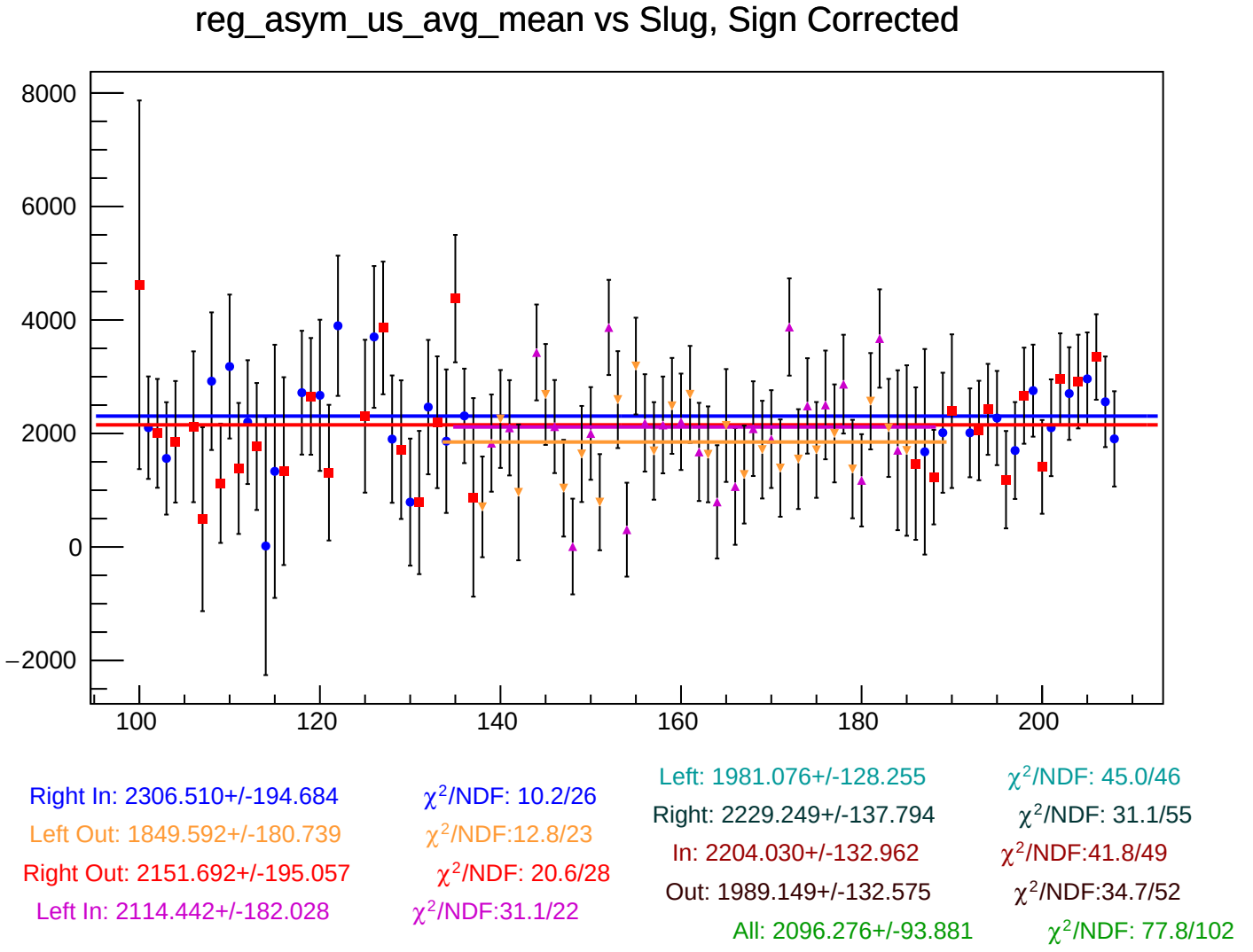
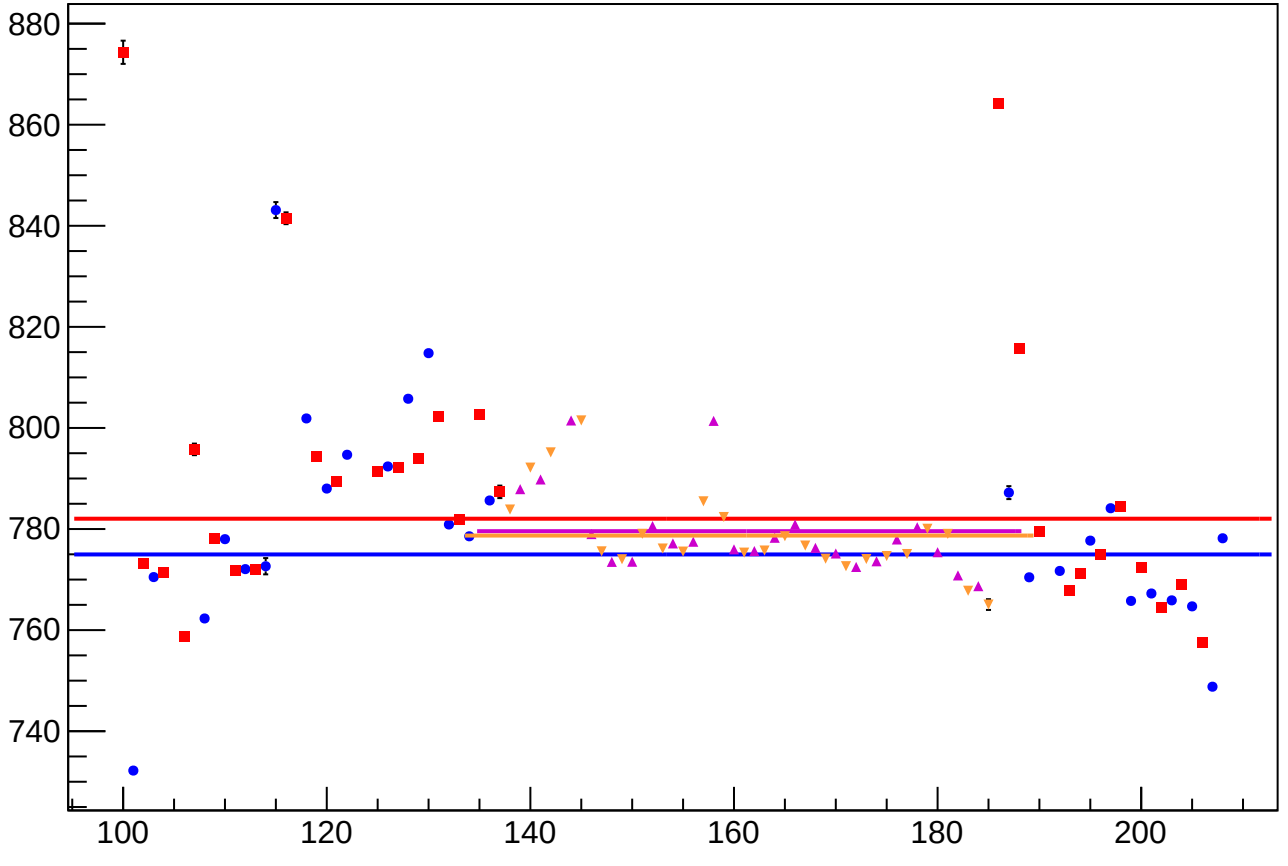

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2306.510+/-194.684
χ²/NDF: 10.2/26
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2151.692+/-195.057
χ²/NDF: 20.6/28
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2229.249+/-137.794
χ²/NDF: 31.1/55
In: 2204.030+/-132.962
χ²/NDF:41.8/49
Out: 1989.149+/-132.575
χ²/NDF:34.7/52
All: 2096.276+/-93.881
χ²/NDF: 77.8/102

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

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

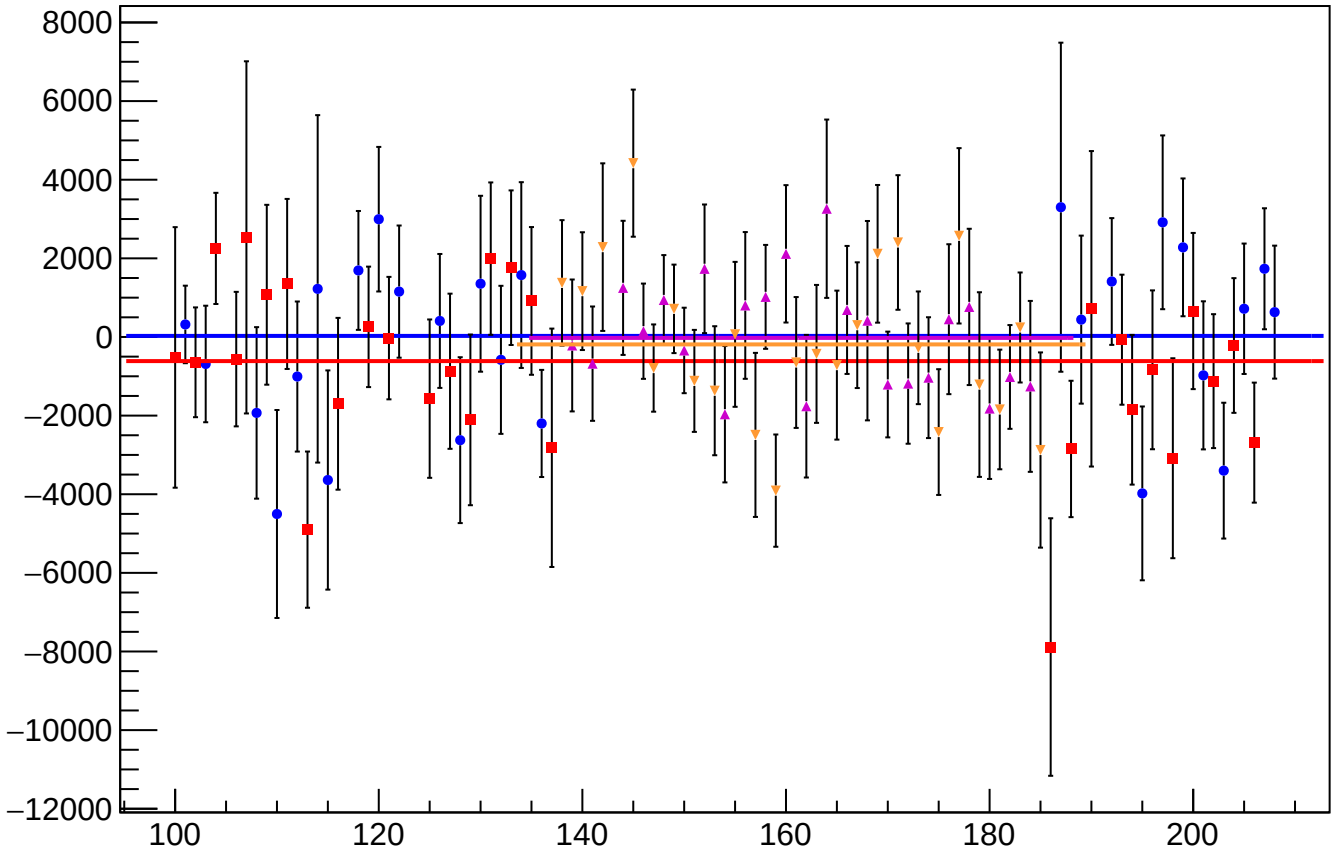
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.501+/-0.097 χ^2/NDF: 41574.6/55

In: 777.428+/-0.094 χ^2/NDF:21720.9/49

Out: 780.249+/-0.094 χ^2/NDF:27010.9/52

All: 778.843+/-0.066 χ^2/NDF: 49183.0/102



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: -613.570+/-359.644 χ^2/NDF: 27.1/28

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

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

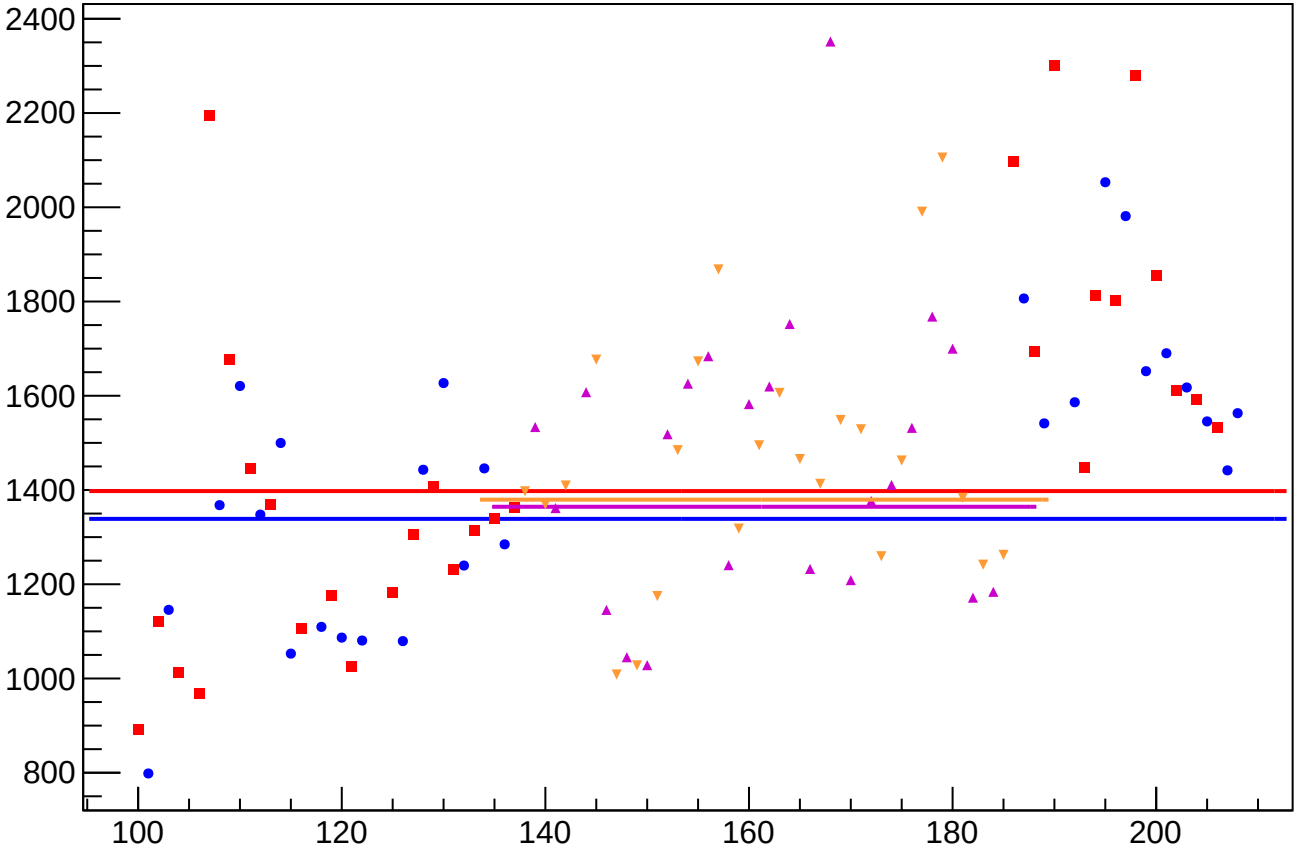
Right: -281.857+/-249.792 χ^2/NDF: 58.1/55

In: 0.154+/-237.585 χ^2/NDF:42.9/49

Out: -381.582+/-242.216 χ^2/NDF:57.5/52

All: -187.030+/-169.612 χ^2/NDF: 101.6/102

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

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

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

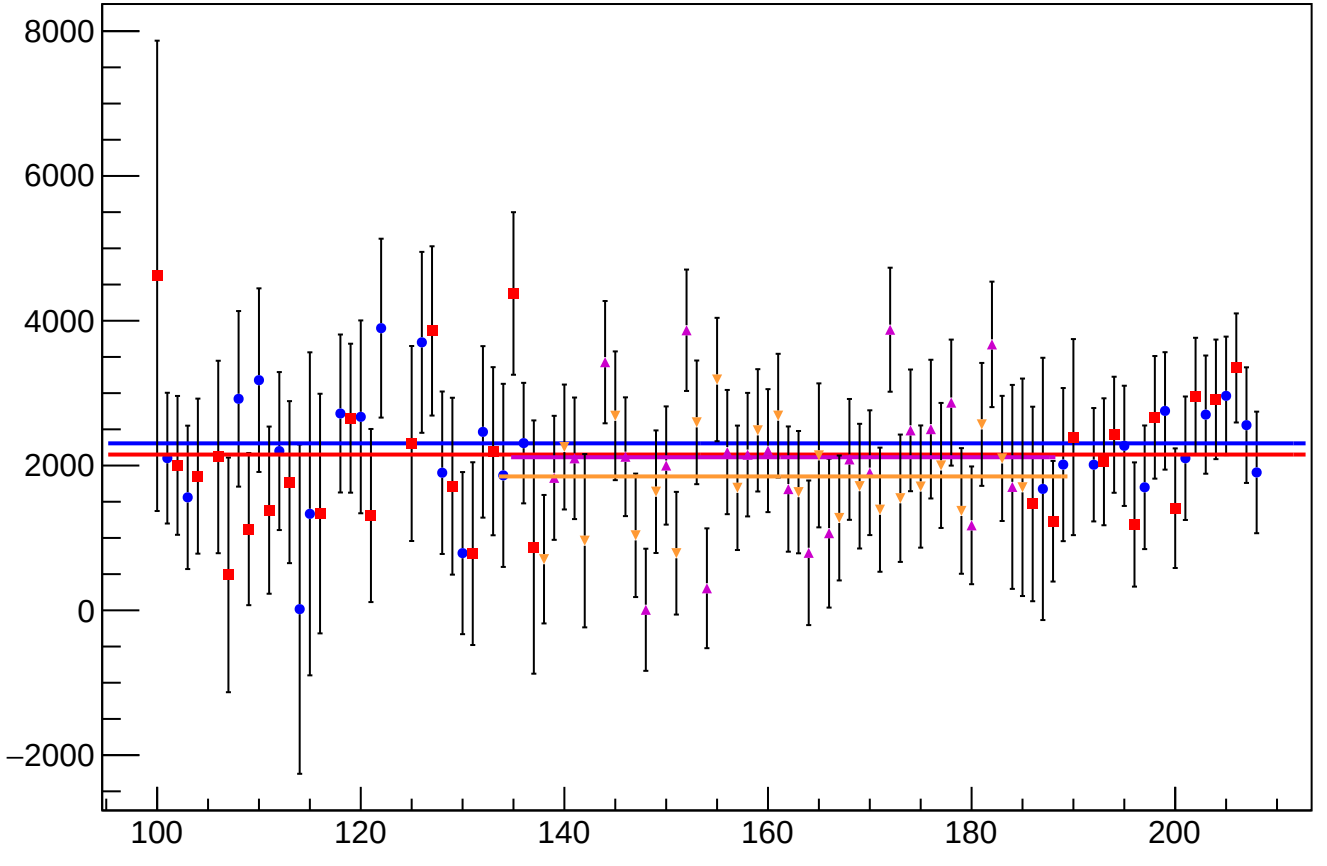
Right: 1367.194+/-0.177 χ^2/NDF: 3247671.6/55

In: 1352.386+/-0.168 χ^2/NDF:2956367.1/49

Out: 1387.790+/-0.171 χ^2/NDF:2742825.6/52

All: 1369.747+/-0.120 χ^2/NDF: 5720969.8/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: 2151.692+/-195.057 χ^2/NDF: 20.6/28

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

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

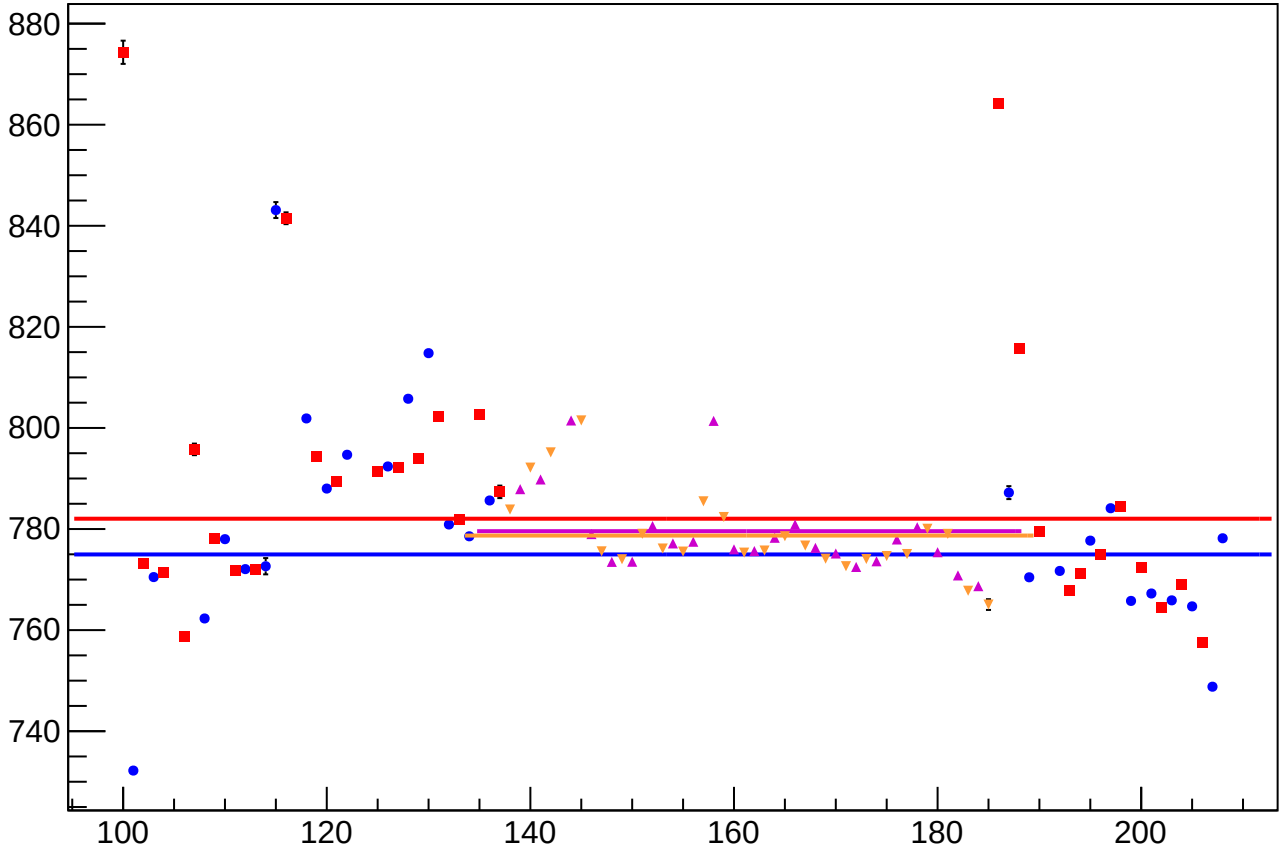
Right: 2229.249+/-137.794 χ^2/NDF: 31.1/55

In: 2204.030+/-132.962 χ^2/NDF:41.8/49

Out: 1989.149+/-132.575 χ^2/NDF:34.7/52

All: 2096.276+/-93.881 χ^2/NDF: 77.8/102

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

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

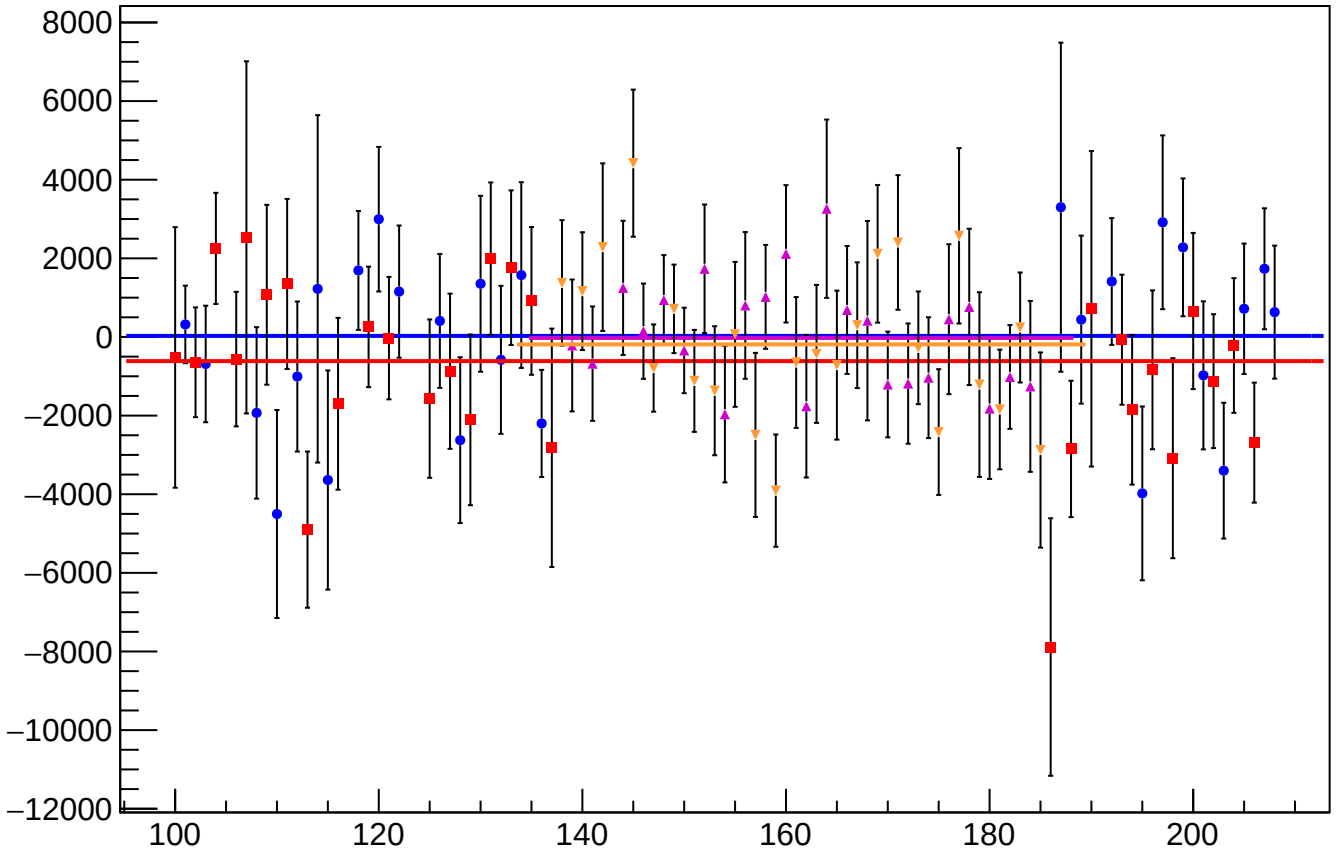
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.501+/-0.097 χ^2/NDF: 41574.6/55

In: 777.428+/-0.094 χ^2/NDF:21720.9/49

Out: 780.249+/-0.094 χ^2/NDF:27010.9/52

All: 778.843+/-0.066 χ^2/NDF: 49183.0/102



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: -613.570+/-359.644 χ^2/NDF: 27.1/28

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

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

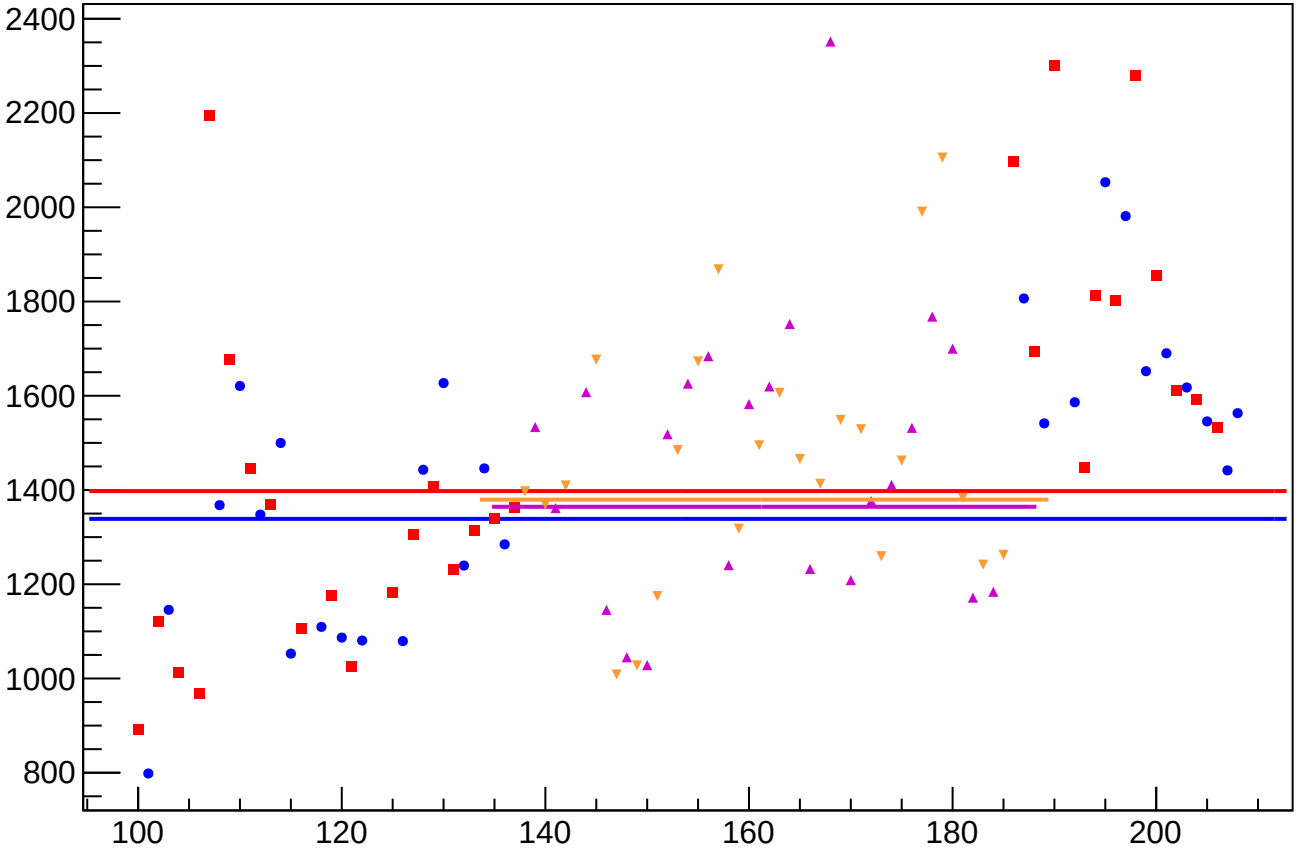
Right: -281.857+/-249.792 χ^2/NDF: 58.1/55

In: 0.154+/-237.585 χ^2/NDF:42.9/49

Out: -381.582+/-242.216 χ^2/NDF:57.5/52

All: -187.030+/-169.612 χ^2/NDF: 101.6/102

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

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

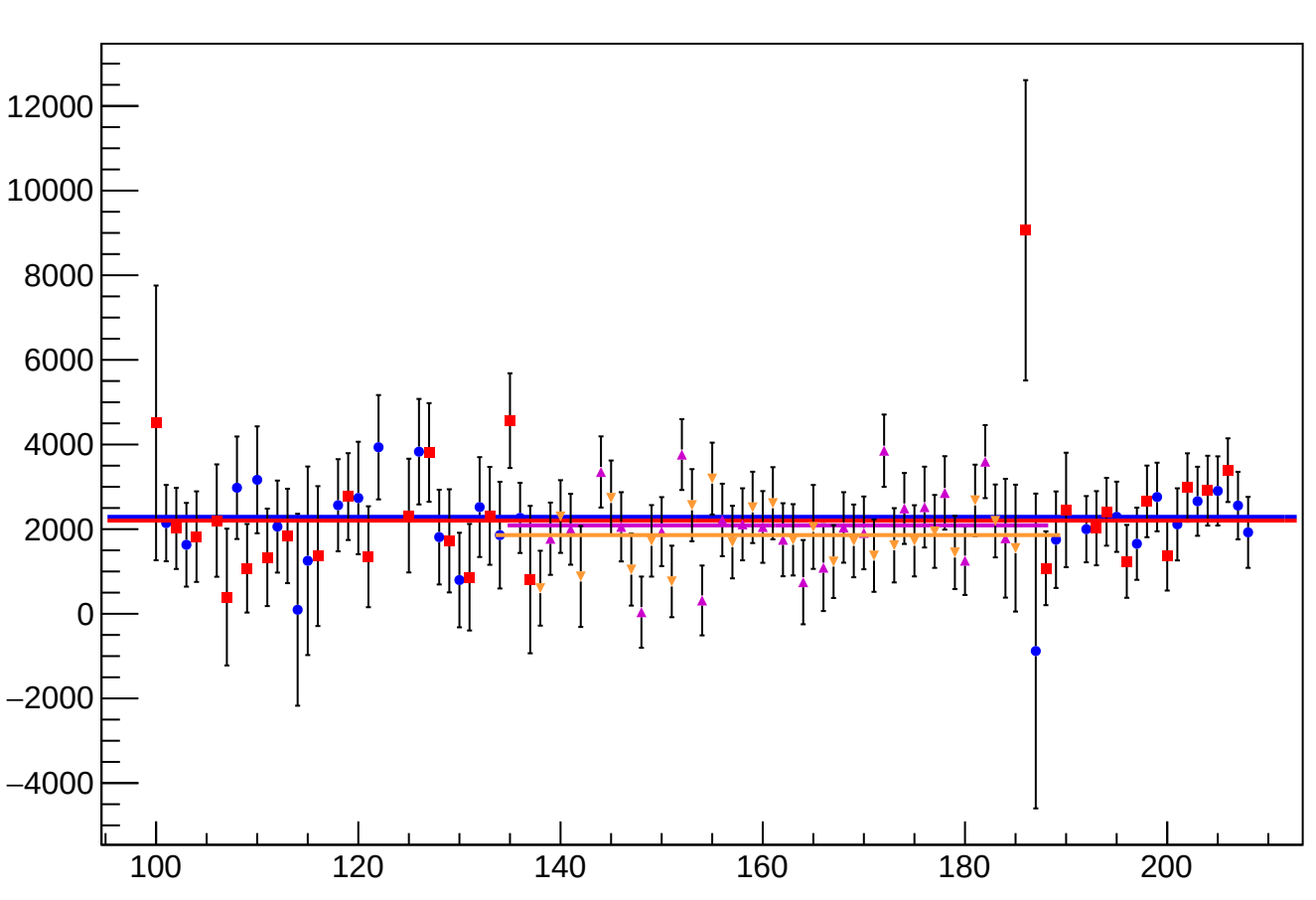
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1367.194+/-0.177 χ^2/NDF: 3247671.6/55

In: 1352.386+/-0.168 χ^2/NDF:2956367.1/49

Out: 1387.790+/-0.171 χ^2/NDF:2742825.6/52

All: 1369.747+/-0.120 χ^2/NDF: 5720969.8/10



Right In: 2291.293+/-195.706 χ^2/NDF: 11.2/26

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

Right Out: 2202.298+/-197.075 χ^2/NDF: 25.4/28

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

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

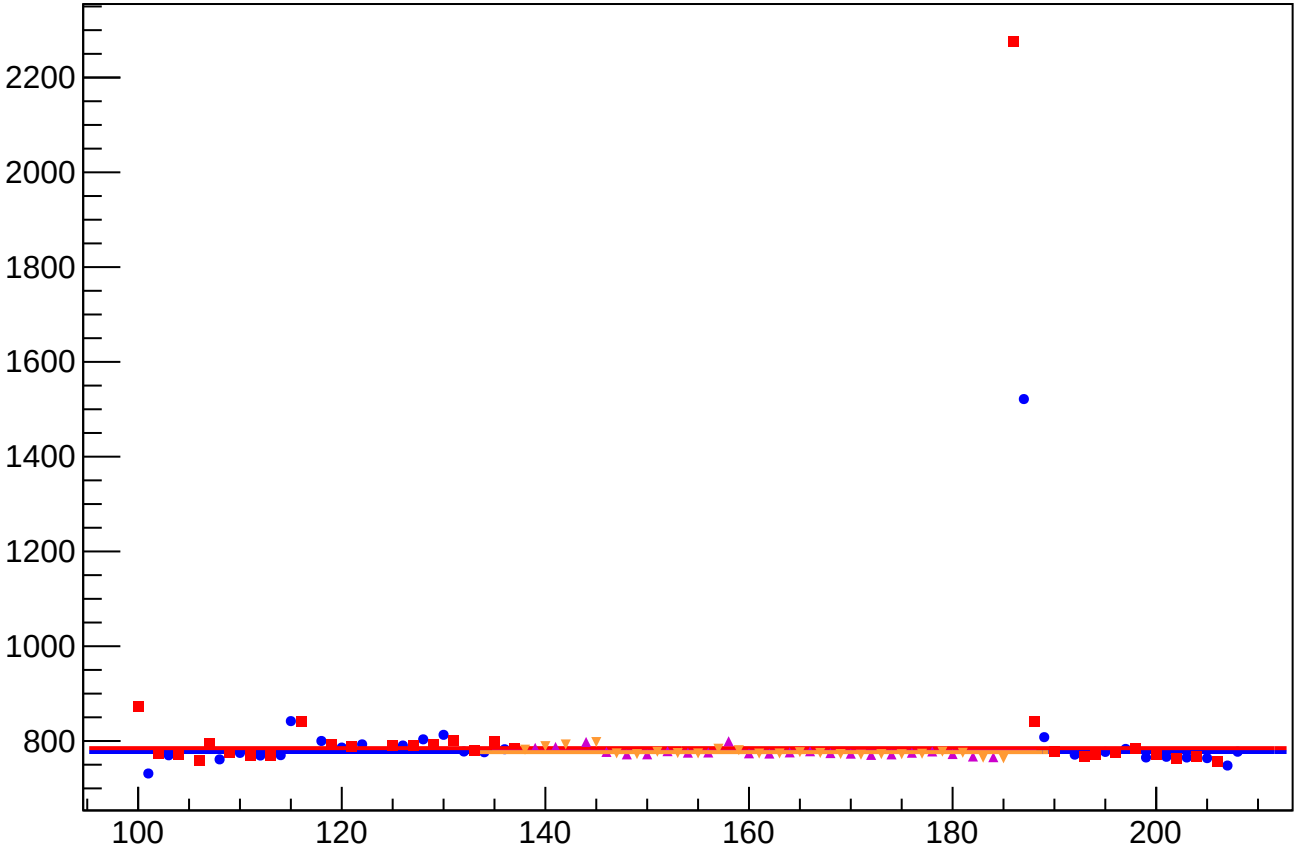
Right: 2247.106+/-138.867 χ^2/NDF: 36.7/55

In: 2182.816+/-133.088 χ^2/NDF:41.4/49

Out: 2015.641+/-132.999 χ^2/NDF:40.6/52

All: 2099.173+/-94.076 χ^2/NDF: 82.7/102

overload_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 776.807+/-0.138 χ^2/NDF: 98325.6/26

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

Right Out: 784.918+/-0.139 χ^2/NDF: 375825.4/28

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

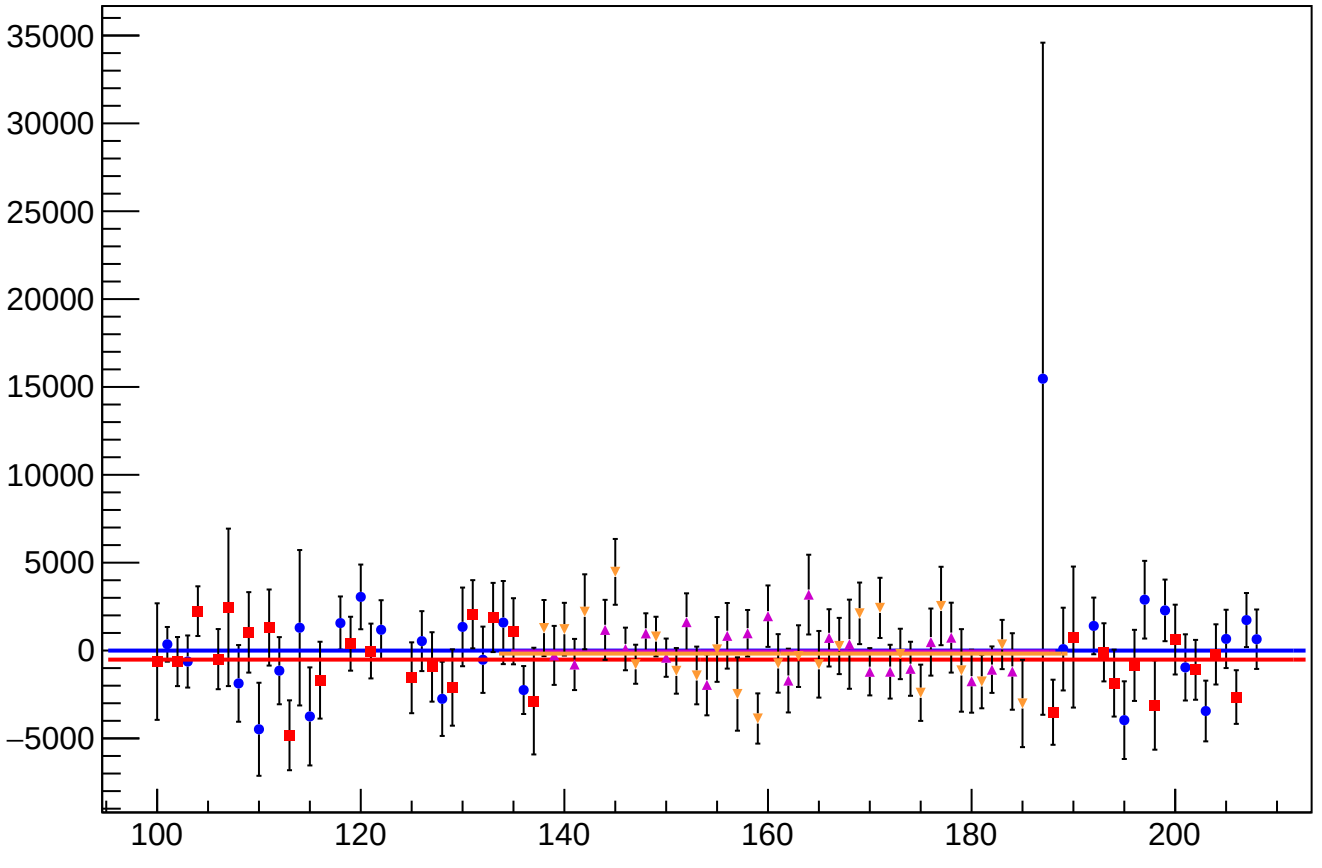
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 780.834+/-0.098 χ^2/NDF: 475856.7/55

In: 777.132+/-0.094 χ^2/NDF:102398.0/49

Out: 780.346+/-0.094 χ^2/NDF:380938.8/52

All: 778.740+/-0.067 χ^2/NDF: 483920.3/102



Right In: -2.659+/-349.408 χ^2/NDF: 29.7/26

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

Right Out: -516.855+/-363.048 χ^2/NDF: 23.0/27

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

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

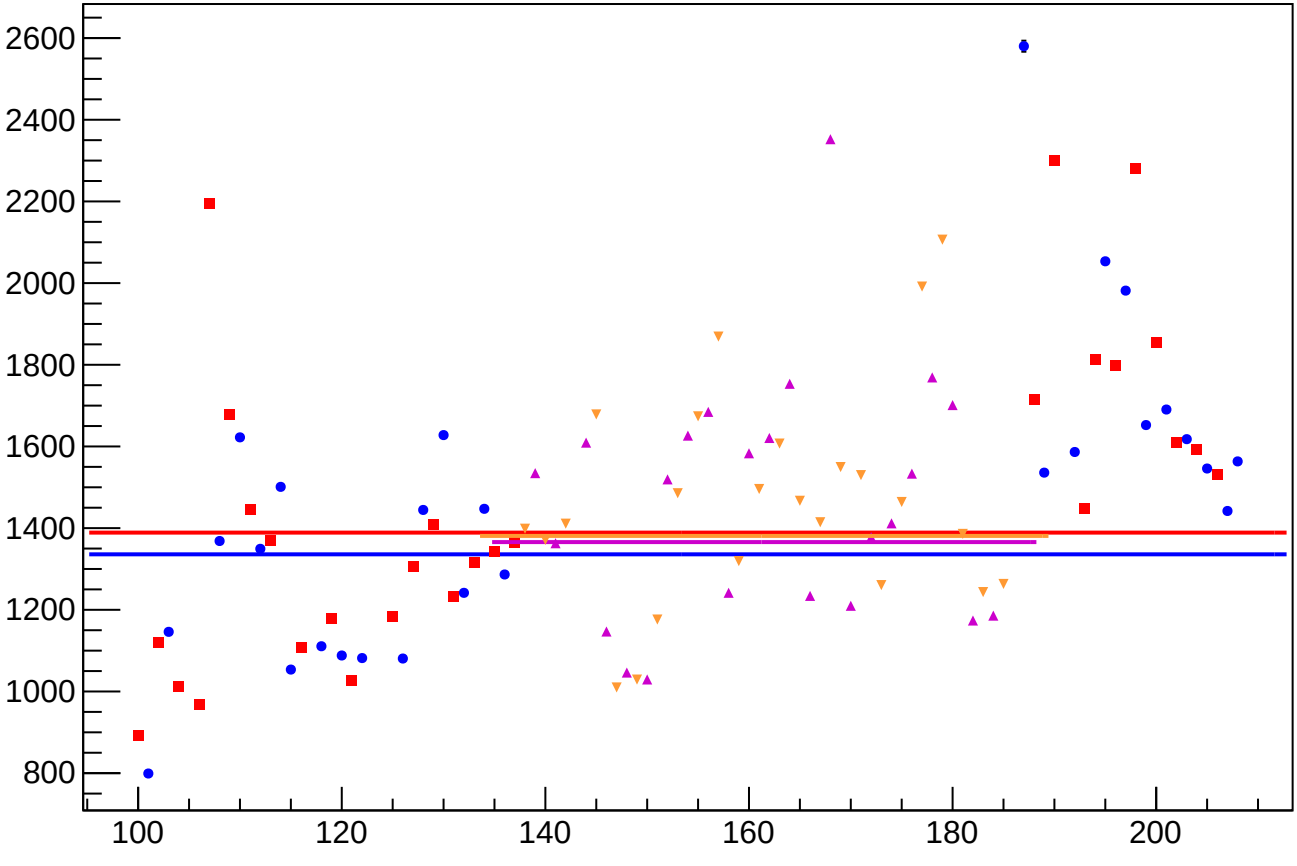
Right: -249.917+/-251.753 χ^2/NDF: 53.8/54

In: -29.467+/-238.411 χ^2/NDF:42.7/49

Out: -328.592+/-243.377 χ^2/NDF:53.1/51

All: -175.947+/-170.311 χ^2/NDF: 96.6/101

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1335.856+/-0.247 χ^2/NDF: 1613355.1/26

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

Right Out: 1389.046+/-0.257 χ^2/NDF: 1482955.6/27

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

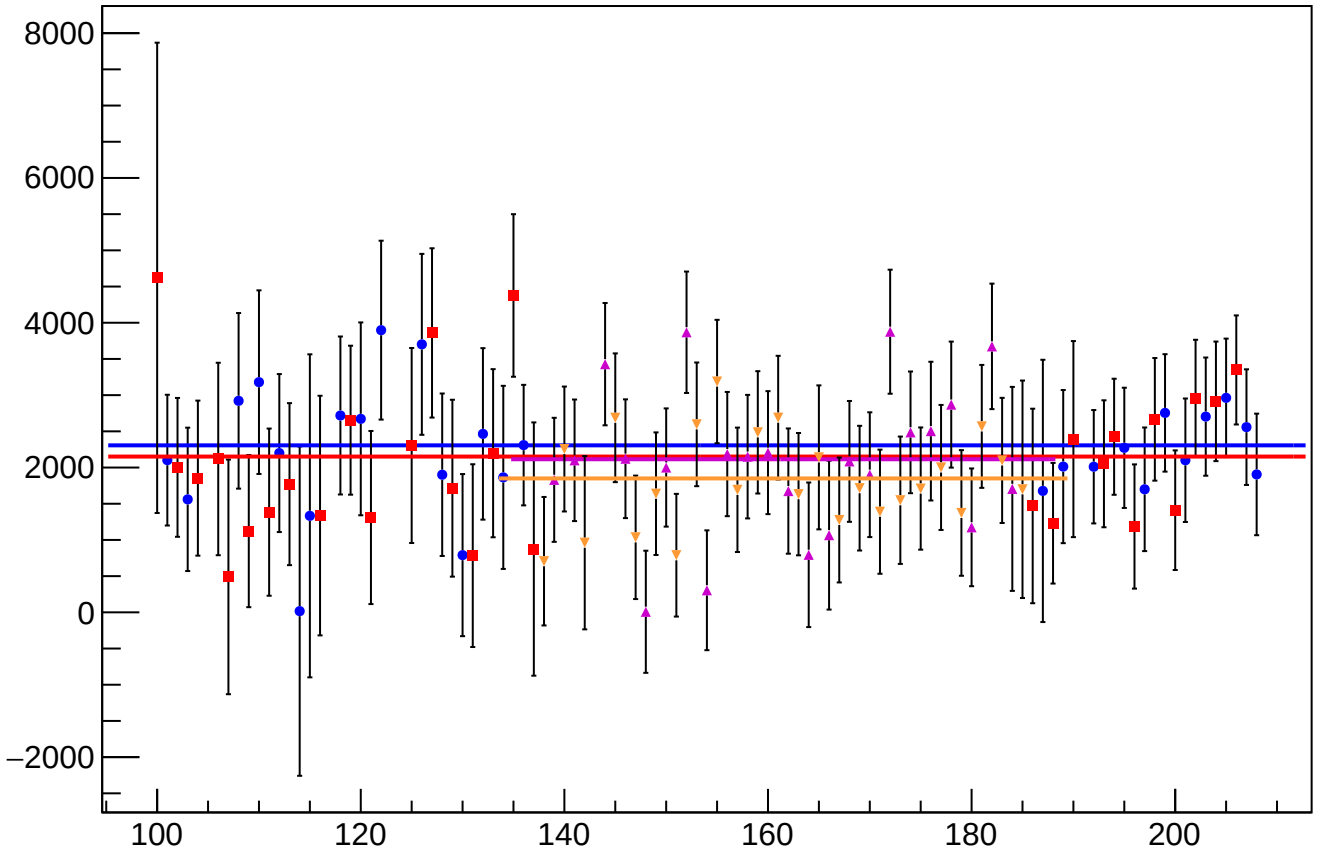
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1361.433+/-0.178 χ^2/NDF: 3118597.3/54

In: 1351.865+/-0.169 χ^2/NDF:2930073.3/49

Out: 1384.590+/-0.172 χ^2/NDF:2638940.6/51

All: 1367.890+/-0.120 χ^2/NDF: 5587466.2/10



Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: 2151.692+/-195.057 χ^2/NDF: 20.6/28

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

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

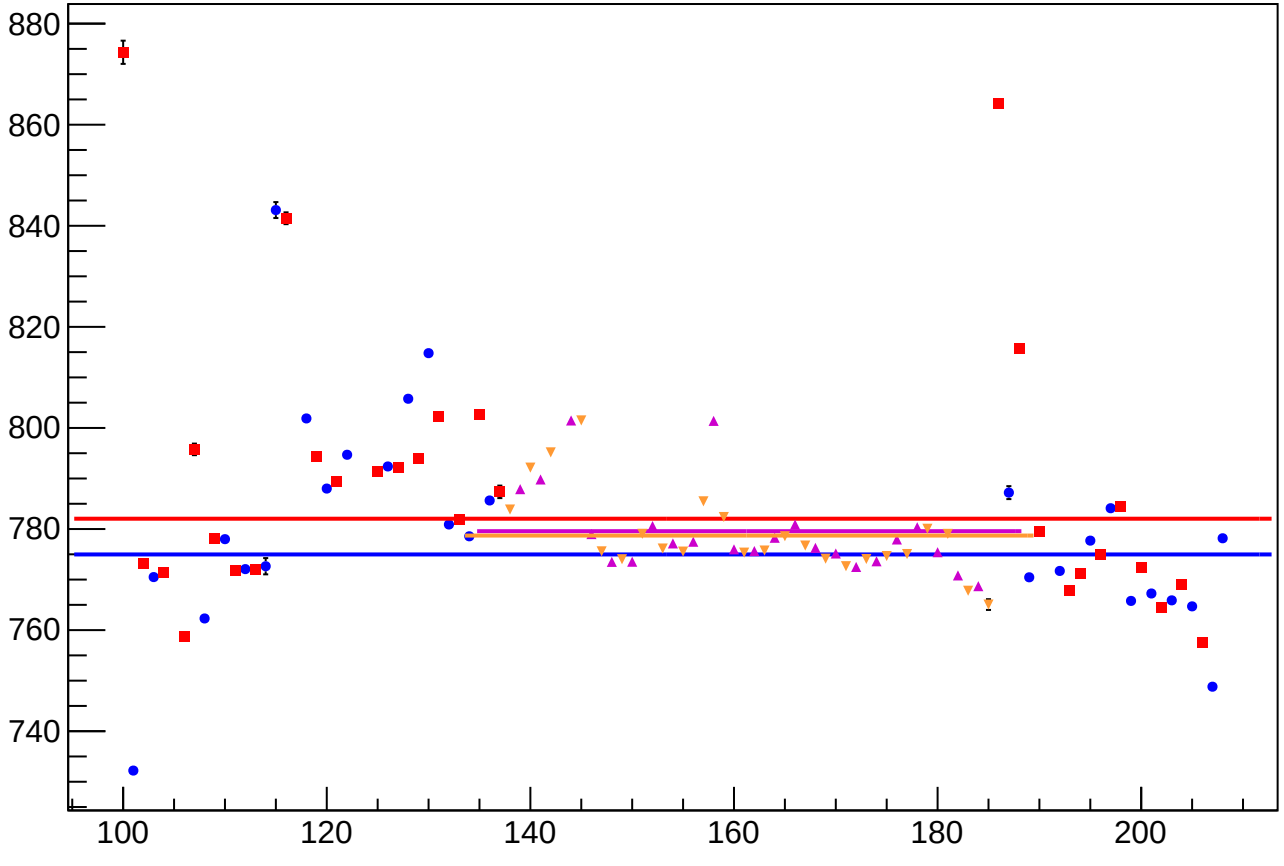
Right: 2229.249+/-137.794 χ^2/NDF: 31.1/55

In: 2204.030+/-132.962 χ^2/NDF:41.8/49

Out: 1989.149+/-132.575 χ^2/NDF:34.7/52

All: 2096.276+/-93.881 χ^2/NDF: 77.8/102

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

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

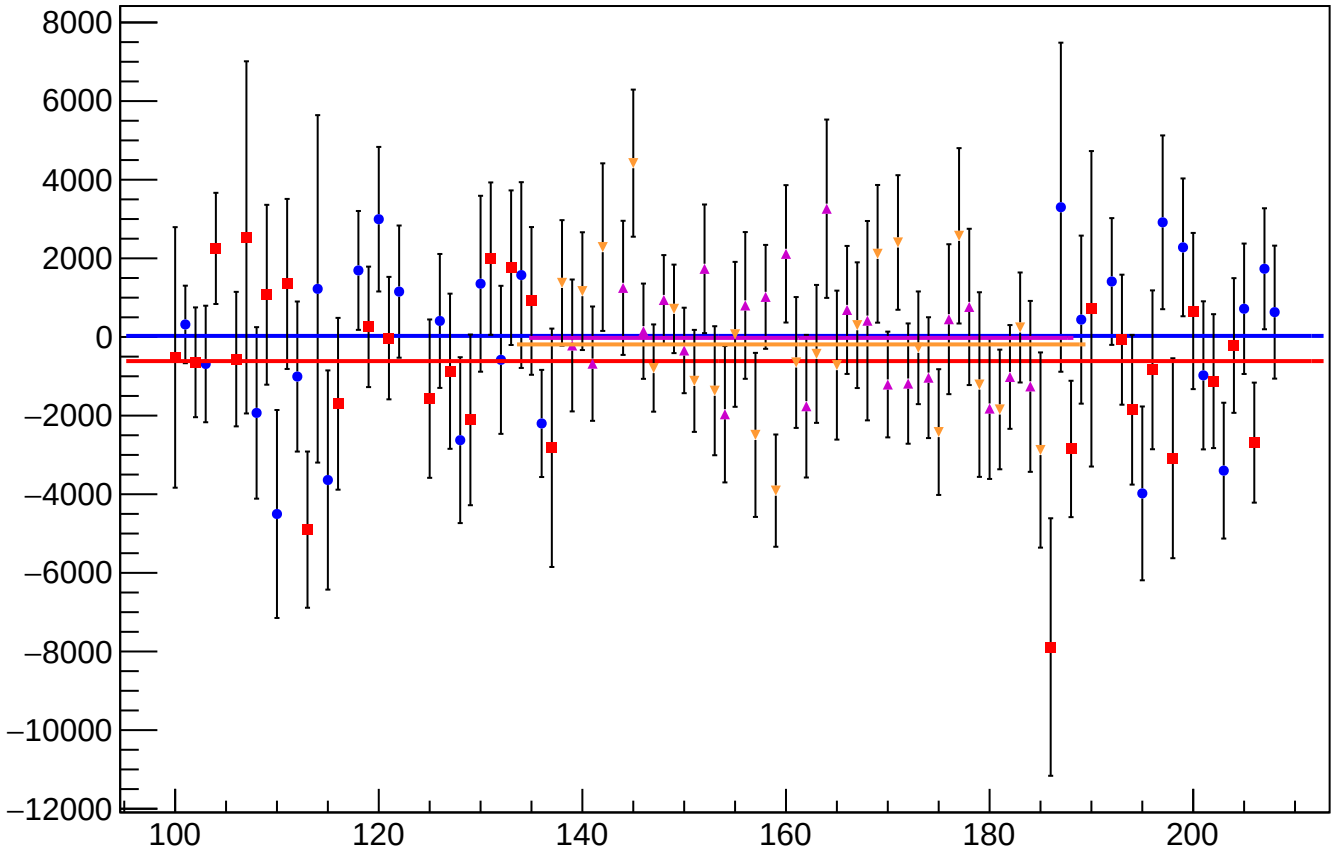
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.501+/-0.097 χ^2/NDF: 41574.6/55

In: 777.428+/-0.094 χ^2/NDF:21720.9/49

Out: 780.249+/-0.094 χ^2/NDF:27010.9/52

All: 778.843+/-0.066 χ^2/NDF: 49183.0/102



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: -613.570+/-359.644 χ^2/NDF: 27.1/28

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

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

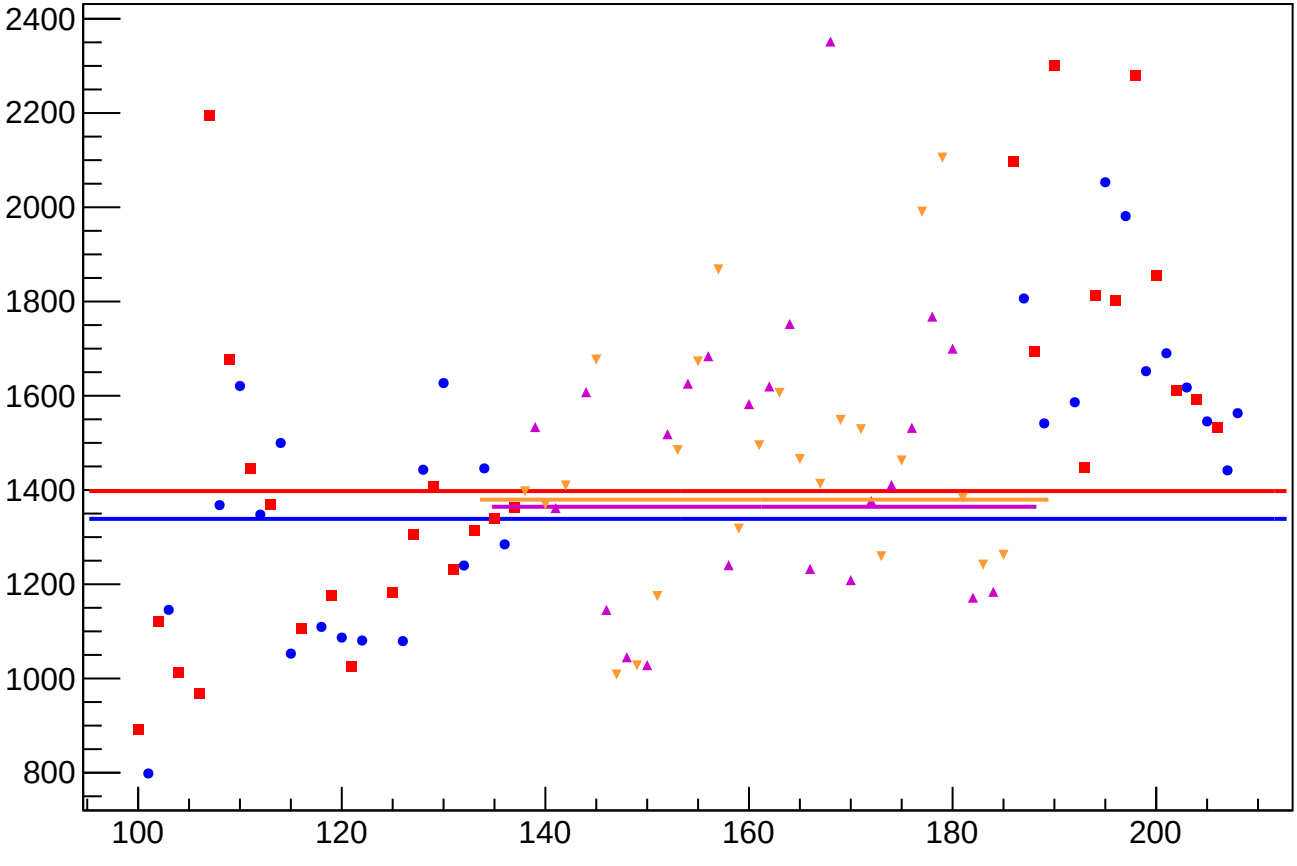
Right: -281.857+/-249.792 χ^2/NDF: 58.1/55

In: 0.154+/-237.585 χ^2/NDF:42.9/49

Out: -381.582+/-242.216 χ^2/NDF:57.5/52

All: -187.030+/-169.612 χ^2/NDF: 101.6/102

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

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

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

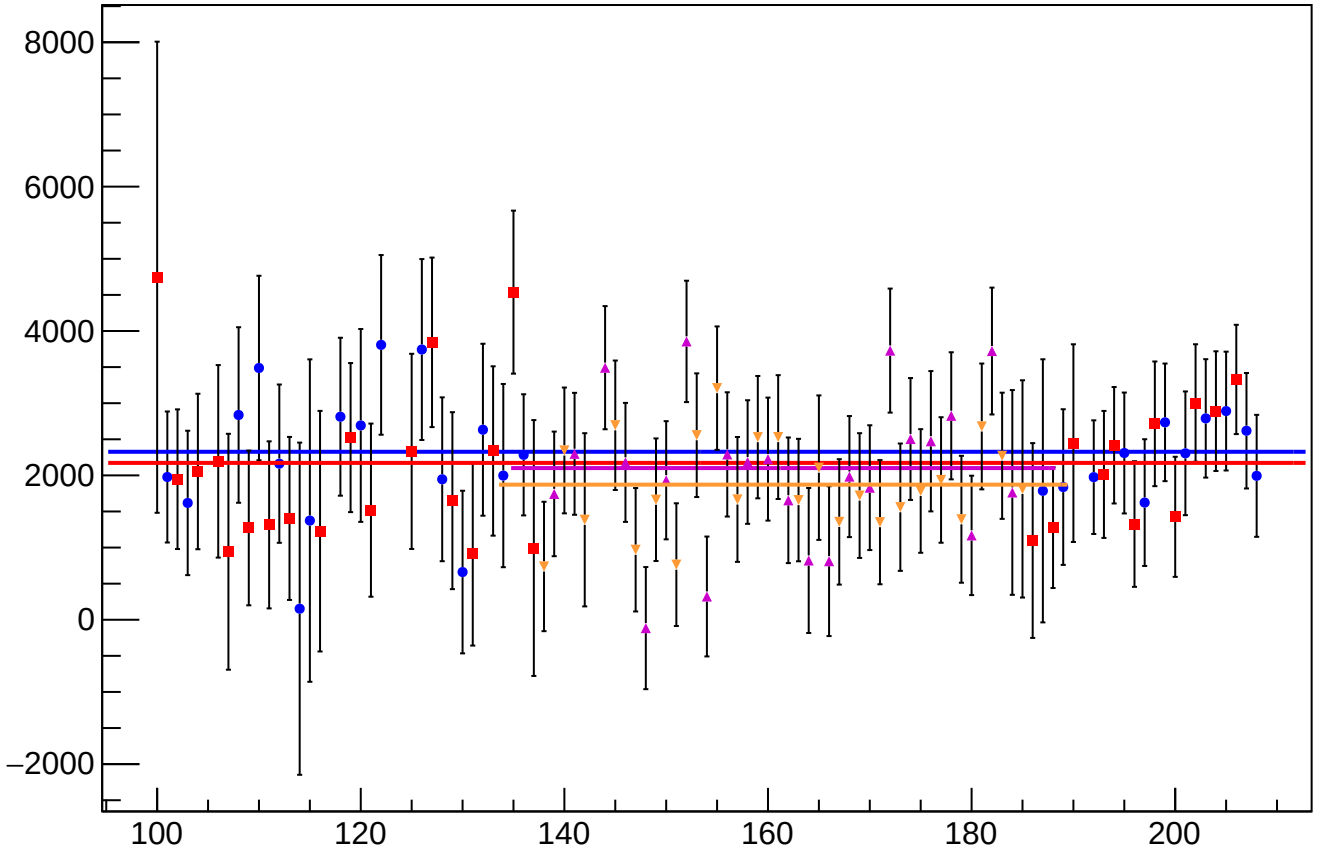
Right: 1367.194+/-0.177 χ^2/NDF: 3247671.6/55

In: 1352.386+/-0.168 χ^2/NDF:2956367.1/49

Out: 1387.790+/-0.171 χ^2/NDF:2742825.6/52

All: 1369.747+/-0.120 χ^2/NDF: 5720969.8/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2326.947+/-196.081 χ^2/NDF: 10.6/26

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

Right Out: 2172.985+/-196.472 χ^2/NDF: 20.0/28

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

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

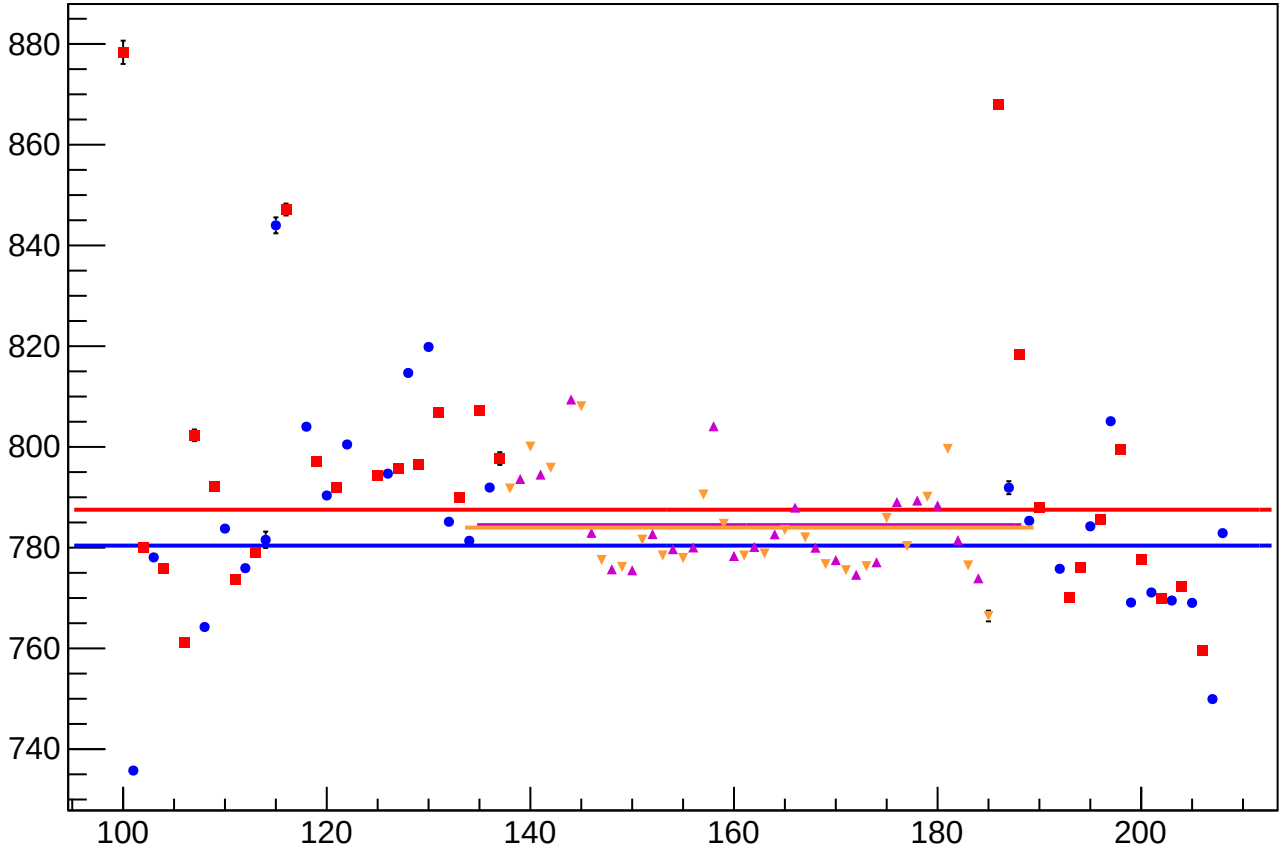
Right: 2250.119+/-138.788 χ^2/NDF: 30.9/55

In: 2206.321+/-133.856 χ^2/NDF:43.1/49

Out: 2010.688+/-133.508 χ^2/NDF:33.7/52

All: 2108.249+/-94.527 χ^2/NDF: 77.9/102

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 780.409+/-0.139 χ^2/NDF: 19477.5/26

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

Right Out: 787.533+/-0.139 χ^2/NDF: 23483.4/28

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

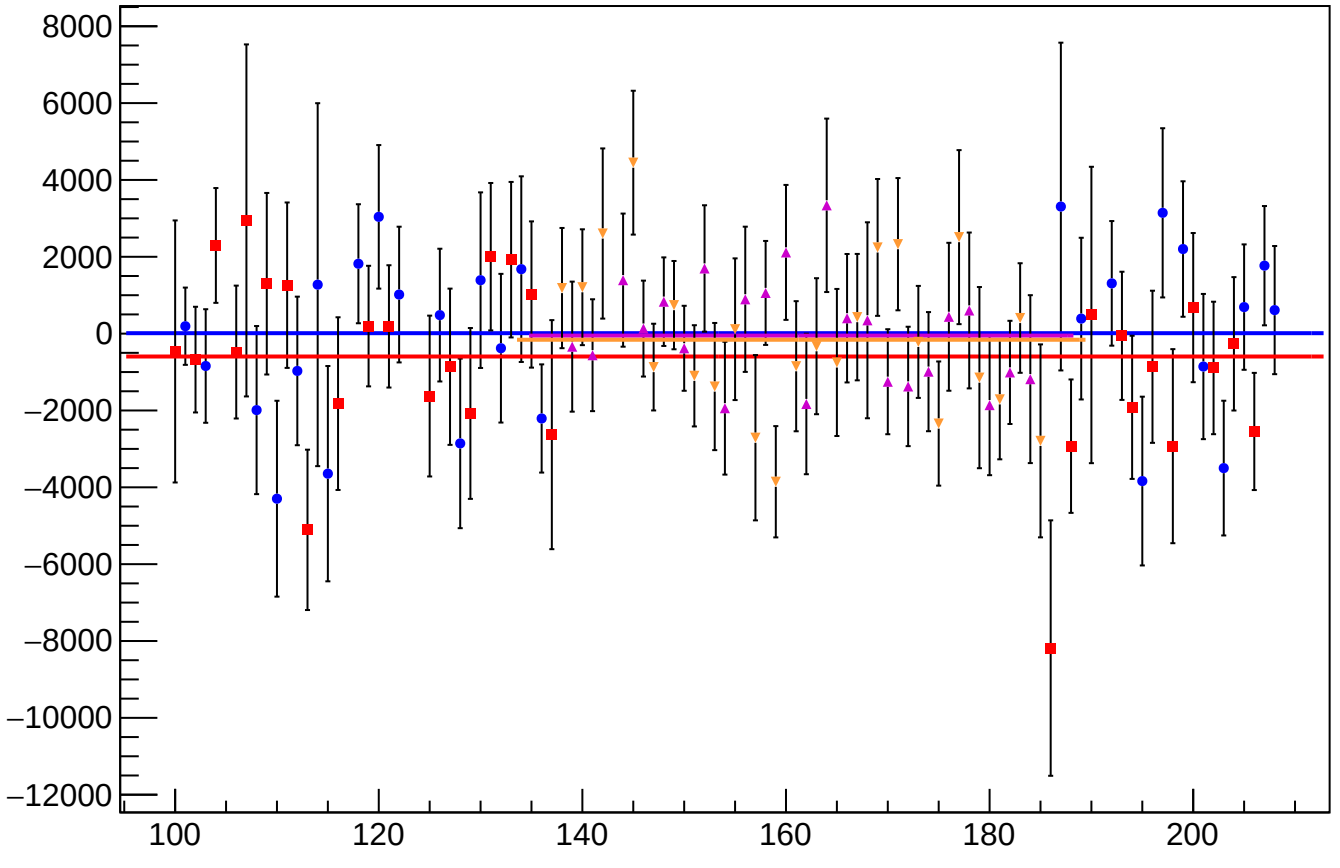
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 783.964+/-0.098 χ^2/NDF: 44278.2/55

In: 782.579+/-0.095 χ^2/NDF:24863.9/49

Out: 785.621+/-0.094 χ^2/NDF:28763.1/52

All: 784.104+/-0.067 χ^2/NDF: 54145.0/102



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: -595.415+/-363.743 χ^2/NDF: 27.2/28

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

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

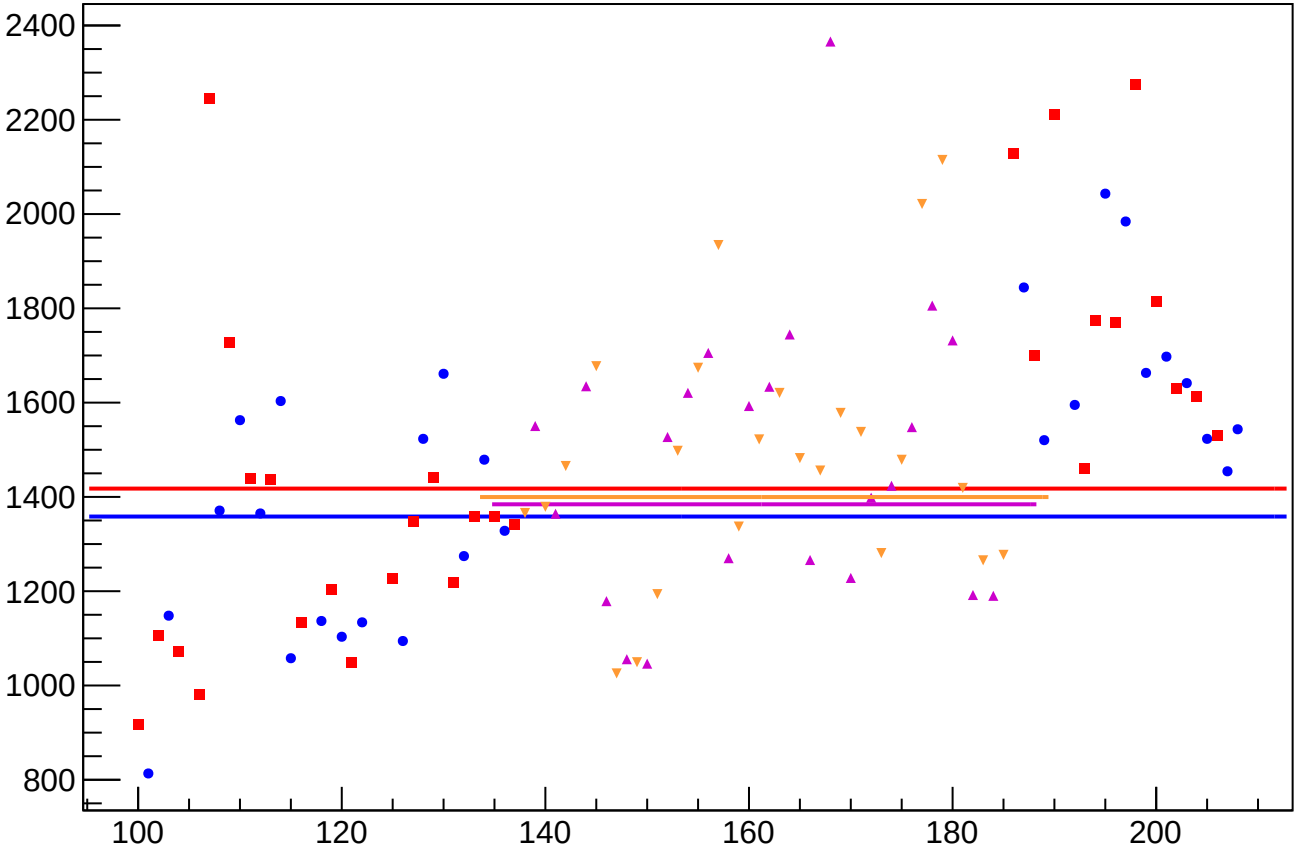
Right: -281.353+/-252.714 χ^2/NDF: 57.9/55

In: -22.117+/-240.622 χ^2/NDF:42.7/49

Out: -357.611+/-245.292 χ^2/NDF:57.1/52

All: -186.640+/-171.773 χ^2/NDF: 100.7/102

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1358.377+/-0.248 χ^2/NDF: 1547976.5/26

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

Right Out: 1417.663+/-0.257 χ^2/NDF: 1449826.6/28

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

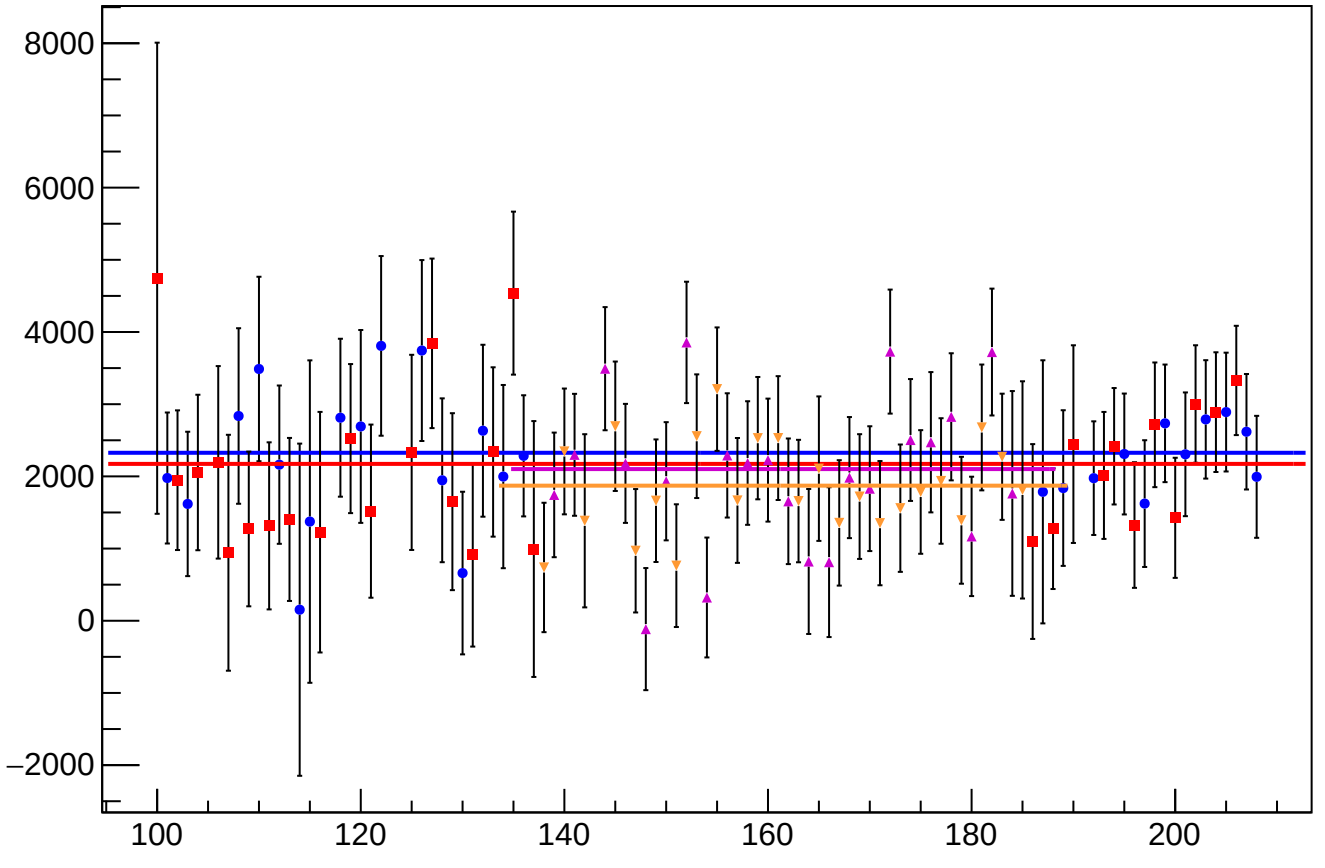
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1386.994+/-0.179 χ^2/NDF: 3025287.9/55

In: 1372.160+/-0.170 χ^2/NDF:2823708.7/49

Out: 1407.878+/-0.173 χ^2/NDF:2588831.3/52

All: 1389.676+/-0.121 χ^2/NDF: 5434150.8/10



Right In: 2326.947+/-196.081 χ^2/NDF: 10.6/26

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

Right Out: 2172.982+/-196.472 χ^2/NDF: 20.0/28

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

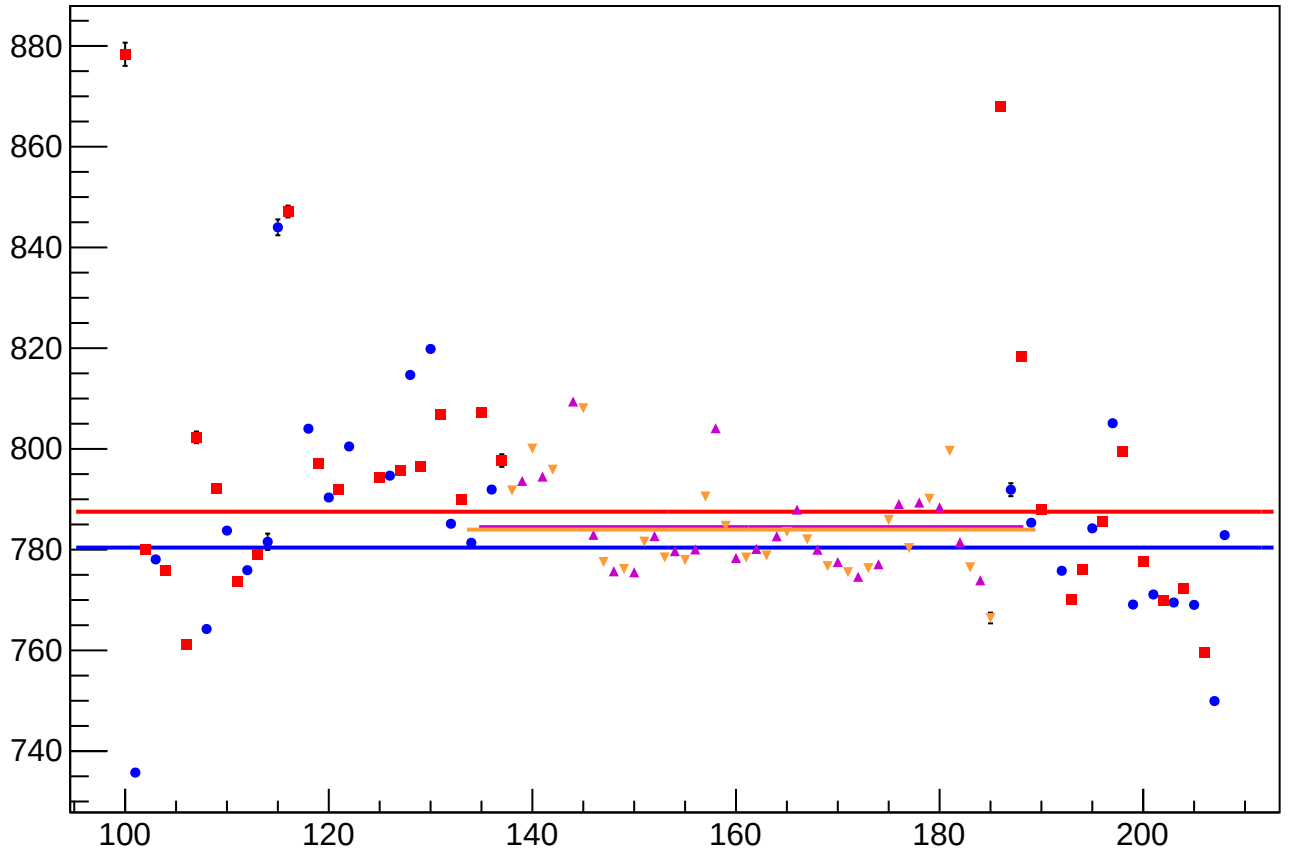
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2250.118+/-138.788 χ^2/NDF: 30.9/55

In: 2206.321+/-133.856 χ^2/NDF:43.1/49

Out: 2010.686+/-133.508 χ^2/NDF:33.7/52

All: 2108.248+/-94.527 χ^2/NDF: 77.9/102



Right In: 780.409+/-0.139 χ^2/NDF: 19477.4/26

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

Right Out: 787.533+/-0.139 χ^2/NDF: 23483.4/28

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

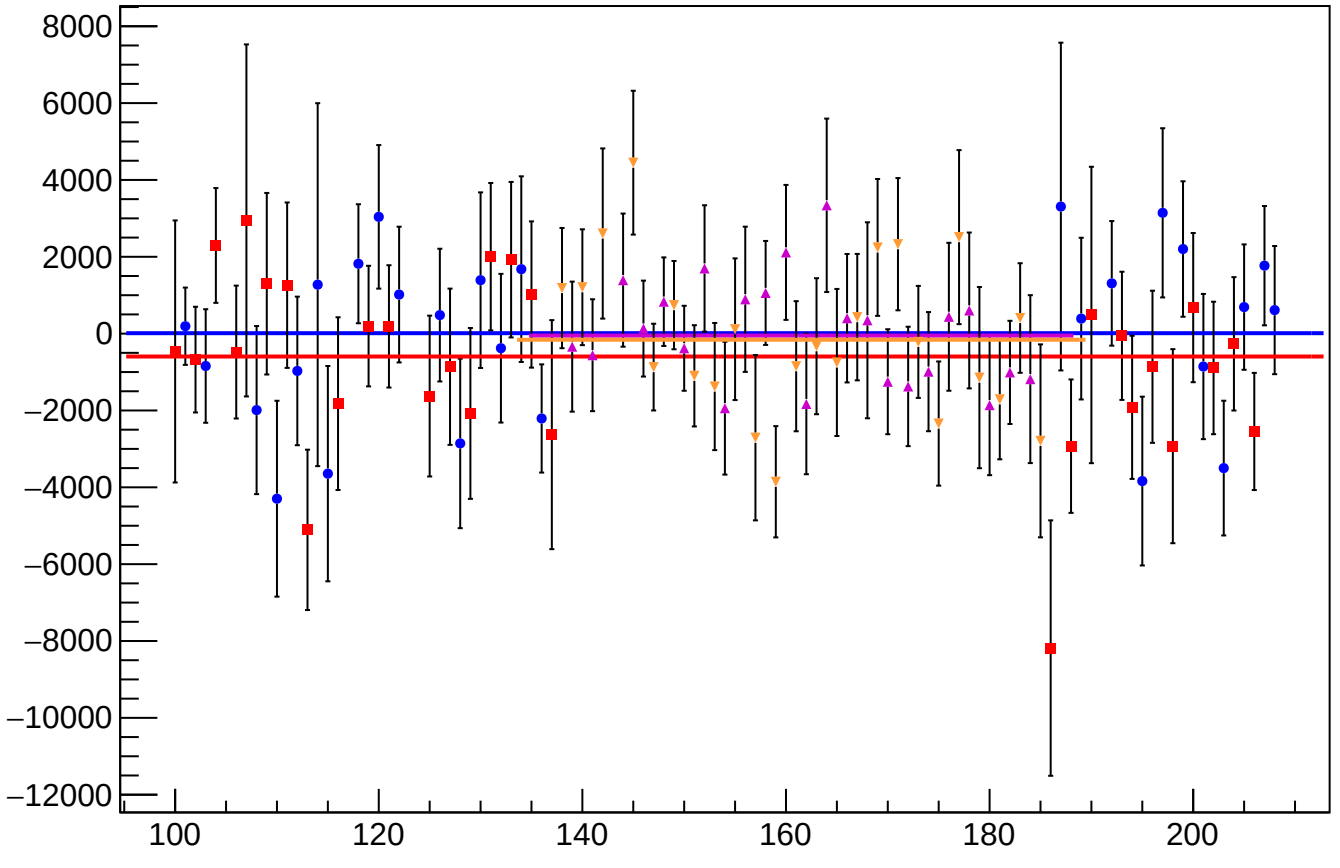
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 783.964+/-0.098 χ^2/NDF: 44278.0/55

In: 782.579+/-0.095 χ^2/NDF:24863.8/49

Out: 785.621+/-0.094 χ^2/NDF:28763.0/52

All: 784.104+/-0.067 χ^2/NDF: 54144.8/102



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: -595.412+/-363.743 χ^2/NDF: 27.2/28

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

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

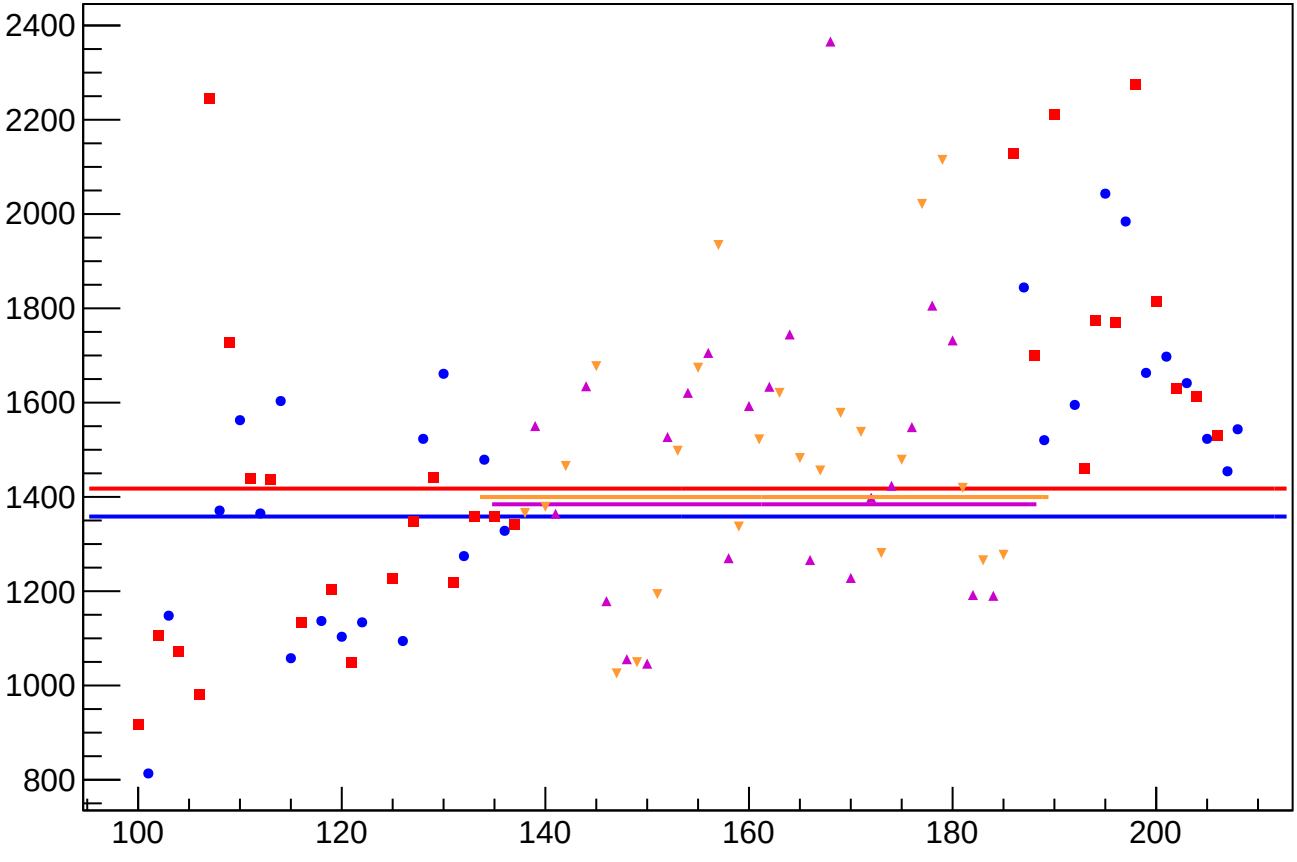
Right: -281.352+/-252.714 χ^2/NDF: 57.9/55

In: -22.117+/-240.622 χ^2/NDF:42.7/49

Out: -357.612+/-245.292 χ^2/NDF:57.1/52

All: -186.641+/-171.773 χ^2/NDF: 100.7/102

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1358.376+/-0.248 χ^2/NDF: 1547994.2/26

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

Right Out: 1417.661+/-0.257 χ^2/NDF: 1449845.2/28

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

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

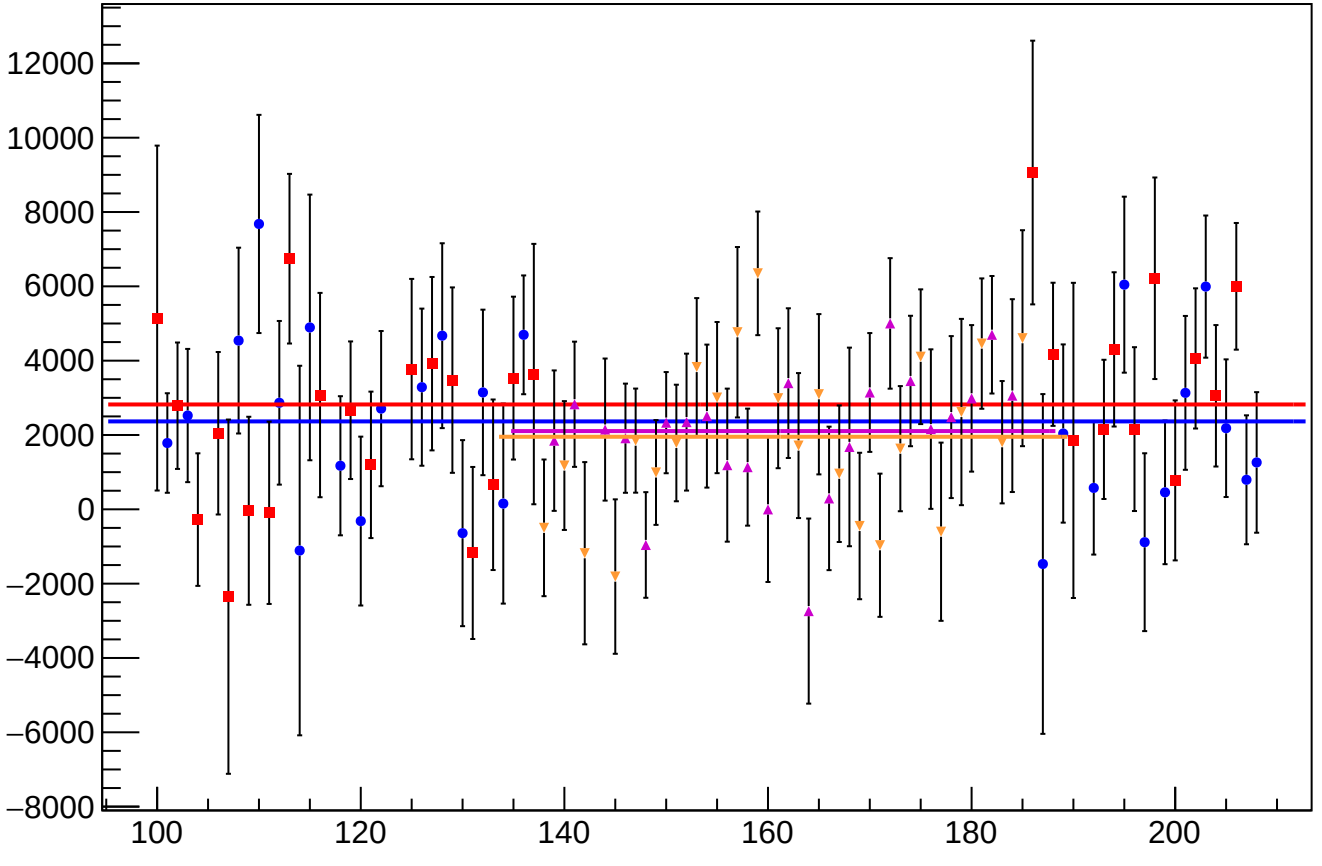
Right: 1386.992+/-0.179 χ^2/NDF: 3025323.6/55

In: 1372.161+/-0.170 χ^2/NDF:2823728.8/49

Out: 1407.879+/-0.173 χ^2/NDF:2588849.6/52

All: 1389.677+/-0.121 χ^2/NDF: 5434188.9/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

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

Right Out: 2821.570+/-418.229 χ^2/NDF: 26.1/28

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

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

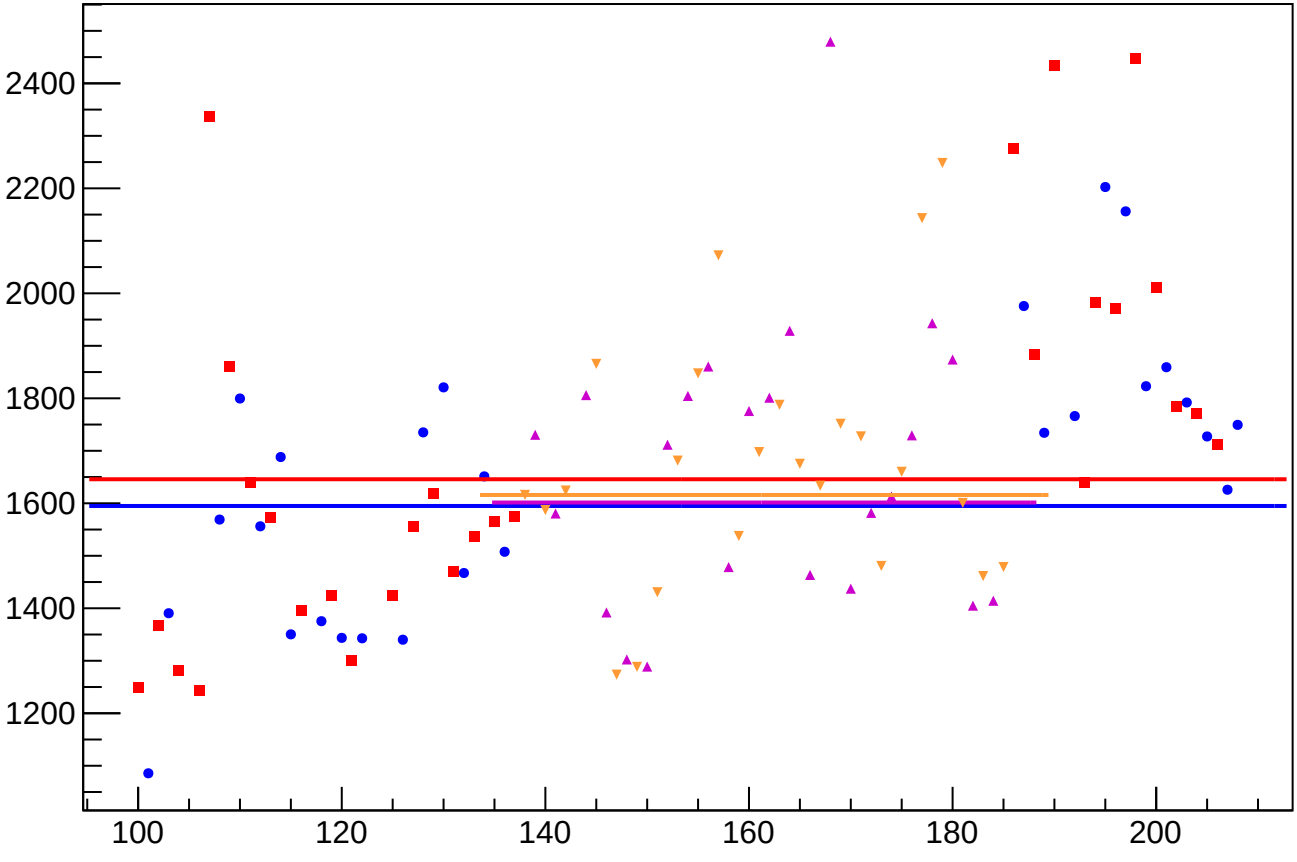
Right: 2587.785+/-291.920 χ^2/NDF: 51.1/55

In: 2226.098+/-277.589 χ^2/NDF:43.2/49

Out: 2345.762+/-281.356 χ^2/NDF:55.9/52

All: 2285.124+/-197.604 χ^2/NDF: 99.1/102

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

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

Right Out: 1645.799+/-0.296 χ^2/NDF: 935970.0/28

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

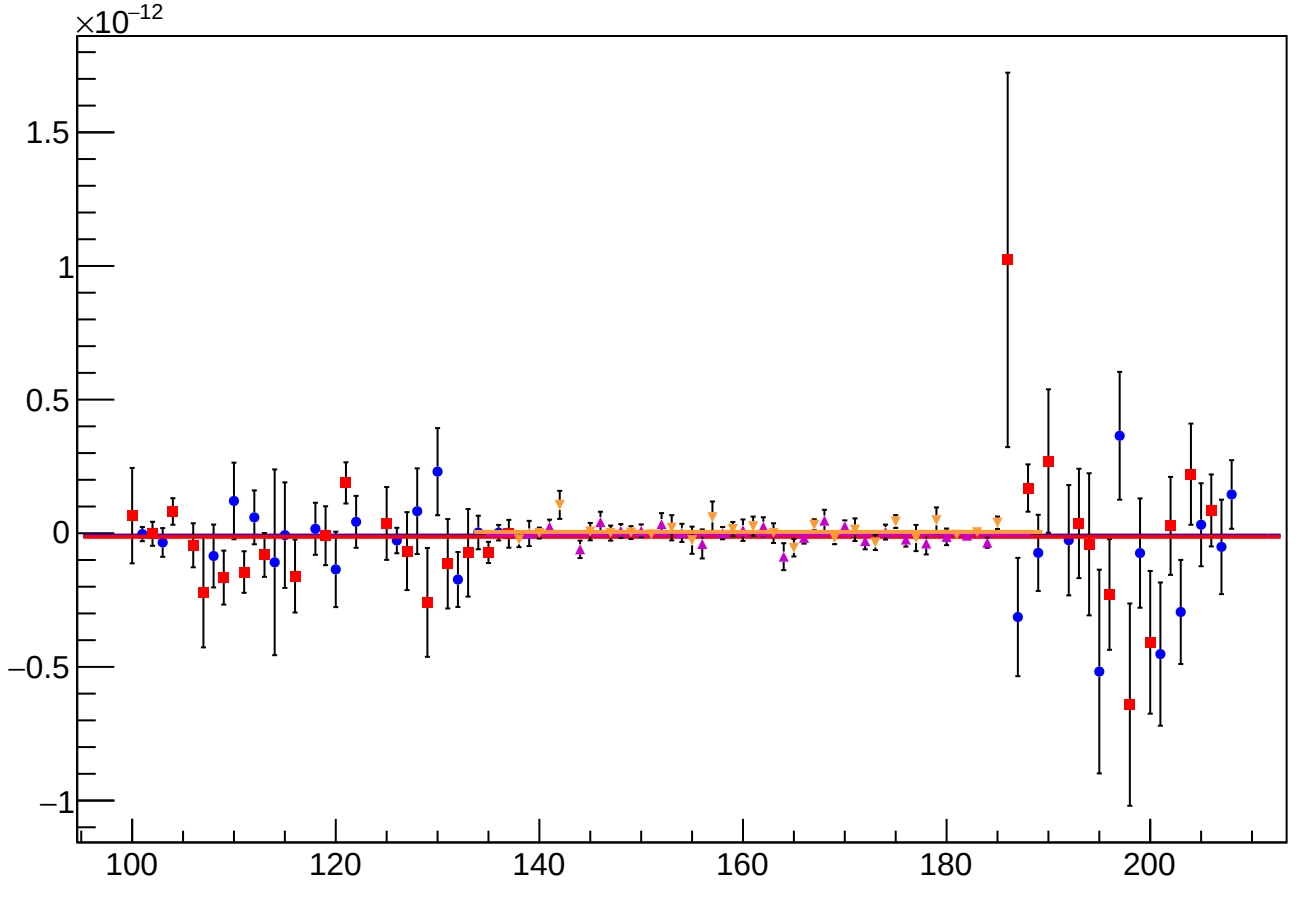
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1619.694+/-0.206 χ^2/NDF: 1819747.3/55

In: 1598.435+/-0.196 χ^2/NDF:1662587.4/49

Out: 1629.406+/-0.199 χ^2/NDF:1635936.2/52

All: 1613.712+/-0.140 χ^2/NDF: 3310803.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/28

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

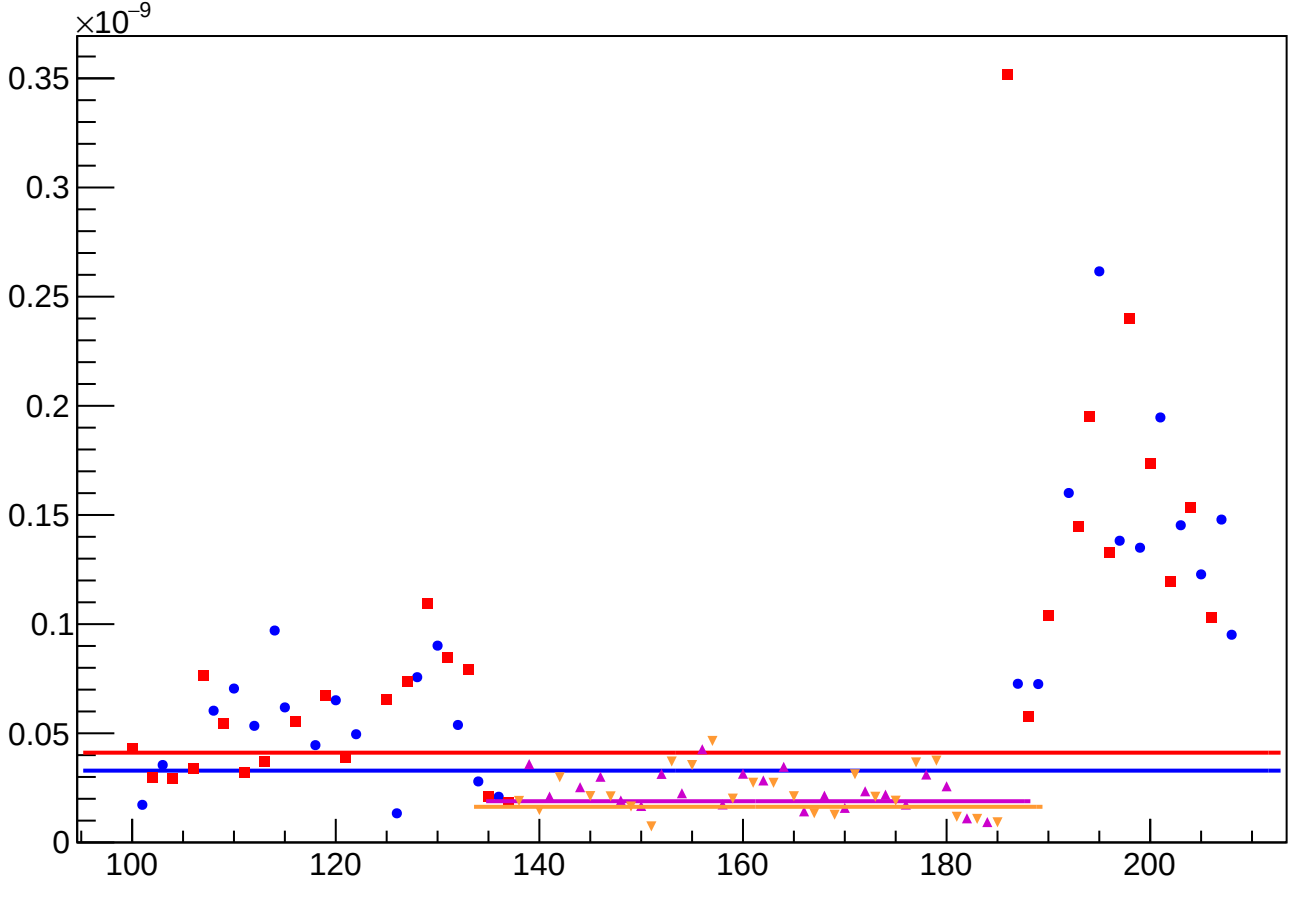
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 60.6/55

In: -0.000+/-0.000 χ^2/NDF:40.9/49

Out: 0.000+/-0.000 χ^2/NDF:61.1/52

All: -0.000+/-0.000 χ^2/NDF: 103.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 8470733.2/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6731799.4/28

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

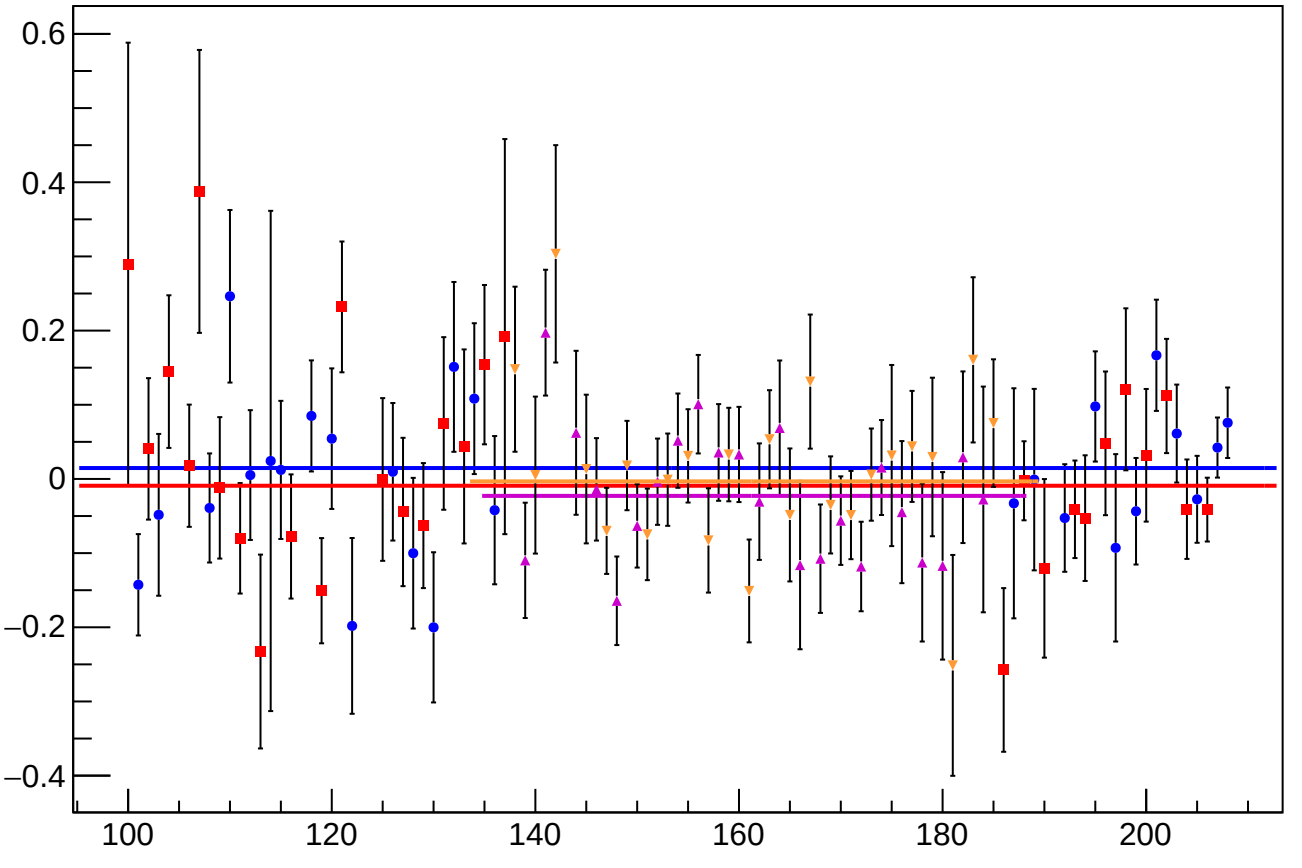
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

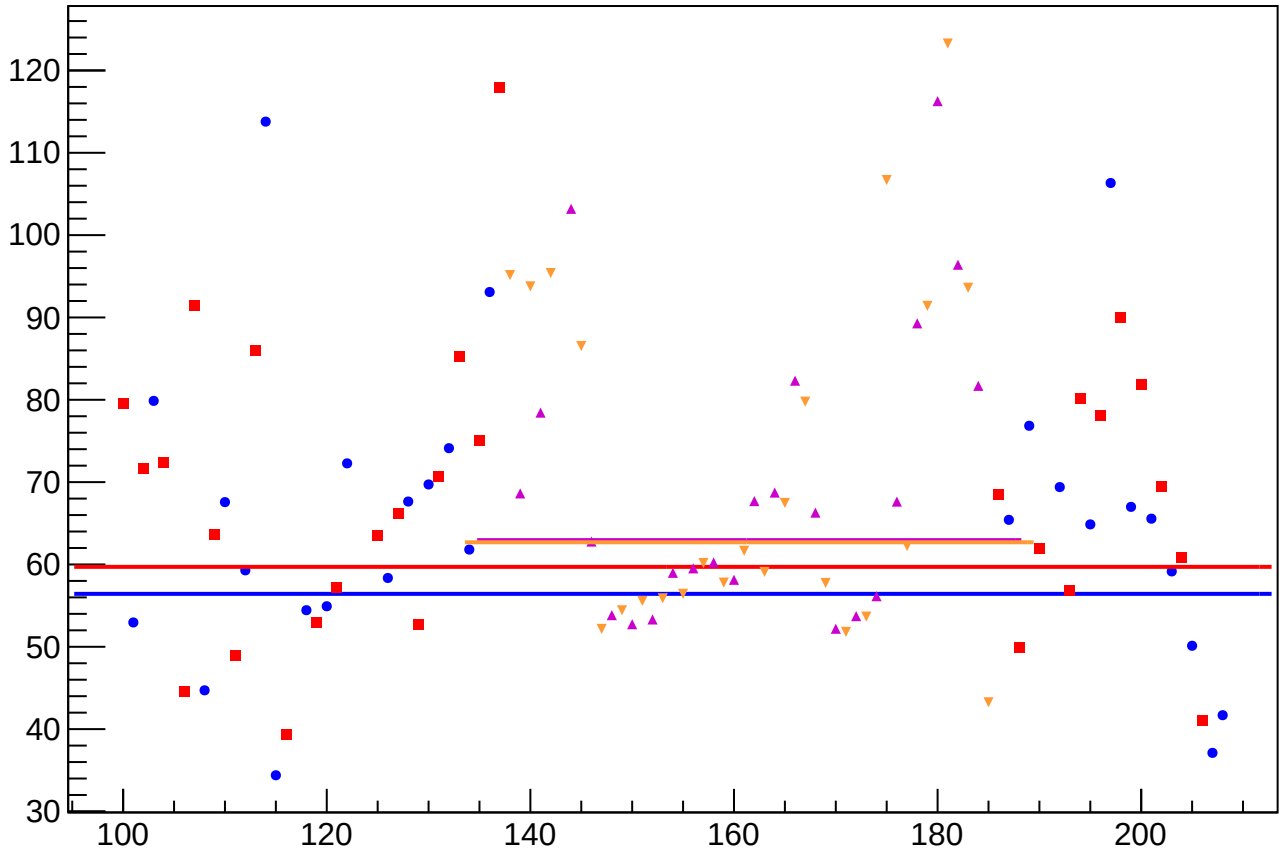
Right: 0.000+/-0.000 χ^2/NDF: 15466799.3/55

In: 0.000+/-0.000 χ^2/NDF:13308808.5/49

Out: 0.000+/-0.000 χ^2/NDF:14769313.6/52

All: 0.000+/-0.000 χ^2/NDF: 28272252.1/102


asym_us_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.009+/-0.016 χ²/NDF: 39.7/28
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.003+/-0.011 χ²/NDF: 74.5/55
In: -0.004+/-0.011 χ²/NDF:65.6/49
Out: -0.006+/-0.011 χ²/NDF:65.6/52
All: -0.005+/-0.008 χ²/NDF: 131.2/102



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

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

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

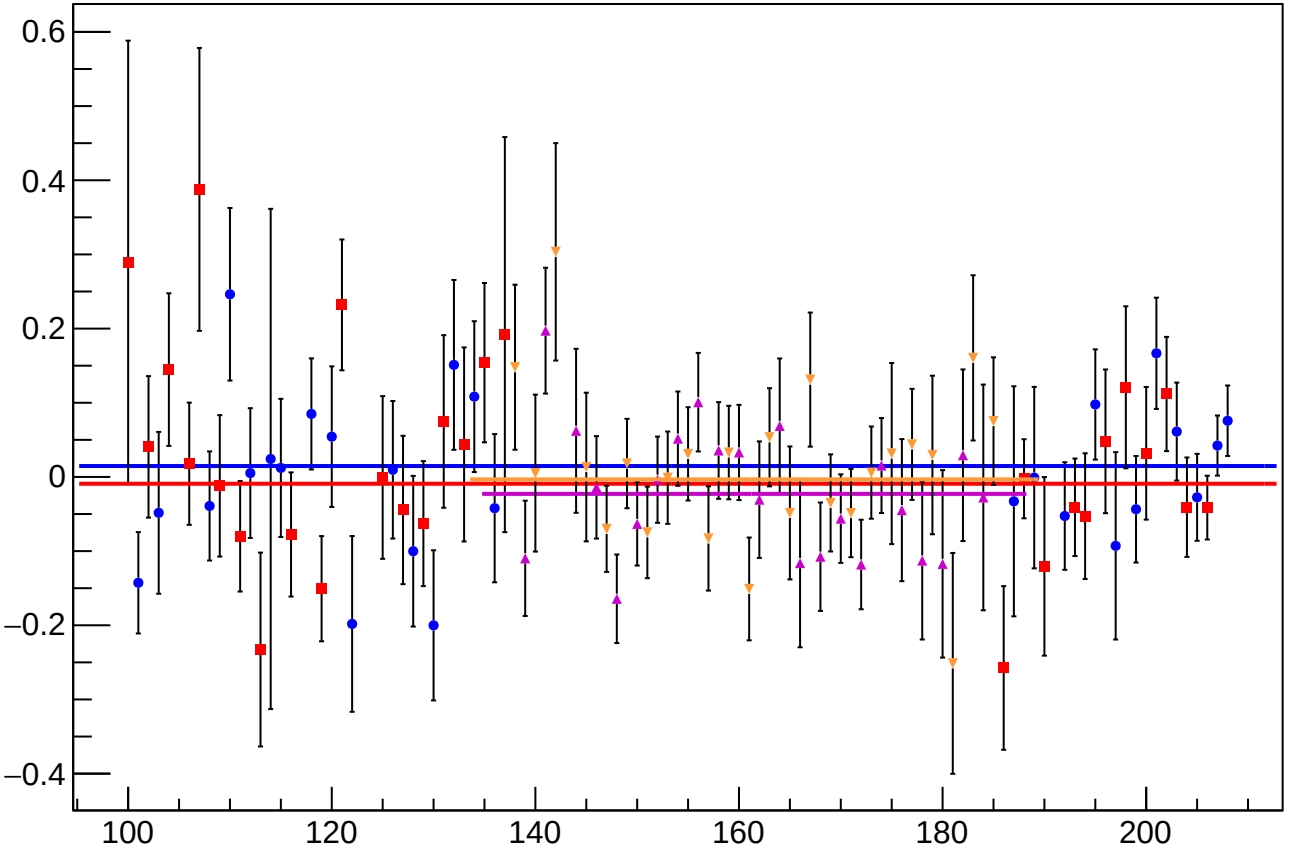
Right: 57.997+/-0.008 χ^2/NDF: 3685201.7/55

In: 59.662+/-0.008 χ^2/NDF:3578794.2/49

Out: 61.253+/-0.008 χ^2/NDF:3647501.9/52

All: 60.441+/-0.006 χ^2/NDF: 7247129.1/102

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

Right Out: -0.009+/-0.016 χ^2/NDF: 39.7/28

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

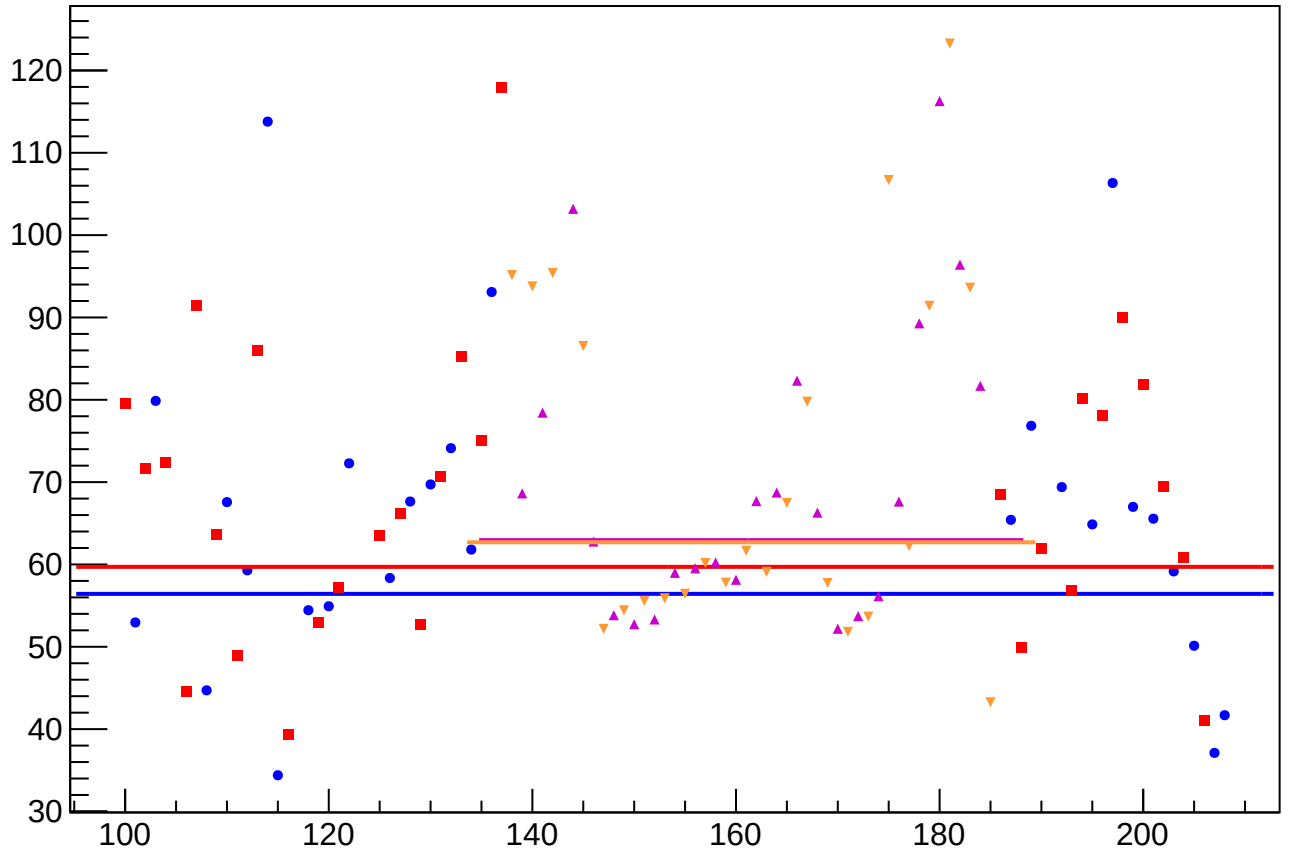
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.003+/-0.011 χ^2/NDF: 74.5/55

In: -0.004+/-0.011 χ^2/NDF:65.6/49

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.005+/-0.008 χ^2/NDF: 131.2/102



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

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

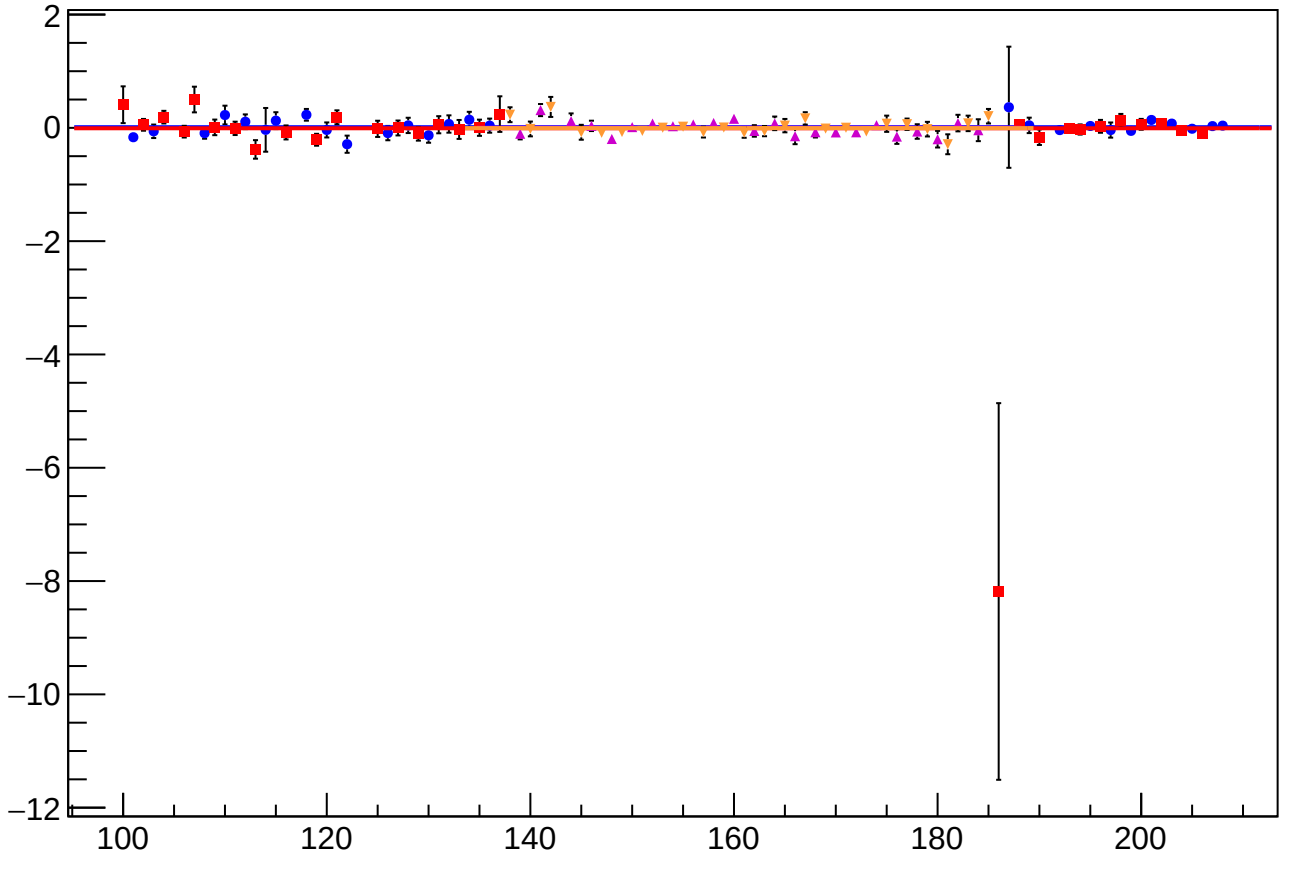
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 57.997+/-0.008 χ^2/NDF: 3685201.7/55

In: 59.662+/-0.008 χ^2/NDF:3578794.2/49

Out: 61.253+/-0.008 χ^2/NDF:3647501.9/52

All: 60.441+/-0.006 χ^2/NDF: 7247129.1/102



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: -0.007+/-0.020 χ^2/NDF: 38.0/28

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

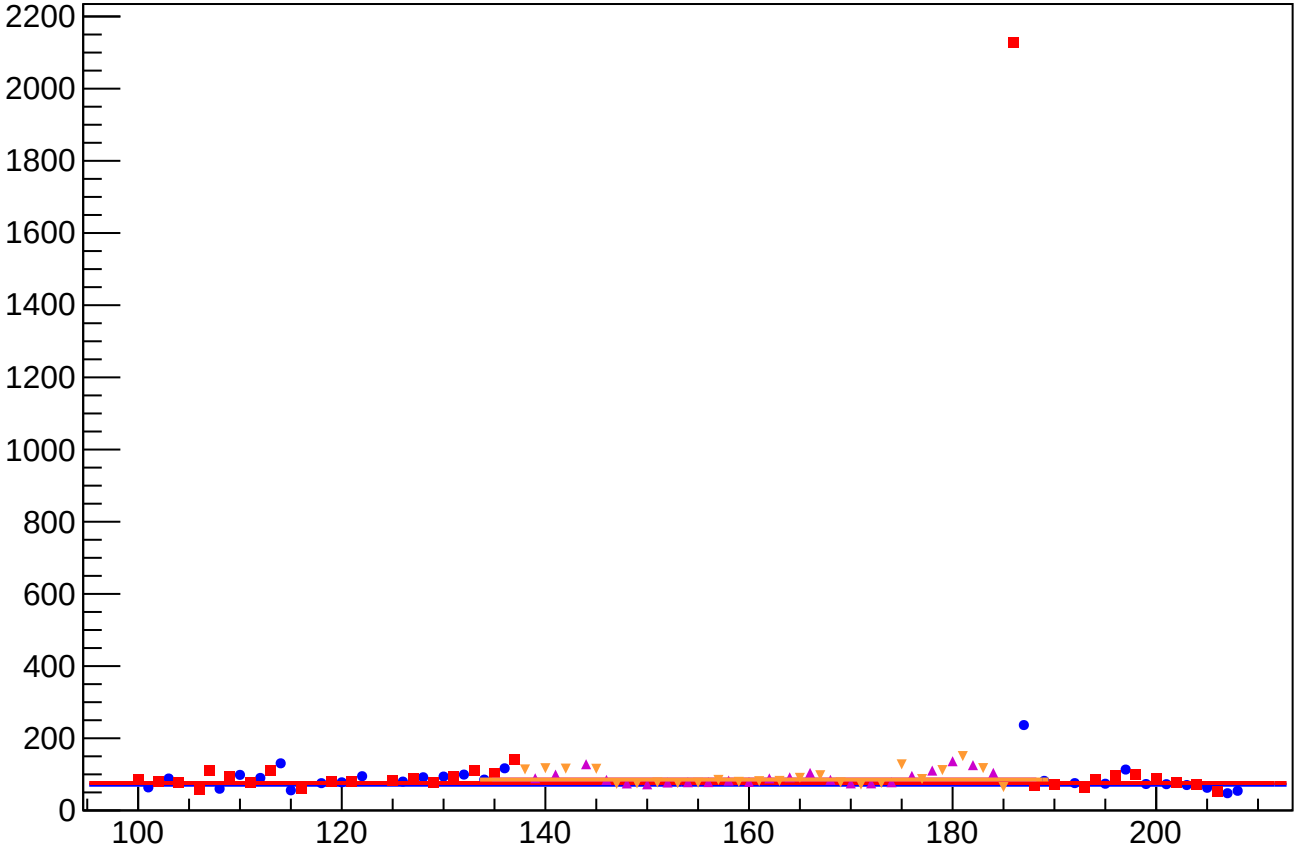
Right: 0.003+/-0.014 χ^2/NDF: 64.2/55

In: 0.007+/-0.014 χ^2/NDF:56.4/49

Out: -0.006+/-0.014 χ^2/NDF:59.4/52

All: 0.001+/-0.010 χ^2/NDF: 116.2/102

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.298+/-0.014 χ^2/NDF: 1639888.4/26

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

Right Out: 76.056+/-0.014 χ^2/NDF: 1951305.4/28

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

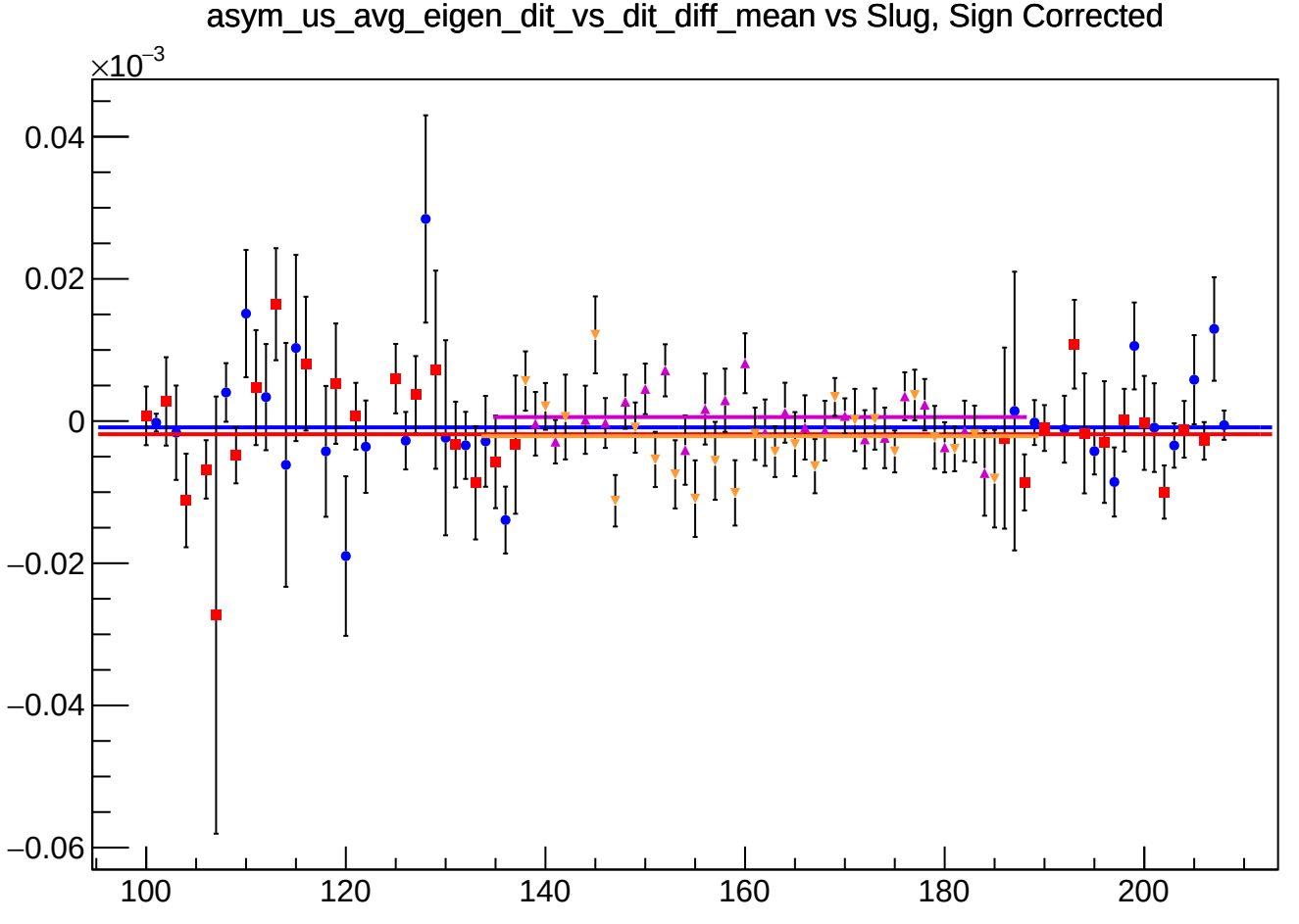
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 73.544+/-0.010 χ^2/NDF: 3649544.4/55

In: 77.933+/-0.010 χ^2/NDF:3156737.7/49

Out: 80.751+/-0.010 χ^2/NDF:3523846.0/52

All: 79.301+/-0.007 χ^2/NDF: 6719628.9/102



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/28

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

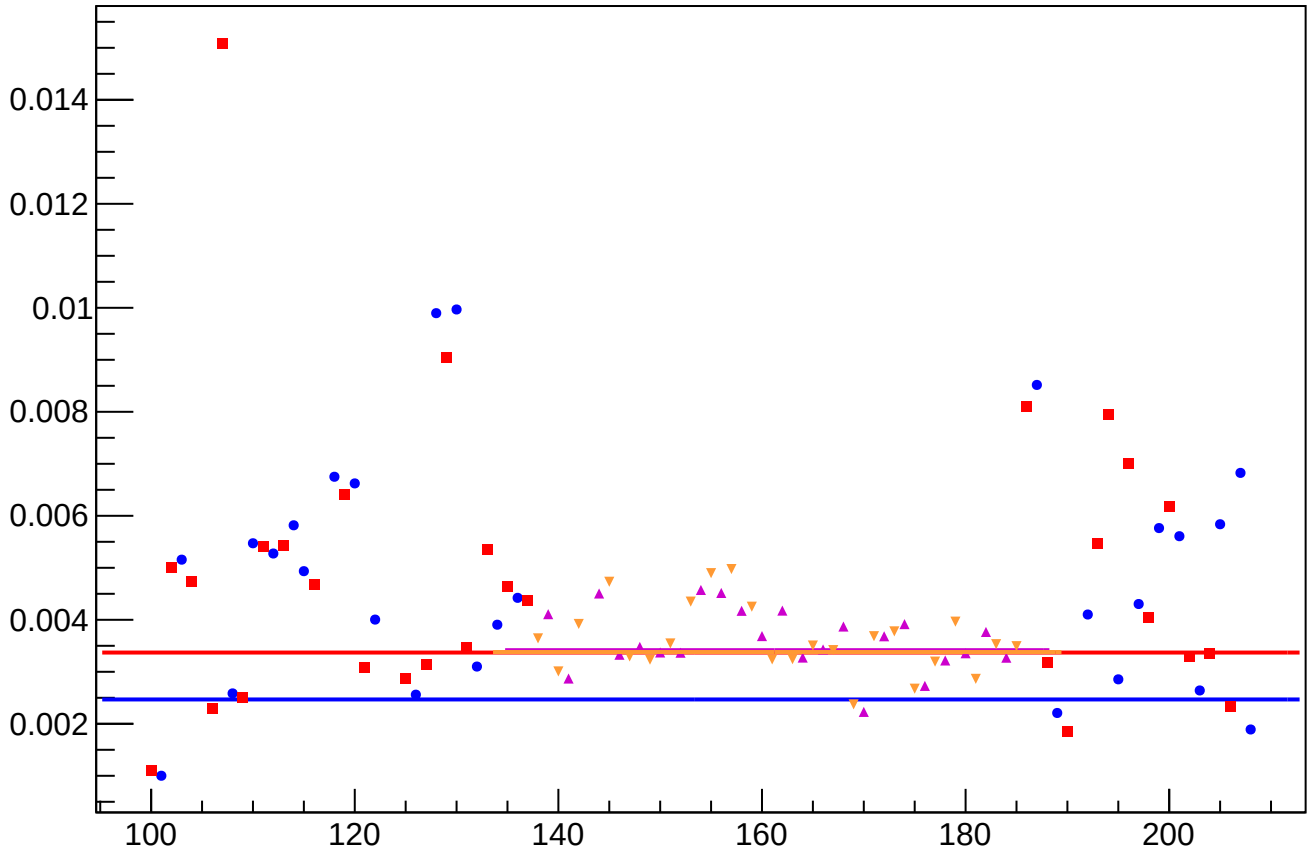
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

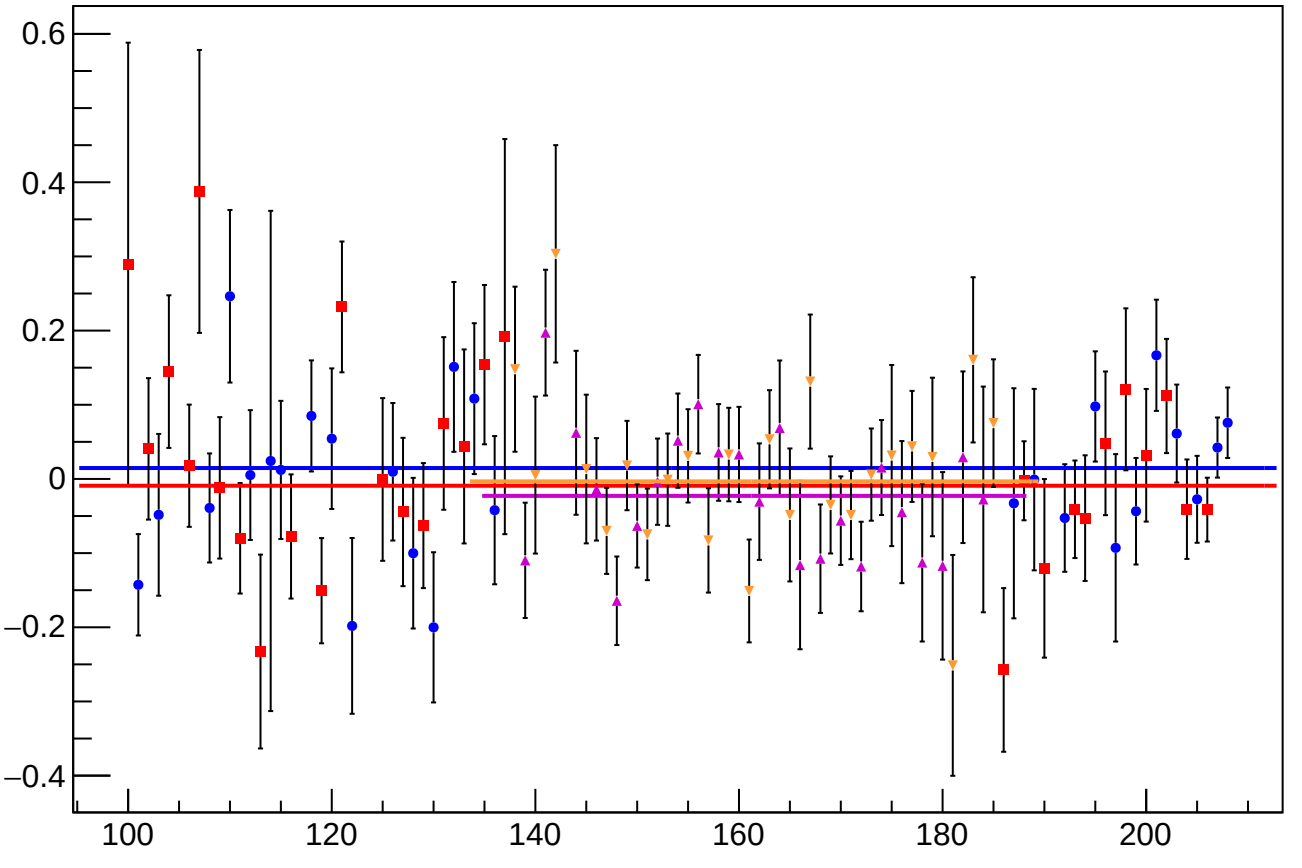
Right: -0.000+/-0.000 χ^2/NDF: 65.8/55

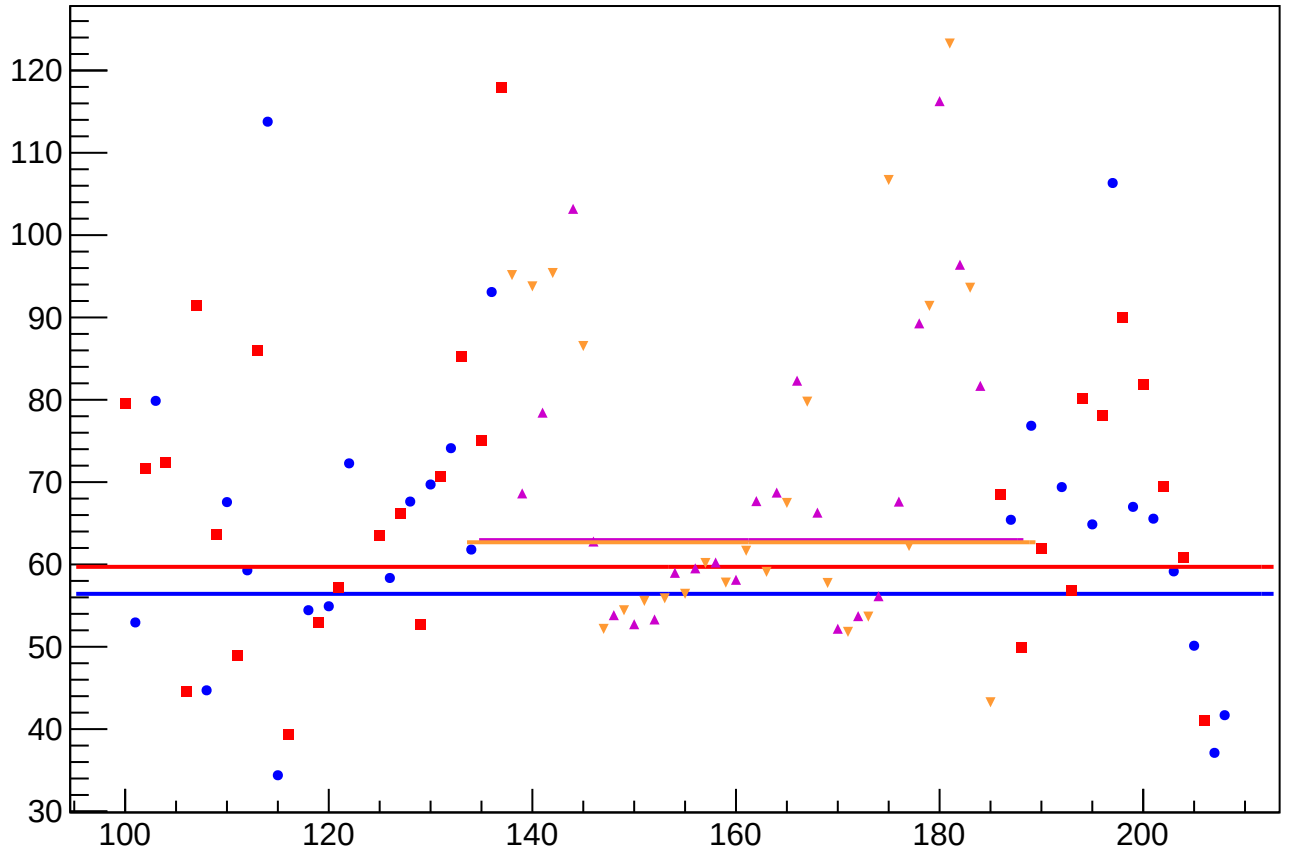
In: -0.000+/-0.000 χ^2/NDF:52.2/49

Out: -0.000+/-0.000 χ^2/NDF:68.8/52

All: -0.000+/-0.000 χ^2/NDF: 125.6/102


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 9433158.9/26
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 5104472.1/28
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.003+/-0.000 χ²/NDF: 15603538.5/55
In: 0.003+/-0.000 χ²/NDF:12039027.6/49
Out: 0.003+/-0.000 χ²/NDF:6300243.5/52
All: 0.003+/-0.000 χ²/NDF: 18957202.0/102


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.009+/-0.016 χ²/NDF: 39.7/28
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.003+/-0.011 χ²/NDF: 74.5/55
In: -0.004+/-0.011 χ²/NDF:65.6/49
Out: -0.006+/-0.011 χ²/NDF:65.6/52
All: -0.005+/-0.008 χ²/NDF: 131.2/102



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

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

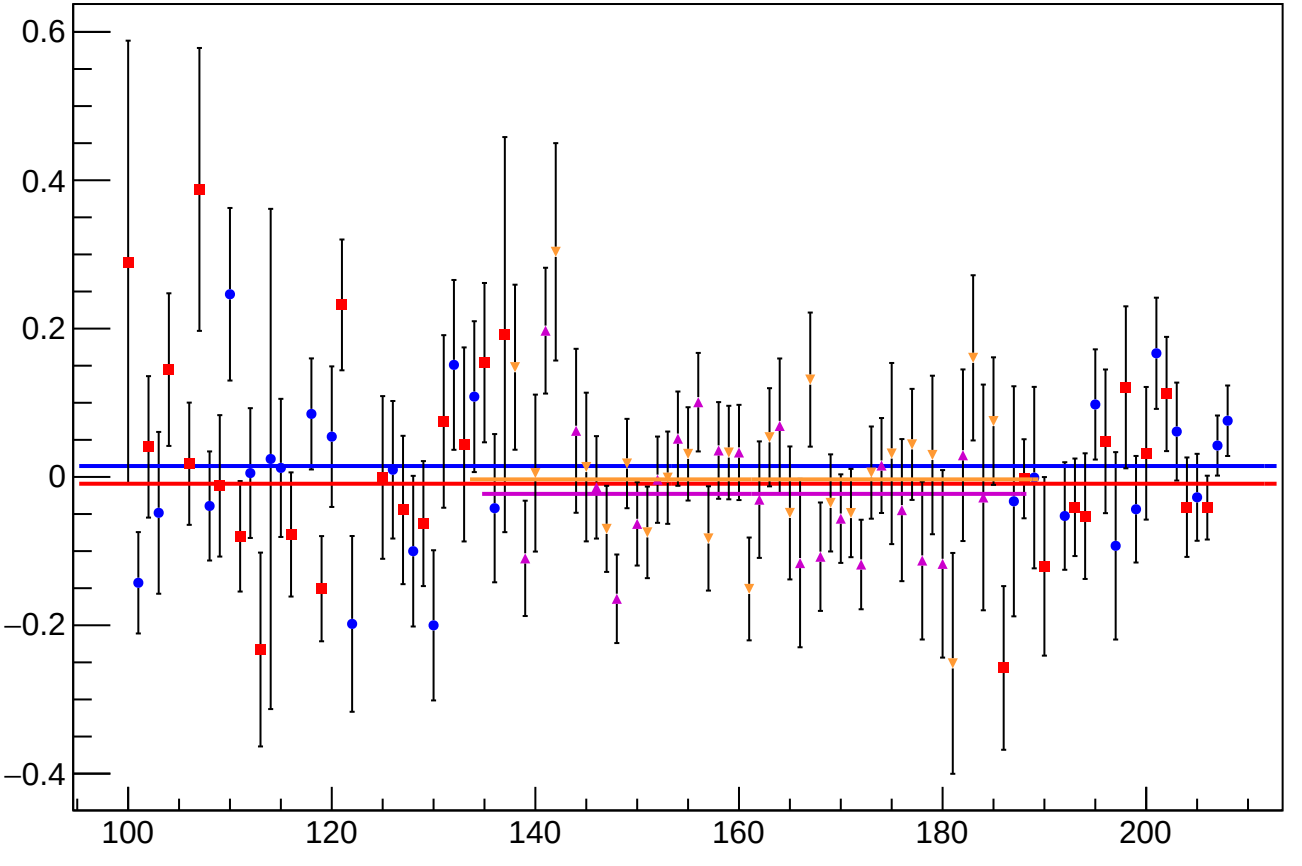
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 57.997+/-0.008 χ^2/NDF: 3684885.1/55

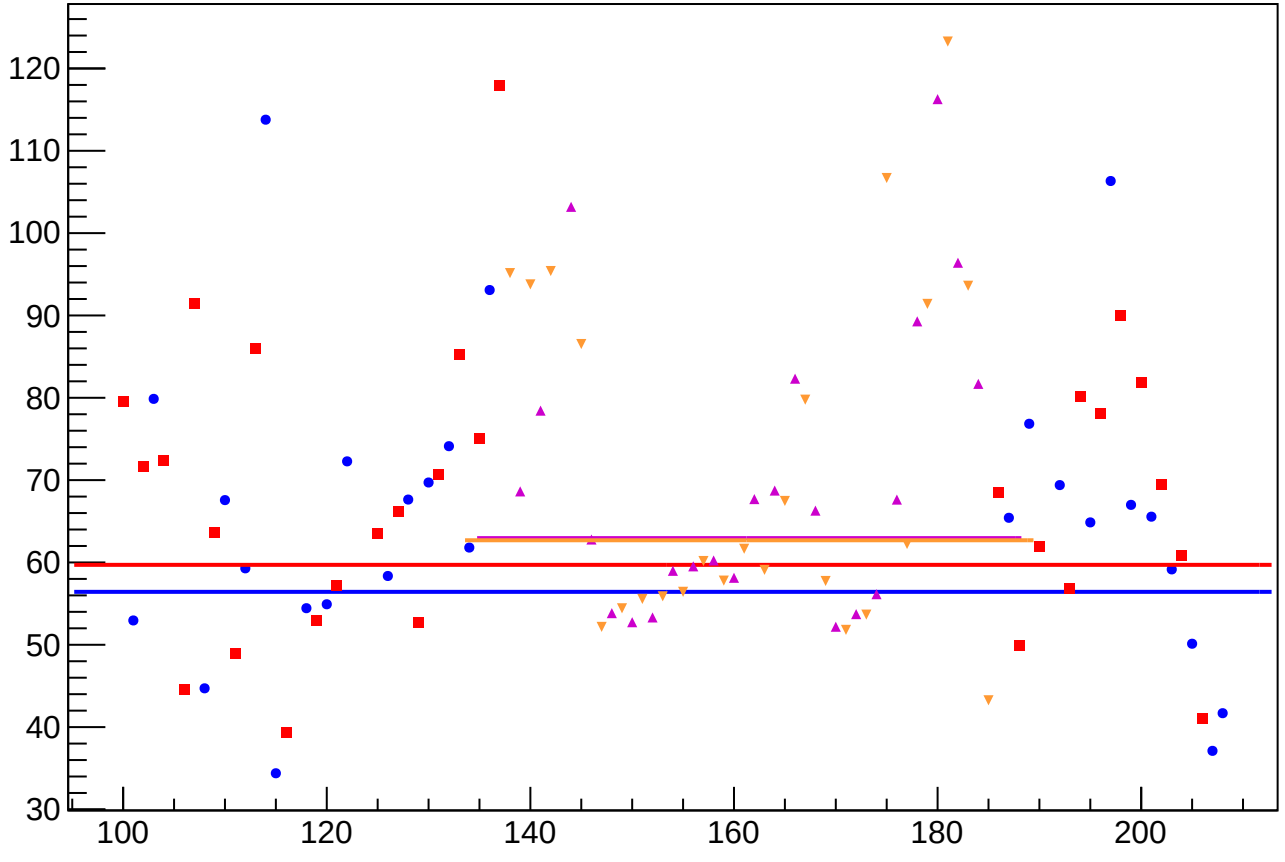
In: 59.663+/-0.008 χ^2/NDF:3578633.1/49

Out: 61.253+/-0.008 χ^2/NDF:3647346.3/52

All: 60.441+/-0.006 χ^2/NDF: 7246806.3/102


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.009+/-0.016 χ²/NDF: 39.7/28
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.003+/-0.011 χ²/NDF: 74.5/55
In: -0.004+/-0.011 χ²/NDF:65.6/49
Out: -0.006+/-0.011 χ²/NDF:65.6/52
All: -0.005+/-0.008 χ²/NDF: 131.2/102

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

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

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

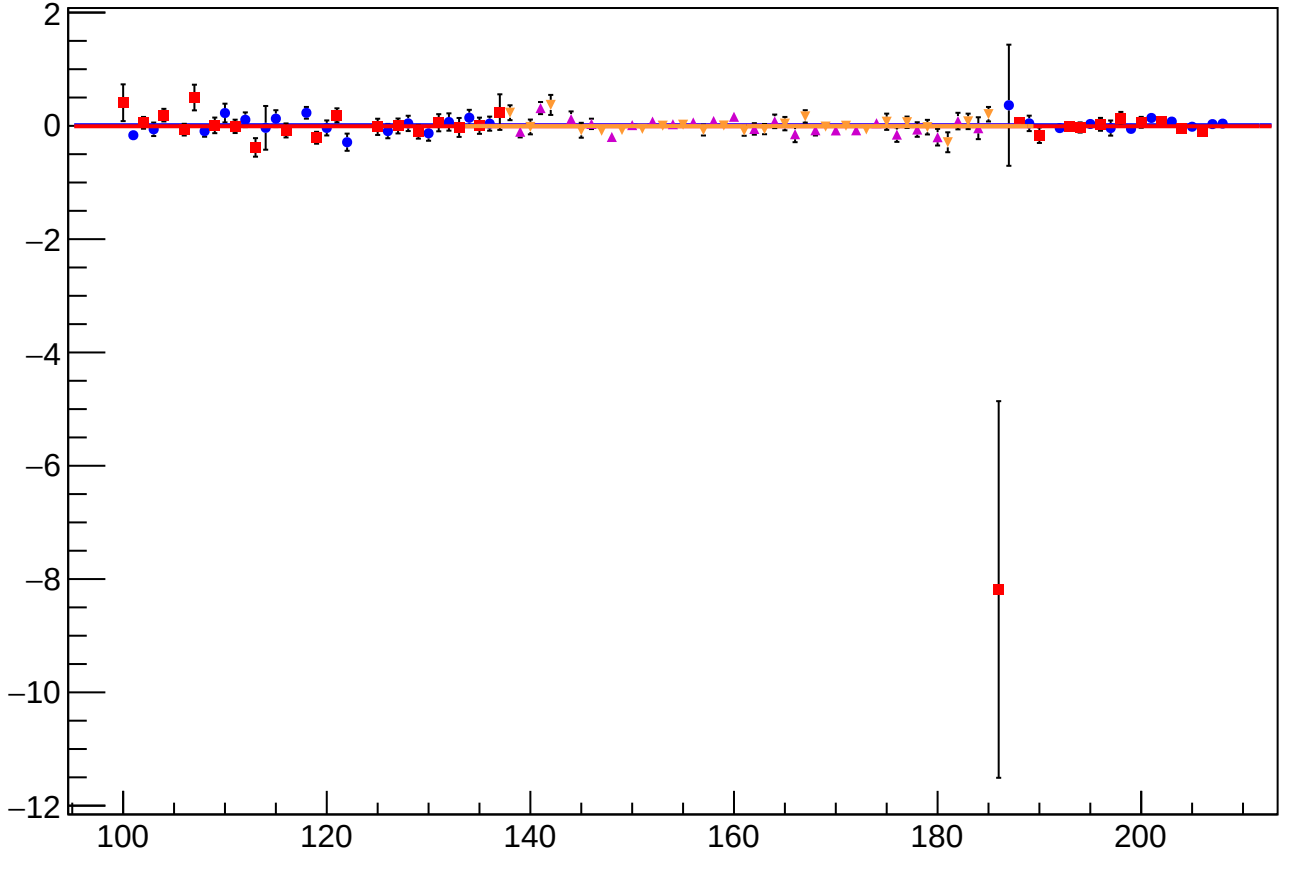
Right: 57.997+/-0.008 χ^2/NDF: 3684885.1/55

In: 59.663+/-0.008 χ^2/NDF:3578633.1/49

Out: 61.253+/-0.008 χ^2/NDF:3647346.3/52

All: 60.441+/-0.006 χ^2/NDF: 7246806.3/102

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: -0.007+/-0.020 χ^2/NDF: 38.0/28

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

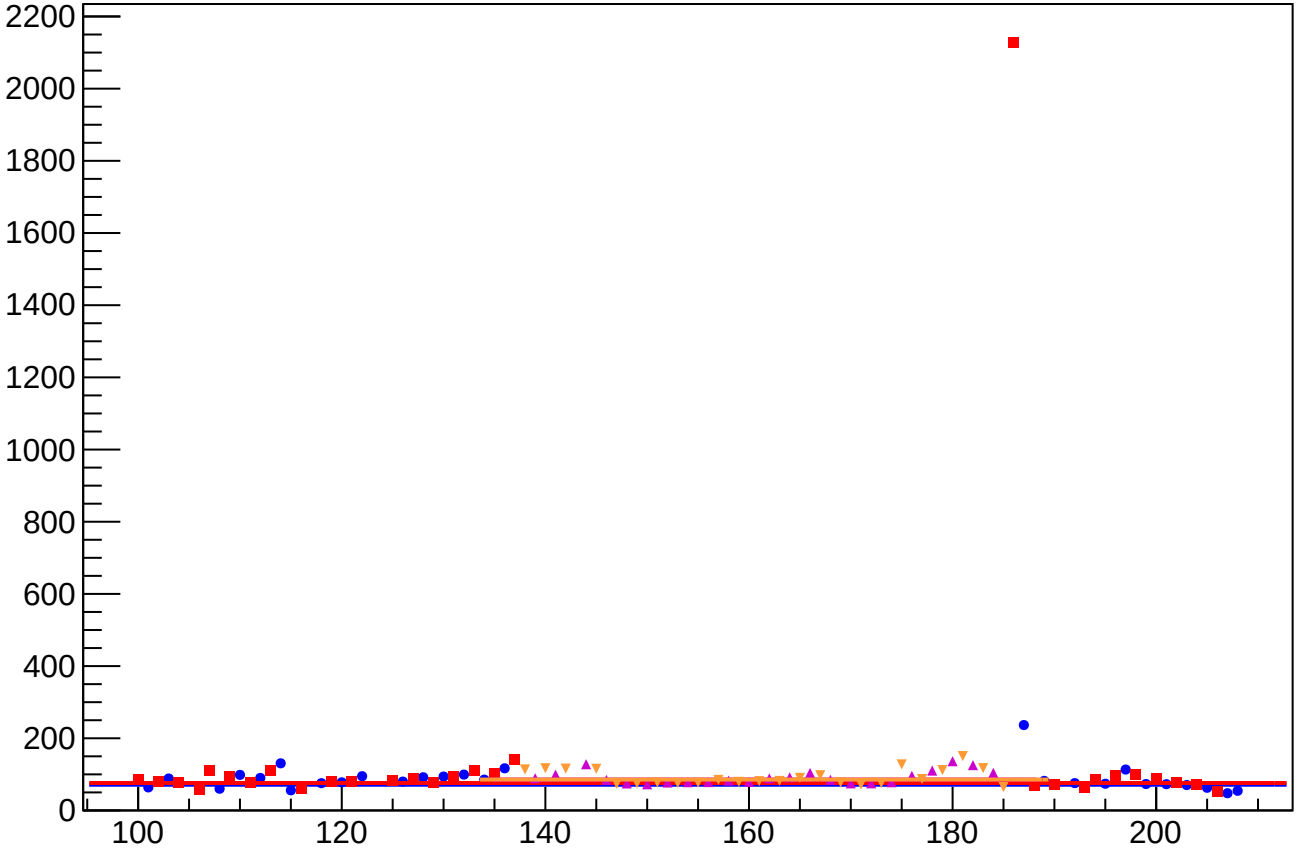
Right: 0.003+/-0.014 χ^2/NDF: 64.2/55

In: 0.007+/-0.014 χ^2/NDF:56.4/49

Out: -0.006+/-0.014 χ^2/NDF:59.4/52

All: 0.001+/-0.010 χ^2/NDF: 116.2/102

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.298+/-0.014 χ^2/NDF: 1639760.4/26

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

Right Out: 76.056+/-0.014 χ^2/NDF: 1951210.3/28

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

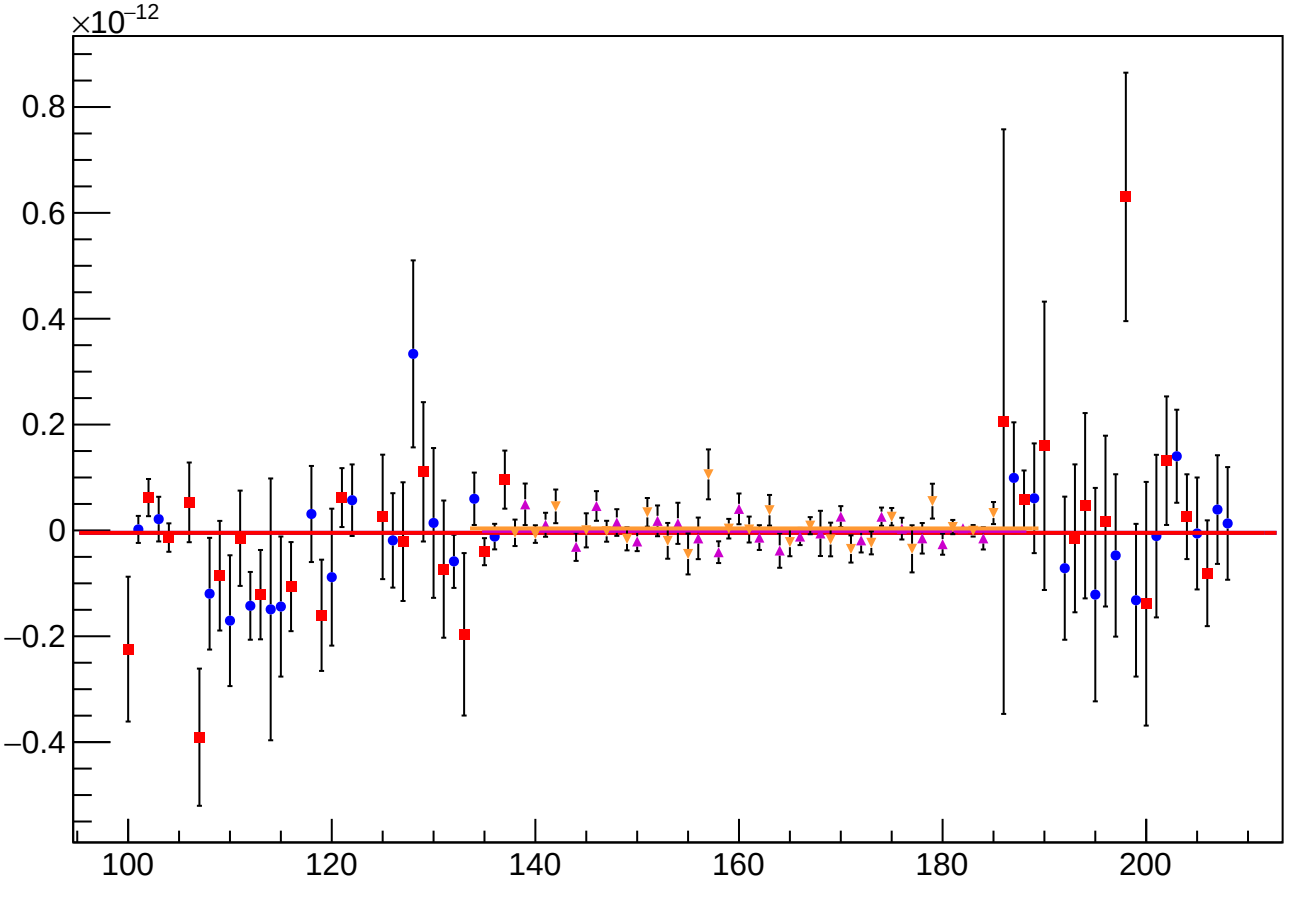
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 73.544+/-0.010 χ^2/NDF: 3649310.6/55

In: 77.934+/-0.010 χ^2/NDF:3156598.9/49

Out: 80.751+/-0.010 χ^2/NDF:3523765.6/52

All: 79.301+/-0.007 χ^2/NDF: 6719403.8/102



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.9/28

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

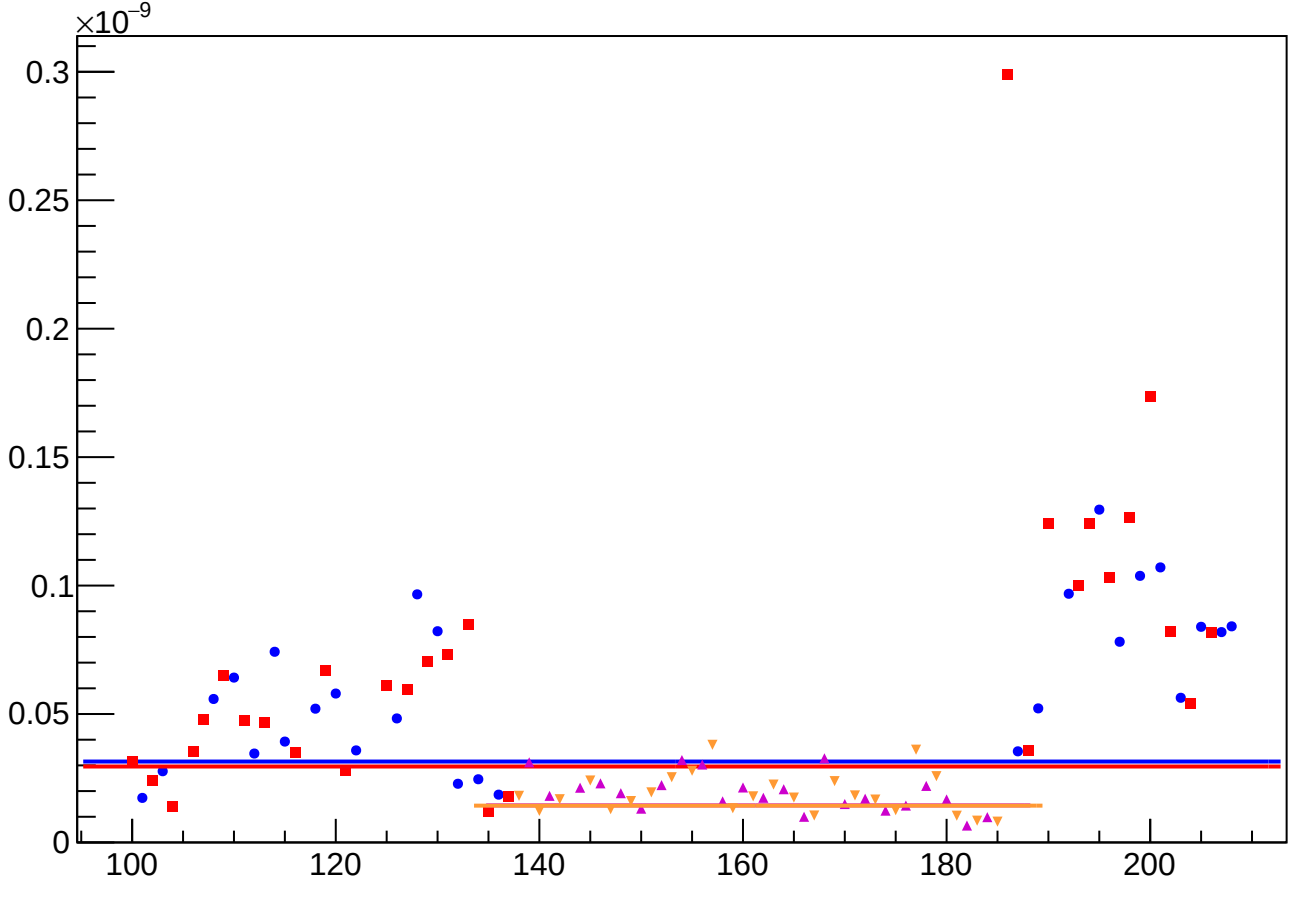
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 66.2/55

In: -0.000+/-0.000 χ^2/NDF:47.0/49

Out: 0.000+/-0.000 χ^2/NDF:68.3/52

All: 0.000+/-0.000 χ^2/NDF: 115.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 6226383.6/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7907480.8/28

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

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

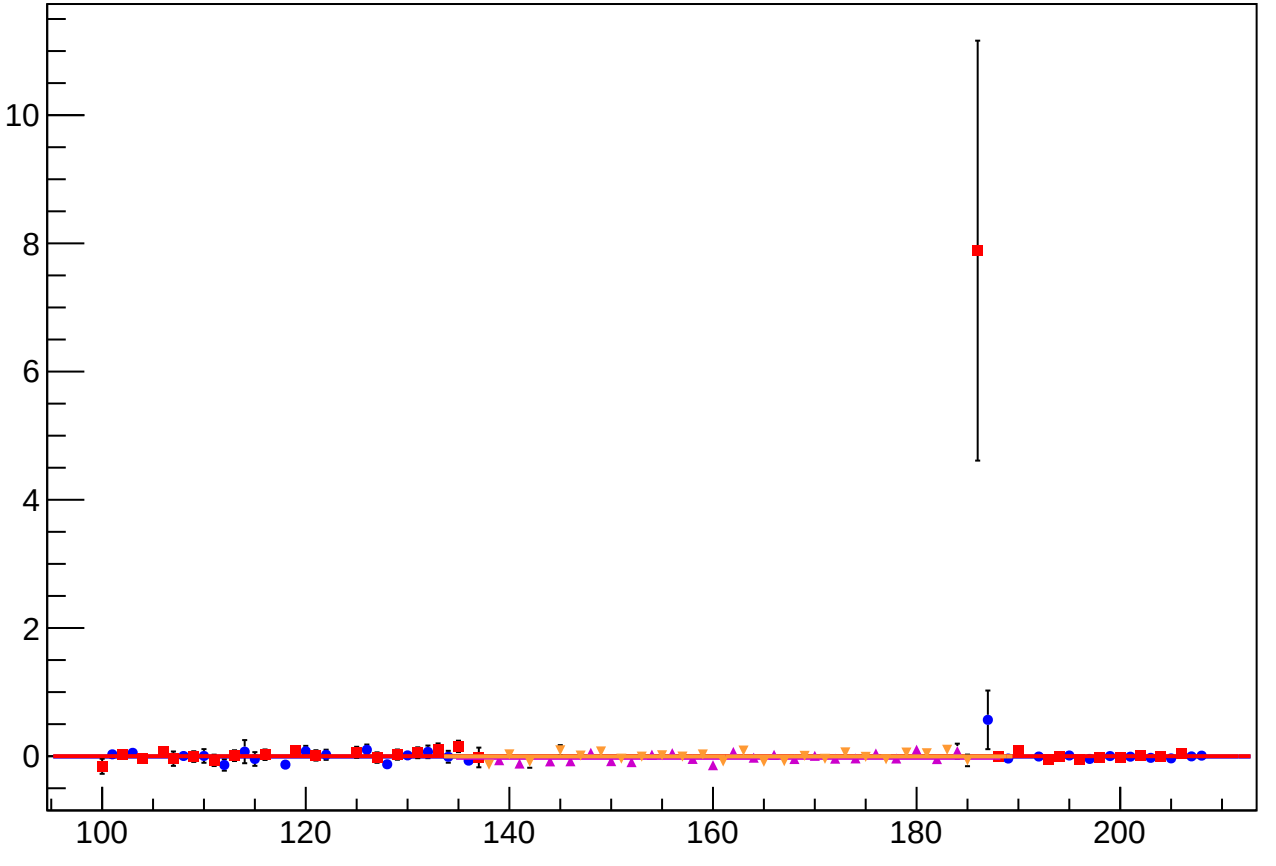
Right: 0.000+/-0.000 χ^2/NDF: 14158087.3/55

In: 0.000+/-0.000 χ^2/NDF:13843842.1/49

Out: 0.000+/-0.000 χ^2/NDF:14163879.9/52

All: 0.000+/-0.000 χ^2/NDF: 28015079.8/102

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

Right Out: 0.001+/-0.008 χ^2/NDF: 32.4/28

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

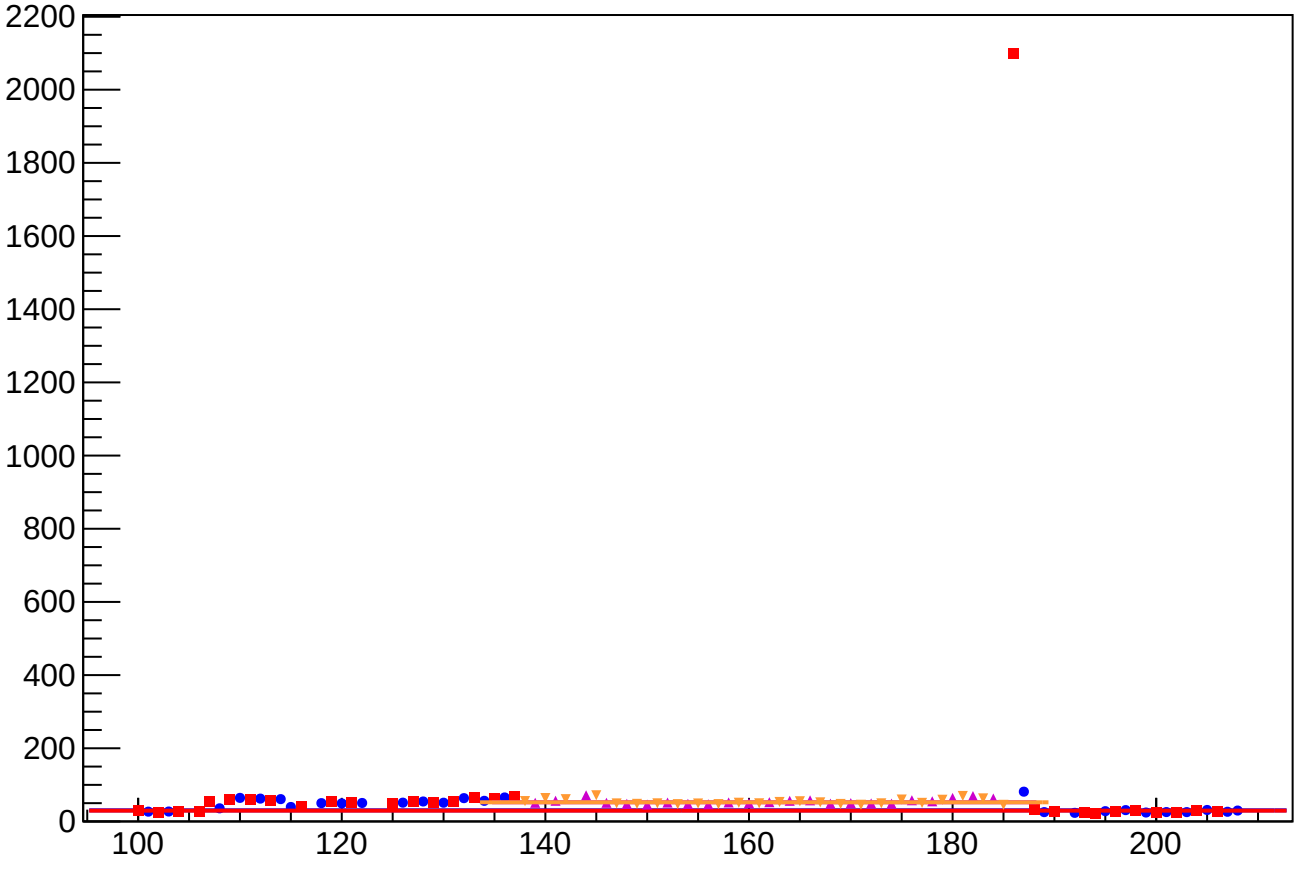
Right: -0.003+/-0.006 χ^2/NDF: 53.8/55

In: -0.012+/-0.007 χ^2/NDF:47.0/49

Out: -0.001+/-0.007 χ^2/NDF:55.6/52

All: -0.006+/-0.005 χ^2/NDF: 104.0/102

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

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

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

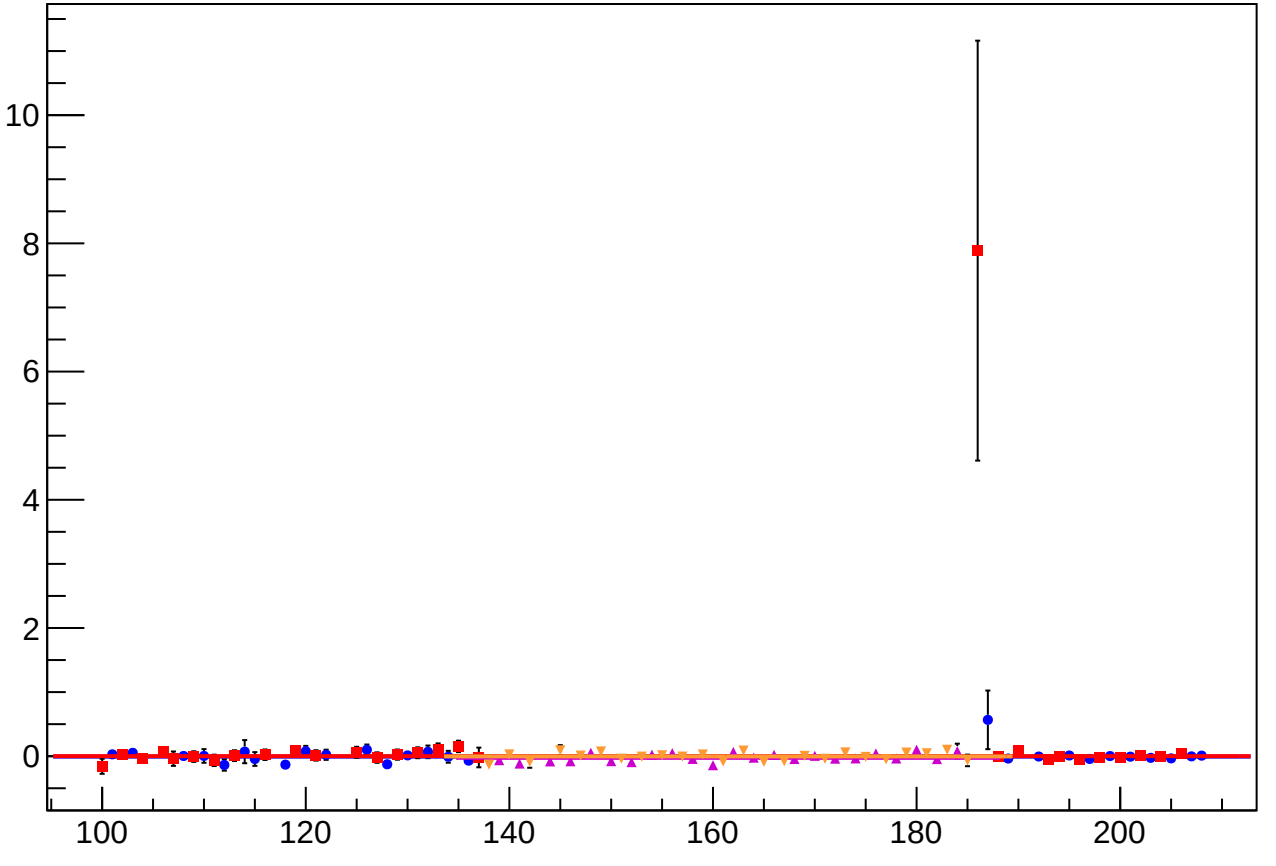
Right: 29.977+/-0.004 χ^2/NDF: 6679462.5/55

In: 37.167+/-0.005 χ^2/NDF:7603537.3/49

Out: 36.440+/-0.005 χ^2/NDF:9060529.4/52

All: 36.798+/-0.003 χ^2/NDF: 16675266.5/102

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

Right Out: 0.001+/-0.008 χ^2/NDF: 32.4/28

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

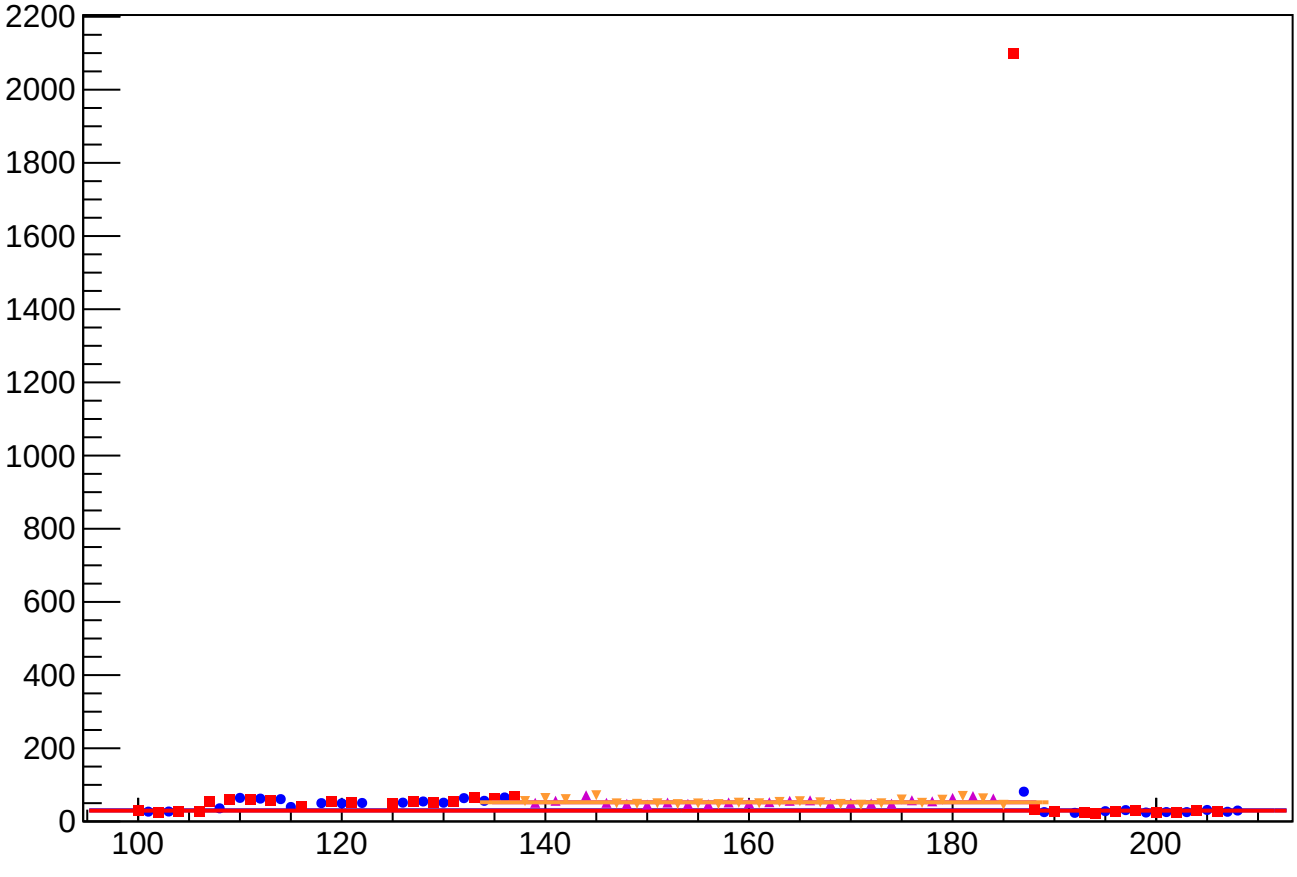
Right: -0.003+/-0.006 χ^2/NDF: 53.8/55

In: -0.012+/-0.007 χ^2/NDF:47.0/49

Out: -0.001+/-0.007 χ^2/NDF:55.6/52

All: -0.006+/-0.005 χ^2/NDF: 104.0/102

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

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

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

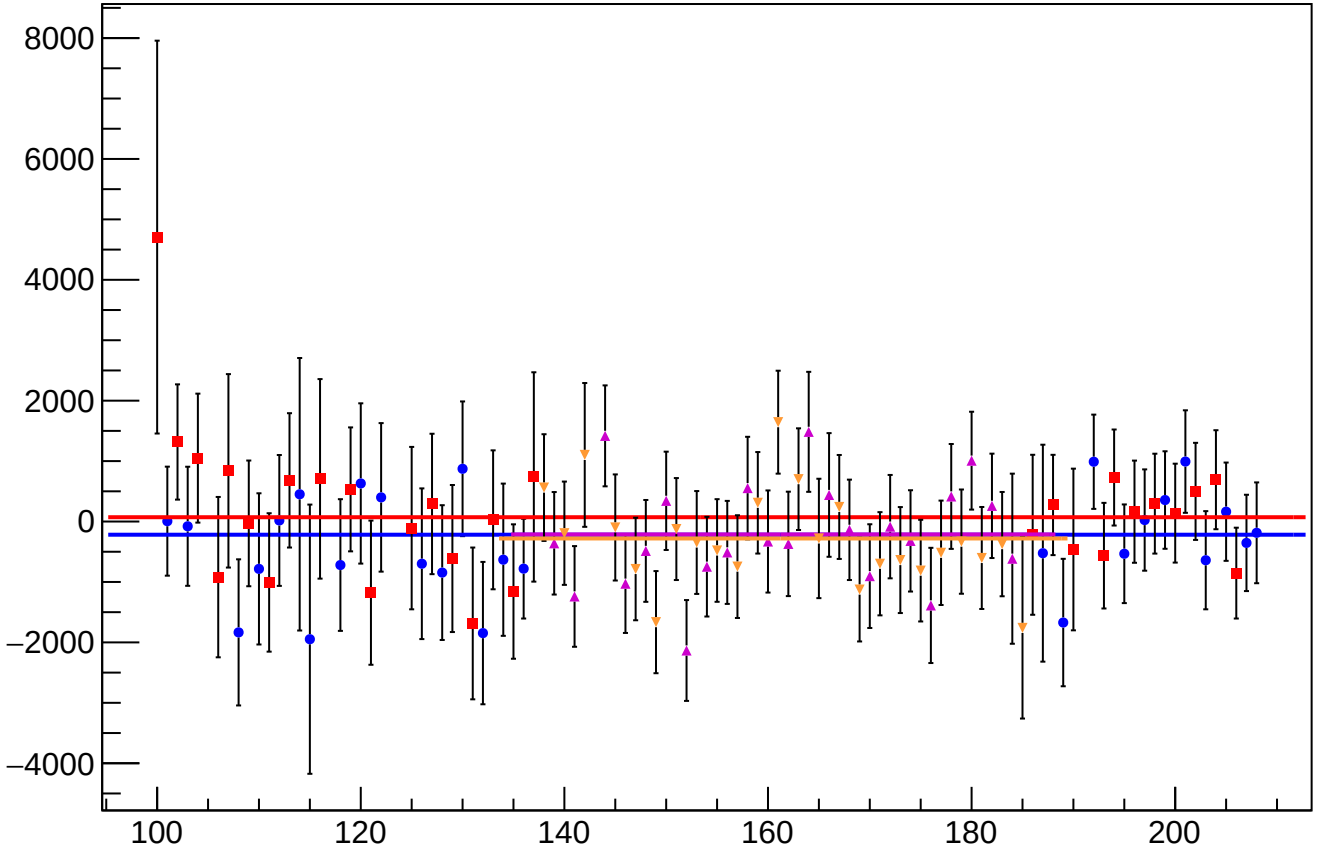
Right: 29.977+/-0.004 χ^2/NDF: 6679462.5/55

In: 37.167+/-0.005 χ^2/NDF:7603537.3/49

Out: 36.440+/-0.005 χ^2/NDF:9060529.4/52

All: 36.798+/-0.003 χ^2/NDF: 16675266.5/102

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: 71.352+/-193.556 χ^2/NDF: 15.7/28

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

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

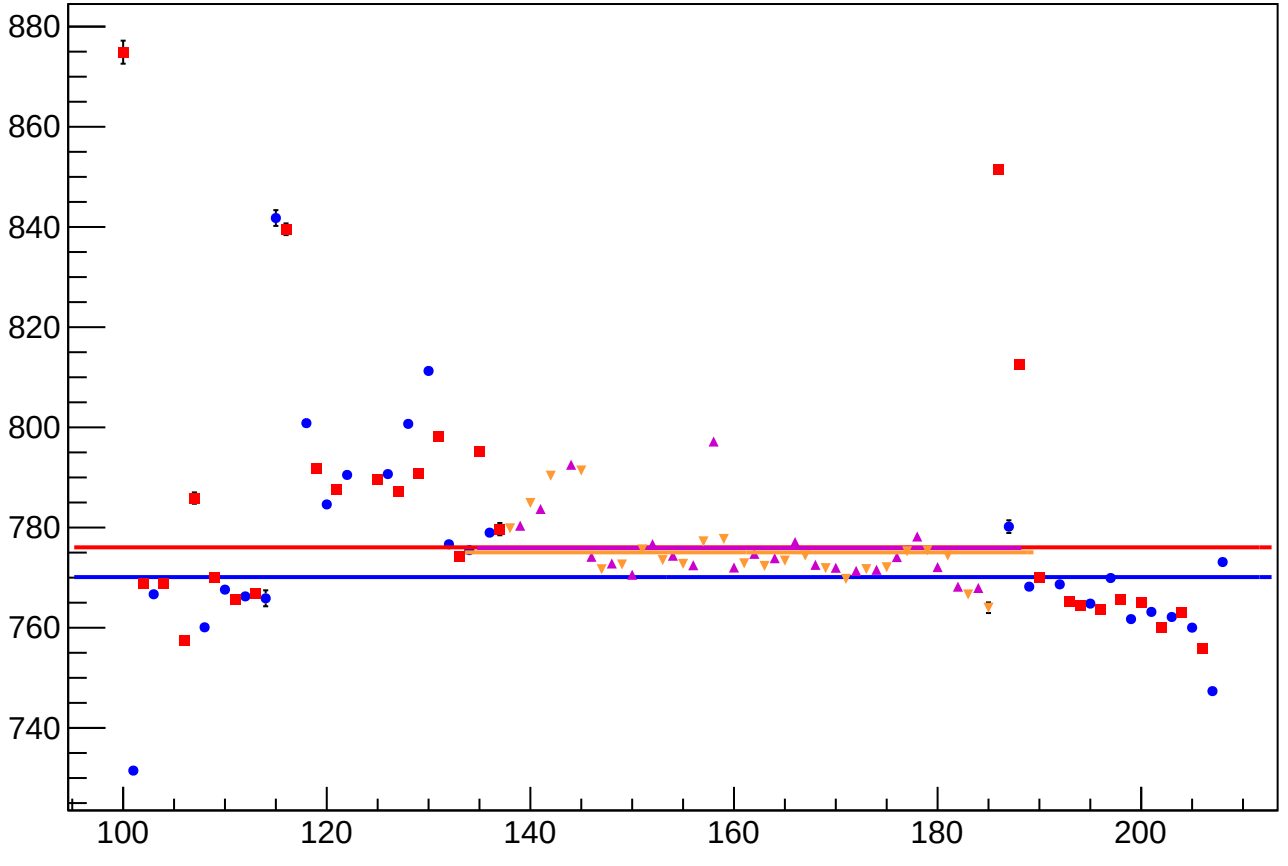
Right: -73.493+/-136.829 χ^2/NDF: 32.0/55

In: -215.650+/-132.236 χ^2/NDF:37.6/49

Out: -117.369+/-131.764 χ^2/NDF:33.5/52

All: -166.334+/-93.338 χ^2/NDF: 71.3/102

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

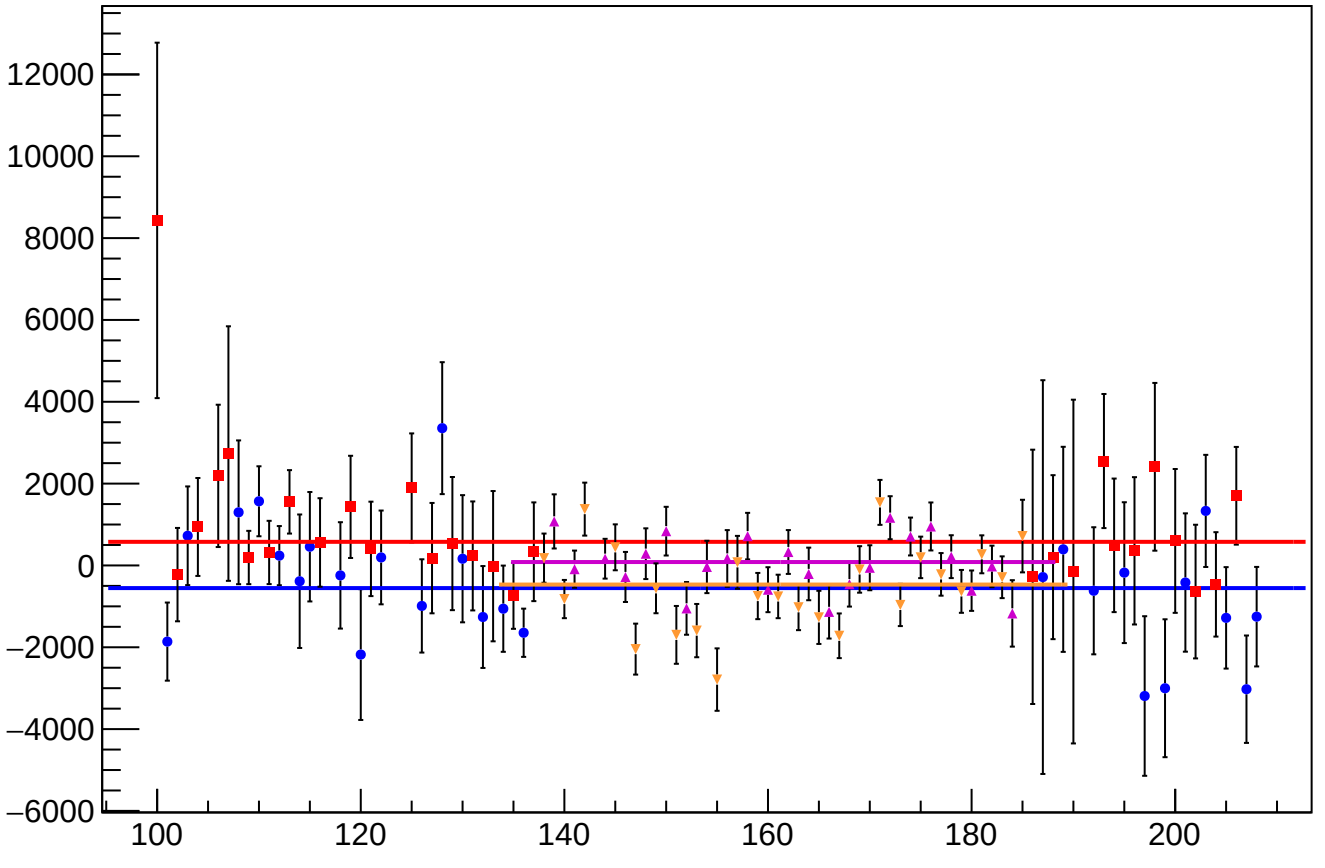
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.079+/-0.097 χ^2/NDF: 40481.0/55

In: 773.207+/-0.094 χ^2/NDF:20028.7/49

Out: 775.514+/-0.093 χ^2/NDF:25424.3/52

All: 774.364+/-0.066 χ^2/NDF: 45758.4/102



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: 576.963+/-234.498 χ^2/NDF: 16.2/28

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

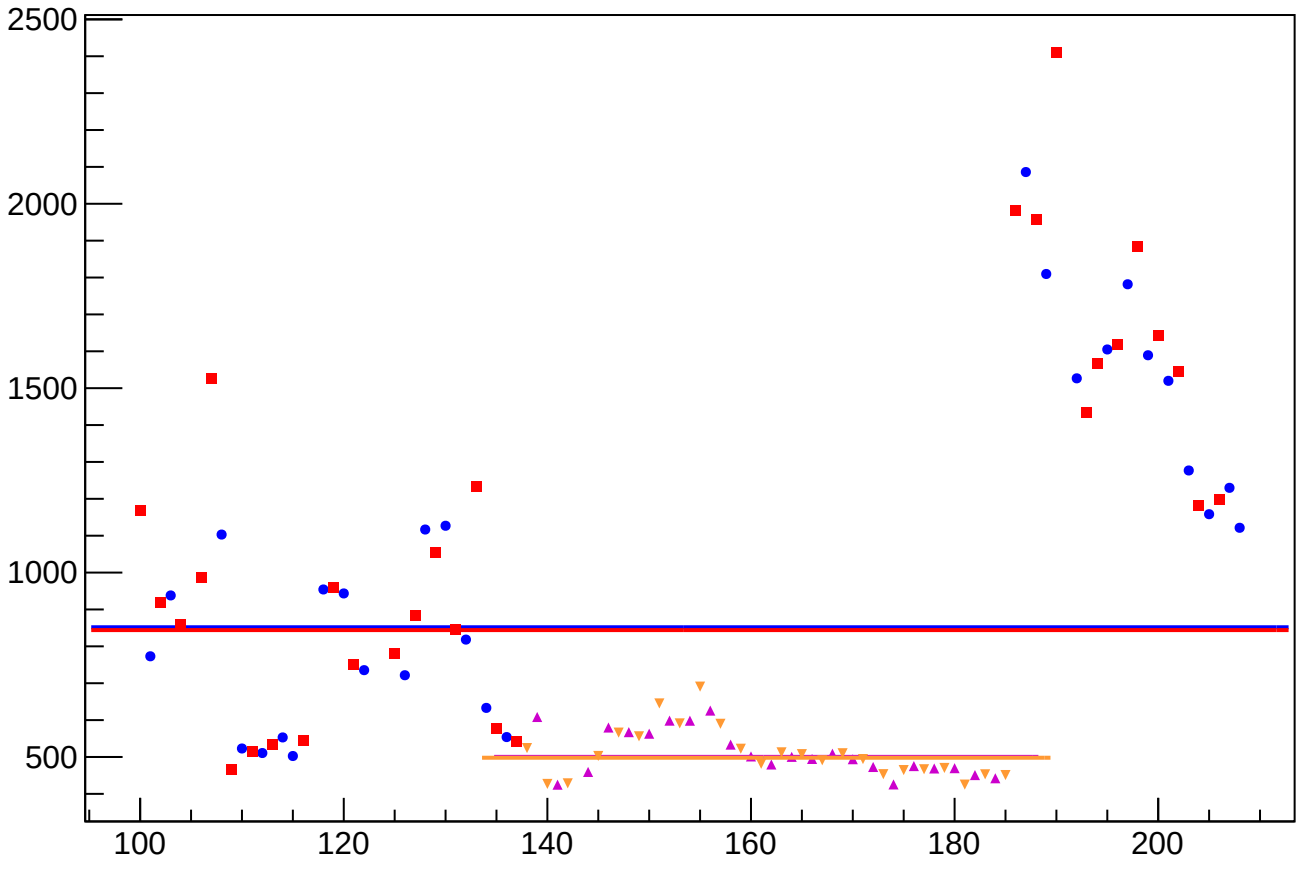
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 8.135+/-165.286 χ^2/NDF: 61.9/55

In: -46.456+/-105.134 χ^2/NDF:68.1/49

Out: -259.856+/-104.486 χ^2/NDF:96.5/52

All: -153.816+/-74.111 χ^2/NDF: 166.7/102



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

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

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

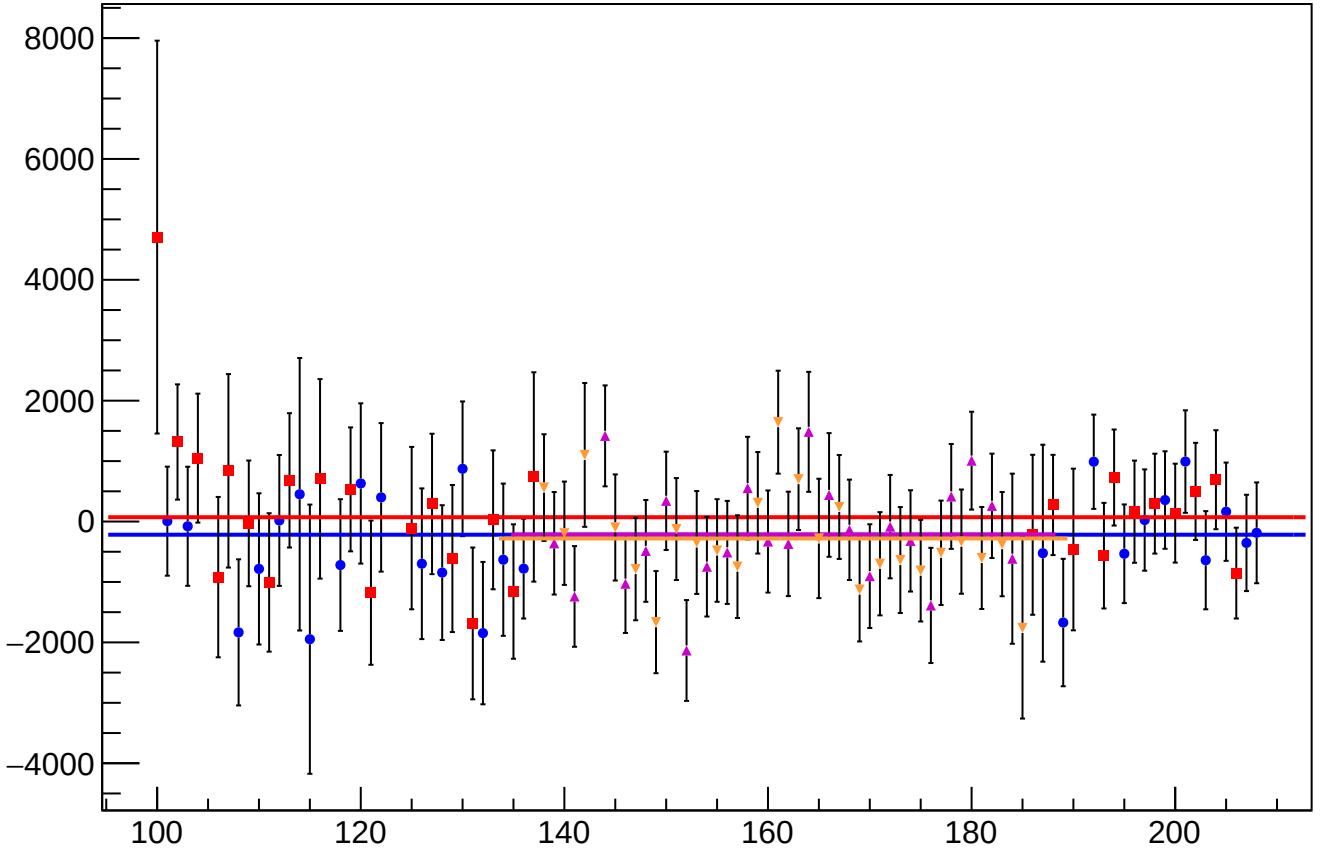
Right: 847.915+/-0.117 χ^2/NDF: 10638952.0/55

In: 571.851+/-0.074 χ^2/NDF:8803169.6/49

Out: 566.677+/-0.074 χ^2/NDF:9953667.8/52

All: 569.248+/-0.052 χ^2/NDF: 18759274.3/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: 71.352+/-193.556 χ^2/NDF: 15.7/28

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

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

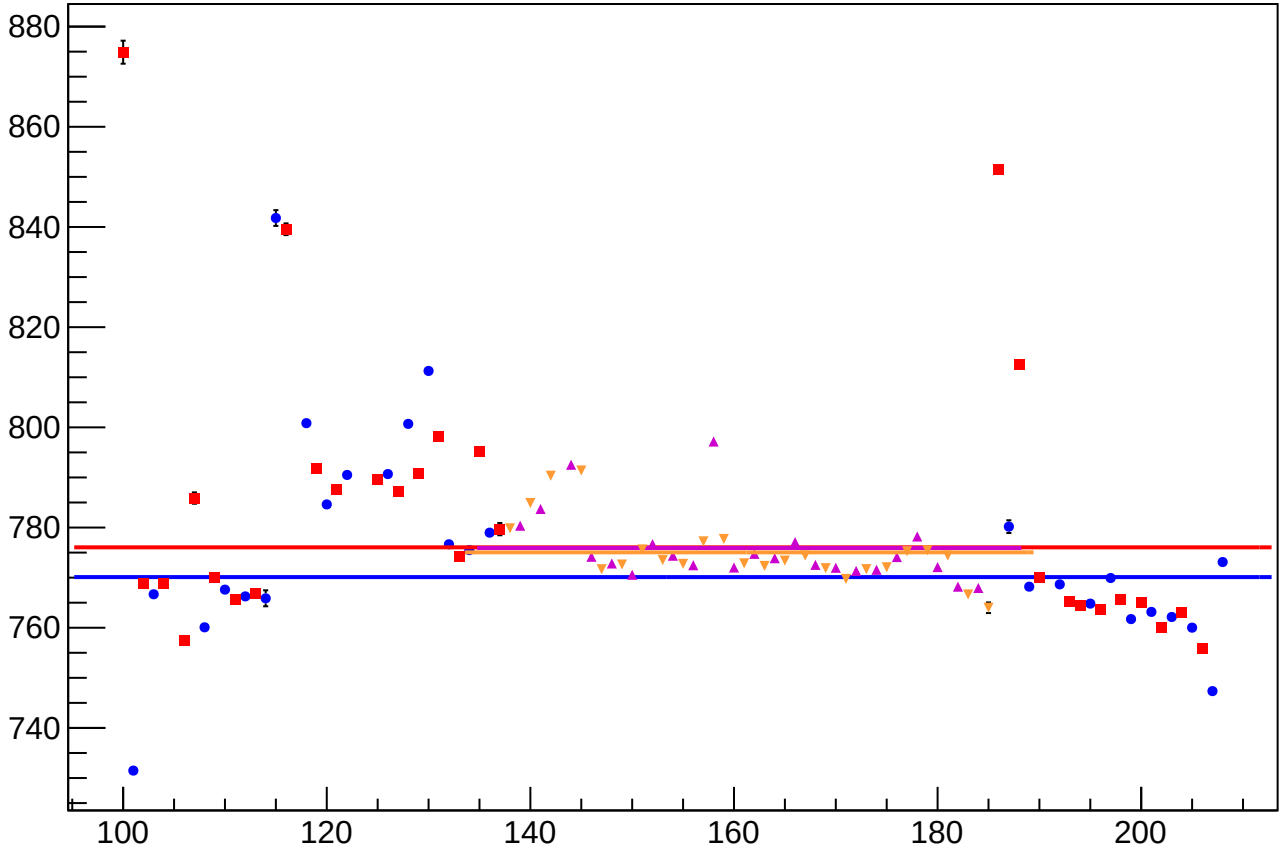
Right: -73.493+/-136.829 χ^2/NDF: 32.0/55

In: -215.650+/-132.236 χ^2/NDF:37.6/49

Out: -117.369+/-131.764 χ^2/NDF:33.5/52

All: -166.334+/-93.338 χ^2/NDF: 71.3/102

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

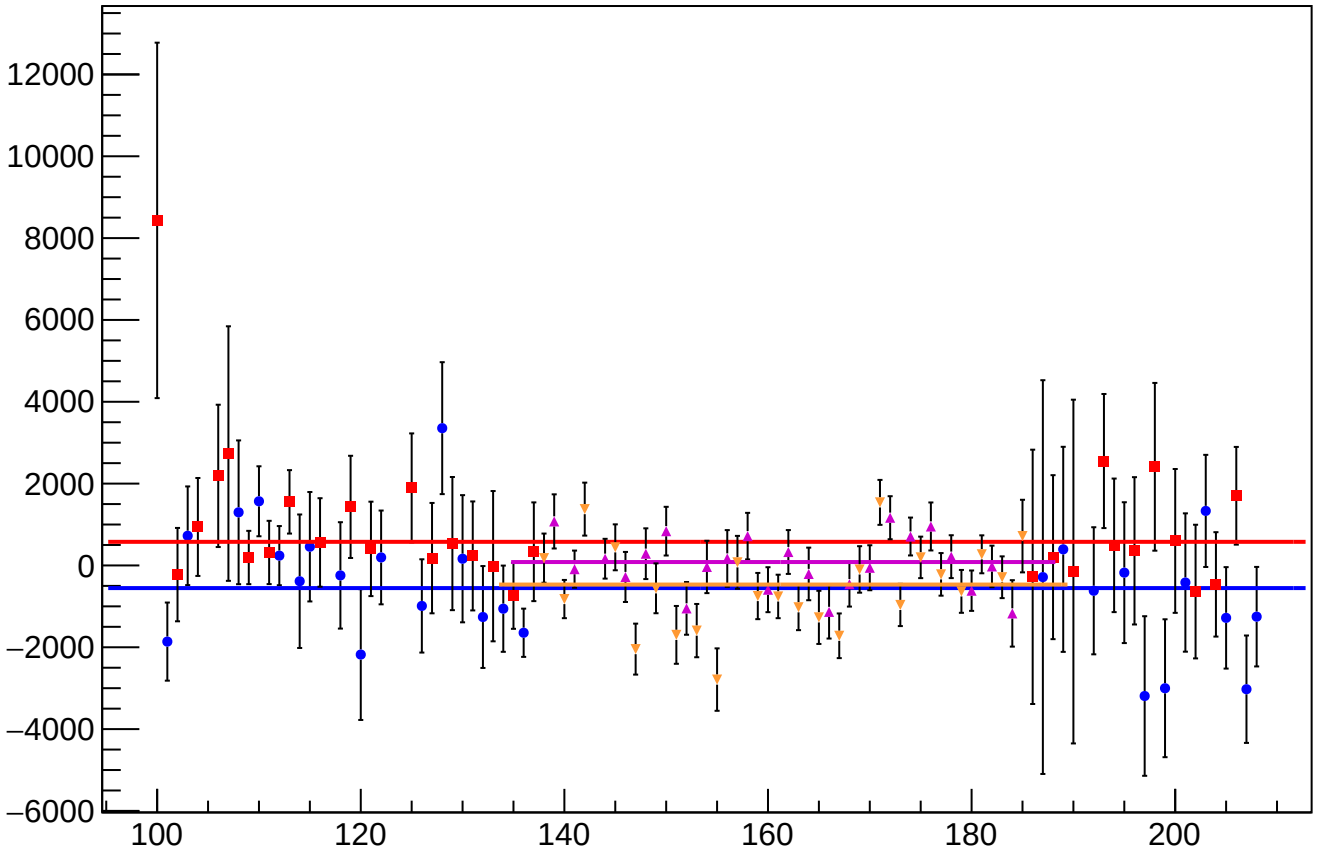
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.079+/-0.097 χ^2/NDF: 40481.0/55

In: 773.207+/-0.094 χ^2/NDF:20028.7/49

Out: 775.514+/-0.093 χ^2/NDF:25424.3/52

All: 774.364+/-0.066 χ^2/NDF: 45758.4/102



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: 576.963+/-234.498 χ^2/NDF: 16.2/28

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

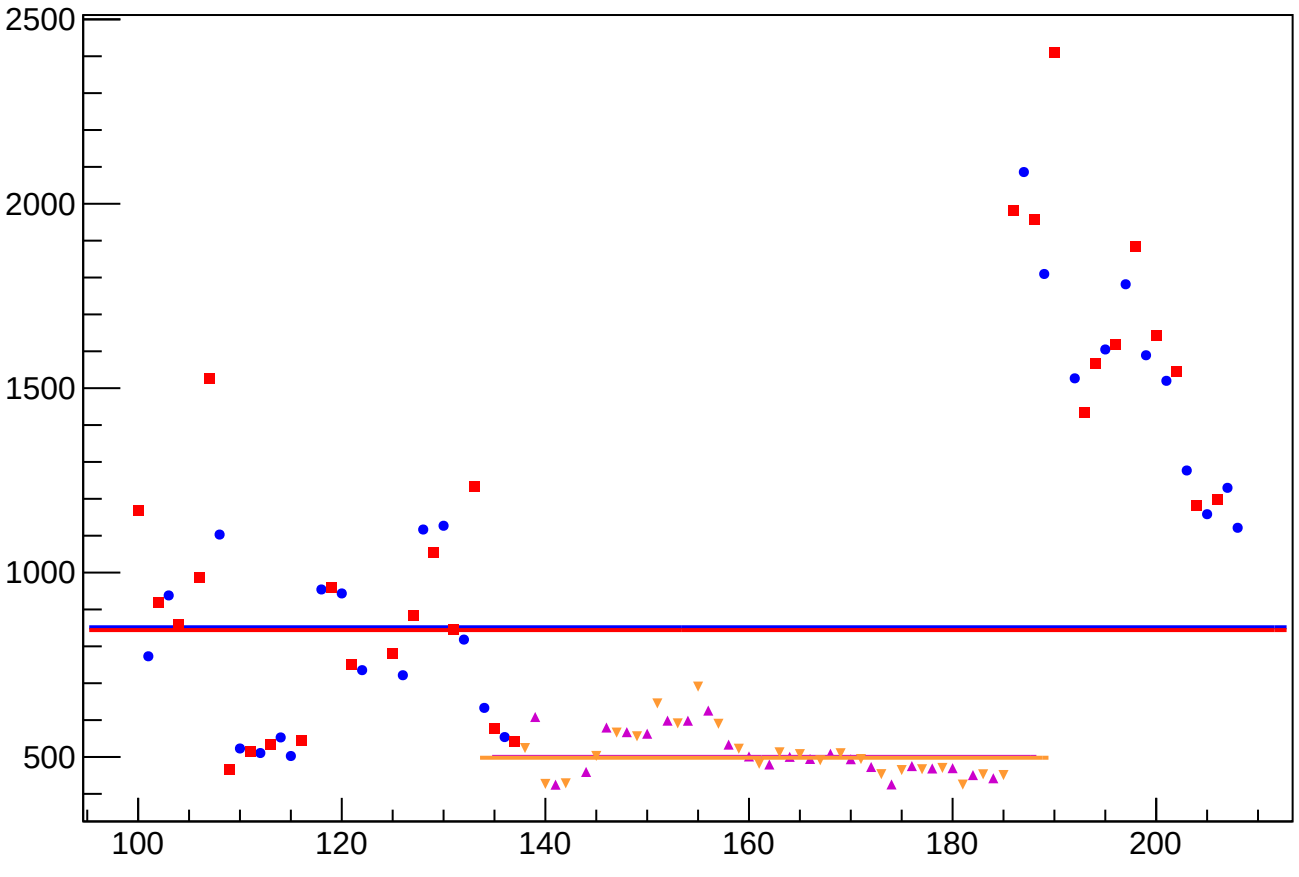
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 8.135+/-165.286 χ^2/NDF: 61.9/55

In: -46.456+/-105.134 χ^2/NDF:68.1/49

Out: -259.856+/-104.486 χ^2/NDF:96.5/52

All: -153.816+/-74.111 χ^2/NDF: 166.7/102



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

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

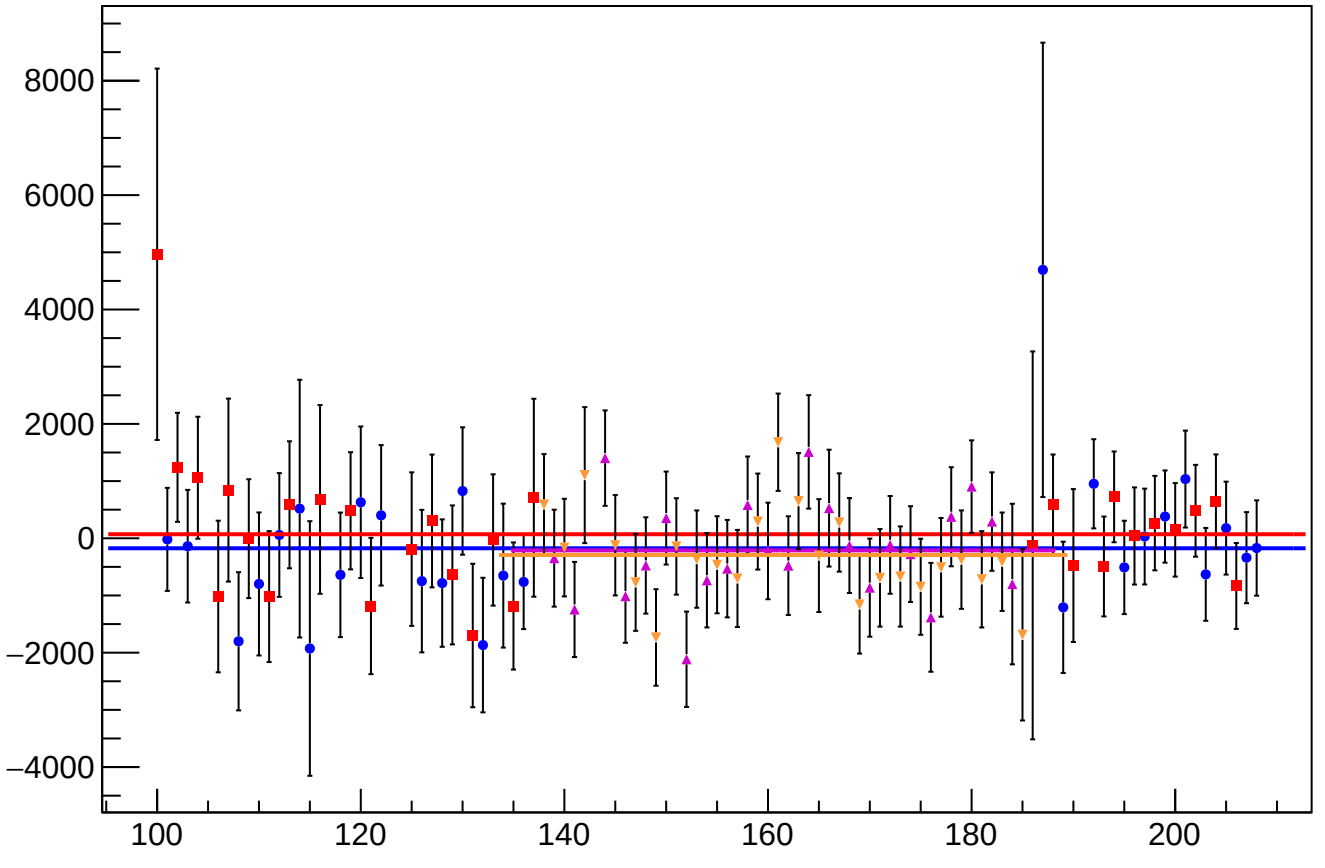
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 847.915+/-0.117 χ^2/NDF: 10638952.0/55

In: 571.851+/-0.074 χ^2/NDF:8803169.6/49

Out: 566.677+/-0.074 χ^2/NDF:9953667.8/52

All: 569.248+/-0.052 χ^2/NDF: 18759274.3/10



Right In: -174.723+/-194.708 χ^2/NDF: 15.4/26

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

Right Out: 70.702+/-195.766 χ^2/NDF: 15.8/28

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

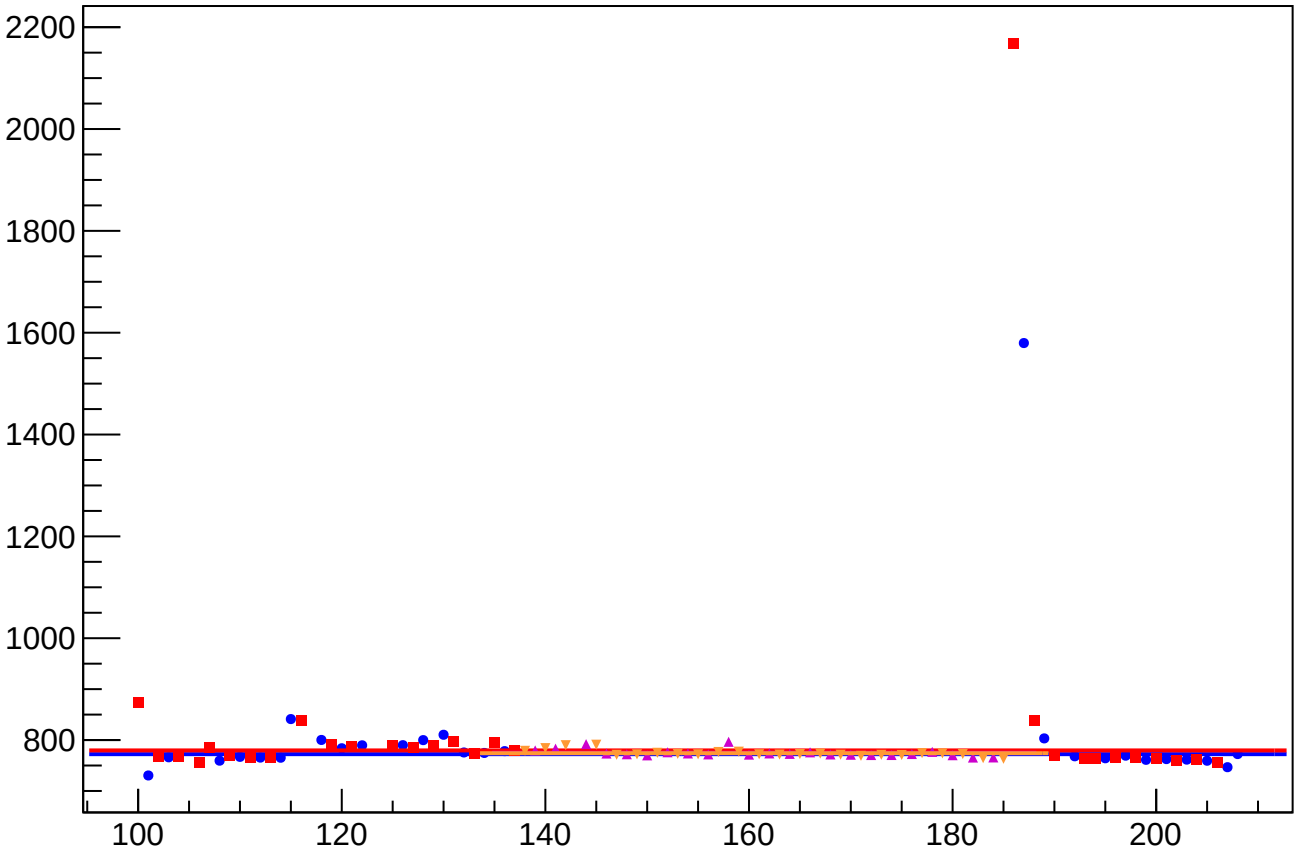
Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

Right: -52.676+/-138.052 χ^2/NDF: 32.0/55

In: -194.316+/-132.548 χ^2/NDF:37.5/49

Out: -126.190+/-132.371 χ^2/NDF:34.3/52

All: -160.207+/-93.663 χ^2/NDF: 71.9/102



Right In: 772.311+/-0.138 χ^2/NDF: 100556.3/26

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

Right Out: 779.624+/-0.138 χ^2/NDF: 359188.8/28

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

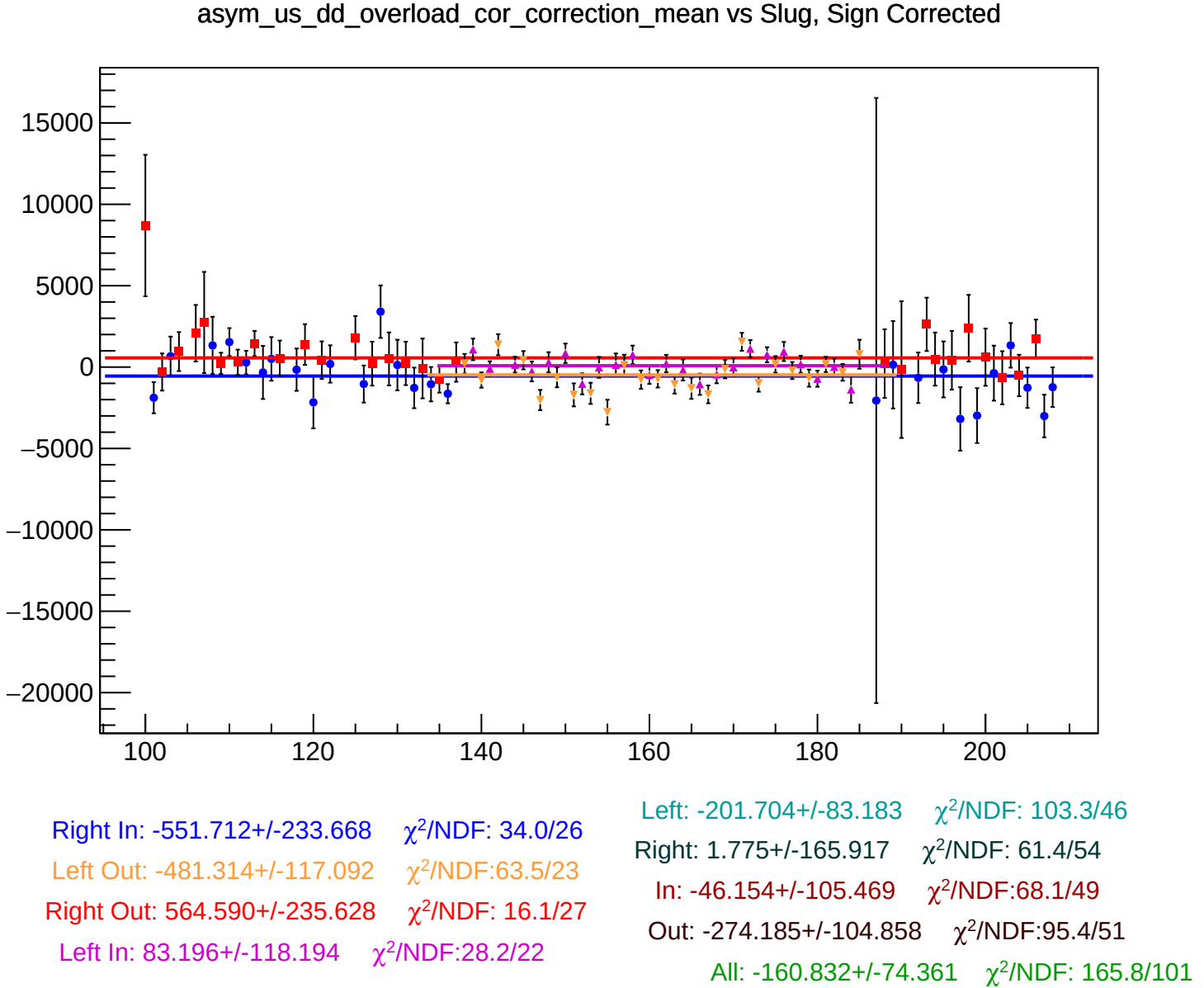
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

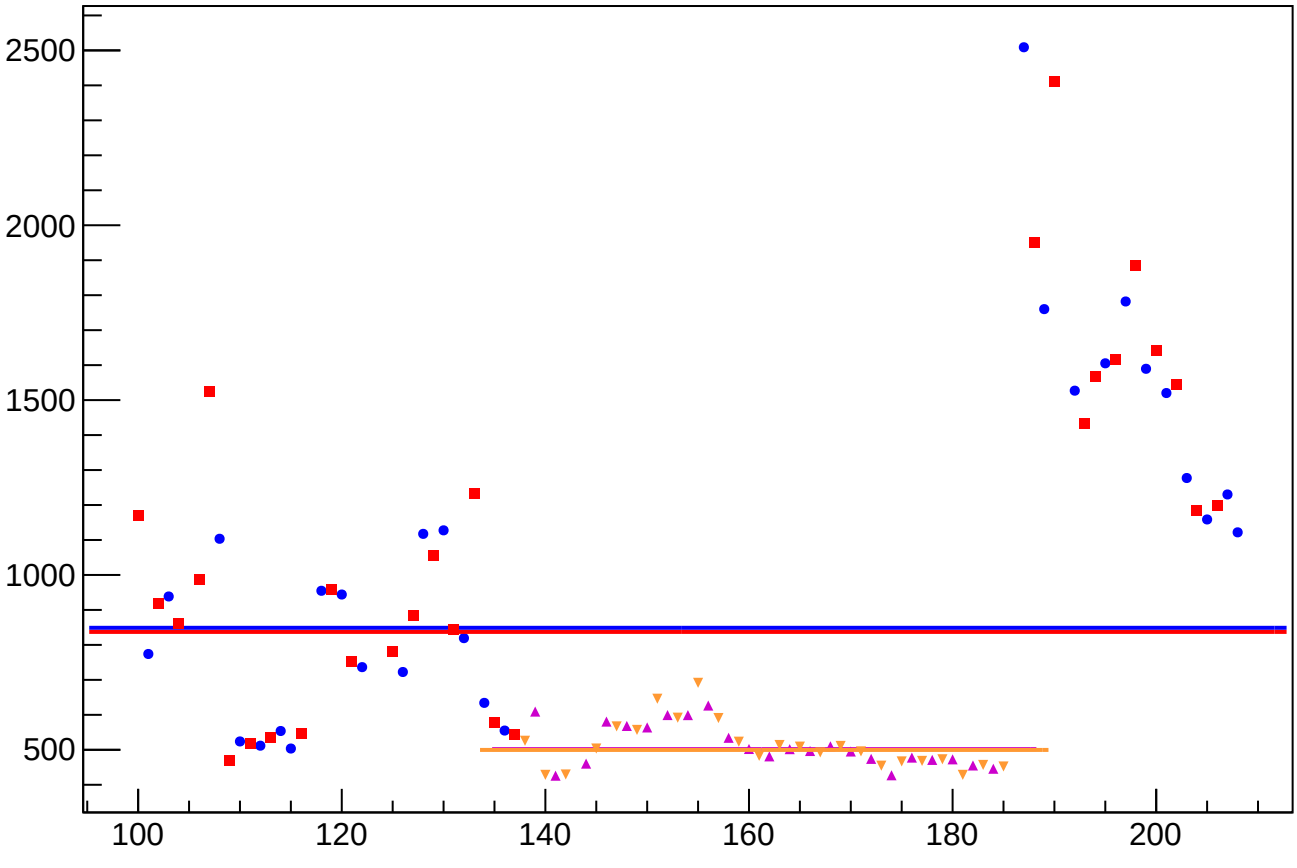
Right: 775.948+/-0.098 χ^2/NDF: 461148.3/55

In: 773.748+/-0.094 χ^2/NDF:103907.6/49

Out: 776.648+/-0.094 χ^2/NDF:362100.6/52

All: 775.200+/-0.066 χ^2/NDF: 466487.7/102


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -551.712+/-233.668 χ²/NDF: 34.0/26
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 564.590+/-235.628 χ²/NDF: 16.1/27
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 1.775+/-165.917 χ²/NDF: 61.4/54
In: -46.154+/-105.469 χ²/NDF:68.1/49
Out: -274.185+/-104.858 χ²/NDF:95.4/51
All: -160.832+/-74.361 χ²/NDF: 165.8/101



Right In: 848.868+/-0.165 χ^2/NDF: 4508807.7/26

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

Right Out: 837.150+/-0.167 χ^2/NDF: 5575691.3/27

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

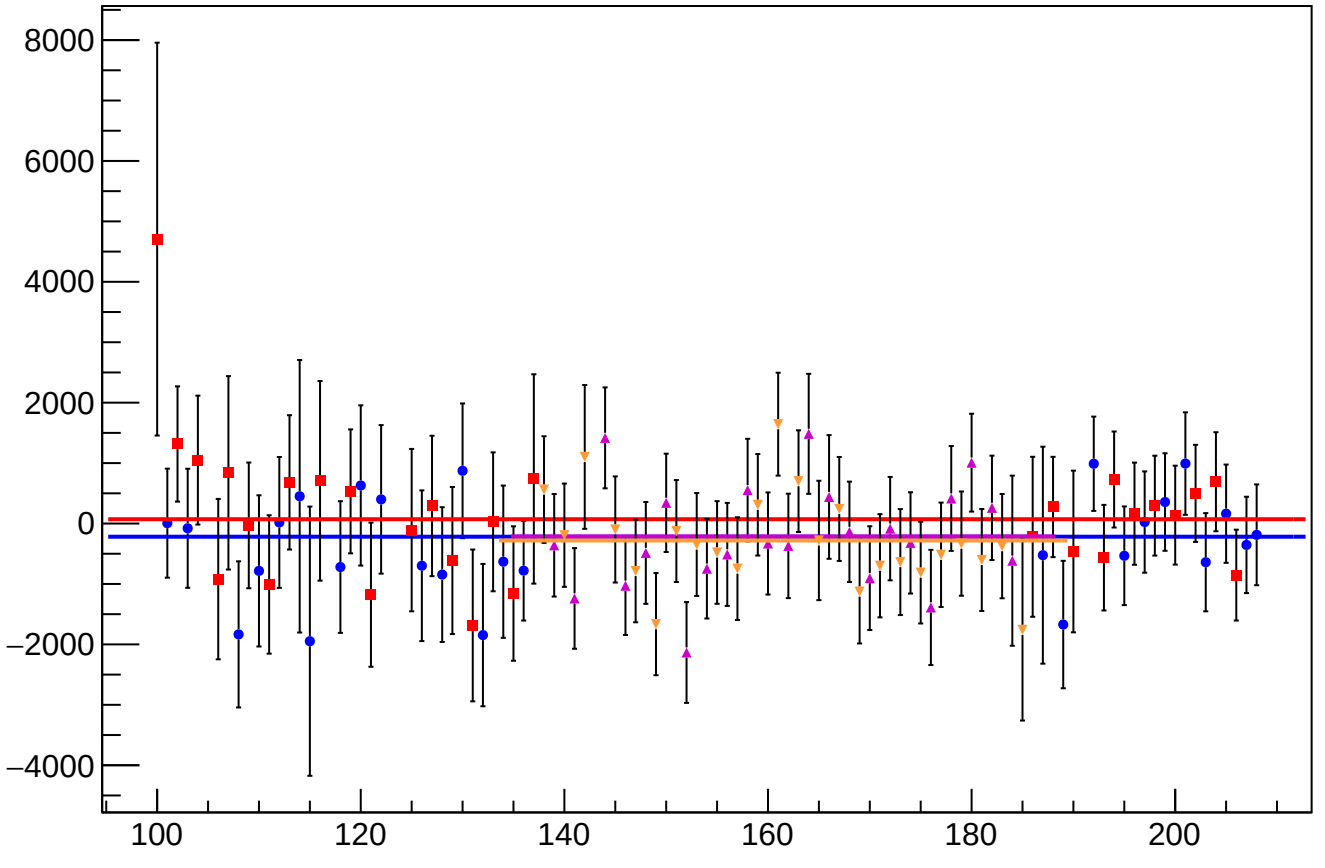
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

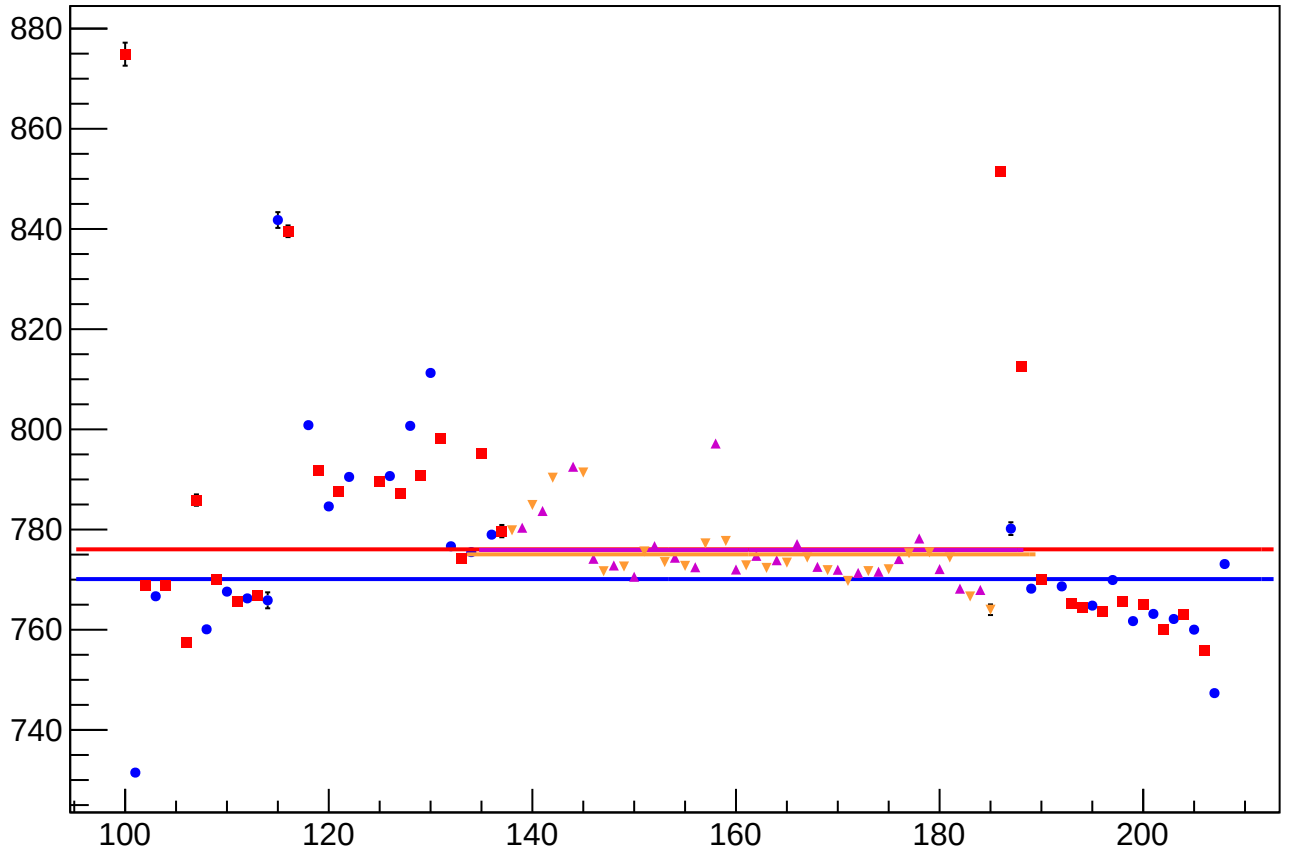
Right: 843.058+/-0.117 χ^2/NDF: 10086993.1/54

In: 572.688+/-0.075 χ^2/NDF:8485046.1/49

Out: 566.504+/-0.074 χ^2/NDF:9382217.7/51

All: 569.578+/-0.053 χ^2/NDF: 17870722.1/10


eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -218.187+/-193.456 χ²/NDF: 15.2/26
Left Out: -280.364+/-179.881 χ²/NDF:16.1/23
Right Out: 71.352+/-193.556 χ²/NDF: 15.7/28
Left In: -213.425+/-181.168 χ²/NDF:22.4/22
Left: -247.133+/-127.647 χ²/NDF: 38.5/46
Right: -73.493+/-136.829 χ²/NDF: 32.0/55
In: -215.650+/-132.236 χ²/NDF:37.6/49
Out: -117.369+/-131.764 χ²/NDF:33.5/52
All: -166.334+/-93.338 χ²/NDF: 71.3/102



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

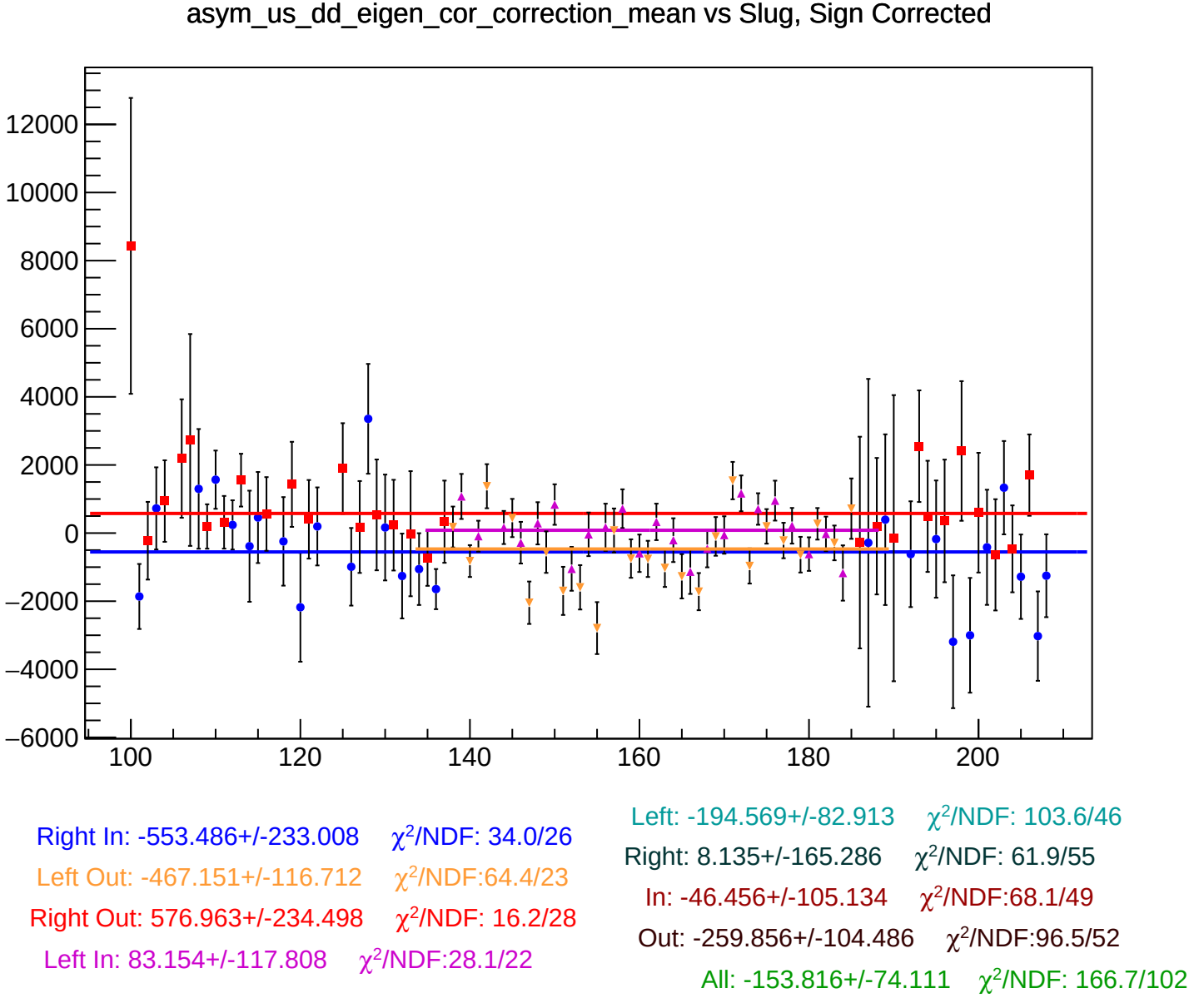
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

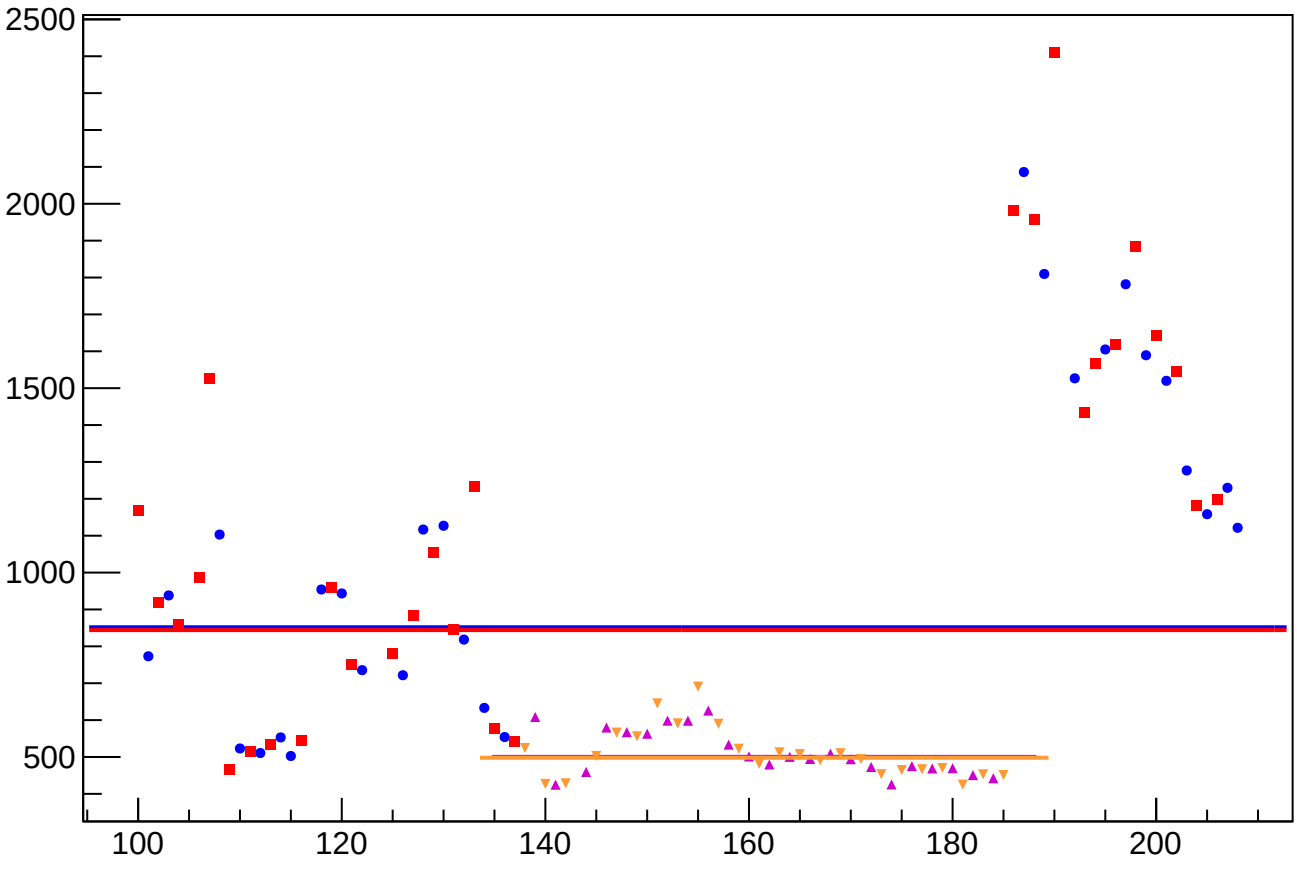
Right: 773.079+/-0.097 χ^2/NDF: 40481.0/55

In: 773.207+/-0.094 χ^2/NDF:20028.7/49

Out: 775.514+/-0.093 χ^2/NDF:25424.3/52

All: 774.364+/-0.066 χ^2/NDF: 45758.4/102


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -553.486+/-233.008 χ²/NDF: 34.0/26
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 576.963+/-234.498 χ²/NDF: 16.2/28
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 8.135+/-165.286 χ²/NDF: 61.9/55
In: -46.456+/-105.134 χ²/NDF:68.1/49
Out: -259.856+/-104.486 χ²/NDF:96.5/52
All: -153.816+/-74.111 χ²/NDF: 166.7/102



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

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

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

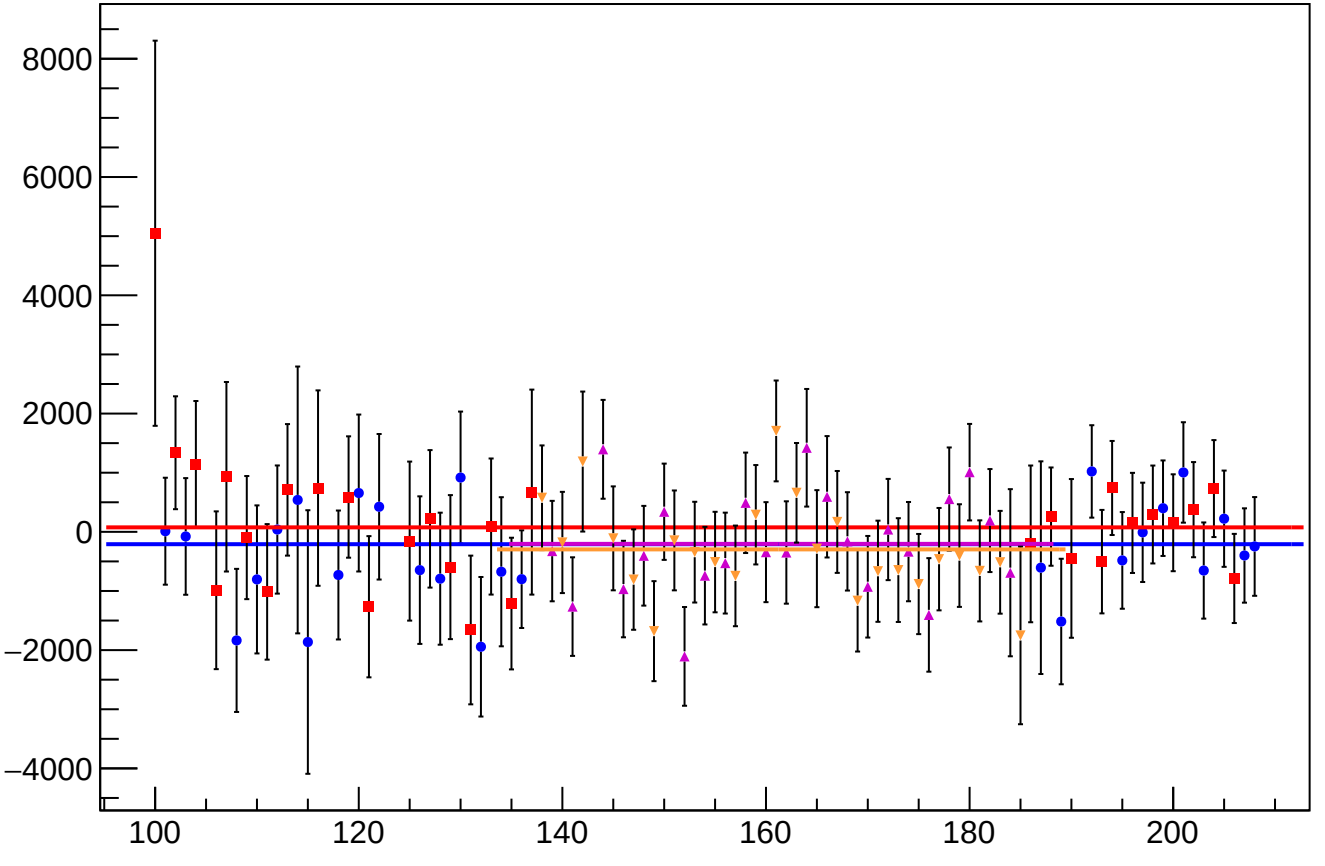
Right: 847.915+/-0.117 χ^2/NDF: 10638952.0/55

In: 571.851+/-0.074 χ^2/NDF:8803169.6/49

Out: 566.677+/-0.074 χ^2/NDF:9953667.8/52

All: 569.248+/-0.052 χ^2/NDF: 18759274.3/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: 75.748+/-193.810 χ^2/NDF: 16.2/28

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

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

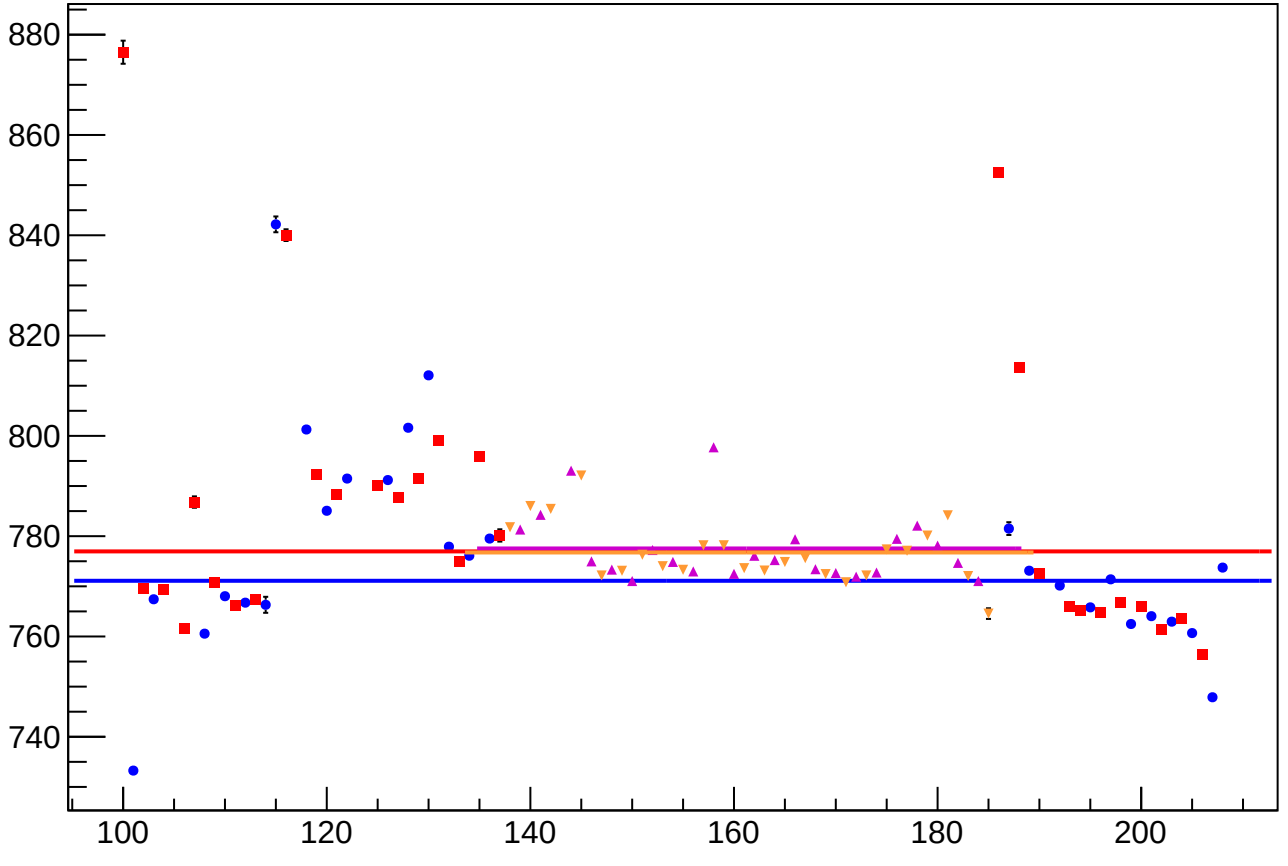
Right: -66.619+/-137.007 χ^2/NDF: 32.7/55

In: -205.908+/-132.463 χ^2/NDF:37.5/49

Out: -123.966+/-132.001 χ^2/NDF:34.9/52

All: -164.794+/-93.502 χ^2/NDF: 72.6/102

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.105+/-0.137 χ^2/NDF: 15858.8/26

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

Right Out: 776.964+/-0.137 χ^2/NDF: 23251.2/28

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

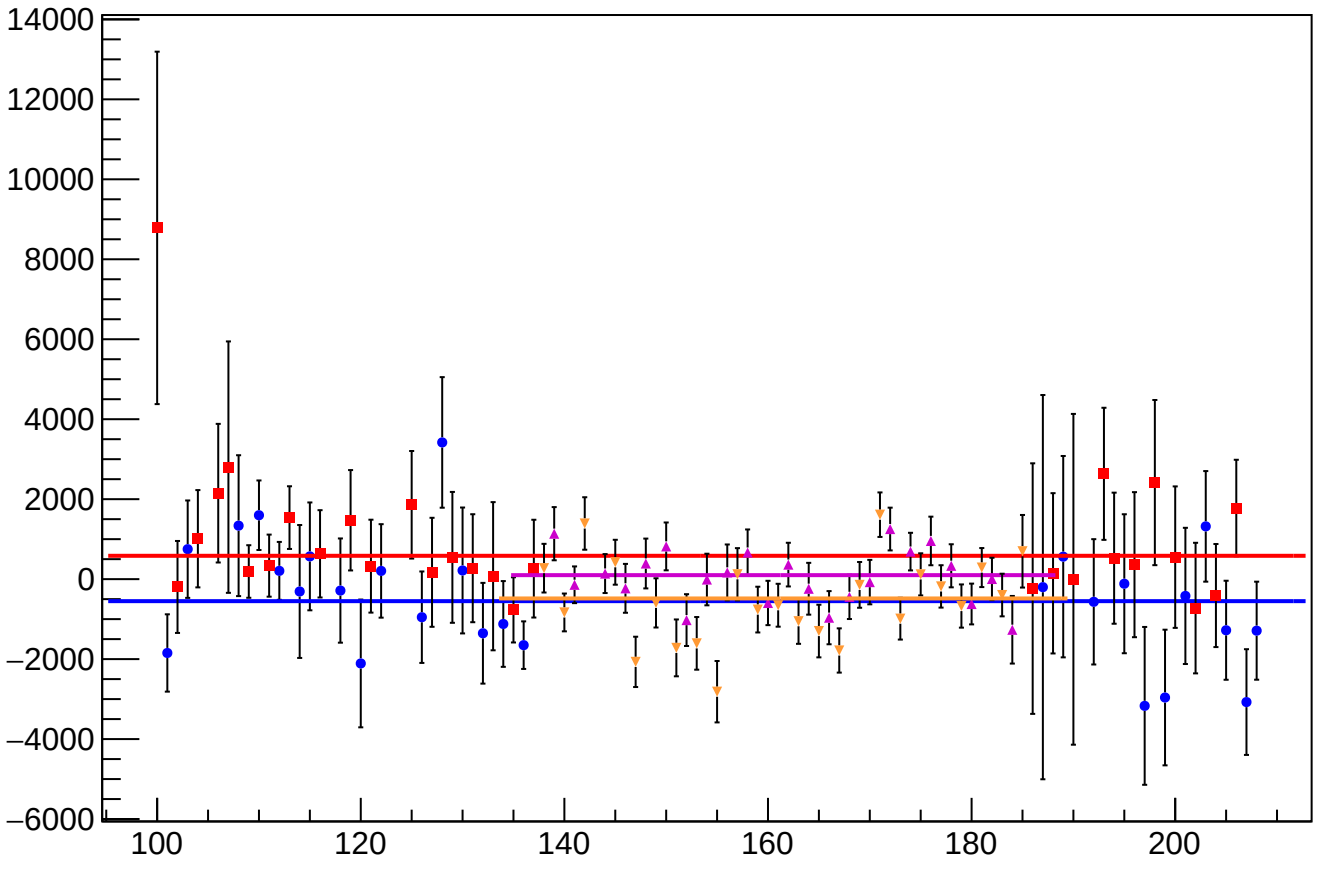
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 774.033+/-0.097 χ^2/NDF: 40024.5/55

In: 774.536+/-0.094 χ^2/NDF:19788.2/49

Out: 776.850+/-0.093 χ^2/NDF:25078.8/52

All: 775.697+/-0.066 χ^2/NDF: 45173.3/102



Right In: -550.334+/-235.129 χ^2/NDF: 34.0/26

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

Right Out: 584.023+/-236.490 χ^2/NDF: 16.5/28

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

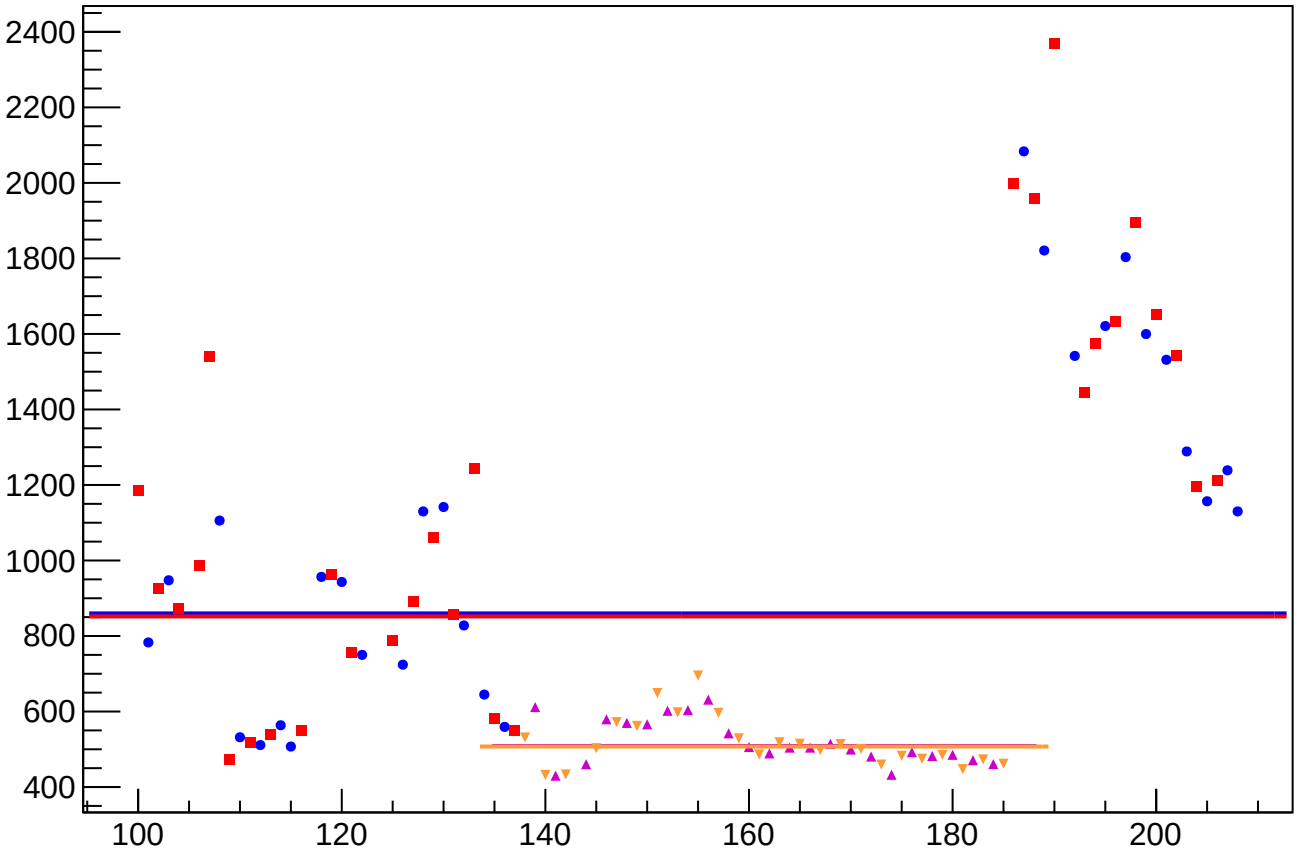
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 13.571+/-166.740 χ^2/NDF: 62.1/55

In: -33.824+/-106.656 χ^2/NDF:67.5/49

Out: -267.885+/-106.162 χ^2/NDF:97.9/52

All: -151.398+/-75.242 χ^2/NDF: 167.8/102



Right In: 859.862+/-0.166 χ^2/NDF: 4684466.7/26

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

Right Out: 851.915+/-0.167 χ^2/NDF: 5897448.3/28

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

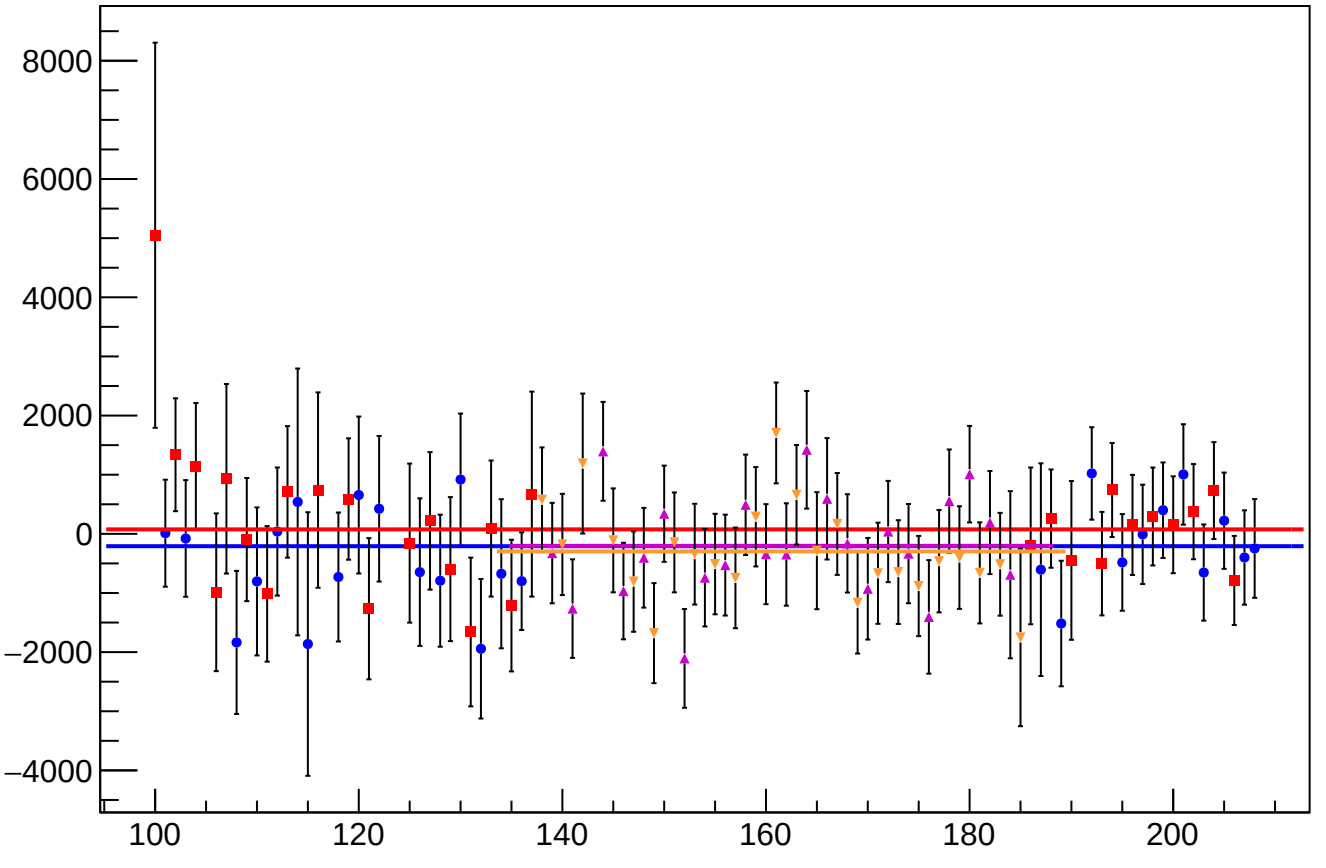
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 855.911+/-0.118 χ^2/NDF: 10583050.7/55

In: 580.906+/-0.075 χ^2/NDF:8661275.0/49

Out: 576.761+/-0.075 χ^2/NDF:9762147.0/52

All: 578.824+/-0.053 χ^2/NDF: 18424939.2/10



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: 75.749+/-193.810 χ^2/NDF: 16.2/28

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

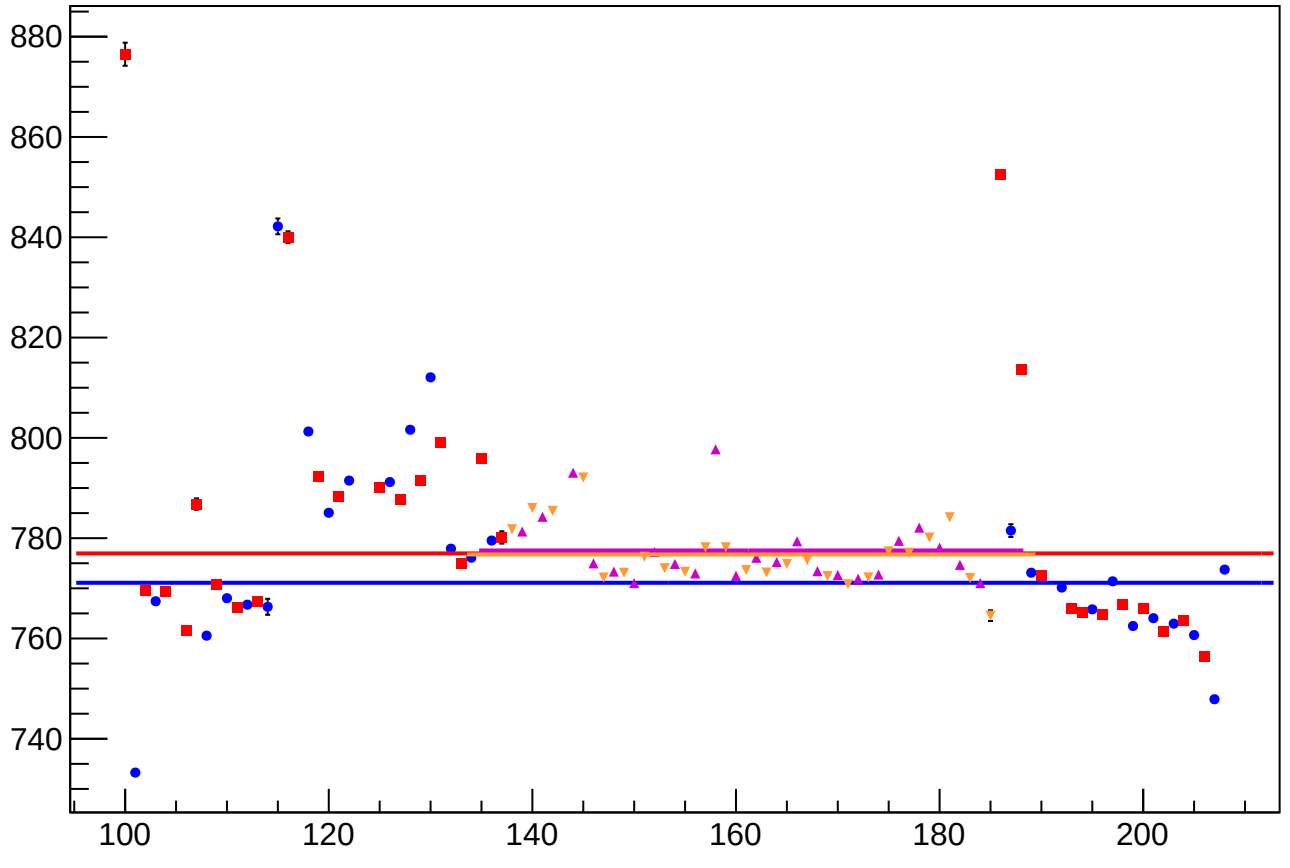
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -66.619+/-137.007 χ^2/NDF: 32.7/55

In: -205.908+/-132.463 χ^2/NDF:37.5/49

Out: -123.966+/-132.001 χ^2/NDF:34.9/52

All: -164.794+/-93.502 χ^2/NDF: 72.6/102



Right In: 771.105+/-0.137 χ^2/NDF: 15858.7/26

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

Right Out: 776.964+/-0.137 χ^2/NDF: 23251.2/28

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

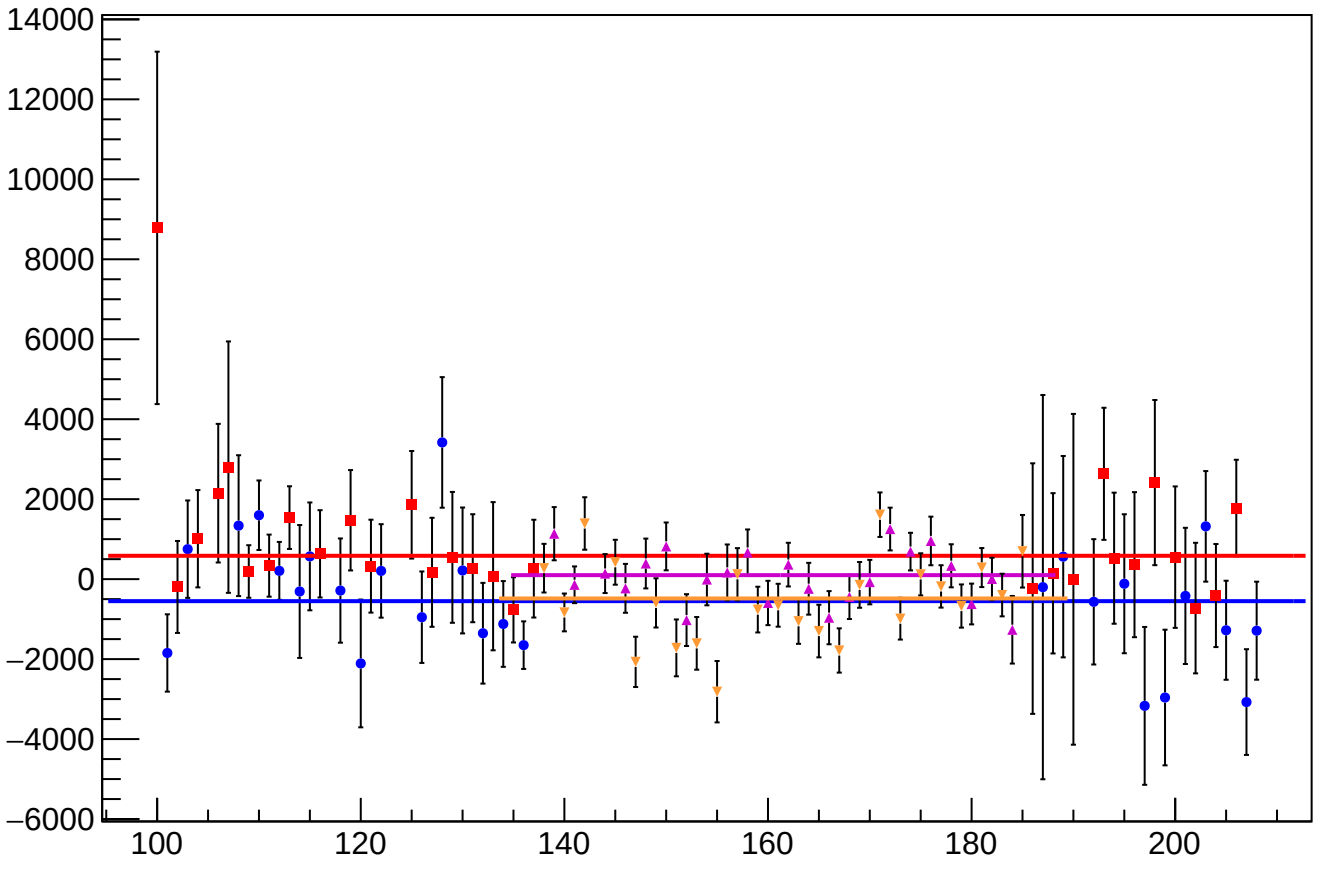
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 774.033+/-0.097 χ^2/NDF: 40024.5/55

In: 774.536+/-0.094 χ^2/NDF:19788.2/49

Out: 776.850+/-0.093 χ^2/NDF:25078.8/52

All: 775.697+/-0.066 χ^2/NDF: 45173.2/102



Right In: -550.328+/-235.128 χ^2/NDF: 34.0/26

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

Right Out: 584.022+/-236.489 χ^2/NDF: 16.5/28

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

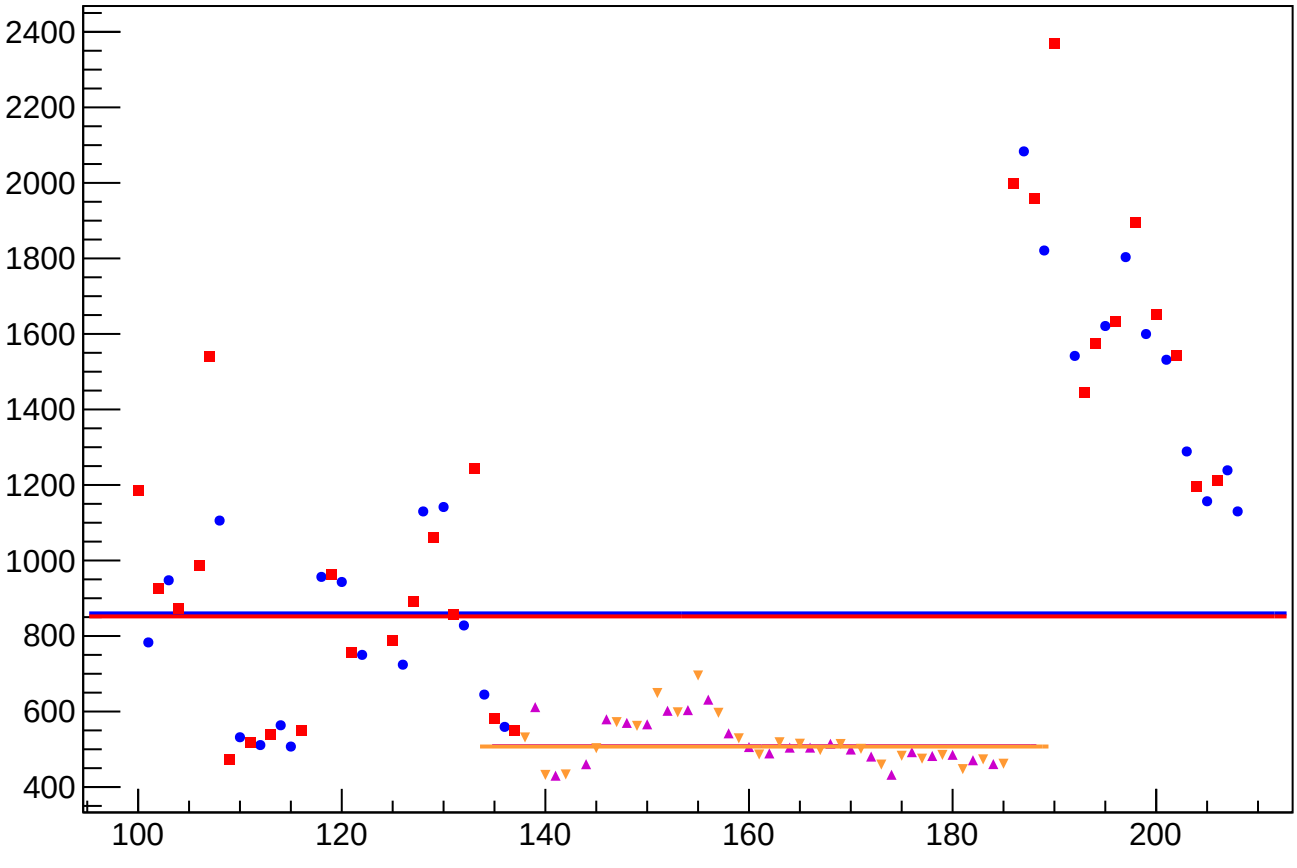
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 13.573+/-166.740 χ^2/NDF: 62.1/55

In: -33.824+/-106.656 χ^2/NDF:67.5/49

Out: -267.884+/-106.162 χ^2/NDF:97.9/52

All: -151.397+/-75.242 χ^2/NDF: 167.8/102



Right In: 859.858+/-0.166 χ^2/NDF: 4684525.7/26

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

Right Out: 851.911+/-0.167 χ^2/NDF: 5897509.6/28

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

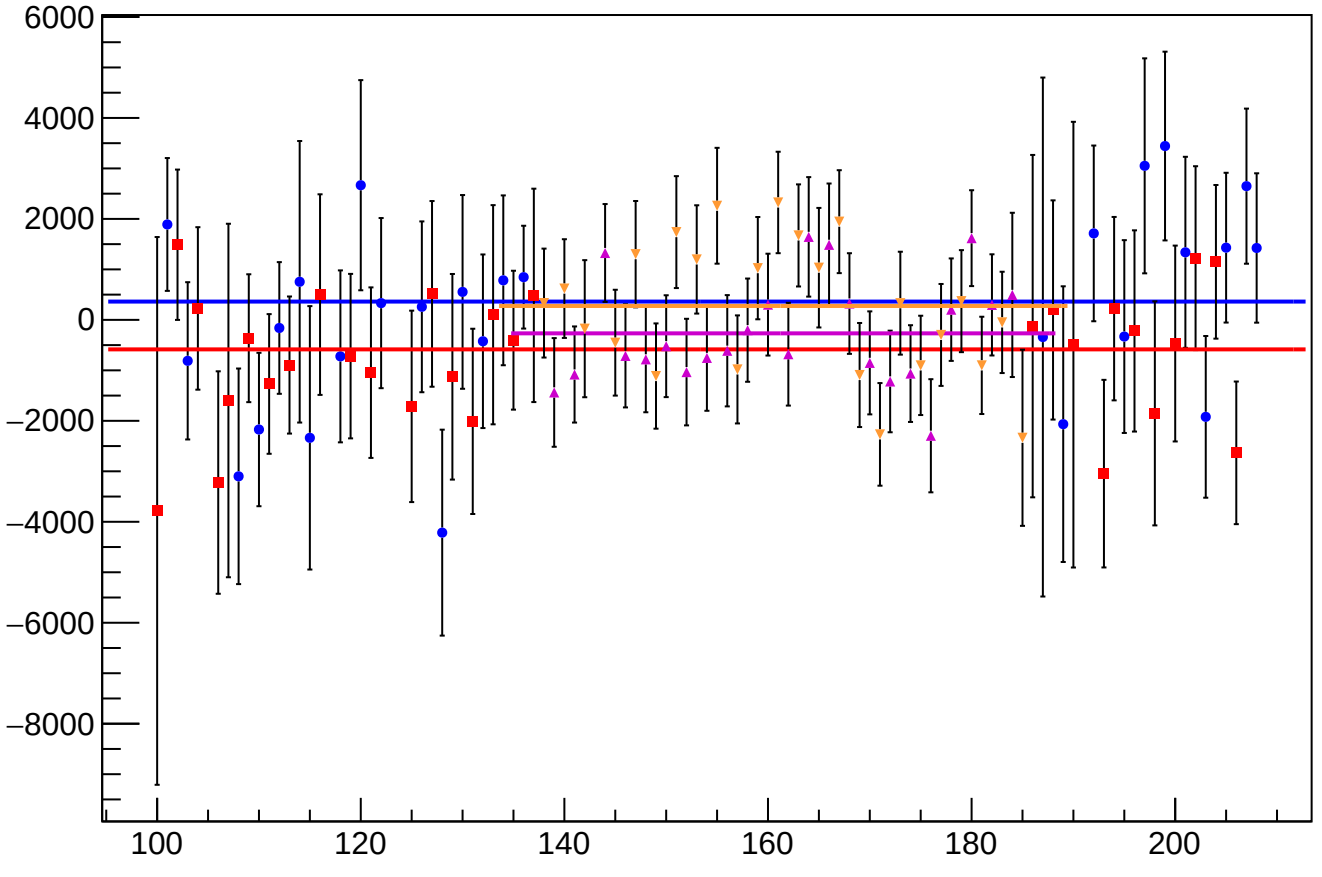
Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

Right: 855.908+/-0.118 χ^2/NDF: 10583171.0/55

In: 580.905+/-0.075 χ^2/NDF:8661293.3/49

Out: 576.761+/-0.075 χ^2/NDF:9762159.9/52

All: 578.824+/-0.053 χ^2/NDF: 18424970.2/10



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

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

Right Out: -584.633+/-337.069 χ^2/NDF: 13.4/28

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

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

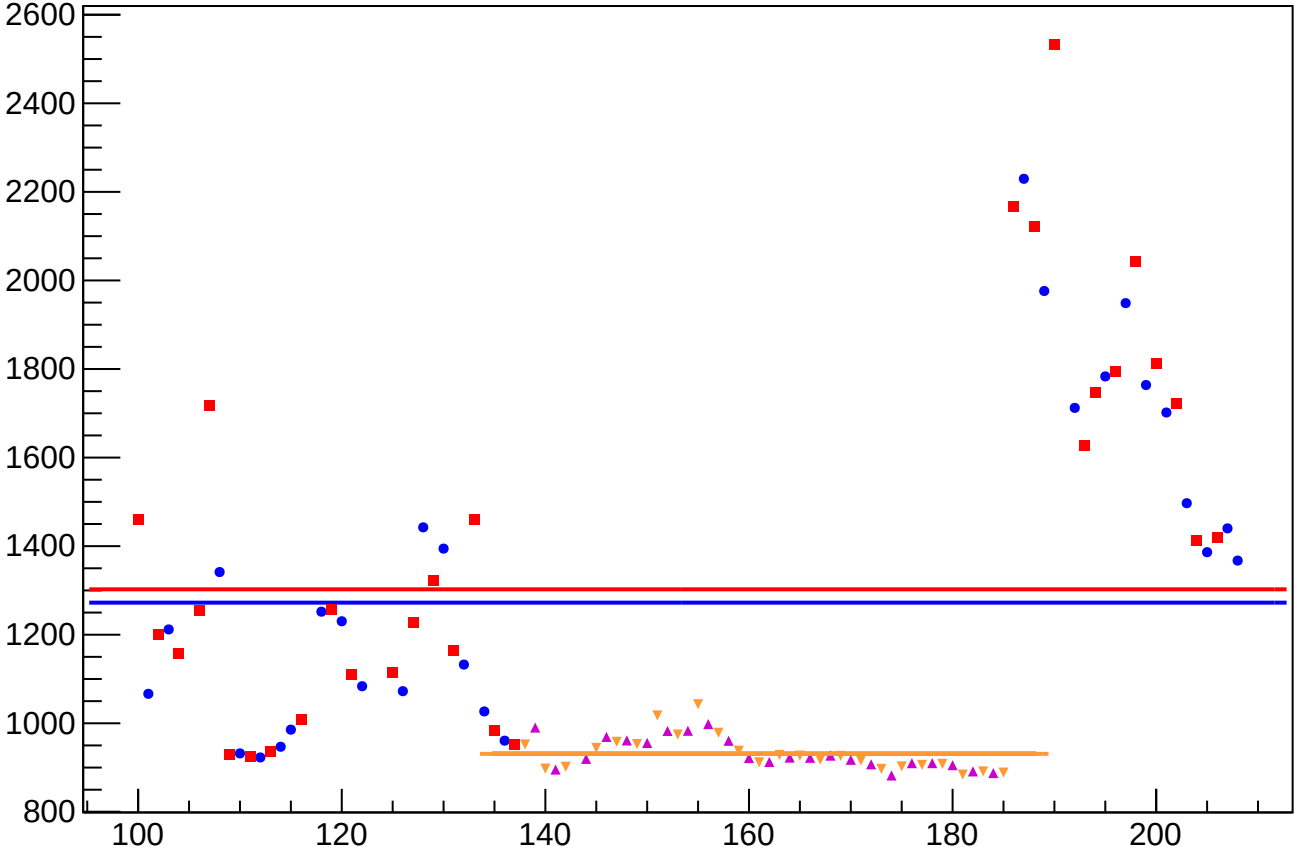
Right: -99.714+/-235.450 χ^2/NDF: 44.6/55

In: -75.436+/-181.548 χ^2/NDF:51.1/49

Out: 24.409+/-182.036 χ^2/NDF:51.6/52

All: -25.648+/-128.546 χ^2/NDF: 102.8/102

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

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

Right Out: 1302.499+/-0.238 χ^2/NDF: 2167962.8/28

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

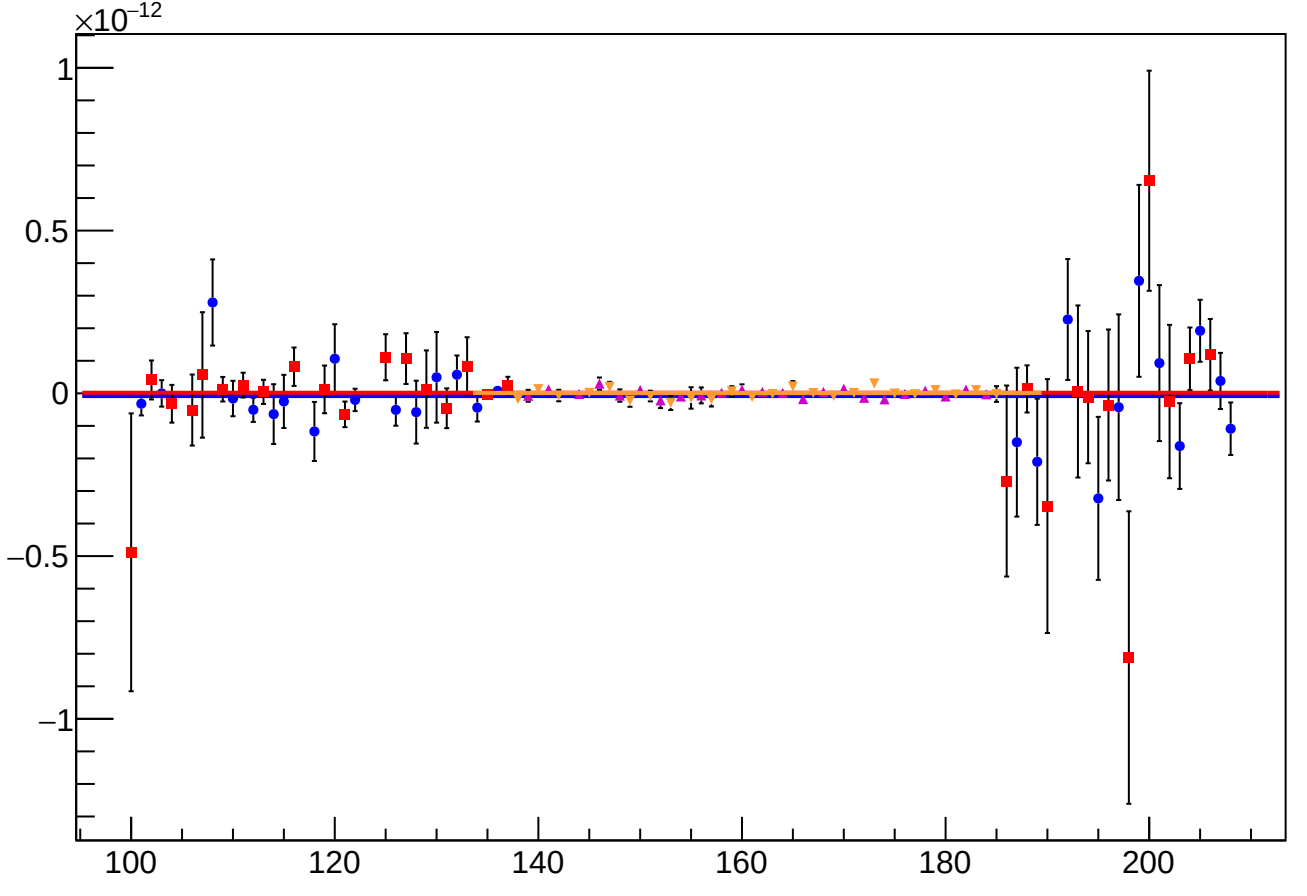
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1287.103+/-0.166 χ^2/NDF: 3844095.3/55

In: 1035.340+/-0.128 χ^2/NDF:3209924.4/49

Out: 1039.296+/-0.129 χ^2/NDF:3951516.4/52

All: 1037.313+/-0.091 χ^2/NDF: 7161914.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/28

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

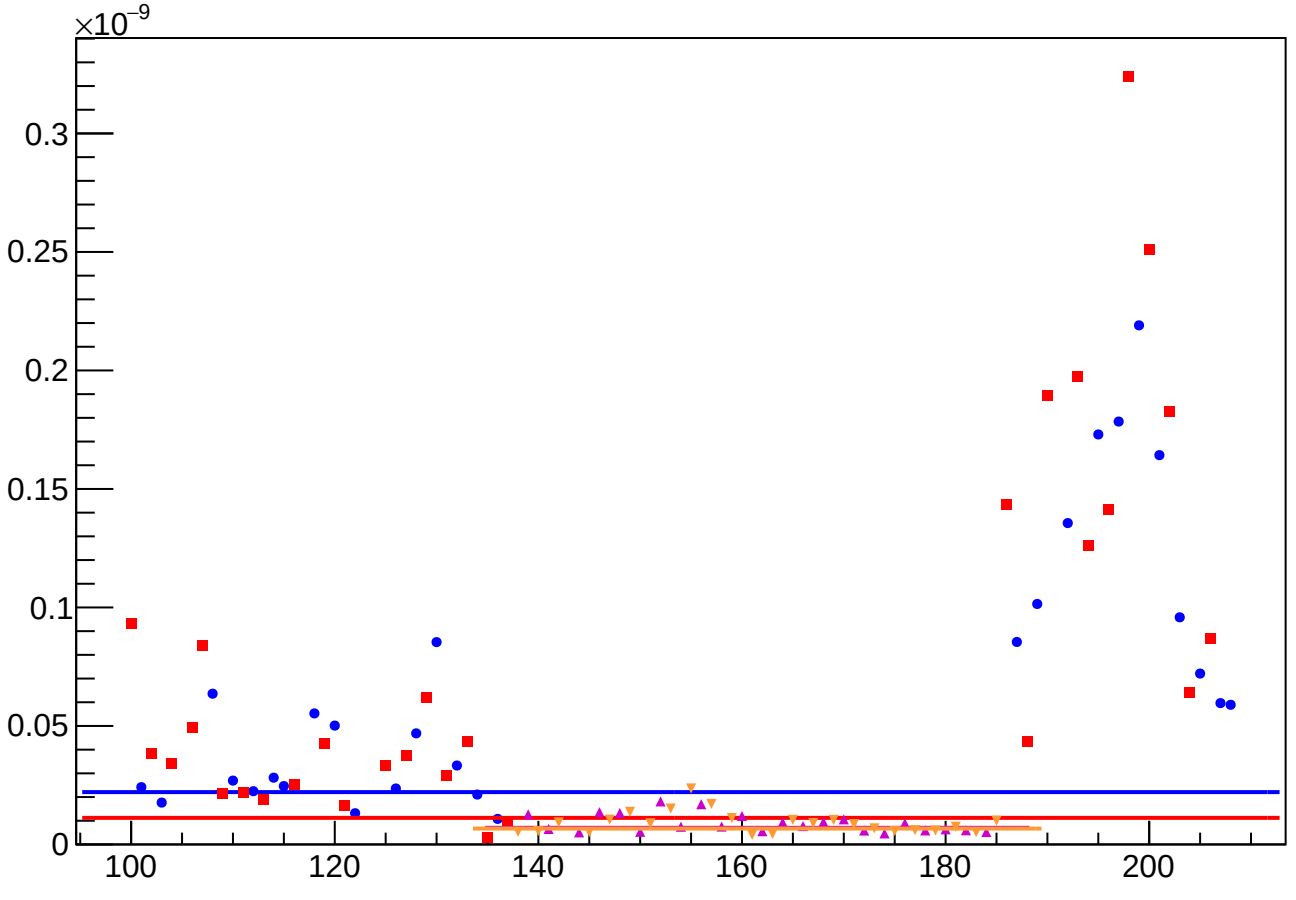
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 53.8/55

In: -0.000+/-0.000 χ^2/NDF:50.5/49

Out: 0.000+/-0.000 χ^2/NDF:51.0/52

All: 0.000+/-0.000 χ^2/NDF: 102.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 8653105.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 13342783.4/28

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

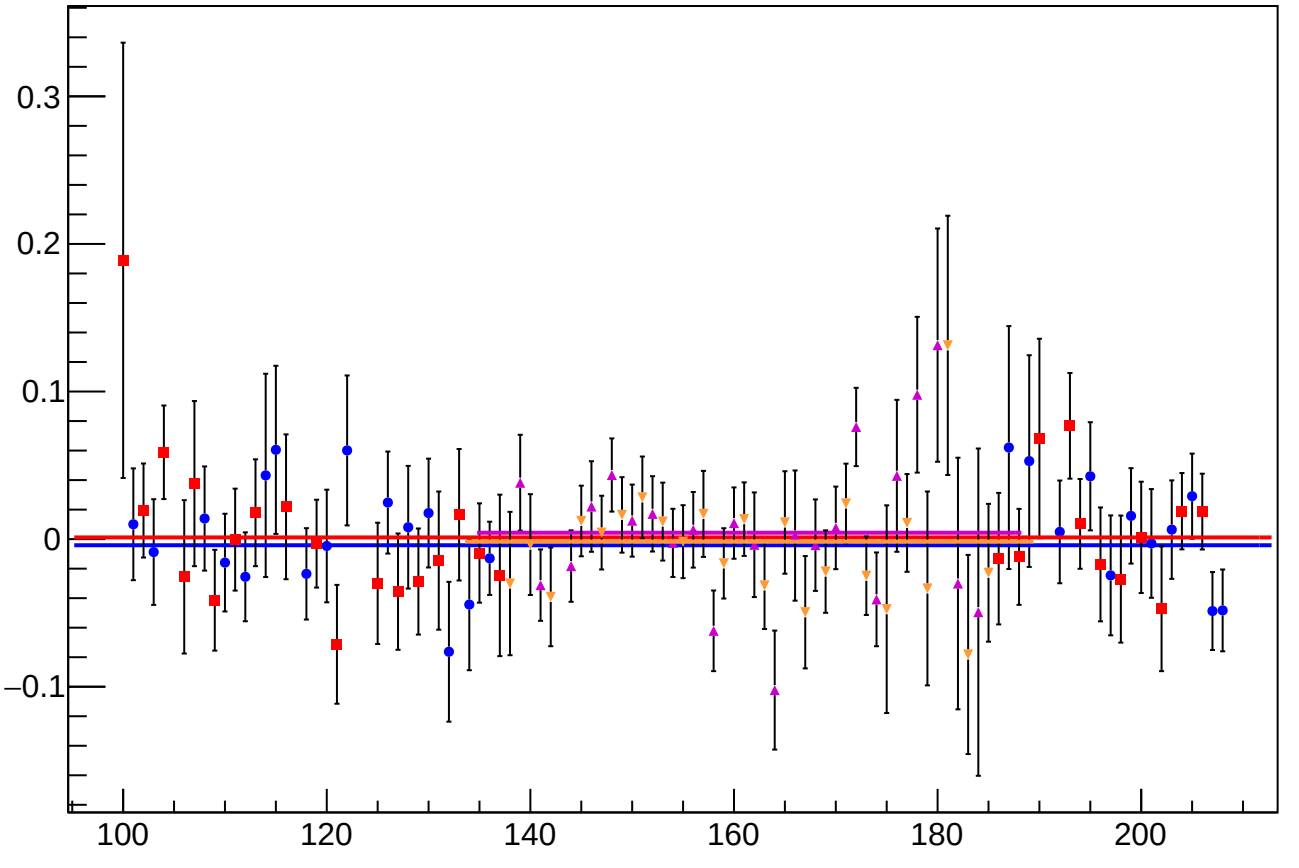
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 23565826.9/55

In: 0.000+/-0.000 χ^2/NDF:15449023.6/49

Out: 0.000+/-0.000 χ^2/NDF:16988042.6/52

All: 0.000+/-0.000 χ^2/NDF: 32540383.7/102



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

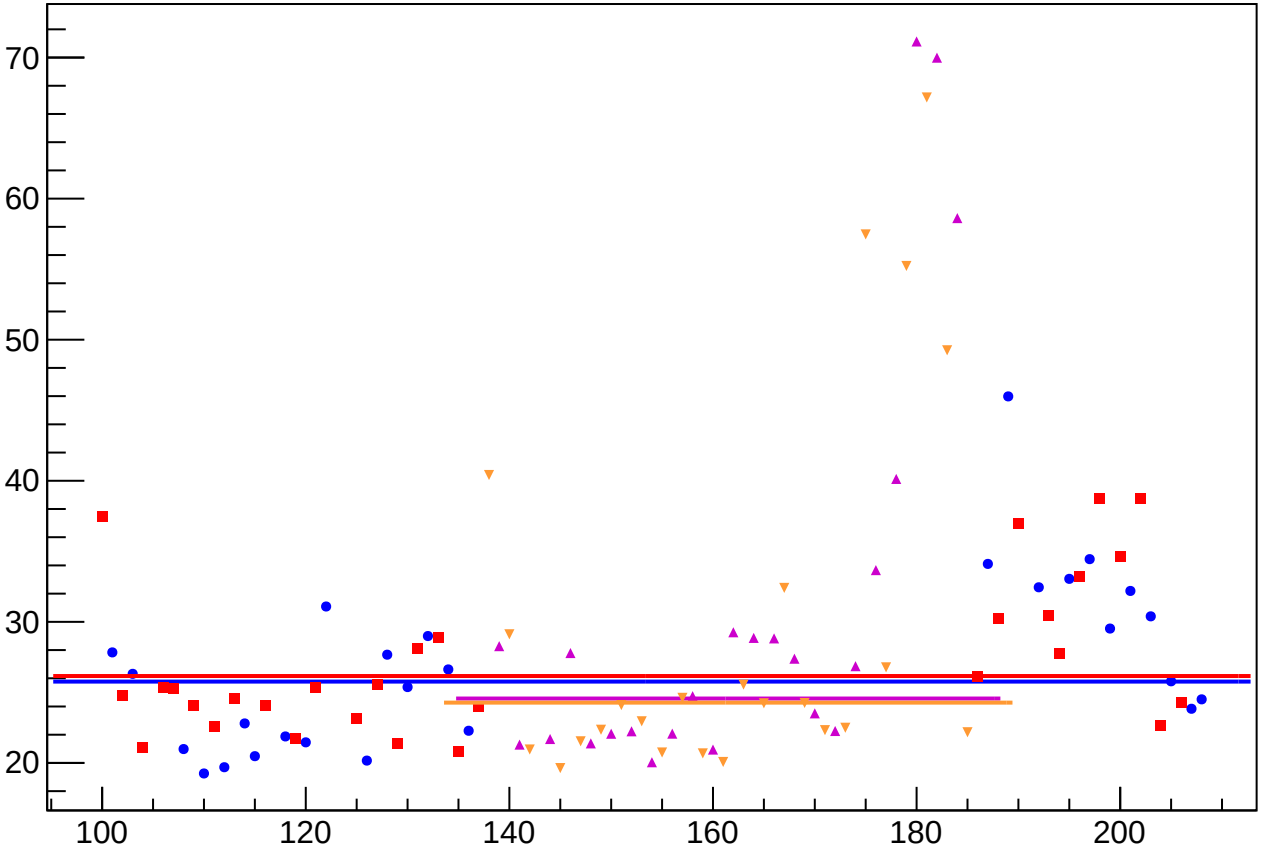
Right: -0.002+/-0.005 χ^2/NDF: 42.5/55

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.000+/-0.003 χ^2/NDF: 94.2/102

asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

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

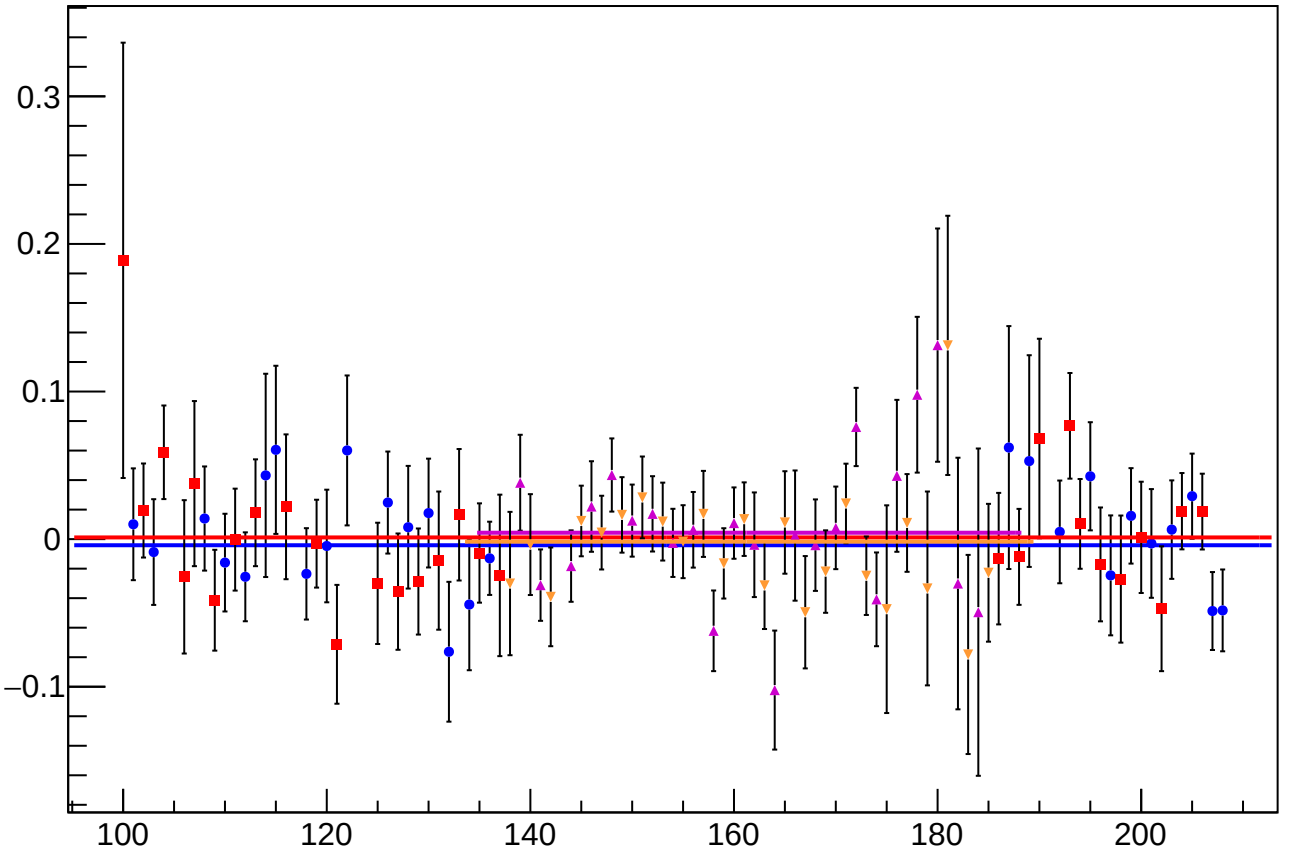
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 25.962+/-0.003 χ^2/NDF: 1918085.9/55

