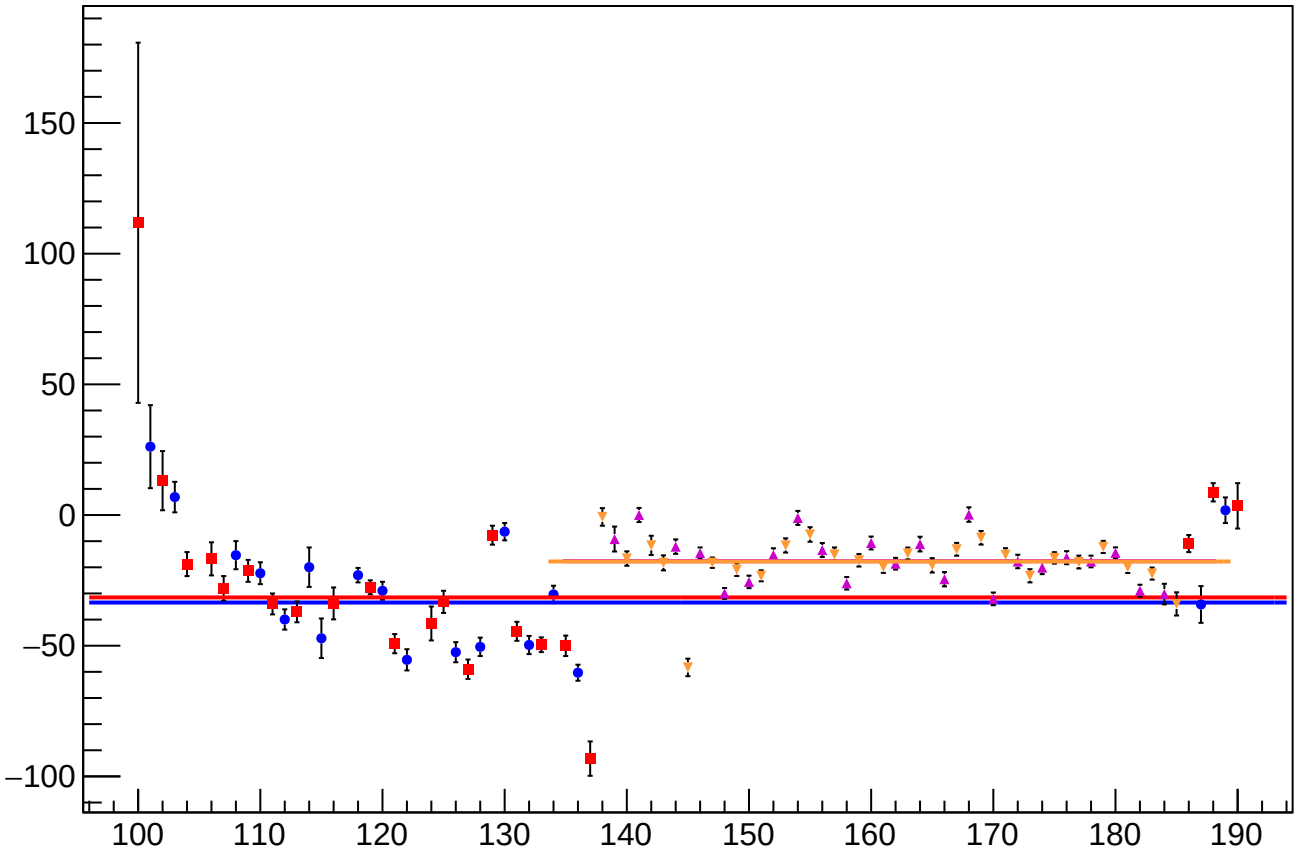
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 28.224+/-0.524 χ^2/NDF: 4561.6/39

In: 6.379+/-0.488 χ^2/NDF:3045.3/40

Out: 9.789+/-0.441 χ^2/NDF:5370.4/46

All: 8.255+/-0.327 χ^2/NDF: 8442.6/87



Right In: -33.476+/-0.962 χ^2/NDF: 400.5/17

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -31.519+/-0.894 χ^2/NDF: 519.7/21

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

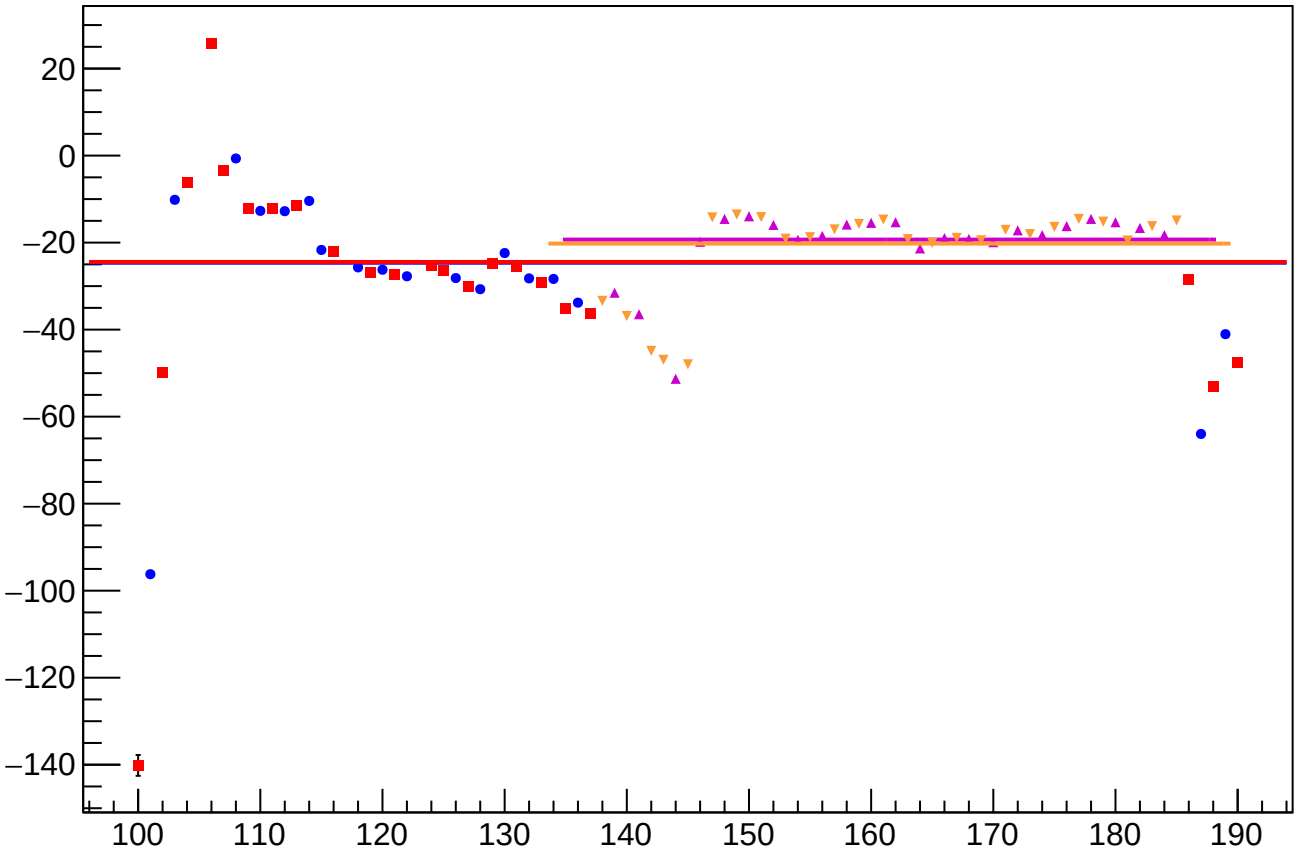
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -32.426+/-0.655 χ^2/NDF: 922.4/39

In: -21.289+/-0.461 χ^2/NDF:895.1/40

Out: -21.141+/-0.442 χ^2/NDF:949.9/46

All: -21.212+/-0.319 χ^2/NDF: 1845.0/87



Right In: -24.618+/-0.055 χ^2/NDF: 64791.4/17

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -24.446+/-0.054 χ^2/NDF: 126322.4/21

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

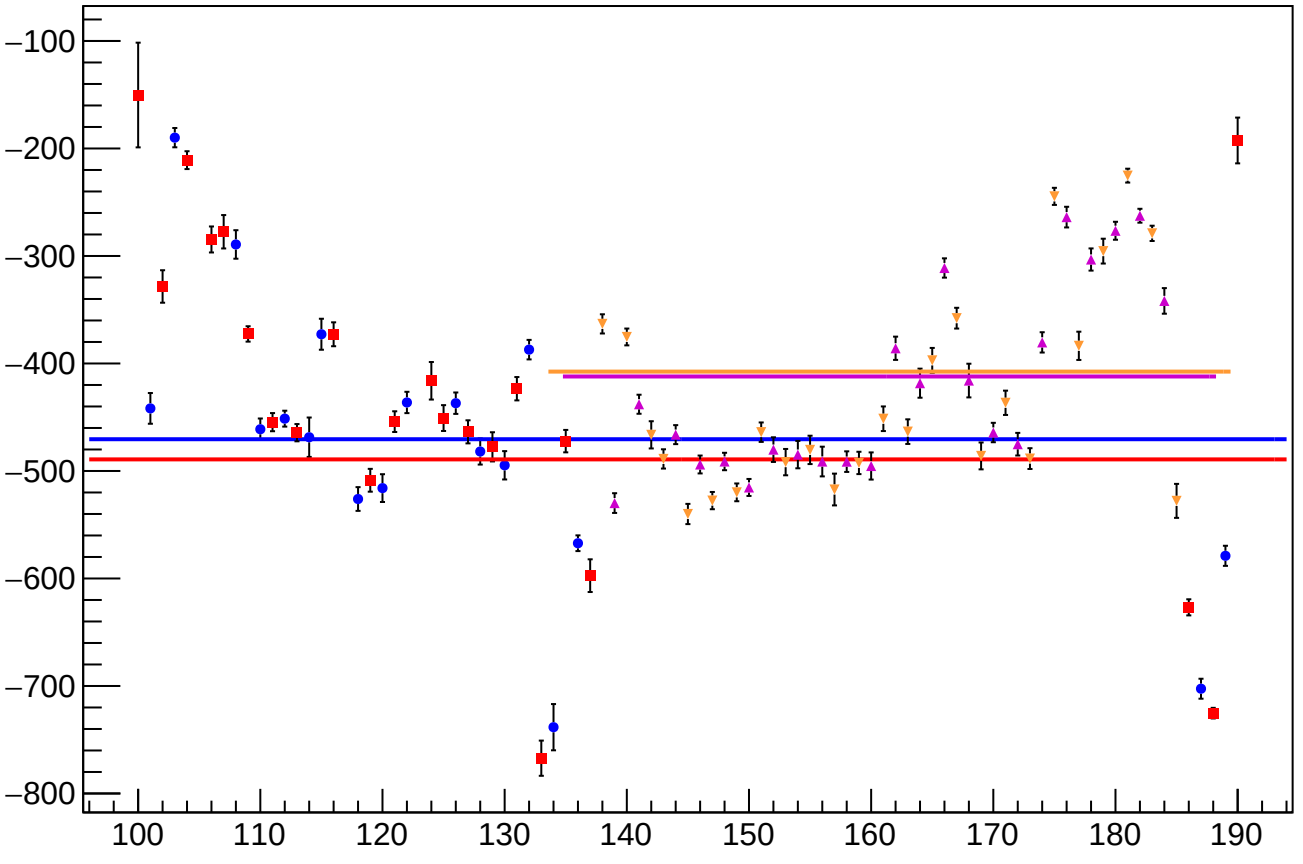
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -24.529+/-0.039 χ^2/NDF: 191118.7/39

In: -20.103+/-0.021 χ^2/NDF:165664.3/40

Out: -20.877+/-0.021 χ^2/NDF:278929.6/46

All: -20.498+/-0.015 χ^2/NDF: 445257.8/87



Right In: -470.462+/-2.484 χ^2/NDF: 2459.6/17

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -489.223+/-2.141 χ^2/NDF: 5404.9/21

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

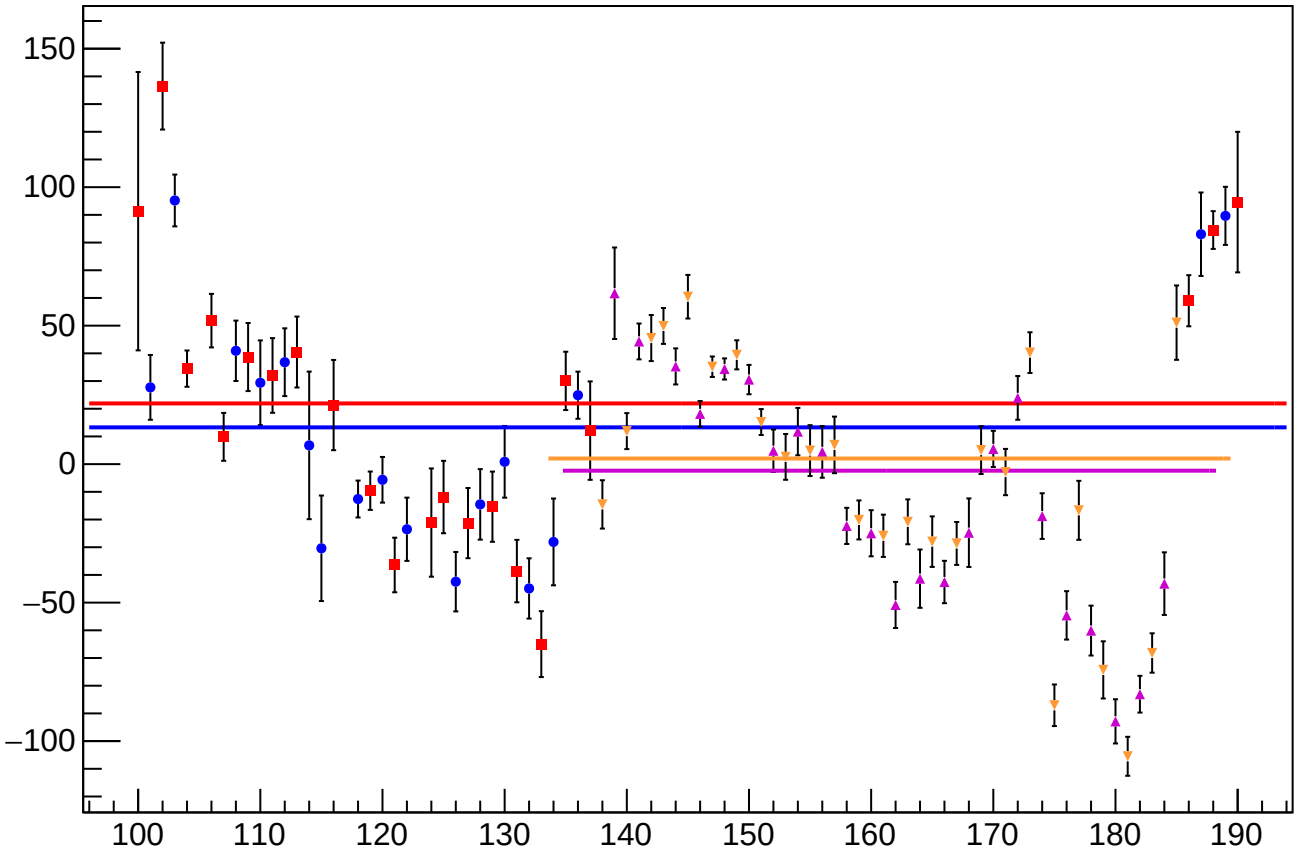
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -481.225+/-1.622 χ^2/NDF: 7897.2/39

In: -435.173+/-1.562 χ^2/NDF:4975.7/40

Out: -444.602+/-1.442 χ^2/NDF:9072.4/46

All: -440.262+/-1.059 χ^2/NDF: 14067.8/87



Right In: 13.277+/-2.601 χ^2/NDF: 270.0/17

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 21.915+/-2.307 χ^2/NDF: 354.2/21

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

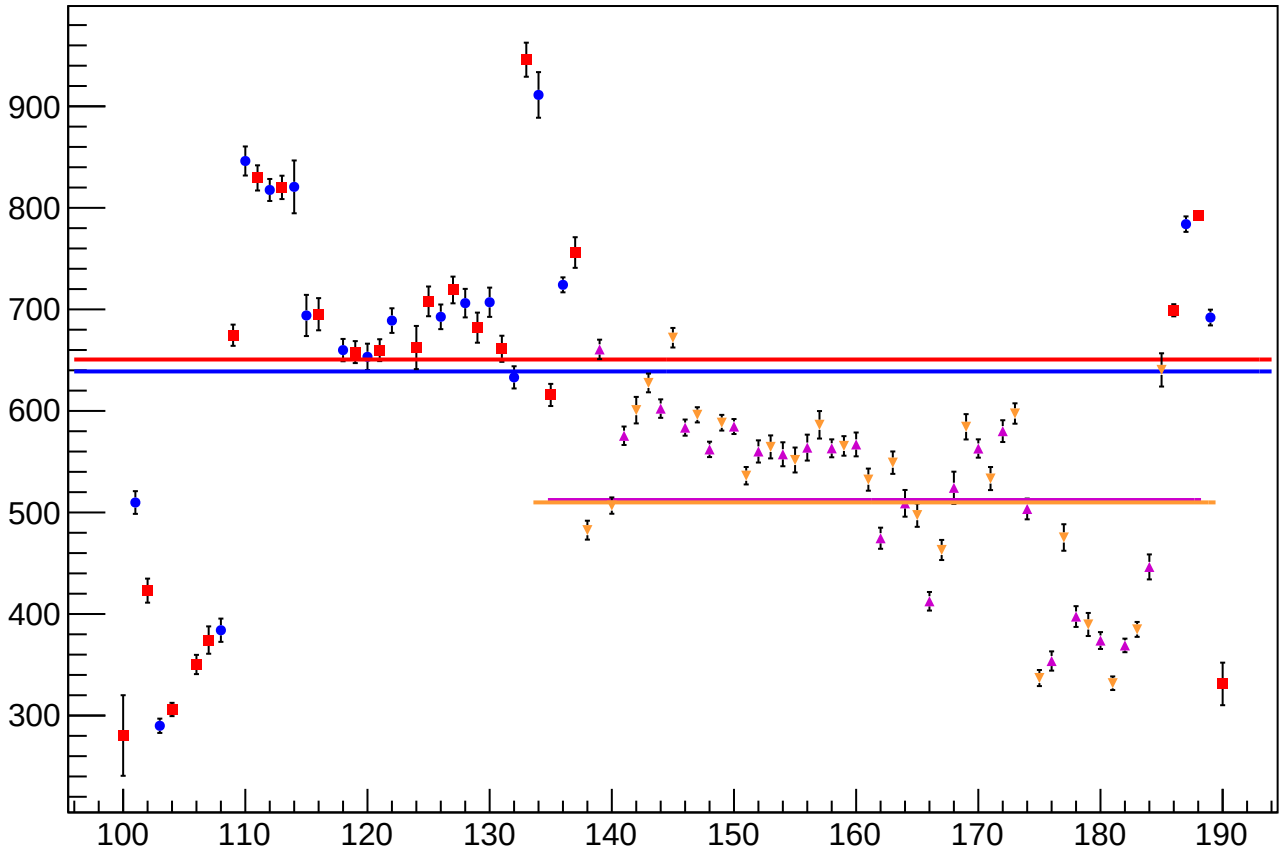
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 18.110+/-1.726 χ^2/NDF: 630.5/39

In: 1.471+/-1.288 χ^2/NDF:1030.7/40

Out: 7.529+/-1.213 χ^2/NDF:1318.7/46

All: 4.681+/-0.883 χ^2/NDF: 2361.1/87



Right In: 638.894+/-2.554 χ^2/NDF: 4396.3/17

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 650.647+/-2.105 χ^2/NDF: 7095.0/21

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

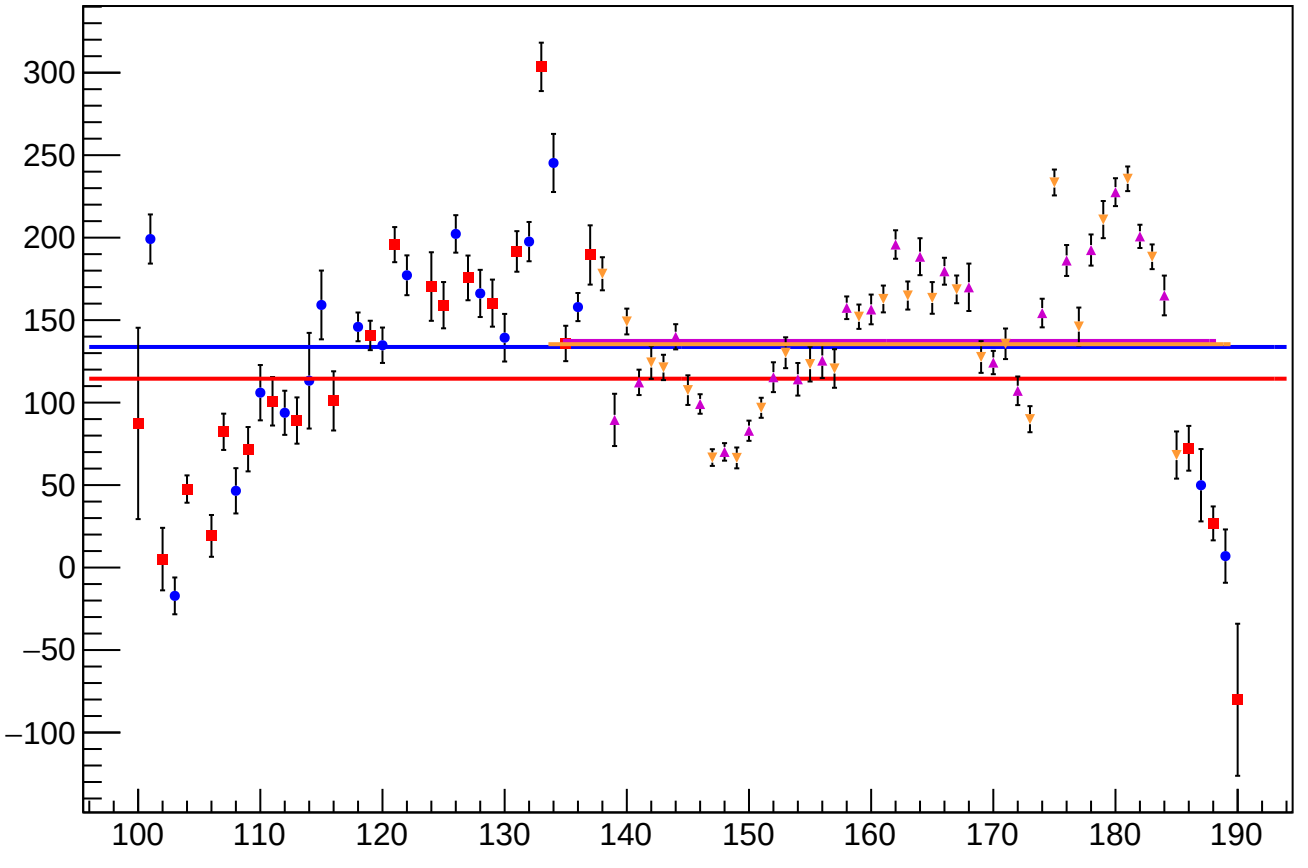
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 645.892+/-1.624 χ^2/NDF: 11504.0/39

In: 559.922+/-1.567 χ^2/NDF:8017.1/40

Out: 574.392+/-1.425 χ^2/NDF:12179.6/46

All: 567.842+/-1.054 χ^2/NDF: 20243.4/87



Right In: 133.729+/-3.063 χ^2/NDF: 465.8/17

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 114.492+/-2.794 χ^2/NDF: 620.5/21

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

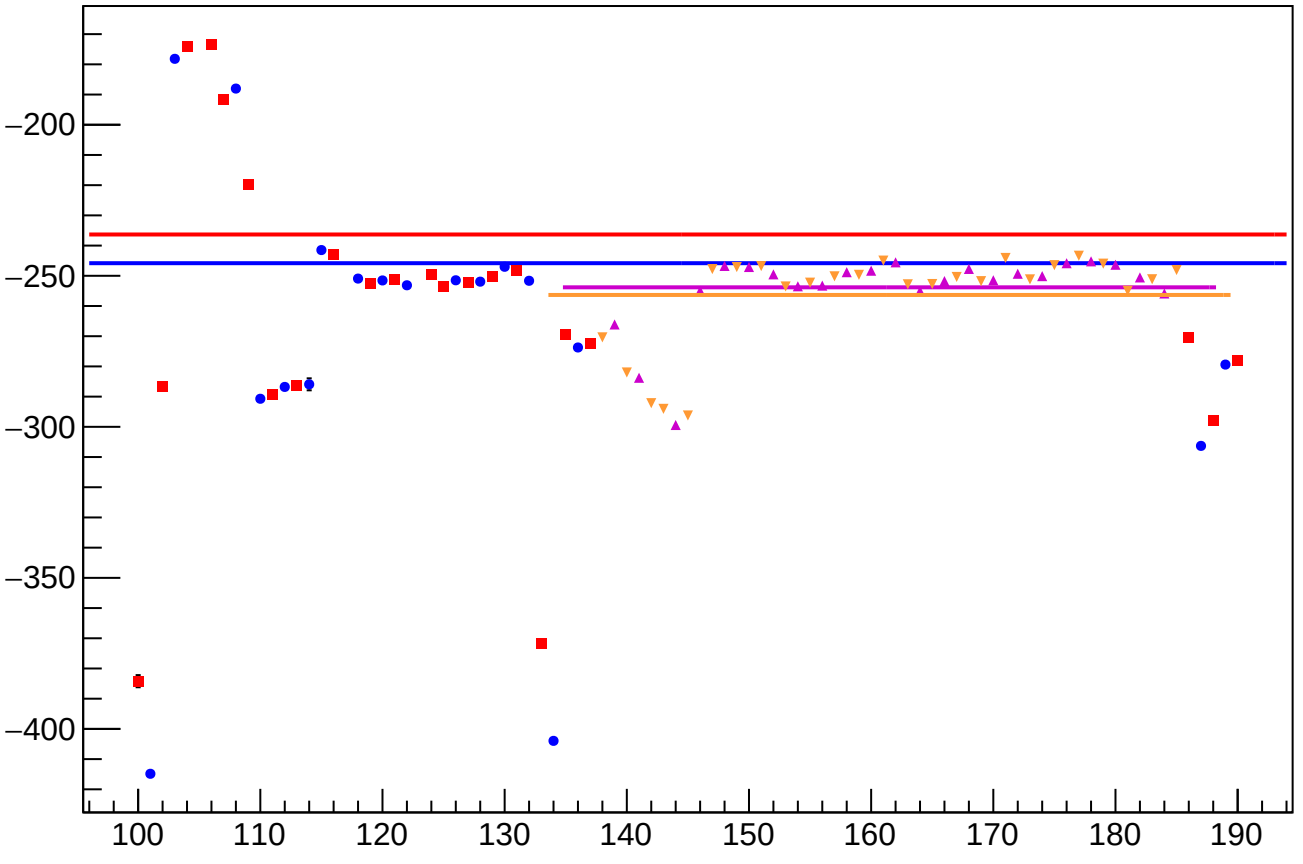
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 123.231+/-2.064 χ^2/NDF: 1107.9/39

In: 136.514+/-1.488 χ^2/NDF:1172.9/40

Out: 130.006+/-1.420 χ^2/NDF:1585.3/46

All: 133.108+/-1.027 χ^2/NDF: 2768.1/87



Right In: -245.828+/-0.158 χ^2/NDF: 178012.7/17

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -236.326+/-0.149 χ^2/NDF: 118159.0/21

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

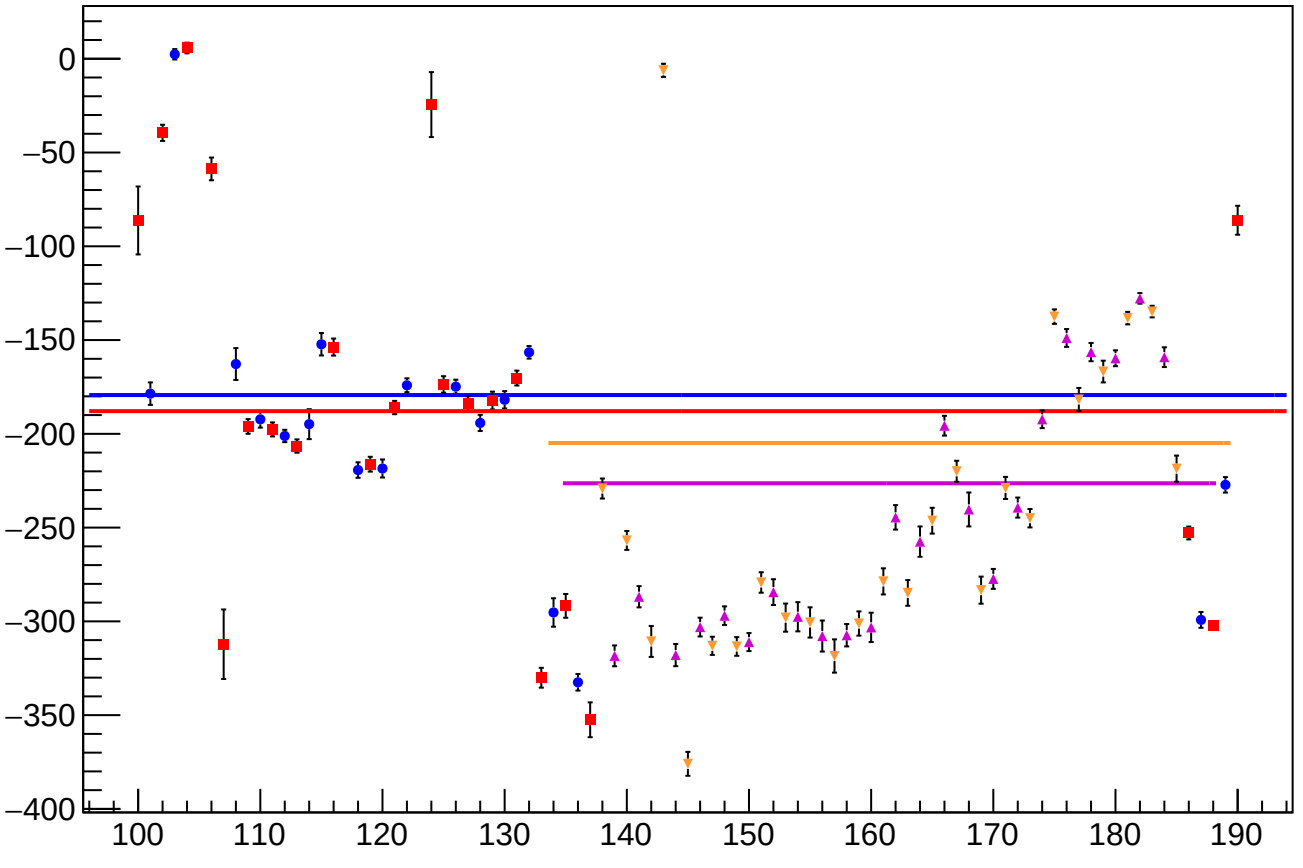
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -240.805+/-0.108 χ^2/NDF: 298089.1/39

In: -252.253+/-0.070 χ^2/NDF:204151.8/40

Out: -252.124+/-0.068 χ^2/NDF:171920.9/46

All: -252.187+/-0.049 χ^2/NDF: 376074.5/87



Right In: -179.321+/-1.011 χ^2/NDF: 6953.4/17

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -187.904+/-0.906 χ^2/NDF: 11005.5/21

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

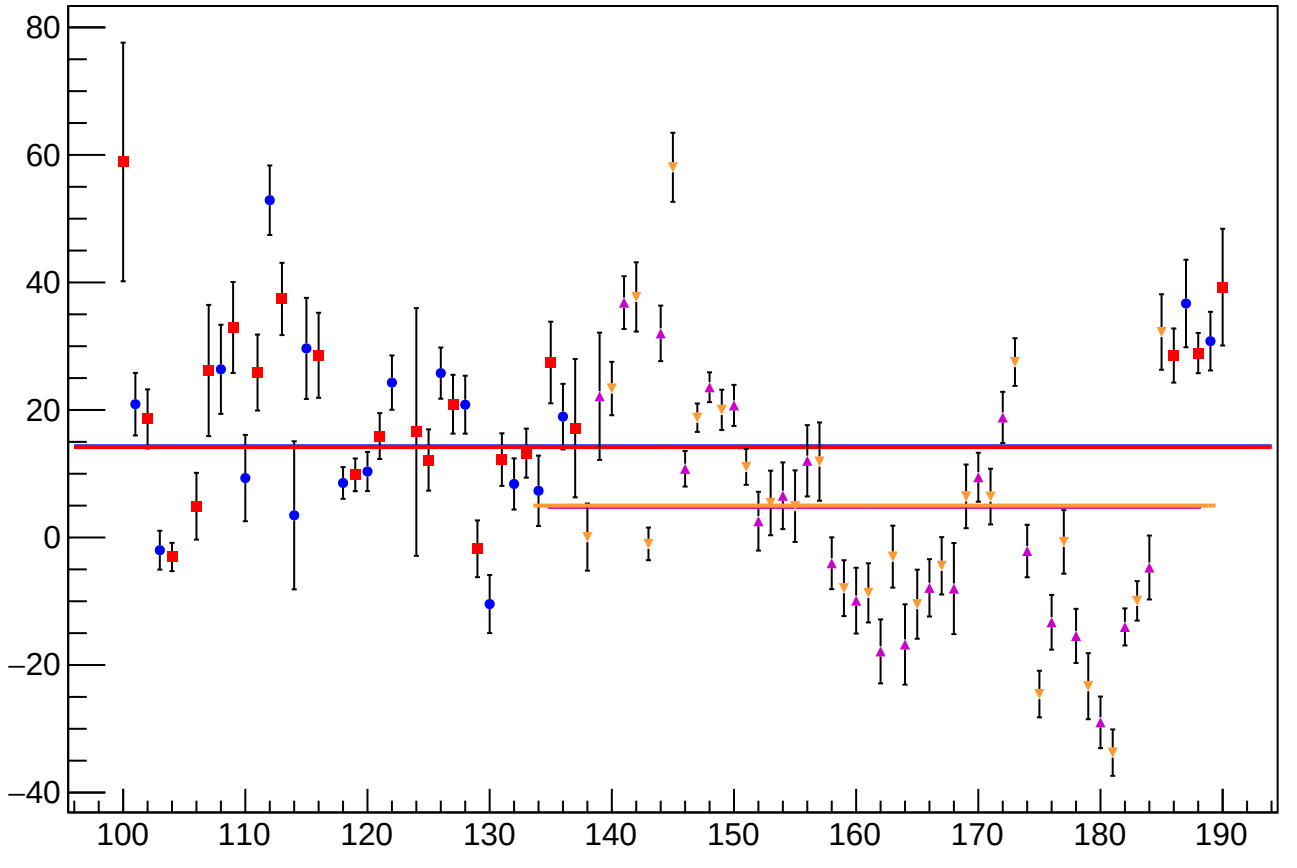
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -184.078+/-0.675 χ^2/NDF: 17998.9/39

In: -200.753+/-0.746 χ^2/NDF:12159.3/40

Out: -195.142+/-0.687 χ^2/NDF:18981.4/46

All: -197.716+/-0.505 χ^2/NDF: 31171.4/87



Right In: 14.296+/-1.036 χ^2/NDF: 169.0/17

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 14.178+/-0.953 χ^2/NDF: 167.5/21

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

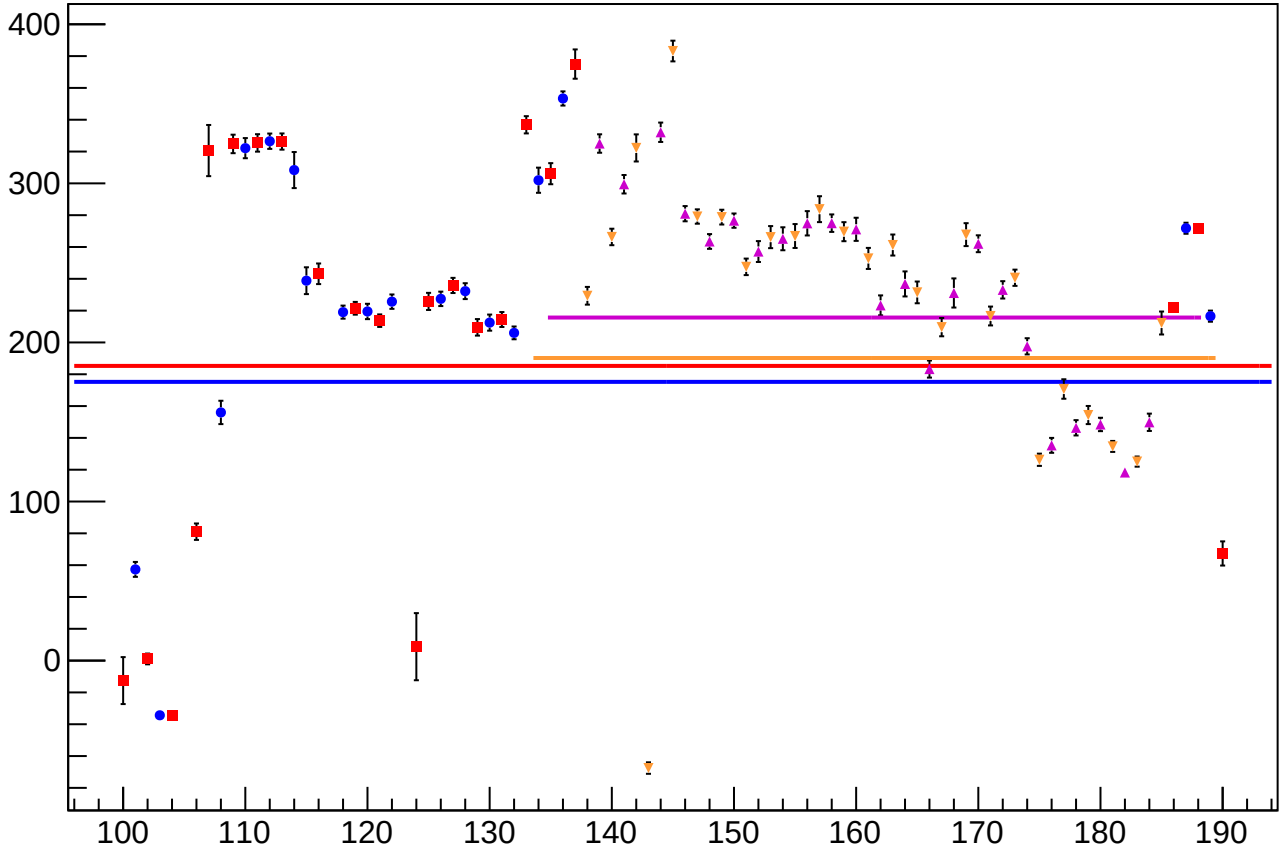
Right: 14.232+/-0.702 χ^2/NDF: 336.6/39

In: 8.600+/-0.656 χ^2/NDF:645.7/40

Out: 8.759+/-0.610 χ^2/NDF:770.7/46

All: 8.686+/-0.446 χ^2/NDF: 1416.5/87

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 175.218+/-1.034 χ^2/NDF: 15034.2/17

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 185.251+/-0.888 χ^2/NDF: 19938.2/21

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

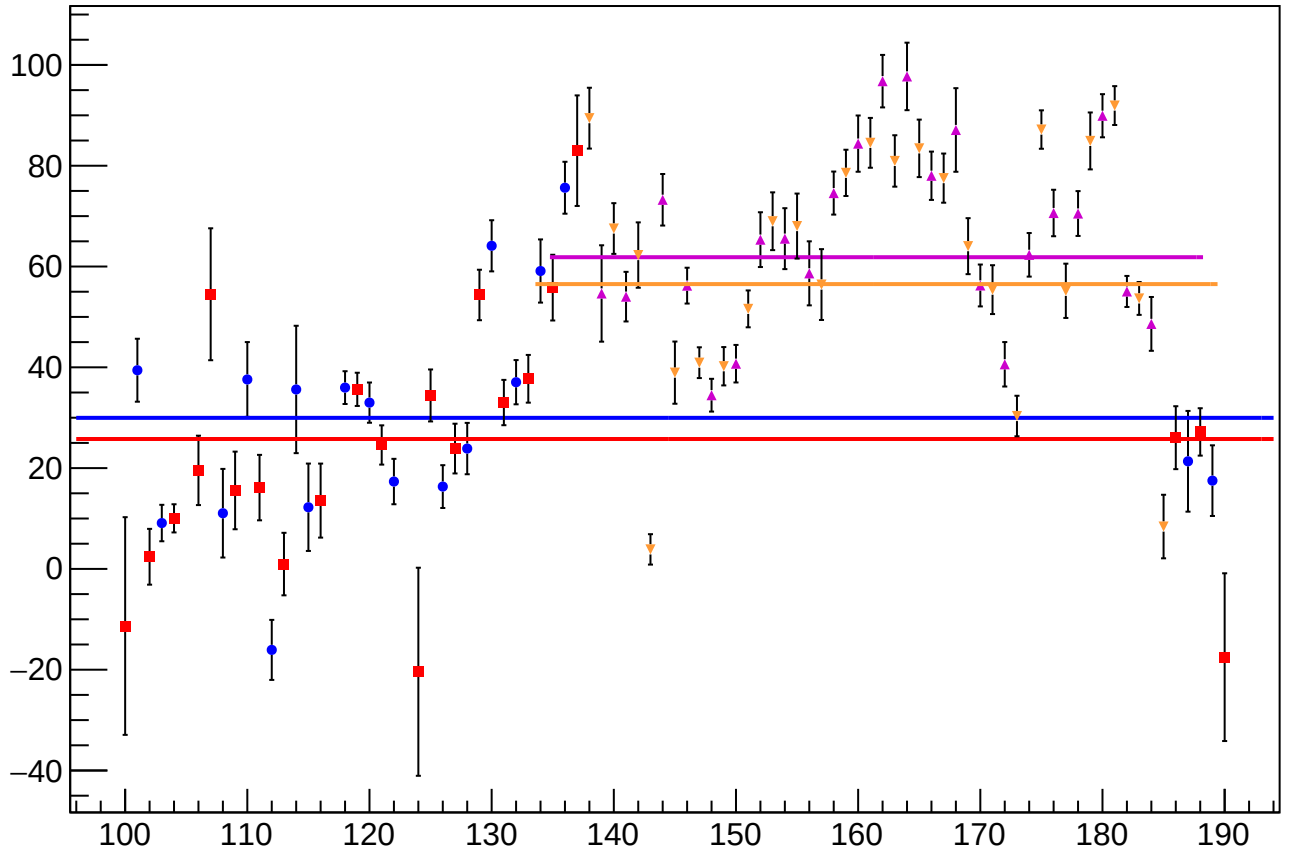
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 180.991+/-0.674 χ^2/NDF: 35026.6/39

In: 194.209+/-0.753 χ^2/NDF:19638.9/40

Out: 187.323+/-0.678 χ^2/NDF:29335.2/46

All: 190.407+/-0.504 χ^2/NDF: 49020.3/87



Right In: 29.975+/-1.226 χ^2/NDF: 281.0/17

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.776+/-1.152 χ^2/NDF: 194.6/21

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

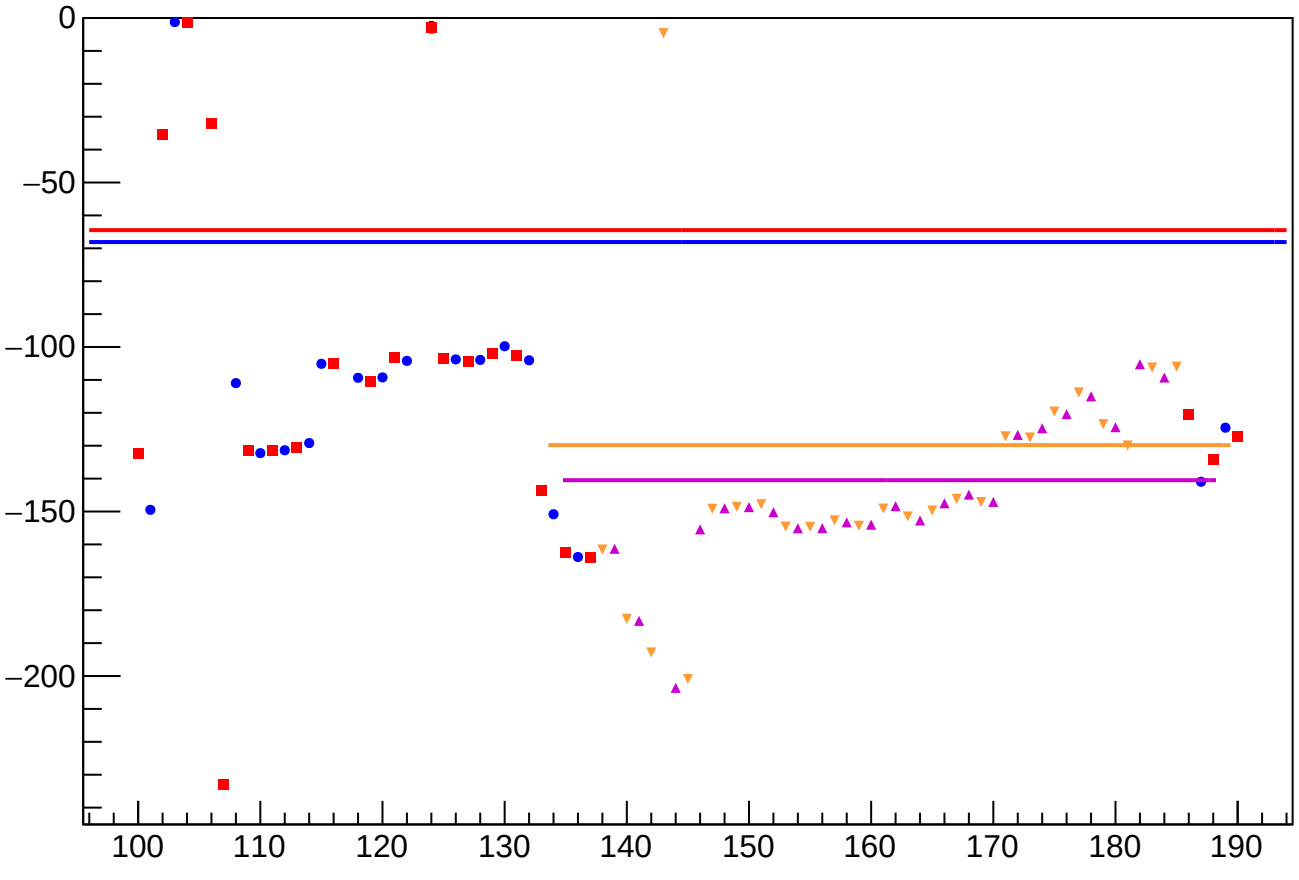
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 27.745+/-0.839 χ^2/NDF: 481.9/39

In: 49.707+/-0.756 χ^2/NDF:1020.5/40

Out: 44.714+/-0.713 χ^2/NDF:1432.5/46

All: 47.065+/-0.519 χ^2/NDF: 2476.0/87



Right In: -68.095+/-0.062 χ^2/NDF: 1097821.9/17

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -64.475+/-0.059 χ^2/NDF: 1001366.7/21

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

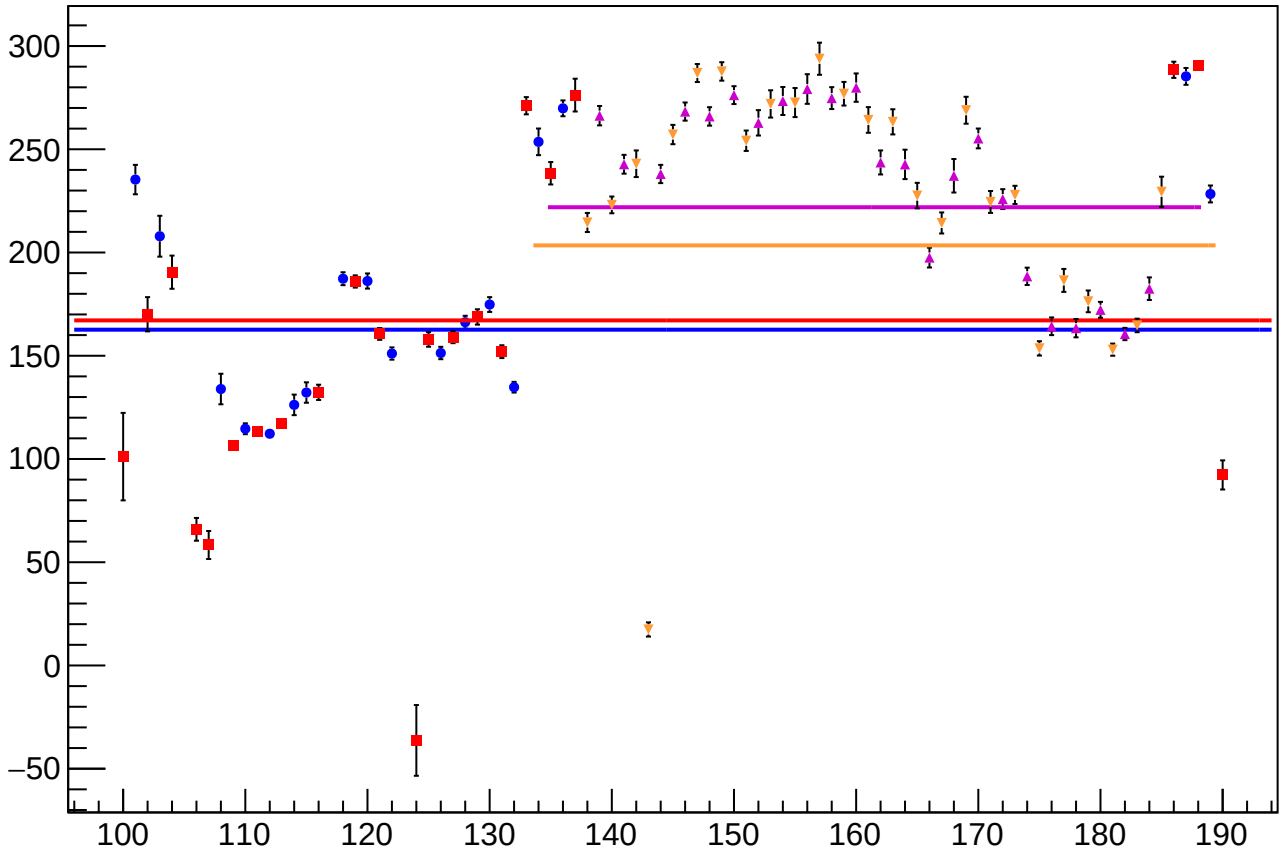
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -66.201+/-0.043 χ^2/NDF: 2100967.2/39

In: -116.519+/-0.036 χ^2/NDF:2261908.6/40

Out: -107.849+/-0.034 χ^2/NDF:2833574.1/46

All: -112.015+/-0.025 χ^2/NDF: 5126086.9/87



Right In: 162.618+/-0.832 χ^2/NDF: 3538.8/17

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.115+/-0.754 χ^2/NDF: 7942.4/21

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

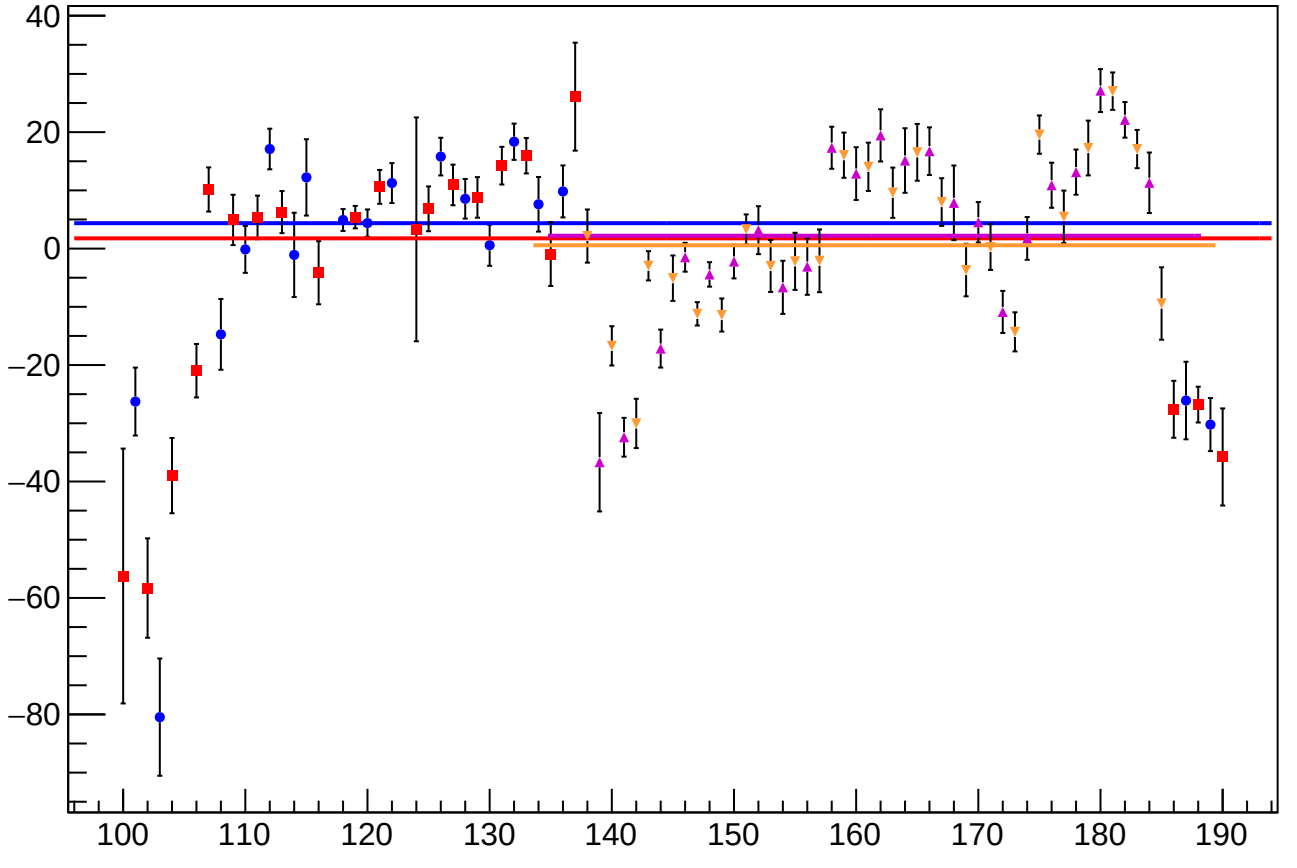
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 165.089+/-0.559 χ^2/NDF: 11497.3/39

In: 186.806+/-0.640 χ^2/NDF:7596.1/40

Out: 181.098+/-0.591 χ^2/NDF:14328.4/46

All: 183.724+/-0.434 χ^2/NDF: 21967.4/87



Right In: 4.365+/-0.866 χ^2/NDF: 245.0/17

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 1.760+/-0.837 χ^2/NDF: 341.9/21

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

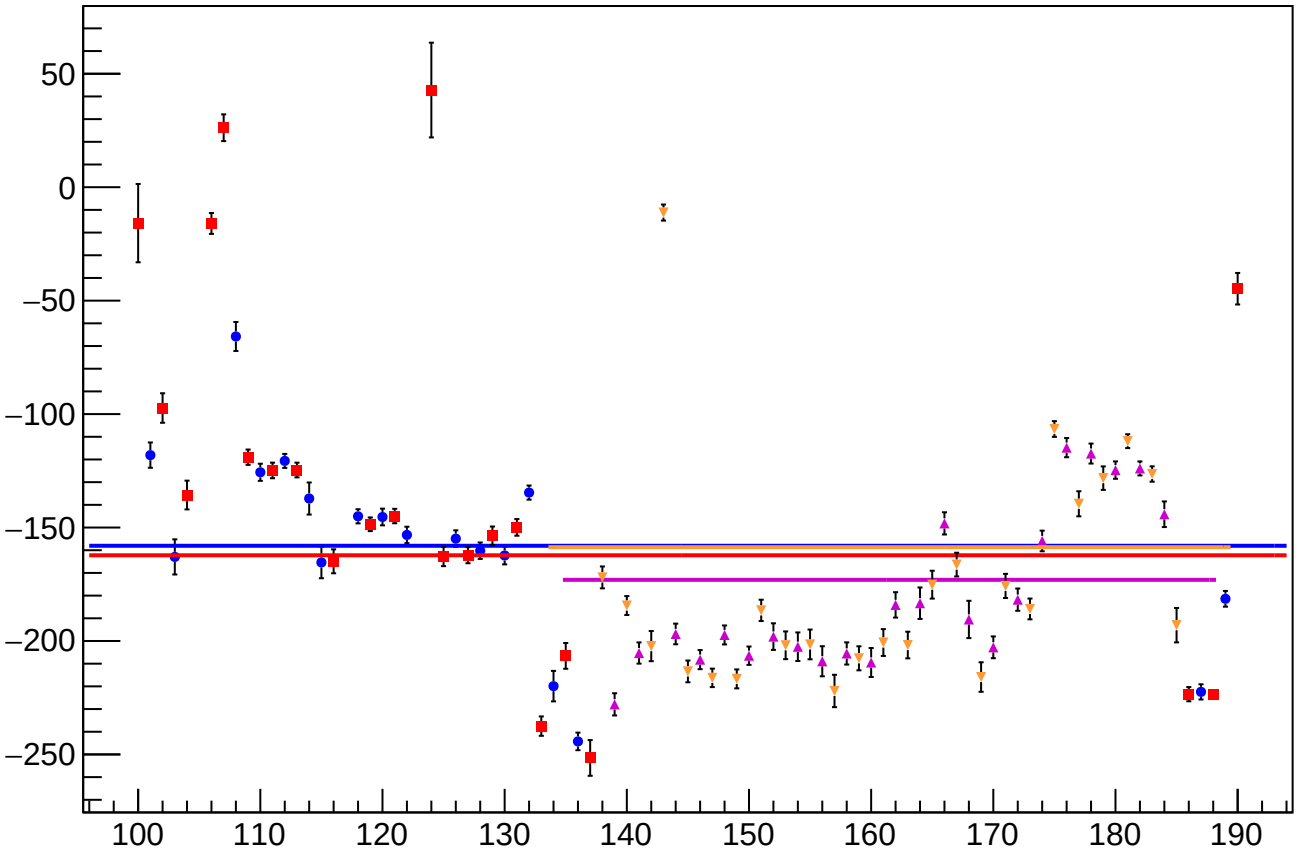
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 3.018+/-0.602 χ^2/NDF: 591.5/39

In: 3.147+/-0.571 χ^2/NDF:606.7/40

Out: 1.071+/-0.544 χ^2/NDF:688.5/46

All: 2.058+/-0.394 χ^2/NDF: 1302.0/87



Right In: -158.037+/-0.944 χ^2/NDF: 1575.7/17

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -162.226+/-0.828 χ^2/NDF: 5186.0/21

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

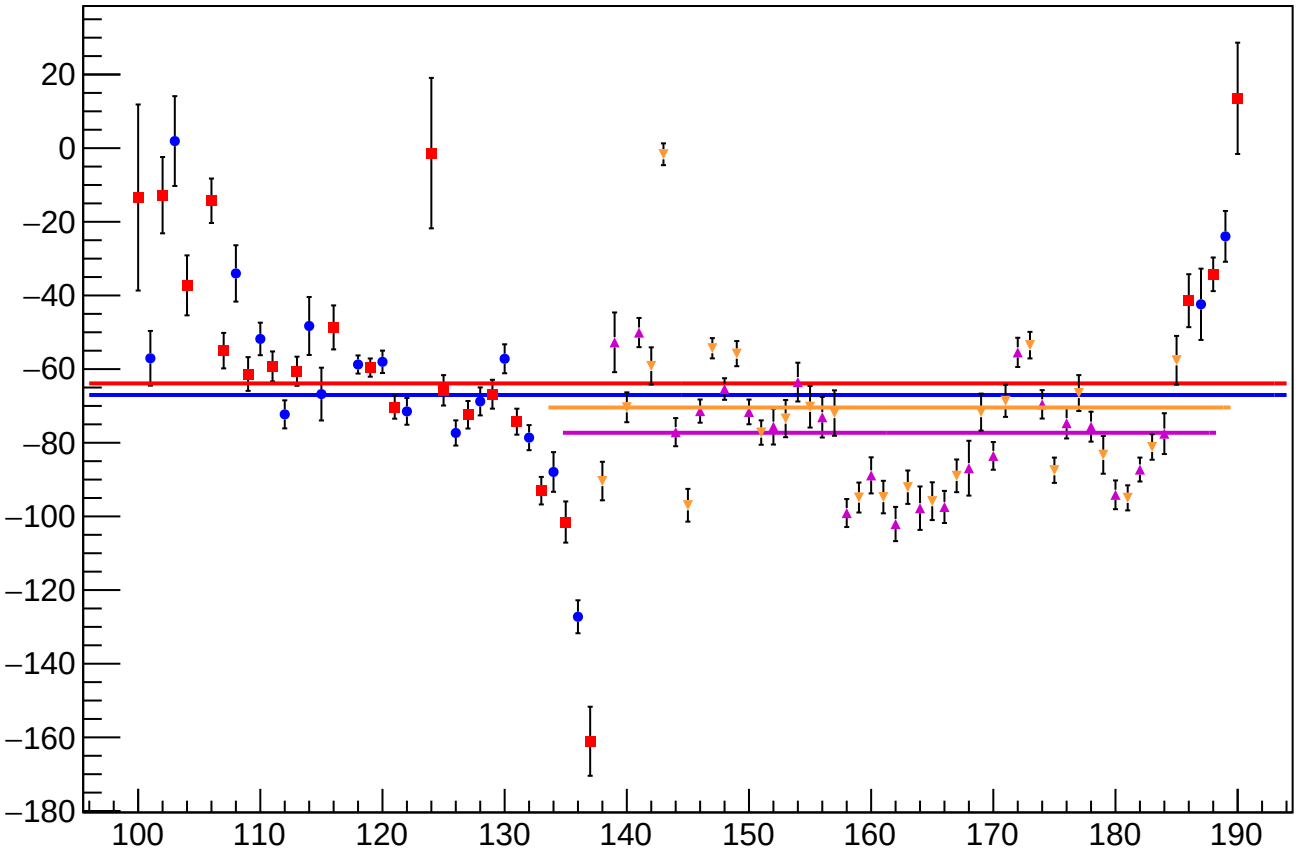
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -160.404+/-0.622 χ^2/NDF: 6772.8/39

In: -165.140+/-0.685 χ^2/NDF:3095.2/40

Out: -160.687+/-0.624 χ^2/NDF:8685.8/46

All: -162.708+/-0.461 χ^2/NDF: 11804.1/87



Right In: -67.025+/-1.016 χ^2/NDF: 362.3/17

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -63.886+/-0.988 χ^2/NDF: 441.5/21

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

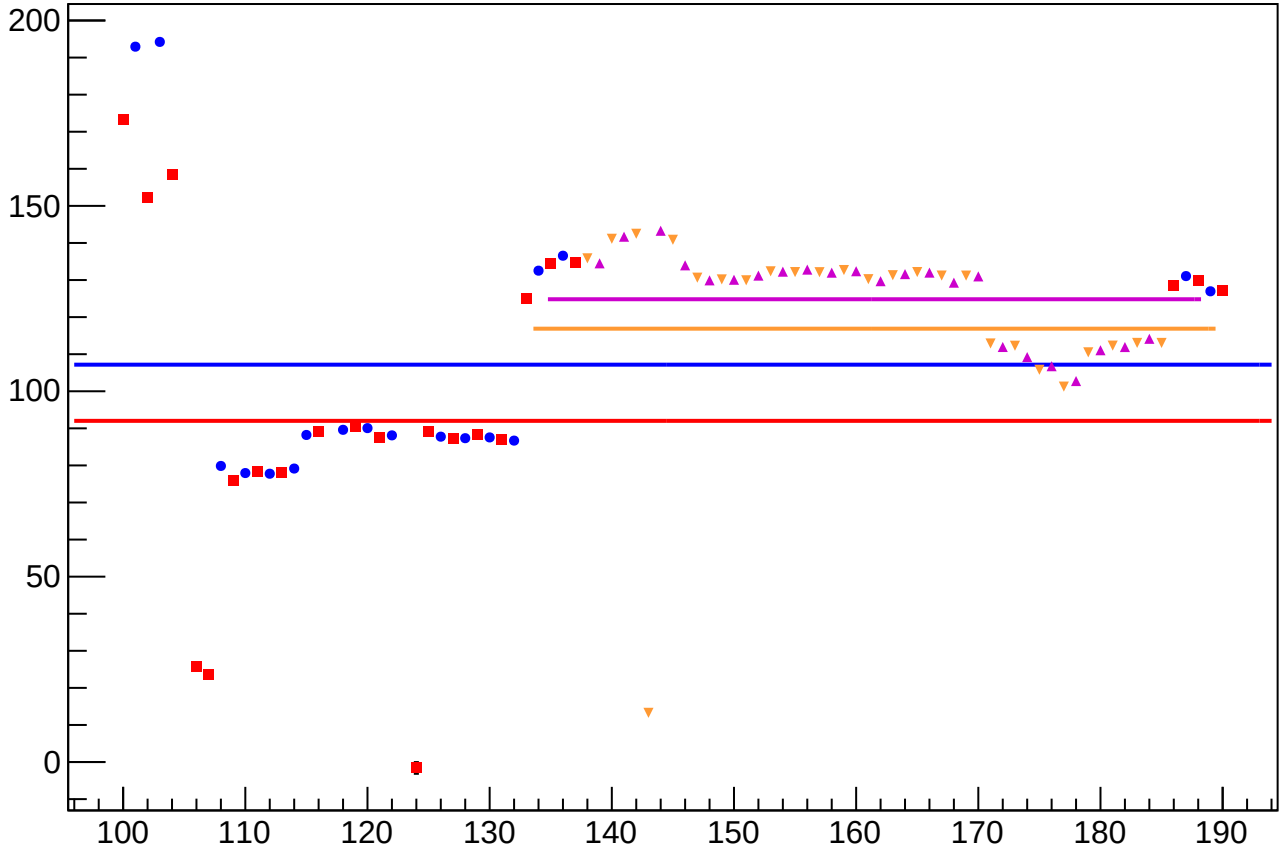
Right: -65.411+/-0.708 χ^2/NDF: 808.7/39

In: -72.972+/-0.659 χ^2/NDF:675.7/40

Out: -67.753+/-0.631 χ^2/NDF:1369.0/46

All: -70.251+/-0.456 χ^2/NDF: 2077.4/87

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 107.174+/-0.068 χ^2/NDF: 246479.9/17

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 92.021+/-0.062 χ^2/NDF: 416444.5/21

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

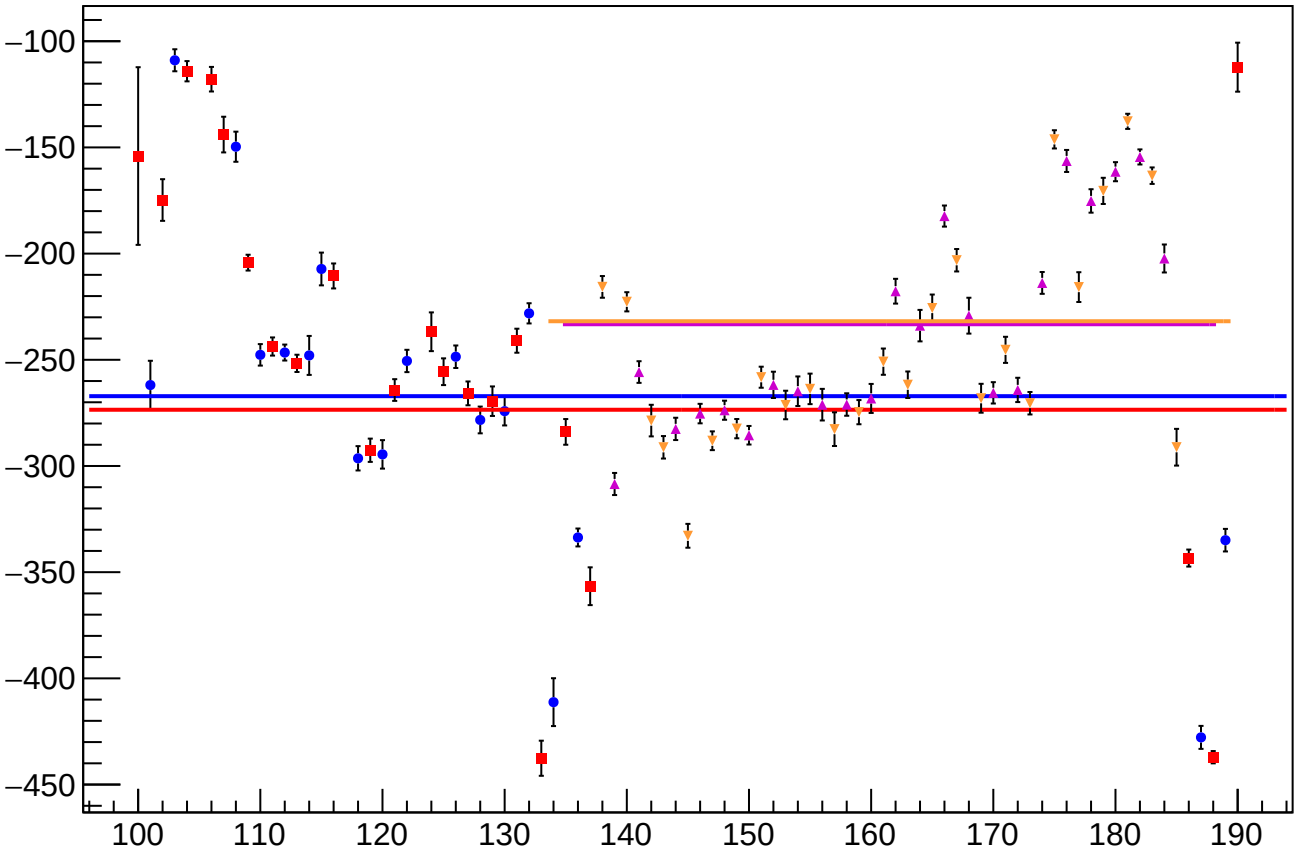
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 98.873+/-0.046 χ^2/NDF: 689846.7/39

In: 120.430+/-0.034 χ^2/NDF:384660.3/40

Out: 110.083+/-0.032 χ^2/NDF:1155984.9/46

All: 115.006+/-0.024 χ^2/NDF: 1588950.1/87



Right In: -267.128+/-1.345 χ^2/NDF: 2908.7/17

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -273.524+/-1.154 χ^2/NDF: 6963.3/21

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

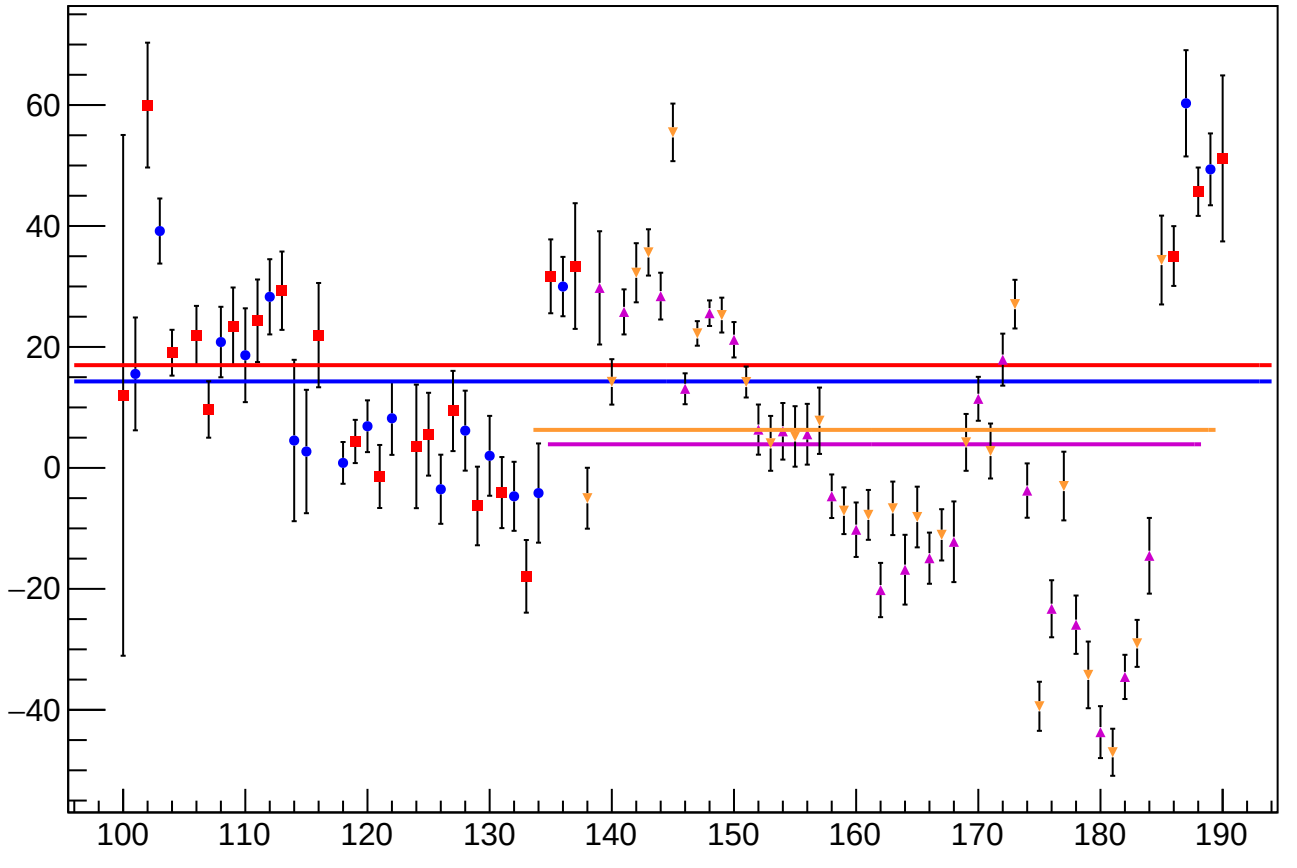
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -270.812+/-0.876 χ^2/NDF: 9885.1/39

In: -246.948+/-0.855 χ^2/NDF:5353.6/40

Out: -251.313+/-0.789 χ^2/NDF:10335.3/46

All: -249.307+/-0.580 χ^2/NDF: 15703.0/87



Right In: 14.301+/-1.409 χ^2/NDF: 152.3/17

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 16.989+/-1.247 χ^2/NDF: 196.7/21

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

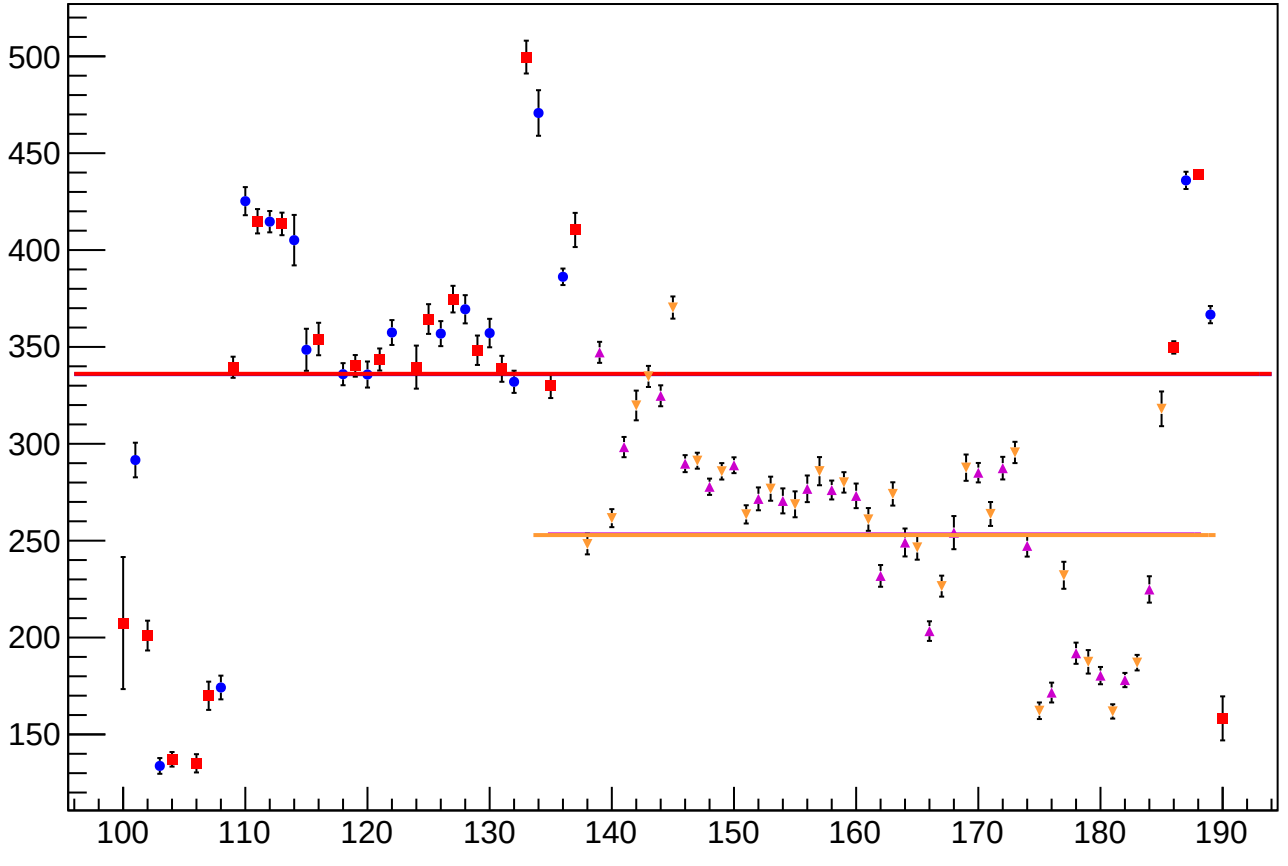
Right: 15.809+/-0.934 χ^2/NDF: 351.1/39

In: 6.527+/-0.708 χ^2/NDF:843.3/40

Out: 9.349+/-0.667 χ^2/NDF:1120.7/46

All: 8.022+/-0.485 χ^2/NDF: 1972.5/87

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 335.947+/-1.416 χ^2/NDF: 4457.4/17

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 336.123+/-1.158 χ^2/NDF: 8508.8/21

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

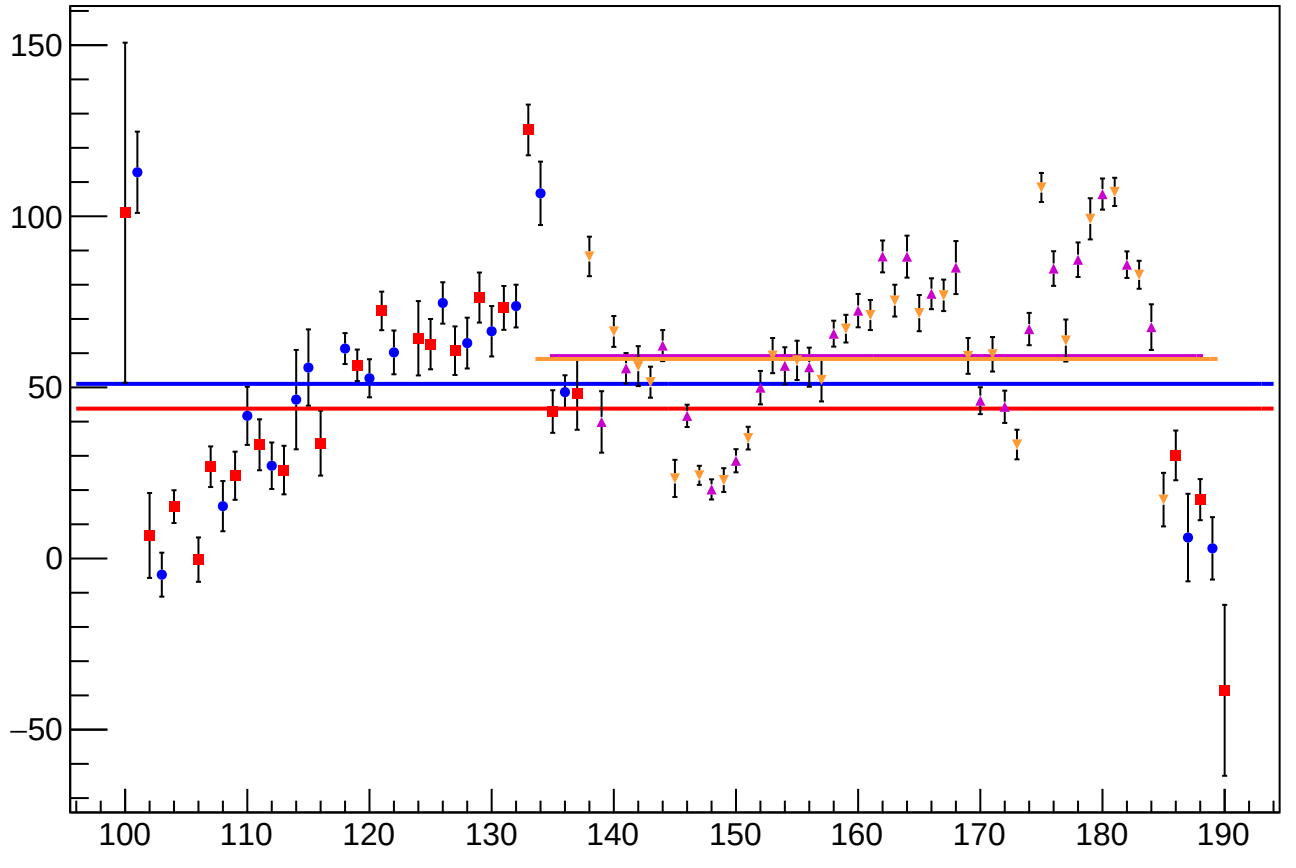
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 336.052+/-0.896 χ^2/NDF: 12966.2/39

In: 284.143+/-0.865 χ^2/NDF:8654.2/40

Out: 291.235+/-0.786 χ^2/NDF:13873.5/46

All: 288.029+/-0.582 χ^2/NDF: 22564.4/87



Right In: 51.032+/-1.656 χ^2/NDF: 259.5/17

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 43.800+/-1.504 χ^2/NDF: 362.9/21

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

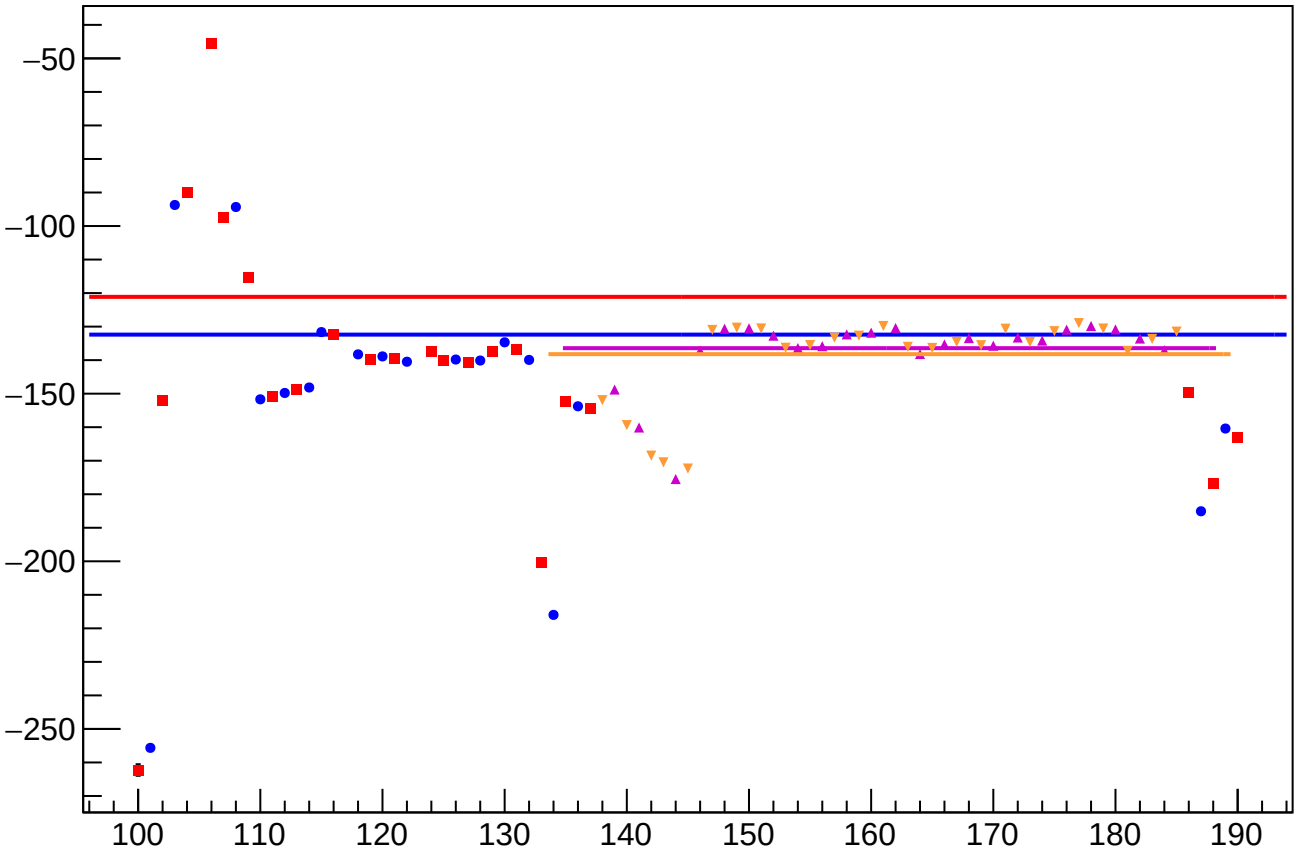
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 47.068+/-1.113 χ^2/NDF: 632.8/39

In: 57.178+/-0.816 χ^2/NDF:910.1/40

Out: 54.409+/-0.779 χ^2/NDF:1281.2/46

All: 55.729+/-0.564 χ^2/NDF: 2197.3/87



Right In: -132.389+/-0.088 χ^2/NDF: 184586.6/17

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -121.124+/-0.081 χ^2/NDF: 245769.4/21

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

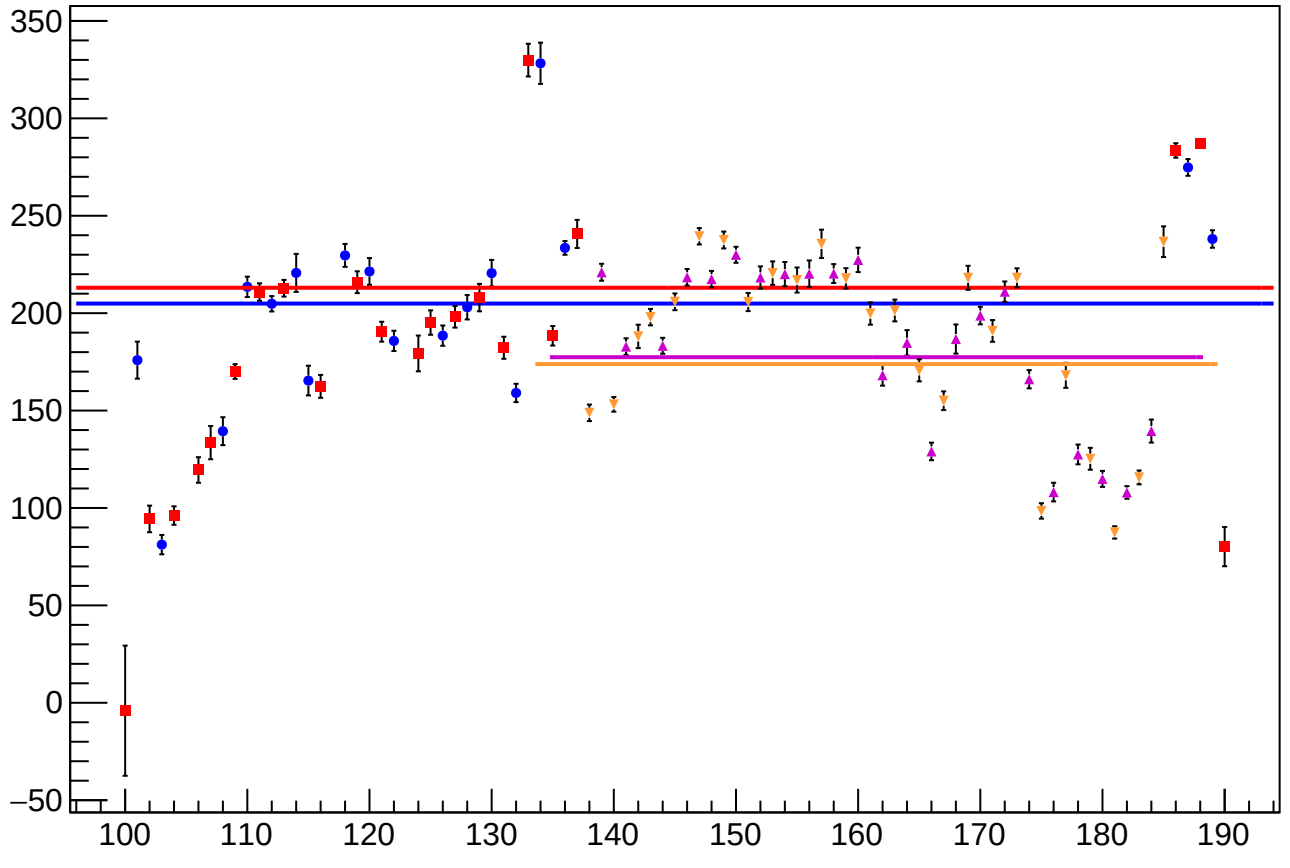
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -126.292+/-0.060 χ^2/NDF: 439153.7/39

In: -135.660+/-0.039 χ^2/NDF:236072.1/40

Out: -134.552+/-0.038 χ^2/NDF:362287.0/46

All: -135.093+/-0.027 χ^2/NDF: 598781.2/87



Right In: 204.927+/-1.281 χ^2/NDF: 1413.4/17

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 213.038+/-1.089 χ^2/NDF: 3329.4/21

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

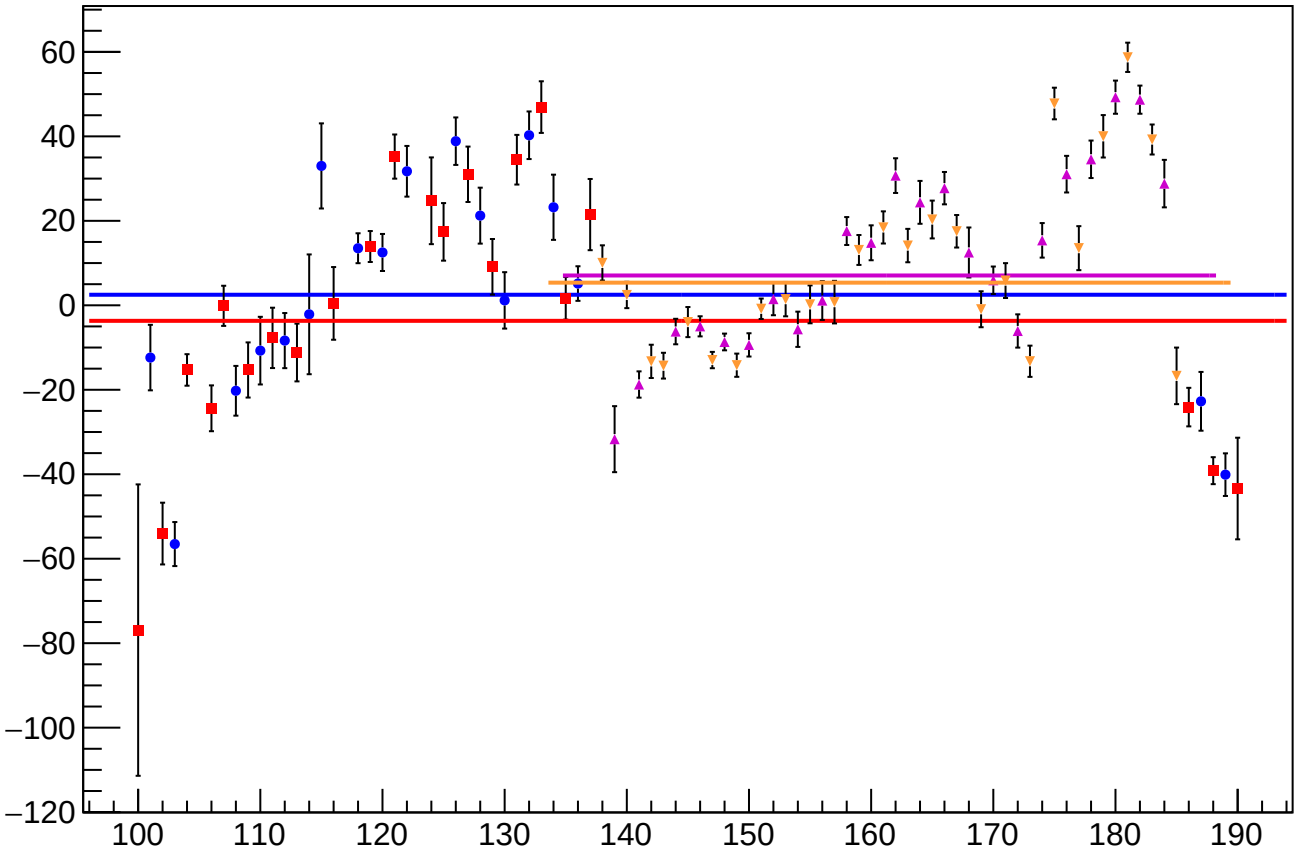
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 209.637+/-0.830 χ^2/NDF: 4766.1/39

In: 187.767+/-0.786 χ^2/NDF:3664.2/40

Out: 191.043+/-0.721 χ^2/NDF:6684.2/46

All: 189.546+/-0.531 χ^2/NDF: 10357.8/87



Right In: 2.499+/-1.360 χ^2/NDF: 387.0/17

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -3.678+/-1.197 χ^2/NDF: 484.1/21

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

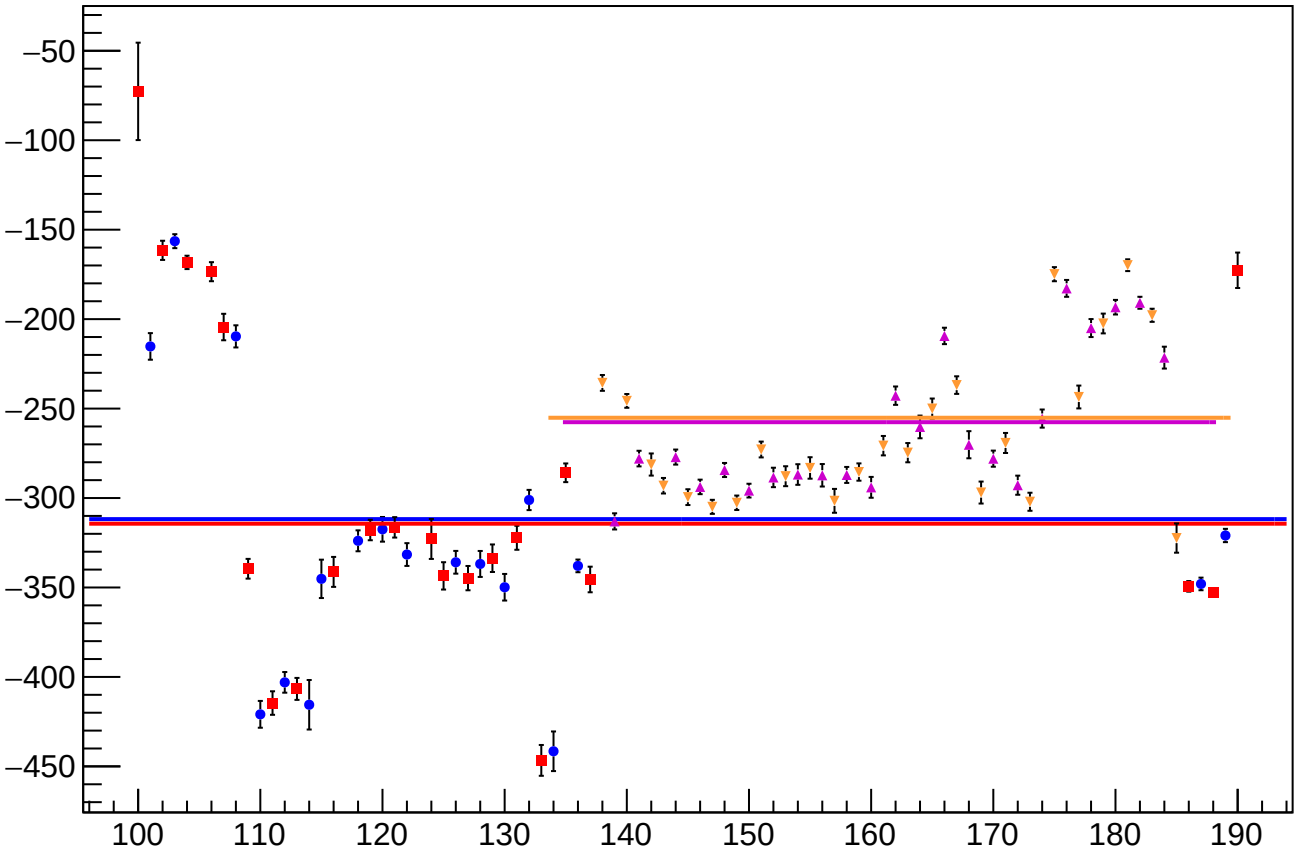
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -0.982+/-0.899 χ^2/NDF: 882.7/39

In: 6.016+/-0.651 χ^2/NDF:1105.3/40

Out: 3.008+/-0.611 χ^2/NDF:1336.3/46

All: 4.417+/-0.445 χ^2/NDF: 2453.0/87



Right In: -311.787+/-1.313 χ^2/NDF: 2927.2/17

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -314.343+/-1.058 χ^2/NDF: 4939.8/21

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

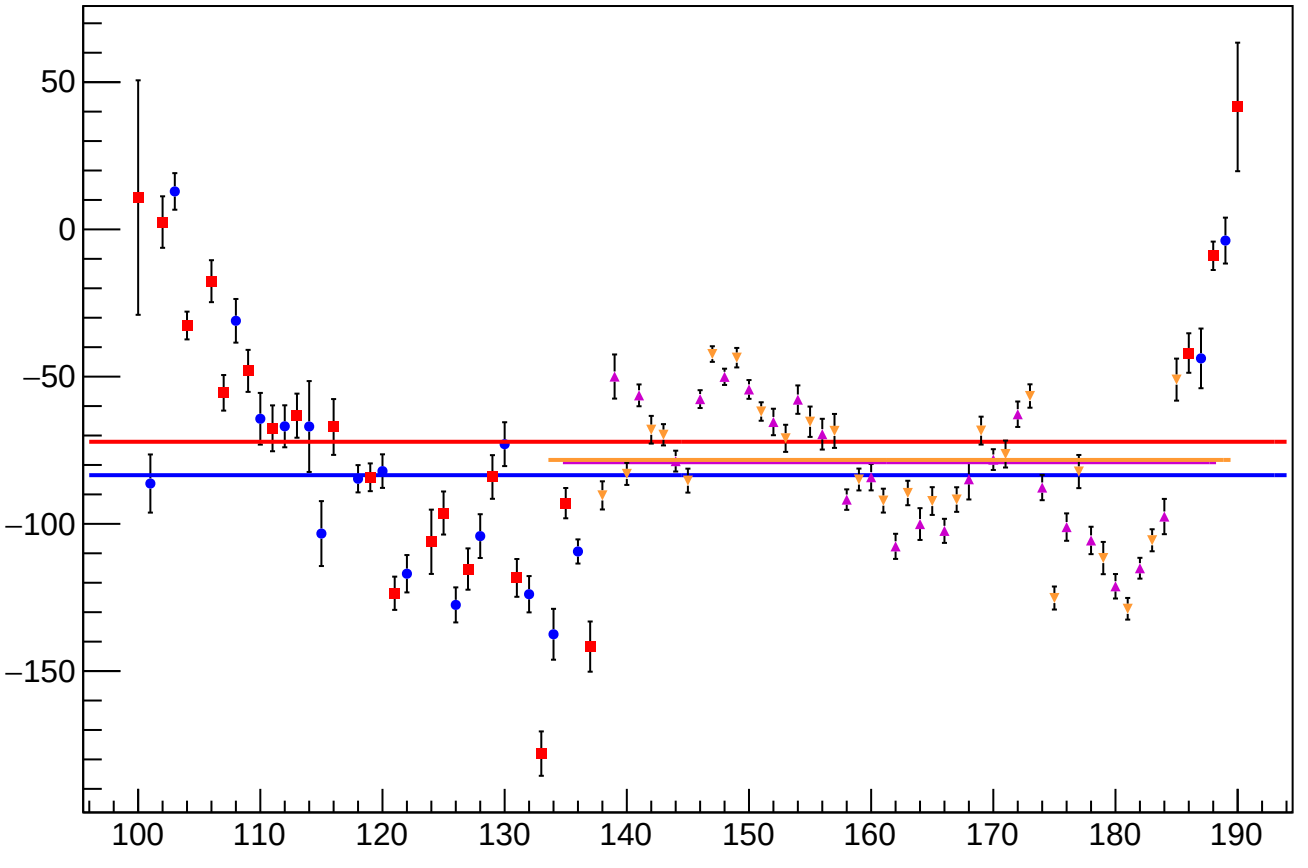
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

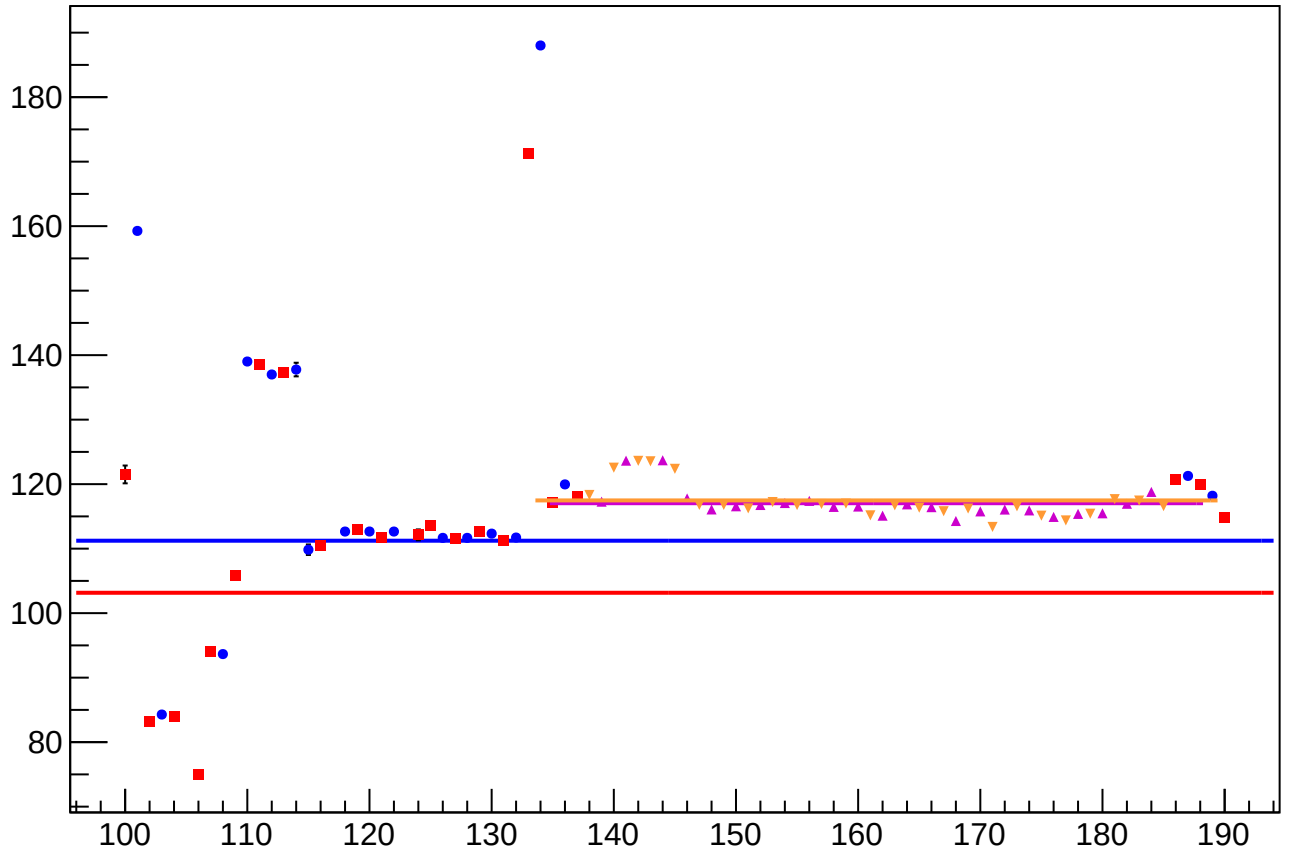
Right: -313.337+/-0.824 χ^2/NDF: 7869.3/39

In: -277.110+/-0.788 χ^2/NDF:5825.3/40

Out: -281.750+/-0.709 χ^2/NDF:9008.9/46

All: -279.672+/-0.527 χ^2/NDF: 14853.4/87


reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -83.469+/-1.599 χ²/NDF: 639.6/17
Left Out: -78.292+/-0.819 χ²/NDF:868.2/24
Right Out: -72.123+/-1.453 χ²/NDF: 928.8/21
Left In: -79.066+/-0.849 χ²/NDF:702.6/22
Left: -78.665+/-0.589 χ²/NDF: 1571.2/47
Right: -77.256+/-1.075 χ²/NDF: 1596.0/39
In: -80.034+/-0.750 χ²/NDF:1348.2/40
Out: -76.806+/-0.713 χ²/NDF:1810.6/46
All: -78.340+/-0.517 χ²/NDF: 3168.6/87



Right In: 111.230+/-0.083 χ^2/NDF: 84211.6/17

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 103.159+/-0.076 χ^2/NDF: 68356.4/21

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

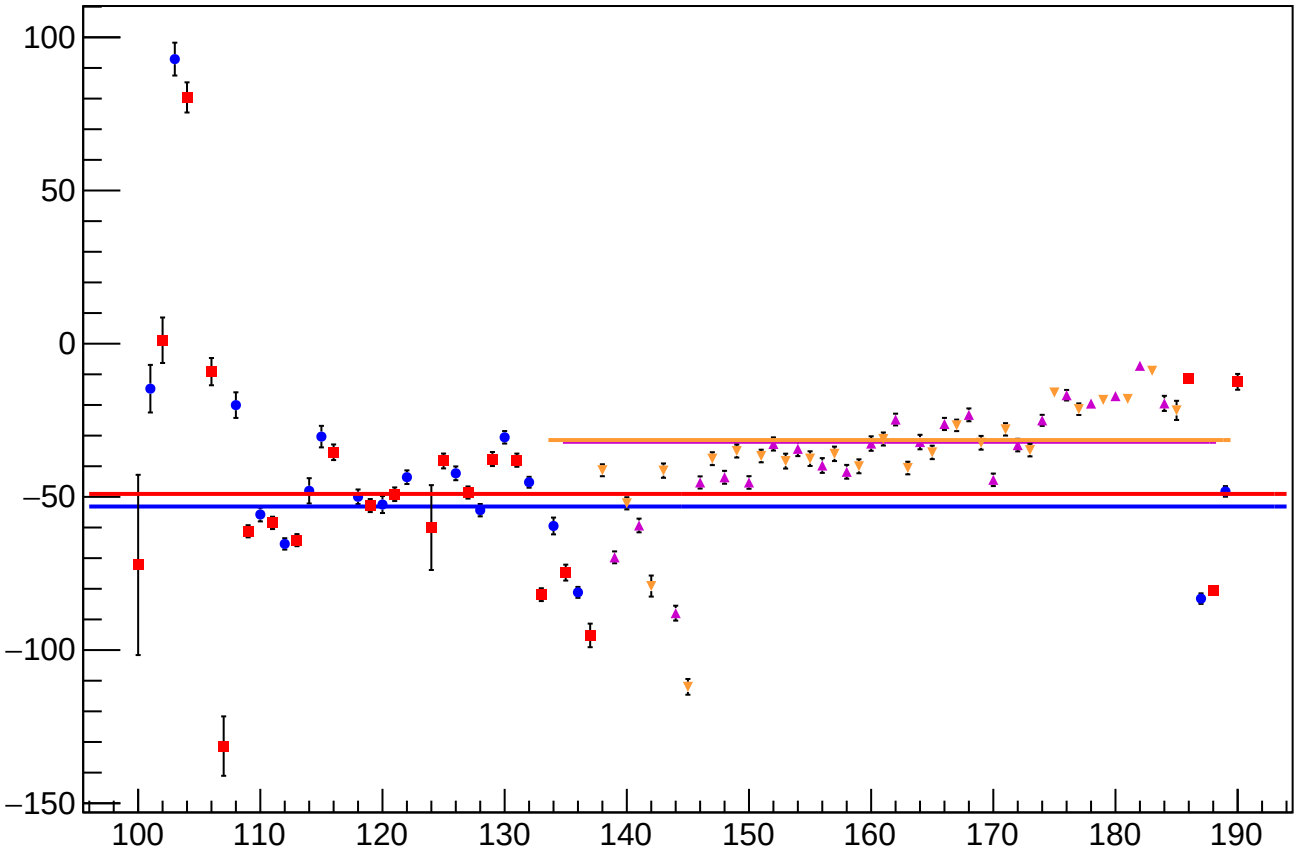
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 106.849+/-0.056 χ^2/NDF: 157719.3/39

In: 116.008+/-0.035 χ^2/NDF:91603.3/40

Out: 114.614+/-0.034 χ^2/NDF:101465.5/46

All: 115.291+/-0.024 χ^2/NDF: 193885.2/87



Right In: -53.145+/-0.546 χ^2/NDF: 1664.9/17

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -49.032+/-0.457 χ^2/NDF: 4077.2/21

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

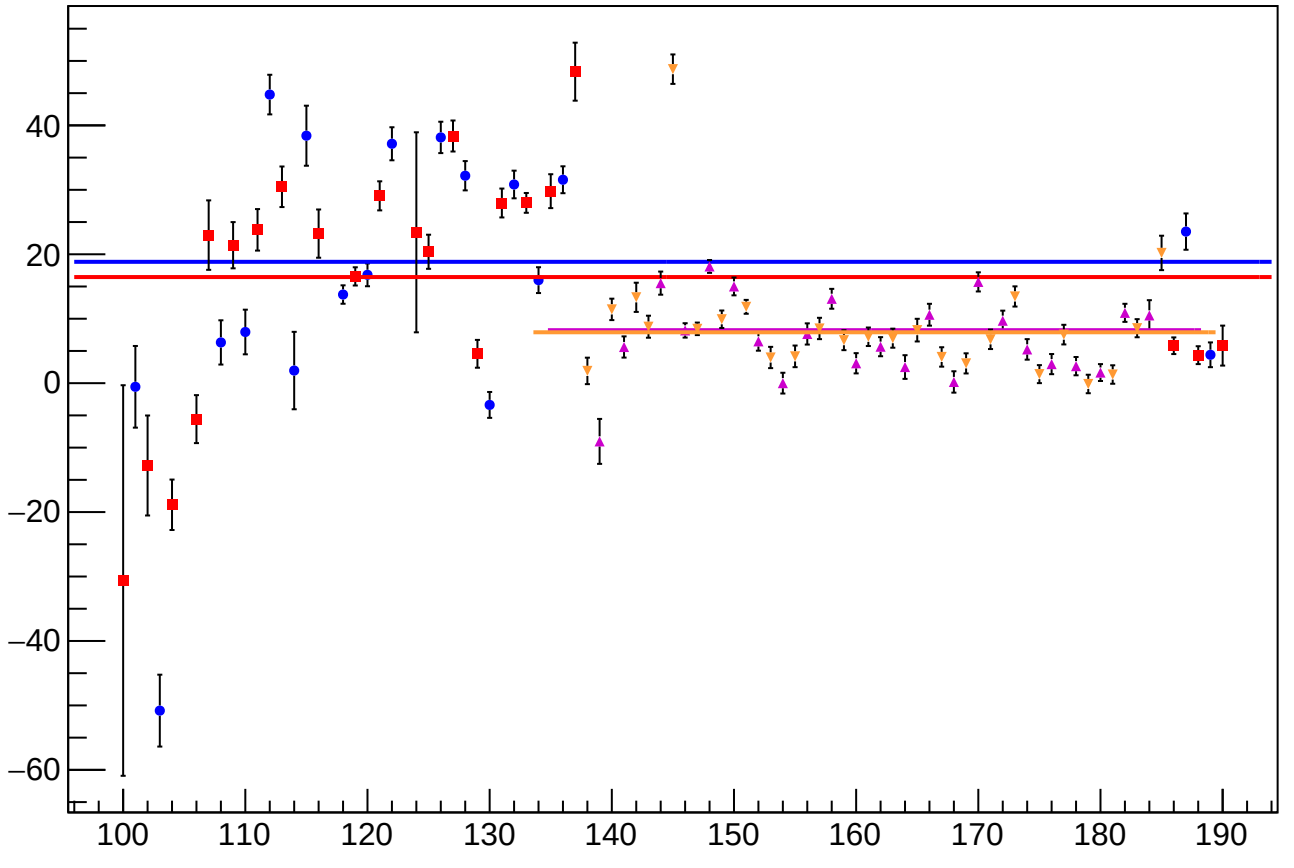
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -50.729+/-0.351 χ^2/NDF: 5775.5/39

In: -39.616+/-0.327 χ^2/NDF:4537.9/40

Out: -39.046+/-0.301 χ^2/NDF:6908.5/46

All: -39.307+/-0.221 χ^2/NDF: 11448.1/87



Right In: 18.829+/-0.571 χ^2/NDF: 699.5/17

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 16.465+/-0.513 χ^2/NDF: 626.0/21

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

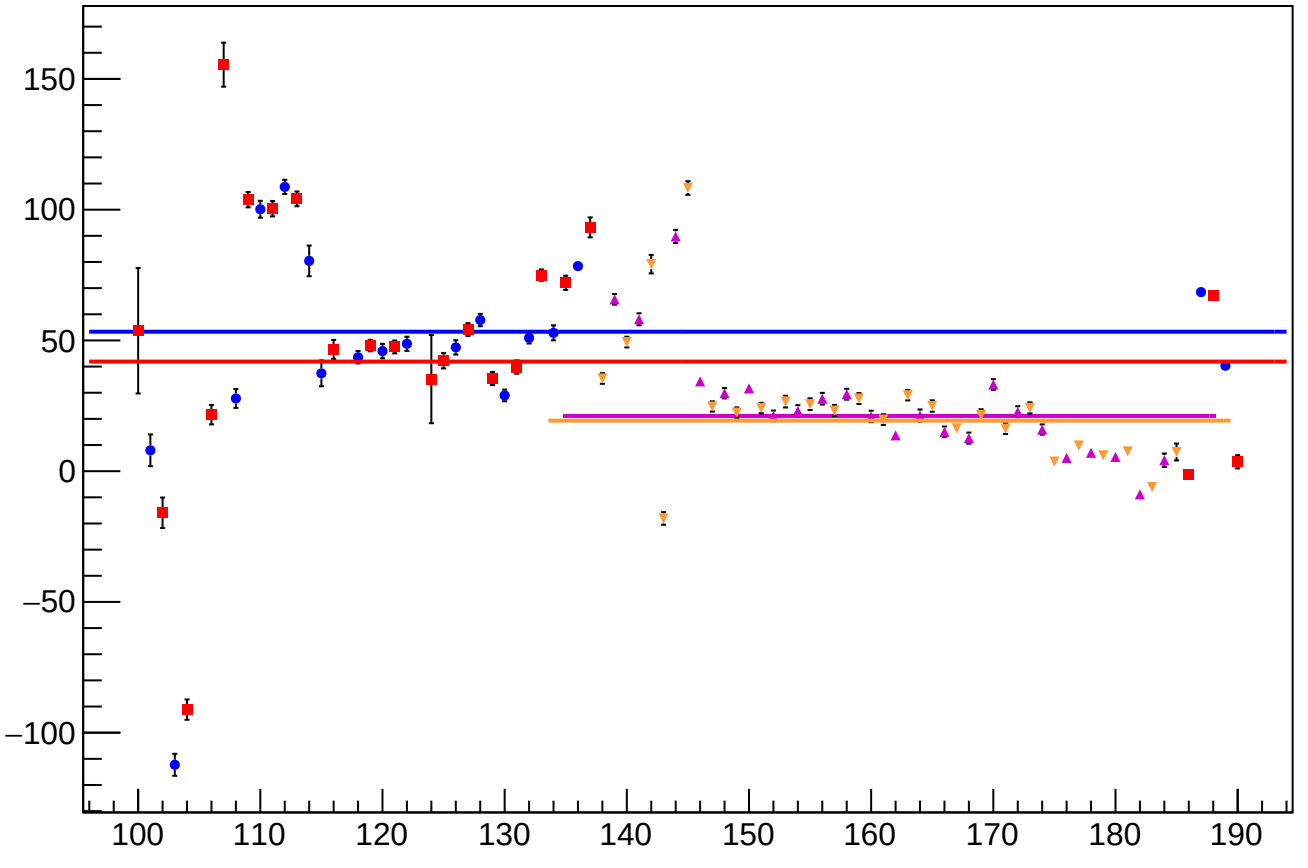
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 17.520+/-0.381 χ^2/NDF: 1335.0/39

In: 10.704+/-0.276 χ^2/NDF:1302.6/40

Out: 10.126+/-0.261 χ^2/NDF:1323.4/46

All: 10.399+/-0.190 χ^2/NDF: 2628.3/87



Right In: 53.328+/-0.575 χ^2/NDF: 2853.0/17

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 41.910+/-0.442 χ^2/NDF: 7241.9/21

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

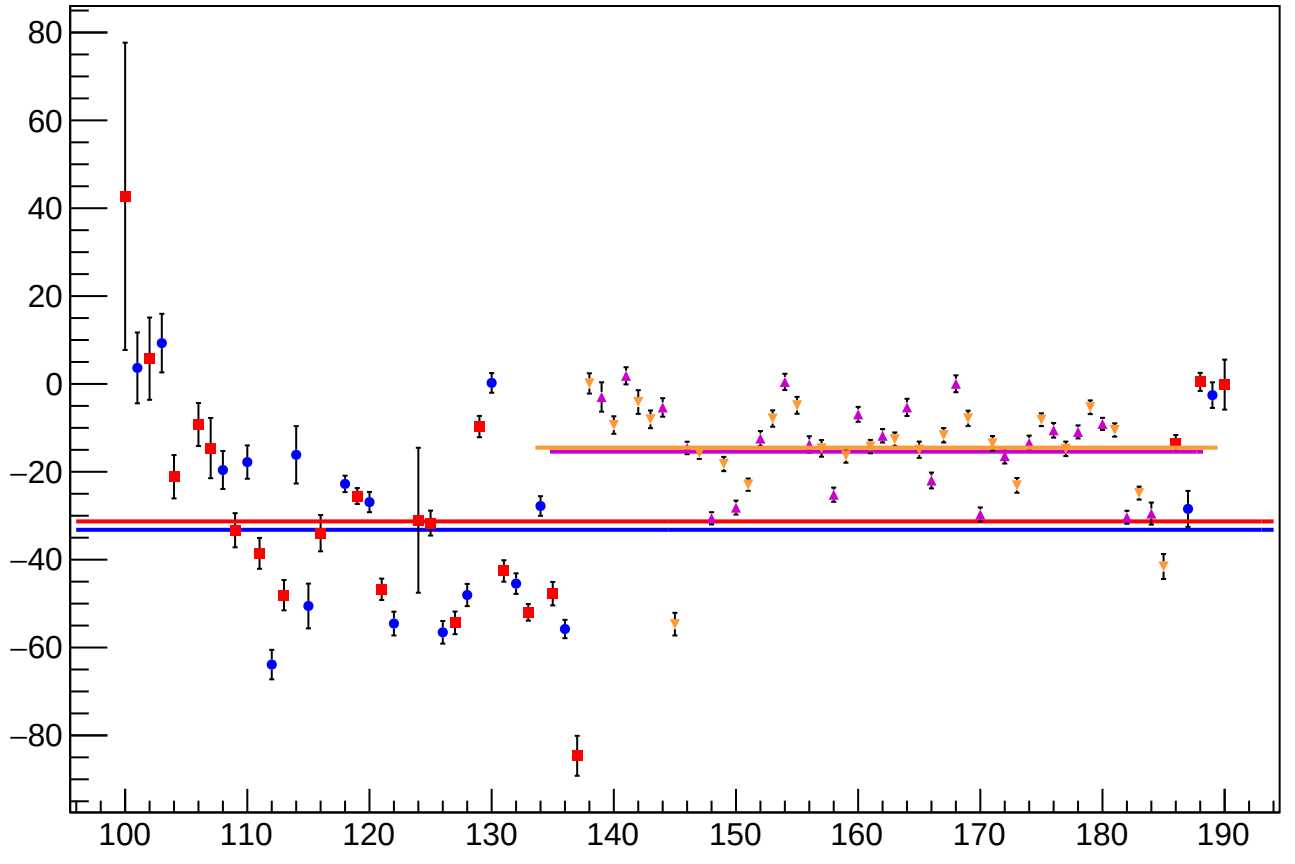
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 46.153+/-0.351 χ^2/NDF: 10342.6/39

In: 31.792+/-0.331 χ^2/NDF:7454.8/40

Out: 29.372+/-0.295 χ^2/NDF:11371.4/46

All: 30.442+/-0.220 χ^2/NDF: 18856.0/87



Right In: -33.203+/-0.672 χ^2/NDF: 892.1/17

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -31.286+/-0.632 χ^2/NDF: 961.4/21

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

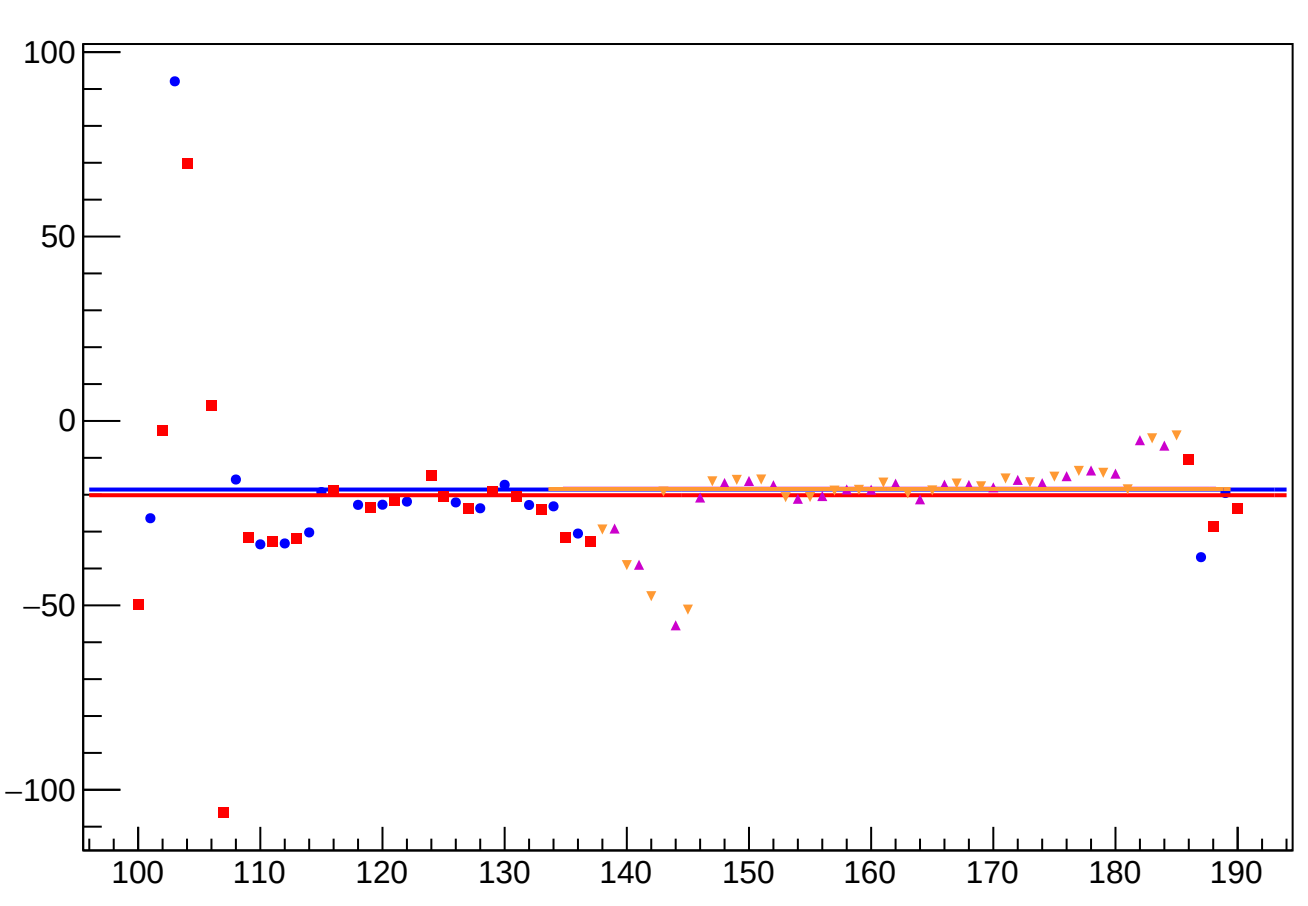
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -32.186+/-0.460 χ^2/NDF: 1857.8/39

In: -19.306+/-0.314 χ^2/NDF:2238.8/40

Out: -18.342+/-0.302 χ^2/NDF:2147.1/46

All: -18.805+/-0.218 χ^2/NDF: 4390.8/87



Right In: -18.595+/-0.040 χ^2/NDF: 433048.1/17

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -20.138+/-0.039 χ^2/NDF: 357466.9/21

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

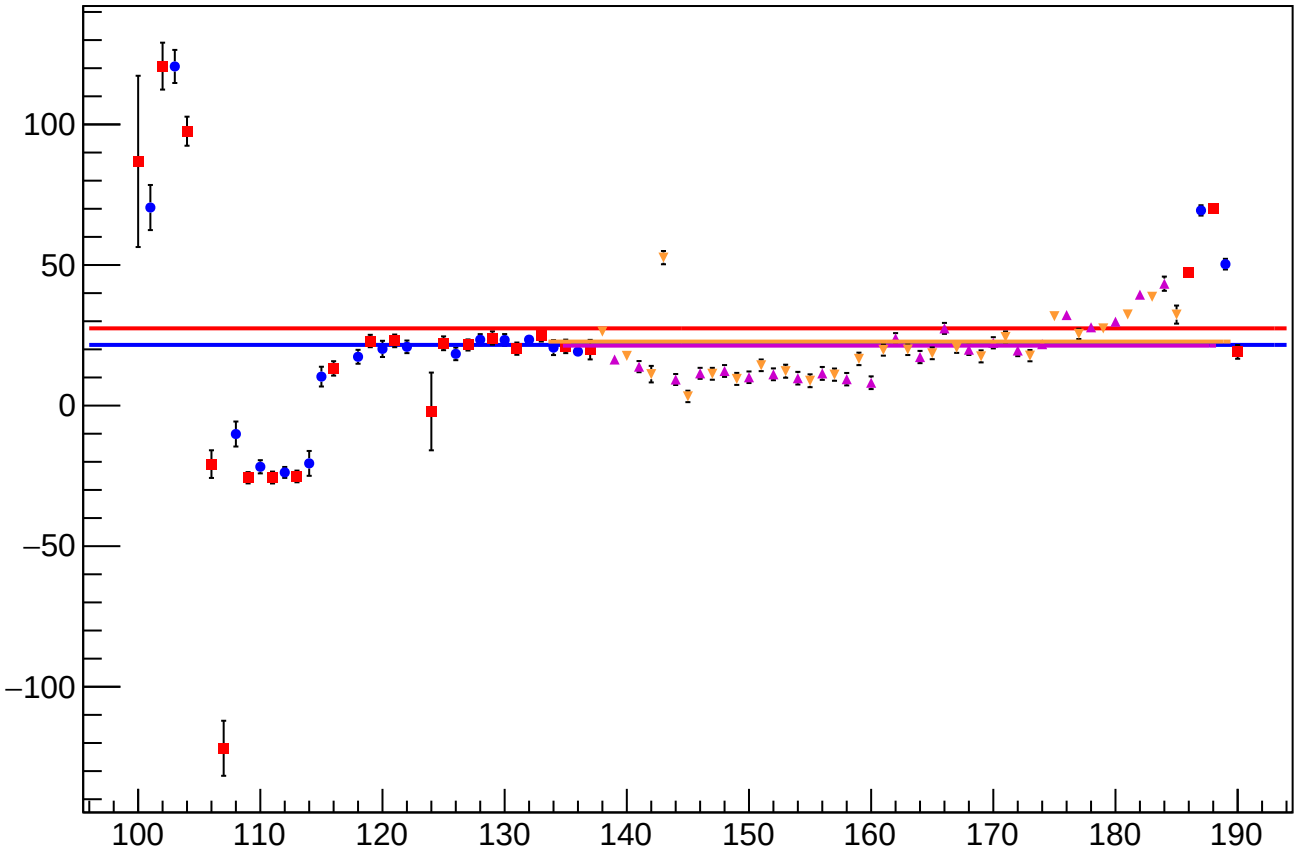
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -19.387+/-0.028 χ^2/NDF: 791267.8/39

In: -18.407+/-0.015 χ^2/NDF:683114.3/40

Out: -18.677+/-0.014 χ^2/NDF:654428.4/46

All: -18.544+/-0.010 χ^2/NDF: 1337715.5/87



Right In: 21.587+/-0.557 χ^2/NDF: 2270.2/17

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 27.471+/-0.483 χ^2/NDF: 4521.9/21

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

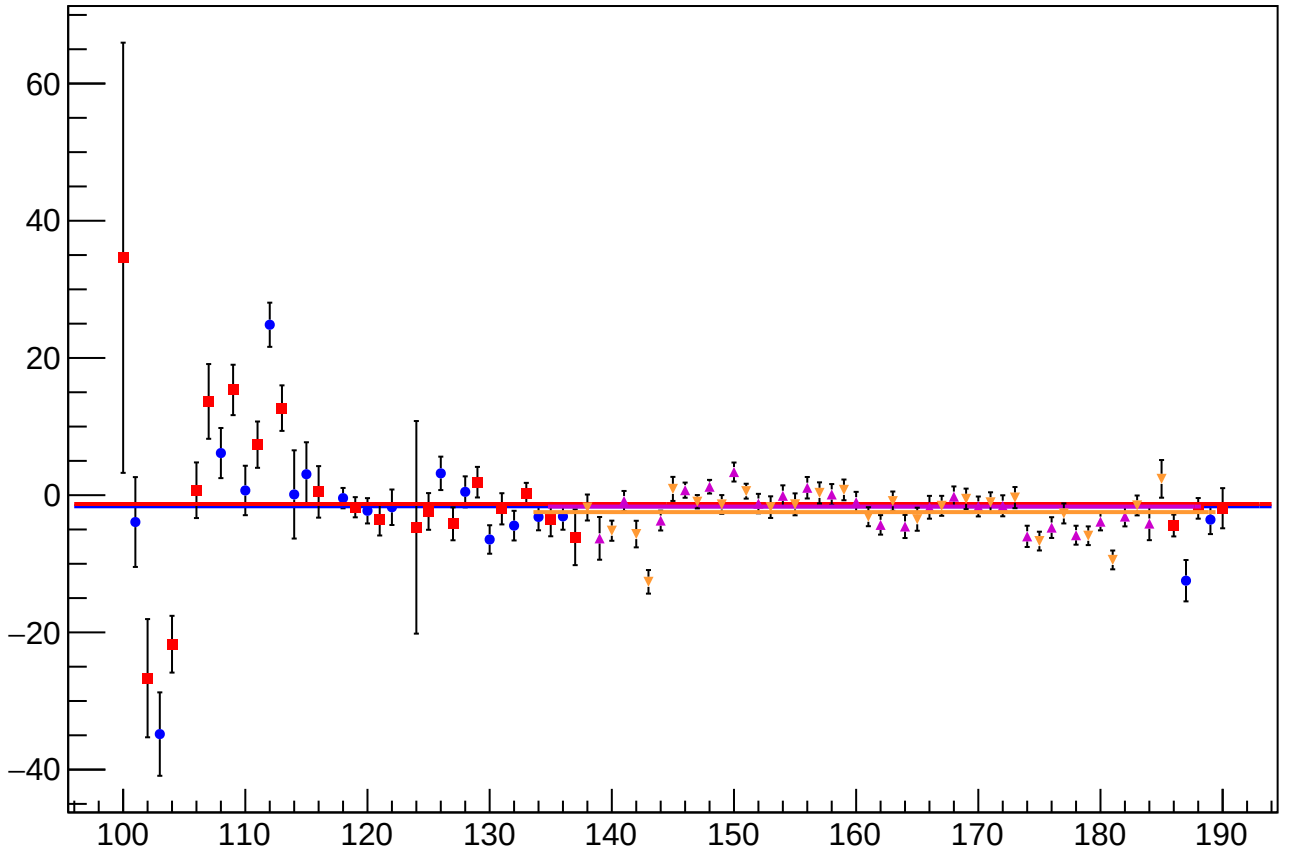
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 24.948+/-0.365 χ^2/NDF: 6855.7/39

In: 21.412+/-0.321 χ^2/NDF:2900.3/40

Out: 24.580+/-0.300 χ^2/NDF:5302.9/46

All: 23.104+/-0.219 χ^2/NDF: 8255.2/87



Right In: -1.619+/-0.583 χ^2/NDF: 131.2/17

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.286+/-0.540 χ^2/NDF: 99.3/21

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

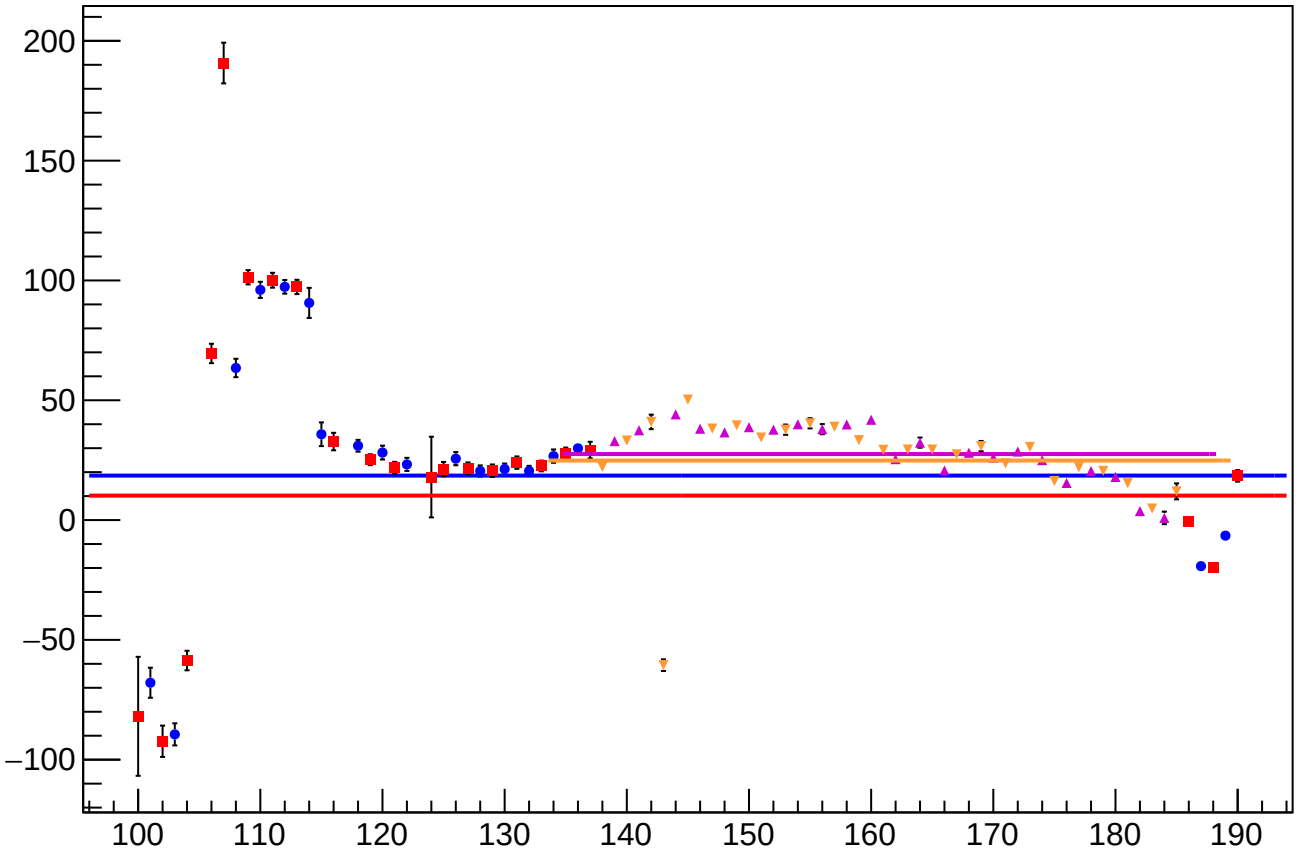
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.440+/-0.396 χ^2/NDF: 230.7/39

In: -1.651+/-0.270 χ^2/NDF:201.4/40

Out: -2.199+/-0.258 χ^2/NDF:219.8/46

All: -1.938+/-0.186 χ^2/NDF: 423.3/87



Right In: 18.565+/-0.592 χ^2/NDF: 3279.1/17

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 10.206+/-0.477 χ^2/NDF: 5456.0/21

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

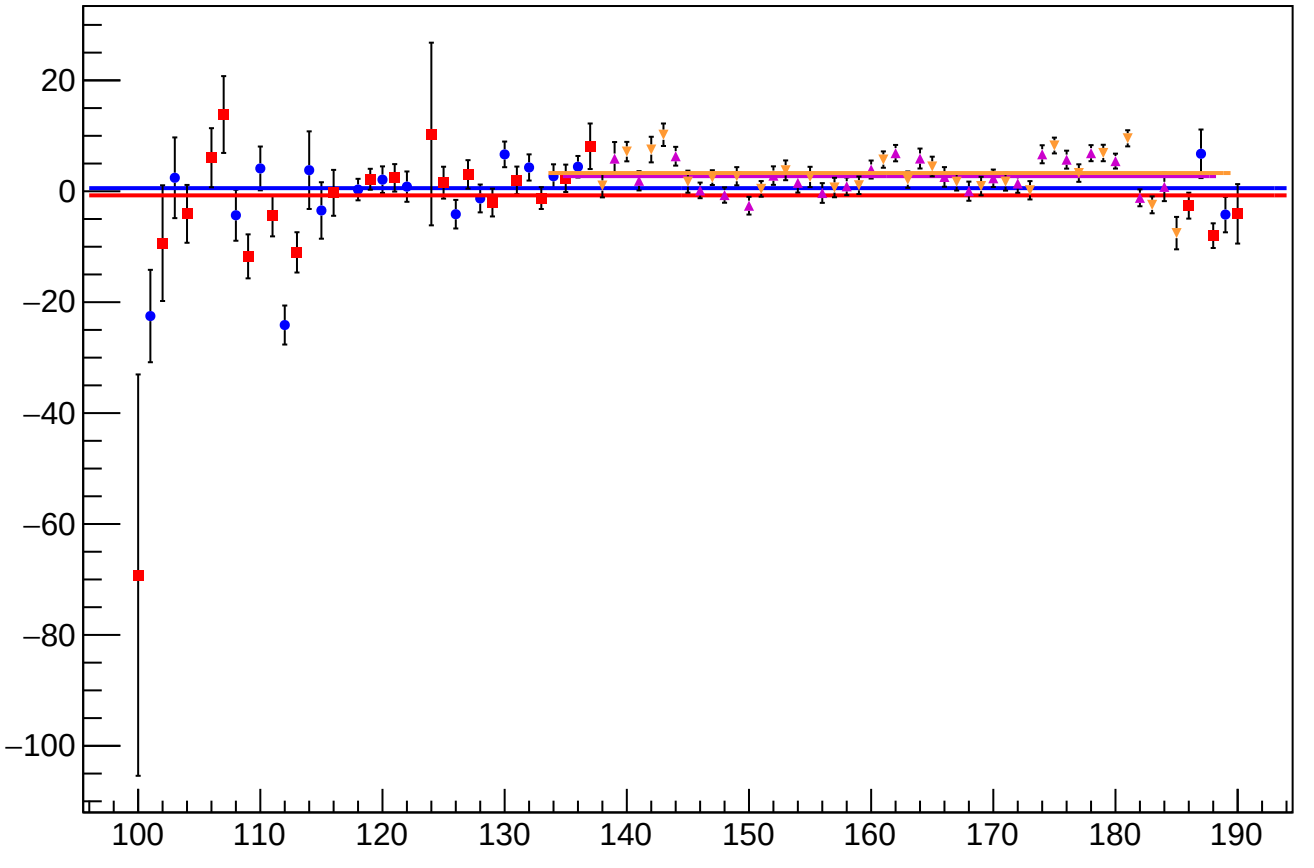
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 13.496+/-0.371 χ^2/NDF: 8856.1/39

In: 24.841+/-0.325 χ^2/NDF:4322.0/40

Out: 19.166+/-0.297 χ^2/NDF:8081.9/46

All: 21.749+/-0.219 χ^2/NDF: 12570.0/87



Right In: 0.562+/-0.680 χ^2/NDF: 82.7/17

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -0.740+/-0.657 χ^2/NDF: 54.1/21

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

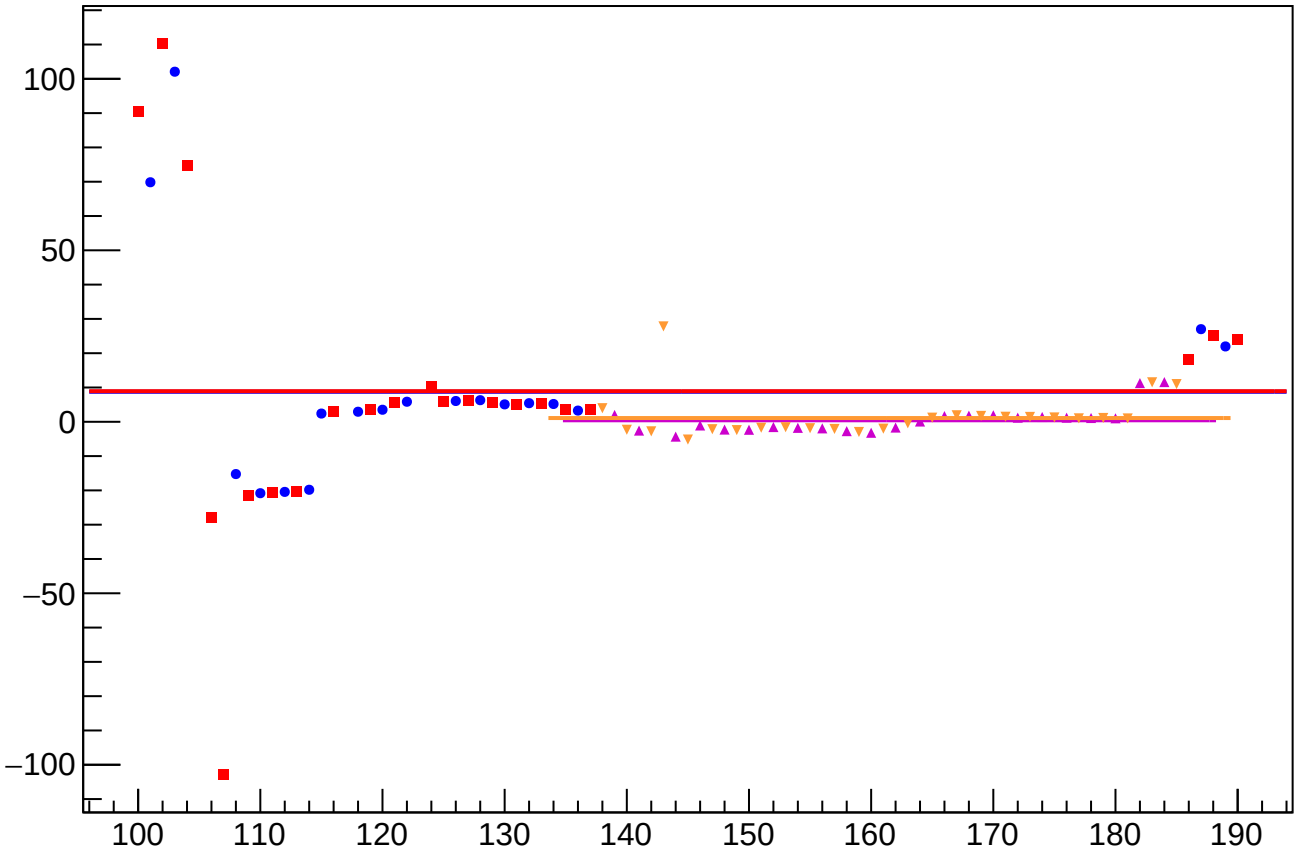
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -0.111+/-0.472 χ^2/NDF: 138.6/39

In: 2.292+/-0.306 χ^2/NDF:165.3/40

Out: 2.471+/-0.296 χ^2/NDF:190.3/46

All: 2.384+/-0.213 χ^2/NDF: 355.8/87



Right In: 8.753+/-0.040 χ^2/NDF: 338346.3/17

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 8.925+/-0.040 χ^2/NDF: 478119.8/21

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

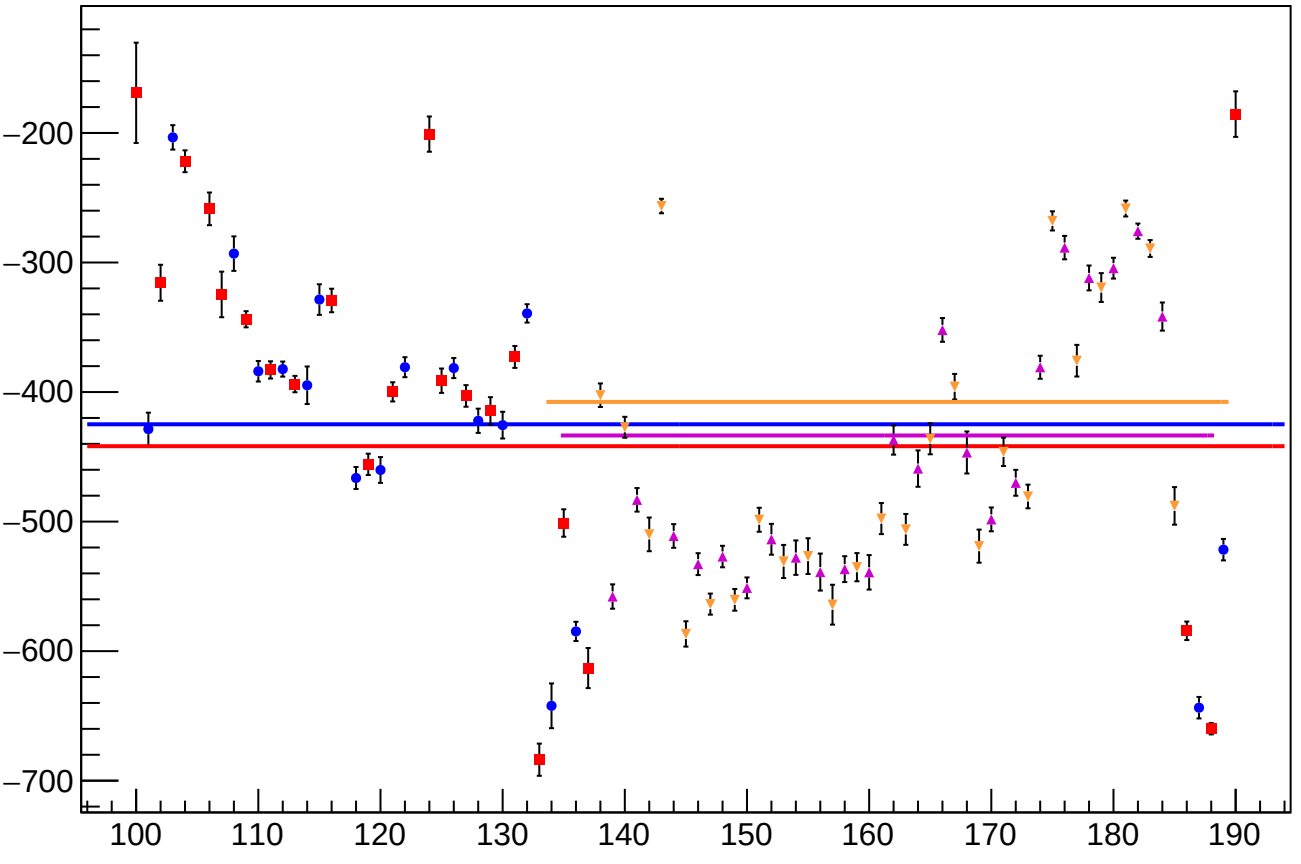
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 8.839+/-0.028 χ^2/NDF: 816475.2/39

In: 1.466+/-0.014 χ^2/NDF:429154.3/40

Out: 2.034+/-0.014 χ^2/NDF:640360.1/46

All: 1.754+/-0.010 χ^2/NDF: 1070335.0/87



Right In: -424.887+/-2.089 χ^2/NDF: 2499.3/17

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -441.804+/-1.837 χ^2/NDF: 5685.5/21

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

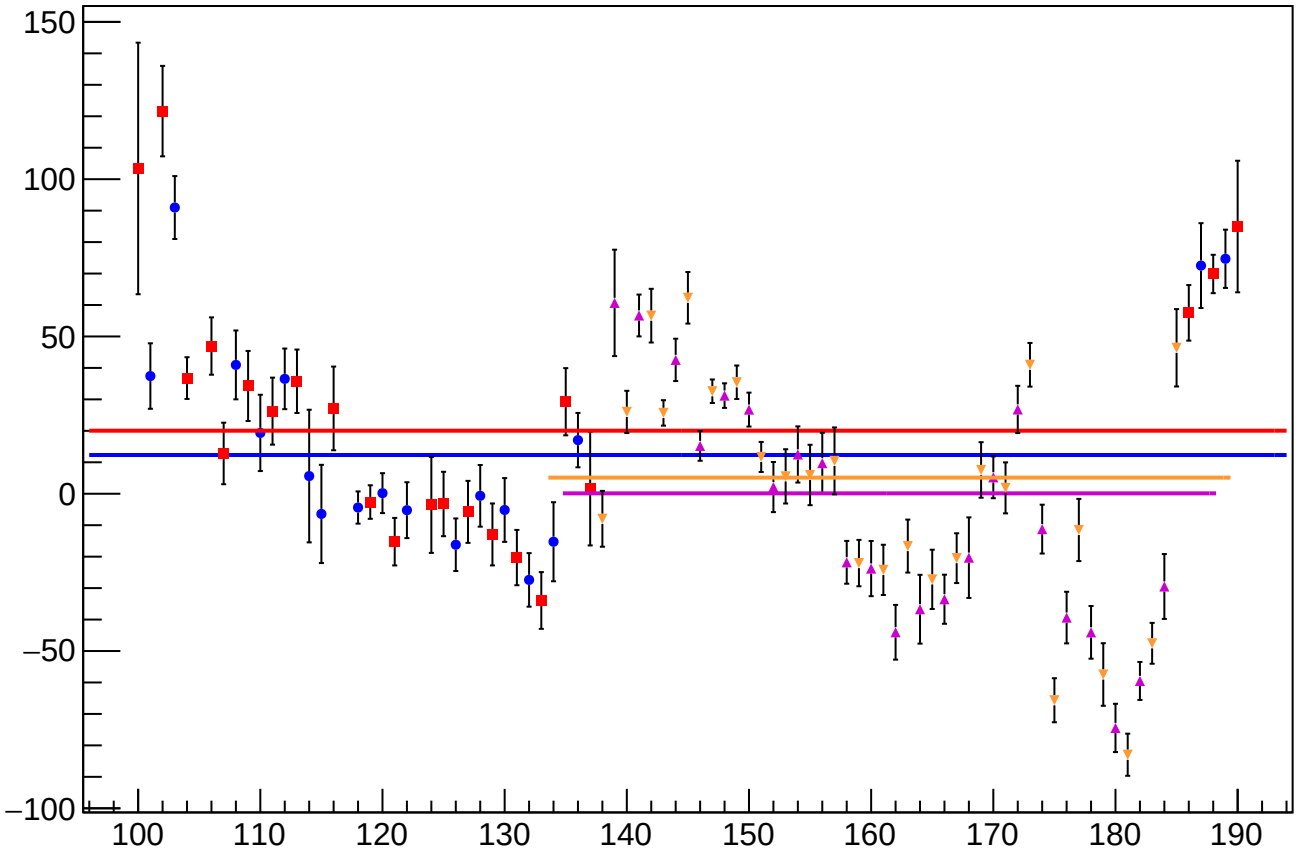
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -434.427+/-1.380 χ^2/NDF: 8221.8/39

In: -429.411+/-1.442 χ^2/NDF:5232.8/40

Out: -424.994+/-1.310 χ^2/NDF:9861.4/46

All: -426.991+/-0.970 χ^2/NDF: 15099.3/87



Right In: 12.314+/-2.171 χ^2/NDF: 209.5/17

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 20.043+/-2.003 χ^2/NDF: 293.1/21

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

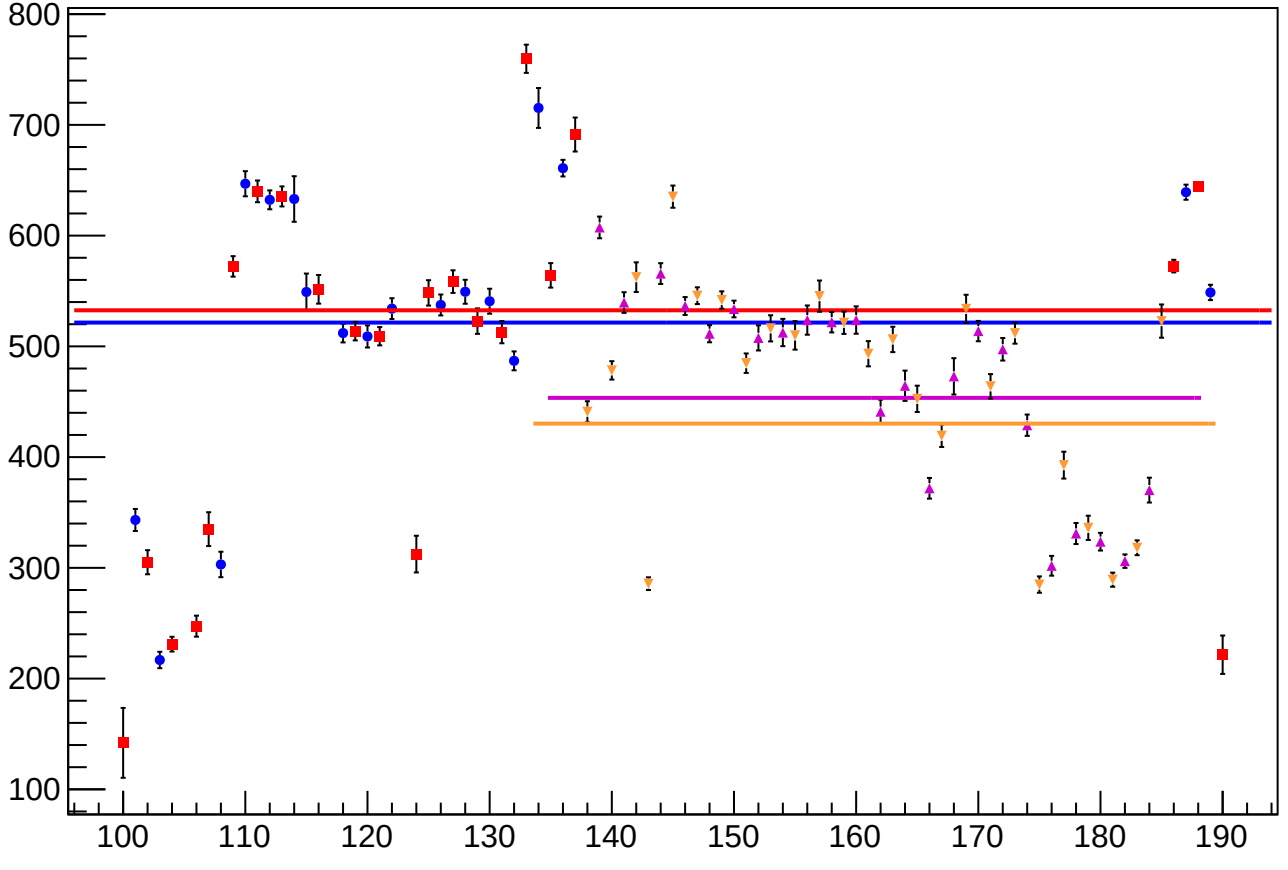
Right: 16.488+/-1.472 χ^2/NDF: 509.4/39

In: 4.025+/-1.228 χ^2/NDF:799.5/40

Out: 9.919+/-1.136 χ^2/NDF:1019.9/46

All: 7.203+/-0.834 χ^2/NDF: 1831.8/87

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 521.476+/-2.218 χ^2/NDF: 3508.3/17

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 532.567+/-1.863 χ^2/NDF: 6003.2/21

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

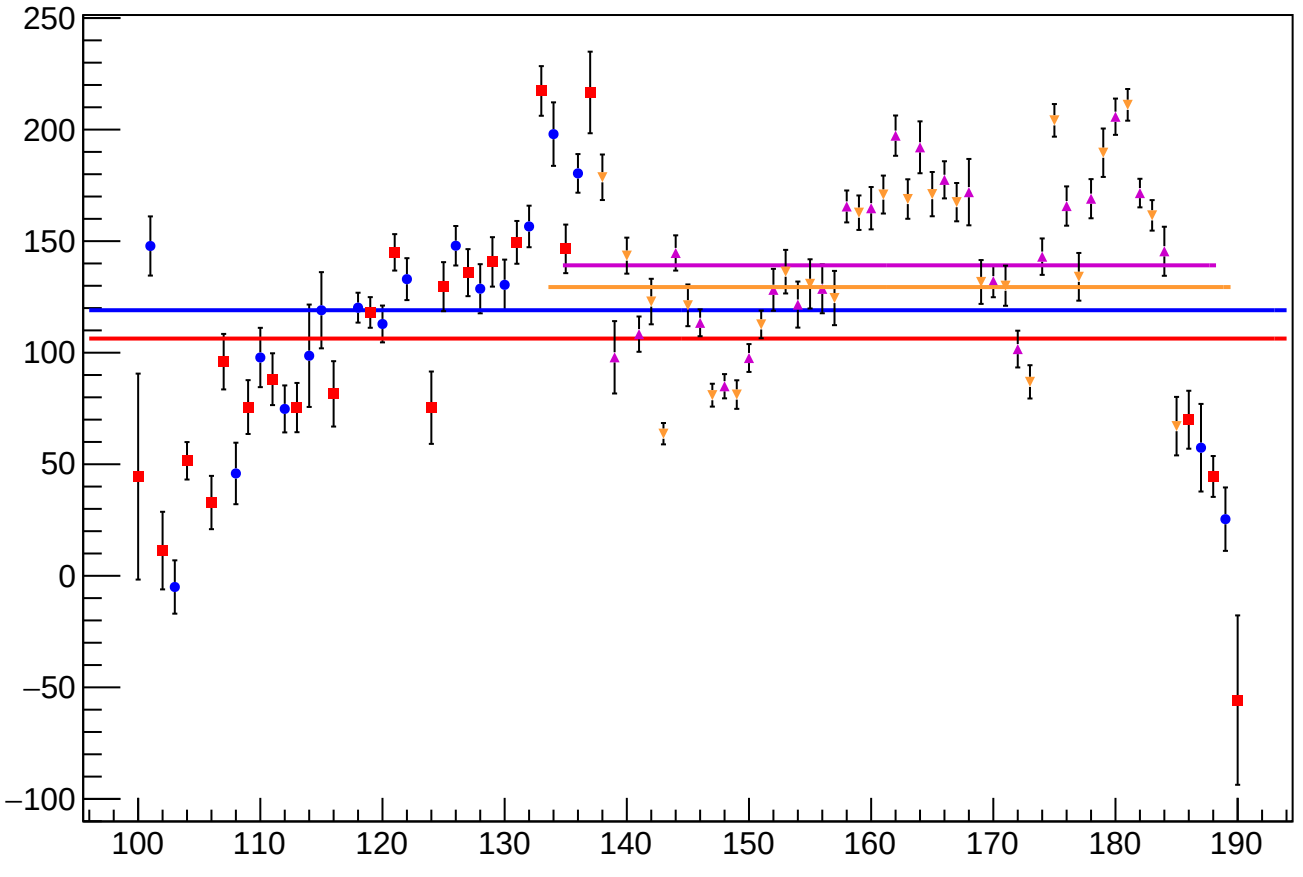
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 527.978+/-1.426 χ^2/NDF: 9526.2/39

In: 483.545+/-1.474 χ^2/NDF:6452.2/40

Out: 481.353+/-1.317 χ^2/NDF:10918.5/46

All: 482.325+/-0.982 χ^2/NDF: 17371.9/87



Right In: 119.041+/-2.561 χ^2/NDF: 327.3/17

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 106.339+/-2.405 χ^2/NDF: 424.7/21

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

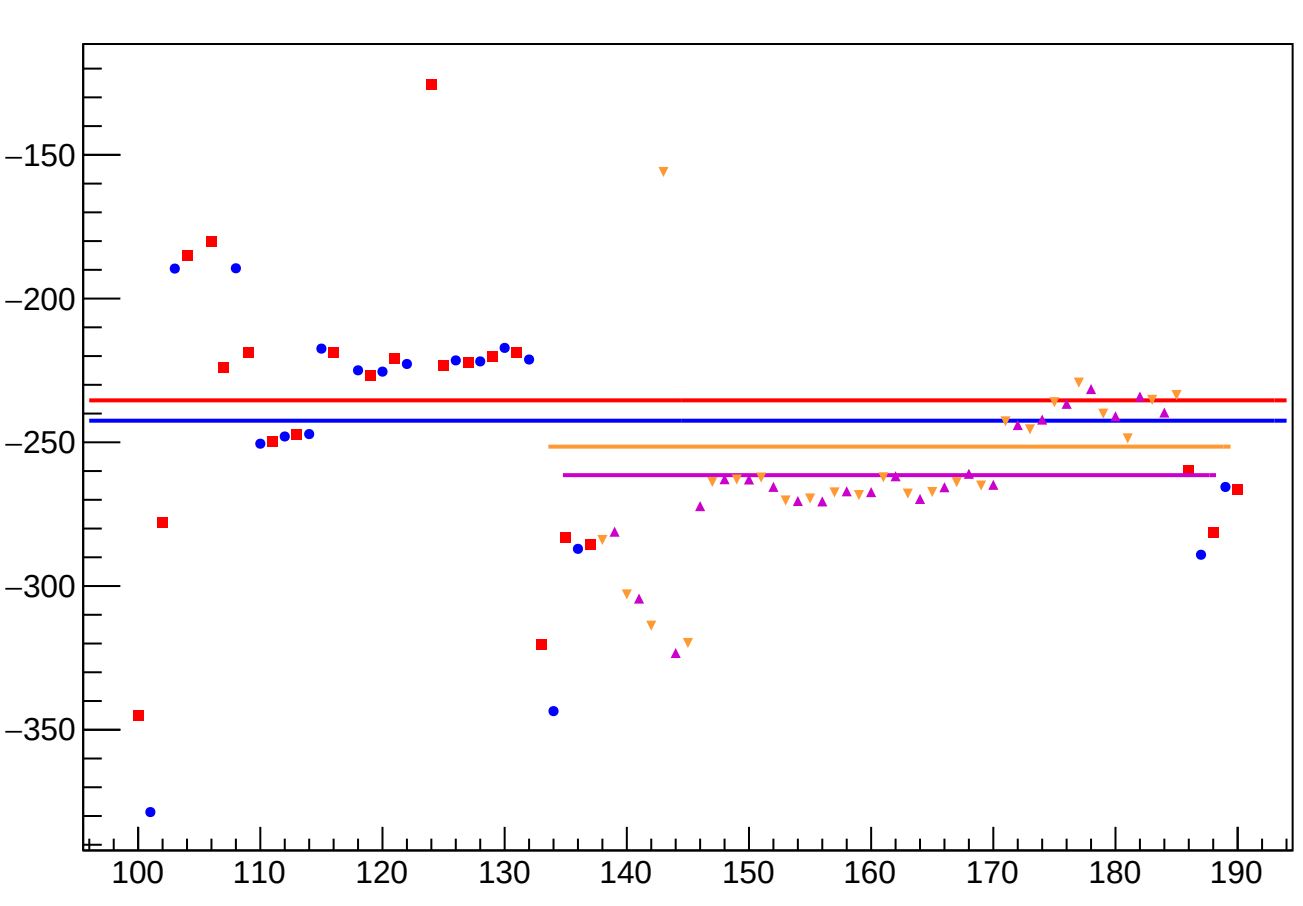
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 112.290+/-1.753 χ^2/NDF: 765.1/39

In: 132.985+/-1.419 χ^2/NDF:804.3/40

Out: 122.381+/-1.328 χ^2/NDF:1303.0/46

All: 127.331+/-0.970 χ^2/NDF: 2137.0/87



Right In: -242.484+/-0.146 χ^2/NDF: 137365.5/17

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -235.407+/-0.138 χ^2/NDF: 94922.1/21

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

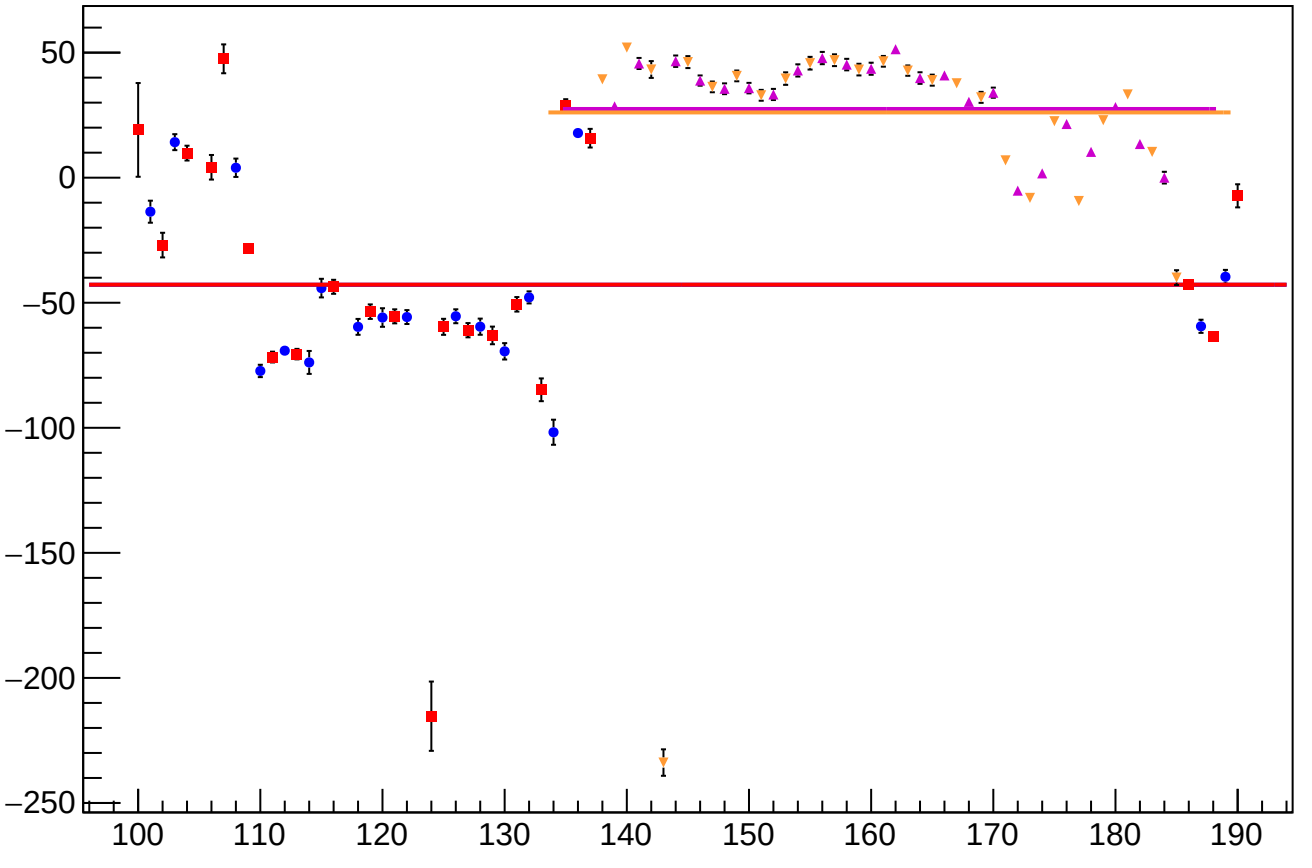
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -238.753+/-0.100 χ^2/NDF: 233533.6/39

In: -257.210+/-0.069 χ^2/NDF:220086.3/40

Out: -247.862+/-0.066 χ^2/NDF:360398.5/46

All: -252.323+/-0.047 χ^2/NDF: 590174.9/87



Right In: -42.822+/-0.676 χ^2/NDF: 2448.6/17

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -42.775+/-0.576 χ^2/NDF: 2753.8/21

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

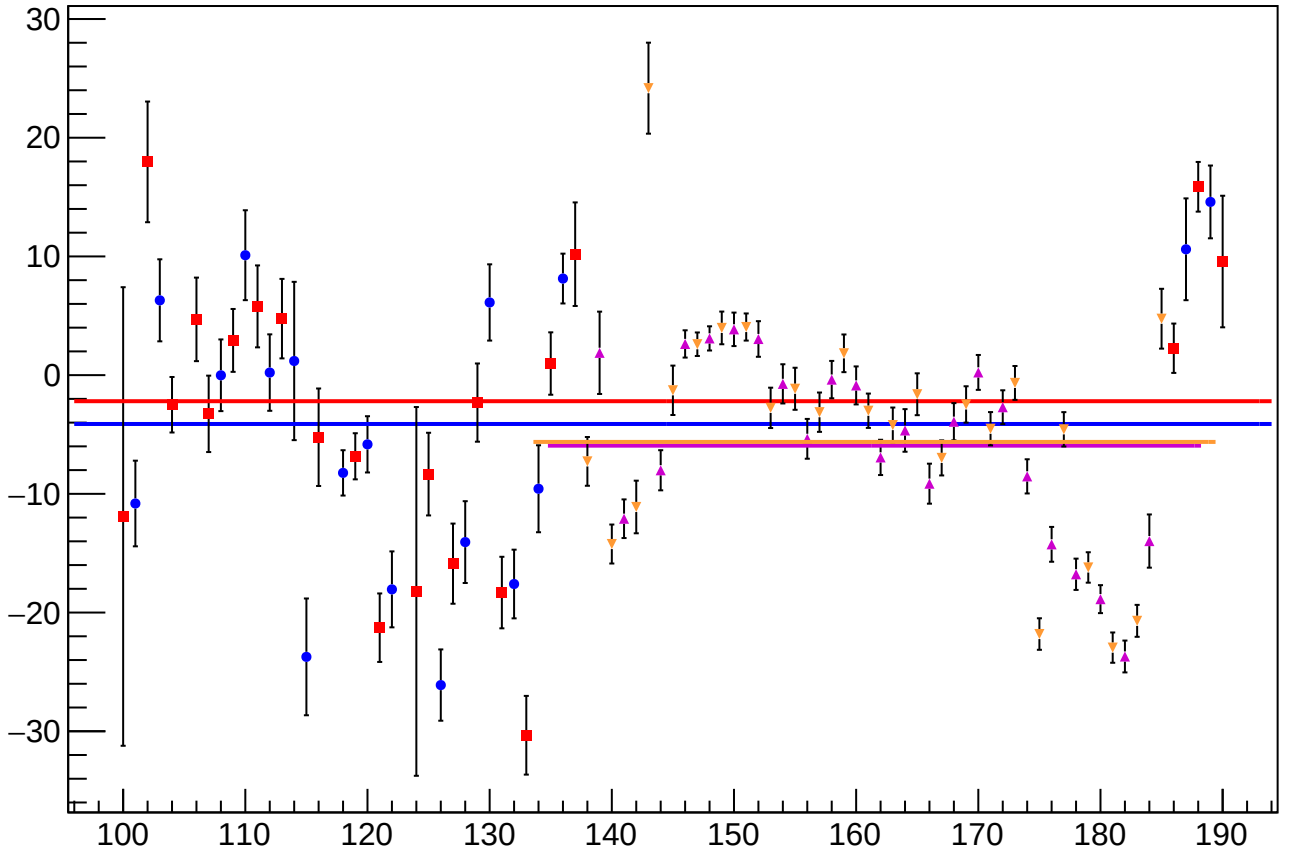
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -42.795+/-0.438 χ^2/NDF: 5202.4/39

In: 9.523+/-0.342 χ^2/NDF:12108.5/40

Out: 4.450+/-0.323 χ^2/NDF:17350.5/46

All: 6.843+/-0.235 χ^2/NDF: 29575.6/87



Right In: -4.115+/-0.721 χ^2/NDF: 250.1/17

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -2.195+/-0.657 χ^2/NDF: 297.7/21

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

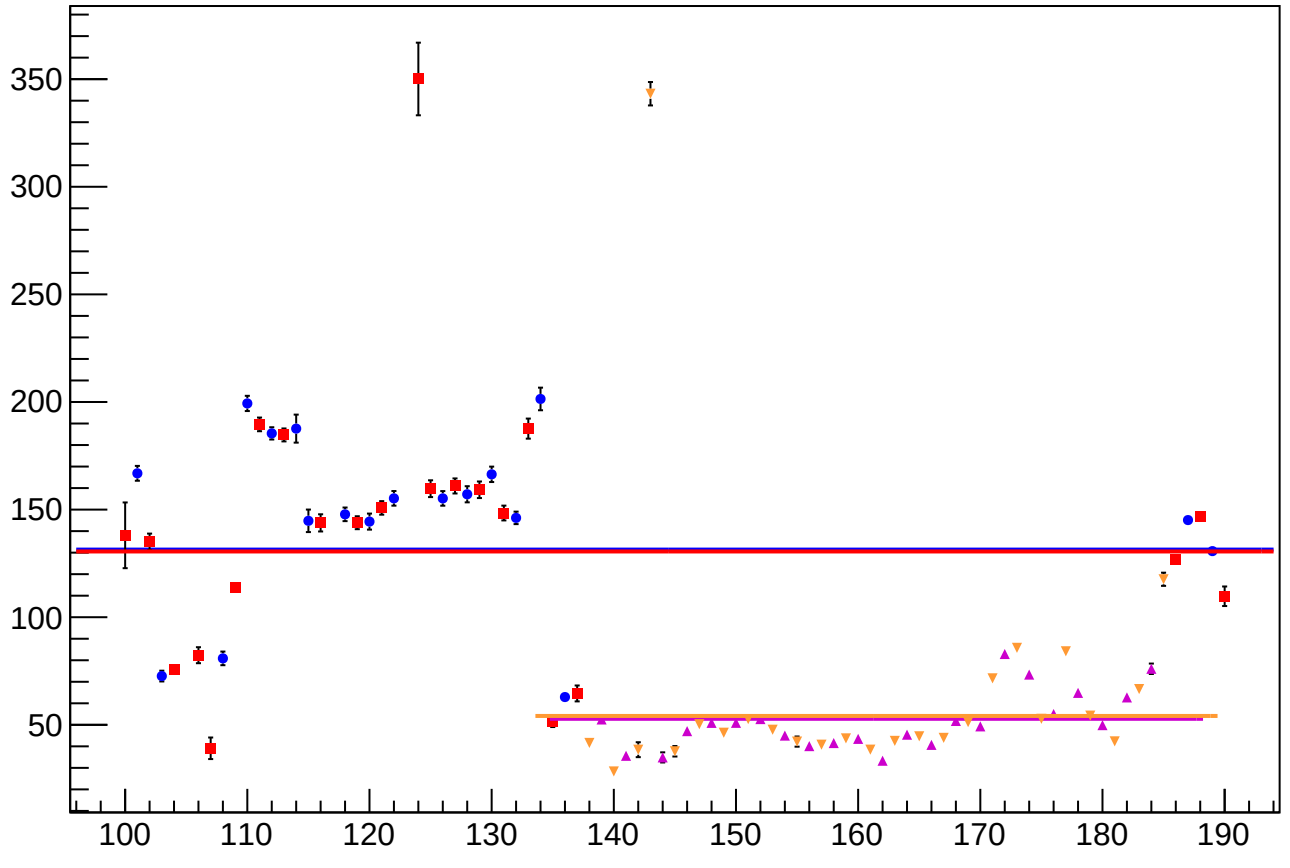
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -3.066+/-0.485 χ^2/NDF: 551.7/39

In: -5.657+/-0.284 χ^2/NDF:967.8/40

Out: -5.027+/-0.274 χ^2/NDF:1213.5/46

All: -5.331+/-0.197 χ^2/NDF: 2183.9/87



Right In: 131.420+/-0.715 χ^2/NDF: 3669.8/17

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 130.549+/-0.587 χ^2/NDF: 3757.3/21

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

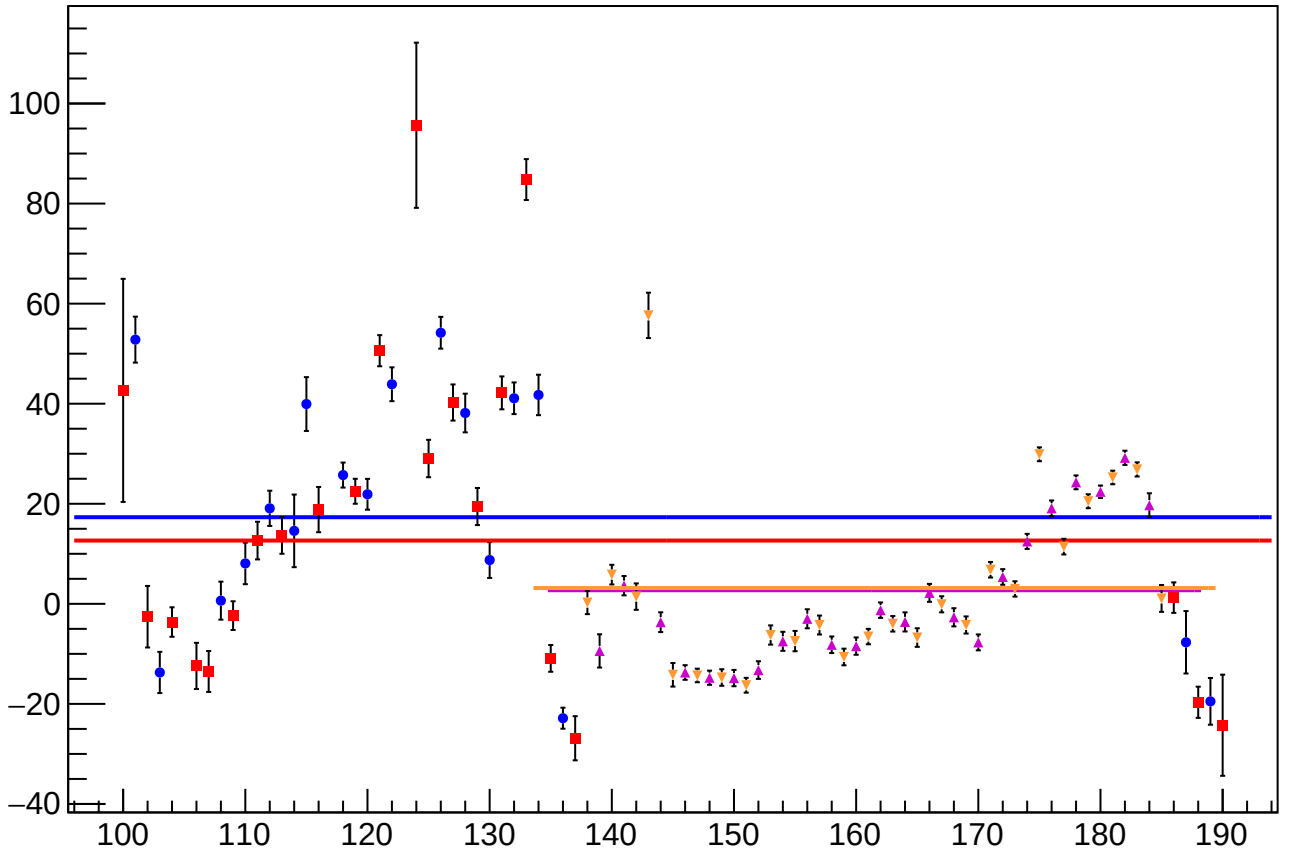
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 130.900+/-0.454 χ^2/NDF: 7428.0/39

In: 71.015+/-0.344 χ^2/NDF:13940.7/40

Out: 77.278+/-0.323 χ^2/NDF:20148.1/46

All: 74.341+/-0.236 χ^2/NDF: 34264.8/87



Right In: 17.314+/-0.838 χ^2/NDF: 940.1/17

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 12.652+/-0.786 χ^2/NDF: 1093.6/21

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

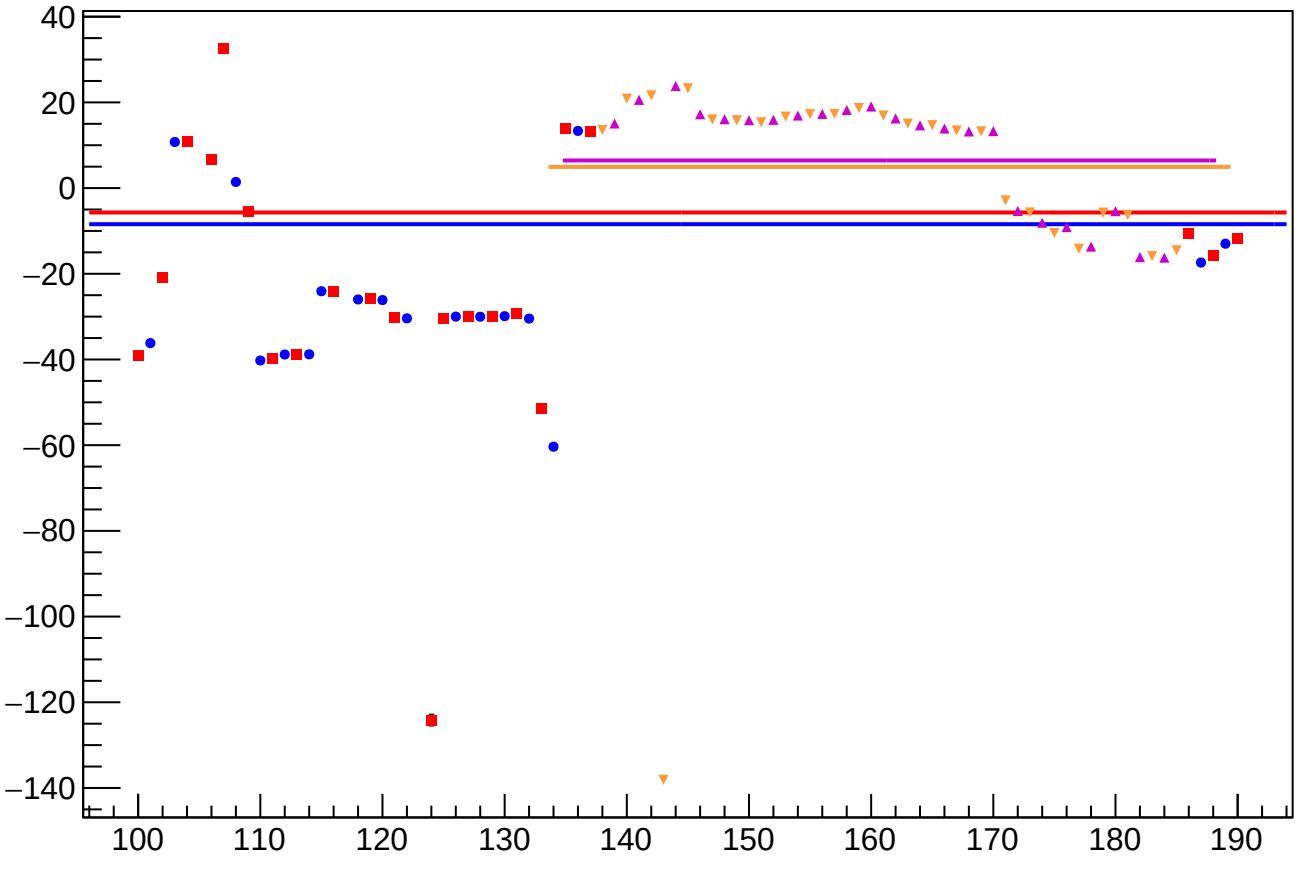
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 14.834+/-0.573 χ^2/NDF: 2050.2/39

In: 4.855+/-0.320 χ^2/NDF:2934.2/40

Out: 4.650+/-0.312 χ^2/NDF:3228.9/46

All: 4.750+/-0.224 χ^2/NDF: 6163.3/87



Right In: -8.427+/-0.044 χ^2/NDF: 269129.5/17

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -5.695+/-0.044 χ^2/NDF: 233975.4/21

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

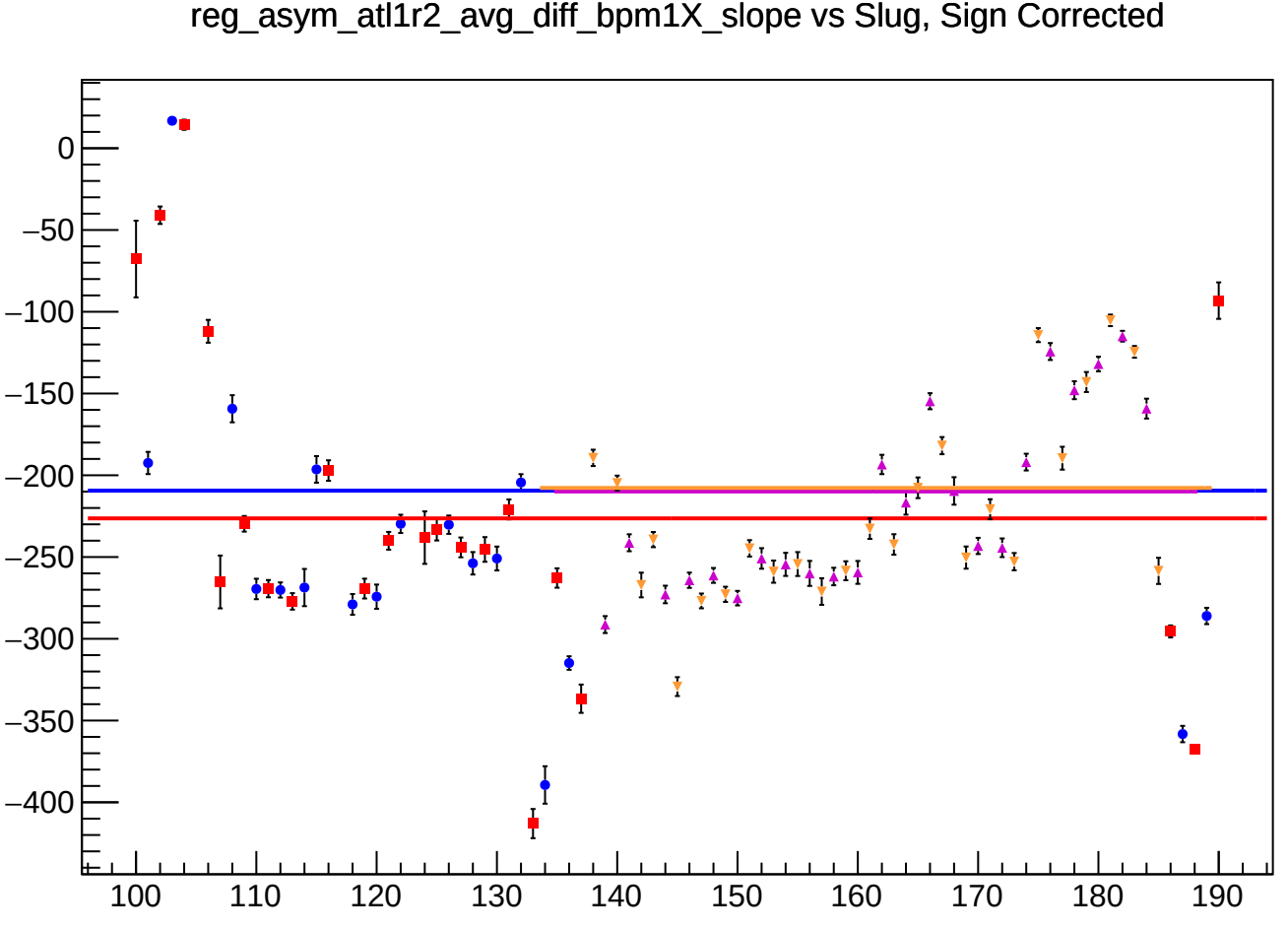
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -7.035+/-0.031 χ^2/NDF: 505038.2/39

In: 4.855+/-0.014 χ^2/NDF:1099296.6/40

Out: 3.787+/-0.014 χ^2/NDF:1423731.2/46

All: 4.316+/-0.010 χ^2/NDF: 2525766.5/87



Right In: -209.399+/-1.316 χ^2/NDF: 8511.6/17

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -226.361+/-1.159 χ^2/NDF: 11721.4/21

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

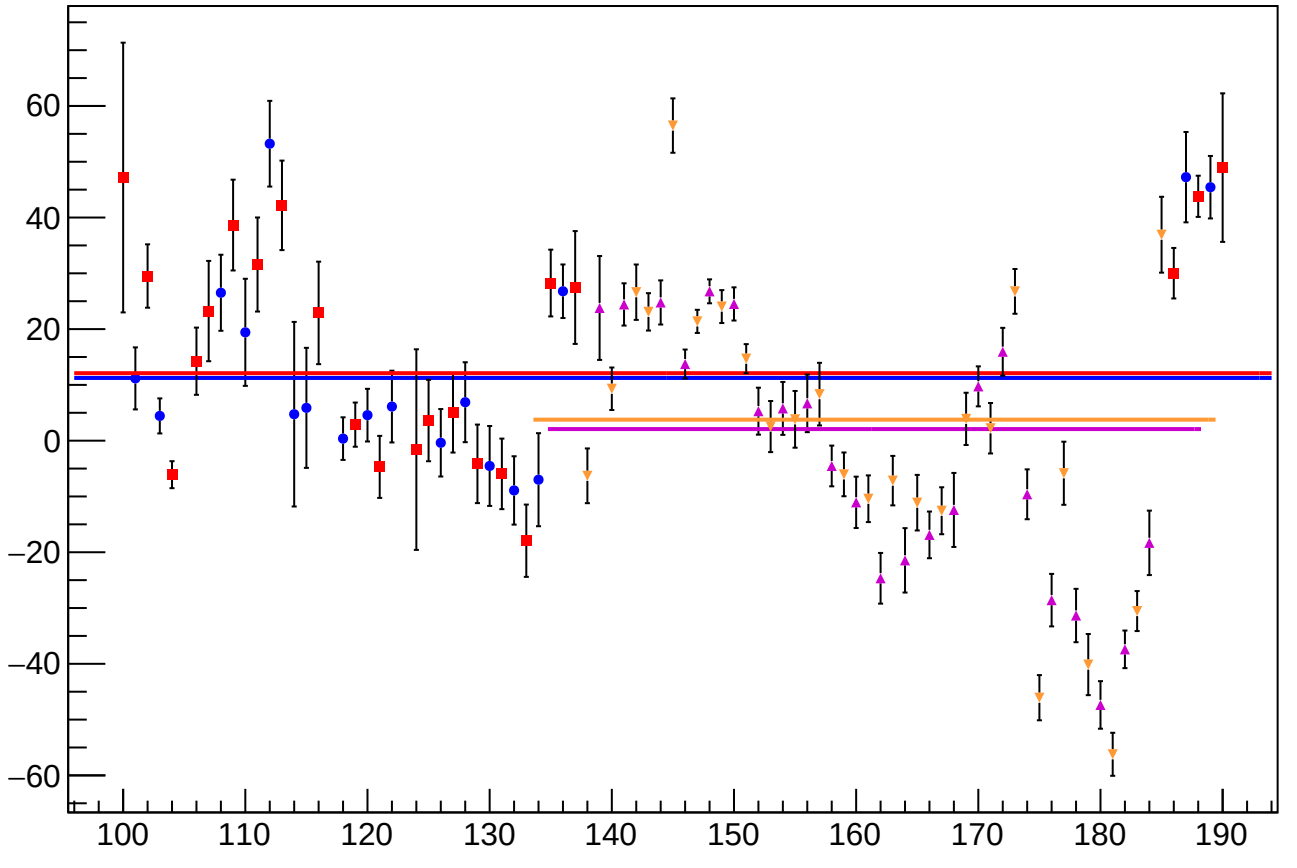
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -218.952+/-0.870 χ^2/NDF: 20326.5/39

In: -209.679+/-0.845 χ^2/NDF:11523.6/40

Out: -216.306+/-0.786 χ^2/NDF:15347.8/46

All: -213.230+/-0.575 χ^2/NDF: 26904.4/87



Right In: 11.246+/-1.373 χ^2/NDF: 143.5/17

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 12.099+/-1.220 χ^2/NDF: 260.2/21

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

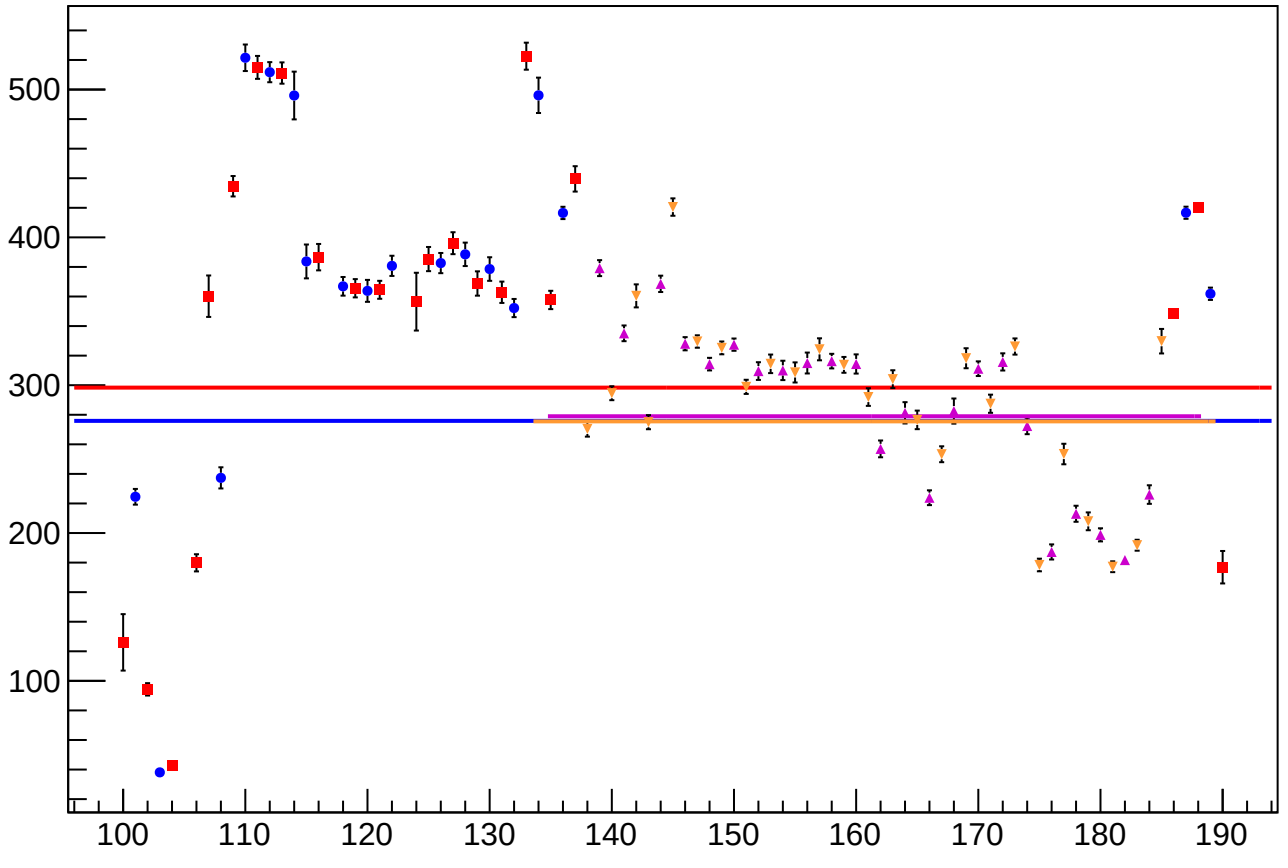
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 11.723+/-0.912 χ^2/NDF: 403.9/39

In: 4.490+/-0.704 χ^2/NDF:946.5/40

Out: 6.219+/-0.661 χ^2/NDF:1265.3/46

All: 5.408+/-0.482 χ^2/NDF: 2215.0/87



Right In: 275.868+/-1.278 χ^2/NDF: 17265.3/17

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 298.364+/-1.087 χ^2/NDF: 21173.2/21

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

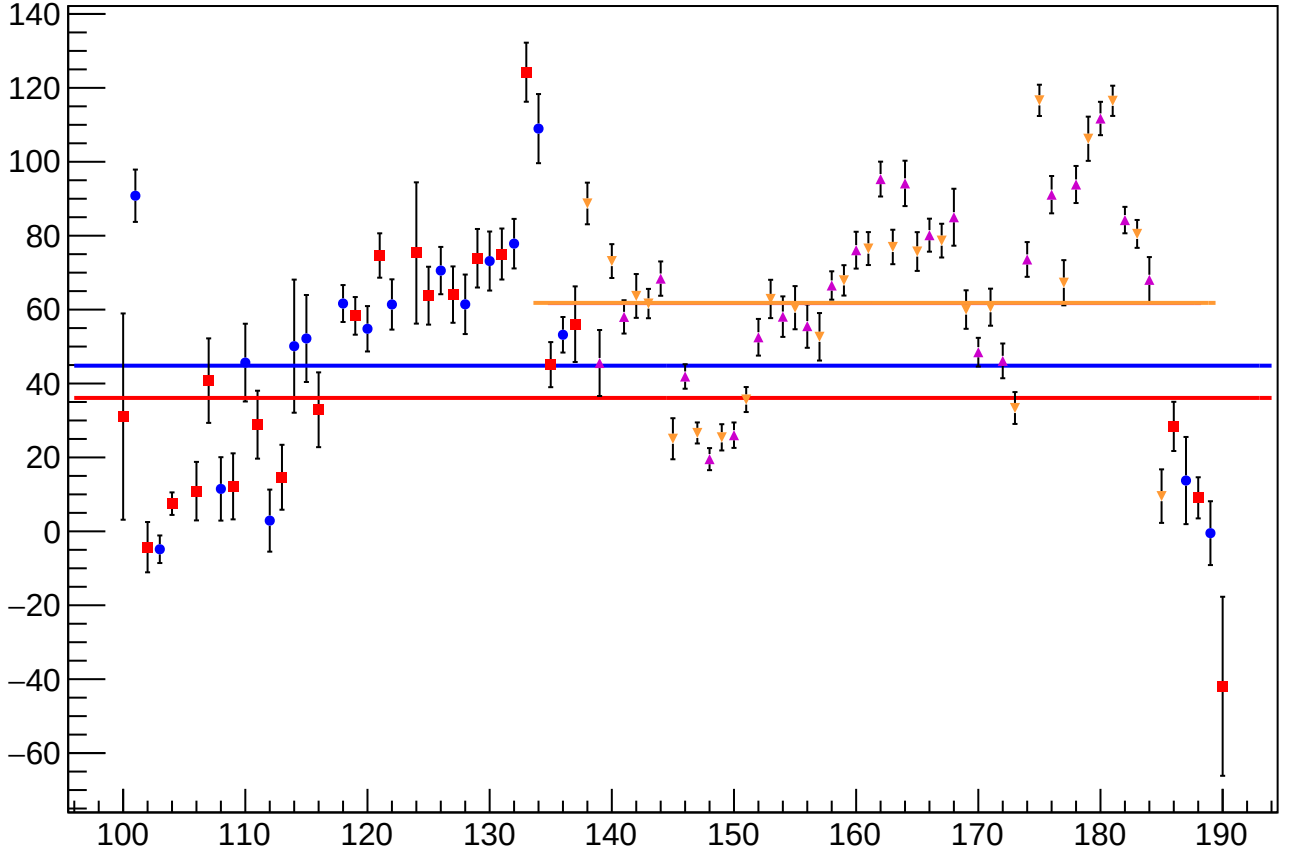
Right: 288.921+/-0.828 χ^2/NDF: 38618.2/39

In: 277.677+/-0.829 χ^2/NDF:20383.4/40

Out: 286.680+/-0.760 χ^2/NDF:24721.9/46

All: 282.570+/-0.560 χ^2/NDF: 45169.5/87

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.826+/-1.622 χ^2/NDF: 421.7/17

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 36.100+/-1.492 χ^2/NDF: 455.3/21

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

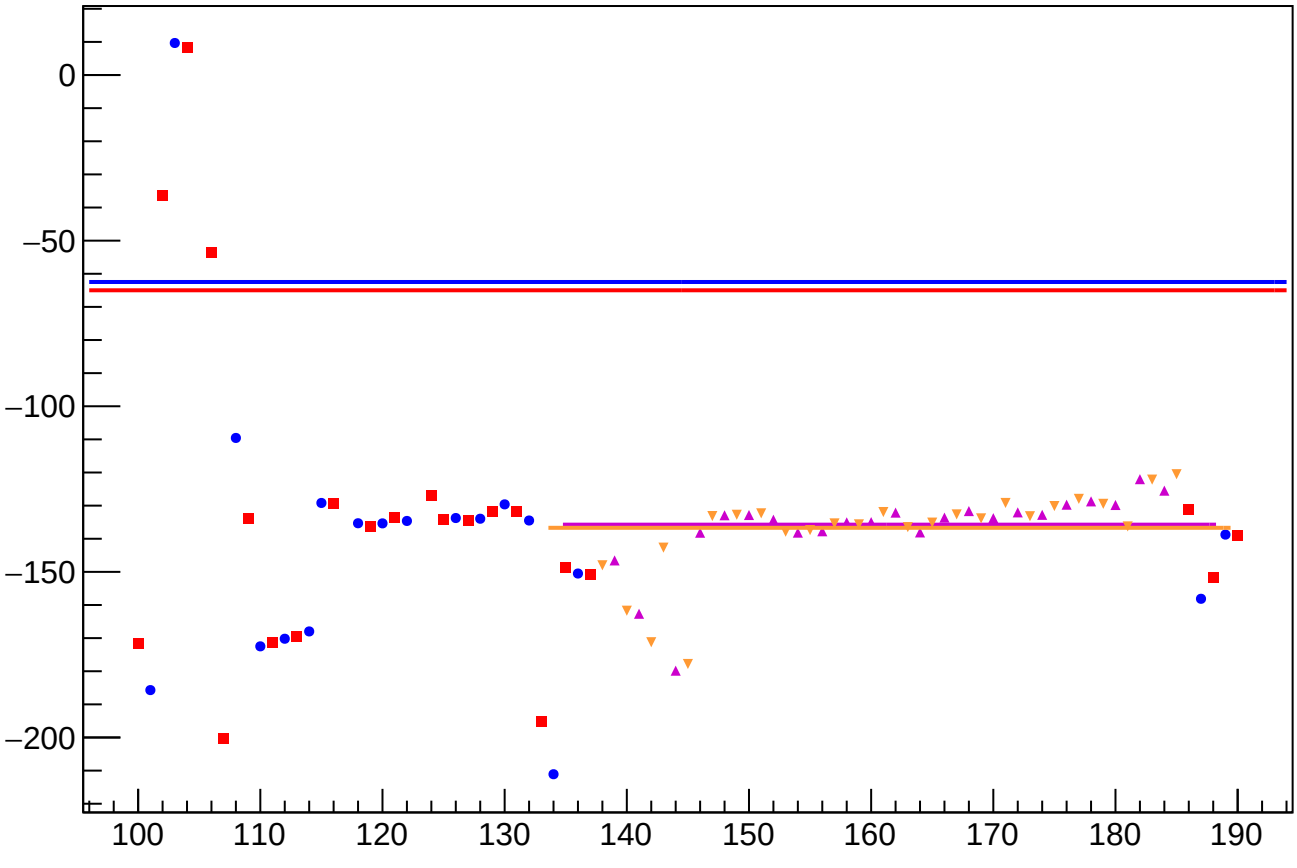
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 40.100+/-1.098 χ^2/NDF: 892.7/39

In: 57.514+/-0.812 χ^2/NDF:1239.4/40

Out: 54.873+/-0.775 χ^2/NDF:1631.7/46

All: 56.131+/-0.561 χ^2/NDF: 2876.6/87



Right In: -62.480+/-0.071 χ^2/NDF: 1284675.0/17

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -64.987+/-0.071 χ^2/NDF: 991845.7/21

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

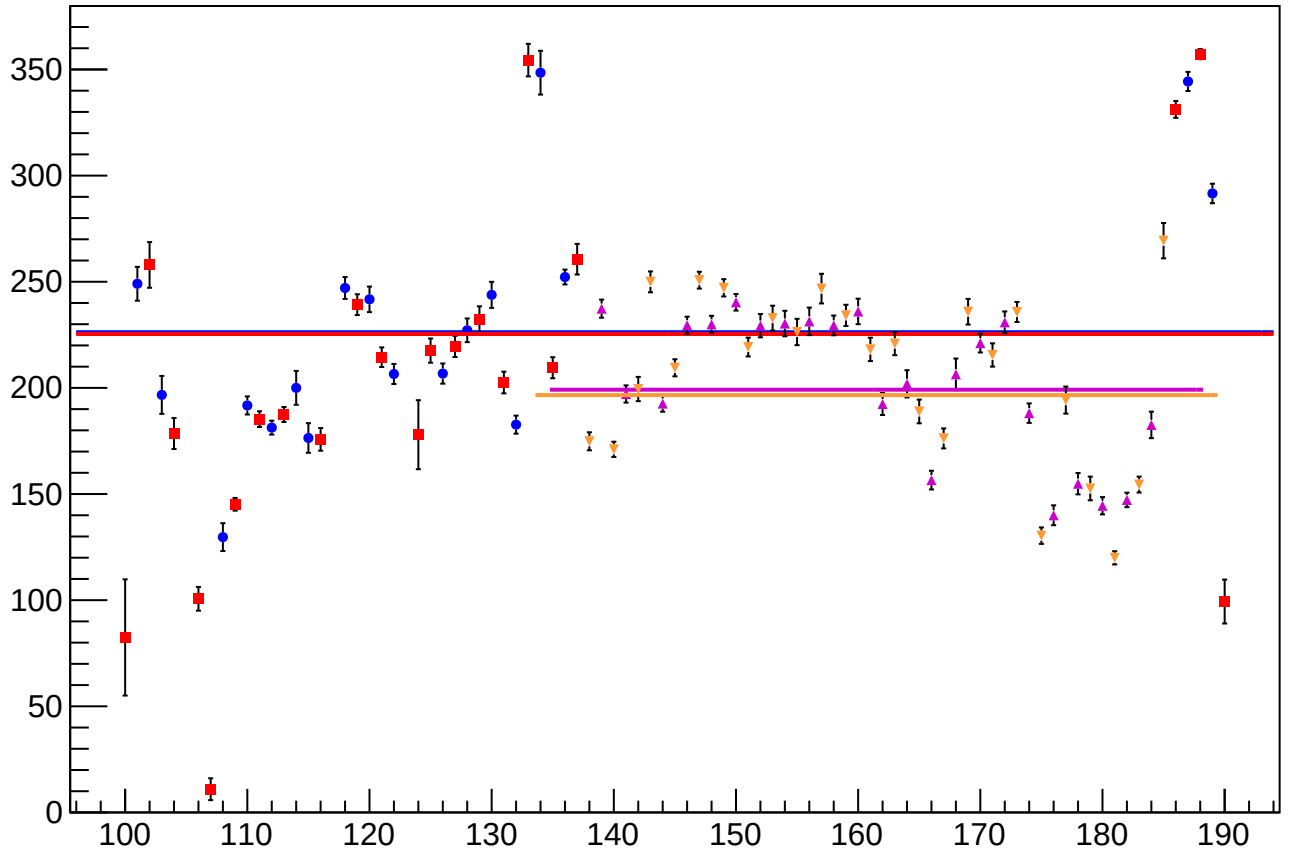
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -63.735+/-0.050 χ^2/NDF: 2277143.0/39

In: -116.251+/-0.037 χ^2/NDF:2127881.1/40

Out: -117.953+/-0.036 χ^2/NDF:1823847.5/46

All: -117.110+/-0.026 χ^2/NDF: 3952816.5/87



Right In: 226.220+/-1.202 χ^2/NDF: 1810.0/17

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 225.386+/-1.026 χ^2/NDF: 7606.7/21

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

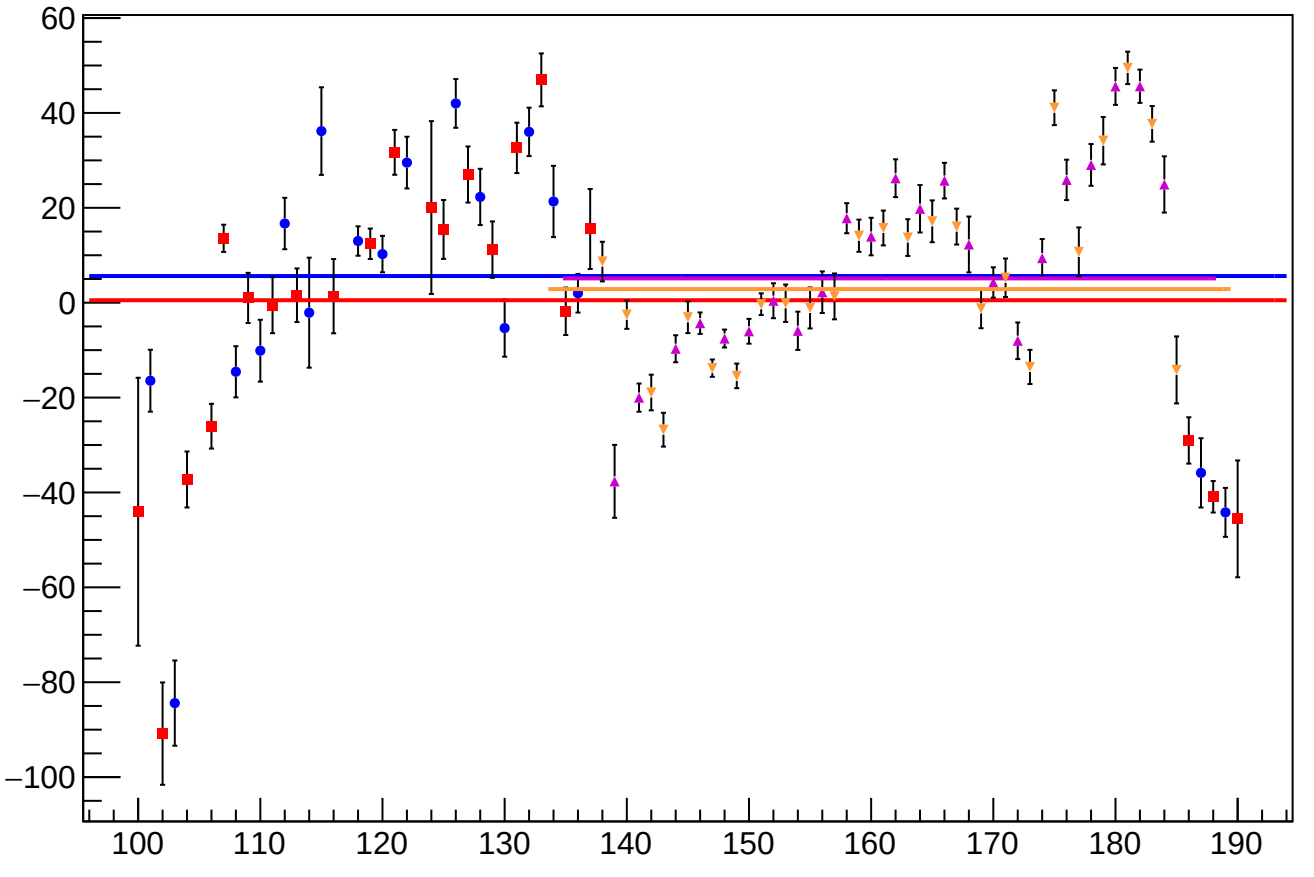
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

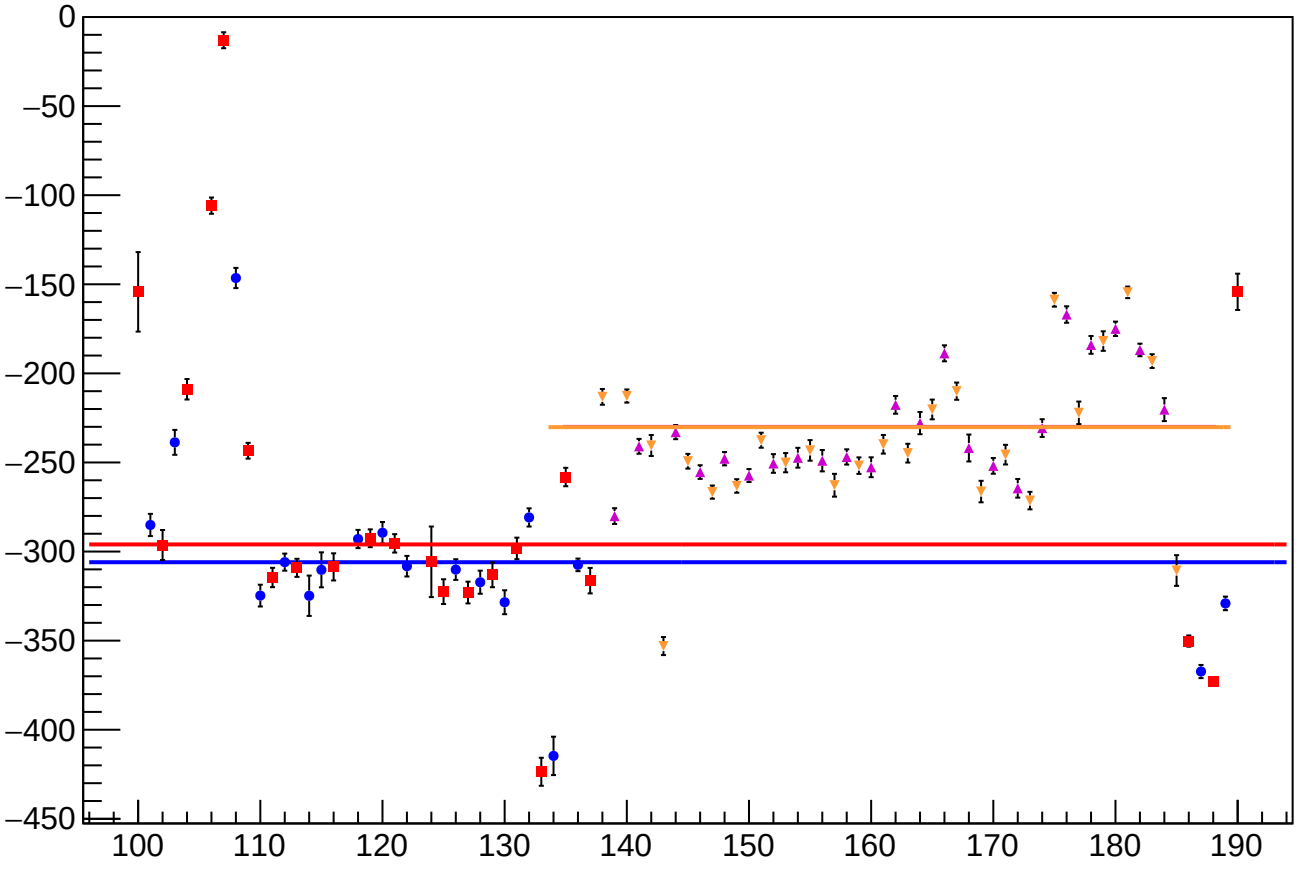
Right: 225.738+/-0.780 χ^2/NDF: 9417.0/39

In: 209.868+/-0.756 χ^2/NDF:3411.1/40

Out: 209.837+/-0.696 χ^2/NDF:10106.9/46

All: 209.851+/-0.512 χ^2/NDF: 13518.0/87


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: 5.620+/-1.271 χ²/NDF: 401.3/17
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: 0.519+/-1.114 χ²/NDF: 571.2/21
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: 2.736+/-0.838 χ²/NDF: 981.6/39
In: 5.245+/-0.625 χ²/NDF:1030.0/40
Out: 2.214+/-0.588 χ²/NDF:1327.2/46
All: 3.638+/-0.428 χ²/NDF: 2369.7/87



Right In: -305.986+/-1.284 χ^2/NDF: 1376.1/17

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -296.004+/-1.045 χ^2/NDF: 8611.7/21

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

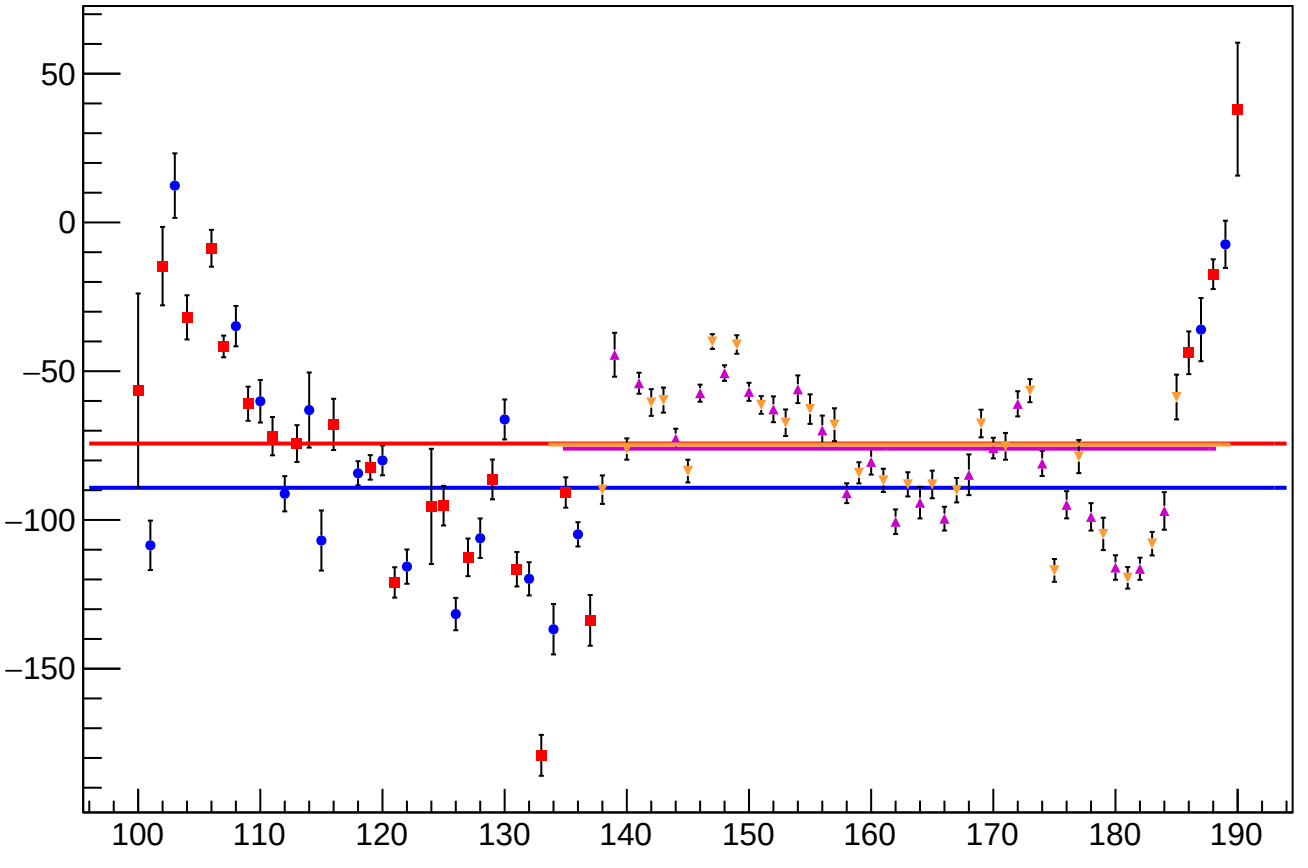
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -299.983+/-0.811 χ^2/NDF: 10024.1/39

In: -257.311+/-0.769 χ^2/NDF:4712.1/40

Out: -259.575+/-0.699 χ^2/NDF:12987.9/46

All: -258.552+/-0.517 χ^2/NDF: 17704.7/87



Right In: -89.190+/-1.492 χ^2/NDF: 494.0/17

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -74.320+/-1.343 χ^2/NDF: 907.7/21

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

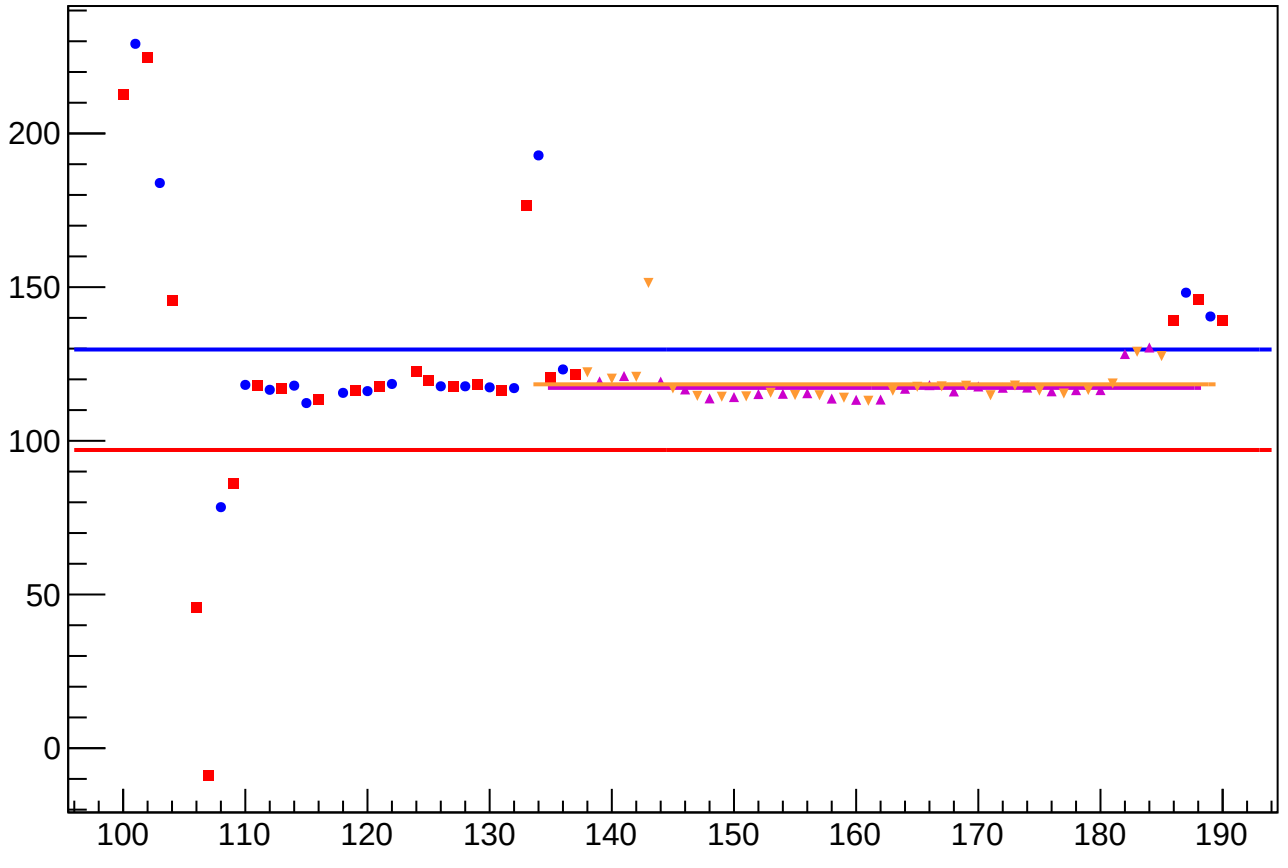
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -80.977+/-0.998 χ^2/NDF: 1456.7/39

In: -79.104+/-0.721 χ^2/NDF:1199.8/40

Out: -74.559+/-0.688 χ^2/NDF:1738.8/46

All: -76.723+/-0.498 χ^2/NDF: 2959.3/87



Right In: 129.710+/-0.086 χ^2/NDF: 185398.7/17

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 97.019+/-0.075 χ^2/NDF: 652589.7/21

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

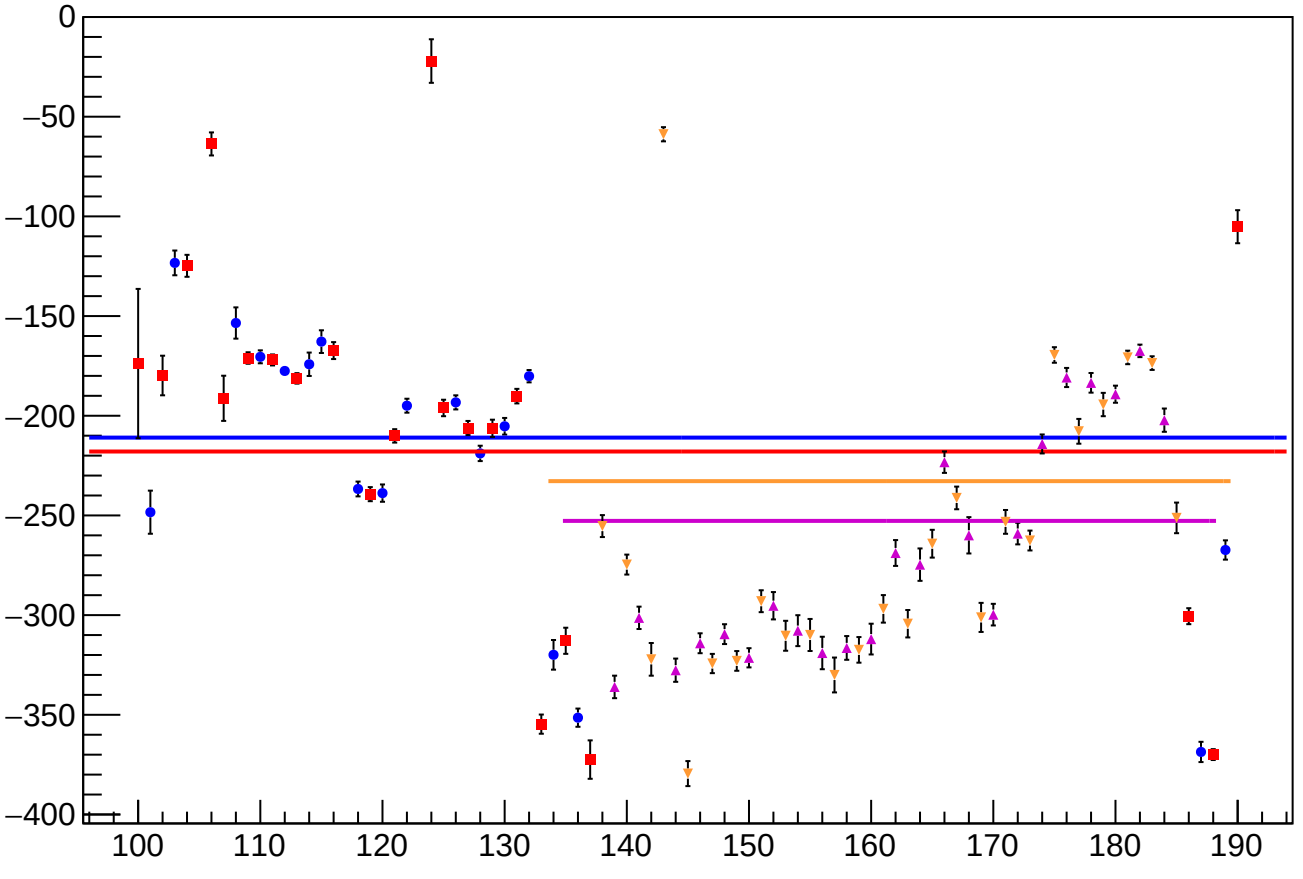
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 111.094+/-0.056 χ^2/NDF: 920420.9/39

In: 119.232+/-0.034 χ^2/NDF:213345.0/40

Out: 114.124+/-0.033 χ^2/NDF:752993.8/46

All: 116.596+/-0.024 χ^2/NDF: 977686.2/87



Right In: -210.960+/-0.983 χ^2/NDF: 3216.4/17

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -217.937+/-0.889 χ^2/NDF: 7343.1/21

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

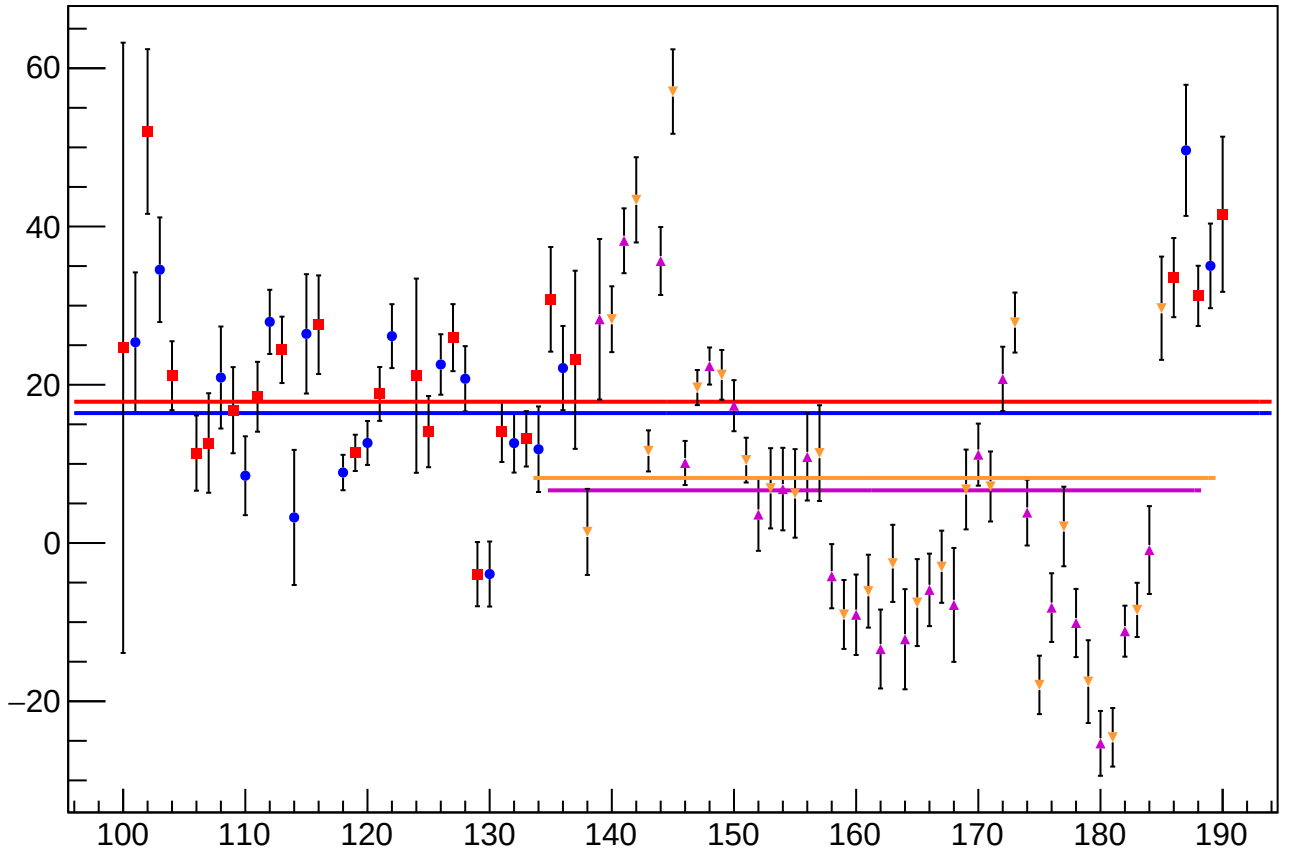
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.797+/-0.659 χ^2/NDF: 10587.2/39

In: -228.941+/-0.742 χ^2/NDF:6907.9/40

Out: -223.996+/-0.684 χ^2/NDF:13220.9/46

All: -226.270+/-0.503 χ^2/NDF: 20152.8/87



Right In: 16.420+/-1.020 χ^2/NDF: 101.9/17

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 17.856+/-0.976 χ^2/NDF: 95.0/21

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

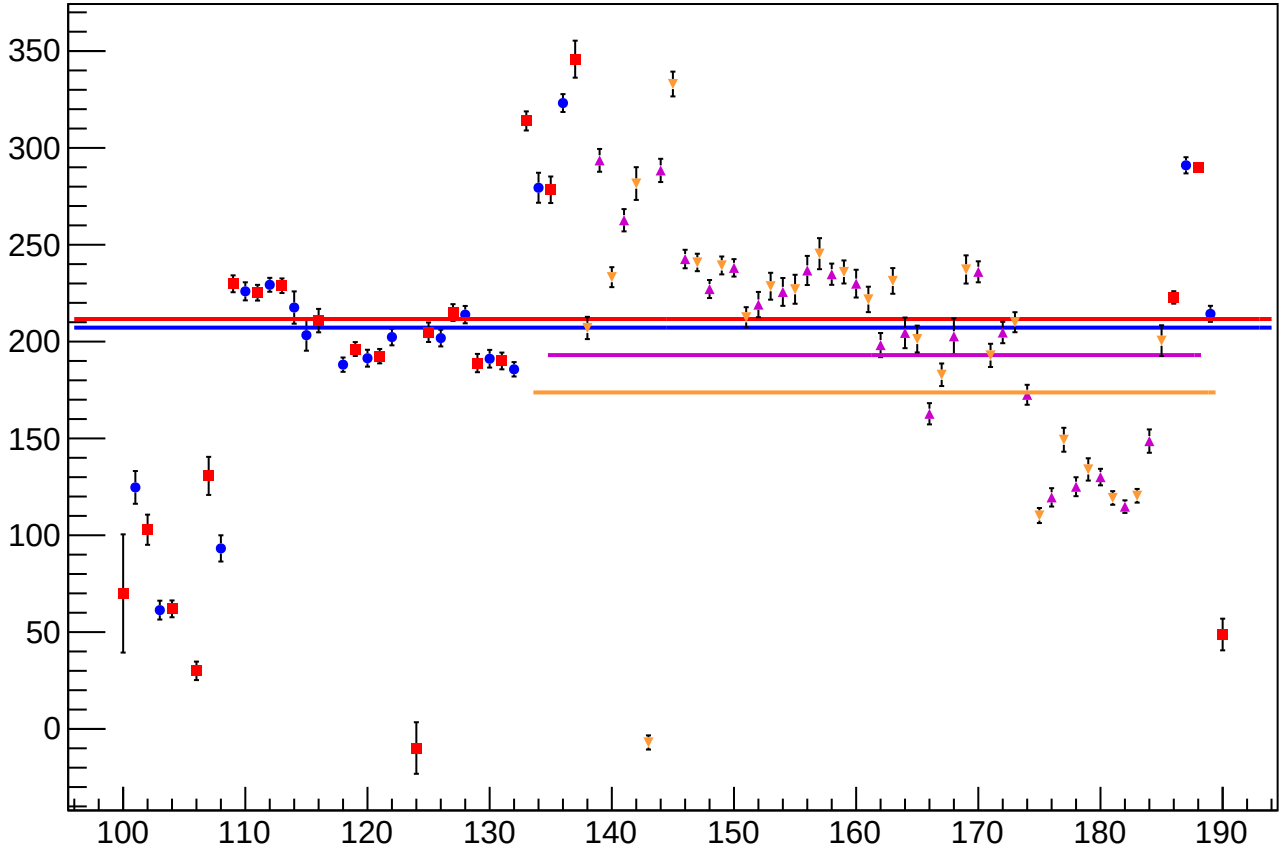
Right: 17.170+/-0.705 χ^2/NDF: 198.0/39

In: 10.703+/-0.657 χ^2/NDF:510.4/40

Out: 12.110+/-0.620 χ^2/NDF:611.0/46

All: 11.447+/-0.451 χ^2/NDF: 1123.8/87

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 207.202+/-1.107 χ^2/NDF: 2547.2/17

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 211.659+/-0.965 χ^2/NDF: 5730.8/21

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

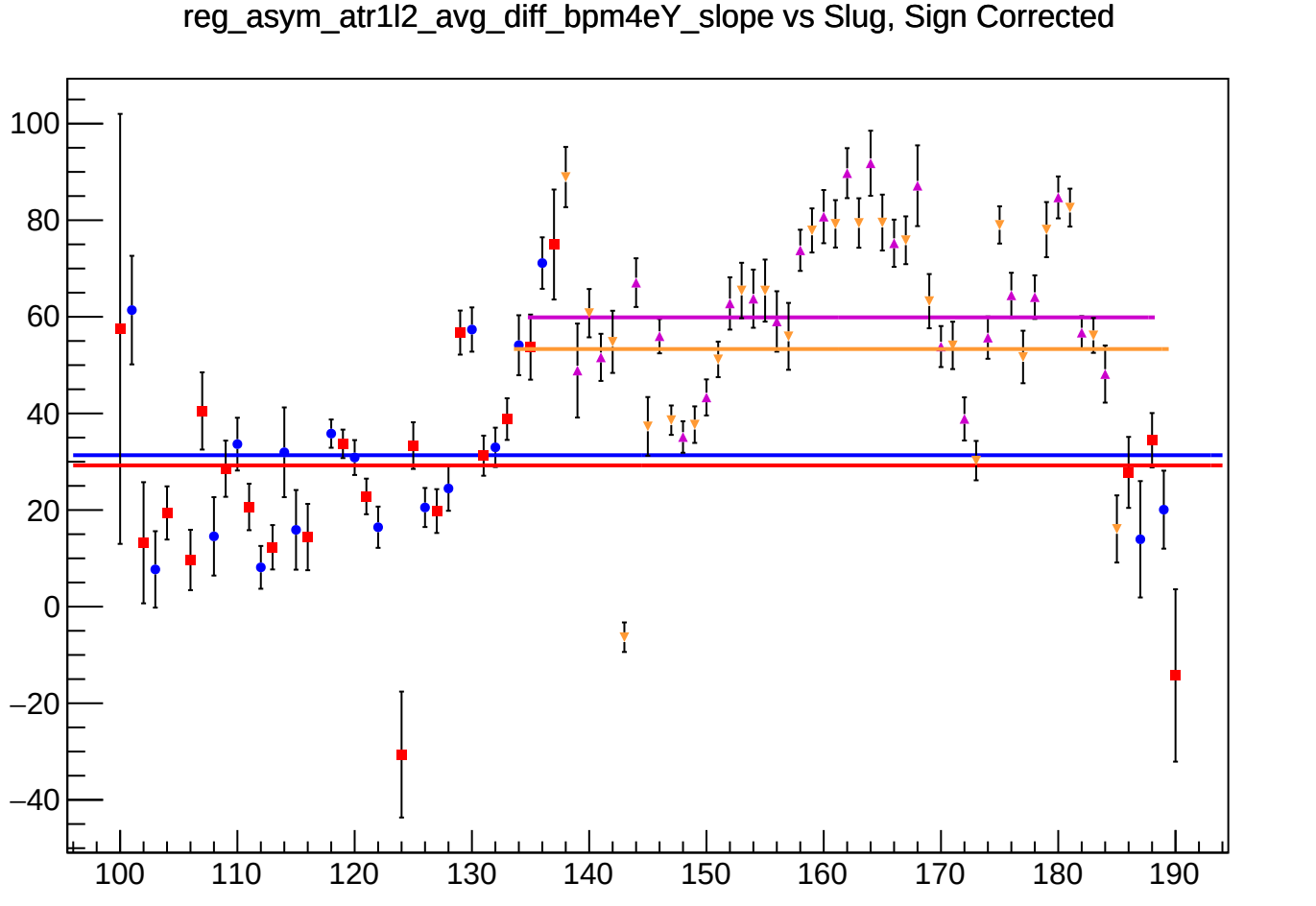
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 209.735+/-0.728 χ^2/NDF: 8287.2/39

In: 200.207+/-0.788 χ^2/NDF:5140.0/40

Out: 194.630+/-0.716 χ^2/NDF:11684.7/46

All: 197.152+/-0.530 χ^2/NDF: 16852.1/87



Right In: 31.349+/-1.197 χ^2/NDF: 181.2/17

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.246+/-1.153 χ^2/NDF: 147.7/21

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

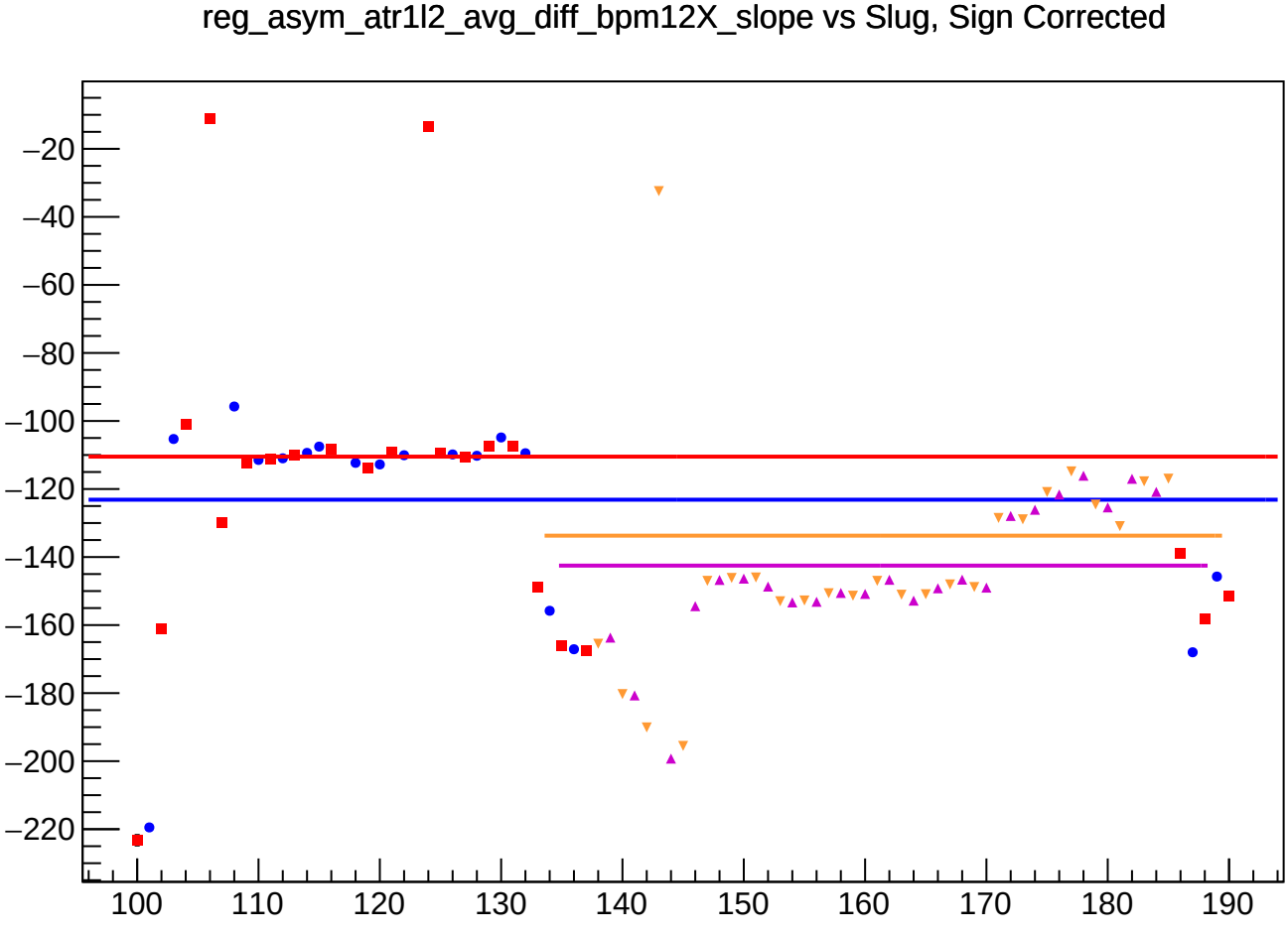
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.258+/-0.831 χ^2/NDF: 330.5/39

In: 48.479+/-0.757 χ^2/NDF:773.5/40

Out: 43.945+/-0.720 χ^2/NDF:1192.7/46

All: 46.099+/-0.522 χ^2/NDF: 1985.1/87



Right In: -123.144+/-0.077 χ^2/NDF: 128965.0/17

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -110.481+/-0.071 χ^2/NDF: 397570.9/21

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

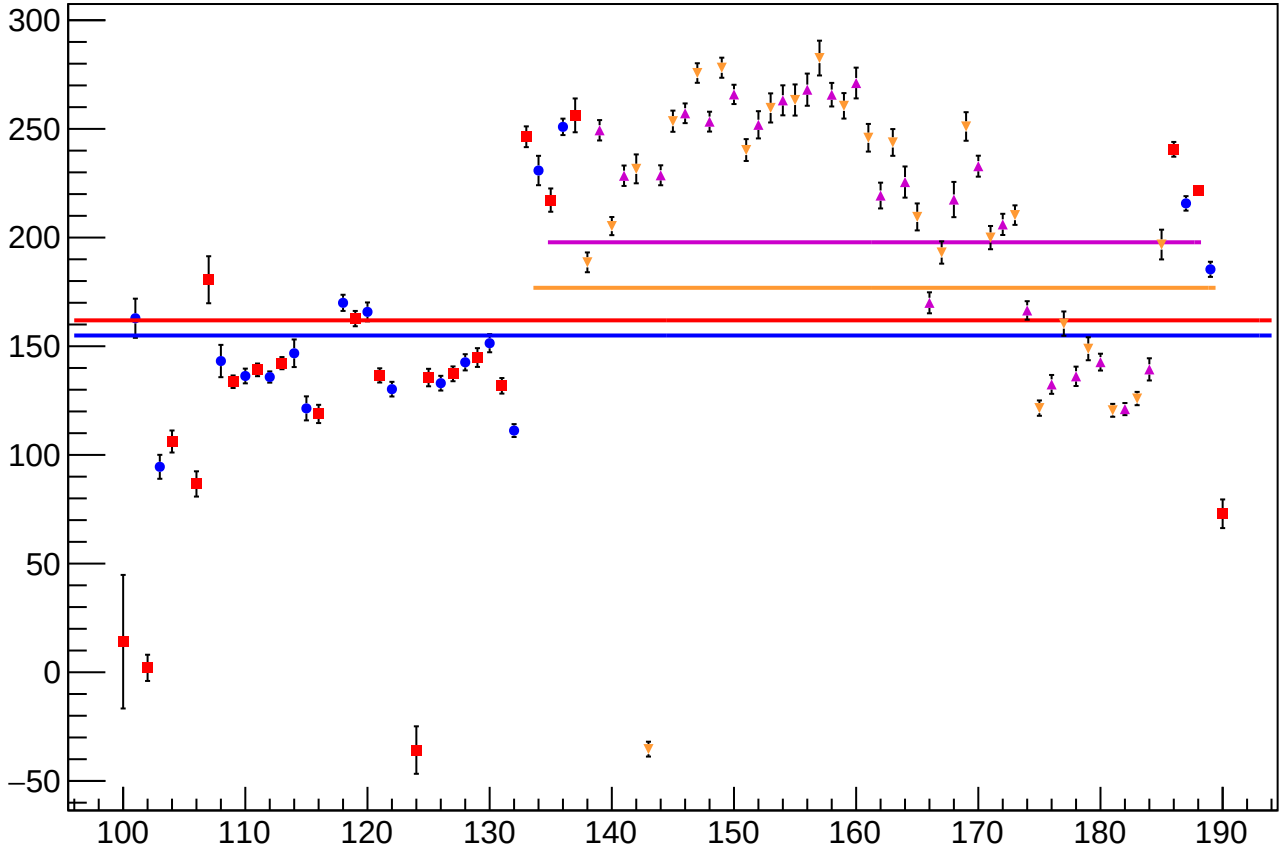
Right: -116.317+/-0.052 χ^2/NDF: 541263.1/39

In: -137.645+/-0.038 χ^2/NDF:355301.8/40

Out: -127.491+/-0.037 χ^2/NDF:1152224.5/46

All: -132.329+/-0.027 χ^2/NDF: 1544086.5/87

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.942+/-0.926 χ^2/NDF: 1775.1/17

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 161.913+/-0.814 χ^2/NDF: 4310.2/21

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

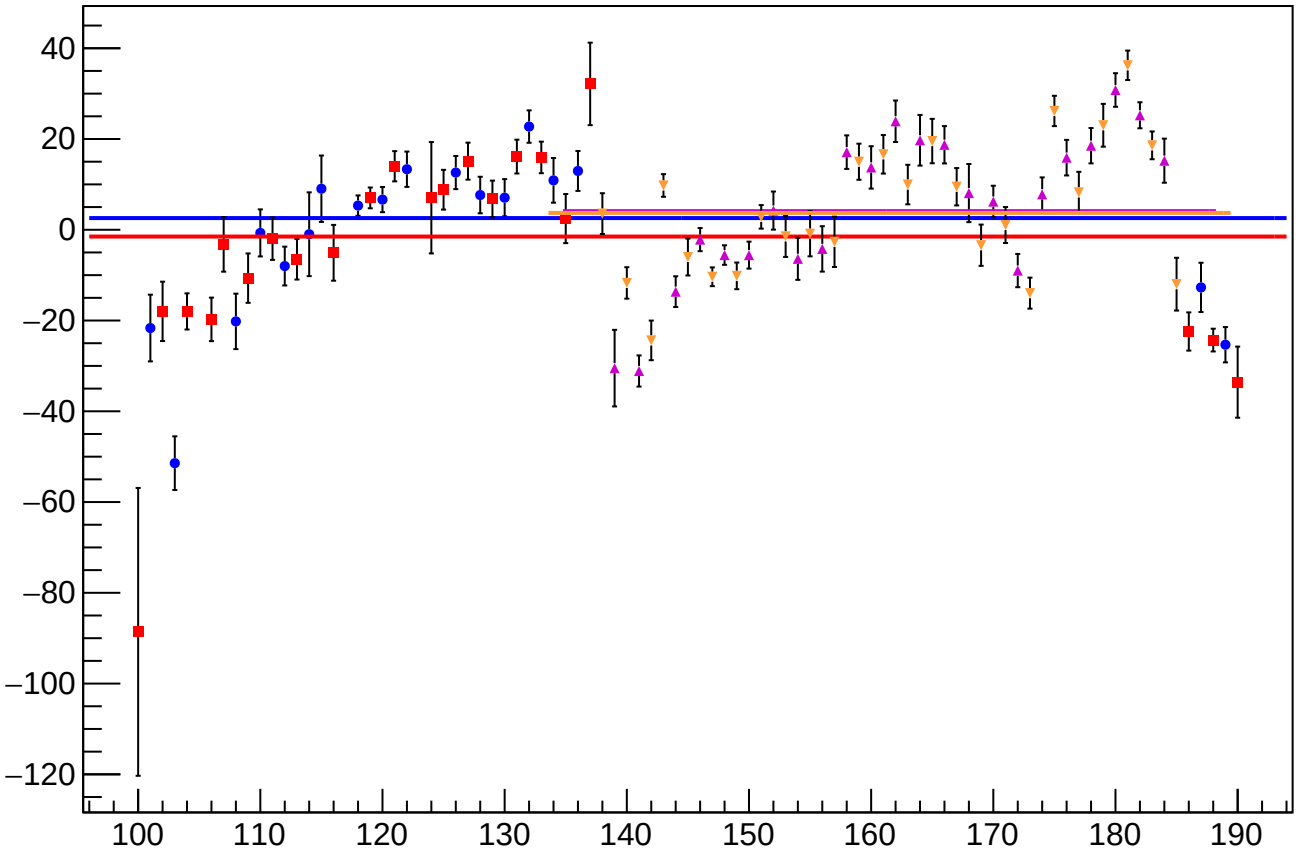
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 158.875+/-0.611 χ^2/NDF: 6117.3/39

In: 174.611+/-0.681 χ^2/NDF:5726.7/40

Out: 168.193+/-0.620 χ^2/NDF:11876.9/46

All: 171.101+/-0.459 χ^2/NDF: 17652.2/87



Right In: 2.576+/-0.971 χ^2/NDF: 237.0/17

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -1.495+/-0.910 χ^2/NDF: 298.5/21

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

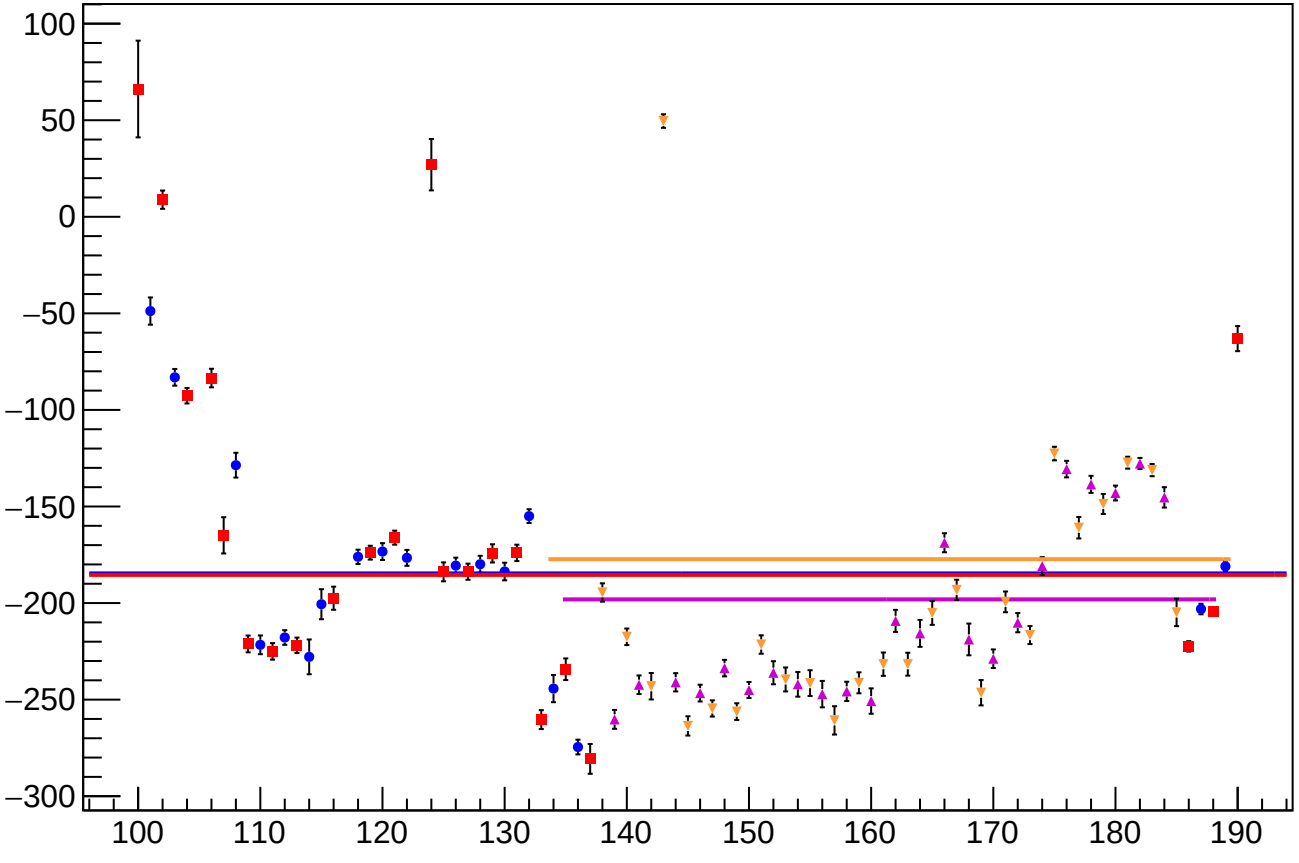
Right: 0.407+/-0.664 χ^2/NDF: 544.9/39

In: 3.515+/-0.603 χ^2/NDF:637.5/40

Out: 1.692+/-0.566 χ^2/NDF:719.5/46

All: 2.546+/-0.413 χ^2/NDF: 1361.9/87

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -184.647+/-0.999 χ^2/NDF: 1922.8/17

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -185.415+/-0.828 χ^2/NDF: 4511.1/21

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

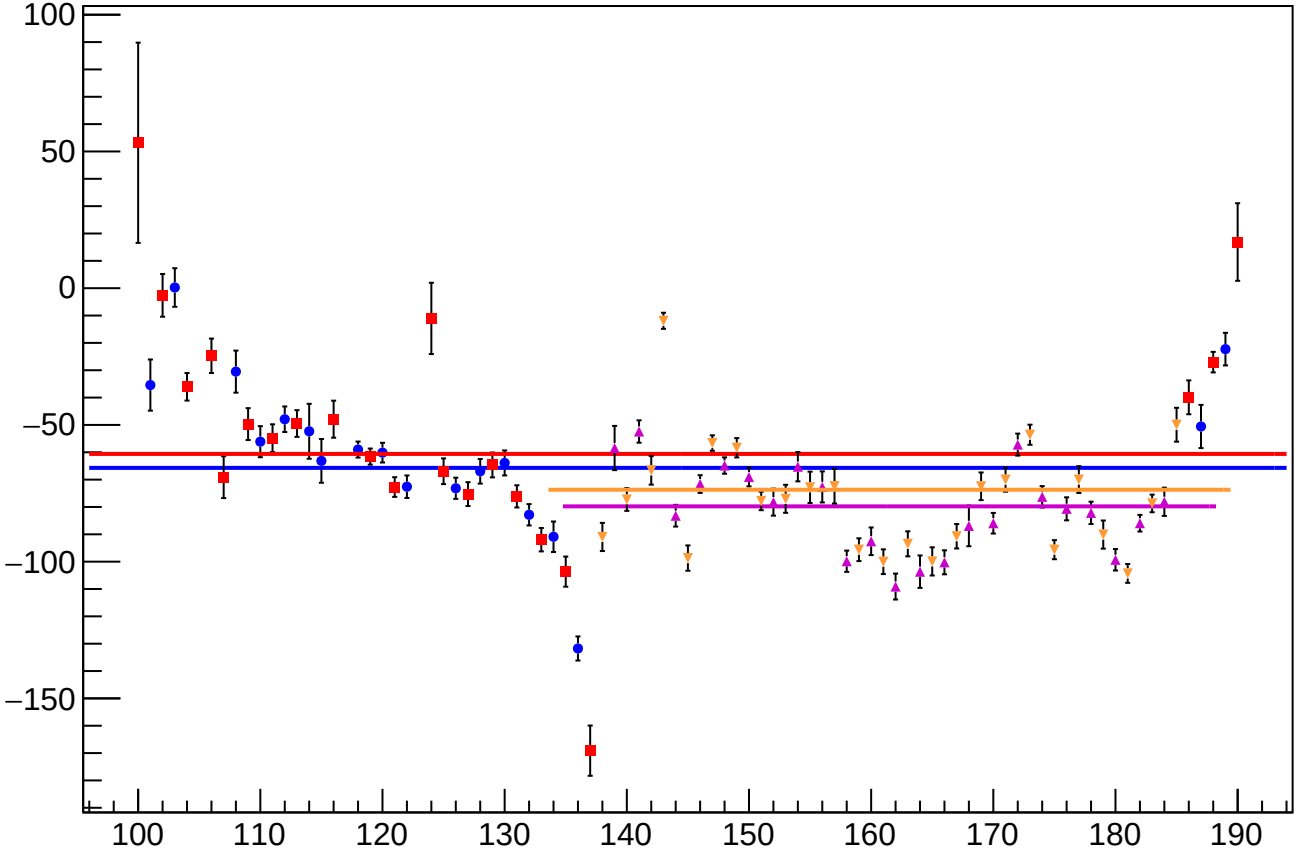
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -185.102+/-0.638 χ^2/NDF: 6434.3/39

In: -191.359+/-0.707 χ^2/NDF:4399.5/40

Out: -181.927+/-0.626 χ^2/NDF:11592.4/46

All: -186.075+/-0.469 χ^2/NDF: 16091.7/87



Right In: -65.702+/-1.146 χ^2/NDF: 473.8/17

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -60.607+/-1.093 χ^2/NDF: 564.8/21

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

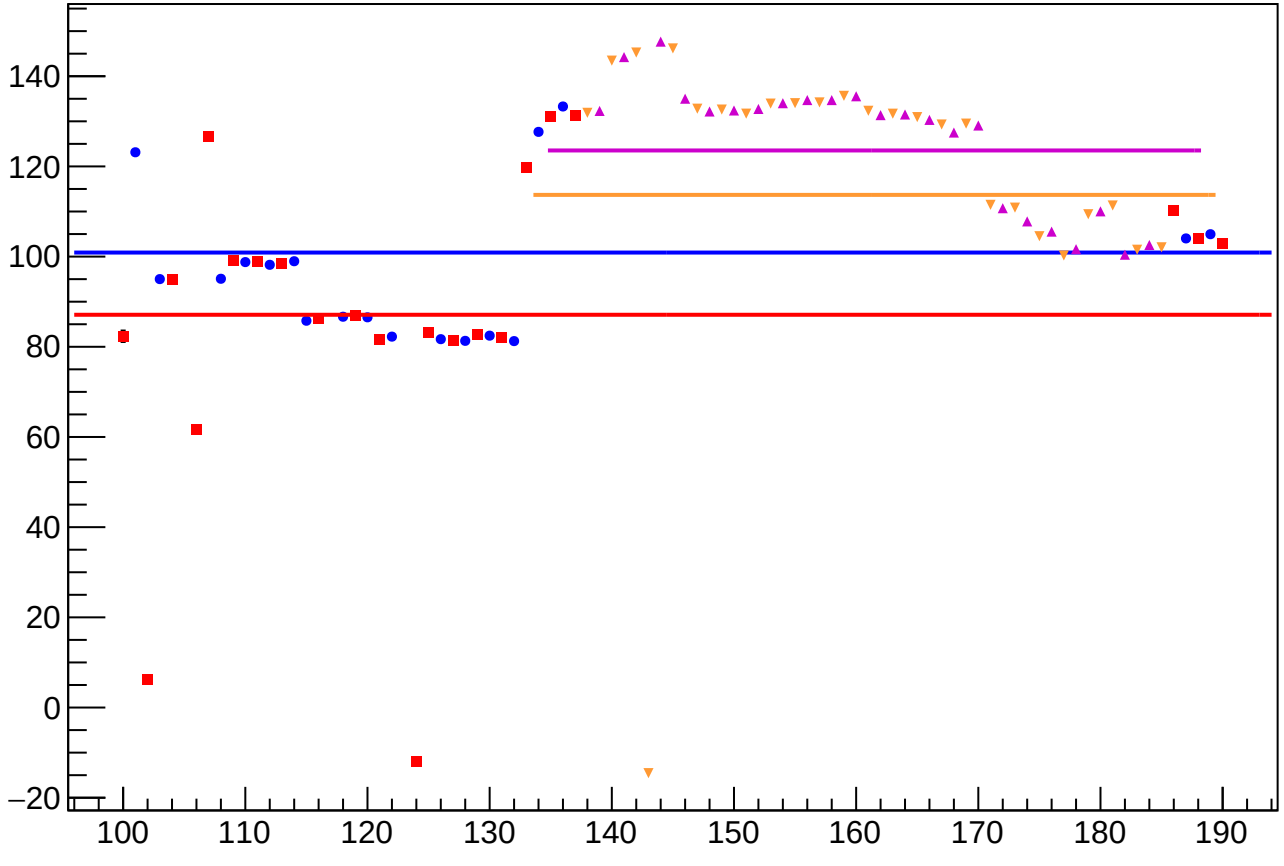
Right: -63.034+/-0.791 χ^2/NDF: 1048.9/39

In: -74.603+/-0.695 χ^2/NDF:846.2/40

Out: -68.925+/-0.660 χ^2/NDF:1495.6/46

All: -71.619+/-0.479 χ^2/NDF: 2376.8/87

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.898+/-0.071 χ^2/NDF: 67759.7/17

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 87.100+/-0.064 χ^2/NDF: 276809.8/21

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

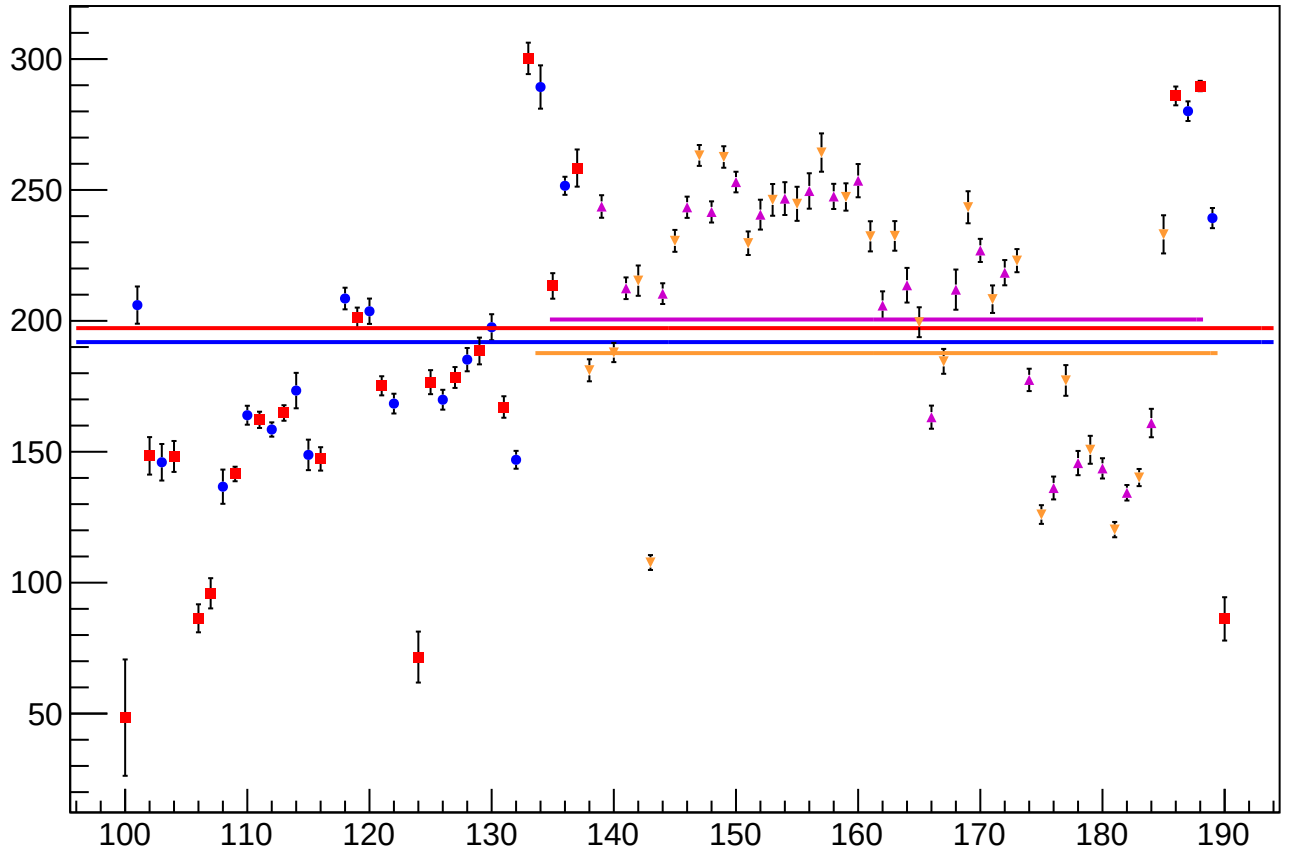
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