In: 25.115+/-0.003 χ^2/NDF:3138233.2/49

Out: 25.127+/-0.003 χ^2/NDF:3332613.8/52

All: 25.121+/-0.002 χ^2/NDF: 6470853.9/102



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

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

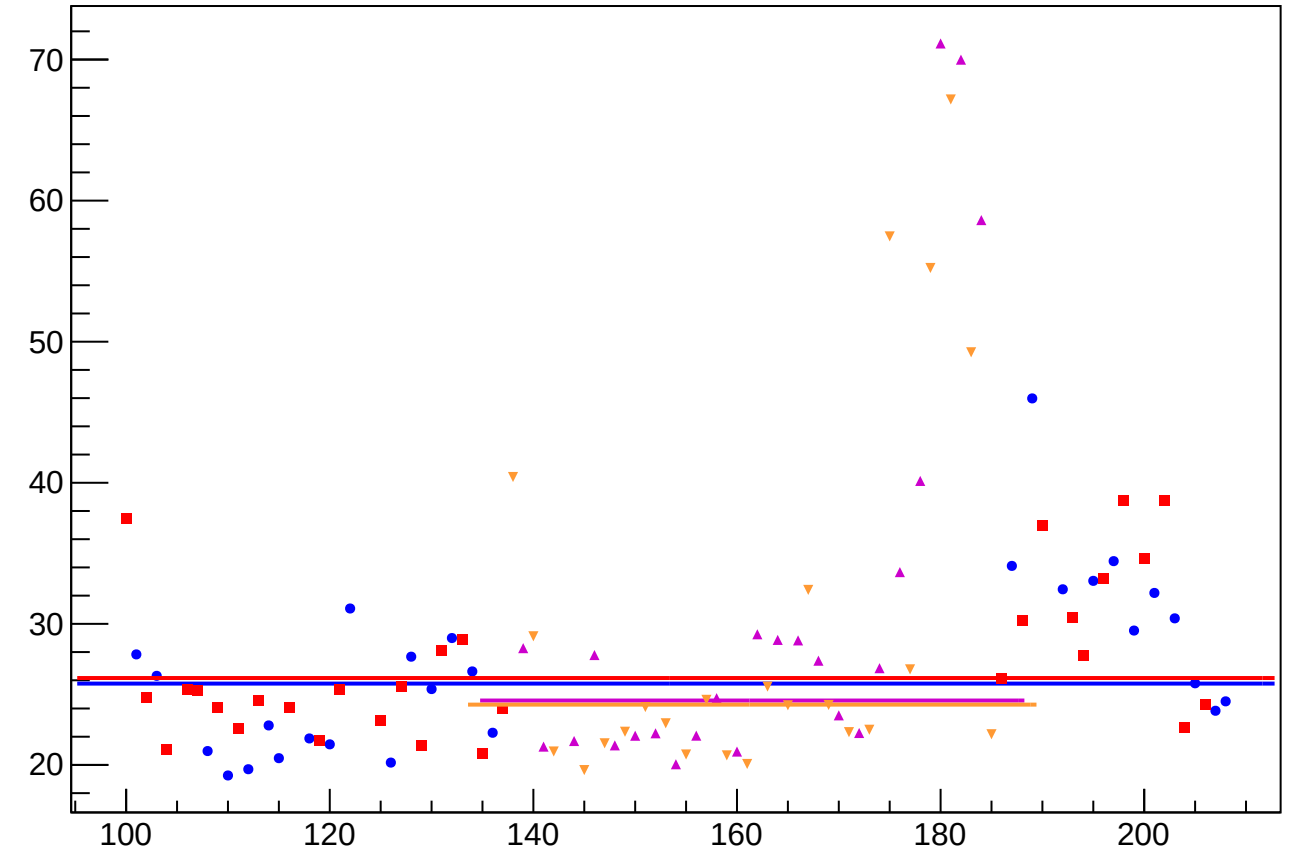
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.005 χ^2/NDF: 42.5/55

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.000+/-0.003 χ^2/NDF: 94.2/102



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

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

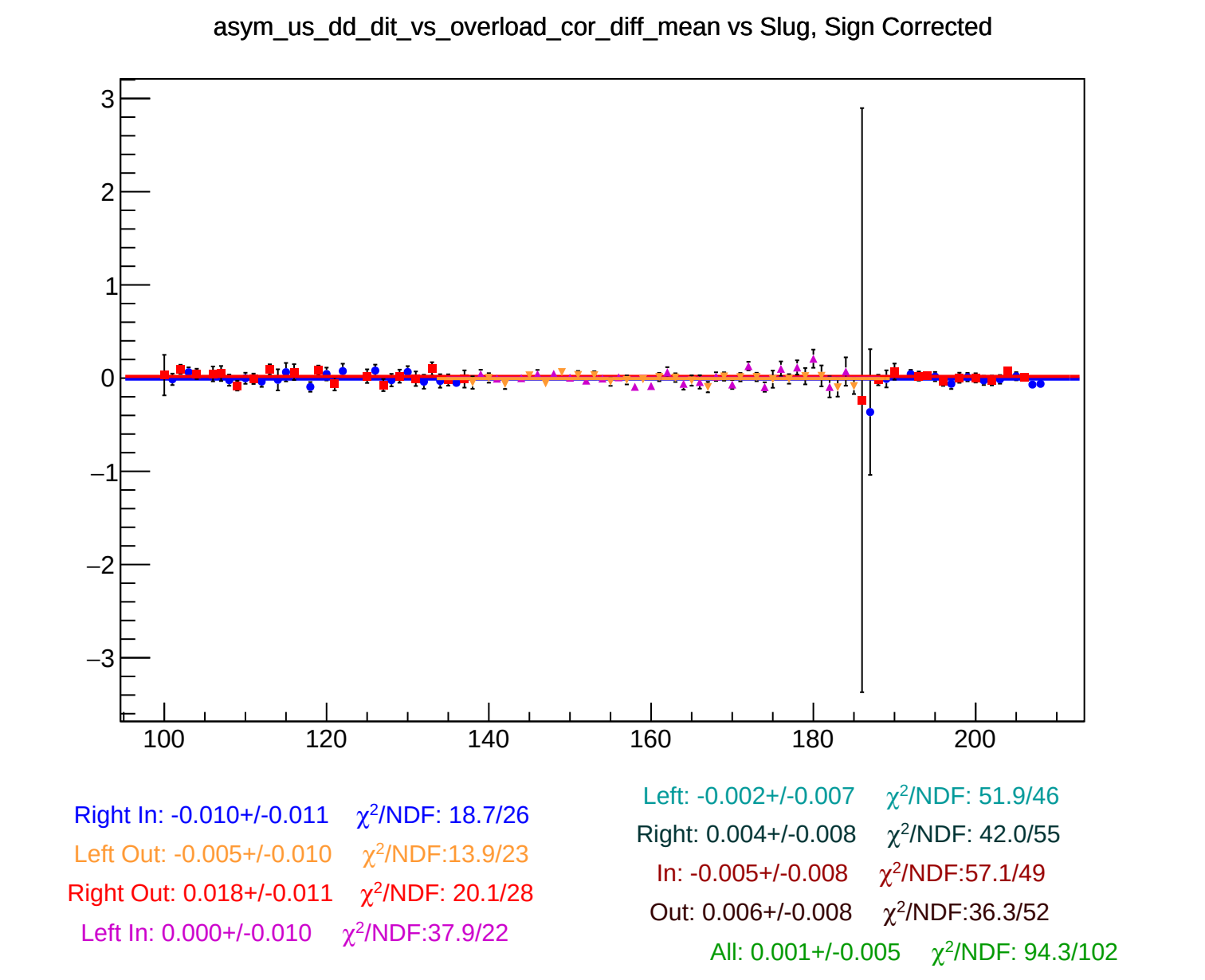
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

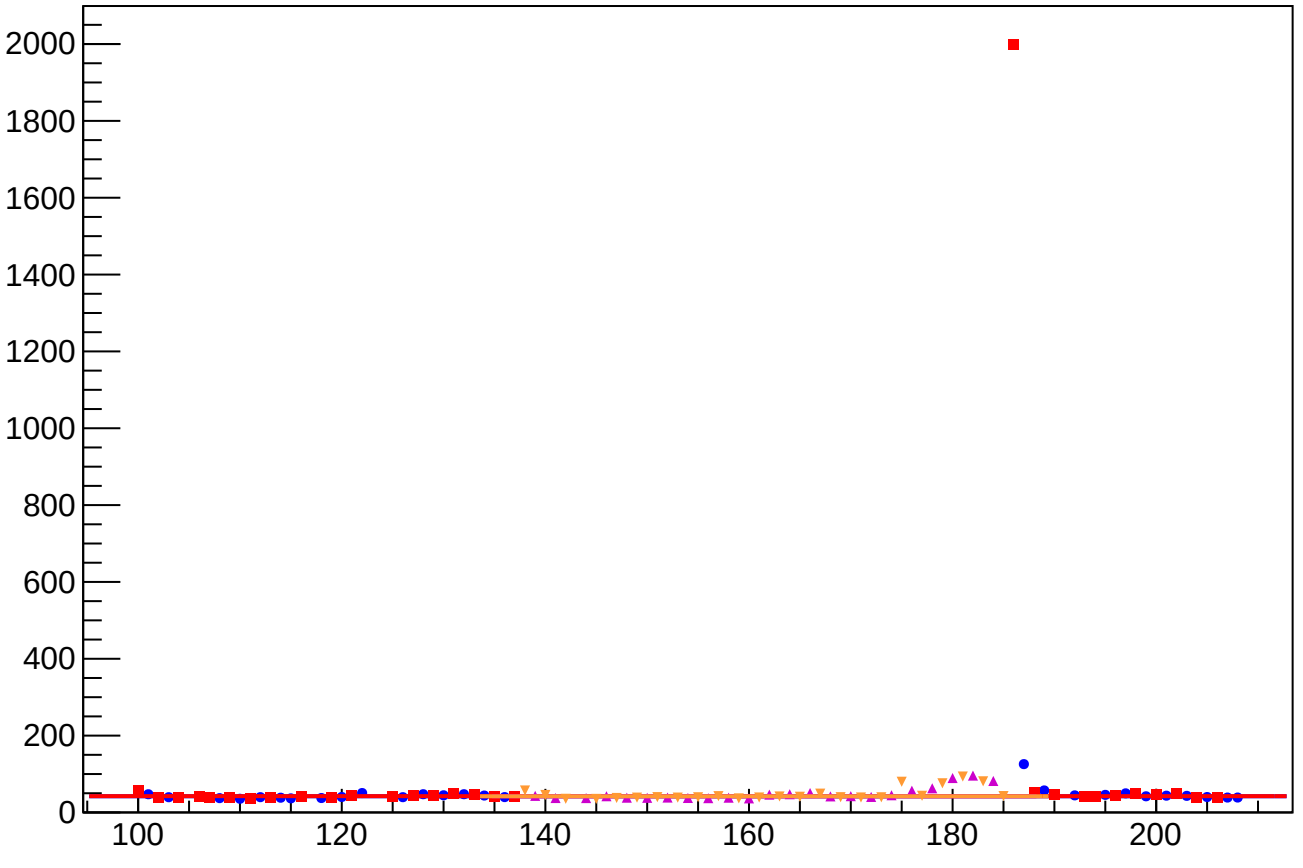
Right: 25.962+/-0.003 χ^2/NDF: 1918085.9/55

In: 25.115+/-0.003 χ^2/NDF:3138233.2/49

Out: 25.127+/-0.003 χ^2/NDF:3332613.8/52

All: 25.121+/-0.002 χ^2/NDF: 6470853.9/102


asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.010+/-0.011 χ²/NDF: 18.7/26
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: 0.018+/-0.011 χ²/NDF: 20.1/28
Left In: 0.000+/-0.010 χ²/NDF:37.9/22
Left: -0.002+/-0.007 χ²/NDF: 51.9/46
Right: 0.004+/-0.008 χ²/NDF: 42.0/55
In: -0.005+/-0.008 χ²/NDF:57.1/49
Out: 0.006+/-0.008 χ²/NDF:36.3/52
All: 0.001+/-0.005 χ²/NDF: 94.3/102



Right In: 42.105+/-0.008 χ^2/NDF: 311895.2/26

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

Right Out: 42.435+/-0.008 χ^2/NDF: 1059292.5/28

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

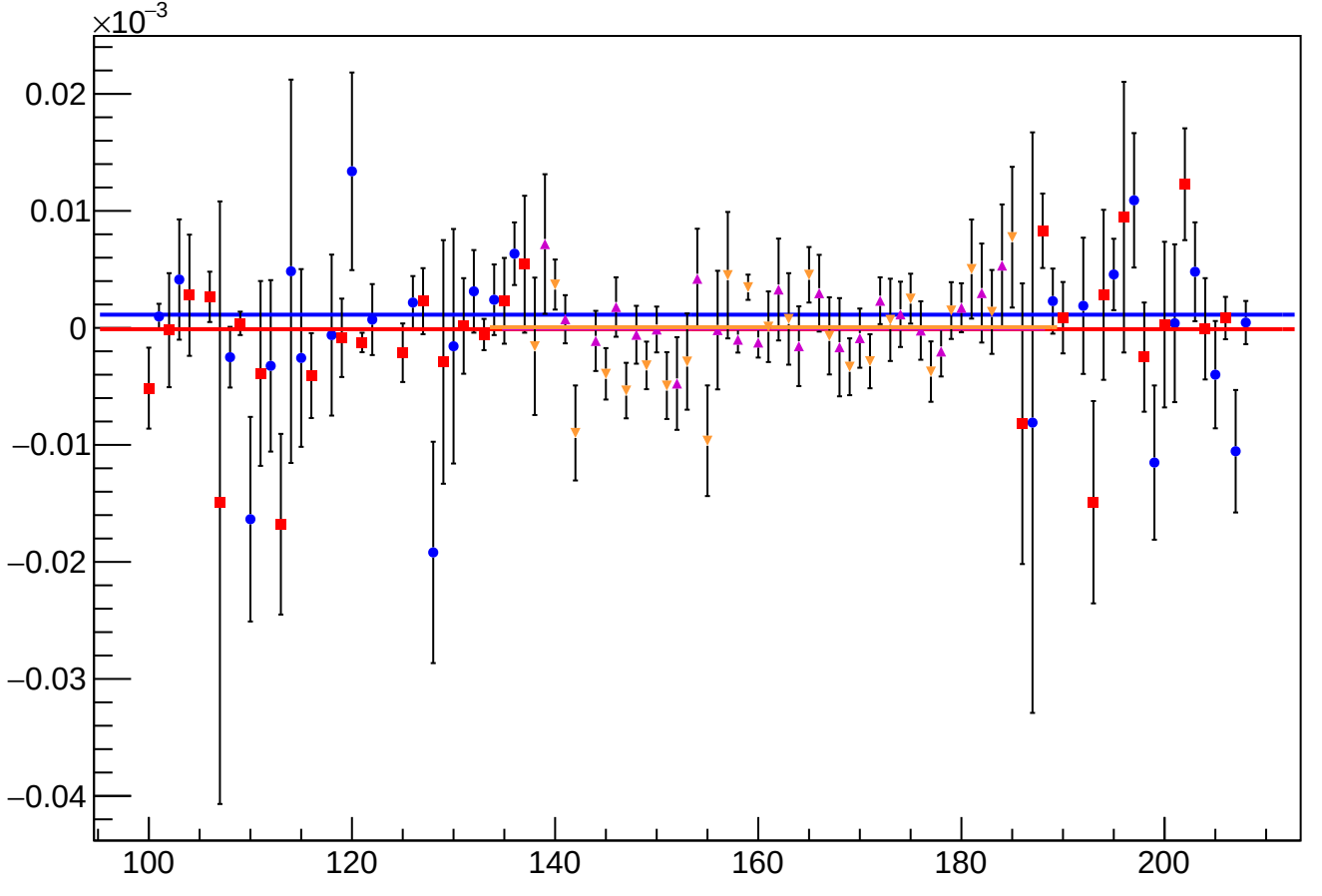
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.269+/-0.005 χ^2/NDF: 1372090.5/55

In: 42.091+/-0.005 χ^2/NDF:1855407.4/49

Out: 42.251+/-0.005 χ^2/NDF:2776386.1/52

All: 42.171+/-0.004 χ^2/NDF: 4632247.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/28

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

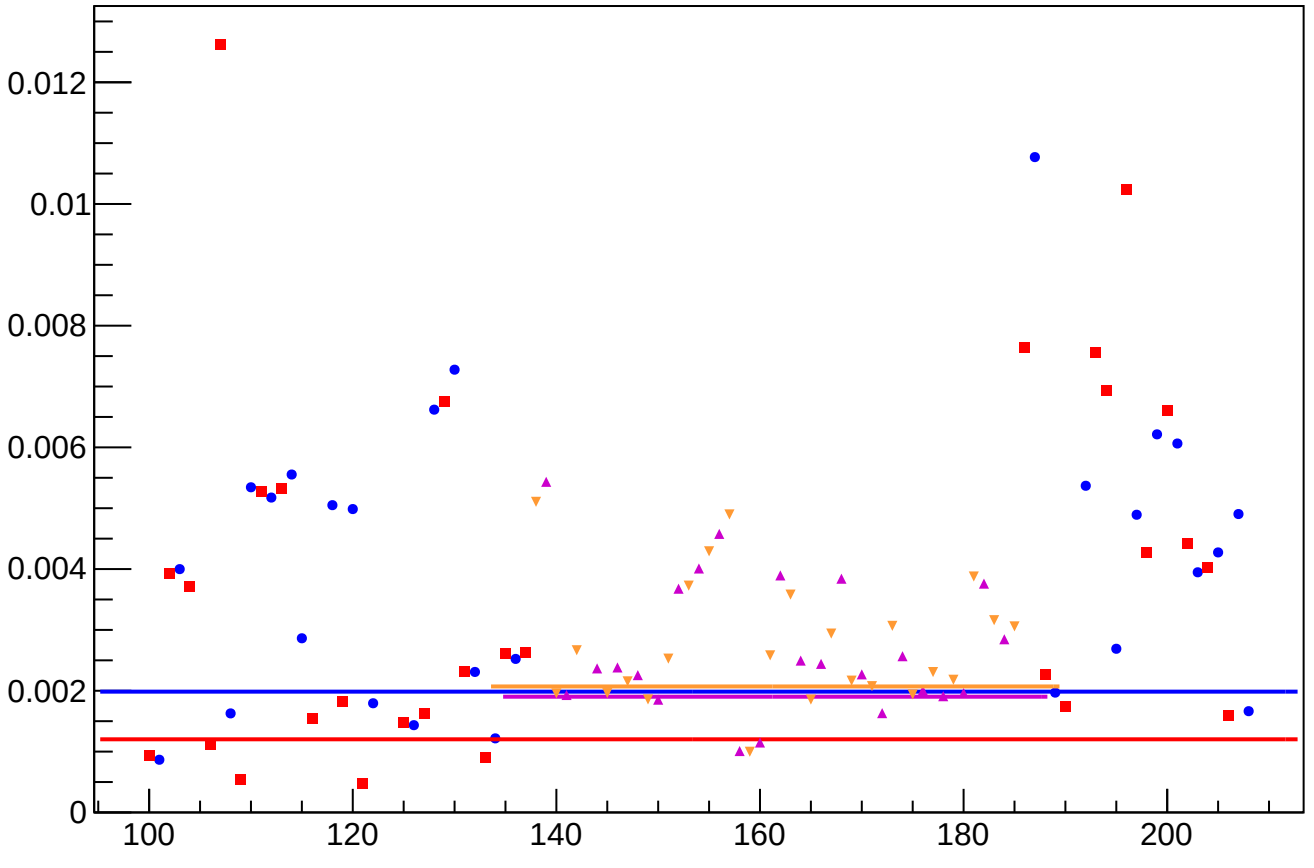
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 70.3/55

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: -0.000+/-0.000 χ^2/NDF:85.9/52

All: 0.000+/-0.000 χ^2/NDF: 135.4/102



Right In: 0.002+/-0.000 χ^2/NDF: 10015703.6/26

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

Right Out: 0.001+/-0.000 χ^2/NDF: 14700381.7/28

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

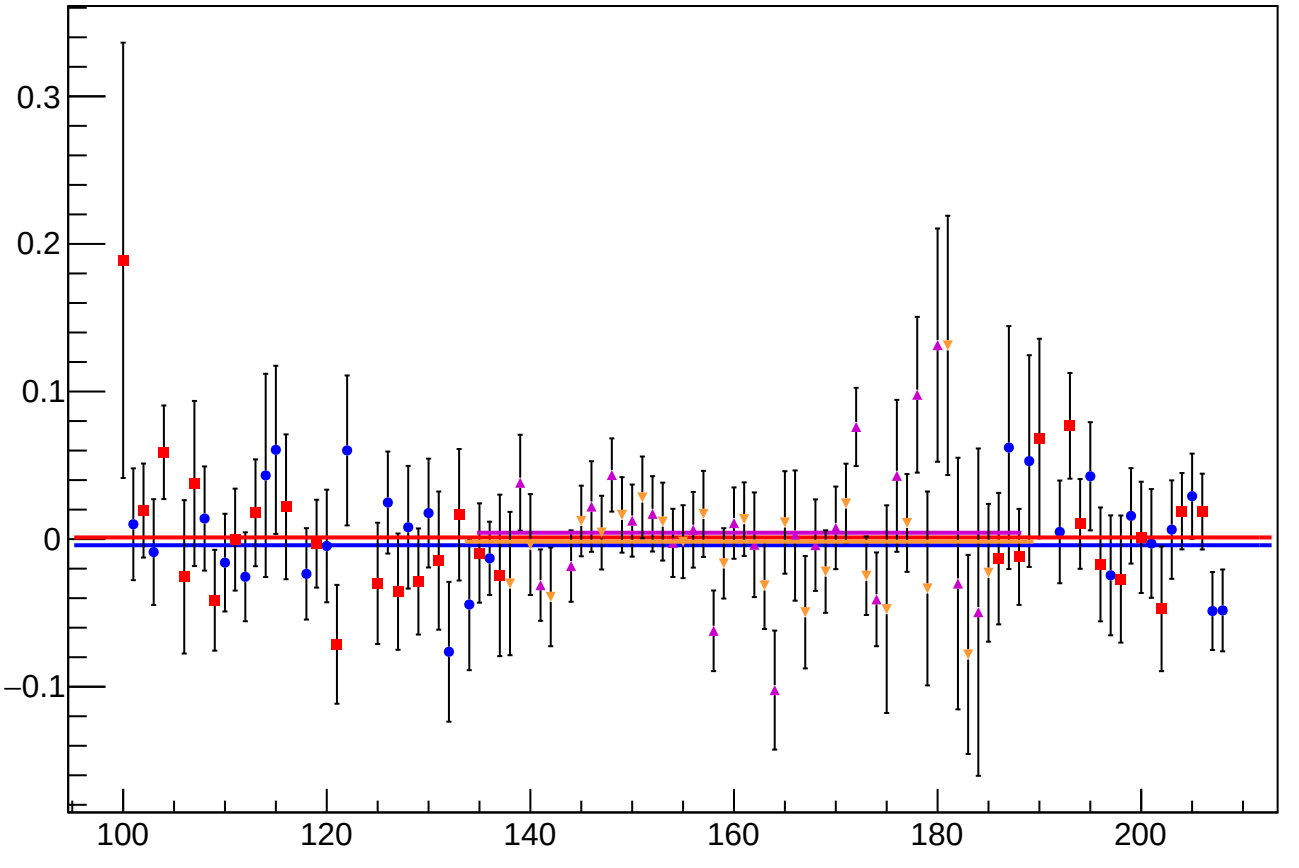
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 26756848.9/55

In: 0.002+/-0.000 χ^2/NDF:15973471.7/49

Out: 0.002+/-0.000 χ^2/NDF:23077359.2/52

All: 0.002+/-0.000 χ^2/NDF: 39992856.9/102



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

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

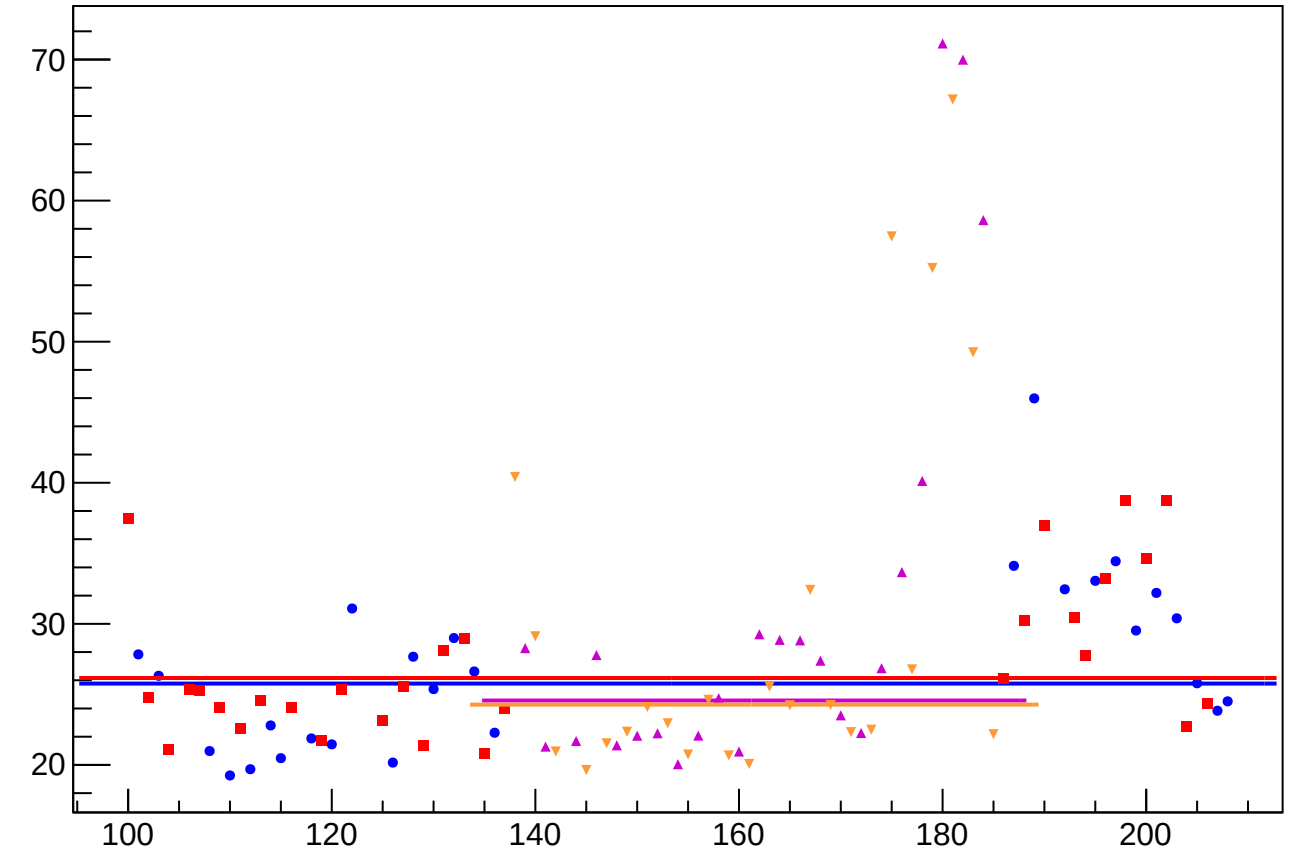
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.002+/-0.005 χ^2/NDF: 42.4/55

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.000+/-0.003 χ^2/NDF: 94.2/102



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

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

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

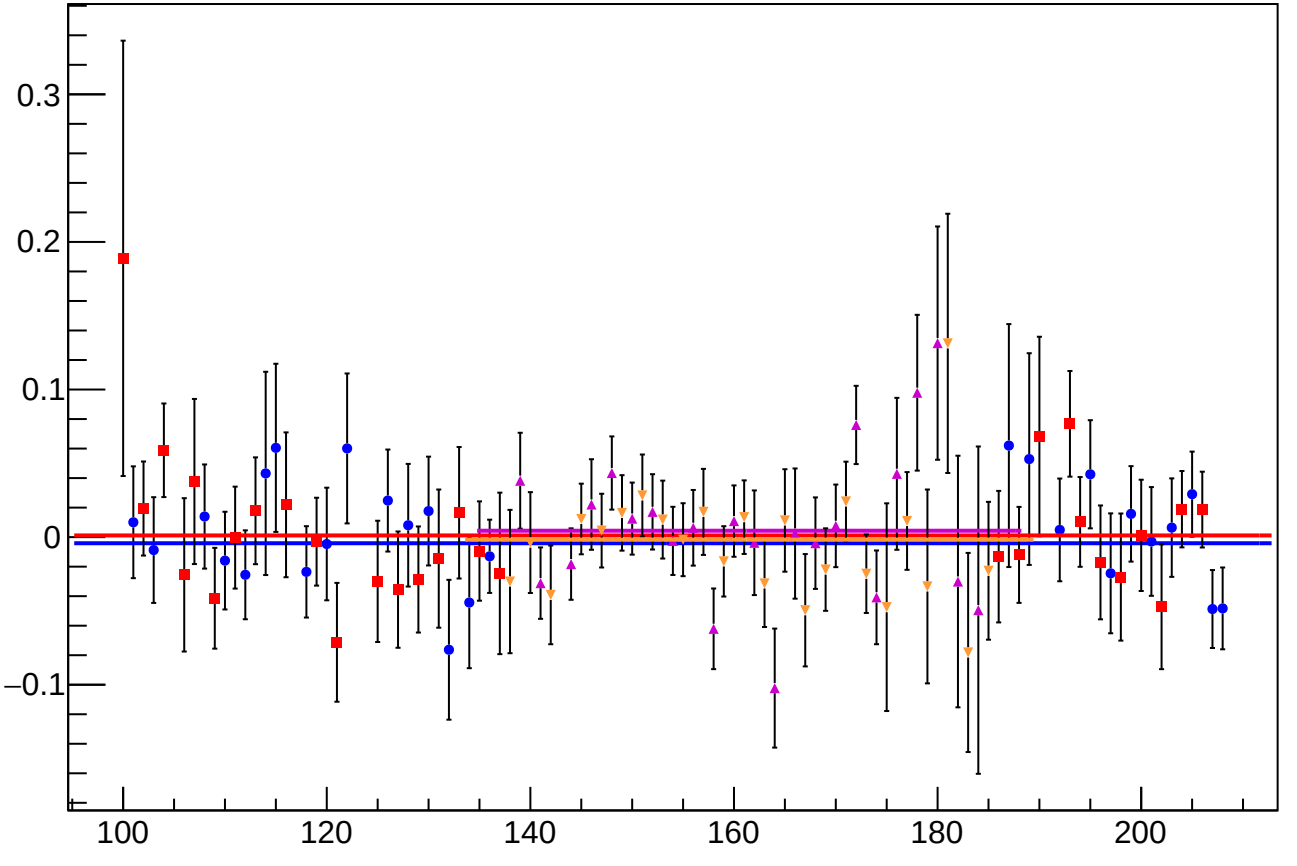
Right: 25.962+/-0.003 χ^2/NDF: 1917974.9/55

In: 25.115+/-0.003 χ^2/NDF:3138037.8/49

Out: 25.128+/-0.003 χ^2/NDF:3332546.1/52

All: 25.121+/-0.002 χ^2/NDF: 6470591.1/102

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.001+/-0.007 χ^2/NDF: 22.5/28

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

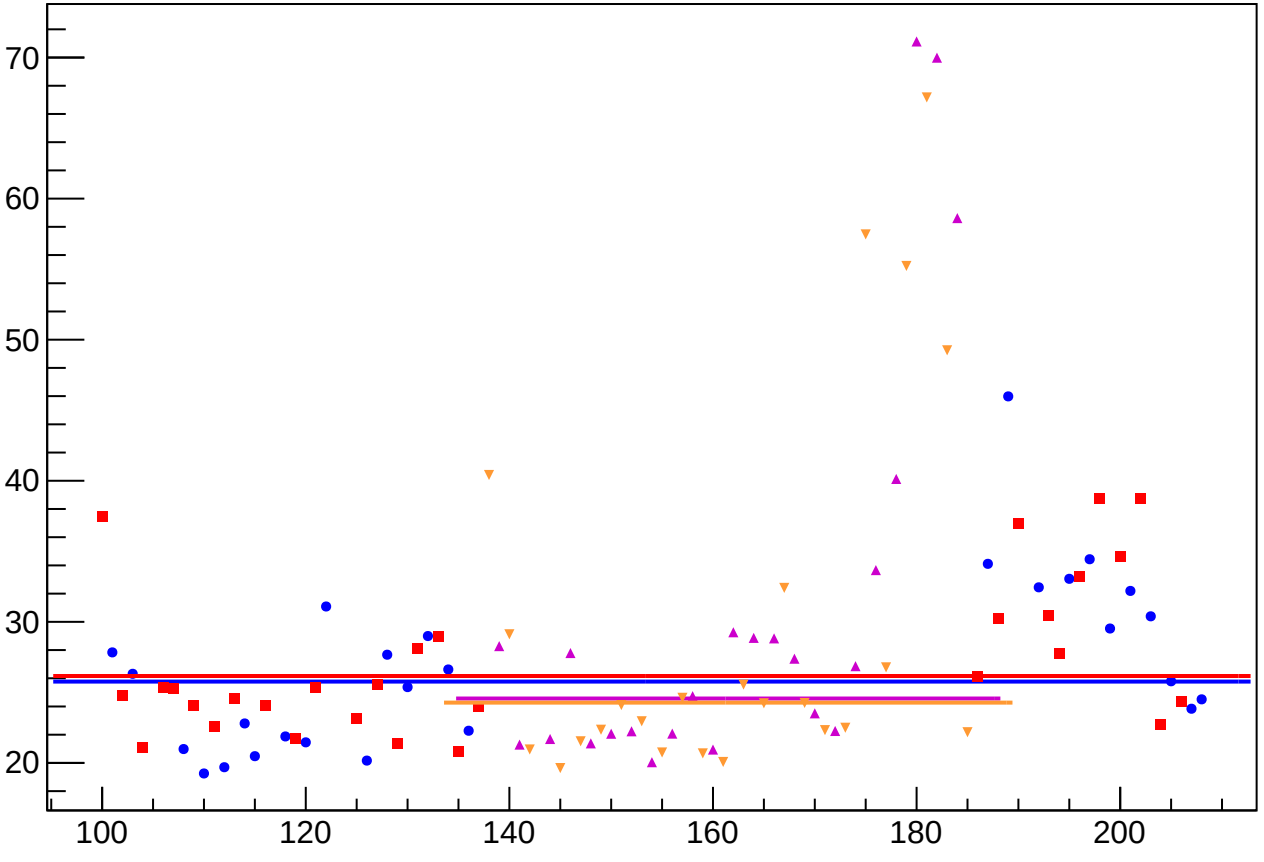
Right: -0.002+/-0.005 χ^2/NDF: 42.4/55

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.000+/-0.003 χ^2/NDF: 94.2/102

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

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

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

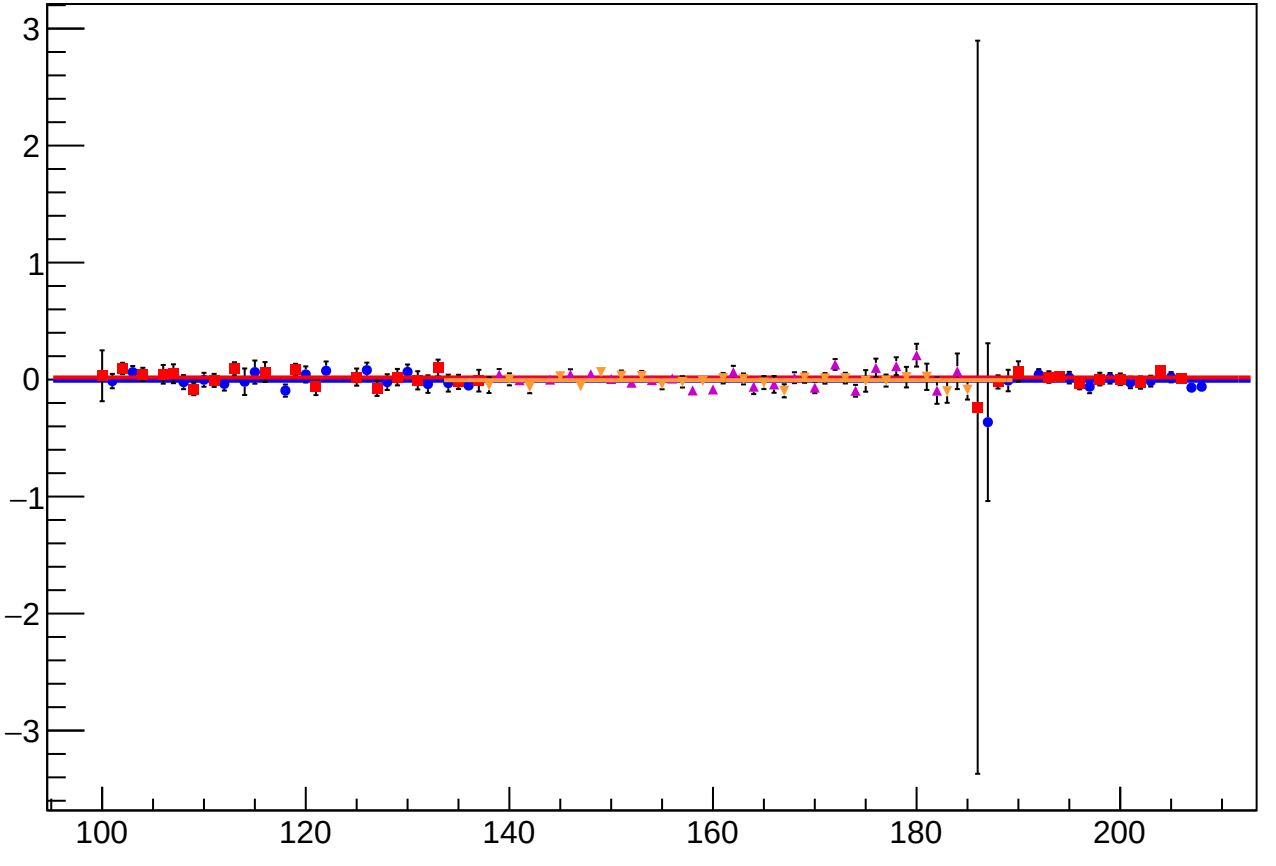
Right: 25.962+/-0.003 χ^2/NDF: 1917974.9/55

In: 25.115+/-0.003 χ^2/NDF:3138037.8/49

Out: 25.128+/-0.003 χ^2/NDF:3332546.1/52

All: 25.121+/-0.002 χ^2/NDF: 6470591.1/102

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

Right Out: 0.018+/-0.011 χ^2/NDF: 20.1/28

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

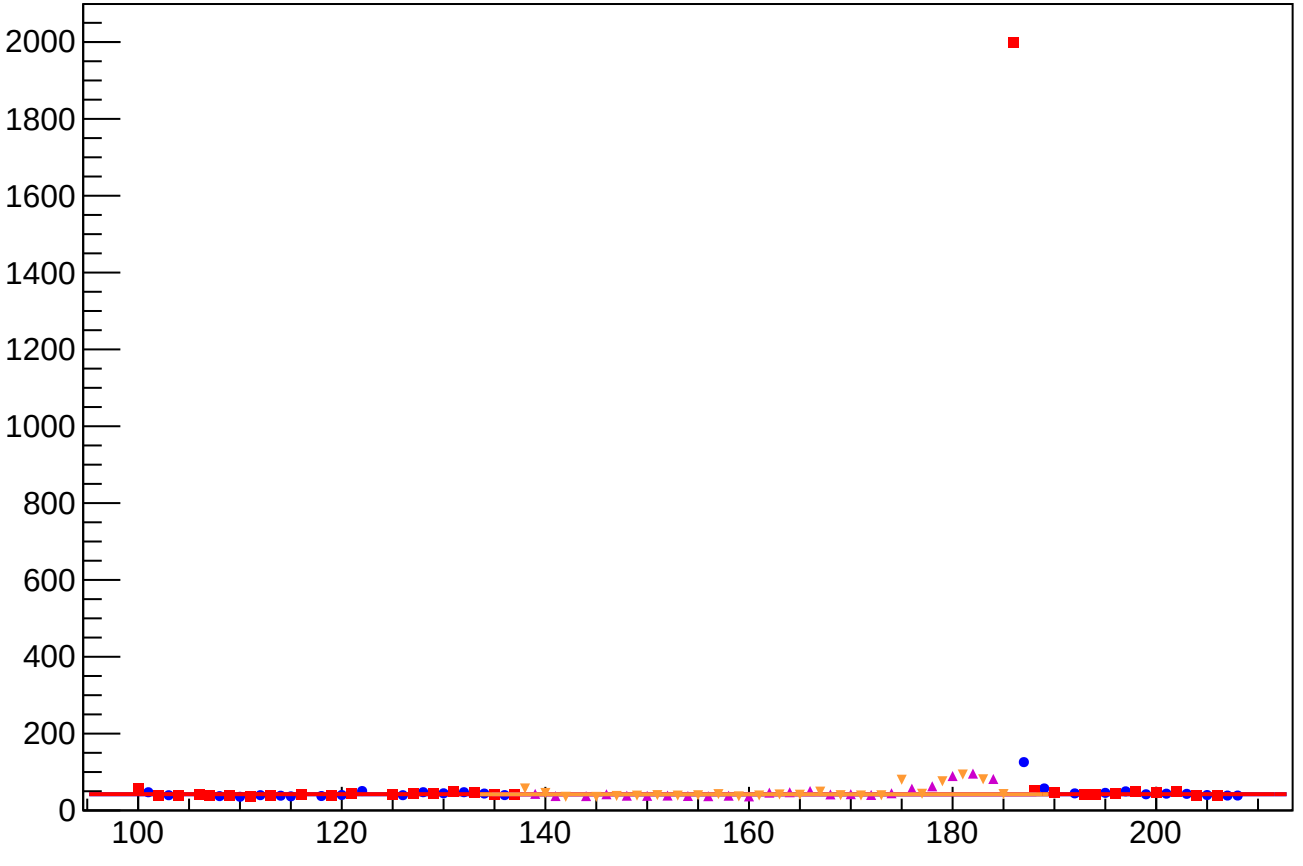
Right: 0.004+/-0.008 χ^2/NDF: 42.0/55

In: -0.005+/-0.008 χ^2/NDF:57.1/49

Out: 0.006+/-0.008 χ^2/NDF:36.3/52

All: 0.001+/-0.005 χ^2/NDF: 94.3/102

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.105+/-0.008 χ^2/NDF: 311849.2/26

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

Right Out: 42.435+/-0.008 χ^2/NDF: 1059279.5/28

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

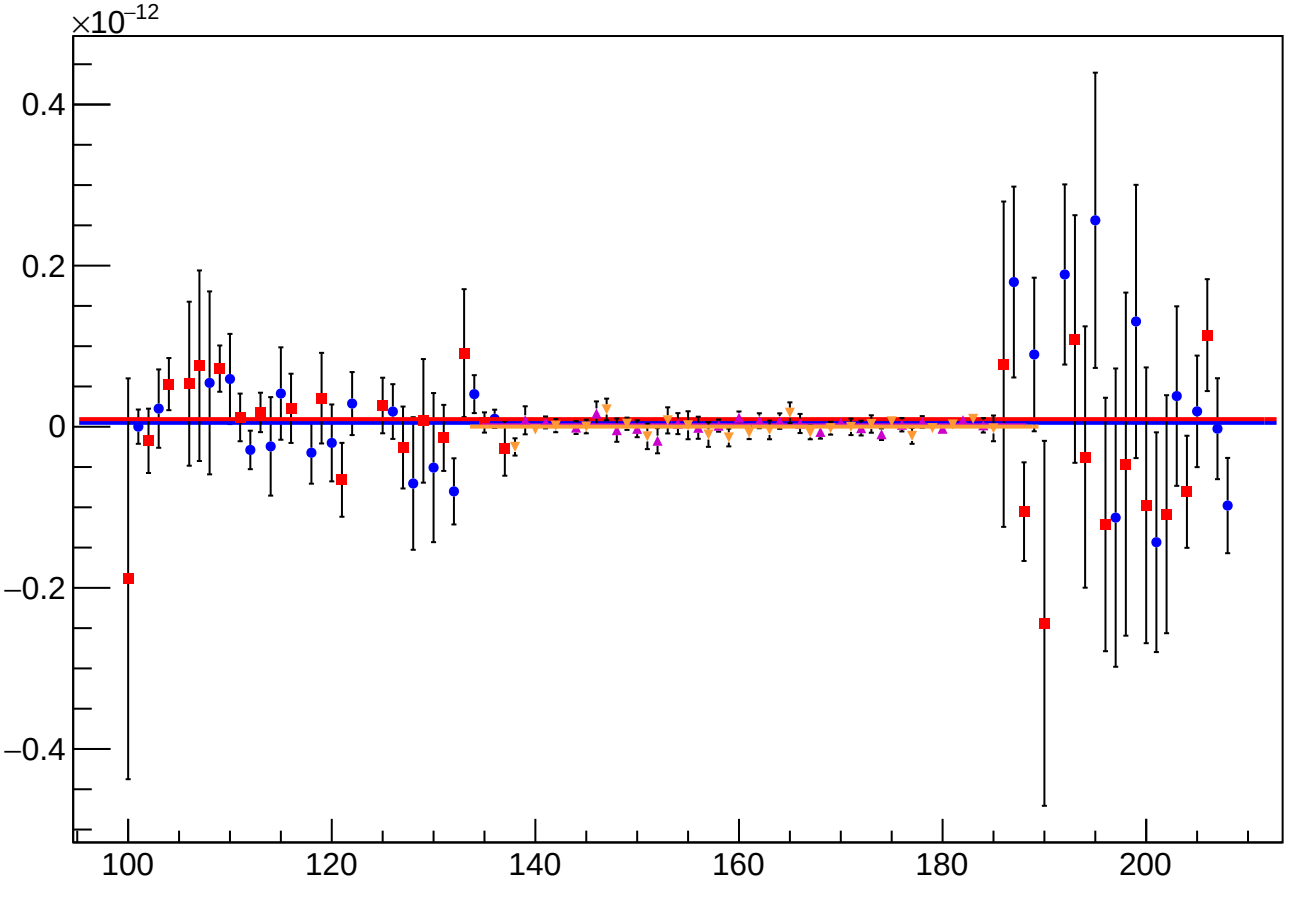
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.269+/-0.005 χ^2/NDF: 1372032.2/55

In: 42.091+/-0.005 χ^2/NDF:1855336.9/49

Out: 42.252+/-0.005 χ^2/NDF:2776363.8/52

All: 42.171+/-0.004 χ^2/NDF: 4632154.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

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

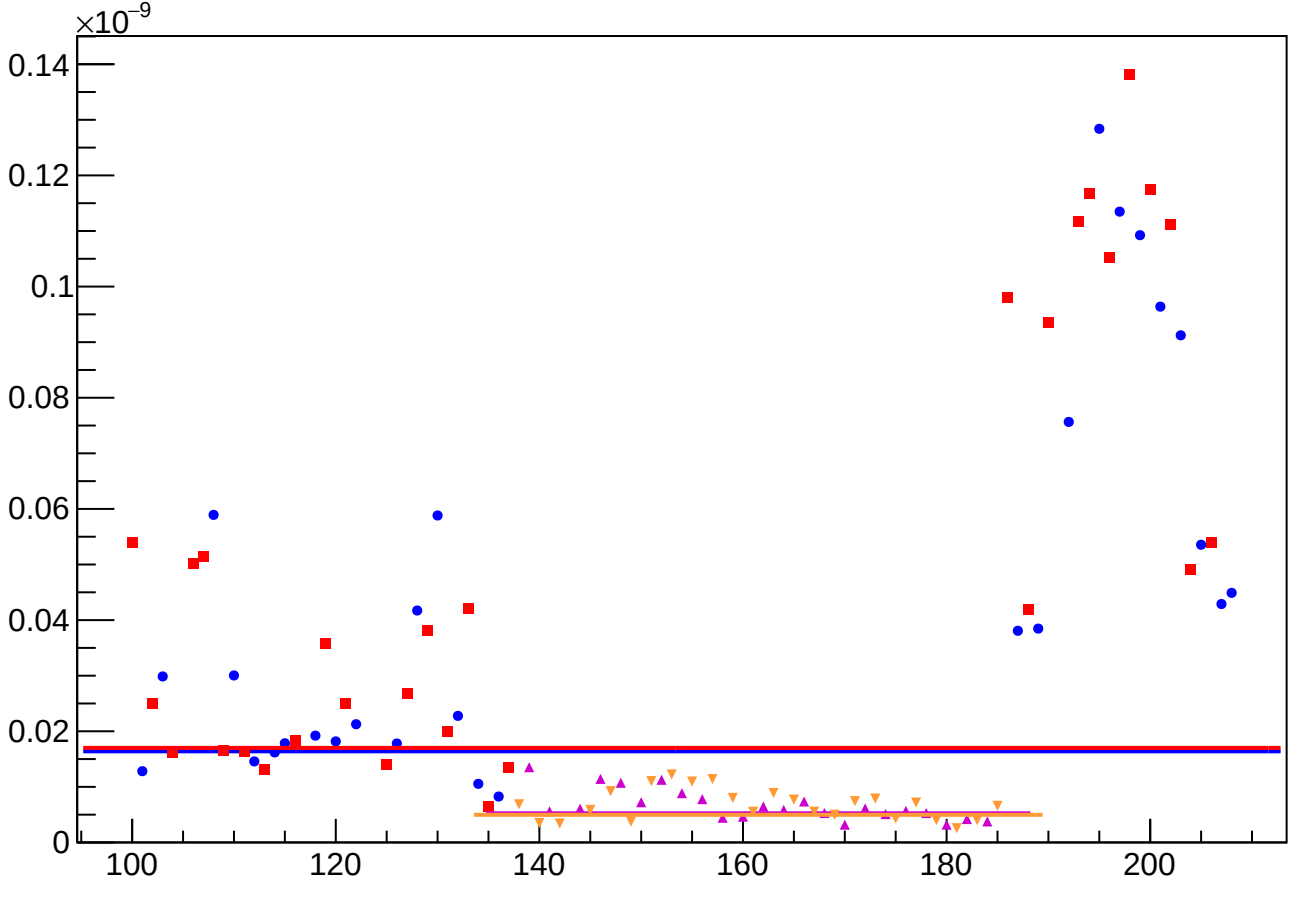
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 52.5/55

In: 0.000+/-0.000 χ^2/NDF:38.4/49

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: 0.000+/-0.000 χ^2/NDF: 87.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 8093939.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8894617.1/28

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

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

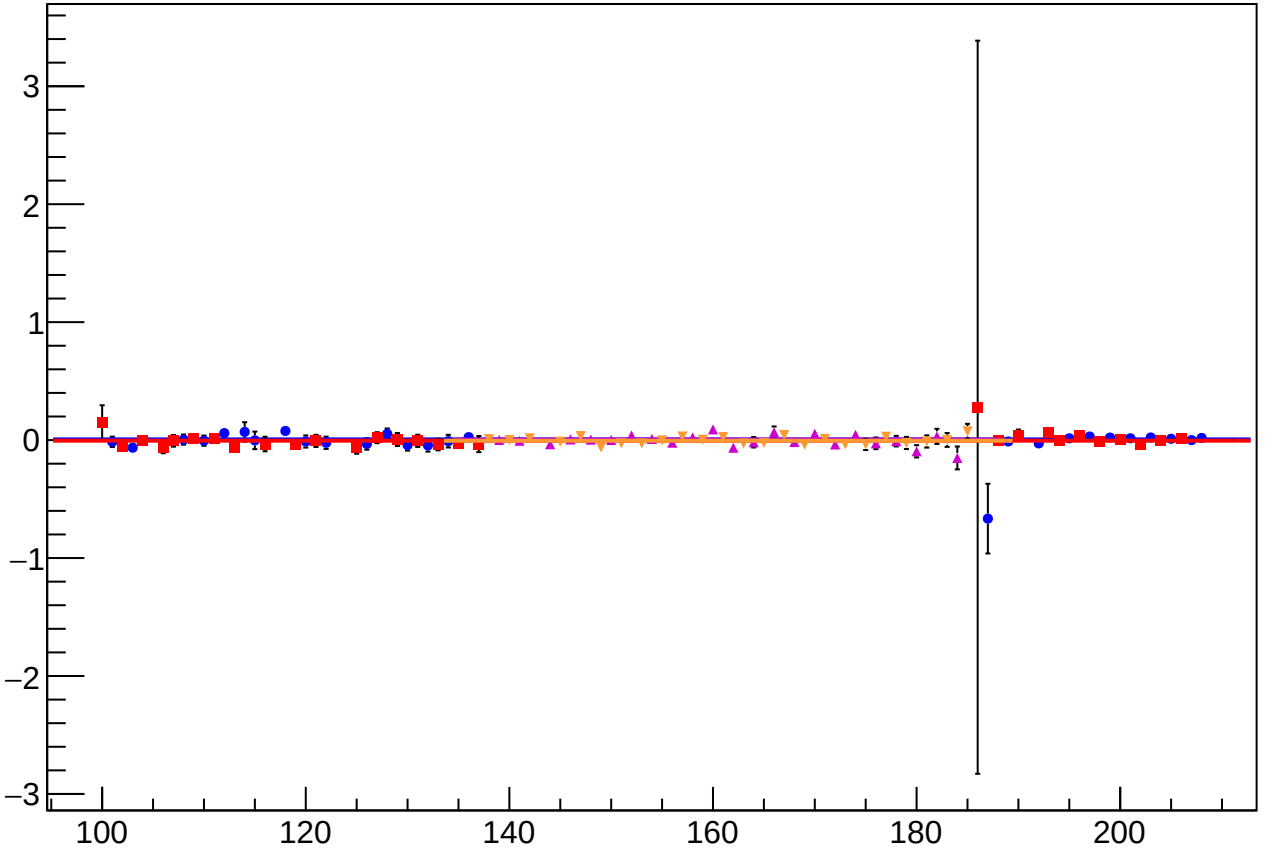
Right: 0.000+/-0.000 χ^2/NDF: 16995652.1/55

In: 0.000+/-0.000 χ^2/NDF:15310791.4/49

Out: 0.000+/-0.000 χ^2/NDF:17251049.1/52

All: 0.000+/-0.000 χ^2/NDF: 32604311.4/102

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: -0.005+/-0.007 χ^2/NDF: 22.7/28

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

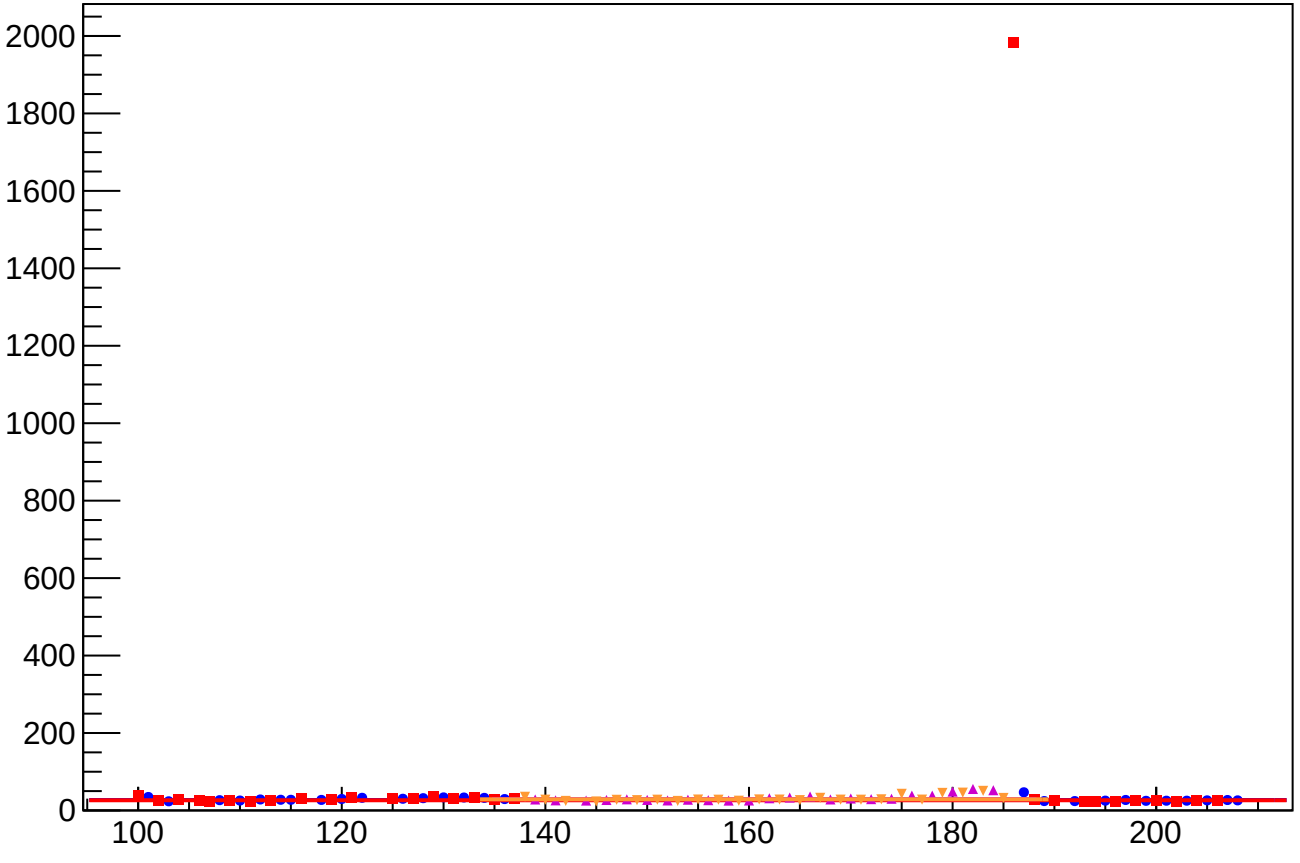
Right: 0.000+/-0.005 χ^2/NDF: 48.3/55

In: 0.005+/-0.005 χ^2/NDF:55.6/49

Out: -0.005+/-0.005 χ^2/NDF:39.5/52

All: -0.000+/-0.004 χ^2/NDF: 97.1/102

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

Right Out: 26.374+/-0.005 χ^2/NDF: 1105968.1/28

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

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

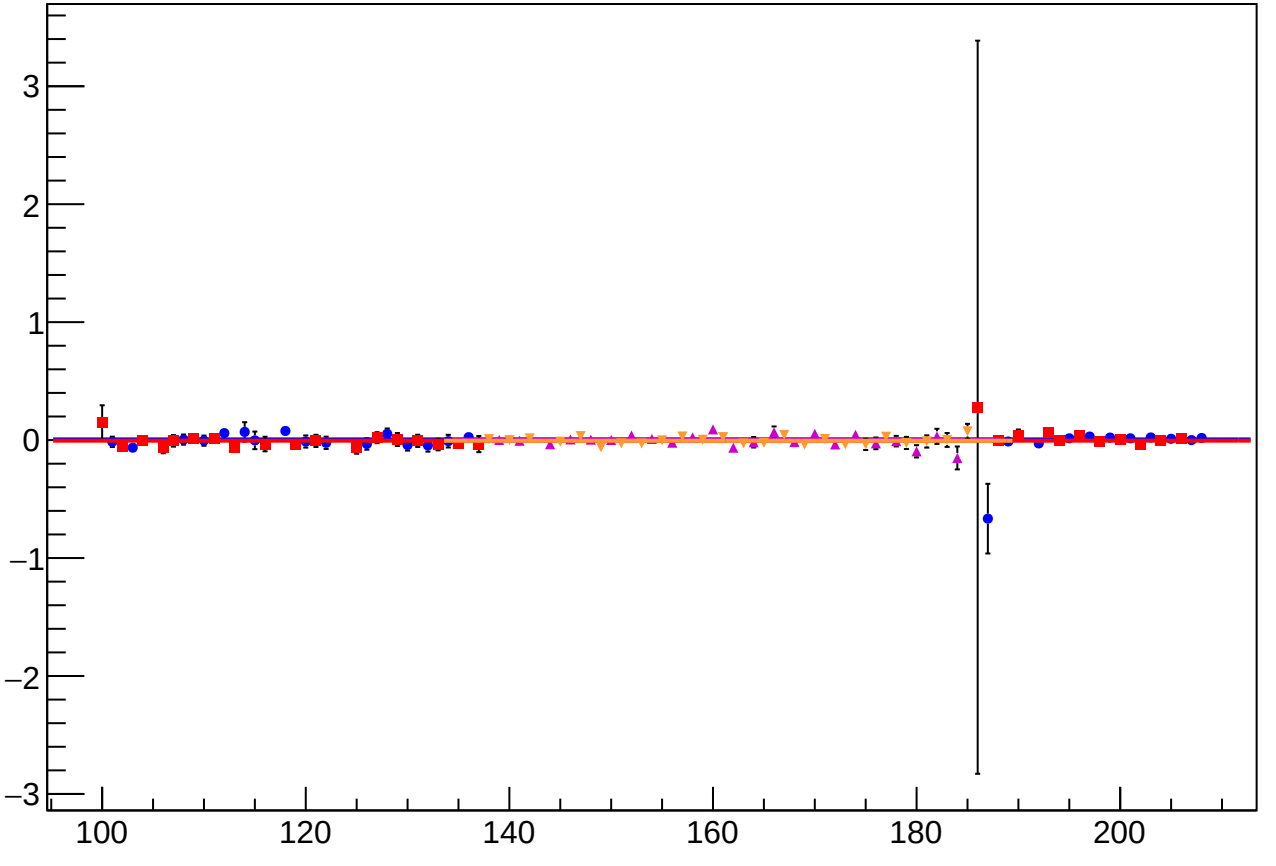
Right: 26.674+/-0.004 χ^2/NDF: 1445210.7/55

In: 28.106+/-0.004 χ^2/NDF:1573311.9/49

Out: 27.565+/-0.004 χ^2/NDF:2394130.1/52

All: 27.831+/-0.003 χ^2/NDF: 3979136.3/102

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: -0.005+/-0.007 χ^2/NDF: 22.7/28

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

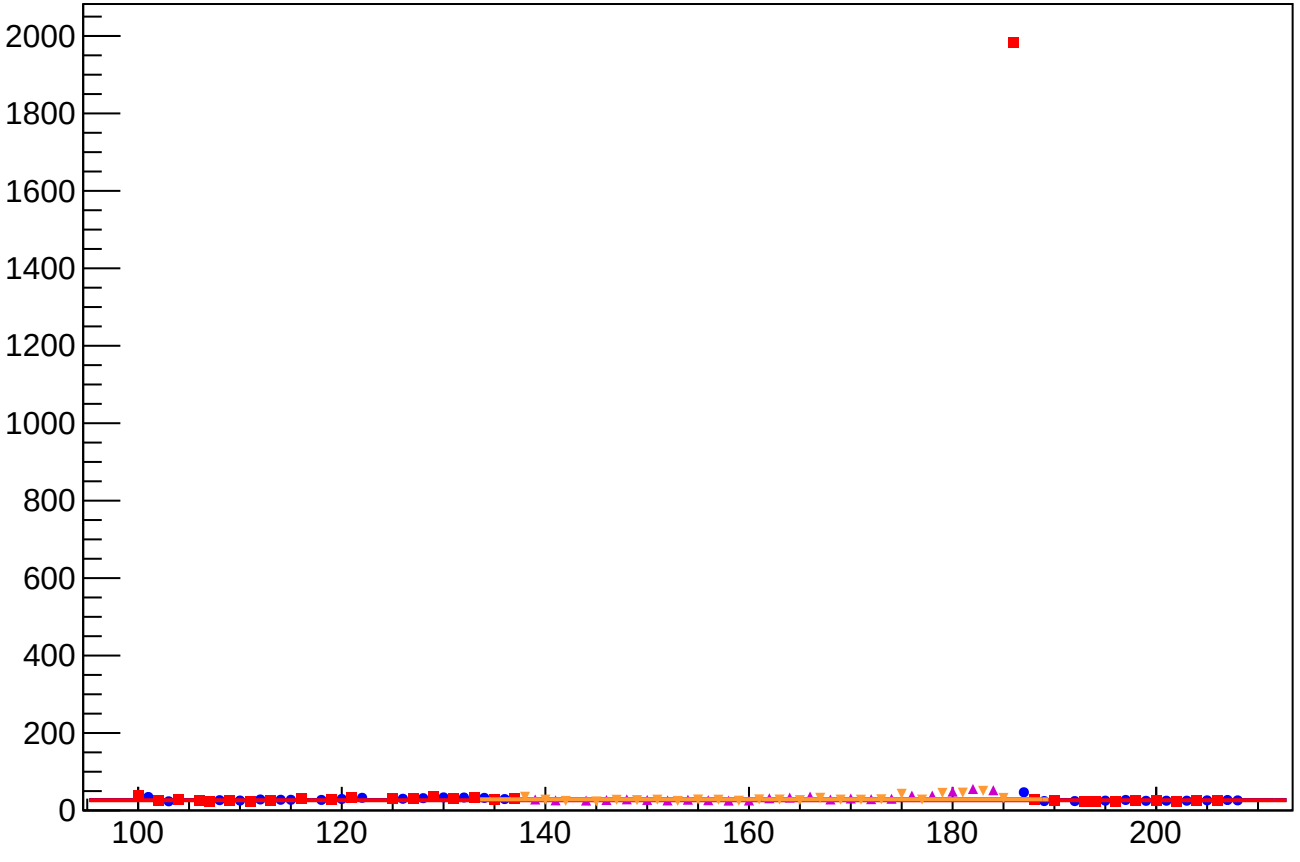
Right: 0.000+/-0.005 χ^2/NDF: 48.3/55

In: 0.005+/-0.005 χ^2/NDF:55.6/49

Out: -0.005+/-0.005 χ^2/NDF:39.5/52

All: -0.000+/-0.004 χ^2/NDF: 97.1/102

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

Right Out: 26.374+/-0.005 χ^2/NDF: 1105968.1/28

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

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

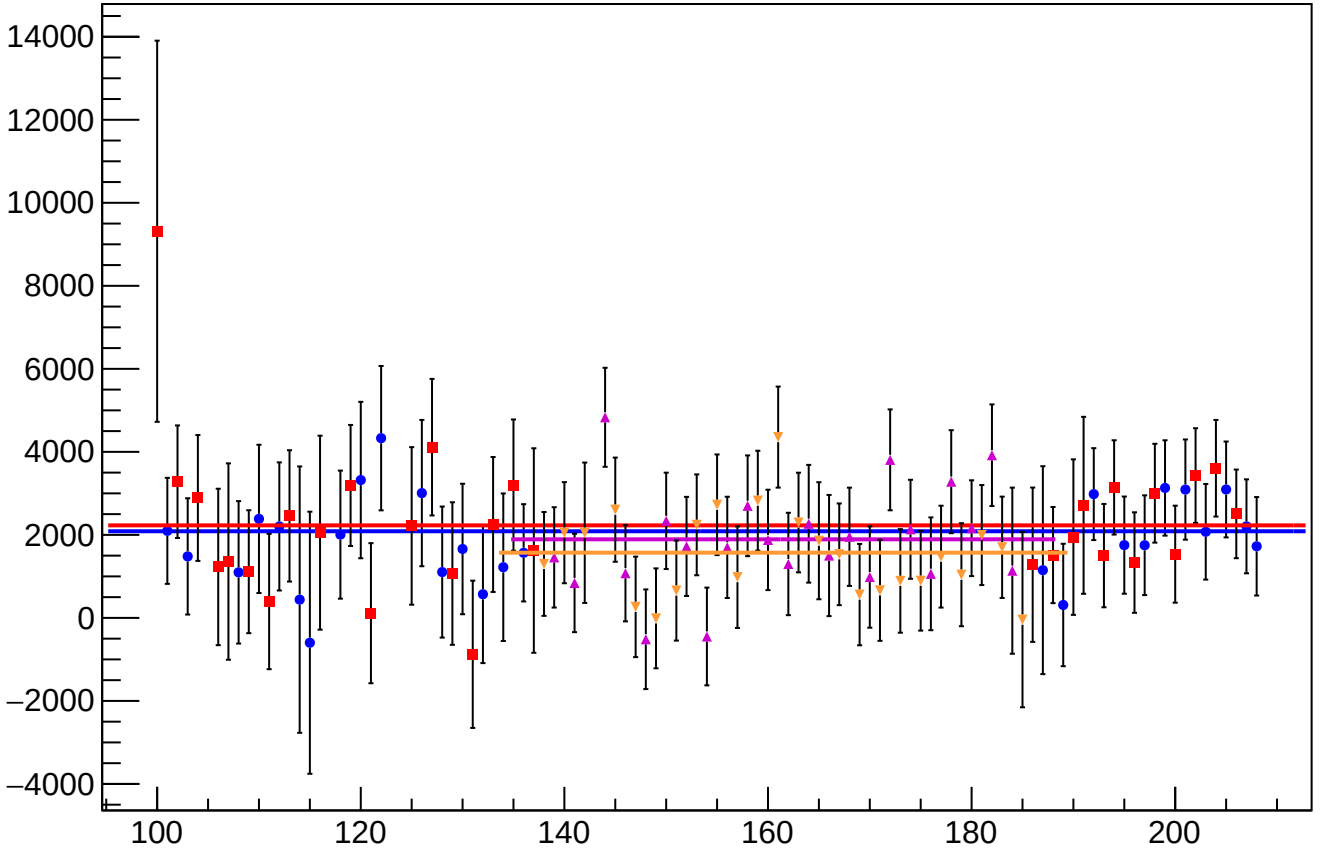
Right: 26.674+/-0.004 χ^2/NDF: 1445210.7/55

In: 28.106+/-0.004 χ^2/NDF:1573311.9/49

Out: 27.565+/-0.004 χ^2/NDF:2394130.1/52

All: 27.831+/-0.003 χ^2/NDF: 3979136.3/102

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: 2229.210+/-272.803 χ^2/NDF: 18.3/29

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

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

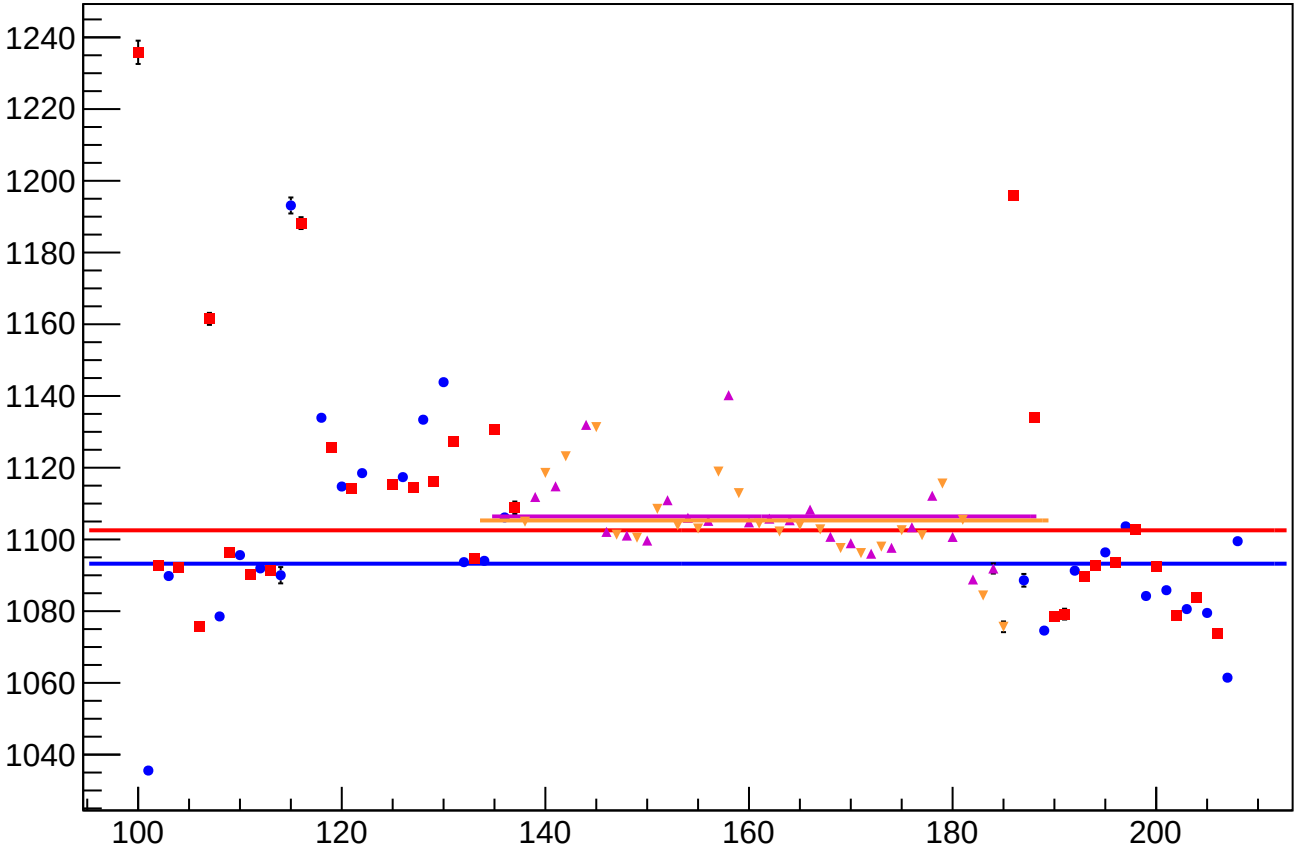
Right: 2158.800+/-193.542 χ^2/NDF: 28.9/56

In: 1984.471+/-188.168 χ^2/NDF:34.8/49

Out: 1879.926+/-186.885 χ^2/NDF:36.8/53

All: 1931.841+/-132.599 χ^2/NDF: 71.7/103

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

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

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

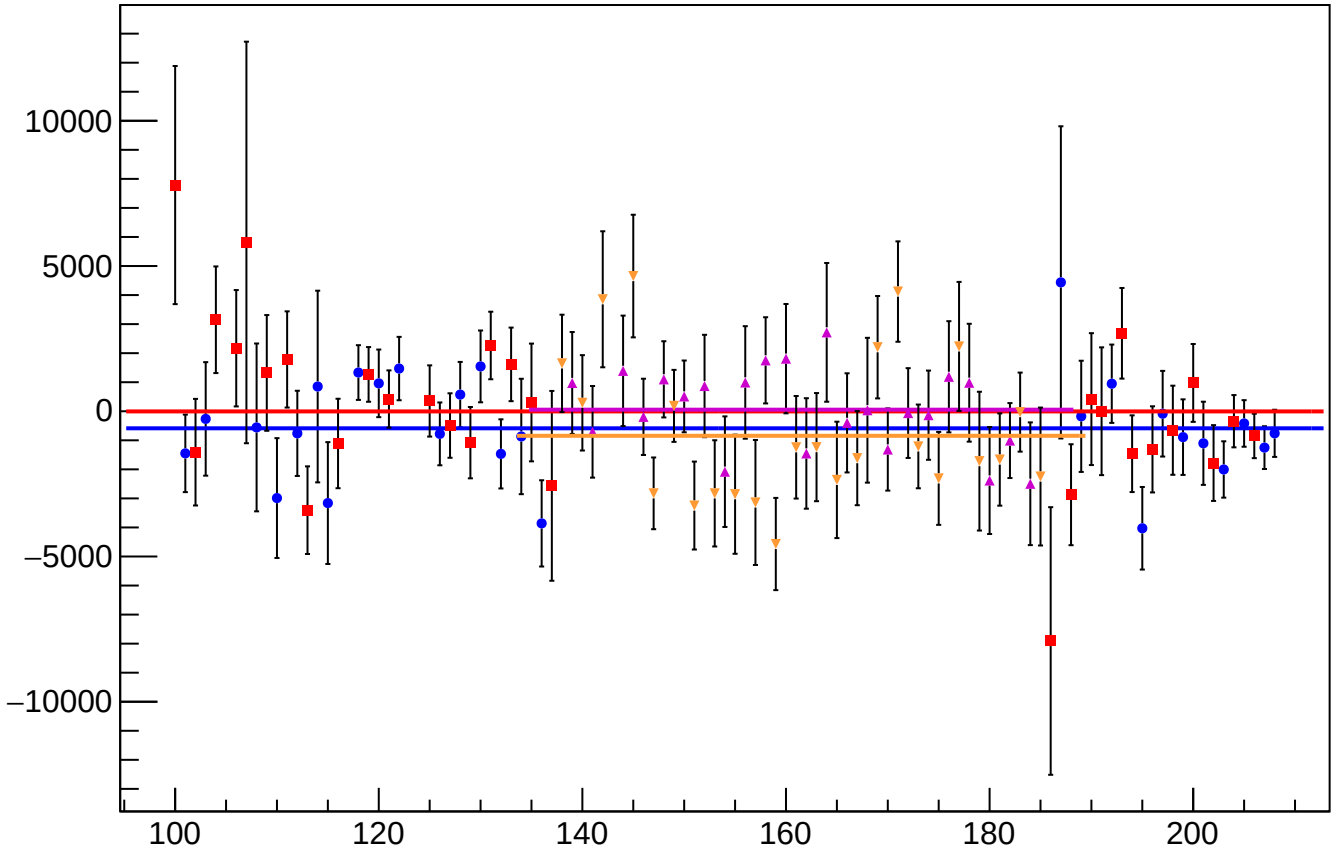
Right: 1097.920+/-0.137 χ^2/NDF: 35347.9/56

In: 1100.223+/-0.133 χ^2/NDF:21376.6/49

Out: 1104.002+/-0.132 χ^2/NDF:22301.6/53

All: 1102.126+/-0.094 χ^2/NDF: 44084.4/103

asym_usl_reg_correction_mean vs Slug, Sign Corrected



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: -5.118+/-257.051 χ^2/NDF: 40.0/29

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

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

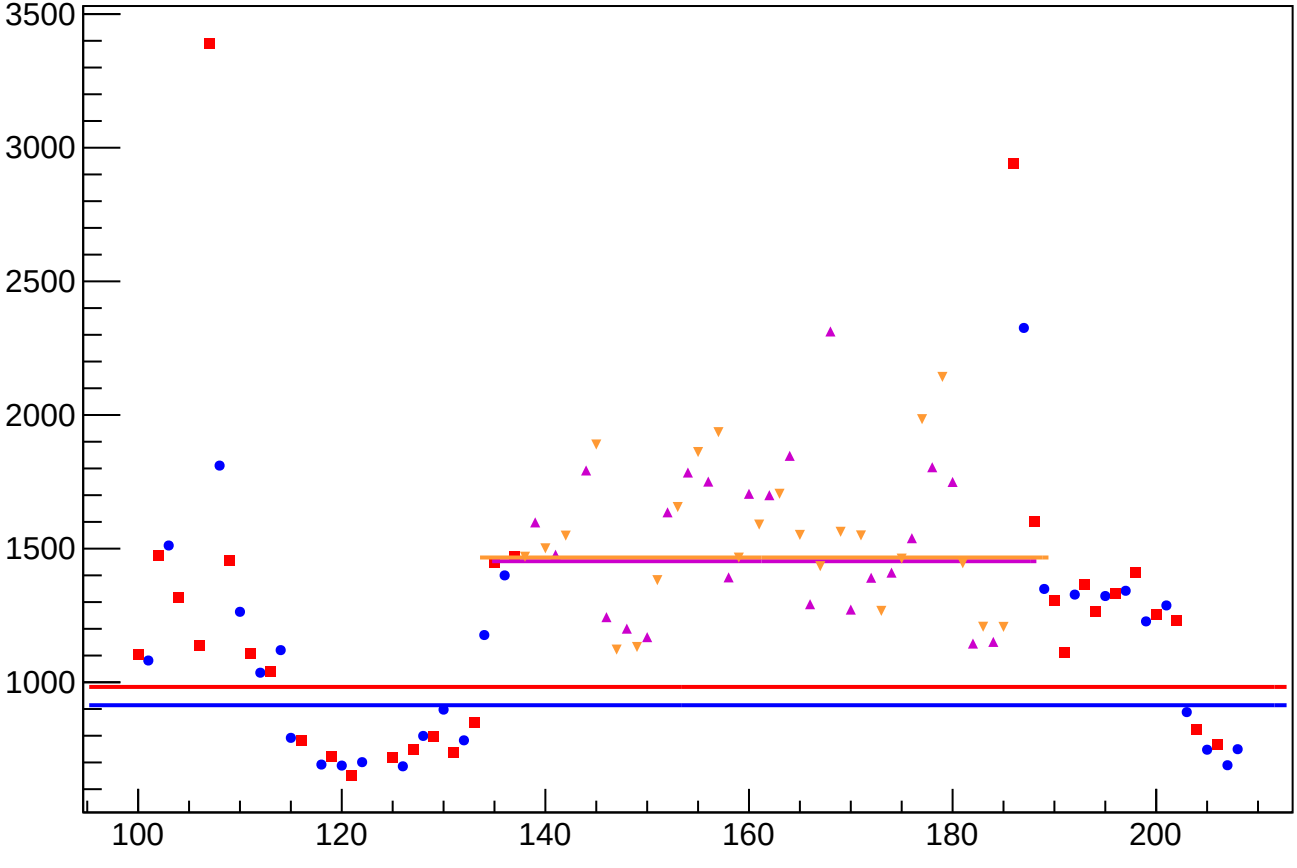
Right: -314.973+/-175.709 χ^2/NDF: 76.6/56

In: -377.596+/-197.601 χ^2/NDF:49.3/49

Out: -302.198+/-206.624 χ^2/NDF:87.9/53

All: -341.579+/-142.808 χ^2/NDF: 137.2/103

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 982.583+/-0.182 χ^2/NDF: 3008928.2/29

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

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

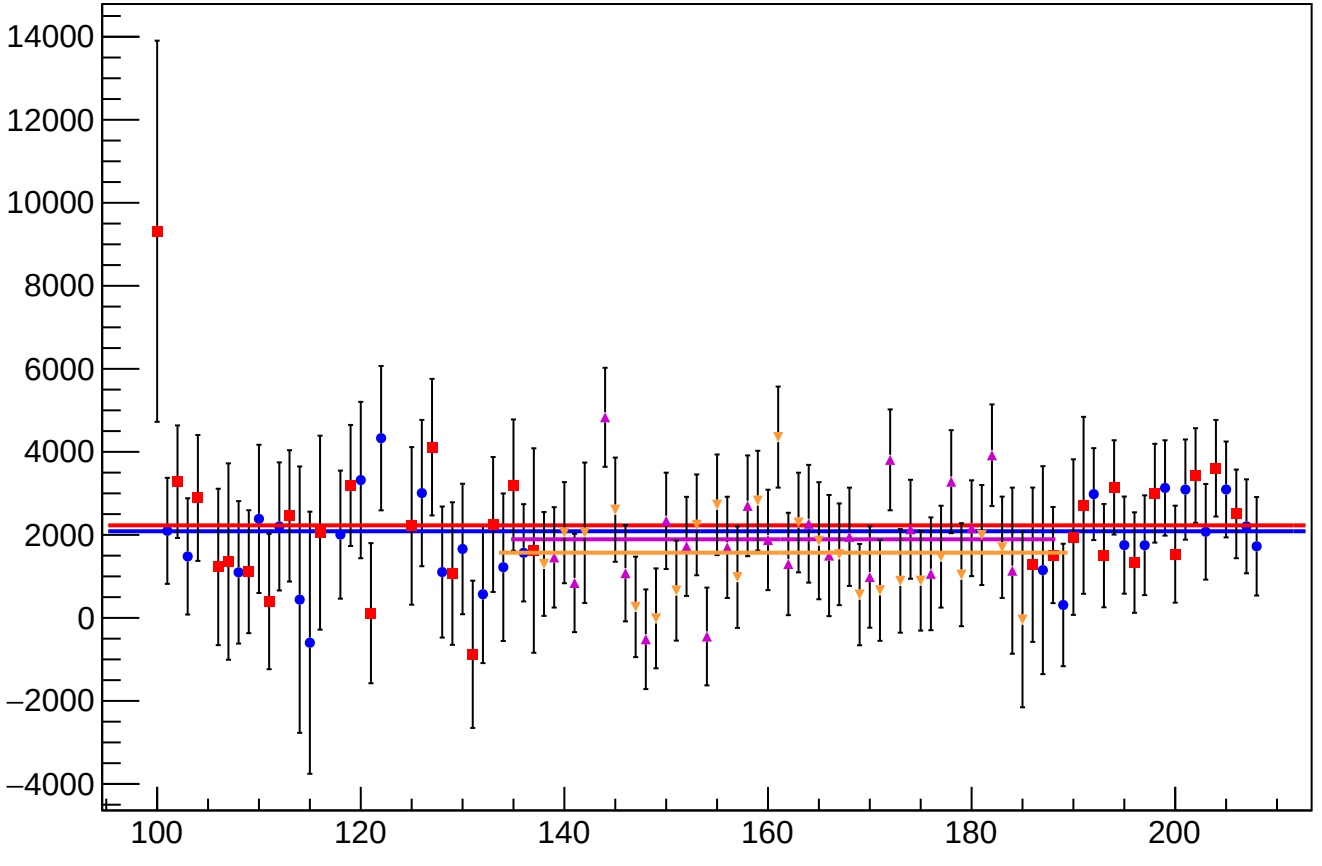
Right: 946.117+/-0.124 χ^2/NDF: 5599883.1/56

In: 1089.922+/-0.140 χ^2/NDF:6913995.7/49

Out: 1153.946+/-0.146 χ^2/NDF:6564066.4/53

All: 1120.506+/-0.101 χ^2/NDF: 13578357.0/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: 2229.202+/-272.803 χ^2/NDF: 18.3/29

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

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

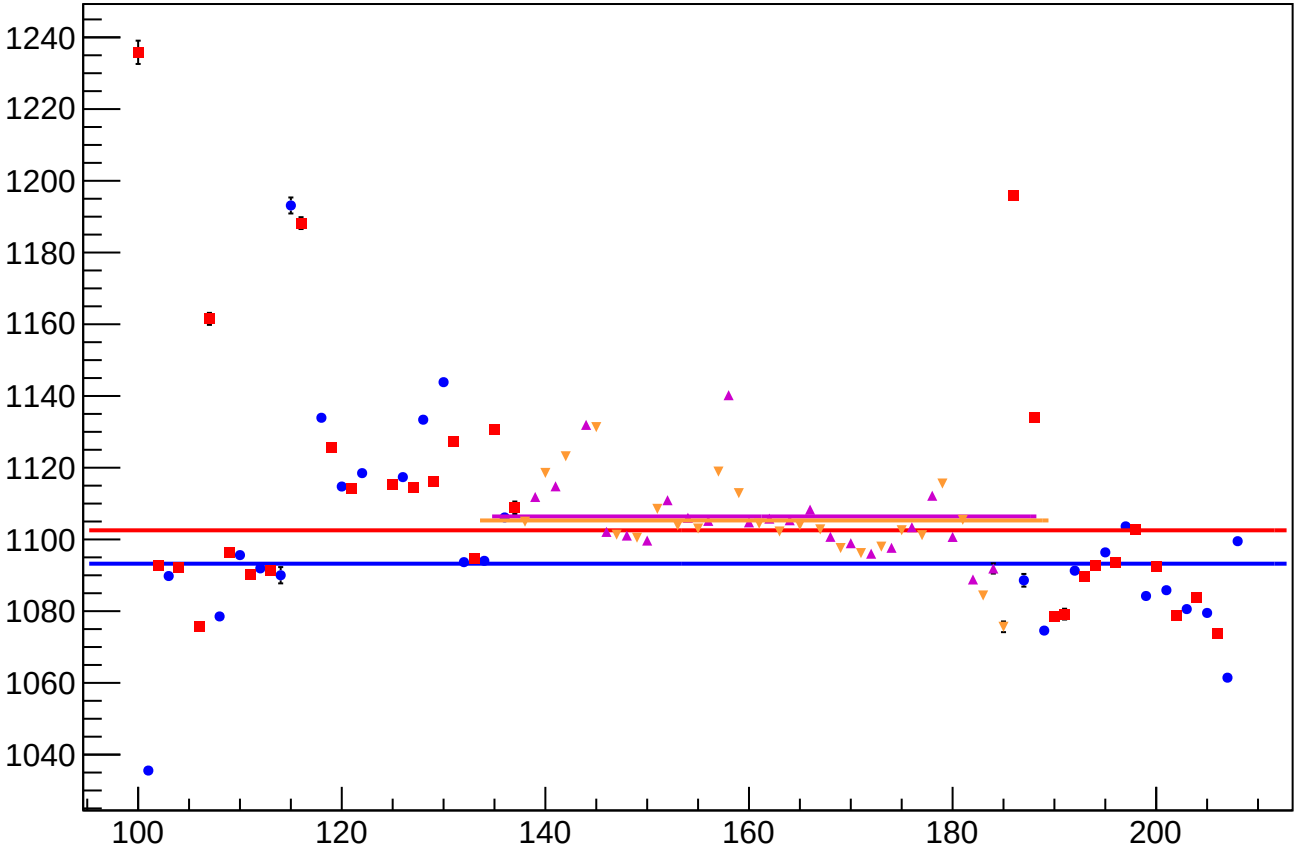
Right: 2158.796+/-193.542 χ^2/NDF: 28.9/56

In: 1984.471+/-188.168 χ^2/NDF:34.8/49

Out: 1879.922+/-186.885 χ^2/NDF:36.8/53

All: 1931.839+/-132.599 χ^2/NDF: 71.7/103

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

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

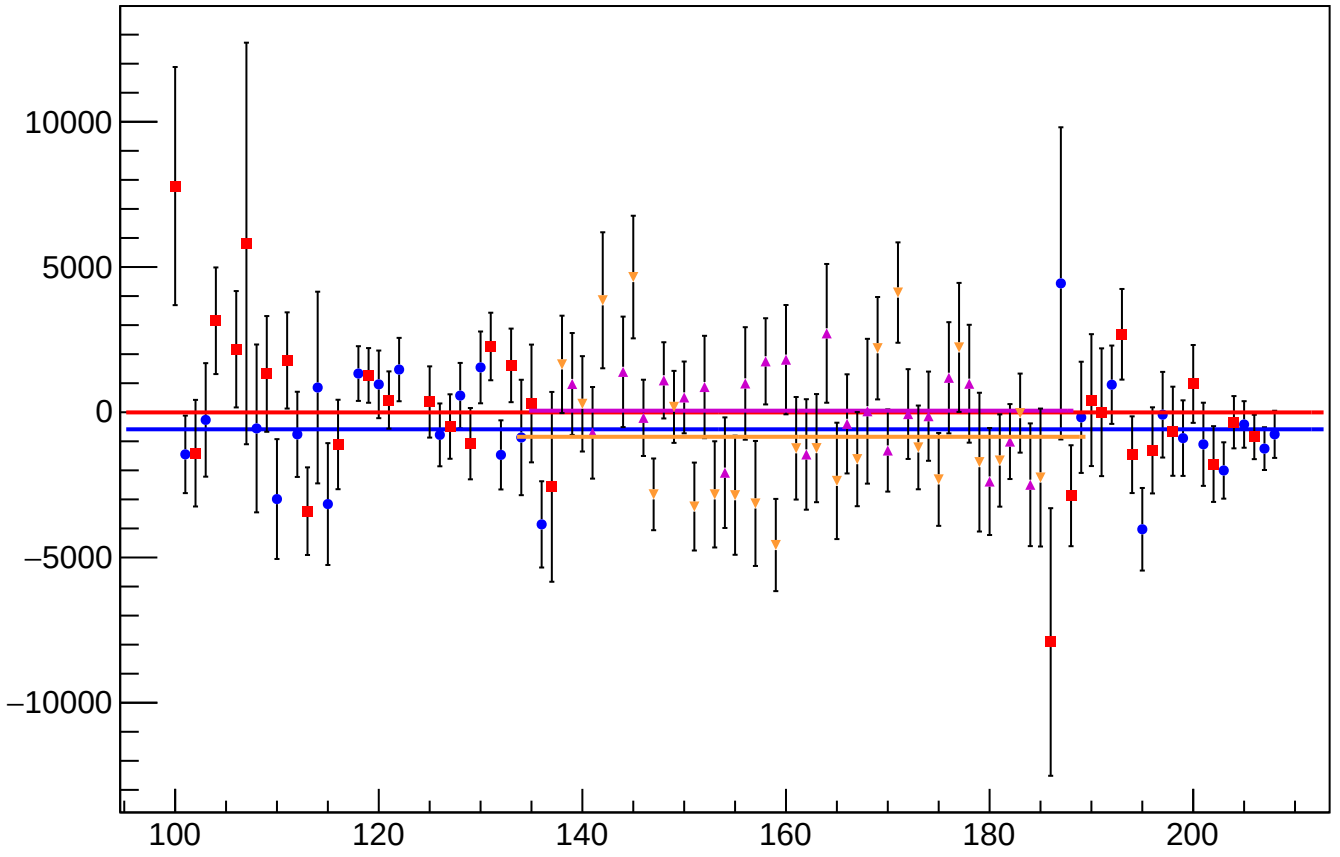
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.920+/-0.137 χ^2/NDF: 35347.9/56

In: 1100.223+/-0.133 χ^2/NDF:21376.6/49

Out: 1104.002+/-0.132 χ^2/NDF:22301.6/53

All: 1102.126+/-0.094 χ^2/NDF: 44084.4/103



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: -5.118+/-257.051 χ^2/NDF: 40.0/29

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

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

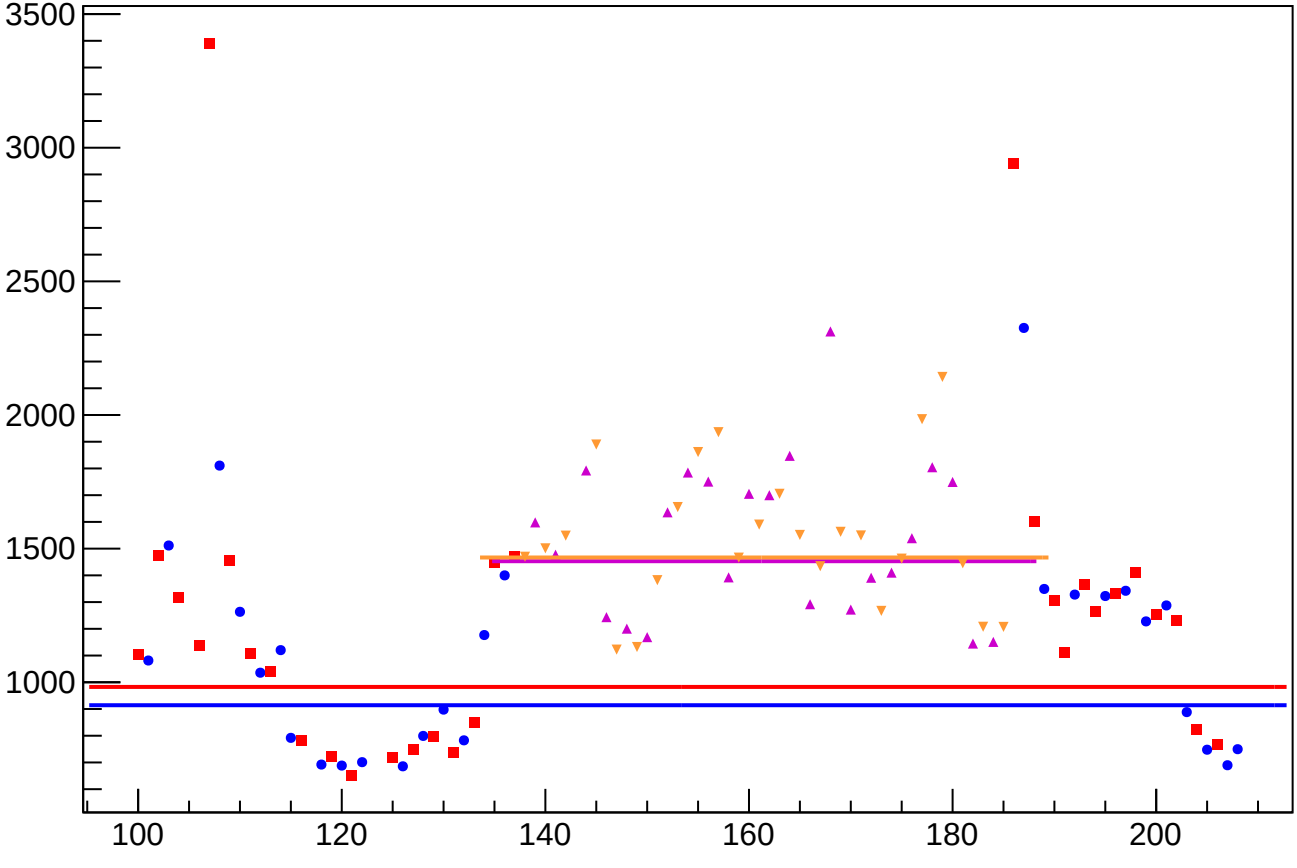
Right: -314.973+/-175.709 χ^2/NDF: 76.6/56

In: -377.596+/-197.601 χ^2/NDF:49.3/49

Out: -302.198+/-206.624 χ^2/NDF:87.9/53

All: -341.579+/-142.808 χ^2/NDF: 137.2/103

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 982.583+/-0.182 χ^2/NDF: 3008927.0/29

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

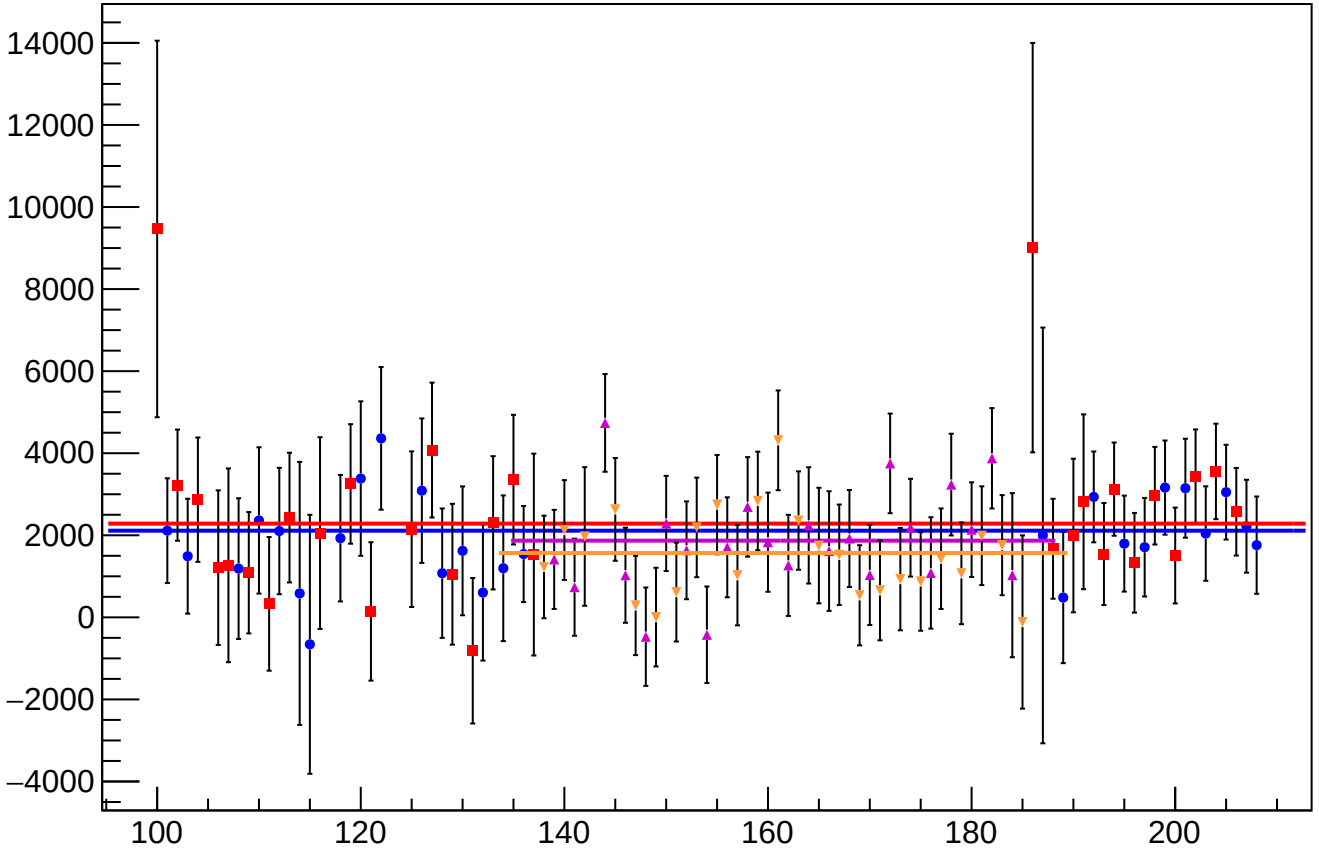
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 946.117+/-0.124 χ^2/NDF: 5599881.6/56

In: 1089.922+/-0.140 χ^2/NDF:6913995.7/49

Out: 1153.946+/-0.146 χ^2/NDF:6564066.8/53

All: 1120.506+/-0.101 χ^2/NDF: 13578357.1/1



Right In: 2112.210+/-276.417 χ^2/NDF: 9.9/26

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

Right Out: 2284.393+/-275.974 χ^2/NDF: 19.8/29

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

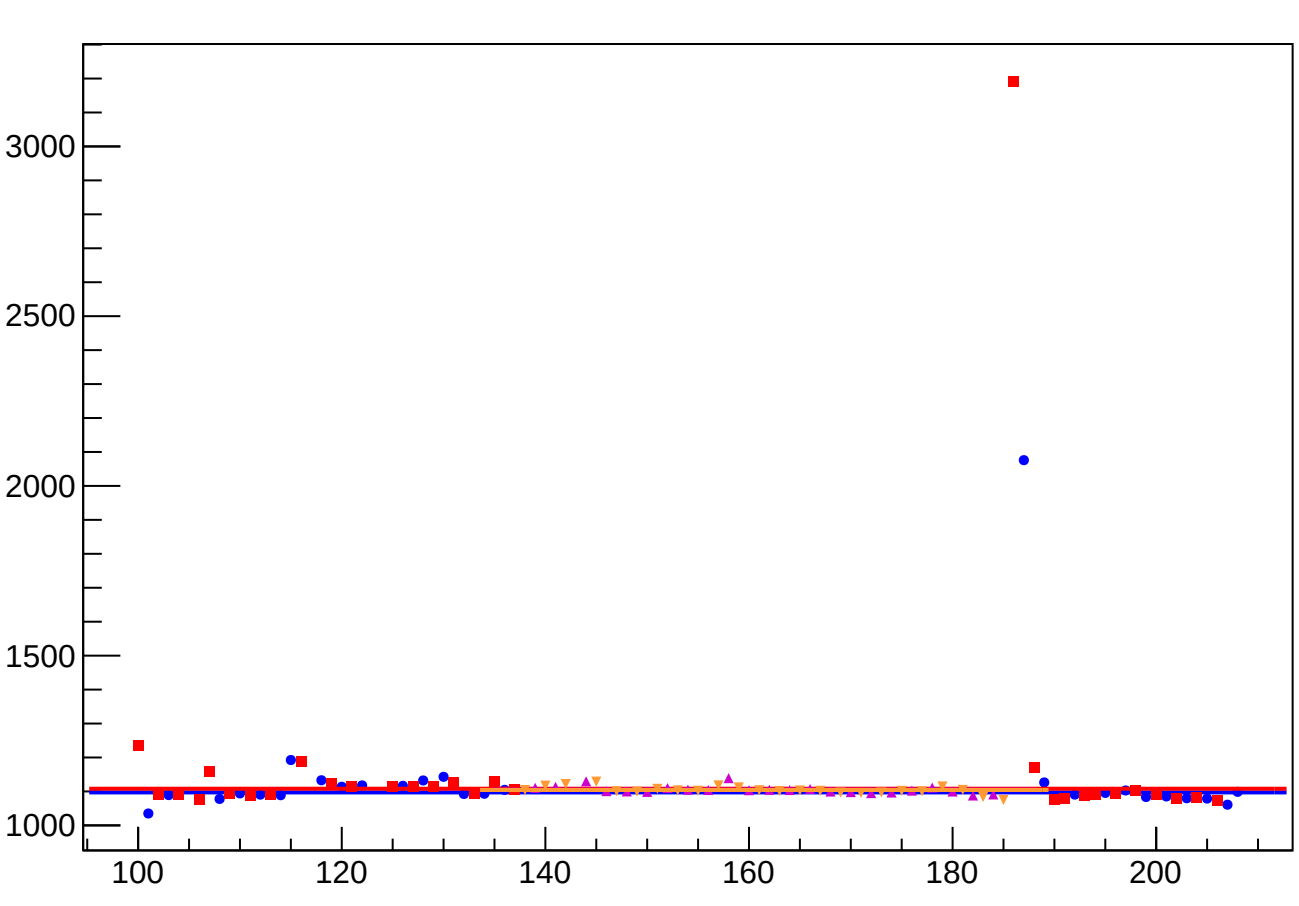
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2198.439+/-195.299 χ^2/NDF: 29.9/56

In: 1982.463+/-188.647 χ^2/NDF:33.8/49

Out: 1900.167+/-187.800 χ^2/NDF:38.8/53

All: 1941.130+/-133.093 χ^2/NDF: 72.7/103



Right In: 1097.115+/-0.195 χ^2/NDF: 90421.2/26

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

Right Out: 1108.020+/-0.195 χ^2/NDF: 368440.3/29

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

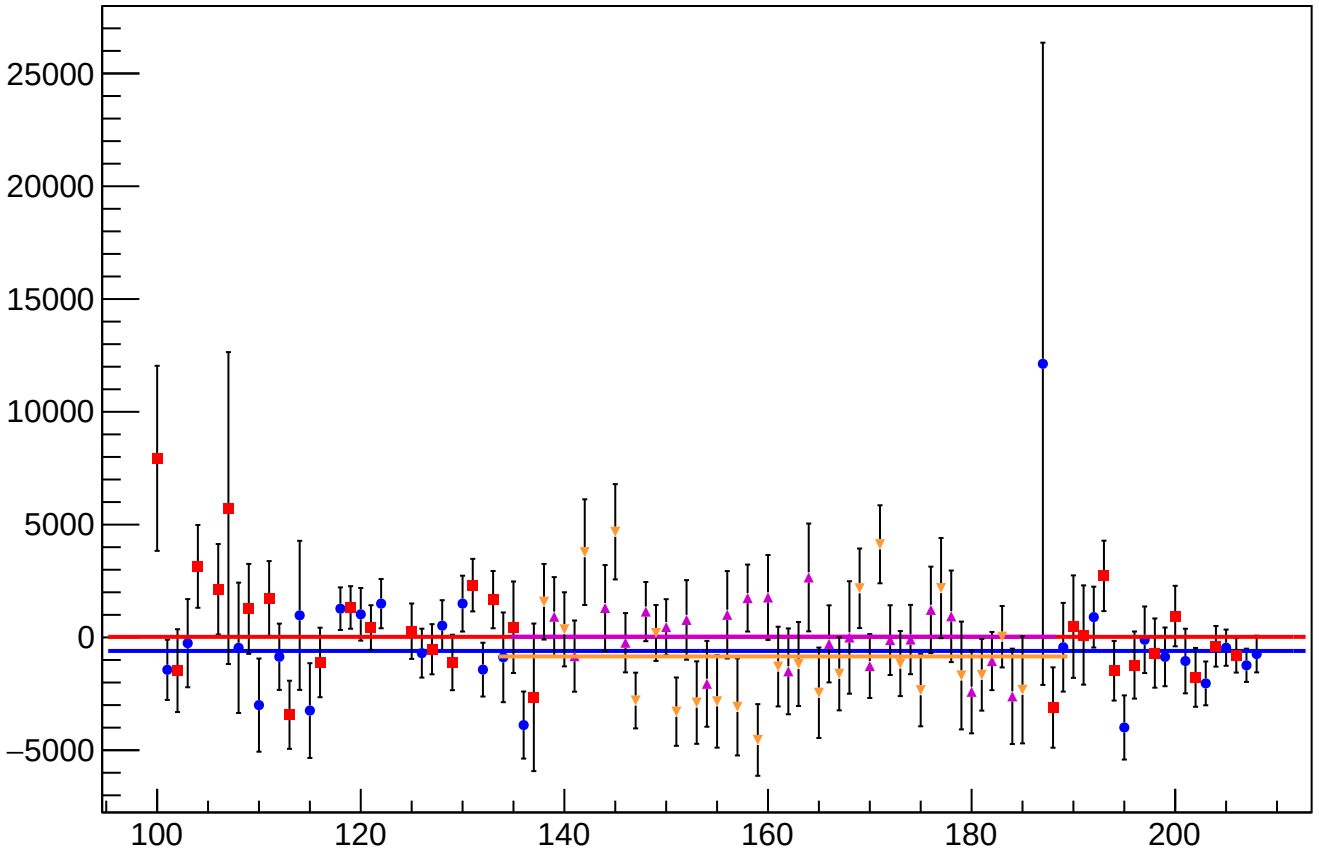
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1102.576+/-0.138 χ^2/NDF: 460420.4/56

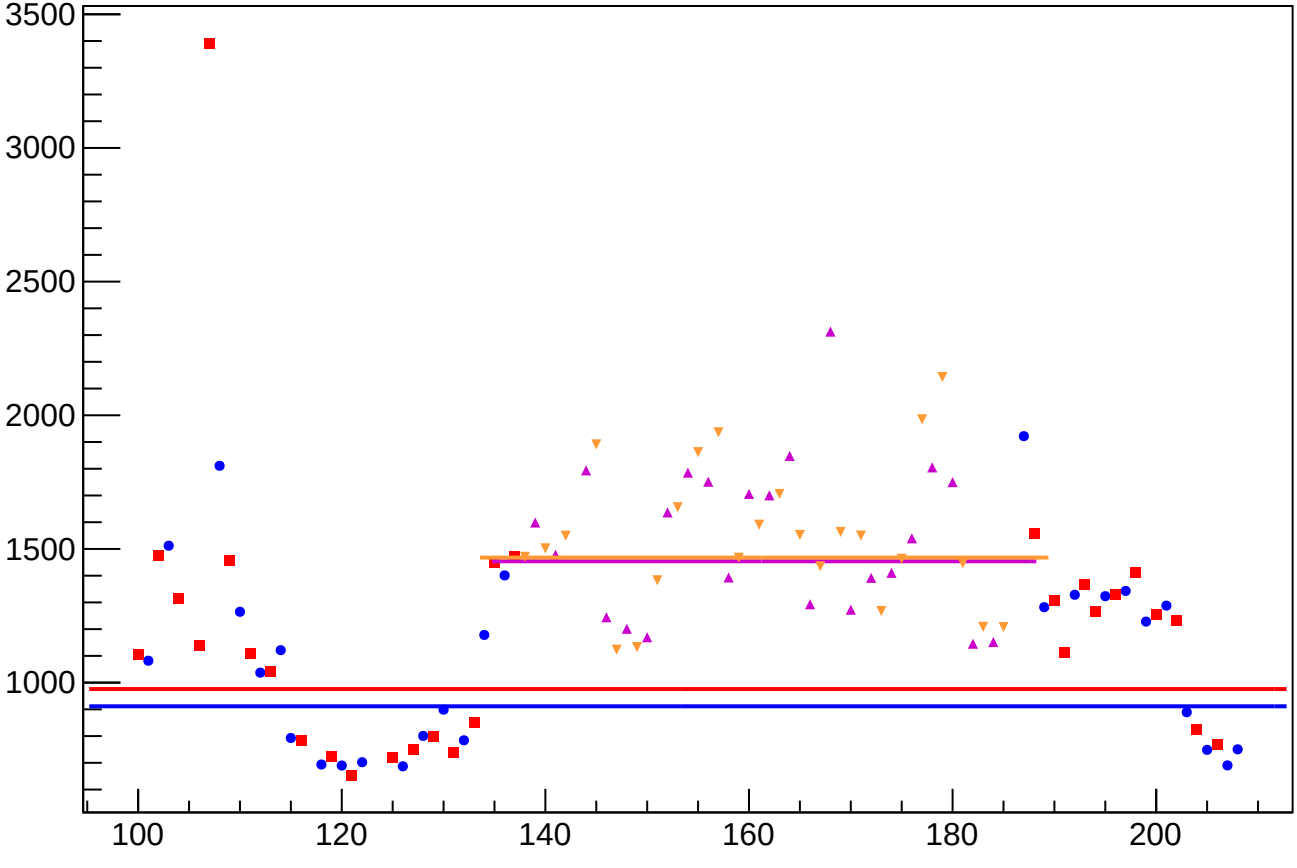
In: 1101.531+/-0.133 χ^2/NDF:95037.6/49

Out: 1106.000+/-0.133 χ^2/NDF:371639.1/53

All: 1103.776+/-0.094 χ^2/NDF: 467240.5/103


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -599.338+/-241.329 χ²/NDF: 33.4/26
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: 24.837+/-257.899 χ²/NDF: 37.9/28
Left In: 31.387+/-346.155 χ²/NDF:13.1/22
Left: -404.203+/-245.256 χ²/NDF: 60.3/46
Right: -307.945+/-176.212 χ²/NDF: 74.4/55
In: -393.044+/-197.967 χ²/NDF:48.7/49
Out: -283.449+/-207.105 χ²/NDF:85.9/52
All: -340.717+/-143.105 χ²/NDF: 134.8/102

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 911.434+/-0.171 χ^2/NDF: 2346271.5/26

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

Right Out: 975.944+/-0.182 χ^2/NDF: 2589679.2/28

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

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

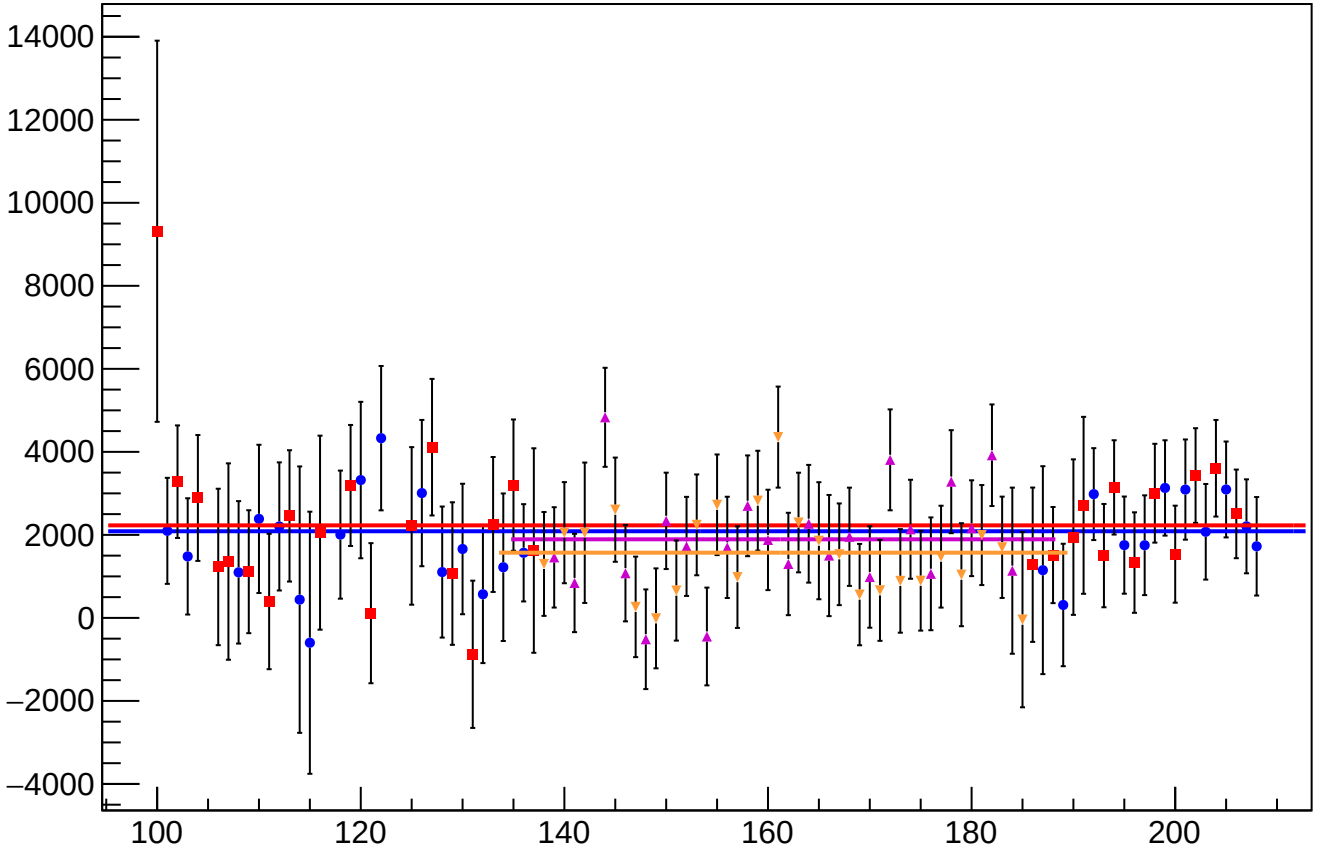
Right: 941.550+/-0.125 χ^2/NDF: 5002669.0/55

In: 1088.838+/-0.140 χ^2/NDF:6778692.4/49

Out: 1150.575+/-0.146 χ^2/NDF:6213803.5/52

All: 1118.315+/-0.101 χ^2/NDF: 13085364.2/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: 2229.202+/-272.803 χ^2/NDF: 18.3/29

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

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

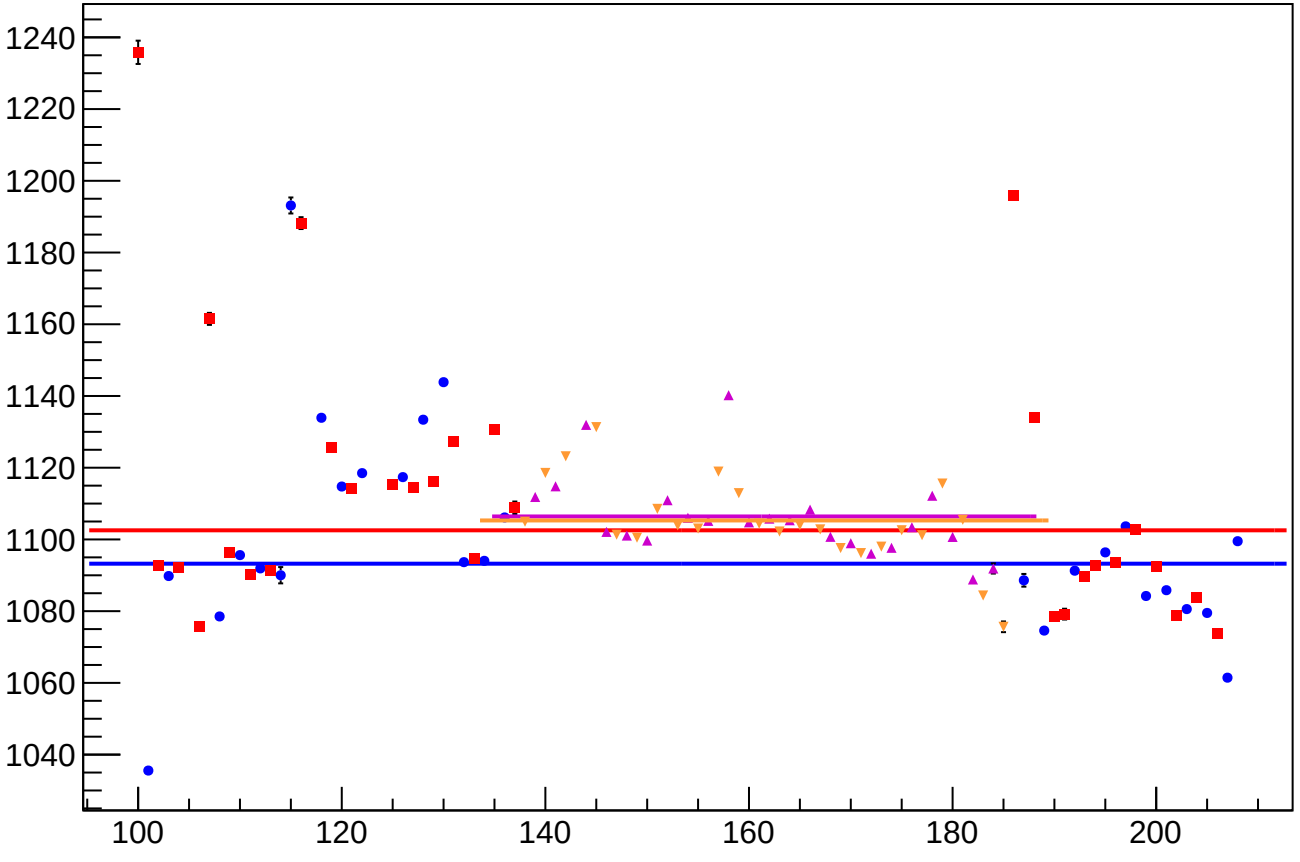
Right: 2158.796+/-193.542 χ^2/NDF: 28.9/56

In: 1984.471+/-188.168 χ^2/NDF:34.8/49

Out: 1879.922+/-186.885 χ^2/NDF:36.8/53

All: 1931.839+/-132.599 χ^2/NDF: 71.7/103

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

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

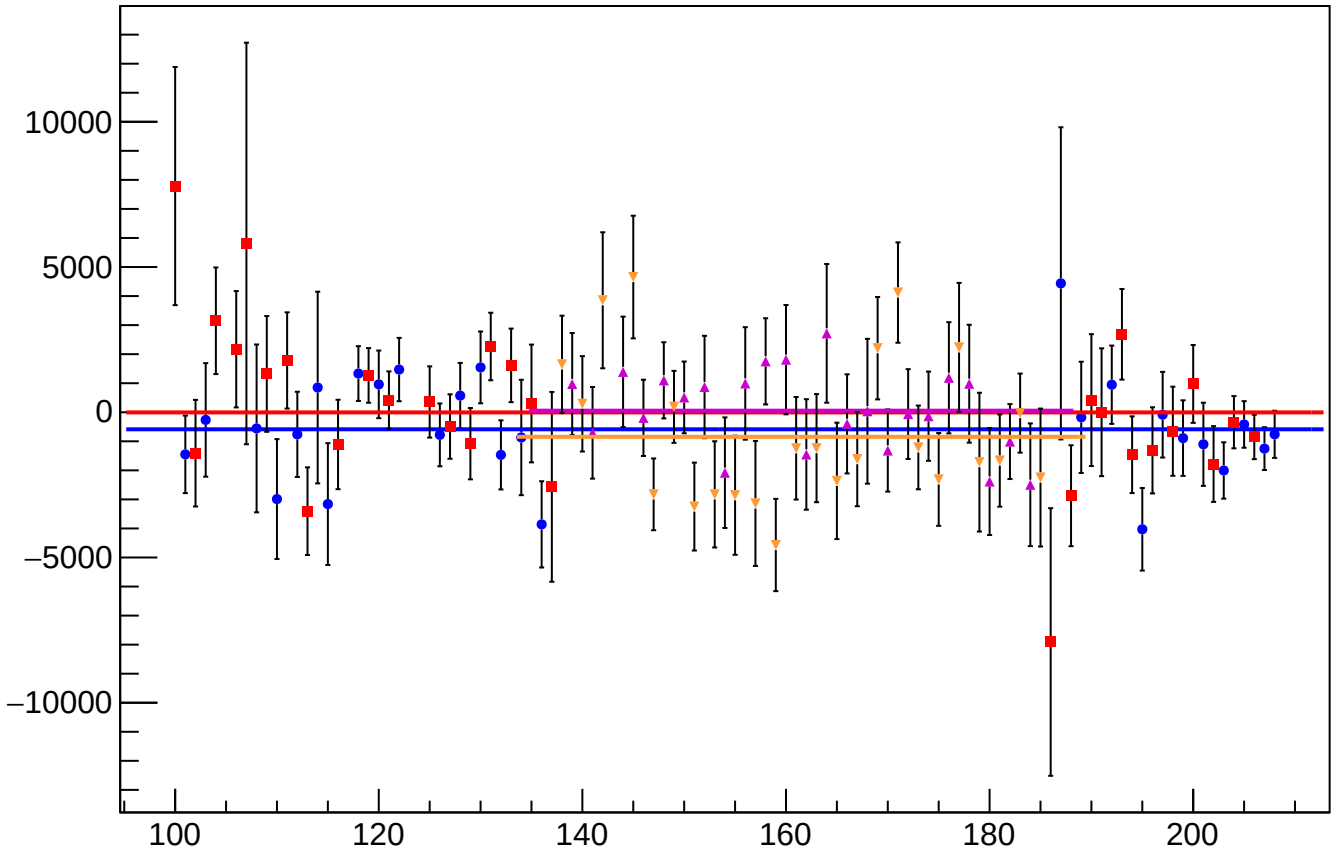
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.920+/-0.137 χ^2/NDF: 35347.9/56

In: 1100.223+/-0.133 χ^2/NDF:21376.6/49

Out: 1104.002+/-0.132 χ^2/NDF:22301.6/53

All: 1102.126+/-0.094 χ^2/NDF: 44084.4/103



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: -5.118+/-257.051 χ^2/NDF: 40.0/29

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

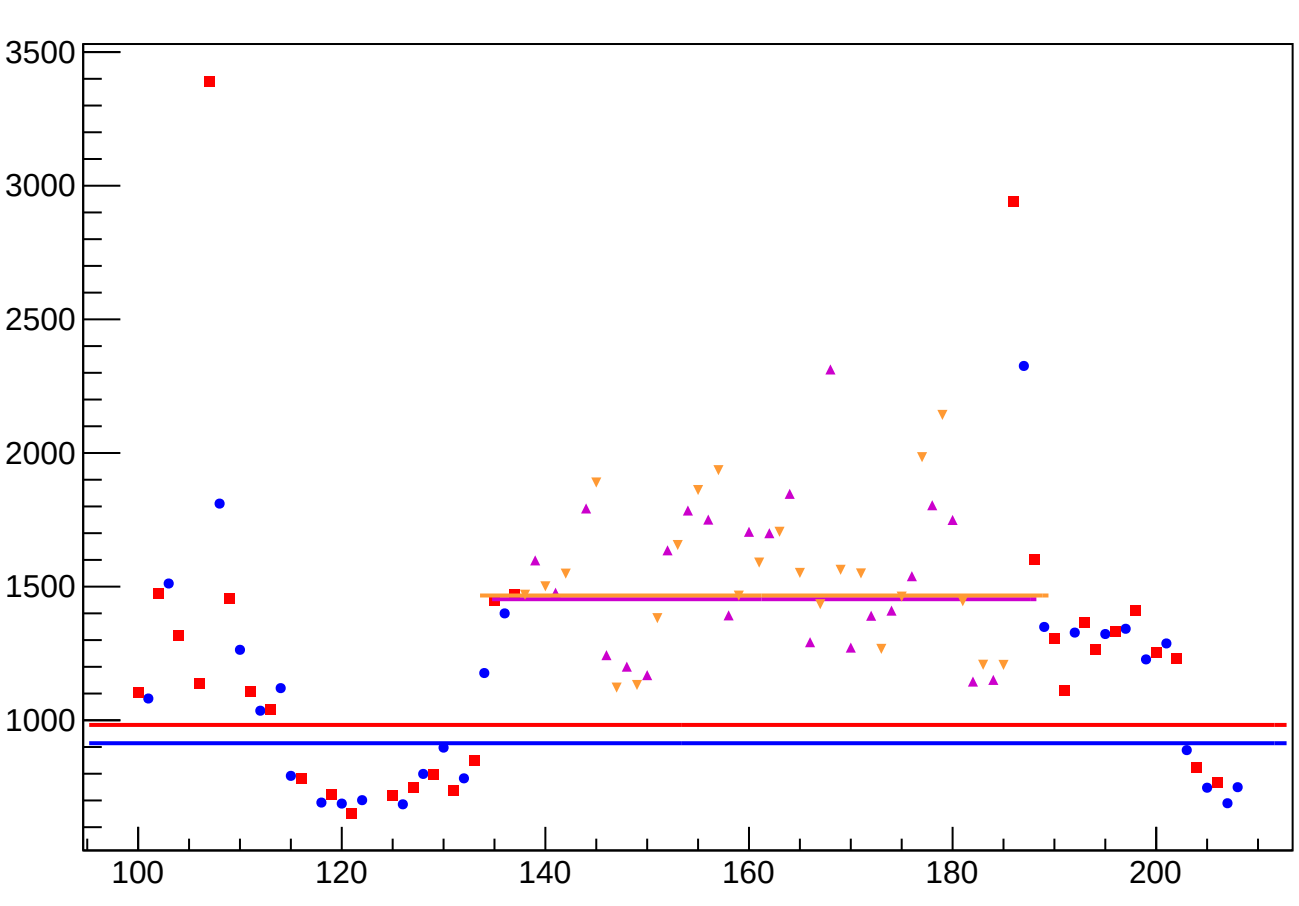
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -314.973+/-175.709 χ^2/NDF: 76.6/56

In: -377.596+/-197.601 χ^2/NDF:49.3/49

Out: -302.198+/-206.624 χ^2/NDF:87.9/53

All: -341.579+/-142.808 χ^2/NDF: 137.2/103



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 982.583+/-0.182 χ^2/NDF: 3008927.0/29

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

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

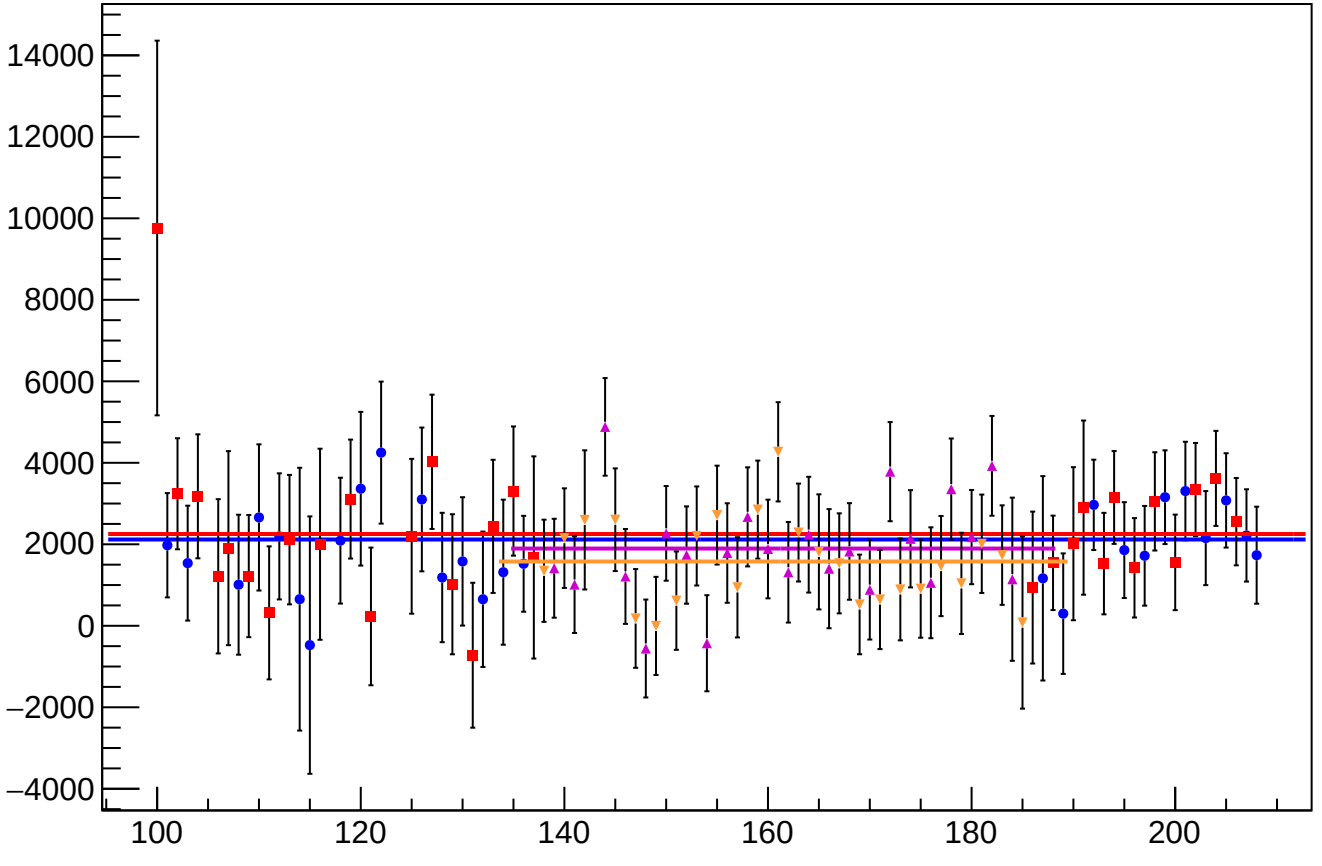
Right: 946.117+/-0.124 χ^2/NDF: 5599881.6/56

In: 1089.922+/-0.140 χ^2/NDF:6913995.7/49

Out: 1153.946+/-0.146 χ^2/NDF:6564066.8/53

All: 1120.506+/-0.101 χ^2/NDF: 13578357.1/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2252.298+/-273.858 χ^2/NDF: 18.1/29

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

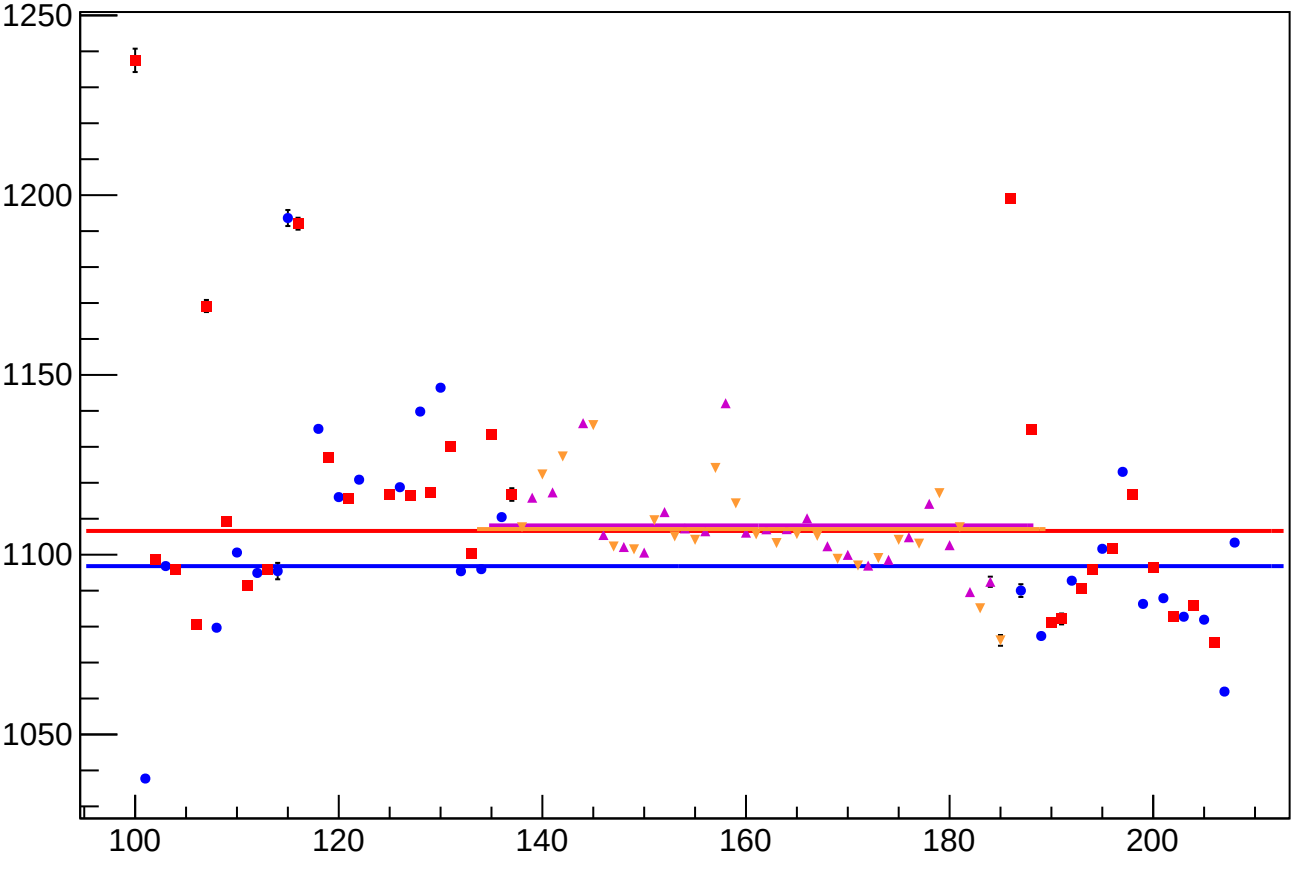
Right: 2185.328+/-194.241 χ^2/NDF: 28.7/56

In: 1999.566+/-188.623 χ^2/NDF:34.9/49

Out: 1893.443+/-187.404 χ^2/NDF:36.9/53

All: 1946.161+/-132.943 χ^2/NDF: 72.0/103

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1106.607+/-0.194 χ^2/NDF: 18865.6/29

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

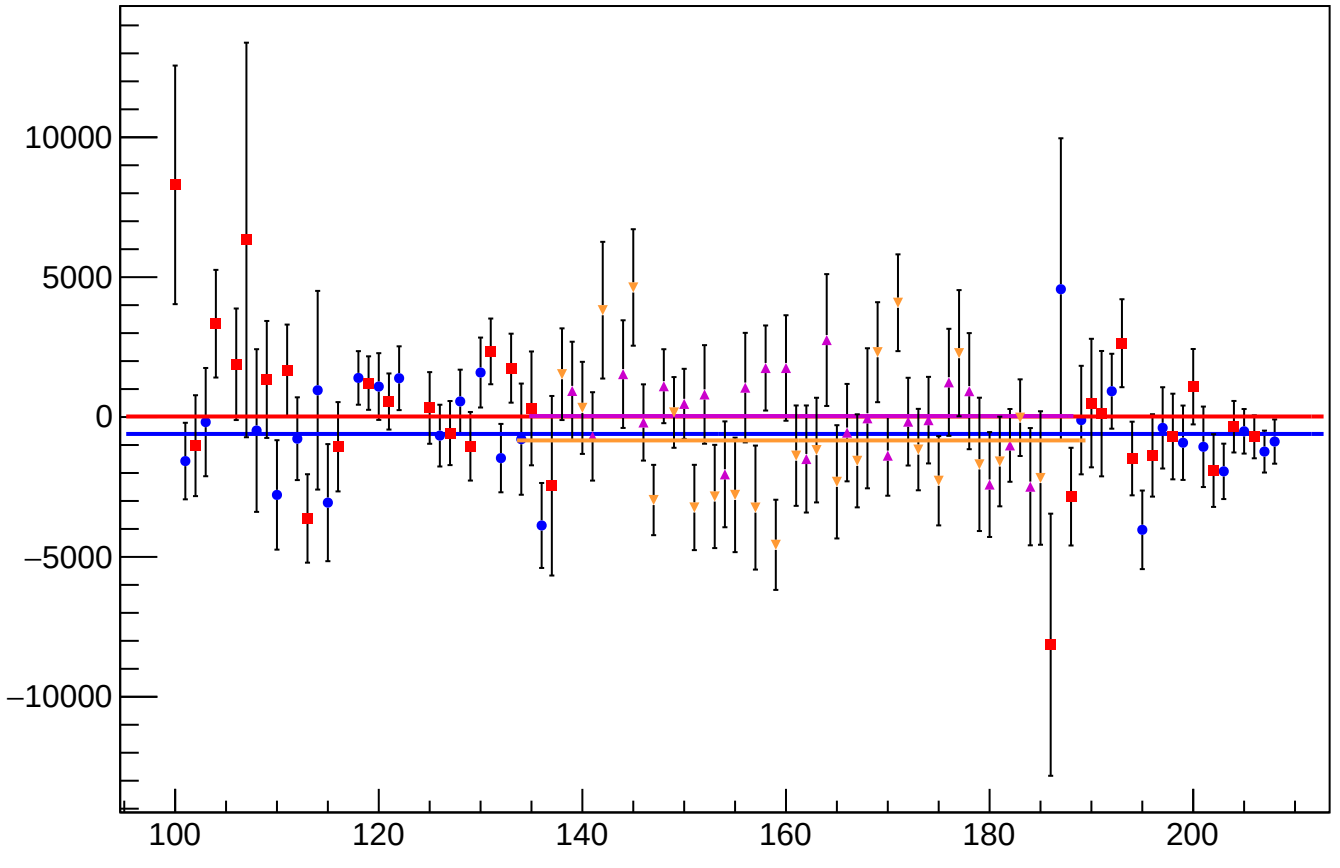
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1101.745+/-0.137 χ^2/NDF: 36531.1/56

In: 1102.840+/-0.133 χ^2/NDF:22382.0/49

Out: 1106.883+/-0.133 χ^2/NDF:22653.2/53

All: 1104.875+/-0.094 χ^2/NDF: 45497.7/103



Right In: -604.254+/-242.773 χ^2/NDF: 33.2/26

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 19.401+/-259.981 χ^2/NDF: 40.2/29

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

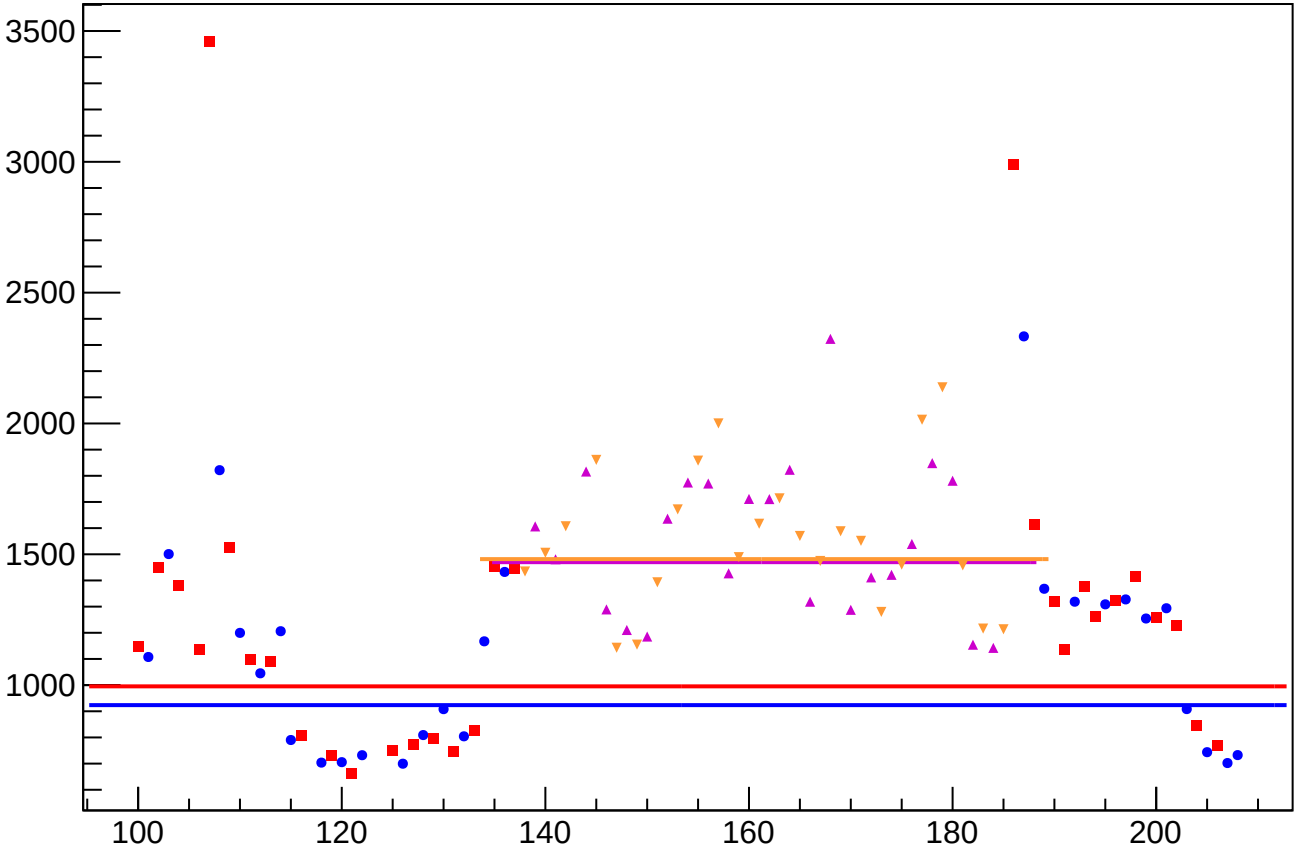
Right: -313.747+/-177.438 χ^2/NDF: 76.5/56

In: -396.138+/-199.414 χ^2/NDF:48.6/49

Out: -283.812+/-208.834 χ^2/NDF:87.6/53

All: -342.565+/-144.222 χ^2/NDF: 136.4/103

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 923.514+/-0.172 χ^2/NDF: 2455559.2/26

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 995.254+/-0.184 χ^2/NDF: 2954011.2/29

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

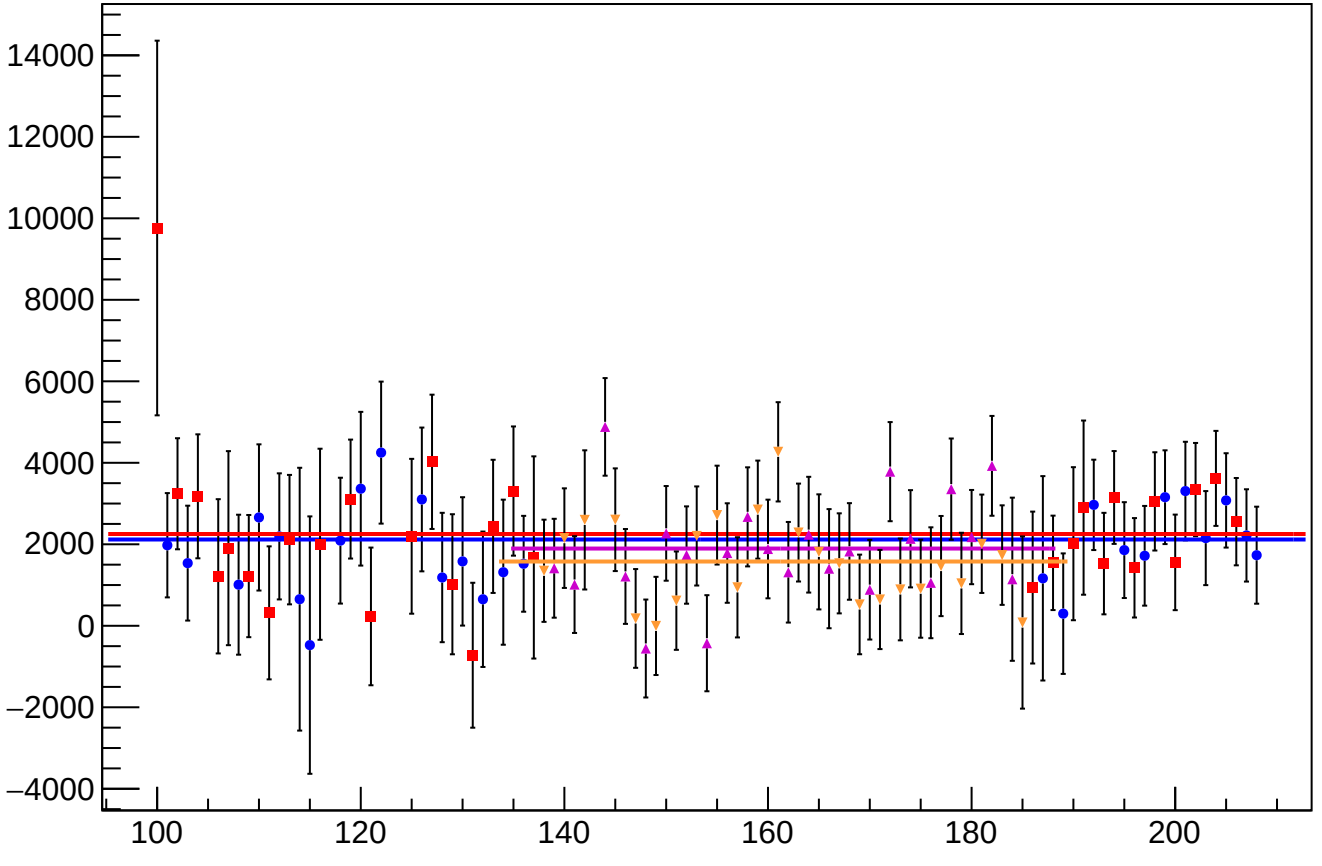
Right: 956.931+/-0.125 χ^2/NDF: 5490922.7/56

In: 1101.254+/-0.141 χ^2/NDF:6846113.6/49

Out: 1167.772+/-0.148 χ^2/NDF:6453905.2/53

All: 1132.979+/-0.102 χ^2/NDF: 13406153.7/1

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2252.297+/-273.858 χ^2/NDF: 18.1/29

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

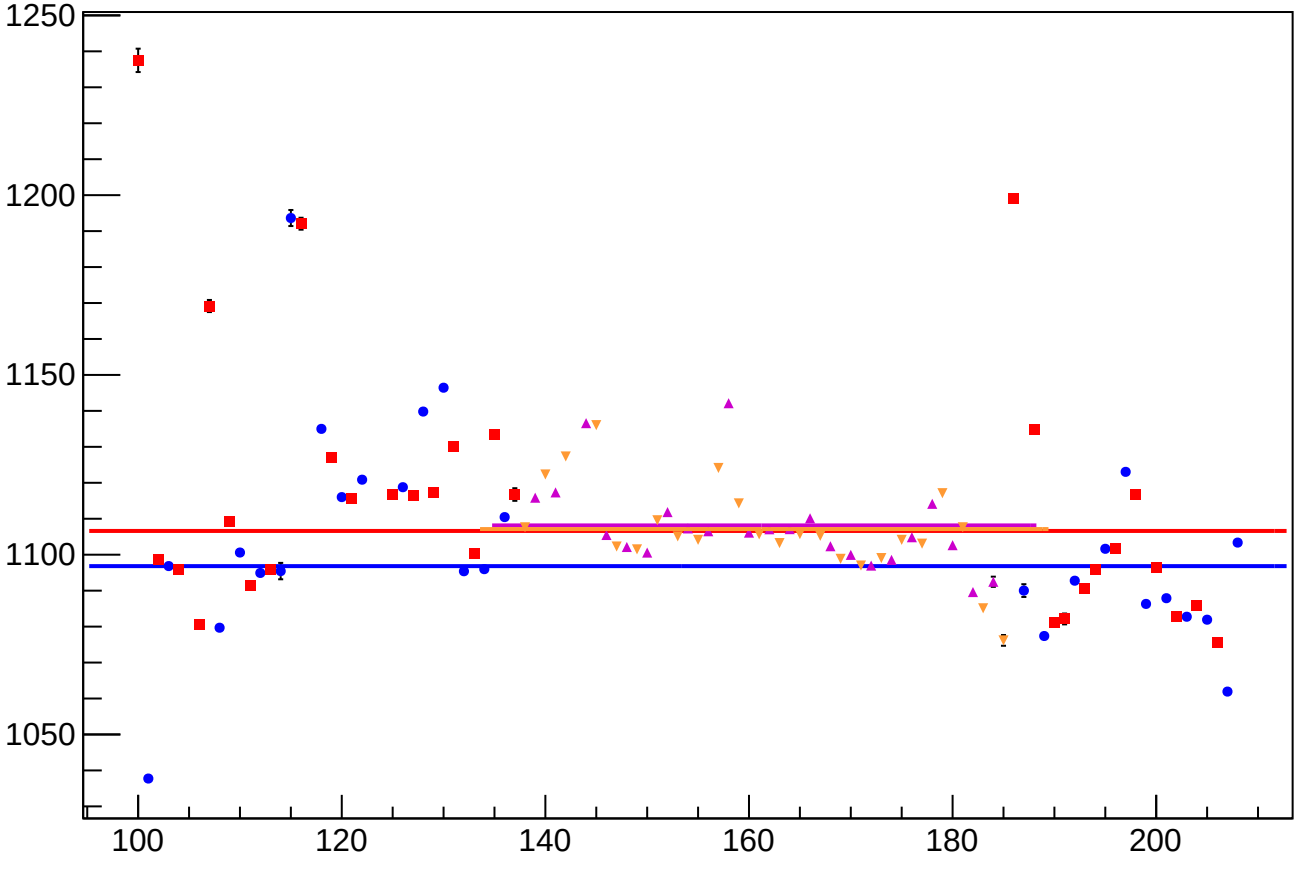
Right: 2185.327+/-194.241 χ^2/NDF: 28.7/56

In: 1999.567+/-188.623 χ^2/NDF:34.9/49

Out: 1893.441+/-187.404 χ^2/NDF:36.9/53

All: 1946.160+/-132.943 χ^2/NDF: 72.0/103

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1106.607+/-0.194 χ^2/NDF: 18865.6/29

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

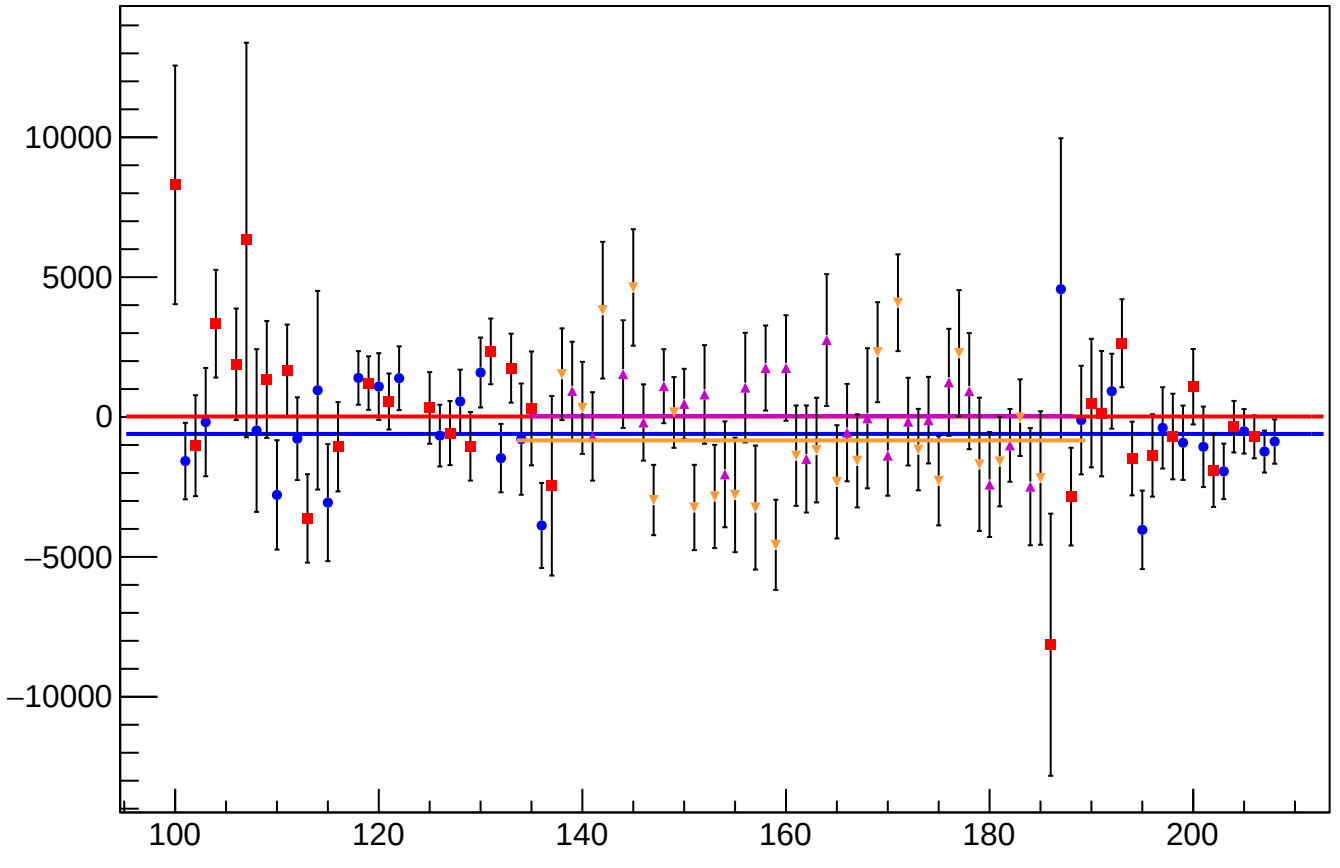
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1101.745+/-0.137 χ^2/NDF: 36531.0/56

In: 1102.840+/-0.133 χ^2/NDF:22382.0/49

Out: 1106.883+/-0.133 χ^2/NDF:22653.1/53

All: 1104.875+/-0.094 χ^2/NDF: 45497.7/103



Right In: -604.252+/-242.773 χ^2/NDF: 33.2/26

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 19.402+/-259.980 χ^2/NDF: 40.2/29

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

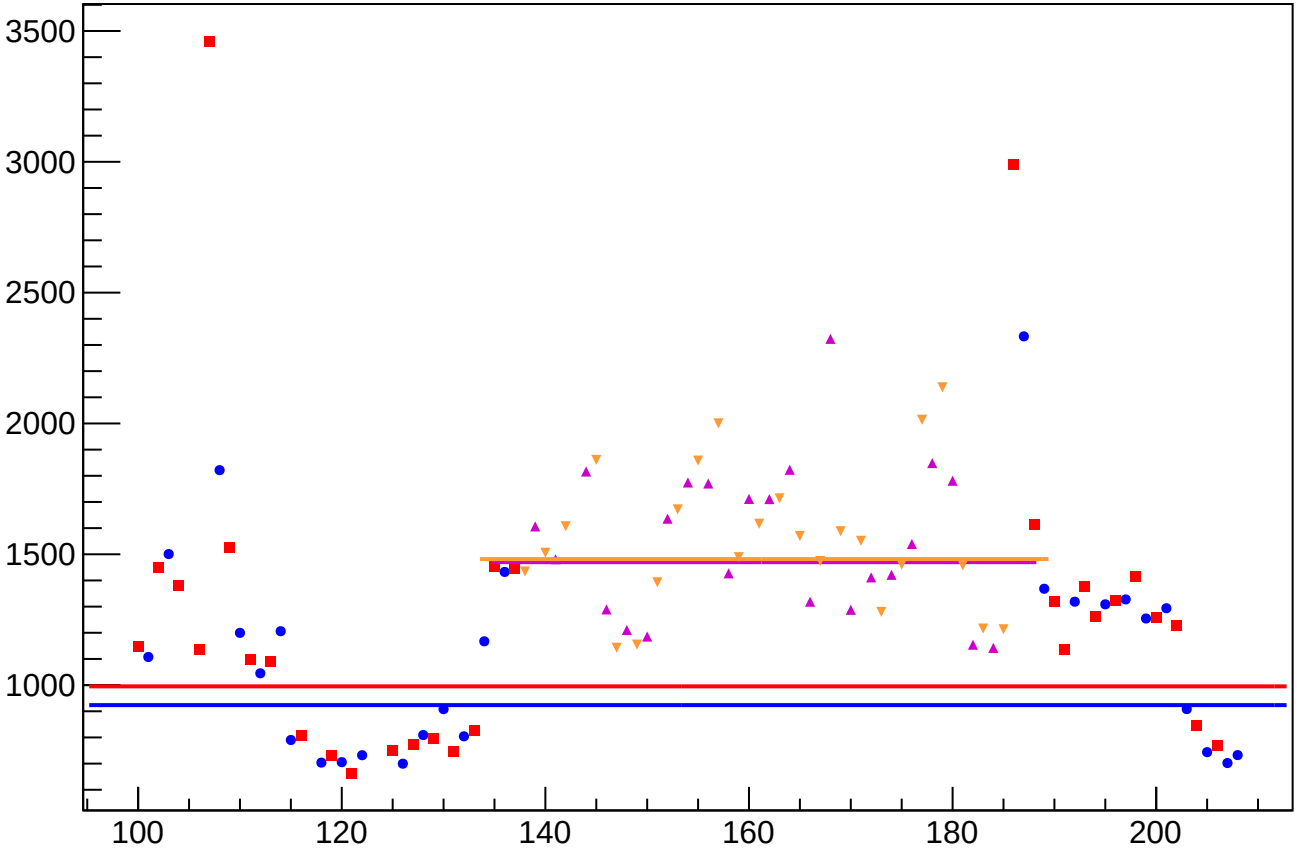
Right: -313.746+/-177.438 χ^2/NDF: 76.5/56

In: -396.137+/-199.414 χ^2/NDF:48.6/49

Out: -283.811+/-208.833 χ^2/NDF:87.6/53

All: -342.565+/-144.222 χ^2/NDF: 136.4/103

asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 923.513+/-0.172 χ^2/NDF: 2455561.9/26

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 995.253+/-0.184 χ^2/NDF: 2954020.7/29

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

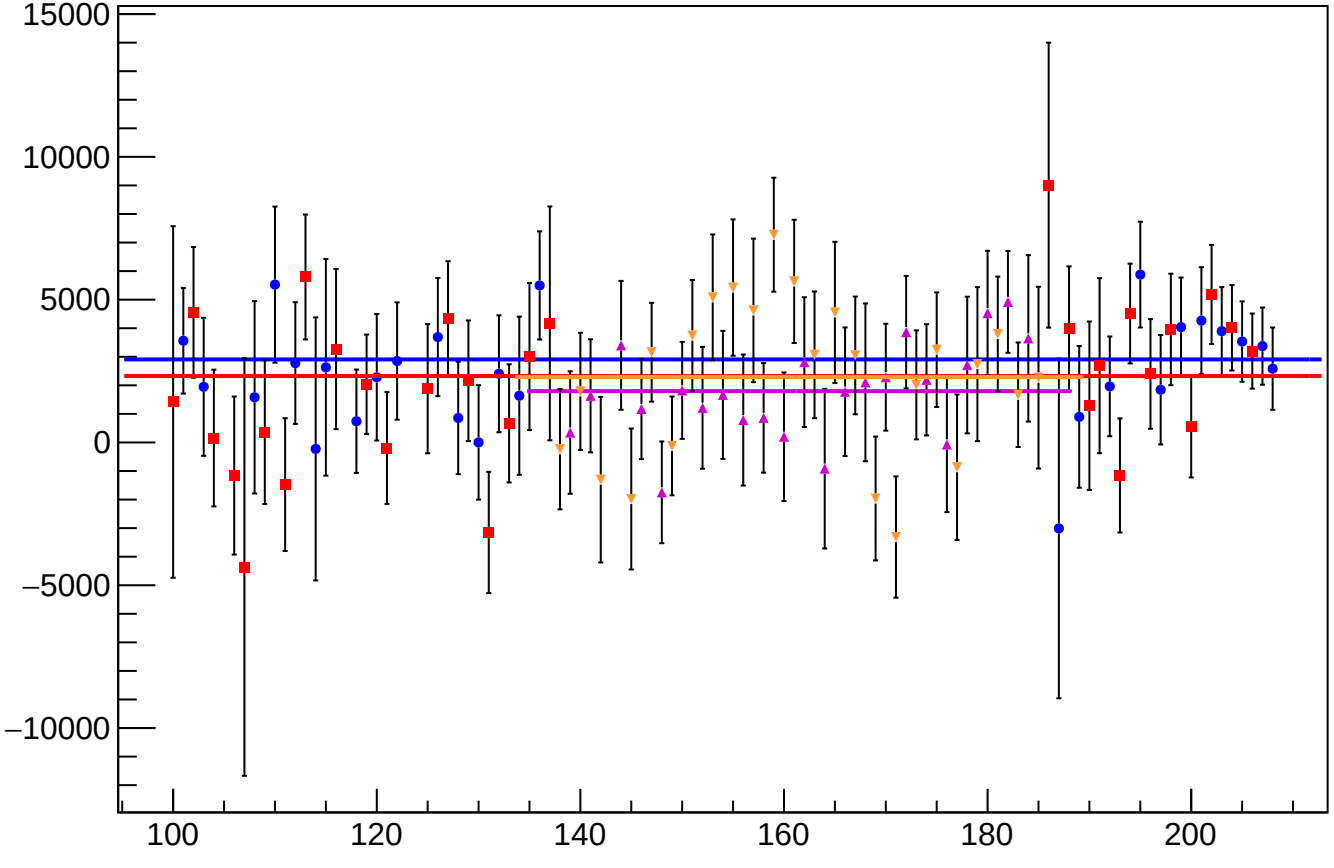
Right: 956.930+/-0.125 χ^2/NDF: 5490933.6/56

In: 1101.254+/-0.141 χ^2/NDF:6846135.5/49

Out: 1167.771+/-0.148 χ^2/NDF:6453938.6/53

All: 1132.979+/-0.102 χ^2/NDF: 13406207.8/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 2907.331+/-383.177 χ^2/NDF: 15.4/26

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 2325.659+/-395.070 χ^2/NDF: 33.7/29

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

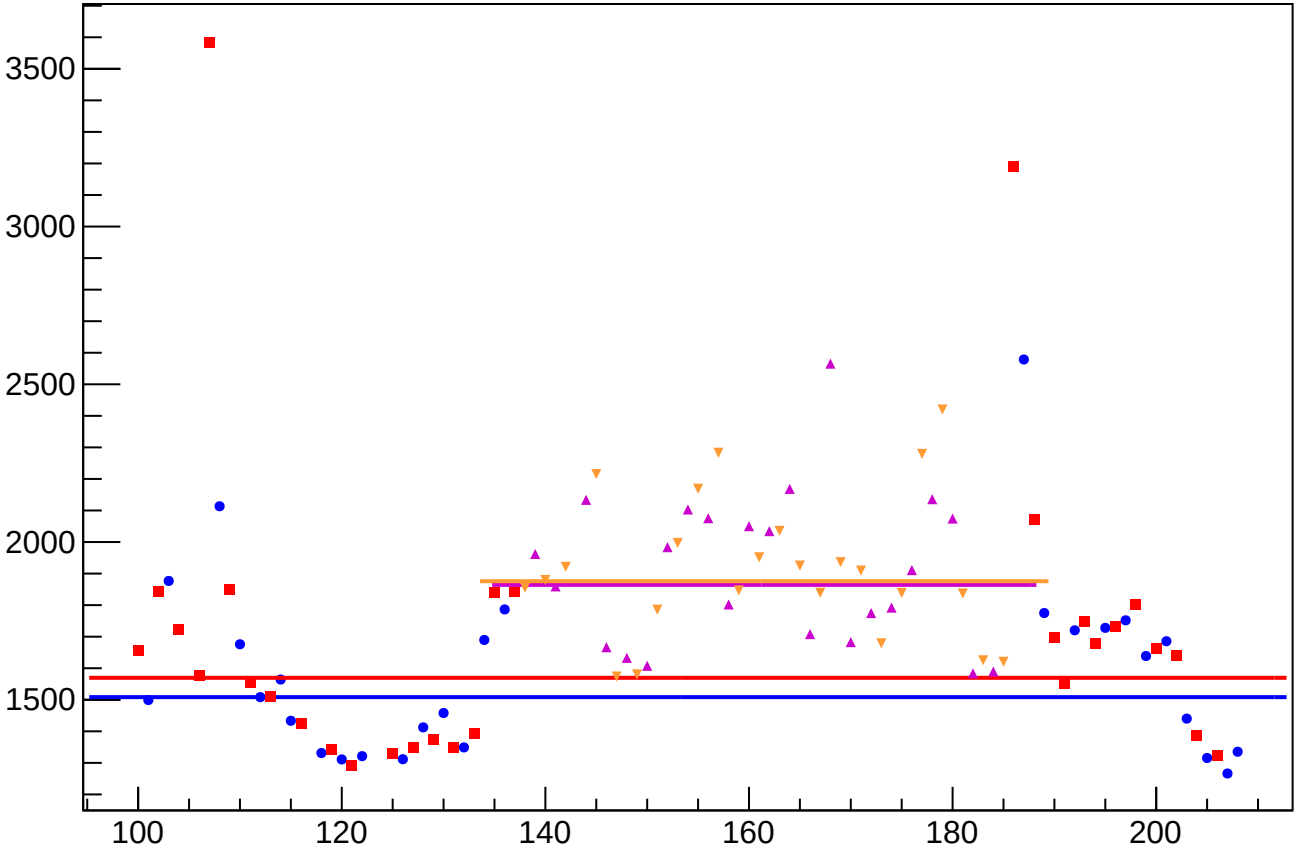
Right: 2625.381+/-275.056 χ^2/NDF: 50.2/56

In: 2427.085+/-288.720 χ^2/NDF:33.2/49

Out: 2309.582+/-293.761 χ^2/NDF:69.7/53

All: 2369.350+/-205.915 χ^2/NDF: 103.1/103

asym_usl_rms vs Slug, Sign Corrected



Right In: 1508.375+/-0.271 χ^2/NDF: 600548.3/26

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1569.661+/-0.279 χ^2/NDF: 922155.2/29

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

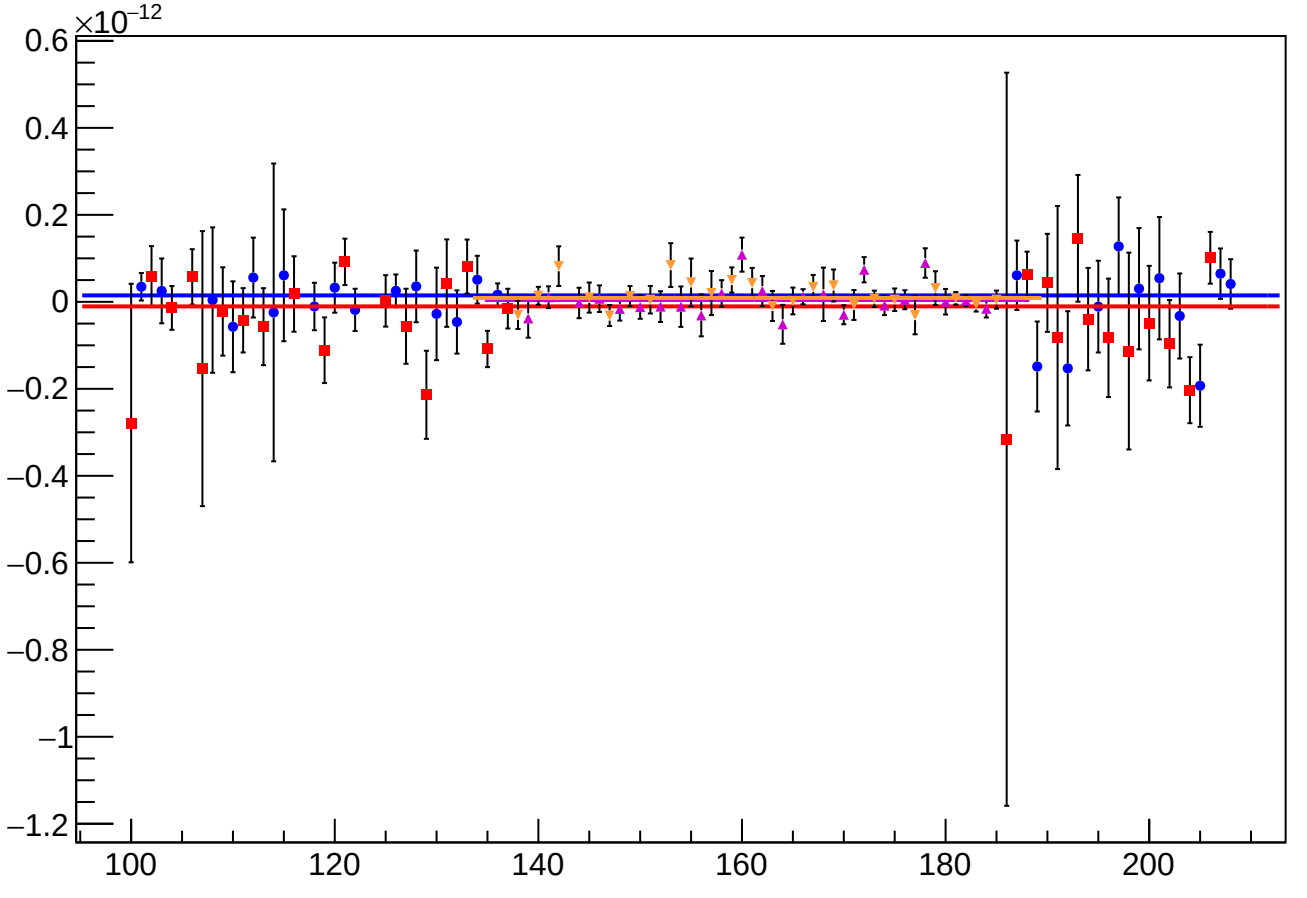
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1538.082+/-0.194 χ^2/NDF: 1547502.9/56

In: 1662.166+/-0.204 χ^2/NDF:1856482.8/49

Out: 1706.546+/-0.208 χ^2/NDF:1931722.0/53

All: 1683.972+/-0.146 χ^2/NDF: 3811423.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/29

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

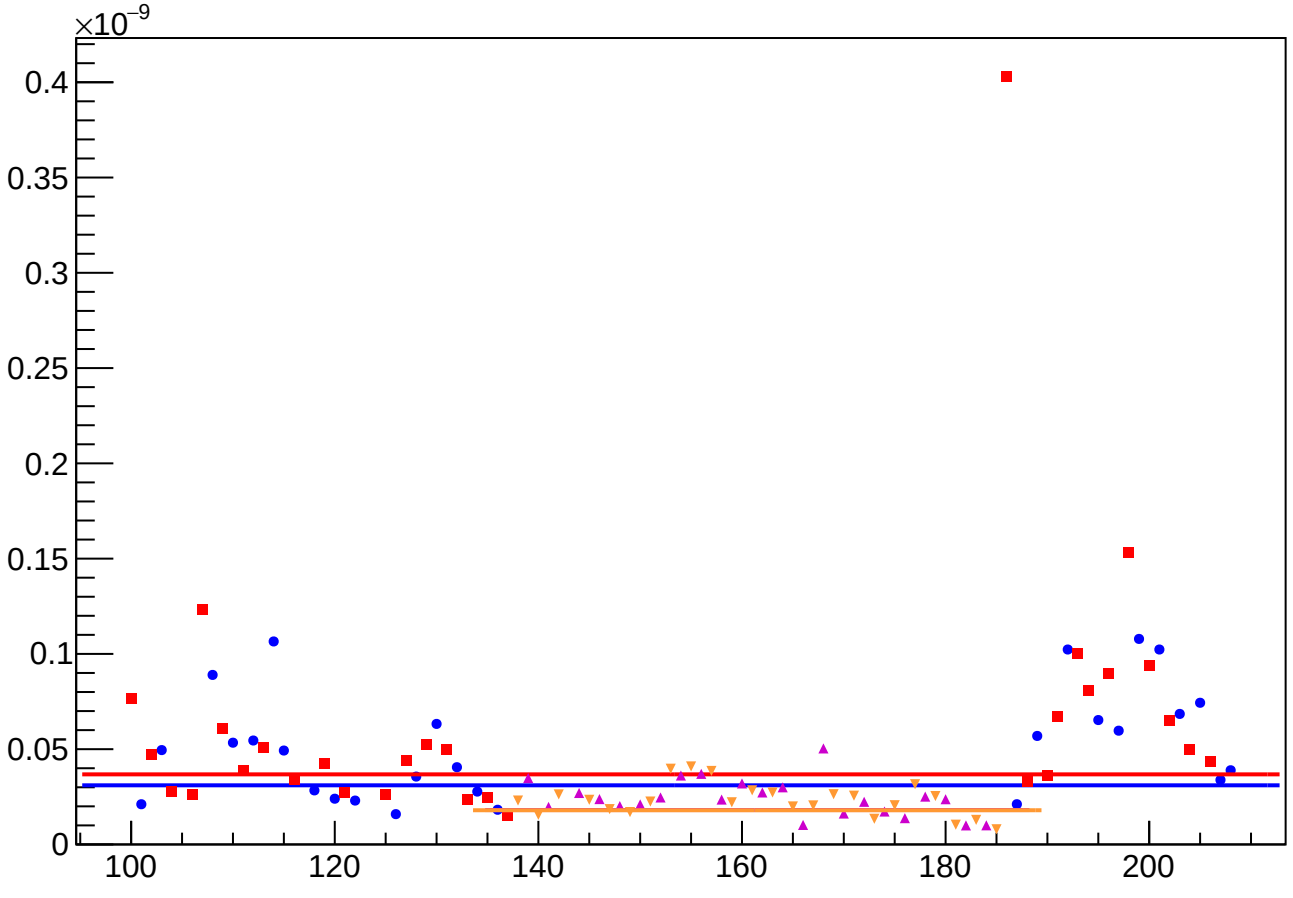
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 53.3/56

In: 0.000+/-0.000 χ^2/NDF:43.8/49

Out: 0.000+/-0.000 χ^2/NDF:54.6/53

All: 0.000+/-0.000 χ^2/NDF: 98.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 4999723.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3974767.8/29

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

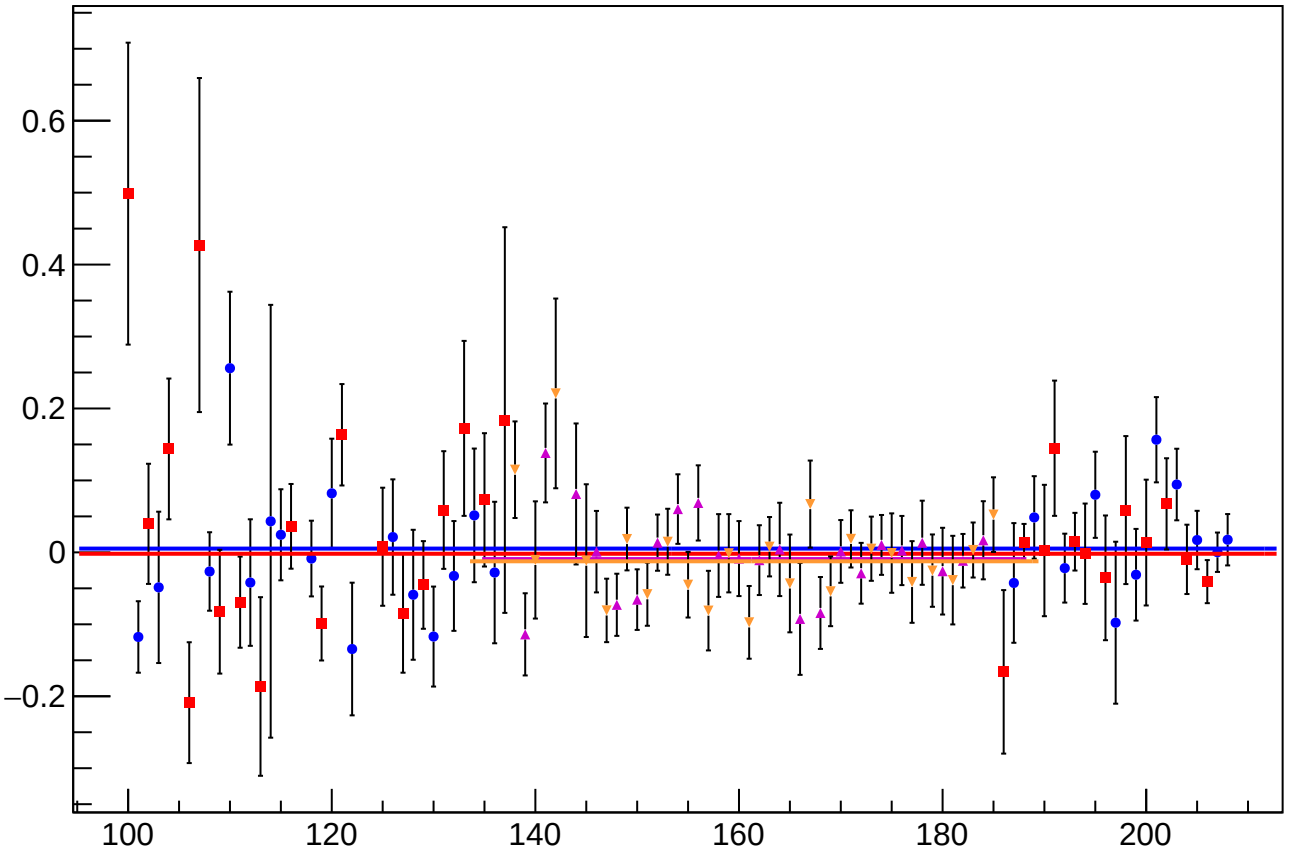
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9168614.7/56

In: 0.000+/-0.000 χ^2/NDF:11095445.6/49

Out: 0.000+/-0.000 χ^2/NDF:10621579.5/53

All: 0.000+/-0.000 χ^2/NDF: 21718032.1/103



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

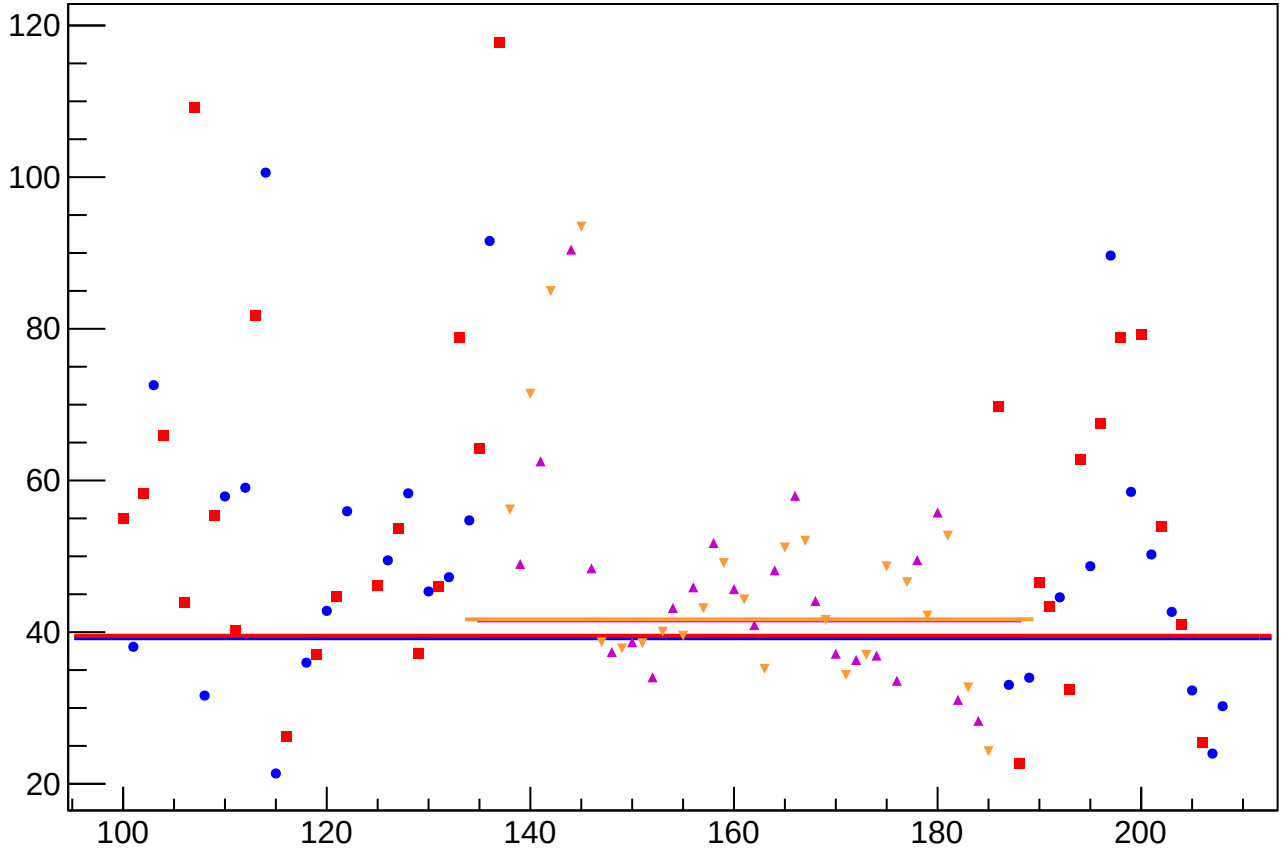
Right: 0.002+/-0.008 χ^2/NDF: 79.5/56

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.005+/-0.005 χ^2/NDF: 124.7/103

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183972.2/29

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

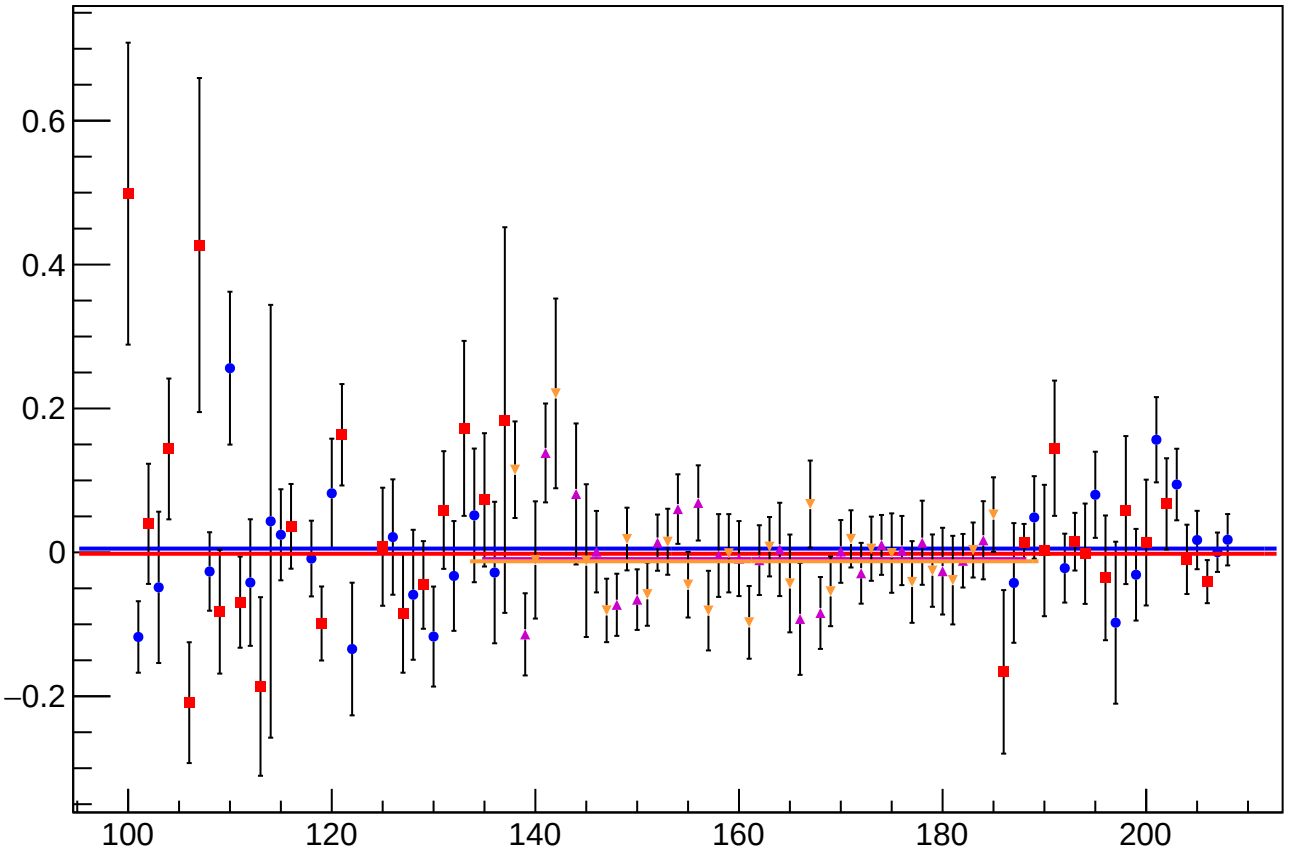
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 39.360+/-0.006 χ^2/NDF: 7262084.0/56

In: 40.471+/-0.005 χ^2/NDF:4736469.6/49

Out: 40.721+/-0.006 χ^2/NDF:6044129.5/53

All: 40.595+/-0.004 χ^2/NDF: 10781639.6/103



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

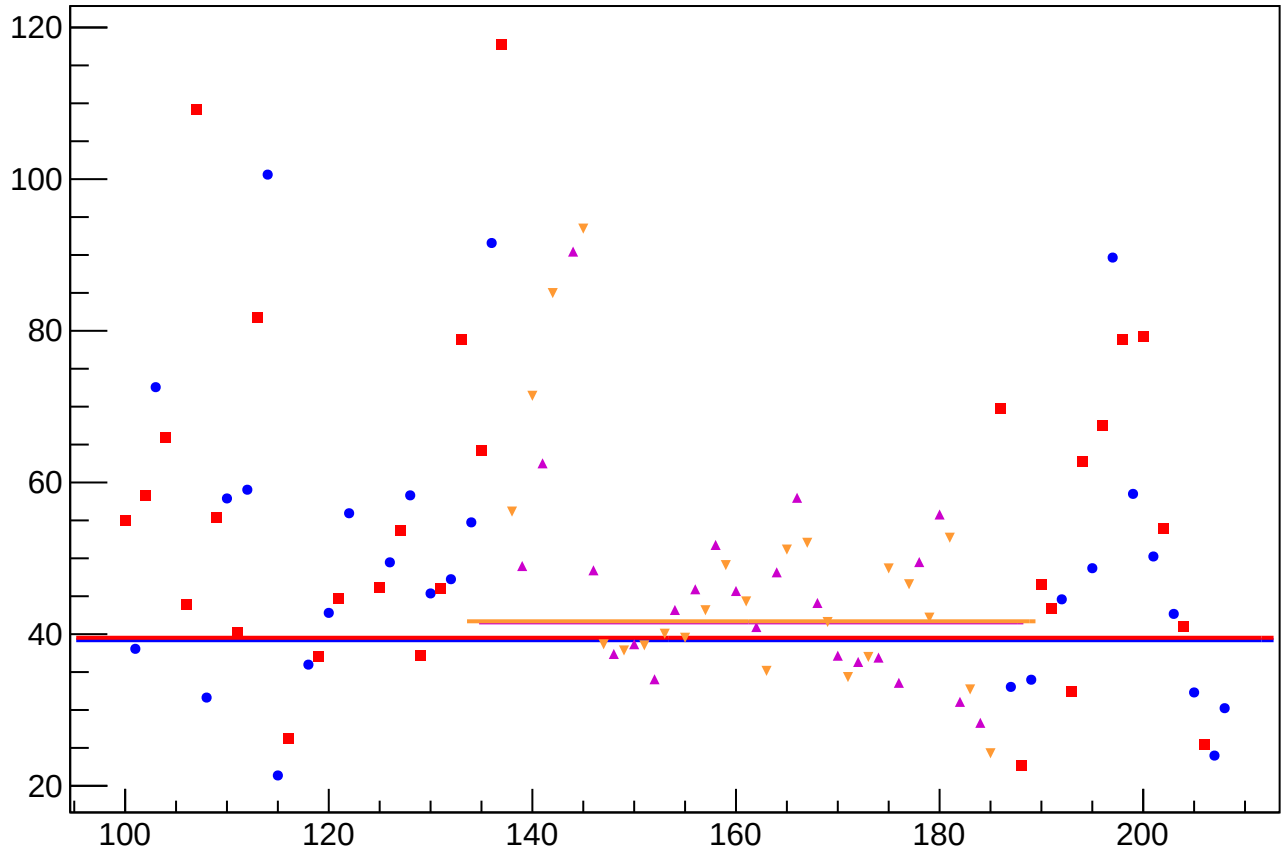
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.002+/-0.008 χ^2/NDF: 79.5/56

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.005+/-0.005 χ^2/NDF: 124.7/103



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183972.2/29

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

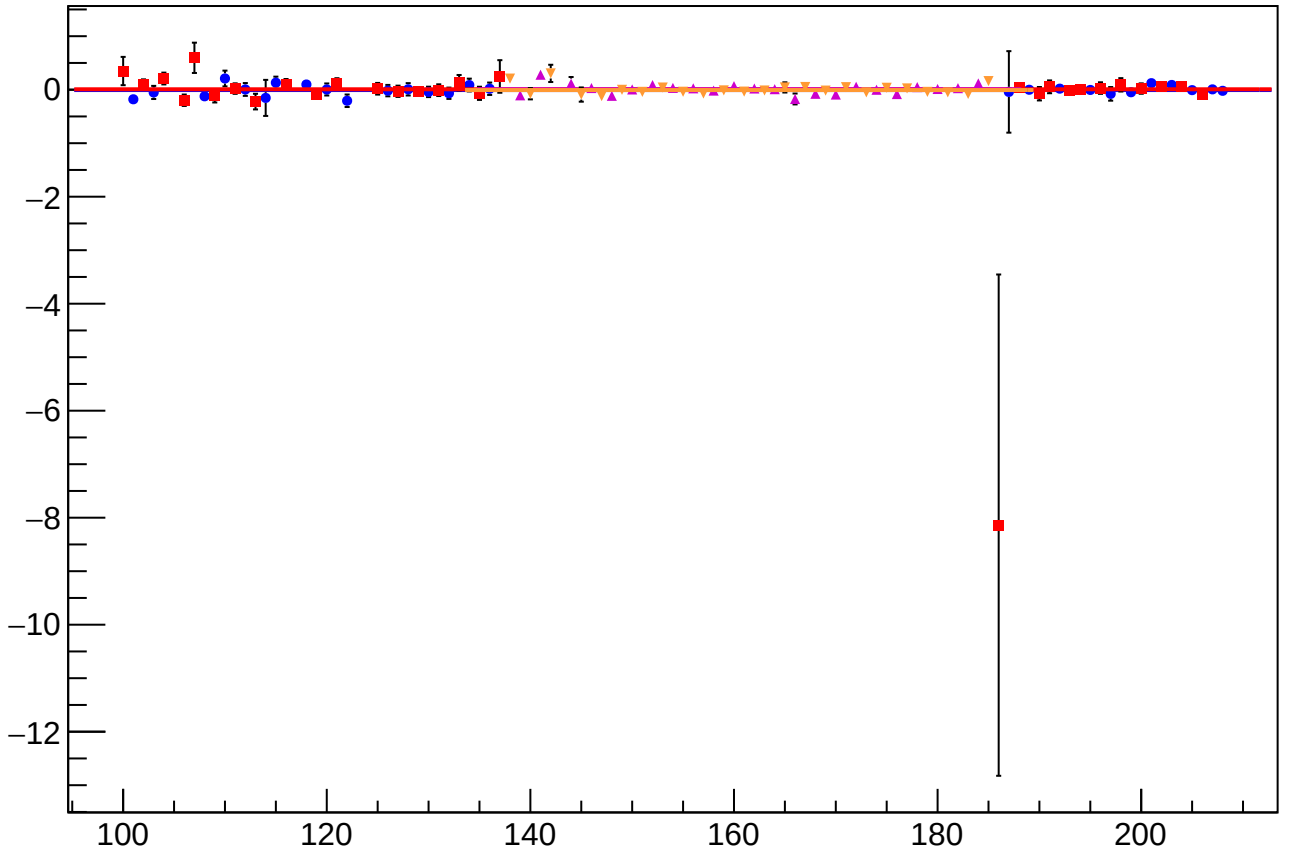
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 39.360+/-0.006 χ^2/NDF: 7262084.0/56

In: 40.471+/-0.005 χ^2/NDF:4736469.6/49

Out: 40.721+/-0.006 χ^2/NDF:6044129.5/53

All: 40.595+/-0.004 χ^2/NDF: 10781639.6/103



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.008+/-0.017 χ^2/NDF: 32.2/29

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

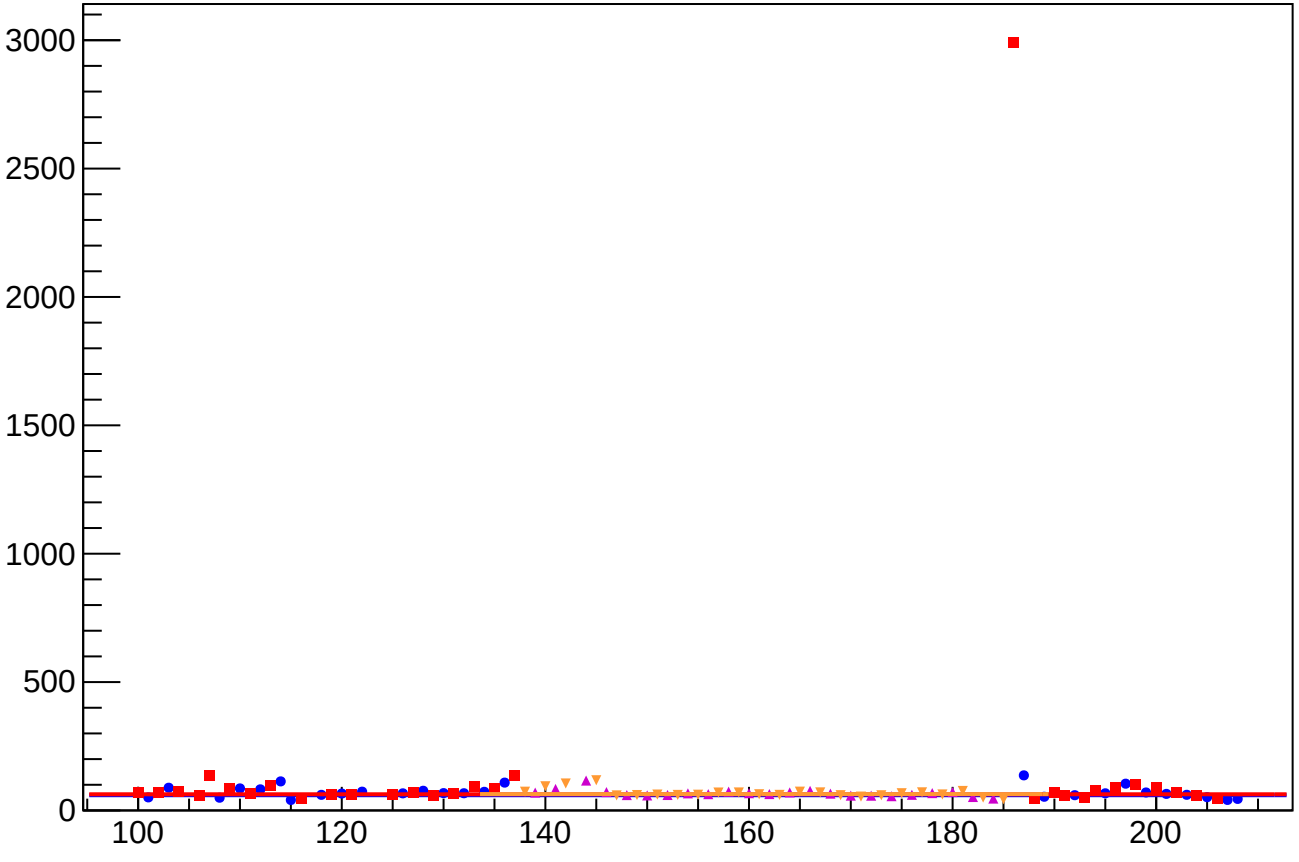
Right: 0.000+/-0.012 χ^2/NDF: 57.2/56

In: 0.001+/-0.011 χ^2/NDF:53.1/49

Out: -0.000+/-0.011 χ^2/NDF:56.3/53

All: 0.000+/-0.008 χ^2/NDF: 109.4/103

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.387+/-0.011 χ^2/NDF: 1782197.8/26

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.022+/-0.012 χ^2/NDF: 2552126.7/29

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

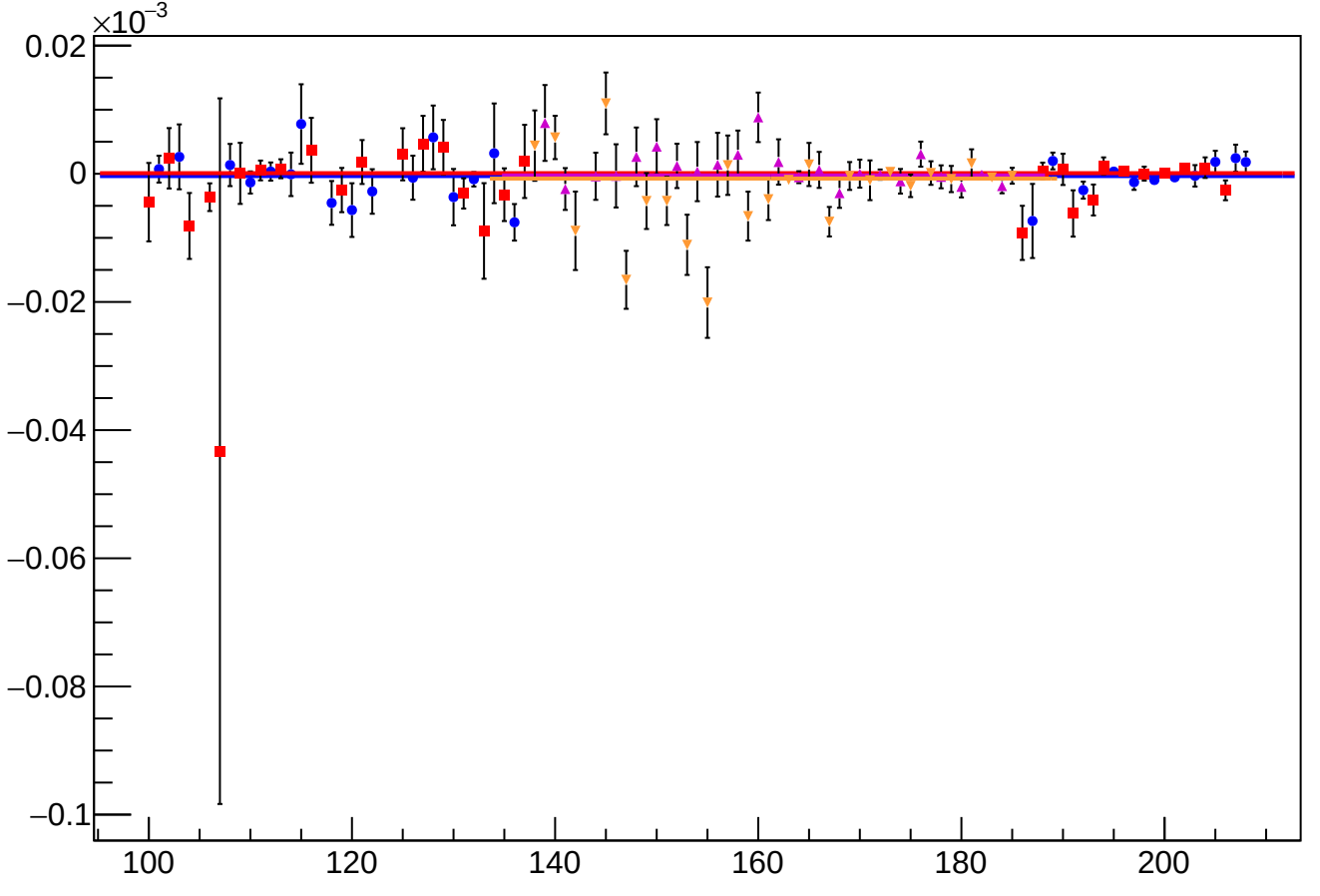
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 61.108+/-0.008 χ^2/NDF: 4381695.5/56

In: 61.823+/-0.008 χ^2/NDF:2706723.8/49

Out: 63.440+/-0.008 χ^2/NDF:3633106.1/53

All: 62.614+/-0.006 χ^2/NDF: 6360185.5/103



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/29

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

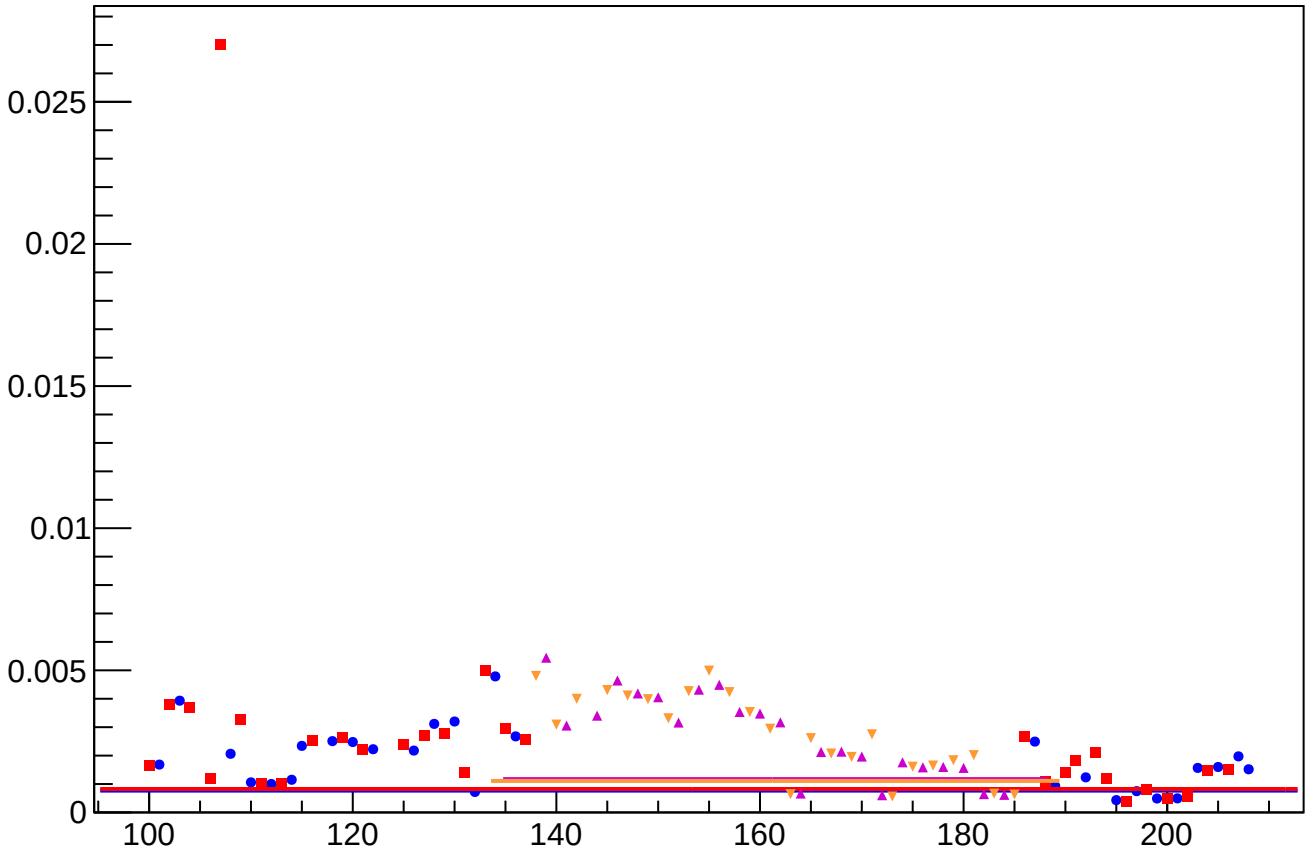
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 65.5/56

In: -0.000+/-0.000 χ^2/NDF:51.1/49

Out: -0.000+/-0.000 χ^2/NDF:95.4/53

All: -0.000+/-0.000 χ^2/NDF: 146.6/103



Right In: 0.001+/-0.000 χ^2/NDF: 10123381.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10566712.2/29

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

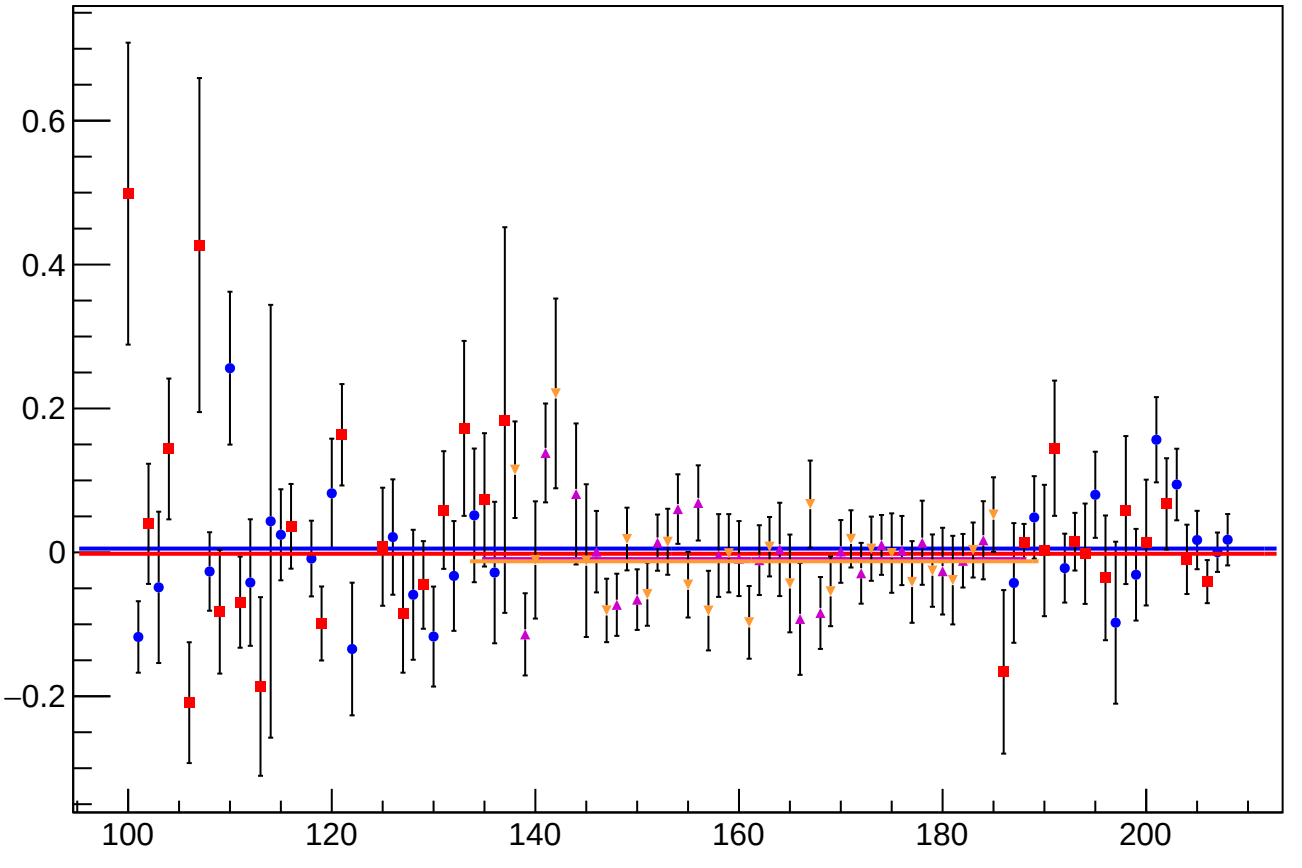
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 20737446.1/56

In: 0.001+/-0.000 χ^2/NDF:26100085.1/49

Out: 0.001+/-0.000 χ^2/NDF:26585758.5/53

All: 0.001+/-0.000 χ^2/NDF: 52715551.2/103



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

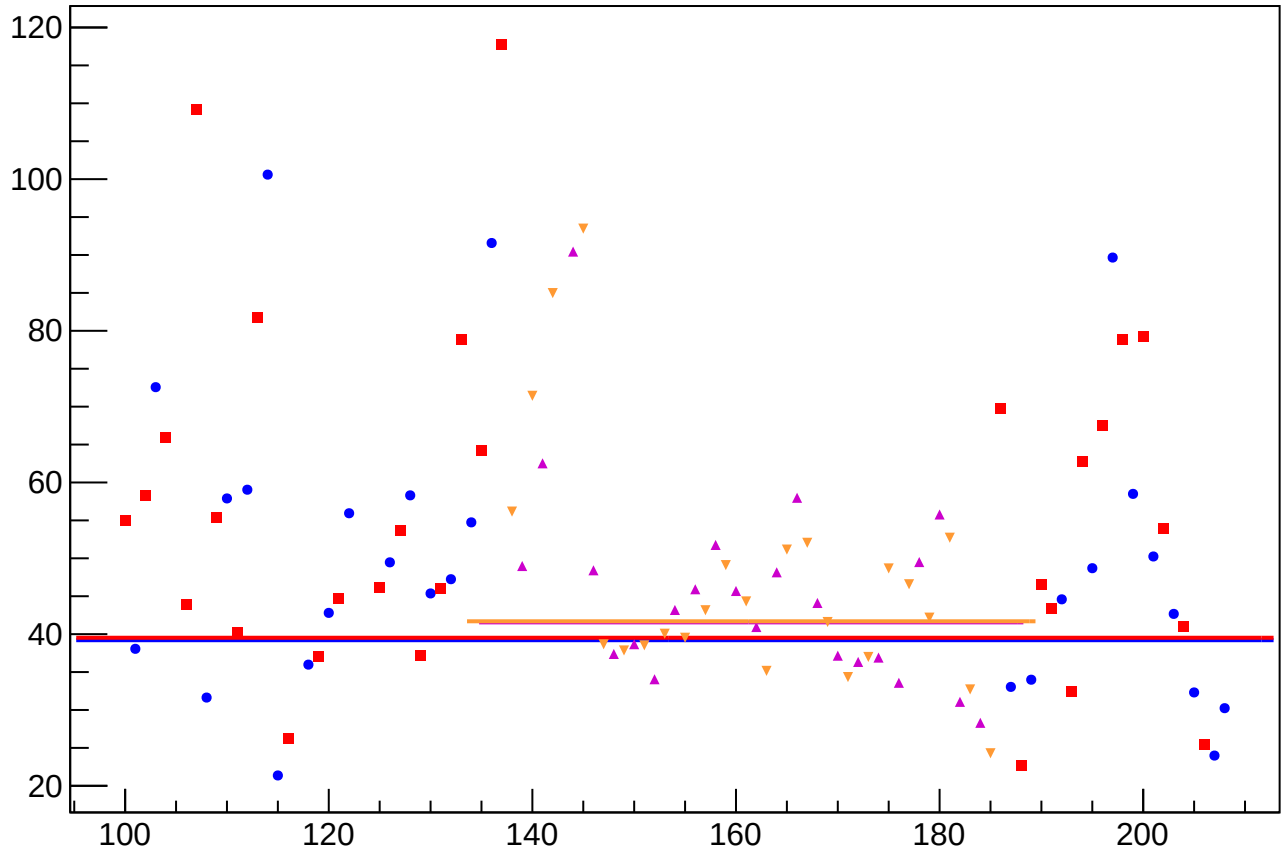
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.002+/-0.008 χ^2/NDF: 79.5/56

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.005+/-0.005 χ^2/NDF: 124.7/103



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

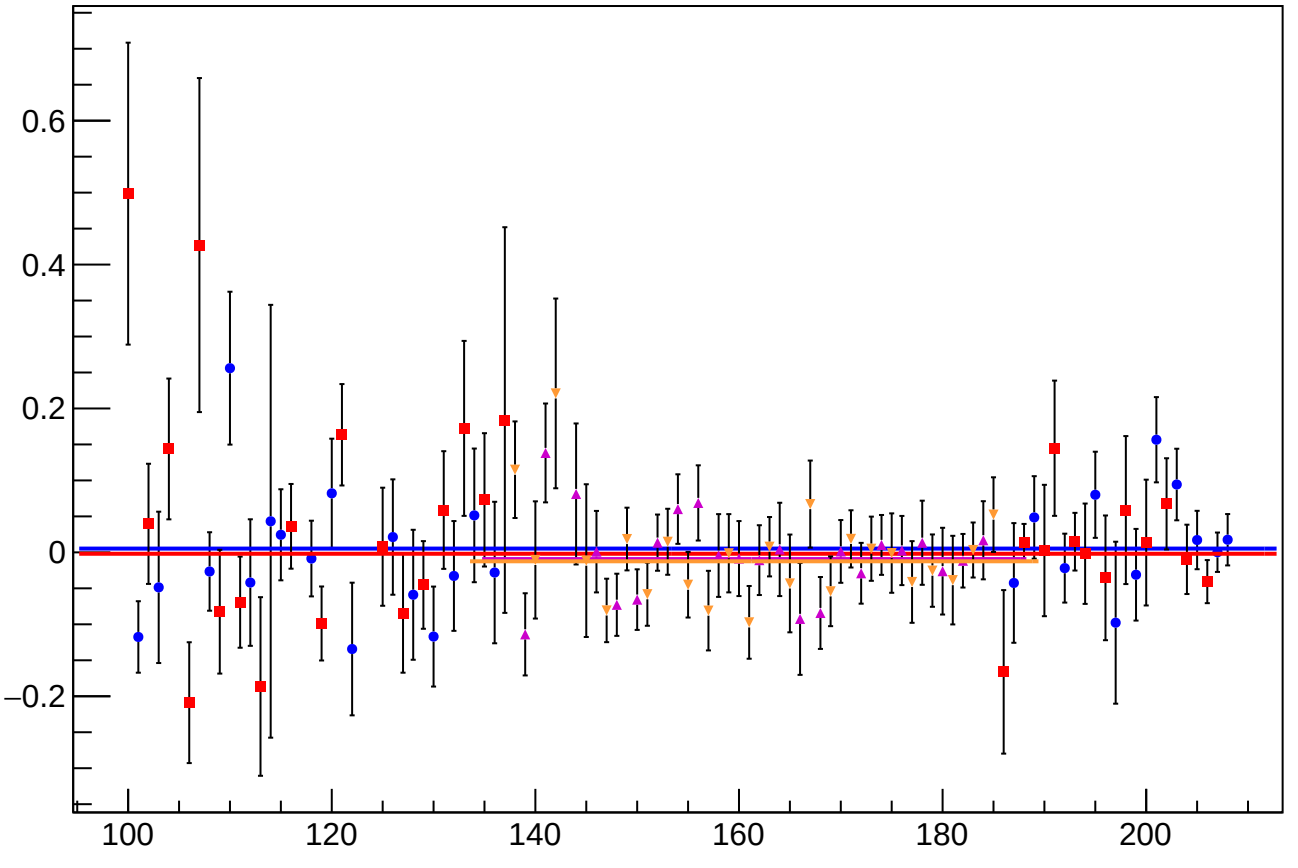
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 39.360+/-0.006 χ^2/NDF: 7261969.8/56

In: 40.471+/-0.005 χ^2/NDF:4736432.8/49

Out: 40.721+/-0.006 χ^2/NDF:6044002.0/53

All: 40.595+/-0.004 χ^2/NDF: 10781475.1/103



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.012 χ^2/NDF: 45.0/29

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

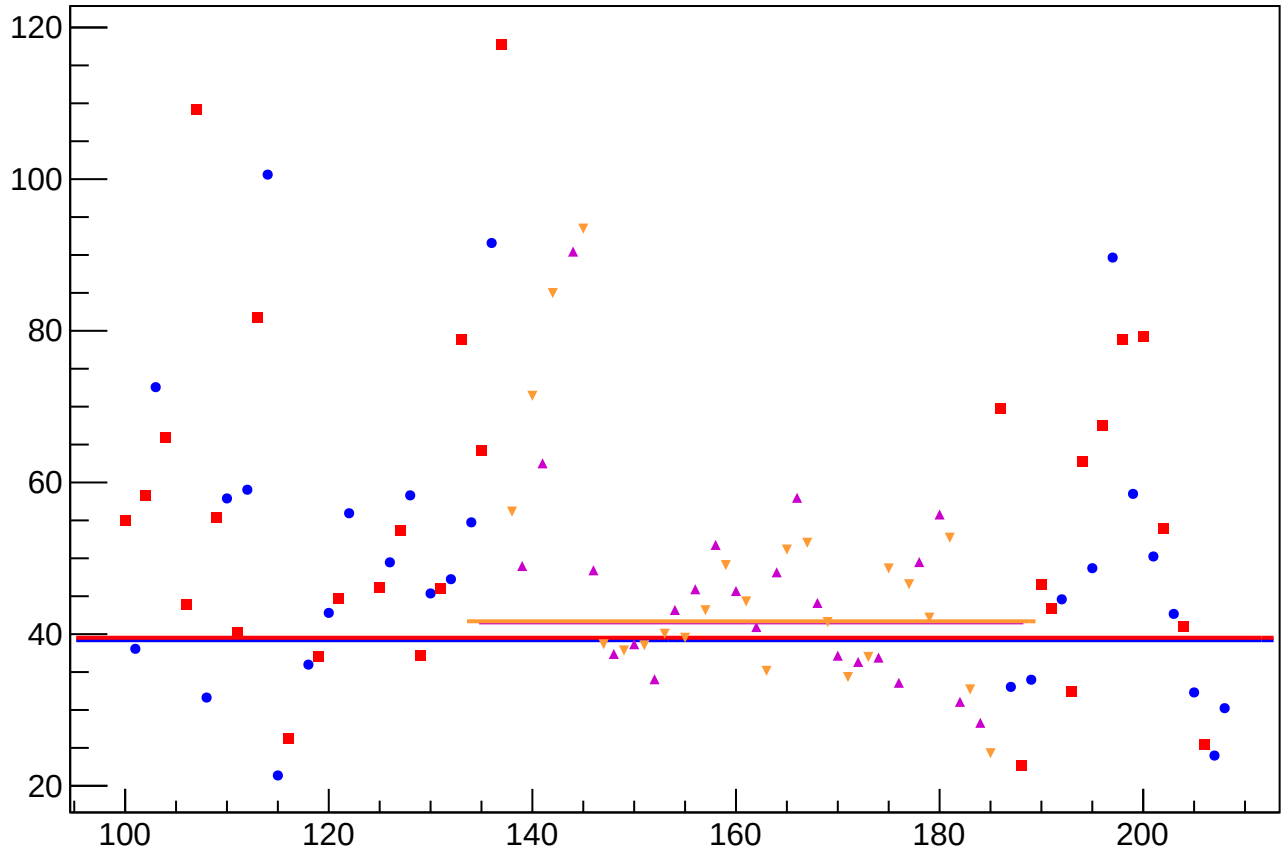
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.002+/-0.008 χ^2/NDF: 79.5/56

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.005+/-0.005 χ^2/NDF: 124.7/103



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

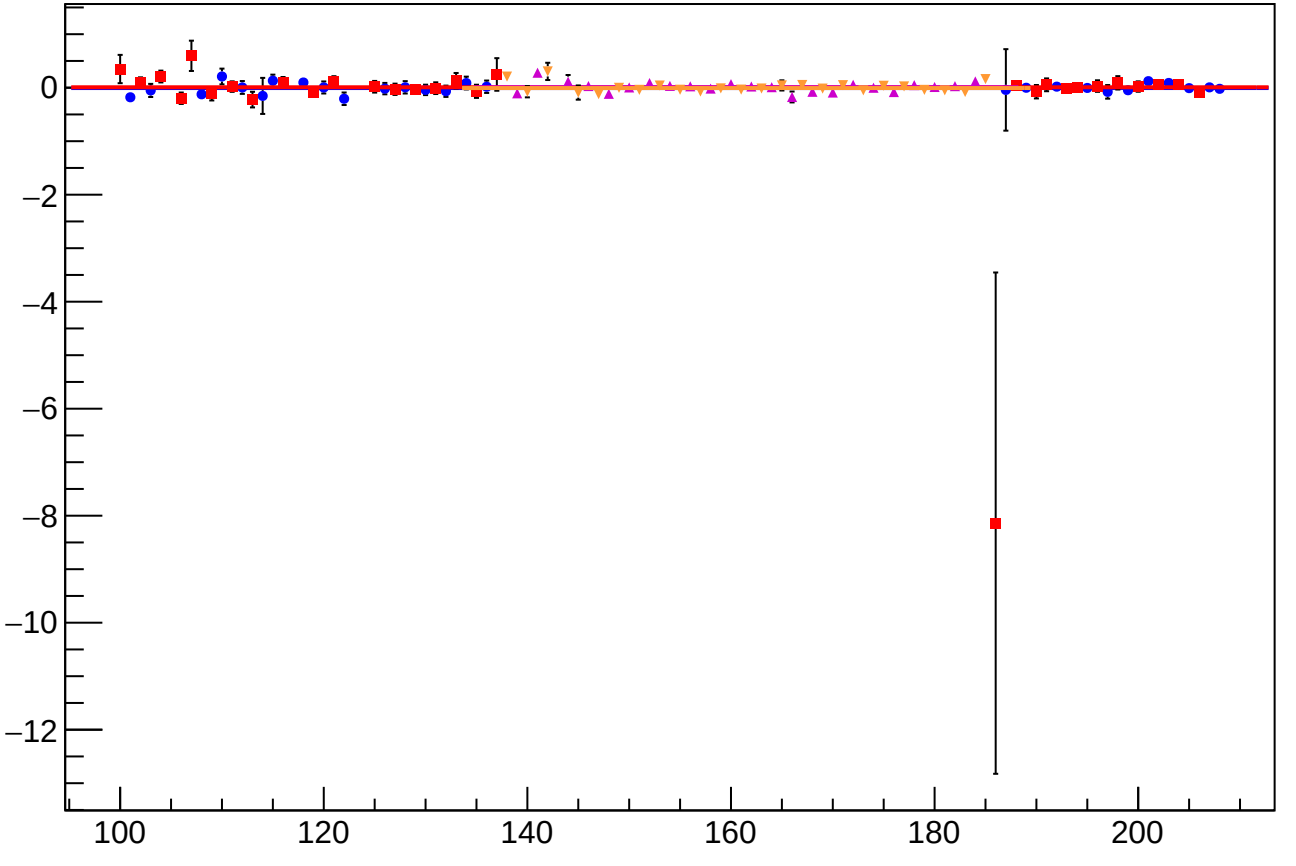
Right: 39.360+/-0.006 χ^2/NDF: 7261969.8/56

In: 40.471+/-0.005 χ^2/NDF:4736432.8/49

Out: 40.721+/-0.006 χ^2/NDF:6044002.0/53

All: 40.595+/-0.004 χ^2/NDF: 10781475.1/103

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.008+/-0.017 χ^2/NDF: 32.2/29

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

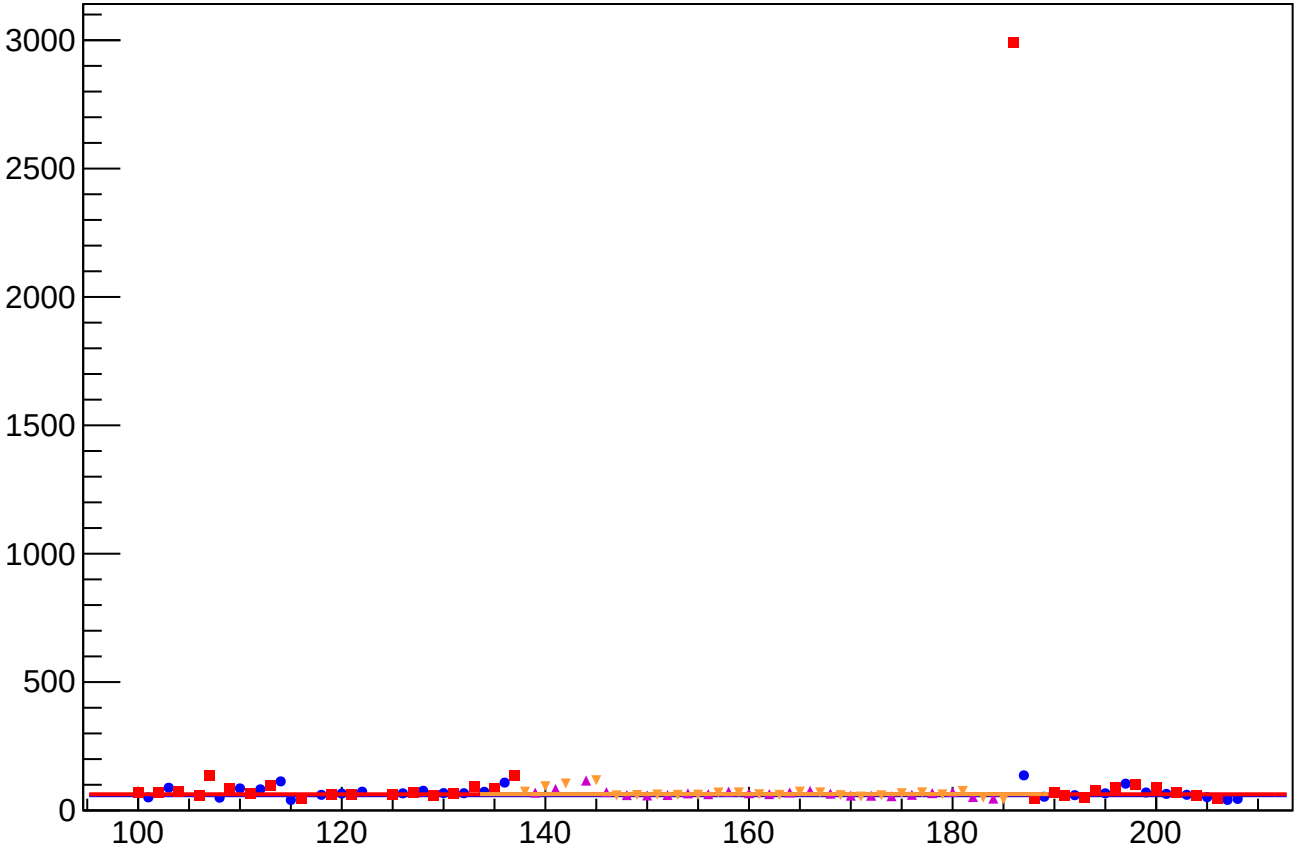
Right: 0.000+/-0.012 χ^2/NDF: 57.2/56

In: 0.001+/-0.011 χ^2/NDF:53.1/49

Out: -0.000+/-0.011 χ^2/NDF:56.3/53

All: 0.000+/-0.008 χ^2/NDF: 109.4/103

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.387+/-0.011 χ^2/NDF: 1782188.8/26

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.022+/-0.012 χ^2/NDF: 2552099.9/29

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

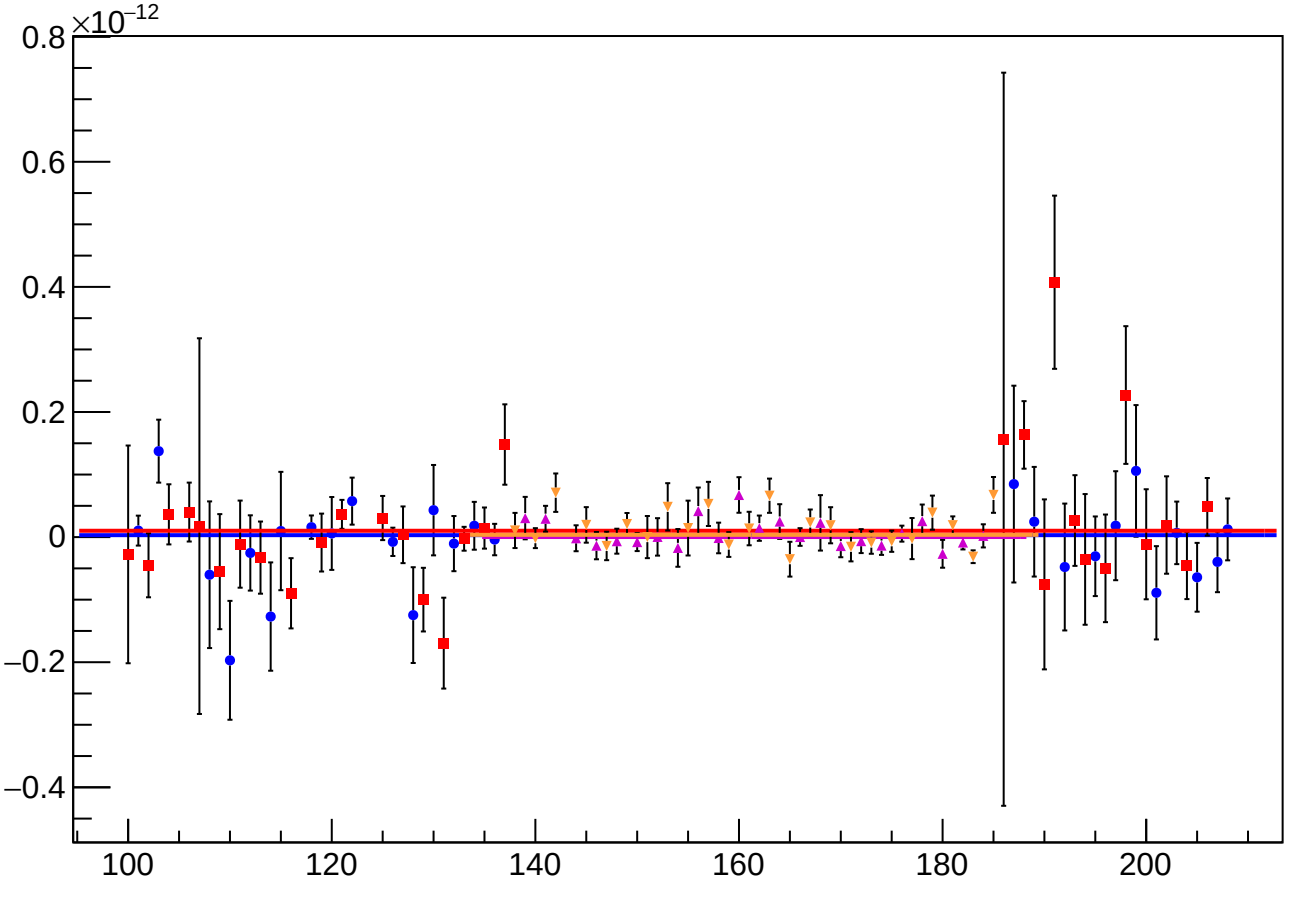
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 61.108+/-0.008 χ^2/NDF: 4381657.9/56

In: 61.823+/-0.008 χ^2/NDF:2706720.6/49

Out: 63.440+/-0.008 χ^2/NDF:3633068.5/53

All: 62.614+/-0.006 χ^2/NDF: 6360143.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 47.1/29

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

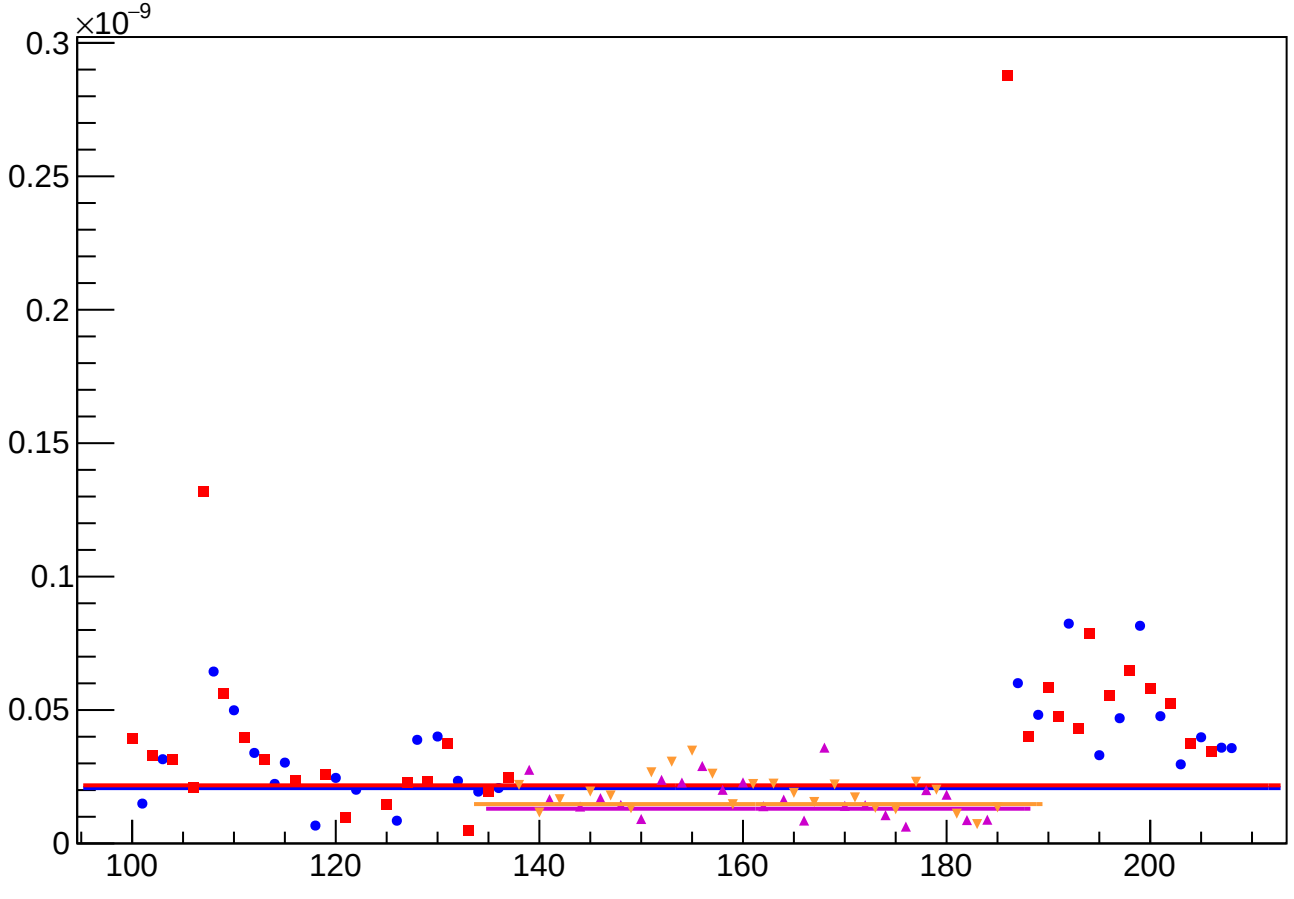
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 73.8/56

In: 0.000+/-0.000 χ^2/NDF:43.6/49

Out: 0.000+/-0.000 χ^2/NDF:88.1/53

All: 0.000+/-0.000 χ^2/NDF: 132.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 5706256.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6448676.3/29

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

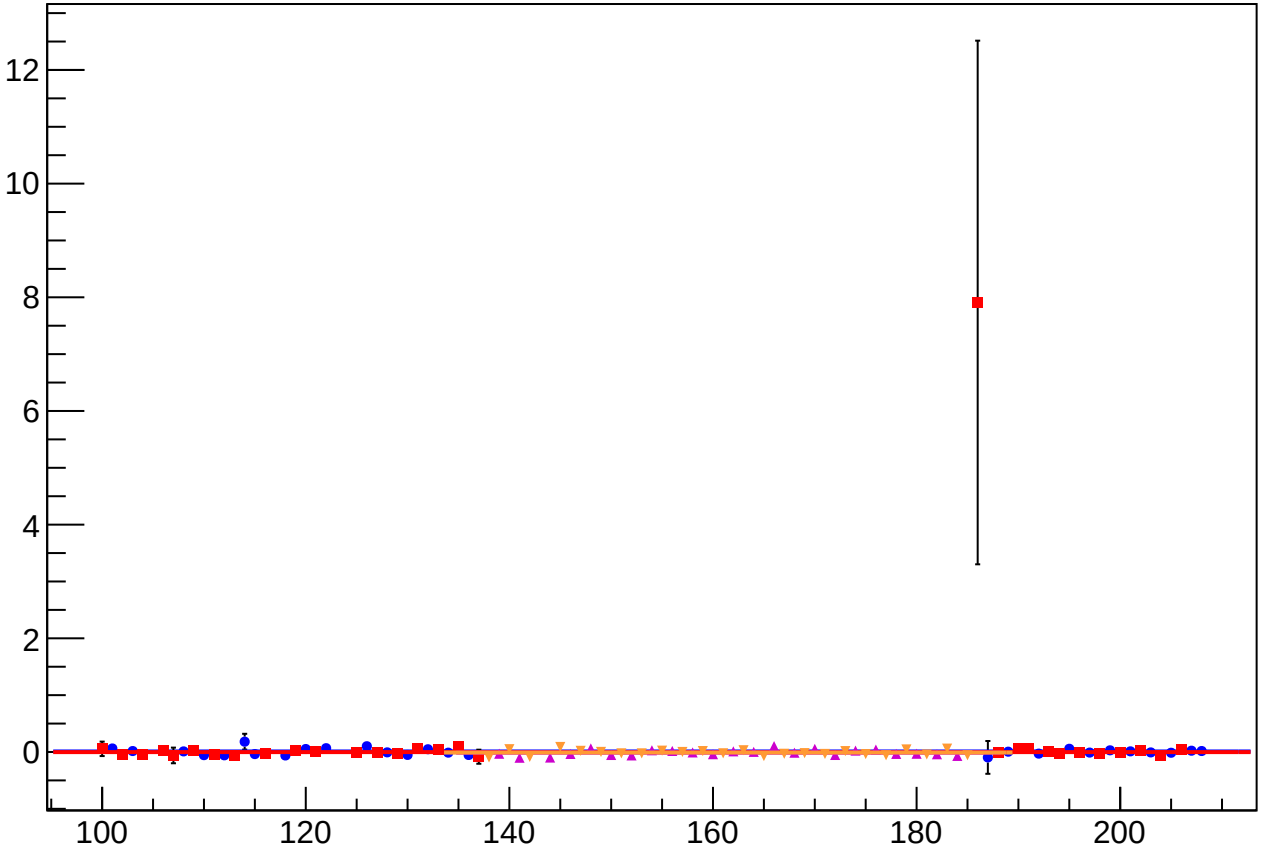
Right: 0.000+/-0.000 χ^2/NDF: 12169408.5/56

In: 0.000+/-0.000 χ^2/NDF:11012518.4/49

Out: 0.000+/-0.000 χ^2/NDF:10971460.3/53

All: 0.000+/-0.000 χ^2/NDF: 22167749.7/103

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.002+/-0.008 χ^2/NDF: 24.4/29

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

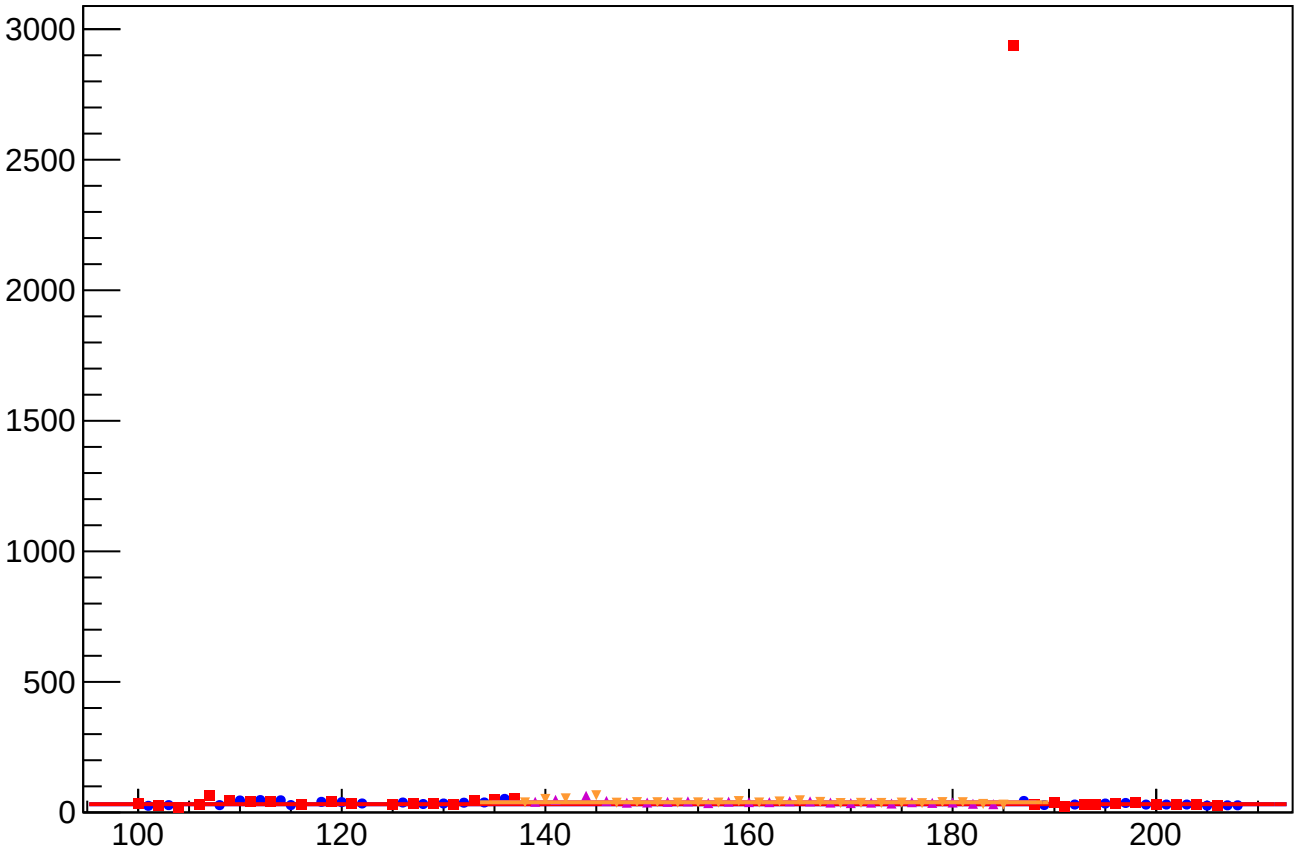
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.004+/-0.006 χ^2/NDF: 44.8/56

In: 0.000+/-0.006 χ^2/NDF:45.3/49

Out: -0.006+/-0.006 χ^2/NDF:44.1/53

All: -0.003+/-0.004 χ^2/NDF: 89.9/103



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

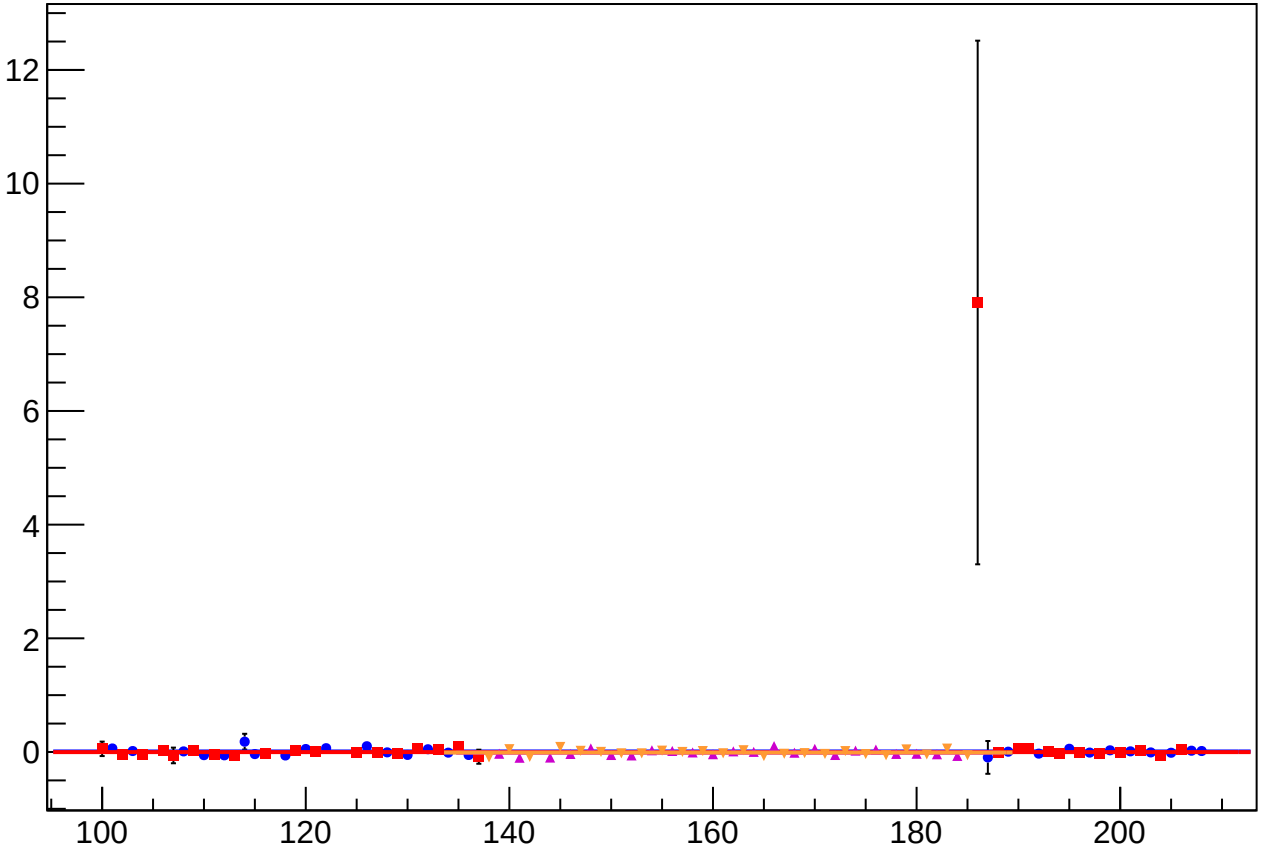
Right: 31.592+/-0.004 χ^2/NDF: 2877979.7/56

In: 34.828+/-0.004 χ^2/NDF:2176736.7/49

Out: 34.975+/-0.004 χ^2/NDF:3228164.9/53

All: 34.901+/-0.003 χ^2/NDF: 5405441.1/103

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.002+/-0.008 χ^2/NDF: 24.4/29

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

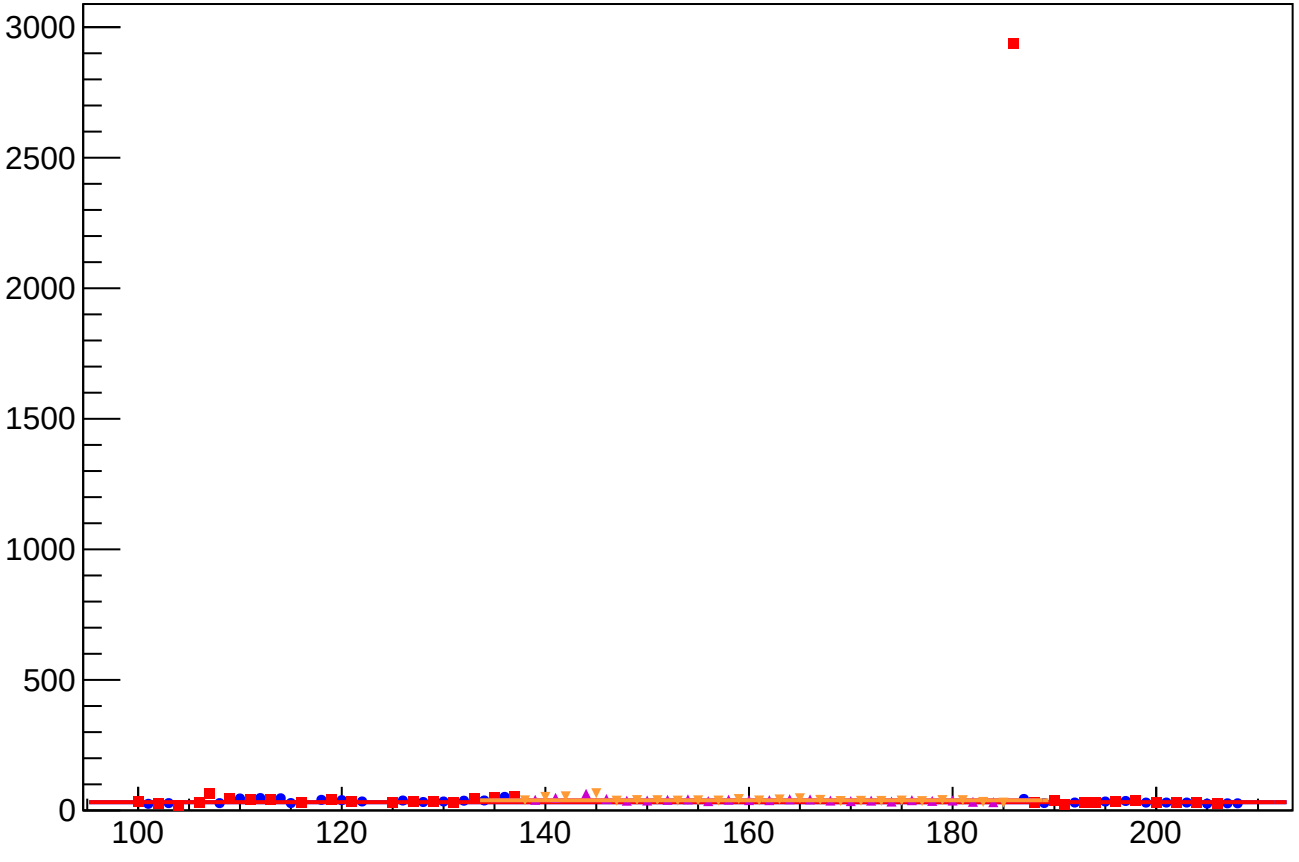
Right: 0.004+/-0.006 χ^2/NDF: 44.8/56

In: 0.000+/-0.006 χ^2/NDF:45.3/49

Out: -0.006+/-0.006 χ^2/NDF:44.1/53

All: -0.003+/-0.004 χ^2/NDF: 89.9/103

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

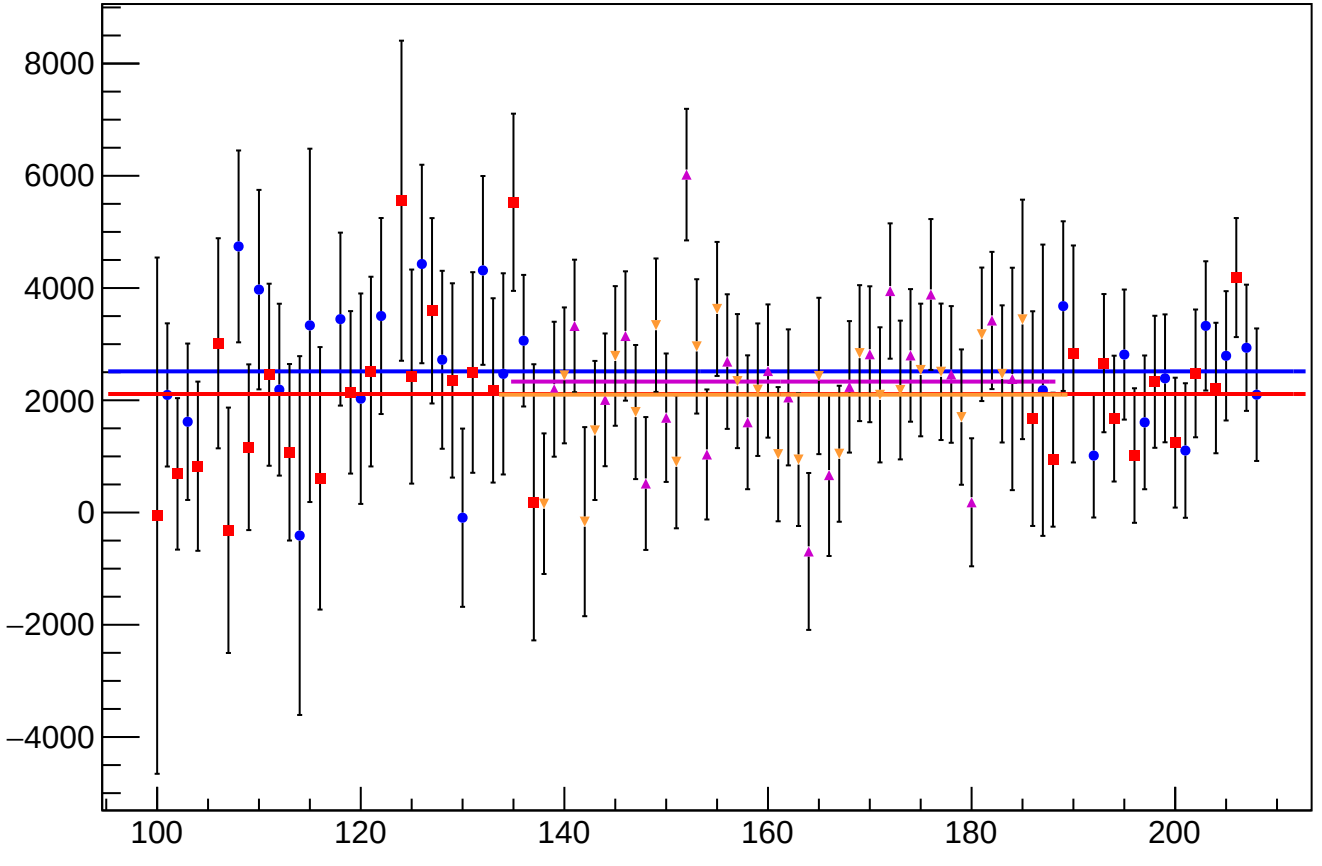
Right: 31.592+/-0.004 χ^2/NDF: 2877979.7/56

In: 34.828+/-0.004 χ^2/NDF:2176736.7/49

Out: 34.975+/-0.004 χ^2/NDF:3228164.9/53

All: 34.901+/-0.003 χ^2/NDF: 5405441.1/103

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2111.860+/-273.212 χ^2/NDF: 19.4/29

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

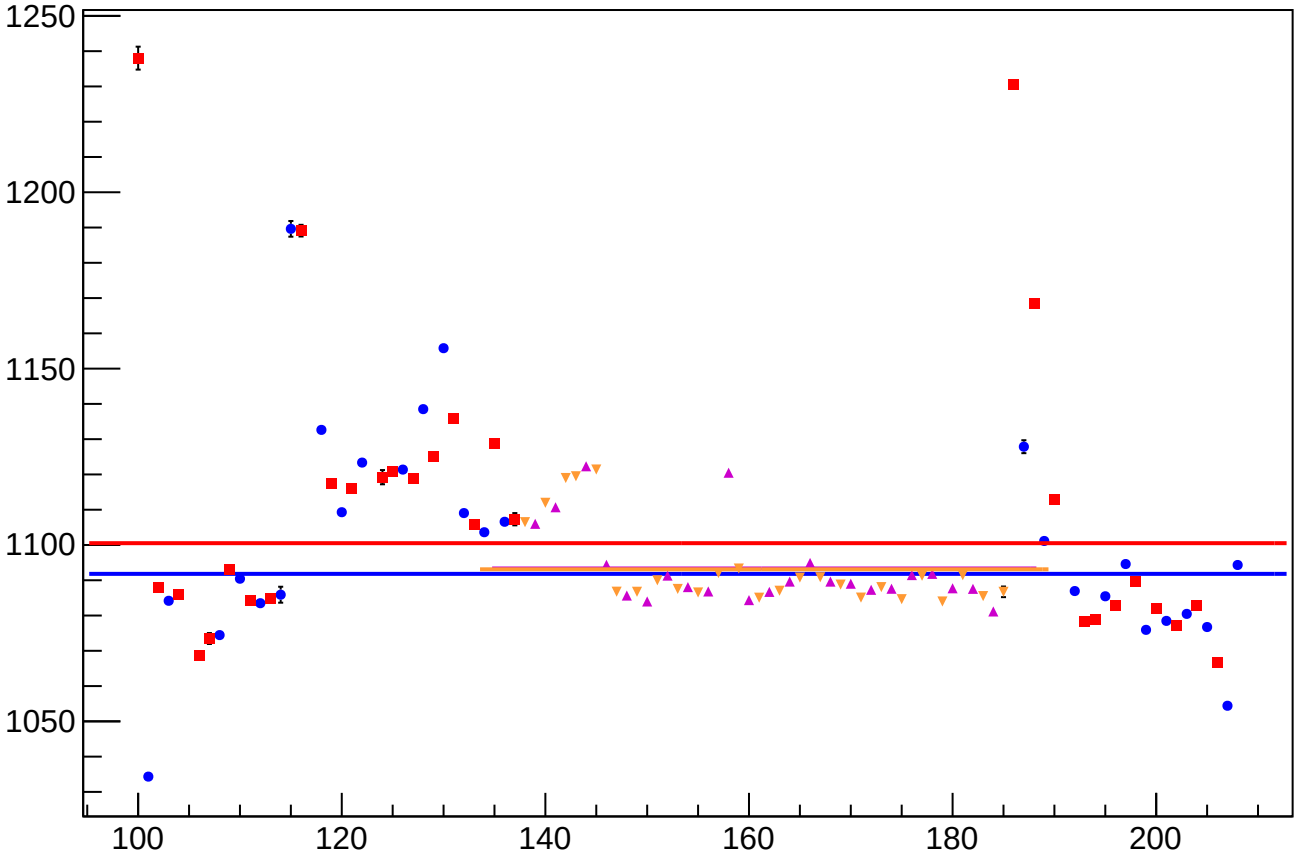
Right: 2312.788+/-193.568 χ^2/NDF: 35.7/56

In: 2417.591+/-186.869 χ^2/NDF:44.9/49

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2258.965+/-131.021 χ^2/NDF: 79.5/104

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

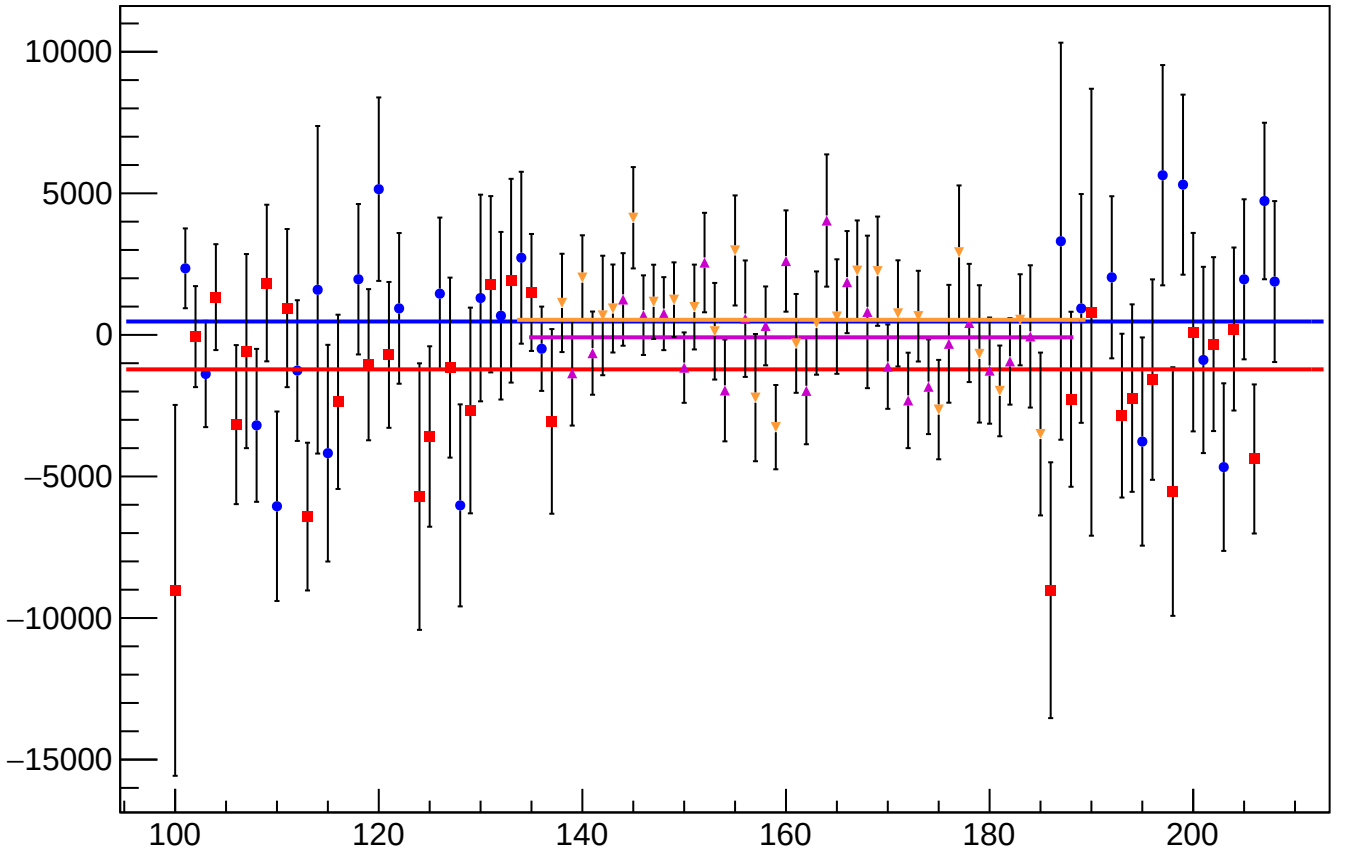
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1096.181+/-0.137 χ^2/NDF: 50574.1/56

In: 1092.631+/-0.132 χ^2/NDF:22434.2/49

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1094.575+/-0.093 χ^2/NDF: 58538.0/104



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1216.966+/-540.011 χ^2/NDF: 22.0/29

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

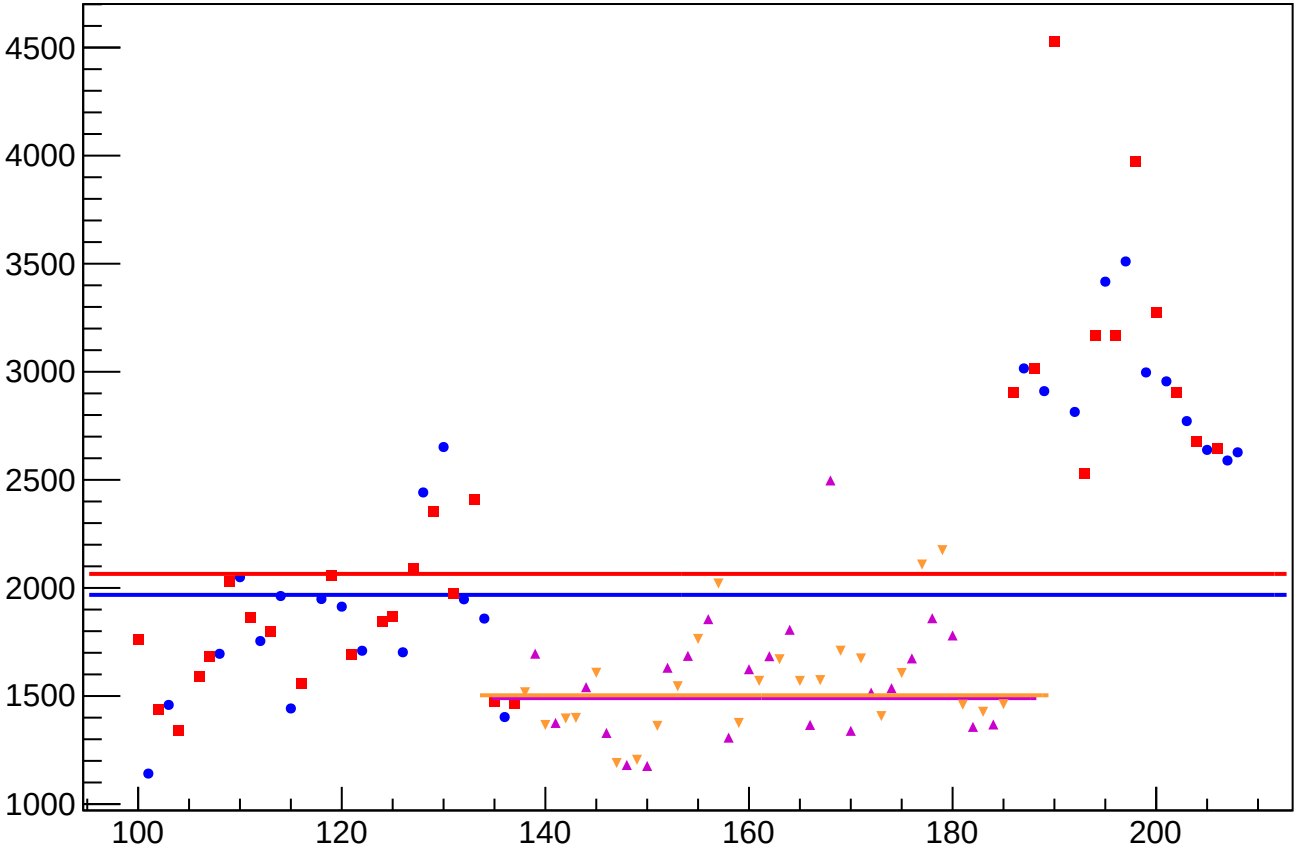
Right: -345.892+/-375.939 χ^2/NDF: 56.3/56

In: 89.831+/-293.241 χ^2/NDF:48.1/49

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 55.333+/-206.933 χ^2/NDF: 104.0/104

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

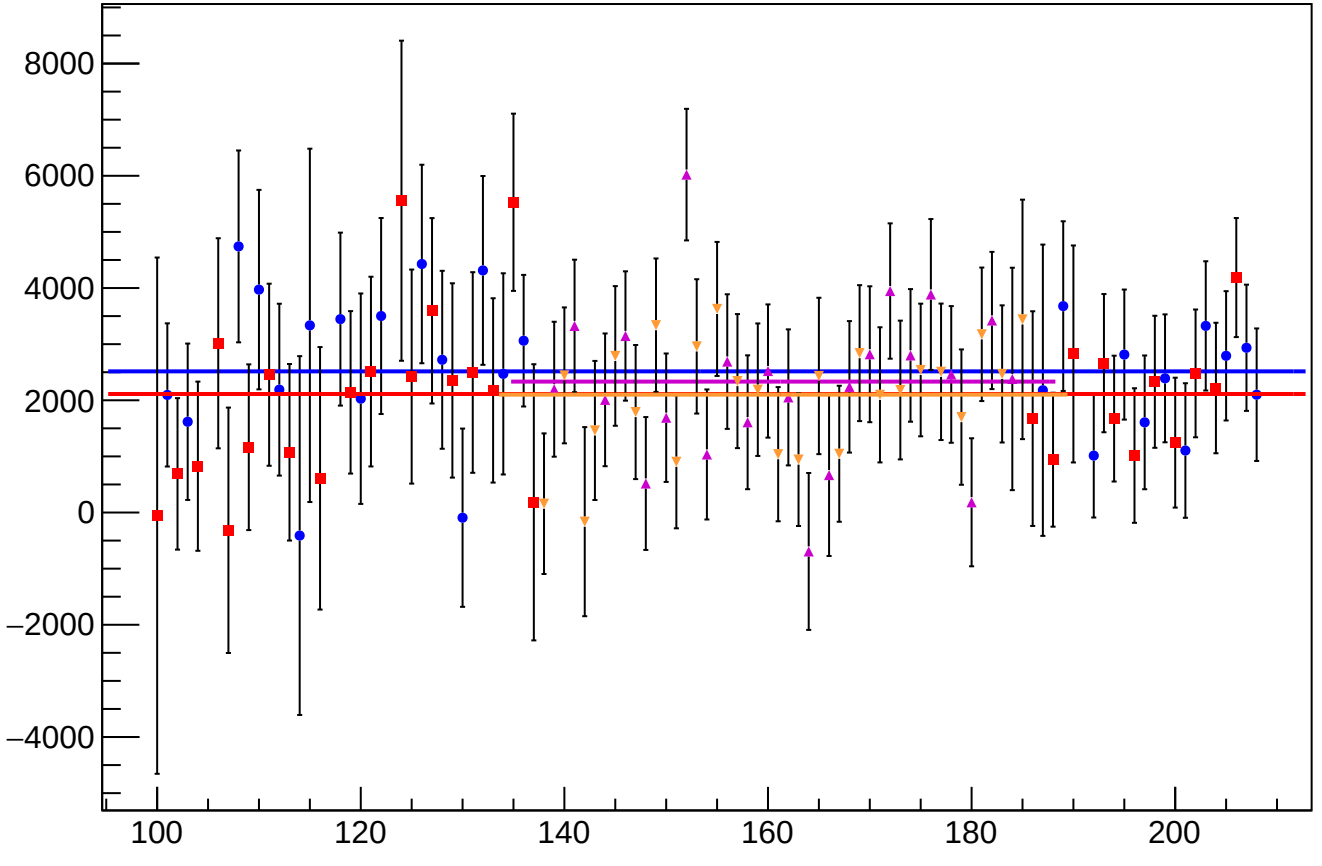
Right: 2015.009+/-0.266 χ^2/NDF: 6102561.0/56

In: 1640.092+/-0.207 χ^2/NDF:5267171.9/49

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1653.952+/-0.146 χ^2/NDF: 10518577.0/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2111.860+/-273.212 χ^2/NDF: 19.4/29

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

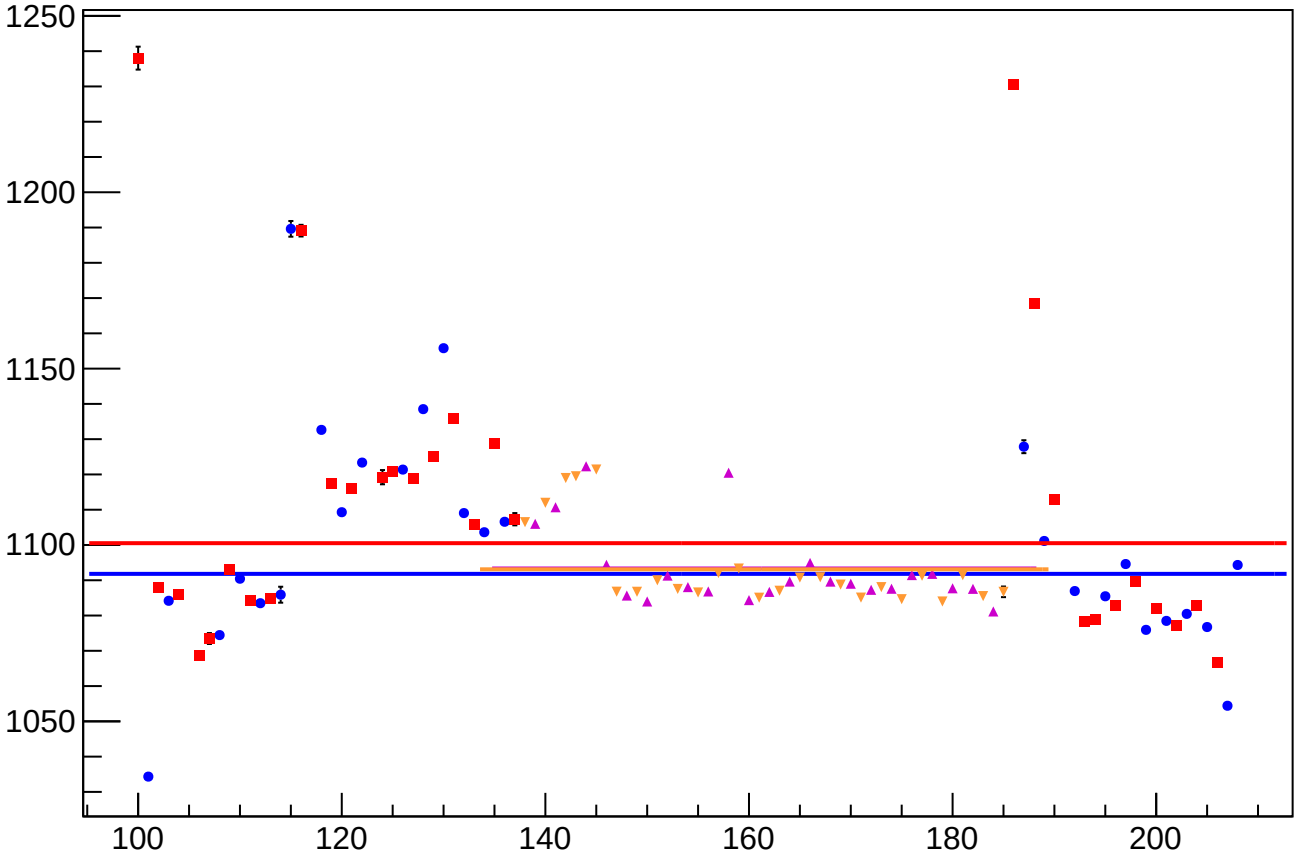
Right: 2312.788+/-193.568 χ^2/NDF: 35.7/56

In: 2417.591+/-186.869 χ^2/NDF:44.9/49

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2258.965+/-131.021 χ^2/NDF: 79.5/104

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

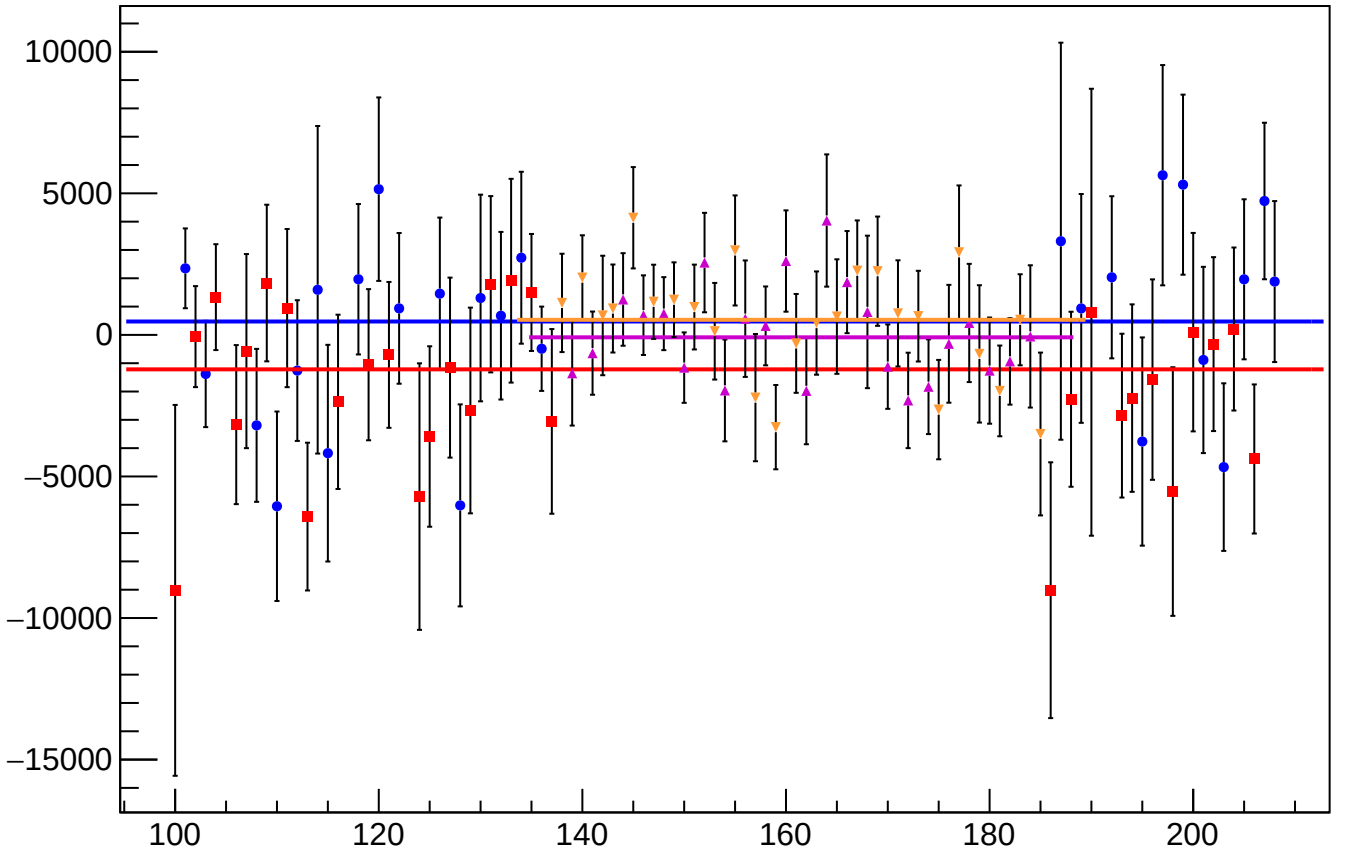
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1096.181+/-0.137 χ^2/NDF: 50574.1/56

In: 1092.631+/-0.132 χ^2/NDF:22434.2/49

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1094.575+/-0.093 χ^2/NDF: 58538.0/104



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1216.966+/-540.011 χ^2/NDF: 22.0/29

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

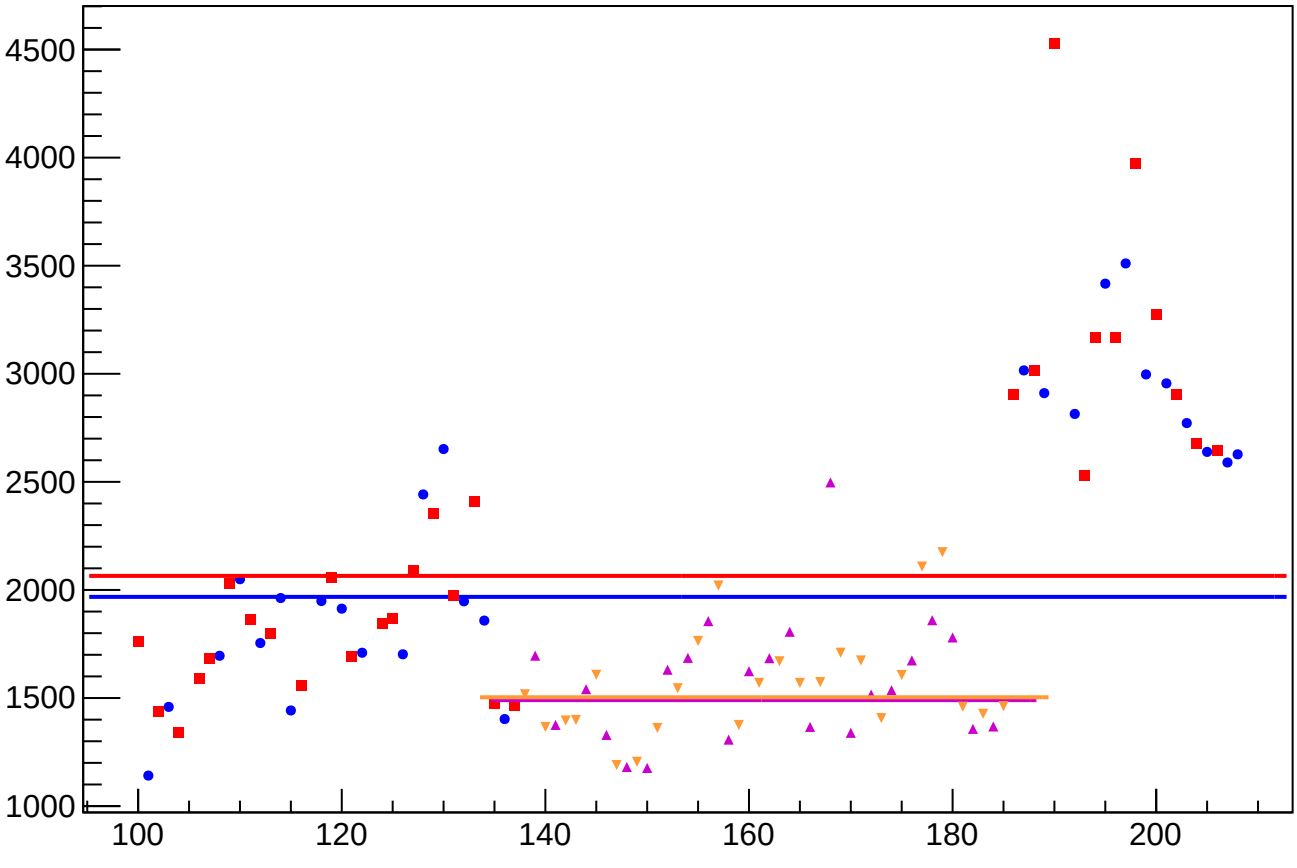
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -345.892+/-375.939 χ^2/NDF: 56.3/56

In: 89.831+/-293.241 χ^2/NDF:48.1/49

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 55.333+/-206.933 χ^2/NDF: 104.0/104



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

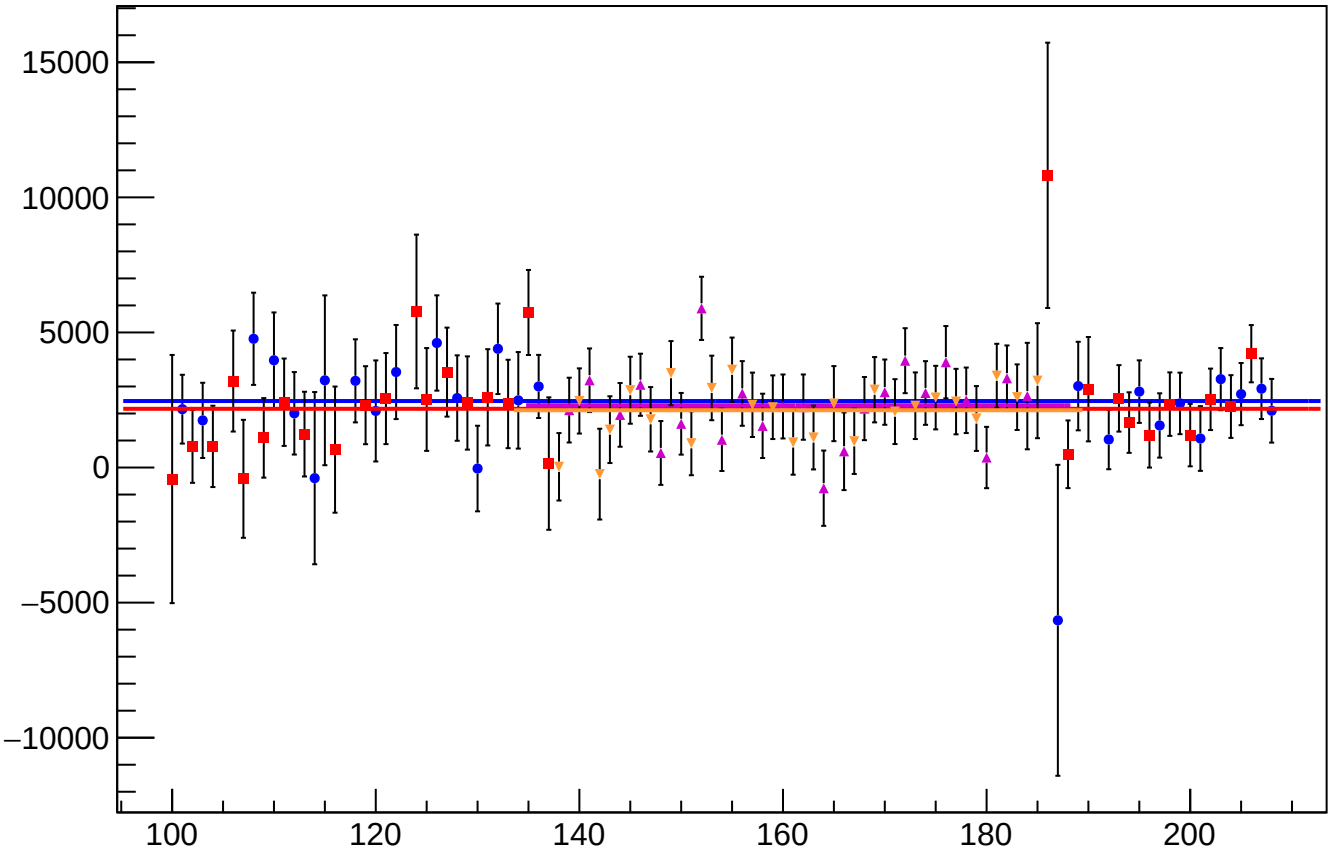
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2015.009+/-0.266 χ^2/NDF: 6102561.0/56

In: 1640.092+/-0.207 χ^2/NDF:5267171.9/49

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1653.952+/-0.146 χ^2/NDF: 10518577.0/1



Right In: 2461.571+/-275.715 χ^2/NDF: 16.6/26

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2174.309+/-275.913 χ^2/NDF: 24.1/29

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

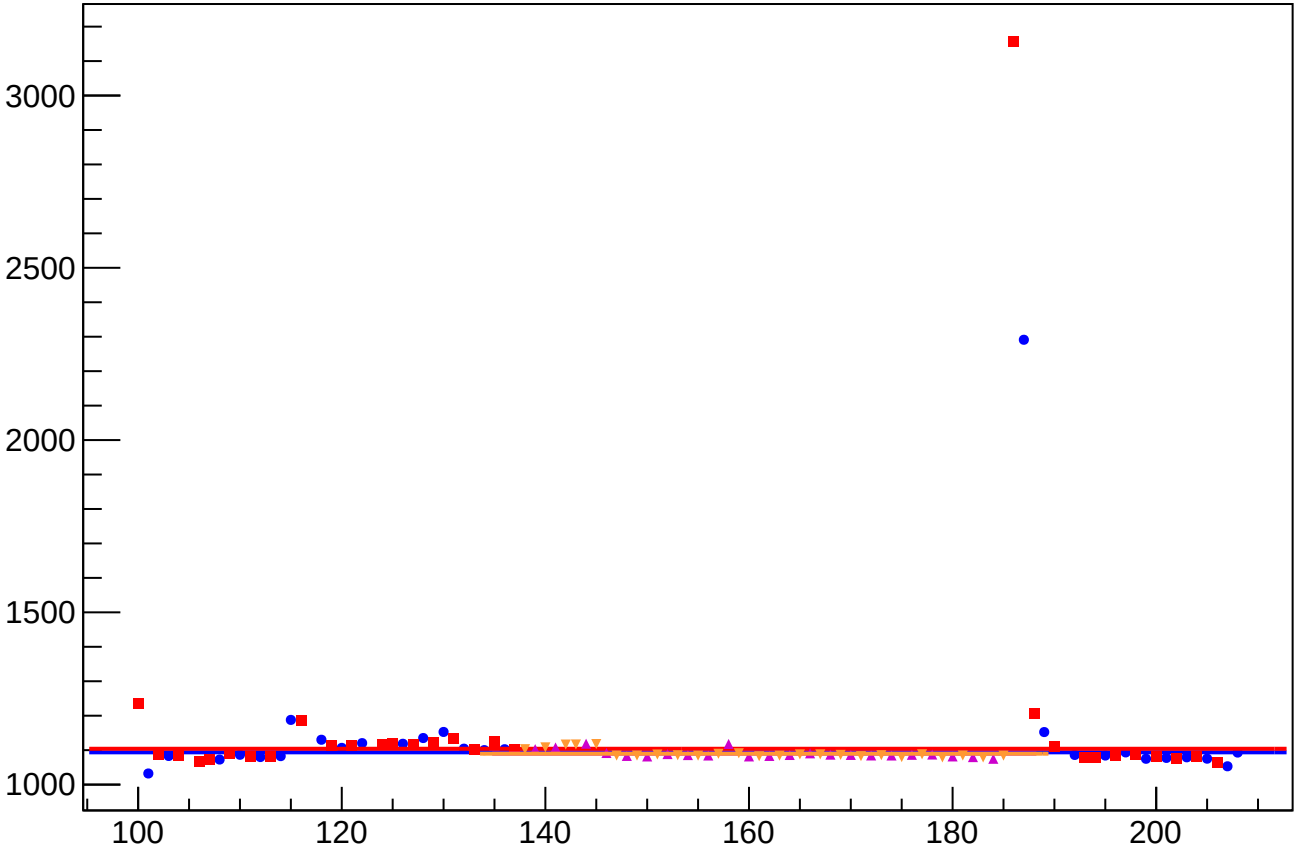
Right: 2318.043+/-195.030 χ^2/NDF: 41.2/56

In: 2377.252+/-187.009 χ^2/NDF:45.2/49

Out: 2144.205+/-184.256 χ^2/NDF:39.2/54

All: 2259.001+/-131.251 χ^2/NDF: 85.2/104

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1093.673+/-0.195 χ^2/NDF: 107299.8/26

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1104.026+/-0.195 χ^2/NDF: 379152.2/29

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

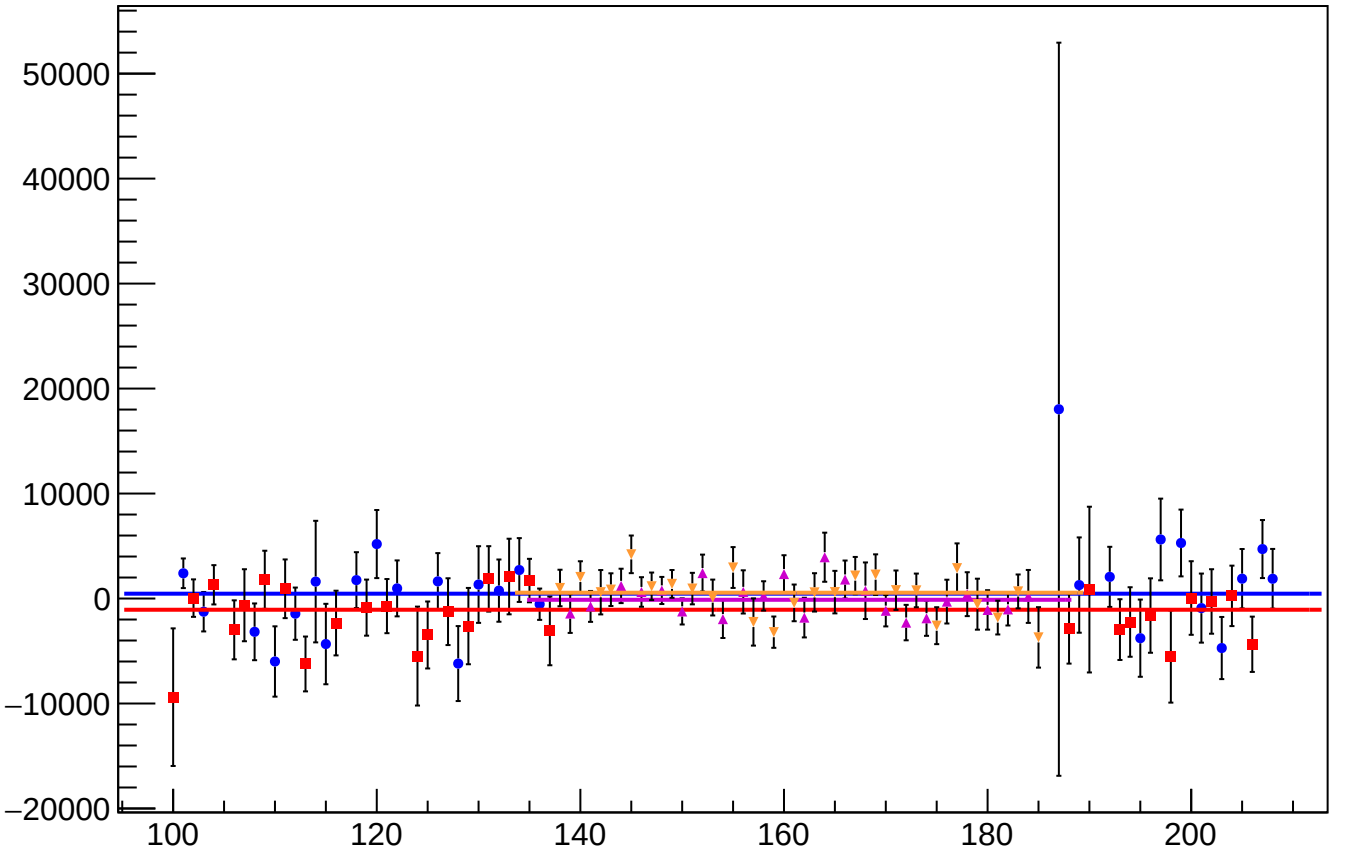
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1098.846+/-0.138 χ^2/NDF: 487861.0/56

In: 1091.670+/-0.132 χ^2/NDF:111391.1/49

Out: 1096.113+/-0.130 χ^2/NDF:386179.0/54

All: 1093.925+/-0.093 χ^2/NDF: 498142.9/104



Right In: 460.652+/-526.514 χ^2/NDF: 29.7/26

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -1068.686+/-545.517 χ^2/NDF: 19.1/28

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

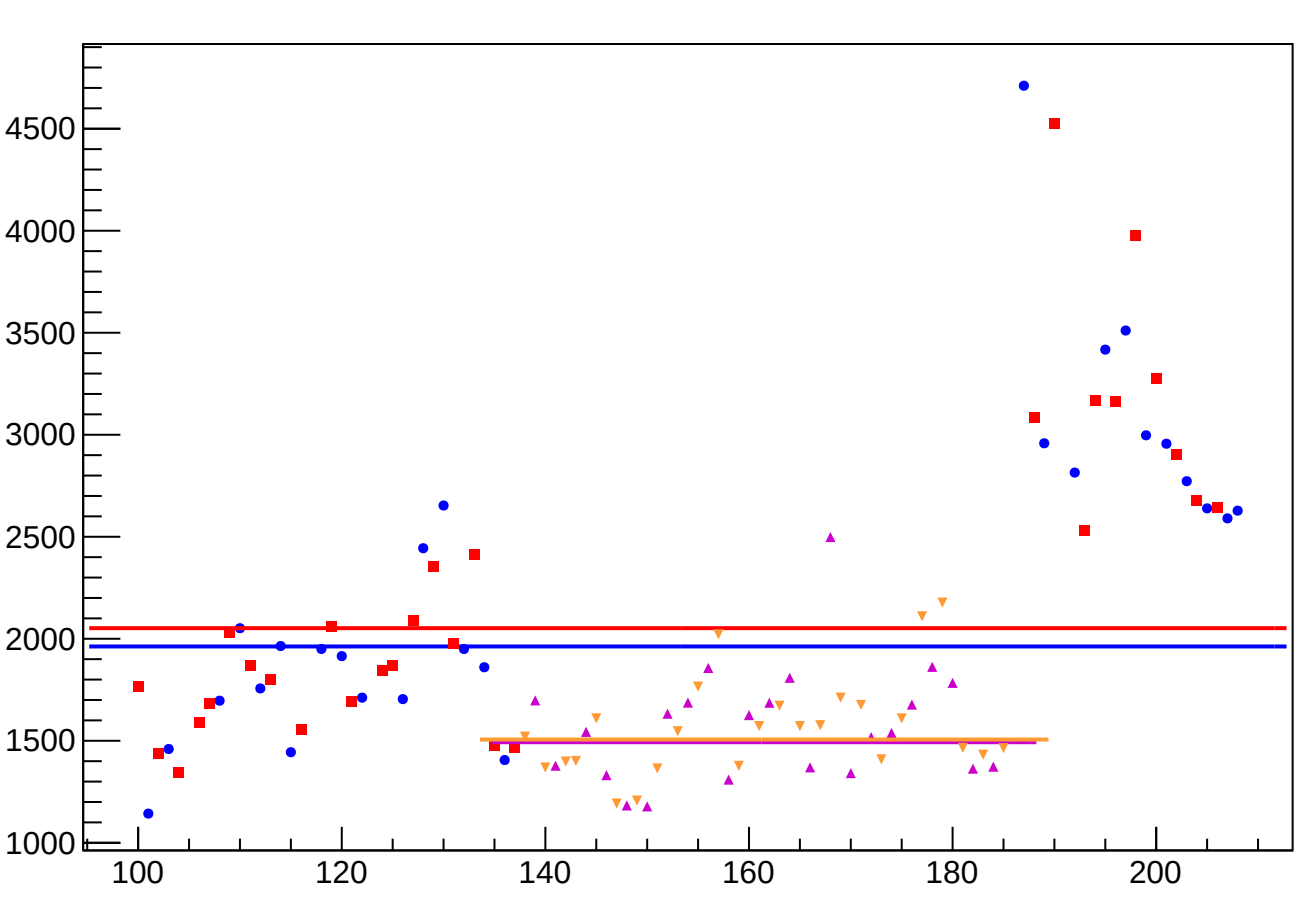
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -276.916+/-378.841 χ^2/NDF: 52.9/55

In: 60.171+/-294.082 χ^2/NDF:47.6/49

Out: 84.837+/-293.274 χ^2/NDF:51.6/53

All: 72.538+/-207.661 χ^2/NDF: 99.2/103



Right In: 1962.296+/-0.372 χ^2/NDF: 3100024.3/26

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2051.976+/-0.386 χ^2/NDF: 2829809.8/28

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

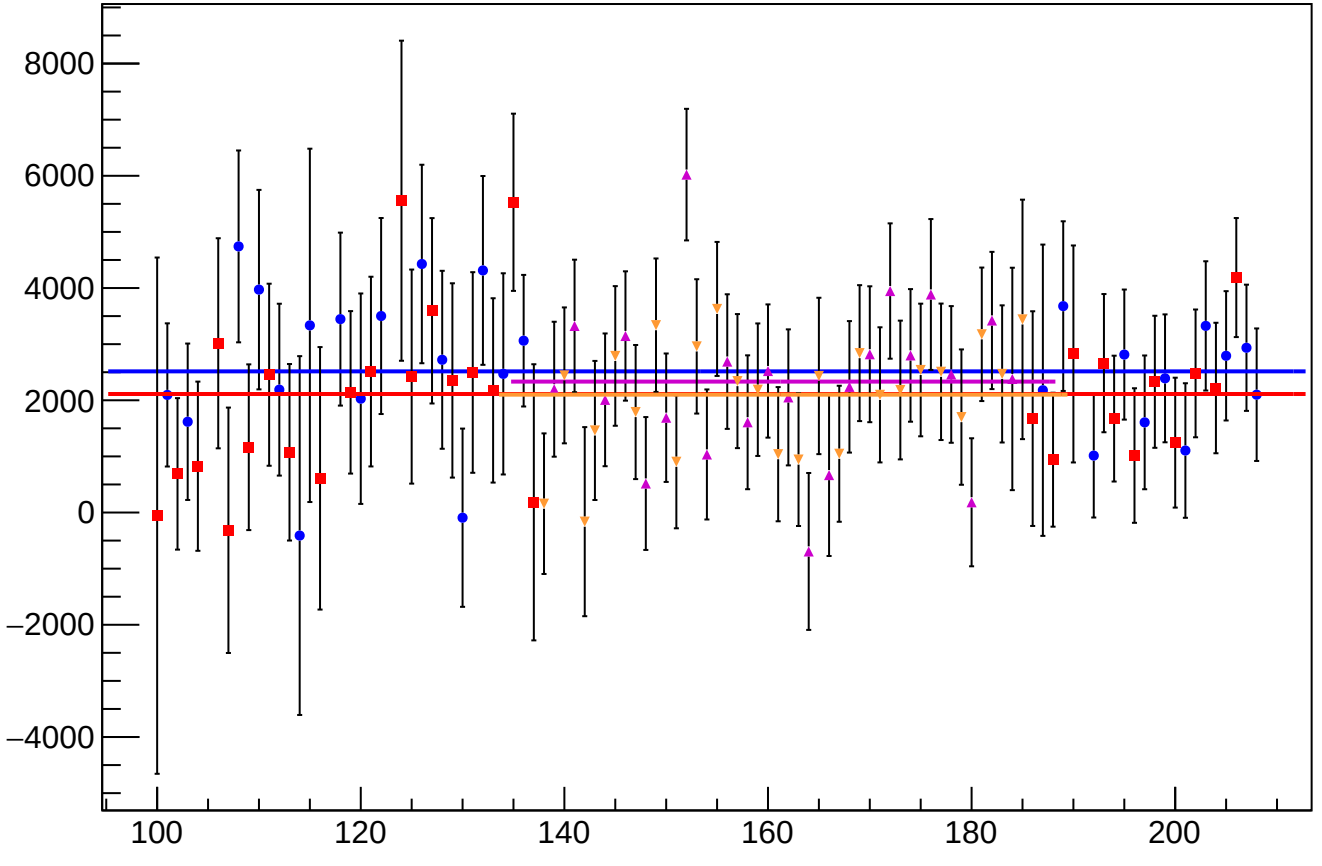
Right: 2005.547+/-0.268 χ^2/NDF: 5957817.5/55

In: 1639.391+/-0.208 χ^2/NDF:5157718.1/49

Out: 1663.872+/-0.207 χ^2/NDF:5050025.4/53

All: 1651.665+/-0.147 χ^2/NDF: 10214692.4/1

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2111.860+/-273.212 χ^2/NDF: 19.4/29

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

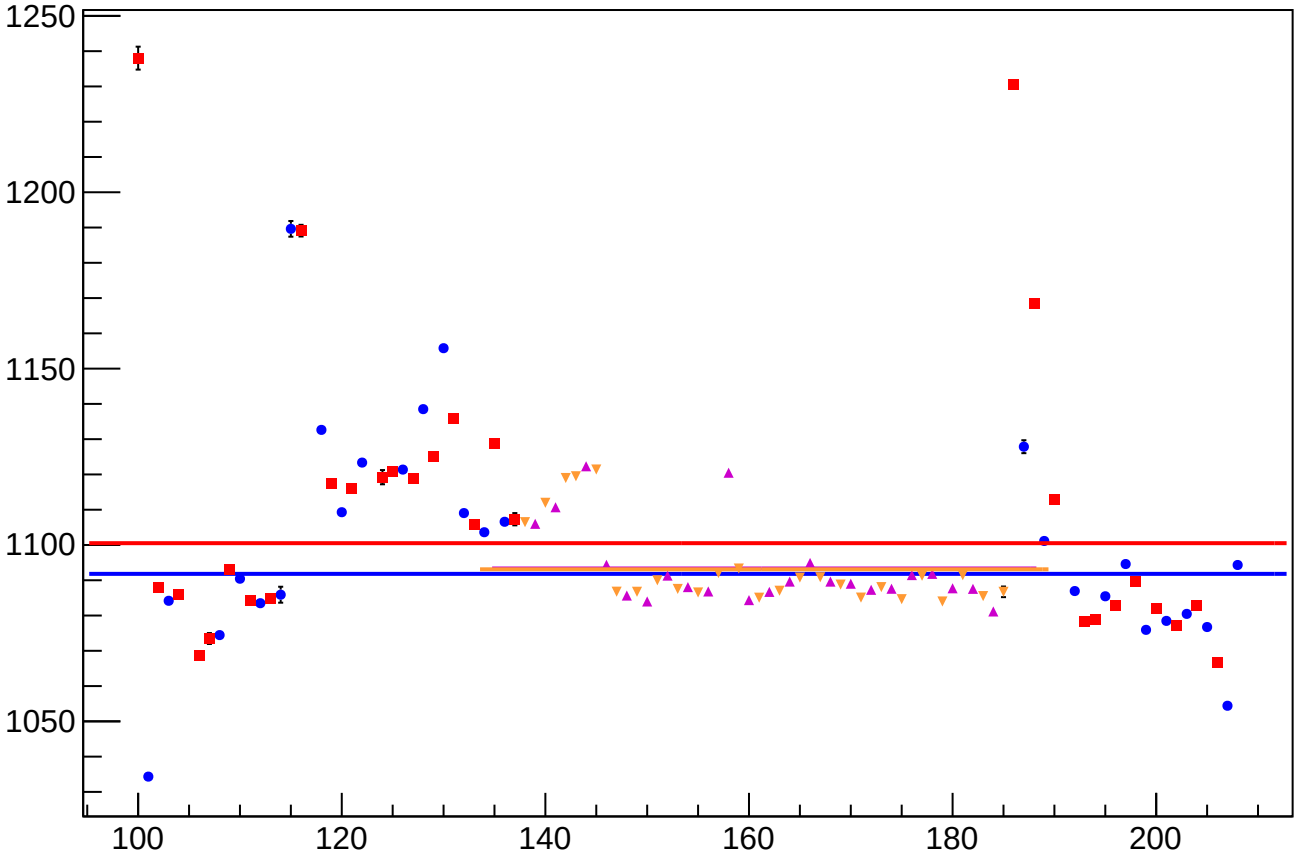
Right: 2312.788+/-193.568 χ^2/NDF: 35.7/56

In: 2417.591+/-186.869 χ^2/NDF:44.9/49

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2258.965+/-131.021 χ^2/NDF: 79.5/104

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

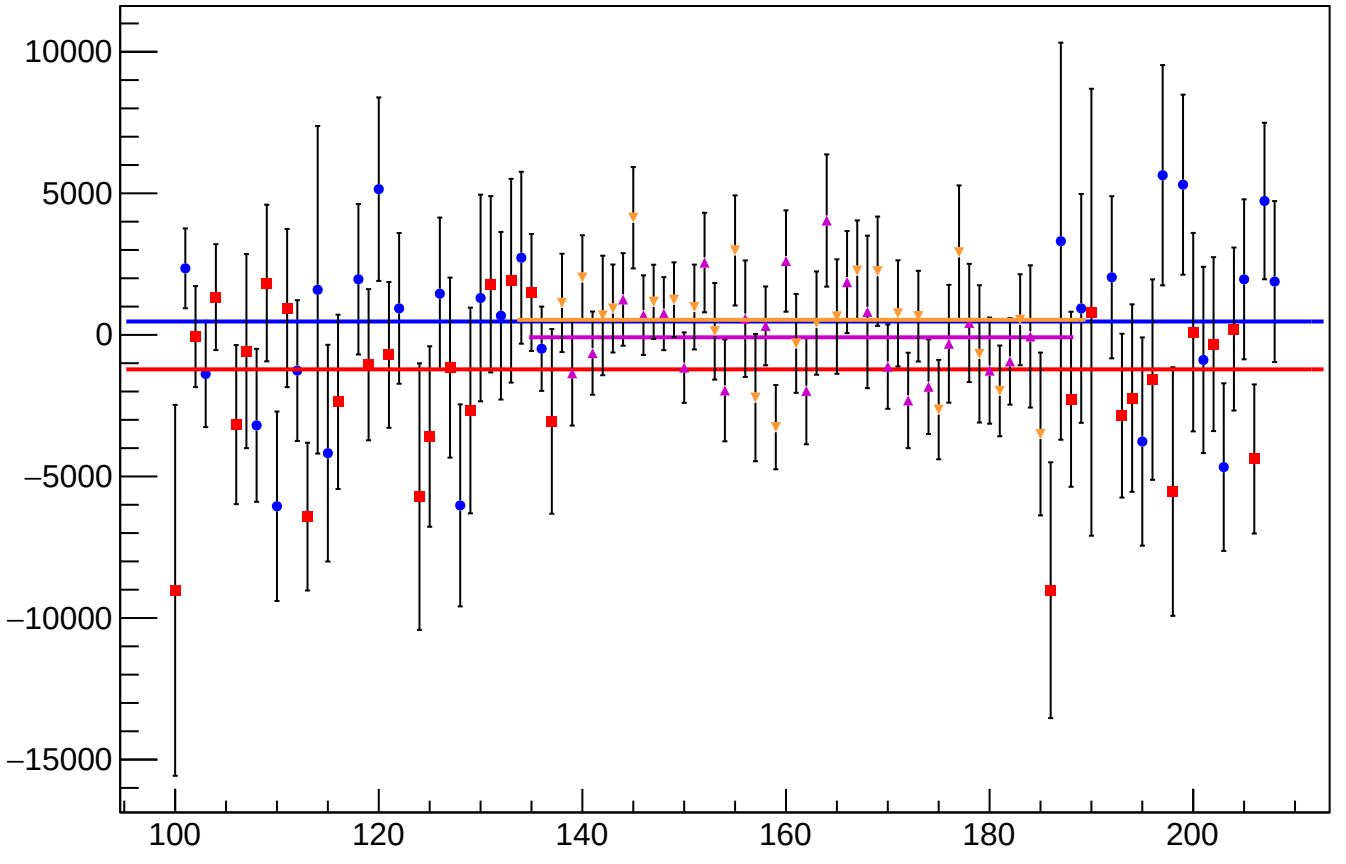
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1096.181+/-0.137 χ^2/NDF: 50574.1/56