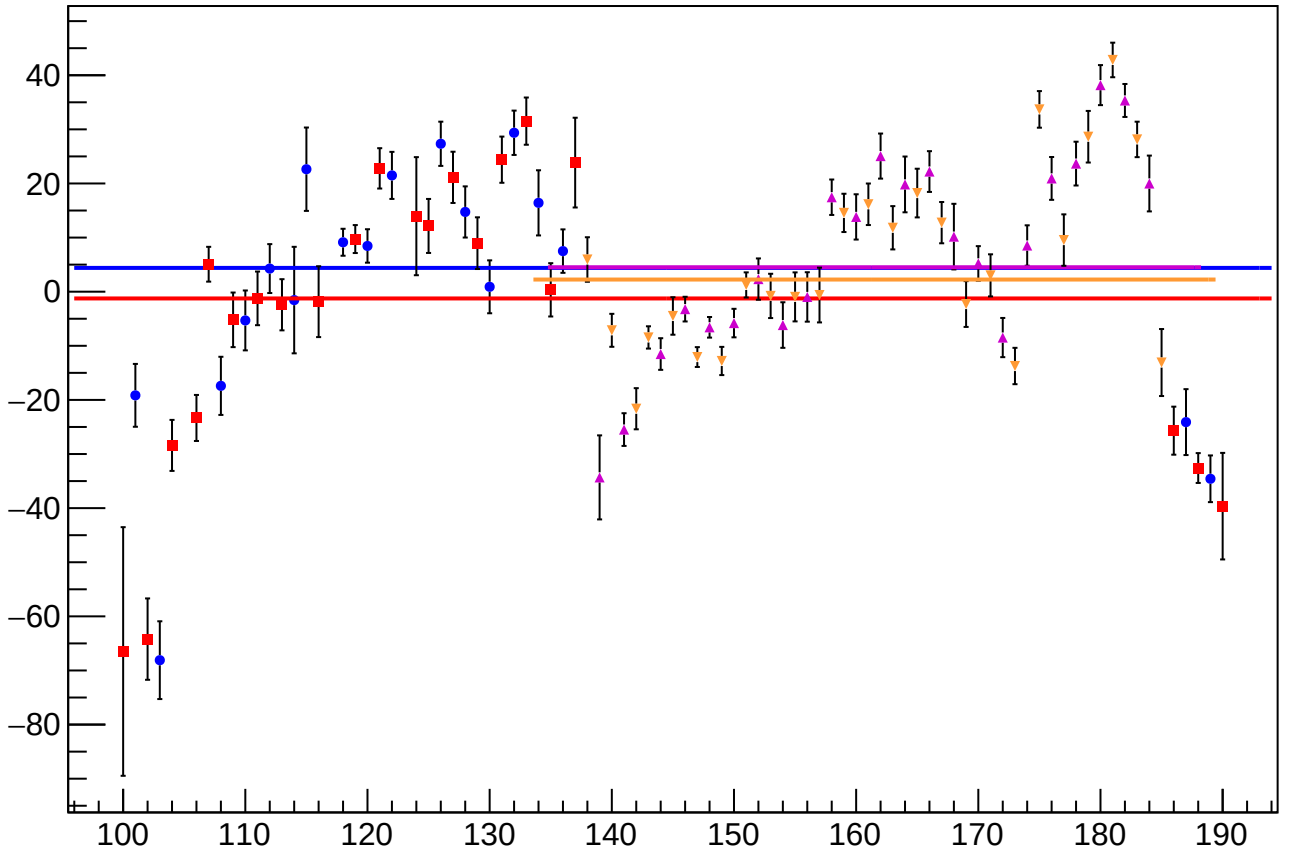
Right: 93.332+/-0.047 χ^2/NDF: 365562.7/39

In: 118.107+/-0.035 χ^2/NDF:280726.0/40

Out: 106.660+/-0.033 χ^2/NDF:1366930.3/46

All: 112.106+/-0.024 χ^2/NDF: 1705232.8/87


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
190
Right In: 191.889+/-1.010 χ²/NDF: 1805.5/17
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 197.223+/-0.875 χ²/NDF: 5332.3/21
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 194.937+/-0.661 χ²/NDF: 7153.7/39
In: 196.445+/-0.694 χ²/NDF:3955.5/40
Out: 192.576+/-0.626 χ²/NDF:8918.6/46
All: 194.313+/-0.465 χ²/NDF: 12891.2/87



Right In: 4.396+/-1.061 χ^2/NDF: 346.5/17

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -1.250+/-0.963 χ^2/NDF: 515.0/21

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

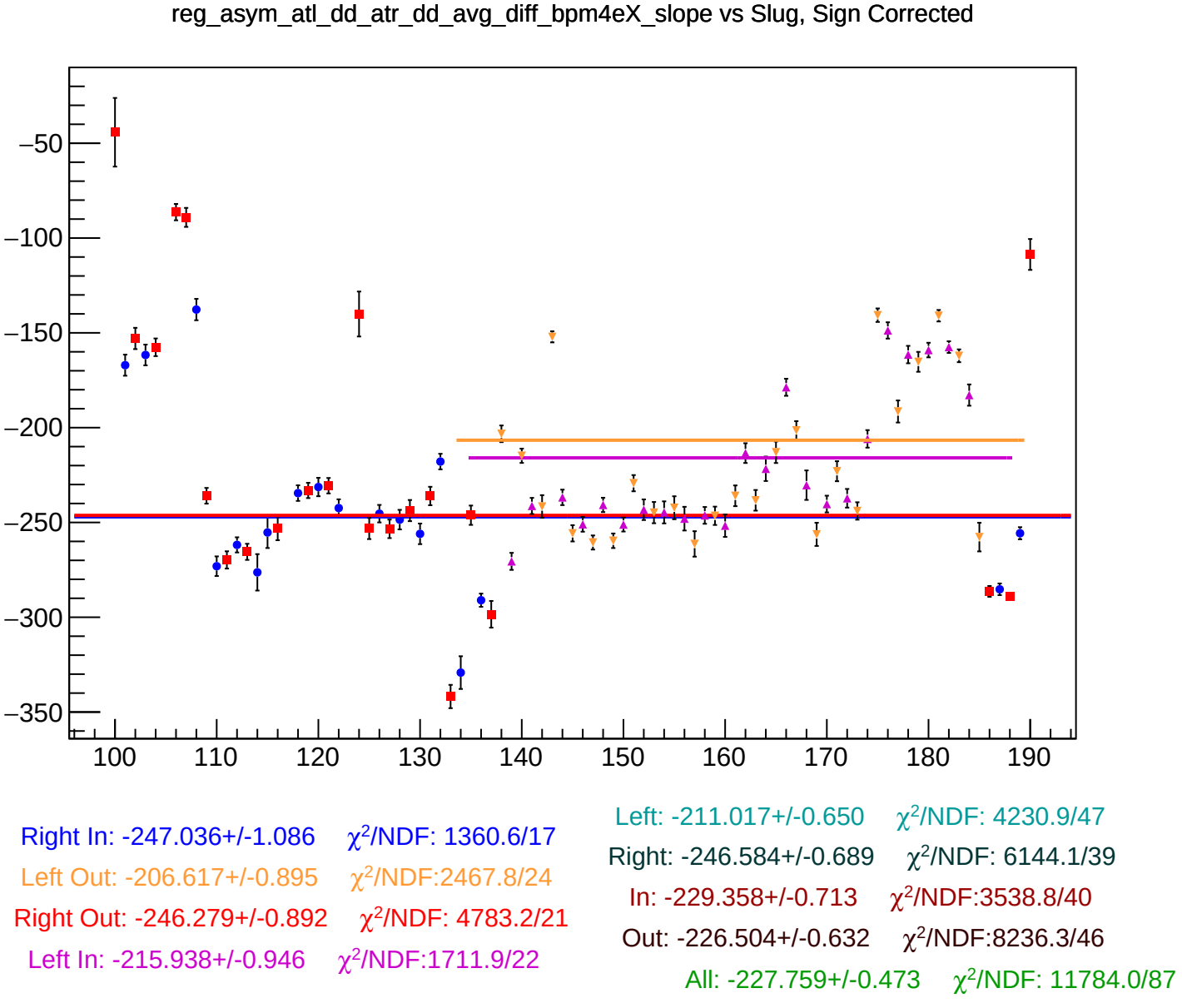
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 1.298+/-0.713 χ^2/NDF: 877.0/39

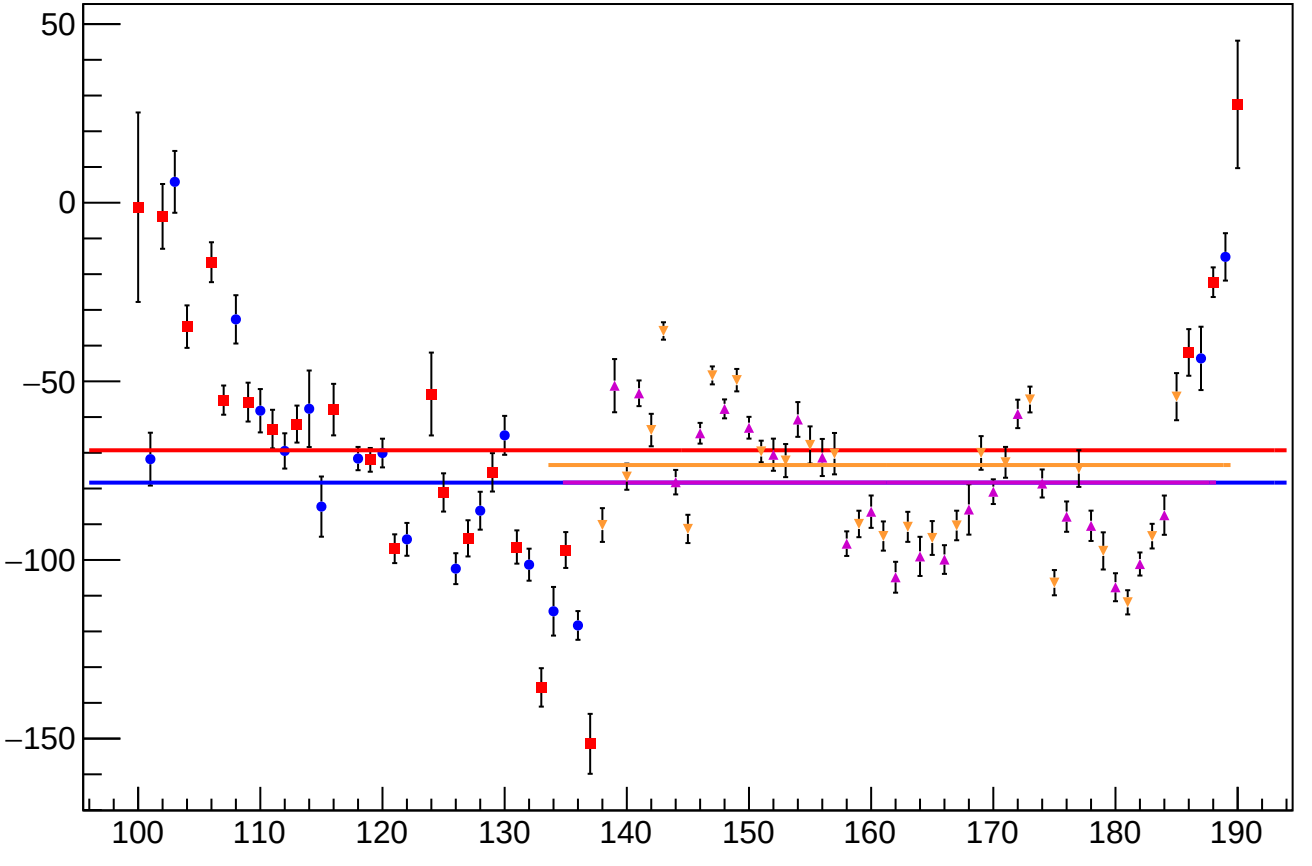
In: 4.476+/-0.593 χ^2/NDF:893.6/40

Out: 1.117+/-0.547 χ^2/NDF:1124.7/46

All: 2.663+/-0.402 χ^2/NDF: 2035.7/87


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
190
Right In: -247.036+/-1.086 χ²/NDF: 1360.6/17
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -246.279+/-0.892 χ²/NDF: 4783.2/21
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -246.584+/-0.689 χ²/NDF: 6144.1/39
In: -229.358+/-0.713 χ²/NDF:3538.8/40
Out: -226.504+/-0.632 χ²/NDF:8236.3/46
All: -227.759+/-0.473 χ²/NDF: 11784.0/87

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.297+/-1.158 χ^2/NDF: 772.6/21

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

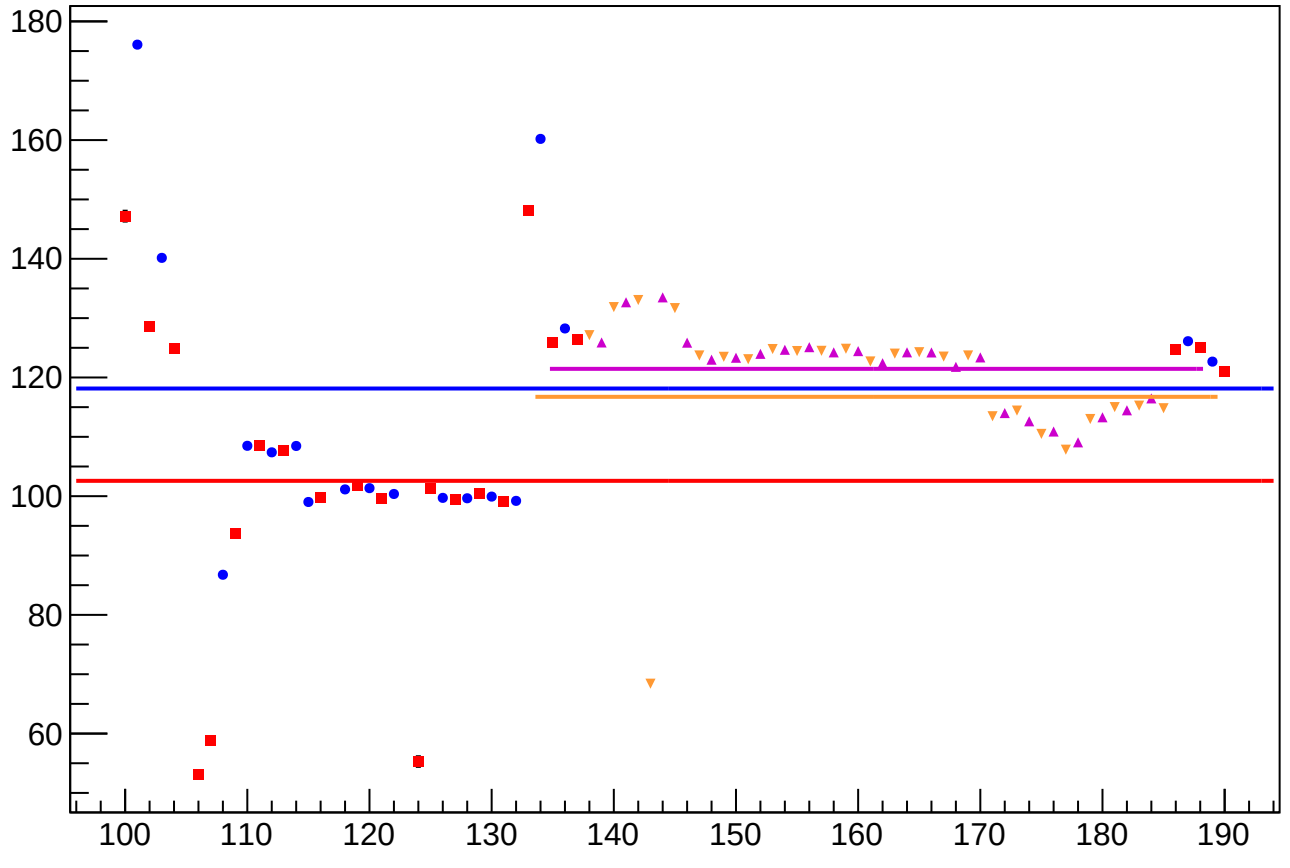
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -73.477+/-0.850 χ^2/NDF: 1279.2/39

In: -78.336+/-0.684 χ^2/NDF:921.7/40

Out: -72.168+/-0.639 χ^2/NDF:1618.0/46

All: -75.044+/-0.467 χ^2/NDF: 2583.0/87



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.585+/-0.066 χ^2/NDF: 181306.8/21

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

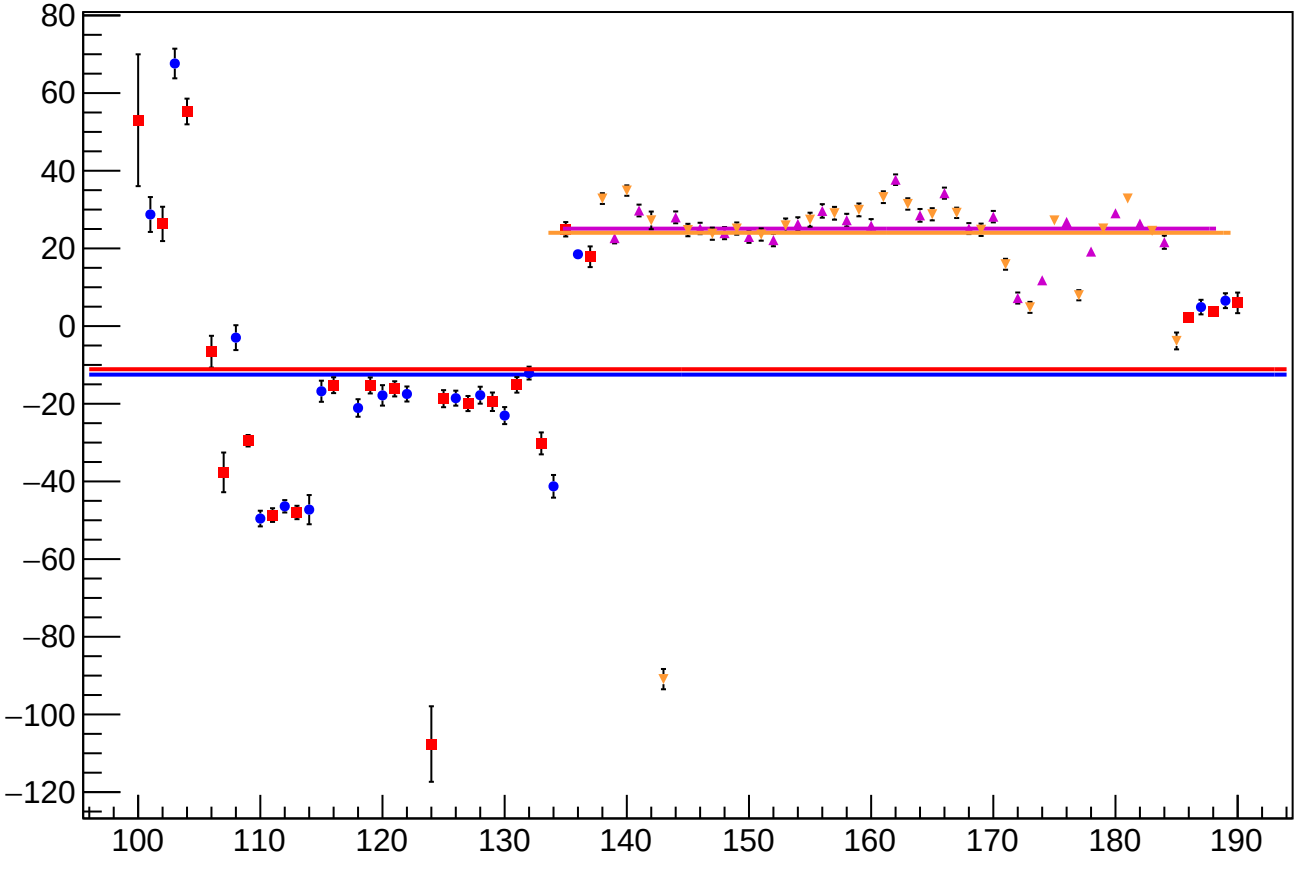
Right: 109.360+/-0.050 χ^2/NDF: 301425.8/39

In: 120.800+/-0.033 χ^2/NDF:126257.0/40

Out: 113.517+/-0.031 χ^2/NDF:420522.4/46

All: 116.945+/-0.023 χ^2/NDF: 571974.2/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -12.496+/-0.500 χ^2/NDF: 2338.6/17

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -11.106+/-0.437 χ^2/NDF: 2635.0/21

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

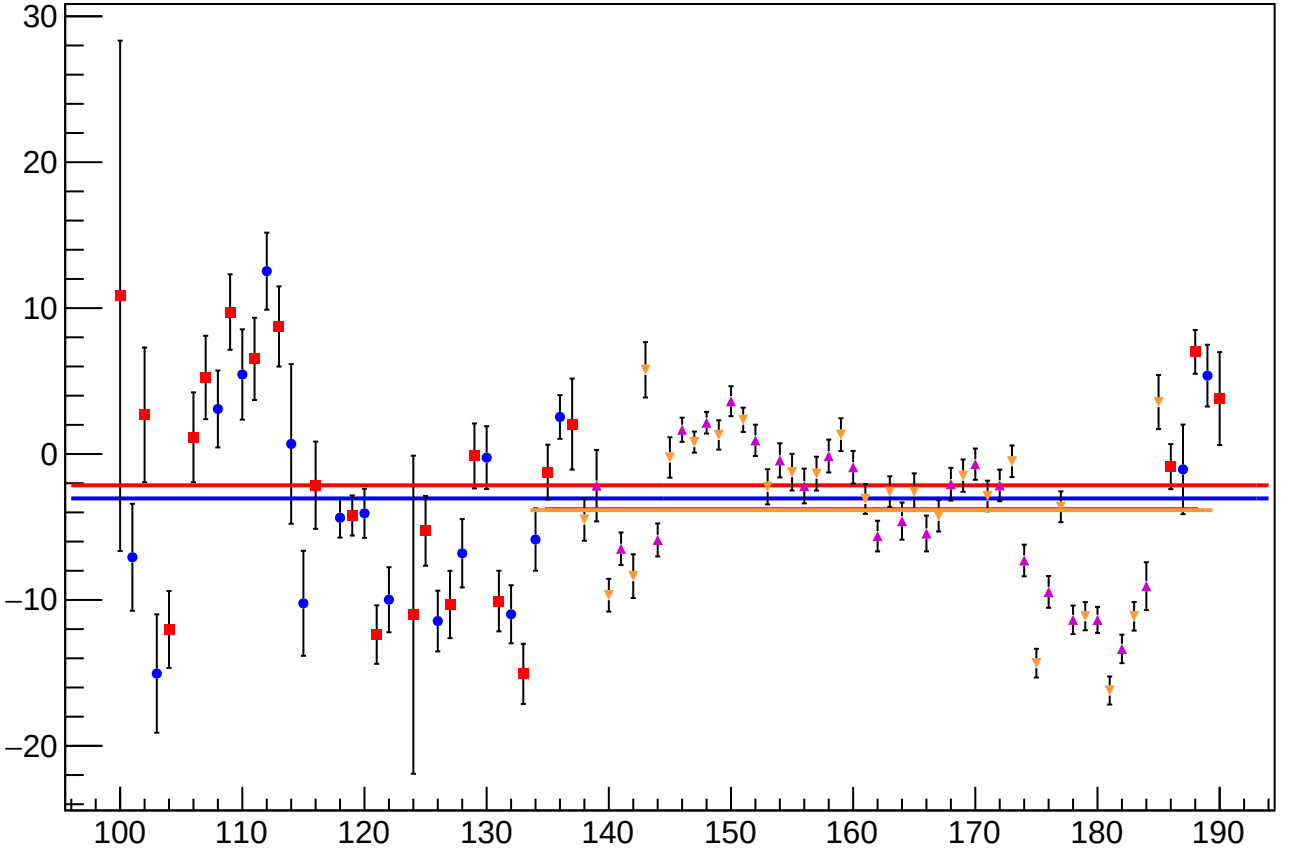
Right: -11.708+/-0.329 χ^2/NDF: 4978.0/39

In: 15.768+/-0.249 χ^2/NDF:7080.9/40

Out: 13.697+/-0.237 χ^2/NDF:9999.1/46

All: 14.681+/-0.172 χ^2/NDF: 17116.3/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.043+/-0.526 χ^2/NDF: 141.5/17

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.144+/-0.493 χ^2/NDF: 211.0/21

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

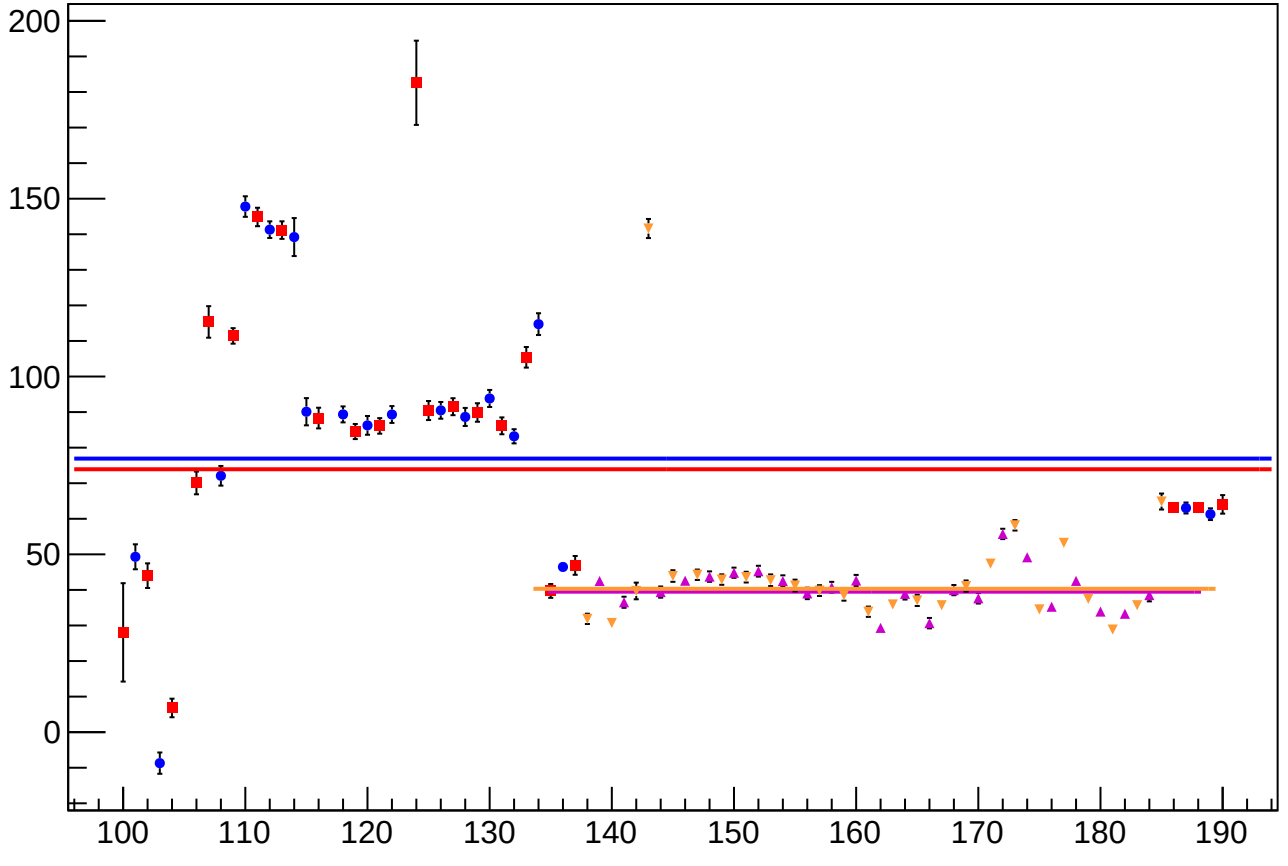
Right: -2.565+/-0.360 χ^2/NDF: 354.1/39

In: -3.667+/-0.206 χ^2/NDF:653.0/40

Out: -3.568+/-0.199 χ^2/NDF:870.3/46

All: -3.616+/-0.143 χ^2/NDF: 1523.4/87

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 73.926+/-0.441 χ^2/NDF: 3761.4/21

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

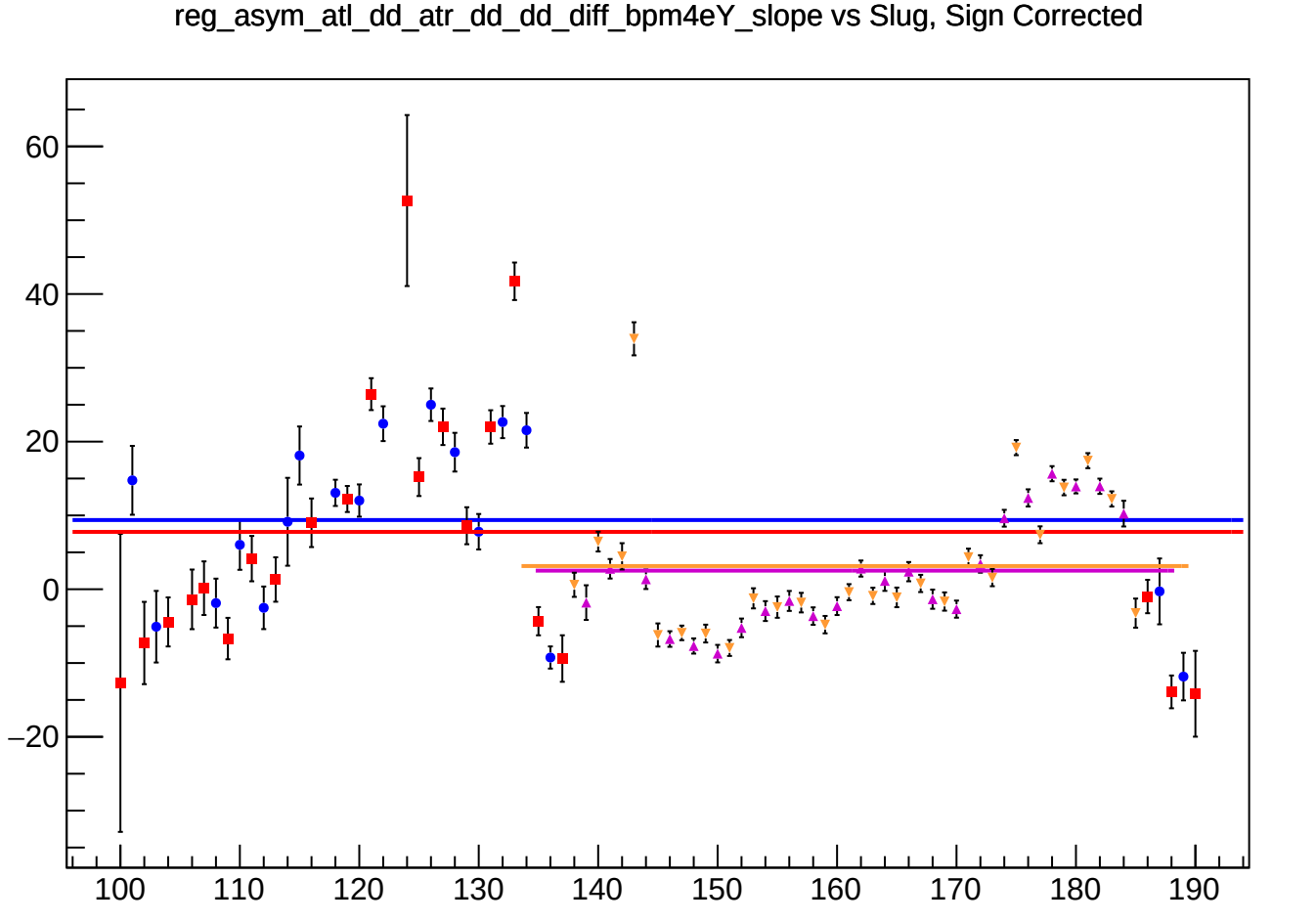
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

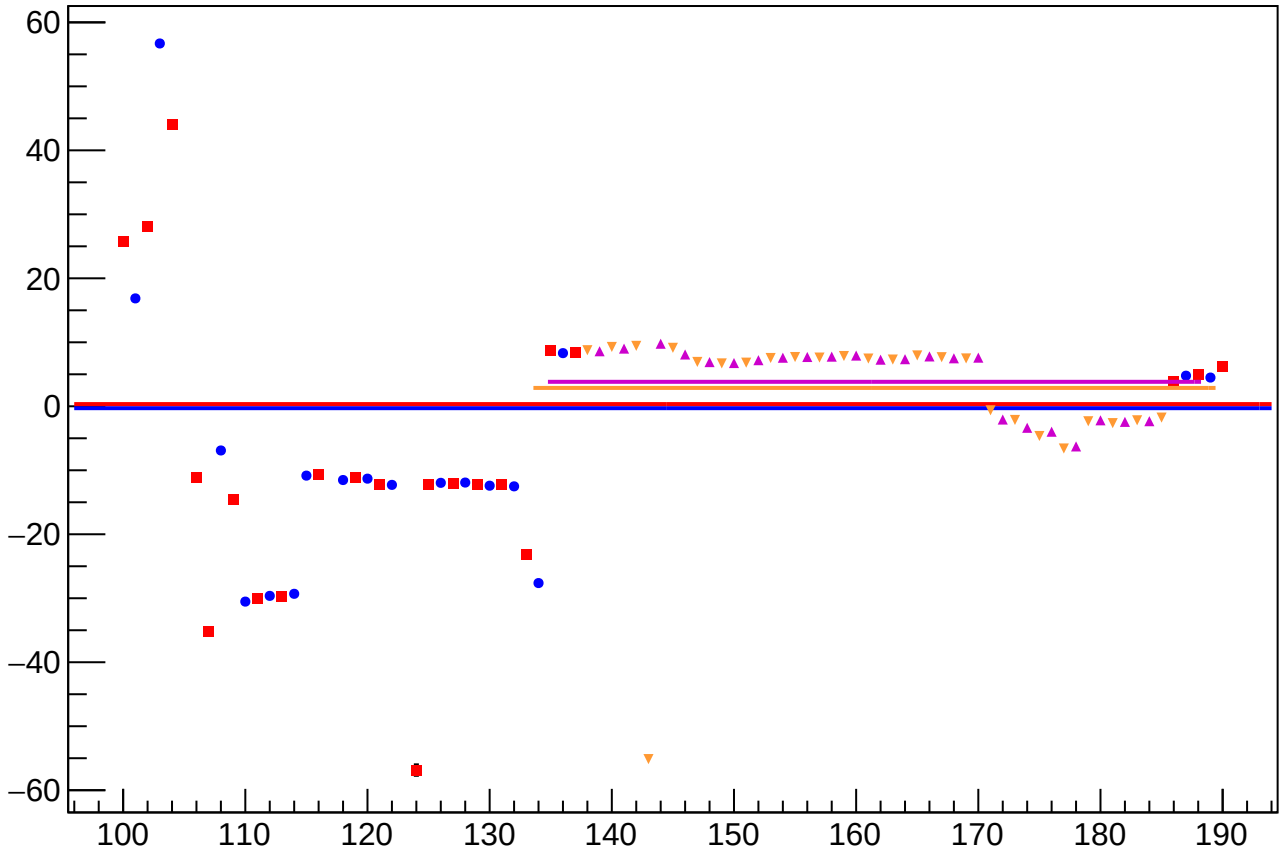
Right: 75.141+/-0.340 χ^2/NDF: 7231.7/39

In: 47.780+/-0.251 χ^2/NDF:7703.9/40

Out: 49.978+/-0.236 χ^2/NDF:10082.3/46

All: 48.946+/-0.172 χ^2/NDF: 17826.8/87


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 9.376+/-0.609 χ²/NDF: 410.2/17
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 7.771+/-0.591 χ²/NDF: 613.9/21
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
Left: 2.837+/-0.175 χ²/NDF: 2238.3/47
Right: 8.548+/-0.424 χ²/NDF: 1027.7/39
In: 3.514+/-0.232 χ²/NDF:1486.7/40
Out: 3.824+/-0.227 χ²/NDF:1933.3/46
All: 3.672+/-0.162 χ²/NDF: 3420.9/87



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.344+/-0.034 χ^2/NDF: 320379.2/21

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

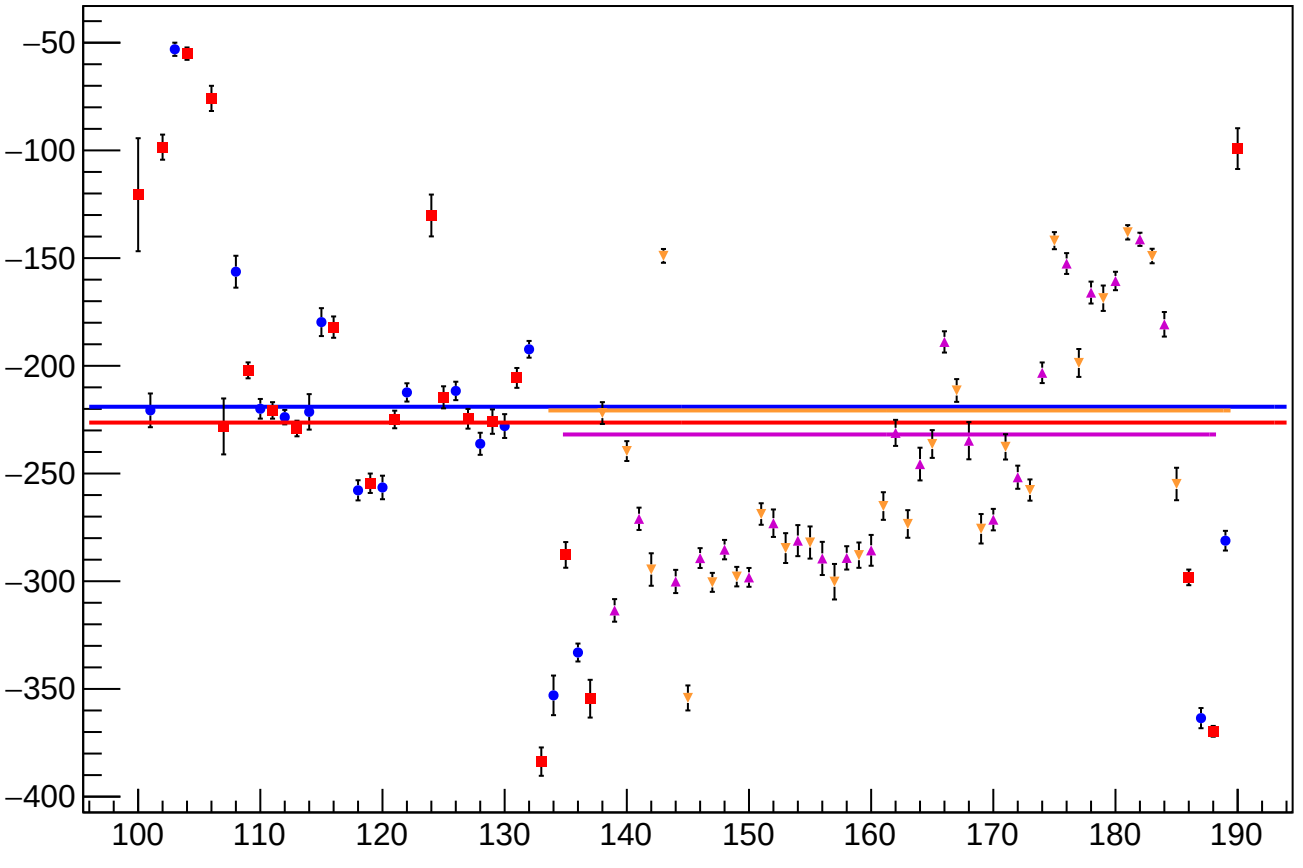
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 0.028+/-0.024 χ^2/NDF: 690401.8/39

In: 3.435+/-0.011 χ^2/NDF:616118.0/40

Out: 2.630+/-0.010 χ^2/NDF:837732.6/46

All: 3.028+/-0.007 χ^2/NDF: 1456784.3/87



Right In: -219.002+/-1.114 χ^2/NDF: 5321.9/17

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -226.350+/-0.980 χ^2/NDF: 9749.8/21

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

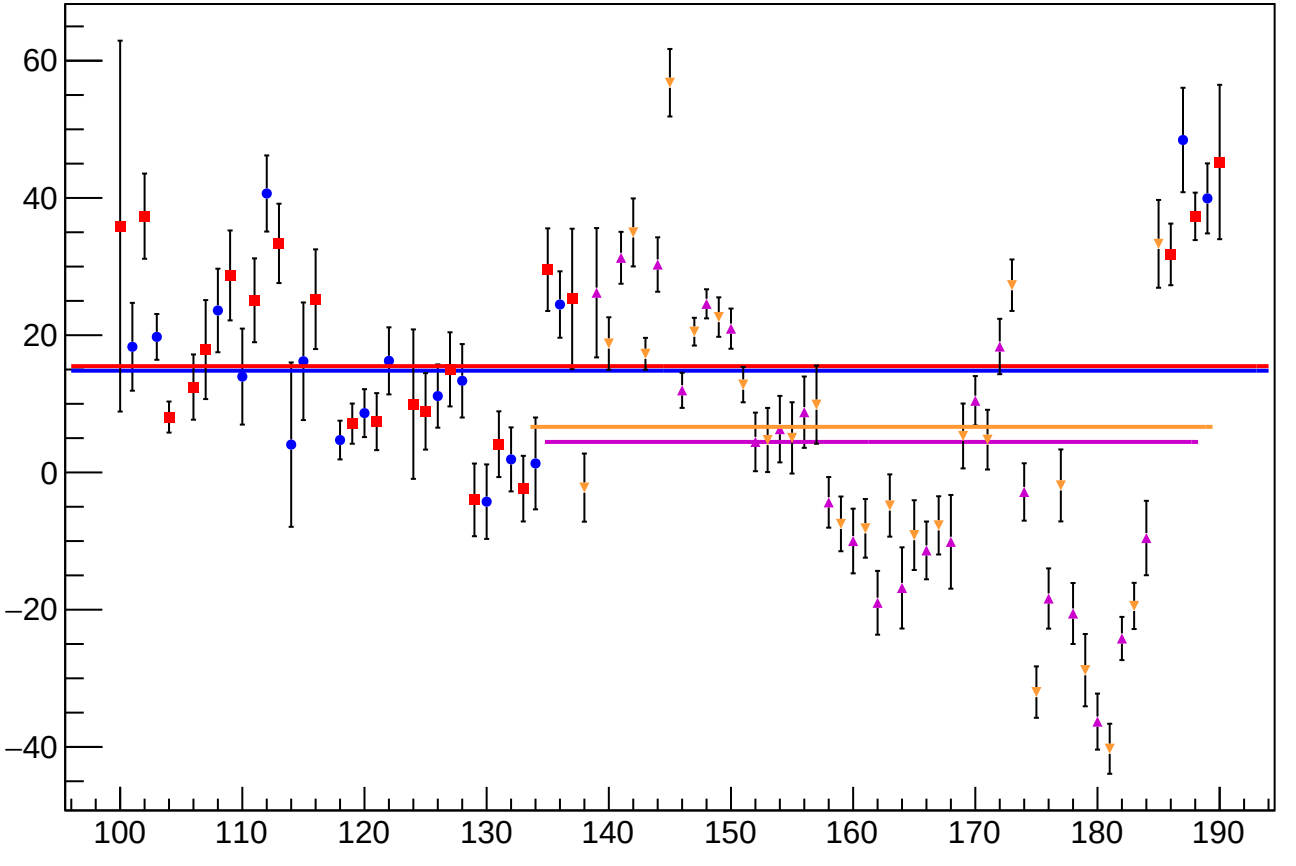
Right: -223.144+/-0.736 χ^2/NDF: 15096.3/39

In: -225.654+/-0.774 χ^2/NDF:8551.3/40

Out: -223.643+/-0.706 χ^2/NDF:13817.9/46

All: -224.556+/-0.522 χ^2/NDF: 22372.8/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.828+/-1.157 χ^2/NDF: 115.7/17

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 15.490+/-1.034 χ^2/NDF: 155.3/21

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

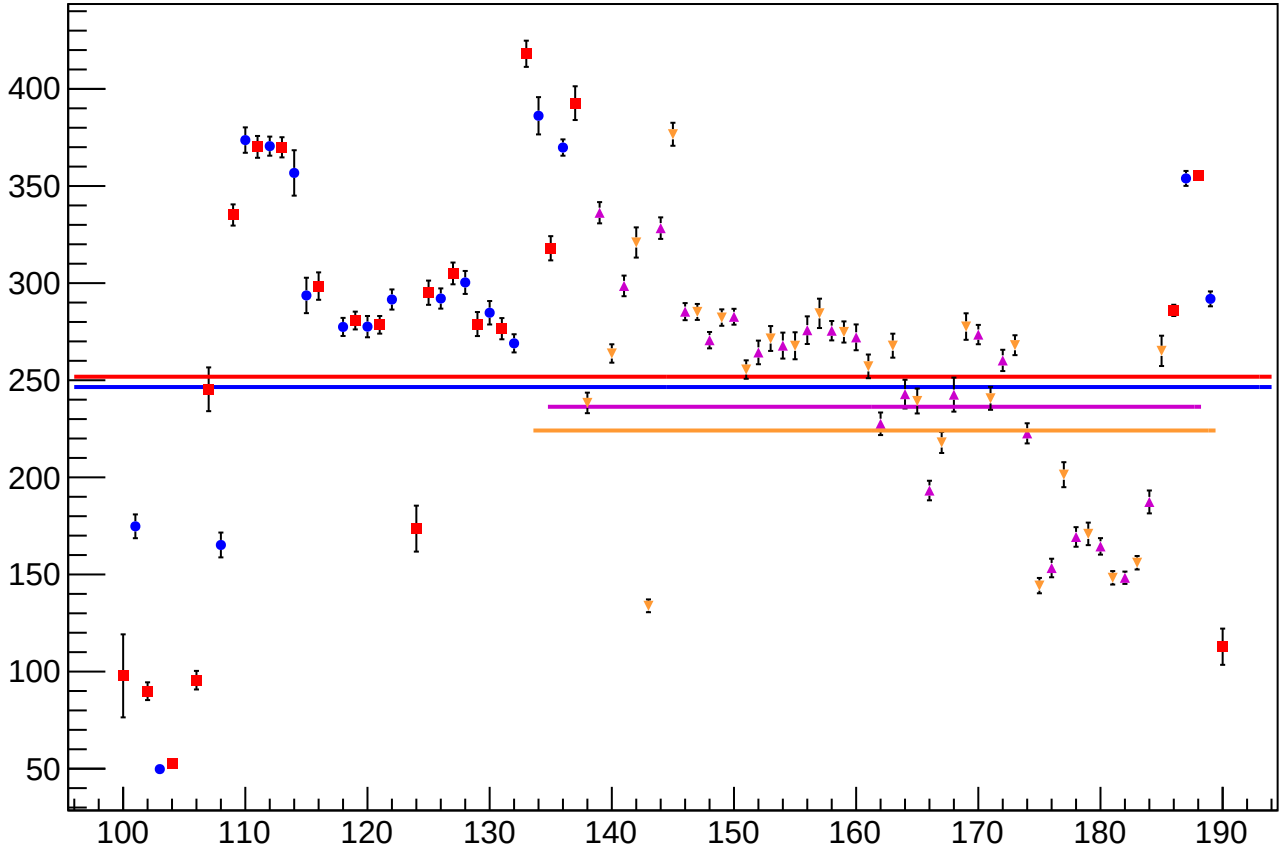
Right: 15.196+/-0.771 χ^2/NDF: 271.2/39

In: 7.844+/-0.662 χ^2/NDF:736.9/40

Out: 9.708+/-0.608 χ^2/NDF:938.2/46

All: 8.855+/-0.448 χ^2/NDF: 1679.4/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 246.501+/-1.143 χ^2/NDF: 10464.7/17

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 251.814+/-0.963 χ^2/NDF: 15626.2/21

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

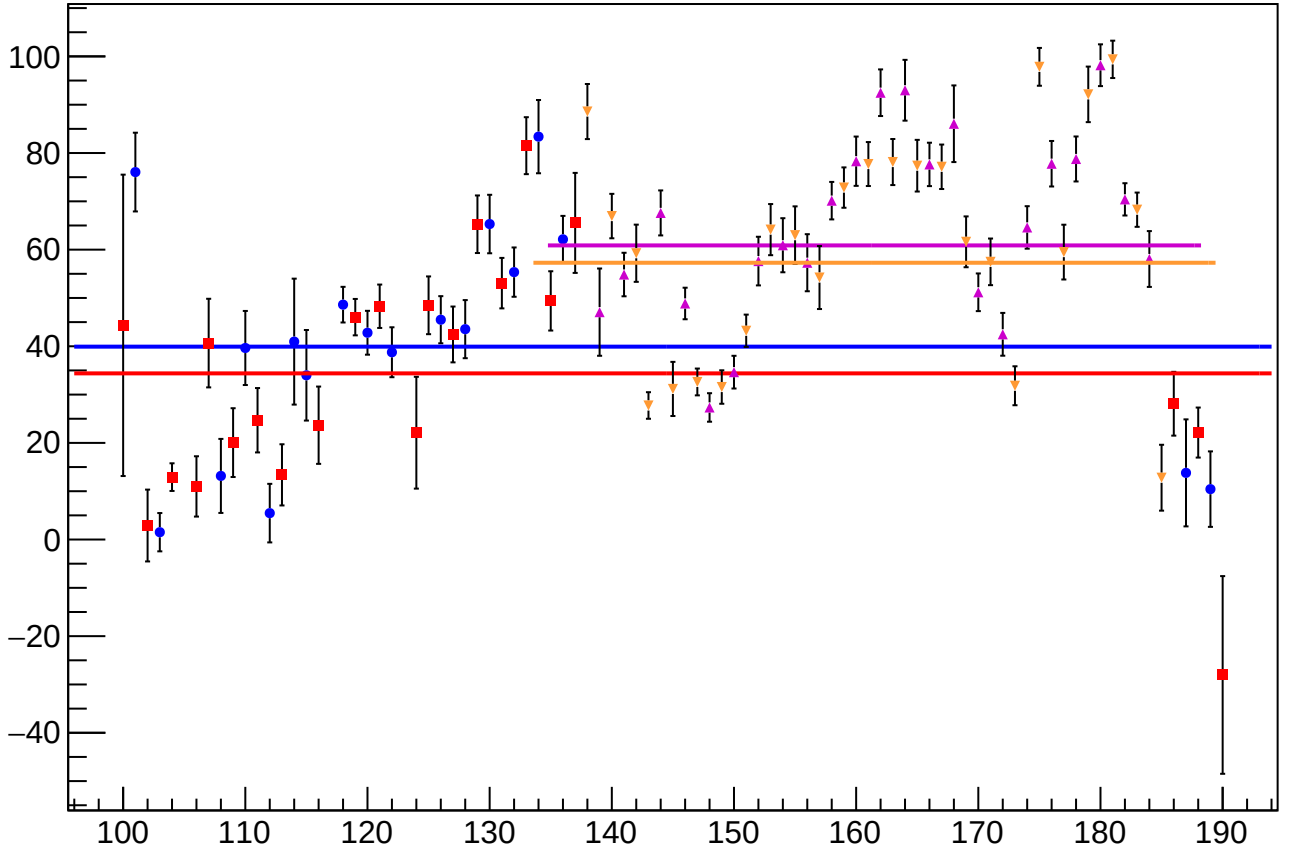
Right: 249.608+/-0.736 χ^2/NDF: 26103.6/39

In: 241.071+/-0.780 χ^2/NDF:13499.9/40

Out: 238.679+/-0.698 χ^2/NDF:19985.2/46

All: 239.744+/-0.520 χ^2/NDF: 33490.3/87

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.922+/-1.365 χ^2/NDF: 266.5/17

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 34.391+/-1.251 χ^2/NDF: 270.0/21

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

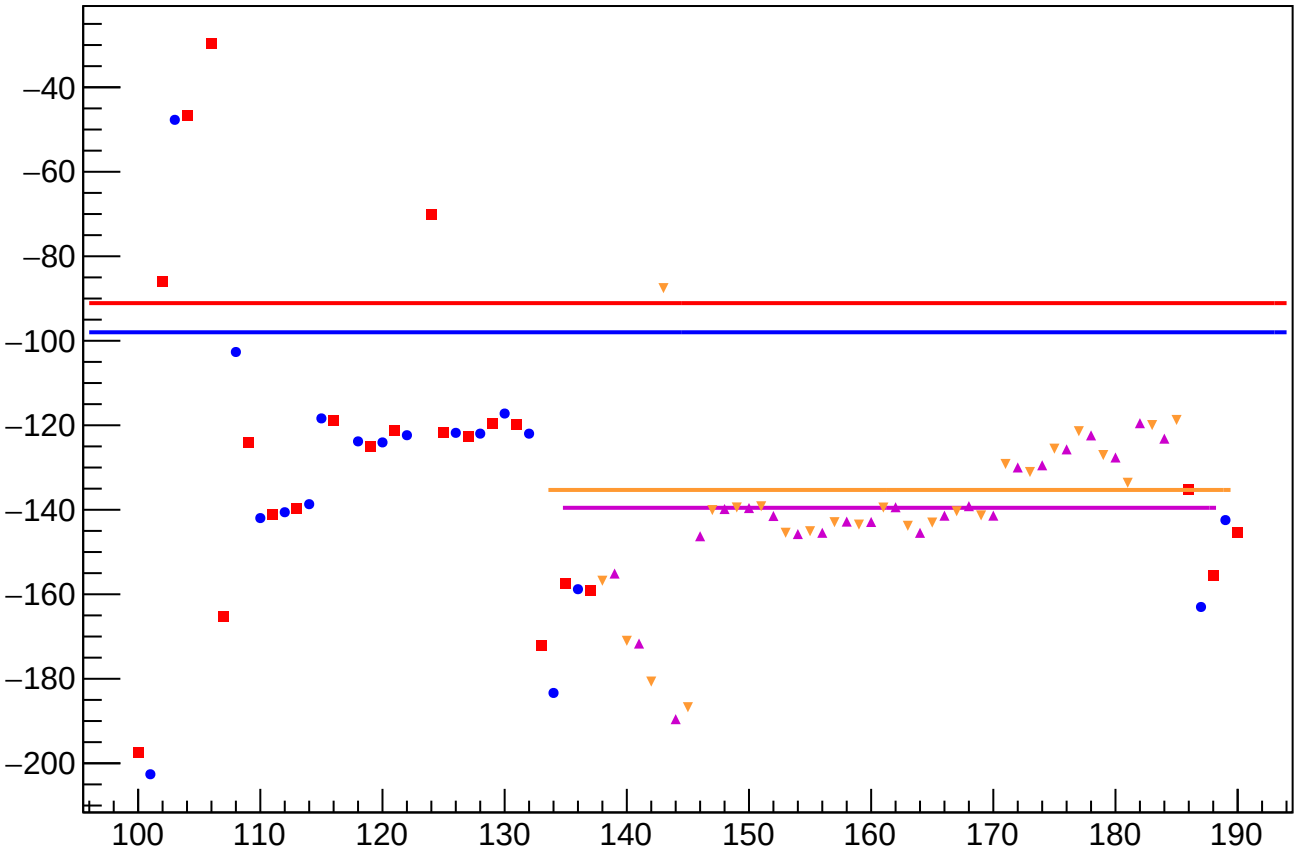
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 36.915+/-0.922 χ^2/NDF: 545.4/39

In: 54.307+/-0.764 χ^2/NDF:883.0/40

Out: 49.846+/-0.713 χ^2/NDF:1264.0/46

All: 51.922+/-0.521 χ^2/NDF: 2165.2/87



Right In: -97.988+/-0.068 χ^2/NDF: 548000.7/17

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -91.089+/-0.064 χ^2/NDF: 561021.3/21

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

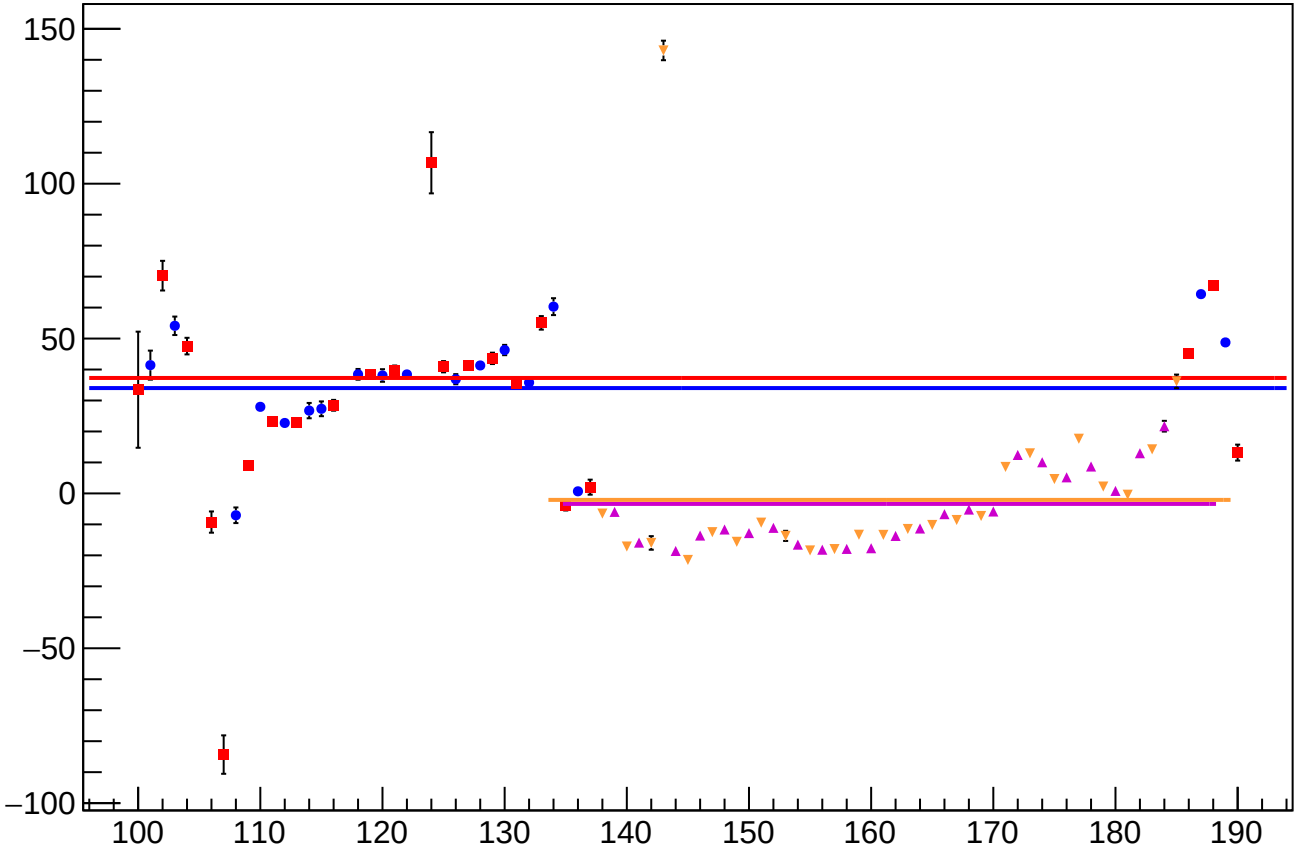
Right: -94.347+/-0.047 χ^2/NDF: 1114494.6/39

In: -127.956+/-0.036 χ^2/NDF:933715.3/40

Out: -122.653+/-0.034 χ^2/NDF:1163699.4/46

All: -125.192+/-0.025 χ^2/NDF: 2108874.9/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.276+/-0.328 χ^2/NDF: 4380.6/21

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

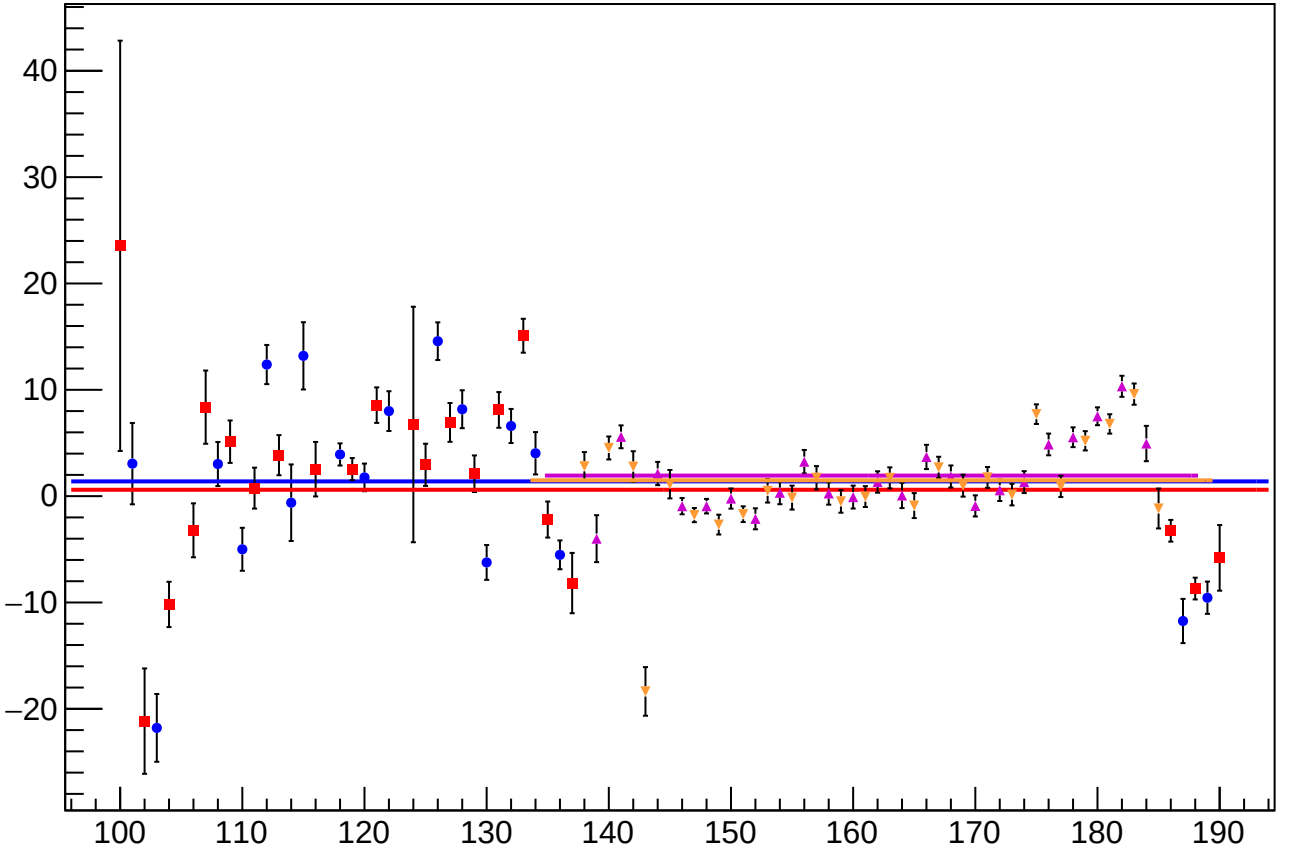
Right: 35.906+/-0.250 χ^2/NDF: 6573.3/39

In: 8.974+/-0.222 χ^2/NDF:10187.9/40

Out: 13.559+/-0.207 χ^2/NDF:17239.2/46

All: 11.426+/-0.151 χ^2/NDF: 27655.3/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.388+/-0.416 χ^2/NDF: 353.7/17

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.601+/-0.381 χ^2/NDF: 318.9/21

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

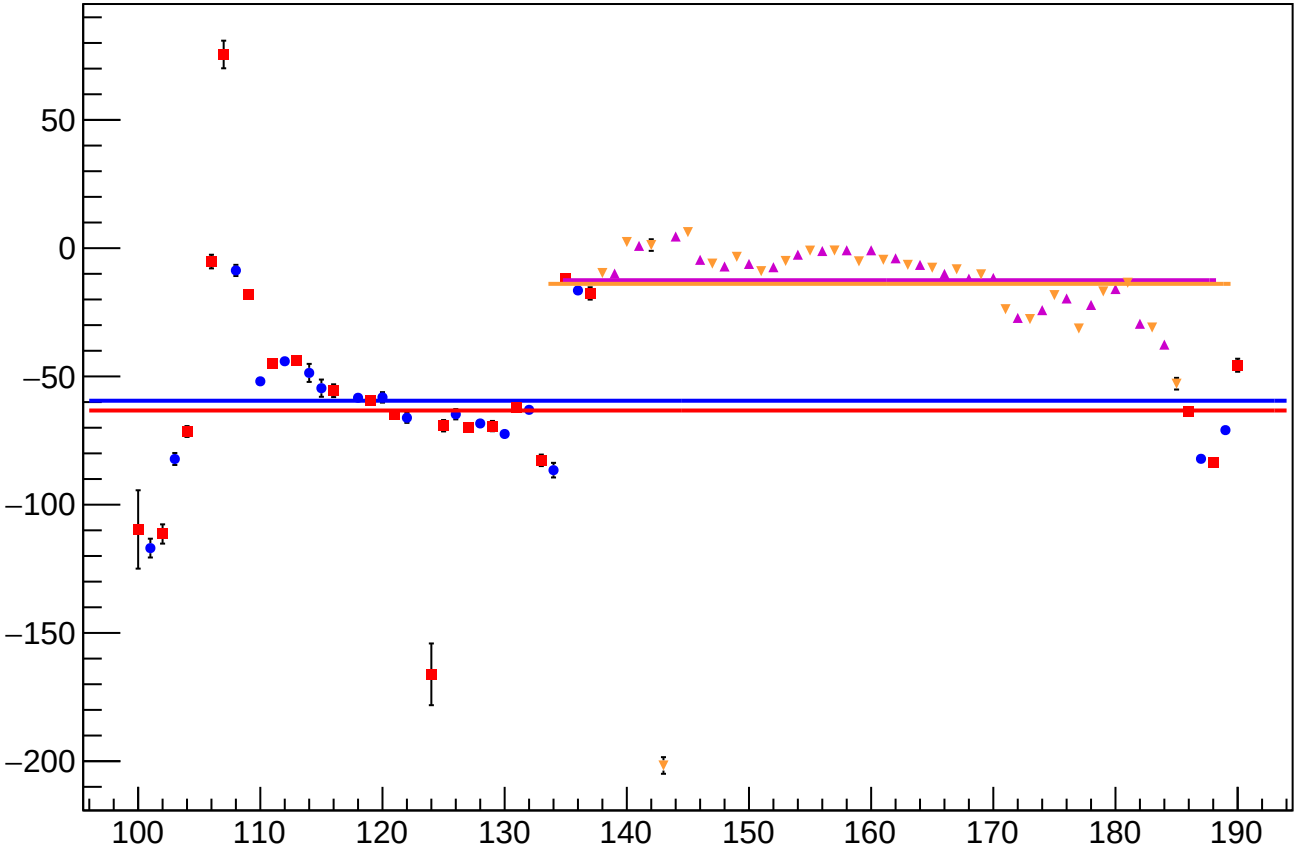
Right: 0.960+/-0.281 χ^2/NDF: 674.5/39

In: 1.822+/-0.188 χ^2/NDF:595.7/40

Out: 1.290+/-0.180 χ^2/NDF:651.6/46

All: 1.545+/-0.130 χ^2/NDF: 1251.6/87

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.286+/-0.327 χ^2/NDF: 4972.1/21

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

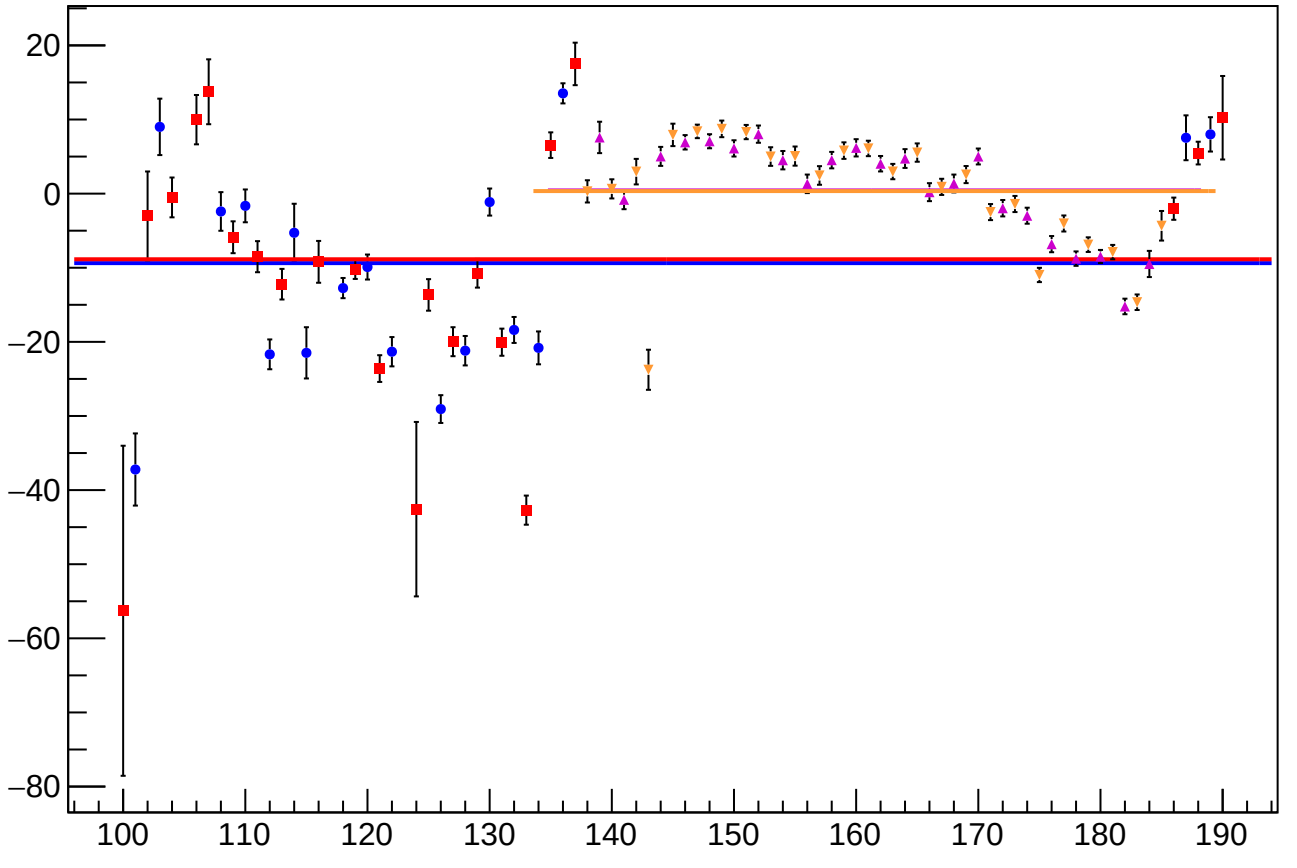
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -61.815+/-0.256 χ^2/NDF: 8128.4/39

In: -26.507+/-0.225 χ^2/NDF:13652.6/40

Out: -33.477+/-0.206 χ^2/NDF:23890.5/46

All: -30.306+/-0.152 χ^2/NDF: 38065.7/87



Right In: -9.376+/-0.487 χ^2/NDF: 760.4/17

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.856+/-0.463 χ^2/NDF: 810.6/21

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

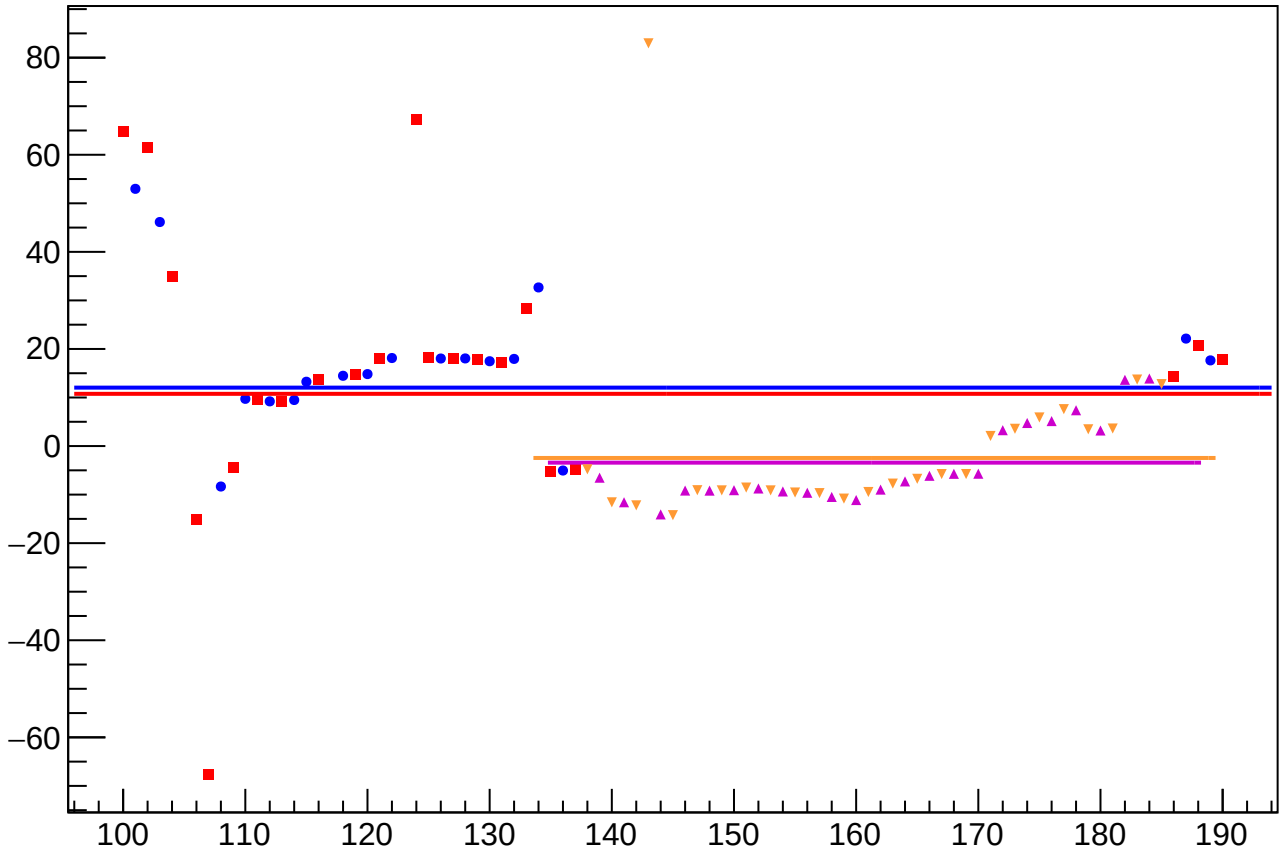
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -9.103+/-0.336 χ^2/NDF: 1571.6/39

In: -1.438+/-0.213 χ^2/NDF:1870.3/40

Out: -1.491+/-0.207 χ^2/NDF:2048.1/46

All: -1.465+/-0.148 χ^2/NDF: 3918.5/87



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 10.757+/-0.028 χ^2/NDF: 458693.9/21

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

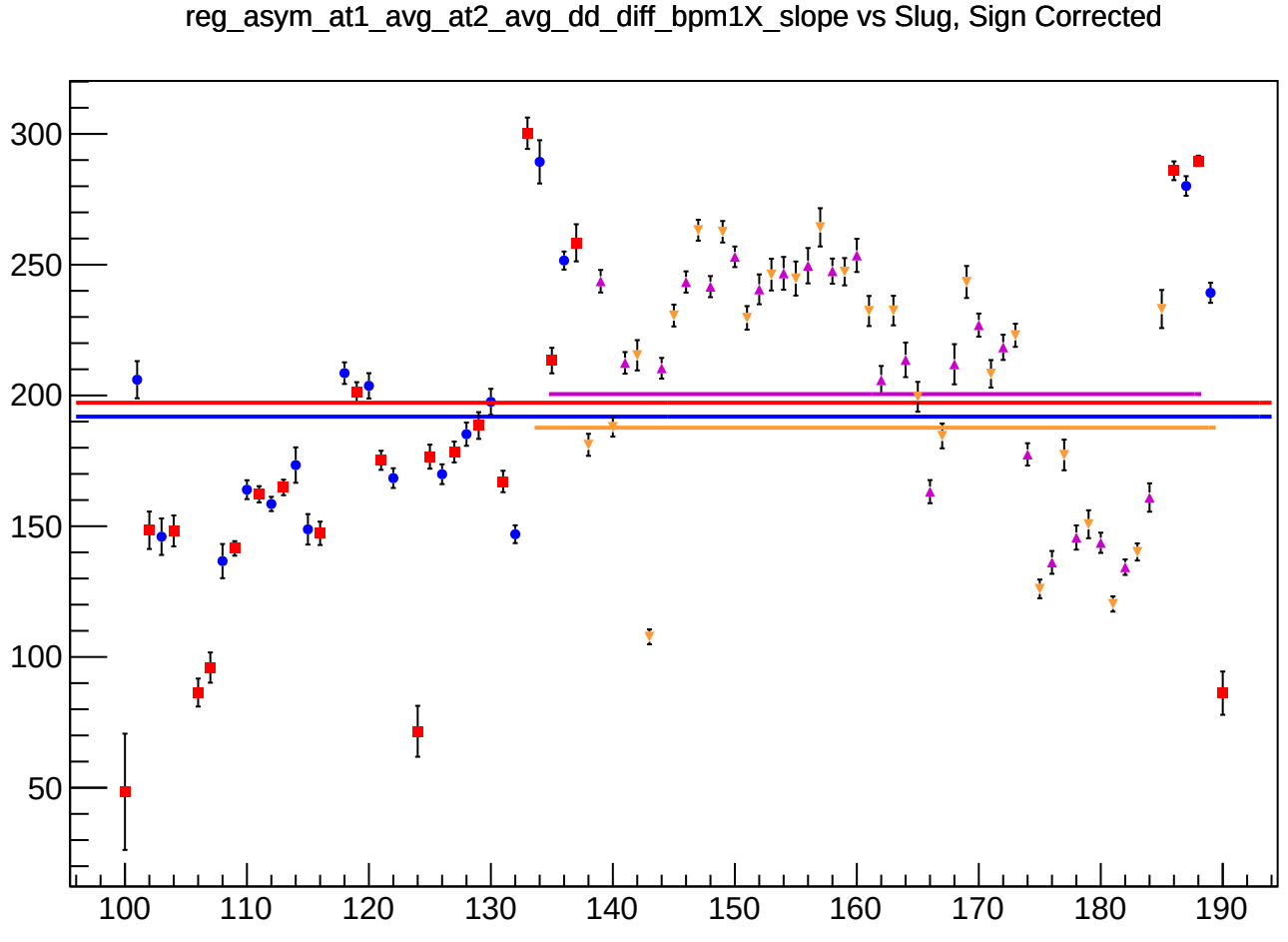
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

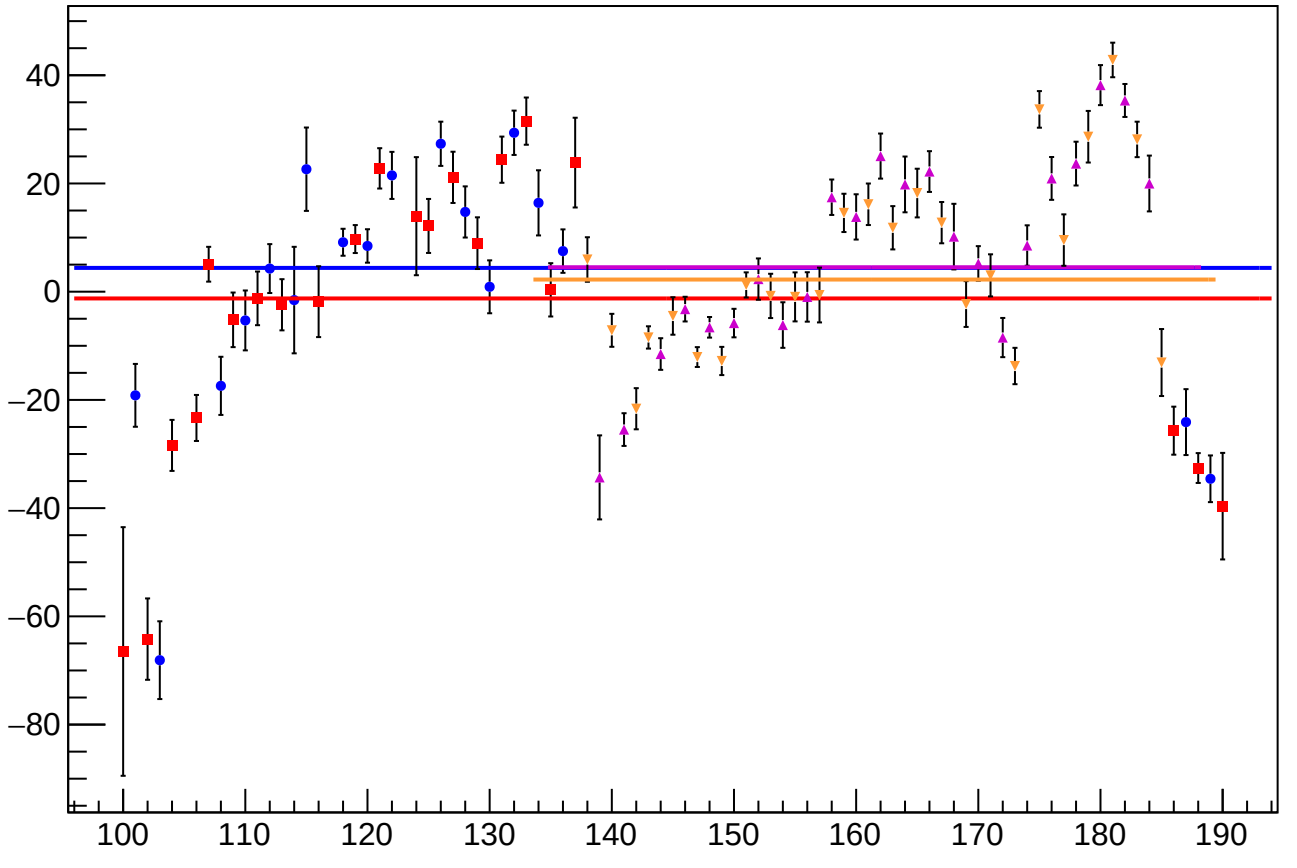
Right: 11.385+/-0.020 χ^2/NDF: 816075.6/39

In: -1.579+/-0.010 χ^2/NDF:1163956.8/40

Out: -0.853+/-0.010 χ^2/NDF:1617591.2/46

All: -1.212+/-0.007 χ^2/NDF: 2784314.9/87


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
190
Right In: 191.889+/-1.010 χ²/NDF: 1805.5/17
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 197.223+/-0.875 χ²/NDF: 5332.3/21
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 194.937+/-0.661 χ²/NDF: 7153.7/39
In: 196.445+/-0.694 χ²/NDF:3955.5/40
Out: 192.576+/-0.626 χ²/NDF:8918.6/46
All: 194.313+/-0.465 χ²/NDF: 12891.2/87



Right In: 4.396+/-1.061 χ^2/NDF: 346.5/17

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -1.250+/-0.963 χ^2/NDF: 515.0/21

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

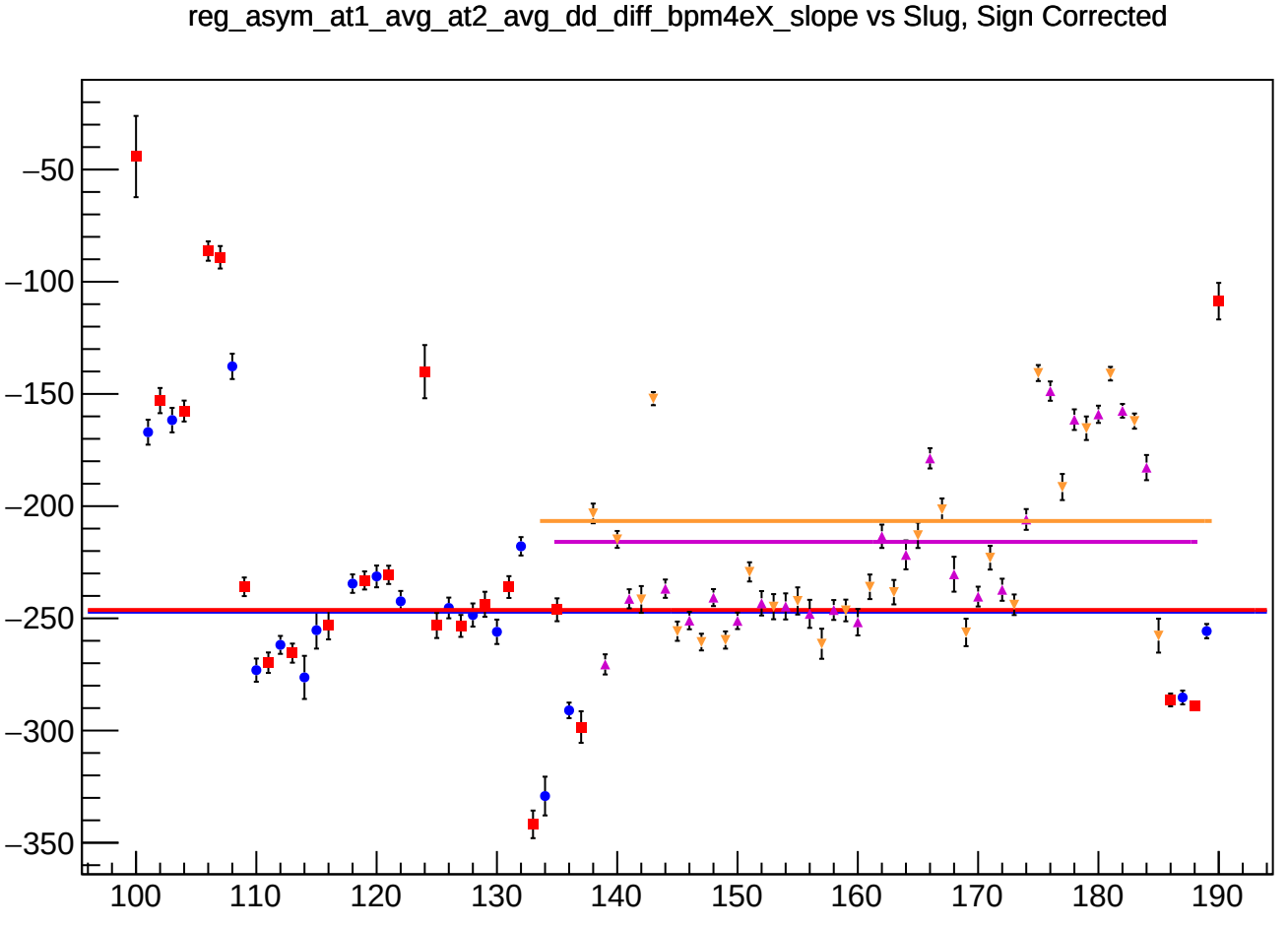
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 1.298+/-0.713 χ^2/NDF: 877.0/39

In: 4.476+/-0.593 χ^2/NDF:893.6/40

Out: 1.117+/-0.547 χ^2/NDF:1124.7/46

All: 2.663+/-0.402 χ^2/NDF: 2035.7/87



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -246.279+/-0.892 χ^2/NDF: 4783.2/21

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

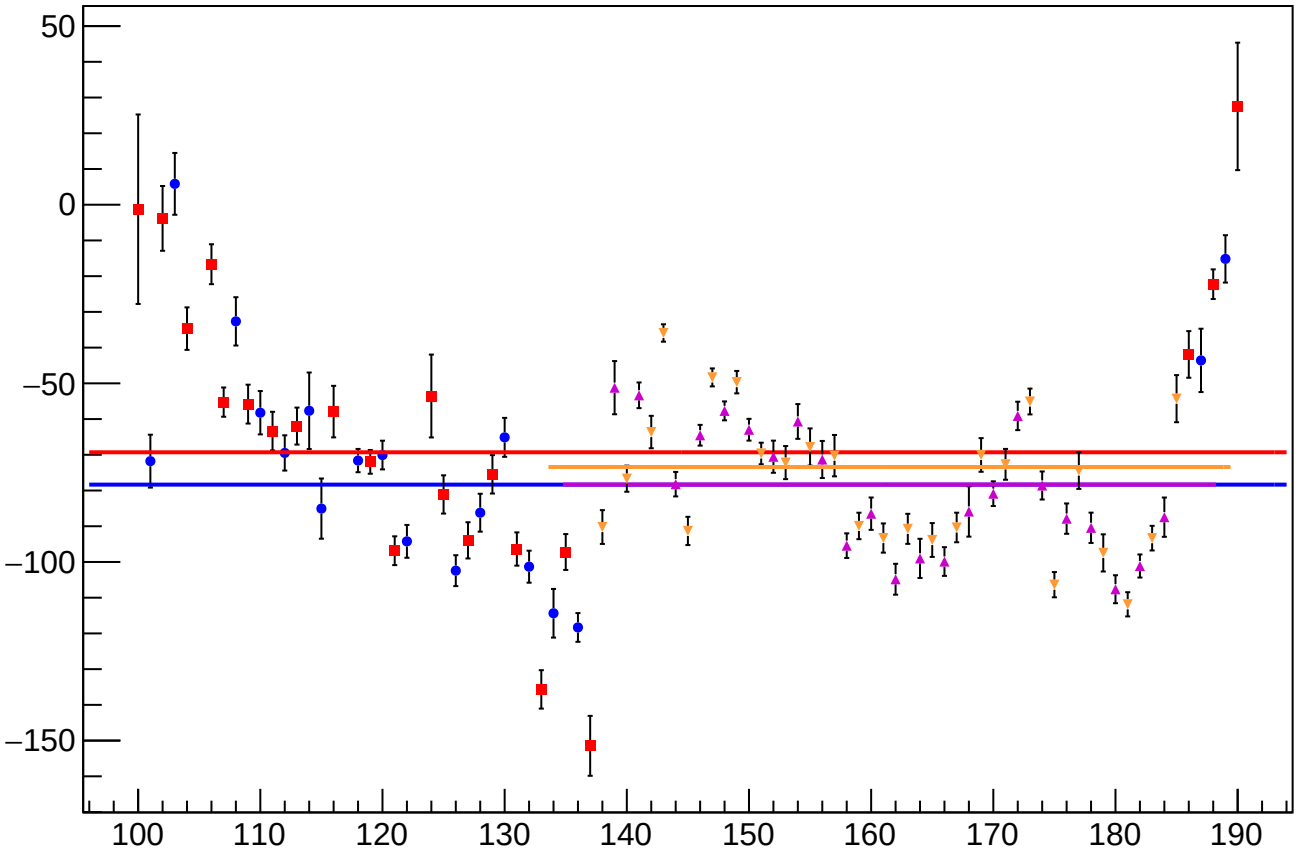
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -246.584+/-0.689 χ^2/NDF: 6144.1/39

In: -229.358+/-0.713 χ^2/NDF:3538.8/40

Out: -226.504+/-0.632 χ^2/NDF:8236.3/46

All: -227.759+/-0.473 χ^2/NDF: 11784.0/87



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.297+/-1.158 χ^2/NDF: 772.6/21

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

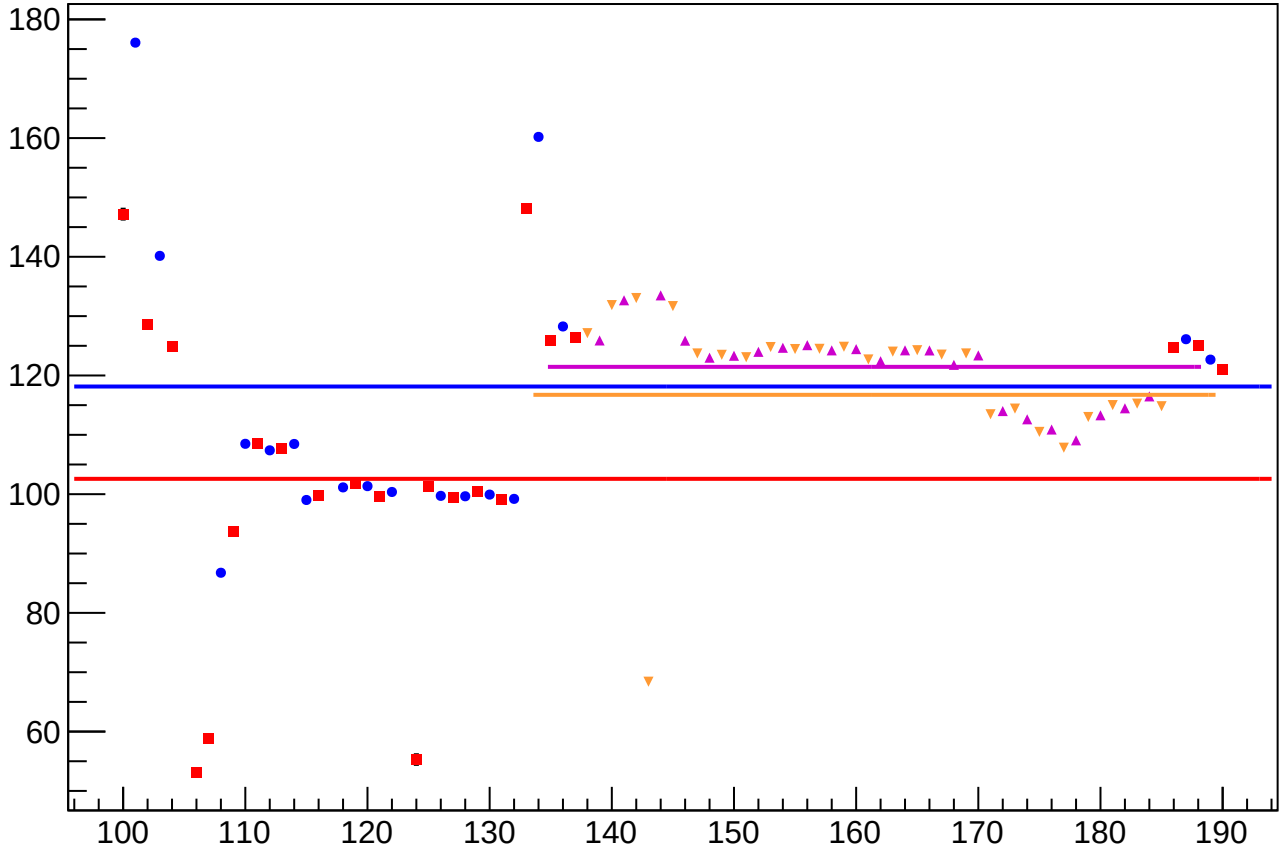
Right: -73.477+/-0.850 χ^2/NDF: 1279.2/39

In: -78.336+/-0.684 χ^2/NDF:921.7/40

Out: -72.168+/-0.639 χ^2/NDF:1618.0/46

All: -75.044+/-0.467 χ^2/NDF: 2583.0/87

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.585+/-0.066 χ^2/NDF: 181306.8/21

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

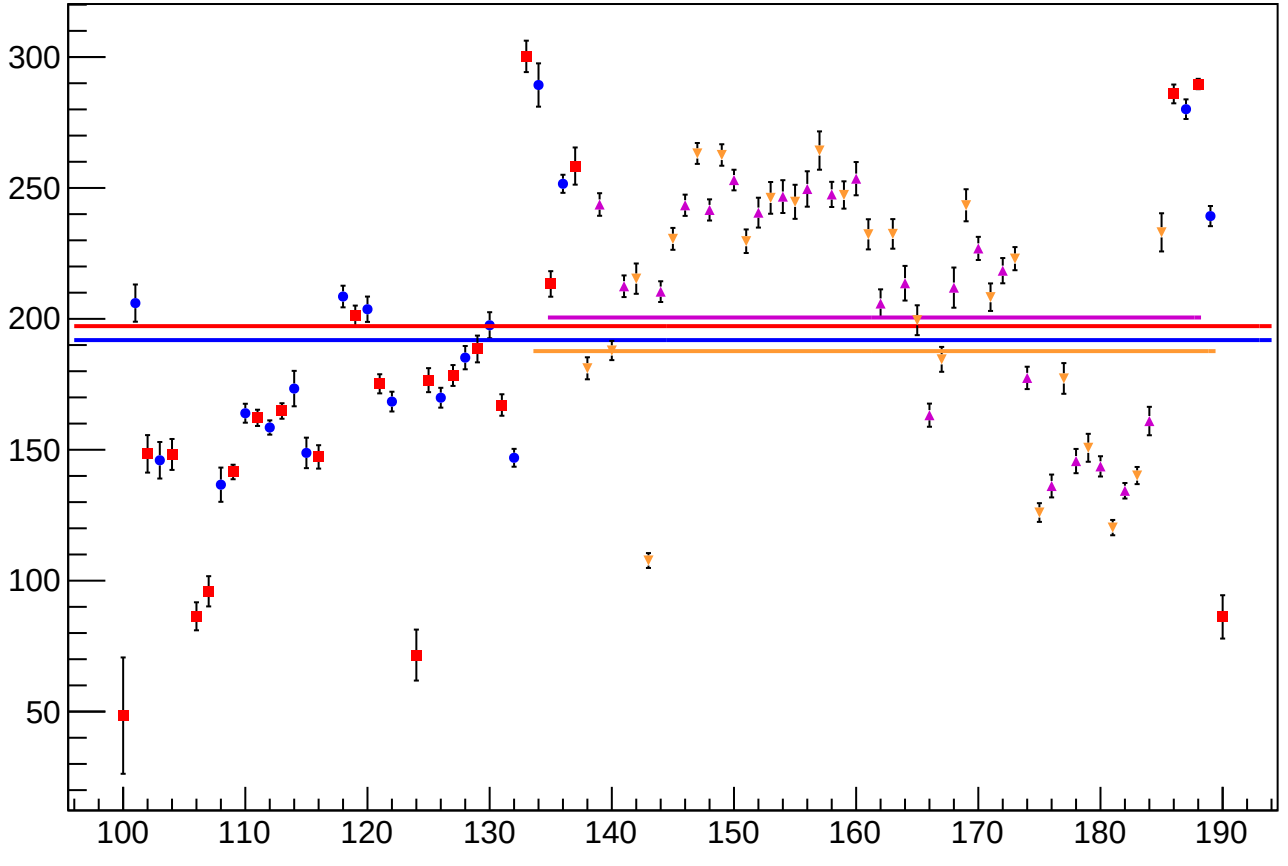
Right: 109.360+/-0.050 χ^2/NDF: 301425.8/39

In: 120.800+/-0.033 χ^2/NDF:126257.0/40

Out: 113.517+/-0.031 χ^2/NDF:420522.4/46

All: 116.945+/-0.023 χ^2/NDF: 571974.2/87

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 197.223+/-0.875 χ^2/NDF: 5332.3/21

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

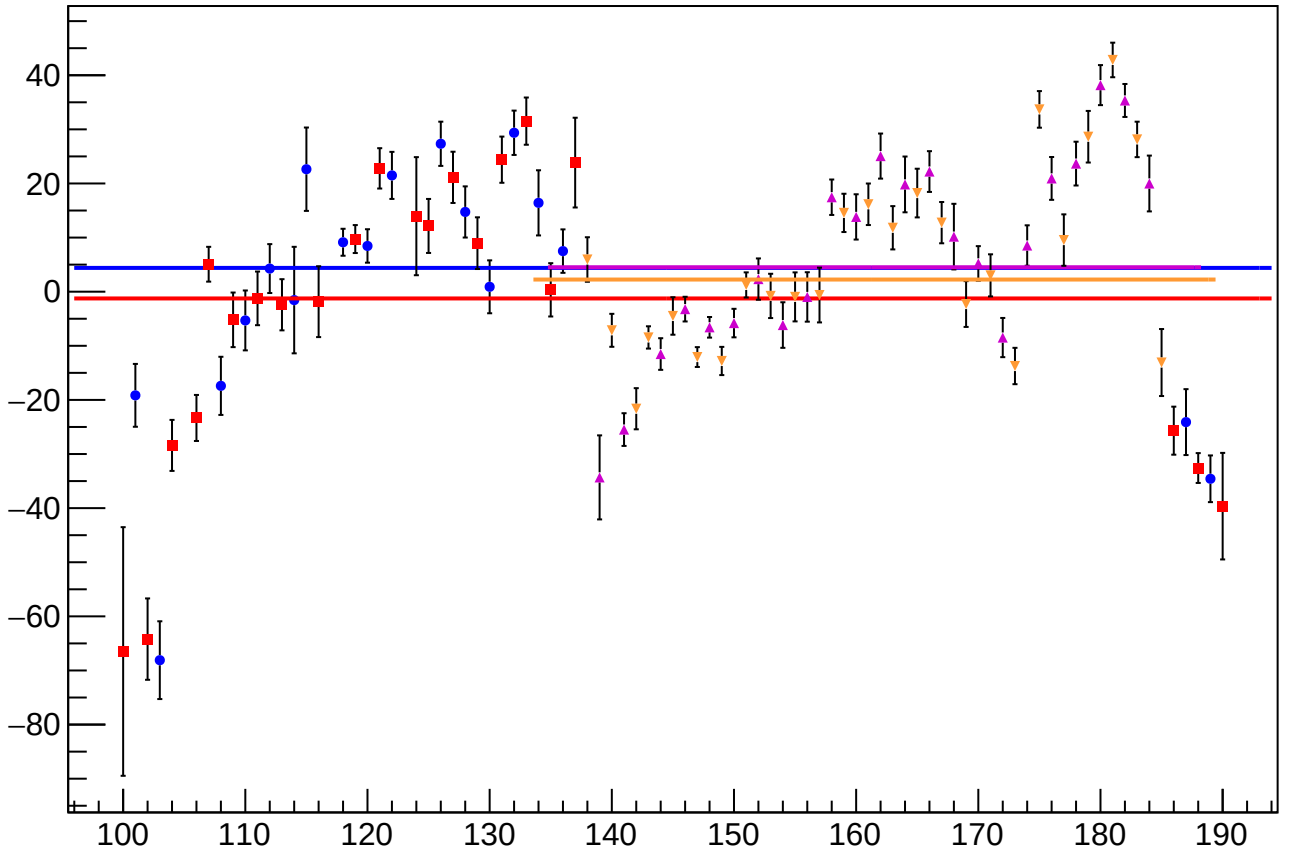
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 194.937+/-0.661 χ^2/NDF: 7153.7/39

In: 196.445+/-0.694 χ^2/NDF:3955.5/40

Out: 192.576+/-0.626 χ^2/NDF:8918.6/46

All: 194.313+/-0.465 χ^2/NDF: 12891.2/87



Right In: 4.396+/-1.061 χ^2/NDF: 346.5/17

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -1.250+/-0.963 χ^2/NDF: 515.0/21

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

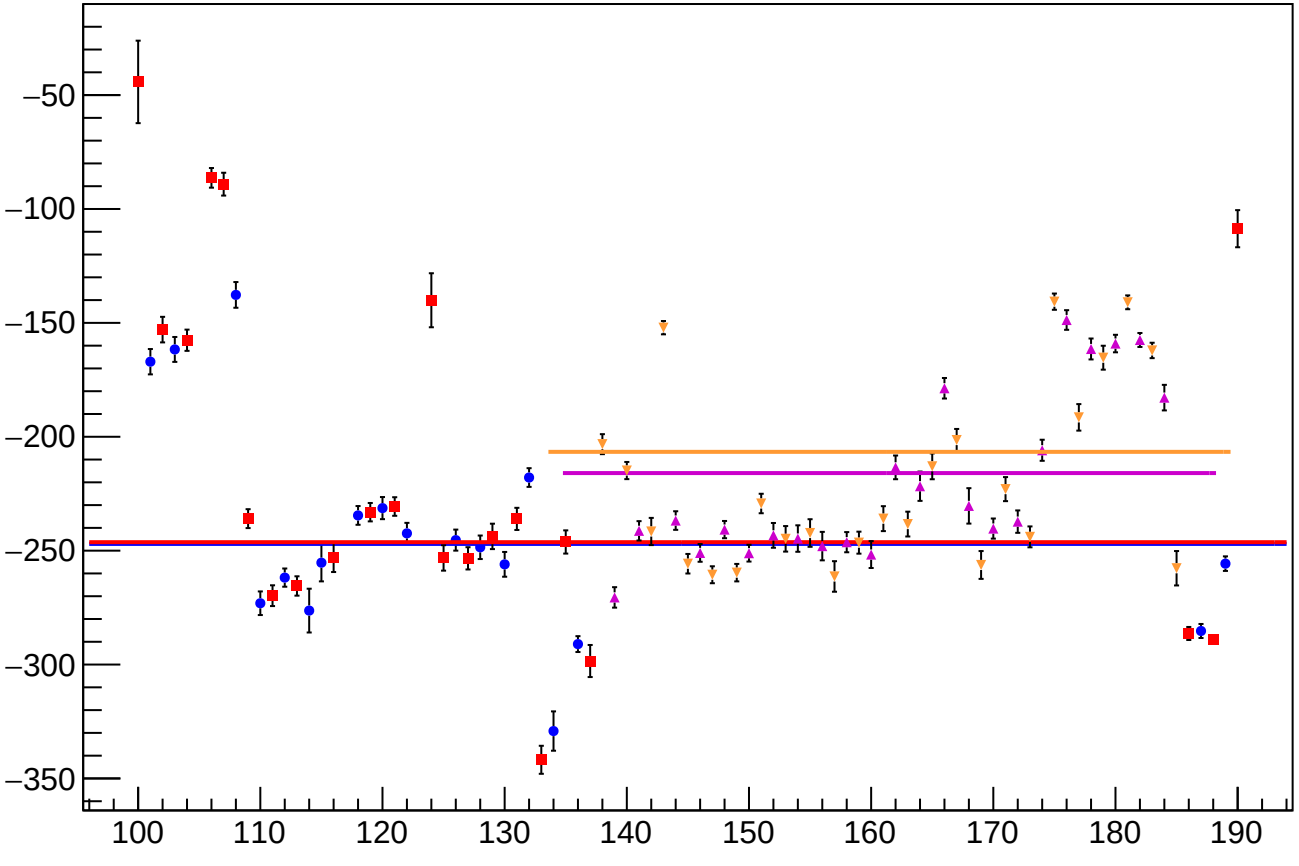
Right: 1.298+/-0.713 χ^2/NDF: 877.0/39

In: 4.476+/-0.593 χ^2/NDF:893.6/40

Out: 1.117+/-0.547 χ^2/NDF:1124.7/46

All: 2.663+/-0.402 χ^2/NDF: 2035.7/87

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -246.279+/-0.892 χ^2/NDF: 4783.2/21

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

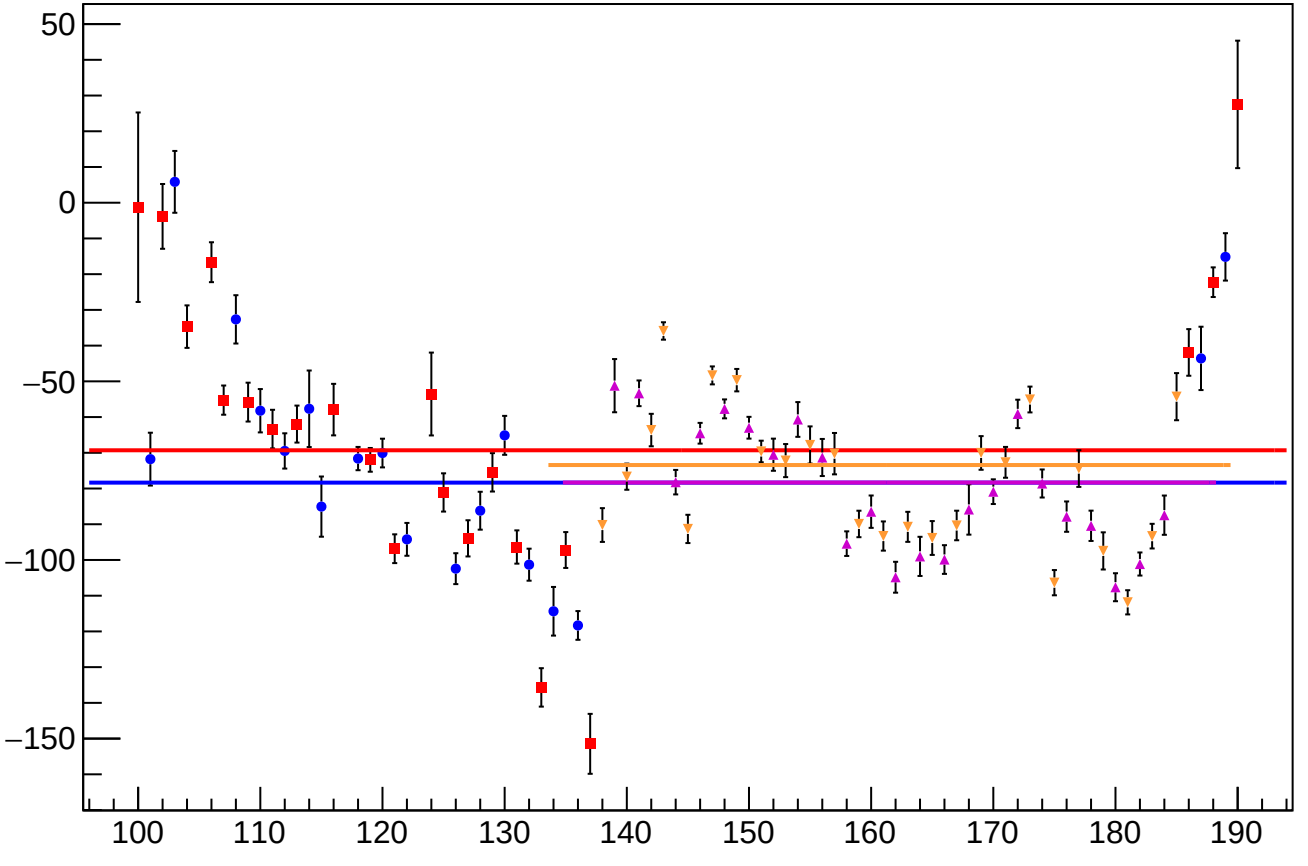
Right: -246.584+/-0.689 χ^2/NDF: 6144.1/39

In: -229.358+/-0.713 χ^2/NDF:3538.8/40

Out: -226.504+/-0.632 χ^2/NDF:8236.3/46

All: -227.759+/-0.473 χ^2/NDF: 11784.0/87

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.297+/-1.158 χ^2/NDF: 772.6/21

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

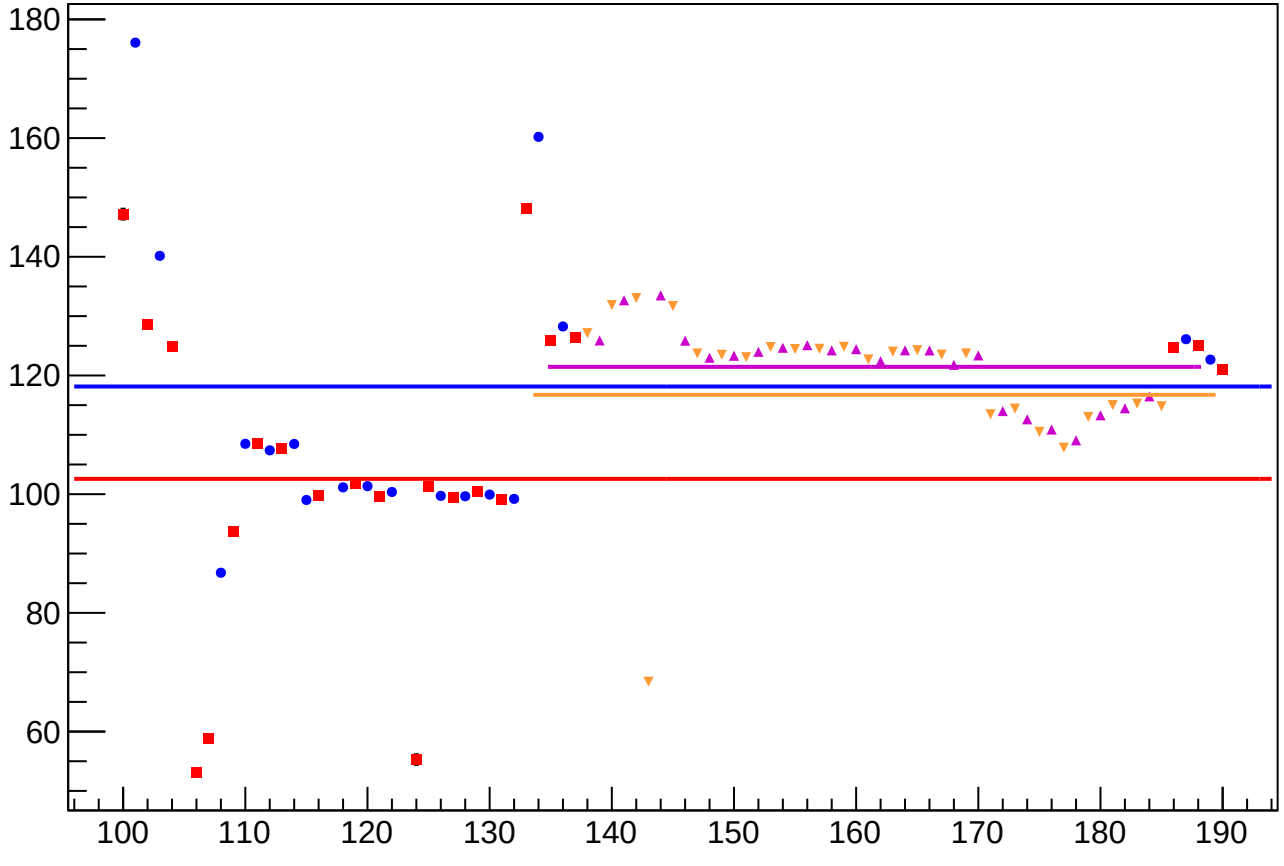
Right: -73.477+/-0.850 χ^2/NDF: 1279.2/39

In: -78.336+/-0.684 χ^2/NDF:921.7/40

Out: -72.168+/-0.639 χ^2/NDF:1618.0/46

All: -75.044+/-0.467 χ^2/NDF: 2583.0/87

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.585+/-0.066 χ^2/NDF: 181306.8/21

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

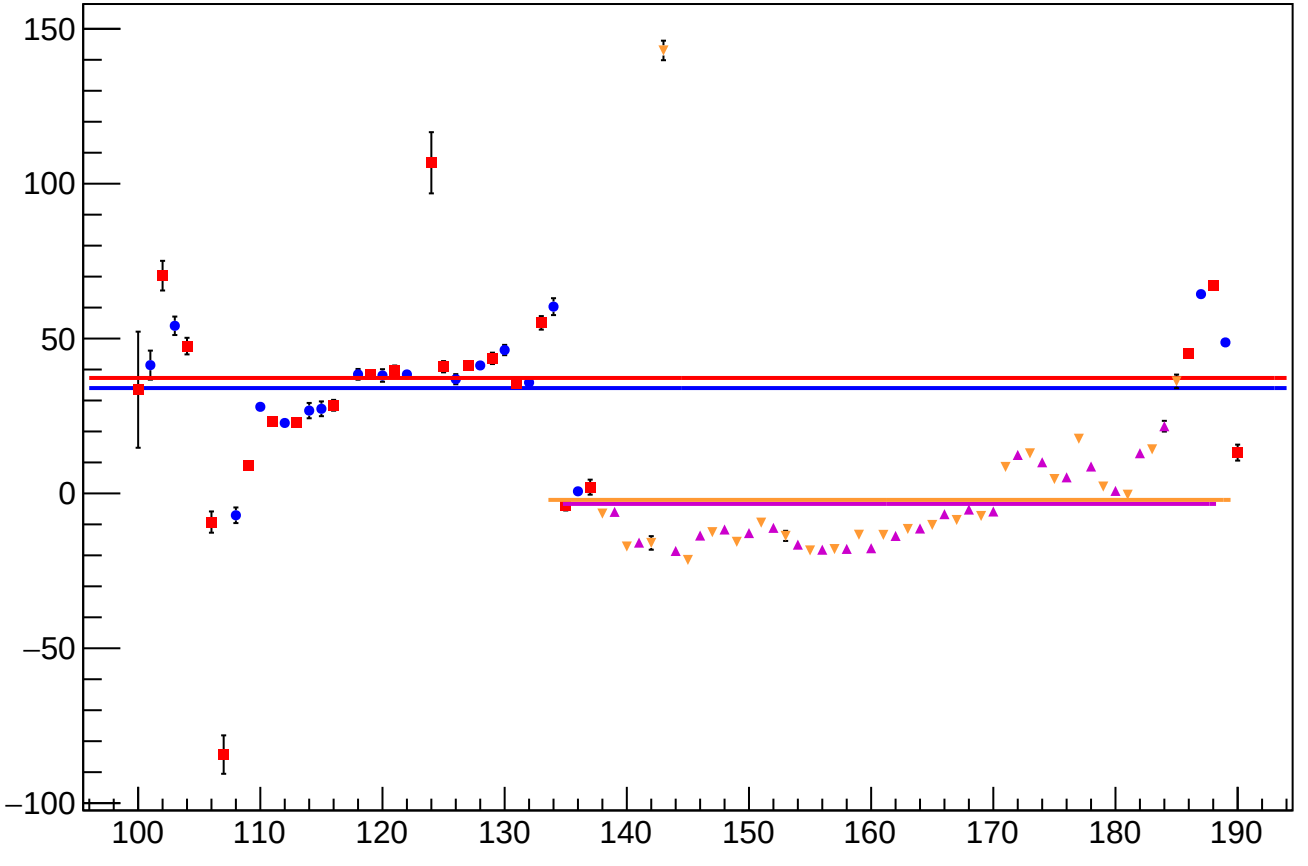
Right: 109.360+/-0.050 χ^2/NDF: 301425.8/39

In: 120.800+/-0.033 χ^2/NDF:126257.0/40

Out: 113.517+/-0.031 χ^2/NDF:420522.4/46

All: 116.945+/-0.023 χ^2/NDF: 571974.2/87

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.276+/-0.328 χ^2/NDF: 4380.6/21

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

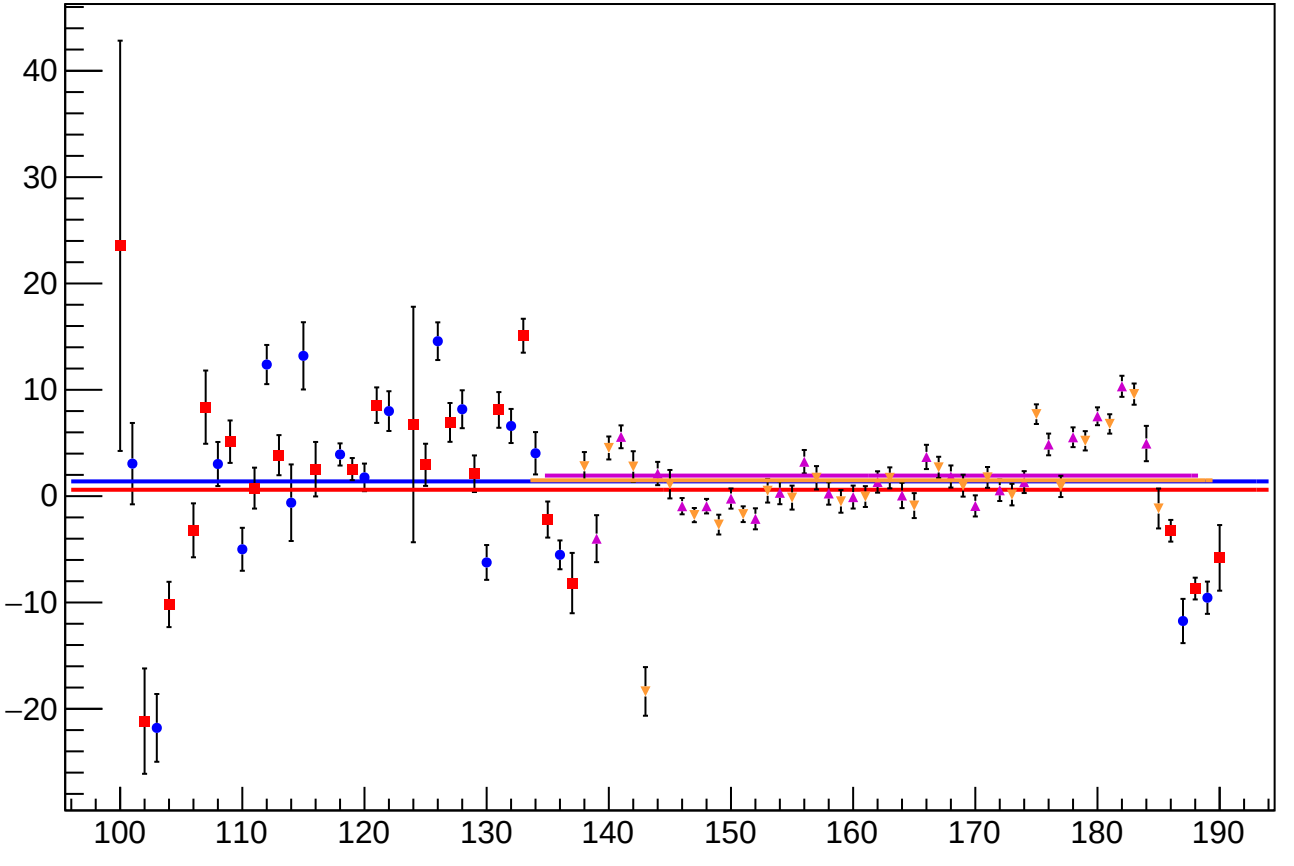
Right: 35.906+/-0.250 χ^2/NDF: 6573.3/39

In: 8.974+/-0.222 χ^2/NDF:10187.9/40

Out: 13.559+/-0.207 χ^2/NDF:17239.2/46

All: 11.426+/-0.151 χ^2/NDF: 27655.3/87

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.388+/-0.416 χ^2/NDF: 353.7/17

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.601+/-0.381 χ^2/NDF: 318.9/21

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

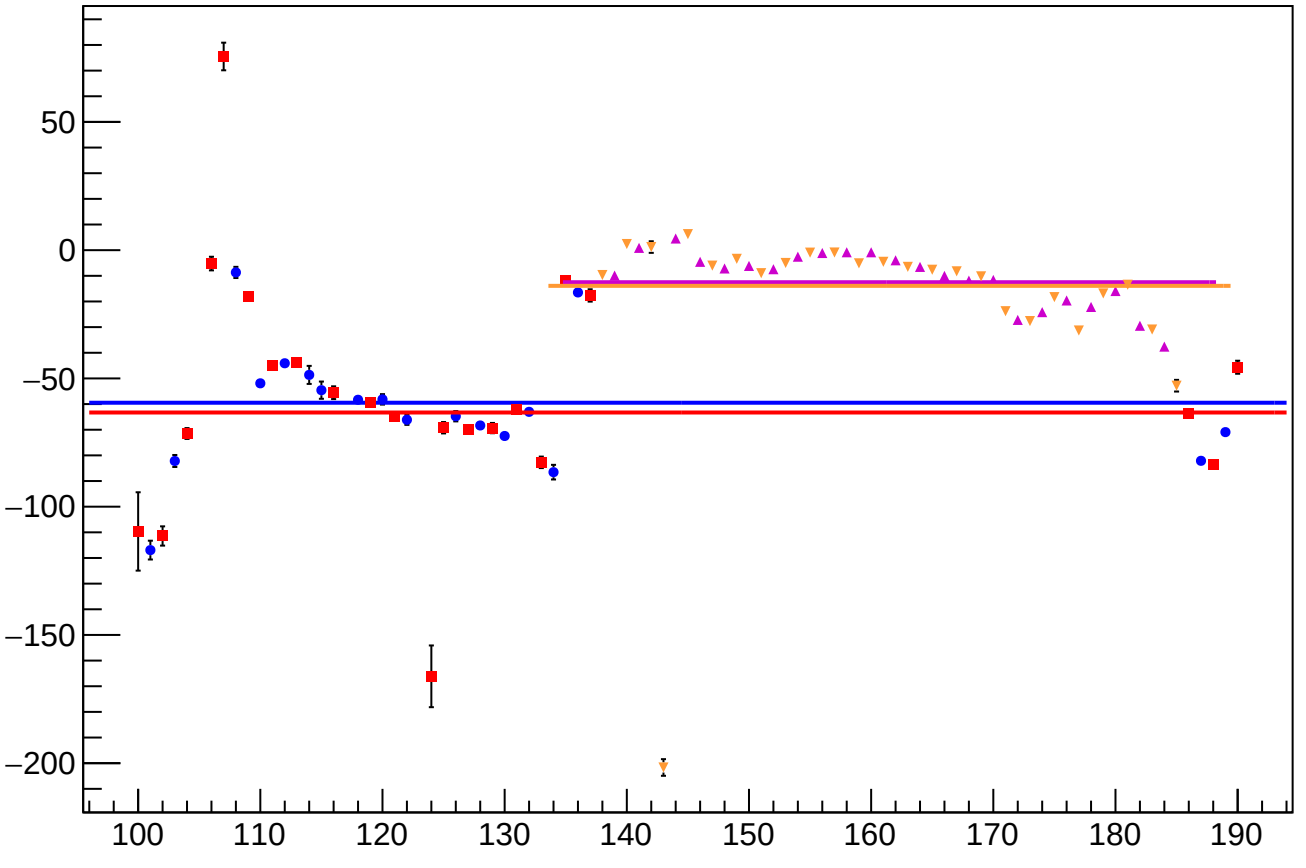
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 0.960+/-0.281 χ^2/NDF: 674.5/39

In: 1.822+/-0.188 χ^2/NDF:595.7/40

Out: 1.290+/-0.180 χ^2/NDF:651.6/46

All: 1.545+/-0.130 χ^2/NDF: 1251.6/87



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.286+/-0.327 χ^2/NDF: 4972.1/21

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

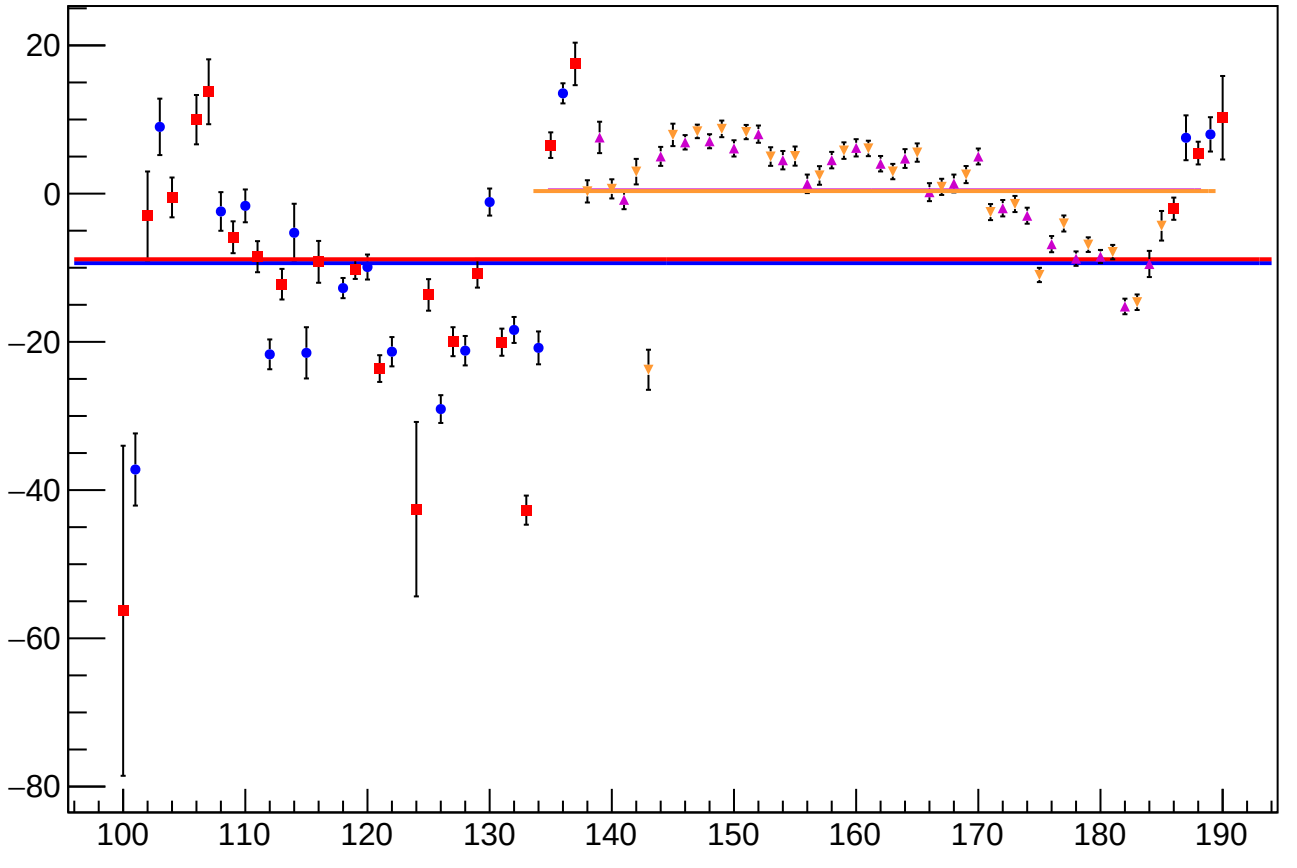
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -61.815+/-0.256 χ^2/NDF: 8128.4/39

In: -26.507+/-0.225 χ^2/NDF:13652.6/40

Out: -33.477+/-0.206 χ^2/NDF:23890.5/46

All: -30.306+/-0.152 χ^2/NDF: 38065.7/87



Right In: -9.376+/-0.487 χ^2/NDF: 760.4/17

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.856+/-0.463 χ^2/NDF: 810.6/21

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

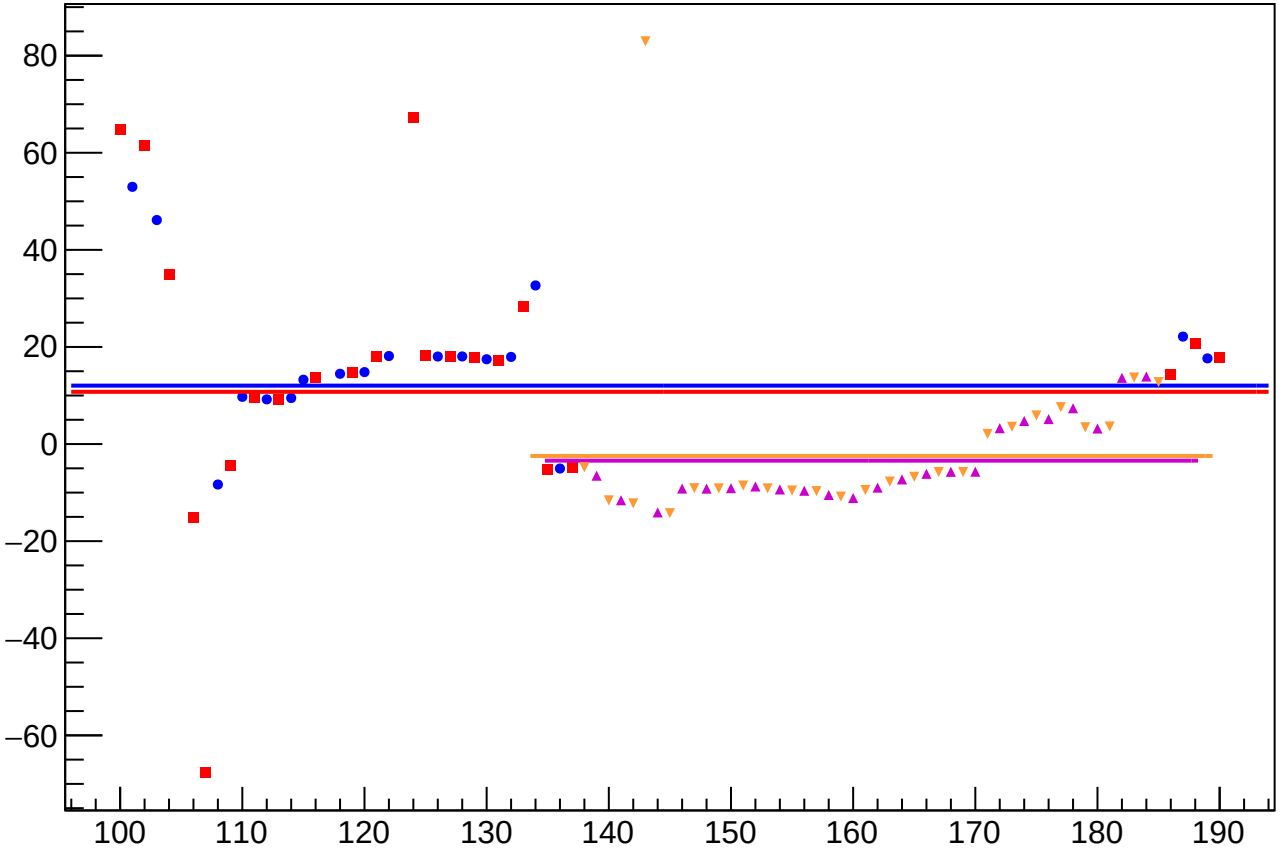
Right: -9.103+/-0.336 χ^2/NDF: 1571.6/39

In: -1.438+/-0.213 χ^2/NDF:1870.3/40

Out: -1.491+/-0.207 χ^2/NDF:2048.1/46

All: -1.465+/-0.148 χ^2/NDF: 3918.5/87

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 10.757+/-0.028 χ^2/NDF: 458693.9/21

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

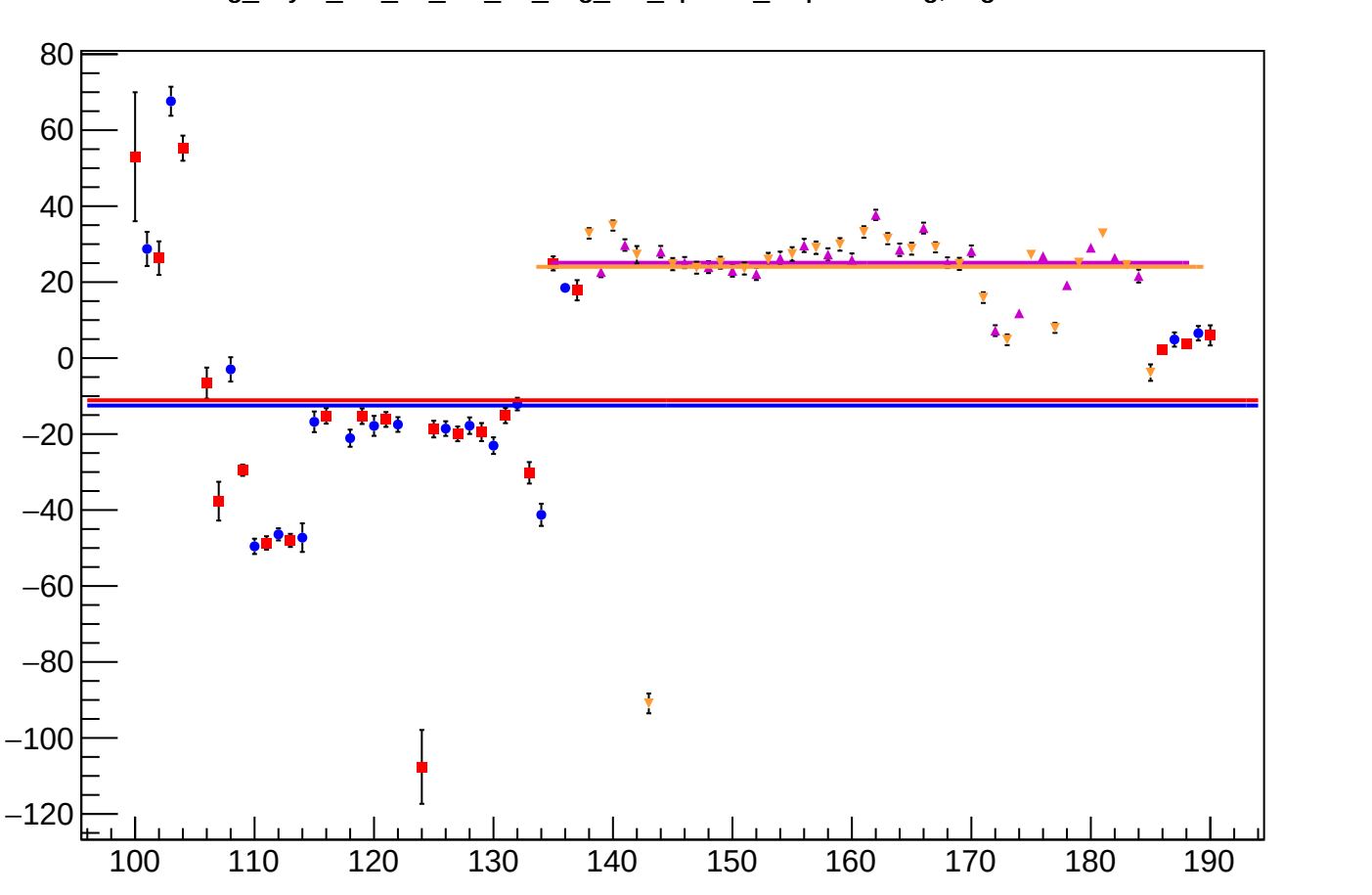
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 11.385+/-0.020 χ^2/NDF: 816075.6/39

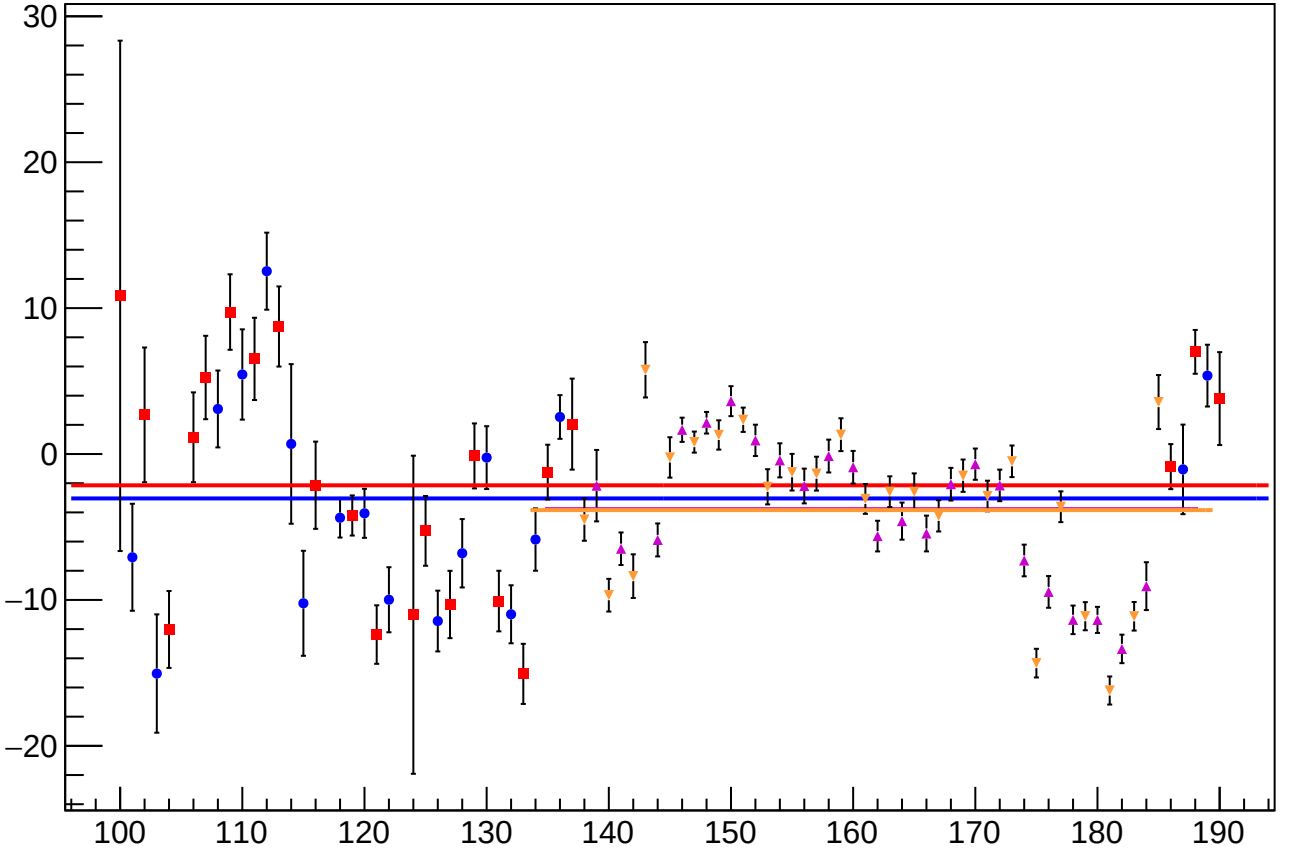
In: -1.579+/-0.010 χ^2/NDF:1163956.8/40

Out: -0.853+/-0.010 χ^2/NDF:1617591.2/46

All: -1.212+/-0.007 χ^2/NDF: 2784314.9/87


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -12.496+/-0.500 χ²/NDF: 2338.6/17
Left Out: 24.025+/-0.282 χ²/NDF:2802.2/24
Right Out: -11.106+/-0.437 χ²/NDF: 2635.0/21
Left In: 25.089+/-0.287 χ²/NDF:495.3/22
Left: 24.547+/-0.201 χ²/NDF: 3304.5/47
Right: -11.708+/-0.329 χ²/NDF: 4978.0/39
In: 15.768+/-0.249 χ²/NDF:7080.9/40
Out: 13.697+/-0.237 χ²/NDF:9999.1/46
All: 14.681+/-0.172 χ²/NDF: 17116.3/87

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.043+/-0.526 χ^2/NDF: 141.5/17

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.144+/-0.493 χ^2/NDF: 211.0/21

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

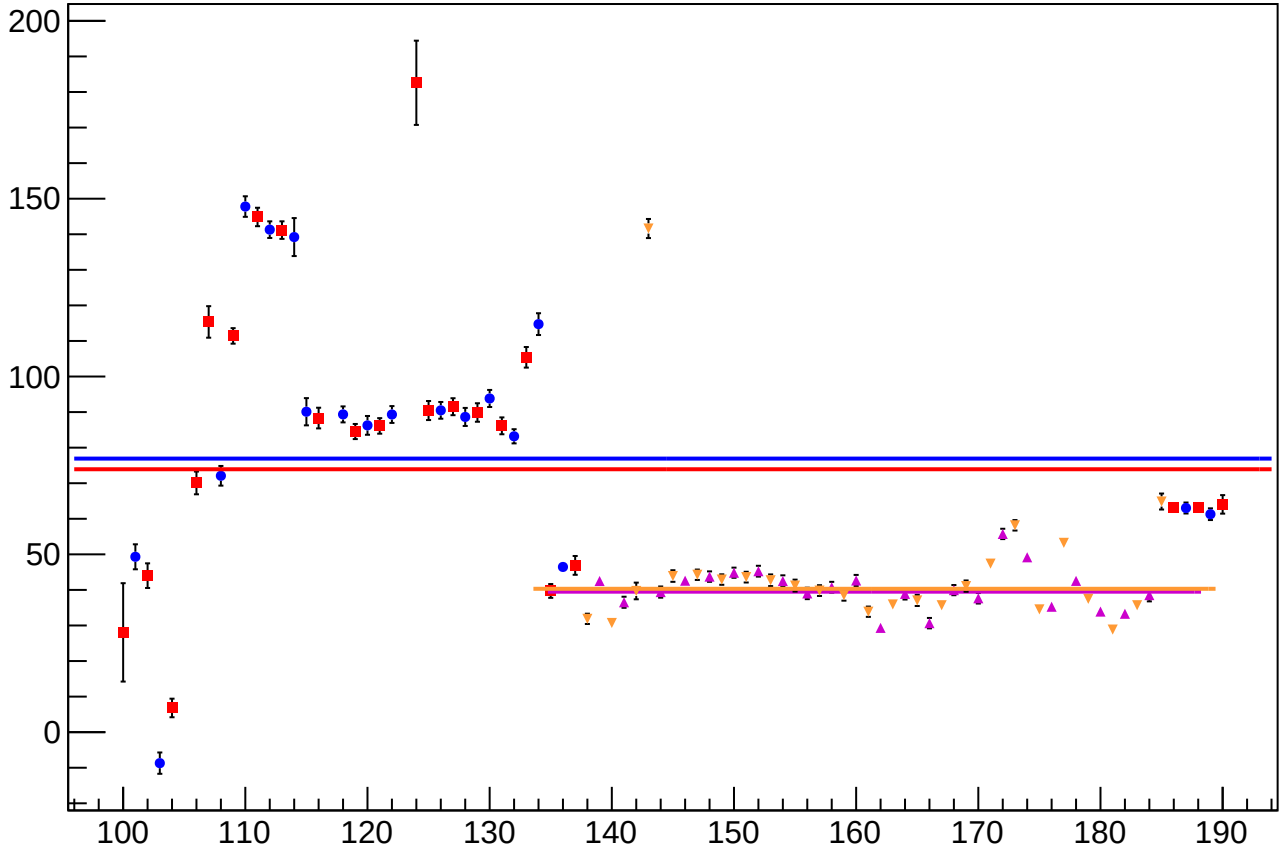
Right: -2.565+/-0.360 χ^2/NDF: 354.1/39

In: -3.667+/-0.206 χ^2/NDF:653.0/40

Out: -3.568+/-0.199 χ^2/NDF:870.3/46

All: -3.616+/-0.143 χ^2/NDF: 1523.4/87

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 73.926+/-0.441 χ^2/NDF: 3761.4/21

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

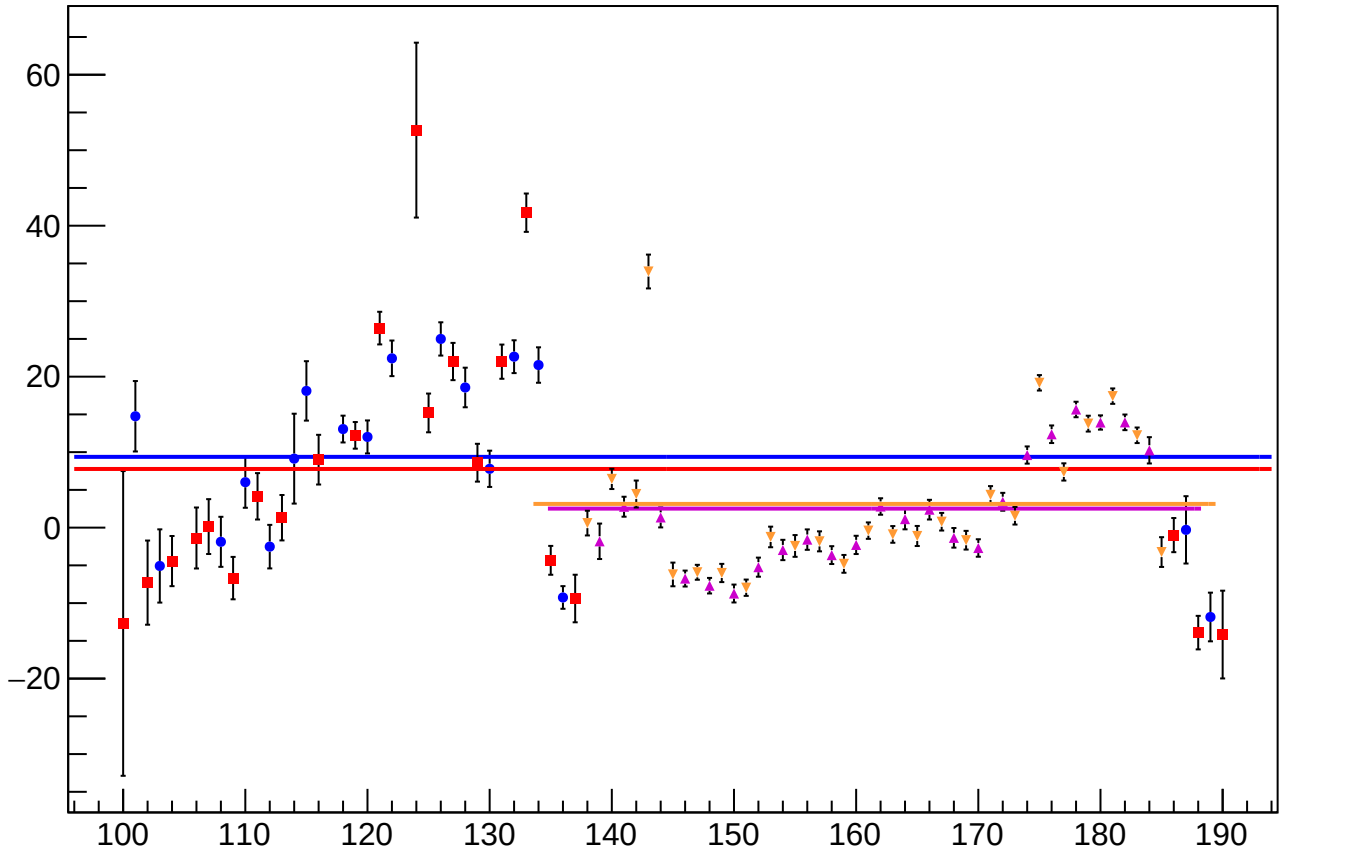
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 75.141+/-0.340 χ^2/NDF: 7231.7/39

In: 47.780+/-0.251 χ^2/NDF:7703.9/40

Out: 49.978+/-0.236 χ^2/NDF:10082.3/46

All: 48.946+/-0.172 χ^2/NDF: 17826.8/87



Right In: 9.376+/-0.609 χ^2/NDF: 410.2/17

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 7.771+/-0.591 χ^2/NDF: 613.9/21

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

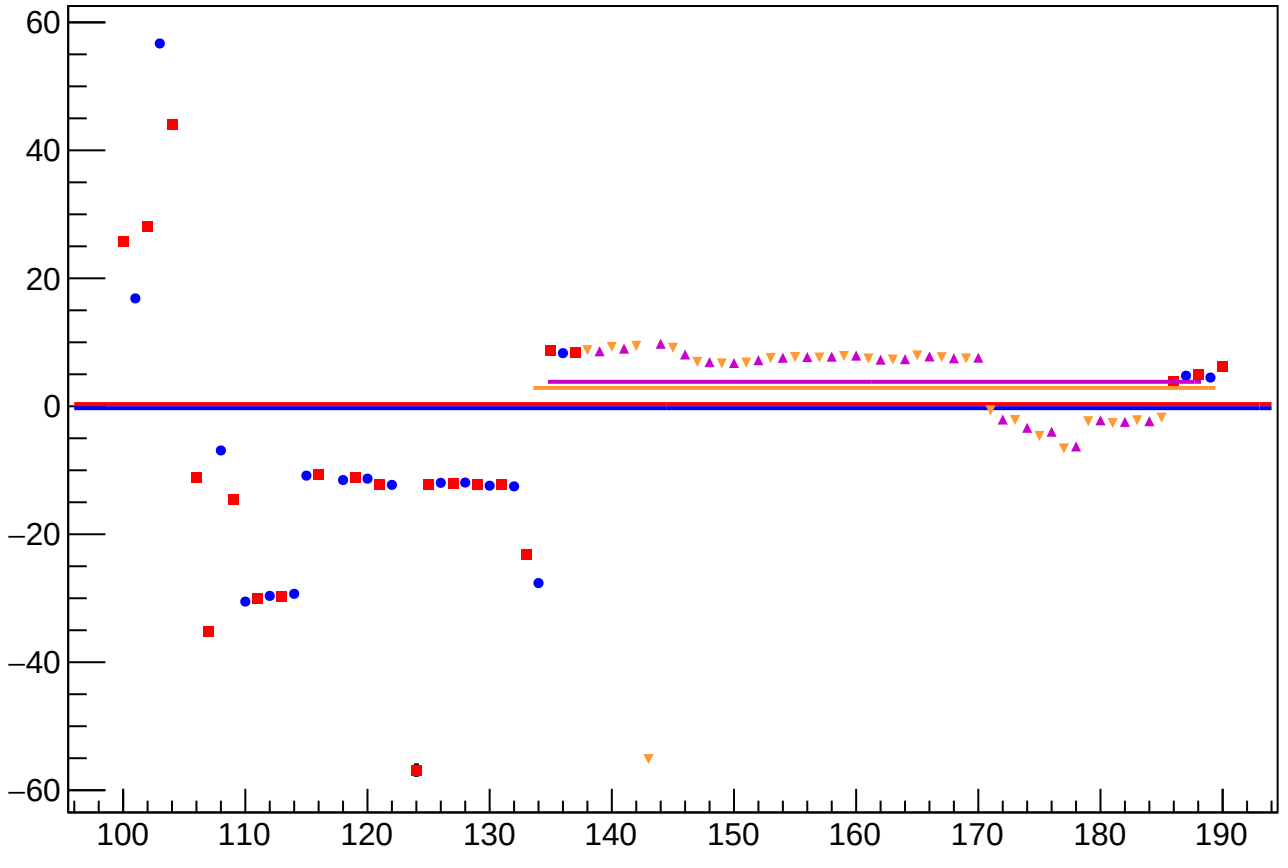
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 8.548+/-0.424 χ^2/NDF: 1027.7/39

In: 3.514+/-0.232 χ^2/NDF:1486.7/40

Out: 3.824+/-0.227 χ^2/NDF:1933.3/46

All: 3.672+/-0.162 χ^2/NDF: 3420.9/87



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.344+/-0.034 χ^2/NDF: 320379.2/21

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

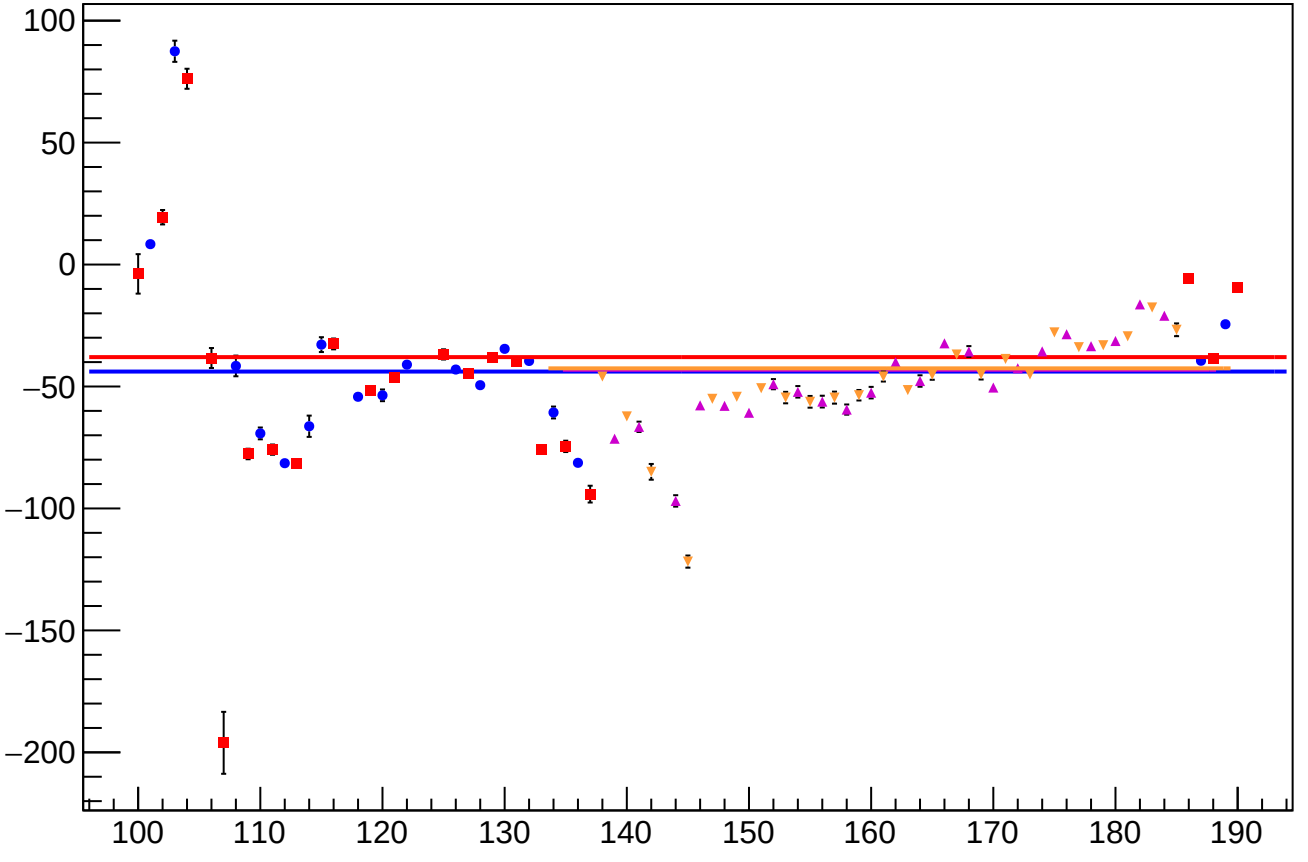
Right: 0.028+/-0.024 χ^2/NDF: 690401.8/39

In: 3.435+/-0.011 χ^2/NDF:616118.0/40

Out: 2.630+/-0.010 χ^2/NDF:837732.6/46

All: 3.028+/-0.007 χ^2/NDF: 1456784.3/87

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -43.874+/-0.469 χ^2/NDF: 3014.6/17

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -37.951+/-0.394 χ^2/NDF: 4955.4/20

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

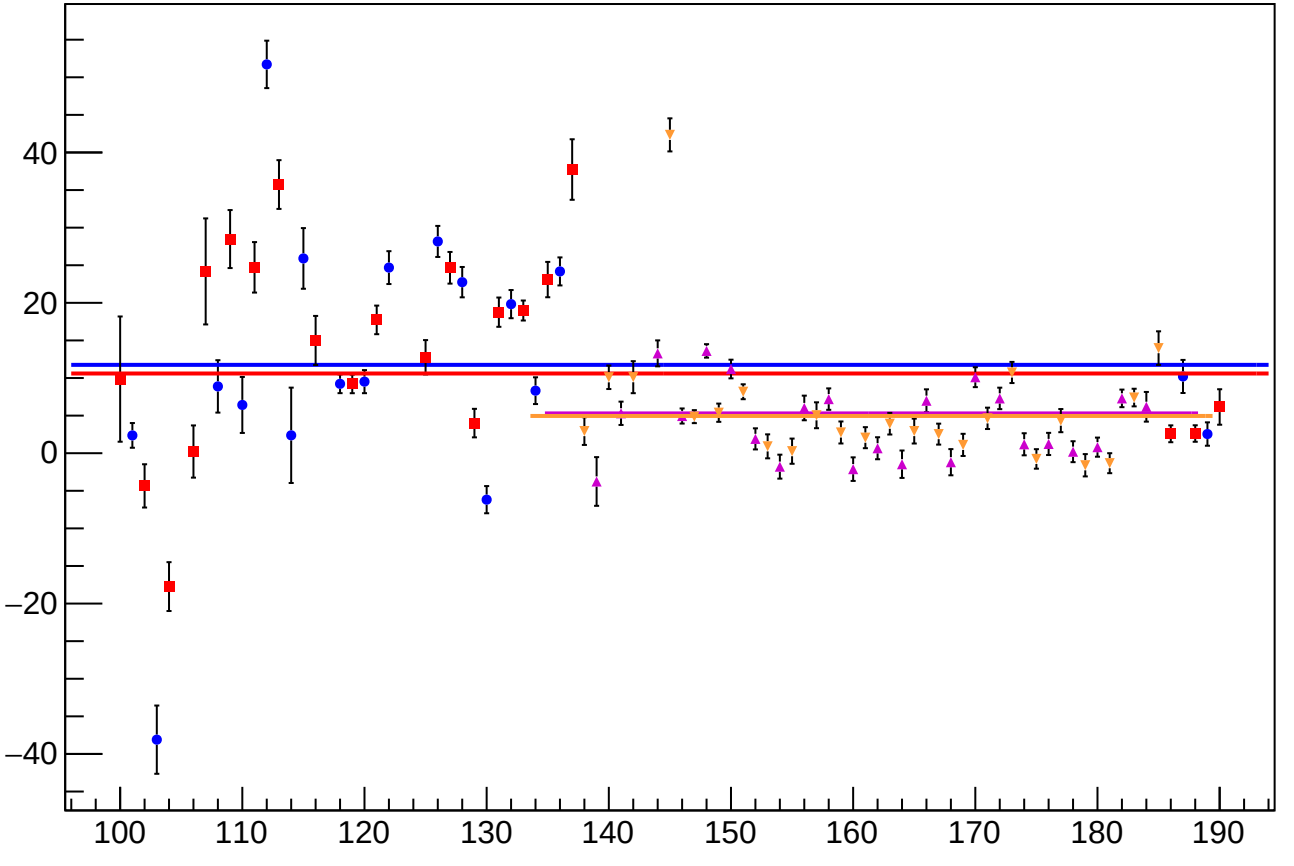
Right: -40.402+/-0.302 χ^2/NDF: 8063.6/38

In: -43.440+/-0.296 χ^2/NDF:5222.7/40

Out: -40.348+/-0.273 χ^2/NDF:7353.0/44

All: -41.769+/-0.201 χ^2/NDF: 12634.7/85

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.751+/-0.480 χ^2/NDF: 665.5/17

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.601+/-0.439 χ^2/NDF: 528.2/20

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

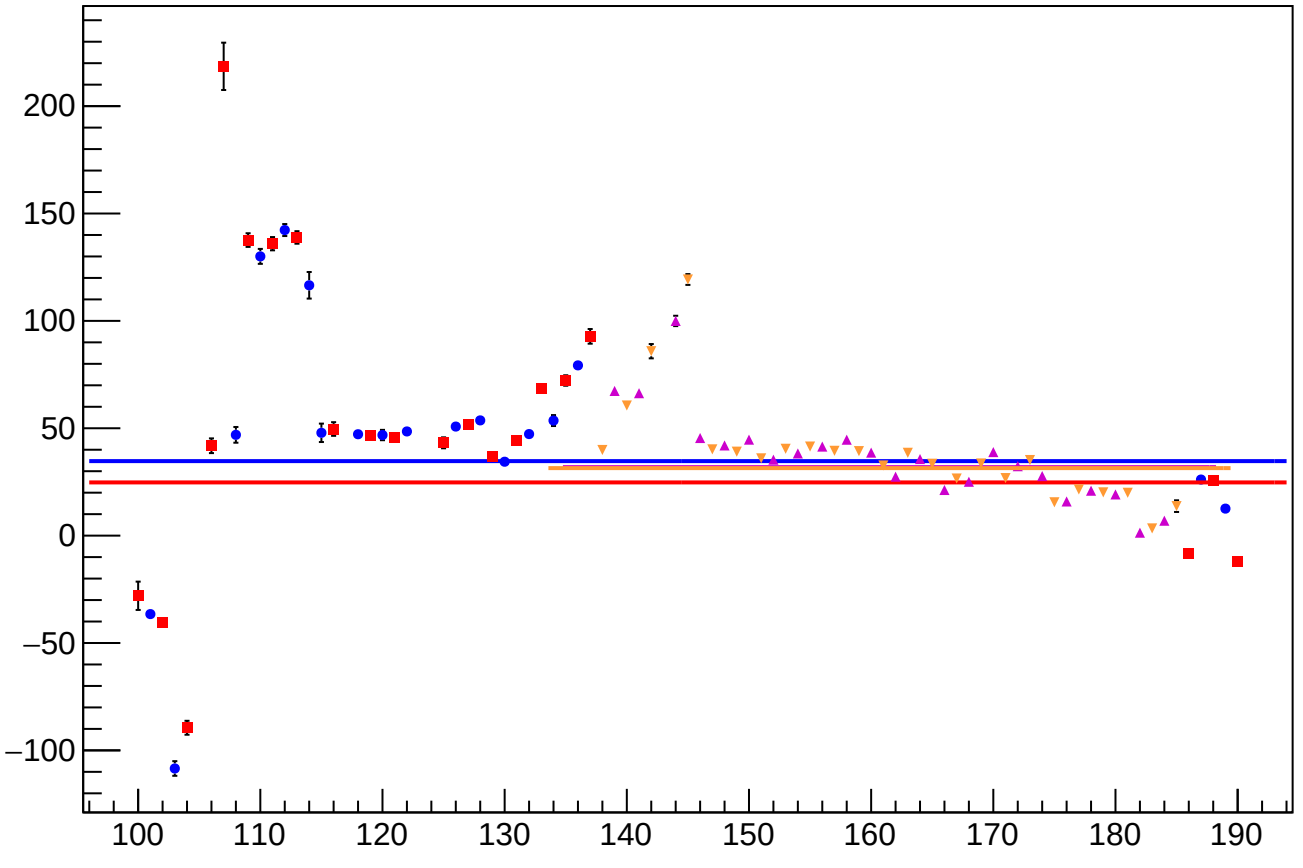
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 11.125+/-0.324 χ^2/NDF: 1196.9/38

In: 7.055+/-0.251 χ^2/NDF:1083.5/40

Out: 6.656+/-0.241 χ^2/NDF:1092.7/44

All: 6.848+/-0.174 χ^2/NDF: 2177.5/85



Right In: 34.699+/-0.474 χ^2/NDF: 7750.7/17

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 24.778+/-0.370 χ^2/NDF: 10888.8/20

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

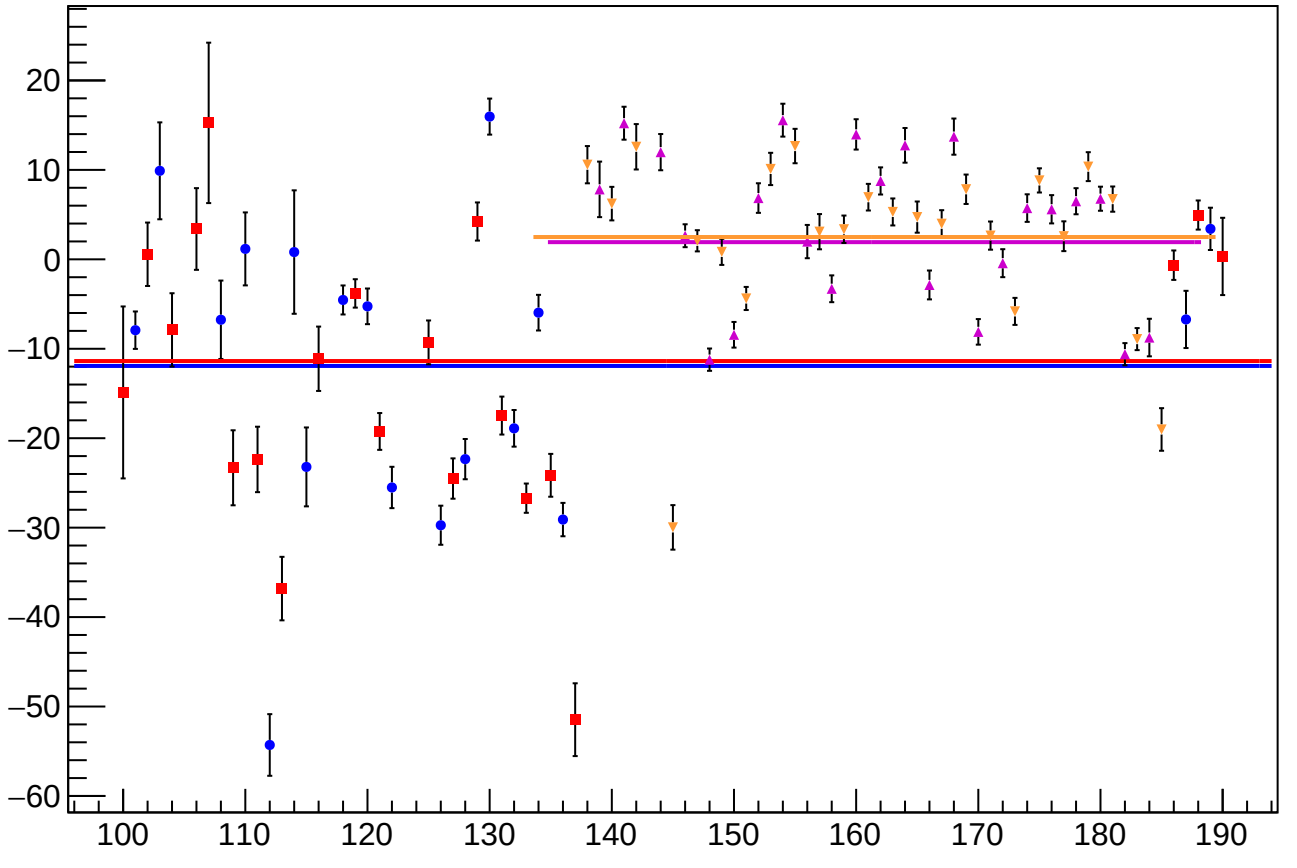
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 28.539+/-0.292 χ^2/NDF: 18911.6/38

In: 32.986+/-0.296 χ^2/NDF:10539.3/40

Out: 28.061+/-0.264 χ^2/NDF:13810.3/44

All: 30.244+/-0.197 χ^2/NDF: 24504.3/85



Right In: -11.920+/-0.572 χ^2/NDF: 688.4/17

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -11.371+/-0.547 χ^2/NDF: 597.3/20

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

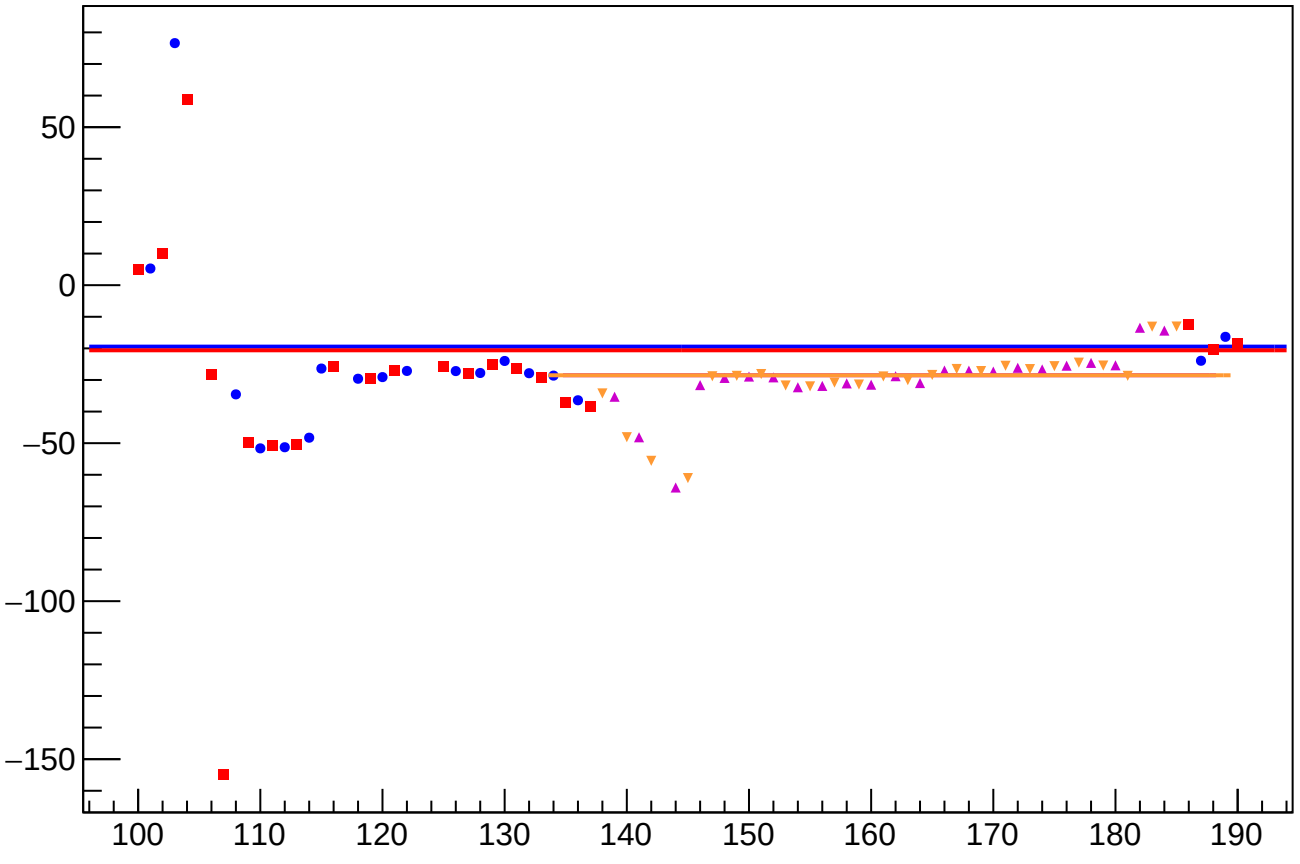
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

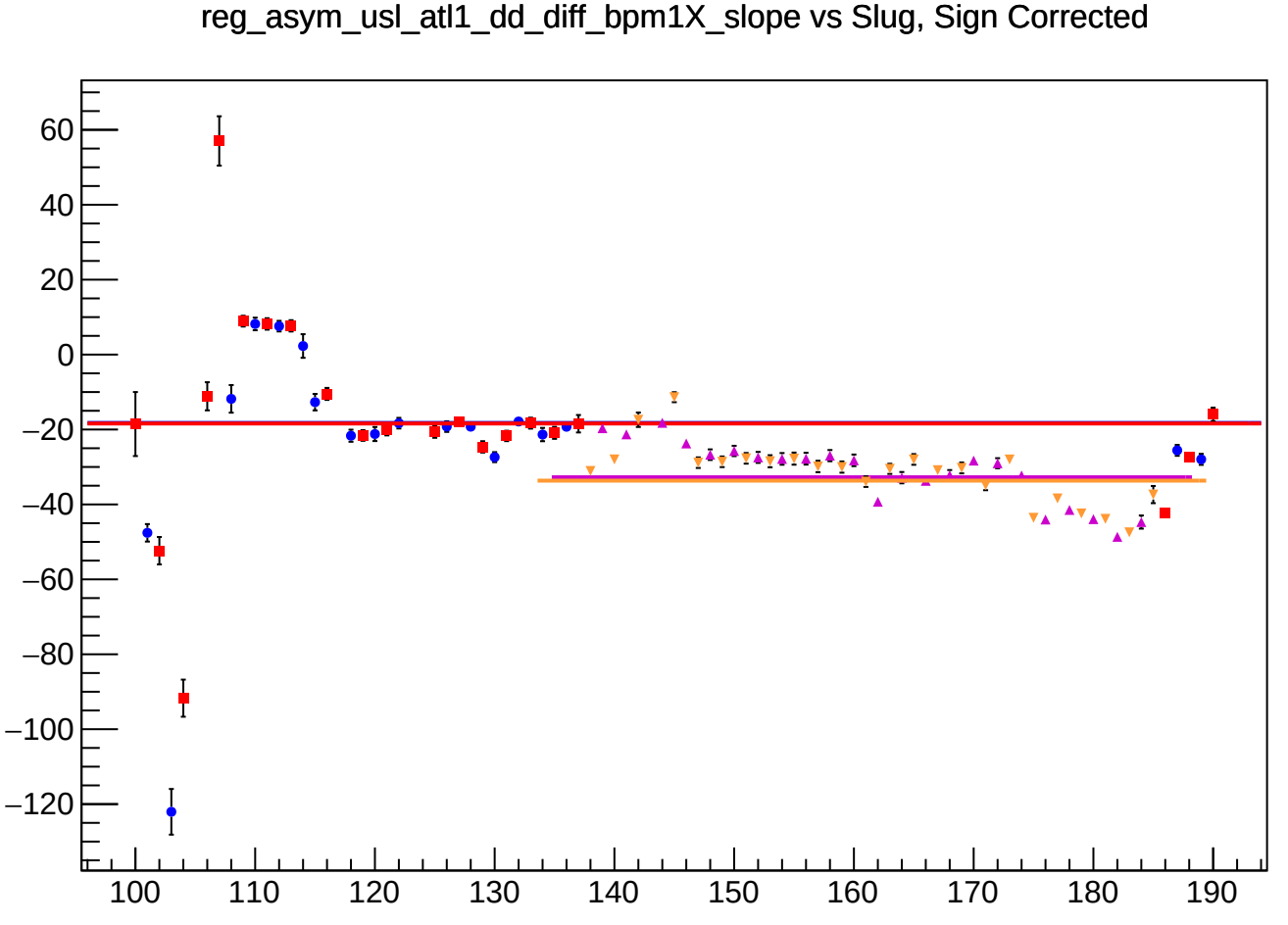
Right: -11.634+/-0.395 χ^2/NDF: 1286.1/38

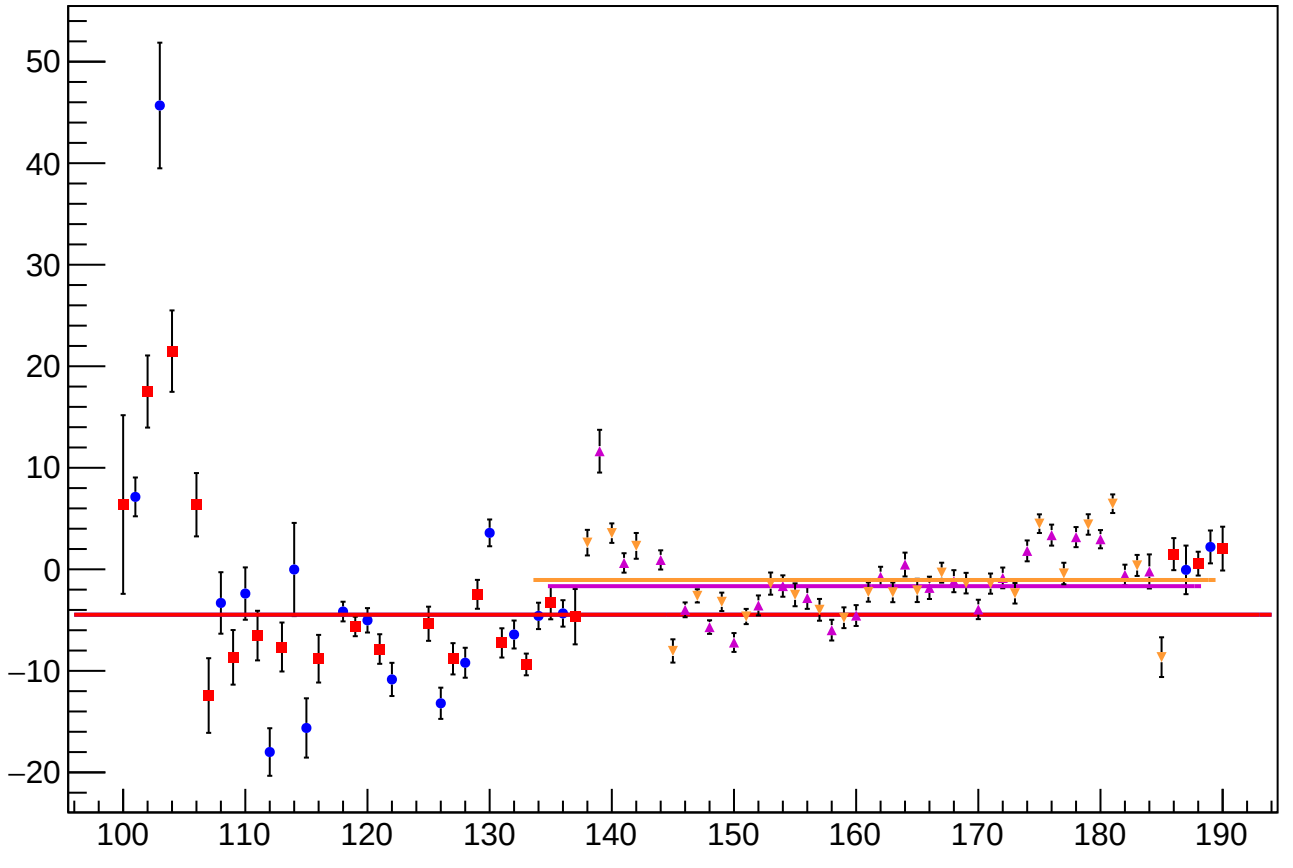
In: -1.567+/-0.287 χ^2/NDF:1805.3/40

Out: -1.154+/-0.280 χ^2/NDF:1629.8/44

All: -1.356+/-0.201 χ^2/NDF: 3436.2/85


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -19.448+/-0.033 χ²/NDF: 648515.4/17
Left Out: -28.513+/-0.015 χ²/NDF:333774.3/23
Right Out: -20.608+/-0.033 χ²/NDF: 552592.3/20
Left In: -28.495+/-0.015 χ²/NDF:287757.4/22
Left: -28.504+/-0.010 χ²/NDF: 621532.4/46
Right: -20.041+/-0.023 χ²/NDF: 1201724.0/38
In: -27.012+/-0.014 χ²/NDF:997478.4/40
Out: -27.173+/-0.013 χ²/NDF:934969.4/44
All: -27.093+/-0.010 χ²/NDF: 1932518.9/85


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -18.244+/-0.376 χ2/NDF: 1207.4/17
Left Out: -33.643+/-0.265 χ2/NDF:1015.9/23
Right Out: -18.397+/-0.346 χ2/NDF: 1932.7/20
Left In: -32.750+/-0.269 χ2/NDF:1143.5/22
Left: -33.202+/-0.189 χ2/NDF: 2165.0/46
Right: -18.327+/-0.255 χ2/NDF: 3140.2/38
In: -27.854+/-0.219 χ2/NDF:3335.6/40
Out: -28.003+/-0.210 χ2/NDF:4171.7/44
All: -27.932+/-0.152 χ2/NDF: 7507.6/85



Right In: -4.471+/-0.384 χ^2/NDF: 269.9/17

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -4.469+/-0.377 χ^2/NDF: 190.9/20

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

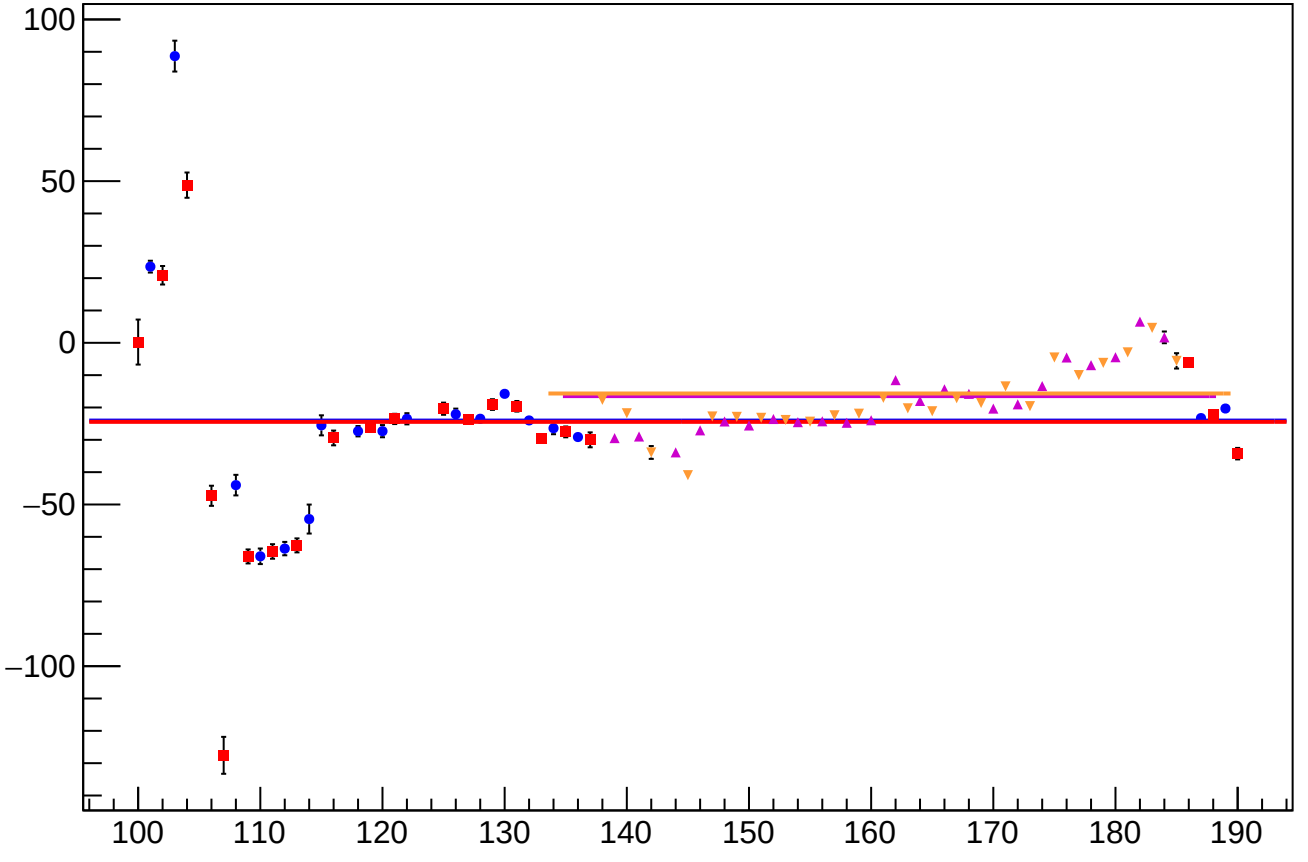
Right: -4.470+/-0.269 χ^2/NDF: 460.8/38

In: -2.289+/-0.182 χ^2/NDF:575.8/40

Out: -1.817+/-0.179 χ^2/NDF:544.0/44

All: -2.049+/-0.128 χ^2/NDF: 1123.2/85

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.050+/-0.403 χ^2/NDF: 2062.6/17

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.437+/-0.355 χ^2/NDF: 2422.9/20

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

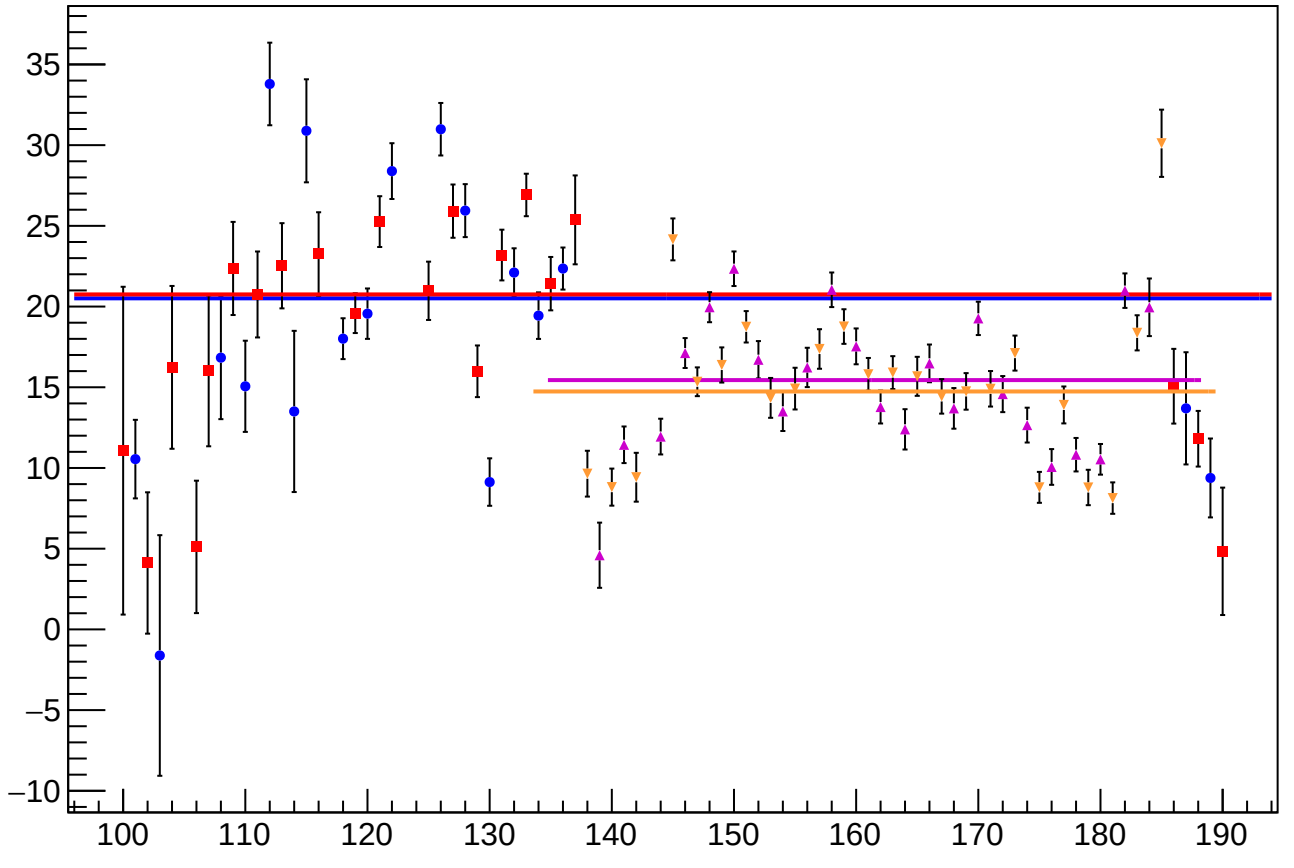
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.268+/-0.266 χ^2/NDF: 4486.1/38

In: -18.773+/-0.222 χ^2/NDF:4005.8/40

Out: -18.781+/-0.211 χ^2/NDF:4337.2/44

All: -18.778+/-0.153 χ^2/NDF: 8343.1/85



Right In: 20.509+/-0.447 χ^2/NDF: 235.4/17

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.752+/-0.449 χ^2/NDF: 137.7/20

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

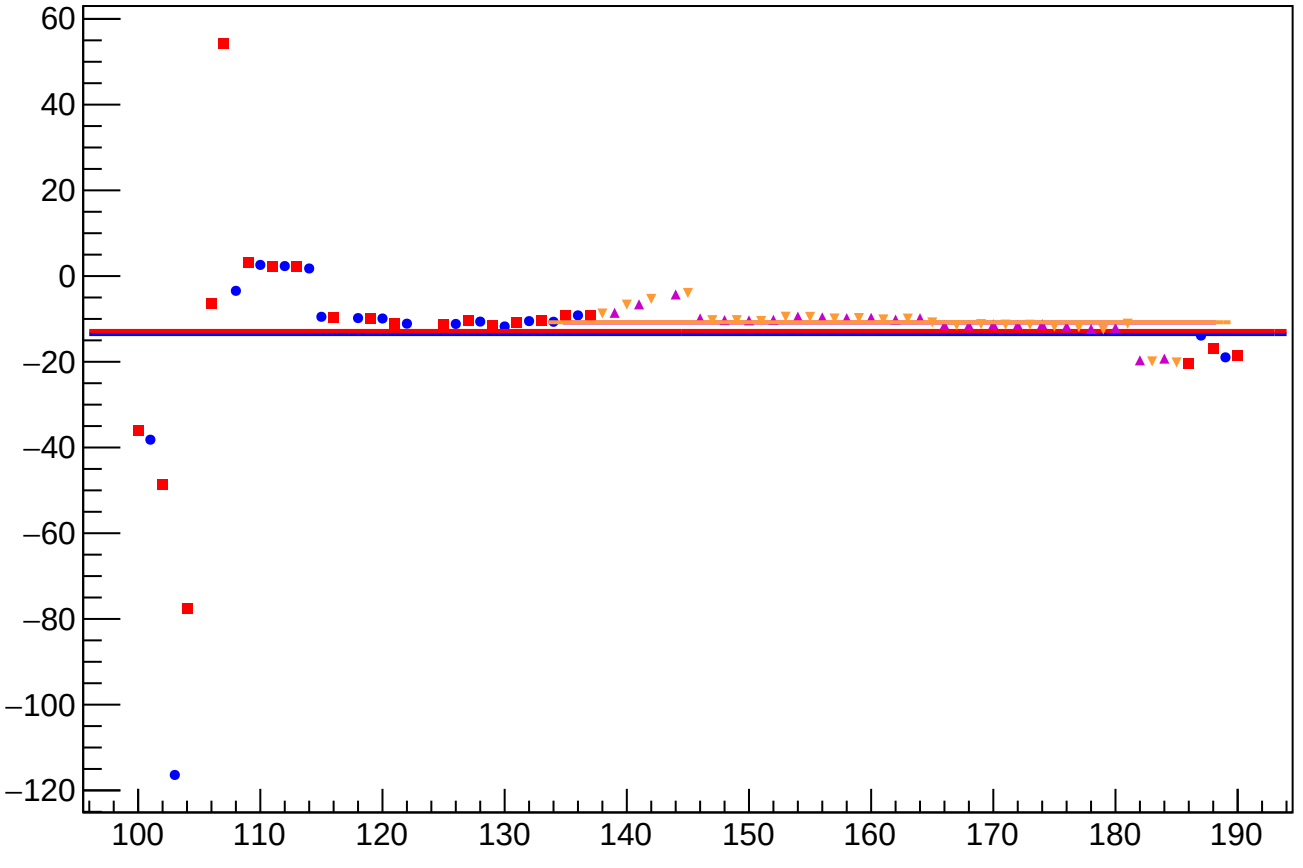
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 20.630+/-0.317 χ^2/NDF: 373.2/38

In: 16.529+/-0.207 χ^2/NDF:626.9/40

Out: 15.984+/-0.204 χ^2/NDF:610.8/44

All: 16.253+/-0.145 χ^2/NDF: 1241.2/85



Right In: -13.538+/-0.027 χ^2/NDF: 348189.5/17

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -12.799+/-0.028 χ^2/NDF: 322325.9/20

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

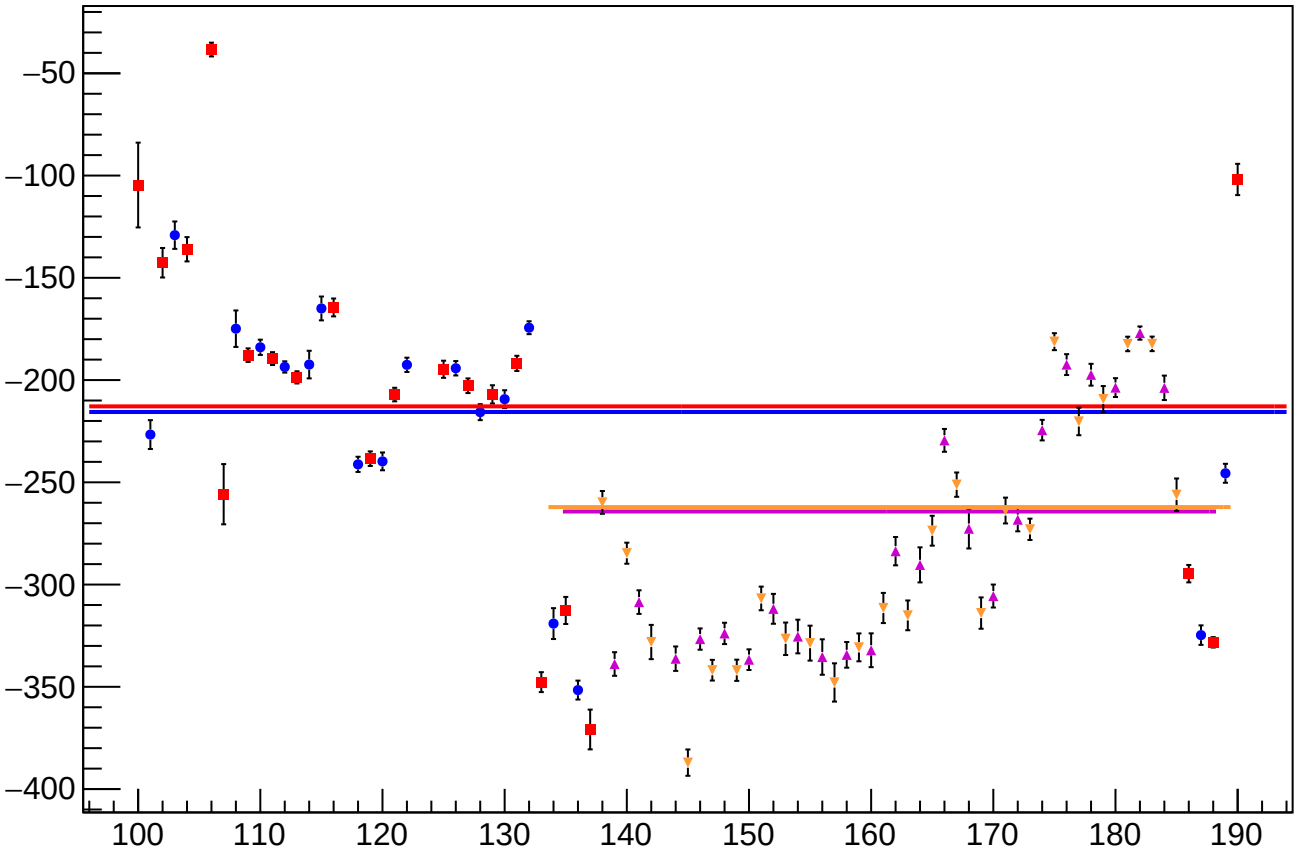
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -13.179+/-0.019 χ^2/NDF: 670879.8/38

In: -11.178+/-0.010 χ^2/NDF:431042.0/40

Out: -11.022+/-0.010 χ^2/NDF:411741.9/44

All: -11.100+/-0.007 χ^2/NDF: 842915.0/85



Right In: -215.618+/-1.016 χ^2/NDF: 2358.6/17

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -212.862+/-0.903 χ^2/NDF: 7237.1/20

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

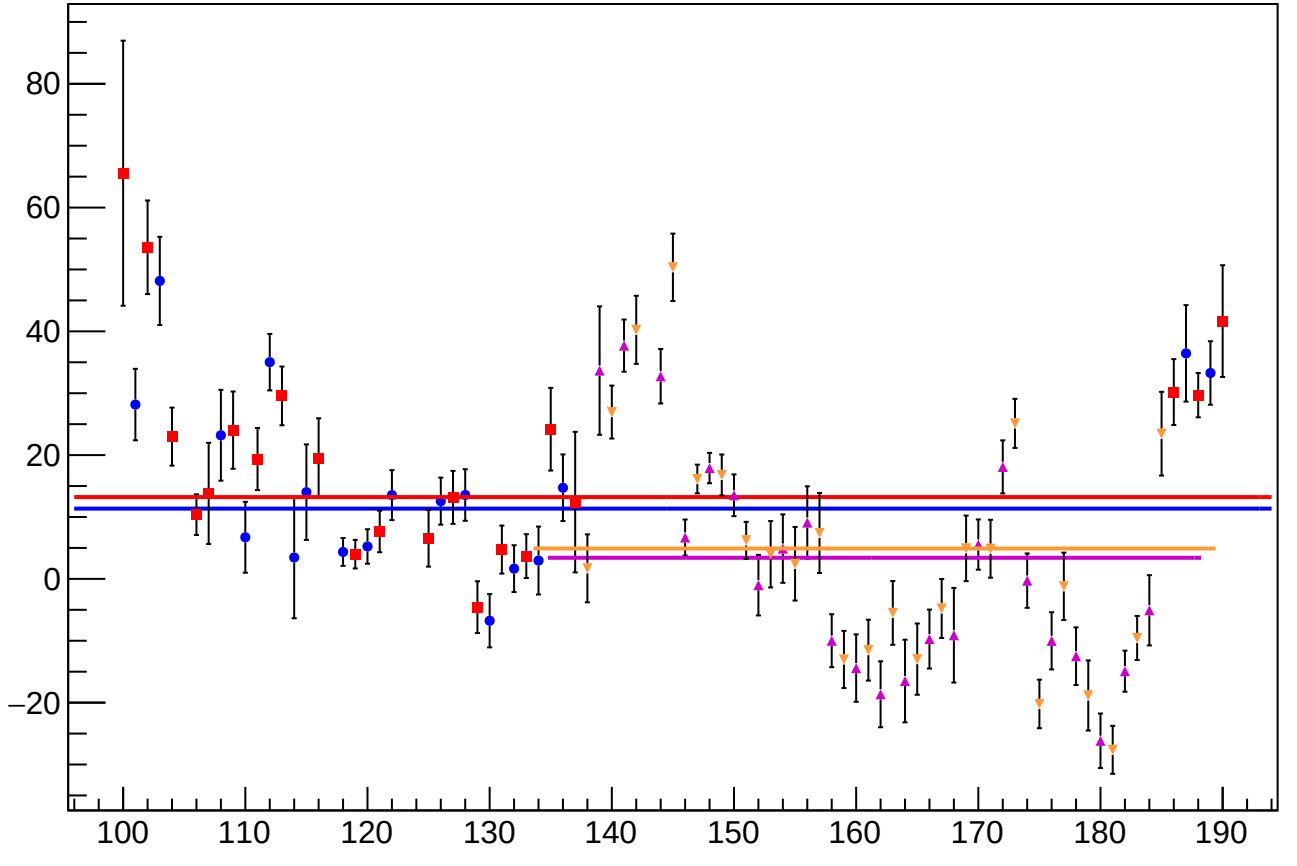
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -214.078+/-0.675 χ^2/NDF: 9599.9/38

In: -236.208+/-0.771 χ^2/NDF:6071.9/40

Out: -231.051+/-0.717 χ^2/NDF:11301.5/44

All: -233.441+/-0.525 χ^2/NDF: 17397.4/85



Right In: 11.352+/-1.034 χ^2/NDF: 136.9/17

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 13.217+/-0.979 χ^2/NDF: 151.7/20

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

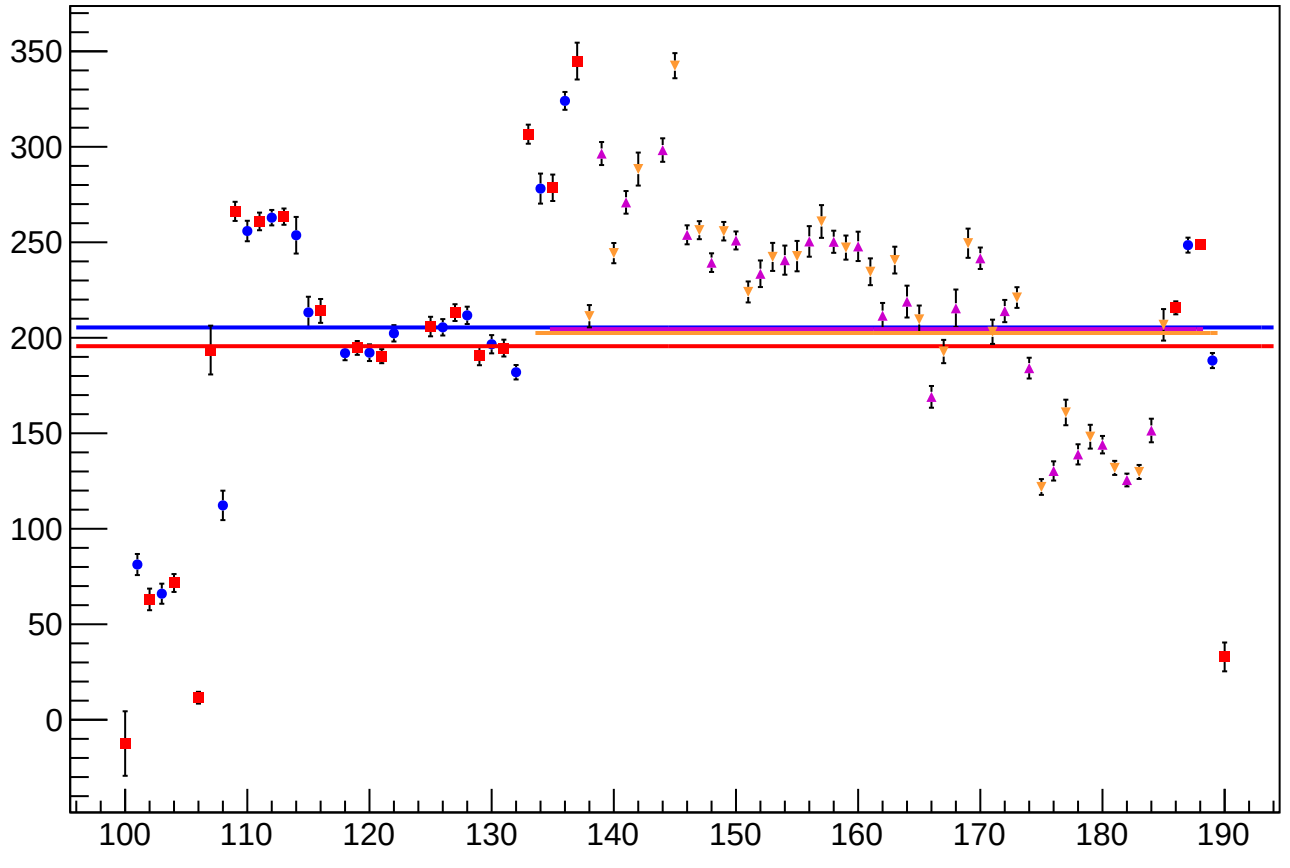
Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

Right: 12.336+/-0.711 χ^2/NDF: 290.4/38

In: 6.837+/-0.679 χ^2/NDF:503.8/40

Out: 8.652+/-0.657 χ^2/NDF:590.2/44

All: 7.774+/-0.472 χ^2/NDF: 1097.7/85



Right In: 205.416+/-1.122 χ^2/NDF: 2608.4/17

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 195.599+/-0.952 χ^2/NDF: 7679.3/20

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

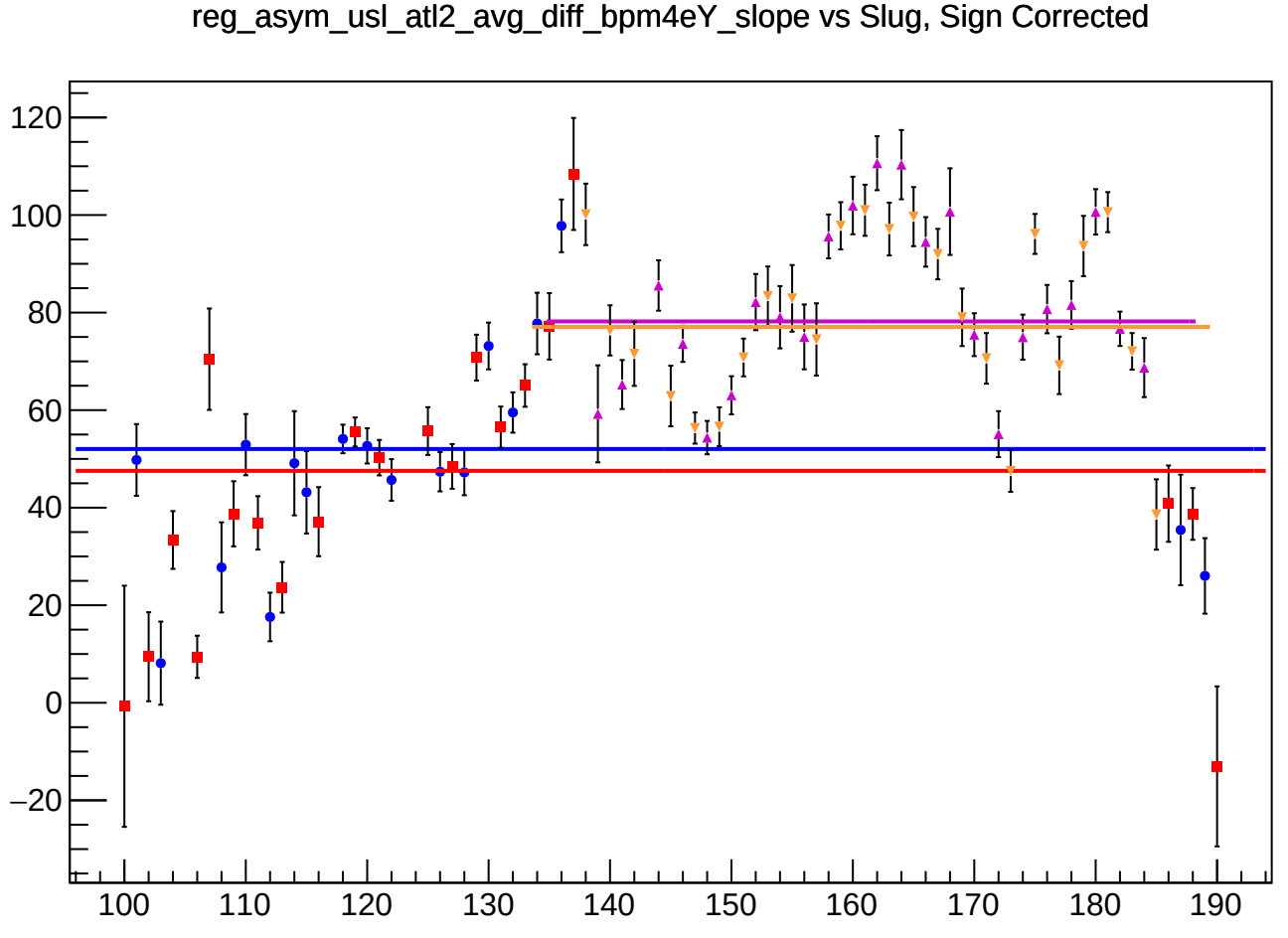
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 199.708+/-0.726 χ^2/NDF: 10332.2/38

In: 205.008+/-0.812 χ^2/NDF:4894.3/40

Out: 198.344+/-0.739 χ^2/NDF:10093.8/44

All: 201.363+/-0.547 χ^2/NDF: 15024.9/85



Right In: 52.031+/-1.219 χ^2/NDF: 212.2/17

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 47.552+/-1.167 χ^2/NDF: 257.8/20

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

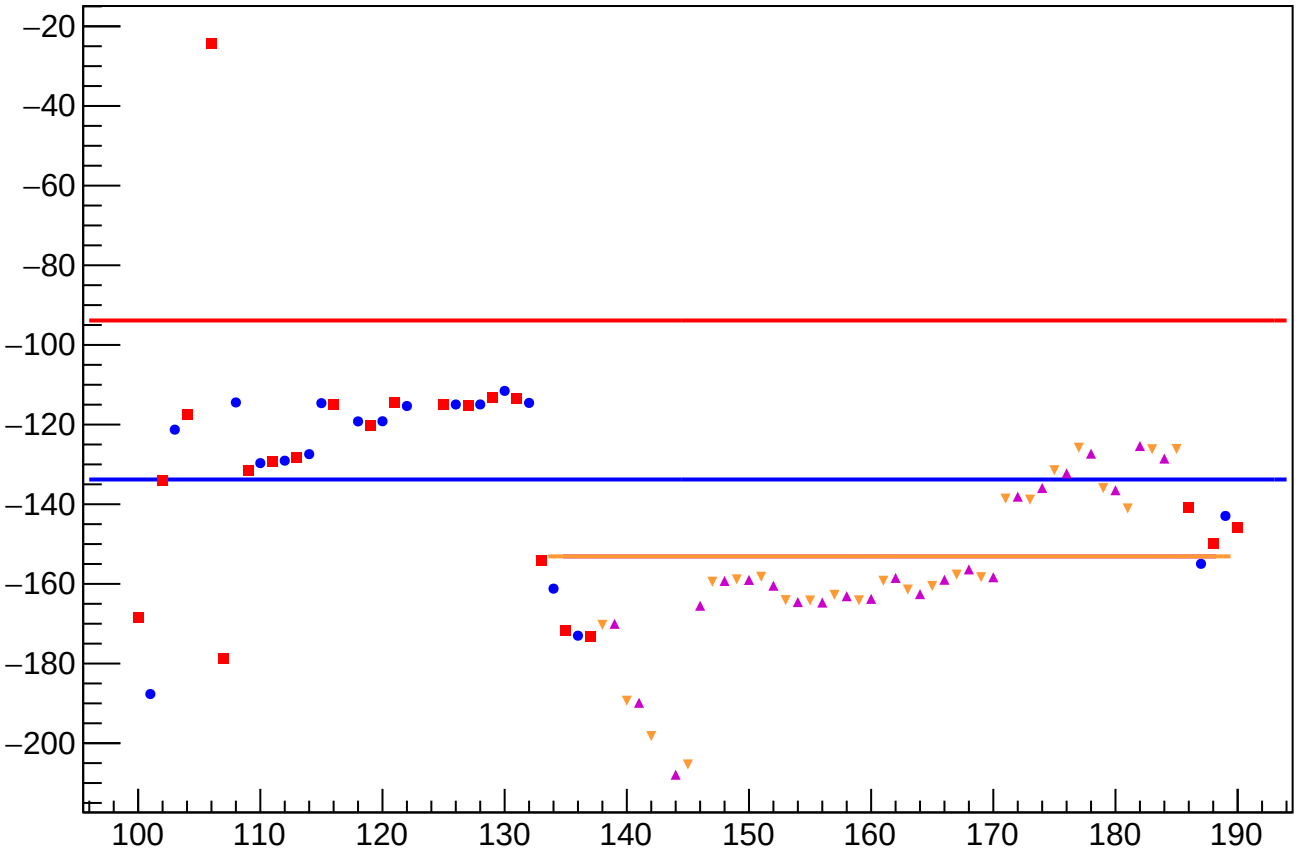
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 49.695+/-0.843 χ^2/NDF: 477.1/38

In: 67.345+/-0.785 χ^2/NDF:714.5/40

Out: 64.353+/-0.766 χ^2/NDF:932.9/44

All: 65.813+/-0.548 χ^2/NDF: 1654.8/85



Right In: -133.788+/-0.078 χ^2/NDF: 95569.2/17

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -93.860+/-0.061 χ^2/NDF: 797564.1/20

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

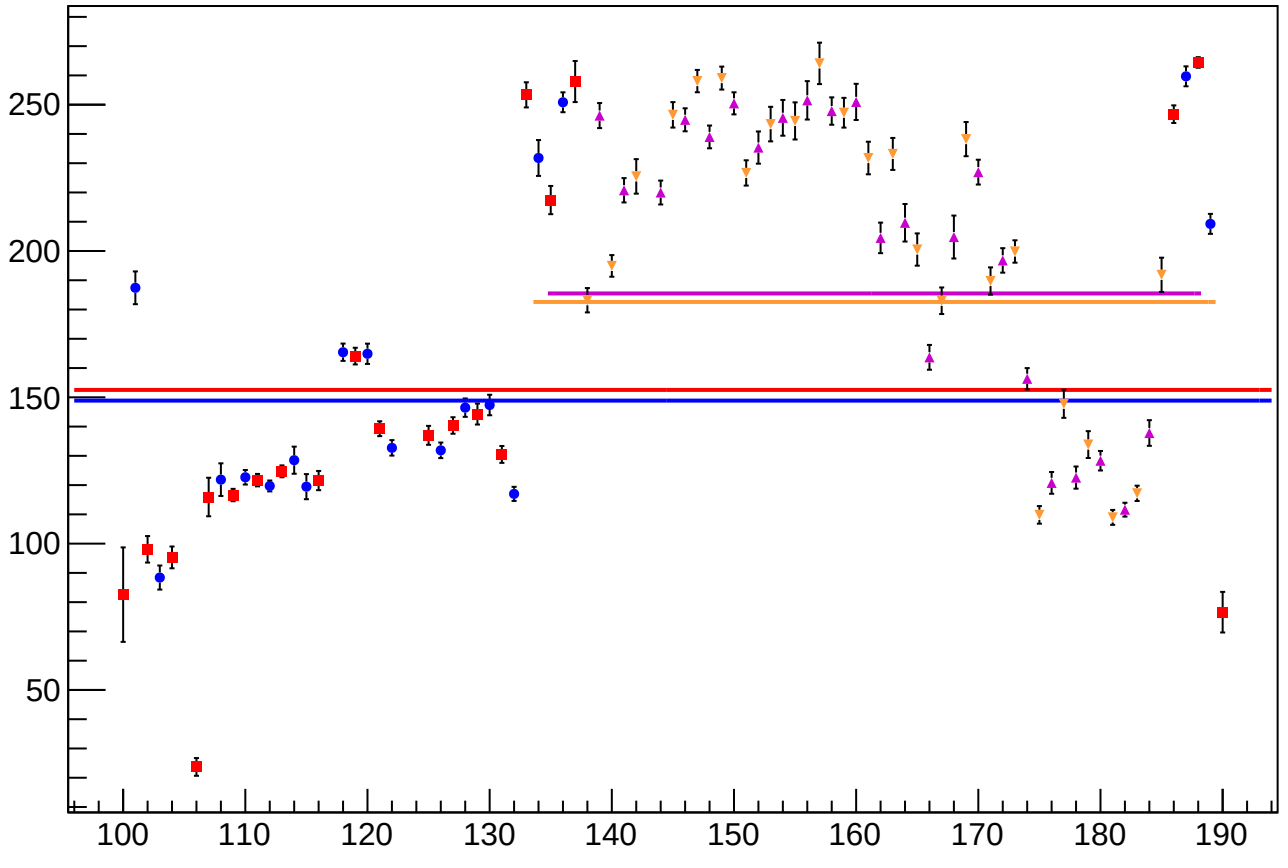
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -109.088+/-0.048 χ^2/NDF: 1054020.1/38

In: -148.045+/-0.040 χ^2/NDF:307135.2/40

Out: -131.288+/-0.037 χ^2/NDF:1561729.6/44

All: -139.067+/-0.027 χ^2/NDF: 1962580.2/85



Right In: 148.878+/-0.746 χ^2/NDF: 3469.9/17

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 152.530+/-0.661 χ^2/NDF: 9045.5/20

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

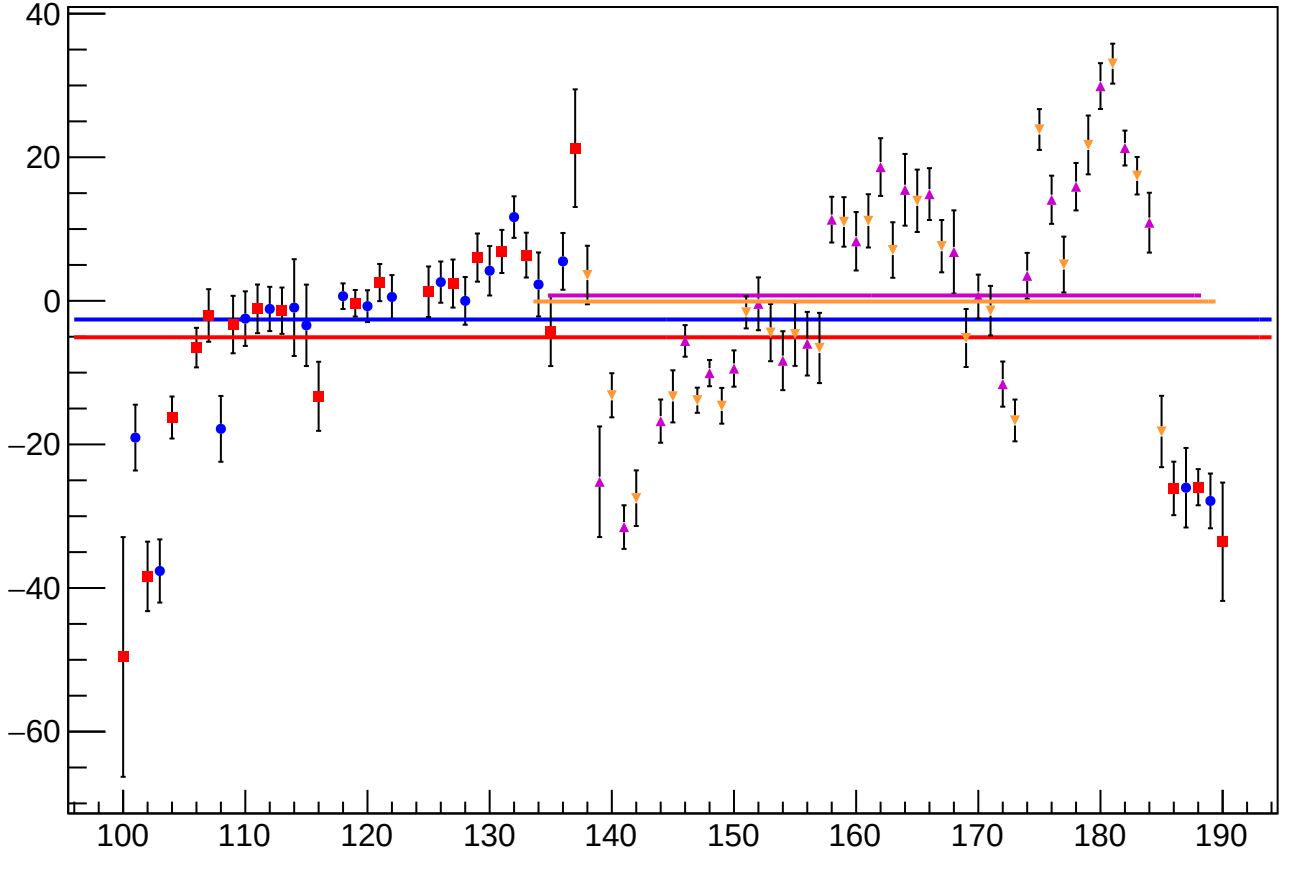
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 150.925+/-0.495 χ^2/NDF: 12528.9/38

In: 164.347+/-0.567 χ^2/NDF:8309.7/40

Out: 163.589+/-0.525 χ^2/NDF:13959.7/44

All: 163.939+/-0.385 χ^2/NDF: 22270.3/85



Right In: -2.596+/-0.783 χ^2/NDF: 191.9/17

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -5.076+/-0.731 χ^2/NDF: 262.5/20

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

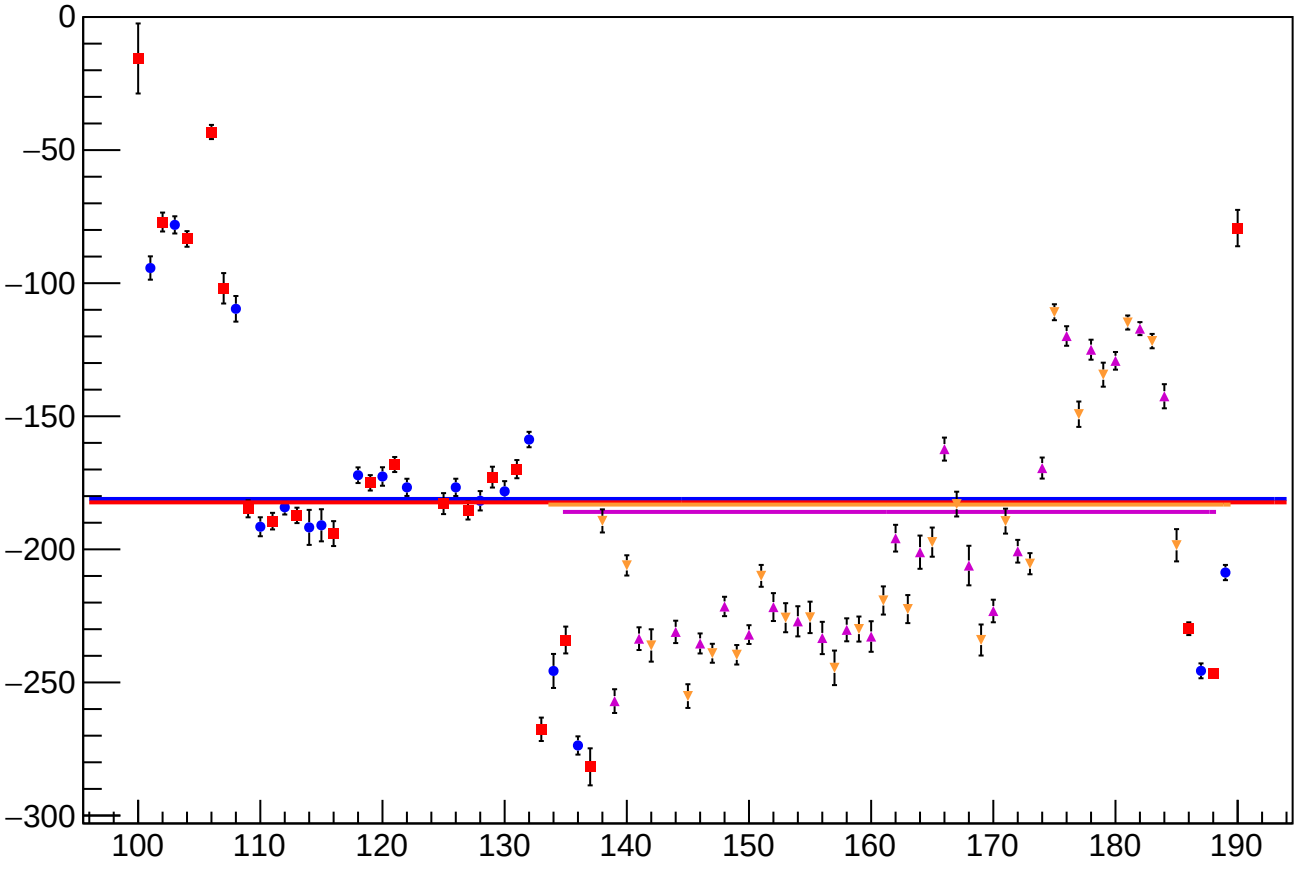
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -3.922+/-0.534 χ^2/NDF: 459.8/38

In: -0.655+/-0.507 χ^2/NDF:700.3/40

Out: -2.312+/-0.488 χ^2/NDF:843.6/44

All: -1.516+/-0.351 χ^2/NDF: 1549.4/85



Right In: -181.067+/-0.826 χ^2/NDF: 3180.0/17

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -182.347+/-0.697 χ^2/NDF: 8413.5/20

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

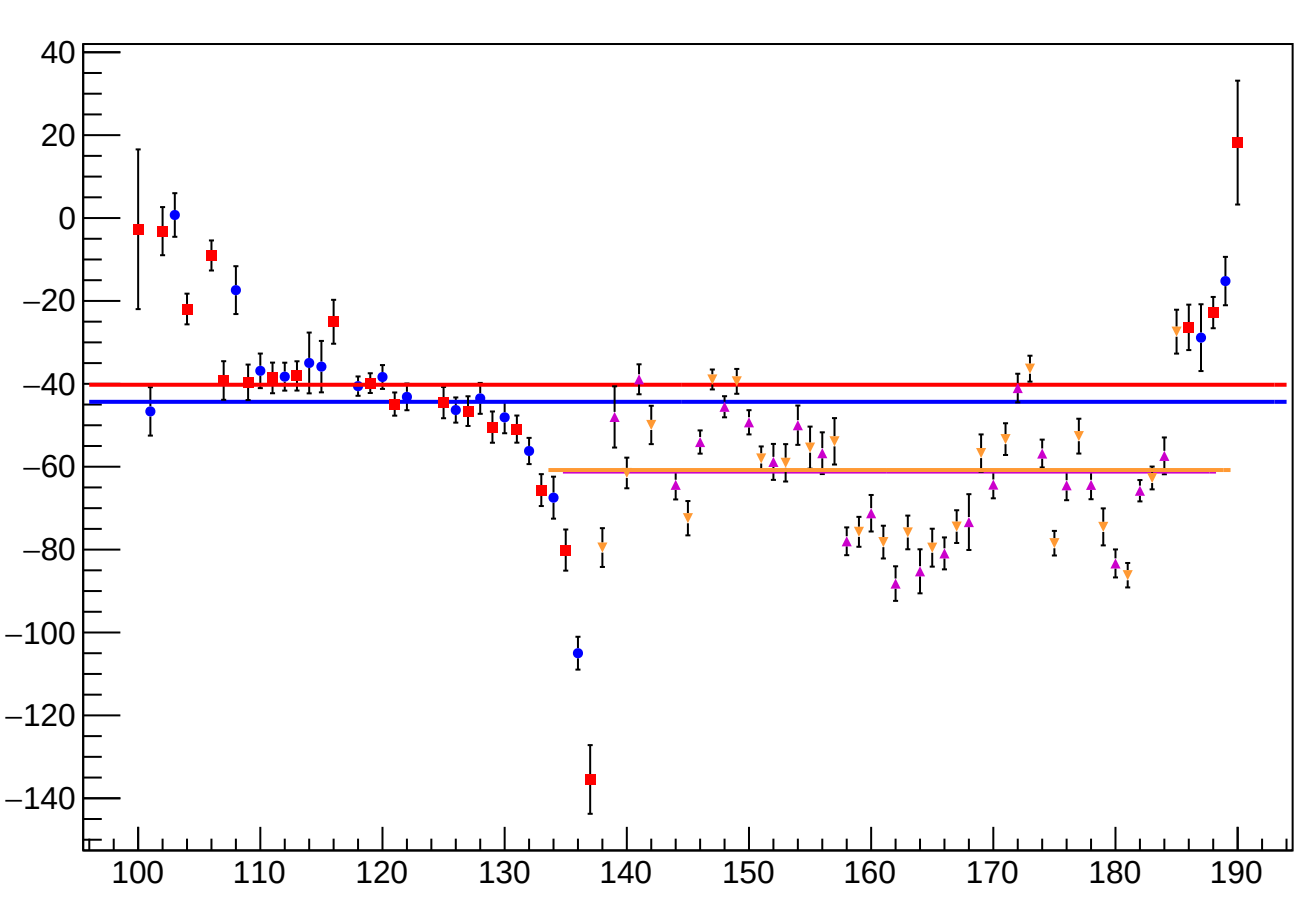
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -181.815+/-0.532 χ^2/NDF: 11594.9/38

In: -183.383+/-0.598 χ^2/NDF:6378.1/40

Out: -182.674+/-0.542 χ^2/NDF:11775.3/44

All: -182.994+/-0.402 χ^2/NDF: 18154.1/85



Right In: -44.343+/-0.920 χ^2/NDF: 411.7/17

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -40.225+/-0.871 χ^2/NDF: 460.3/20

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

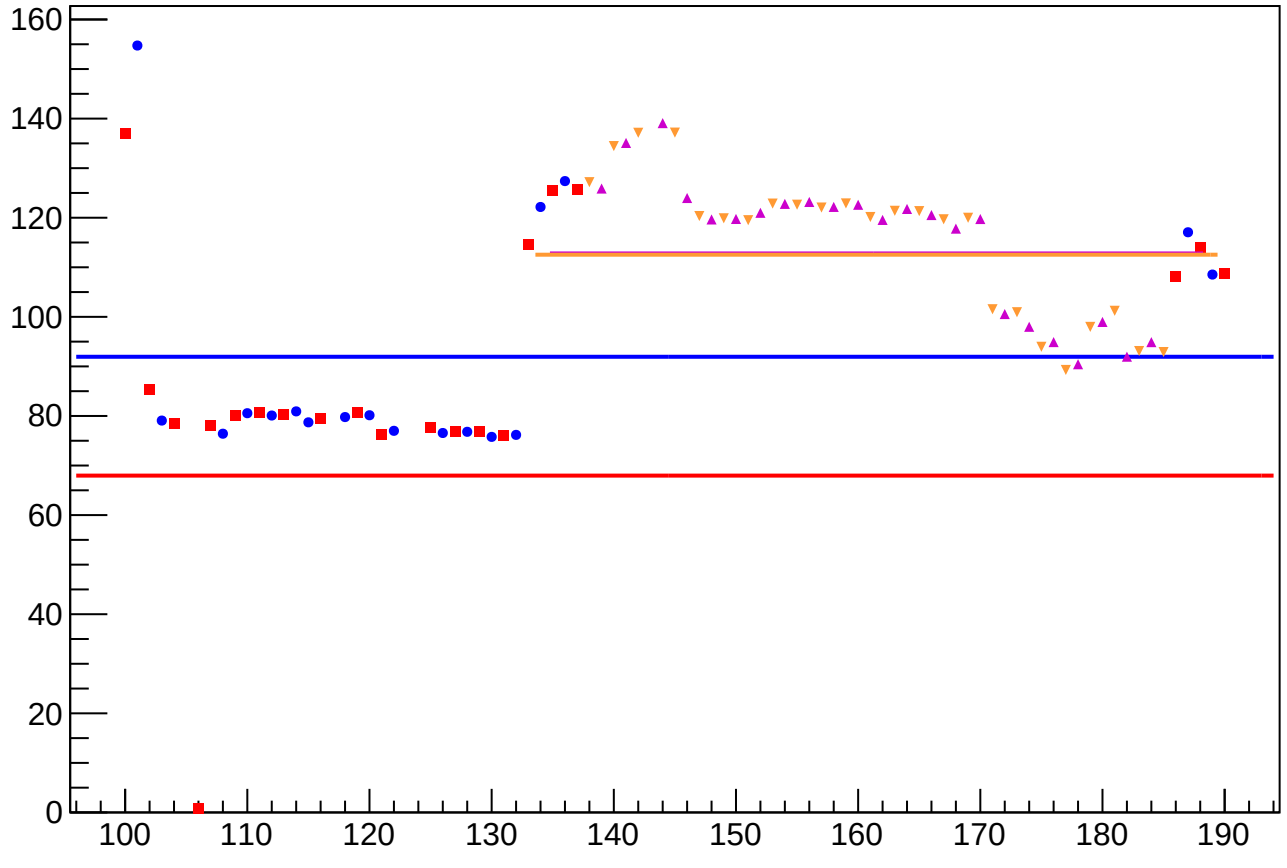
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -42.173+/-0.633 χ^2/NDF: 882.6/38

In: -54.377+/-0.584 χ^2/NDF:928.3/40

Out: -52.058+/-0.568 χ^2/NDF:1255.1/44

All: -53.184+/-0.407 χ^2/NDF: 2191.4/85



Right In: 91.945+/-0.057 χ^2/NDF: 168566.9/17

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 67.966+/-0.047 χ^2/NDF: 738812.2/20

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

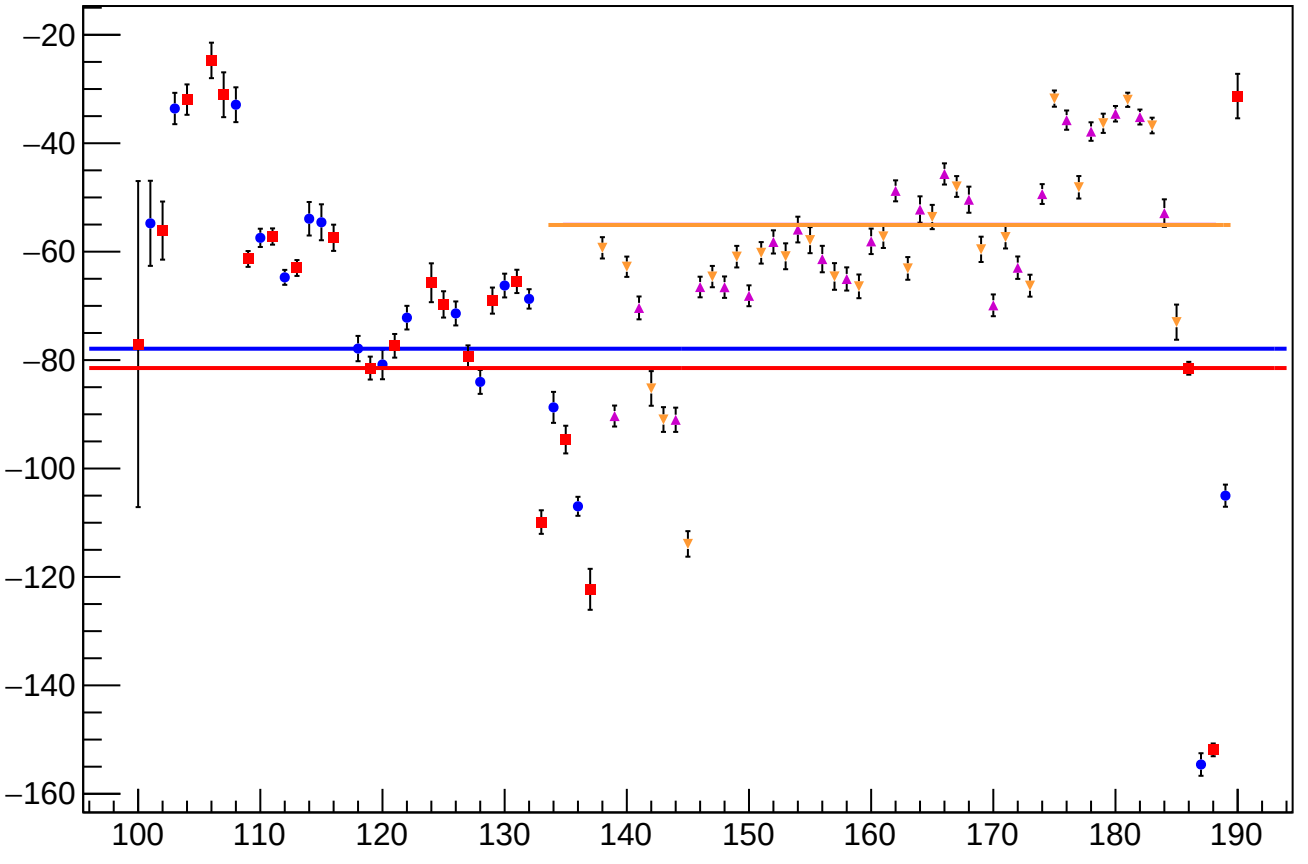
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 77.801+/-0.036 χ^2/NDF: 1012961.5/38

In: 107.174+/-0.029 χ^2/NDF:439073.4/40

Out: 96.995+/-0.028 χ^2/NDF:1492642.9/44

All: 101.815+/-0.020 χ^2/NDF: 1994711.6/85



Right In: -77.902+/-0.521 χ^2/NDF: 2690.6/17

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.468+/-0.443 χ^2/NDF: 5648.7/21

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

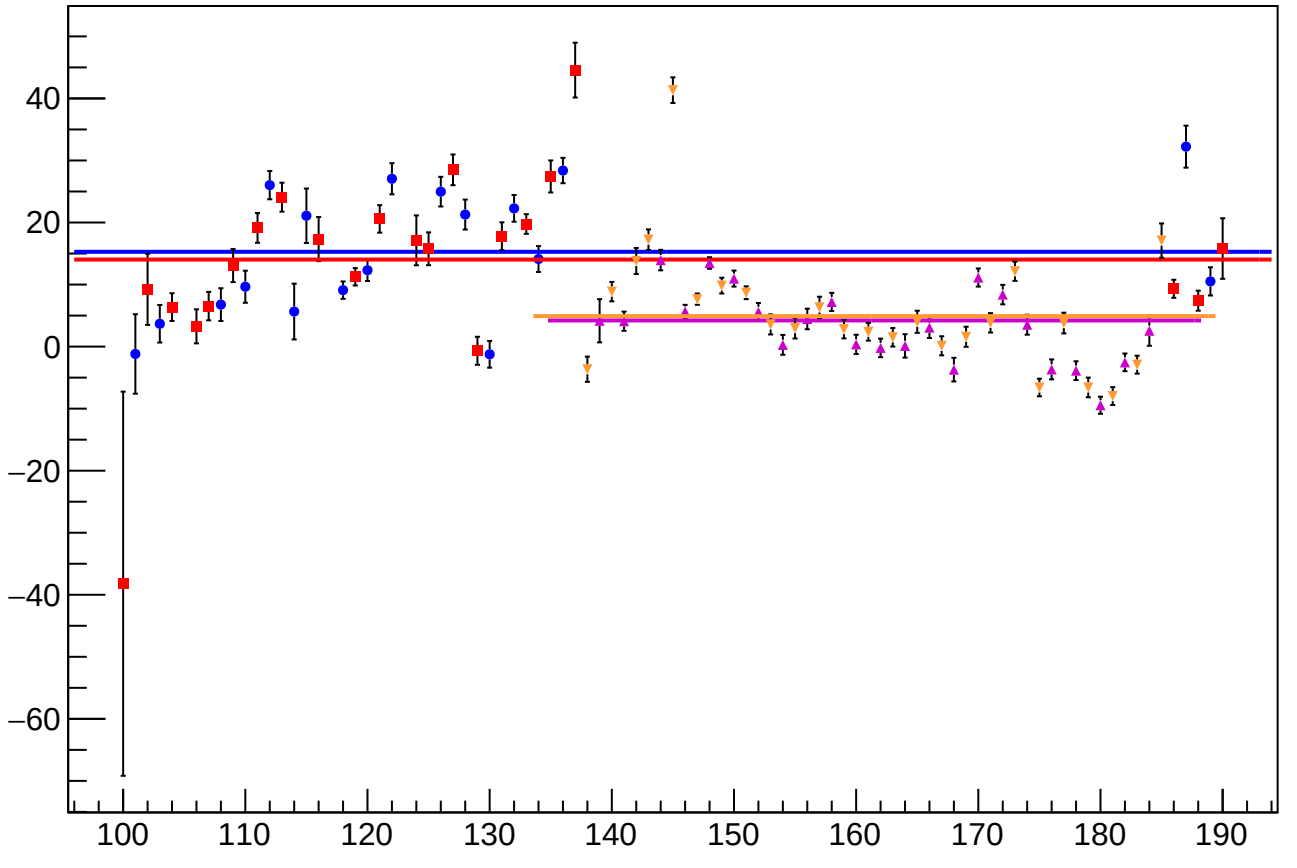
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.972+/-0.337 χ^2/NDF: 8366.6/39

In: -63.803+/-0.322 χ^2/NDF:5419.7/40

Out: -66.948+/-0.297 χ^2/NDF:9604.3/46

All: -65.504+/-0.218 χ^2/NDF: 15075.5/87



Right In: 15.280+/-0.555 χ^2/NDF: 272.0/17

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.030+/-0.493 χ^2/NDF: 273.6/21

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

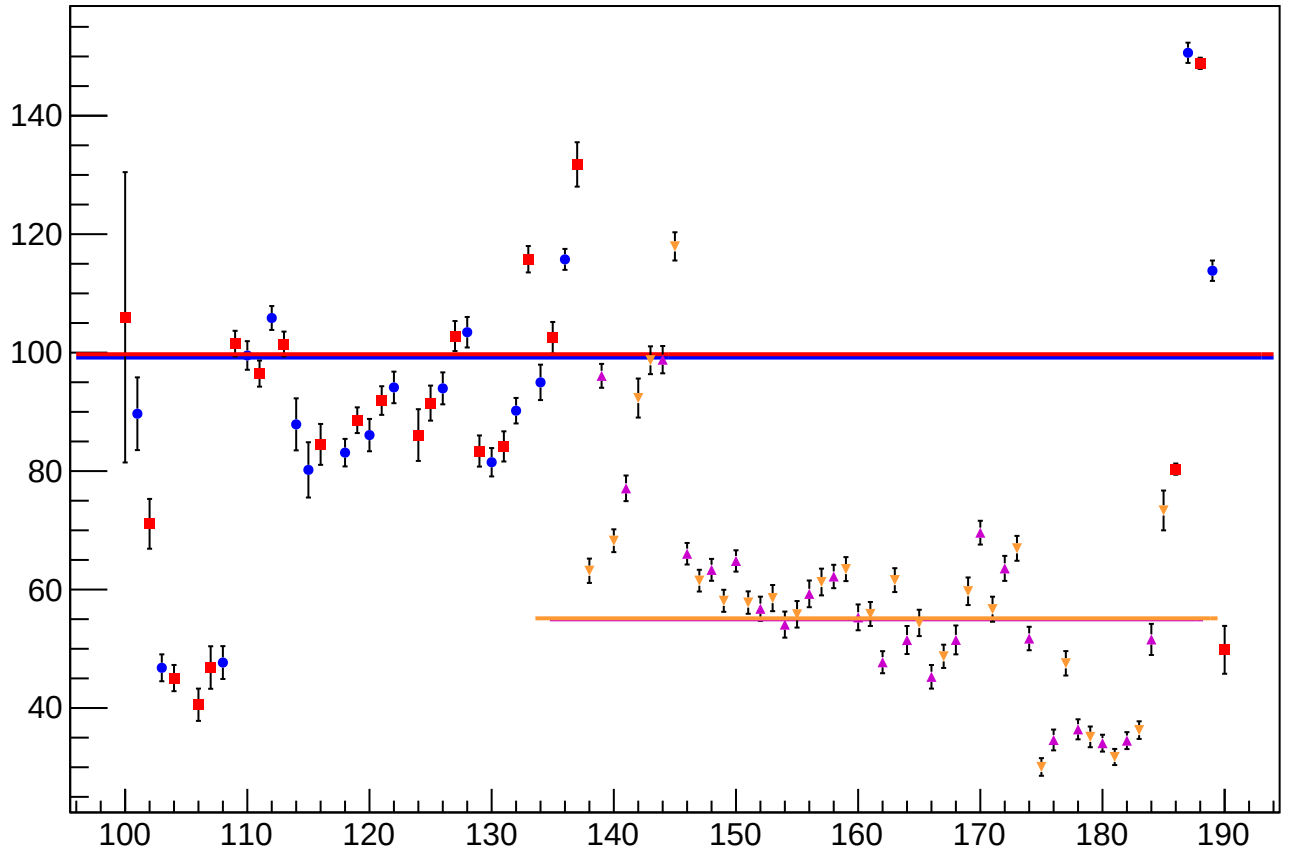
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.581+/-0.369 χ^2/NDF: 548.5/39

In: 6.875+/-0.272 χ^2/NDF:988.8/40

Out: 7.388+/-0.257 χ^2/NDF:1263.9/46

All: 7.146+/-0.187 χ^2/NDF: 2254.5/87



Right In: 99.167+/-0.566 χ^2/NDF: 2134.8/17

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 99.730+/-0.451 χ^2/NDF: 4880.2/21

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

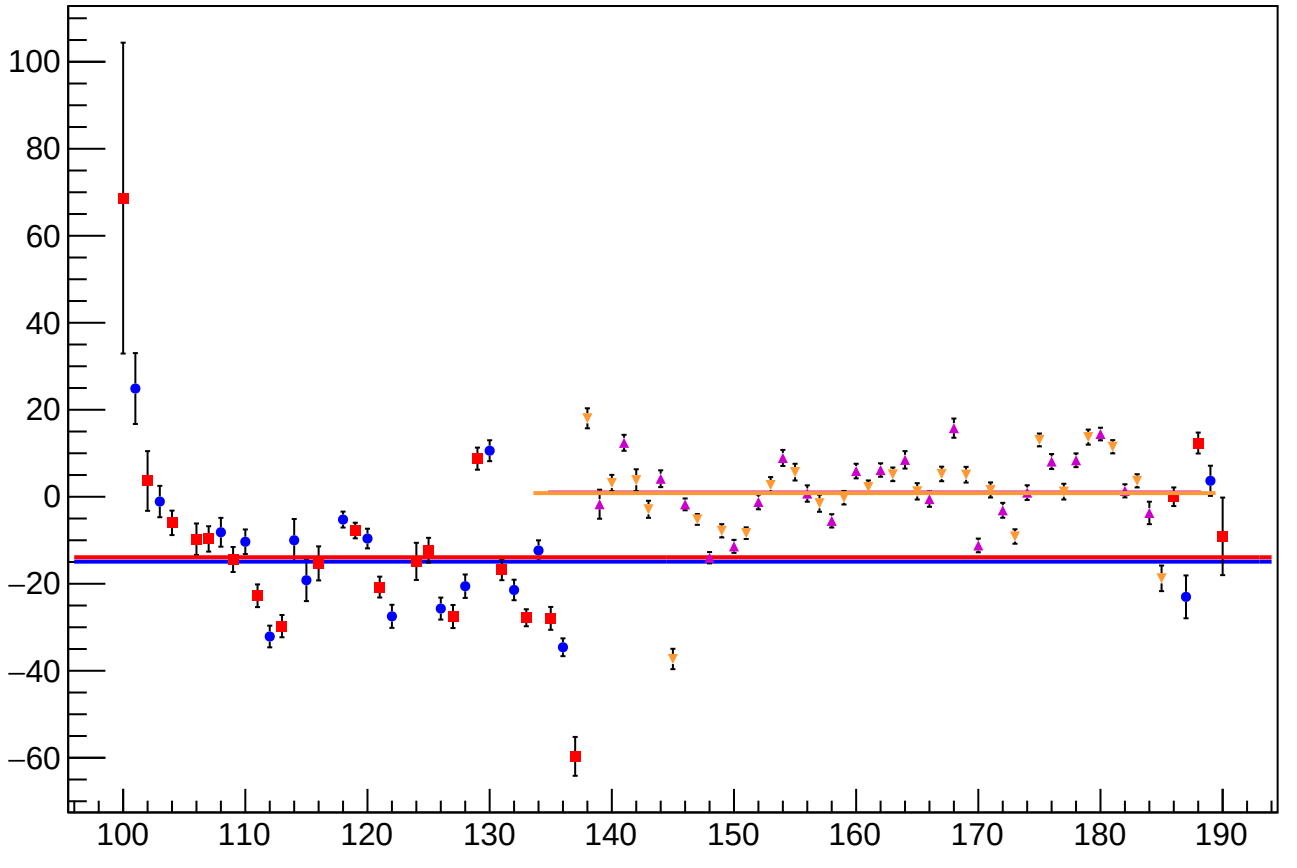
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 99.511+/-0.353 χ^2/NDF: 7015.6/39

In: 69.951+/-0.330 χ^2/NDF:7939.5/40

Out: 74.599+/-0.298 χ^2/NDF:12629.5/46

All: 72.510+/-0.221 χ^2/NDF: 20678.4/87



Right In: -14.914+/-0.648 χ^2/NDF: 418.7/17

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -13.904+/-0.596 χ^2/NDF: 546.7/21

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

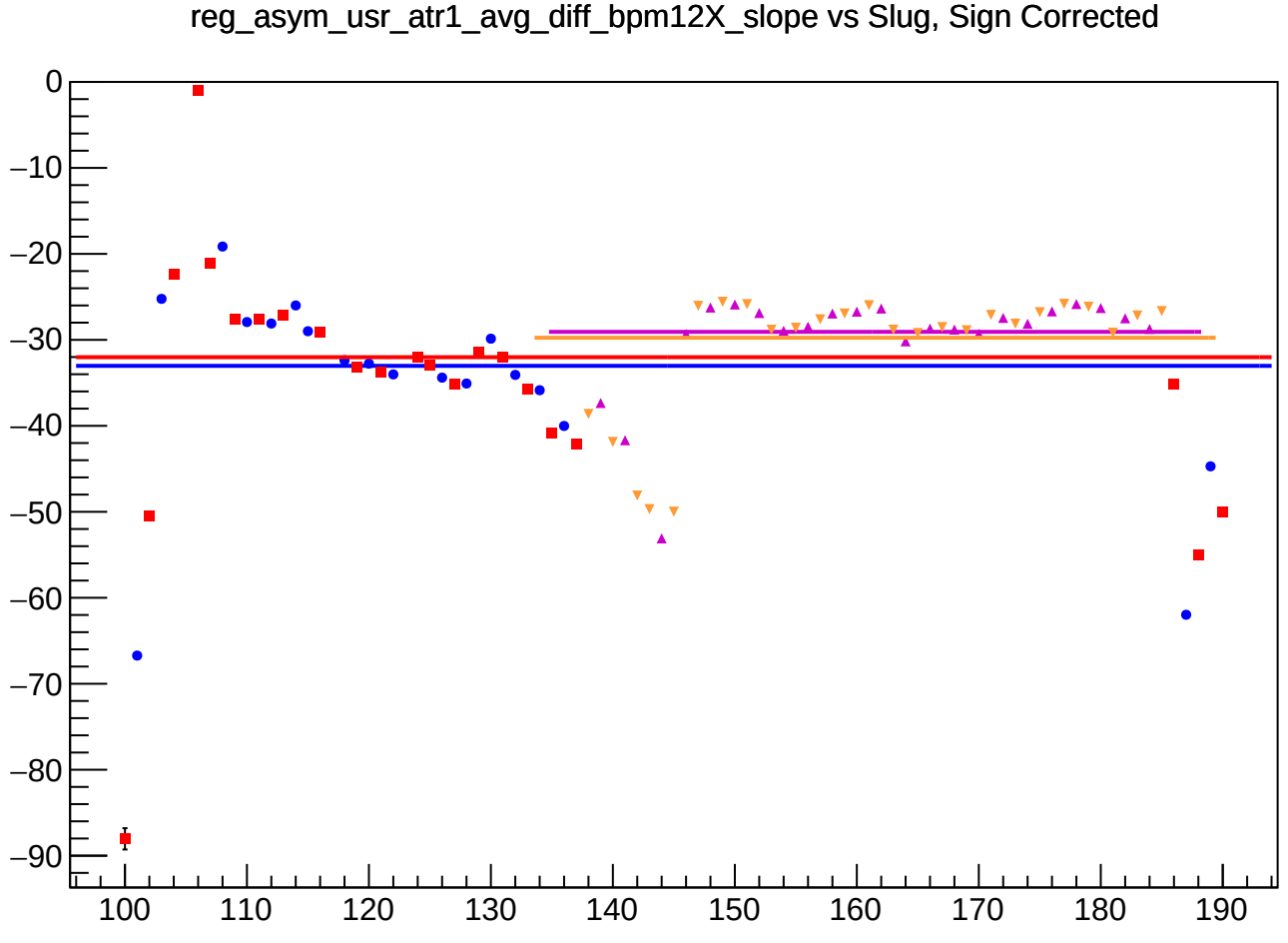
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -14.367+/-0.439 χ^2/NDF: 966.7/39

In: -2.665+/-0.310 χ^2/NDF:1441.2/40

Out: -2.829+/-0.297 χ^2/NDF:1724.0/46

All: -2.750+/-0.215 χ^2/NDF: 3165.4/87



Right In: -33.025+/-0.037 χ^2/NDF: 57673.4/17

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -32.017+/-0.035 χ^2/NDF: 139808.6/21

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

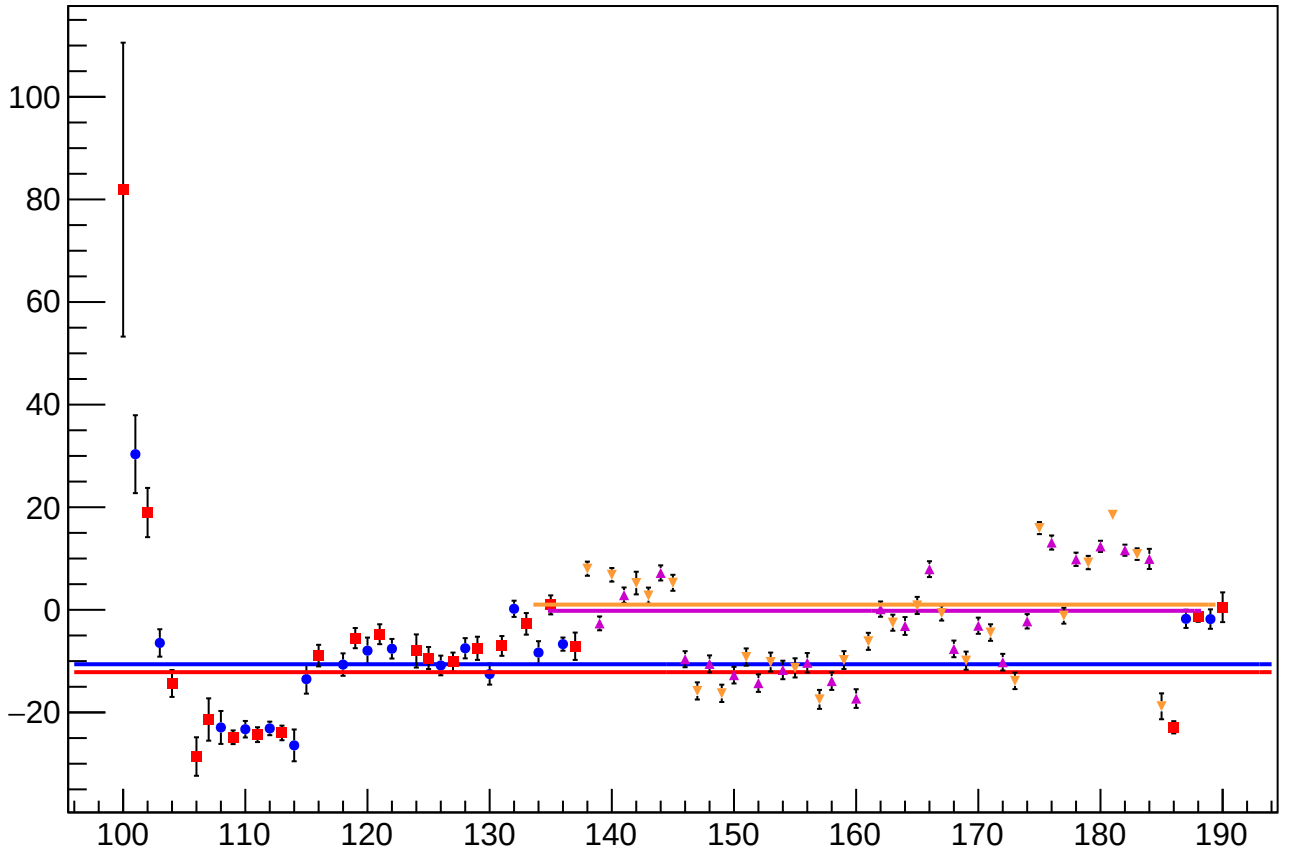
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -32.498+/-0.026 χ^2/NDF: 197869.9/39

In: -29.677+/-0.015 χ^2/NDF:168888.1/40

Out: -30.121+/-0.014 χ^2/NDF:306783.4/46

All: -29.903+/-0.010 χ^2/NDF: 476147.8/87



Right In: -10.607+/-0.464 χ^2/NDF: 335.4/17

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -12.151+/-0.404 χ^2/NDF: 639.7/21

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

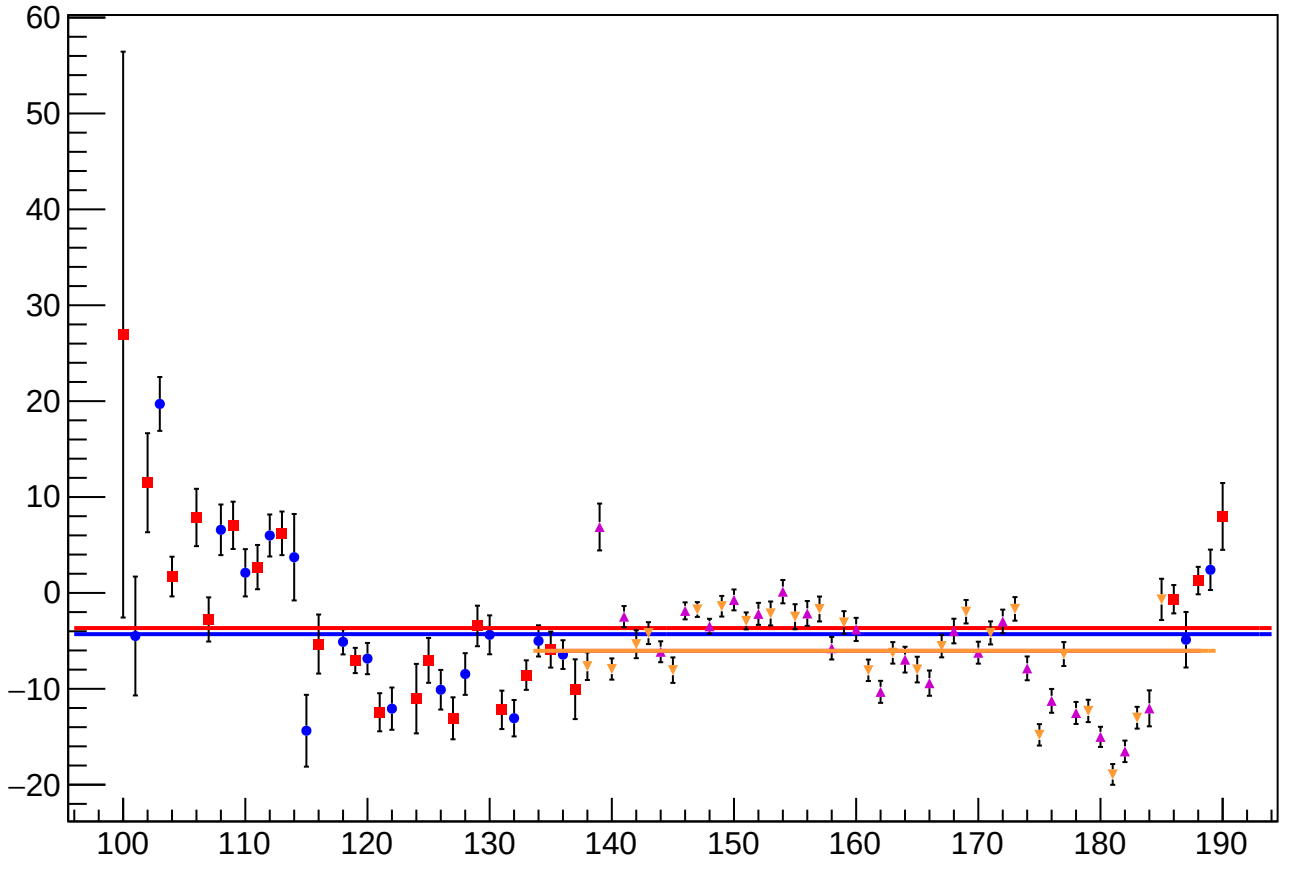
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -11.485+/-0.305 χ^2/NDF: 981.4/39

In: -3.473+/-0.260 χ^2/NDF:1663.6/40

Out: -3.760+/-0.243 χ^2/NDF:2651.7/46

All: -3.626+/-0.178 χ^2/NDF: 4315.9/87



Right In: -4.300+/-0.495 χ^2/NDF: 189.8/17

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -3.665+/-0.455 χ^2/NDF: 189.0/21

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

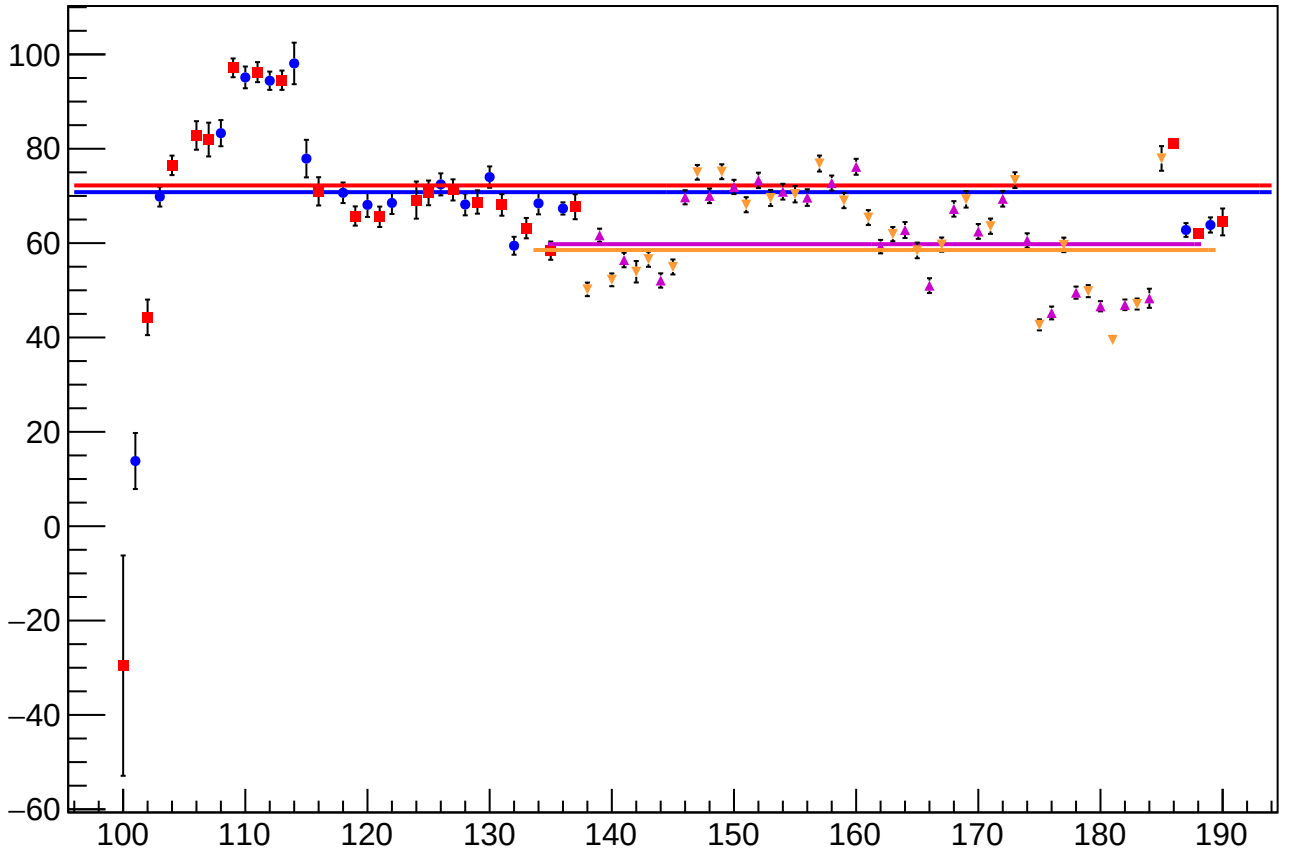
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -3.956+/-0.335 χ^2/NDF: 379.7/39

In: -5.705+/-0.218 χ^2/NDF:596.0/40

Out: -5.542+/-0.208 χ^2/NDF:625.4/46

All: -5.619+/-0.150 χ^2/NDF: 1221.8/87



Right In: 70.802+/-0.501 χ^2/NDF: 513.0/17

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 72.225+/-0.413 χ^2/NDF: 842.7/21

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

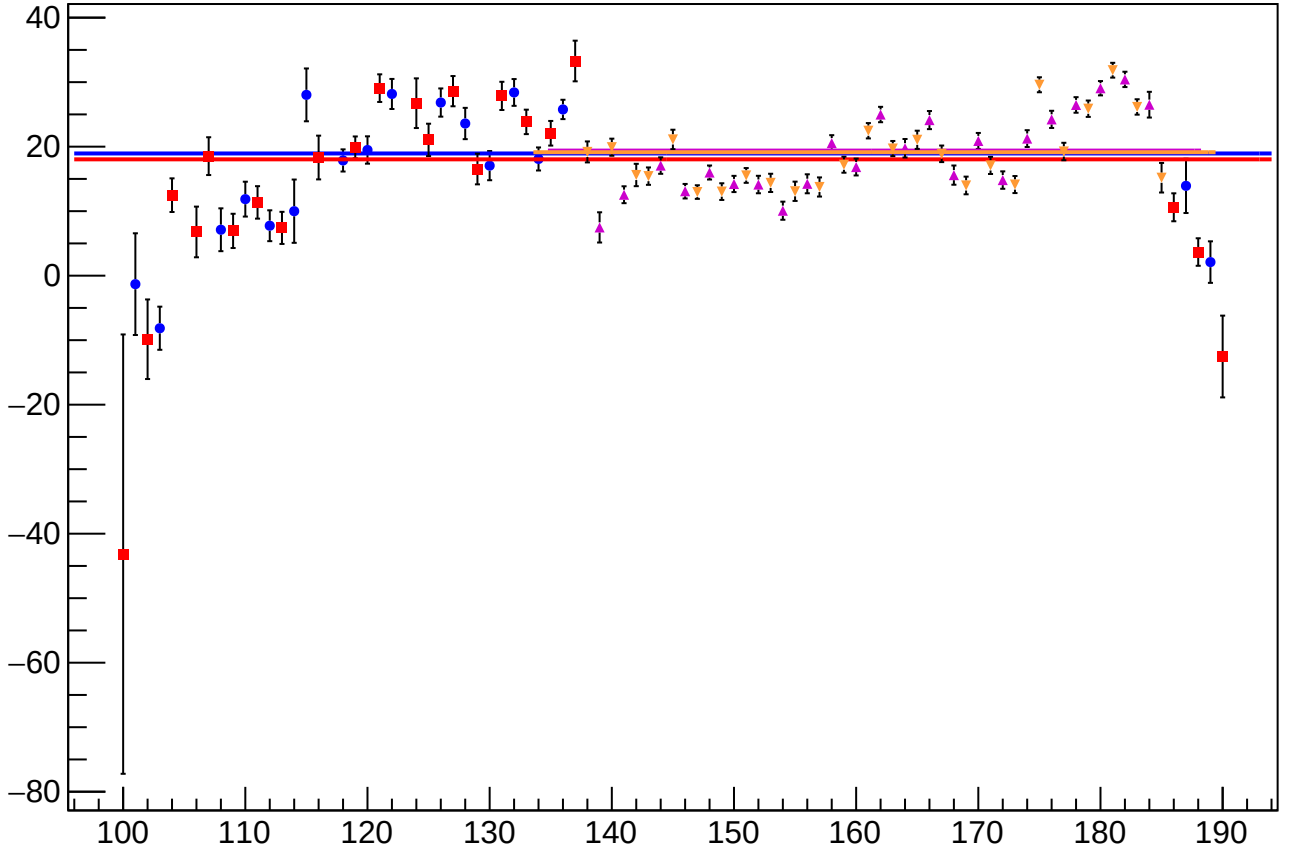
Right: 71.650+/-0.318 χ^2/NDF: 1360.5/39

In: 62.852+/-0.265 χ^2/NDF:1932.8/40

Out: 63.329+/-0.244 χ^2/NDF:3007.2/46

All: 63.110+/-0.179 χ^2/NDF: 4941.7/87

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 18.944+/-0.571 χ^2/NDF: 226.0/17

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 18.034+/-0.544 χ^2/NDF: 272.1/21