In: 1092.631+/-0.132 χ^2/NDF:22434.2/49

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1094.575+/-0.093 χ^2/NDF: 58538.0/104



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1216.966+/-540.011 χ^2/NDF: 22.0/29

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

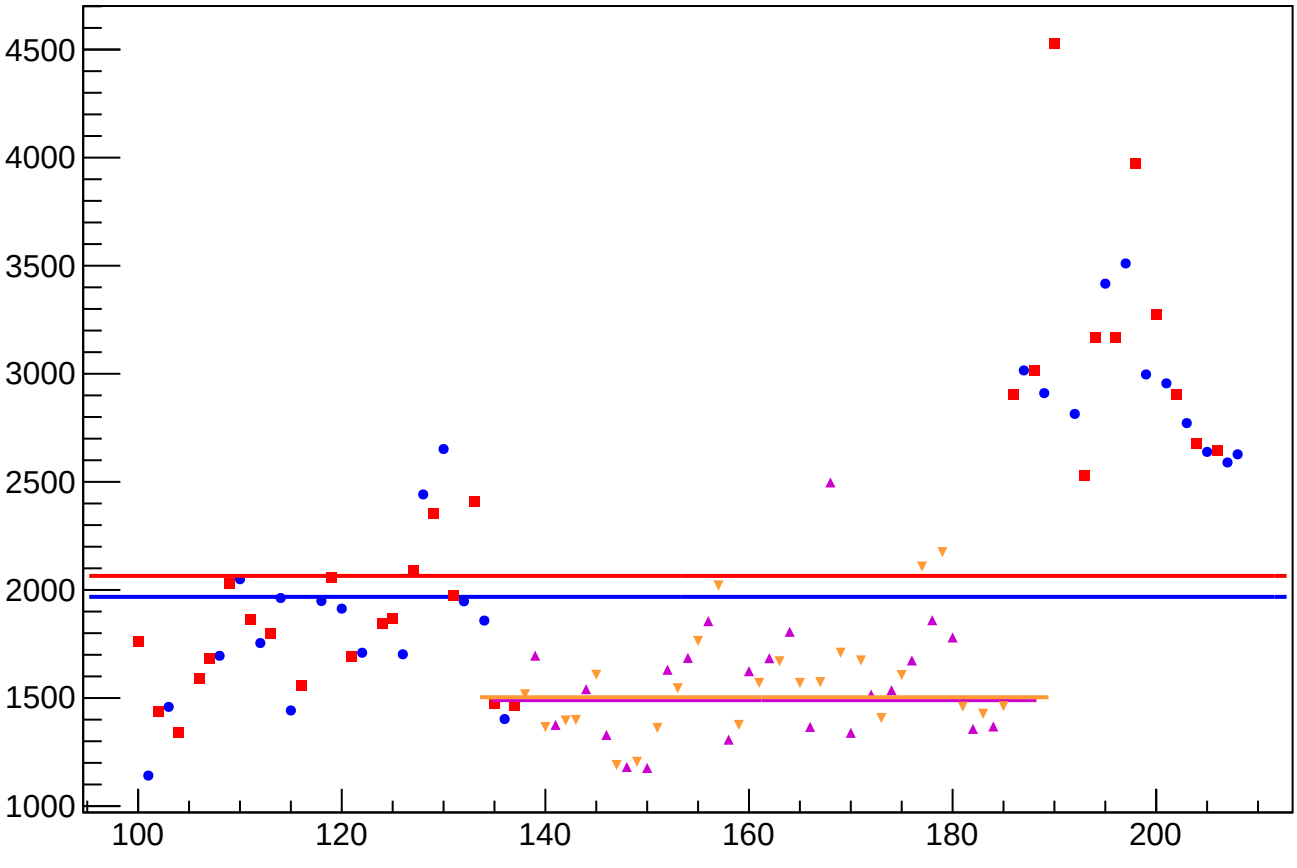
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -345.892+/-375.939 χ^2/NDF: 56.3/56

In: 89.831+/-293.241 χ^2/NDF:48.1/49

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 55.333+/-206.933 χ^2/NDF: 104.0/104



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

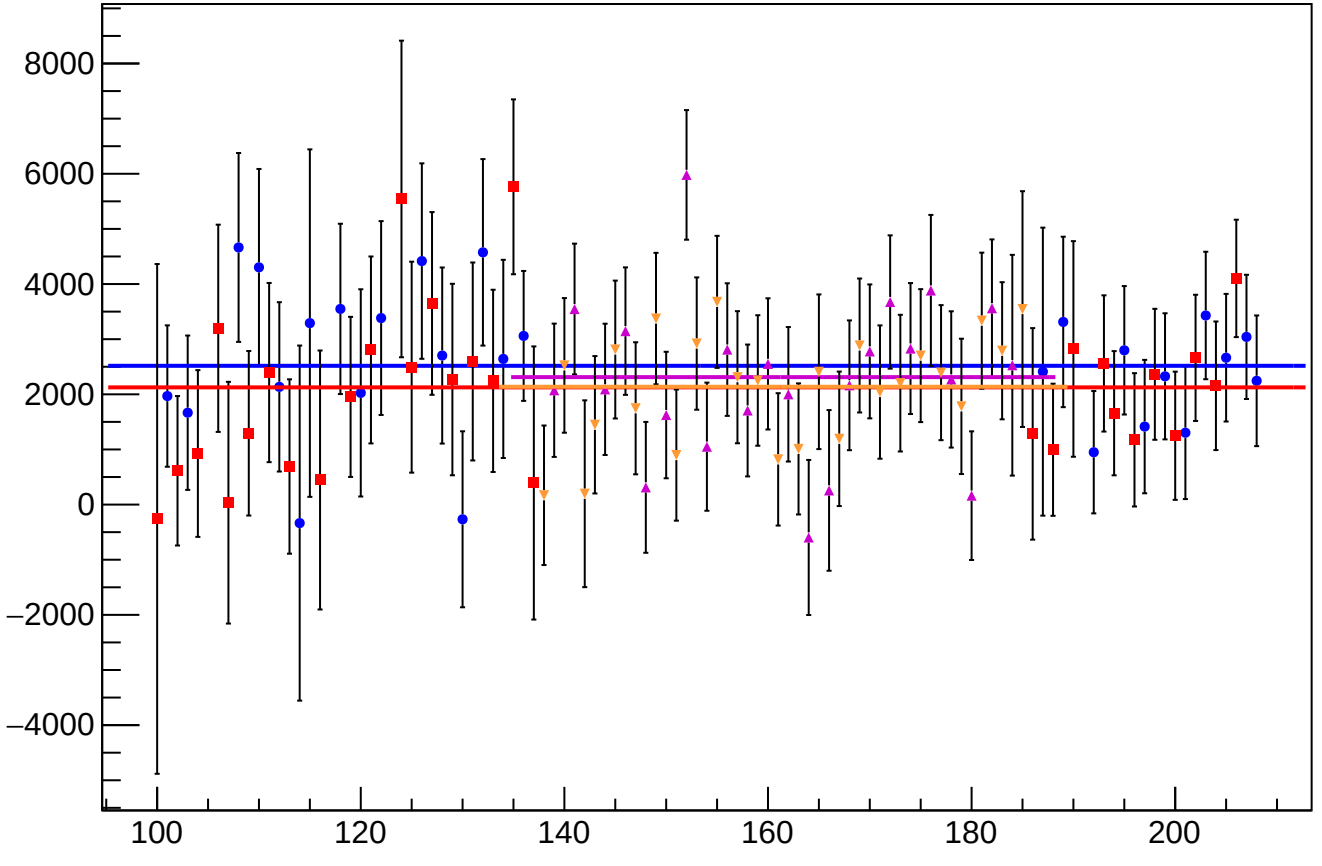
Right: 2015.009+/-0.266 χ^2/NDF: 6102561.0/56

In: 1640.092+/-0.207 χ^2/NDF:5267171.9/49

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1653.952+/-0.146 χ^2/NDF: 10518577.0/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2126.027+/-274.554 χ^2/NDF: 19.8/29

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

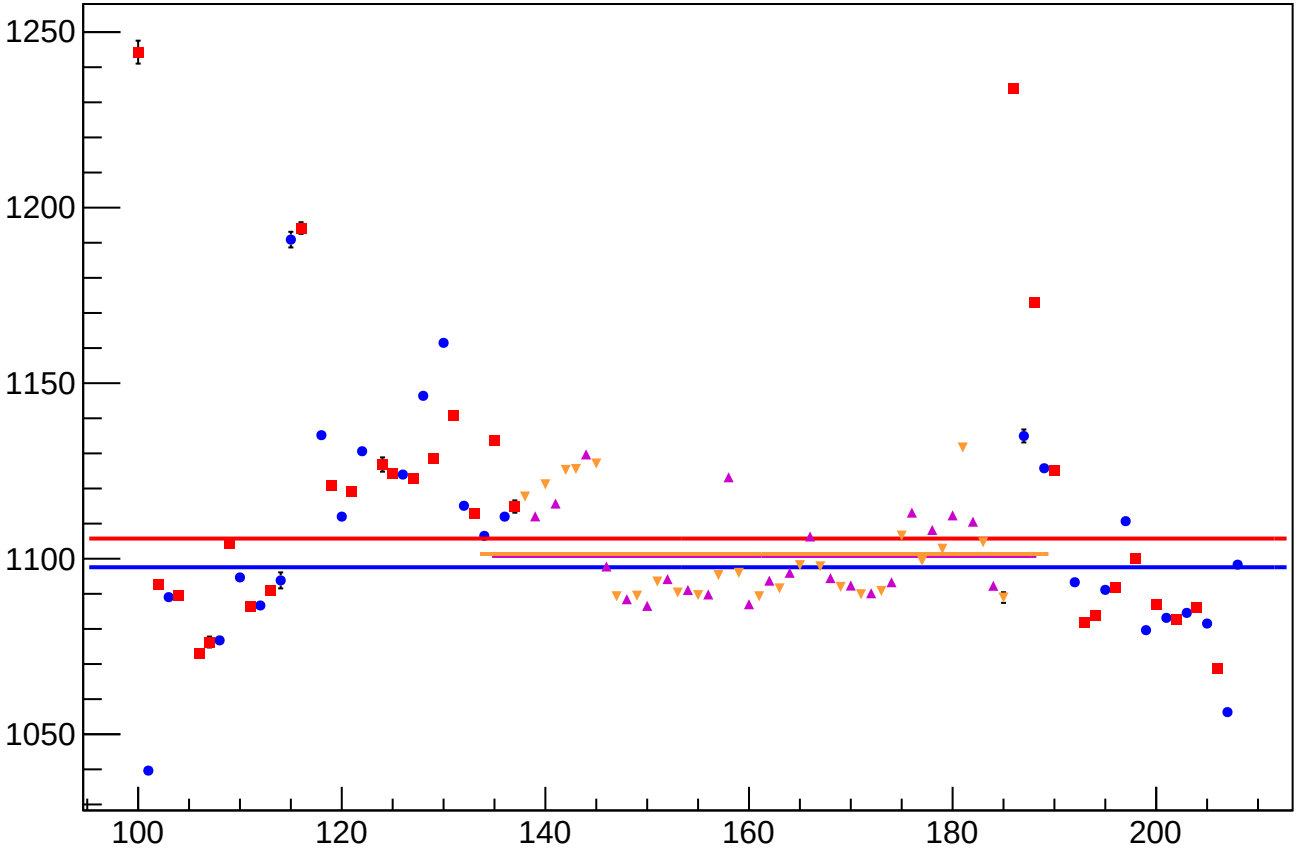
Right: 2320.743+/-194.559 χ^2/NDF: 36.6/56

In: 2407.253+/-188.018 χ^2/NDF:46.0/49

Out: 2132.123+/-184.928 χ^2/NDF:33.7/54

All: 2267.408+/-131.843 χ^2/NDF: 80.8/104

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.569+/-0.195 χ^2/NDF: 19913.1/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.4/29

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

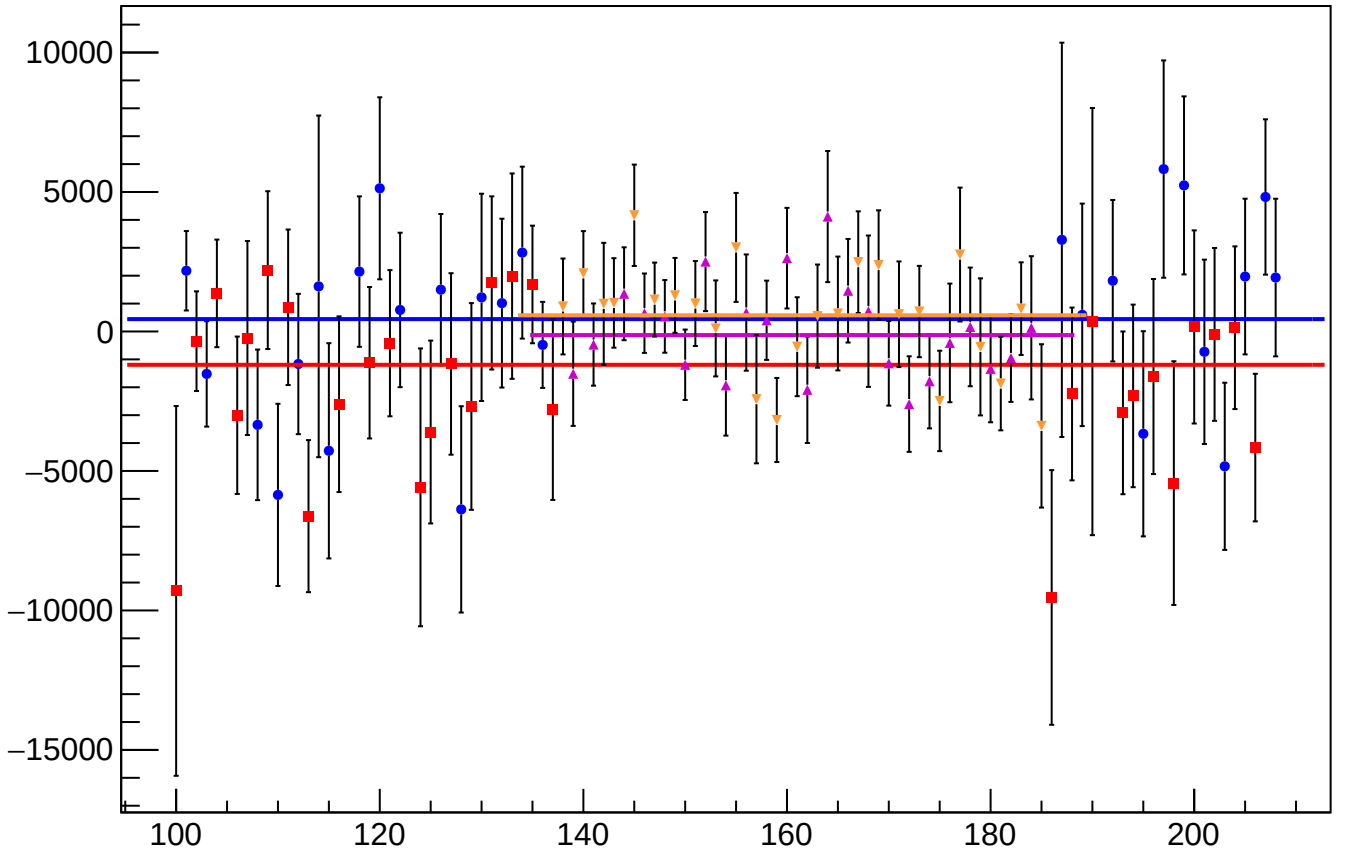
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1101.672+/-0.138 χ^2/NDF: 51504.4/56

In: 1099.294+/-0.133 χ^2/NDF:24701.0/49

Out: 1103.344+/-0.131 χ^2/NDF:36939.0/54

All: 1101.352+/-0.093 χ^2/NDF: 62111.7/104



Right In: 443.652+/-529.913 χ^2/NDF: 29.3/26

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1194.398+/-546.718 χ^2/NDF: 22.1/29

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

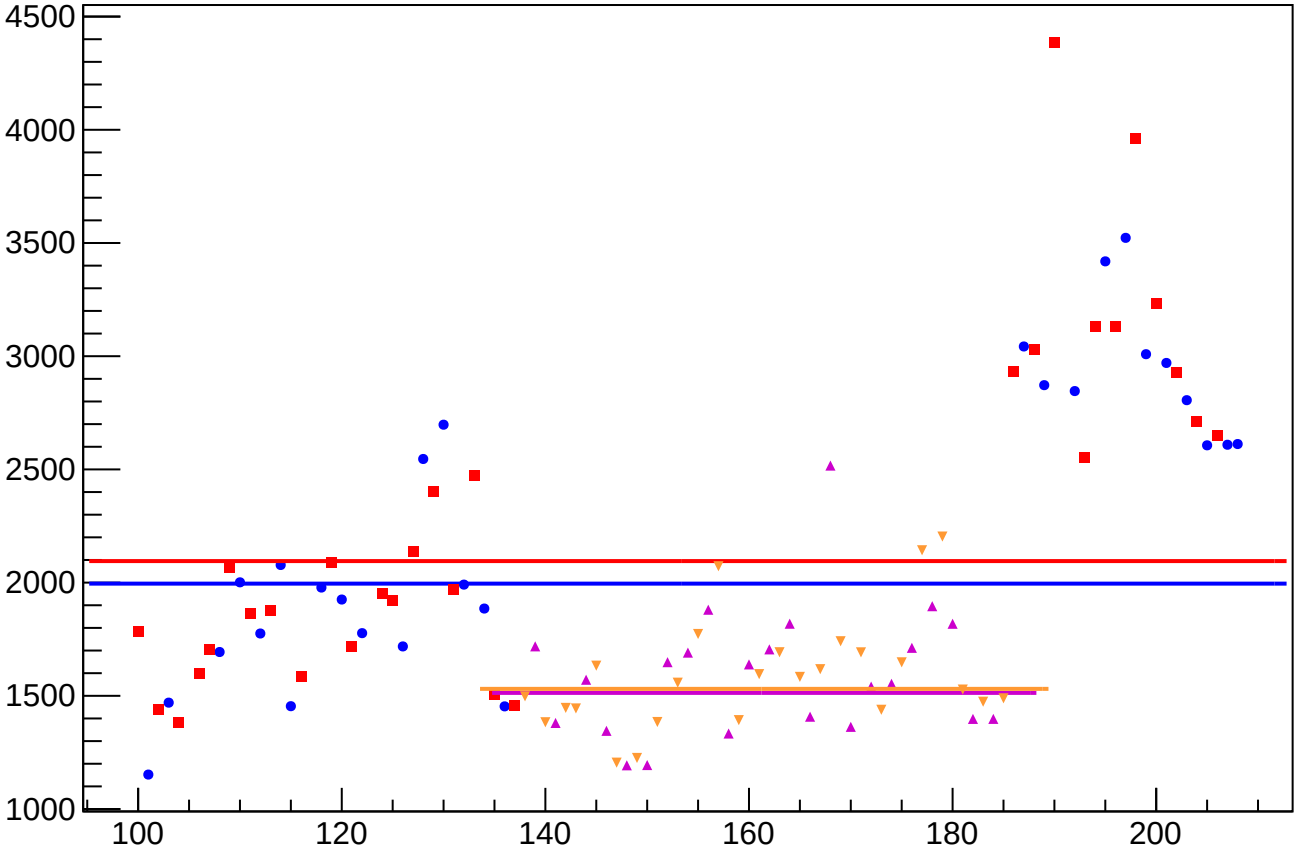
Right: -349.810+/-380.507 χ^2/NDF: 56.1/56

In: 51.393+/-297.289 χ^2/NDF:48.0/49

Out: 58.115+/-296.786 χ^2/NDF:54.9/54

All: 54.760+/-210.037 χ^2/NDF: 102.9/104

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1995.536+/-0.375 χ^2/NDF: 3067234.5/26

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2095.111+/-0.387 χ^2/NDF: 2792090.9/29

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

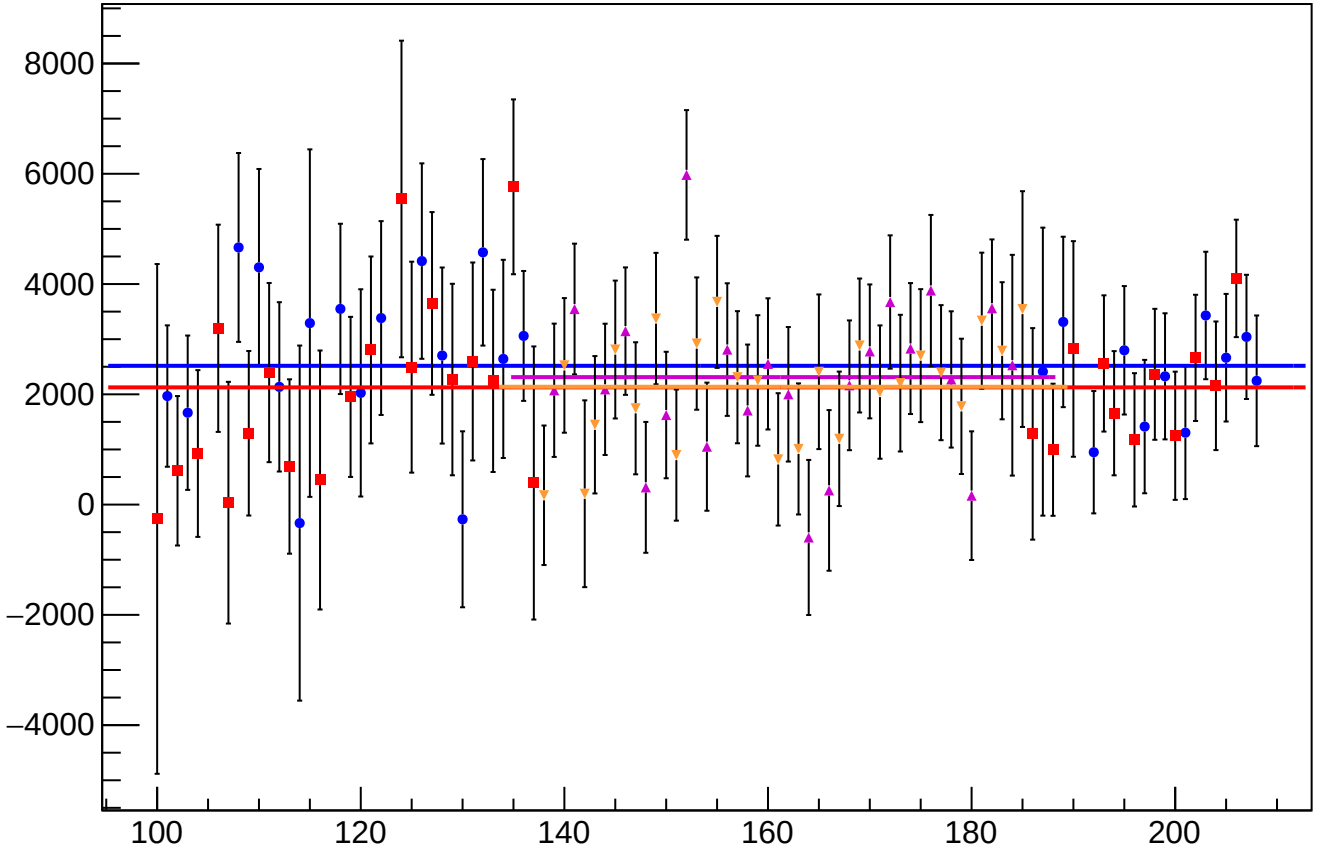
Right: 2043.769+/-0.269 χ^2/NDF: 5893533.3/56

In: 1664.836+/-0.210 χ^2/NDF:5160960.2/49

Out: 1697.070+/-0.210 χ^2/NDF:5090788.6/54

All: 1680.980+/-0.149 χ^2/NDF: 10263525.2/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2126.025+/-274.554 χ^2/NDF: 19.8/29

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

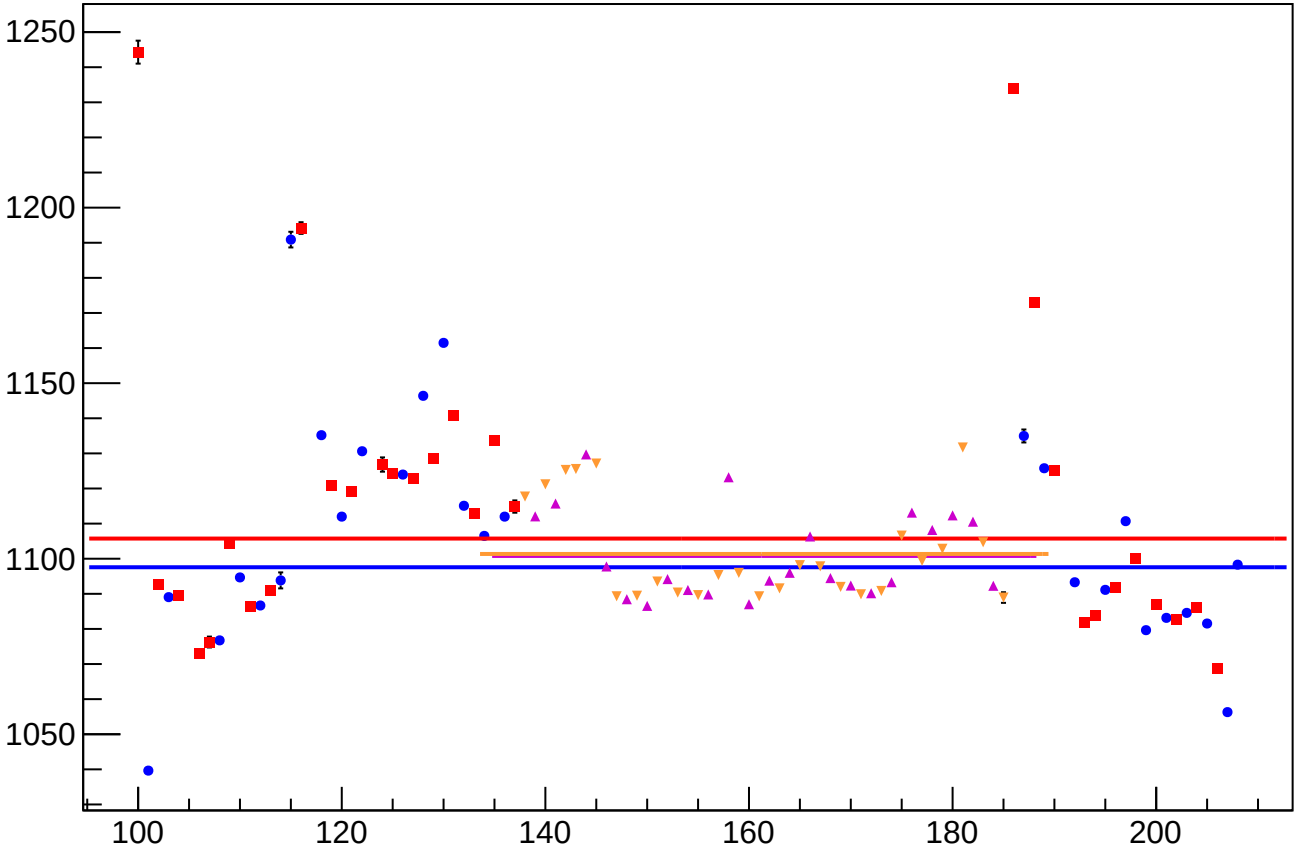
Right: 2320.742+/-194.559 χ^2/NDF: 36.6/56

In: 2407.253+/-188.018 χ^2/NDF:46.0/49

Out: 2132.120+/-184.928 χ^2/NDF:33.7/54

All: 2267.407+/-131.843 χ^2/NDF: 80.8/104

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.569+/-0.195 χ^2/NDF: 19912.9/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.3/29

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

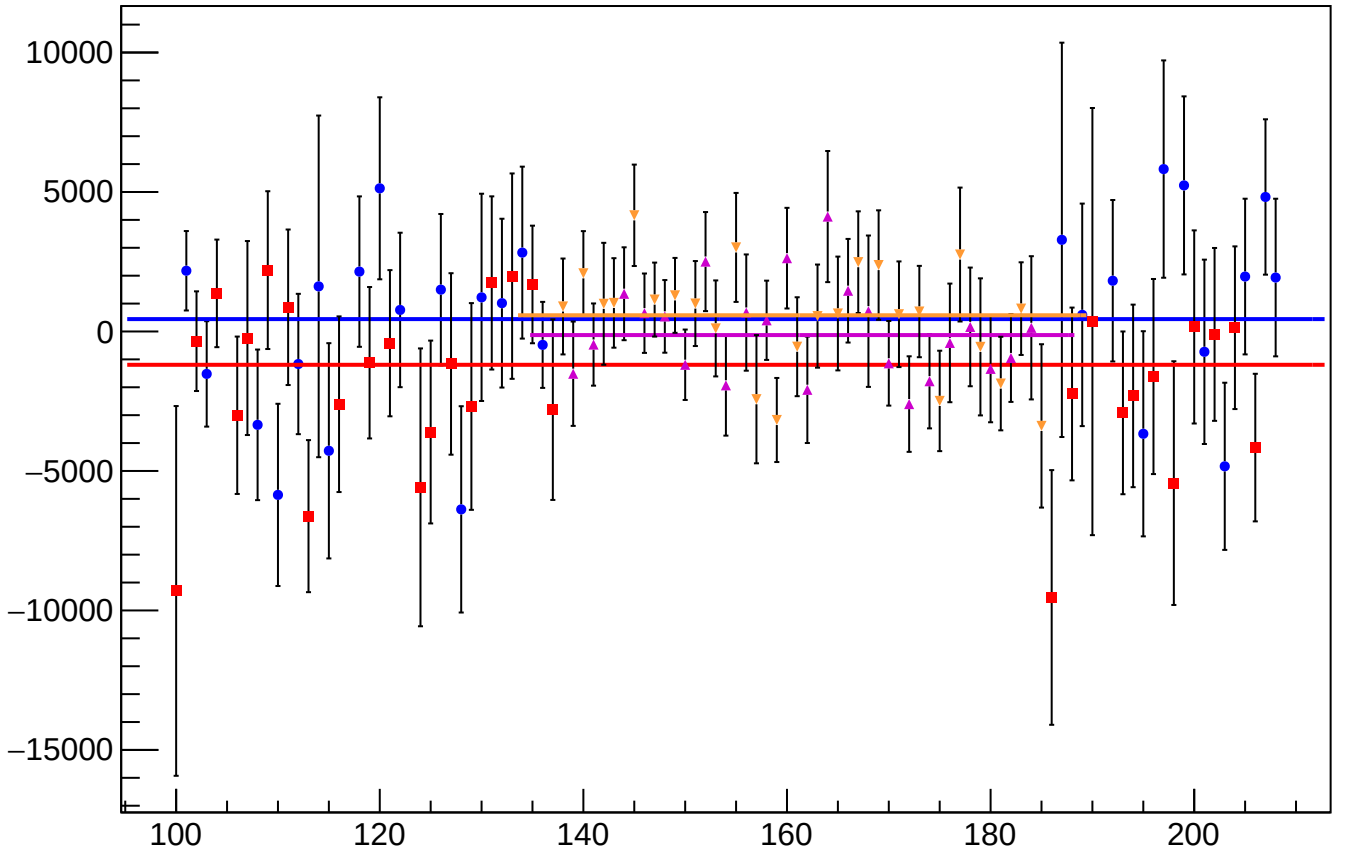
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1101.672+/-0.138 χ^2/NDF: 51504.2/56

In: 1099.294+/-0.133 χ^2/NDF:24700.9/49

Out: 1103.344+/-0.131 χ^2/NDF:36938.9/54

All: 1101.352+/-0.093 χ^2/NDF: 62111.4/104



Right In: 443.647+/-529.912 χ^2/NDF: 29.3/26

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1194.399+/-546.718 χ^2/NDF: 22.1/29

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

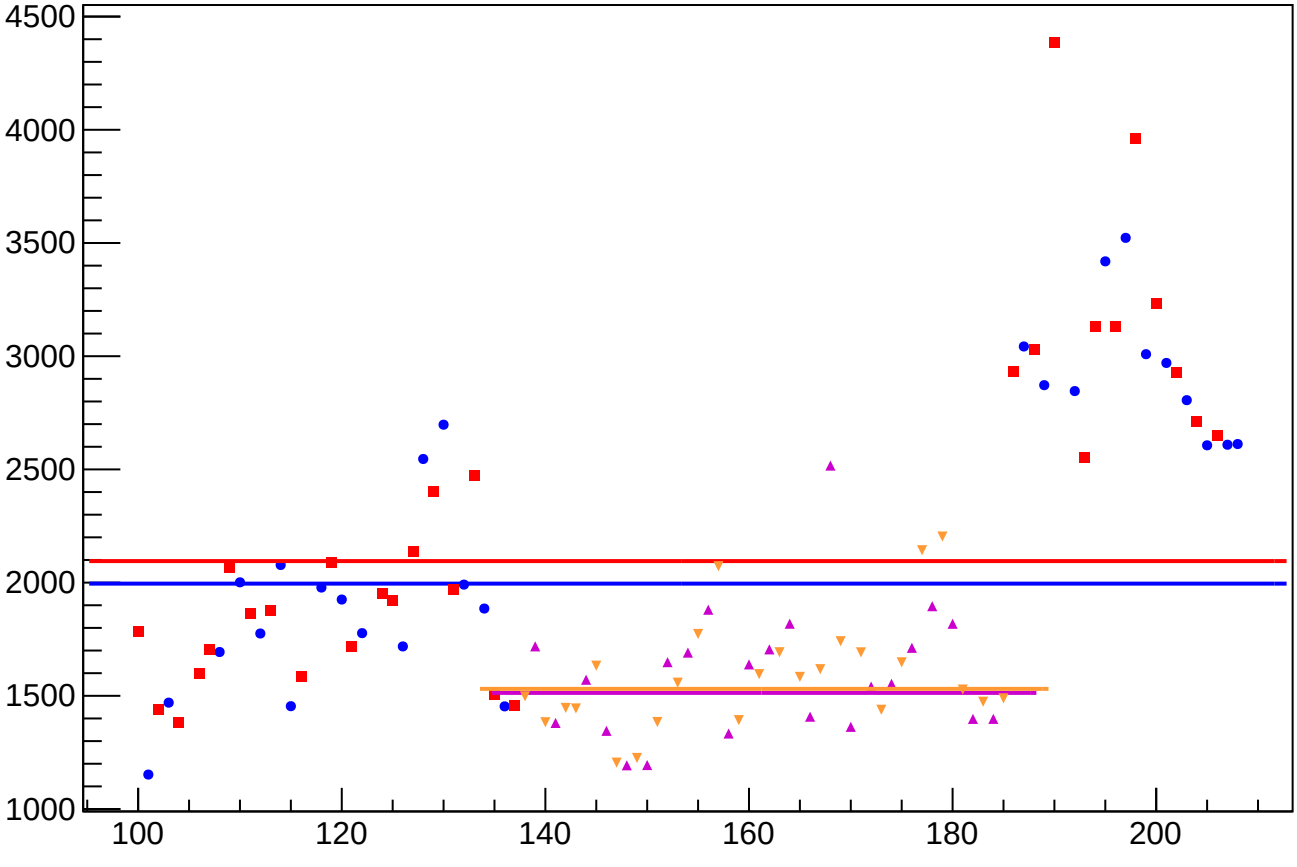
Right: -349.813+/-380.507 χ^2/NDF: 56.1/56

In: 51.392+/-297.289 χ^2/NDF:48.0/49

Out: 58.111+/-296.787 χ^2/NDF:54.9/54

All: 54.757+/-210.037 χ^2/NDF: 102.9/104

asym_usr_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1995.534+/-0.375 χ^2/NDF: 3067241.8/26

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2095.110+/-0.387 χ^2/NDF: 2792089.1/29

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

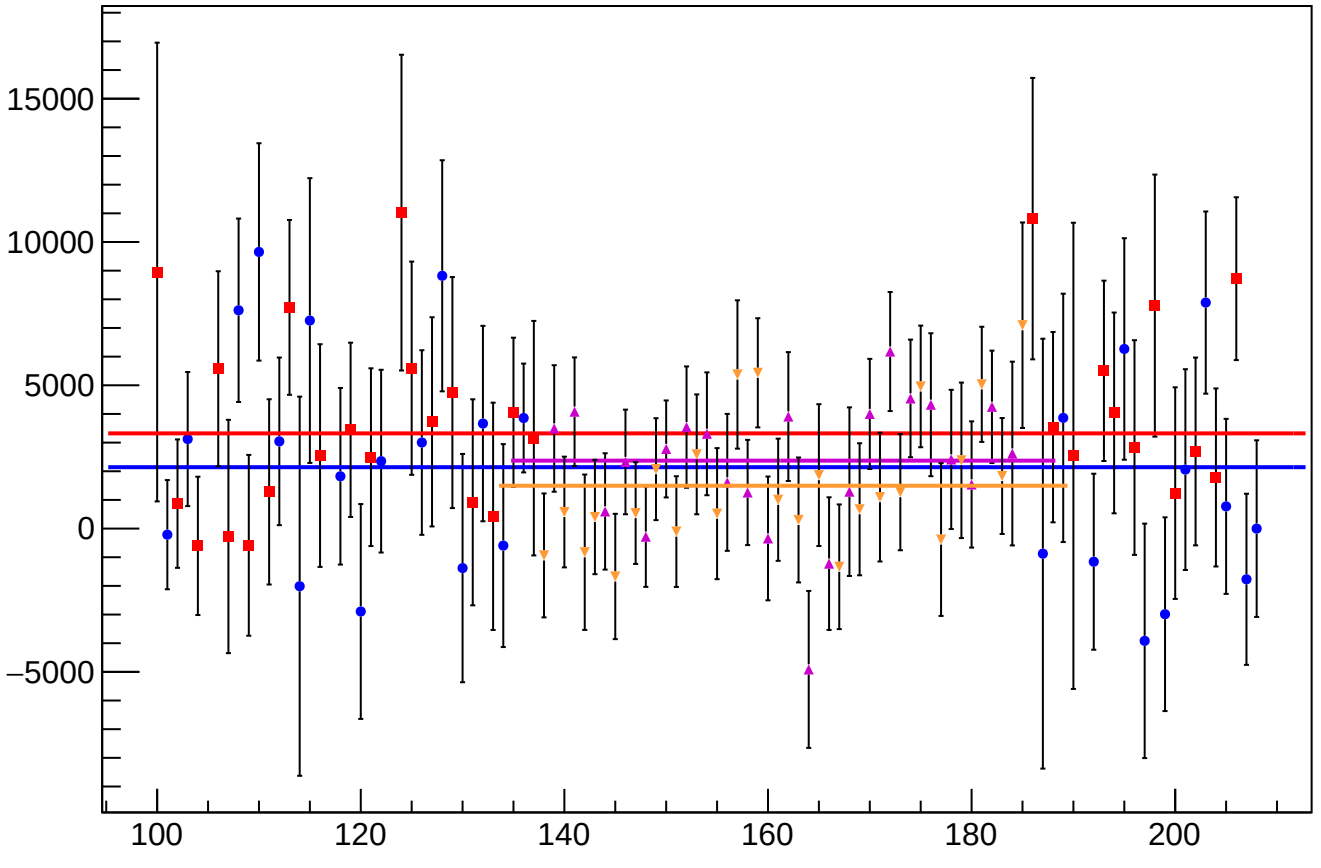
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2043.768+/-0.269 χ^2/NDF: 5893539.0/56

In: 1664.838+/-0.210 χ^2/NDF:5160946.9/49

Out: 1697.073+/-0.210 χ^2/NDF:5090761.9/54

All: 1680.983+/-0.149 χ^2/NDF: 10263485.5/1



Right In: 2141.750+/-615.325 χ^2/NDF: 29.9/26

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3321.867+/-626.433 χ^2/NDF: 21.3/29

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

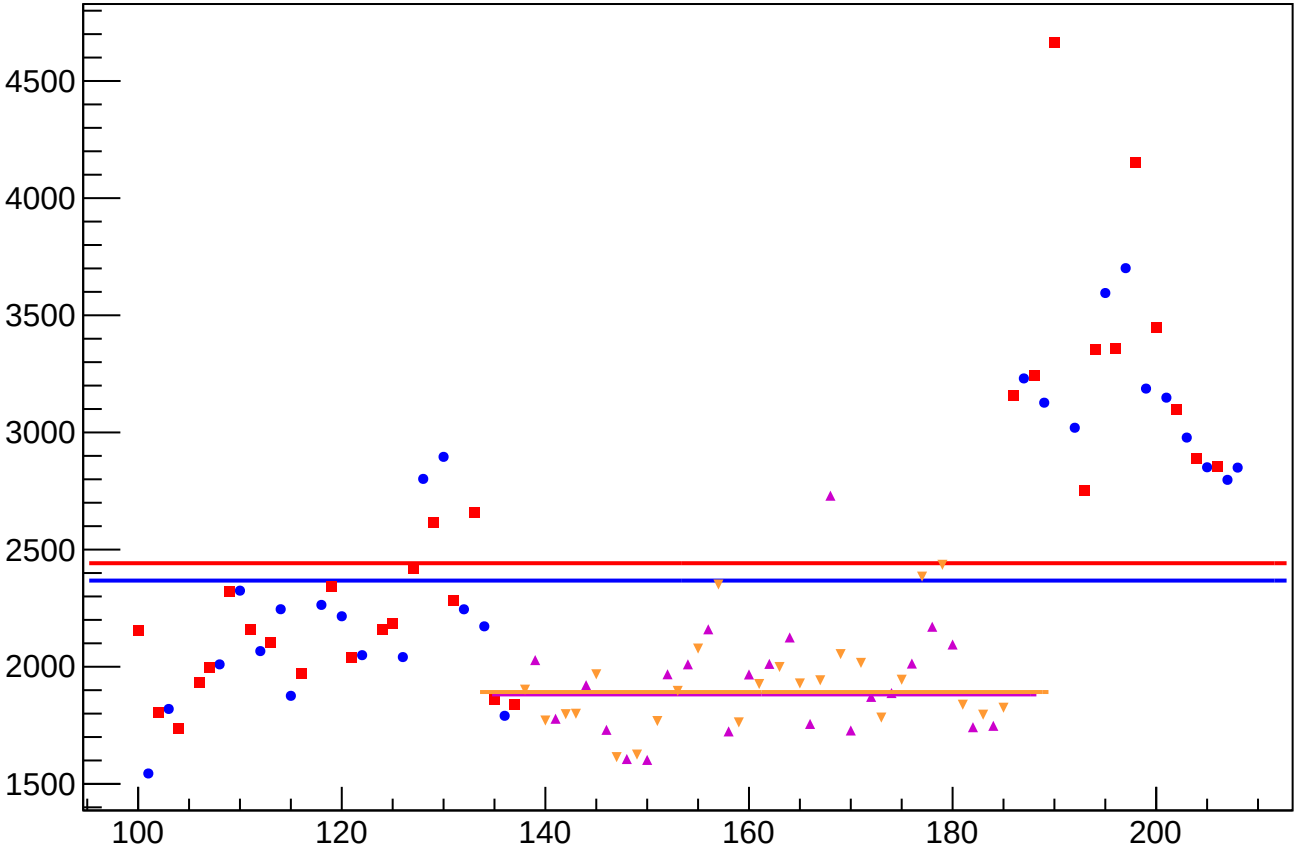
Right: 2721.253+/-438.975 χ^2/NDF: 53.0/56

In: 2292.548+/-359.494 χ^2/NDF:53.7/49

Out: 2086.018+/-356.300 χ^2/NDF:50.8/54

All: 2188.362+/-253.064 χ^2/NDF: 104.6/104

asym_usr_rms vs Slug, Sign Corrected



Right In: 2367.756+/-0.435 χ^2/NDF: 1871285.6/26

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2441.893+/-0.443 χ^2/NDF: 1859908.7/29

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

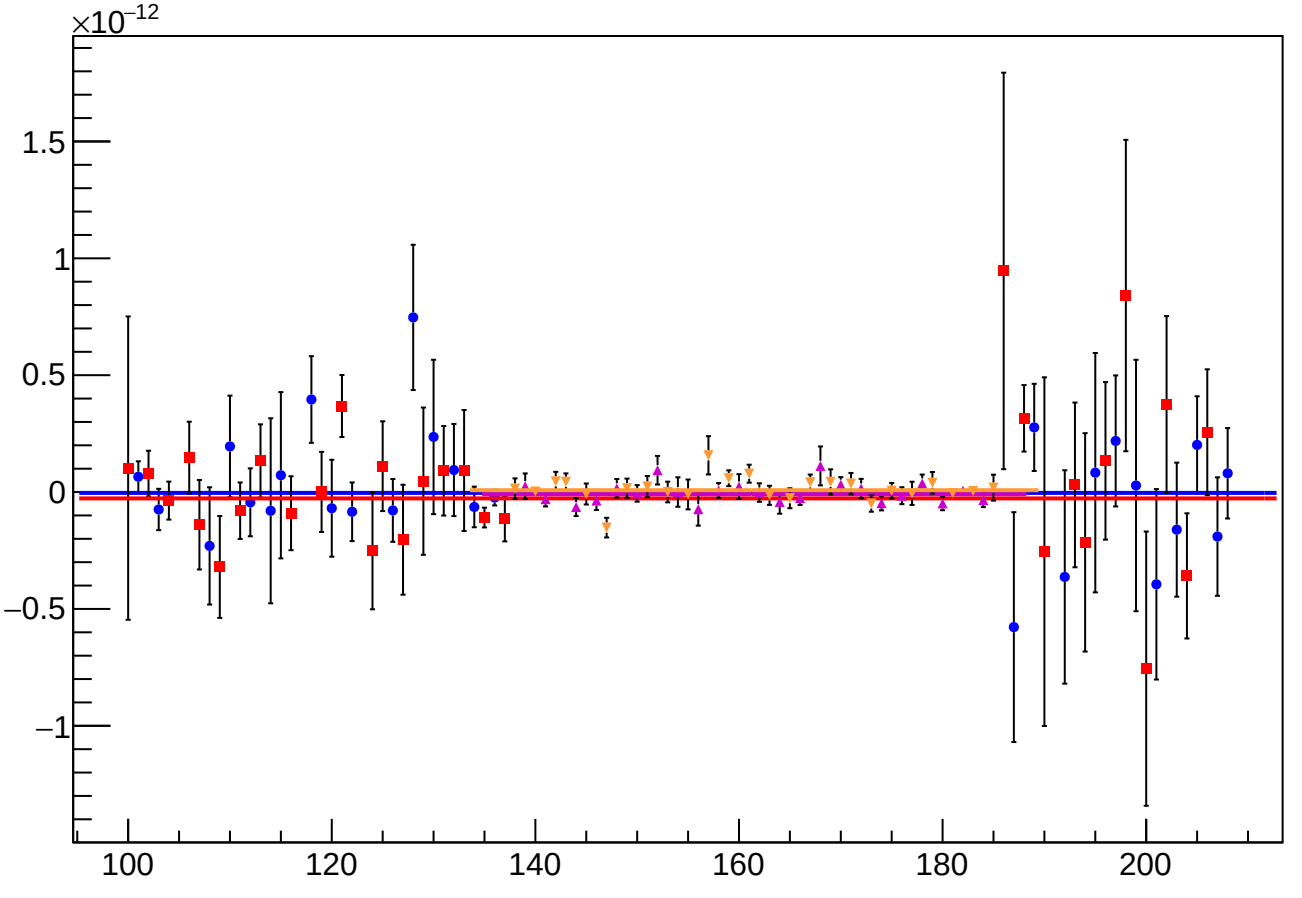
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2404.161+/-0.310 χ^2/NDF: 3745451.4/56

In: 2047.731+/-0.254 χ^2/NDF:3155276.8/49

Out: 2069.973+/-0.252 χ^2/NDF:3291673.9/54

All: 2058.951+/-0.179 χ^2/NDF: 6450812.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

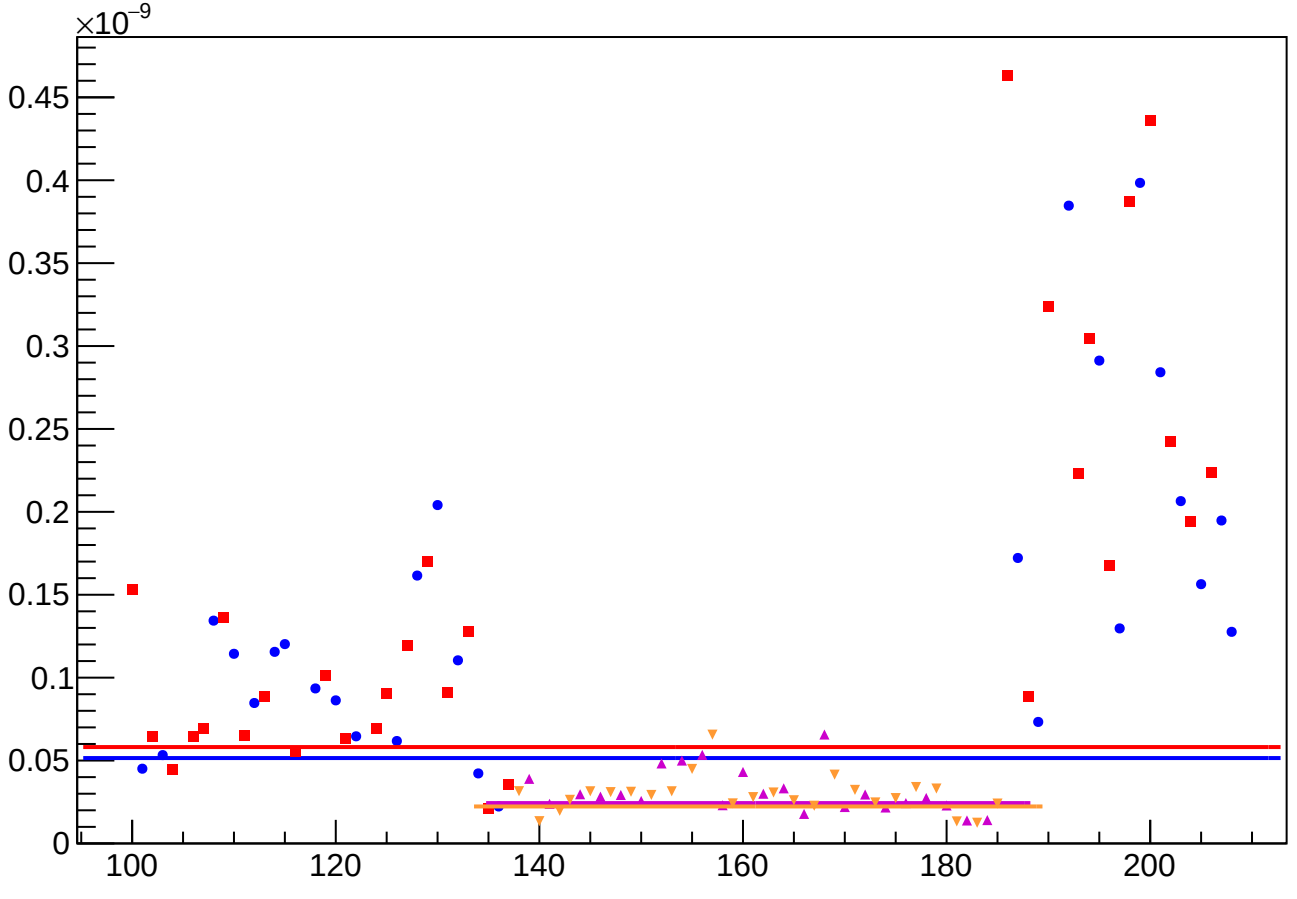
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.5/56

In: -0.000+/-0.000 χ^2/NDF:43.4/49

Out: 0.000+/-0.000 χ^2/NDF:70.8/54

All: -0.000+/-0.000 χ^2/NDF: 116.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 8560687.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7940836.5/29

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

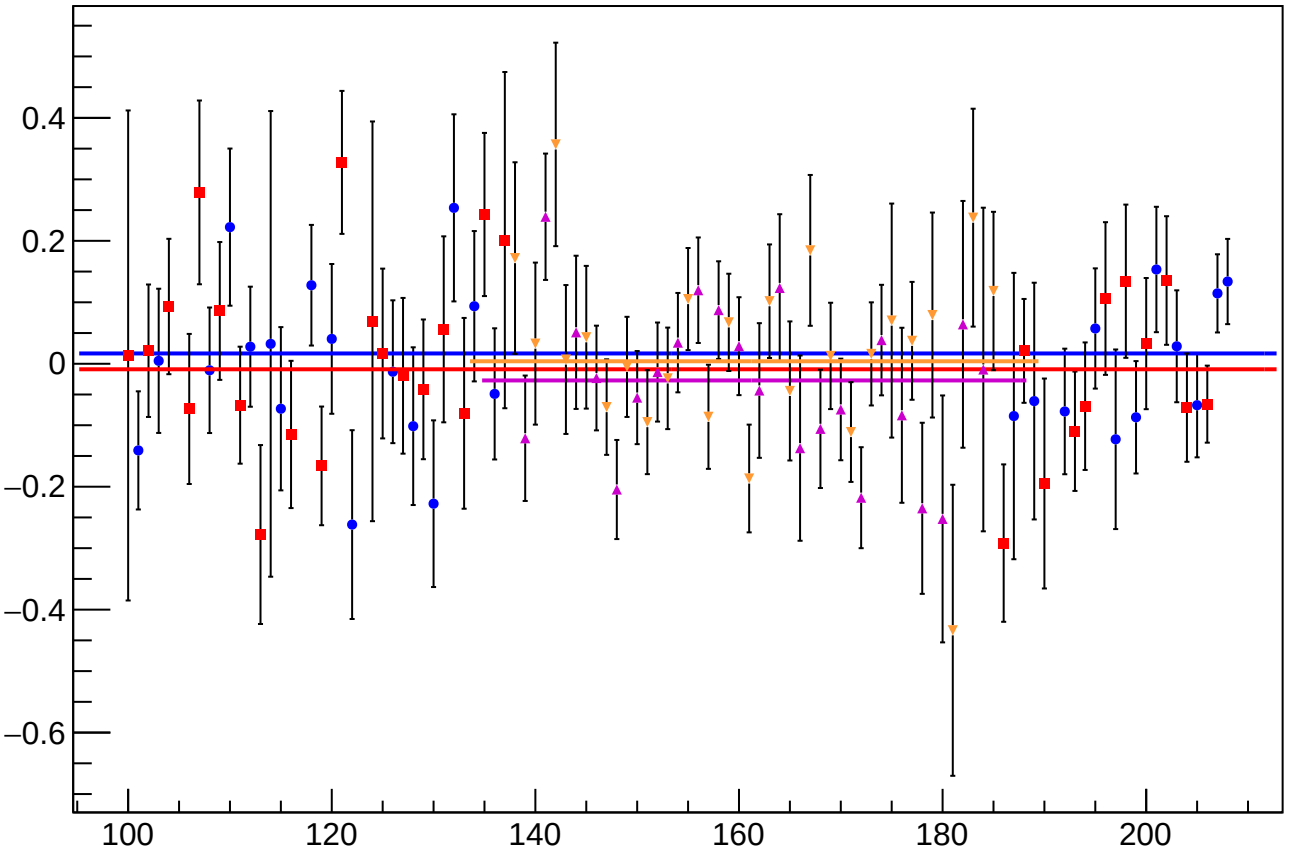
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16573715.3/56

In: 0.000+/-0.000 χ^2/NDF:14140502.8/49

Out: 0.000+/-0.000 χ^2/NDF:15130048.0/54

All: 0.000+/-0.000 χ^2/NDF: 29375078.3/104



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

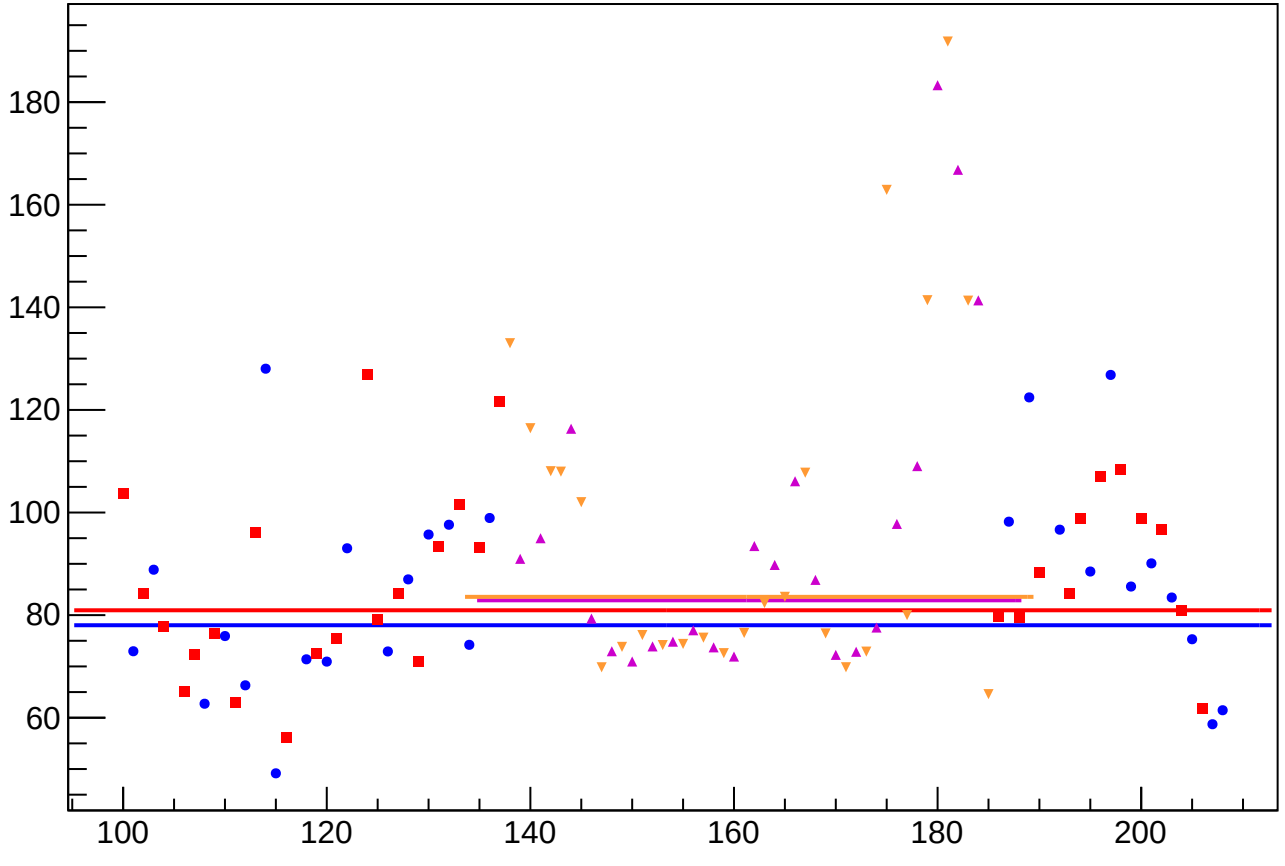
Right: 0.004+/-0.015 χ^2/NDF: 69.3/56

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.004+/-0.010 χ^2/NDF: 131.2/104

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

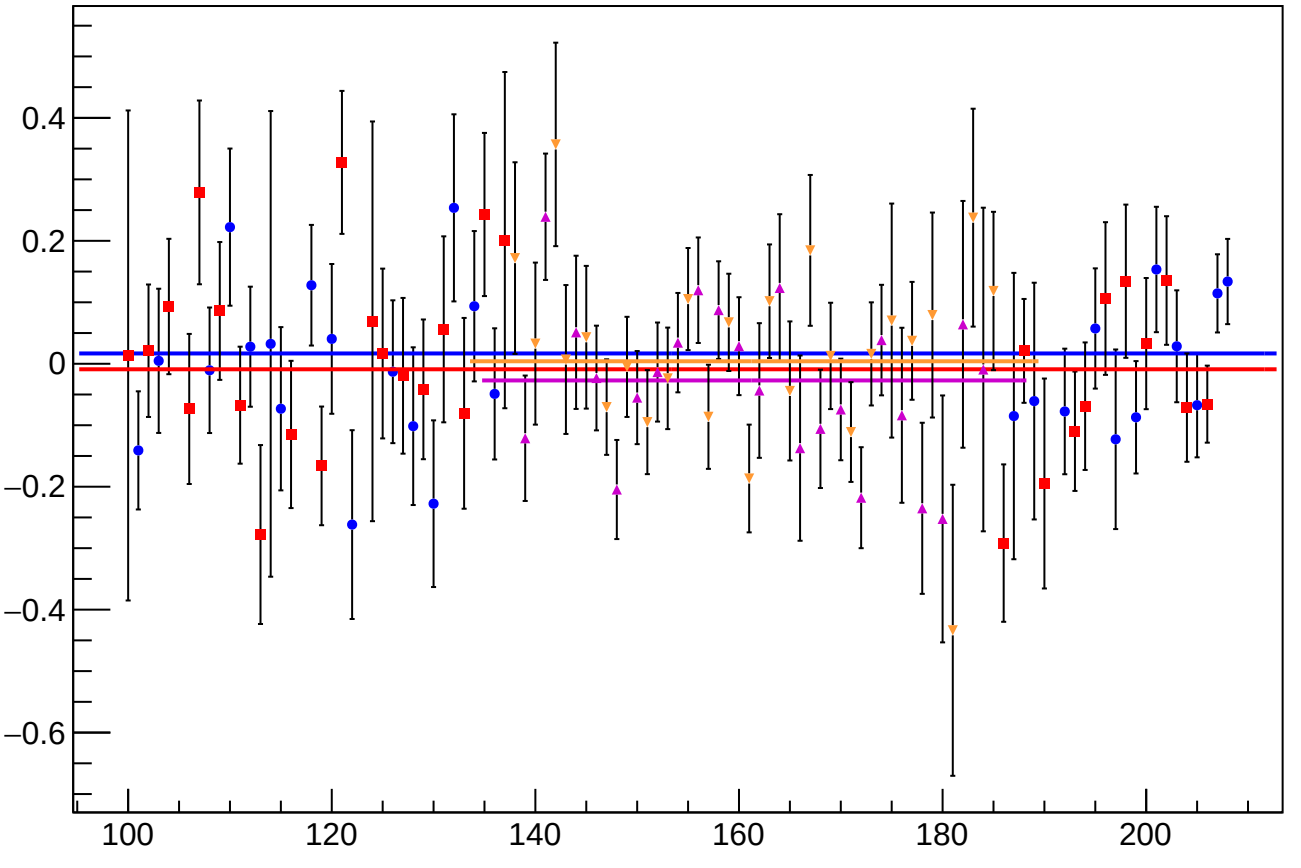
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 79.465+/-0.010 χ^2/NDF: 2180170.8/56

In: 80.480+/-0.010 χ^2/NDF:2832108.4/49

Out: 82.302+/-0.010 χ^2/NDF:3146033.0/54

All: 81.389+/-0.007 χ^2/NDF: 5993721.0/104



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

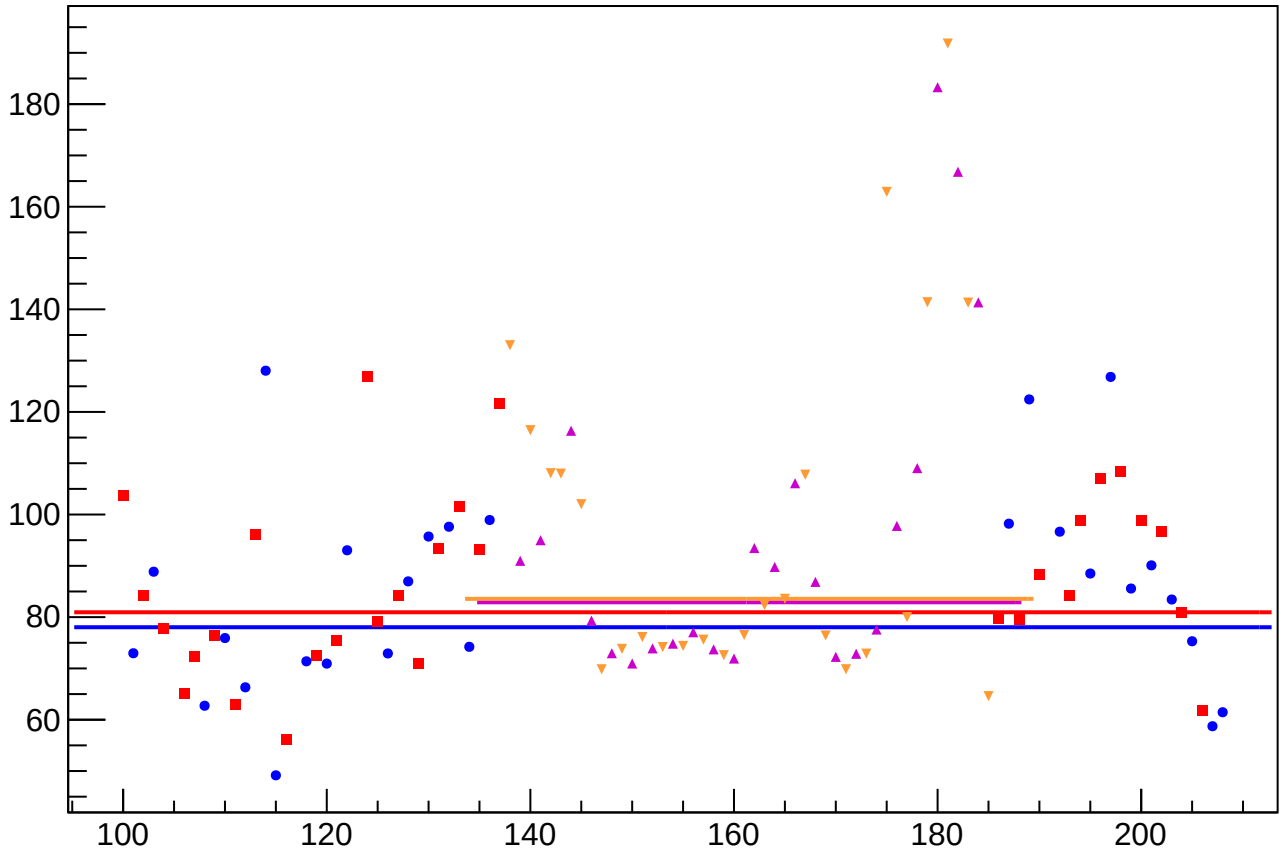
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.004+/-0.015 χ^2/NDF: 69.3/56

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.004+/-0.010 χ^2/NDF: 131.2/104



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

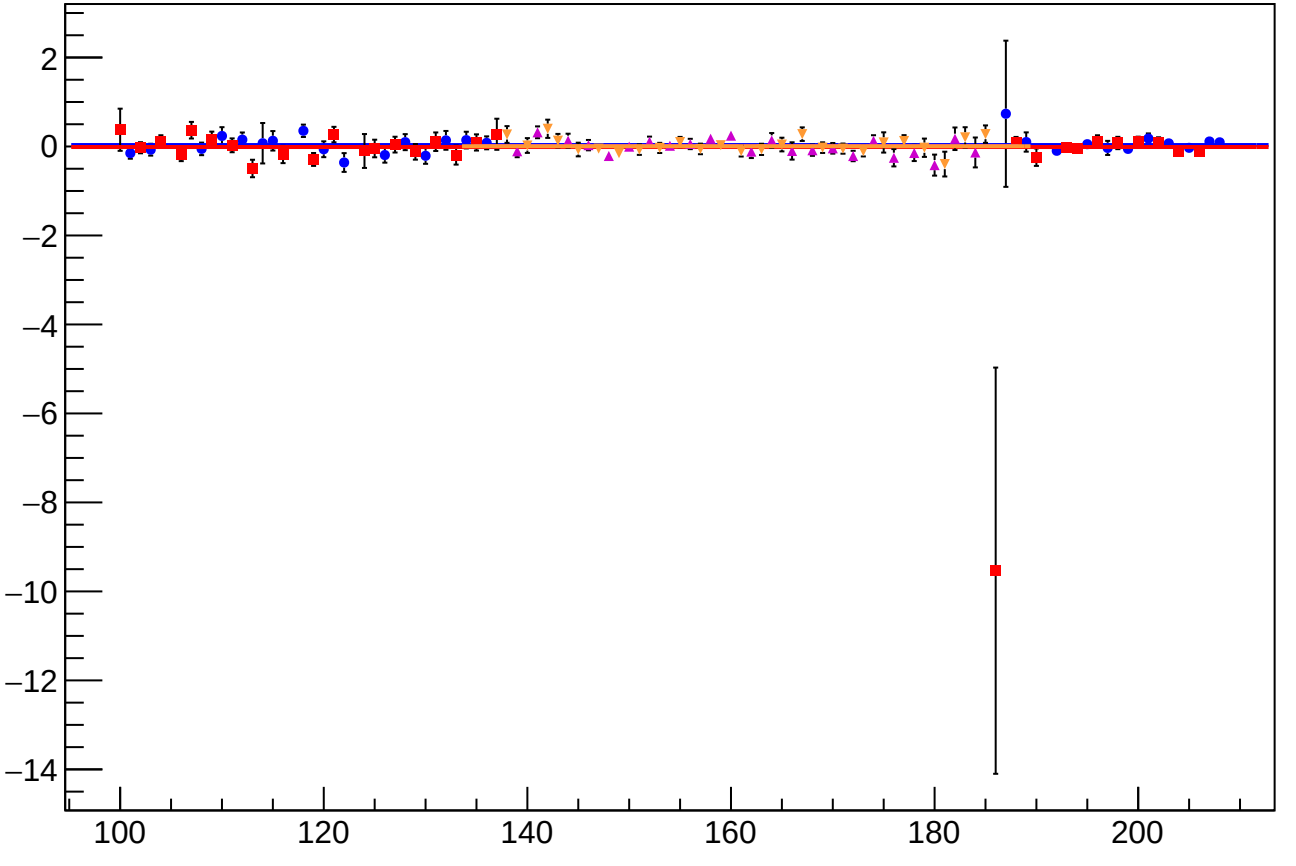
Right: 79.465+/-0.010 χ^2/NDF: 2180170.8/56

In: 80.480+/-0.010 χ^2/NDF:2832108.4/49

Out: 82.302+/-0.010 χ^2/NDF:3146033.0/54

All: 81.389+/-0.007 χ^2/NDF: 5993721.0/104

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.012+/-0.027 χ^2/NDF: 35.6/29

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

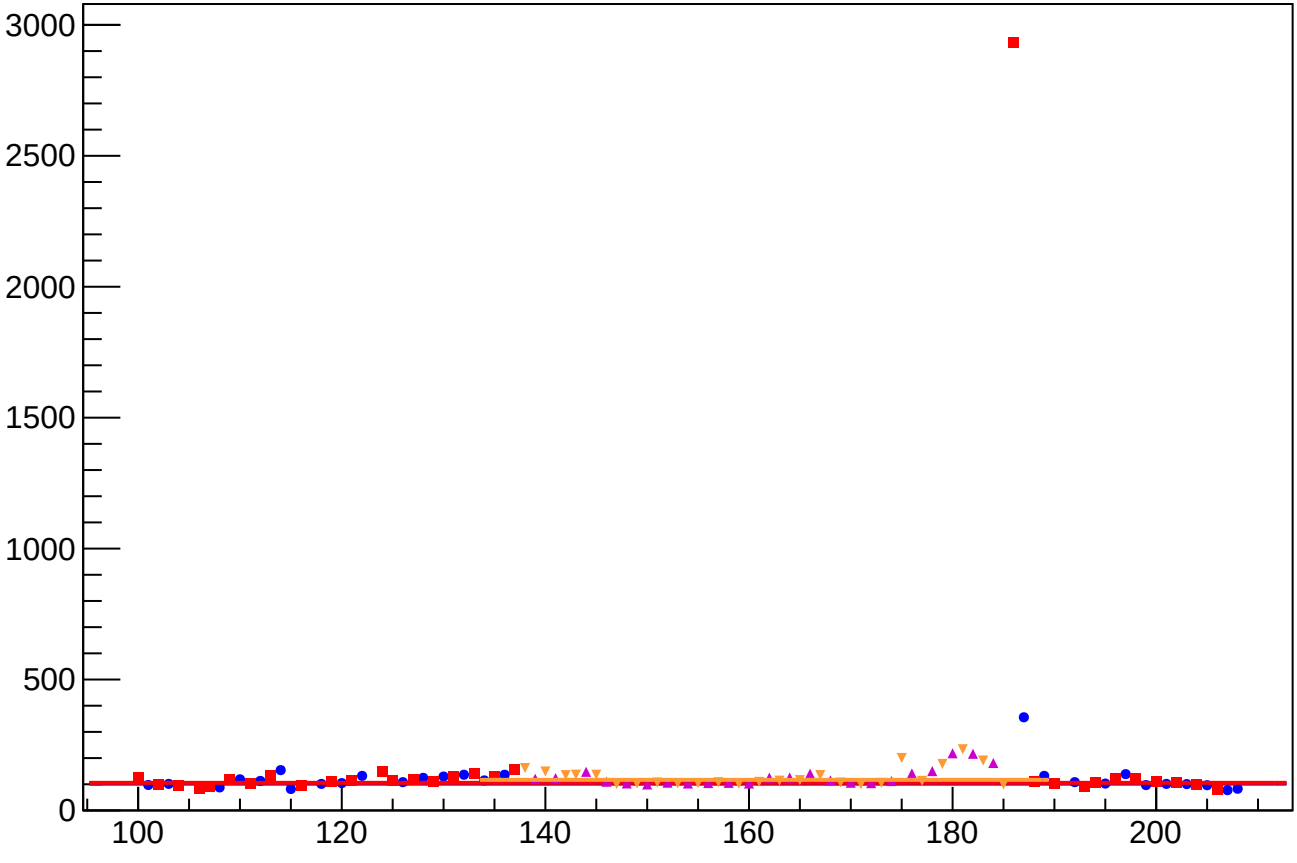
Right: 0.011+/-0.019 χ^2/NDF: 61.2/56

In: 0.022+/-0.019 χ^2/NDF:56.0/49

Out: -0.003+/-0.019 χ^2/NDF:57.1/54

All: 0.009+/-0.014 χ^2/NDF: 113.9/104

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 102.530+/-0.019 χ^2/NDF: 851001.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397442.4/29

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

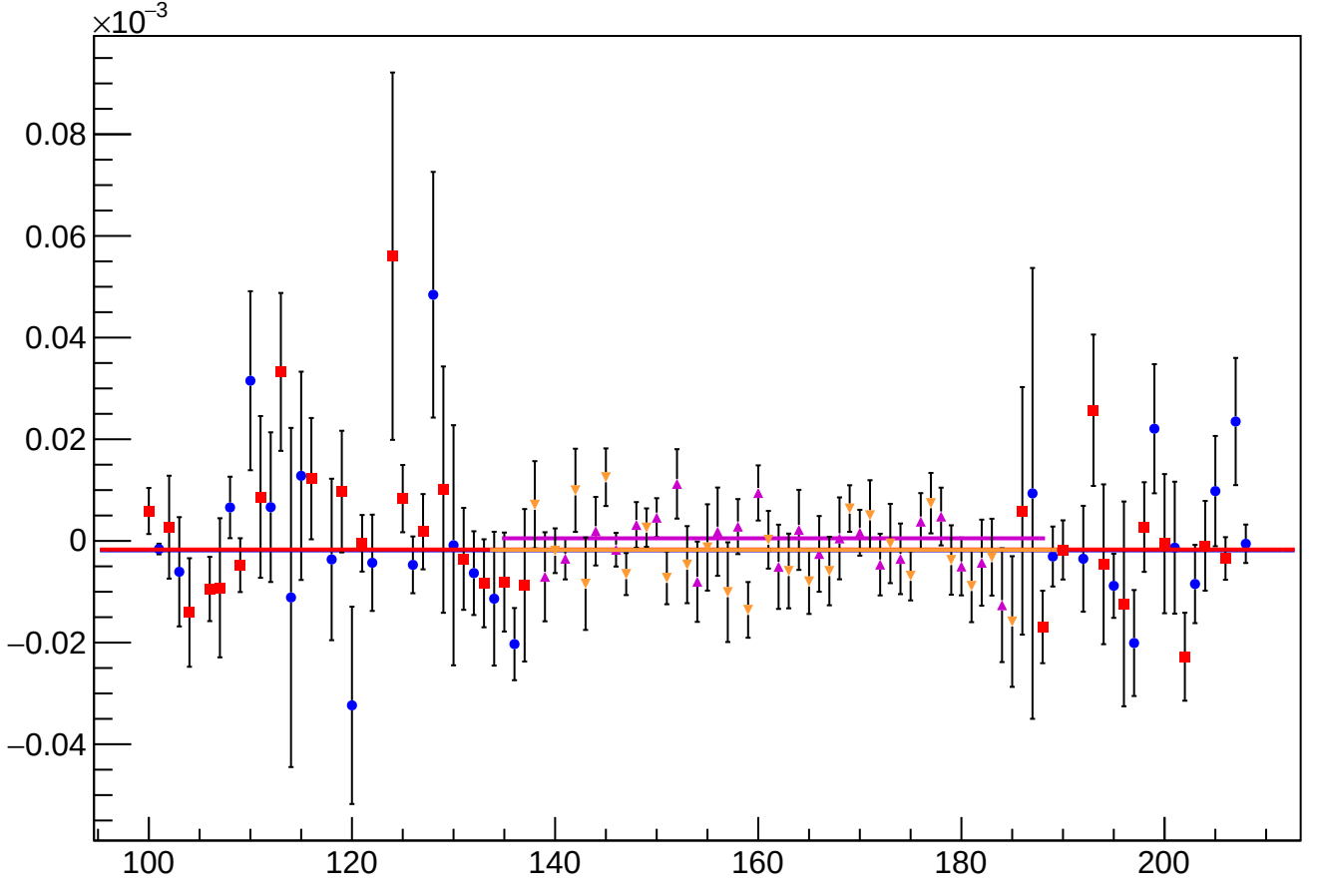
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 103.990+/-0.014 χ^2/NDF: 2260436.2/56

In: 108.888+/-0.014 χ^2/NDF:2316615.4/49

Out: 111.110+/-0.014 χ^2/NDF:3164750.4/54

All: 109.996+/-0.010 χ^2/NDF: 5494388.4/104



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

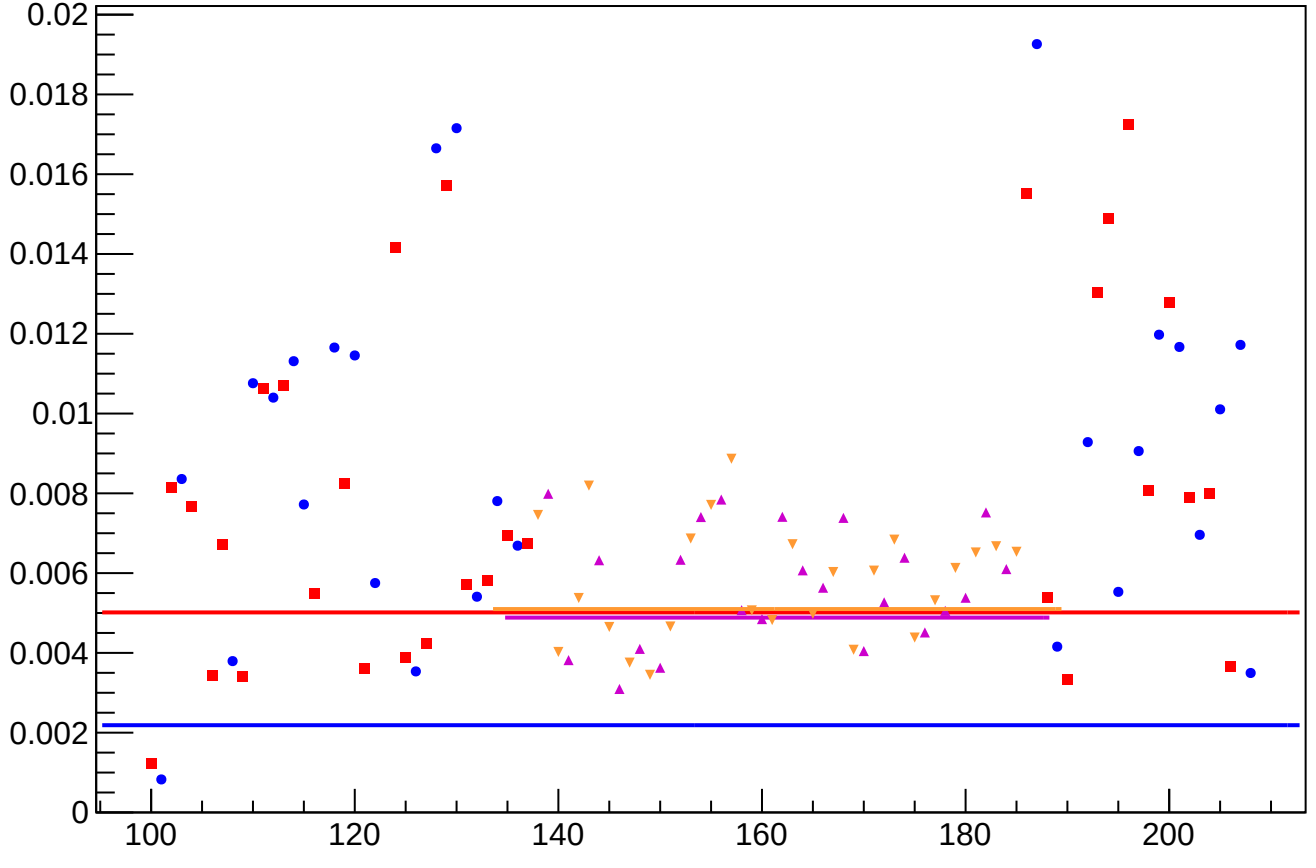
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.1/56

In: -0.000+/-0.000 χ^2/NDF:53.5/49

Out: -0.000+/-0.000 χ^2/NDF:66.7/54

All: -0.000+/-0.000 χ^2/NDF: 120.6/104



Right In: 0.002+/-0.000 χ^2/NDF: 18504415.1/26

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7776429.2/29

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

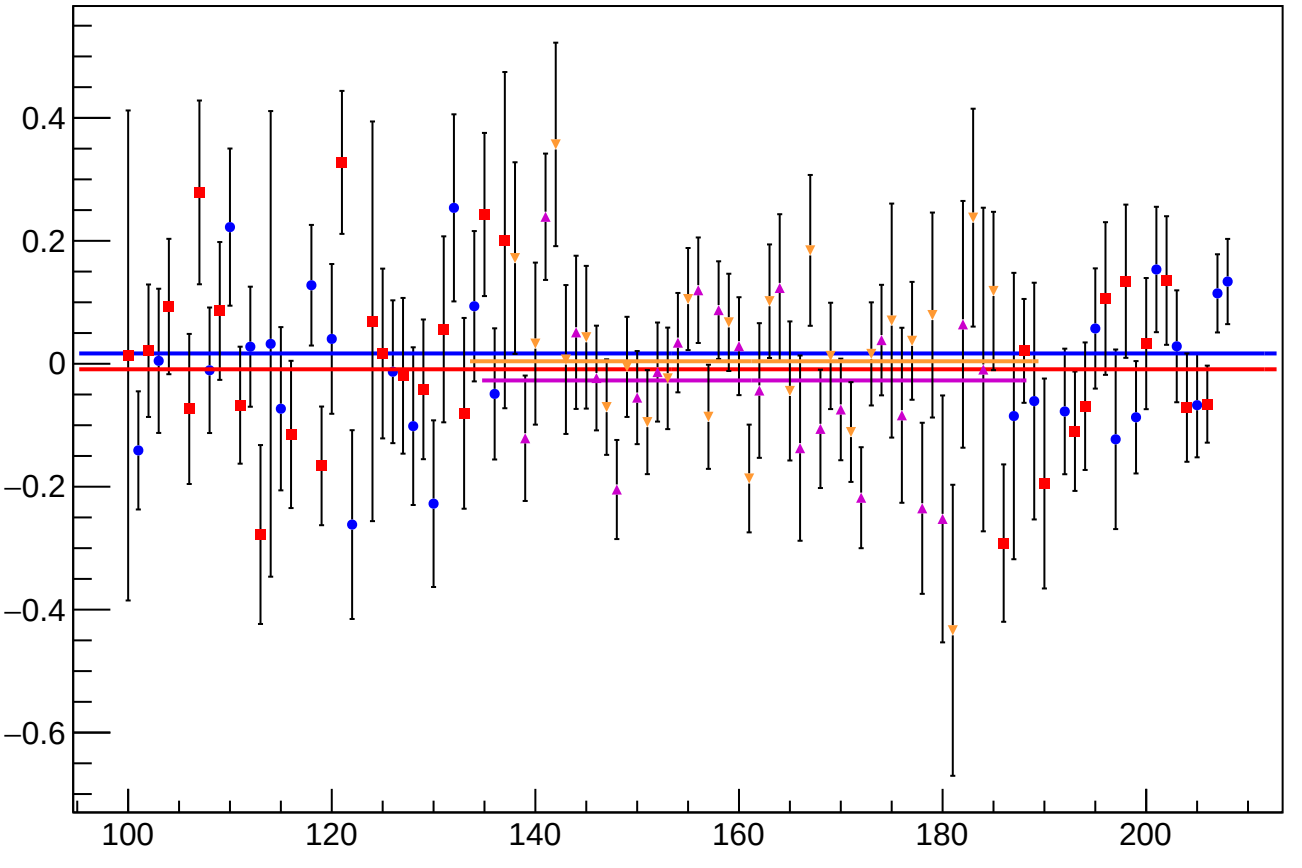
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 31413714.4/56

In: 0.003+/-0.000 χ^2/NDF:27746732.0/49

Out: 0.005+/-0.000 χ^2/NDF:10158834.2/54

All: 0.004+/-0.000 χ^2/NDF: 43056412.8/104



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

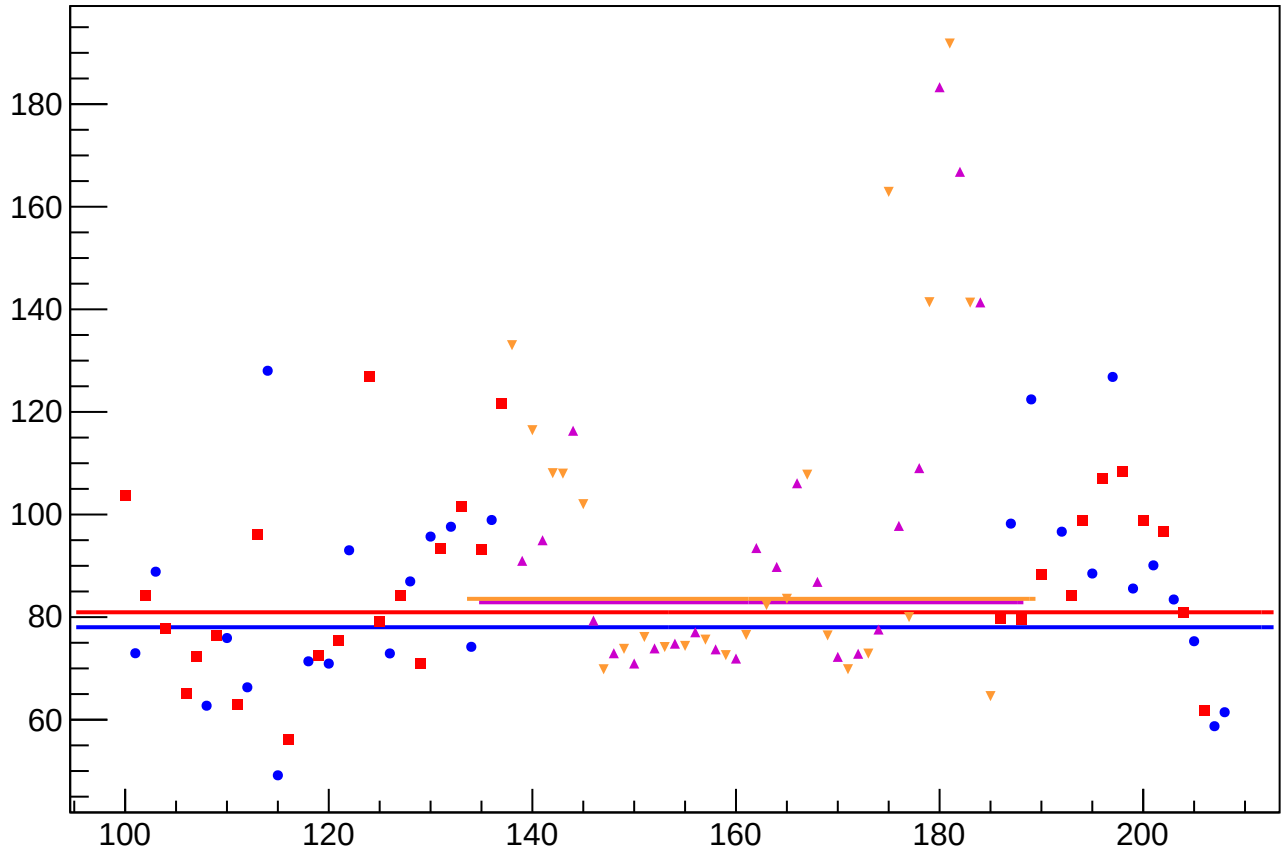
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.004+/-0.015 χ^2/NDF: 69.3/56

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.004+/-0.010 χ^2/NDF: 131.2/104



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

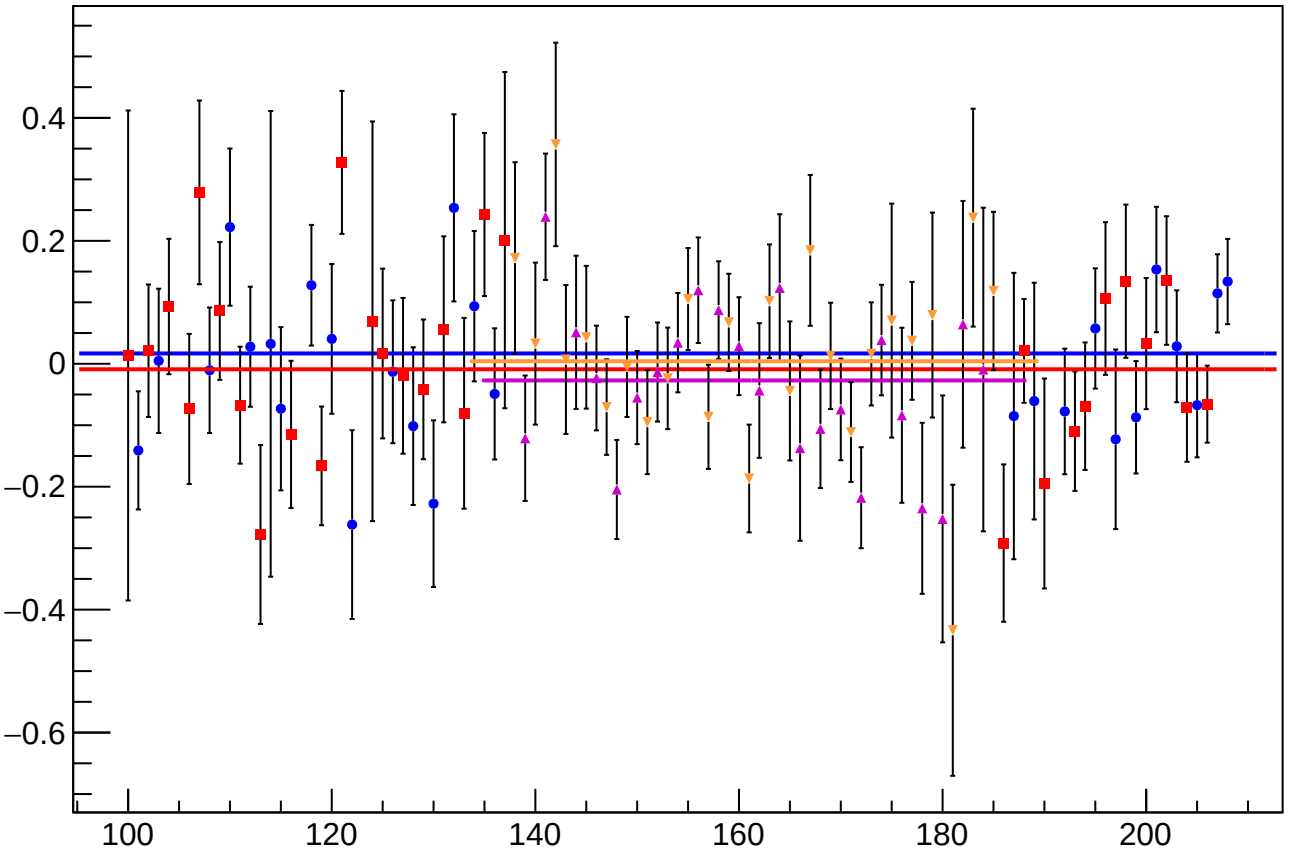
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 79.465+/-0.010 χ^2/NDF: 2180021.6/56

In: 80.480+/-0.010 χ^2/NDF:2832003.4/49

Out: 82.302+/-0.010 χ^2/NDF:3145992.2/54

All: 81.390+/-0.007 χ^2/NDF: 5993570.2/104



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.009+/-0.021 χ^2/NDF: 39.2/29

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

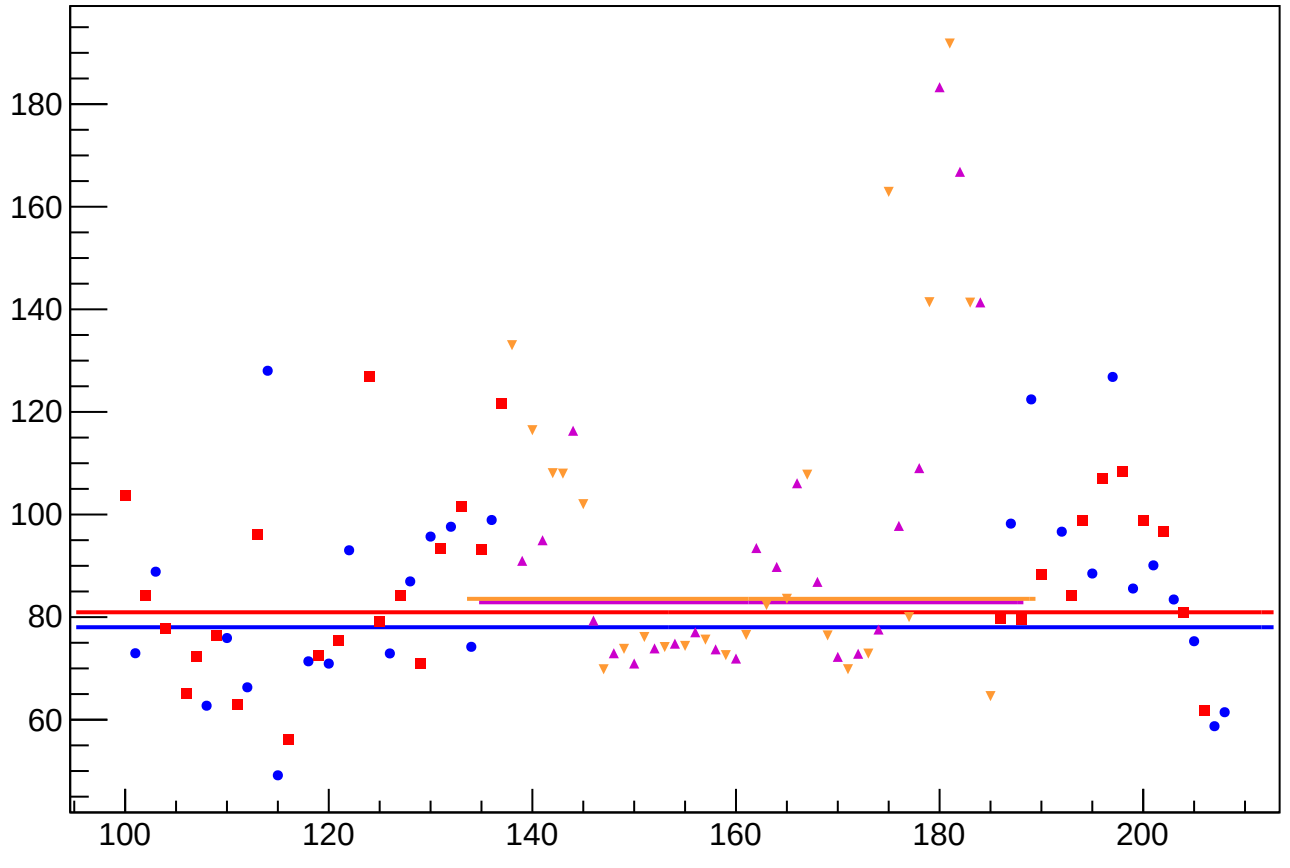
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.004+/-0.015 χ^2/NDF: 69.3/56

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.004+/-0.010 χ^2/NDF: 131.2/104



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

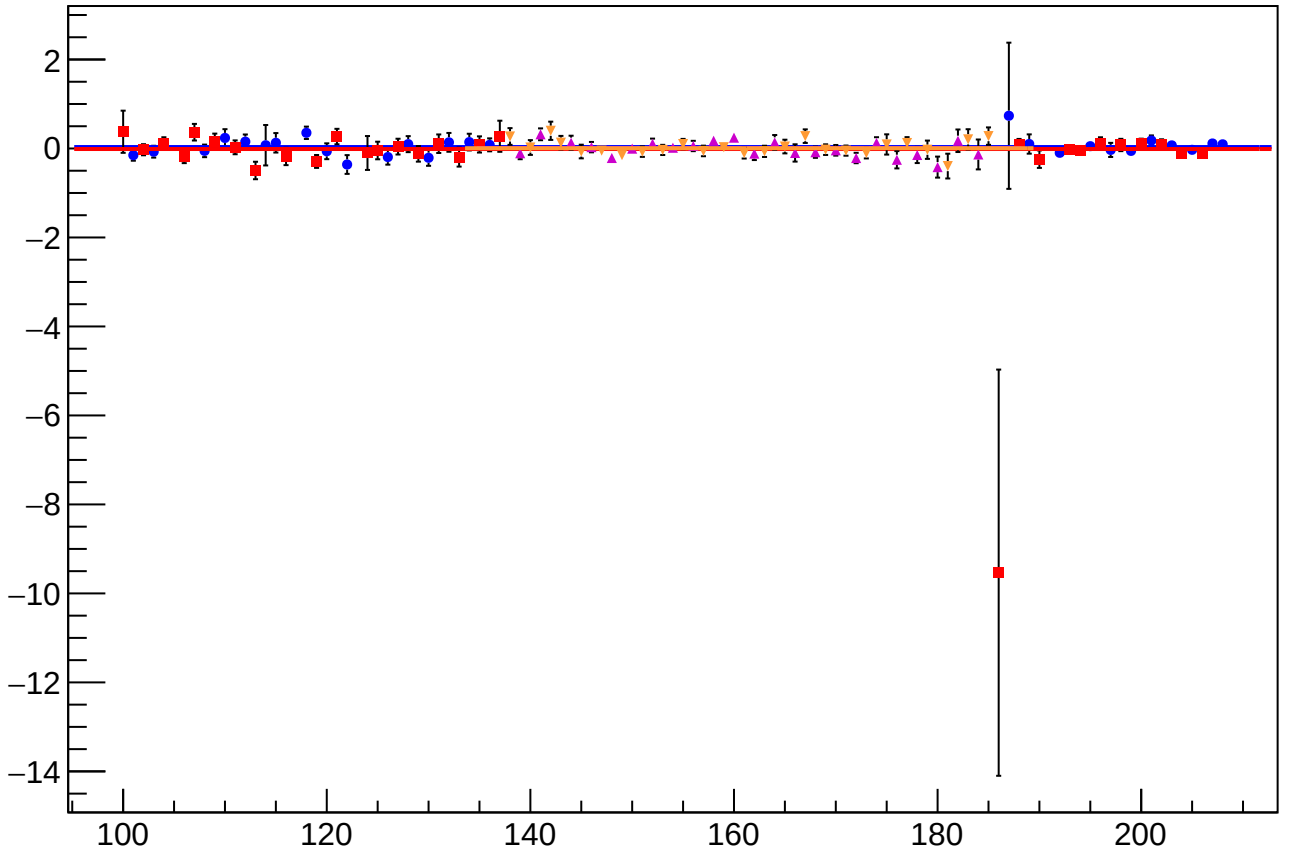
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 79.465+/-0.010 χ^2/NDF: 2180021.6/56

In: 80.480+/-0.010 χ^2/NDF:2832003.4/49

Out: 82.302+/-0.010 χ^2/NDF:3145992.2/54

All: 81.390+/-0.007 χ^2/NDF: 5993570.2/104



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.012+/-0.027 χ^2/NDF: 35.6/29

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

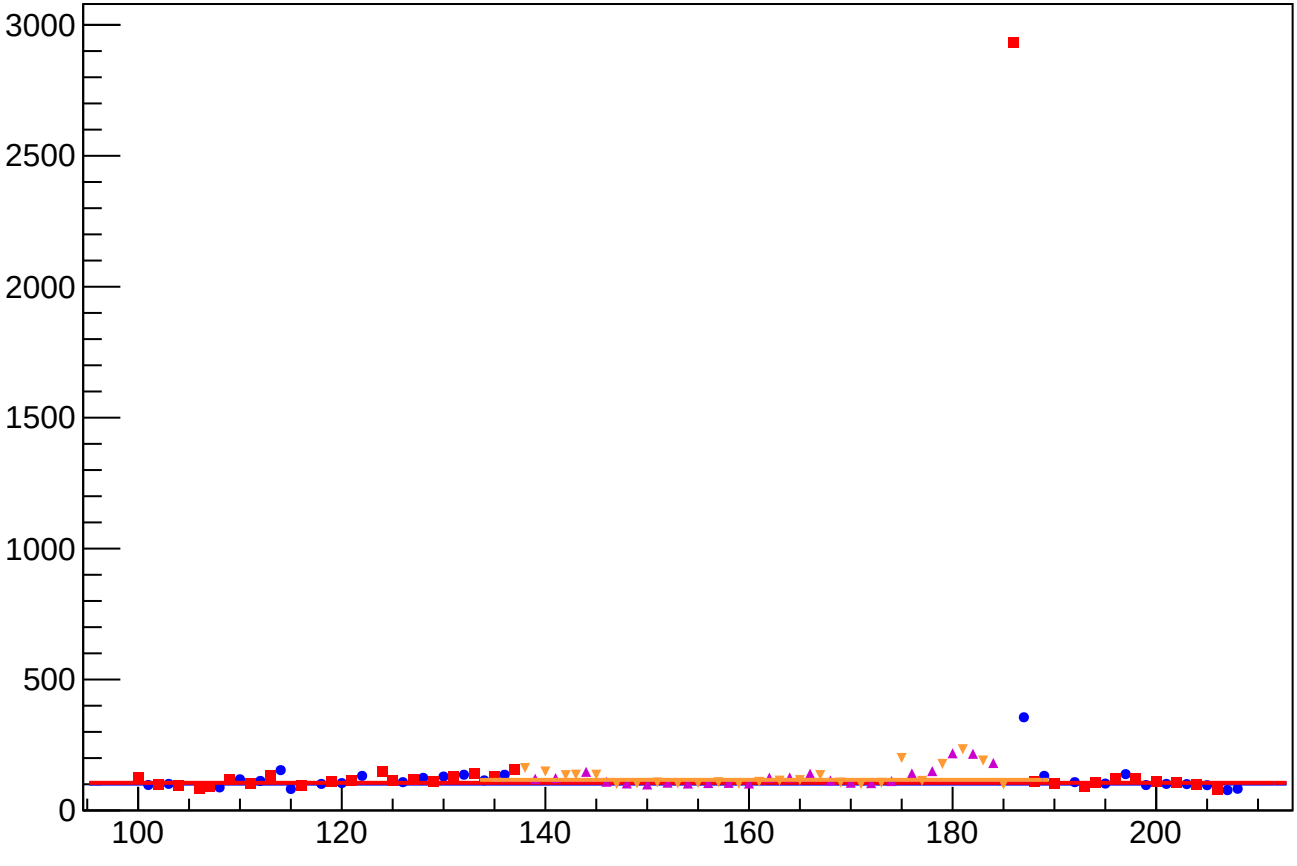
Right: 0.011+/-0.019 χ^2/NDF: 61.2/56

In: 0.022+/-0.019 χ^2/NDF:56.0/49

Out: -0.003+/-0.019 χ^2/NDF:57.1/54

All: 0.009+/-0.014 χ^2/NDF: 113.9/104

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 102.530+/-0.019 χ^2/NDF: 850897.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397375.7/29

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

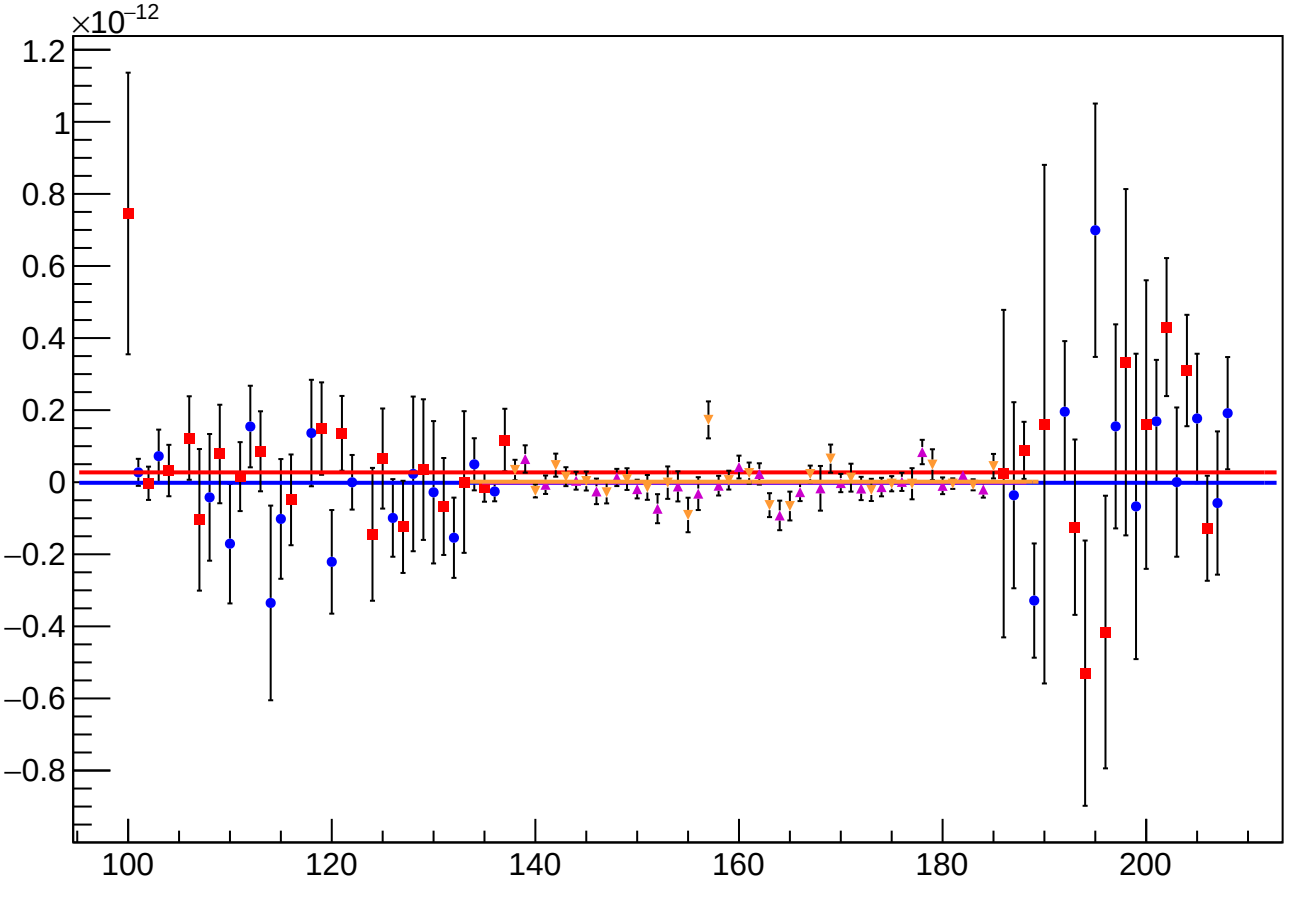
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 103.990+/-0.014 χ^2/NDF: 2260261.6/56

In: 108.888+/-0.014 χ^2/NDF:2316504.5/49

Out: 111.110+/-0.014 χ^2/NDF:3164698.8/54

All: 109.997+/-0.010 χ^2/NDF: 5494223.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/29

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

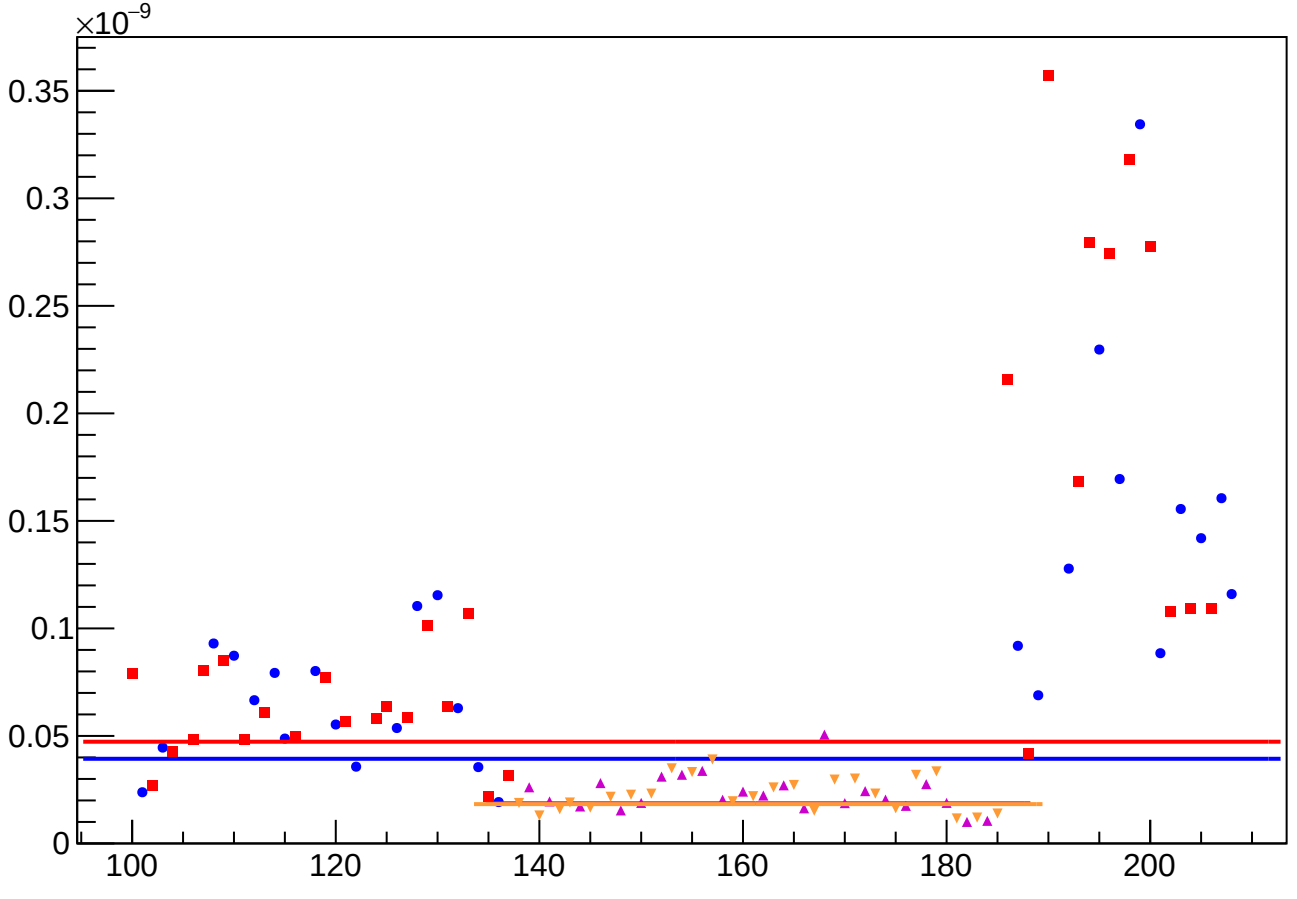
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 55.0/56

In: -0.000+/-0.000 χ^2/NDF:53.6/49

Out: 0.000+/-0.000 χ^2/NDF:65.1/54

All: 0.000+/-0.000 χ^2/NDF: 119.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 8007588.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6935831.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

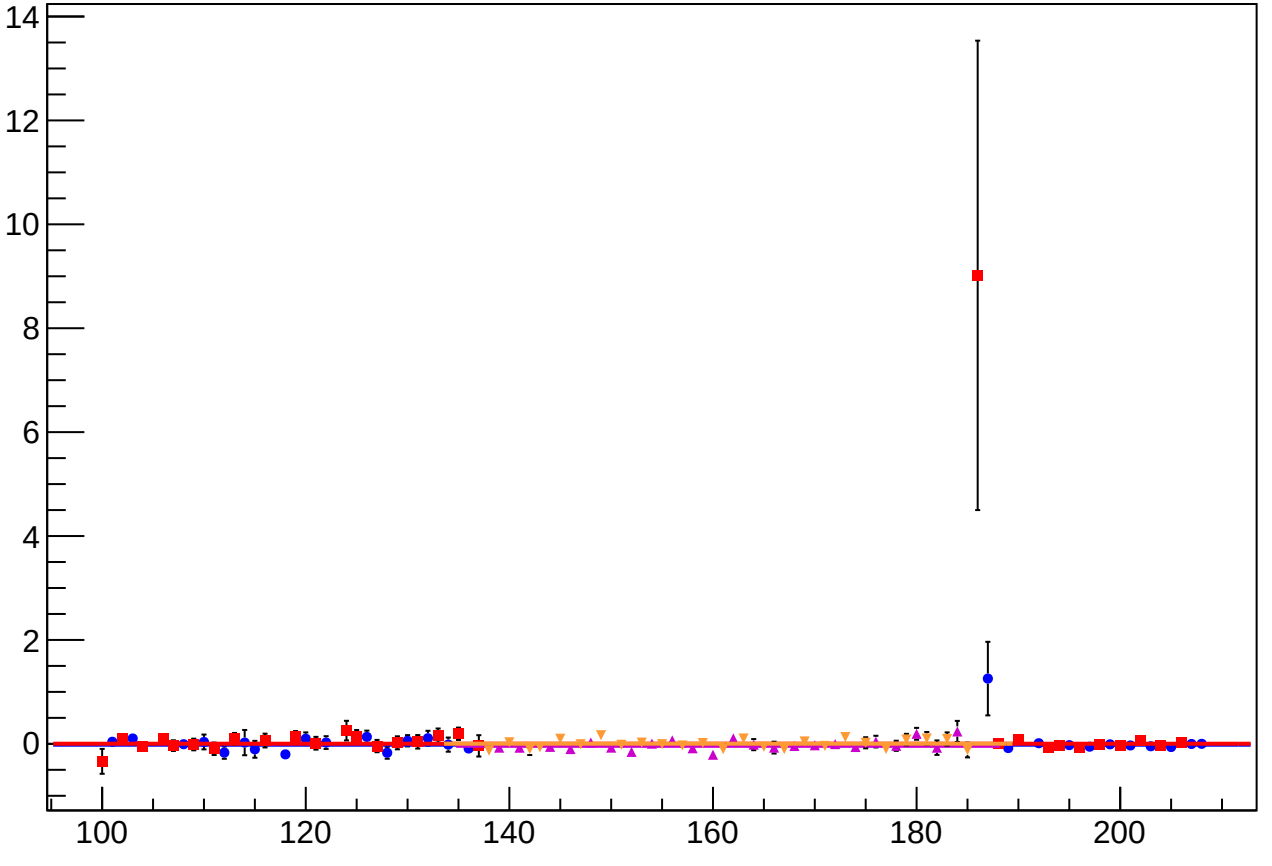
Right: 0.000+/-0.000 χ^2/NDF: 15127285.3/56

In: 0.000+/-0.000 χ^2/NDF:13525954.0/49

Out: 0.000+/-0.000 χ^2/NDF:13984859.3/54

All: 0.000+/-0.000 χ^2/NDF: 27515685.9/104

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.012 χ^2/NDF: 36.4/29

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

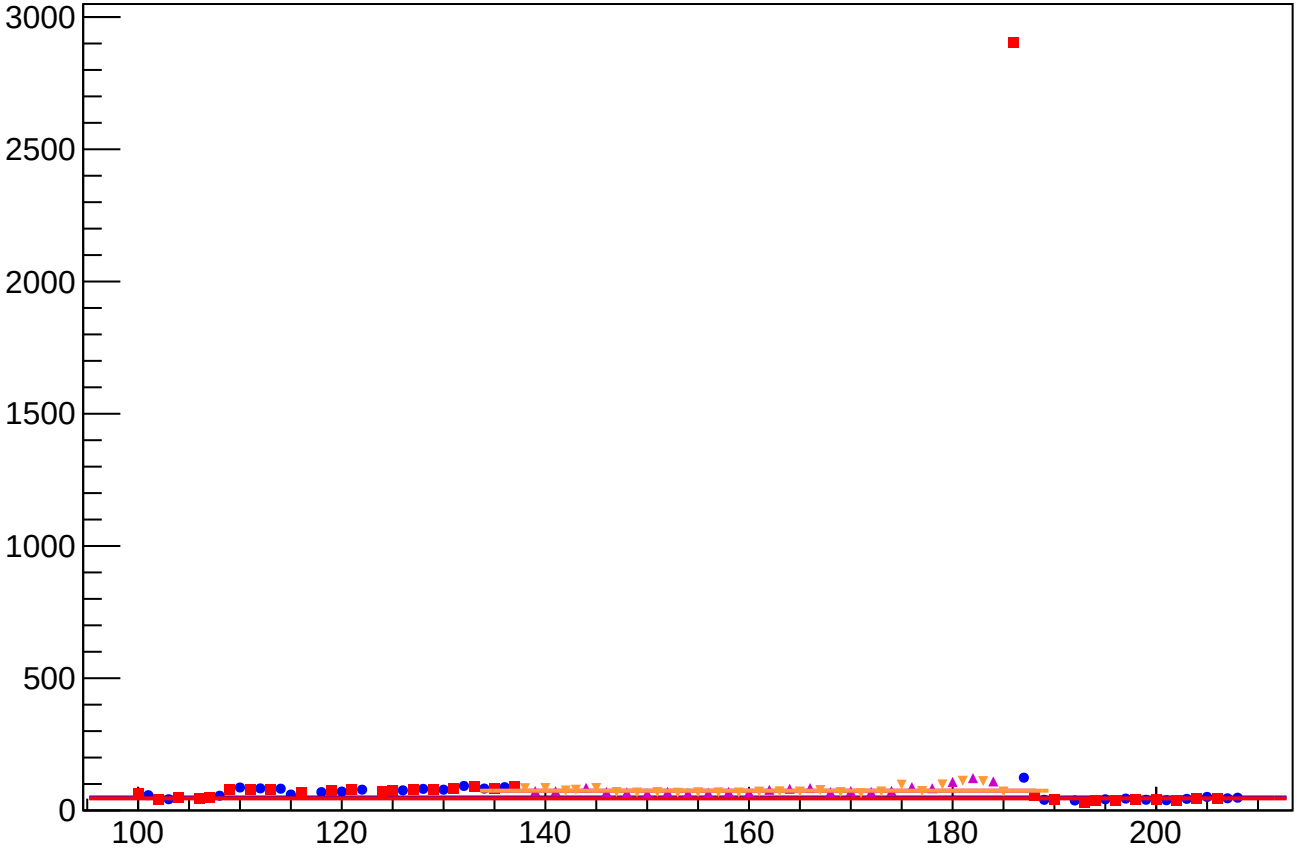
Right: -0.007+/-0.009 χ^2/NDF: 61.5/56

In: -0.024+/-0.011 χ^2/NDF:46.5/49

Out: 0.003+/-0.010 χ^2/NDF:57.9/54

All: -0.010+/-0.007 χ^2/NDF: 107.9/104

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

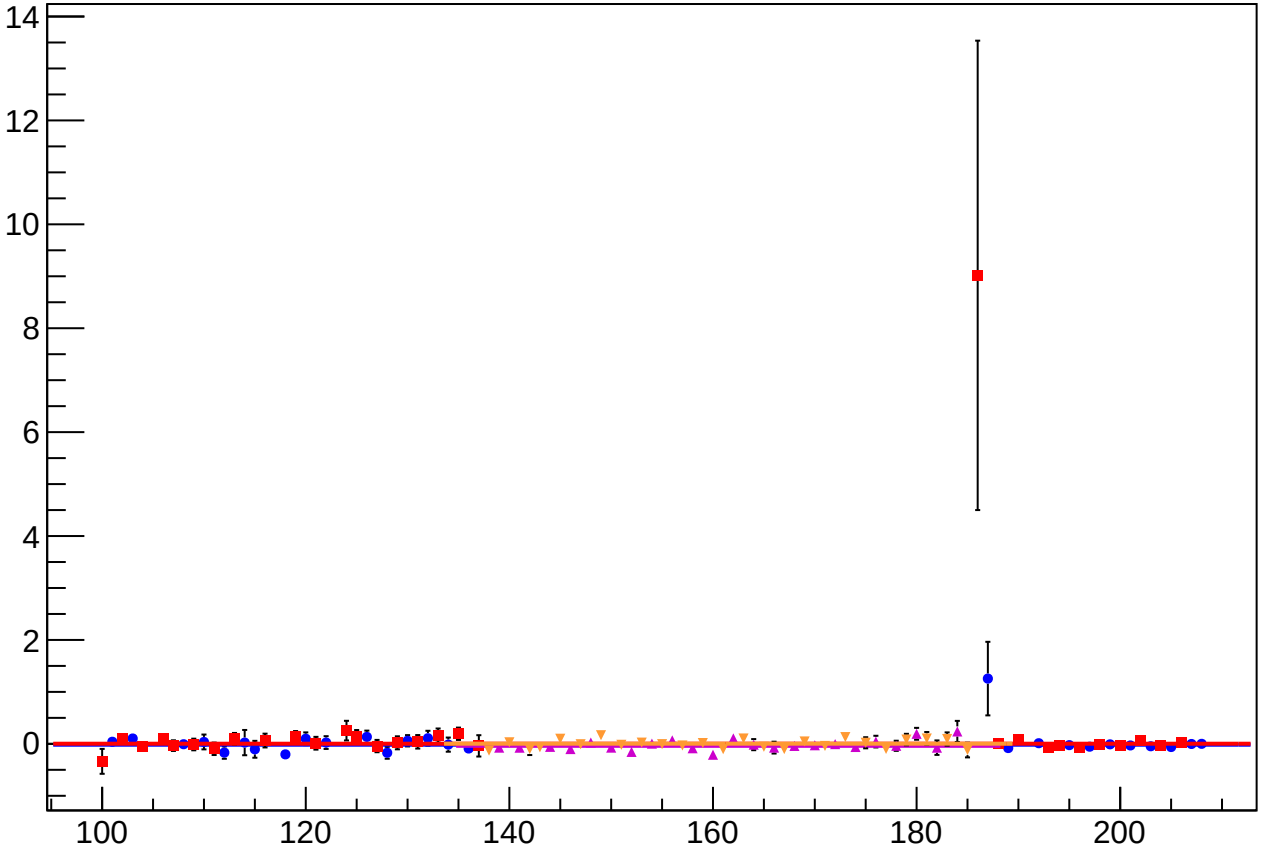
Right: 47.232+/-0.006 χ^2/NDF: 5926342.1/56

In: 58.002+/-0.008 χ^2/NDF:5625435.7/49

Out: 55.539+/-0.007 χ^2/NDF:8034620.9/54

All: 56.716+/-0.005 χ^2/NDF: 13716327.4/104

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.012 χ^2/NDF: 36.4/29

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

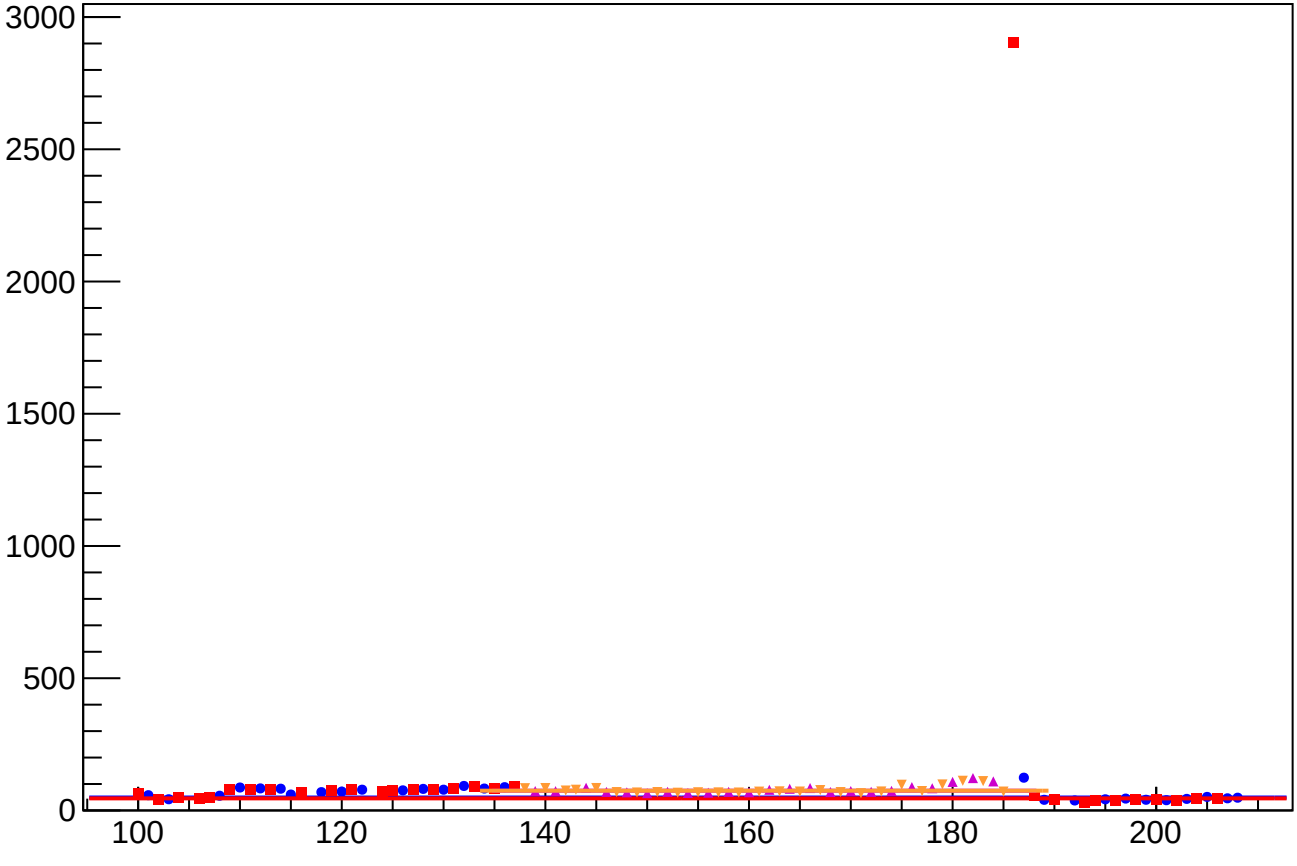
Right: -0.007+/-0.009 χ^2/NDF: 61.5/56

In: -0.024+/-0.011 χ^2/NDF:46.5/49

Out: 0.003+/-0.010 χ^2/NDF:57.9/54

All: -0.010+/-0.007 χ^2/NDF: 107.9/104

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

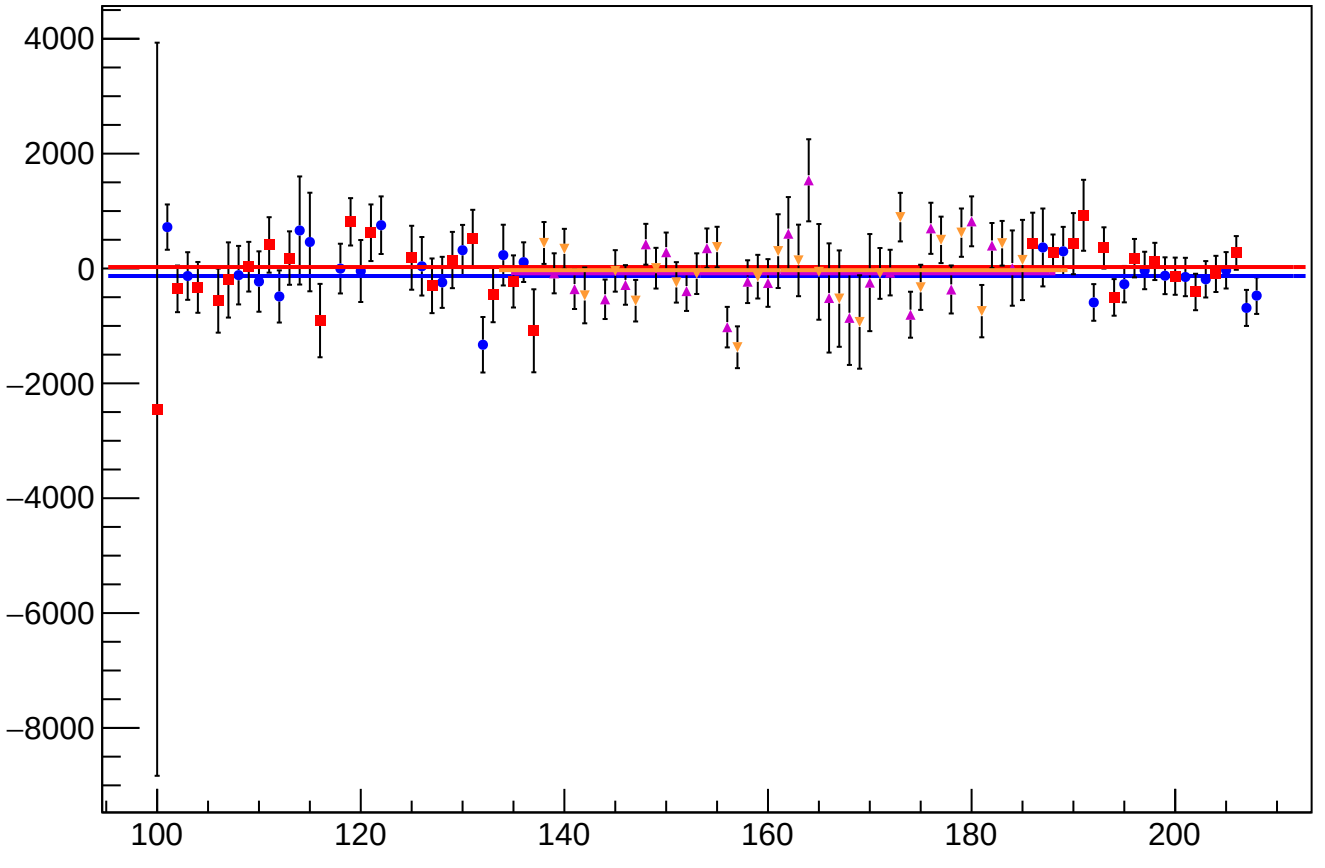
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 47.232+/-0.006 χ^2/NDF: 5926342.1/56

In: 58.002+/-0.008 χ^2/NDF:5625435.7/49

Out: 55.539+/-0.007 χ^2/NDF:8034620.9/54

All: 56.716+/-0.005 χ^2/NDF: 13716327.4/104



Right In: -130.954+/-77.715 χ^2/NDF: 26.4/26

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 25.367+/-77.271 χ^2/NDF: 27.0/29

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

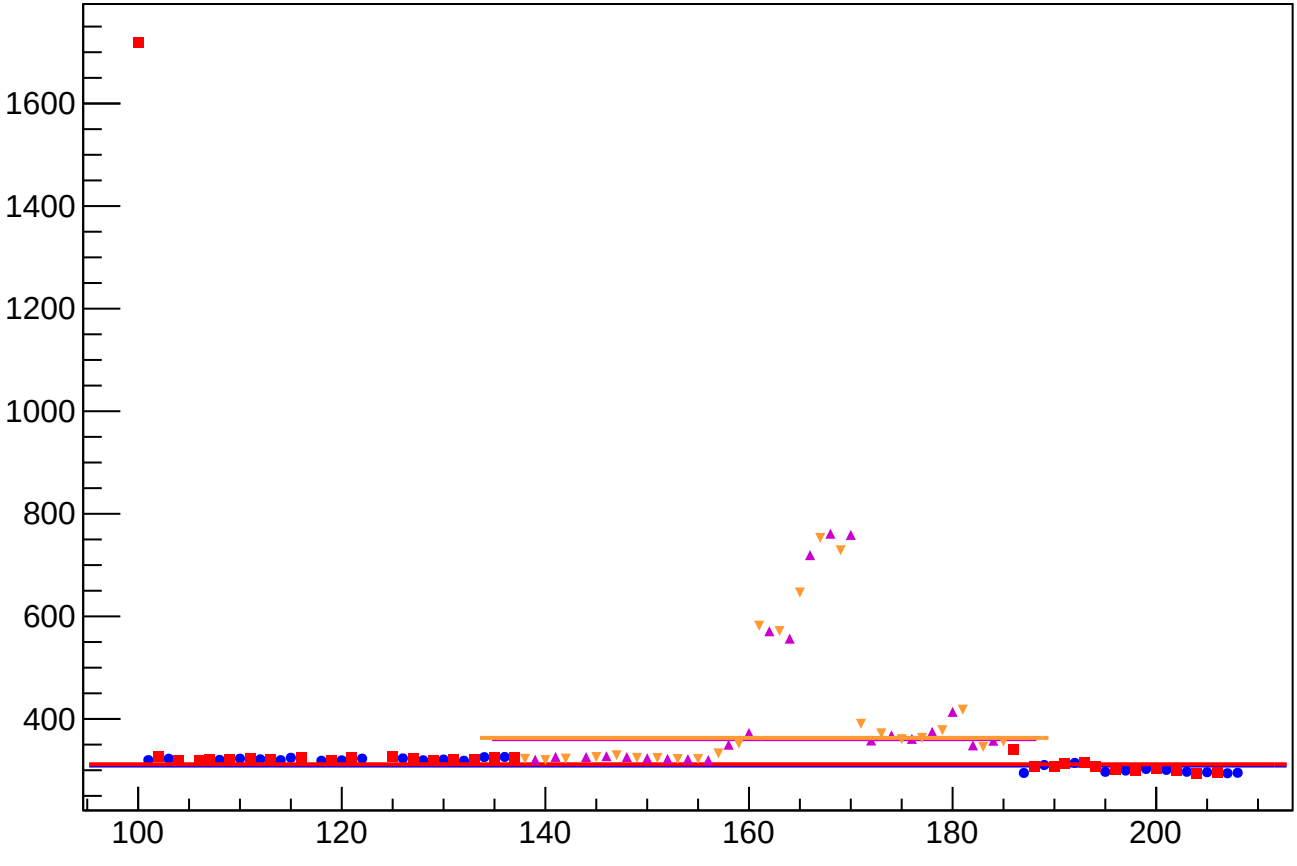
Right: -52.346+/-54.795 χ^2/NDF: 55.4/56

In: -109.850+/-57.803 χ^2/NDF:62.4/49

Out: 1.093+/-57.635 χ^2/NDF:63.8/53

All: -54.218+/-40.813 χ^2/NDF: 128.0/103

asym_dsl_rms vs Slug, Sign Corrected



Right In: 309.178+/-0.055 χ^2/NDF: 45670.9/26

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 311.647+/-0.055 χ^2/NDF: 142782.4/29

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

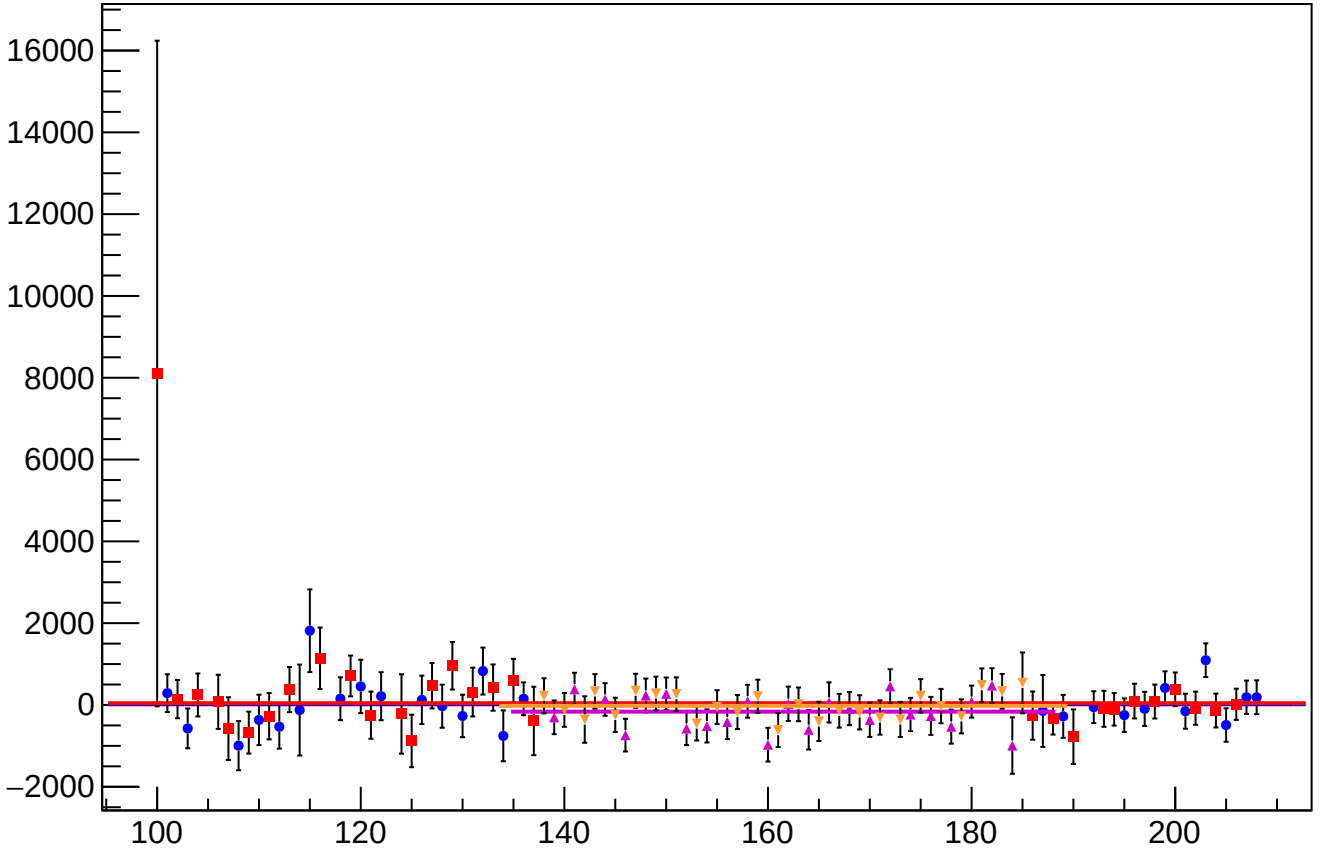
Right: 310.419+/-0.039 χ^2/NDF: 189468.2/56

In: 332.146+/-0.041 χ^2/NDF:2254363.7/49

Out: 334.465+/-0.041 χ^2/NDF:2331463.7/53

All: 333.309+/-0.029 χ^2/NDF: 4587441.0/103

asym_dsr_mean vs Slug, Sign Corrected



Right In: 17.474+/-95.814 χ^2/NDF: 24.6/26

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 43.348+/-94.905 χ^2/NDF: 19.8/29

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

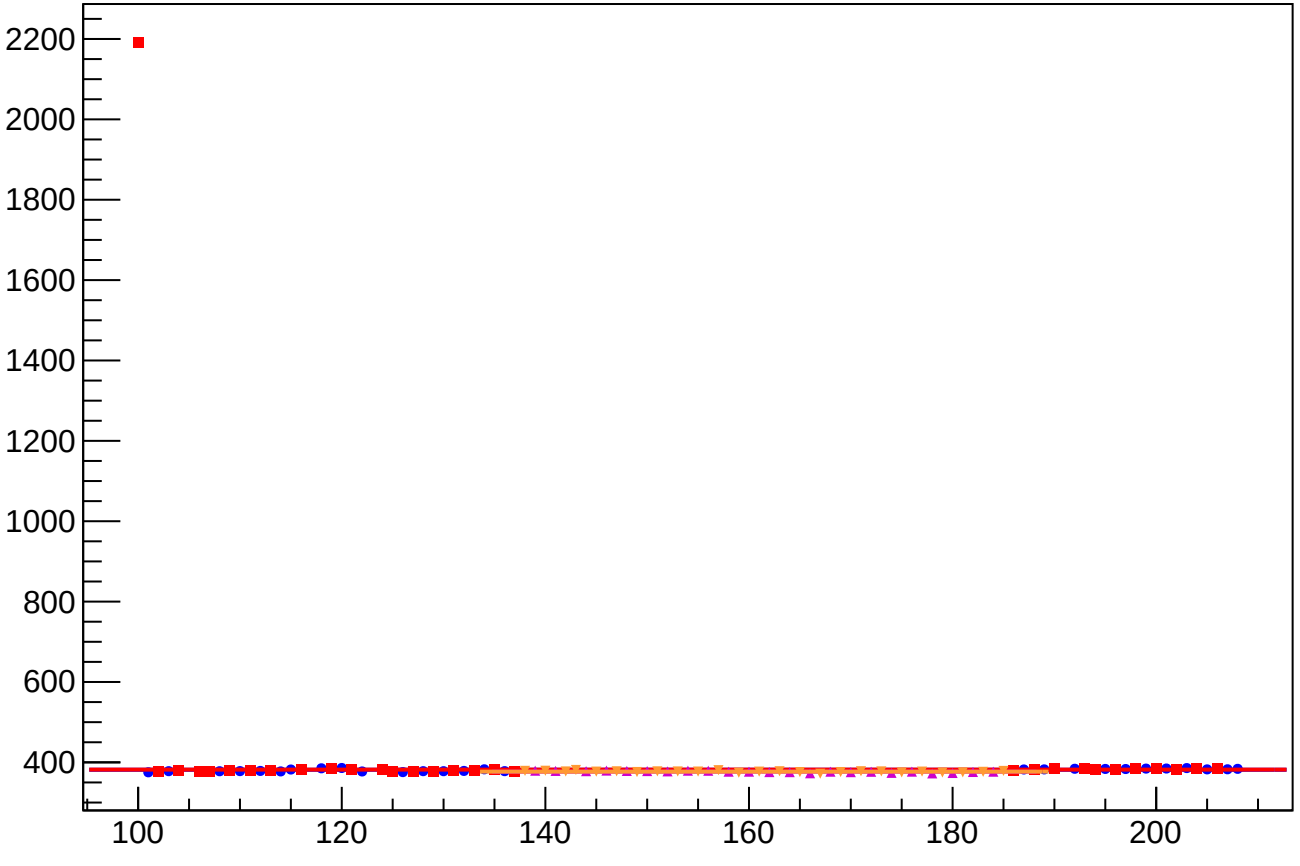
Right: 30.534+/-67.427 χ^2/NDF: 44.5/56

In: -80.425+/-64.809 χ^2/NDF:48.3/49

Out: 7.840+/-63.572 χ^2/NDF:32.7/54

All: -35.443+/-45.383 χ^2/NDF: 81.9/104

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.516+/-0.068 χ^2/NDF: 2240.5/26

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.919+/-0.067 χ^2/NDF: 100665.9/29

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

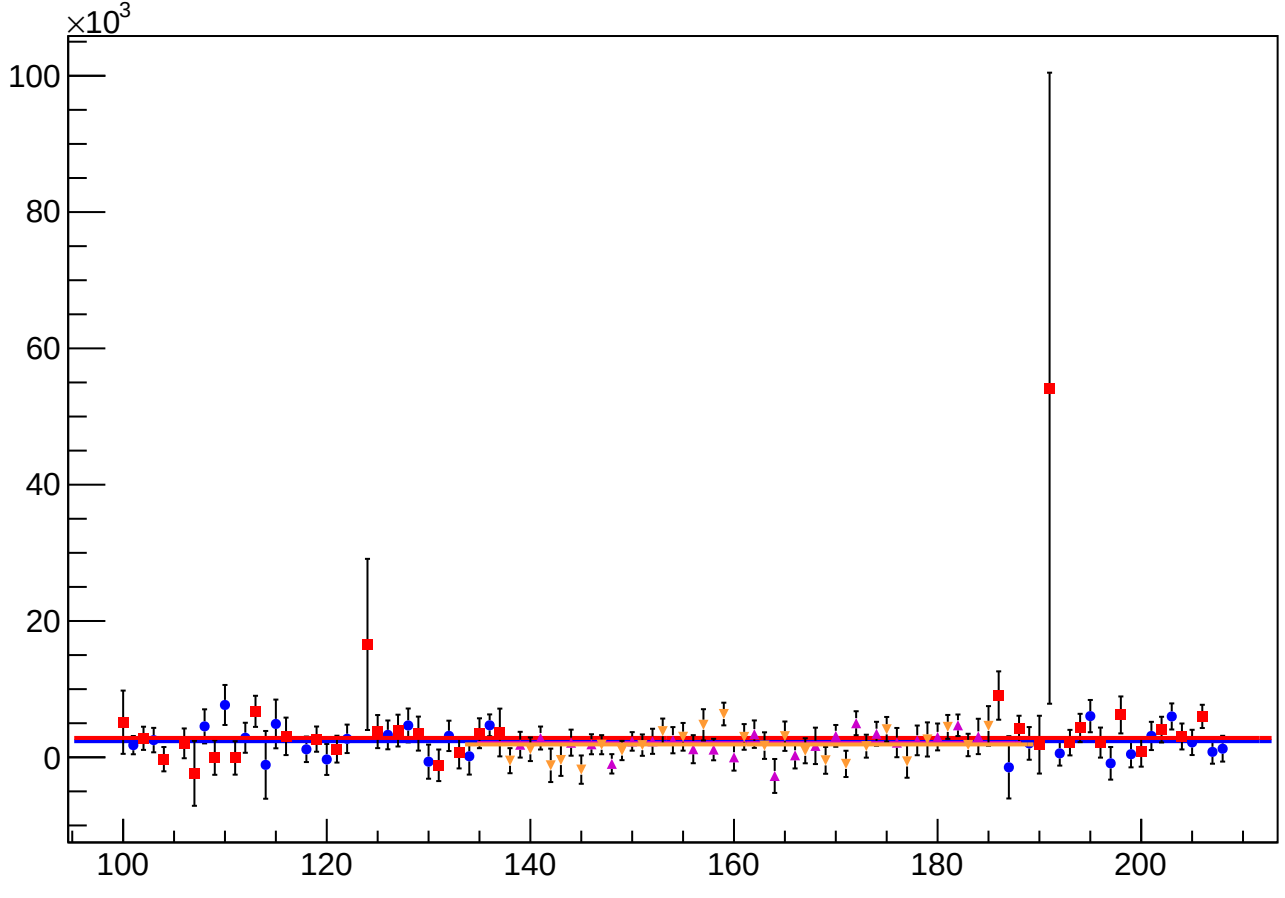
Right: 381.719+/-0.048 χ^2/NDF: 102924.2/56

In: 378.983+/-0.046 χ^2/NDF:5892.4/49

Out: 379.155+/-0.045 χ^2/NDF:104800.4/54

All: 379.071+/-0.032 χ^2/NDF: 110700.1/104

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2840.979+/-417.980 χ^2/NDF: 28.6/30

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

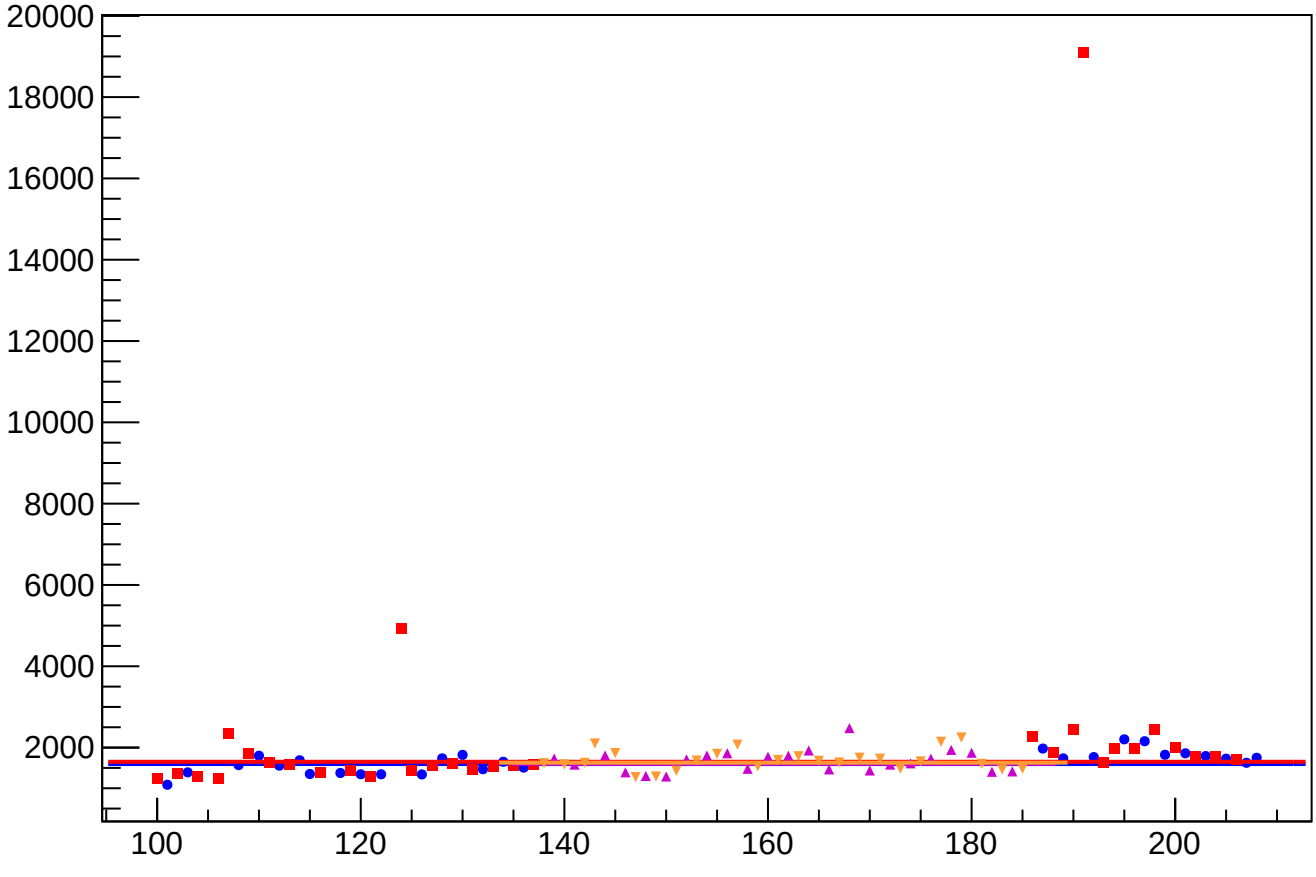
Right: 2597.382+/-291.835 χ^2/NDF: 53.6/57

In: 2226.098+/-277.589 χ^2/NDF:43.2/49

Out: 2315.125+/-279.247 χ^2/NDF:59.8/55

All: 2270.346+/-196.869 χ^2/NDF: 103.0/105

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1650.871+/-0.296 χ^2/NDF: 1358899.2/30

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

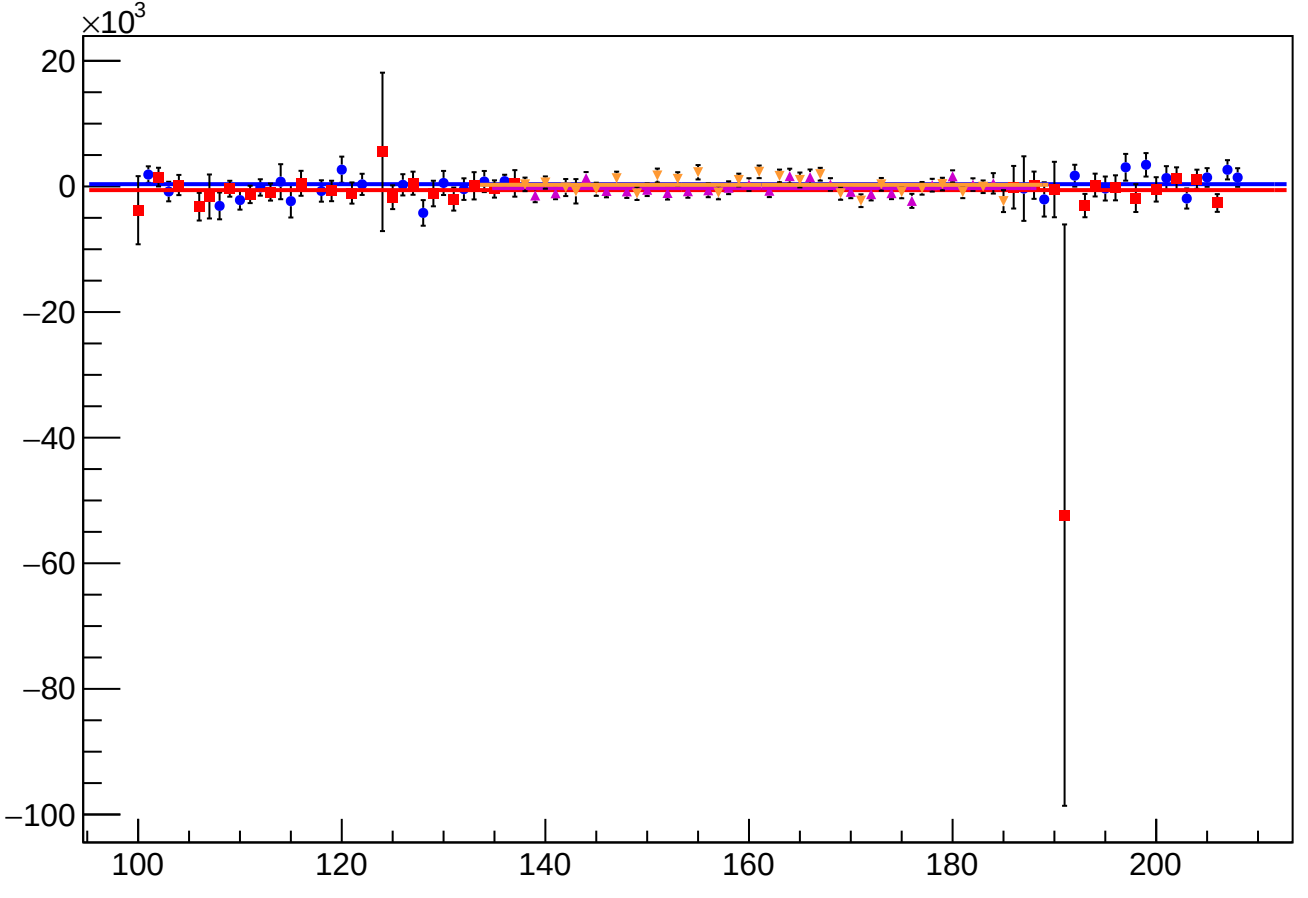
Right: 1622.182+/-0.206 χ^2/NDF: 2245866.7/57

In: 1598.435+/-0.196 χ^2/NDF:1662587.4/49

Out: 1638.473+/-0.197 χ^2/NDF:2141172.0/55

All: 1618.335+/-0.139 χ^2/NDF: 3824439.6/10

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -583.032+/-336.940 χ^2/NDF: 14.9/30

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

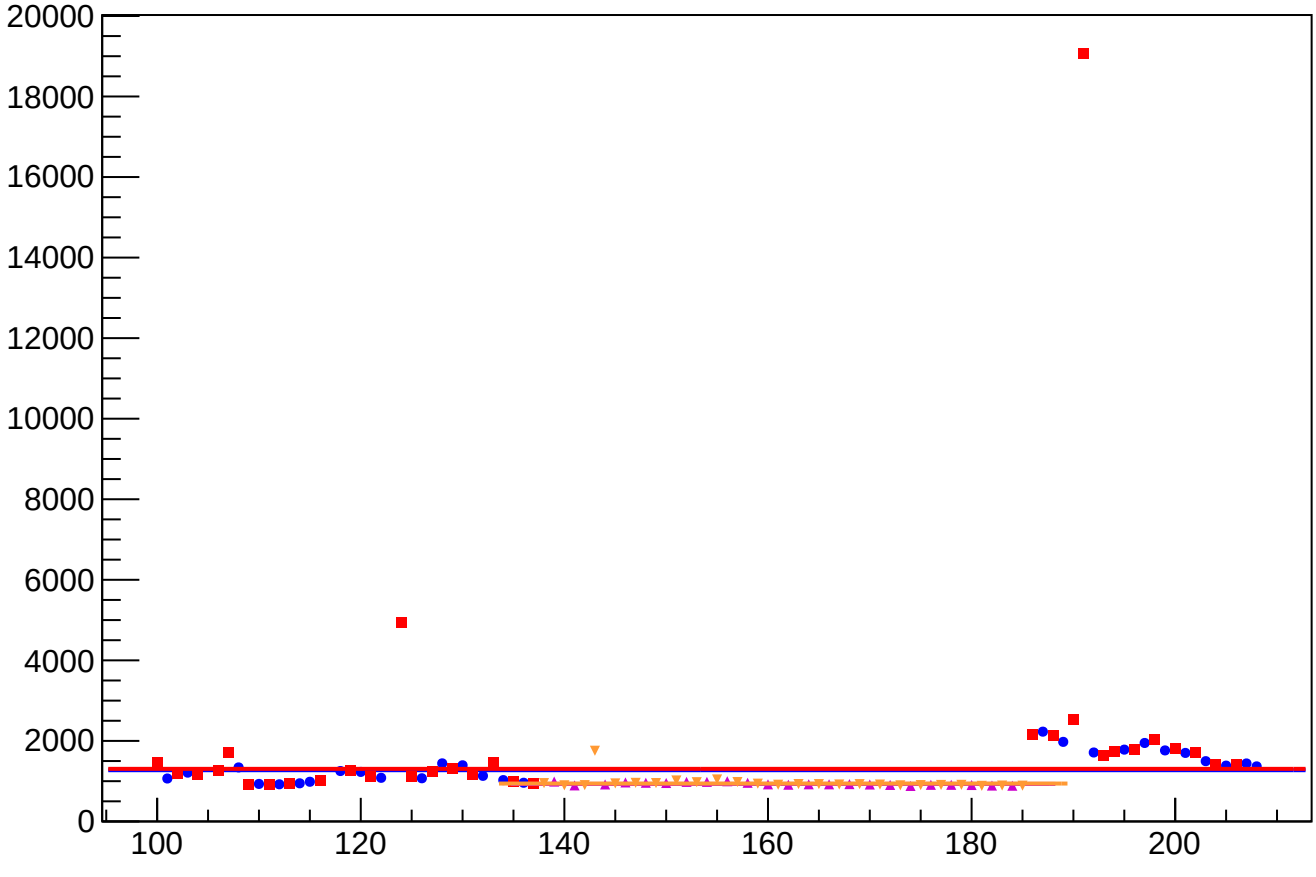
Right: -99.114+/-235.406 χ^2/NDF: 46.0/57

In: -75.436+/-181.548 χ^2/NDF:51.1/49

Out: 17.822+/-181.222 χ^2/NDF:53.3/55

All: -28.723+/-128.259 χ^2/NDF: 104.5/105

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1306.054+/-0.238 χ^2/NDF: 2632952.9/30

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

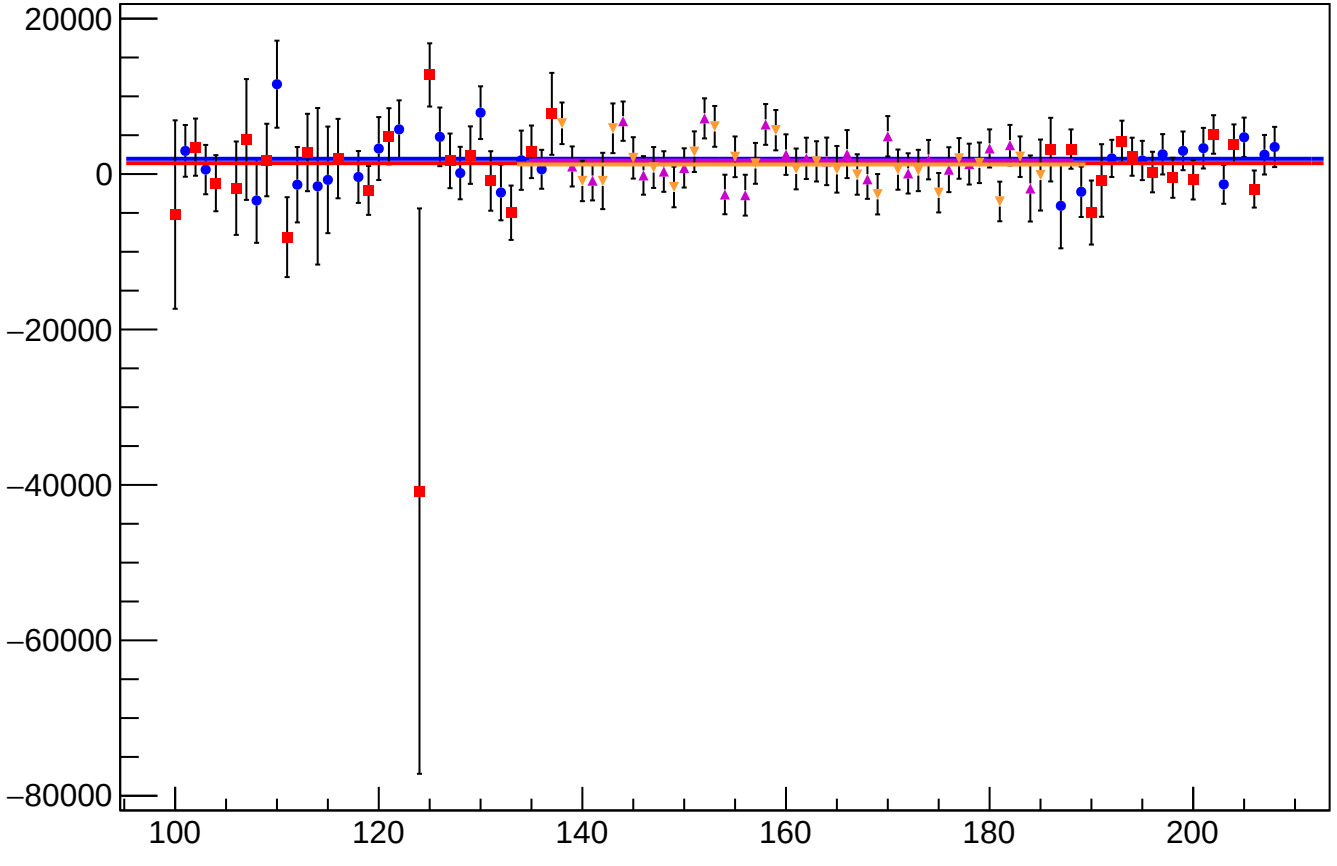
Right: 1288.844+/-0.166 χ^2/NDF: 4311130.1/57

In: 1035.340+/-0.128 χ^2/NDF:3209924.4/49

Out: 1046.612+/-0.128 χ^2/NDF:4719086.0/55

All: 1040.986+/-0.091 χ^2/NDF: 7932872.3/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1966.869+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1401.871+/-619.418 χ^2/NDF: 32.9/30

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

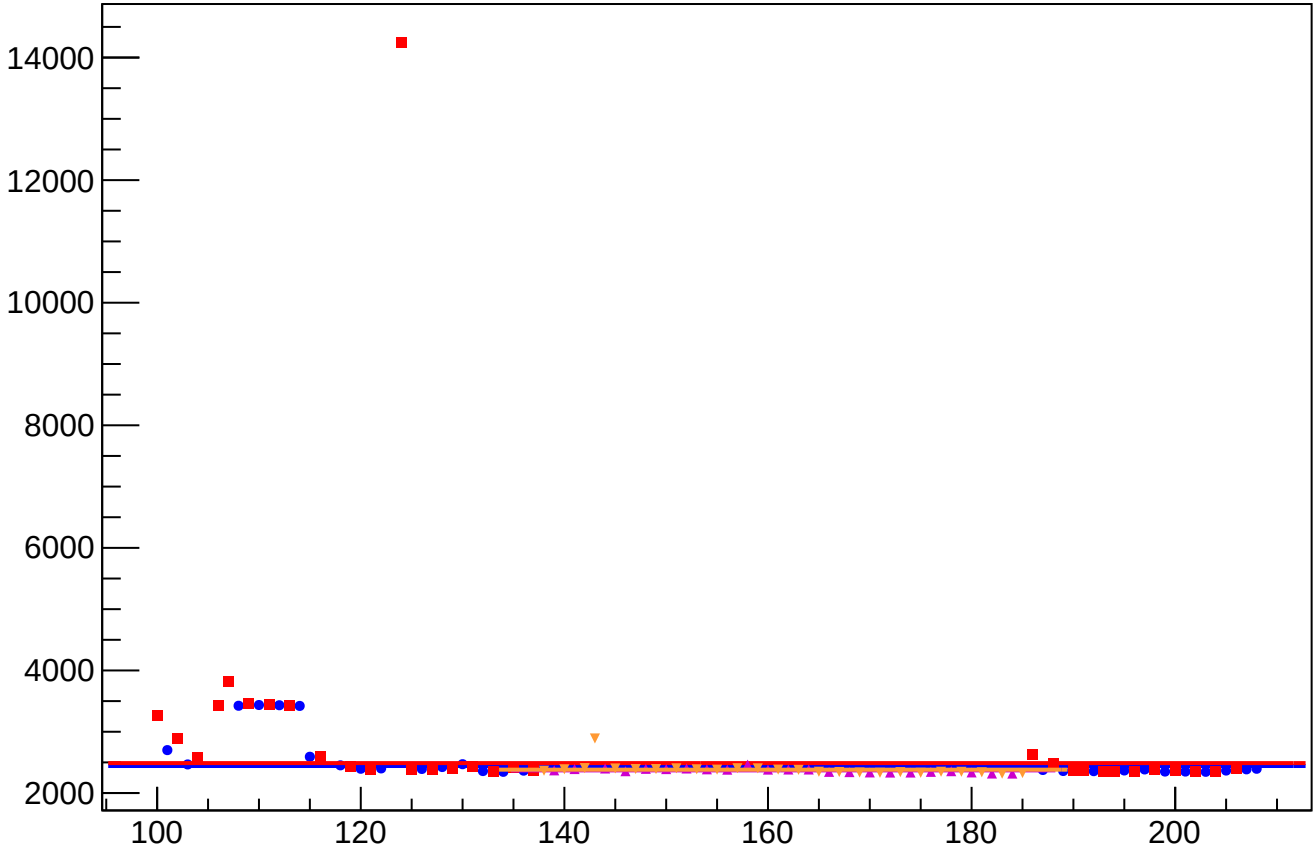
Right: 1686.067+/-436.677 χ^2/NDF: 52.3/57

In: 1842.306+/-411.524 χ^2/NDF:43.5/49

Out: 1307.100+/-407.590 χ^2/NDF:56.8/55

All: 1572.133+/-289.591 χ^2/NDF: 101.1/105

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.2/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.504+/-0.438 χ^2/NDF: 633512.6/30

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

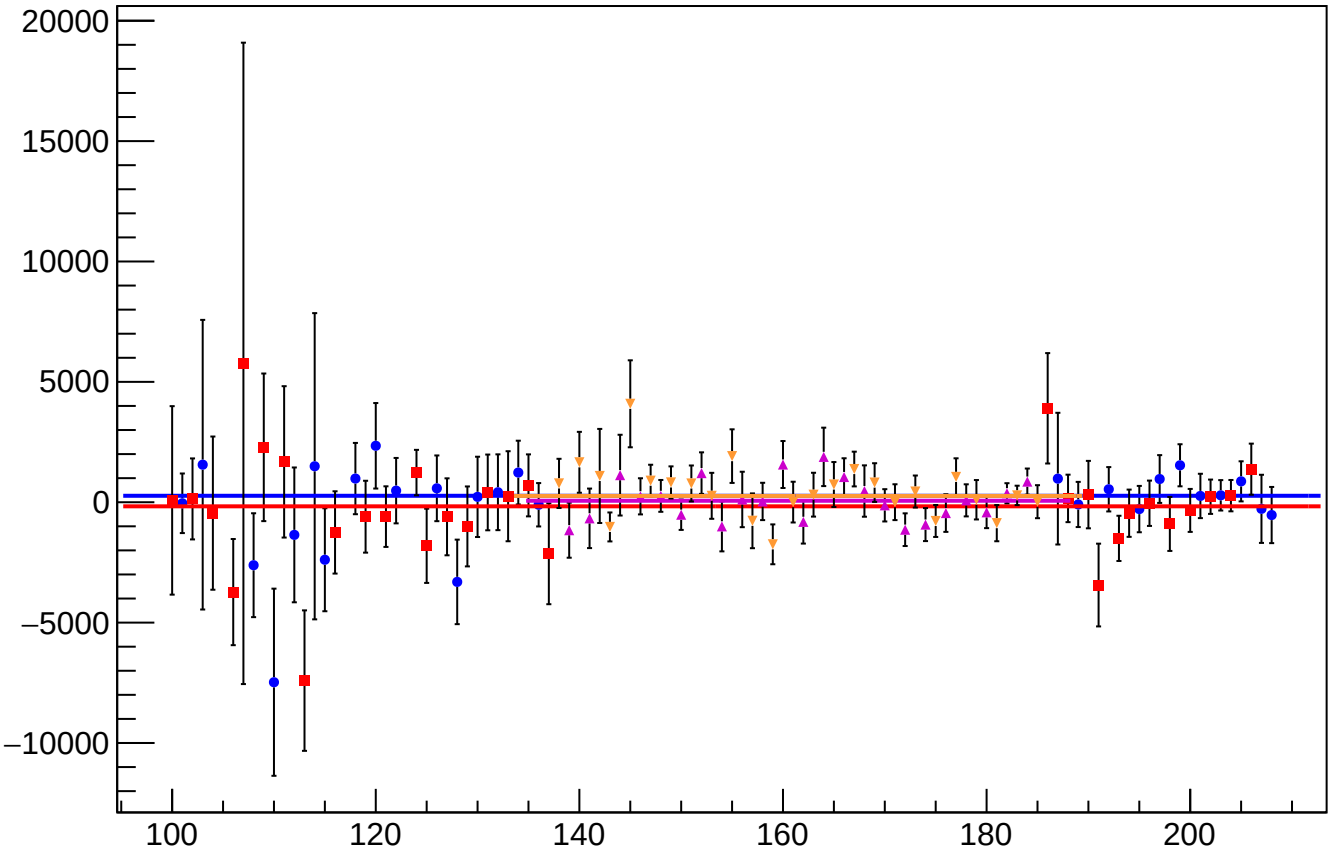
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2464.633+/-0.309 χ^2/NDF: 906311.2/57

In: 2401.398+/-0.291 χ^2/NDF:288917.4/49

Out: 2427.682+/-0.288 χ^2/NDF:725145.3/55

All: 2414.666+/-0.205 χ^2/NDF: 1018181.3/10



Right In: 268.338+/-233.820 χ^2/NDF: 18.7/26

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -169.929+/-229.853 χ^2/NDF: 28.3/30

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

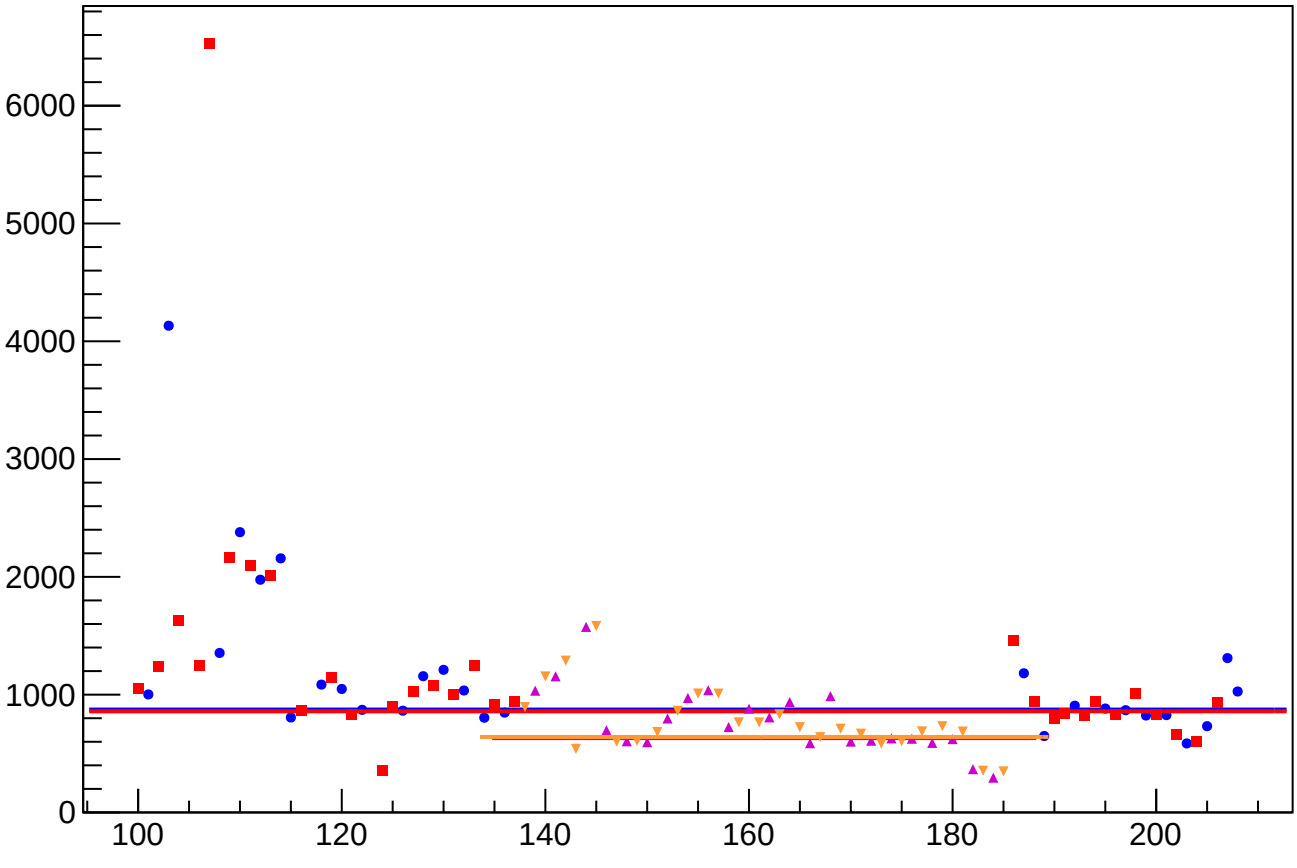
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: 45.455+/-163.915 χ^2/NDF: 48.7/57

In: 126.314+/-130.568 χ^2/NDF:41.2/49

Out: 128.085+/-127.944 χ^2/NDF:61.8/55

All: 127.217+/-91.384 χ^2/NDF: 103.0/105



Right In: 873.504+/-0.165 χ^2/NDF: 2475732.0/26

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 858.442+/-0.163 χ^2/NDF: 3133378.6/30

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

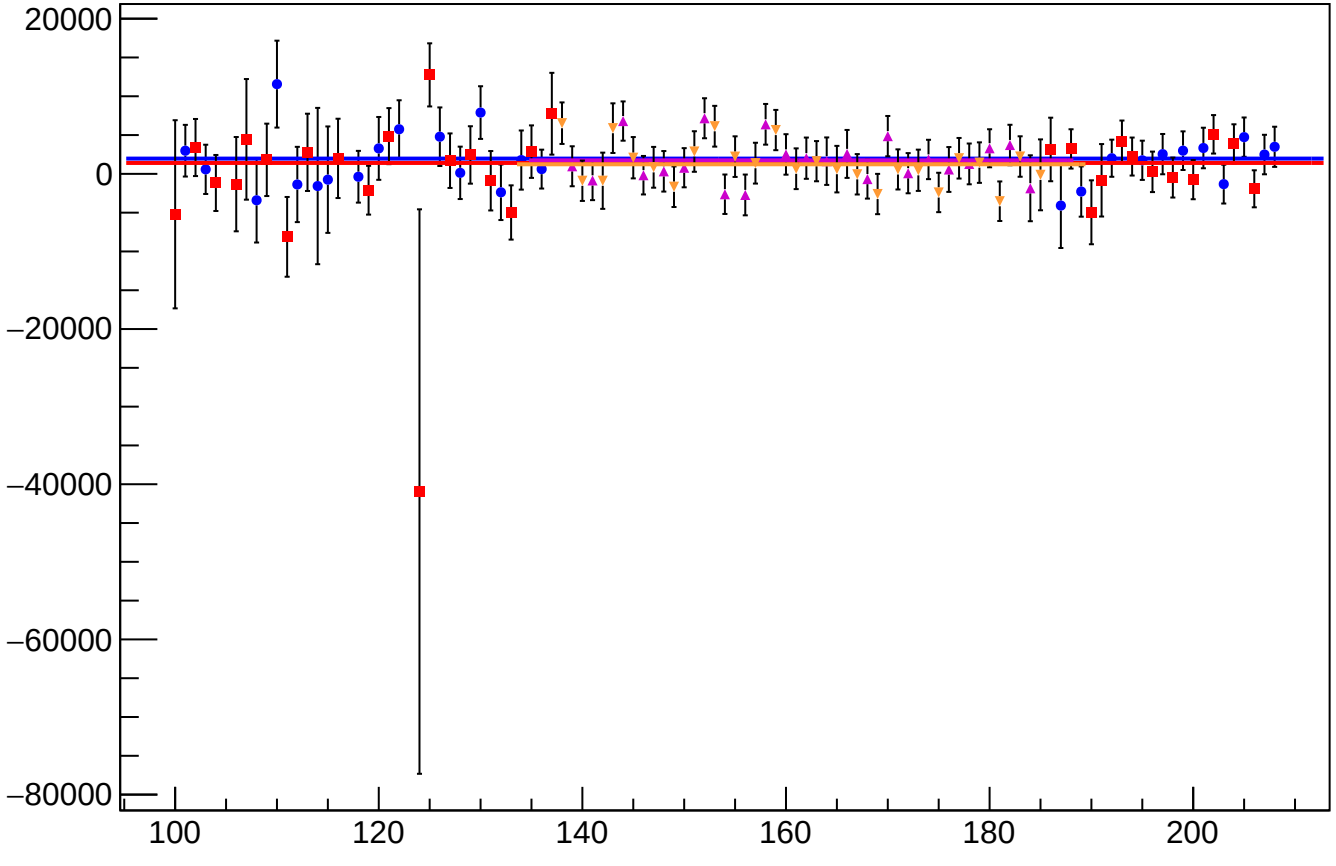
Right: 865.844+/-0.116 χ^2/NDF: 5613330.8/57

In: 706.755+/-0.092 χ^2/NDF:7929229.8/49

Out: 708.481+/-0.090 χ^2/NDF:7841742.8/55

All: 707.636+/-0.065 χ^2/NDF: 15771150.8/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1405.712+/-619.492 χ^2/NDF: 32.8/30

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

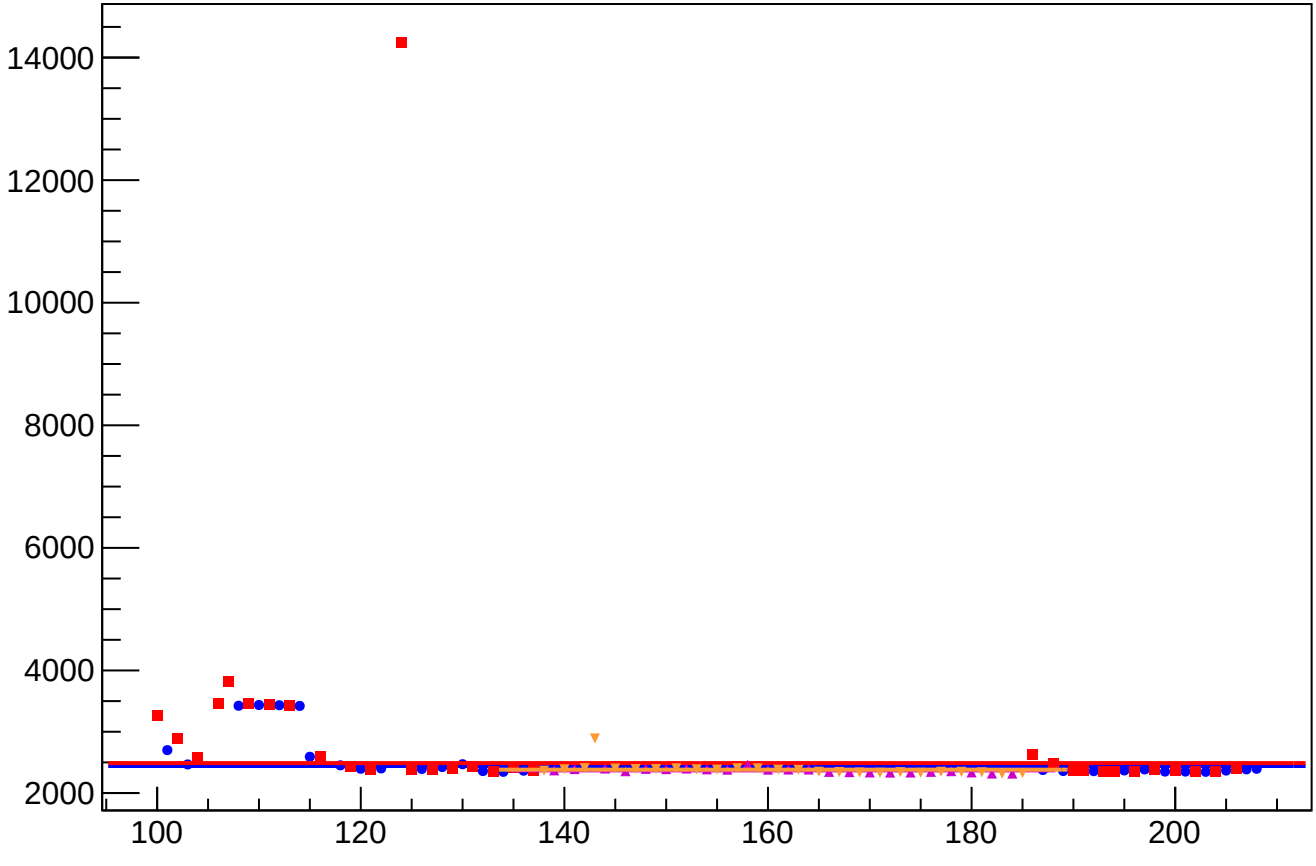
Right: 1688.134+/-436.703 χ^2/NDF: 52.2/57

In: 1842.446+/-411.524 χ^2/NDF:43.5/49

Out: 1308.740+/-407.612 χ^2/NDF:56.7/55

All: 1573.044+/-289.598 χ^2/NDF: 101.0/105

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

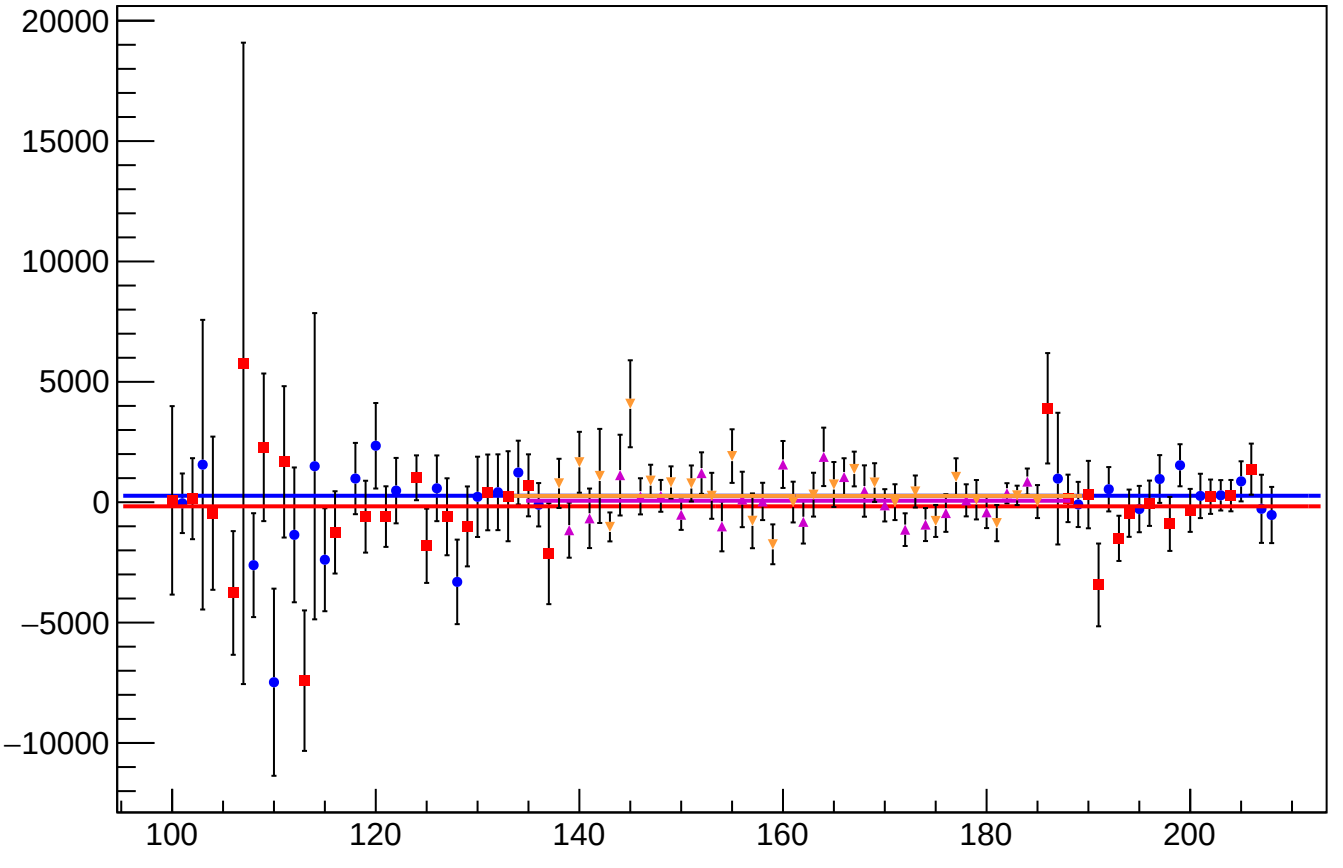
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2464.721+/-0.309 χ^2/NDF: 909266.9/57

In: 2401.398+/-0.291 χ^2/NDF:288917.4/49

Out: 2427.755+/-0.288 χ^2/NDF:728167.1/55

All: 2414.702+/-0.205 χ^2/NDF: 1021225.7/10



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -170.801+/-230.001 χ^2/NDF: 27.0/30

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

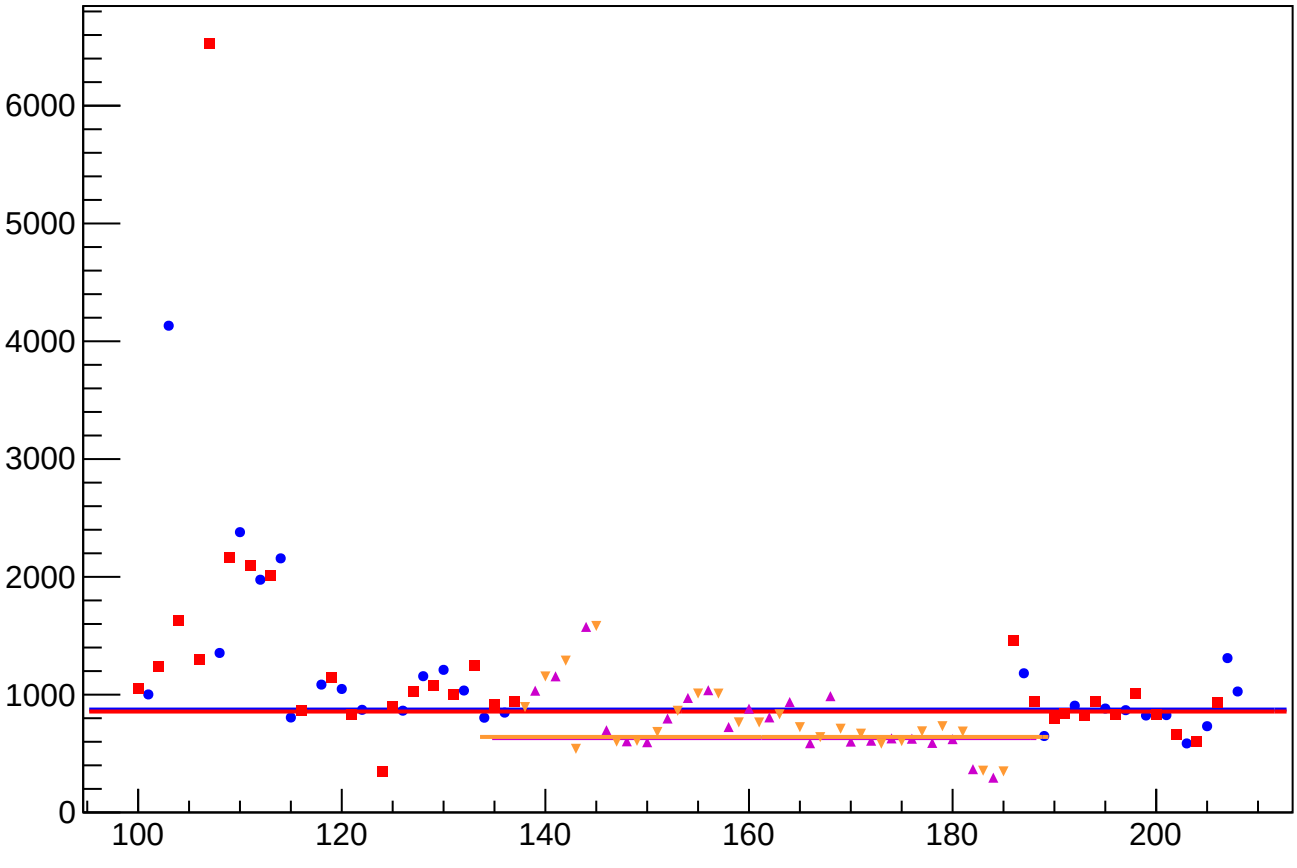
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 45.113+/-163.968 χ^2/NDF: 47.5/57

In: 126.299+/-130.568 χ^2/NDF:41.2/49

Out: 128.126+/-127.971 χ^2/NDF:60.6/55

All: 127.231+/-91.393 χ^2/NDF: 101.8/105



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

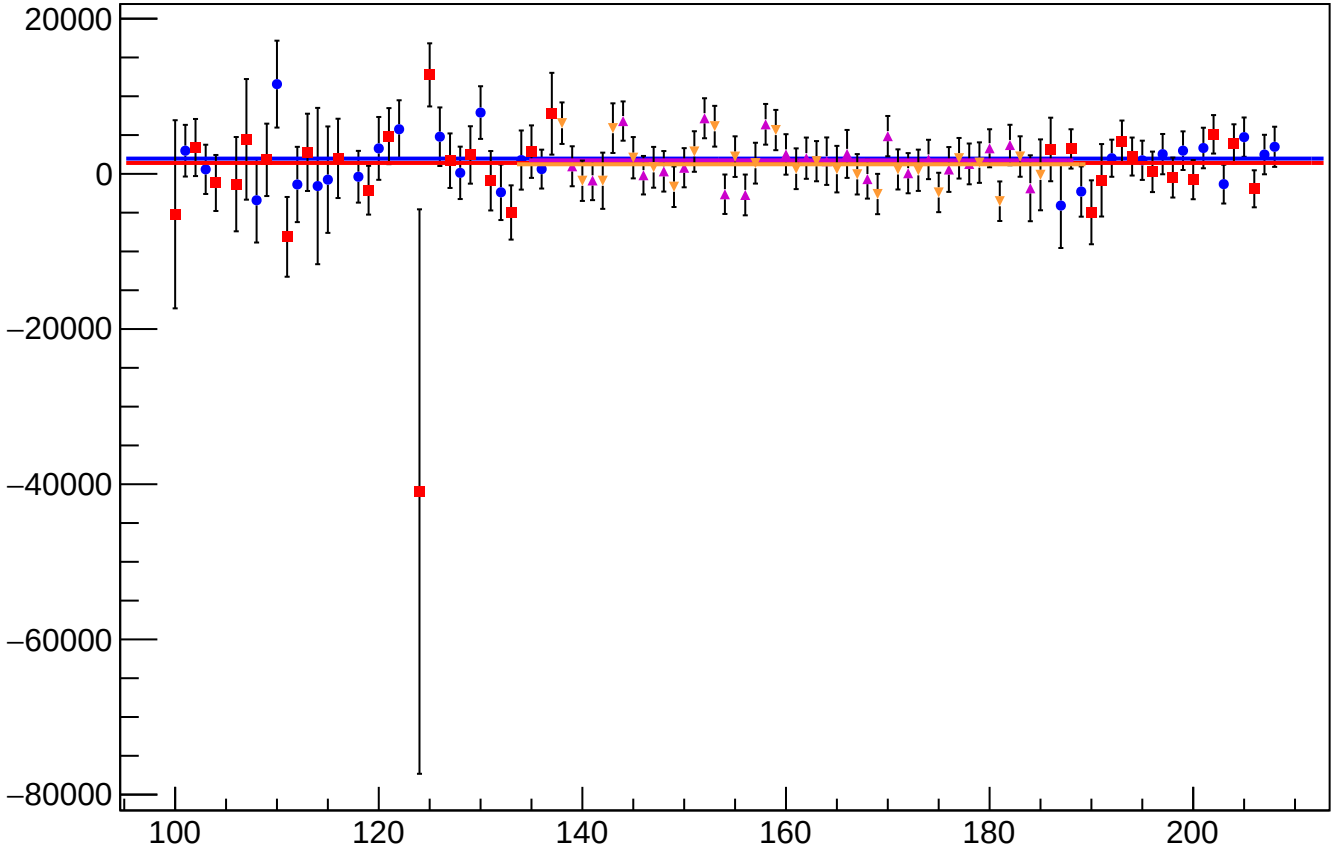
Right: 864.931+/-0.116 χ^2/NDF: 5635805.1/57

In: 706.753+/-0.092 χ^2/NDF:7929378.5/49

Out: 707.873+/-0.090 χ^2/NDF:7841234.3/55

All: 707.324+/-0.065 χ^2/NDF: 15770687.9/10

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1405.712+/-619.492 χ^2/NDF: 32.8/30

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

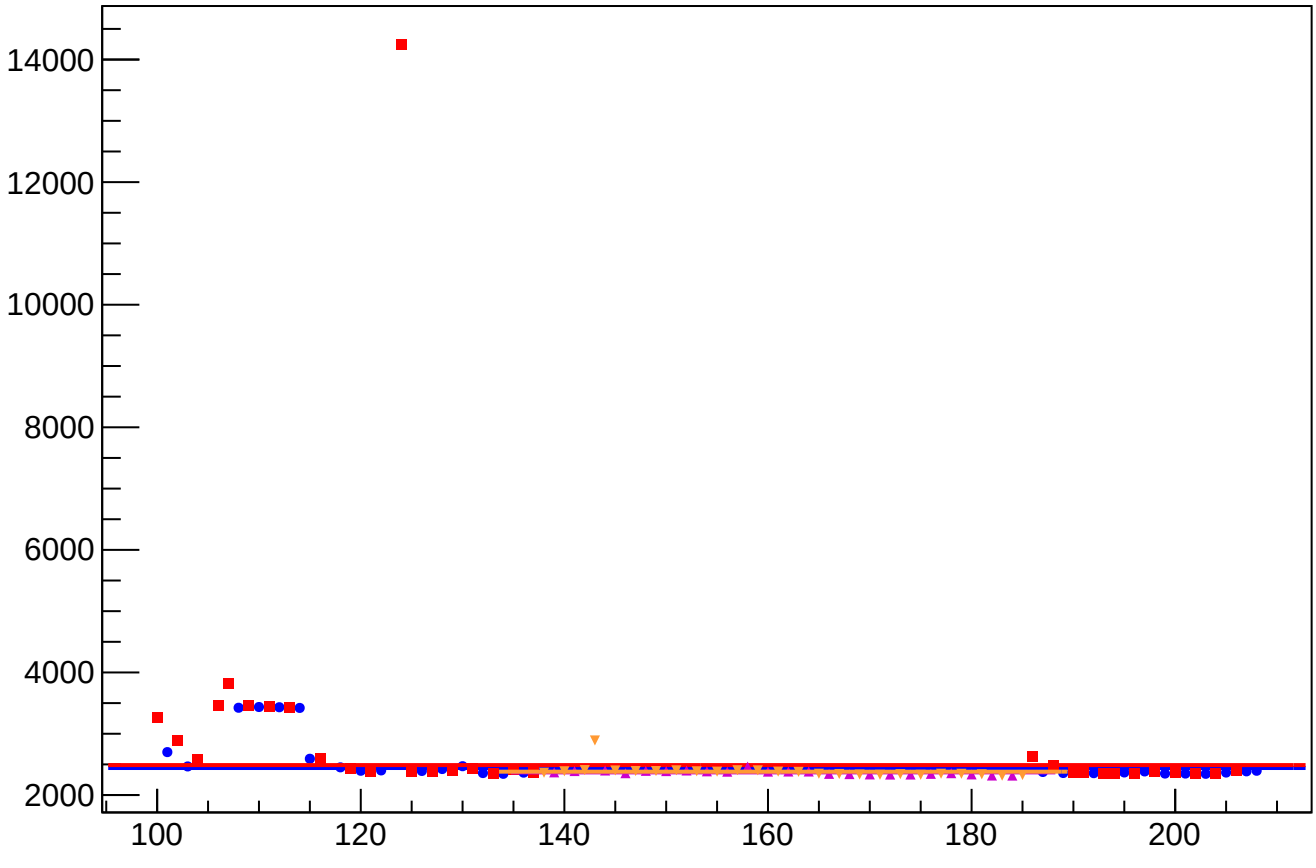
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

Right: 1688.134+/-436.703 χ^2/NDF: 52.2/57

In: 1842.446+/-411.524 χ^2/NDF:43.5/49

Out: 1308.740+/-407.612 χ^2/NDF:56.7/55

All: 1573.044+/-289.598 χ^2/NDF: 101.0/105



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

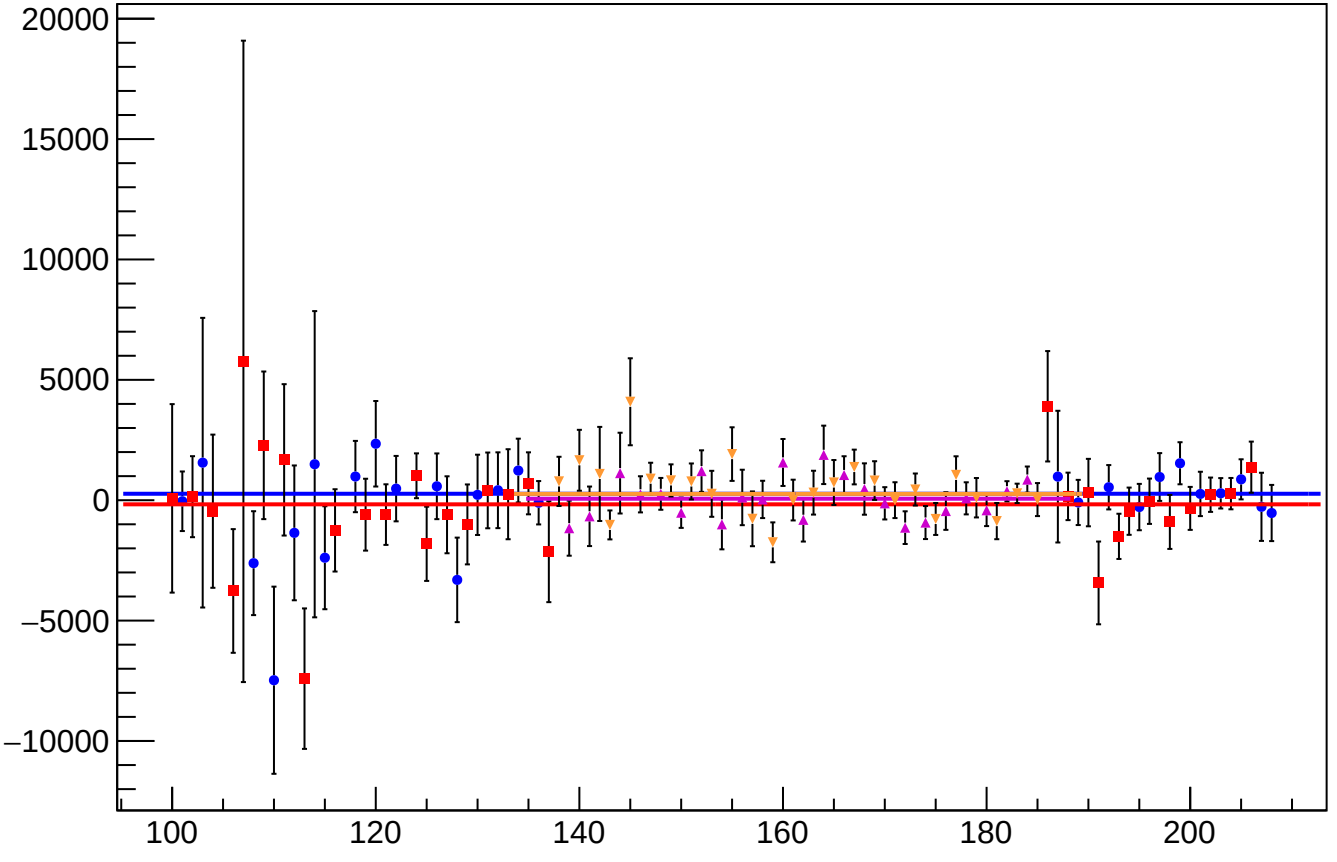
Right: 2464.721+/-0.309 χ^2/NDF: 909266.9/57

In: 2401.398+/-0.291 χ^2/NDF:288917.4/49

Out: 2427.755+/-0.288 χ^2/NDF:728167.1/55

All: 2414.702+/-0.205 χ^2/NDF: 1021225.7/10

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -170.801+/-230.001 χ^2/NDF: 27.0/30

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

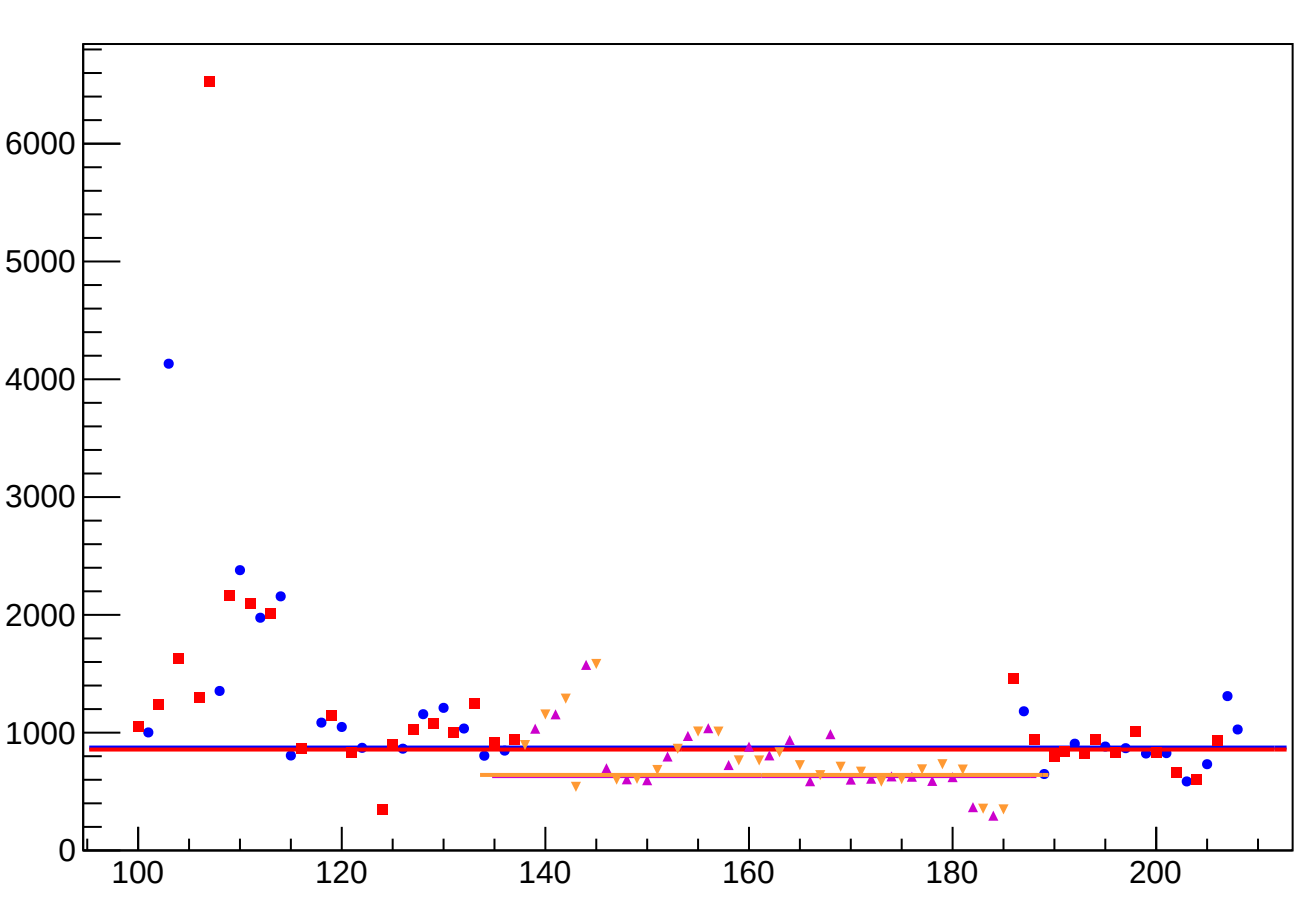
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 45.113+/-163.968 χ^2/NDF: 47.5/57

In: 126.299+/-130.568 χ^2/NDF:41.2/49

Out: 128.126+/-127.971 χ^2/NDF:60.6/55

All: 127.231+/-91.393 χ^2/NDF: 101.8/105



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

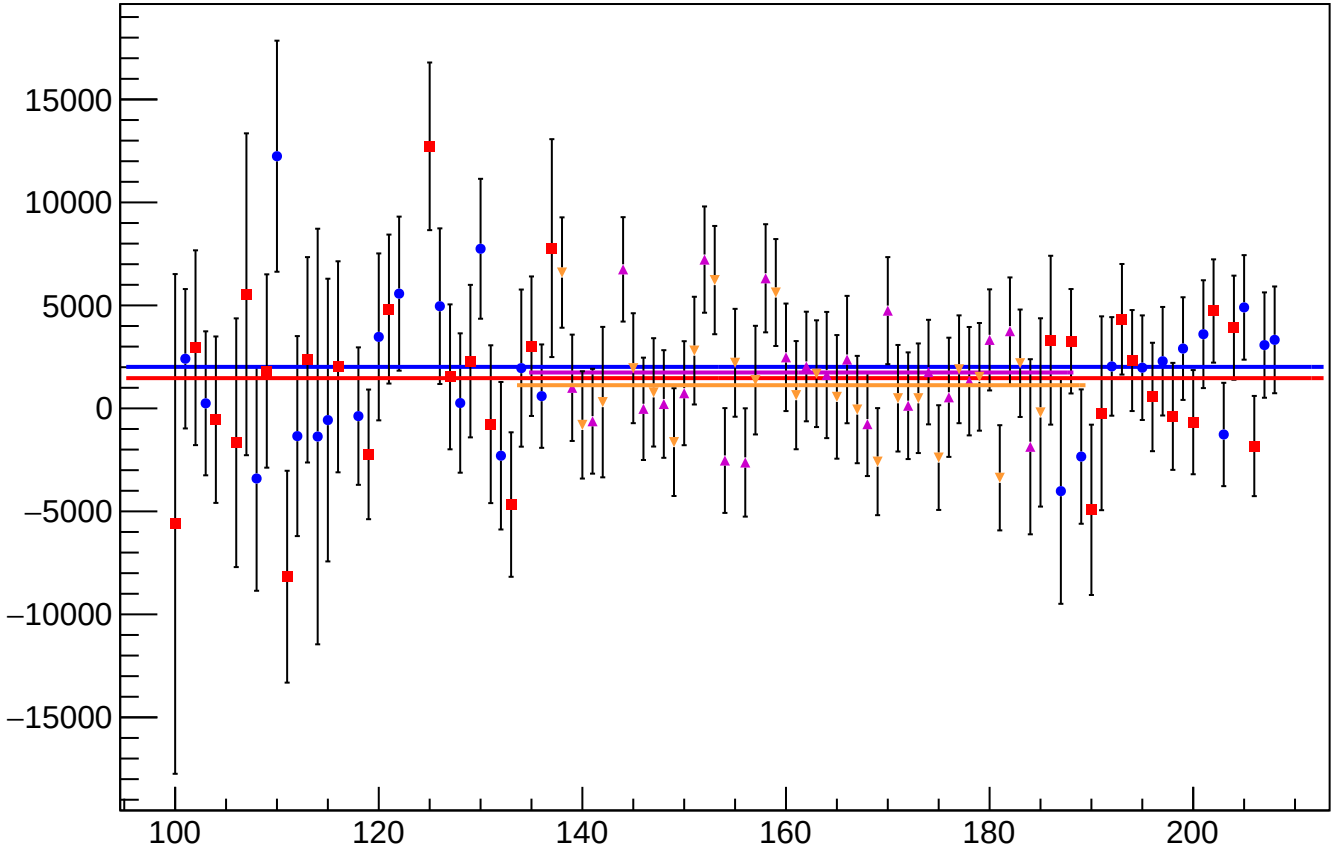
Right: 864.931+/-0.116 χ^2/NDF: 5635805.1/57

In: 706.753+/-0.092 χ^2/NDF:7929378.5/49

Out: 707.873+/-0.090 χ^2/NDF:7841234.3/55

All: 707.324+/-0.065 χ^2/NDF: 15770687.9/10

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2015.159+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1468.648+/-627.517 χ^2/NDF: 30.1/29

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

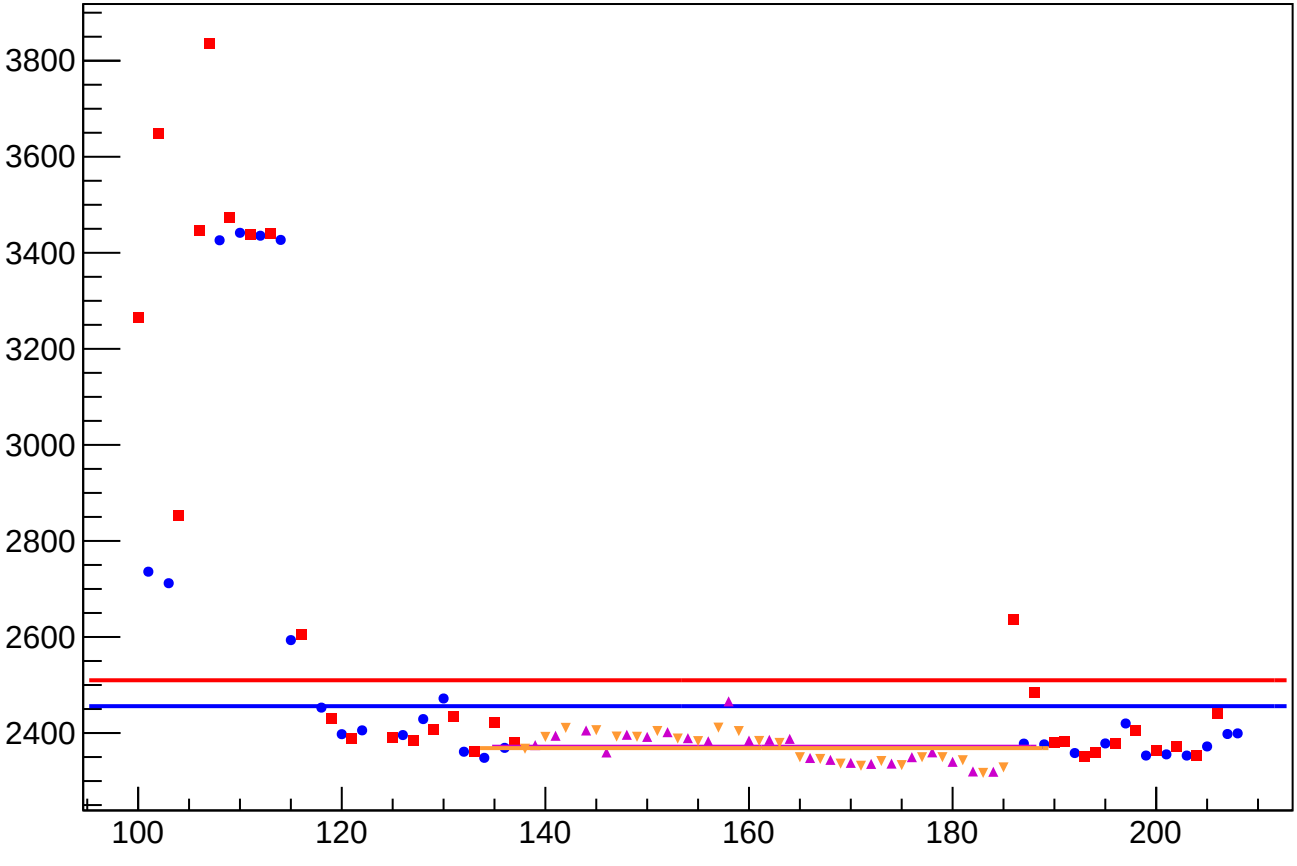
Right: 1745.325+/-440.935 χ^2/NDF: 49.7/56

In: 1863.444+/-412.920 χ^2/NDF:43.2/49

Out: 1274.566+/-413.545 χ^2/NDF:51.4/53

All: 1569.451+/-292.199 χ^2/NDF: 95.6/103

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2455.930+/-0.438 χ^2/NDF: 278208.2/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530441.8/29

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

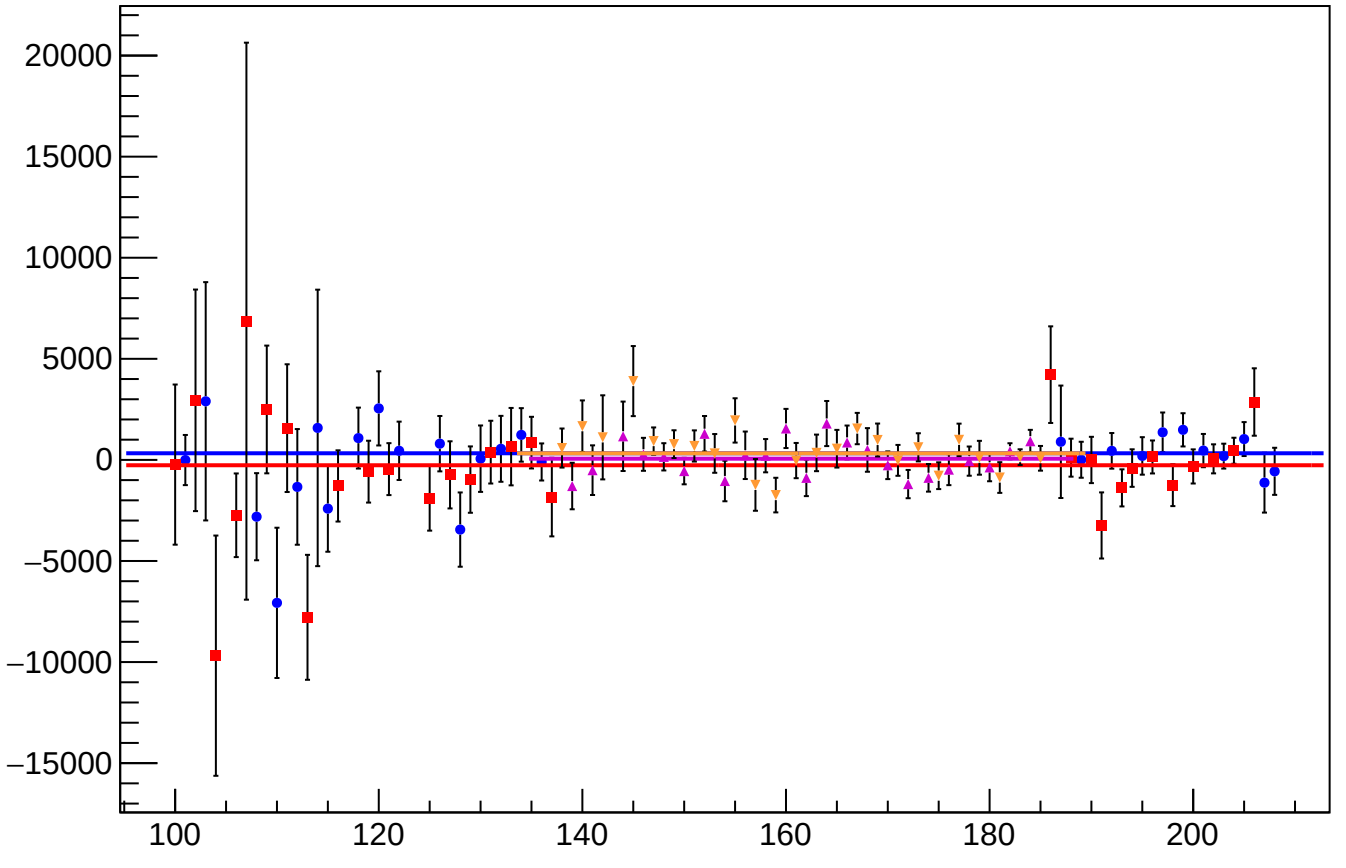
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2482.563+/-0.312 χ^2/NDF: 816131.5/56

In: 2408.995+/-0.292 χ^2/NDF:305894.5/49

Out: 2429.937+/-0.292 χ^2/NDF:593379.6/53

All: 2419.450+/-0.207 χ^2/NDF: 901842.5/103



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -264.735+/-235.273 χ^2/NDF: 29.8/29

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

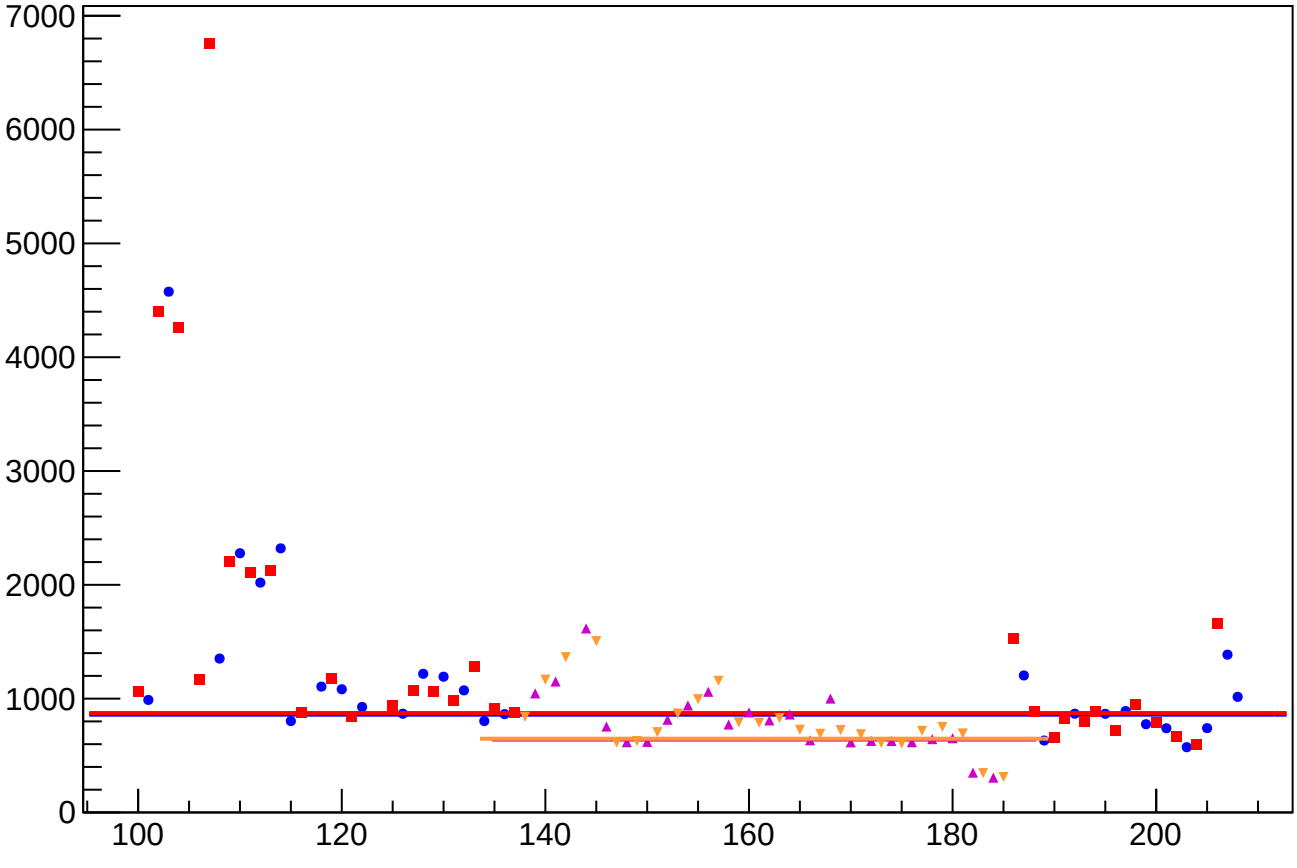
Right: 39.008+/-164.302 χ^2/NDF: 53.9/56

In: 147.178+/-131.078 χ^2/NDF:44.4/49

Out: 139.095+/-132.328 χ^2/NDF:60.9/53

All: 143.175+/-93.125 χ^2/NDF: 105.3/103

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 859.231+/-0.162 χ^2/NDF: 2906946.6/26

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 873.559+/-0.166 χ^2/NDF: 4442068.4/29

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

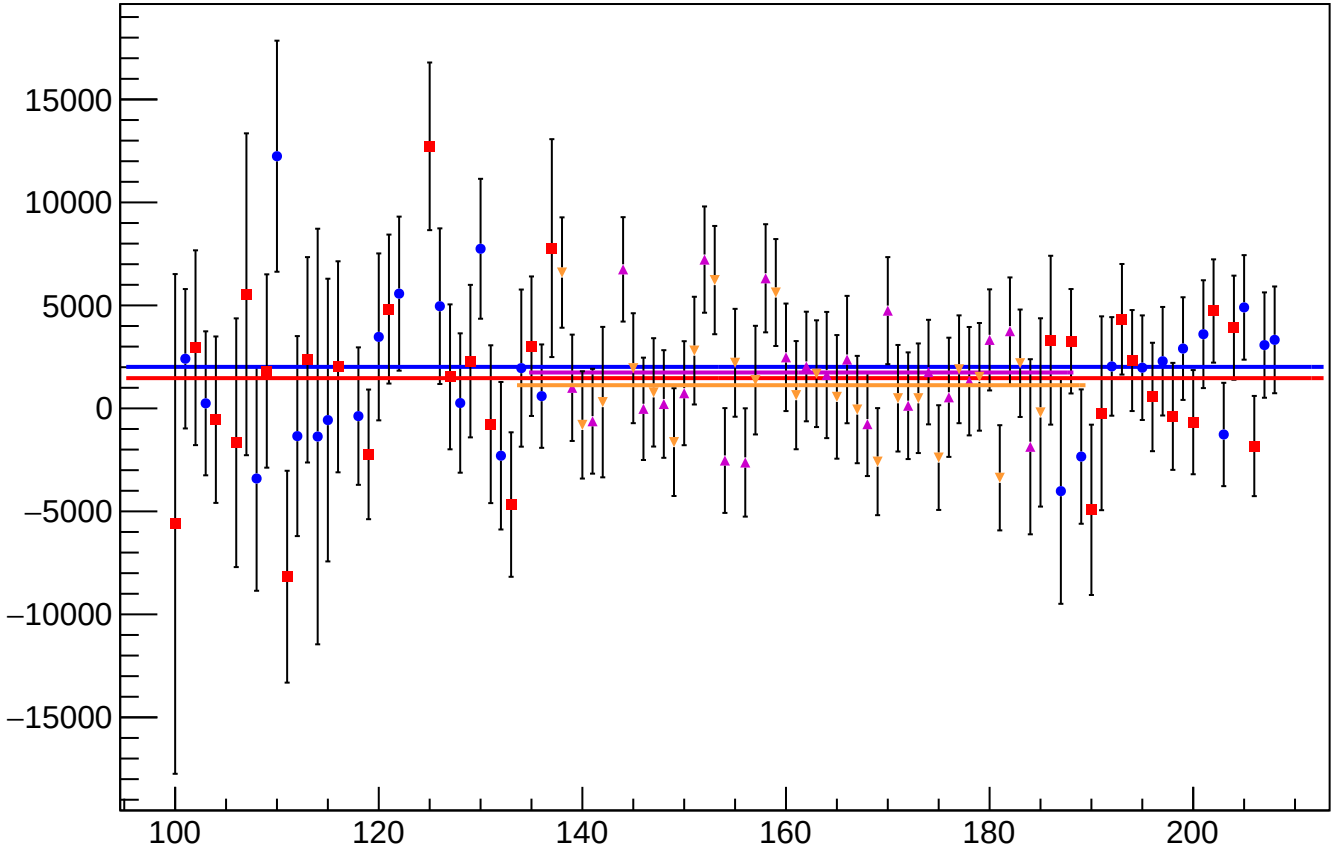
Right: 866.218+/-0.116 χ^2/NDF: 7352815.2/56

In: 711.768+/-0.093 χ^2/NDF:8260389.9/49

Out: 719.422+/-0.094 χ^2/NDF:9584674.2/53

All: 715.559+/-0.066 χ^2/NDF: 17848441.5/10

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2015.156+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1468.648+/-627.517 χ^2/NDF: 30.1/29

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

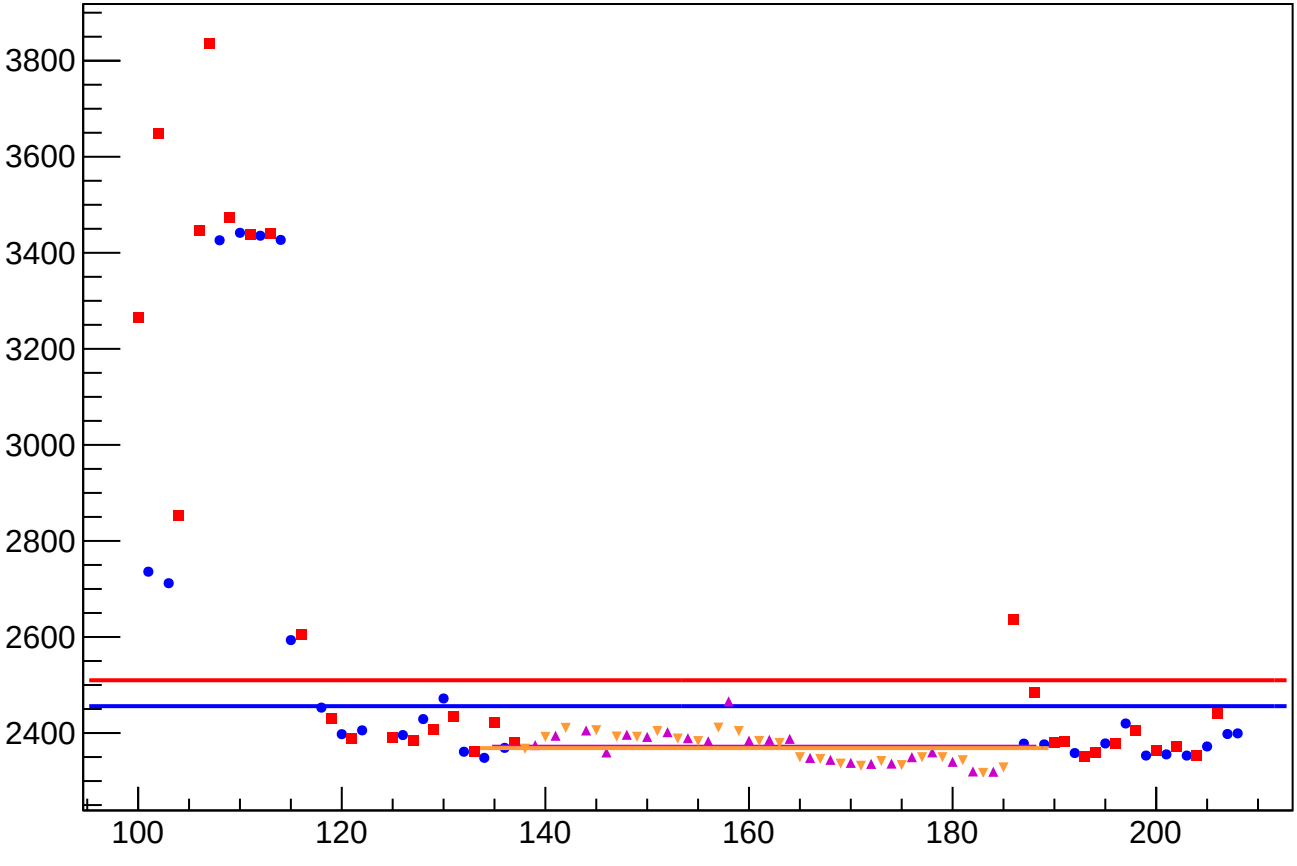
Right: 1745.323+/-440.935 χ^2/NDF: 49.7/56

In: 1863.443+/-412.920 χ^2/NDF:43.2/49

Out: 1274.566+/-413.545 χ^2/NDF:51.4/53

All: 1569.450+/-292.199 χ^2/NDF: 95.6/103

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2455.930+/-0.438 χ^2/NDF: 278207.7/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530440.9/29

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

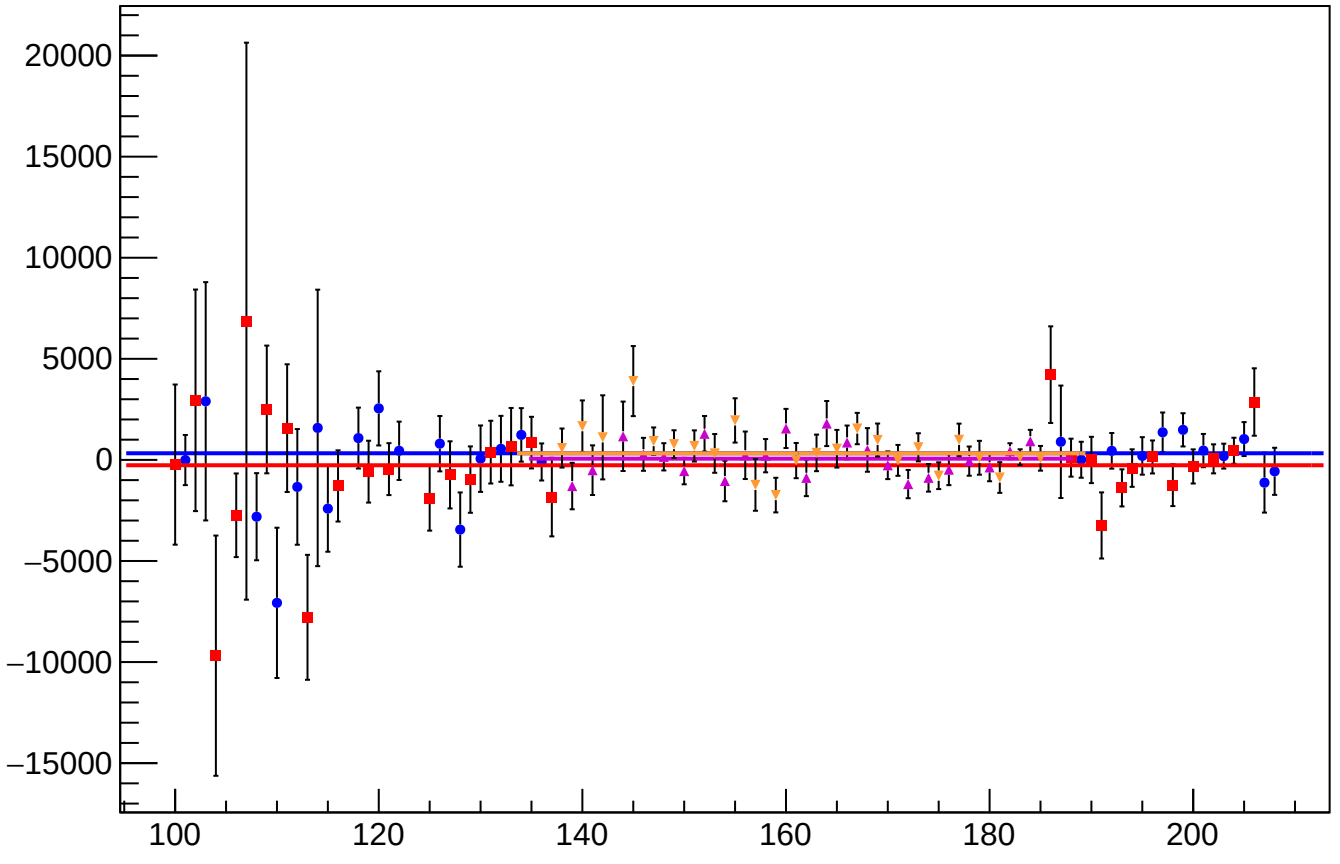
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2482.563+/-0.312 χ^2/NDF: 816130.1/56

In: 2408.995+/-0.292 χ^2/NDF:305894.0/49

Out: 2429.937+/-0.292 χ^2/NDF:593378.6/53

All: 2419.450+/-0.207 χ^2/NDF: 901841.0/103



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -264.736+/-235.273 χ^2/NDF: 29.8/29

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

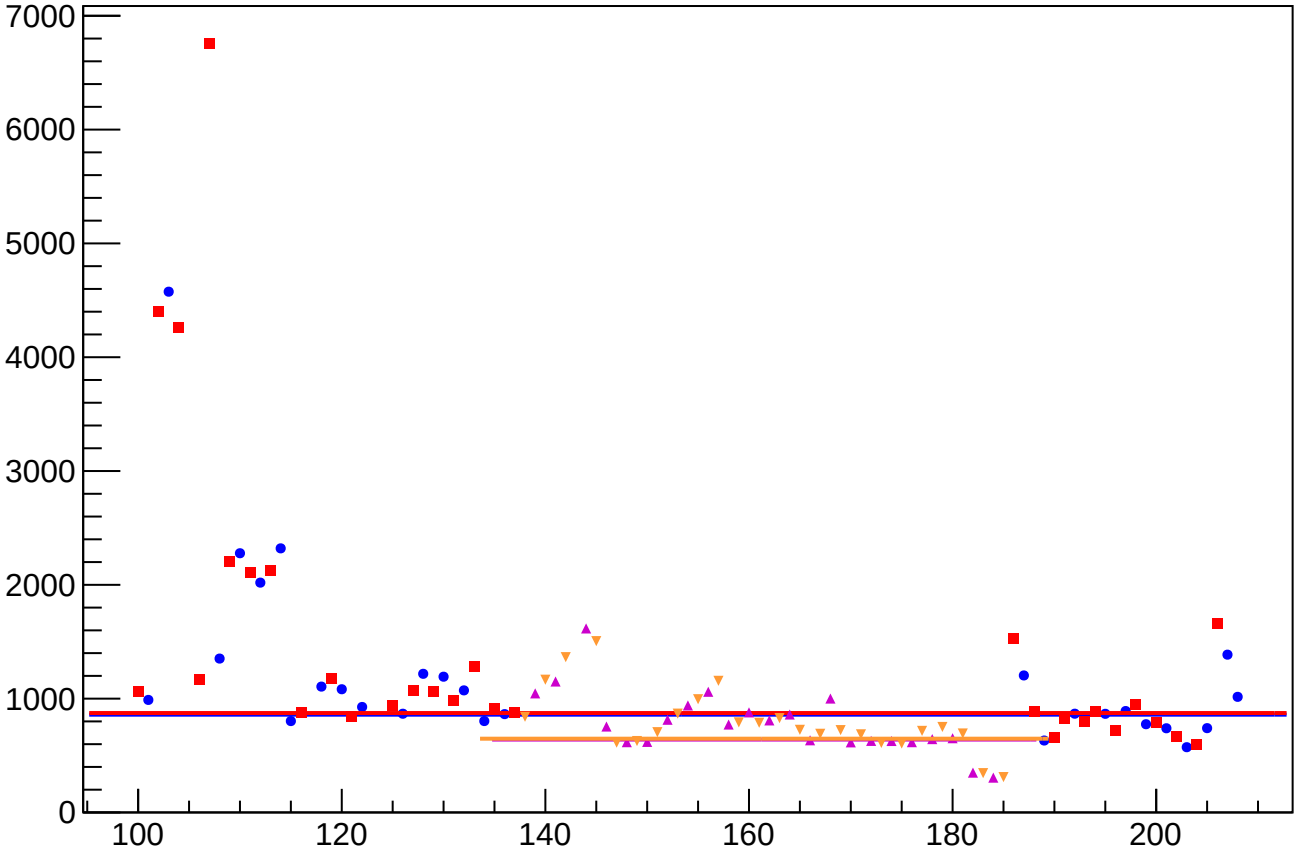
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: 39.007+/-164.302 χ^2/NDF: 53.9/56

In: 147.178+/-131.078 χ^2/NDF:44.4/49

Out: 139.094+/-132.328 χ^2/NDF:60.9/53

All: 143.175+/-93.125 χ^2/NDF: 105.3/103



Right In: 859.230+/-0.162 χ^2/NDF: 2906948.8/26

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 873.559+/-0.166 χ^2/NDF: 4442072.7/29

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

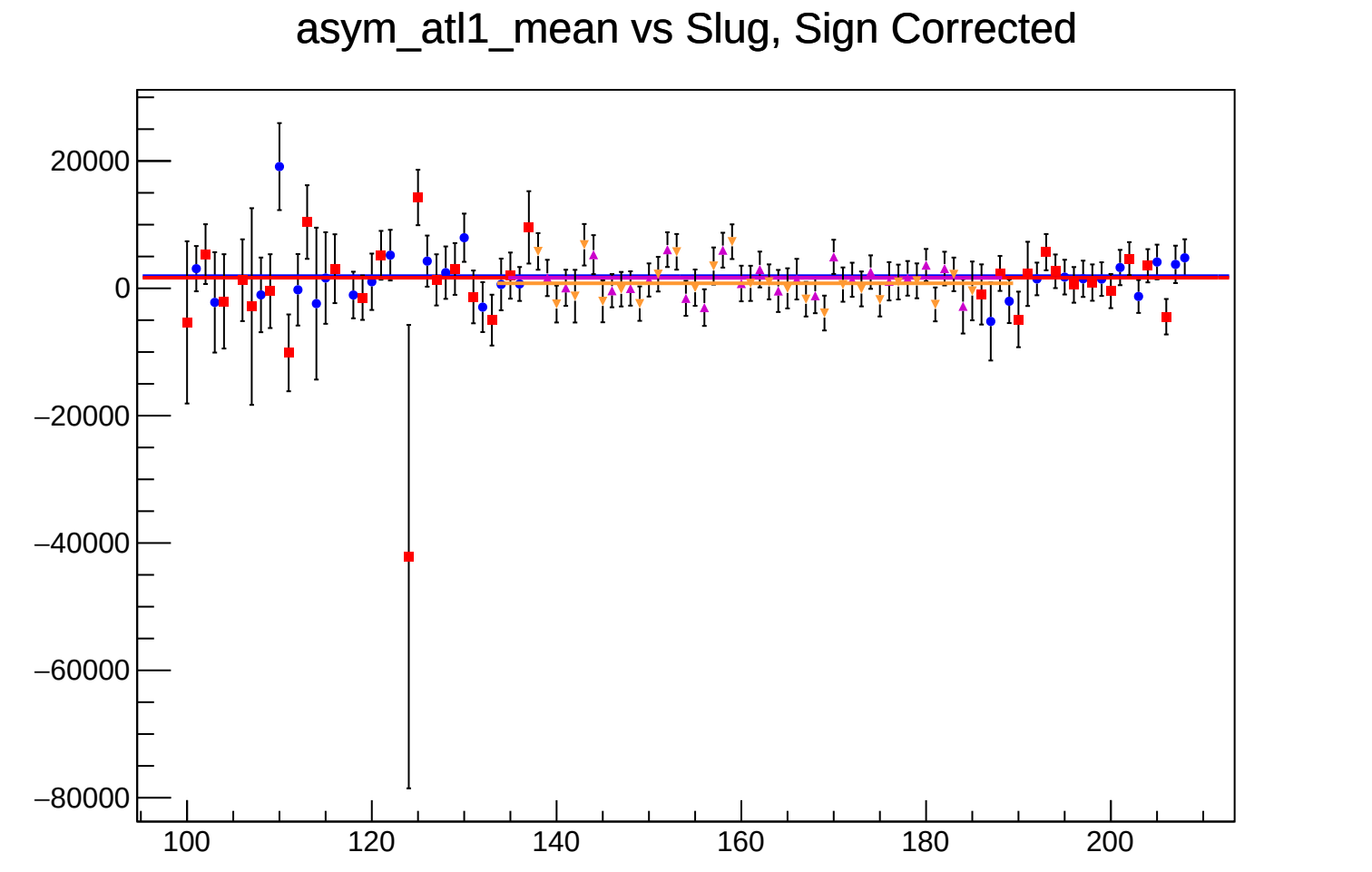
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 866.218+/-0.116 χ^2/NDF: 7352821.8/56

In: 711.769+/-0.093 χ^2/NDF:8260392.7/49

Out: 719.423+/-0.094 χ^2/NDF:9584675.1/53

All: 715.560+/-0.066 χ^2/NDF: 17848445.3/10



Right In: 1912.776+/-680.096 χ^2/NDF: 19.9/26

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1664.306+/-686.290 χ^2/NDF: 36.7/30

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

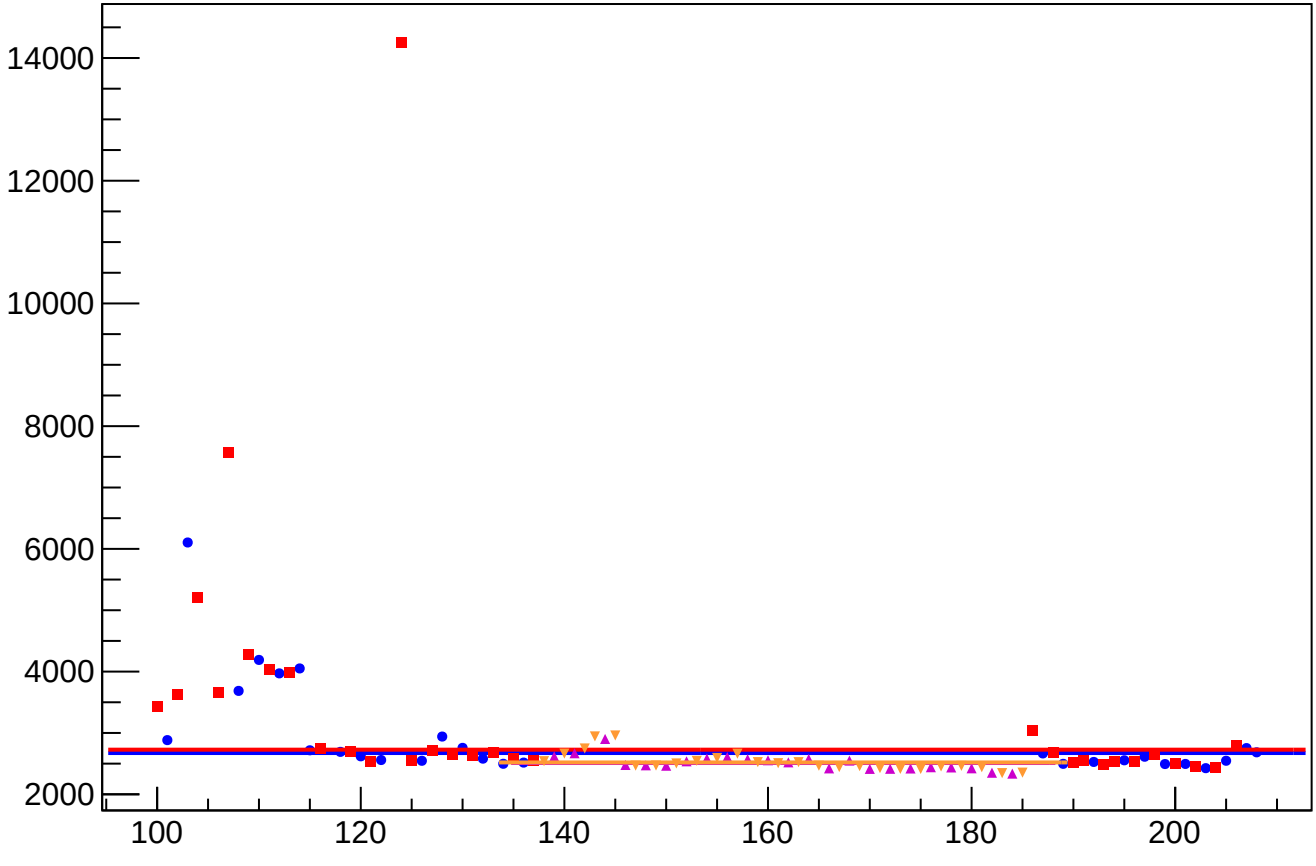
Right: 1789.667+/-483.075 χ^2/NDF: 56.8/57

In: 1764.786+/-444.269 χ^2/NDF:37.4/49

Out: 1150.173+/-439.967 χ^2/NDF:64.8/55

All: 1454.489+/-312.613 χ^2/NDF: 103.1/105

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2672.779+/-0.481 χ^2/NDF: 761213.7/26

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2727.469+/-0.485 χ^2/NDF: 1204787.2/30

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

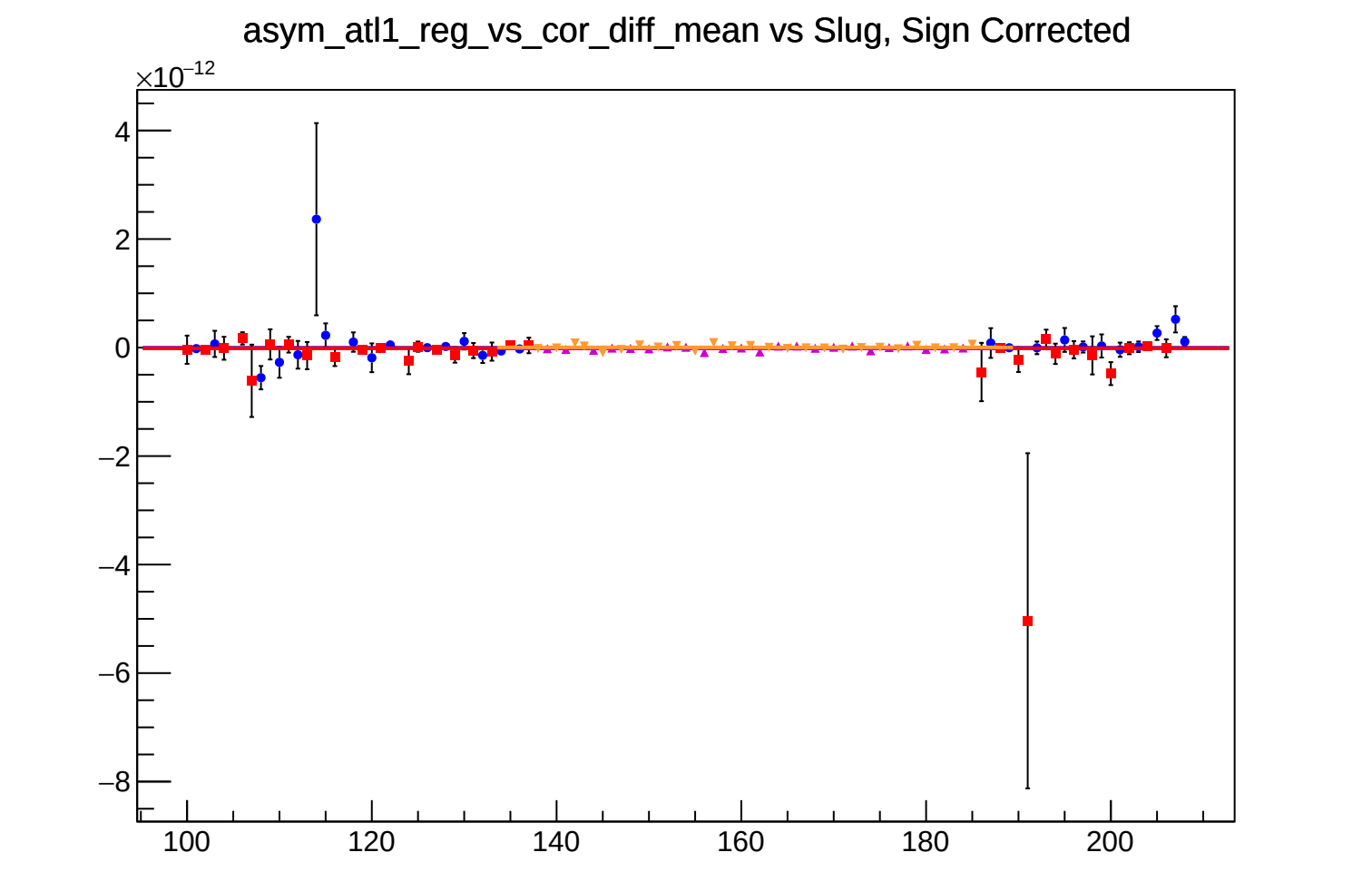
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2699.876+/-0.342 χ^2/NDF: 1972408.8/57

In: 2579.552+/-0.314 χ^2/NDF:900541.6/49

Out: 2604.981+/-0.311 χ^2/NDF:1428153.6/55

All: 2592.390+/-0.221 χ^2/NDF: 2332003.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/30

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

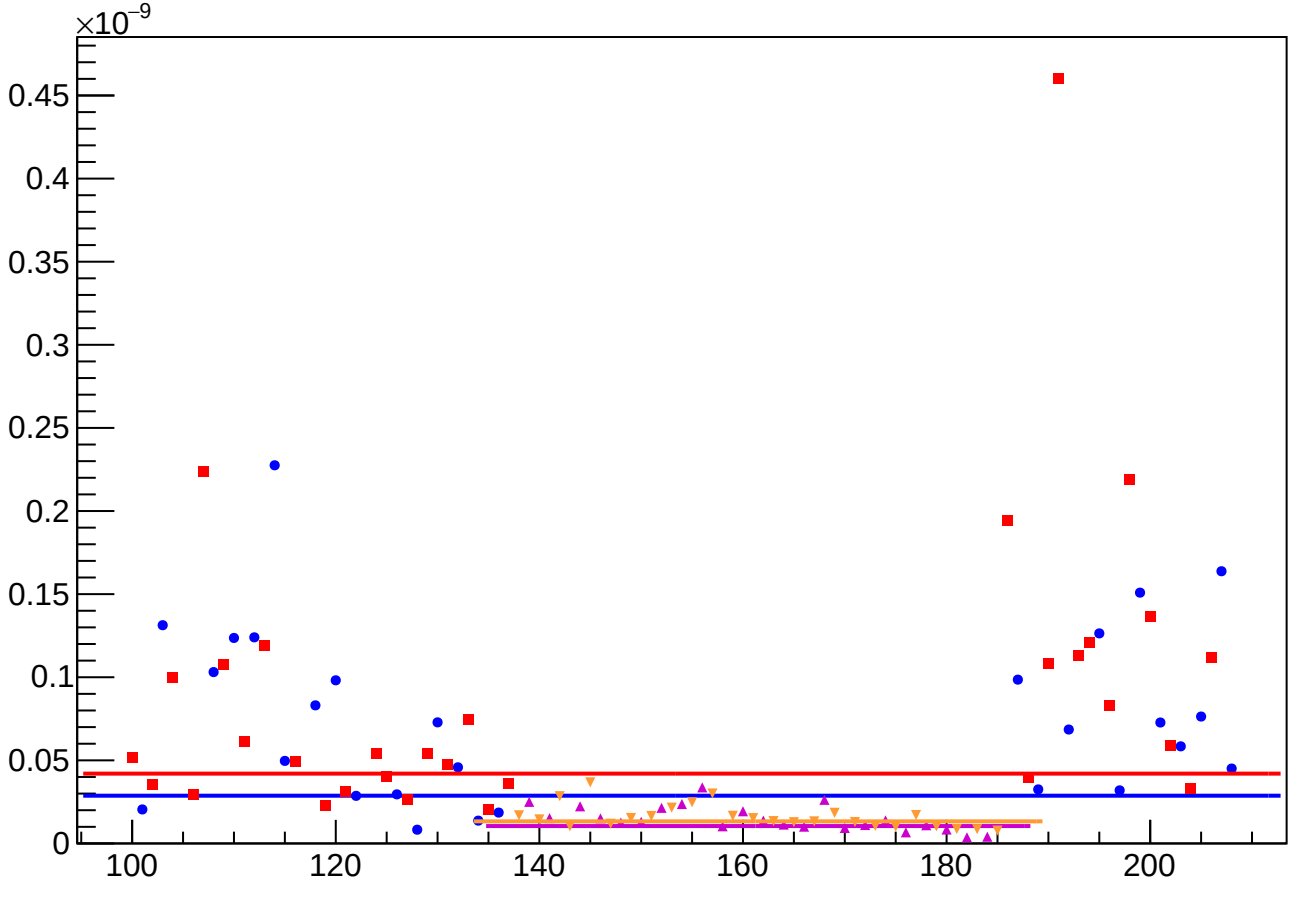
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/57

In: -0.000+/-0.000 χ^2/NDF:60.4/49

Out: 0.000+/-0.000 χ^2/NDF:48.5/55

All: -0.000+/-0.000 χ^2/NDF: 113.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 5446245.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3948845.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

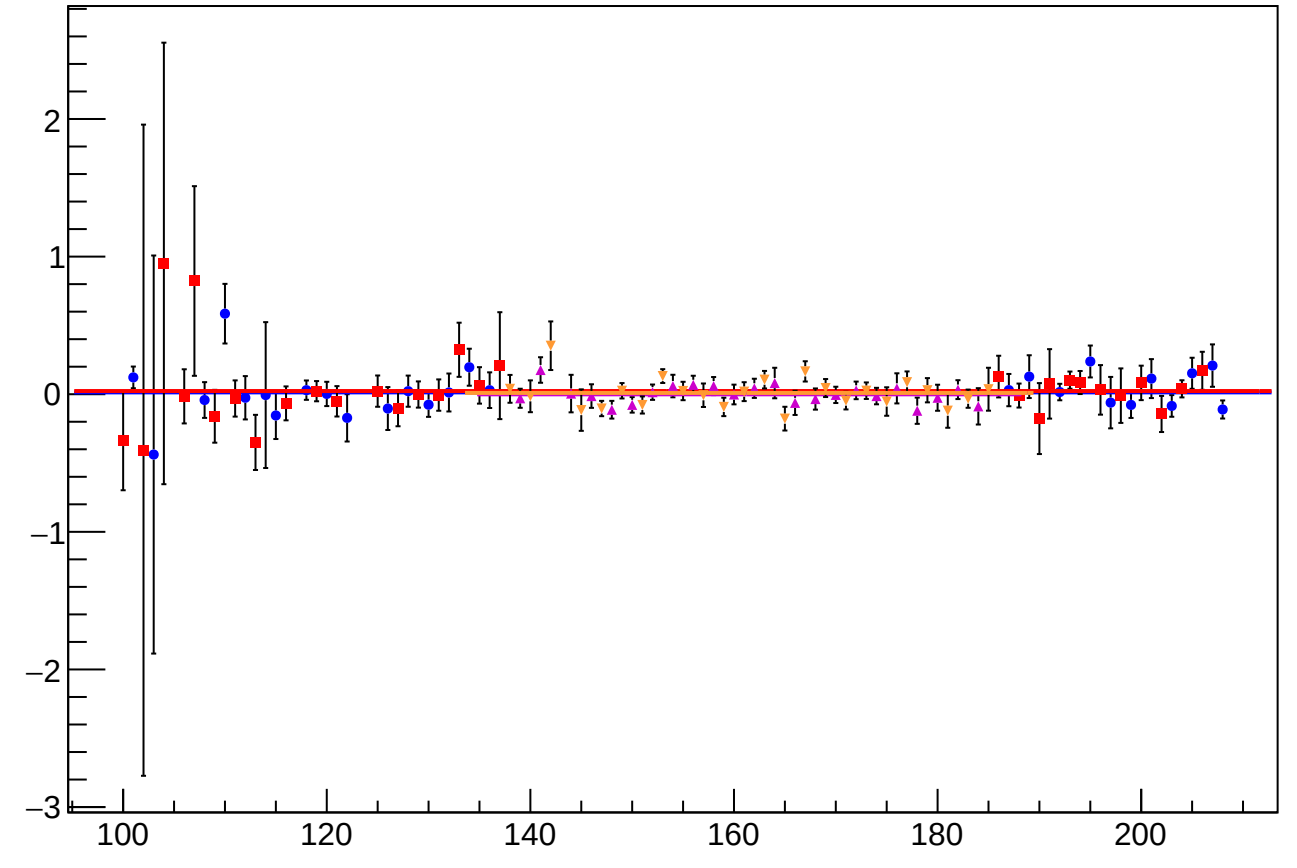
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9945473.7/57

In: 0.000+/-0.000 χ^2/NDF:10811883.3/49

Out: 0.000+/-0.000 χ^2/NDF:9252684.0/55

All: 0.000+/-0.000 χ^2/NDF: 20467092.7/105



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

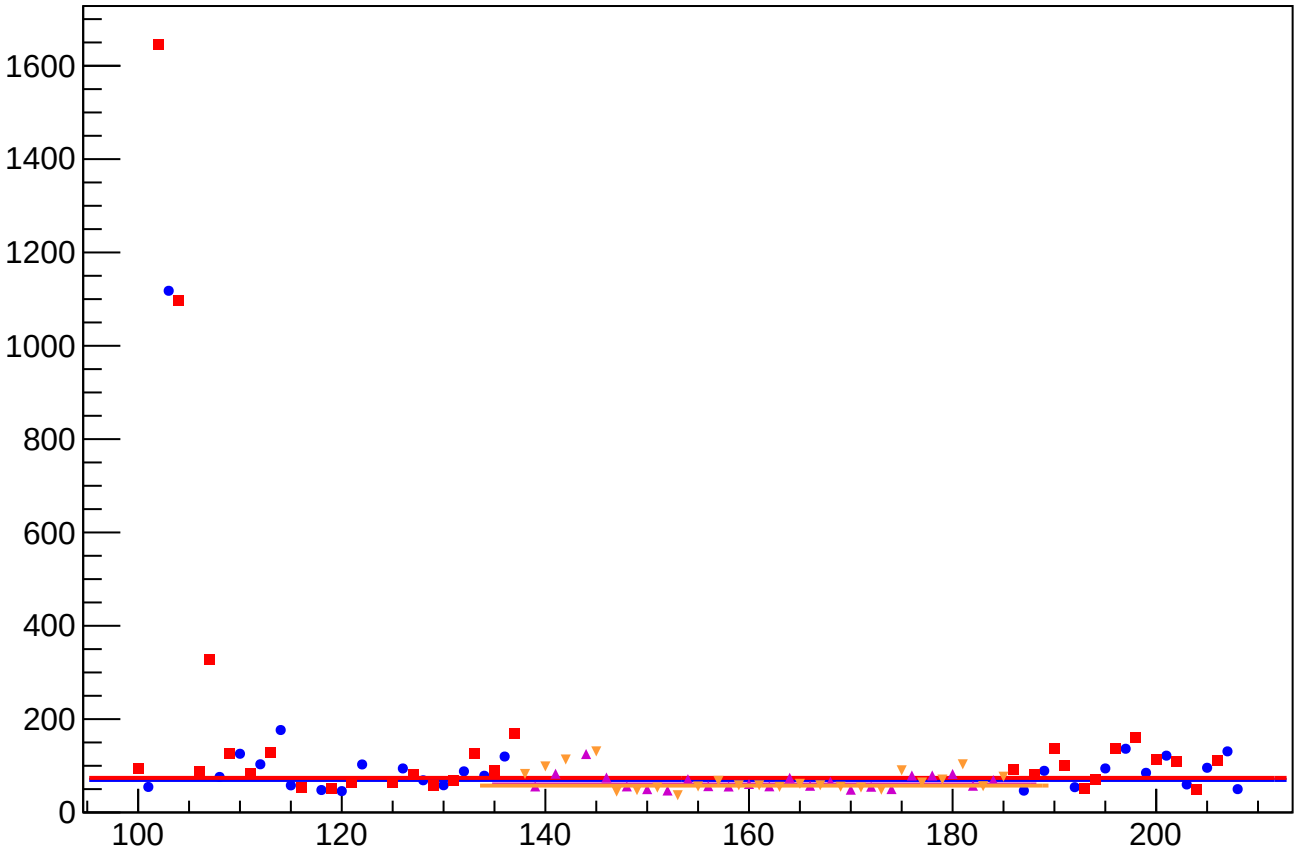
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.018+/-0.015 χ^2/NDF: 47.7/56

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.009+/-0.009 χ^2/NDF: 98.7/103



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

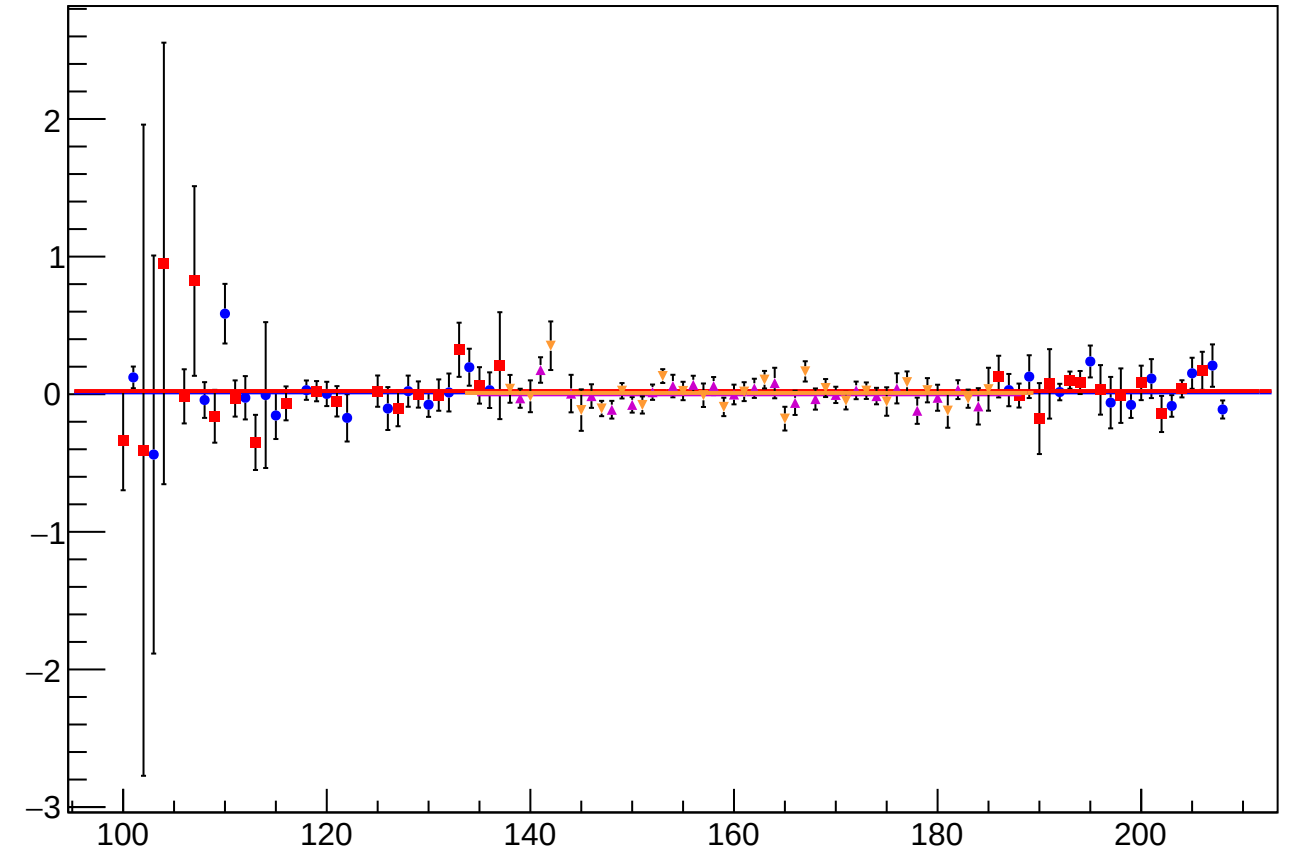
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.718+/-0.011 χ^2/NDF: 8684903.4/56

In: 63.300+/-0.009 χ^2/NDF:5452174.9/49

Out: 62.740+/-0.009 χ^2/NDF:7770739.7/53

All: 63.022+/-0.006 χ^2/NDF: 13224922.1/103



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

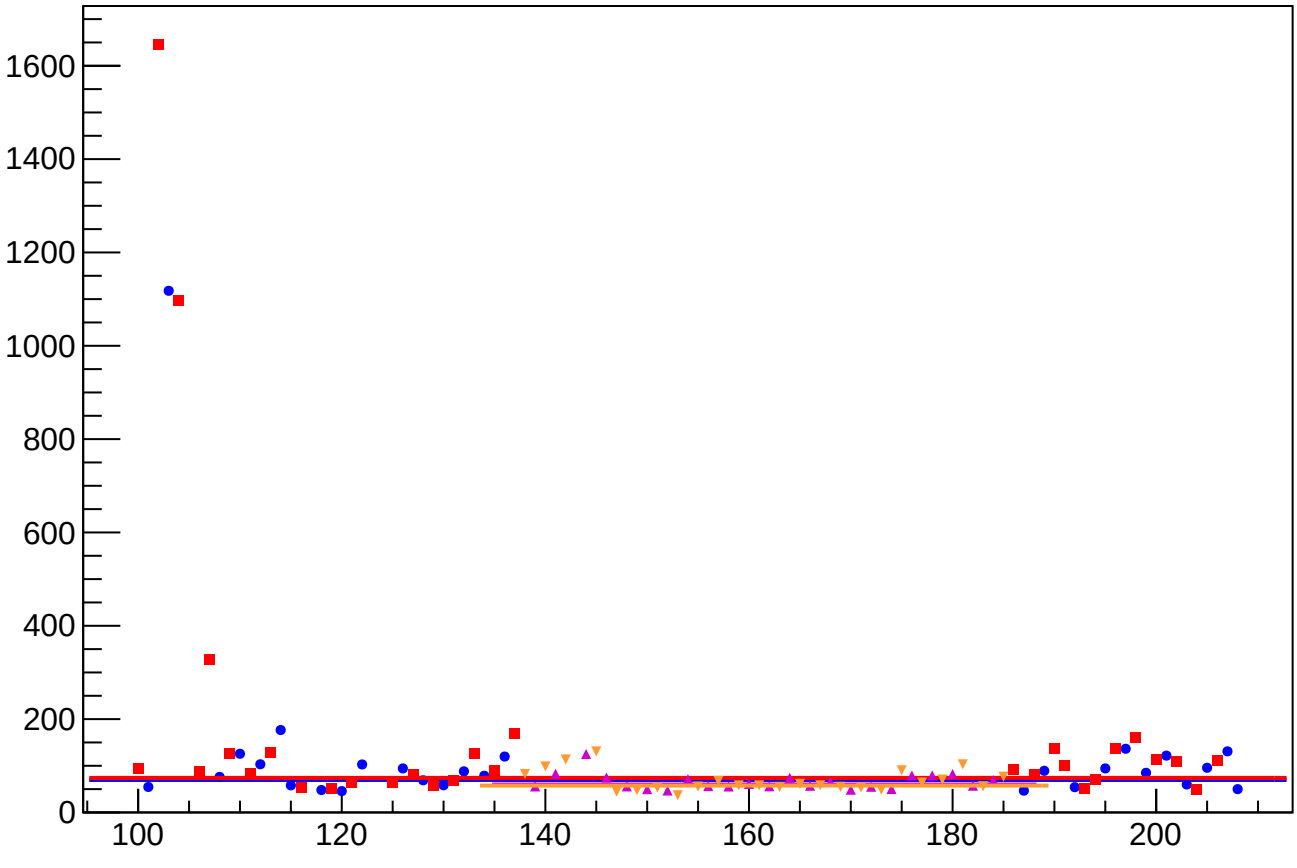
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.018+/-0.015 χ^2/NDF: 47.7/56

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.009+/-0.009 χ^2/NDF: 98.7/103



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

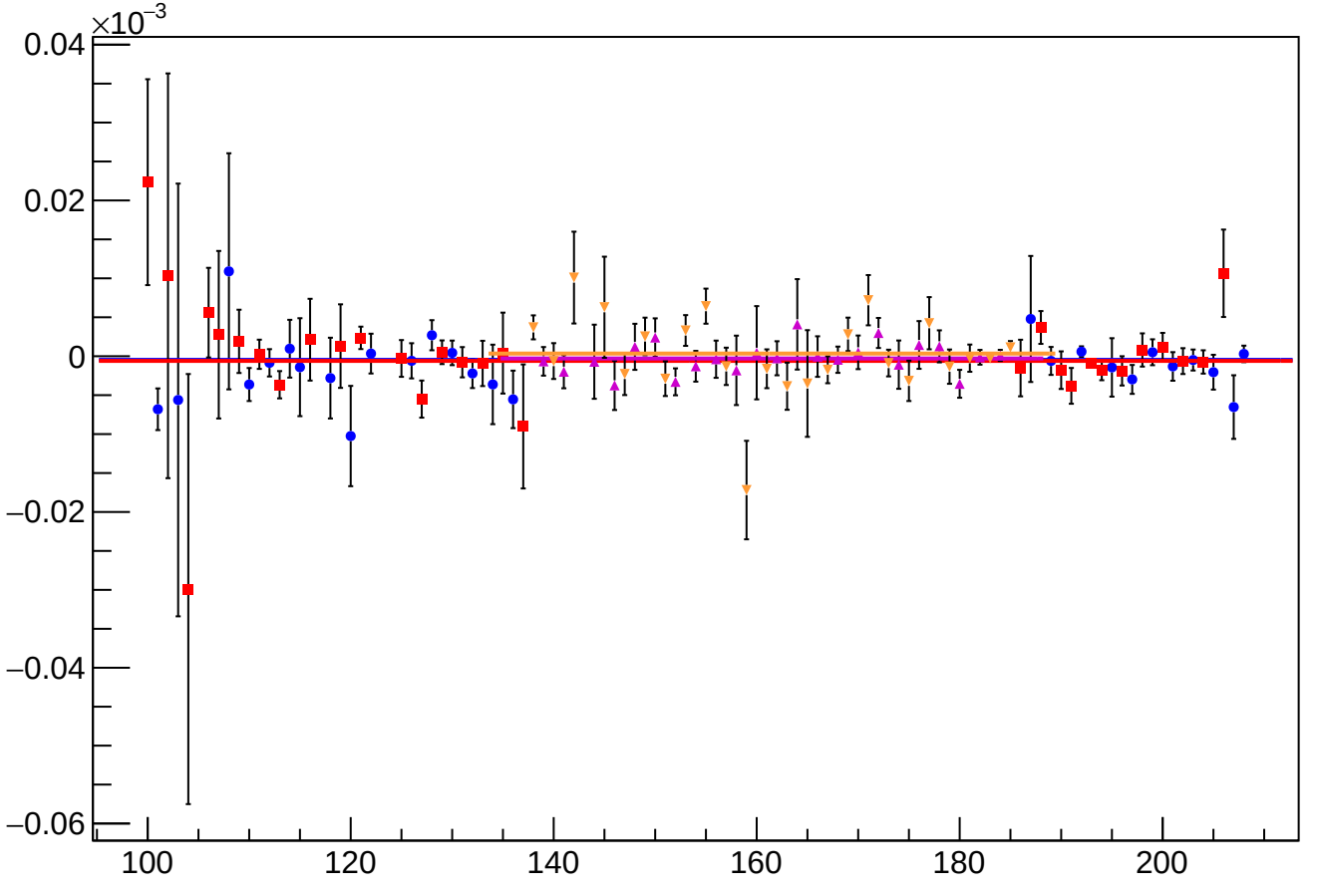
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.718+/-0.011 χ^2/NDF: 8684903.4/56

In: 63.300+/-0.009 χ^2/NDF:5452174.9/49

Out: 62.740+/-0.009 χ^2/NDF:7770739.7/53

All: 63.022+/-0.006 χ^2/NDF: 13224922.1/103



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/29

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

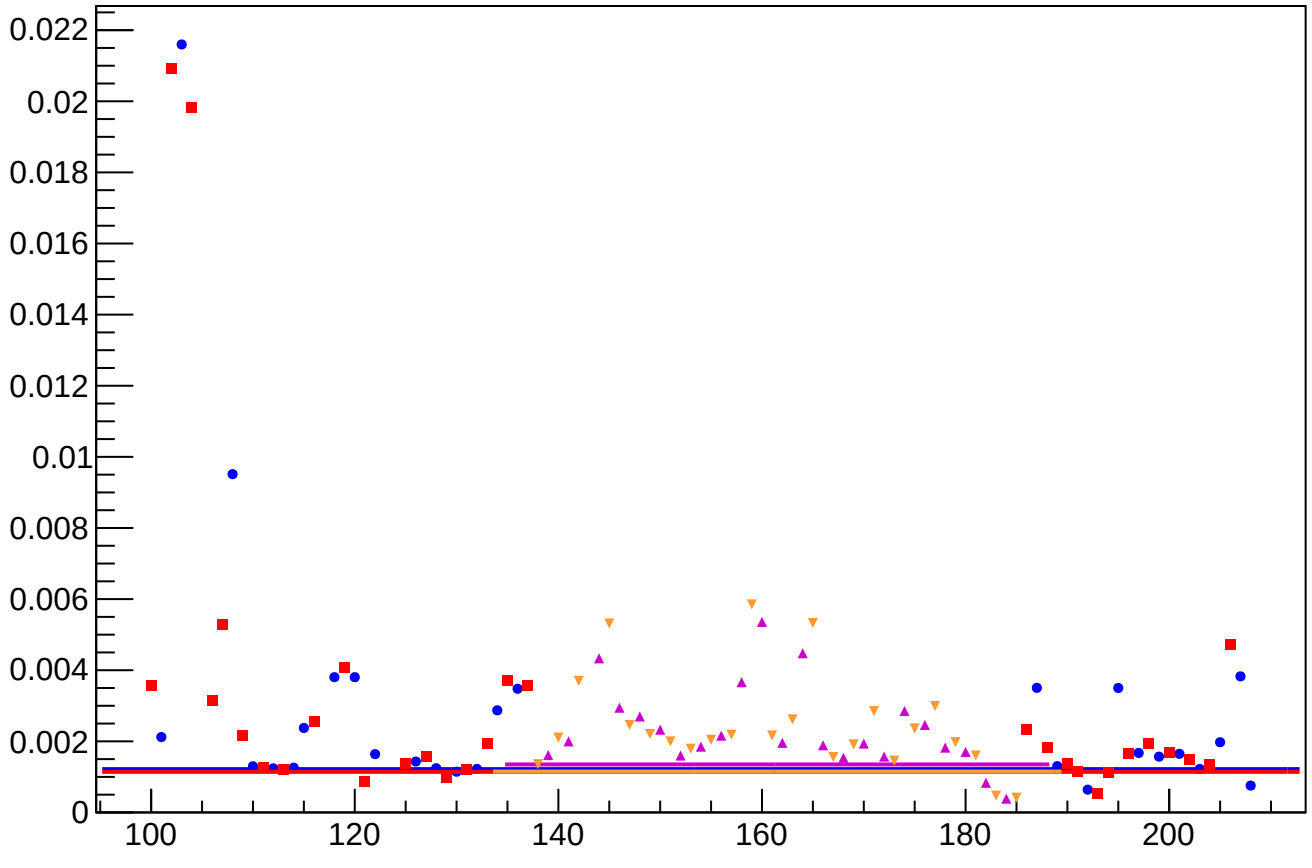
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 59.3/56

In: -0.000+/-0.000 χ^2/NDF:40.9/49

Out: -0.000+/-0.000 χ^2/NDF:83.9/53

All: -0.000+/-0.000 χ^2/NDF: 125.3/103



Right In: 0.001+/-0.000 χ^2/NDF: 7900025.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8640973.9/29

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

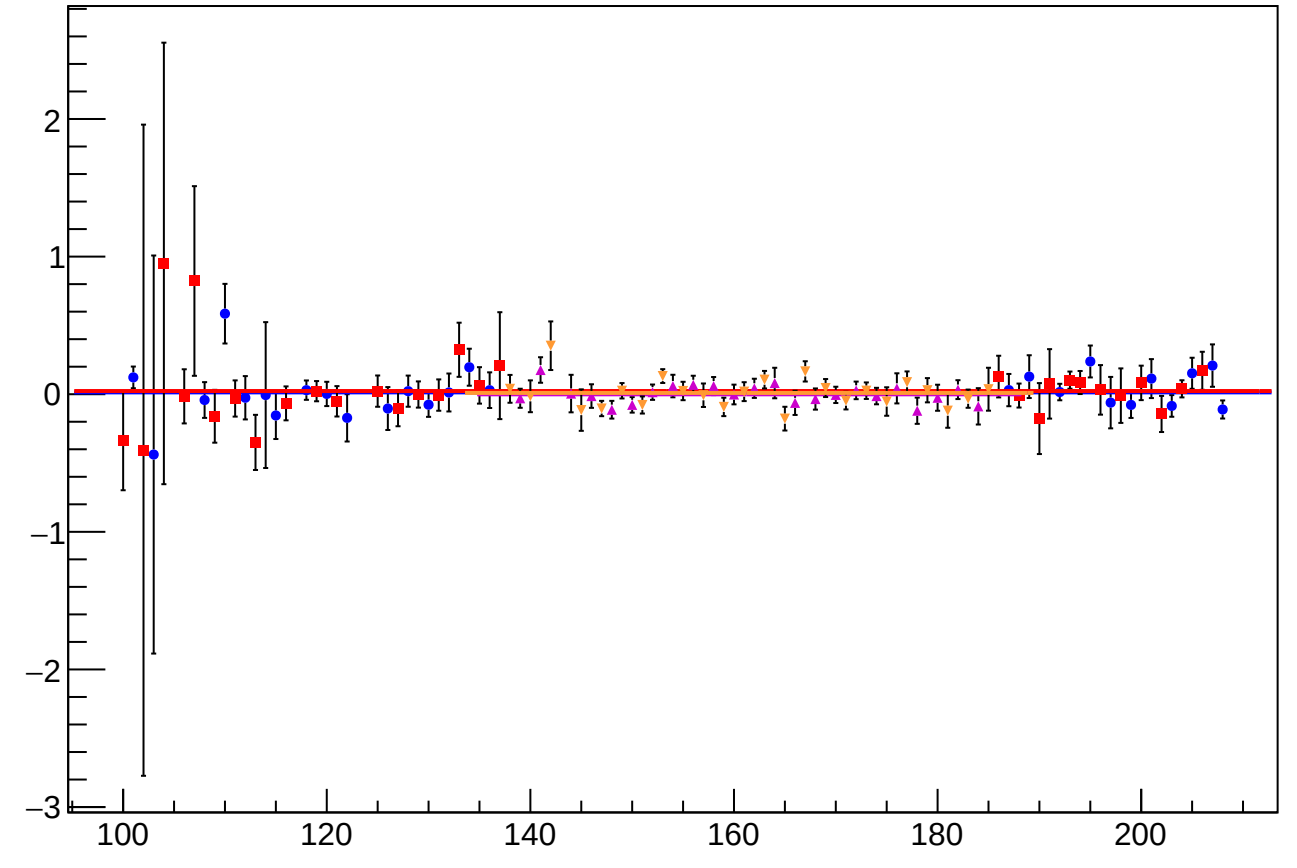
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 16586875.5/56

In: 0.001+/-0.000 χ^2/NDF:18270850.4/49

Out: 0.001+/-0.000 χ^2/NDF:21883828.1/53

All: 0.001+/-0.000 χ^2/NDF: 40437868.8/103



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

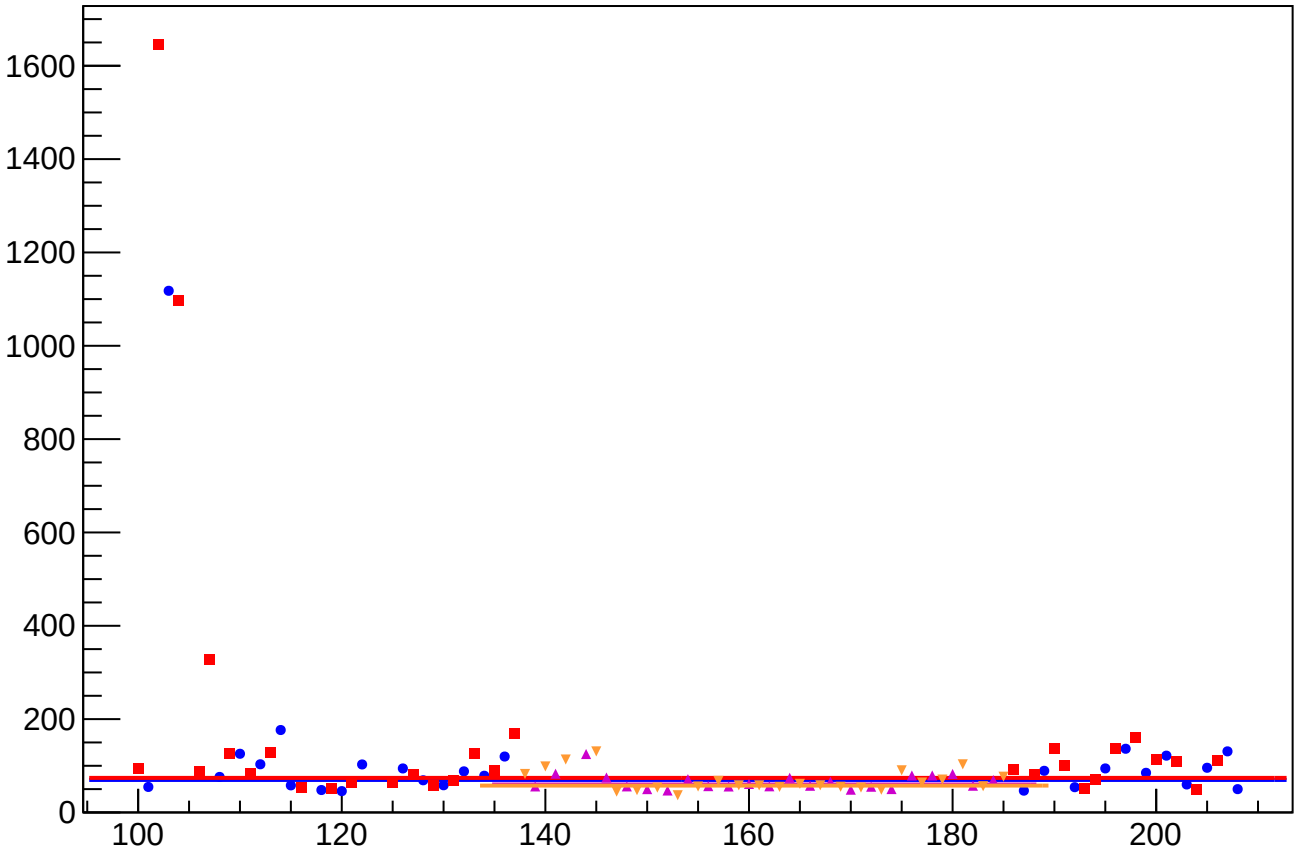
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.018+/-0.015 χ^2/NDF: 47.7/56

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.009+/-0.009 χ^2/NDF: 98.7/103



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

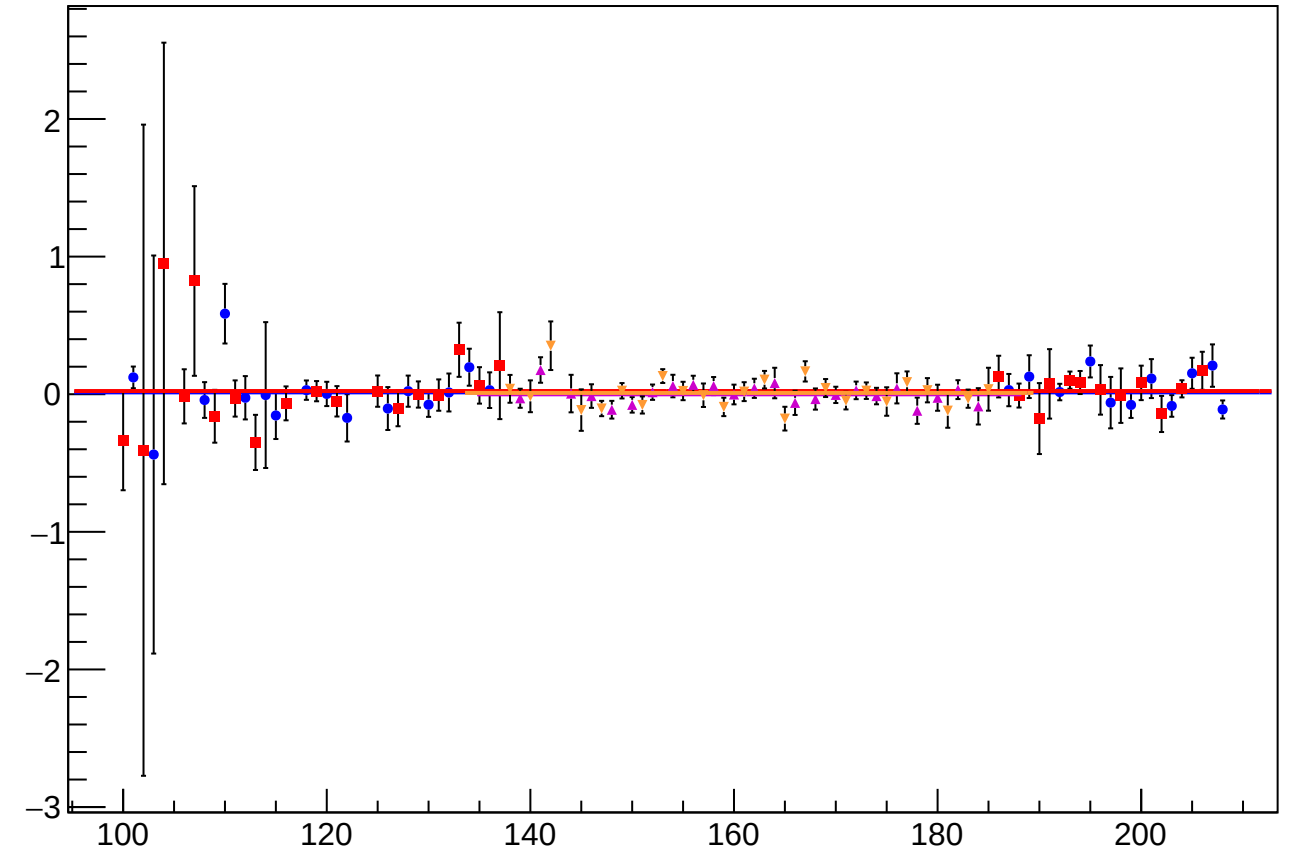
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.717+/-0.011 χ^2/NDF: 8685171.1/56

In: 63.300+/-0.009 χ^2/NDF:5452277.5/49

Out: 62.740+/-0.009 χ^2/NDF:7770881.6/53

All: 63.021+/-0.006 χ^2/NDF: 13225166.5/103



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.022 χ^2/NDF: 18.5/29

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

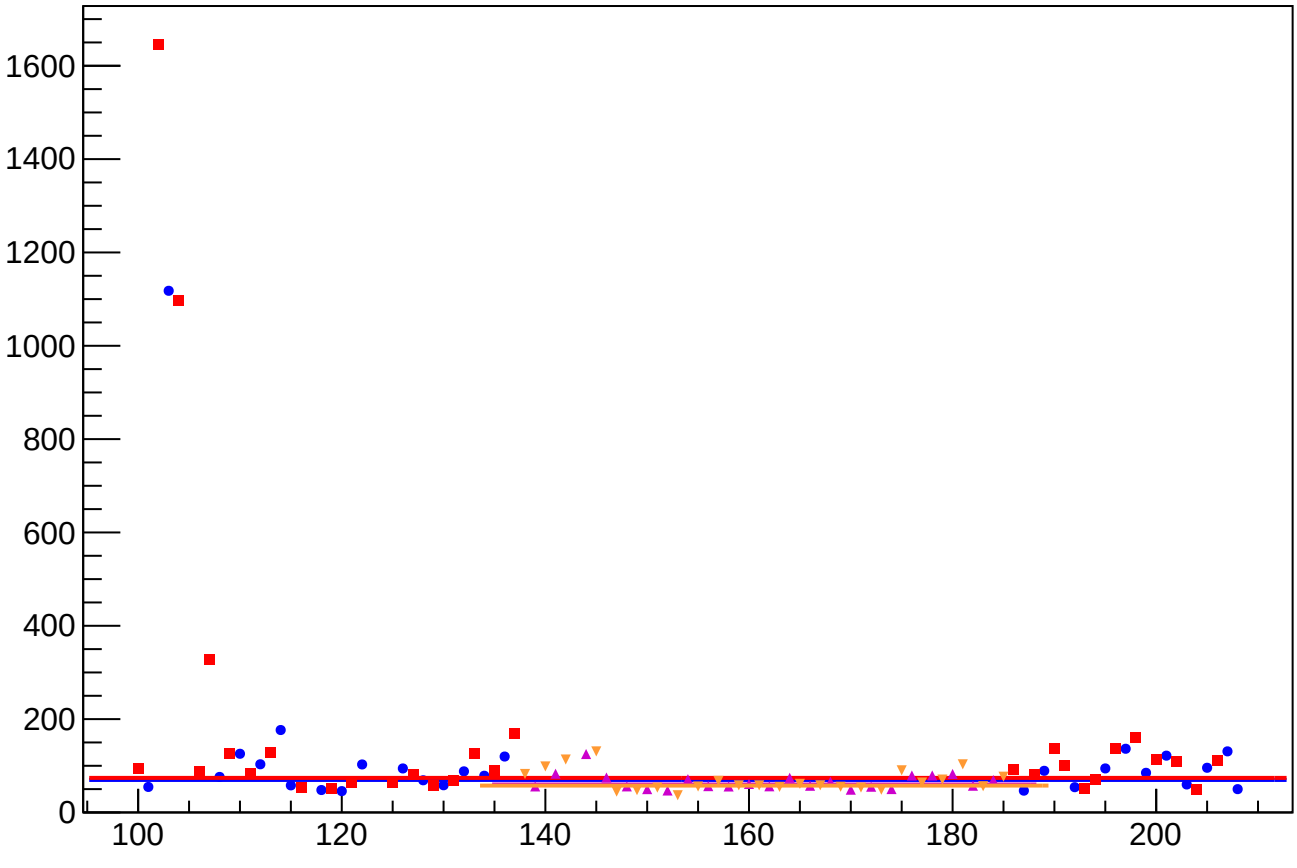
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.018+/-0.015 χ^2/NDF: 47.7/56

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.009+/-0.009 χ^2/NDF: 98.7/103



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

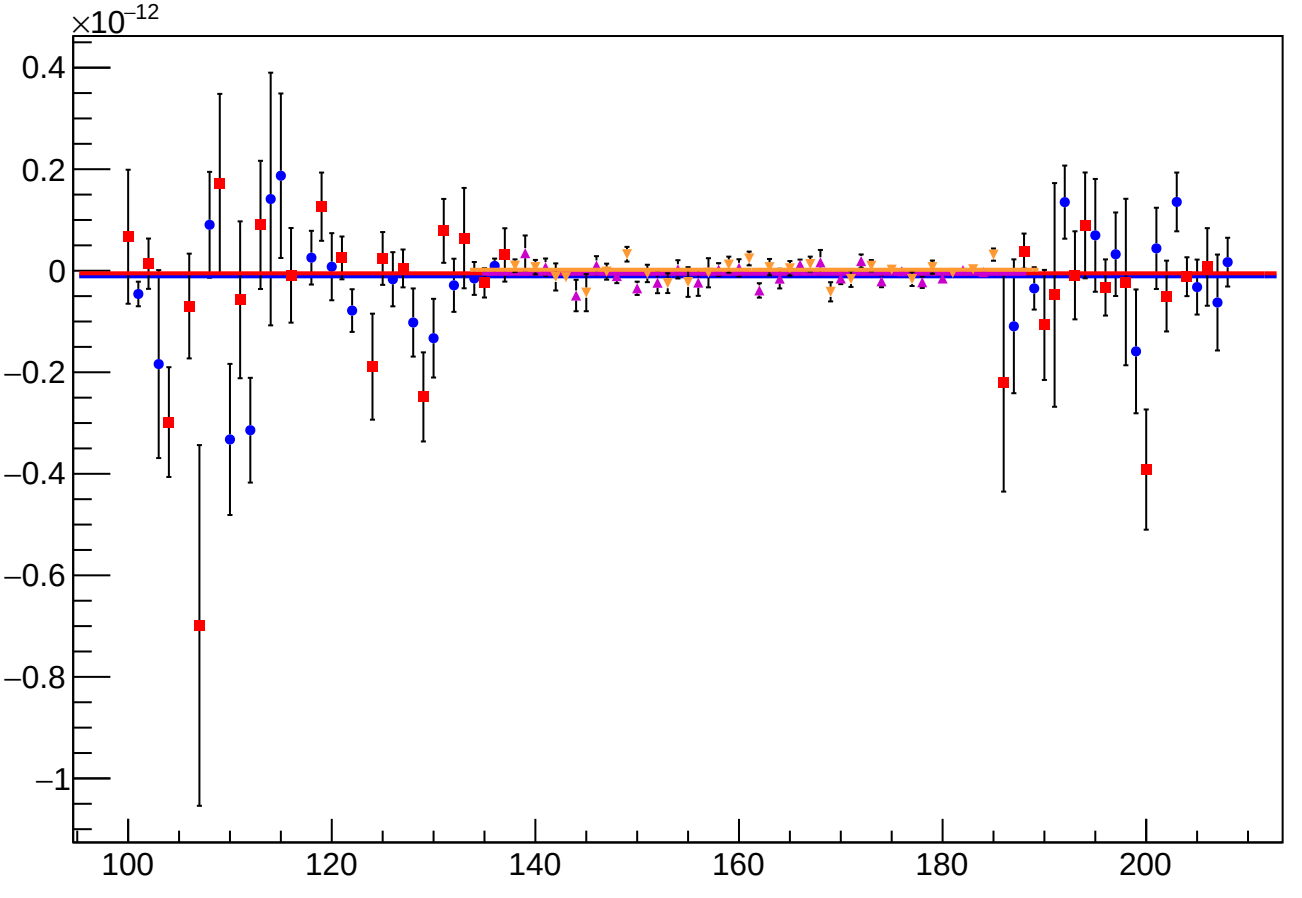
Right: 71.717+/-0.011 χ^2/NDF: 8685171.1/56

In: 63.300+/-0.009 χ^2/NDF:5452277.5/49

Out: 62.740+/-0.009 χ^2/NDF:7770881.6/53

All: 63.021+/-0.006 χ^2/NDF: 13225166.5/103

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 43.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

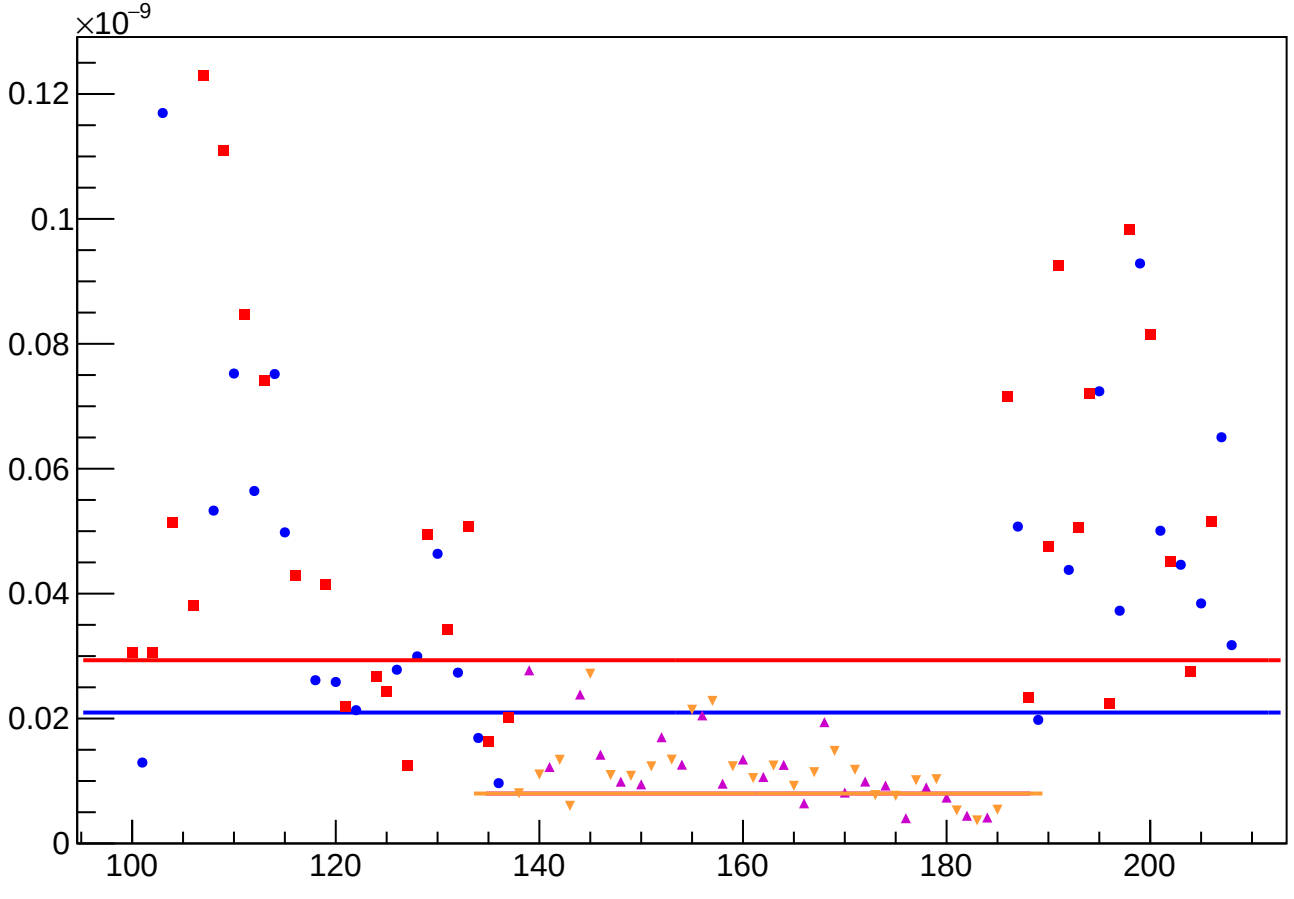
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 91.9/57

In: -0.000+/-0.000 χ^2/NDF:76.5/49

Out: 0.000+/-0.000 χ^2/NDF:80.3/55

All: -0.000+/-0.000 χ^2/NDF: 162.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 6061133.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4307329.4/30

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

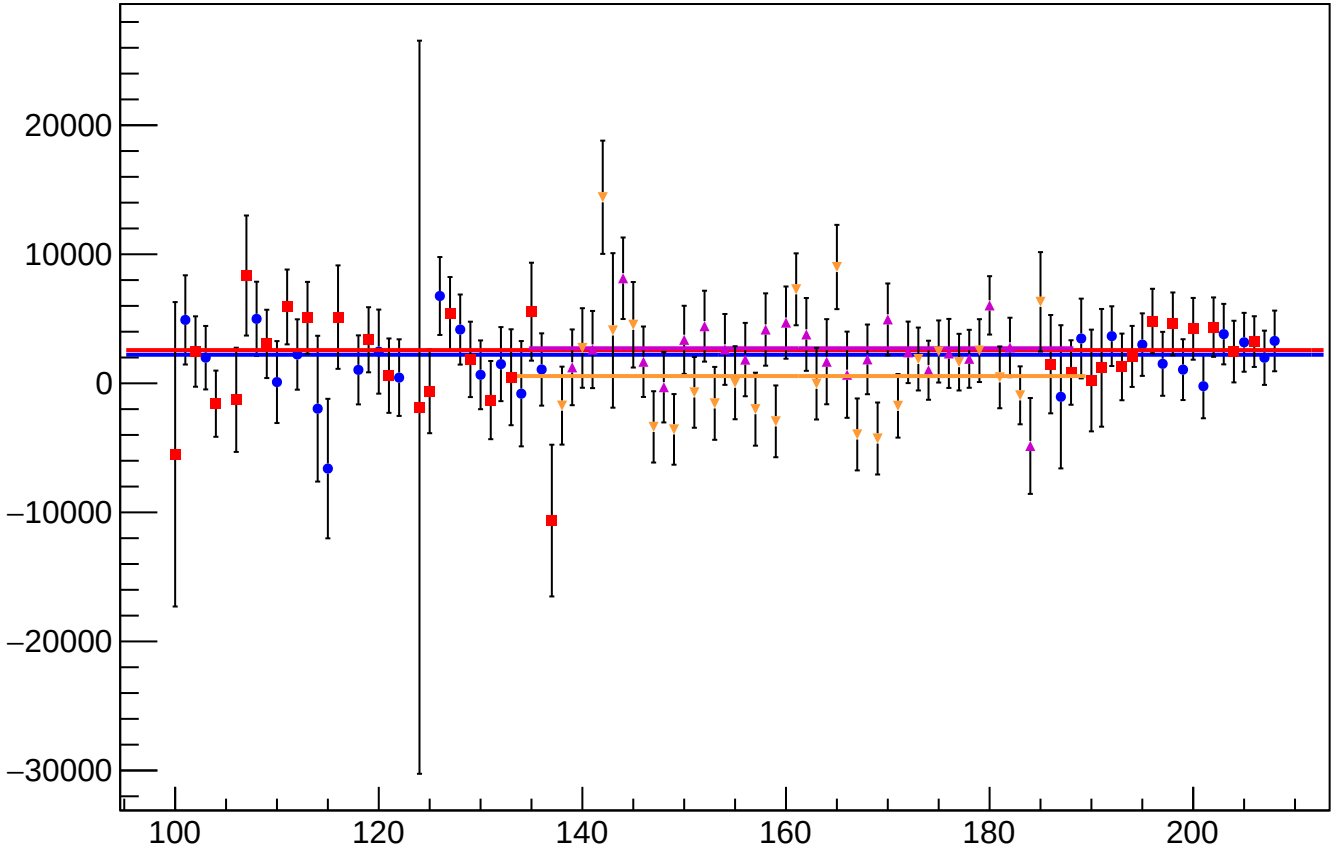
Right: 0.000+/-0.000 χ^2/NDF: 11031820.3/57

In: 0.000+/-0.000 χ^2/NDF:15136937.9/49

Out: 0.000+/-0.000 χ^2/NDF:15821308.7/55

All: 0.000+/-0.000 χ^2/NDF: 30958369.6/105

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2214.836+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2574.419+/-531.049 χ^2/NDF: 22.4/30

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

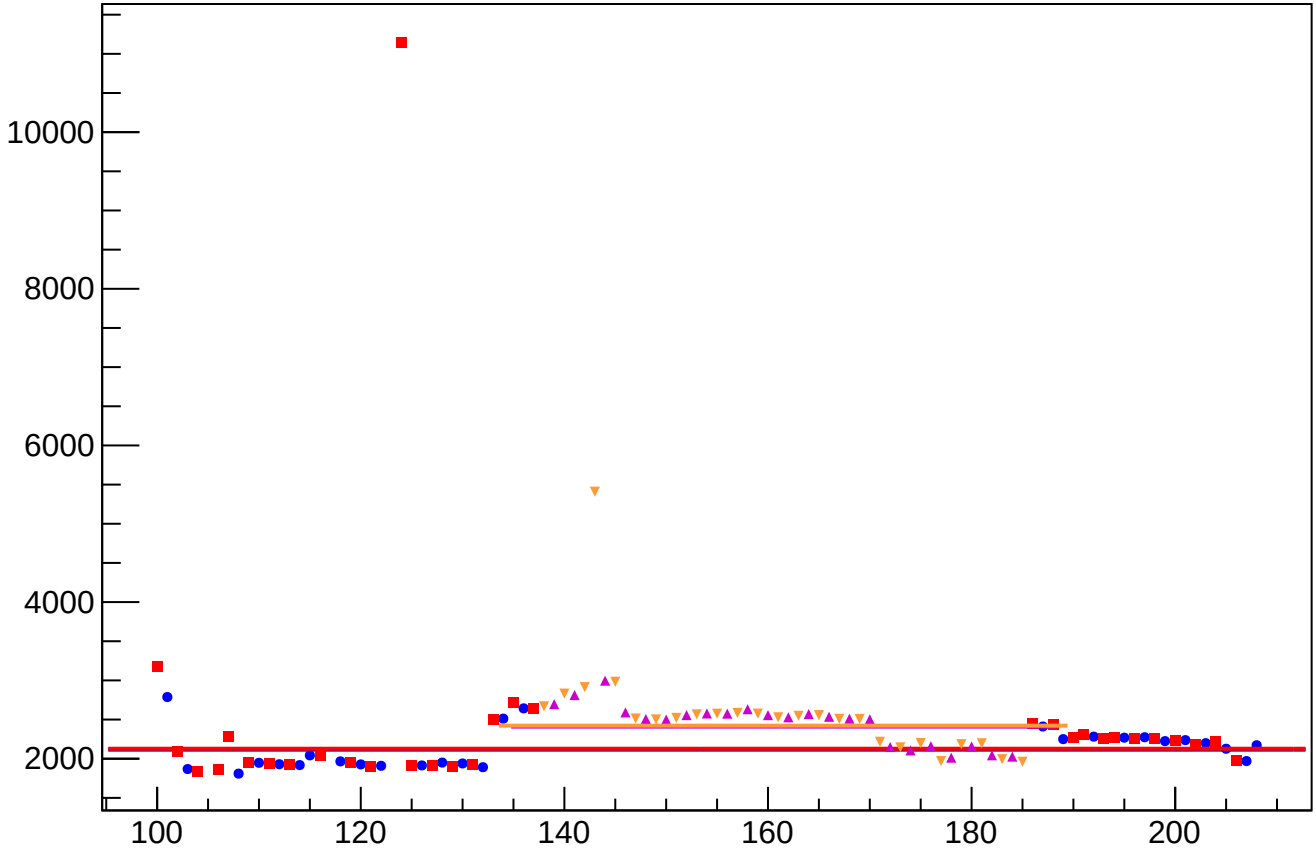
Right: 2395.995+/-376.933 χ^2/NDF: 35.4/57

In: 2451.371+/-388.904 χ^2/NDF:27.5/49

Out: 1616.936+/-384.459 χ^2/NDF:73.1/55

All: 2029.357+/-273.412 χ^2/NDF: 103.0/105

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.3/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.372+/-0.376 χ^2/NDF: 525864.2/30

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

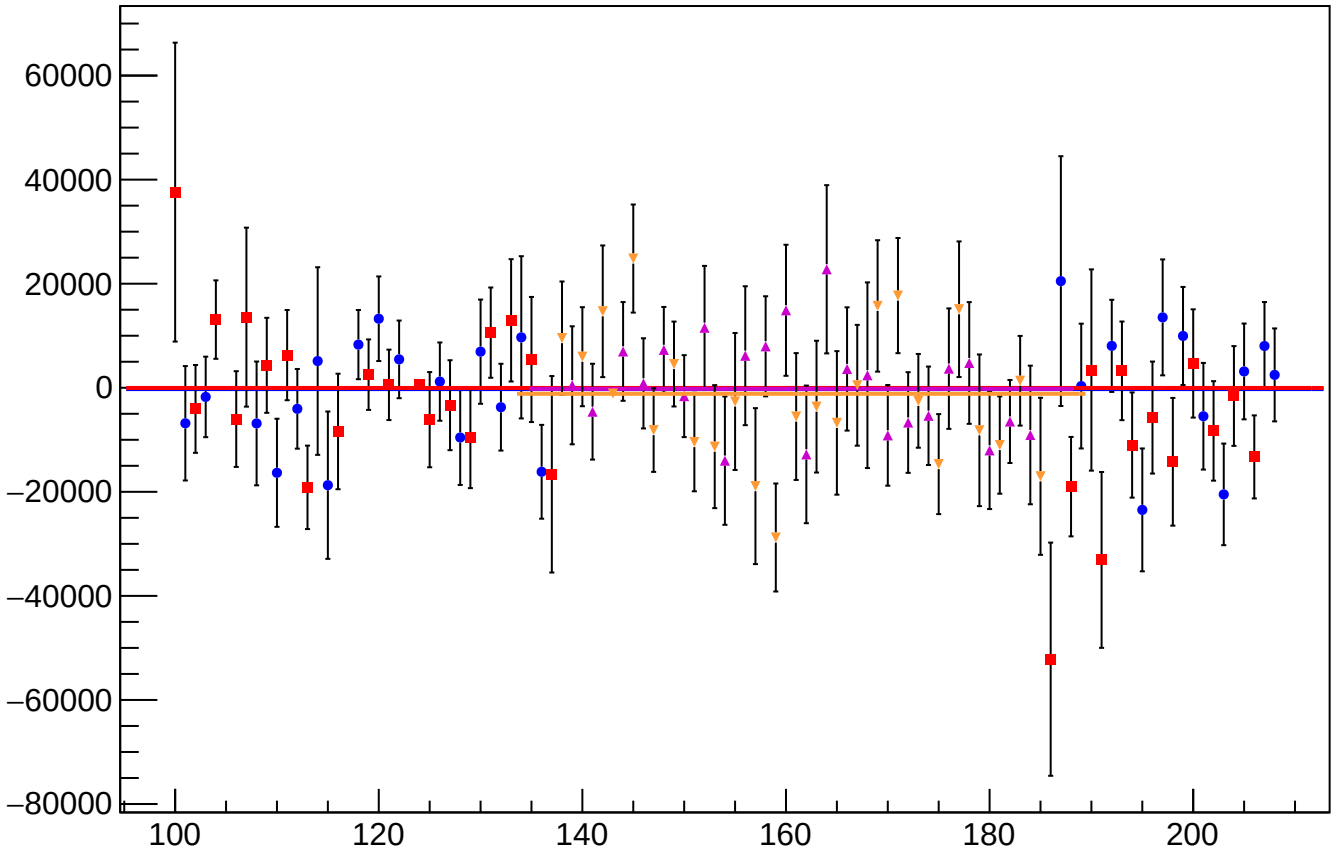
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2121.694+/-0.267 χ^2/NDF: 870332.2/57

In: 2254.582+/-0.275 χ^2/NDF:1056993.6/49

Out: 2267.651+/-0.272 χ^2/NDF:1771982.7/55

All: 2261.192+/-0.193 χ^2/NDF: 2830118.6/10



Right In: -254.859+/-1829.010 χ^2/NDF: 29.4/26

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -36.237+/-746.138 χ^2/NDF: 38.8/30

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

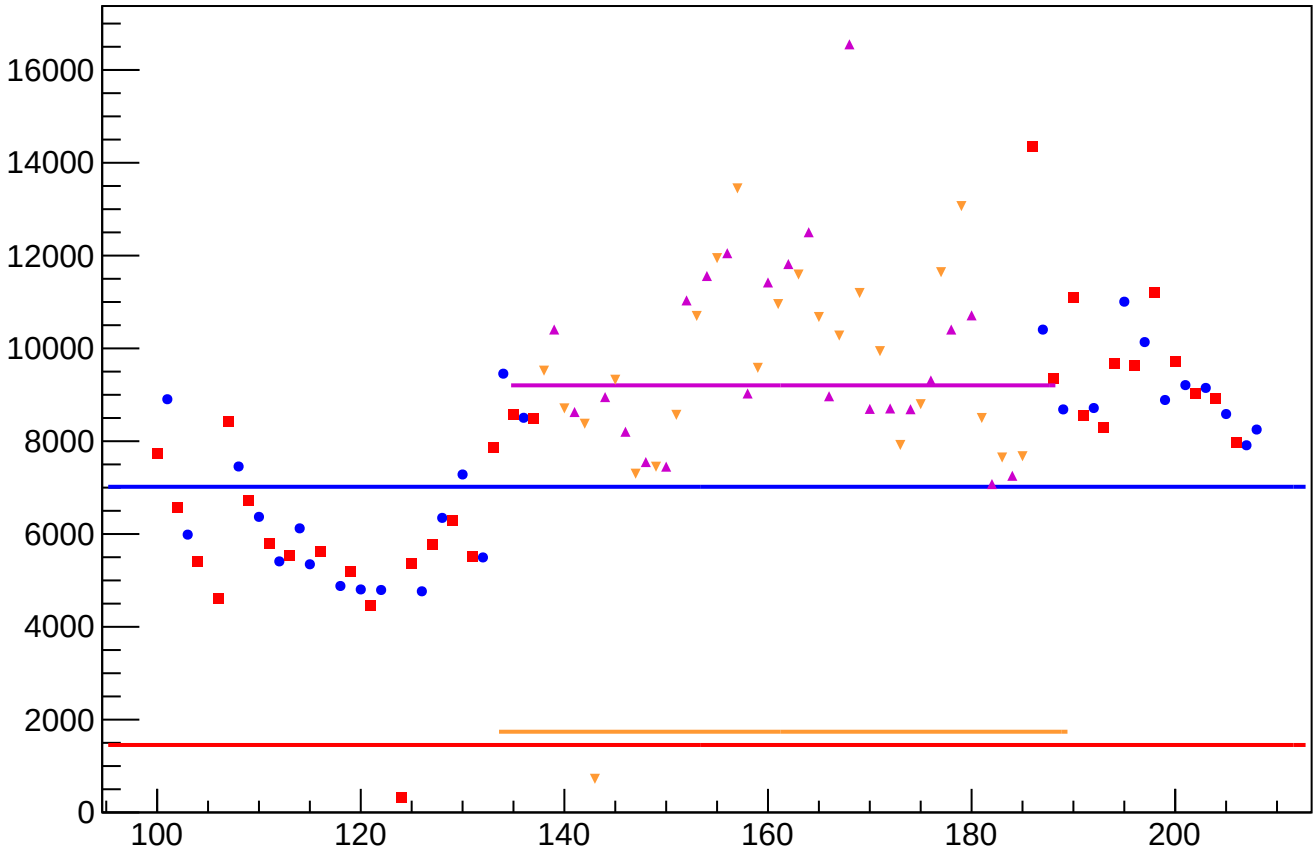
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: -67.429+/-690.863 χ^2/NDF: 68.2/57

In: -236.335+/-1405.149 χ^2/NDF:42.8/49

Out: -588.528+/-531.673 χ^2/NDF:71.9/55

All: -544.420+/-497.267 χ^2/NDF: 114.7/105



Right In: 7018.064+/-1.293 χ^2/NDF: 2040797.8/26

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1454.148+/-0.528 χ^2/NDF: 24894957.3/30

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

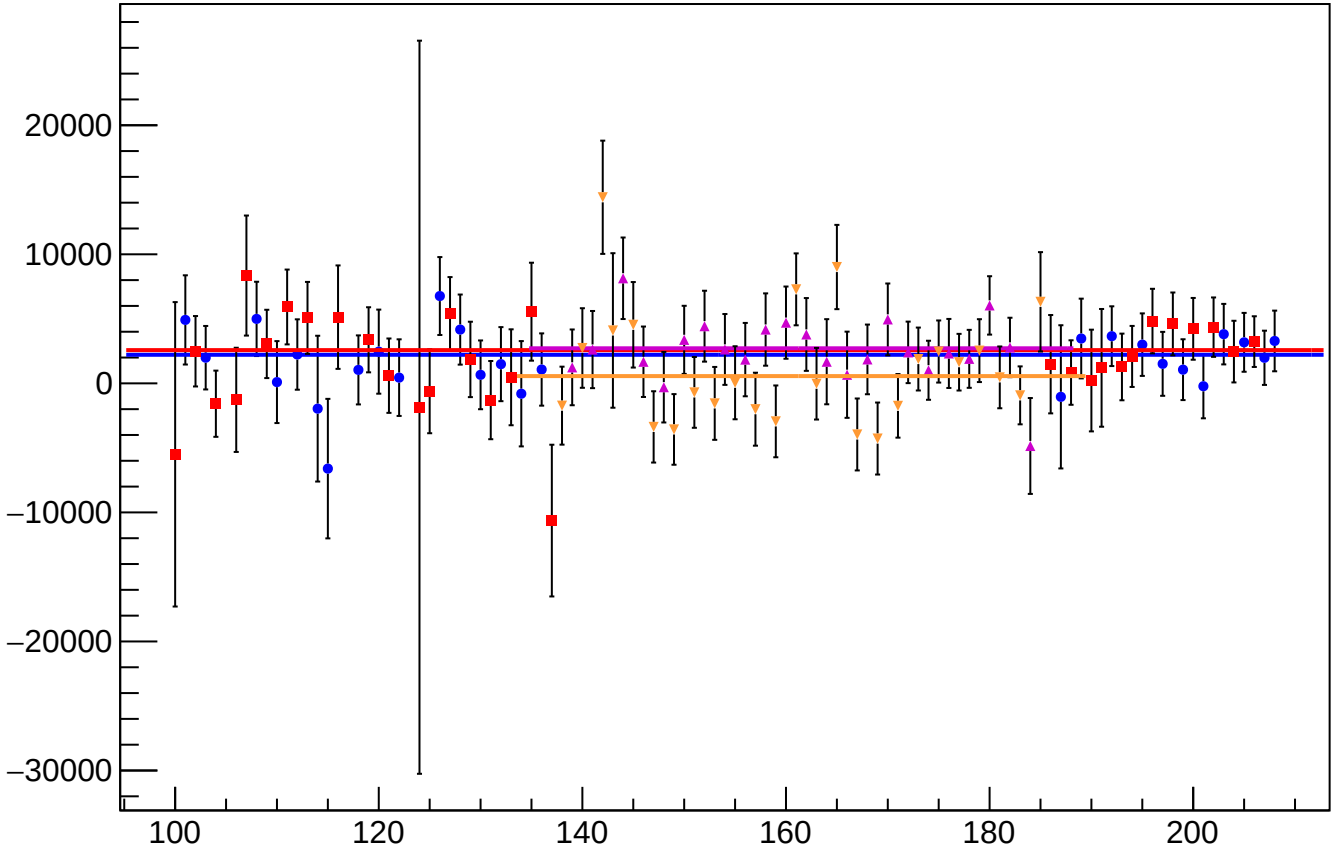
Right: 2247.986+/-0.489 χ^2/NDF: 42803085.3/57

In: 7913.722+/-0.994 χ^2/NDF:4483250.6/49

Out: 1594.706+/-0.376 χ^2/NDF:52773188.7/55

All: 2386.086+/-0.352 χ^2/NDF: 92637761.7/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2575.313+/-531.052 χ^2/NDF: 22.4/30

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

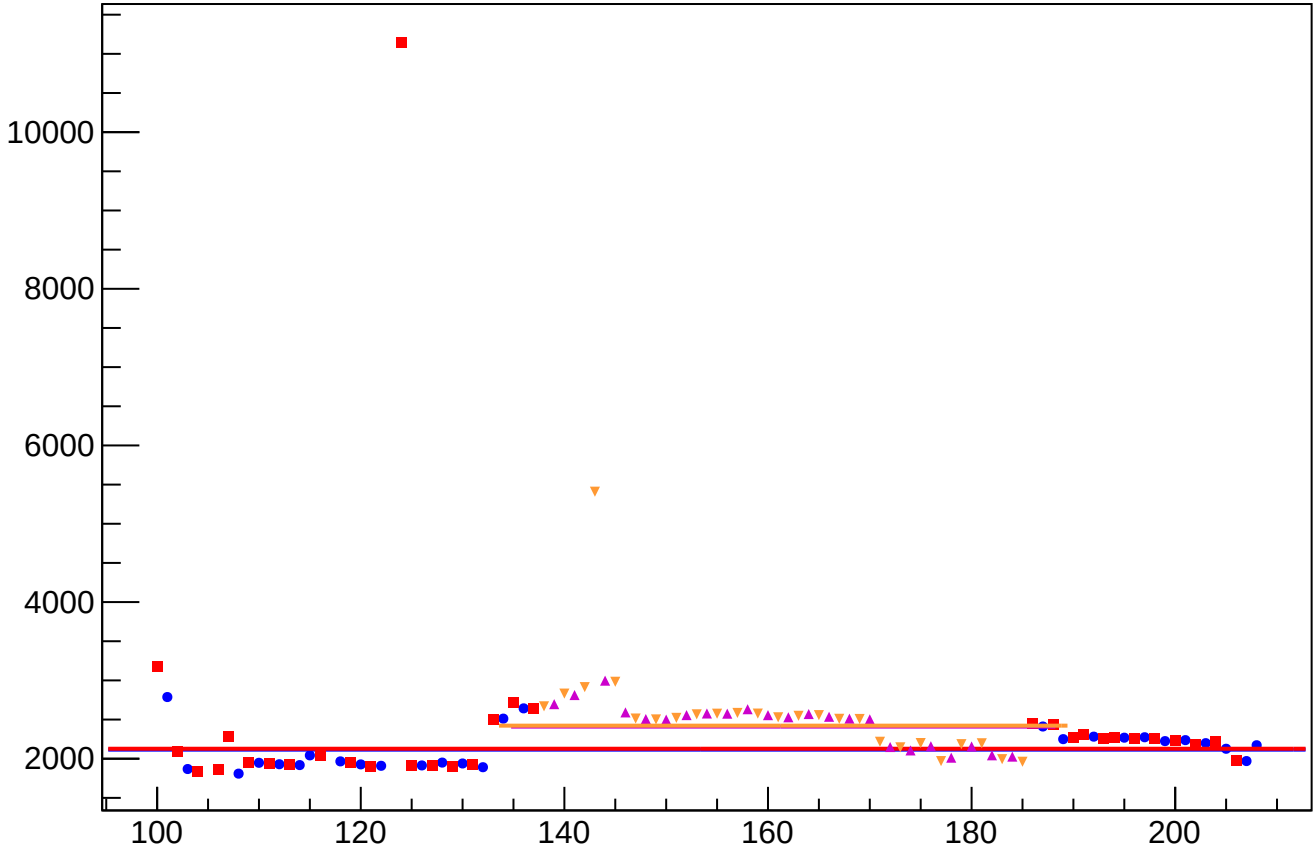
Right: 2396.436+/-376.934 χ^2/NDF: 35.4/57

In: 2451.345+/-388.904 χ^2/NDF:27.5/49

Out: 1617.400+/-384.460 χ^2/NDF:73.1/55

All: 2029.580+/-273.412 χ^2/NDF: 103.0/105

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

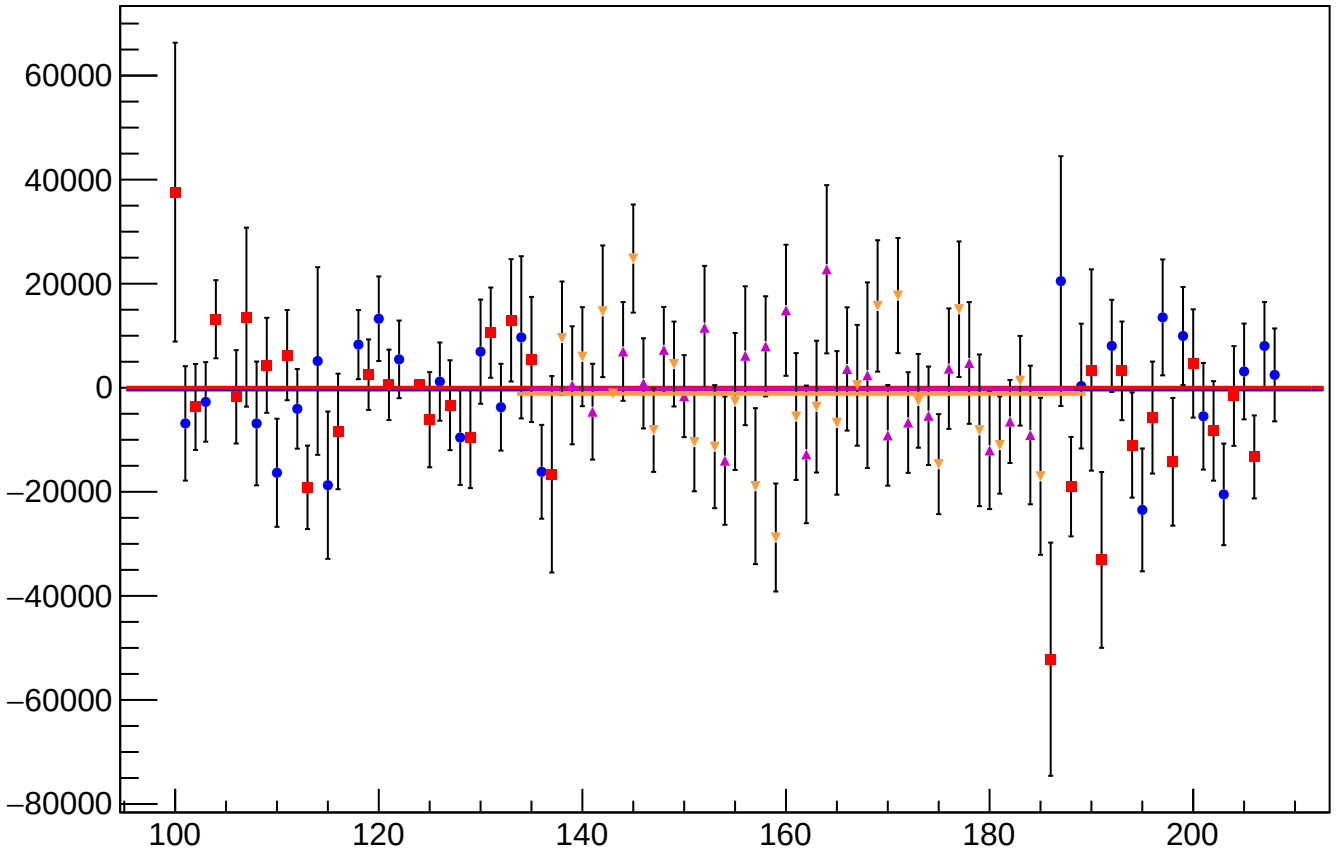
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2121.700+/-0.267 χ^2/NDF: 870328.0/57

In: 2254.582+/-0.275 χ^2/NDF:1056993.7/49

Out: 2267.658+/-0.272 χ^2/NDF:1771953.1/55

All: 2261.195+/-0.193 χ^2/NDF: 2830090.3/10



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -4.374+/-745.827 χ^2/NDF: 38.4/30

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

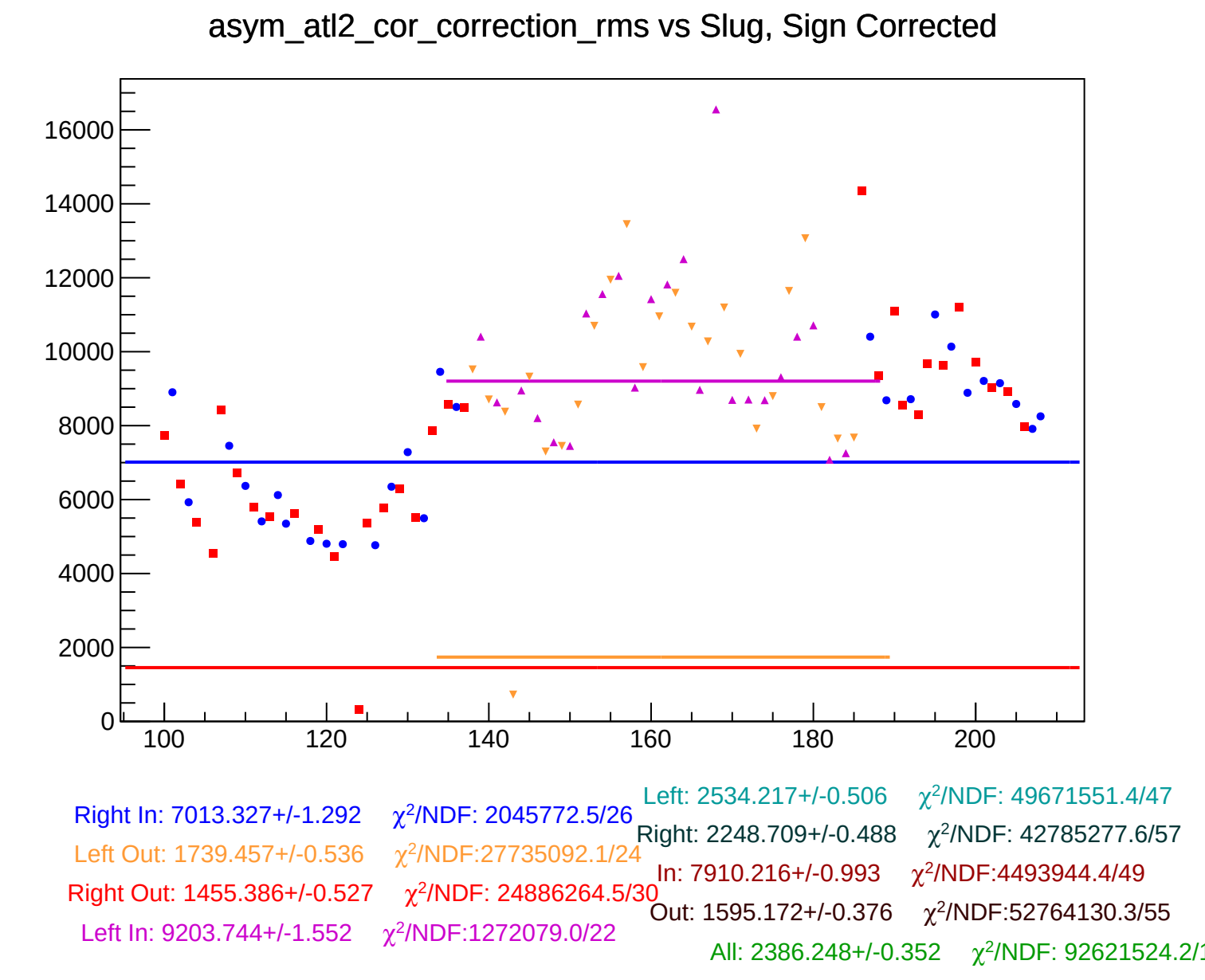
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -48.311+/-690.550 χ^2/NDF: 67.9/57

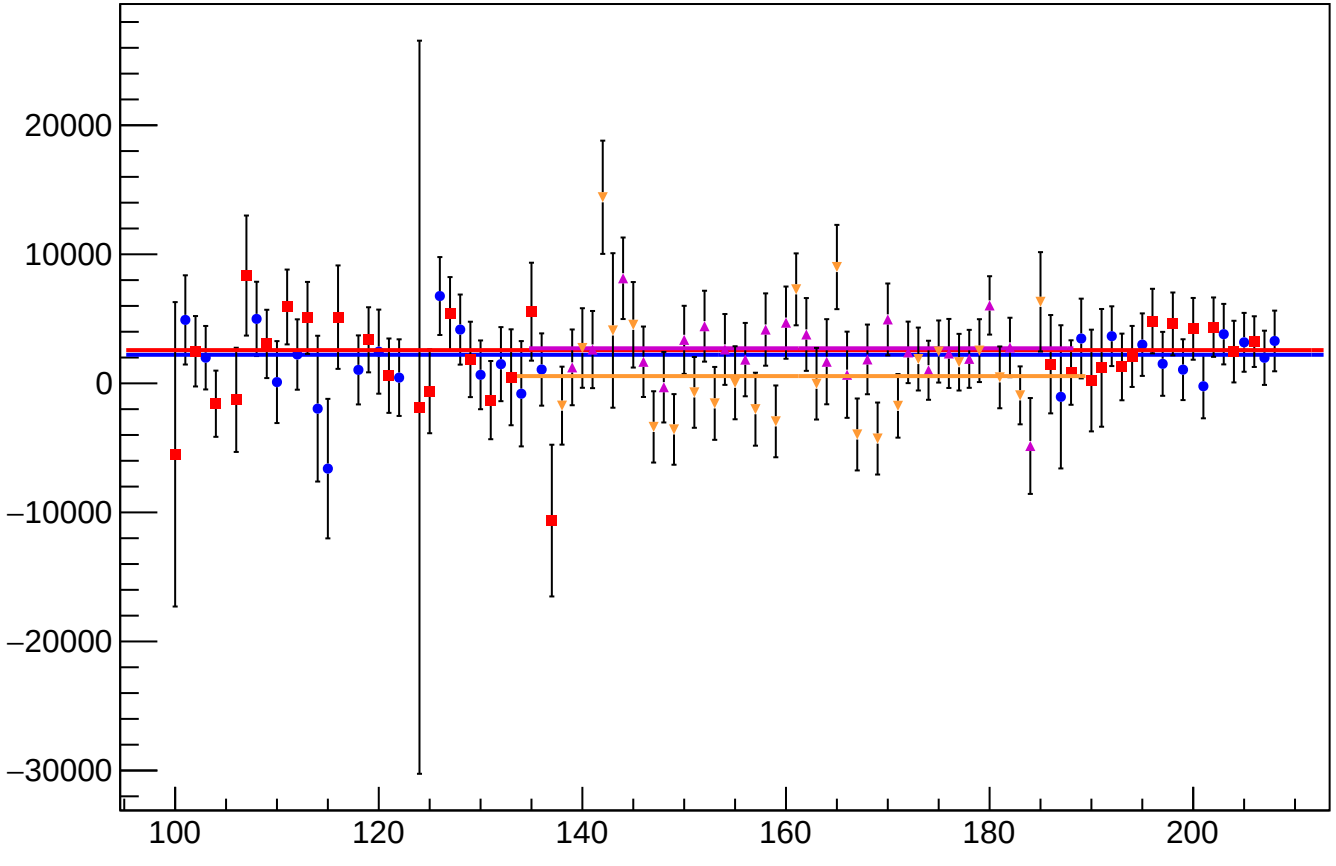
In: -270.145+/-1404.596 χ^2/NDF:42.8/49

Out: -572.040+/-531.539 χ^2/NDF:71.6/55

All: -534.222+/-497.133 χ^2/NDF: 114.4/105


asym_atl2_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 7013.327+/-1.292 χ²/NDF: 2045772.5/26
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1455.386+/-0.527 χ²/NDF: 24886264.5/30
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 2248.709+/-0.488 χ²/NDF: 42785277.6/57
In: 7910.216+/-0.993 χ²/NDF:4493944.4/49
Out: 1595.172+/-0.376 χ²/NDF:52764130.3/55
All: 2386.248+/-0.352 χ²/NDF: 92621524.2/

eigen_cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2575.313+/-531.052 χ^2/NDF: 22.4/30

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

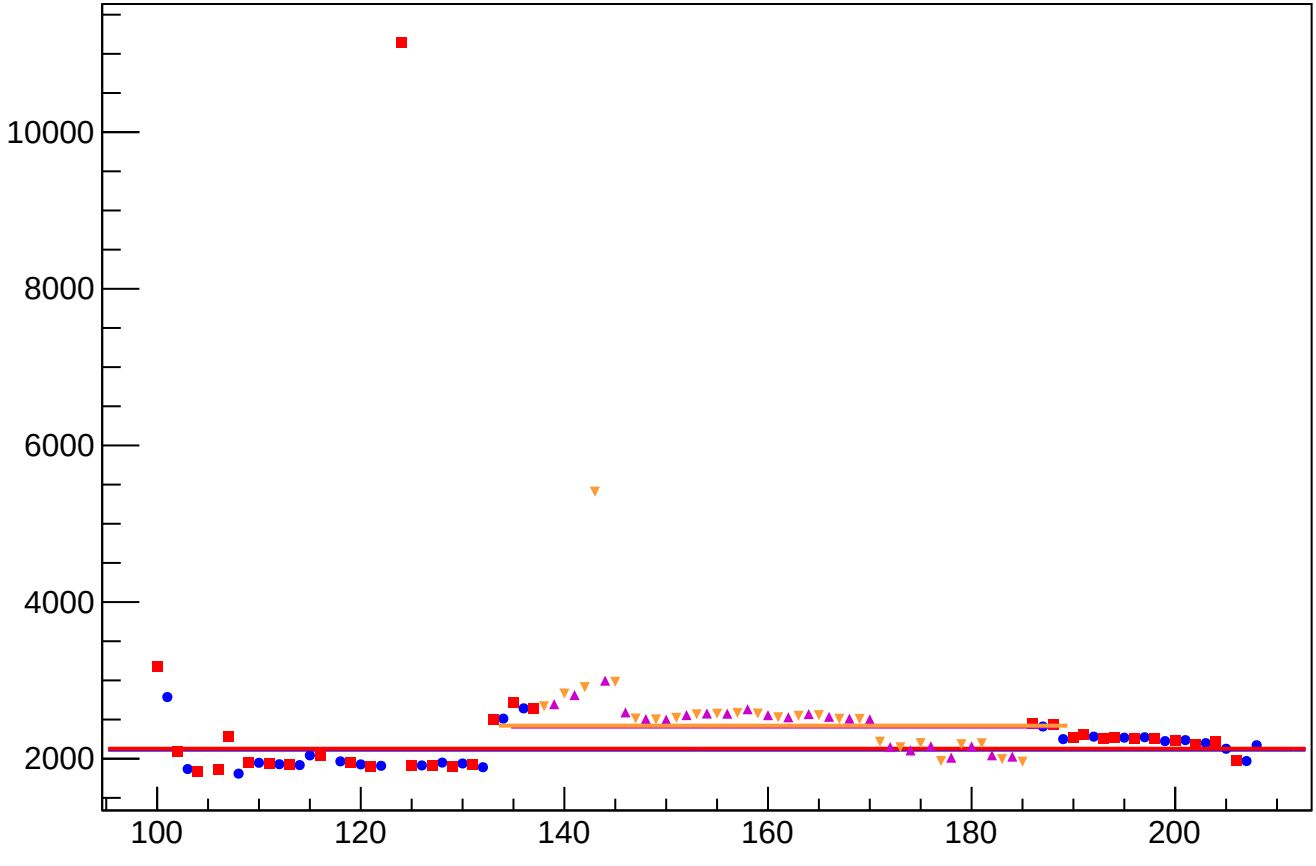
Right: 2396.436+/-376.934 χ^2/NDF: 35.4/57

In: 2451.345+/-388.904 χ^2/NDF:27.5/49

Out: 1617.400+/-384.460 χ^2/NDF:73.1/55

All: 2029.580+/-273.412 χ^2/NDF: 103.0/105

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

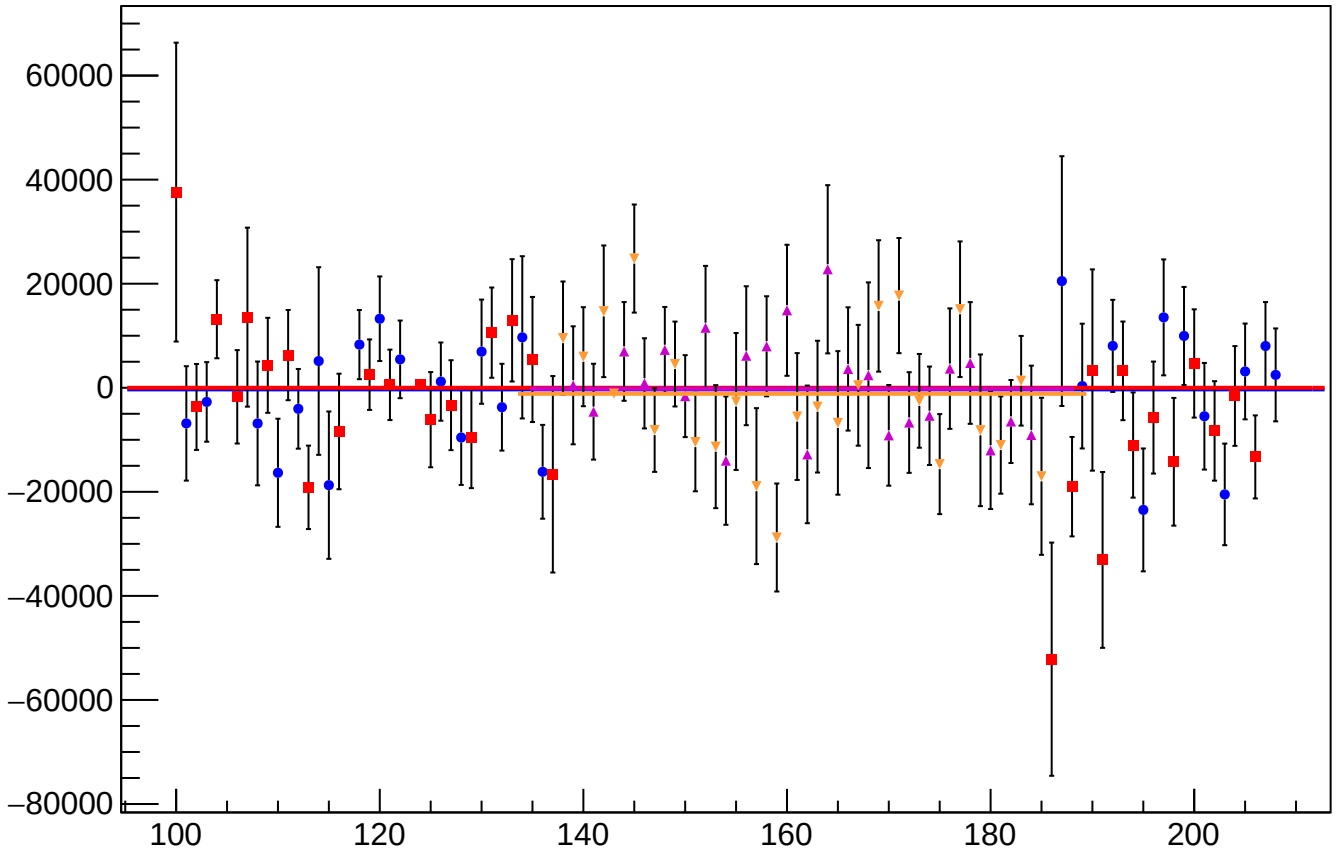
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2121.700+/-0.267 χ^2/NDF: 870328.0/57

In: 2254.582+/-0.275 χ^2/NDF:1056993.7/49

Out: 2267.658+/-0.272 χ^2/NDF:1771953.1/55

All: 2261.195+/-0.193 χ^2/NDF: 2830090.3/10



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -4.374+/-745.827 χ^2/NDF: 38.4/30

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

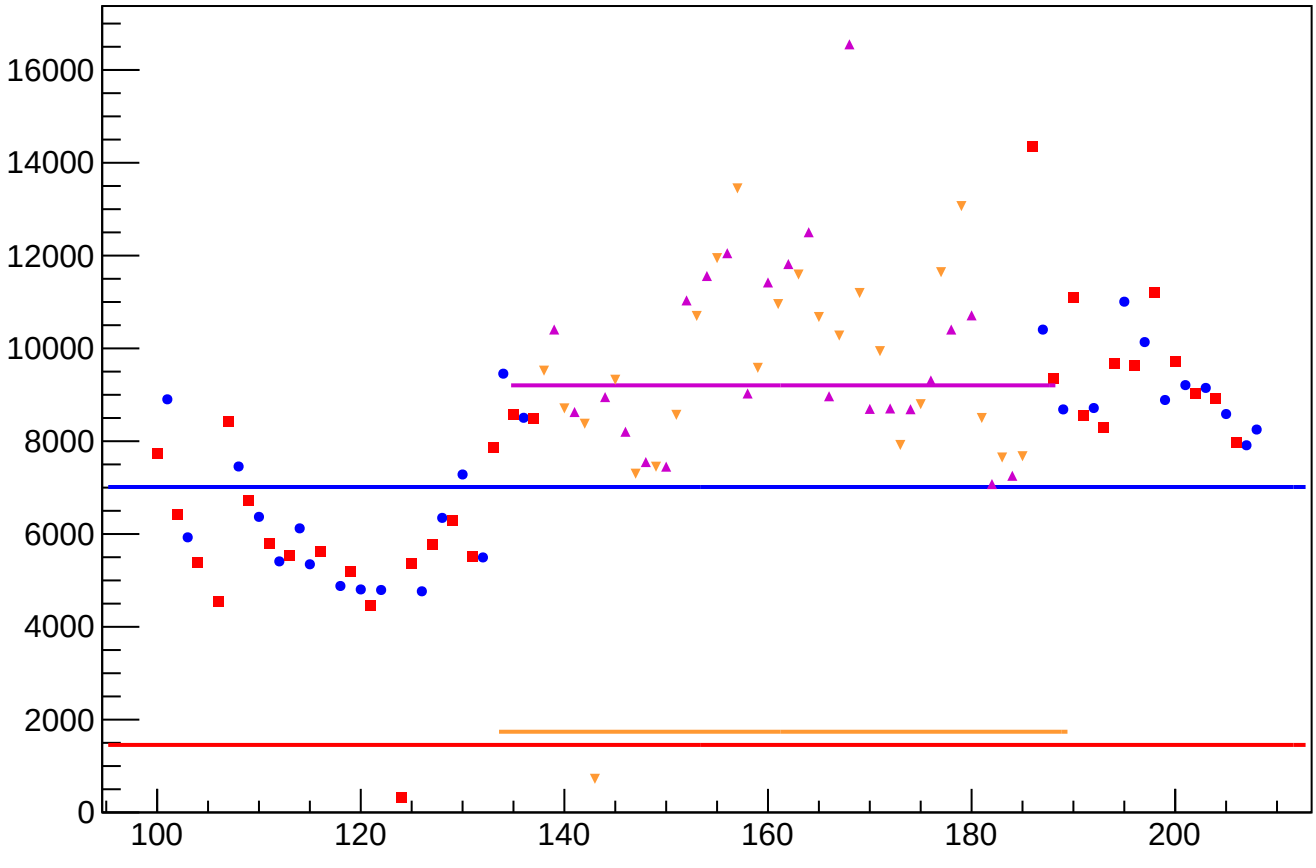
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -48.311+/-690.550 χ^2/NDF: 67.9/57

In: -270.145+/-1404.596 χ^2/NDF:42.8/49

Out: -572.040+/-531.539 χ^2/NDF:71.6/55

All: -534.222+/-497.133 χ^2/NDF: 114.4/105



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

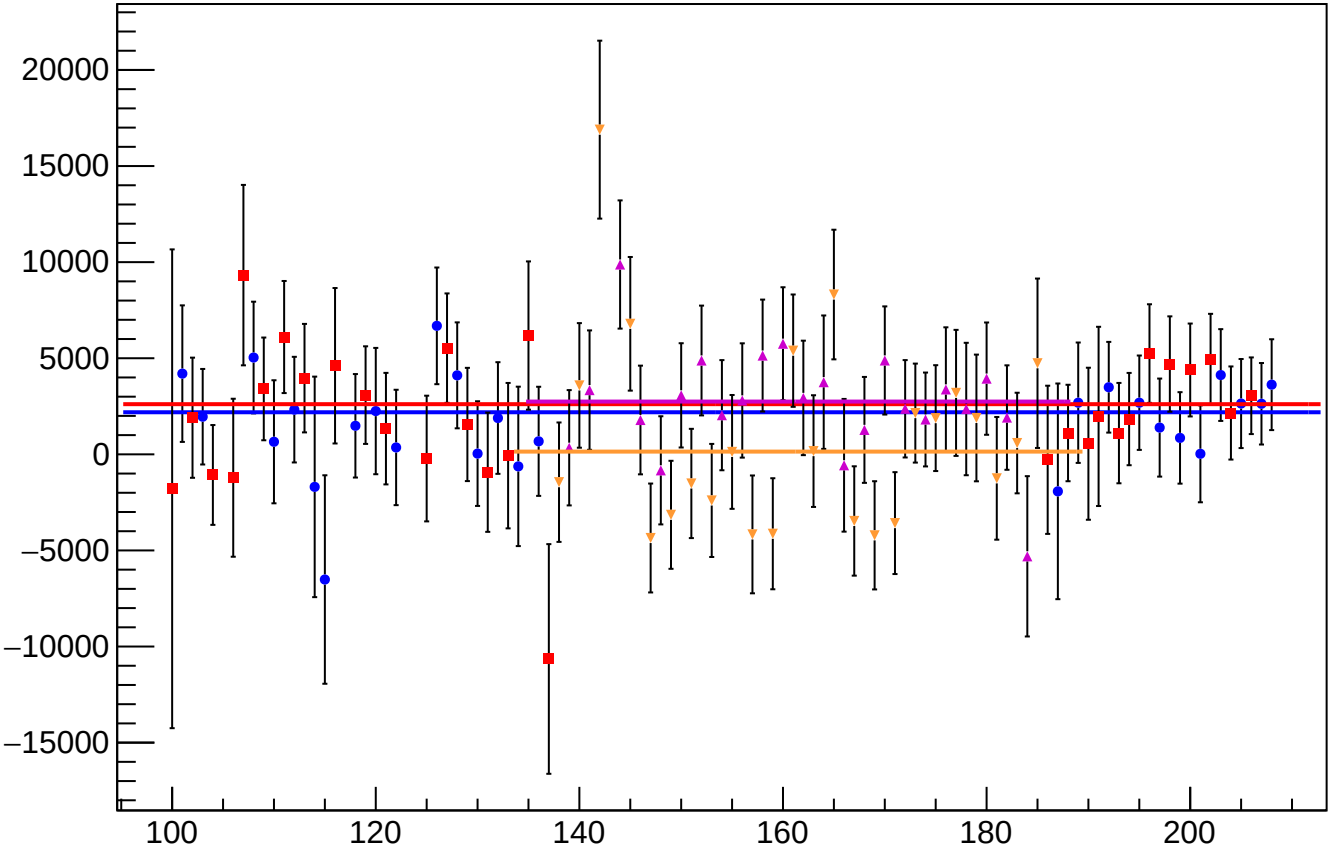
Right: 2248.709+/-0.488 χ^2/NDF: 42785277.6/57

In: 7910.216+/-0.993 χ^2/NDF:4493944.4/49

Out: 1595.172+/-0.376 χ^2/NDF:52764130.3/55

All: 2386.248+/-0.352 χ^2/NDF: 92621524.2/

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2189.364+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2610.162+/-540.450 χ^2/NDF: 21.8/29

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

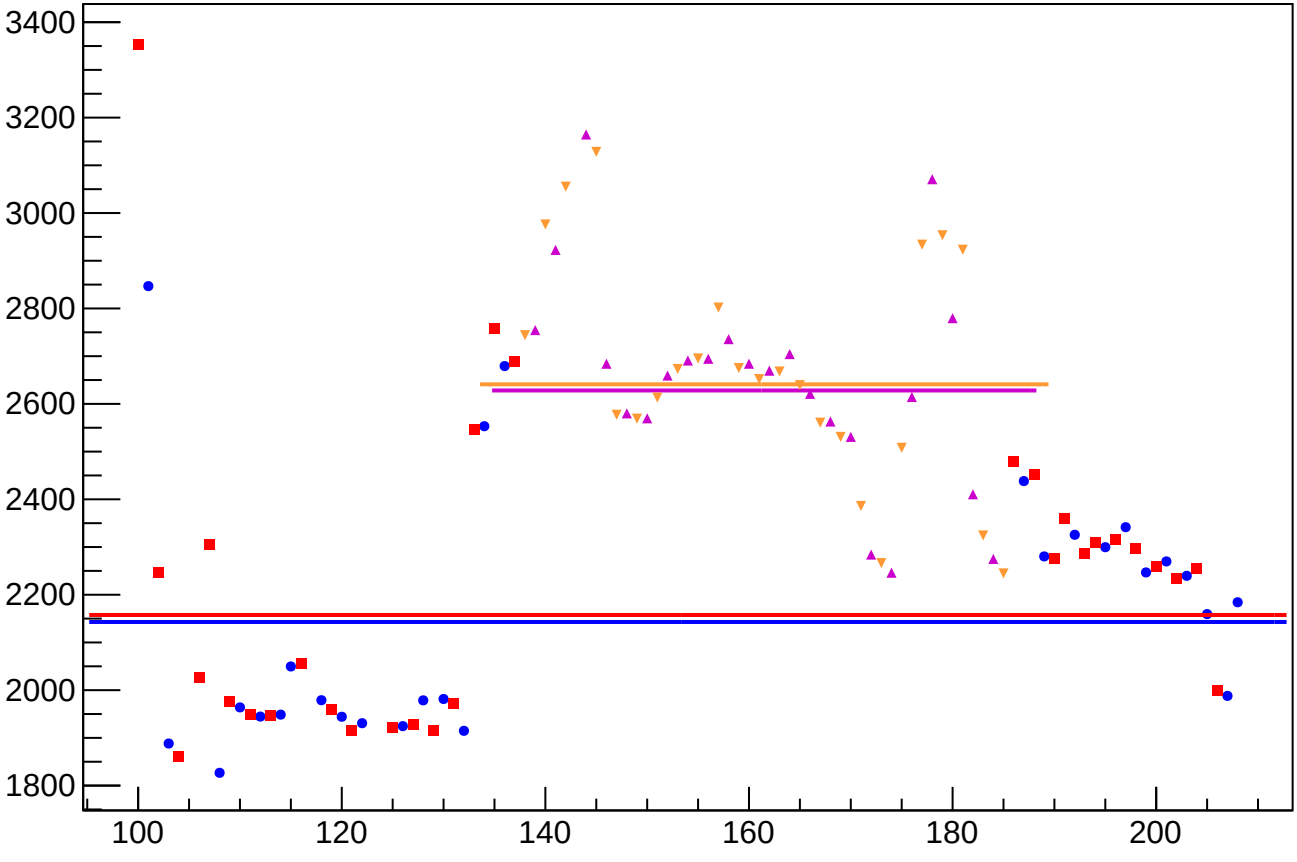
Right: 2400.462+/-382.790 χ^2/NDF: 34.4/56

In: 2432.318+/-407.053 χ^2/NDF:28.1/49

Out: 1536.326+/-406.178 χ^2/NDF:76.7/53

All: 1983.358+/-287.520 χ^2/NDF: 107.3/103

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.1/26

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333058.8/29

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

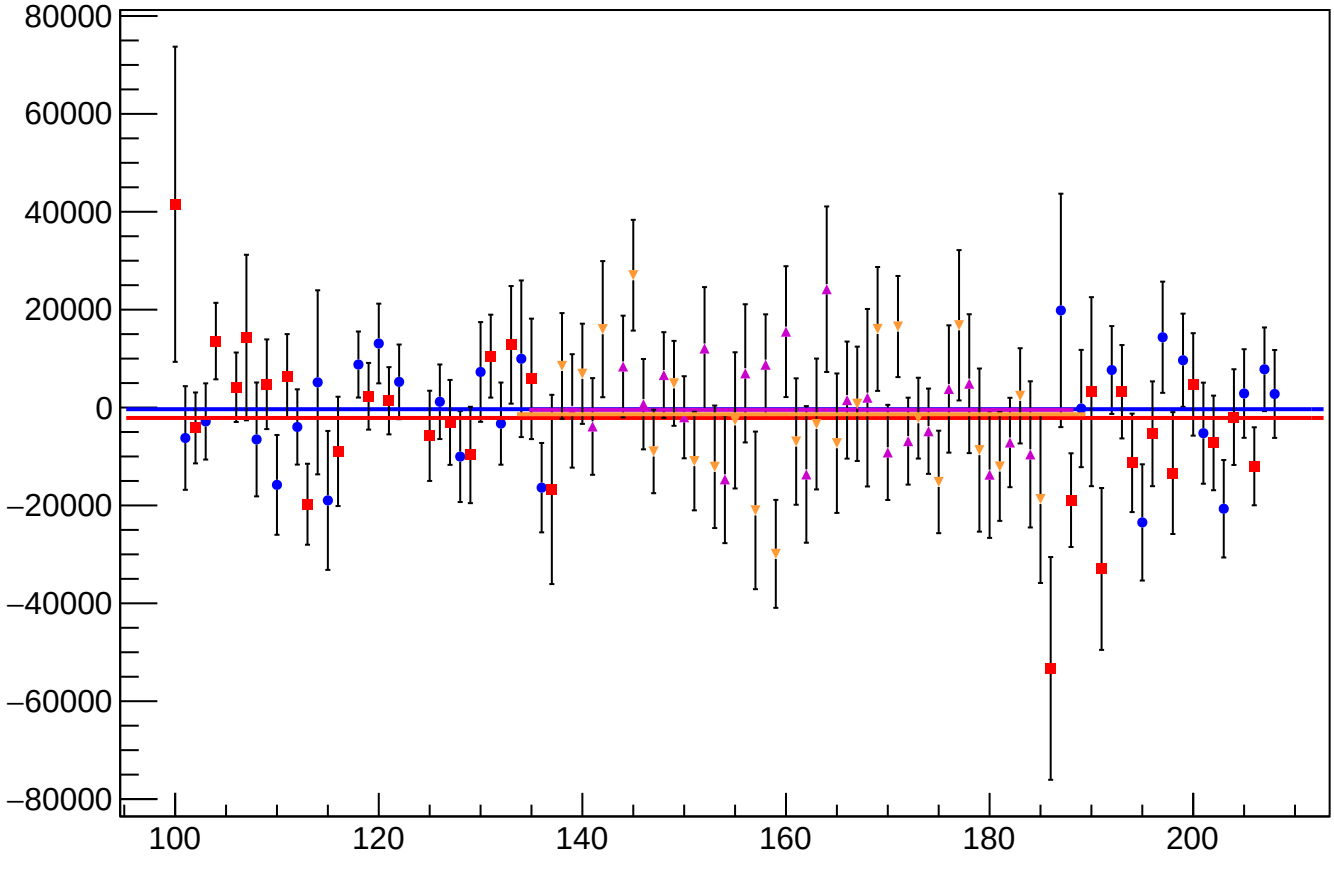
Right: 2150.290+/-0.271 χ^2/NDF: 694244.7/56

In: 2354.708+/-0.288 χ^2/NDF:1296841.3/49

Out: 2367.769+/-0.287 χ^2/NDF:1283206.7/53

All: 2361.255+/-0.203 χ^2/NDF: 2581080.2/10

asym_atl2_dit_correction_mean vs Slug, Sign Corrected



Right In: -335.857+/-1842.049 χ^2/NDF: 29.1/26

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -2127.965+/-1774.940 χ^2/NDF: 36.4/29

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

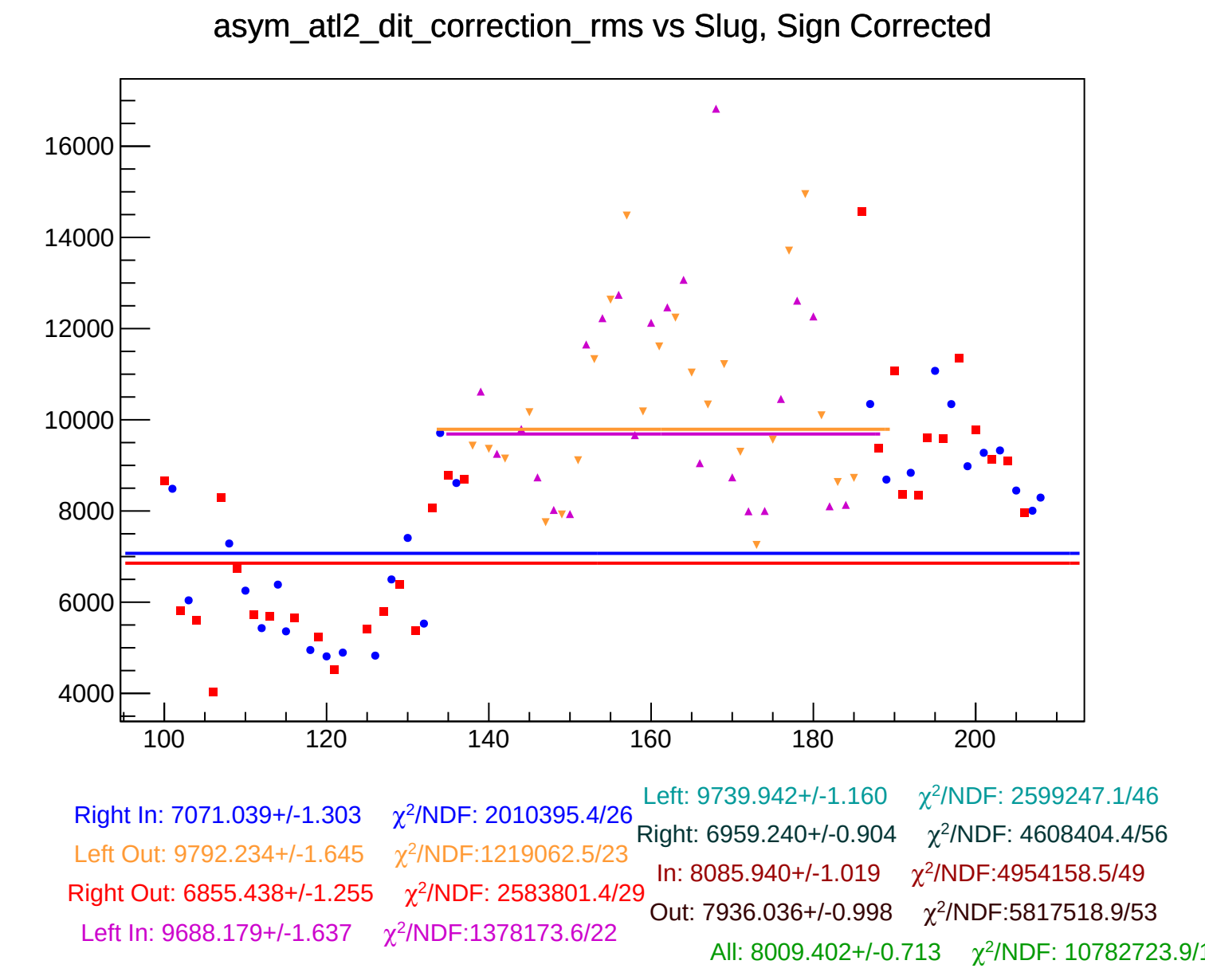
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -1265.150+/-1278.139 χ^2/NDF: 65.9/56

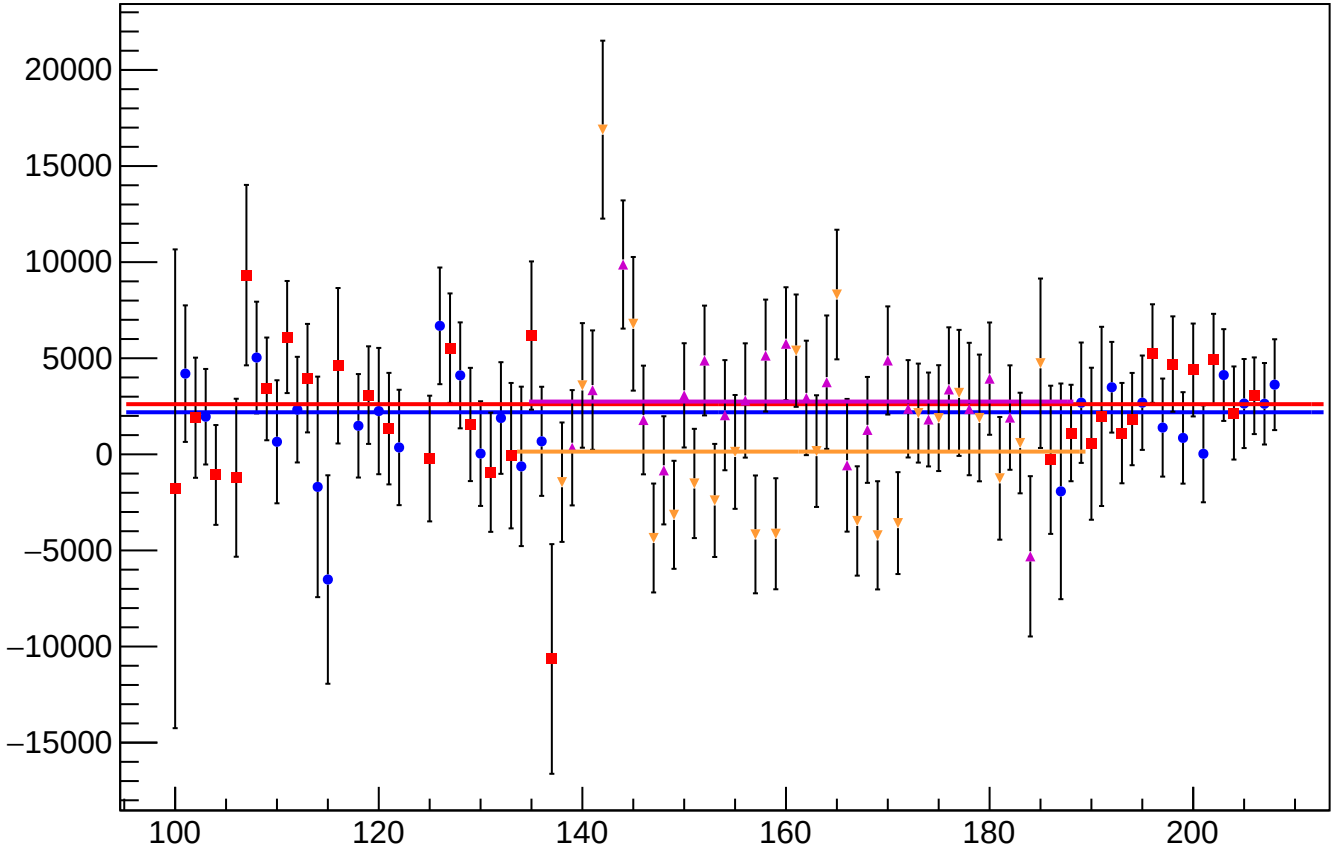
In: -385.463+/-1441.290 χ^2/NDF:42.1/49

Out: -1847.908+/-1411.104 χ^2/NDF:67.7/53

All: -1132.161+/-1008.304 χ^2/NDF: 110.3/10


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7071.039+/-1.303 χ²/NDF: 2010395.4/26
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6855.438+/-1.255 χ²/NDF: 2583801.4/29
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6959.240+/-0.904 χ²/NDF: 4608404.4/56
In: 8085.940+/-1.019 χ²/NDF:4954158.5/49
Out: 7936.036+/-0.998 χ²/NDF:5817518.9/53
All: 8009.402+/-0.713 χ²/NDF: 10782723.9/1

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2189.366+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2610.160+/-540.450 χ^2/NDF: 21.8/29

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

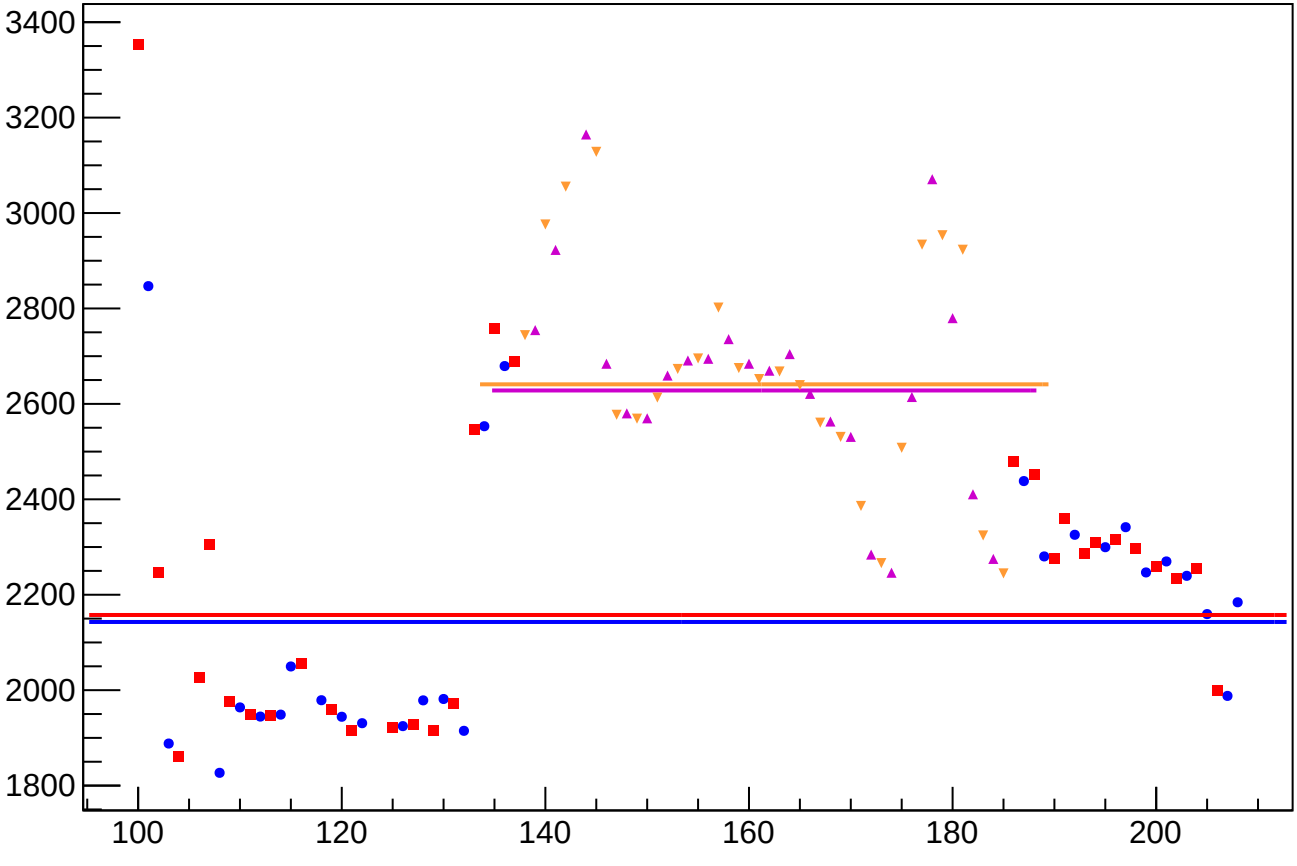
Right: 2400.462+/-382.790 χ^2/NDF: 34.4/56

In: 2432.318+/-407.054 χ^2/NDF:28.1/49

Out: 1536.322+/-406.179 χ^2/NDF:76.7/53

All: 1983.356+/-287.520 χ^2/NDF: 107.3/103

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.0/26

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333059.6/29

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

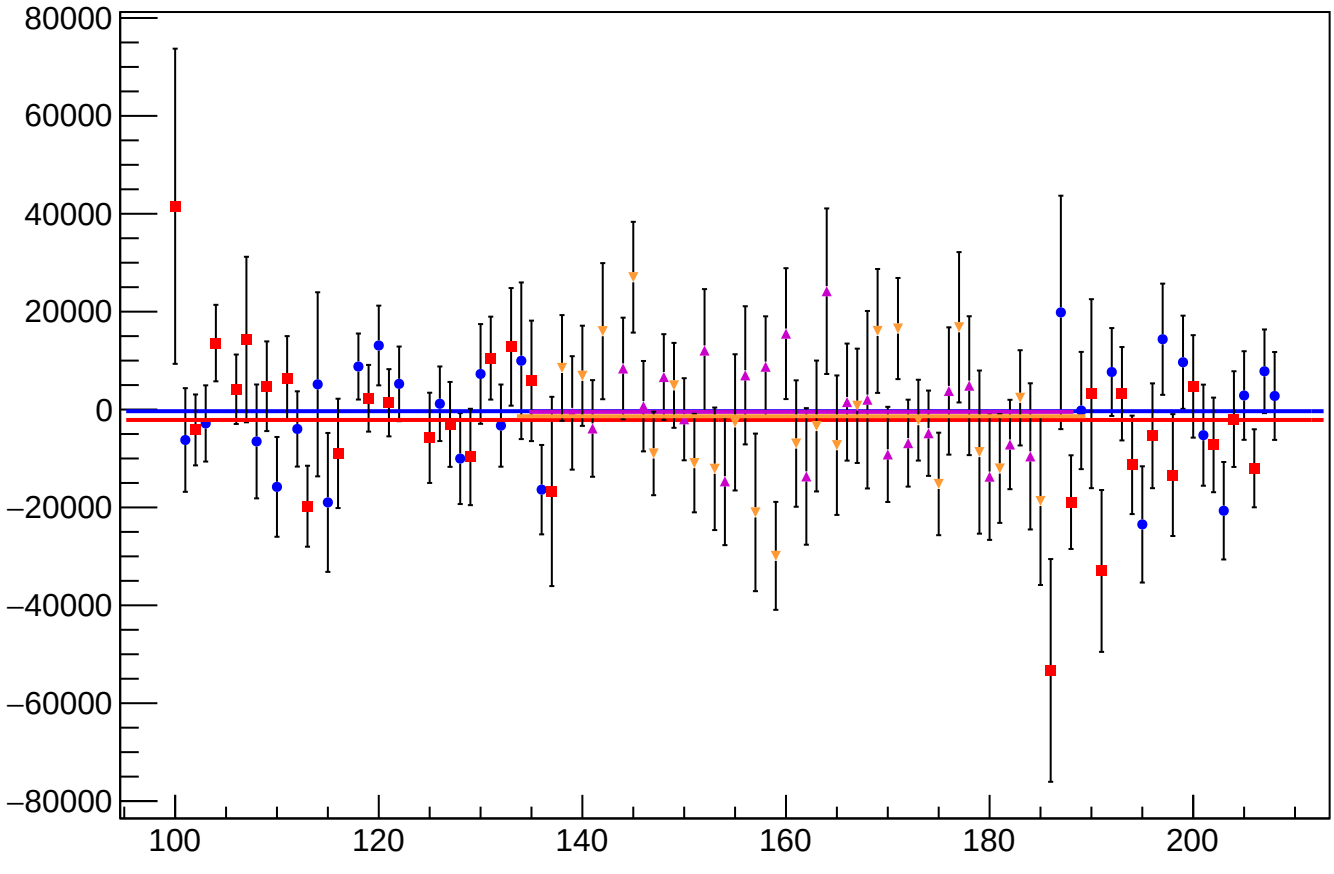
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2150.291+/-0.271 χ^2/NDF: 694245.4/56

In: 2354.709+/-0.288 χ^2/NDF:1296855.4/49

Out: 2367.770+/-0.287 χ^2/NDF:1283222.5/53

All: 2361.256+/-0.203 χ^2/NDF: 2581110.1/10



Right In: -335.851+/-1842.047 χ^2/NDF: 29.1/26

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -2127.950+/-1774.937 χ^2/NDF: 36.4/29

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

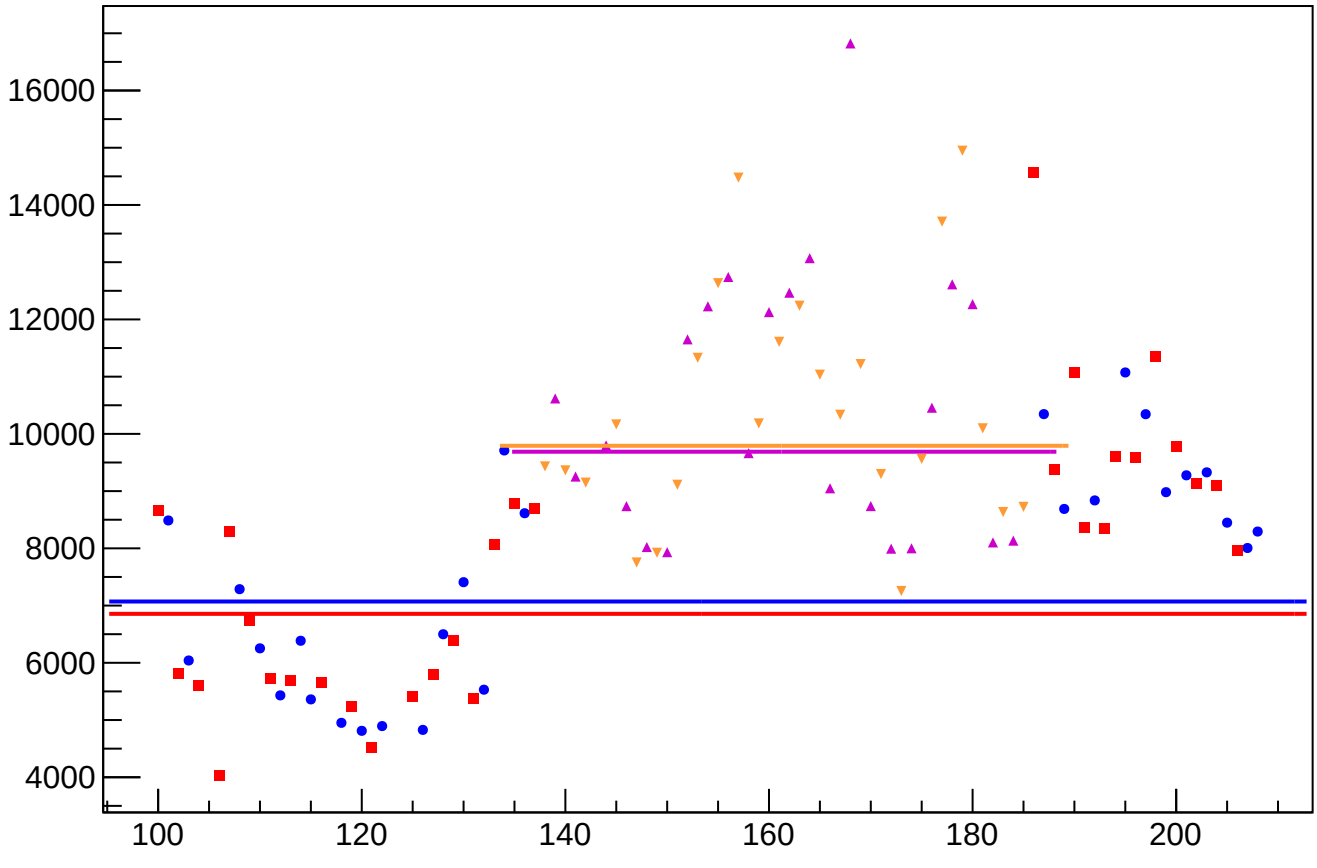
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1265.140+/-1278.137 χ^2/NDF: 65.9/56

In: -385.459+/-1441.290 χ^2/NDF:42.1/49

Out: -1847.903+/-1411.103 χ^2/NDF:67.7/53

All: -1132.157+/-1008.304 χ^2/NDF: 110.3/10



Right In: 7071.027+/-1.303 χ^2/NDF: 2010434.3/26

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6855.425+/-1.255 χ^2/NDF: 2583834.3/29

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

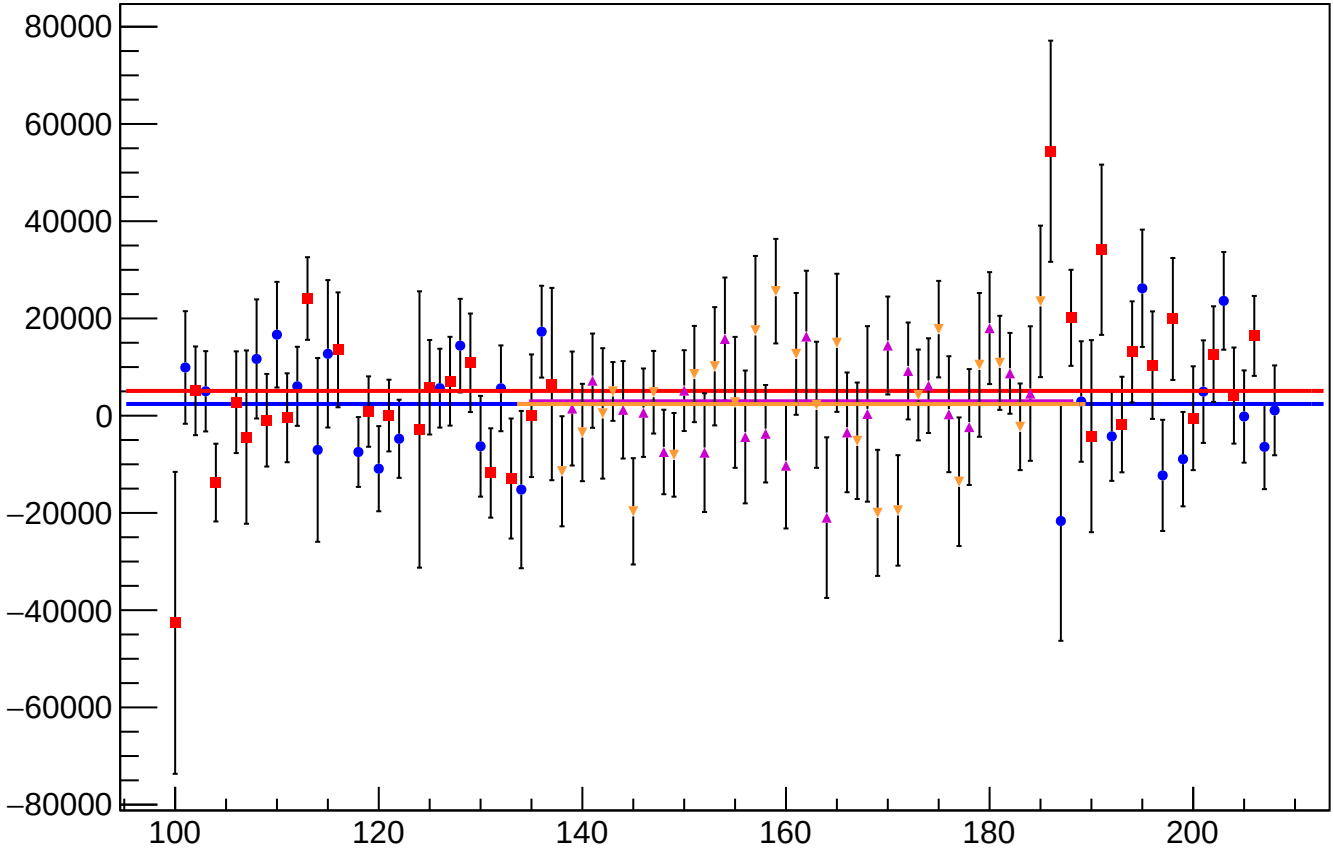
Right: 6959.227+/-0.904 χ^2/NDF: 4608476.3/56

In: 8085.935+/-1.019 χ^2/NDF:4954230.7/49

Out: 7936.030+/-0.998 χ^2/NDF:5817590.5/53

All: 8009.396+/-0.713 χ^2/NDF: 10782867.8/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2411.679+/-1921.667 χ^2/NDF: 29.0/26

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 5095.723+/-1891.326 χ^2/NDF: 37.0/30

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

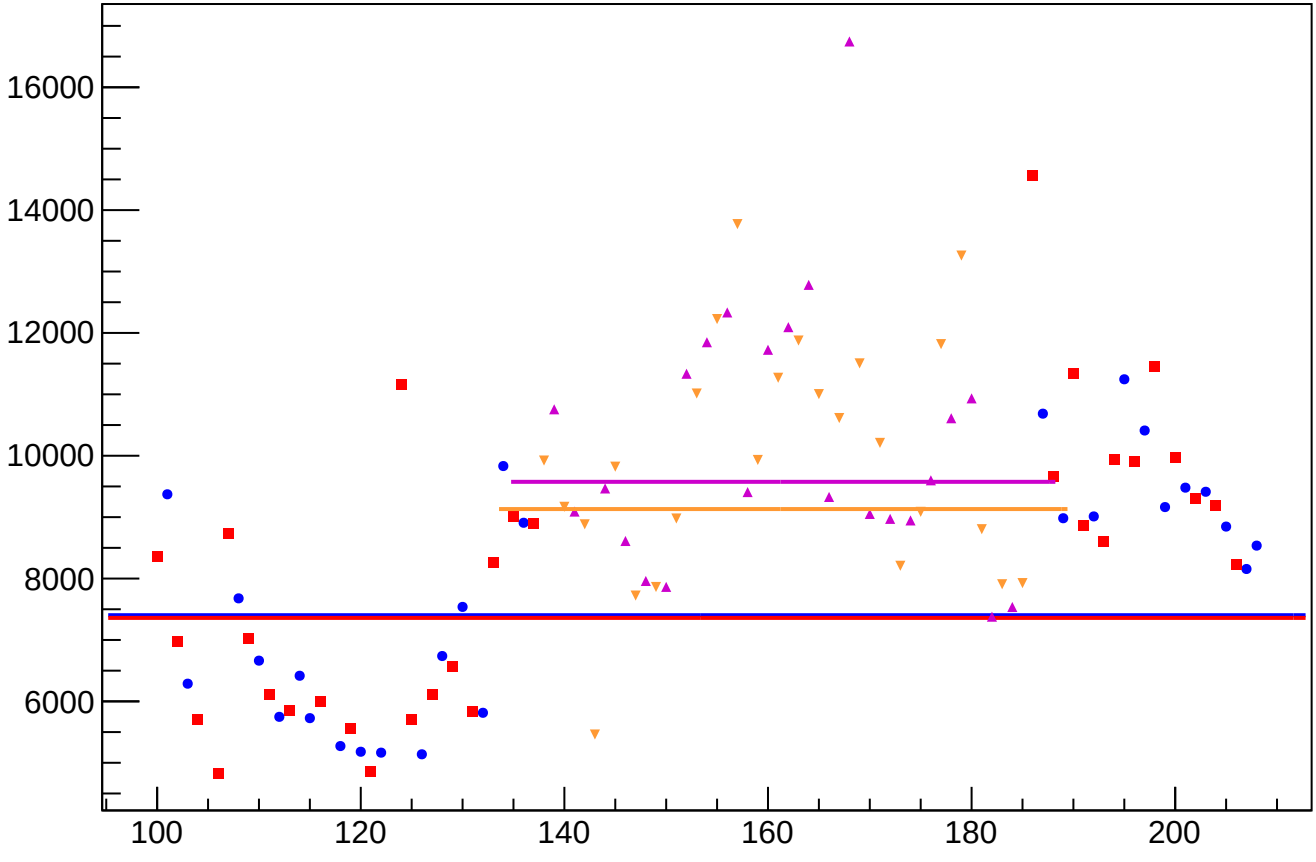
Right: 3775.058+/-1347.969 χ^2/NDF: 66.9/57

In: 2641.010+/-1469.088 χ^2/NDF:42.0/49

Out: 3906.028+/-1416.163 χ^2/NDF:67.6/55

All: 3296.716+/-1019.575 χ^2/NDF: 110.0/105

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7403.305+/-1.359 χ^2/NDF: 1790130.6/26

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7359.320+/-1.337 χ^2/NDF: 2127962.8/30

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

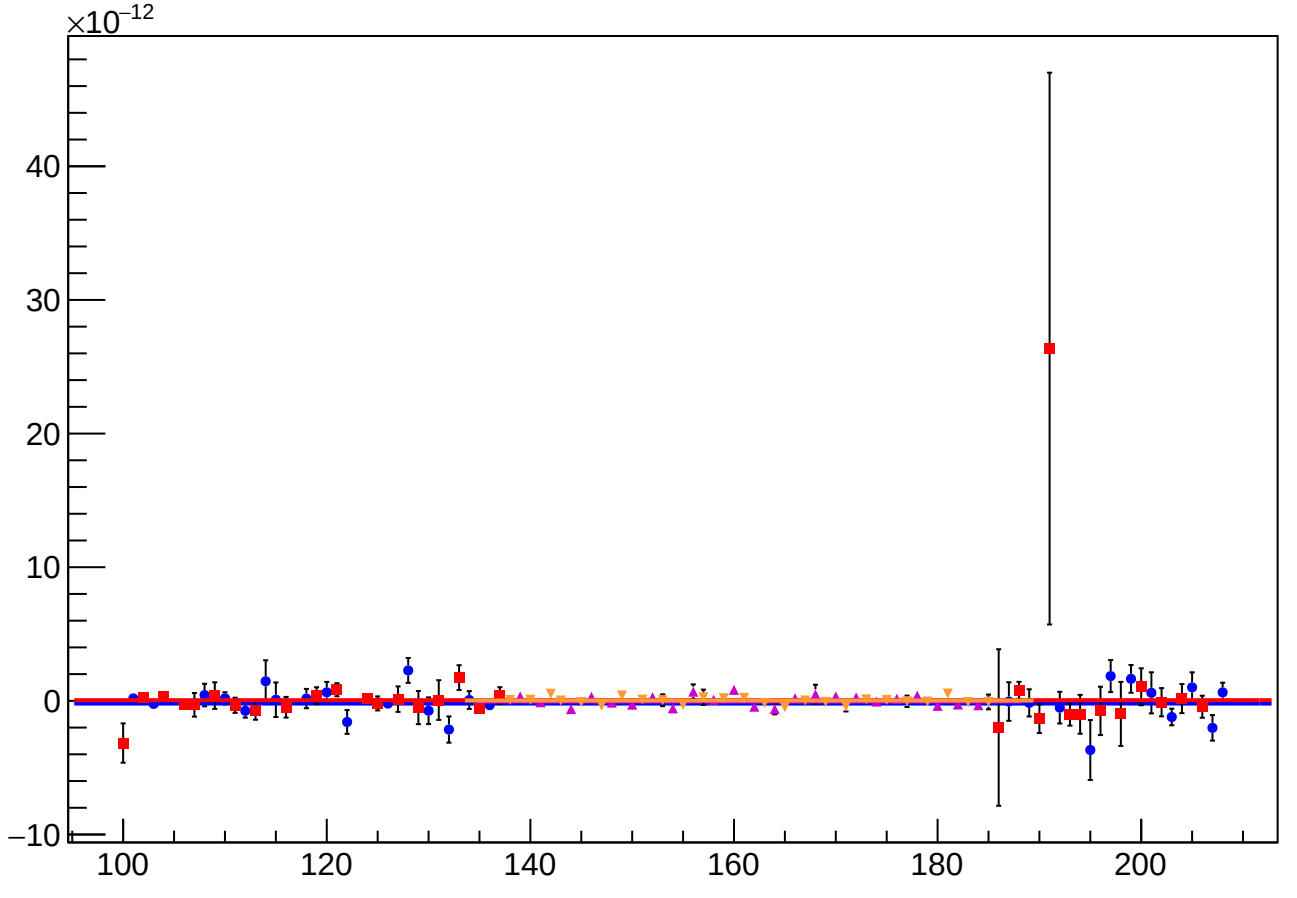
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7380.963+/-0.953 χ^2/NDF: 3918625.7/57

In: 8305.872+/-1.039 χ^2/NDF:4005627.5/49

Out: 8138.016+/-1.001 χ^2/NDF:4711285.1/55

All: 8218.866+/-0.721 χ^2/NDF: 8730446.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

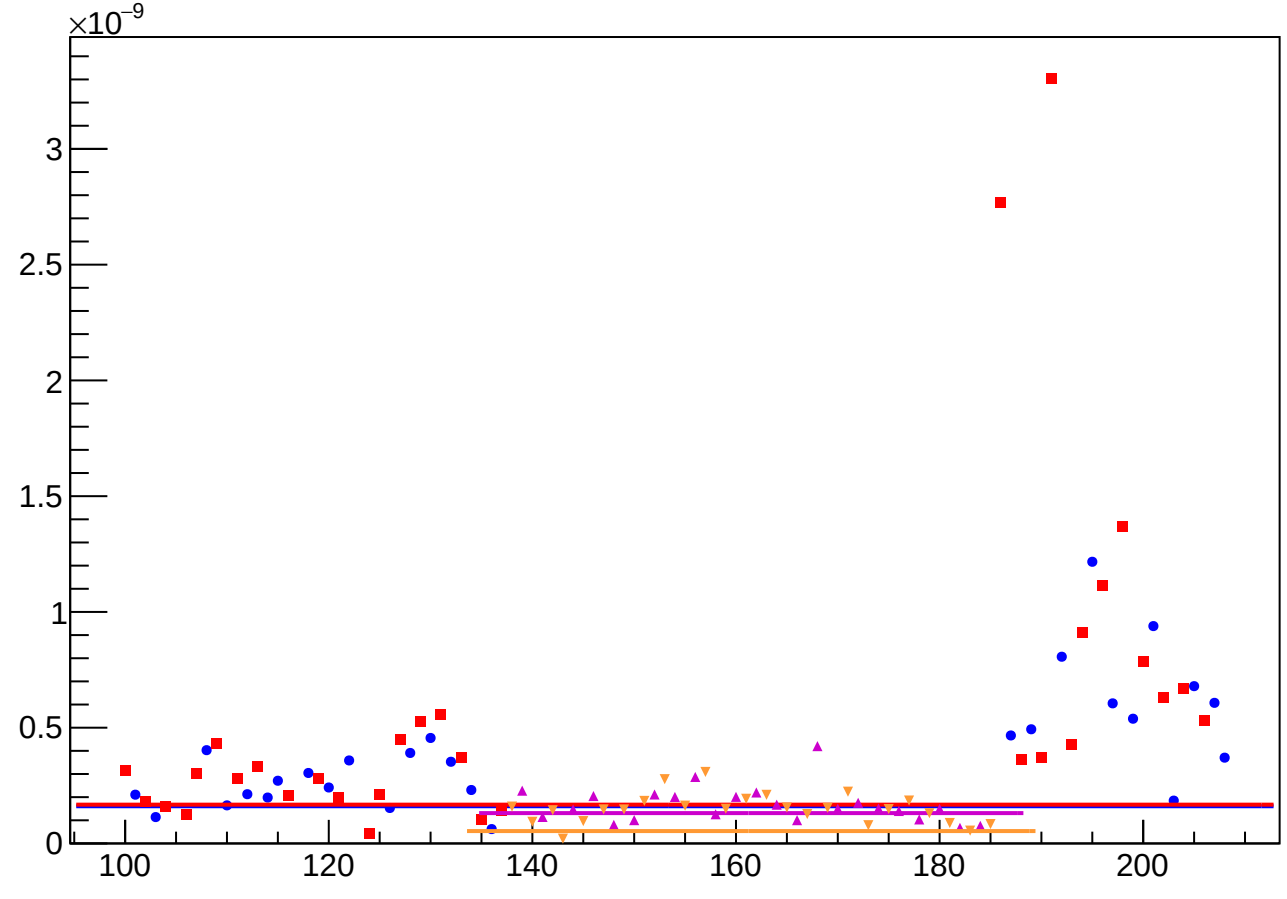
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 71.6/57

In: -0.000+/-0.000 χ^2/NDF:77.3/49

Out: 0.000+/-0.000 χ^2/NDF:47.2/55

All: -0.000+/-0.000 χ^2/NDF: 129.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 5364148.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6626185.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

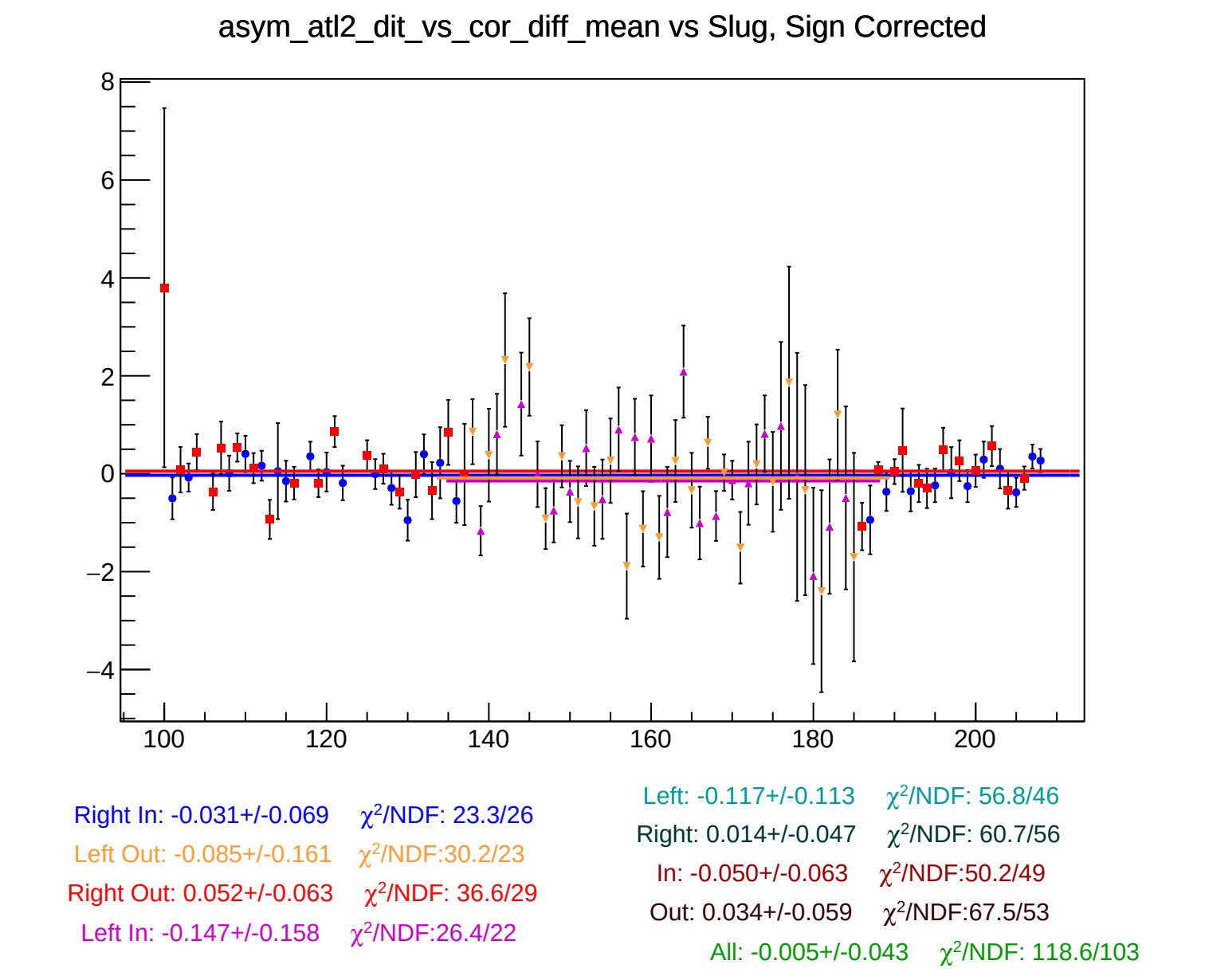
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

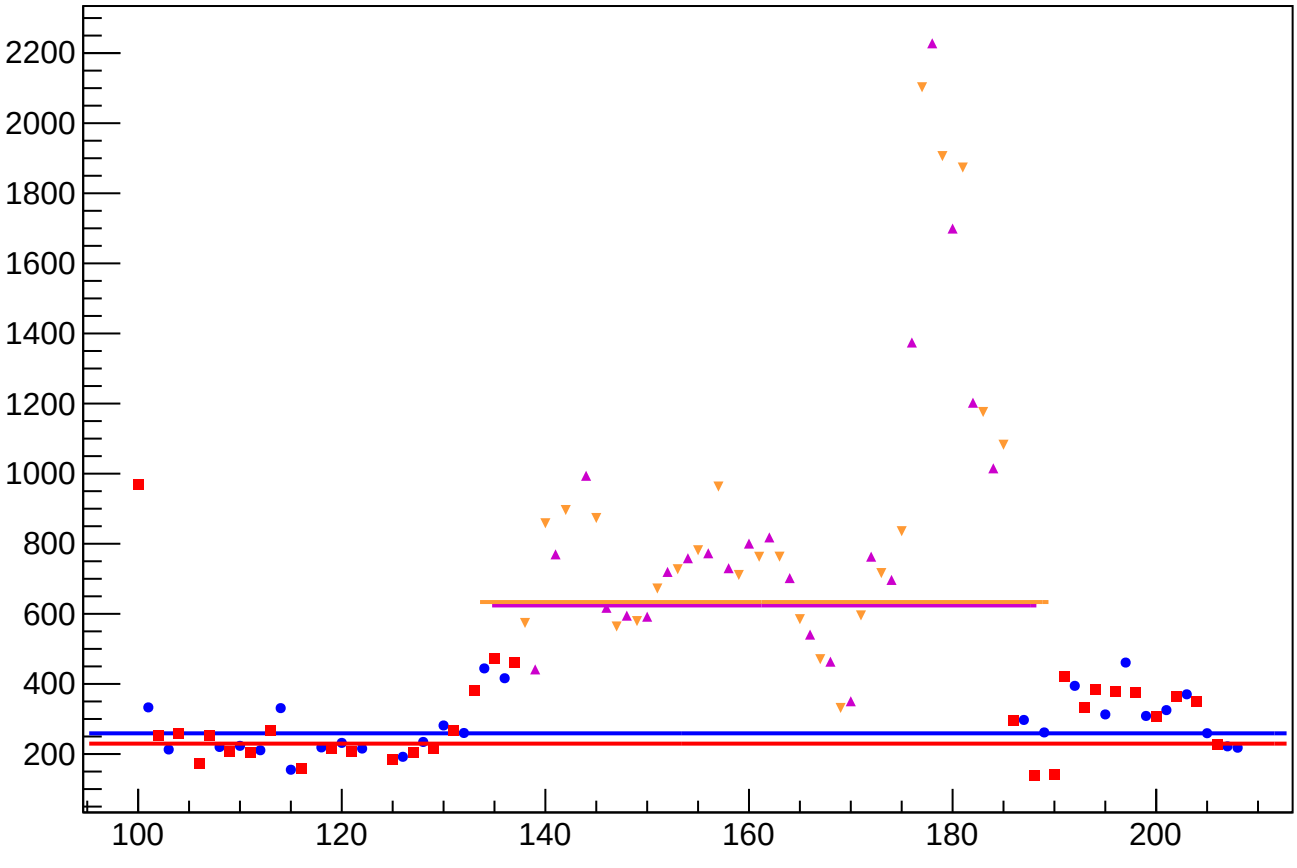
Right: 0.000+/-0.000 χ^2/NDF: 11996044.5/57

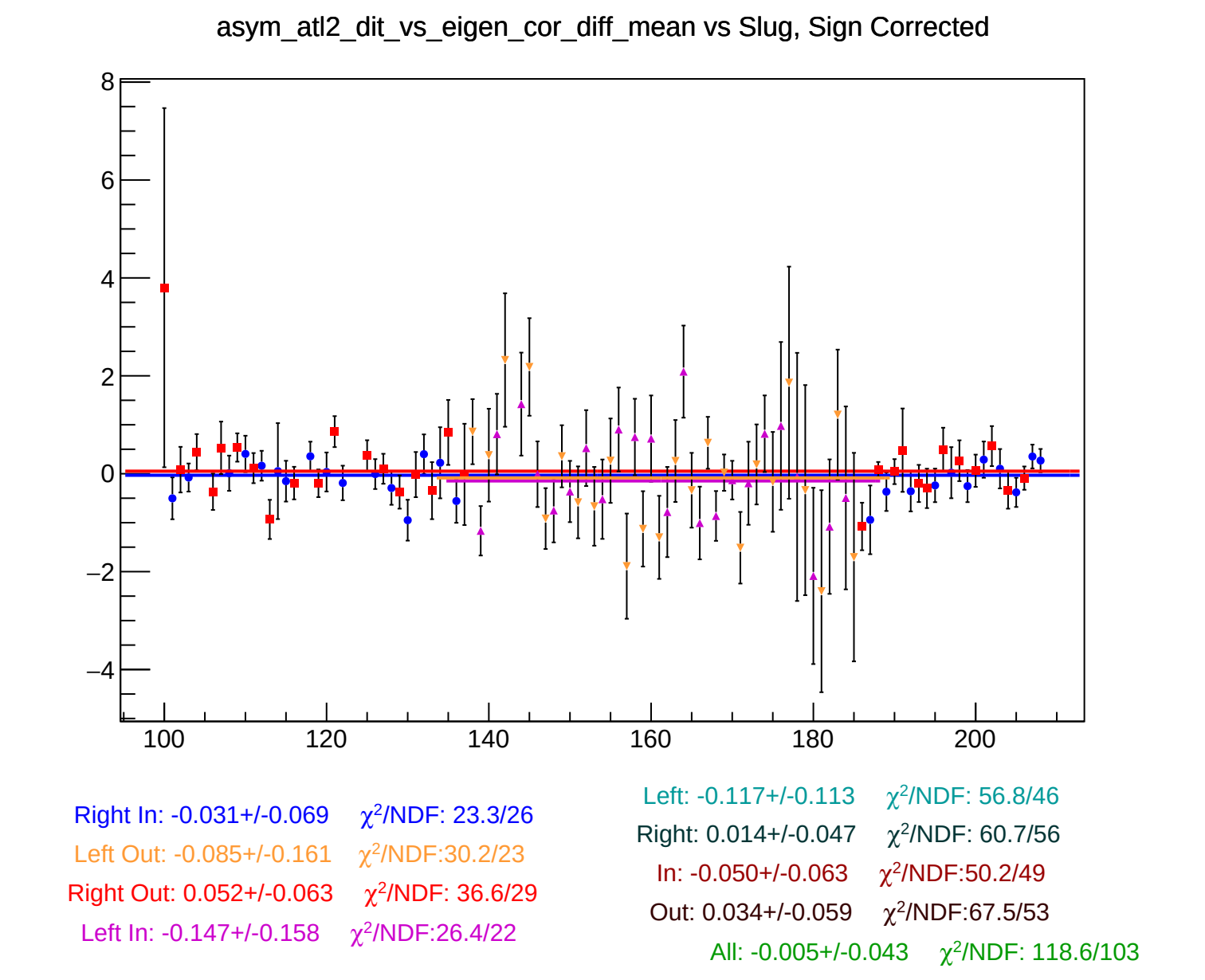
In: 0.000+/-0.000 χ^2/NDF:7424088.3/49

Out: 0.000+/-0.000 χ^2/NDF:16670724.5/55

All: 0.000+/-0.000 χ^2/NDF: 27827320.7/105


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.031+/-0.069 χ²/NDF: 23.3/26
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.014+/-0.047 χ²/NDF: 60.7/56
In: -0.050+/-0.063 χ²/NDF:50.2/49
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.005+/-0.043 χ²/NDF: 118.6/103


asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 259.049+/-0.049 χ²/NDF: 1847622.8/26
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 229.645+/-0.045 χ²/NDF: 3409348.7/29
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 242.990+/-0.033 χ²/NDF: 5454225.4/56
In: 317.636+/-0.045 χ²/NDF:15318128.9/49
Out: 283.158+/-0.042 χ²/NDF:19272057.4/53
All: 299.087+/-0.030 χ²/NDF: 34908408.0/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
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2
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−2
−4
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140
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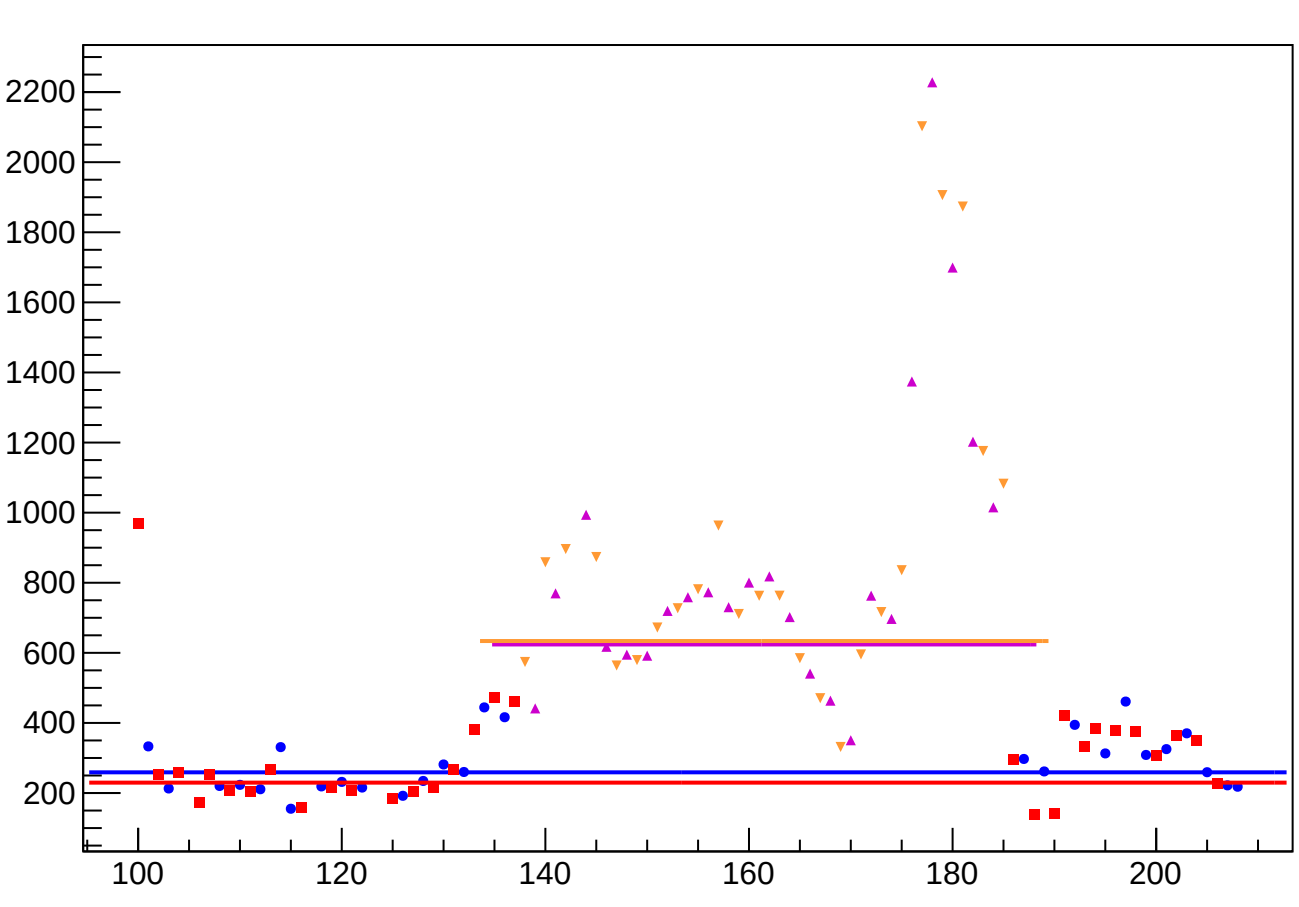
180
200
Right In: -0.031+/-0.069 χ²/NDF: 23.3/26
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.014+/-0.047 χ²/NDF: 60.7/56
In: -0.050+/-0.063 χ²/NDF:50.2/49
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.005+/-0.043 χ²/NDF: 118.6/103



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

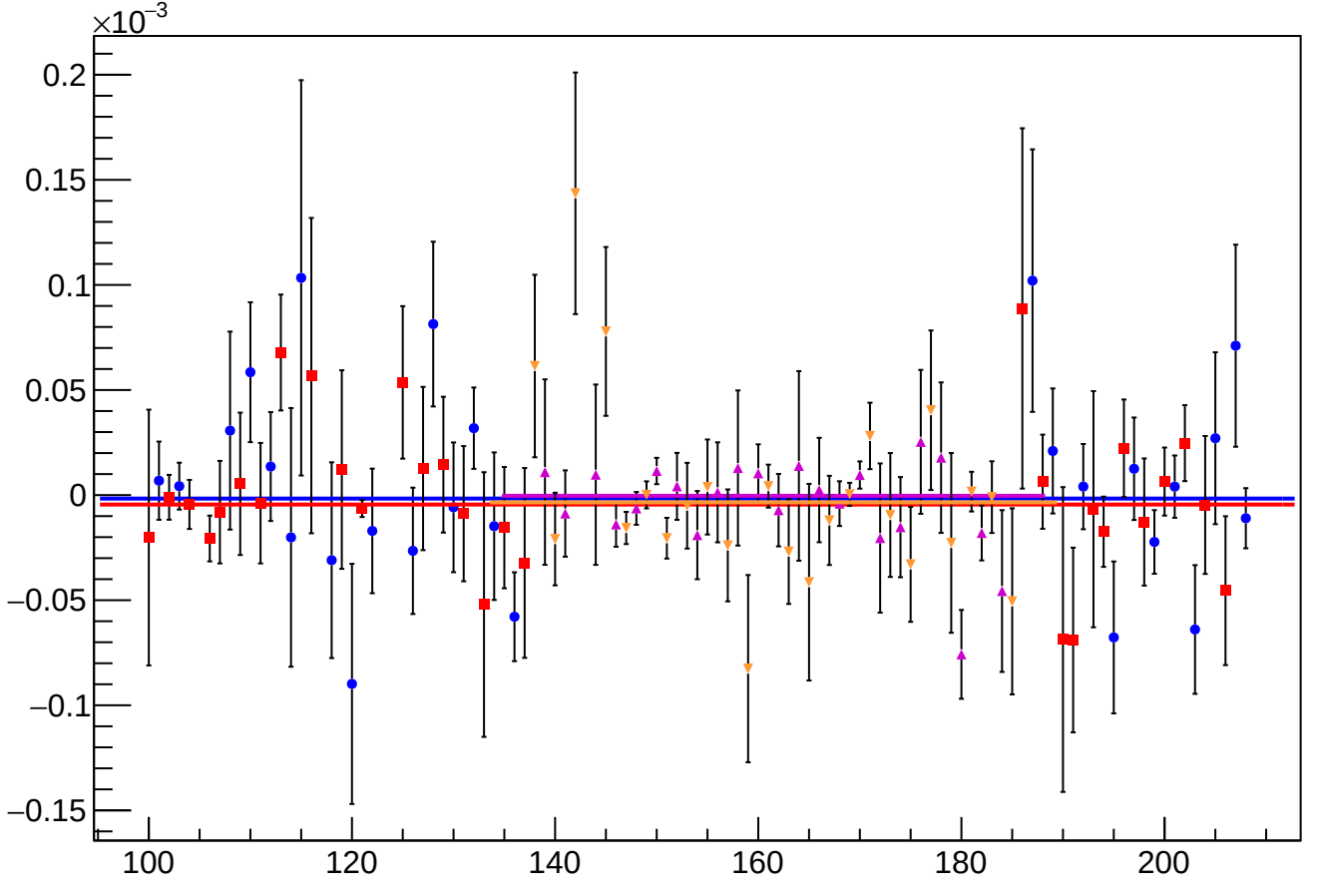
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 242.990+/-0.033 χ^2/NDF: 5454225.4/56

In: 317.636+/-0.045 χ^2/NDF:15318128.9/49

Out: 283.158+/-0.042 χ^2/NDF:19272057.4/53

All: 299.087+/-0.030 χ^2/NDF: 34908408.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

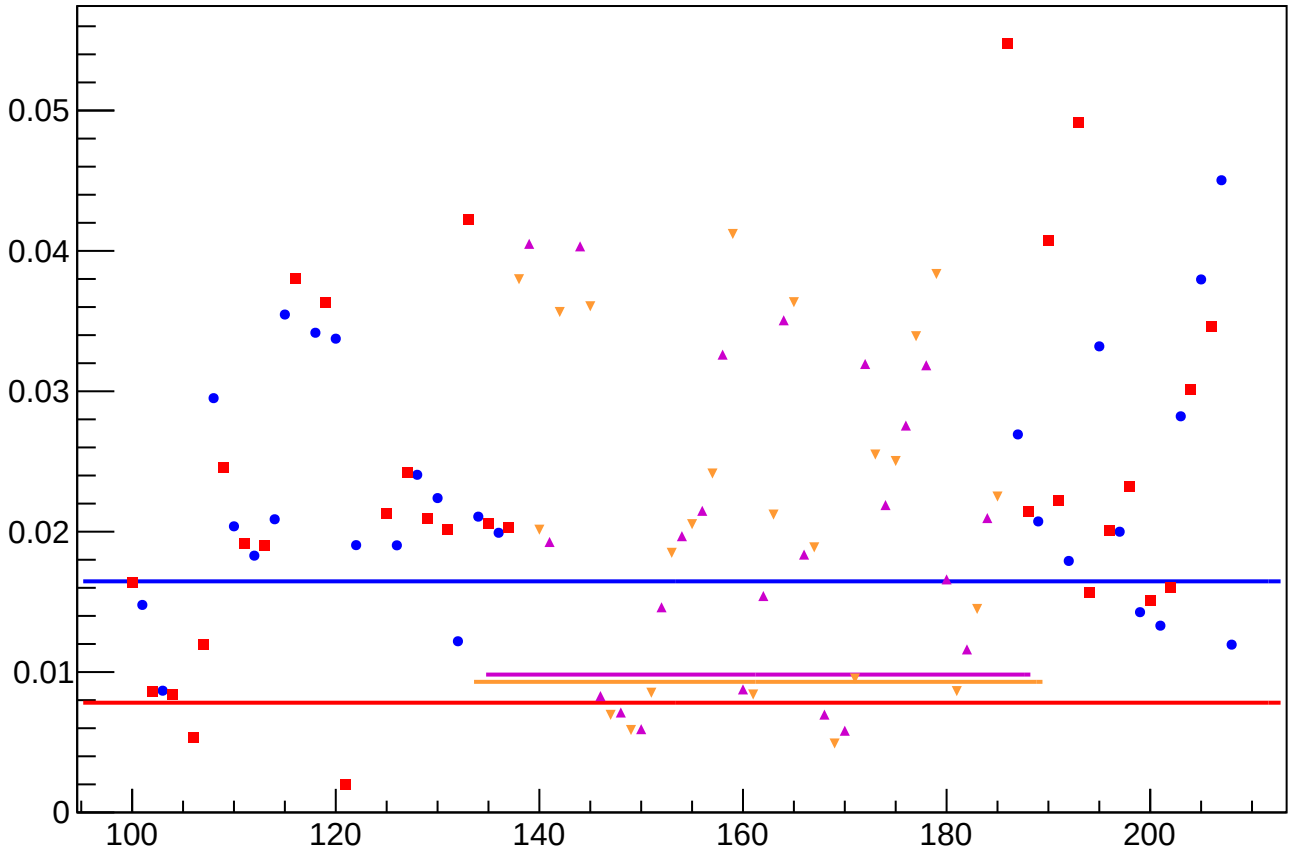
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 66.5/56

In: -0.000+/-0.000 χ^2/NDF:68.8/49

Out: -0.000+/-0.000 χ^2/NDF:59.7/53

All: -0.000+/-0.000 χ^2/NDF: 129.5/103



Right In: 0.016+/-0.000 χ^2/NDF: 4577326.5/26

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16427957.1/29

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

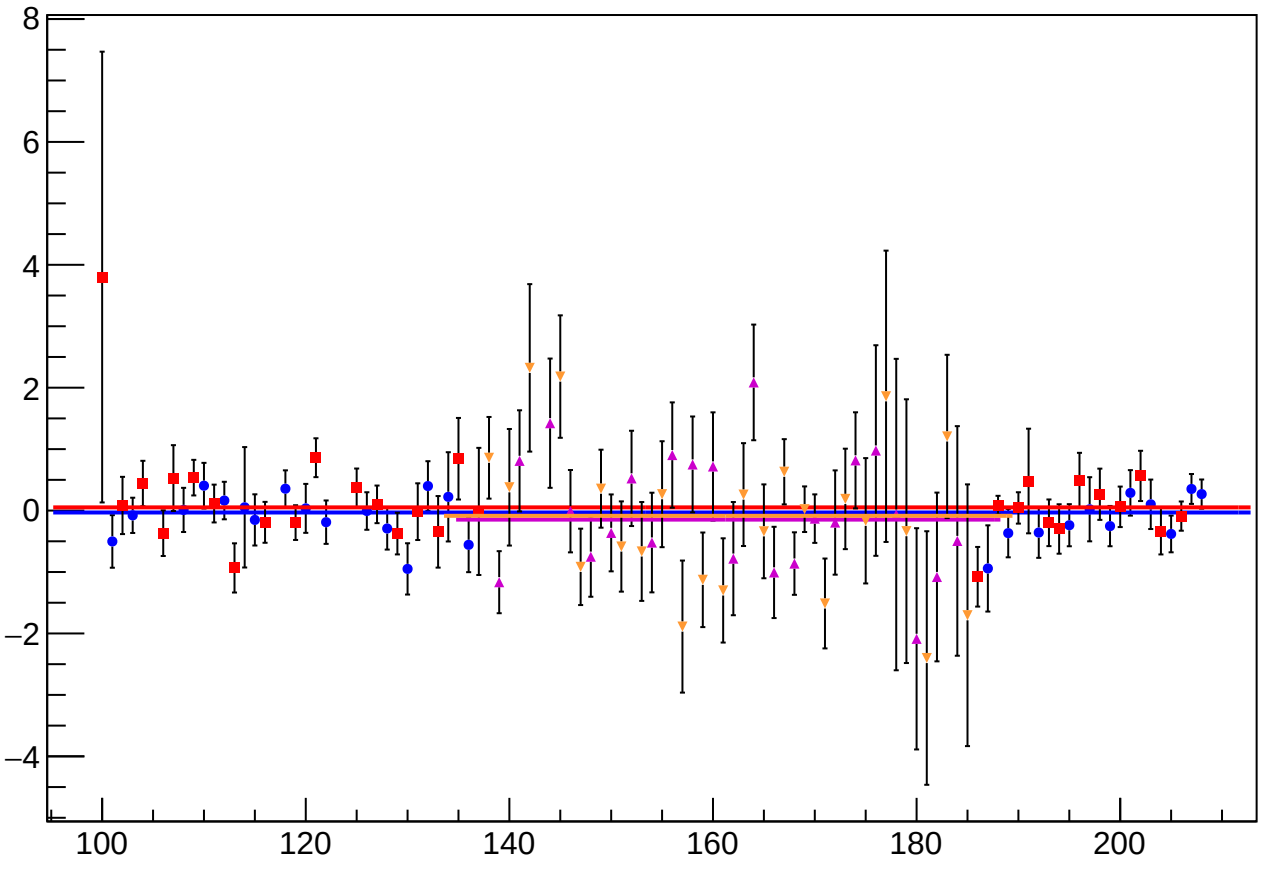
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 25986982.1/56

In: 0.012+/-0.000 χ^2/NDF:17848275.7/49

Out: 0.009+/-0.000 χ^2/NDF:28925386.5/53

All: 0.010+/-0.000 χ^2/NDF: 48663669.9/103



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.052+/-0.063 χ^2/NDF: 36.6/29

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

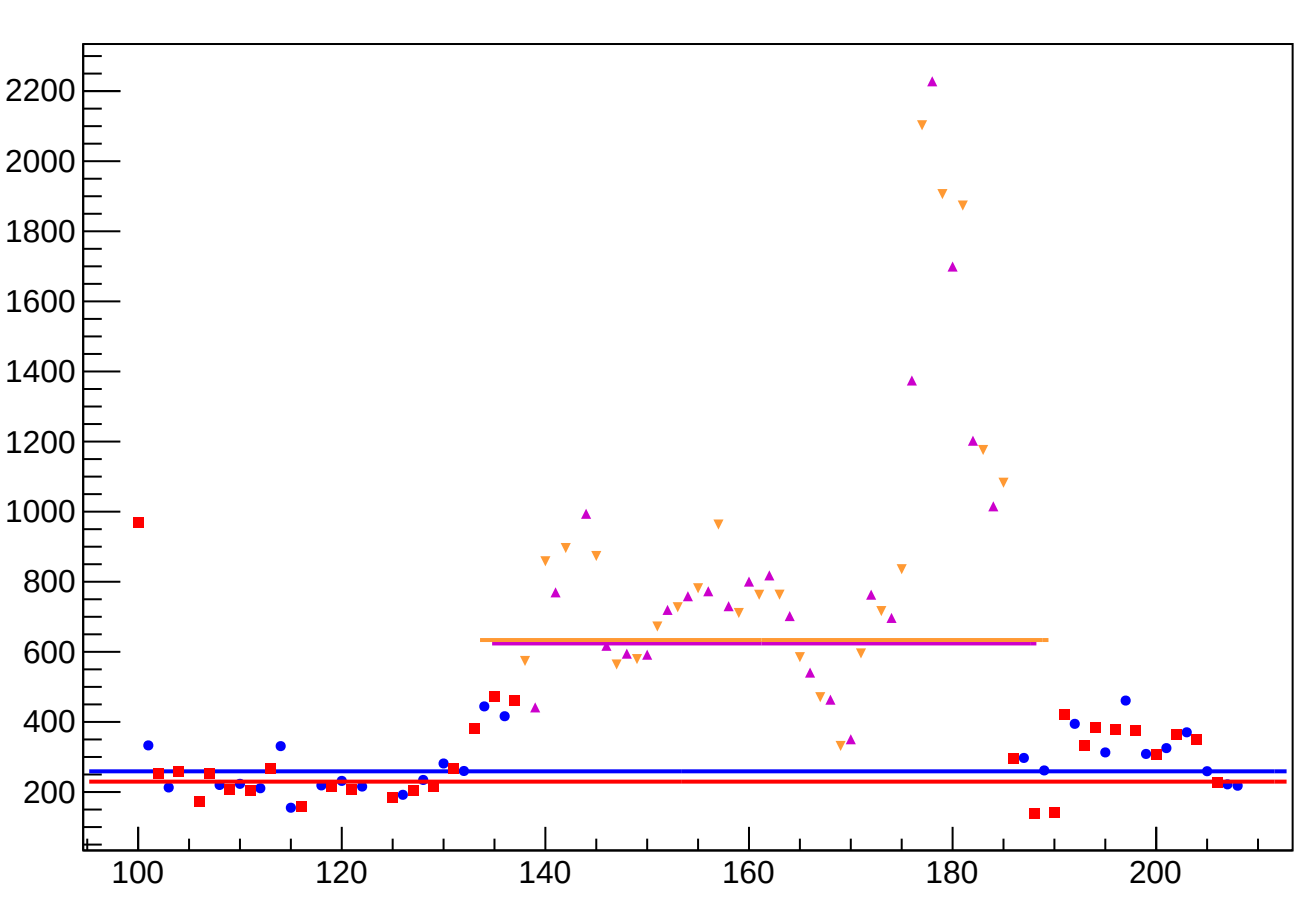
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.014+/-0.047 χ^2/NDF: 60.7/56

In: -0.050+/-0.063 χ^2/NDF:50.2/49

Out: 0.034+/-0.059 χ^2/NDF:67.5/53

All: -0.005+/-0.043 χ^2/NDF: 118.6/103


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
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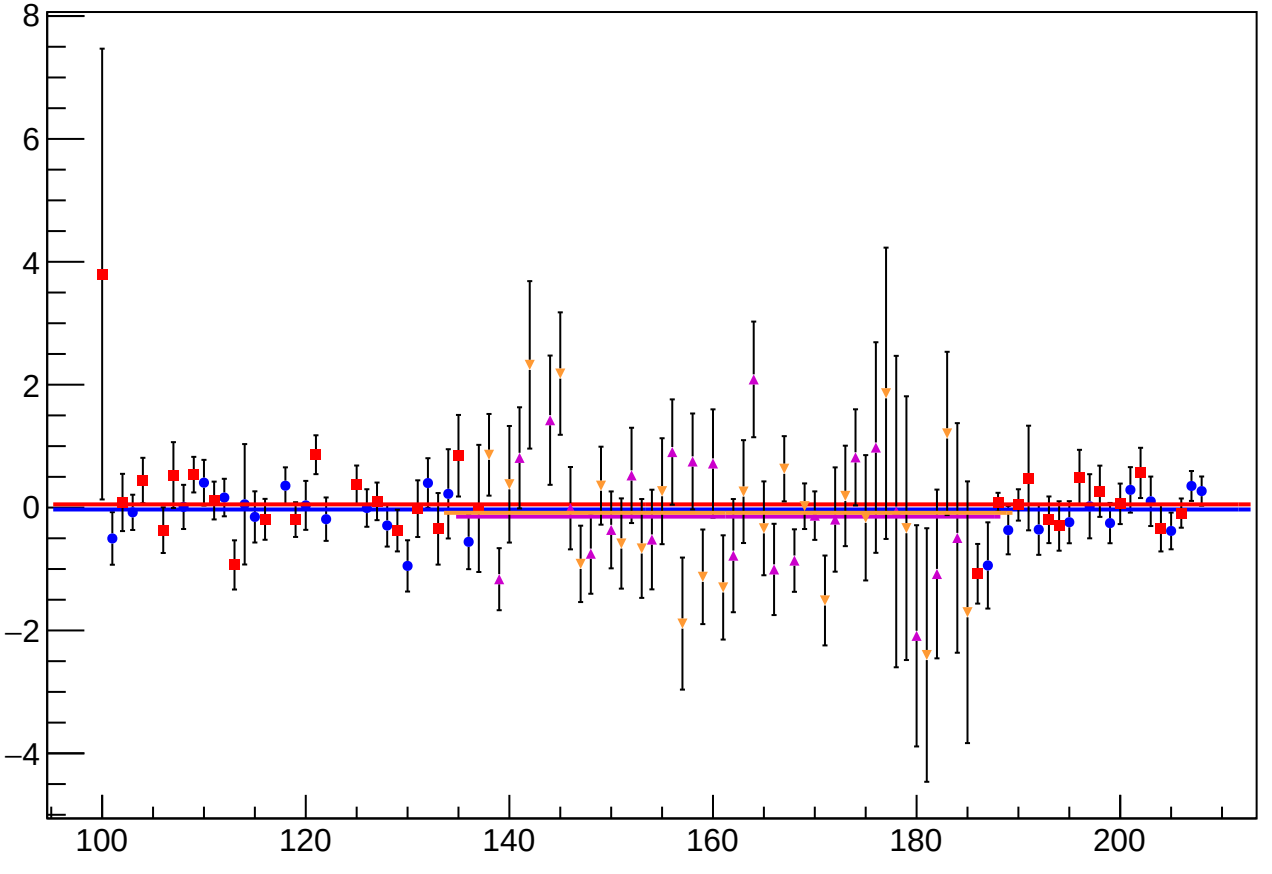
160
180
200
Right In: 259.051+/-0.049 χ²/NDF: 1847596.5/26
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 229.643+/-0.045 χ²/NDF: 3409511.7/29
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 242.989+/-0.033 χ²/NDF: 5454401.8/56
In: 317.637+/-0.045 χ²/NDF:15318174.9/49
Out: 283.156+/-0.042 χ²/NDF:19272469.6/53
All: 299.087+/-0.030 χ²/NDF: 34908929.5/10

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.052+/-0.063 χ^2/NDF: 36.6/29

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

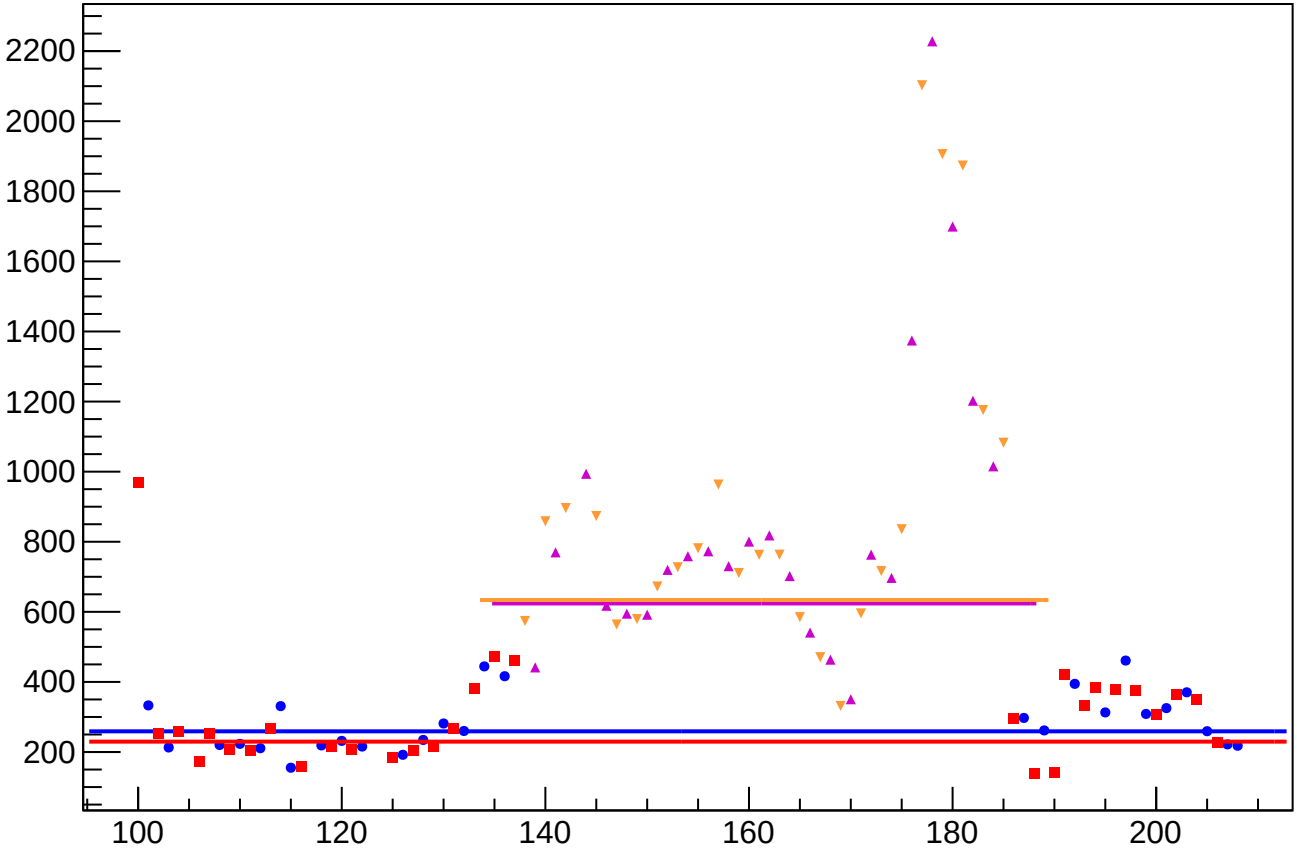
Right: 0.014+/-0.047 χ^2/NDF: 60.7/56

In: -0.050+/-0.063 χ^2/NDF:50.2/49

Out: 0.034+/-0.059 χ^2/NDF:67.5/53

All: -0.005+/-0.043 χ^2/NDF: 118.6/103

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 259.051+/-0.049 χ^2/NDF: 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

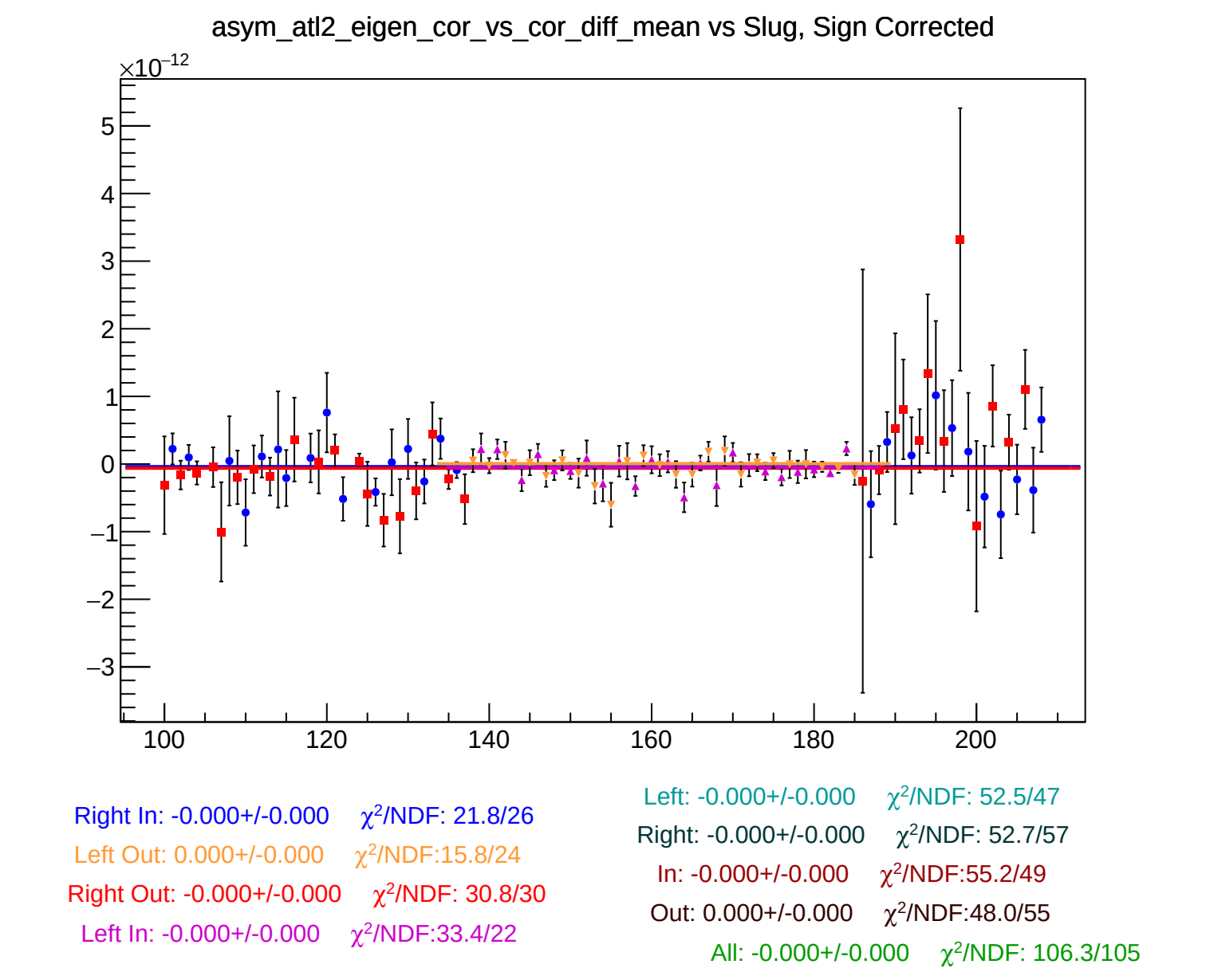
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

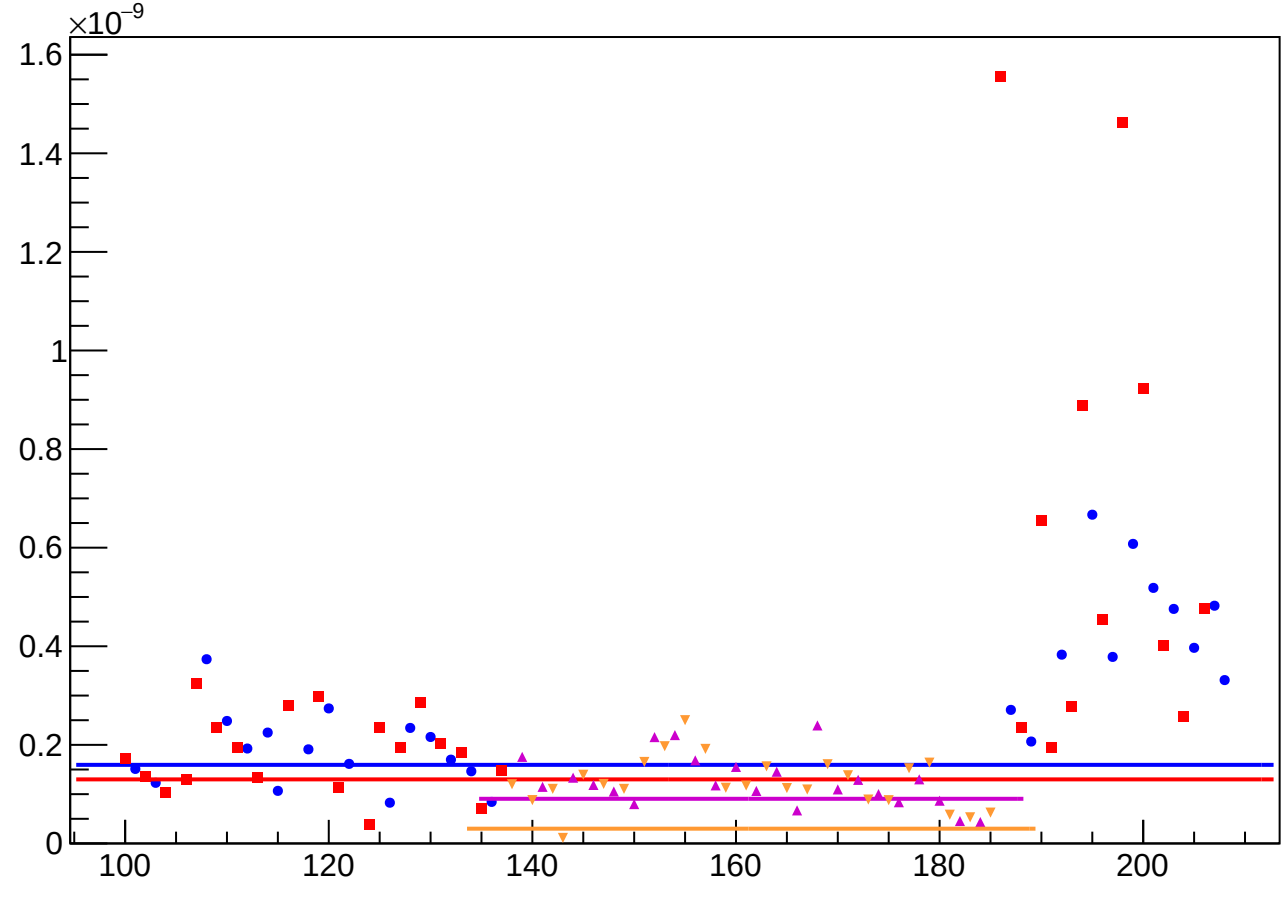
Right: 242.989+/-0.033 χ^2/NDF: 5454401.8/56

In: 317.637+/-0.045 χ^2/NDF:15318174.9/49

Out: 283.156+/-0.042 χ^2/NDF:19272469.6/53

All: 299.087+/-0.030 χ^2/NDF: 34908929.5/10


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.8/26
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.8/30
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: 52.7/57
In: -0.000+/-0.000 χ²/NDF:55.2/49
Out: 0.000+/-0.000 χ²/NDF:48.0/55
All: -0.000+/-0.000 χ²/NDF: 106.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 5384374.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8292203.0/30

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

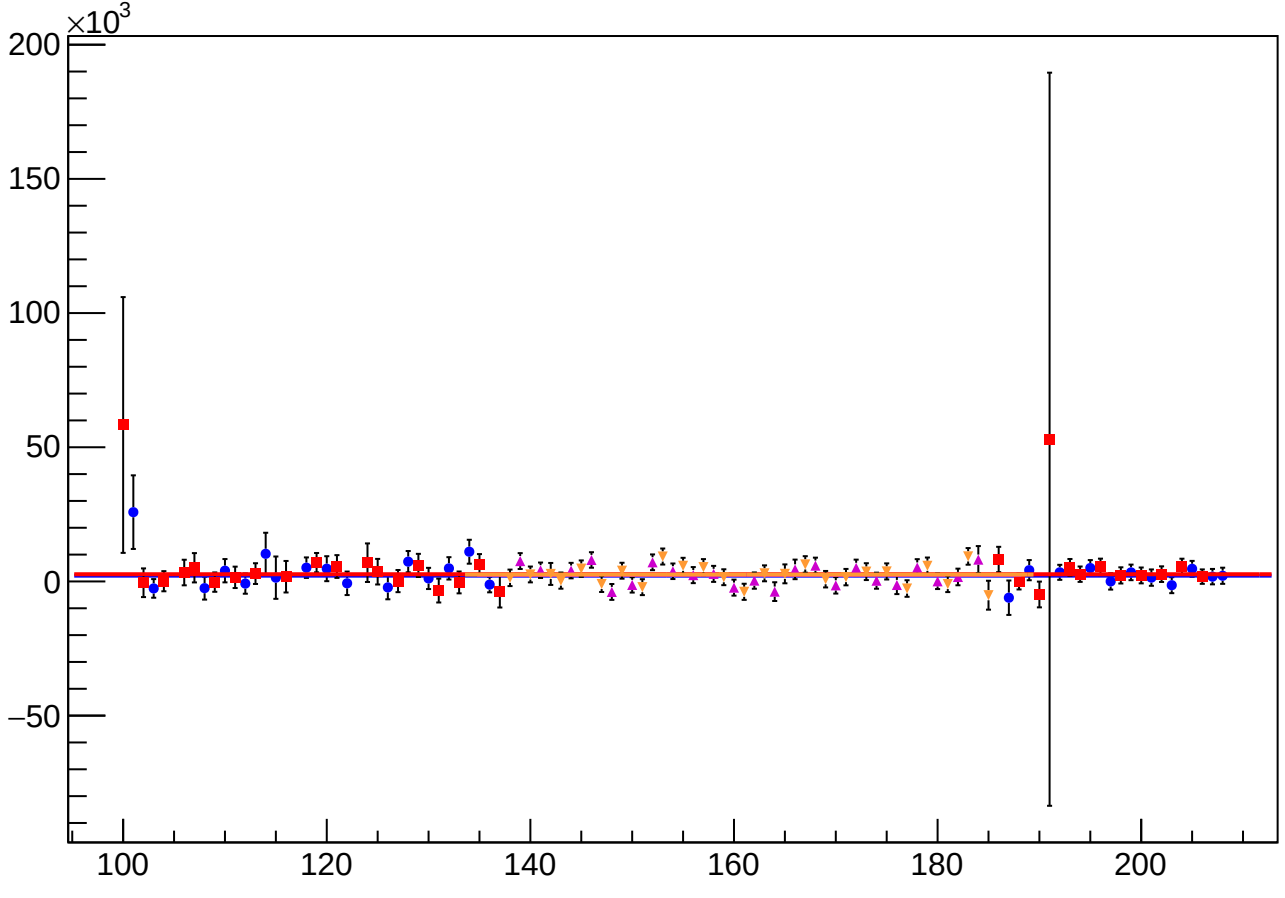
Right: 0.000+/-0.000 χ^2/NDF: 13918485.1/57

In: 0.000+/-0.000 χ^2/NDF:12073675.2/49

Out: 0.000+/-0.000 χ^2/NDF:31544388.9/55

All: 0.000+/-0.000 χ^2/NDF: 54207263.6/105

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2159.465+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2685.249+/-697.119 χ^2/NDF: 18.1/30

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

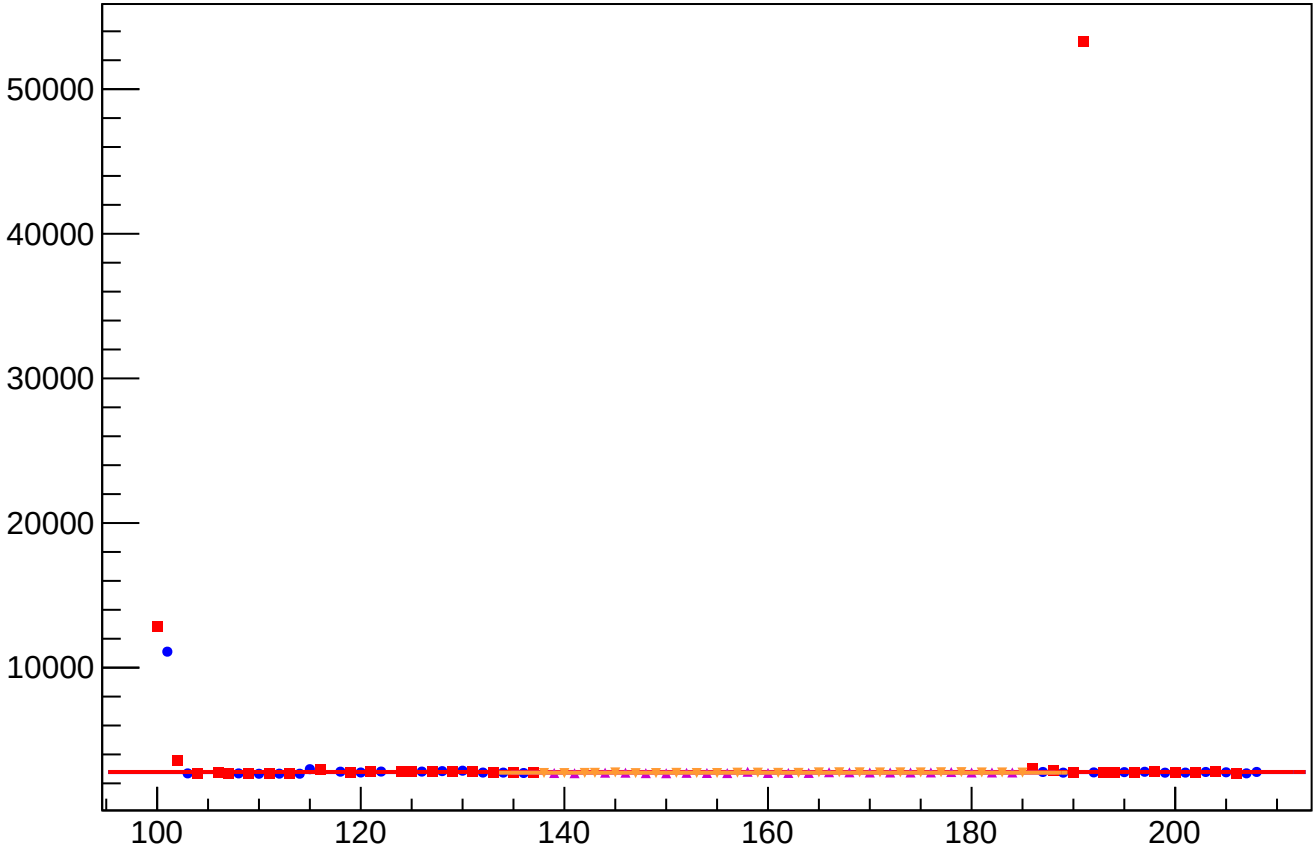
Right: 2425.932+/-496.278 χ^2/NDF: 42.2/57

In: 2296.234+/-474.259 χ^2/NDF:55.2/49

Out: 2613.731+/-464.044 χ^2/NDF:49.7/55

All: 2458.439+/-331.681 χ^2/NDF: 105.2/105

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.656+/-0.500 χ^2/NDF: 750457.2/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.166+/-0.493 χ^2/NDF: 481393.9/30

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

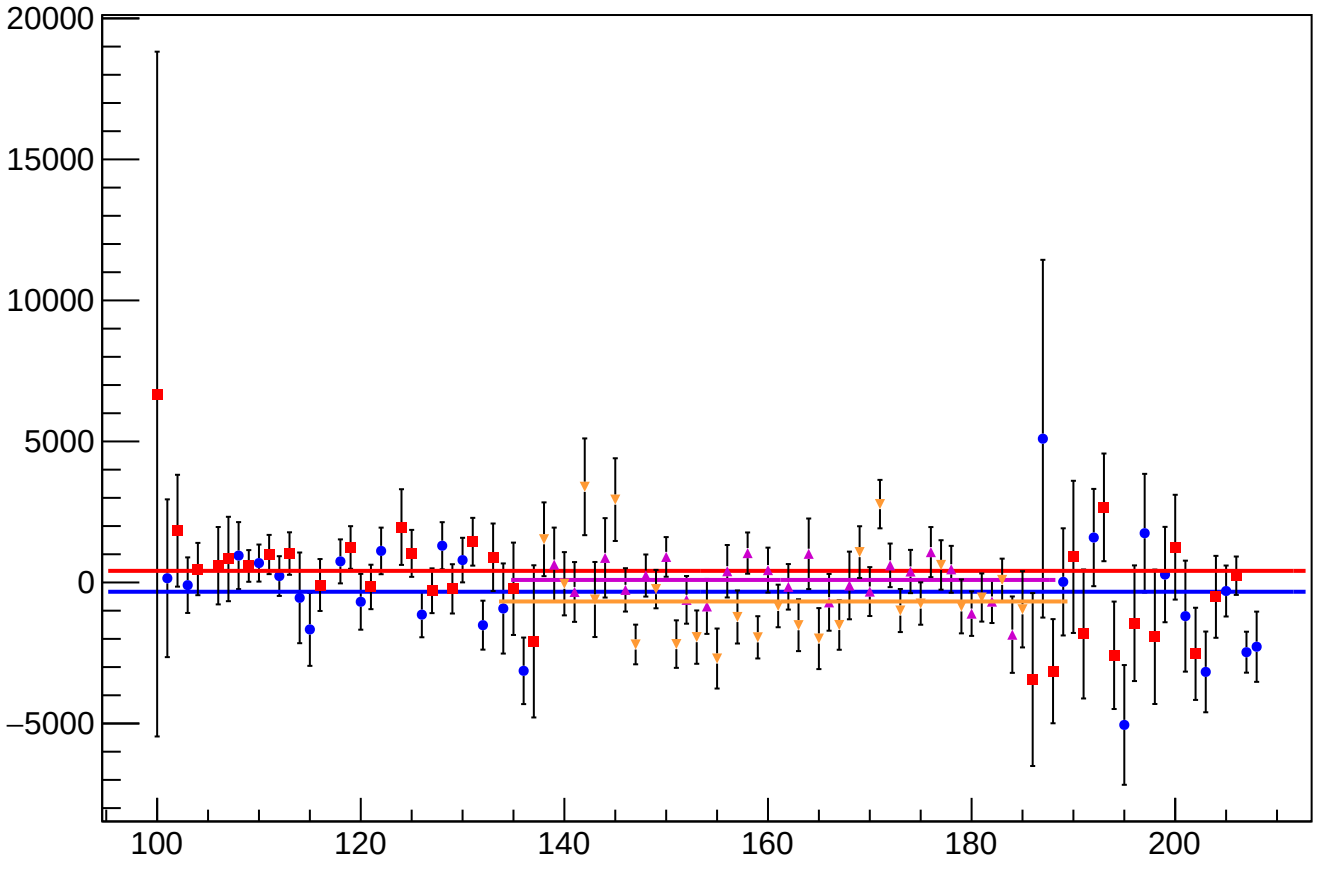
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.462+/-0.351 χ^2/NDF: 1231965.6/57

In: 2757.786+/-0.335 χ^2/NDF:757304.7/49

Out: 2759.517+/-0.328 χ^2/NDF:489360.6/55

All: 2758.671+/-0.235 χ^2/NDF: 1246678.8/10



Right In: -329.137+/-202.895 χ^2/NDF: 48.3/26

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 411.405+/-194.502 χ^2/NDF: 26.1/30

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

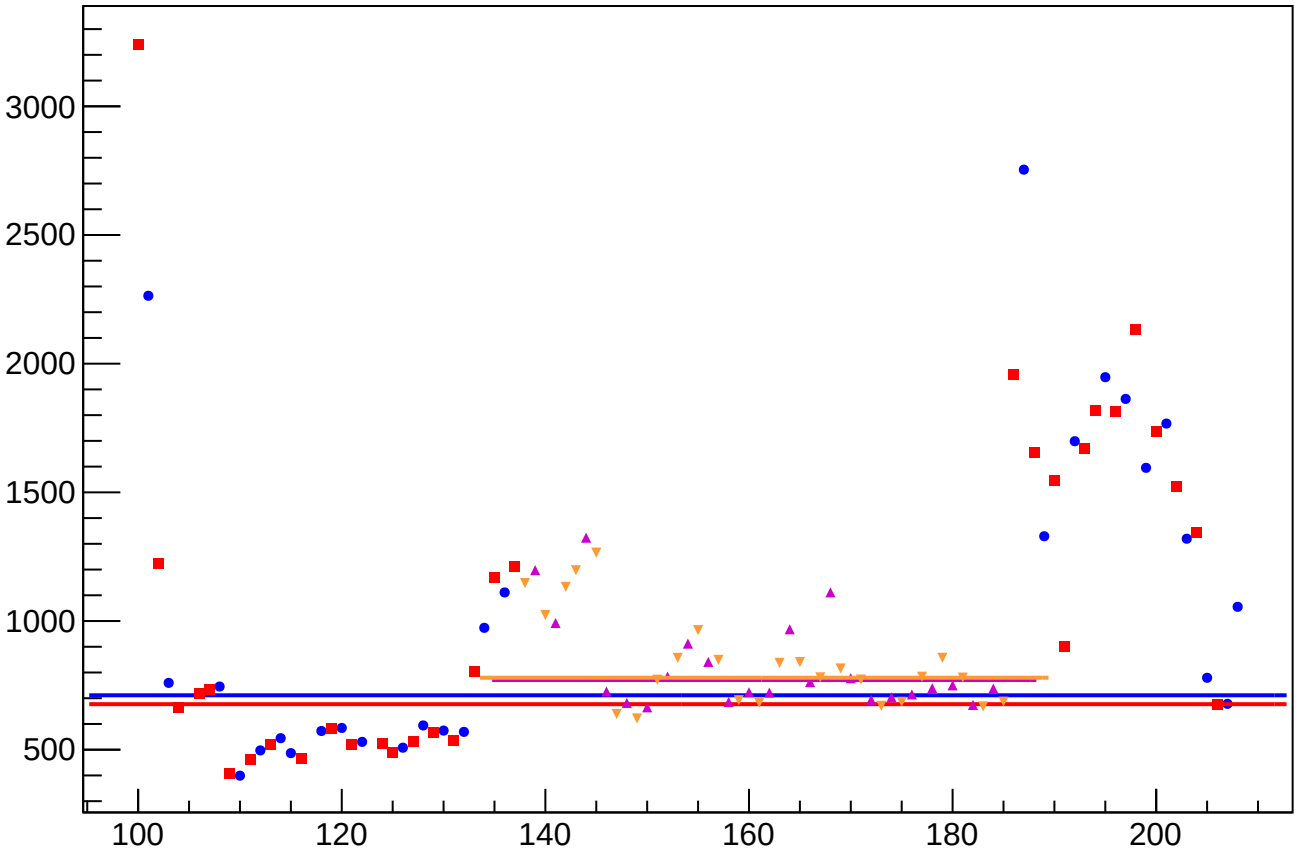
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 56.767+/-140.407 χ^2/NDF: 81.3/57

In: -98.838+/-136.092 χ^2/NDF:65.5/49

Out: -169.423+/-132.593 χ^2/NDF:101.1/55

All: -135.050+/-94.970 χ^2/NDF: 166.7/105



Right In: 711.476+/-0.143 χ^2/NDF: 6103290.7/26

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.922+/-0.138 χ^2/NDF: 7127013.8/30

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

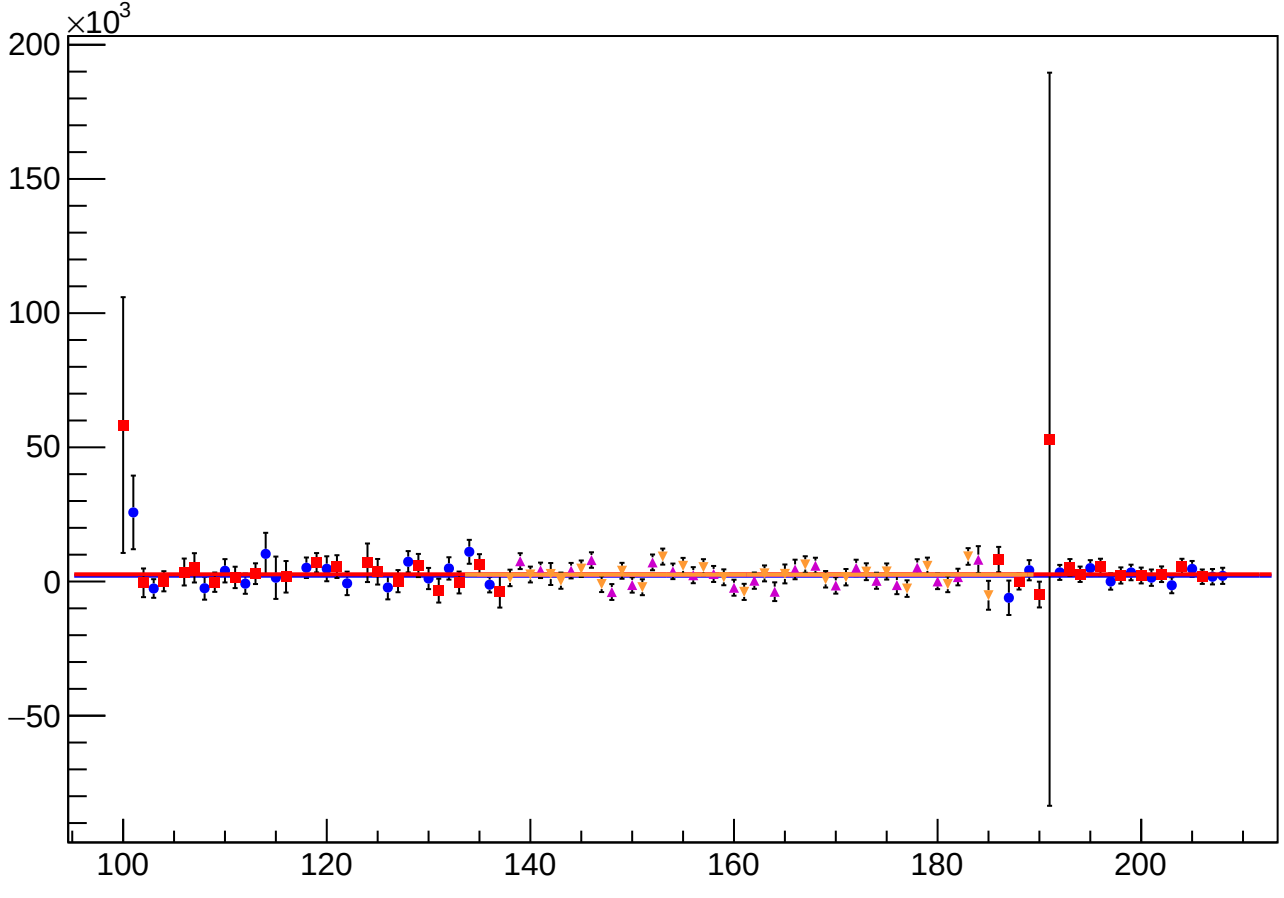
Right: 693.469+/-0.099 χ^2/NDF: 13260533.6/57

In: 744.107+/-0.096 χ^2/NDF:7273684.5/49

Out: 731.945+/-0.094 χ^2/NDF:8669771.5/55

All: 737.867+/-0.067 χ^2/NDF: 15951650.6/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2688.474+/-697.846 χ^2/NDF: 18.1/30

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

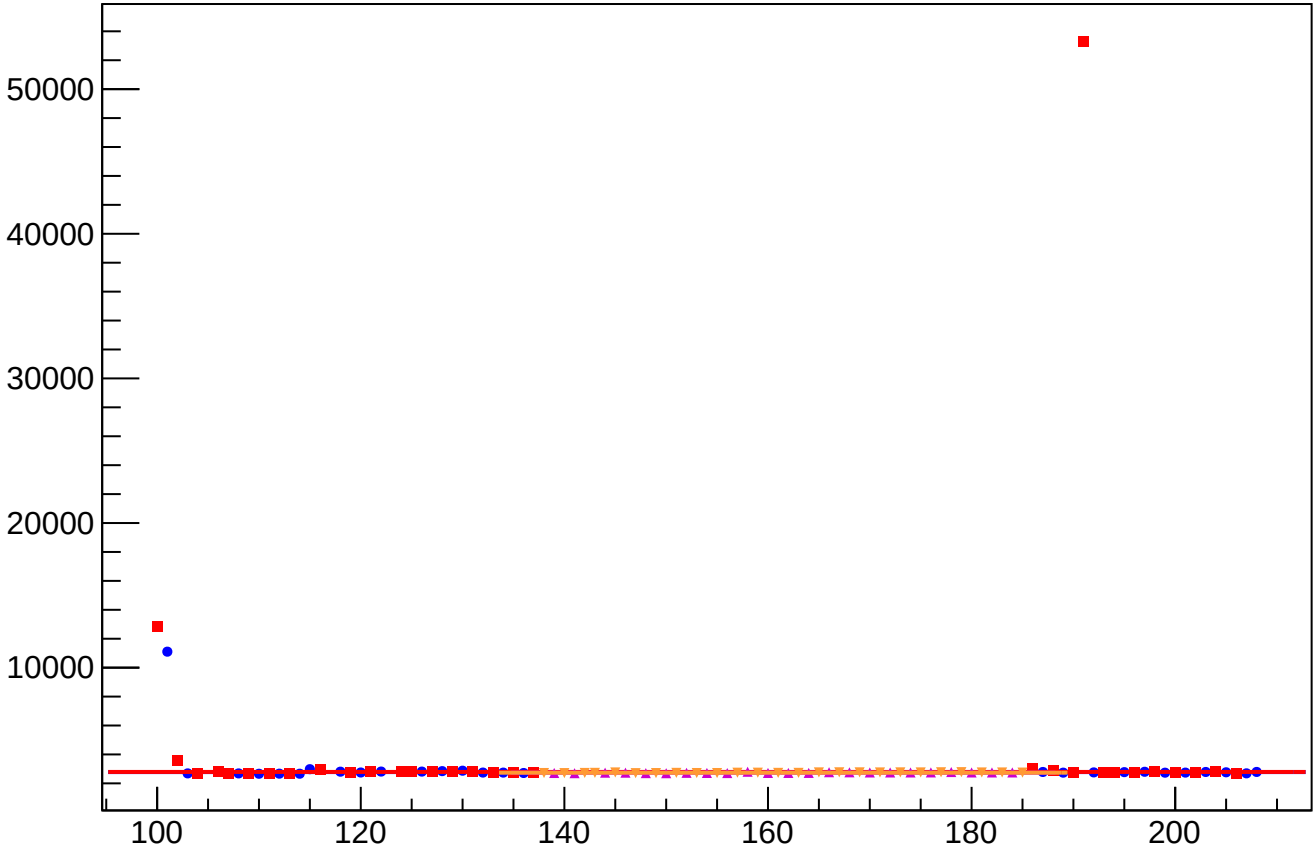
Right: 2427.143+/-496.540 χ^2/NDF: 42.2/57

In: 2296.177+/-474.259 χ^2/NDF:55.2/49

Out: 2615.070+/-464.258 χ^2/NDF:49.7/55

All: 2459.021+/-331.759 χ^2/NDF: 105.2/105

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

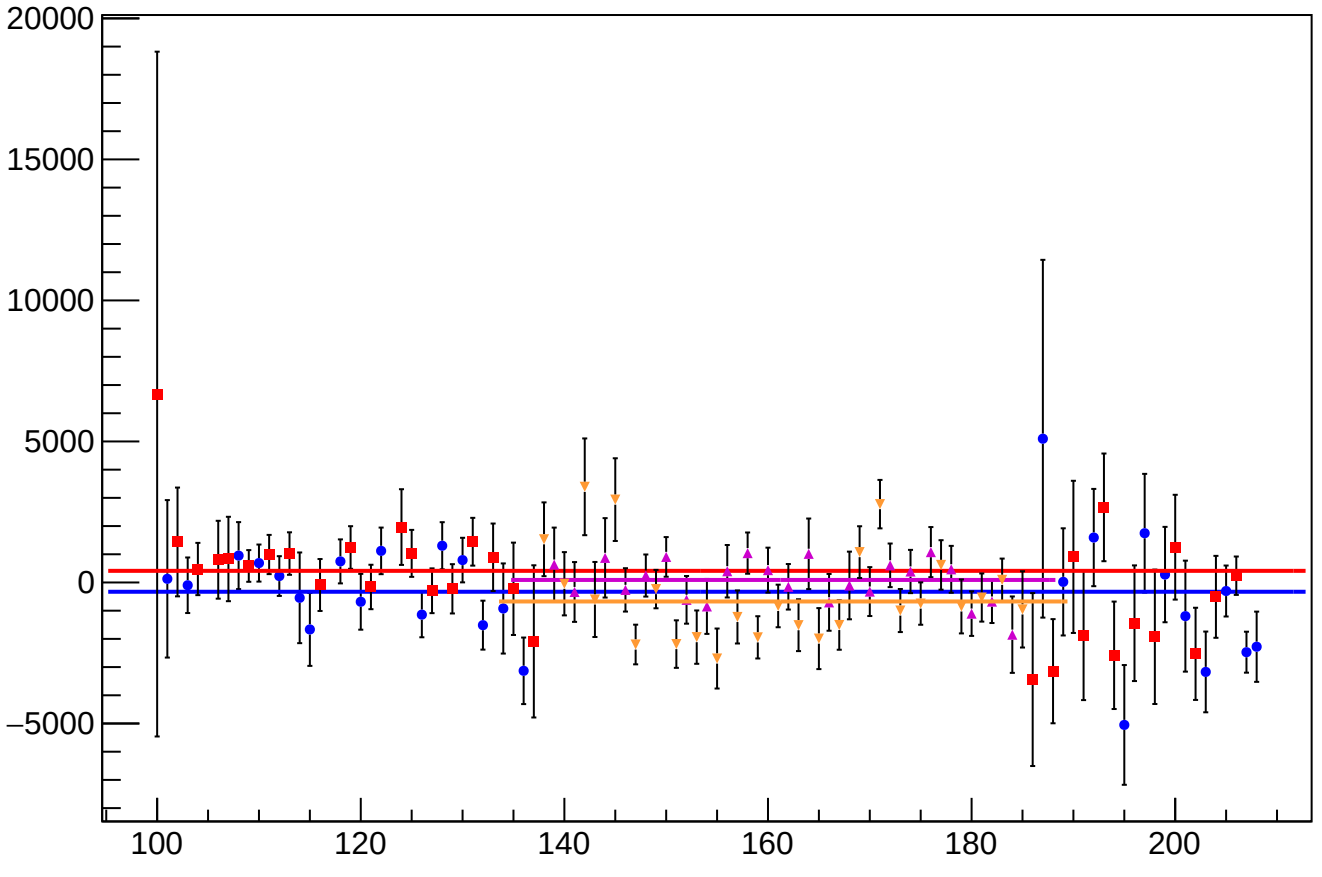
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2784.678+/-0.351 χ^2/NDF: 1231857.6/57

In: 2757.786+/-0.335 χ^2/NDF:757303.8/49

Out: 2760.558+/-0.328 χ^2/NDF:489722.7/55

All: 2759.202+/-0.235 χ^2/NDF: 1247061.4/10



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 412.194+/-194.474 χ^2/NDF: 25.9/30

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

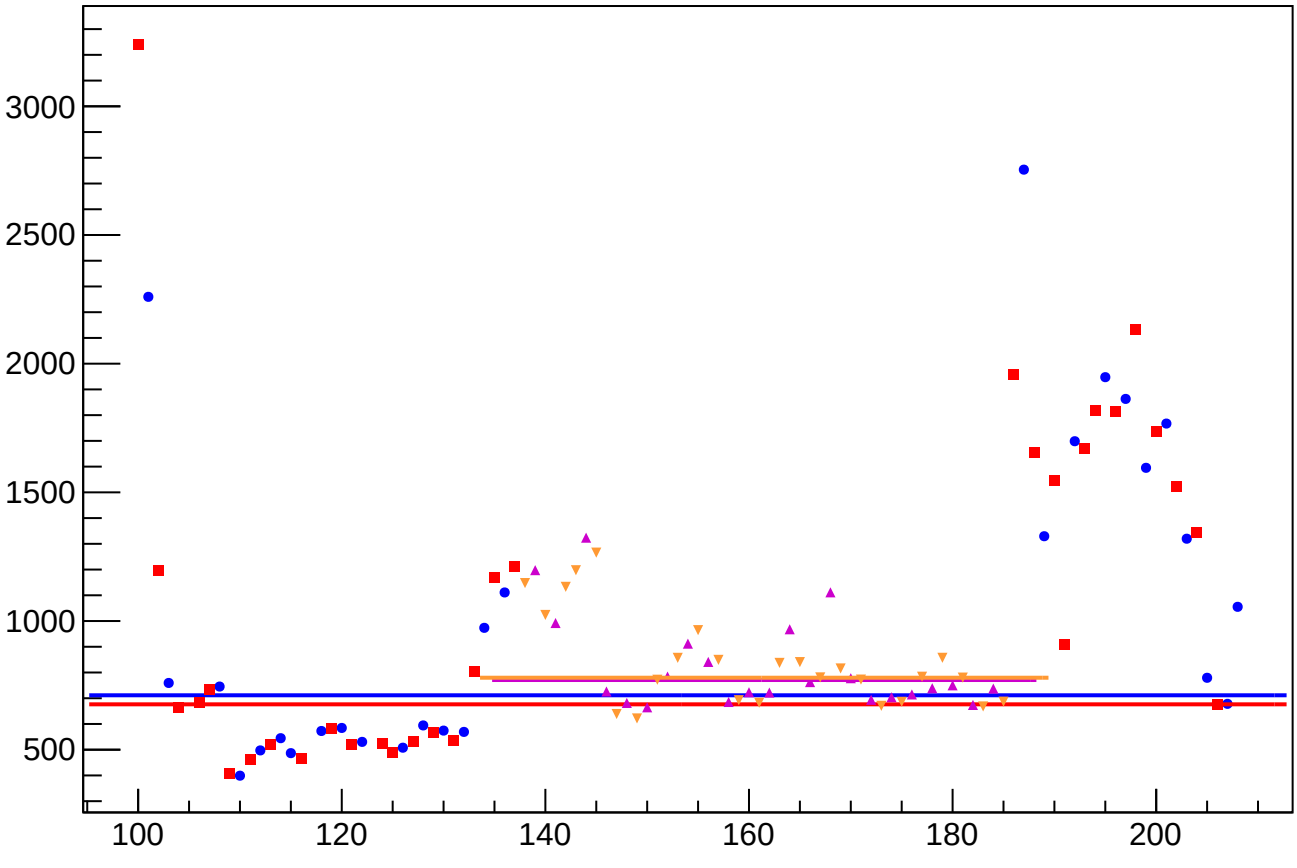
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 57.233+/-140.394 χ^2/NDF: 81.2/57

In: -98.764+/-136.090 χ^2/NDF:65.5/49

Out: -168.934+/-132.584 χ^2/NDF:101.0/55

All: -134.765+/-94.966 χ^2/NDF: 166.6/105



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

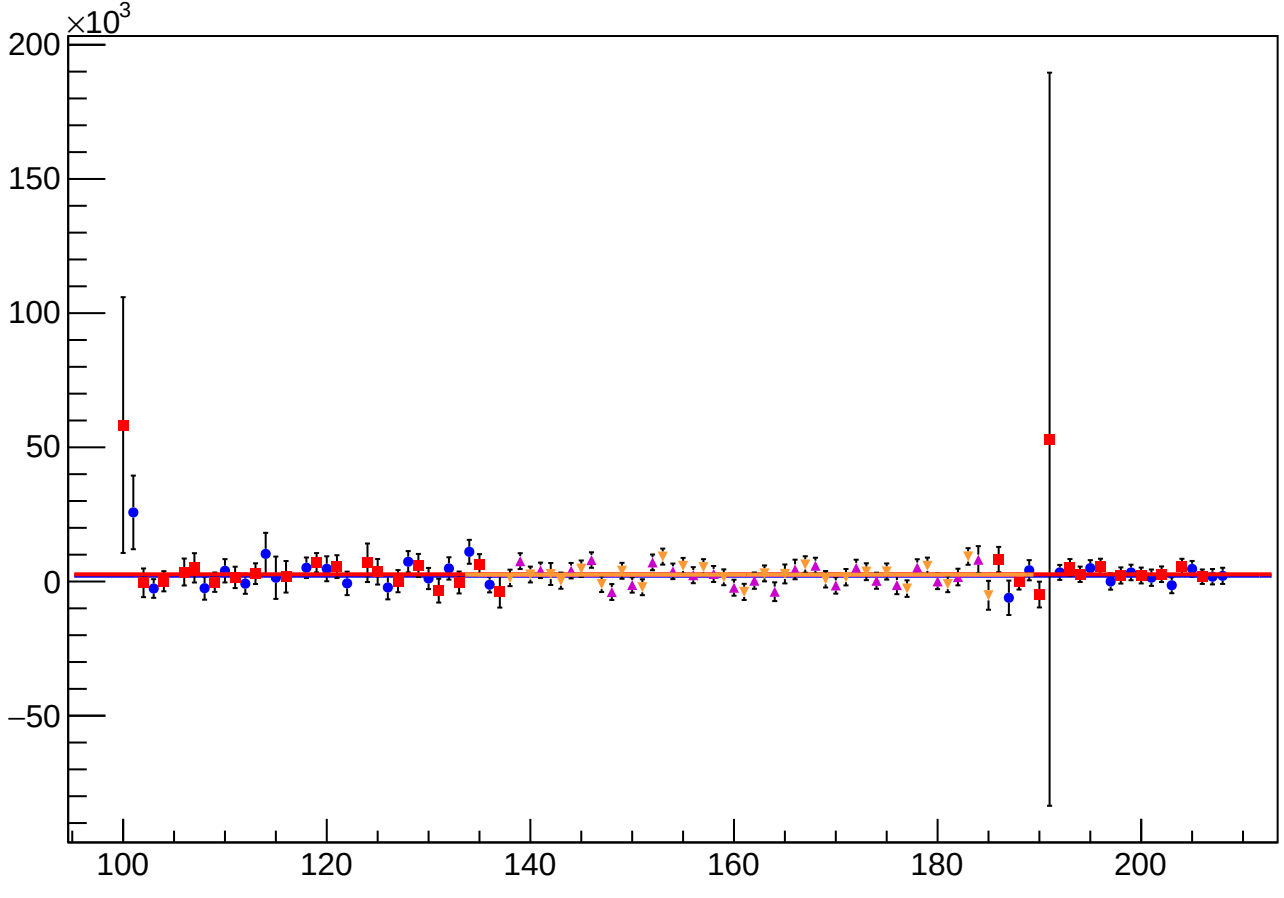
Right: 693.145+/-0.099 χ^2/NDF: 13254709.9/57

In: 744.103+/-0.096 χ^2/NDF:7272790.1/49

Out: 731.653+/-0.094 χ^2/NDF:8667385.1/55

All: 737.715+/-0.067 χ^2/NDF: 15948762.9/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2688.474+/-697.846 χ^2/NDF: 18.1/30

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

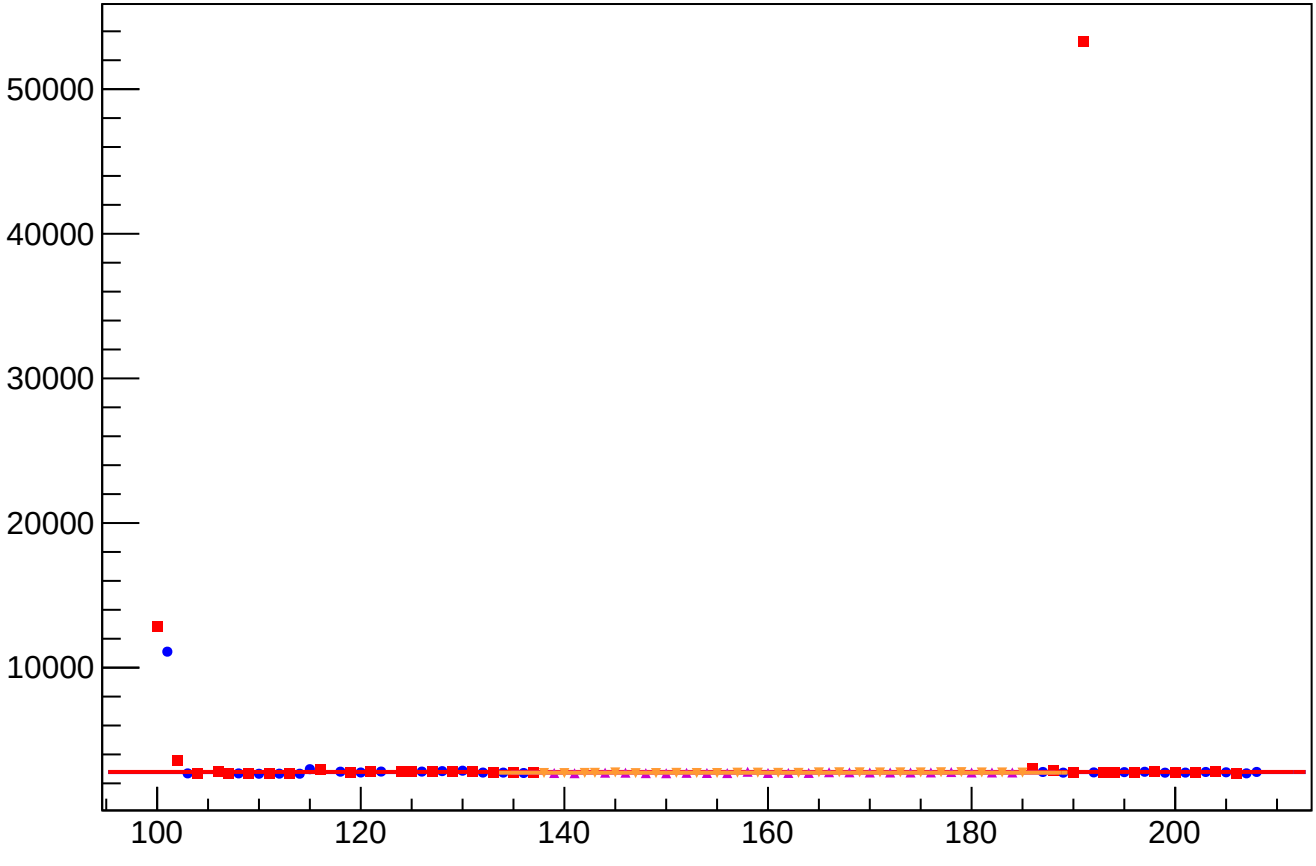
Right: 2427.143+/-496.540 χ^2/NDF: 42.2/57

In: 2296.177+/-474.259 χ^2/NDF:55.2/49

Out: 2615.070+/-464.258 χ^2/NDF:49.7/55

All: 2459.021+/-331.759 χ^2/NDF: 105.2/105

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

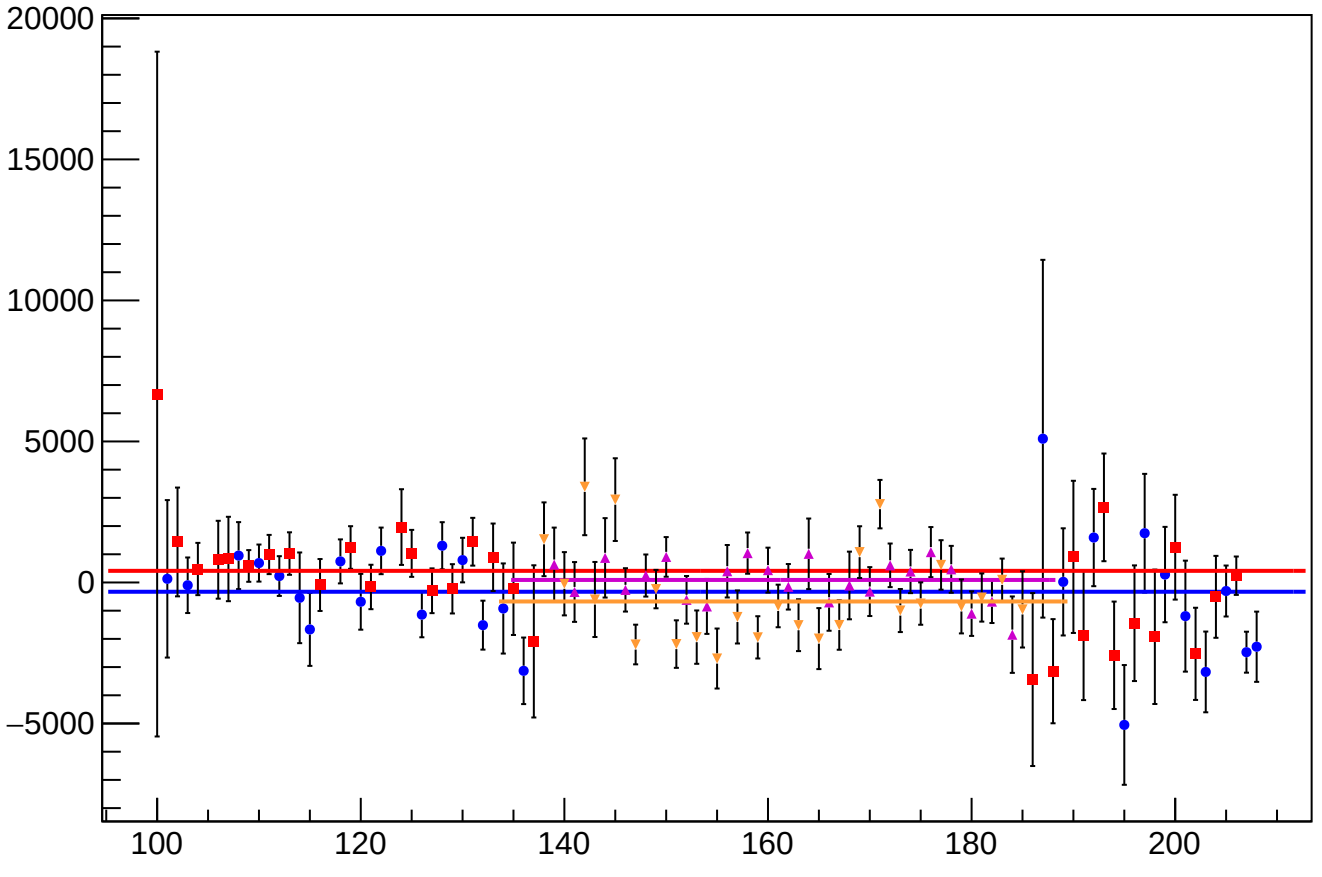
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2784.678+/-0.351 χ^2/NDF: 1231857.6/57

In: 2757.786+/-0.335 χ^2/NDF:757303.8/49

Out: 2760.558+/-0.328 χ^2/NDF:489722.7/55

All: 2759.202+/-0.235 χ^2/NDF: 1247061.4/10



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 412.194+/-194.474 χ^2/NDF: 25.9/30

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

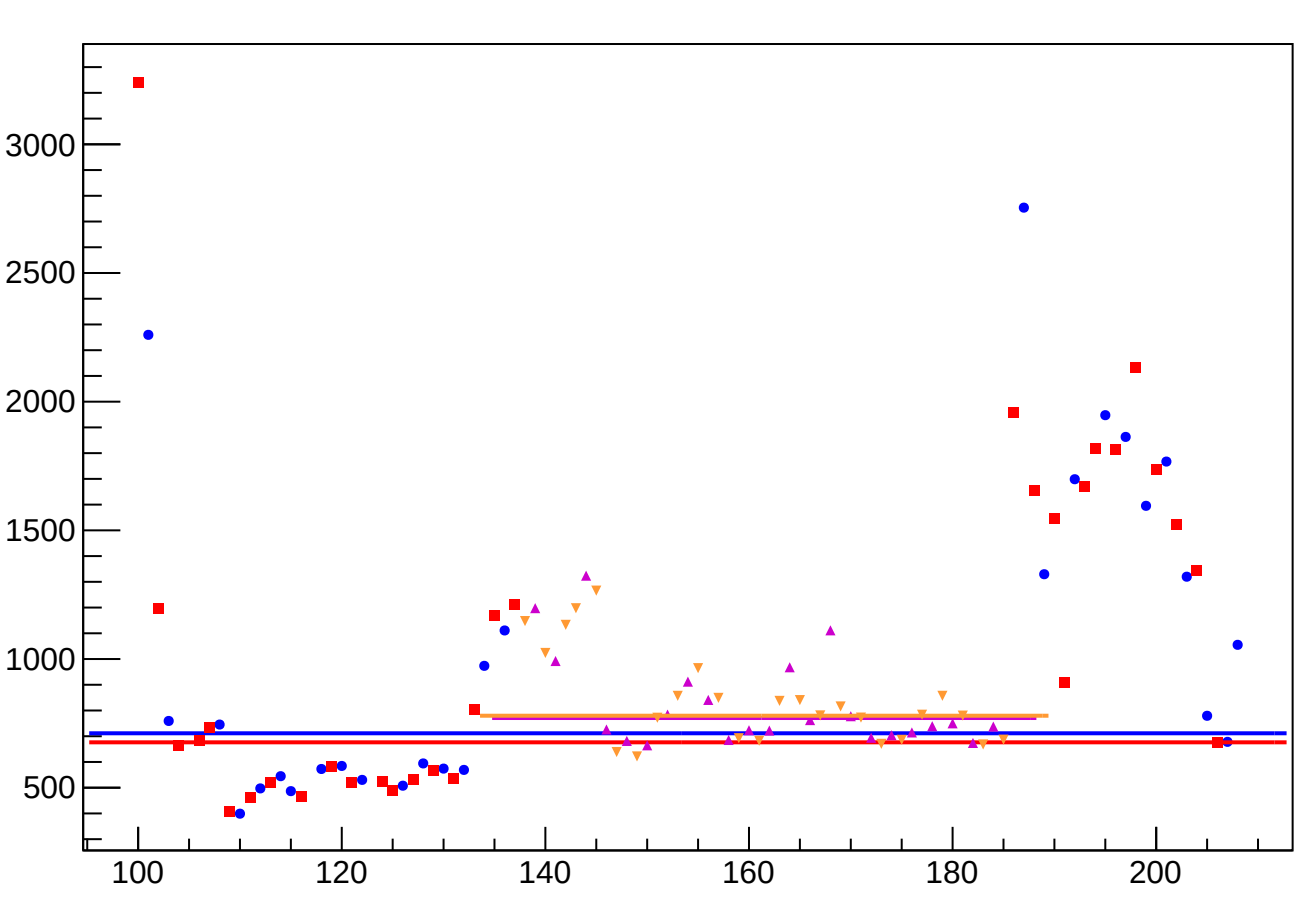
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 57.233+/-140.394 χ^2/NDF: 81.2/57

In: -98.764+/-136.090 χ^2/NDF:65.5/49

Out: -168.934+/-132.584 χ^2/NDF:101.0/55

All: -134.765+/-94.966 χ^2/NDF: 166.6/105



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

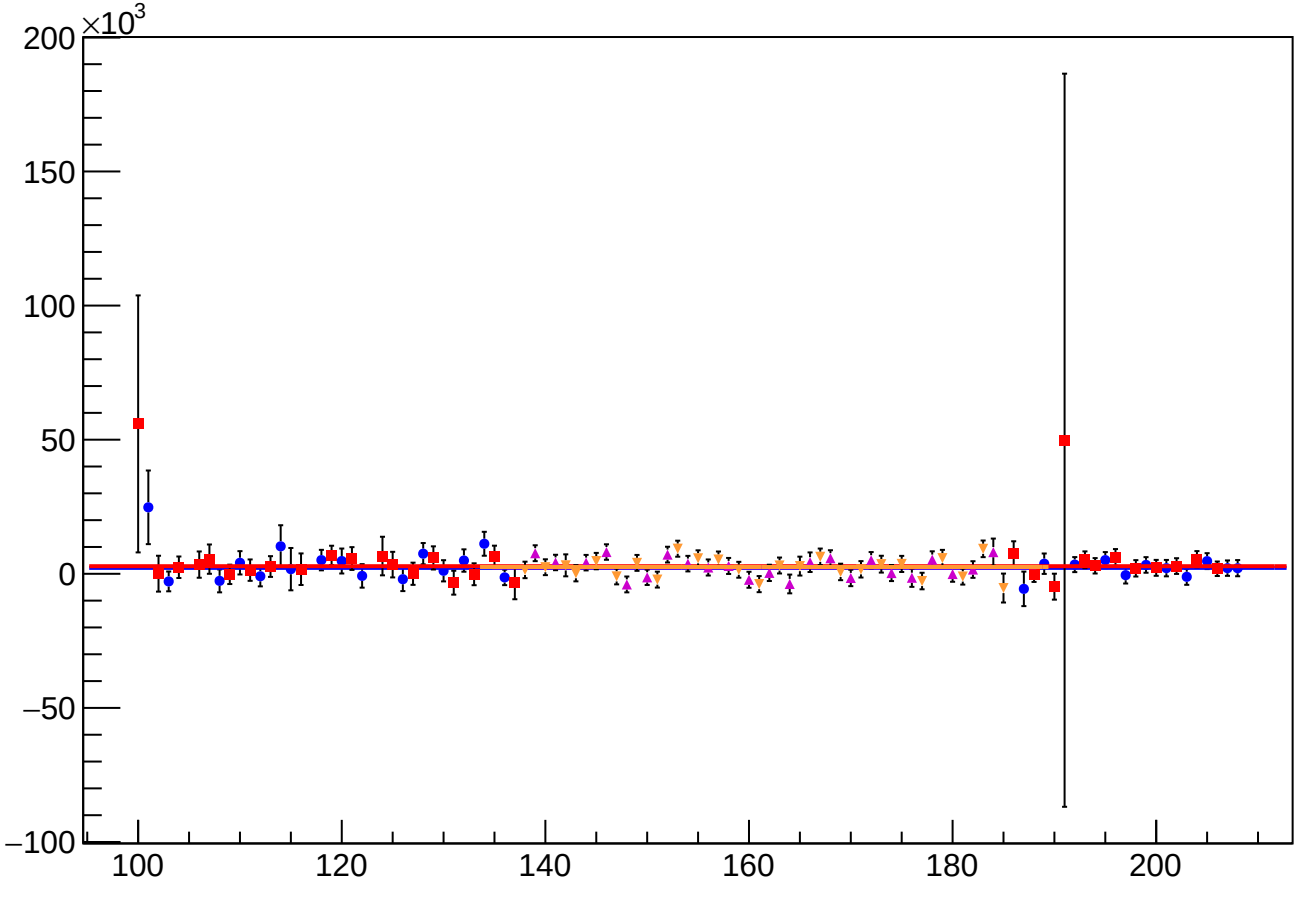
Right: 693.145+/-0.099 χ^2/NDF: 13254709.9/57

In: 744.103+/-0.096 χ^2/NDF:7272790.1/49

Out: 731.653+/-0.094 χ^2/NDF:8667385.1/55

All: 737.715+/-0.067 χ^2/NDF: 15948762.9/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2834.004+/-703.627 χ^2/NDF: 17.2/30

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

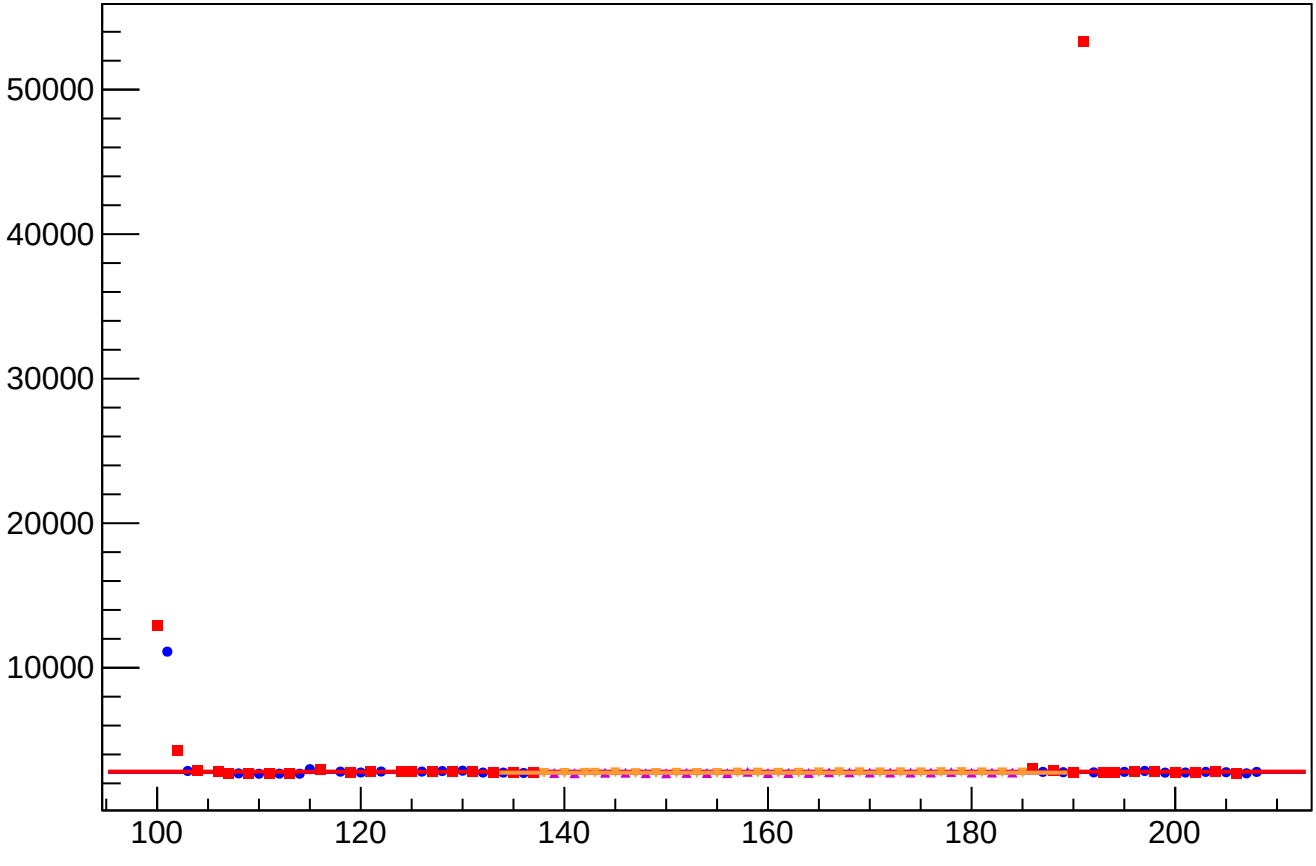
Right: 2526.830+/-499.986 χ^2/NDF: 41.1/57

In: 2320.263+/-475.589 χ^2/NDF:55.4/49

Out: 2671.852+/-466.119 χ^2/NDF:49.2/55

All: 2499.593+/-332.894 χ^2/NDF: 104.8/105

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.7/30

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

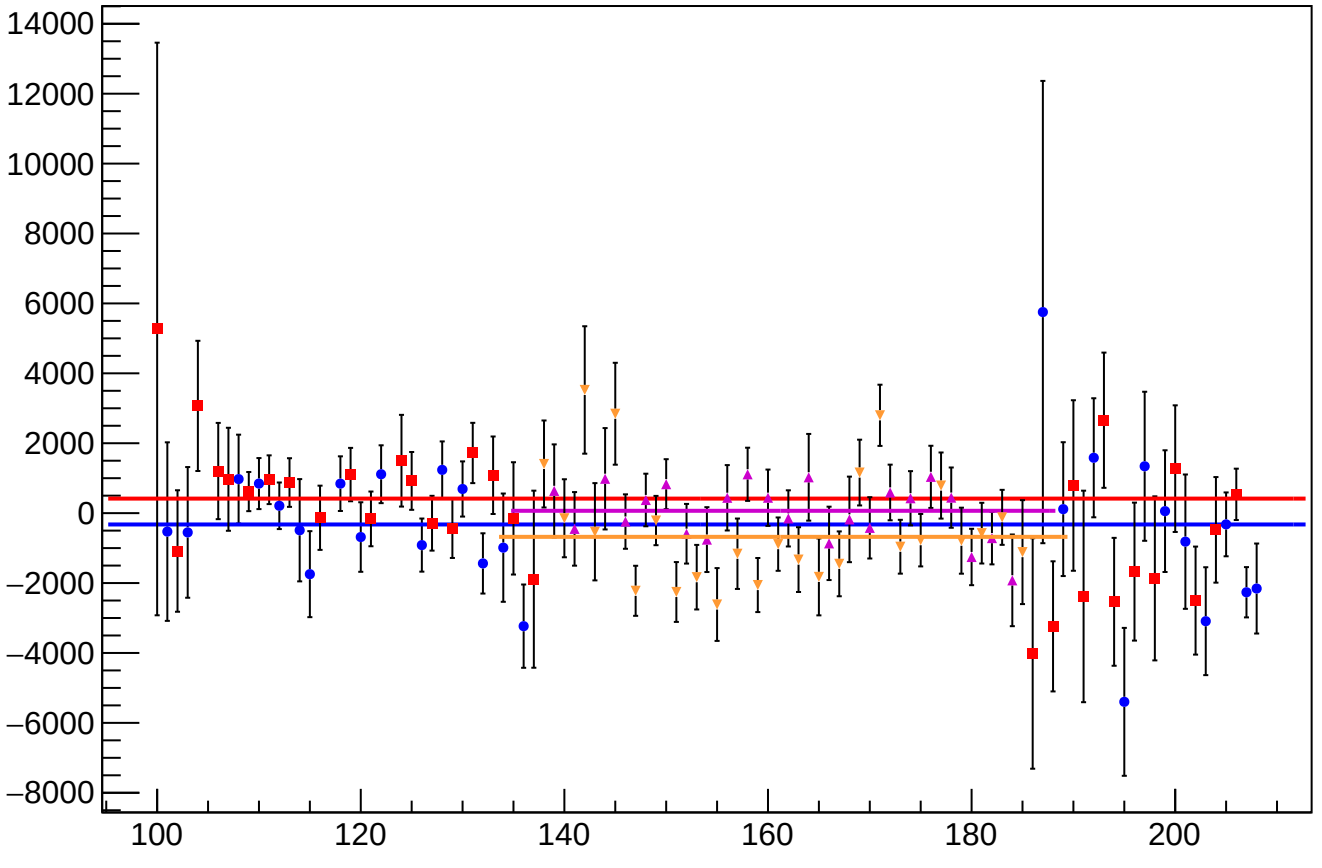
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

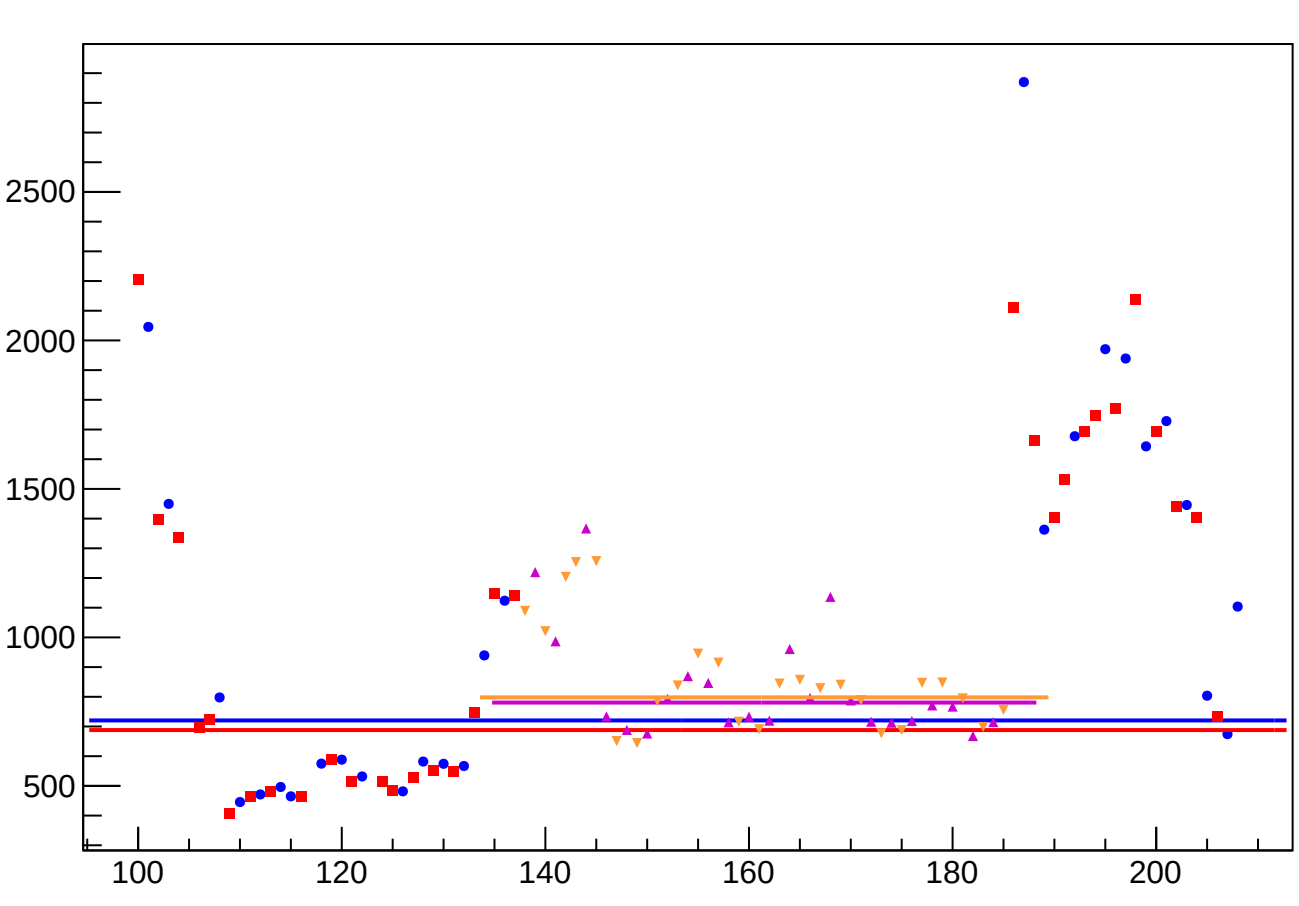
Right: 2800.785+/-0.354 χ^2/NDF: 1285093.1/57

In: 2765.388+/-0.336 χ^2/NDF:759724.9/49

Out: 2768.790+/-0.330 χ^2/NDF:547303.6/55

All: 2767.123+/-0.235 χ^2/NDF: 1307080.7/10


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -323.958+/-205.959 χ²/NDF: 45.9/26
Left Out: -678.226+/-185.004 χ²/NDF:56.2/24
Right Out: 416.000+/-196.514 χ²/NDF: 29.7/30
Left In: 67.156+/-185.436 χ²/NDF:15.8/22
Left: -306.403+/-130.970 χ²/NDF: 80.1/47
Right: 63.375+/-142.178 χ²/NDF: 82.3/57
In: -107.949+/-137.809 χ²/NDF:63.7/49
Out: -164.095+/-134.703 χ²/NDF:102.3/55
All: -136.662+/-96.329 χ²/NDF: 166.1/105



Right In: 720.355+/-0.146 χ^2/NDF: 6587841.5/26

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724029.5/30

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

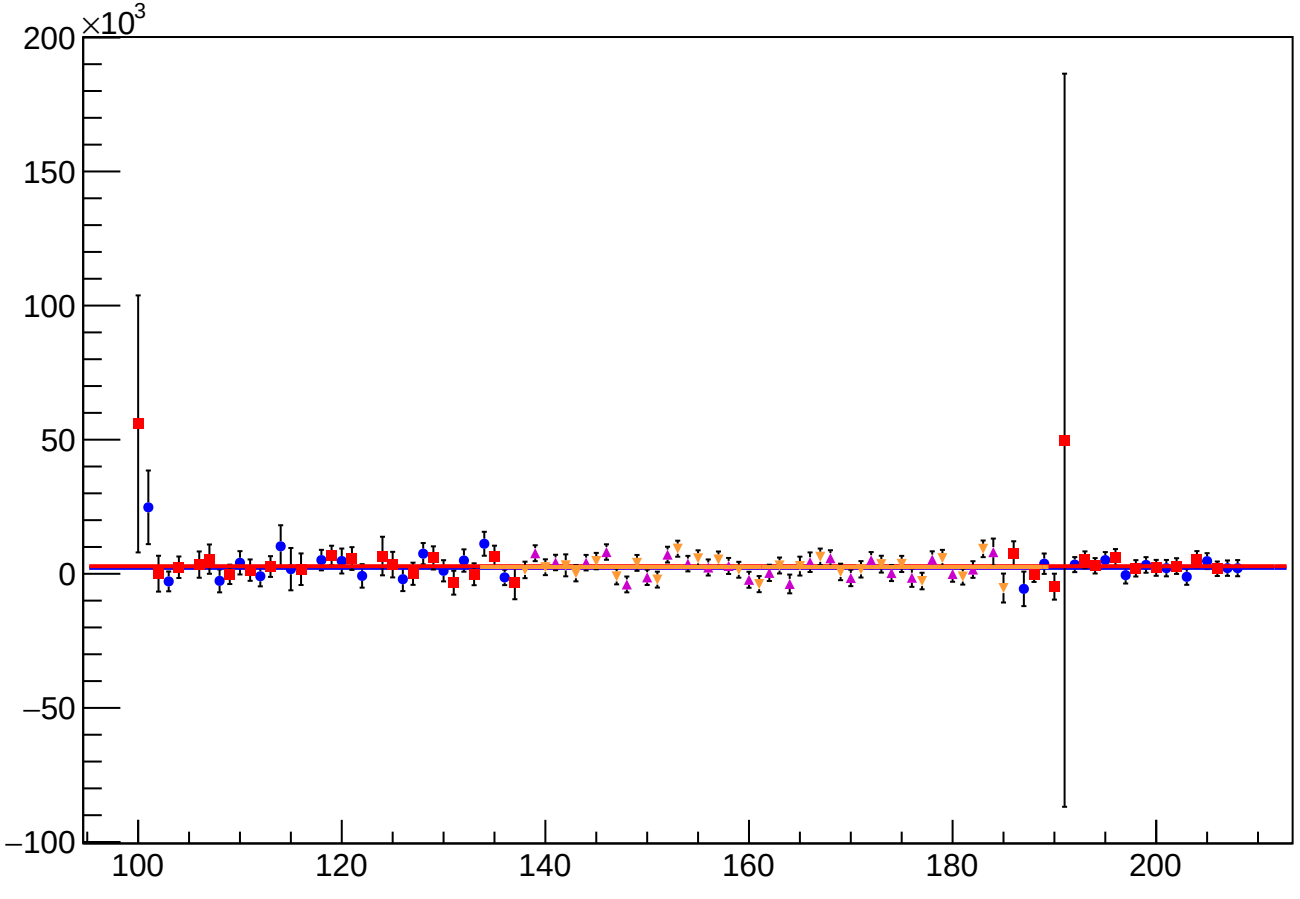
Right: 703.363+/-0.101 χ^2/NDF: 14337876.6/57

In: 753.586+/-0.097 χ^2/NDF:7746947.1/49

Out: 746.314+/-0.095 χ^2/NDF:9225791.9/55

All: 749.867+/-0.068 χ^2/NDF: 16975587.2/10

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2834.002+/-703.627 χ^2/NDF: 17.2/30

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

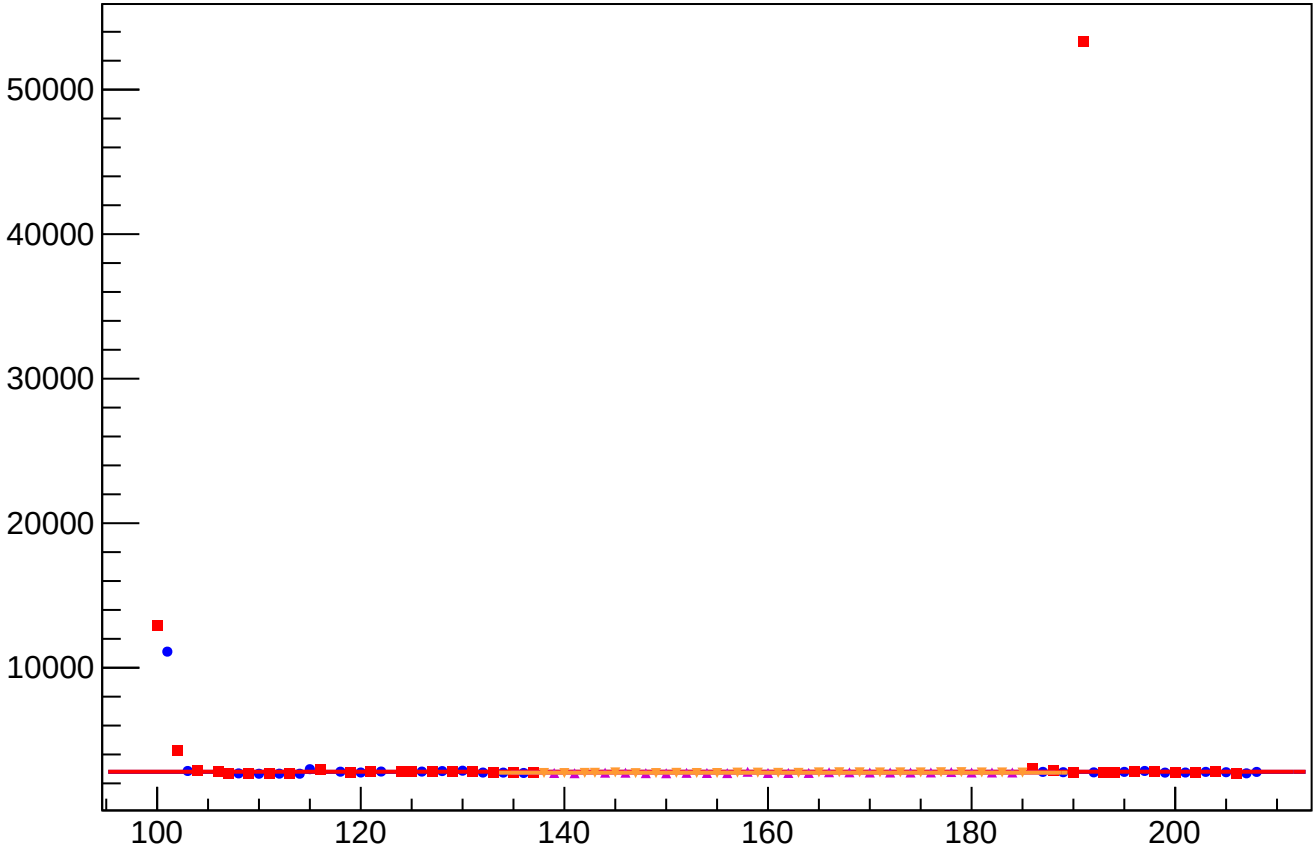
Right: 2526.828+/-499.986 χ^2/NDF: 41.1/57

In: 2320.263+/-475.589 χ^2/NDF:55.4/49

Out: 2671.851+/-466.119 χ^2/NDF:49.2/55

All: 2499.592+/-332.894 χ^2/NDF: 104.8/105

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.5/30

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

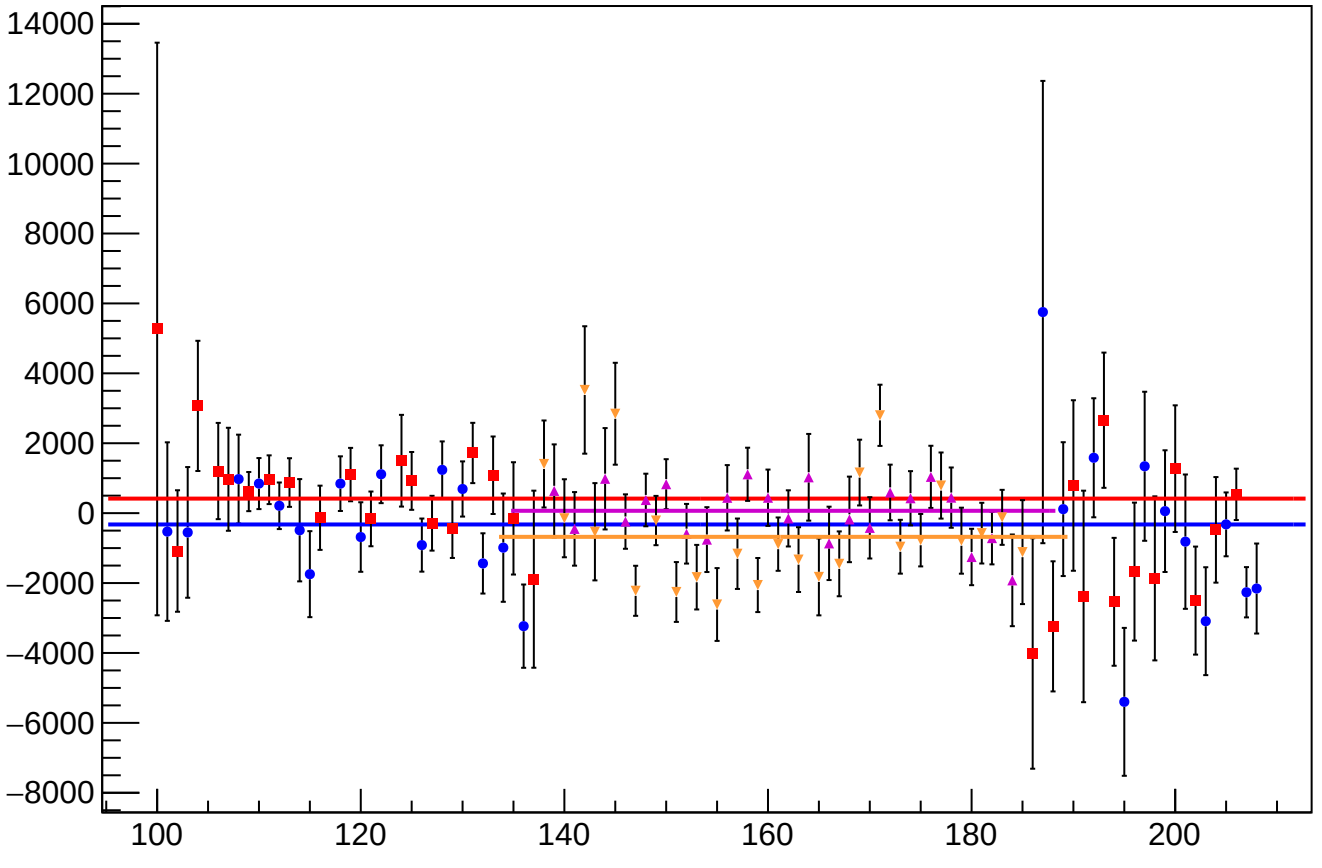
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2800.785+/-0.354 χ^2/NDF: 1285092.9/57

In: 2765.388+/-0.336 χ^2/NDF:759724.9/49

Out: 2768.789+/-0.330 χ^2/NDF:547303.4/55

All: 2767.123+/-0.235 χ^2/NDF: 1307080.4/10



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 416.000+/-196.514 χ^2/NDF: 29.7/30

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

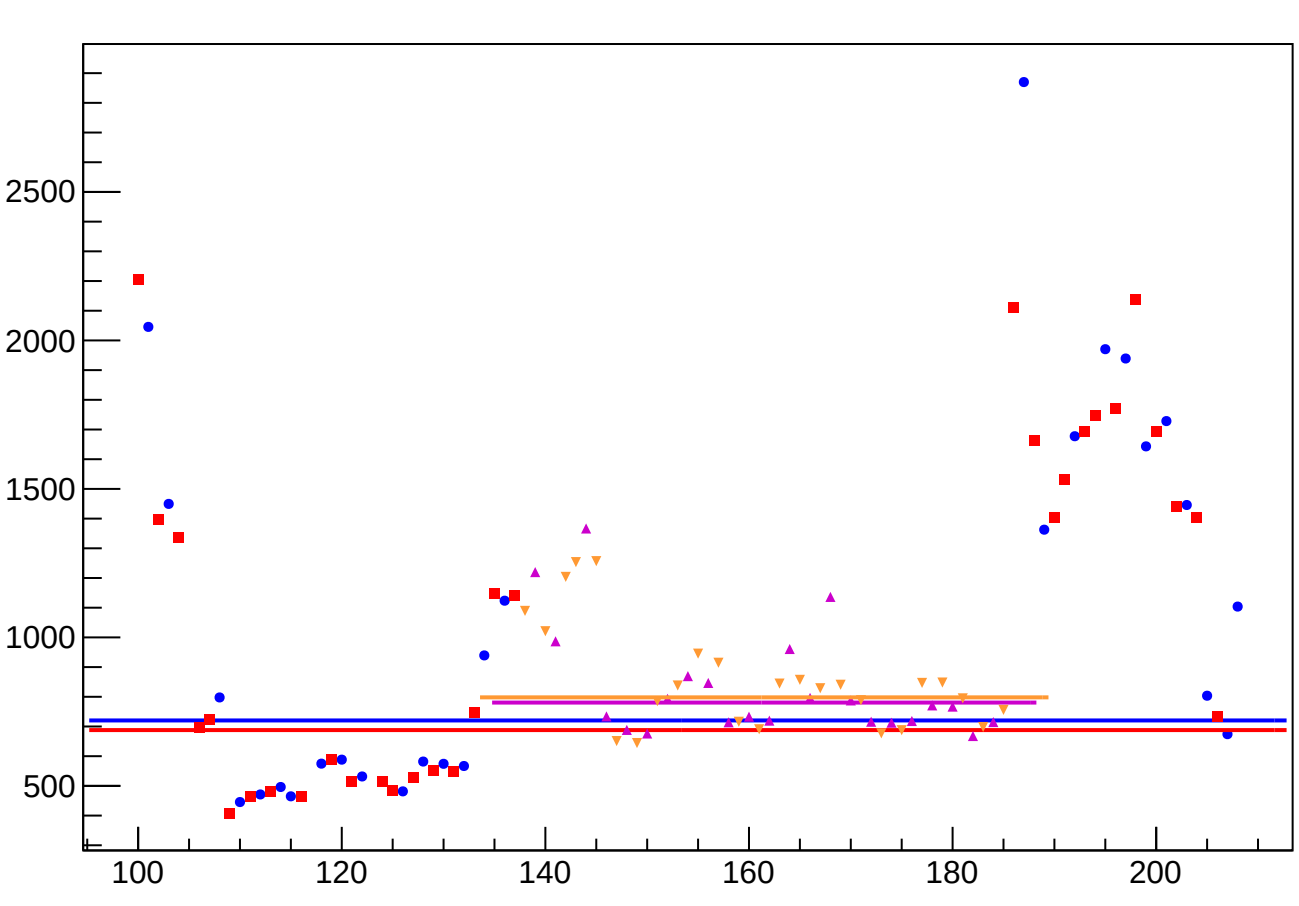
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 63.375+/-142.178 χ^2/NDF: 82.3/57

In: -107.948+/-137.809 χ^2/NDF:63.7/49

Out: -164.095+/-134.703 χ^2/NDF:102.3/55

All: -136.661+/-96.329 χ^2/NDF: 166.1/105



Right In: 720.355+/-0.146 χ^2/NDF: 6587839.3/26

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724033.4/30

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

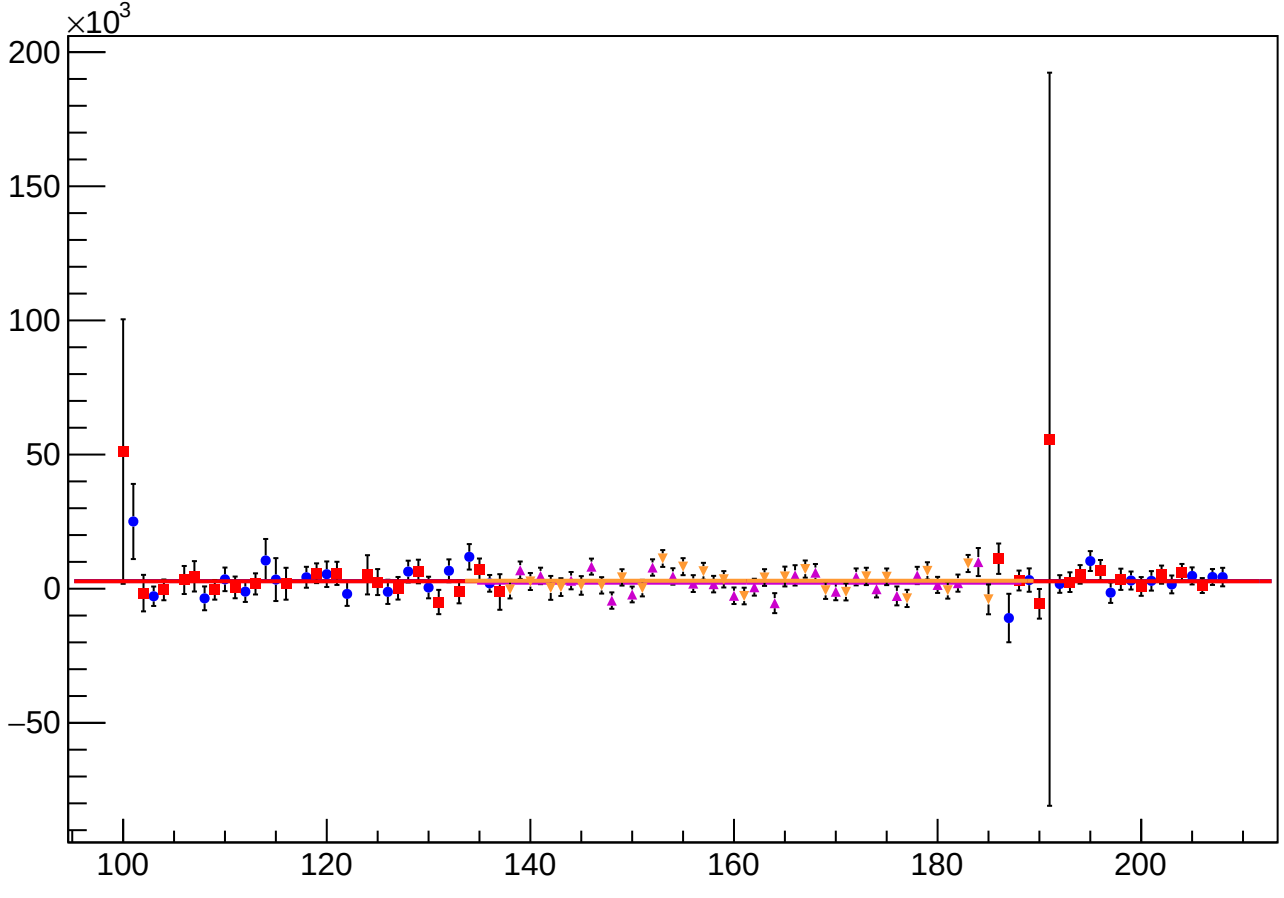
Right: 703.363+/-0.101 χ^2/NDF: 14337878.9/57

In: 753.587+/-0.097 χ^2/NDF:7746945.9/49

Out: 746.314+/-0.095 χ^2/NDF:9225796.9/55

All: 749.868+/-0.068 χ^2/NDF: 16975591.0/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2850.146+/-774.431 χ^2/NDF: 25.8/26

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2771.734+/-770.876 χ^2/NDF: 19.4/30

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

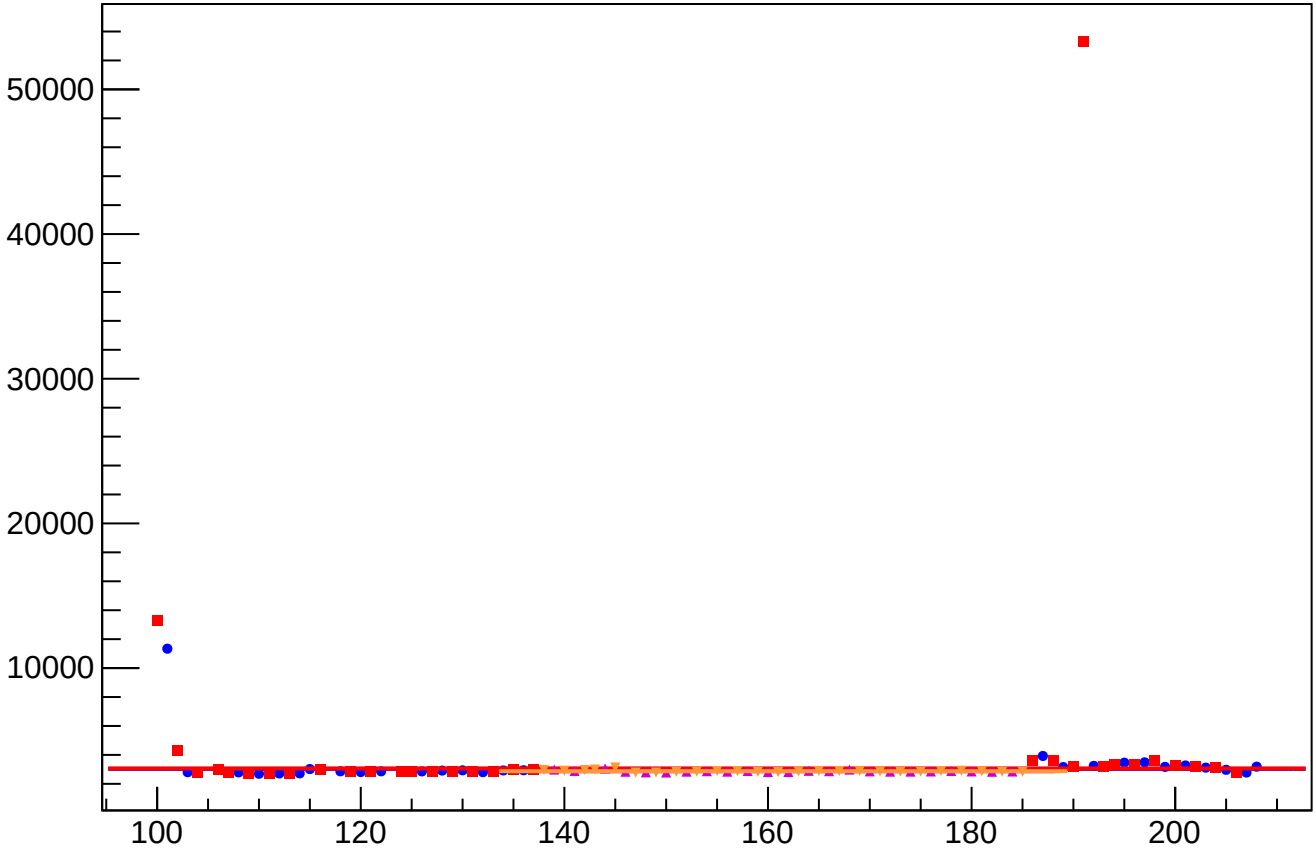
Right: 2810.760+/-546.344 χ^2/NDF: 45.1/57

In: 2499.903+/-506.833 χ^2/NDF:59.9/49

Out: 2886.740+/-498.389 χ^2/NDF:55.1/55

All: 2696.571+/-355.362 χ^2/NDF: 115.3/105

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3036.401+/-0.548 χ^2/NDF: 887273.0/26

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3059.914+/-0.545 χ^2/NDF: 733799.4/30

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

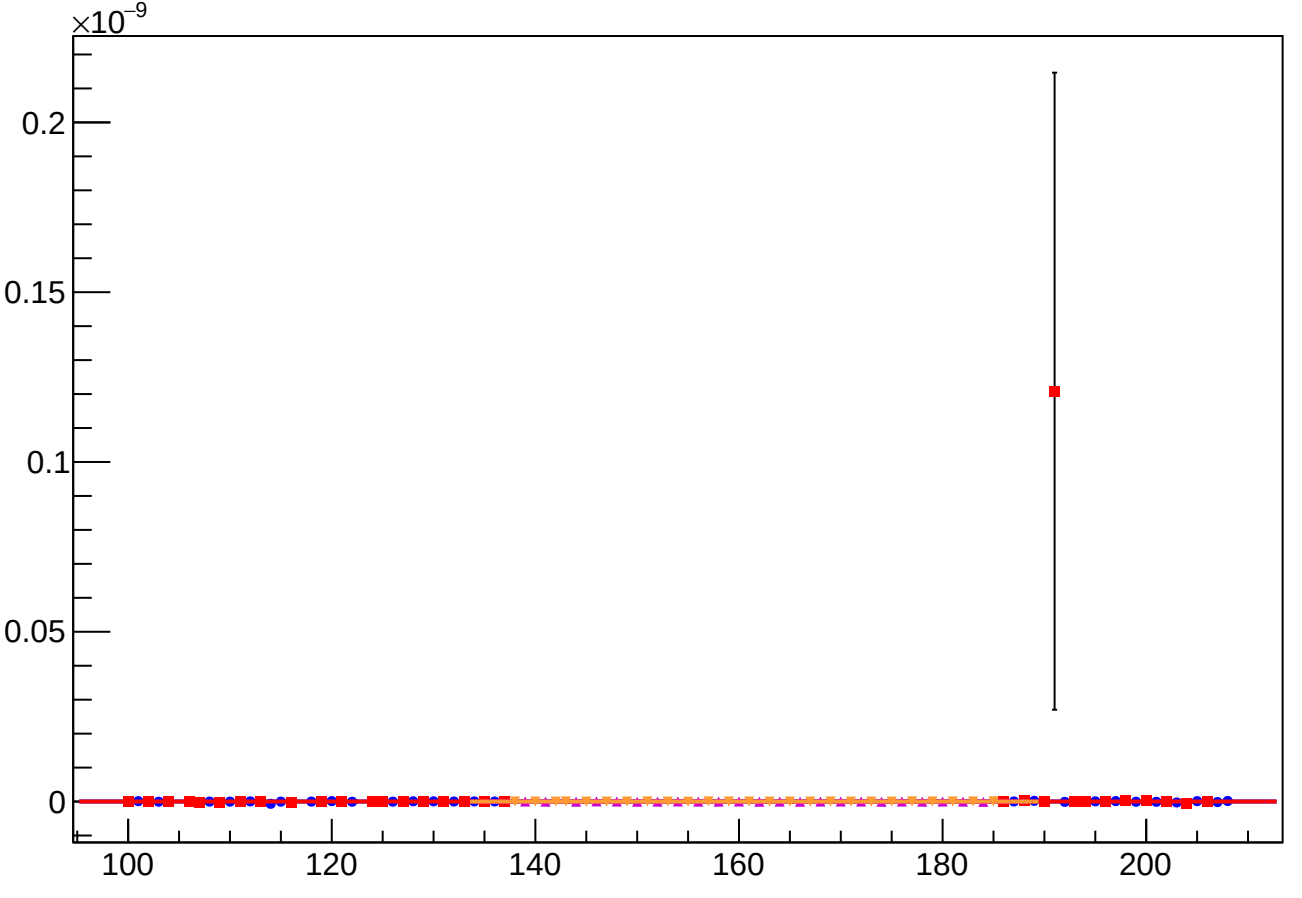
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3048.212+/-0.386 χ^2/NDF: 1621998.5/57

In: 2941.359+/-0.358 χ^2/NDF:957651.0/49

Out: 2952.254+/-0.352 χ^2/NDF:822614.8/55

All: 2946.898+/-0.251 χ^2/NDF: 1780735.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.1/30

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

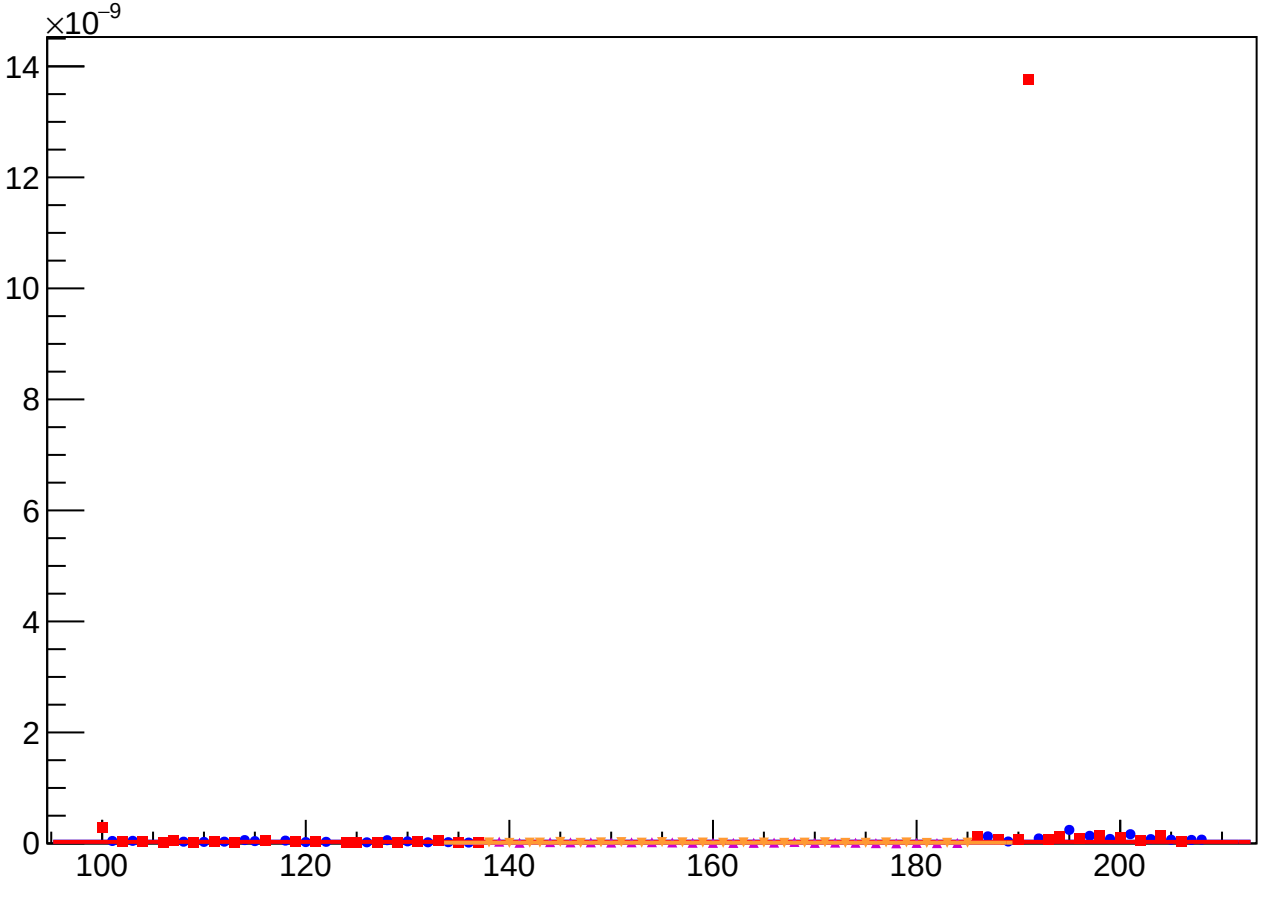
Right: 0.000+/-0.000 χ^2/NDF: 63.7/57

In: -0.000+/-0.000 χ^2/NDF:53.8/49

Out: 0.000+/-0.000 χ^2/NDF:55.0/55

All: -0.000+/-0.000 χ^2/NDF: 109.6/105

asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4019324.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3508270.9/30

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

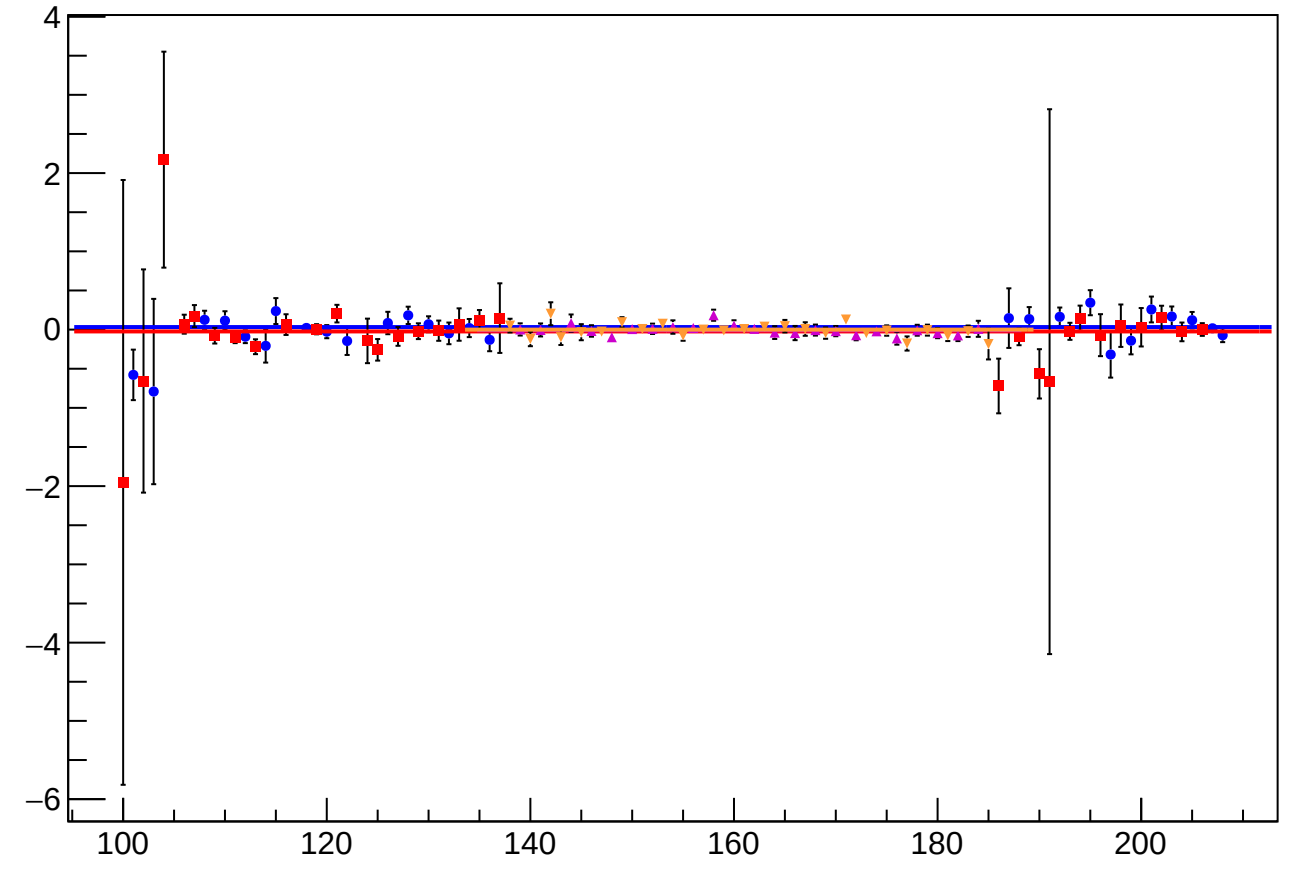
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7588368.3/57

In: 0.000+/-0.000 χ^2/NDF:10409234.4/49

Out: 0.000+/-0.000 χ^2/NDF:6453867.5/55

All: 0.000+/-0.000 χ^2/NDF: 17102303.2/105



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.023+/-0.024 χ^2/NDF: 30.8/30

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

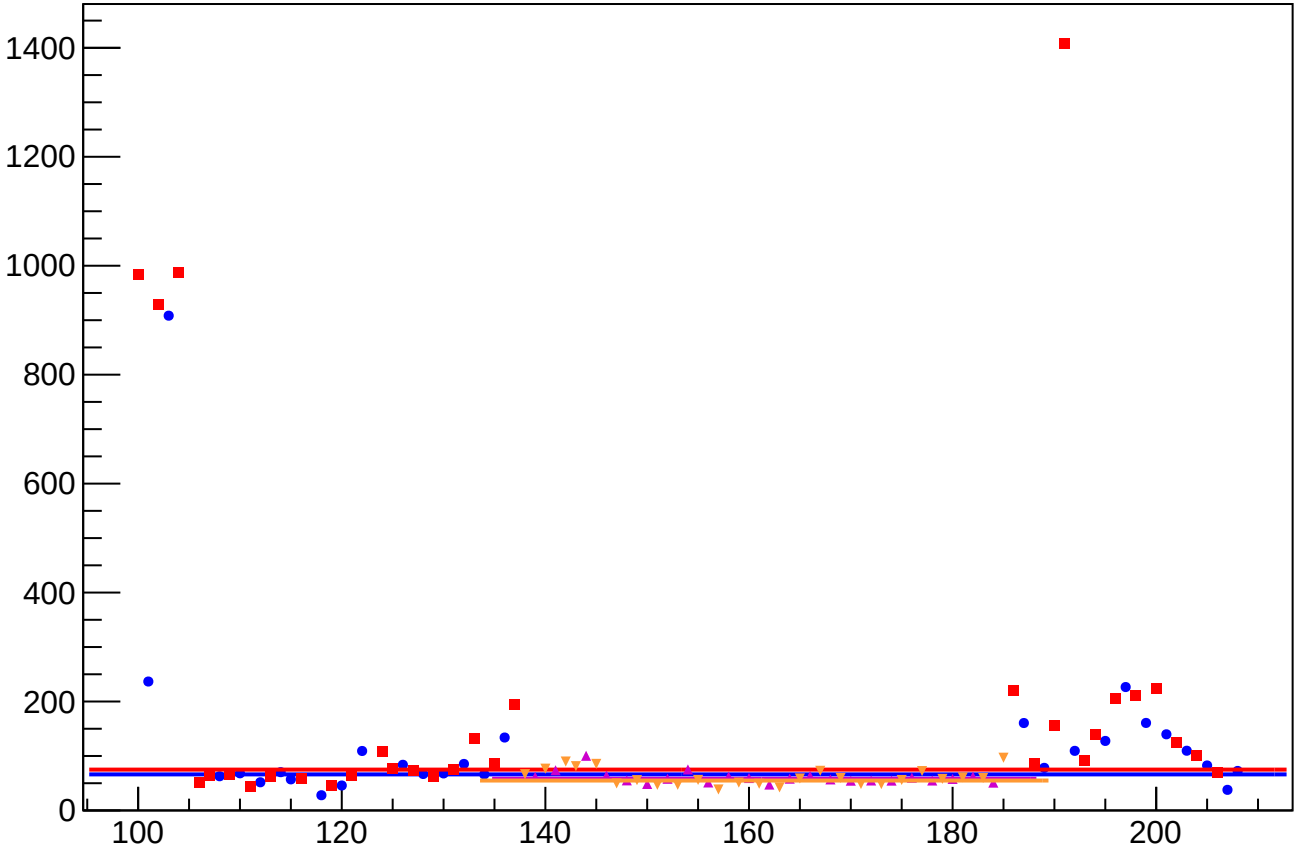
Right: 0.007+/-0.016 χ^2/NDF: 62.3/57

In: 0.005+/-0.012 χ^2/NDF:46.4/49

Out: -0.006+/-0.012 χ^2/NDF:54.1/55

All: -0.001+/-0.009 χ^2/NDF: 100.9/105

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

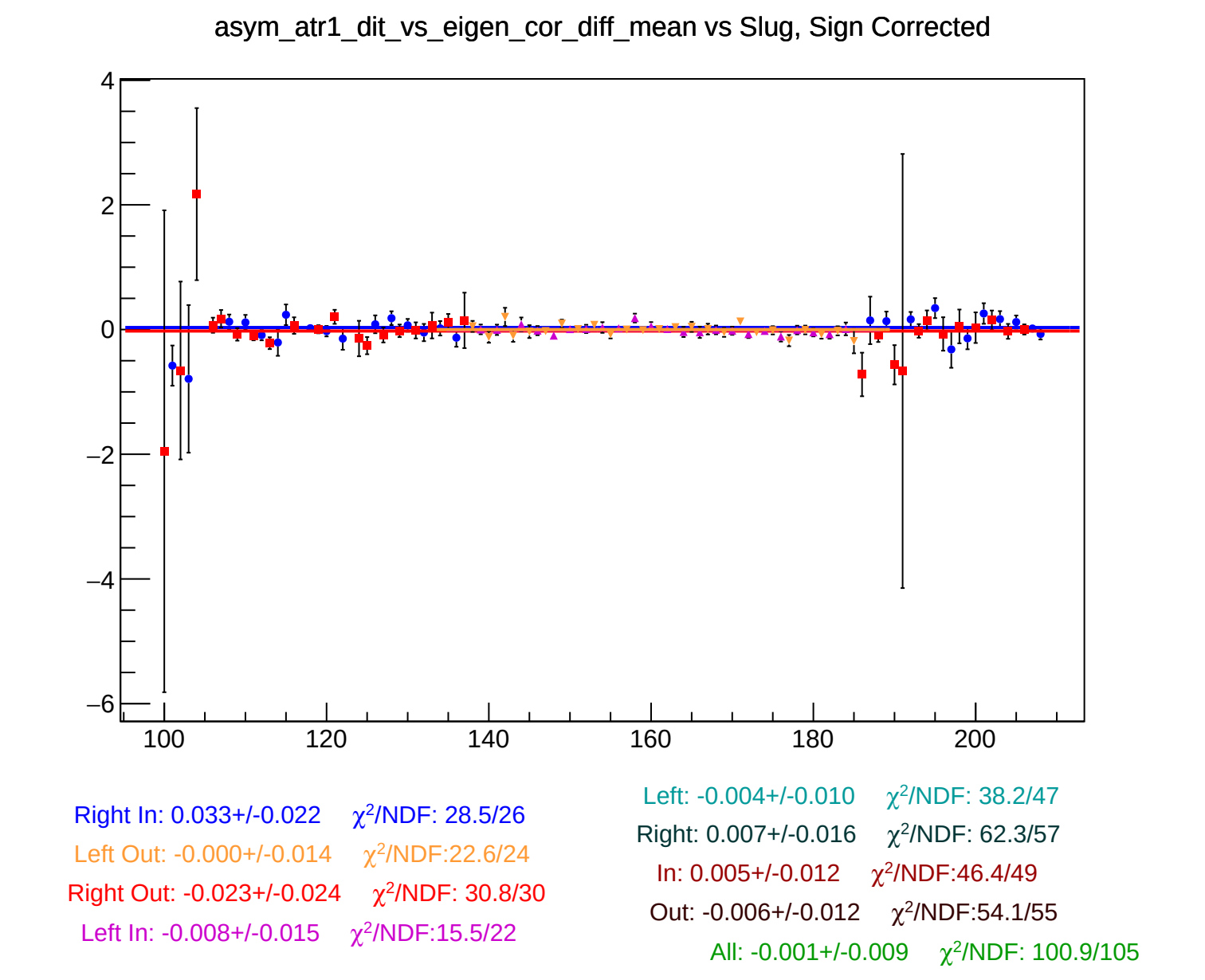
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

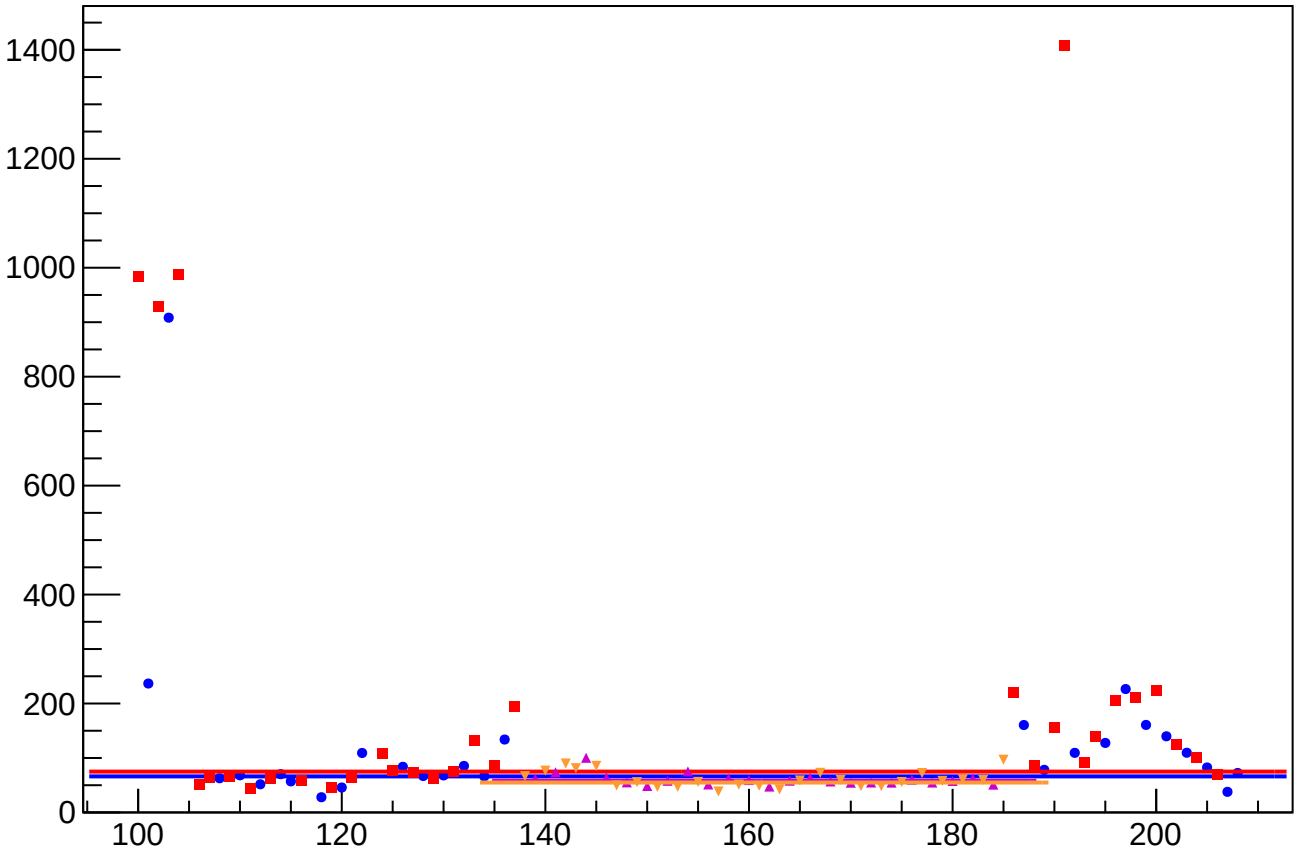
Right: 70.242+/-0.011 χ^2/NDF: 12872642.4/57

In: 60.710+/-0.009 χ^2/NDF:7331097.9/49

Out: 60.236+/-0.009 χ^2/NDF:8605529.0/55

All: 60.470+/-0.006 χ^2/NDF: 15938145.5/105


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.033+/-0.022 χ²/NDF: 28.5/26
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.023+/-0.024 χ²/NDF: 30.8/30
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.007+/-0.016 χ²/NDF: 62.3/57
In: 0.005+/-0.012 χ²/NDF:46.4/49
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.001+/-0.009 χ²/NDF: 100.9/105



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

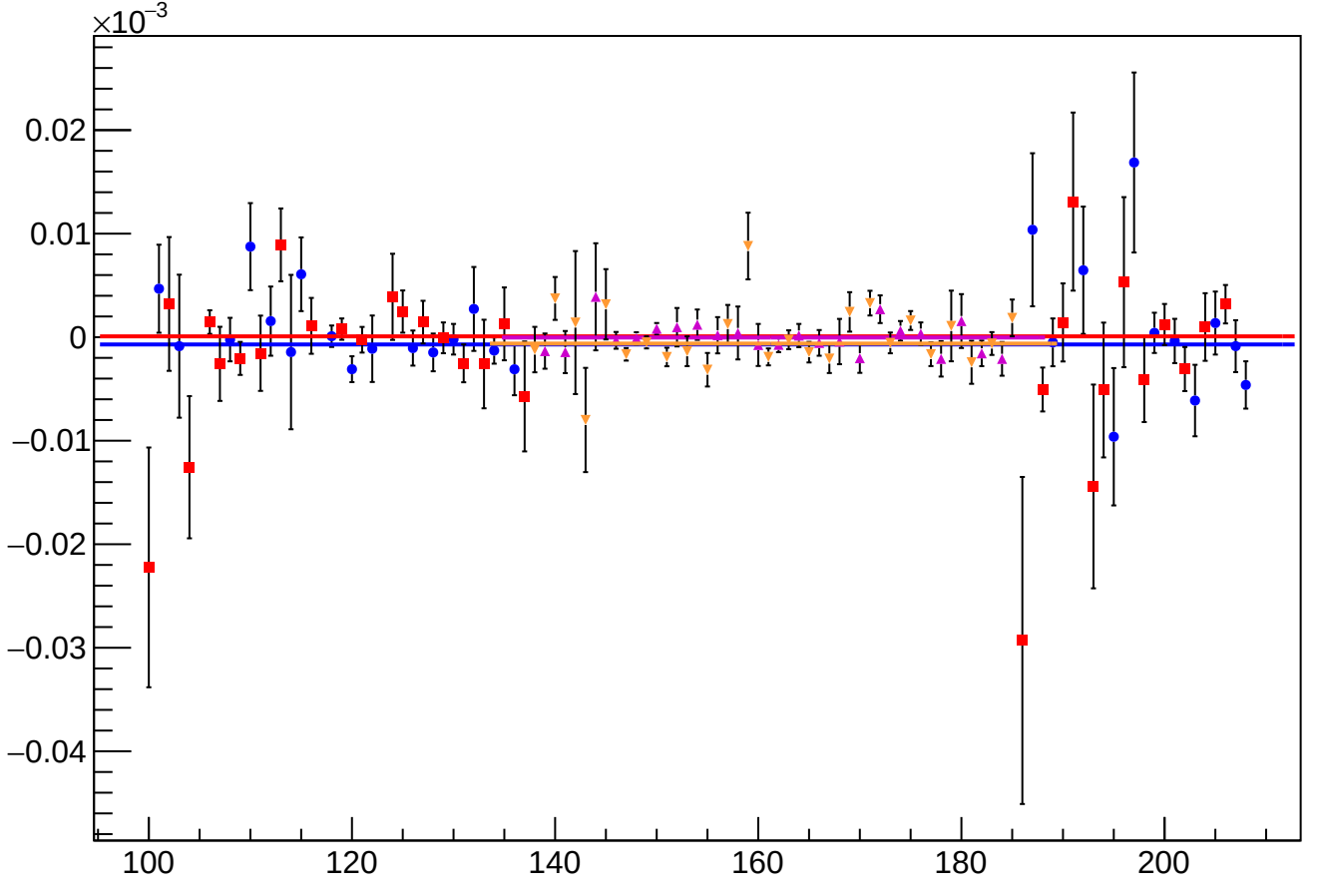
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.242+/-0.011 χ^2/NDF: 12872642.4/57

In: 60.710+/-0.009 χ^2/NDF:7331097.9/49

Out: 60.236+/-0.009 χ^2/NDF:8605529.0/55

All: 60.470+/-0.006 χ^2/NDF: 15938145.5/105



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

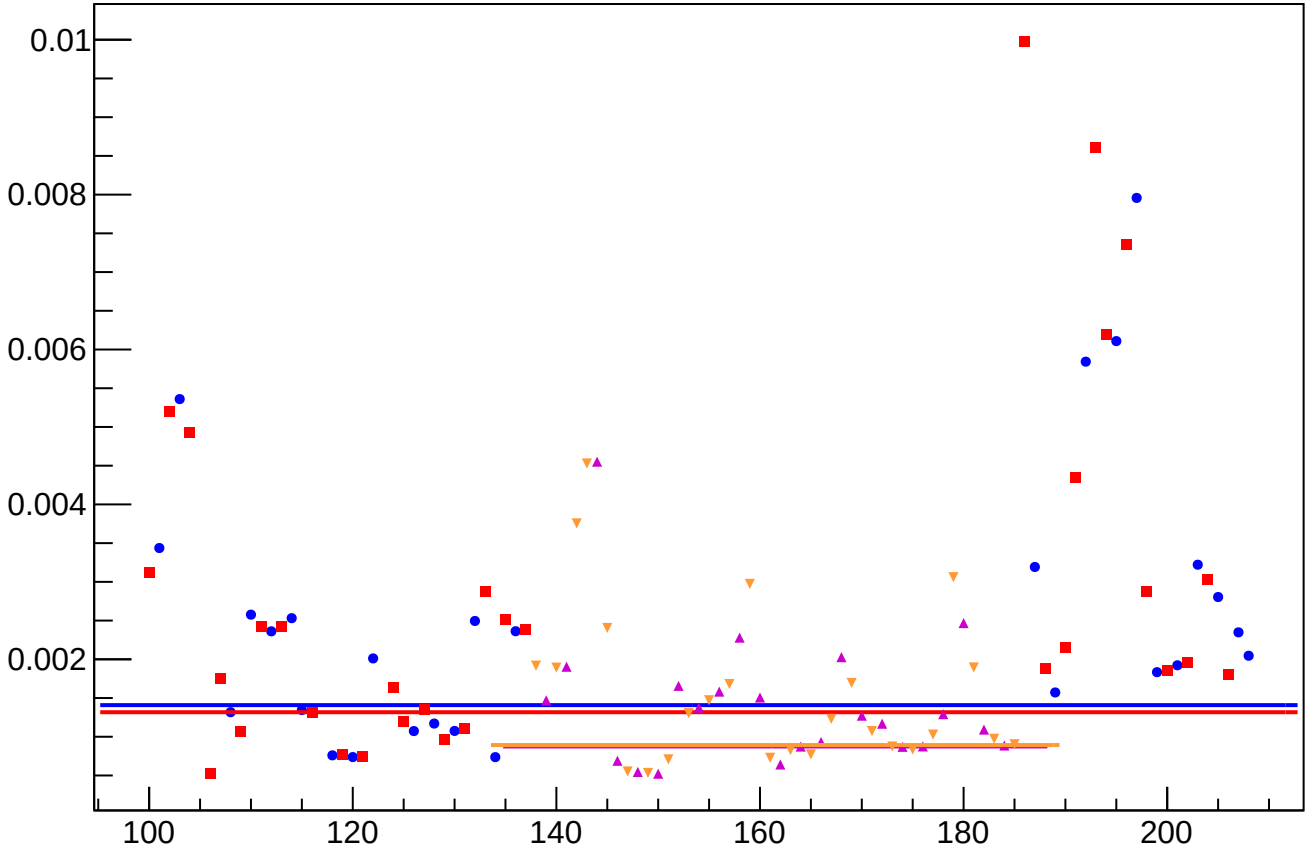
Right: -0.000+/-0.000 χ^2/NDF: 80.8/57

In: -0.000+/-0.000 χ^2/NDF:53.0/49

Out: -0.000+/-0.000 χ^2/NDF:101.0/55

All: -0.000+/-0.000 χ^2/NDF: 154.8/105

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9043133.5/26

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10179972.1/30

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

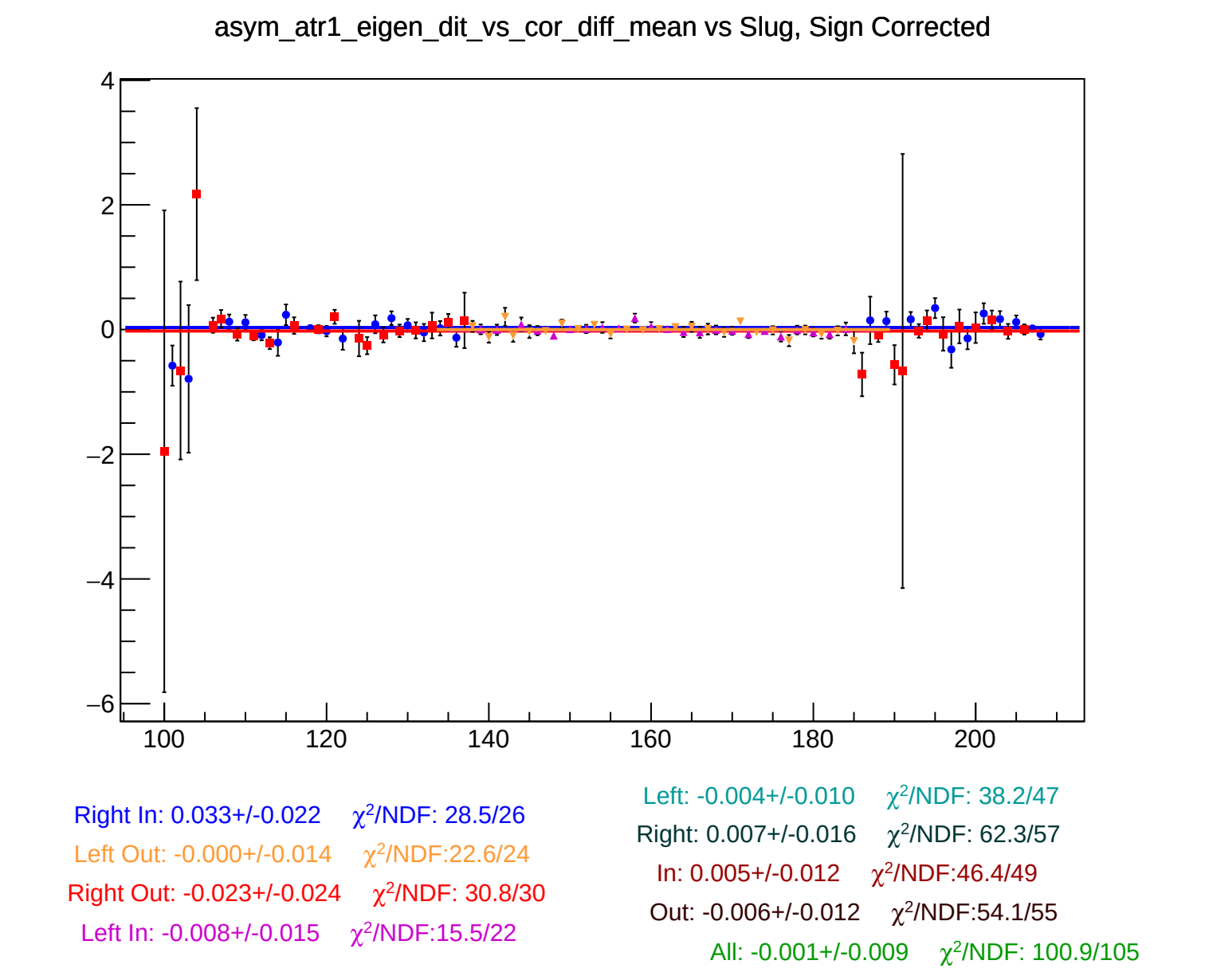
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

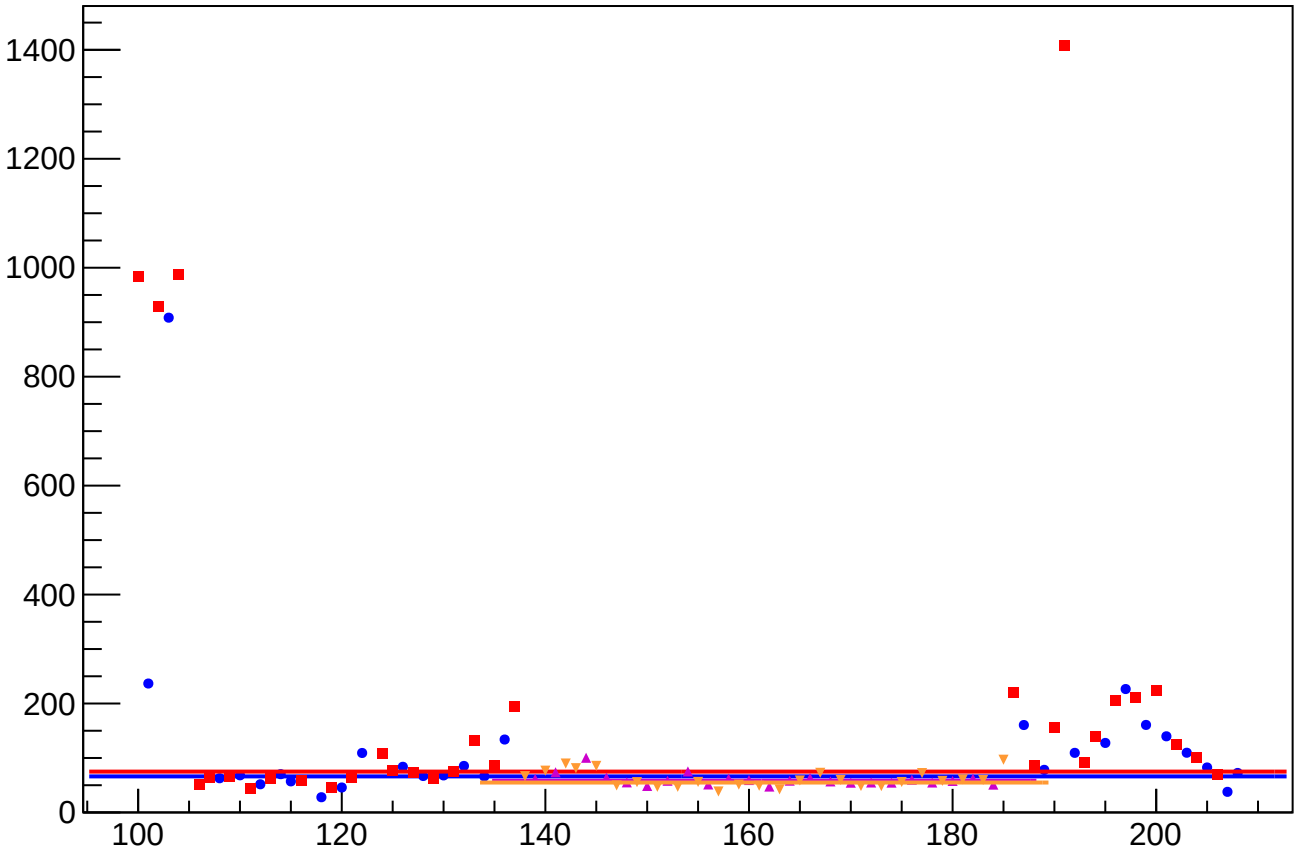
Right: 0.001+/-0.000 χ^2/NDF: 19270491.7/57

In: 0.001+/-0.000 χ^2/NDF:18388370.9/49

Out: 0.001+/-0.000 χ^2/NDF:19525861.9/55

All: 0.001+/-0.000 χ^2/NDF: 37914529.2/105


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.033+/-0.022 χ²/NDF: 28.5/26
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.023+/-0.024 χ²/NDF: 30.8/30
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.007+/-0.016 χ²/NDF: 62.3/57
In: 0.005+/-0.012 χ²/NDF:46.4/49
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.001+/-0.009 χ²/NDF: 100.9/105



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

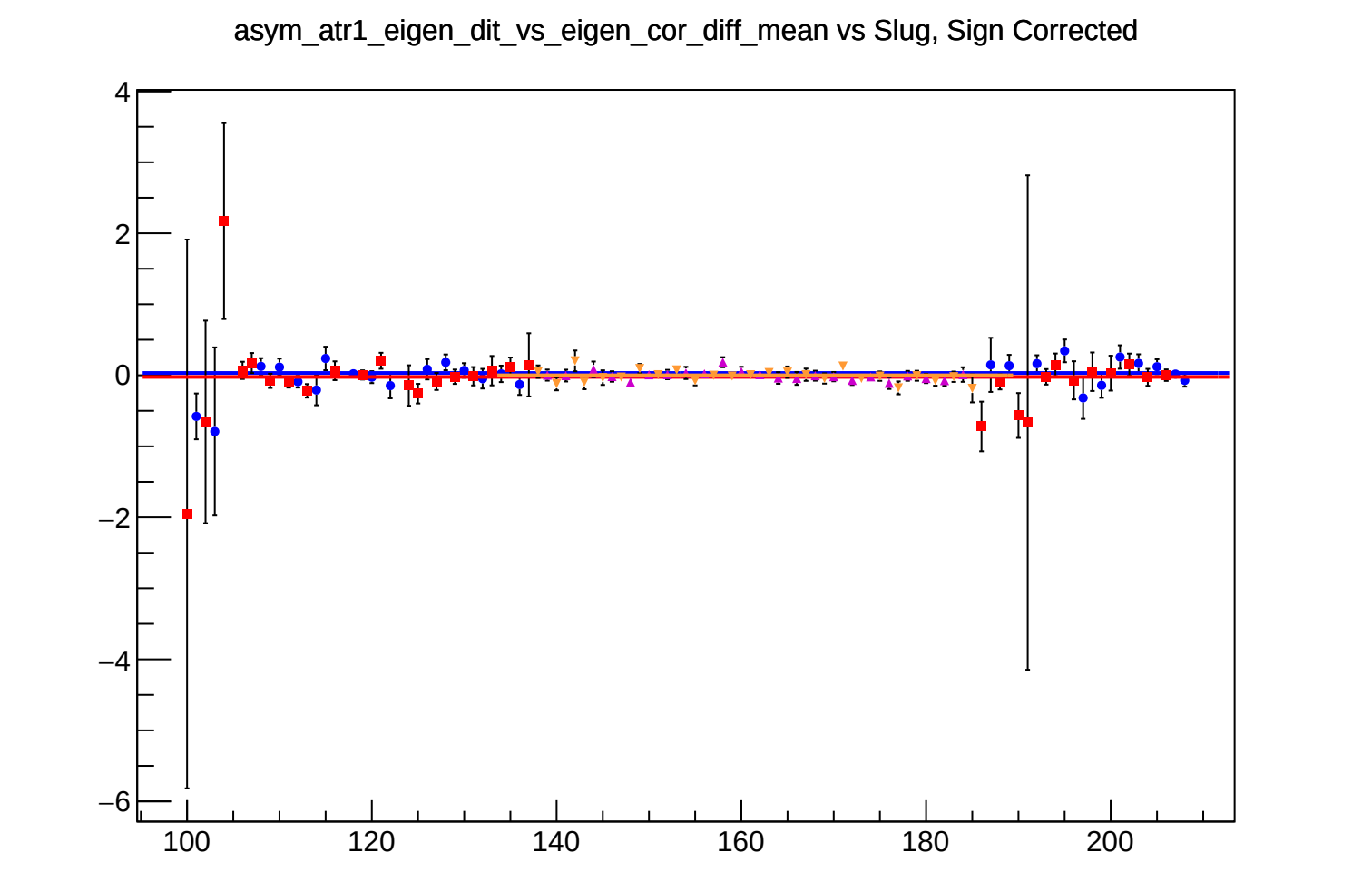
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.242+/-0.011 χ^2/NDF: 12872947.2/57

In: 60.710+/-0.009 χ^2/NDF:7331309.3/49

Out: 60.236+/-0.009 χ^2/NDF:8605661.7/55

All: 60.470+/-0.006 χ^2/NDF: 15938489.9/105



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.023+/-0.024 χ^2/NDF: 30.8/30

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

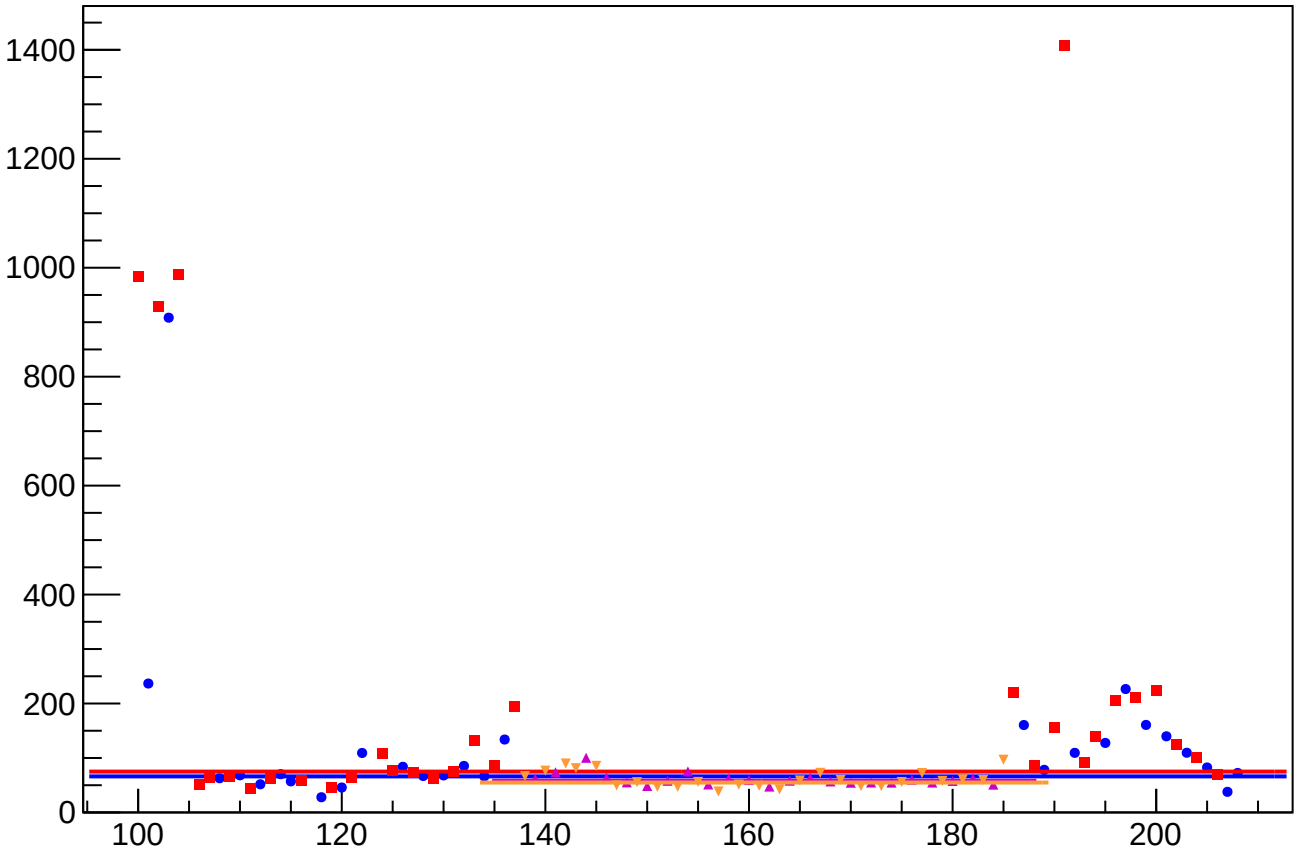
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.007+/-0.016 χ^2/NDF: 62.3/57

In: 0.005+/-0.012 χ^2/NDF:46.4/49

Out: -0.006+/-0.012 χ^2/NDF:54.1/55

All: -0.001+/-0.009 χ^2/NDF: 100.9/105



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

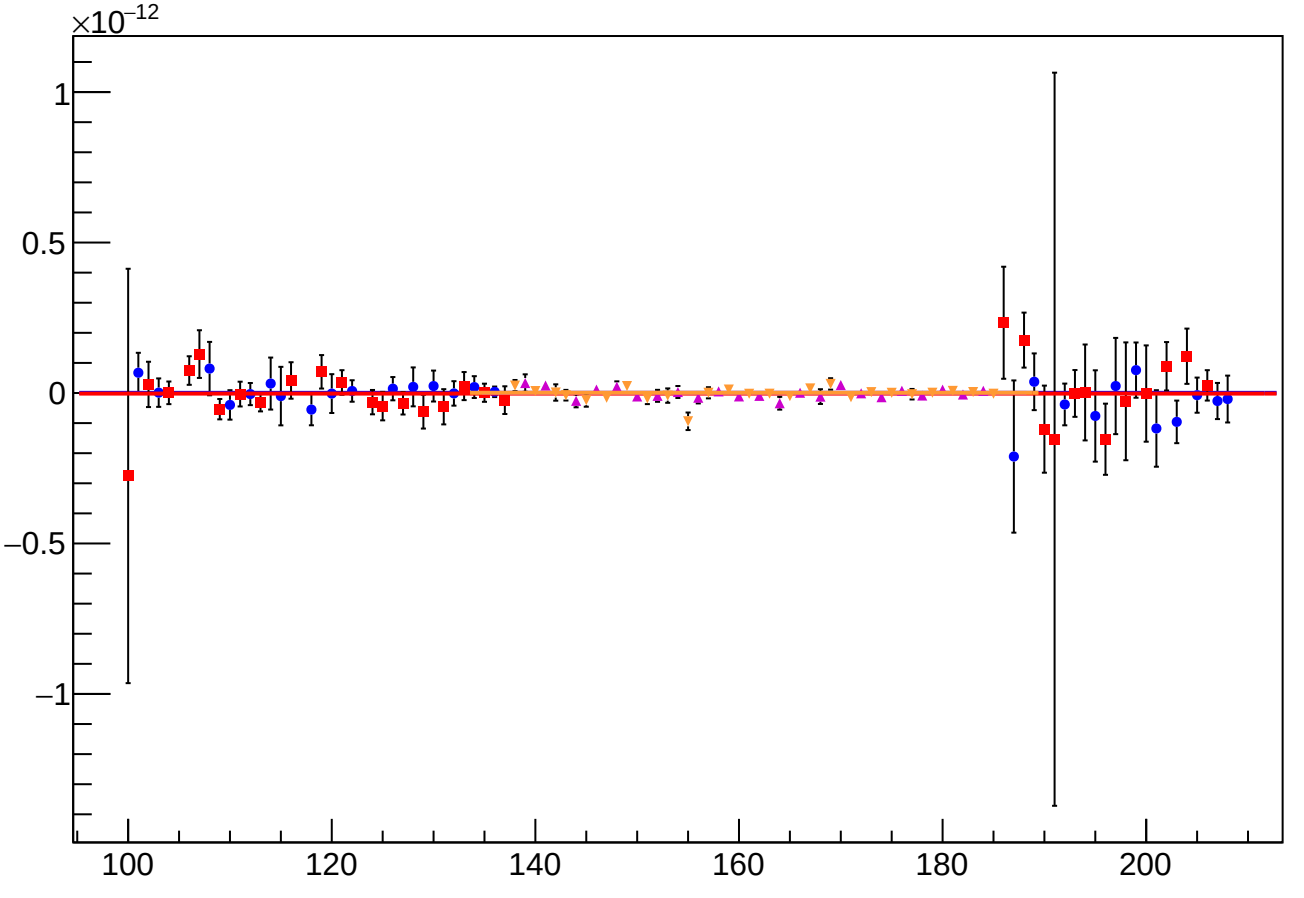
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.242+/-0.011 χ^2/NDF: 12872947.2/57

In: 60.710+/-0.009 χ^2/NDF:7331309.3/49

Out: 60.236+/-0.009 χ^2/NDF:8605661.7/55

All: 60.470+/-0.006 χ^2/NDF: 15938489.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/30

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

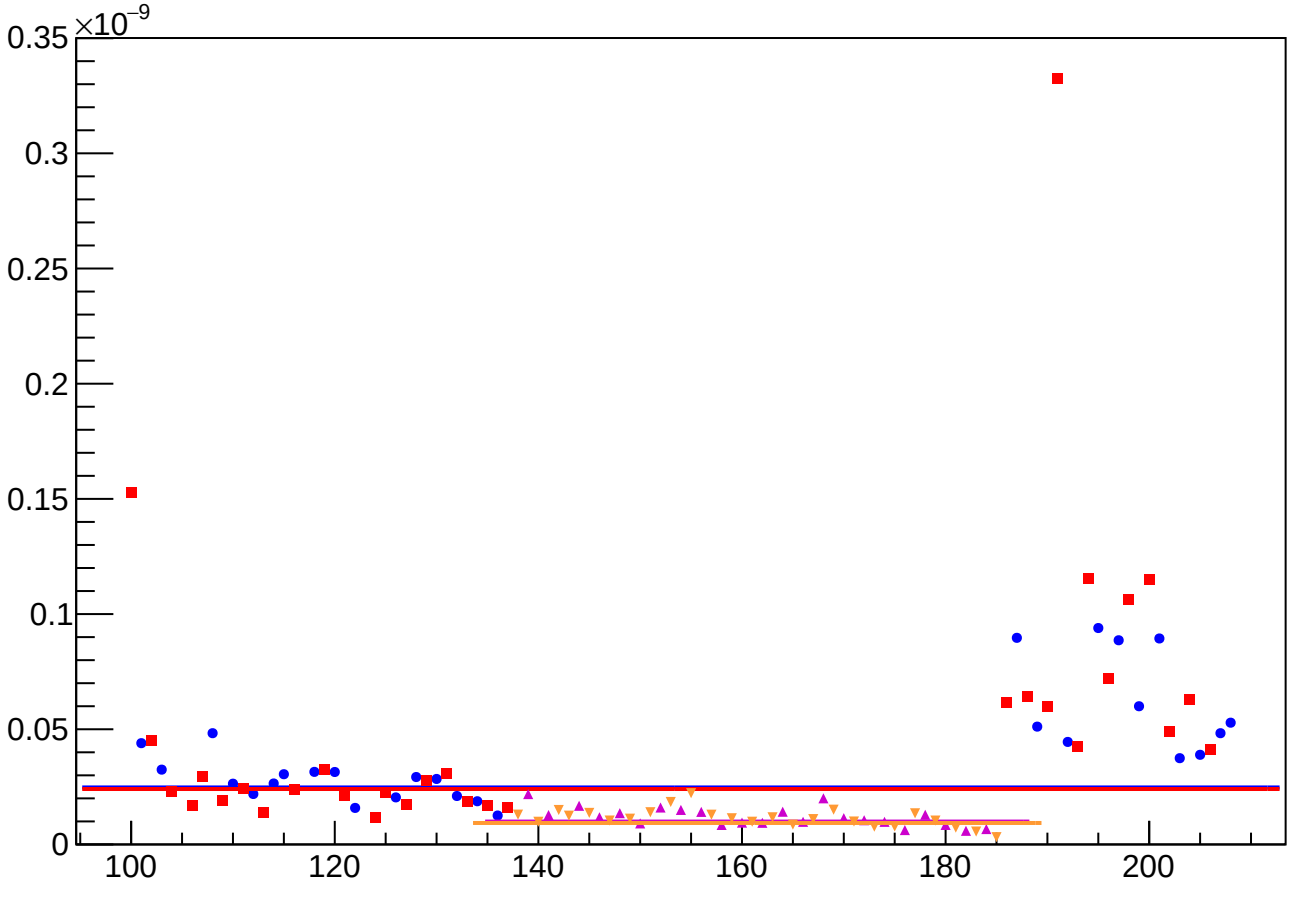
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 37.2/57

In: 0.000+/-0.000 χ^2/NDF:30.0/49

Out: 0.000+/-0.000 χ^2/NDF:52.9/55

All: 0.000+/-0.000 χ^2/NDF: 82.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 4398659.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4716829.2/30

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

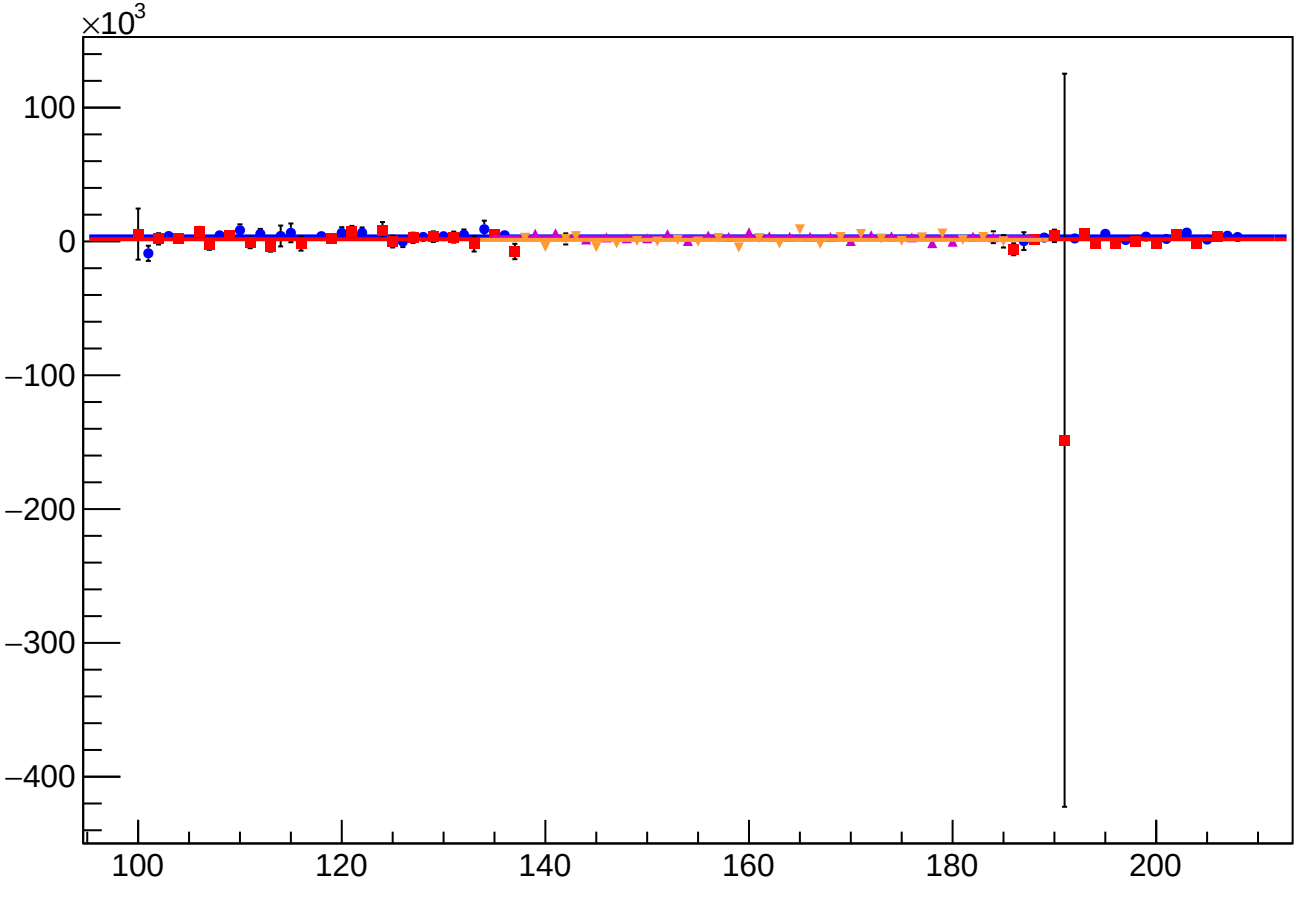
Right: 0.000+/-0.000 χ^2/NDF: 9120510.3/57

In: 0.000+/-0.000 χ^2/NDF:11392862.6/49

Out: 0.000+/-0.000 χ^2/NDF:12191909.8/55

All: 0.000+/-0.000 χ^2/NDF: 23665511.4/105

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3764.427+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1636.039+/-656.311 χ^2/NDF: 27.8/30

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

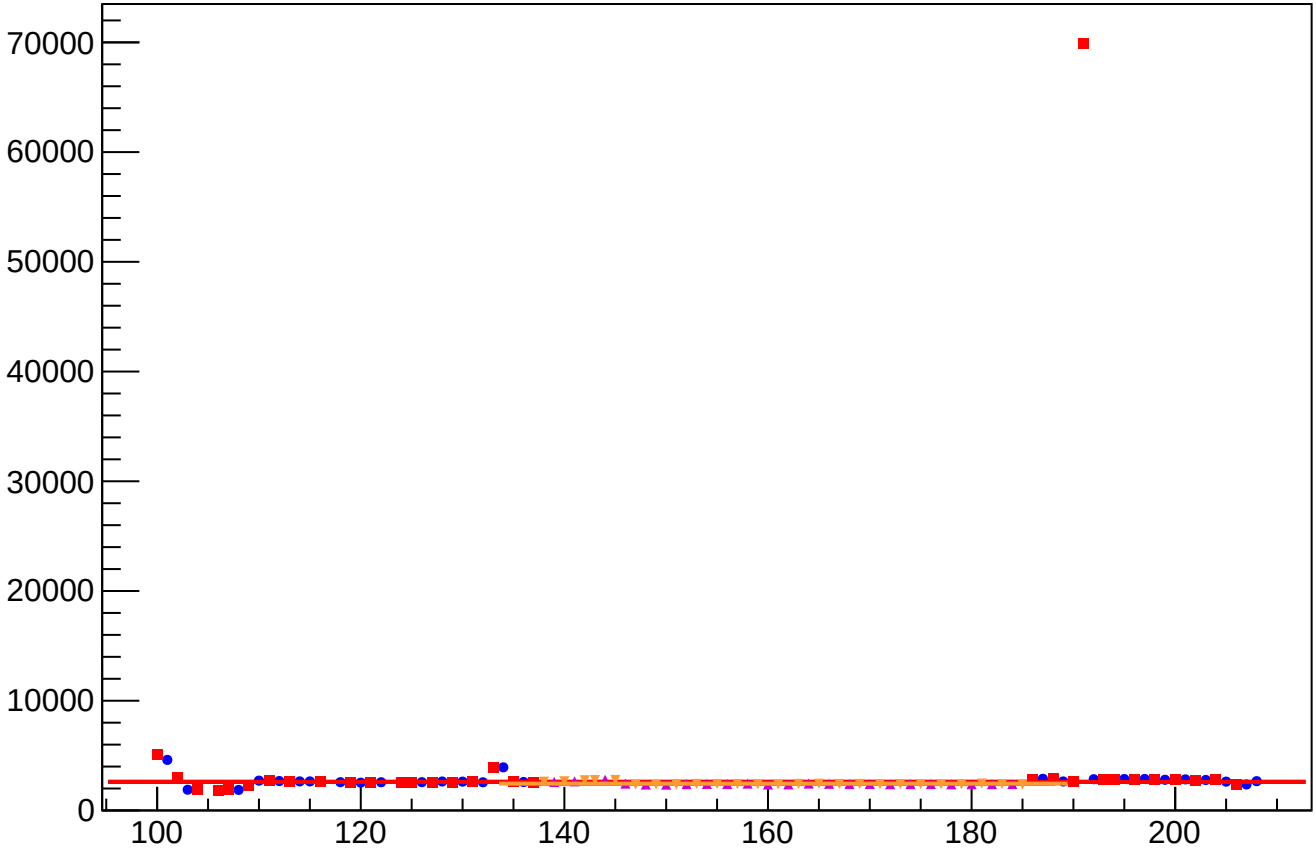
Right: 2686.387+/-467.091 χ^2/NDF: 45.9/57

In: 3408.371+/-432.410 χ^2/NDF:26.1/49

Out: 1375.780+/-424.340 χ^2/NDF:59.2/55

All: 2372.932+/-302.866 χ^2/NDF: 96.6/105

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2615.544+/-0.470 χ^2/NDF: 721684.7/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.291+/-0.464 χ^2/NDF: 754901.9/30

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

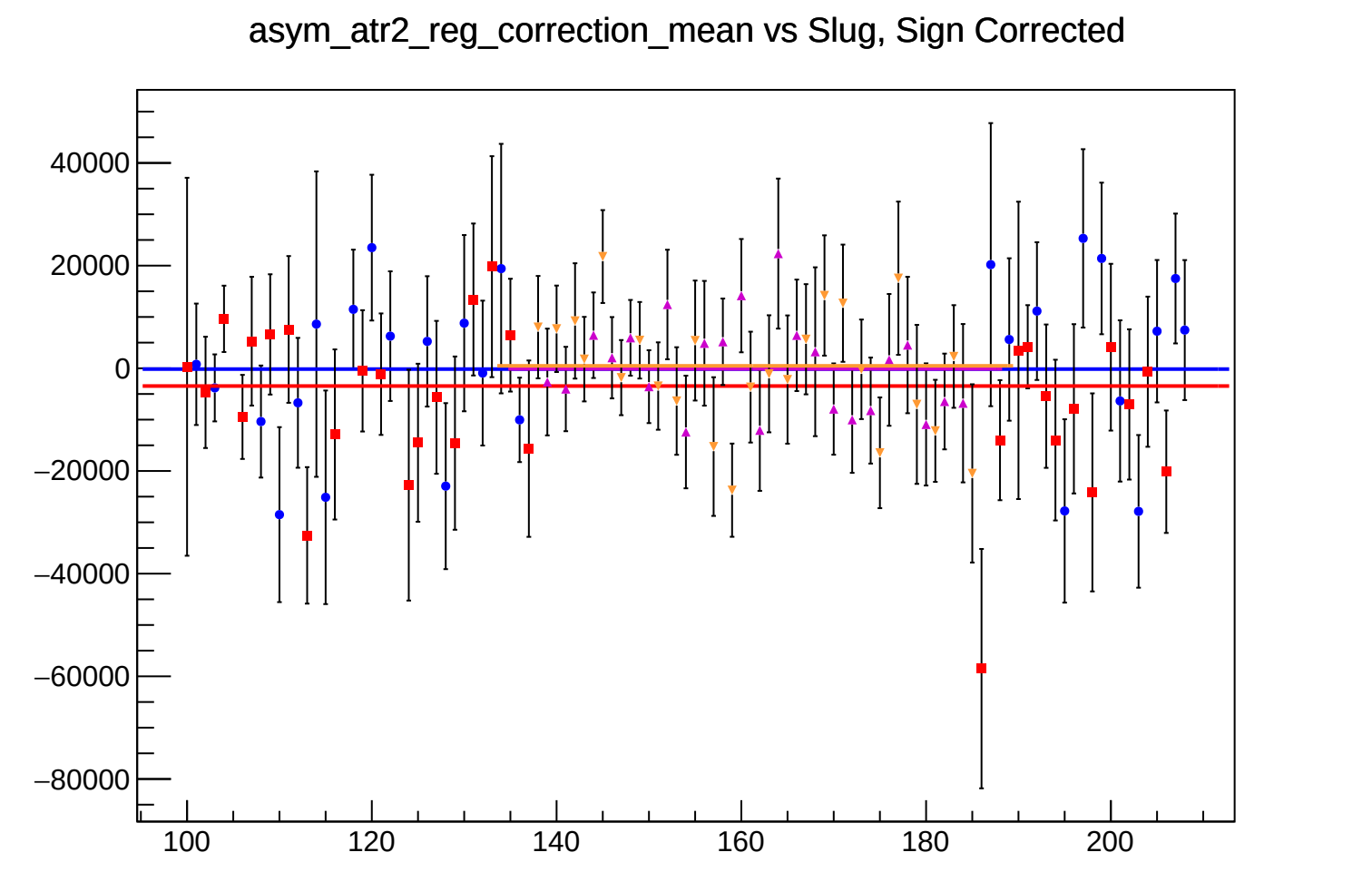
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2607.312+/-0.330 χ^2/NDF: 1477191.9/57

In: 2511.906+/-0.306 χ^2/NDF:865076.2/49

Out: 2509.979+/-0.300 χ^2/NDF:908557.1/55

All: 2510.924+/-0.214 χ^2/NDF: 1773653.5/10



Right In: -152.536+/-2556.261 χ^2/NDF: 28.6/26

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -3452.601+/-2330.086 χ^2/NDF: 28.5/30

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

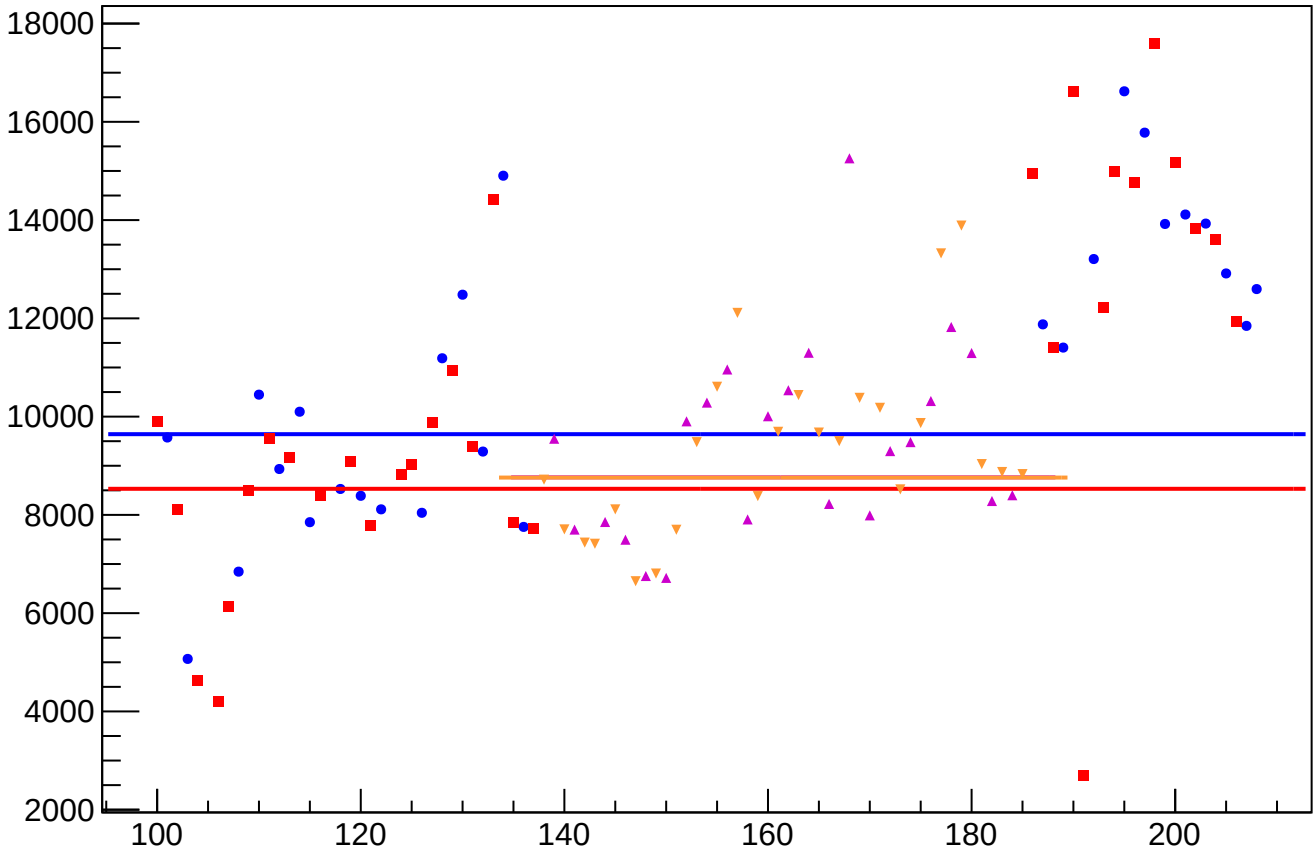
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1954.992+/-1722.040 χ^2/NDF: 58.0/57

In: -124.027+/-1618.449 χ^2/NDF:43.1/49

Out: -1224.174+/-1533.154 χ^2/NDF:57.5/55

All: -703.854+/-1113.036 χ^2/NDF: 100.8/105



Right In: 9642.775+/-1.808 χ^2/NDF: 3004388.7/26

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8530.906+/-1.648 χ^2/NDF: 5294195.5/30

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

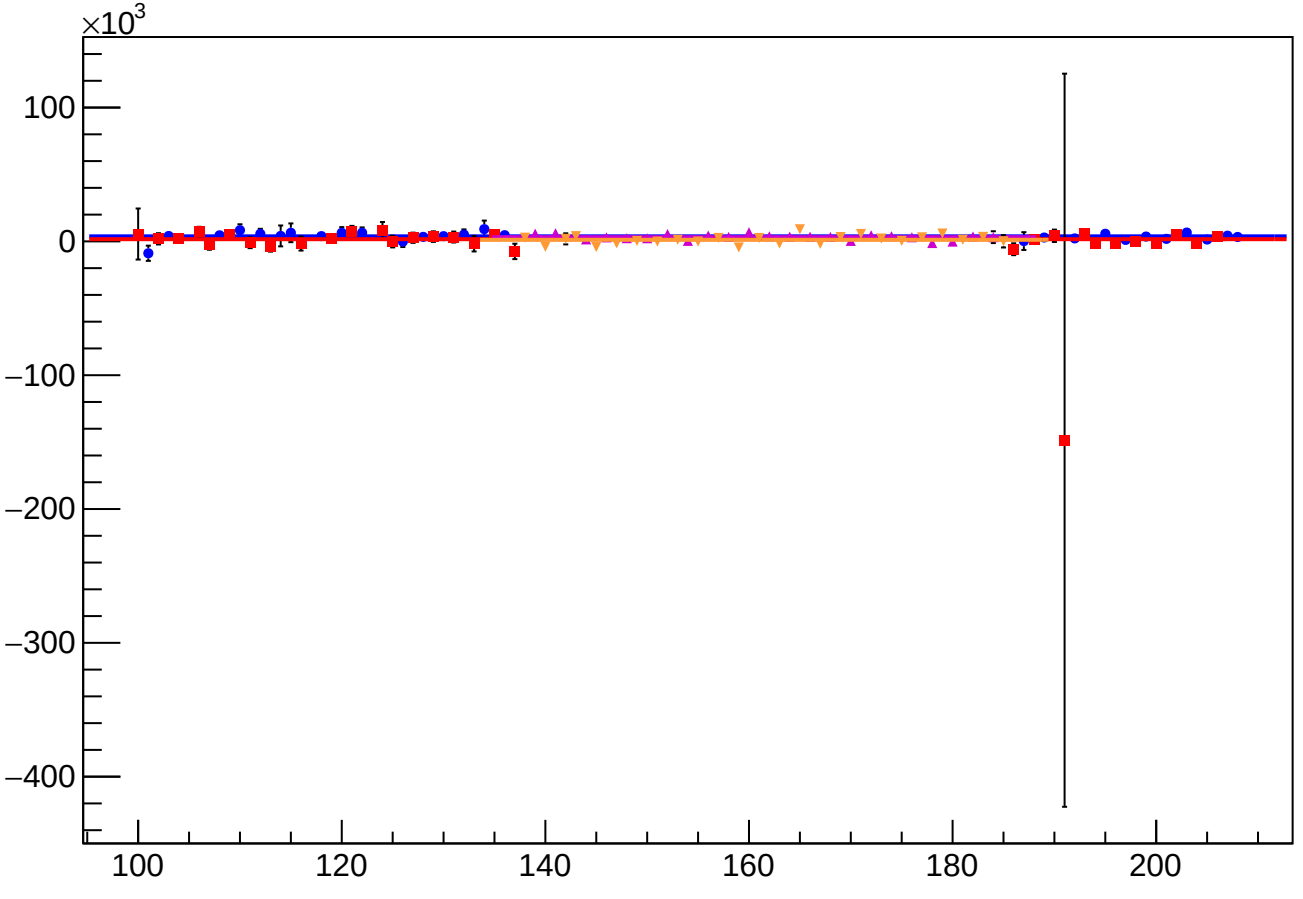
Right: 9035.484+/-1.218 χ^2/NDF: 8505250.5/57

In: 9116.344+/-1.144 χ^2/NDF:4437657.3/49

Out: 8660.609+/-1.084 χ^2/NDF:6527362.0/55

All: 8876.151+/-0.787 χ^2/NDF: 11048599.7/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1636.380+/-656.314 χ^2/NDF: 27.8/30

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

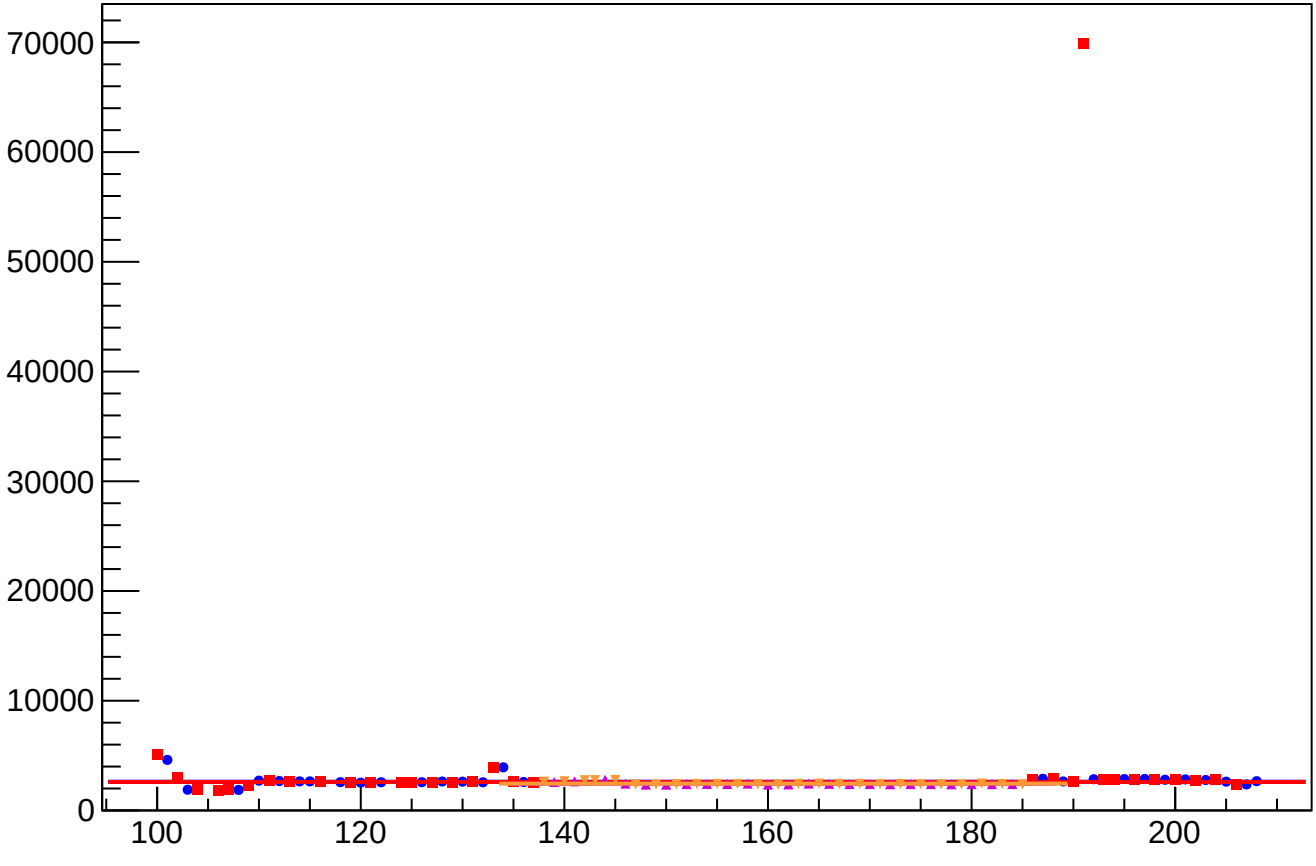
Right: 2686.501+/-467.092 χ^2/NDF: 46.0/57

In: 3408.203+/-432.410 χ^2/NDF:26.1/49

Out: 1375.823+/-424.340 χ^2/NDF:59.2/55

All: 2372.874+/-302.867 χ^2/NDF: 96.6/105

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

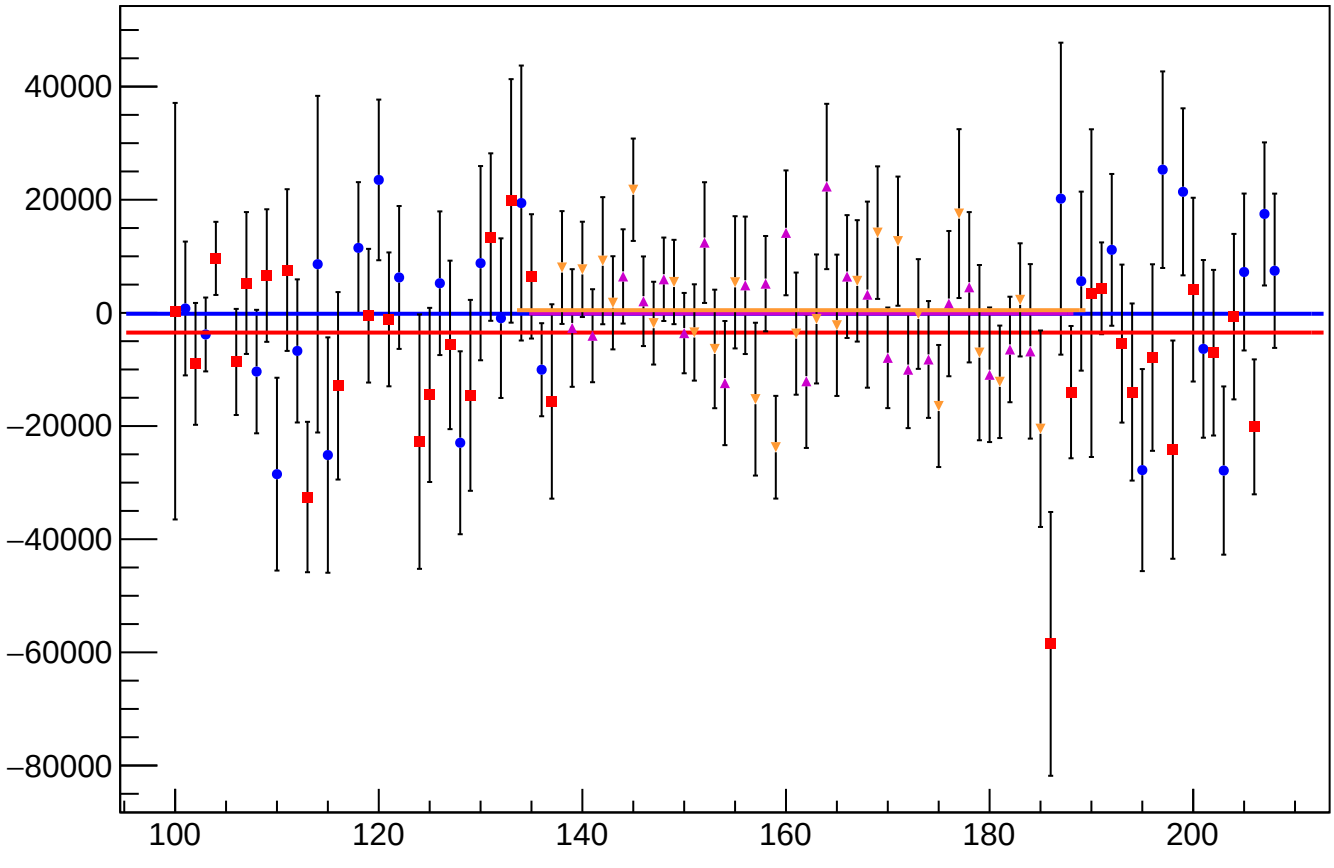
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2607.319+/-0.330 χ^2/NDF: 1477115.8/57

In: 2511.906+/-0.306 χ^2/NDF:865073.9/49

Out: 2509.984+/-0.300 χ^2/NDF:908495.7/55

All: 2510.927+/-0.214 χ^2/NDF: 1773589.7/10



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -3479.674+/-2352.245 χ^2/NDF: 28.6/30

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

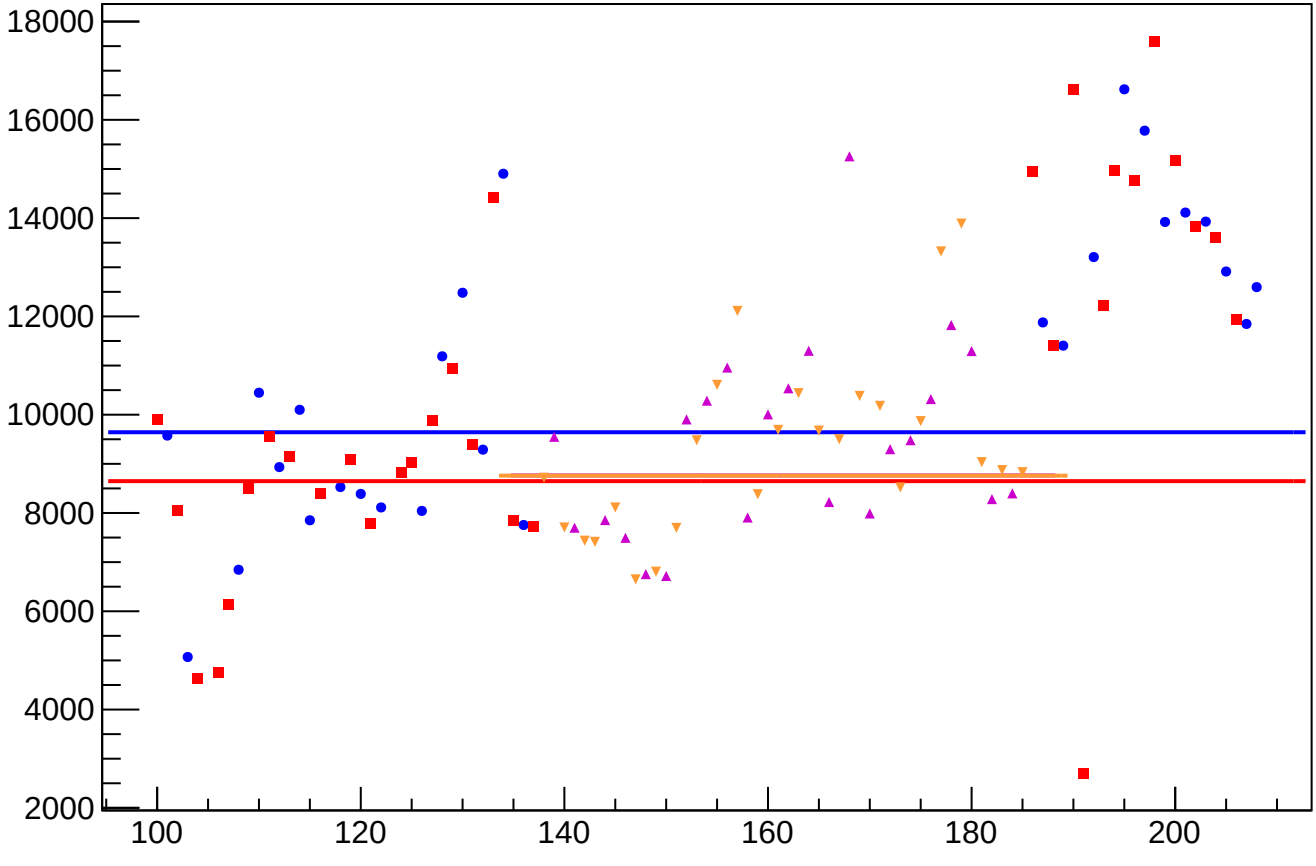
Right: -1954.026+/-1730.942 χ^2/NDF: 58.0/57

In: -123.929+/-1618.461 χ^2/NDF:43.1/49

Out: -1217.522+/-1539.414 χ^2/NDF:57.6/55

All: -698.082+/-1115.429 χ^2/NDF: 100.9/105

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 9643.064+/-1.808 χ^2/NDF: 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

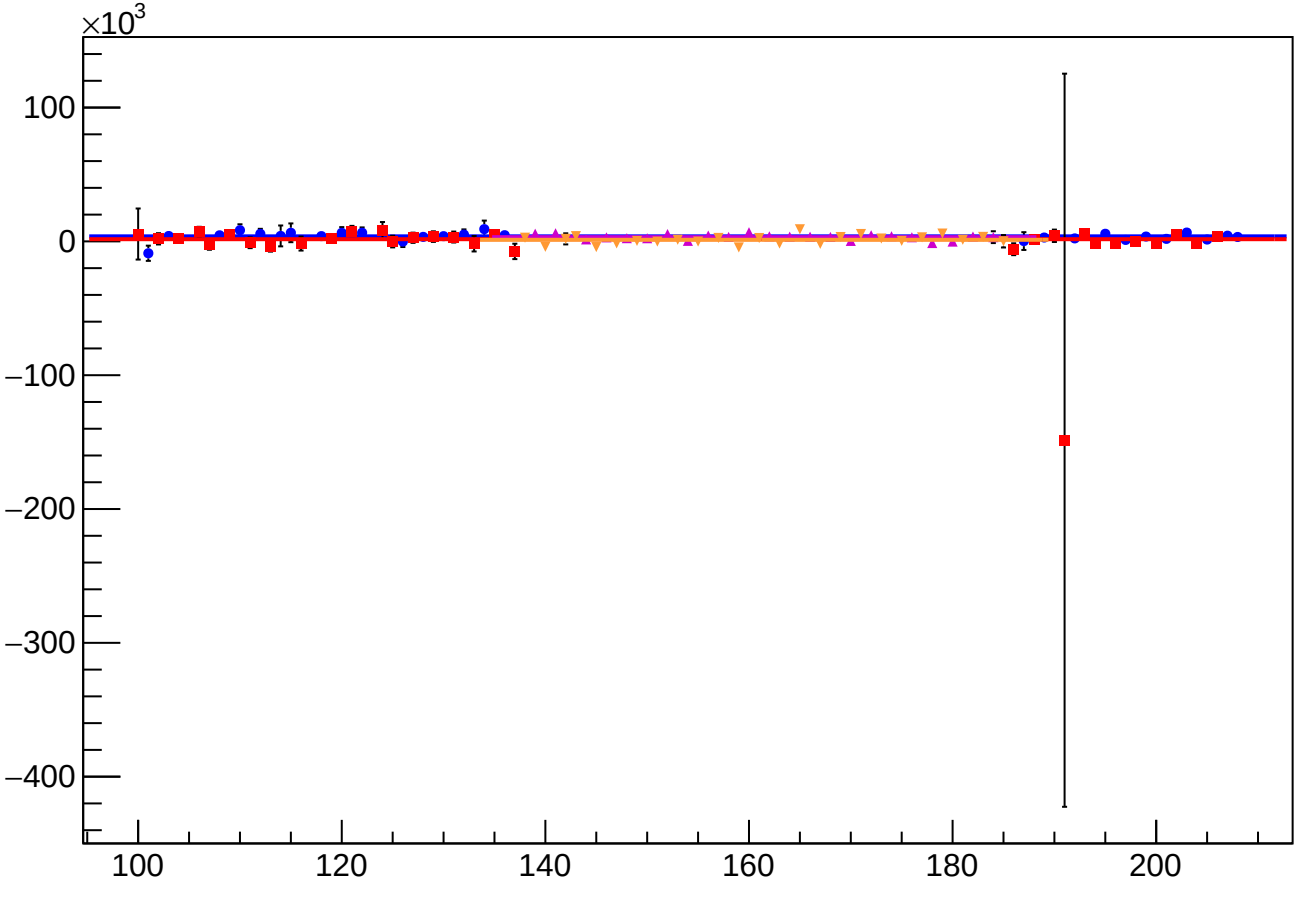
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9104.137+/-1.224 χ^2/NDF: 8220449.6/57