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

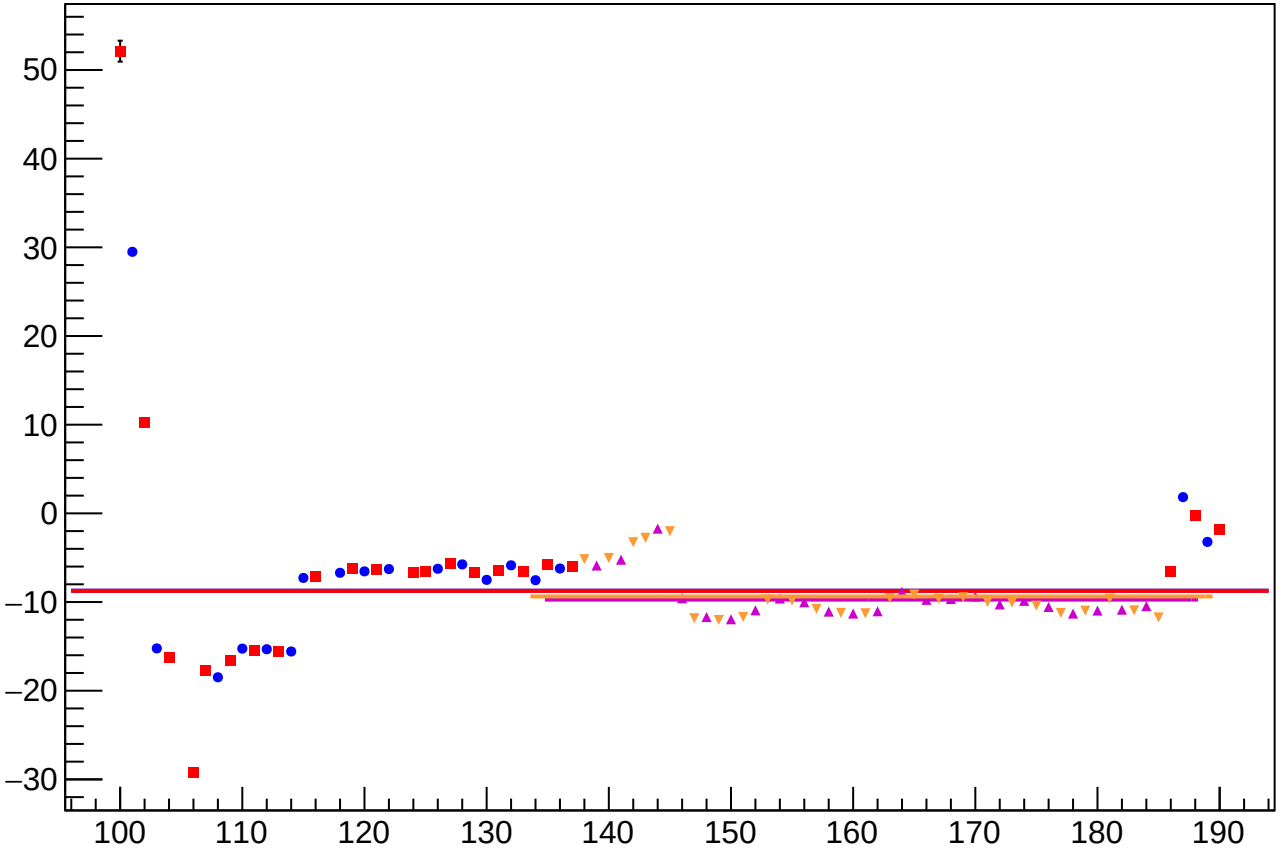
Right: 18.468+/-0.394 χ^2/NDF: 499.4/39

In: 19.306+/-0.247 χ^2/NDF:694.2/40

Out: 18.928+/-0.238 χ^2/NDF:709.2/46

All: 19.110+/-0.171 χ^2/NDF: 1404.6/87

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.720+/-0.032 χ^2/NDF: 35020.8/17

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -8.738+/-0.032 χ^2/NDF: 62643.5/21

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

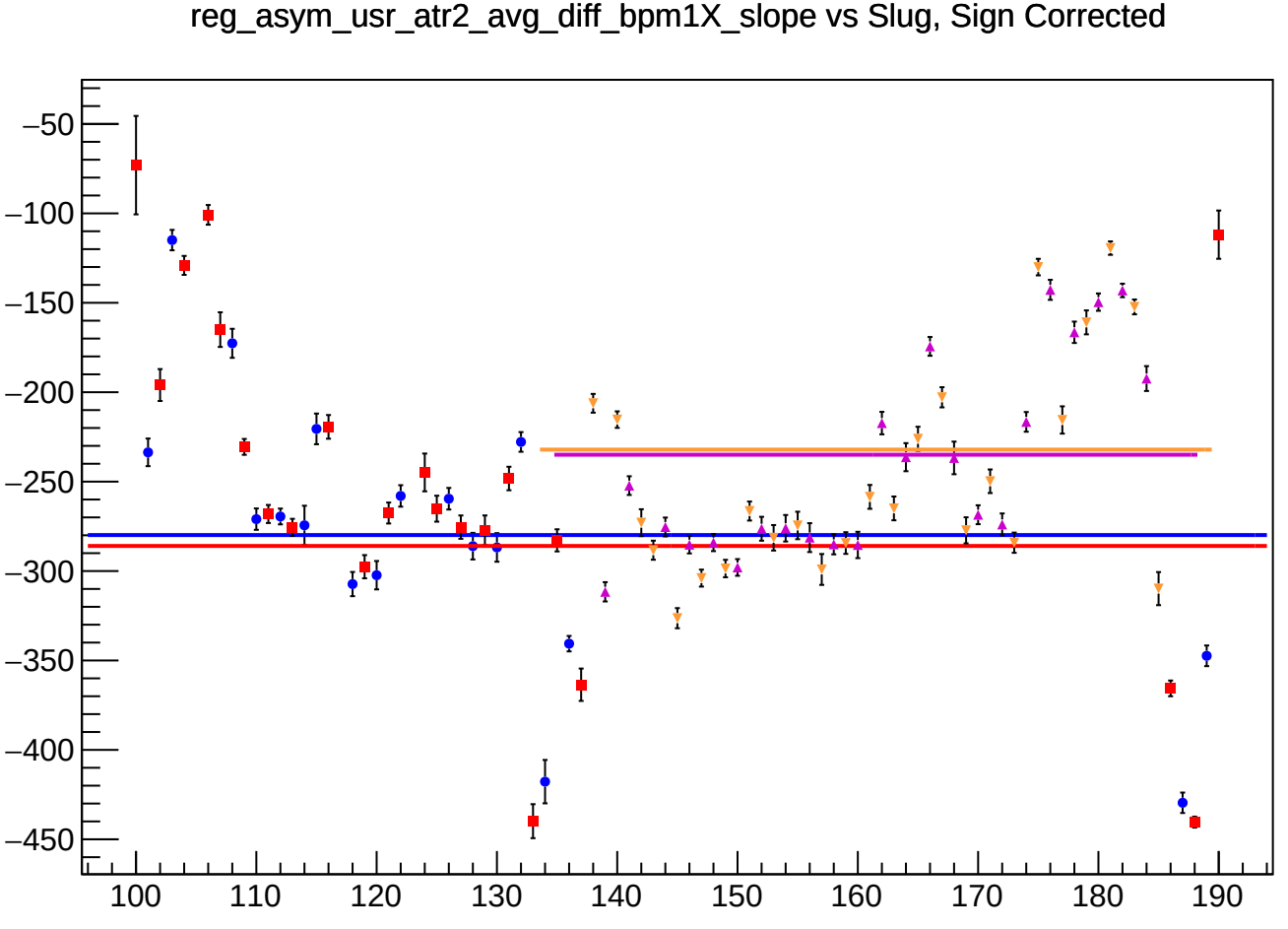
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -8.729+/-0.022 χ^2/NDF: 97664.5/39

In: -9.598+/-0.011 χ^2/NDF:67851.5/40

Out: -9.296+/-0.011 χ^2/NDF:112931.5/46

All: -9.444+/-0.008 χ^2/NDF: 181143.8/87



Right In: -279.878+/-1.500 χ^2/NDF: 2392.6/17

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -285.971+/-1.286 χ^2/NDF: 6038.6/21

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

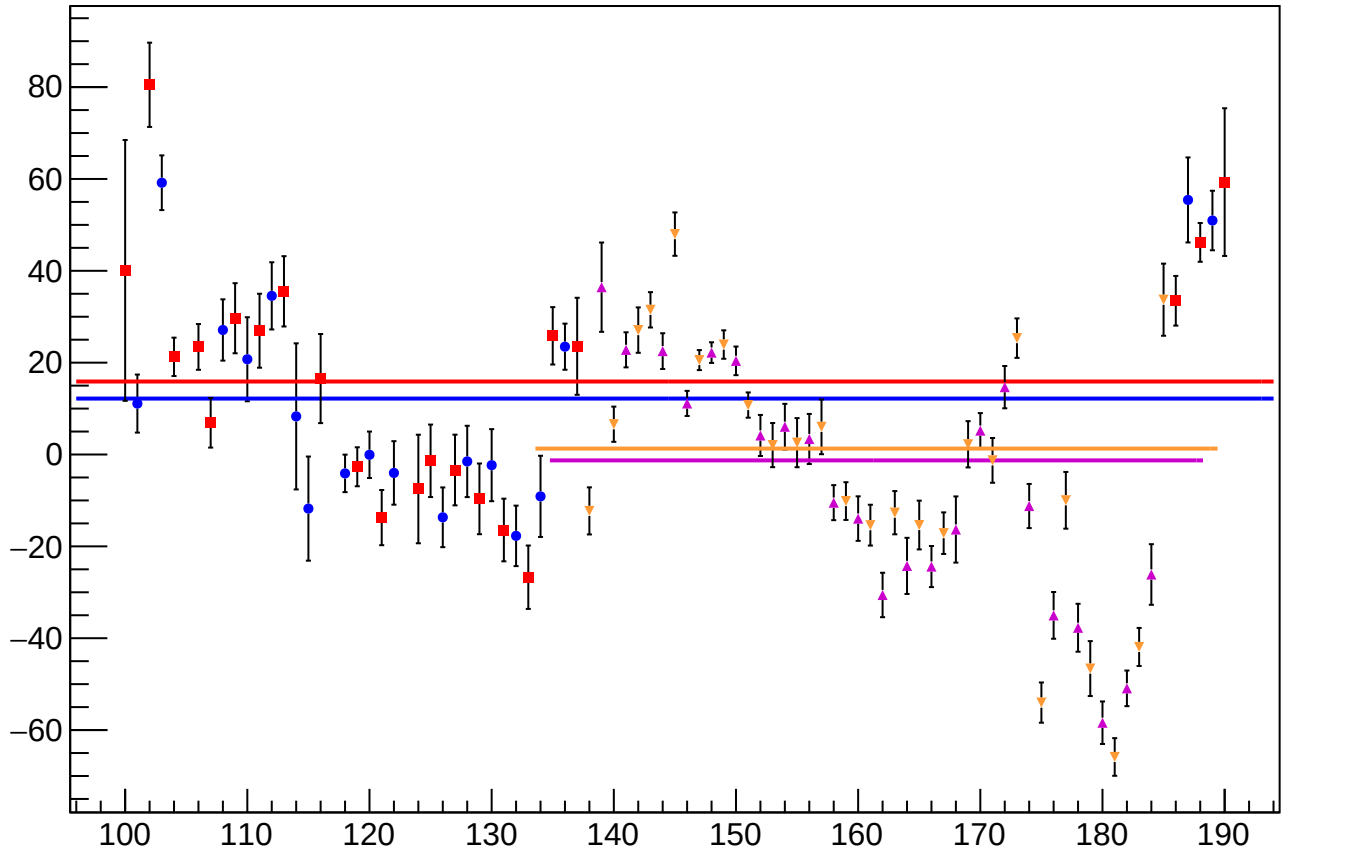
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -283.388+/-0.976 χ^2/NDF: 8440.8/39

In: -252.053+/-0.925 χ^2/NDF:5418.7/40

Out: -255.865+/-0.854 χ^2/NDF:10289.0/46

All: -254.111+/-0.628 χ^2/NDF: 15716.9/87



Right In: 12.180+/-1.570 χ^2/NDF: 220.8/17

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 15.896+/-1.391 χ^2/NDF: 271.2/21

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

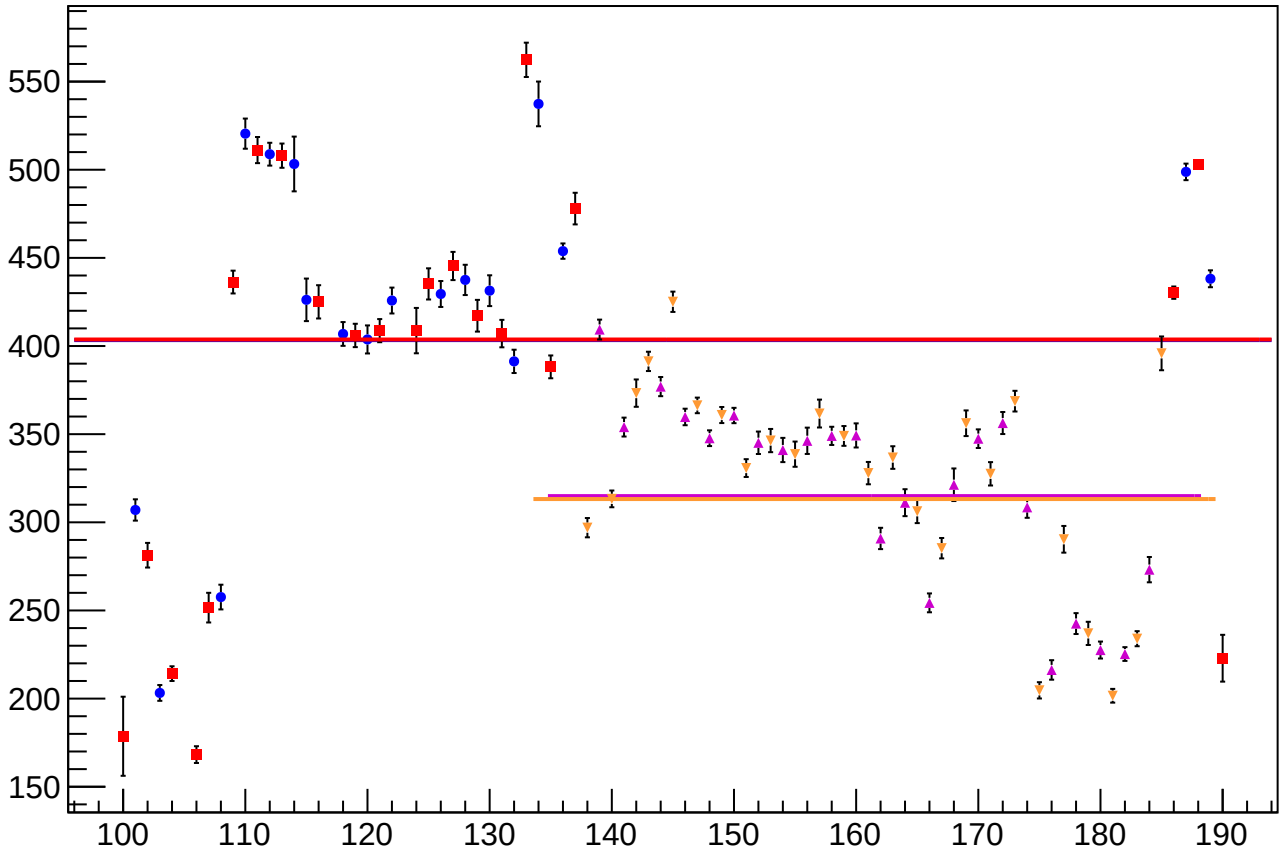
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 14.262+/-1.041 χ^2/NDF: 495.1/39

In: 1.874+/-0.760 χ^2/NDF:1088.3/40

Out: 5.174+/-0.717 χ^2/NDF:1401.5/46

All: 3.620+/-0.522 χ^2/NDF: 2499.7/87



Right In: 403.360+/-1.546 χ^2/NDF: 3943.9/17

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 403.696+/-1.269 χ^2/NDF: 7964.4/21

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

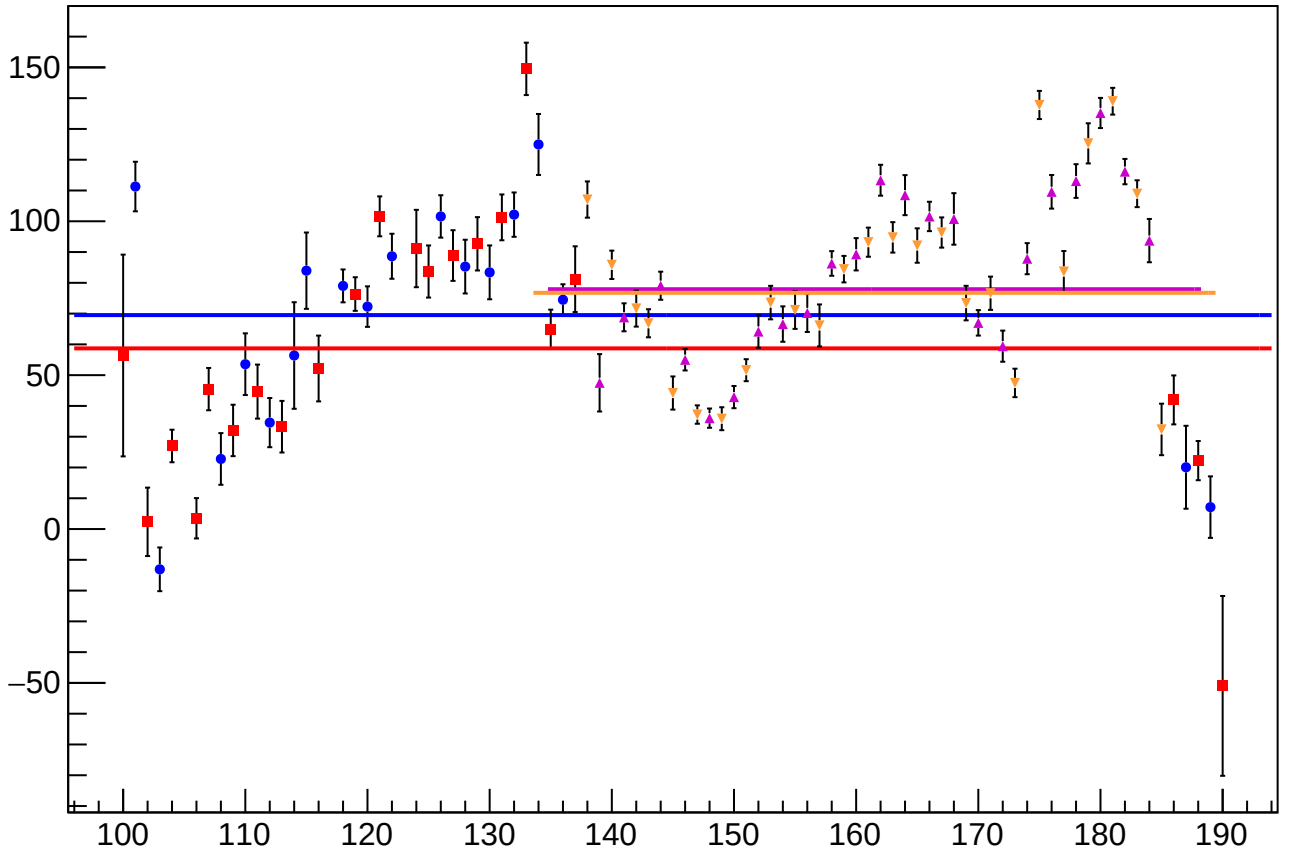
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 403.560+/-0.981 χ^2/NDF: 11908.4/39

In: 346.789+/-0.929 χ^2/NDF:8467.6/40

Out: 353.386+/-0.845 χ^2/NDF:13928.7/46

All: 350.396+/-0.625 χ^2/NDF: 22423.9/87



Right In: 69.512+/-1.846 χ^2/NDF: 359.7/17

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 58.700+/-1.685 χ^2/NDF: 460.3/21

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

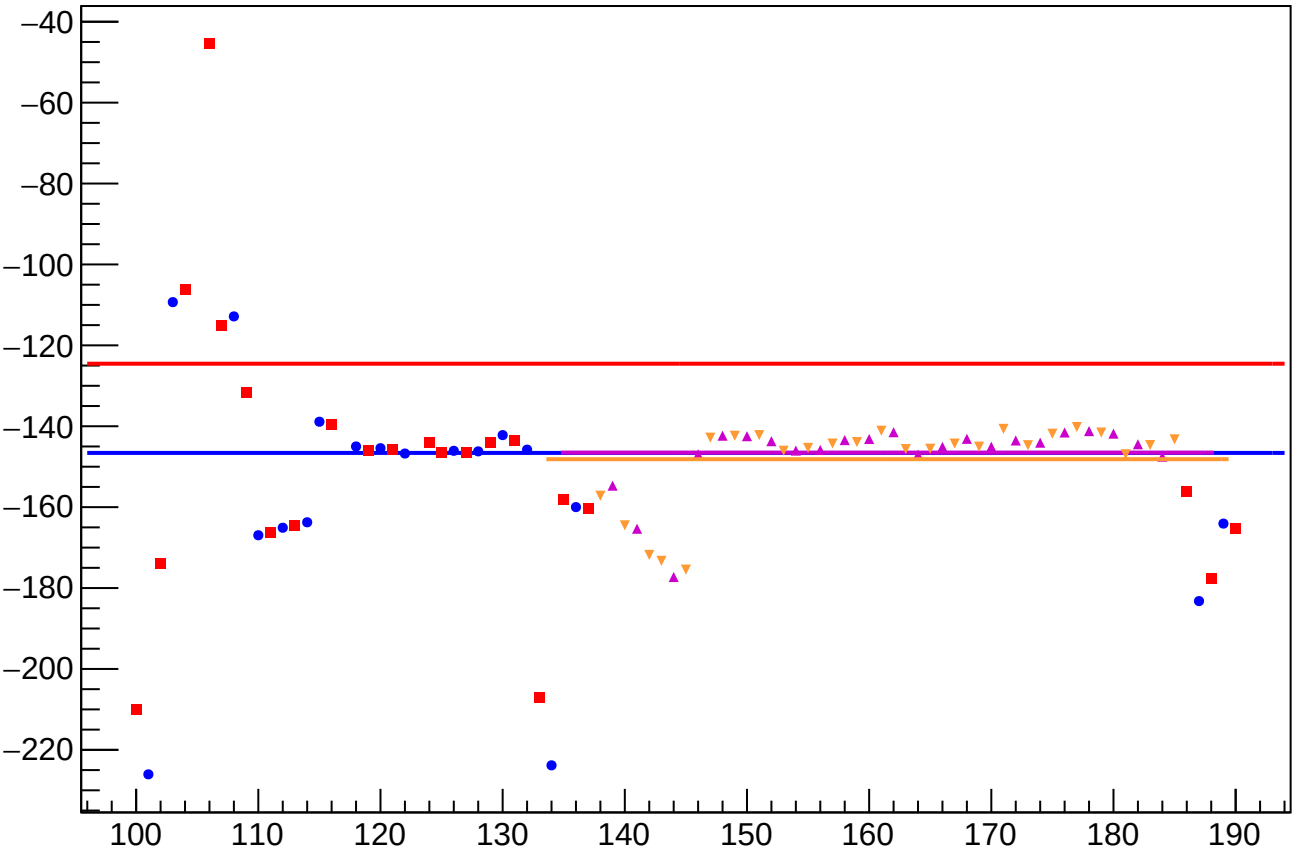
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 63.615+/-1.245 χ^2/NDF: 838.6/39

In: 76.024+/-0.877 χ^2/NDF:1159.6/40

Out: 72.288+/-0.839 χ^2/NDF:1582.0/46

All: 74.072+/-0.606 χ^2/NDF: 2751.0/87



Right In: -146.592+/-0.096 χ^2/NDF: 135908.8/17

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -124.538+/-0.085 χ^2/NDF: 301244.2/21

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

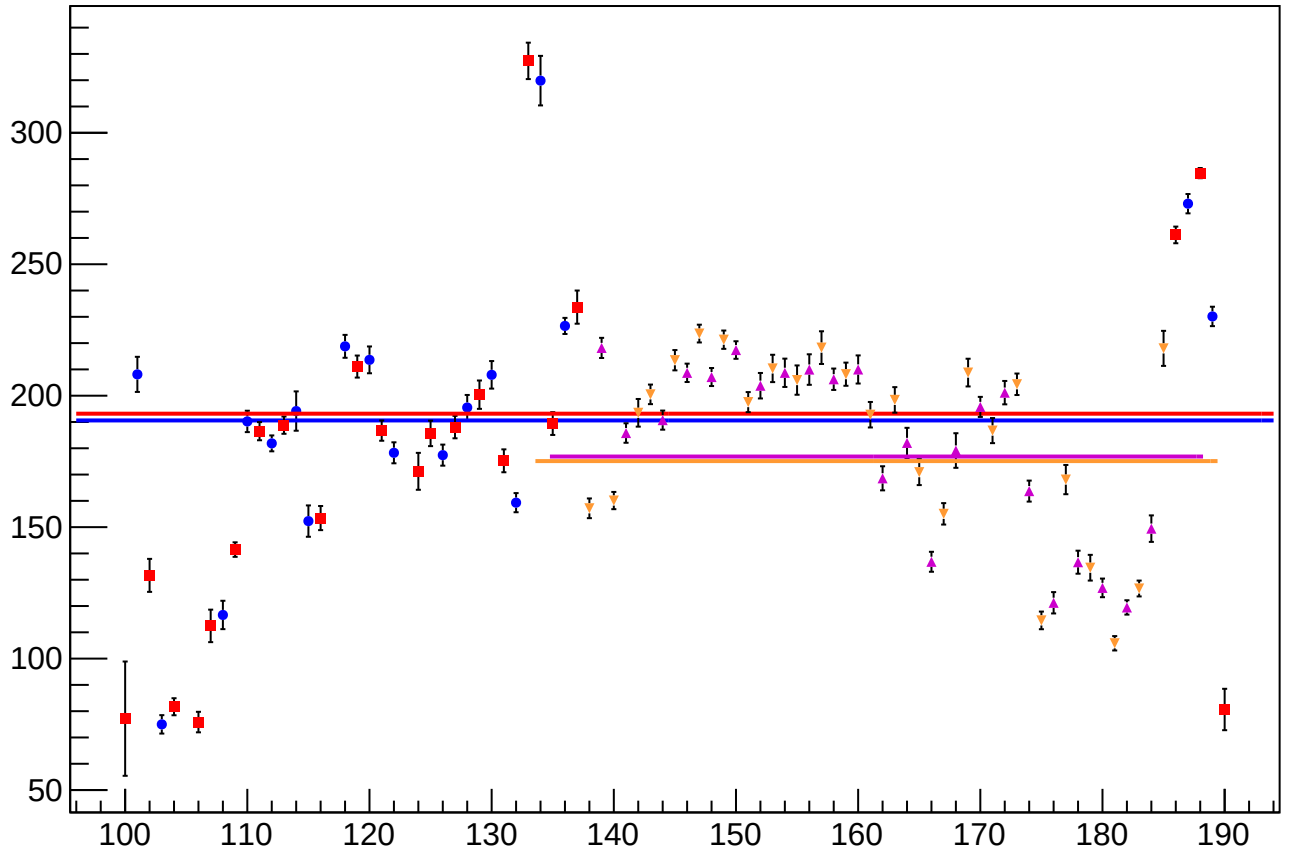
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

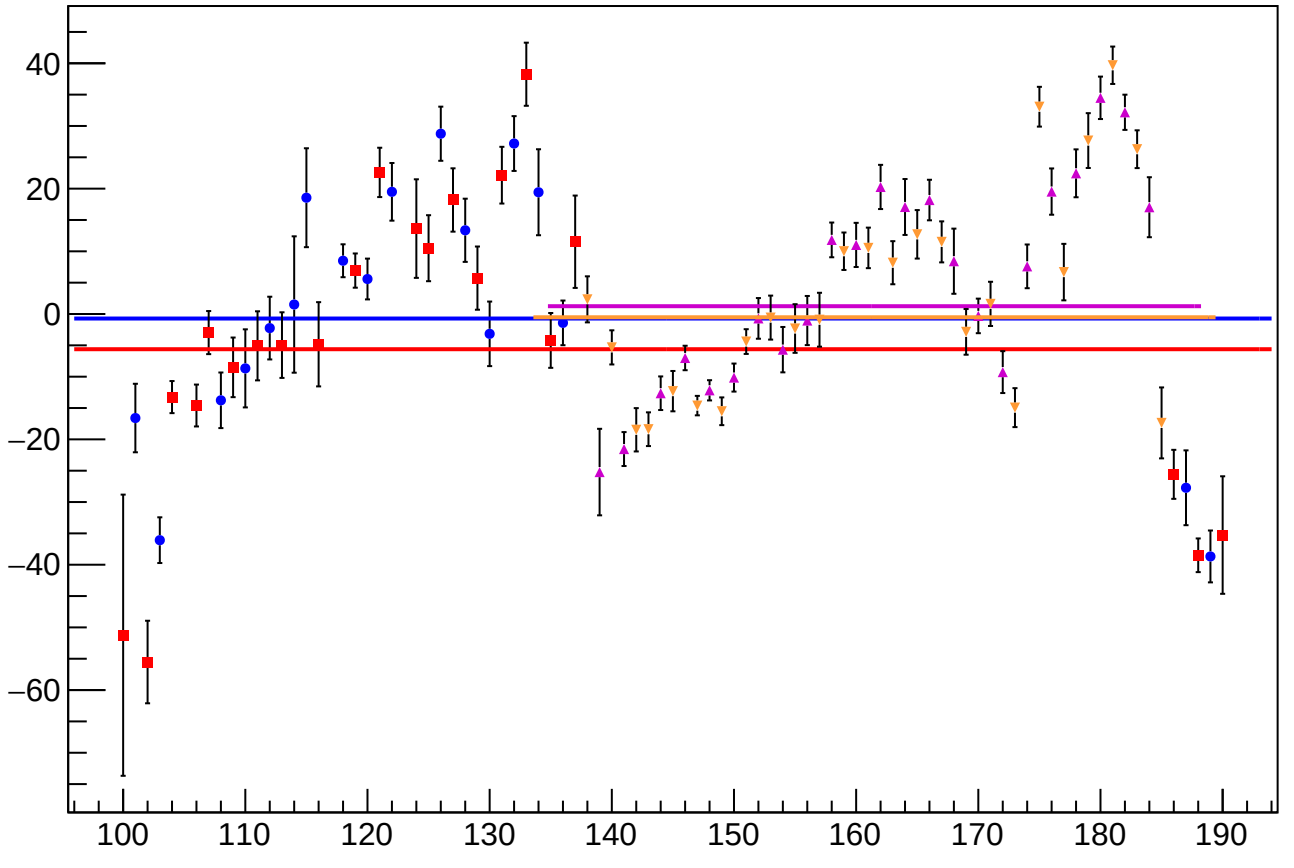
Right: -134.265+/-0.063 χ^2/NDF: 466910.9/39

In: -146.535+/-0.041 χ^2/NDF:165081.5/40

Out: -142.954+/-0.040 χ^2/NDF:410473.2/46

All: -144.687+/-0.029 χ^2/NDF: 579469.2/87


reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
190
Right In: 190.589+/-1.004 χ²/NDF: 2446.7/17
Left Out: 175.126+/-0.822 χ²/NDF:2295.2/24
Right Out: 193.158+/-0.851 χ²/NDF: 6183.1/21
Left In: 176.862+/-0.847 χ²/NDF:1756.1/22
Left: 175.968+/-0.590 χ²/NDF: 4053.4/47
Right: 192.085+/-0.649 χ²/NDF: 8633.6/39
In: 182.566+/-0.648 χ²/NDF:4311.9/40
Out: 183.831+/-0.591 χ²/NDF:8710.5/46
All: 183.256+/-0.437 χ²/NDF: 13024.5/87



Right In: -0.722+/-1.051 χ^2/NDF: 362.9/17

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -5.618+/-0.916 χ^2/NDF: 498.6/21

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

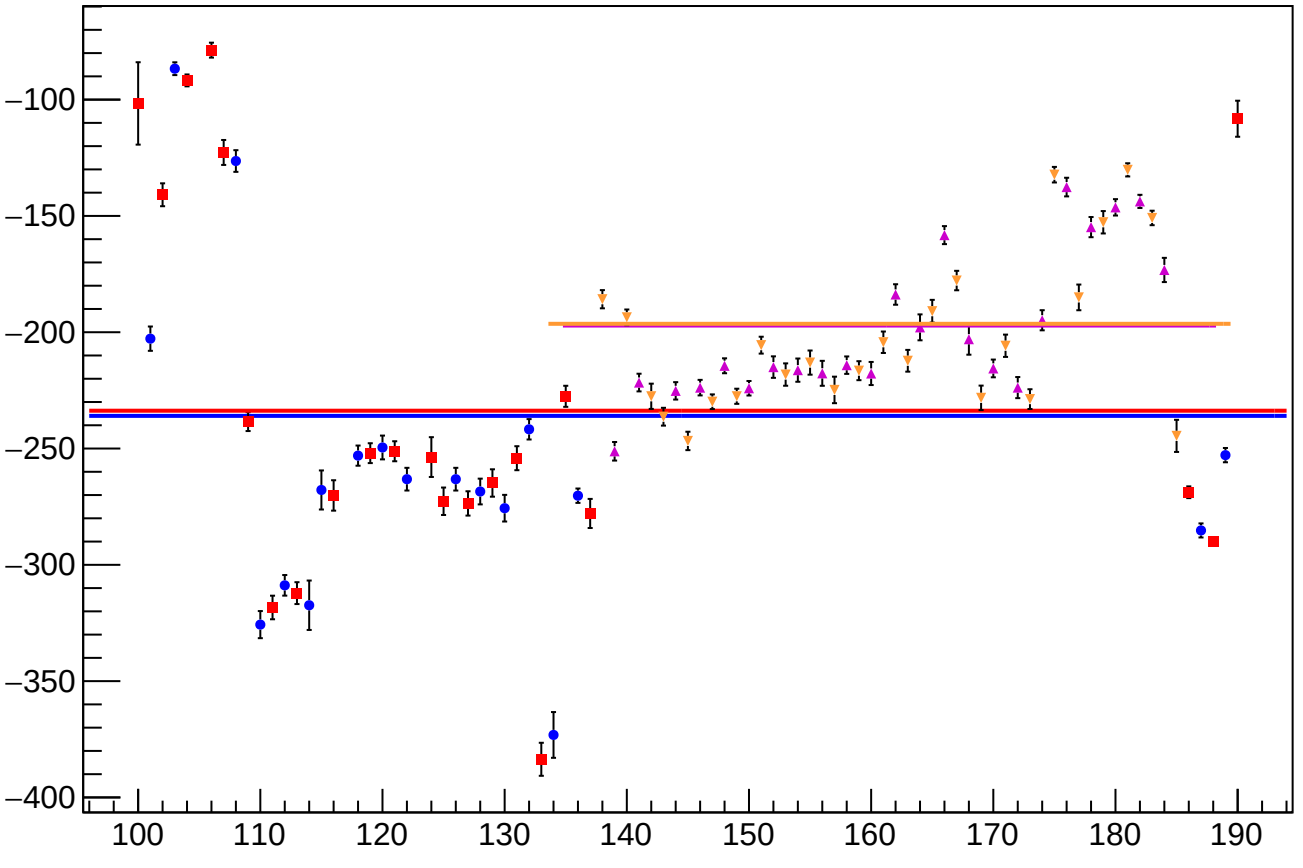
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -3.503+/-0.690 χ^2/NDF: 873.9/39

In: 0.730+/-0.537 χ^2/NDF:986.0/40

Out: -2.055+/-0.502 χ^2/NDF:1244.7/46

All: -0.757+/-0.367 χ^2/NDF: 2245.1/87



Right In: -235.957+/-1.031 χ^2/NDF: 4906.8/17

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -233.738+/-0.835 χ^2/NDF: 9289.7/21

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

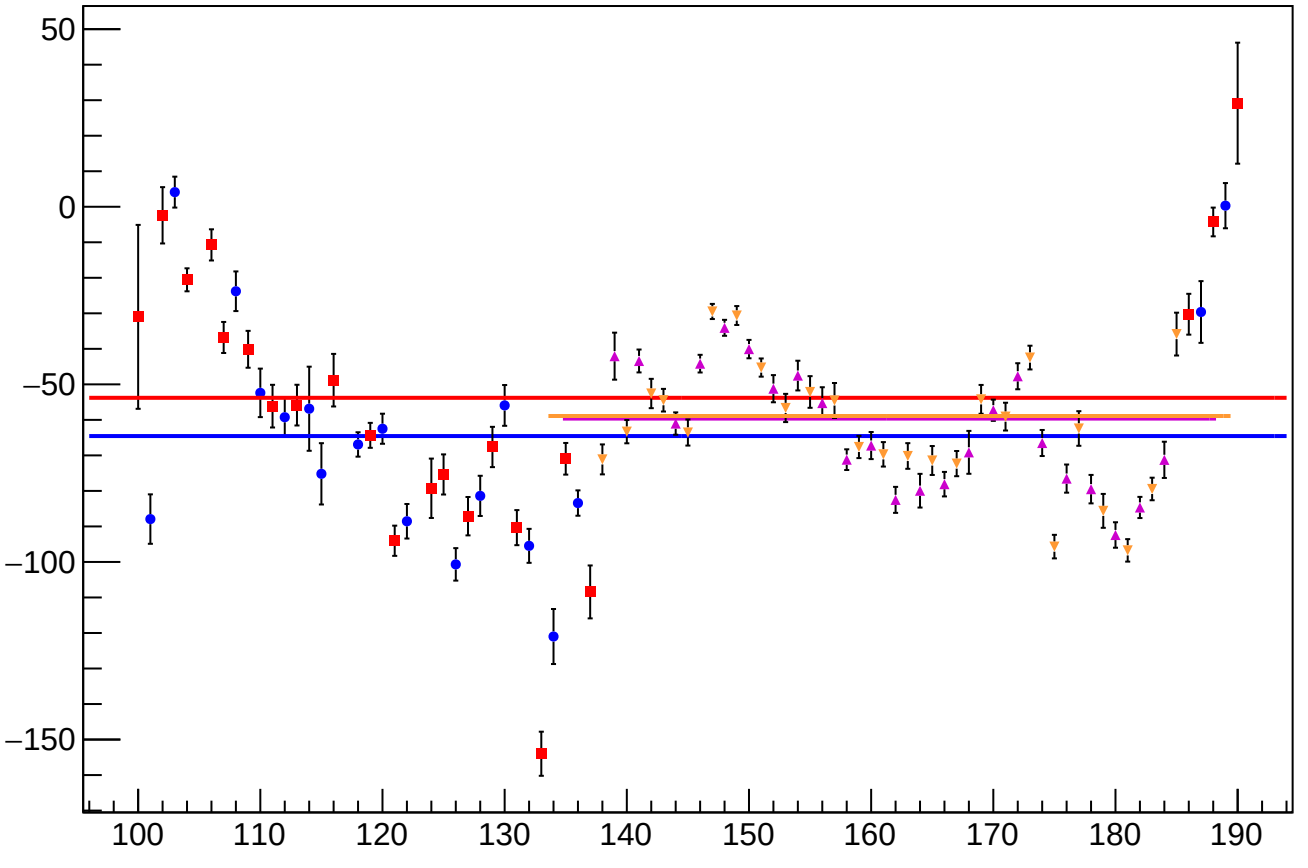
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -234.617+/-0.649 χ^2/NDF: 14199.3/39

In: -212.541+/-0.650 χ^2/NDF:7362.9/40

Out: -214.621+/-0.584 χ^2/NDF:12311.5/46

All: -213.693+/-0.434 χ^2/NDF: 19680.0/87



Right In: -64.556+/-1.240 χ^2/NDF: 661.0/17

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -53.787+/-1.112 χ^2/NDF: 1007.8/21

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

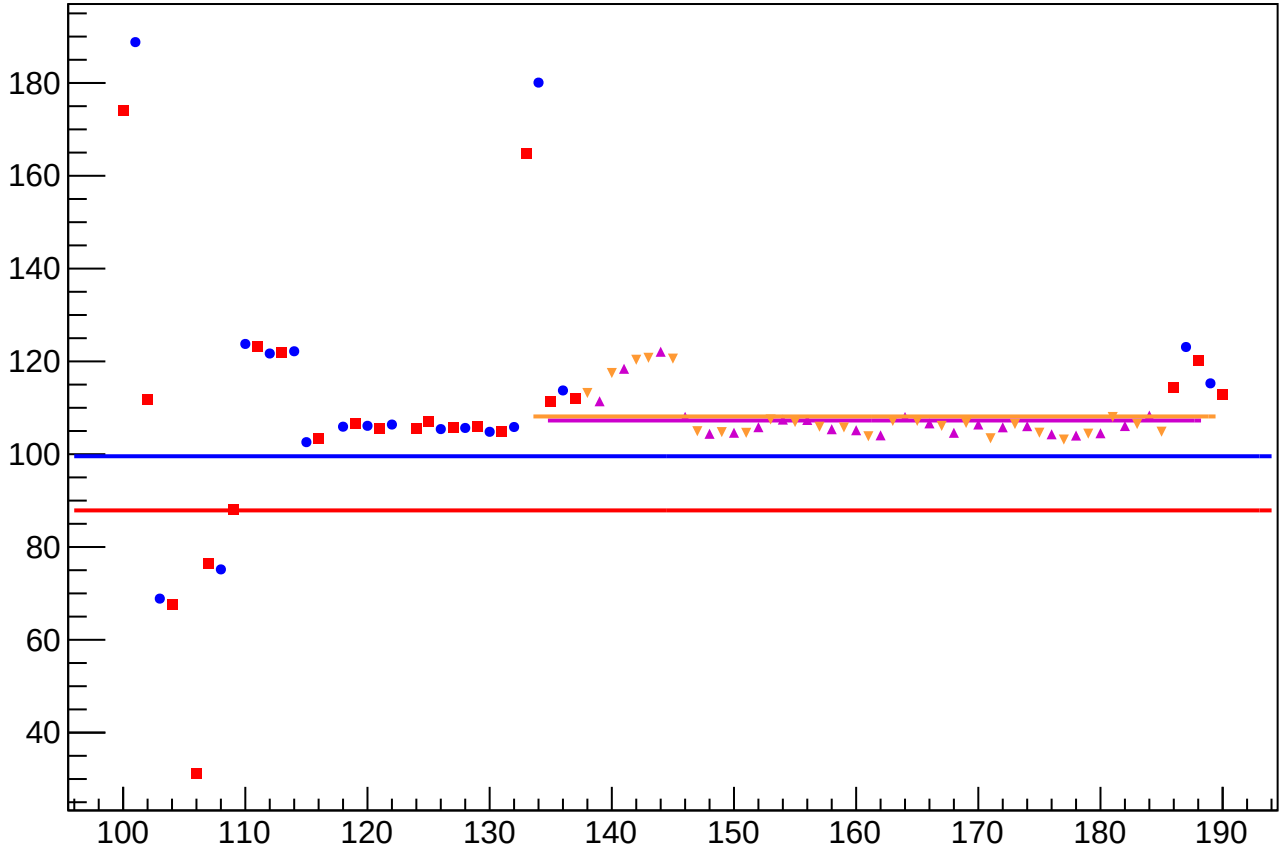
Right: -58.588+/-0.828 χ^2/NDF: 1710.6/39

In: -60.873+/-0.622 χ^2/NDF:1269.8/40

Out: -57.472+/-0.589 χ^2/NDF:1805.5/46

All: -59.082+/-0.428 χ^2/NDF: 3091.1/87

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.560+/-0.064 χ^2/NDF: 233783.8/17

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 87.888+/-0.058 χ^2/NDF: 300214.2/21

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

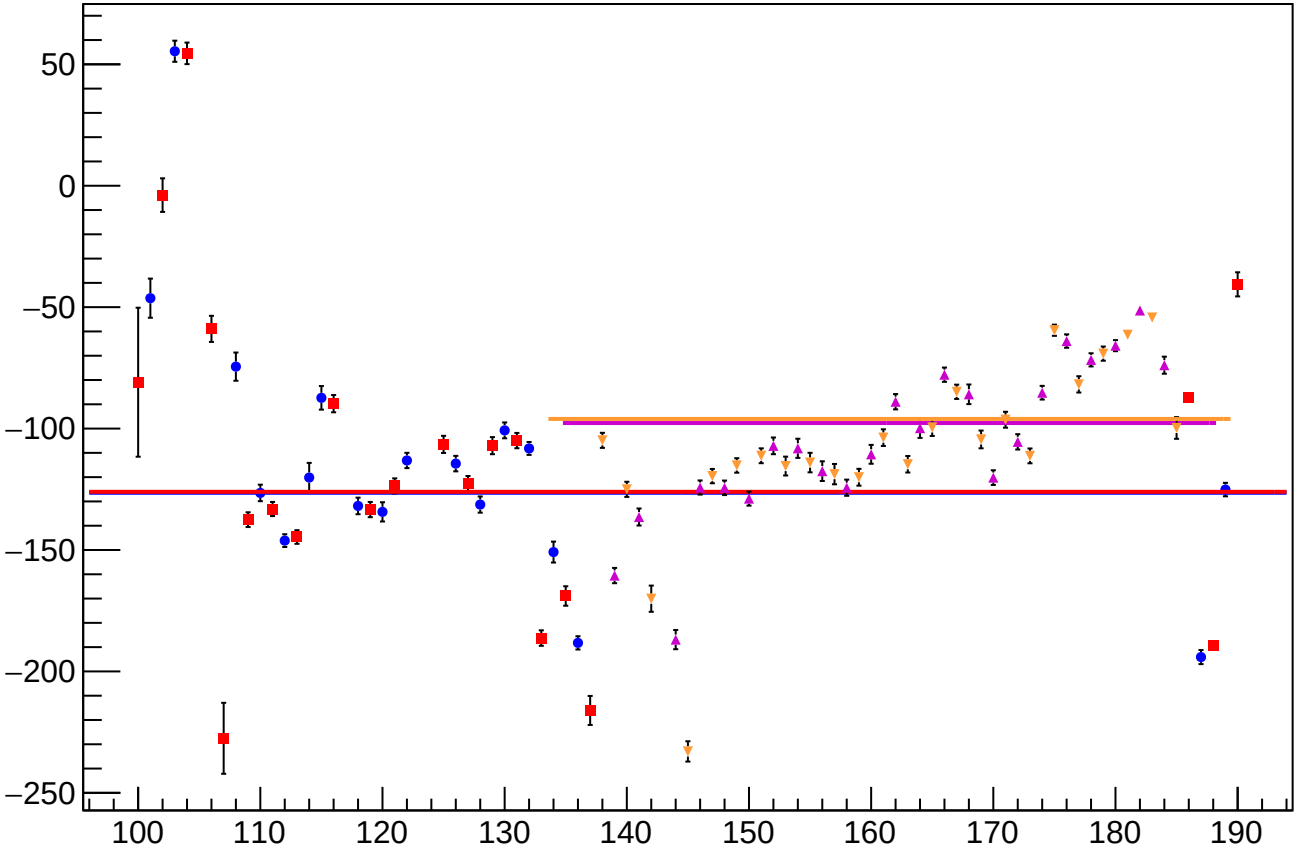
Right: 93.107+/-0.043 χ^2/NDF: 552409.1/39

In: 105.659+/-0.029 χ^2/NDF:262152.1/40

Out: 103.247+/-0.028 χ^2/NDF:420625.5/46

All: 104.413+/-0.020 χ^2/NDF: 686297.8/87

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -126.426+/-0.814 χ^2/NDF: 3285.4/17

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -126.041+/-0.692 χ^2/NDF: 5509.7/20

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

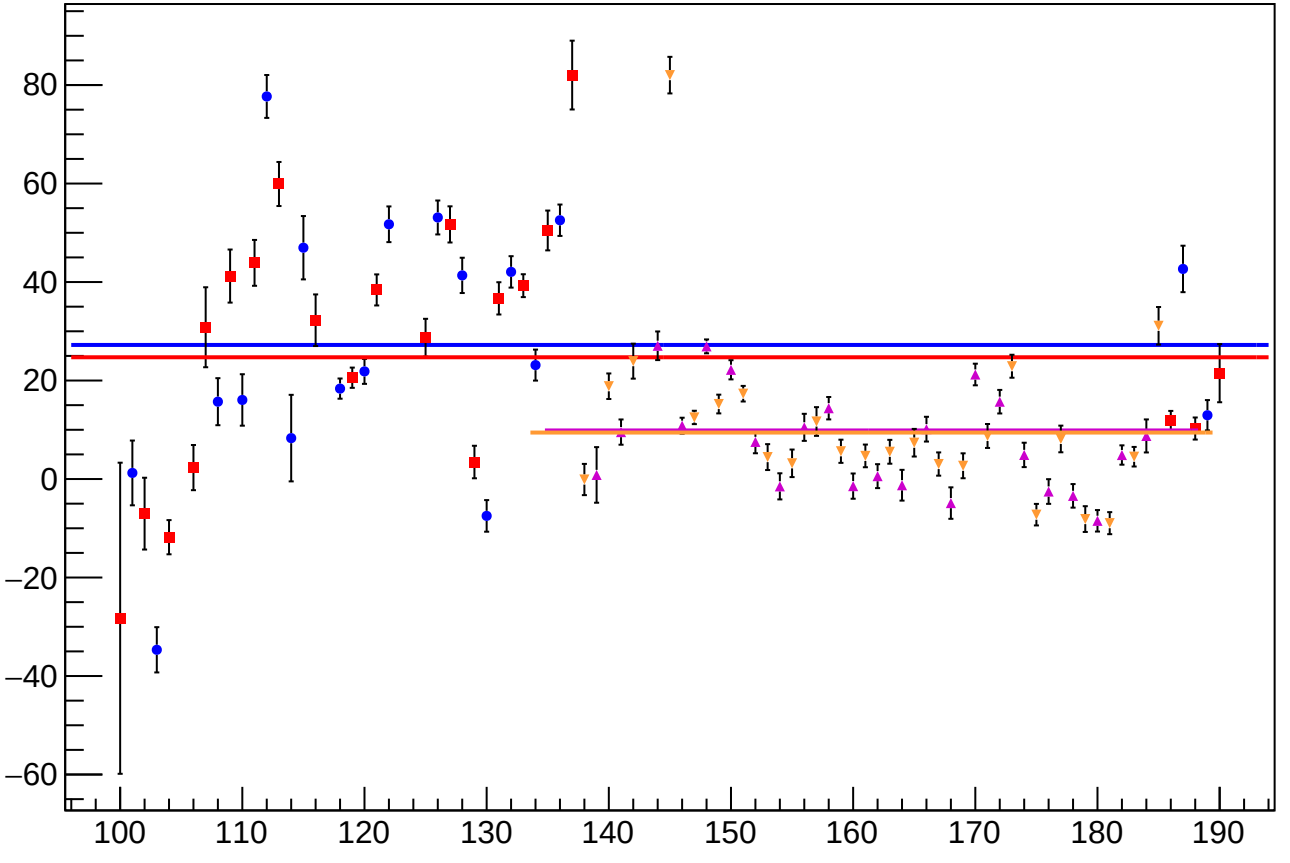
Right: -126.203+/-0.527 χ^2/NDF: 8795.2/38

In: -108.654+/-0.502 χ^2/NDF:6696.7/40

Out: -109.747+/-0.468 χ^2/NDF:9302.4/44

All: -109.239+/-0.342 χ^2/NDF: 16001.6/85

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.227+/-0.840 χ^2/NDF: 732.4/17

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.724+/-0.760 χ^2/NDF: 609.3/20

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

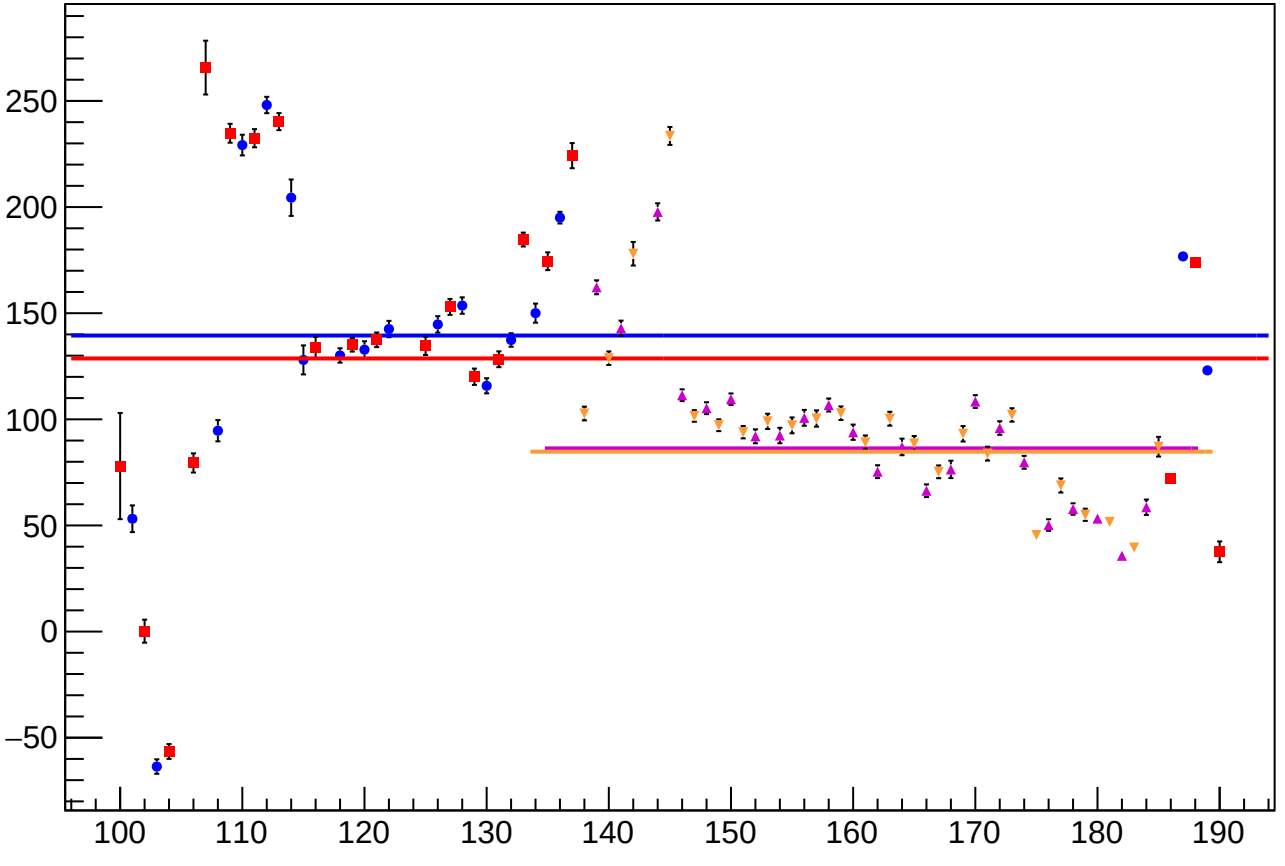
Right: 25.851+/-0.563 χ^2/NDF: 1346.7/38

In: 14.230+/-0.421 χ^2/NDF:1537.9/40

Out: 13.774+/-0.405 χ^2/NDF:1635.8/44

All: 13.993+/-0.292 χ^2/NDF: 3174.3/85

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 139.479+/-0.858 χ^2/NDF: 5770.2/17

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 128.681+/-0.674 χ^2/NDF: 9626.8/20

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

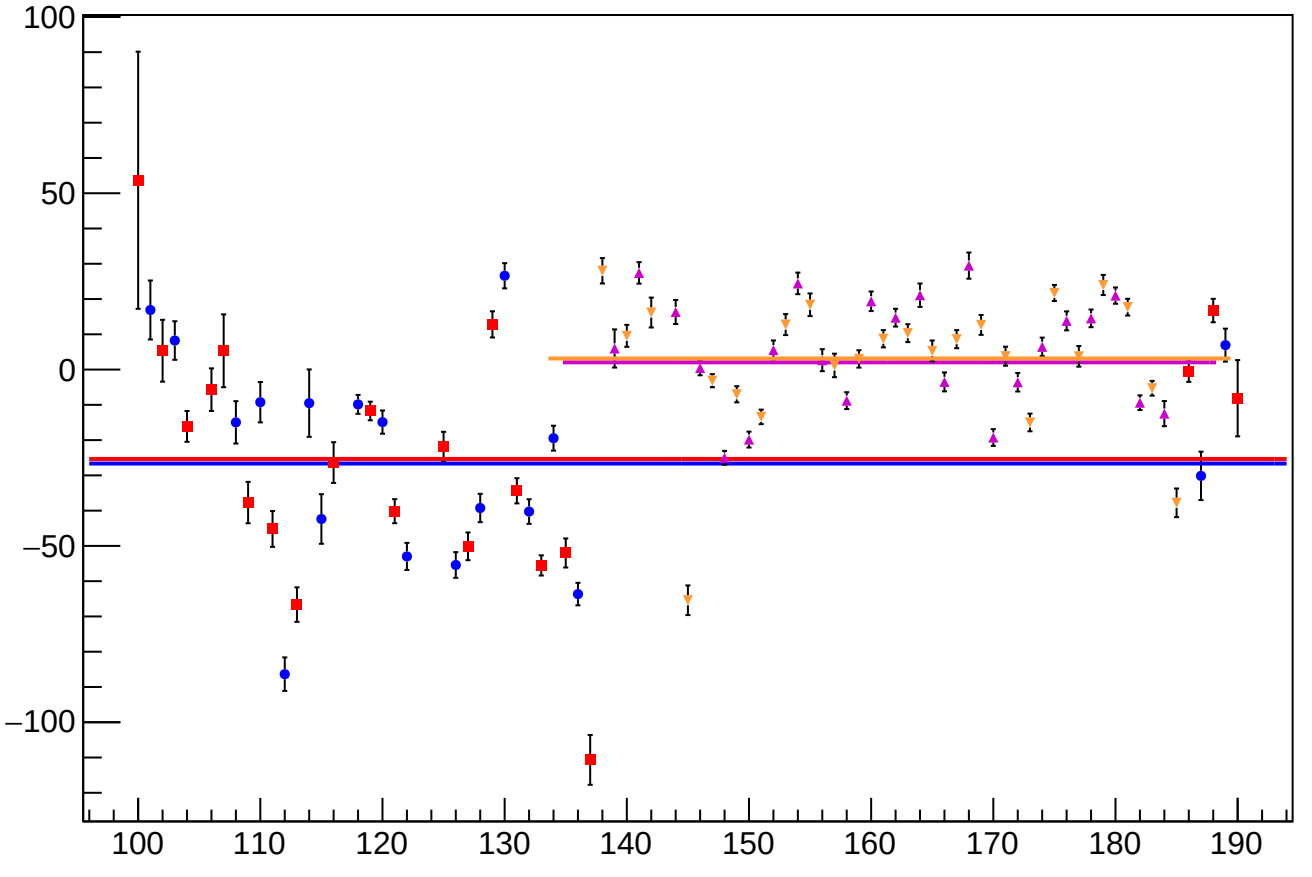
Right: 132.804+/-0.530 χ^2/NDF: 15495.0/38

In: 105.010+/-0.509 χ^2/NDF:11415.4/40

Out: 105.206+/-0.460 χ^2/NDF:15006.2/44

All: 105.118+/-0.341 χ^2/NDF: 26421.6/85

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.643+/-0.988 χ^2/NDF: 845.4/17

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -25.341+/-0.929 χ^2/NDF: 860.9/20

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

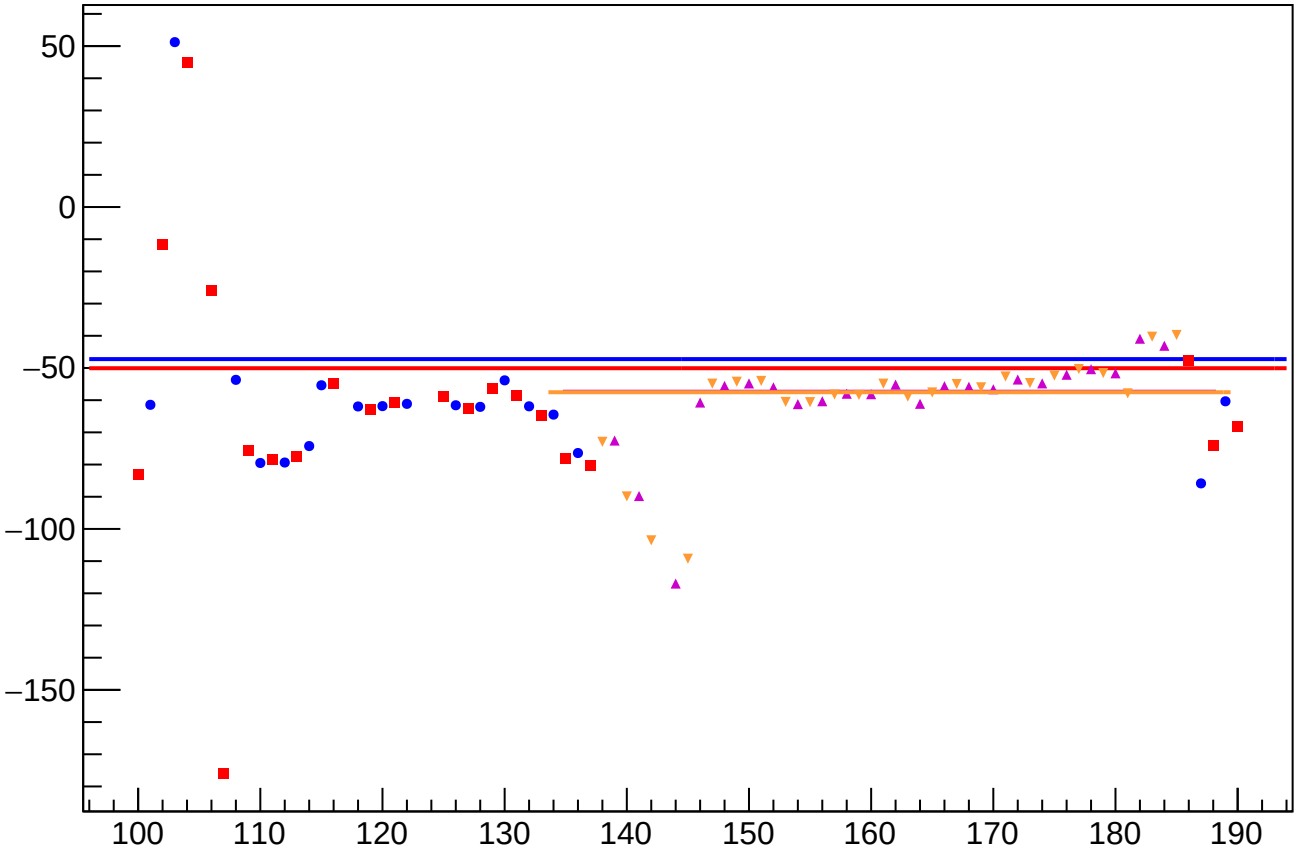
Right: -25.952+/-0.677 χ^2/NDF: 1707.2/38

In: -4.755+/-0.481 χ^2/NDF:2339.4/40

Out: -4.119+/-0.469 χ^2/NDF:2375.4/44

All: -4.429+/-0.336 χ^2/NDF: 4715.7/85

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -47.243+/-0.057 χ^2/NDF: 590966.6/17

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -50.074+/-0.056 χ^2/NDF: 521592.4/20

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

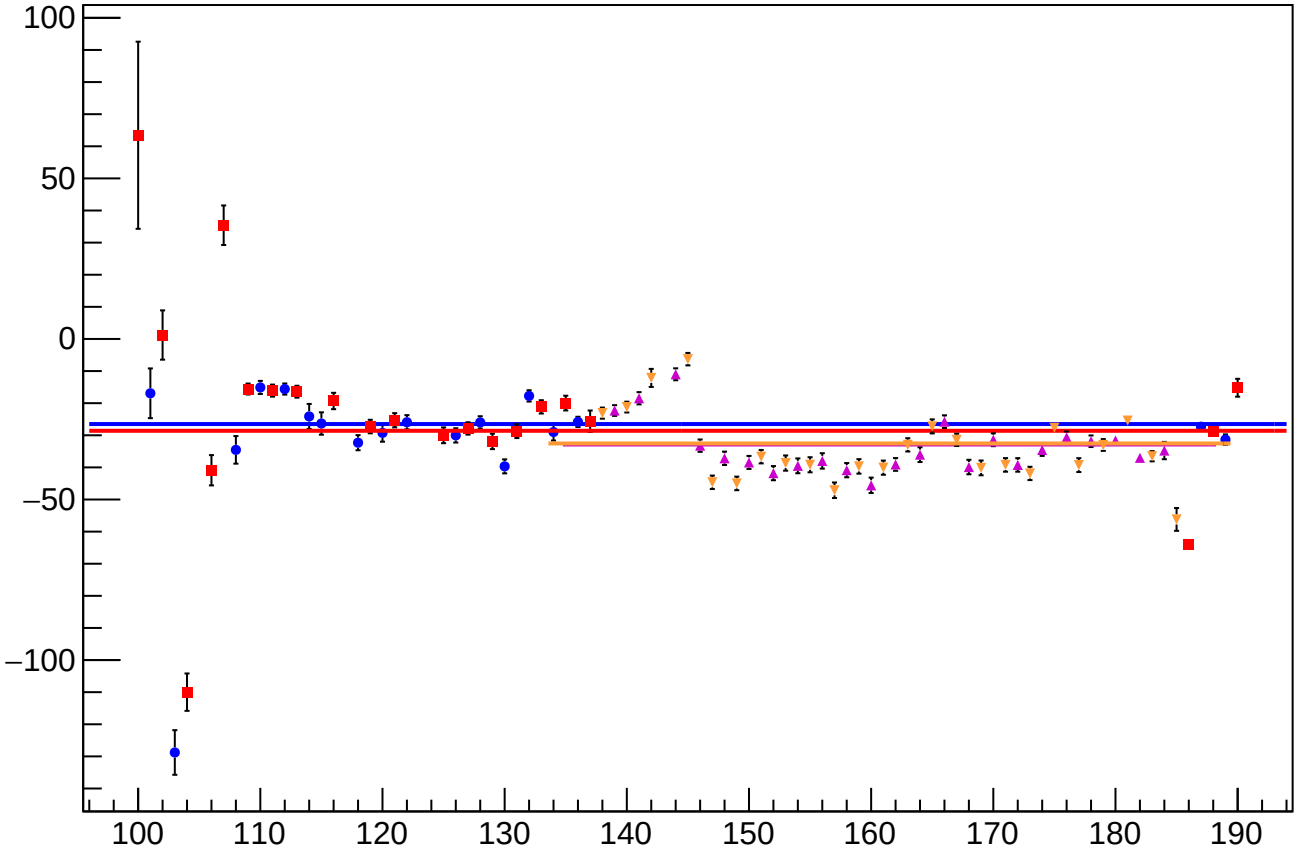
Right: -48.690+/-0.040 χ^2/NDF: 1113822.2/38

In: -55.767+/-0.023 χ^2/NDF:844730.2/40

Out: -56.301+/-0.023 χ^2/NDF:803591.0/44

All: -56.035+/-0.016 χ^2/NDF: 1648599.3/85

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -26.502+/-0.517 χ^2/NDF: 374.0/17

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -28.596+/-0.448 χ^2/NDF: 1173.1/20

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

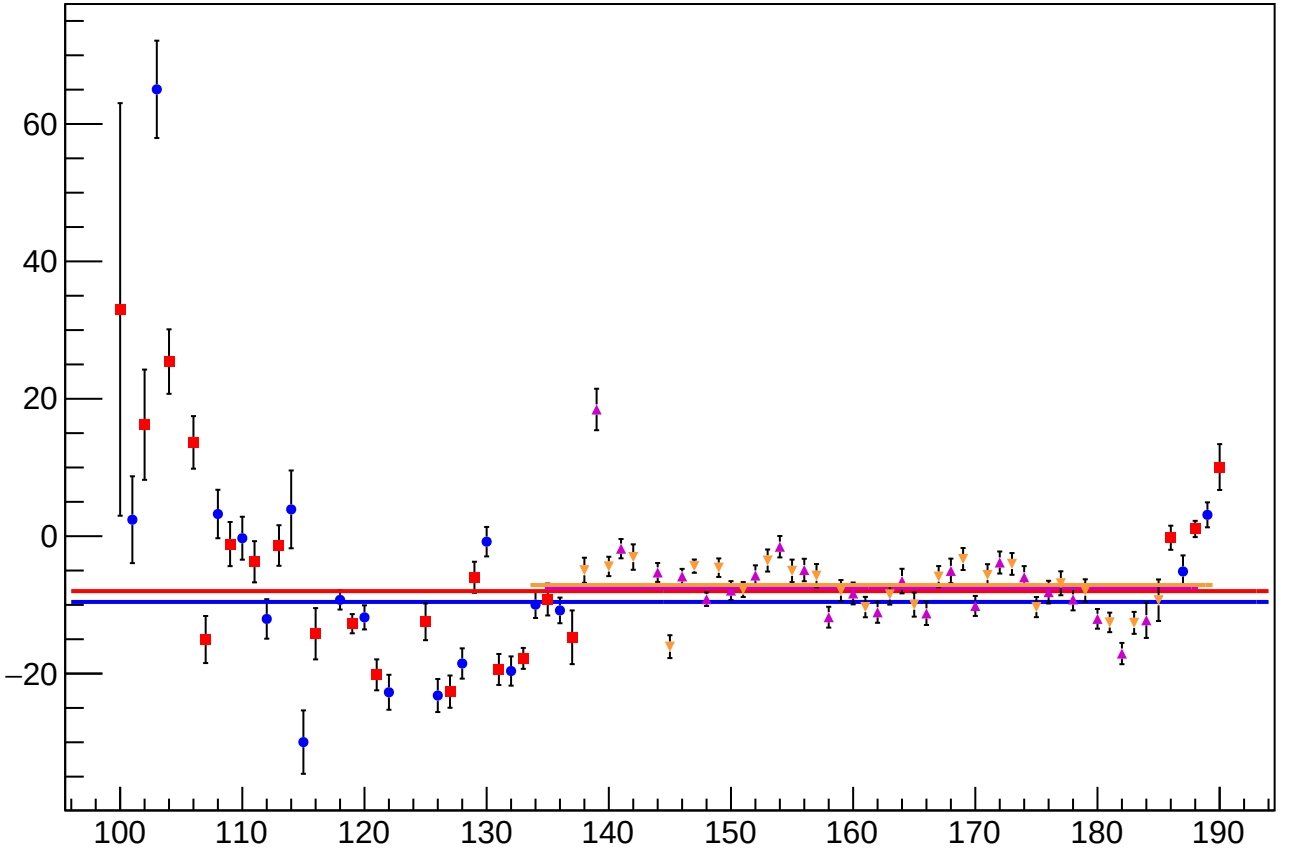
Right: -27.698+/-0.339 χ^2/NDF: 1556.4/38

In: -30.401+/-0.322 χ^2/NDF:840.0/40

Out: -30.765+/-0.301 χ^2/NDF:1819.3/44

All: -30.595+/-0.220 χ^2/NDF: 2660.0/85

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -9.572+/-0.554 χ^2/NDF: 331.2/17

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -7.993+/-0.510 χ^2/NDF: 372.7/20

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

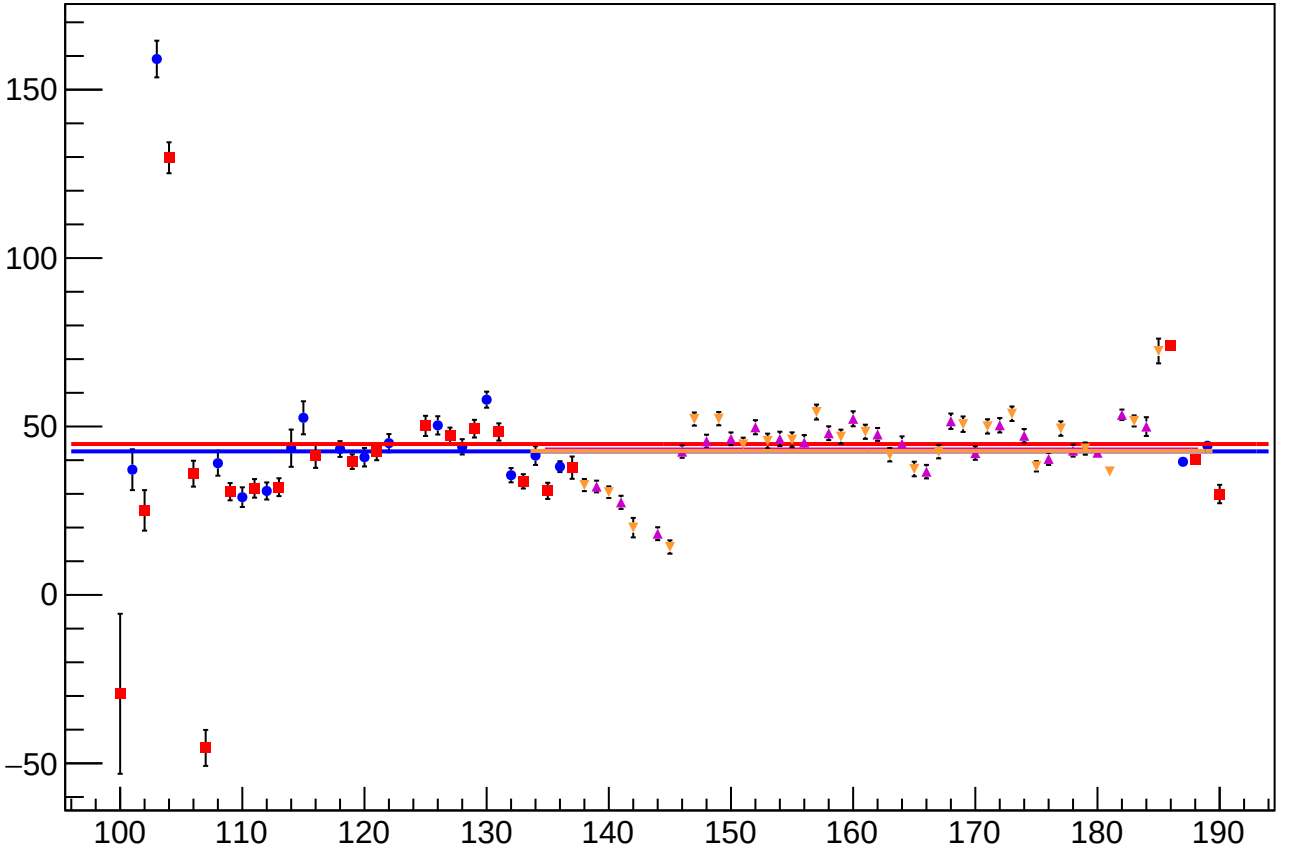
Right: -8.718+/-0.375 χ^2/NDF: 708.2/38

In: -8.042+/-0.274 χ^2/NDF:541.0/40

Out: -7.347+/-0.264 χ^2/NDF:484.4/44

All: -7.682+/-0.190 χ^2/NDF: 1028.7/85

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.615+/-0.539 χ^2/NDF: 585.3/17

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 44.791+/-0.438 χ^2/NDF: 1560.9/20

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

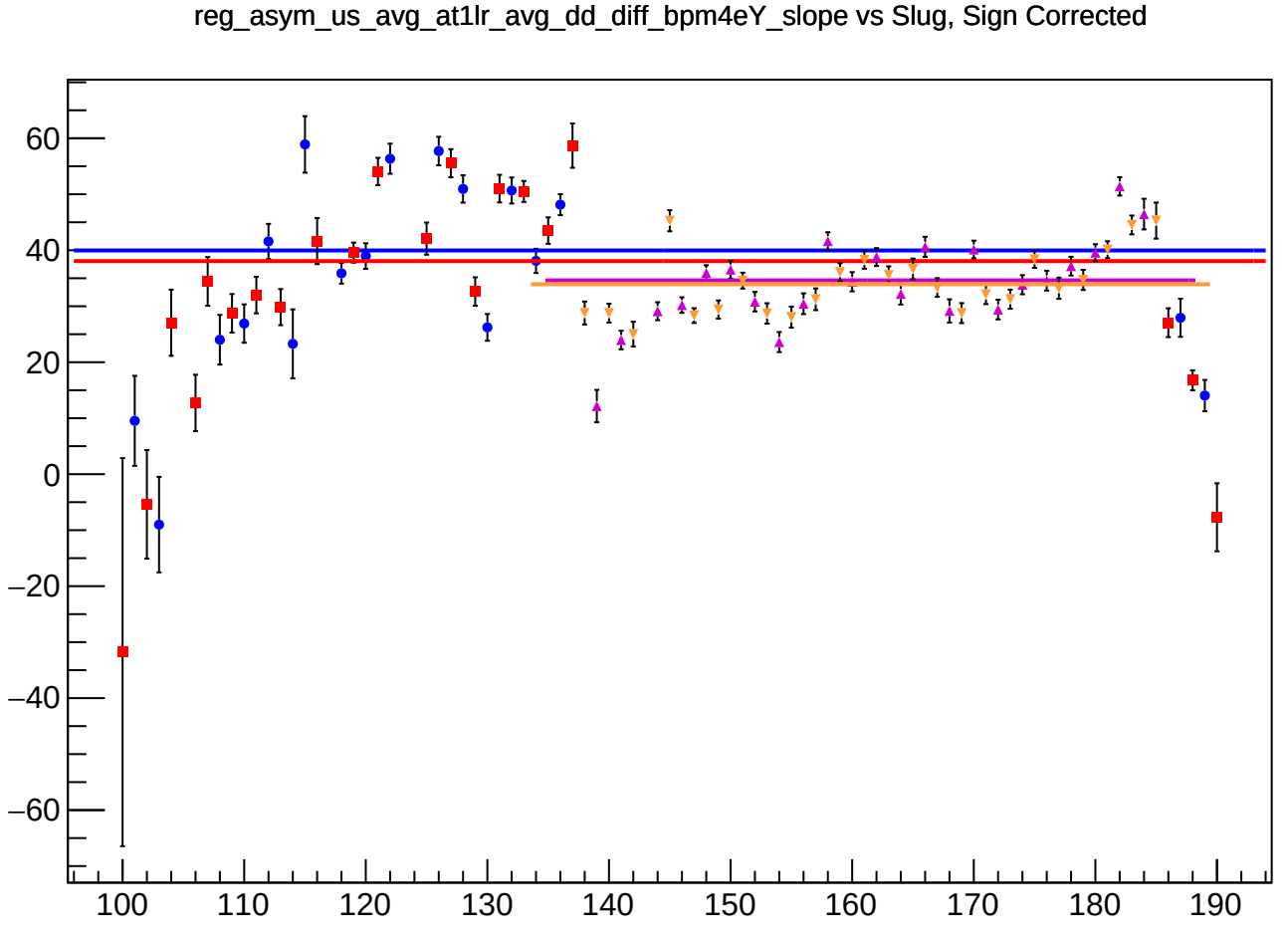
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 43.925+/-0.340 χ^2/NDF: 2155.9/38

In: 42.968+/-0.325 χ^2/NDF:999.0/40

Out: 43.683+/-0.297 χ^2/NDF:2204.2/44

All: 43.358+/-0.219 χ^2/NDF: 3205.8/85



Right In: 39.962+/-0.652 χ^2/NDF: 380.6/17

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 38.057+/-0.624 χ^2/NDF: 492.8/20

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

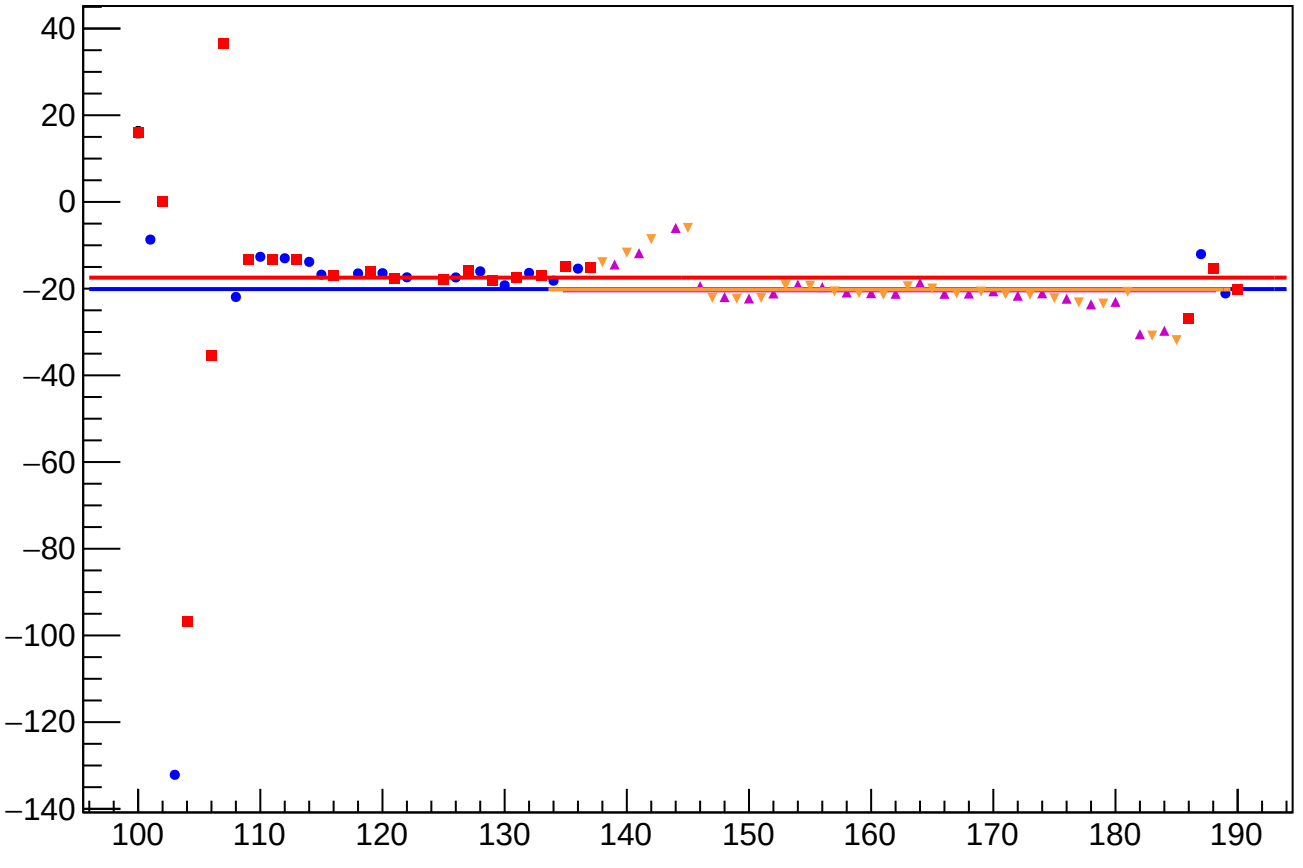
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

Right: 38.969+/-0.451 χ^2/NDF: 877.8/38

In: 35.851+/-0.313 χ^2/NDF:808.3/40

Out: 34.920+/-0.306 χ^2/NDF:742.5/44

All: 35.376+/-0.219 χ^2/NDF: 1555.3/85



Right In: -20.102+/-0.039 χ^2/NDF: 247571.0/17

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -17.462+/-0.038 χ^2/NDF: 207920.7/20

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

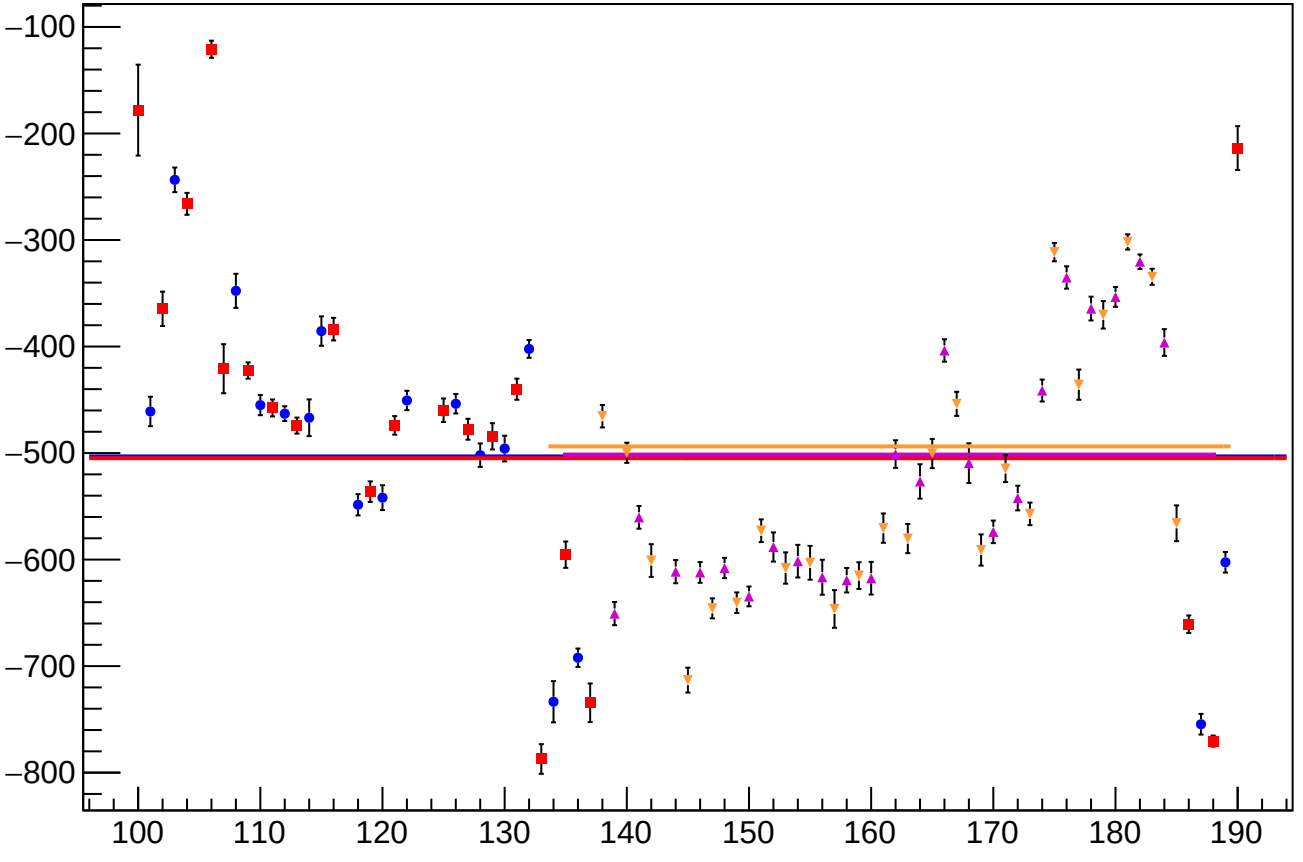
Right: -18.756+/-0.027 χ^2/NDF: 457818.7/38

In: -20.355+/-0.015 χ^2/NDF:328774.1/40

Out: -19.781+/-0.015 χ^2/NDF:312150.6/44

All: -20.067+/-0.010 χ^2/NDF: 641696.1/85

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -503.148+/-2.457 χ^2/NDF: 2384.2/17

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -504.792+/-2.135 χ^2/NDF: 7184.3/20

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

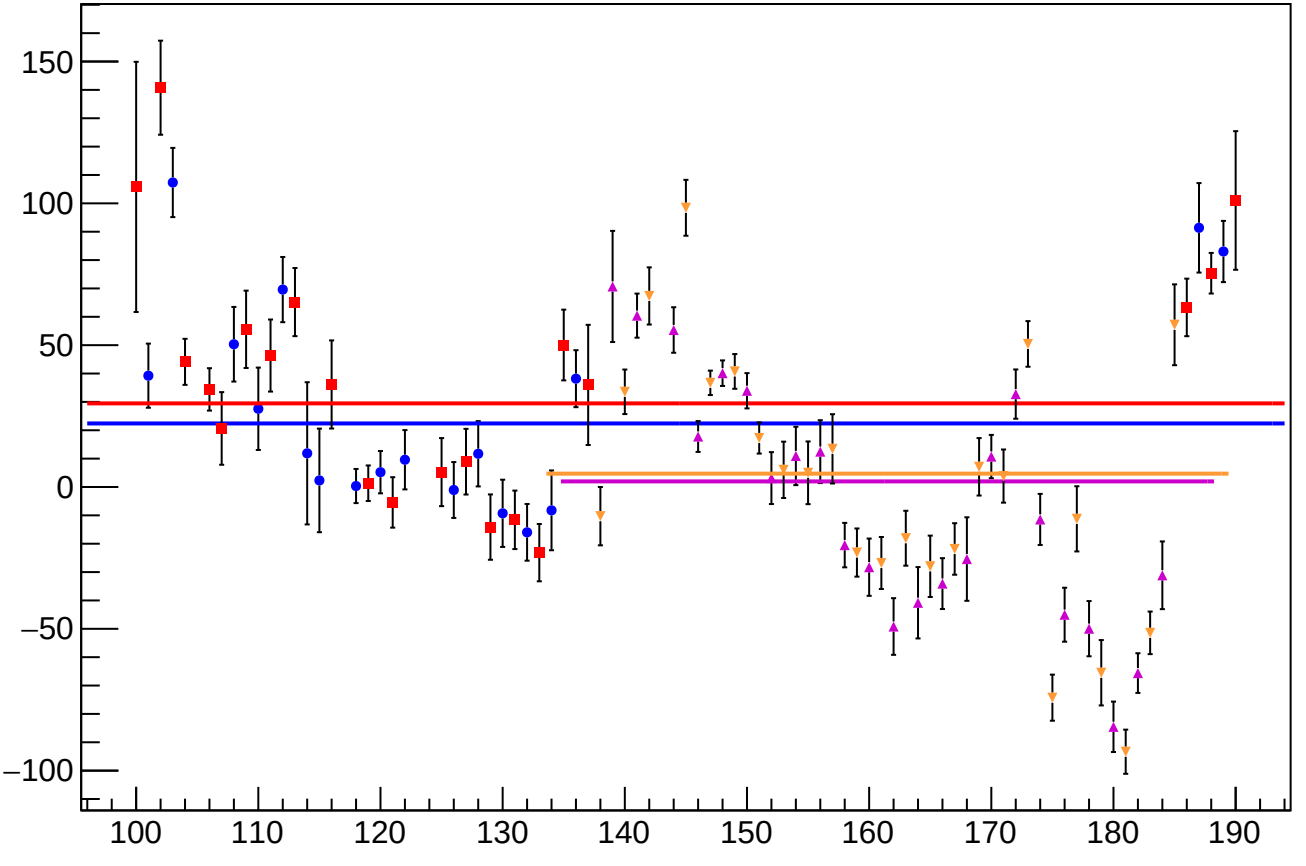
Right: -504.085+/-1.612 χ^2/NDF: 9568.8/38

In: -502.232+/-1.682 χ^2/NDF:5073.8/40

Out: -499.657+/-1.563 χ^2/NDF:10346.8/44

All: -500.851+/-1.145 χ^2/NDF: 15421.8/85

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.401+/-2.544 χ^2/NDF: 180.1/17

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 29.477+/-2.326 χ^2/NDF: 230.5/20

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

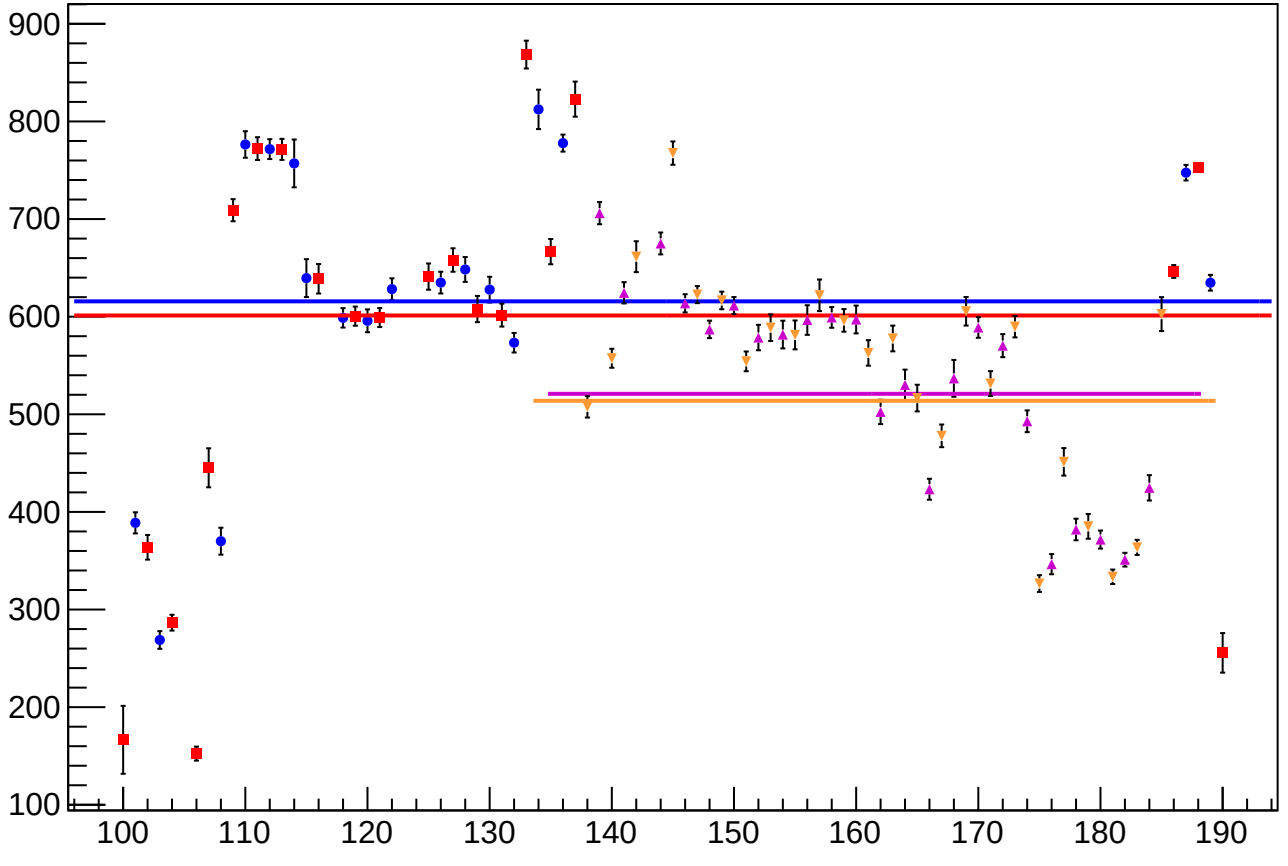
Right: 26.256+/-1.716 χ^2/NDF: 414.8/38

In: 8.390+/-1.426 χ^2/NDF:785.2/40

Out: 13.306+/-1.370 χ^2/NDF:984.8/44

All: 10.946+/-0.988 χ^2/NDF: 1776.2/85

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 615.707+/-2.603 χ^2/NDF: 3386.5/17

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 601.227+/-2.149 χ^2/NDF: 8786.1/20

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

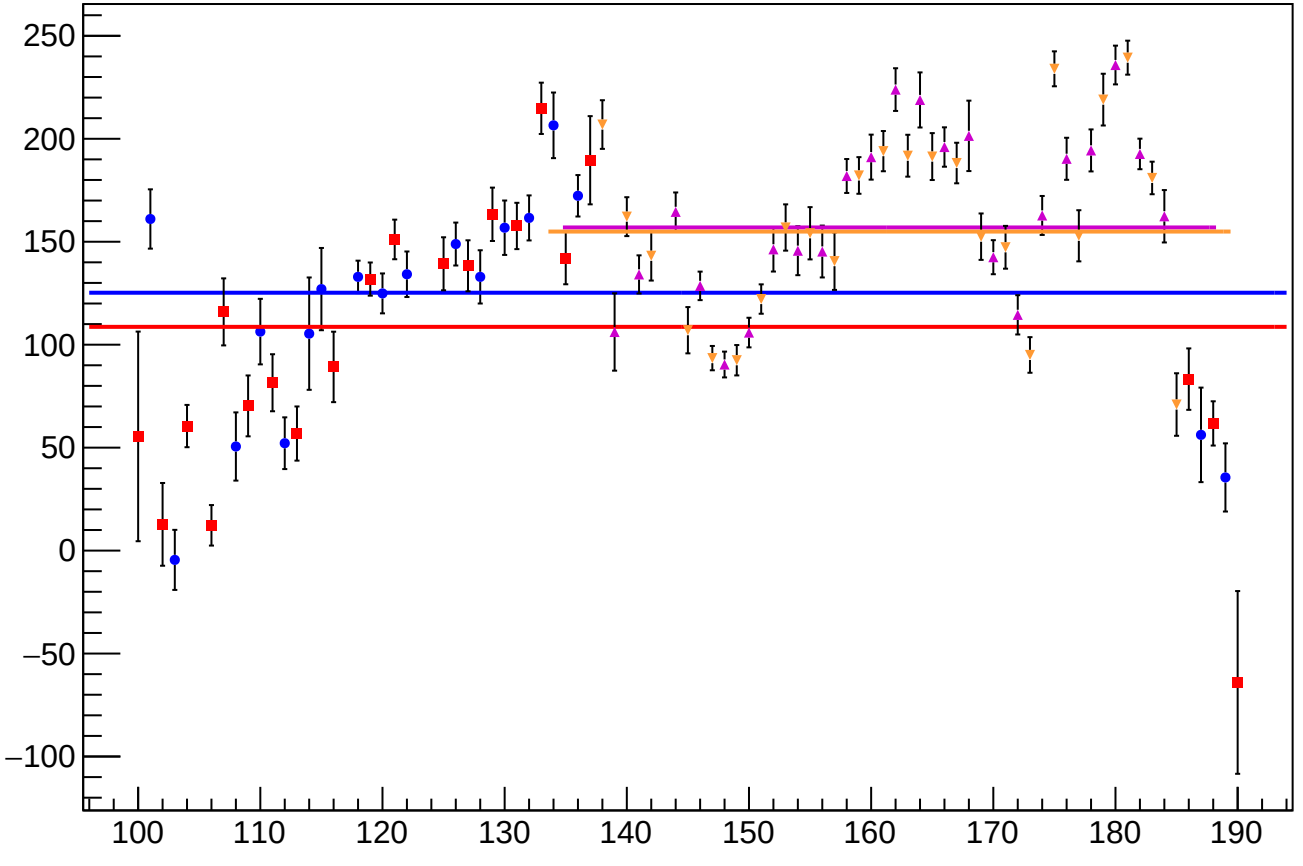
Right: 607.096+/-1.657 χ^2/NDF: 12191.0/38

In: 562.179+/-1.716 χ^2/NDF:6577.6/40

Out: 560.054+/-1.563 χ^2/NDF:12300.8/44

All: 561.017+/-1.156 χ^2/NDF: 18879.2/85

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 125.237+/-3.003 χ^2/NDF: 251.6/17

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 108.664+/-2.811 χ^2/NDF: 376.3/20

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

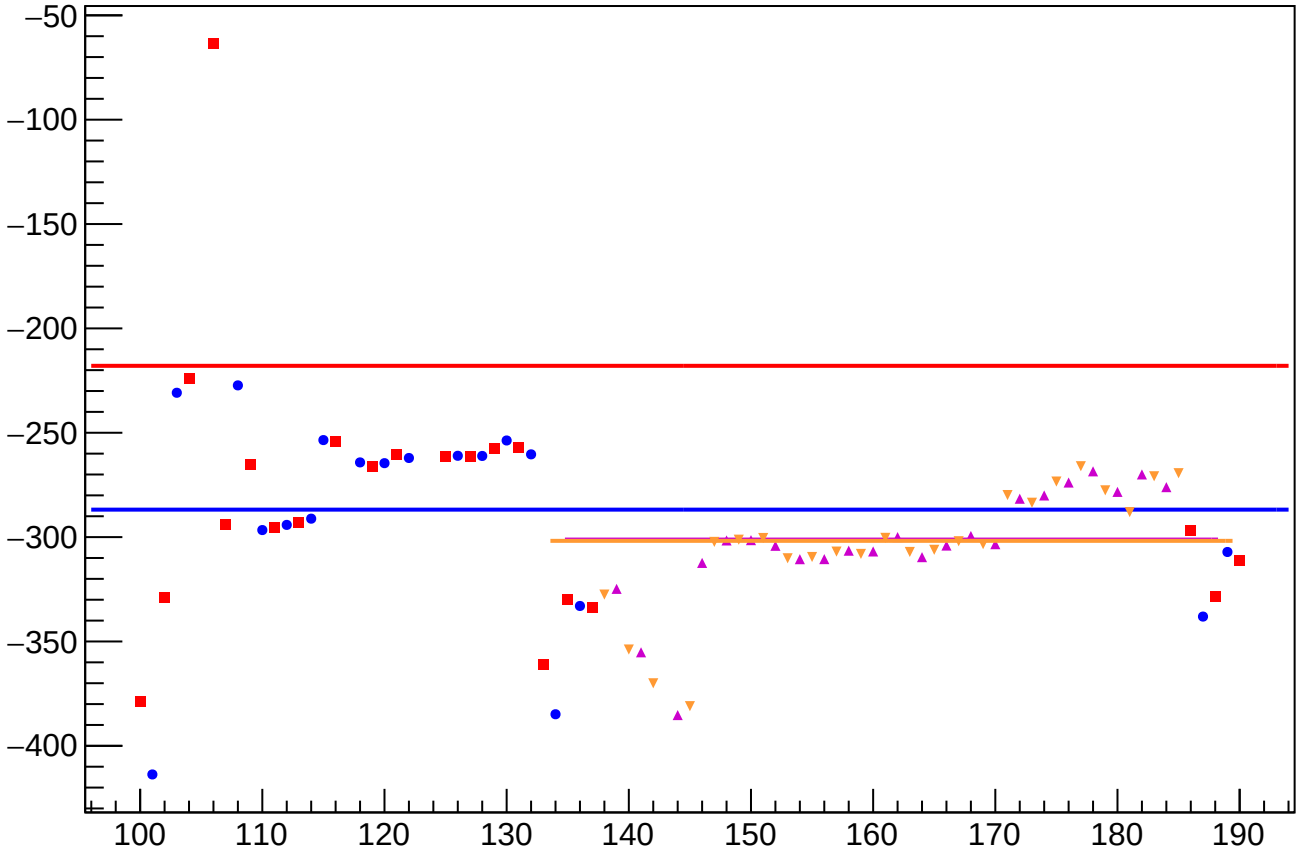
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 116.404+/-2.052 χ^2/NDF: 644.2/38

In: 147.388+/-1.648 χ^2/NDF:772.7/40

Out: 139.876+/-1.604 χ^2/NDF:1168.1/44

All: 143.531+/-1.149 χ^2/NDF: 1951.5/85



Right In: -286.834+/-0.171 χ^2/NDF: 106806.1/17

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -217.930+/-0.142 χ^2/NDF: 588420.5/20

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

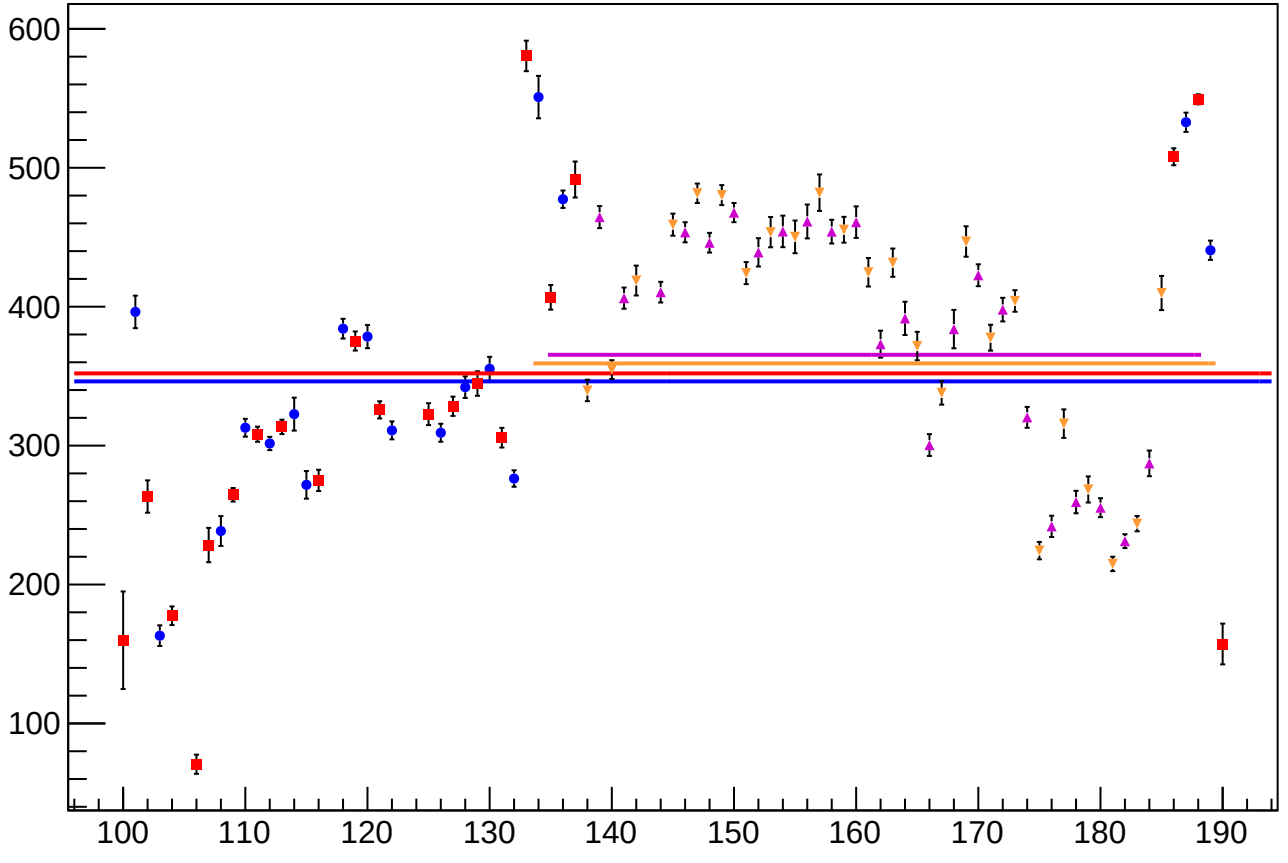
Right: -245.974+/-0.109 χ^2/NDF: 791023.8/38

In: -298.076+/-0.080 χ^2/NDF:187616.9/40

Out: -277.459+/-0.076 χ^2/NDF:922611.7/44

All: -287.345+/-0.055 χ^2/NDF: 1145058.4/85

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 346.236+/-1.737 χ^2/NDF: 2667.7/17

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 351.993+/-1.509 χ^2/NDF: 7513.8/20

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

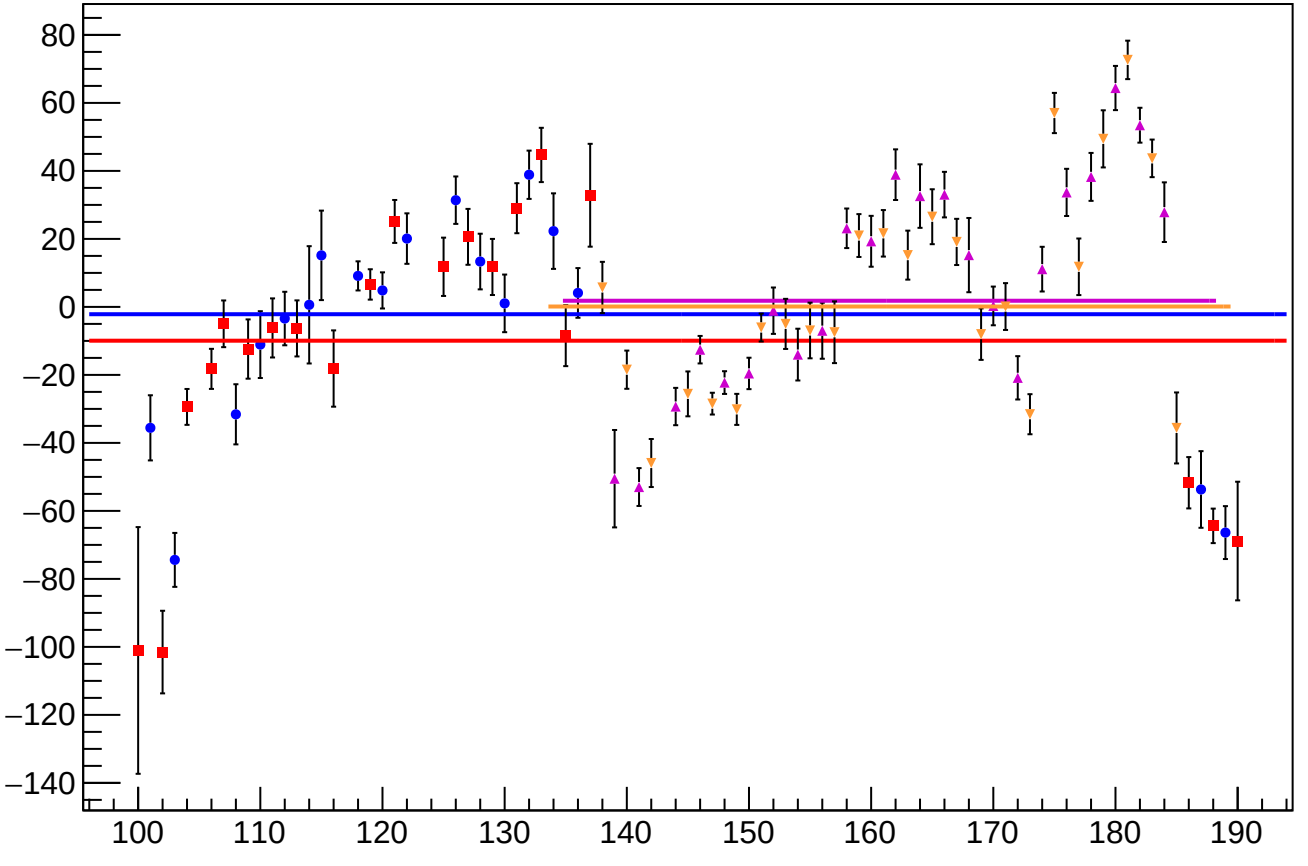
Right: 349.516+/-1.139 χ^2/NDF: 10187.8/38

In: 356.046+/-1.212 χ^2/NDF:5469.4/40

Out: 355.204+/-1.123 χ^2/NDF:10711.8/44

All: 355.593+/-0.824 χ^2/NDF: 16181.5/85

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.151+/-1.815 χ^2/NDF: 281.3/17

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -9.941+/-1.641 χ^2/NDF: 392.2/20

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

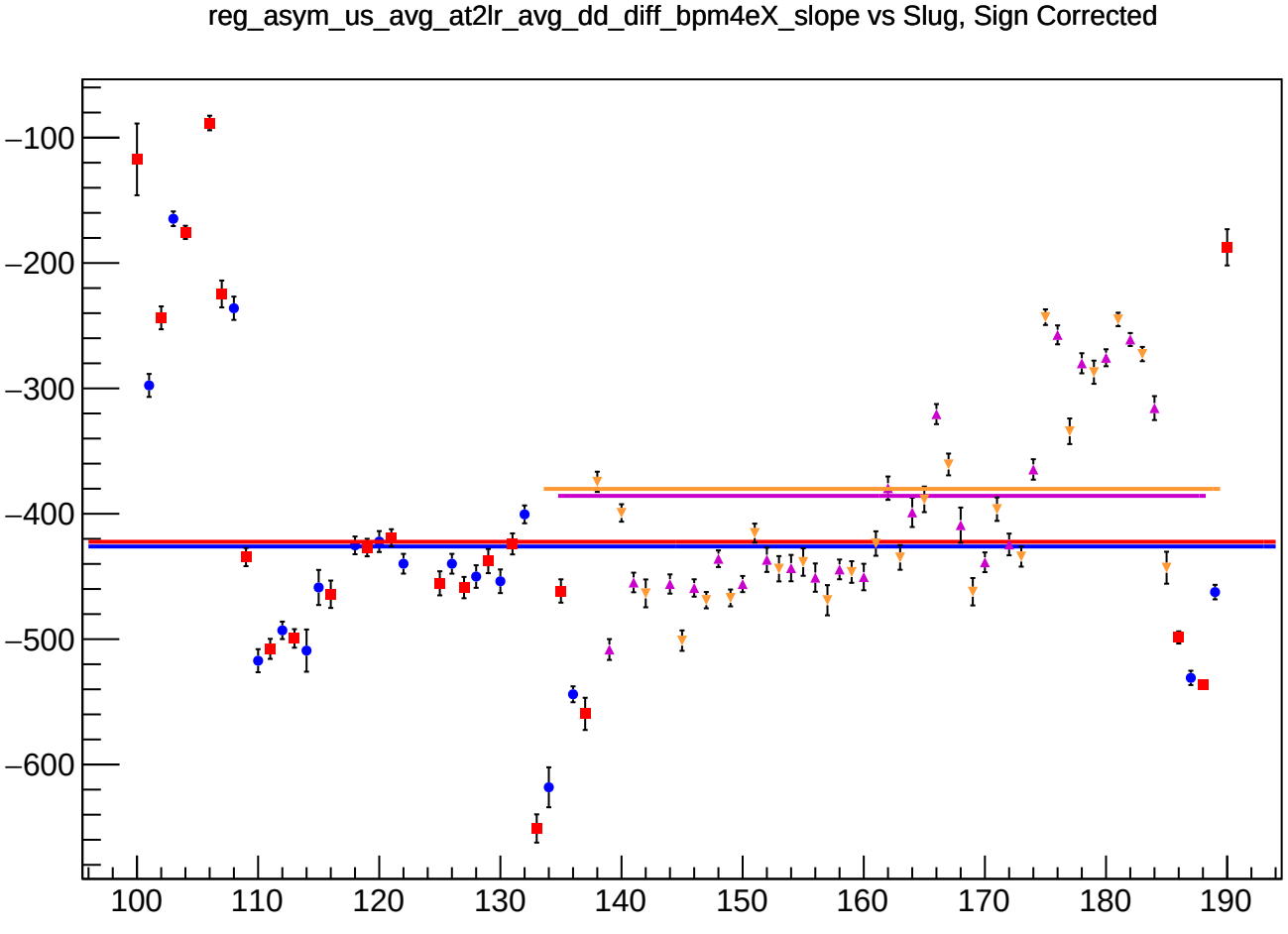
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -6.436+/-1.217 χ^2/NDF: 683.6/38

In: 0.513+/-1.039 χ^2/NDF:861.5/40

Out: -3.566+/-0.993 χ^2/NDF:1053.9/44

All: -1.619+/-0.718 χ^2/NDF: 1923.5/85



Right In: -426.105+/-1.847 χ^2/NDF: 3737.9/17

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -422.340+/-1.528 χ^2/NDF: 9138.7/20

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

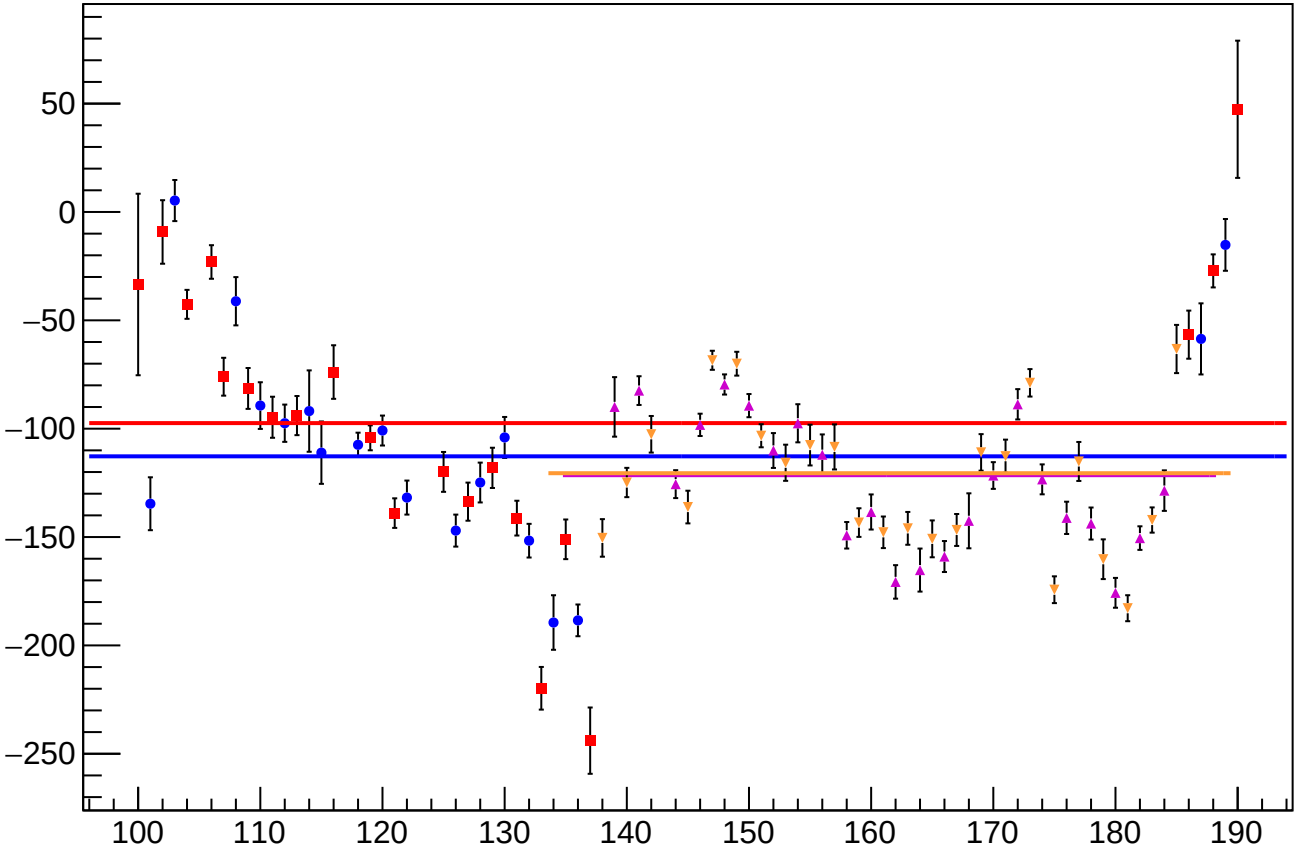
Right: -423.869+/-1.177 χ^2/NDF: 12879.0/38

In: -403.969+/-1.242 χ^2/NDF:6361.1/40

Out: -403.112+/-1.127 χ^2/NDF:12104.9/44

All: -403.499+/-0.835 χ^2/NDF: 18466.3/85

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -112.758+/-2.140 χ^2/NDF: 489.2/17

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -97.420+/-1.980 χ^2/NDF: 706.7/20

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

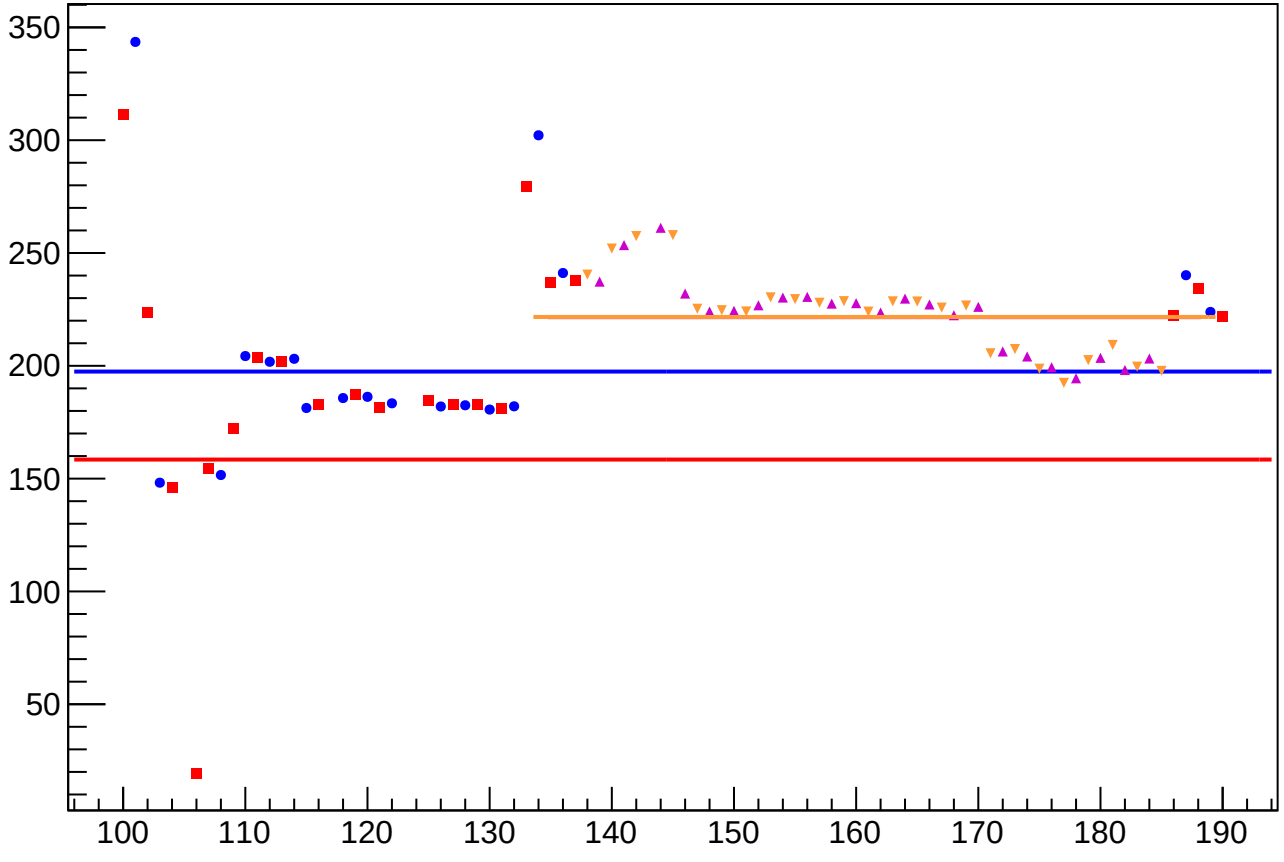
Right: -104.495+/-1.453 χ^2/NDF: 1223.7/38

In: -118.717+/-1.200 χ^2/NDF:933.2/40

Out: -112.577+/-1.162 χ^2/NDF:1407.6/44

All: -115.548+/-0.835 χ^2/NDF: 2354.3/85

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 197.451+/-0.121 χ^2/NDF: 181665.0/17

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 158.453+/-0.105 χ^2/NDF: 548995.2/20

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

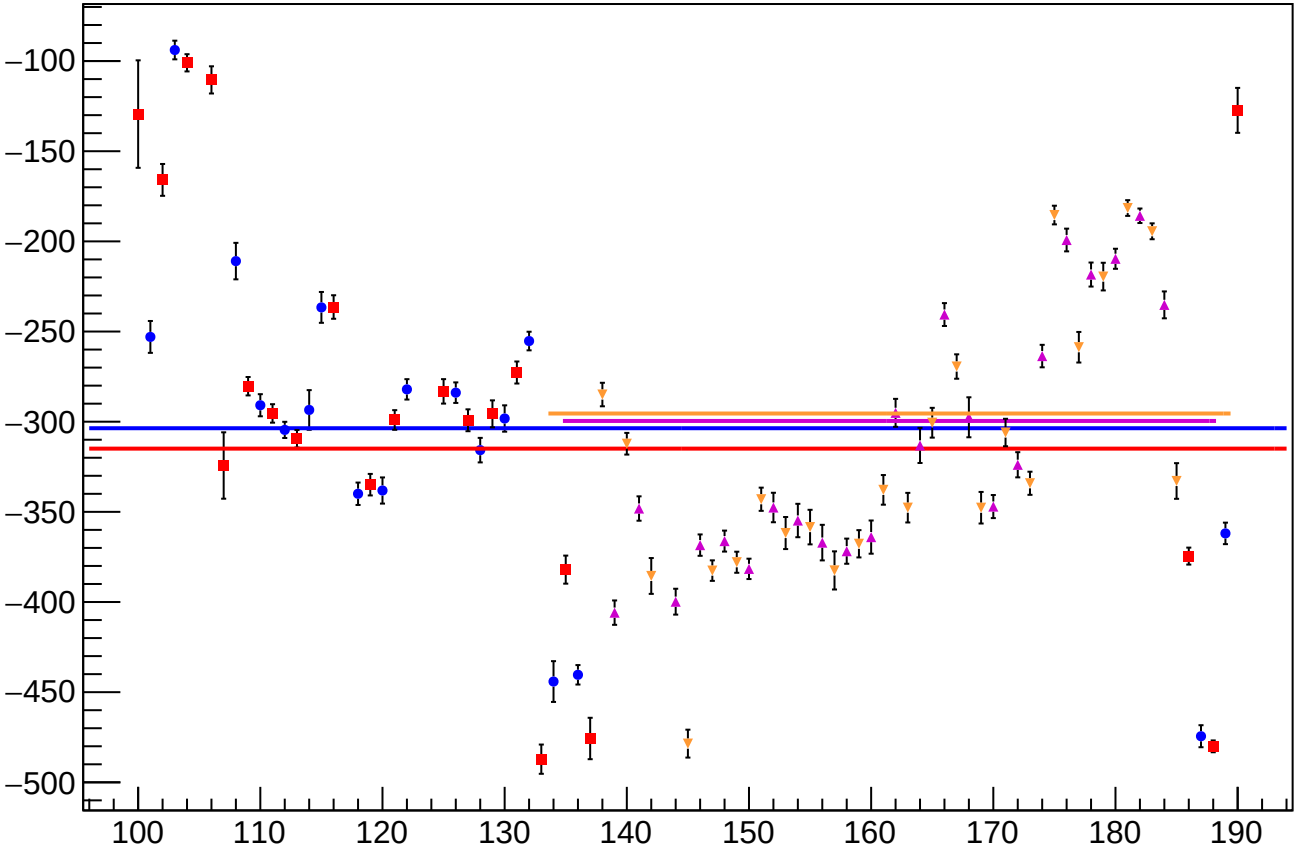
Right: 175.243+/-0.079 χ^2/NDF: 790213.8/38

In: 215.986+/-0.058 χ^2/NDF:274530.4/40

Out: 203.455+/-0.056 χ^2/NDF:874886.1/44

All: 209.526+/-0.040 χ^2/NDF: 1173451.0/85

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -303.625+/-1.507 χ^2/NDF: 3675.0/17

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -314.934+/-1.336 χ^2/NDF: 7016.9/20

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

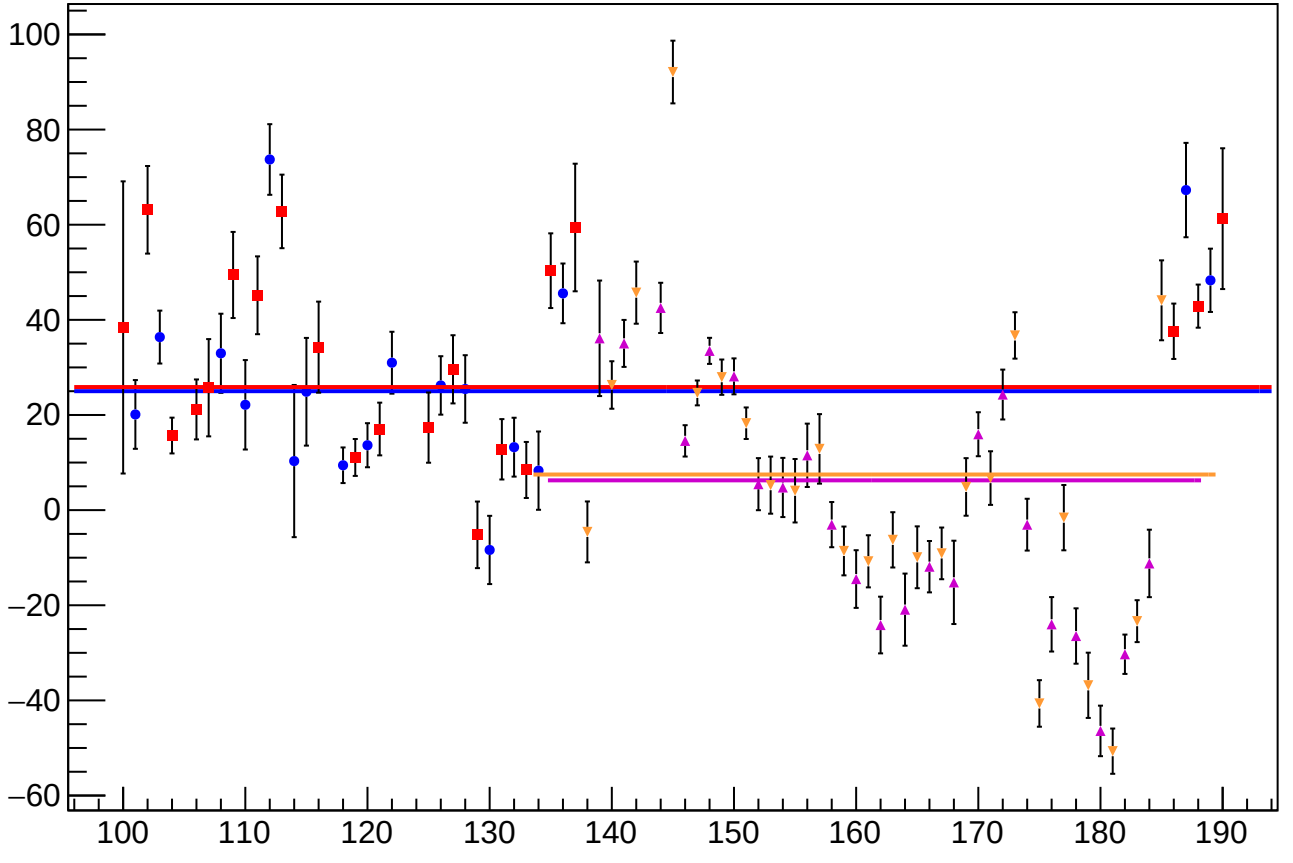
Right: -309.958+/-1.000 χ^2/NDF: 10723.4/38

In: -301.453+/-1.025 χ^2/NDF:6650.5/40

Out: -305.602+/-0.964 χ^2/NDF:10465.0/44

All: -303.653+/-0.702 χ^2/NDF: 17124.2/85

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.004+/-1.555 χ^2/NDF: 144.3/17

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 25.873+/-1.431 χ^2/NDF: 151.6/20

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

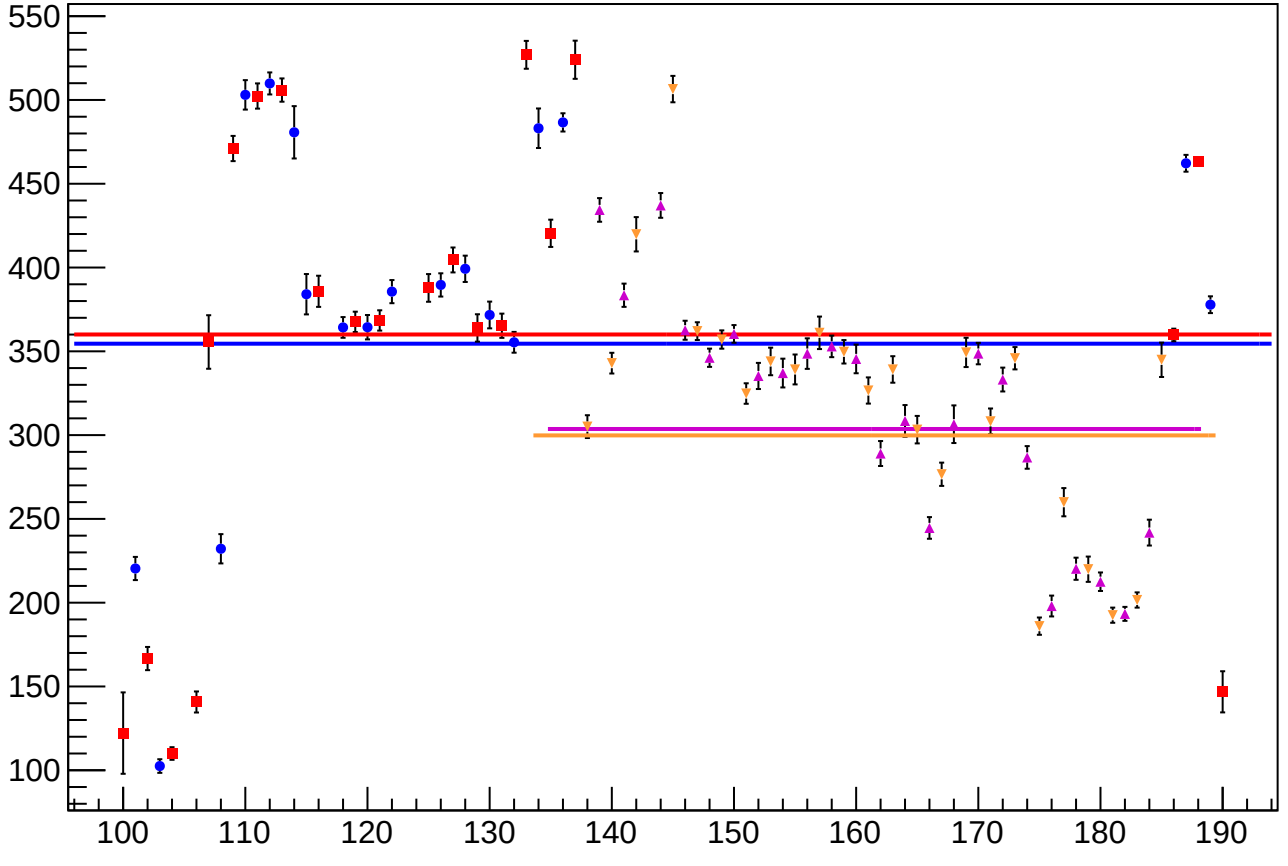
Right: 25.475+/-1.053 χ^2/NDF: 296.1/38

In: 12.089+/-0.867 χ^2/NDF:803.8/40

Out: 13.759+/-0.836 χ^2/NDF:998.9/44

All: 12.955+/-0.602 χ^2/NDF: 1804.6/85

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 354.548+/-1.568 χ^2/NDF: 6607.8/17

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 360.047+/-1.325 χ^2/NDF: 10075.7/20