In: 9116.448+/-1.144 χ^2/NDF:4437190.5/49

Out: 8711.740+/-1.089 χ^2/NDF:6277295.1/55

All: 8903.970+/-0.789 χ^2/NDF: 10780142.9/1



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1636.380+/-656.314 χ^2/NDF: 27.8/30

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

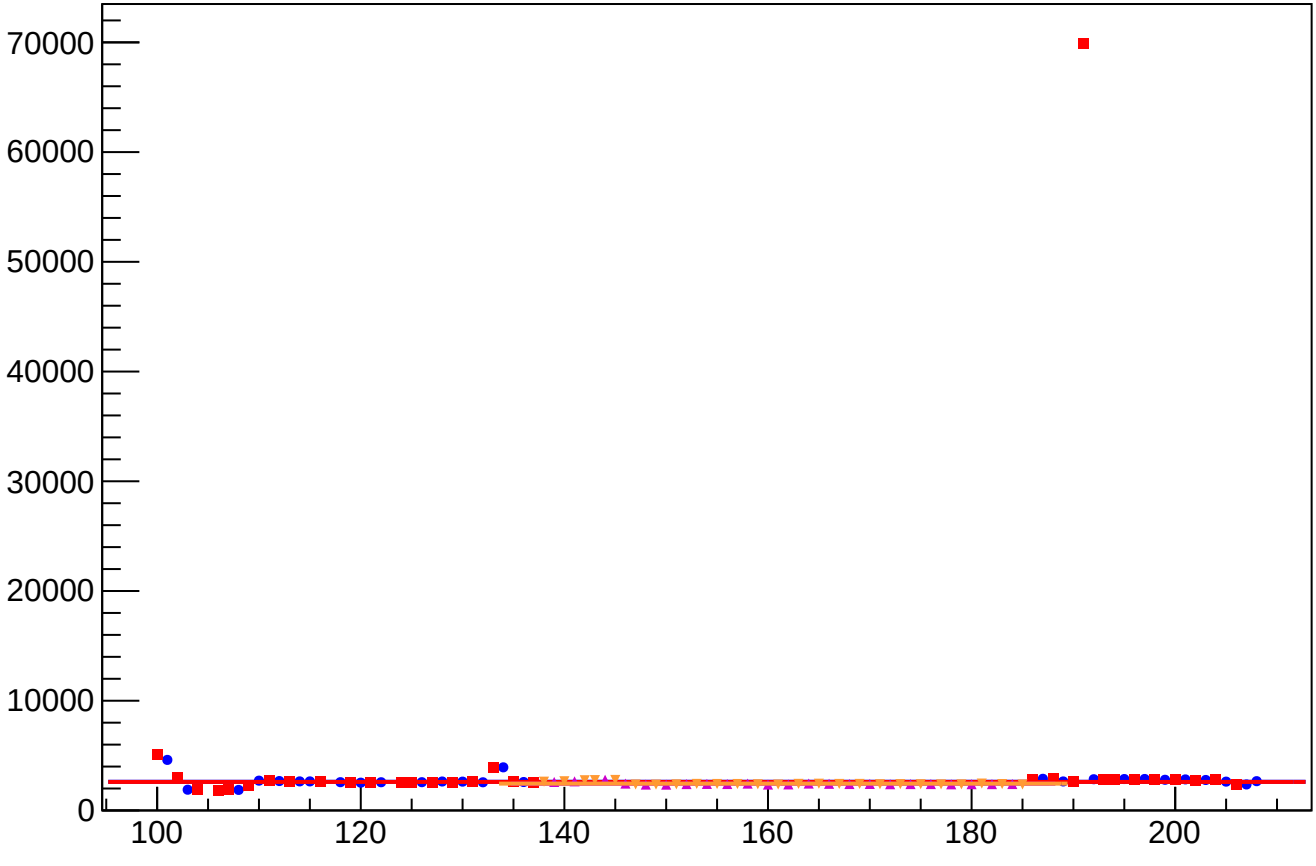
Right: 2686.501+/-467.092 χ^2/NDF: 46.0/57

In: 3408.203+/-432.410 χ^2/NDF:26.1/49

Out: 1375.823+/-424.340 χ^2/NDF:59.2/55

All: 2372.874+/-302.867 χ^2/NDF: 96.6/105

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

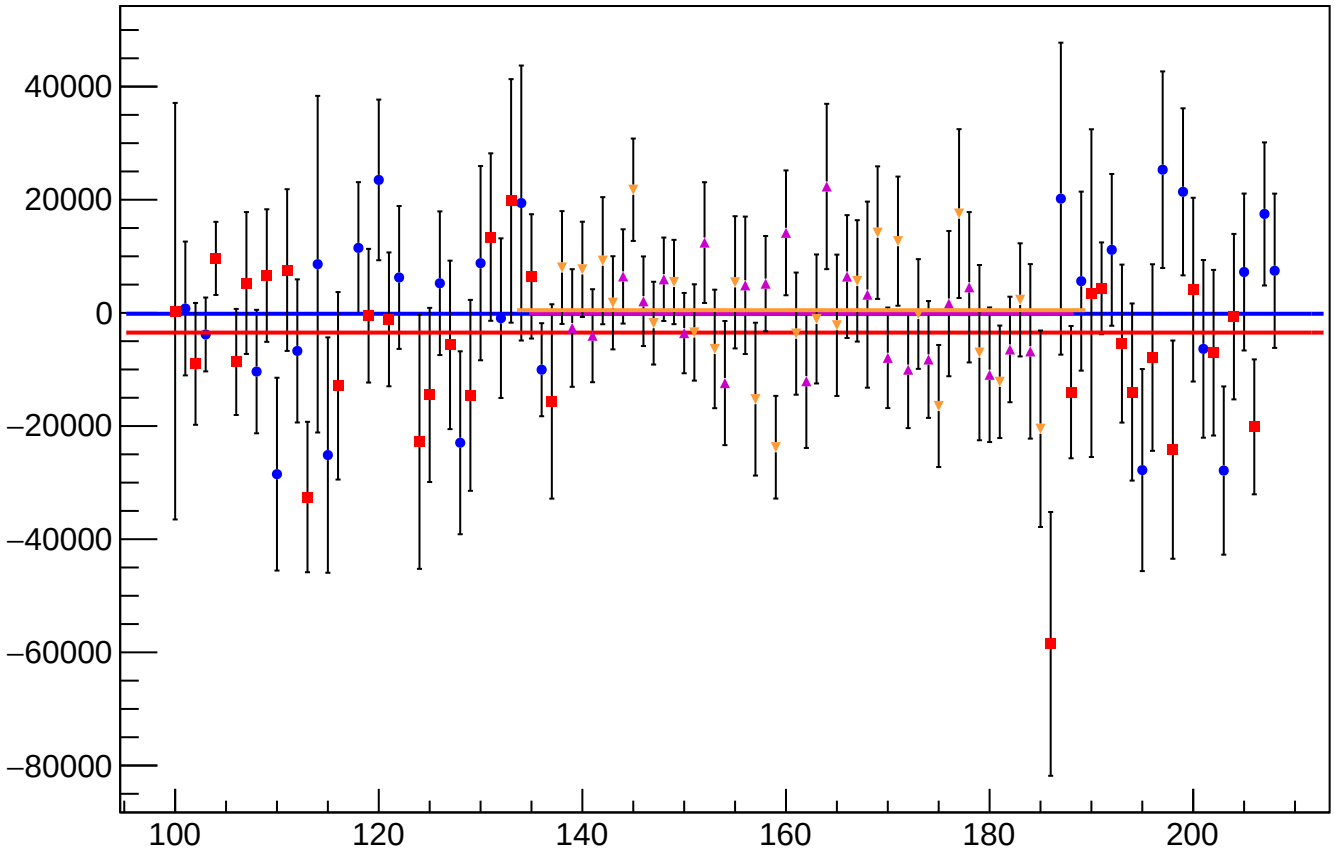
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2607.319+/-0.330 χ^2/NDF: 1477115.8/57

In: 2511.906+/-0.306 χ^2/NDF:865073.9/49

Out: 2509.984+/-0.300 χ^2/NDF:908495.7/55

All: 2510.927+/-0.214 χ^2/NDF: 1773589.7/10



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -3479.674+/-2352.245 χ^2/NDF: 28.6/30

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

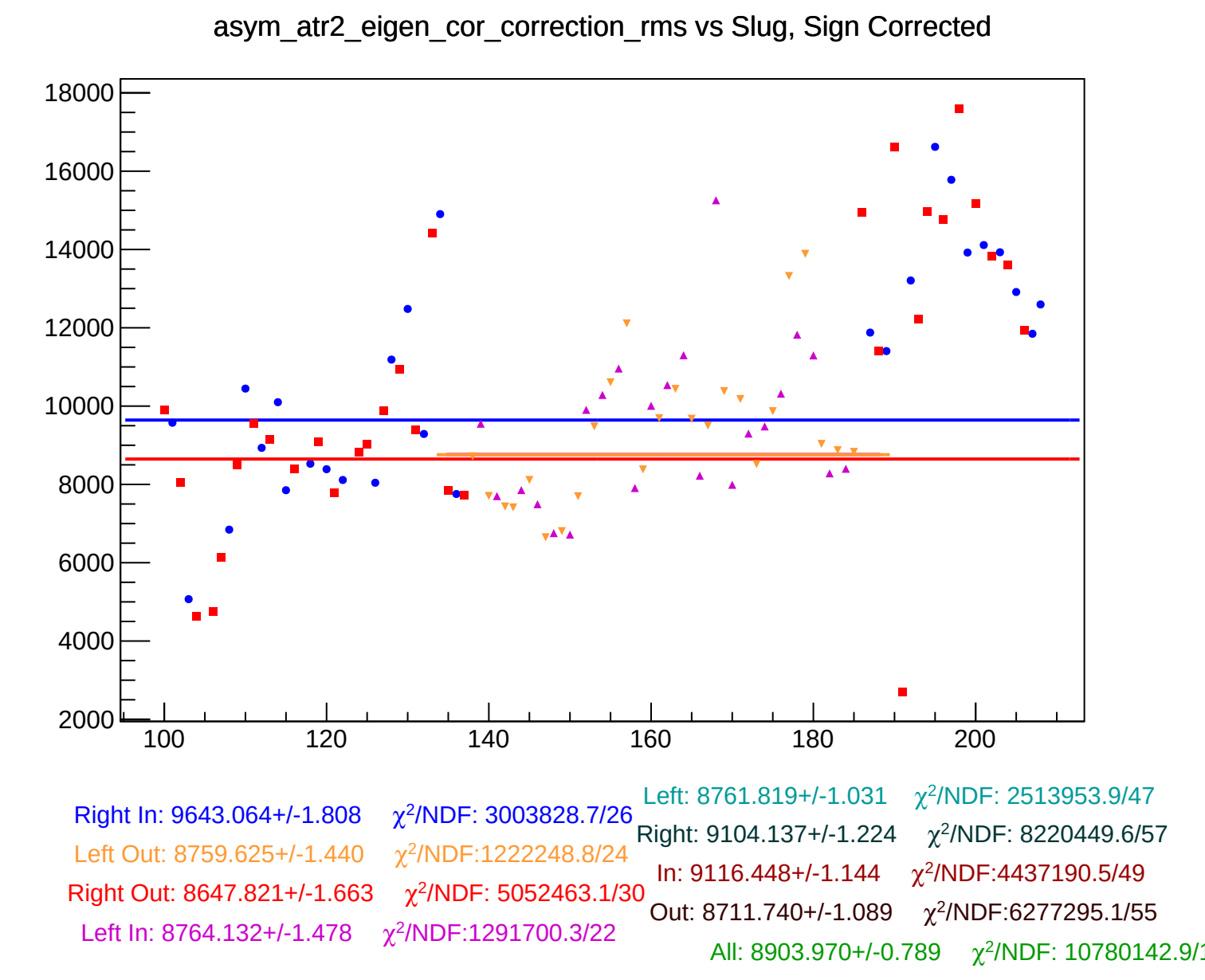
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

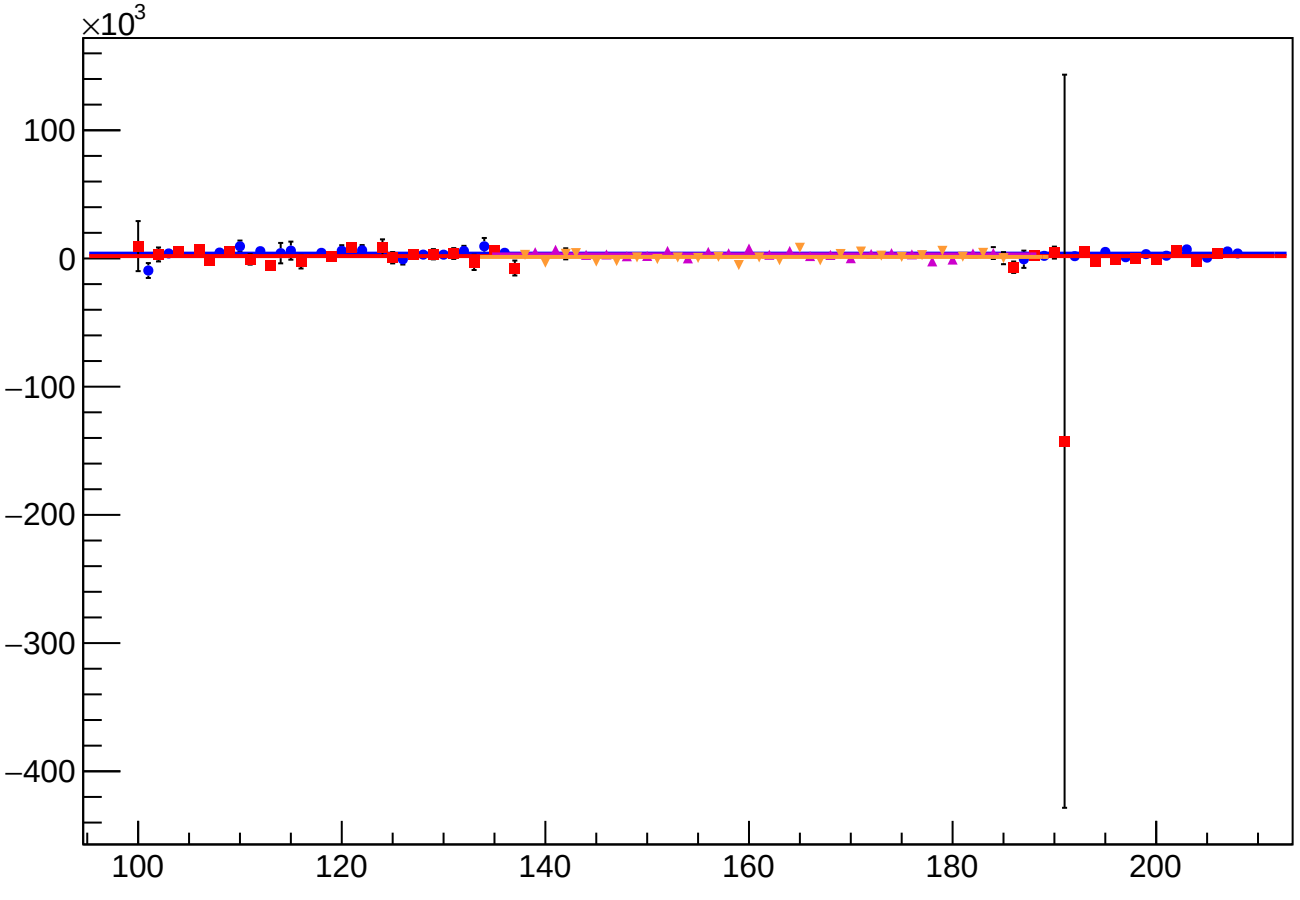
Right: -1954.026+/-1730.942 χ^2/NDF: 58.0/57

In: -123.929+/-1618.461 χ^2/NDF:43.1/49

Out: -1217.522+/-1539.414 χ^2/NDF:57.6/55

All: -698.082+/-1115.429 χ^2/NDF: 100.9/105


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9643.064+/-1.808 χ²/NDF: 3003828.7/26
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 8647.821+/-1.663 χ²/NDF: 5052463.1/30
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 9104.137+/-1.224 χ²/NDF: 8220449.6/57
In: 9116.448+/-1.144 χ²/NDF:4437190.5/49
Out: 8711.740+/-1.089 χ²/NDF:6277295.1/55
All: 8903.970+/-0.789 χ²/NDF: 10780142.9/1



Right In: 3761.259+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1850.492+/-678.747 χ^2/NDF: 31.6/30

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

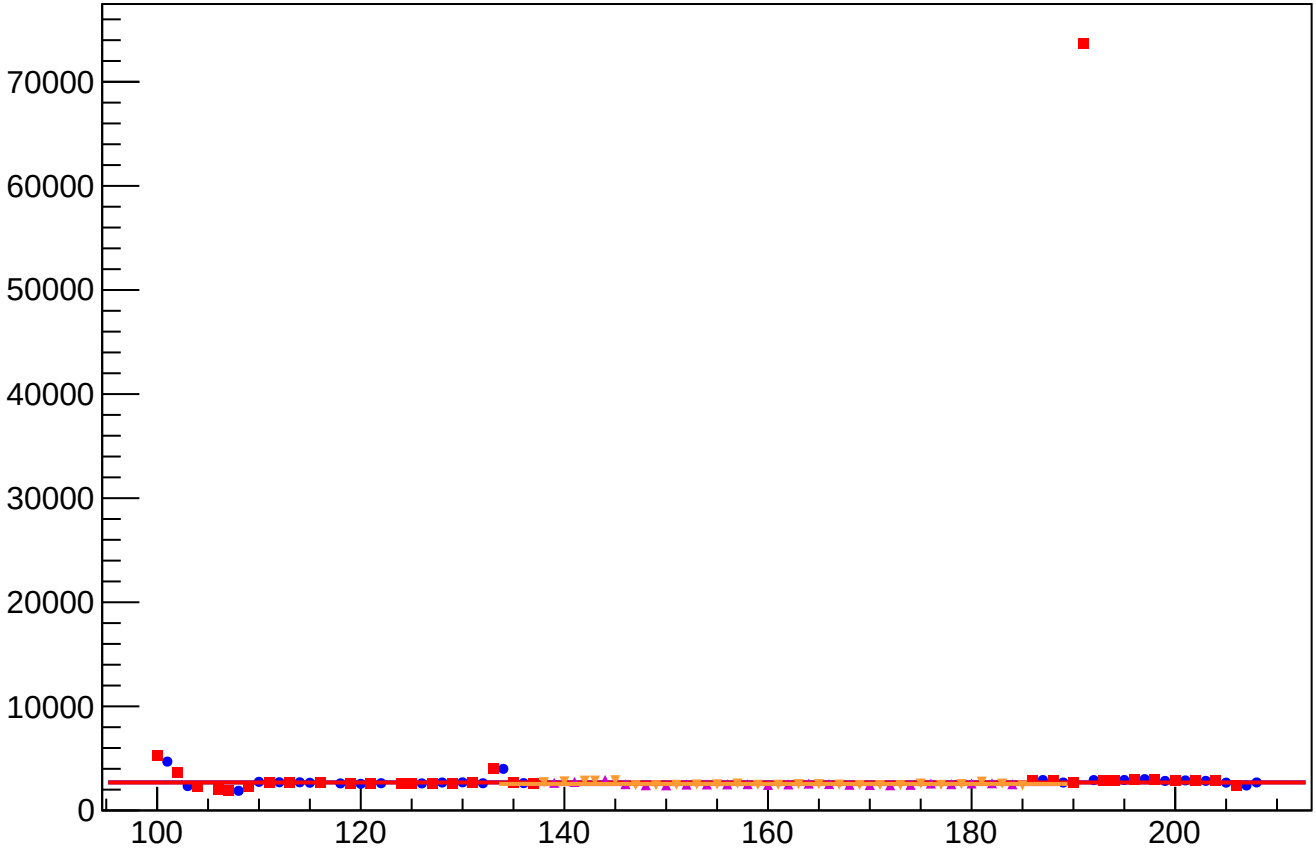
Right: 2797.464+/-482.055 χ^2/NDF: 51.0/57

In: 3411.668+/-447.887 χ^2/NDF:32.3/49

Out: 1482.383+/-440.806 χ^2/NDF:59.0/55

All: 2431.653+/-314.171 χ^2/NDF: 100.7/105

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.019+/-0.484 χ^2/NDF: 583675.6/26

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.1/30

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

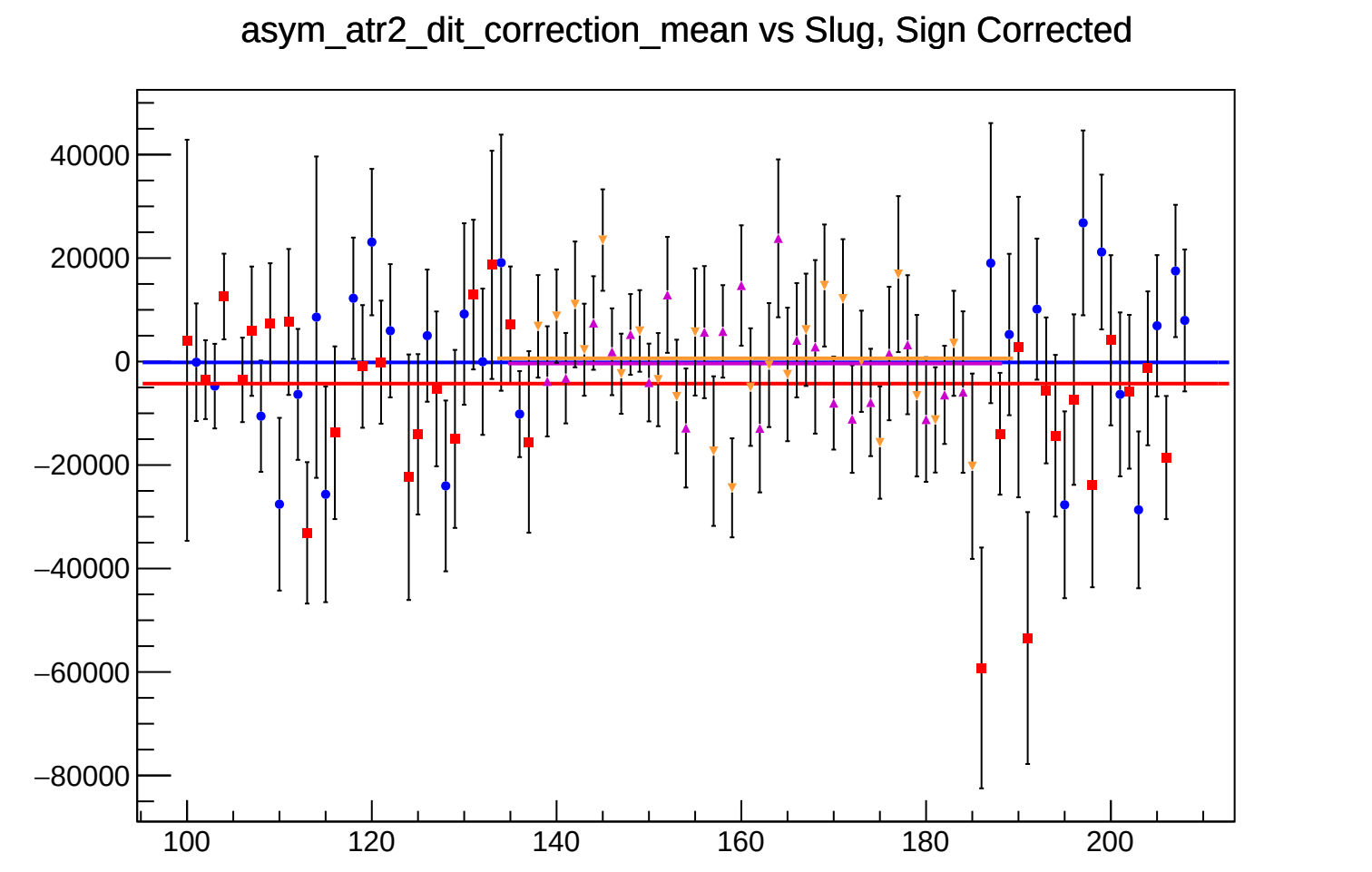
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2692.866+/-0.341 χ^2/NDF: 1250850.9/57

In: 2603.898+/-0.317 χ^2/NDF:719569.5/49

Out: 2606.082+/-0.312 χ^2/NDF:833137.9/55

All: 2605.008+/-0.222 χ^2/NDF: 1552731.5/10



Right In: -160.080+/-2638.716 χ^2/NDF: 28.4/26

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -4263.194+/-2437.798 χ^2/NDF: 30.4/30

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

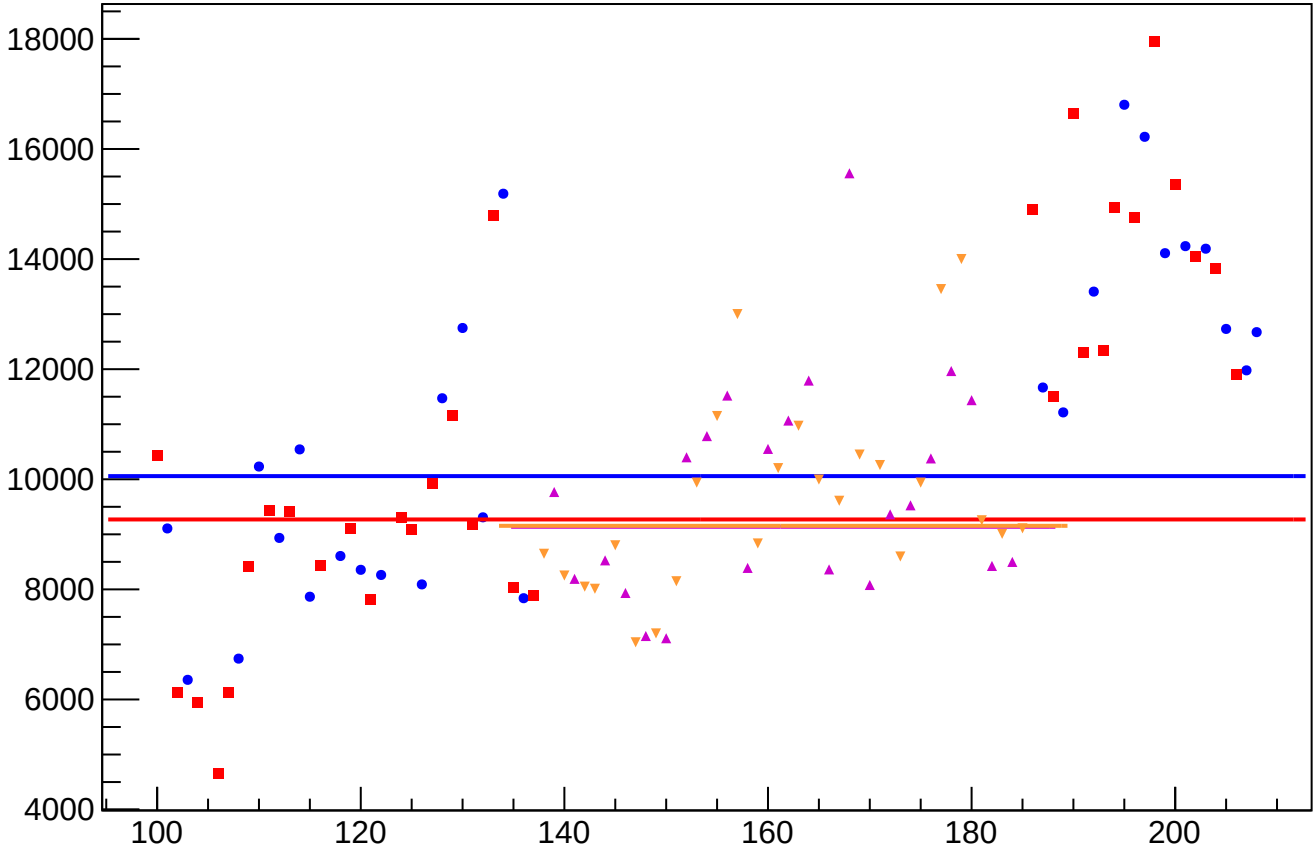
Right: -2373.776+/-1790.606 χ^2/NDF: 60.2/57

In: -289.729+/-1678.961 χ^2/NDF:42.7/49

Out: -1479.798+/-1601.038 χ^2/NDF:59.4/55

All: -913.020+/-1158.673 χ^2/NDF: 102.3/105

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 10057.596+/-1.866 χ^2/NDF: 2378740.7/26

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9270.175+/-1.724 χ^2/NDF: 3750438.7/30

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

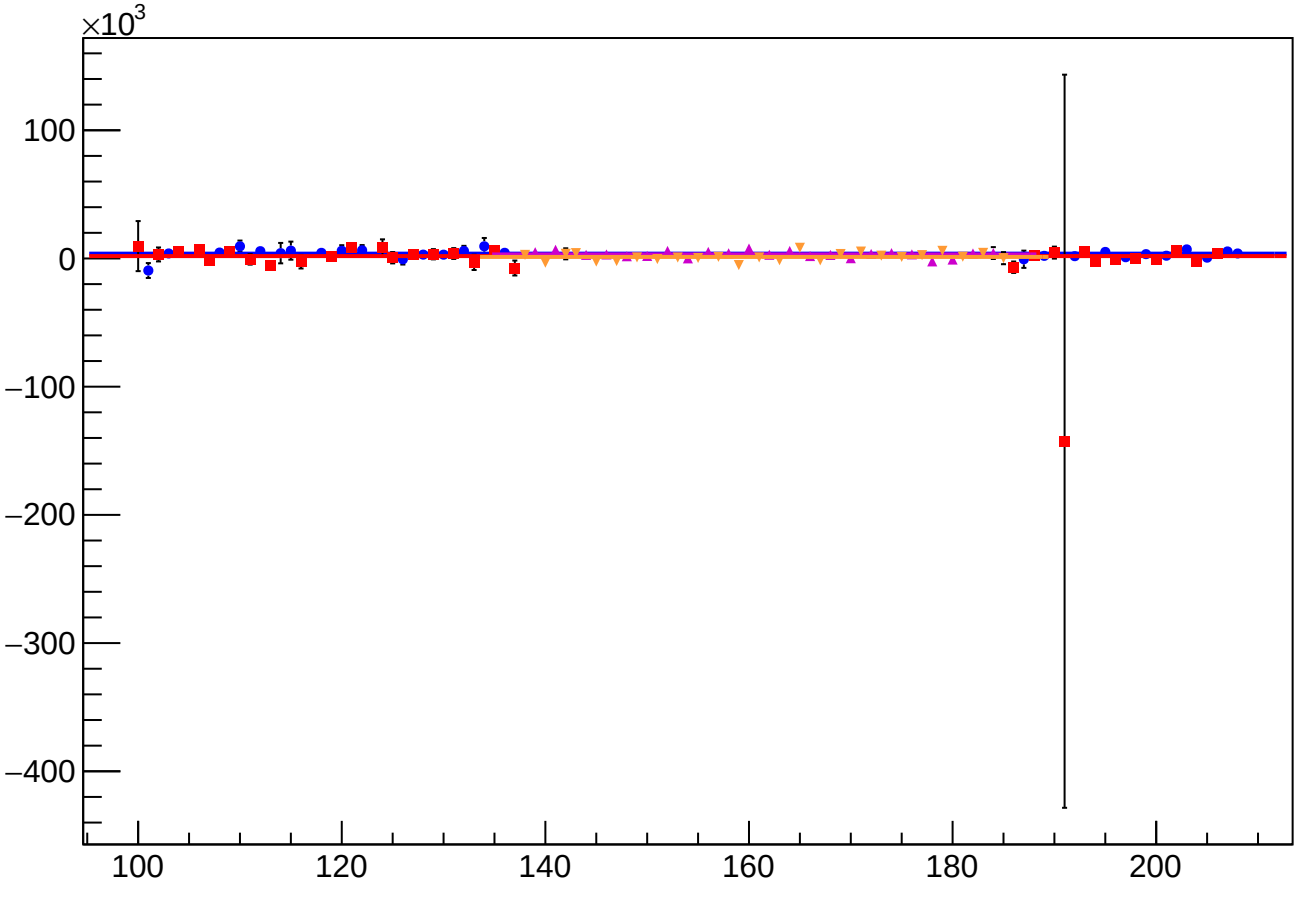
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9632.770+/-1.266 χ^2/NDF: 6225266.2/57

In: 9510.048+/-1.187 χ^2/NDF:3696231.5/49

Out: 9204.501+/-1.132 χ^2/NDF:4825065.1/55

All: 9350.019+/-0.819 χ^2/NDF: 8555988.2/10



Right In: 3761.257+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1850.492+/-678.747 χ^2/NDF: 31.6/30

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

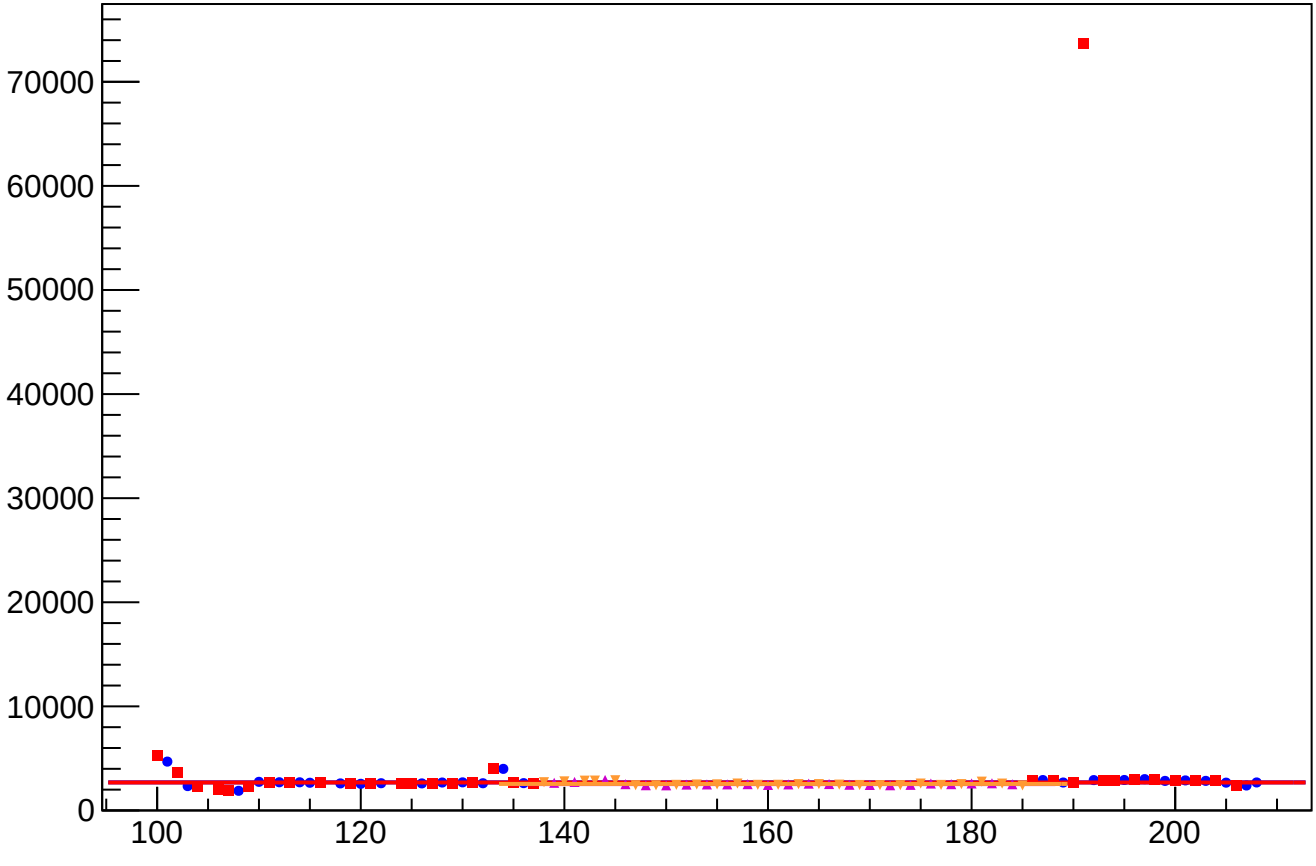
Right: 2797.463+/-482.055 χ^2/NDF: 51.0/57

In: 3411.667+/-447.887 χ^2/NDF:32.3/49

Out: 1482.377+/-440.806 χ^2/NDF:59.0/55

All: 2431.649+/-314.171 χ^2/NDF: 100.7/105

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.019+/-0.484 χ^2/NDF: 583676.2/26

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.3/30

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

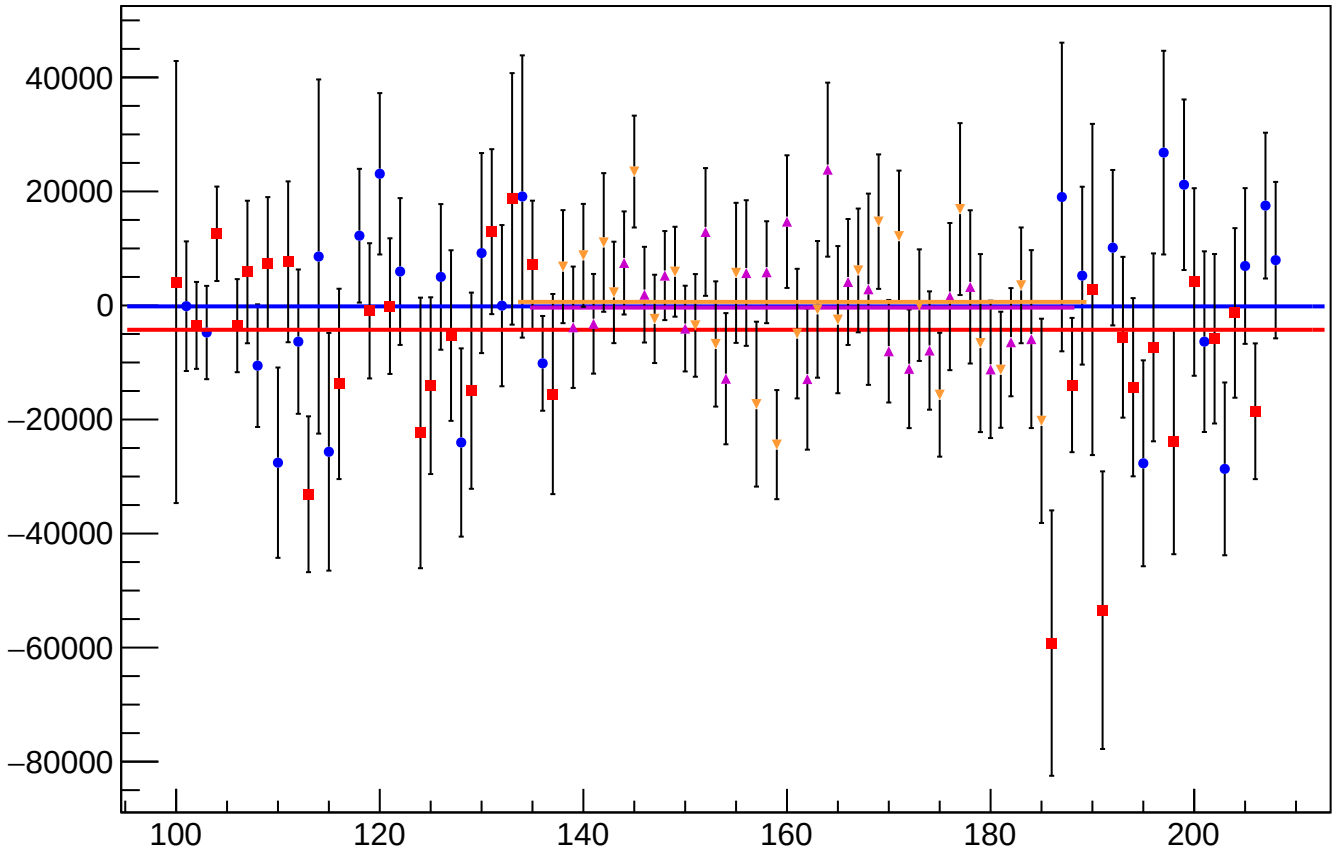
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2692.866+/-0.341 χ^2/NDF: 1250851.6/57

In: 2603.899+/-0.317 χ^2/NDF:719567.8/49

Out: 2606.084+/-0.312 χ^2/NDF:833136.9/55

All: 2605.009+/-0.222 χ^2/NDF: 1552729.0/10



Right In: -160.064+/-2638.715 χ^2/NDF: 28.4/26

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -4263.183+/-2437.796 χ^2/NDF: 30.4/30

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

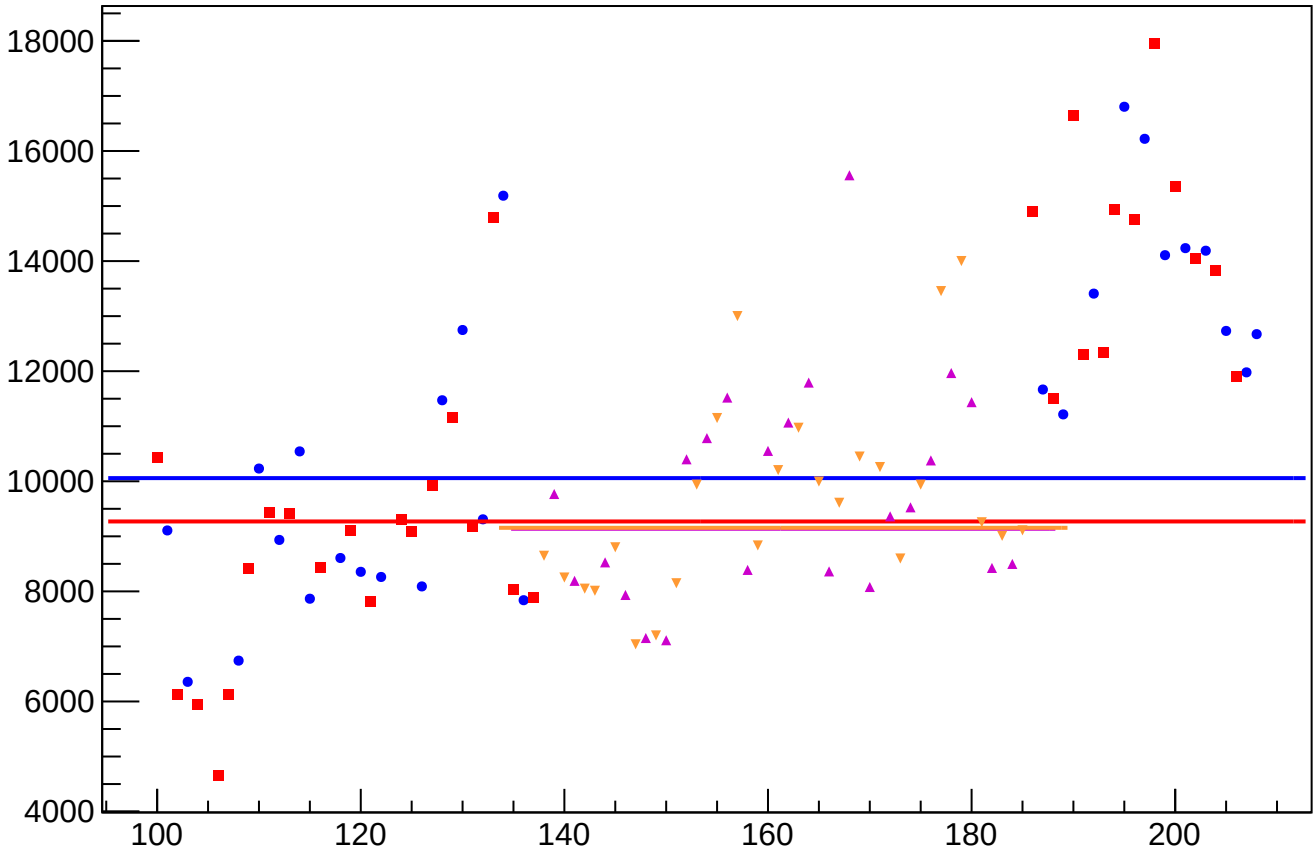
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2373.763+/-1790.604 χ^2/NDF: 60.2/57

In: -289.725+/-1678.963 χ^2/NDF:42.7/49

Out: -1479.802+/-1601.039 χ^2/NDF:59.4/55

All: -913.020+/-1158.674 χ^2/NDF: 102.3/105



Right In: 10057.590+/-1.866 χ^2/NDF: 2378752.7/26

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9270.164+/-1.724 χ^2/NDF: 3750454.4/30

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

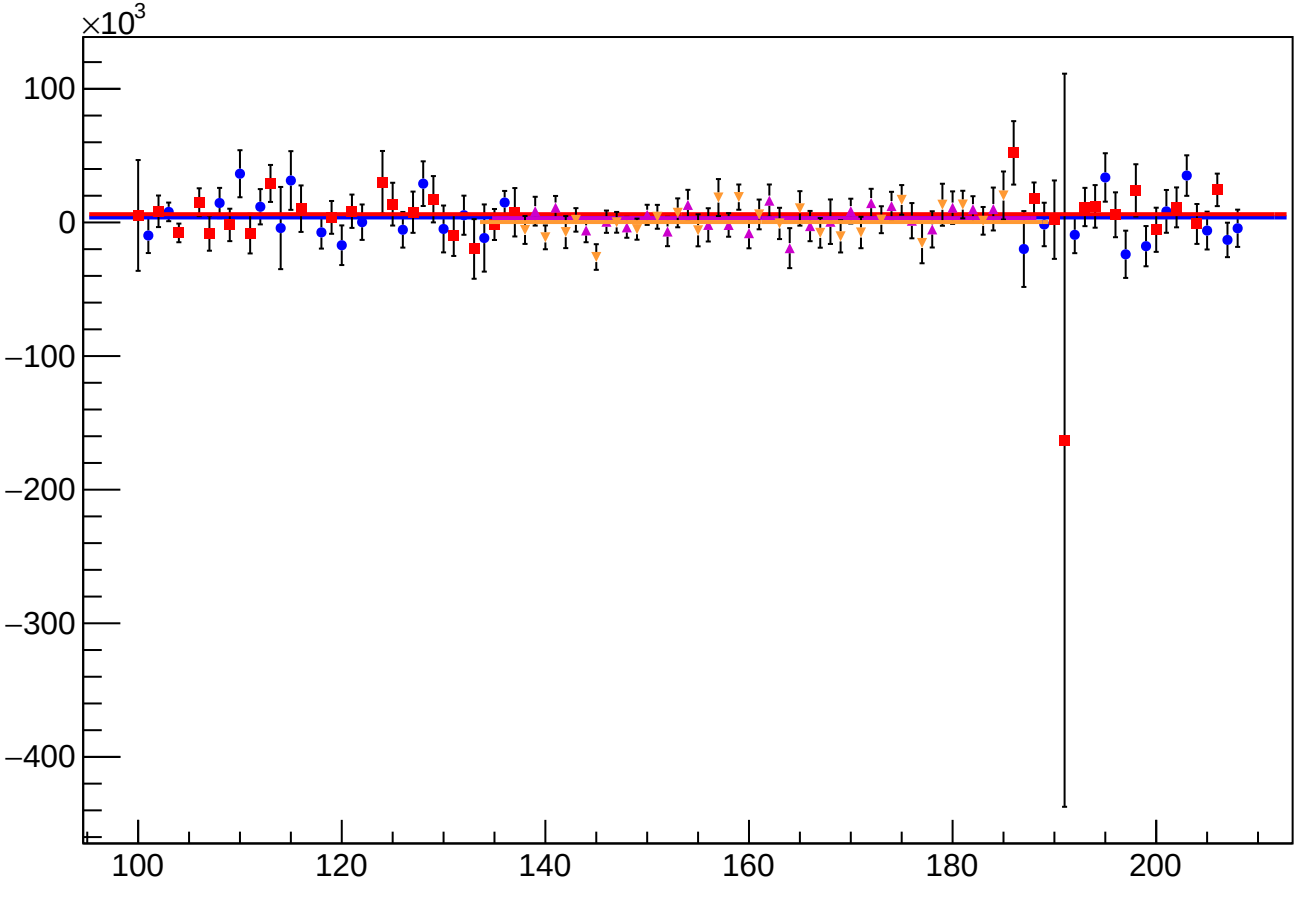
Right: 9632.761+/-1.266 χ^2/NDF: 6225295.0/57

In: 9510.054+/-1.187 χ^2/NDF:3696240.8/49

Out: 9204.505+/-1.132 χ^2/NDF:4825081.7/55

All: 9350.025+/-0.819 χ^2/NDF: 8556014.6/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 3715.149+/-2666.405 χ^2/NDF: 31.5/26

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 6186.200+/-2579.088 χ^2/NDF: 24.1/30

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

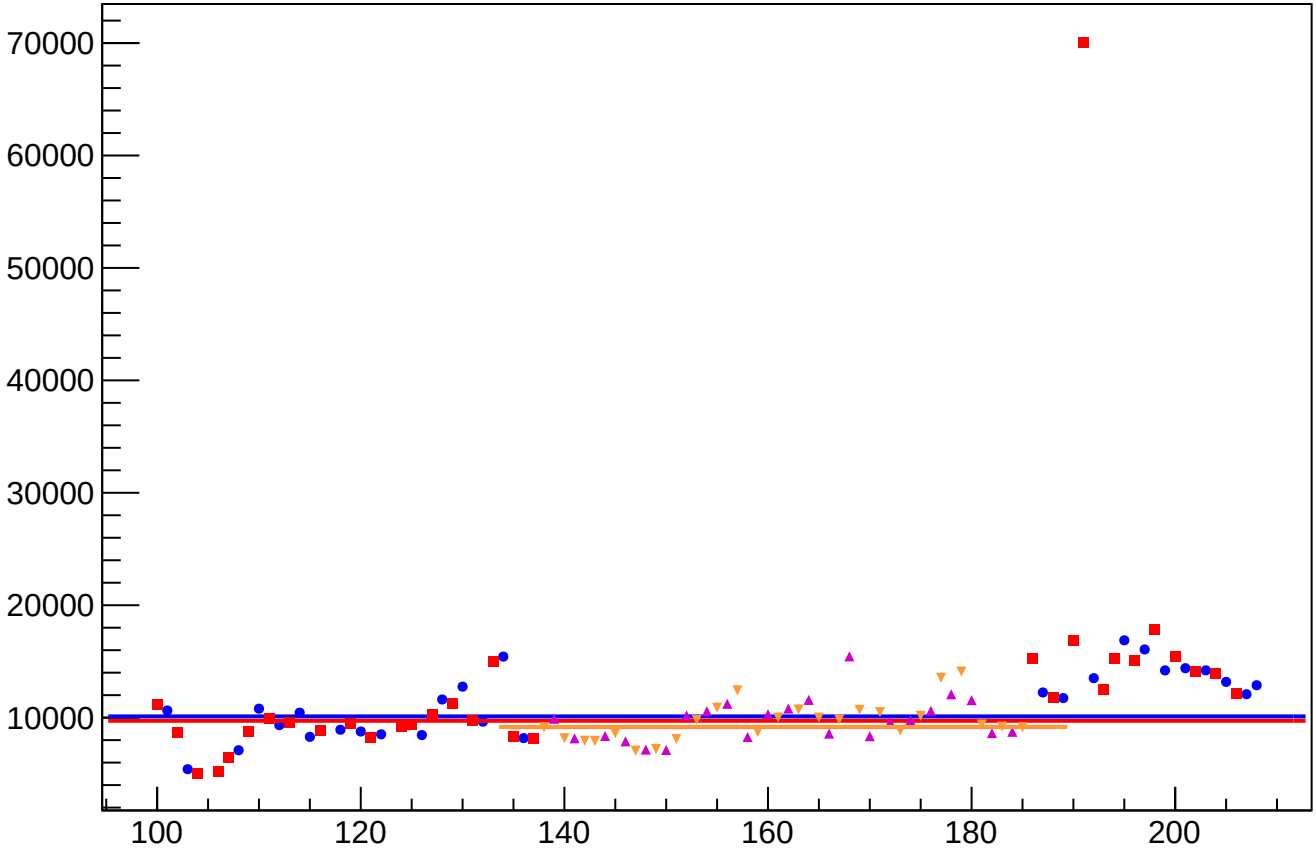
Right: 4991.797+/-1853.791 χ^2/NDF: 56.0/57

In: 3426.550+/-1687.652 χ^2/NDF:45.1/49

Out: 2677.704+/-1640.202 χ^2/NDF:53.5/55

All: 3041.452+/-1176.215 χ^2/NDF: 98.7/105

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10108.444+/-1.885 χ^2/NDF: 2741329.8/26

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9720.062+/-1.824 χ^2/NDF: 3577132.4/30

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

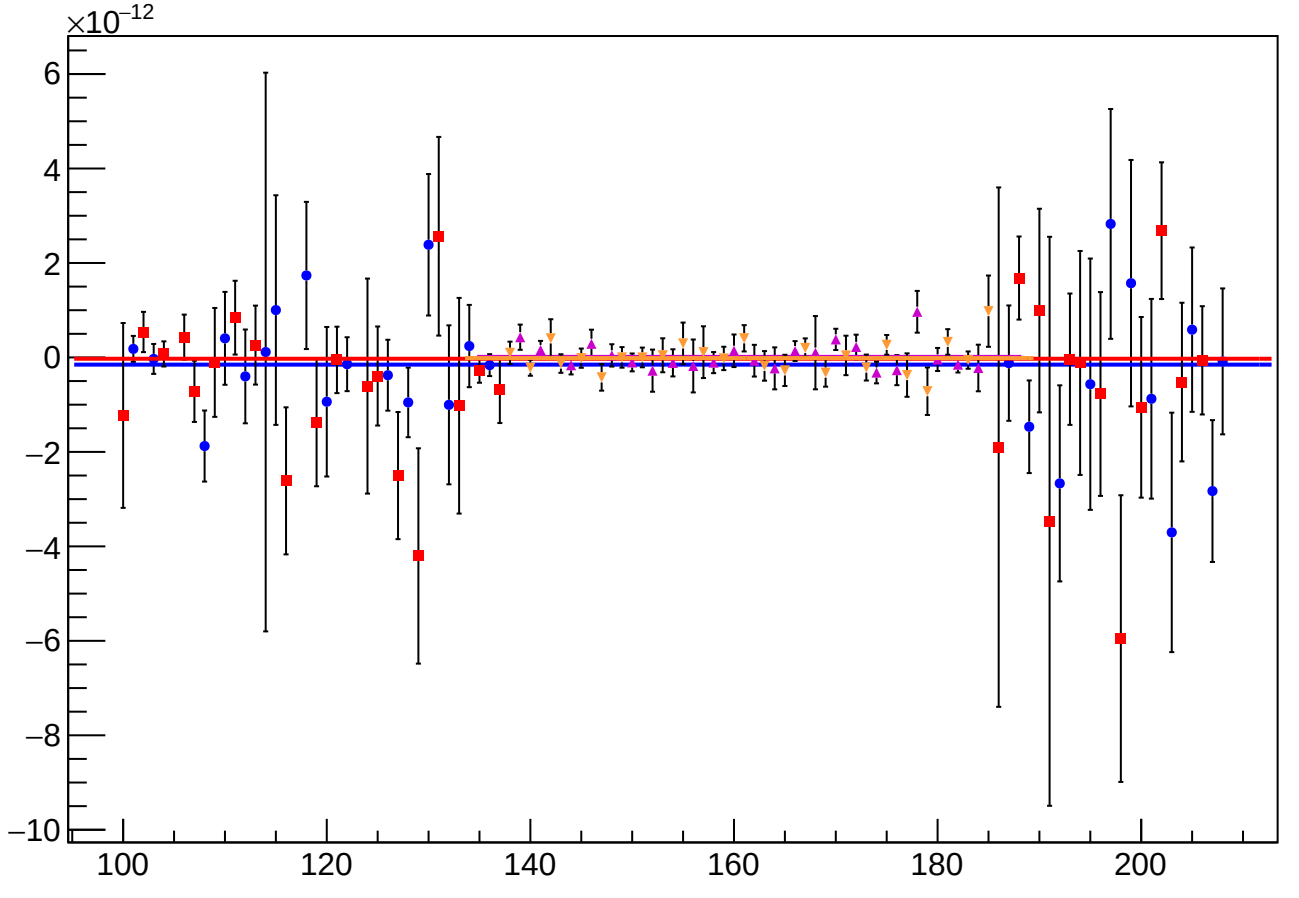
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9907.786+/-1.311 χ^2/NDF: 6340384.9/57

In: 9541.314+/-1.193 χ^2/NDF:4019811.8/49

Out: 9394.160+/-1.160 χ^2/NDF:4687705.6/55

All: 9465.638+/-0.832 χ^2/NDF: 8715337.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

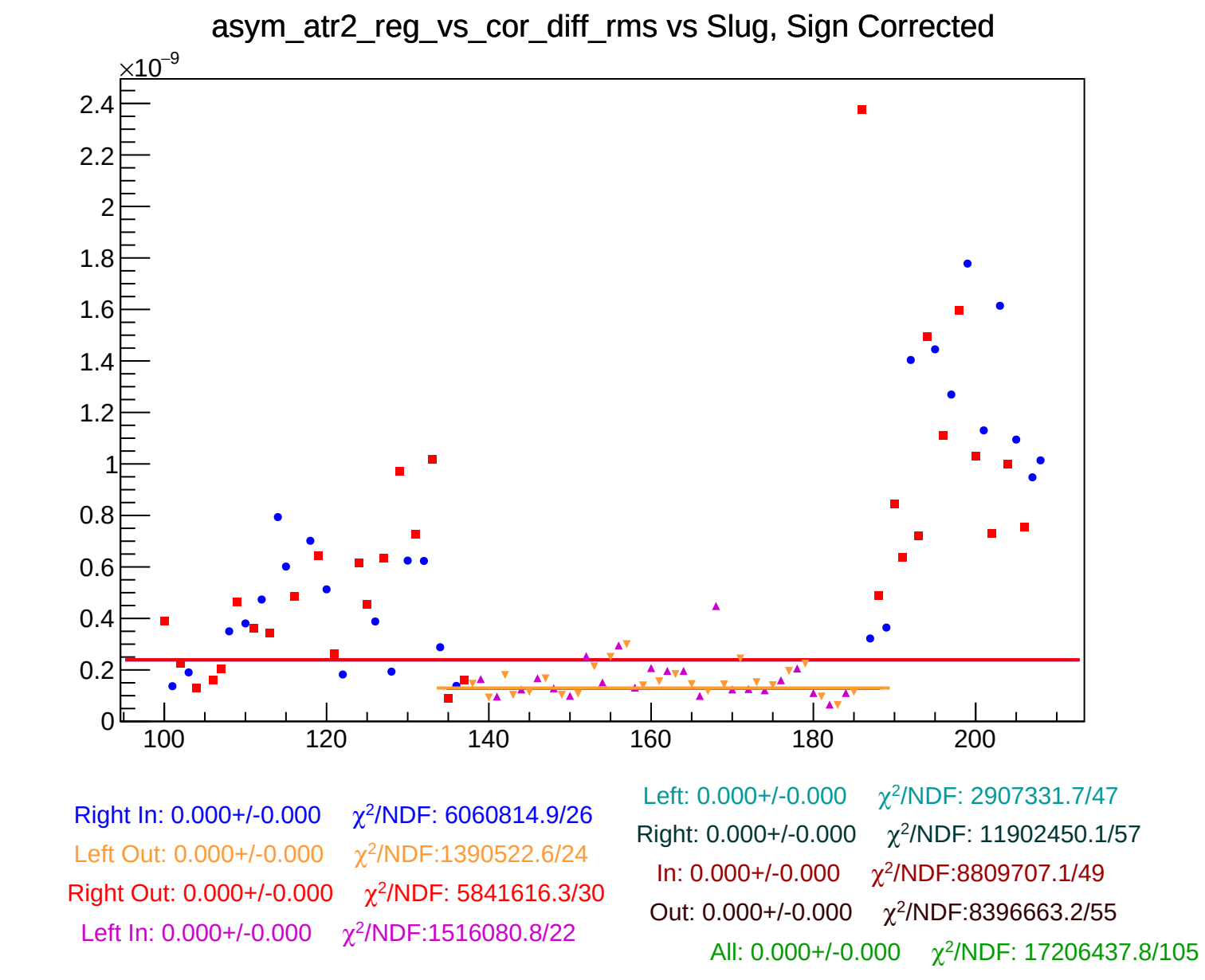
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

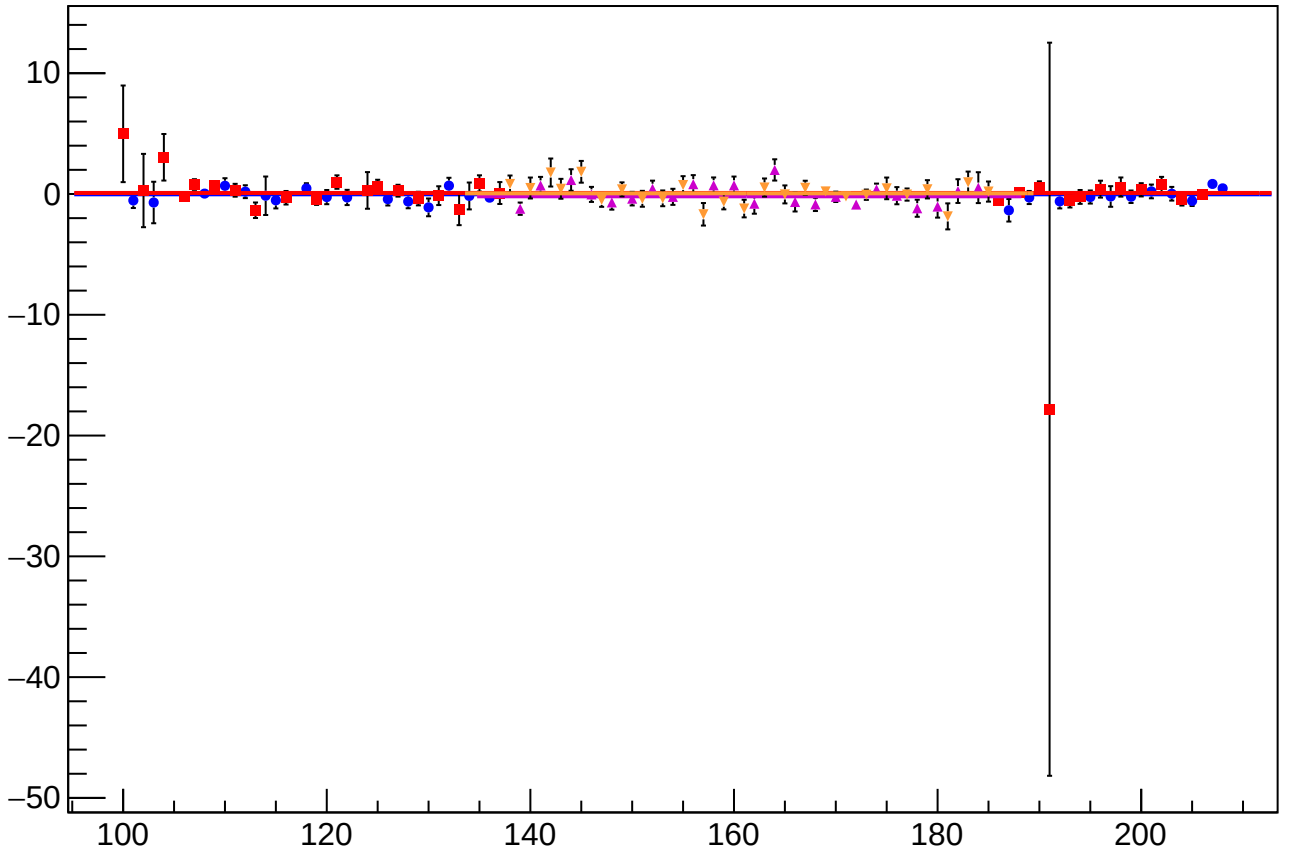
Right: -0.000+/-0.000 χ^2/NDF: 56.9/57

In: -0.000+/-0.000 χ^2/NDF:45.0/49

Out: -0.000+/-0.000 χ^2/NDF:51.4/55

All: -0.000+/-0.000 χ^2/NDF: 96.4/105


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6060814.9/26
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5841616.3/30
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 11902450.1/57
In: 0.000+/-0.000 χ²/NDF:8809707.1/49
Out: 0.000+/-0.000 χ²/NDF:8396663.2/55
All: 0.000+/-0.000 χ²/NDF: 17206437.8/105



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

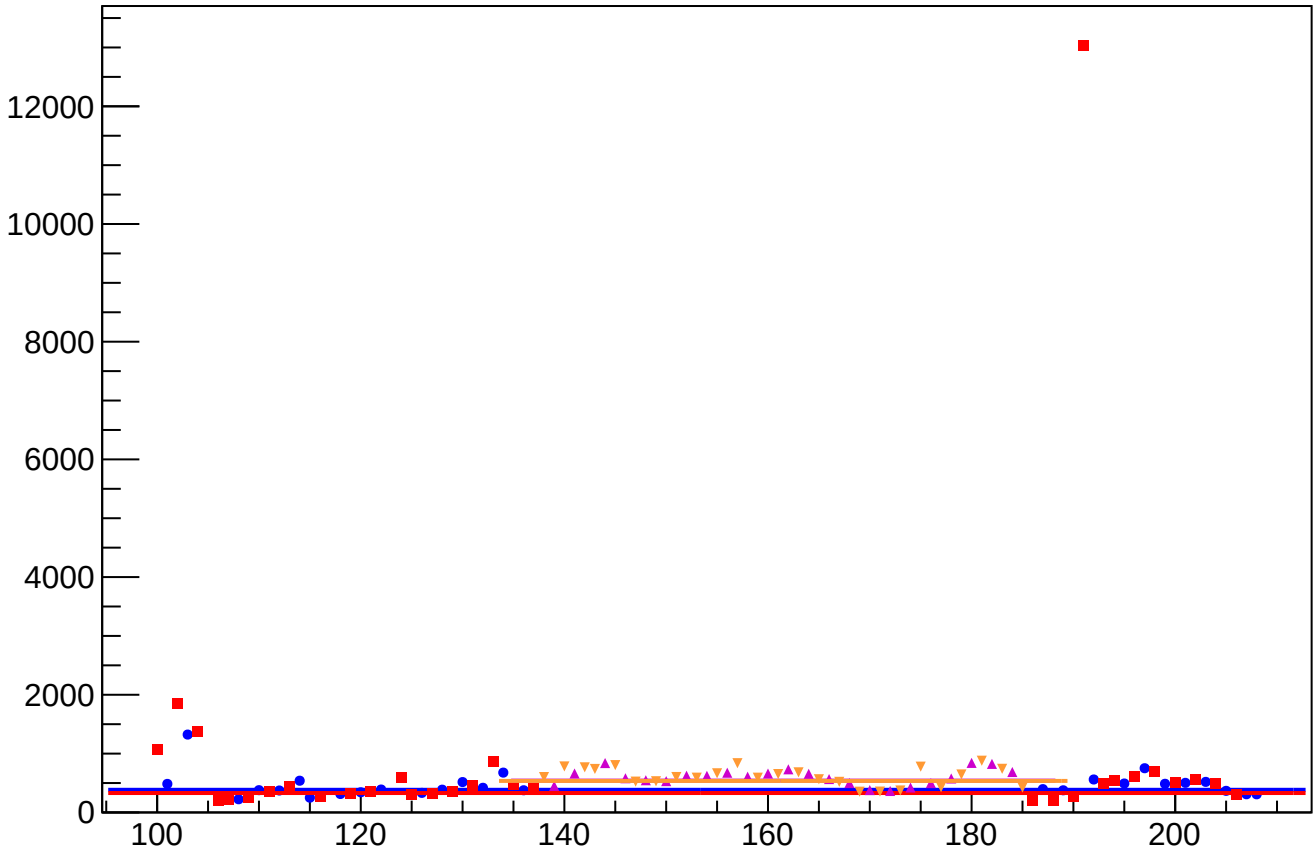
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.036+/-0.069 χ^2/NDF: 58.8/57

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.001+/-0.056 χ^2/NDF: 117.1/105



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

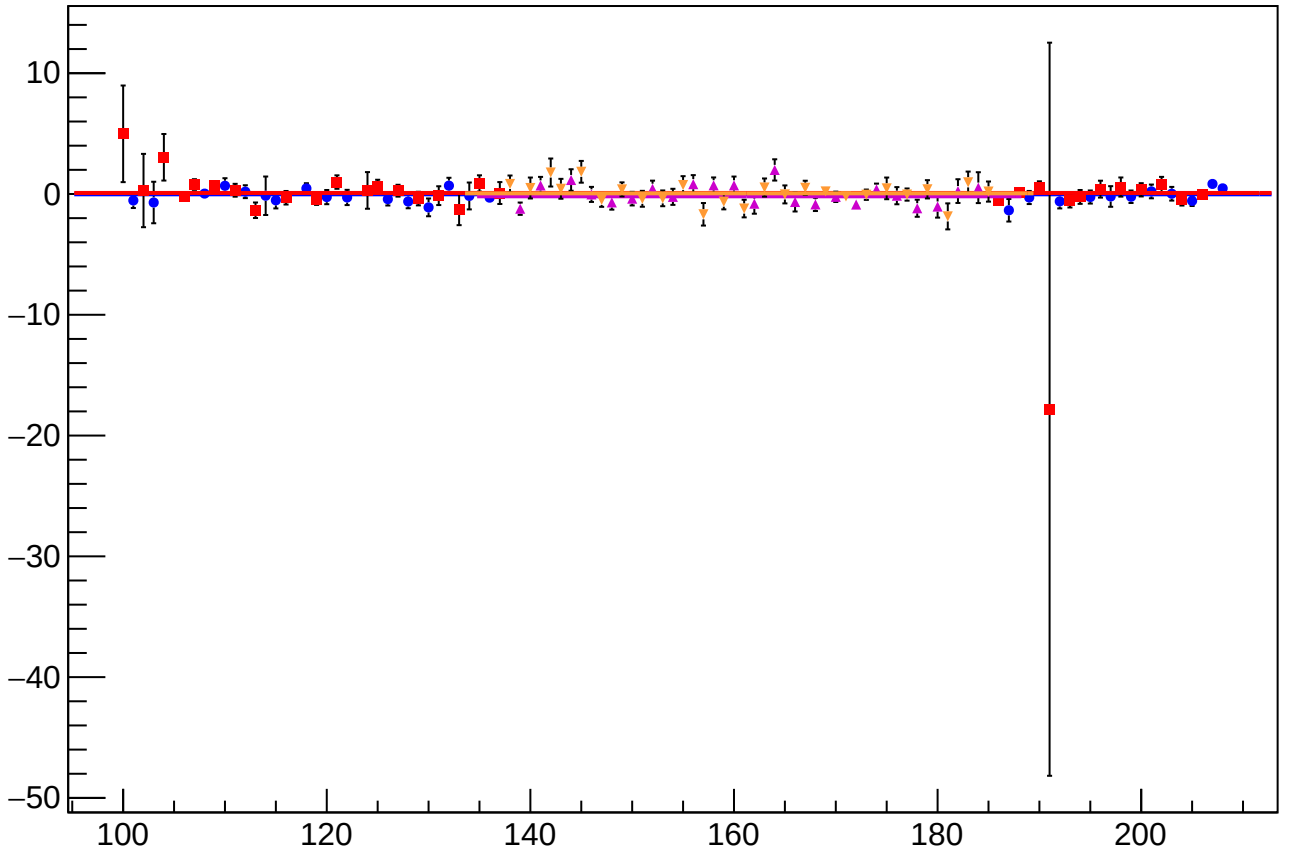
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 354.711+/-0.049 χ^2/NDF: 8315382.5/57

In: 443.758+/-0.058 χ^2/NDF:6149544.2/49

Out: 400.443+/-0.054 χ^2/NDF:11542511.4/55

All: 420.430+/-0.039 χ^2/NDF: 17994361.5/10



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

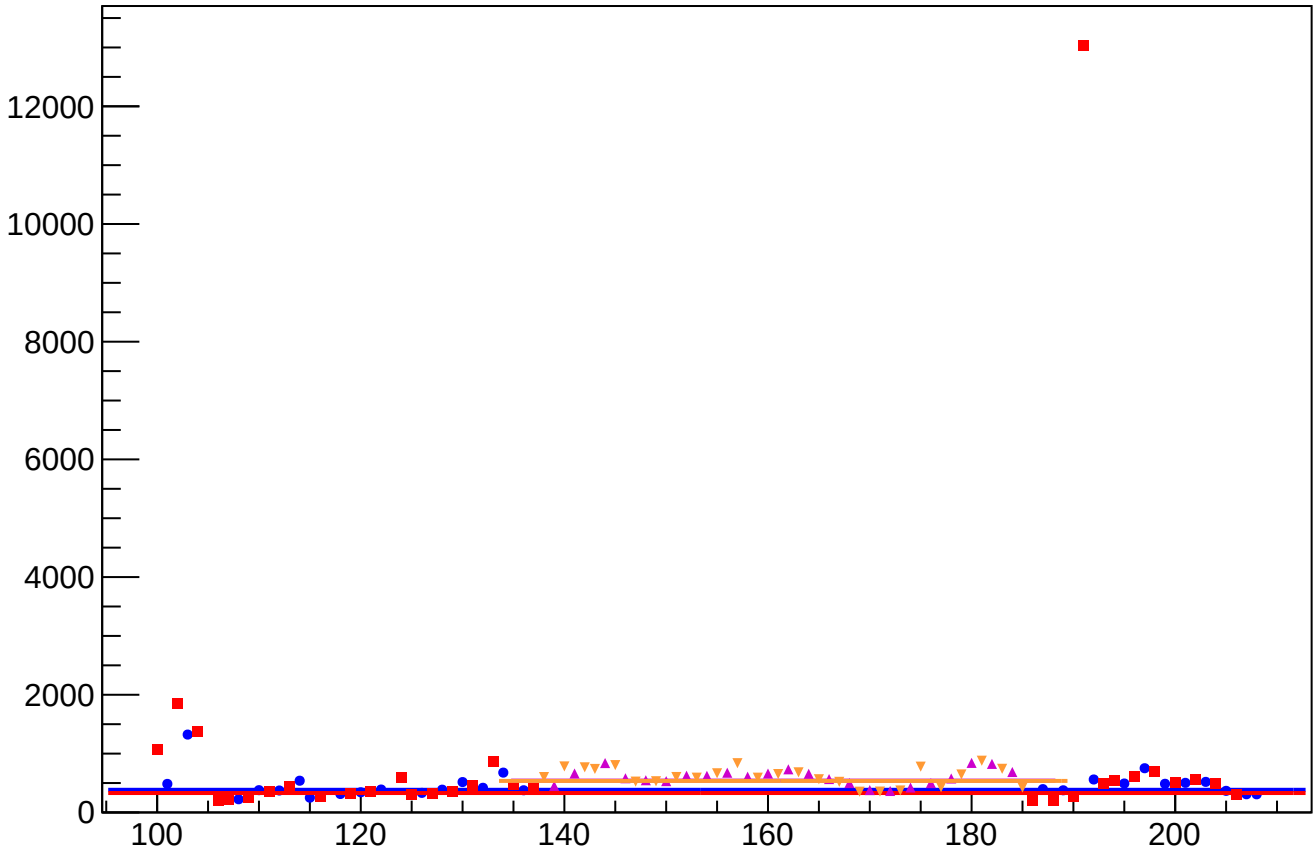
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.036+/-0.069 χ^2/NDF: 58.8/57

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.001+/-0.056 χ^2/NDF: 117.1/105



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

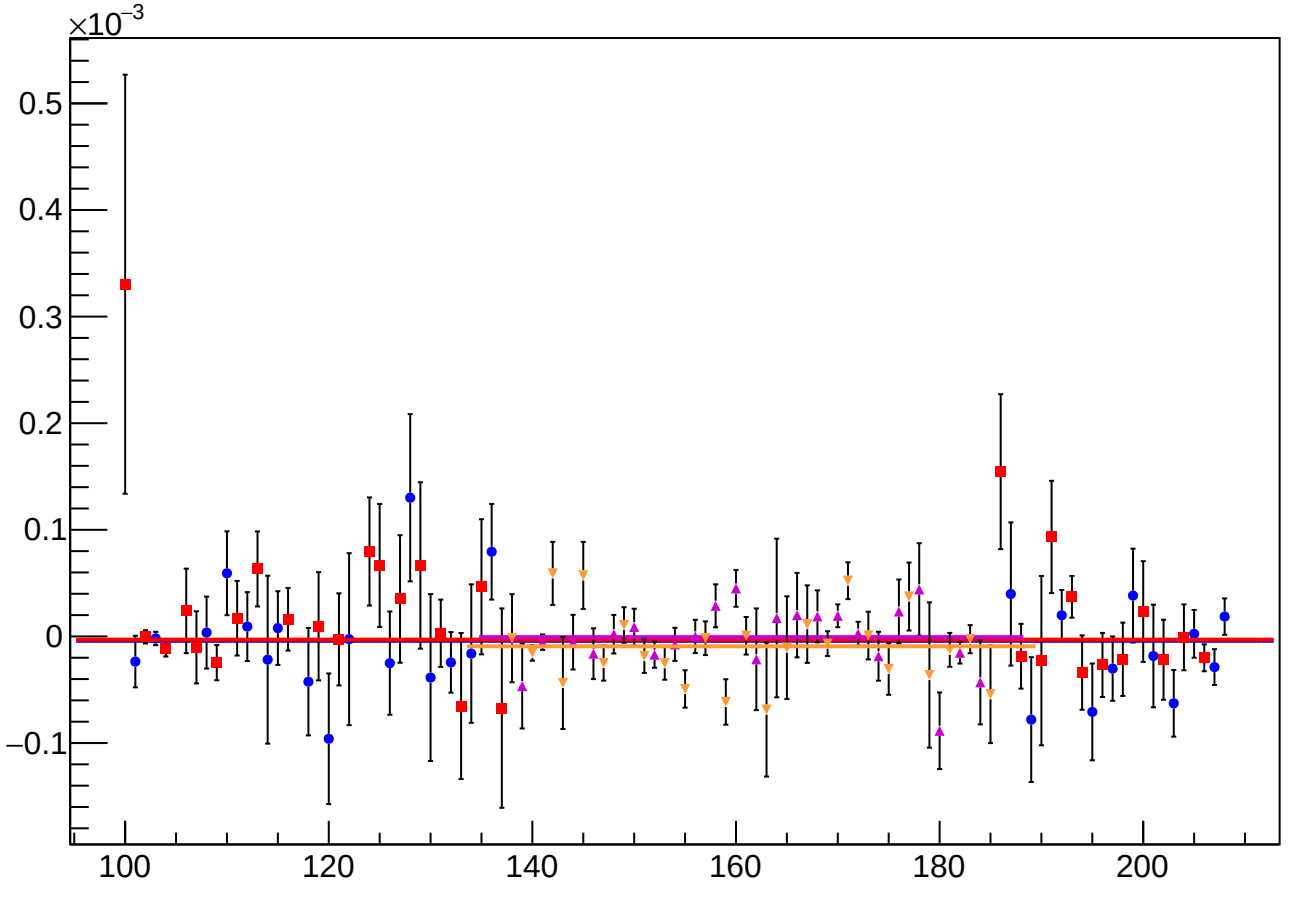
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 354.711+/-0.049 χ^2/NDF: 8315382.5/57

In: 443.758+/-0.058 χ^2/NDF:6149544.2/49

Out: 400.443+/-0.054 χ^2/NDF:11542511.4/55

All: 420.430+/-0.039 χ^2/NDF: 17994361.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/30

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

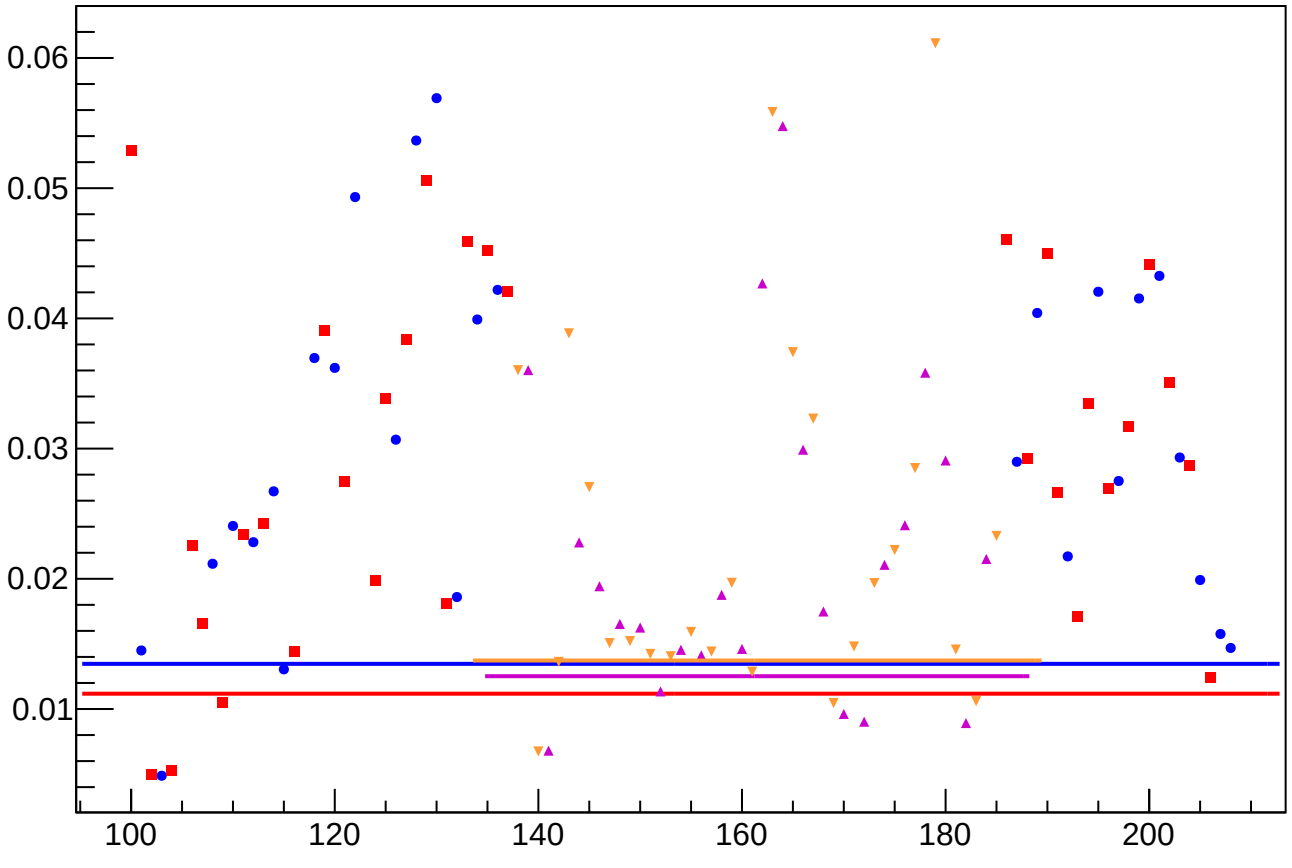
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/57

In: -0.000+/-0.000 χ^2/NDF:58.7/49

Out: -0.000+/-0.000 χ^2/NDF:81.5/55

All: -0.000+/-0.000 χ^2/NDF: 141.6/105



Right In: 0.013+/-0.000 χ^2/NDF: 12256998.1/26

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14111318.2/30

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

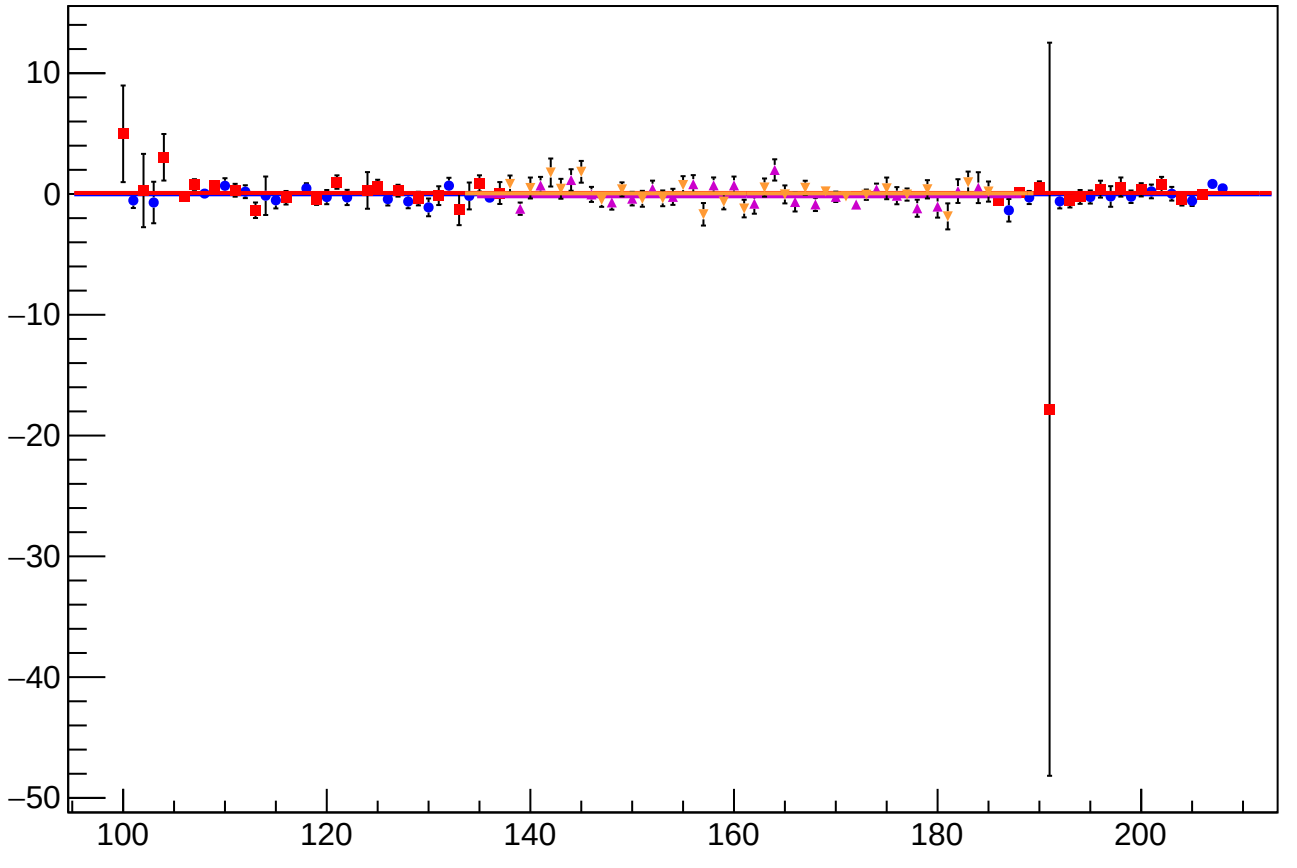
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 26674464.0/57

In: 0.013+/-0.000 χ^2/NDF:19434511.0/49

Out: 0.012+/-0.000 χ^2/NDF:22311374.5/55

All: 0.013+/-0.000 χ^2/NDF: 41765170.4/105



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

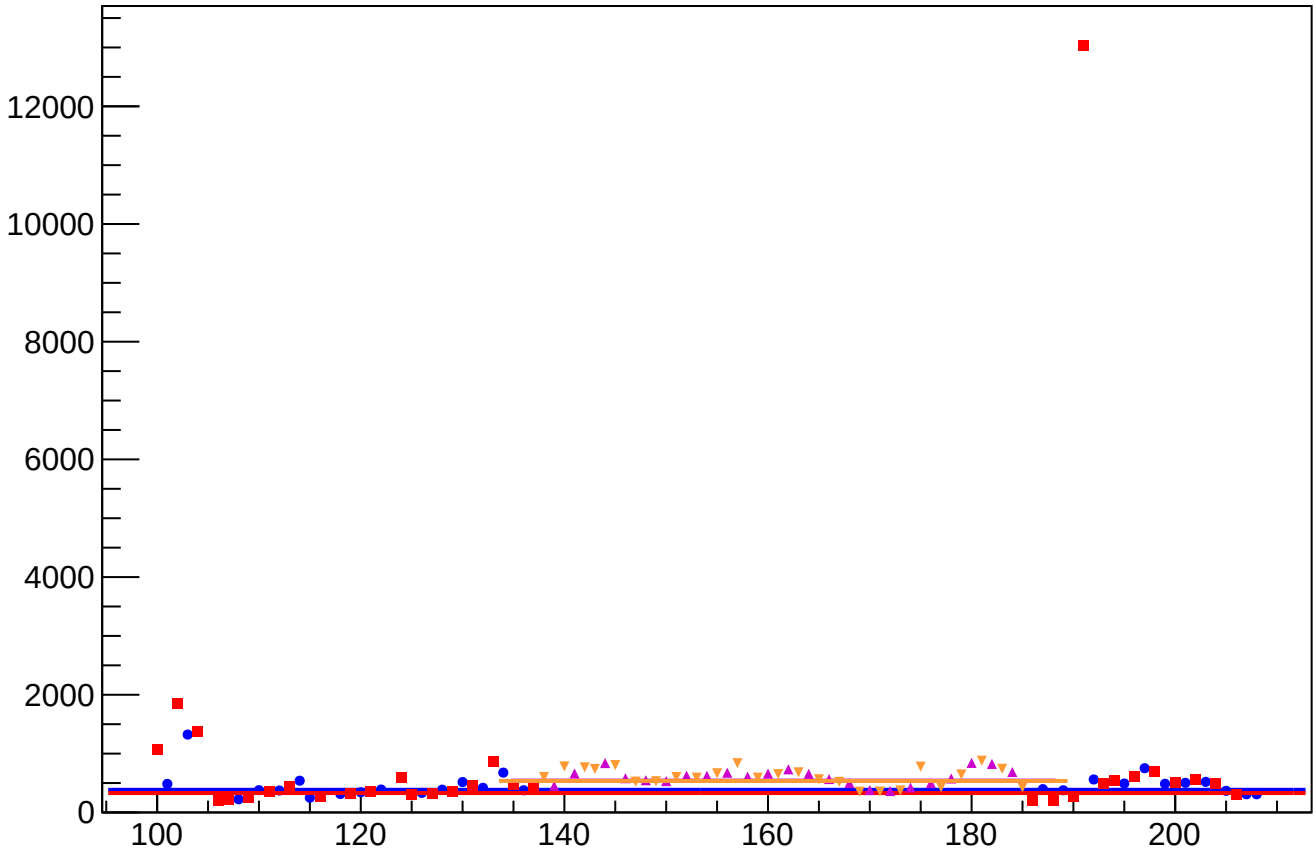
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.036+/-0.069 χ^2/NDF: 58.8/57

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.001+/-0.056 χ^2/NDF: 117.1/105



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

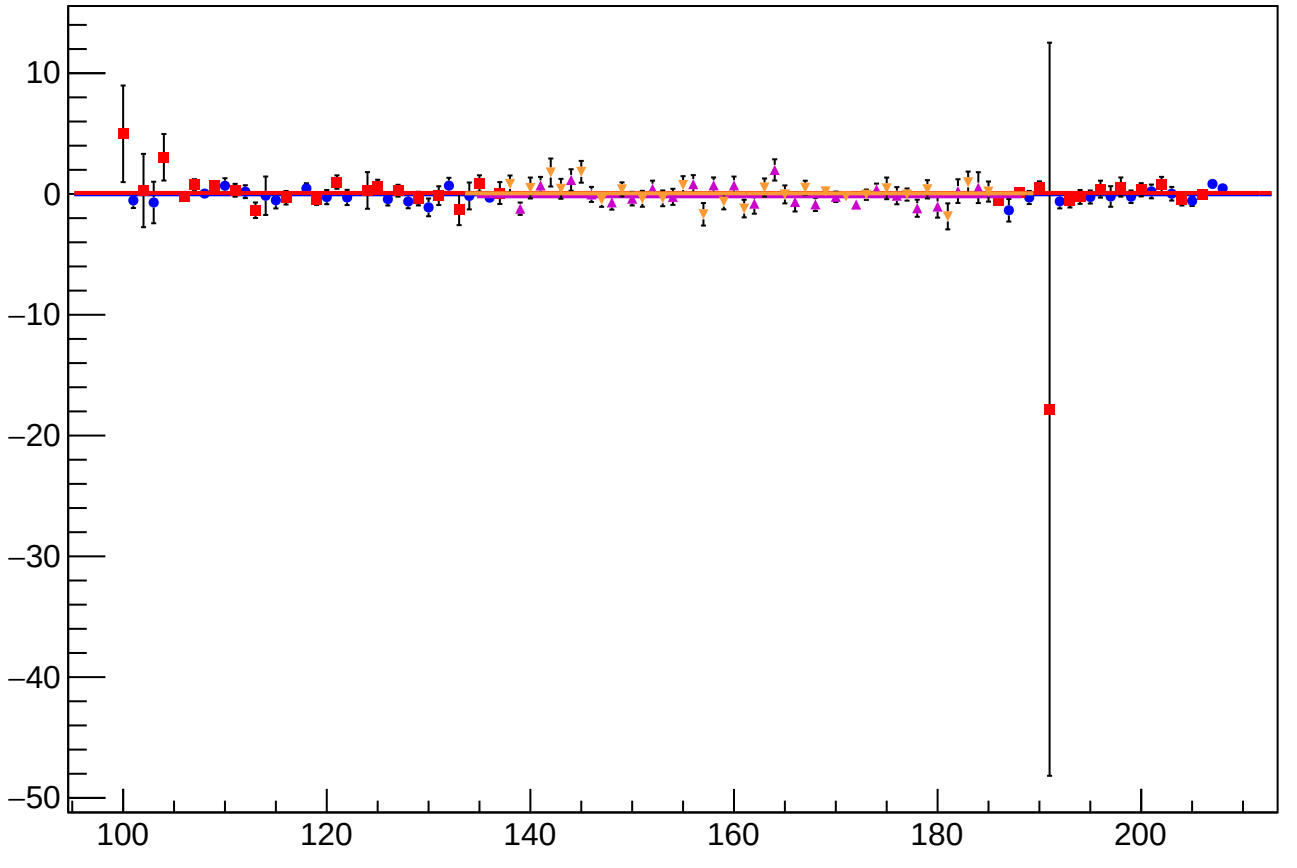
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 354.710+/-0.049 χ^2/NDF: 8315360.2/57

In: 443.757+/-0.058 χ^2/NDF:6149750.2/49

Out: 400.444+/-0.054 χ^2/NDF:11542674.9/55

All: 420.430+/-0.039 χ^2/NDF: 17994710.5/10



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.093 χ^2/NDF: 34.0/30

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

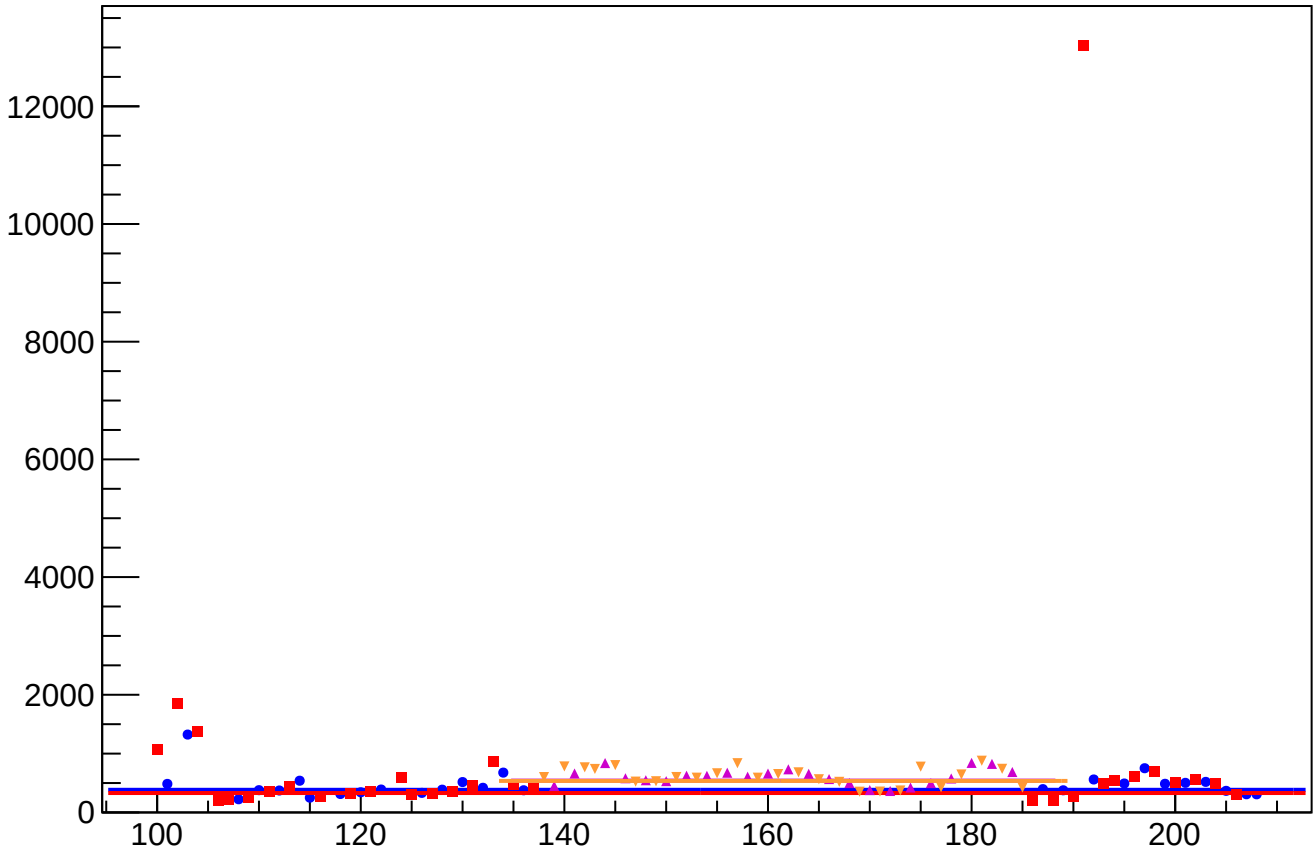
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.036+/-0.069 χ^2/NDF: 58.8/57

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.001+/-0.056 χ^2/NDF: 117.1/105



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

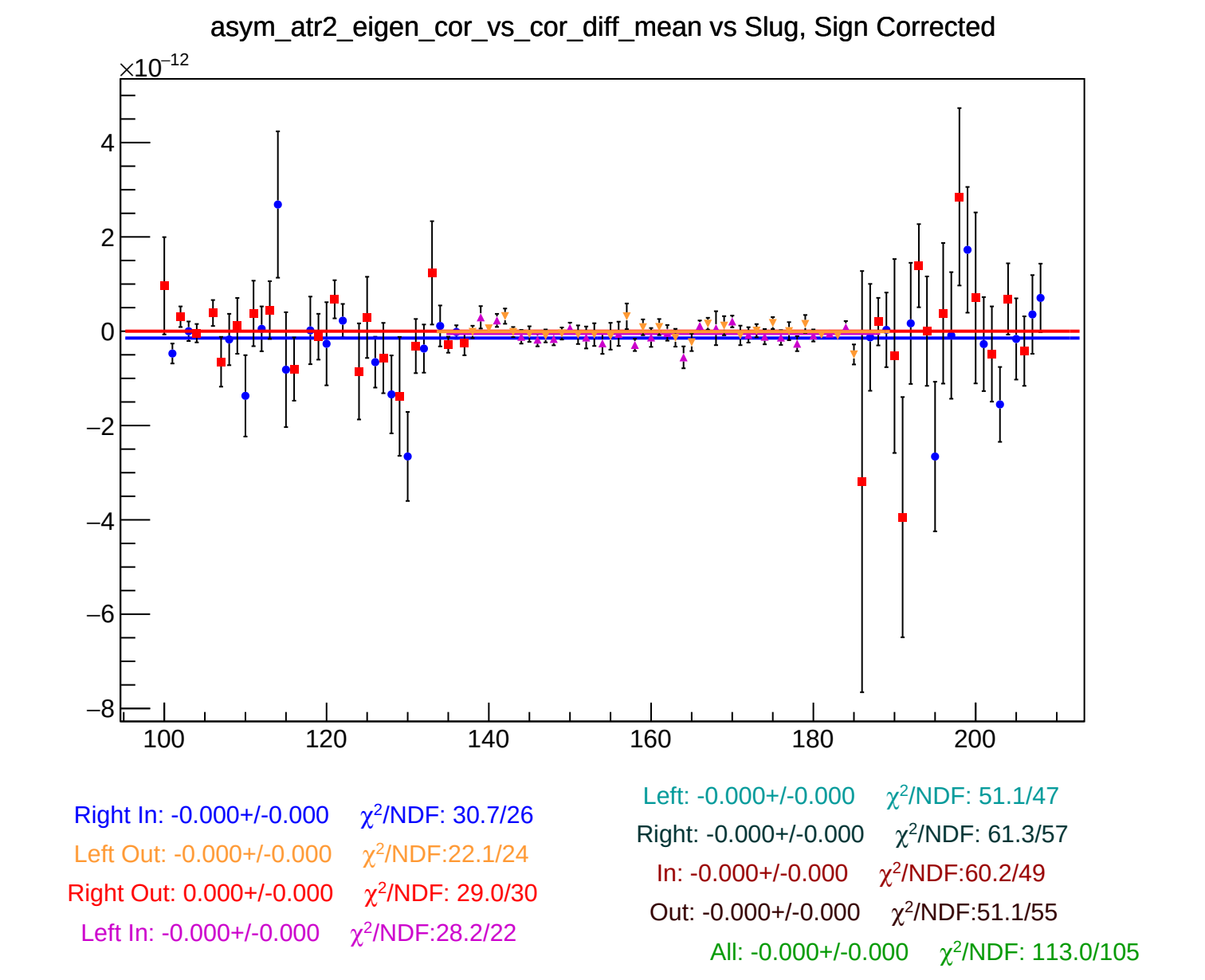
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

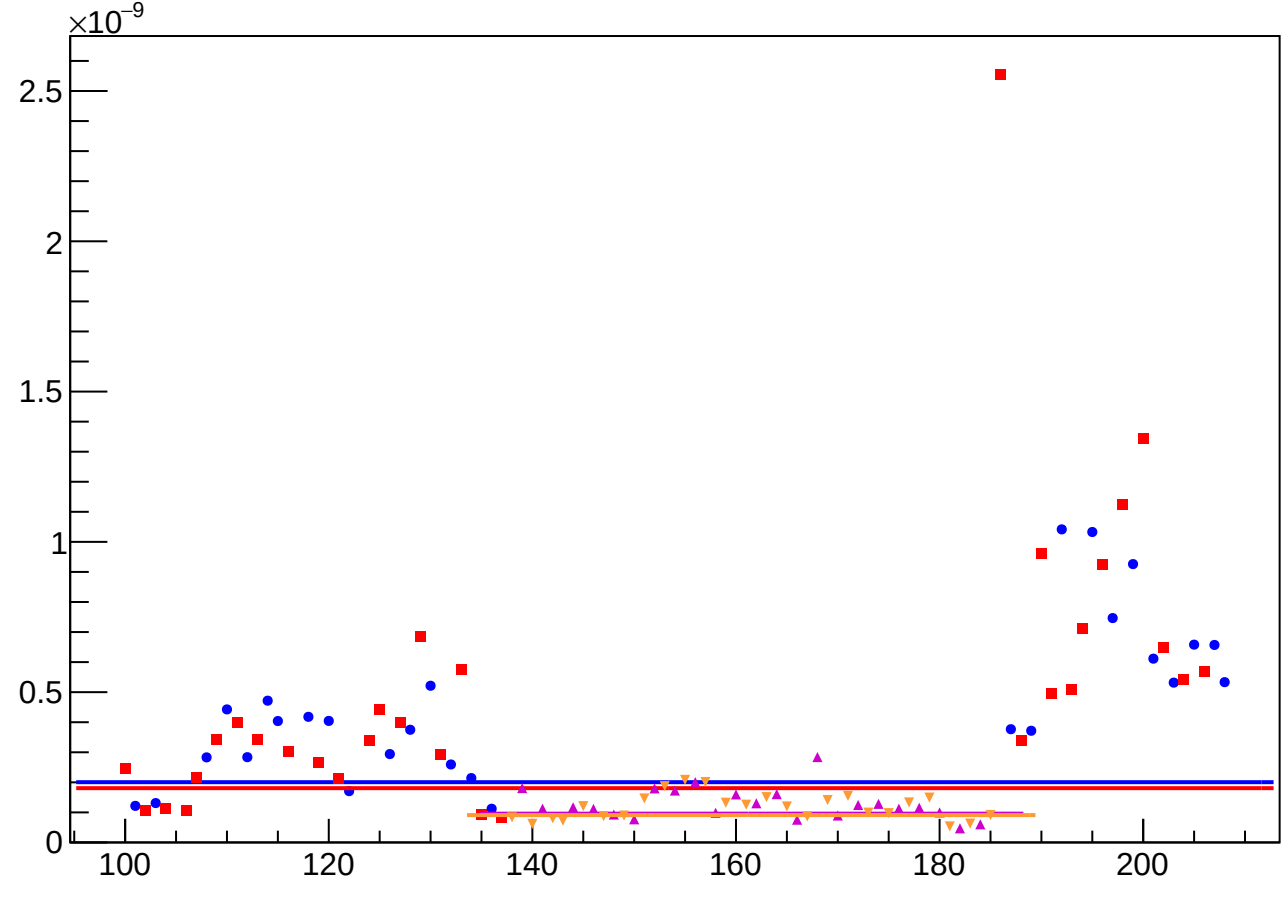
Right: 354.710+/-0.049 χ^2/NDF: 8315360.2/57

In: 443.757+/-0.058 χ^2/NDF:6149750.2/49

Out: 400.444+/-0.054 χ^2/NDF:11542674.9/55

All: 420.430+/-0.039 χ^2/NDF: 17994710.5/10


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 30.7/26
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.0/30
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: 61.3/57
In: -0.000+/-0.000 χ²/NDF:60.2/49
Out: -0.000+/-0.000 χ²/NDF:51.1/55
All: -0.000+/-0.000 χ²/NDF: 113.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 7107875.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8175786.3/30

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

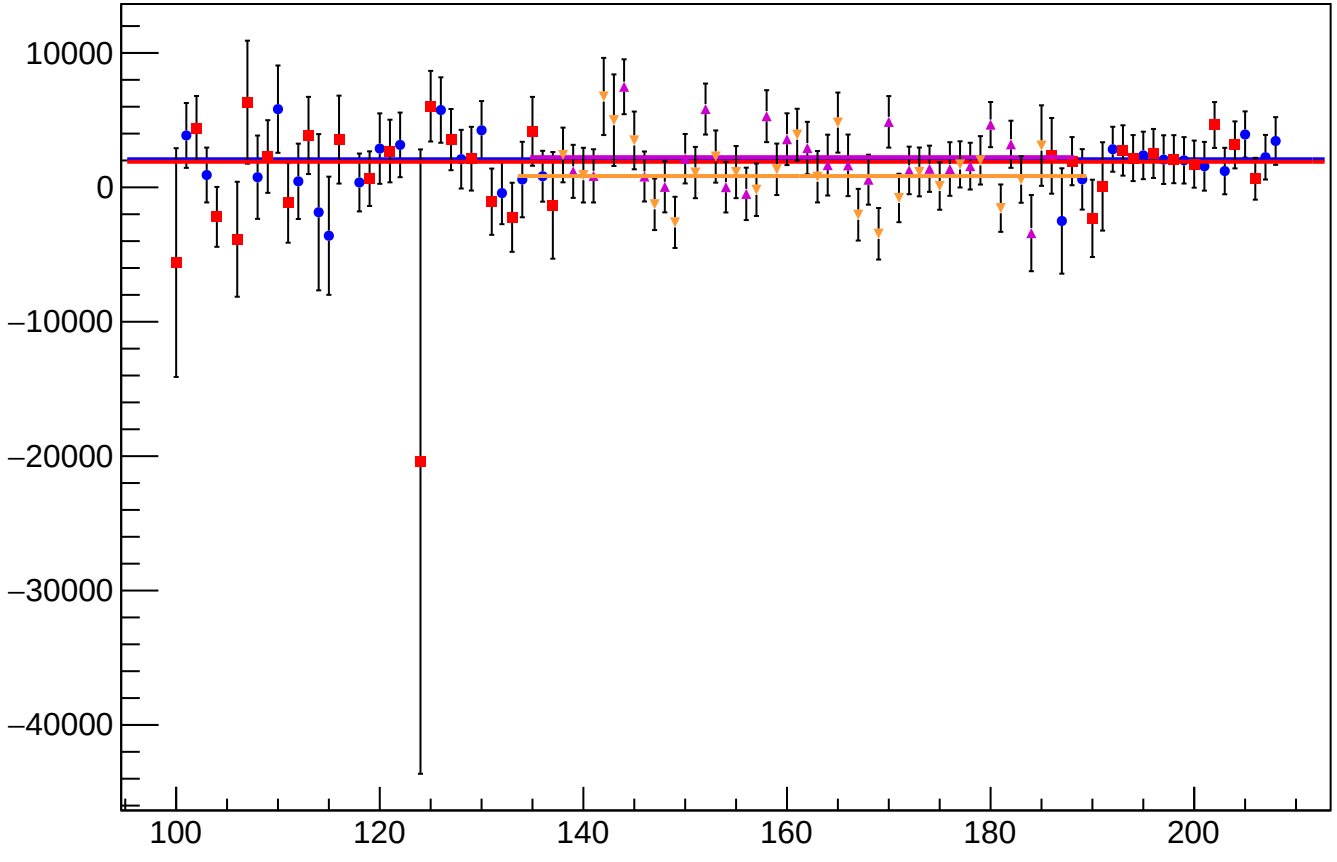
Right: 0.000+/-0.000 χ^2/NDF: 15342434.3/57

In: 0.000+/-0.000 χ^2/NDF:13810289.2/49

Out: 0.000+/-0.000 χ^2/NDF:13776766.6/55

All: 0.000+/-0.000 χ^2/NDF: 27648844.4/105

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2089.367+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1904.318+/-417.940 χ^2/NDF: 26.2/30

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

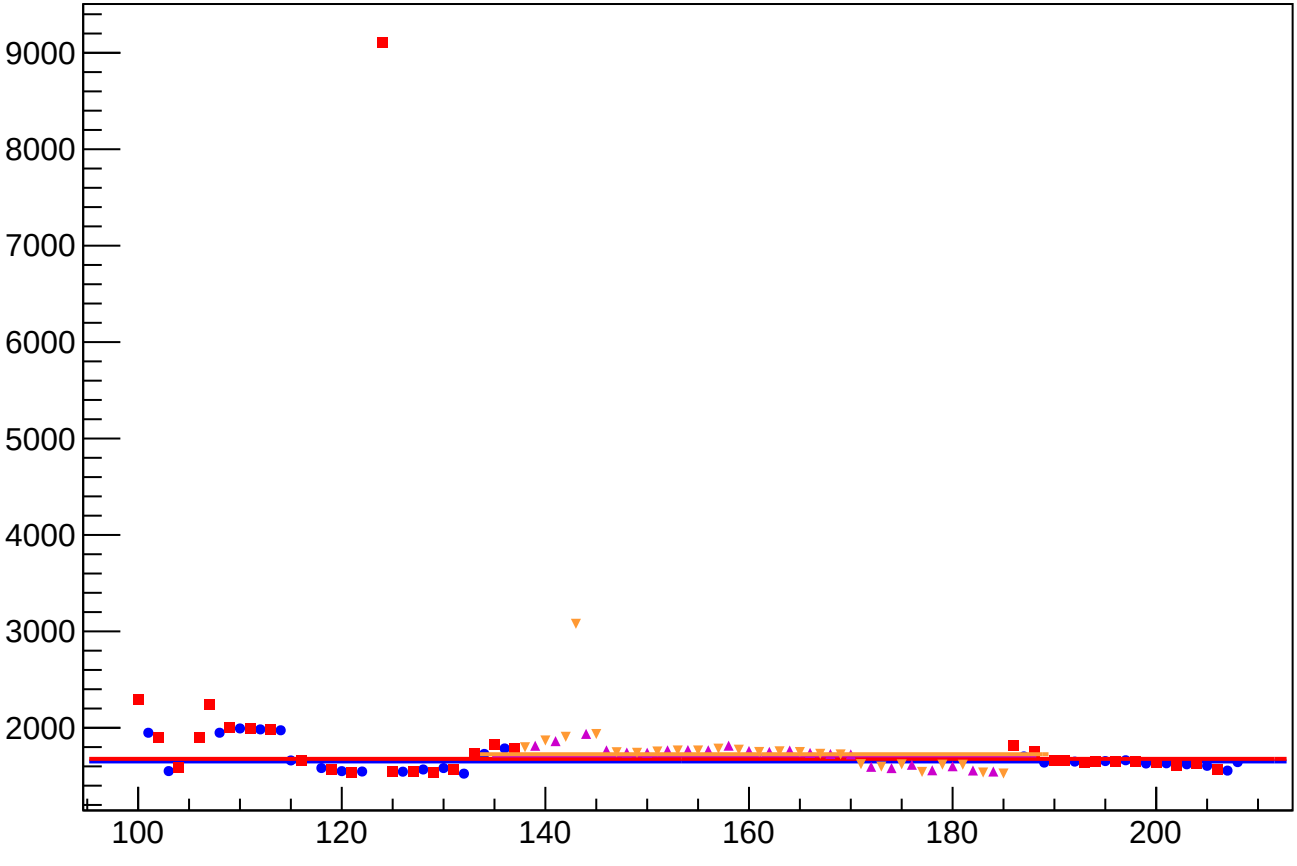
Right: 1997.243+/-294.888 χ^2/NDF: 41.4/57

In: 2170.134+/-288.660 χ^2/NDF:44.6/49

Out: 1342.234+/-286.861 χ^2/NDF:60.0/55

All: 1753.596+/-203.474 χ^2/NDF: 108.7/105

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.914+/-0.295 χ^2/NDF: 417810.7/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

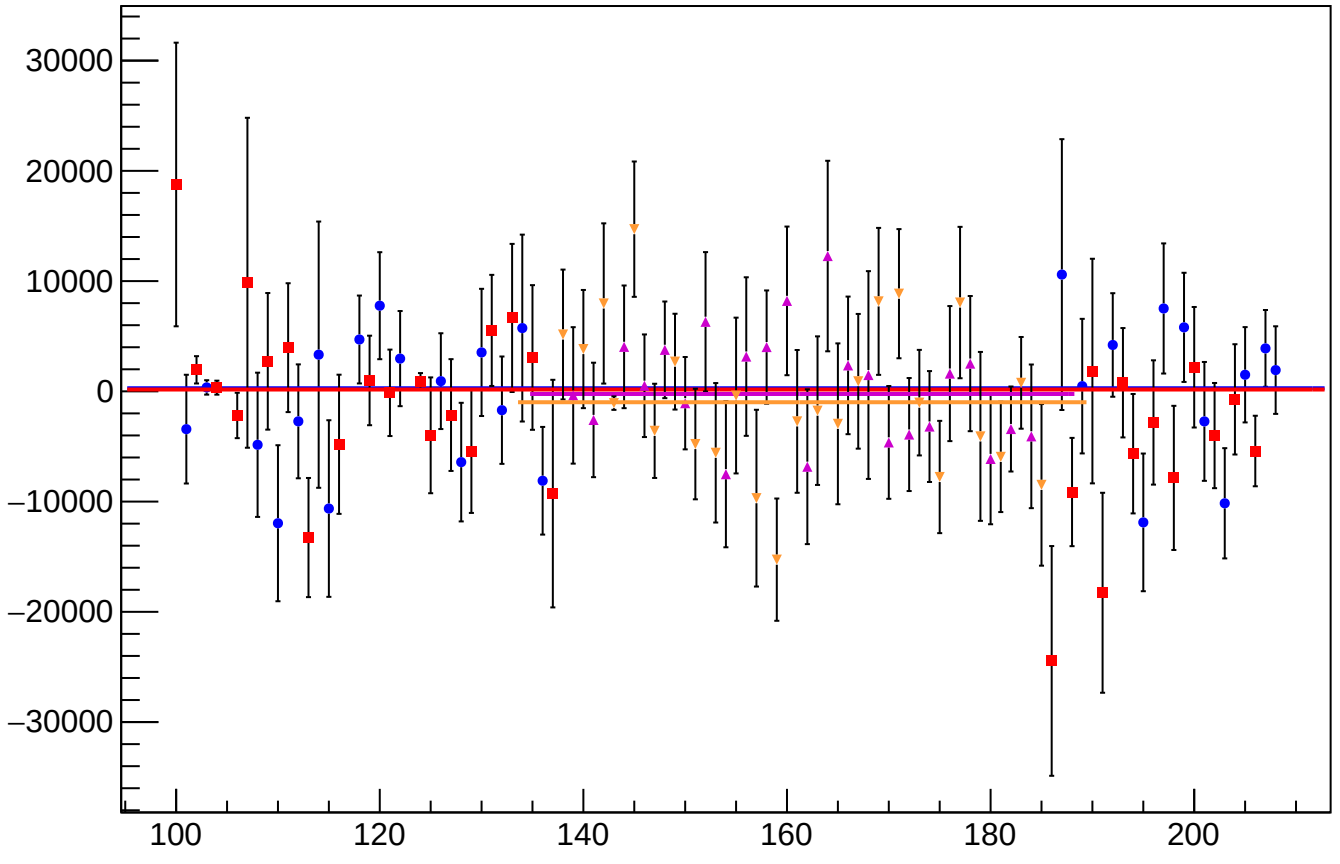
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1664.513+/-0.208 χ^2/NDF: 576803.7/57

In: 1683.331+/-0.204 χ^2/NDF:307184.3/49

Out: 1703.329+/-0.203 χ^2/NDF:886808.2/55

All: 1693.402+/-0.144 χ^2/NDF: 1198826.5/10



Right In: 280.331+/-550.075 χ^2/NDF: 29.8/26

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 165.265+/-409.645 χ^2/NDF: 39.5/30

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

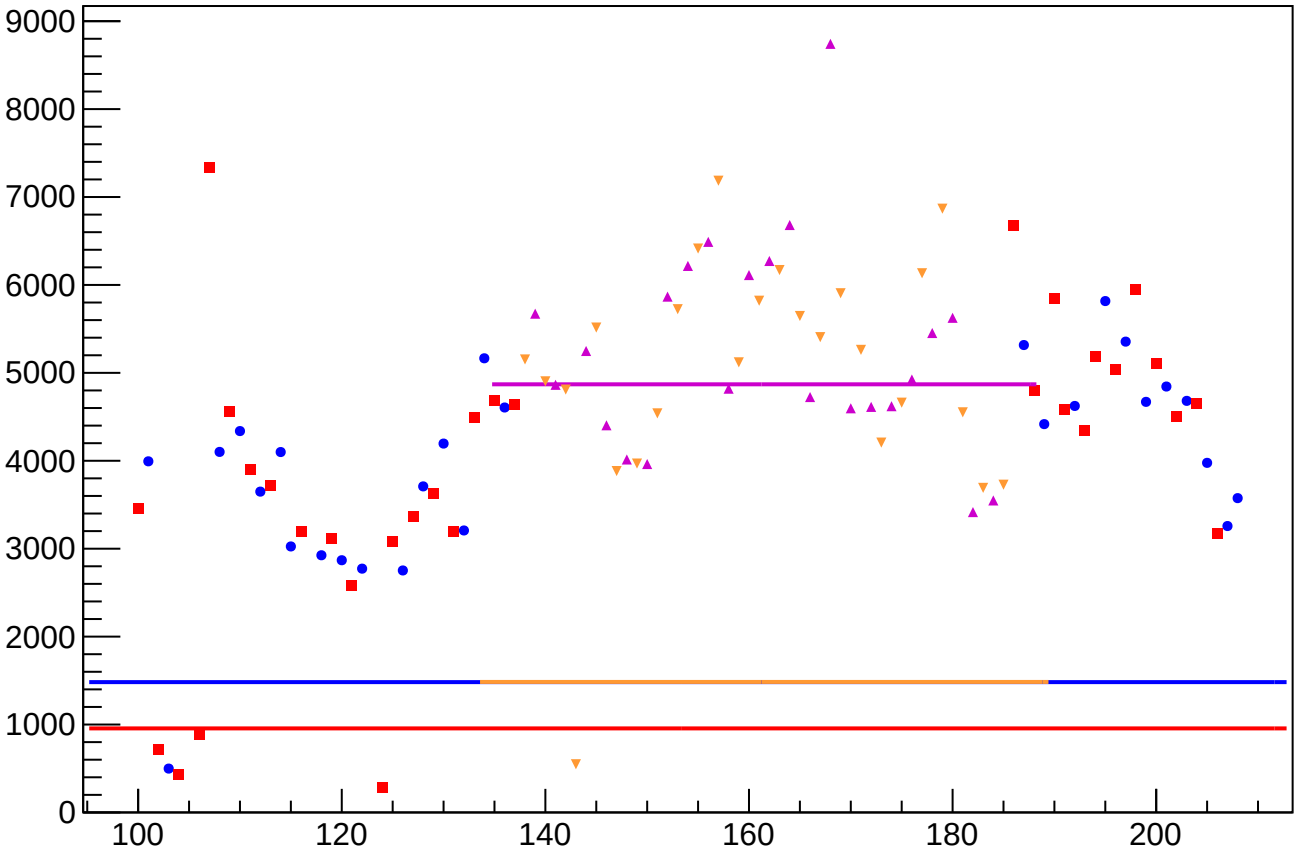
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 206.314+/-328.549 χ^2/NDF: 69.3/57

In: 185.557+/-497.418 χ^2/NDF:43.5/49

Out: -254.616+/-326.639 χ^2/NDF:73.2/55

All: -121.995+/-273.033 χ^2/NDF: 117.3/105



Right In: 1482.408+/-0.389 χ^2/NDF: 16757412.8/26

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 956.014+/-0.290 χ^2/NDF: 20714291.9/30

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

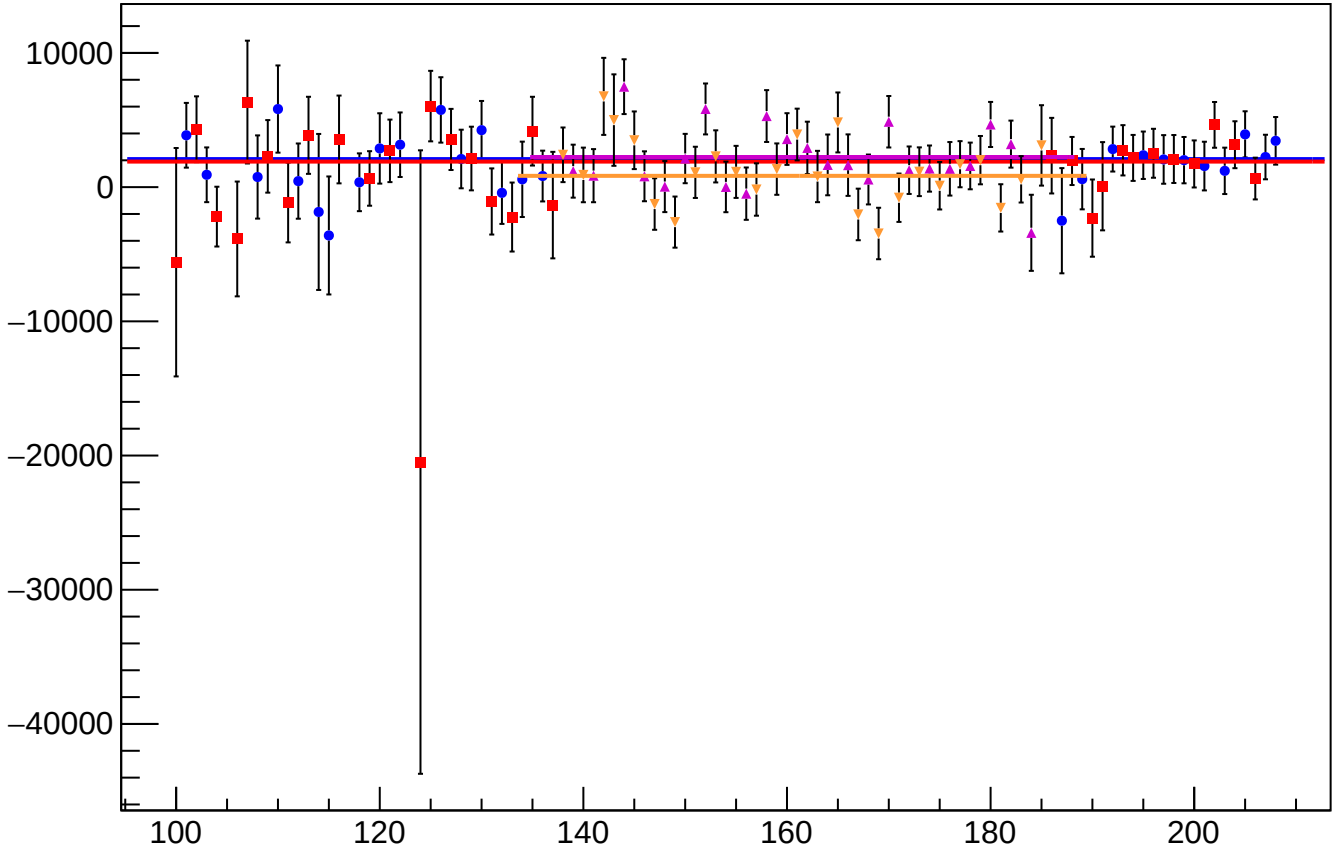
Right: 1143.801+/-0.232 χ^2/NDF: 38649834.0/57

In: 2099.871+/-0.352 χ^2/NDF:32056195.7/49

Out: 1148.511+/-0.231 χ^2/NDF:45151862.0/55

All: 1435.148+/-0.193 χ^2/NDF: 82319825.7/1

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1903.283+/-417.942 χ^2/NDF: 26.2/30

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

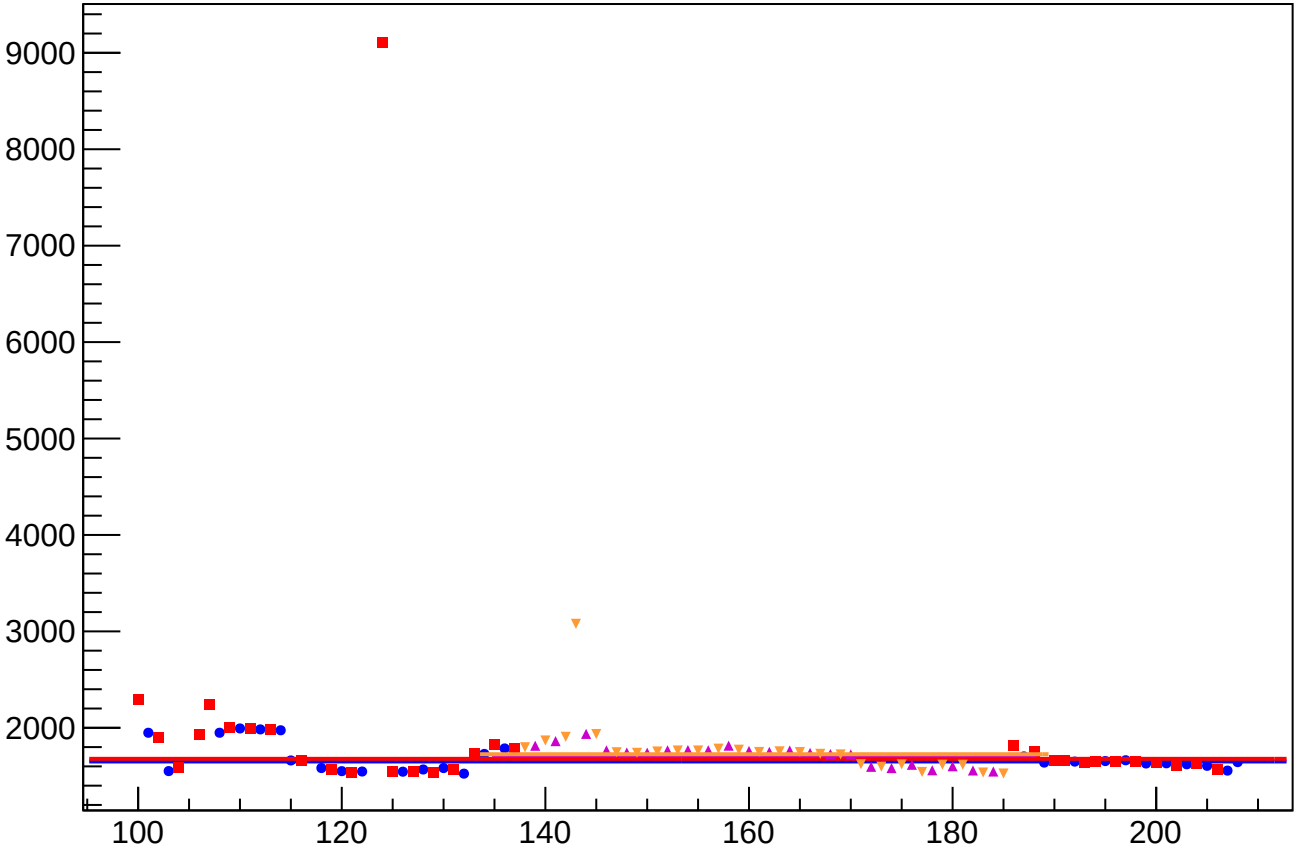
Right: 1996.759+/-294.888 χ^2/NDF: 41.4/57

In: 2170.174+/-288.660 χ^2/NDF:44.6/49

Out: 1341.740+/-286.862 χ^2/NDF:60.0/55

All: 1753.369+/-203.475 χ^2/NDF: 108.7/105

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

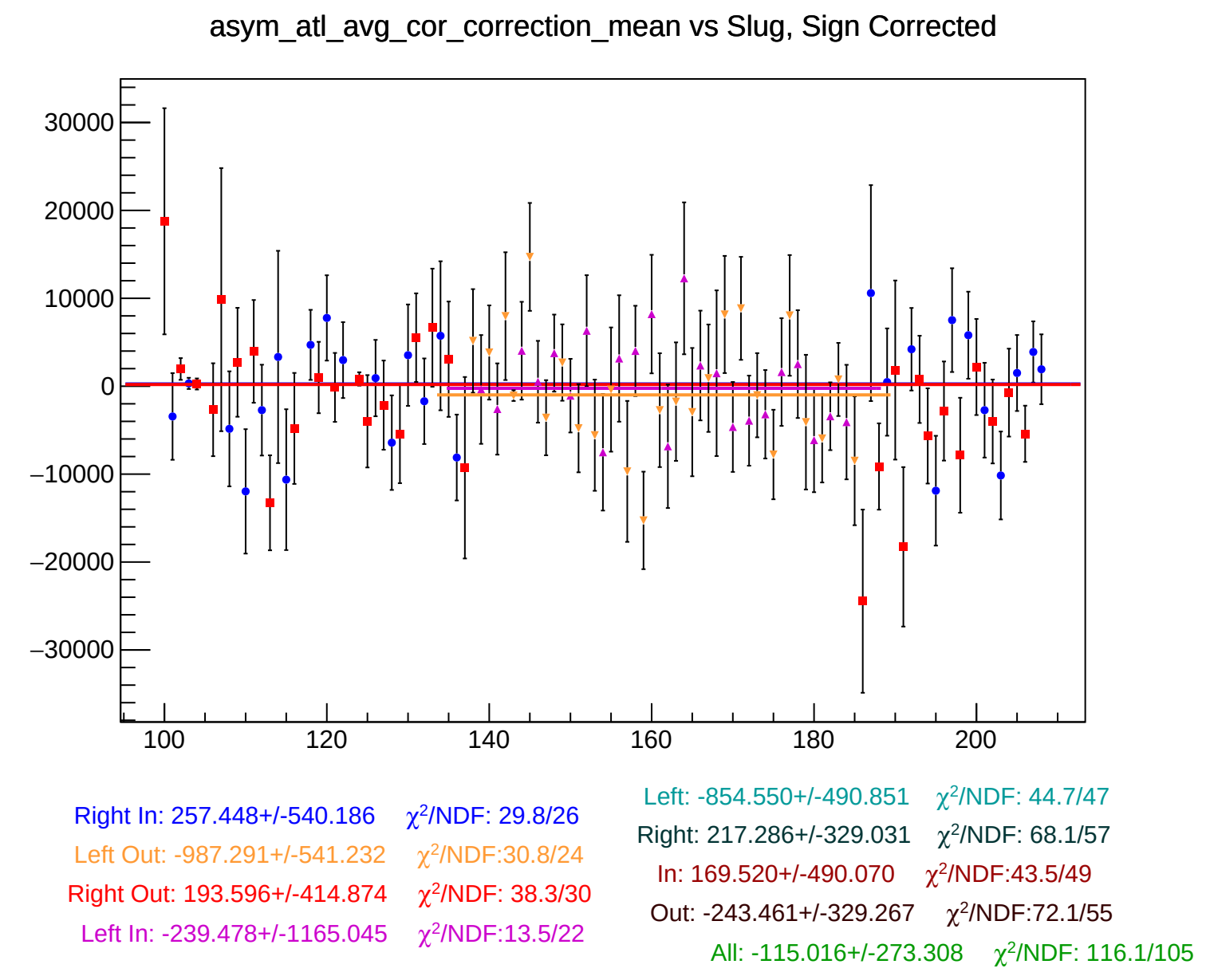
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1664.678+/-0.208 χ^2/NDF: 578974.5/57

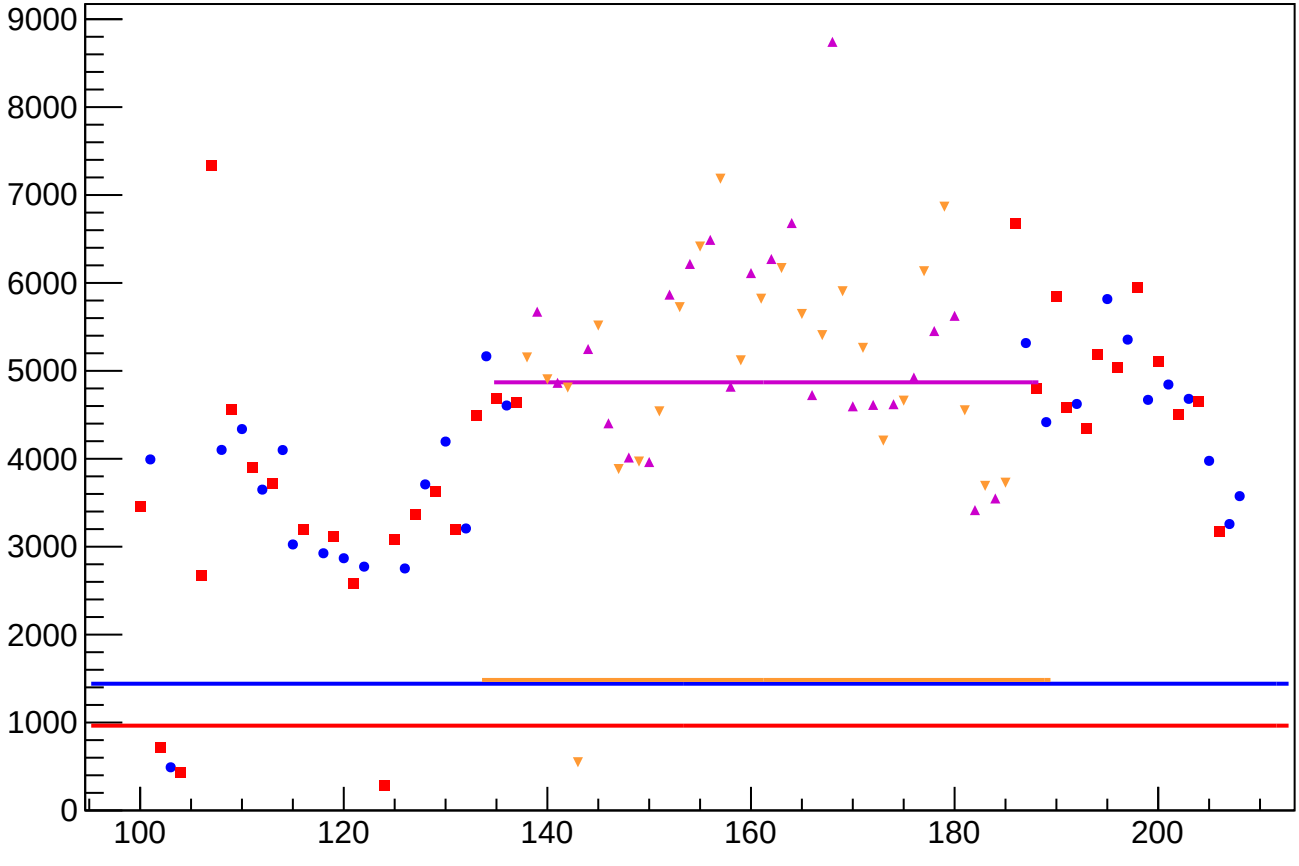
In: 1683.331+/-0.204 χ^2/NDF:307184.4/49

Out: 1703.494+/-0.203 χ^2/NDF:888675.1/55

All: 1693.484+/-0.144 χ^2/NDF: 1200772.9/10


asym_atl_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 257.448+/-540.186 χ²/NDF: 29.8/26
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 193.596+/-414.874 χ²/NDF: 38.3/30
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 217.286+/-329.031 χ²/NDF: 68.1/57
In: 169.520+/-490.070 χ²/NDF:43.5/49
Out: -243.461+/-329.267 χ²/NDF:72.1/55
All: -115.016+/-273.308 χ²/NDF: 116.1/105

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

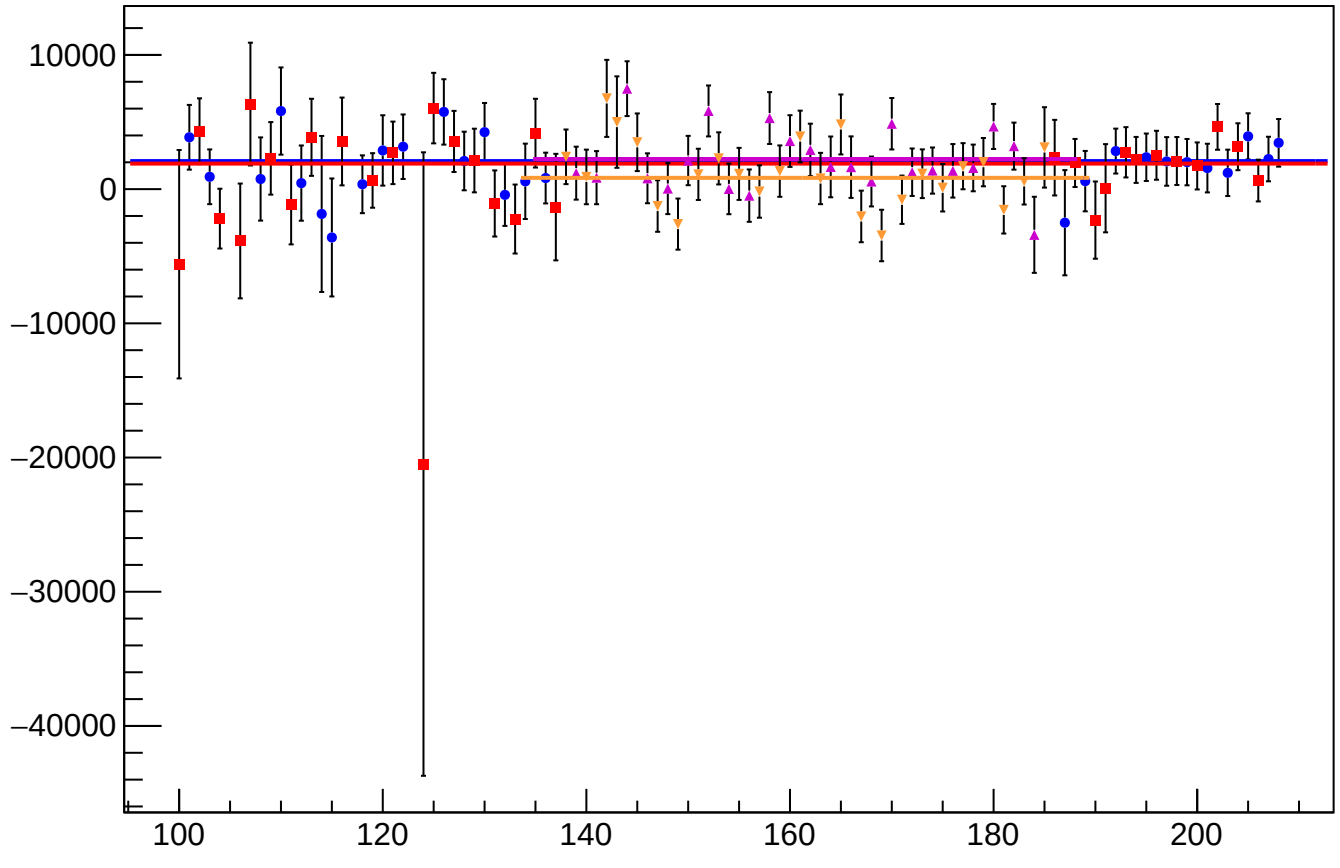
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1141.493+/-0.233 χ^2/NDF: 39002853.7/57

In: 2048.113+/-0.347 χ^2/NDF:32788226.6/49

Out: 1156.962+/-0.233 χ^2/NDF:45349078.7/55

All: 1434.127+/-0.193 χ^2/NDF: 82693716.9/



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1903.283+/-417.942 χ^2/NDF: 26.2/30

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

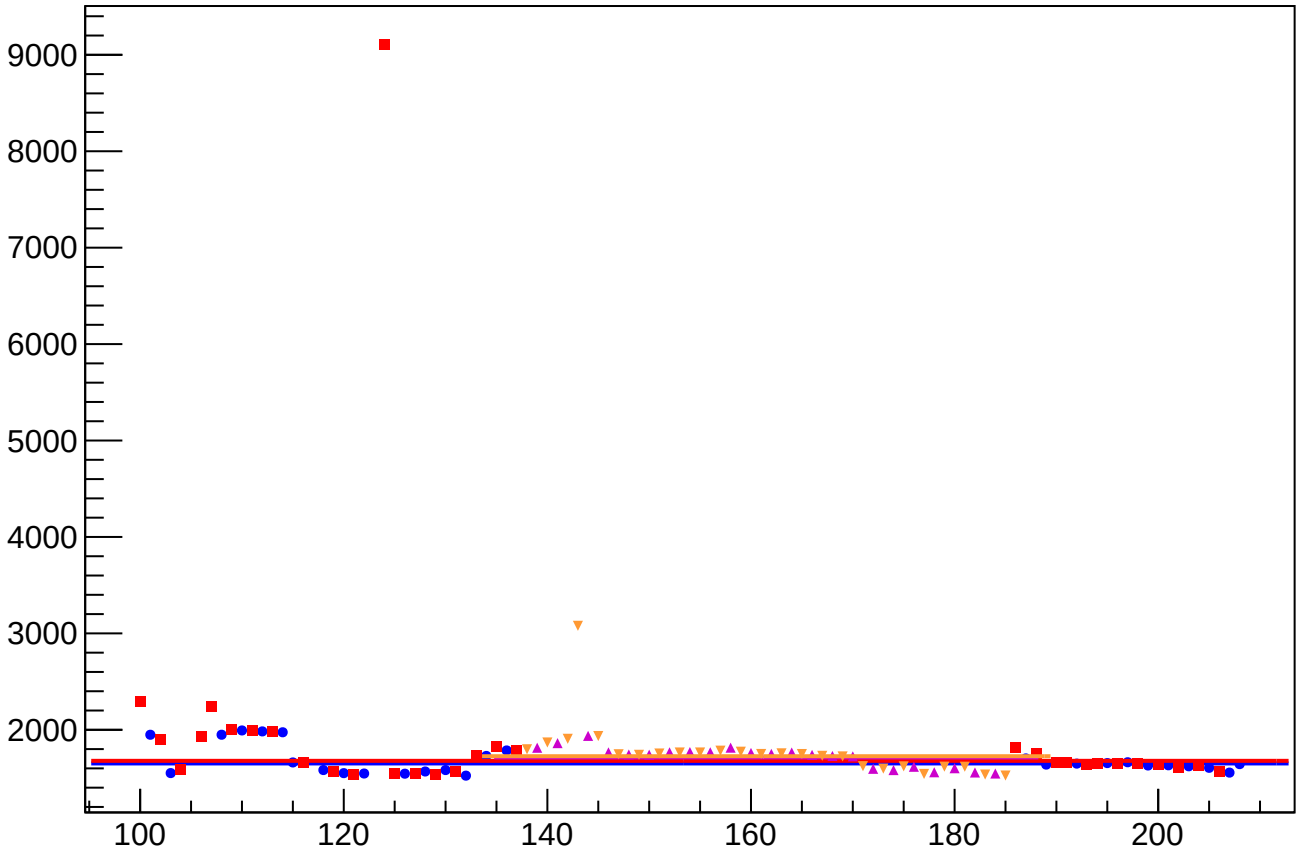
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1996.759+/-294.888 χ^2/NDF: 41.4/57

In: 2170.174+/-288.660 χ^2/NDF:44.6/49

Out: 1341.740+/-286.862 χ^2/NDF:60.0/55

All: 1753.369+/-203.475 χ^2/NDF: 108.7/105



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

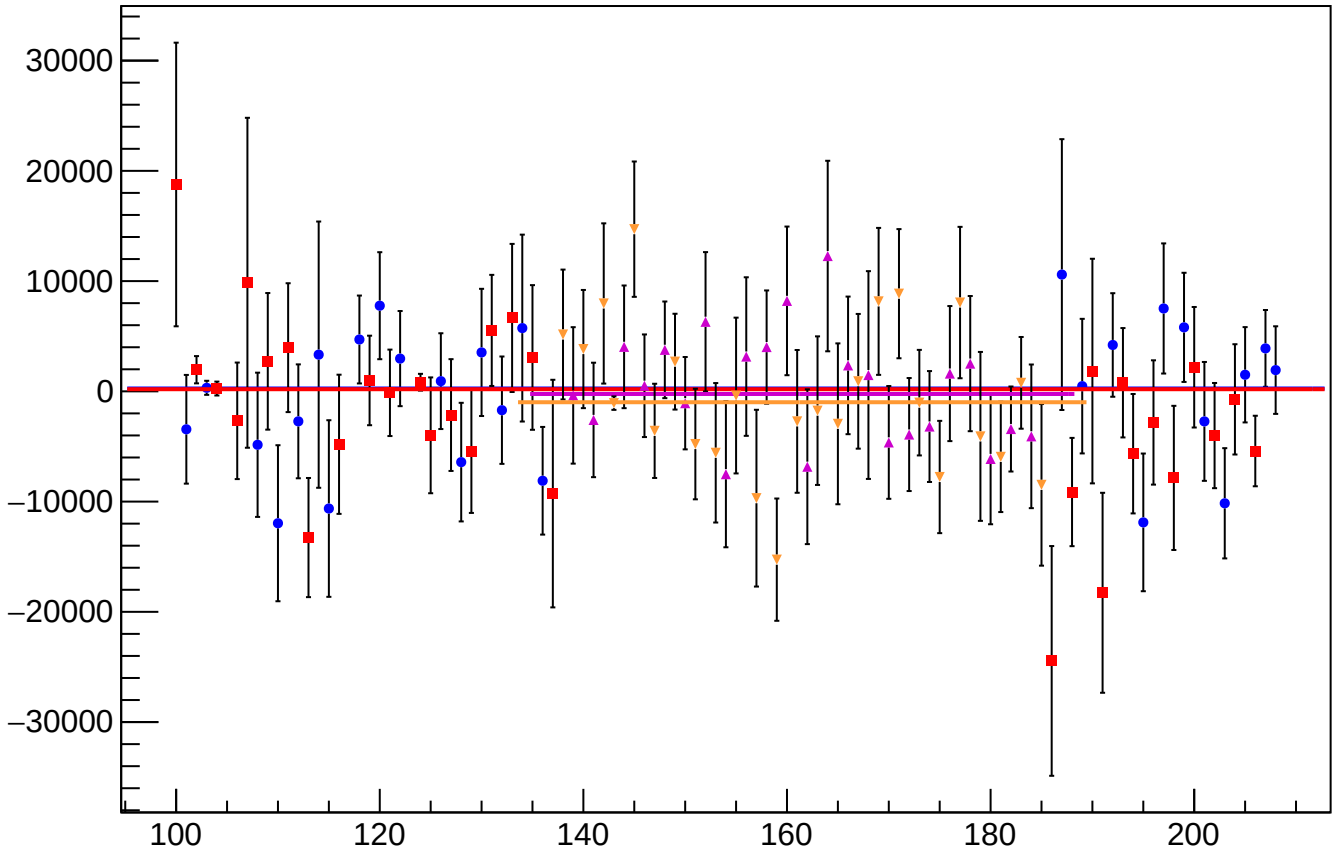
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1664.678+/-0.208 χ^2/NDF: 578974.5/57

In: 1683.331+/-0.204 χ^2/NDF:307184.4/49

Out: 1703.494+/-0.203 χ^2/NDF:888675.1/55

All: 1693.484+/-0.144 χ^2/NDF: 1200772.9/10



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 193.596+/-414.874 χ^2/NDF: 38.3/30

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

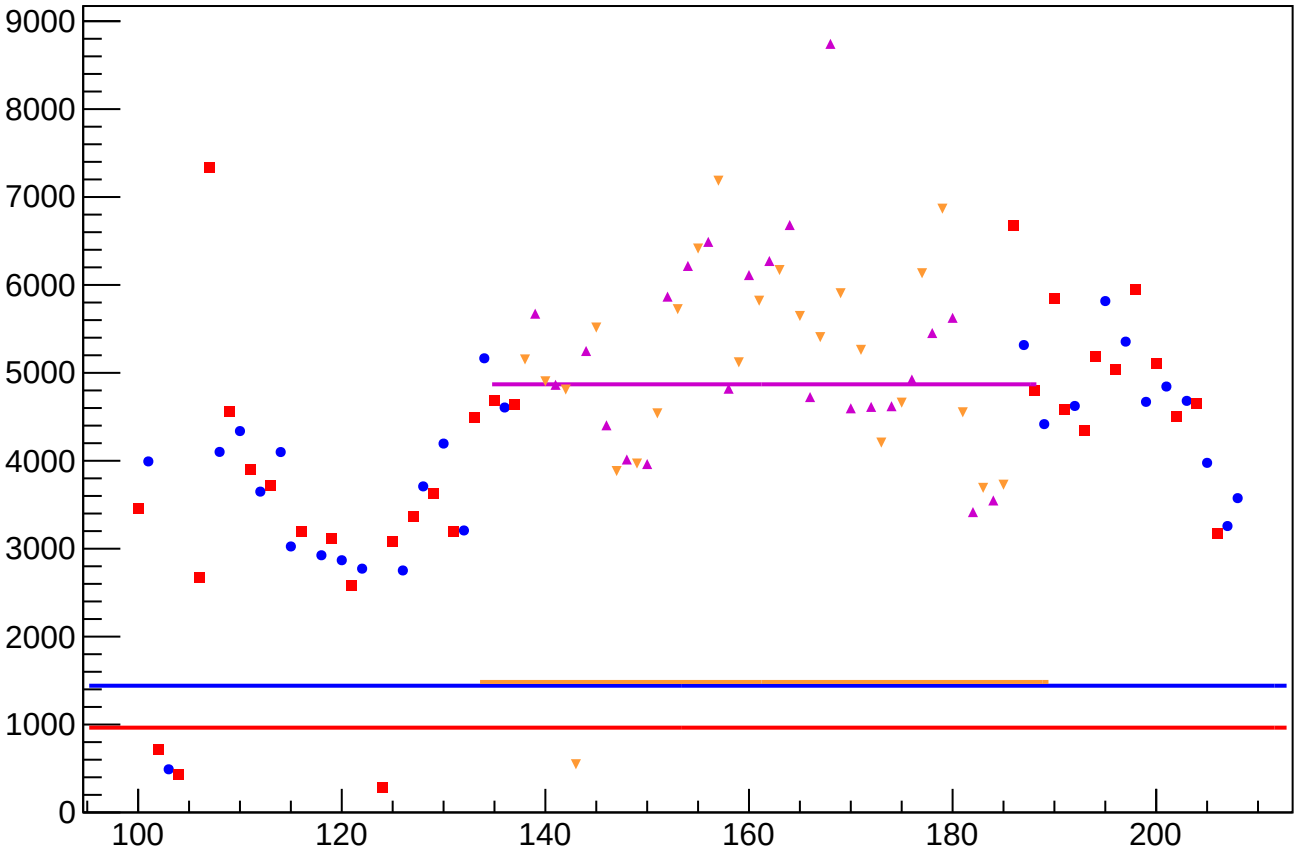
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 217.286+/-329.031 χ^2/NDF: 68.1/57

In: 169.520+/-490.070 χ^2/NDF:43.5/49

Out: -243.461+/-329.267 χ^2/NDF:72.1/55

All: -115.016+/-273.308 χ^2/NDF: 116.1/105



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

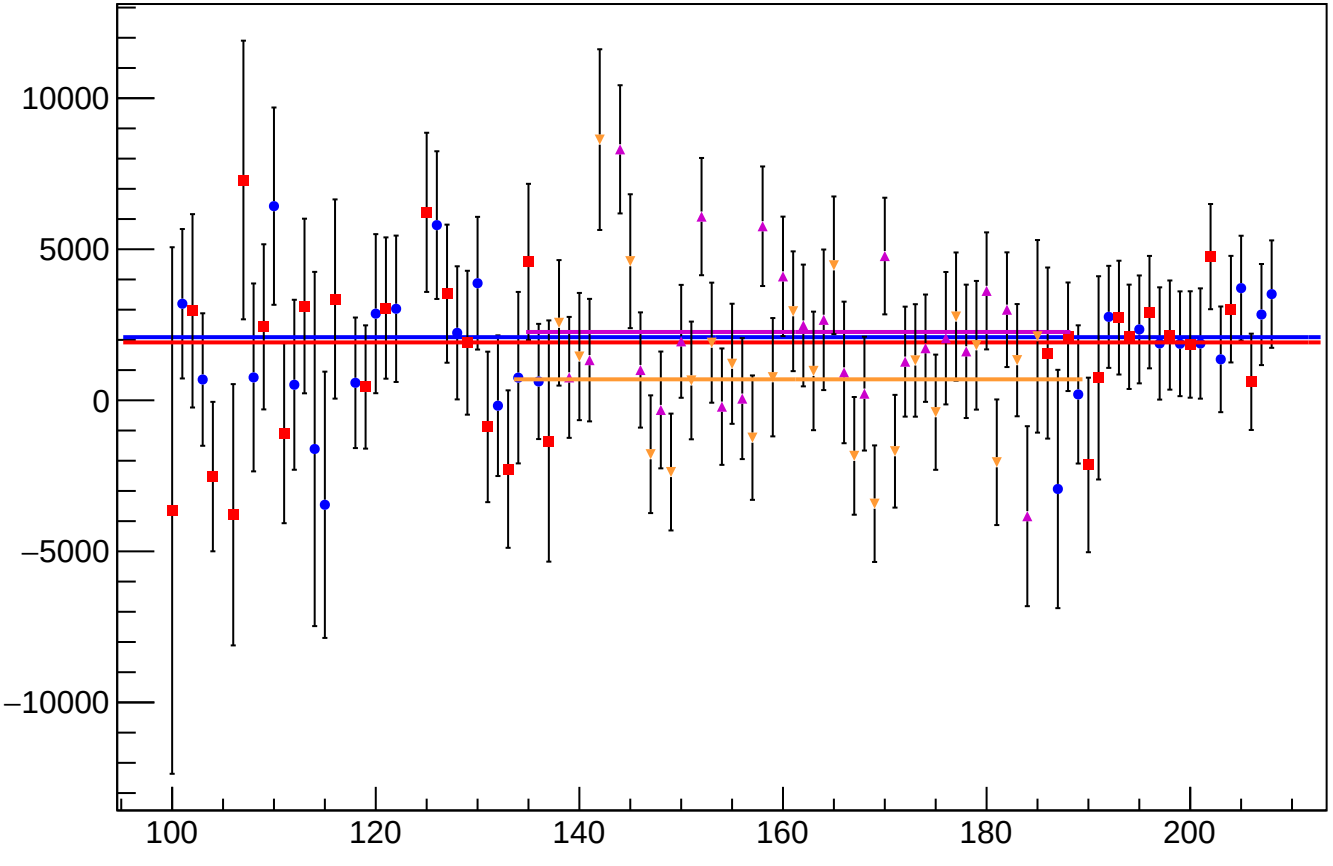
Right: 1141.493+/-0.233 χ^2/NDF: 39002853.7/57

In: 2048.113+/-0.347 χ^2/NDF:32788226.6/49

Out: 1156.962+/-0.233 χ^2/NDF:45349078.7/55

All: 1434.127+/-0.193 χ^2/NDF: 82693716.9/

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2089.935+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1916.555+/-425.986 χ^2/NDF: 24.1/29

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

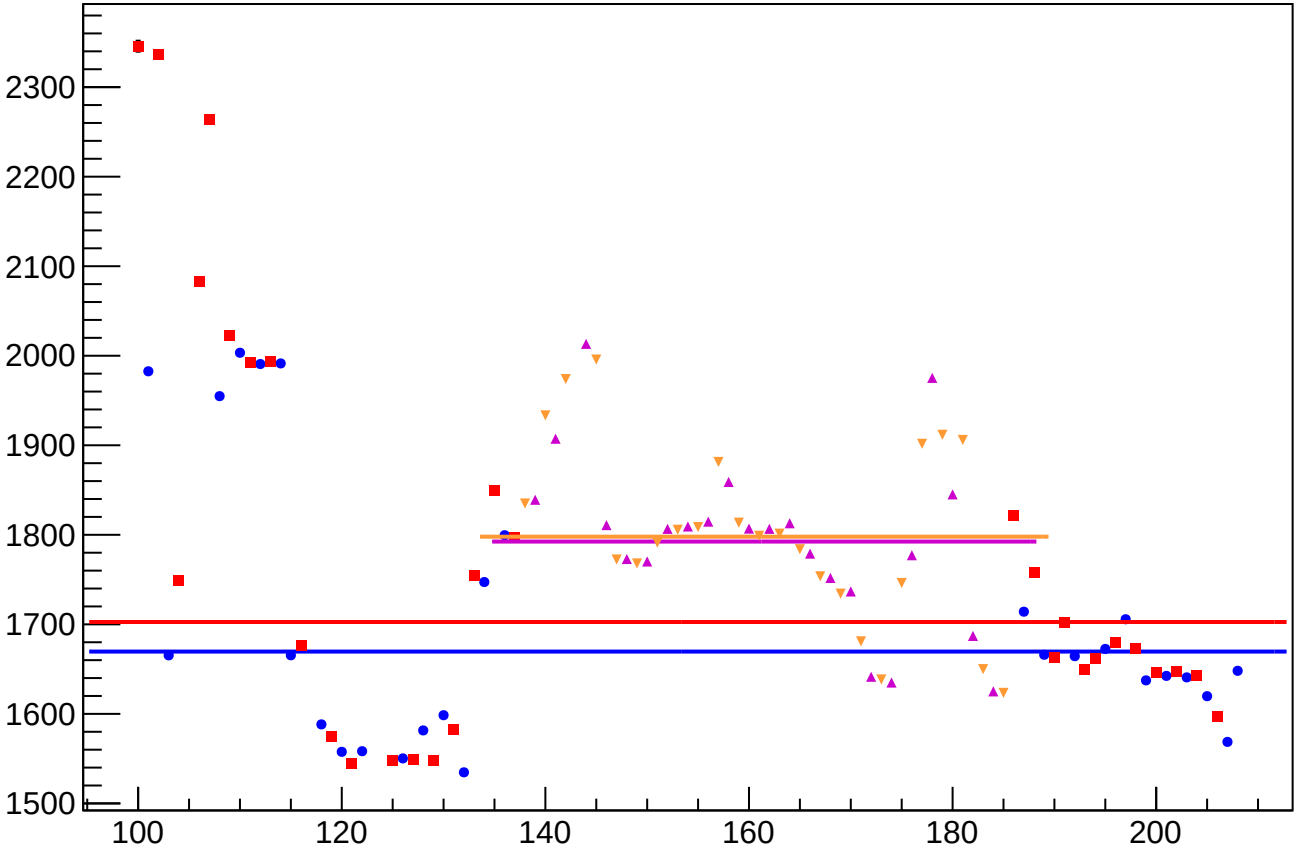
Right: 2004.277+/-299.420 χ^2/NDF: 38.9/56

In: 2176.213+/-297.026 χ^2/NDF:45.2/49

Out: 1293.945+/-298.373 χ^2/NDF:60.5/53

All: 1737.074+/-210.504 χ^2/NDF: 110.1/103

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1669.602+/-0.298 χ^2/NDF: 152016.9/26

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.8/29

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

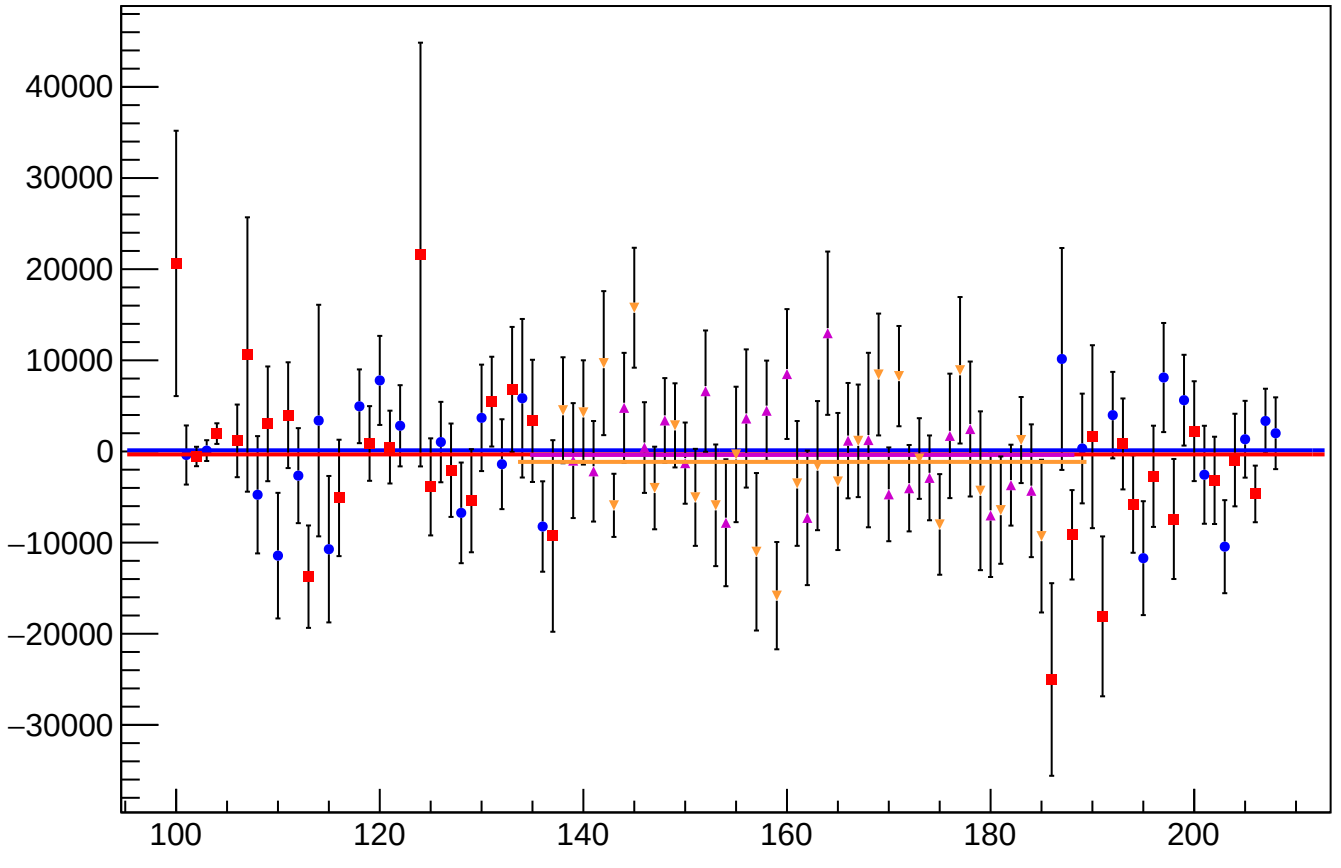
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1685.925+/-0.212 χ^2/NDF: 441876.5/56

In: 1731.285+/-0.210 χ^2/NDF:330421.1/49

Out: 1751.111+/-0.211 χ^2/NDF:432817.3/53

All: 1741.158+/-0.149 χ^2/NDF: 767675.8/103



Right In: 126.242+/-750.648 χ^2/NDF: 28.8/26

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -323.560+/-621.202 χ^2/NDF: 37.6/30

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

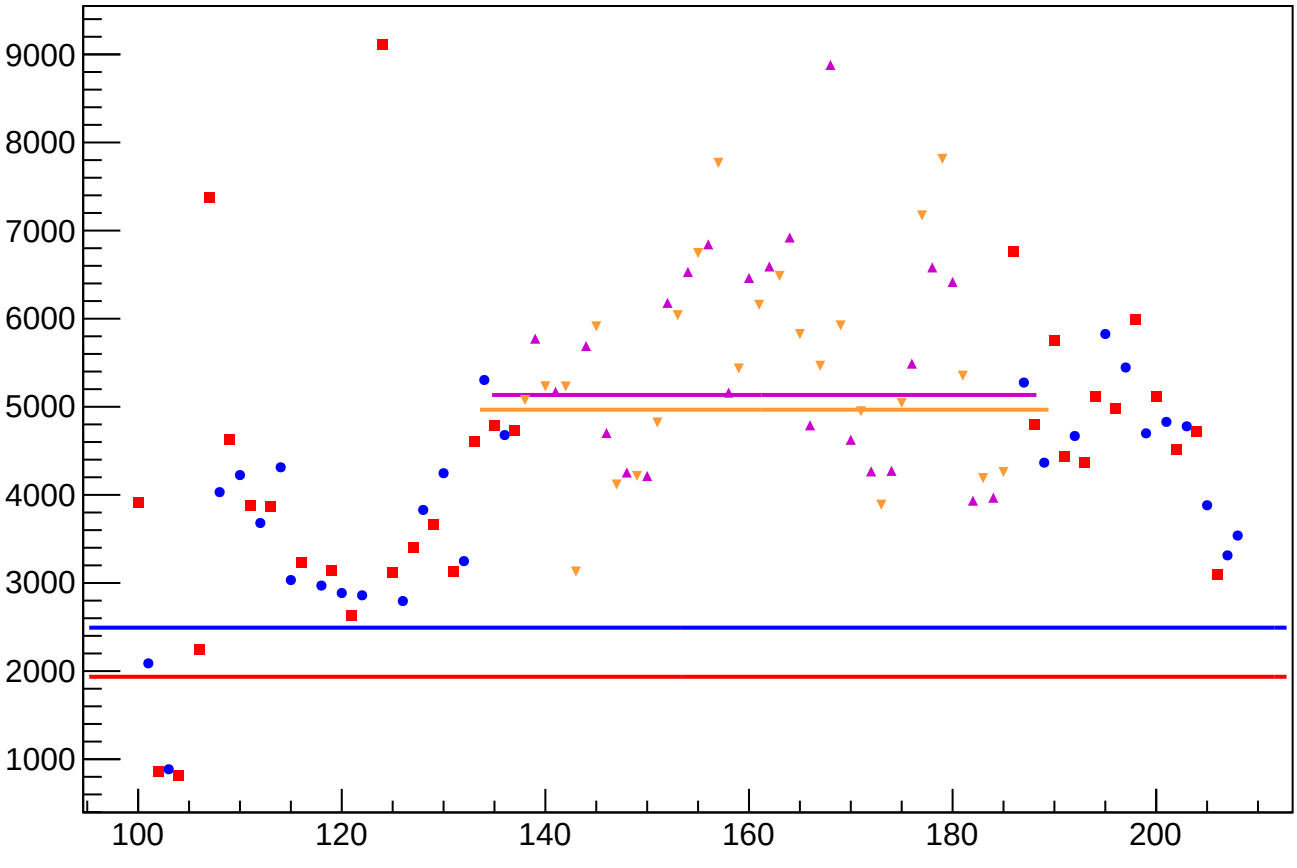
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -140.727+/-478.578 χ^2/NDF: 66.6/57

In: -9.972+/-640.566 χ^2/NDF:42.2/49

Out: -505.411+/-548.089 χ^2/NDF:70.6/55

All: -296.005+/-416.451 χ^2/NDF: 113.1/105



Right In: 2492.978+/-0.531 χ^2/NDF: 8809305.8/26

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1935.574+/-0.439 χ^2/NDF: 13272260.7/30

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

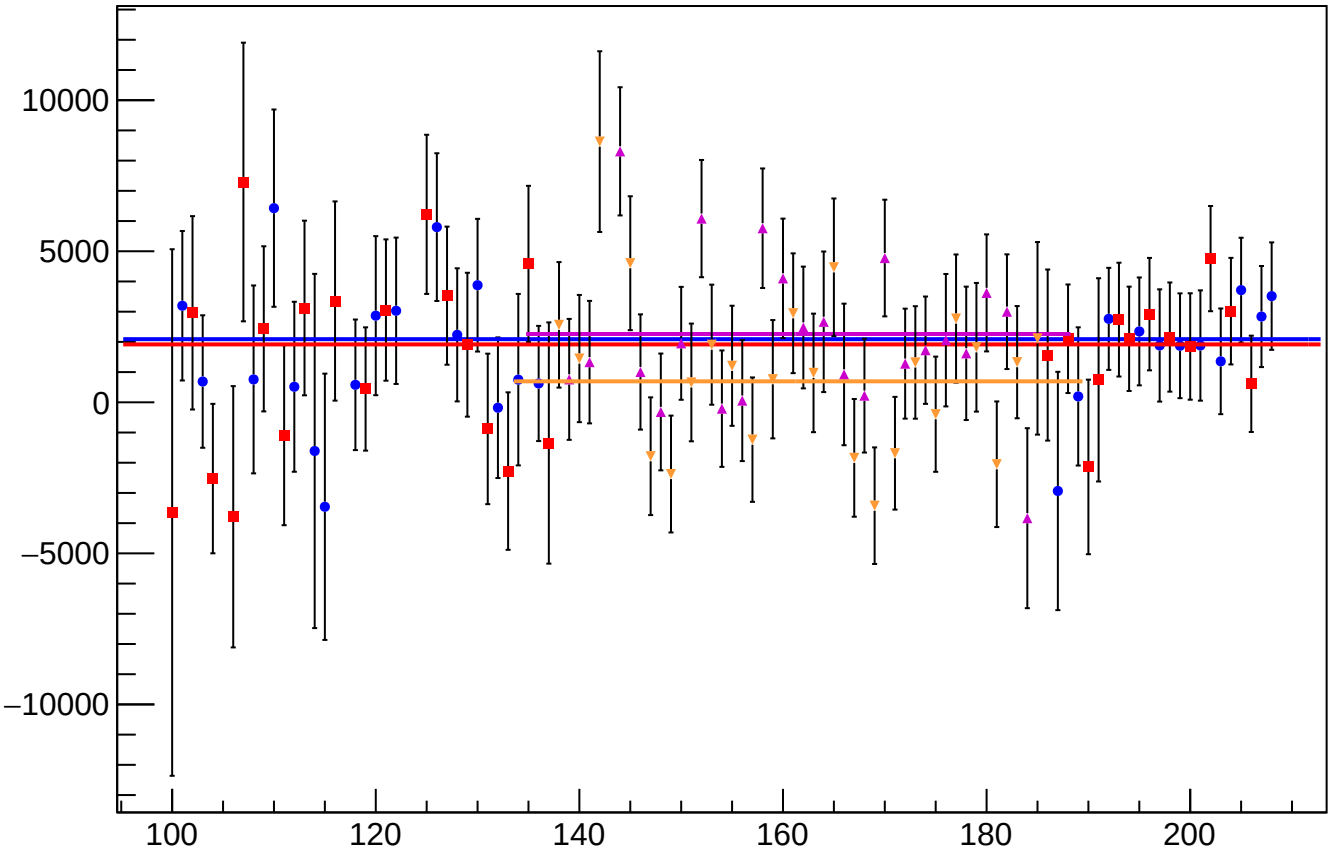
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2162.144+/-0.338 χ^2/NDF: 22736108.6/57

In: 3210.907+/-0.453 χ^2/NDF:17027460.8/49

Out: 2607.132+/-0.388 χ^2/NDF:25740803.6/55

All: 2862.328+/-0.294 χ^2/NDF: 43794102.5/



Right In: 2089.932+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1916.551+/-425.986 χ^2/NDF: 24.1/29

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

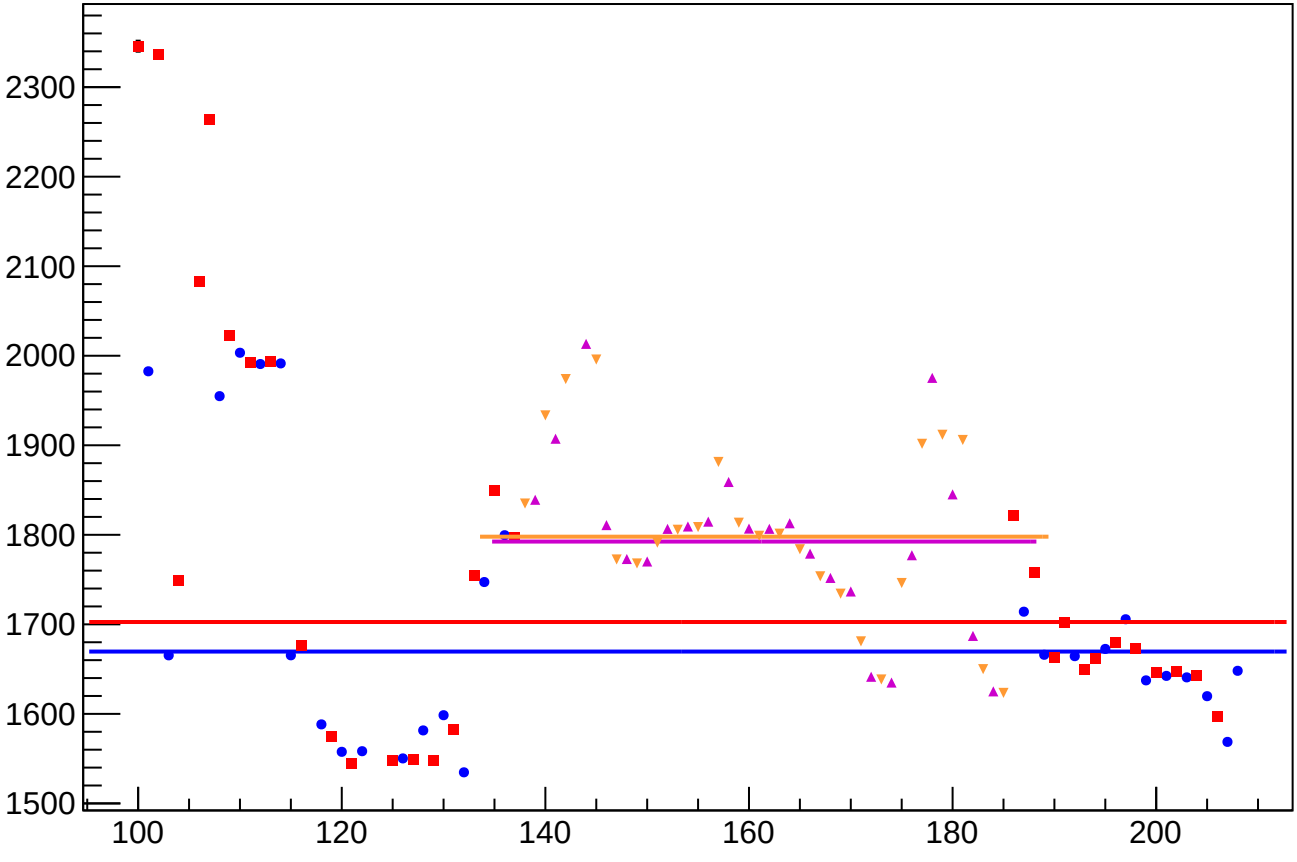
Right: 2004.273+/-299.420 χ^2/NDF: 38.9/56

In: 2176.211+/-297.026 χ^2/NDF:45.2/49

Out: 1293.942+/-298.373 χ^2/NDF:60.5/53

All: 1737.072+/-210.504 χ^2/NDF: 110.1/103

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1669.602+/-0.298 χ^2/NDF: 152017.1/26

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.1/29

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

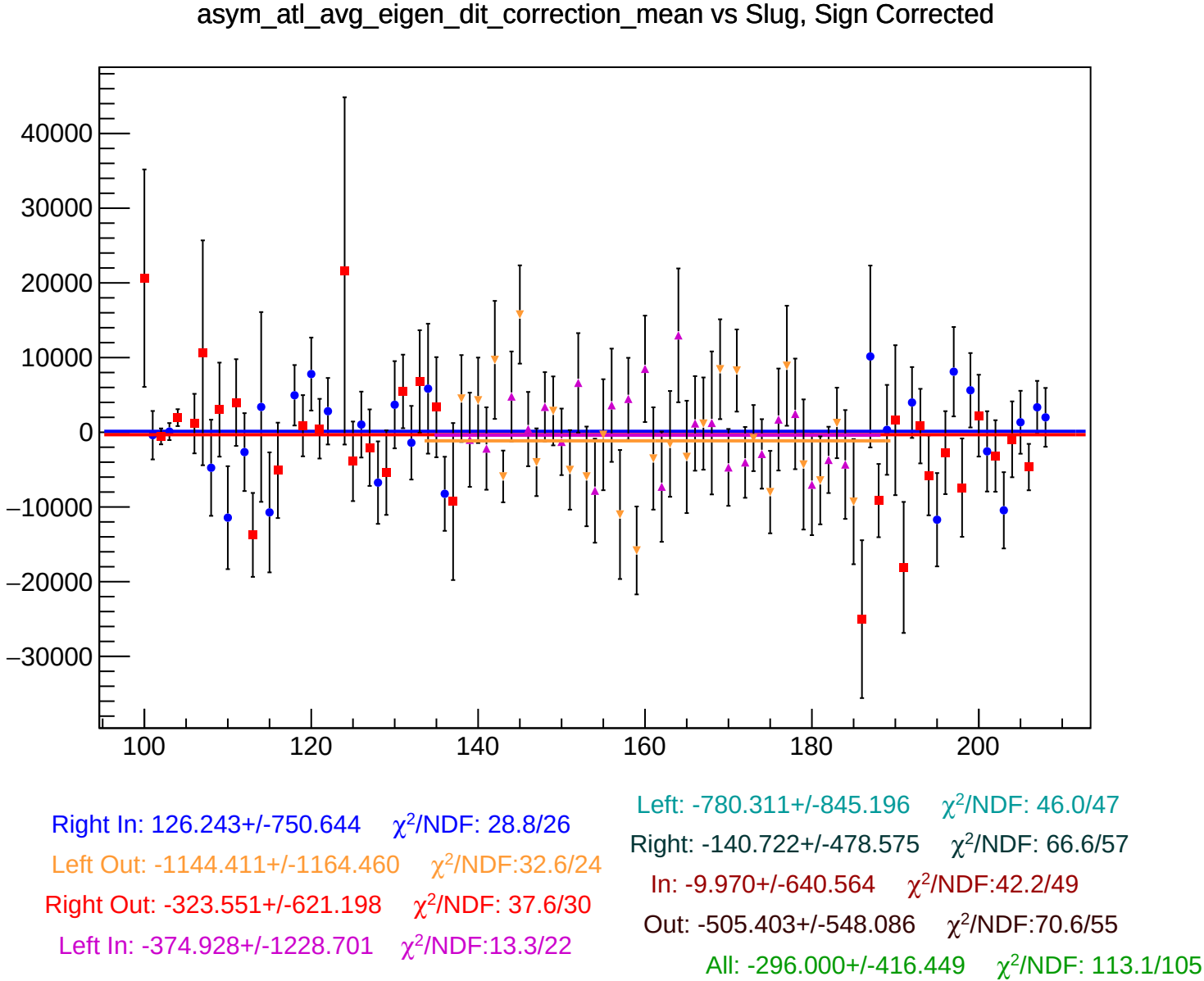
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

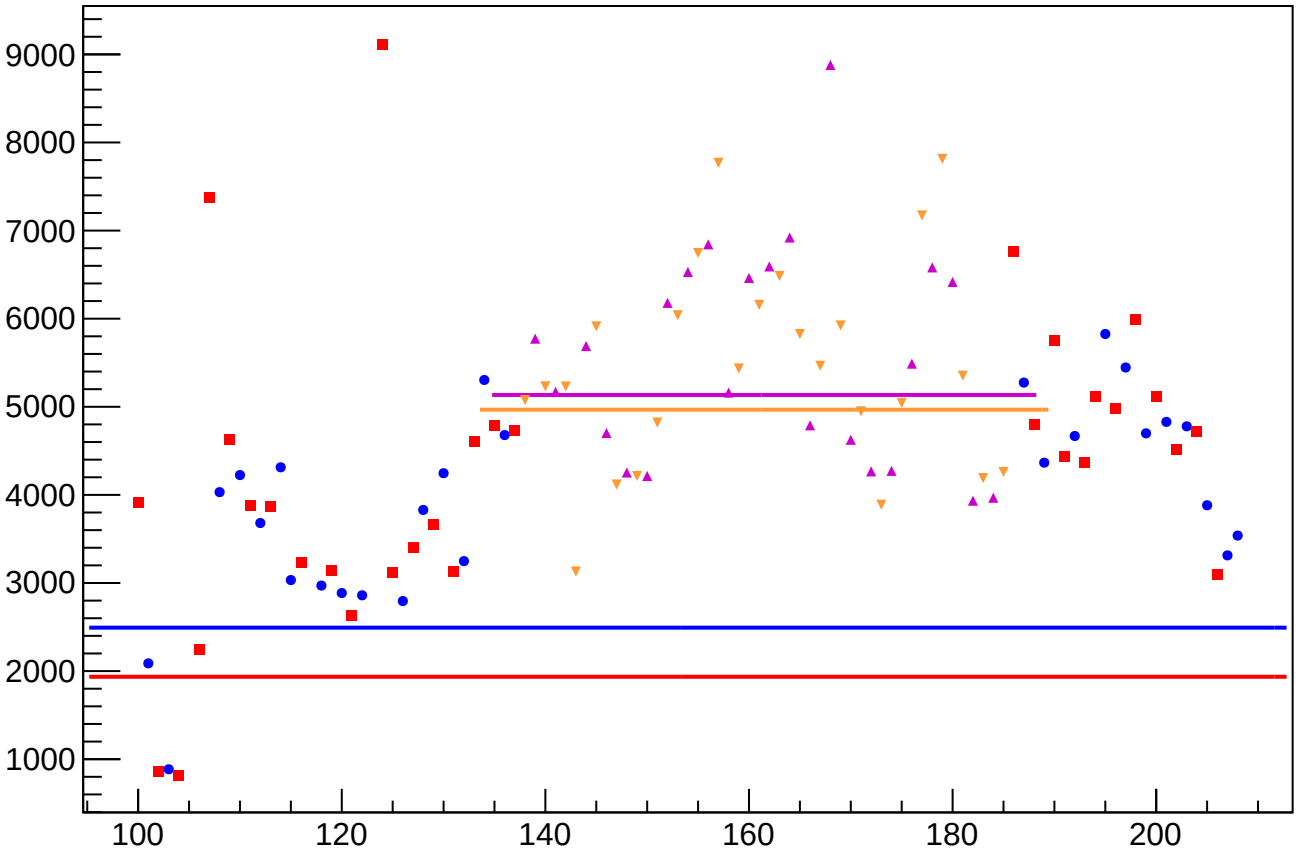
Right: 1685.925+/-0.212 χ^2/NDF: 441876.0/56

In: 1731.285+/-0.210 χ^2/NDF:330426.4/49

Out: 1751.111+/-0.211 χ^2/NDF:432821.6/53

All: 1741.158+/-0.149 χ^2/NDF: 767685.5/103


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 126.243+/-750.644 χ²/NDF: 28.8/26
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: -323.551+/-621.198 χ²/NDF: 37.6/30
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -140.722+/-478.575 χ²/NDF: 66.6/57
In: -9.970+/-640.564 χ²/NDF:42.2/49
Out: -505.403+/-548.086 χ²/NDF:70.6/55
All: -296.000+/-416.449 χ²/NDF: 113.1/105



Right In: 2492.960+/-0.531 χ^2/NDF: 8809426.1/26

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1935.556+/-0.439 χ^2/NDF: 13272382.5/30

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

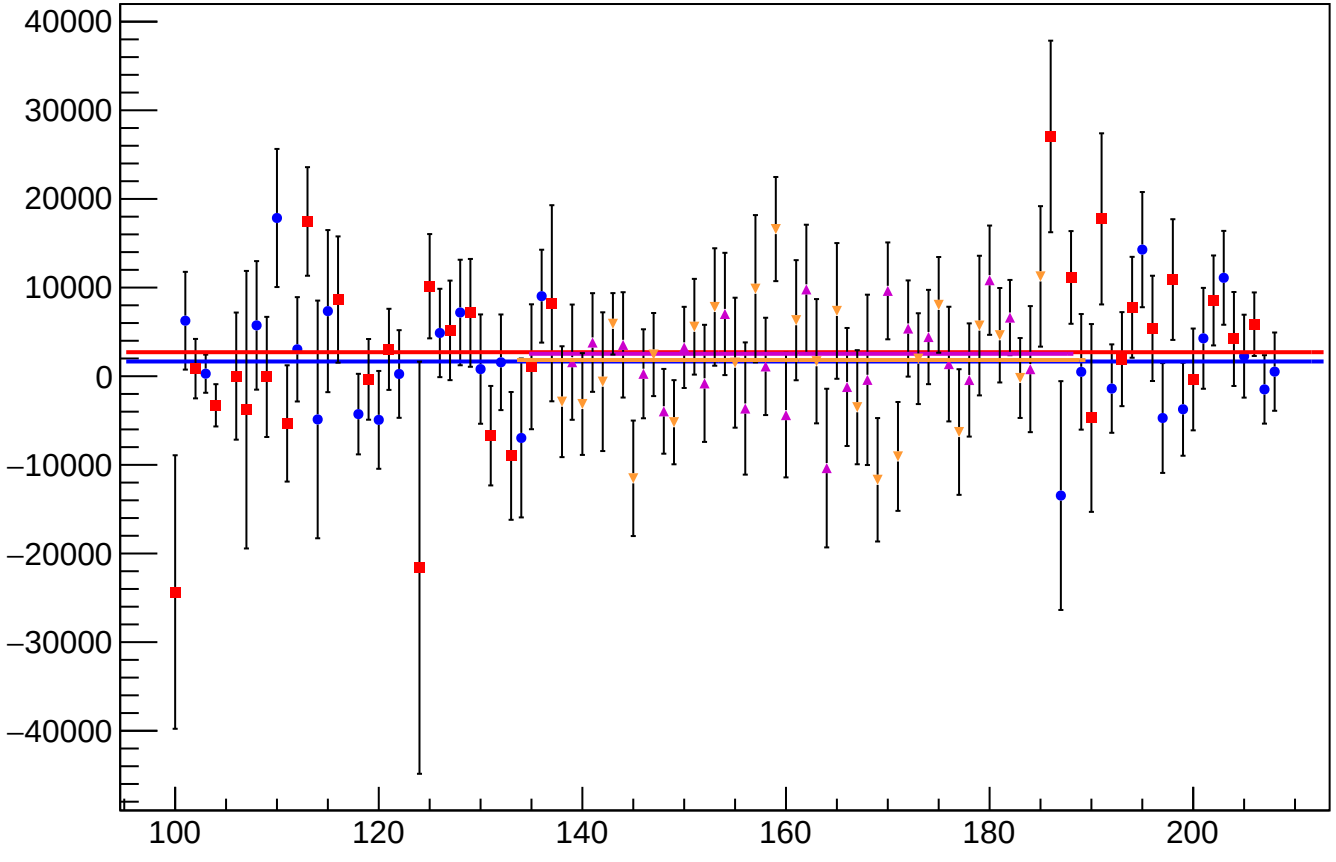
Right: 2162.126+/-0.338 χ^2/NDF: 22736357.6/57

In: 3210.890+/-0.453 χ^2/NDF:17027714.1/49

Out: 2607.112+/-0.388 χ^2/NDF:25741107.2/55

All: 2862.309+/-0.294 χ^2/NDF: 43794677.2/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1661.783+/-991.544 χ^2/NDF: 25.6/26

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2710.516+/-993.806 χ^2/NDF: 43.3/30

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

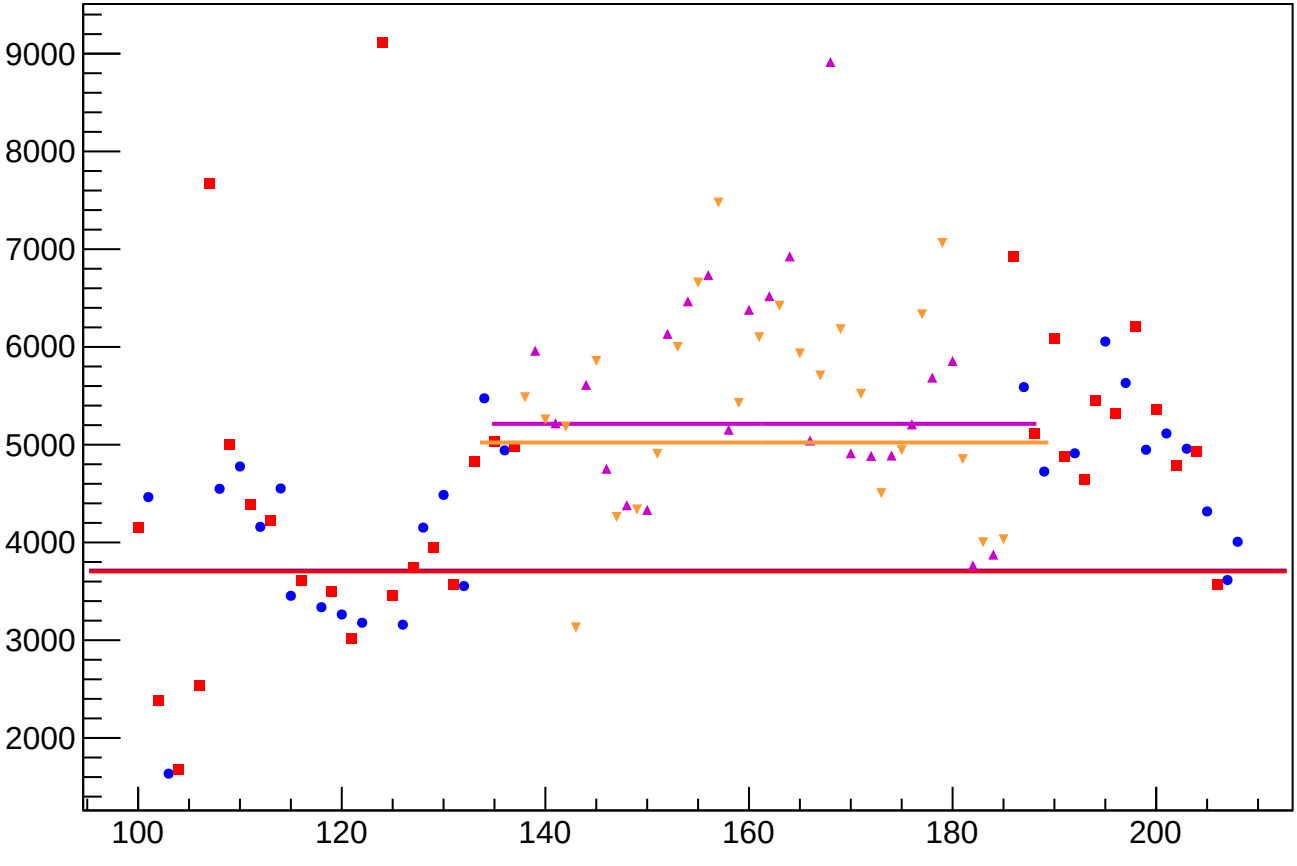
Right: 2184.955+/-701.926 χ^2/NDF: 69.5/57

In: 1999.537+/-774.901 χ^2/NDF:39.1/49

Out: 2340.803+/-758.113 χ^2/NDF:74.8/55

All: 2173.907+/-541.905 χ^2/NDF: 114.0/105

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3711.767+/-0.701 χ^2/NDF: 3335615.5/26

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3704.591+/-0.696 χ^2/NDF: 3914331.5/30

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

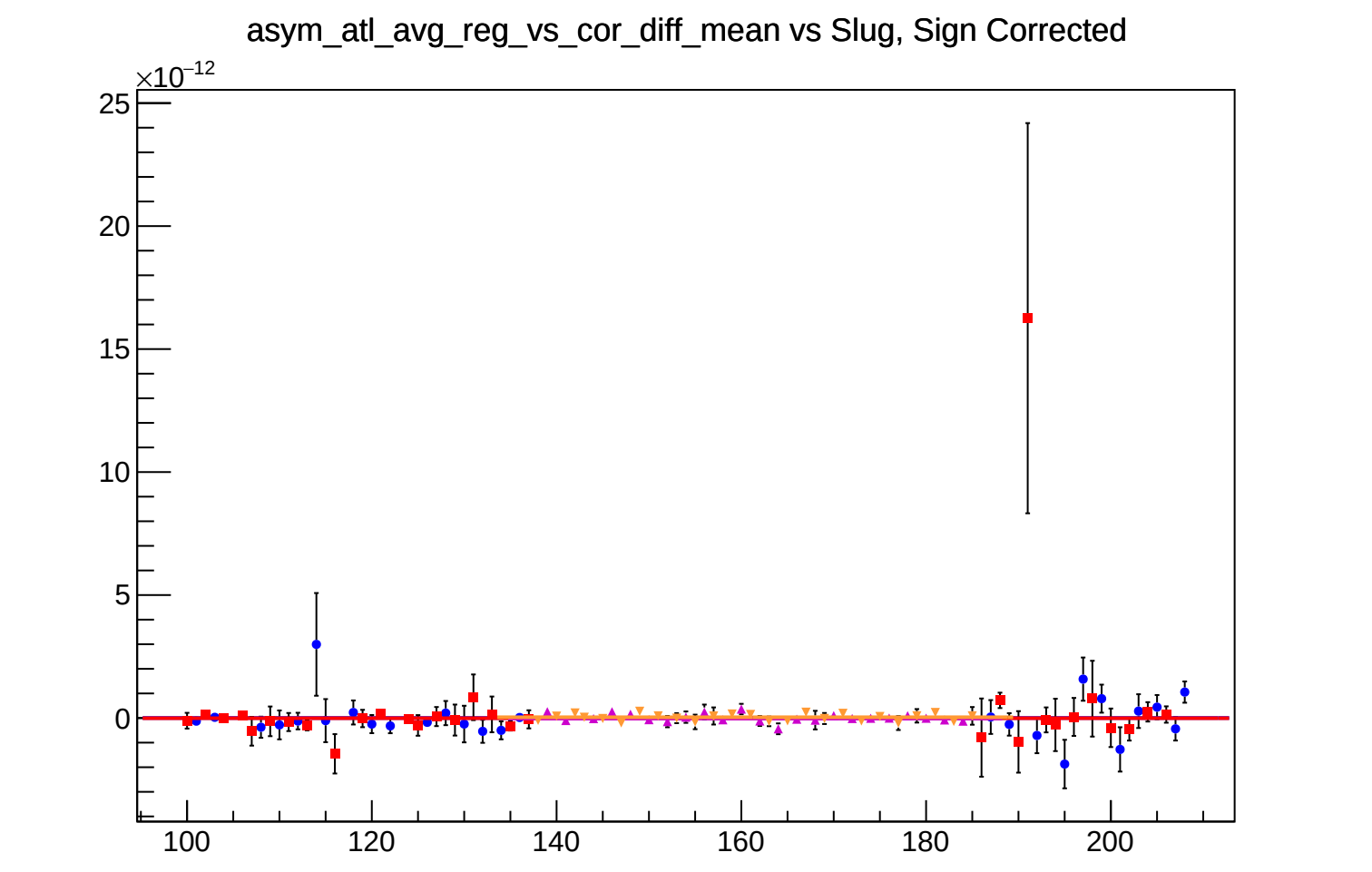
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3708.151+/-0.494 χ^2/NDF: 7249999.8/57

In: 4296.355+/-0.548 χ^2/NDF:6344823.4/49

Out: 4249.064+/-0.533 χ^2/NDF:7073623.0/55

All: 4272.052+/-0.382 χ^2/NDF: 13422274.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

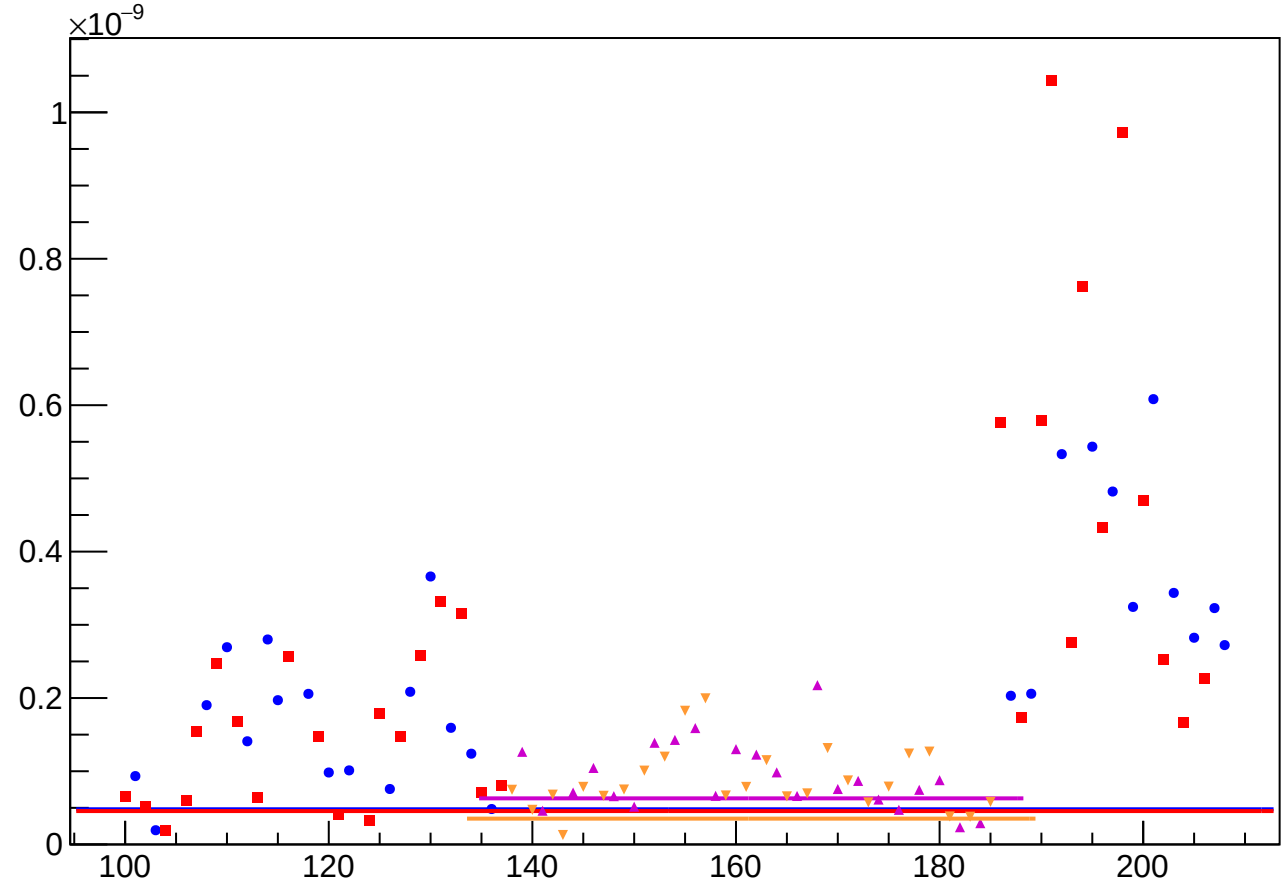
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 58.2/57

In: -0.000+/-0.000 χ^2/NDF:49.8/49

Out: 0.000+/-0.000 χ^2/NDF:53.7/55

All: 0.000+/-0.000 χ^2/NDF: 105.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 8570380.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8127847.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

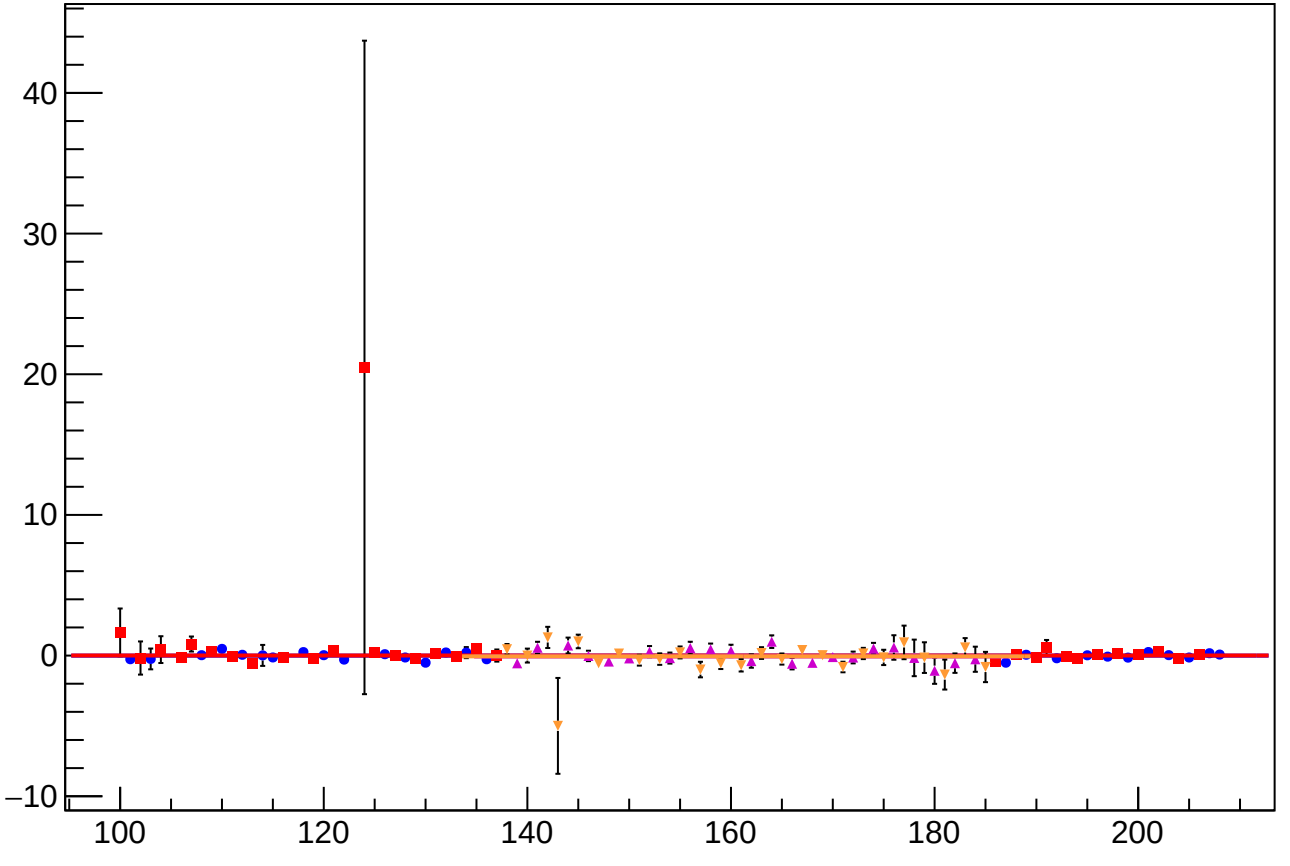
Right: 0.000+/-0.000 χ^2/NDF: 16703852.3/57

In: 0.000+/-0.000 χ^2/NDF:11741324.6/49

Out: 0.000+/-0.000 χ^2/NDF:14796916.4/55

All: 0.000+/-0.000 χ^2/NDF: 27567876.0/105

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

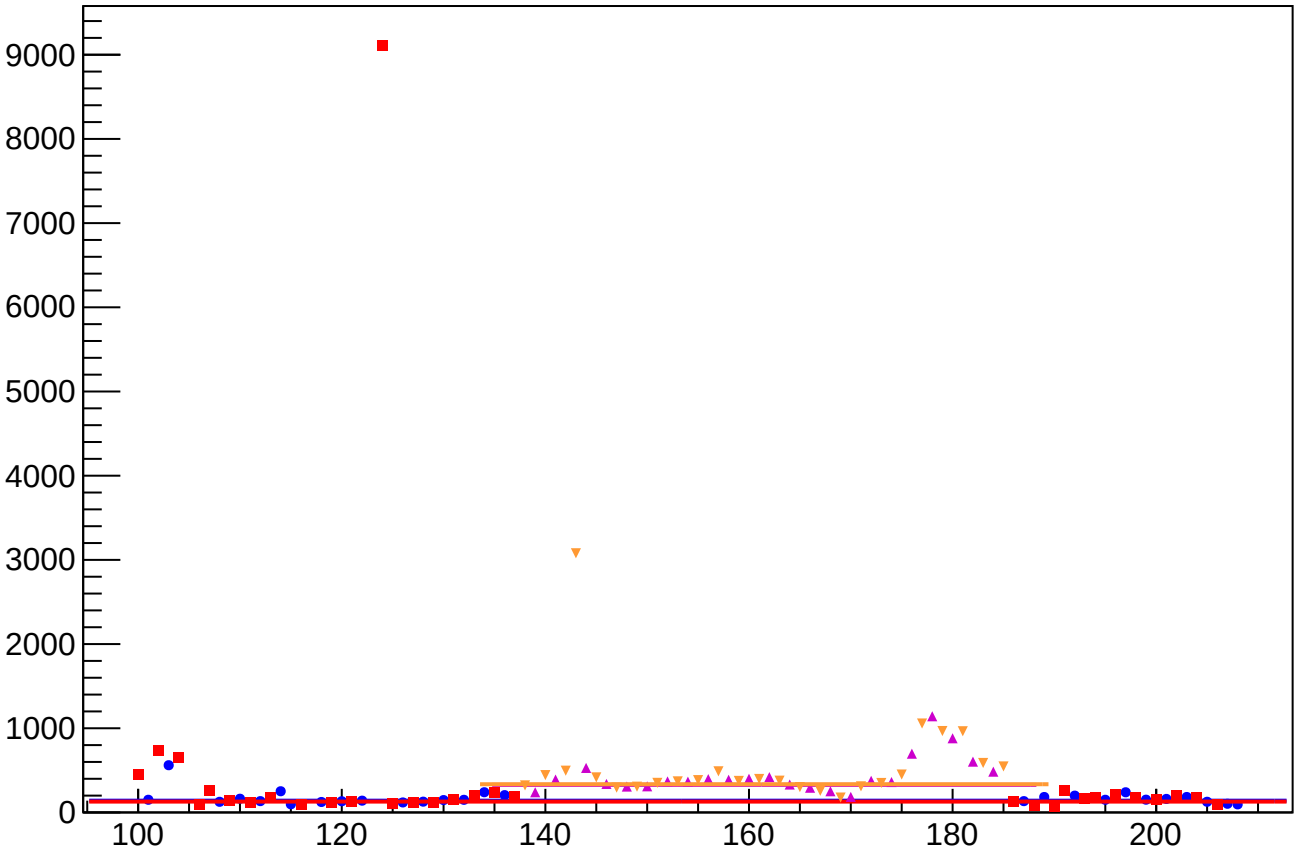
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.001+/-0.026 χ^2/NDF: 59.2/57

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.009+/-0.024 χ^2/NDF: 121.2/105



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

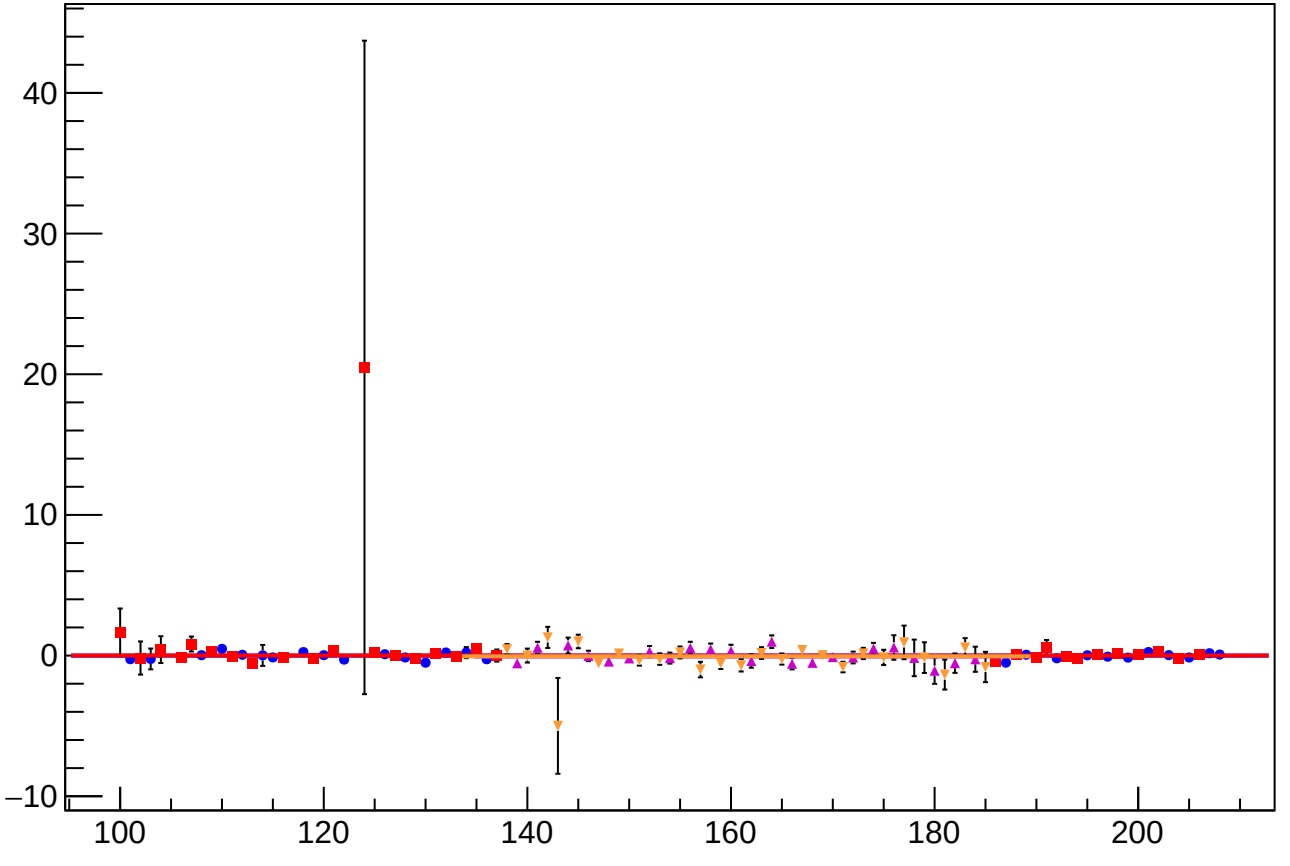
Right: 134.254+/-0.019 χ^2/NDF: 6556113.7/57

In: 173.027+/-0.025 χ^2/NDF:14900482.8/49

Out: 161.412+/-0.024 χ^2/NDF:20051989.4/55

All: 167.009+/-0.017 χ^2/NDF: 35068258.7/10

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

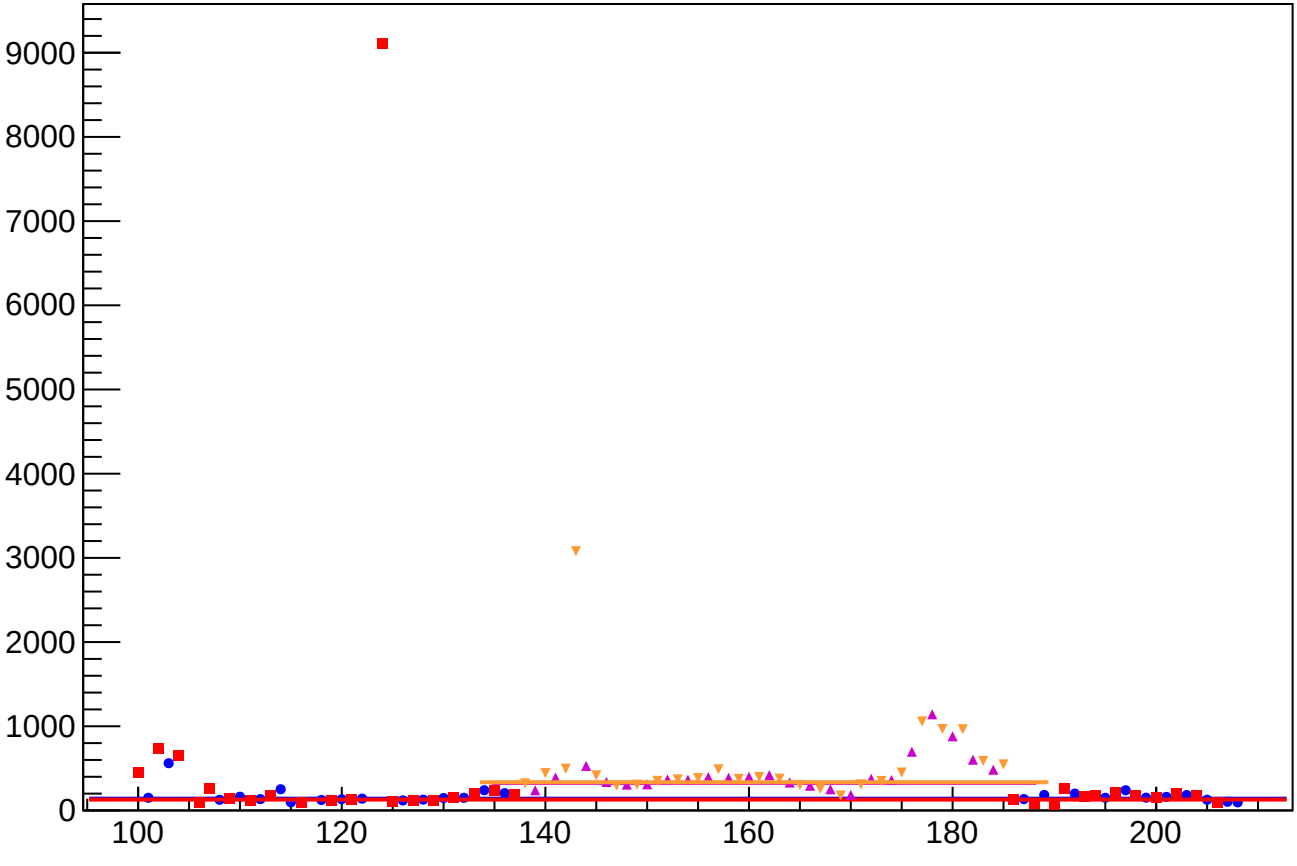
Right: 0.001+/-0.026 χ^2/NDF: 59.2/57

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.009+/-0.024 χ^2/NDF: 121.2/105

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

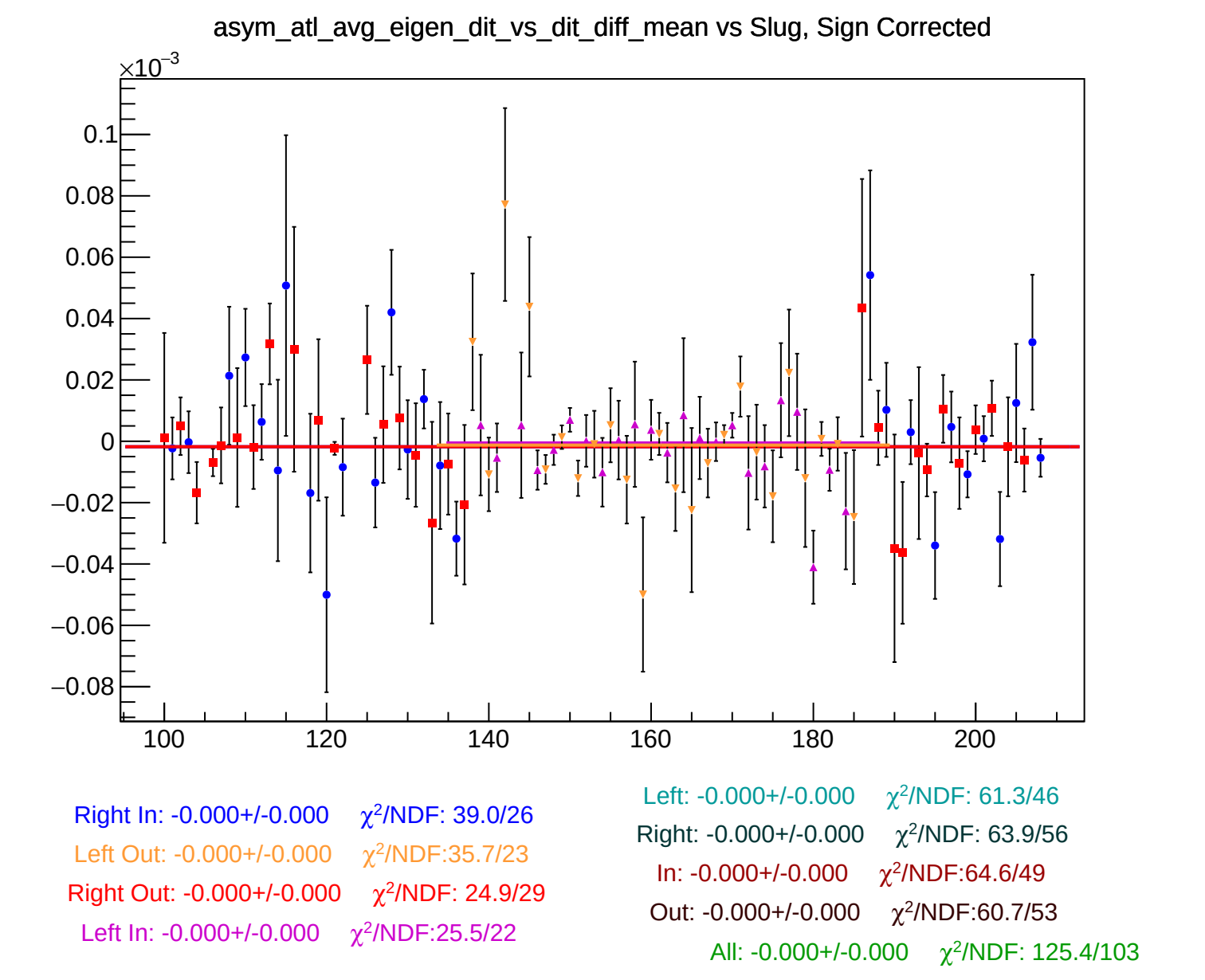
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

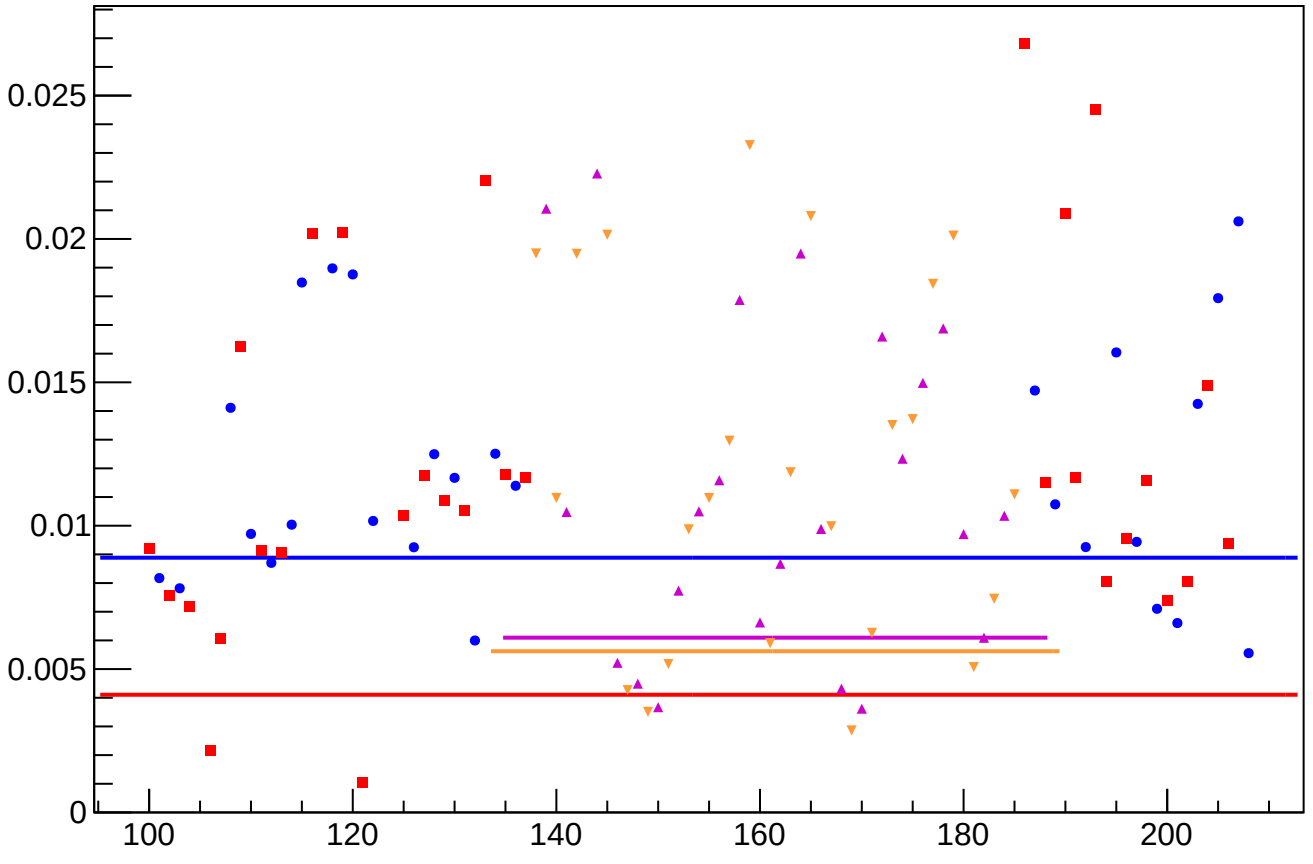
Right: 134.254+/-0.019 χ^2/NDF: 6556113.7/57

In: 173.027+/-0.025 χ^2/NDF:14900482.8/49

Out: 161.412+/-0.024 χ^2/NDF:20051989.4/55

All: 167.009+/-0.017 χ^2/NDF: 35068258.7/10


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 39.0/26
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.9/29
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: -0.000+/-0.000 χ²/NDF: 63.9/56
In: -0.000+/-0.000 χ²/NDF:64.6/49
Out: -0.000+/-0.000 χ²/NDF:60.7/53
All: -0.000+/-0.000 χ²/NDF: 125.4/103



Right In: 0.009+/-0.000 χ^2/NDF: 3763014.5/26

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16292635.5/29

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

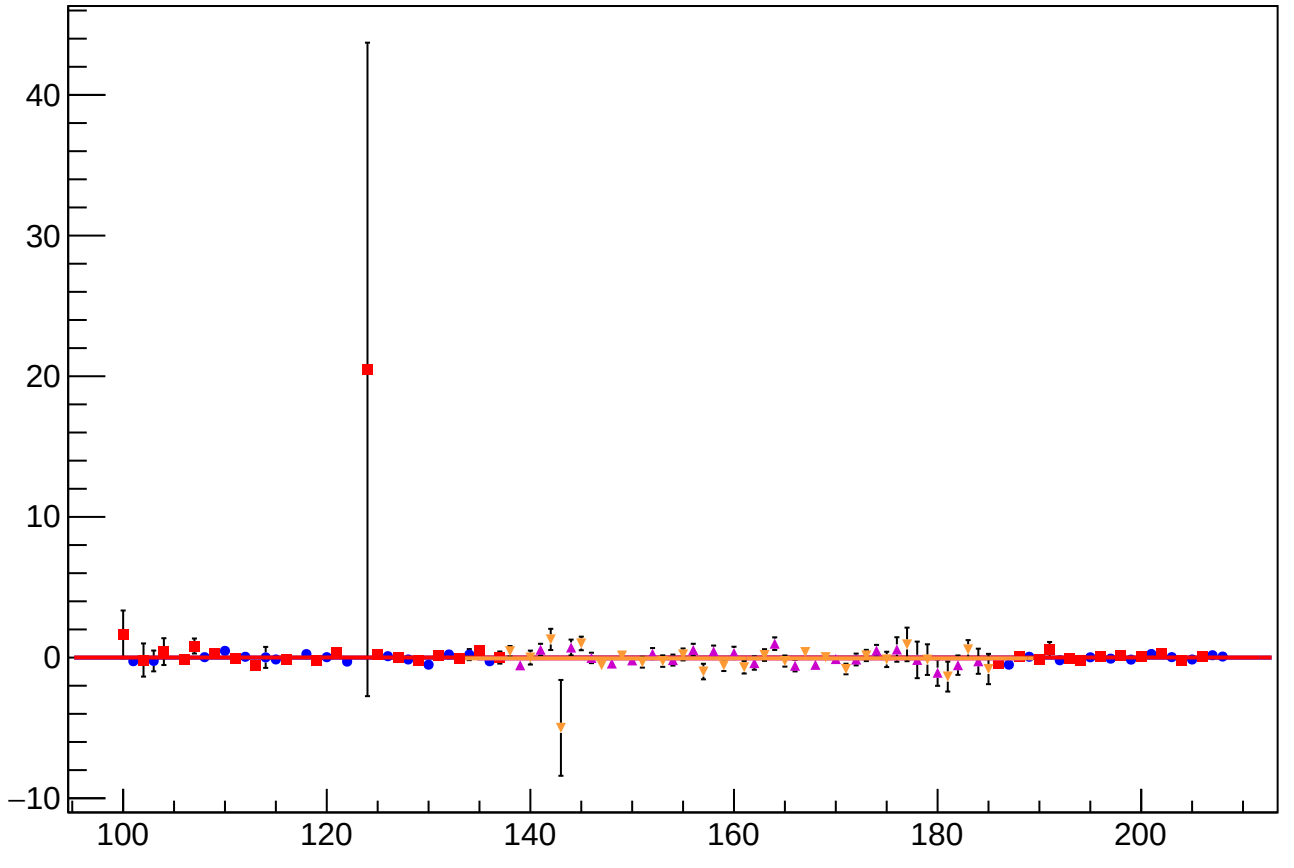
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 25522501.3/56

In: 0.007+/-0.000 χ^2/NDF:14300232.5/49

Out: 0.005+/-0.000 χ^2/NDF:28396529.5/53

All: 0.006+/-0.000 χ^2/NDF: 45672067.0/103



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

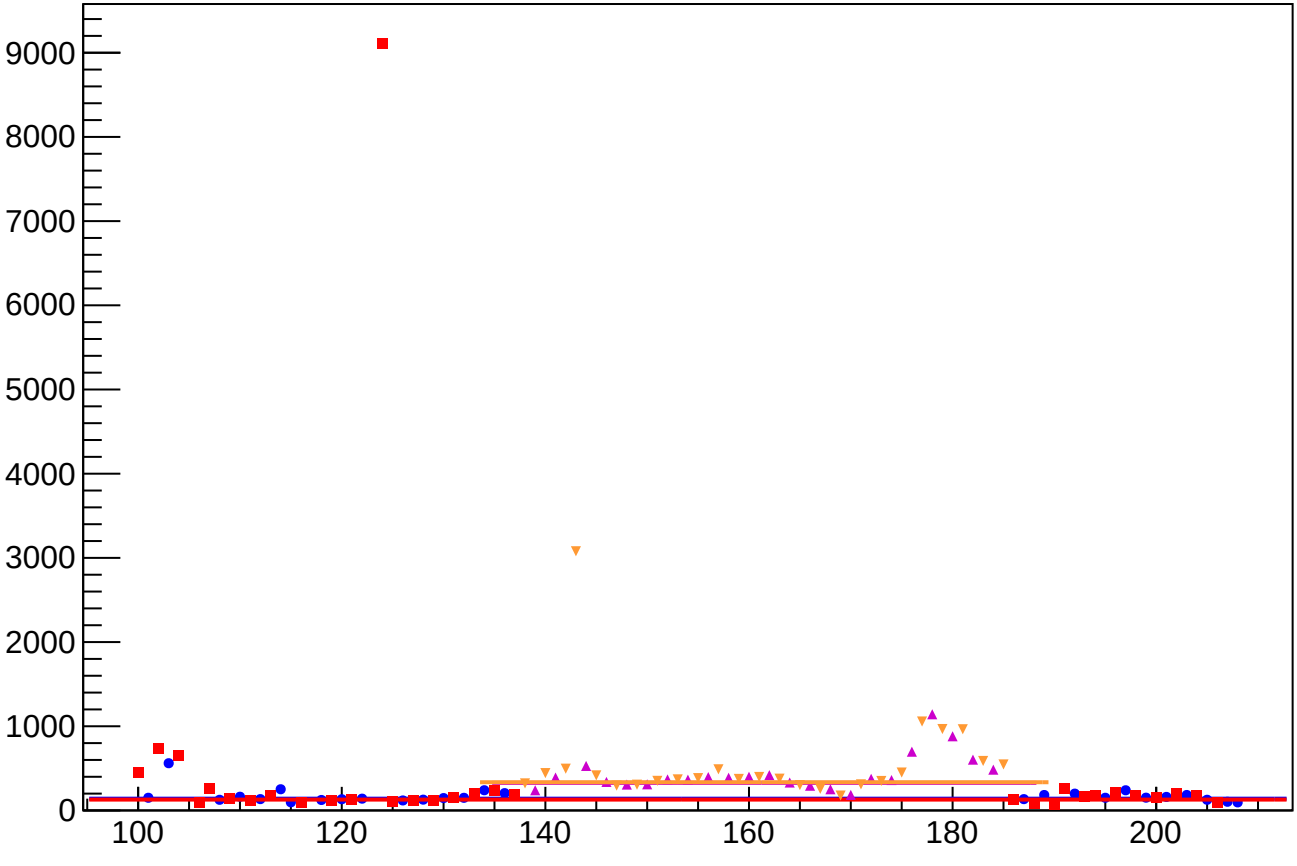
Right: 0.001+/-0.026 χ^2/NDF: 59.2/57

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.009+/-0.024 χ^2/NDF: 121.2/105

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

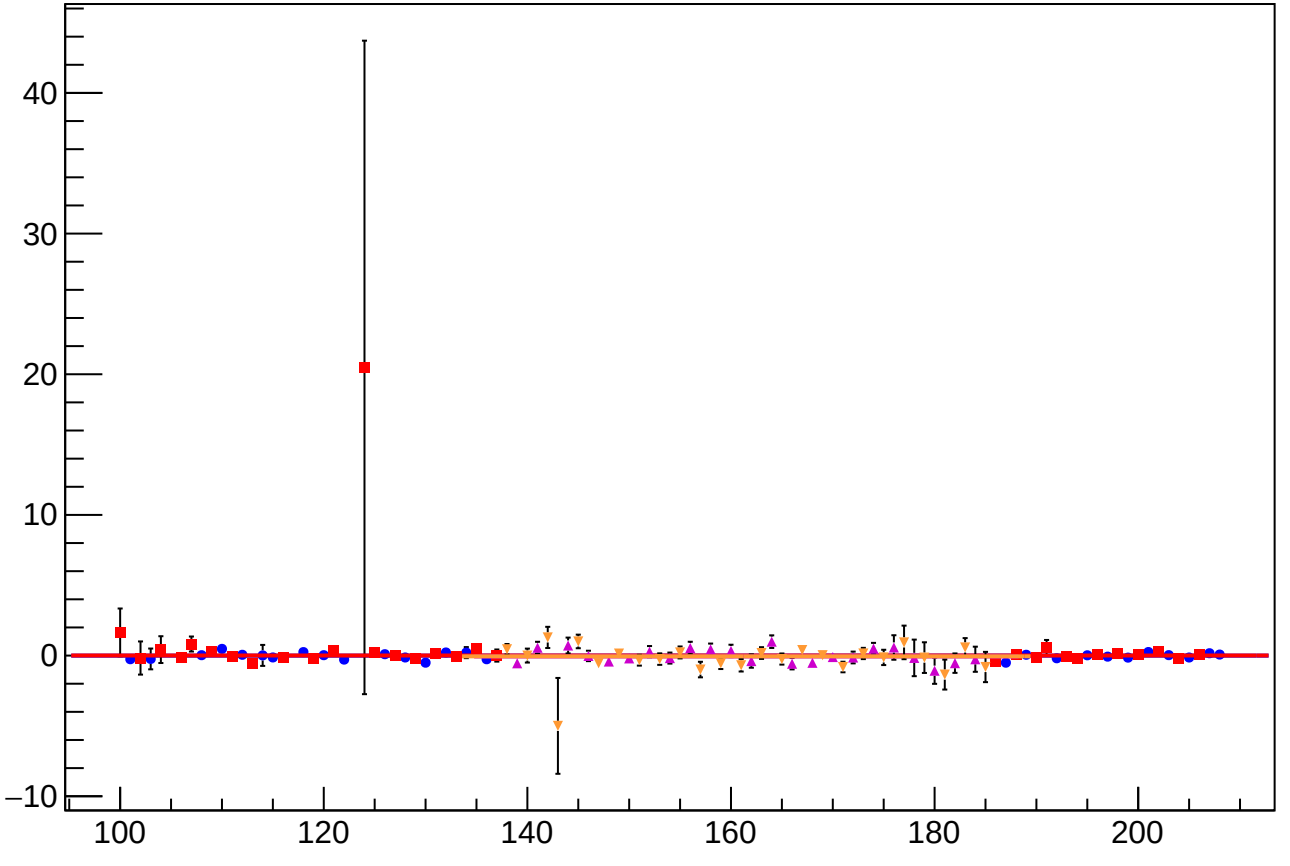
Right: 134.251+/-0.019 χ^2/NDF: 6556462.4/57

In: 173.023+/-0.025 χ^2/NDF:14901212.3/49

Out: 161.410+/-0.024 χ^2/NDF:20052531.3/55

All: 167.005+/-0.017 χ^2/NDF: 35069509.9/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.006+/-0.036 χ^2/NDF: 32.4/30

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

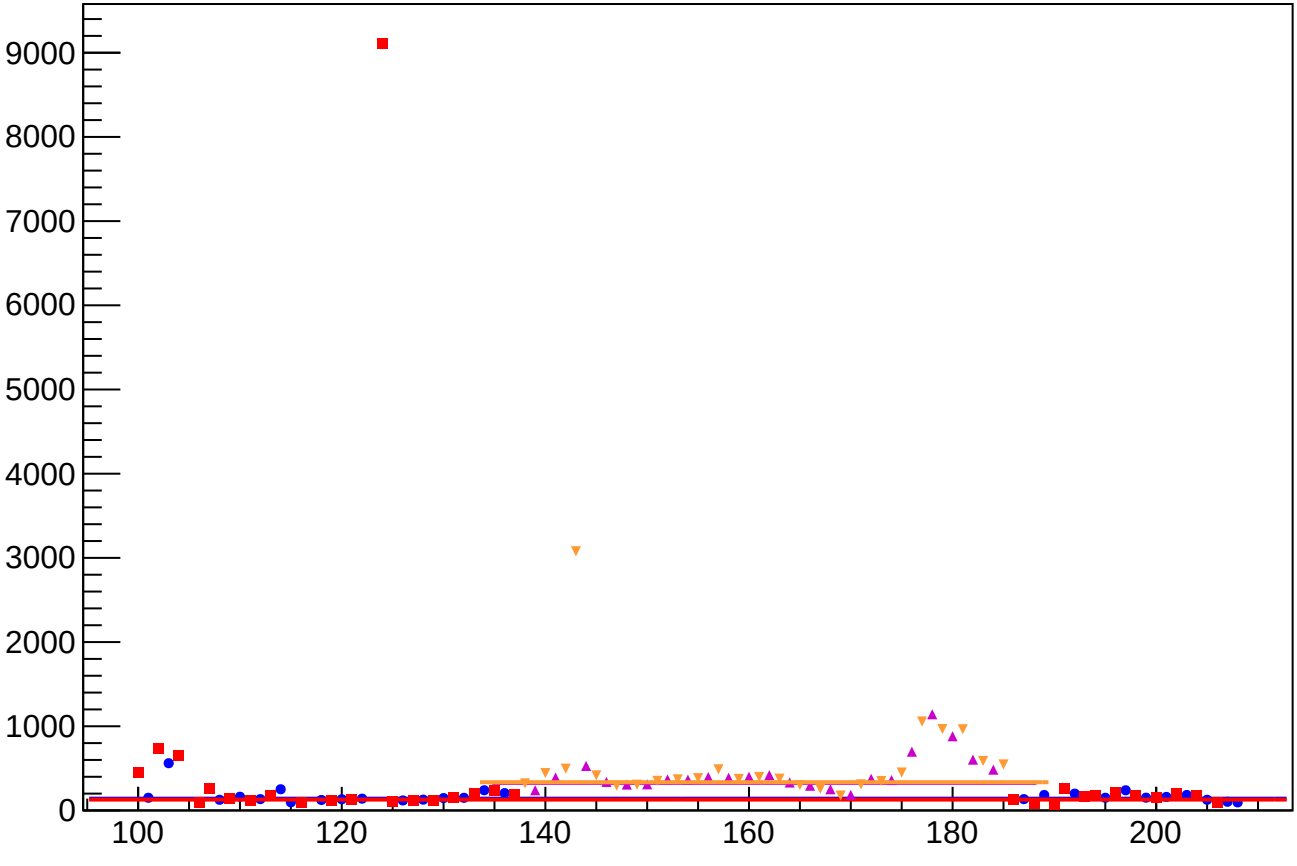
Right: 0.001+/-0.026 χ^2/NDF: 59.2/57

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.009+/-0.024 χ^2/NDF: 121.2/105

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

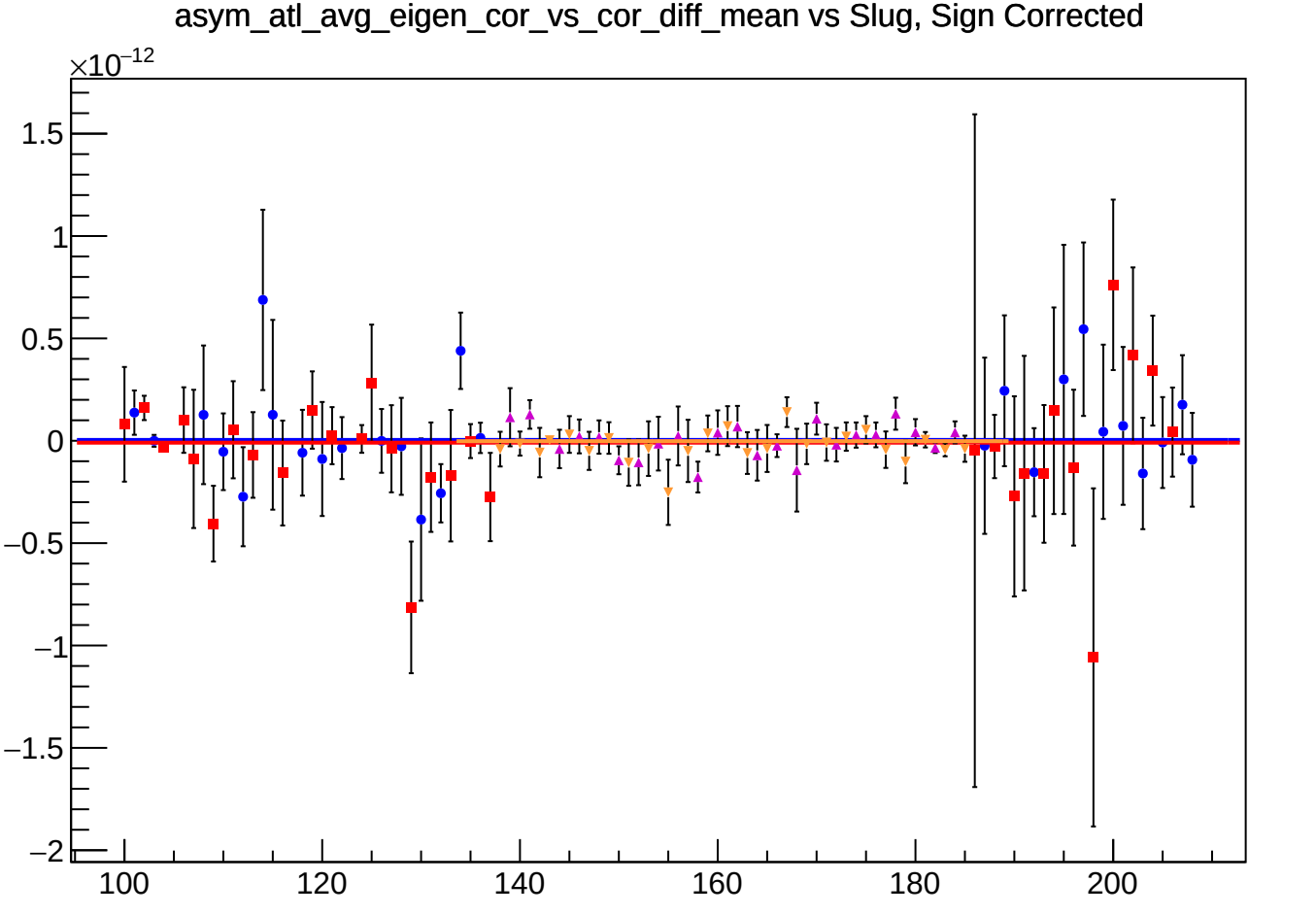
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 134.251+/-0.019 χ^2/NDF: 6556462.4/57

In: 173.023+/-0.025 χ^2/NDF:14901212.3/49

Out: 161.410+/-0.024 χ^2/NDF:20052531.3/55

All: 167.005+/-0.017 χ^2/NDF: 35069509.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/30

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

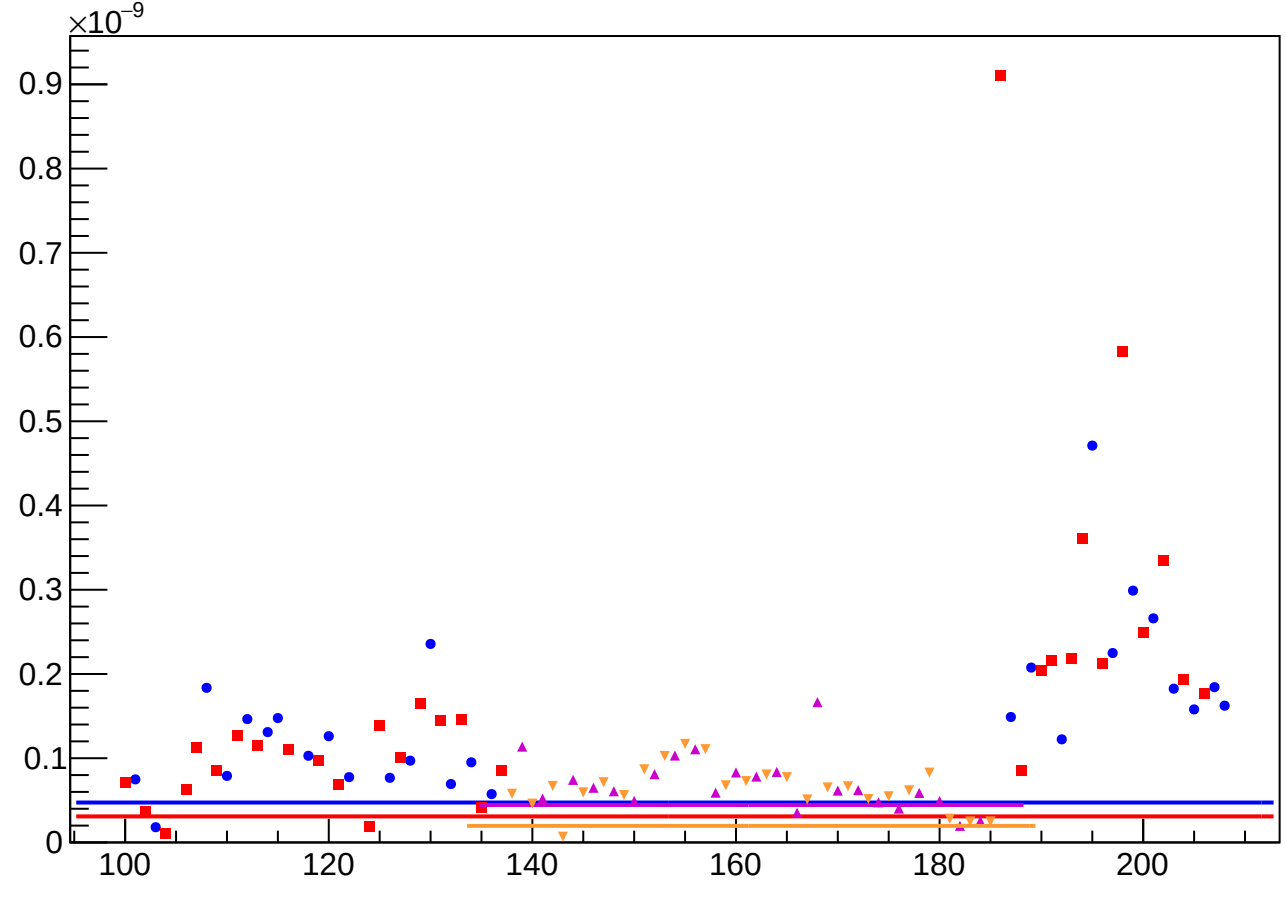
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.4/57

In: -0.000+/-0.000 χ^2/NDF:42.0/49

Out: -0.000+/-0.000 χ^2/NDF:47.5/55

All: -0.000+/-0.000 χ^2/NDF: 89.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 9654915.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12191228.4/30

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

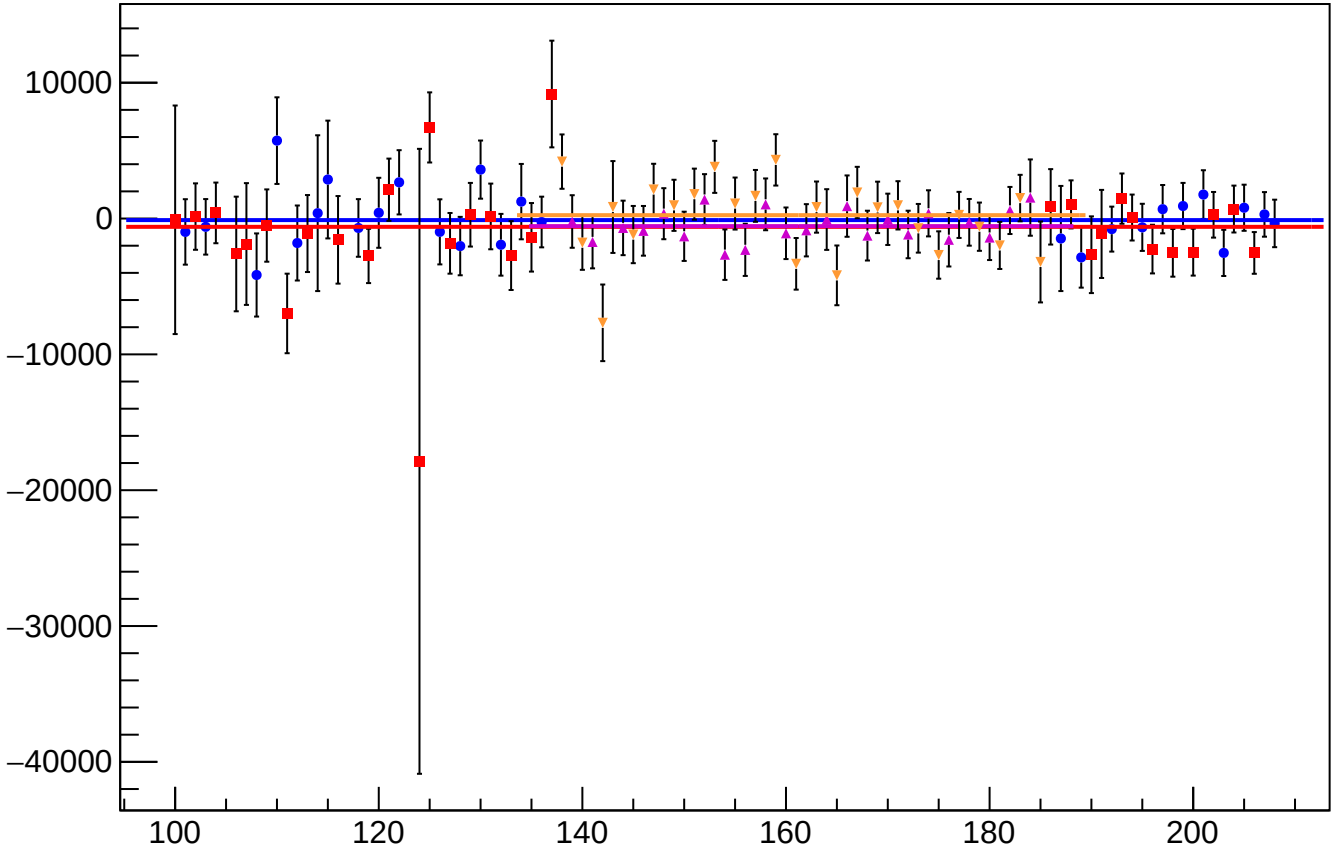
Right: 0.000+/-0.000 χ^2/NDF: 22473083.7/57

In: 0.000+/-0.000 χ^2/NDF:15598149.6/49

Out: 0.000+/-0.000 χ^2/NDF:27711421.2/55

All: 0.000+/-0.000 χ^2/NDF: 48811212.2/105

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -114.769+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -610.329+/-412.154 χ^2/NDF: 32.9/30

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

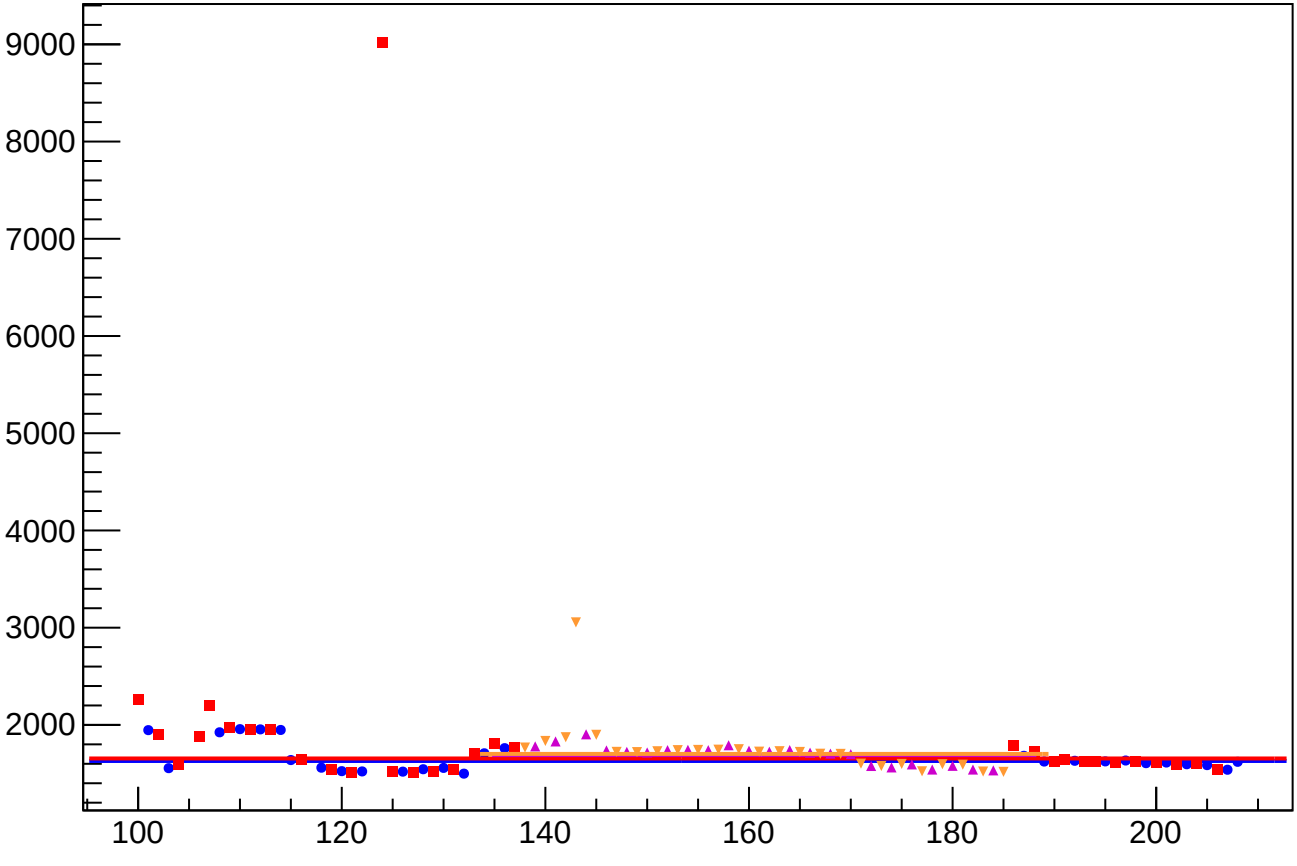
Right: -361.607+/-290.883 χ^2/NDF: 52.1/57

In: -345.932+/-284.701 χ^2/NDF:26.6/49

Out: -156.065+/-282.829 χ^2/NDF:74.8/55

All: -250.372+/-200.649 χ^2/NDF: 101.6/105

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1654.755+/-0.291 χ^2/NDF: 421663.0/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

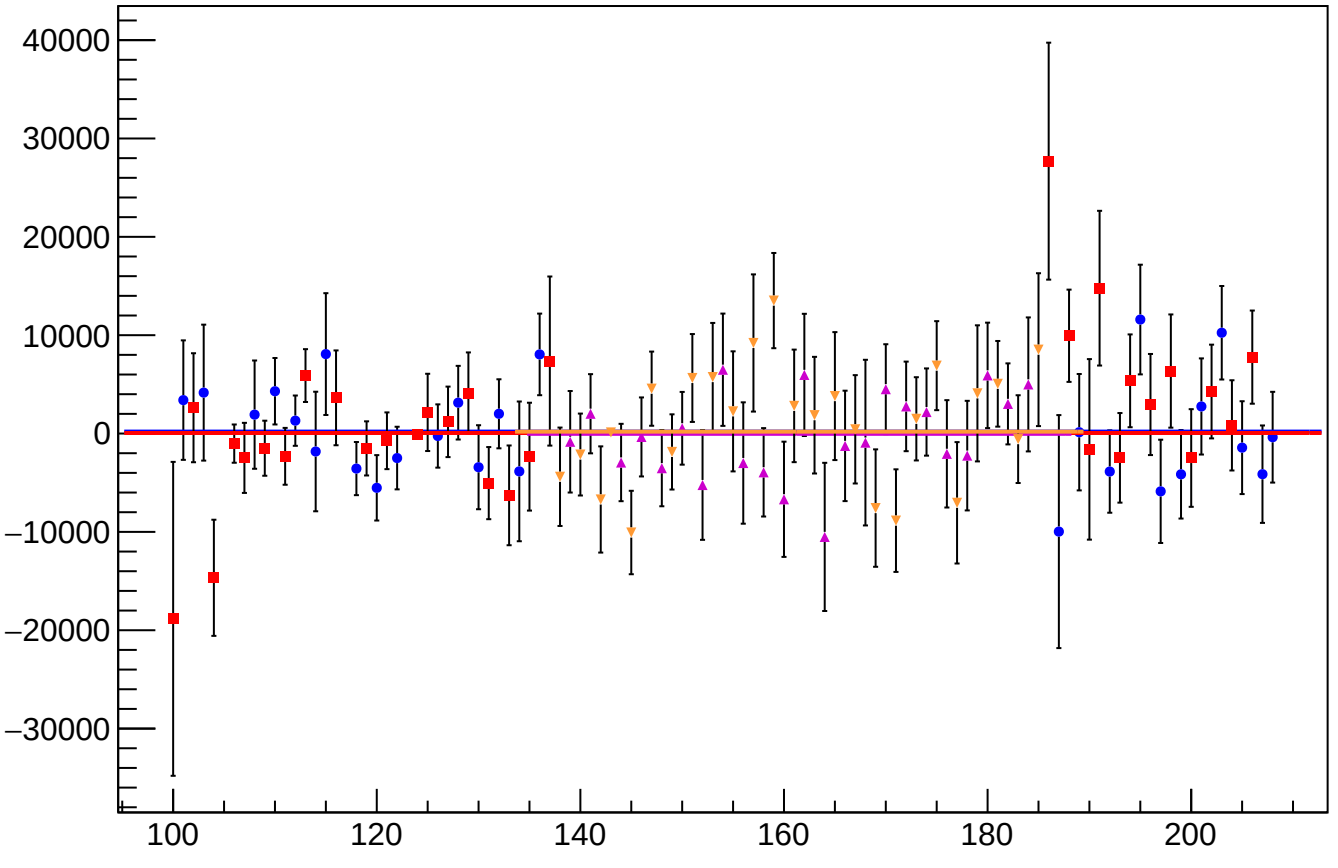
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.936+/-0.205 χ^2/NDF: 582668.3/57

In: 1660.365+/-0.201 χ^2/NDF:301690.4/49

Out: 1679.486+/-0.200 χ^2/NDF:887730.4/55

All: 1669.997+/-0.142 χ^2/NDF: 1193965.1/10



Right In: 197.619+/-813.275 χ^2/NDF: 29.0/26

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 56.438+/-316.846 χ^2/NDF: 41.2/30

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

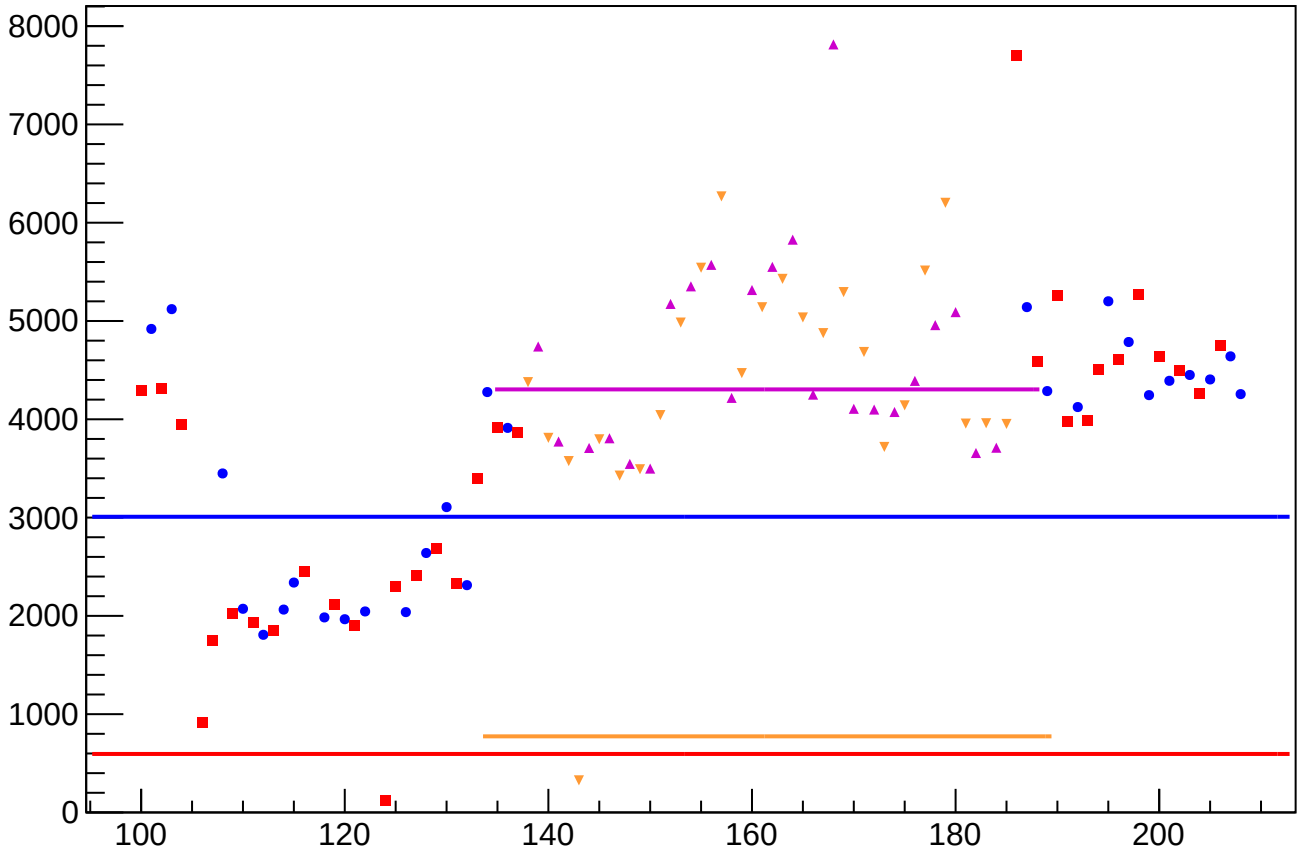
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 75.043+/-295.232 χ^2/NDF: 70.2/57

In: 110.224+/-637.210 χ^2/NDF:42.3/49

Out: 119.520+/-232.782 χ^2/NDF:75.2/55

All: 118.426+/-218.649 χ^2/NDF: 117.5/105



Right In: 3008.269+/-0.575 χ^2/NDF: 4043559.2/26

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 595.145+/-0.224 χ^2/NDF: 25194610.8/30

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

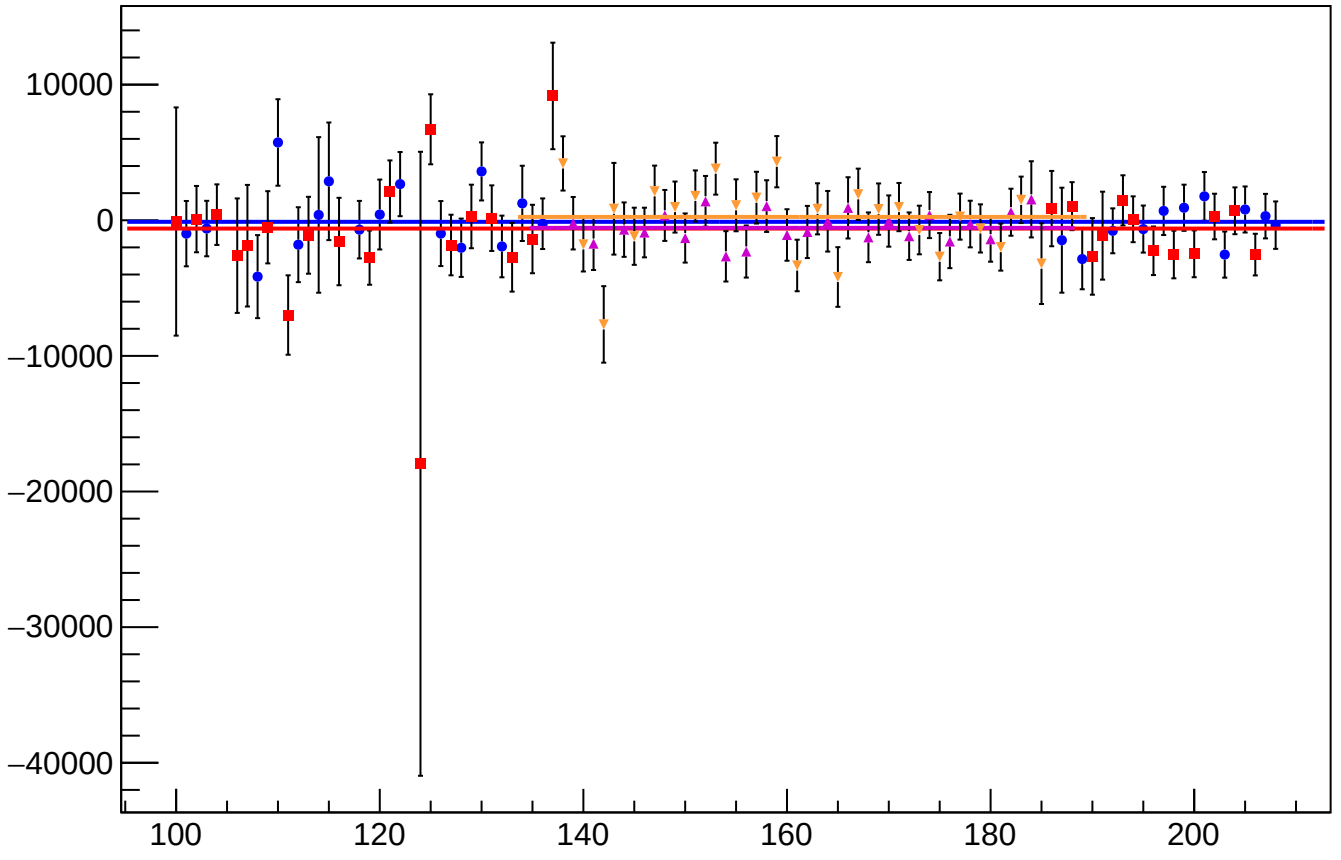
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 913.148+/-0.209 χ^2/NDF: 44525929.4/57

In: 3508.566+/-0.451 χ^2/NDF:7220334.5/49

Out: 677.567+/-0.165 χ^2/NDF:53574260.6/55

All: 1010.894+/-0.155 χ^2/NDF: 95623444.9/1



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -612.135+/-412.156 χ^2/NDF: 32.9/30

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

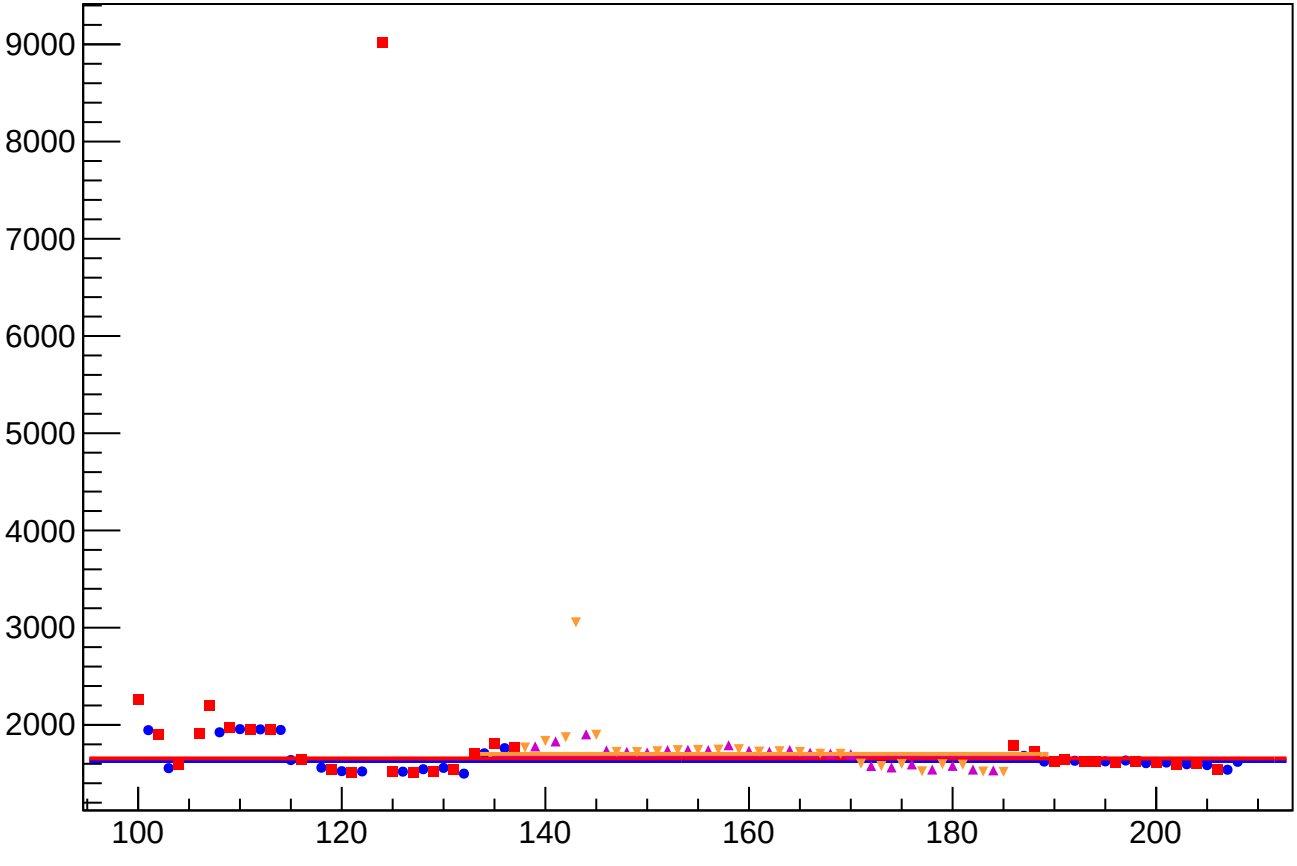
Right: -362.478+/-290.883 χ^2/NDF: 52.1/57

In: -345.888+/-284.701 χ^2/NDF:26.6/49

Out: -156.923+/-282.830 χ^2/NDF:74.8/55

All: -250.782+/-200.649 χ^2/NDF: 101.6/105

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

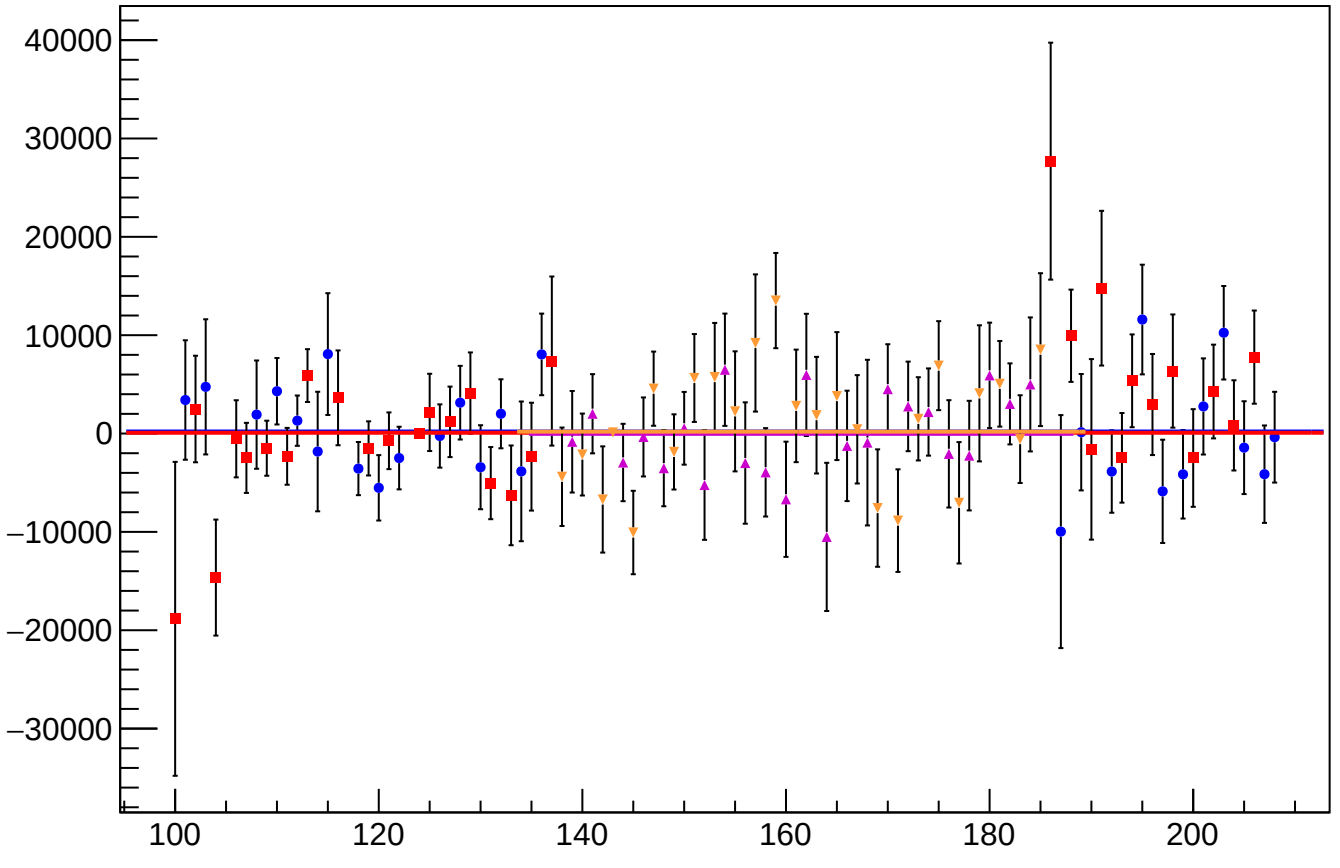
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.093+/-0.206 χ^2/NDF: 584843.2/57

In: 1660.365+/-0.201 χ^2/NDF:301690.5/49

Out: 1679.642+/-0.200 χ^2/NDF:889618.7/55

All: 1670.075+/-0.142 χ^2/NDF: 1195927.5/10



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 79.962+/-309.373 χ^2/NDF: 40.9/30

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

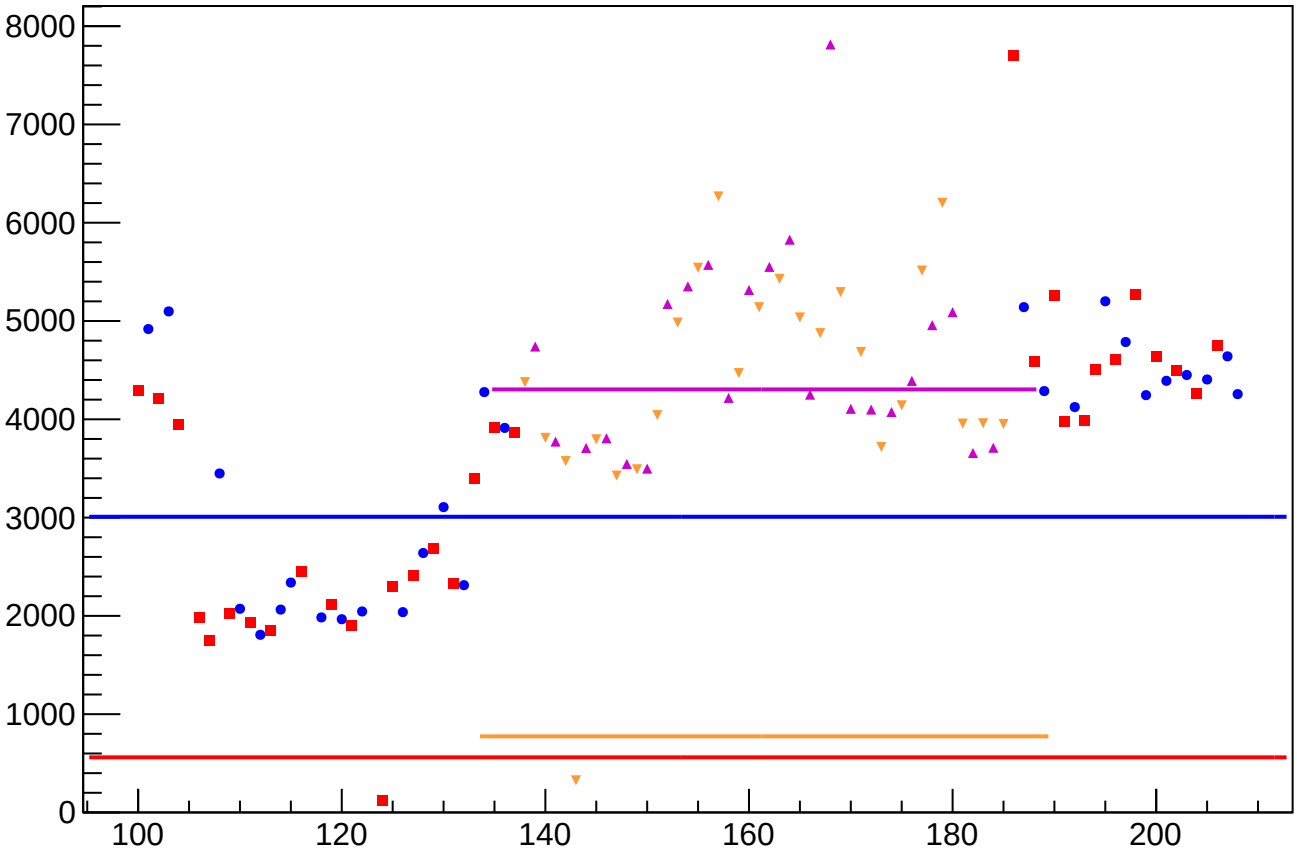
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 95.984+/-289.155 χ^2/NDF: 70.0/57

In: 115.785+/-637.176 χ^2/NDF:42.4/49

Out: 131.063+/-229.763 χ^2/NDF:74.8/55

All: 129.305+/-216.140 χ^2/NDF: 117.3/105



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

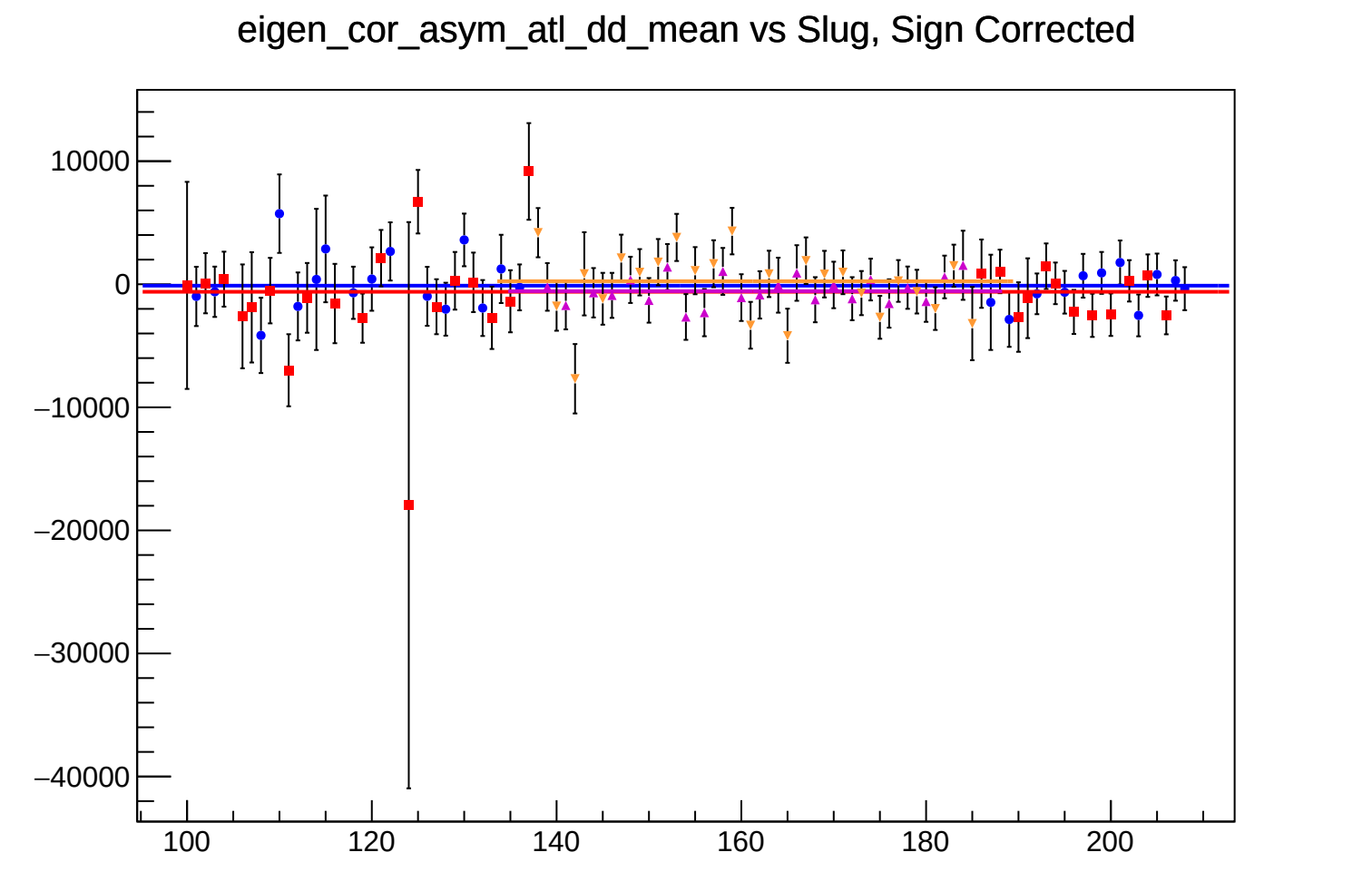
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 869.959+/-0.204 χ^2/NDF: 45624158.1/57

In: 3508.521+/-0.451 χ^2/NDF:7218470.1/49

Out: 656.291+/-0.162 χ^2/NDF:54266680.0/55

All: 984.490+/-0.153 χ^2/NDF: 96949410.9/10



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -612.135+/-412.156 χ^2/NDF: 32.9/30

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

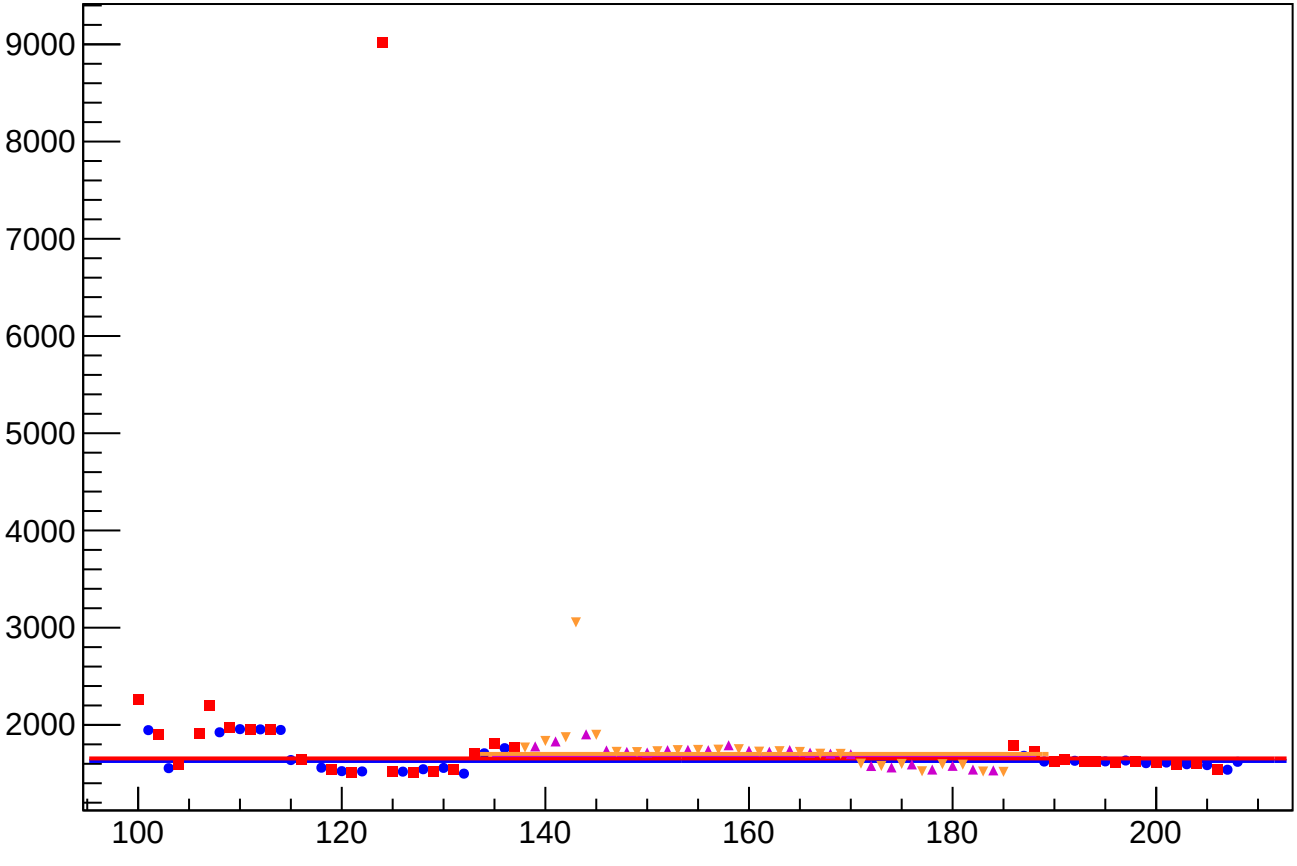
Right: -362.478+/-290.883 χ^2/NDF: 52.1/57

In: -345.888+/-284.701 χ^2/NDF:26.6/49

Out: -156.923+/-282.830 χ^2/NDF:74.8/55

All: -250.782+/-200.649 χ^2/NDF: 101.6/105

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

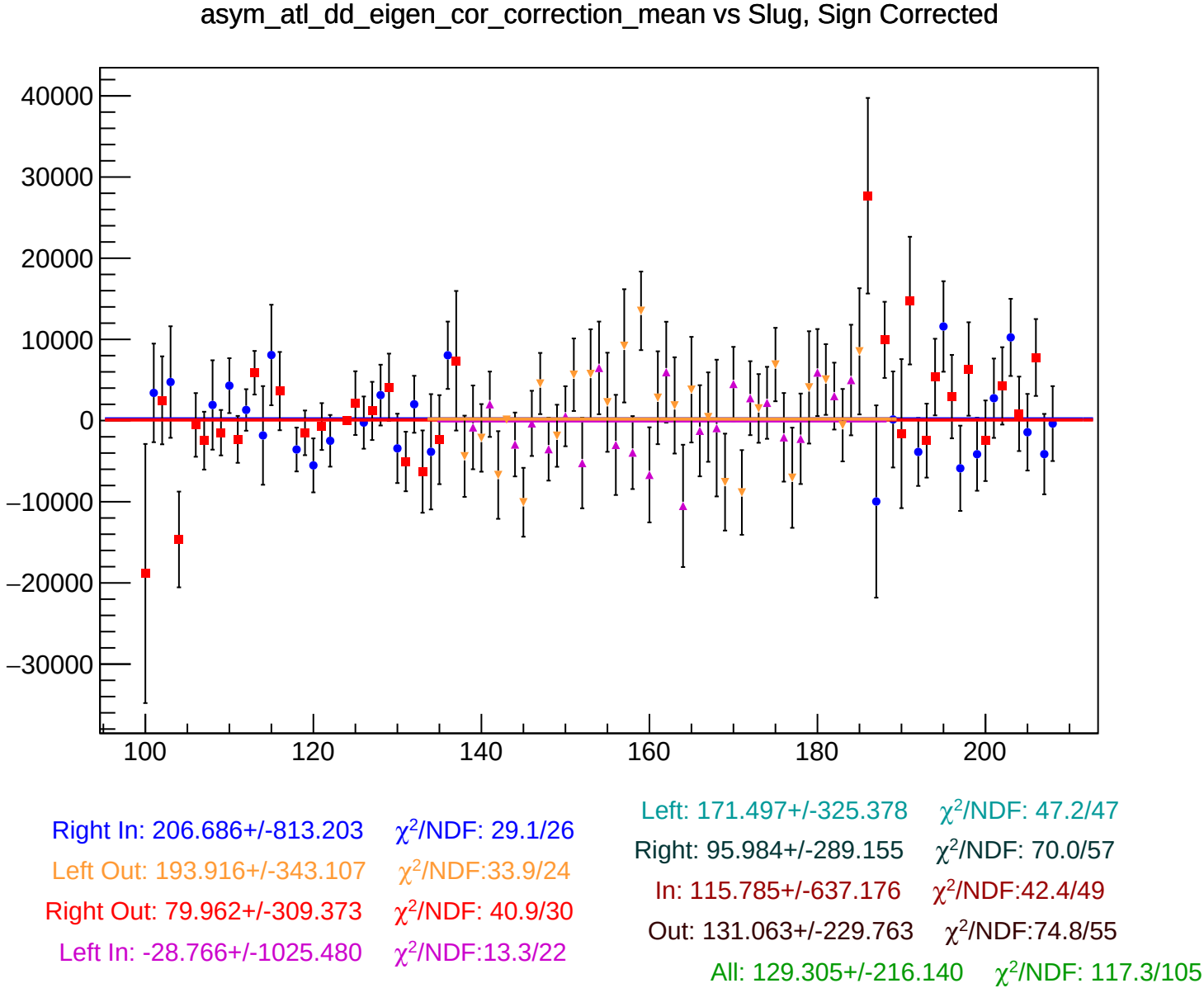
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

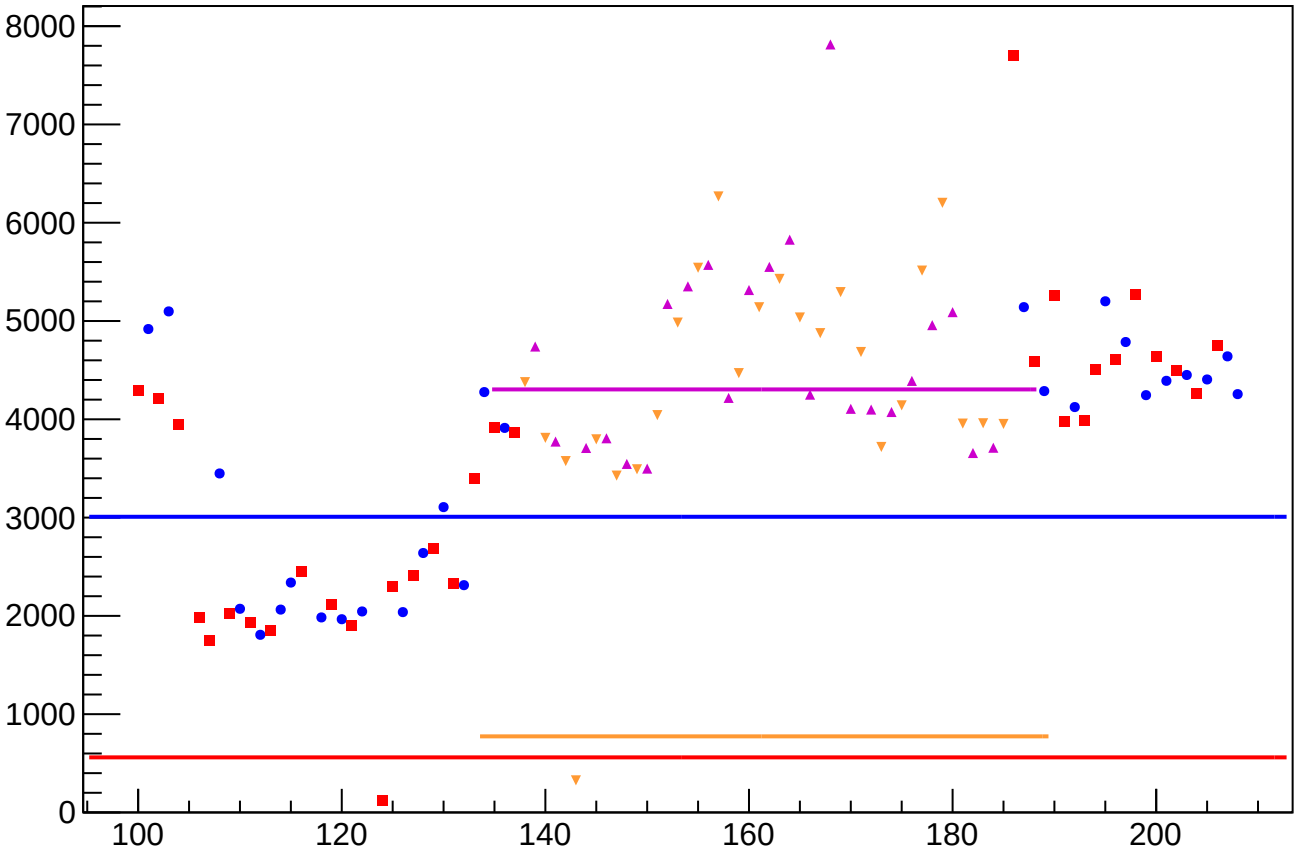
Right: 1642.093+/-0.206 χ^2/NDF: 584843.2/57

In: 1660.365+/-0.201 χ^2/NDF:301690.5/49

Out: 1679.642+/-0.200 χ^2/NDF:889618.7/55

All: 1670.075+/-0.142 χ^2/NDF: 1195927.5/10


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 206.686+/-813.203 χ²/NDF: 29.1/26
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 79.962+/-309.373 χ²/NDF: 40.9/30
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
Right: 95.984+/-289.155 χ²/NDF: 70.0/57
In: 115.785+/-637.176 χ²/NDF:42.4/49
Out: 131.063+/-229.763 χ²/NDF:74.8/55
All: 129.305+/-216.140 χ²/NDF: 117.3/105



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

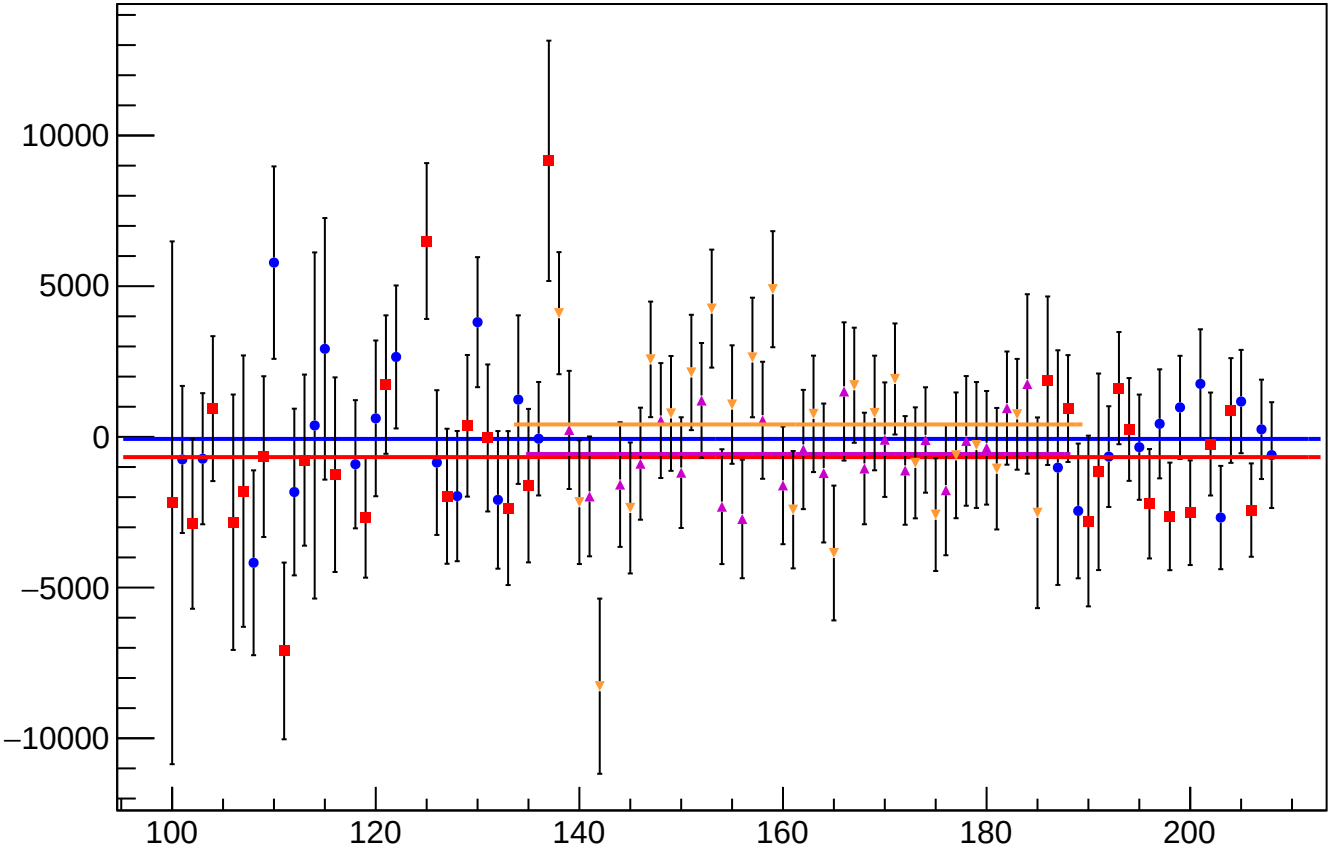
Right: 869.959+/-0.204 χ^2/NDF: 45624158.1/57

In: 3508.521+/-0.451 χ^2/NDF:7218470.1/49

Out: 656.291+/-0.162 χ^2/NDF:54266680.0/55

All: 984.490+/-0.153 χ^2/NDF: 96949410.9/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -67.726+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -671.149+/-417.440 χ^2/NDF: 32.5/29

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

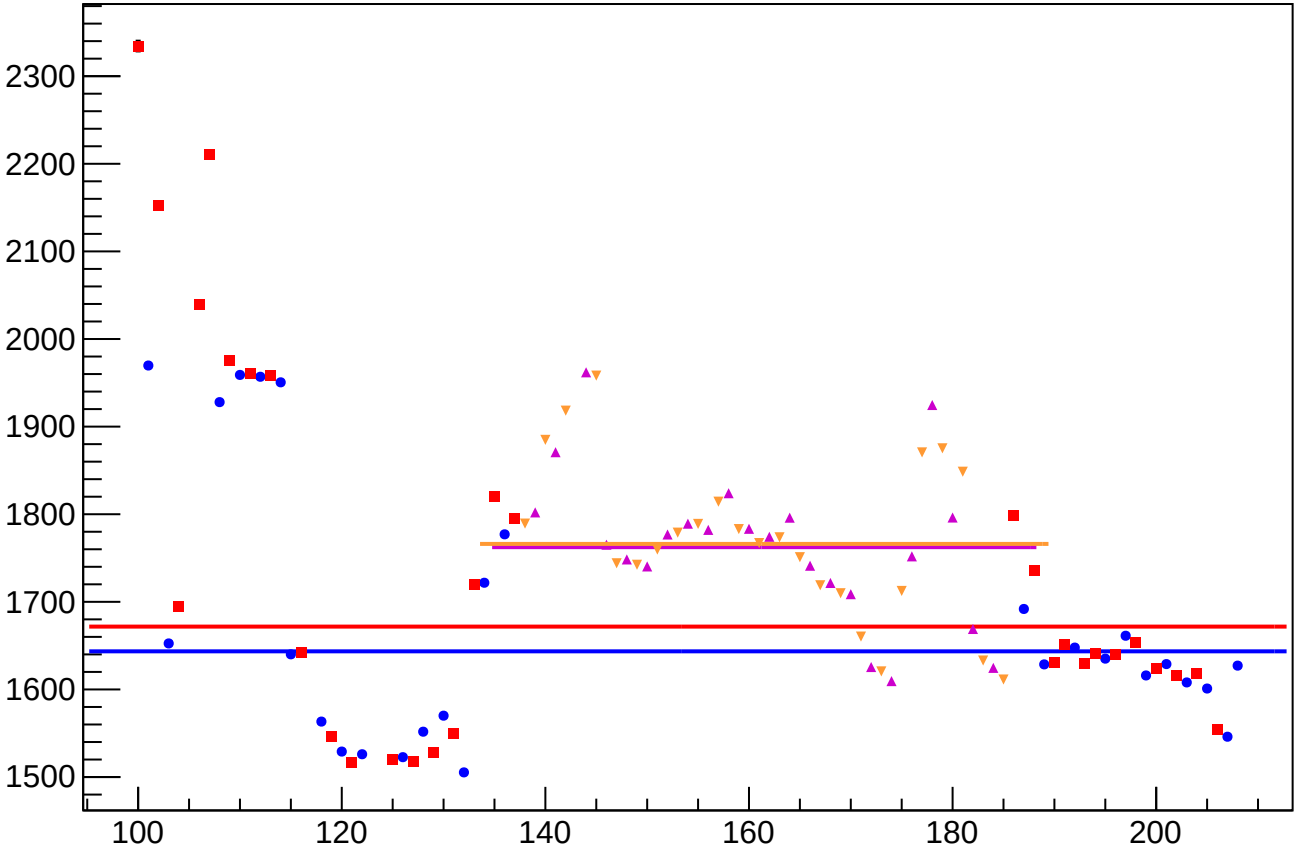
Right: -367.113+/-294.035 χ^2/NDF: 52.2/56

In: -319.599+/-292.134 χ^2/NDF:27.1/49

Out: -119.878+/-292.703 χ^2/NDF:76.0/53

All: -219.933+/-206.771 χ^2/NDF: 103.3/103

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.9/26

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1671.736+/-0.295 χ^2/NDF: 264663.3/29

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

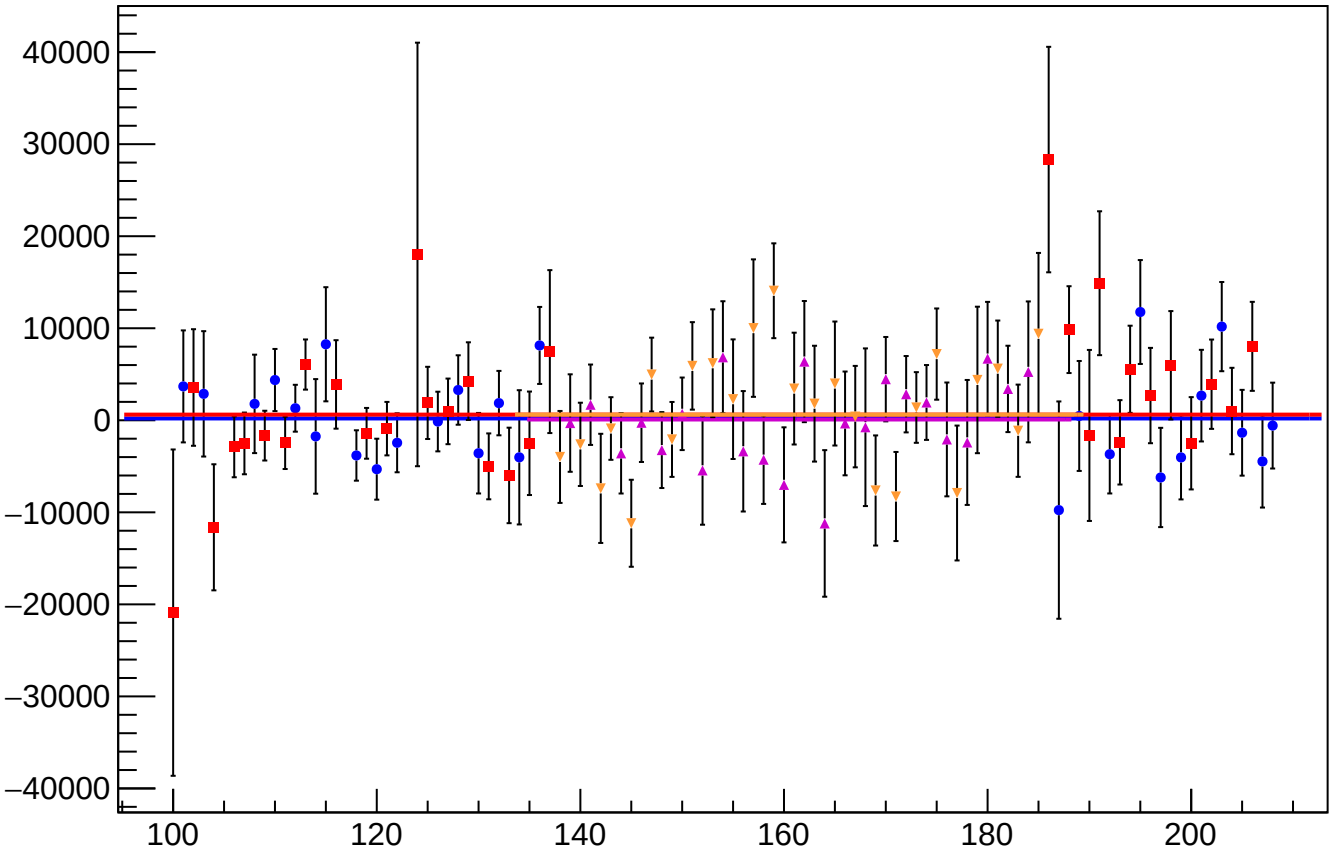
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1657.526+/-0.208 χ^2/NDF: 425351.3/56

In: 1703.270+/-0.207 χ^2/NDF:318988.7/49

Out: 1719.667+/-0.207 χ^2/NDF:399935.8/53

All: 1711.456+/-0.146 χ^2/NDF: 722070.2/103



Right In: 198.079+/-818.323 χ^2/NDF: 28.8/26

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 615.261+/-769.684 χ^2/NDF: 38.5/30

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

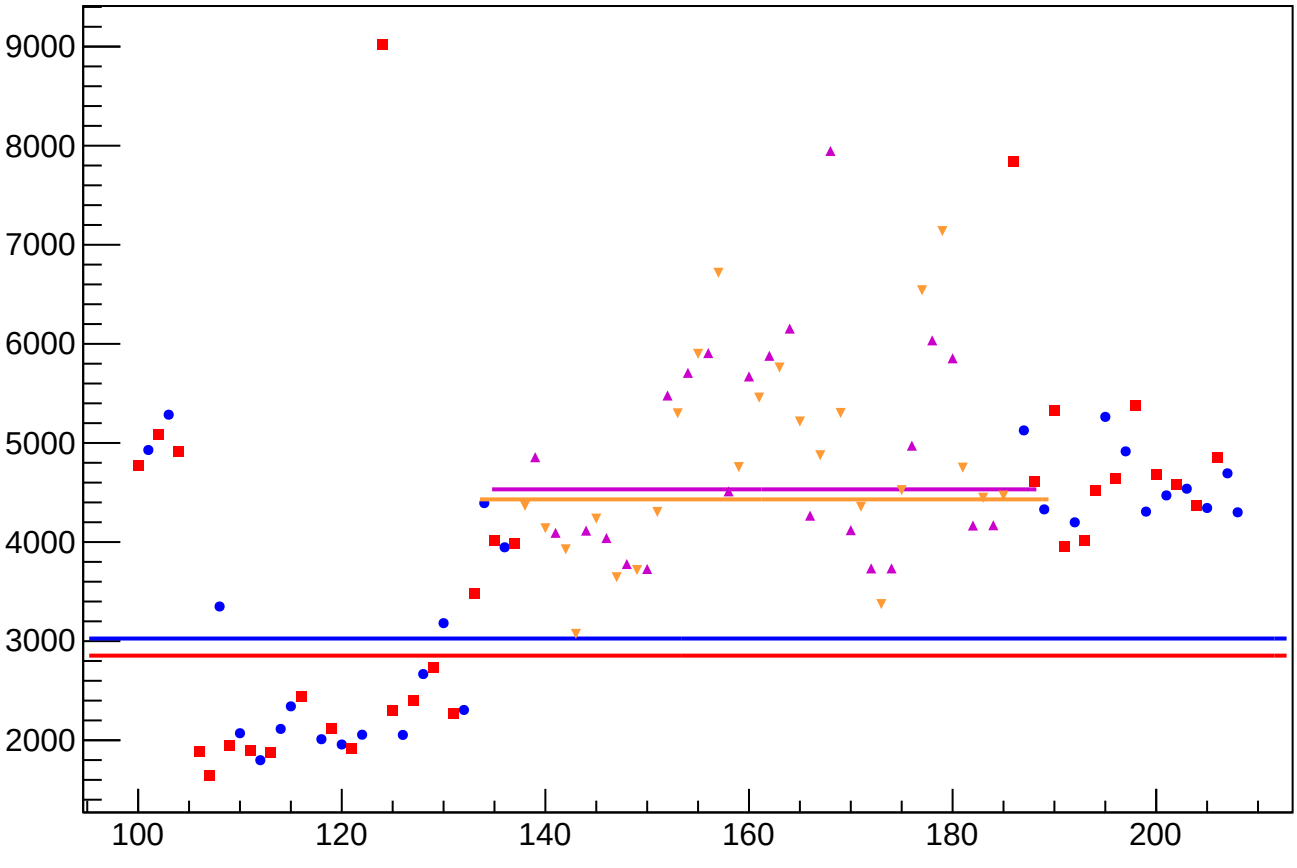
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 419.436+/-560.655 χ^2/NDF: 67.4/57

In: 157.144+/-652.789 χ^2/NDF:41.7/49

Out: 616.827+/-617.550 χ^2/NDF:71.6/55

All: 399.727+/-448.614 χ^2/NDF: 113.5/105



Right In: 3026.488+/-0.579 χ^2/NDF: 4155367.4/26

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2853.912+/-0.544 χ^2/NDF: 5216667.5/30

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

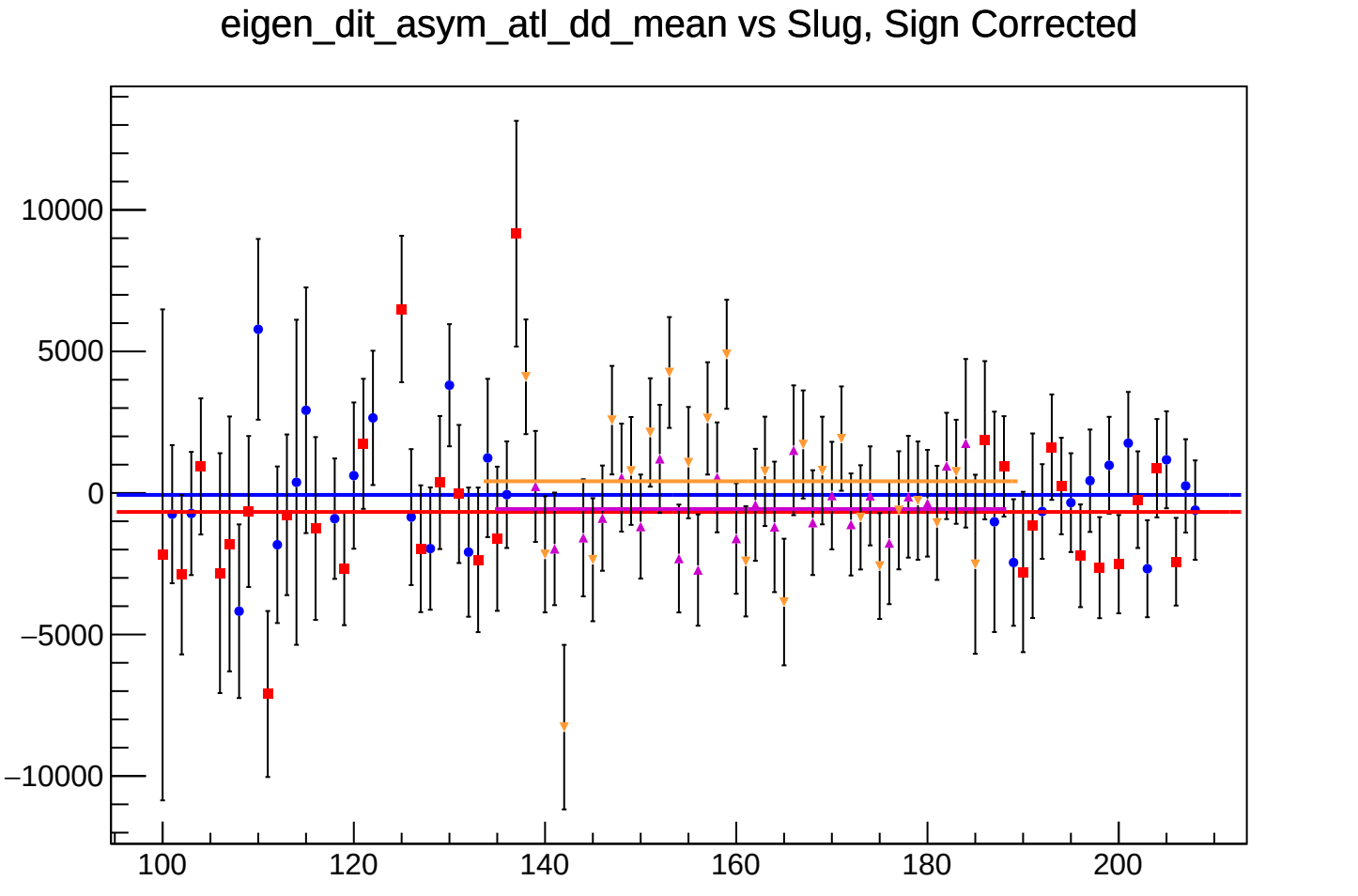
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2934.919+/-0.396 χ^2/NDF: 9419231.1/57

In: 3573.947+/-0.462 χ^2/NDF:7993340.1/49

Out: 3415.672+/-0.437 χ^2/NDF:9820521.5/55

All: 3490.422+/-0.317 χ^2/NDF: 17875907.3/1



Right In: -67.728+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -671.147+/-417.440 χ^2/NDF: 32.5/29

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

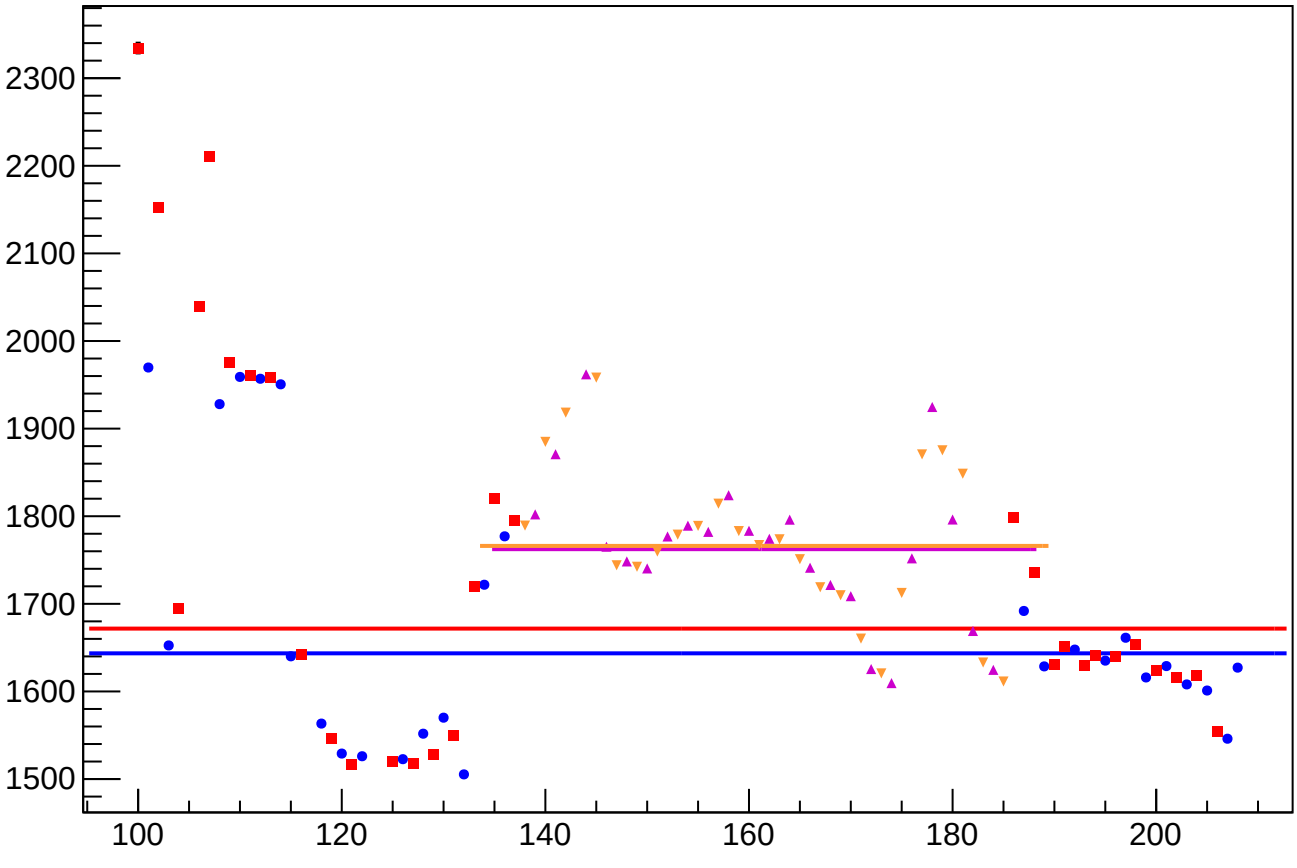
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -367.113+/-294.035 χ^2/NDF: 52.2/56

In: -319.599+/-292.134 χ^2/NDF:27.1/49

Out: -119.876+/-292.703 χ^2/NDF:76.0/53

All: -219.932+/-206.771 χ^2/NDF: 103.3/103



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.8/26

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1671.737+/-0.295 χ^2/NDF: 264662.0/29

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

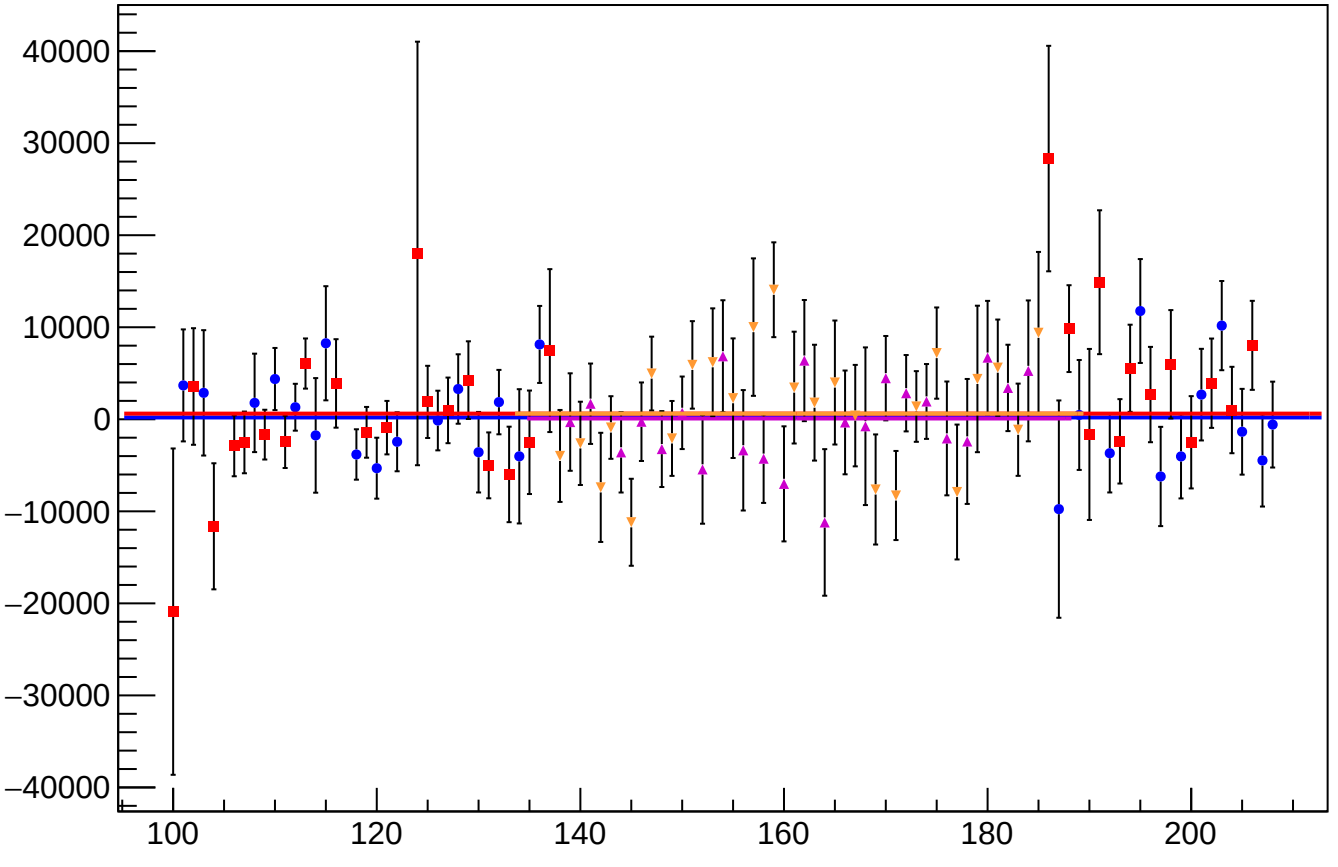
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1657.526+/-0.208 χ^2/NDF: 425350.0/56

In: 1703.271+/-0.207 χ^2/NDF:318992.6/49

Out: 1719.667+/-0.207 χ^2/NDF:399938.3/53

All: 1711.457+/-0.146 χ^2/NDF: 722076.6/103



Right In: 198.074+/-818.321 χ^2/NDF: 28.8/26

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 615.253+/-769.682 χ^2/NDF: 38.5/30

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

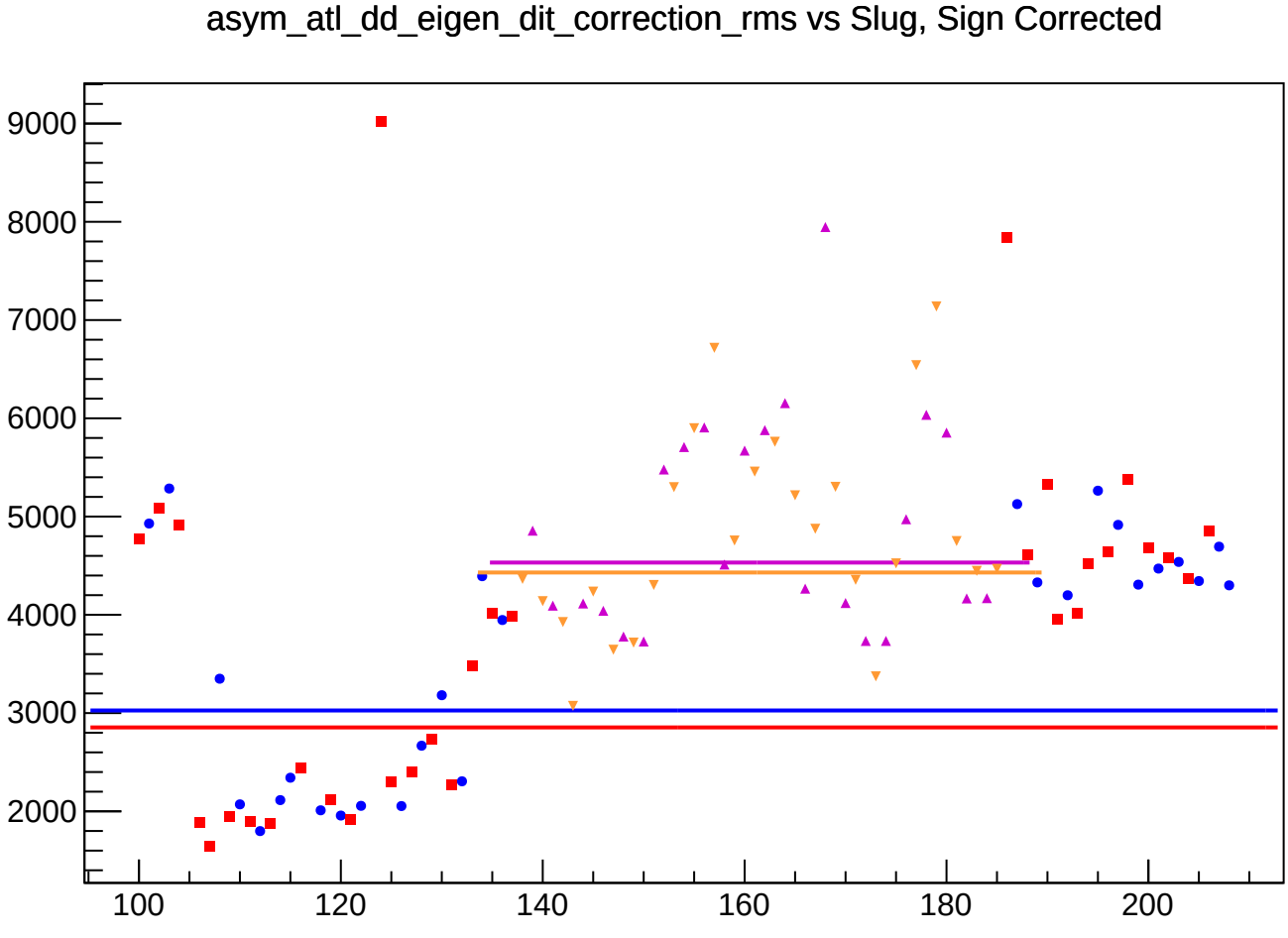
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 419.430+/-560.654 χ^2/NDF: 67.4/57

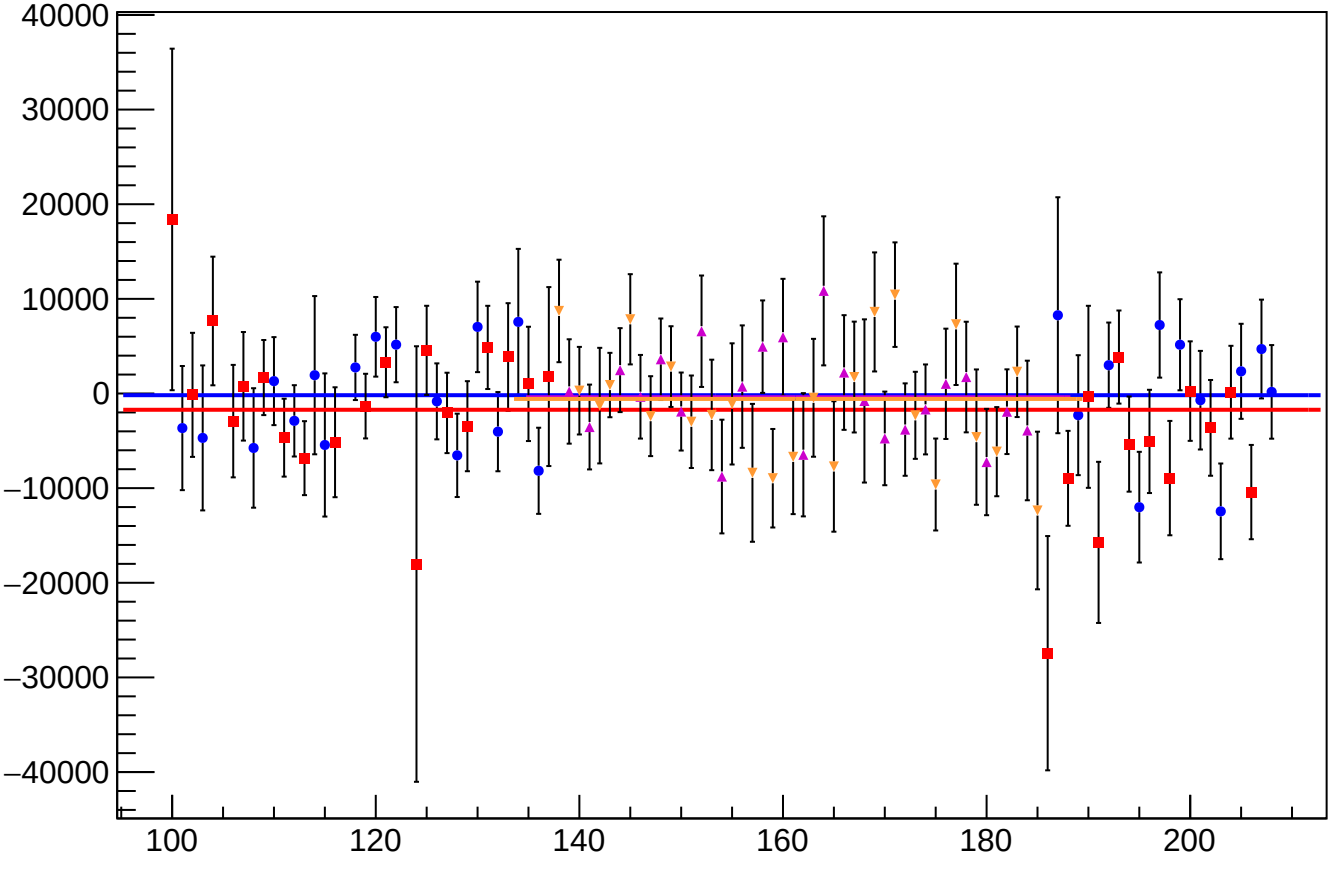
In: 157.141+/-652.788 χ^2/NDF:41.7/49

Out: 616.824+/-617.549 χ^2/NDF:71.6/55

All: 399.724+/-448.614 χ^2/NDF: 113.5/105


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3026.478+/-0.579 χ²/NDF: 4155429.3/26
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2853.903+/-0.544 χ²/NDF: 5216720.2/30
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2934.910+/-0.396 χ²/NDF: 9419345.3/57
In: 3573.940+/-0.462 χ²/NDF:7993458.7/49
Out: 3415.666+/-0.437 χ²/NDF:9820635.3/55
All: 3490.416+/-0.317 χ²/NDF: 17876139.5/

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -179.064+/-963.964 χ^2/NDF: 31.8/26

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1719.642+/-944.411 χ^2/NDF: 30.8/30

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

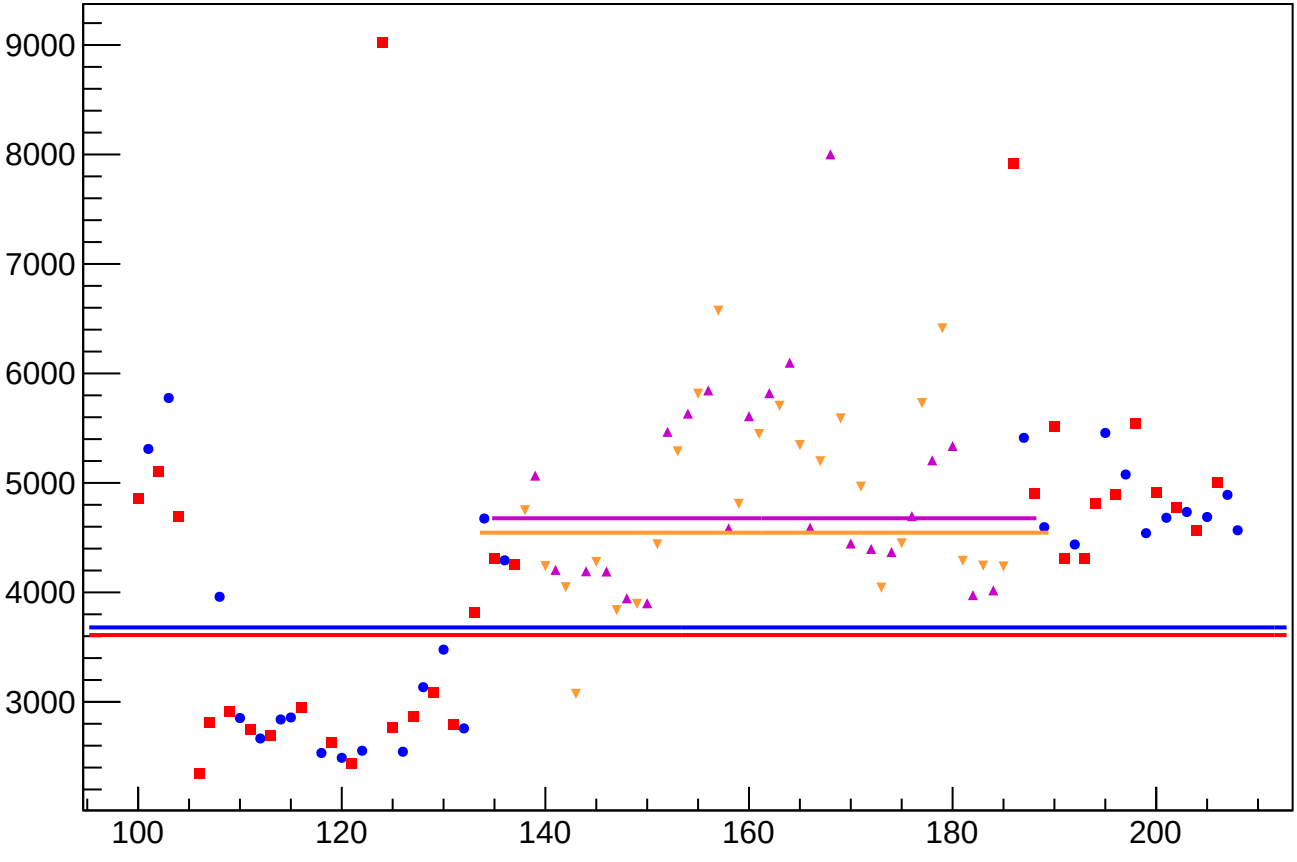
Right: -965.136+/-674.606 χ^2/NDF: 63.9/57

In: -273.415+/-727.675 χ^2/NDF:45.8/49

Out: -1209.515+/-703.612 χ^2/NDF:60.2/55

All: -757.199+/-505.822 χ^2/NDF: 106.9/105

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3680.066+/-0.682 χ^2/NDF: 2358392.3/26

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3610.424+/-0.662 χ^2/NDF: 2778712.7/30

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

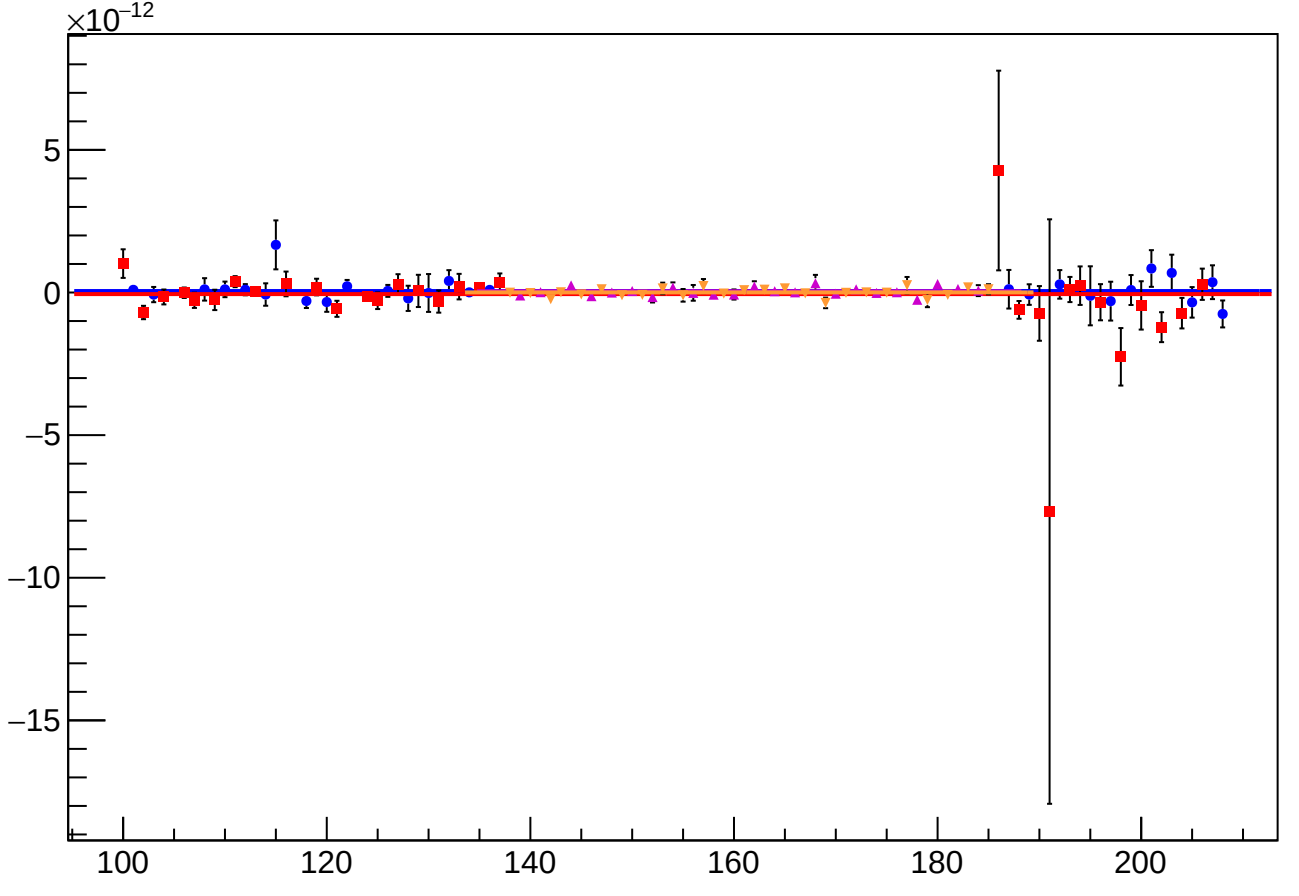
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3644.213+/-0.475 χ^2/NDF: 5142479.0/57

In: 4108.926+/-0.515 χ^2/NDF:4238544.1/49

Out: 4022.248+/-0.495 χ^2/NDF:4916685.7/55

All: 4063.910+/-0.357 χ^2/NDF: 9169967.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

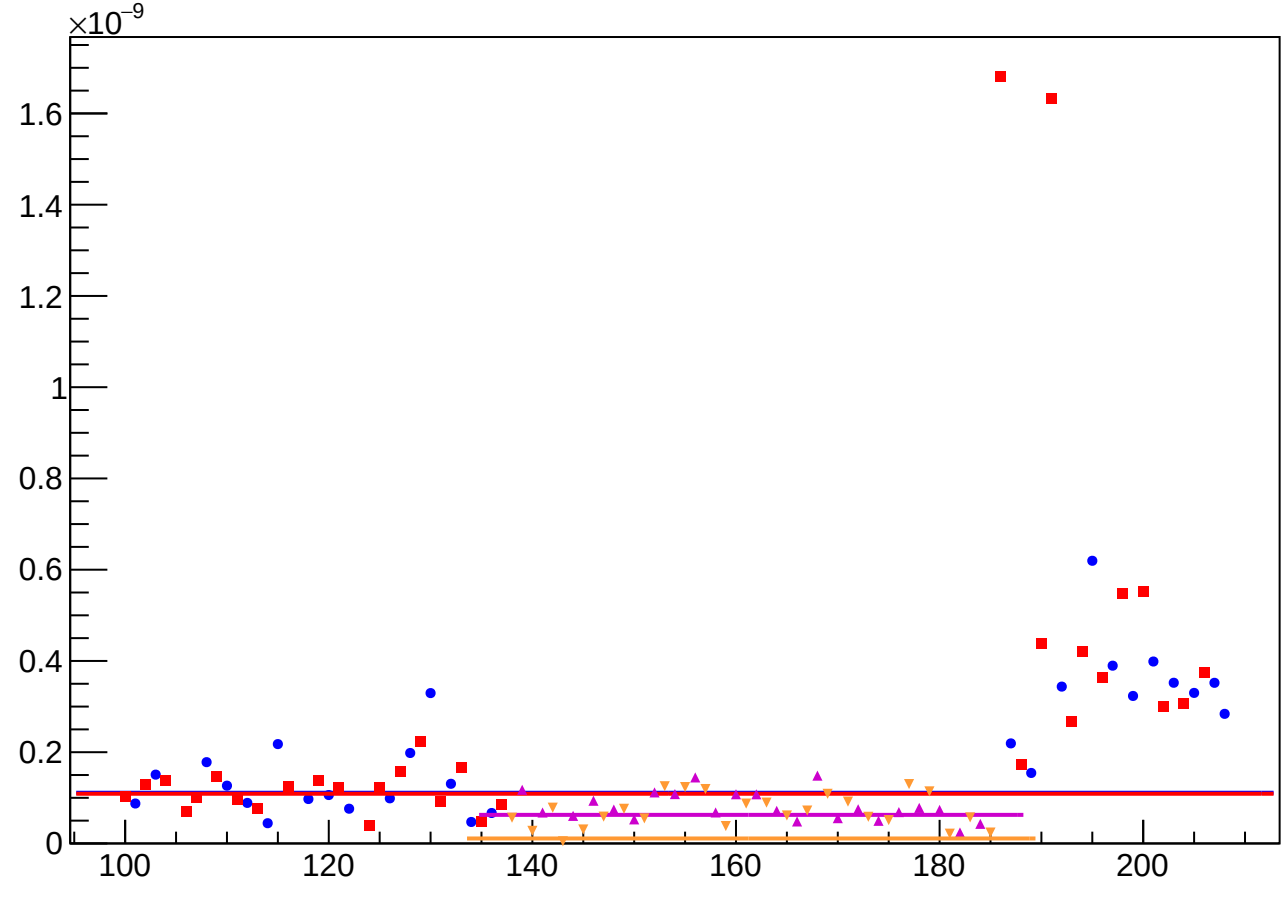
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 66.9/57

In: 0.000+/-0.000 χ^2/NDF:36.8/49

Out: 0.000+/-0.000 χ^2/NDF:68.1/55

All: 0.000+/-0.000 χ^2/NDF: 107.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 4523057.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5001566.7/30

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

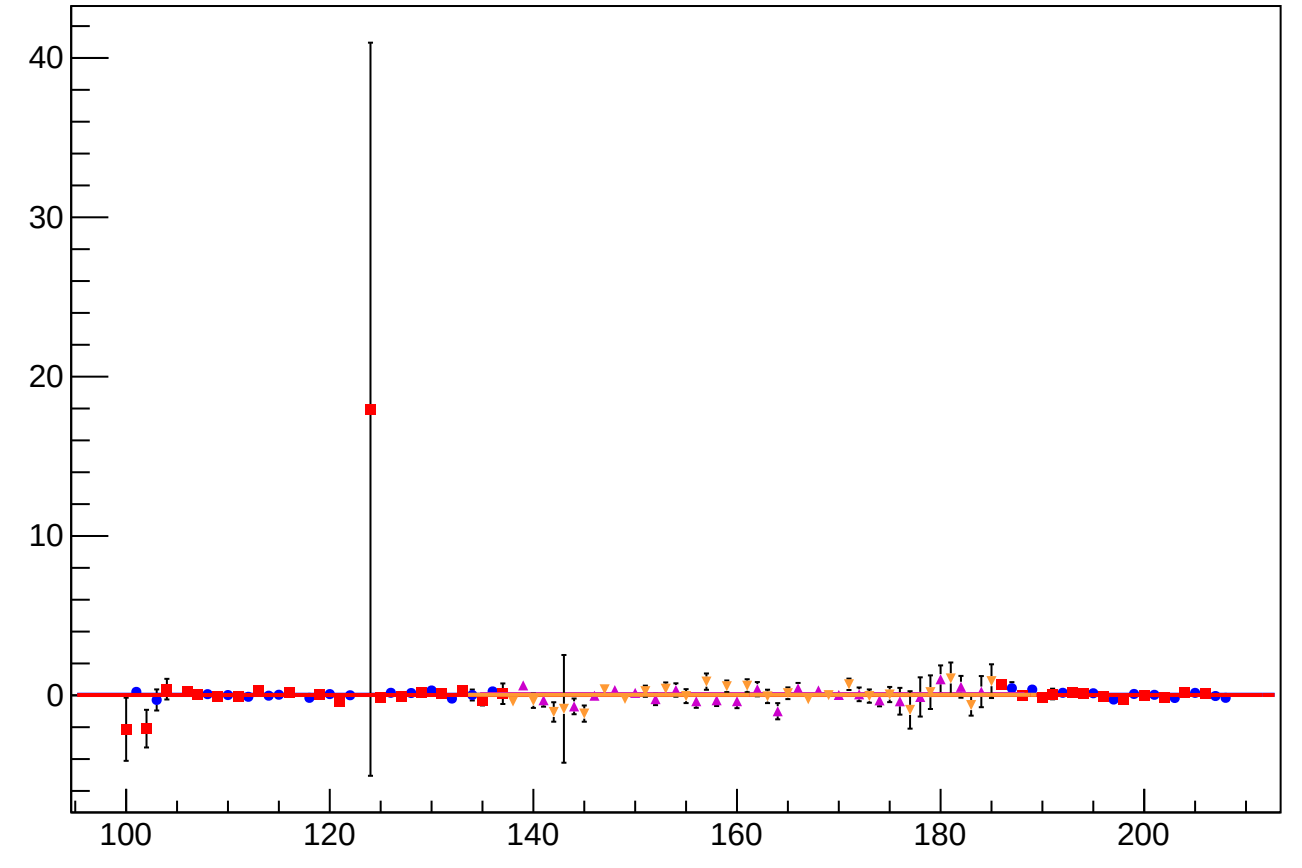
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9526333.1/57

In: 0.000+/-0.000 χ^2/NDF:7944168.9/49

Out: 0.000+/-0.000 χ^2/NDF:21380846.8/55

All: 0.000+/-0.000 χ^2/NDF: 40511564.4/105



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

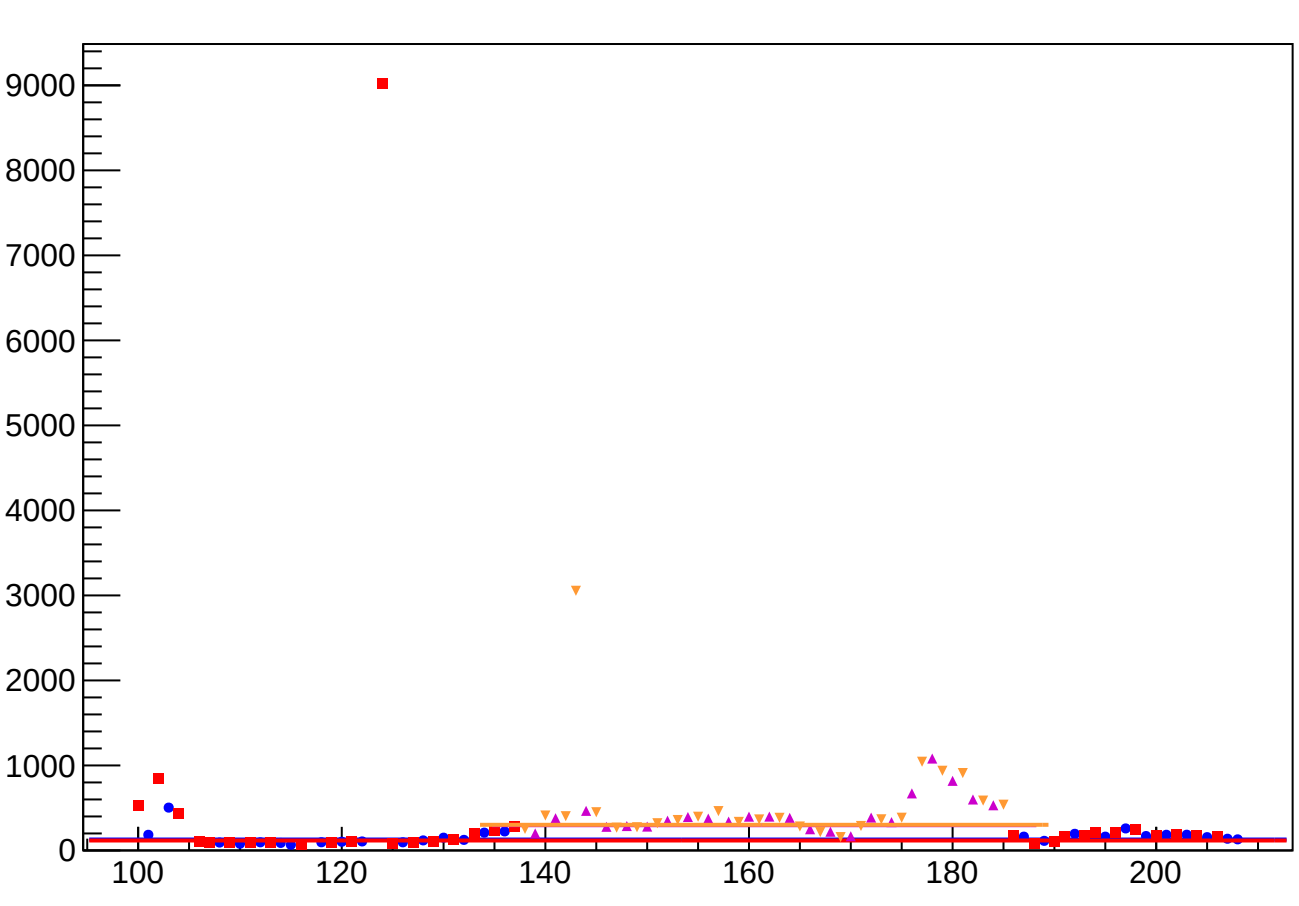
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.028+/-0.024 χ^2/NDF: 52.4/57

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.033+/-0.022 χ^2/NDF: 106.6/105



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

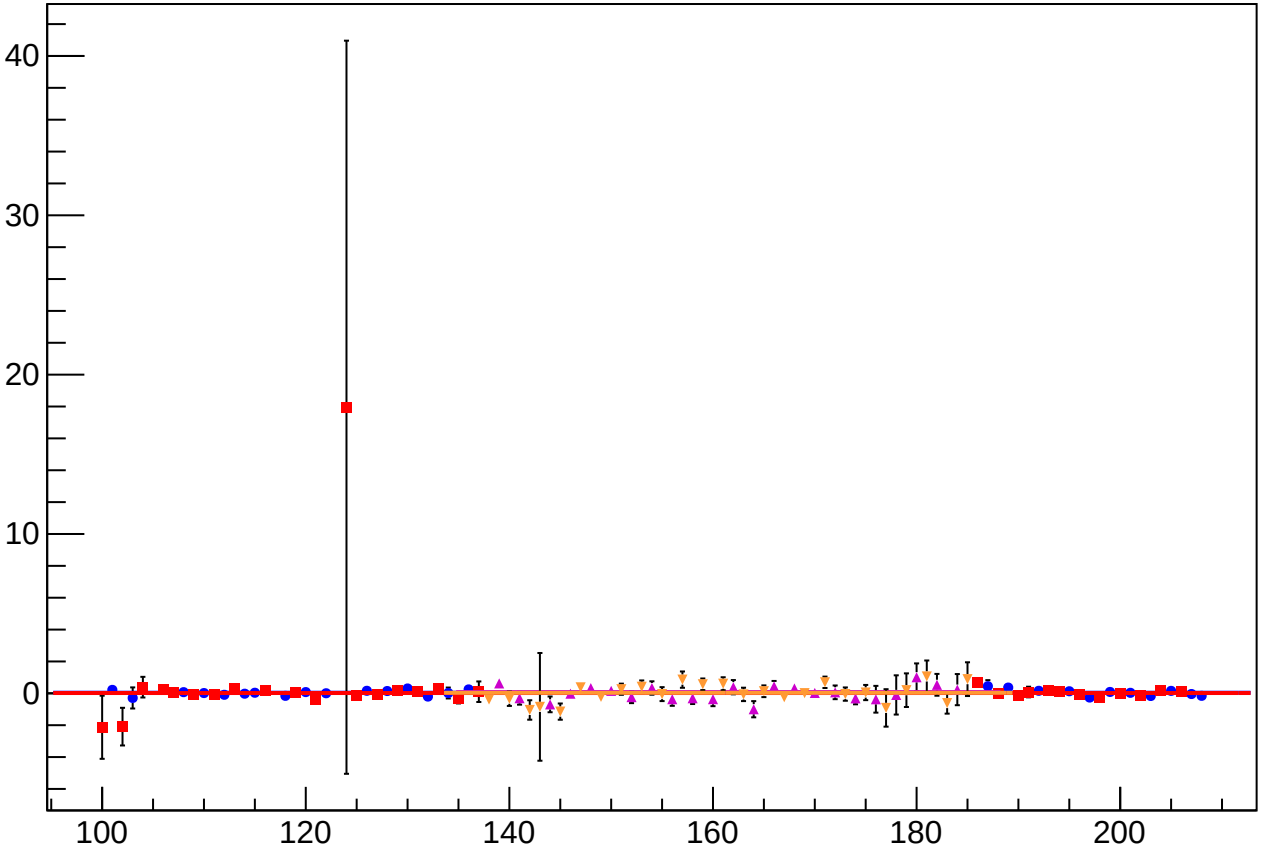
Right: 122.512+/-0.017 χ^2/NDF: 8970299.7/57

In: 158.666+/-0.023 χ^2/NDF:16468905.3/49

Out: 145.764+/-0.021 χ^2/NDF:21832650.6/55

All: 151.871+/-0.016 χ^2/NDF: 38473070.1/10

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

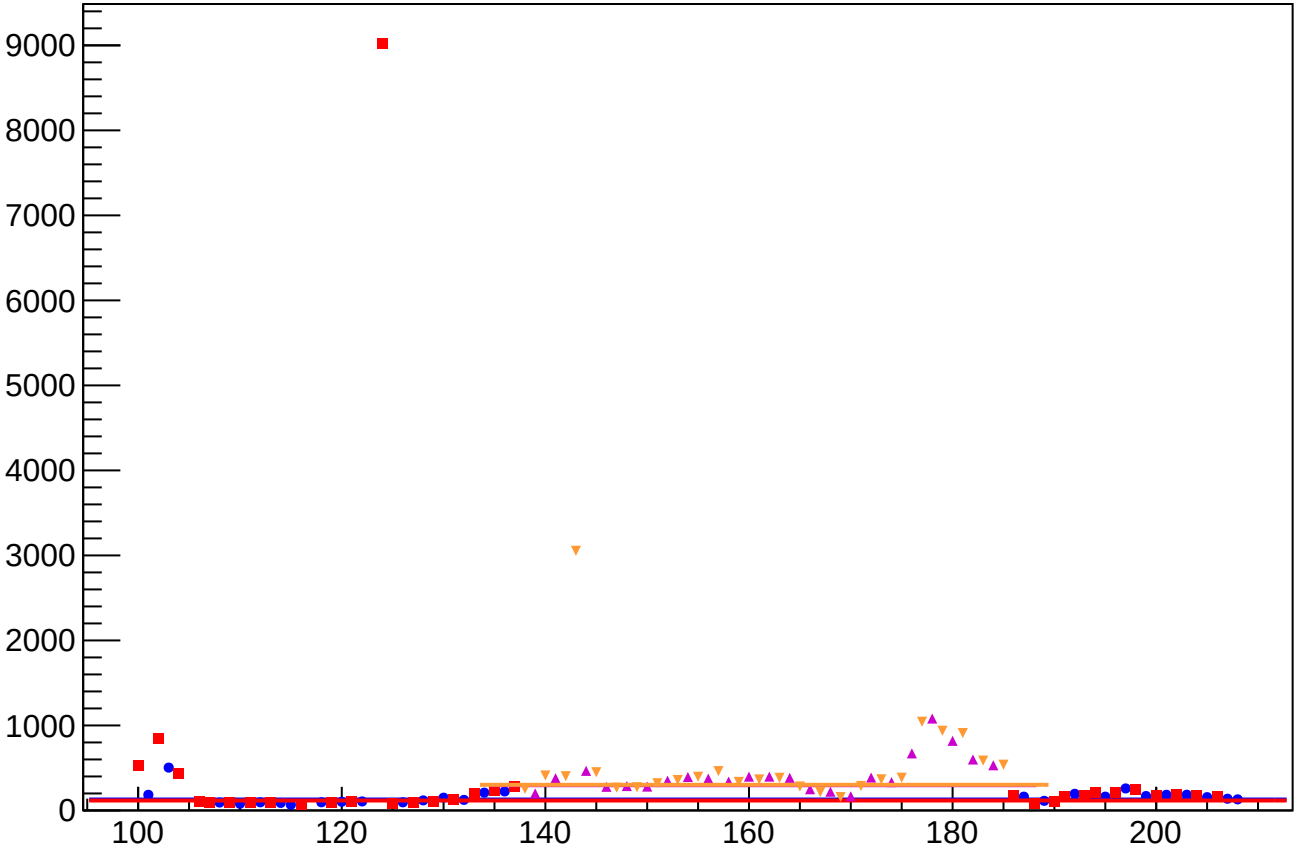
Right: 0.028+/-0.024 χ^2/NDF: 52.4/57

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.033+/-0.022 χ^2/NDF: 106.6/105

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

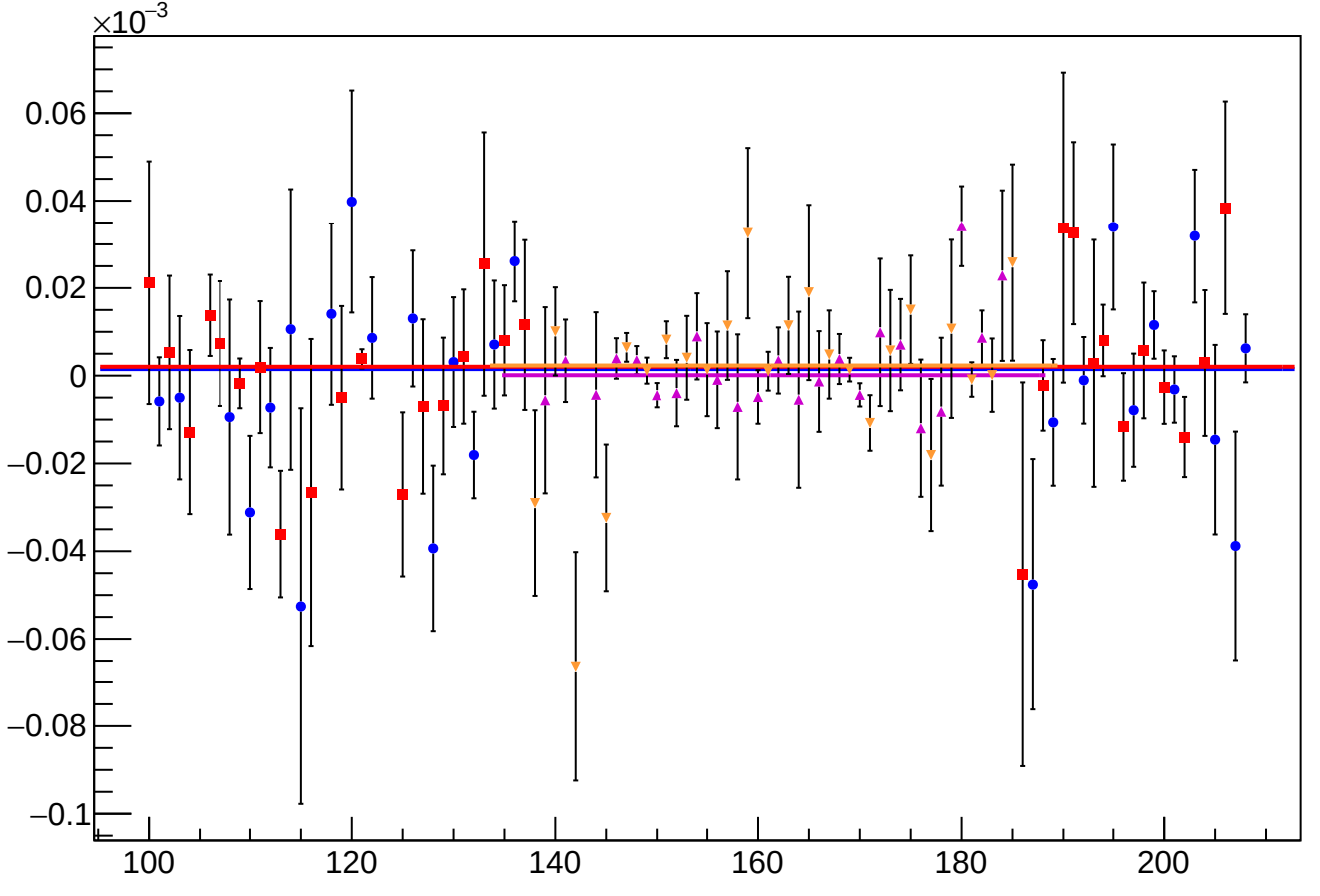
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 122.512+/-0.017 χ^2/NDF: 8970299.7/57

In: 158.666+/-0.023 χ^2/NDF:16468905.3/49

Out: 145.764+/-0.021 χ^2/NDF:21832650.6/55

All: 151.871+/-0.016 χ^2/NDF: 38473070.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 42.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/29

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

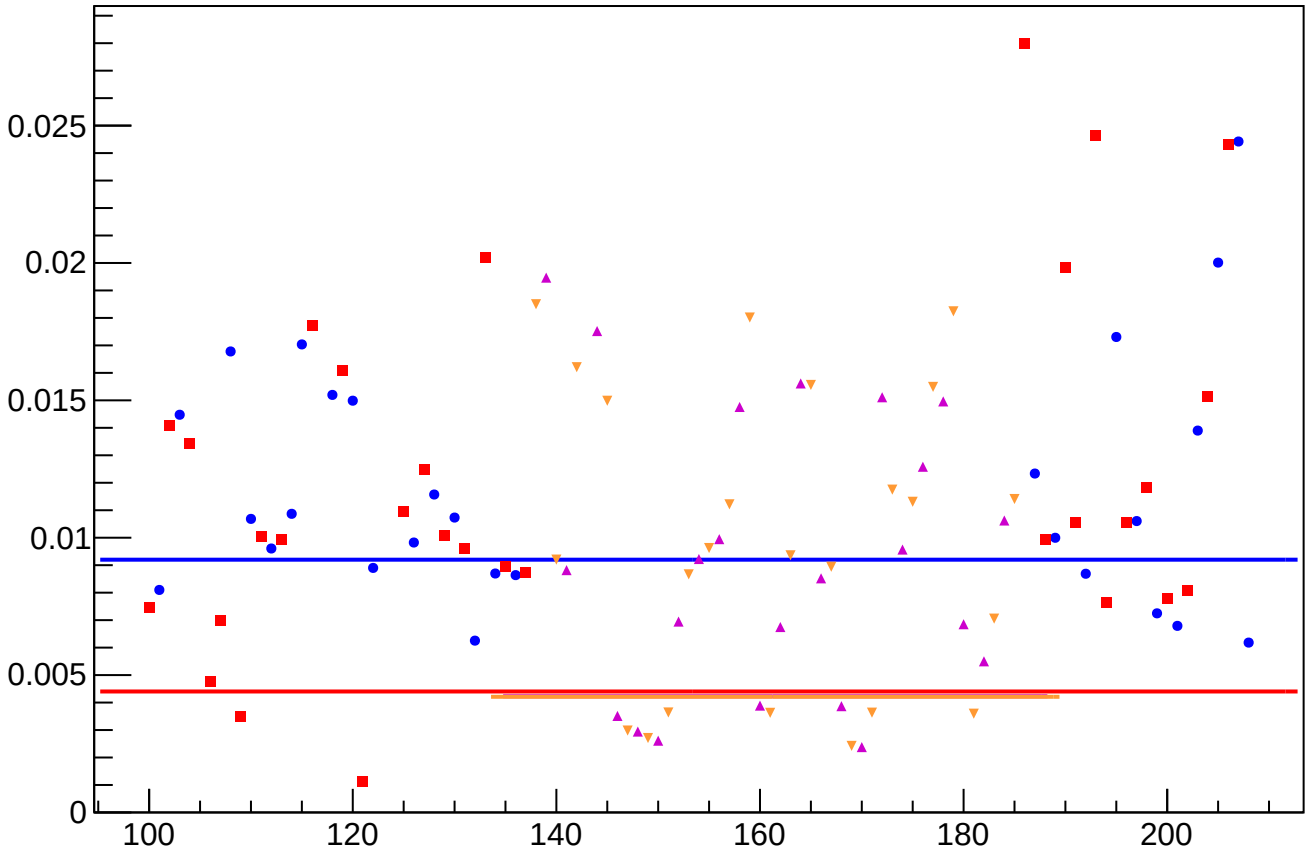
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 70.0/56

In: 0.000+/-0.000 χ^2/NDF:71.7/49

Out: 0.000+/-0.000 χ^2/NDF:58.8/53

All: 0.000+/-0.000 χ^2/NDF: 131.9/103



Right In: 0.009+/-0.000 χ^2/NDF: 3381264.2/26

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16055829.9/29

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

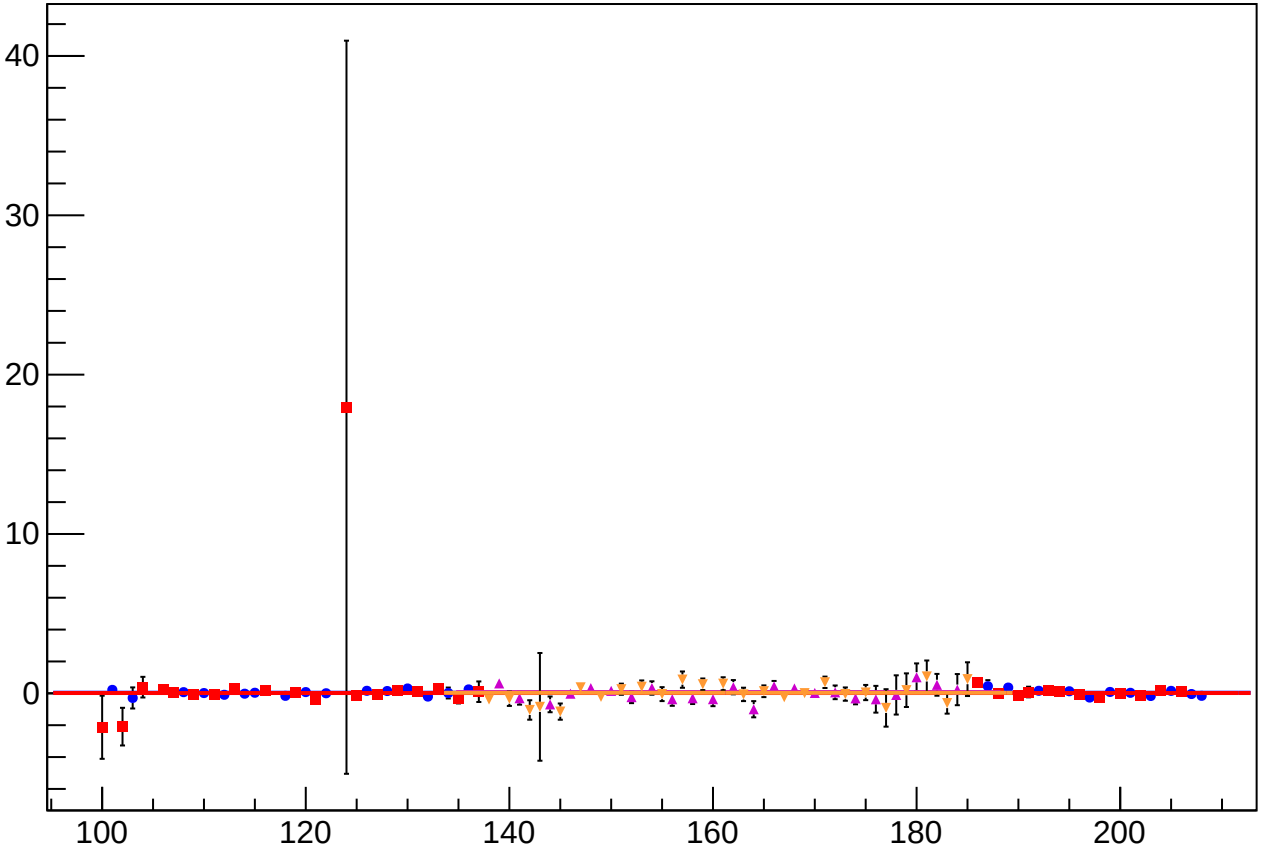
Right: 0.006+/-0.000 χ^2/NDF: 24489042.8/56

In: 0.005+/-0.000 χ^2/NDF:20572915.2/49

Out: 0.004+/-0.000 χ^2/NDF:28151426.5/53

All: 0.005+/-0.000 χ^2/NDF: 49513277.8/103

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

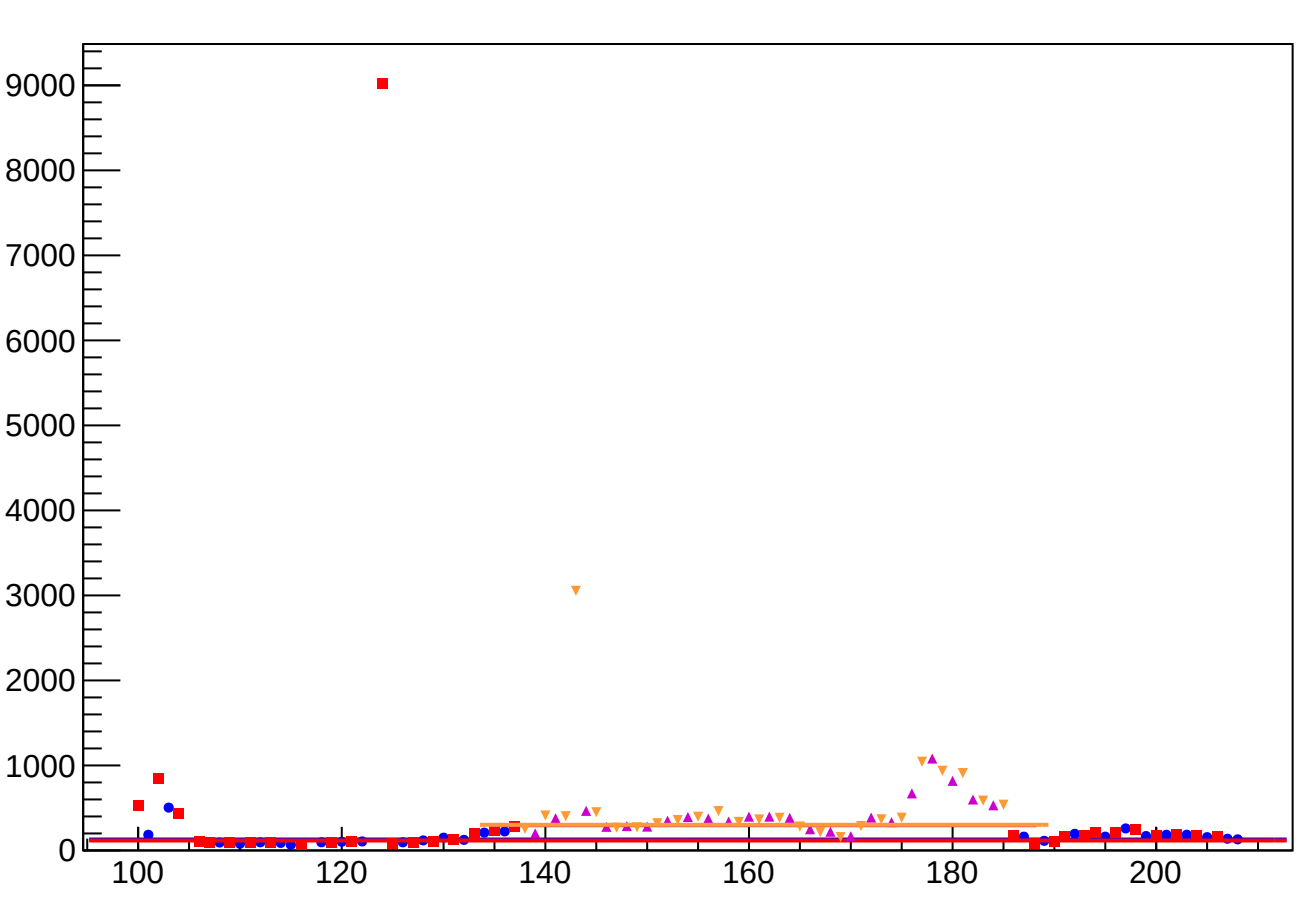
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.028+/-0.024 χ^2/NDF: 52.4/57

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.033+/-0.022 χ^2/NDF: 106.6/105



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

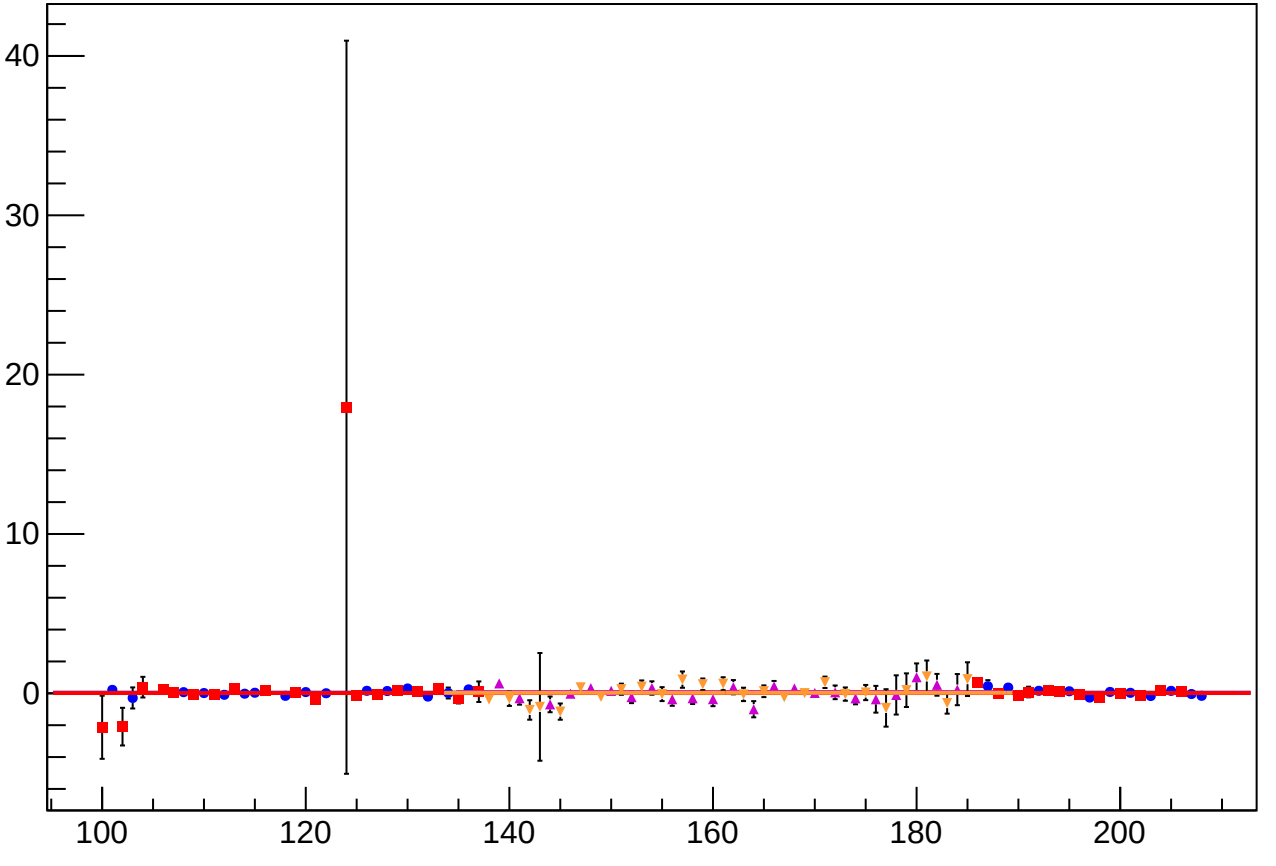
Right: 122.513+/-0.017 χ^2/NDF: 8970195.3/57

In: 158.667+/-0.023 χ^2/NDF:16468937.9/49

Out: 145.765+/-0.021 χ^2/NDF:21832601.8/55

All: 151.872+/-0.016 χ^2/NDF: 38473048.1/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

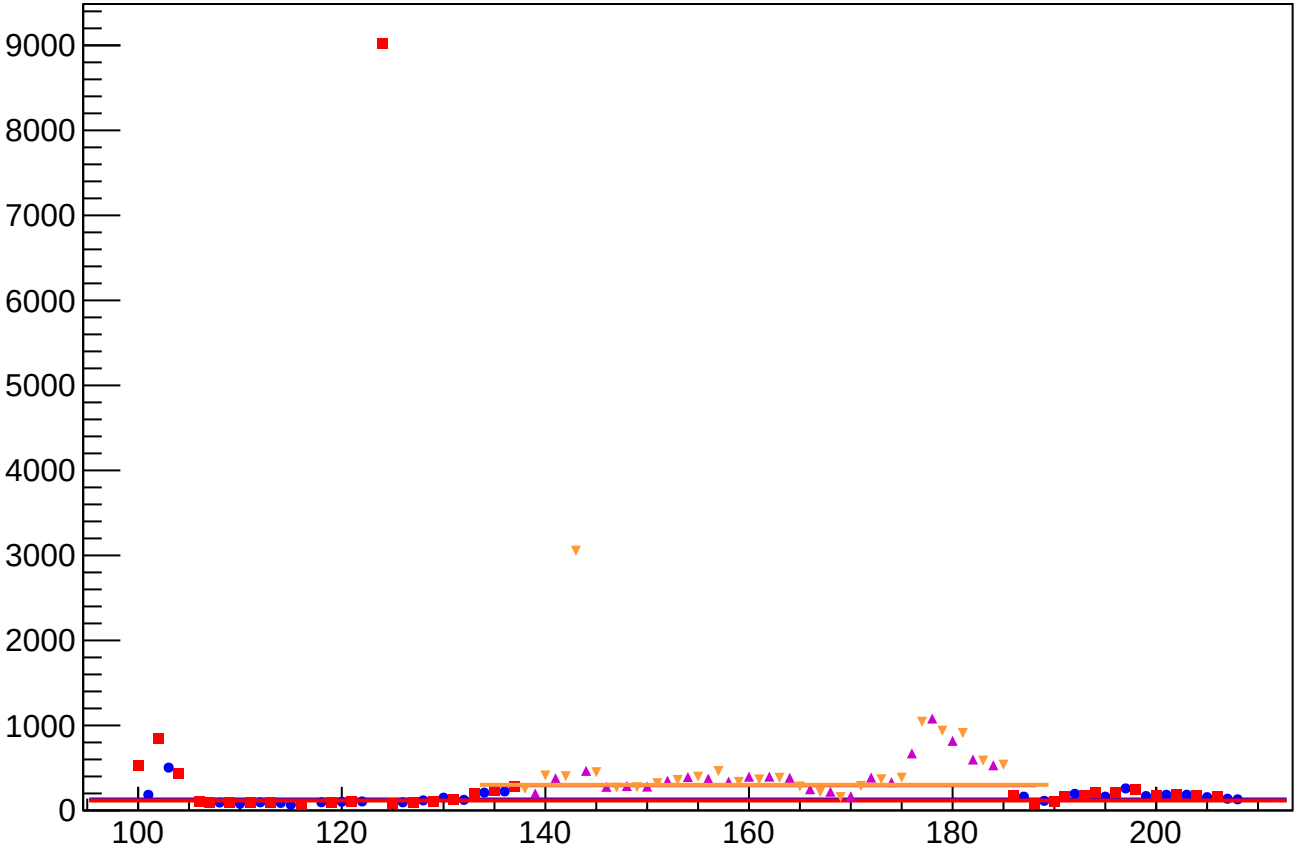
Right: 0.028+/-0.024 χ^2/NDF: 52.4/57

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.033+/-0.022 χ^2/NDF: 106.6/105

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

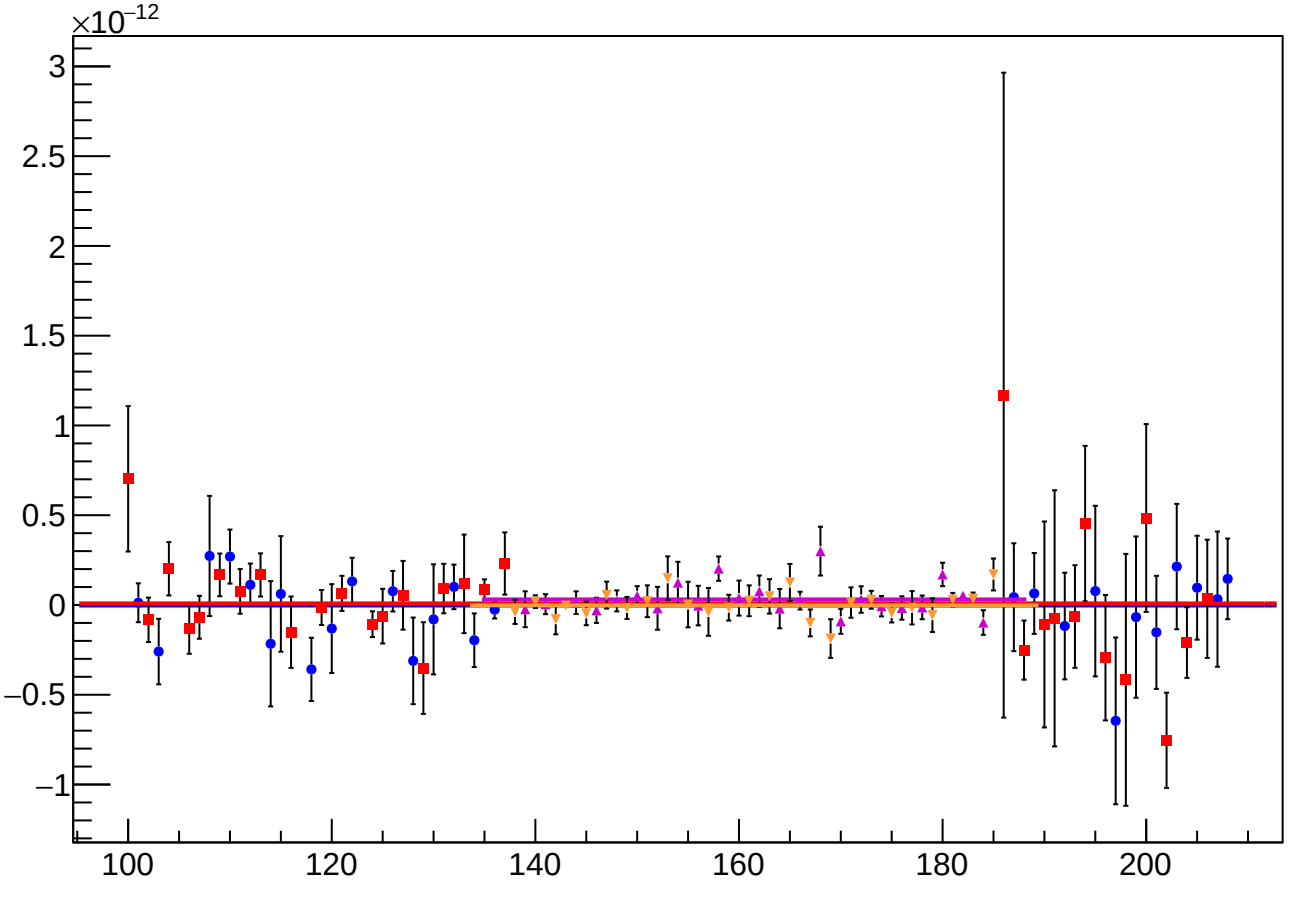
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 122.513+/-0.017 χ^2/NDF: 8970195.3/57

In: 158.667+/-0.023 χ^2/NDF:16468937.9/49

Out: 145.765+/-0.021 χ^2/NDF:21832601.8/55

All: 151.872+/-0.016 χ^2/NDF: 38473048.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/30

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

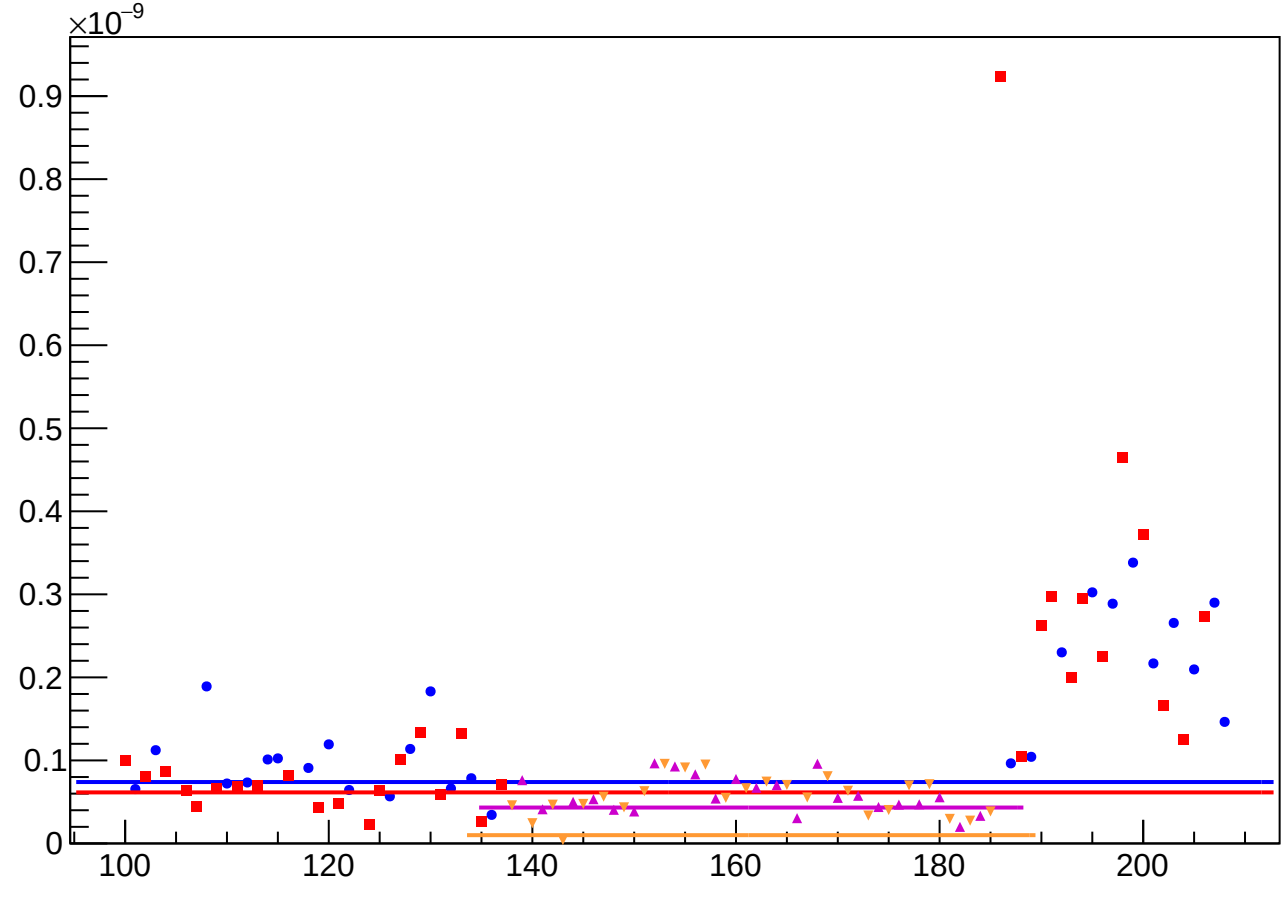
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 56.7/57

In: 0.000+/-0.000 χ^2/NDF:48.3/49

Out: -0.000+/-0.000 χ^2/NDF:53.6/55

All: 0.000+/-0.000 χ^2/NDF: 106.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 6614945.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7238383.6/30

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

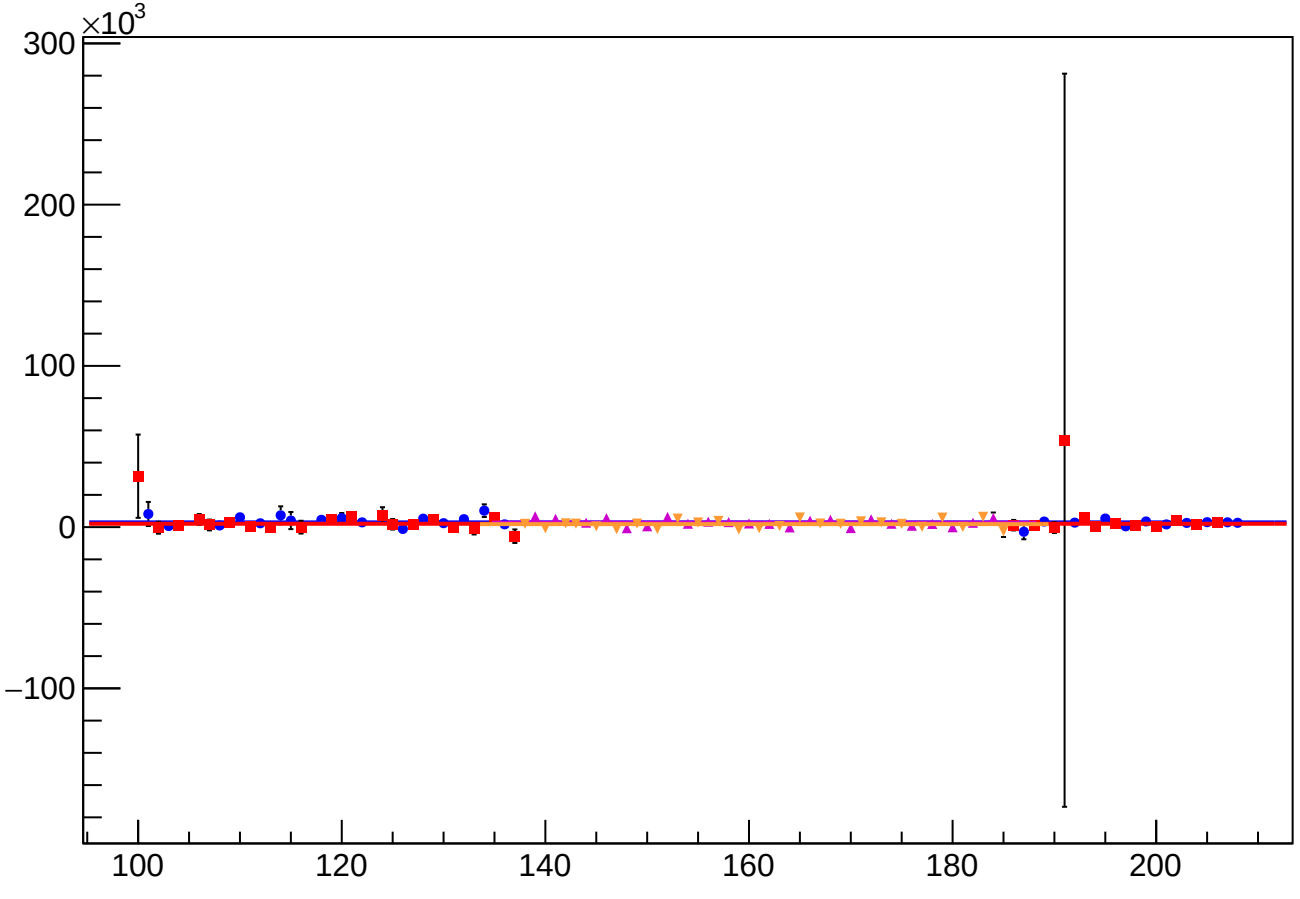
Right: 0.000+/-0.000 χ^2/NDF: 14050176.0/57

In: 0.000+/-0.000 χ^2/NDF:12410617.4/49

Out: 0.000+/-0.000 χ^2/NDF:33285397.8/55

All: 0.000+/-0.000 χ^2/NDF: 60947318.6/105

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2944.565+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2087.840+/-487.090 χ^2/NDF: 22.6/30

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

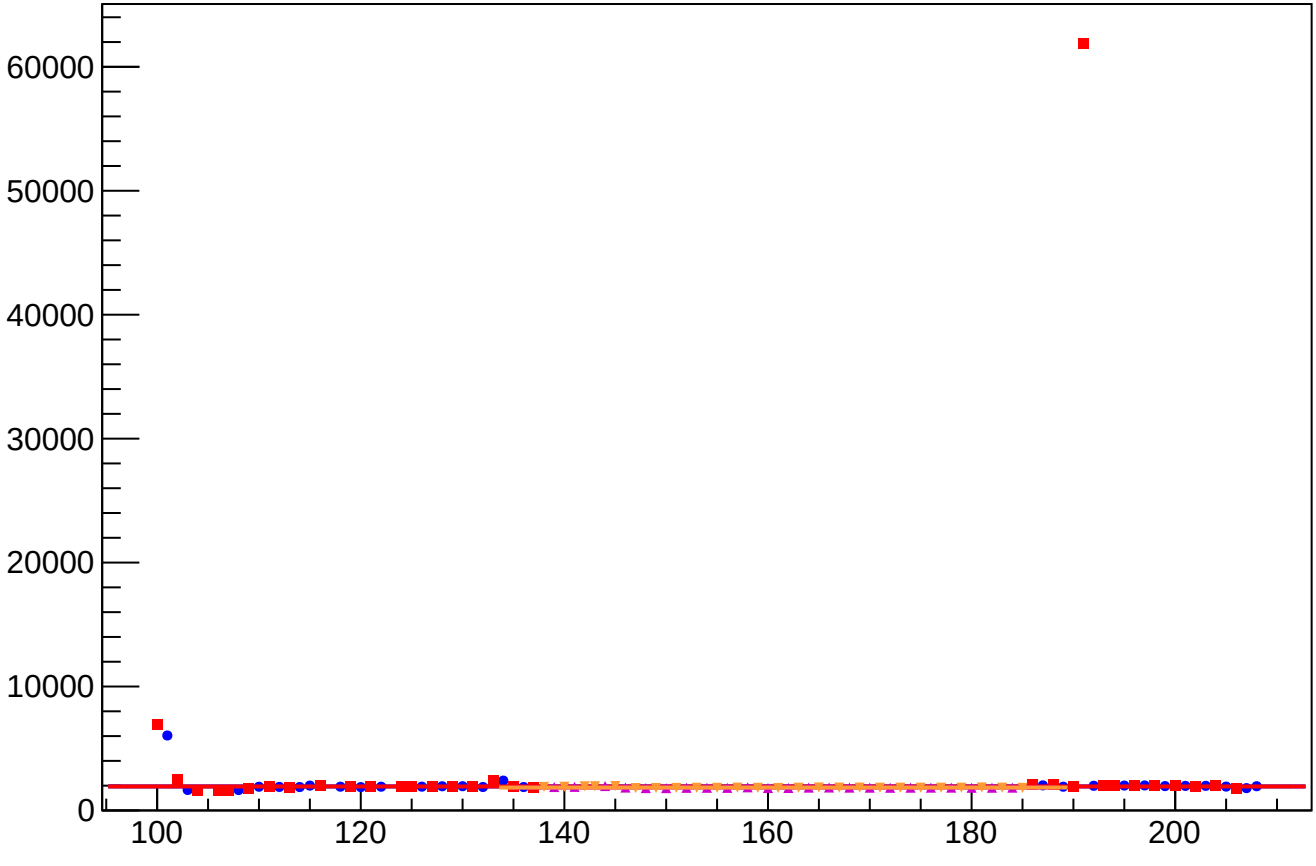
Right: 2511.332+/-346.377 χ^2/NDF: 40.5/57

In: 2848.924+/-324.330 χ^2/NDF:41.8/49

Out: 1952.573+/-318.084 χ^2/NDF:54.2/55

All: 2392.034+/-227.095 χ^2/NDF: 100.0/105

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1938.568+/-0.348 χ^2/NDF: 718151.3/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1936.537+/-0.344 χ^2/NDF: 415990.6/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

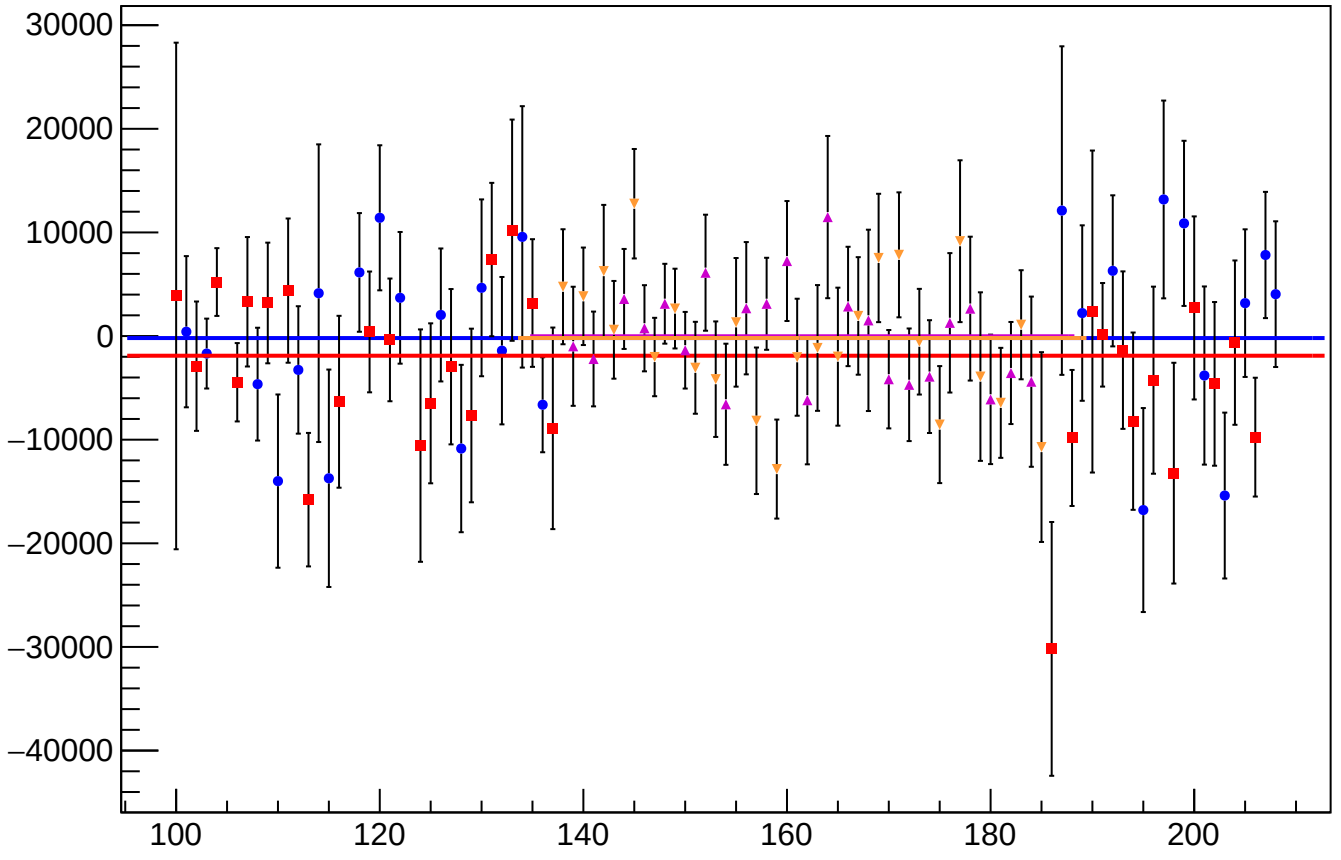
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1937.539+/-0.245 χ^2/NDF: 1134159.1/57

In: 1885.586+/-0.229 χ^2/NDF:773000.5/49

Out: 1886.126+/-0.225 χ^2/NDF:474401.2/55

All: 1885.861+/-0.161 χ^2/NDF: 1247404.5/10



Right In: -193.207+/-1327.250 χ^2/NDF: 29.1/26

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1897.545+/-1208.008 χ^2/NDF: 29.3/30

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

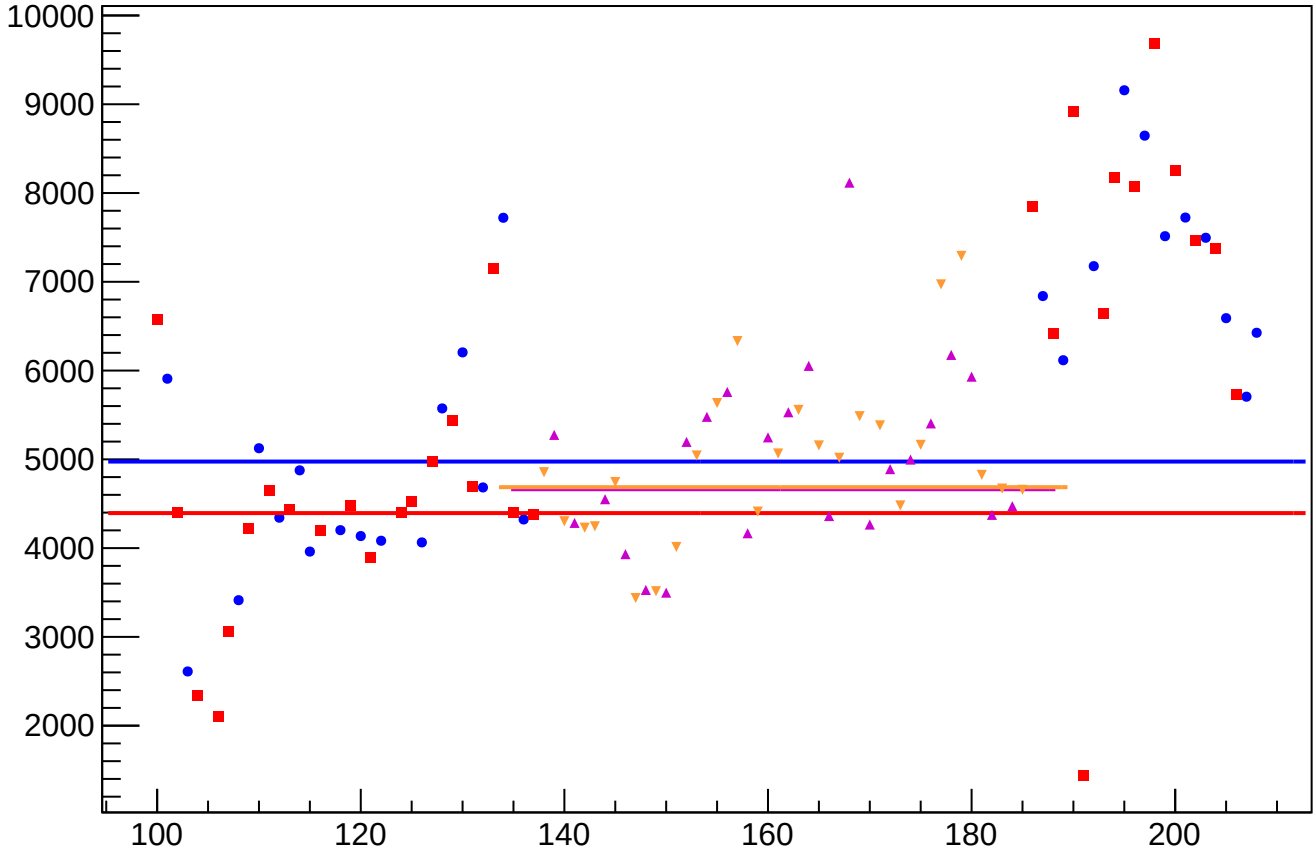
Right: -1125.360+/-893.378 χ^2/NDF: 59.2/57

In: -91.123+/-852.635 χ^2/NDF:42.8/49

Out: -954.947+/-808.694 χ^2/NDF:59.3/55

All: -545.867+/-586.752 χ^2/NDF: 102.7/105

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4975.028+/-0.939 χ^2/NDF: 3283167.3/26

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4394.564+/-0.854 χ^2/NDF: 5517108.2/30

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

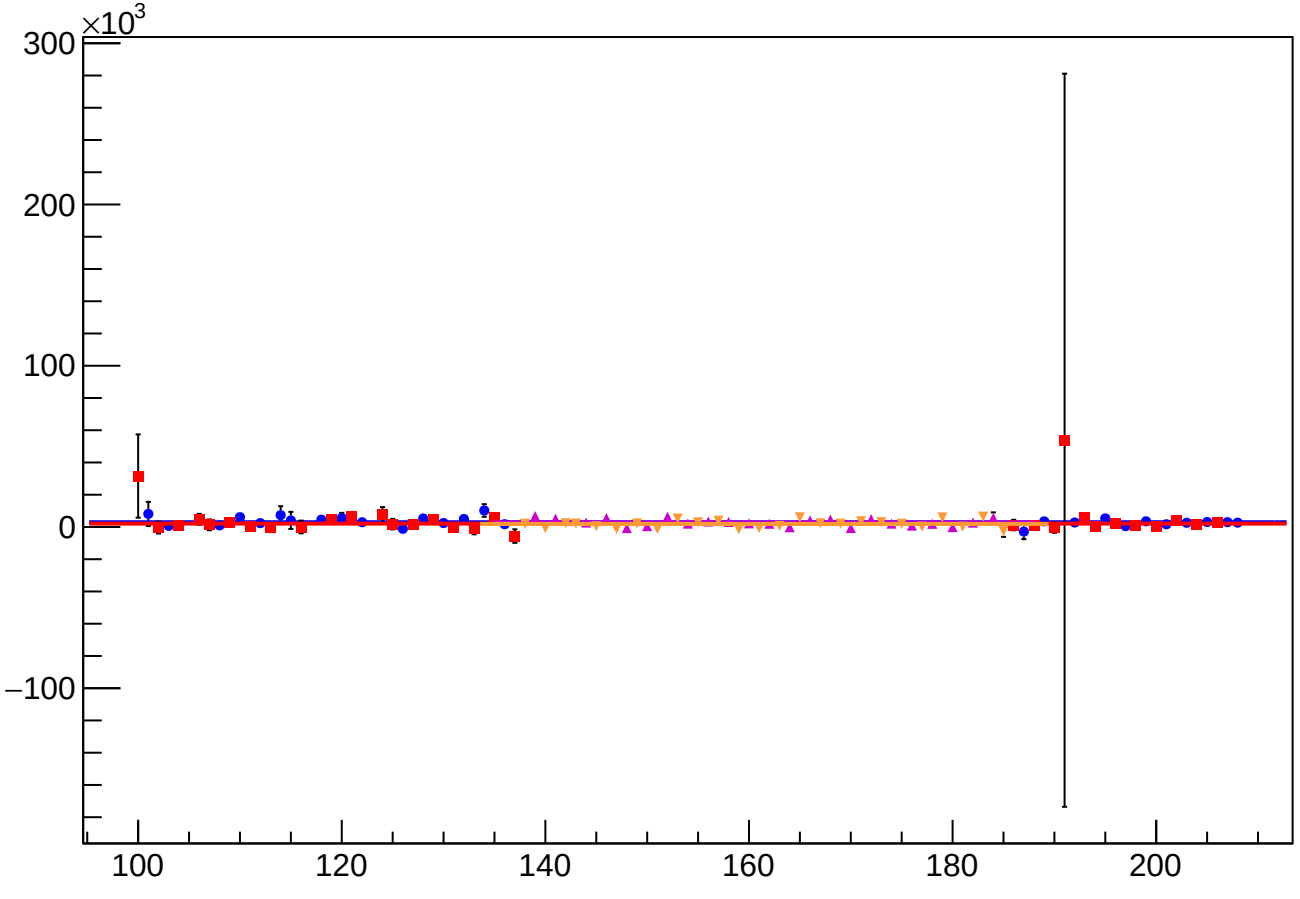
Right: 4657.554+/-0.632 χ^2/NDF: 9009497.9/57

In: 4791.930+/-0.603 χ^2/NDF:4634700.8/49

Out: 4555.586+/-0.572 χ^2/NDF:6766566.3/55

All: 4667.511+/-0.415 χ^2/NDF: 11482164.5/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2088.350+/-487.091 χ^2/NDF: 22.6/30

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

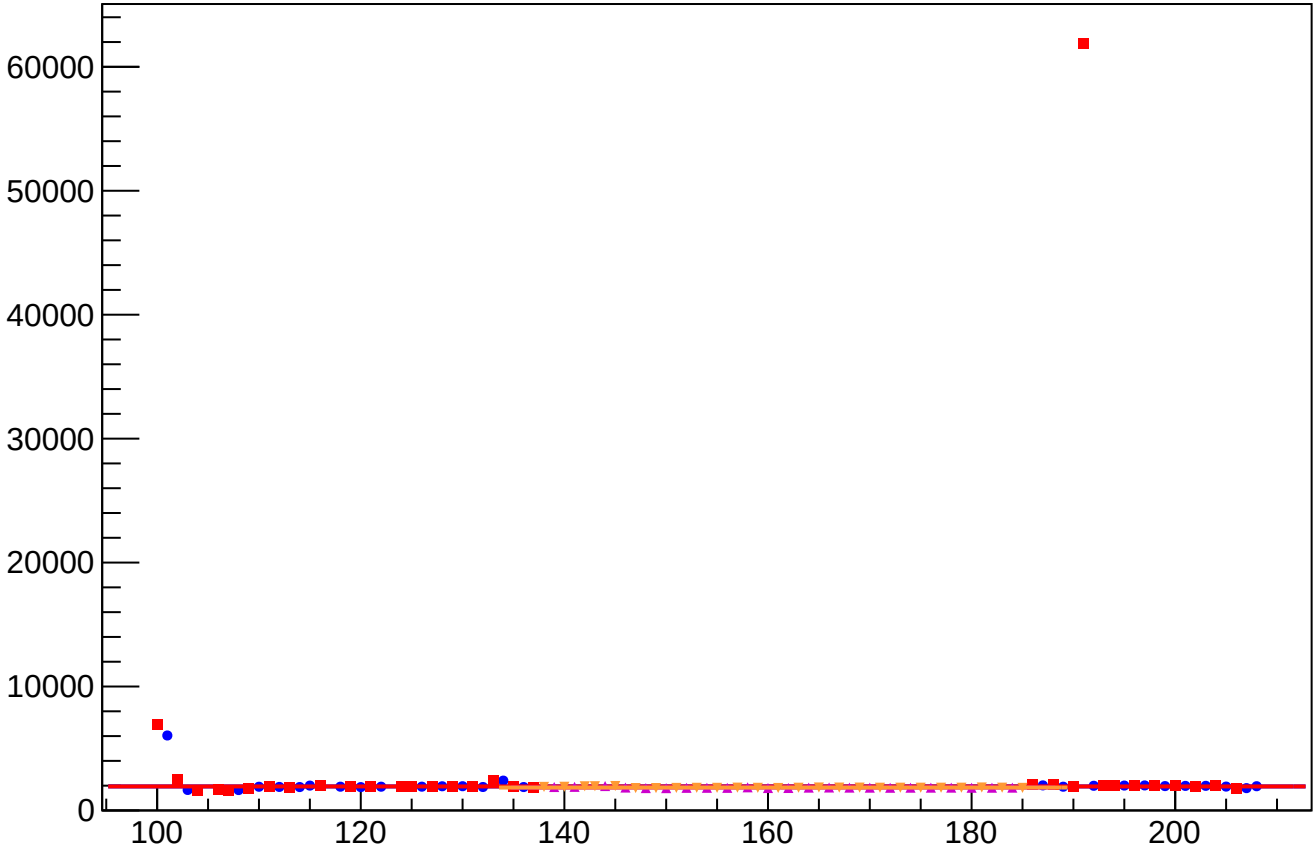
Right: 2511.467+/-346.377 χ^2/NDF: 40.5/57

In: 2848.802+/-324.330 χ^2/NDF:41.8/49

Out: 1952.727+/-318.084 χ^2/NDF:54.2/55

All: 2392.053+/-227.096 χ^2/NDF: 100.0/105

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

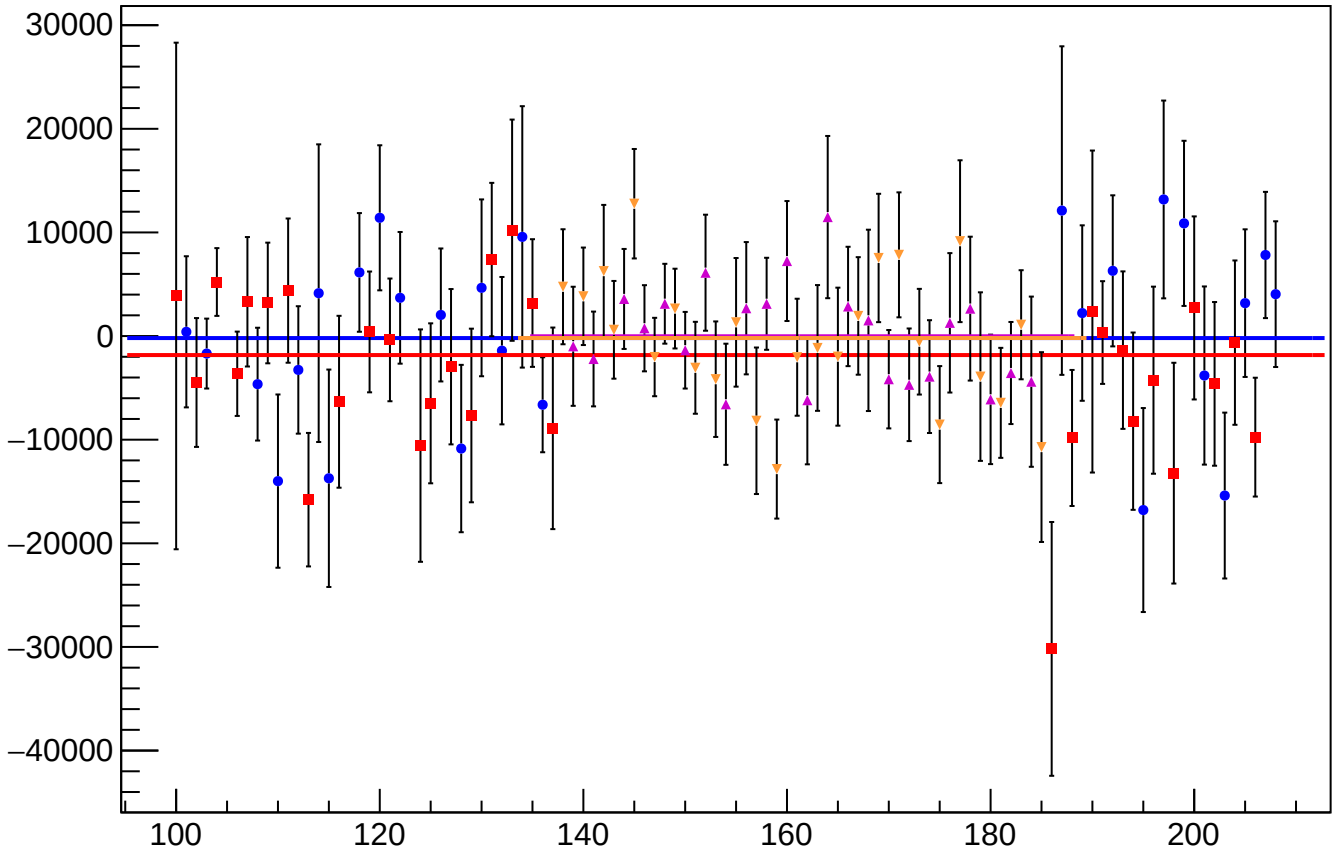
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1938.530+/-0.245 χ^2/NDF: 1126218.5/57

In: 1885.586+/-0.229 χ^2/NDF:772999.7/49

Out: 1886.922+/-0.225 χ^2/NDF:468124.6/55

All: 1886.267+/-0.161 χ^2/NDF: 1241141.6/10



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1833.465+/-1215.721 χ^2/NDF: 29.2/30

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

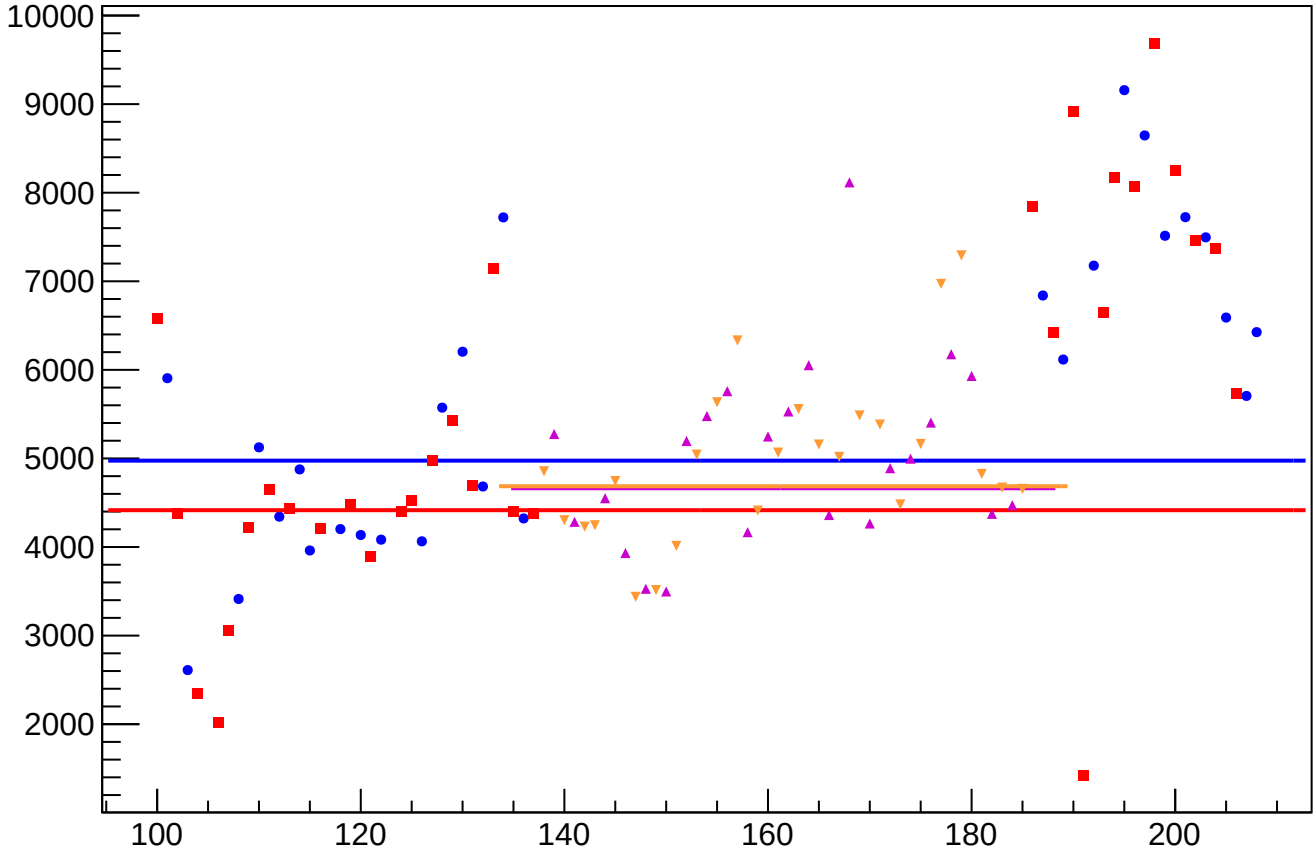
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1085.227+/-896.485 χ^2/NDF: 59.1/57

In: -91.228+/-852.636 χ^2/NDF:42.8/49

Out: -921.072+/-810.995 χ^2/NDF:59.1/55

All: -526.908+/-587.630 χ^2/NDF: 102.5/105



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

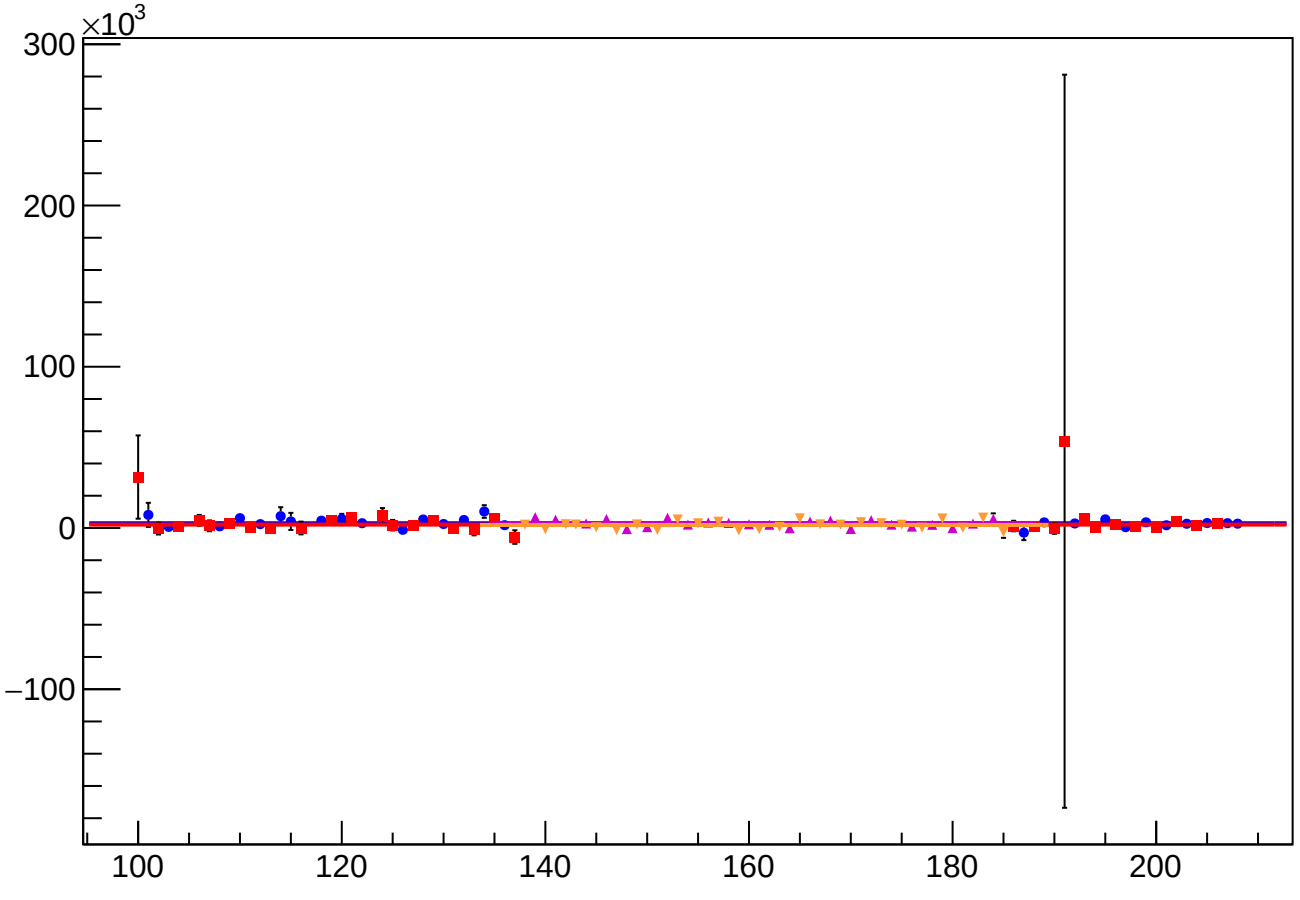
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4670.876+/-0.634 χ^2/NDF: 8953103.9/57

In: 4791.958+/-0.603 χ^2/NDF:4634097.0/49

Out: 4565.878+/-0.573 χ^2/NDF:6717458.9/55

All: 4673.263+/-0.416 χ^2/NDF: 11425380.0/1



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2088.350+/-487.091 χ^2/NDF: 22.6/30

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

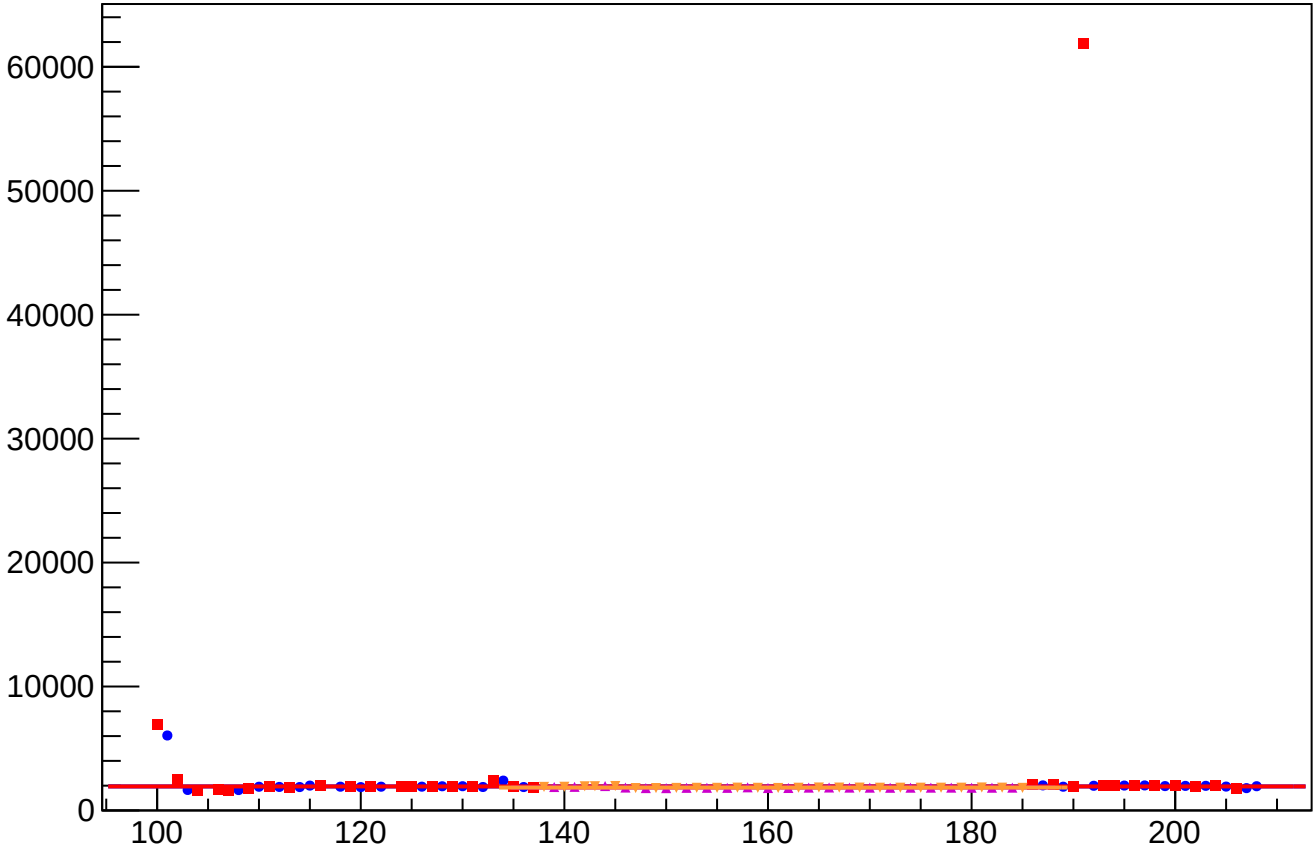
Right: 2511.467+/-346.377 χ^2/NDF: 40.5/57

In: 2848.802+/-324.330 χ^2/NDF:41.8/49

Out: 1952.727+/-318.084 χ^2/NDF:54.2/55

All: 2392.053+/-227.096 χ^2/NDF: 100.0/105

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

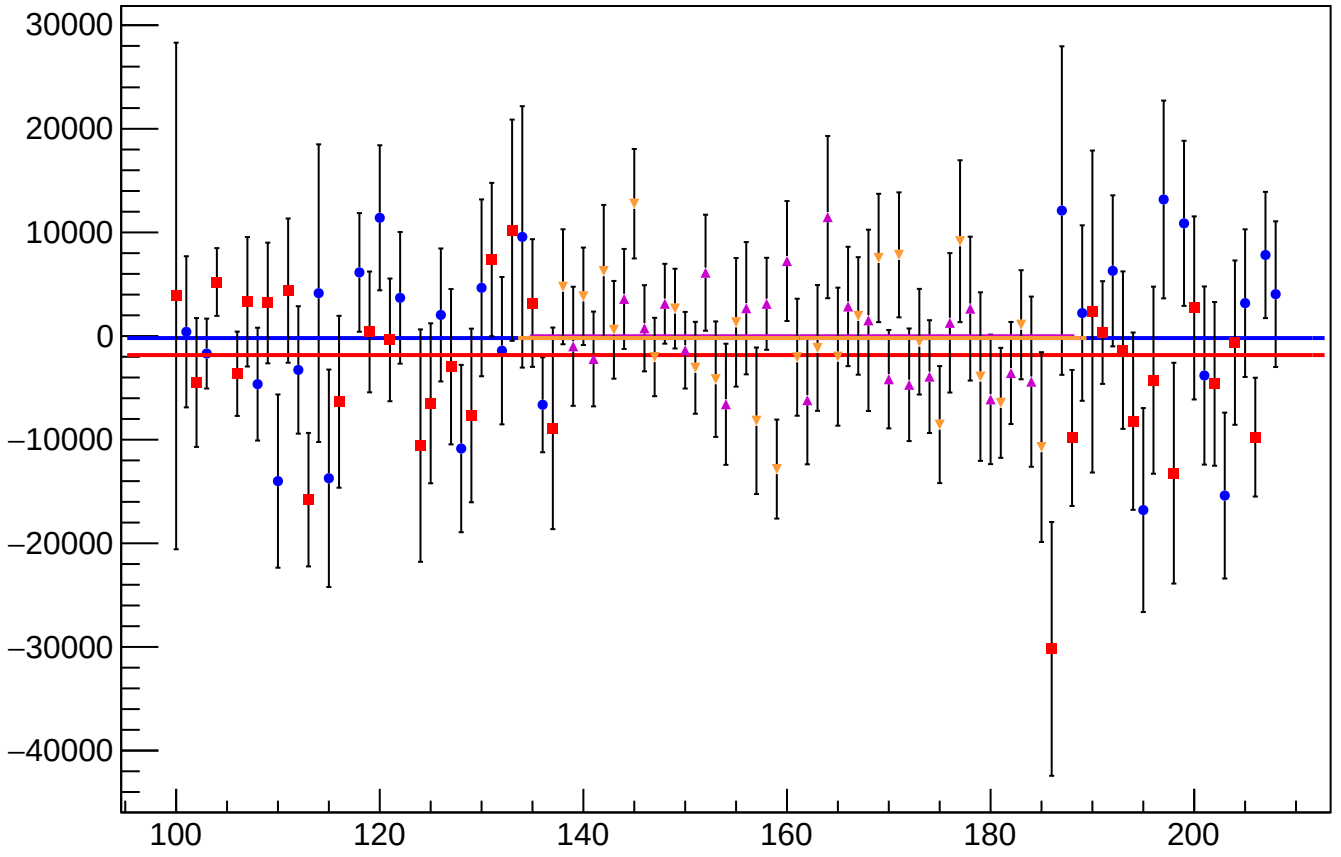
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1938.530+/-0.245 χ^2/NDF: 1126218.5/57

In: 1885.586+/-0.229 χ^2/NDF:772999.7/49

Out: 1886.922+/-0.225 χ^2/NDF:468124.6/55

All: 1886.267+/-0.161 χ^2/NDF: 1241141.6/10



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1833.465+/-1215.721 χ^2/NDF: 29.2/30

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

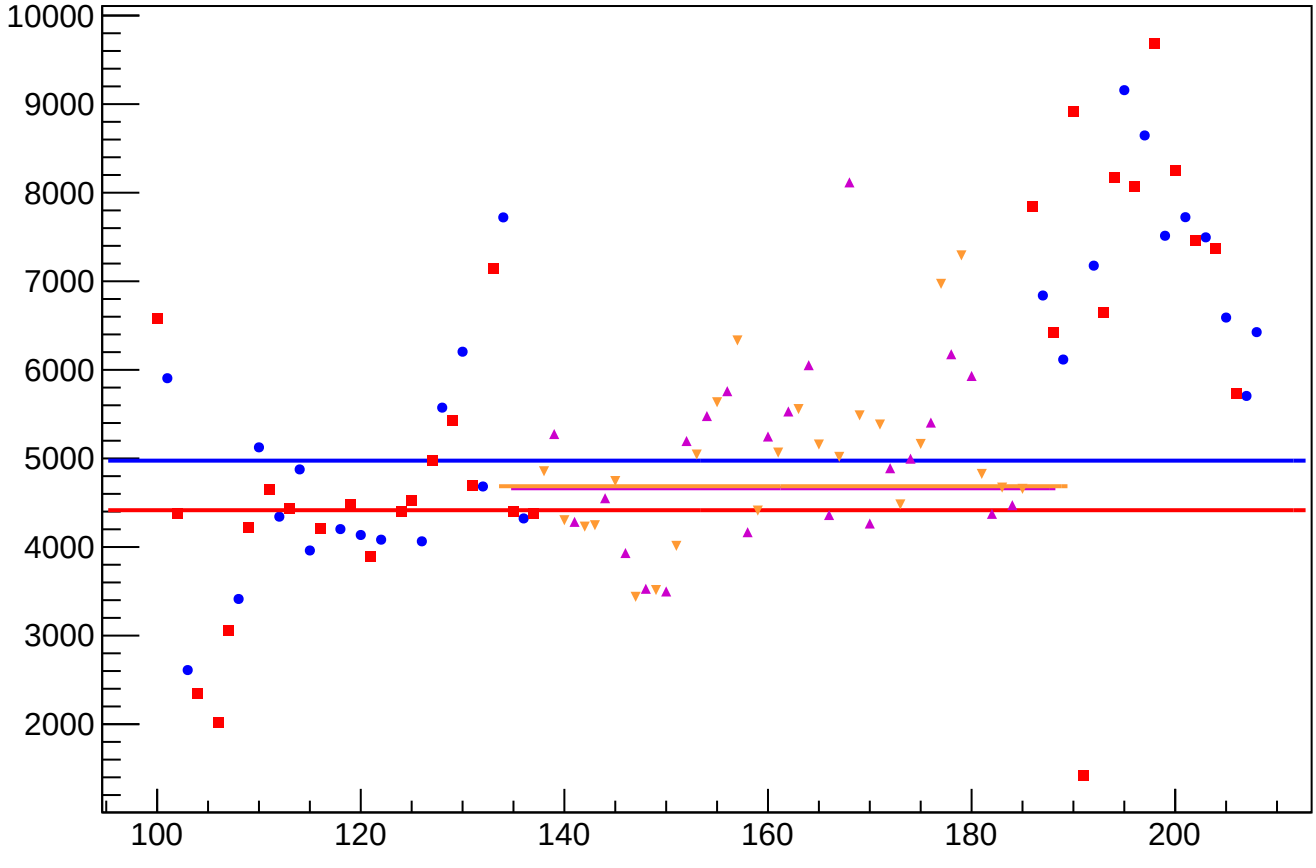
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1085.227+/-896.485 χ^2/NDF: 59.1/57

In: -91.228+/-852.636 χ^2/NDF:42.8/49

Out: -921.072+/-810.995 χ^2/NDF:59.1/55

All: -526.908+/-587.630 χ^2/NDF: 102.5/105



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

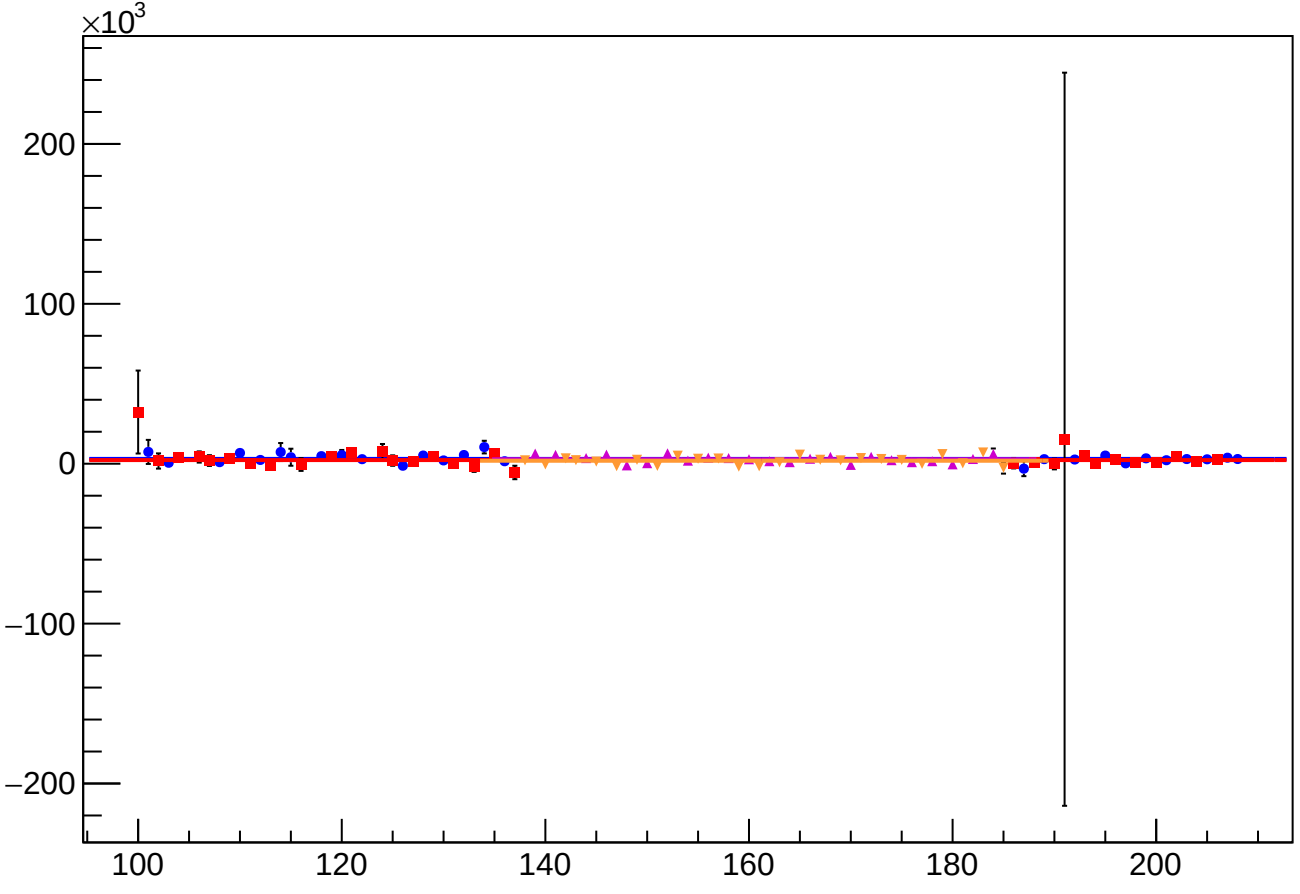
Right: 4670.876+/-0.634 χ^2/NDF: 8953103.9/57

In: 4791.958+/-0.603 χ^2/NDF:4634097.0/49

Out: 4565.878+/-0.573 χ^2/NDF:6717458.9/55

All: 4673.263+/-0.416 χ^2/NDF: 11425380.0/

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2278.225+/-498.552 χ^2/NDF: 23.4/30

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

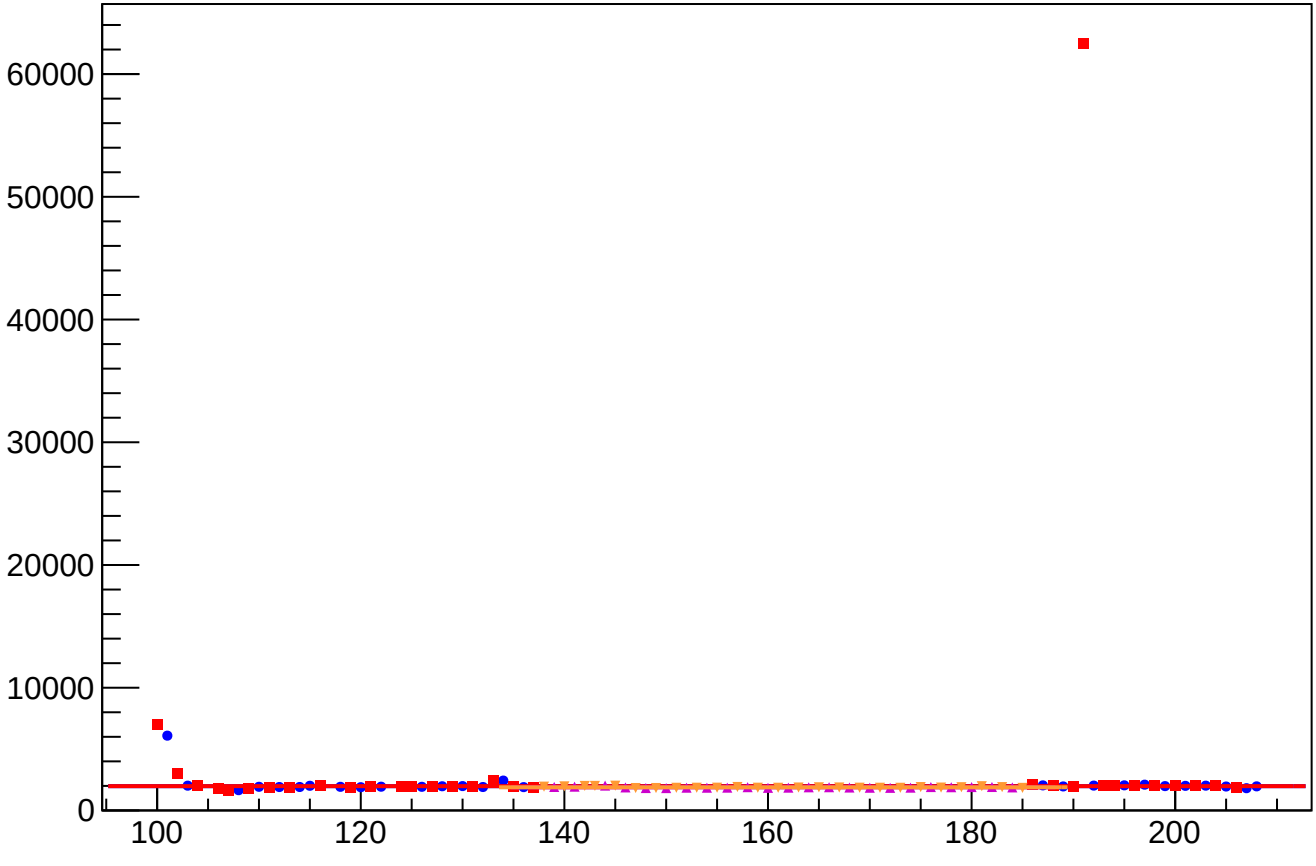
Right: 2640.653+/-354.023 χ^2/NDF: 41.2/57

In: 2889.697+/-330.792 χ^2/NDF:42.2/49

Out: 2049.942+/-325.174 χ^2/NDF:56.7/55

All: 2462.629+/-231.893 χ^2/NDF: 102.3/105

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.0/26

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.9/30

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

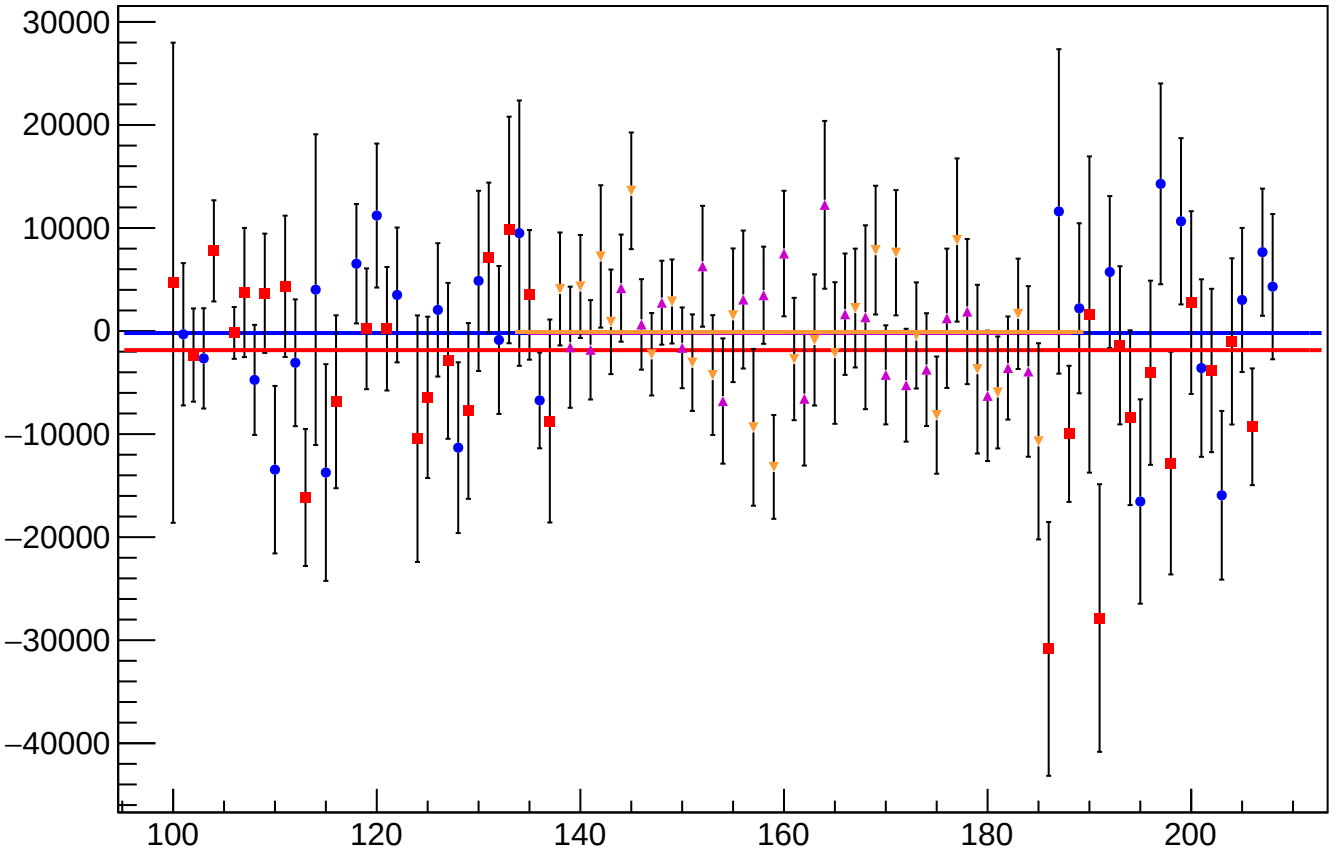
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1979.458+/-0.250 χ^2/NDF: 1122289.1/57

In: 1923.213+/-0.234 χ^2/NDF:753006.1/49

Out: 1926.820+/-0.230 χ^2/NDF:503205.2/55

All: 1925.048+/-0.164 χ^2/NDF: 1256332.4/10



Right In: -190.209+/-1388.632 χ^2/NDF: 28.9/26

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -1852.152+/-1191.344 χ^2/NDF: 32.2/30

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

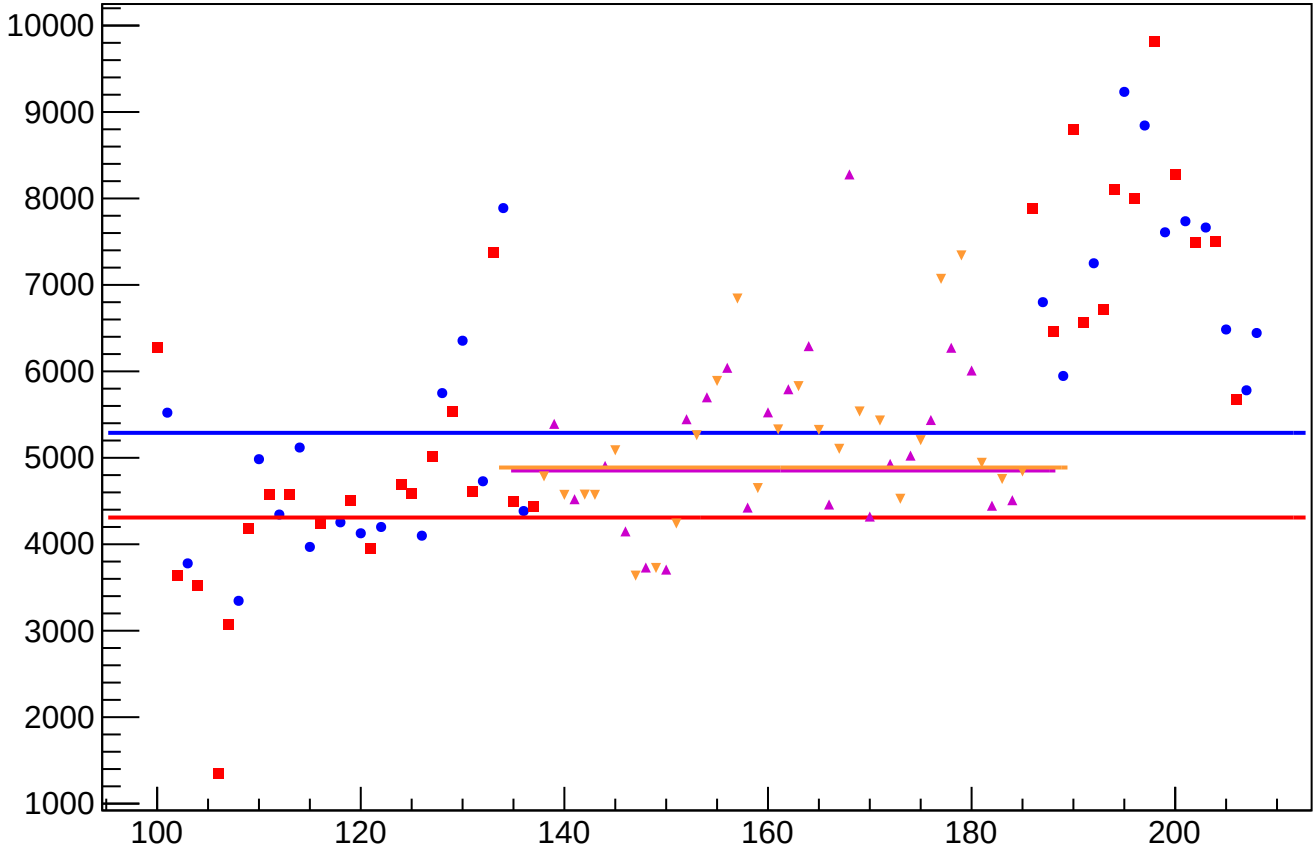
Right: -1147.529+/-904.186 χ^2/NDF: 61.9/57

In: -182.488+/-888.467 χ^2/NDF:42.4/49

Out: -928.045+/-821.092 χ^2/NDF:61.5/55

All: -584.604+/-603.013 χ^2/NDF: 104.3/105

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5288.844+/-0.982 χ^2/NDF: 2364546.5/26

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4309.400+/-0.842 χ^2/NDF: 6425774.1/30

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

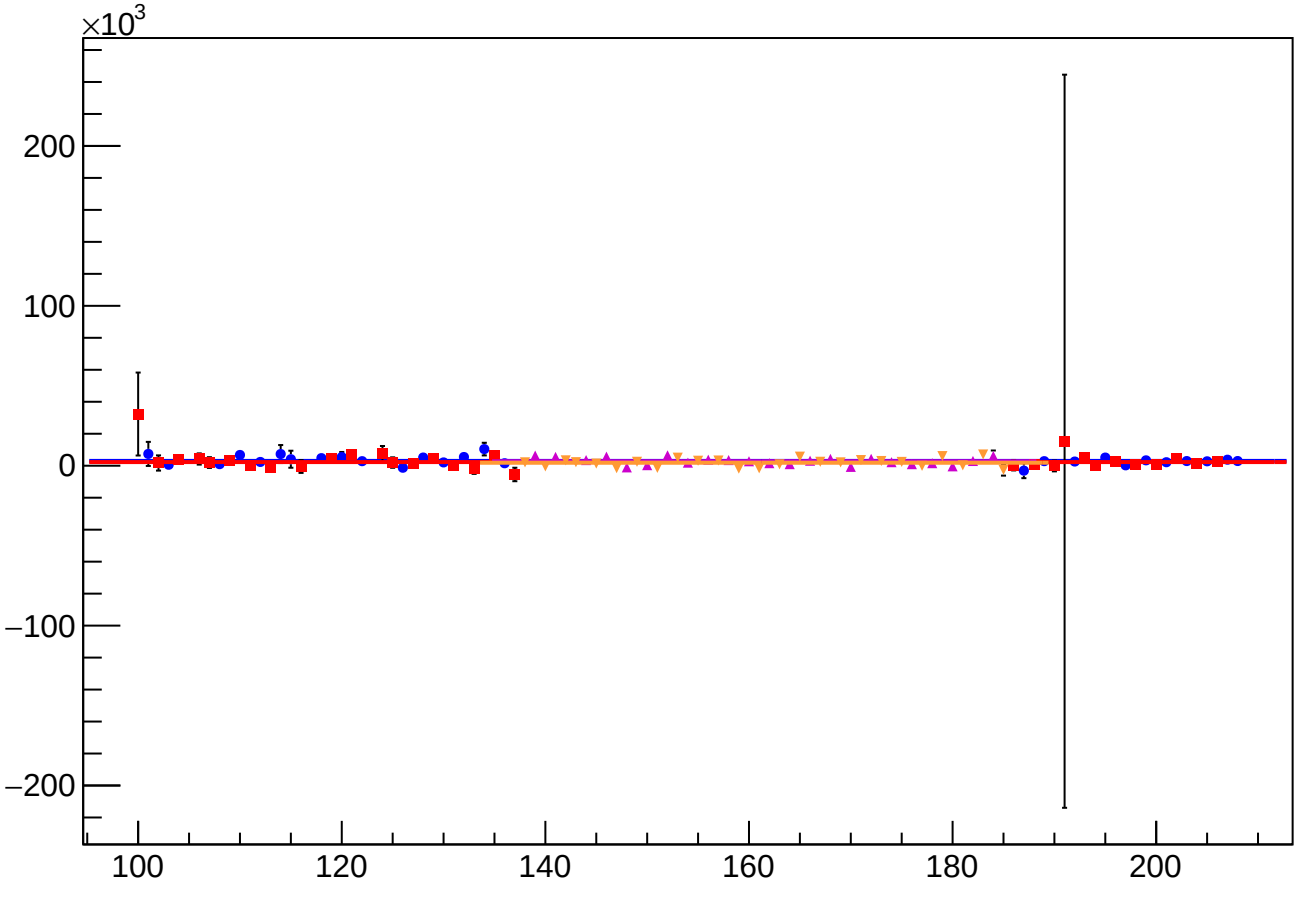
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4724.660+/-0.639 χ^2/NDF: 9363454.7/57

In: 5031.633+/-0.628 χ^2/NDF:3659359.2/49

Out: 4613.062+/-0.581 χ^2/NDF:7736582.1/55

All: 4805.877+/-0.426 χ^2/NDF: 11635358.9/1



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2278.224+/-498.552 χ^2/NDF: 23.4/30

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

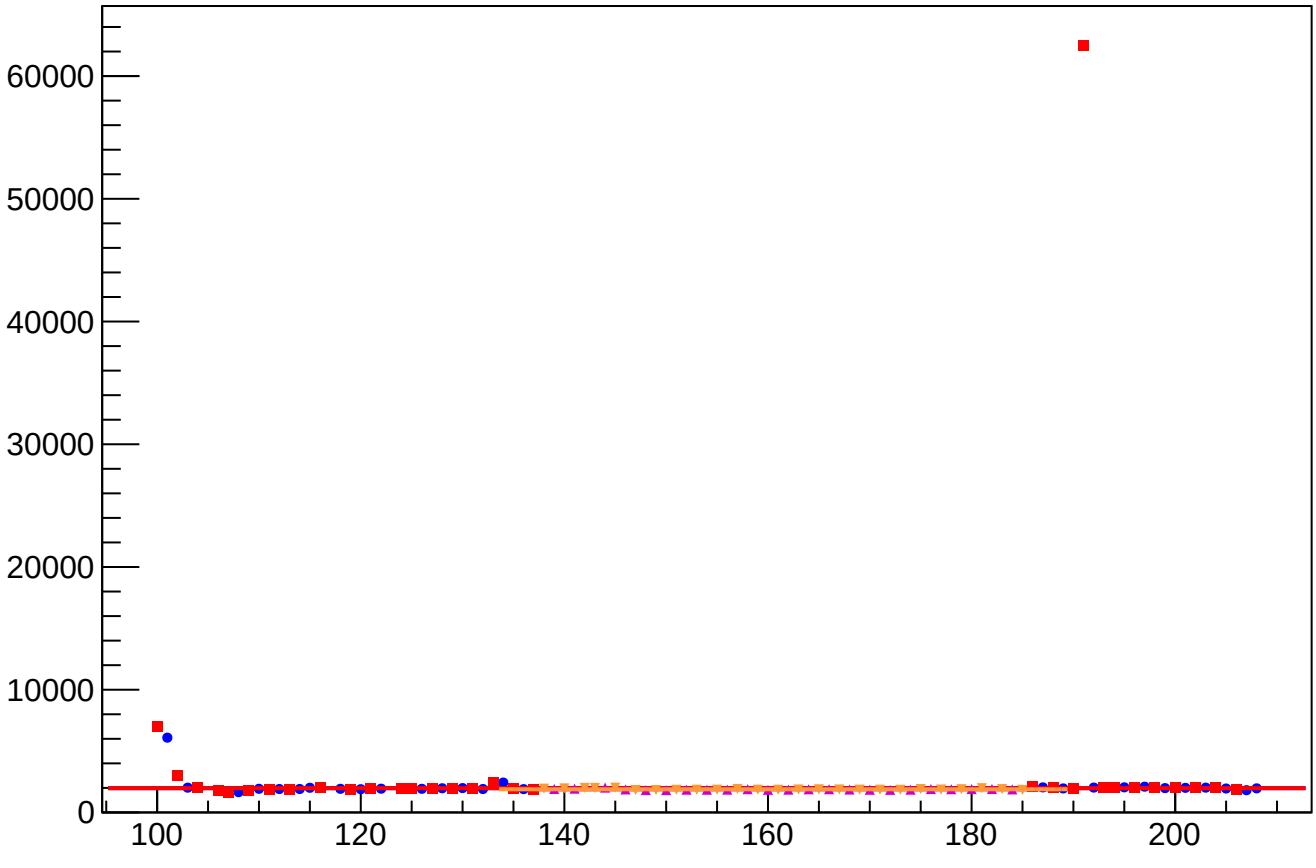
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2640.652+/-354.023 χ^2/NDF: 41.2/57

In: 2889.697+/-330.792 χ^2/NDF:42.2/49

Out: 2049.939+/-325.174 χ^2/NDF:56.7/55

All: 2462.627+/-231.893 χ^2/NDF: 102.3/105



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.1/26

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.5/30

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

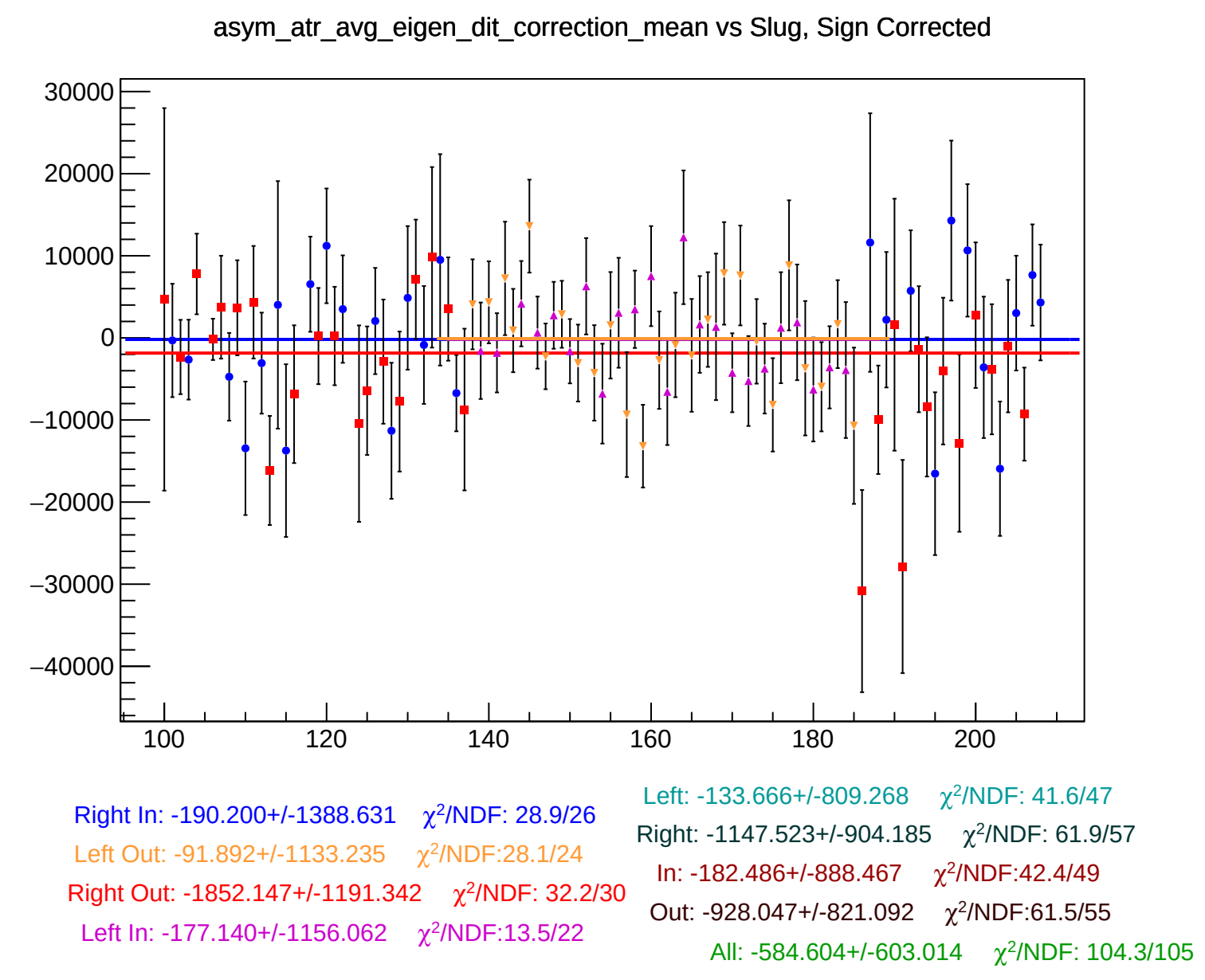
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

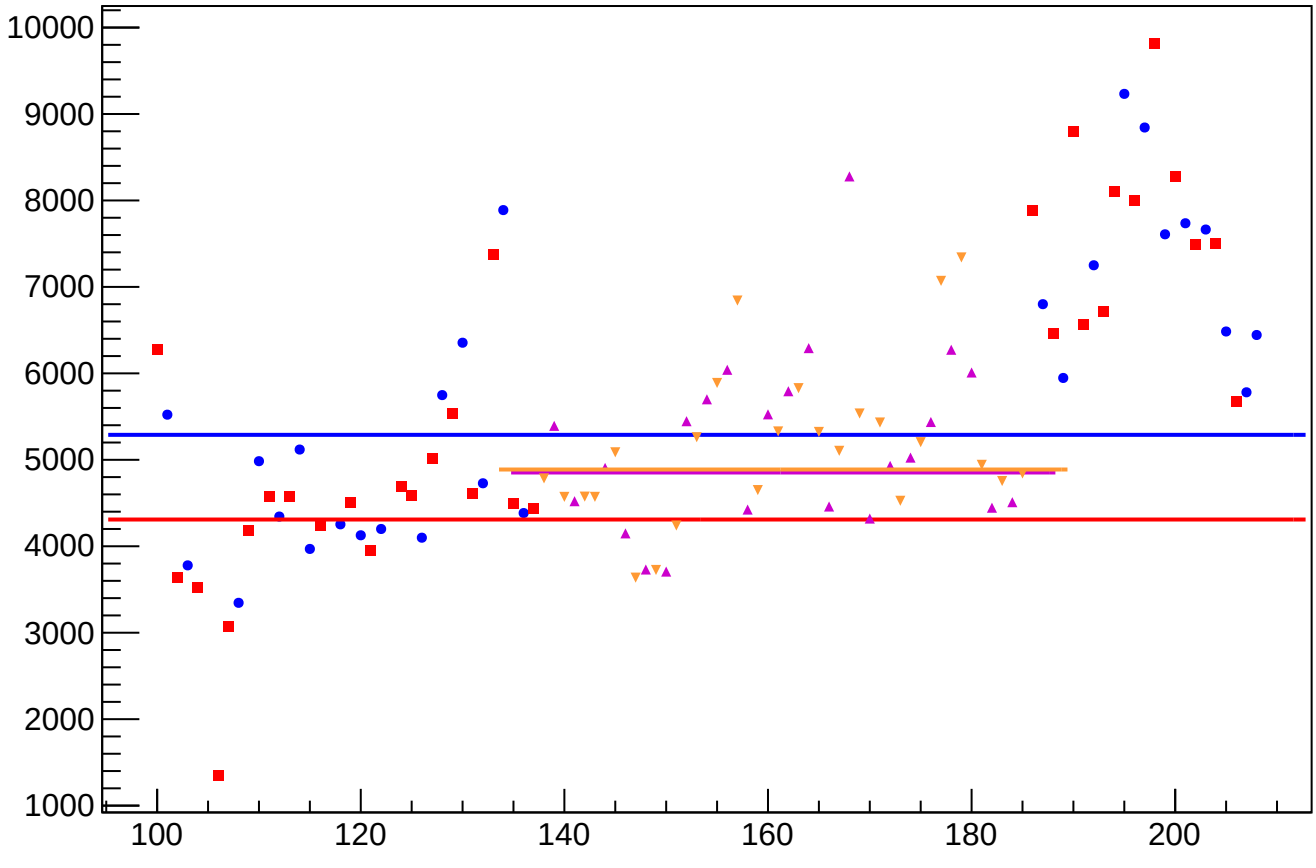
Right: 1979.458+/-0.250 χ^2/NDF: 1122288.8/57

In: 1923.213+/-0.234 χ^2/NDF:753005.4/49

Out: 1926.820+/-0.230 χ^2/NDF:503204.3/55

All: 1925.048+/-0.164 χ^2/NDF: 1256330.6/10


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -190.200+/-1388.631 χ²/NDF: 28.9/26
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1852.147+/-1191.342 χ²/NDF: 32.2/30
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1147.523+/-904.185 χ²/NDF: 61.9/57
In: -182.486+/-888.467 χ²/NDF:42.4/49
Out: -928.047+/-821.092 χ²/NDF:61.5/55
All: -584.604+/-603.014 χ²/NDF: 104.3/105



Right In: 5288.839+/-0.982 χ^2/NDF: 2364564.1/26

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4309.391+/-0.842 χ^2/NDF: 6425807.3/30

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

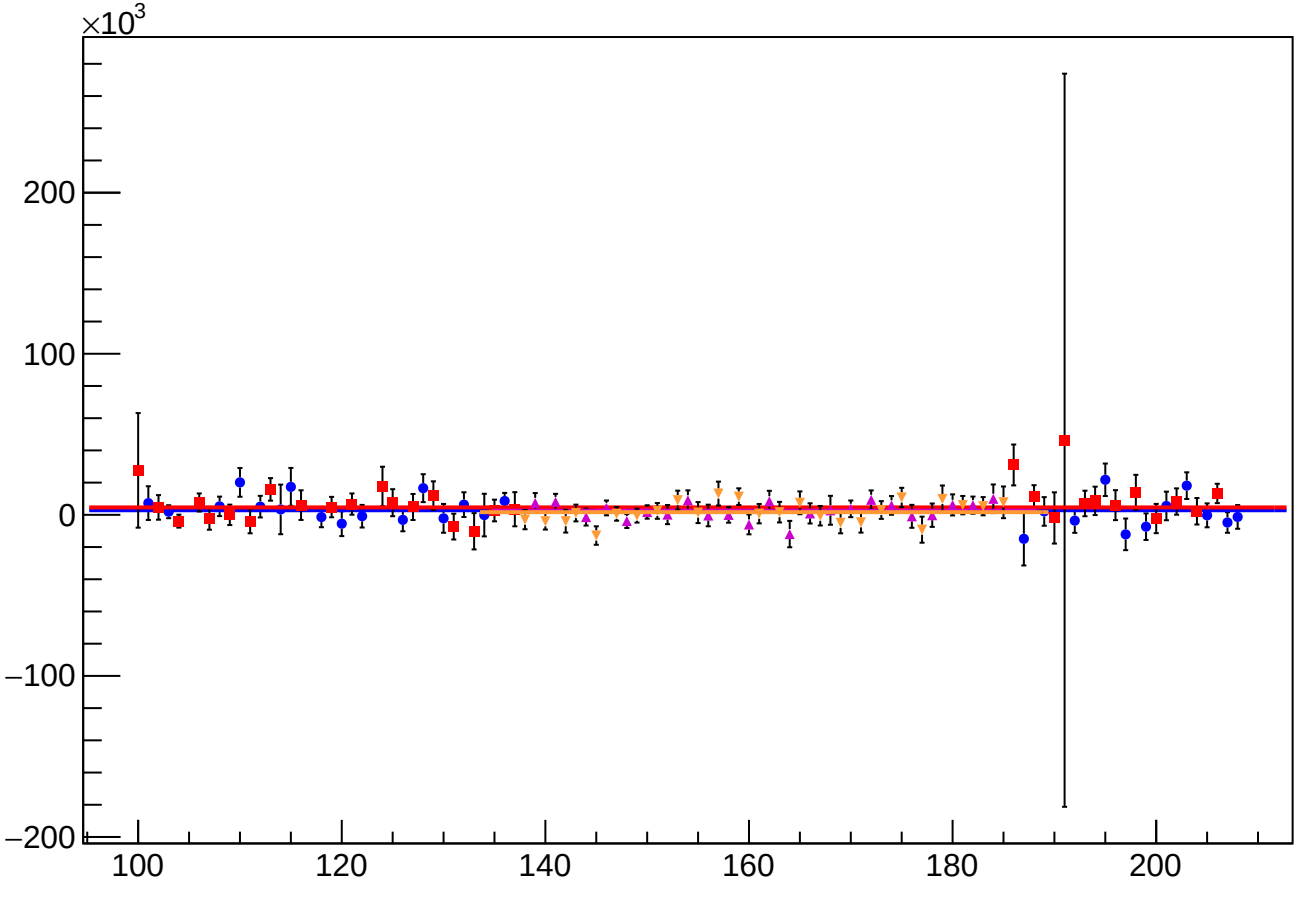
Right: 4724.653+/-0.639 χ^2/NDF: 9363511.0/57

In: 5031.635+/-0.628 χ^2/NDF:3659372.5/49

Out: 4613.061+/-0.581 χ^2/NDF:7736631.0/55

All: 4805.877+/-0.426 χ^2/NDF: 11635425.3/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2855.467+/-1455.553 χ^2/NDF: 27.4/26

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4603.560+/-1404.137 χ^2/NDF: 26.1/30

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

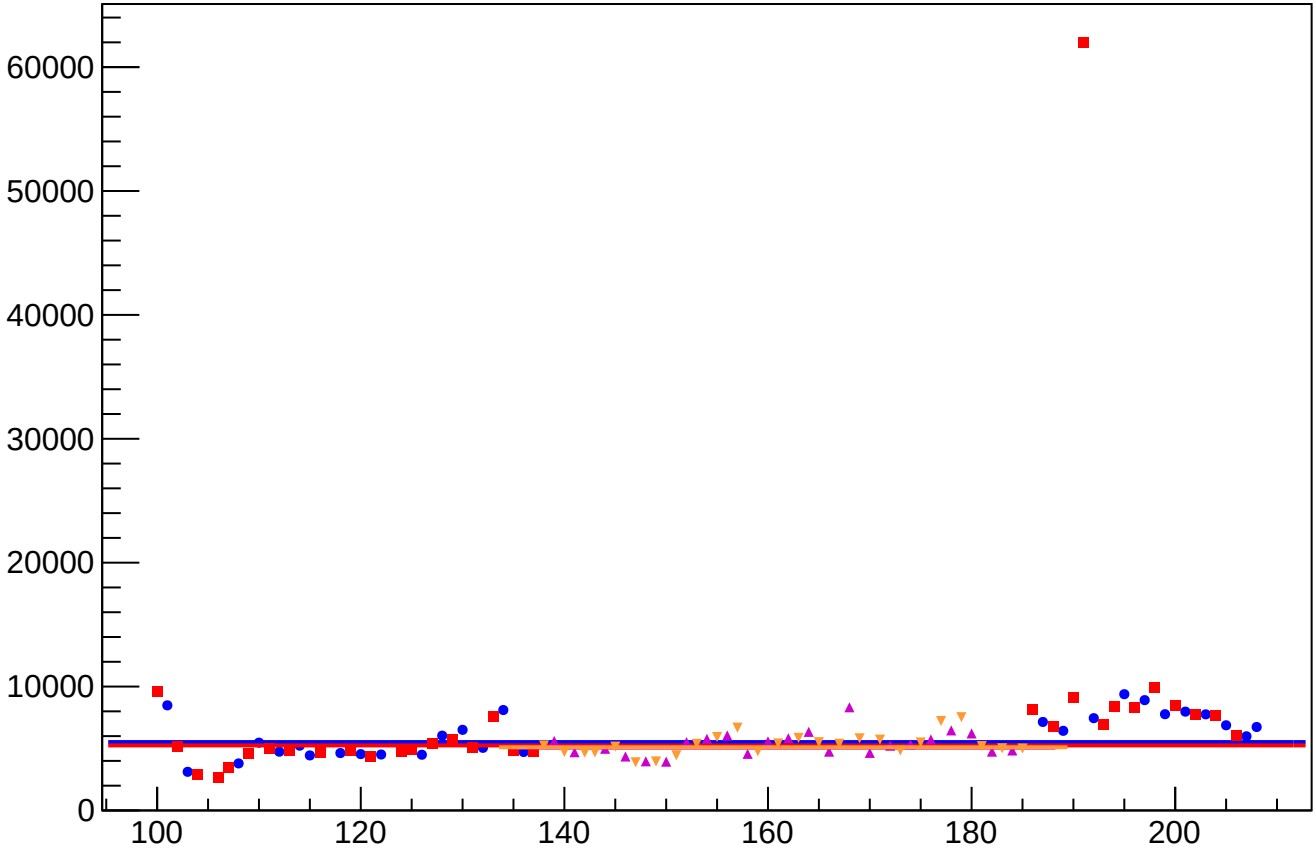
Right: 3760.933+/-1010.563 χ^2/NDF: 54.3/57

In: 2682.227+/-927.947 χ^2/NDF:43.4/49

Out: 2873.584+/-902.760 χ^2/NDF:54.7/55

All: 2780.537+/-647.069 χ^2/NDF: 98.1/105

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5518.807+/-1.029 χ^2/NDF: 2681487.3/26

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5249.680+/-0.987 χ^2/NDF: 3579976.7/30

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

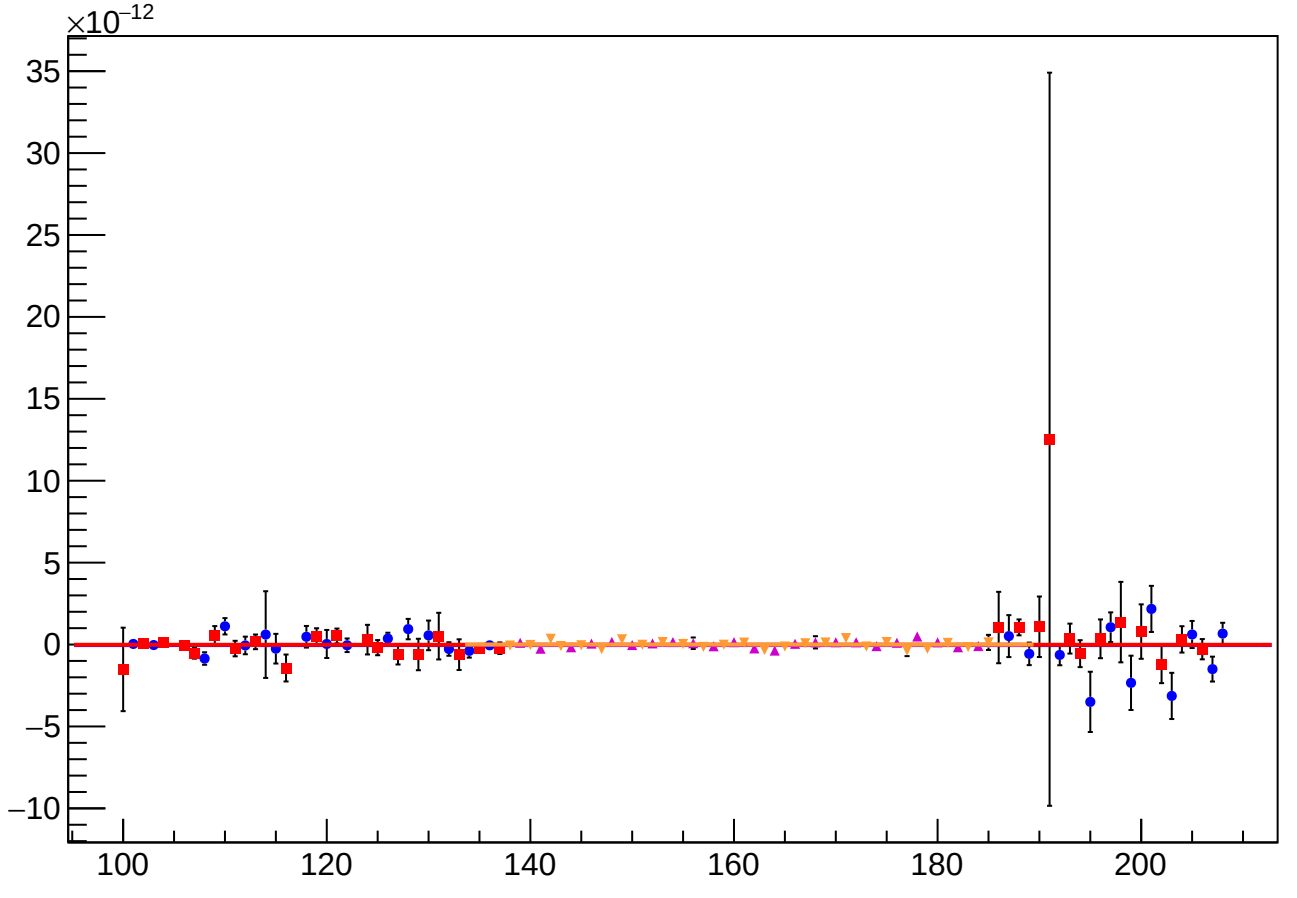
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5378.580+/-0.712 χ^2/NDF: 6297089.6/57

In: 5254.513+/-0.656 χ^2/NDF:3784493.6/49

Out: 5162.692+/-0.637 χ^2/NDF:4502621.3/55

All: 5207.223+/-0.457 χ^2/NDF: 8297200.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/30

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

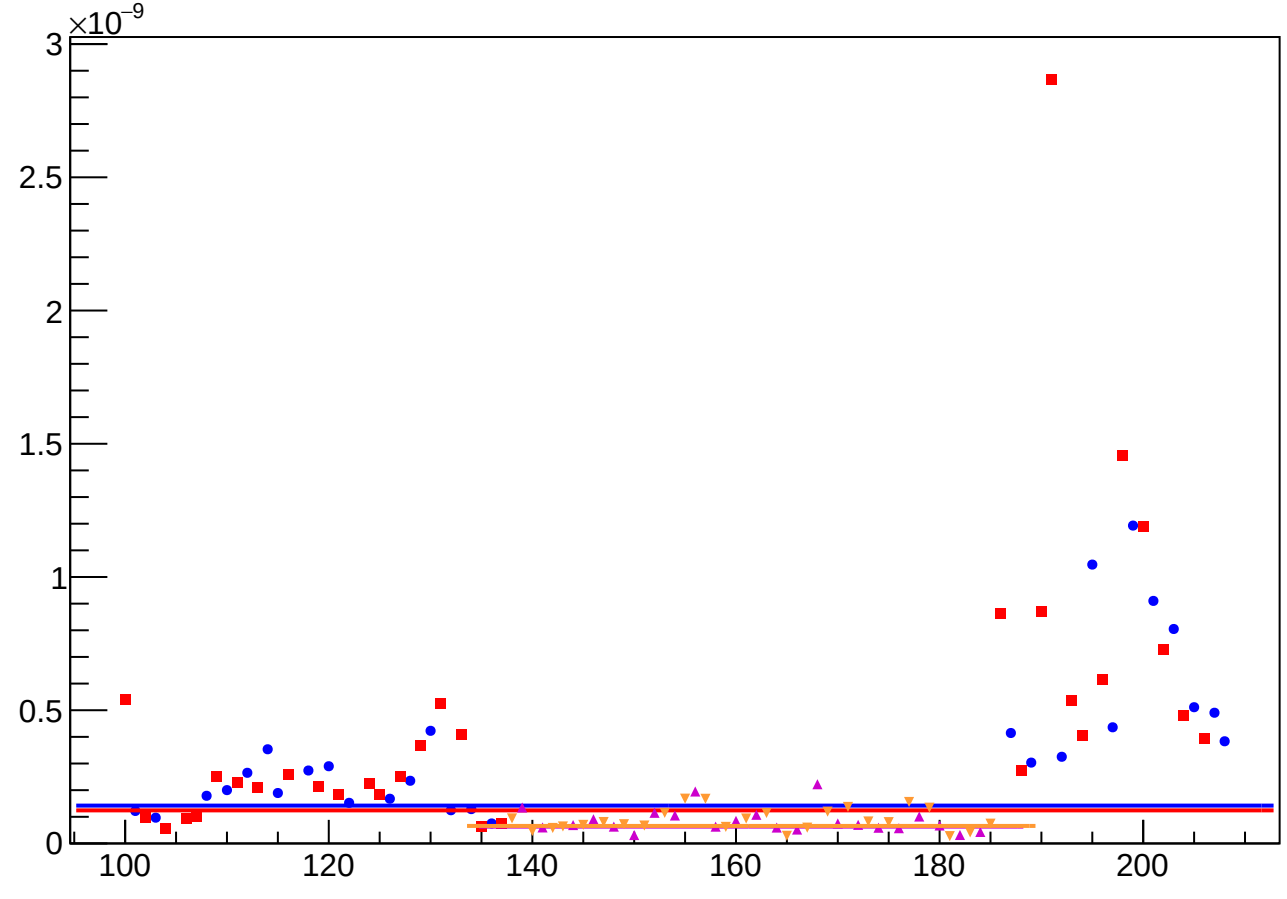
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 60.8/57

In: -0.000+/-0.000 χ^2/NDF:69.8/49

Out: -0.000+/-0.000 χ^2/NDF:56.7/55

All: -0.000+/-0.000 χ^2/NDF: 126.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 5311974.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6546628.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

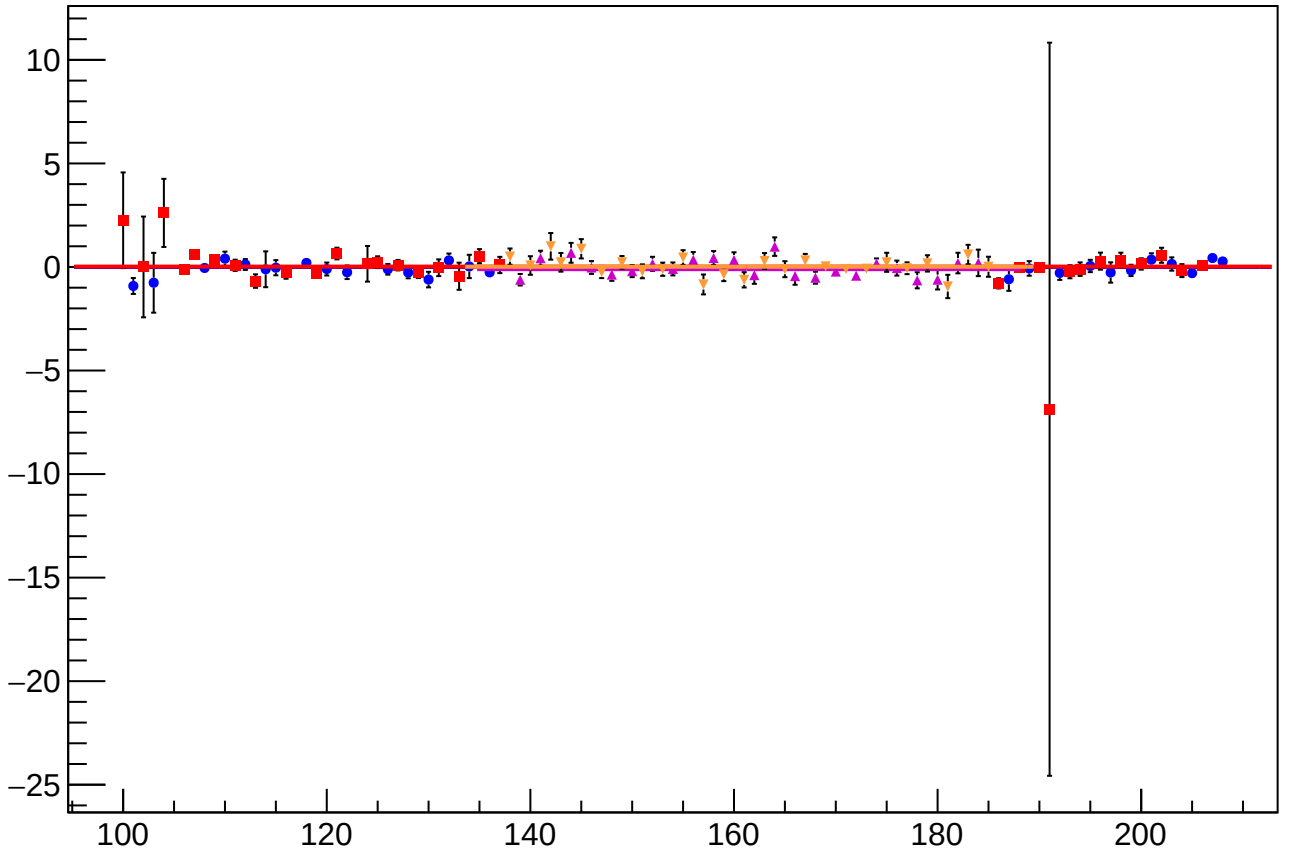
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11921494.7/57

In: 0.000+/-0.000 χ^2/NDF:9569024.2/49

Out: 0.000+/-0.000 χ^2/NDF:10218507.2/55

All: 0.000+/-0.000 χ^2/NDF: 19787858.8/105



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

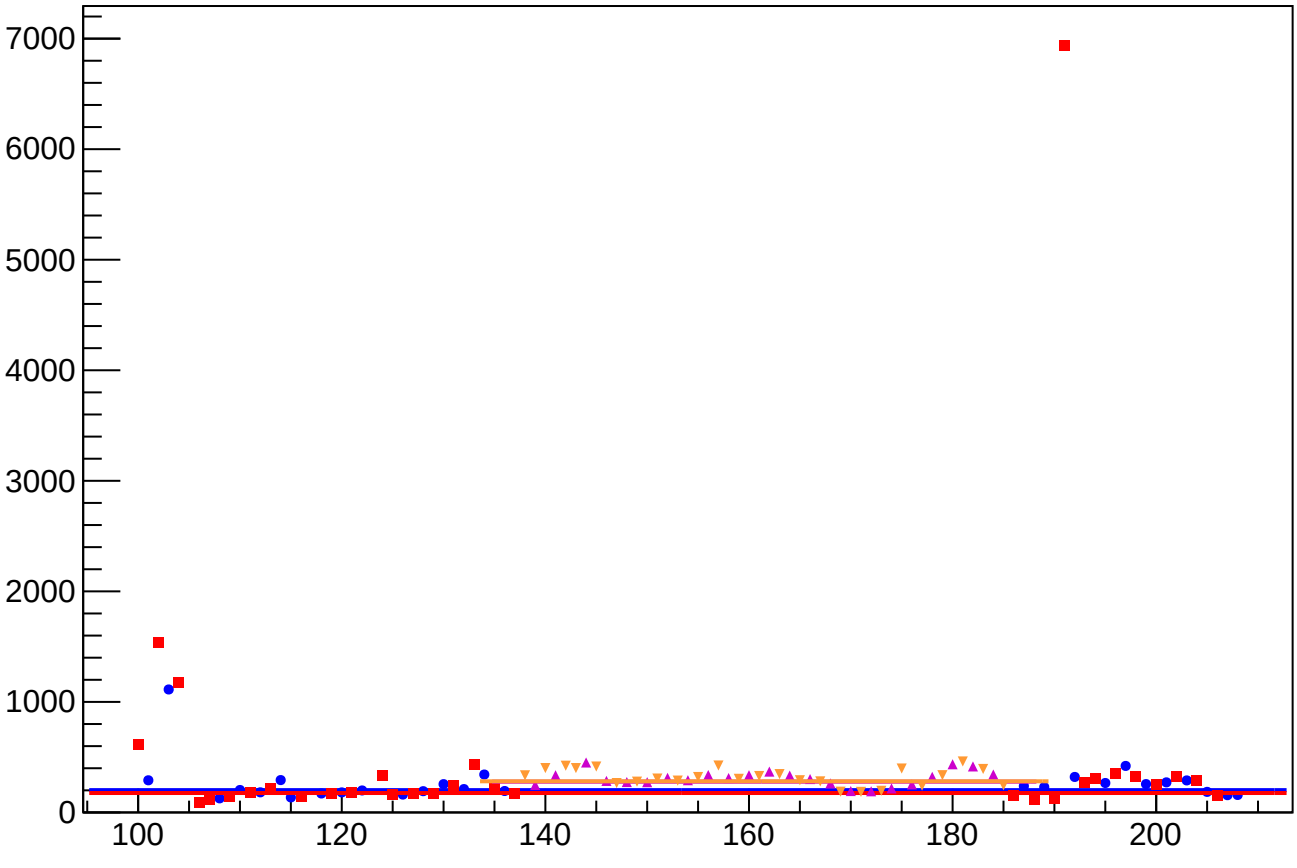
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.009+/-0.037 χ^2/NDF: 74.6/57

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.011+/-0.029 χ^2/NDF: 133.5/105



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

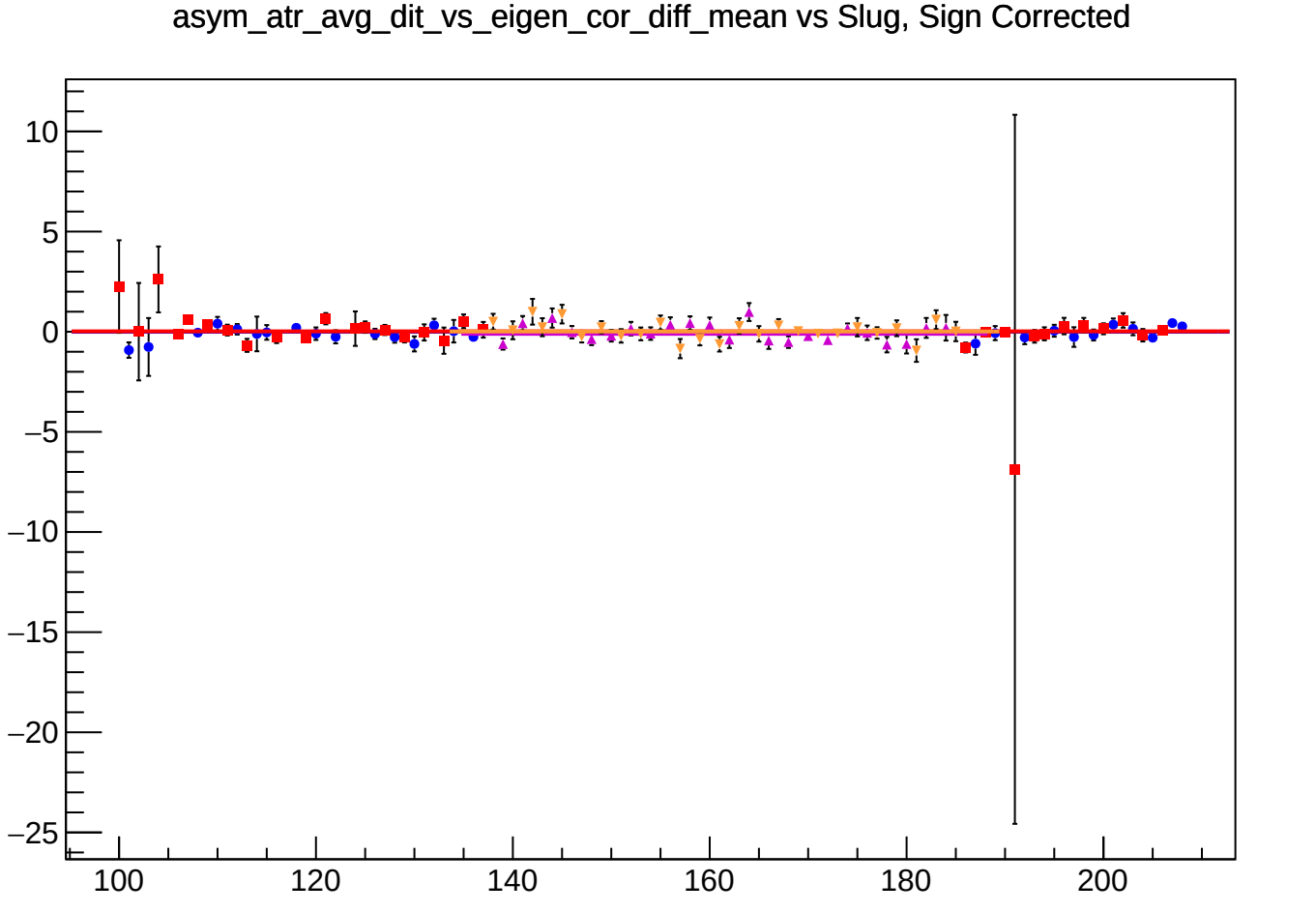
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 187.629+/-0.026 χ^2/NDF: 8603493.2/57

In: 232.245+/-0.031 χ^2/NDF:6186942.3/49

Out: 213.207+/-0.029 χ^2/NDF:11131750.5/55

All: 222.100+/-0.021 χ^2/NDF: 17526173.0/10



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

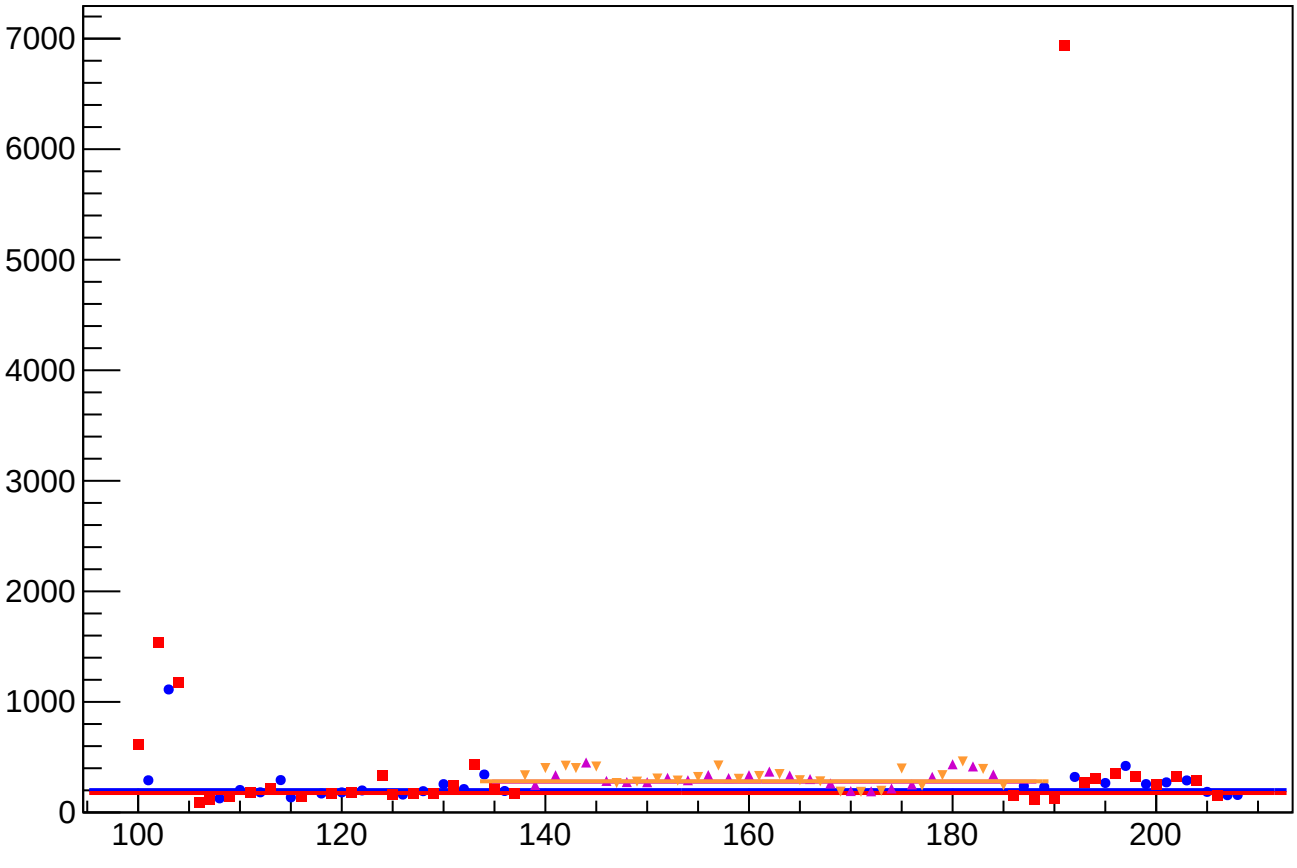
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.009+/-0.037 χ^2/NDF: 74.6/57

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.011+/-0.029 χ^2/NDF: 133.5/105



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

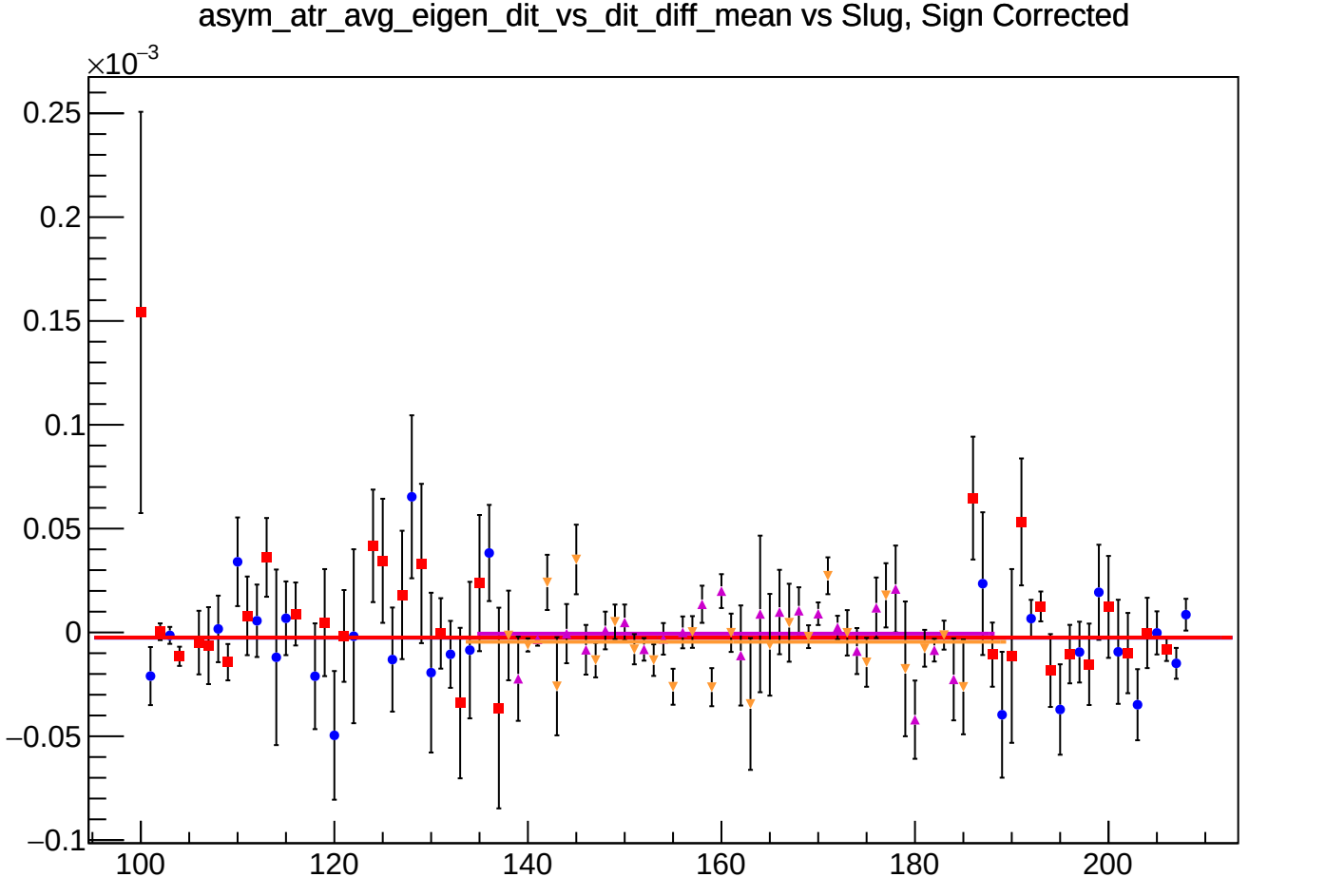
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 187.629+/-0.026 χ^2/NDF: 8603493.2/57

In: 232.245+/-0.031 χ^2/NDF:6186942.3/49

Out: 213.207+/-0.029 χ^2/NDF:11131750.5/55

All: 222.100+/-0.021 χ^2/NDF: 17526173.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.7/30

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

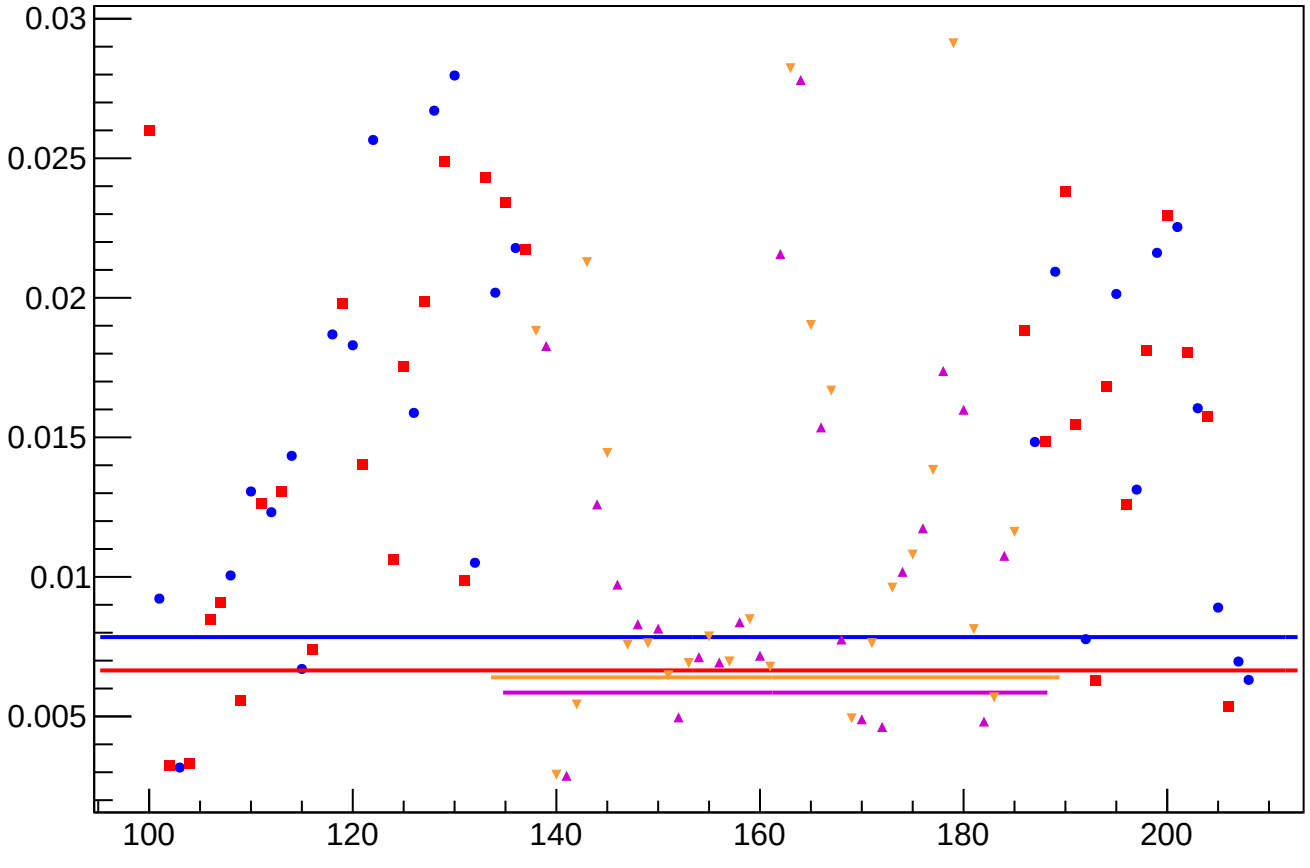
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 68.0/57

In: -0.000+/-0.000 χ^2/NDF:59.8/49

Out: -0.000+/-0.000 χ^2/NDF:84.7/55

All: -0.000+/-0.000 χ^2/NDF: 146.1/105



Right In: 0.008+/-0.000 χ^2/NDF: 9572303.8/26

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11600229.3/30

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

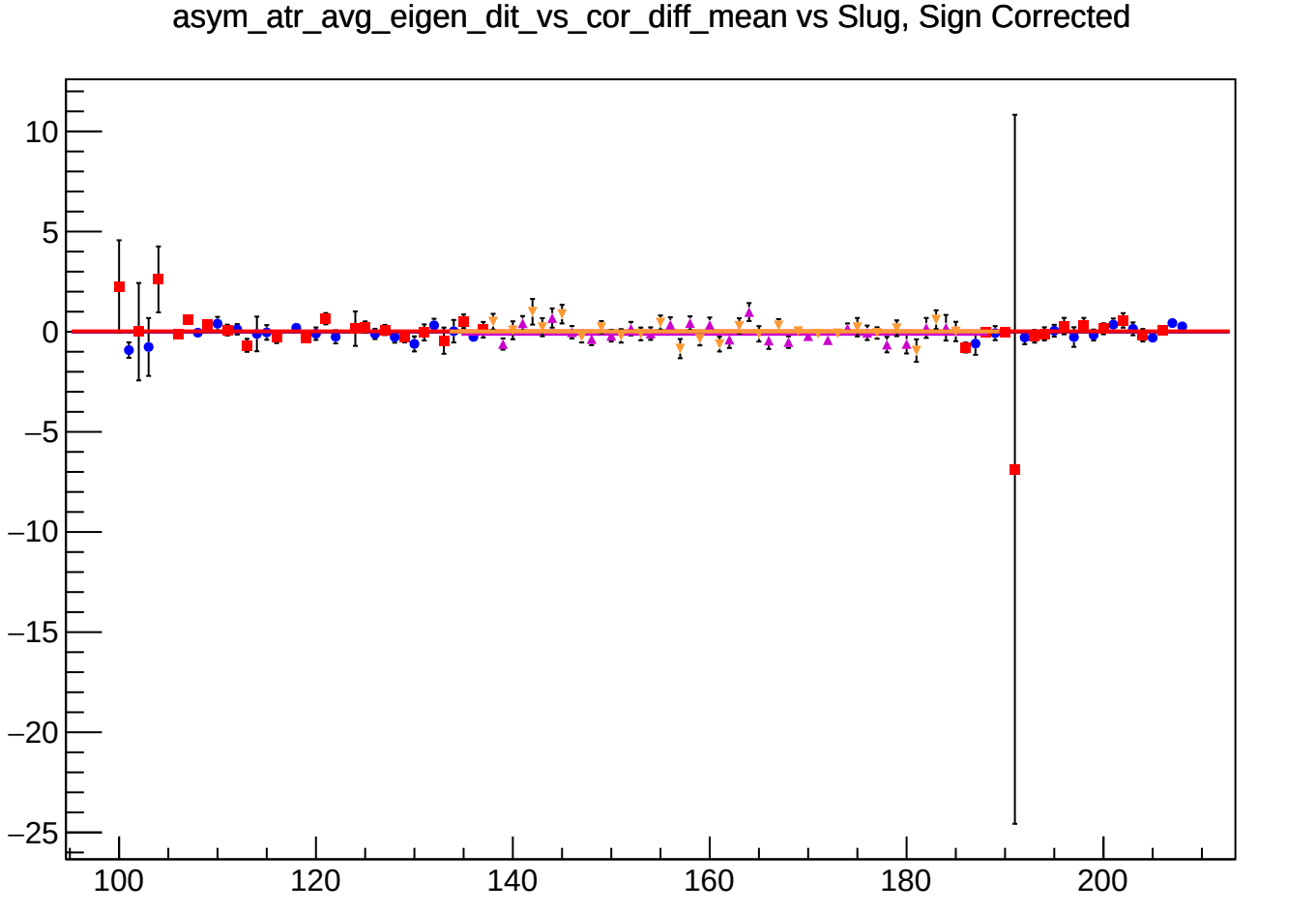
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 21445229.1/57

In: 0.006+/-0.000 χ^2/NDF:18616290.6/49

Out: 0.007+/-0.000 χ^2/NDF:20581494.1/55

All: 0.006+/-0.000 χ^2/NDF: 39198776.9/105



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

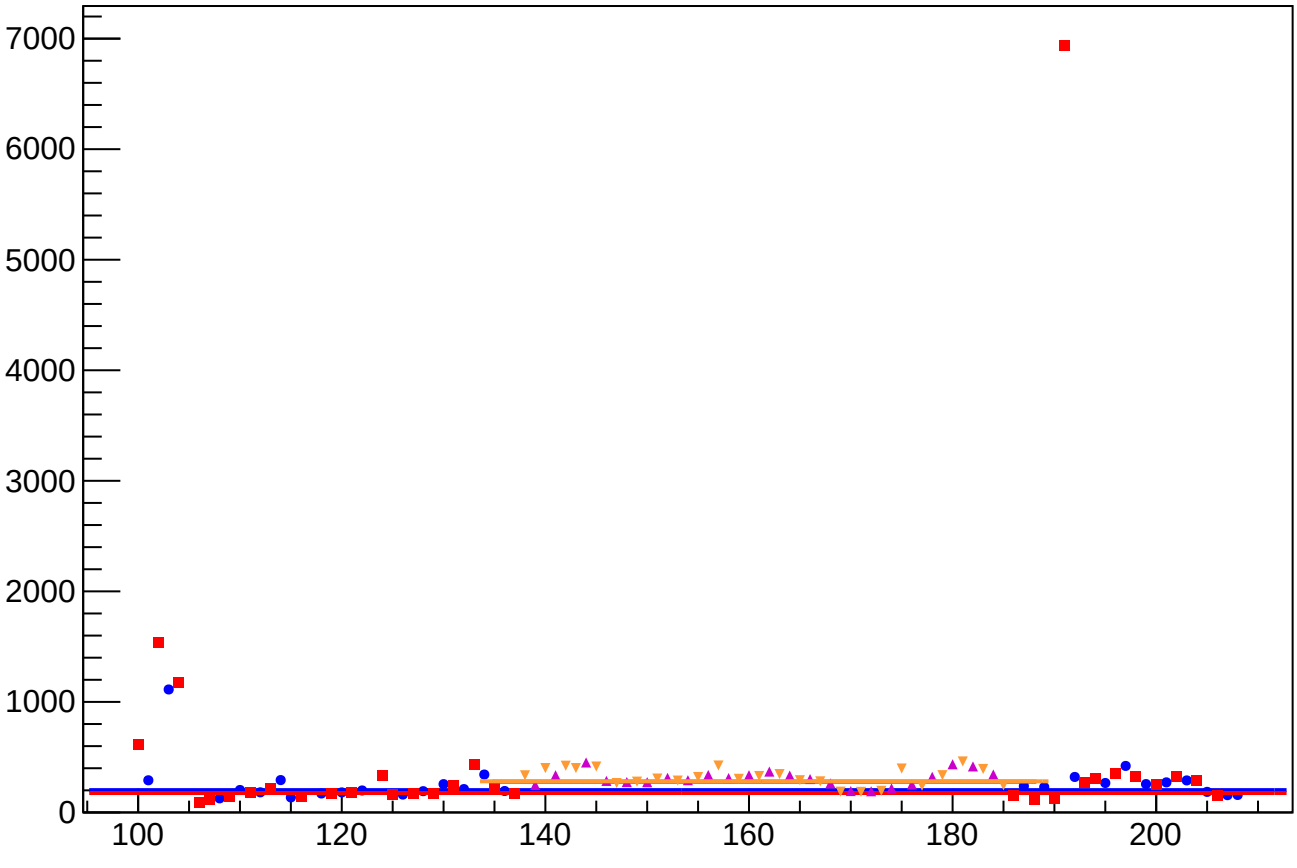
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.009+/-0.037 χ^2/NDF: 74.6/57

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.011+/-0.029 χ^2/NDF: 133.5/105



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

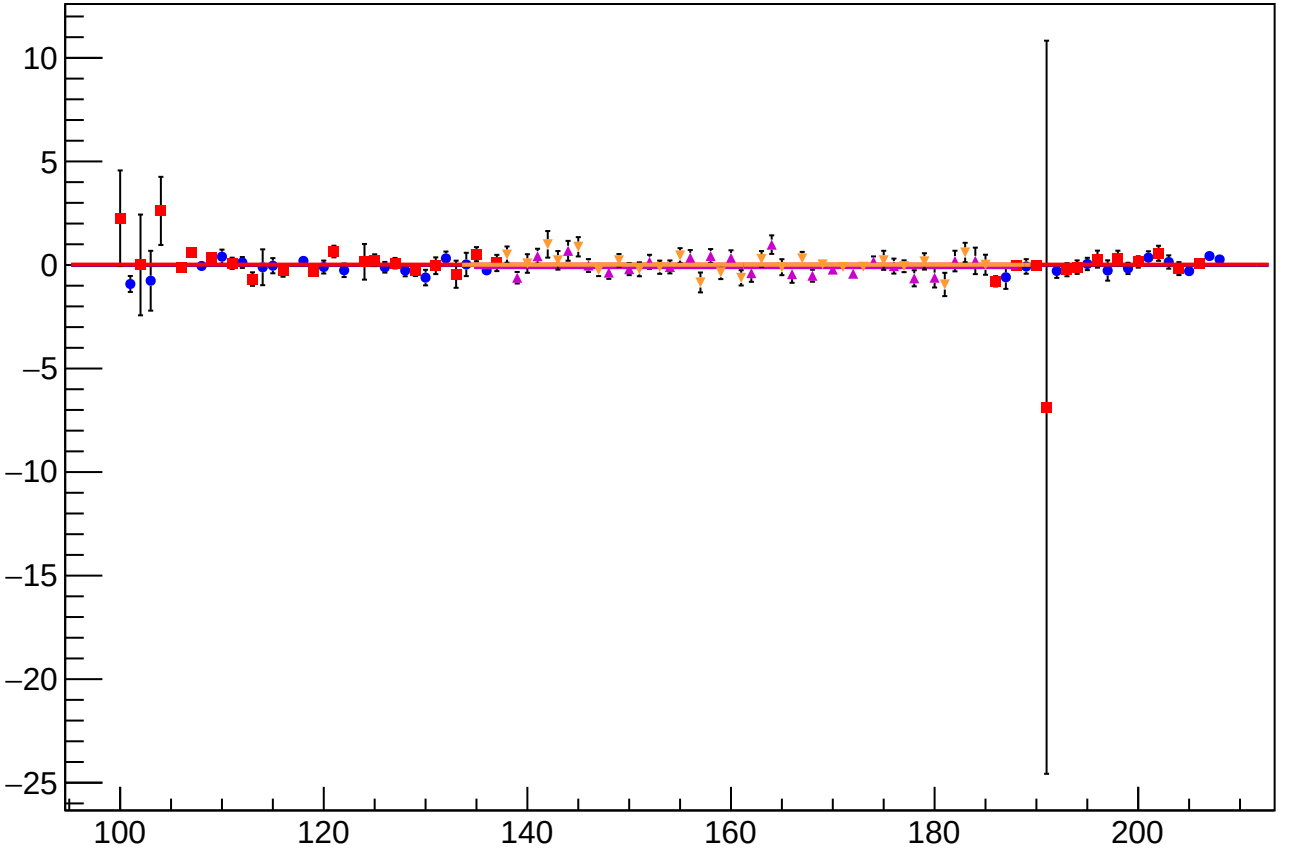
Right: 187.627+/-0.026 χ^2/NDF: 8603714.9/57

In: 232.245+/-0.031 χ^2/NDF:6187096.4/49

Out: 213.204+/-0.029 χ^2/NDF:11132283.5/55

All: 222.099+/-0.021 χ^2/NDF: 17526912.1/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.018+/-0.050 χ^2/NDF: 45.0/30

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

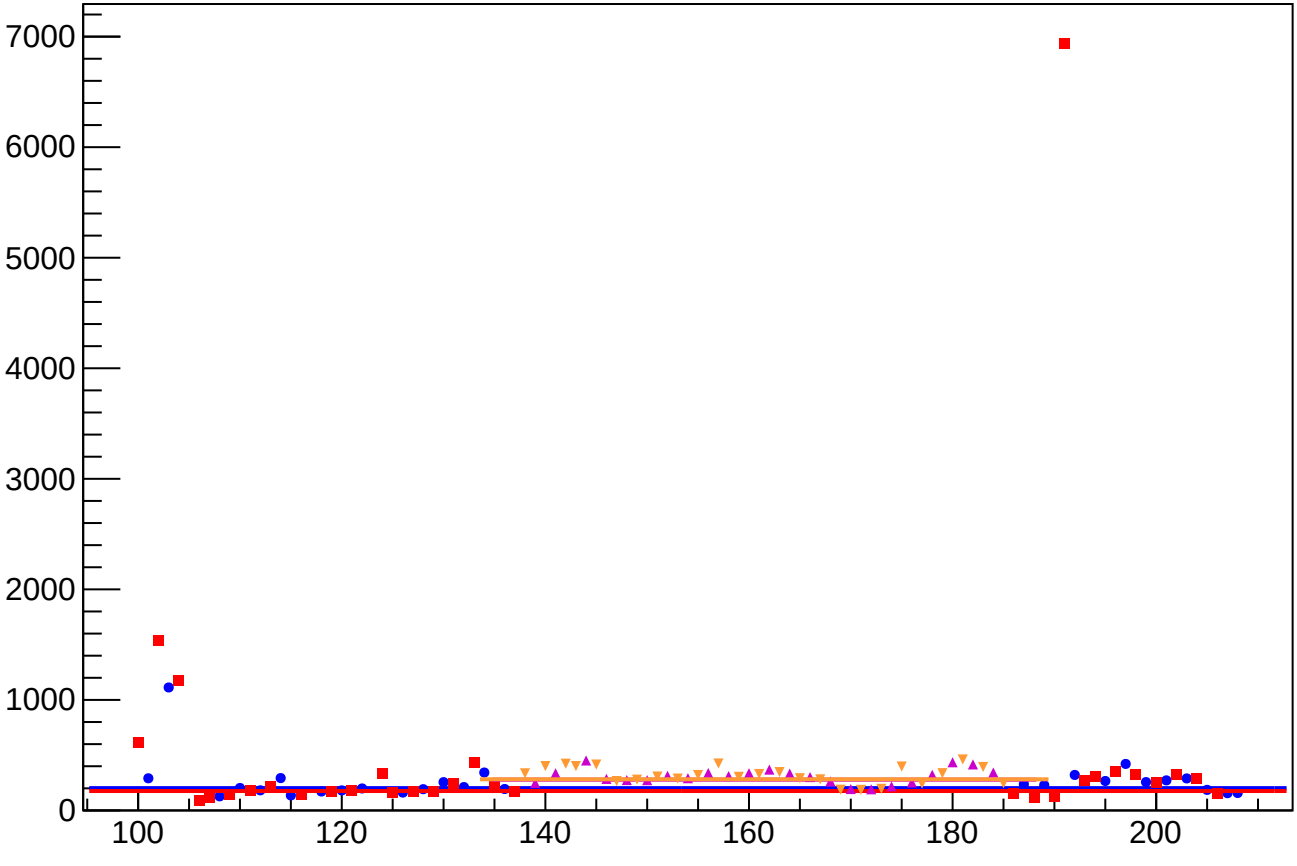
Right: 0.009+/-0.037 χ^2/NDF: 74.6/57

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.011+/-0.029 χ^2/NDF: 133.5/105

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

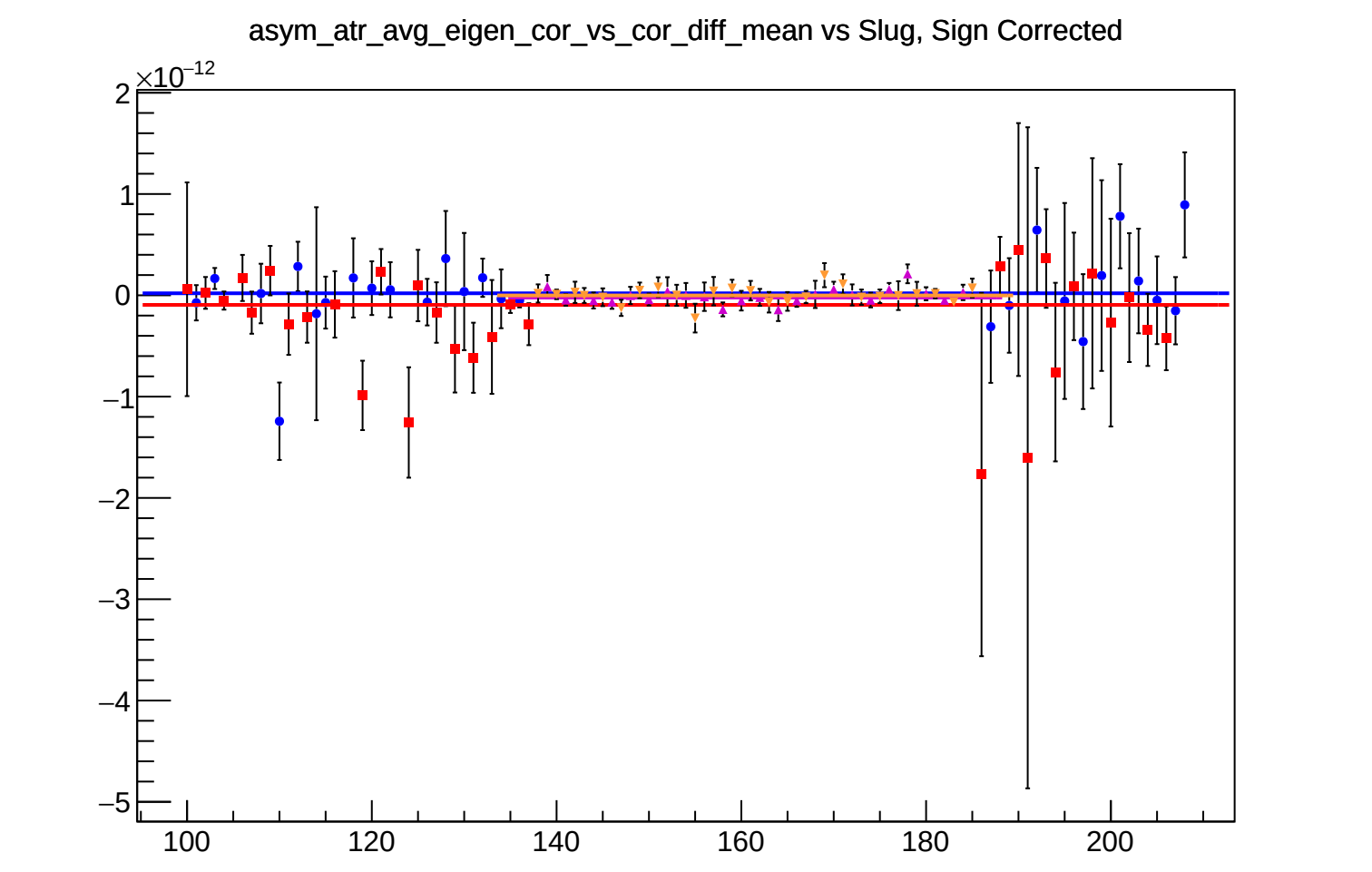
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 187.627+/-0.026 χ^2/NDF: 8603714.9/57

In: 232.245+/-0.031 χ^2/NDF:6187096.4/49

Out: 213.204+/-0.029 χ^2/NDF:11132283.5/55

All: 222.099+/-0.021 χ^2/NDF: 17526912.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

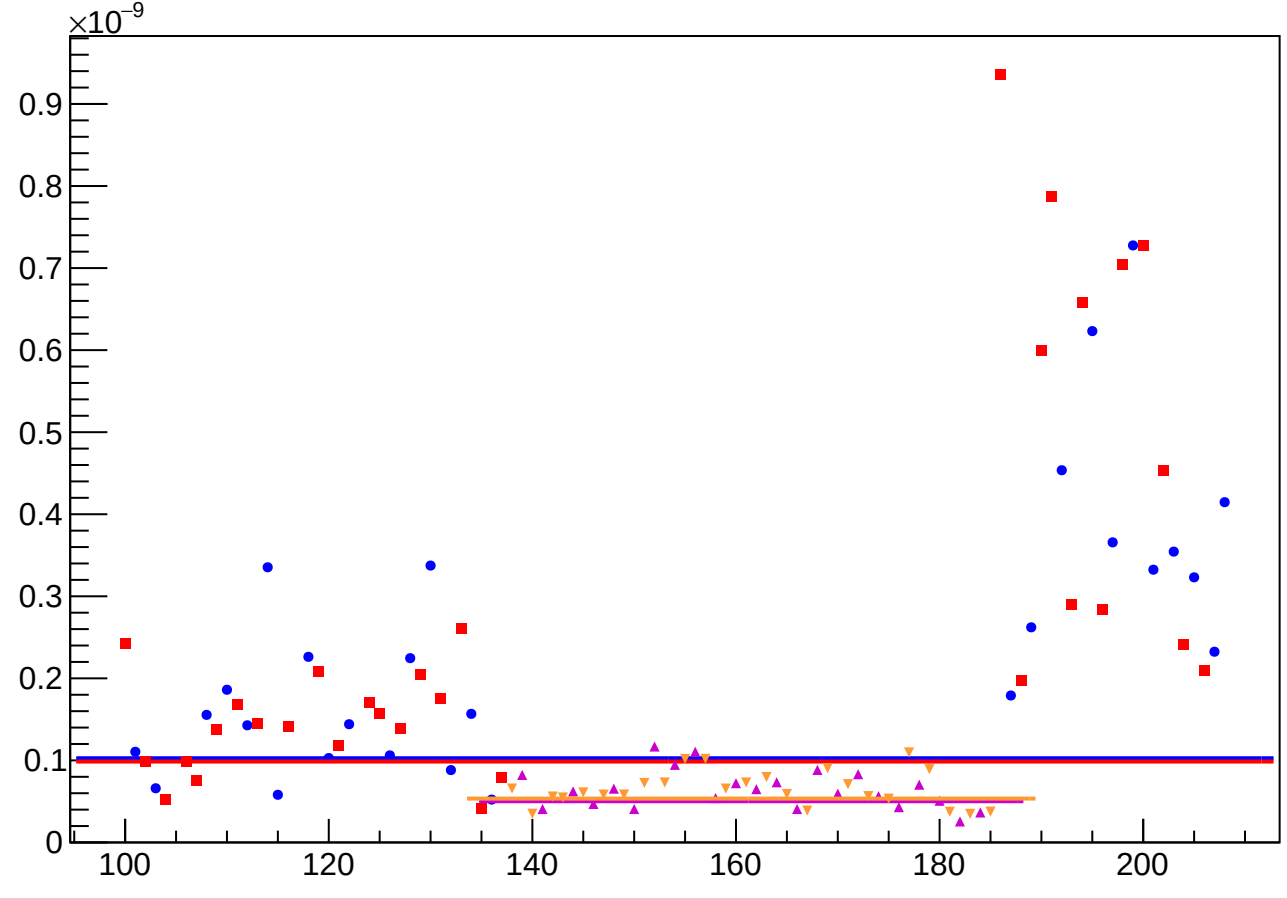
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 57.4/57

In: -0.000+/-0.000 χ^2/NDF:42.1/49

Out: -0.000+/-0.000 χ^2/NDF:48.9/55

All: -0.000+/-0.000 χ^2/NDF: 91.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 7574985.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7491343.3/30

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

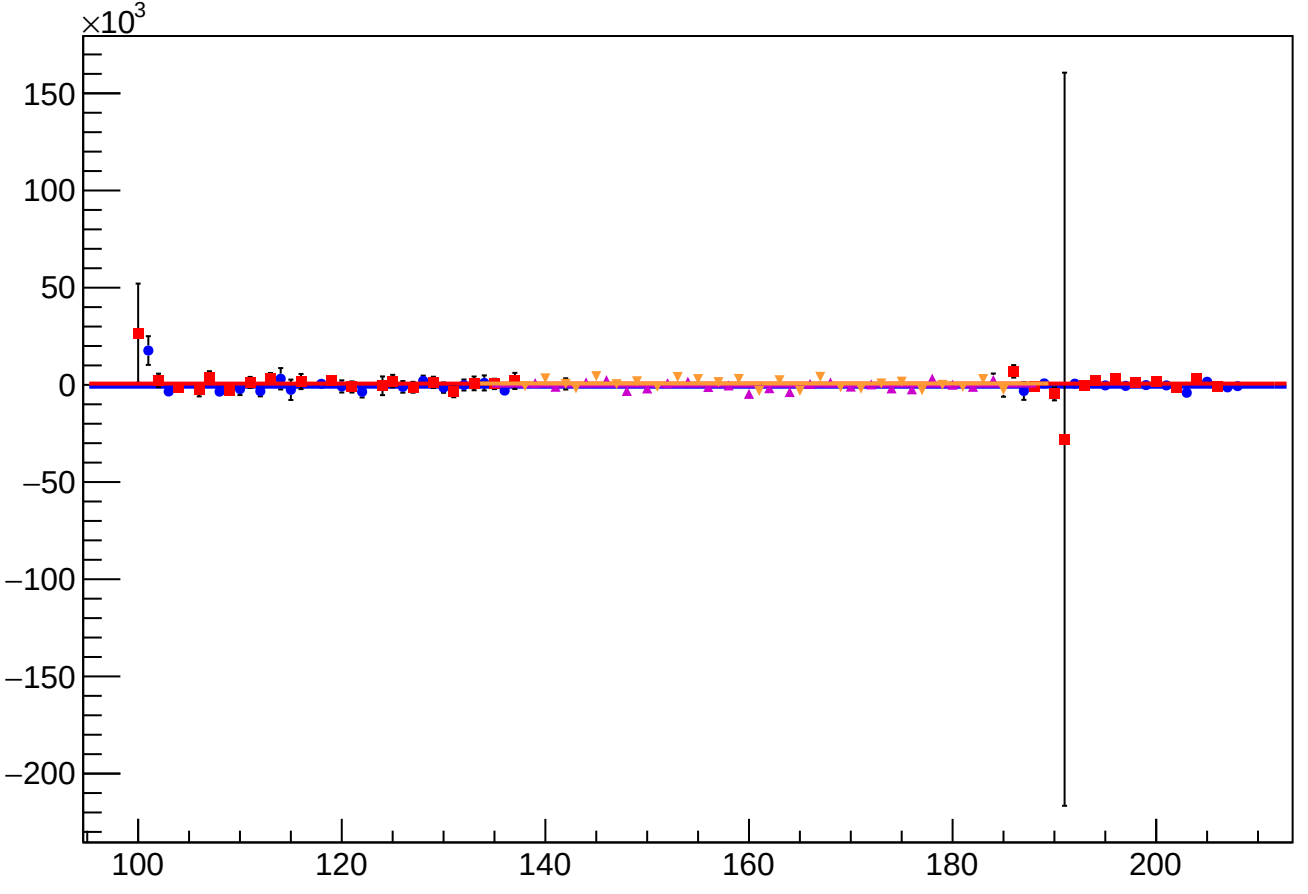
Right: 0.000+/-0.000 χ^2/NDF: 15075085.7/57

In: 0.000+/-0.000 χ^2/NDF:13498676.0/49

Out: 0.000+/-0.000 χ^2/NDF:12227260.5/55

All: 0.000+/-0.000 χ^2/NDF: 25762475.8/105

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -942.098+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 648.361+/-481.363 χ^2/NDF: 23.3/30

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

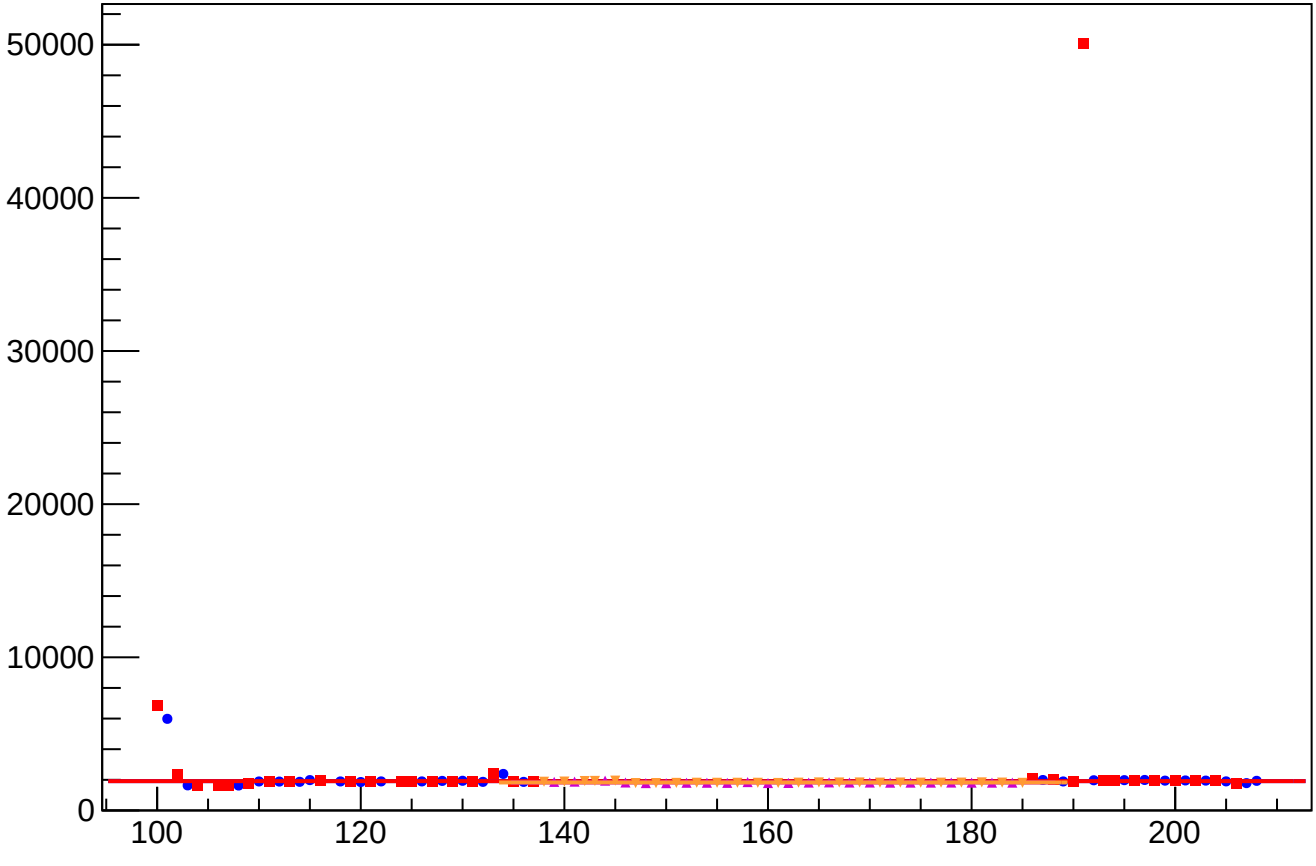
Right: -137.799+/-342.310 χ^2/NDF: 48.2/57

In: -636.969+/-320.697 χ^2/NDF:41.0/49

Out: 681.251+/-314.481 χ^2/NDF:55.2/55

All: 35.040+/-224.537 χ^2/NDF: 104.8/105

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.3/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.345+/-0.340 χ^2/NDF: 385868.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

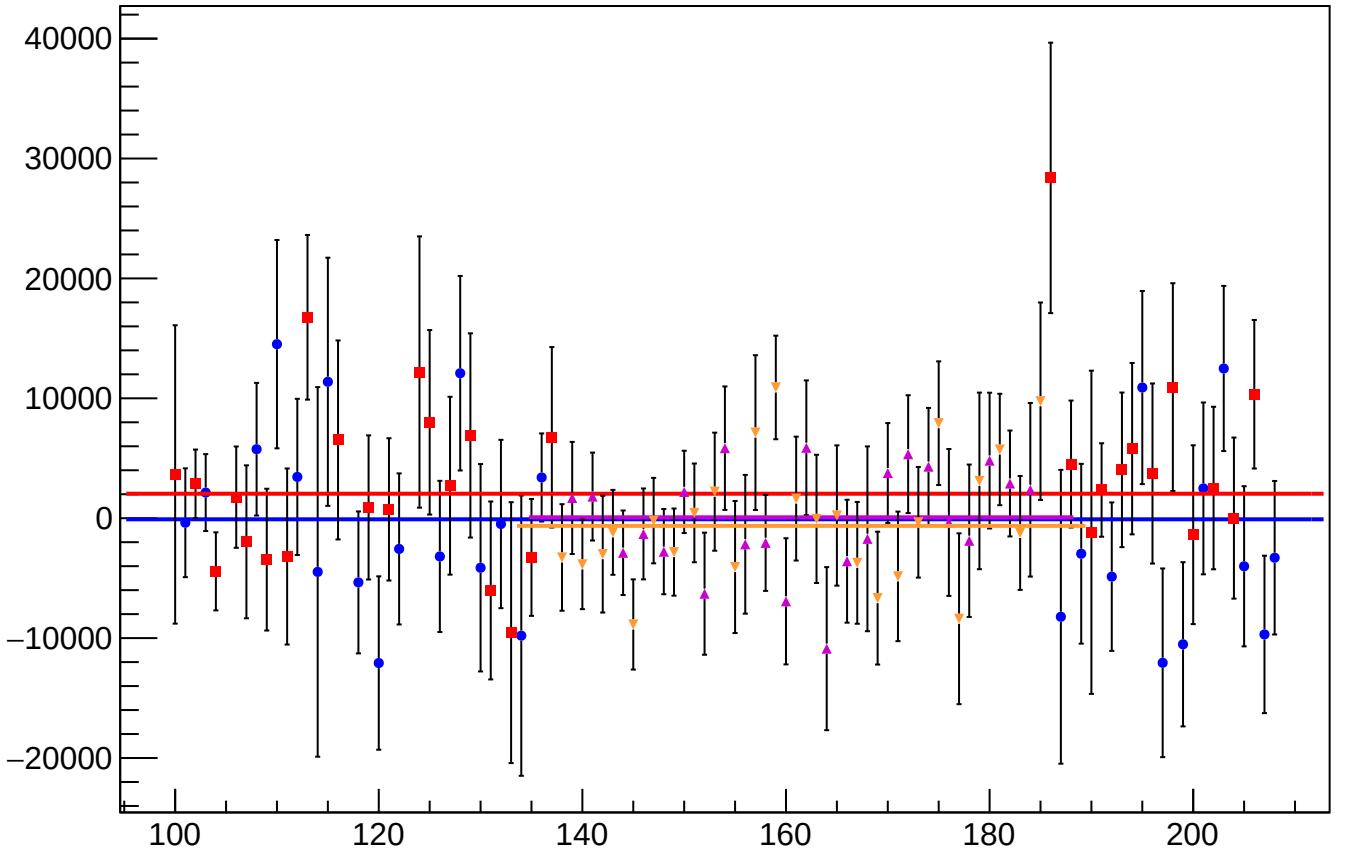
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1915.150+/-0.242 χ^2/NDF: 1102481.2/57

In: 1864.563+/-0.227 χ^2/NDF:769352.7/49

Out: 1865.060+/-0.222 χ^2/NDF:441942.7/55

All: 1864.817+/-0.159 χ^2/NDF: 1211297.8/10



Right In: -90.658+/-1220.816 χ^2/NDF: 27.9/26

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 2042.548+/-1076.646 χ^2/NDF: 25.7/30

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

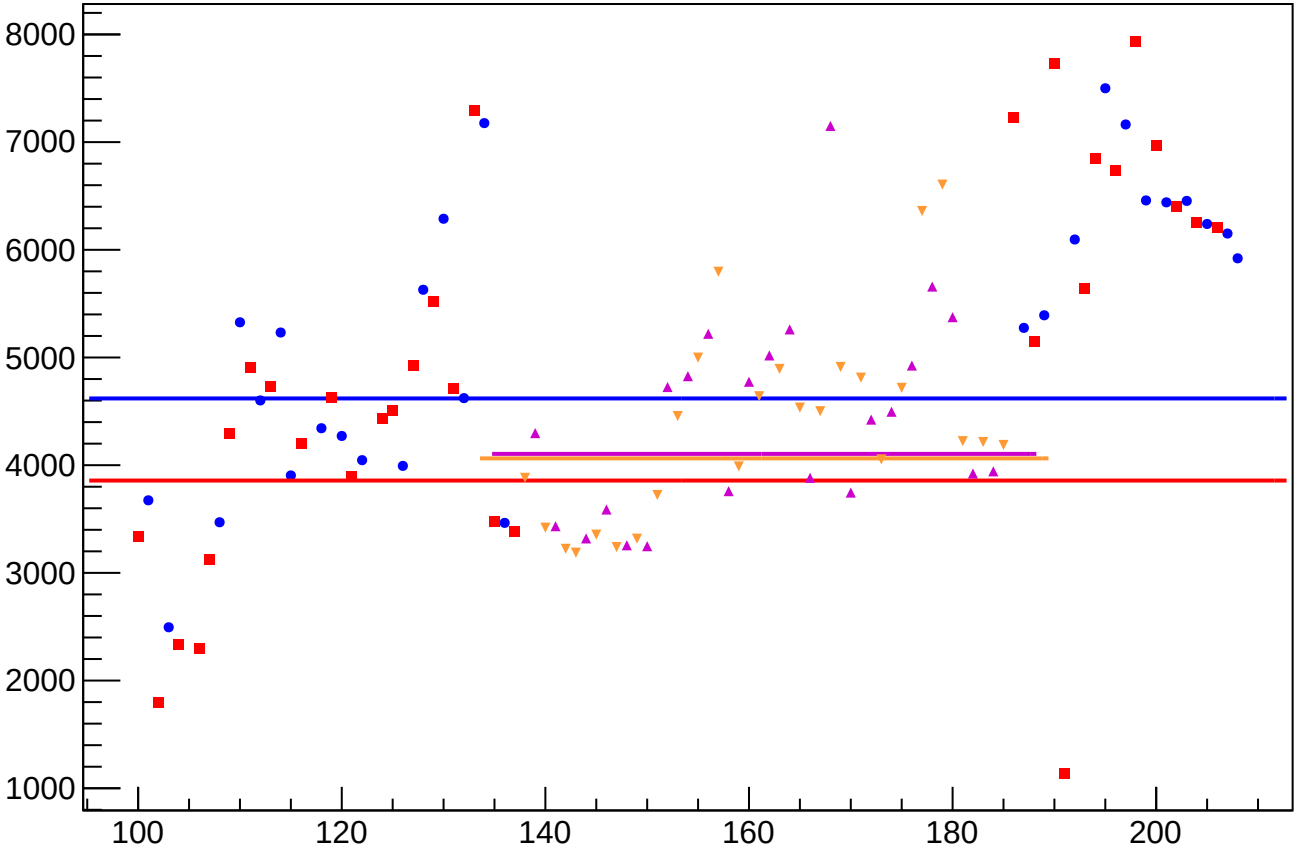
Right: 1109.283+/-807.489 χ^2/NDF: 55.4/57

In: 10.528+/-764.343 χ^2/NDF:43.4/49

Out: 531.226+/-711.016 χ^2/NDF:55.2/55

All: 289.673+/-520.597 χ^2/NDF: 98.8/105

asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4619.752+/-0.863 χ^2/NDF: 2850570.0/26

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3857.499+/-0.761 χ^2/NDF: 6123712.3/30

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

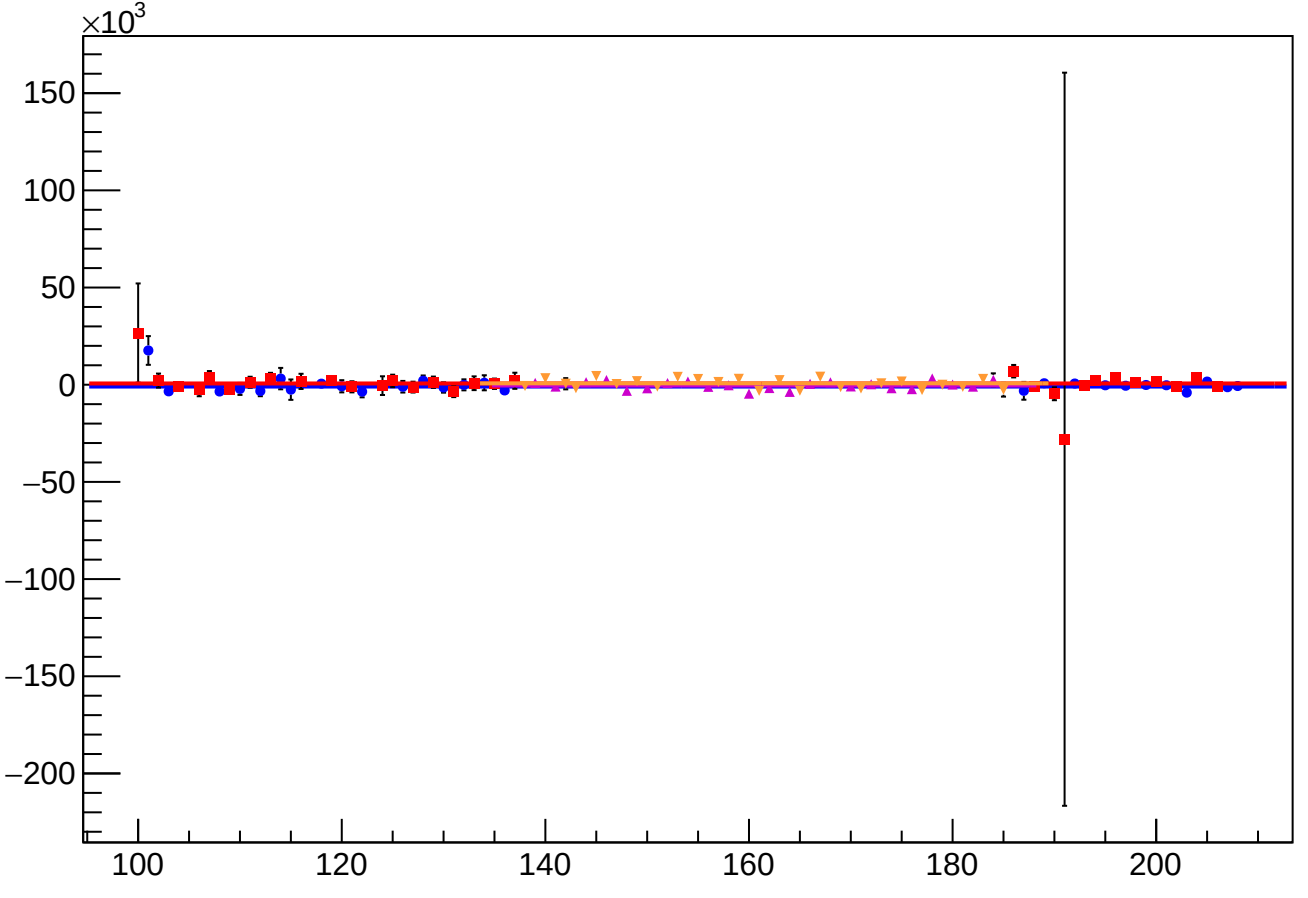
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 4190.980+/-0.571 χ^2/NDF: 9412868.4/57

In: 4306.813+/-0.540 χ^2/NDF:4426204.4/49

Out: 3973.436+/-0.503 χ^2/NDF:7569877.9/55

All: 4128.090+/-0.368 χ^2/NDF: 12200053.2/1



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 643.821+/-481.667 χ^2/NDF: 23.3/30

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

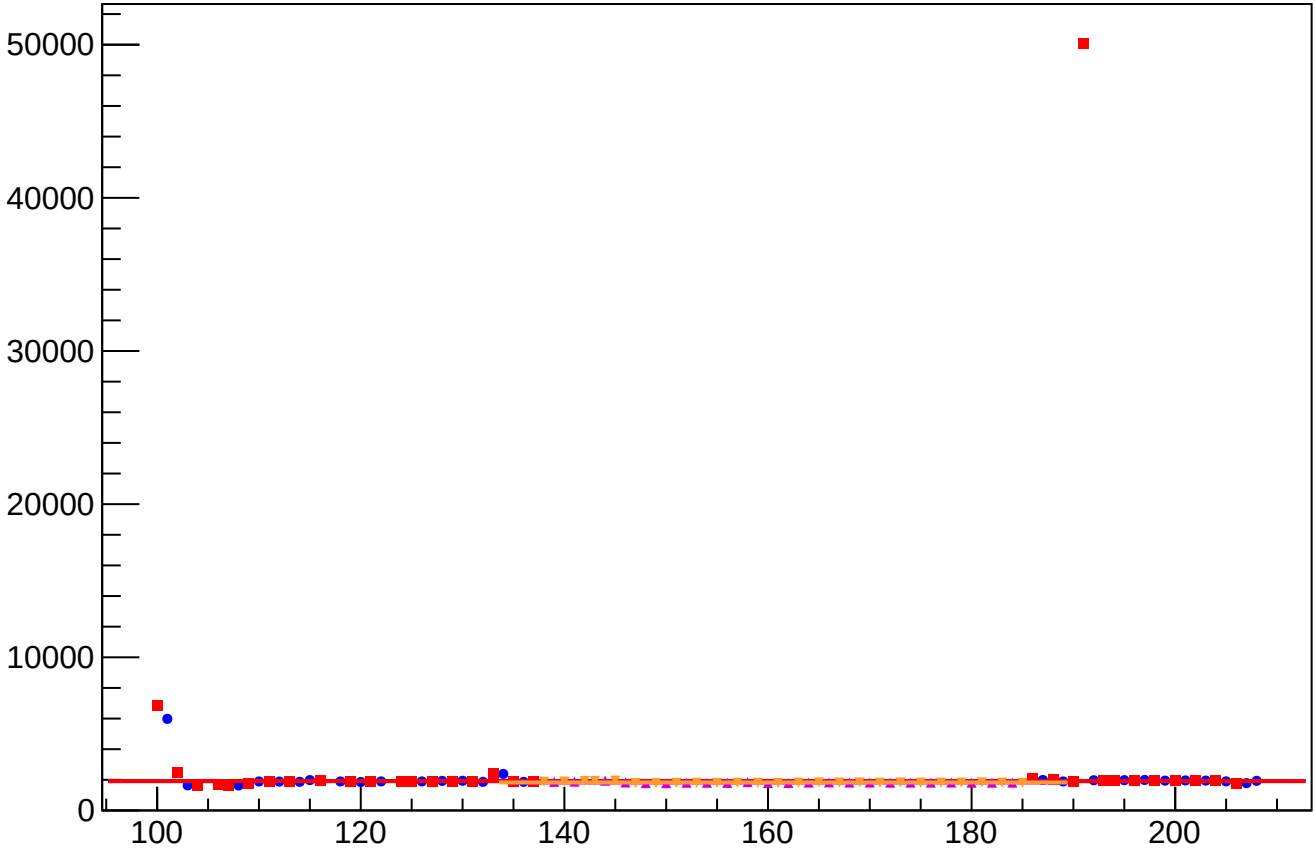
Right: -140.701+/-342.420 χ^2/NDF: 48.1/57

In: -636.968+/-320.697 χ^2/NDF:40.9/49

Out: 679.366+/-314.566 χ^2/NDF:55.2/55

All: 33.901+/-224.568 χ^2/NDF: 104.7/105

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

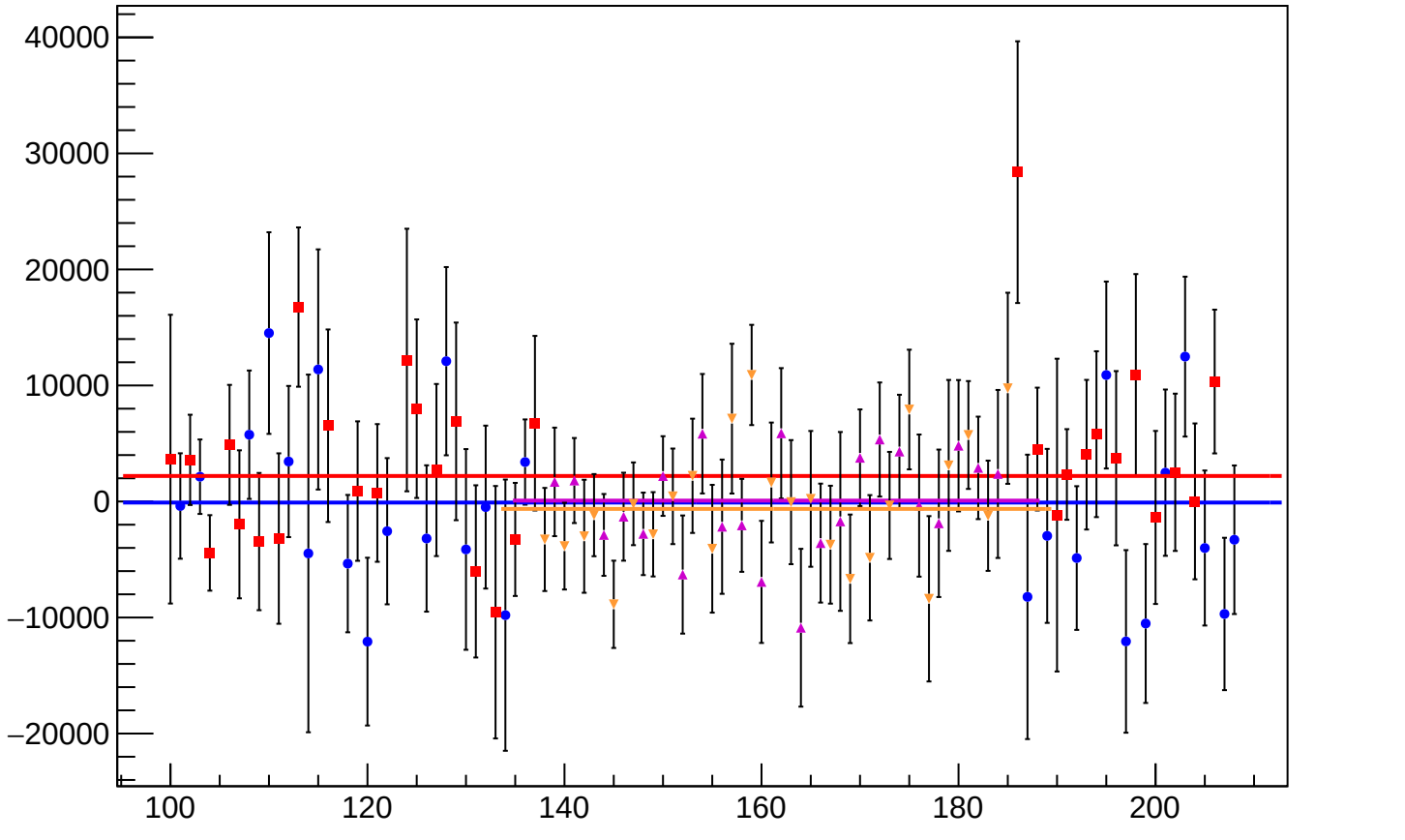
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1916.816+/-0.242 χ^2/NDF: 1109242.8/57

In: 1864.563+/-0.227 χ^2/NDF:769352.8/49

Out: 1866.402+/-0.222 χ^2/NDF:451498.9/55

All: 1865.501+/-0.159 χ^2/NDF: 1220885.2/10



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 2198.983+/-1126.355 χ^2/NDF: 26.1/30

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

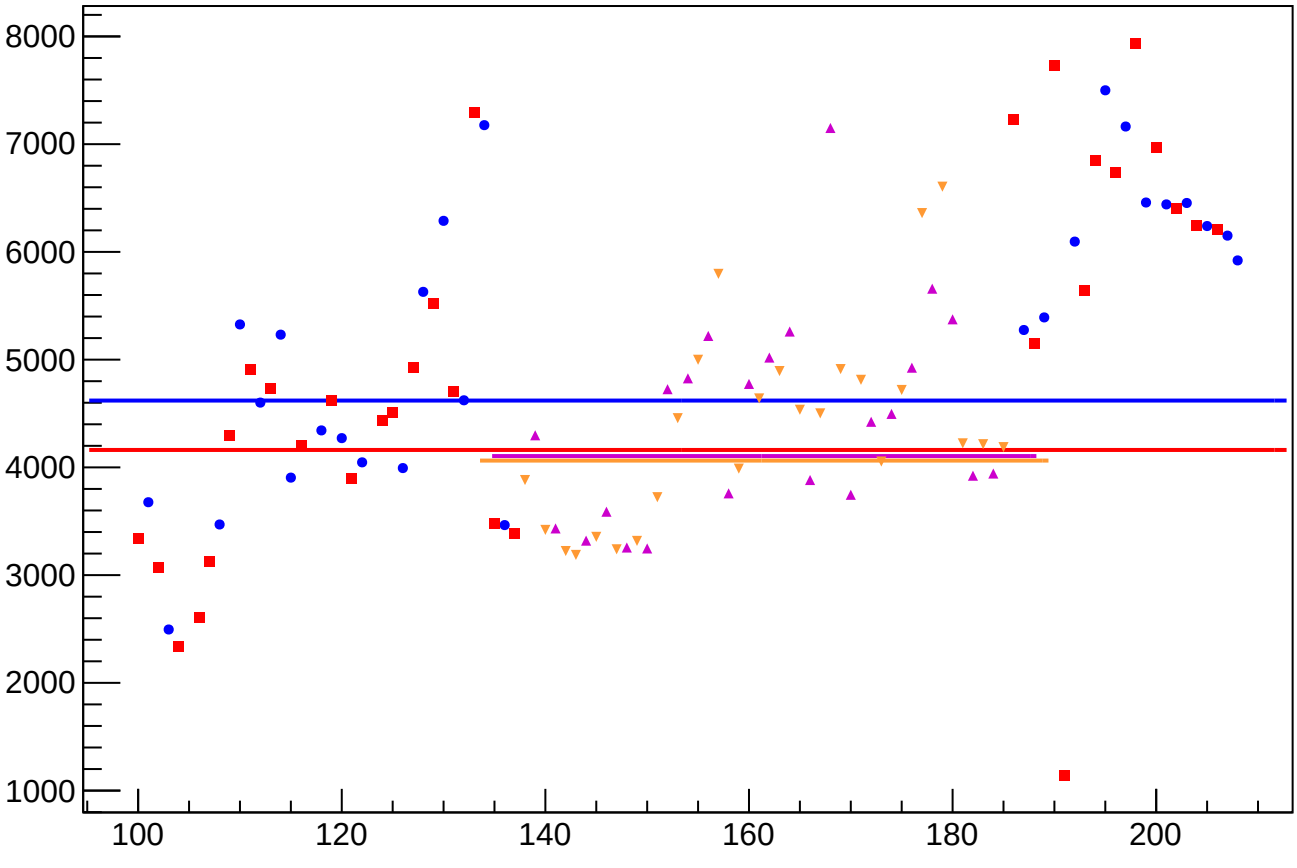
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1145.770+/-827.866 χ^2/NDF: 55.9/57

In: 10.141+/-764.367 χ^2/NDF:43.4/49

Out: 536.871+/-724.789 χ^2/NDF:55.8/55

All: 287.495+/-525.938 χ^2/NDF: 99.4/105



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

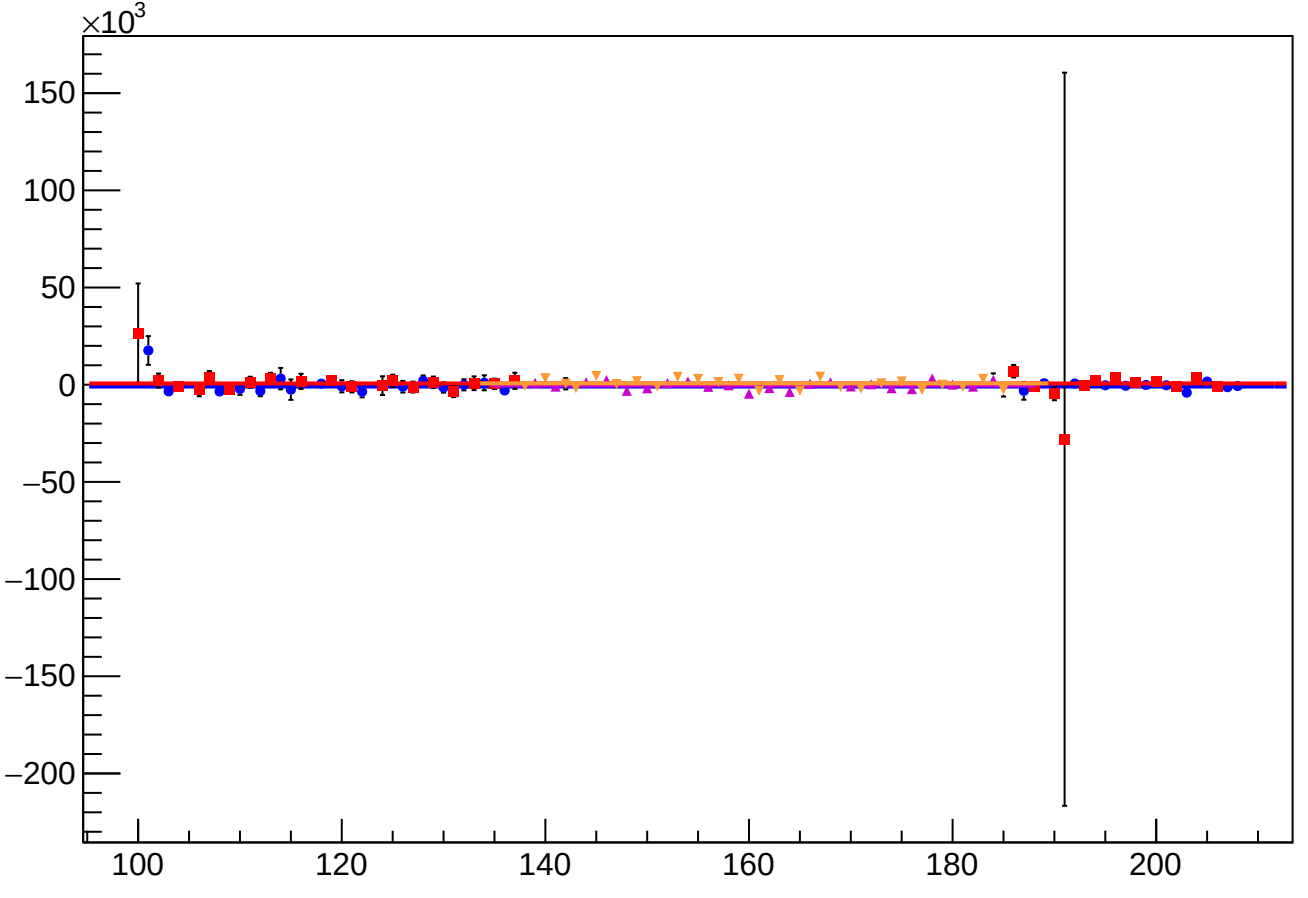
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4372.540+/-0.585 χ^2/NDF: 7868567.9/57

In: 4306.978+/-0.540 χ^2/NDF:4425251.7/49

Out: 4103.942+/-0.513 χ^2/NDF:6280986.7/55

All: 4200.067+/-0.372 χ^2/NDF: 10780544.0/1



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 643.821+/-481.667 χ^2/NDF: 23.3/30

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

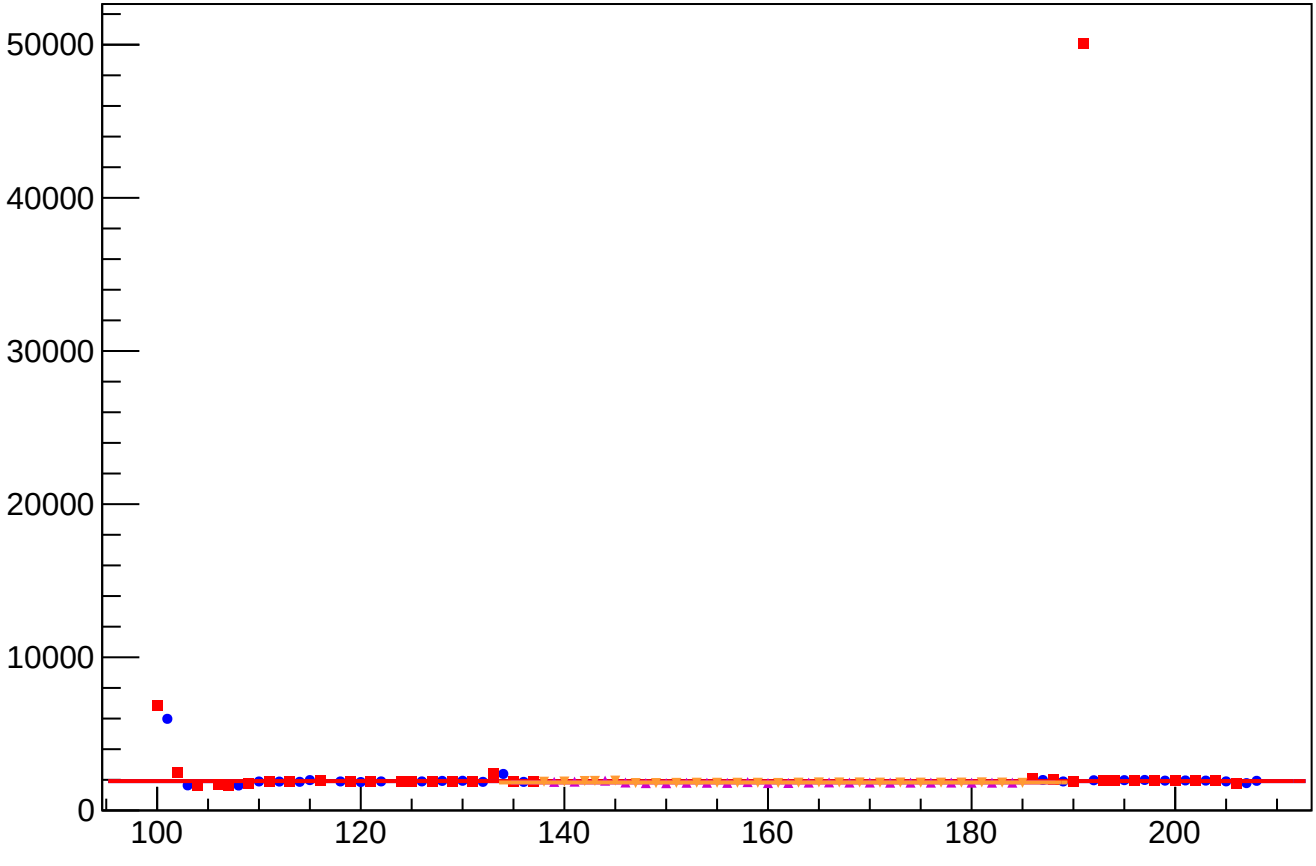
Right: -140.701+/-342.420 χ^2/NDF: 48.1/57

In: -636.968+/-320.697 χ^2/NDF:40.9/49

Out: 679.366+/-314.566 χ^2/NDF:55.2/55

All: 33.901+/-224.568 χ^2/NDF: 104.7/105

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

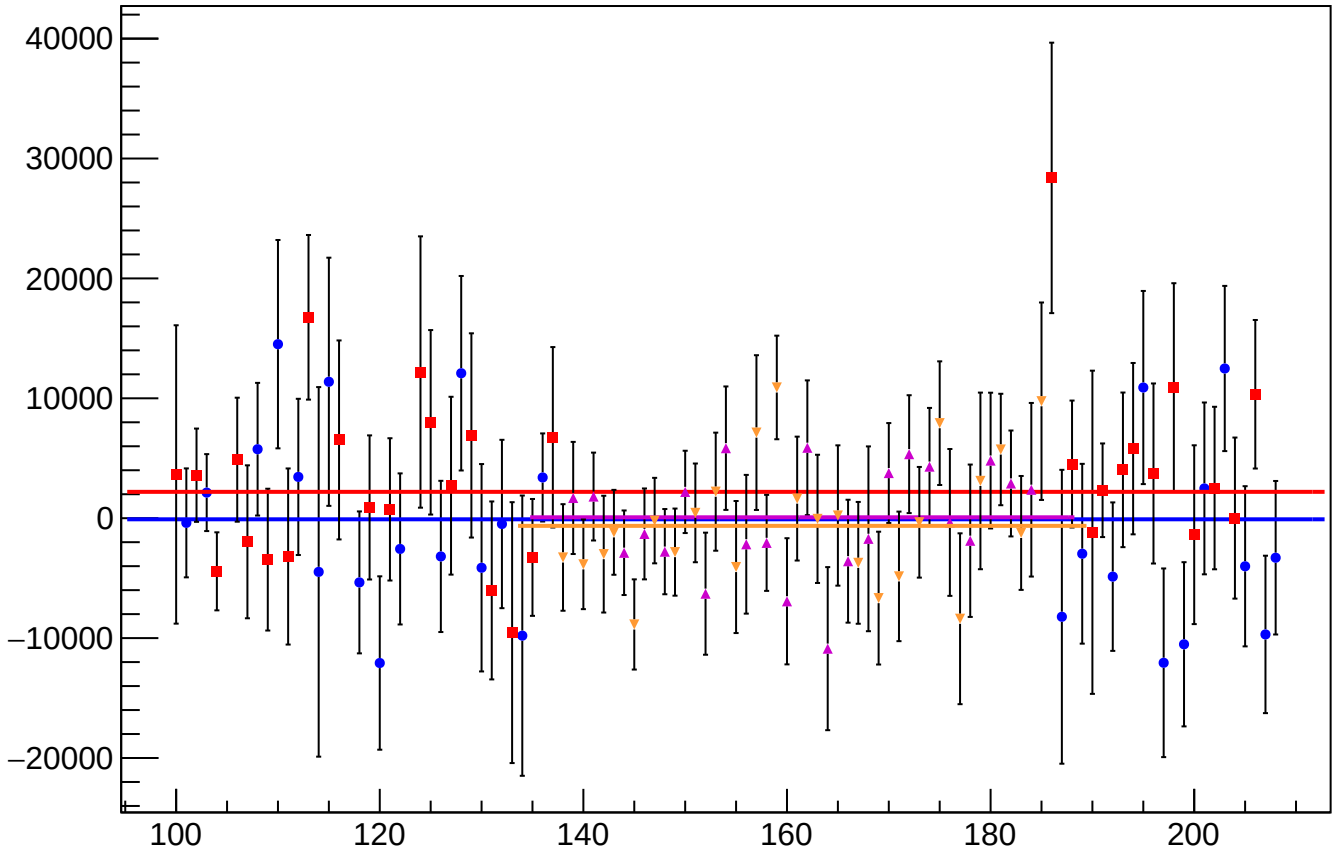
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1916.816+/-0.242 χ^2/NDF: 1109242.8/57

In: 1864.563+/-0.227 χ^2/NDF:769352.8/49

Out: 1866.402+/-0.222 χ^2/NDF:451498.9/55

All: 1865.501+/-0.159 χ^2/NDF: 1220885.2/10



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 2198.983+/-1126.355 χ^2/NDF: 26.1/30

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

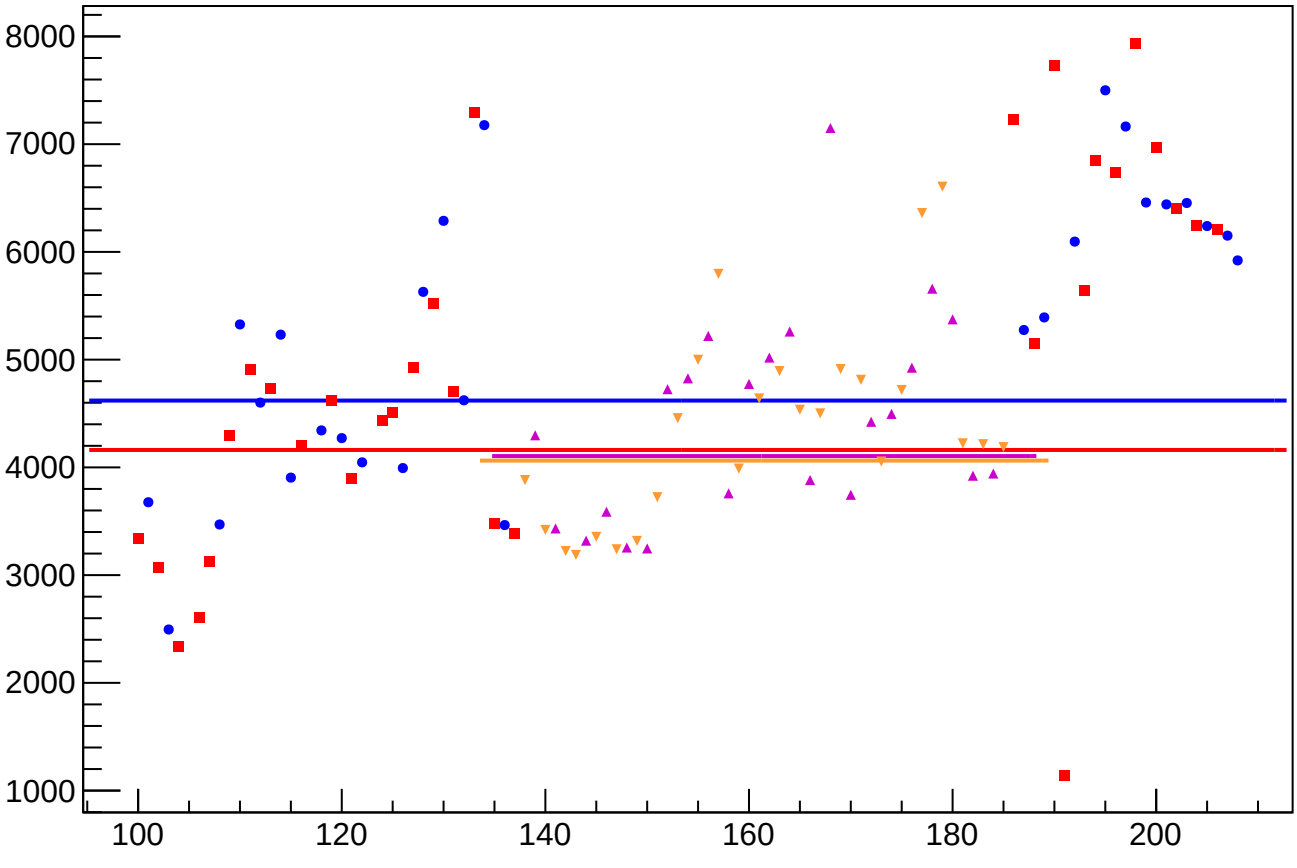
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1145.770+/-827.866 χ^2/NDF: 55.9/57

In: 10.141+/-764.367 χ^2/NDF:43.4/49

Out: 536.871+/-724.789 χ^2/NDF:55.8/55

All: 287.495+/-525.938 χ^2/NDF: 99.4/105



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

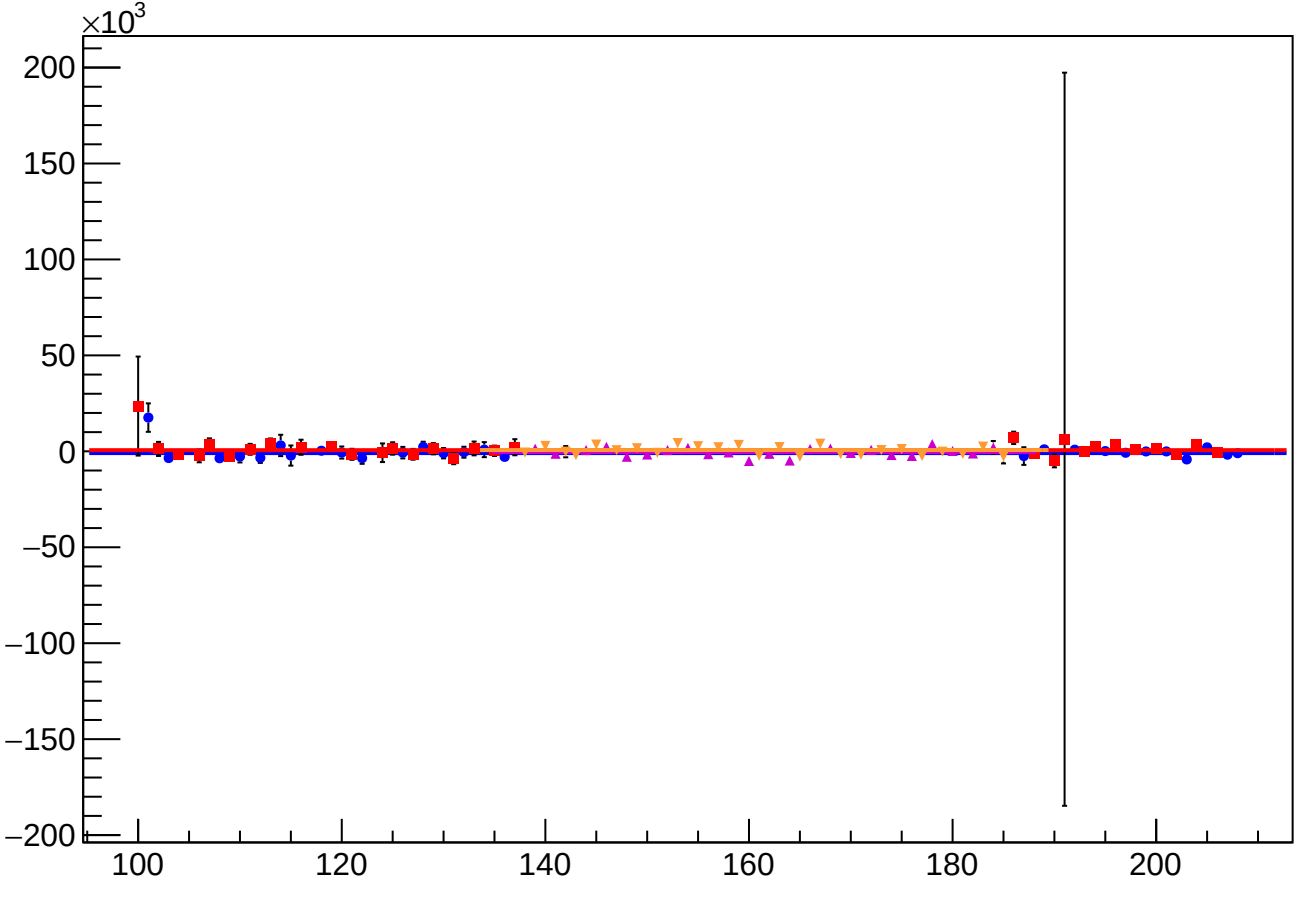
Right: 4372.540+/-0.585 χ^2/NDF: 7868567.9/57

In: 4306.978+/-0.540 χ^2/NDF:4425251.7/49

Out: 4103.942+/-0.513 χ^2/NDF:6280986.7/55

All: 4200.067+/-0.372 χ^2/NDF: 10780544.0/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 594.058+/-486.348 χ^2/NDF: 25.0/30

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

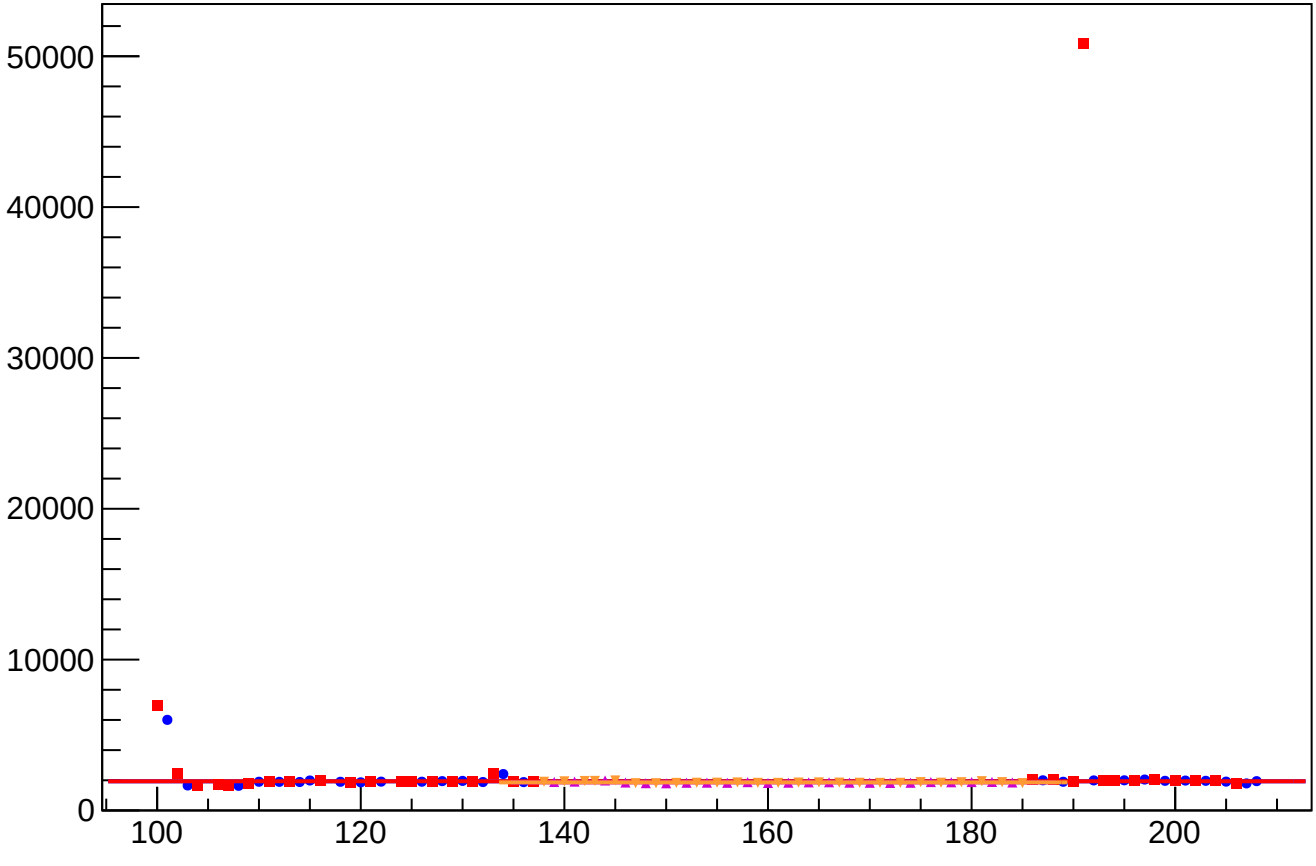
Right: -157.112+/-345.532 χ^2/NDF: 50.8/57

In: -635.286+/-325.117 χ^2/NDF:45.2/49

Out: 630.239+/-319.196 χ^2/NDF:52.1/55

All: 9.103+/-227.770 χ^2/NDF: 105.0/105

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.4/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1935.632+/-0.344 χ^2/NDF: 402730.9/30

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

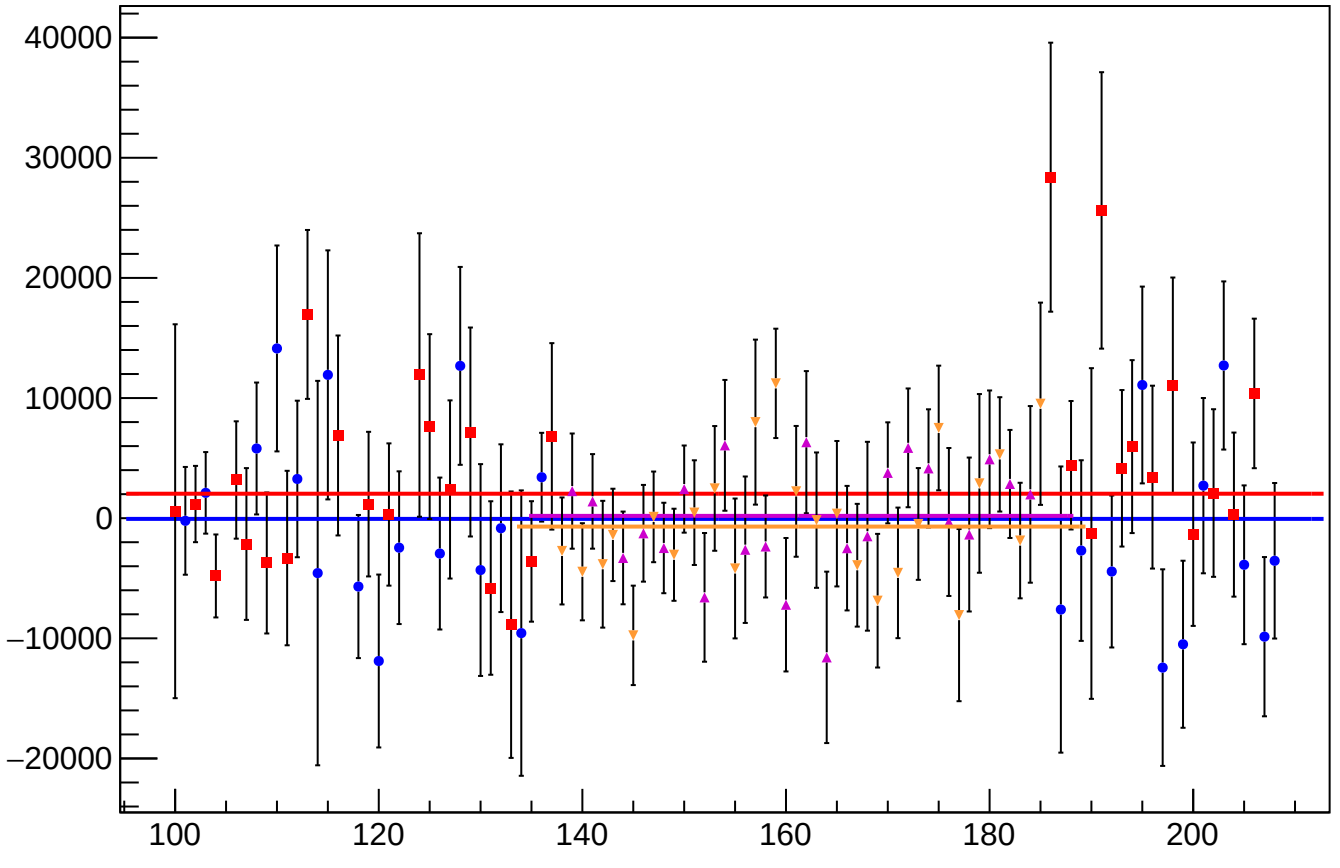
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1933.815+/-0.244 χ^2/NDF: 1123282.7/57

In: 1890.238+/-0.230 χ^2/NDF:762594.6/49

Out: 1893.581+/-0.226 χ^2/NDF:455047.8/55

All: 1891.941+/-0.161 χ^2/NDF: 1217750.1/10



Right In: -58.031+/-1235.749 χ^2/NDF: 27.8/26

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 2036.970+/-1158.190 χ^2/NDF: 29.8/30

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

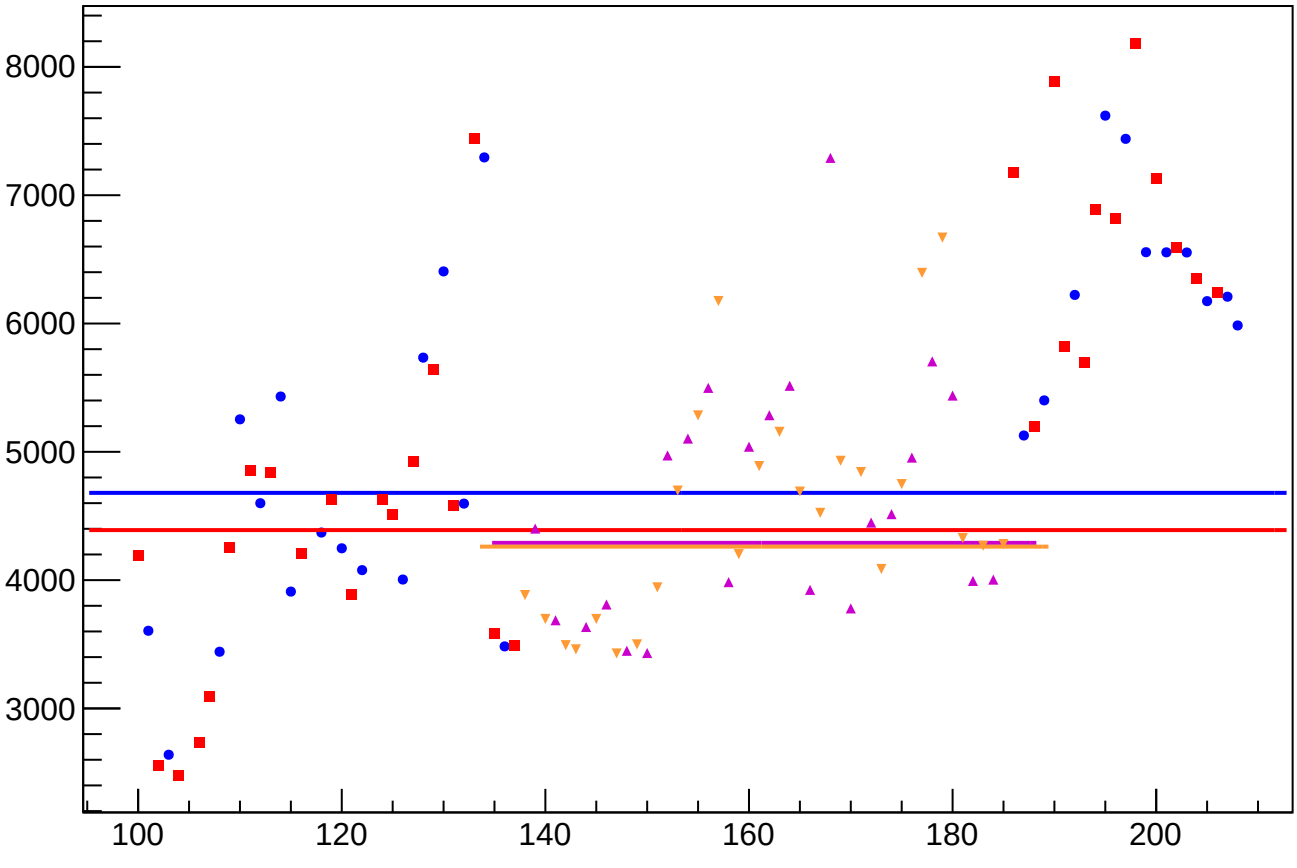
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1057.272+/-845.054 χ^2/NDF: 59.1/57

In: 90.678+/-787.773 χ^2/NDF:43.0/49

Out: 456.539+/-752.557 χ^2/NDF:58.4/55

All: 281.969+/-544.162 χ^2/NDF: 101.4/105



Right In: 4680.178+/-0.874 χ^2/NDF: 2770452.7/26

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4389.988+/-0.819 χ^2/NDF: 3928900.7/30

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

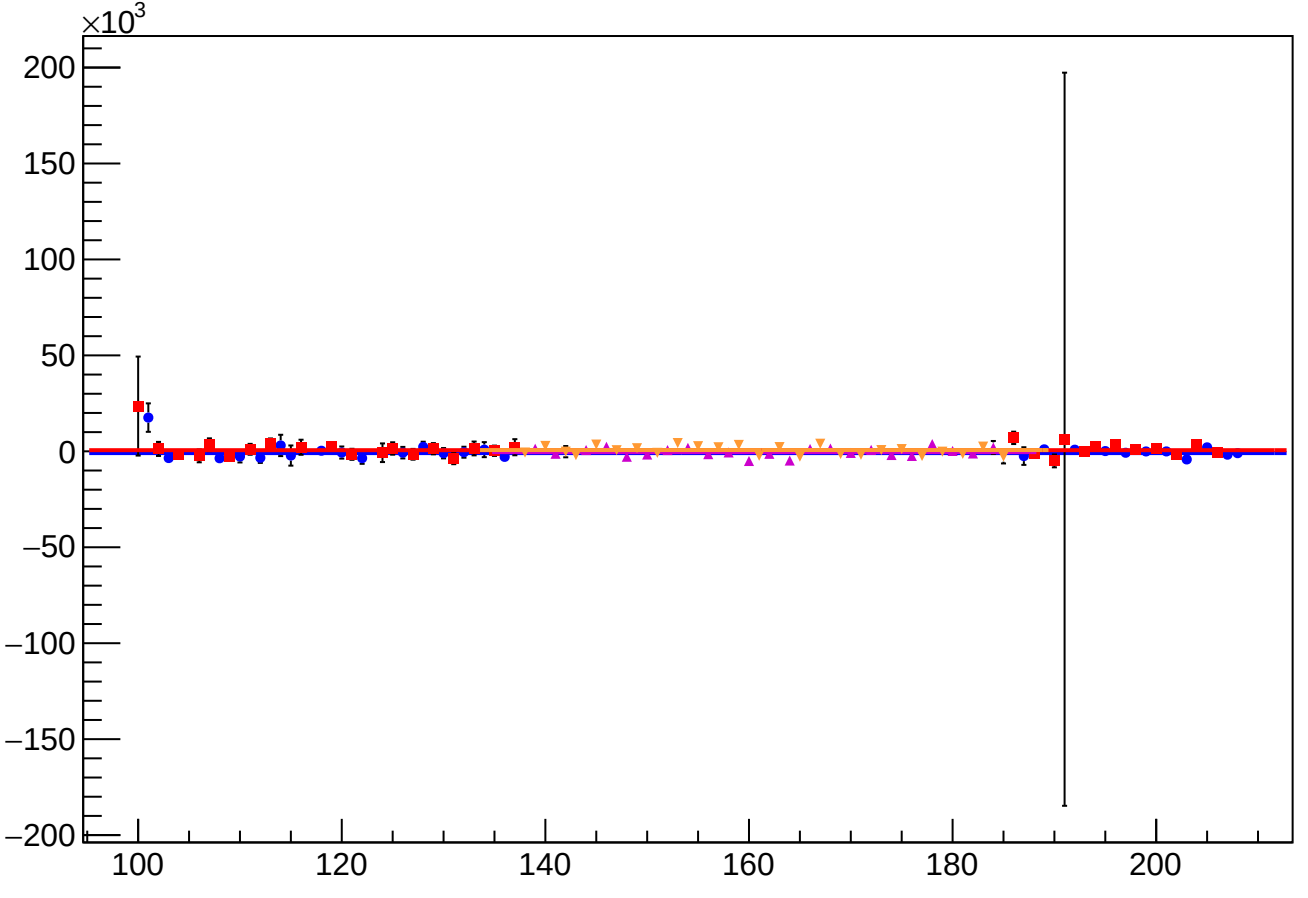
Right: 4525.691+/-0.598 χ^2/NDF: 6758067.6/57

In: 4448.800+/-0.557 χ^2/NDF:4102533.7/49

Out: 4315.530+/-0.532 χ^2/NDF:5133767.8/55

All: 4379.120+/-0.385 χ^2/NDF: 9266229.0/10

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 594.056+/-486.348 χ^2/NDF: 25.0/30

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

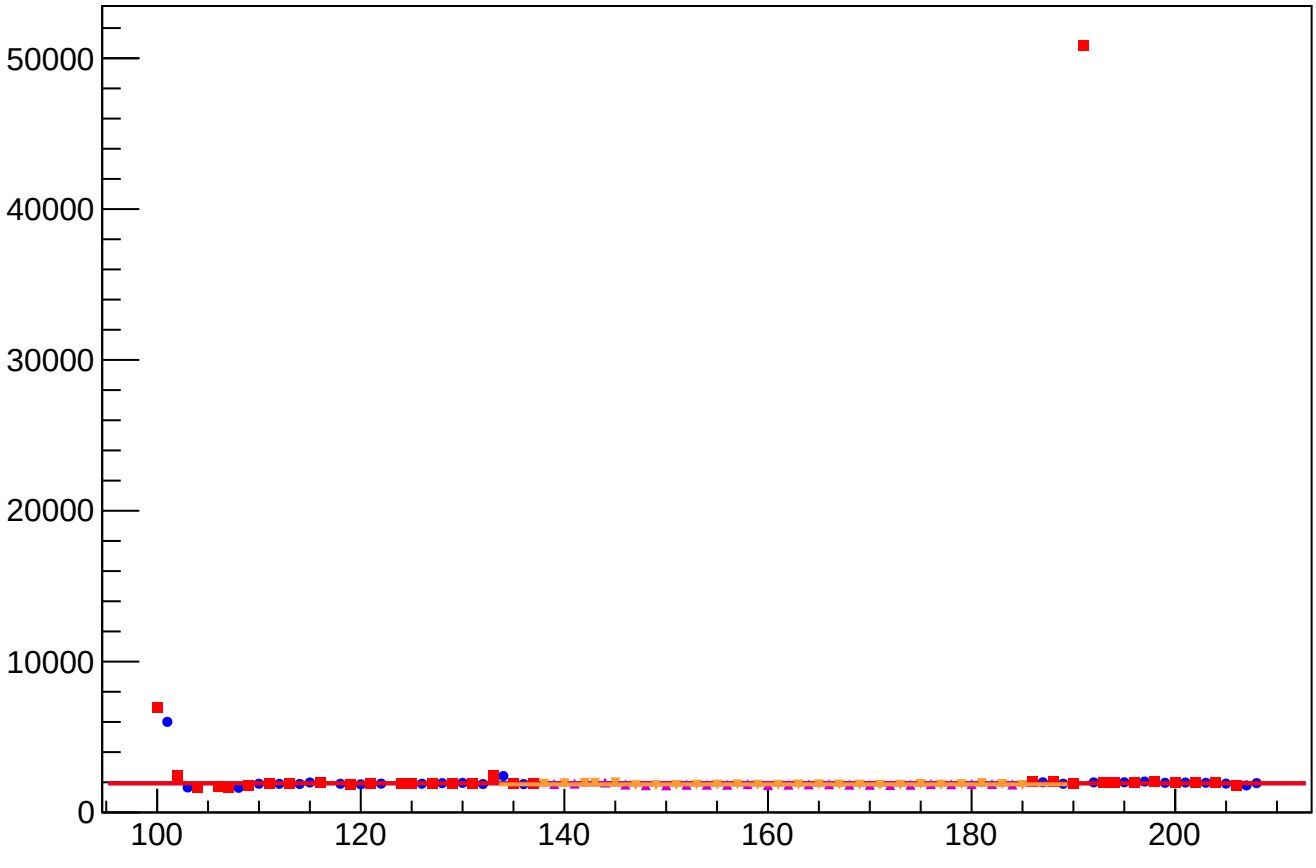
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -157.112+/-345.532 χ^2/NDF: 50.8/57

In: -635.286+/-325.117 χ^2/NDF:45.2/49

Out: 630.241+/-319.196 χ^2/NDF:52.1/55

All: 9.105+/-227.770 χ^2/NDF: 105.0/105



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.2/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1935.632+/-0.344 χ^2/NDF: 402731.1/30

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

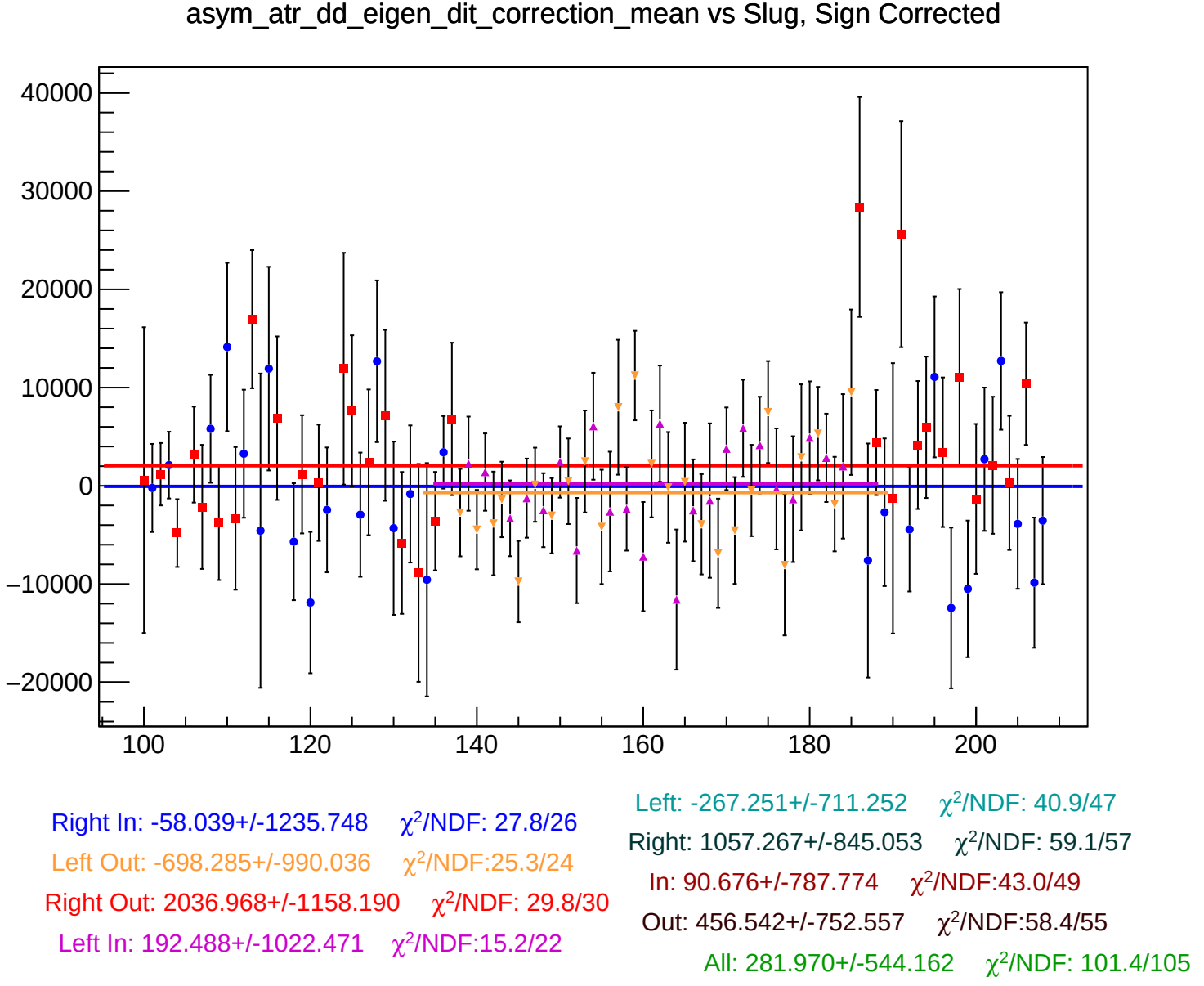
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

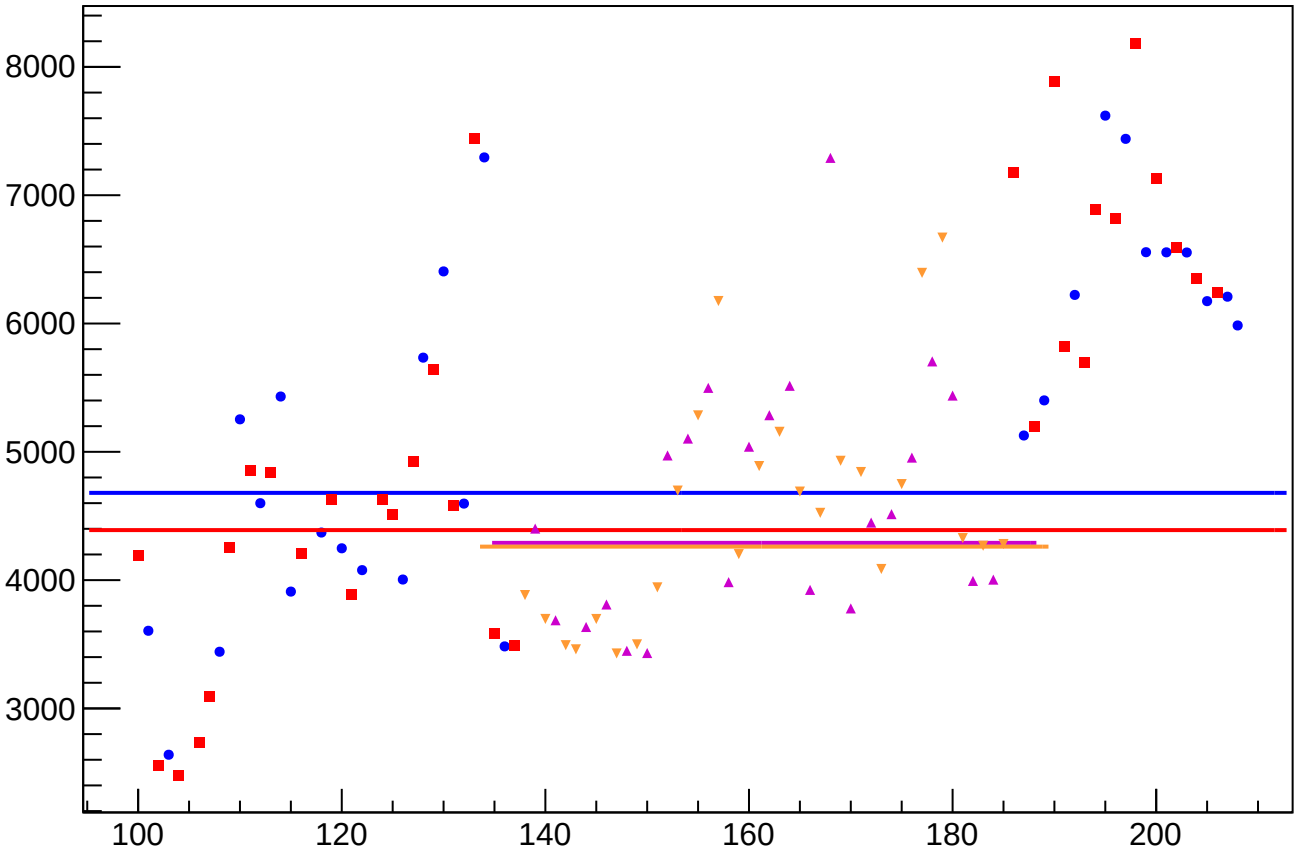
Right: 1933.815+/-0.244 χ^2/NDF: 1123282.8/57

In: 1890.238+/-0.230 χ^2/NDF:762593.9/49

Out: 1893.582+/-0.226 χ^2/NDF:455047.7/55

All: 1891.941+/-0.161 χ^2/NDF: 1217749.3/10


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -58.039+/-1235.748 χ²/NDF: 27.8/26
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 2036.968+/-1158.190 χ²/NDF: 29.8/30
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 1057.267+/-845.053 χ²/NDF: 59.1/57
In: 90.676+/-787.774 χ²/NDF:43.0/49
Out: 456.542+/-752.557 χ²/NDF:58.4/55
All: 281.970+/-544.162 χ²/NDF: 101.4/105



Right In: 4680.176+/-0.874 χ^2/NDF: 2770458.1/26

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4389.985+/-0.819 χ^2/NDF: 3928904.9/30

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

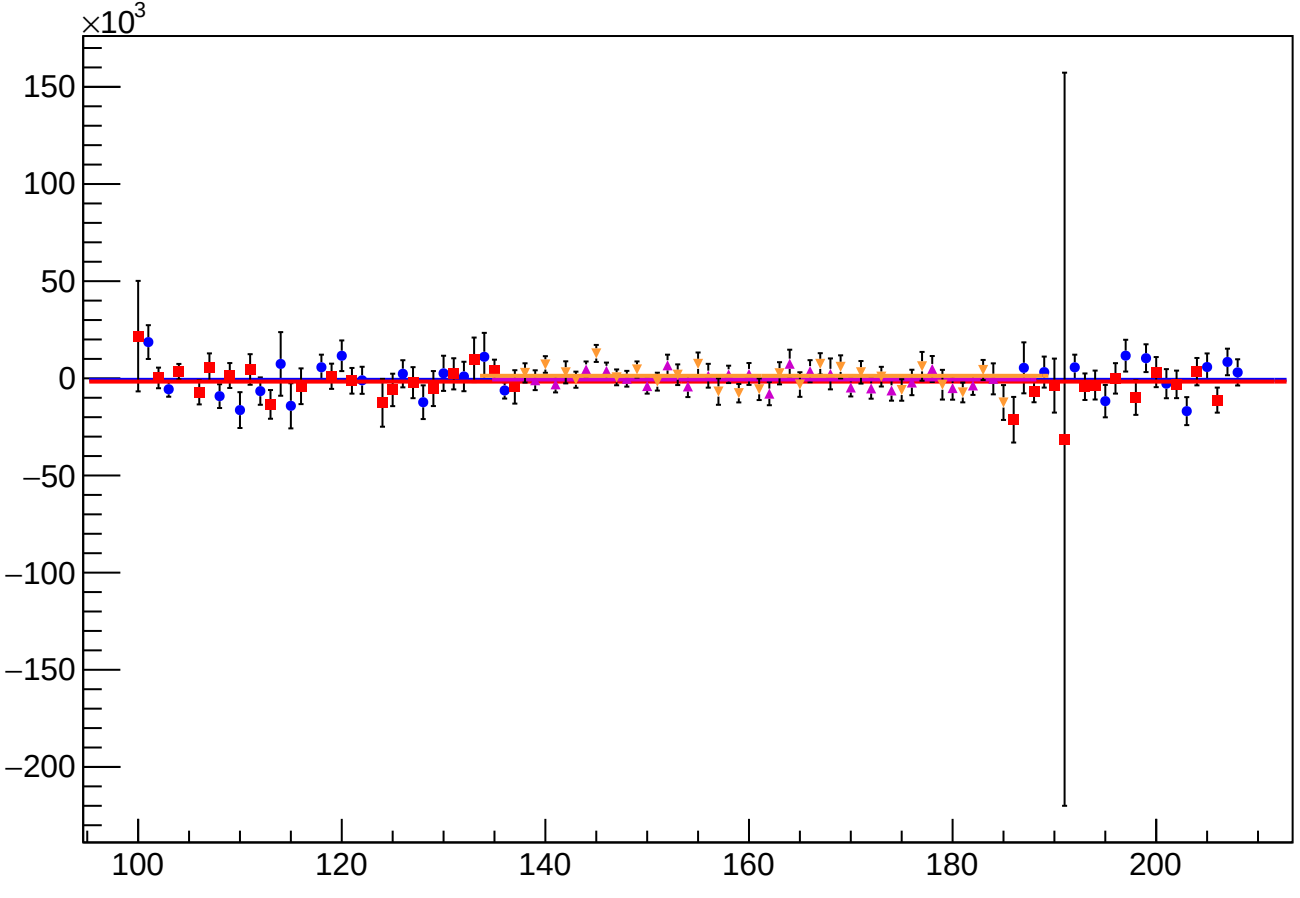
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4525.689+/-0.598 χ^2/NDF: 6758077.8/57

In: 4448.804+/-0.557 χ^2/NDF:4102540.0/49

Out: 4315.533+/-0.532 χ^2/NDF:5133772.7/55

All: 4379.123+/-0.385 χ^2/NDF: 9266240.5/10



Right In: -772.844+/-1369.634 χ^2/NDF: 37.8/26

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1685.997+/-1322.386 χ^2/NDF: 19.3/30

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

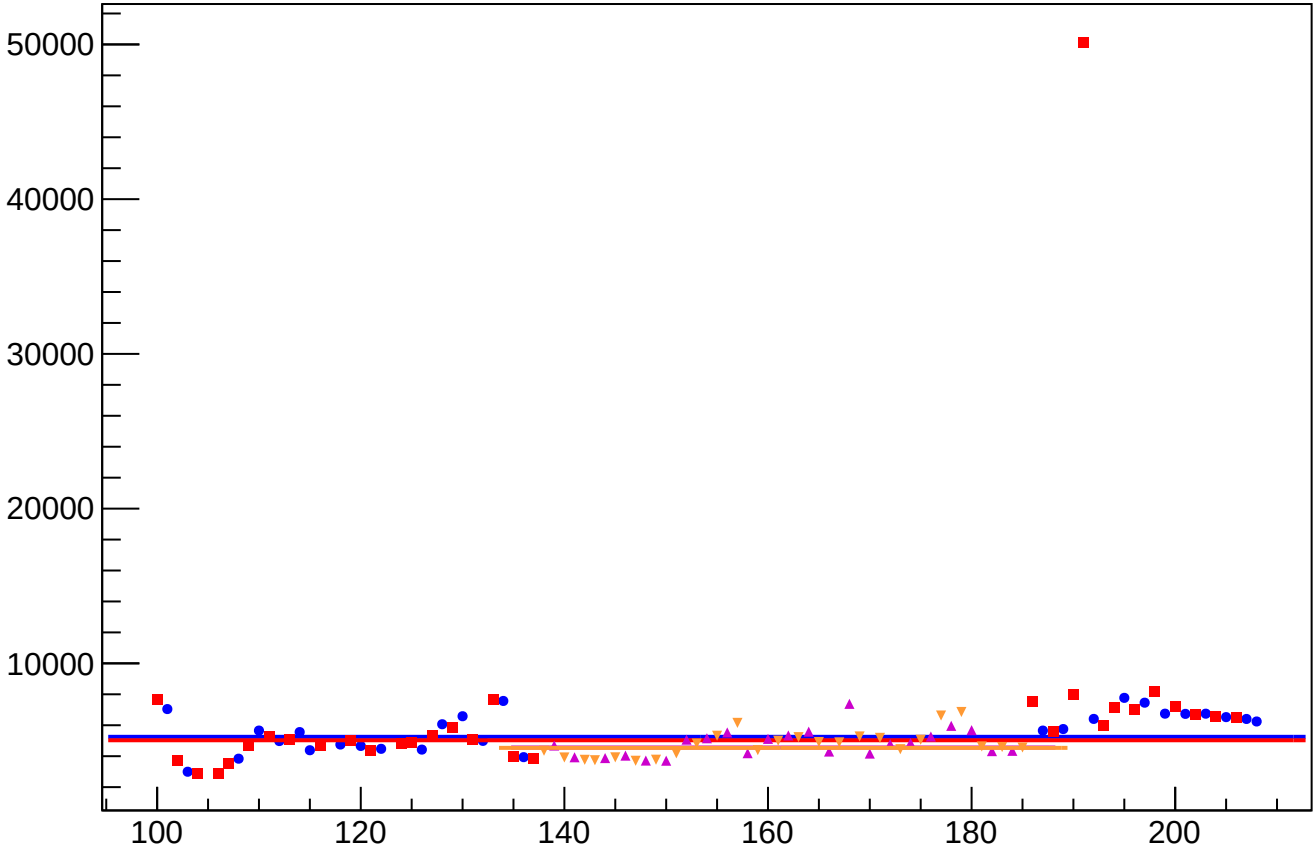
Right: -1245.442+/-951.333 χ^2/NDF: 57.3/57

In: -651.924+/-849.091 χ^2/NDF:52.3/49

Out: 144.981+/-822.092 χ^2/NDF:50.9/55

All: -240.601+/-590.621 χ^2/NDF: 103.6/105

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5251.995+/-0.968 χ^2/NDF: 2122764.0/26

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5029.219+/-0.930 χ^2/NDF: 2739015.8/30

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

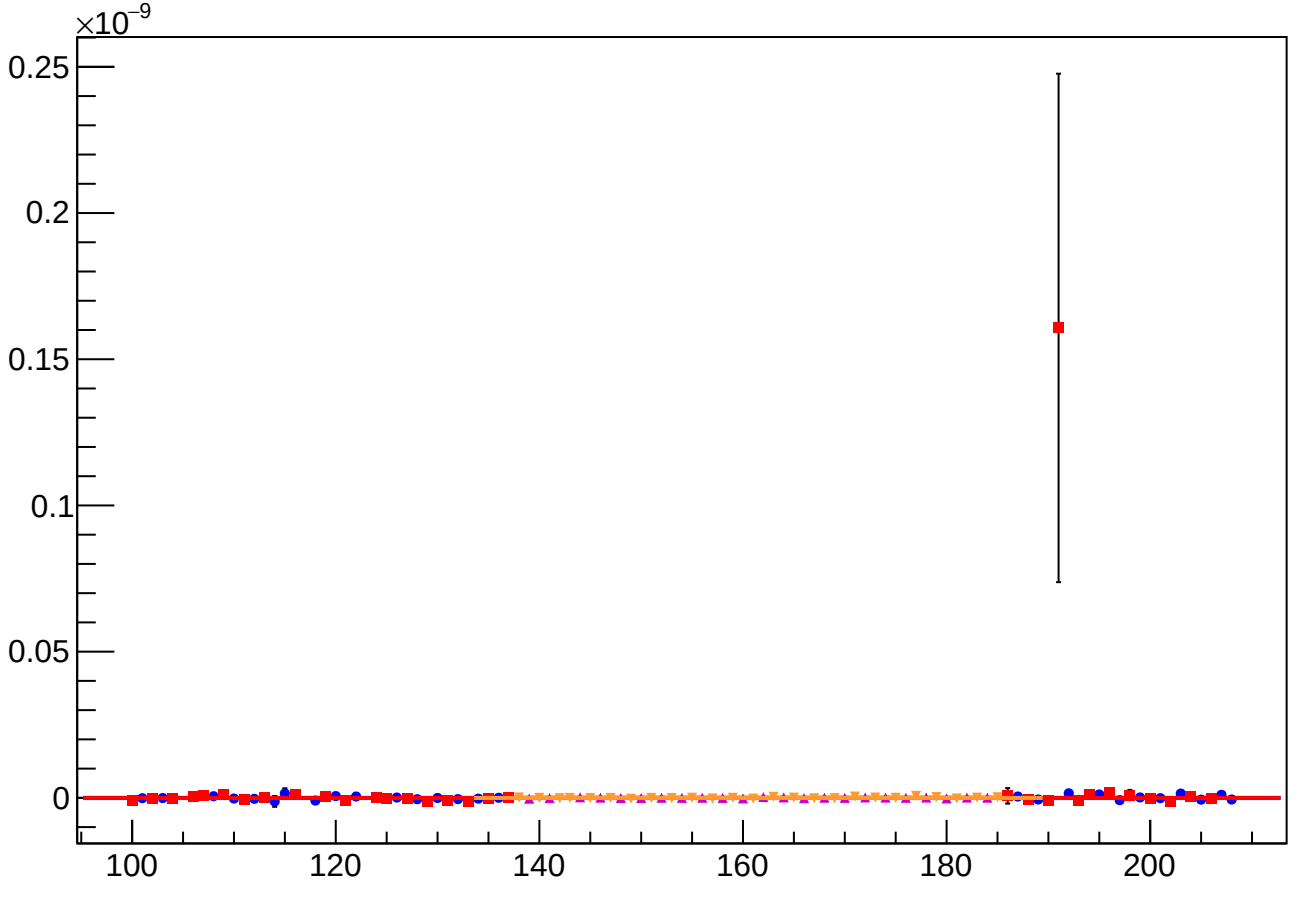
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5136.091+/-0.671 χ^2/NDF: 4889308.5/57