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

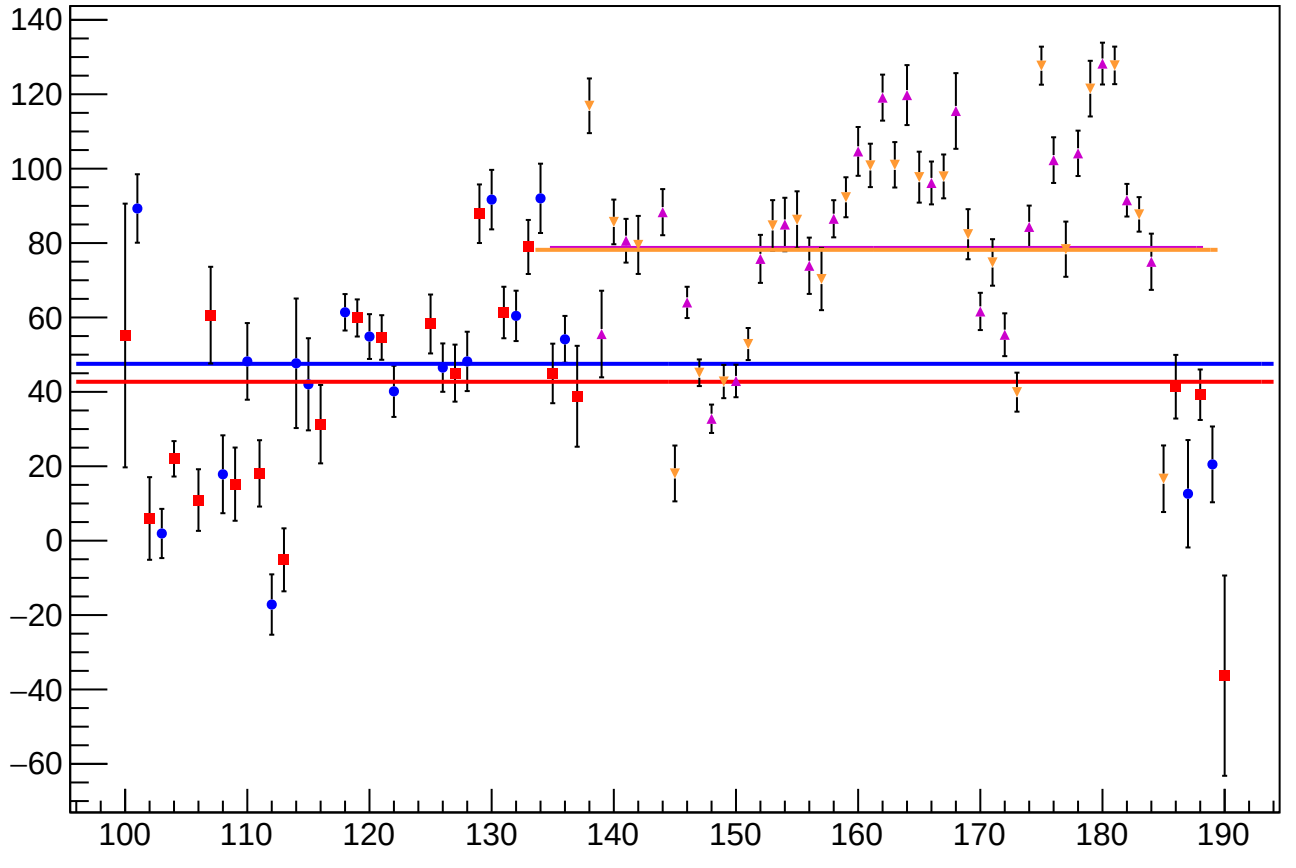
Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

Right: 357.757+/-1.012 χ^2/NDF: 16690.7/38

In: 325.916+/-1.037 χ^2/NDF:10073.2/40

Out: 331.193+/-0.956 χ^2/NDF:14142.3/44

All: 328.769+/-0.703 χ^2/NDF: 24229.4/85



Right In: 47.537+/-1.836 χ^2/NDF: 221.5/17

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 42.710+/-1.730 χ^2/NDF: 189.0/20

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

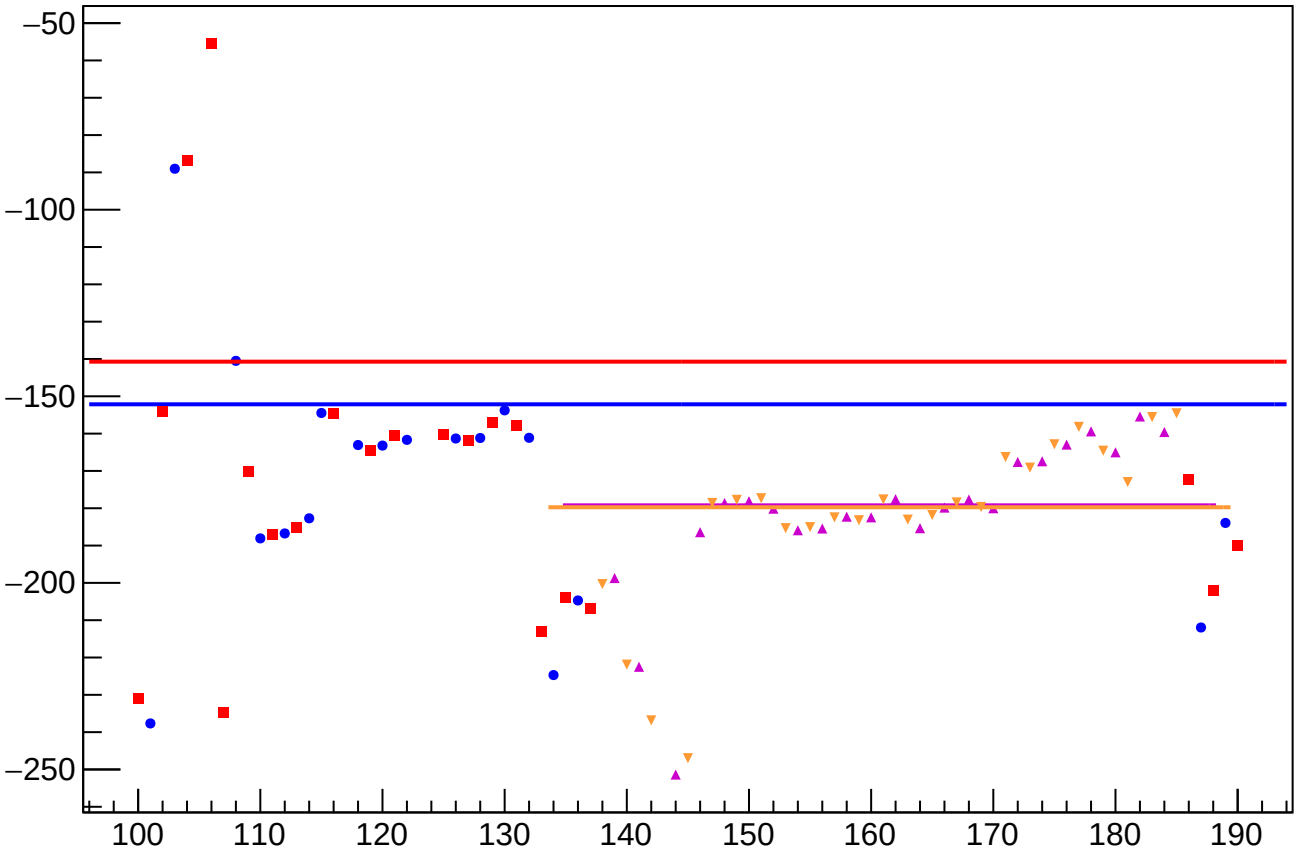
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 44.980+/-1.259 χ^2/NDF: 414.2/38

In: 69.421+/-1.001 χ^2/NDF:912.3/40

Out: 66.859+/-0.977 χ^2/NDF:1138.6/44

All: 68.109+/-0.699 χ^2/NDF: 2054.2/85



Right In: -152.146+/-0.098 χ^2/NDF: 267304.5/17

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -140.717+/-0.092 χ^2/NDF: 352391.6/20

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

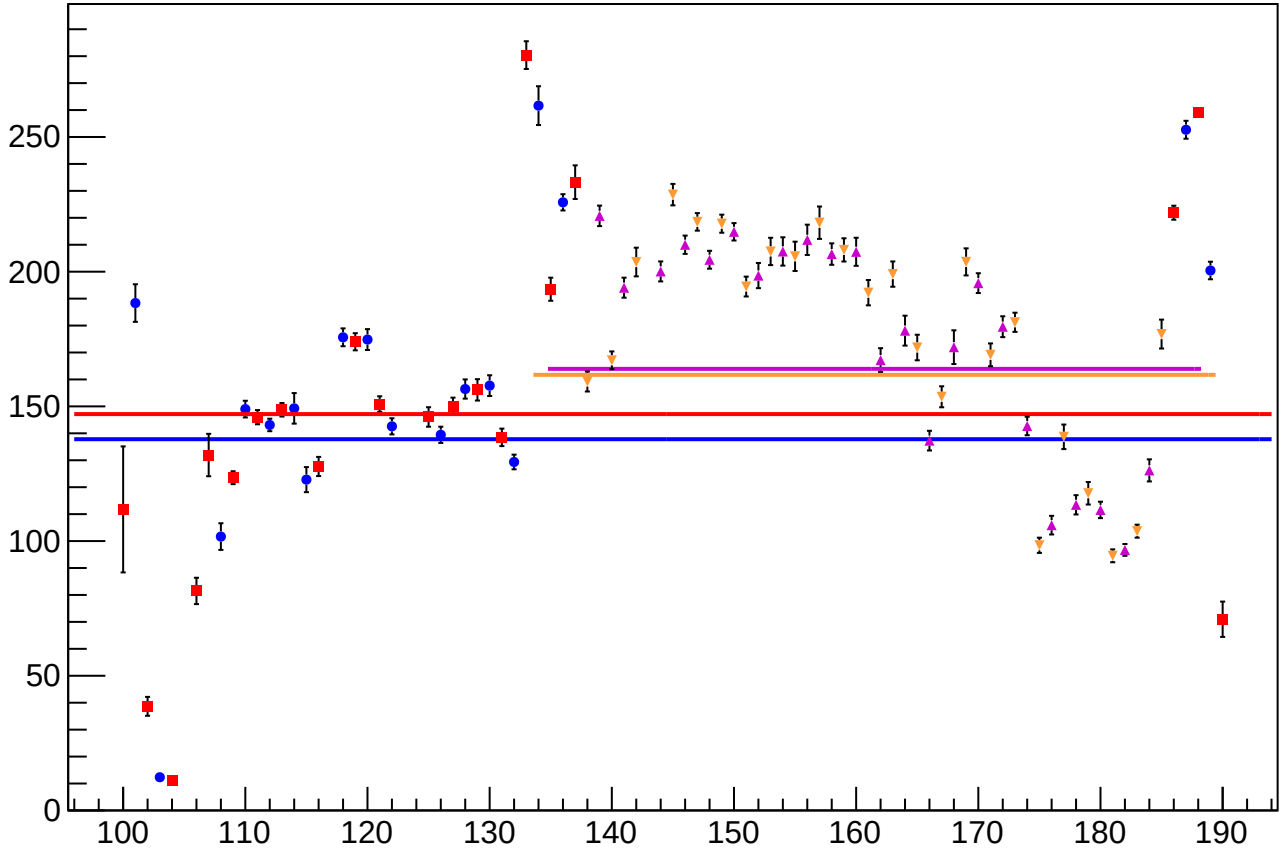
Right: -146.082+/-0.067 χ^2/NDF: 626945.0/38

In: -172.799+/-0.048 χ^2/NDF:439309.5/40

Out: -169.460+/-0.047 χ^2/NDF:617182.5/44

All: -171.115+/-0.034 χ^2/NDF: 1058972.9/85

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 137.813+/-0.766 χ^2/NDF: 7901.2/17

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 147.134+/-0.680 χ^2/NDF: 12905.1/20

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

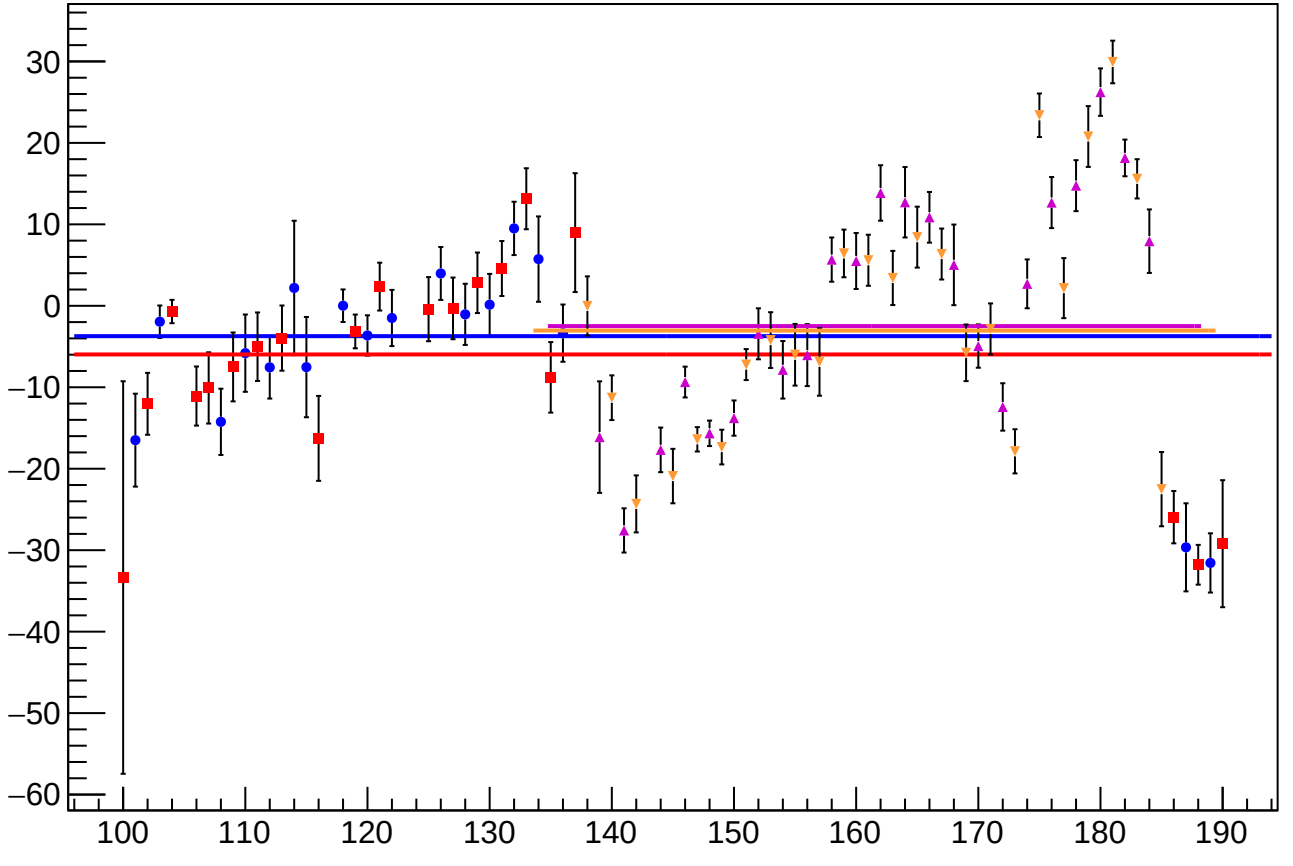
Right: 143.023+/-0.508 χ^2/NDF: 20889.2/38

In: 150.640+/-0.546 χ^2/NDF:11808.2/40

Out: 153.463+/-0.512 χ^2/NDF:16691.9/44

All: 152.144+/-0.373 χ^2/NDF: 28514.3/85

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.727+/-0.803 χ^2/NDF: 126.9/17

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -5.972+/-0.713 χ^2/NDF: 244.2/20

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

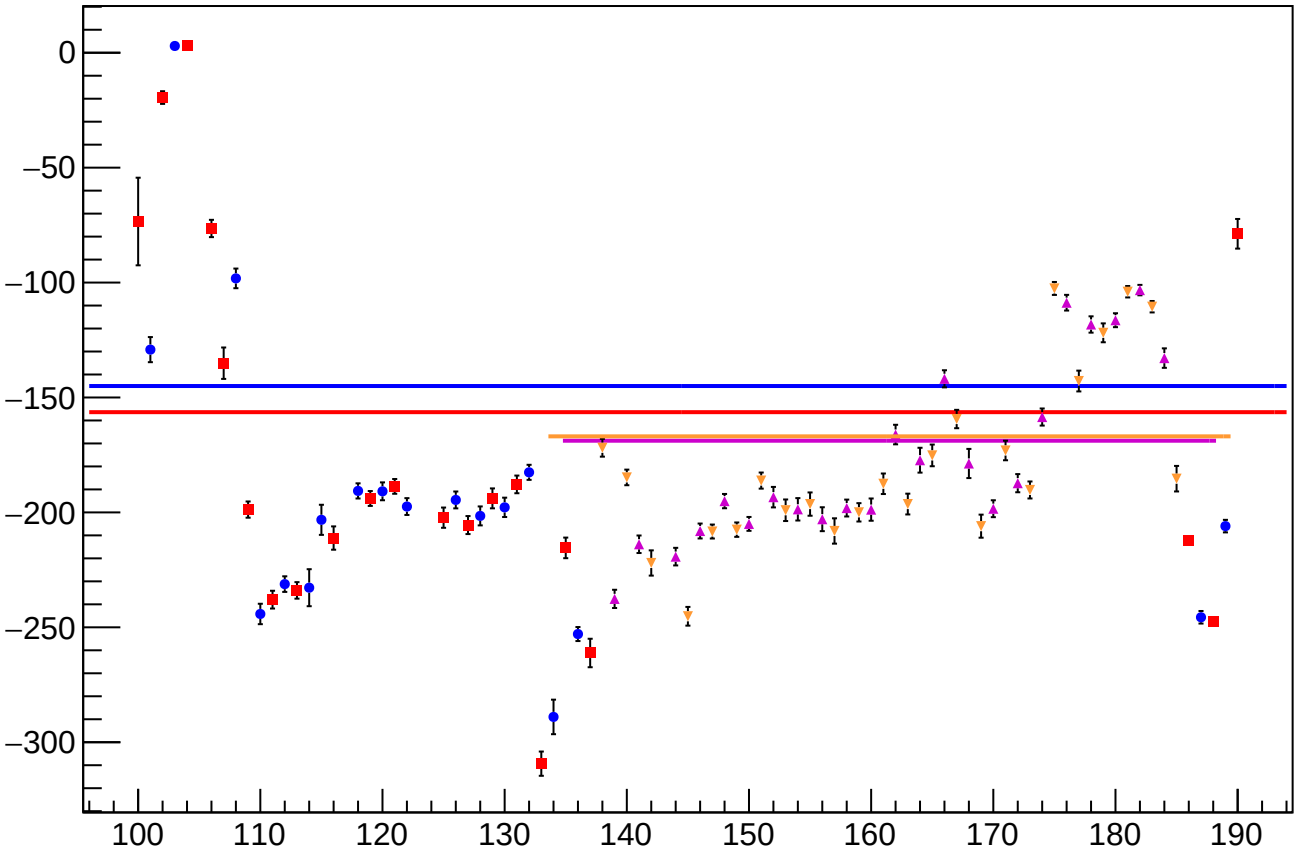
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -4.982+/-0.533 χ^2/NDF: 375.5/38

In: -2.922+/-0.474 χ^2/NDF:691.3/40

Out: -4.202+/-0.449 χ^2/NDF:908.9/44

All: -3.596+/-0.326 χ^2/NDF: 1604.1/85



Right In: -145.014+/-0.775 χ^2/NDF: 16879.2/17

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -156.388+/-0.664 χ^2/NDF: 23295.4/20

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

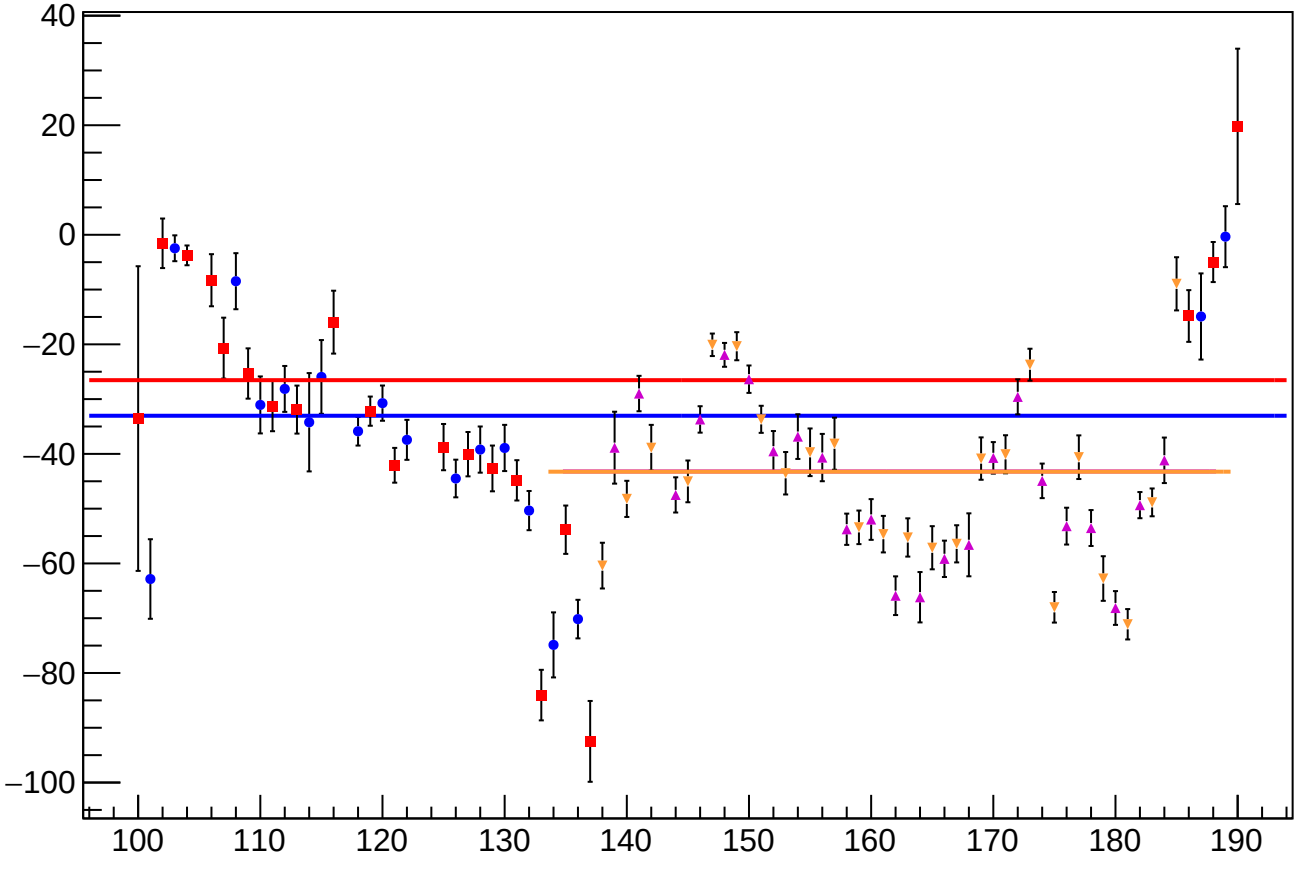
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

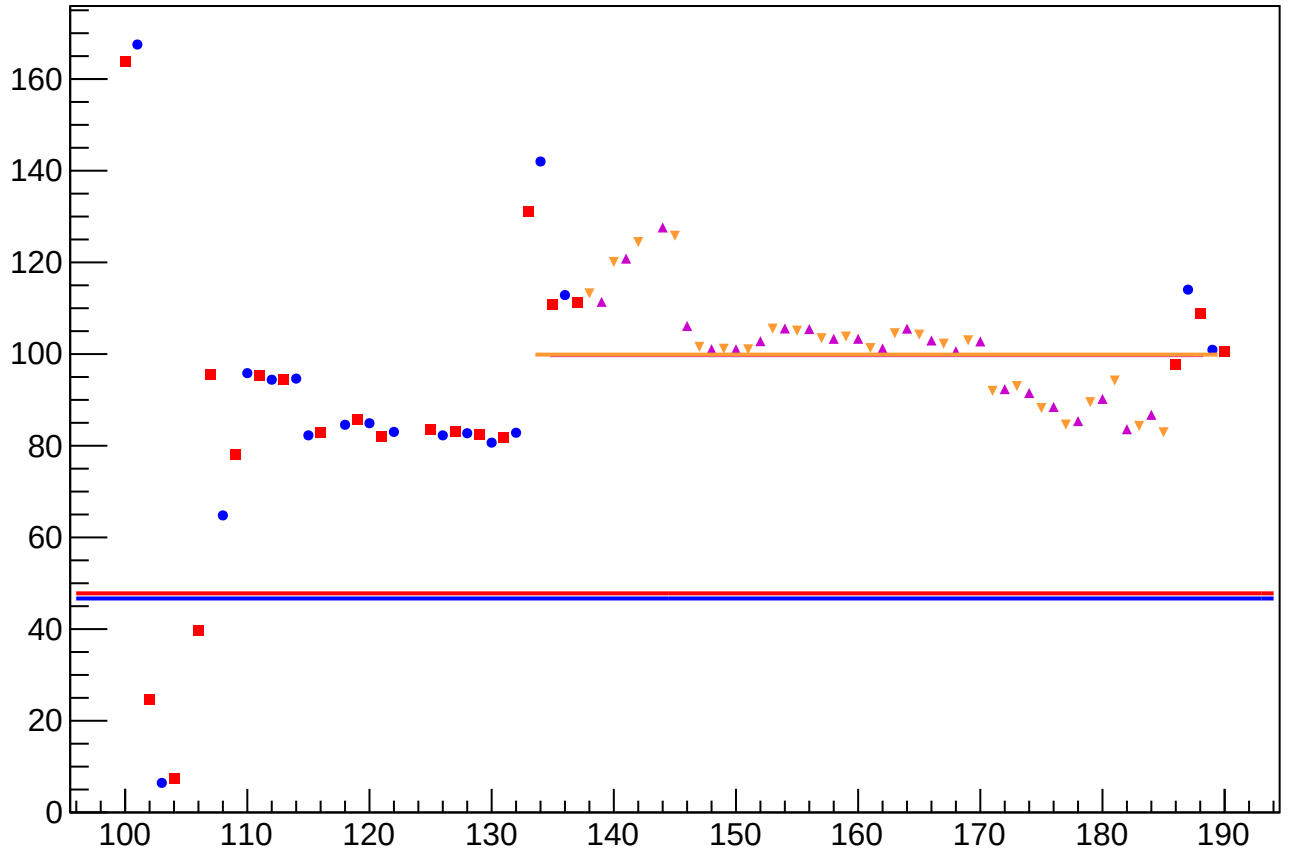
Right: -151.577+/-0.504 χ^2/NDF: 40298.8/38

In: -156.955+/-0.547 χ^2/NDF:20411.5/40

Out: -160.869+/-0.503 χ^2/NDF:26498.6/44

All: -159.076+/-0.370 χ^2/NDF: 46937.9/85


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: -33.038+/-0.947 χ²/NDF: 452.8/17
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -26.541+/-0.864 χ²/NDF: 624.2/20
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -29.493+/-0.638 χ²/NDF: 1102.7/38
In: -39.813+/-0.547 χ²/NDF:935.5/40
Out: -37.043+/-0.526 χ²/NDF:1469.6/44
All: -38.375+/-0.379 χ²/NDF: 2418.4/85



Right In: 46.678+/-0.044 χ^2/NDF: 1157128.4/17

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 47.799+/-0.043 χ^2/NDF: 952820.6/20

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

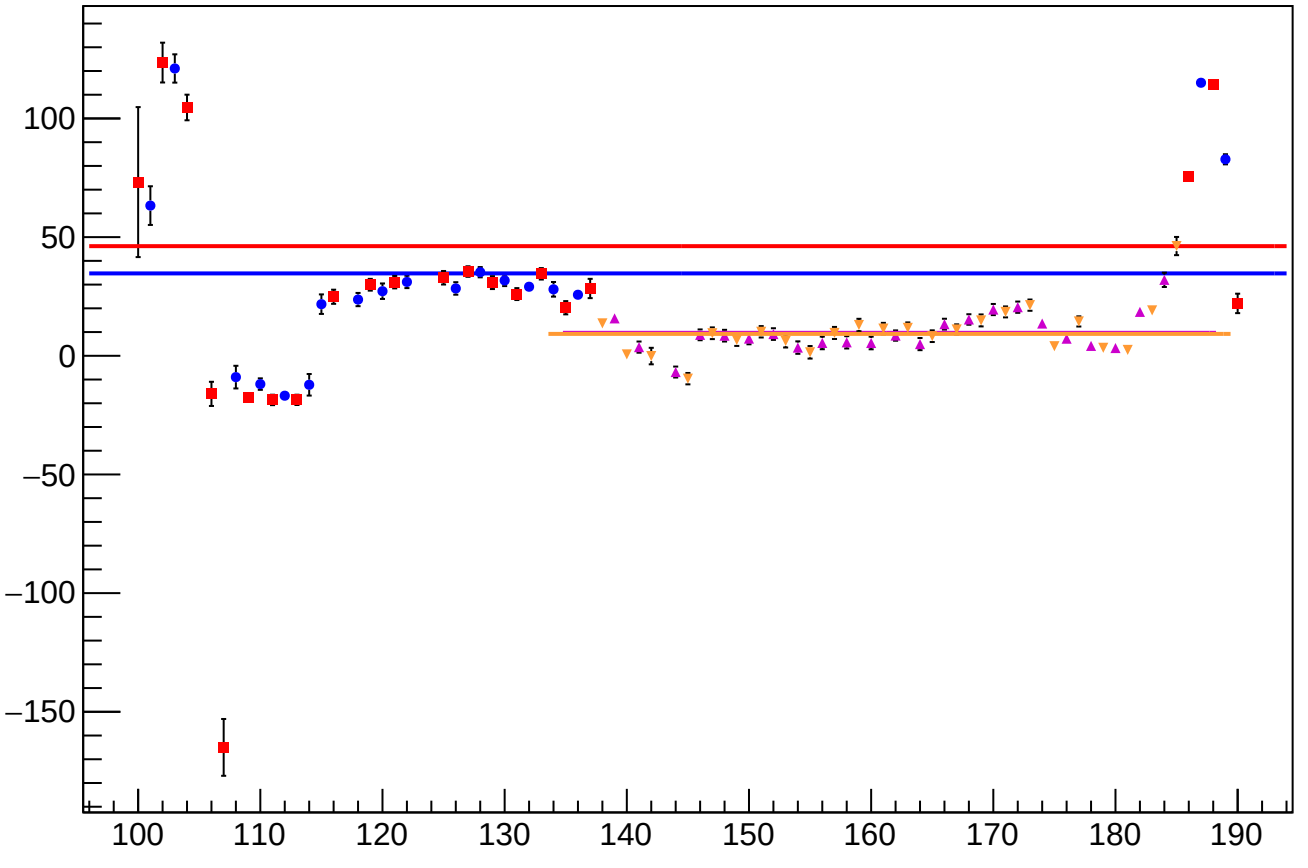
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 47.248+/-0.031 χ^2/NDF: 2110278.4/38

In: 82.515+/-0.025 χ^2/NDF:2251991.7/40

Out: 82.399+/-0.025 χ^2/NDF:2038234.3/44

All: 82.457+/-0.018 χ^2/NDF: 4290236.7/85



Right In: 34.716+/-0.621 χ^2/NDF: 3643.4/17

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 46.199+/-0.533 χ^2/NDF: 7727.3/20

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

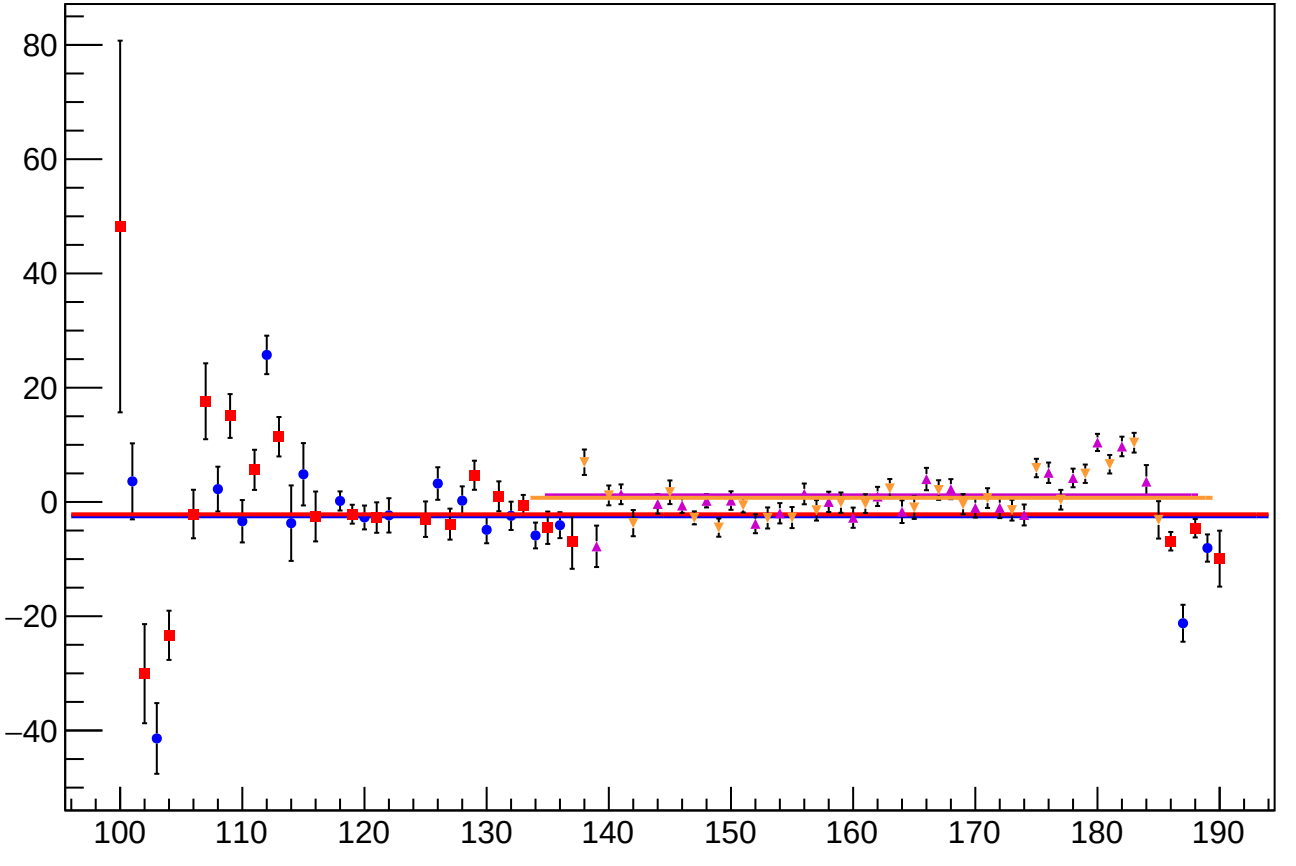
Right: 41.328+/-0.405 χ^2/NDF: 11567.5/38

In: 18.603+/-0.371 χ^2/NDF:4935.7/40

Out: 24.864+/-0.347 χ^2/NDF:10829.6/44

All: 21.944+/-0.253 χ^2/NDF: 15917.3/85

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.504+/-0.657 χ^2/NDF: 164.6/17

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.164+/-0.601 χ^2/NDF: 111.3/20

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

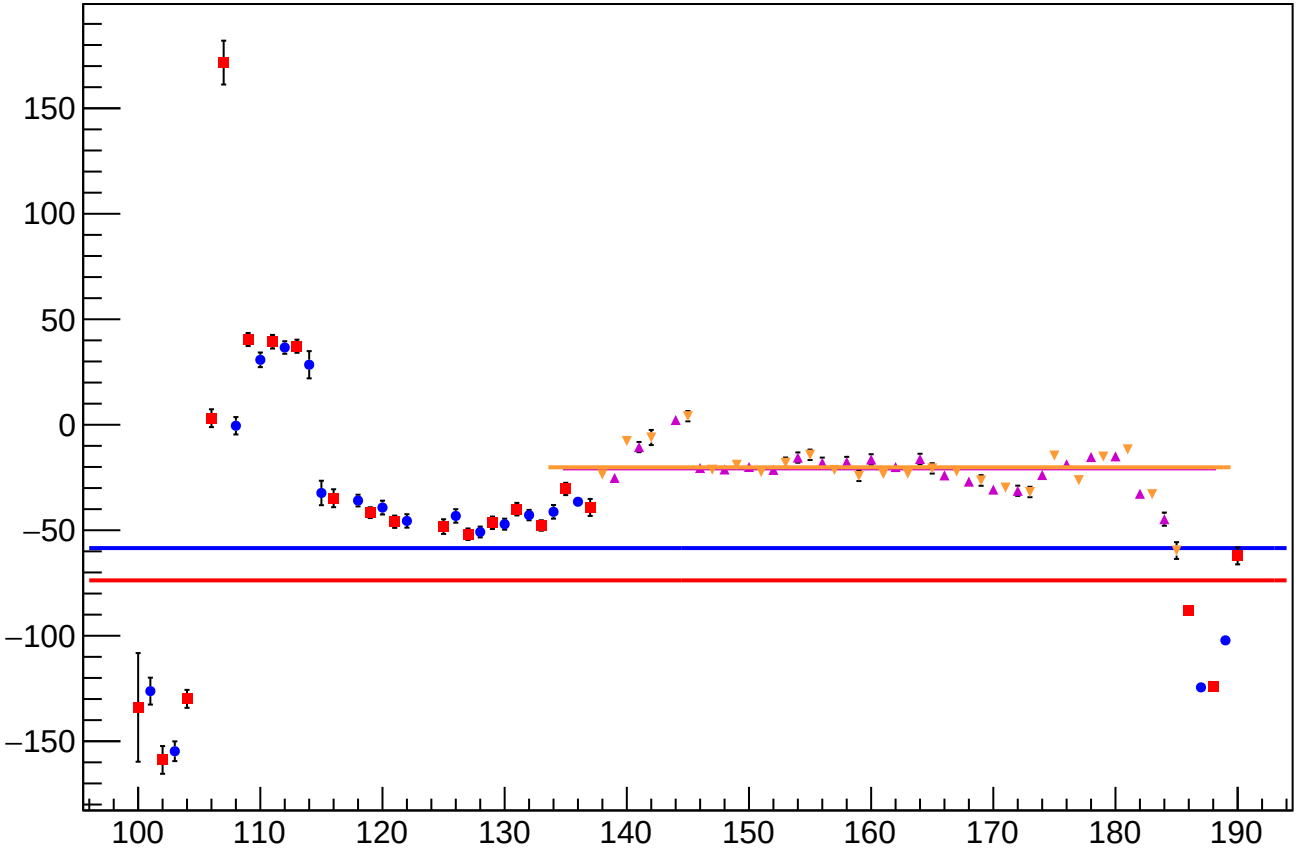
Right: -2.319+/-0.443 χ^2/NDF: 276.0/38

In: 0.320+/-0.314 χ^2/NDF:299.0/40

Out: -0.001+/-0.302 χ^2/NDF:238.3/44

All: 0.153+/-0.218 χ^2/NDF: 537.8/85

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.452+/-0.658 χ^2/NDF: 5219.6/17

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -73.759+/-0.523 χ^2/NDF: 9252.8/20

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

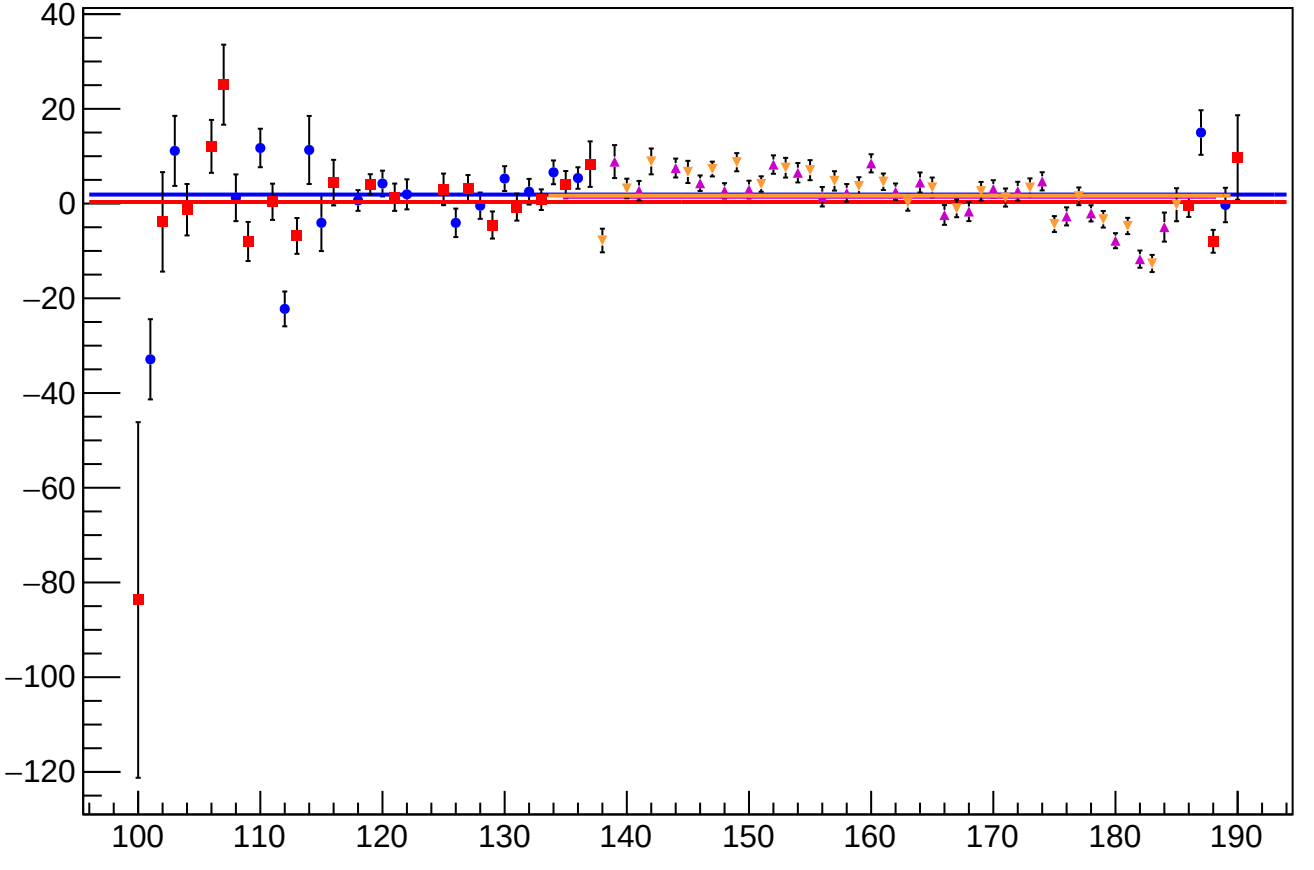
Right: -67.839+/-0.409 χ^2/NDF: 14804.2/38

In: -32.993+/-0.376 χ^2/NDF:7750.2/40

Out: -43.118+/-0.342 χ^2/NDF:15687.8/44

All: -38.529+/-0.253 χ^2/NDF: 23835.2/85

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.900+/-0.768 χ^2/NDF: 91.5/17

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.337+/-0.733 χ^2/NDF: 51.9/20

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

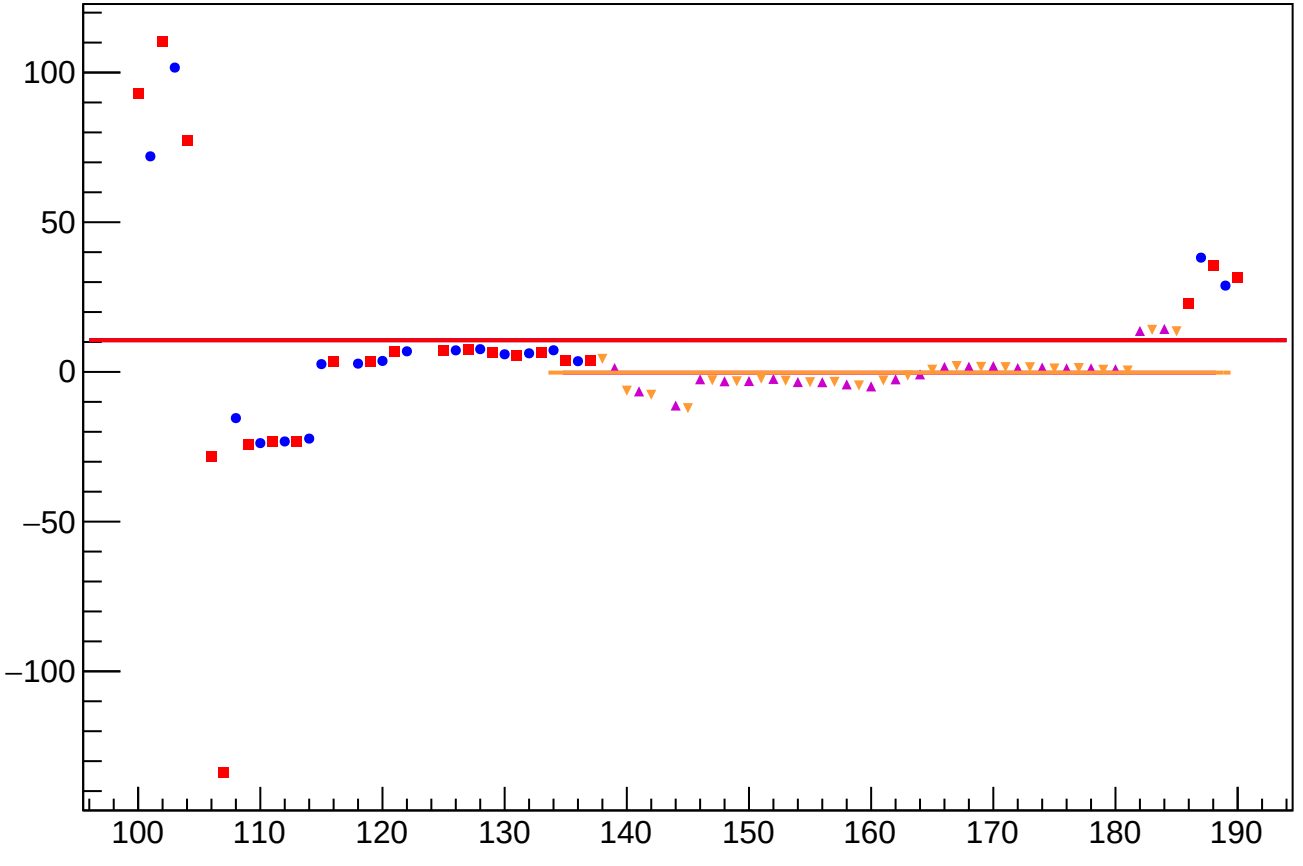
Right: 1.082+/-0.530 χ^2/NDF: 145.6/38

In: 1.530+/-0.357 χ^2/NDF:254.6/40

Out: 1.371+/-0.348 χ^2/NDF:232.5/44

All: 1.448+/-0.249 χ^2/NDF: 487.2/85

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.602+/-0.046 χ^2/NDF: 338850.1/17

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 10.588+/-0.045 χ^2/NDF: 509148.9/20

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

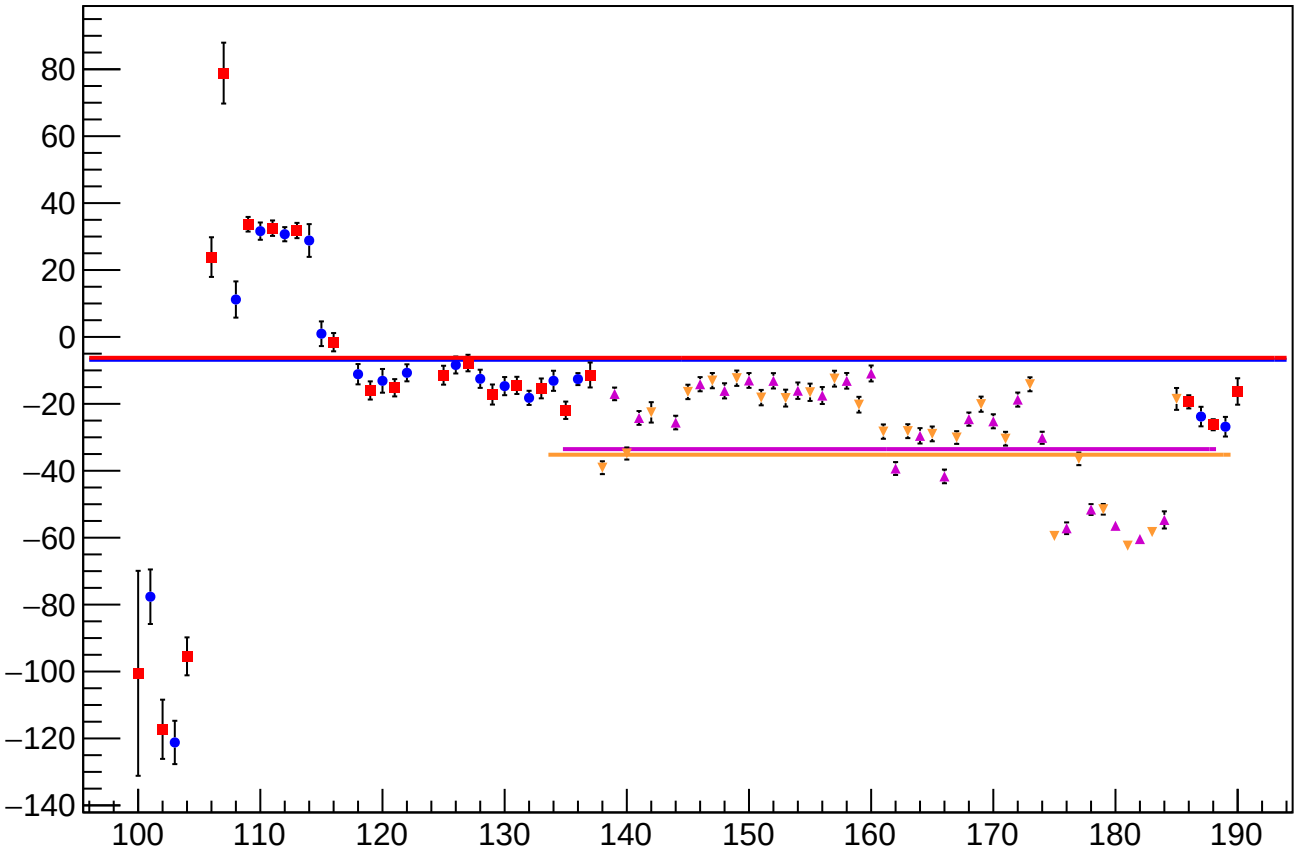
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 10.595+/-0.032 χ^2/NDF: 847999.0/38

In: 1.150+/-0.017 χ^2/NDF:460701.2/40

Out: 1.185+/-0.016 χ^2/NDF:639281.6/44

All: 1.167+/-0.012 χ^2/NDF: 1099985.0/85



Right In: -6.826+/-0.673 χ^2/NDF: 1136.0/17

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -6.238+/-0.612 χ^2/NDF: 1720.3/20

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

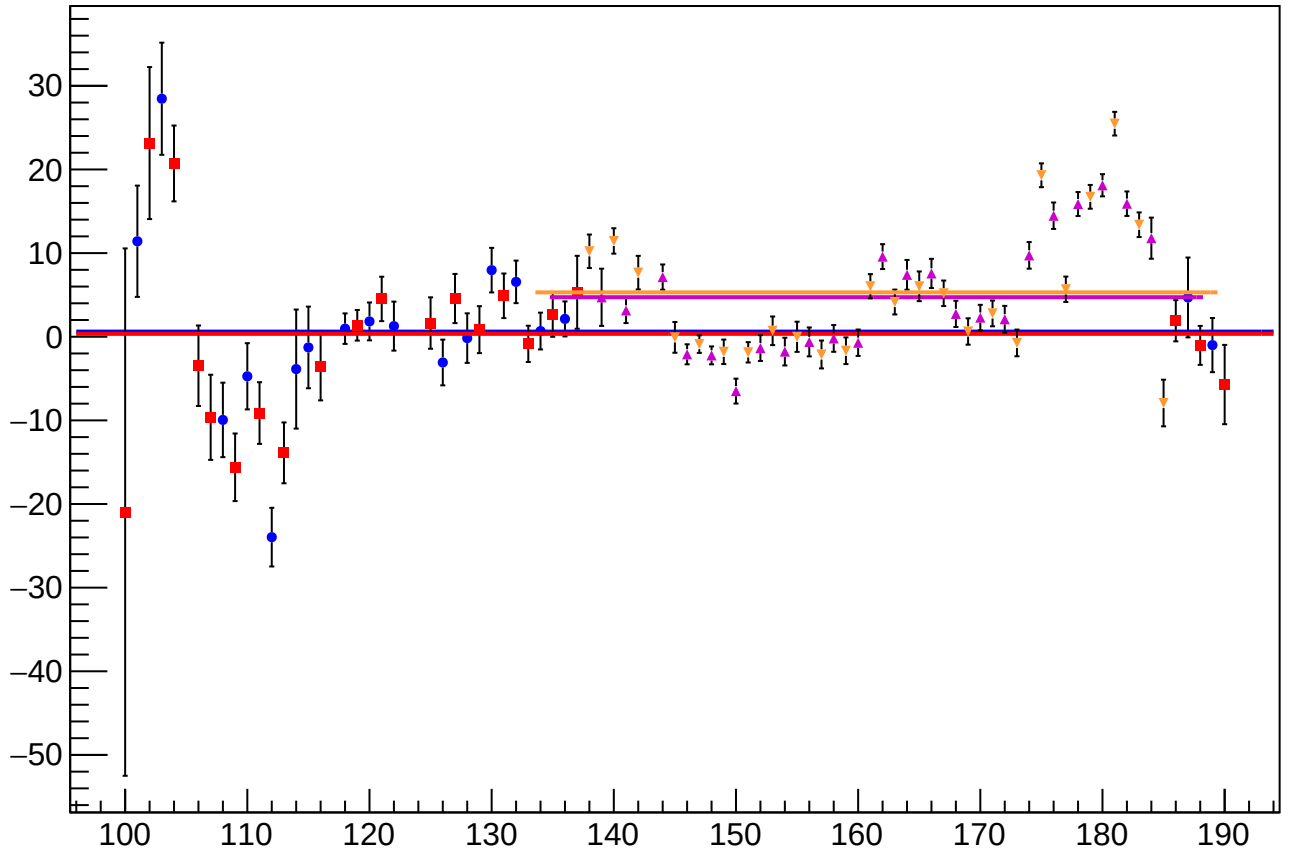
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

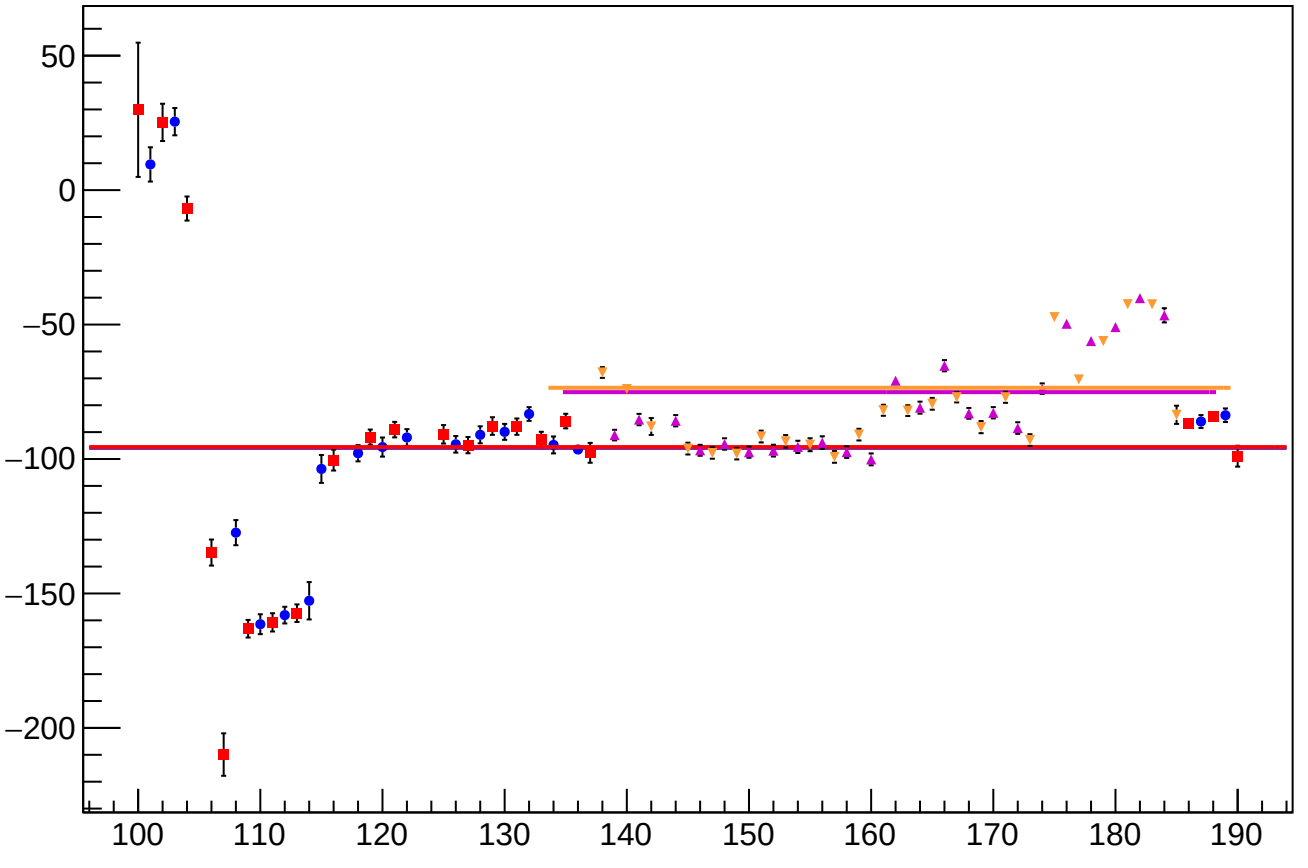
Right: -6.505+/-0.453 χ^2/NDF: 2856.8/38

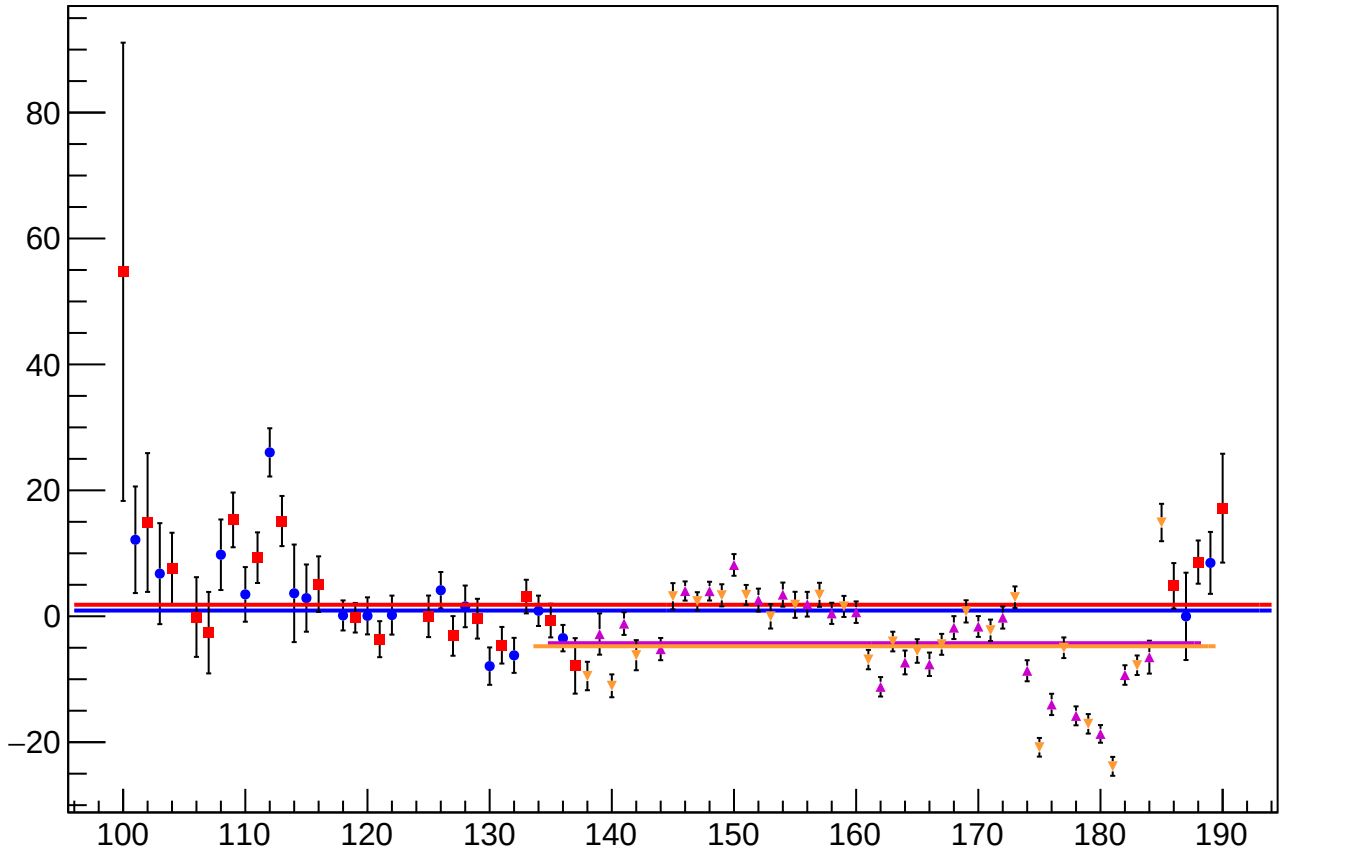
In: -26.203+/-0.352 χ^2/NDF:4085.0/40

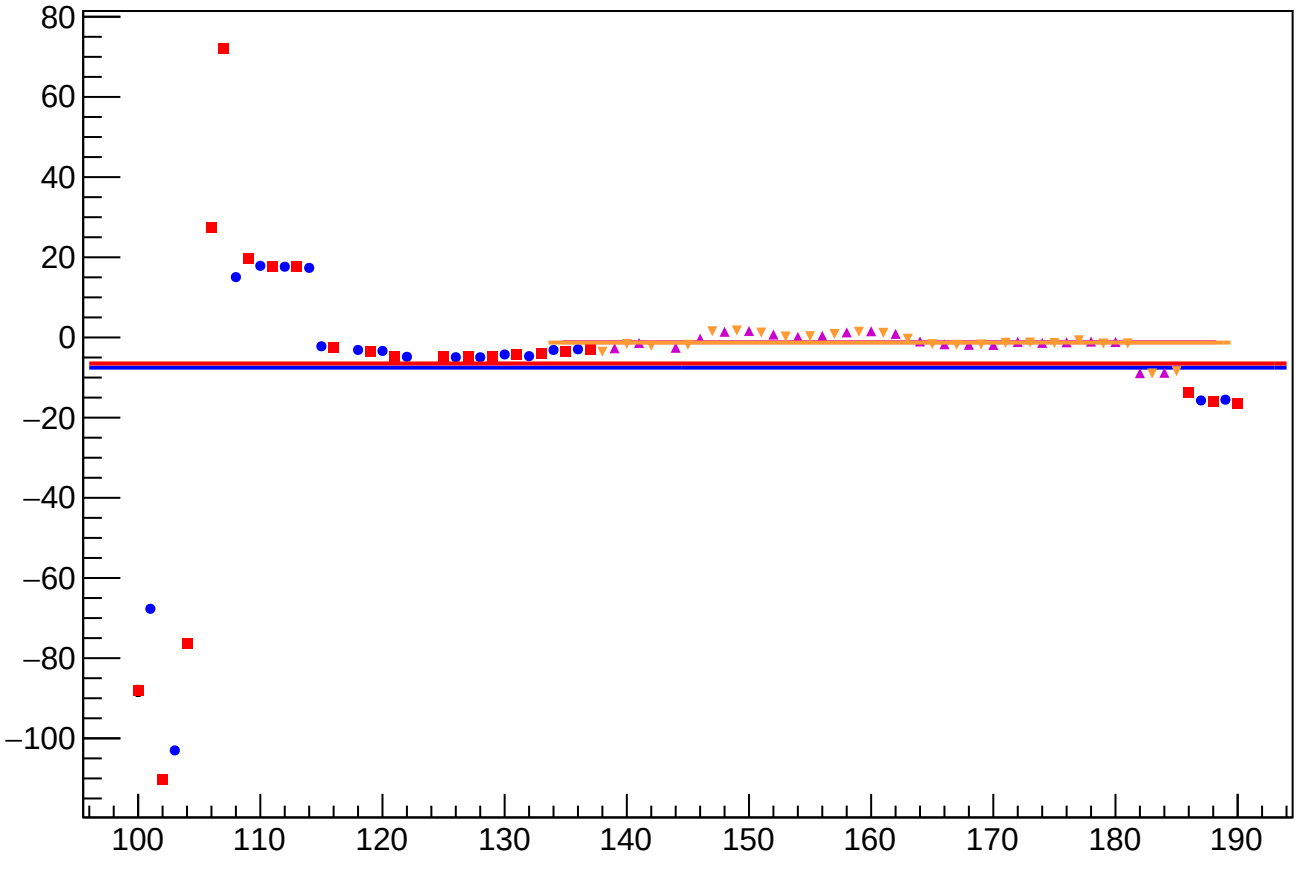
Out: -26.294+/-0.340 χ^2/NDF:5119.5/44

All: -26.251+/-0.245 χ^2/NDF: 9204.5/85


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
190
Right In: 0.616+/-0.702 χ²/NDF: 93.9/17
Left Out: 5.307+/-0.315 χ²/NDF:624.4/23
Right Out: 0.345+/-0.682 χ²/NDF: 82.6/20
Left In: 4.727+/-0.321 χ²/NDF:496.0/22
Left: 5.023+/-0.225 χ²/NDF: 1122.0/46
Right: 0.477+/-0.489 χ²/NDF: 176.5/38
In: 4.015+/-0.292 χ²/NDF:618.2/40
Out: 4.435+/-0.286 χ²/NDF:750.6/44
All: 4.229+/-0.204 χ²/NDF: 1369.8/85


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: -95.806+/-0.736 χ²/NDF: 1747.6/17
Left Out: -73.506+/-0.405 χ²/NDF:2392.0/23
Right Out: -95.571+/-0.638 χ²/NDF: 2287.7/20
Left In: -75.133+/-0.410 χ²/NDF:2361.9/22
Left: -74.310+/-0.288 χ²/NDF: 4761.8/46
Right: -95.672+/-0.482 χ²/NDF: 4035.4/38
In: -80.024+/-0.358 χ²/NDF:4711.0/40
Out: -79.846+/-0.342 χ²/NDF:5531.3/44
All: -79.931+/-0.247 χ²/NDF: 10242.5/85


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 0.909+/-0.805 χ²/NDF: 72.1/17
Left Out: -4.762+/-0.355 χ²/NDF:576.9/23
Right Out: 1.830+/-0.806 χ²/NDF: 56.1/20
Left In: -4.278+/-0.361 χ²/NDF:424.1/22
Left: -4.524+/-0.253 χ²/NDF: 1002.0/46
Right: 1.368+/-0.570 χ²/NDF: 128.9/38
In: -3.409+/-0.329 χ²/NDF:530.8/40
Out: -3.693+/-0.325 χ²/NDF:689.1/44
All: -3.553+/-0.231 χ²/NDF: 1220.2/85



Right In: -7.525+/-0.047 χ^2/NDF: 267379.2/17

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -6.485+/-0.049 χ^2/NDF: 345796.1/20

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

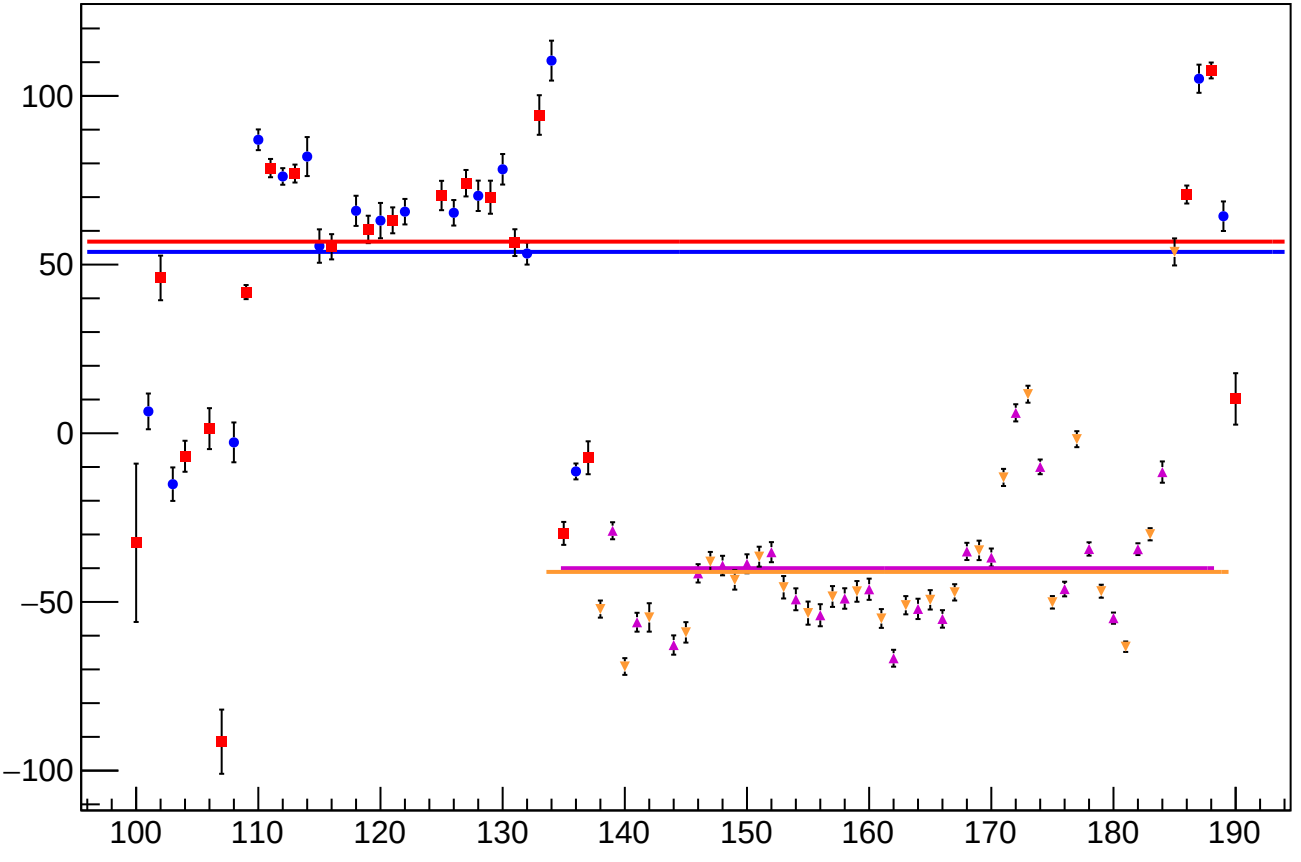
Right: -7.024+/-0.034 χ^2/NDF: 613413.1/38

In: -1.840+/-0.015 χ^2/NDF:308585.2/40

Out: -1.770+/-0.015 χ^2/NDF:381311.3/44

All: -1.805+/-0.011 χ^2/NDF: 689907.3/85

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 53.764+/-0.920 χ^2/NDF: 1672.2/17

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 56.808+/-0.807 χ^2/NDF: 2138.5/20

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

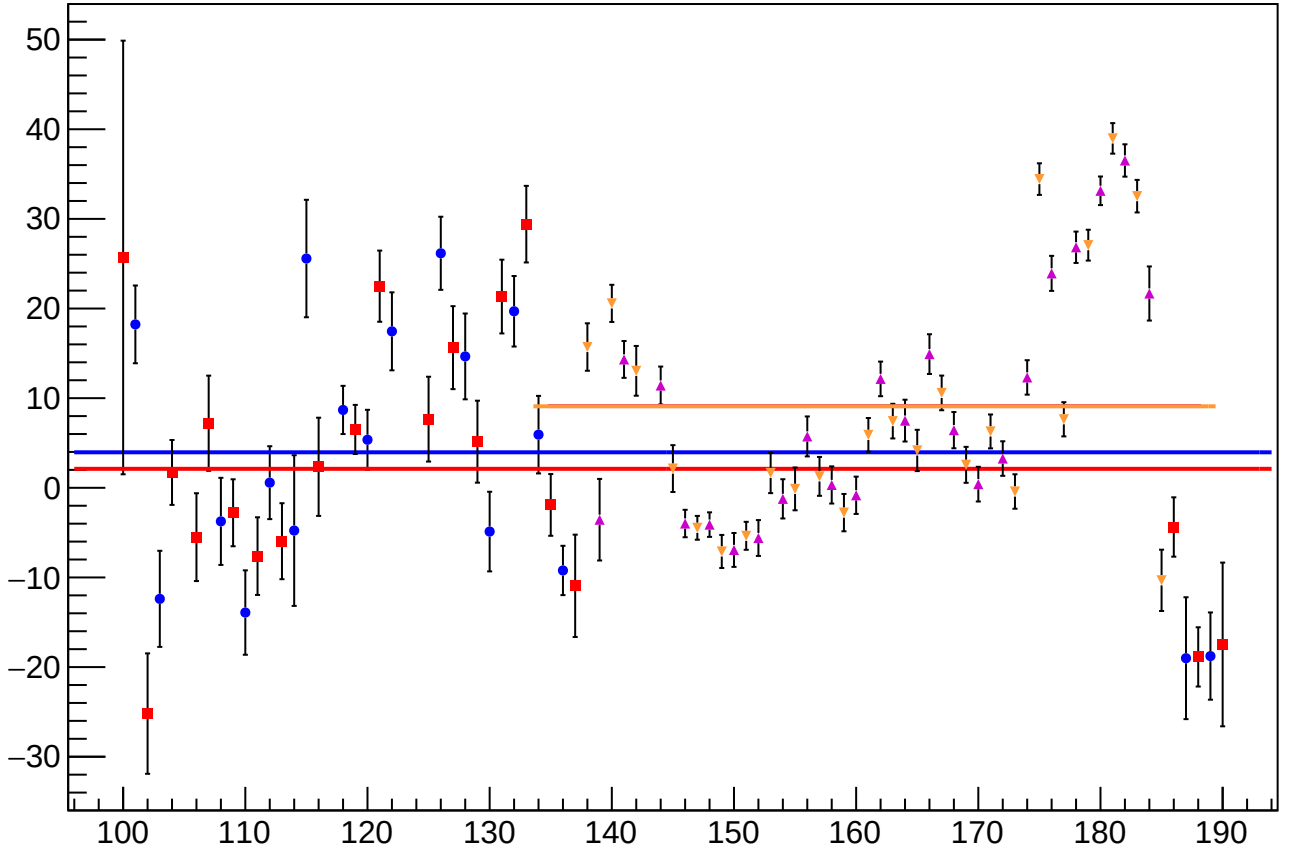
Right: 55.483+/-0.607 χ^2/NDF: 3817.0/38

In: -16.997+/-0.455 χ^2/NDF:10550.9/40

Out: -12.584+/-0.436 χ^2/NDF:14516.1/44

All: -14.692+/-0.315 χ^2/NDF: 25116.0/85

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.961+/-0.989 χ^2/NDF: 173.6/17

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 2.119+/-0.932 χ^2/NDF: 188.5/20

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

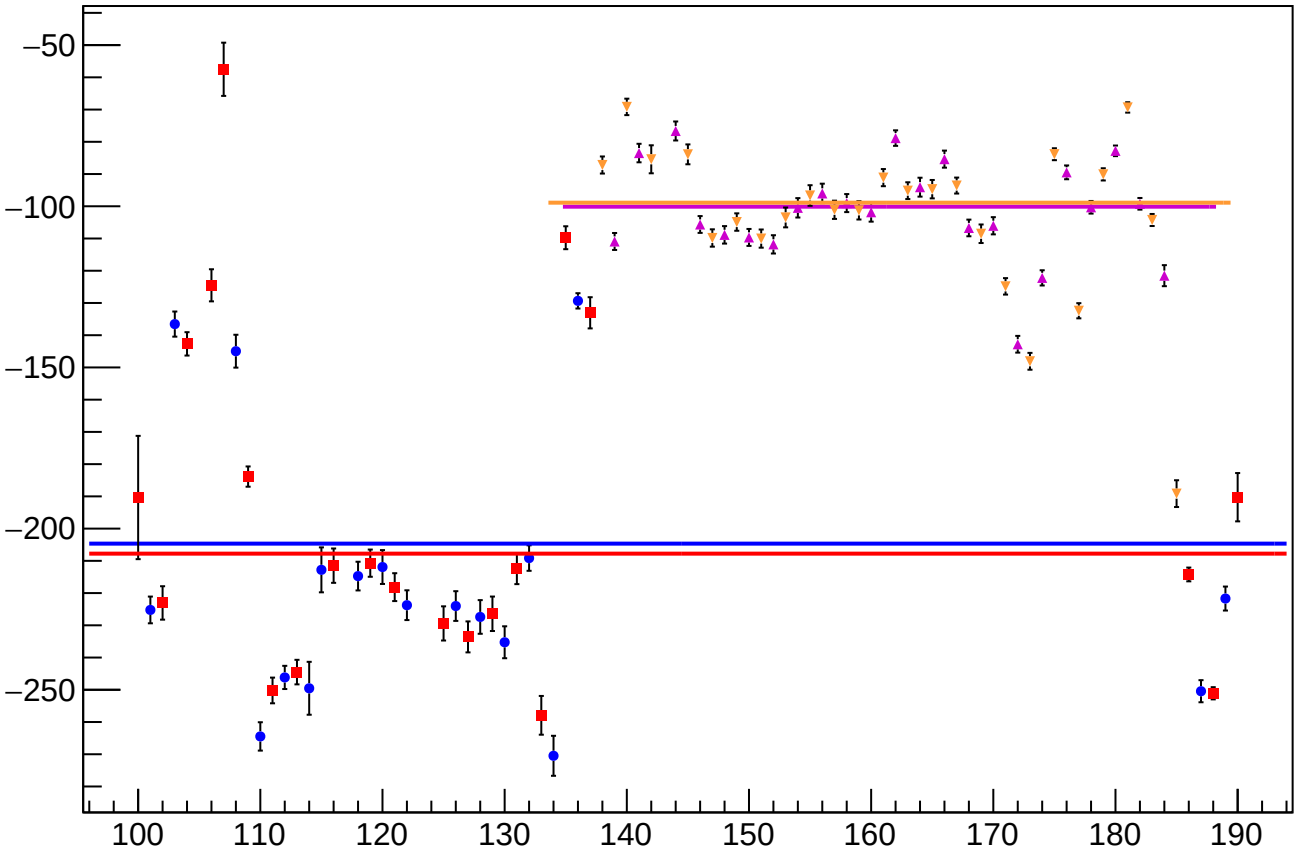
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 2.985+/-0.678 χ^2/NDF: 363.9/38

In: 8.367+/-0.378 χ^2/NDF:1248.7/40

Out: 8.003+/-0.369 χ^2/NDF:1489.4/44

All: 8.181+/-0.264 χ^2/NDF: 2738.6/85



Right In: -204.660+/-0.995 χ^2/NDF: 2232.5/17

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -207.766+/-0.853 χ^2/NDF: 2877.6/20

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

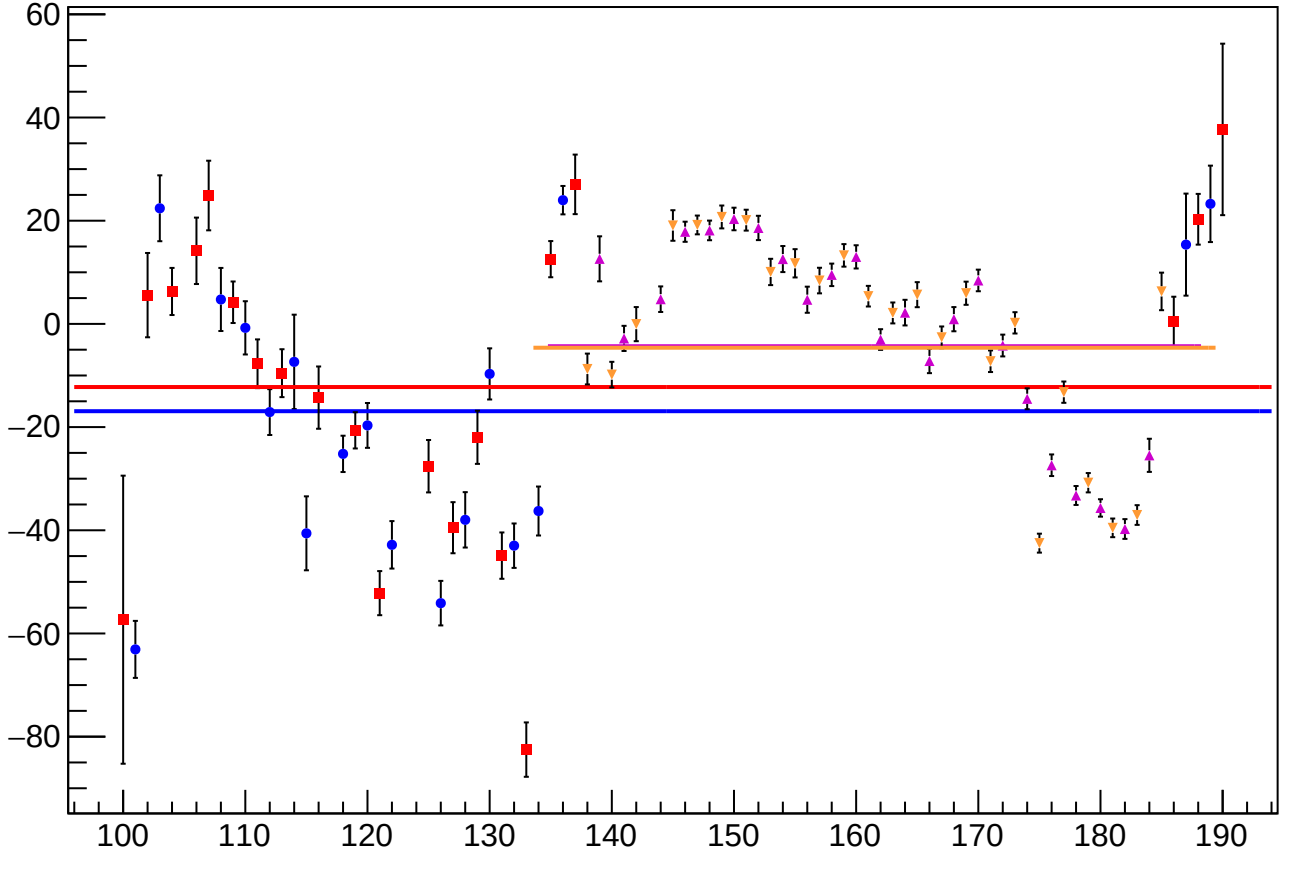
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -206.450+/-0.648 χ^2/NDF: 5115.8/38

In: -122.546+/-0.461 χ^2/NDF:11719.8/40

Out: -127.880+/-0.440 χ^2/NDF:16646.0/44

All: -125.334+/-0.318 χ^2/NDF: 28435.9/85



Right In: -16.920+/-1.138 χ^2/NDF: 585.5/17

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -12.236+/-1.099 χ^2/NDF: 611.7/20

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

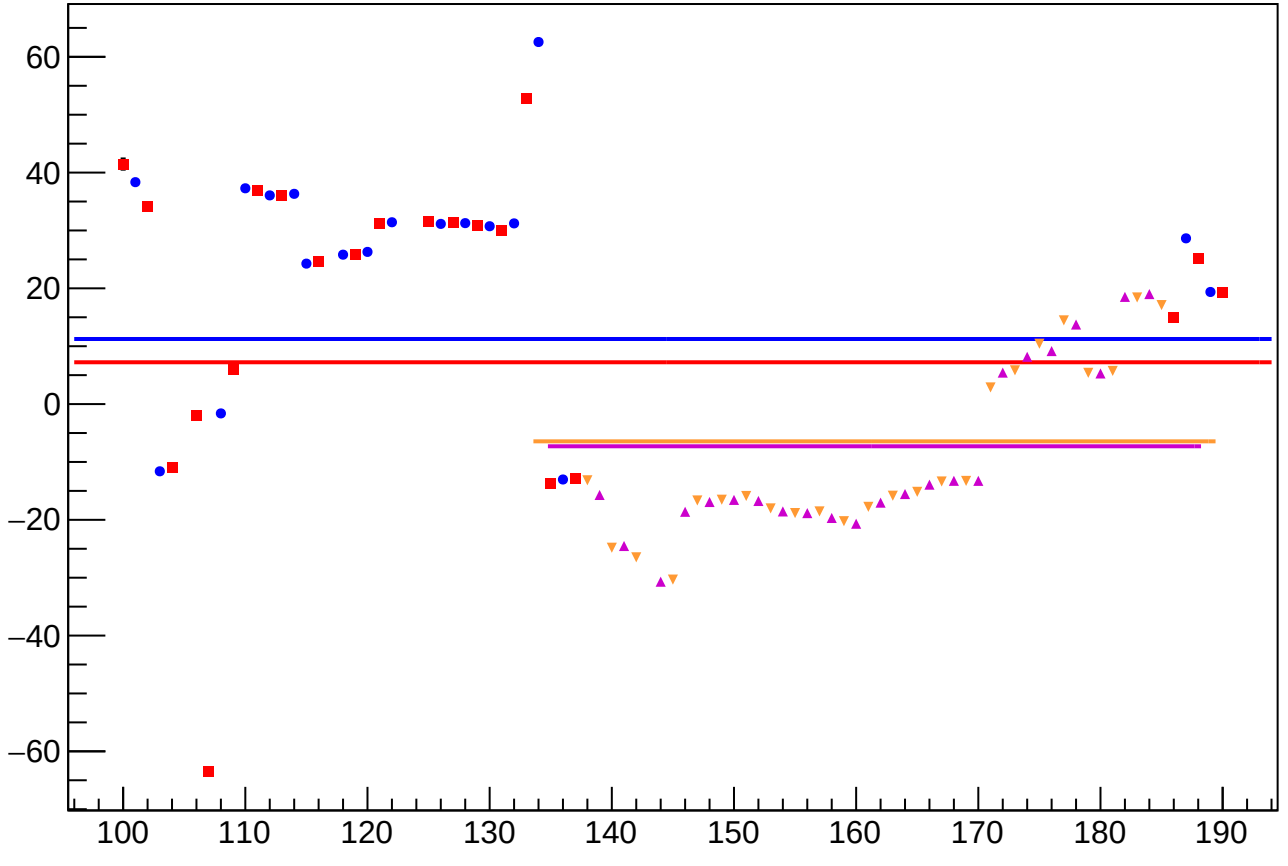
Right: -14.496+/-0.790 χ^2/NDF: 1206.0/38

In: -6.089+/-0.426 χ^2/NDF:2545.0/40

Out: -5.718+/-0.417 χ^2/NDF:2731.2/44

All: -5.900+/-0.298 χ^2/NDF: 5276.6/85

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.246+/-0.061 χ^2/NDF: 166586.7/17

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 7.225+/-0.060 χ^2/NDF: 161952.5/20

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

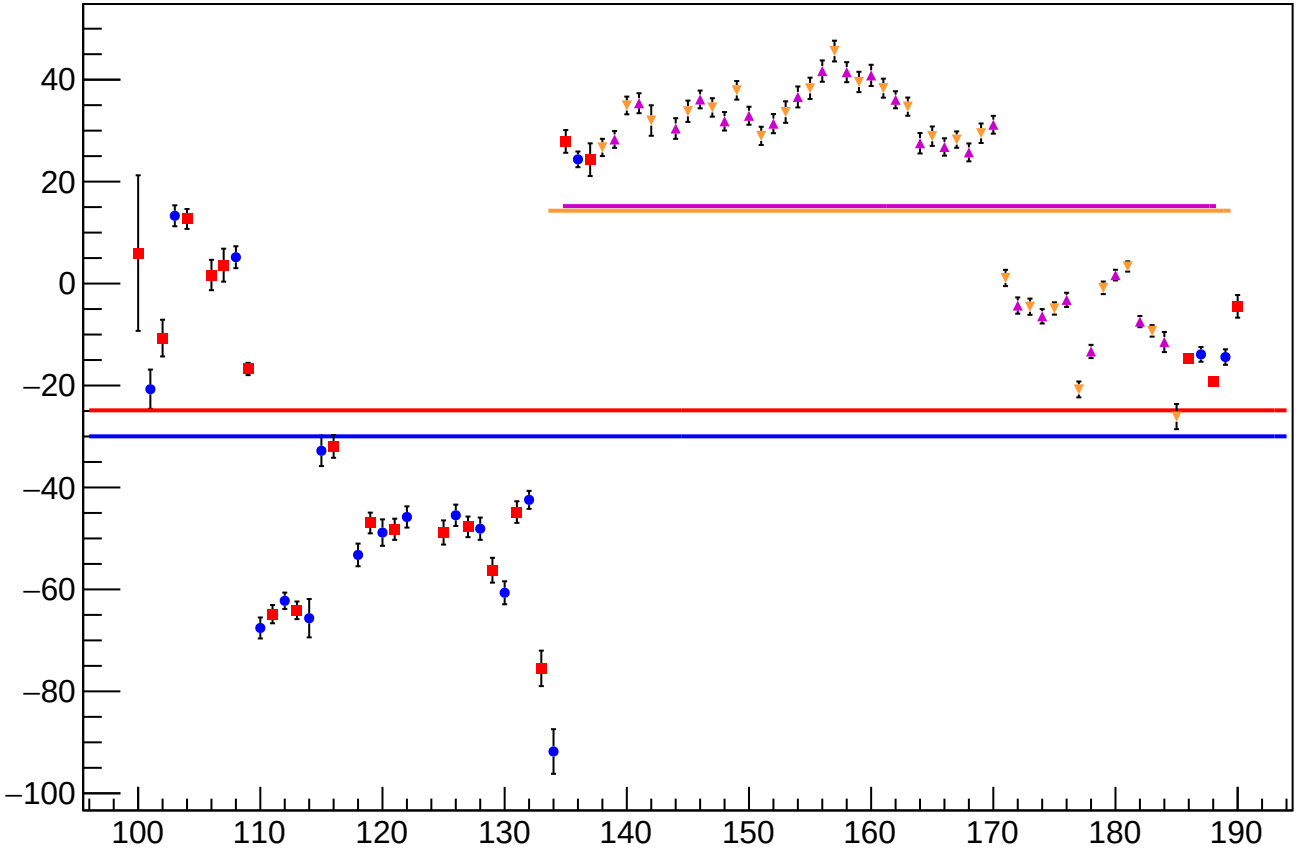
Right: 9.200+/-0.043 χ^2/NDF: 330726.4/38

In: -5.462+/-0.019 χ^2/NDF:737176.2/40

Out: -5.058+/-0.019 χ^2/NDF:704889.5/44

All: -5.258+/-0.014 χ^2/NDF: 1442286.9/85

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.971+/-0.485 χ^2/NDF: 3792.4/17

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -24.870+/-0.392 χ^2/NDF: 3597.4/20

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

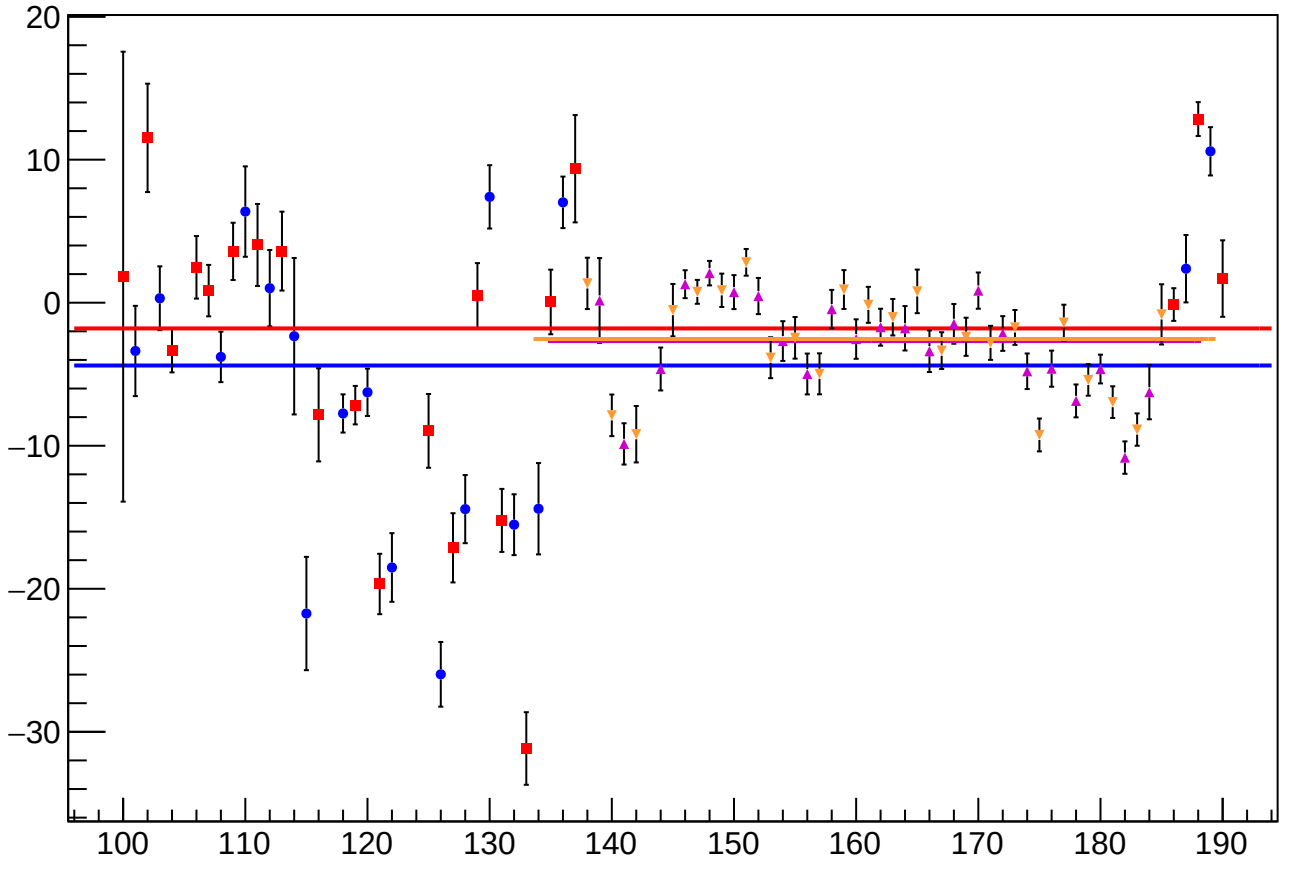
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -26.885+/-0.305 χ^2/NDF: 7456.6/38

In: 0.355+/-0.278 χ^2/NDF:13016.4/40

Out: -2.239+/-0.255 χ^2/NDF:13086.7/44

All: -1.055+/-0.188 χ^2/NDF: 26150.3/85



Right In: -4.391+/-0.513 χ^2/NDF: 383.4/17

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.798+/-0.441 χ^2/NDF: 511.6/20

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

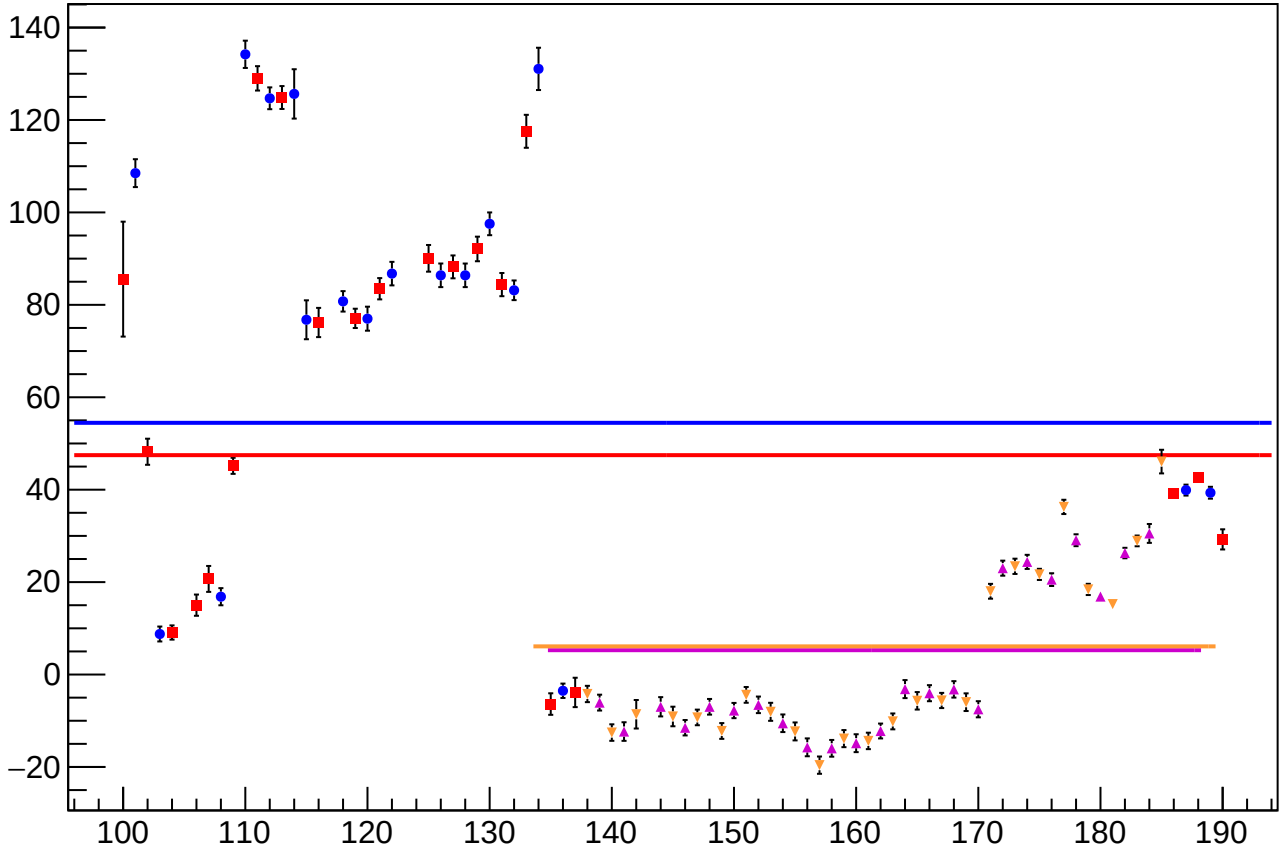
Right: -2.899+/-0.334 χ^2/NDF: 909.7/38

In: -3.040+/-0.235 χ^2/NDF:574.2/40

Out: -2.348+/-0.223 χ^2/NDF:712.0/44

All: -2.676+/-0.162 χ^2/NDF: 1290.8/85

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 54.470+/-0.491 χ^2/NDF: 6491.8/17

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 47.473+/-0.375 χ^2/NDF: 5793.0/20

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

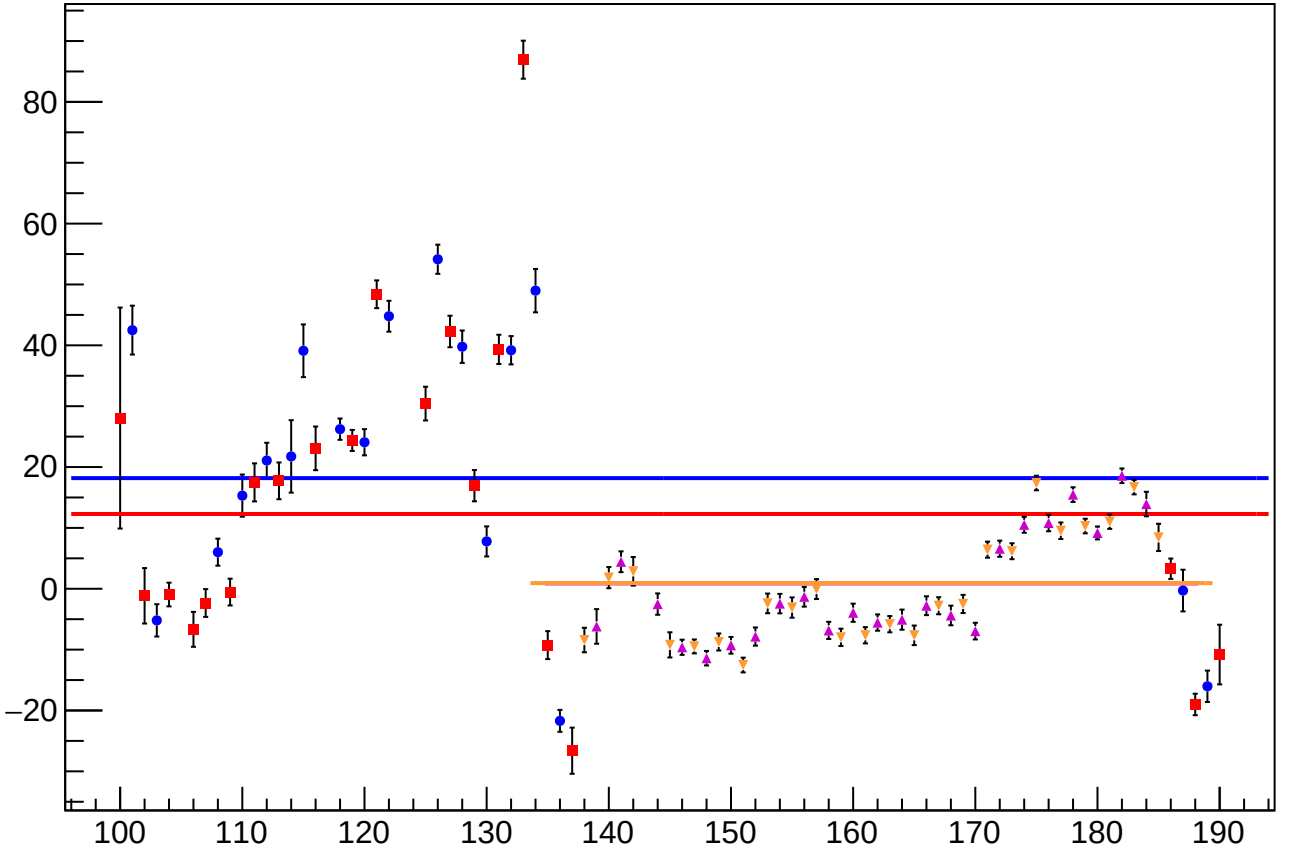
Right: 50.049+/-0.298 χ^2/NDF: 12413.1/38

In: 21.002+/-0.278 χ^2/NDF:15777.9/40

Out: 24.350+/-0.249 χ^2/NDF:15384.0/44

All: 22.858+/-0.185 χ^2/NDF: 31242.5/85

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 18.181+/-0.611 χ^2/NDF: 1468.6/17

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 12.287+/-0.548 χ^2/NDF: 1924.0/20

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

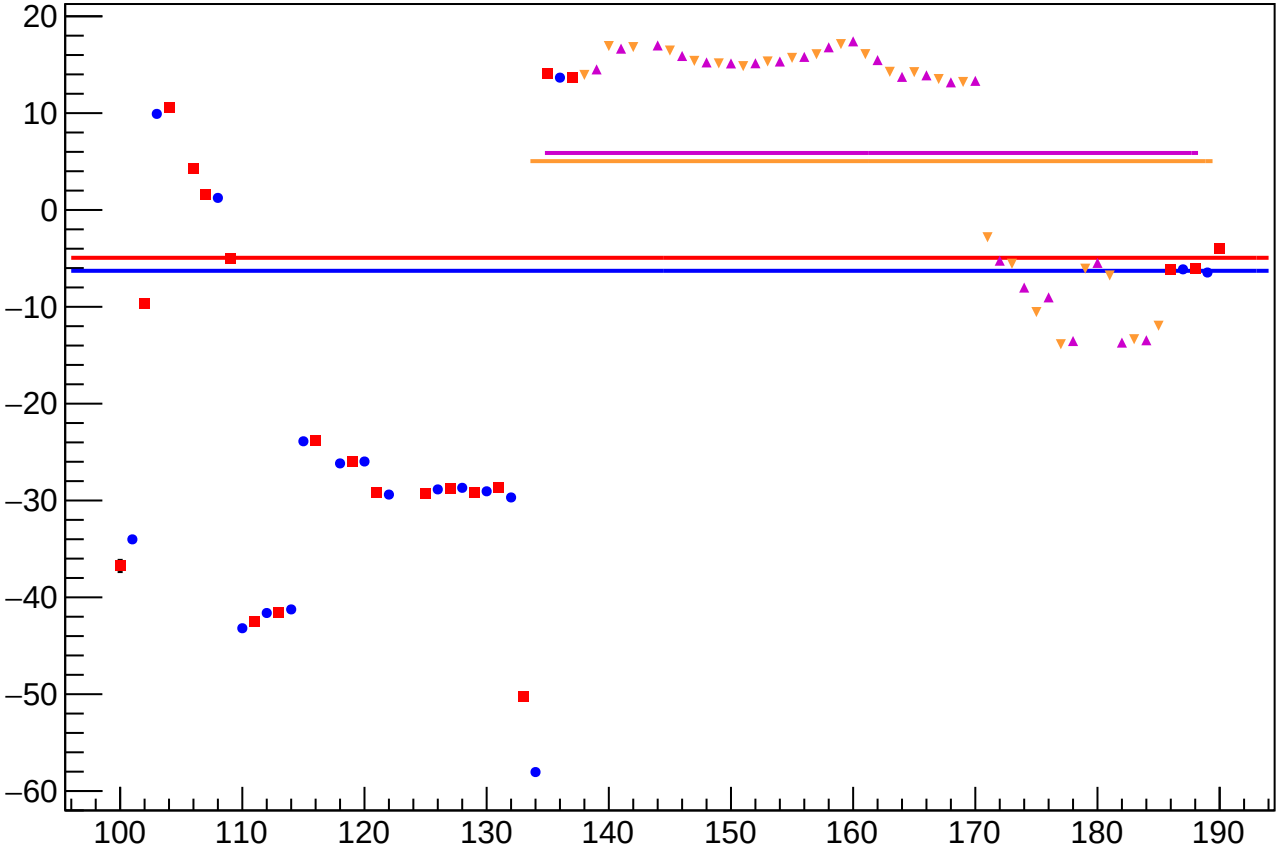
Right: 14.911+/-0.408 χ^2/NDF: 3444.2/38

In: 4.186+/-0.267 χ^2/NDF:3122.6/40

Out: 3.441+/-0.258 χ^2/NDF:3300.7/44

All: 3.800+/-0.185 χ^2/NDF: 6427.3/85

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.282+/-0.032 χ^2/NDF: 410464.2/17

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -4.938+/-0.030 χ^2/NDF: 307005.1/20

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

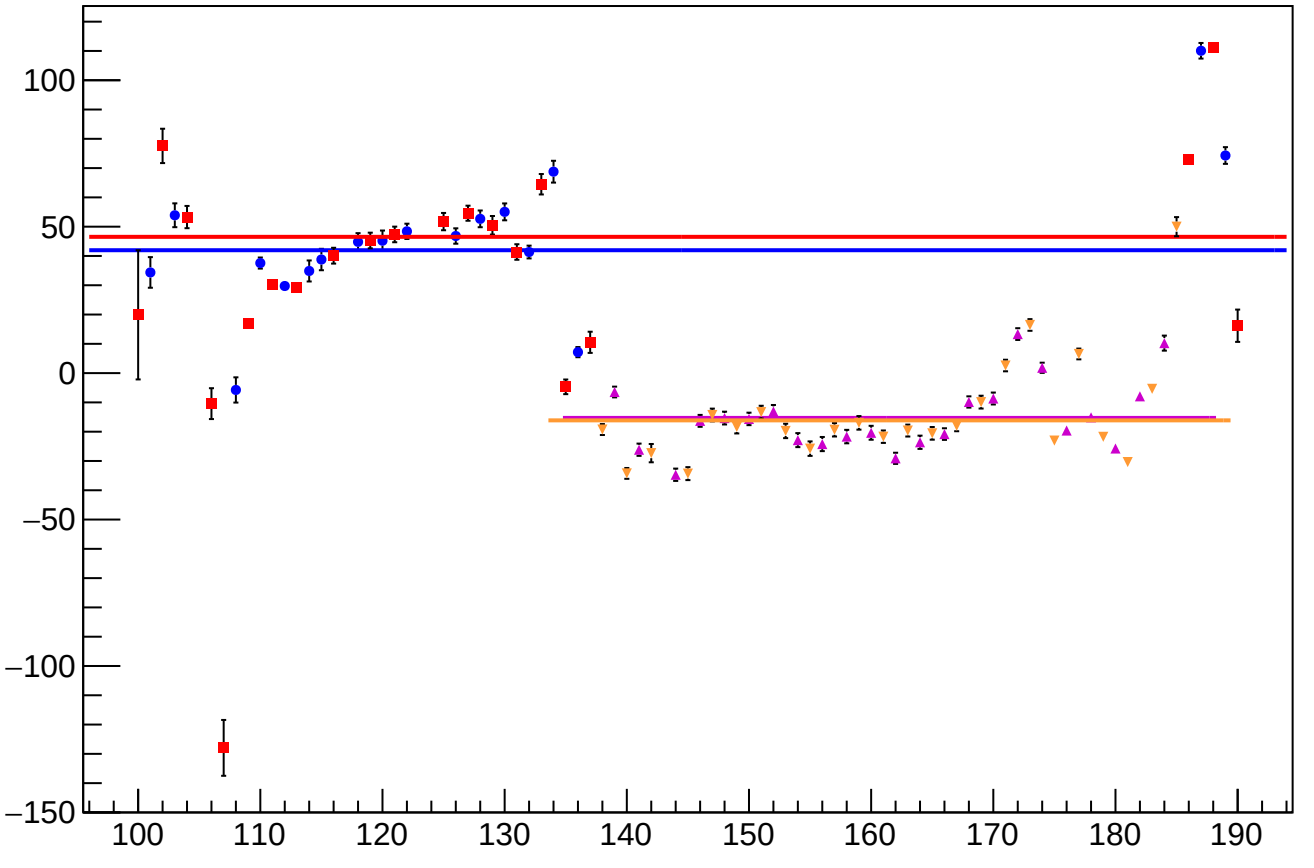
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -5.574+/-0.022 χ^2/NDF: 718420.3/38

In: 4.093+/-0.012 χ^2/NDF:1383057.5/40

Out: 3.449+/-0.012 χ^2/NDF:1255759.8/44

All: 3.767+/-0.009 χ^2/NDF: 2640243.2/85



Right In: 41.960+/-0.622 χ^2/NDF: 1483.2/17

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 46.531+/-0.548 χ^2/NDF: 3723.9/20

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

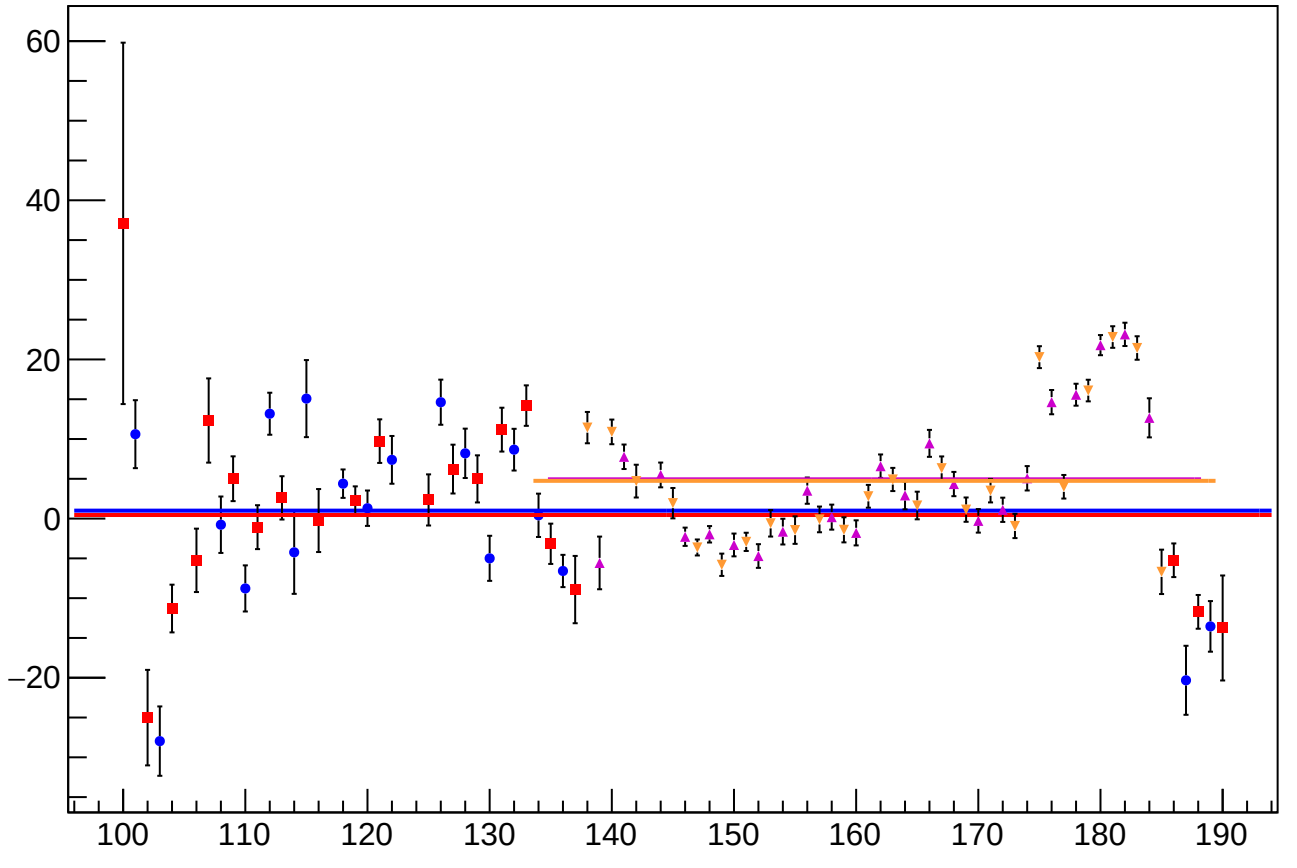
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 44.532+/-0.411 χ^2/NDF: 5237.5/38

In: 1.644+/-0.338 χ^2/NDF:8209.6/40

Out: 5.478+/-0.322 χ^2/NDF:13641.7/44

All: 3.655+/-0.233 χ^2/NDF: 21918.6/85



Right In: 1.000+/-0.677 χ^2/NDF: 200.4/17

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: 0.450+/-0.642 χ^2/NDF: 161.5/20

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

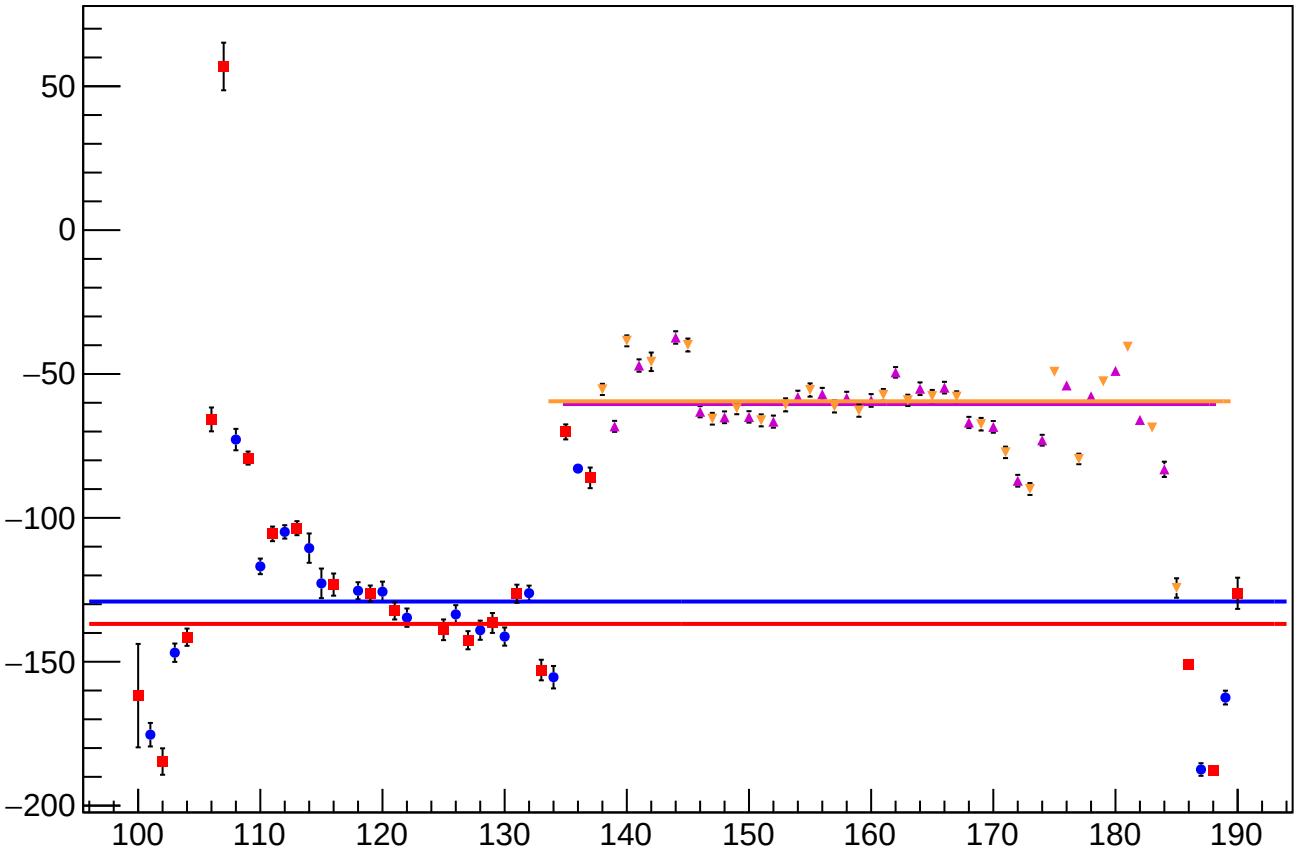
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: 0.711+/-0.466 χ^2/NDF: 362.2/38

In: 4.241+/-0.284 χ^2/NDF:916.6/40

Out: 3.948+/-0.277 χ^2/NDF:991.6/44

All: 4.091+/-0.198 χ^2/NDF: 1908.8/85



Right In: -129.074+/-0.685 χ^2/NDF: 2208.9/17

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -136.852+/-0.581 χ^2/NDF: 4705.0/20

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

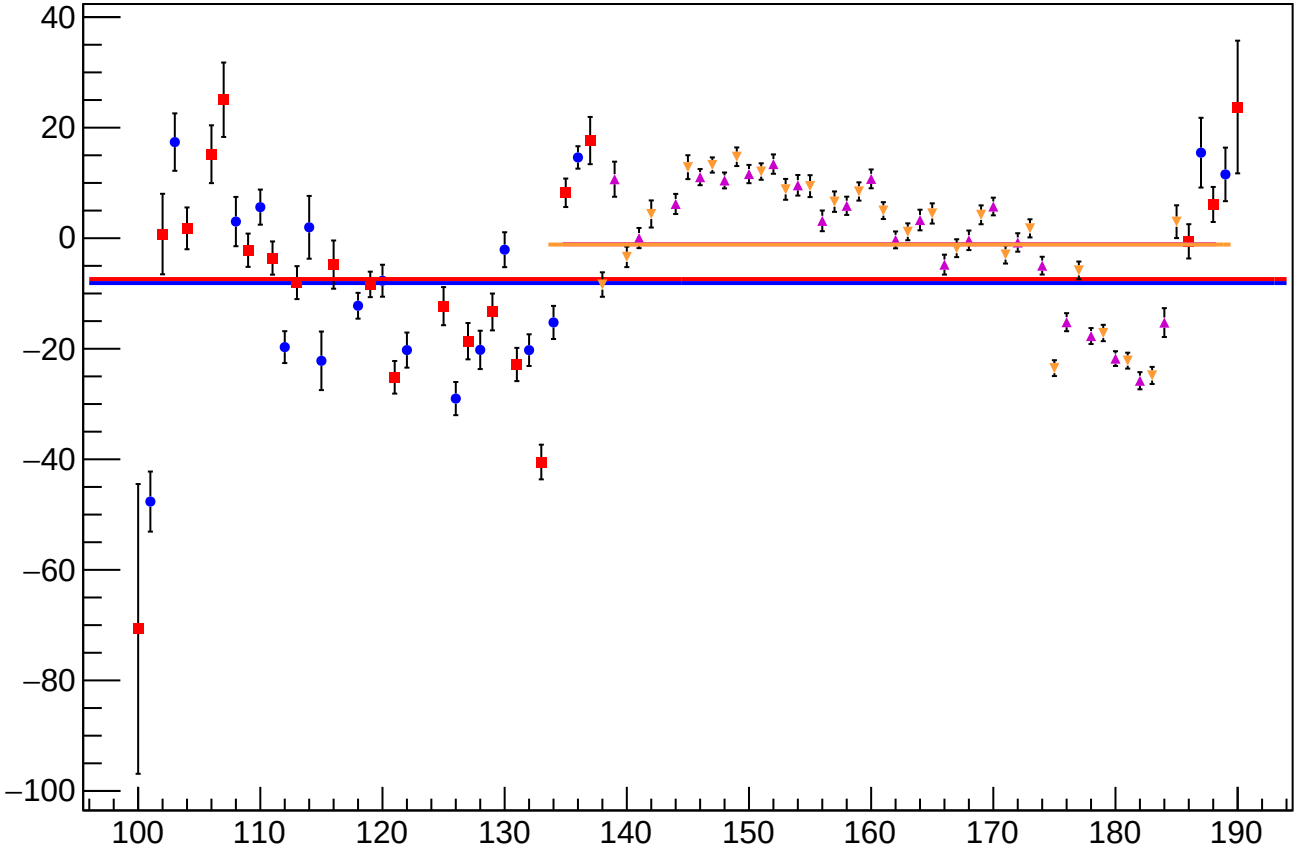
Right: -133.602+/-0.443 χ^2/NDF: 6988.9/38

In: -77.838+/-0.345 χ^2/NDF:10361.1/40

Out: -83.950+/-0.327 χ^2/NDF:18216.1/44

All: -81.063+/-0.237 χ^2/NDF: 28742.6/85

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -8.117+/-0.779 χ^2/NDF: 389.7/17

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -7.387+/-0.760 χ^2/NDF: 351.8/20

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

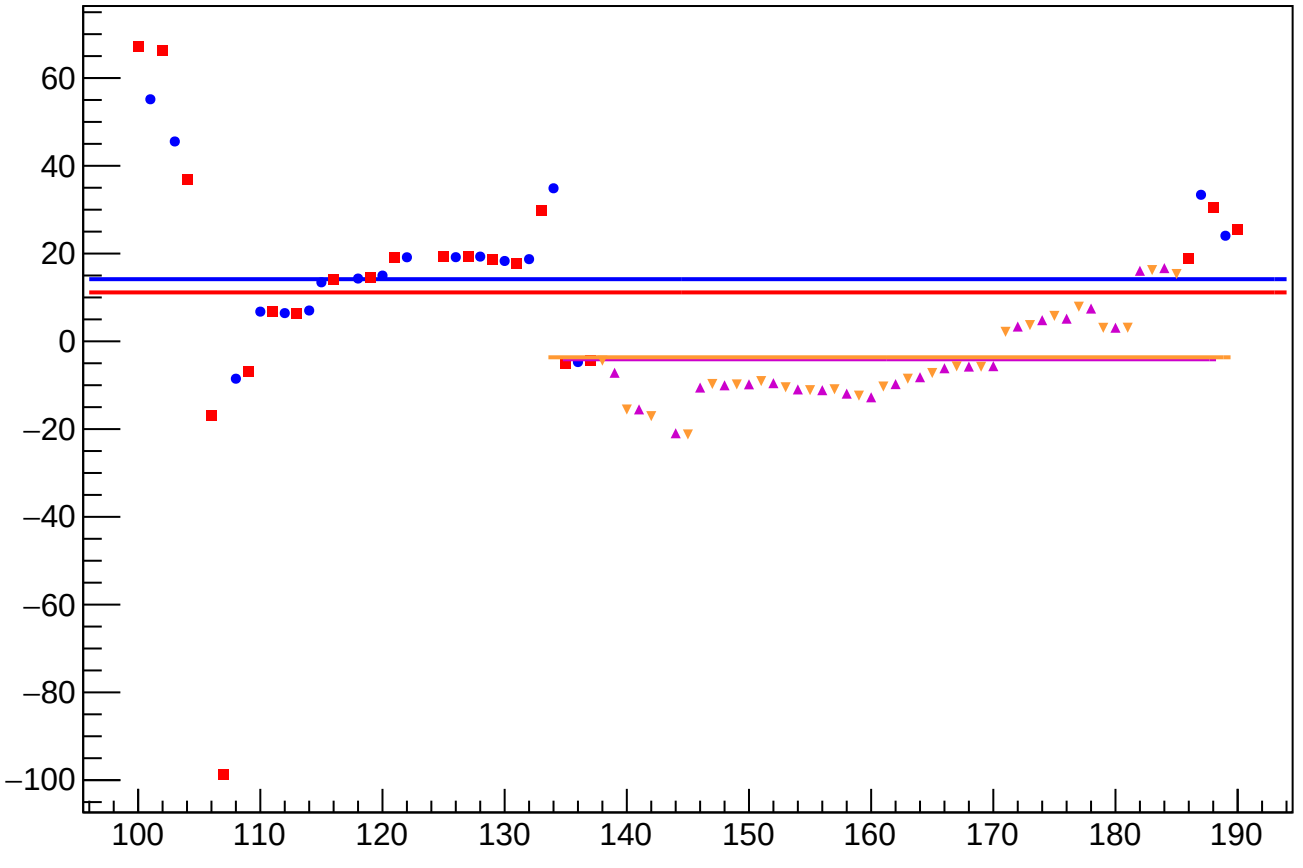
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -7.743+/-0.544 χ^2/NDF: 742.0/38

In: -2.273+/-0.321 χ^2/NDF:1614.9/40

Out: -2.215+/-0.315 χ^2/NDF:1710.7/44

All: -2.243+/-0.225 χ^2/NDF: 3325.6/85



Right In: 14.163+/-0.044 χ^2/NDF: 189065.6/17

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 11.145+/-0.044 χ^2/NDF: 309896.3/20

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

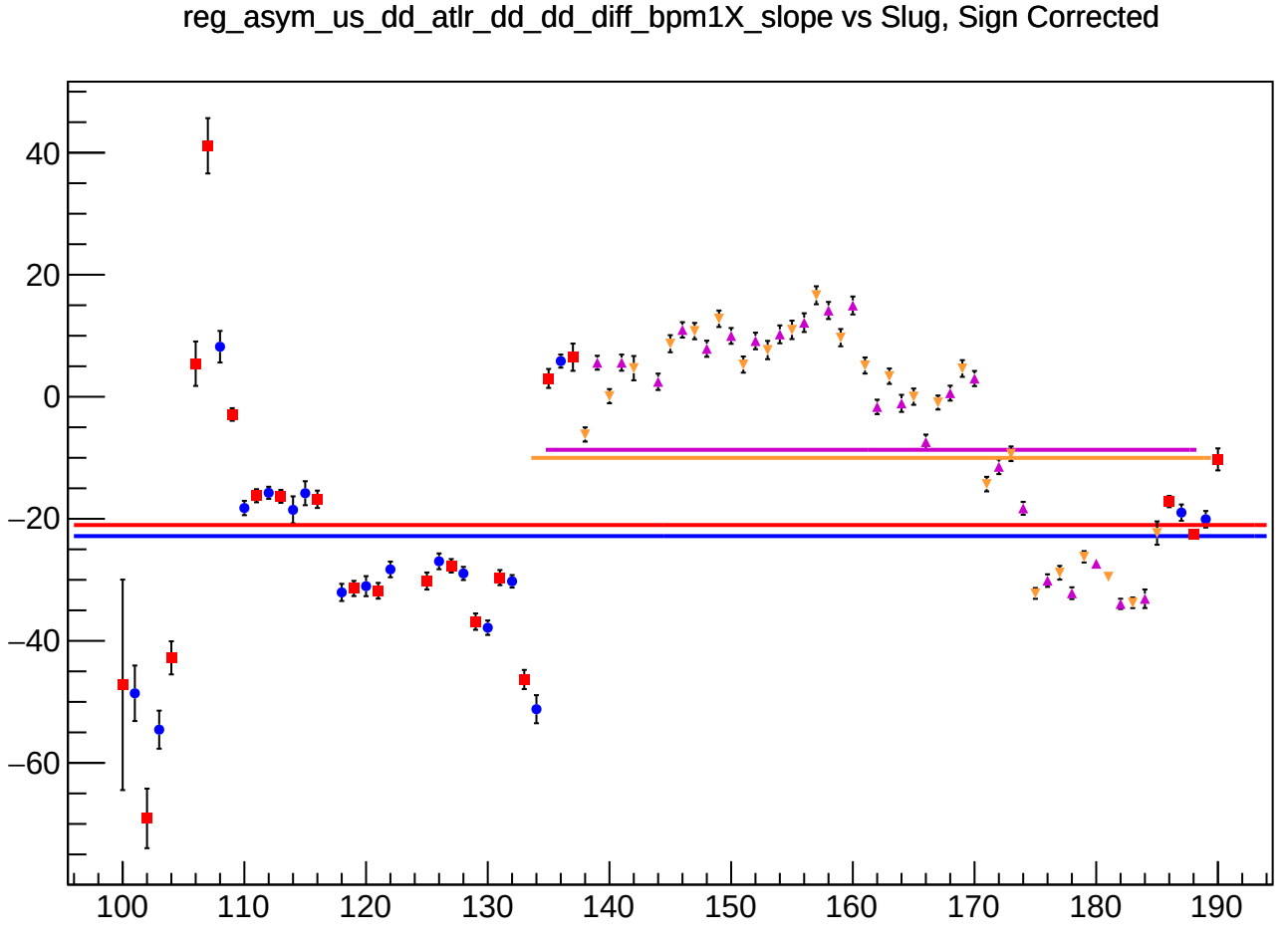
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 12.664+/-0.031 χ^2/NDF: 501299.5/38

In: -2.067+/-0.015 χ^2/NDF:675519.5/40

Out: -2.034+/-0.015 χ^2/NDF:755139.2/44

All: -2.051+/-0.010 χ^2/NDF: 1430661.2/85



Right In: -22.831+/-0.329 χ^2/NDF: 1582.0/17

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.018+/-0.295 χ^2/NDF: 1873.7/20

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

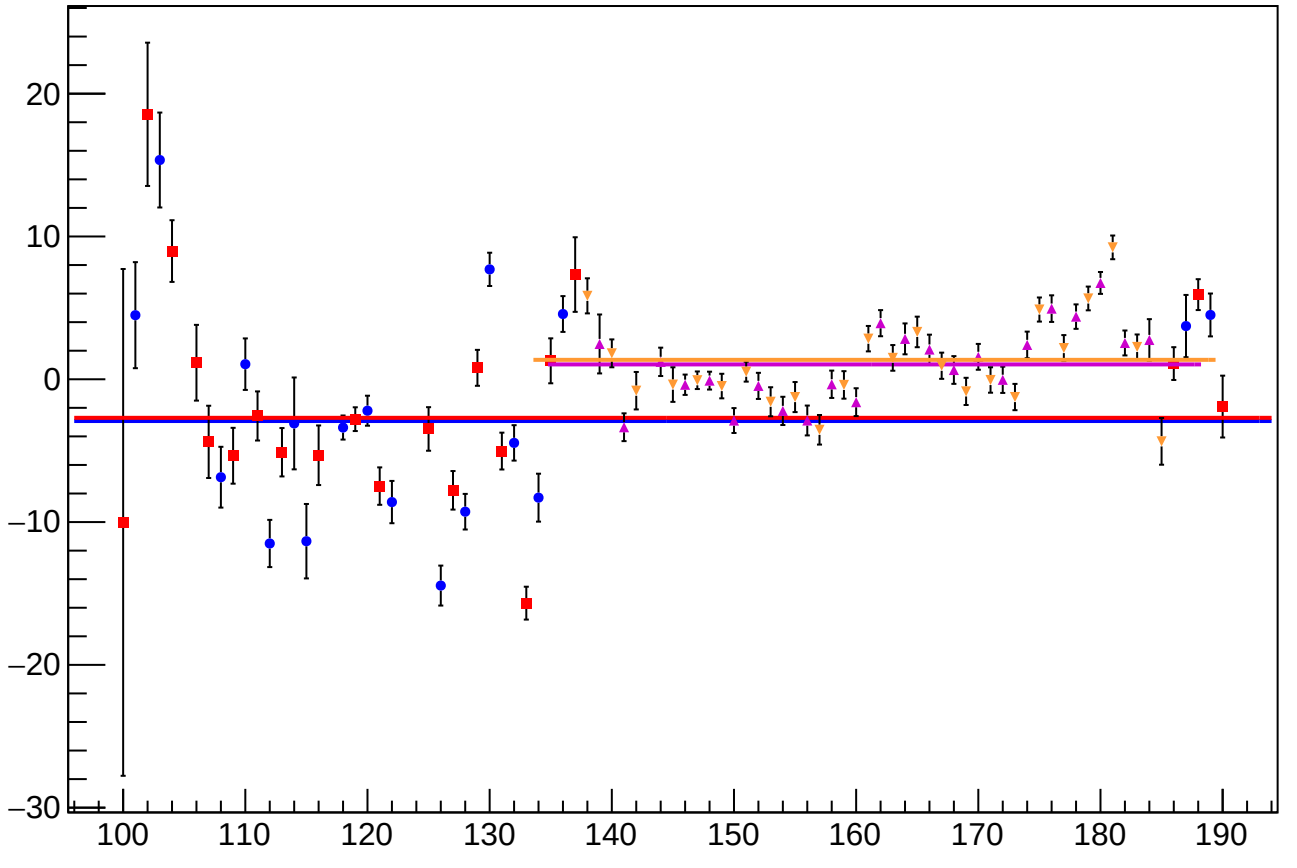
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -21.828+/-0.220 χ^2/NDF: 3472.6/38

In: -13.808+/-0.198 χ^2/NDF:7784.0/40

Out: -14.483+/-0.188 χ^2/NDF:7675.2/44

All: -14.162+/-0.136 χ^2/NDF: 15465.3/85



Right In: -2.924+/-0.348 χ^2/NDF: 353.4/17

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.699+/-0.331 χ^2/NDF: 317.1/20

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

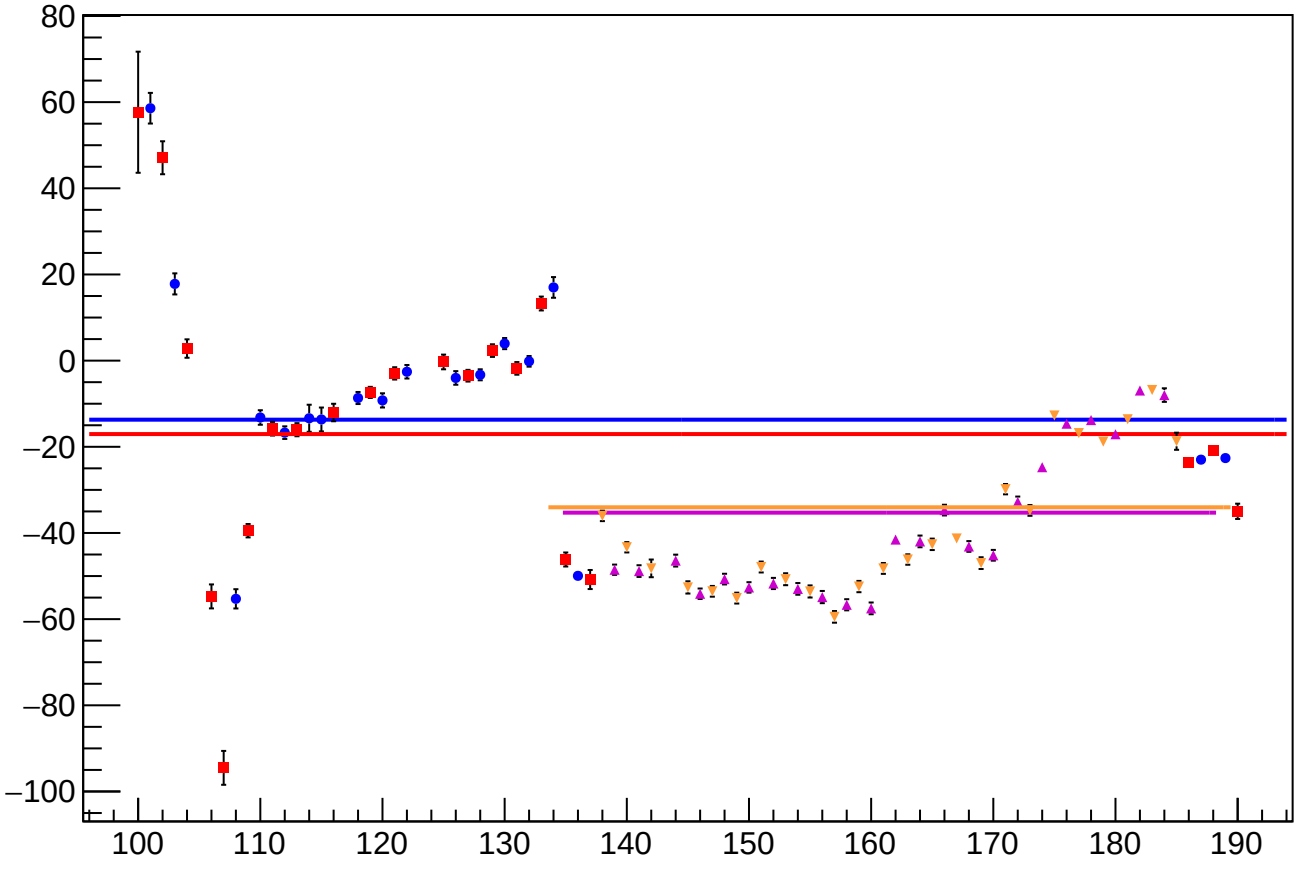
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -2.806+/-0.240 χ^2/NDF: 670.8/38

In: 0.113+/-0.168 χ^2/NDF:648.9/40

Out: 0.370+/-0.164 χ^2/NDF:670.9/44

All: 0.245+/-0.117 χ^2/NDF: 1321.1/85



Right In: -13.705+/-0.362 χ^2/NDF: 2825.3/17

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -17.045+/-0.307 χ^2/NDF: 2946.1/20

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

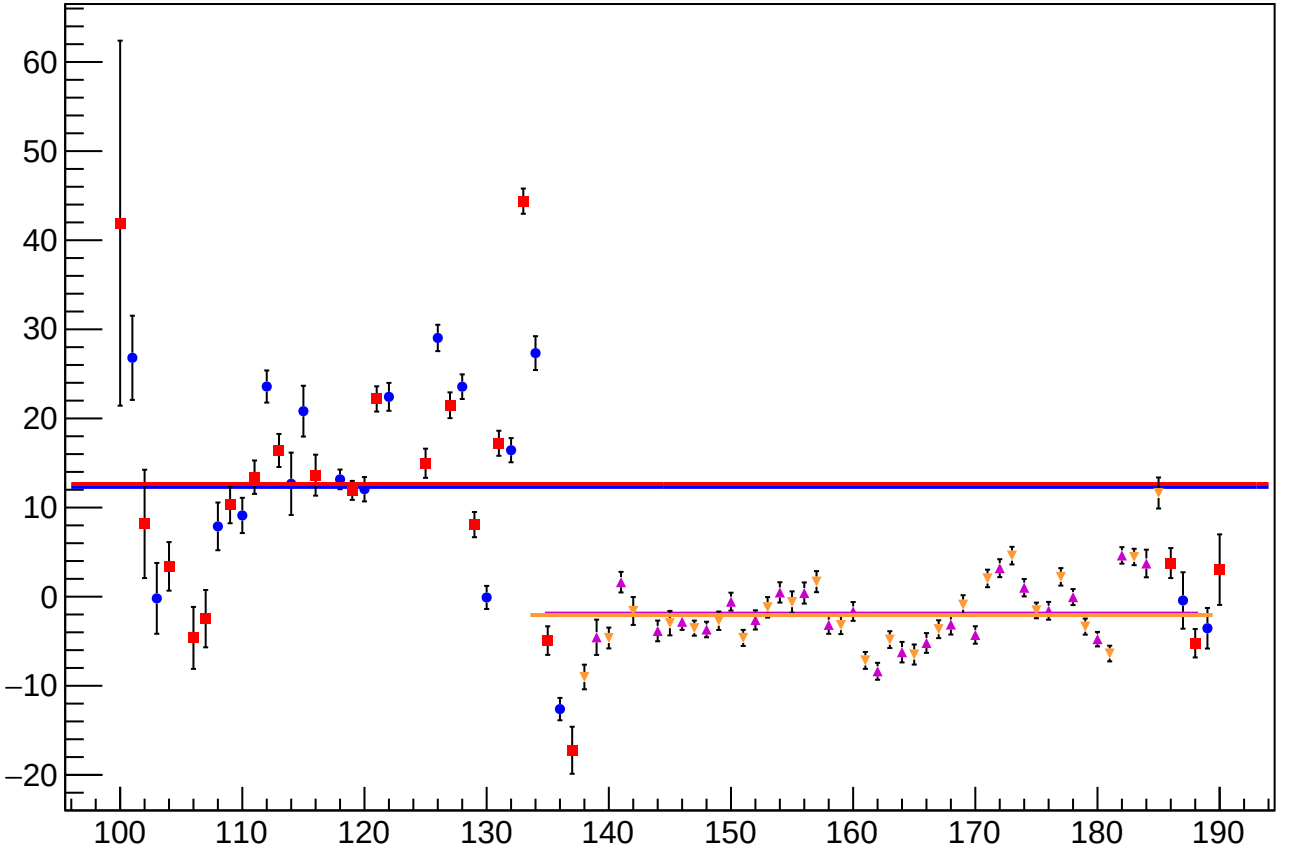
Right: -15.645+/-0.234 χ^2/NDF: 5820.9/38

In: -28.481+/-0.203 χ^2/NDF:10260.8/40

Out: -27.512+/-0.190 χ^2/NDF:9796.2/44

All: -27.965+/-0.139 χ^2/NDF: 20069.2/85

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.321+/-0.405 χ^2/NDF: 931.4/17

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 12.641+/-0.395 χ^2/NDF: 1083.0/20

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

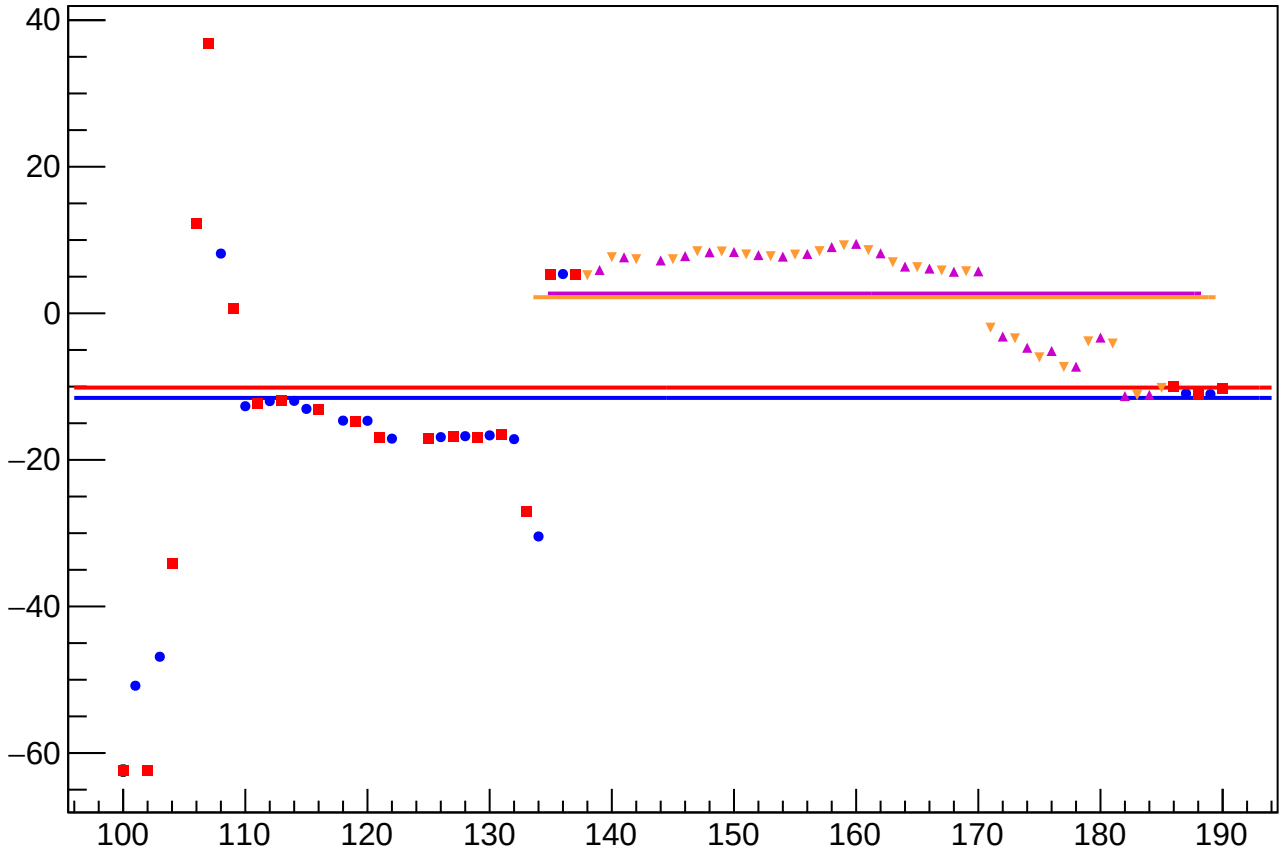
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 12.485+/-0.283 χ^2/NDF: 2014.7/38

In: 1.254+/-0.191 χ^2/NDF:2115.0/40

Out: 1.233+/-0.187 χ^2/NDF:2490.8/44

All: 1.243+/-0.133 χ^2/NDF: 4605.8/85



Right In: -11.542+/-0.025 χ^2/NDF: 360568.6/17

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.135+/-0.025 χ^2/NDF: 396465.1/20

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

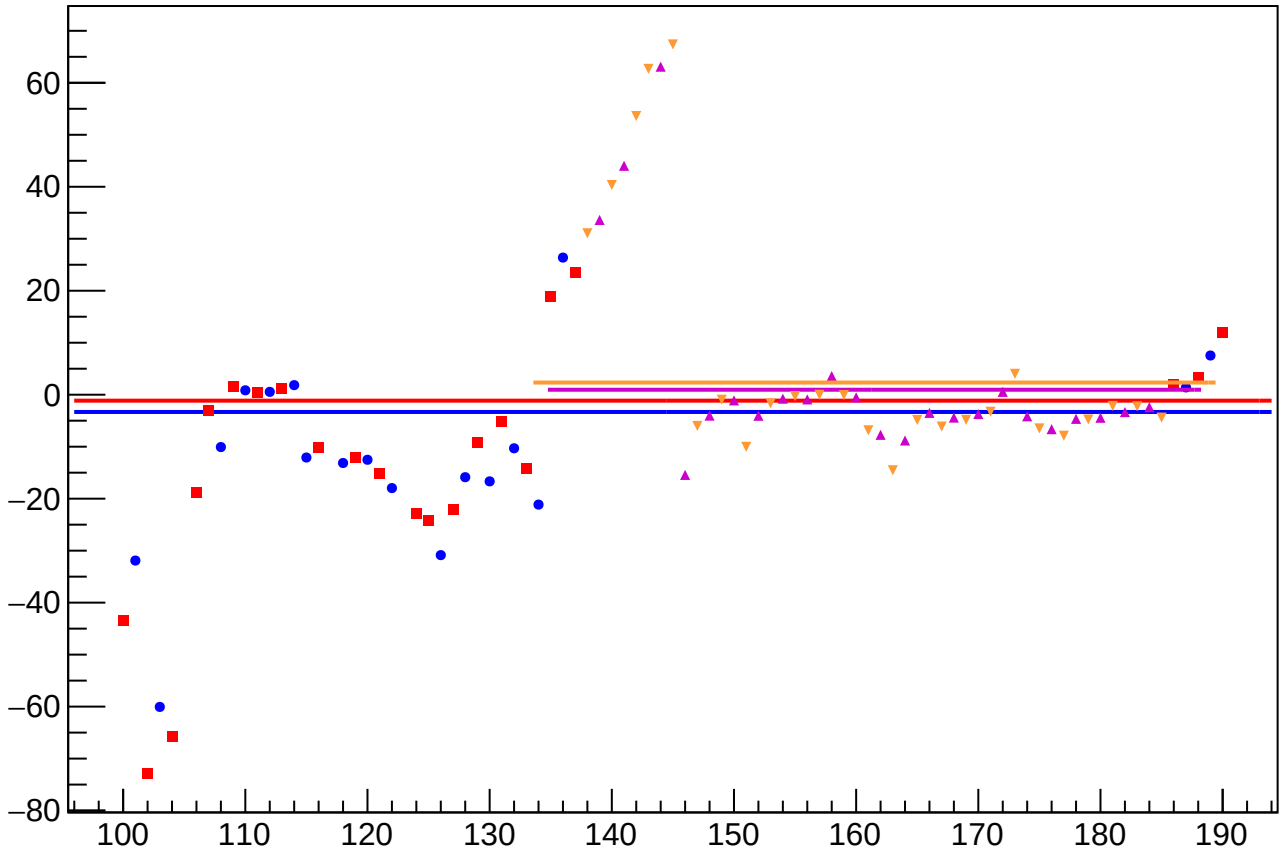
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -10.830+/-0.018 χ^2/NDF: 758627.5/38

In: 0.890+/-0.009 χ^2/NDF:1140870.0/40

Out: 0.619+/-0.009 χ^2/NDF:1121005.6/44

All: 0.753+/-0.006 χ^2/NDF: 2262340.0/85



Right In: -3.321+/-0.052 χ^2/NDF: 78022.2/17

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -1.145+/-0.041 χ^2/NDF: 84774.0/21

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

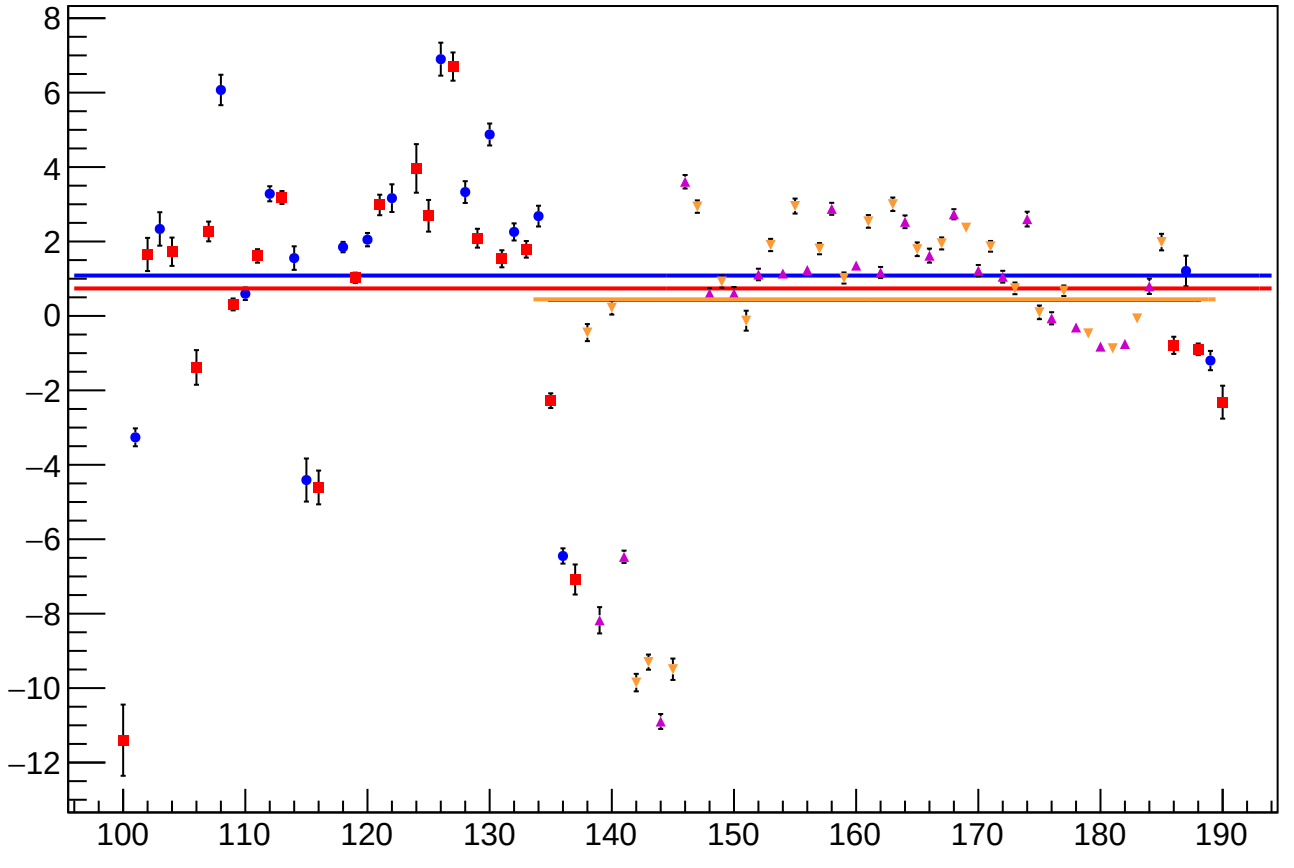
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -1.978+/-0.032 χ^2/NDF: 163873.6/39

In: -0.627+/-0.032 χ^2/NDF:214792.8/40

Out: 0.630+/-0.029 χ^2/NDF:265439.6/46

All: 0.063+/-0.021 χ^2/NDF: 481096.5/87



Right In: 1.085+/-0.058 χ^2/NDF: 2666.2/17

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.738+/-0.052 χ^2/NDF: 1831.0/21

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

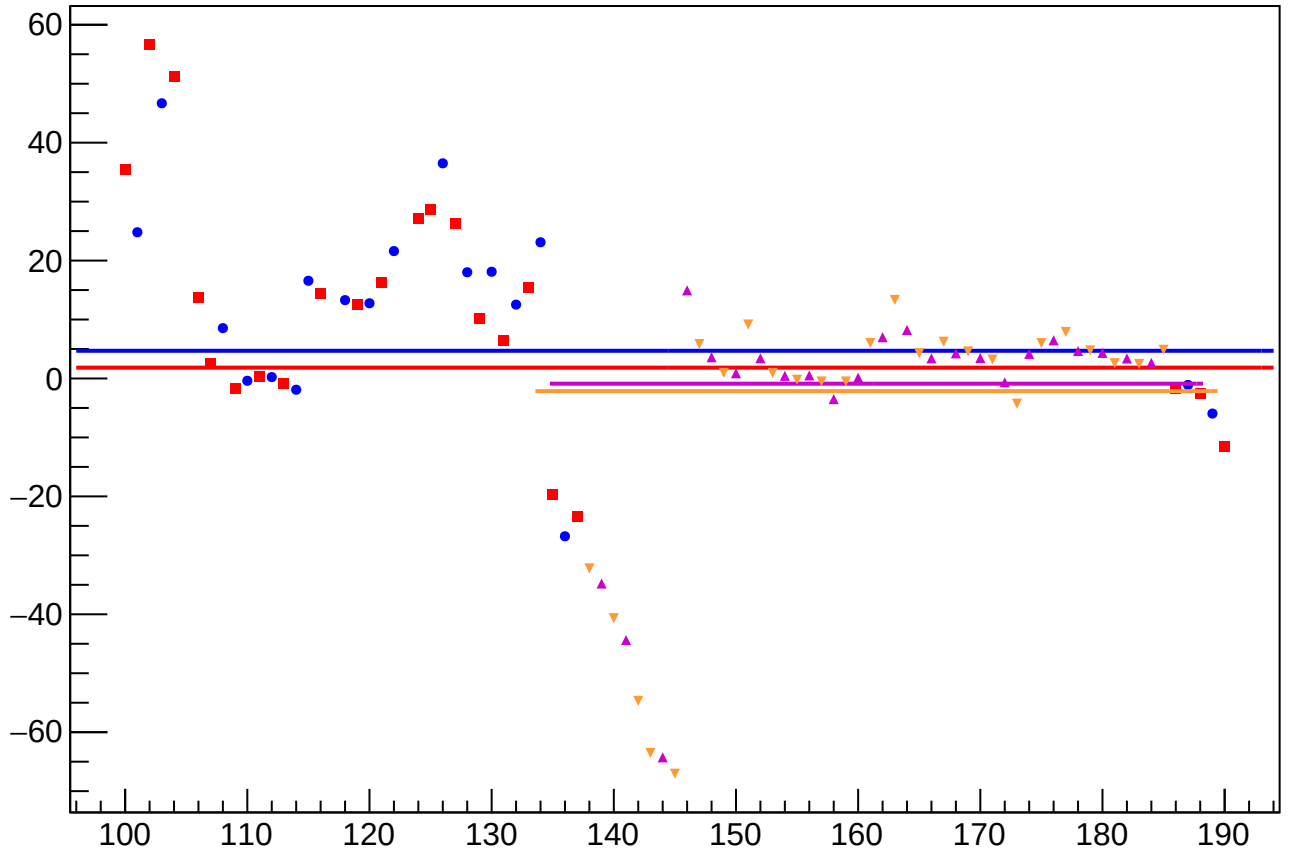
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.892+/-0.039 χ^2/NDF: 4516.9/39

In: 0.575+/-0.028 χ^2/NDF:9867.1/40

Out: 0.530+/-0.028 χ^2/NDF:8898.0/46

All: 0.553+/-0.020 χ^2/NDF: 18766.5/87



Right In: 4.700+/-0.059 χ^2/NDF: 75123.3/17

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 1.840+/-0.046 χ^2/NDF: 82428.5/21

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

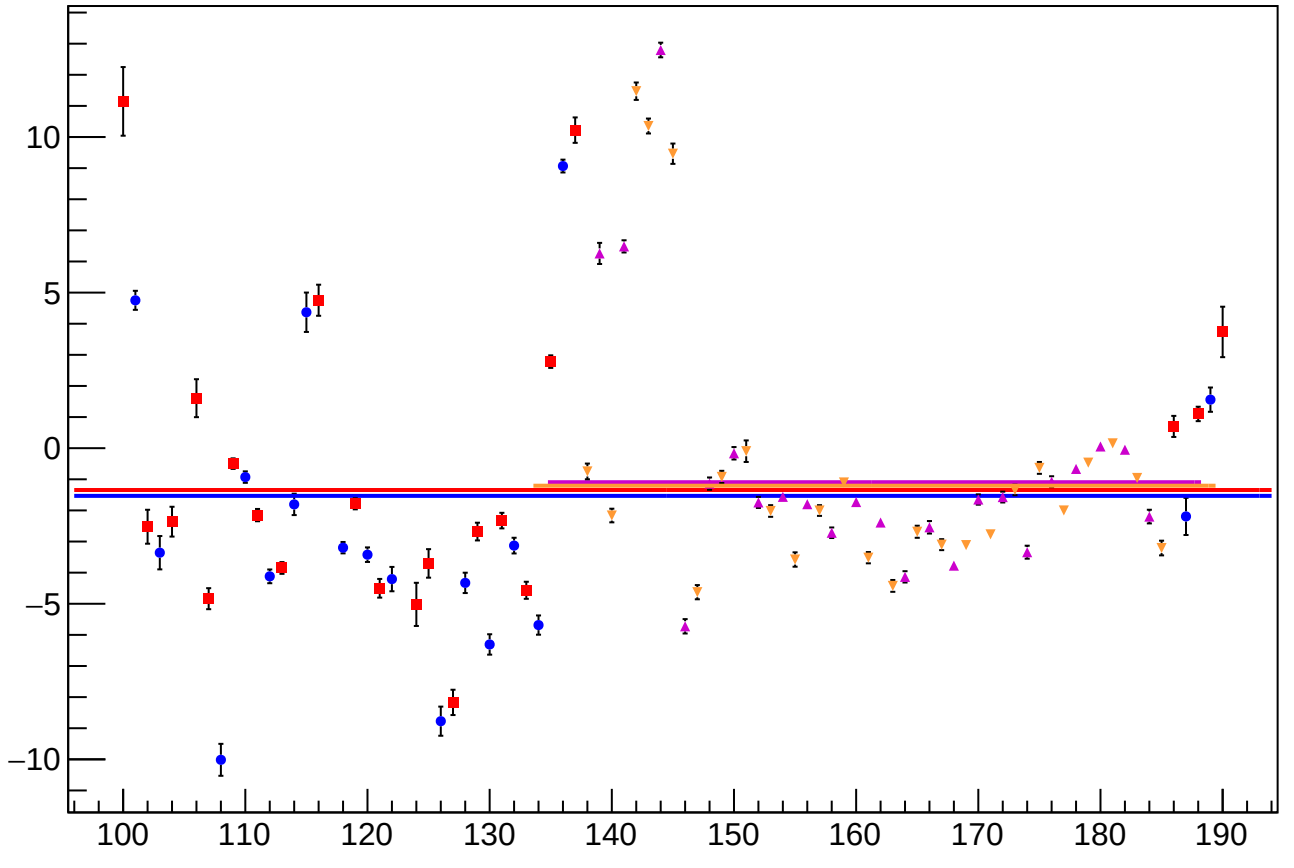
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 2.912+/-0.036 χ^2/NDF: 159007.1/39

In: 0.826+/-0.033 χ^2/NDF:210474.3/40

Out: -0.412+/-0.030 χ^2/NDF:257953.9/46

All: 0.158+/-0.022 χ^2/NDF: 469197.6/87



Right In: -1.532+/-0.068 χ^2/NDF: 4590.9/17

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.344+/-0.061 χ^2/NDF: 2670.0/21

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

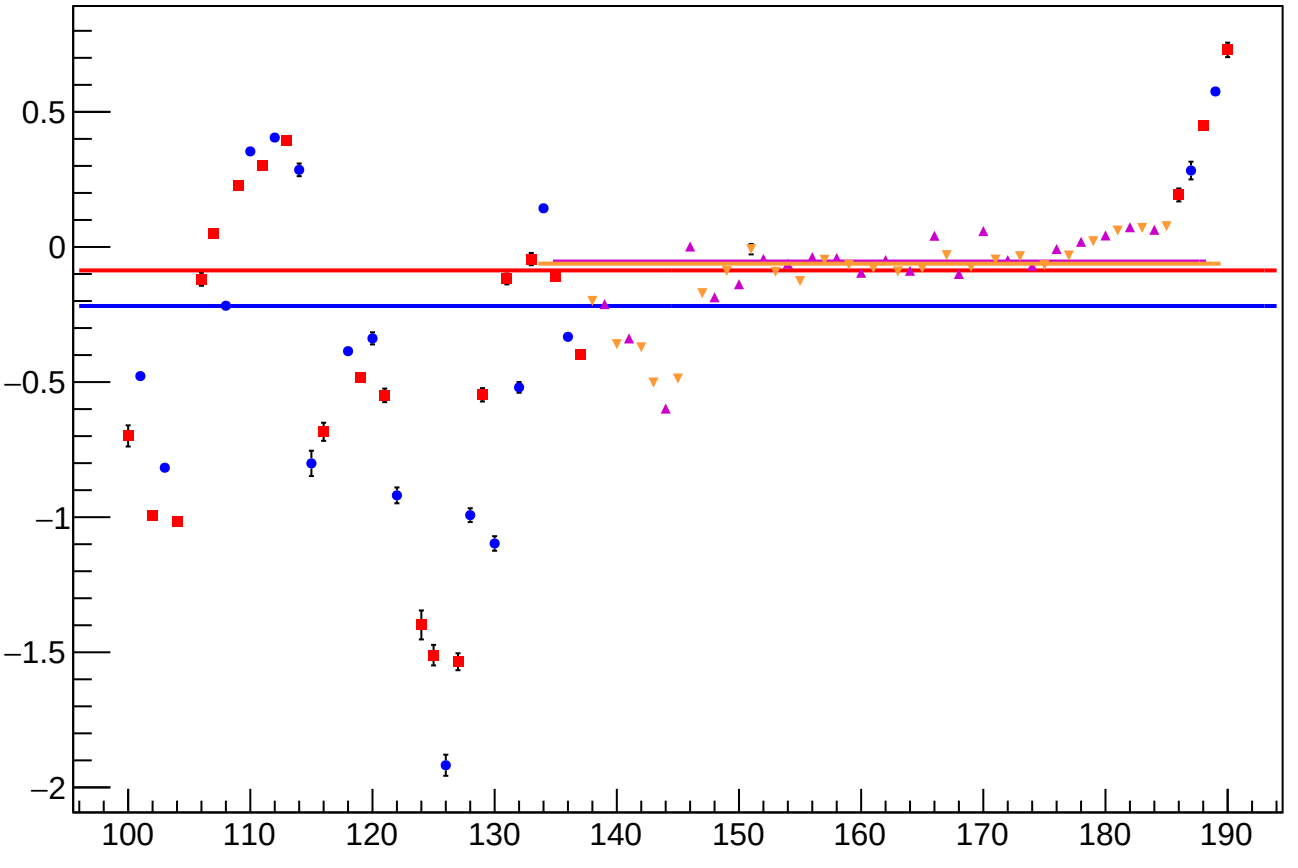
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.428+/-0.045 χ^2/NDF: 7265.1/39

In: -1.185+/-0.031 χ^2/NDF:11653.0/40

Out: -1.242+/-0.031 χ^2/NDF:9676.9/46

All: -1.213+/-0.022 χ^2/NDF: 21331.5/87



Right In: -0.218+/-0.004 χ^2/NDF: 14531.0/17

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.087+/-0.004 χ^2/NDF: 18998.7/21

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

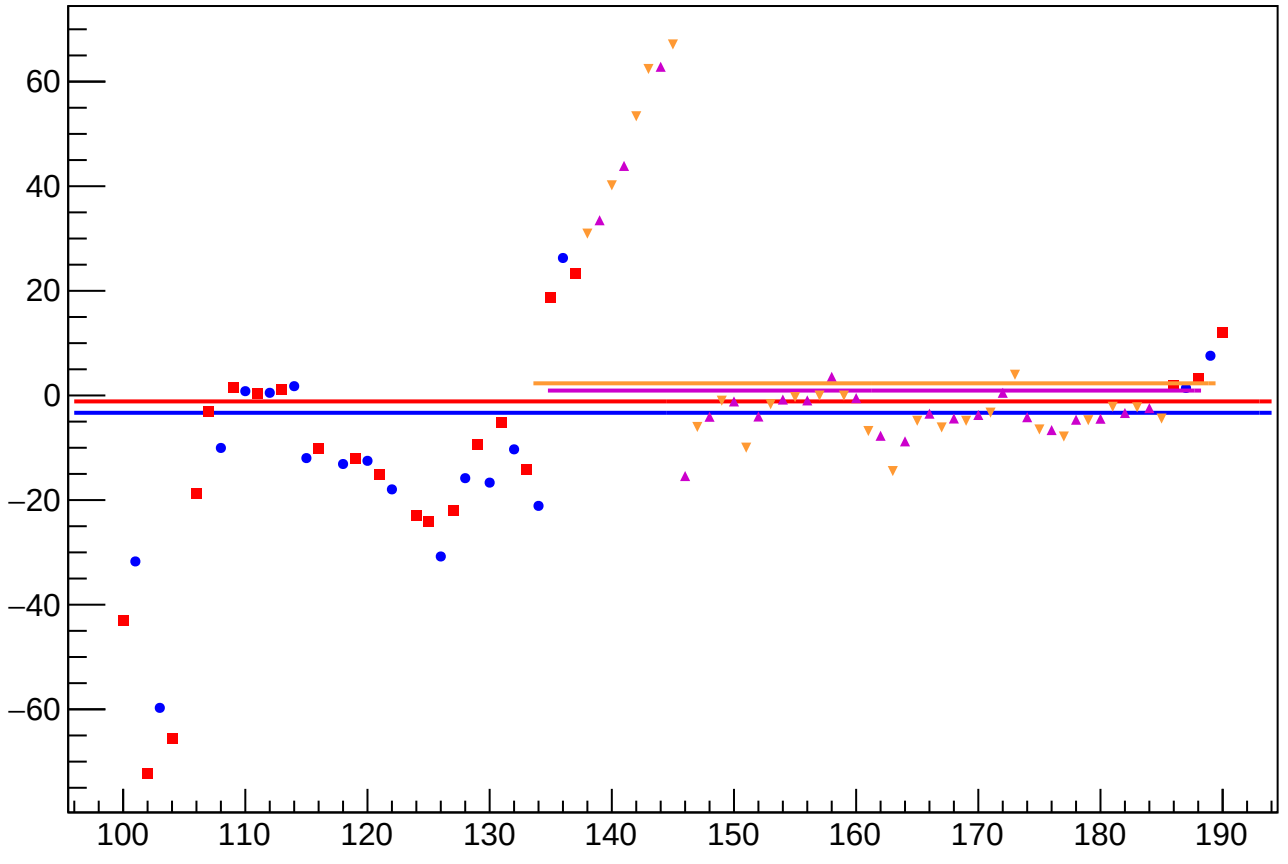
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: -0.145+/-0.003 χ^2/NDF: 34134.2/39

In: -0.074+/-0.001 χ^2/NDF:21038.3/40

Out: -0.066+/-0.001 χ^2/NDF:24752.1/46

All: -0.070+/-0.001 χ^2/NDF: 45806.6/87



Right In: -3.315+/-0.052 χ^2/NDF: 78044.8/17

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -1.139+/-0.041 χ^2/NDF: 84751.6/21

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

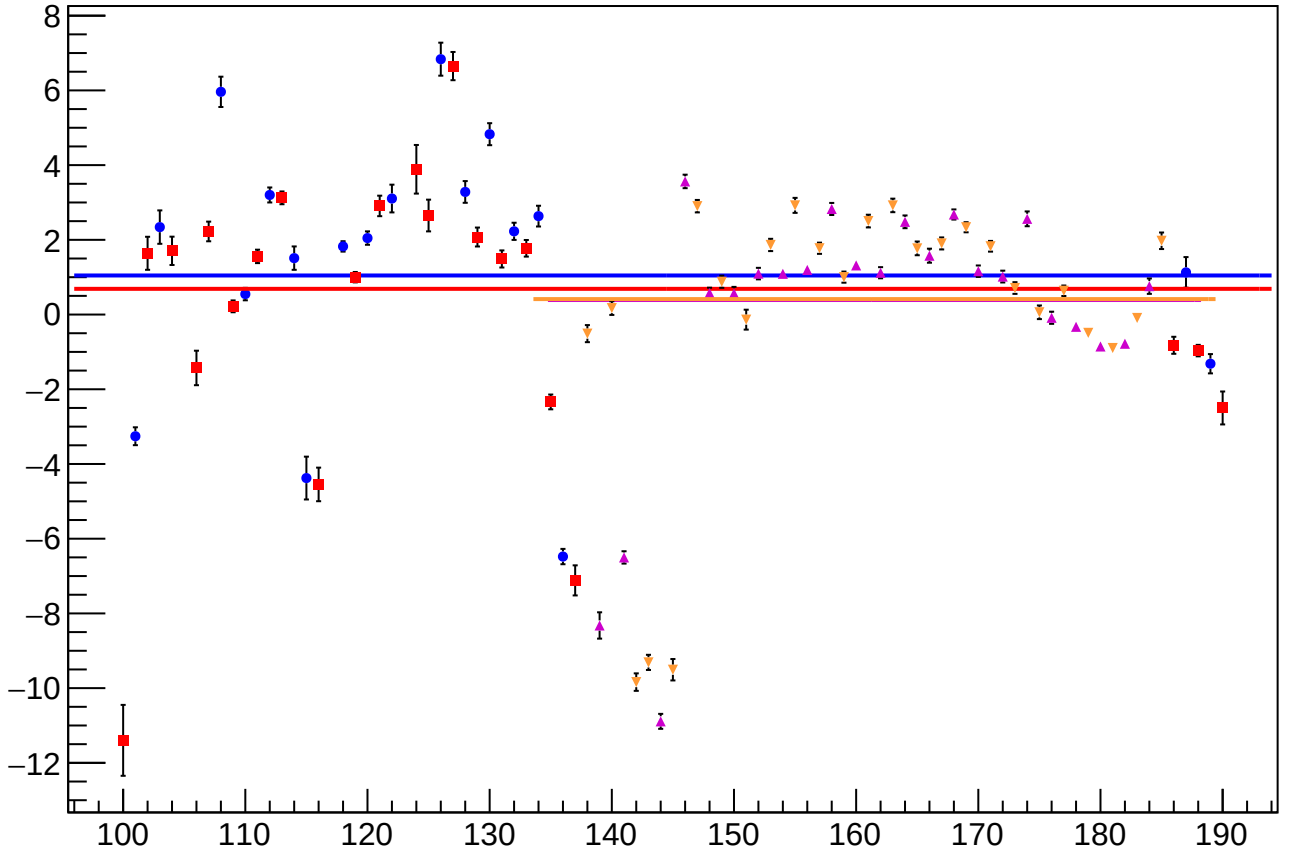
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -1.971+/-0.032 χ^2/NDF: 163888.4/39

In: -0.645+/-0.032 χ^2/NDF:214685.6/40

Out: 0.615+/-0.029 χ^2/NDF:265153.7/46

All: 0.047+/-0.021 χ^2/NDF: 480714.0/87



Right In: 1.046+/-0.058 χ^2/NDF: 2672.7/17

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.688+/-0.052 χ^2/NDF: 1851.9/21

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

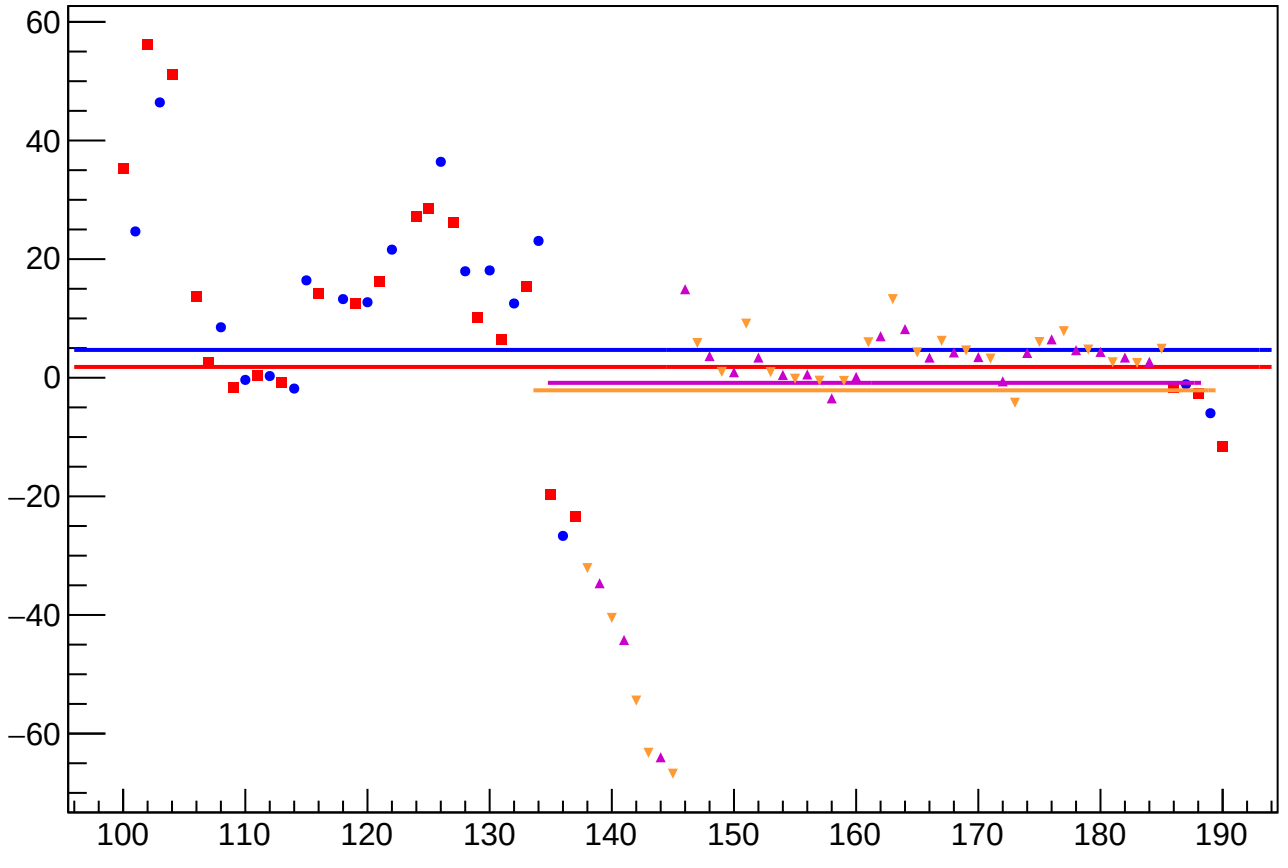
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.846+/-0.039 χ^2/NDF: 4545.9/39

In: 0.538+/-0.028 χ^2/NDF:9886.3/40

Out: 0.492+/-0.028 χ^2/NDF:8919.3/46

All: 0.515+/-0.020 χ^2/NDF: 18807.0/87



Right In: 4.690+/-0.059 χ^2/NDF: 75137.4/17

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 1.822+/-0.046 χ^2/NDF: 82414.4/21

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

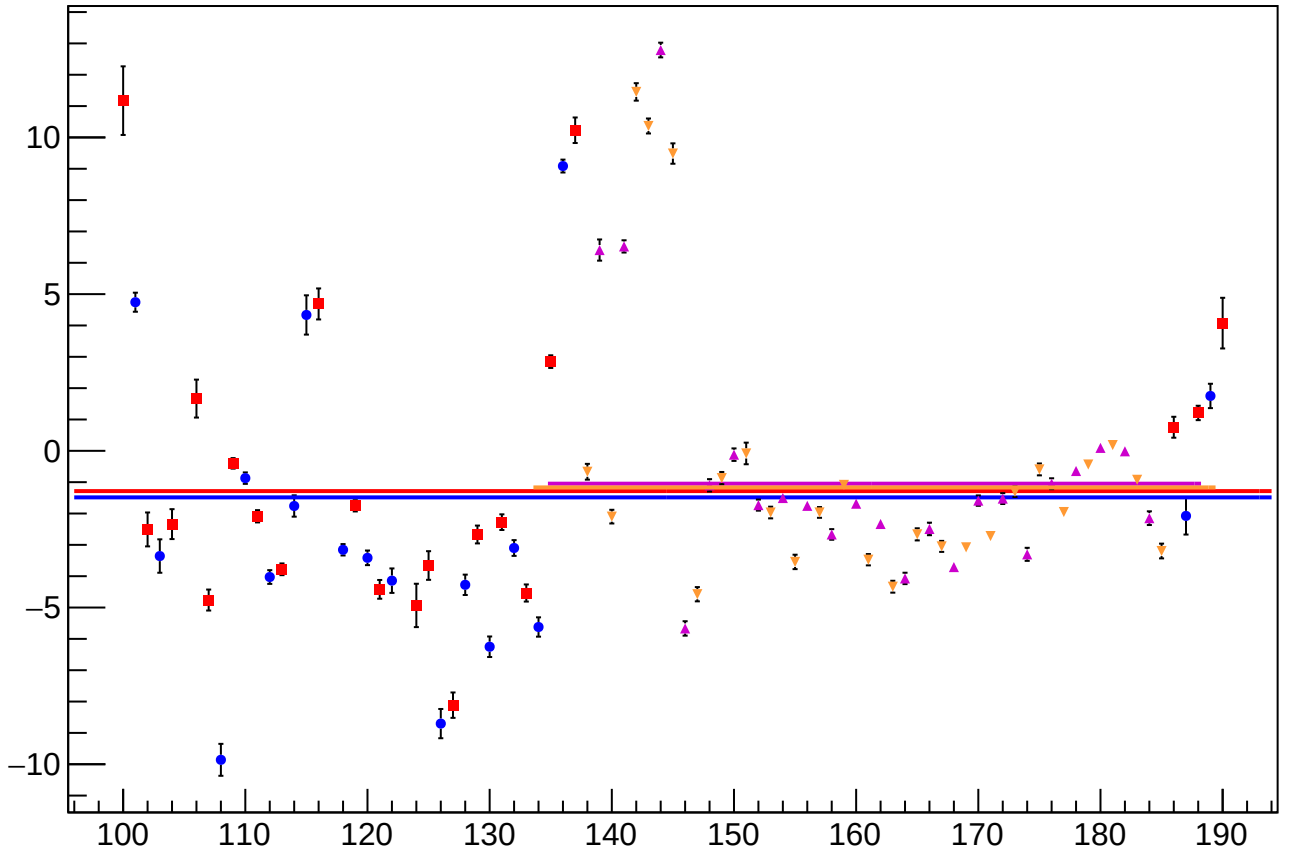
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 2.894+/-0.036 χ^2/NDF: 159033.1/39

In: 0.844+/-0.033 χ^2/NDF:210358.8/40

Out: -0.397+/-0.030 χ^2/NDF:257671.3/46

All: 0.173+/-0.022 χ^2/NDF: 468811.0/87



Right In: -1.485+/-0.068 χ^2/NDF: 4596.5/17

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.285+/-0.061 χ^2/NDF: 2693.8/21

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

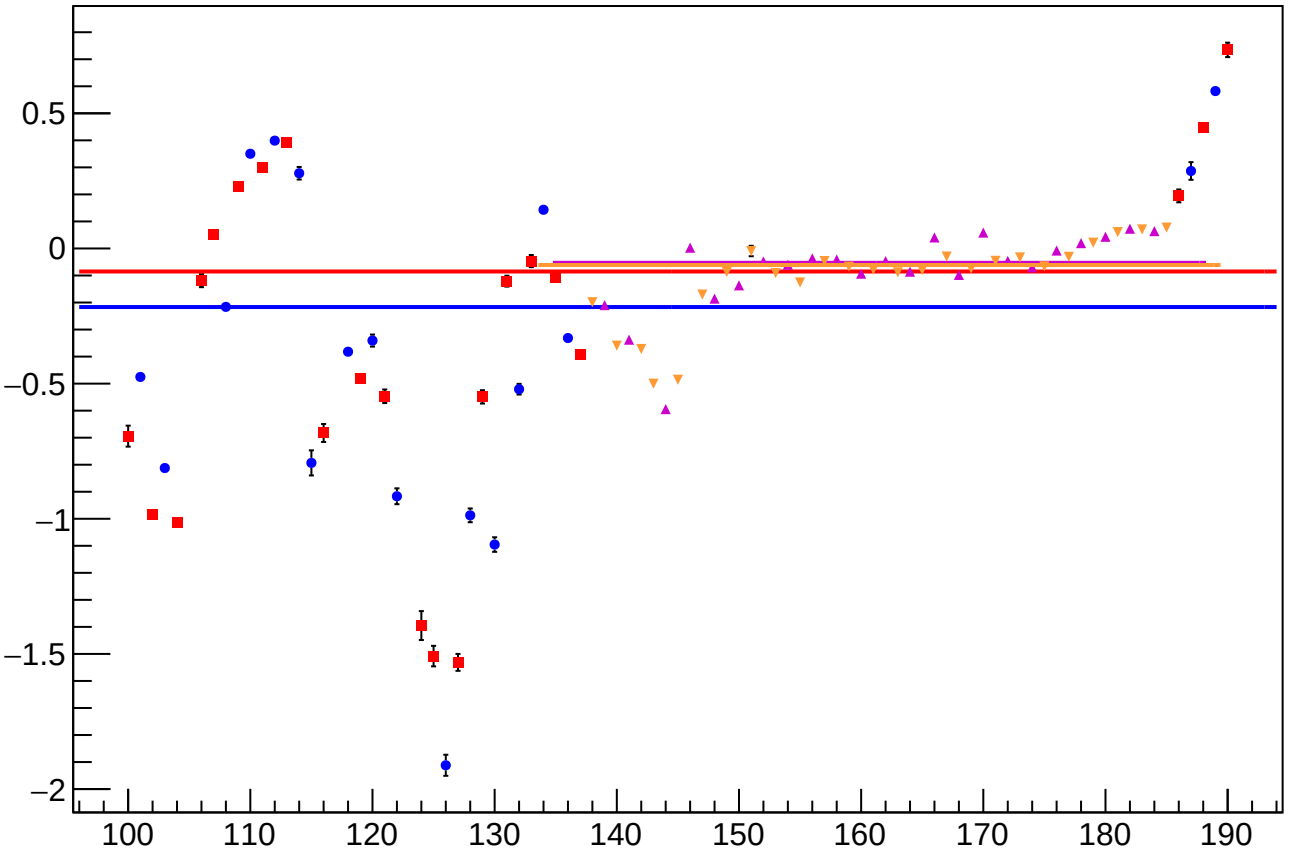
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.374+/-0.045 χ^2/NDF: 7295.1/39

In: -1.139+/-0.031 χ^2/NDF:11670.2/40

Out: -1.198+/-0.031 χ^2/NDF:9697.9/46

All: -1.169+/-0.022 χ^2/NDF: 21369.9/87



Right In: -0.217+/-0.004 χ^2/NDF: 14571.0/17

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.085+/-0.004 χ^2/NDF: 19052.6/21

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

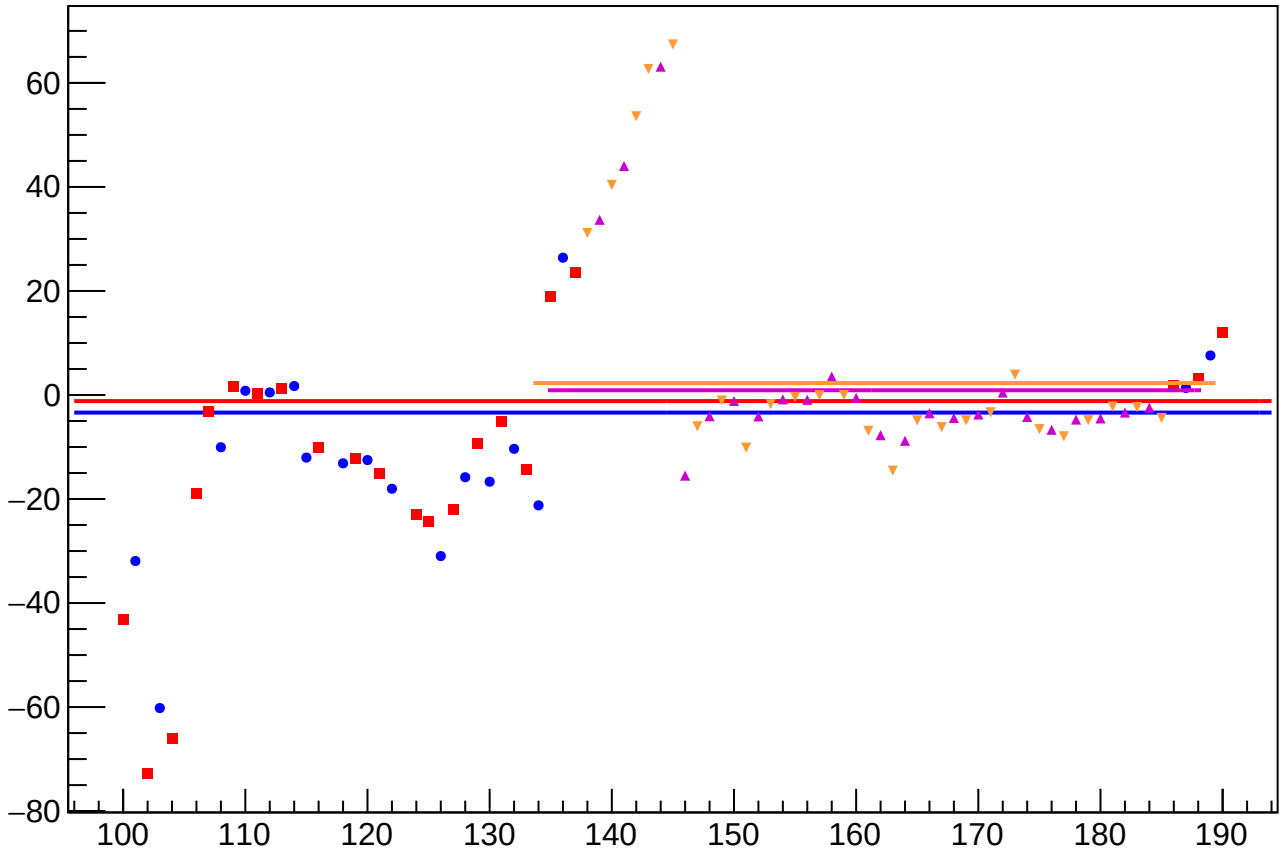
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.143+/-0.003 χ^2/NDF: 34233.2/39

In: -0.073+/-0.001 χ^2/NDF:21053.3/40

Out: -0.065+/-0.001 χ^2/NDF:24820.4/46

All: -0.069+/-0.001 χ^2/NDF: 45889.2/87



Right In: -3.383+/-0.052 χ^2/NDF: 78028.5/17

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -1.173+/-0.041 χ^2/NDF: 84790.0/21

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

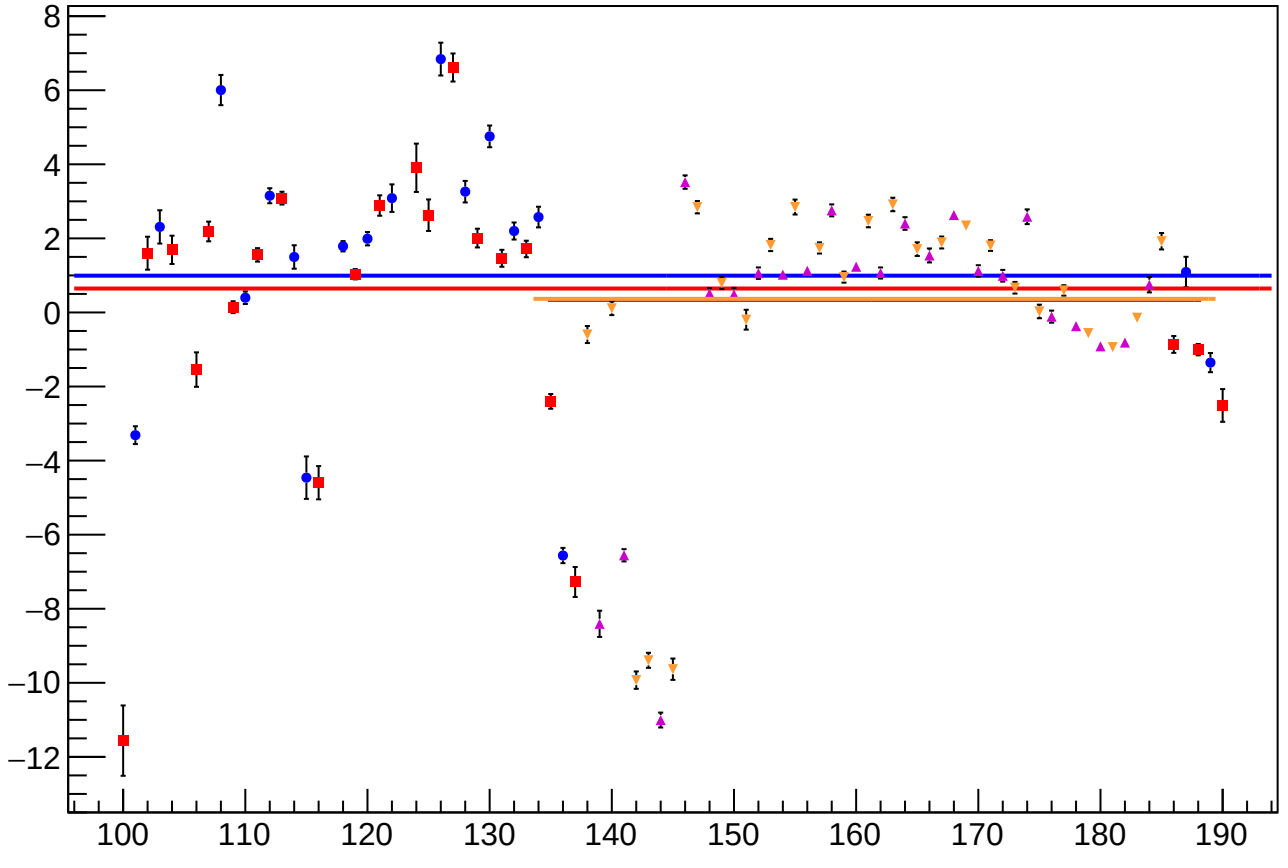
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -2.016+/-0.032 χ^2/NDF: 163930.7/39

In: -0.679+/-0.032 χ^2/NDF:214881.1/40

Out: 0.589+/-0.029 χ^2/NDF:265622.7/46

All: 0.018+/-0.021 χ^2/NDF: 481381.4/87



Right In: 0.993+/-0.058 χ^2/NDF: 2677.9/17

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.646+/-0.052 χ^2/NDF: 1866.5/21

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

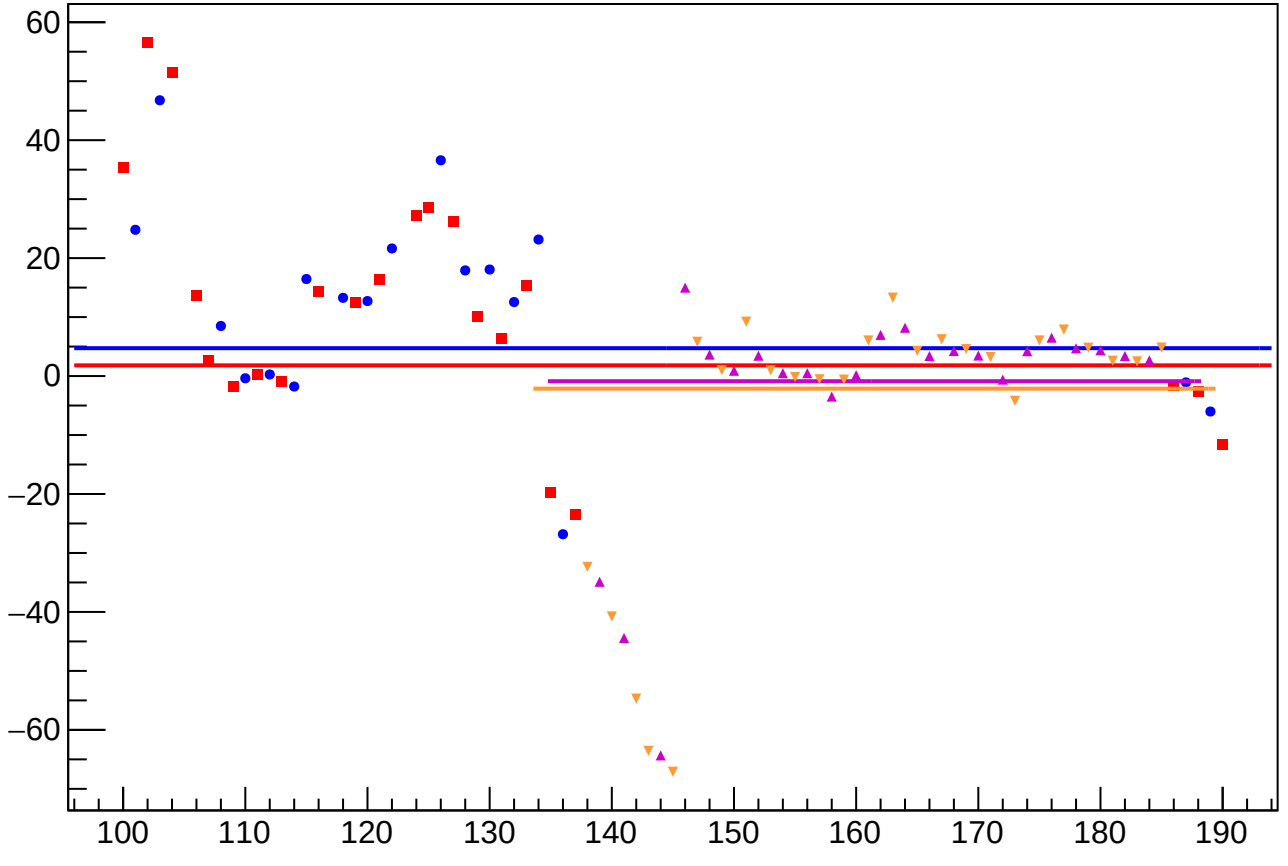
Right: 0.799+/-0.039 χ^2/NDF: 4564.2/39

In: 0.485+/-0.028 χ^2/NDF:9870.5/40

Out: 0.447+/-0.028 χ^2/NDF:8955.1/46

All: 0.466+/-0.020 χ^2/NDF: 18826.5/87

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.728+/-0.059 χ^2/NDF: 75138.0/17

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 1.819+/-0.046 χ^2/NDF: 82487.4/21

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

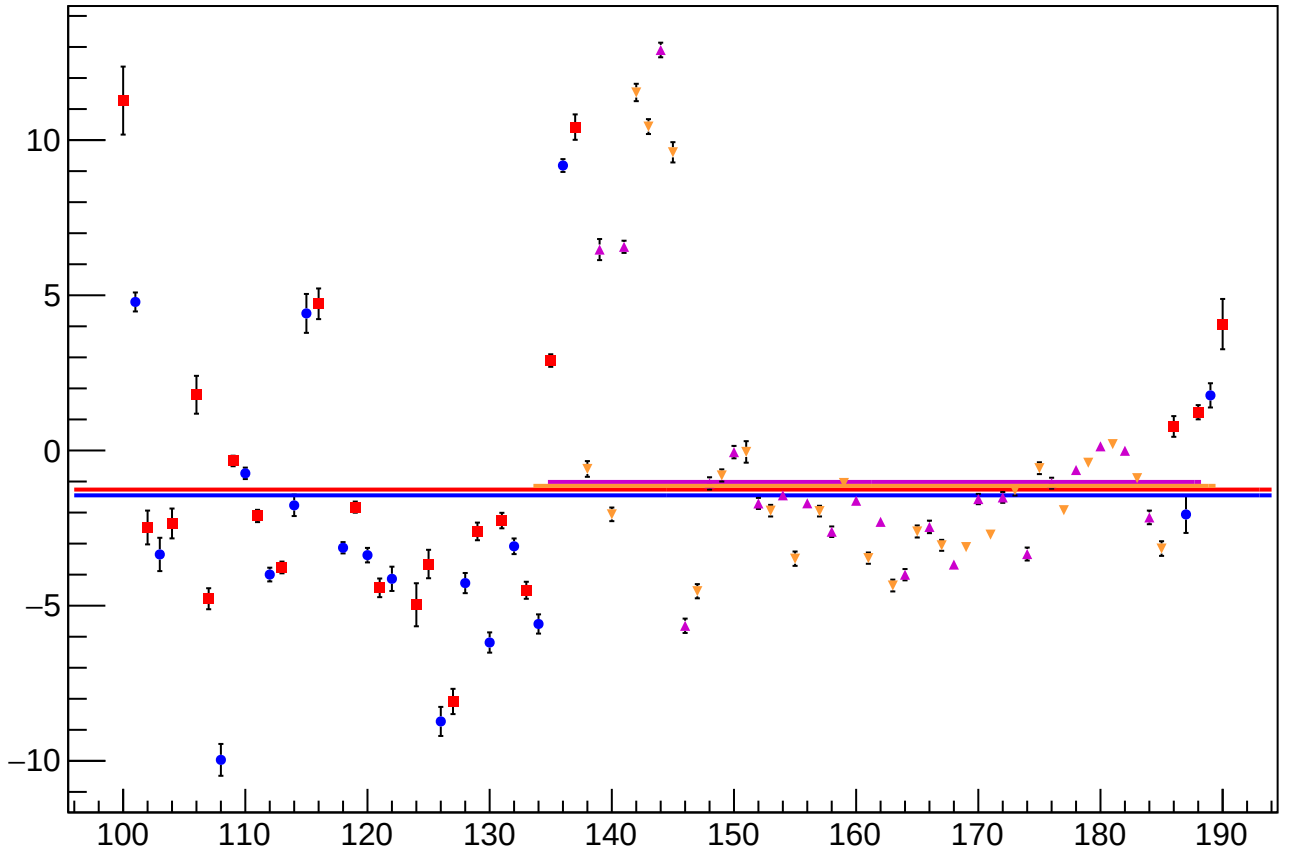
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 2.903+/-0.036 χ^2/NDF: 159135.7/39

In: 0.843+/-0.033 χ^2/NDF:210589.4/40

Out: -0.404+/-0.030 χ^2/NDF:258163.0/46

All: 0.168+/-0.022 χ^2/NDF: 469534.0/87



Right In: -1.446+/-0.068 χ^2/NDF: 4606.8/17

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.260+/-0.061 χ^2/NDF: 2718.2/21

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

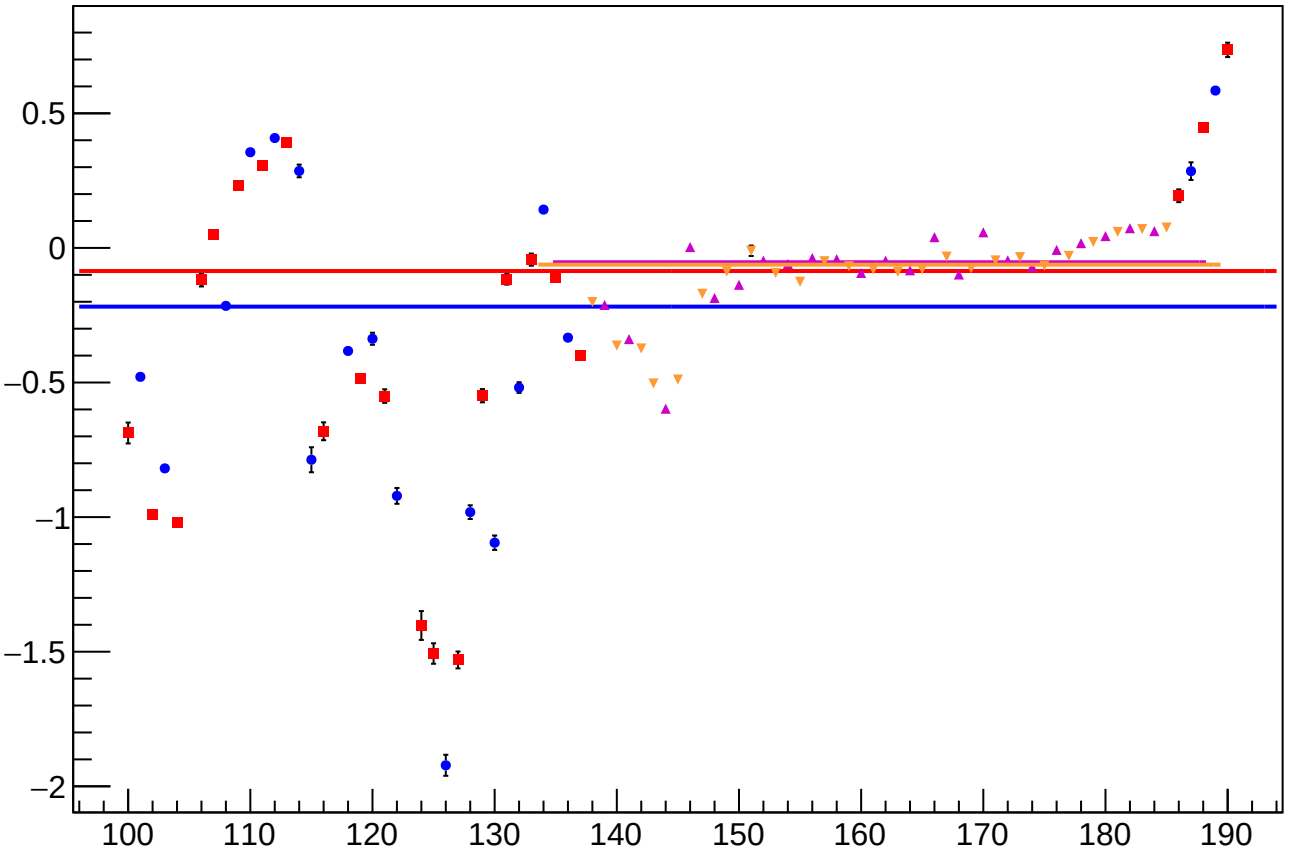
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.343+/-0.045 χ^2/NDF: 7329.2/39

In: -1.103+/-0.031 χ^2/NDF:11666.1/40

Out: -1.171+/-0.031 χ^2/NDF:9744.0/46

All: -1.137+/-0.022 χ^2/NDF: 21412.4/87



Right In: -0.218+/-0.004 χ^2/NDF: 14597.4/17

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.086+/-0.004 χ^2/NDF: 19034.9/21

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

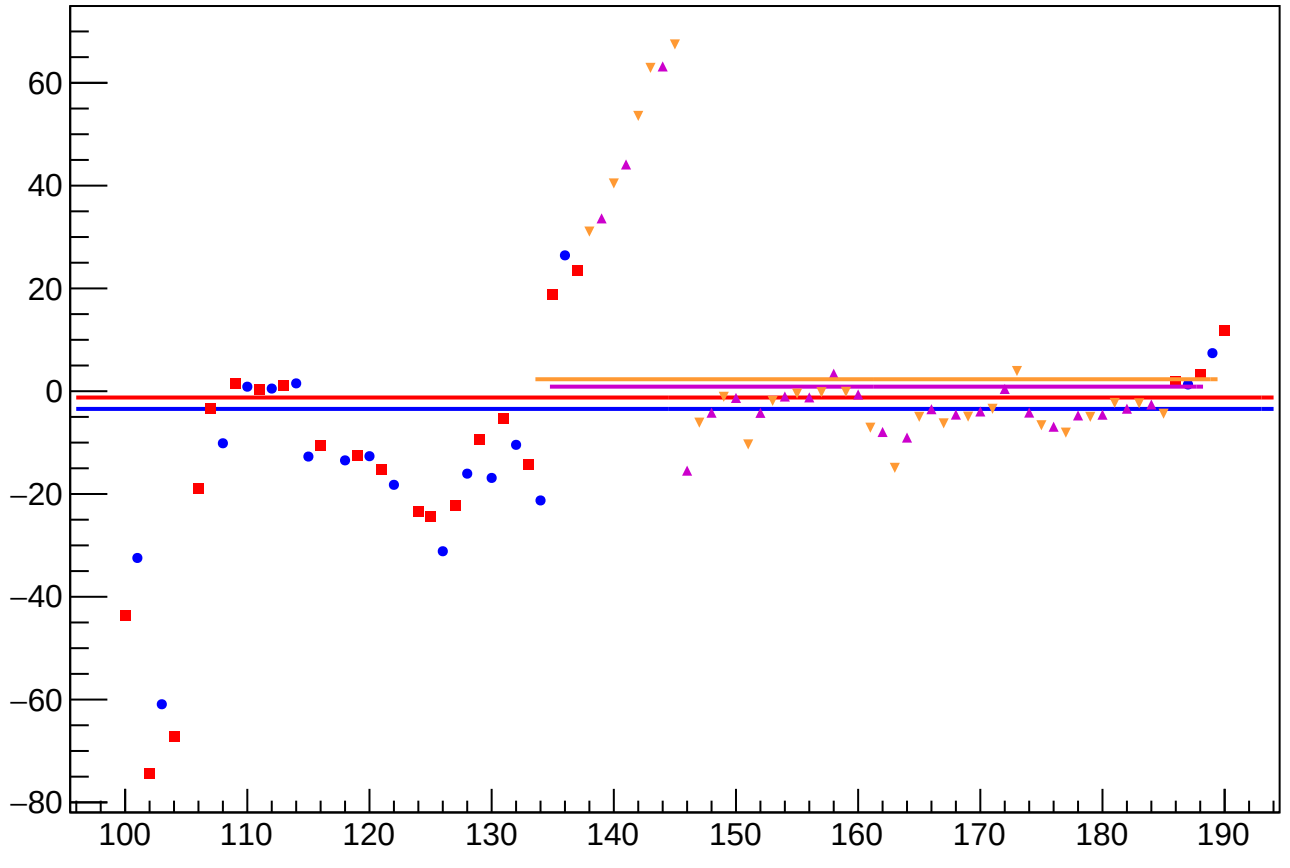
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: -0.144+/-0.003 χ^2/NDF: 34242.3/39

In: -0.073+/-0.001 χ^2/NDF:21071.9/40

Out: -0.066+/-0.001 χ^2/NDF:24808.2/46

All: -0.070+/-0.001 χ^2/NDF: 45893.2/87



Right In: -3.445+/-0.053 χ^2/NDF: 76968.6/17

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -1.226+/-0.042 χ^2/NDF: 83906.8/21

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

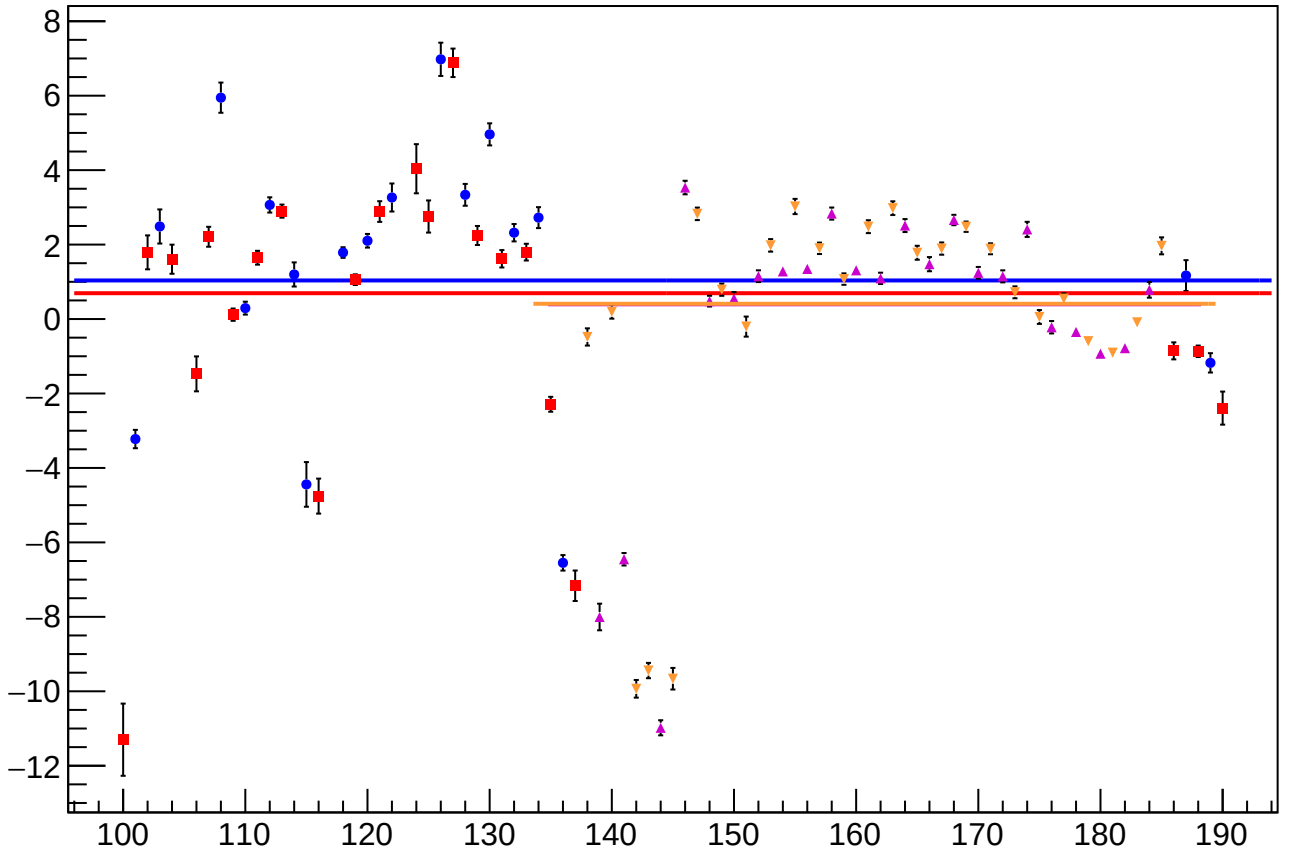
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -2.075+/-0.033 χ^2/NDF: 161957.7/39

In: -0.723+/-0.032 χ^2/NDF:211583.7/40

Out: 0.578+/-0.029 χ^2/NDF:262243.2/46

All: -0.008+/-0.022 χ^2/NDF: 474717.7/87



Right In: 1.037+/-0.059 χ^2/NDF: 2626.4/17

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.694+/-0.053 χ^2/NDF: 1790.2/21

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

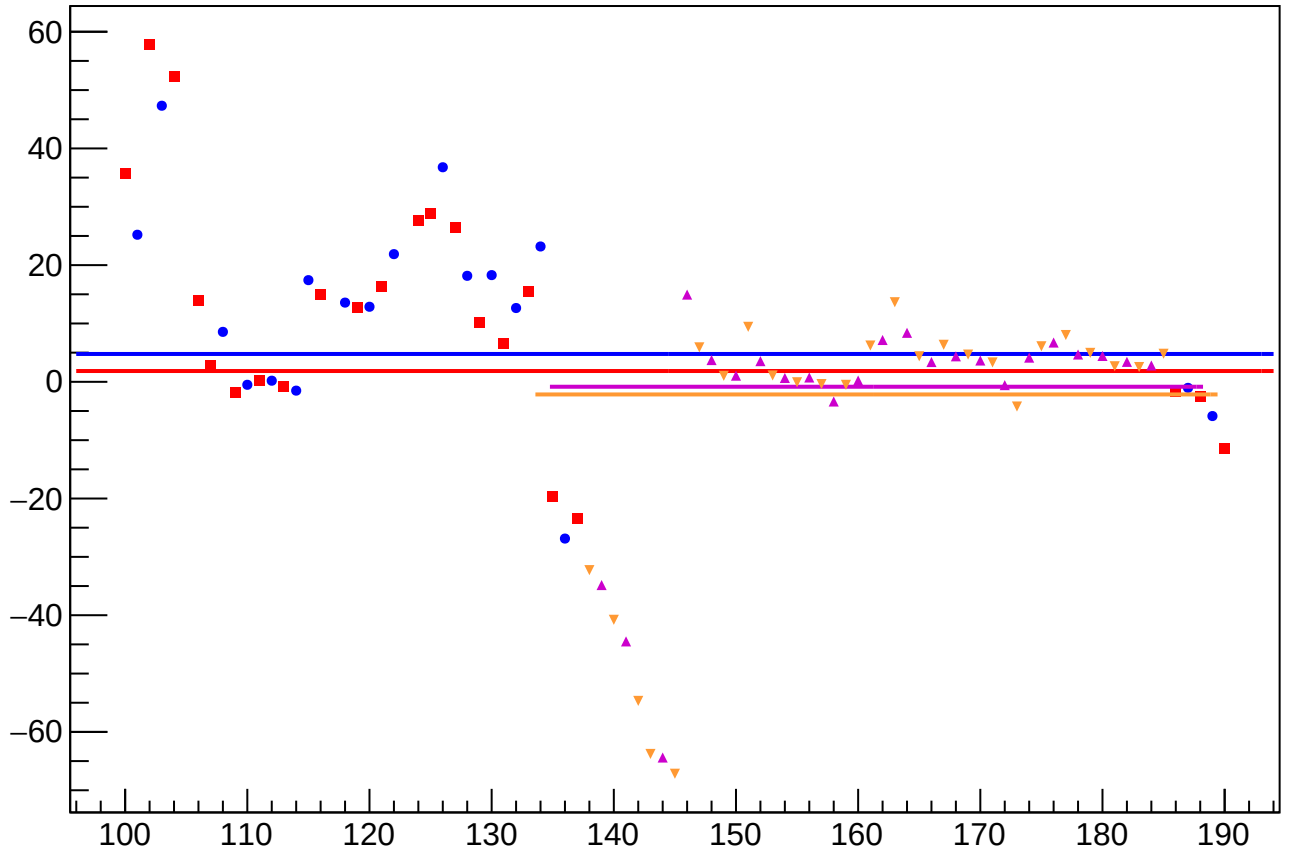
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.845+/-0.039 χ^2/NDF: 4435.2/39

In: 0.541+/-0.028 χ^2/NDF:9648.7/40

Out: 0.491+/-0.028 χ^2/NDF:8858.8/46

All: 0.517+/-0.020 χ^2/NDF: 18509.1/87



Right In: 4.774+/-0.060 χ^2/NDF: 74174.1/17

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 1.852+/-0.046 χ^2/NDF: 81644.1/21

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

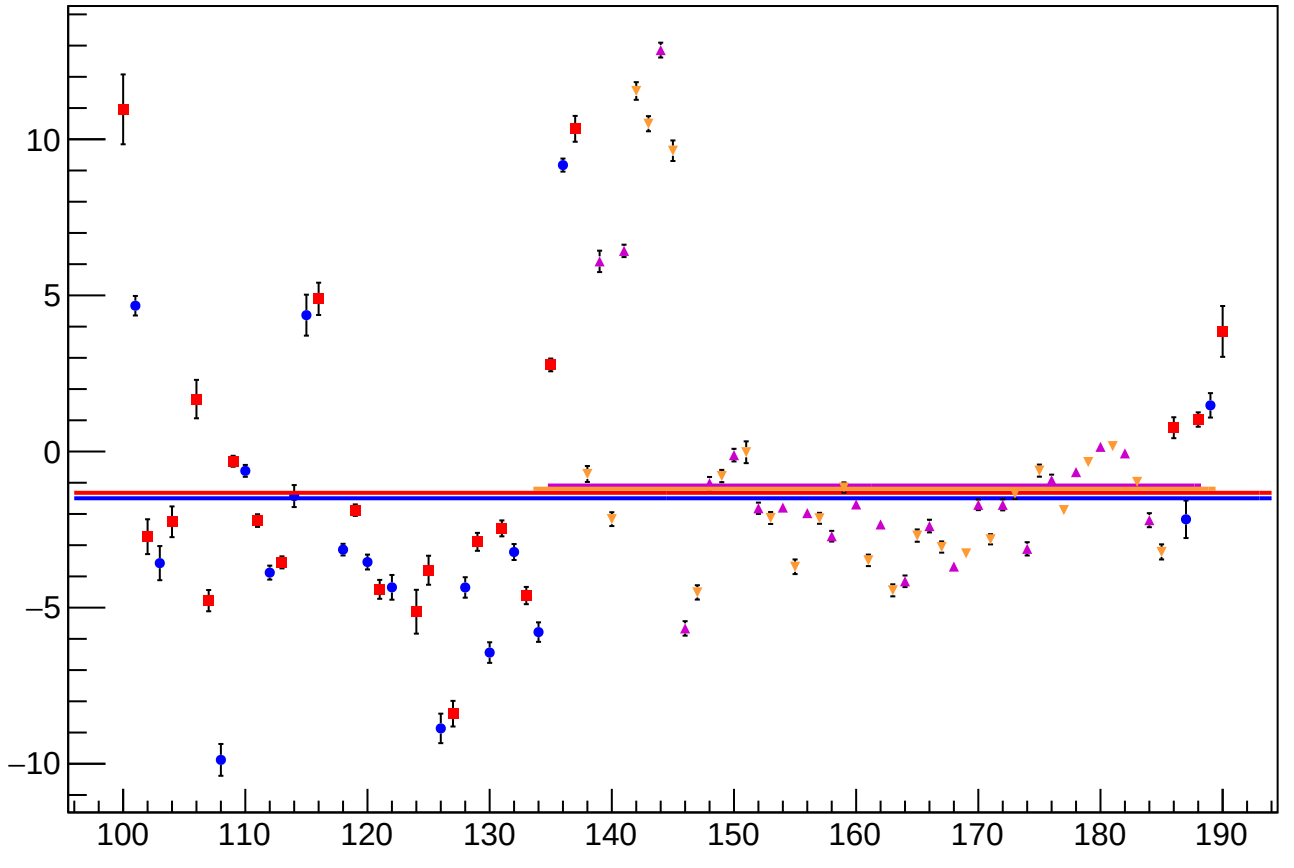
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 2.938+/-0.037 χ^2/NDF: 157297.8/39

In: 0.888+/-0.033 χ^2/NDF:207329.5/40

Out: -0.397+/-0.031 χ^2/NDF:254841.4/46

All: 0.192+/-0.023 χ^2/NDF: 462971.8/87



Right In: -1.498+/-0.069 χ^2/NDF: 4533.2/17

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.322+/-0.062 χ^2/NDF: 2626.6/21

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

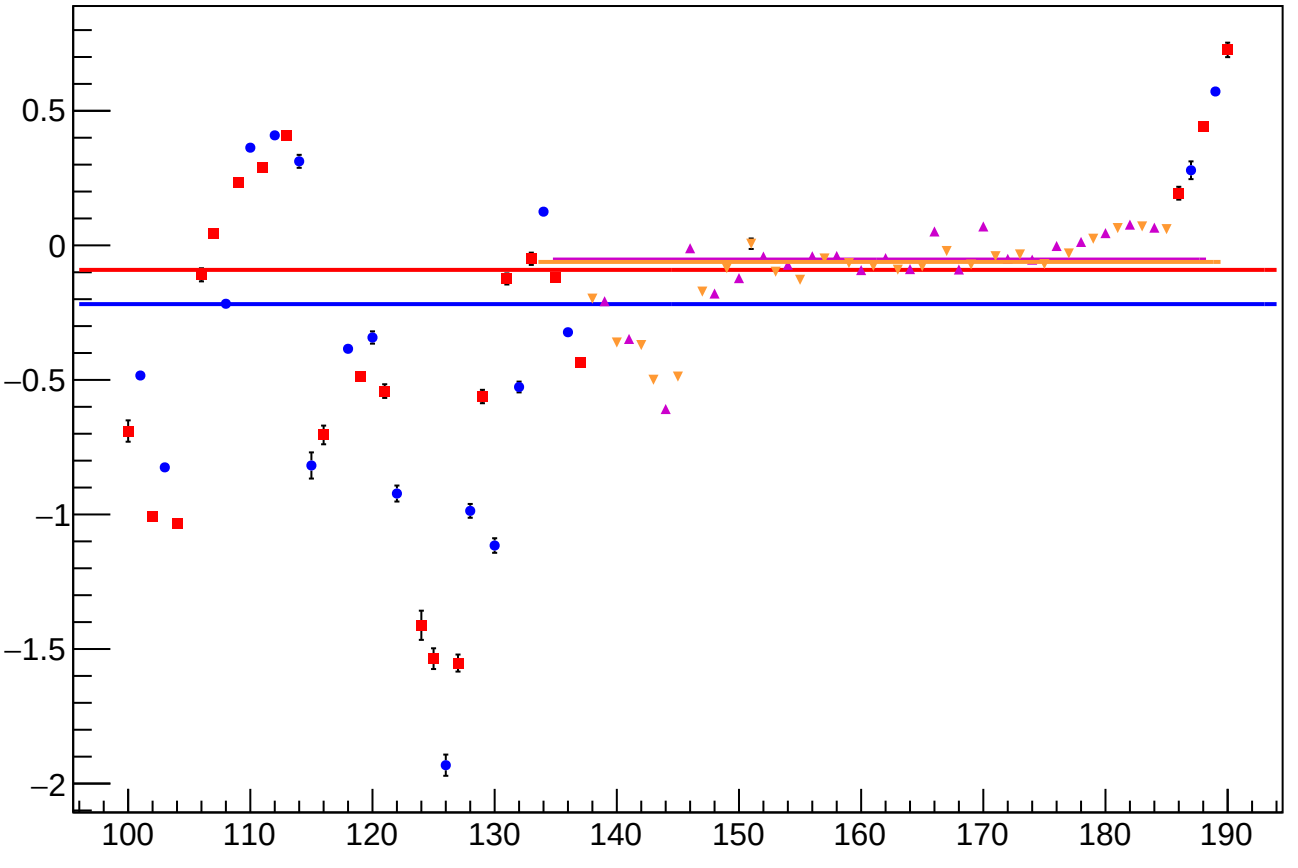
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.400+/-0.046 χ^2/NDF: 7163.4/39

In: -1.175+/-0.032 χ^2/NDF:11401.6/40

Out: -1.225+/-0.032 χ^2/NDF:9625.8/46

All: -1.200+/-0.022 χ^2/NDF: 21028.6/87



Right In: -0.218+/-0.004 χ^2/NDF: 14298.3/17

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.091+/-0.004 χ^2/NDF: 18829.0/21

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

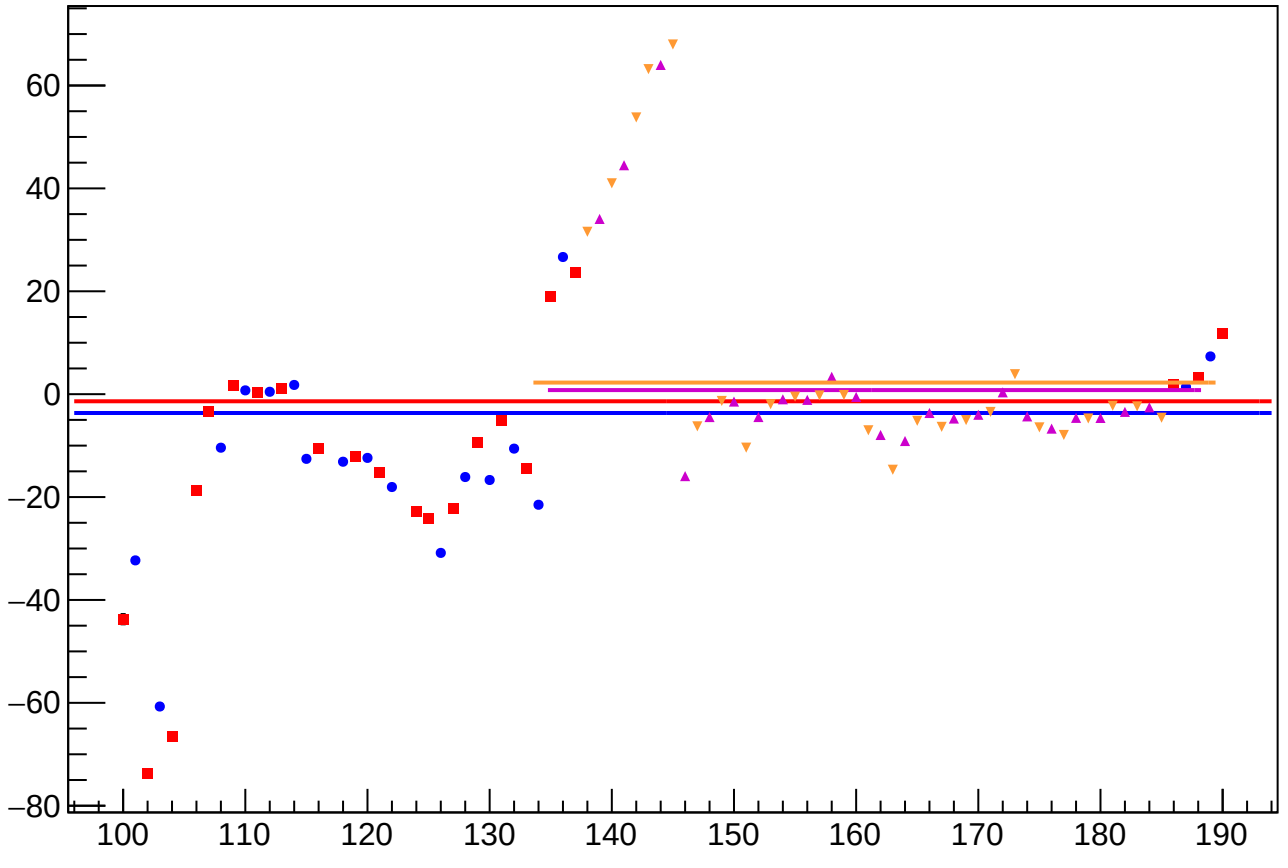
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: -0.147+/-0.003 χ^2/NDF: 33674.7/39

In: -0.073+/-0.001 χ^2/NDF:20783.9/40

Out: -0.066+/-0.001 χ^2/NDF:24448.7/46

All: -0.070+/-0.001 χ^2/NDF: 45243.0/87



Right In: -3.658+/-0.054 χ^2/NDF: 75485.0/17

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -1.382+/-0.043 χ^2/NDF: 82169.3/21

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

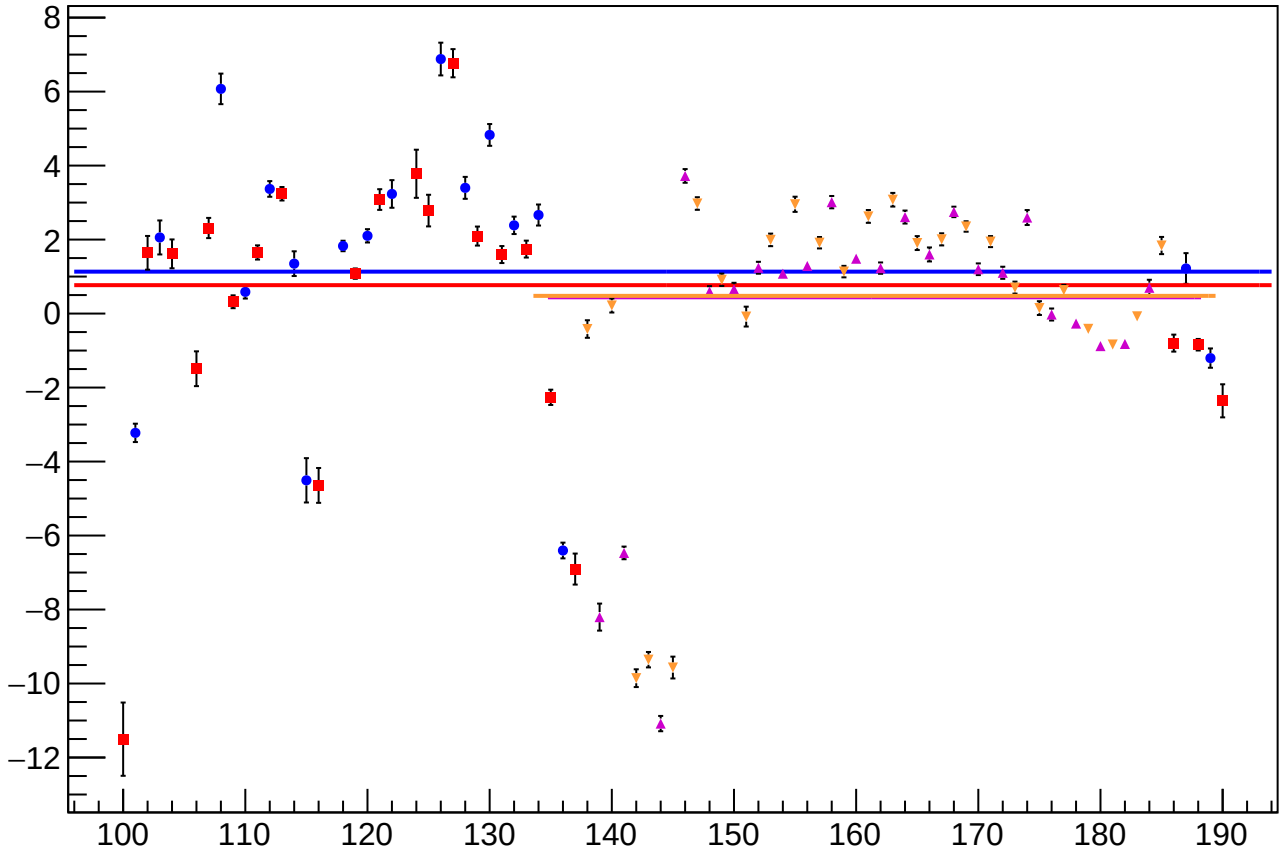
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -2.258+/-0.033 χ^2/NDF: 158749.0/39

In: -0.844+/-0.033 χ^2/NDF:208617.2/40

Out: 0.488+/-0.030 χ^2/NDF:257571.6/46

All: -0.115+/-0.022 χ^2/NDF: 467096.3/87



Right In: 1.133+/-0.060 χ^2/NDF: 2528.4/17

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.768+/-0.053 χ^2/NDF: 1735.8/21

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

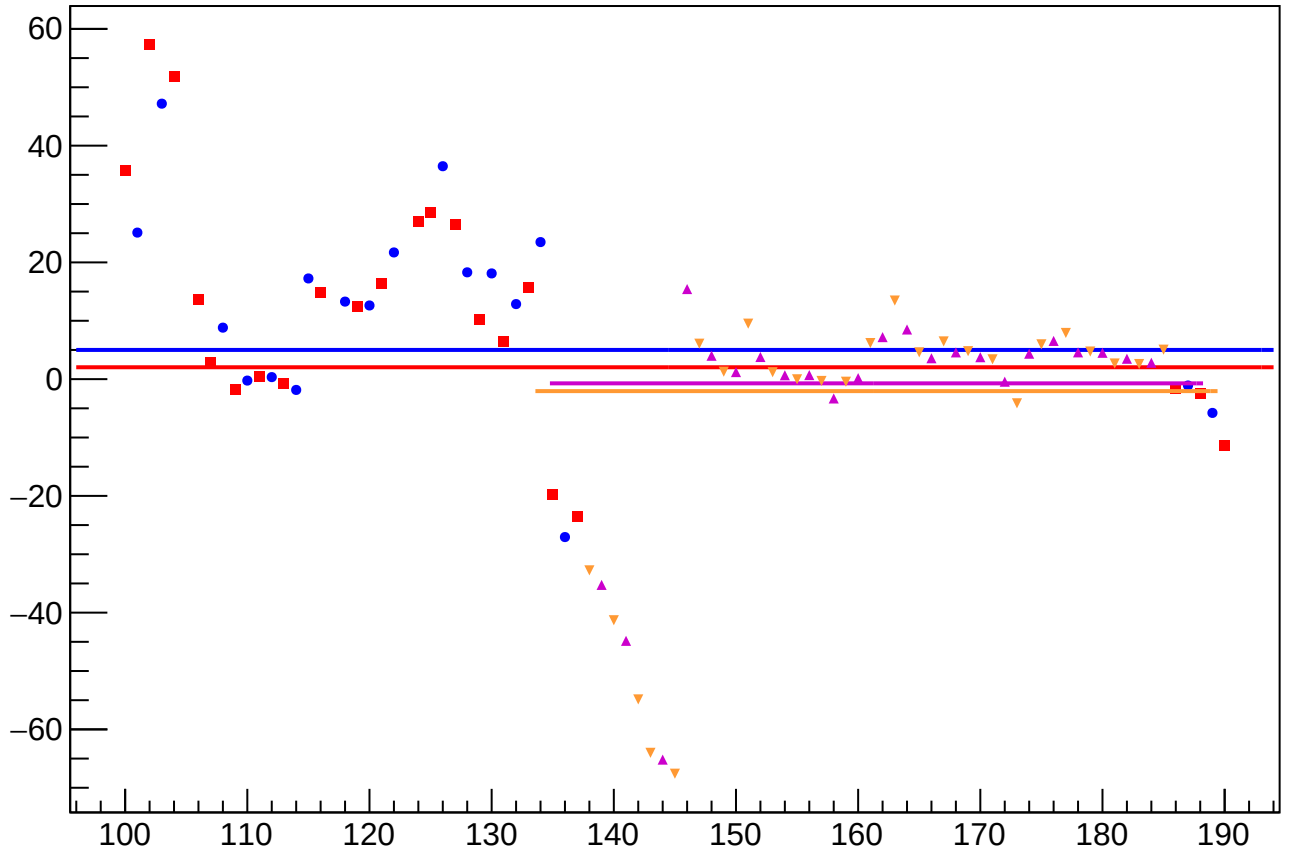
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.930+/-0.040 χ^2/NDF: 4284.9/39

In: 0.598+/-0.028 χ^2/NDF:9526.2/40

Out: 0.561+/-0.029 χ^2/NDF:8564.8/46

All: 0.579+/-0.020 χ^2/NDF: 18091.9/87



Right In: 5.004+/-0.061 χ^2/NDF: 72670.8/17

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 2.036+/-0.047 χ^2/NDF: 79901.8/21

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

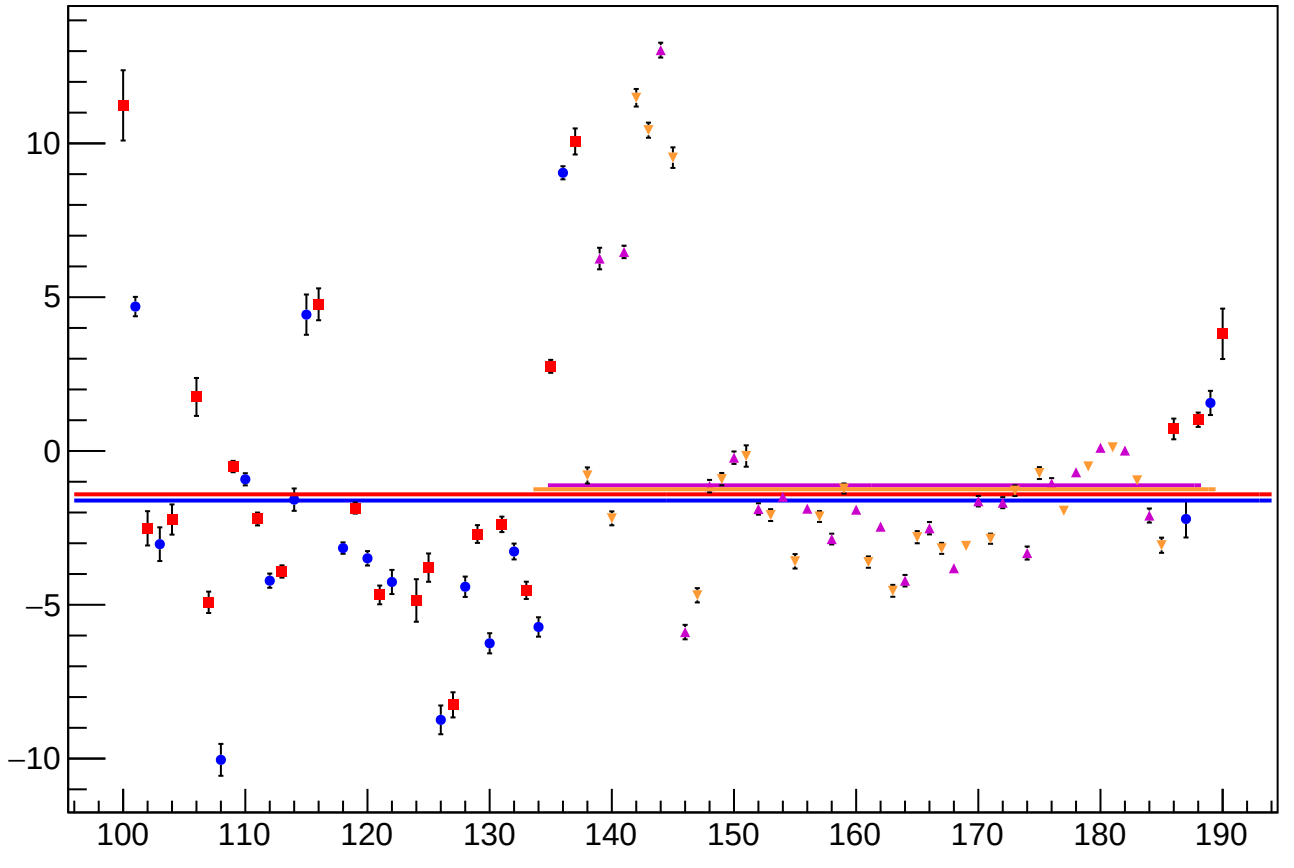
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 3.146+/-0.037 χ^2/NDF: 154056.8/39

In: 1.037+/-0.034 χ^2/NDF:204311.2/40

Out: -0.267+/-0.031 χ^2/NDF:250152.4/46

All: 0.332+/-0.023 χ^2/NDF: 455270.0/87



Right In: -1.611+/-0.070 χ^2/NDF: 4357.7/17

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.410+/-0.063 χ^2/NDF: 2520.8/21

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

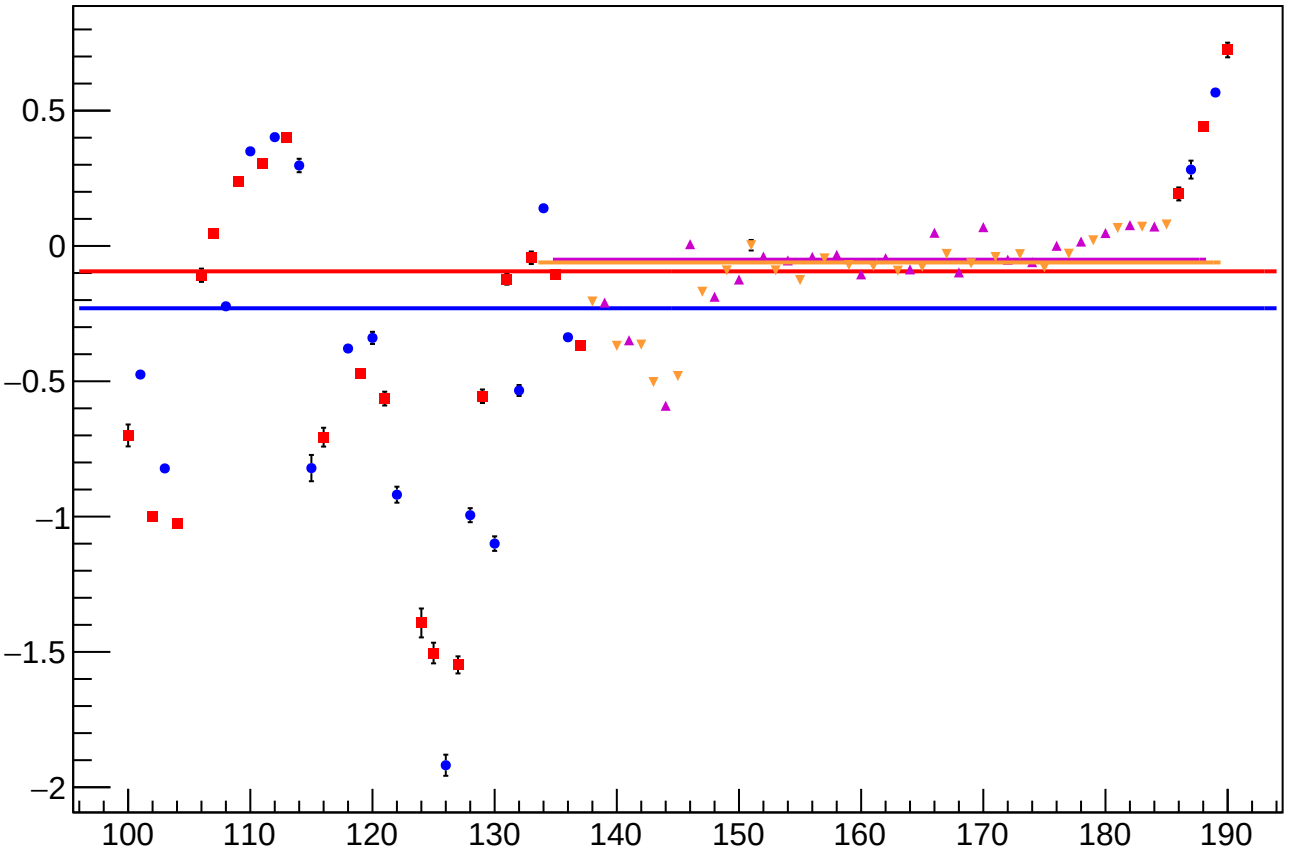
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.500+/-0.047 χ^2/NDF: 6883.0/39

In: -1.220+/-0.032 χ^2/NDF:11237.4/40

Out: -1.287+/-0.032 χ^2/NDF:9294.6/46

All: -1.254+/-0.023 χ^2/NDF: 20534.2/87



Right In: -0.230+/-0.004 χ^2/NDF: 13833.8/17

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: -0.094+/-0.004 χ^2/NDF: 18249.4/21

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

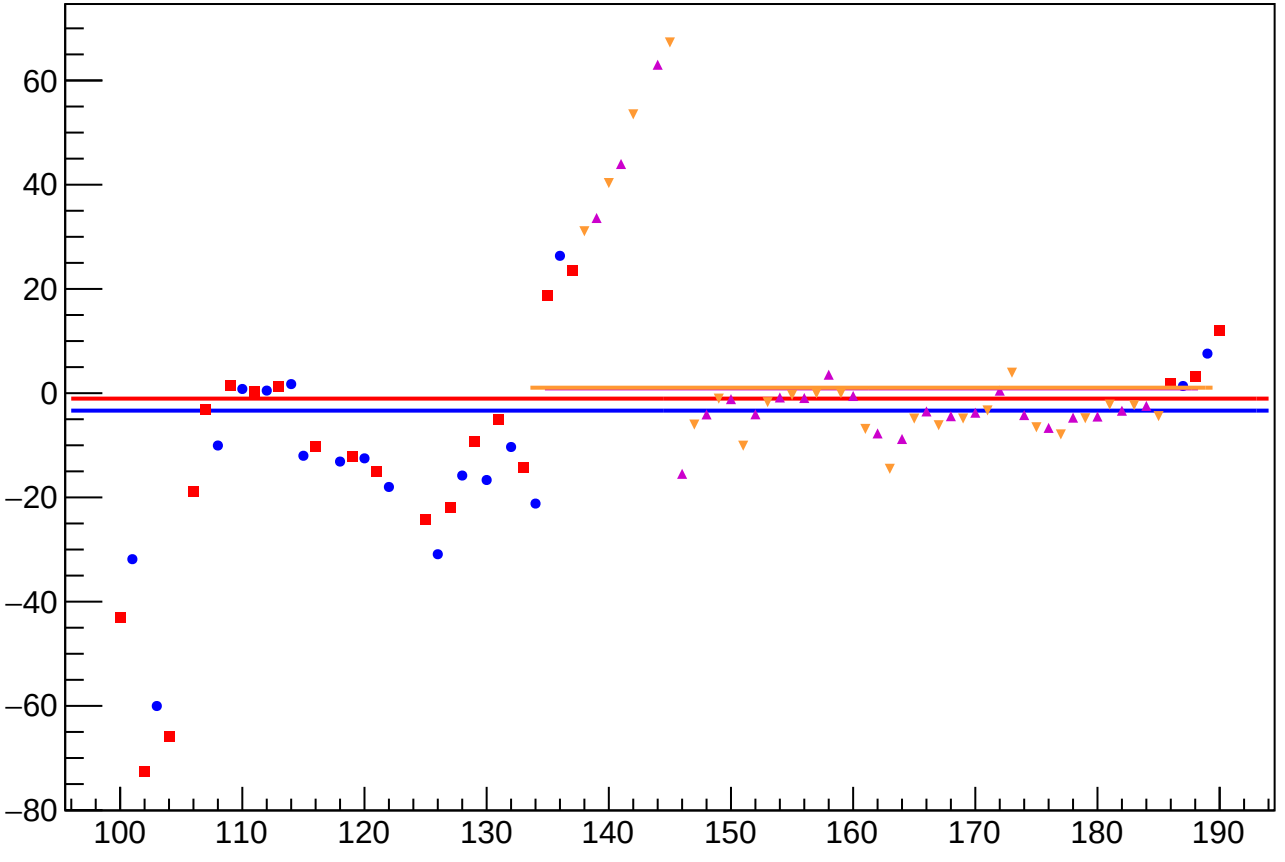
Right: -0.154+/-0.003 χ^2/NDF: 32692.8/39

In: -0.073+/-0.001 χ^2/NDF:20372.1/40

Out: -0.066+/-0.001 χ^2/NDF:23796.2/46

All: -0.070+/-0.001 χ^2/NDF: 44177.8/87

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.348+/-0.052 χ^2/NDF: 78201.4/17

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: -1.042+/-0.041 χ^2/NDF: 83527.7/20

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

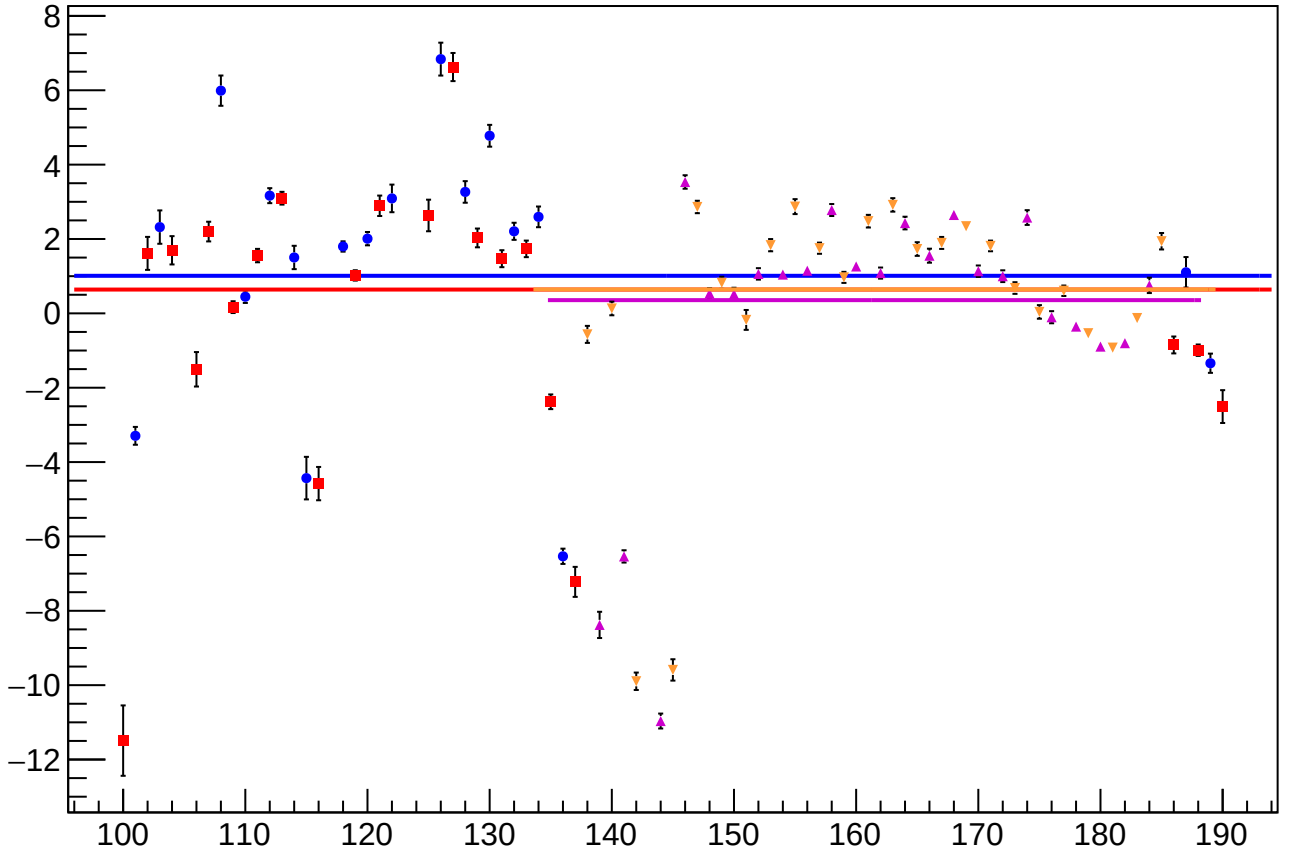
Right: -1.925+/-0.032 χ^2/NDF: 162949.2/38

In: -0.667+/-0.032 χ^2/NDF:215255.1/40

Out: 0.012+/-0.029 χ^2/NDF:215884.2/44

All: -0.296+/-0.021 χ^2/NDF: 431392.4/85

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.010+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.640+/-0.052 χ^2/NDF: 1842.7/20

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

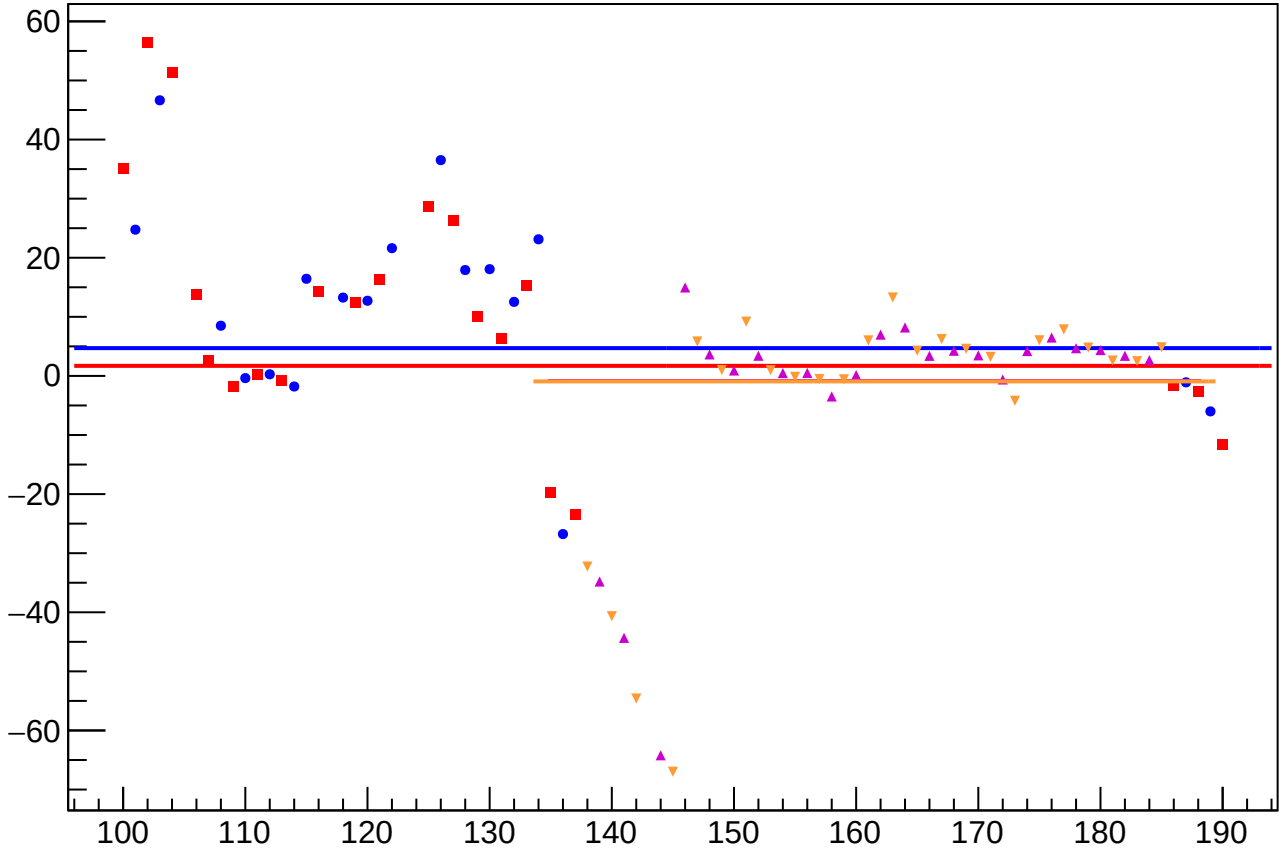
Right: 0.804+/-0.039 χ^2/NDF: 4548.0/38

In: 0.503+/-0.028 χ^2/NDF:9898.3/40

Out: 0.643+/-0.028 χ^2/NDF:6553.8/44

All: 0.572+/-0.020 χ^2/NDF: 16464.7/85

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.704+/-0.059 χ^2/NDF: 75299.1/17

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 1.704+/-0.046 χ^2/NDF: 81335.5/20

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

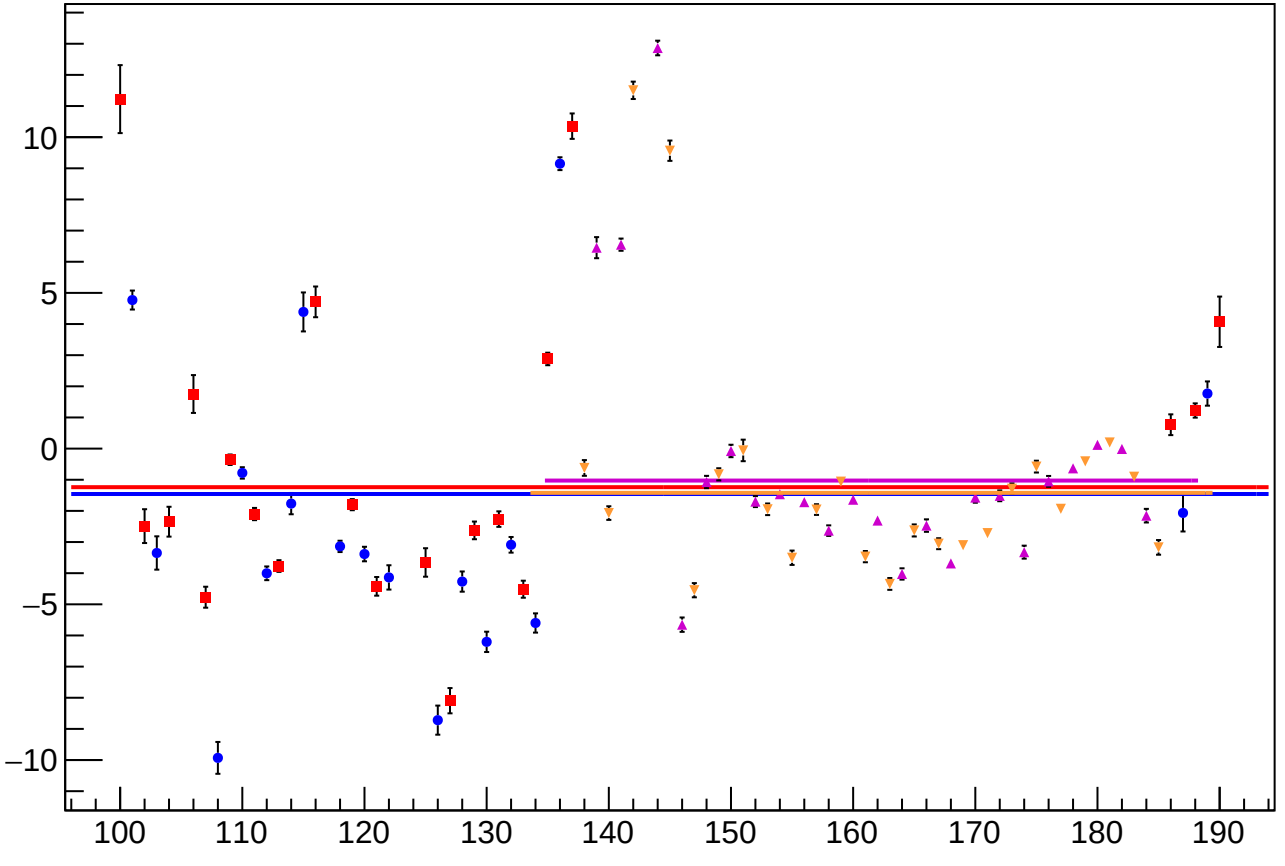
Right: 2.825+/-0.036 χ^2/NDF: 158250.1/38

In: 0.843+/-0.033 χ^2/NDF:210942.4/40

Out: 0.233+/-0.030 χ^2/NDF:209575.9/44

All: 0.515+/-0.022 χ^2/NDF: 420705.9/85

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.458+/-0.068 χ^2/NDF: 4615.0/17

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -1.238+/-0.061 χ^2/NDF: 2690.0/20

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

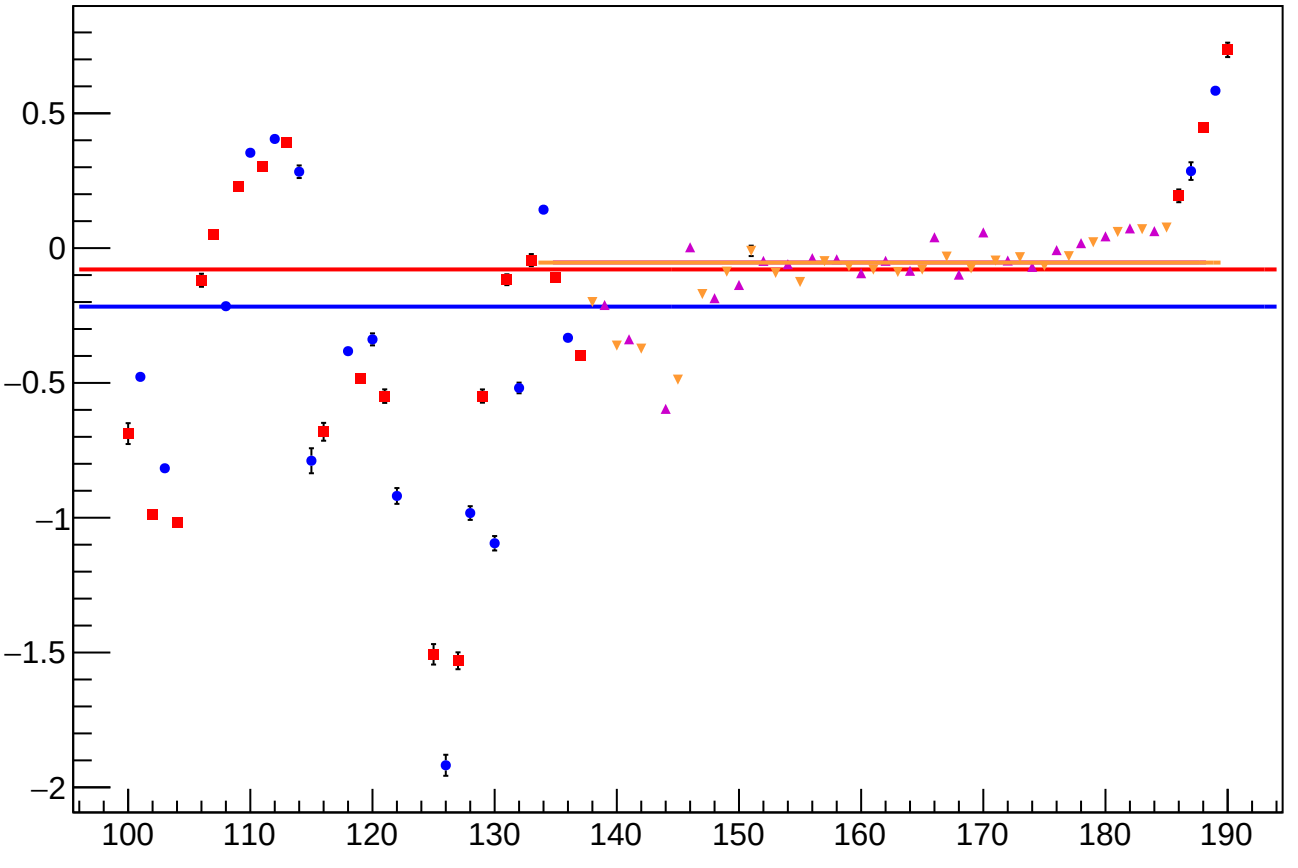
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -1.336+/-0.045 χ^2/NDF: 7310.8/38

In: -1.116+/-0.031 χ^2/NDF:11694.3/40

Out: -1.372+/-0.031 χ^2/NDF:7338.5/44

All: -1.242+/-0.022 χ^2/NDF: 19066.5/85



Right In: -0.217+/-0.004 χ^2/NDF: 14630.3/17

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: -0.079+/-0.004 χ^2/NDF: 18488.6/20

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

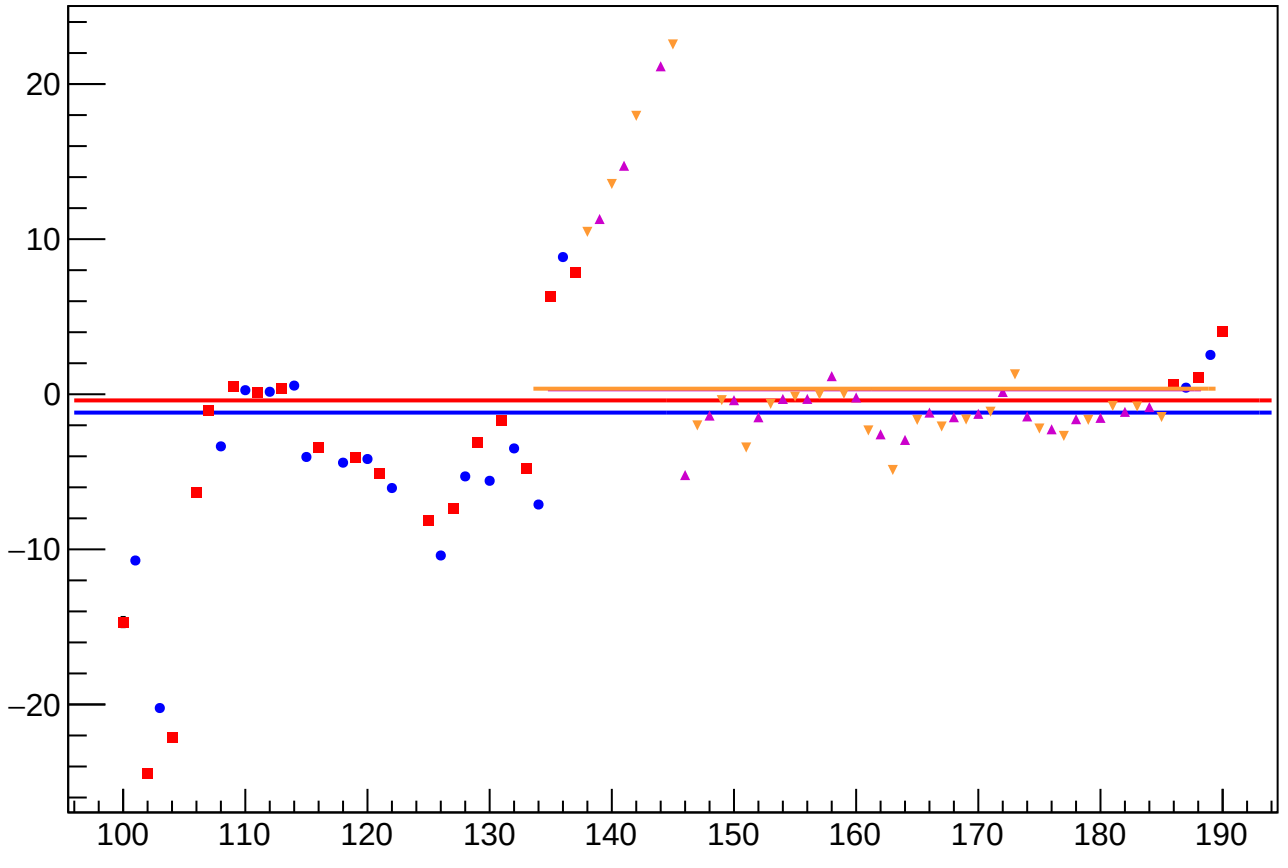
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: -0.140+/-0.003 χ^2/NDF: 33786.1/38

In: -0.073+/-0.001 χ^2/NDF:21115.1/40

Out: -0.058+/-0.001 χ^2/NDF:22871.2/44

All: -0.066+/-0.001 χ^2/NDF: 44042.5/85



Right In: -1.183+/-0.018 χ^2/NDF: 76569.6/17

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.397+/-0.014 χ^2/NDF: 82005.8/20

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

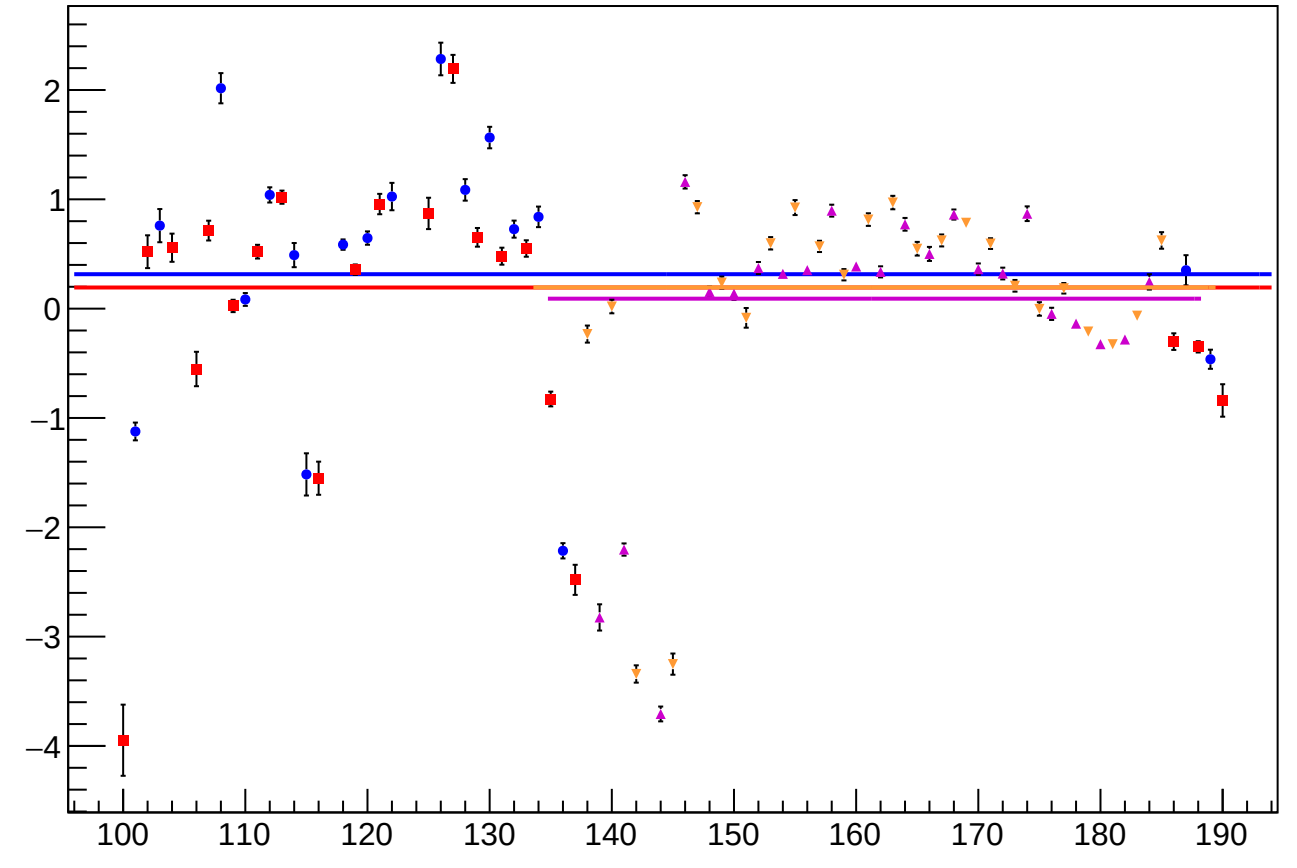
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.700+/-0.011 χ^2/NDF: 159771.6/38