In: 4826.263+/-0.600 χ^2/NDF:3416829.6/49

Out: 4729.078+/-0.580 χ^2/NDF:3902416.5/55

All: 4775.998+/-0.417 χ^2/NDF: 7332797.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

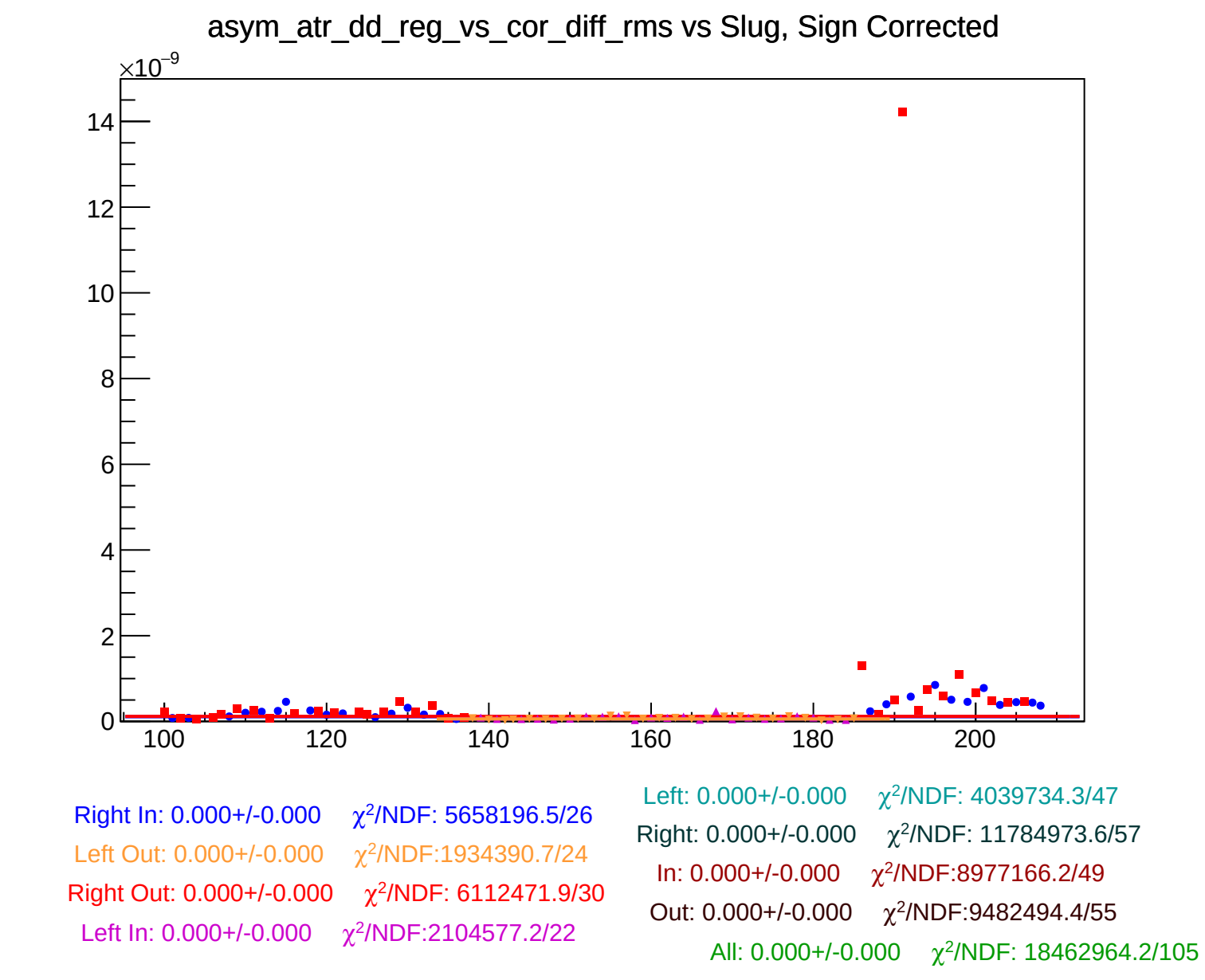
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

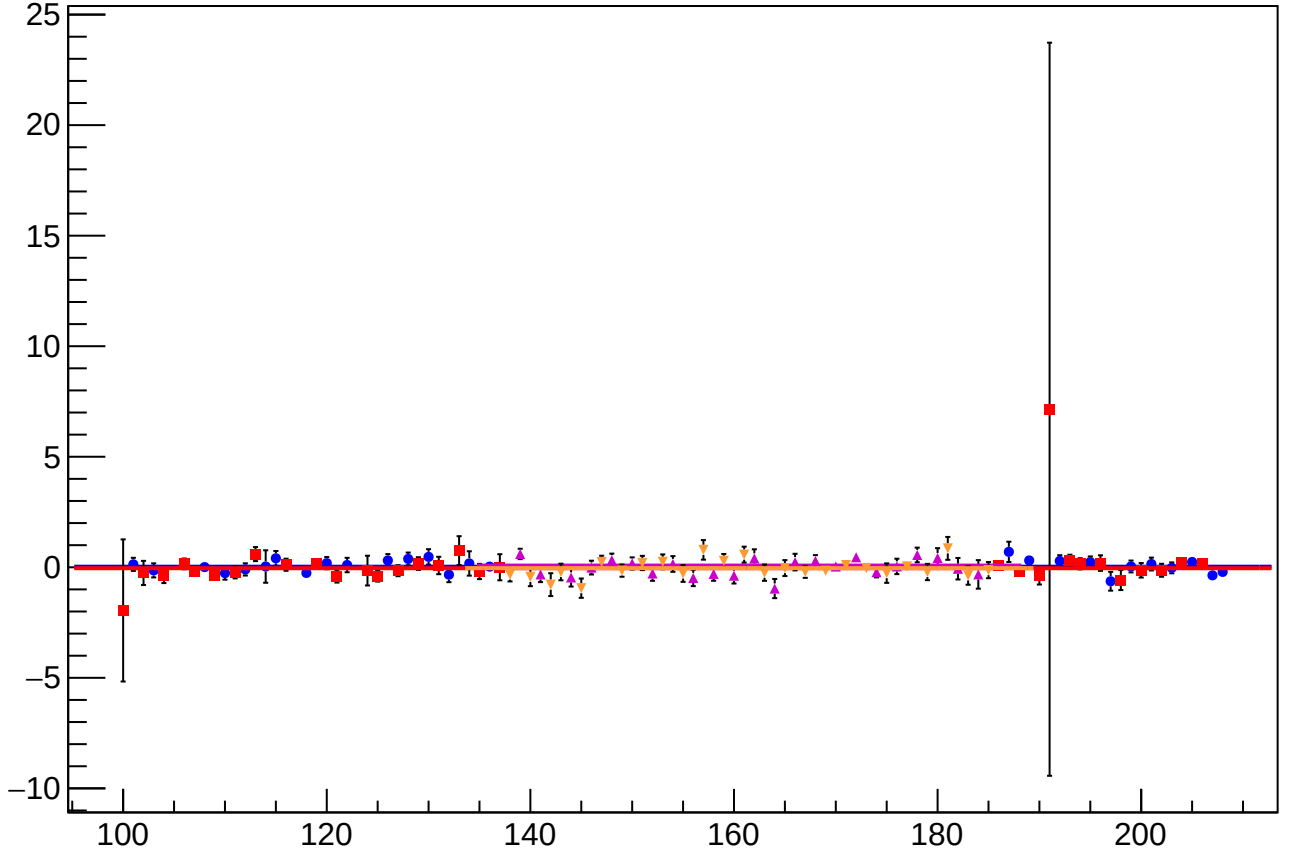
Right: -0.000+/-0.000 χ^2/NDF: 61.6/57

In: 0.000+/-0.000 χ^2/NDF:45.7/49

Out: -0.000+/-0.000 χ^2/NDF:74.3/55

All: -0.000+/-0.000 χ^2/NDF: 122.0/105


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5658196.5/26
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6112471.9/30
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 11784973.6/57
In: 0.000+/-0.000 χ²/NDF:8977166.2/49
Out: 0.000+/-0.000 χ²/NDF:9482494.4/55
All: 0.000+/-0.000 χ²/NDF: 18462964.2/105



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

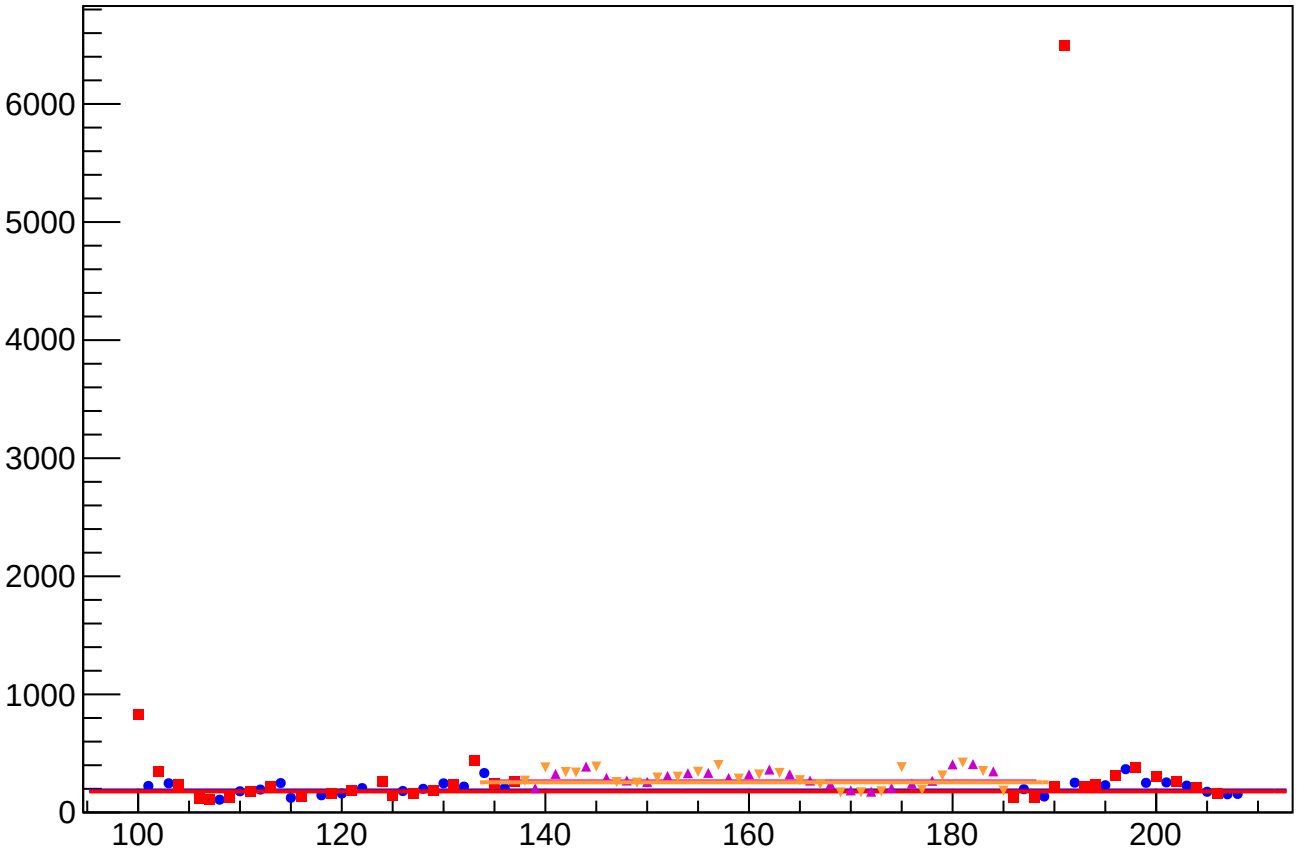
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.009+/-0.035 χ^2/NDF: 56.5/57

In: 0.046+/-0.039 χ^2/NDF:59.1/49

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.001+/-0.027 χ^2/NDF: 113.9/105



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

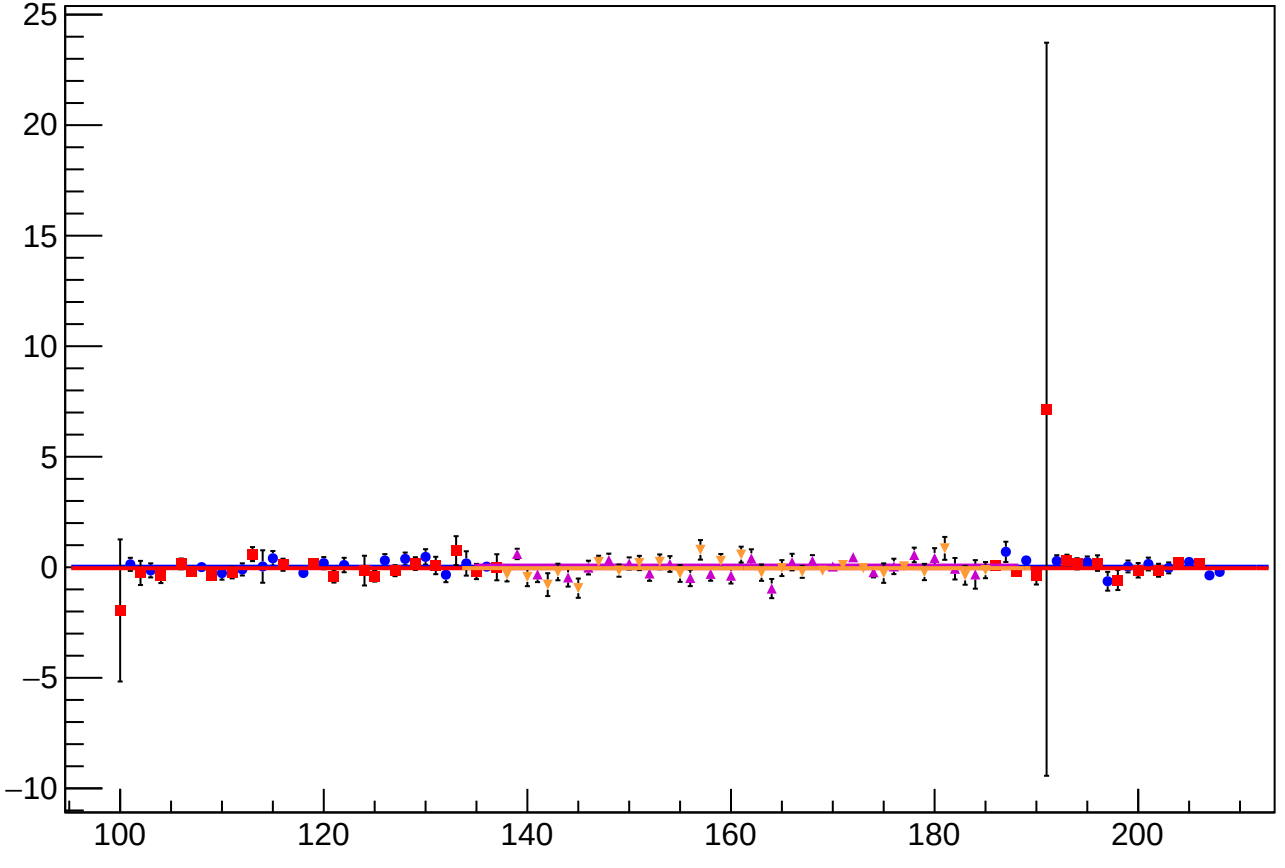
Right: 182.036+/-0.025 χ^2/NDF: 5619757.8/57

In: 214.499+/-0.028 χ^2/NDF:5822234.6/49

Out: 207.447+/-0.027 χ^2/NDF:8418860.5/55

All: 210.859+/-0.019 χ^2/NDF: 14274105.4/10

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

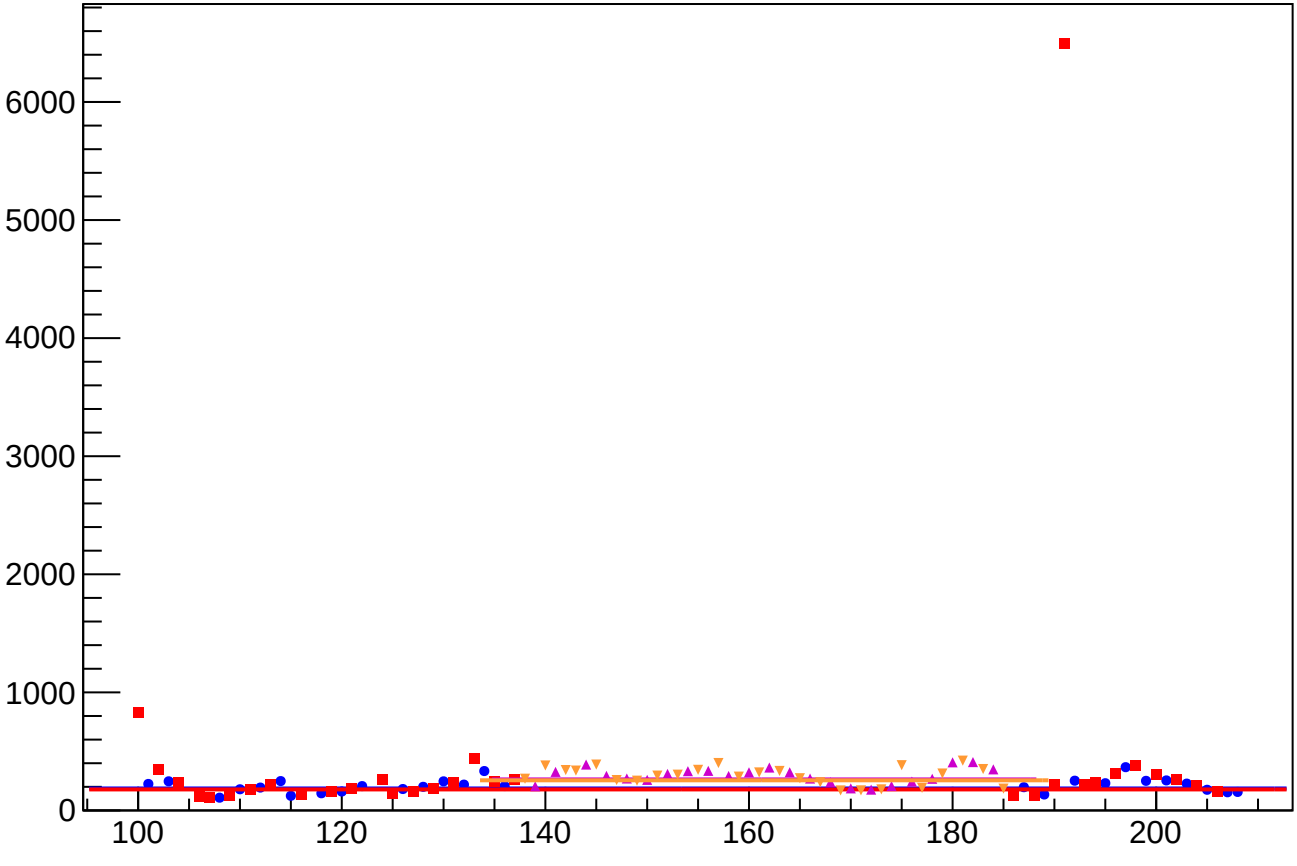
Right: -0.009+/-0.035 χ^2/NDF: 56.5/57

In: 0.046+/-0.039 χ^2/NDF:59.1/49

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.001+/-0.027 χ^2/NDF: 113.9/105

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

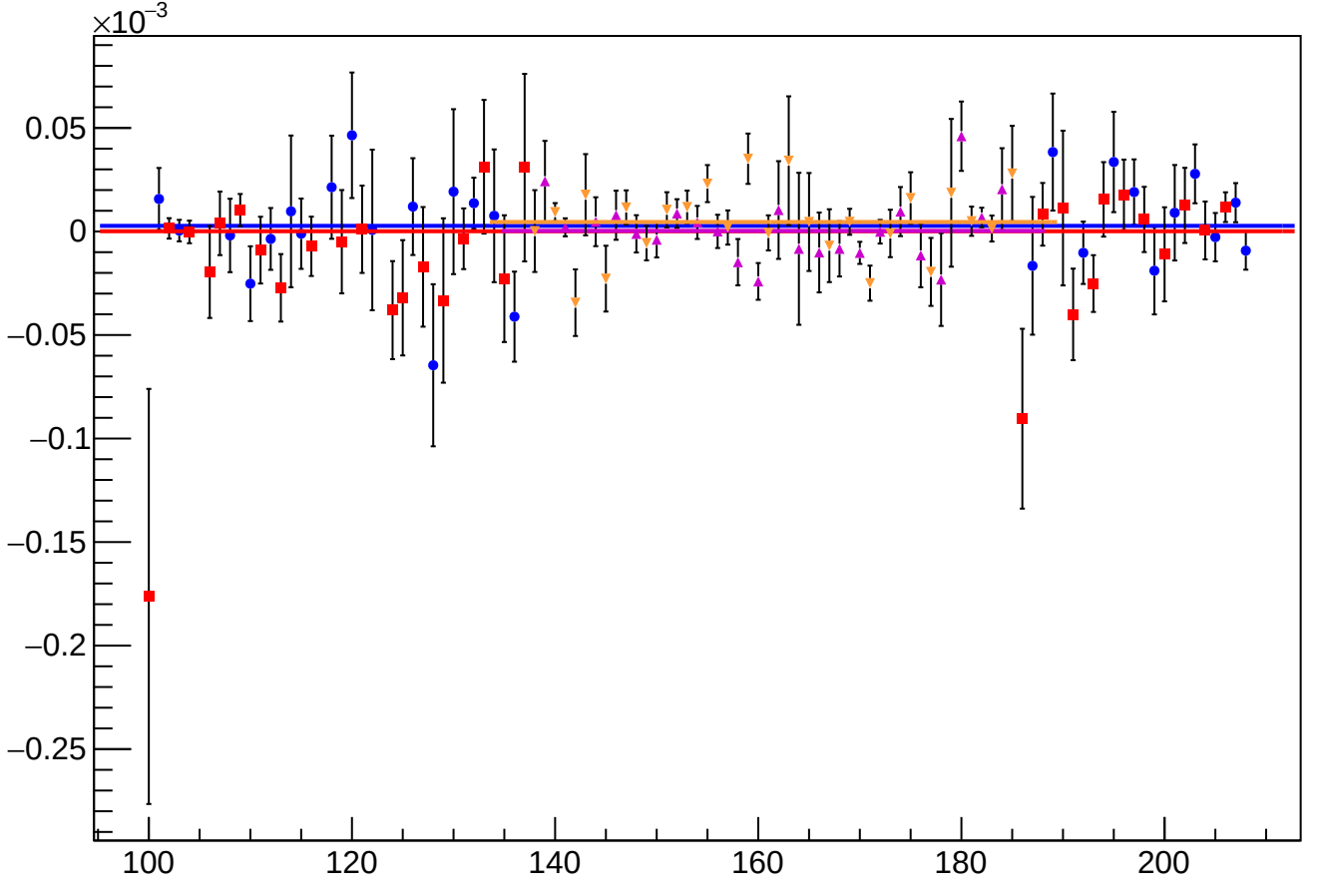
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 182.036+/-0.025 χ^2/NDF: 5619757.8/57

In: 214.499+/-0.028 χ^2/NDF:5822234.6/49

Out: 207.447+/-0.027 χ^2/NDF:8418860.5/55

All: 210.859+/-0.019 χ^2/NDF: 14274105.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/30

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

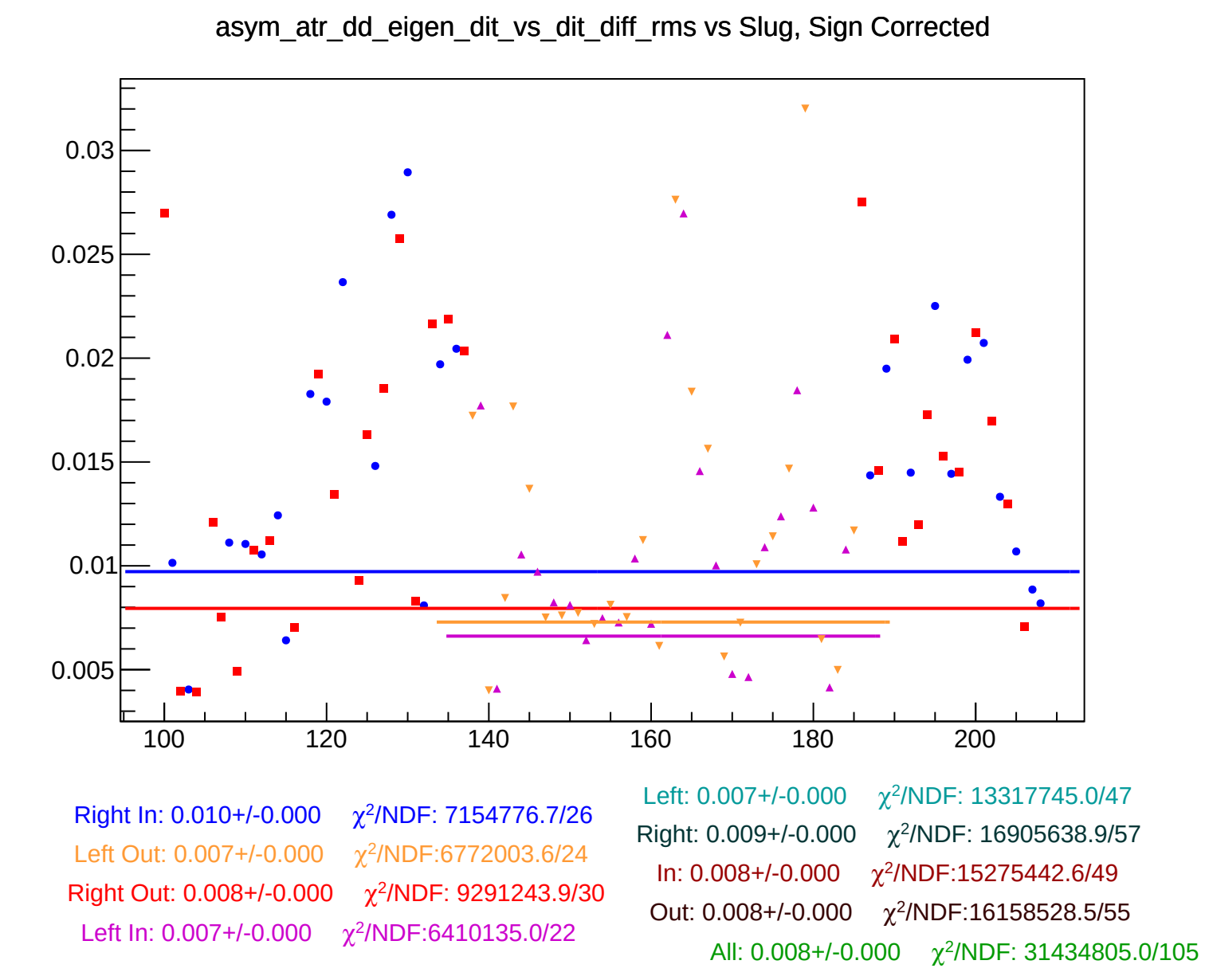
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

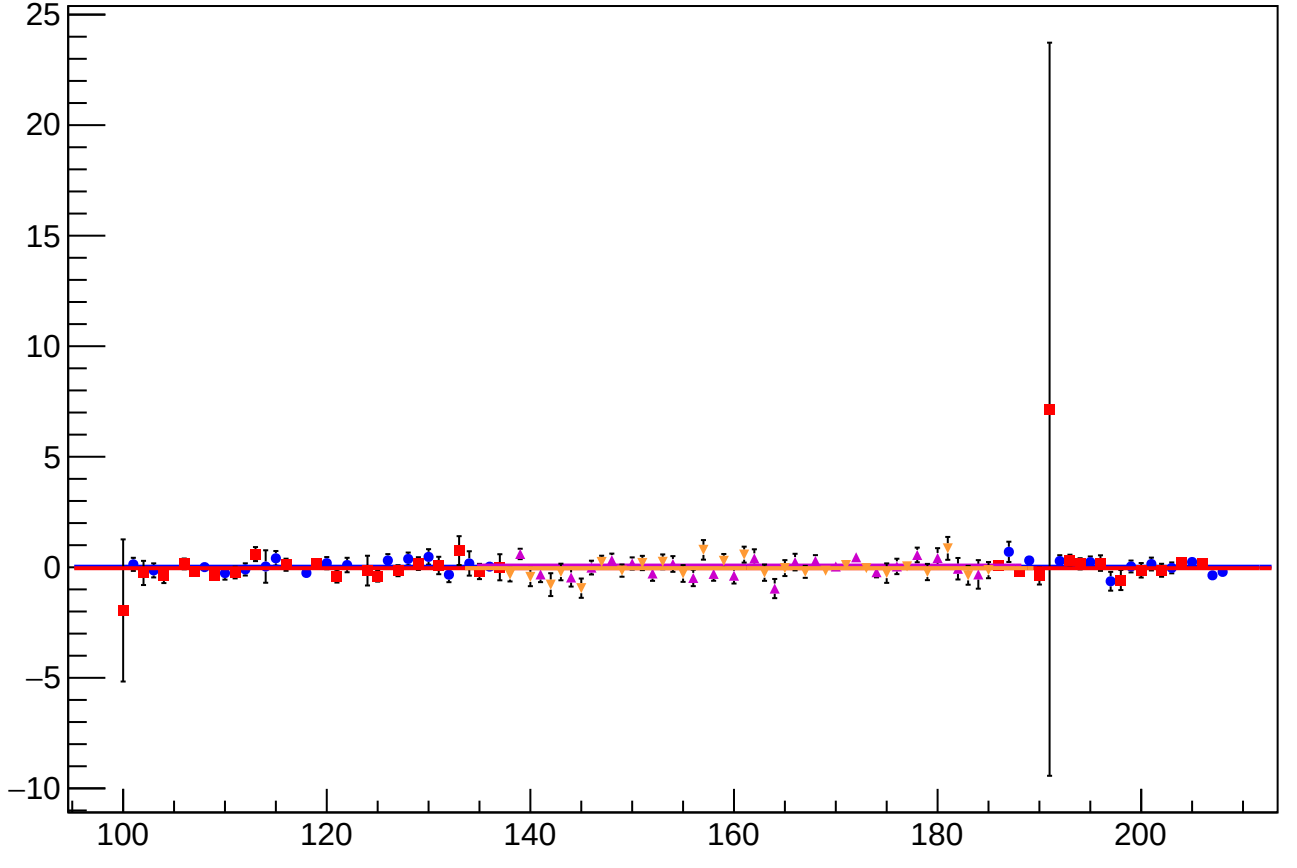
Right: 0.000+/-0.000 χ^2/NDF: 60.8/57

In: 0.000+/-0.000 χ^2/NDF:59.2/49

Out: 0.000+/-0.000 χ^2/NDF:78.4/55

All: 0.000+/-0.000 χ^2/NDF: 138.4/105


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 7154776.7/26
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 9291243.9/30
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.009+/-0.000 χ²/NDF: 16905638.9/57
In: 0.008+/-0.000 χ²/NDF:15275442.6/49
Out: 0.008+/-0.000 χ²/NDF:16158528.5/55
All: 0.008+/-0.000 χ²/NDF: 31434805.0/105



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

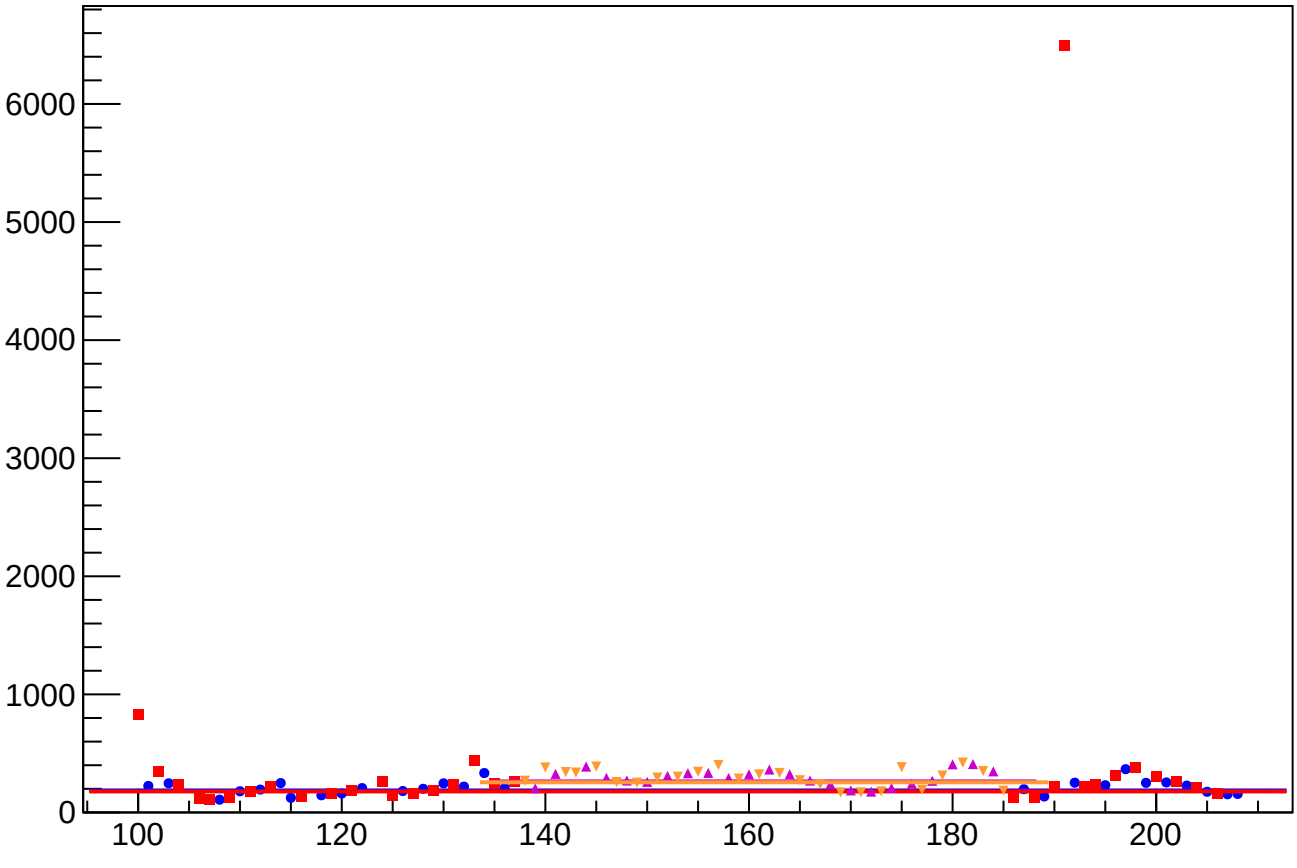
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.009+/-0.035 χ^2/NDF: 56.5/57

In: 0.046+/-0.039 χ^2/NDF:59.0/49

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.001+/-0.027 χ^2/NDF: 113.9/105



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

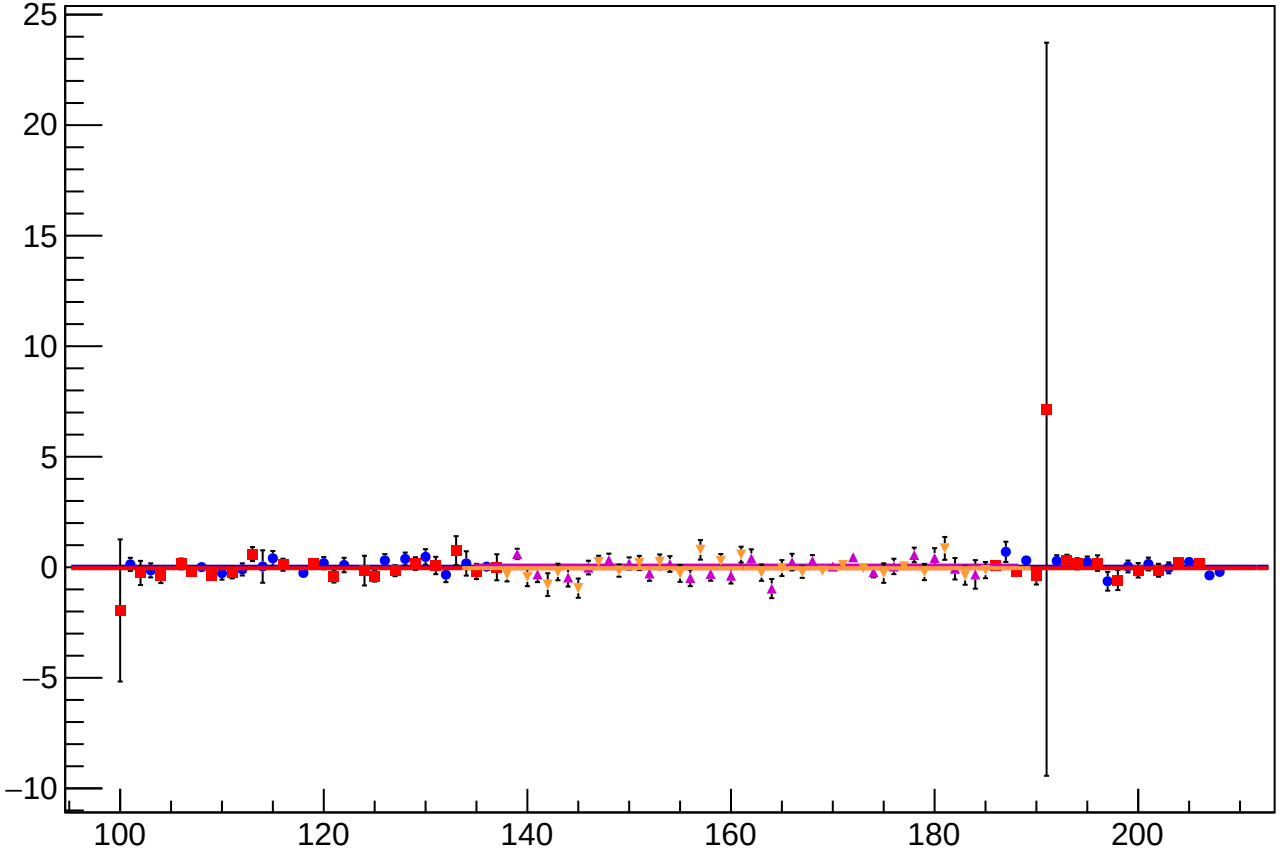
Right: 182.037+/-0.025 χ^2/NDF: 5619706.9/57

In: 214.500+/-0.028 χ^2/NDF:5822356.9/49

Out: 207.449+/-0.027 χ^2/NDF:8418917.8/55

All: 210.860+/-0.019 χ^2/NDF: 14274275.9/10

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

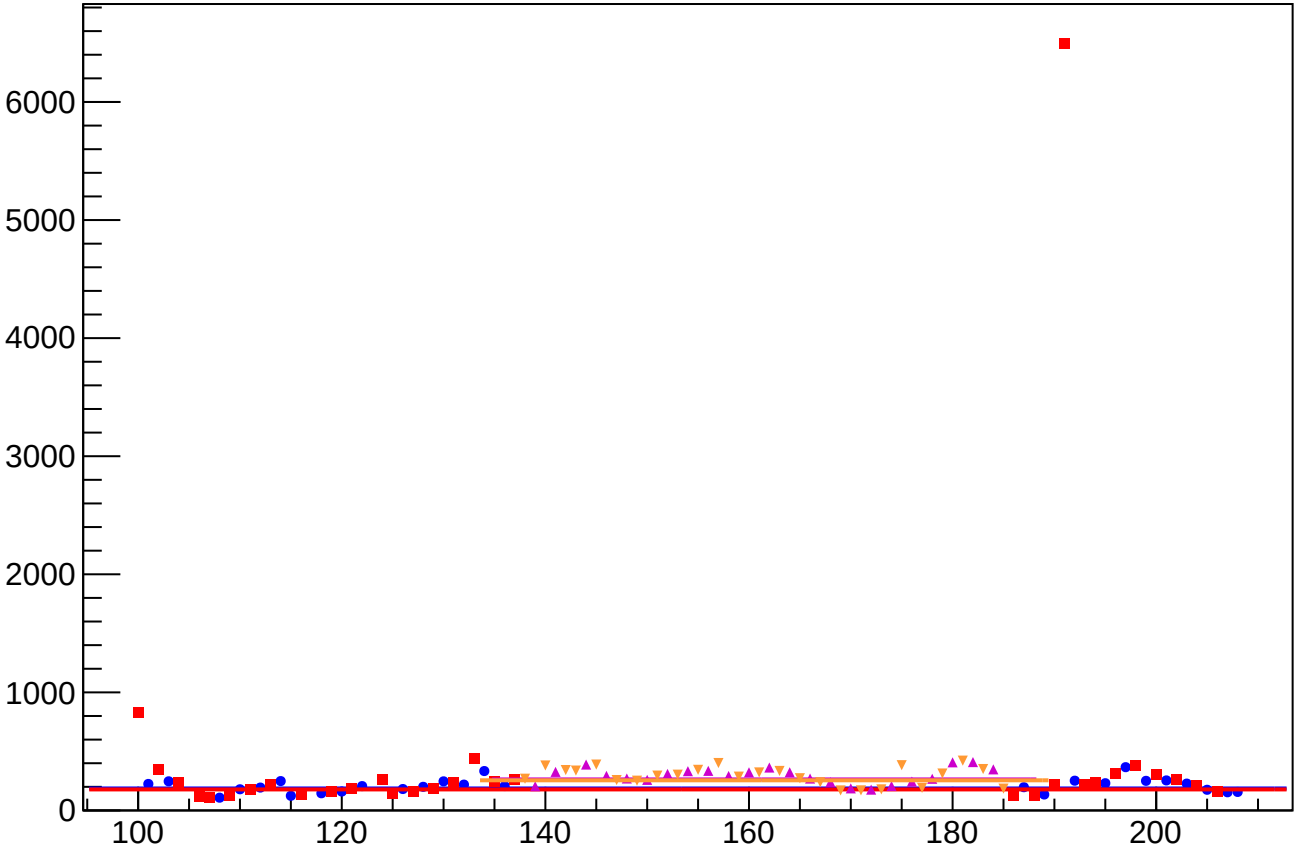
Right: -0.009+/-0.035 χ^2/NDF: 56.5/57

In: 0.046+/-0.039 χ^2/NDF:59.0/49

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.001+/-0.027 χ^2/NDF: 113.9/105

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

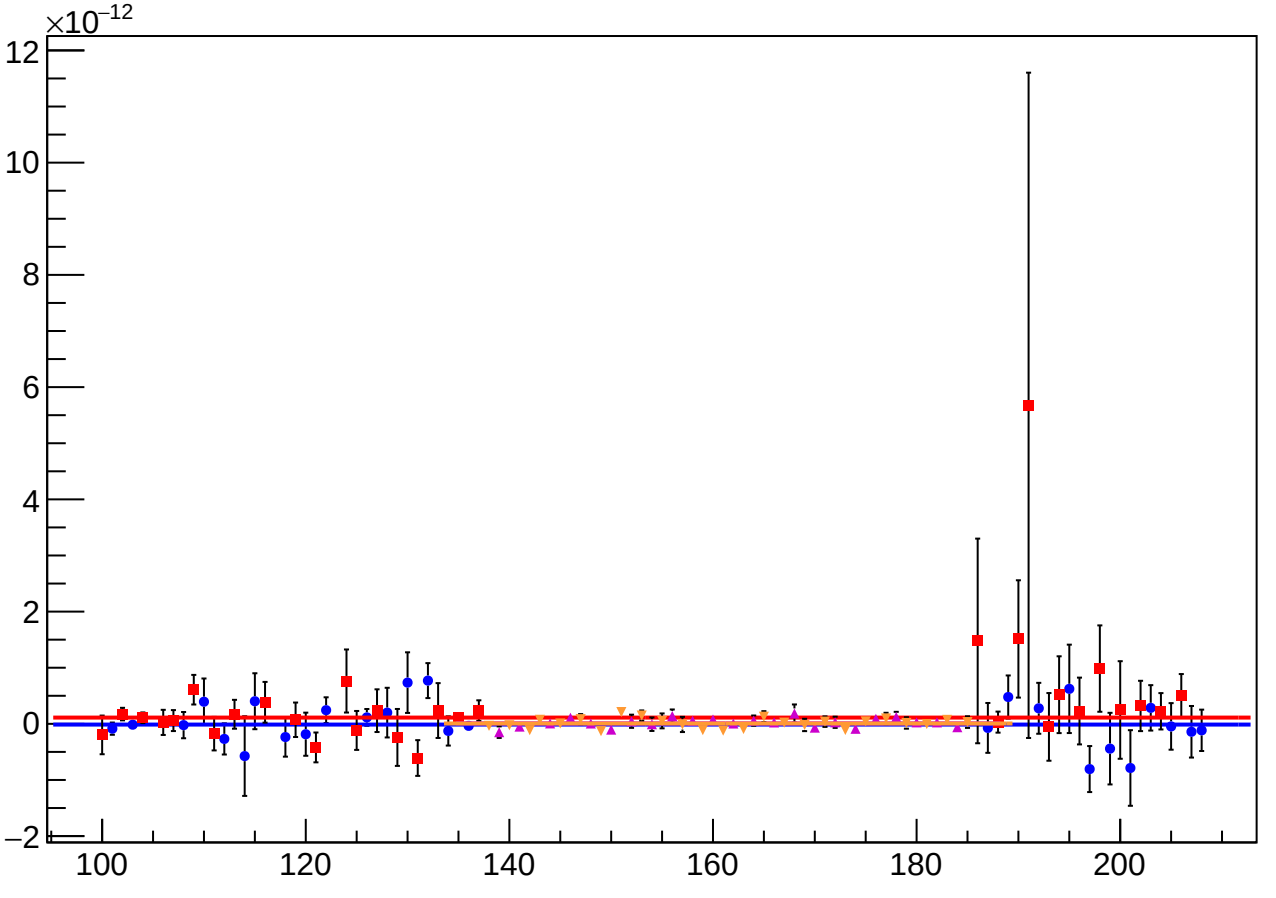
Right: 182.037+/-0.025 χ^2/NDF: 5619706.9/57

In: 214.500+/-0.028 χ^2/NDF:5822356.9/49

Out: 207.449+/-0.027 χ^2/NDF:8418917.8/55

All: 210.860+/-0.019 χ^2/NDF: 14274275.9/10

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/30

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

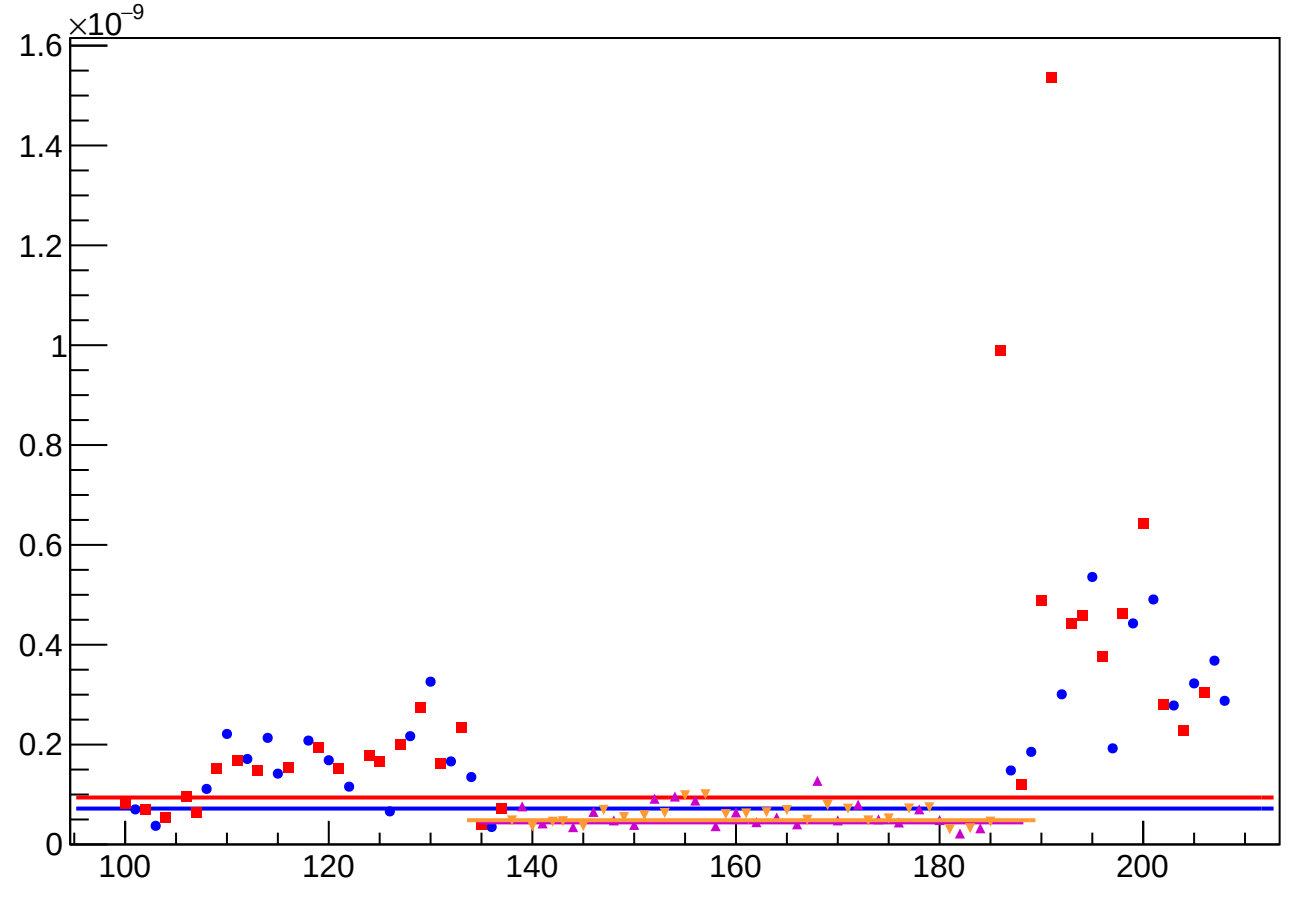
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 54.7/57

In: 0.000+/-0.000 χ^2/NDF:45.6/49

Out: 0.000+/-0.000 χ^2/NDF:61.8/55

All: 0.000+/-0.000 χ^2/NDF: 107.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 9464479.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8167522.4/30

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

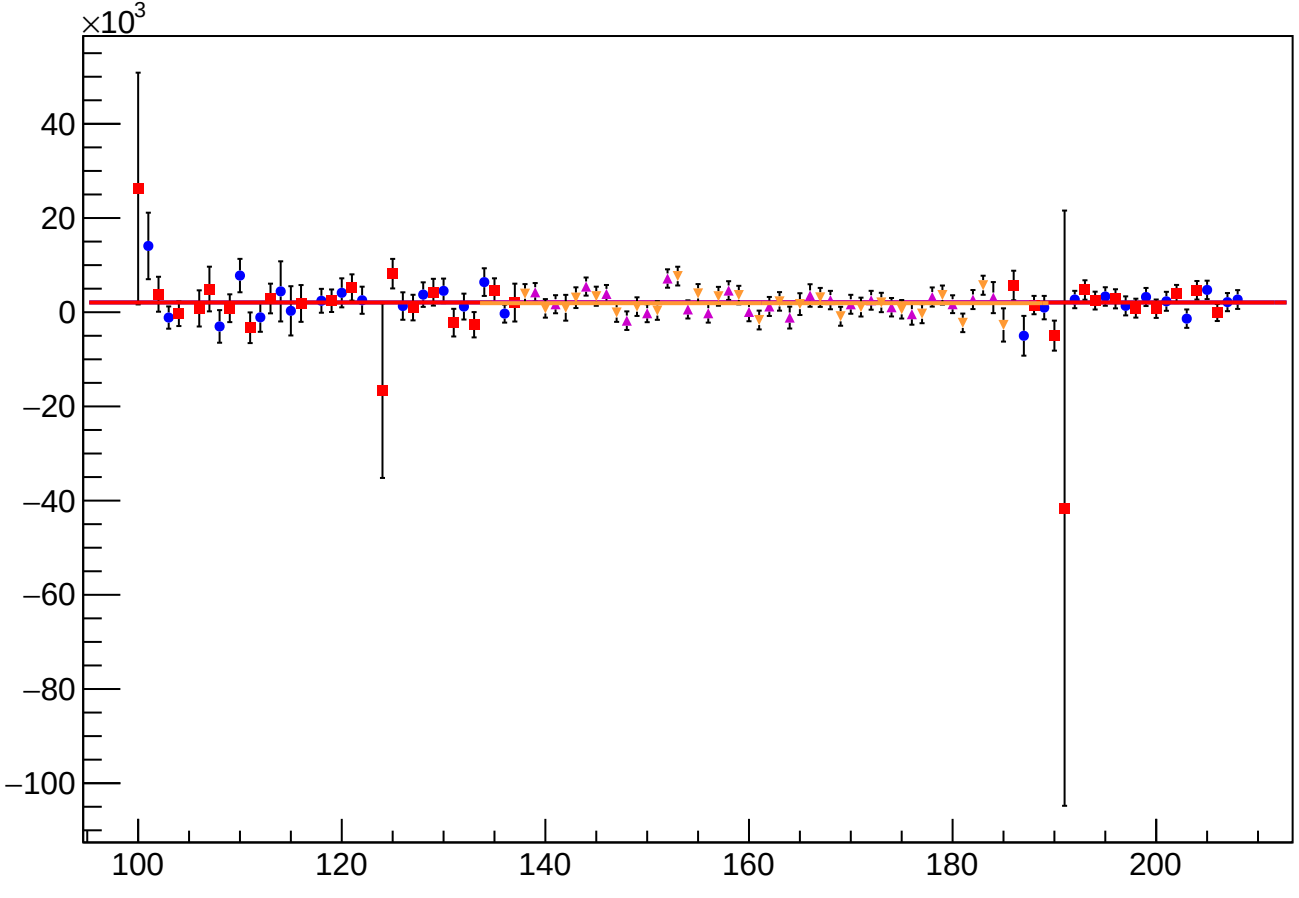
Right: 0.000+/-0.000 χ^2/NDF: 17986195.6/57

In: 0.000+/-0.000 χ^2/NDF:14219779.6/49

Out: 0.000+/-0.000 χ^2/NDF:12959455.8/55

All: 0.000+/-0.000 χ^2/NDF: 27358823.8/105

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2082.664+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2064.035+/-476.323 χ^2/NDF: 32.0/30

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

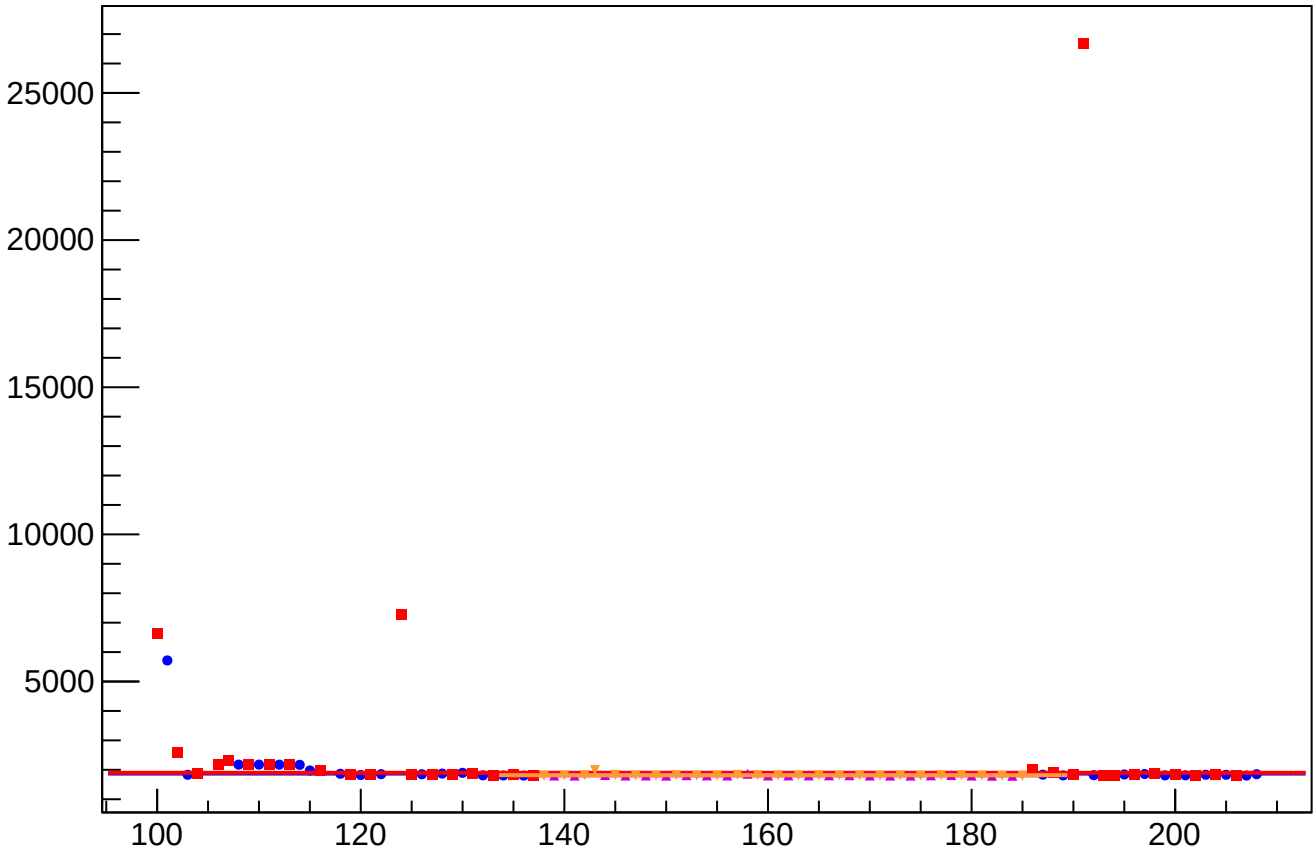
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 2073.364+/-336.542 χ^2/NDF: 57.5/57

In: 2077.943+/-316.147 χ^2/NDF:52.1/49

Out: 1982.155+/-312.002 χ^2/NDF:64.6/55

All: 2029.417+/-222.070 χ^2/NDF: 116.7/105



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.9/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1898.698+/-0.337 χ^2/NDF: 734405.9/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

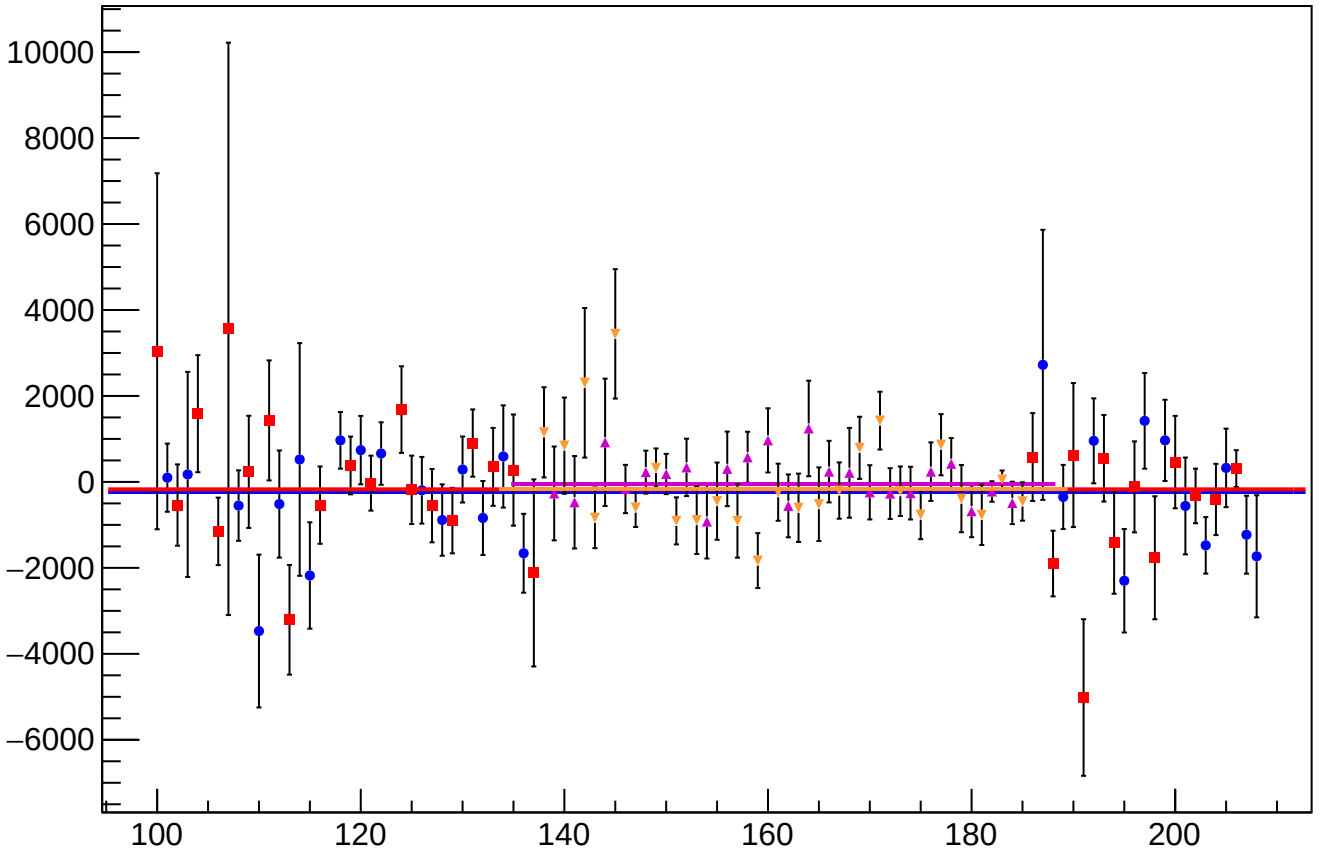
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1885.915+/-0.238 χ^2/NDF: 1402846.8/57

In: 1839.339+/-0.224 χ^2/NDF:685718.5/49

Out: 1852.352+/-0.221 χ^2/NDF:780524.1/55

All: 1845.931+/-0.157 χ^2/NDF: 1467959.3/10



Right In: -234.443+/-181.407 χ^2/NDF: 32.5/26

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -172.884+/-164.514 χ^2/NDF: 37.5/30

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

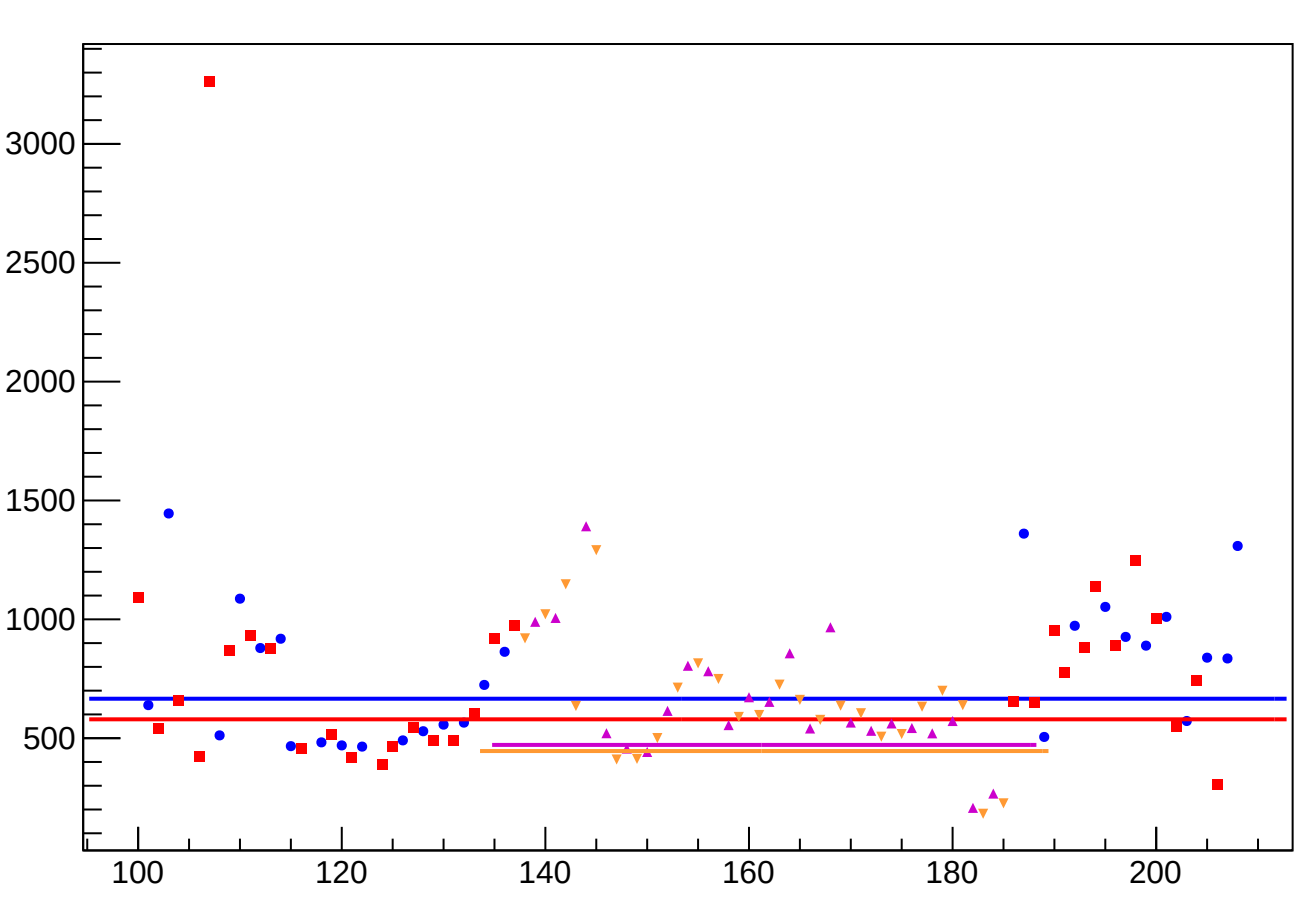
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -200.665+/-121.865 χ^2/NDF: 70.1/57

In: -107.402+/-101.630 χ^2/NDF:44.6/49

Out: -166.253+/-94.417 χ^2/NDF:74.3/55

All: -138.989+/-69.172 χ^2/NDF: 119.1/105



Right In: 666.054+/-0.128 χ^2/NDF: 2867127.8/26

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 579.396+/-0.116 χ^2/NDF: 3910394.3/30

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

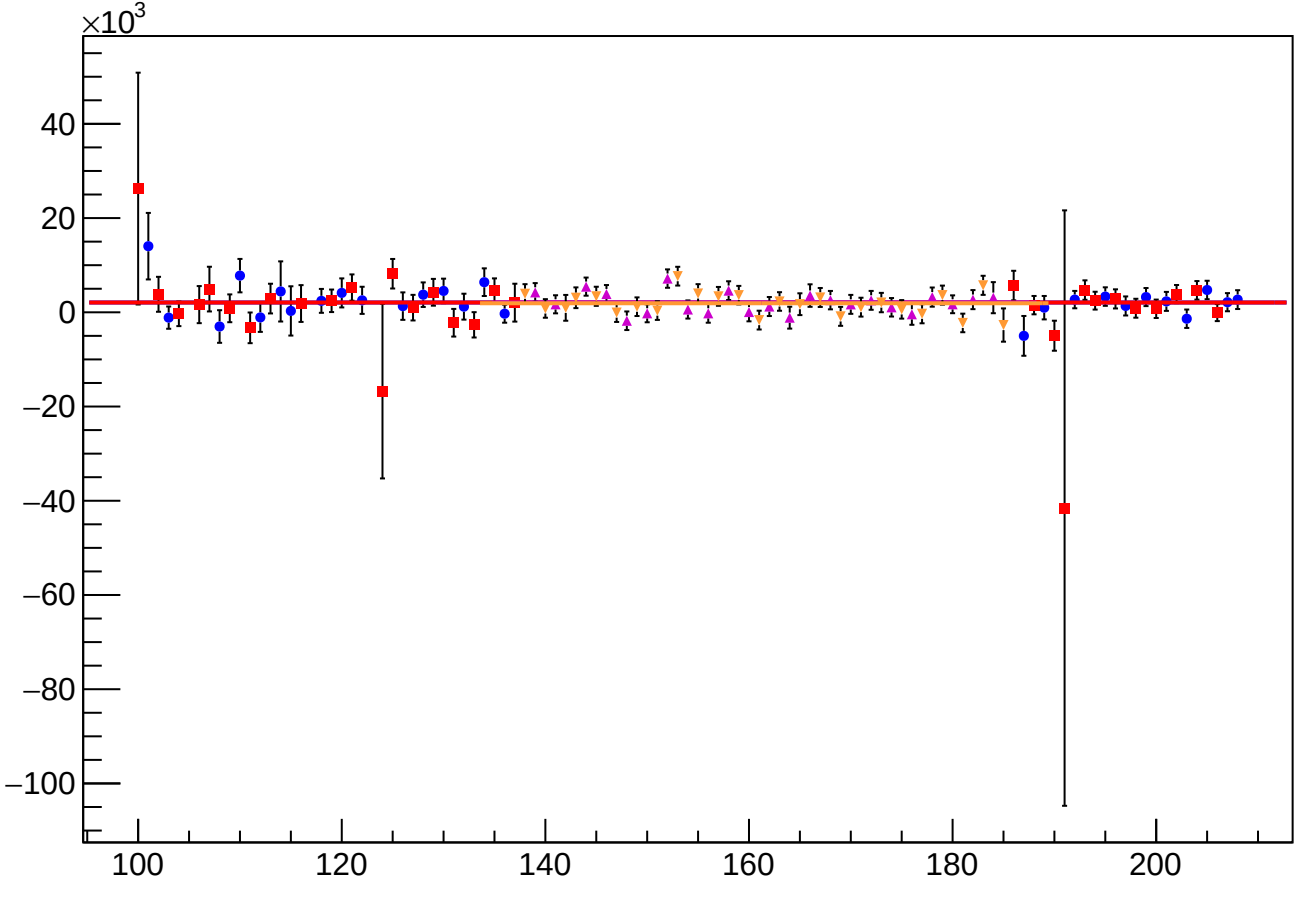
Right: 618.503+/-0.086 χ^2/NDF: 7027955.8/57

In: 532.731+/-0.072 χ^2/NDF:10855453.1/49

Out: 489.866+/-0.067 χ^2/NDF:12776098.0/55

All: 509.724+/-0.049 χ^2/NDF: 23822519.3/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2077.097+/-476.498 χ^2/NDF: 31.9/30

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

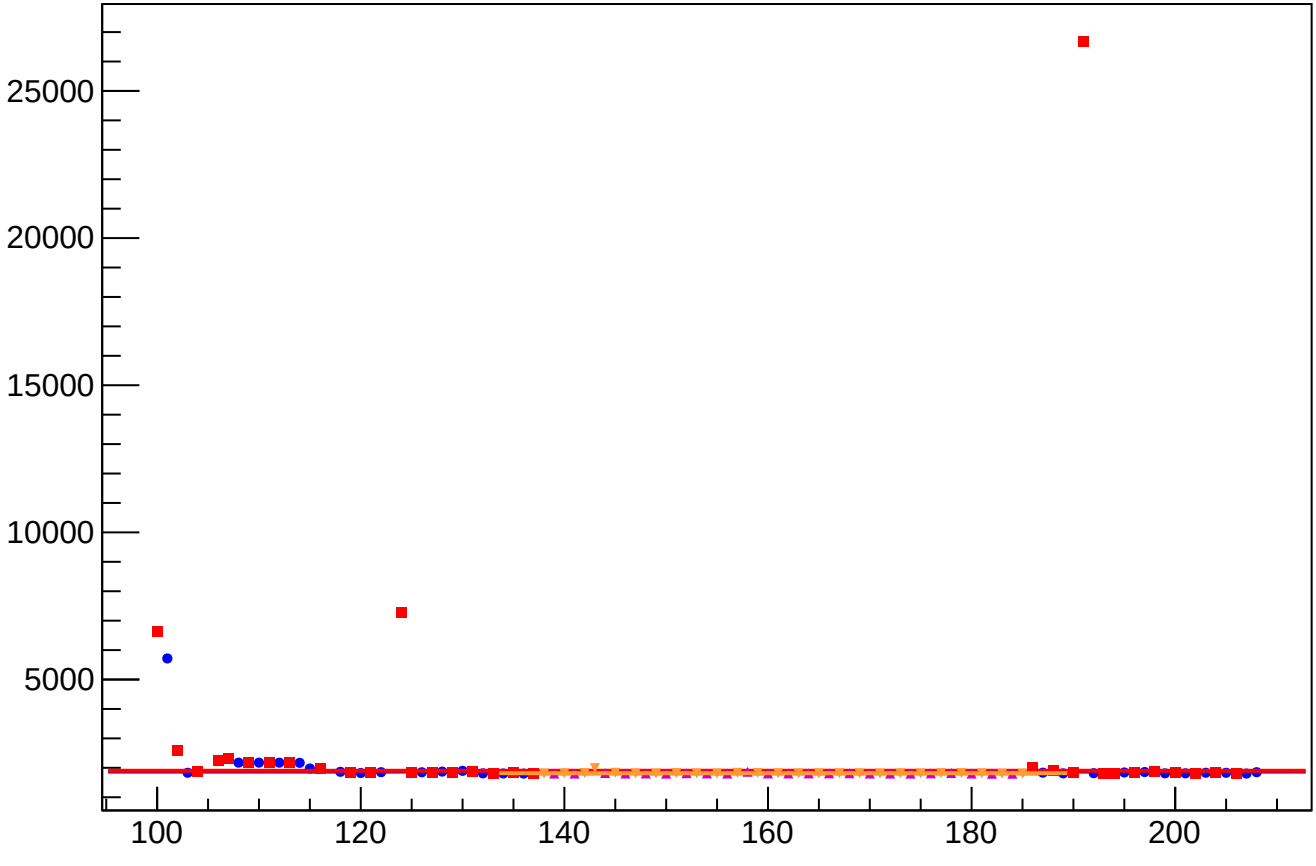
Right: 2079.848+/-336.604 χ^2/NDF: 57.4/57

In: 2077.966+/-316.147 χ^2/NDF:52.1/49

Out: 1987.711+/-312.051 χ^2/NDF:64.5/55

All: 2032.250+/-222.087 χ^2/NDF: 116.6/105

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

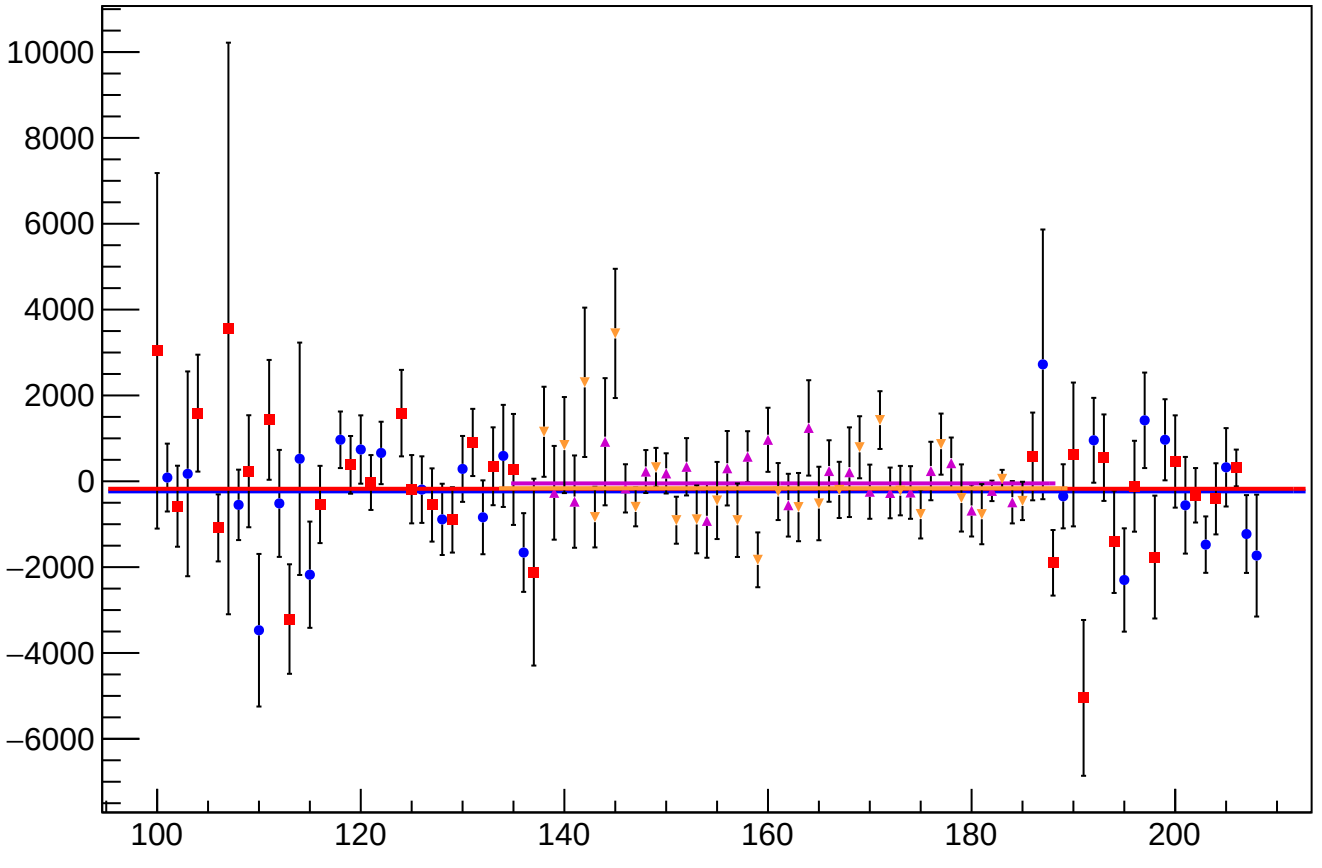
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1886.174+/-0.238 χ^2/NDF: 1406588.5/57

In: 1839.339+/-0.224 χ^2/NDF:685718.4/49

Out: 1852.564+/-0.221 χ^2/NDF:784565.3/55

All: 1846.038+/-0.157 χ^2/NDF: 1472056.4/10



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -174.717+/-164.451 χ^2/NDF: 37.1/30

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

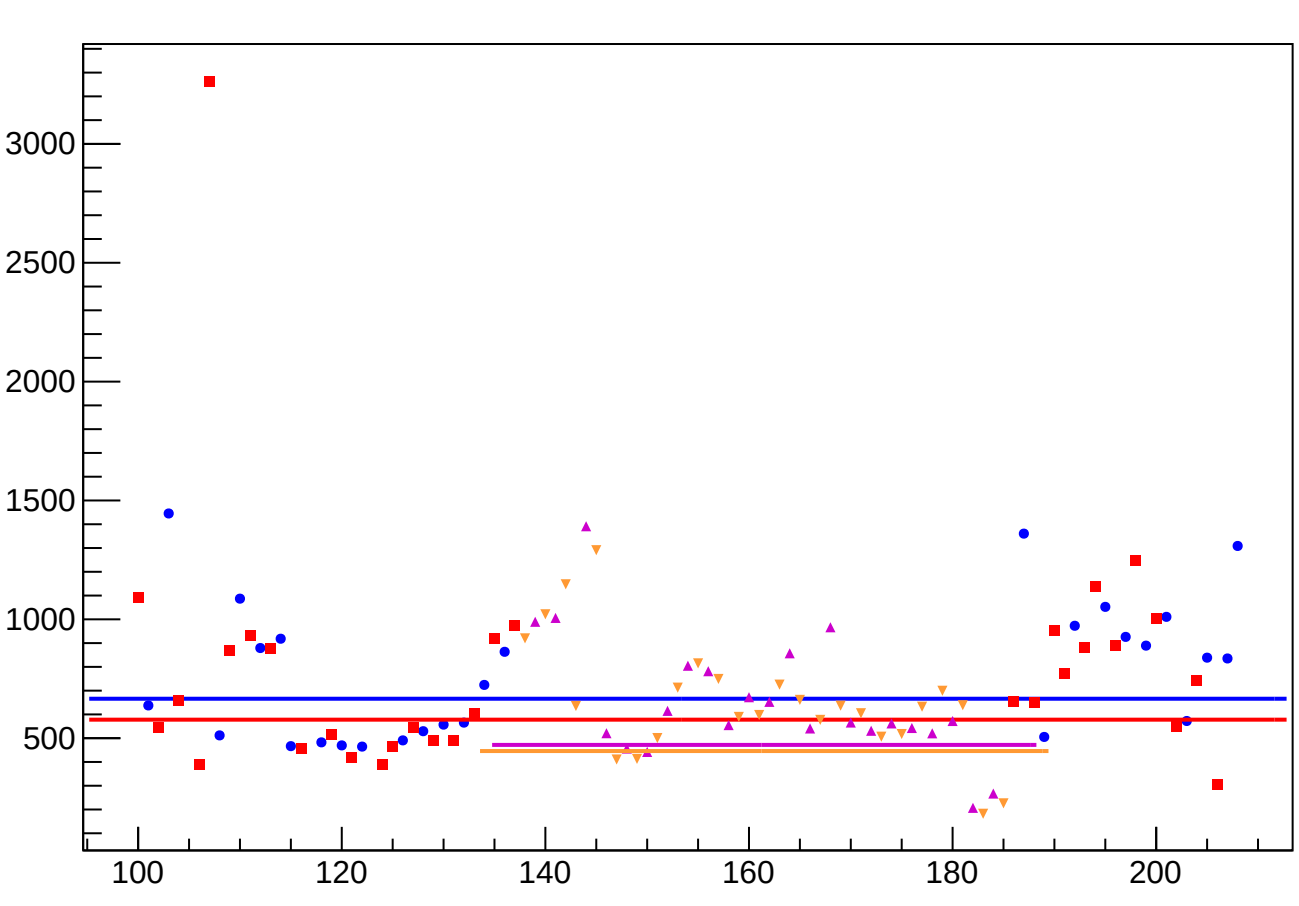
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -201.870+/-121.832 χ^2/NDF: 69.7/57

In: -107.571+/-101.627 χ^2/NDF:44.6/49

Out: -166.802+/-94.403 χ^2/NDF:74.0/55

All: -139.366+/-69.166 χ^2/NDF: 118.7/105



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

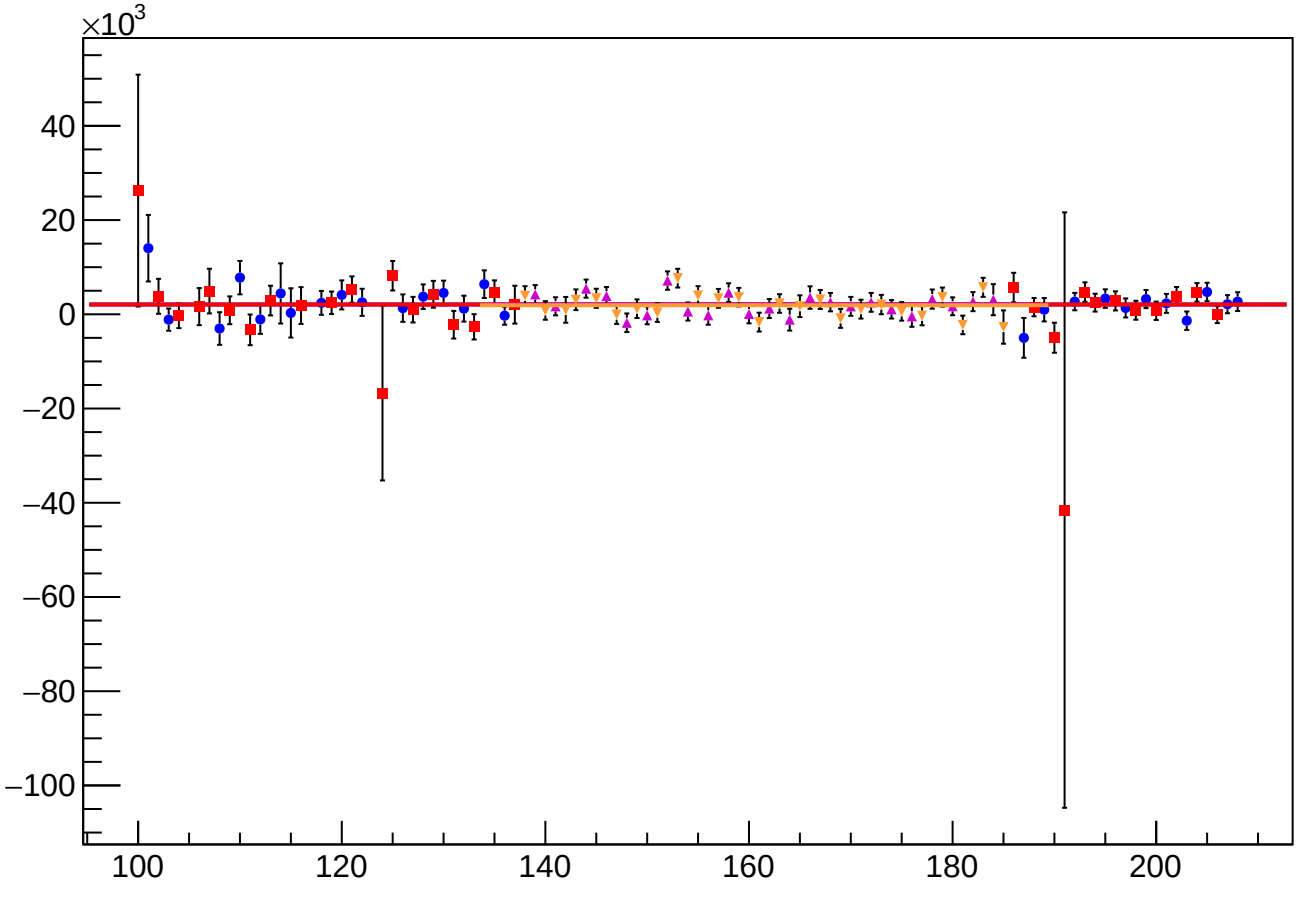
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 617.648+/-0.086 χ^2/NDF: 7075189.7/57

In: 532.727+/-0.072 χ^2/NDF:10854352.6/49

Out: 489.383+/-0.067 χ^2/NDF:12797590.6/55

All: 509.460+/-0.049 χ^2/NDF: 23847229.2/10



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2077.097+/-476.498 χ^2/NDF: 31.9/30

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

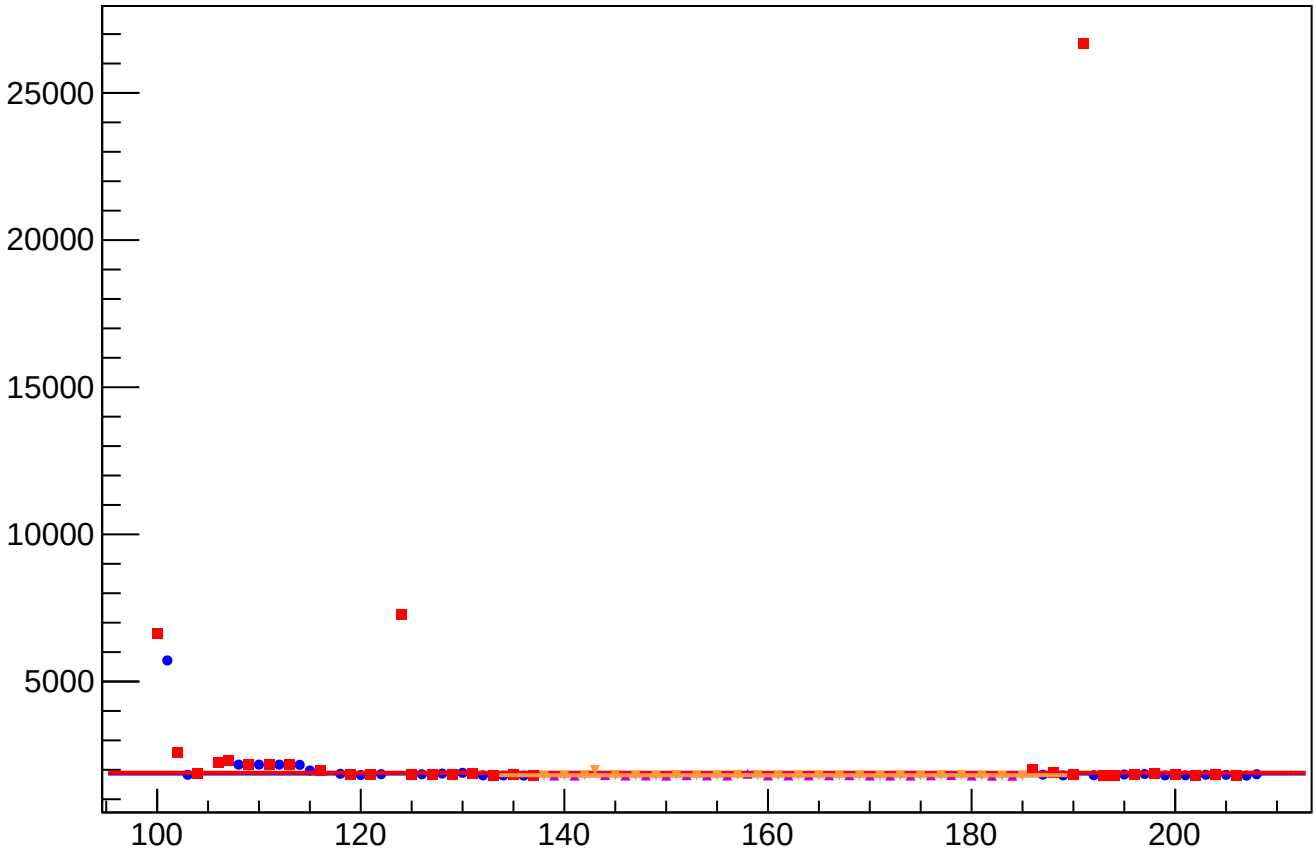
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2079.848+/-336.604 χ^2/NDF: 57.4/57

In: 2077.966+/-316.147 χ^2/NDF:52.1/49

Out: 1987.711+/-312.051 χ^2/NDF:64.5/55

All: 2032.250+/-222.087 χ^2/NDF: 116.6/105



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

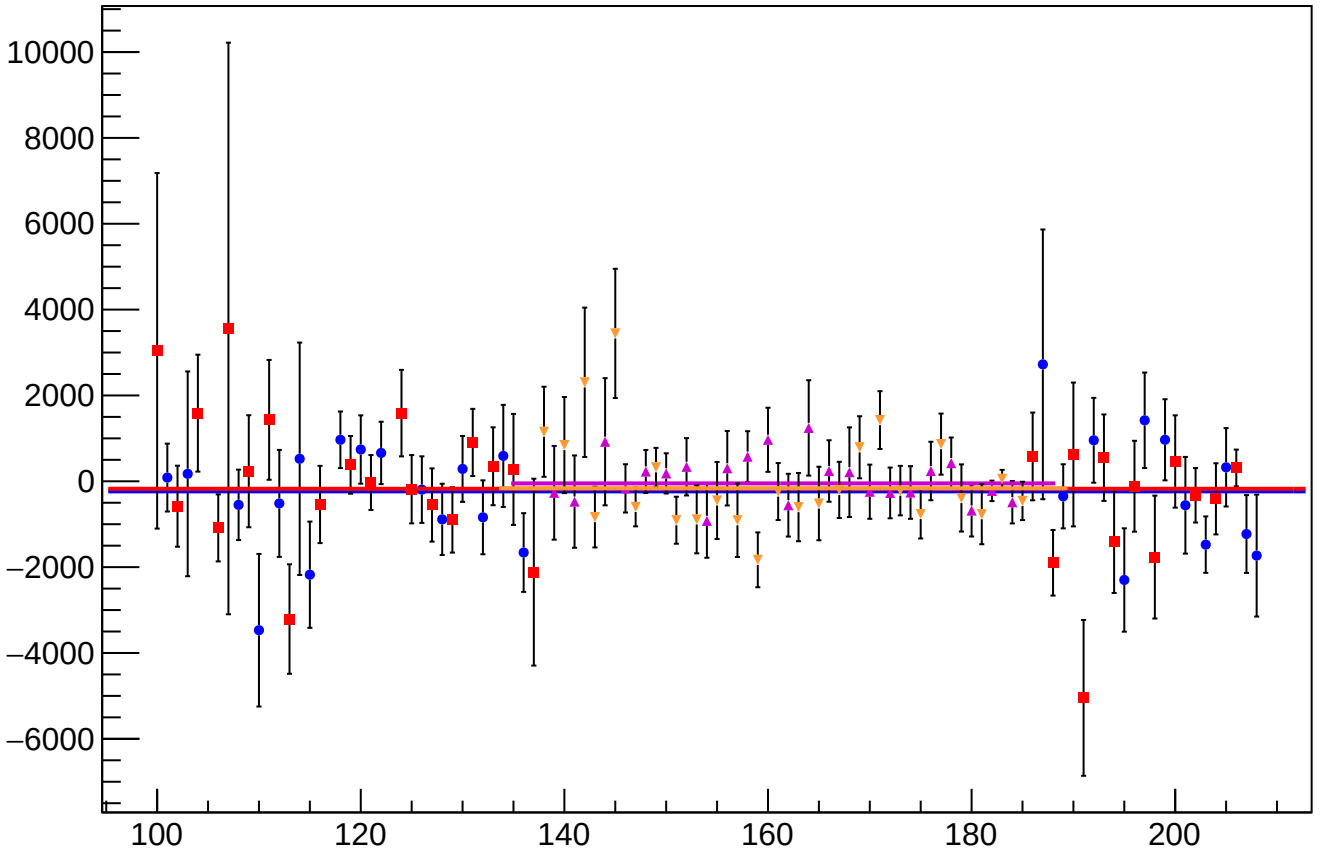
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1886.174+/-0.238 χ^2/NDF: 1406588.5/57

In: 1839.339+/-0.224 χ^2/NDF:685718.4/49

Out: 1852.564+/-0.221 χ^2/NDF:784565.3/55

All: 1846.038+/-0.157 χ^2/NDF: 1472056.4/10



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -174.717+/-164.451 χ^2/NDF: 37.1/30

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

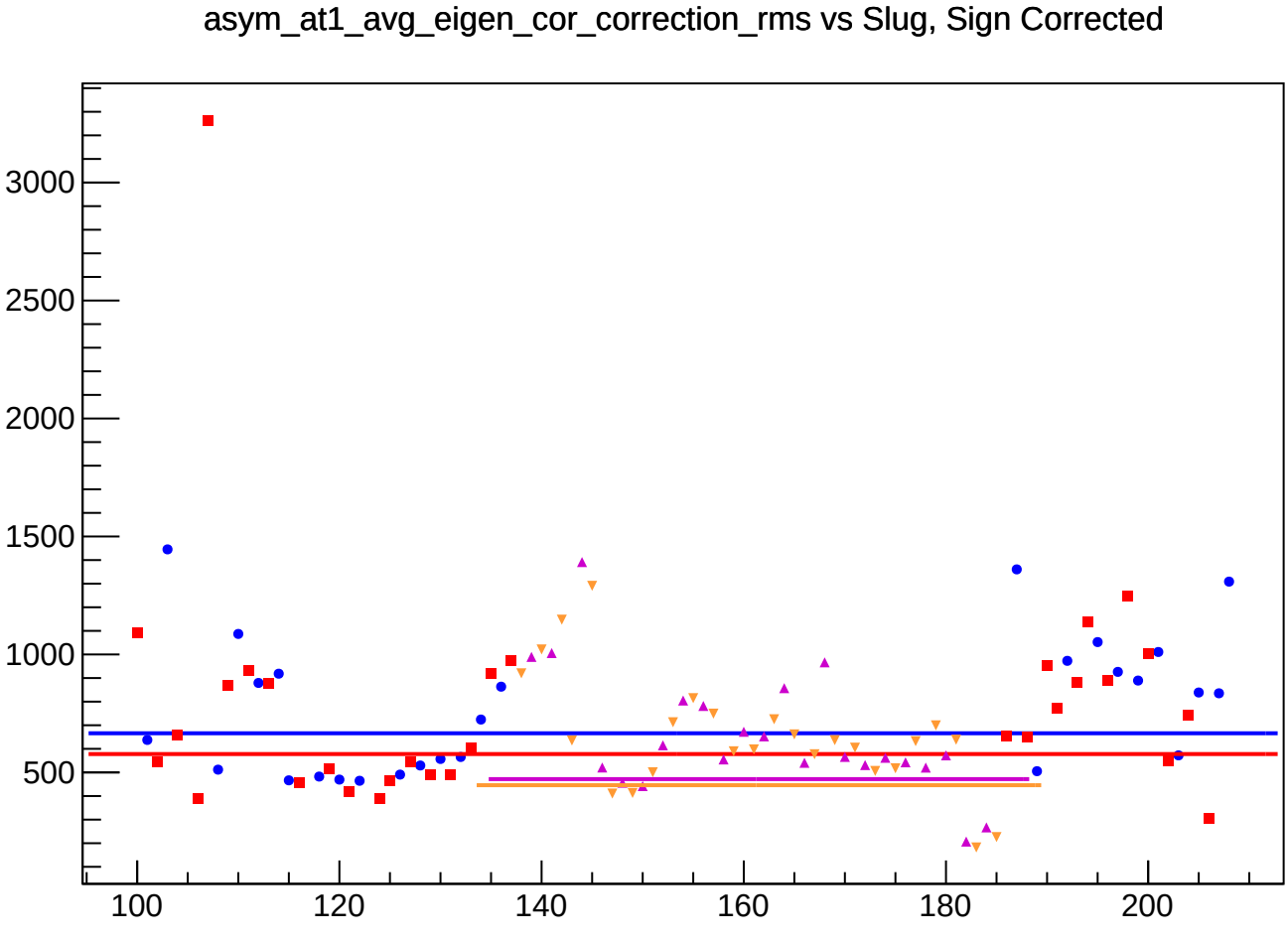
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

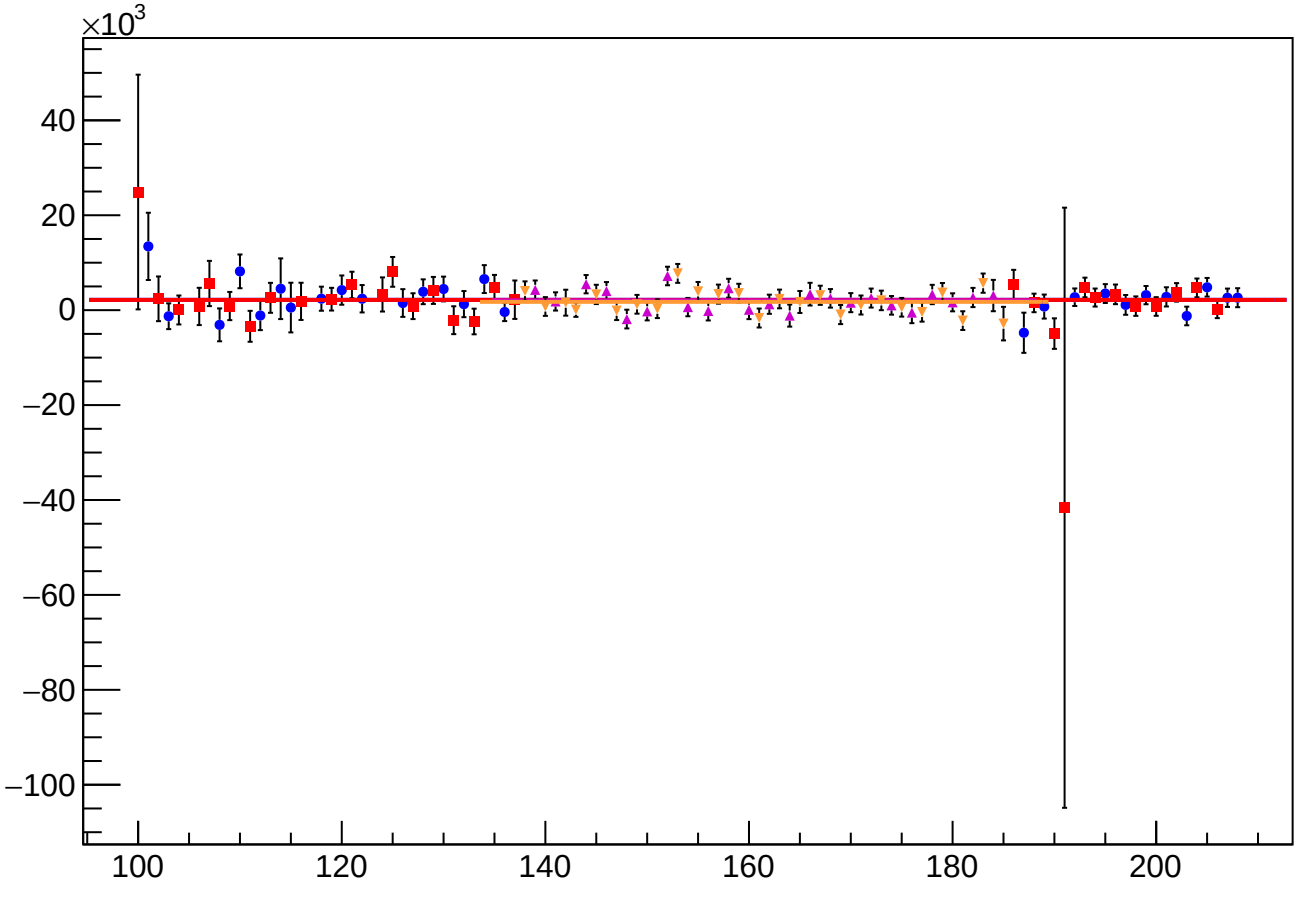
Right: -201.870+/-121.832 χ^2/NDF: 69.7/57

In: -107.571+/-101.627 χ^2/NDF:44.6/49

Out: -166.802+/-94.403 χ^2/NDF:74.0/55

All: -139.366+/-69.166 χ^2/NDF: 118.7/105


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 665.976+/-0.128 χ²/NDF: 2867440.4/26
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 577.922+/-0.116 χ²/NDF: 3949059.4/30
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 617.648+/-0.086 χ²/NDF: 7075189.7/57
In: 532.727+/-0.072 χ²/NDF:10854352.6/49
Out: 489.383+/-0.067 χ²/NDF:12797590.6/55
All: 509.460+/-0.049 χ²/NDF: 23847229.2/10



Right In: 2178.618+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2160.635+/-479.052 χ^2/NDF: 29.7/30

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

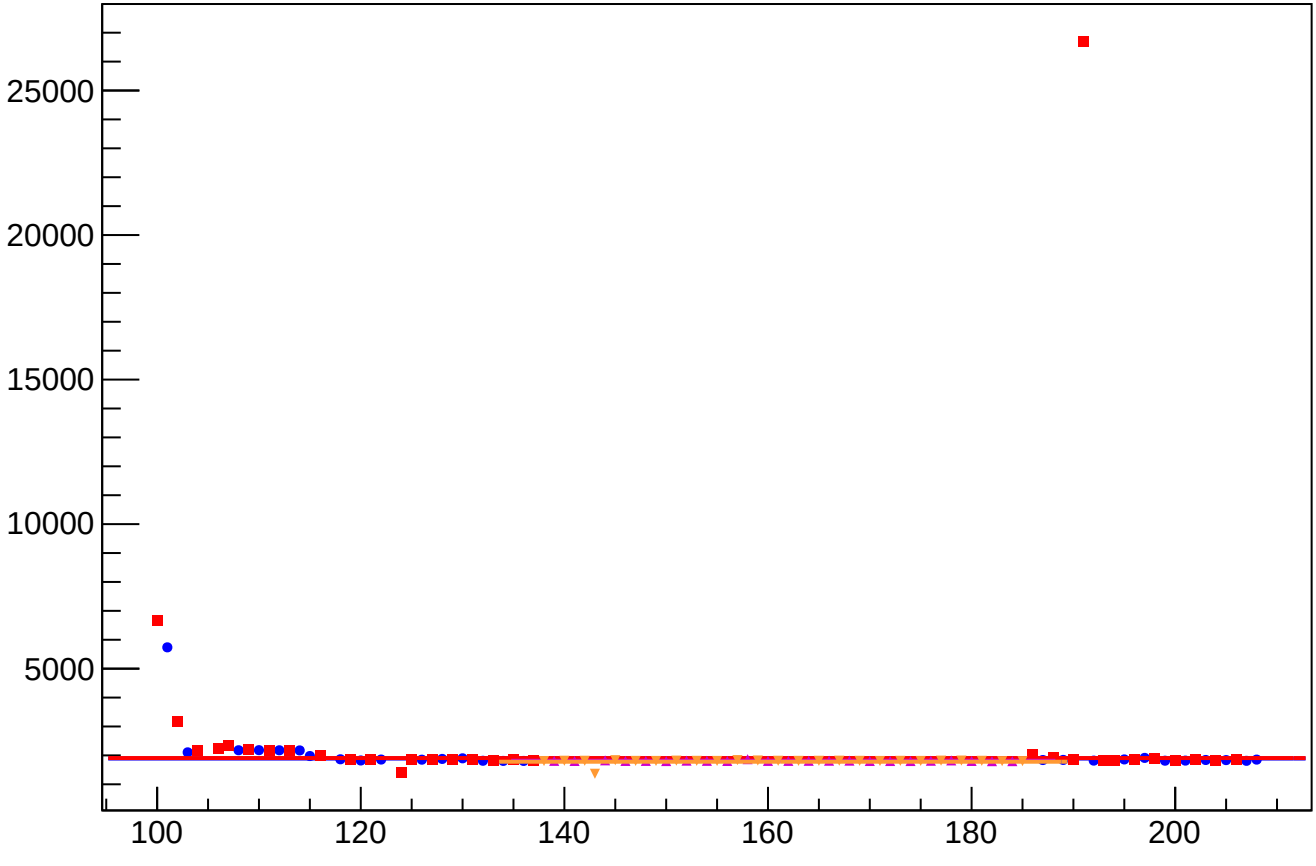
Right: 2169.603+/-339.190 χ^2/NDF: 55.3/57

In: 2119.461+/-317.722 χ^2/NDF:52.6/49

Out: 1924.559+/-309.462 χ^2/NDF:63.9/55

All: 2019.444+/-221.685 χ^2/NDF: 116.7/105

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.6/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691342.0/30

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

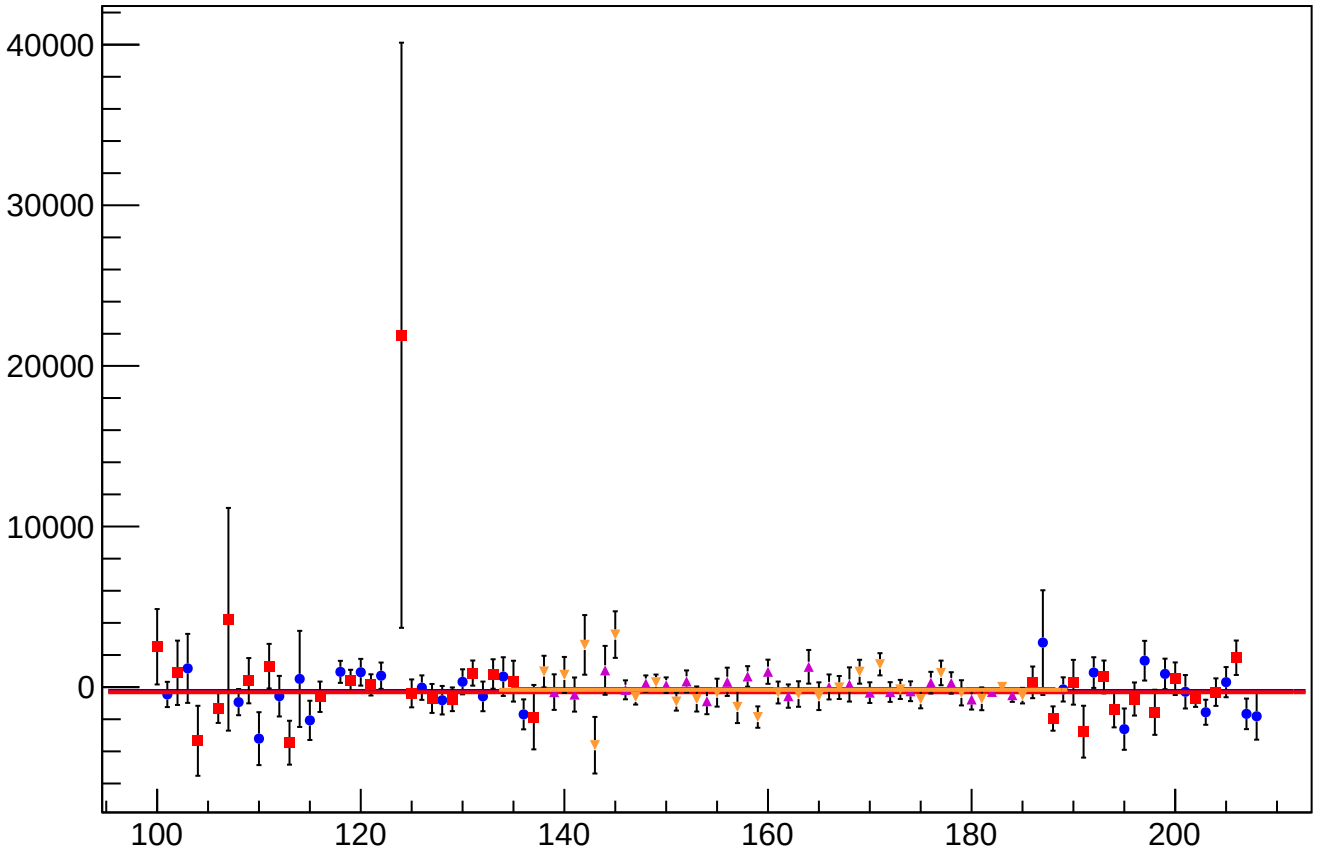
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1899.650+/-0.240 χ^2/NDF: 1368554.7/57

In: 1848.092+/-0.225 χ^2/NDF:706969.4/49

Out: 1833.904+/-0.219 χ^2/NDF:938166.6/55

All: 1840.811+/-0.157 χ^2/NDF: 1647182.4/10



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -317.446+/-179.178 χ^2/NDF: 36.4/30

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

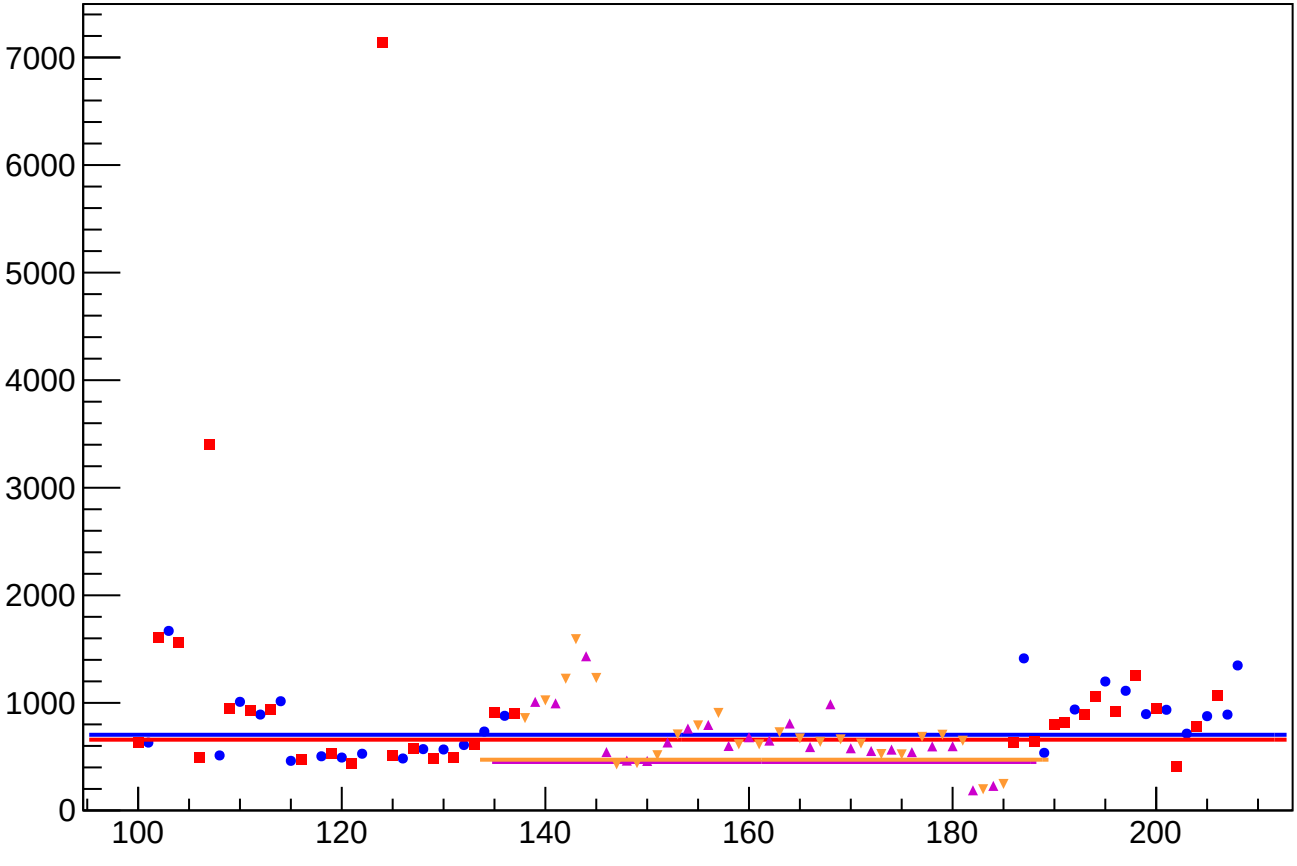
Right: -280.199+/-129.572 χ^2/NDF: 69.7/57

In: -152.586+/-100.951 χ^2/NDF:45.9/49

Out: -215.079+/-100.633 χ^2/NDF:75.2/55

All: -183.931+/-71.271 χ^2/NDF: 121.2/105

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 703.509+/-0.133 χ^2/NDF: 3055008.6/26

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347373.6/30

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

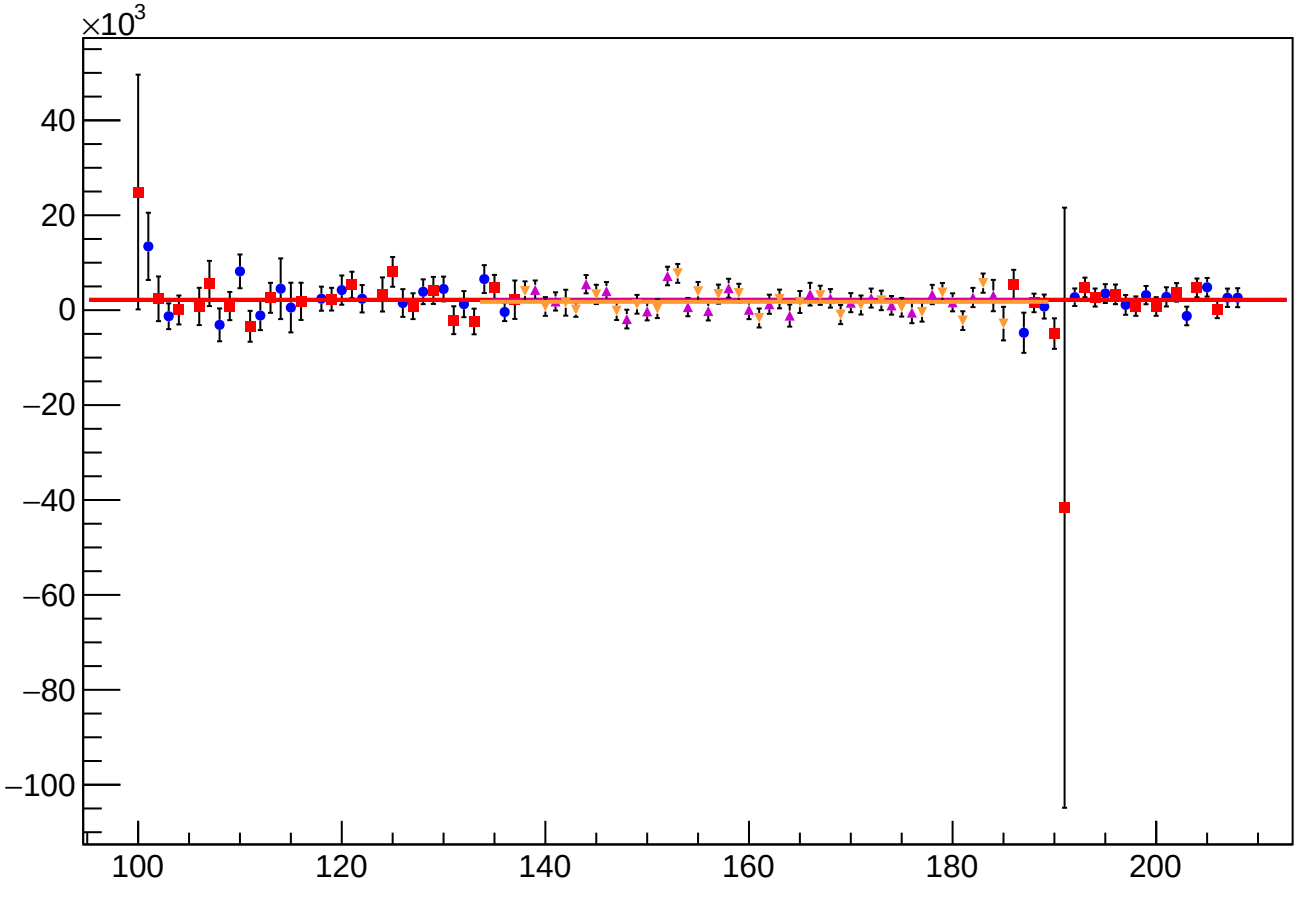
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 679.658+/-0.092 χ^2/NDF: 7464207.4/57

In: 523.876+/-0.071 χ^2/NDF:13564705.5/49

Out: 530.487+/-0.071 χ^2/NDF:13937344.6/55

All: 527.192+/-0.050 χ^2/NDF: 27506352.5/10



Right In: 2178.616+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2160.634+/-479.051 χ^2/NDF: 29.7/30

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

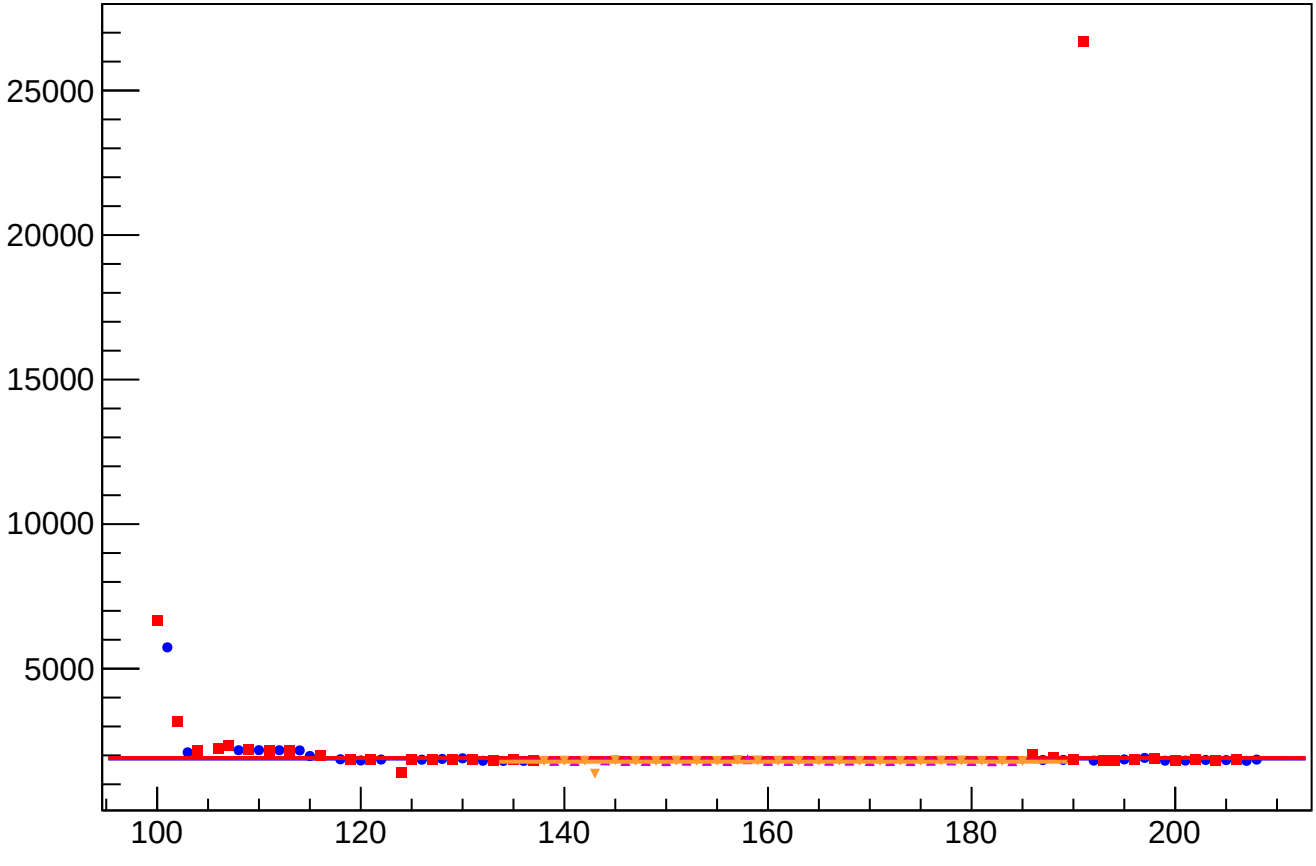
Right: 2169.601+/-339.190 χ^2/NDF: 55.3/57

In: 2119.460+/-317.722 χ^2/NDF:52.6/49

Out: 1924.559+/-309.462 χ^2/NDF:63.9/55

All: 2019.443+/-221.685 χ^2/NDF: 116.7/105

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.2/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691340.6/30

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

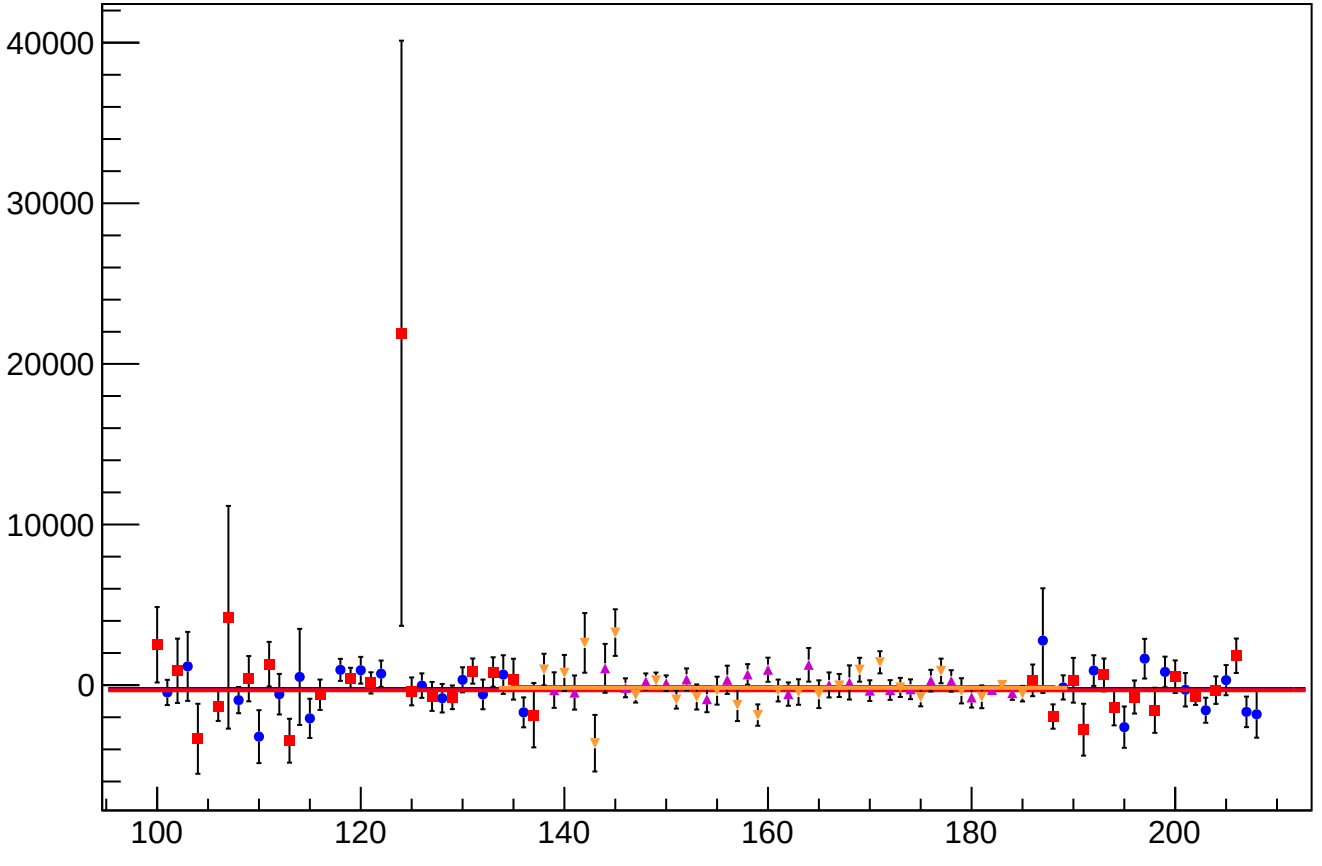
Right: 1899.650+/-0.240 χ^2/NDF: 1368552.8/57

In: 1848.092+/-0.225 χ^2/NDF:706968.9/49

Out: 1833.904+/-0.219 χ^2/NDF:938165.0/55

All: 1840.811+/-0.157 χ^2/NDF: 1647180.4/10

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -317.446+/-179.178 χ^2/NDF: 36.4/30

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

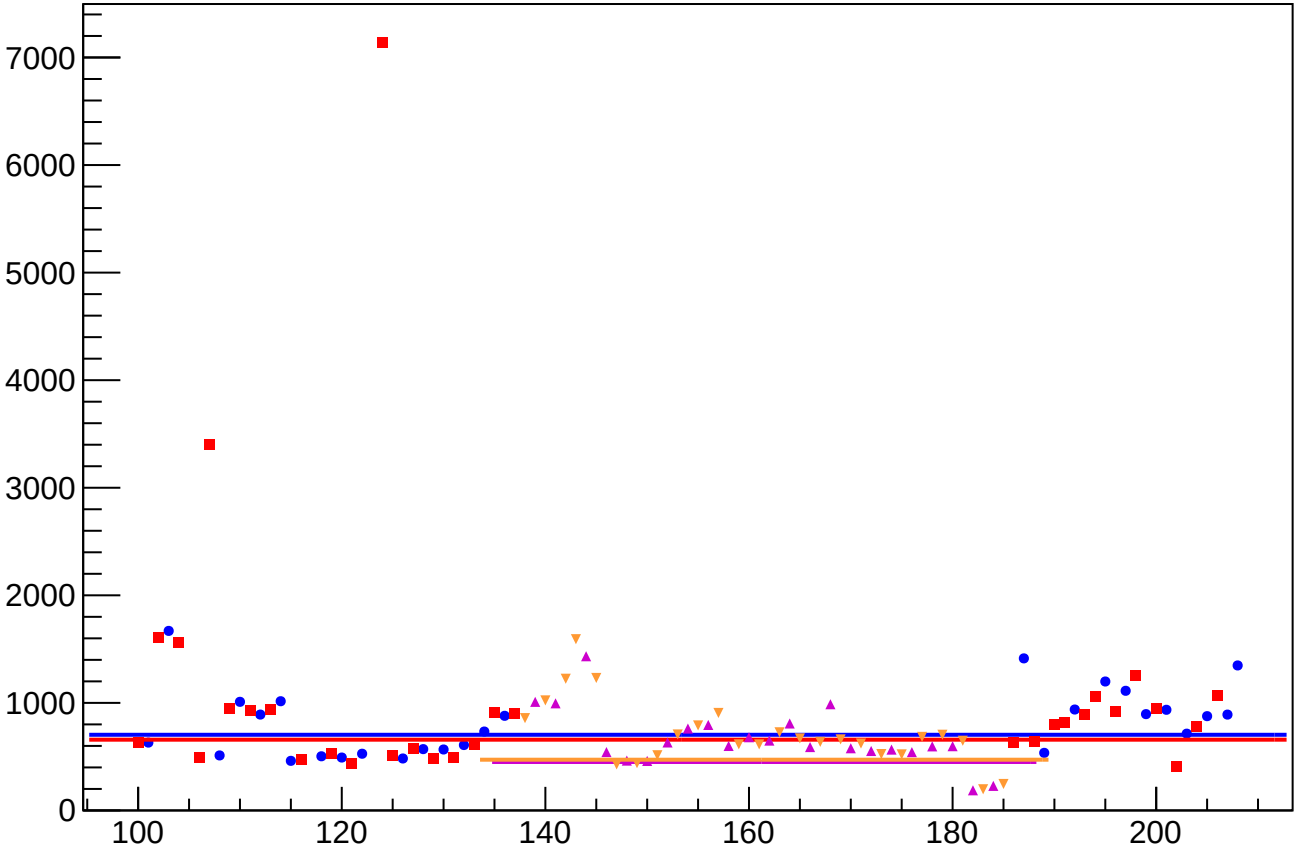
Right: -280.198+/-129.572 χ^2/NDF: 69.7/57

In: -152.586+/-100.951 χ^2/NDF:45.9/49

Out: -215.079+/-100.633 χ^2/NDF:75.2/55

All: -183.931+/-71.271 χ^2/NDF: 121.2/105

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 703.509+/-0.133 χ^2/NDF: 3055034.9/26

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347384.6/30

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

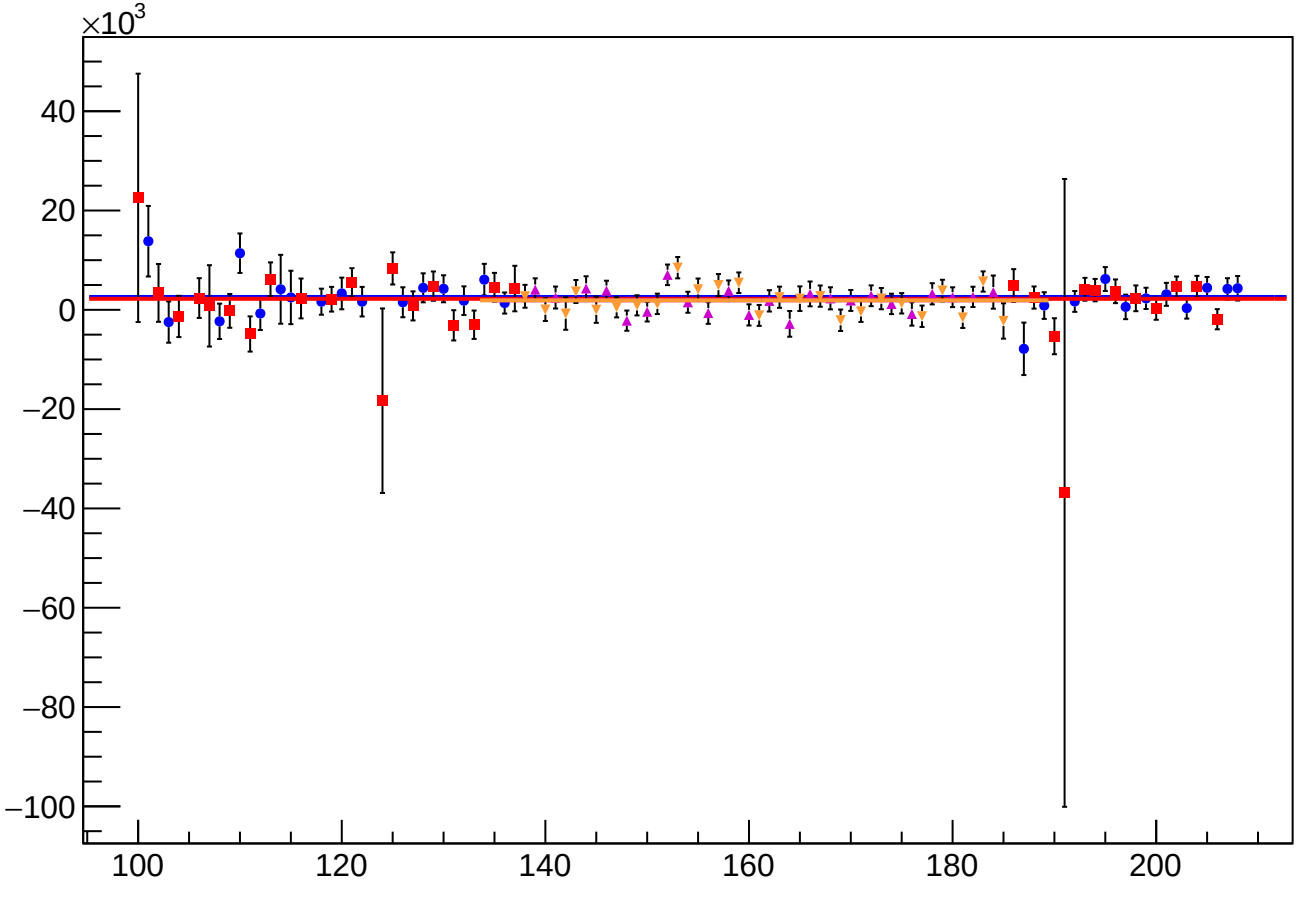
Right: 679.658+/-0.092 χ^2/NDF: 7464243.2/57

In: 523.876+/-0.071 χ^2/NDF:13564687.1/49

Out: 530.488+/-0.071 χ^2/NDF:13937343.6/55

All: 527.192+/-0.050 χ^2/NDF: 27506332.9/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2589.080+/-535.737 χ^2/NDF: 25.0/26

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2217.896+/-538.111 χ^2/NDF: 36.3/30

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

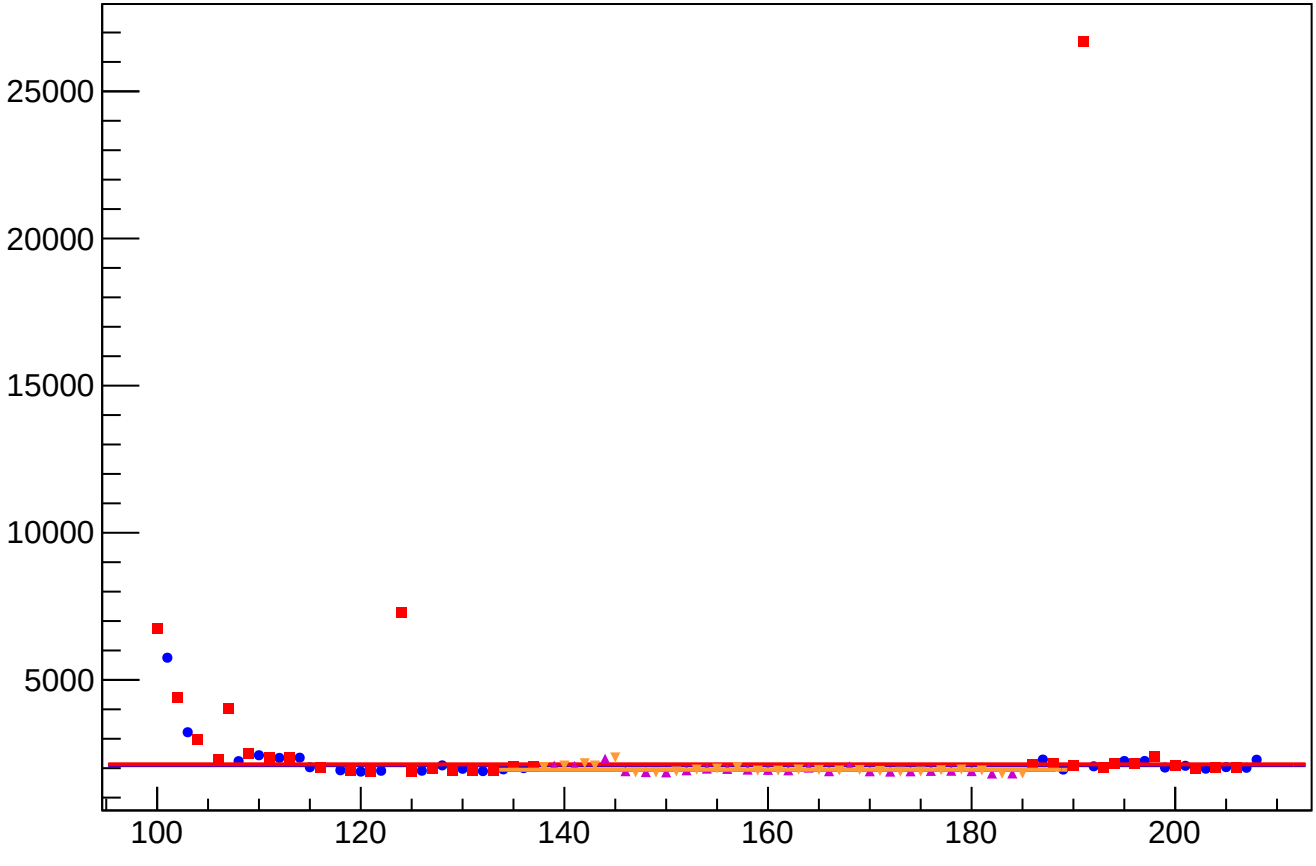
Right: 2404.308+/-379.660 χ^2/NDF: 61.5/57

In: 2204.106+/-346.749 χ^2/NDF:50.7/49

Out: 2032.986+/-342.252 χ^2/NDF:72.7/55

All: 2117.429+/-243.583 χ^2/NDF: 123.5/105

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2103.096+/-0.379 χ^2/NDF: 809703.7/26

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2131.192+/-0.381 χ^2/NDF: 1178809.6/30

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

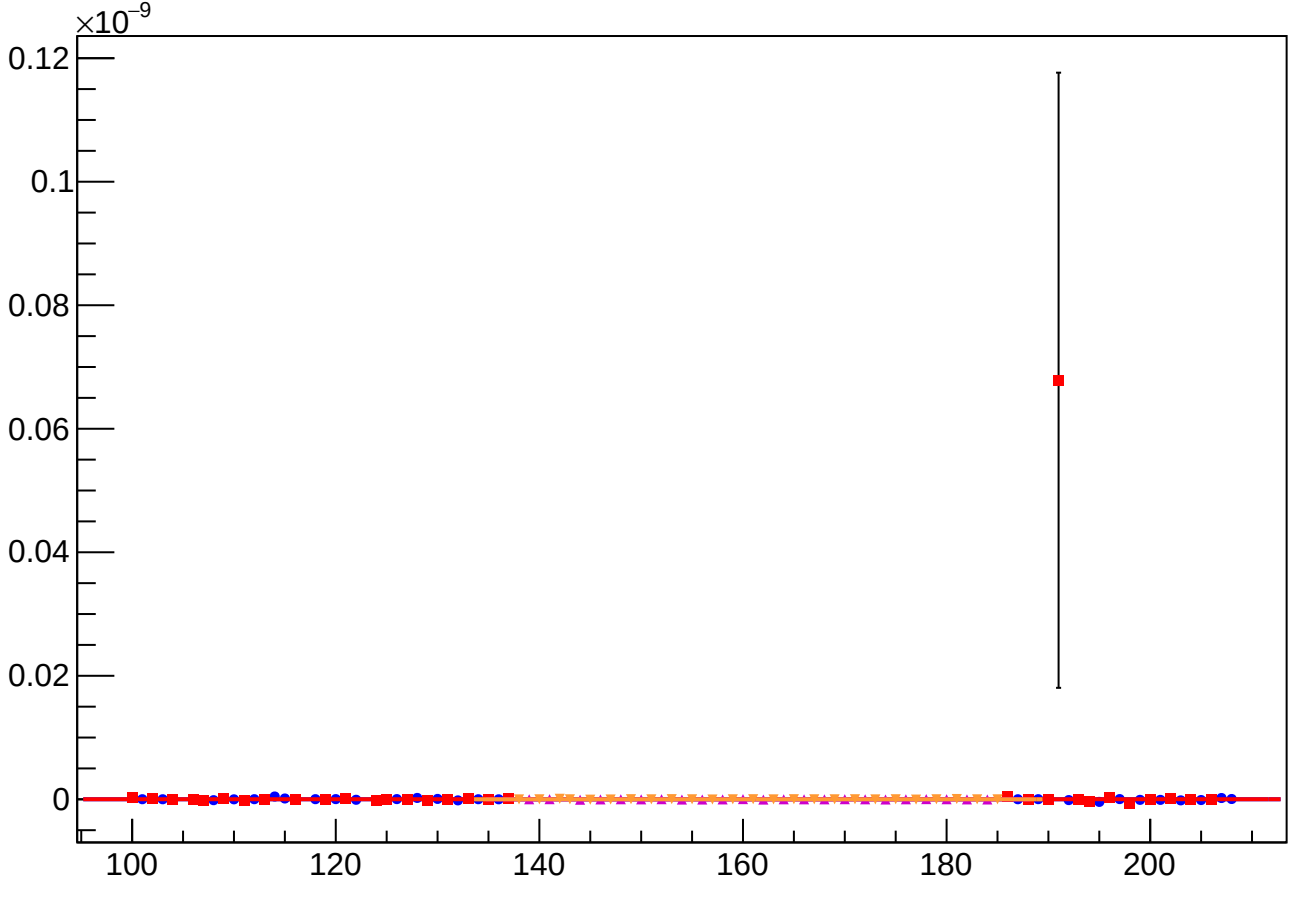
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2117.082+/-0.268 χ^2/NDF: 1991251.4/57

In: 2011.306+/-0.245 χ^2/NDF:1006695.6/49

Out: 2022.703+/-0.242 χ^2/NDF:1423855.3/55

All: 2017.079+/-0.172 χ^2/NDF: 2431645.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/30

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

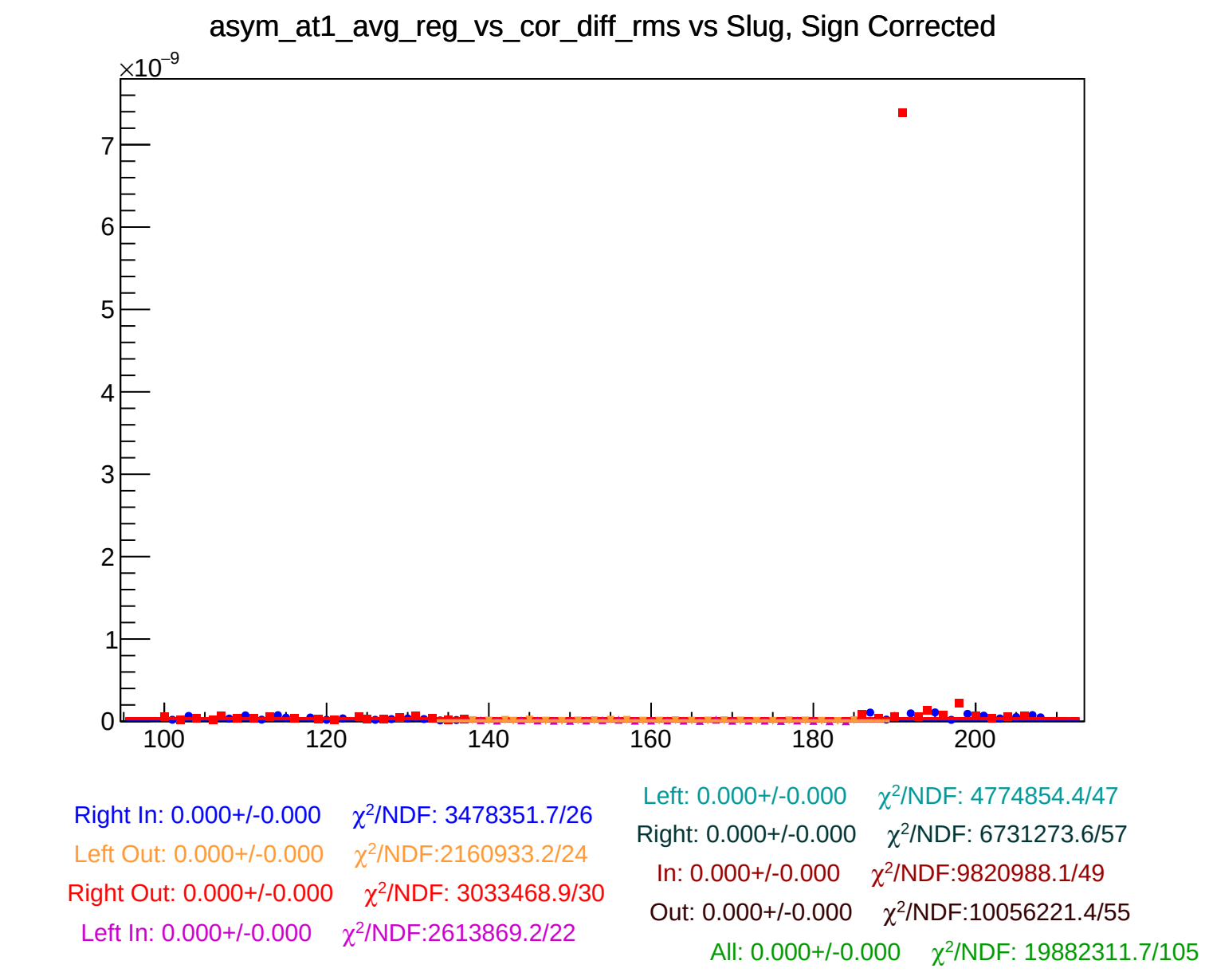
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

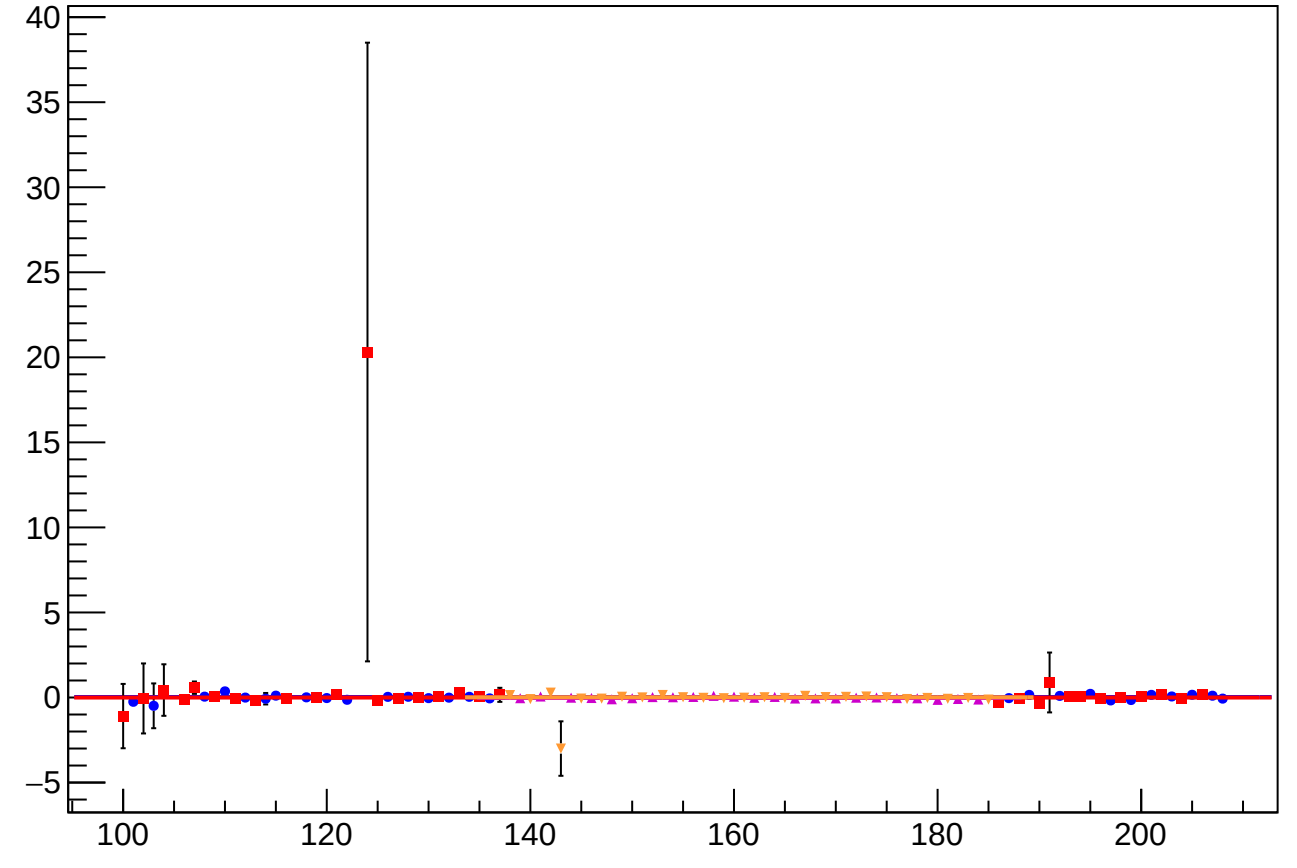
Right: 0.000+/-0.000 χ^2/NDF: 63.9/57

In: -0.000+/-0.000 χ^2/NDF:65.0/49

Out: 0.000+/-0.000 χ^2/NDF:59.5/55

All: -0.000+/-0.000 χ^2/NDF: 125.2/105


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3478351.7/26
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3033468.9/30
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 6731273.6/57
In: 0.000+/-0.000 χ²/NDF:9820988.1/49
Out: 0.000+/-0.000 χ²/NDF:10056221.4/55
All: 0.000+/-0.000 χ²/NDF: 19882311.7/105



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

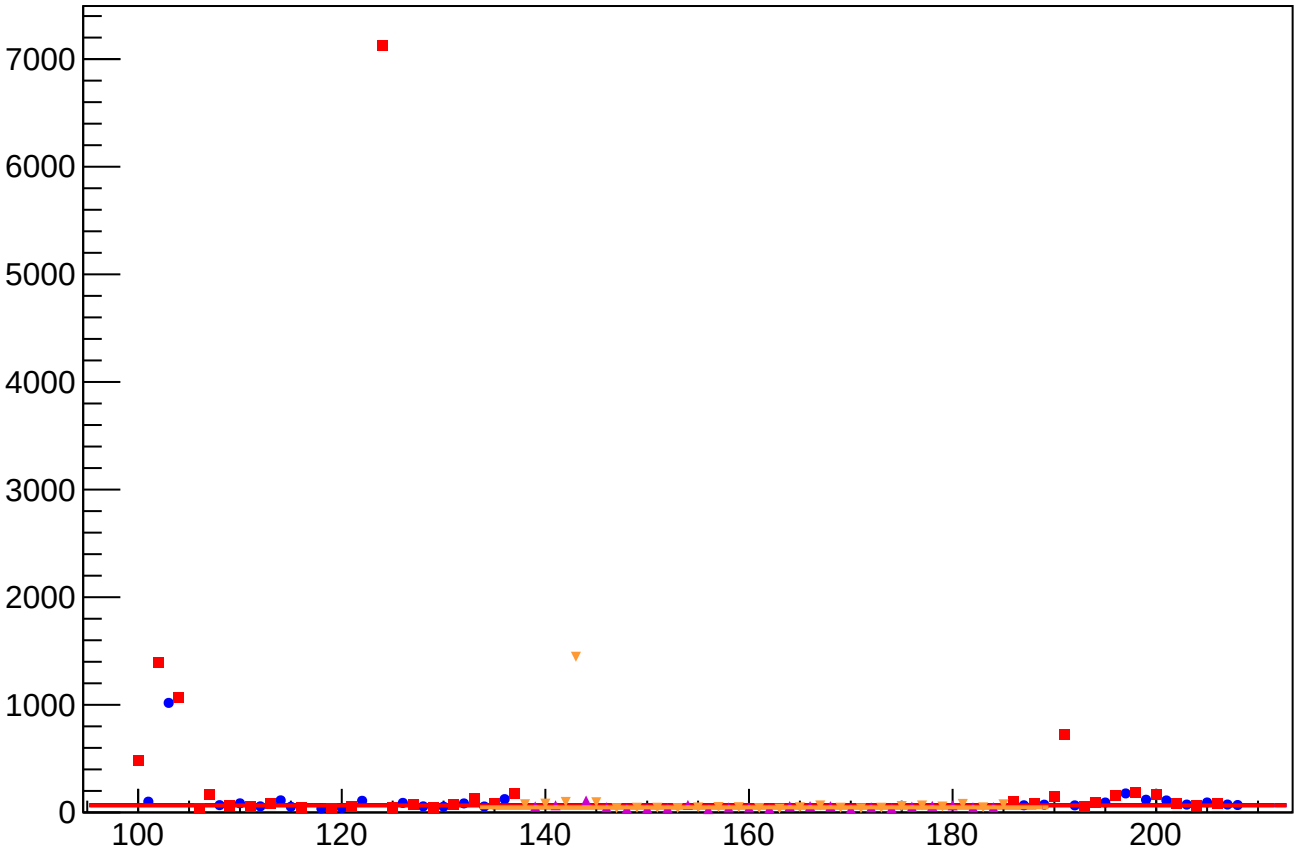
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.013+/-0.015 χ^2/NDF: 54.4/57

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.007 χ^2/NDF: 108.1/105



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

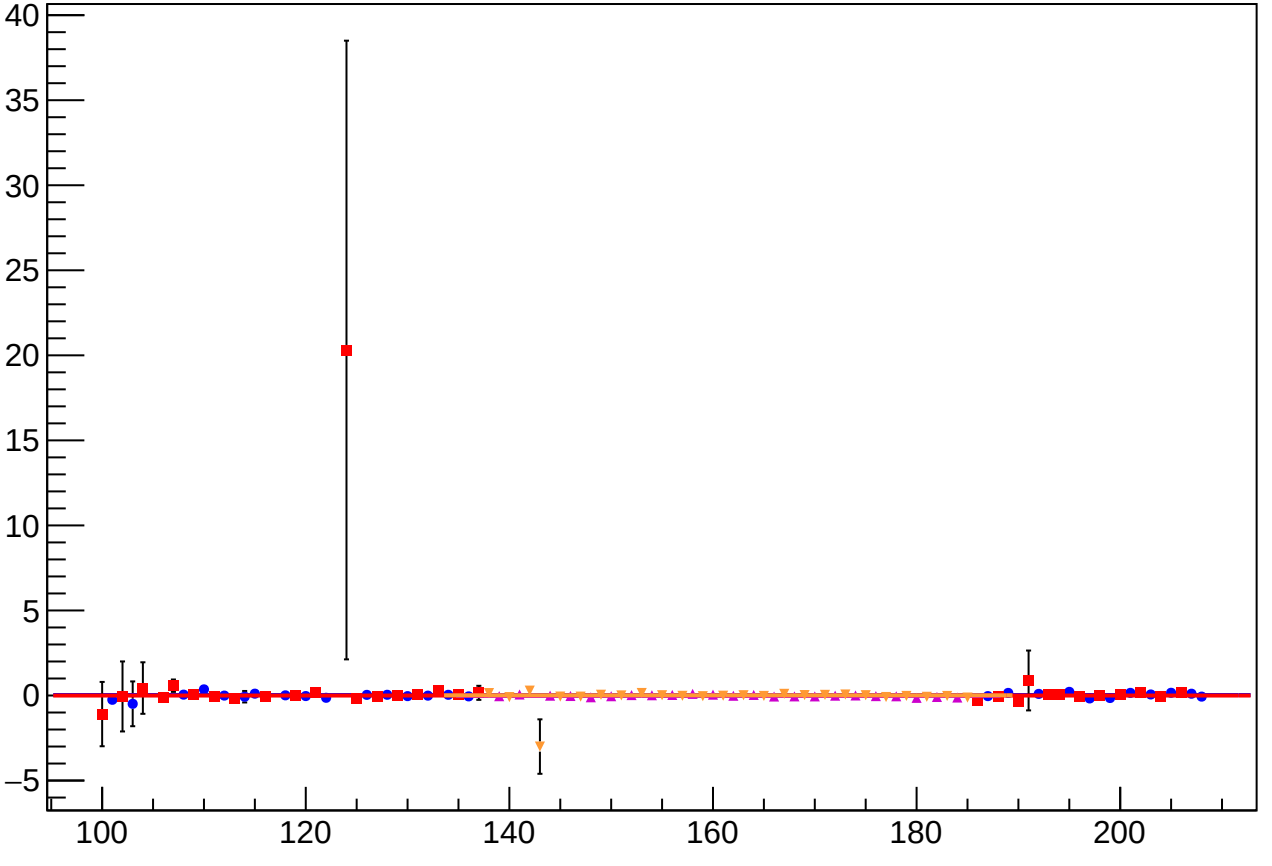
Right: 66.602+/-0.010 χ^2/NDF: 10138323.4/57

In: 52.451+/-0.007 χ^2/NDF:7465894.1/49

Out: 52.461+/-0.008 χ^2/NDF:10715329.5/55

All: 52.456+/-0.005 χ^2/NDF: 18181224.6/105

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

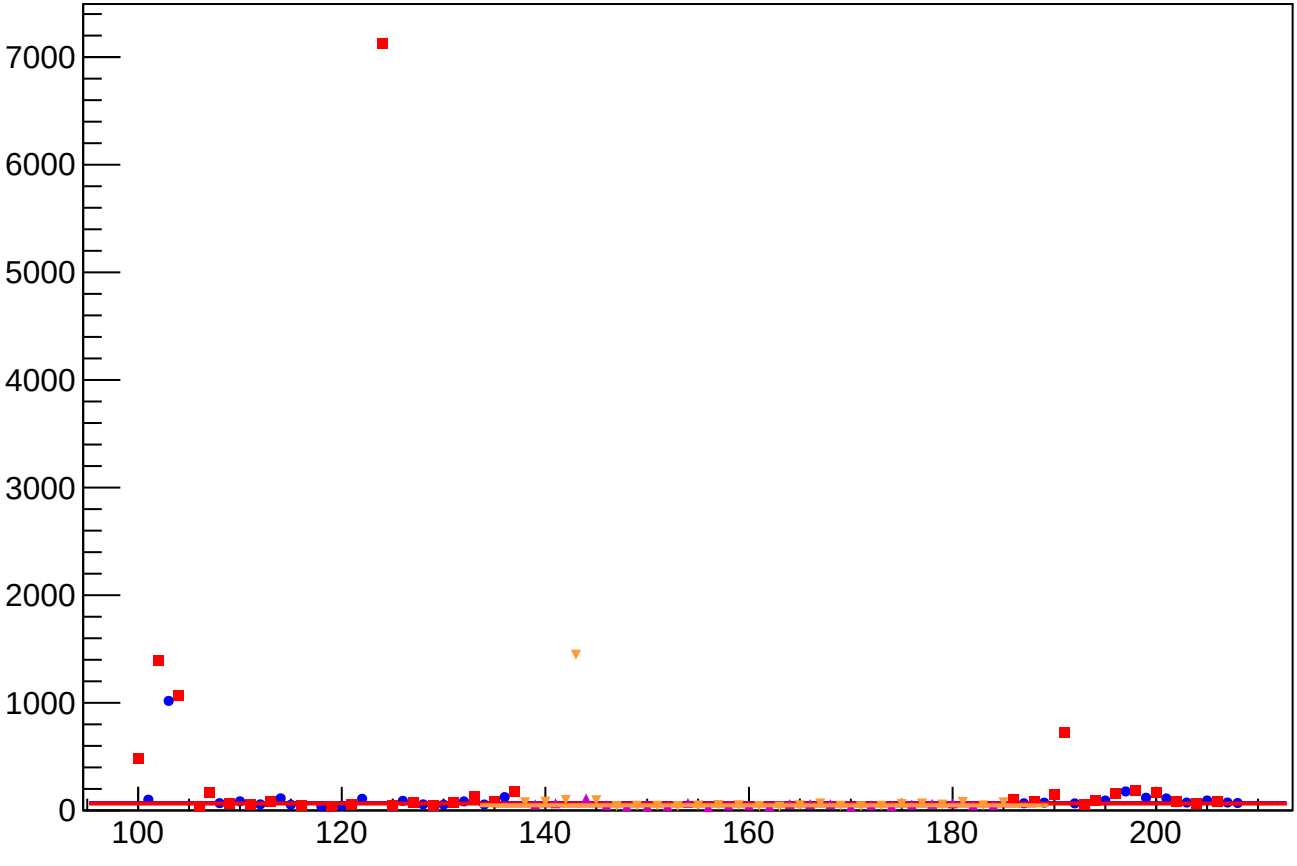
Right: 0.013+/-0.015 χ^2/NDF: 54.4/57

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.007 χ^2/NDF: 108.1/105

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

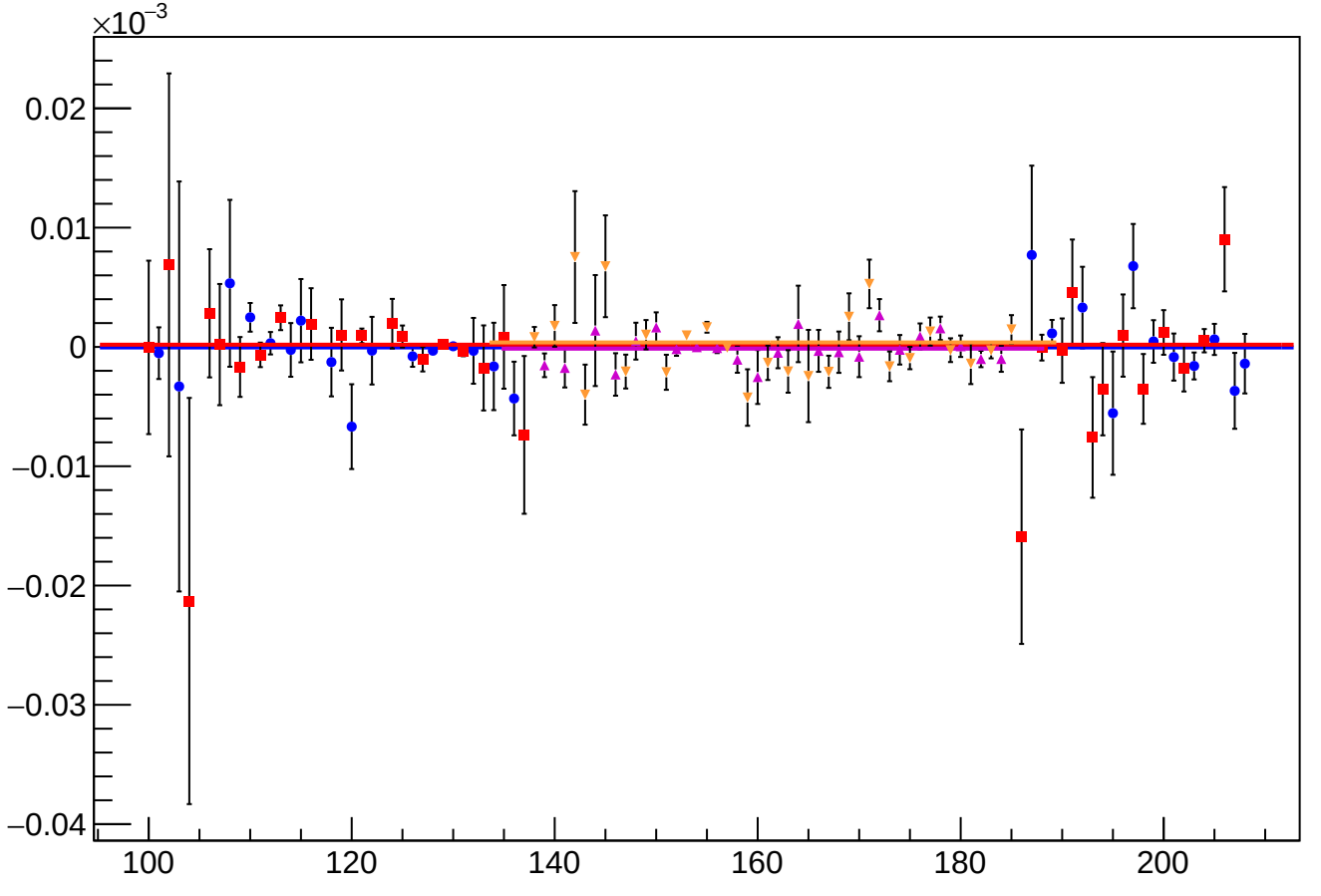
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.602+/-0.010 χ^2/NDF: 10138323.4/57

In: 52.451+/-0.007 χ^2/NDF:7465894.1/49

Out: 52.461+/-0.008 χ^2/NDF:10715329.5/55

All: 52.456+/-0.005 χ^2/NDF: 18181224.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/30

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

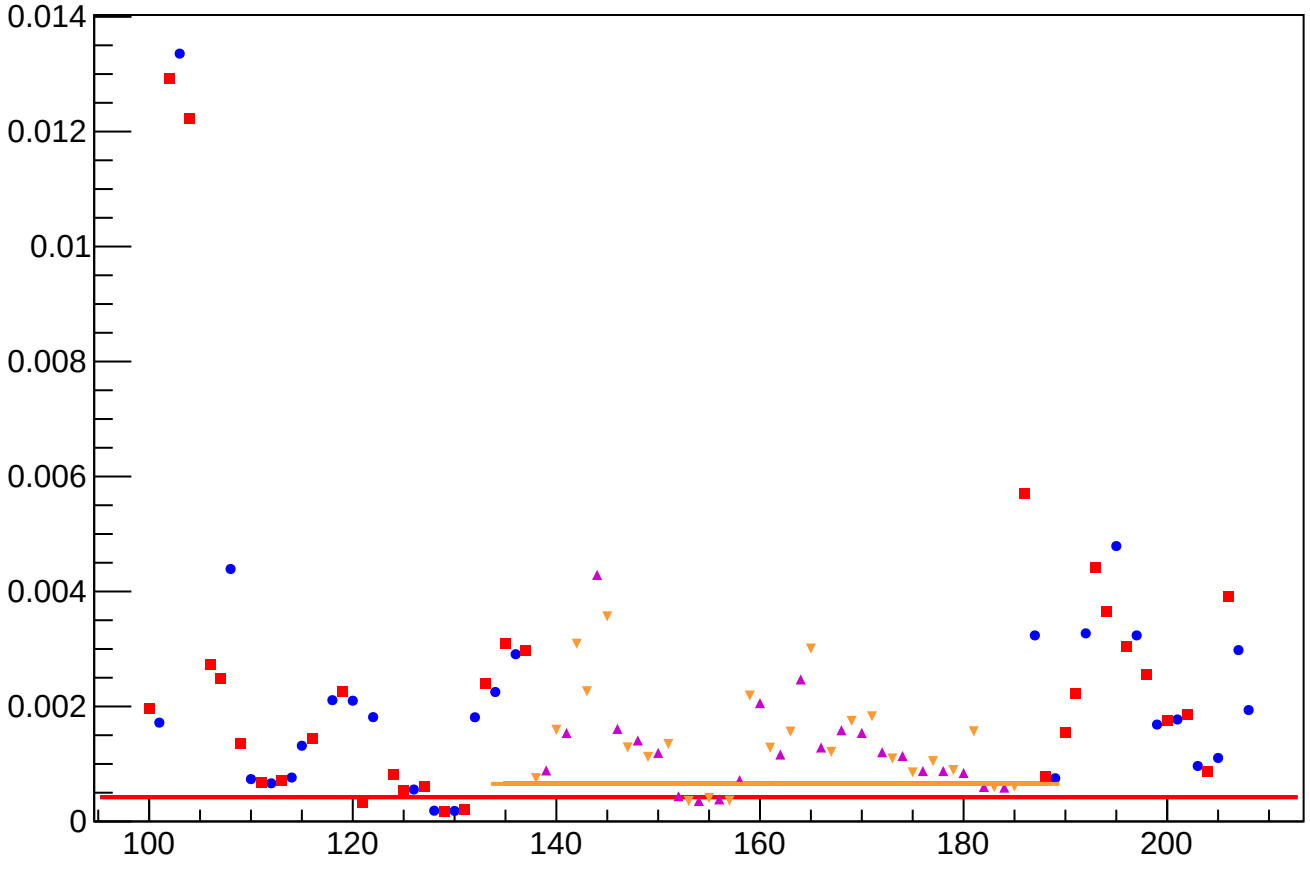
Right: 0.000+/-0.000 χ^2/NDF: 56.0/57

In: -0.000+/-0.000 χ^2/NDF:44.8/49

Out: 0.000+/-0.000 χ^2/NDF:82.6/55

All: 0.000+/-0.000 χ^2/NDF: 131.6/105

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18971262.0/26

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18808502.3/30

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

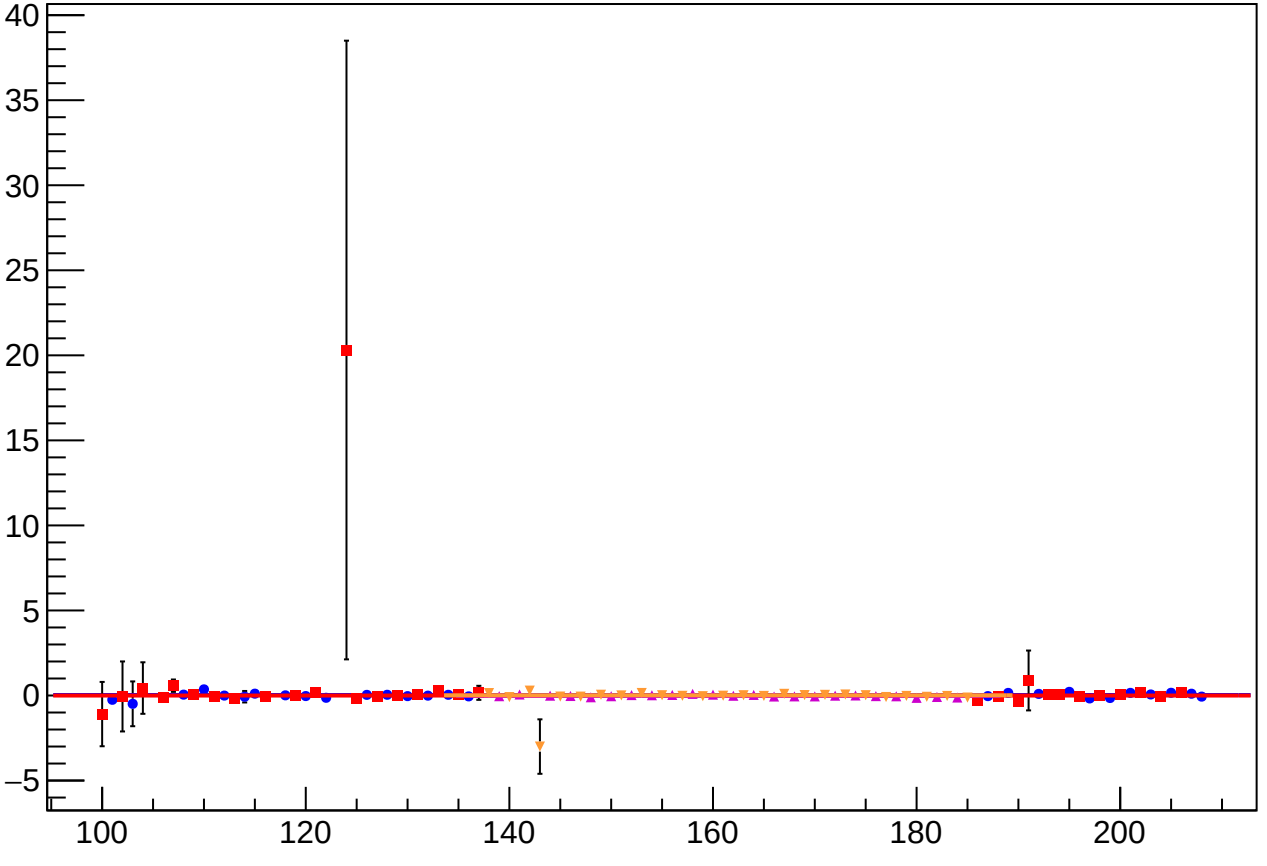
Right: 0.000+/-0.000 χ^2/NDF: 37779918.7/57

In: 0.001+/-0.000 χ^2/NDF:30337541.3/49

Out: 0.001+/-0.000 χ^2/NDF:32481672.0/55

All: 0.001+/-0.000 χ^2/NDF: 62819281.7/105

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

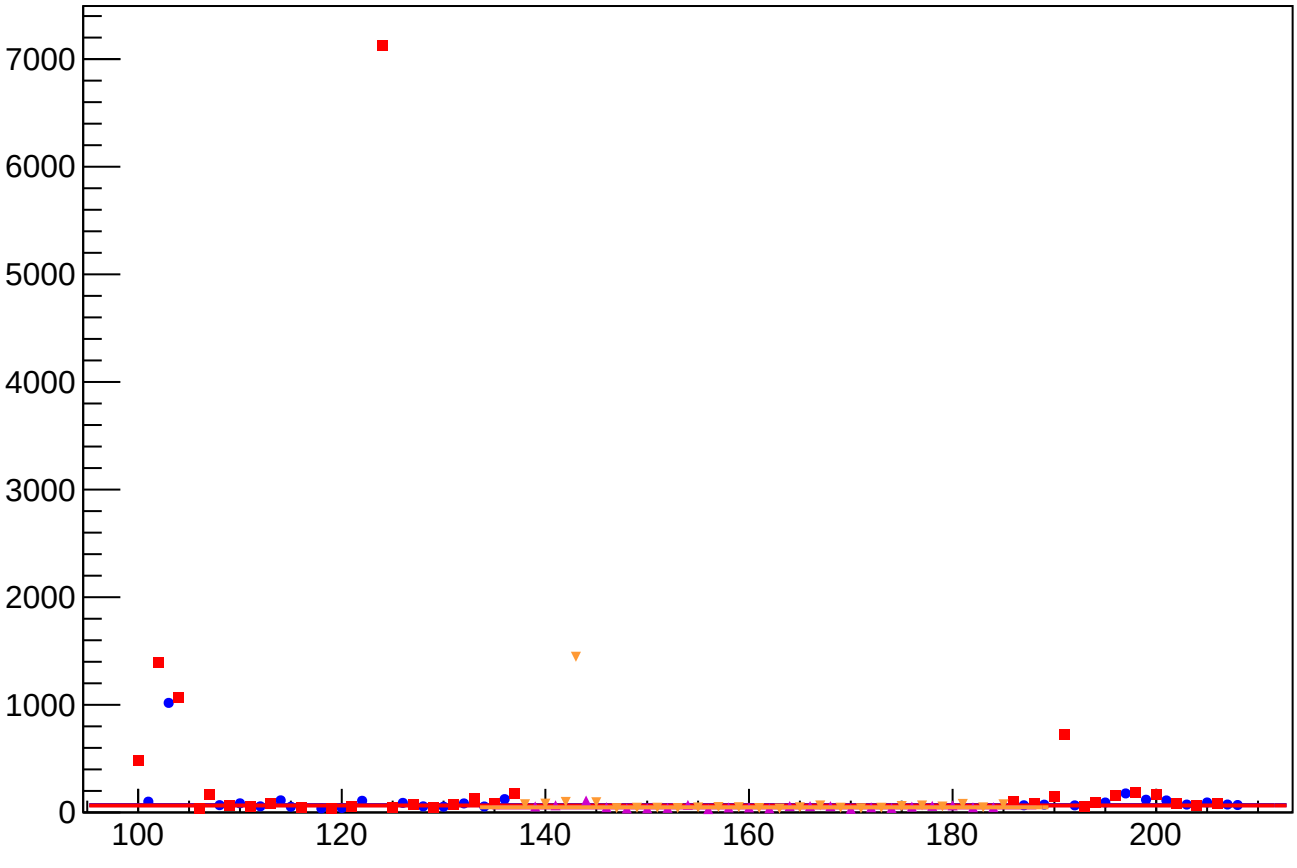
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.013+/-0.015 χ^2/NDF: 54.4/57

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.007 χ^2/NDF: 108.1/105



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

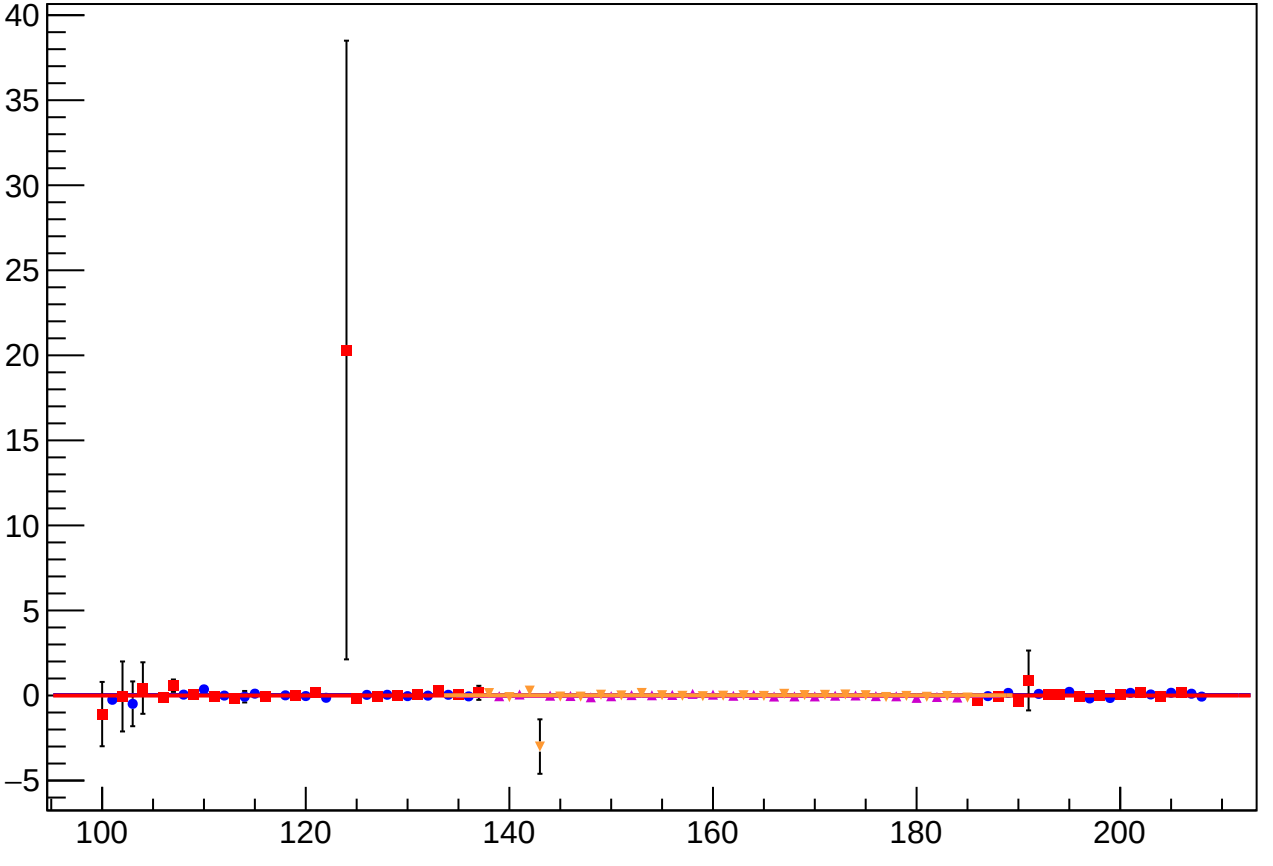
Right: 66.602+/-0.010 χ^2/NDF: 10138590.5/57

In: 52.451+/-0.007 χ^2/NDF:7465961.8/49

Out: 52.461+/-0.008 χ^2/NDF:10715388.9/55

All: 52.456+/-0.005 χ^2/NDF: 18181351.6/105

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.002+/-0.020 χ^2/NDF: 29.9/30

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

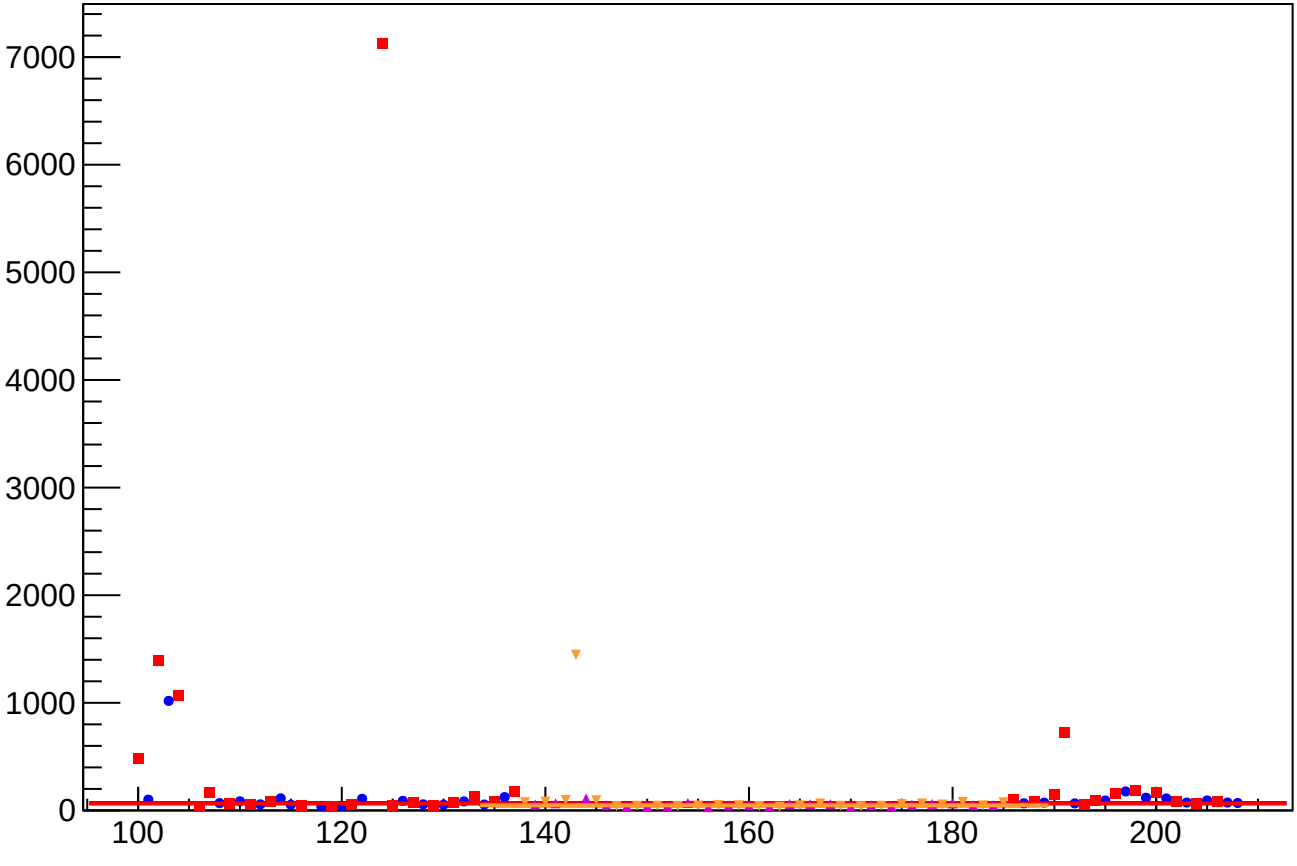
Right: 0.013+/-0.015 χ^2/NDF: 54.4/57

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.007 χ^2/NDF: 108.1/105

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

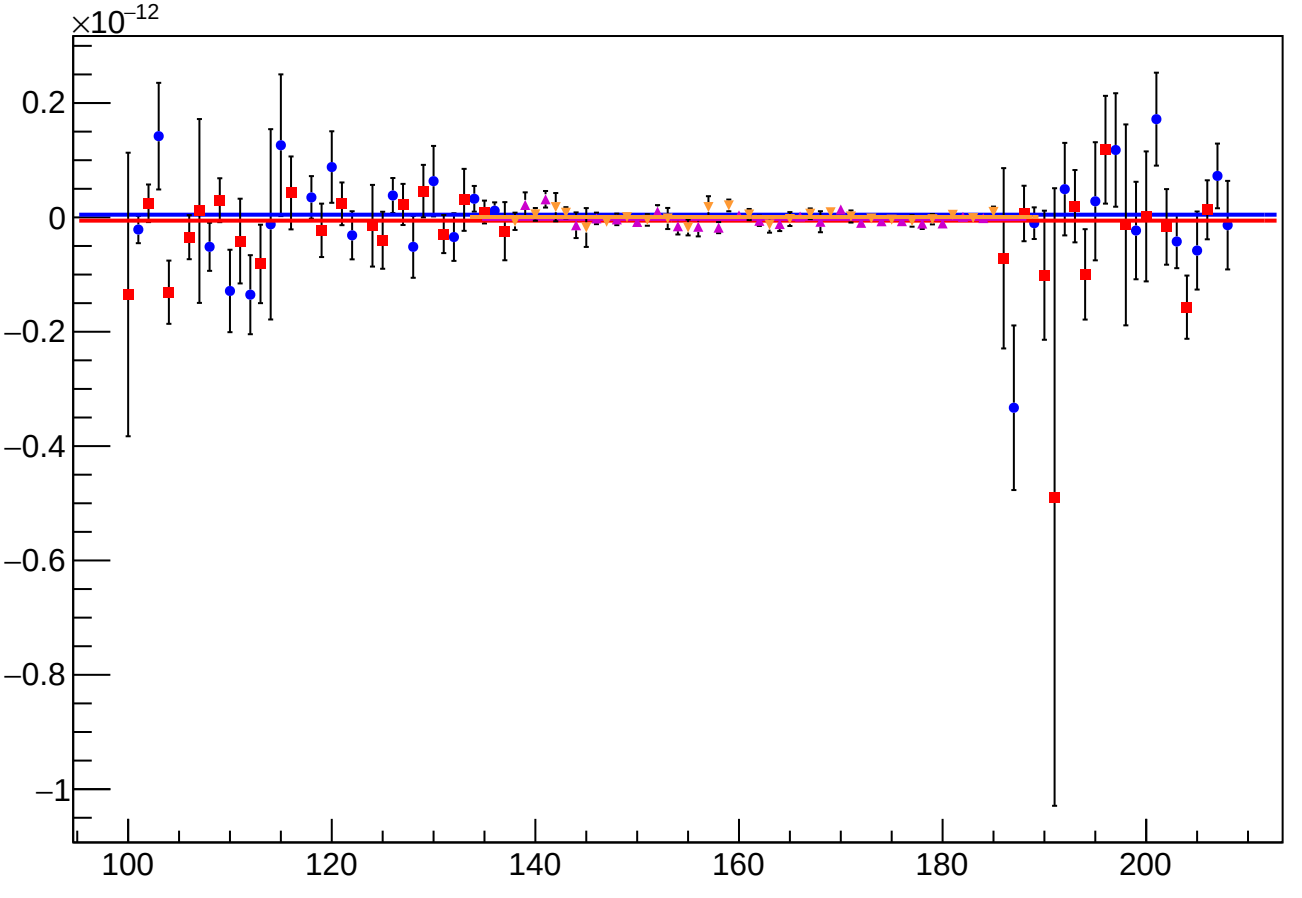
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.602+/-0.010 χ^2/NDF: 10138590.5/57

In: 52.451+/-0.007 χ^2/NDF:7465961.8/49

Out: 52.461+/-0.008 χ^2/NDF:10715388.9/55

All: 52.456+/-0.005 χ^2/NDF: 18181351.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

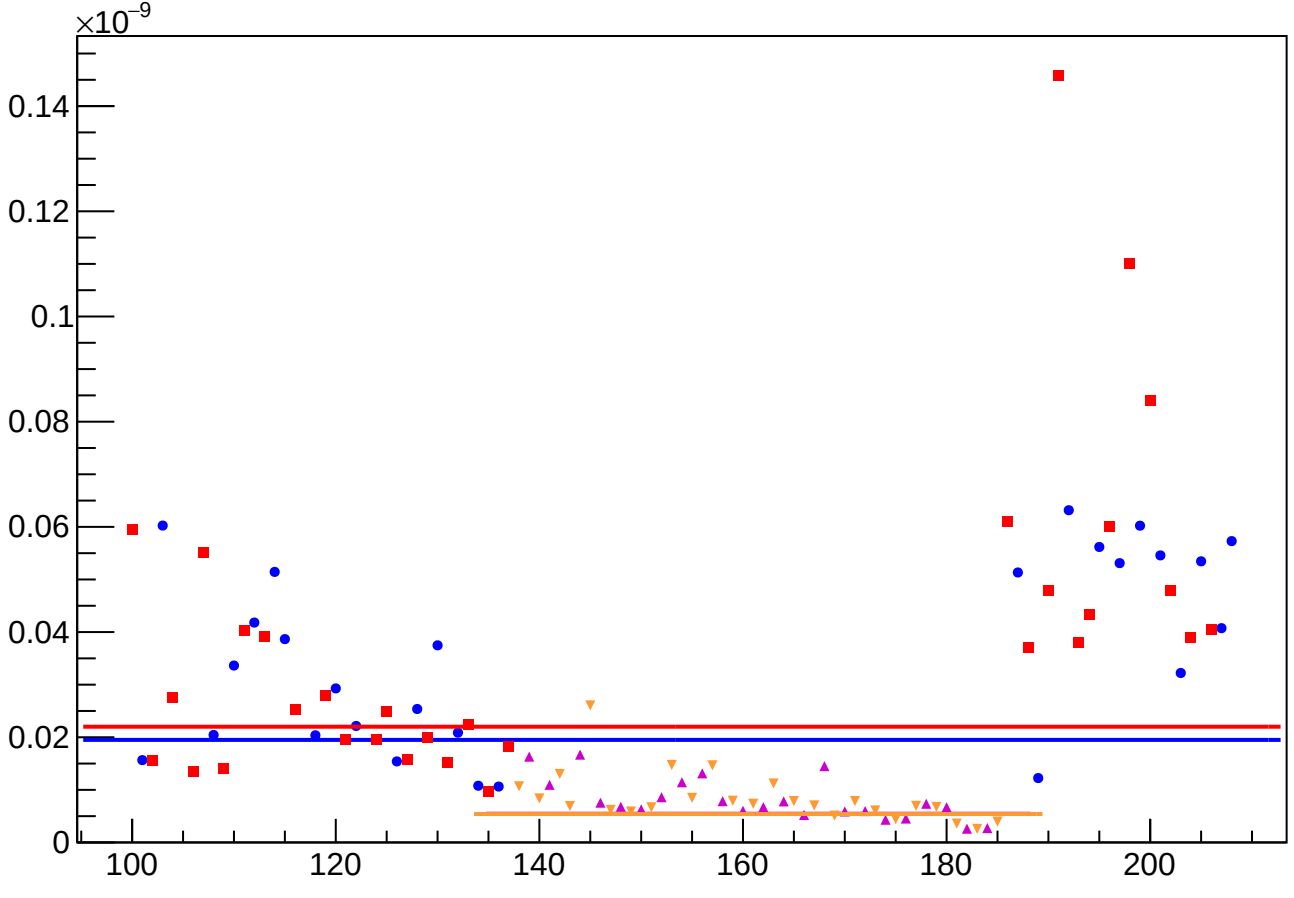
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 65.7/57

In: -0.000+/-0.000 χ^2/NDF:60.4/49

Out: 0.000+/-0.000 χ^2/NDF:42.8/55

All: -0.000+/-0.000 χ^2/NDF: 104.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 5697382.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4610117.0/30

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

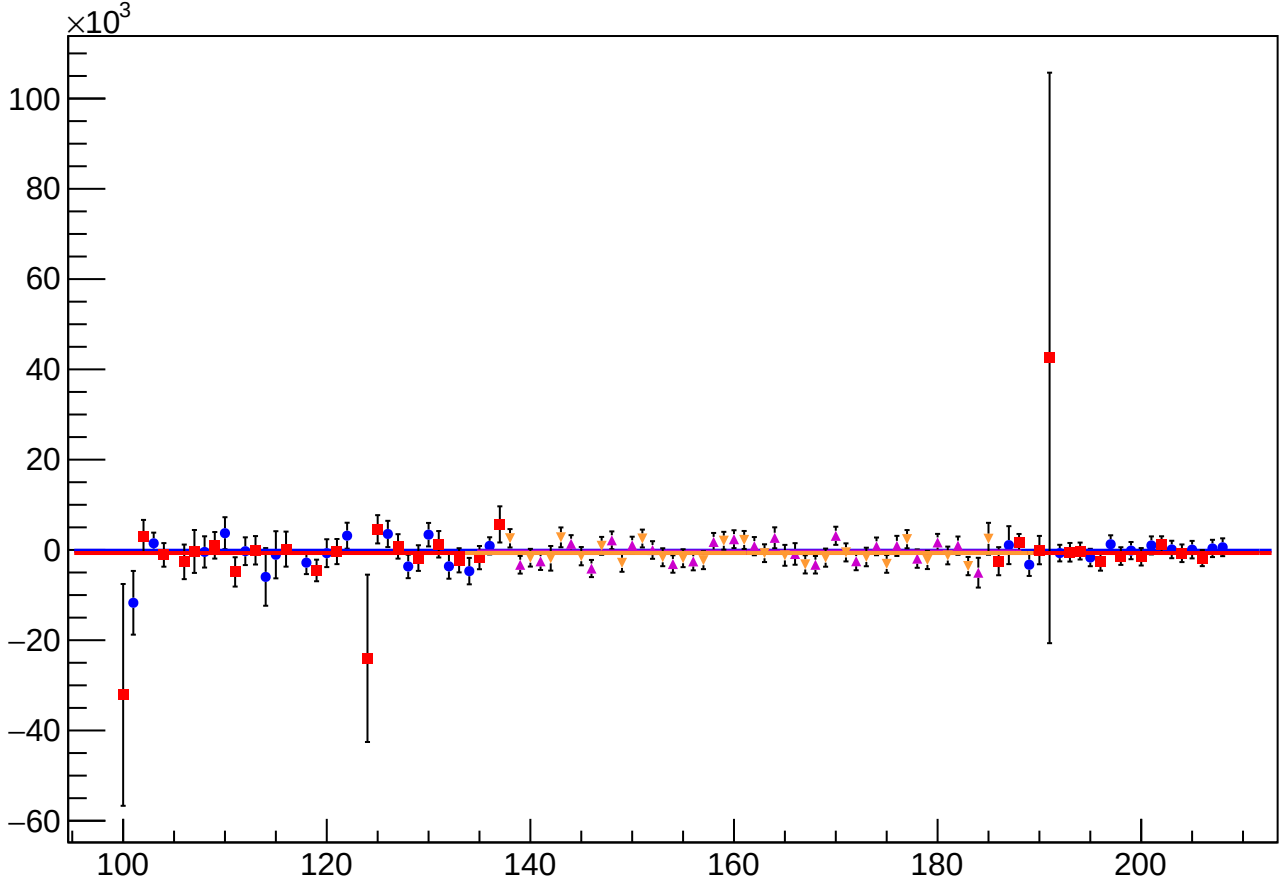
Right: 0.000+/-0.000 χ^2/NDF: 10397252.9/57

In: 0.000+/-0.000 χ^2/NDF:16794116.6/49

Out: 0.000+/-0.000 χ^2/NDF:16430771.9/55

All: 0.000+/-0.000 χ^2/NDF: 33233879.9/105

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -175.675+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -684.748+/-472.967 χ^2/NDF: 20.7/30

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

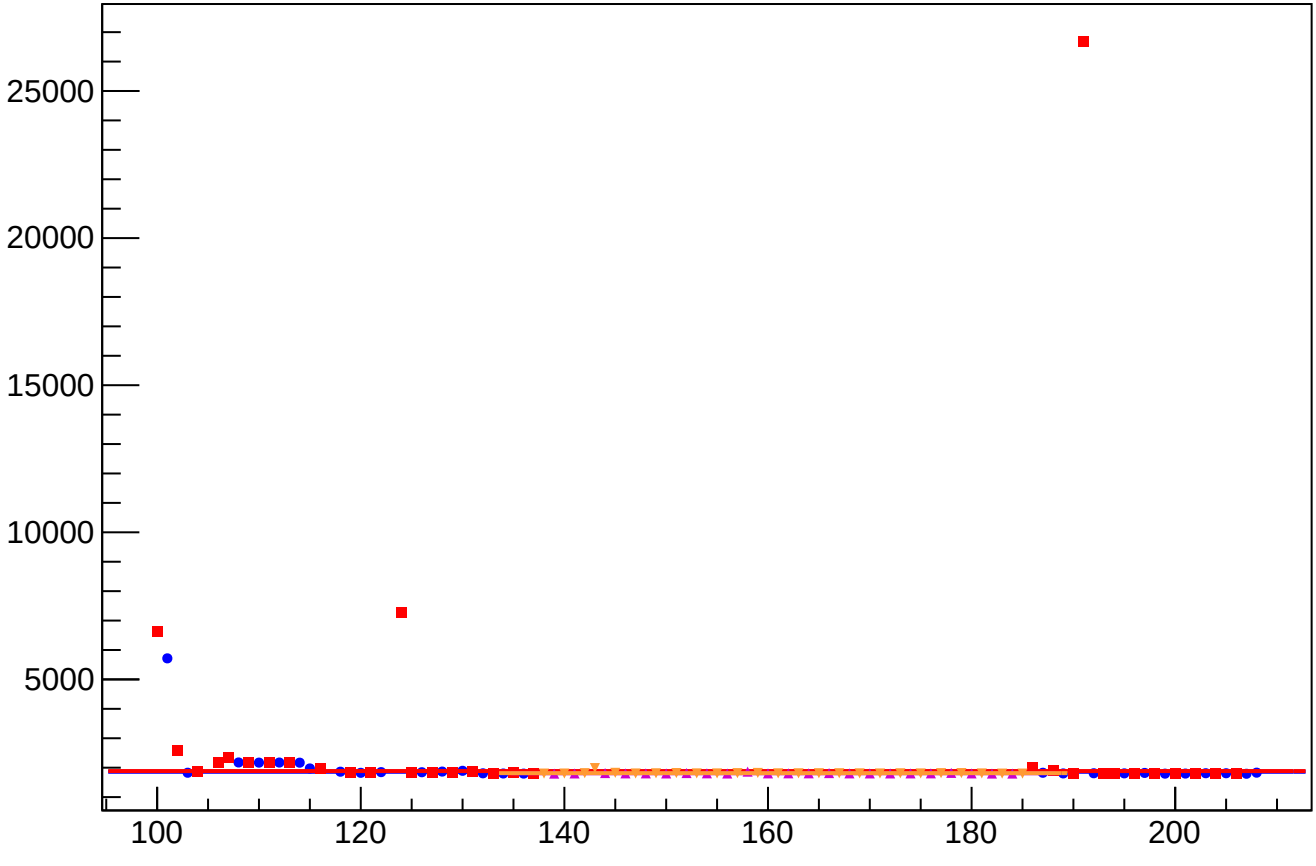
Right: -429.939+/-334.259 χ^2/NDF: 42.0/57

In: -268.577+/-315.027 χ^2/NDF:50.9/49

Out: -676.390+/-310.750 χ^2/NDF:45.5/55

All: -475.271+/-221.230 χ^2/NDF: 97.2/105

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.8/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1884.988+/-0.334 χ^2/NDF: 746973.0/30

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

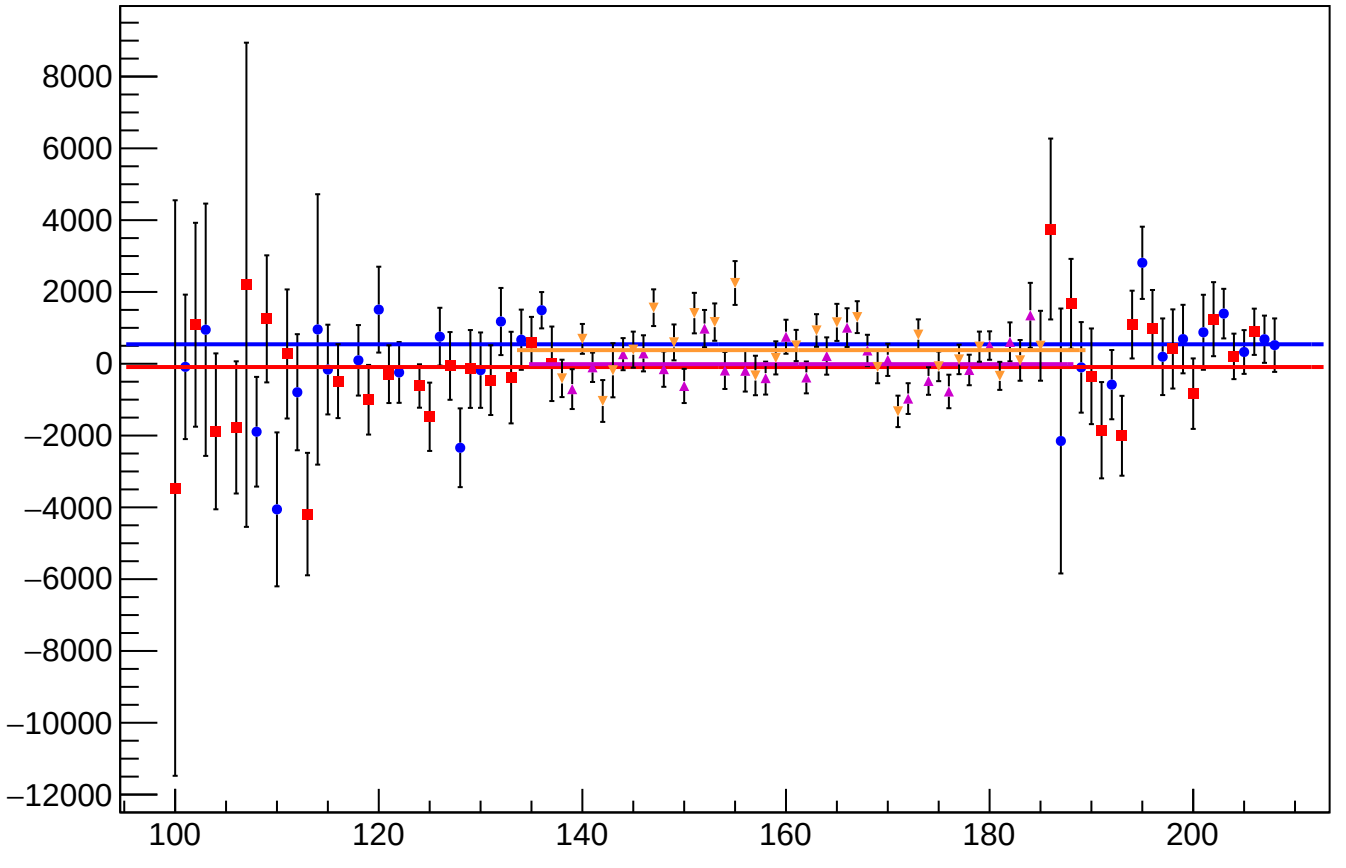
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1872.857+/-0.236 χ^2/NDF: 1424180.5/57

In: 1832.818+/-0.223 χ^2/NDF:689133.6/49

Out: 1844.891+/-0.220 χ^2/NDF:785367.9/55

All: 1838.937+/-0.156 χ^2/NDF: 1475990.3/10



Right In: 542.327+/-184.063 χ^2/NDF: 30.6/26

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -91.432+/-188.836 χ^2/NDF: 30.1/30

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

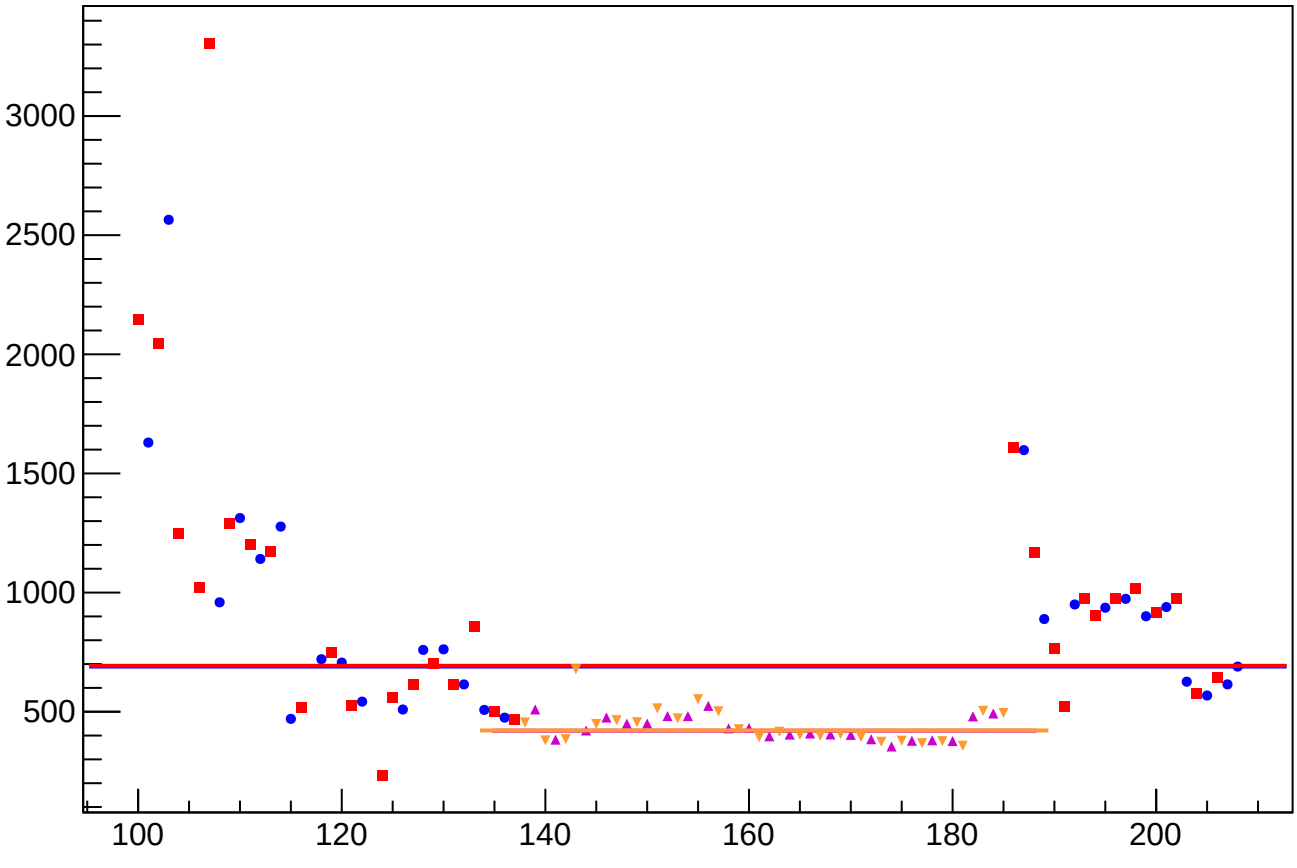
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 233.556+/-131.807 χ^2/NDF: 66.5/57

In: 112.700+/-87.172 χ^2/NDF:68.7/49

Out: 281.044+/-86.292 χ^2/NDF:97.3/55

All: 197.727+/-61.326 χ^2/NDF: 167.9/105



Right In: 689.645+/-0.130 χ^2/NDF: 3064632.8/26

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 692.712+/-0.134 χ^2/NDF: 4674859.5/30

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

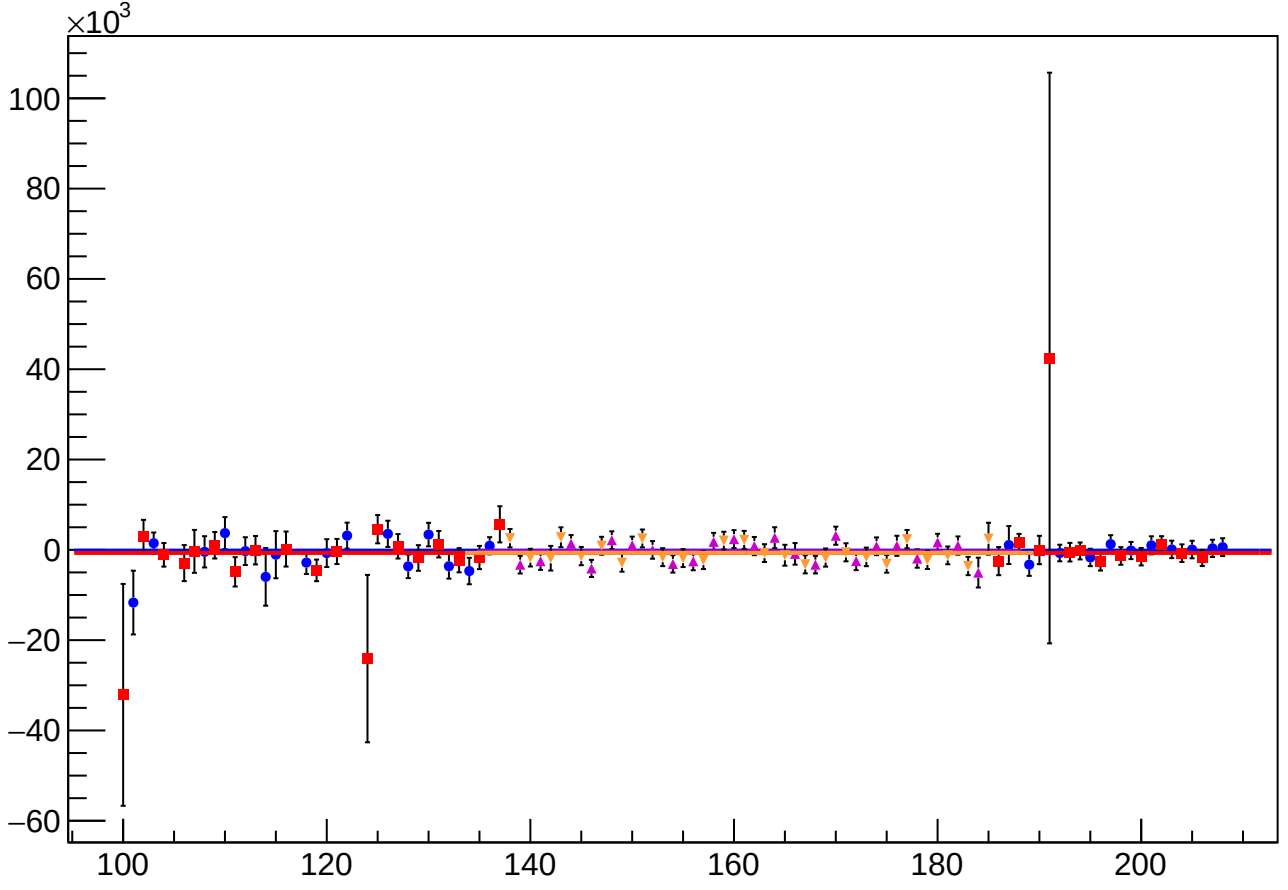
Right: 691.139+/-0.093 χ^2/NDF: 7739763.0/57

In: 480.653+/-0.062 χ^2/NDF:6801741.8/49

Out: 478.068+/-0.061 χ^2/NDF:8683974.2/55

All: 479.347+/-0.043 χ^2/NDF: 15486603.9/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -686.715+/-473.252 χ^2/NDF: 20.8/30

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

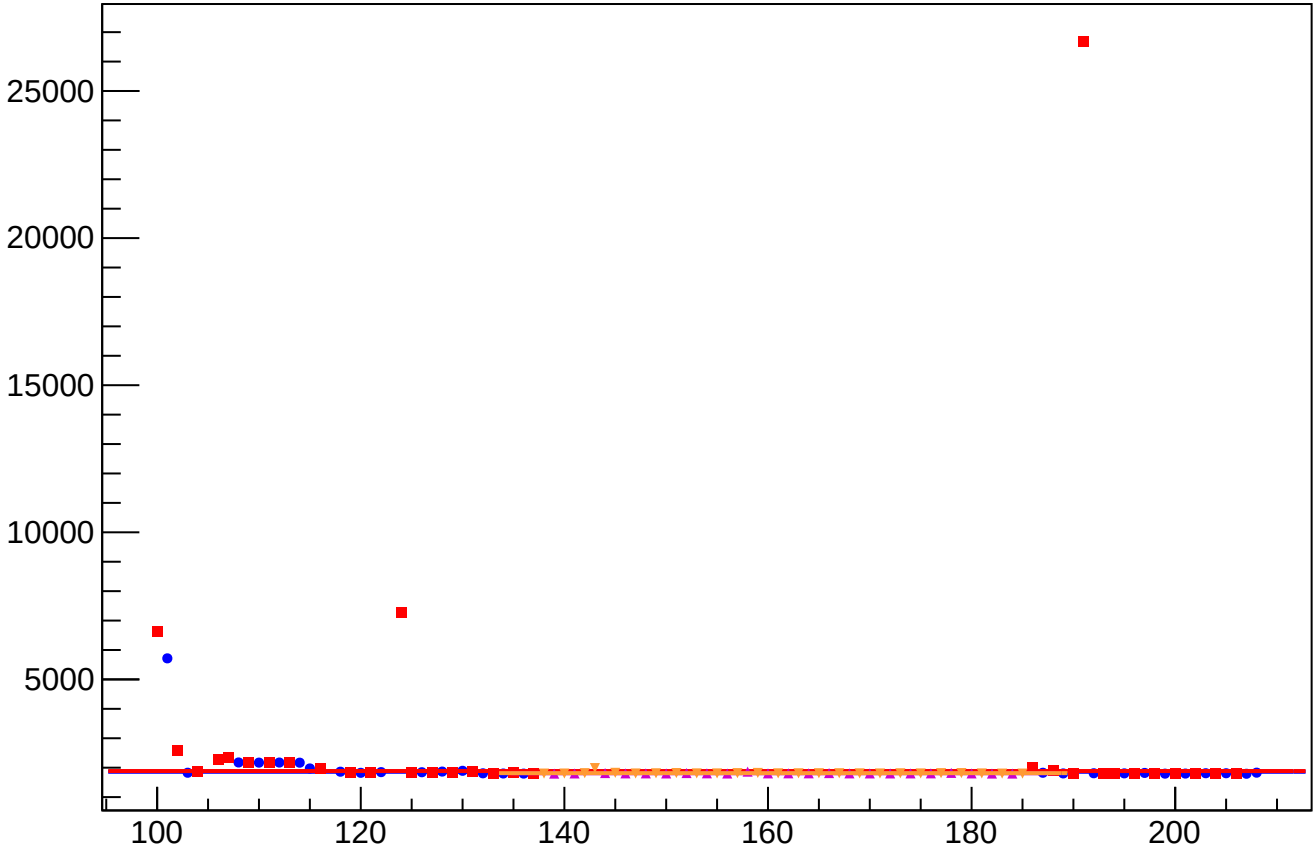
Right: -430.587+/-334.359 χ^2/NDF: 42.1/57

In: -268.442+/-315.027 χ^2/NDF:50.9/49

Out: -677.228+/-310.831 χ^2/NDF:45.5/55

All: -475.576+/-221.259 χ^2/NDF: 97.2/105

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

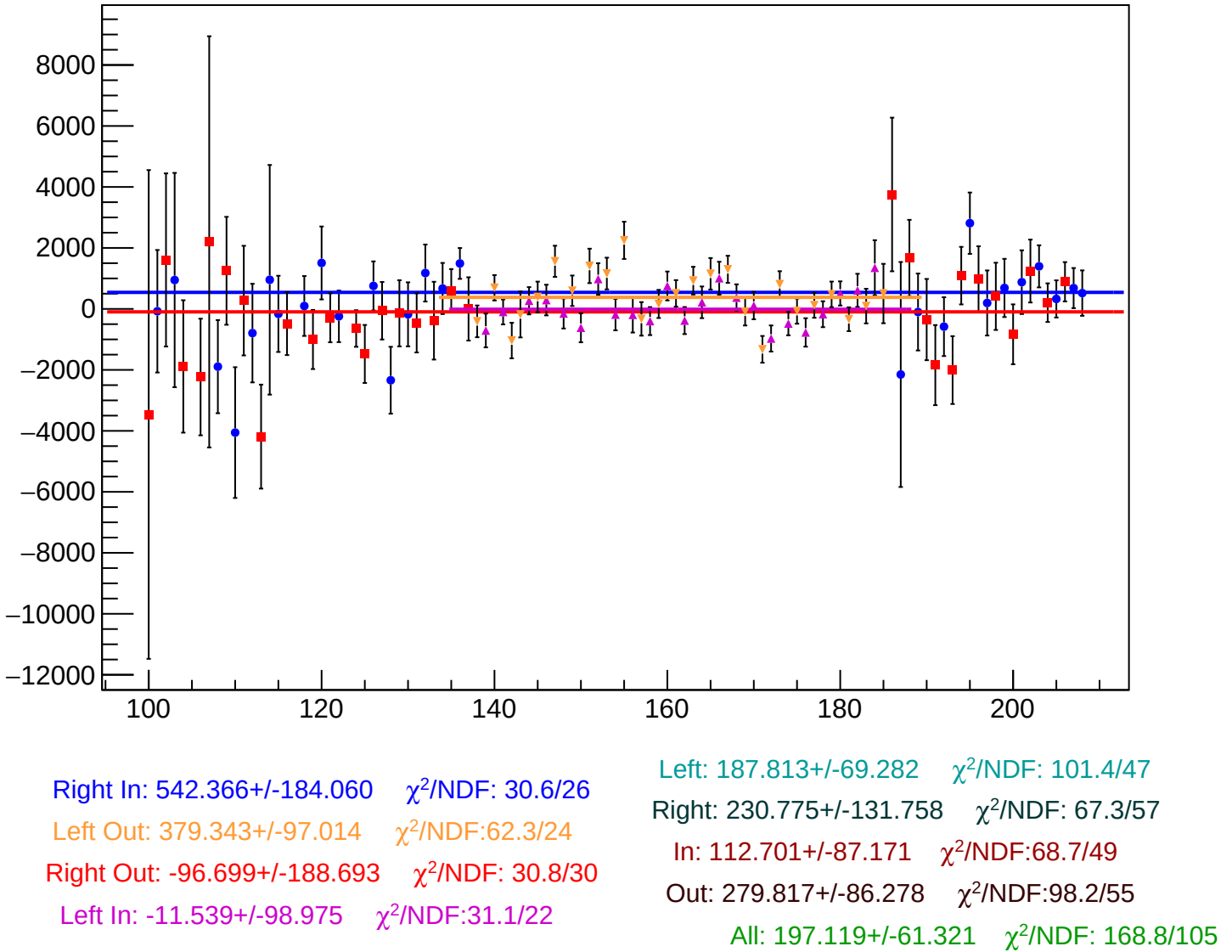
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

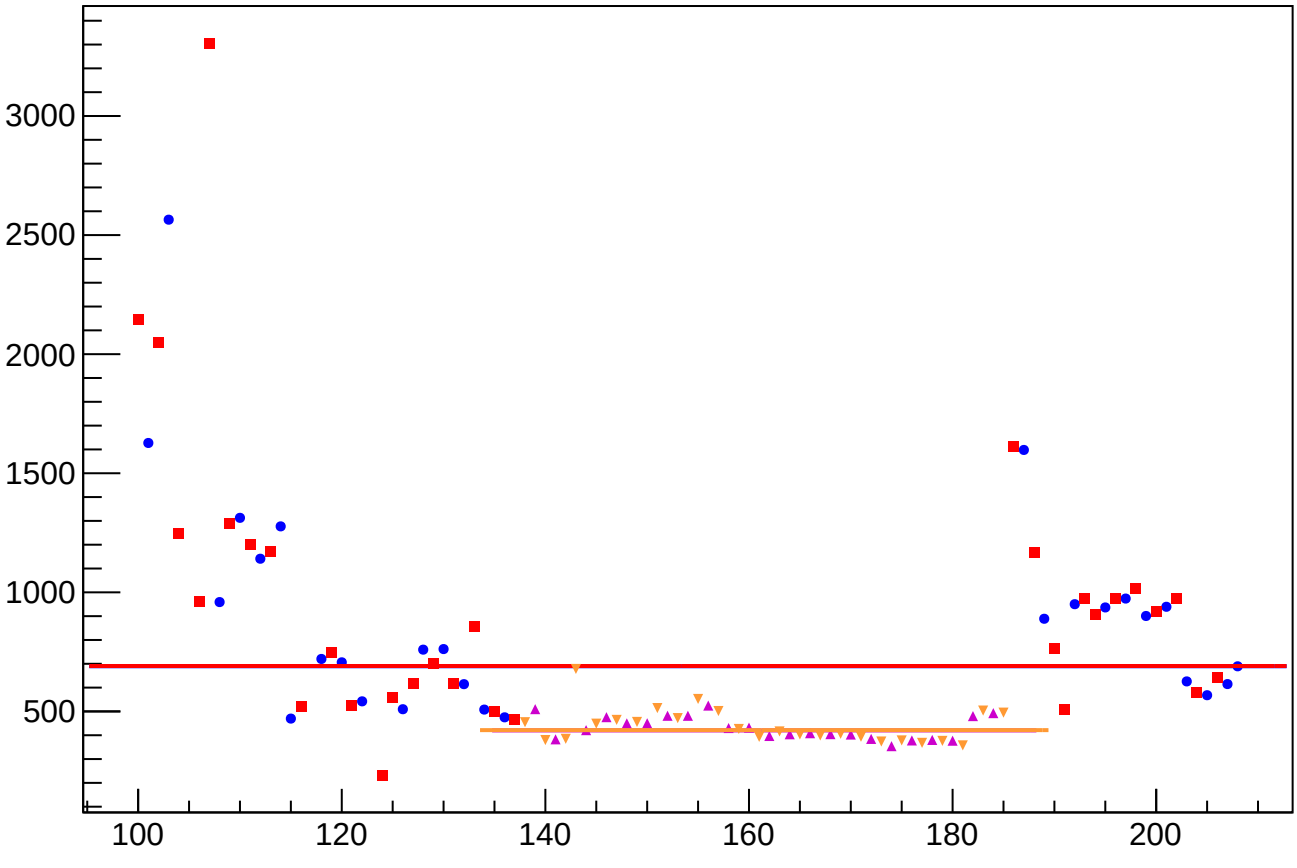
Right: 1873.243+/-0.236 χ^2/NDF: 1430422.1/57

In: 1832.818+/-0.223 χ^2/NDF:689133.5/49

Out: 1845.210+/-0.220 χ^2/NDF:791987.7/55

All: 1839.097+/-0.156 χ^2/NDF: 1482689.3/10


asym_at1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 542.366+/-184.060 χ²/NDF: 30.6/26
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -96.699+/-188.693 χ²/NDF: 30.8/30
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 230.775+/-131.758 χ²/NDF: 67.3/57
In: 112.701+/-87.171 χ²/NDF:68.7/49
Out: 279.817+/-86.278 χ²/NDF:98.2/55
All: 197.119+/-61.321 χ²/NDF: 168.8/105



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

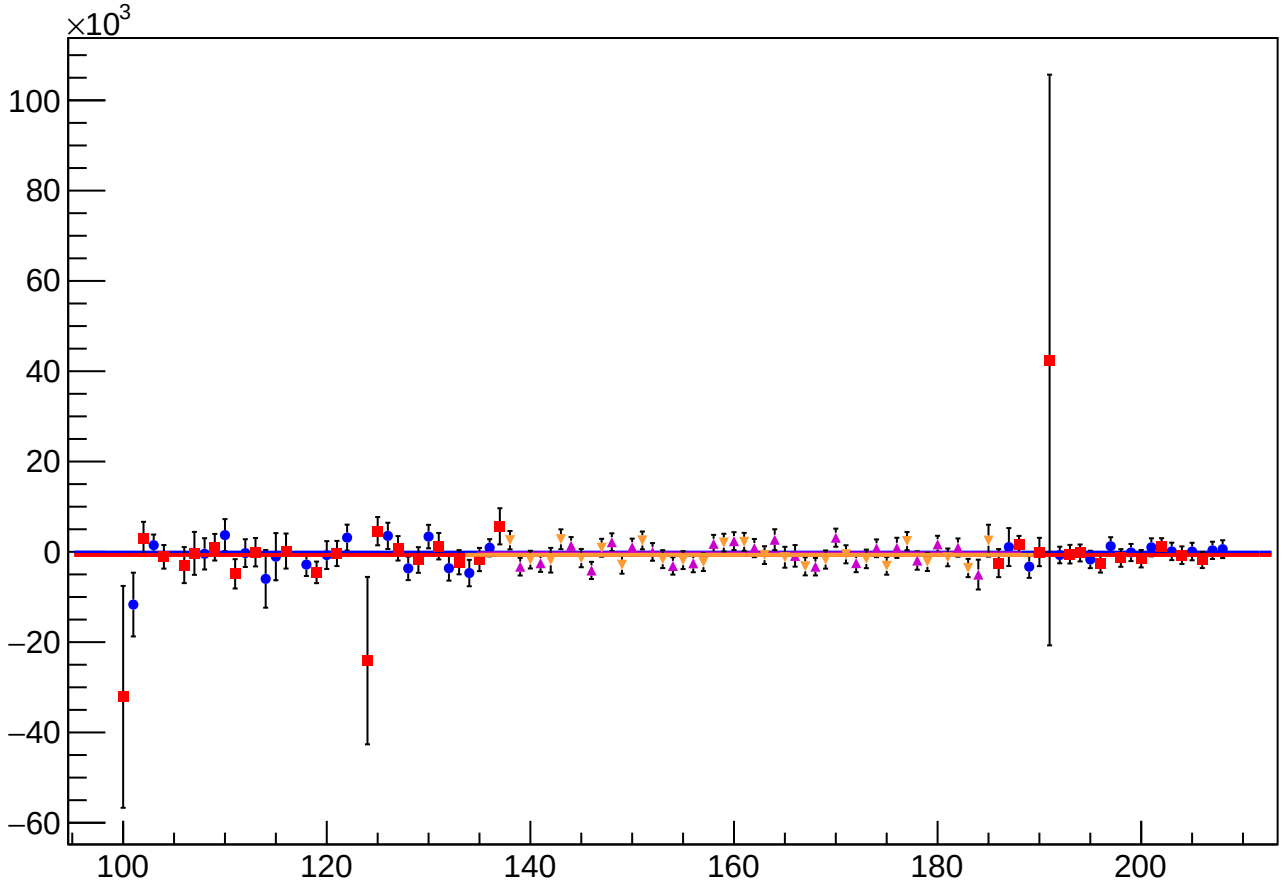
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 690.138+/-0.093 χ^2/NDF: 7749048.2/57

In: 480.650+/-0.062 χ^2/NDF:6801141.1/49

Out: 477.709+/-0.061 χ^2/NDF:8648710.2/55

All: 479.165+/-0.043 χ^2/NDF: 15451001.3/10



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -686.715+/-473.252 χ^2/NDF: 20.8/30

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

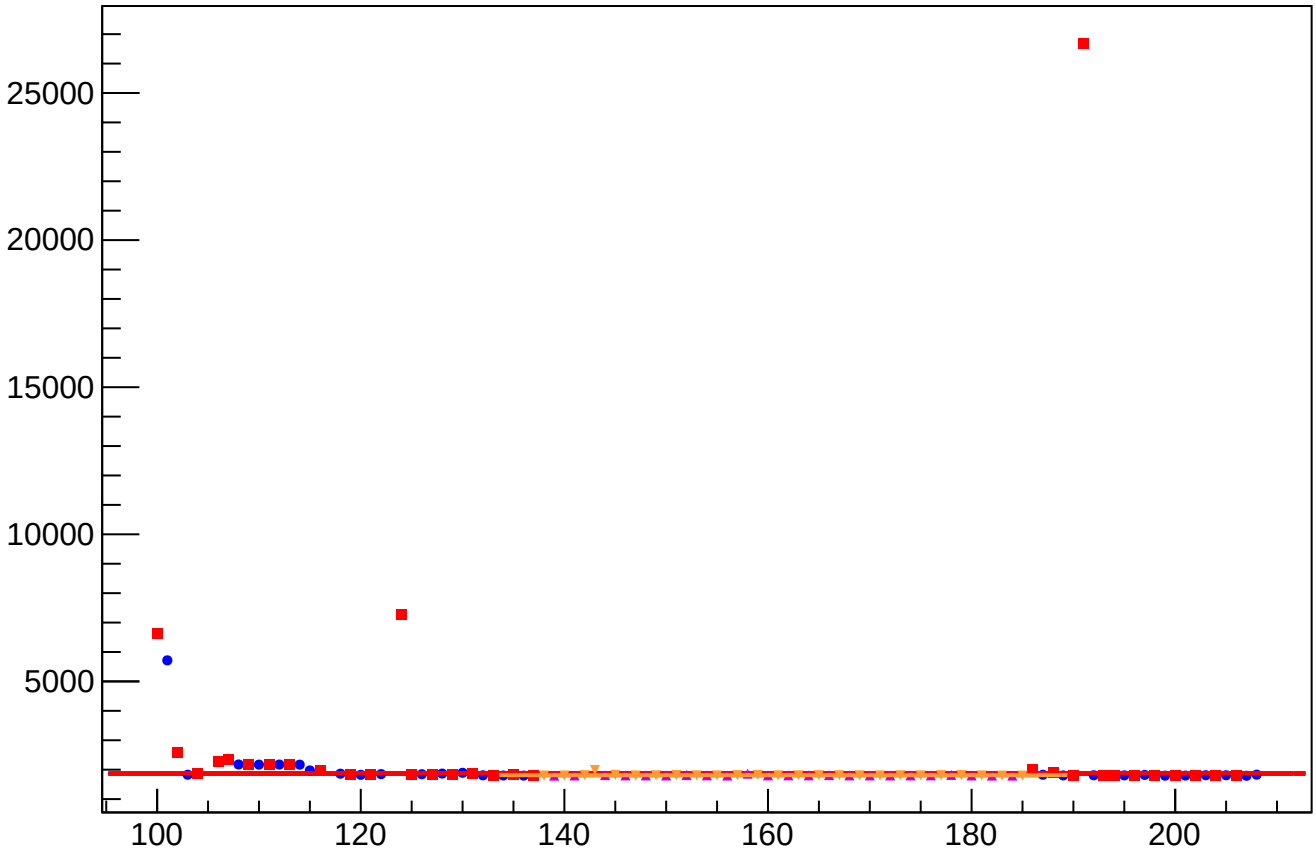
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -430.587+/-334.359 χ^2/NDF: 42.1/57

In: -268.442+/-315.027 χ^2/NDF:50.9/49

Out: -677.228+/-310.831 χ^2/NDF:45.5/55

All: -475.576+/-221.259 χ^2/NDF: 97.2/105



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

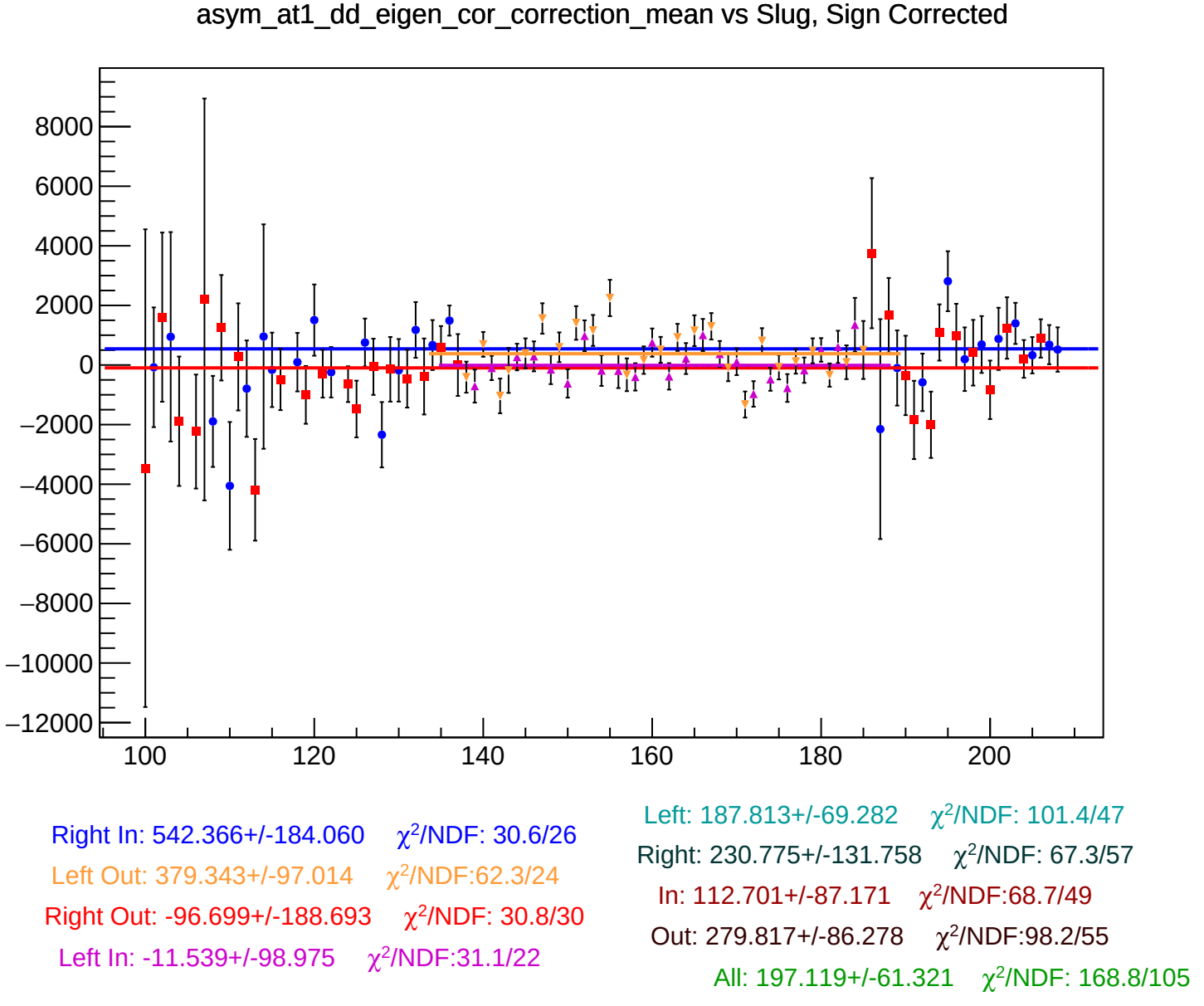
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

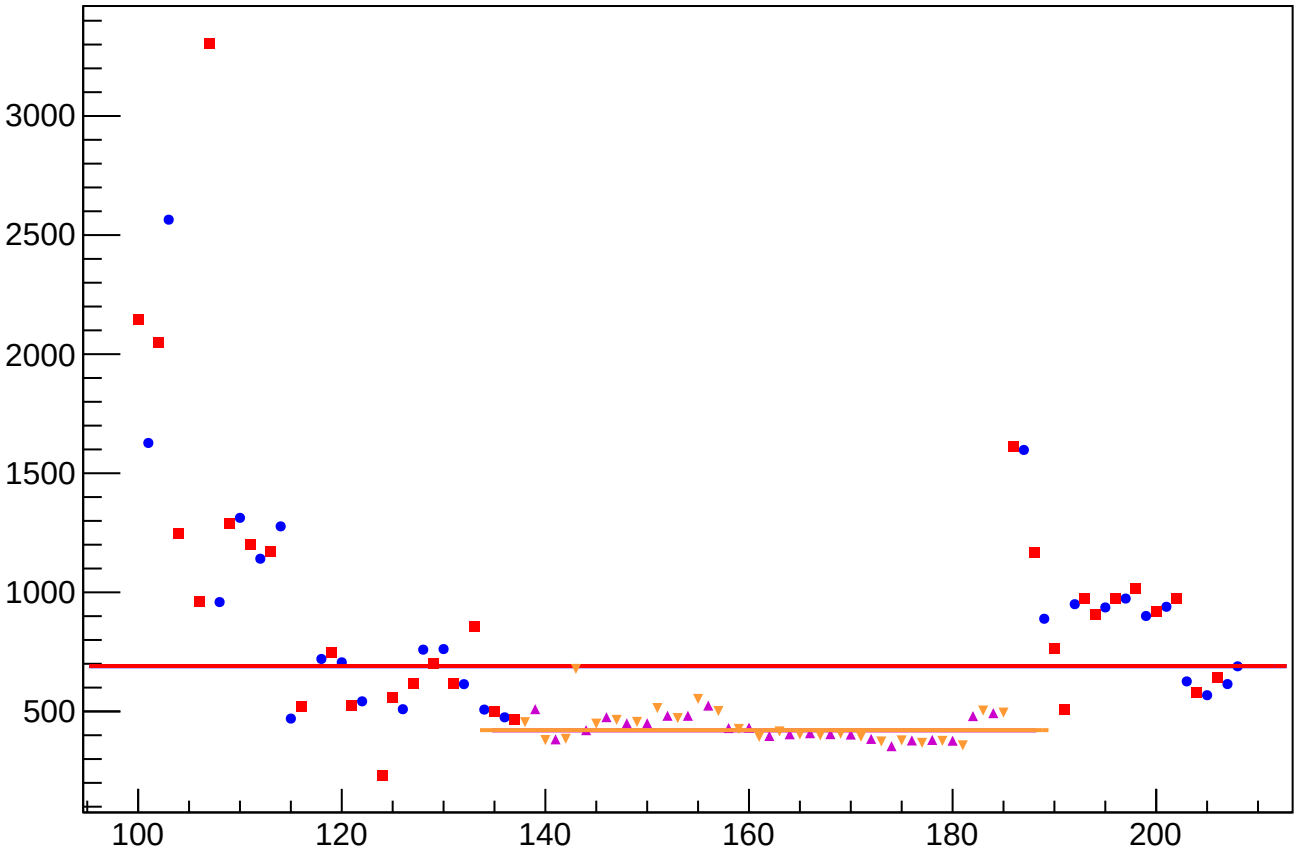
Right: 1873.243+/-0.236 χ^2/NDF: 1430422.1/57

In: 1832.818+/-0.223 χ^2/NDF:689133.5/49

Out: 1845.210+/-0.220 χ^2/NDF:791987.7/55

All: 1839.097+/-0.156 χ^2/NDF: 1482689.3/10


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 542.366+/-184.060 χ²/NDF: 30.6/26
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -96.699+/-188.693 χ²/NDF: 30.8/30
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 230.775+/-131.758 χ²/NDF: 67.3/57
In: 112.701+/-87.171 χ²/NDF:68.7/49
Out: 279.817+/-86.278 χ²/NDF:98.2/55
All: 197.119+/-61.321 χ²/NDF: 168.8/105



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

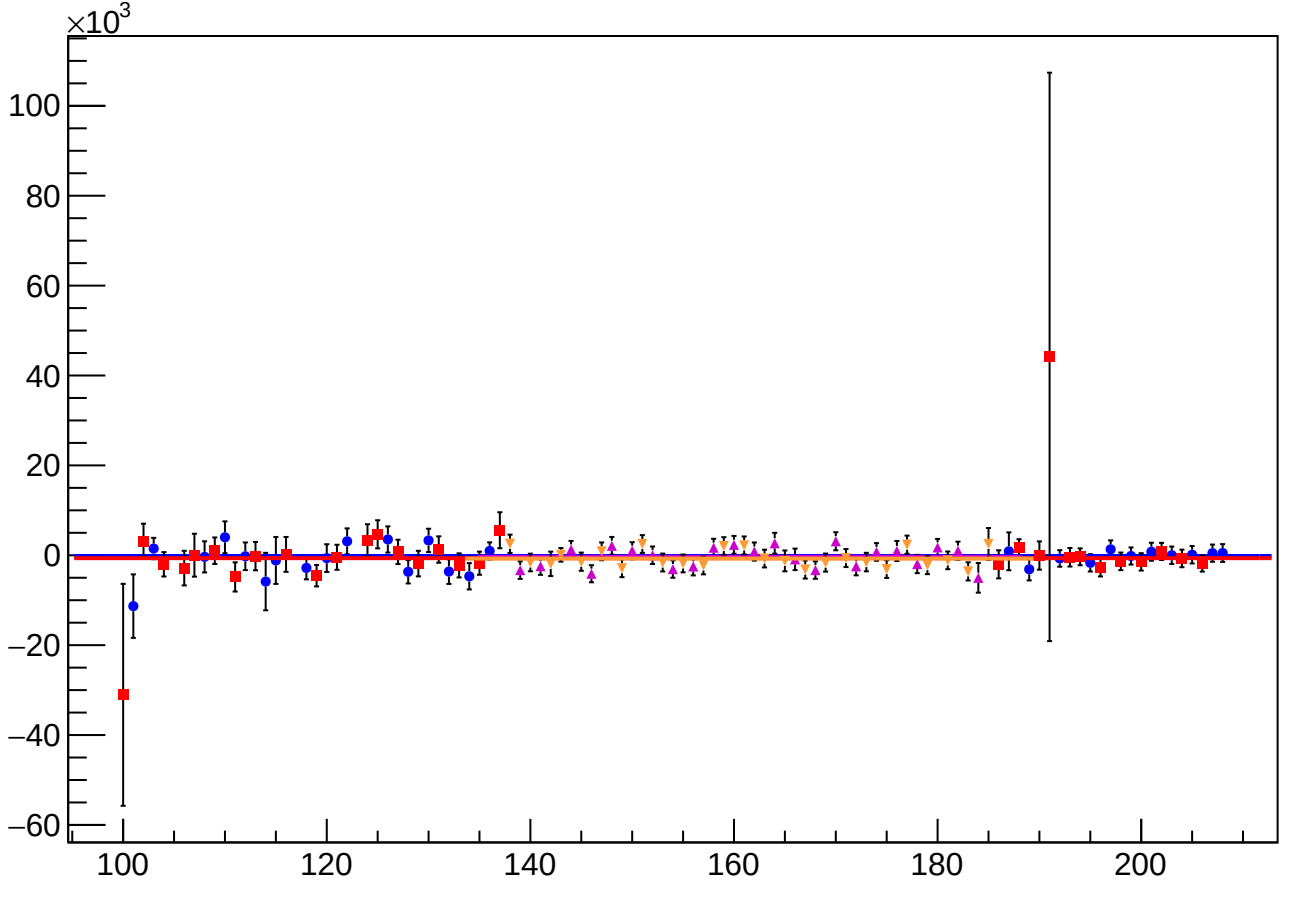
Right: 690.138+/-0.093 χ^2/NDF: 7749048.2/57

In: 480.650+/-0.062 χ^2/NDF:6801141.1/49

Out: 477.709+/-0.061 χ^2/NDF:8648710.2/55

All: 479.165+/-0.043 χ^2/NDF: 15451001.3/10

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -166.270+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -642.976+/-470.567 χ^2/NDF: 20.2/30

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

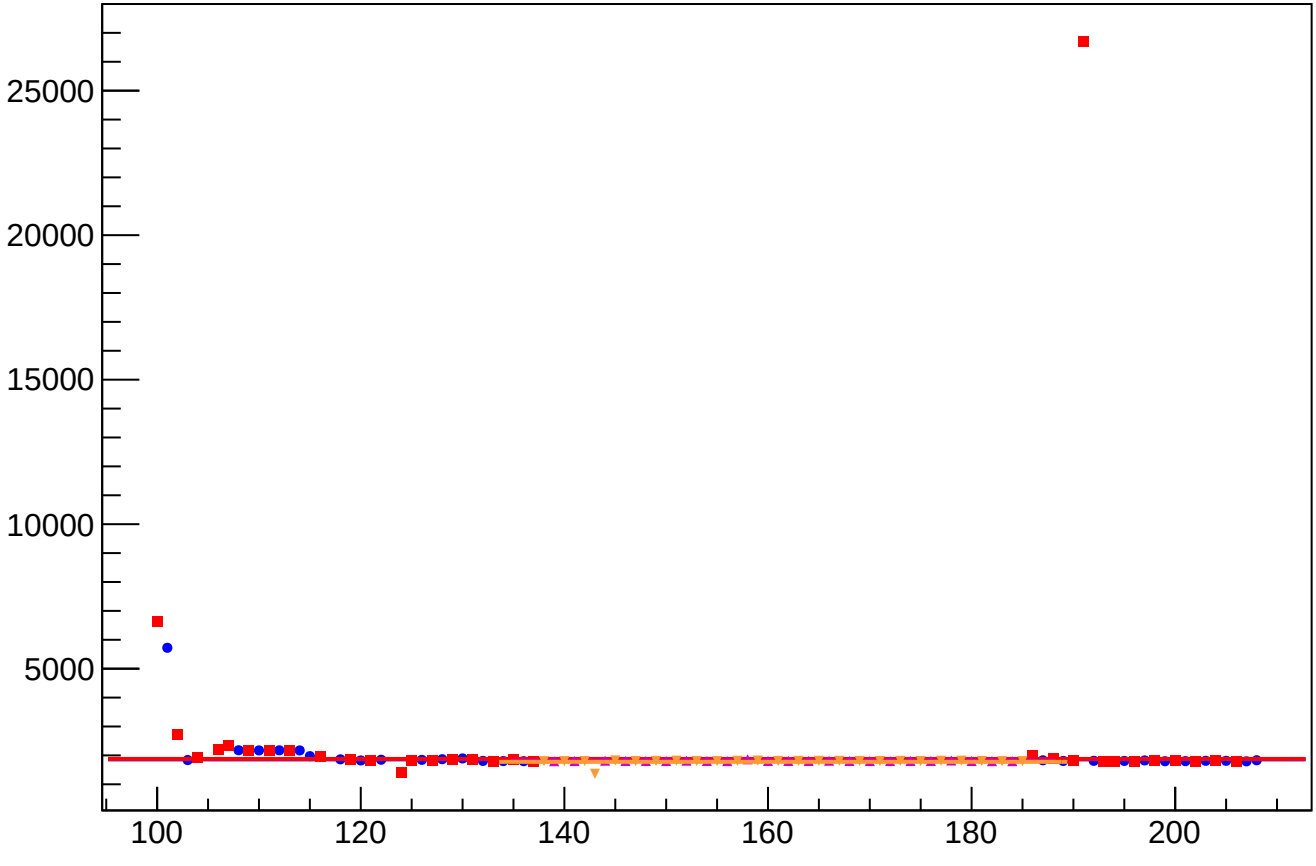
Right: -405.837+/-333.588 χ^2/NDF: 41.1/57

In: -263.503+/-315.239 χ^2/NDF:50.0/49

Out: -689.882+/-306.711 χ^2/NDF:42.4/55

All: -482.538+/-219.831 χ^2/NDF: 93.4/105

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630047.0/30

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

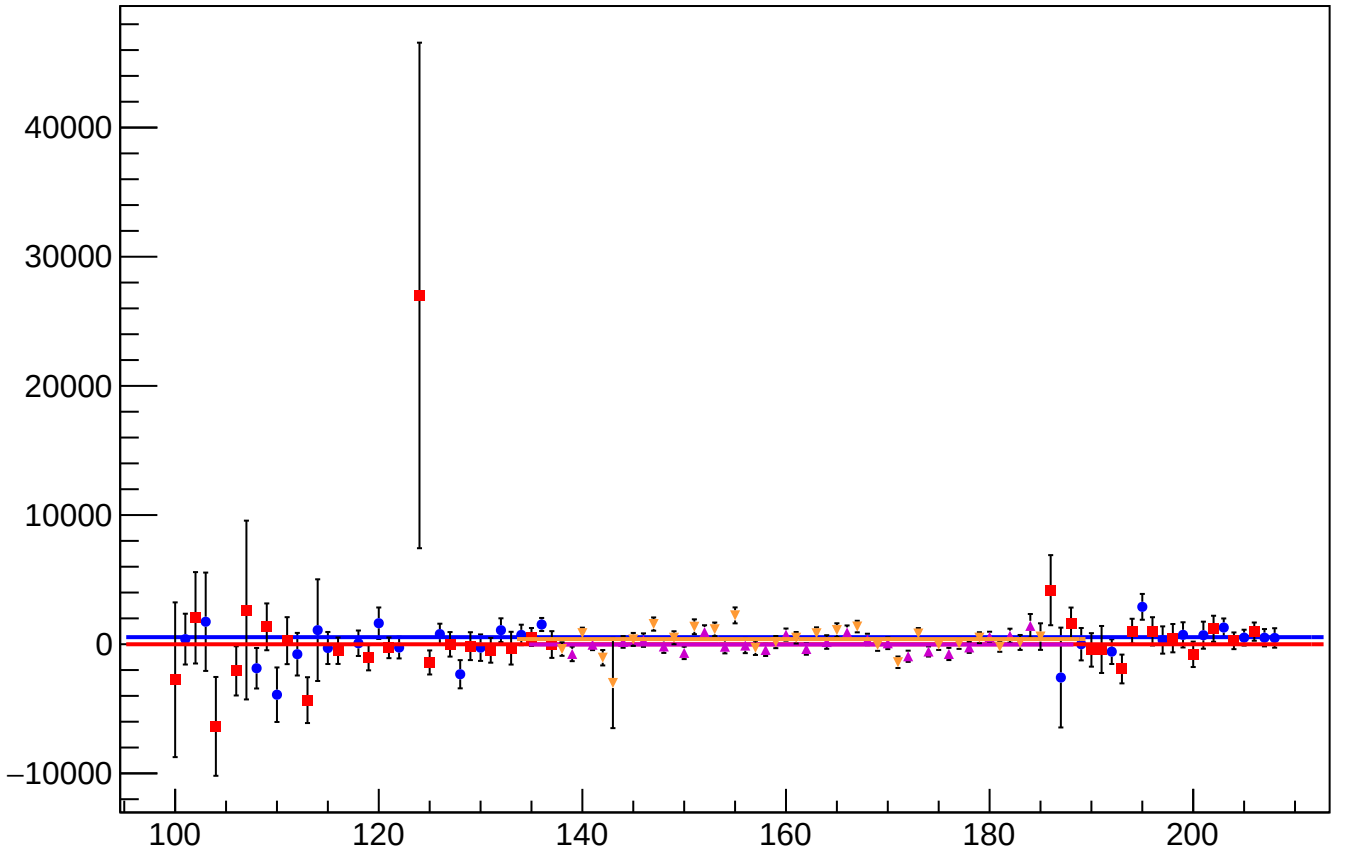
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1869.900+/-0.236 χ^2/NDF: 1305288.0/57

In: 1833.989+/-0.223 χ^2/NDF:689479.5/49

Out: 1819.357+/-0.217 χ^2/NDF:843667.4/55

All: 1826.472+/-0.155 χ^2/NDF: 1535360.2/10



Right In: 546.053+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -4.421+/-202.258 χ^2/NDF: 31.2/30

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

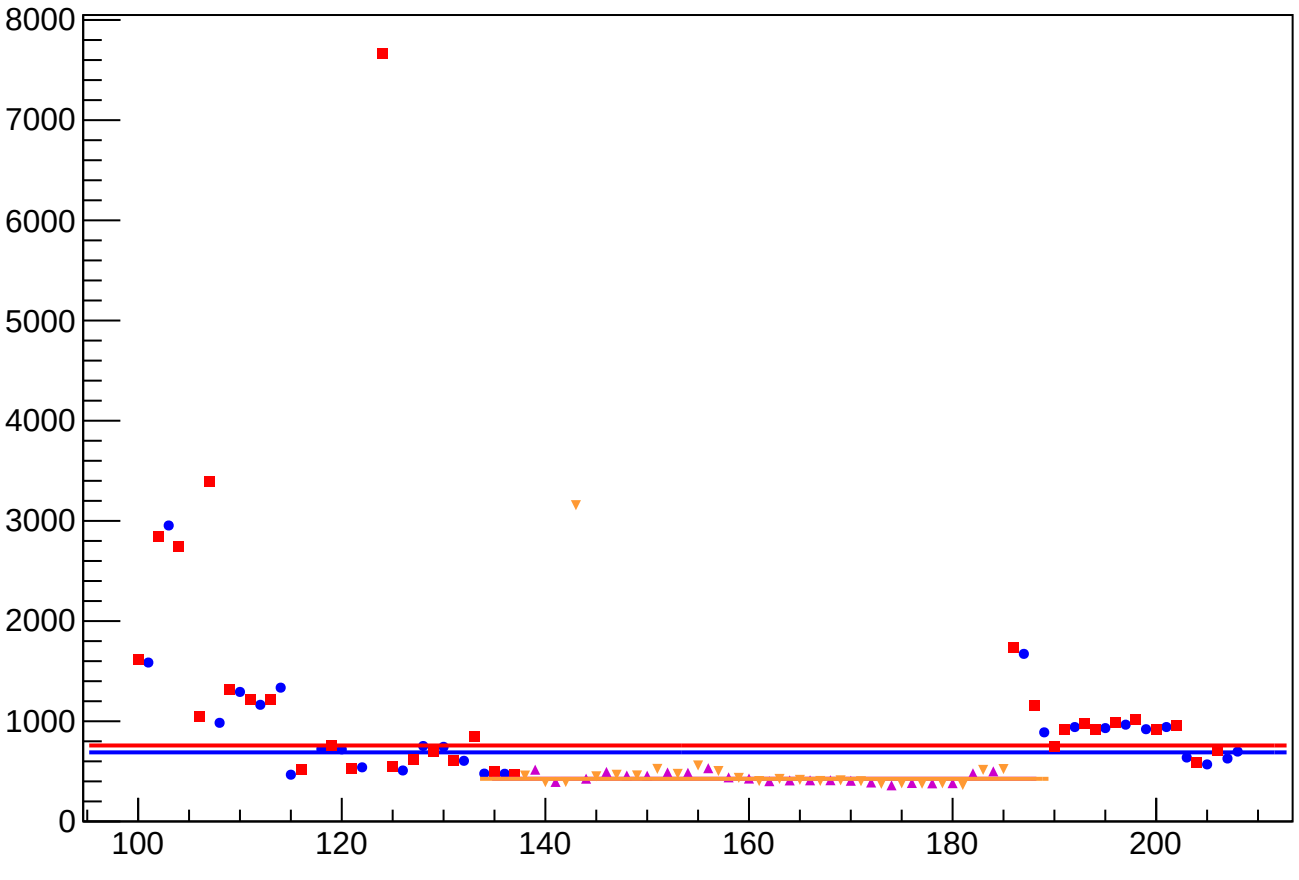
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 296.596+/-136.156 χ^2/NDF: 65.9/57

In: 108.343+/-88.055 χ^2/NDF:68.9/49

Out: 320.229+/-89.039 χ^2/NDF:94.9/55

All: 213.109+/-62.609 χ^2/NDF: 166.6/105



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326552.7/30

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

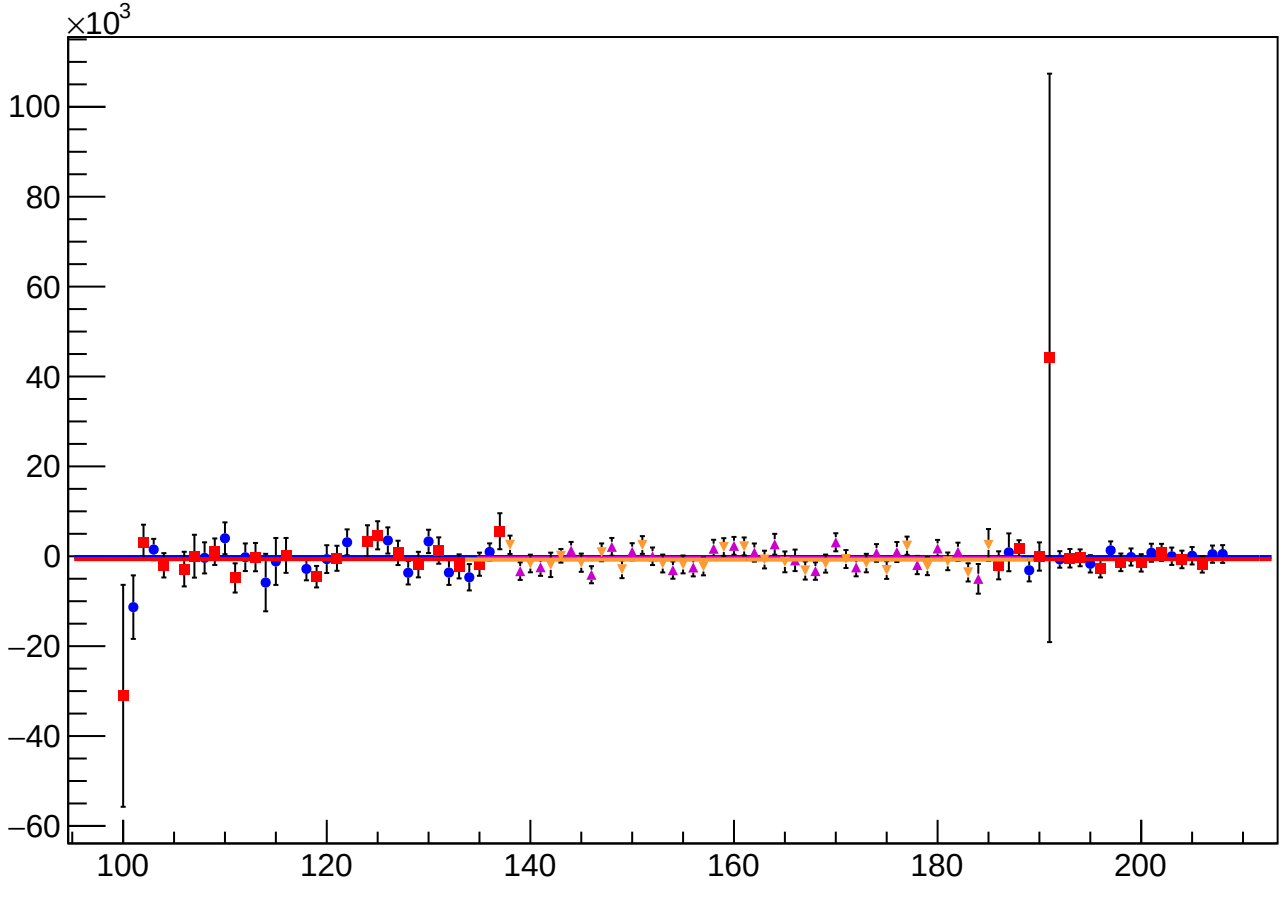
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 720.731+/-0.096 χ^2/NDF: 7698704.7/57

In: 486.388+/-0.062 χ^2/NDF:6818005.3/49

Out: 490.166+/-0.063 χ^2/NDF:10406512.9/55

All: 488.256+/-0.044 χ^2/NDF: 17226337.7/10



Right In: -166.271+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -642.975+/-470.567 χ^2/NDF: 20.2/30

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

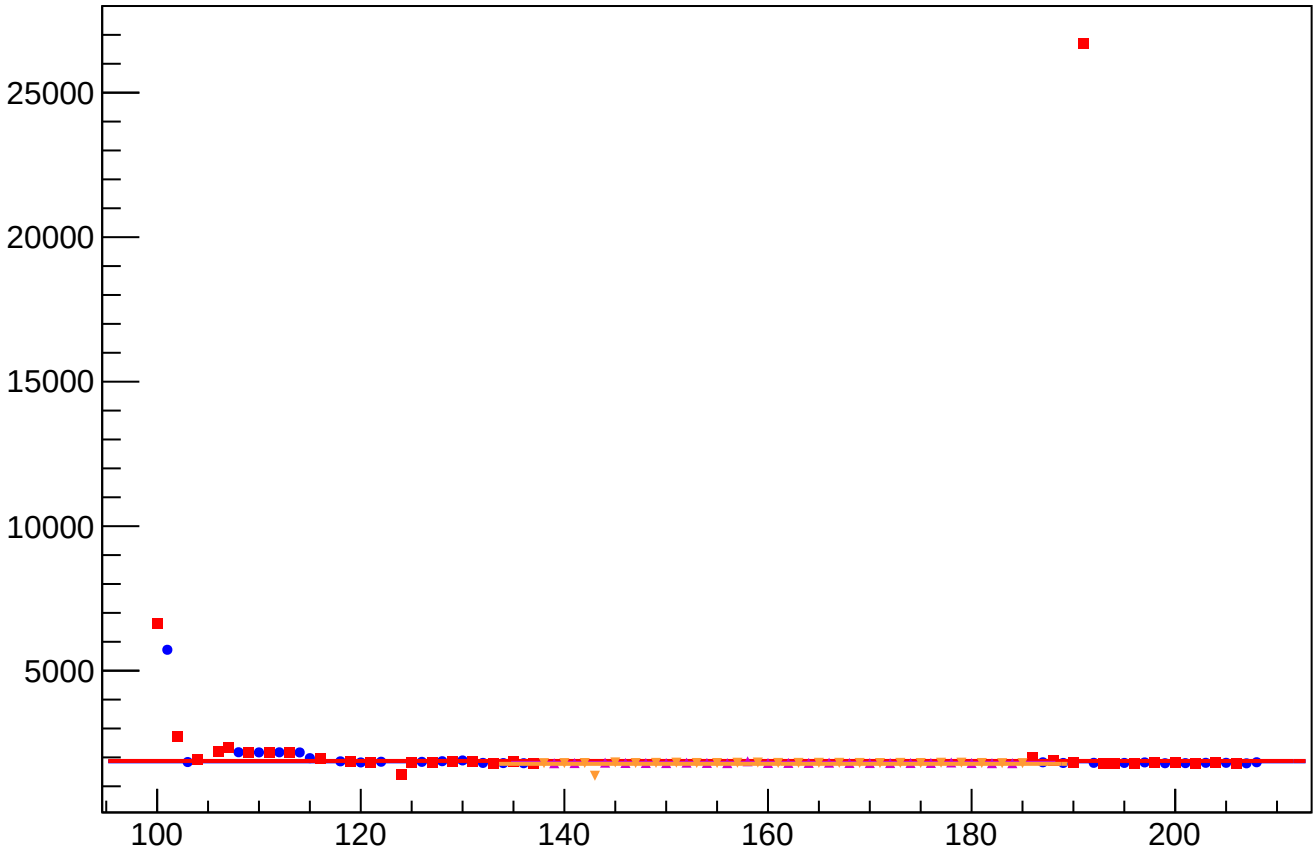
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -405.838+/-333.588 χ^2/NDF: 41.1/57

In: -263.503+/-315.239 χ^2/NDF:50.0/49

Out: -689.882+/-306.711 χ^2/NDF:42.4/55

All: -482.539+/-219.831 χ^2/NDF: 93.4/105



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630046.8/30

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

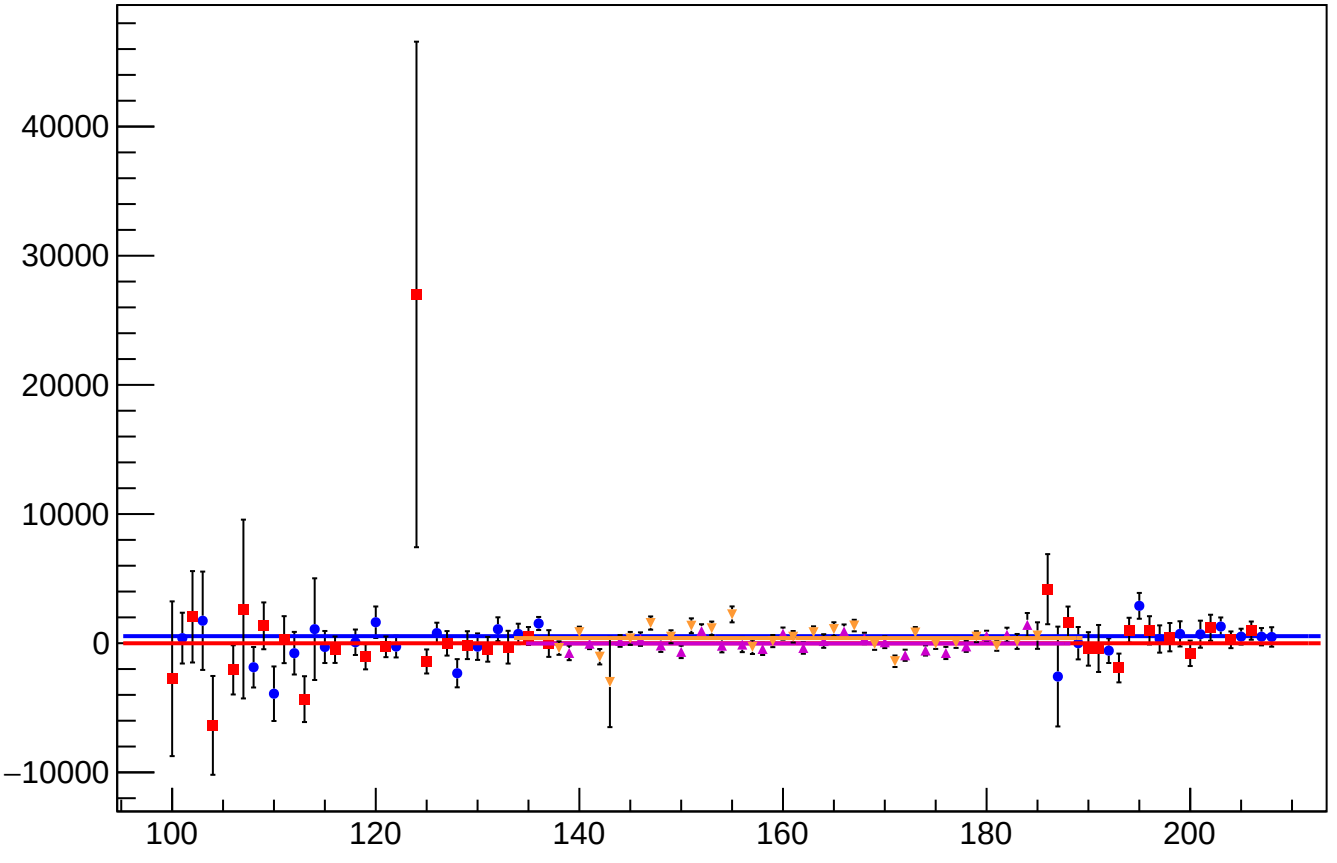
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1869.900+/-0.236 χ^2/NDF: 1305287.8/57

In: 1833.989+/-0.223 χ^2/NDF:689479.5/49

Out: 1819.357+/-0.217 χ^2/NDF:843667.2/55

All: 1826.472+/-0.155 χ^2/NDF: 1535359.9/10



Right In: 546.052+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -4.421+/-202.258 χ^2/NDF: 31.2/30

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

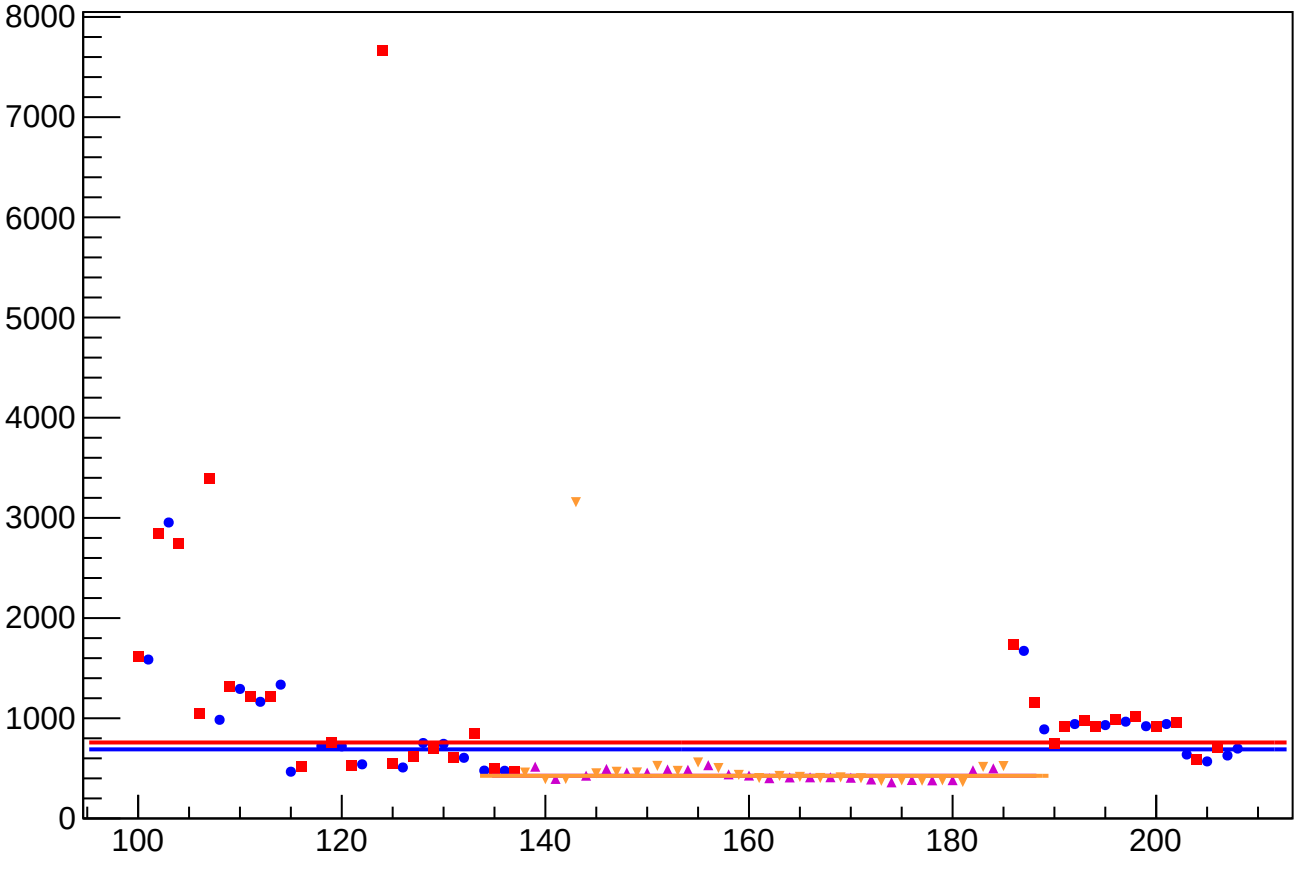
Right: 296.595+/-136.156 χ^2/NDF: 65.9/57

In: 108.343+/-88.055 χ^2/NDF:68.9/49

Out: 320.228+/-89.039 χ^2/NDF:94.9/55

All: 213.108+/-62.609 χ^2/NDF: 166.6/105

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326553.5/30

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

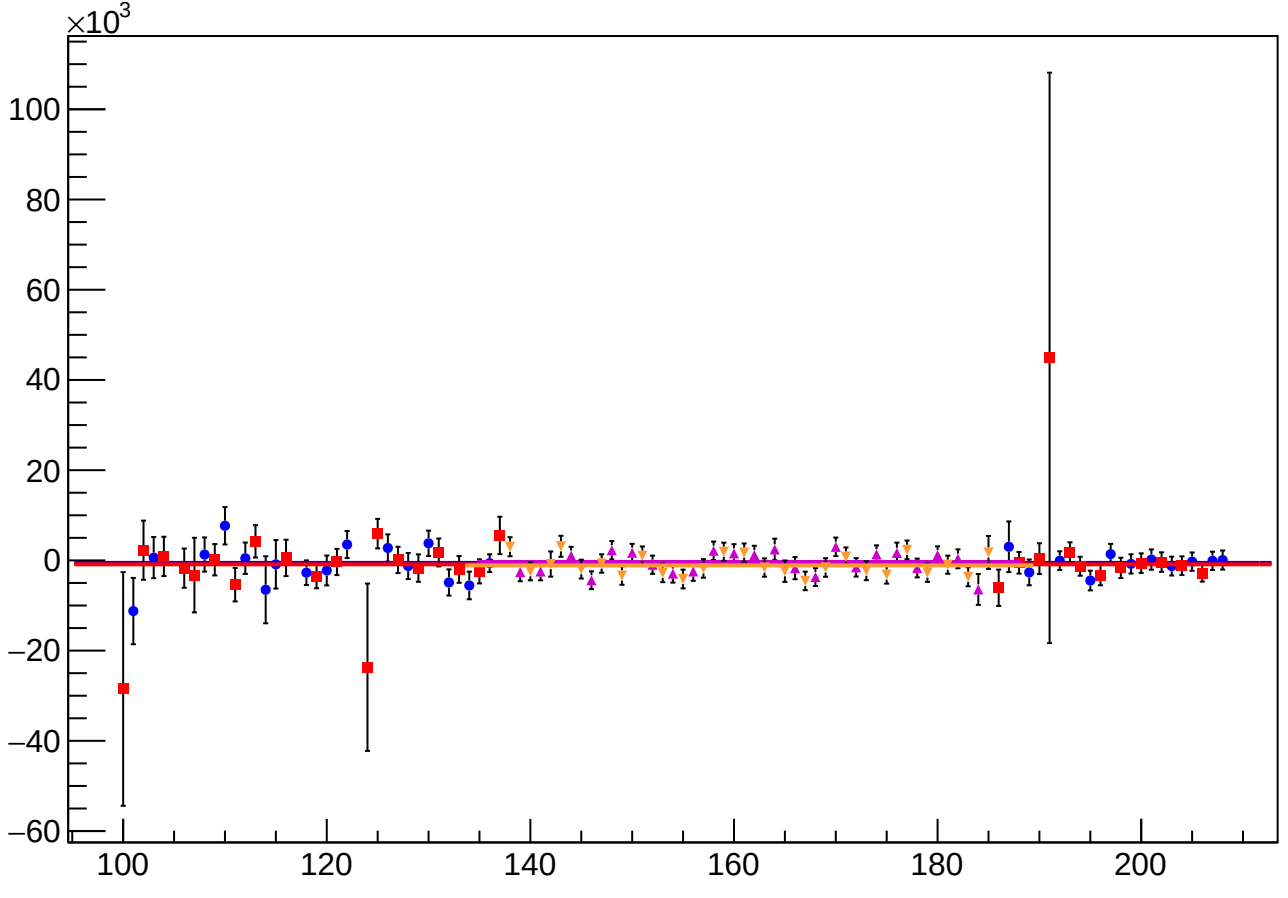
Right: 720.731+/-0.096 χ^2/NDF: 7698705.7/57

In: 486.388+/-0.062 χ^2/NDF:6818016.9/49

Out: 490.165+/-0.063 χ^2/NDF:10406528.4/55

All: 488.256+/-0.044 χ^2/NDF: 17226364.7/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -555.564+/-523.337 χ^2/NDF: 23.7/26

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -869.151+/-534.483 χ^2/NDF: 22.0/30

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

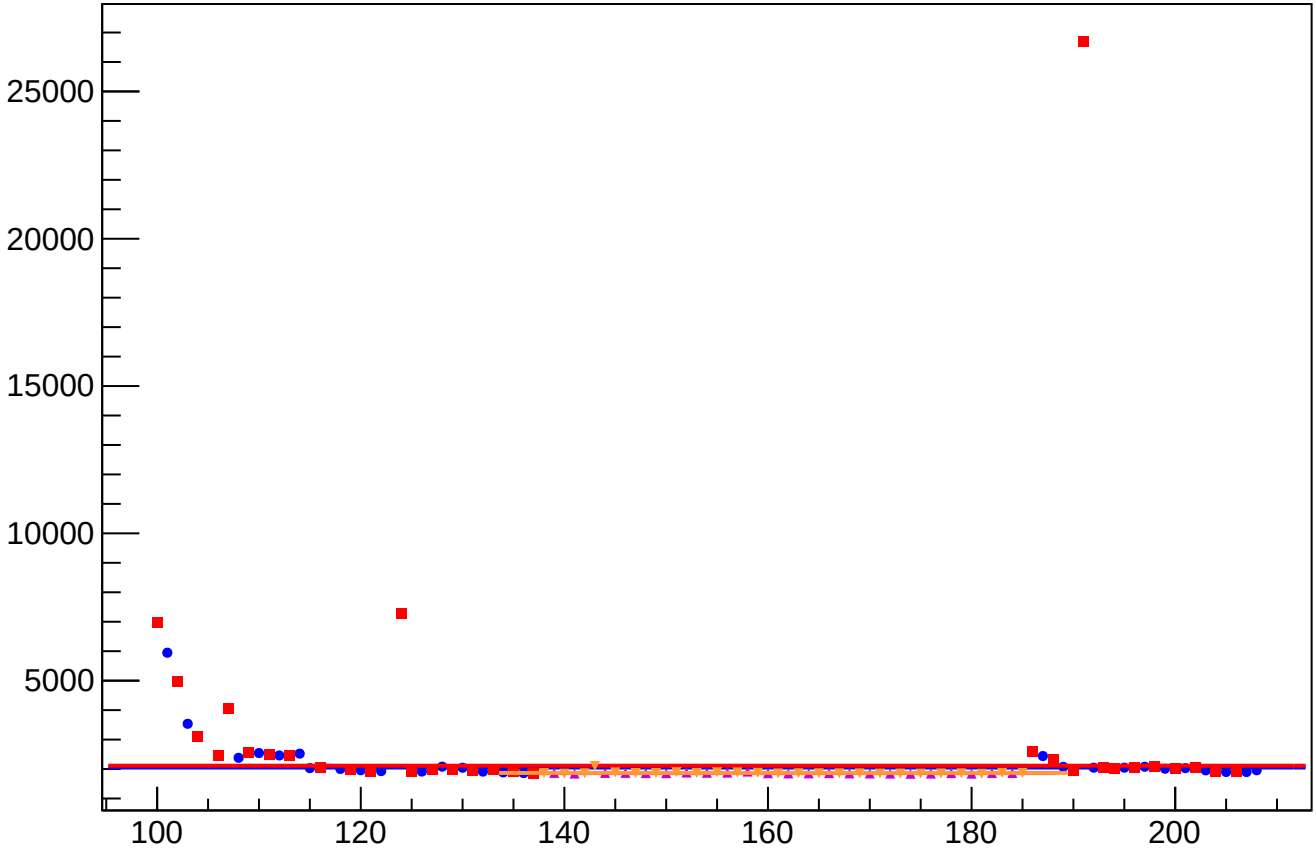
Right: -709.054+/-373.933 χ^2/NDF: 45.9/57

In: -432.169+/-334.502 χ^2/NDF:52.6/49

Out: -1014.219+/-332.484 χ^2/NDF:50.1/55

All: -724.955+/-235.812 χ^2/NDF: 104.2/105

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2051.940+/-0.370 χ^2/NDF: 933880.2/26

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2113.245+/-0.378 χ^2/NDF: 1362629.9/30

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

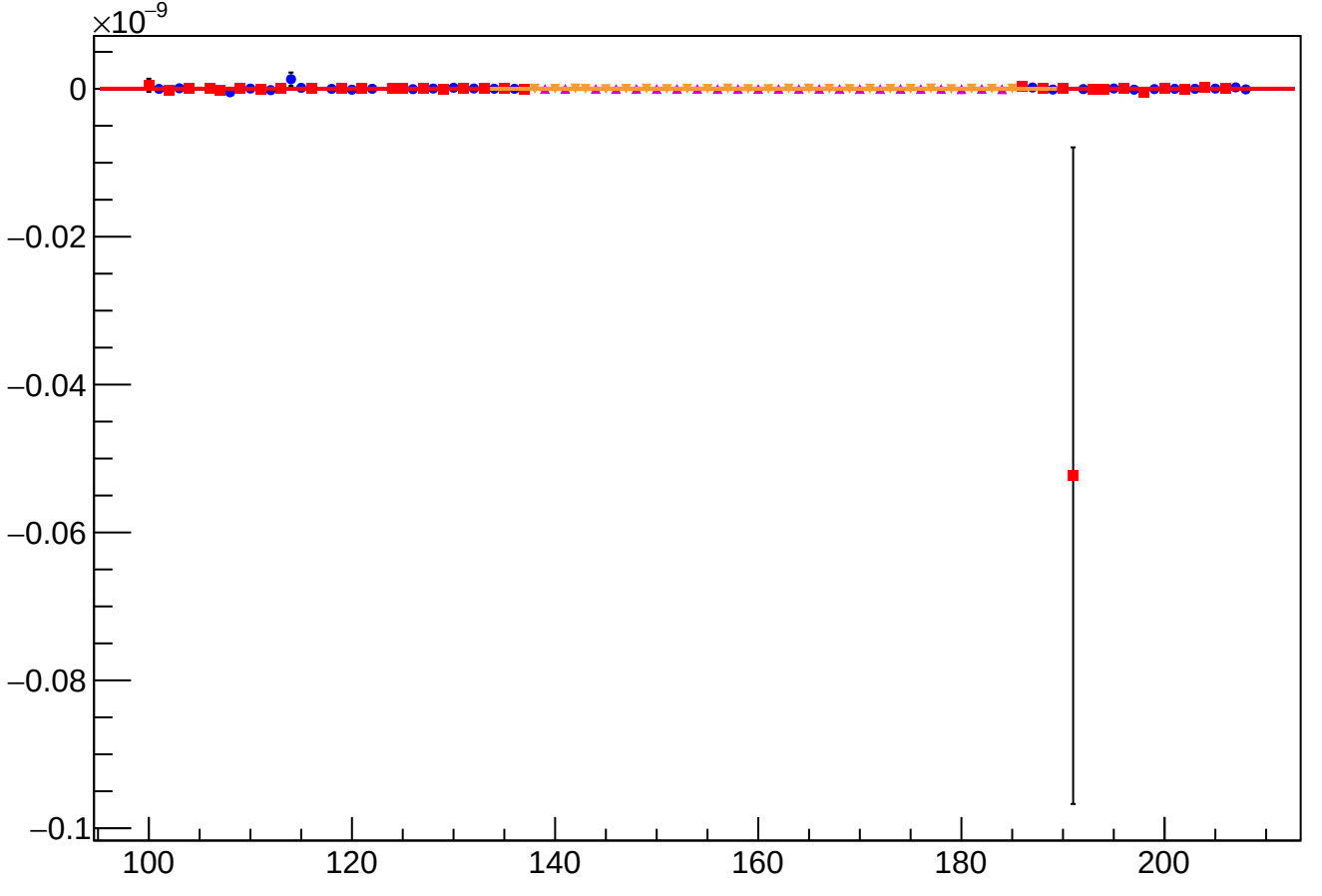
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2081.947+/-0.264 χ^2/NDF: 2309943.5/57

In: 1940.088+/-0.237 χ^2/NDF:1091058.8/49

Out: 1963.479+/-0.235 χ^2/NDF:1642103.5/55

All: 1951.854+/-0.167 χ^2/NDF: 2738081.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

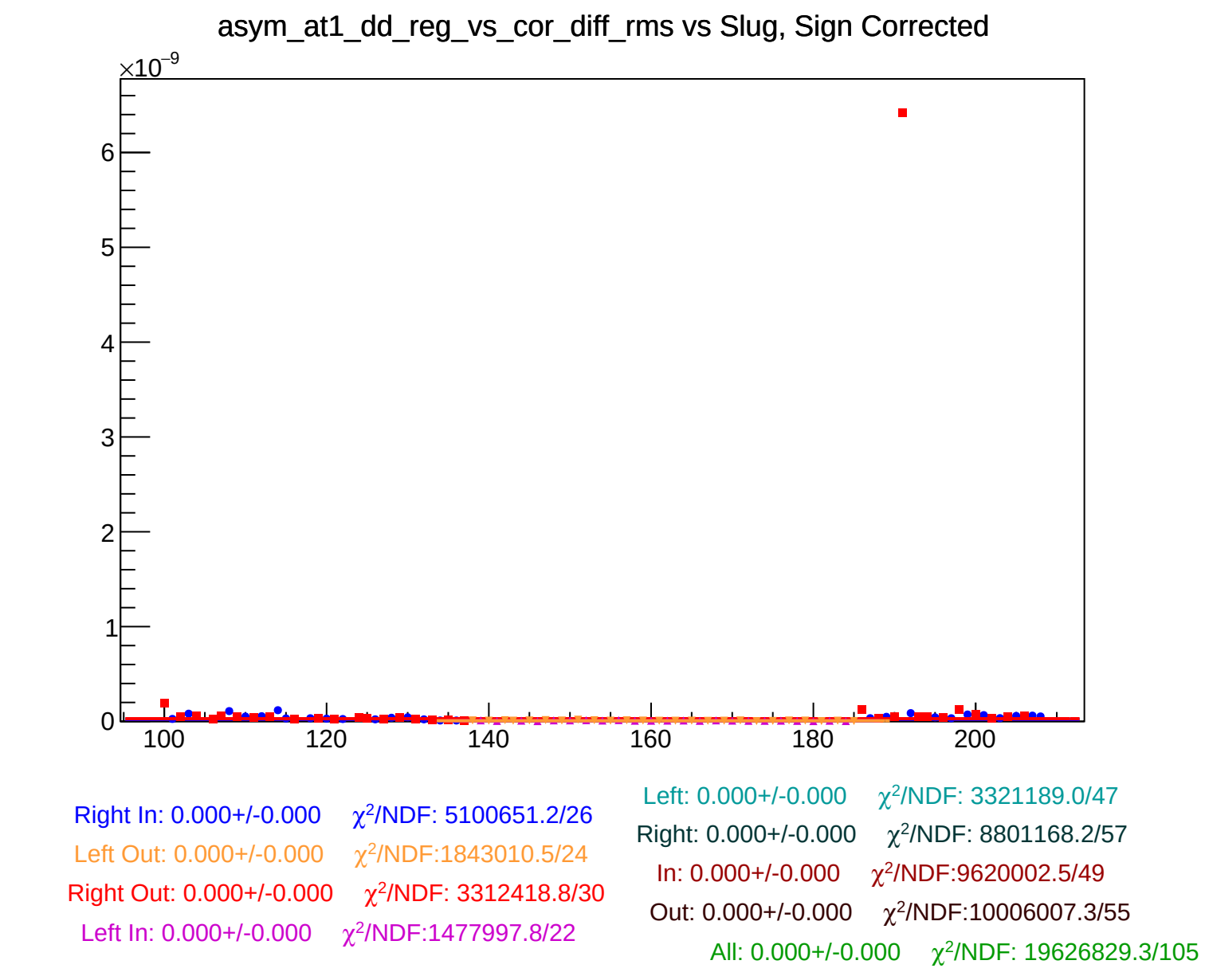
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

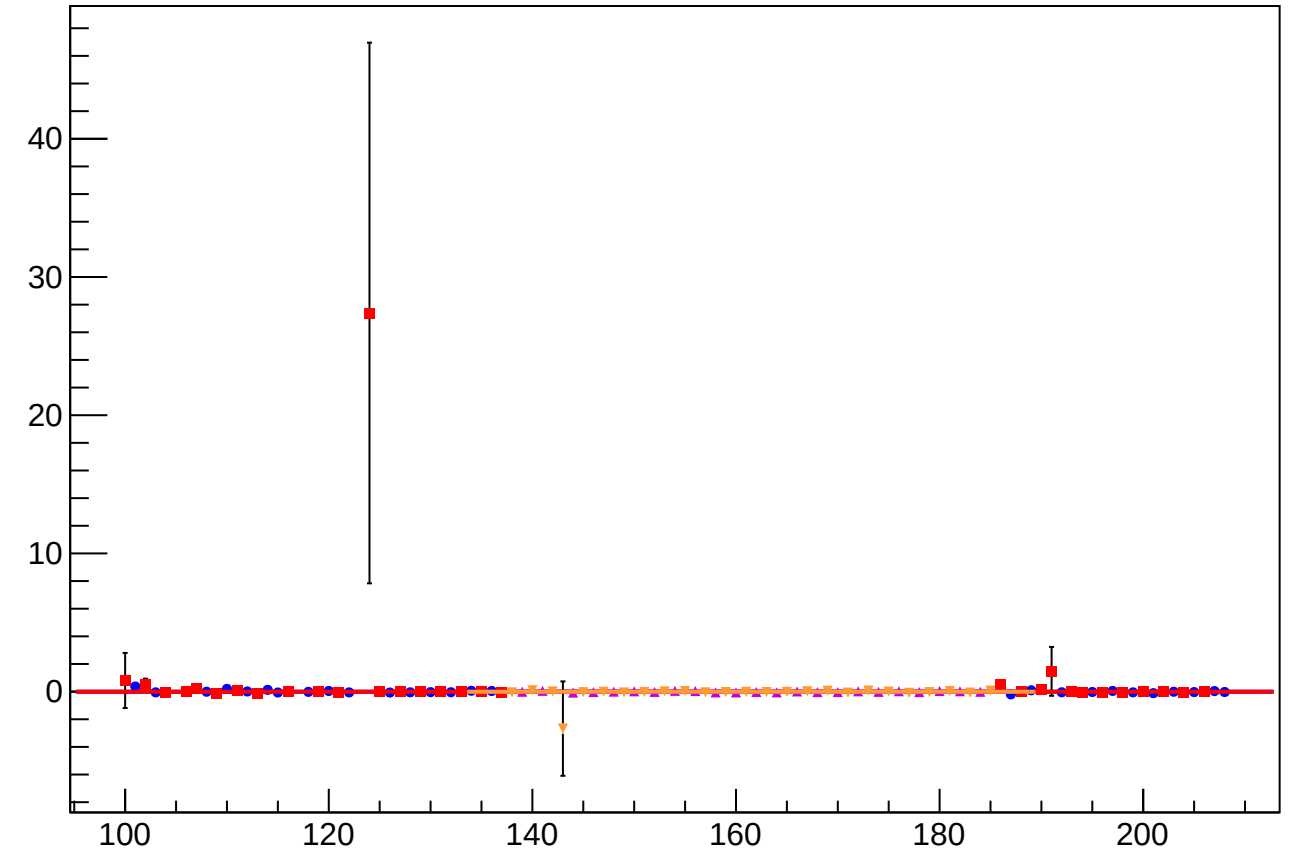
Right: 0.000+/-0.000 χ^2/NDF: 60.2/57

In: -0.000+/-0.000 χ^2/NDF:44.4/49

Out: 0.000+/-0.000 χ^2/NDF:76.2/55

All: -0.000+/-0.000 χ^2/NDF: 122.6/105


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5100651.2/26
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3312418.8/30
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: 8801168.2/57
In: 0.000+/-0.000 χ²/NDF:9620002.5/49
Out: 0.000+/-0.000 χ²/NDF:10006007.3/55
All: 0.000+/-0.000 χ²/NDF: 19626829.3/105



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

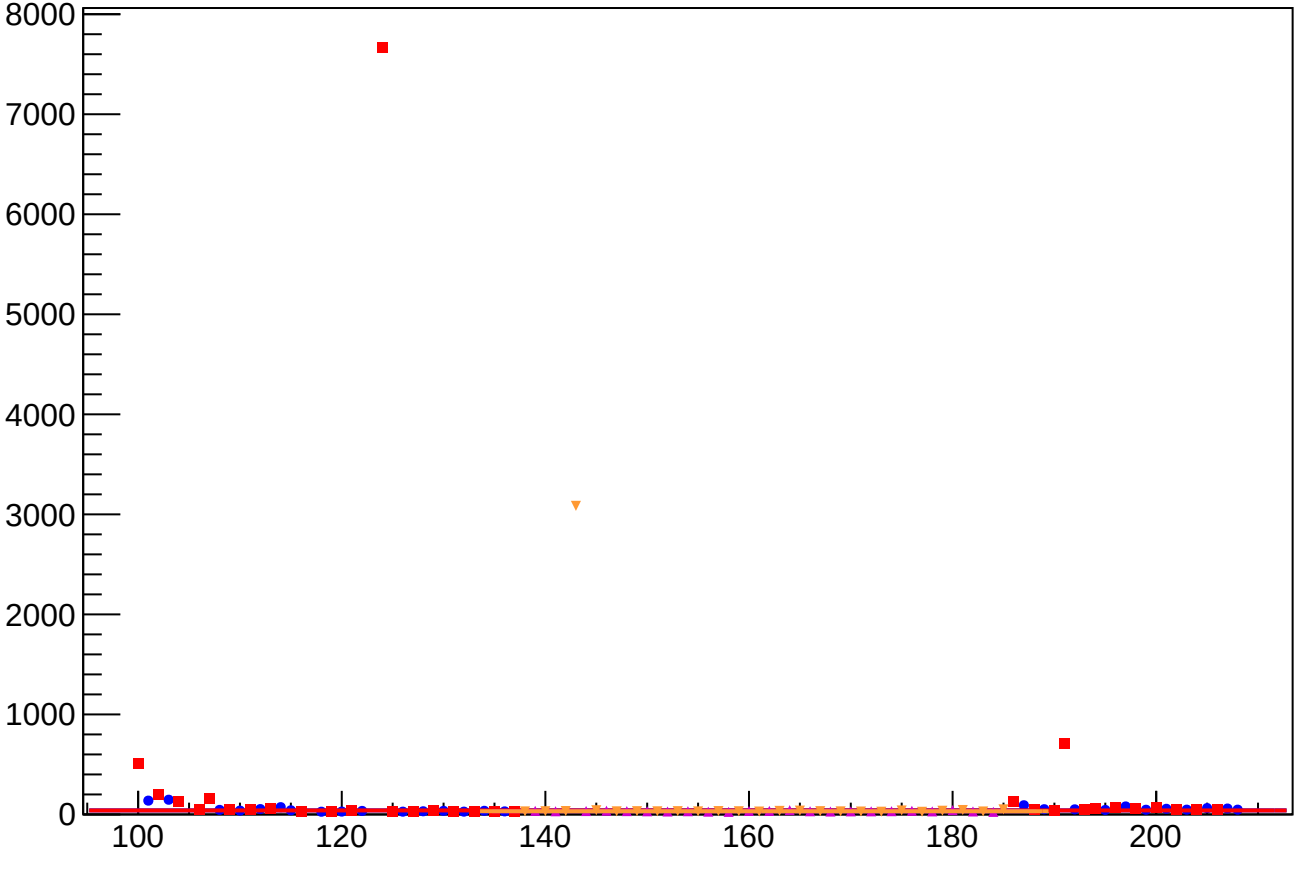
Right: -0.007+/-0.008 χ^2/NDF: 54.6/57

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.2/105

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

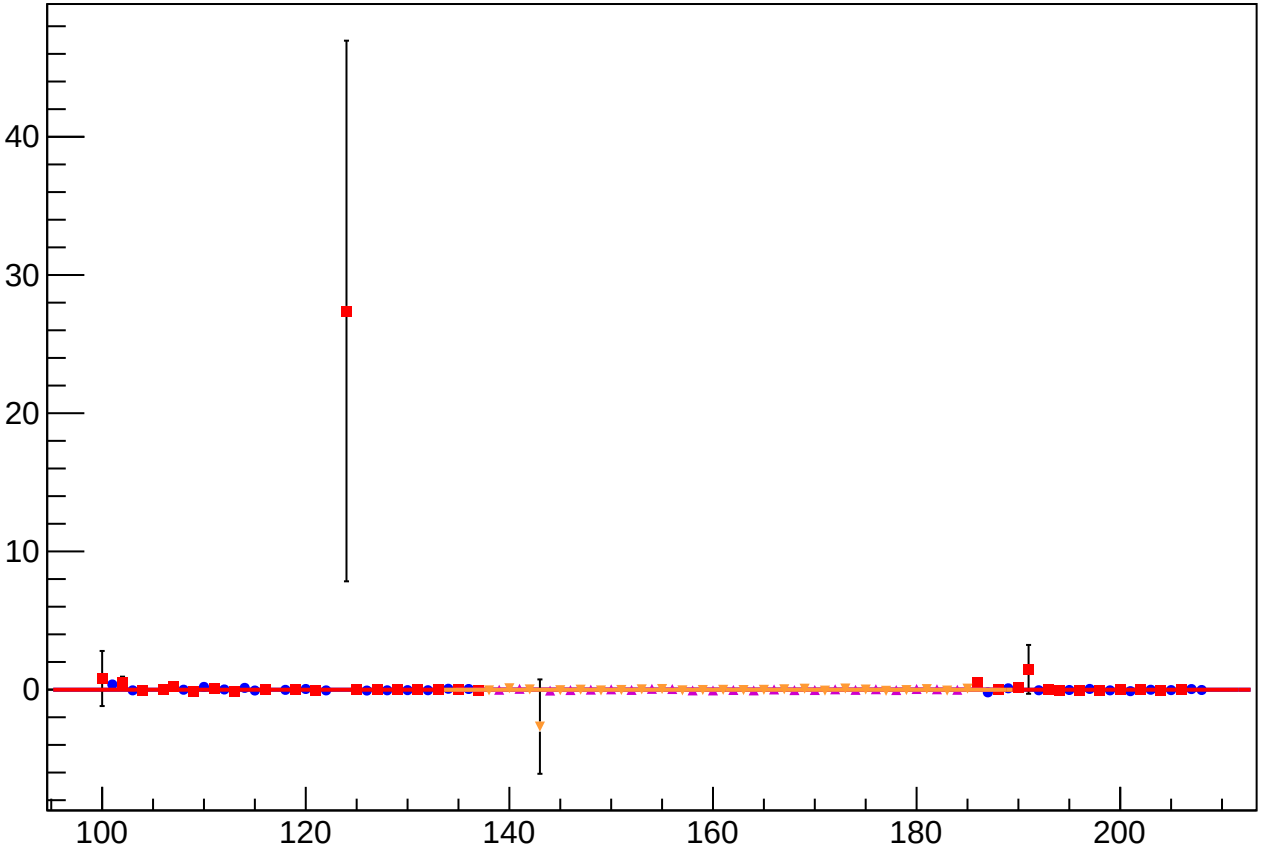
Right: 40.501+/-0.006 χ^2/NDF: 7546996.7/57

In: 35.171+/-0.005 χ^2/NDF:4362759.4/49

Out: 34.847+/-0.005 χ^2/NDF:7000883.8/55

All: 35.009+/-0.003 χ^2/NDF: 11365931.9/105

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

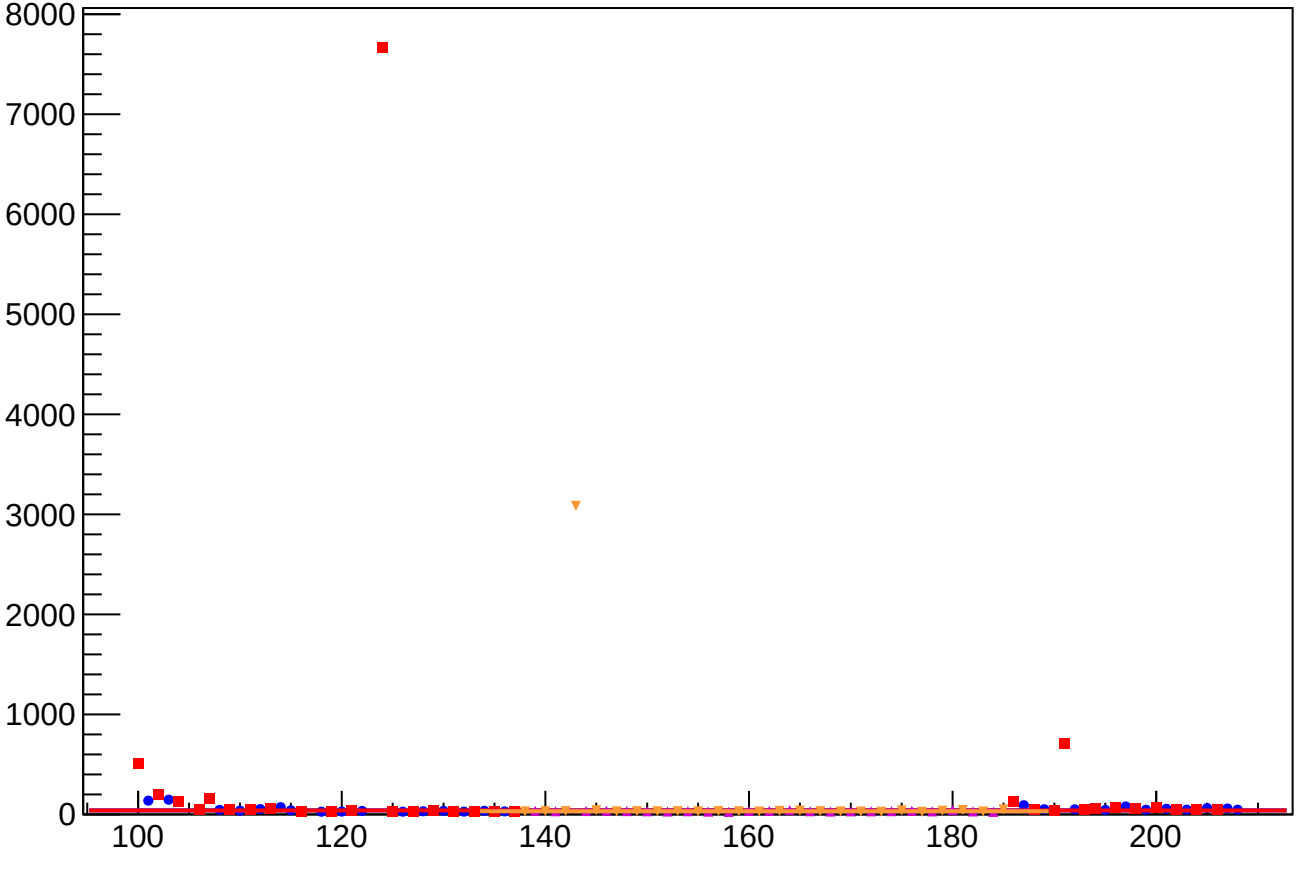
Right: -0.007+/-0.008 χ^2/NDF: 54.6/57

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.2/105

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

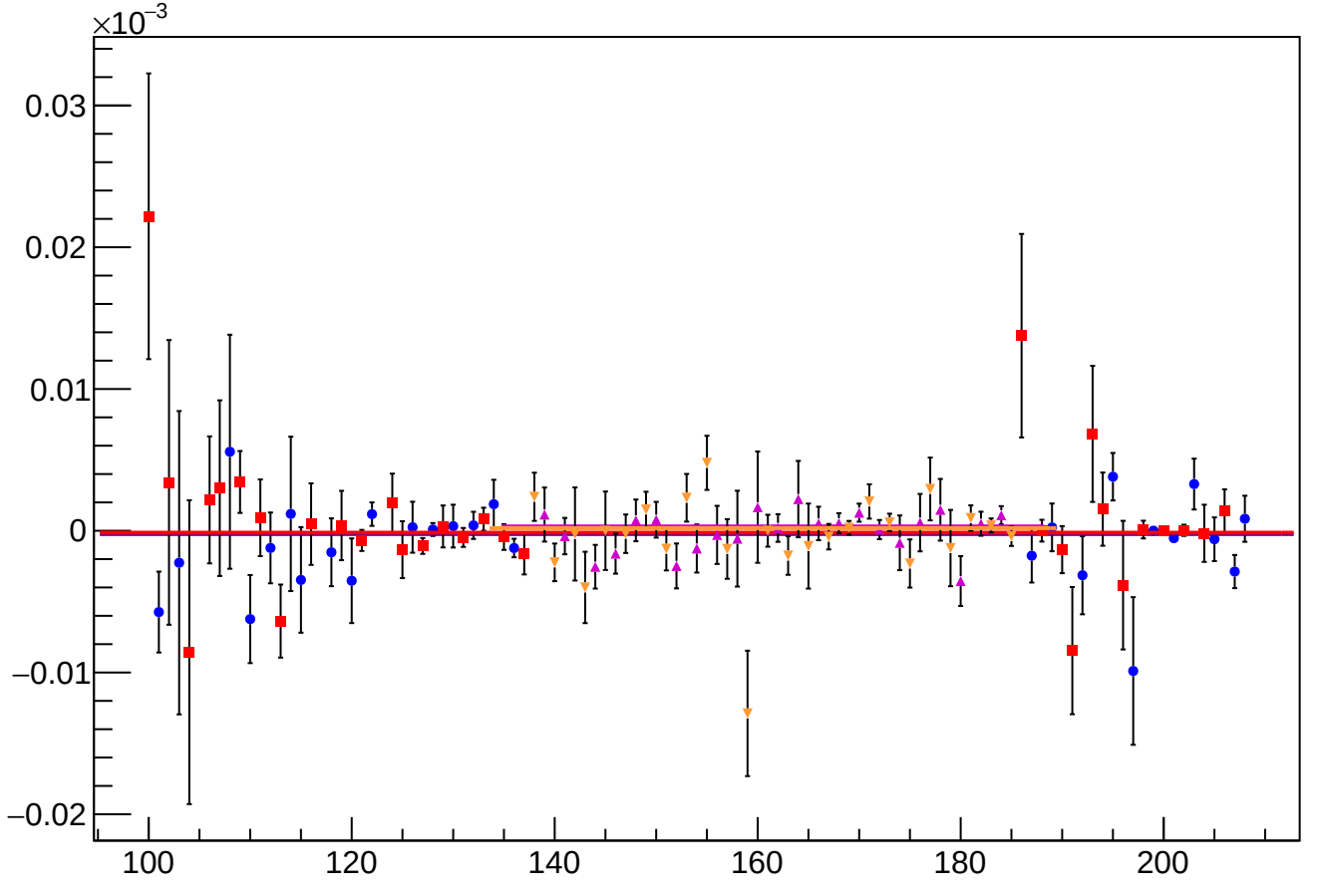
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.501+/-0.006 χ^2/NDF: 7546996.7/57

In: 35.171+/-0.005 χ^2/NDF:4362759.4/49

Out: 34.847+/-0.005 χ^2/NDF:7000883.8/55

All: 35.009+/-0.003 χ^2/NDF: 11365931.9/105



Right In: -0.000+/-0.000 χ^2/NDF: 40.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/30

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

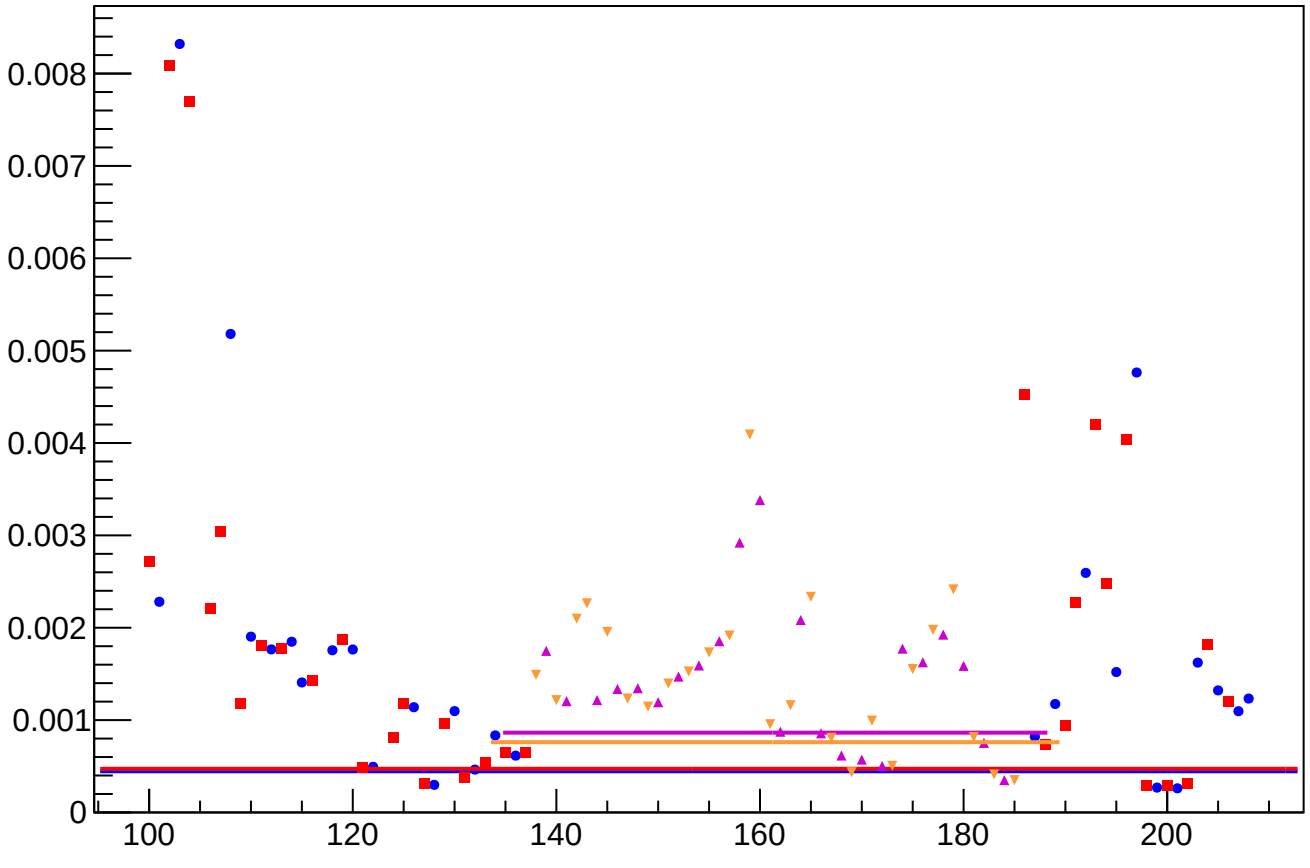
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 75.6/57

In: -0.000+/-0.000 χ^2/NDF:64.1/49

Out: -0.000+/-0.000 χ^2/NDF:73.9/55

All: -0.000+/-0.000 χ^2/NDF: 138.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 13965187.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13297521.7/30