In: -0.237+/-0.011 χ^2/NDF:211263.0/40

Out: -0.012+/-0.010 χ^2/NDF:212294.1/44

All: -0.115+/-0.007 χ^2/NDF: 423791.8/85



Right In: 0.315+/-0.020 χ^2/NDF: 2626.3/17

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.193+/-0.018 χ^2/NDF: 1803.9/20

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

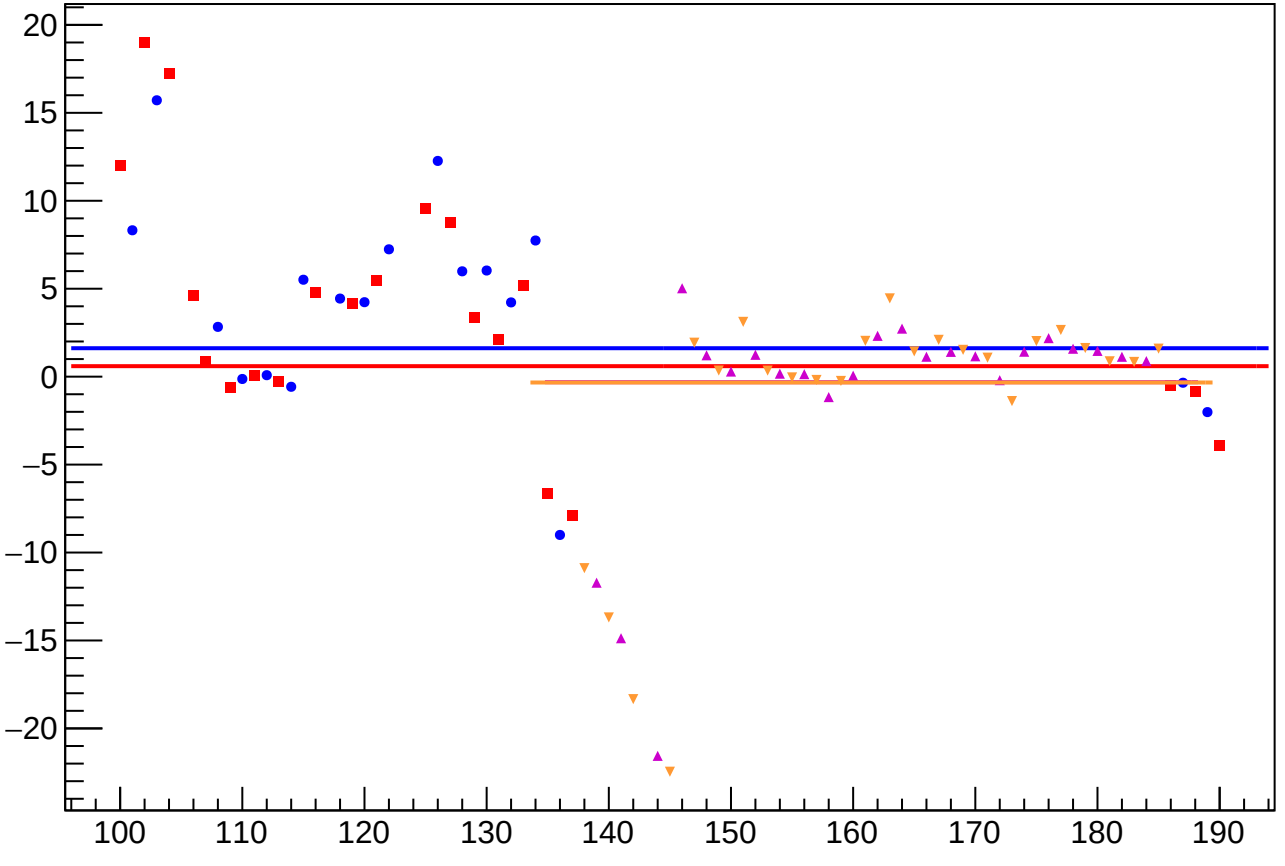
Right: 0.248+/-0.013 χ^2/NDF: 4451.1/38

In: 0.142+/-0.009 χ^2/NDF:9661.3/40

Out: 0.194+/-0.010 χ^2/NDF:6448.9/44

All: 0.168+/-0.007 χ^2/NDF: 16125.3/85

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.617+/-0.020 χ^2/NDF: 73749.0/17

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.597+/-0.016 χ^2/NDF: 79893.4/20

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

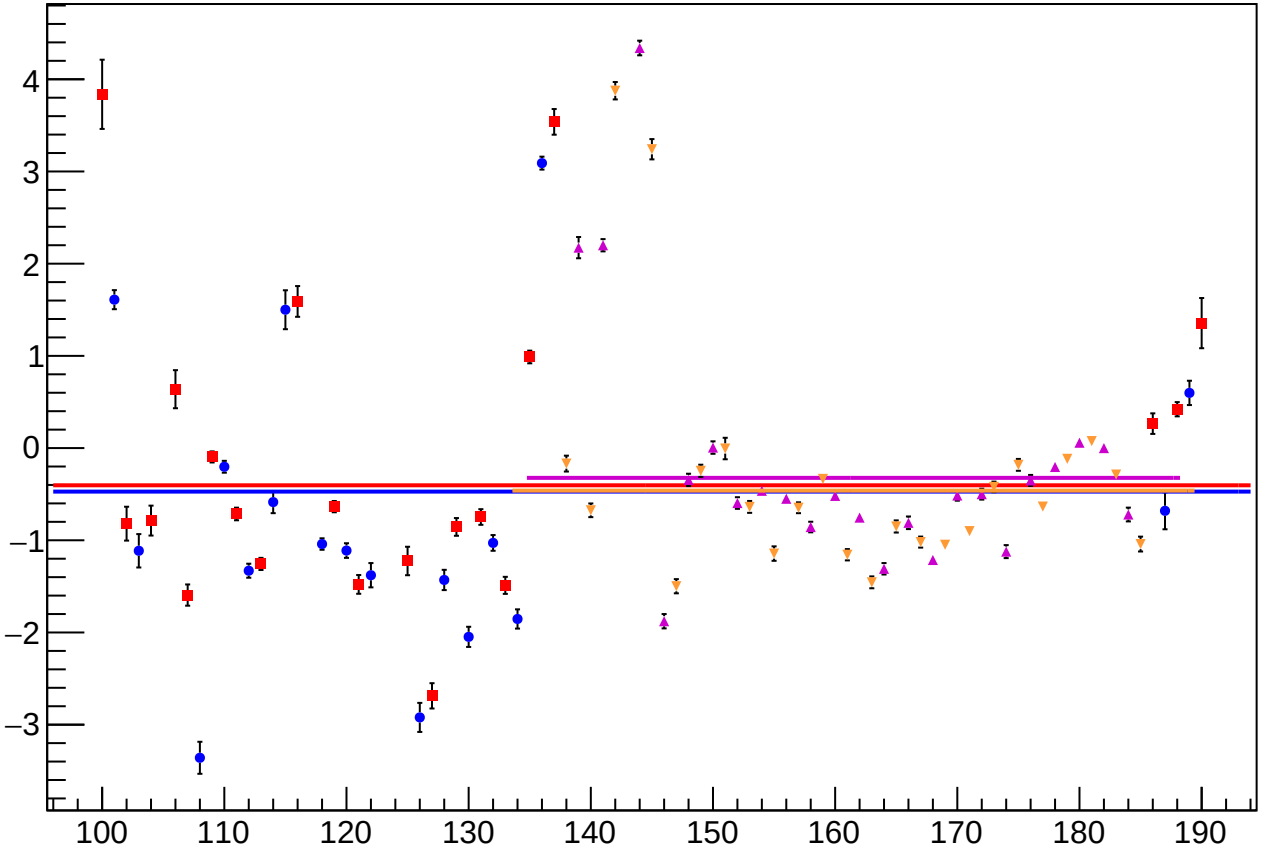
Right: 0.978+/-0.012 χ^2/NDF: 155242.7/38

In: 0.280+/-0.011 χ^2/NDF:207085.2/40

Out: 0.077+/-0.010 χ^2/NDF:206107.9/44

All: 0.171+/-0.008 χ^2/NDF: 413369.9/85

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.472+/-0.023 χ^2/NDF: 4516.0/17

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.404+/-0.021 χ^2/NDF: 2639.0/20

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

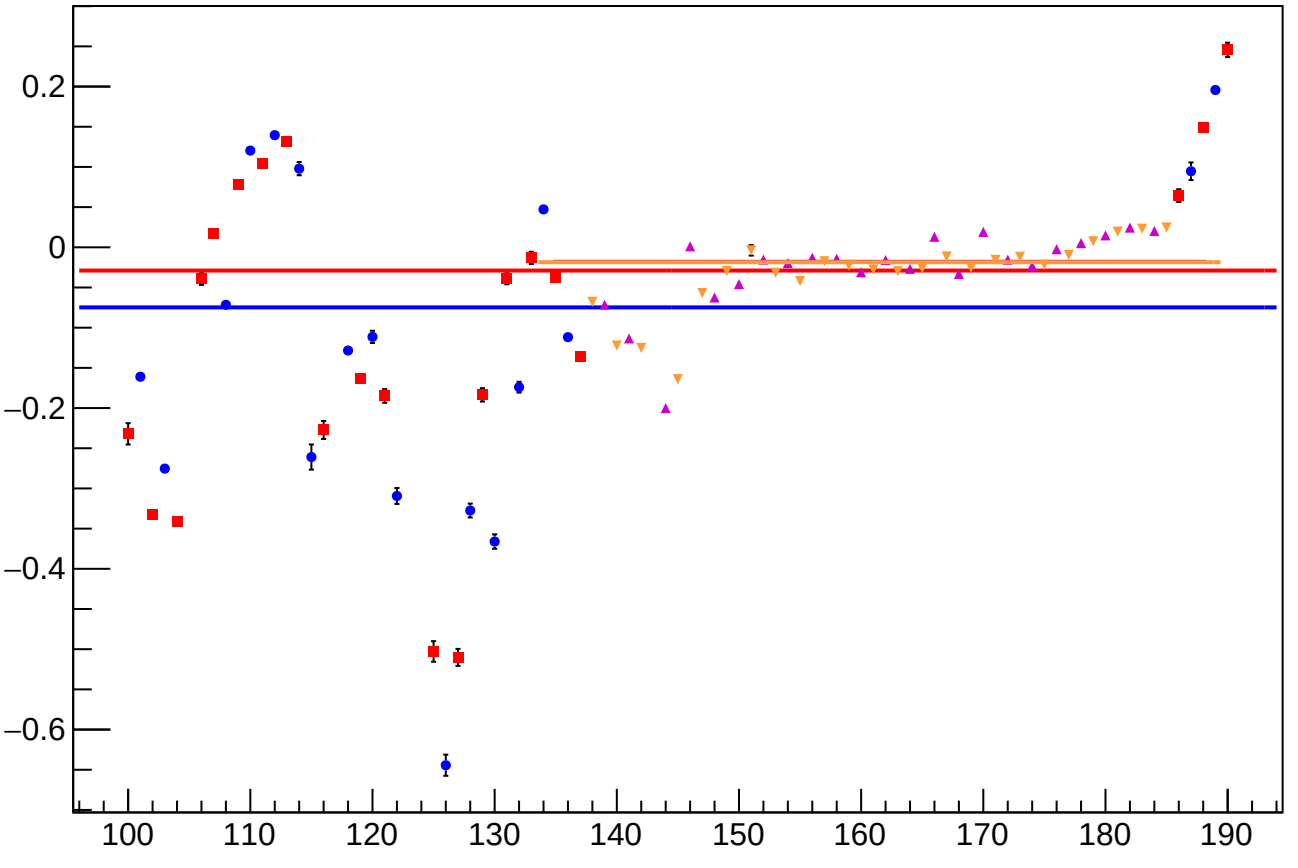
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.434+/-0.016 χ^2/NDF: 7159.8/38

In: -0.354+/-0.011 χ^2/NDF:11430.5/40

Out: -0.446+/-0.011 χ^2/NDF:7224.6/44

All: -0.400+/-0.008 χ^2/NDF: 18692.4/85



Right In: -0.075+/-0.001 χ^2/NDF: 14272.1/17

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: -0.029+/-0.001 χ^2/NDF: 17964.3/20

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

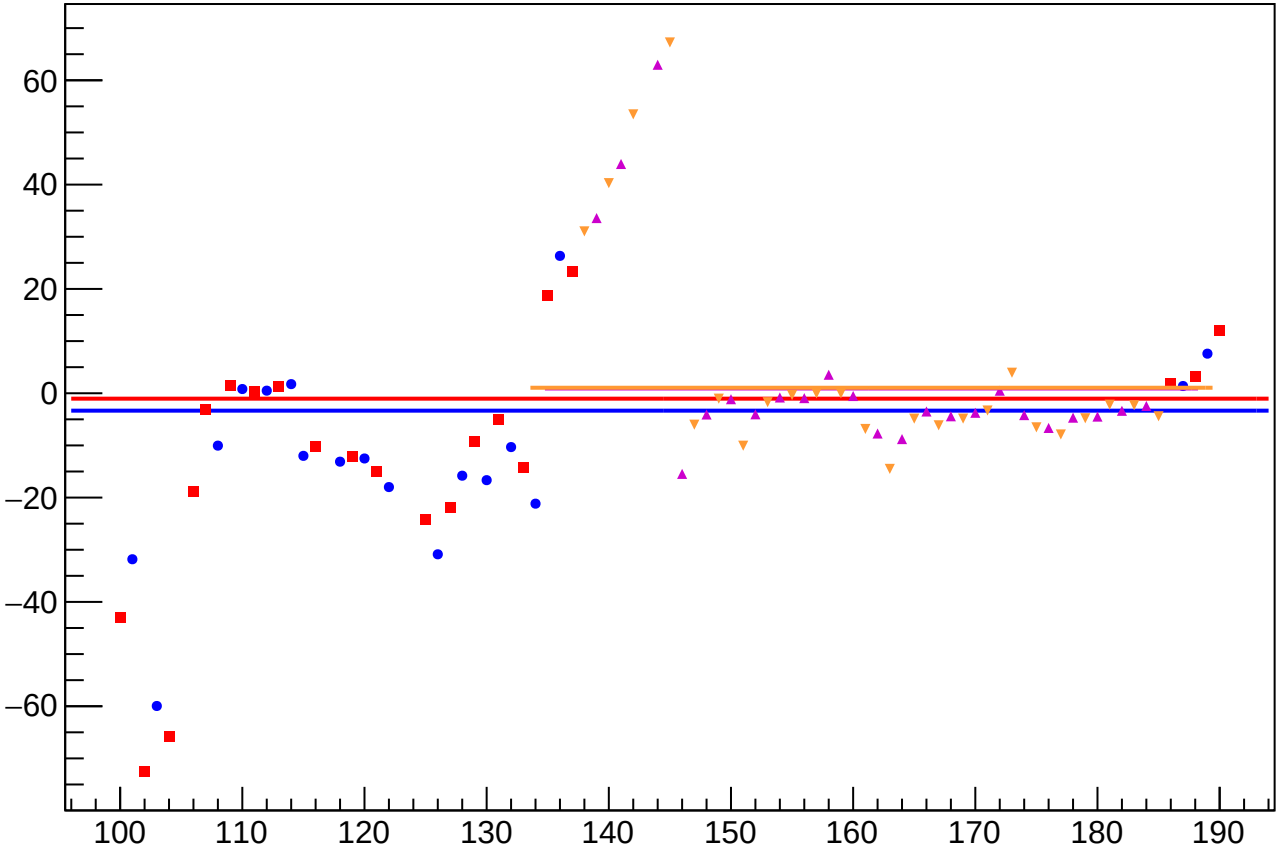
Right: -0.049+/-0.001 χ^2/NDF: 32866.0/38

In: -0.025+/-0.000 χ^2/NDF:20667.3/40

Out: -0.020+/-0.000 χ^2/NDF:22252.4/44

All: -0.023+/-0.000 χ^2/NDF: 42966.7/85

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.336+/-0.052 χ^2/NDF: 78225.4/17

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: -1.035+/-0.041 χ^2/NDF: 83542.3/20

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

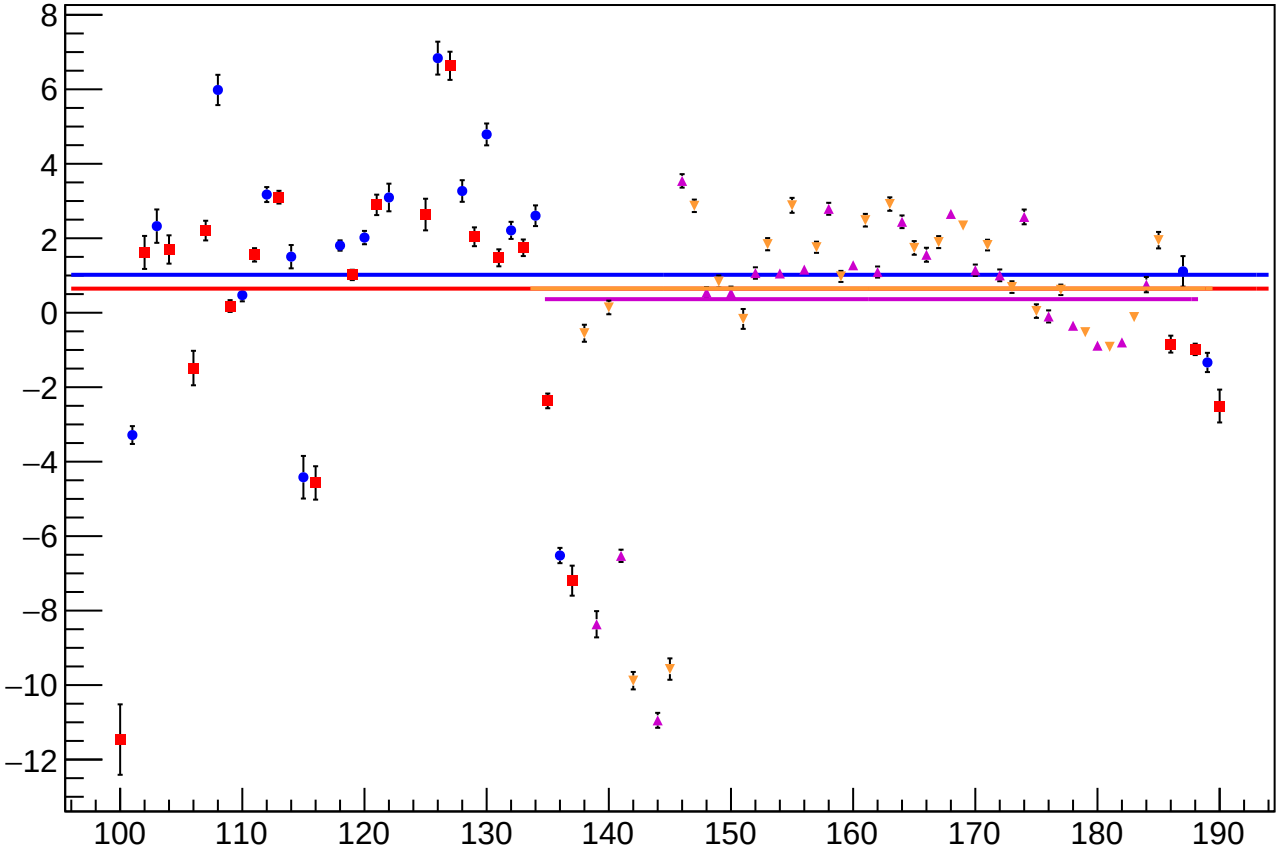
Right: -1.916+/-0.032 χ^2/NDF: 162985.0/38

In: -0.662+/-0.032 χ^2/NDF:215278.2/40

Out: 0.017+/-0.029 χ^2/NDF:215877.8/44

All: -0.291+/-0.021 χ^2/NDF: 431409.2/85

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.019+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.647+/-0.052 χ^2/NDF: 1841.2/20

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

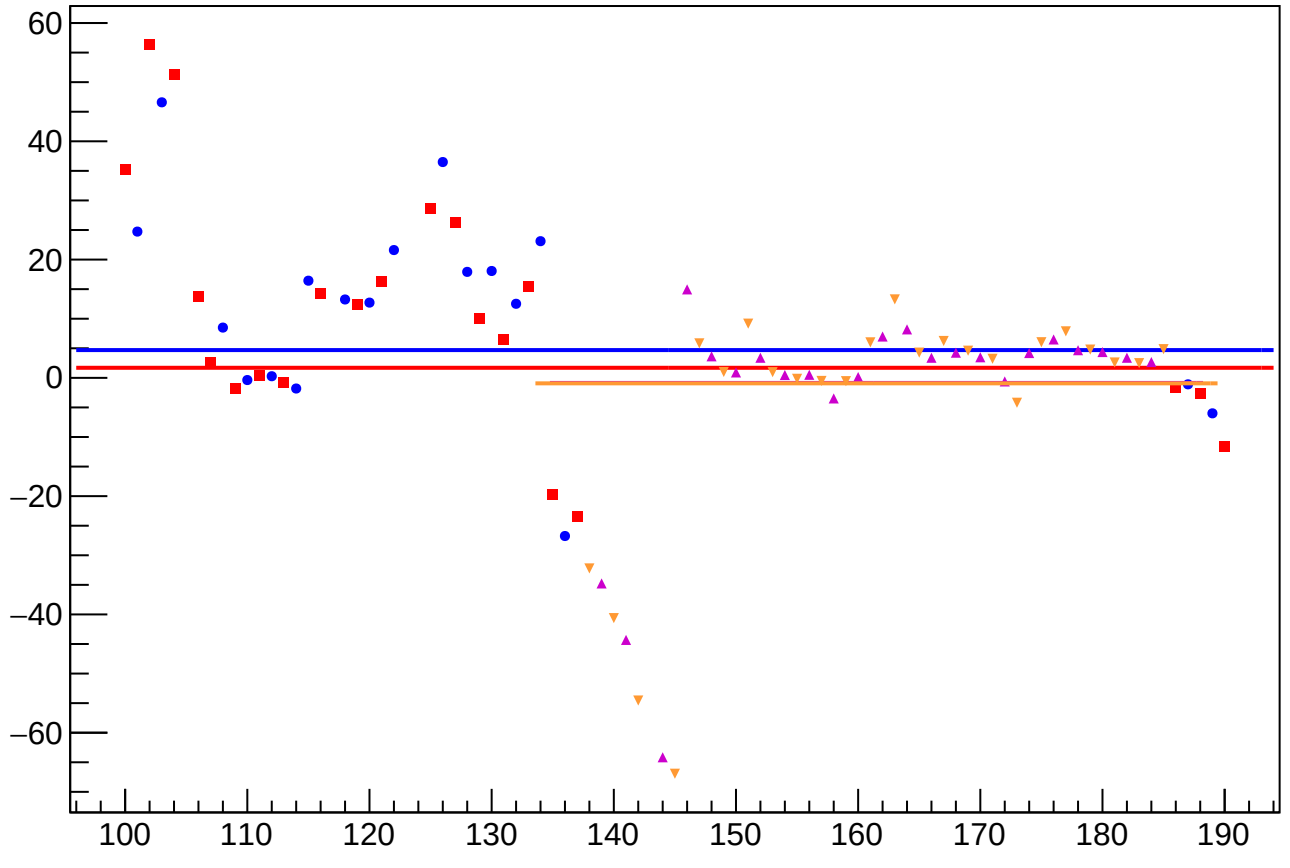
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.812+/-0.039 χ^2/NDF: 4546.7/38

In: 0.512+/-0.028 χ^2/NDF:9903.8/40

Out: 0.650+/-0.028 χ^2/NDF:6550.0/44

All: 0.580+/-0.020 χ^2/NDF: 16466.2/85



Right In: 4.697+/-0.059 χ^2/NDF: 75319.6/17

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 1.704+/-0.046 χ^2/NDF: 81344.0/20

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

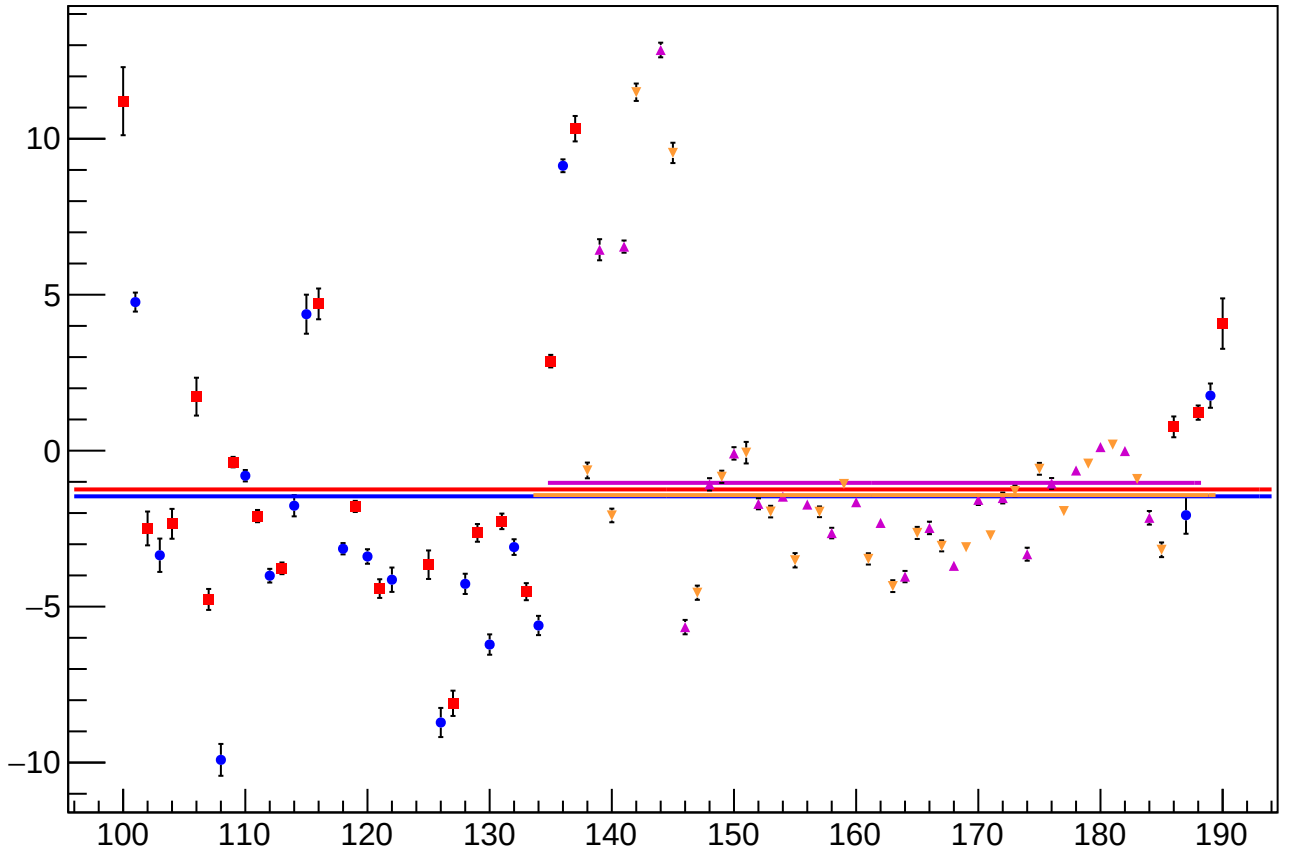
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: 2.823+/-0.036 χ^2/NDF: 158274.7/38

In: 0.843+/-0.033 χ^2/NDF:210958.5/40

Out: 0.233+/-0.030 χ^2/NDF:209565.6/44

All: 0.515+/-0.022 χ^2/NDF: 420711.7/85



Right In: -1.464+/-0.068 χ^2/NDF: 4614.8/17

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -1.243+/-0.061 χ^2/NDF: 2687.1/20

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

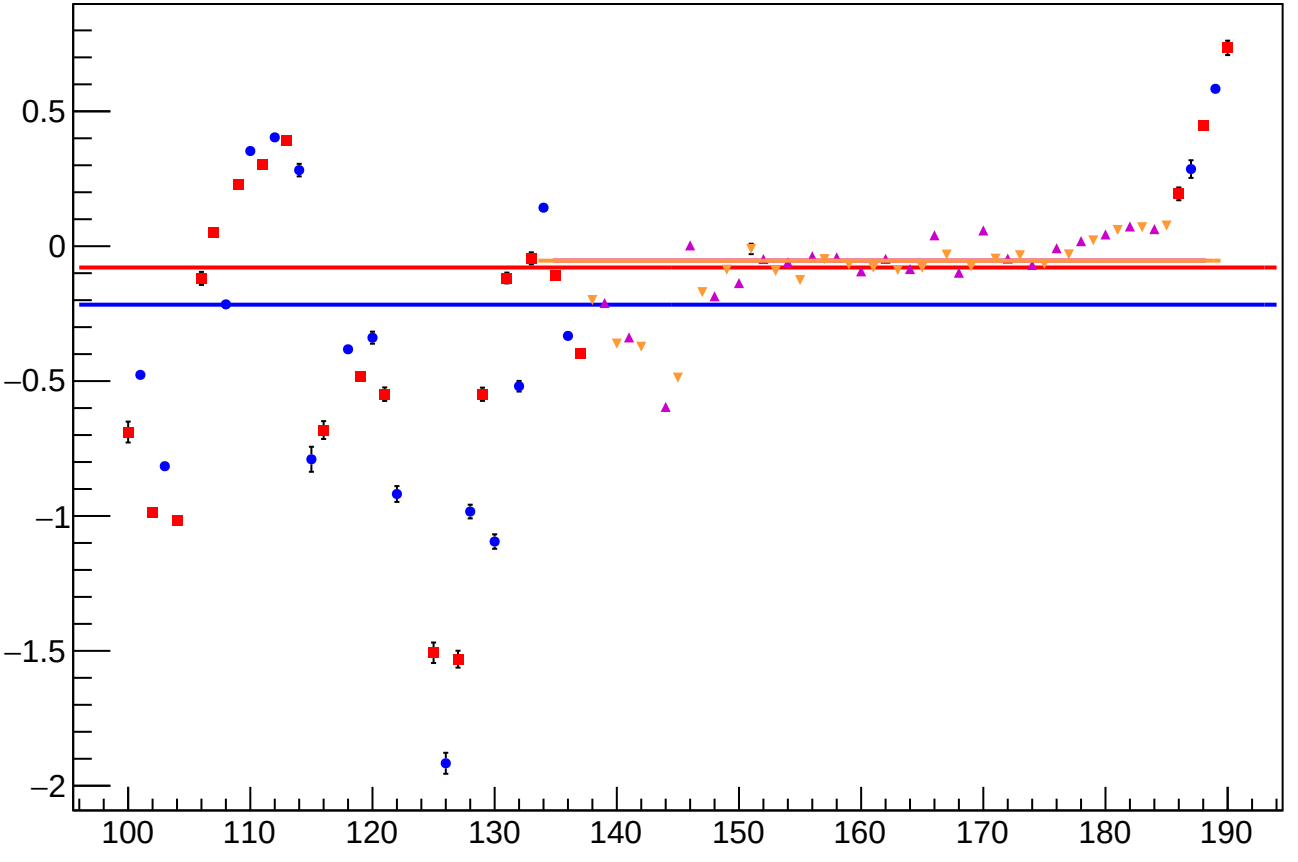
Right: -1.342+/-0.045 χ^2/NDF: 7307.8/38

In: -1.122+/-0.031 χ^2/NDF:11698.4/40

Out: -1.376+/-0.031 χ^2/NDF:7333.2/44

All: -1.247+/-0.022 χ^2/NDF: 19065.0/85

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.217+/-0.004 χ^2/NDF: 14631.2/17

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: -0.079+/-0.004 χ^2/NDF: 18498.8/20

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

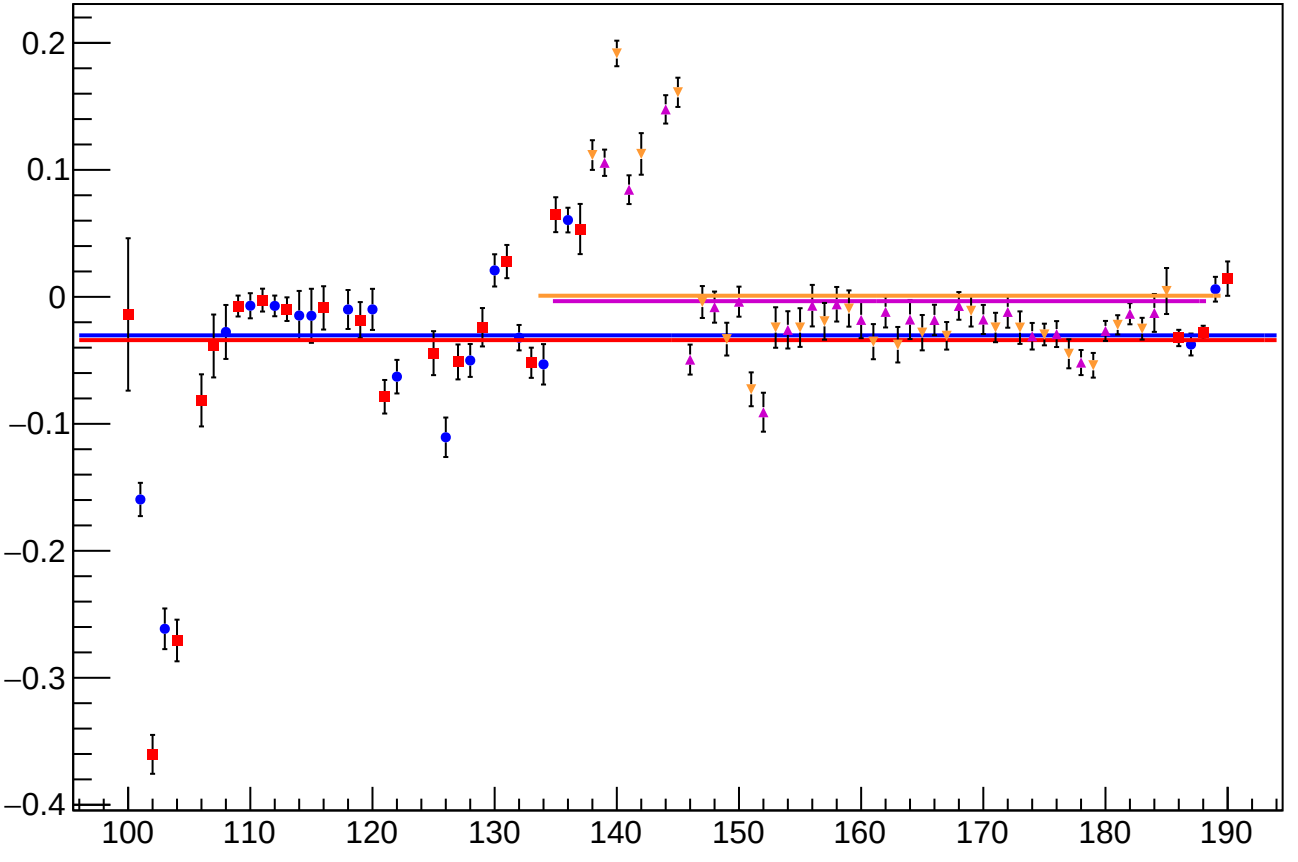
Right: -0.139+/-0.003 χ^2/NDF: 33797.7/38

In: -0.073+/-0.001 χ^2/NDF:21118.2/40

Out: -0.058+/-0.001 χ^2/NDF:22882.7/44

All: -0.066+/-0.001 χ^2/NDF: 44057.9/85

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.030+/-0.003 χ^2/NDF: 479.0/17

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.034+/-0.002 χ^2/NDF: 824.2/20

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

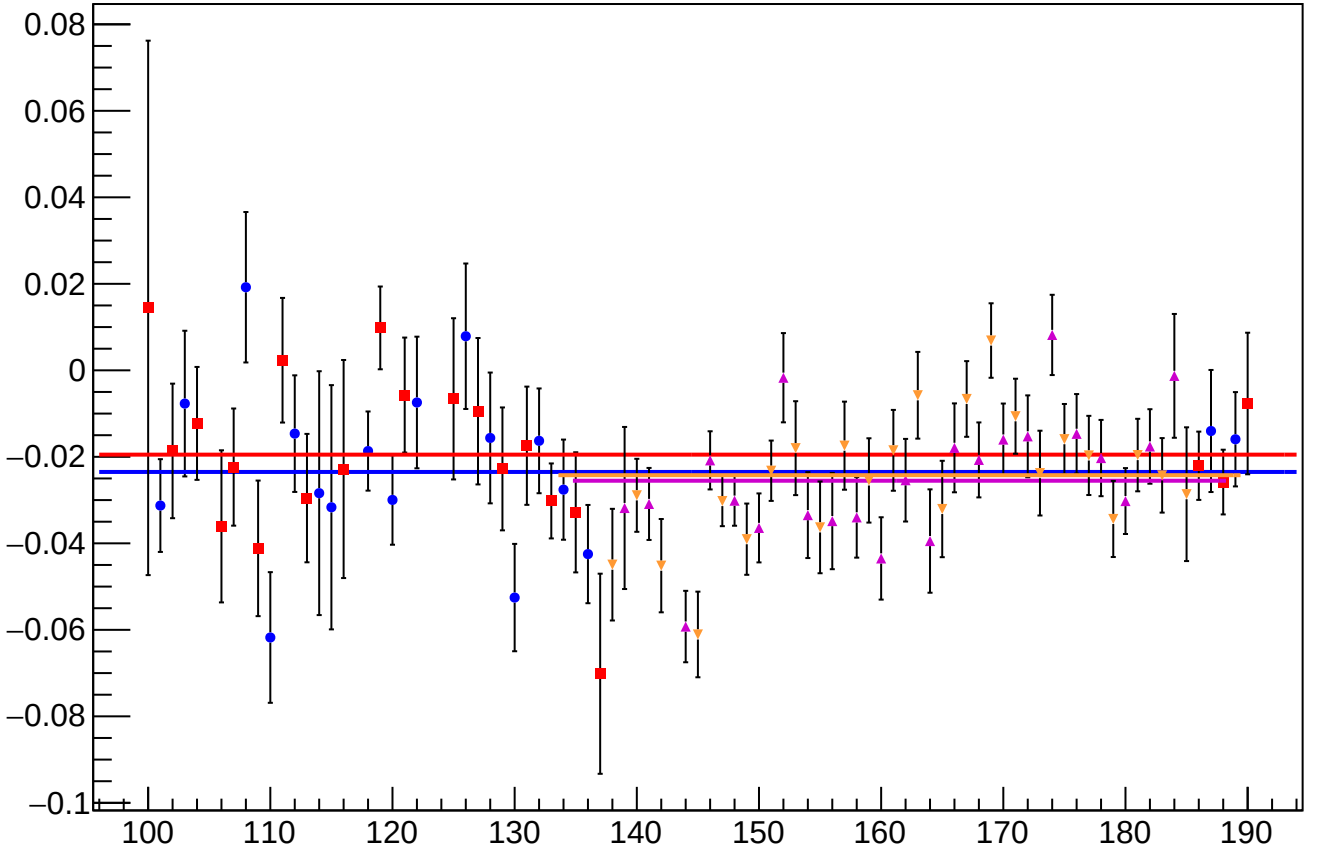
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.032+/-0.002 χ^2/NDF: 1304.2/38

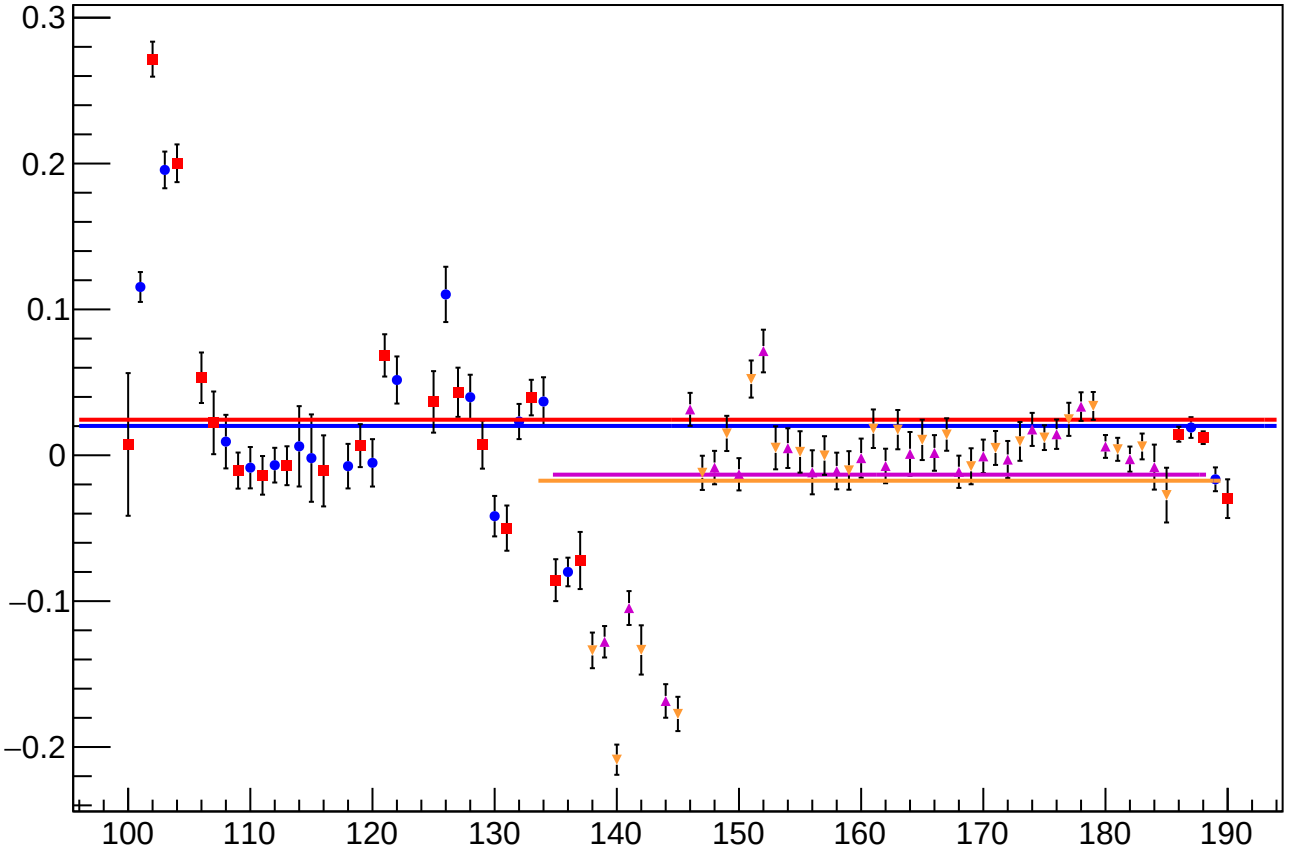
In: -0.014+/-0.002 χ^2/NDF:988.4/40

Out: -0.016+/-0.002 χ^2/NDF:1777.0/44

All: -0.015+/-0.001 χ^2/NDF: 2765.8/85


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
110
120
130
140
150
160
170
180
190
Right In: -0.023+/-0.003 χ²/NDF: 29.6/17
Left Out: -0.024+/-0.002 χ²/NDF:53.7/23
Right Out: -0.019+/-0.003 χ²/NDF: 26.2/20
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: 56.7/38
In: -0.025+/-0.002 χ²/NDF:84.9/40
Out: -0.023+/-0.002 χ²/NDF:81.9/44
All: -0.024+/-0.001 χ²/NDF: 167.8/85

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020+/-0.003 χ^2/NDF: 470.3/17

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.024+/-0.002 χ^2/NDF: 785.3/20

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

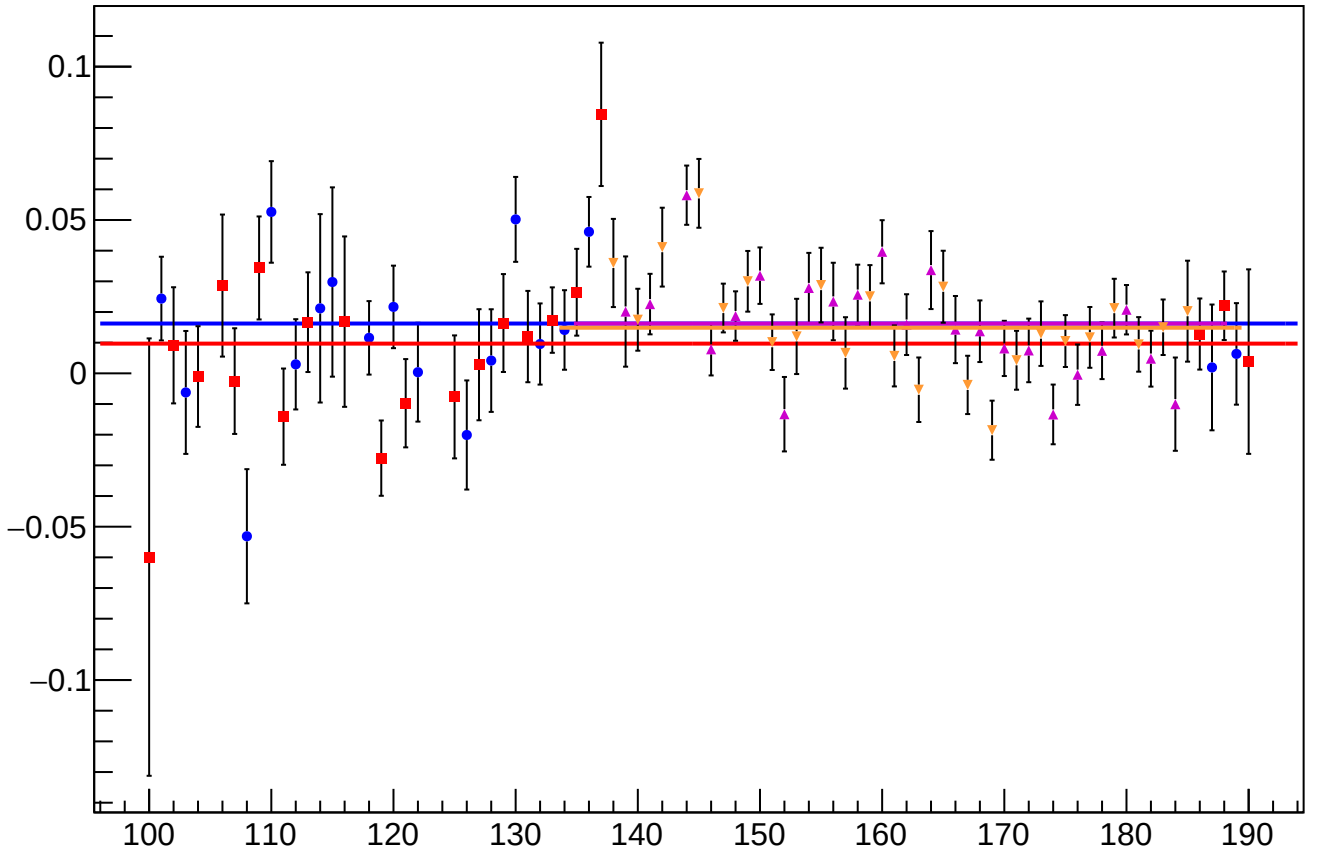
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.023+/-0.002 χ^2/NDF: 1256.9/38

In: -0.000+/-0.002 χ^2/NDF:1005.8/40

Out: 0.003+/-0.002 χ^2/NDF:1749.8/44

All: 0.002+/-0.001 χ^2/NDF: 2757.5/85



Right In: 0.016+/-0.004 χ^2/NDF: 37.6/17

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.010+/-0.003 χ^2/NDF: 32.9/20

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

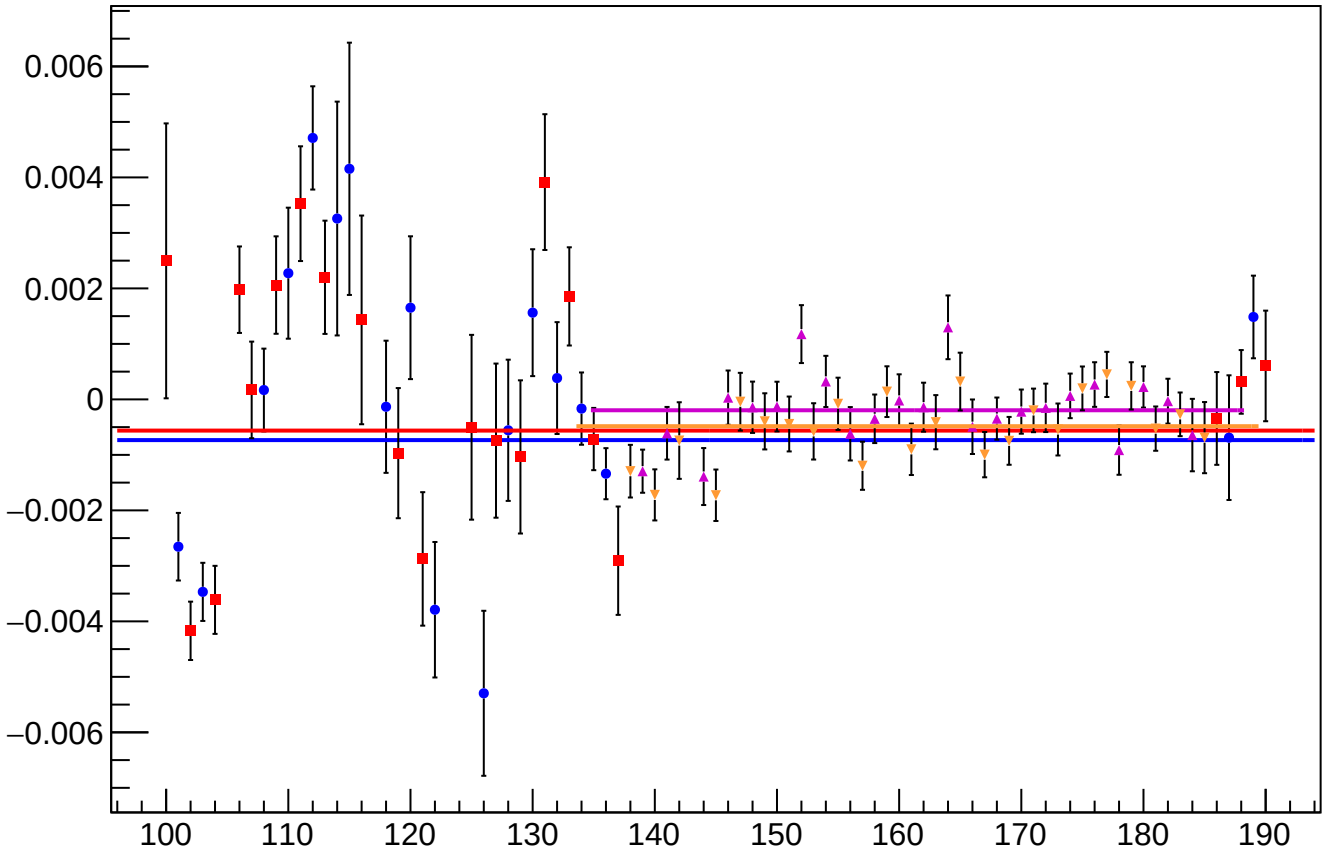
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.013+/-0.003 χ^2/NDF: 72.2/38

In: 0.016+/-0.002 χ^2/NDF:95.6/40

Out: 0.014+/-0.002 χ^2/NDF:86.6/44

All: 0.015+/-0.001 χ^2/NDF: 183.3/85



Right In: -0.001+/-0.000 χ^2/NDF: 123.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 152.1/20

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

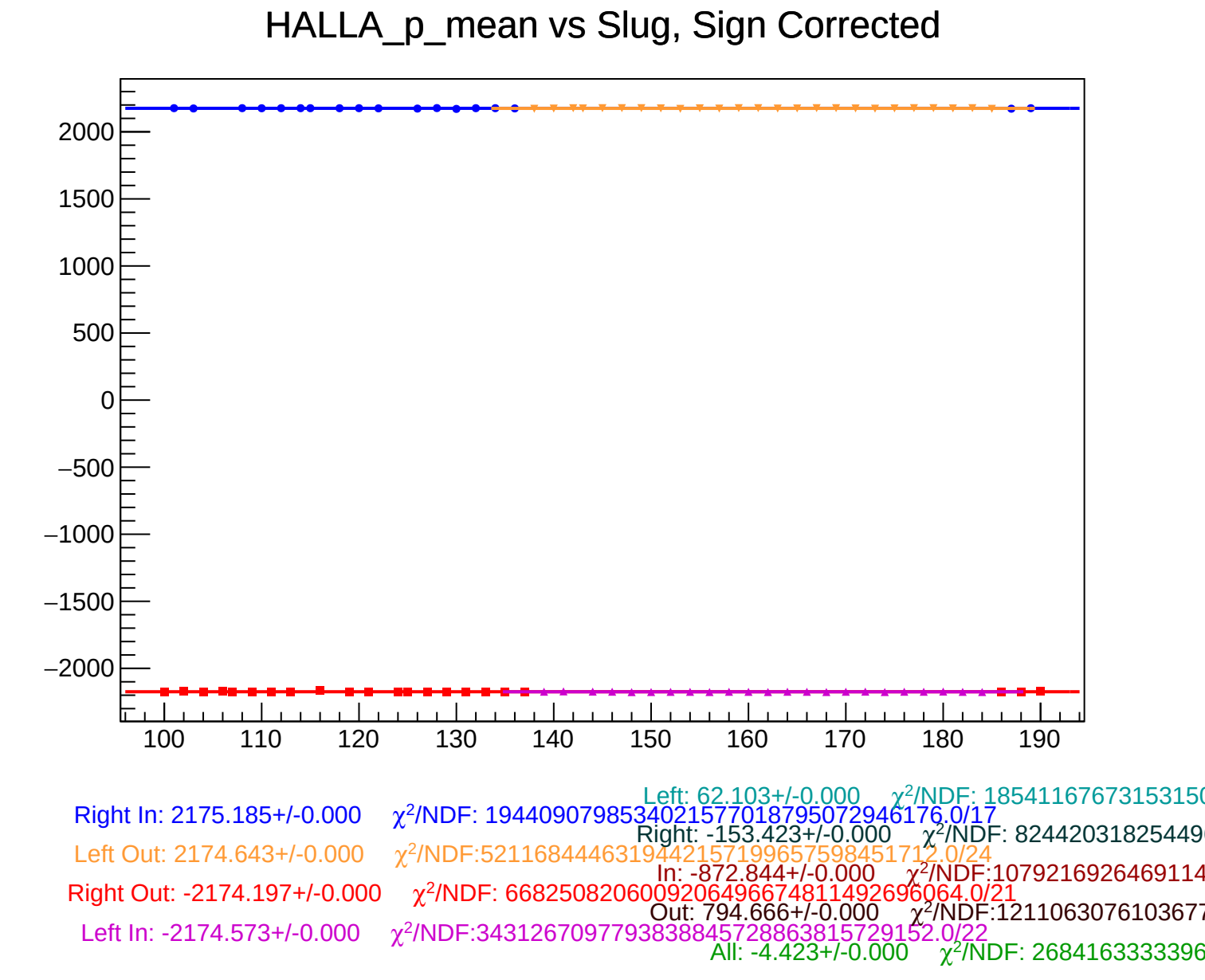
Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

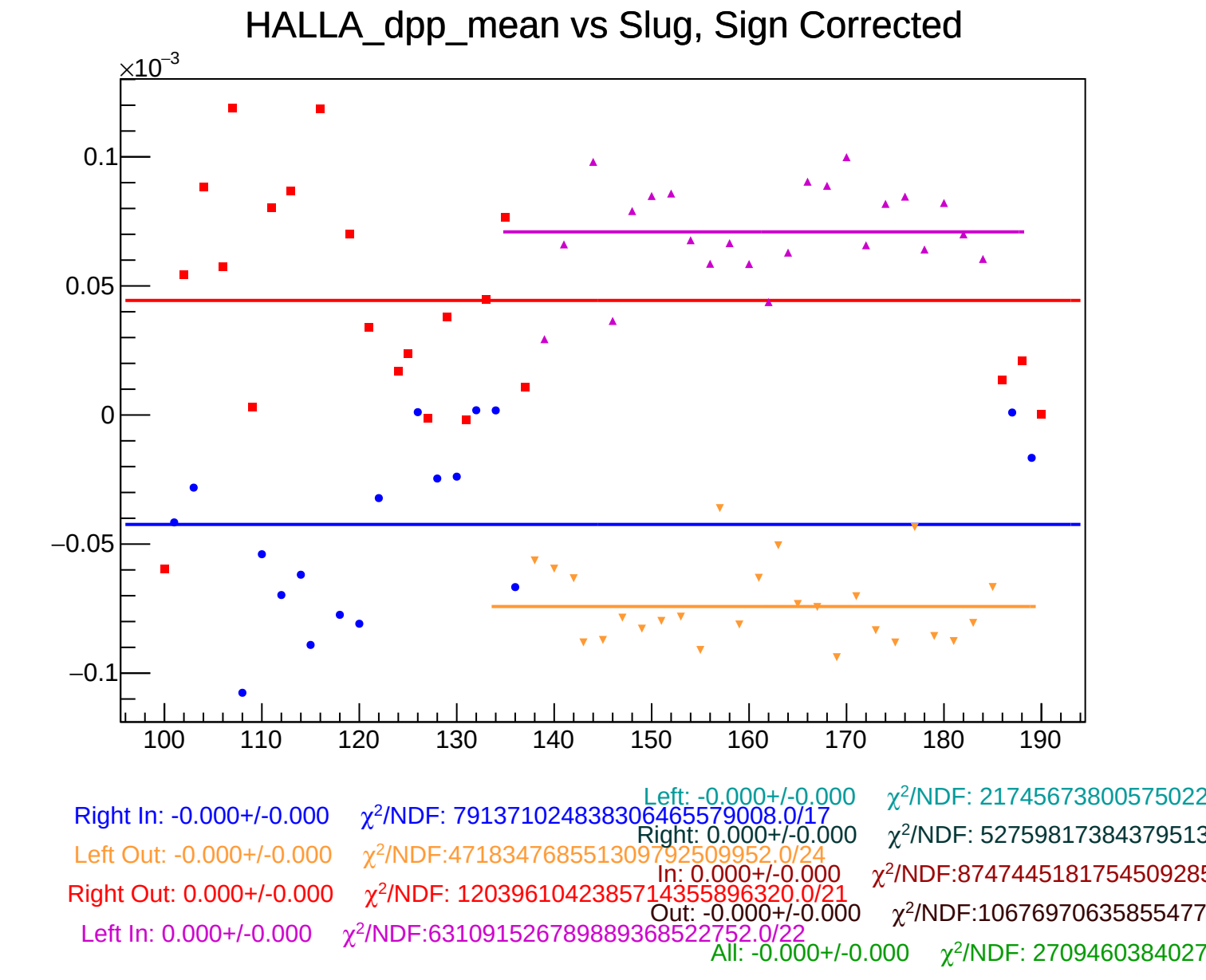
Right: -0.001+/-0.000 χ^2/NDF: 276.2/38

In: -0.000+/-0.000 χ^2/NDF:166.8/40

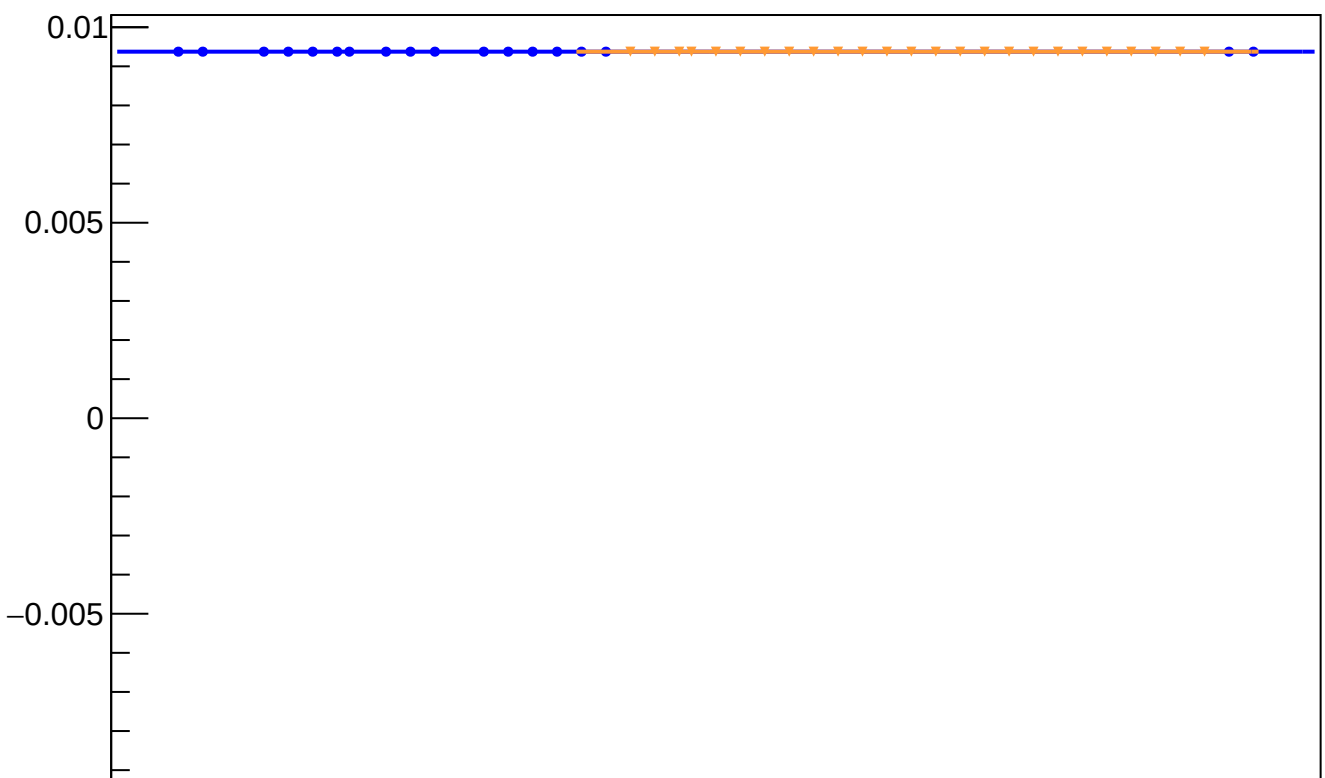
Out: -0.000+/-0.000 χ^2/NDF:193.1/44

All: -0.000+/-0.000 χ^2/NDF: 362.9/85


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 2175.185+/-0.000 χ²/NDF: 19440907985340215770187950729461760/17
Left Out: 2174.643+/-0.000 χ²/NDF:52116844463194421571996575984517120/24
Right Out: -2174.197+/-0.000 χ²/NDF: 66825082060092064966748114926960640/21
Left In: -2174.573+/-0.000 χ²/NDF:34312670977938388457288638157291520/22
Left: 62.103+/-0.000 χ²/NDF: 18541167673153150
Right: -153.423+/-0.000 χ²/NDF: 824420318254490
In: -872.844+/-0.000 χ²/NDF:1079216926469114
Out: 794.666+/-0.000 χ²/NDF:1211063076103677
All: -4.423+/-0.000 χ²/NDF: 2684163333960


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 791371024838306465579008.0/17
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 120396104238571435589632 0.0/21
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: 52759817384379513
In: 0.000+/-0.000 χ²/NDF:8747445181754509285
Out: -0.000+/-0.000 χ²/NDF:10676970635855477
All: -0.000+/-0.000 χ²/NDF: 2709460384027

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/21

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

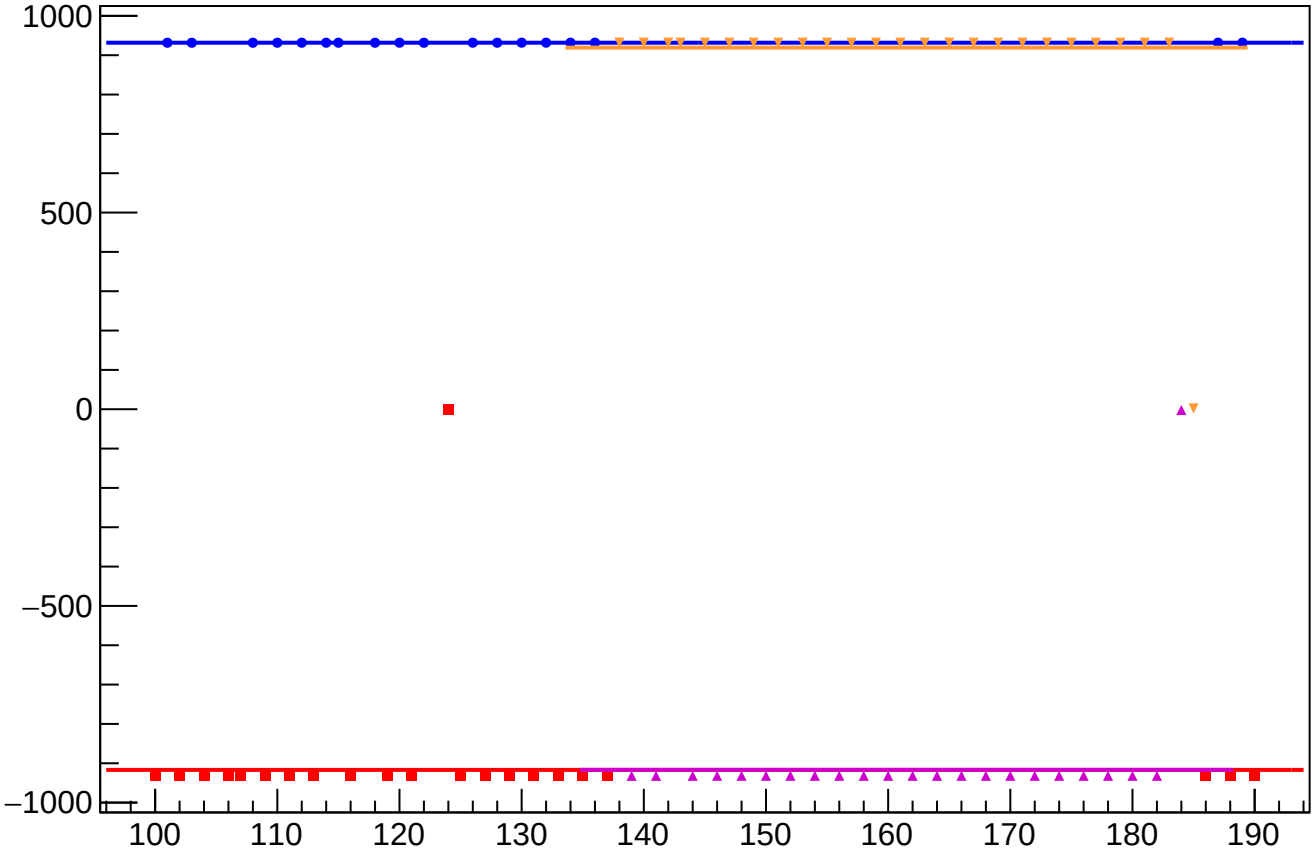
Right: -0.001+/-0.000 χ^2/NDF: 1532130244006848

In: -0.004+/-0.000 χ^2/NDF:20053073299632308

Out: 0.003+/-0.000 χ^2/NDF:225124164834234890

All: -0.000+/-0.000 χ^2/NDF: 4988649577167

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.776+/-0.000 χ^2/NDF: 31426712026435254942671768125440/17

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436480/24

Right Out: -916.879+/-0.000 χ^2/NDF: 12814064953809756513996226660906565632.0/21

Left In: -916.654+/-0.000 χ^2/NDF:26369744931183548073785664842185572352.0/22

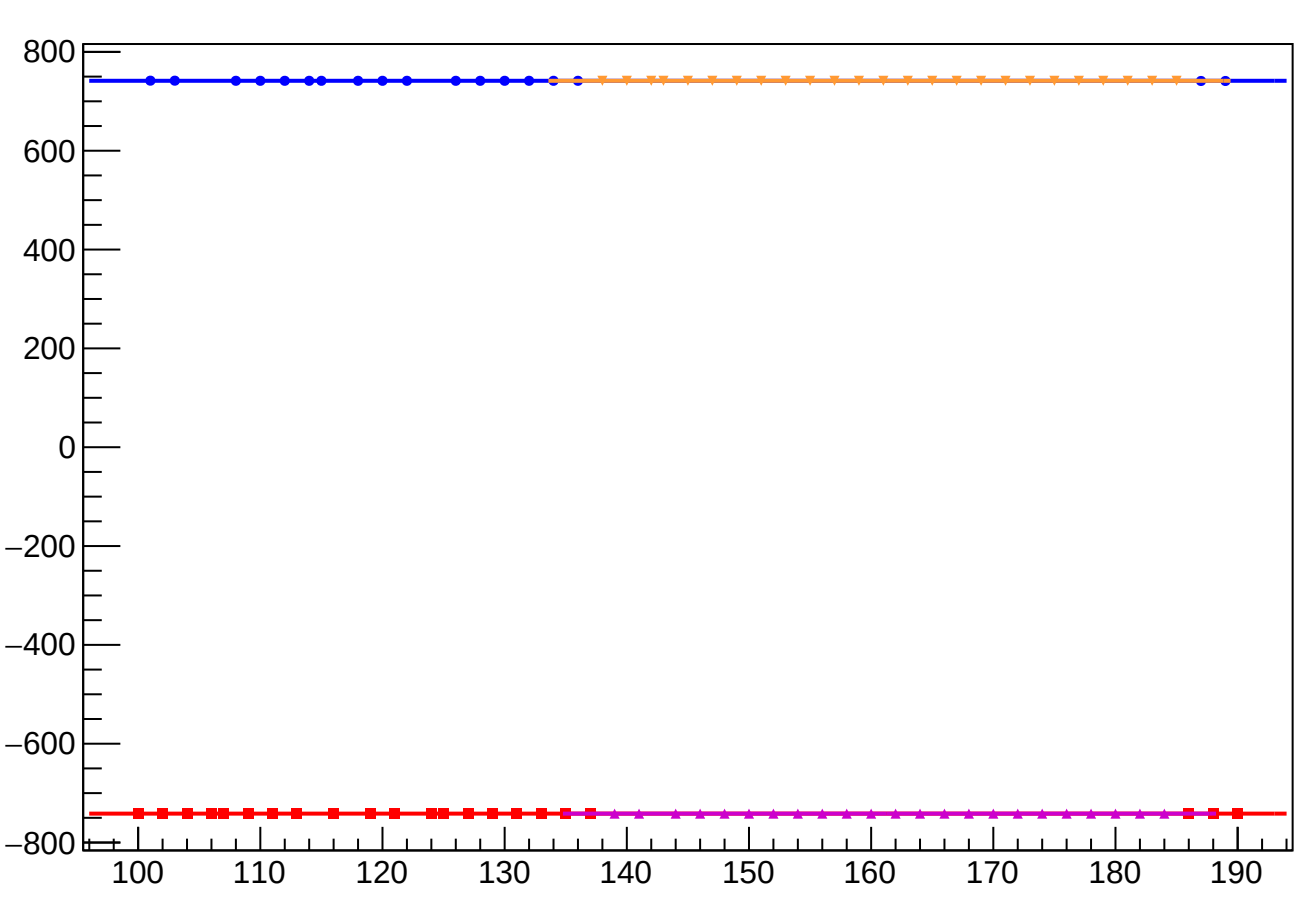
Left: 27.548+/-0.000 χ^2/NDF: 33535518082193632

Right: -57.972+/-0.000 χ^2/NDF: 150219249305093

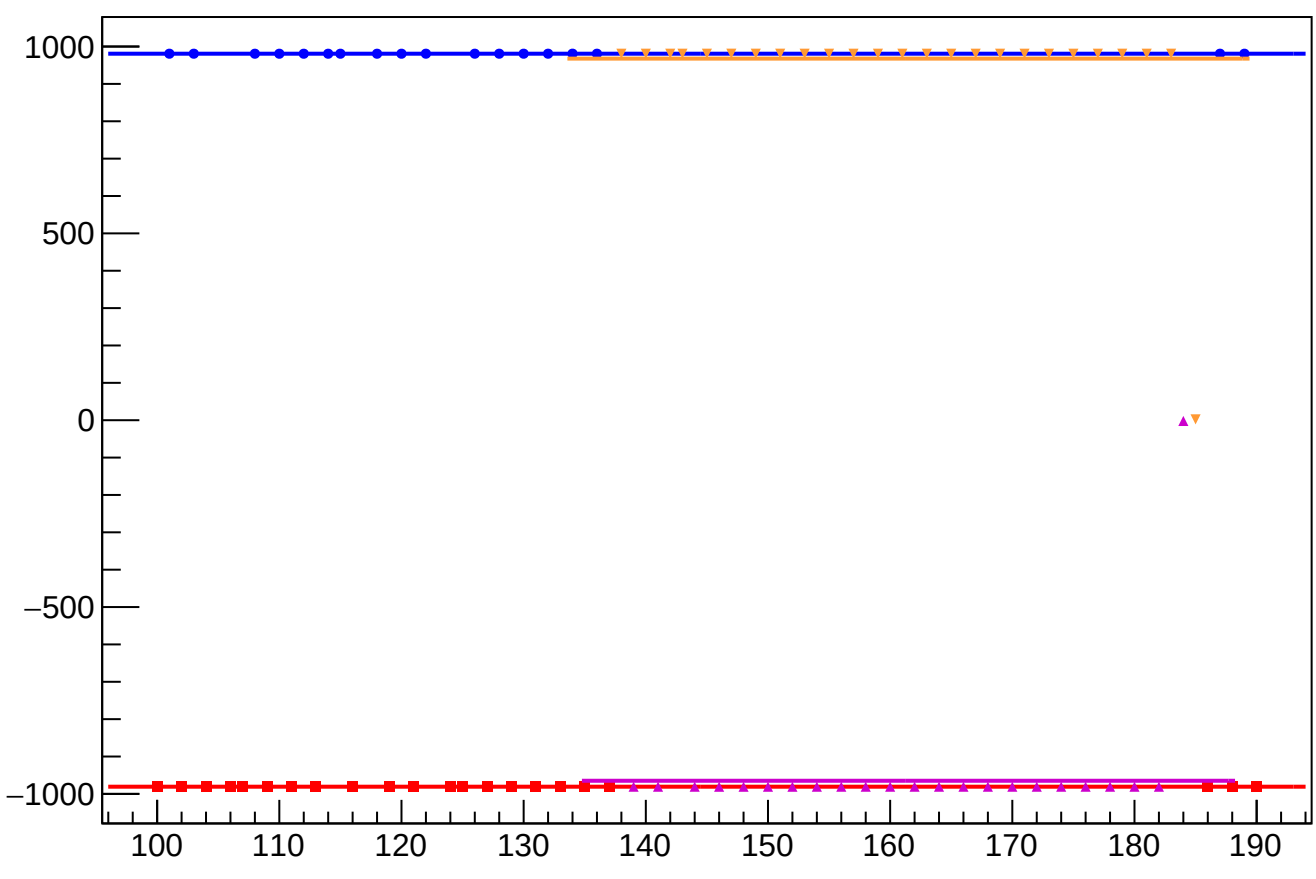
In: -363.484+/-0.000 χ^2/NDF:1975247029826136

Out: 336.675+/-0.000 χ^2/NDF:2194932622703122

All: 1.151+/-0.000 χ^2/NDF: 4864602853772


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Right In: 741.532+/-0.000 χ²/NDF: 173551007921441987047817729802240/17
Left Out: 741.513+/-0.000 χ²/NDF:25197631076812629623188960051 2.0/24
Right Out: -741.500+/-0.000 χ²/NDF: 319951152840501481246239657820160/21
Left In: -741.513+/-0.000 χ²/NDF:234703983030085423185895882752.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -52.465+/-0.000 χ²/NDF: 9585048357041925
In: -297.690+/-0.000 χ²/NDF:1254547483006720
Out: 270.922+/-0.000 χ²/NDF:1408345738869764
All: -1.563+/-0.000 χ²/NDF: 3120890398637

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9361004609292016273358543912960.0/17

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.758+/-0.000 χ^2/NDF: 6165854467529326569184690805145 6.0/21

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

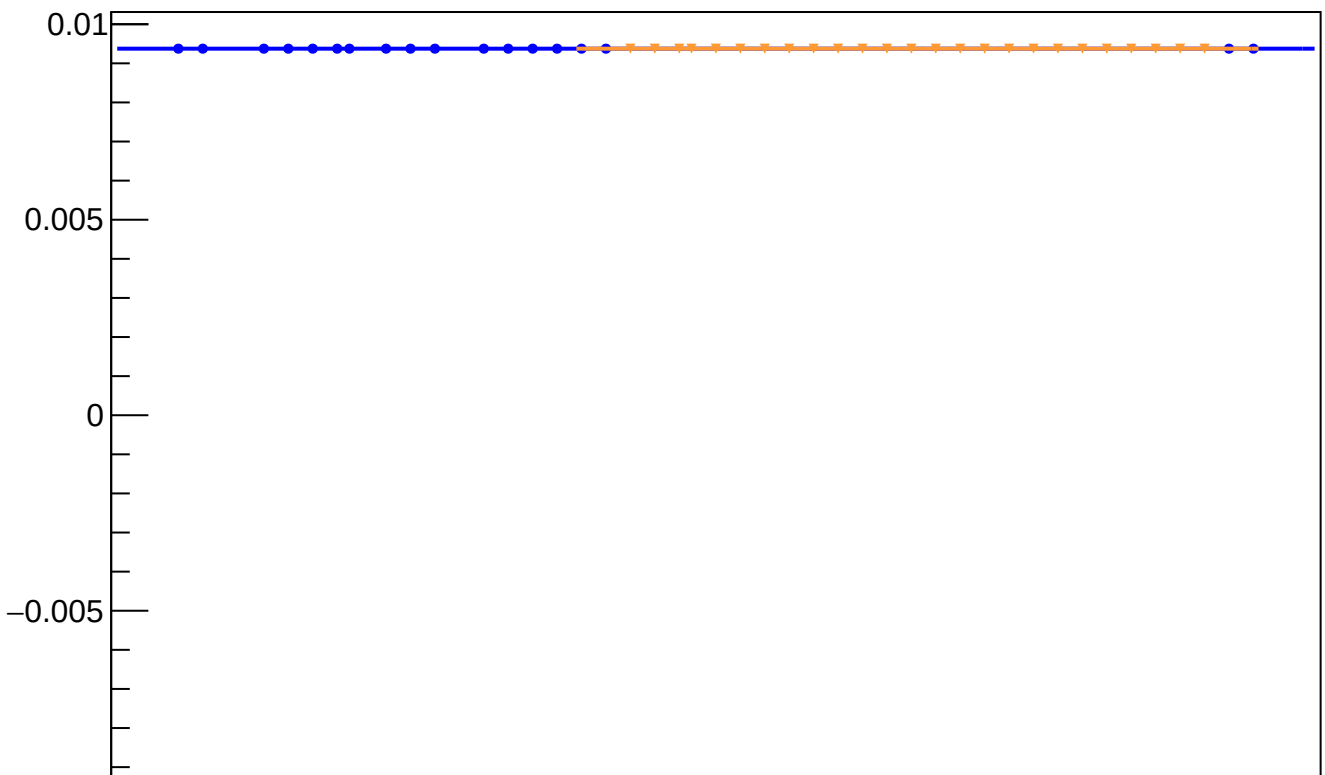
Right: -69.393+/-0.000 χ^2/NDF: 167686137333954

In: -382.587+/-0.000 χ^2/NDF:2188507376509300

Out: 349.398+/-0.000 χ^2/NDF:2456540834442445

All: -1.377+/-0.000 χ^2/NDF: 5404037536613

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/21

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

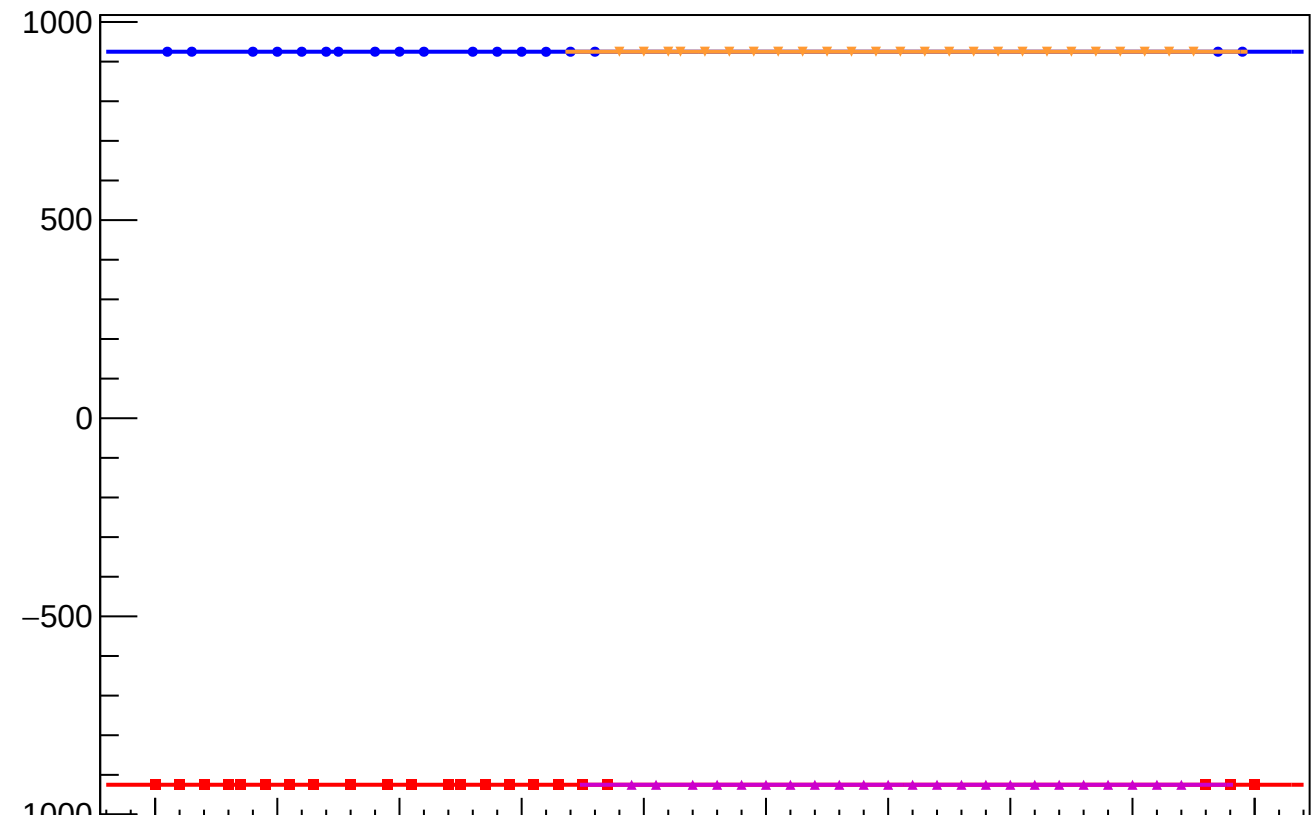
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

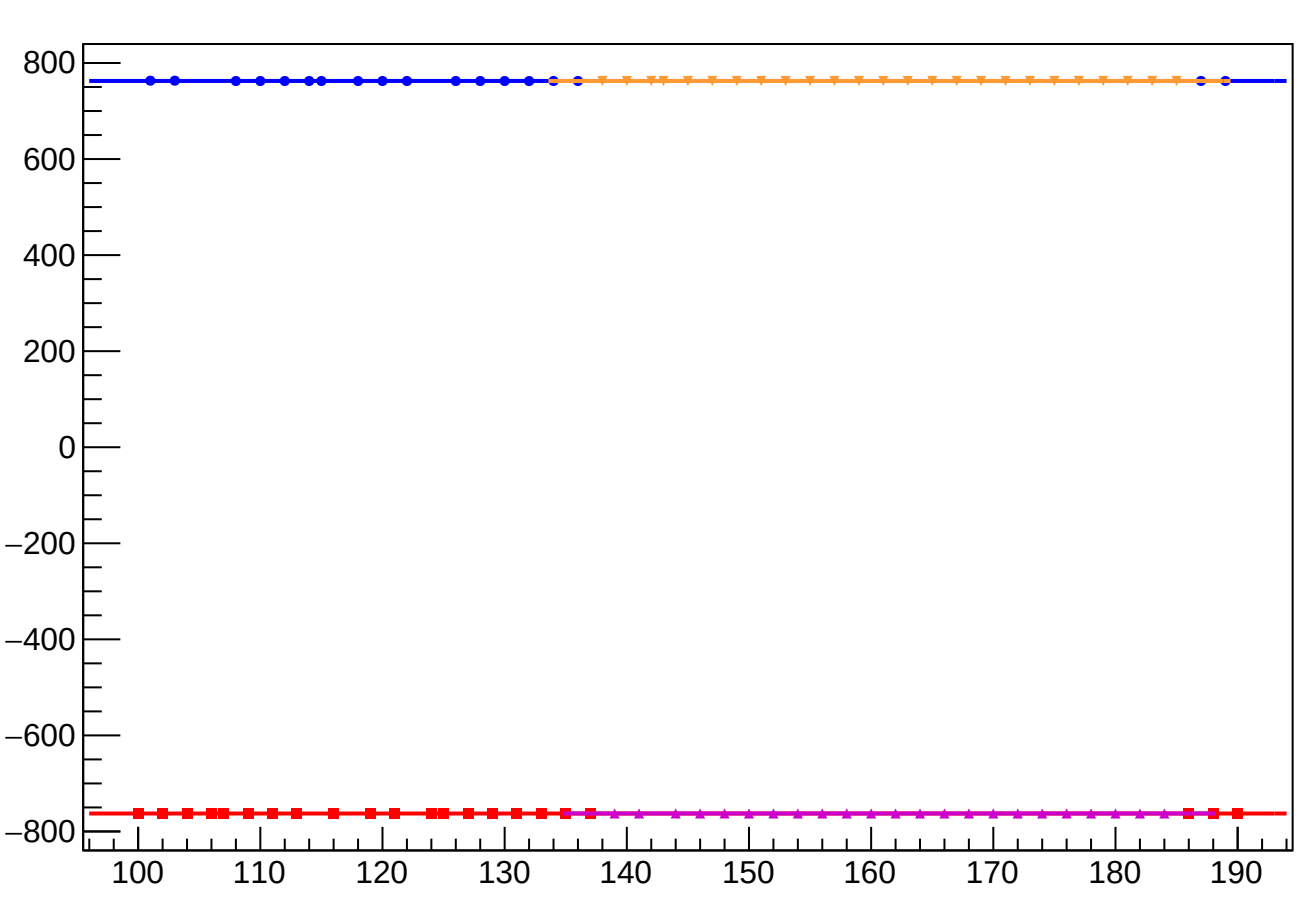
Right: -0.001+/-0.000 χ^2/NDF: 1532130244006848

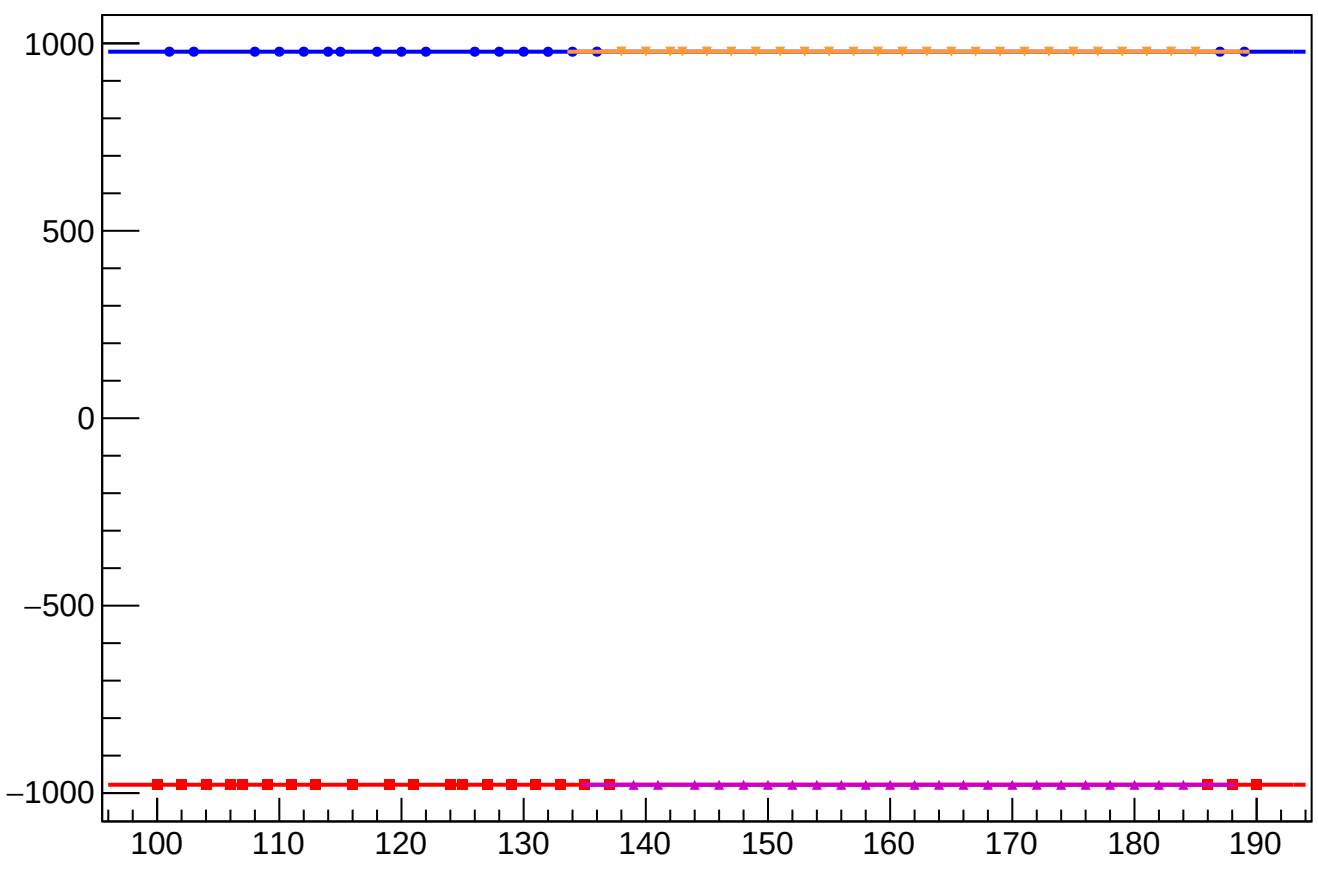
In: -0.004+/-0.000 χ^2/NDF:20053073299632308

Out: 0.003+/-0.000 χ^2/NDF:225124164834234890

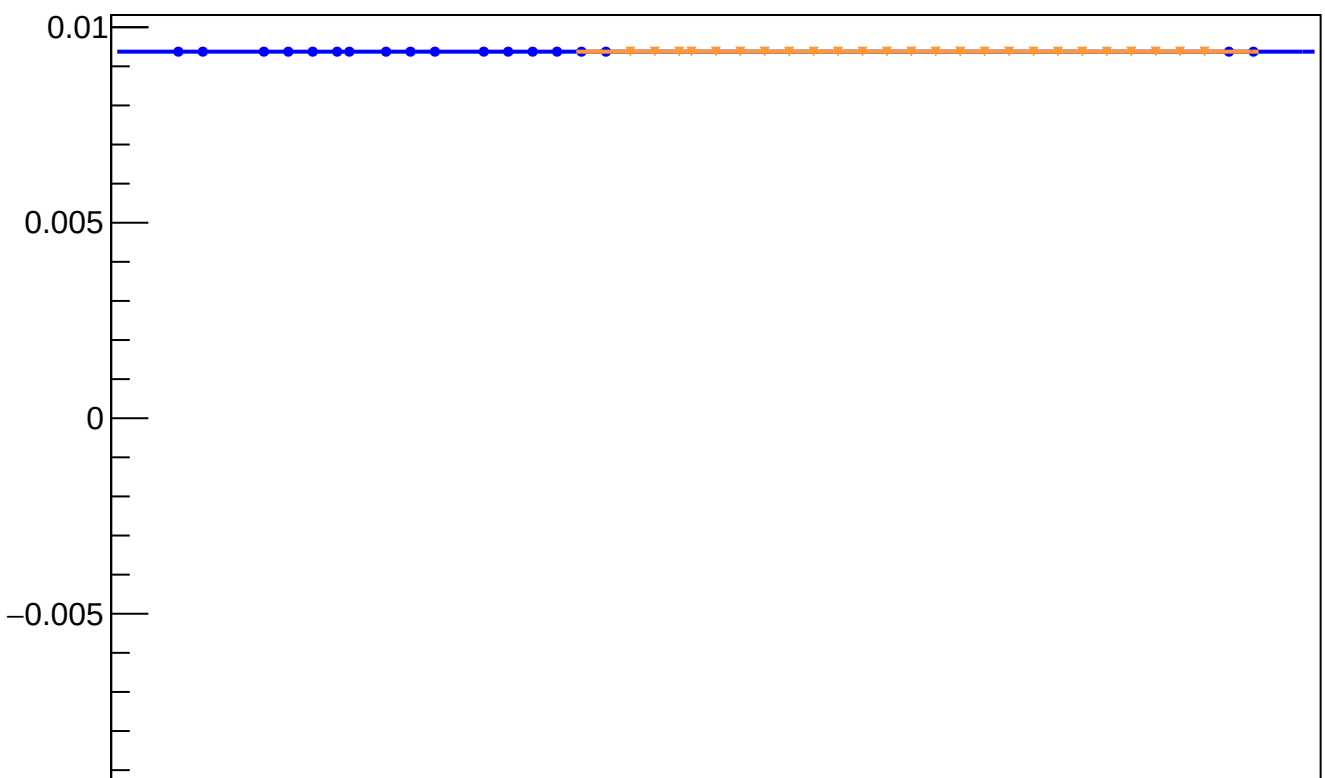
All: -0.000+/-0.000 χ^2/NDF: 4988649577167


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 924.972+/-0.000 χ²/NDF: 2810458903902001143901545562112.0/17
Left Out: 924.983+/-0.000 χ²/NDF:1161112698344246137667167715328.0/24
Right Out: -924.982+/-0.000 χ²/NDF: 153520076578178005377787258470 4.0/21
Left In: -924.983+/-0.000 χ²/NDF:928270307181587701368348475392.0/22
Left: 26.401+/-0.000 χ²/NDF: 3354615142636374
Right: -65.472+/-0.000 χ²/NDF: 149147208181143
In: -371.357+/-0.000 χ²/NDF:1952093723402770
Out: 337.951+/-0.000 χ²/NDF:2191527541948377
All: -1.957+/-0.000 χ²/NDF: 4856310650366


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Right In: 762.607+/-0.000 χ²/NDF: 52250933778995117475440806068224.0/17
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -762.610+/-0.000 χ²/NDF: 533937343078299894632868216832000.0/21
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 2279690166404058
Right: -53.976+/-0.000 χ²/NDF: 101381041212594
In: -306.102+/-0.000 χ²/NDF:1326752565857929
Out: 278.563+/-0.000 χ²/NDF:1489472174320952
All: -1.615+/-0.000 χ²/NDF: 3300448717835


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 977.752+/-0.000 χ²/NDF: 2054861935262557094567200423936.0/17
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.754+/-0.000 χ²/NDF: 19760692422469849074930800394240/21
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right: -69.203+/-0.000 χ²/NDF: 166652444264942
In: -392.527+/-0.000 χ²/NDF:2181165307776828
Out: 357.220+/-0.000 χ²/NDF:2448676932663452
All: -2.067+/-0.000 χ²/NDF: 5426111010291

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/21

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

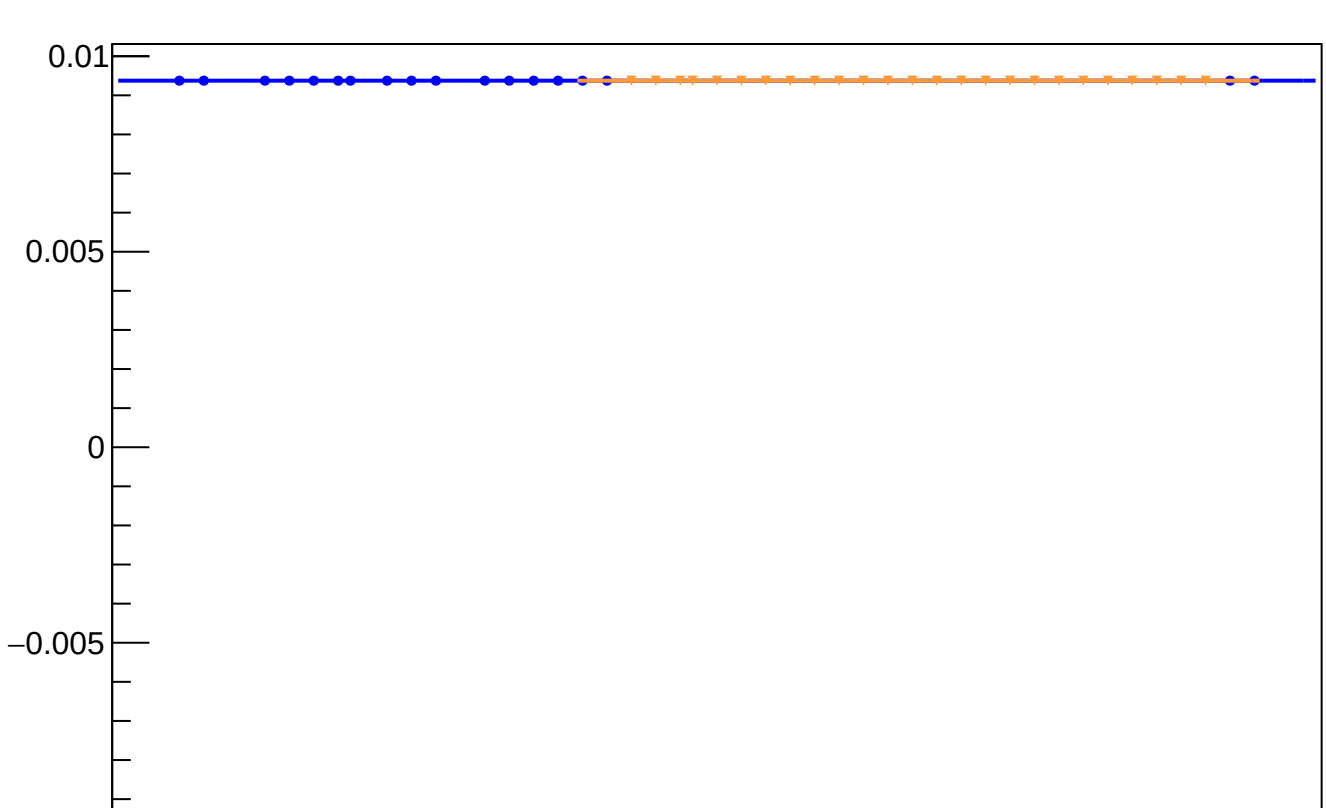
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 1532130244006848

In: -0.004+/-0.000 χ^2/NDF:20053073299632308

Out: 0.003+/-0.000 χ^2/NDF:225124164834234890

All: -0.000+/-0.000 χ^2/NDF: 4988649577167



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/21

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

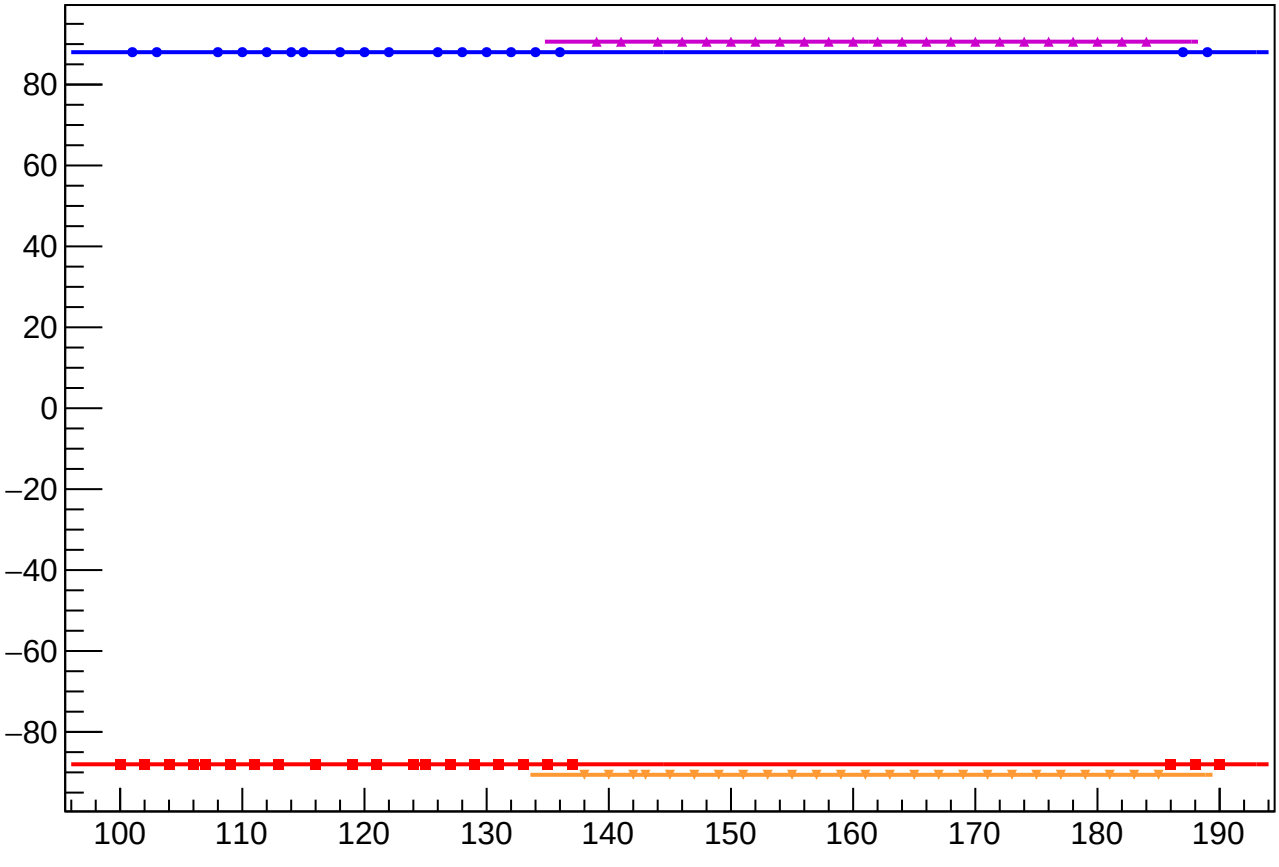
Right: -0.001+/-0.000 χ^2/NDF: 1532130244006848

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.003+/-0.000 χ^2/NDF:225124164834234890

All: -0.000+/-0.000 χ^2/NDF: 4988649577167

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1613567.6/17

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.003+/-0.000 χ^2/NDF: 74267588271802344302912208896.0/21

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

Right: -6.230+/-0.000 χ^2/NDF: 1350007784837493

In: 89.822+/-0.000 χ^2/NDF:385172414756200063

Out: -89.775+/-0.000 χ^2/NDF:4316864457425834

All: -3.711+/-0.000 χ^2/NDF: 4569902305404

HWienAngle_mean vs Slug, Sign Corrected

Right In: -29.135+/-0.000 χ^2/NDF: 11148595720603920810712305992990720.0/17

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.195+/-0.000 χ^2/NDF: 1167953127505350009235436847759360.0/21

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

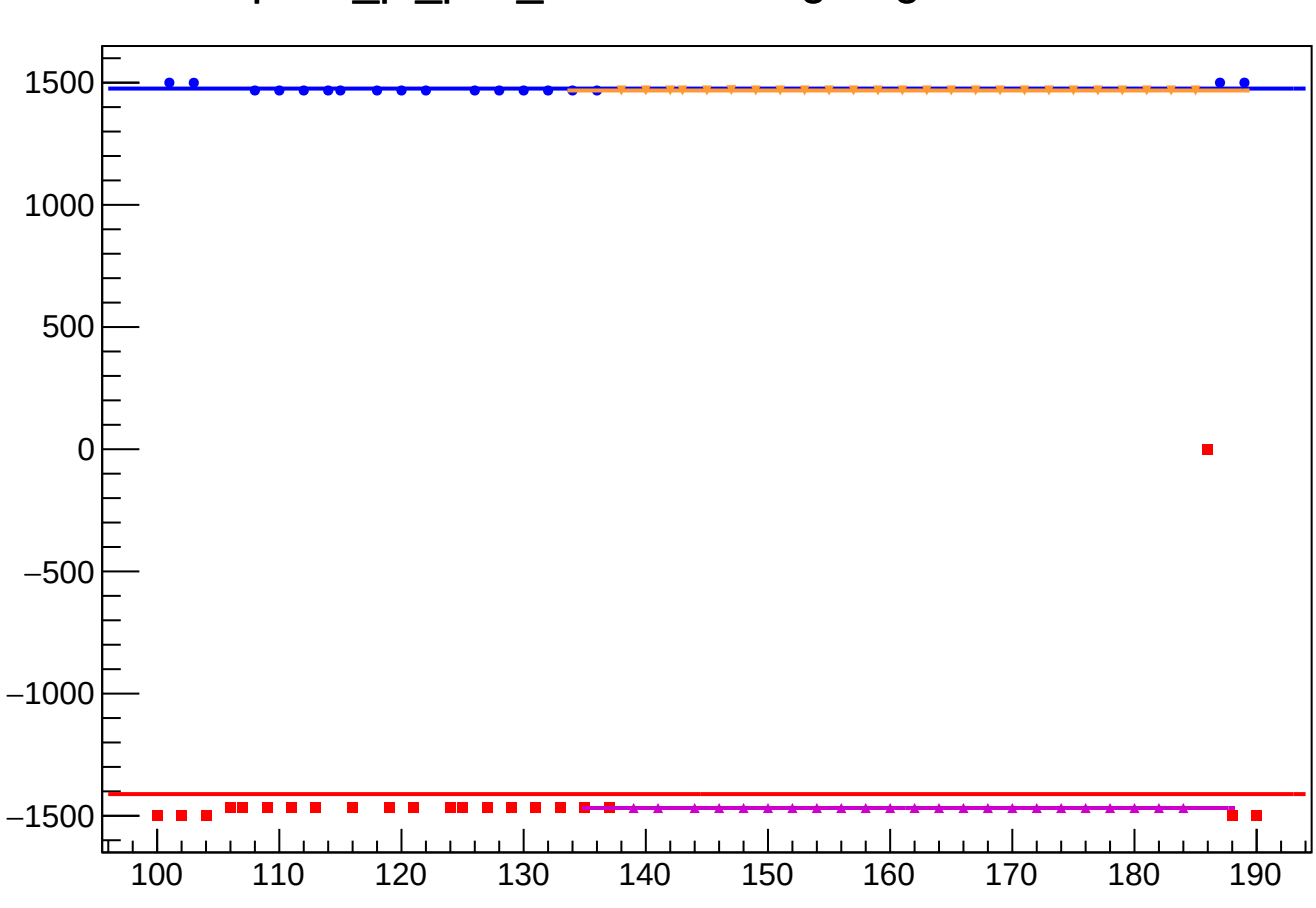
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 2.094+/-0.000 χ^2/NDF: 14850801686909911

In: 12.051+/-0.000 χ^2/NDF:197161745365152426

Out: -10.971+/-0.000 χ^2/NDF:2217848909706870

All: 0.062+/-0.000 χ^2/NDF: 4940255795619



Right In: 1475.847+/-0.000 χ^2/NDF: 153678242204766632767006235548450816.0/17

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1411.193+/-0.000 χ^2/NDF: 8775124046377173779097042098282351820 8.0/21

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

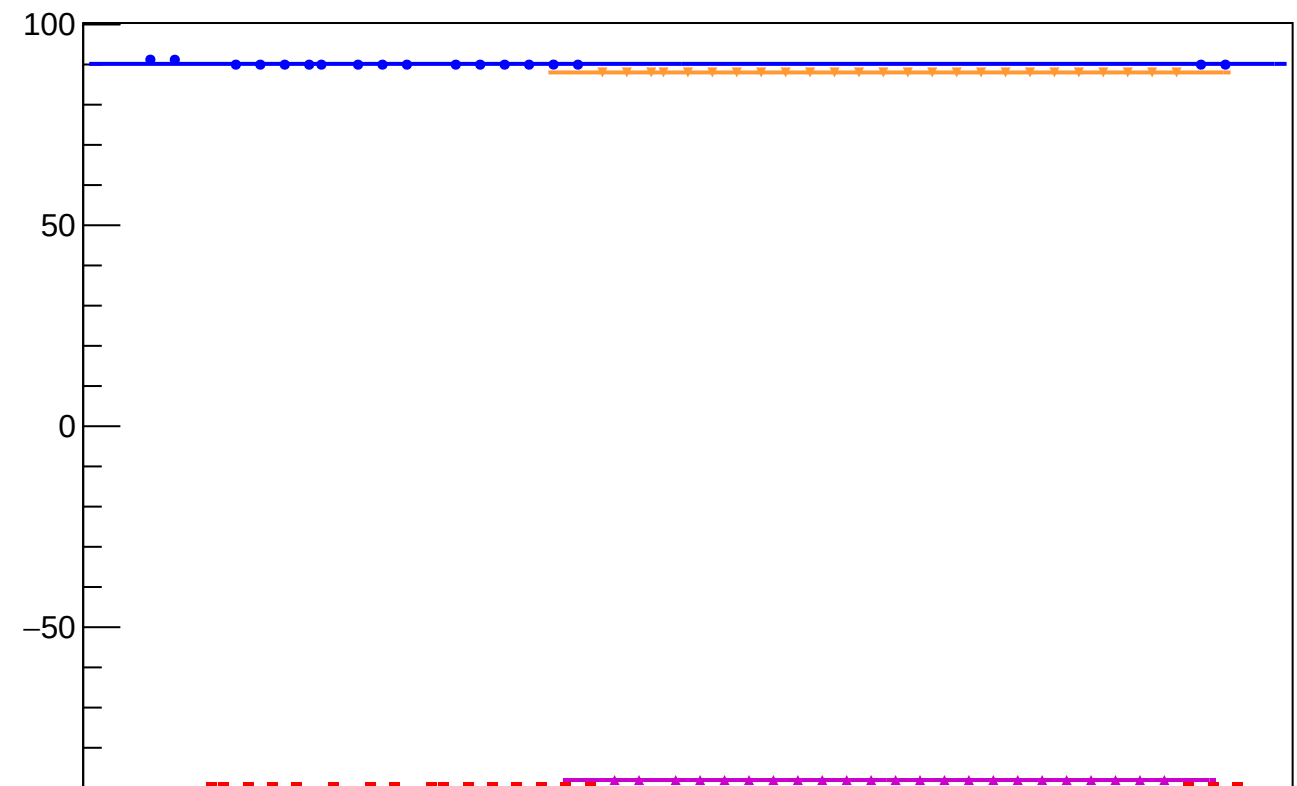
Right: -69.840+/-0.000 χ^2/NDF: 3720348411074560

In: -587.006+/-0.000 χ^2/NDF:4943339817193458

Out: 554.407+/-0.000 χ^2/NDF:539630869642871

All: 7.430+/-0.000 χ^2/NDF: 12185158706327

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.154+/-0.000 χ^2/NDF: 16303845548708617234700848804659 2.0/17

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.130+/-0.000 χ^2/NDF: 17107193347549764190881726018355 2.0/21

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 4

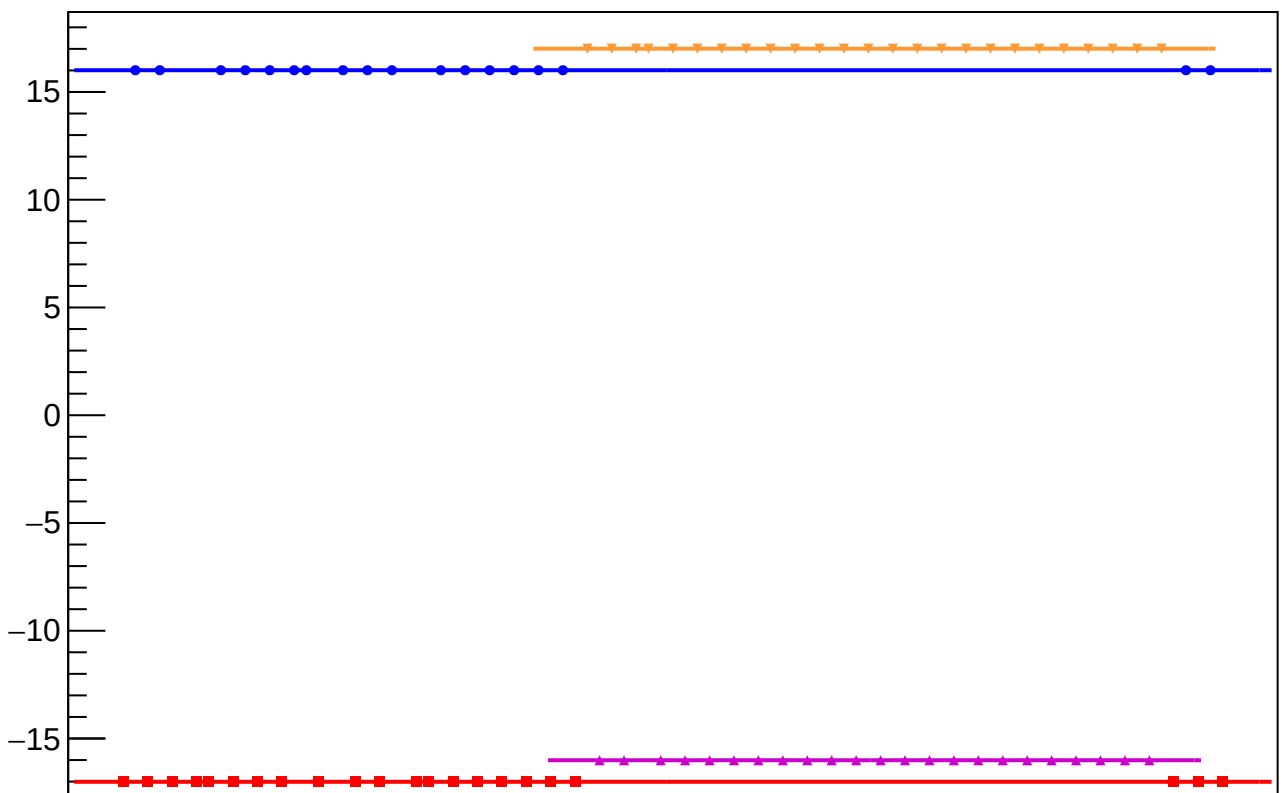
Right: -6.368+/-0.000 χ^2/NDF: 141649509869641 6

In: -34.699+/-0.000 χ^2/NDF:18108084511925690

Out: 31.490+/-0.000 χ^2/NDF:203234521134516 2

All: -0.229+/-0.000 χ^2/NDF: 44637455852 5

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/17

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 1527325268188479141340774 4.0/21

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

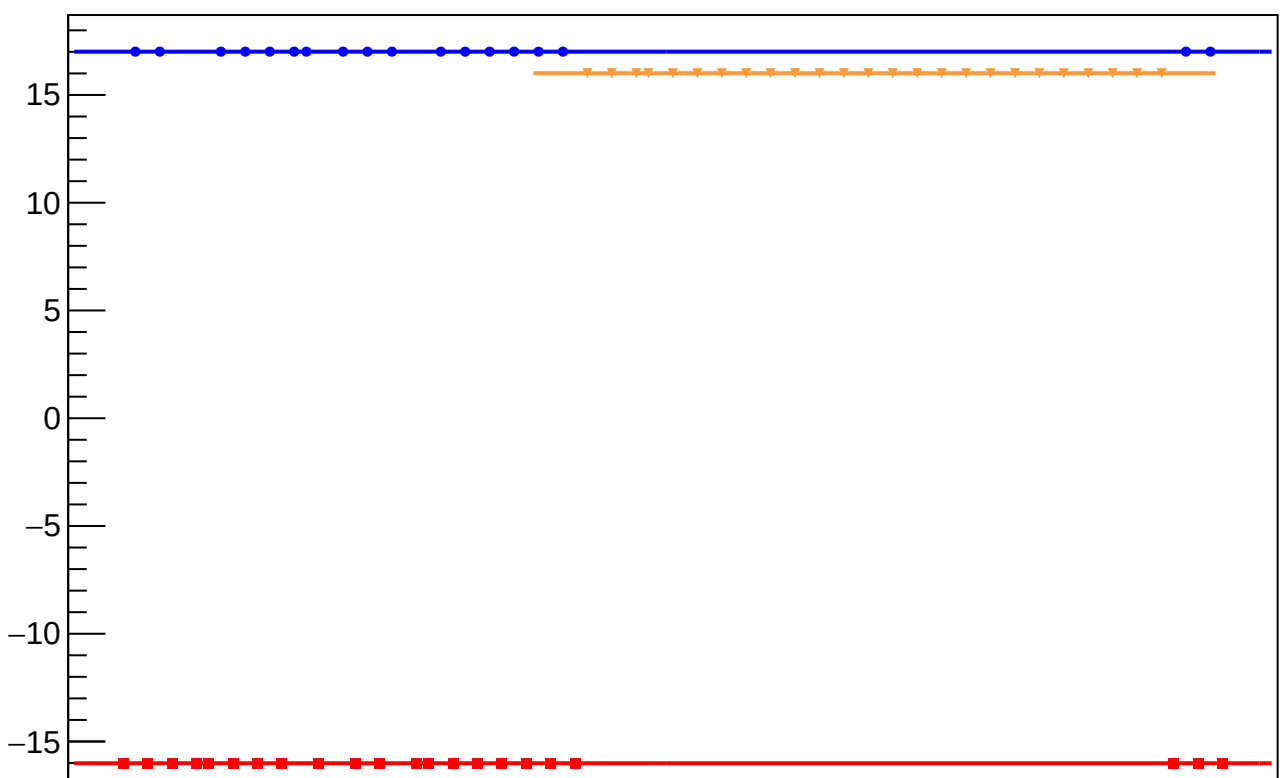
Right: -1.434+/-0.000 χ^2/NDF: 4463782131757580

In: -6.255+/-0.000 χ^2/NDF:55248580852708412 5

Out: 6.233+/-0.000 χ^2/NDF:686288669336151789

All: 0.220+/-0.000 χ^2/NDF: 1444495133489

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 116562.1/17

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 225058.9/21

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

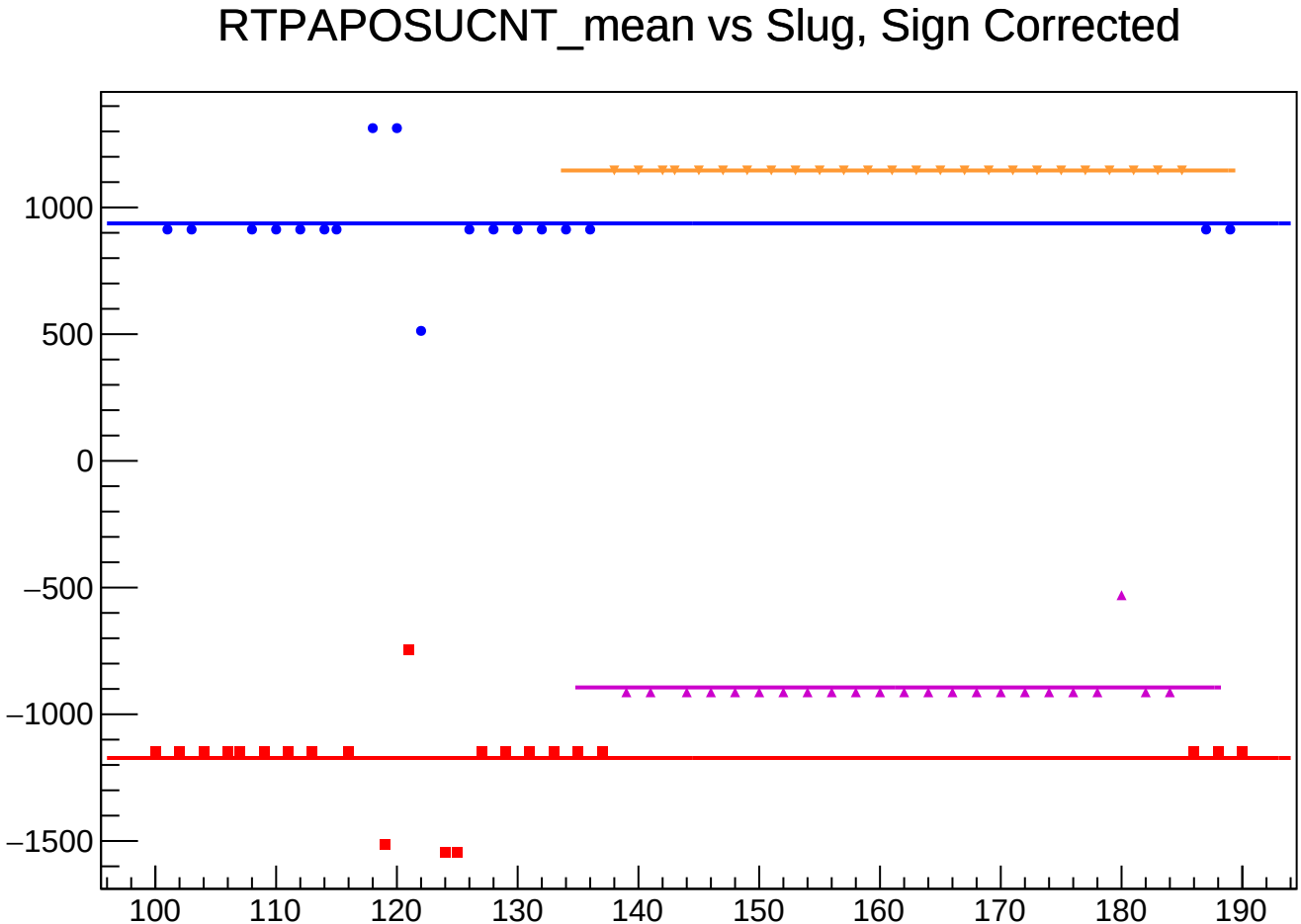
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.983+/-0.000 χ^2/NDF: 4633956123805793

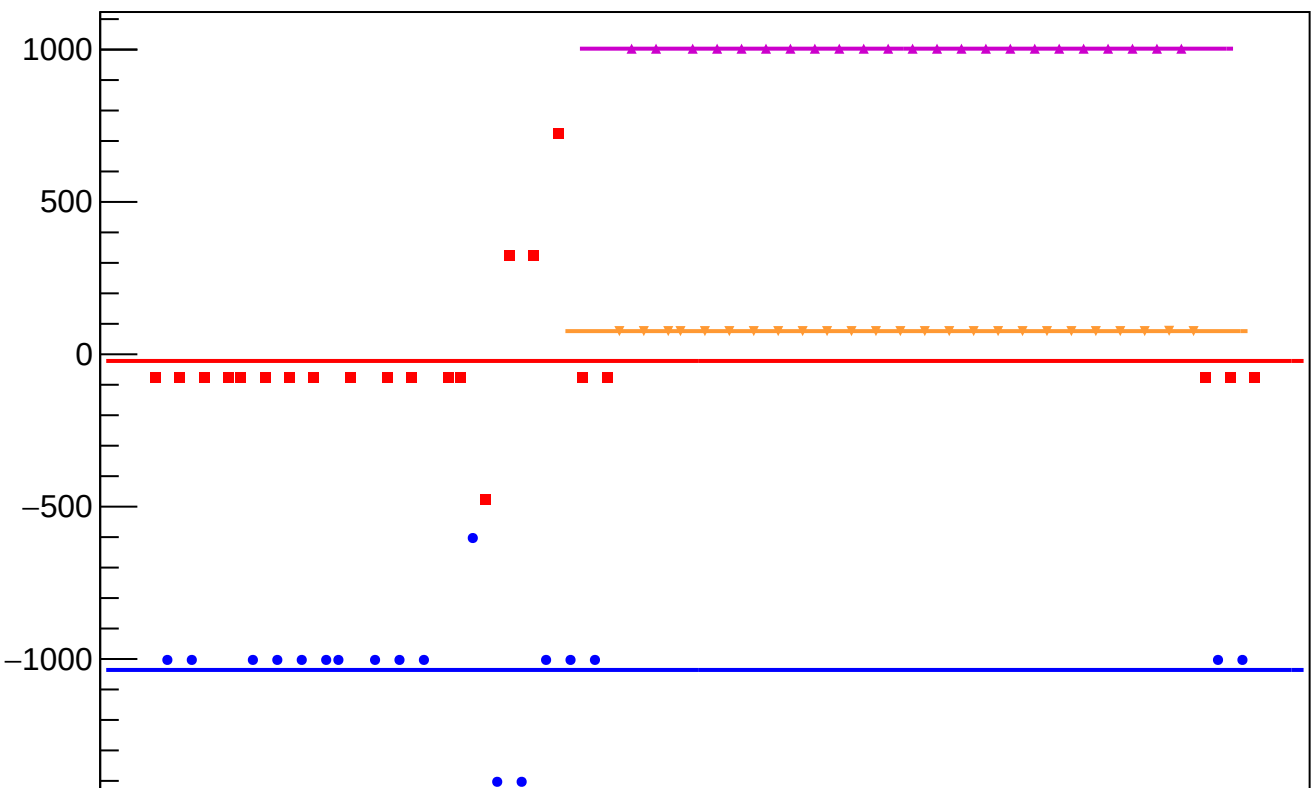
In: -6.958+/-0.000 χ^2/NDF:635975346290062024

Out: 5.789+/-0.000 χ^2/NDF:651884150769984248

All: -0.257+/-0.000 χ^2/NDF: 1513366650342


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right In: 937.074+/-0.000 χ²/NDF: 211294224687999021859374650393194659840.0/17
Right: -192.340+/-0.000 χ²/NDF: 19827946480727
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
In: -346.099+/-0.000 χ²/NDF:1946910784196373
Right Out: -1172.449+/-0.000 χ²/NDF: 22290651058346461082592142835694174208.0/21
Out: 410.322+/-0.000 χ²/NDF:3464380305135936
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600.0/22
All: 47.837+/-0.000 χ²/NDF: 6221800511920

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1035.913+/-0.000 χ^2/NDF: 22957298334449310682429576005717852160.0/17

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

Right Out: -21.852+/-0.000 χ^2/NDF: 46688513646016245397857076261410570240.0/21

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

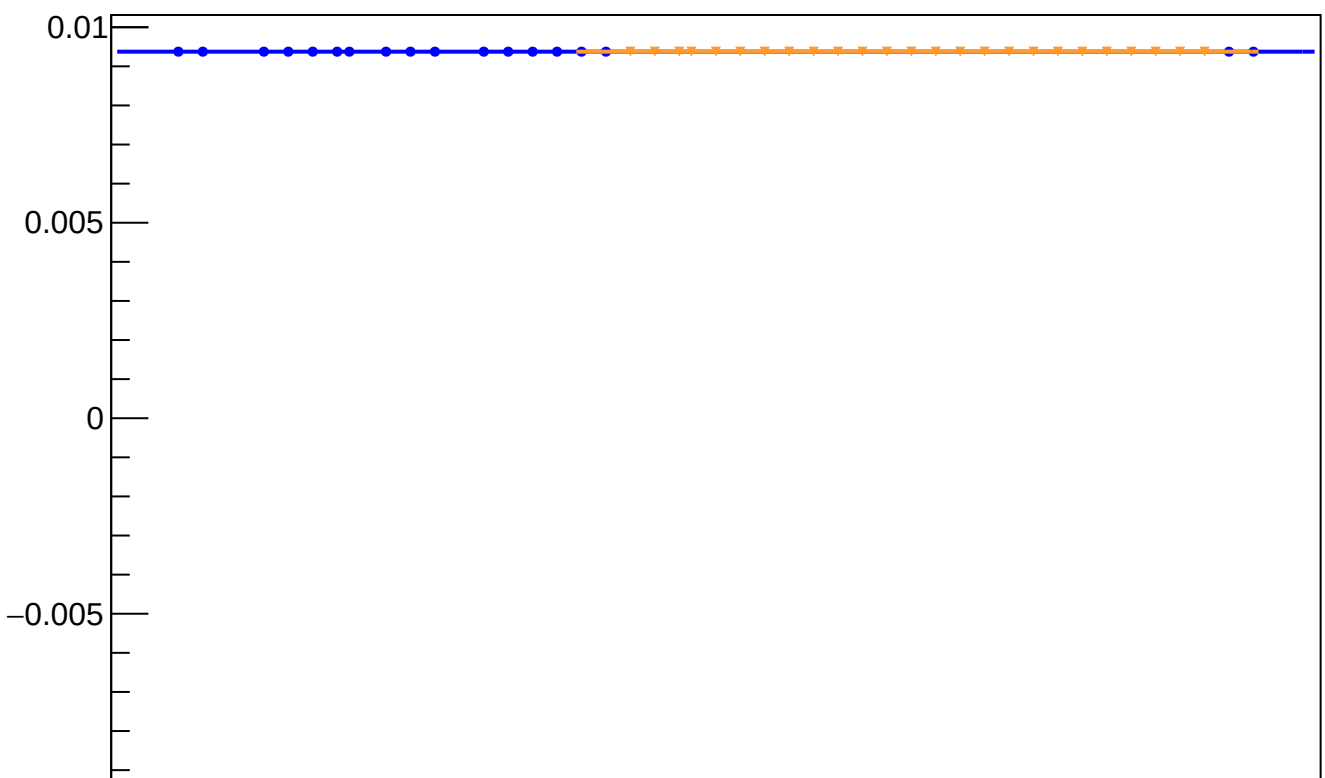
Right: -492.997+/-0.000 χ^2/NDF: 51779349631049

In: 392.818+/-0.000 χ^2/NDF:23941756400440589

Out: 44.985+/-0.000 χ^2/NDF:52826636590078001

All: 211.671+/-0.000 χ^2/NDF: 261838690155

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/21

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

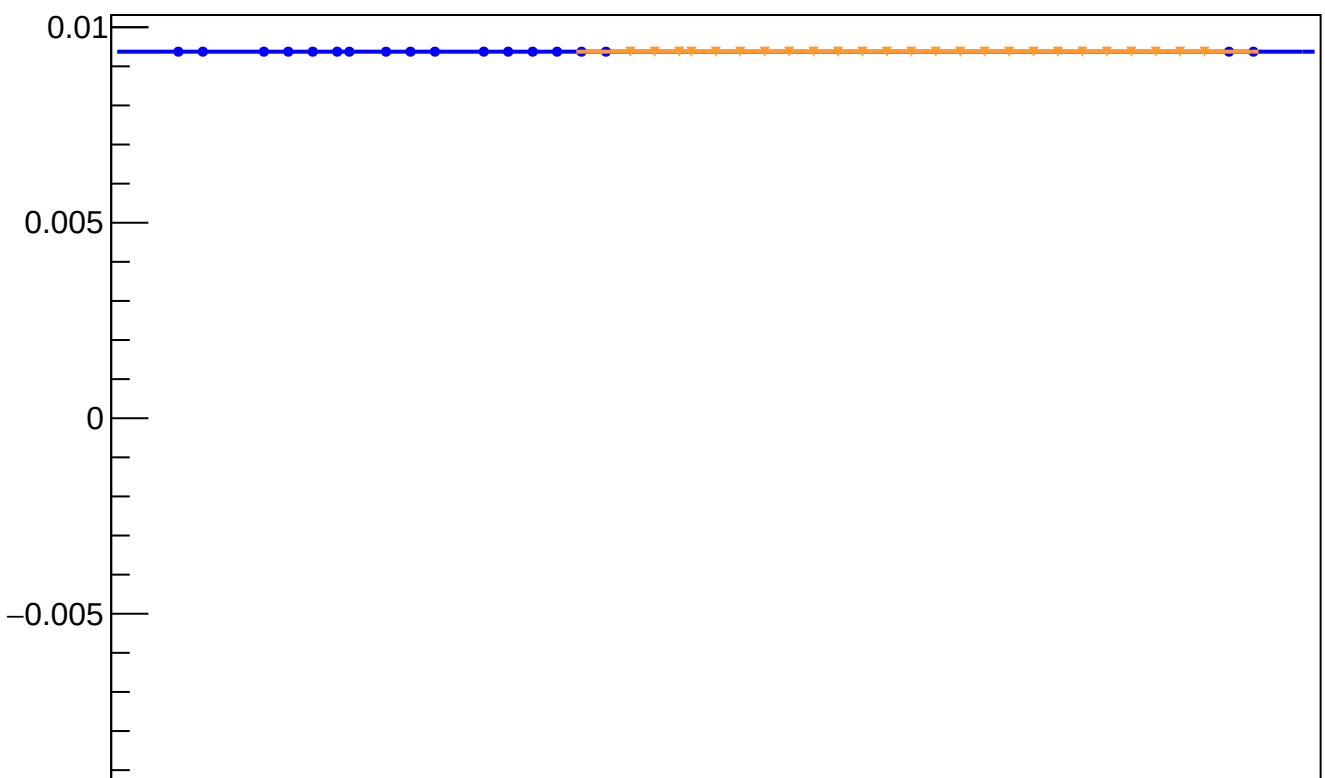
Right: -0.001+/-0.000 χ^2/NDF: 1532130244006848

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.003+/-0.000 χ^2/NDF:225124164834234890

All: -0.000+/-0.000 χ^2/NDF: 4988649577167

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/21

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 1532130244006848

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.003+/-0.000 χ^2/NDF:225124164834234890

All: -0.000+/-0.000 χ^2/NDF: 4988649577167