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

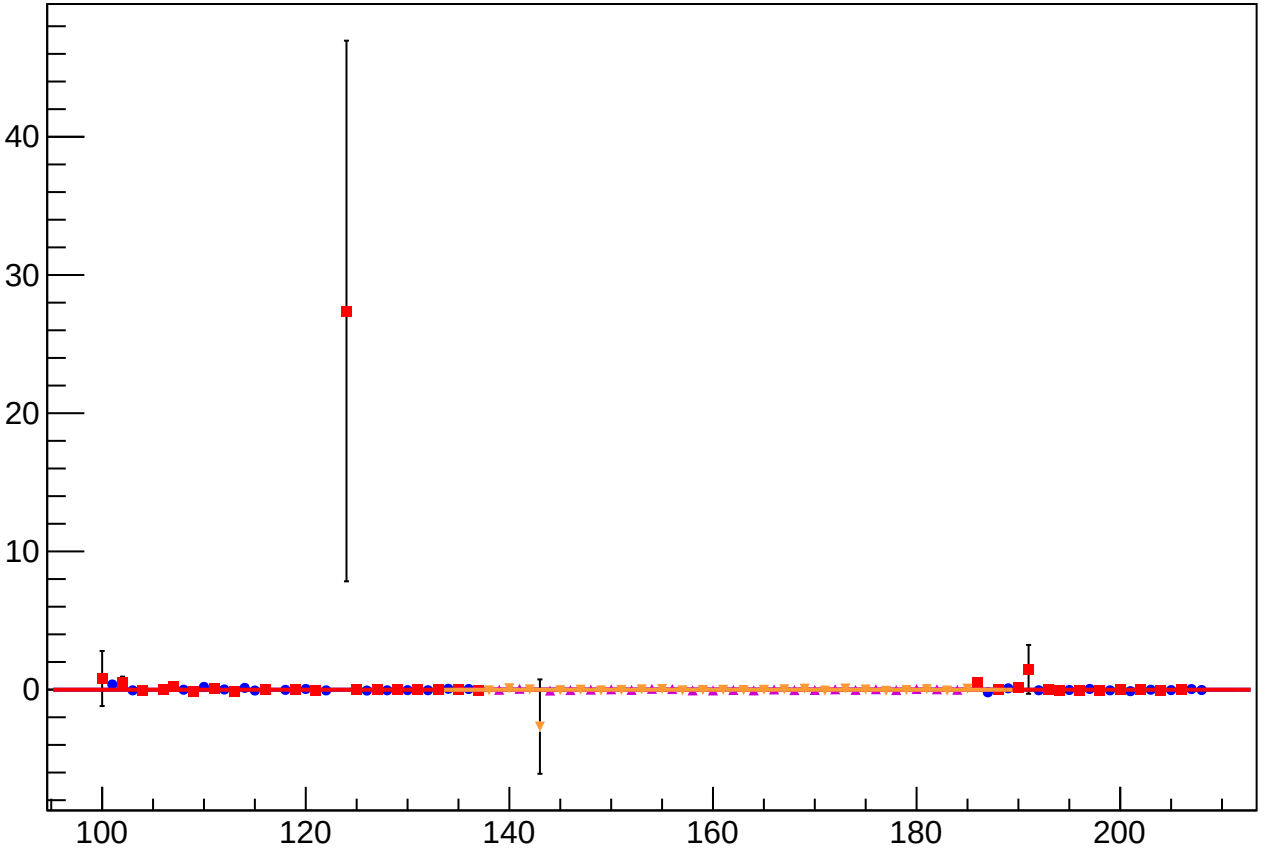
Right: 0.000+/-0.000 χ^2/NDF: 27288629.0/57

In: 0.001+/-0.000 χ^2/NDF:26599505.1/49

Out: 0.001+/-0.000 χ^2/NDF:26632725.2/55

All: 0.001+/-0.000 χ^2/NDF: 53236451.2/105

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

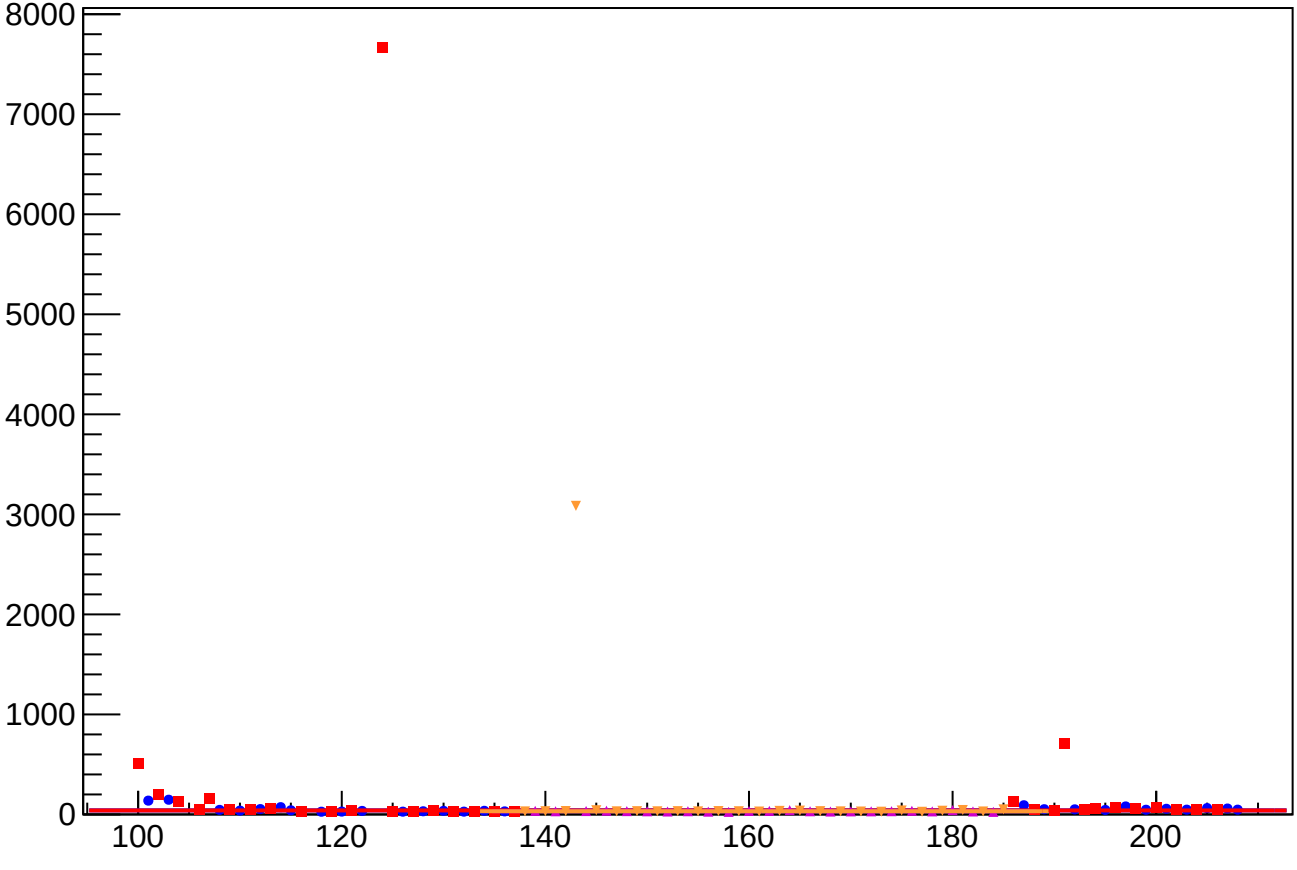
Right: -0.007+/-0.008 χ^2/NDF: 54.6/57

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.2/105

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

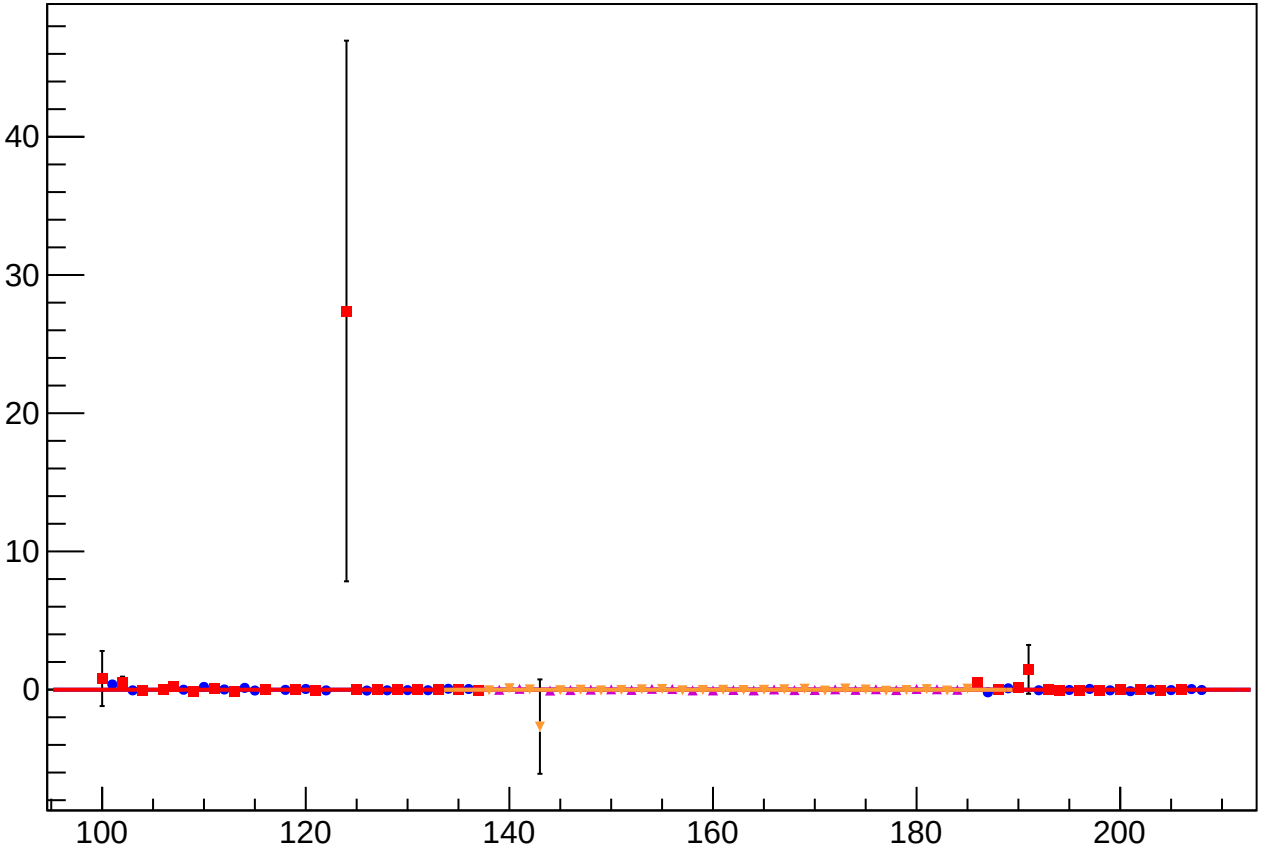
Right: 40.501+/-0.006 χ^2/NDF: 7547007.4/57

In: 35.172+/-0.005 χ^2/NDF:4362629.0/49

Out: 34.847+/-0.005 χ^2/NDF:7000957.8/55

All: 35.009+/-0.003 χ^2/NDF: 11365878.9/105

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.012 χ^2/NDF: 26.1/30

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

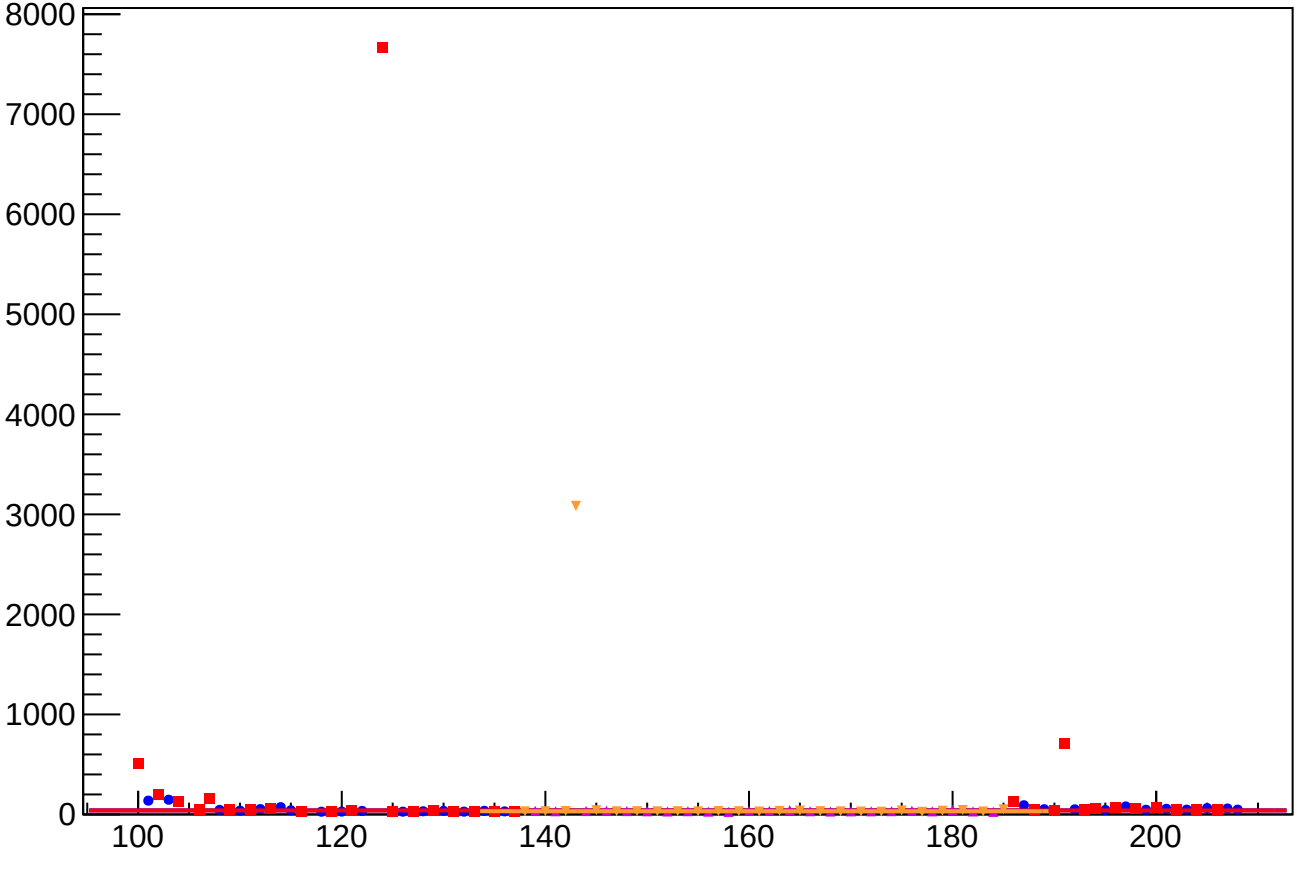
Right: -0.007+/-0.008 χ^2/NDF: 54.6/57

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.2/105

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

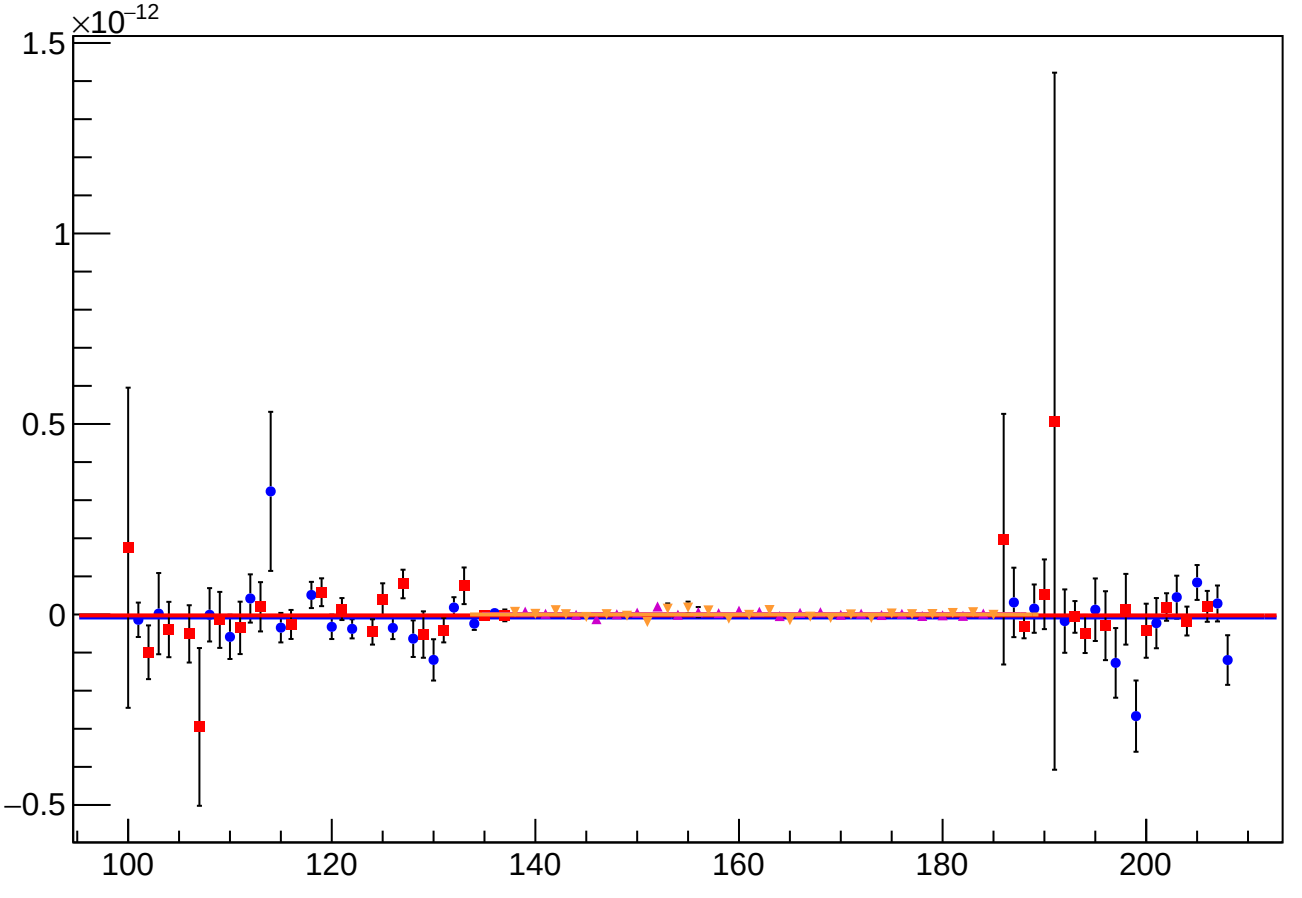
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.501+/-0.006 χ^2/NDF: 7547007.4/57

In: 35.172+/-0.005 χ^2/NDF:4362629.0/49

Out: 34.847+/-0.005 χ^2/NDF:7000957.8/55

All: 35.009+/-0.003 χ^2/NDF: 11365878.9/105



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

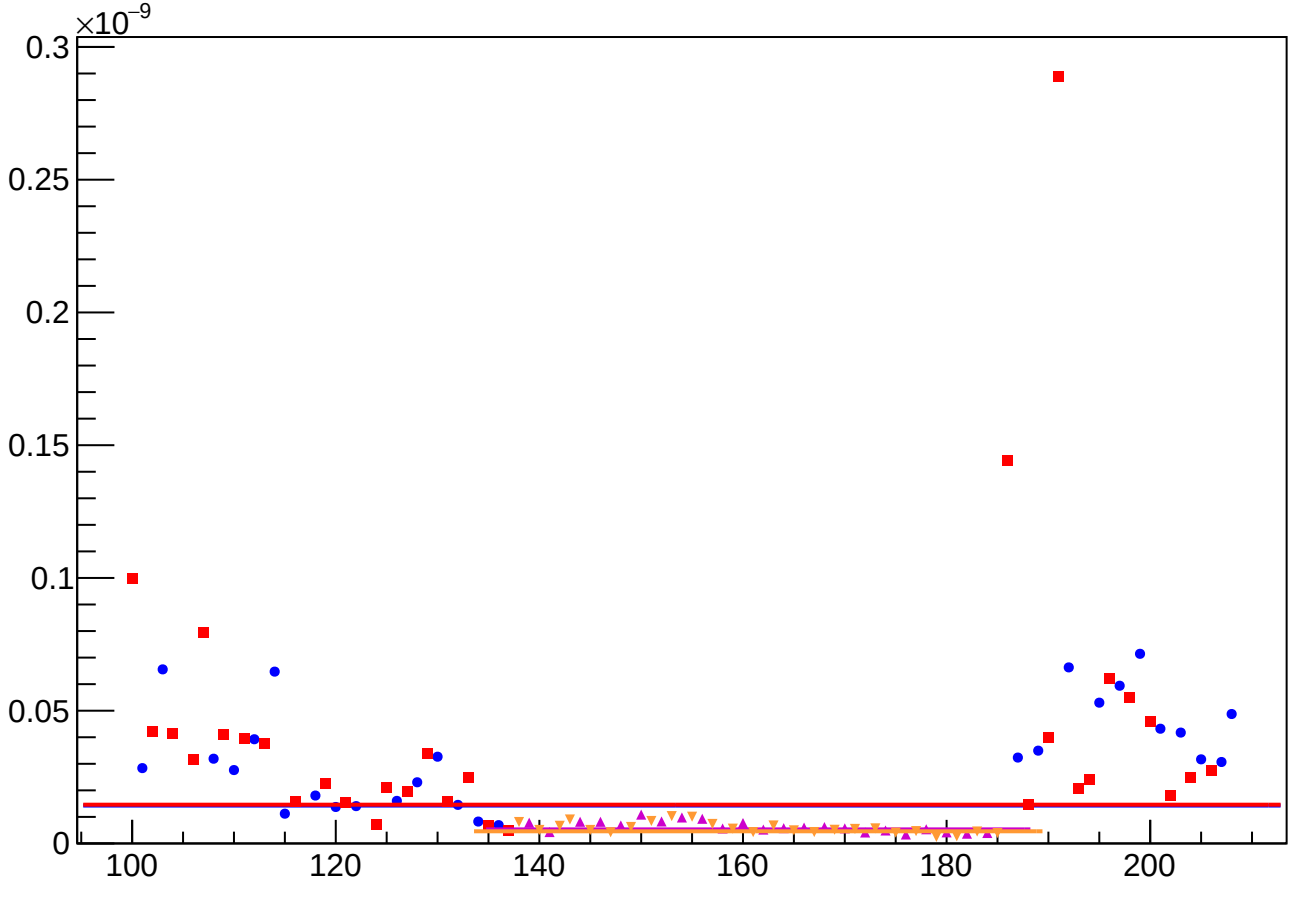
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 63.1/57

In: 0.000+/-0.000 χ^2/NDF:48.7/49

Out: -0.000+/-0.000 χ^2/NDF:46.4/55

All: 0.000+/-0.000 χ^2/NDF: 95.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 7938905.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6426769.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

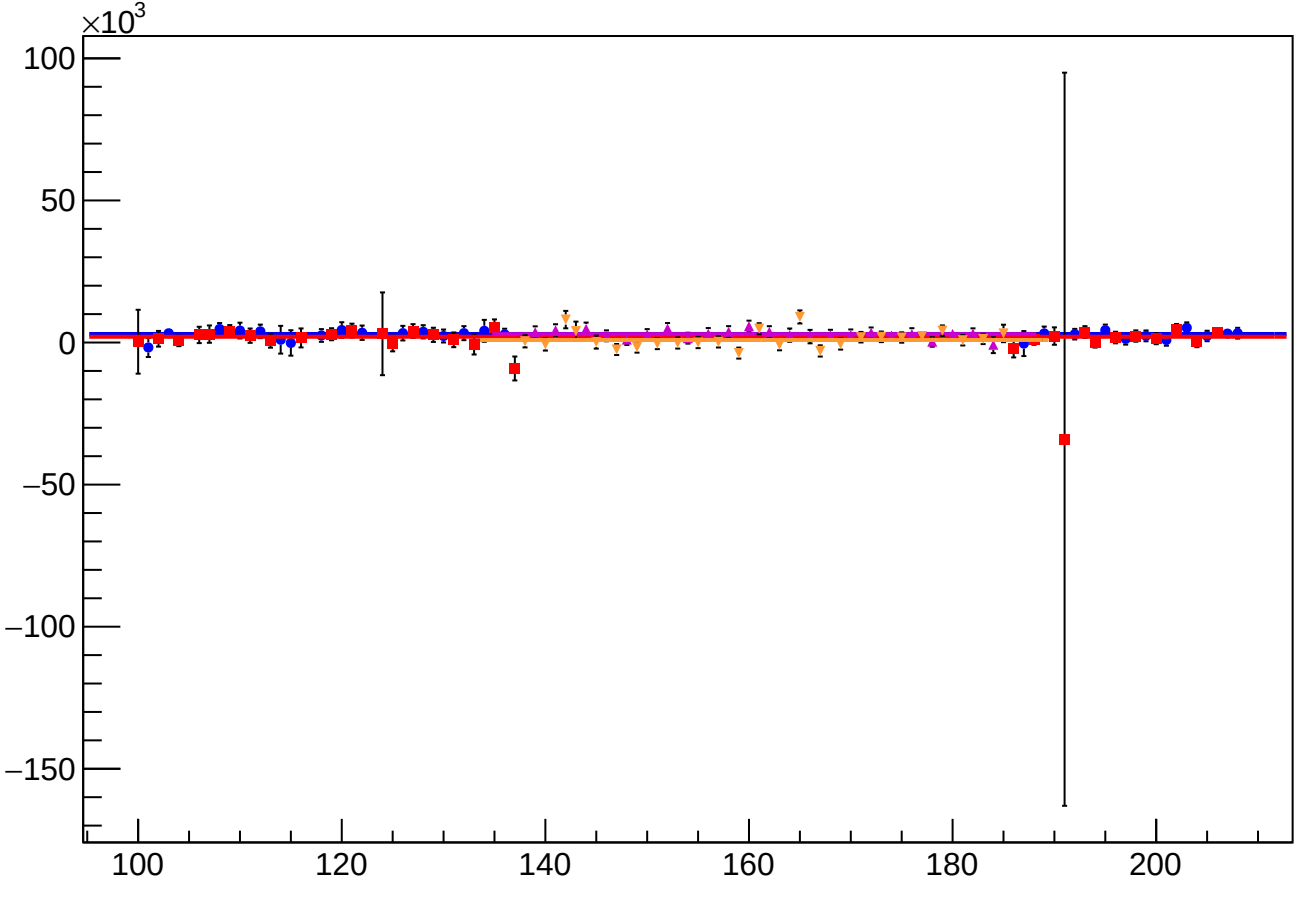
Right: 0.000+/-0.000 χ^2/NDF: 14368318.1/57

In: 0.000+/-0.000 χ^2/NDF:14235229.3/49

Out: 0.000+/-0.000 χ^2/NDF:13763263.4/55

All: 0.000+/-0.000 χ^2/NDF: 28310976.2/105

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.460+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 2030.756+/-434.860 χ^2/NDF: 21.9/30

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

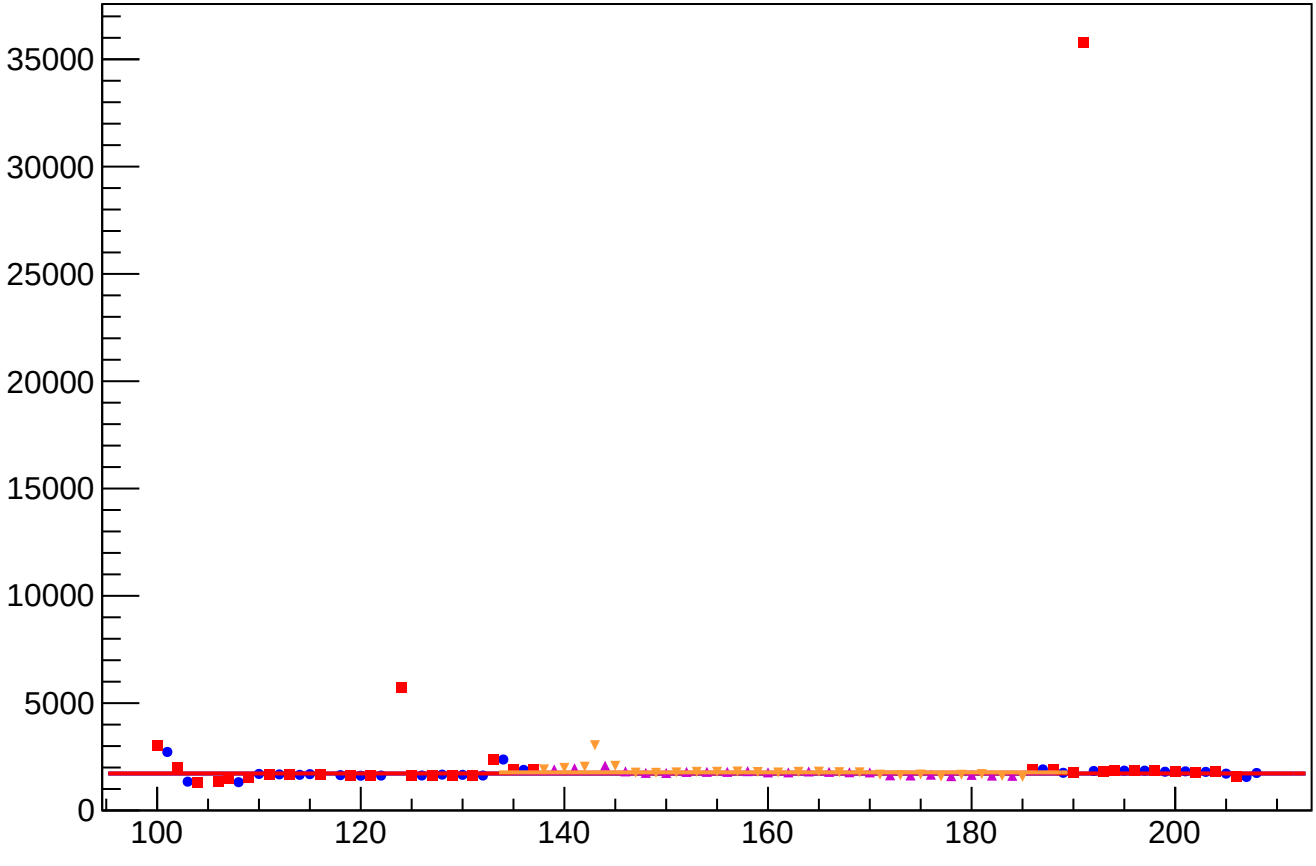
Right: 2518.325+/-307.739 χ^2/NDF: 33.3/57

In: 2973.596+/-299.337 χ^2/NDF:19.4/49

Out: 1425.399+/-296.584 χ^2/NDF:70.8/55

All: 2192.348+/-210.683 χ^2/NDF: 103.7/105

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.147+/-0.308 χ^2/NDF: 493661.6/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692577.8/30

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

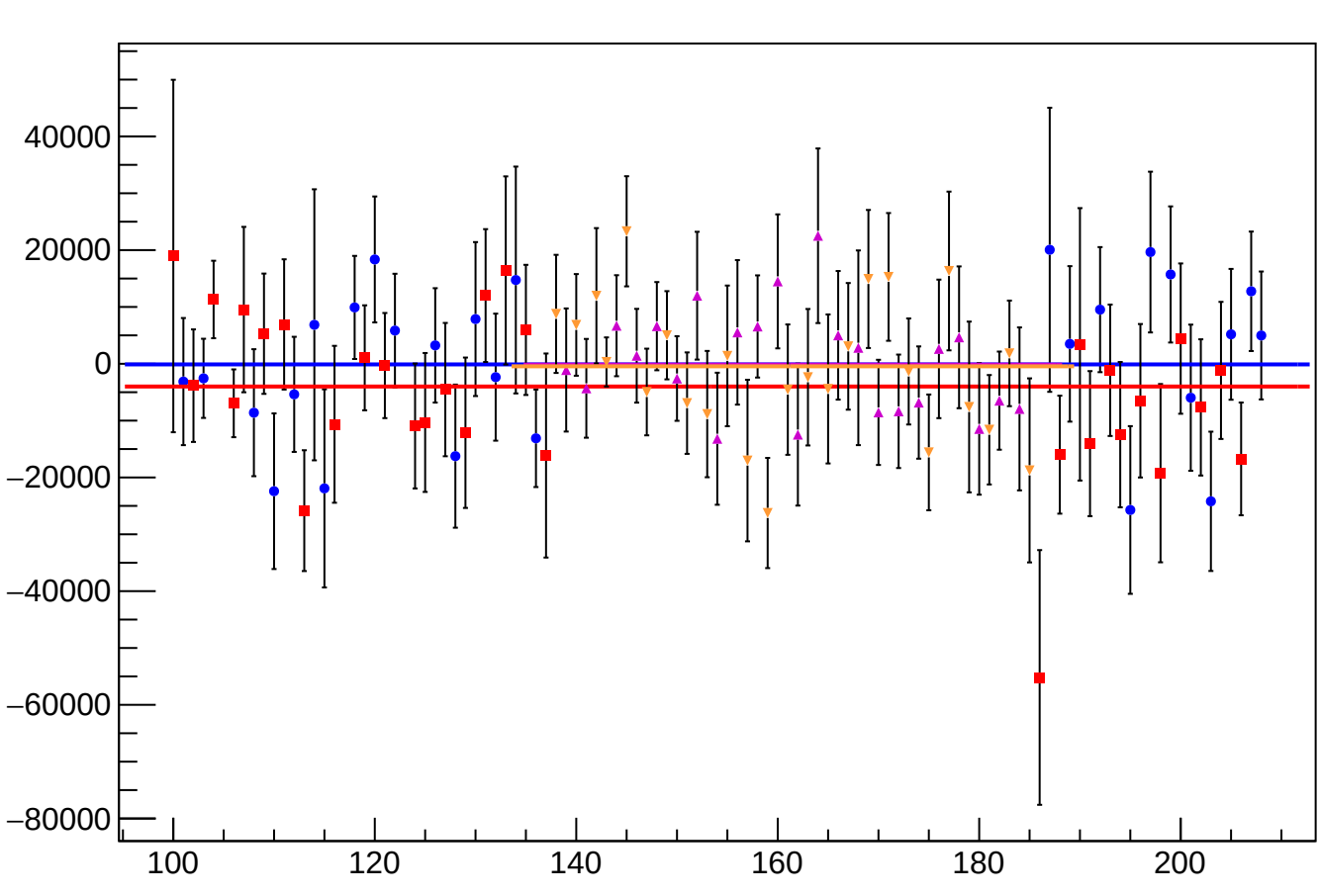
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1721.147+/-0.218 χ^2/NDF: 1186429.0/57

In: 1740.807+/-0.212 χ^2/NDF:650186.5/49

Out: 1751.197+/-0.210 χ^2/NDF:1153952.5/55

All: 1746.050+/-0.149 χ^2/NDF: 1805355.0/10



Right In: -108.727+/-2225.874 χ^2/NDF: 28.9/26

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3997.540+/-2035.358 χ^2/NDF: 29.9/30

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

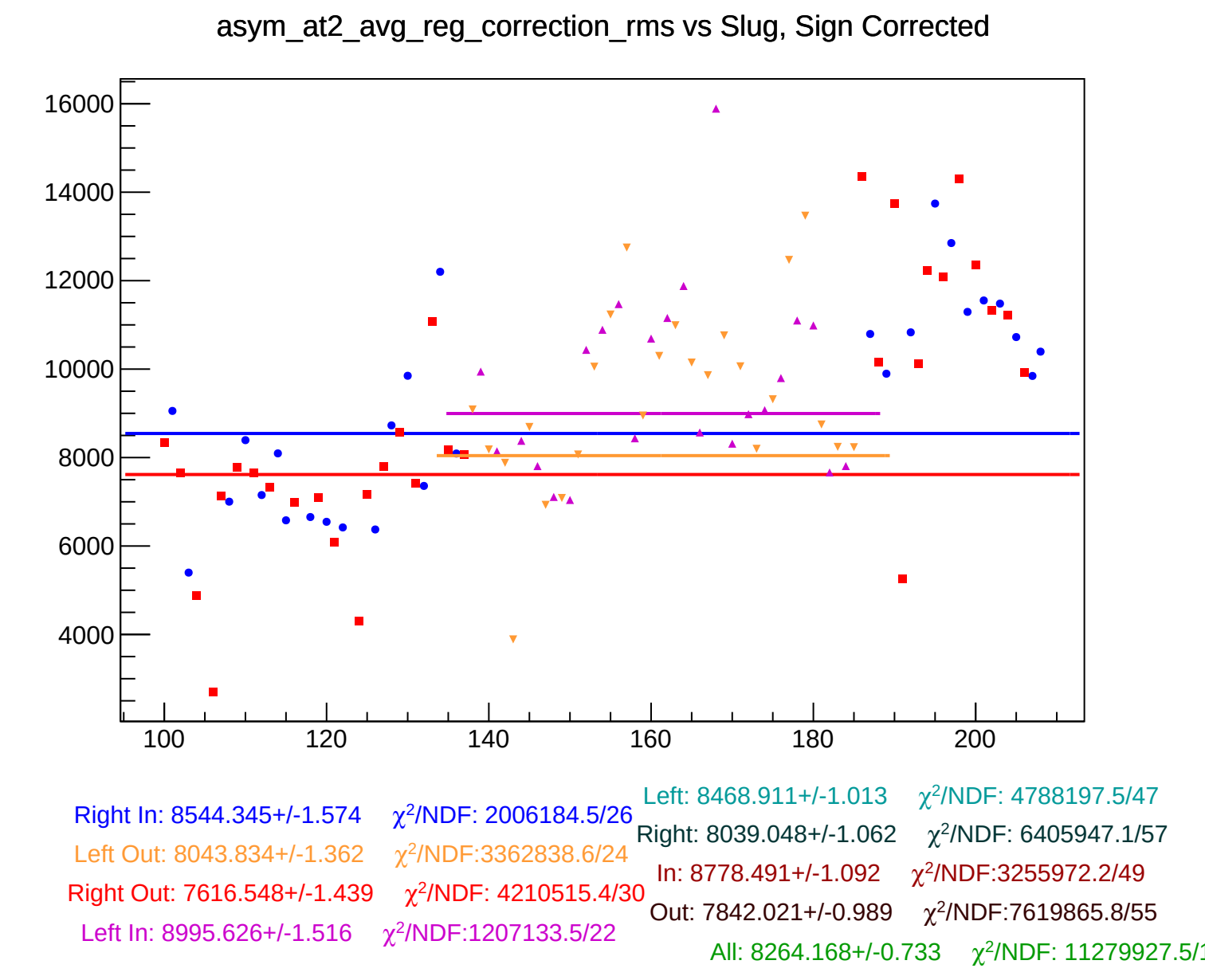
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2226.652+/-1502.061 χ^2/NDF: 60.5/57

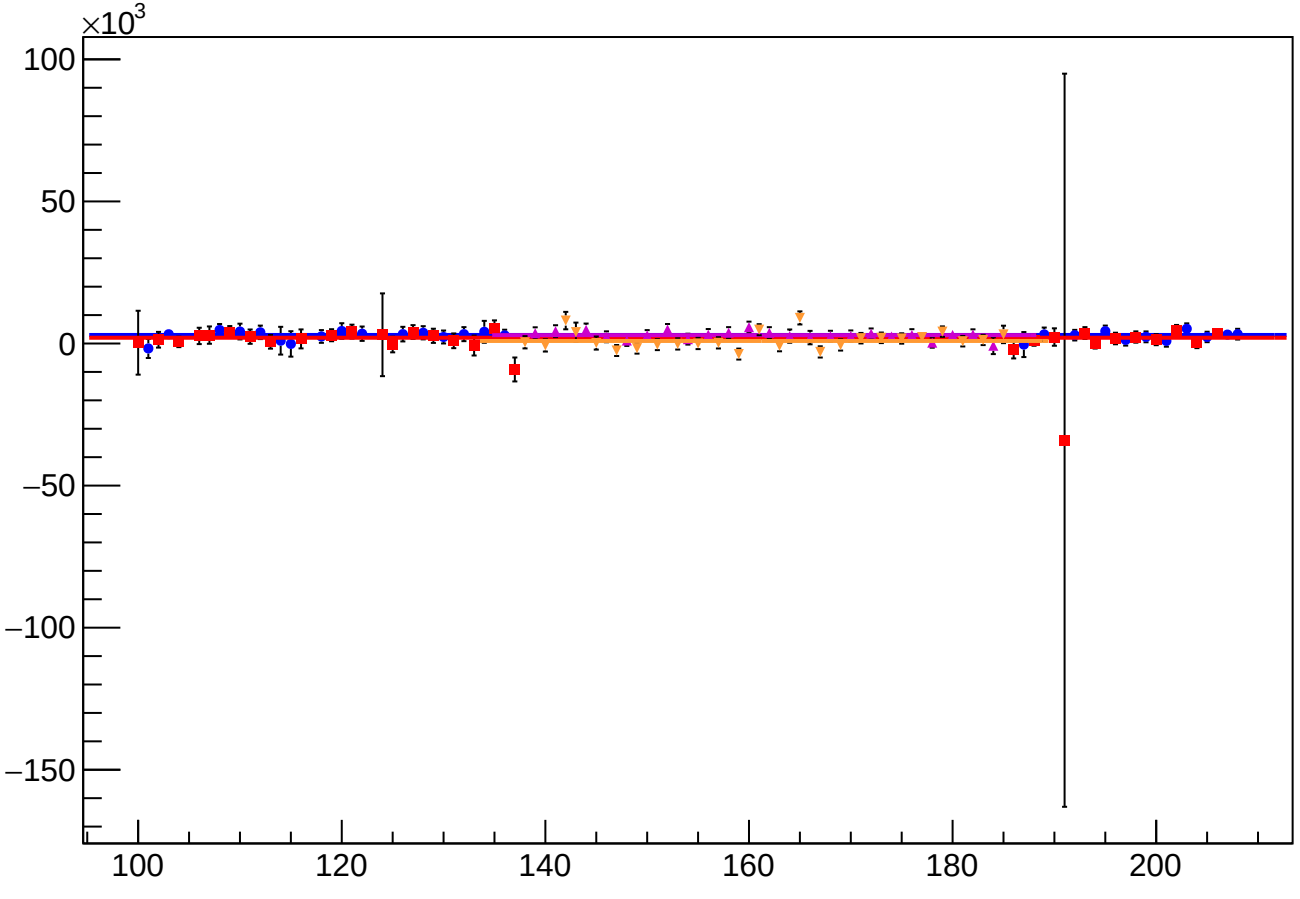
In: -132.875+/-1543.979 χ^2/NDF:42.7/49

Out: -2122.035+/-1398.800 χ^2/NDF:61.0/55

All: -1225.351+/-1036.636 χ^2/NDF: 104.6/10


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8544.345+/-1.574 χ²/NDF: 2006184.5/26
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7616.548+/-1.439 χ²/NDF: 4210515.4/30
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8039.048+/-1.062 χ²/NDF: 6405947.1/57
In: 8778.491+/-1.092 χ²/NDF:3255972.2/49
Out: 7842.021+/-0.989 χ²/NDF:7619865.8/55
All: 8264.168+/-0.733 χ²/NDF: 11279927.5/

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 2030.674+/-434.860 χ^2/NDF: 21.9/30

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

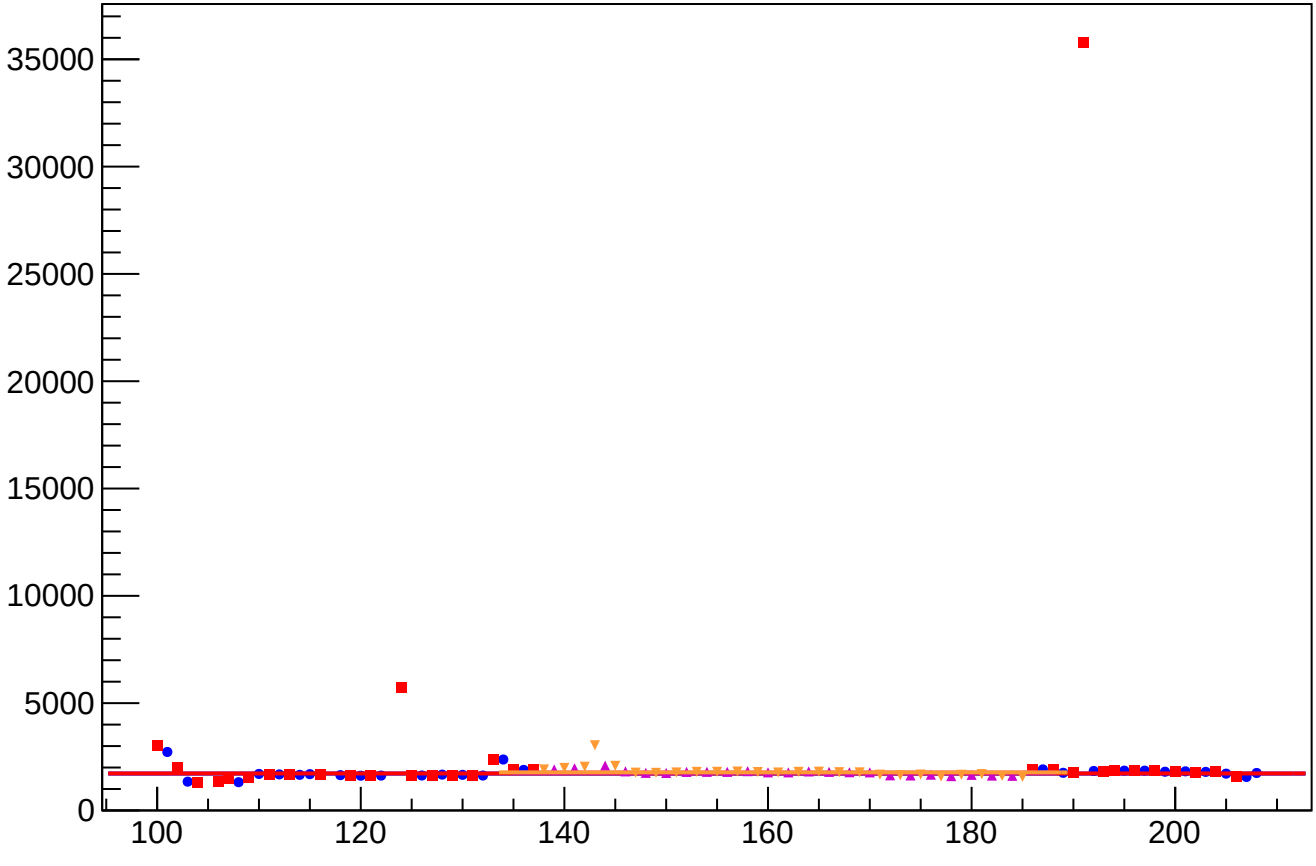
Right: 2518.314+/-307.739 χ^2/NDF: 33.3/57

In: 2973.565+/-299.337 χ^2/NDF:19.4/49

Out: 1425.319+/-296.584 χ^2/NDF:70.8/55

All: 2192.292+/-210.683 χ^2/NDF: 103.7/105

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

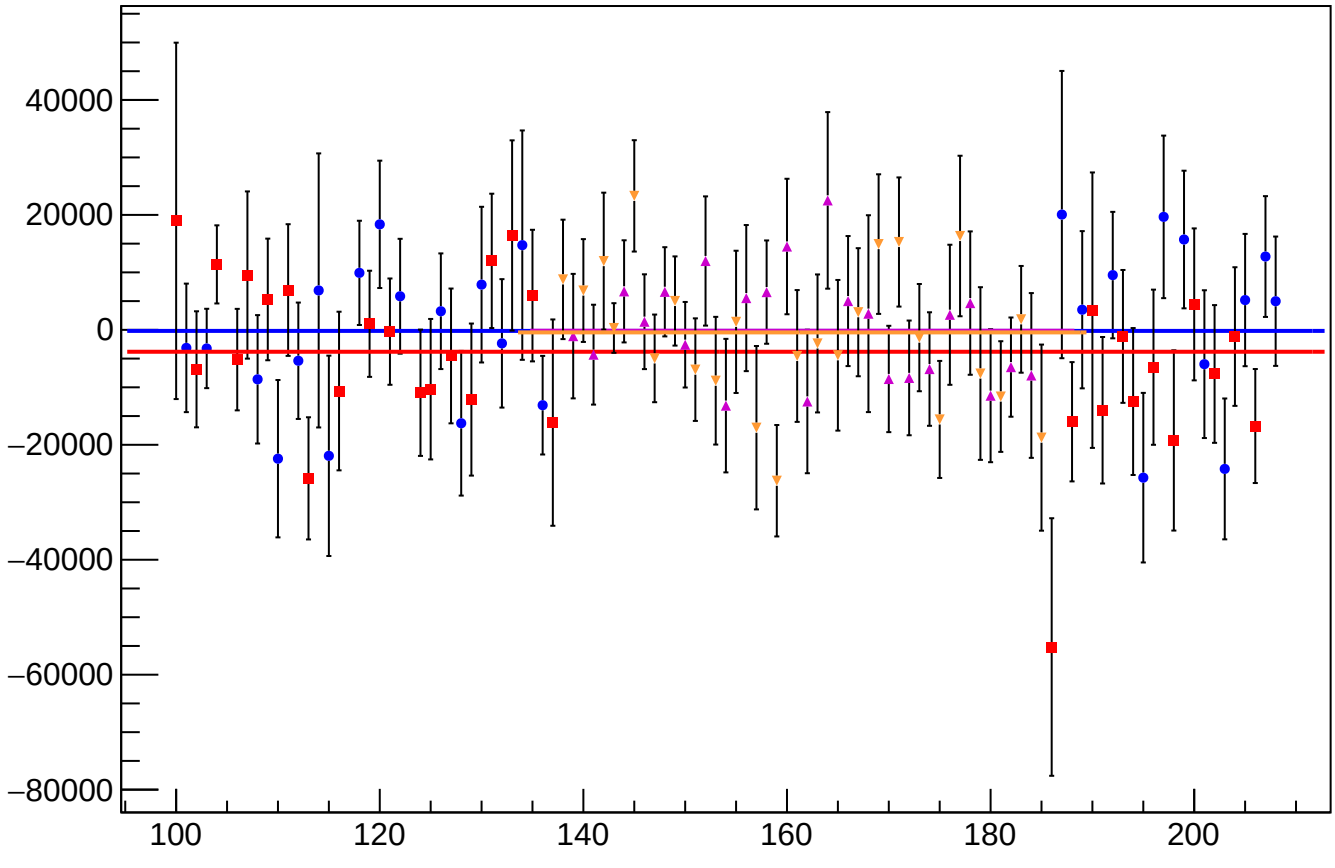
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1721.147+/-0.218 χ^2/NDF: 1186429.5/57

In: 1740.807+/-0.212 χ^2/NDF:650186.9/49

Out: 1751.197+/-0.210 χ^2/NDF:1153952.7/55

All: 1746.050+/-0.149 χ^2/NDF: 1805355.6/10



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3811.600+/-2104.180 χ^2/NDF: 29.8/30

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

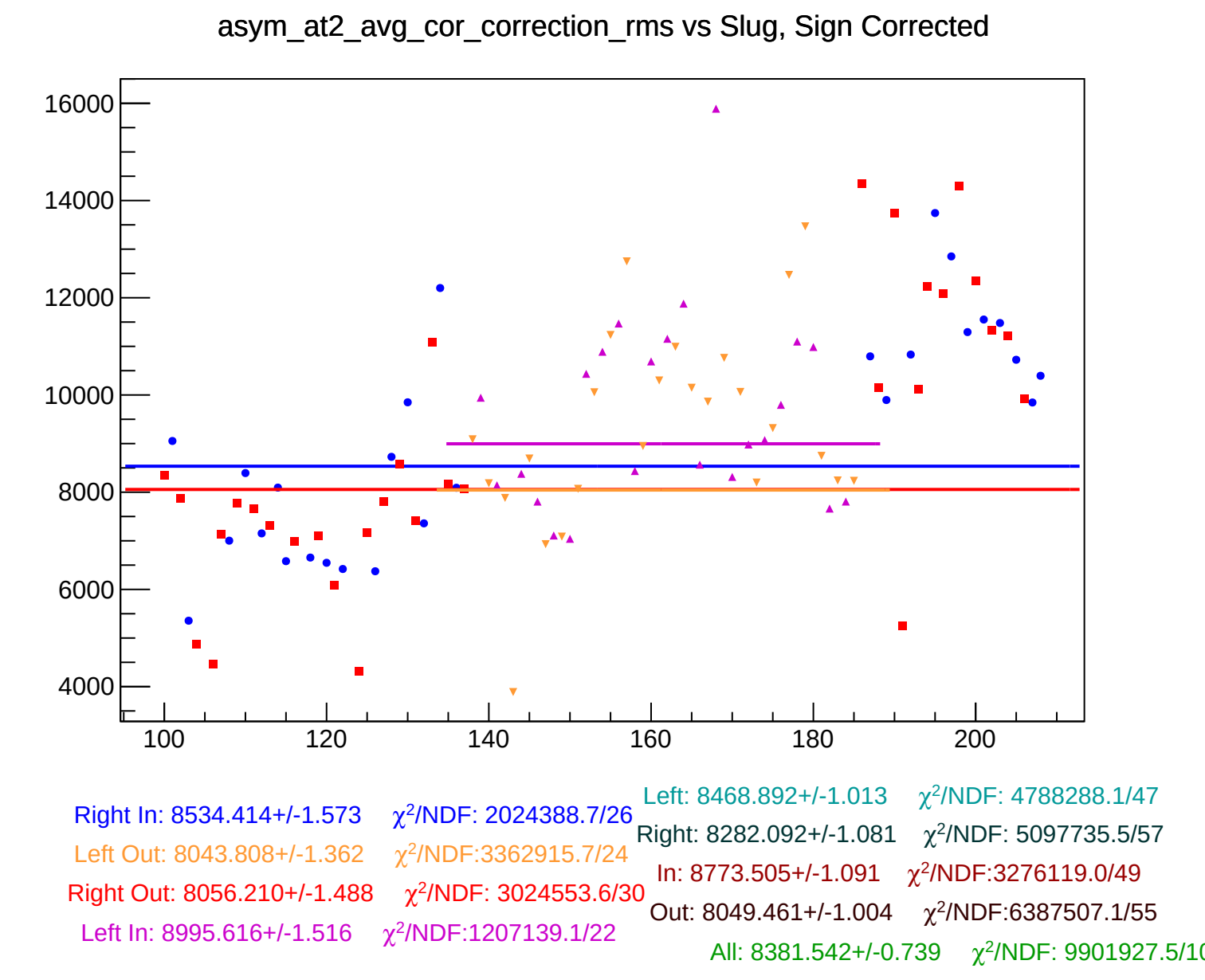
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

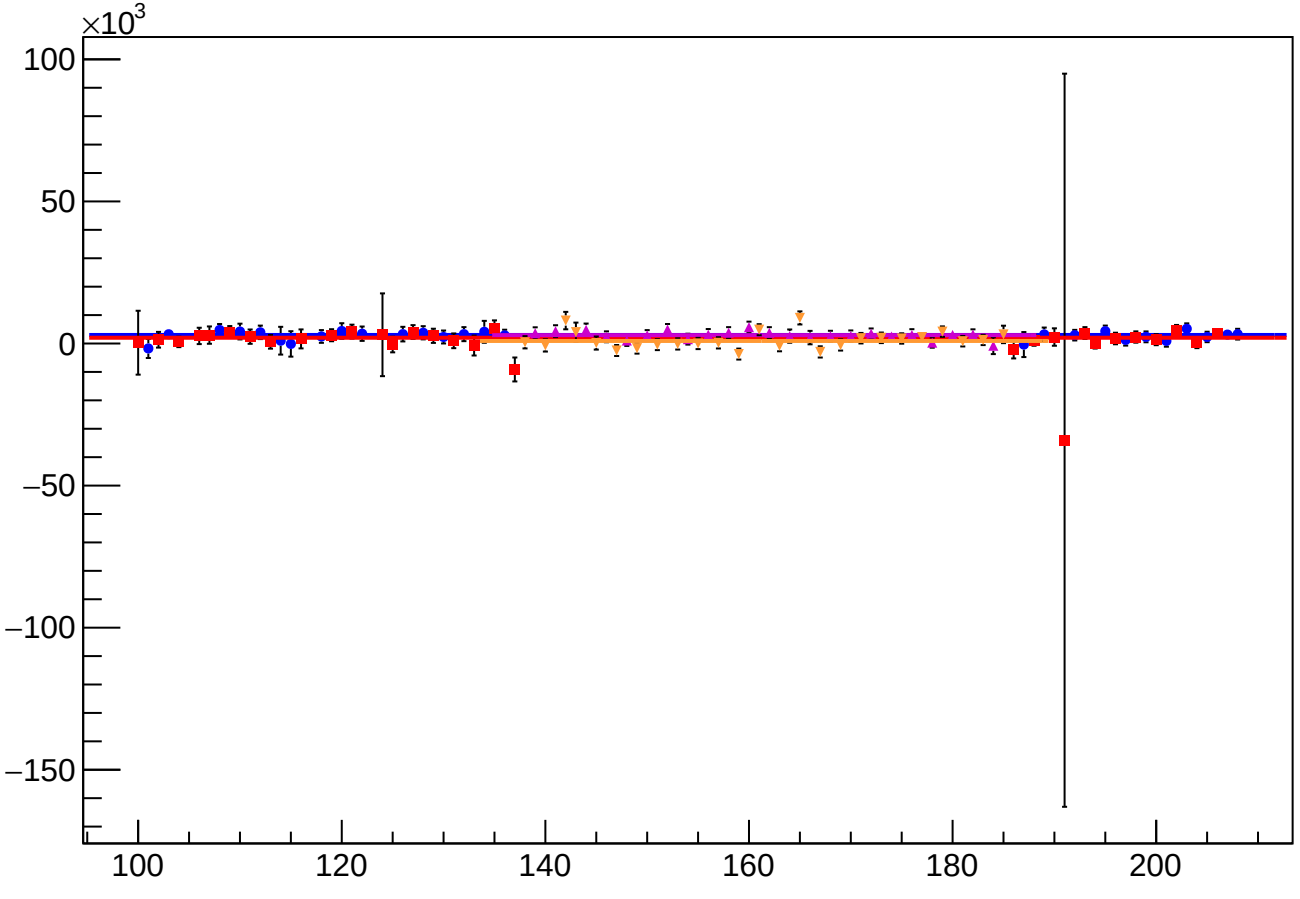
Right: -2097.851+/-1528.457 χ^2/NDF: 60.2/57

In: -168.857+/-1543.325 χ^2/NDF:42.8/49

Out: -1978.524+/-1420.550 χ^2/NDF:60.7/55

All: -1148.525+/-1045.194 χ^2/NDF: 104.2/10


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8534.414+/-1.573 χ²/NDF: 2024388.7/26
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8056.210+/-1.488 χ²/NDF: 3024553.6/30
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8282.092+/-1.081 χ²/NDF: 5097735.5/57
In: 8773.505+/-1.091 χ²/NDF:3276119.0/49
Out: 8049.461+/-1.004 χ²/NDF:6387507.1/55
All: 8381.542+/-0.739 χ²/NDF: 9901927.5/10



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 2030.674+/-434.860 χ^2/NDF: 21.9/30

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

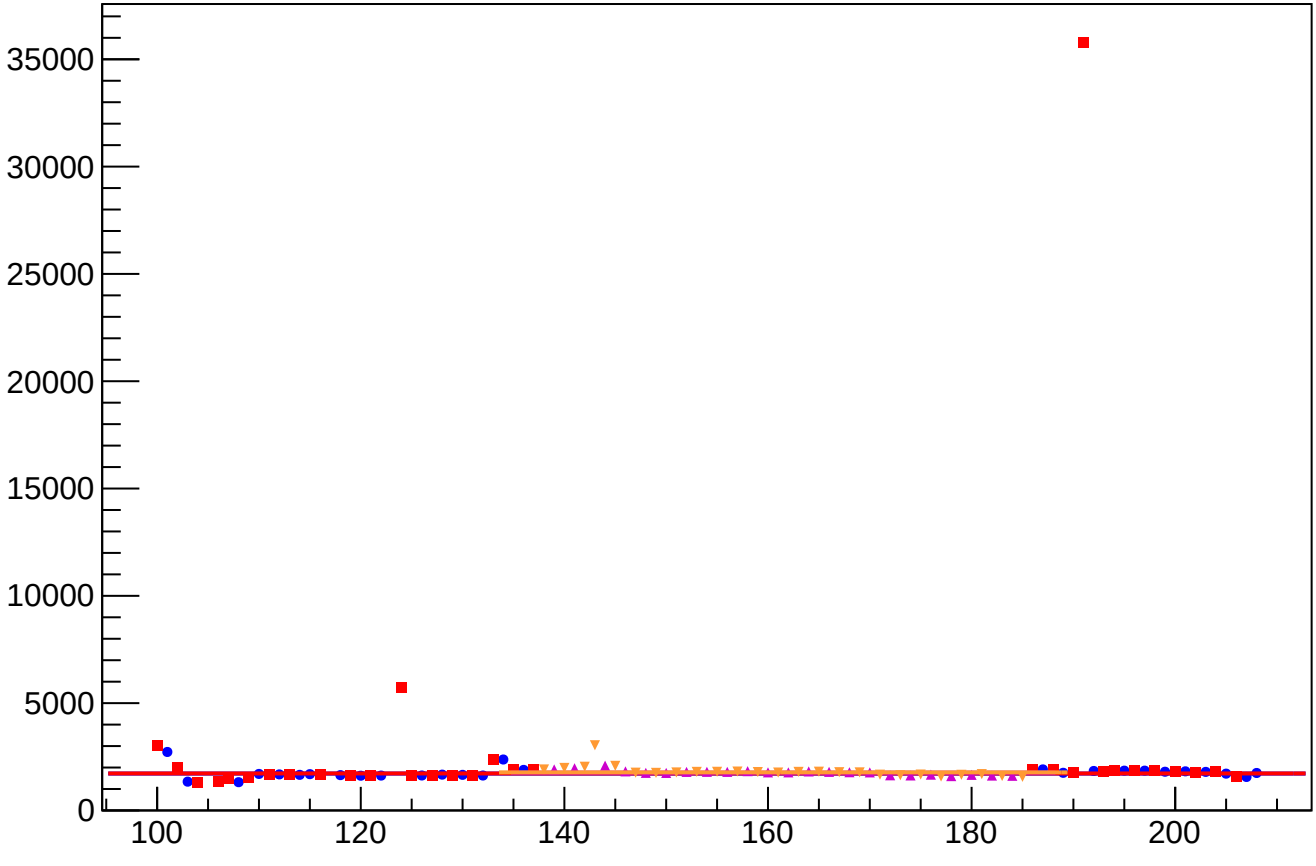
Right: 2518.314+/-307.739 χ^2/NDF: 33.3/57

In: 2973.565+/-299.337 χ^2/NDF:19.4/49

Out: 1425.319+/-296.584 χ^2/NDF:70.8/55

All: 2192.292+/-210.683 χ^2/NDF: 103.7/105

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

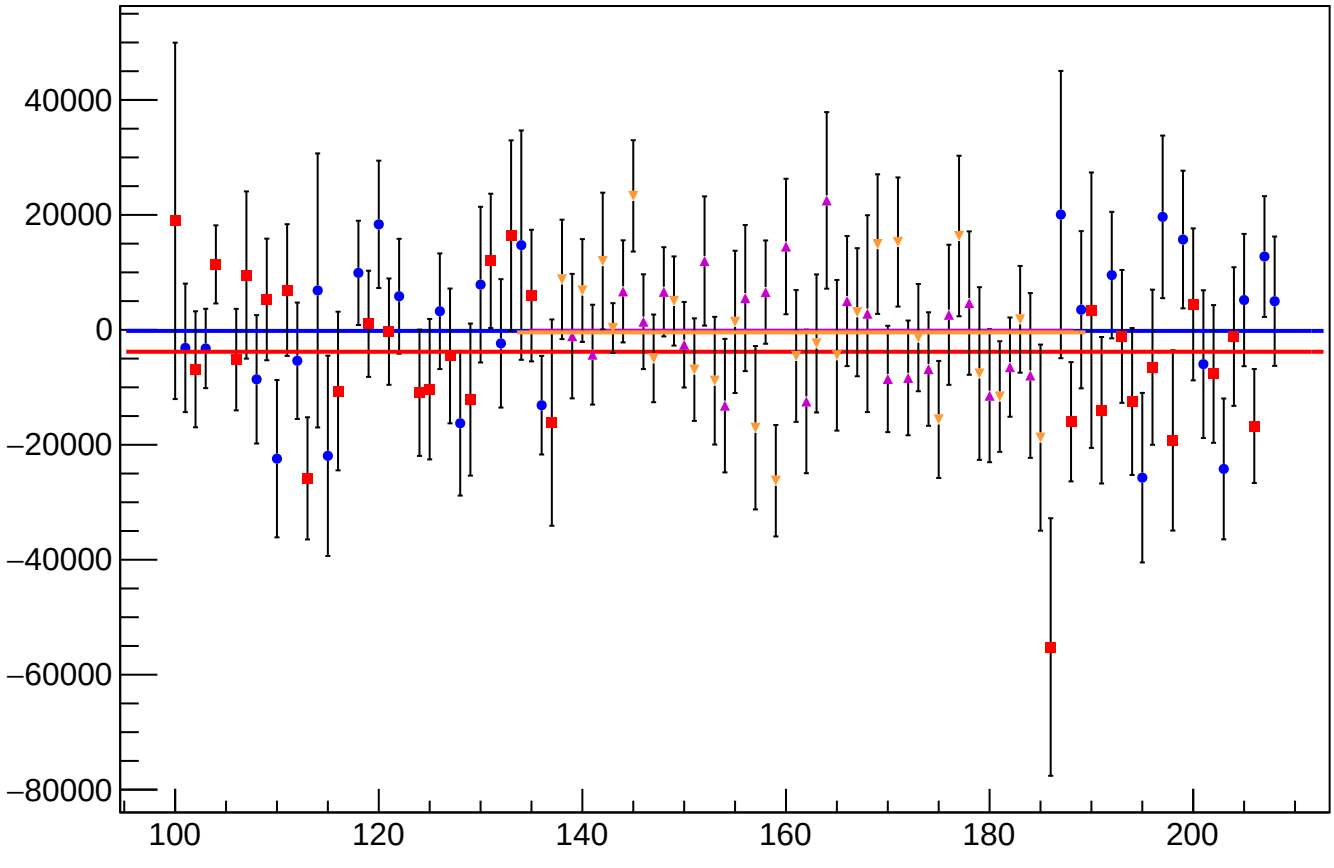
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1721.147+/-0.218 χ^2/NDF: 1186429.5/57

In: 1740.807+/-0.212 χ^2/NDF:650186.9/49

Out: 1751.197+/-0.210 χ^2/NDF:1153952.7/55

All: 1746.050+/-0.149 χ^2/NDF: 1805355.6/10



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3811.600+/-2104.180 χ^2/NDF: 29.8/30

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

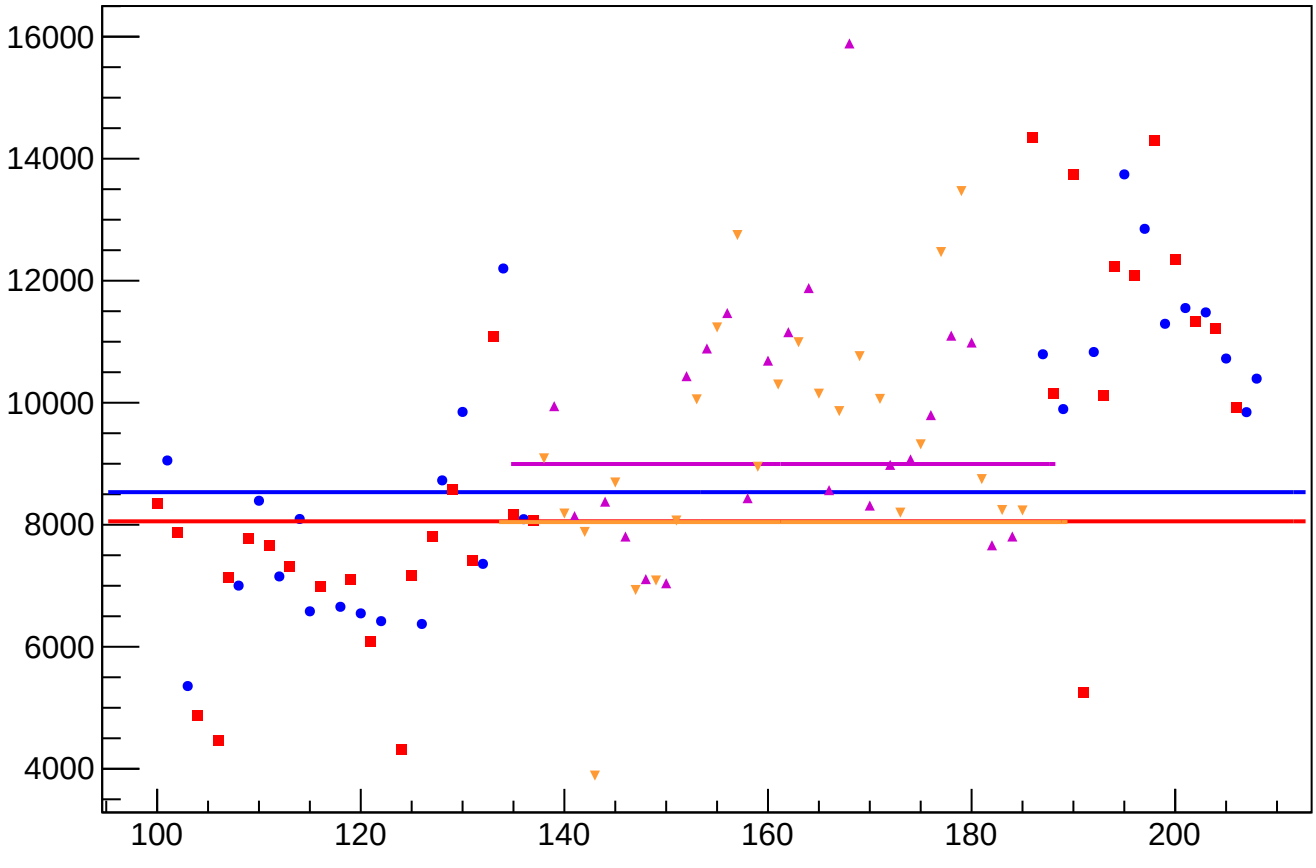
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2097.851+/-1528.457 χ^2/NDF: 60.2/57

In: -168.857+/-1543.325 χ^2/NDF:42.8/49

Out: -1978.524+/-1420.550 χ^2/NDF:60.7/55

All: -1148.525+/-1045.194 χ^2/NDF: 104.2/10



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8056.210+/-1.488 χ^2/NDF: 3024553.6/30

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

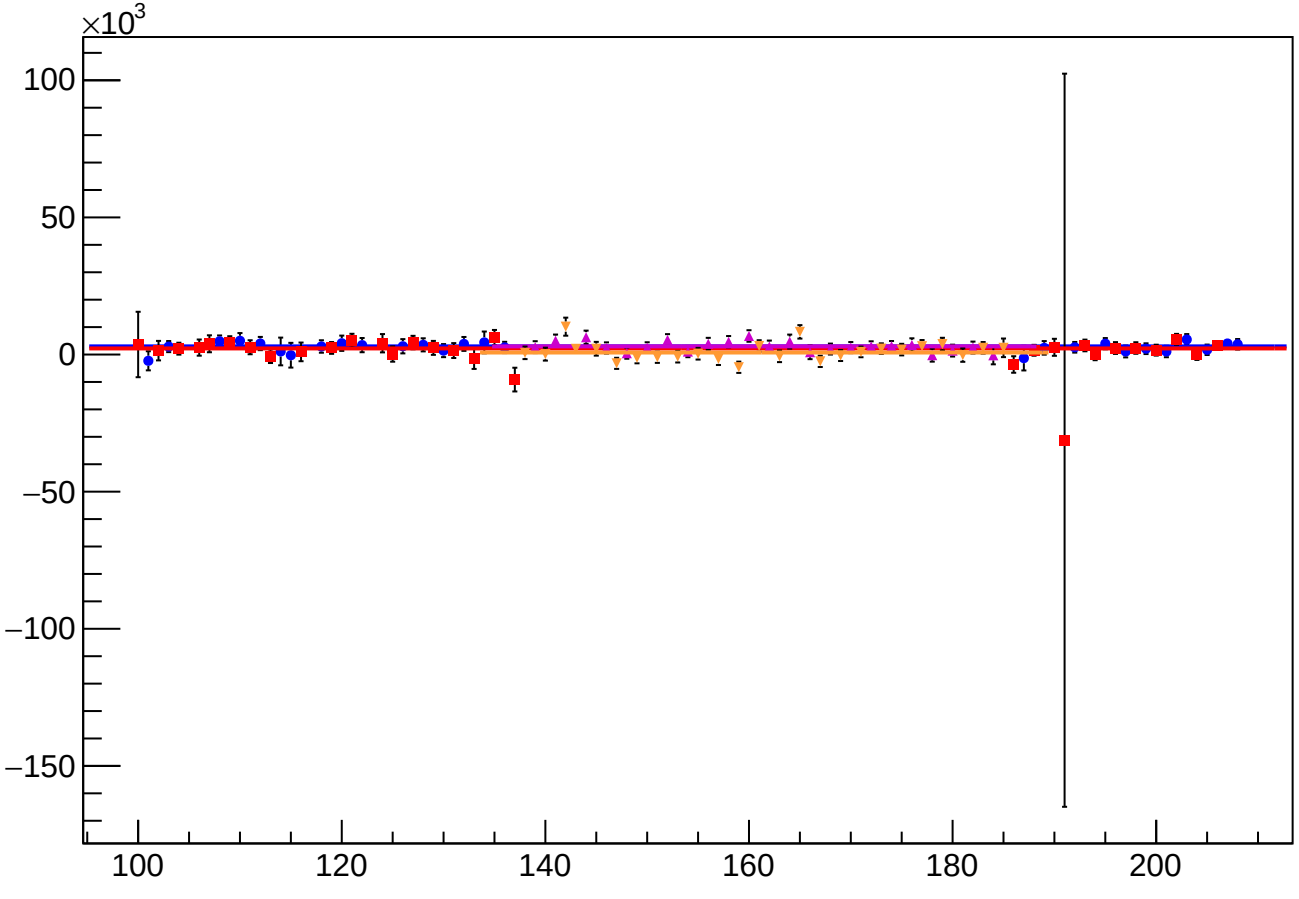
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8282.092+/-1.081 χ^2/NDF: 5097735.5/57

In: 8773.505+/-1.091 χ^2/NDF:3276119.0/49

Out: 8049.461+/-1.004 χ^2/NDF:6387507.1/55

All: 8381.542+/-0.739 χ^2/NDF: 9901927.5/10



Right In: 2975.402+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2224.222+/-448.148 χ^2/NDF: 26.3/30

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

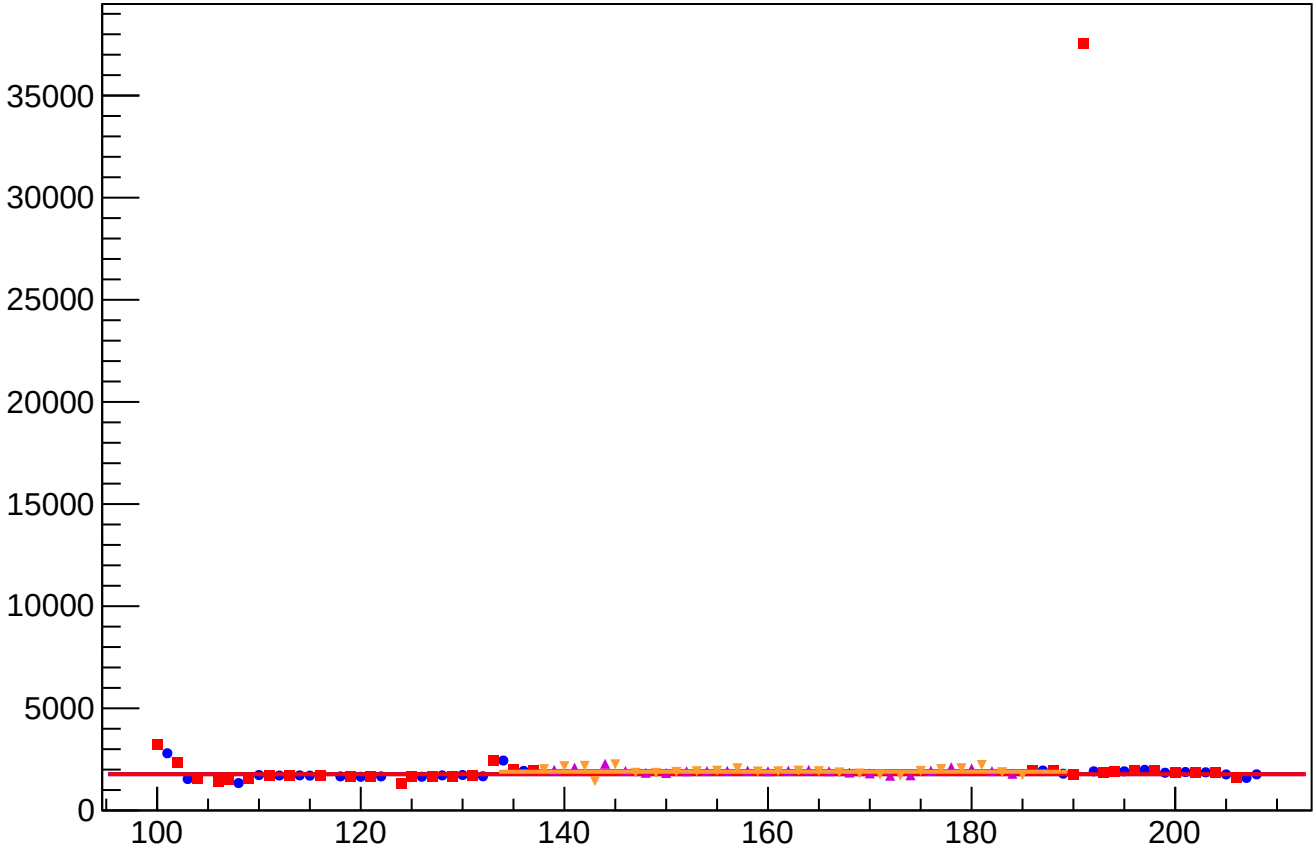
Right: 2597.821+/-317.727 χ^2/NDF: 38.5/57

In: 2977.314+/-318.504 χ^2/NDF:26.5/49

Out: 1455.892+/-311.349 χ^2/NDF:73.6/55

All: 2199.324+/-222.644 χ^2/NDF: 111.7/105

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.4/26

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562376.9/30

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

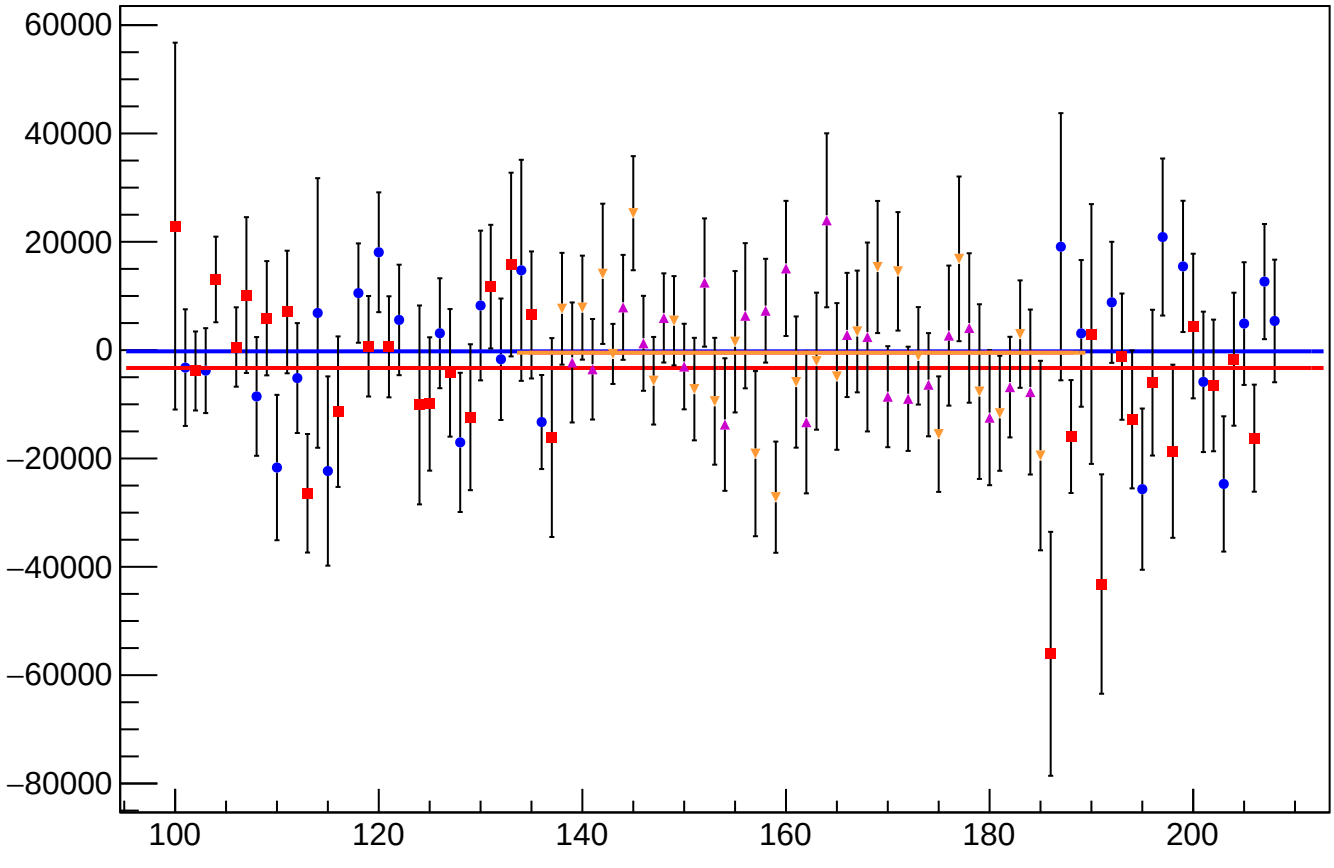
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1776.114+/-0.225 χ^2/NDF: 1017796.2/57

In: 1850.275+/-0.225 χ^2/NDF:710835.0/49

Out: 1836.806+/-0.220 χ^2/NDF:1005025.7/55

All: 1843.387+/-0.157 χ^2/NDF: 1717689.7/10



Right In: -220.566+/-2260.374 χ^2/NDF: 28.8/26

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -3293.662+/-2113.514 χ^2/NDF: 32.5/30

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

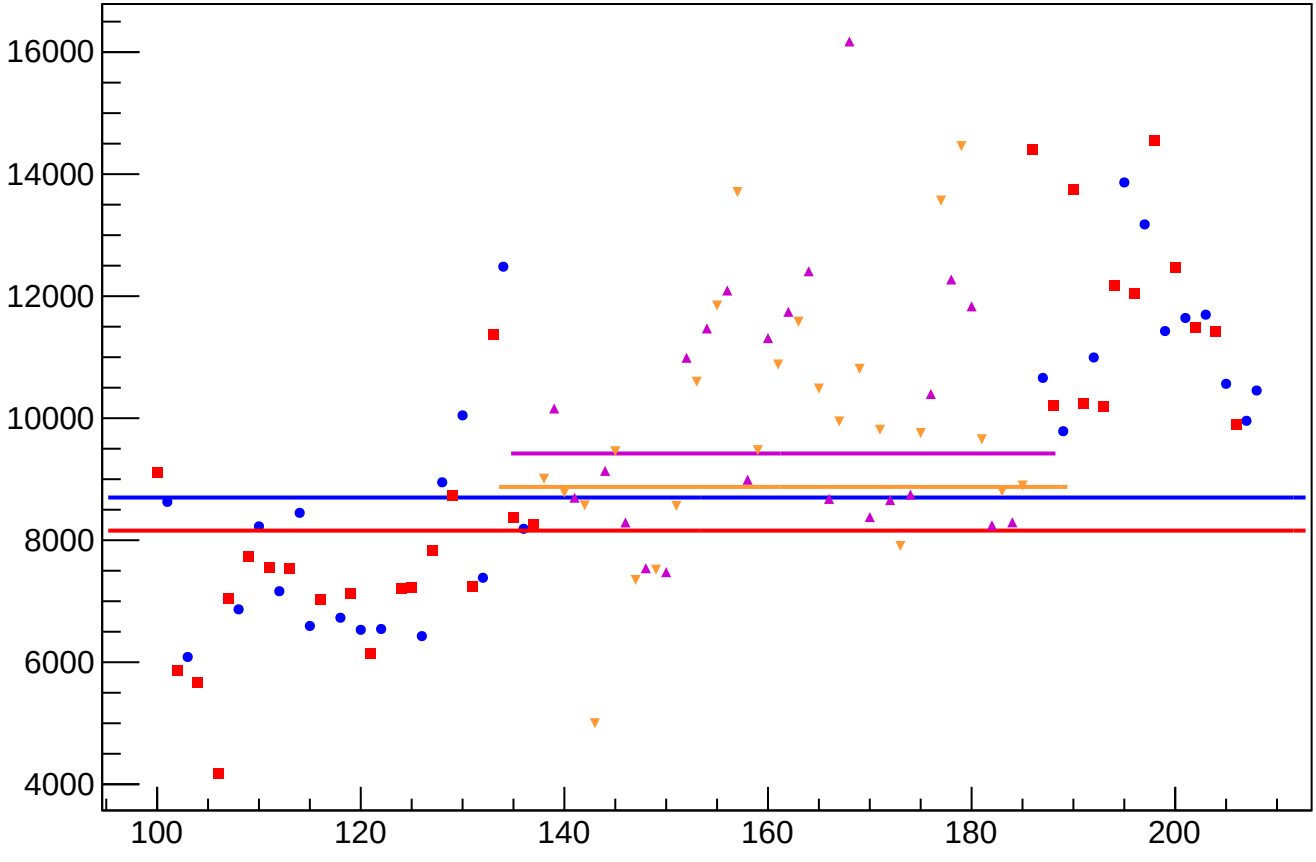
Right: -1860.181+/-1543.790 χ^2/NDF: 62.2/57

In: -329.370+/-1592.927 χ^2/NDF:42.3/49

Out: -1870.242+/-1485.822 χ^2/NDF:62.2/55

All: -1153.346+/-1086.527 χ^2/NDF: 105.0/10

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8699.986+/-1.598 χ^2/NDF: 1829052.6/26

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8157.543+/-1.494 χ^2/NDF: 2925484.2/30

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

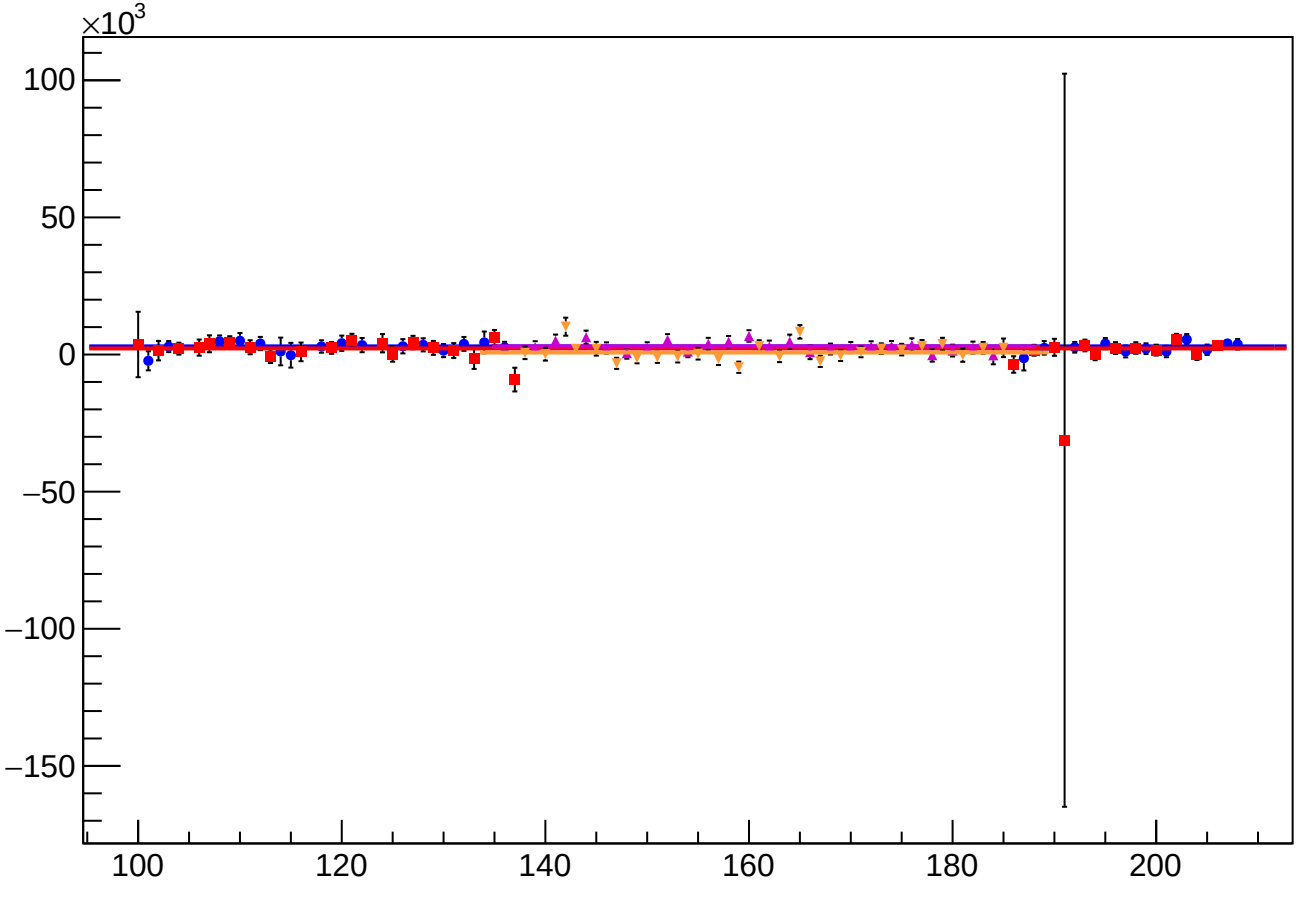
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8410.572+/-1.092 χ^2/NDF: 4815989.8/57

In: 9063.280+/-1.126 χ^2/NDF:3136536.3/49

Out: 8519.704+/-1.051 χ^2/NDF:5244842.5/55

All: 8772.605+/-0.768 χ^2/NDF: 8505918.4/10



Right In: 2975.399+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2224.220+/-448.148 χ^2/NDF: 26.3/30

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

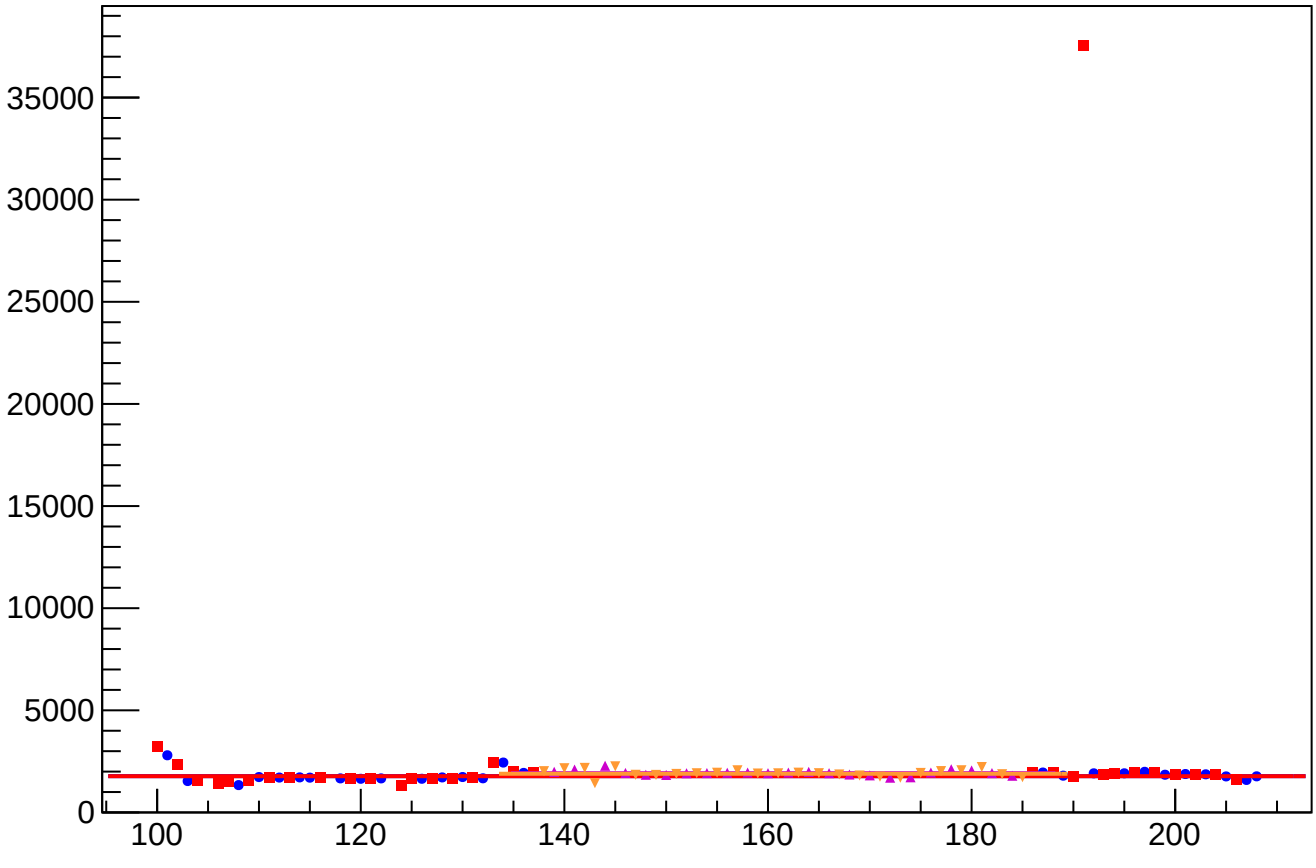
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2597.819+/-317.727 χ^2/NDF: 38.5/57

In: 2977.313+/-318.504 χ^2/NDF:26.5/49

Out: 1455.886+/-311.350 χ^2/NDF:73.6/55

All: 2199.321+/-222.644 χ^2/NDF: 111.7/105



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.7/26

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562378.7/30

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

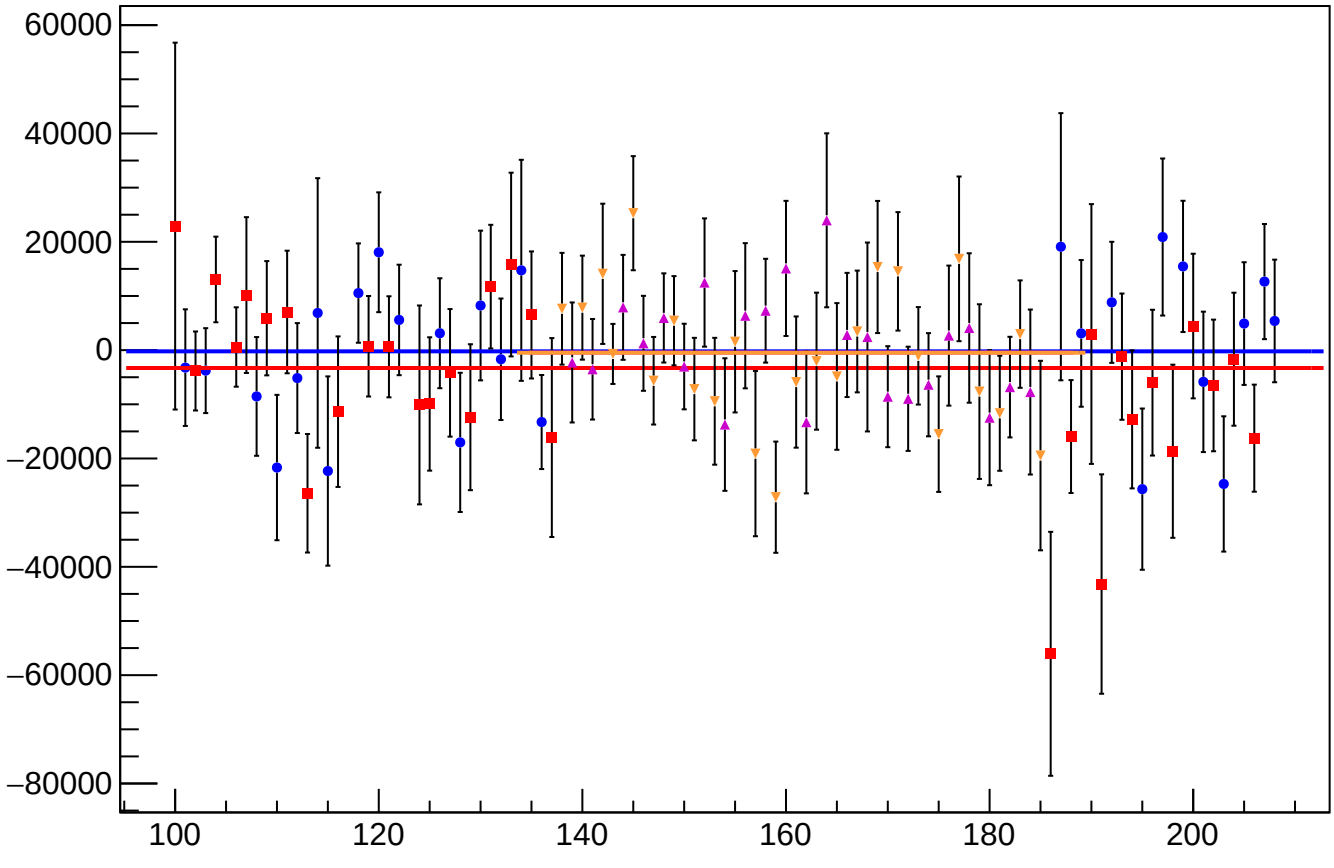
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1776.114+/-0.225 χ^2/NDF: 1017798.3/57

In: 1850.276+/-0.225 χ^2/NDF:710847.5/49

Out: 1836.808+/-0.220 χ^2/NDF:1005038.7/55

All: 1843.388+/-0.157 χ^2/NDF: 1717715.1/10



Right In: -220.558+/-2260.372 χ^2/NDF: 28.8/26

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -3293.647+/-2113.512 χ^2/NDF: 32.5/30

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

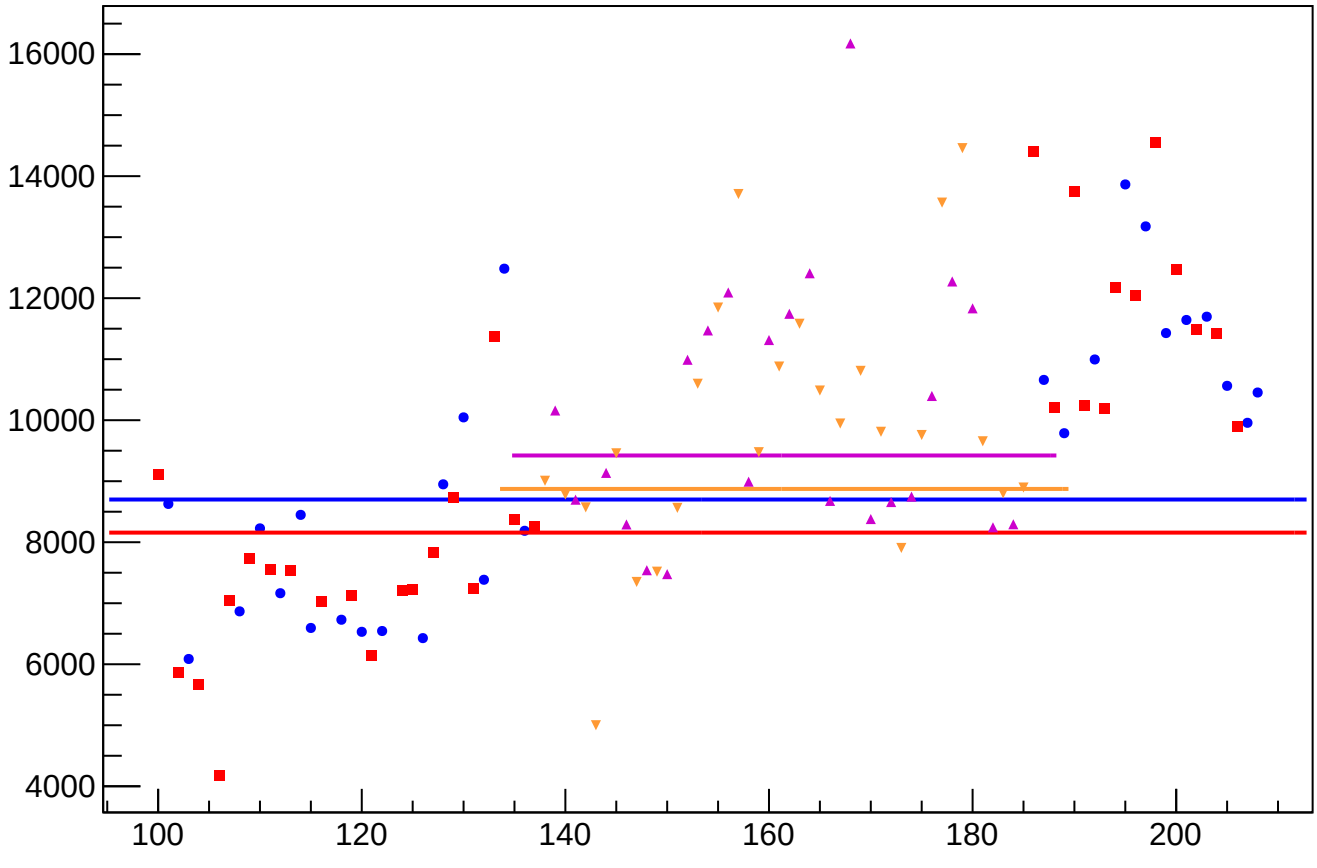
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1860.170+/-1543.788 χ^2/NDF: 62.2/57

In: -329.368+/-1592.927 χ^2/NDF:42.3/49

Out: -1870.242+/-1485.822 χ^2/NDF:62.2/55

All: -1153.345+/-1086.528 χ^2/NDF: 105.0/10



Right In: 8699.975+/-1.598 χ^2/NDF: 1829079.3/26

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8157.531+/-1.494 χ^2/NDF: 2925506.7/30

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

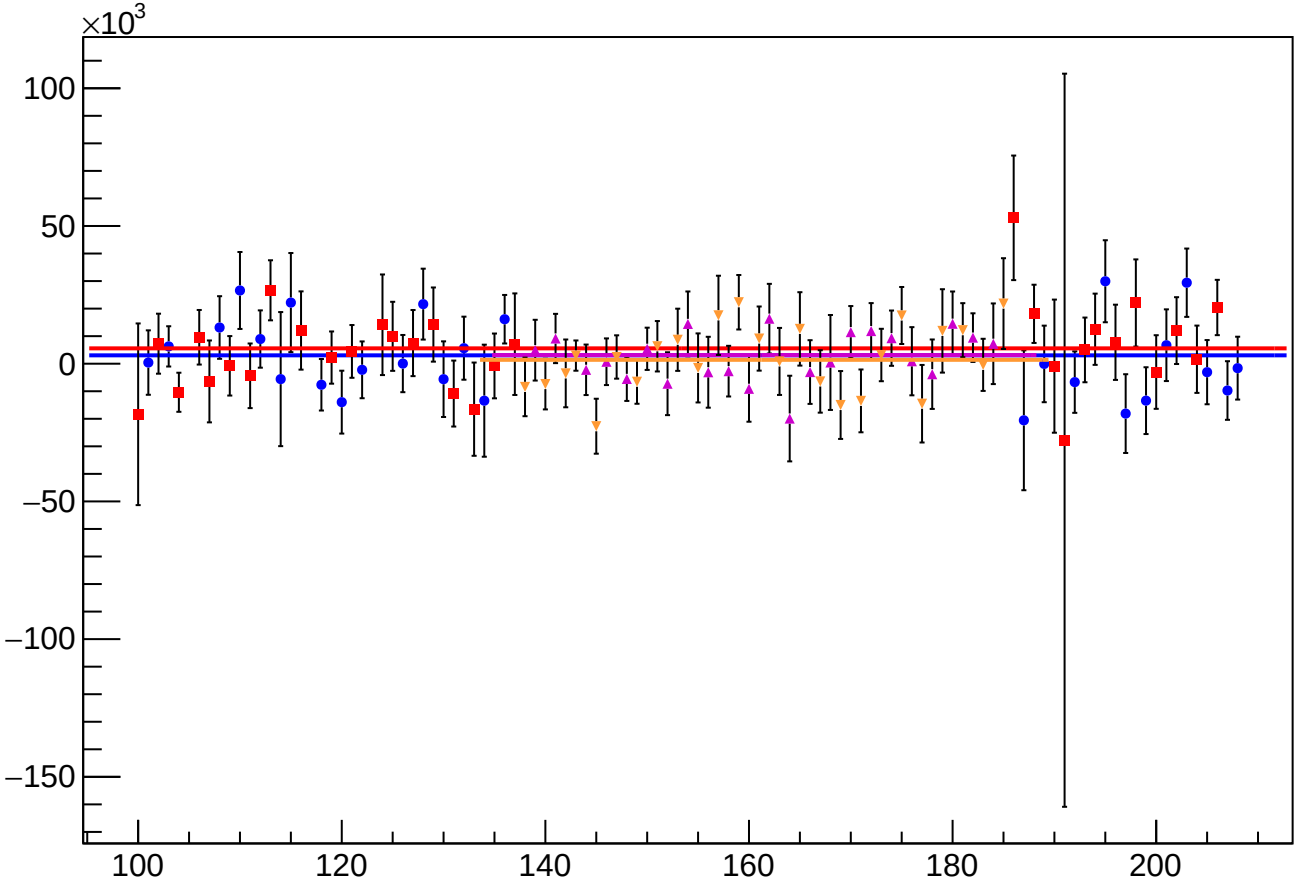
Right: 8410.560+/-1.092 χ^2/NDF: 4816039.3/57

In: 9063.281+/-1.126 χ^2/NDF:3136574.0/49

Out: 8519.705+/-1.051 χ^2/NDF:5244875.0/55

All: 8772.606+/-0.768 χ^2/NDF: 8505988.7/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3035.911+/-2281.072 χ^2/NDF: 30.2/26

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 5571.199+/-2225.521 χ^2/NDF: 26.5/30

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

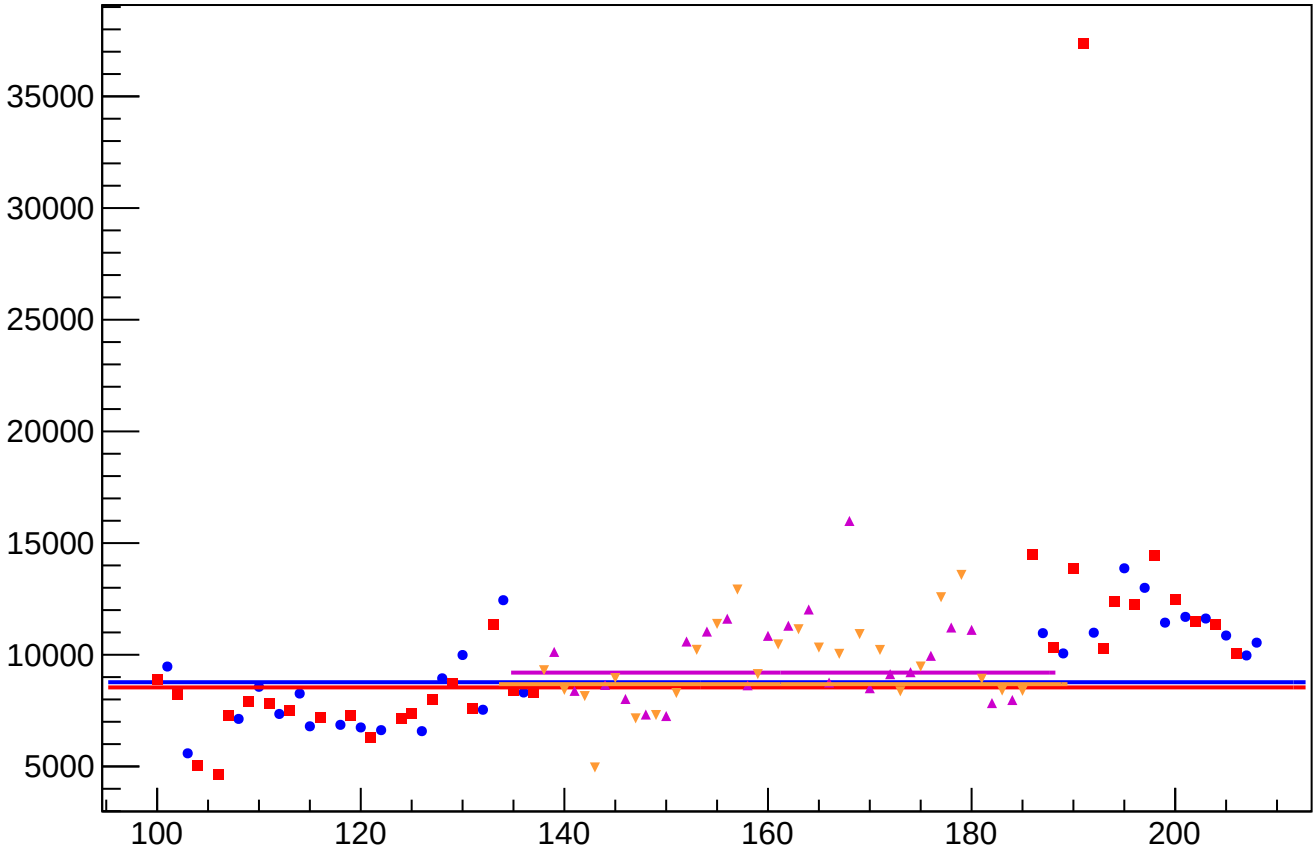
Right: 4334.802+/-1592.958 χ^2/NDF: 57.4/57

In: 3089.704+/-1579.578 χ^2/NDF:43.1/49

Out: 3308.949+/-1503.778 χ^2/NDF:55.9/55

All: 3204.713+/-1089.143 χ^2/NDF: 99.0/105

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8771.031+/-1.613 χ^2/NDF: 1884533.8/26

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8538.675+/-1.574 χ^2/NDF: 2581740.0/30

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

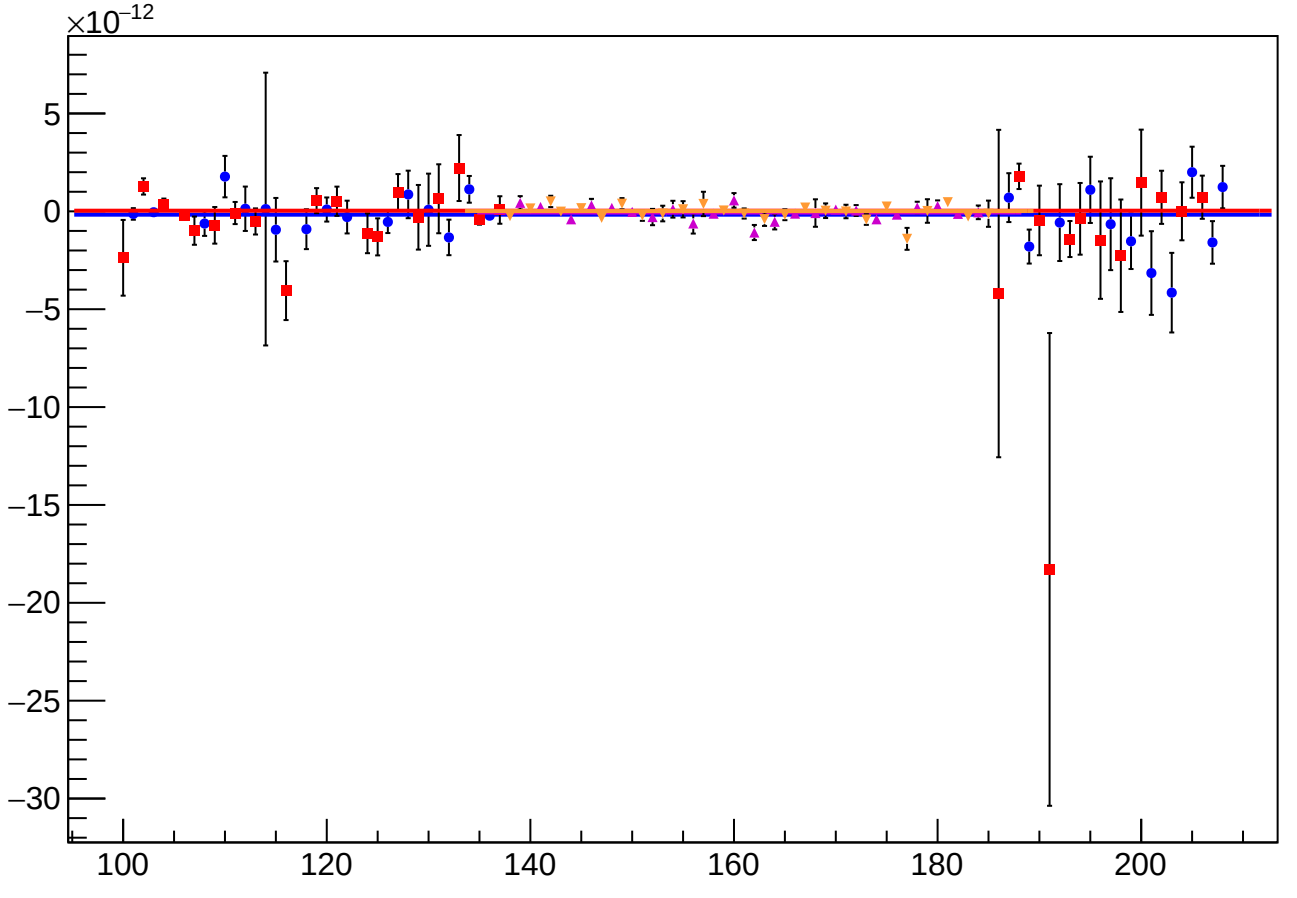
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8651.983+/-1.126 χ^2/NDF: 4476906.2/57

In: 8994.715+/-1.117 χ^2/NDF:3050905.9/49

Out: 8617.944+/-1.063 χ^2/NDF:4638032.0/55

All: 8797.068+/-0.770 χ^2/NDF: 7748630.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.2/30

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

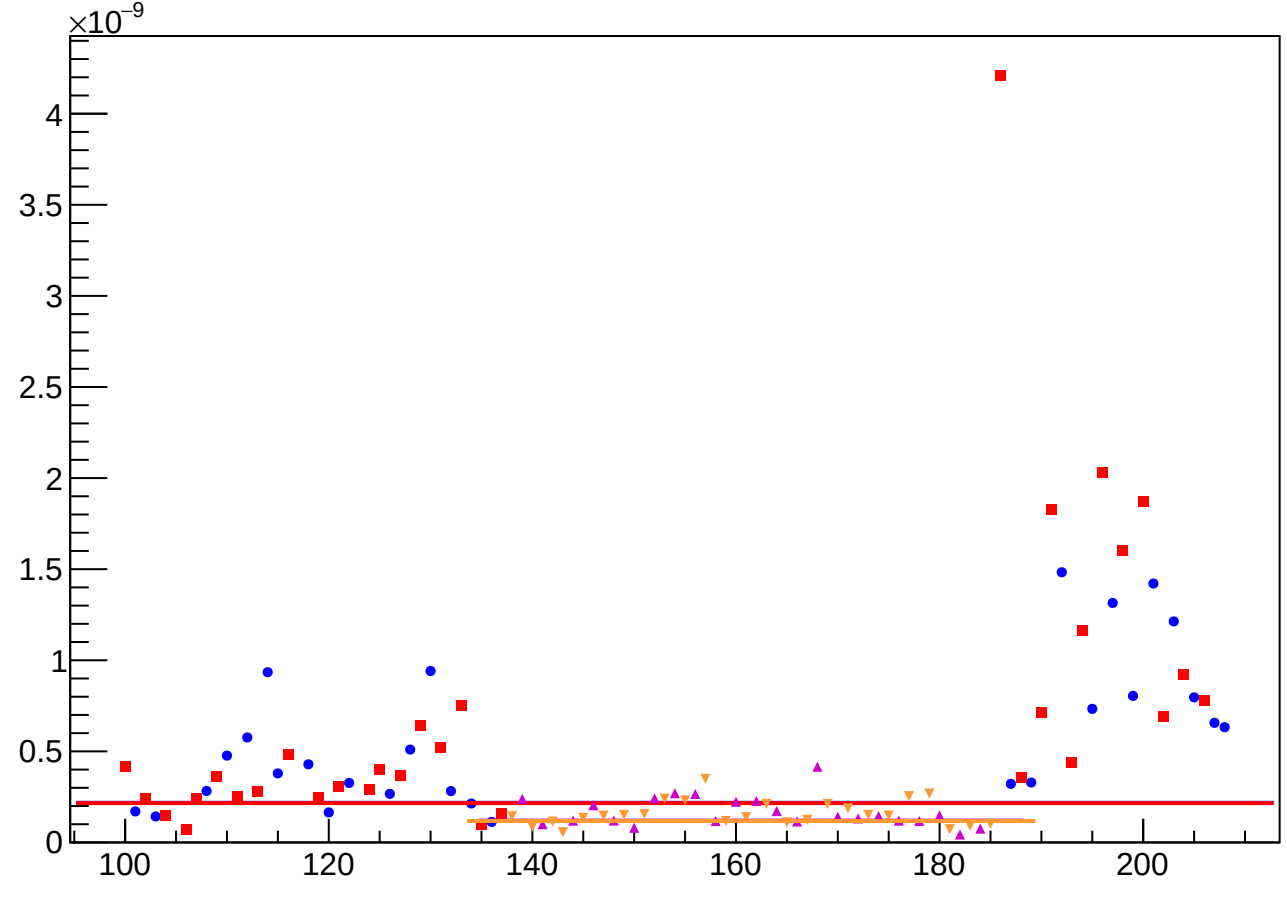
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 77.9/57

In: -0.000+/-0.000 χ^2/NDF:57.7/49

Out: 0.000+/-0.000 χ^2/NDF:76.0/55

All: -0.000+/-0.000 χ^2/NDF: 135.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 5722162.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436165.6/30

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

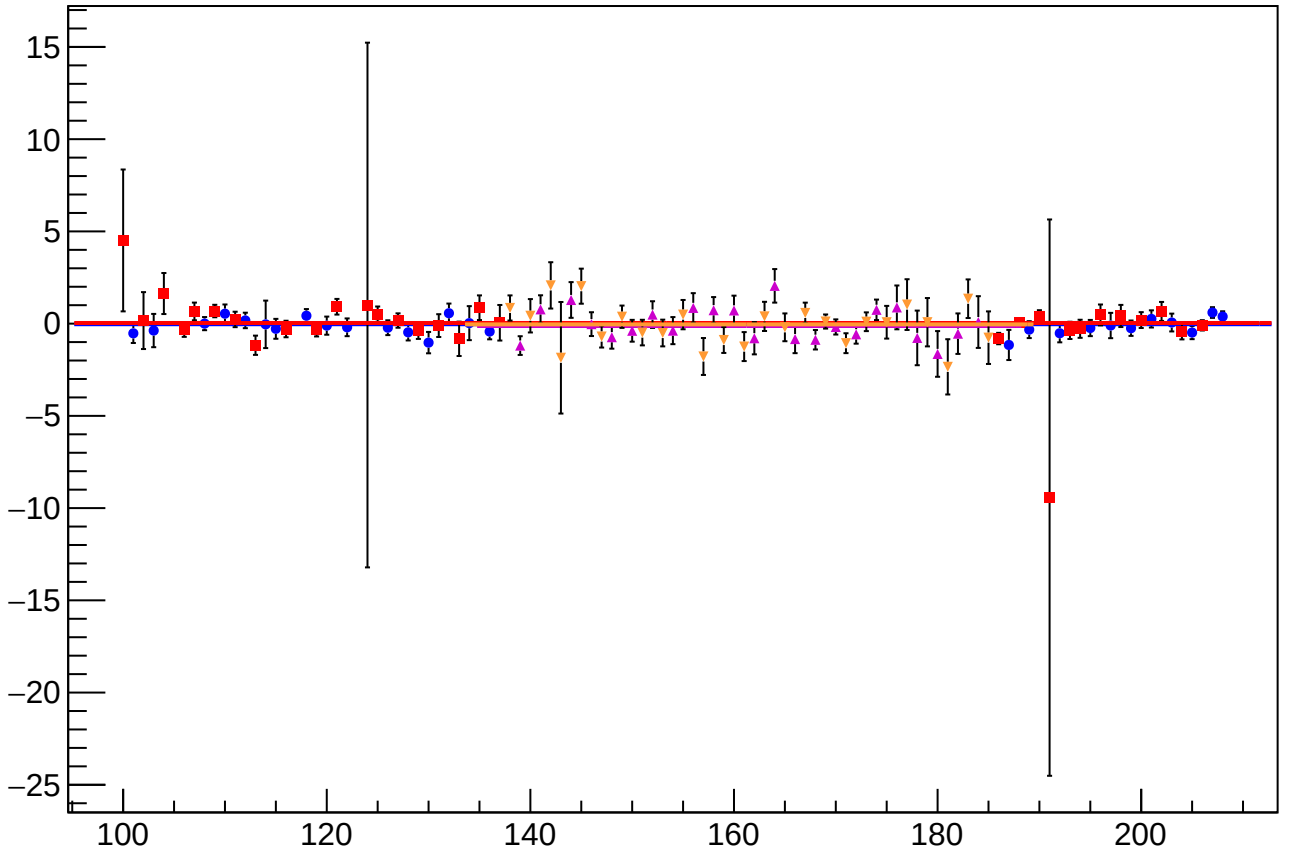
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12158501.5/57

In: 0.000+/-0.000 χ^2/NDF:9582227.7/49

Out: 0.000+/-0.000 χ^2/NDF:9966337.8/55

All: 0.000+/-0.000 χ^2/NDF: 19556845.5/105



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

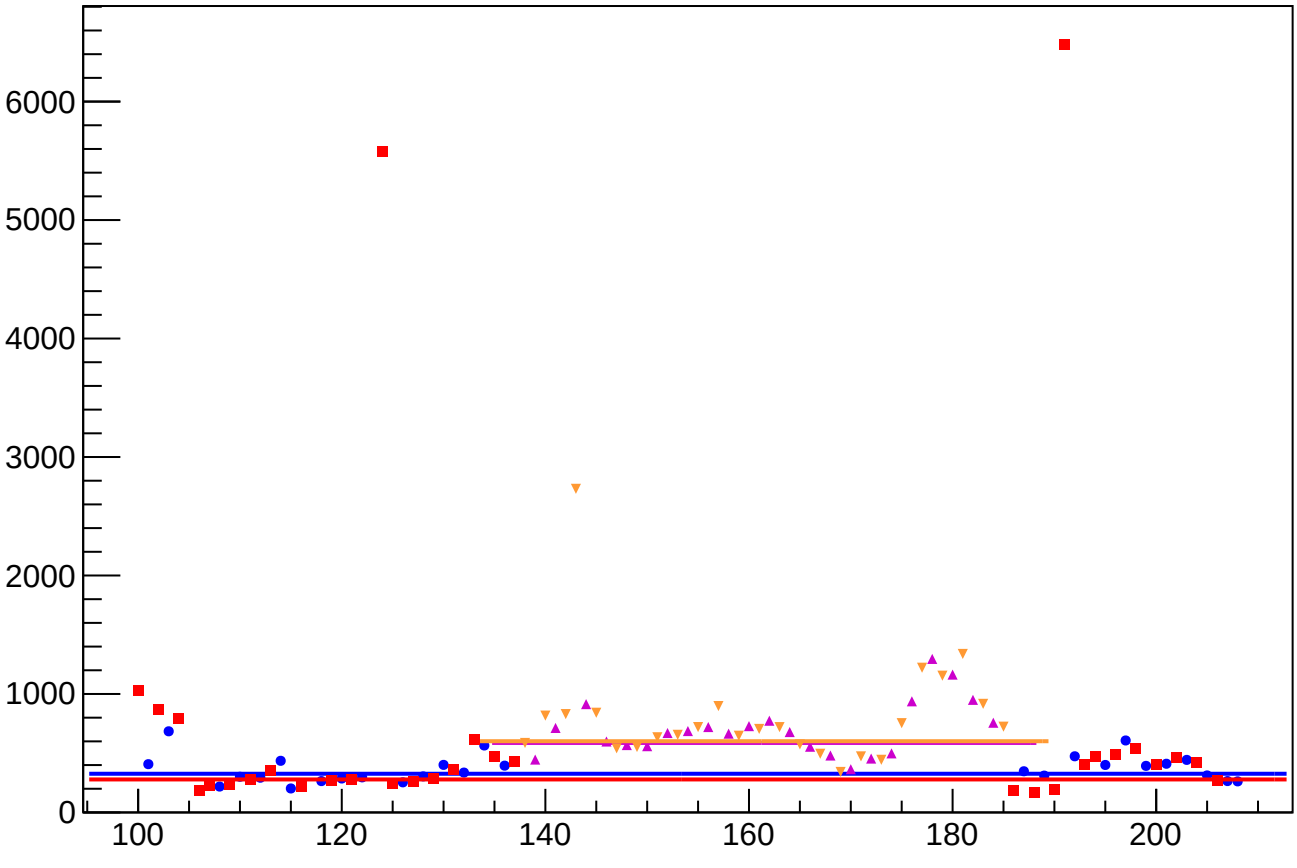
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.006+/-0.058 χ^2/NDF: 63.6/57

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.016+/-0.051 χ^2/NDF: 123.6/105



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

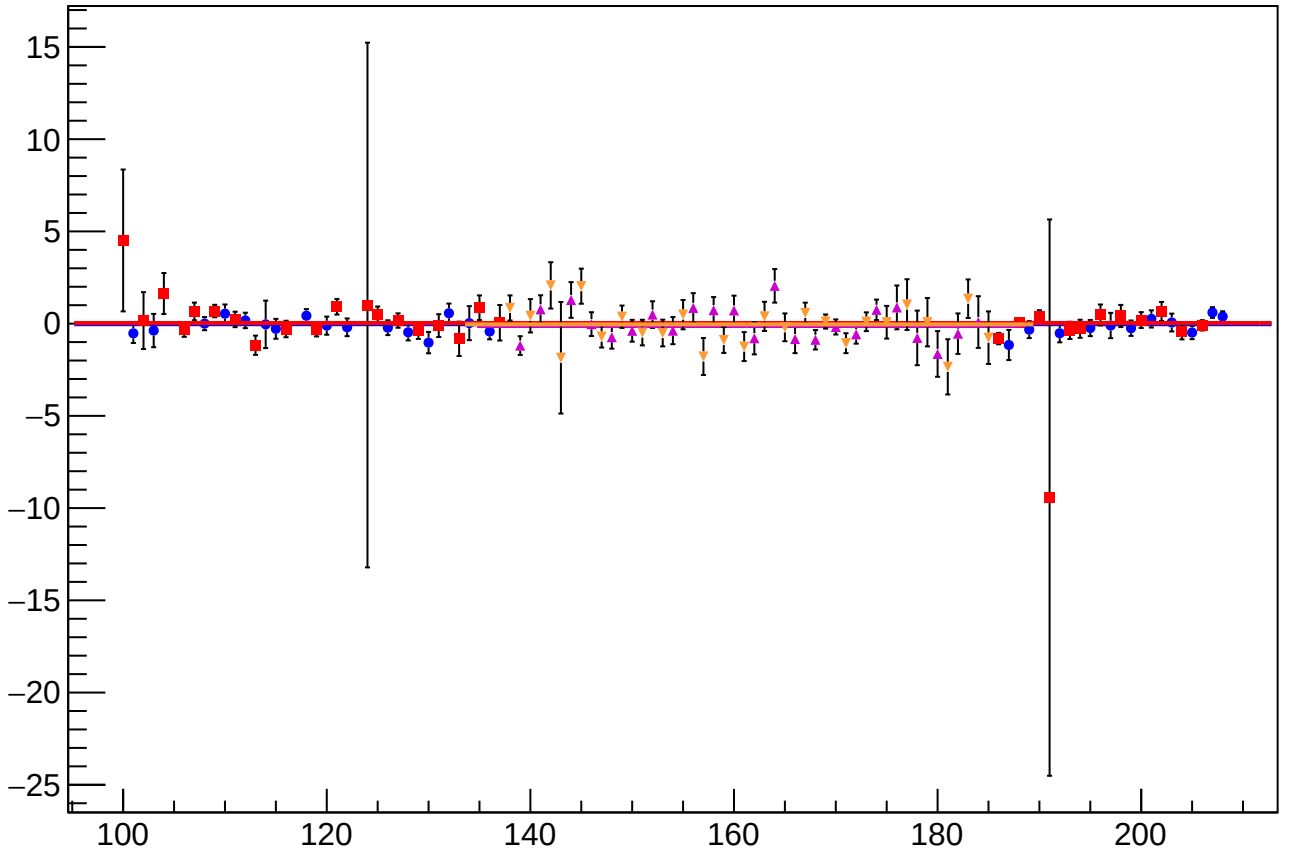
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 300.017+/-0.041 χ^2/NDF: 7378668.3/57

In: 395.565+/-0.053 χ^2/NDF:9714230.8/49

Out: 349.309+/-0.049 χ^2/NDF:16911727.6/55

All: 370.616+/-0.036 χ^2/NDF: 27039259.9/10



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

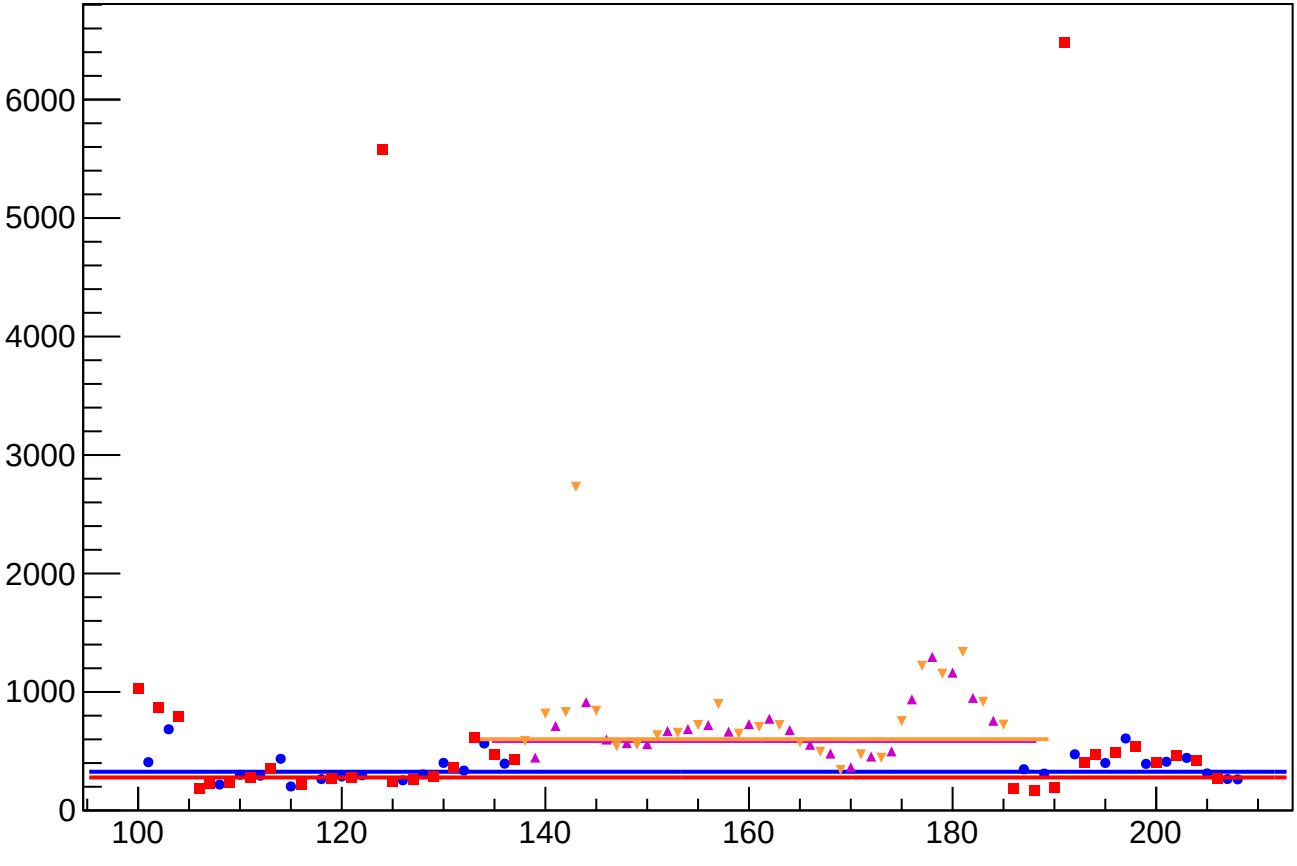
Right: 0.006+/-0.058 χ^2/NDF: 63.6/57

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.016+/-0.051 χ^2/NDF: 123.6/105

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

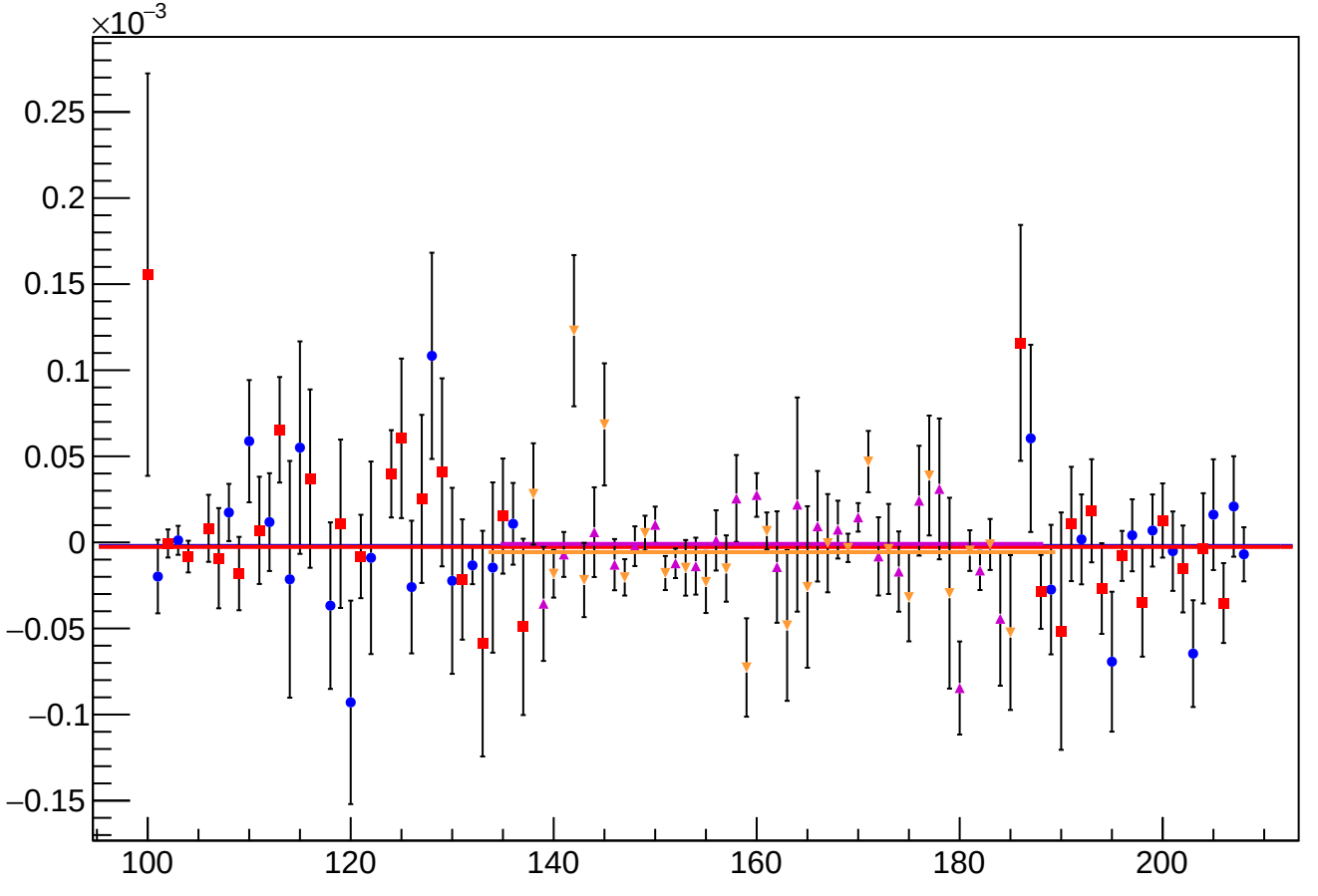
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 300.017+/-0.041 χ^2/NDF: 7378668.3/57

In: 395.565+/-0.053 χ^2/NDF:9714230.8/49

Out: 349.309+/-0.049 χ^2/NDF:16911727.6/55

All: 370.616+/-0.036 χ^2/NDF: 27039259.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/30

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

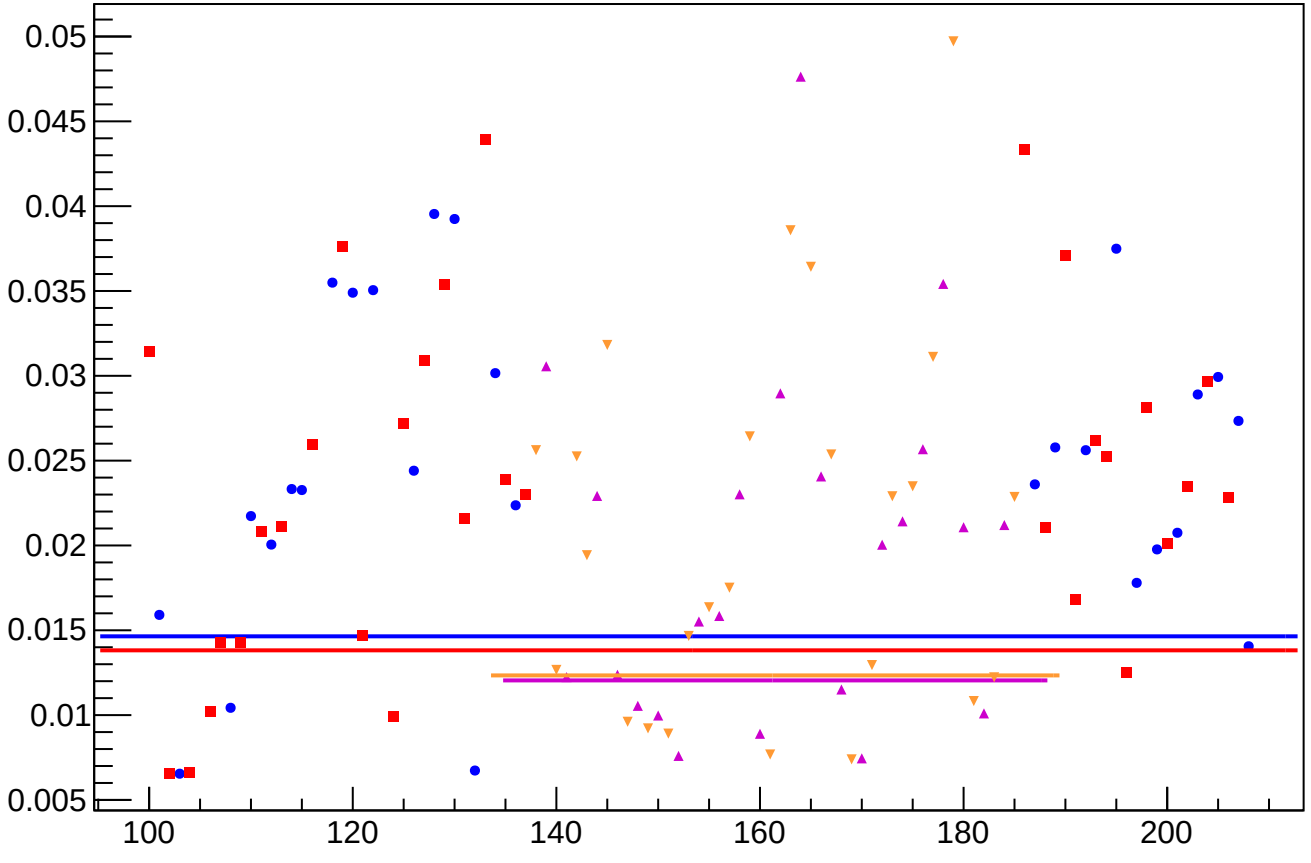
Right: -0.000+/-0.000 χ^2/NDF: 51.5/57

In: -0.000+/-0.000 χ^2/NDF:54.7/49

Out: -0.000+/-0.000 χ^2/NDF:70.0/55

All: -0.000+/-0.000 χ^2/NDF: 125.4/105

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 8203909.0/26

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8507051.0/30

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

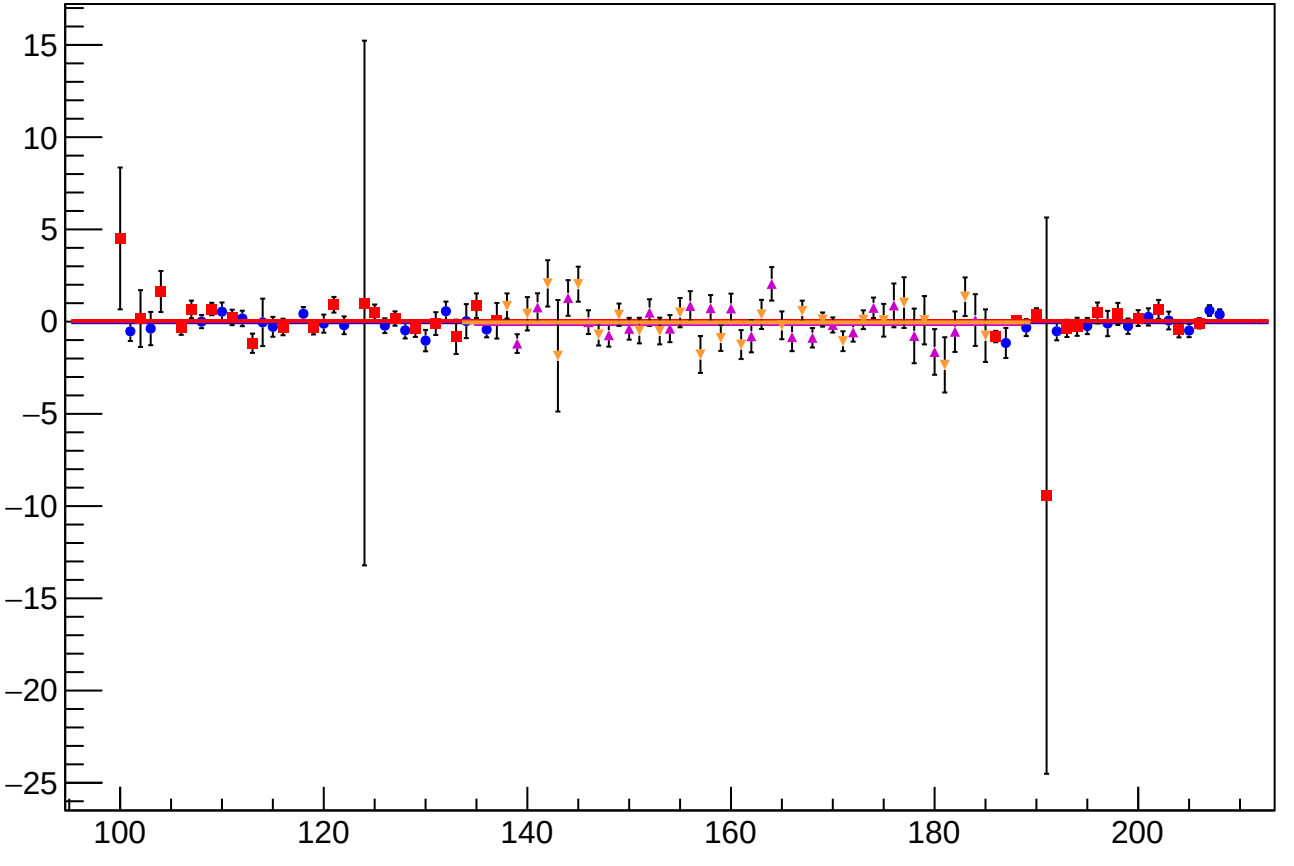
Right: 0.014+/-0.000 χ^2/NDF: 16749310.6/57

In: 0.013+/-0.000 χ^2/NDF:15034241.9/49

Out: 0.013+/-0.000 χ^2/NDF:16508314.3/55

All: 0.013+/-0.000 χ^2/NDF: 31543103.5/105

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

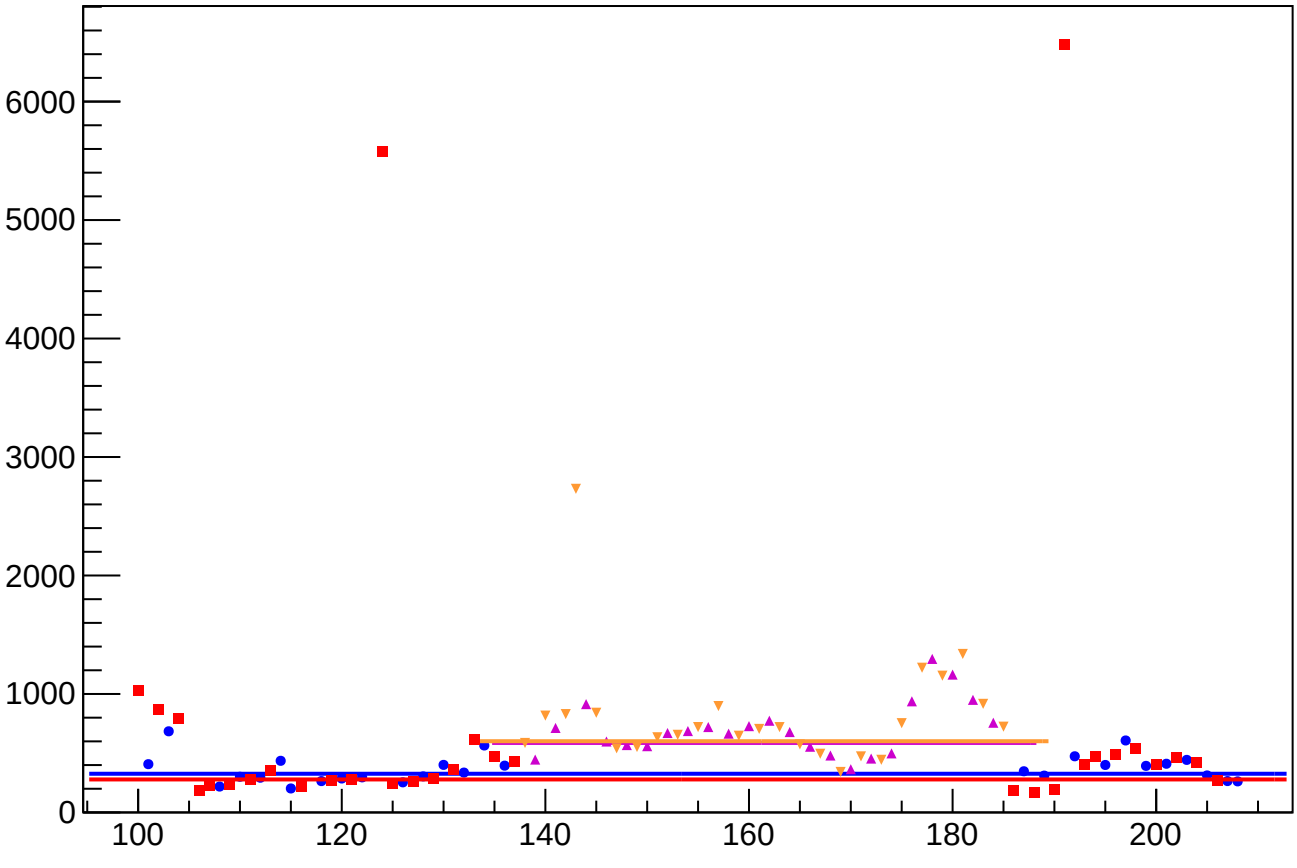
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.006+/-0.058 χ^2/NDF: 63.6/57

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.016+/-0.051 χ^2/NDF: 123.6/105



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

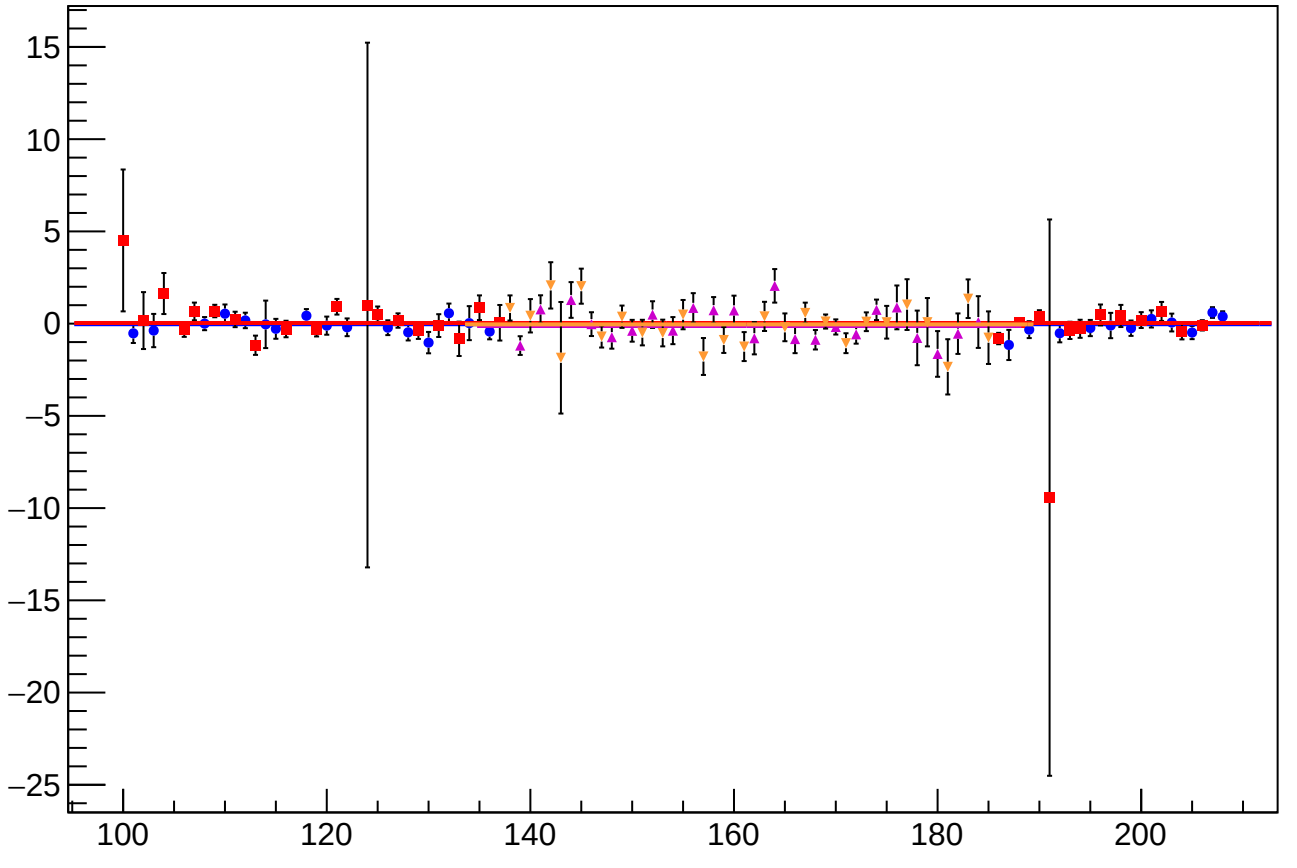
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 300.013+/-0.041 χ^2/NDF: 7379056.2/57

In: 395.565+/-0.053 χ^2/NDF:9714412.7/49

Out: 349.303+/-0.049 χ^2/NDF:16912561.6/55

All: 370.612+/-0.036 χ^2/NDF: 27040390.4/10



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

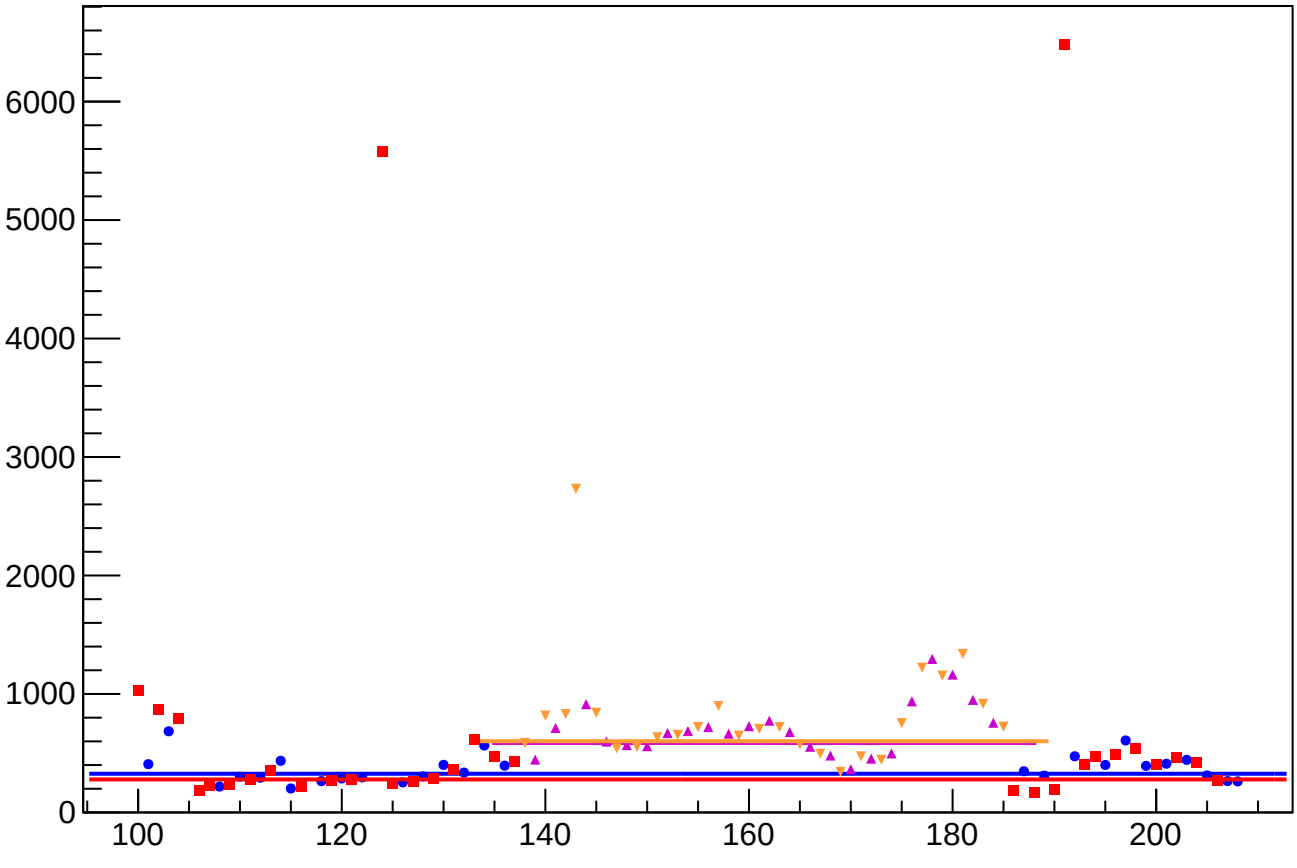
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.006+/-0.058 χ^2/NDF: 63.6/57

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.016+/-0.051 χ^2/NDF: 123.6/105



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

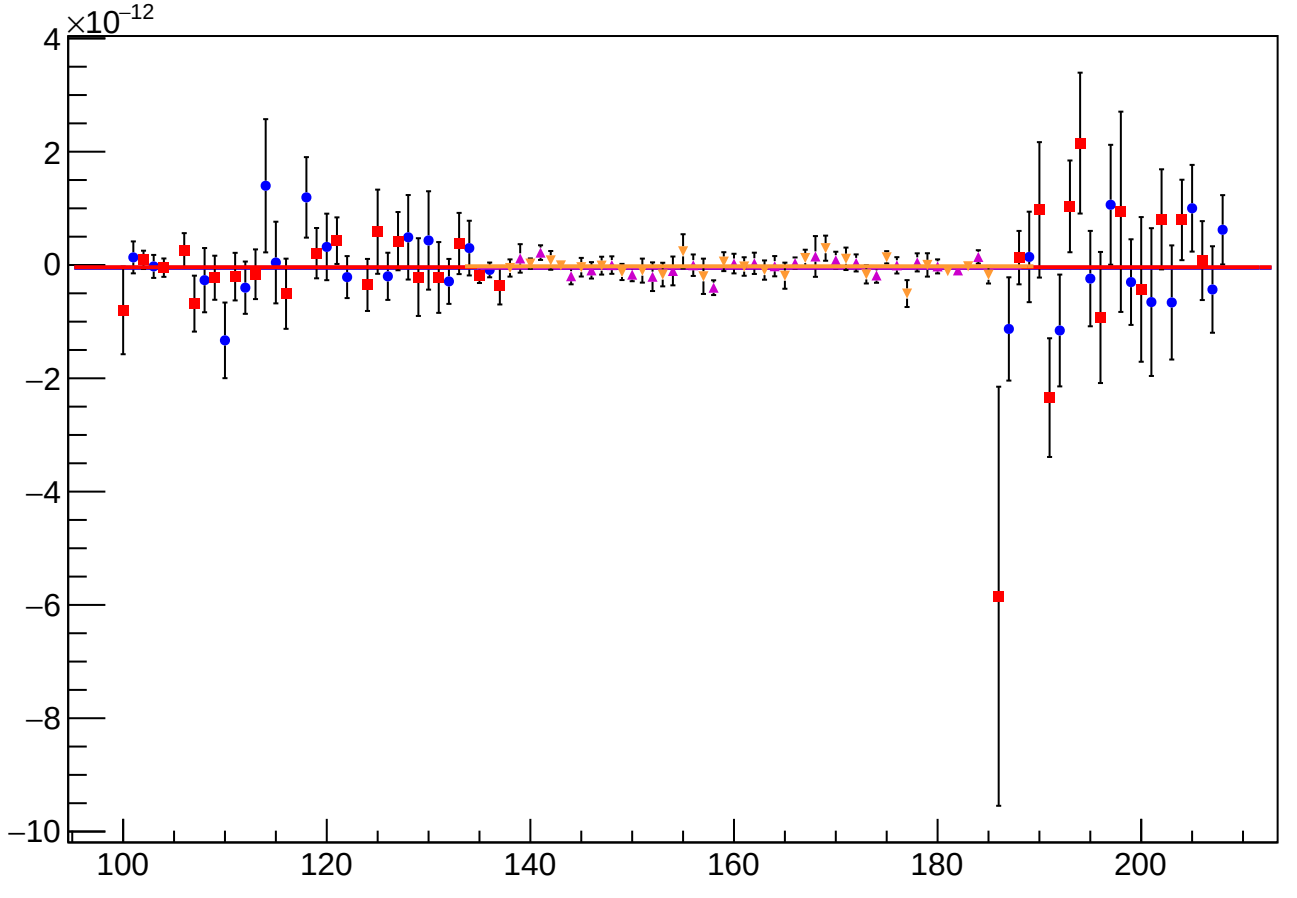
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 300.013+/-0.041 χ^2/NDF: 7379056.2/57

In: 395.565+/-0.053 χ^2/NDF:9714412.7/49

Out: 349.303+/-0.049 χ^2/NDF:16912561.6/55

All: 370.612+/-0.036 χ^2/NDF: 27040390.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/30

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

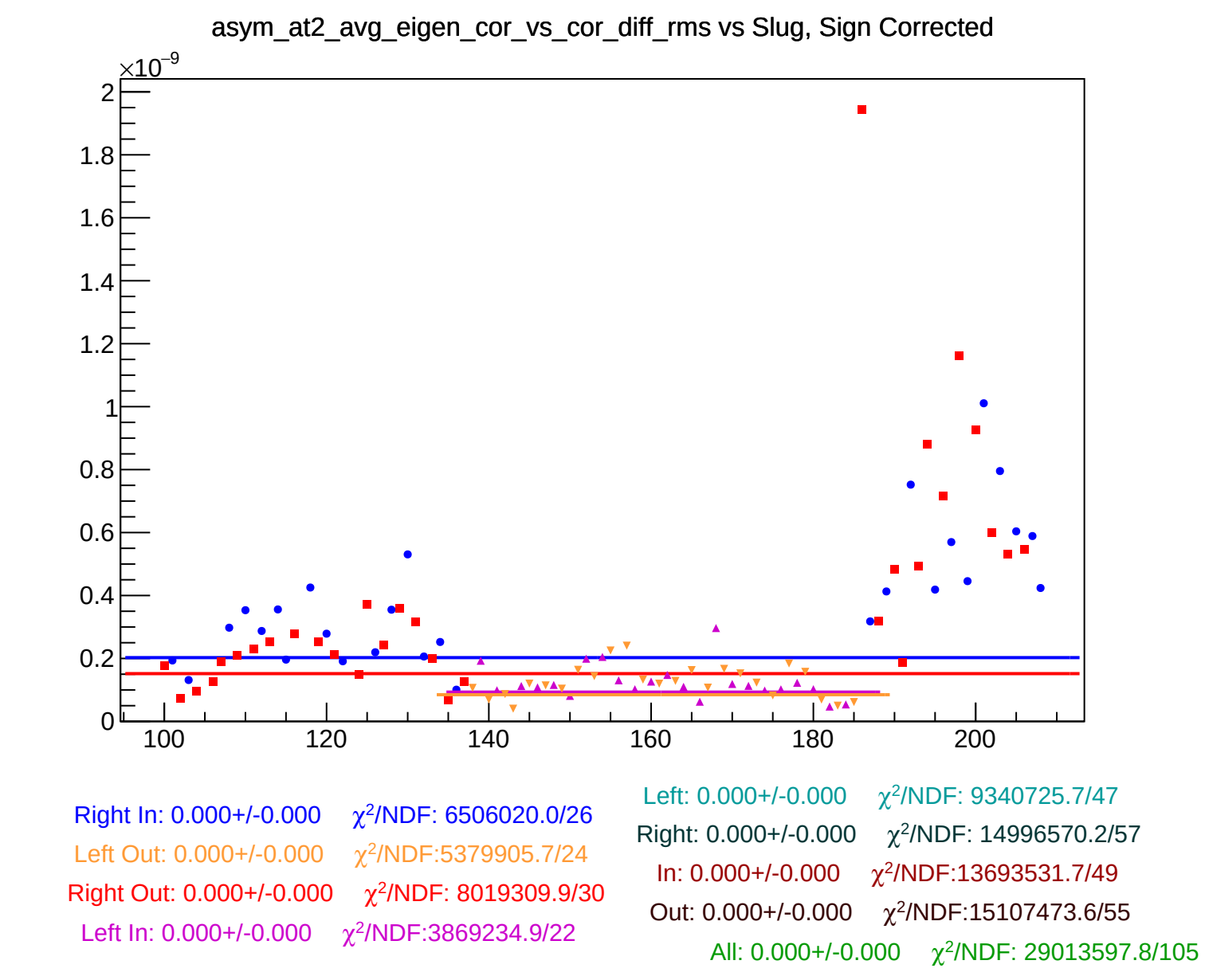
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

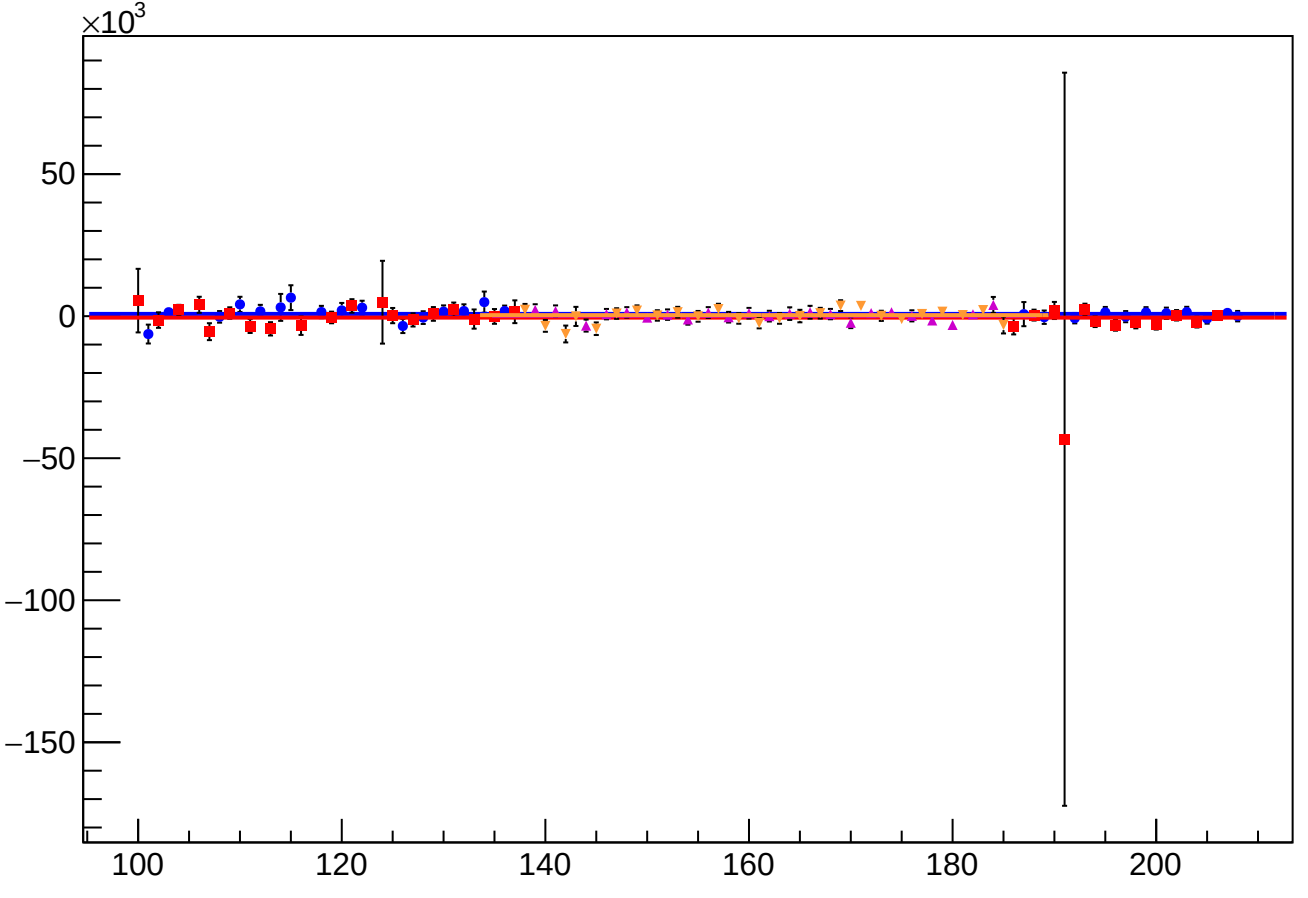
Right: -0.000+/-0.000 χ^2/NDF: 47.7/57

In: -0.000+/-0.000 χ^2/NDF:41.9/49

Out: -0.000+/-0.000 χ^2/NDF:44.3/55

All: -0.000+/-0.000 χ^2/NDF: 86.4/105


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6506020.0/26
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8019309.9/30
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: 14996570.2/57
In: 0.000+/-0.000 χ²/NDF:13693531.7/49
Out: 0.000+/-0.000 χ²/NDF:15107473.6/55
All: 0.000+/-0.000 χ²/NDF: 29013597.8/105



Right In: 796.791+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -511.673+/-423.157 χ^2/NDF: 28.9/30

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

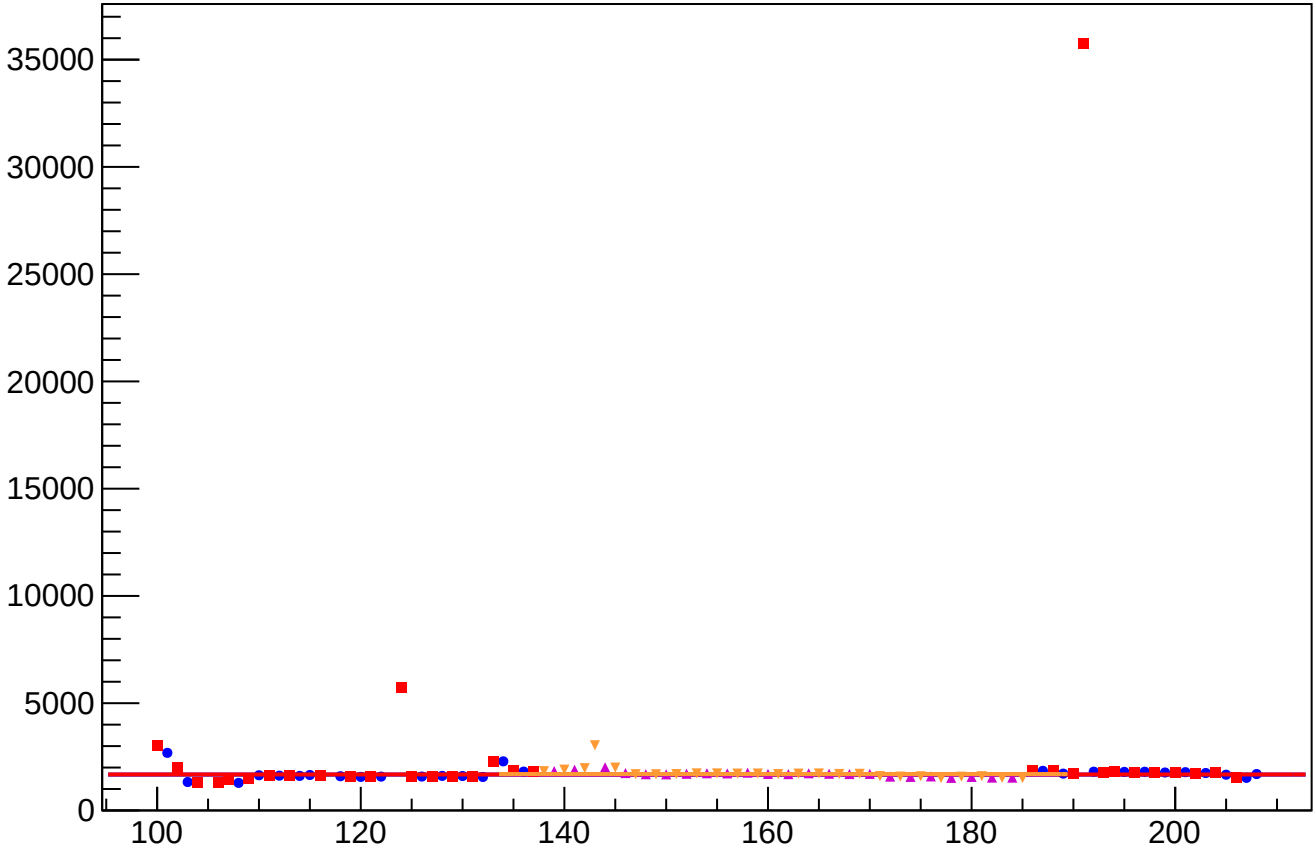
Right: 141.978+/-299.350 χ^2/NDF: 51.0/57

In: 454.037+/-288.577 χ^2/NDF:34.6/49

Out: -37.381+/-286.032 χ^2/NDF:60.8/55

All: 206.152+/-203.149 χ^2/NDF: 96.8/105

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.5/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.2/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

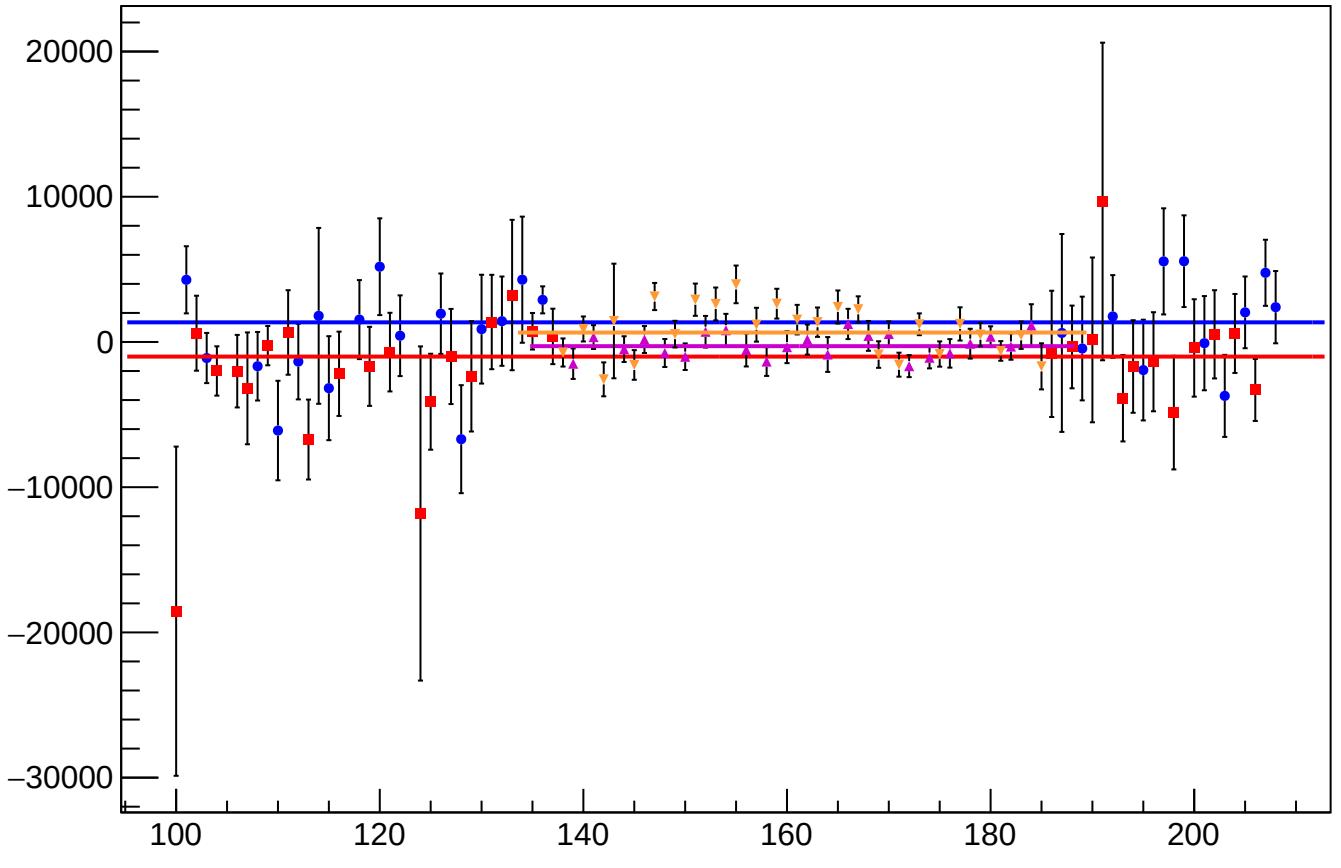
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1674.396+/-0.212 χ^2/NDF: 1182969.9/57

In: 1678.261+/-0.204 χ^2/NDF:655092.7/49

Out: 1688.503+/-0.202 χ^2/NDF:1191824.9/55

All: 1683.427+/-0.144 χ^2/NDF: 1848188.3/10



Right In: 1351.905+/-487.778 χ^2/NDF: 32.3/26

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -1007.192+/-479.557 χ^2/NDF: 19.1/30

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

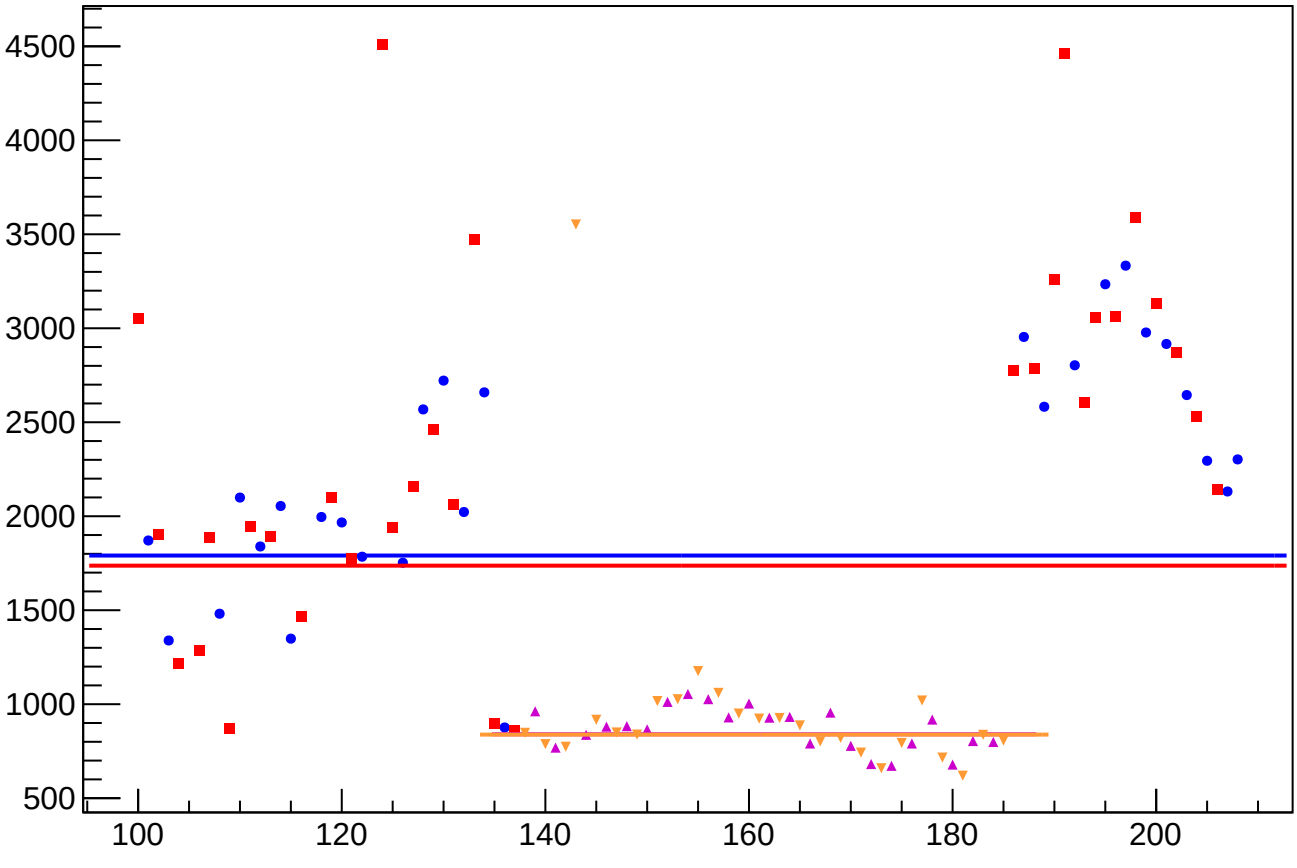
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 152.309+/-341.968 χ^2/NDF: 63.3/57

In: -55.547+/-183.854 χ^2/NDF:58.5/49

Out: 412.766+/-181.170 χ^2/NDF:94.9/55

All: 182.053+/-129.045 χ^2/NDF: 156.7/105



Right In: 1790.865+/-0.345 χ^2/NDF: 4508267.0/26

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1737.085+/-0.339 χ^2/NDF: 5755206.8/30

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

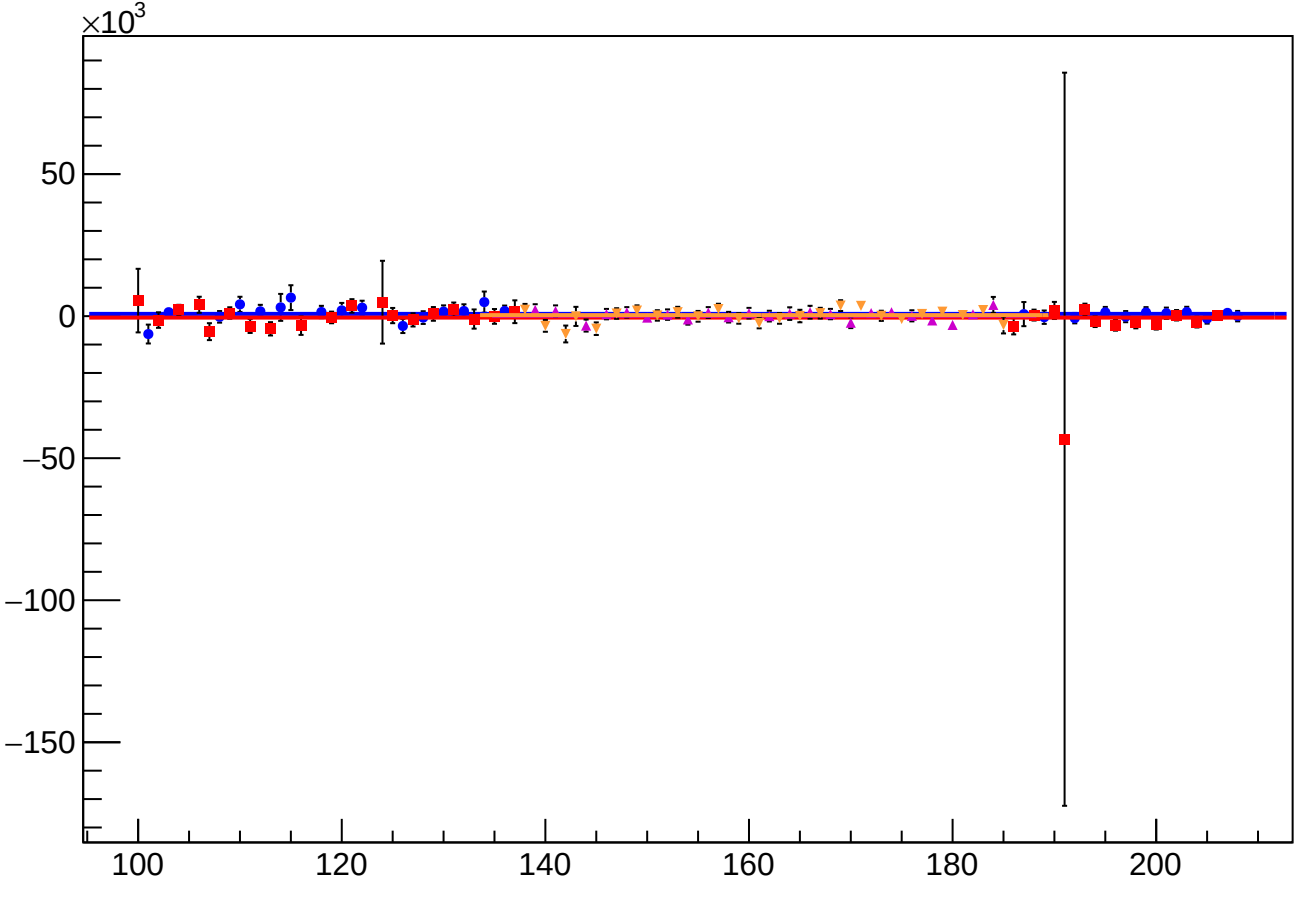
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1763.518+/-0.242 χ^2/NDF: 10275837.0/57

In: 975.069+/-0.130 χ^2/NDF:11698356.1/49

Out: 966.528+/-0.128 χ^2/NDF:13578800.8/55

All: 970.735+/-0.091 χ^2/NDF: 25279346.9/10



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -511.813+/-423.157 χ^2/NDF: 28.9/30

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

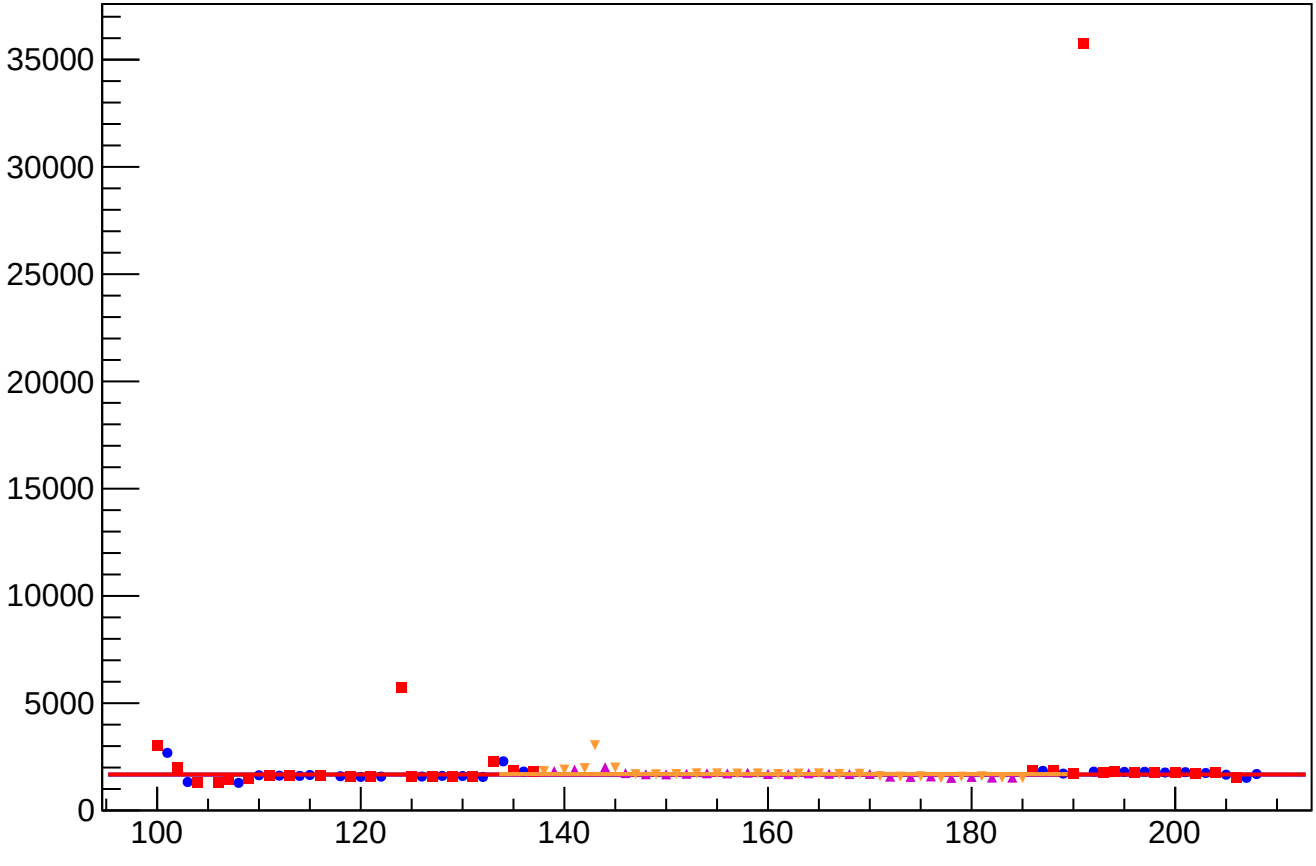
Right: 141.933+/-299.350 χ^2/NDF: 51.0/57

In: 454.010+/-288.577 χ^2/NDF:34.6/49

Out: -37.491+/-286.032 χ^2/NDF:60.8/55

All: 206.083+/-203.149 χ^2/NDF: 96.8/105

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

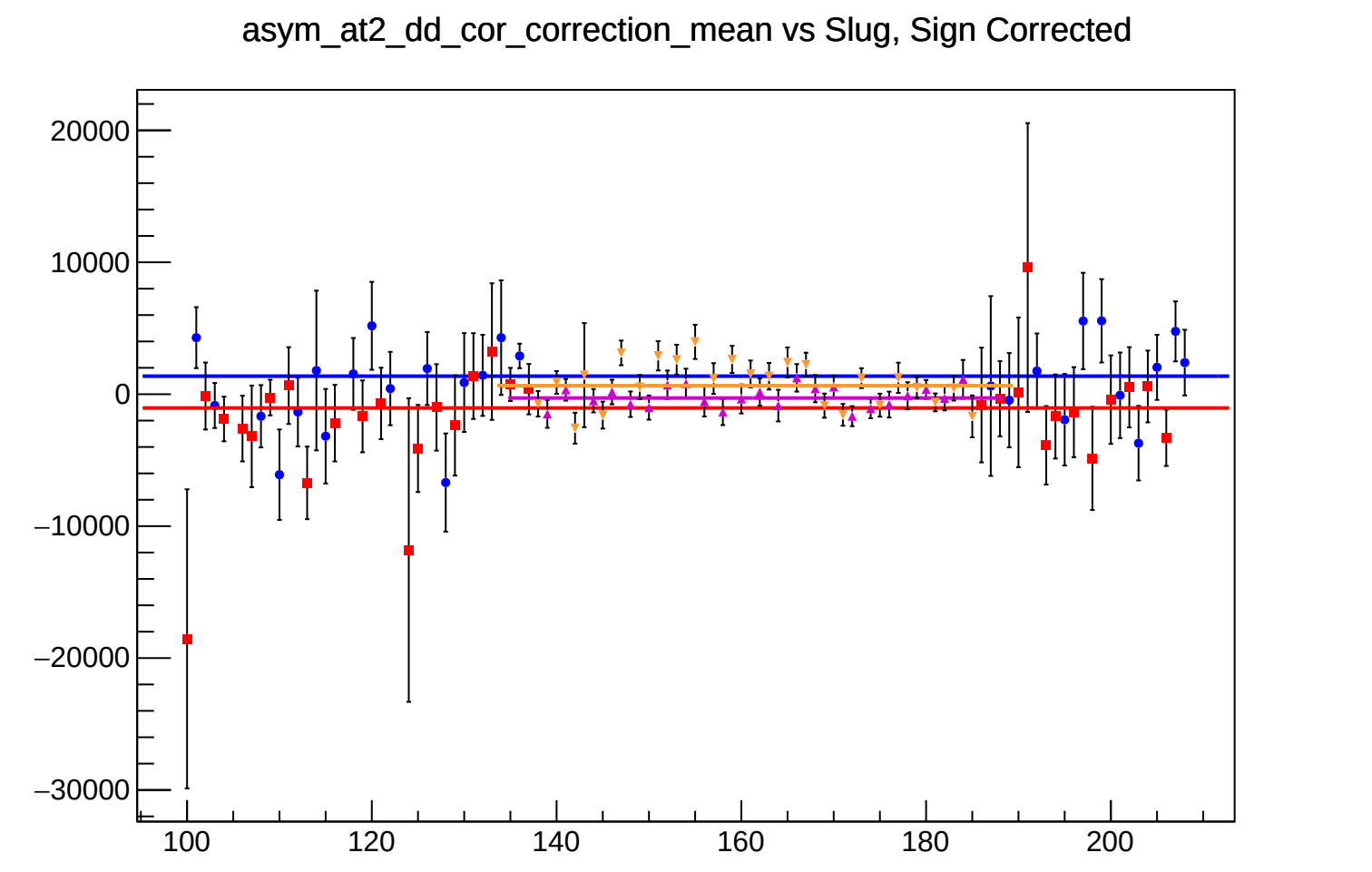
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1674.396+/-0.212 χ^2/NDF: 1182970.3/57

In: 1678.261+/-0.204 χ^2/NDF:655093.0/49

Out: 1688.503+/-0.202 χ^2/NDF:1191825.0/55

All: 1683.427+/-0.144 χ^2/NDF: 1848188.7/10



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1045.244+/-479.066 χ^2/NDF: 19.0/30

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

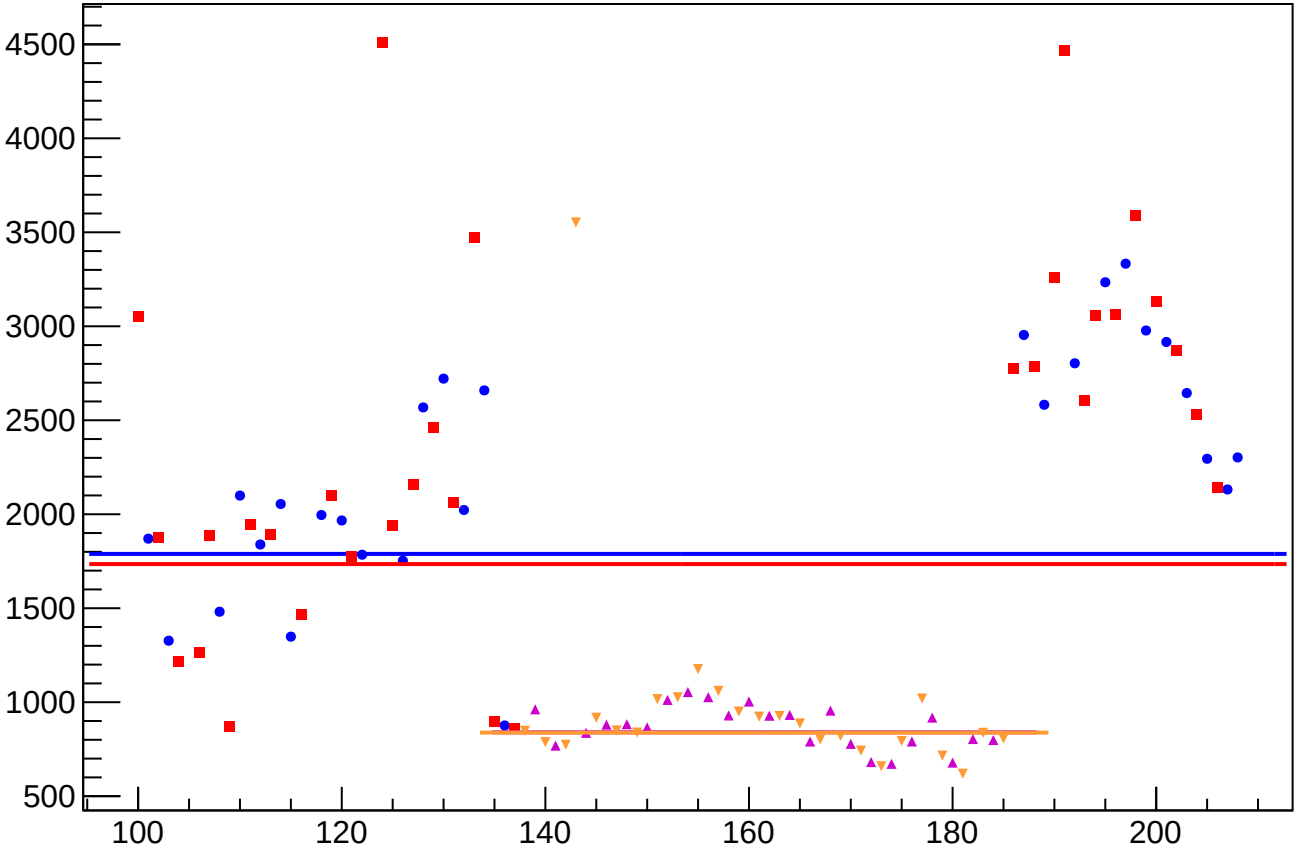
Right: 140.770+/-341.620 χ^2/NDF: 63.4/57

In: -52.863+/-183.828 χ^2/NDF:58.4/49

Out: 406.904+/-181.145 χ^2/NDF:95.3/55

All: 180.400+/-129.027 χ^2/NDF: 156.8/105

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

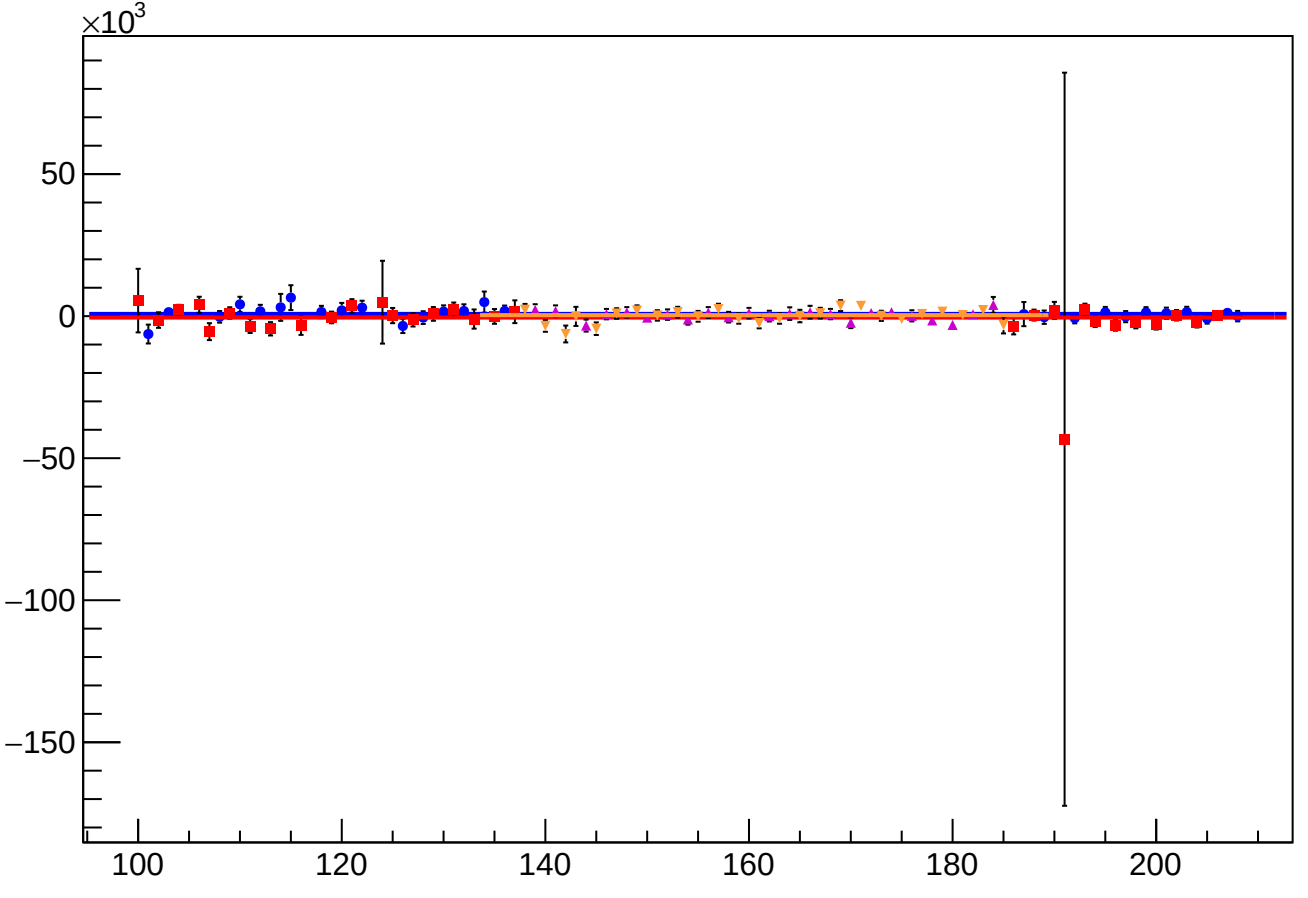
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1761.449+/-0.242 χ^2/NDF: 10294313.7/57

In: 975.037+/-0.130 χ^2/NDF:11694366.7/49

Out: 966.444+/-0.128 χ^2/NDF:13566648.4/55

All: 970.677+/-0.091 χ^2/NDF: 25263232.0/10



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -511.813+/-423.157 χ^2/NDF: 28.9/30

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

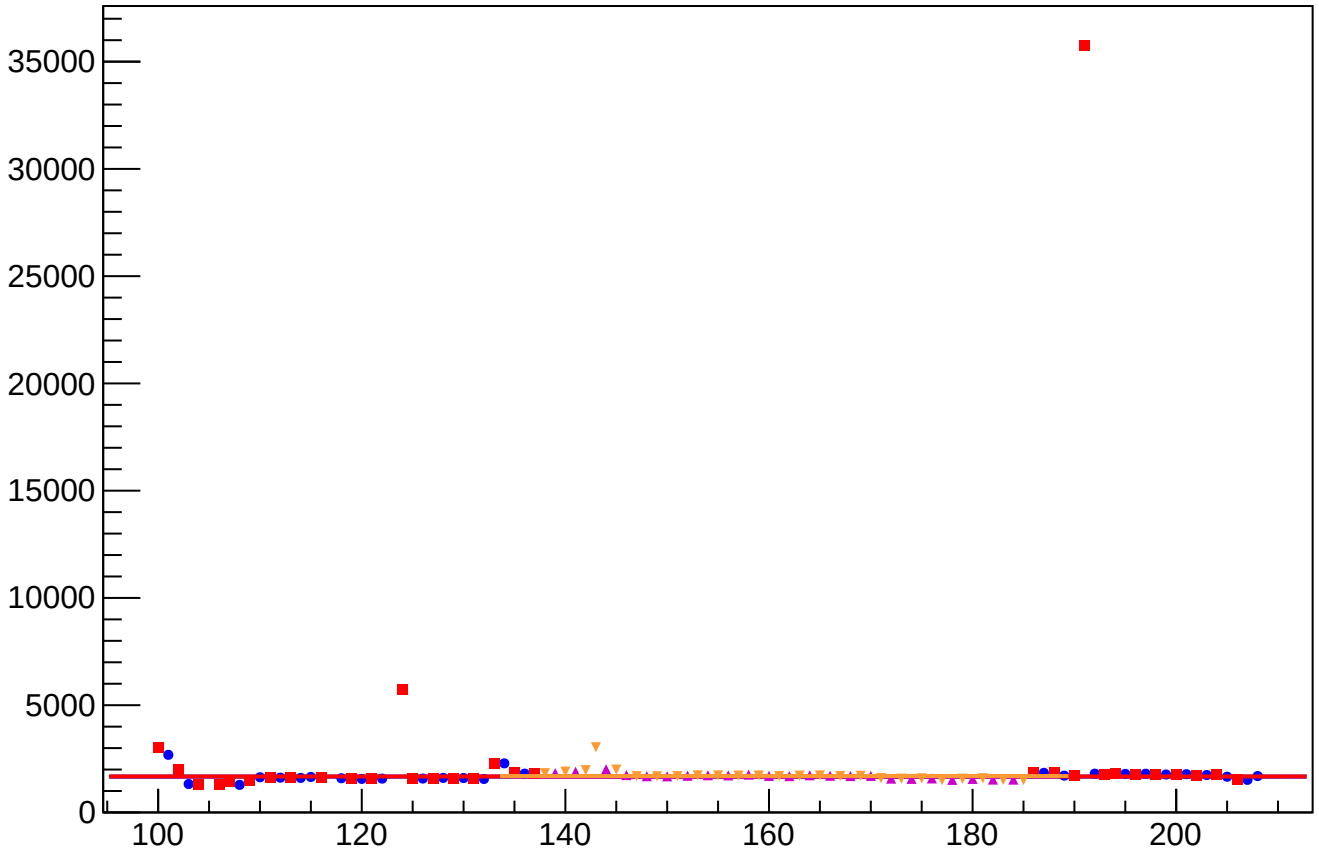
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 141.933+/-299.350 χ^2/NDF: 51.0/57

In: 454.010+/-288.577 χ^2/NDF:34.6/49

Out: -37.491+/-286.032 χ^2/NDF:60.8/55

All: 206.083+/-203.149 χ^2/NDF: 96.8/105



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

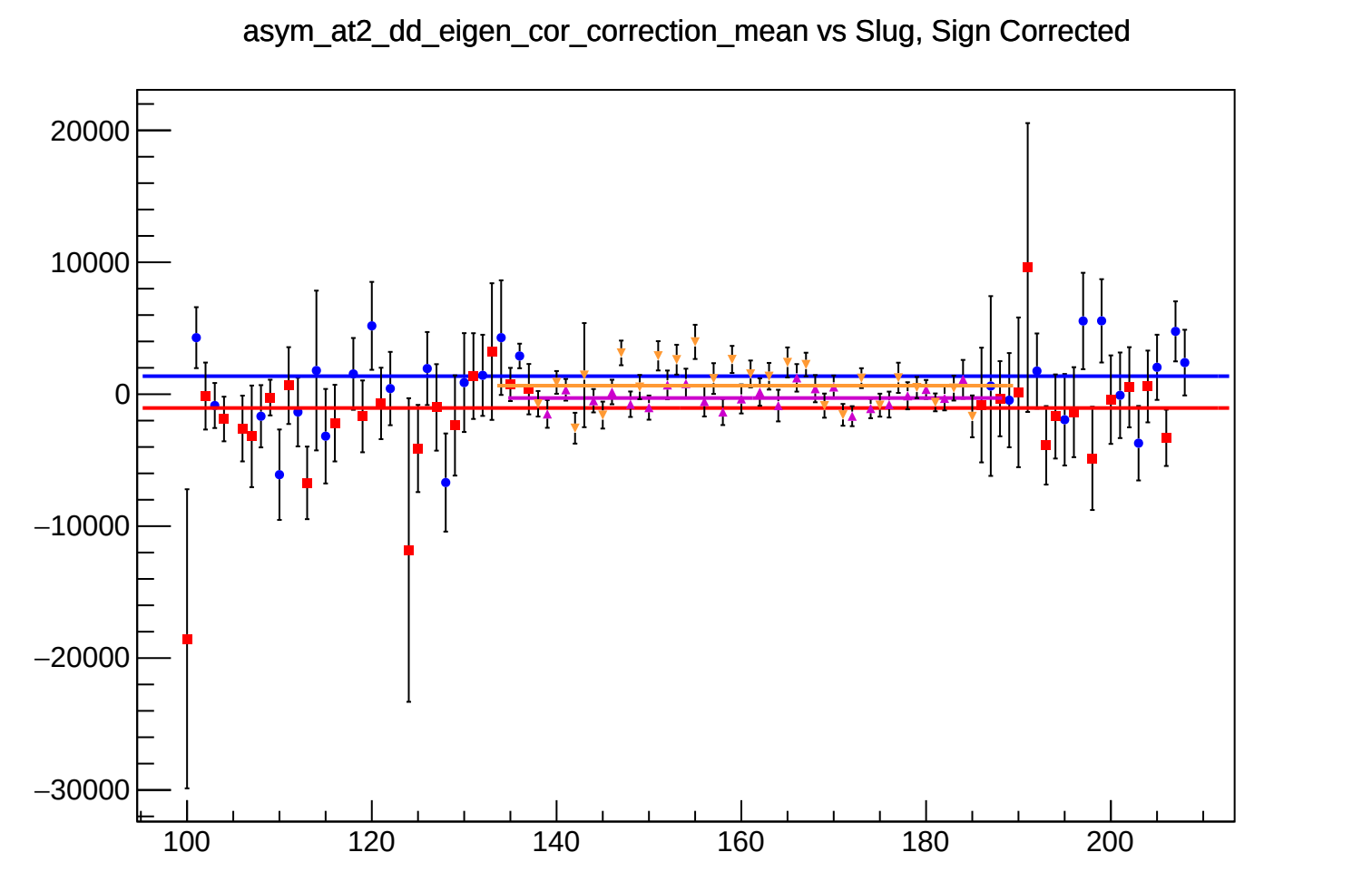
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1674.396+/-0.212 χ^2/NDF: 1182970.3/57

In: 1678.261+/-0.204 χ^2/NDF:655093.0/49

Out: 1688.503+/-0.202 χ^2/NDF:1191825.0/55

All: 1683.427+/-0.144 χ^2/NDF: 1848188.7/10



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1045.244+/-479.066 χ^2/NDF: 19.0/30

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

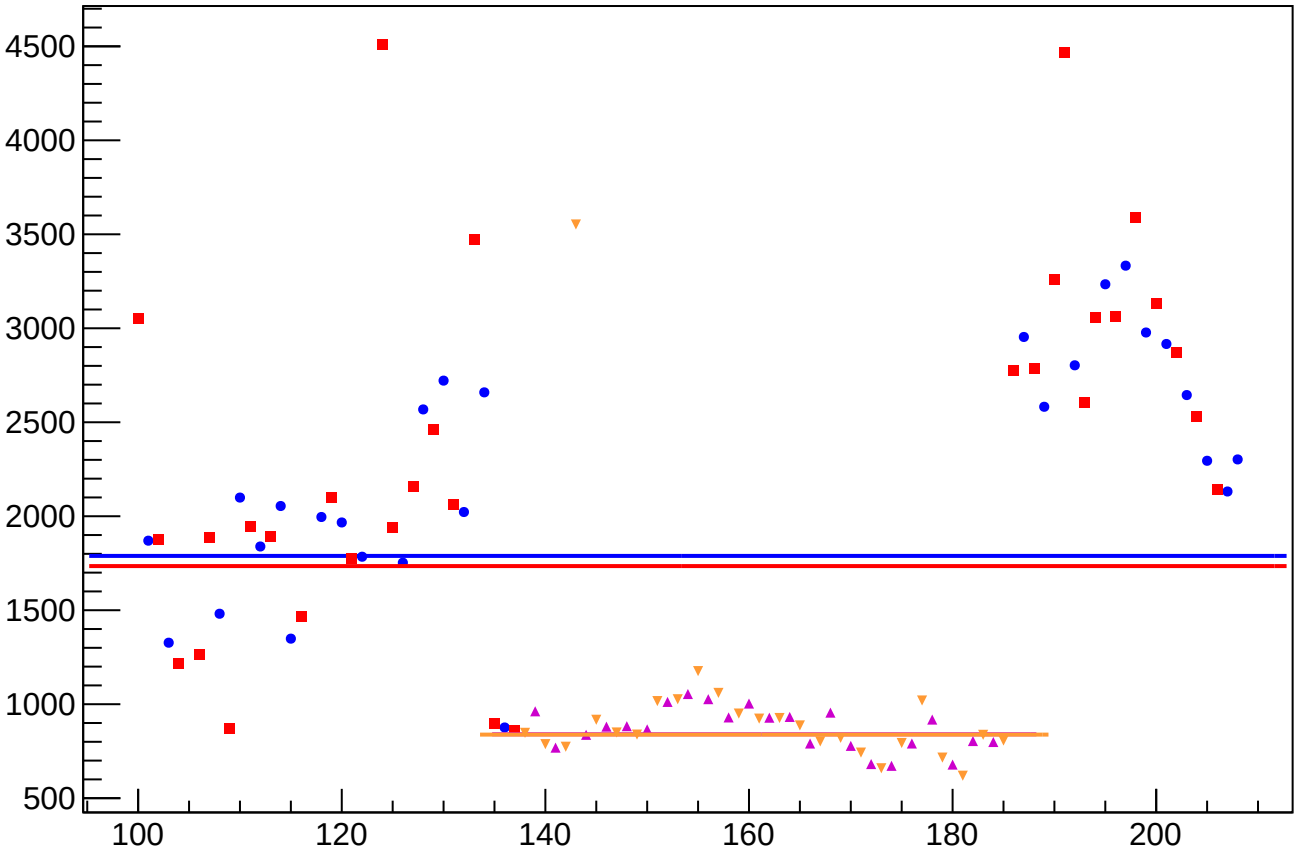
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 140.770+/-341.620 χ^2/NDF: 63.4/57

In: -52.863+/-183.828 χ^2/NDF:58.4/49

Out: 406.904+/-181.145 χ^2/NDF:95.3/55

All: 180.400+/-129.027 χ^2/NDF: 156.8/105



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

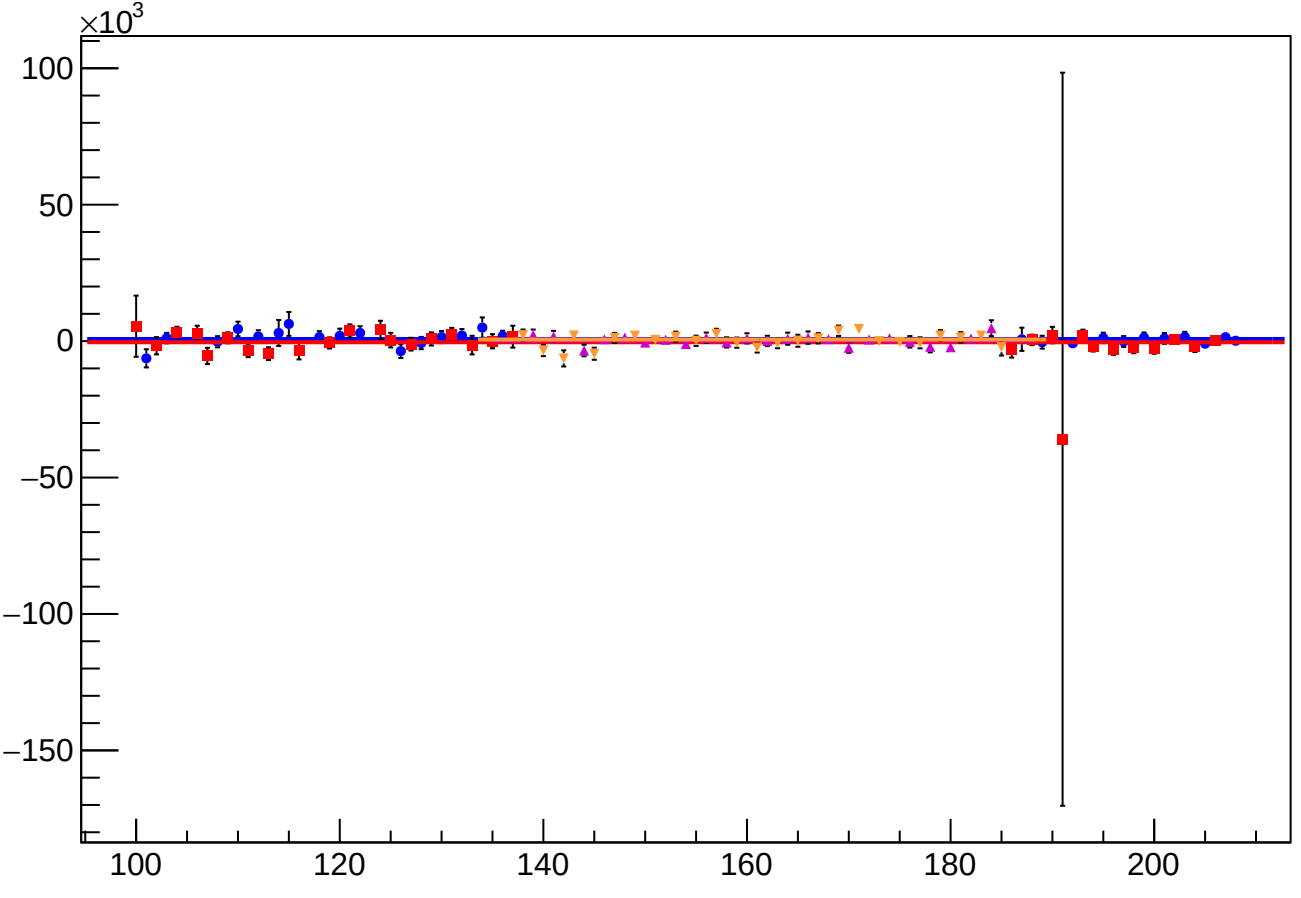
Right: 1761.449+/-0.242 χ^2/NDF: 10294313.7/57

In: 975.037+/-0.130 χ^2/NDF:11694366.7/49

Out: 966.444+/-0.128 χ^2/NDF:13566648.4/55

All: 970.677+/-0.091 χ^2/NDF: 25263232.0/10

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 788.142+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -420.727+/-423.713 χ^2/NDF: 31.1/30

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

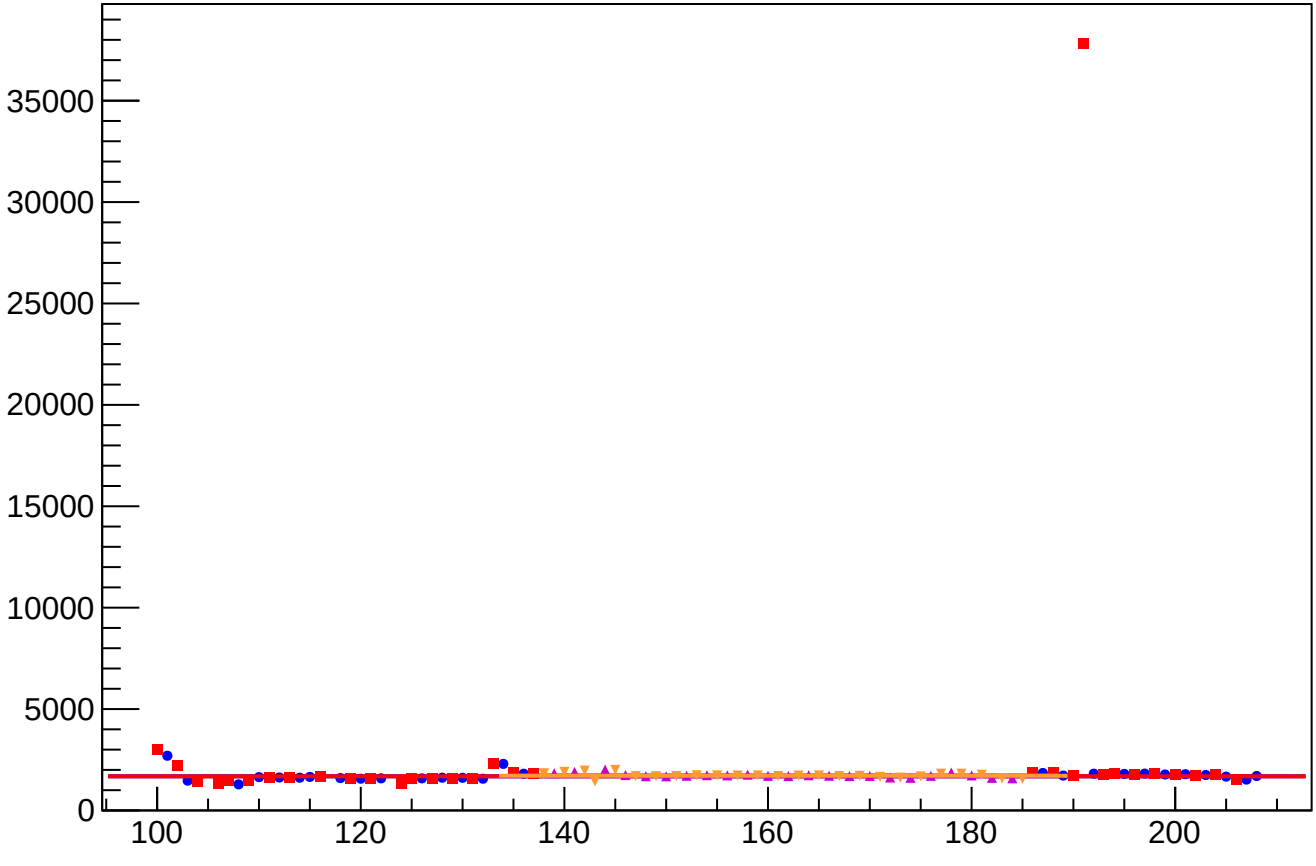
Right: 179.453+/-300.663 χ^2/NDF: 53.2/57

In: 470.608+/-293.406 χ^2/NDF:33.5/49

Out: 121.483+/-286.859 χ^2/NDF:66.0/55

All: 292.107+/-205.115 χ^2/NDF: 100.3/105

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1684.945+/-0.302 χ^2/NDF: 435519.5/26

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.2/30

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

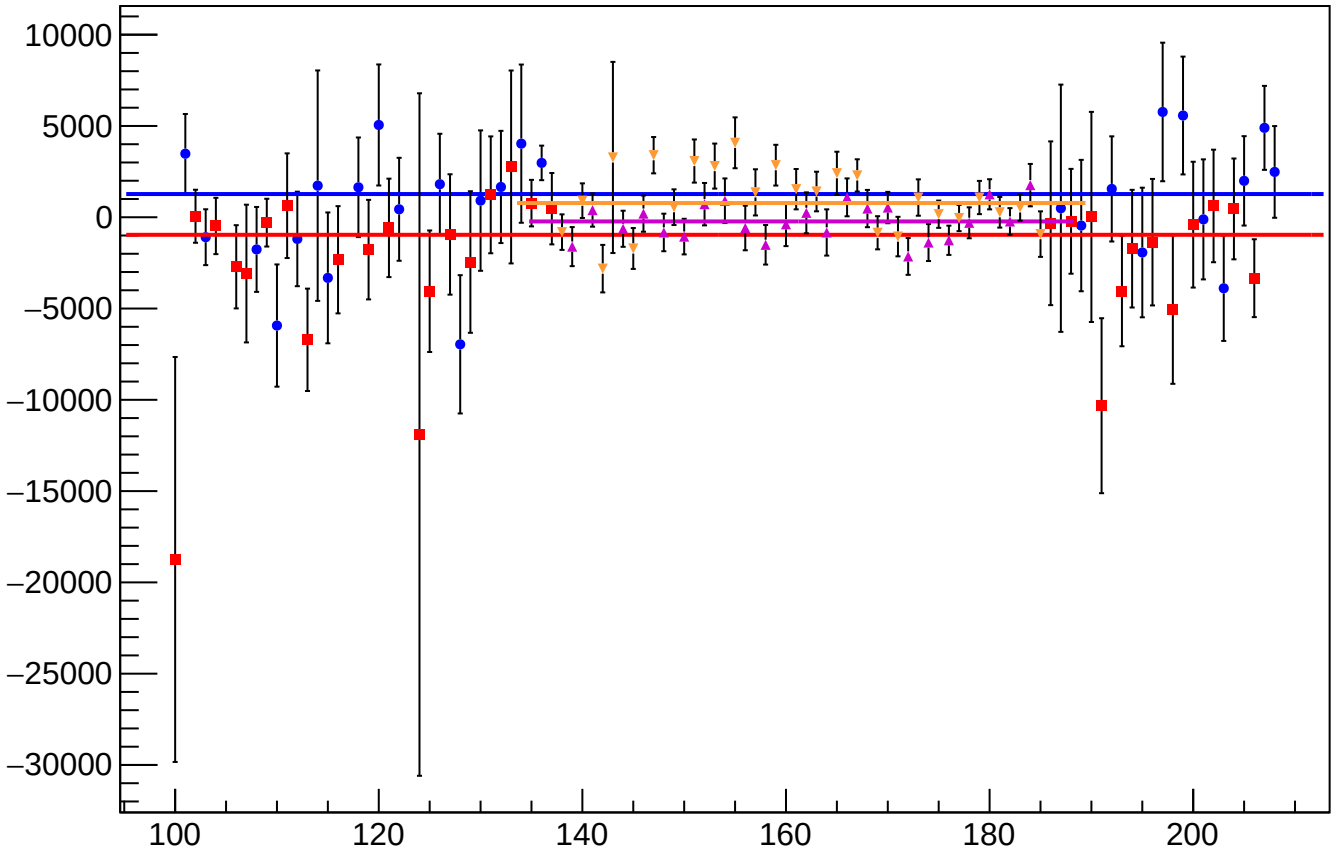
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1684.093+/-0.213 χ^2/NDF: 990597.5/57

In: 1707.597+/-0.207 χ^2/NDF:546437.7/49

Out: 1698.668+/-0.203 χ^2/NDF:727955.1/55

All: 1703.032+/-0.145 χ^2/NDF: 1275339.9/10



Right In: 1270.921+/-484.940 χ^2/NDF: 32.6/26

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -961.329+/-457.210 χ^2/NDF: 21.7/30

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

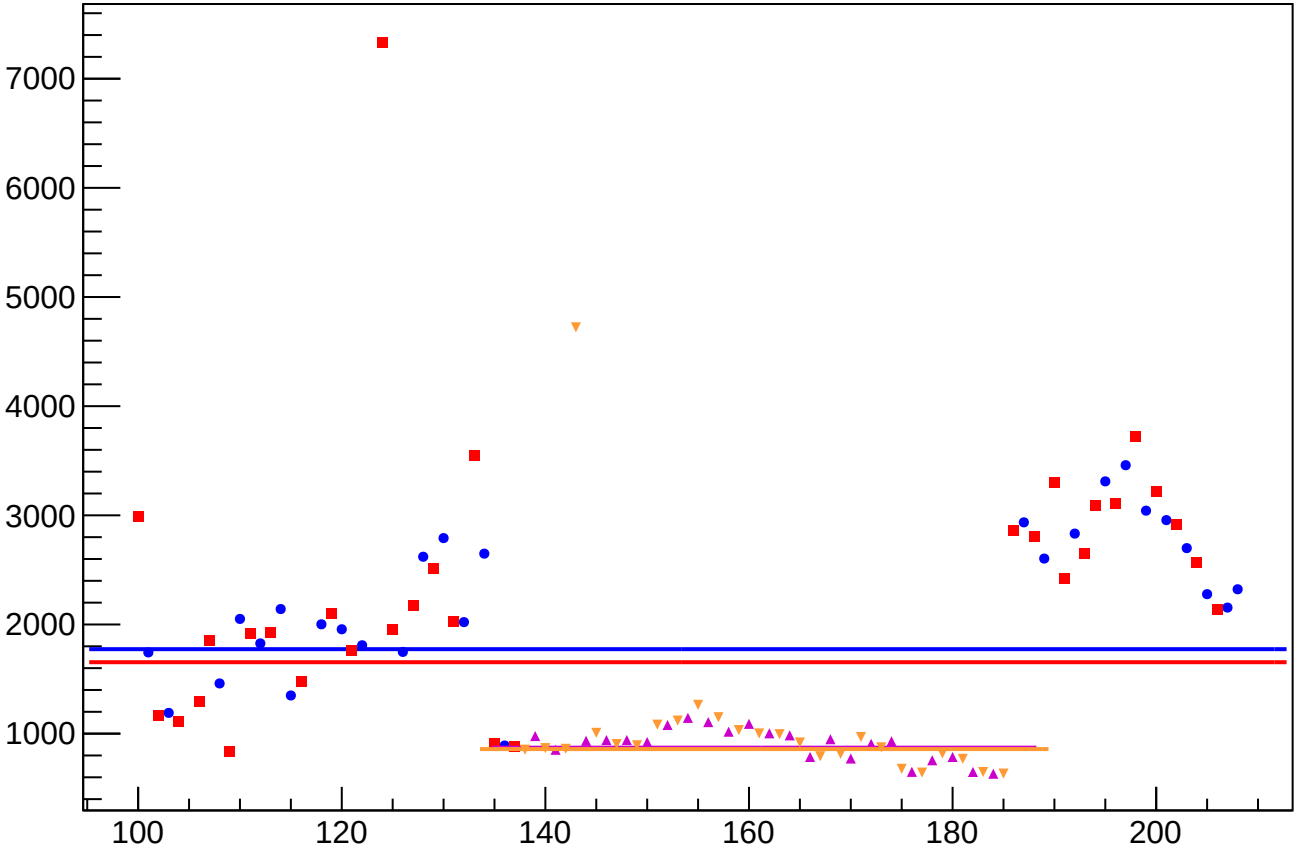
Right: 89.154+/-332.668 χ^2/NDF: 65.5/57

In: 1.717+/-190.150 χ^2/NDF:63.3/49

Out: 495.598+/-184.495 χ^2/NDF:88.4/55

All: 256.110+/-132.412 χ^2/NDF: 155.1/105

asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1773.874+/-0.343 χ^2/NDF: 4686932.2/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1654.345+/-0.323 χ^2/NDF: 6303531.2/30

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

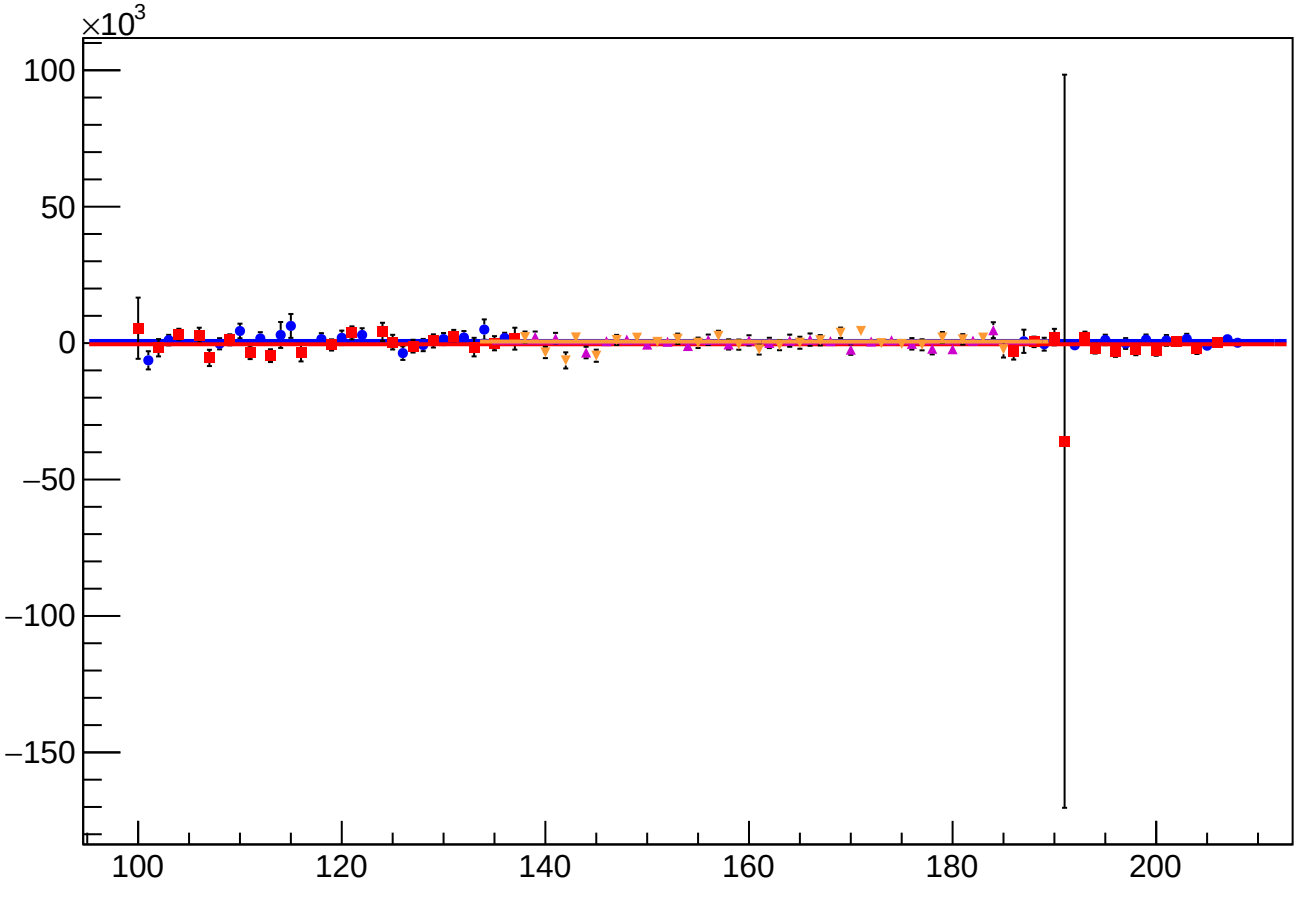
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1710.595+/-0.235 χ^2/NDF: 11054789.1/57

In: 1010.263+/-0.134 χ^2/NDF:11526324.1/49

Out: 988.166+/-0.130 χ^2/NDF:13655163.3/55

All: 998.881+/-0.094 χ^2/NDF: 25195399.5/10



Right In: 788.139+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -420.725+/-423.713 χ^2/NDF: 31.1/30

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

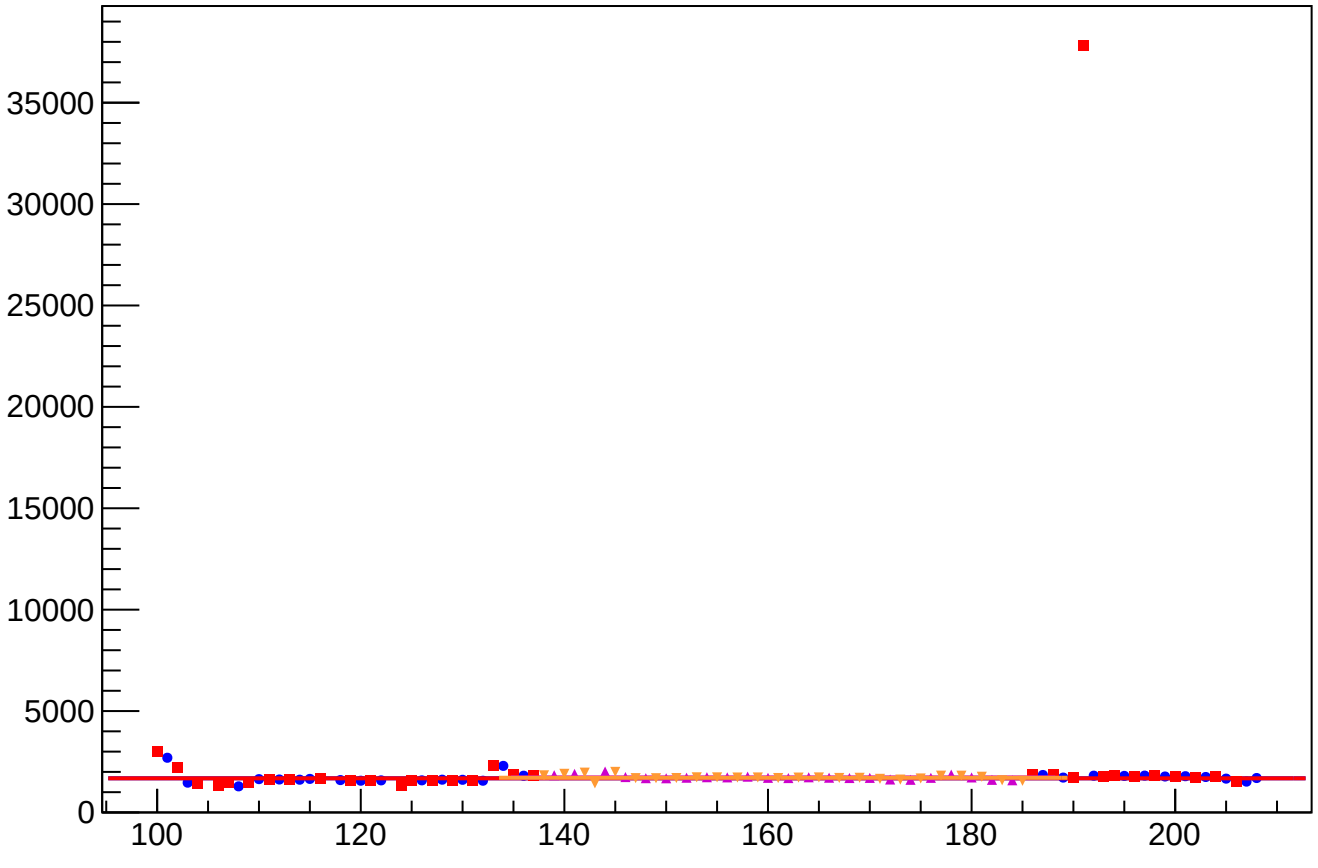
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 179.453+/-300.663 χ^2/NDF: 53.2/57

In: 470.607+/-293.406 χ^2/NDF:33.5/49

Out: 121.482+/-286.859 χ^2/NDF:66.0/55

All: 292.106+/-205.115 χ^2/NDF: 100.3/105



Right In: 1684.944+/-0.302 χ^2/NDF: 435519.4/26

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.3/30

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

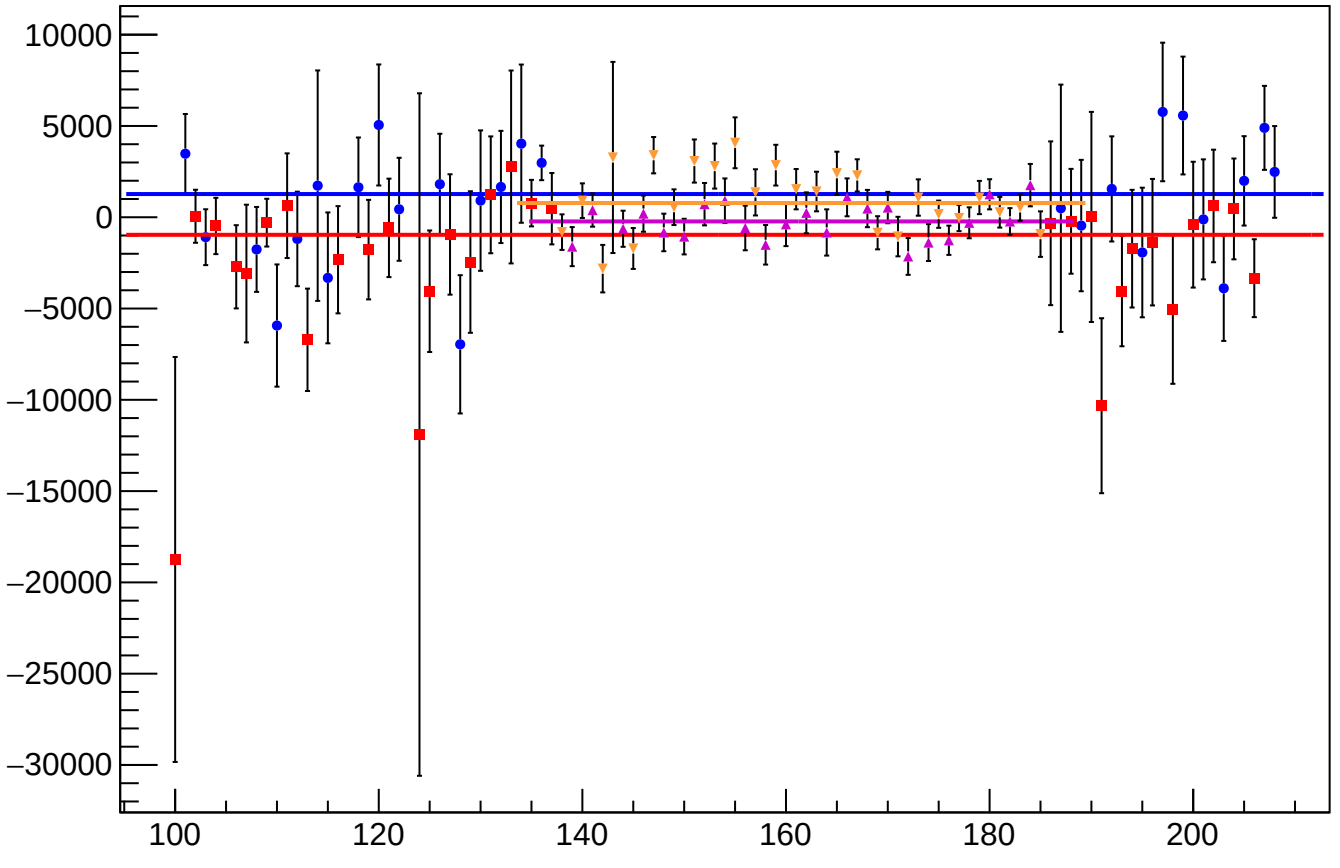
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1684.093+/-0.213 χ^2/NDF: 990597.5/57

In: 1707.597+/-0.207 χ^2/NDF:546437.4/49

Out: 1698.668+/-0.203 χ^2/NDF:727954.0/55

All: 1703.032+/-0.145 χ^2/NDF: 1275338.4/10



Right In: 1270.917+/-484.942 χ^2/NDF: 32.6/26

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -961.344+/-457.213 χ^2/NDF: 21.7/30

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

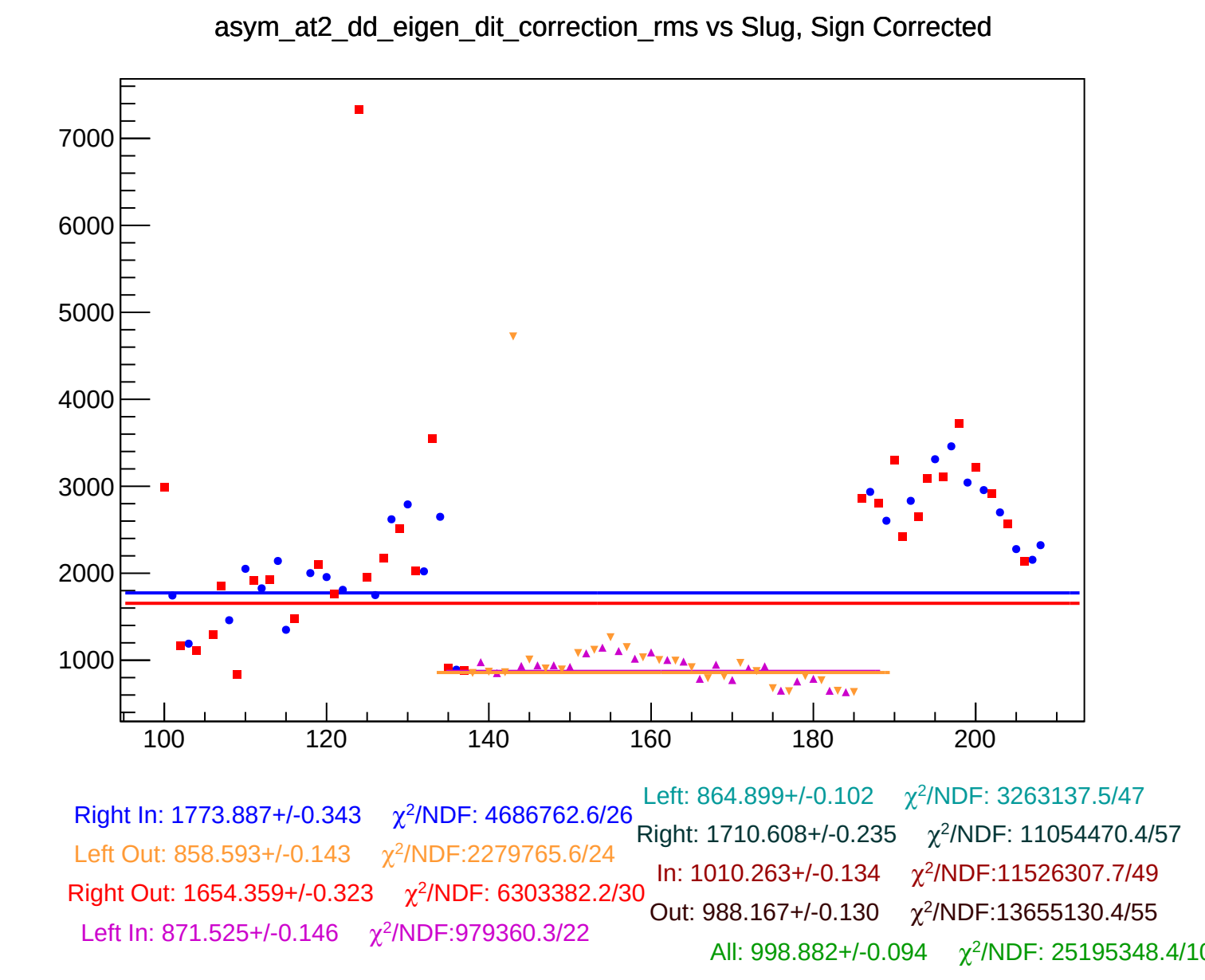
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

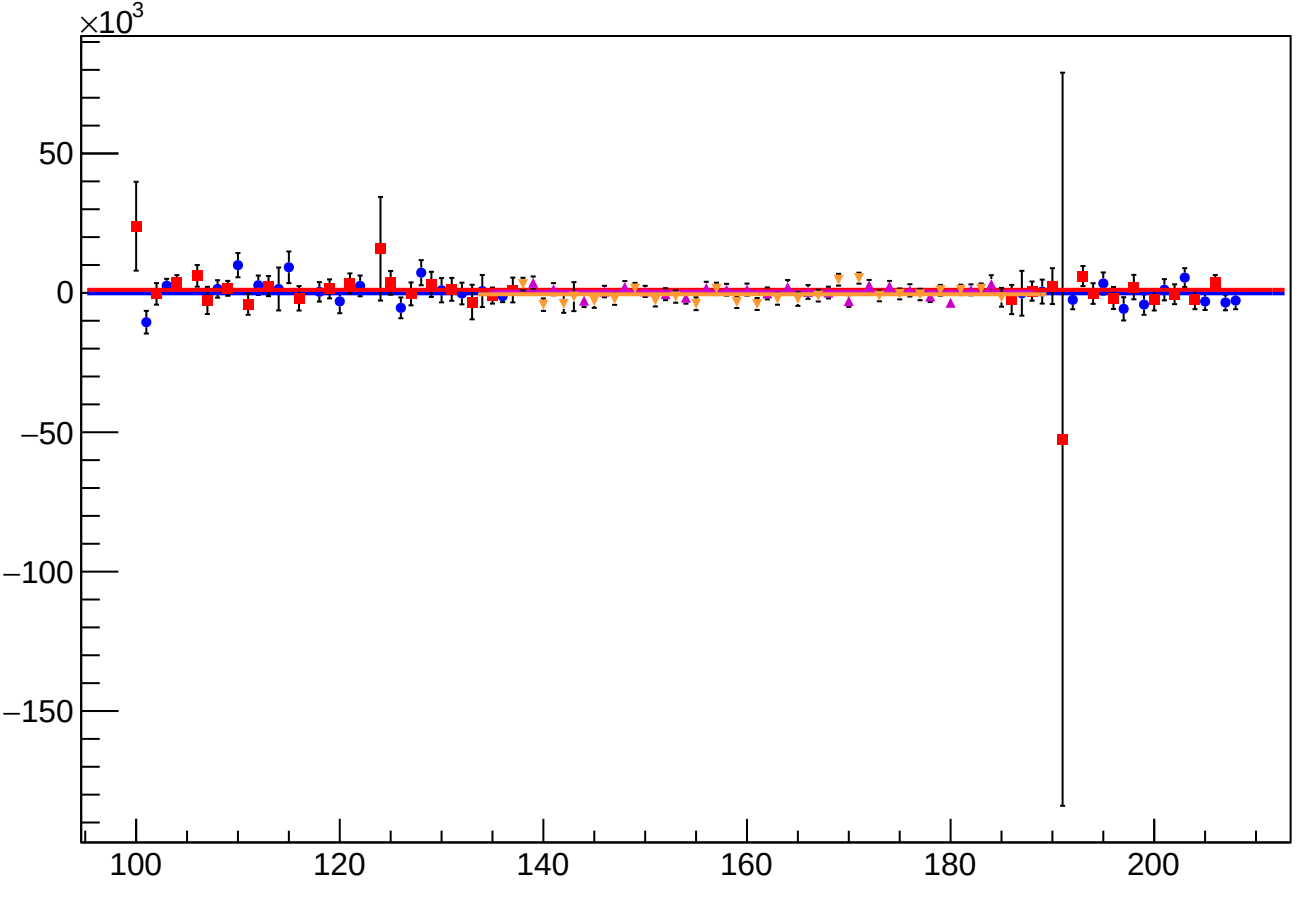
Right: 89.145+/-332.669 χ^2/NDF: 65.5/57

In: 1.716+/-190.150 χ^2/NDF:63.3/49

Out: 495.600+/-184.495 χ^2/NDF:88.4/55

All: 256.111+/-132.412 χ^2/NDF: 155.1/105


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1773.887+/-0.343 χ²/NDF: 4686762.6/26
Left Out: 858.593+/-0.143 χ²/NDF:2279765.6/24
Right Out: 1654.359+/-0.323 χ²/NDF: 6303382.2/30
Left In: 871.525+/-0.146 χ²/NDF:979360.3/22
Left: 864.899+/-0.102 χ²/NDF: 3263137.5/47
Right: 1710.608+/-0.235 χ²/NDF: 11054470.4/57
In: 1010.263+/-0.134 χ²/NDF:11526307.7/49
Out: 988.167+/-0.130 χ²/NDF:13655130.4/55
All: 998.882+/-0.094 χ²/NDF: 25195348.4/10



Right In: -160.652+/-697.493 χ^2/NDF: 32.9/26

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1103.620+/-697.748 χ^2/NDF: 17.5/30

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

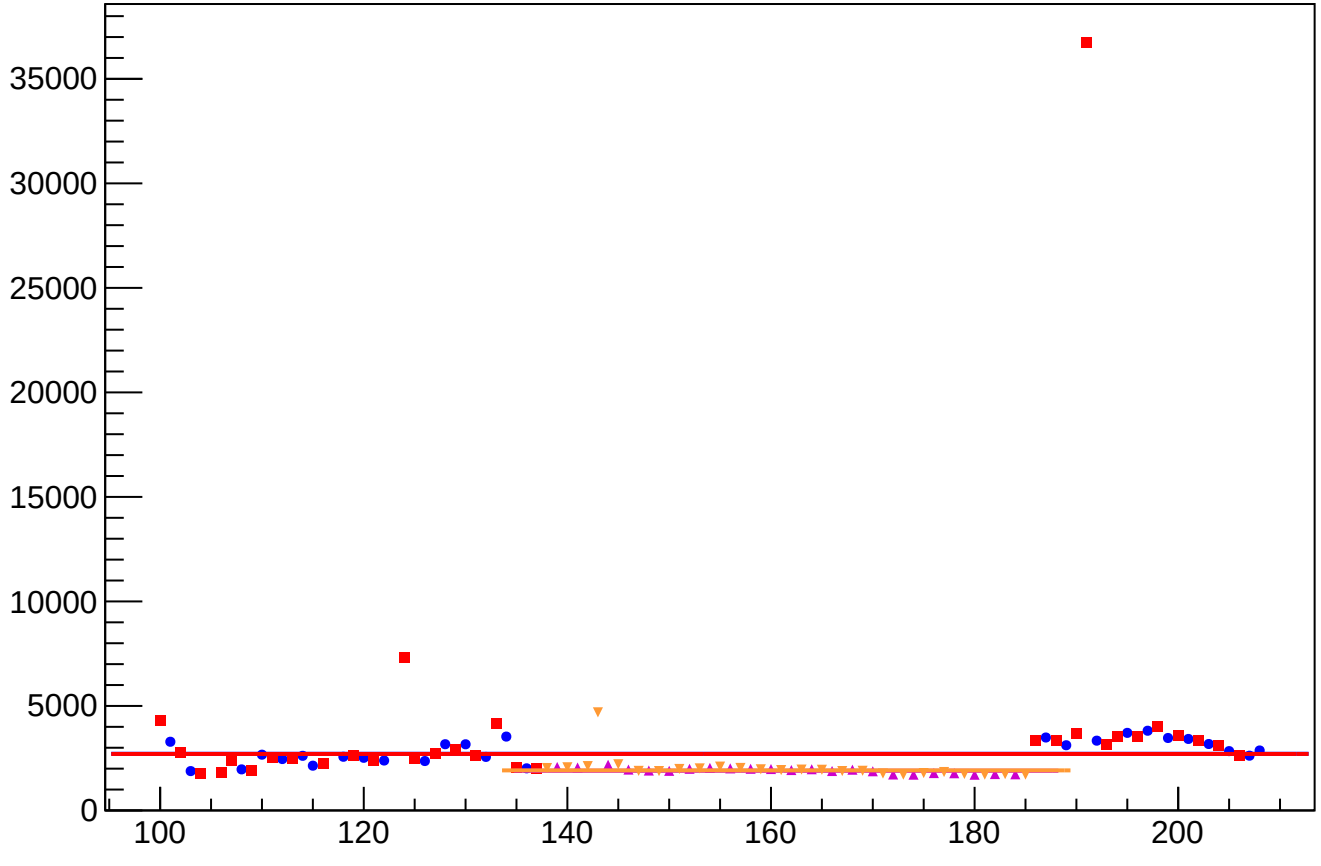
Right: 471.252+/-493.292 χ^2/NDF: 52.0/57

In: 246.082+/-374.895 χ^2/NDF:52.3/49

Out: -44.953+/-372.129 χ^2/NDF:57.2/55

All: 99.487+/-264.107 χ^2/NDF: 109.7/105

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2710.791+/-0.493 χ^2/NDF: 1322940.1/26

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2703.276+/-0.493 χ^2/NDF: 1945060.0/30

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

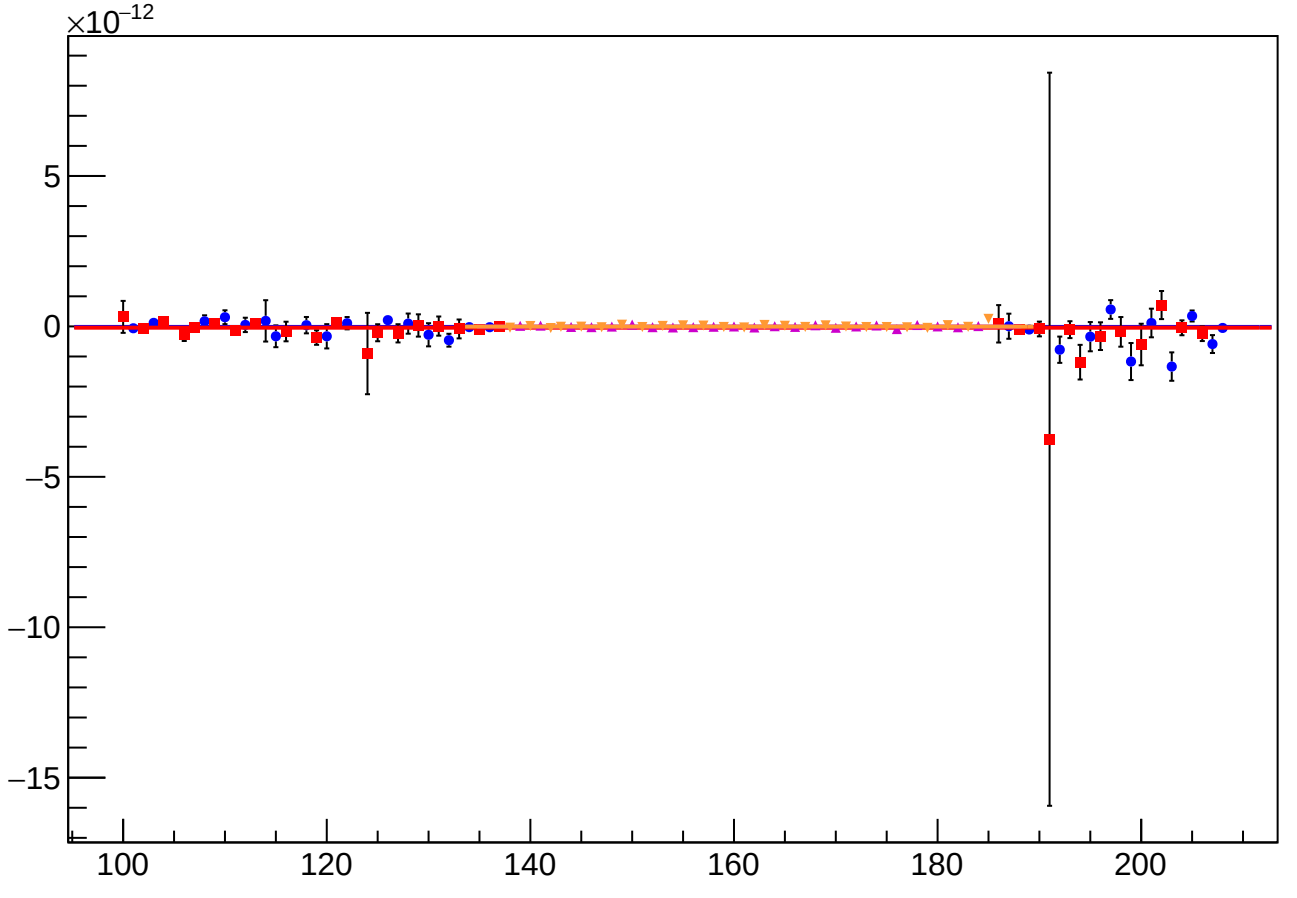
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2707.035+/-0.349 χ^2/NDF: 3268116.2/57

In: 2133.697+/-0.265 χ^2/NDF:3421668.5/49

Out: 2140.762+/-0.263 χ^2/NDF:4518042.8/55

All: 2137.256+/-0.187 χ^2/NDF: 7940069.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

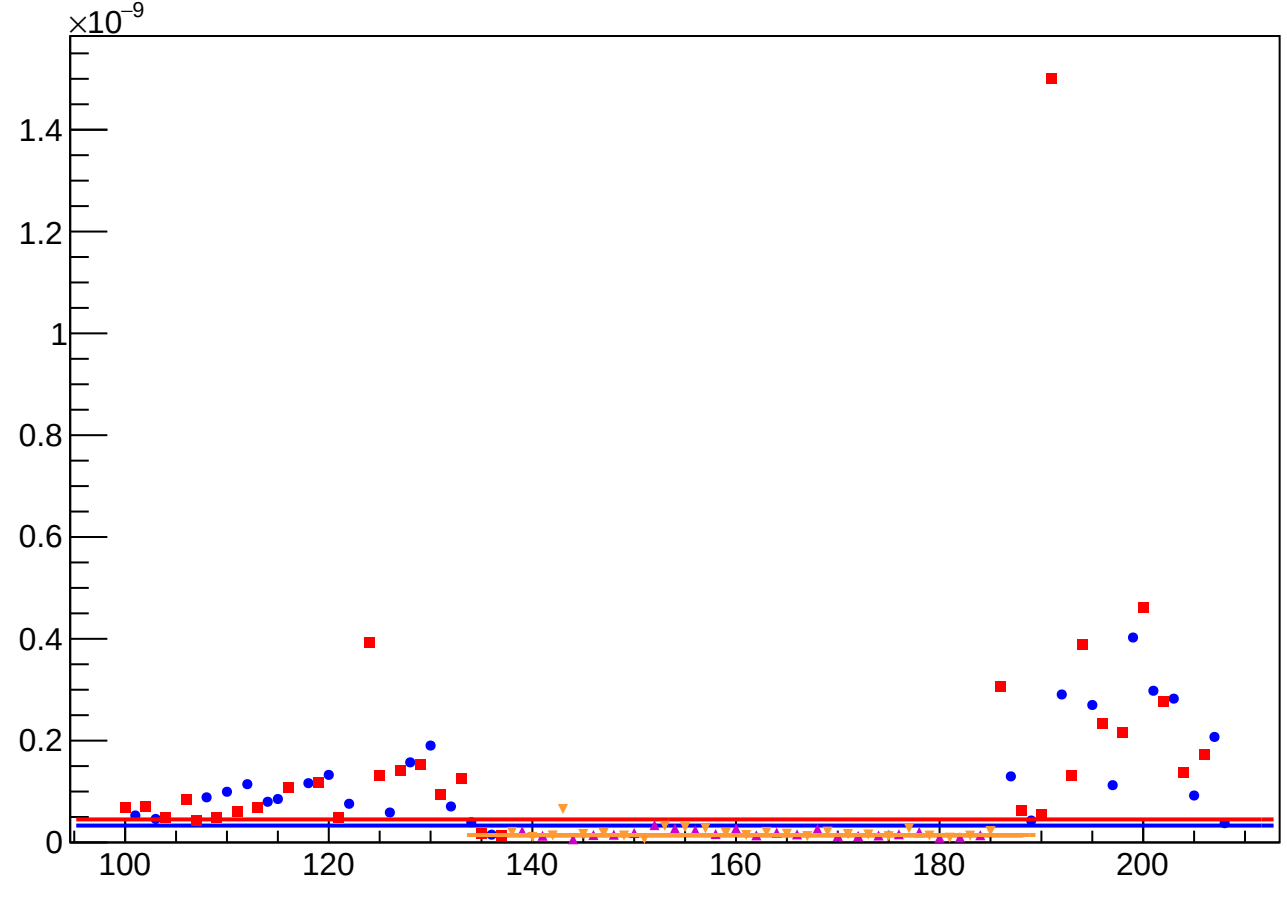
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 65.8/57

In: -0.000+/-0.000 χ^2/NDF:66.4/49

Out: -0.000+/-0.000 χ^2/NDF:54.4/55

All: -0.000+/-0.000 χ^2/NDF: 120.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 7071468.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6569679.2/30

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

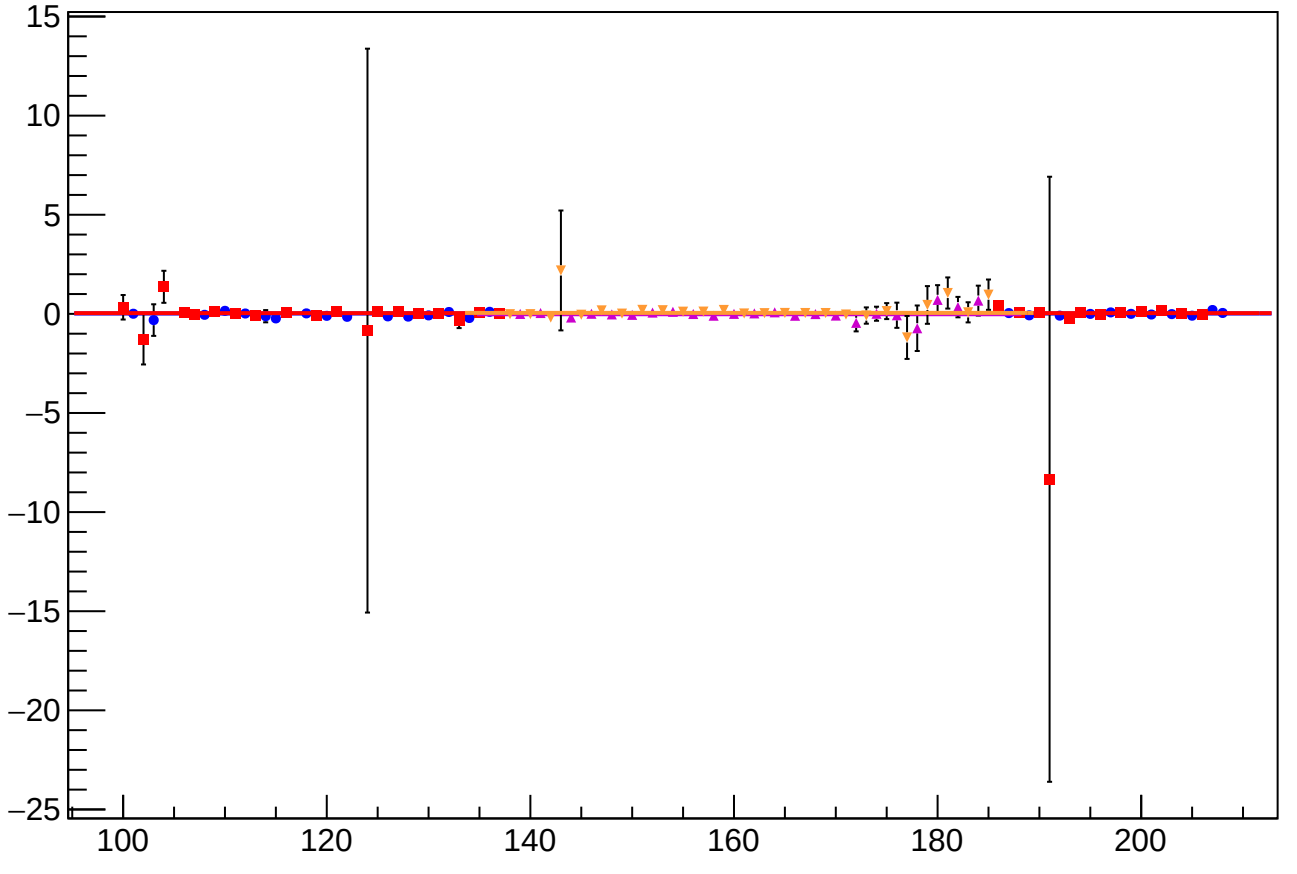
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13896578.1/57

In: 0.000+/-0.000 χ^2/NDF:10557603.6/49

Out: 0.000+/-0.000 χ^2/NDF:10995713.2/55

All: 0.000+/-0.000 χ^2/NDF: 21568047.7/105



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

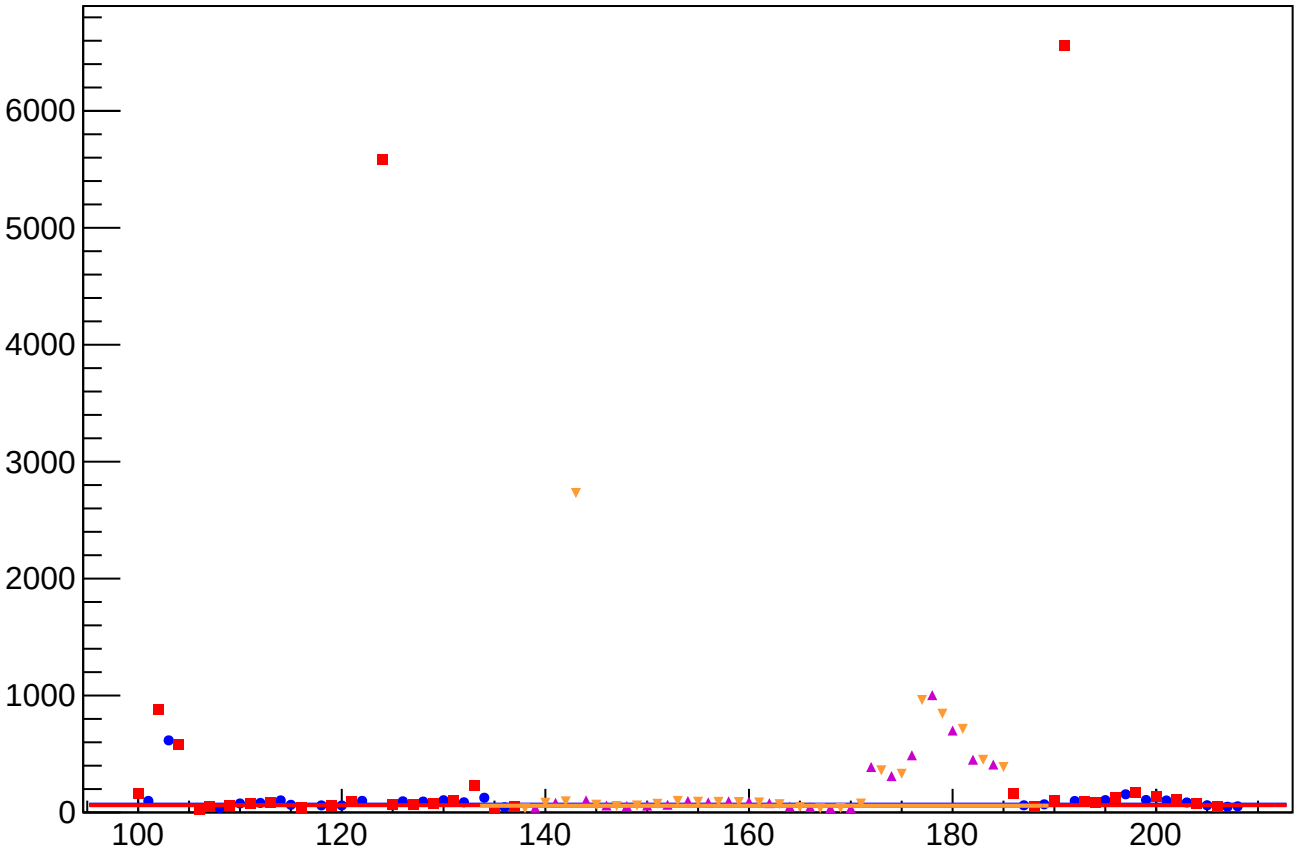
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.013 χ^2/NDF: 54.8/57

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.021+/-0.009 χ^2/NDF: 103.3/105



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

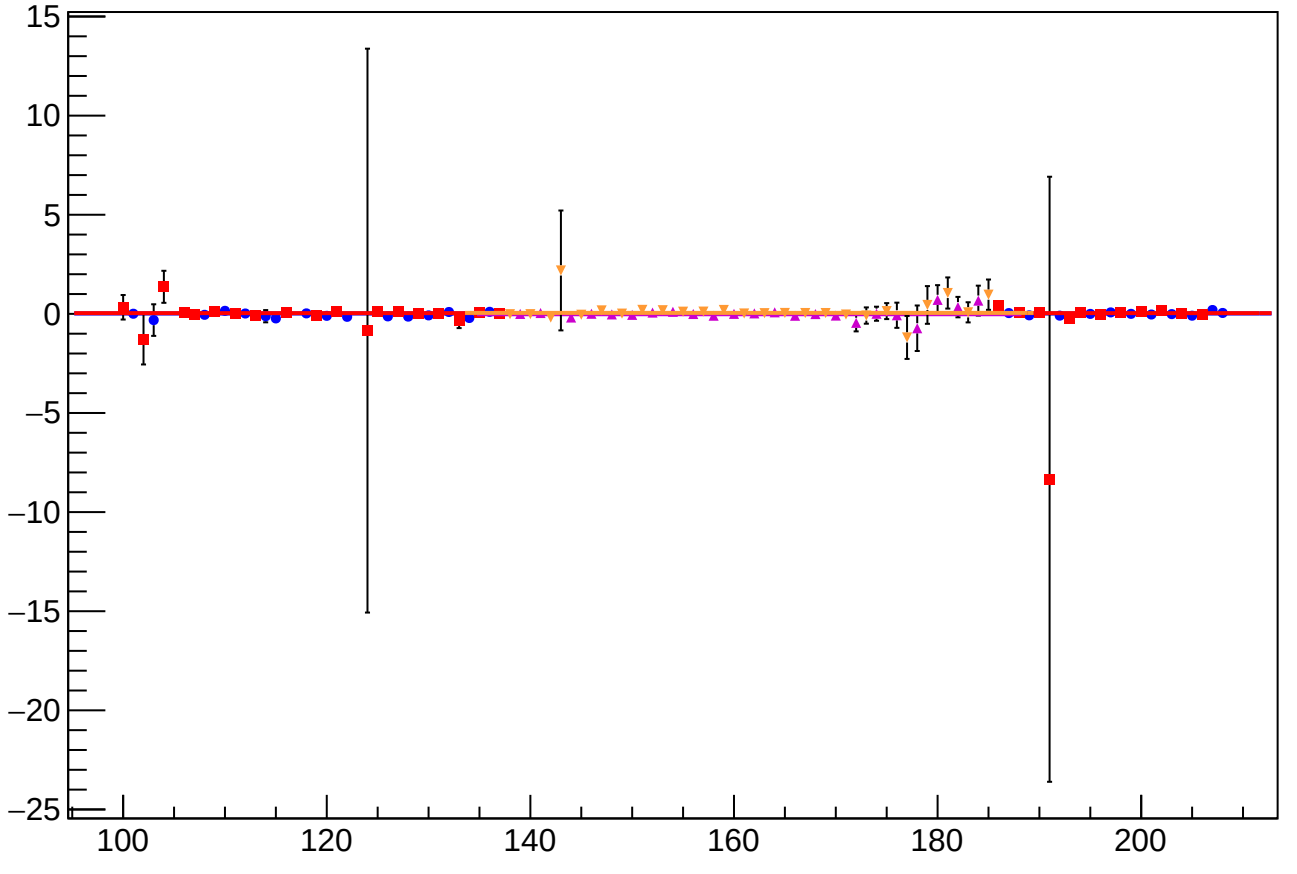
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.309+/-0.009 χ^2/NDF: 11542691.2/57

In: 62.269+/-0.009 χ^2/NDF:14657744.5/49

Out: 59.378+/-0.009 χ^2/NDF:19661841.2/55

All: 60.807+/-0.006 χ^2/NDF: 34371875.2/105



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

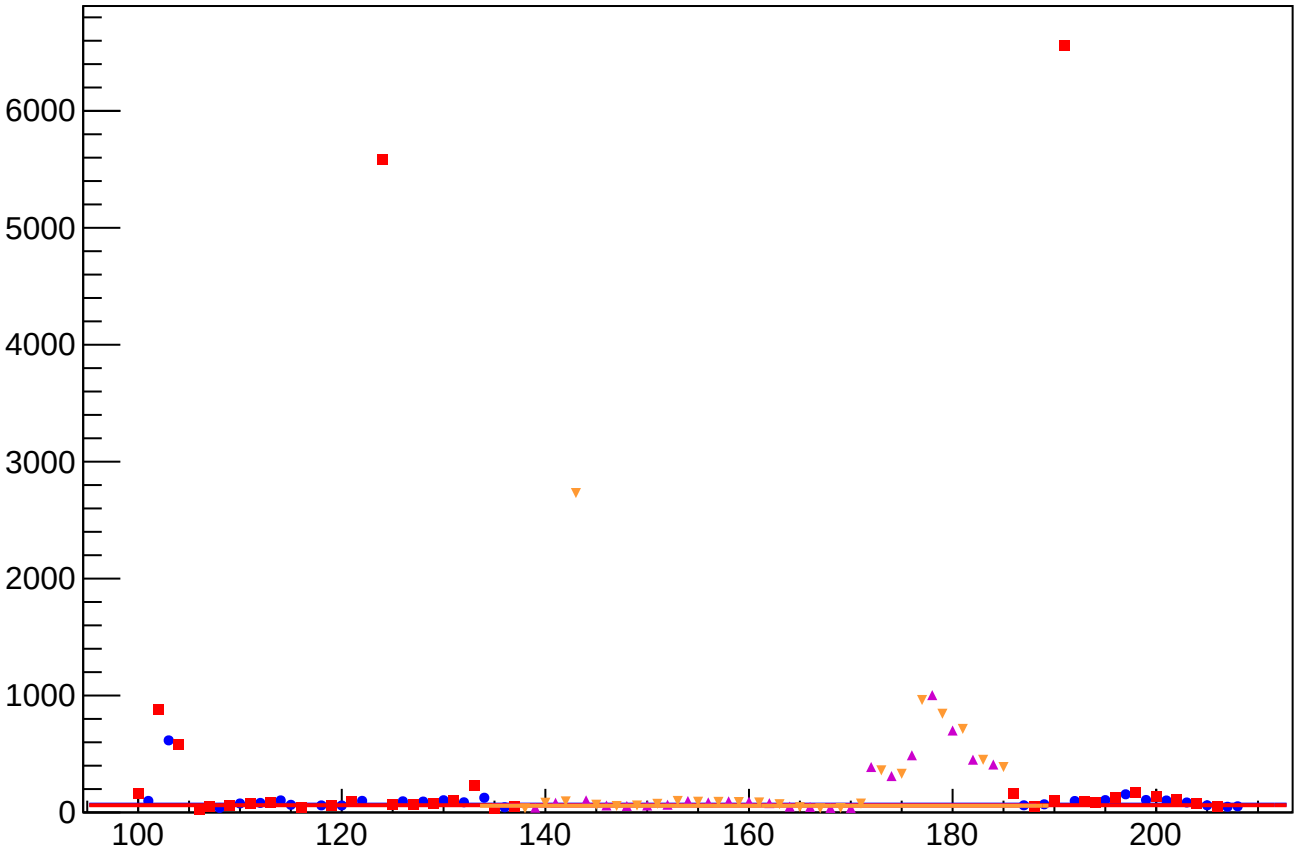
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.013 χ^2/NDF: 54.8/57

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.021+/-0.009 χ^2/NDF: 103.3/105



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

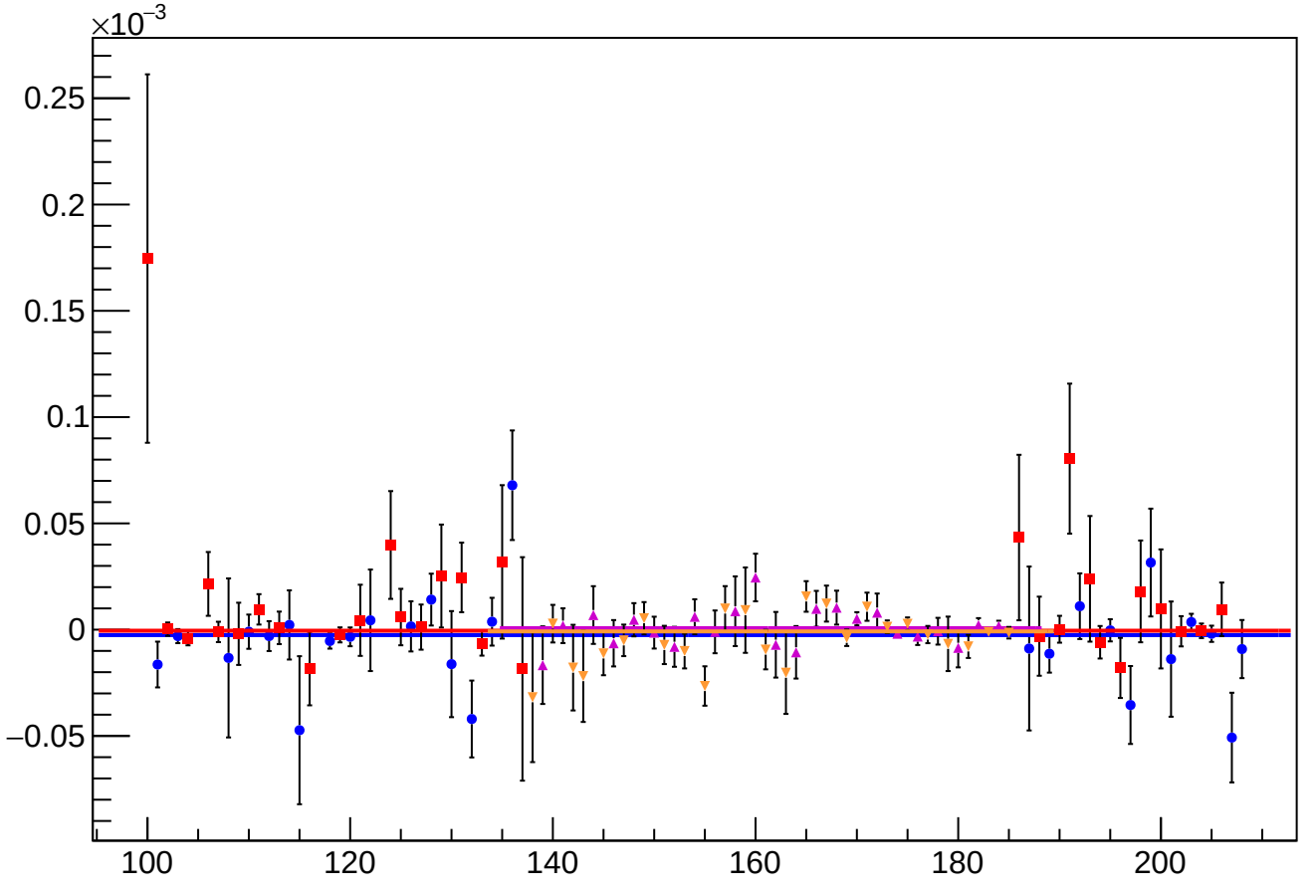
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.309+/-0.009 χ^2/NDF: 11542691.2/57

In: 62.269+/-0.009 χ^2/NDF:14657744.5/49

Out: 59.378+/-0.009 χ^2/NDF:19661841.2/55

All: 60.807+/-0.006 χ^2/NDF: 34371875.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/30

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

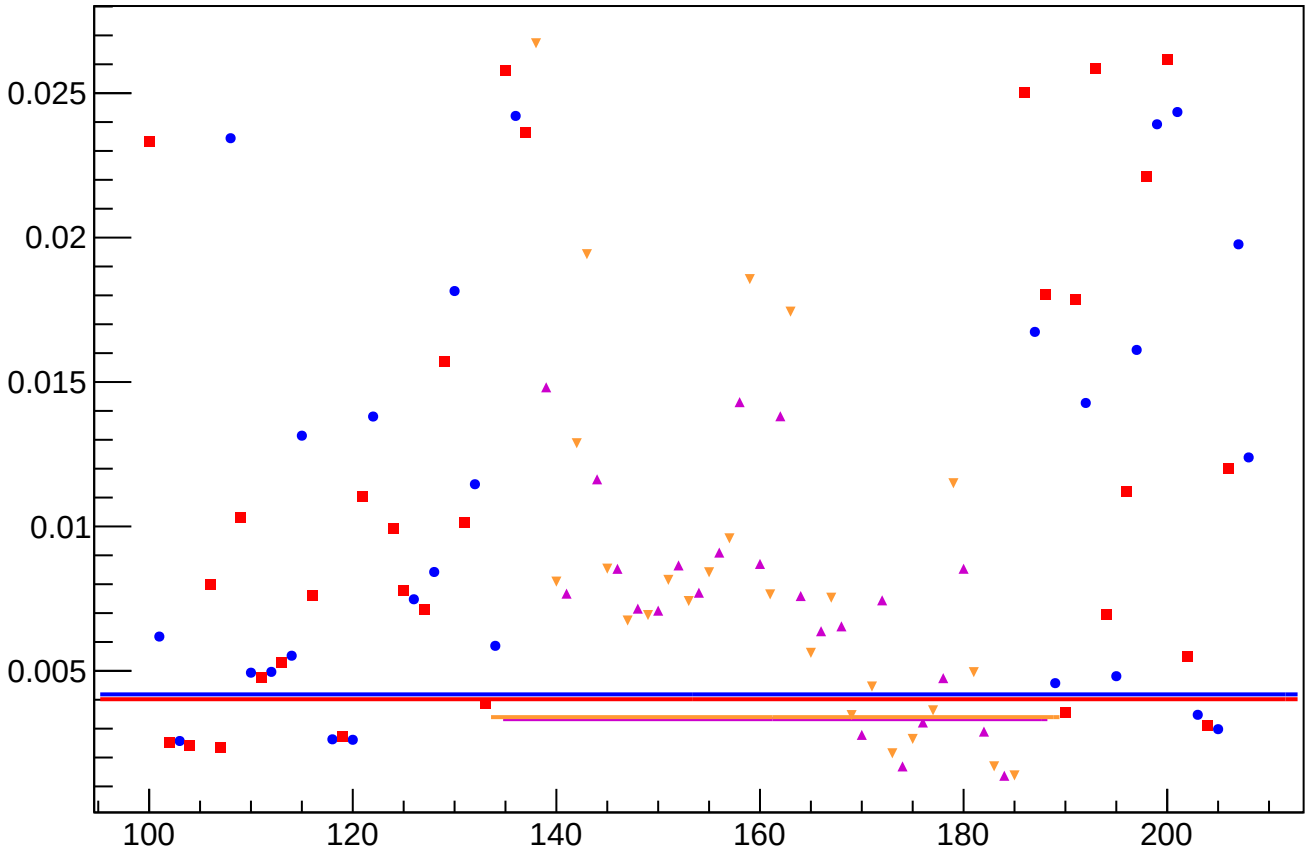
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.2/57

In: -0.000+/-0.000 χ^2/NDF:56.5/49

Out: -0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 119.2/105



Right In: 0.004+/-0.000 χ^2/NDF: 11156257.4/26

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 12103322.3/30

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

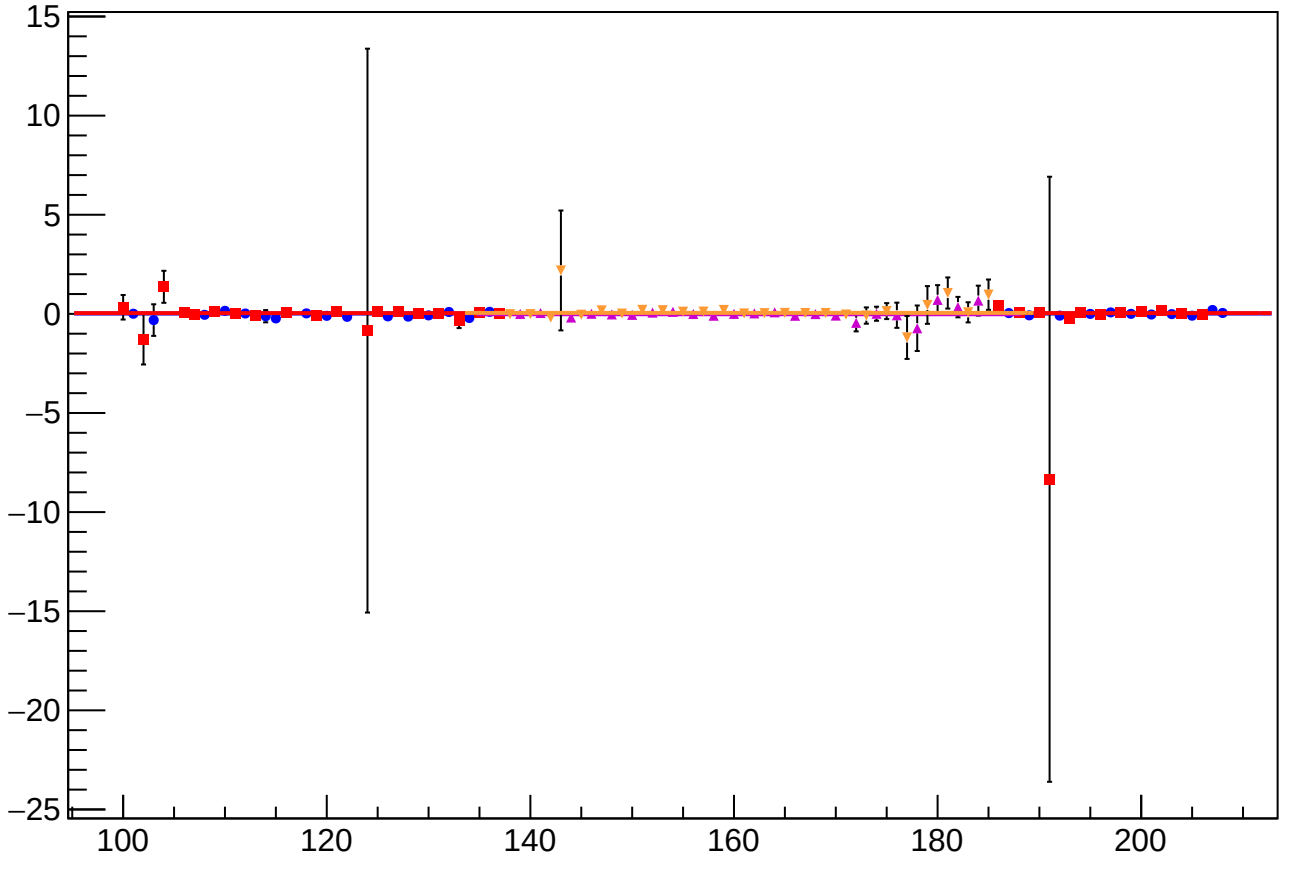
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 23274857.1/57

In: 0.004+/-0.000 χ^2/NDF:24201131.7/49

Out: 0.004+/-0.000 χ^2/NDF:26631532.7/55

All: 0.004+/-0.000 χ^2/NDF: 50832669.2/105



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

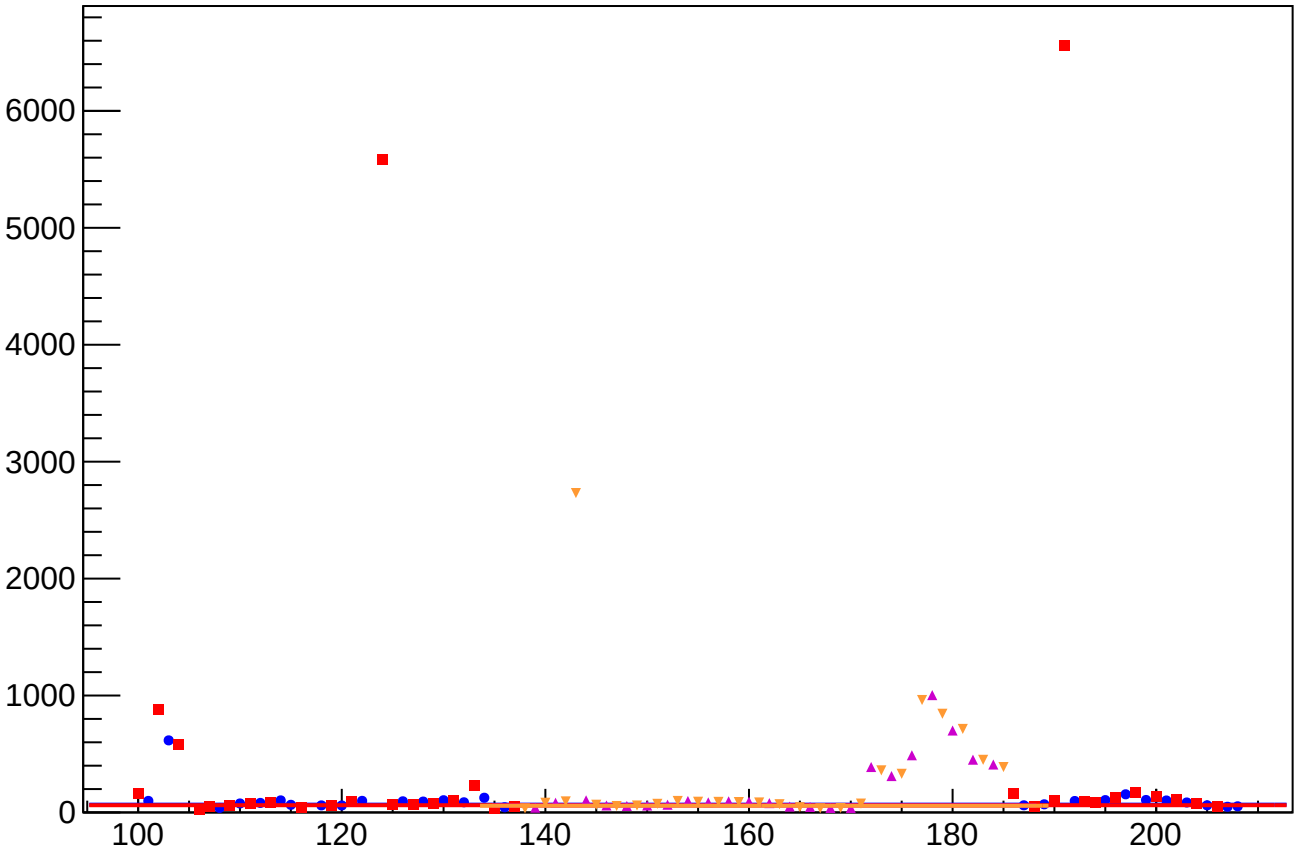
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.013 χ^2/NDF: 54.8/57

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.021+/-0.009 χ^2/NDF: 103.3/105



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

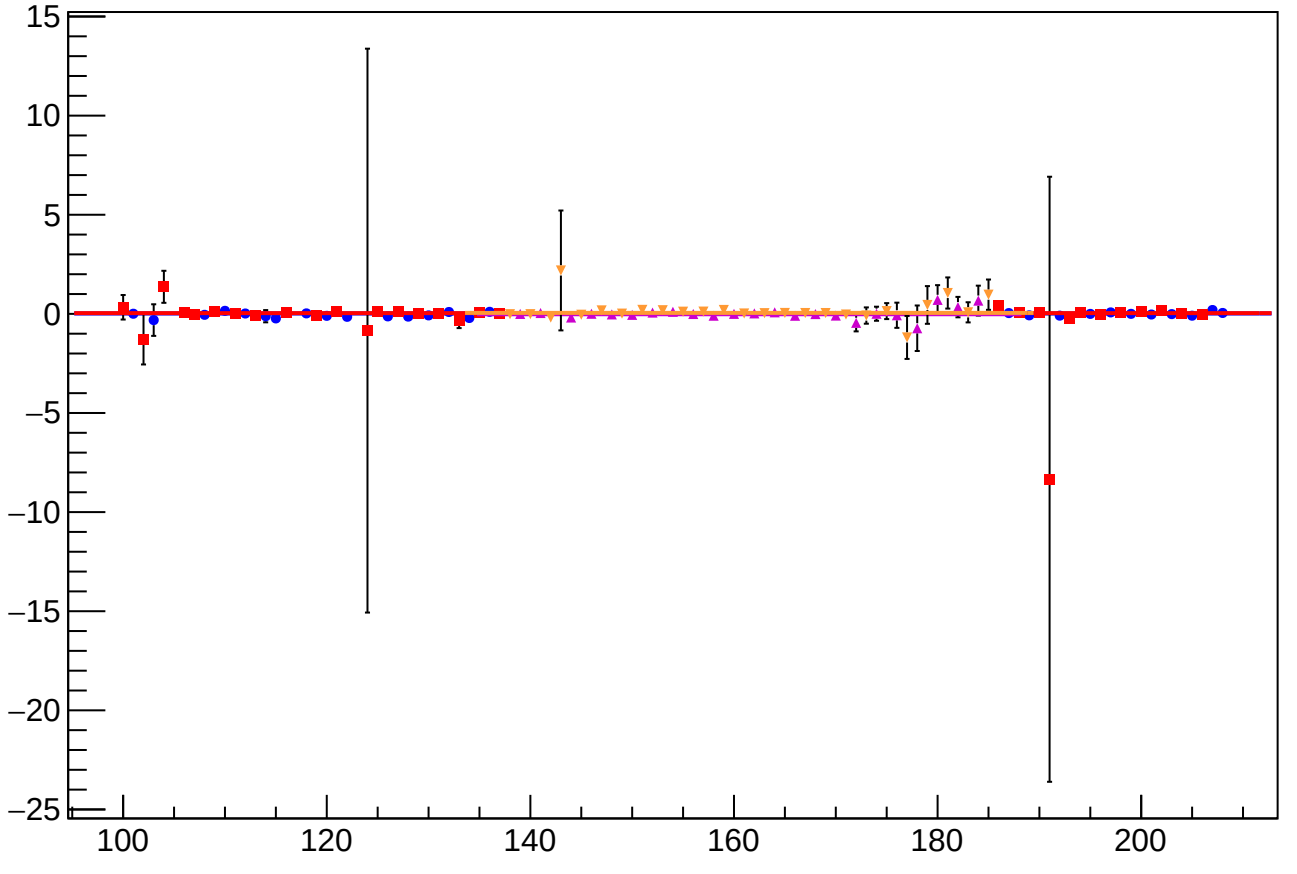
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 64.308+/-0.009 χ^2/NDF: 11542870.1/57

In: 62.272+/-0.009 χ^2/NDF:14656317.5/49

Out: 59.376+/-0.009 χ^2/NDF:19662456.1/55

All: 60.807+/-0.006 χ^2/NDF: 34371250.2/105



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

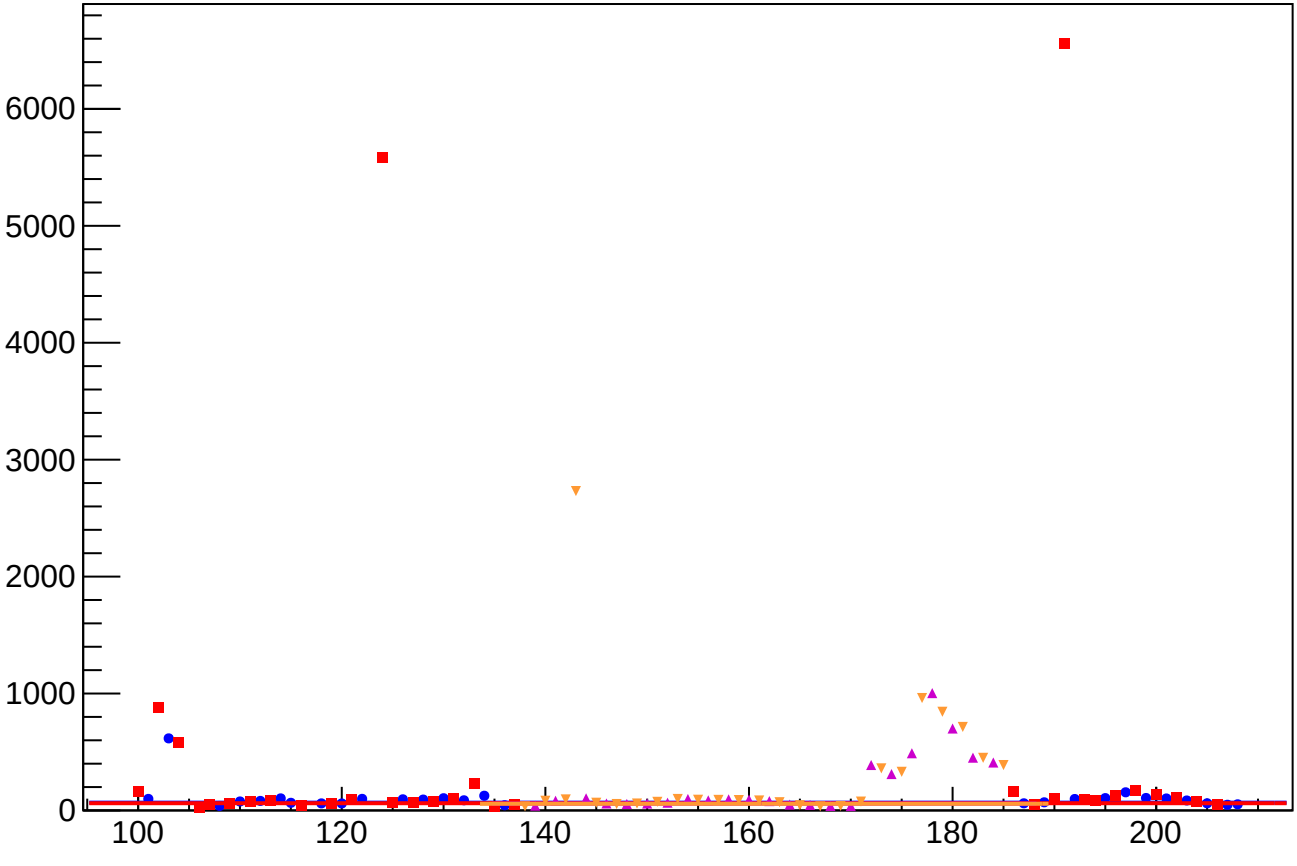
Right: 0.027+/-0.013 χ^2/NDF: 54.8/57

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.021+/-0.009 χ^2/NDF: 103.3/105

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

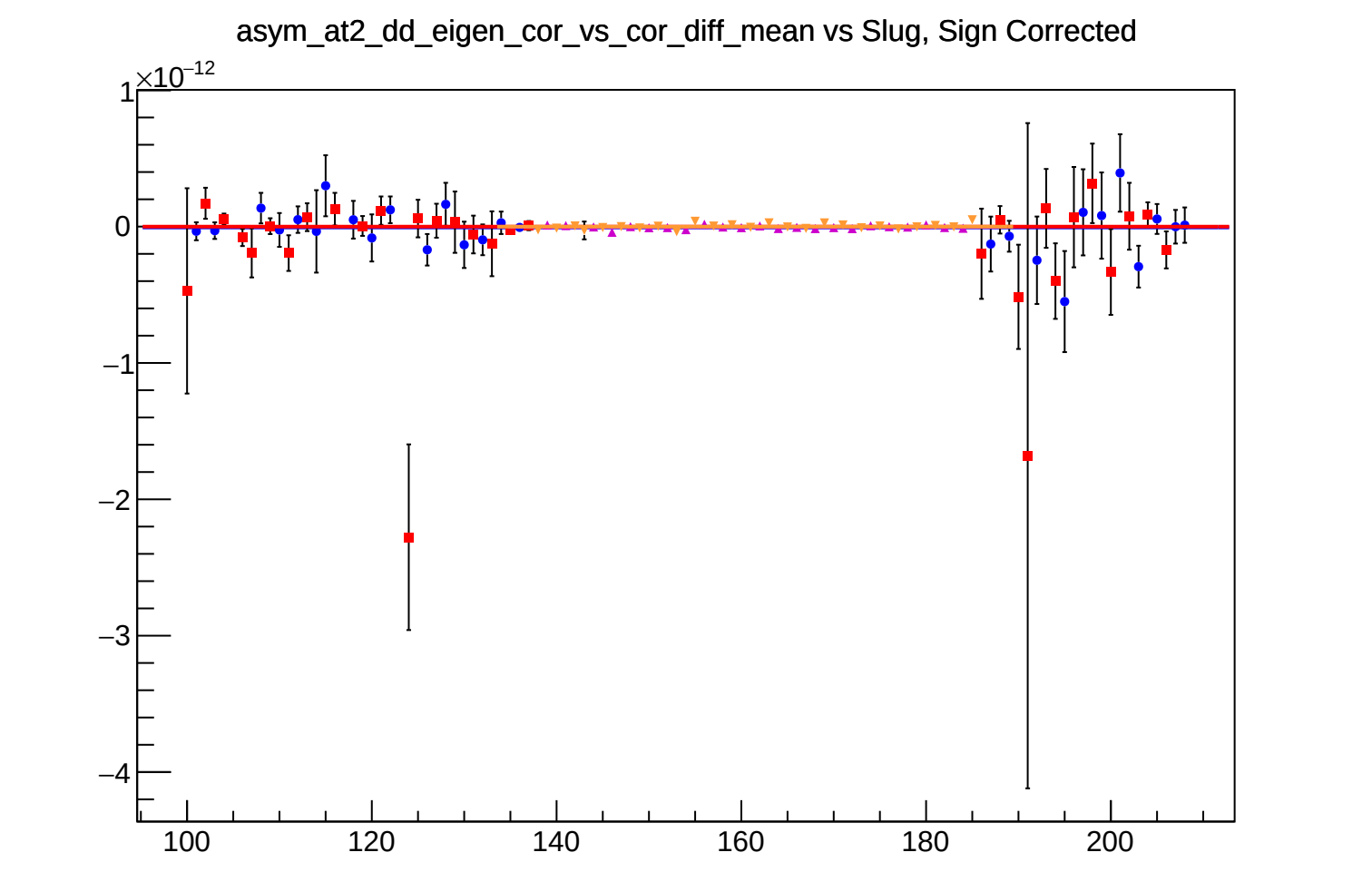
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 64.308+/-0.009 χ^2/NDF: 11542870.1/57

In: 62.272+/-0.009 χ^2/NDF:14656317.5/49

Out: 59.376+/-0.009 χ^2/NDF:19662456.1/55

All: 60.807+/-0.006 χ^2/NDF: 34371250.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/30

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

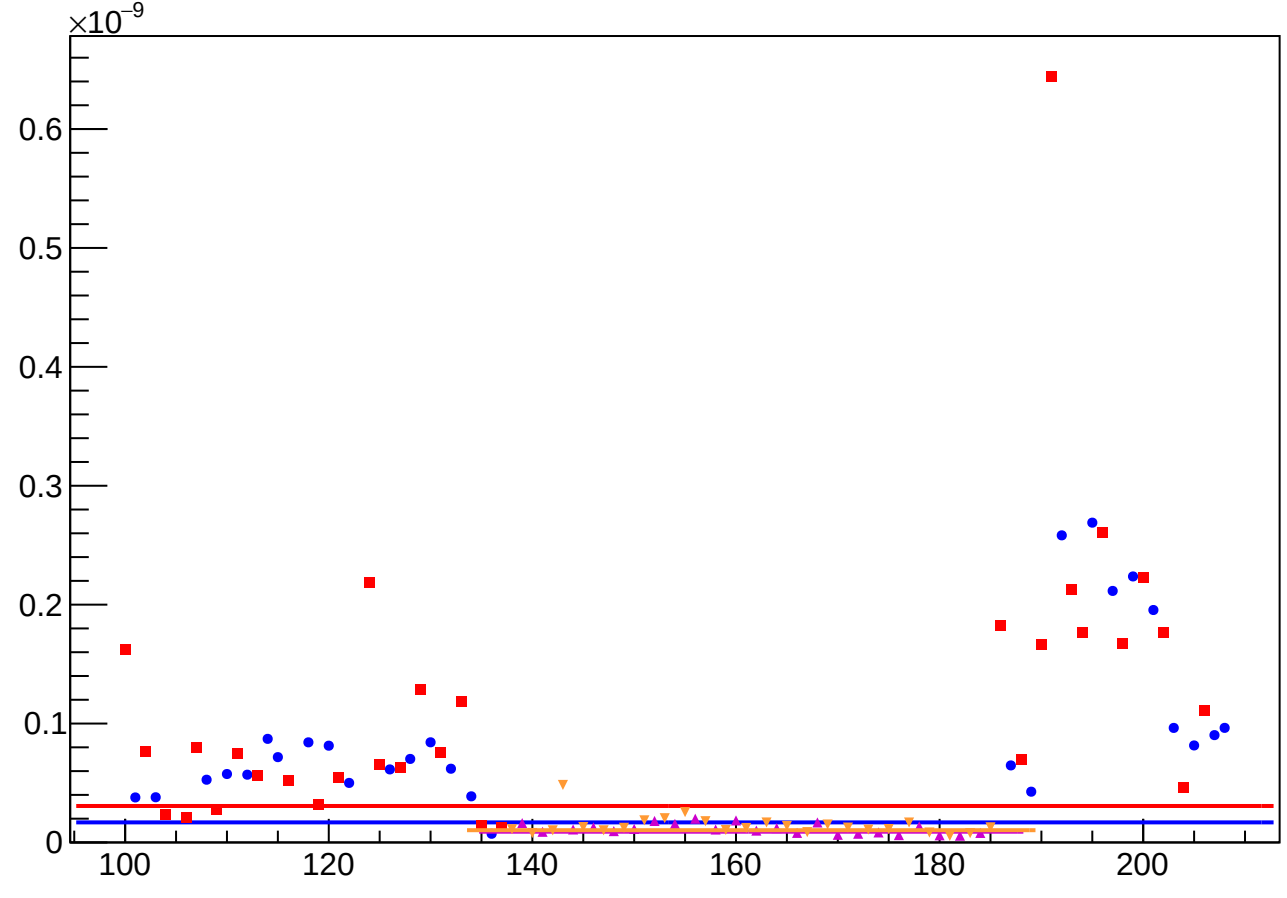
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 55.8/57

In: -0.000+/-0.000 χ^2/NDF:35.8/49

Out: -0.000+/-0.000 χ^2/NDF:54.2/55

All: -0.000+/-0.000 χ^2/NDF: 90.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 12586563.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9748024.2/30

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

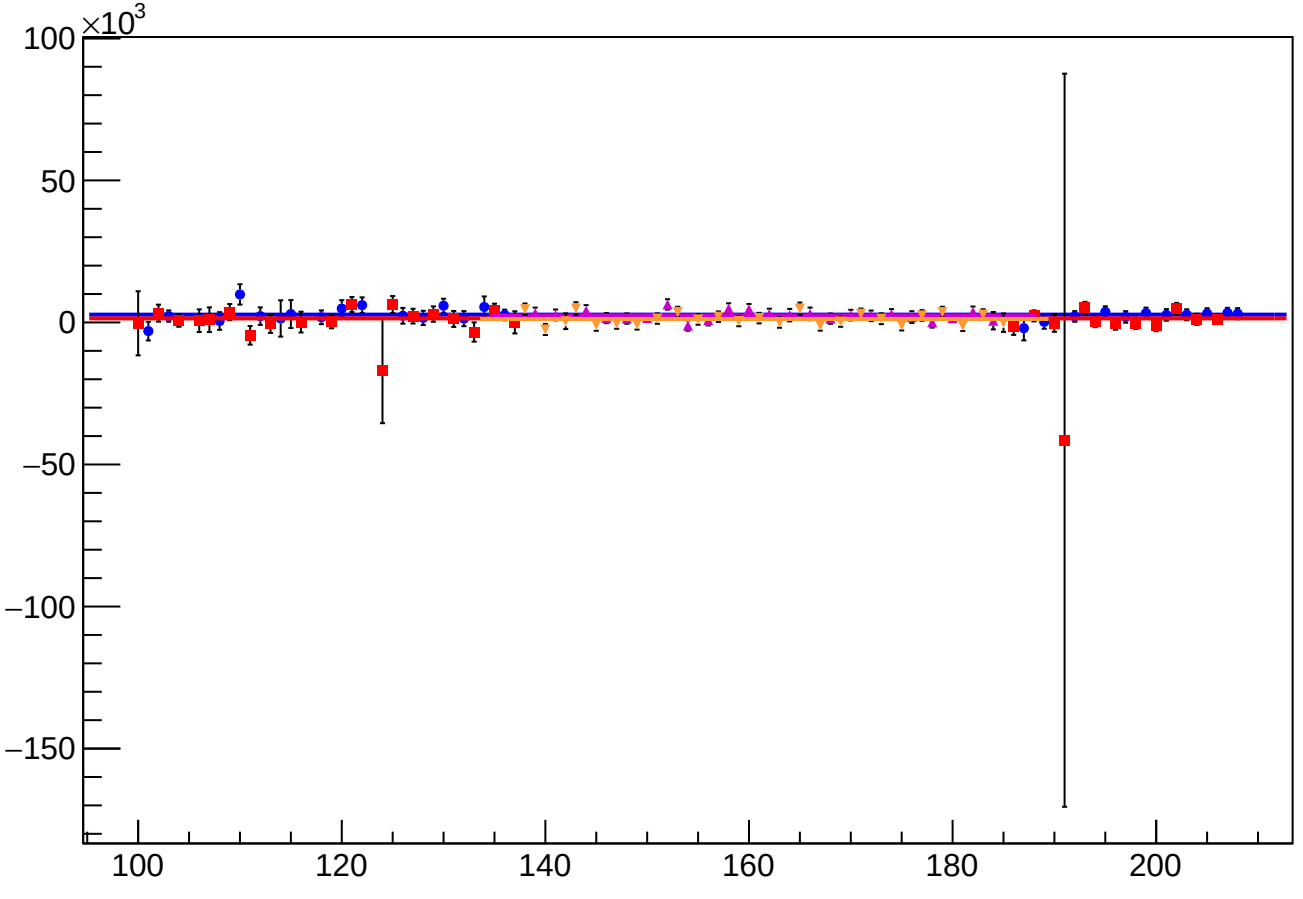
Right: 0.000+/-0.000 χ^2/NDF: 23562522.8/57

In: 0.000+/-0.000 χ^2/NDF:16759284.0/49

Out: 0.000+/-0.000 χ^2/NDF:17195617.6/55

All: 0.000+/-0.000 χ^2/NDF: 34252949.4/105

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2748.567+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1423.780+/-465.741 χ^2/NDF: 27.8/30

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

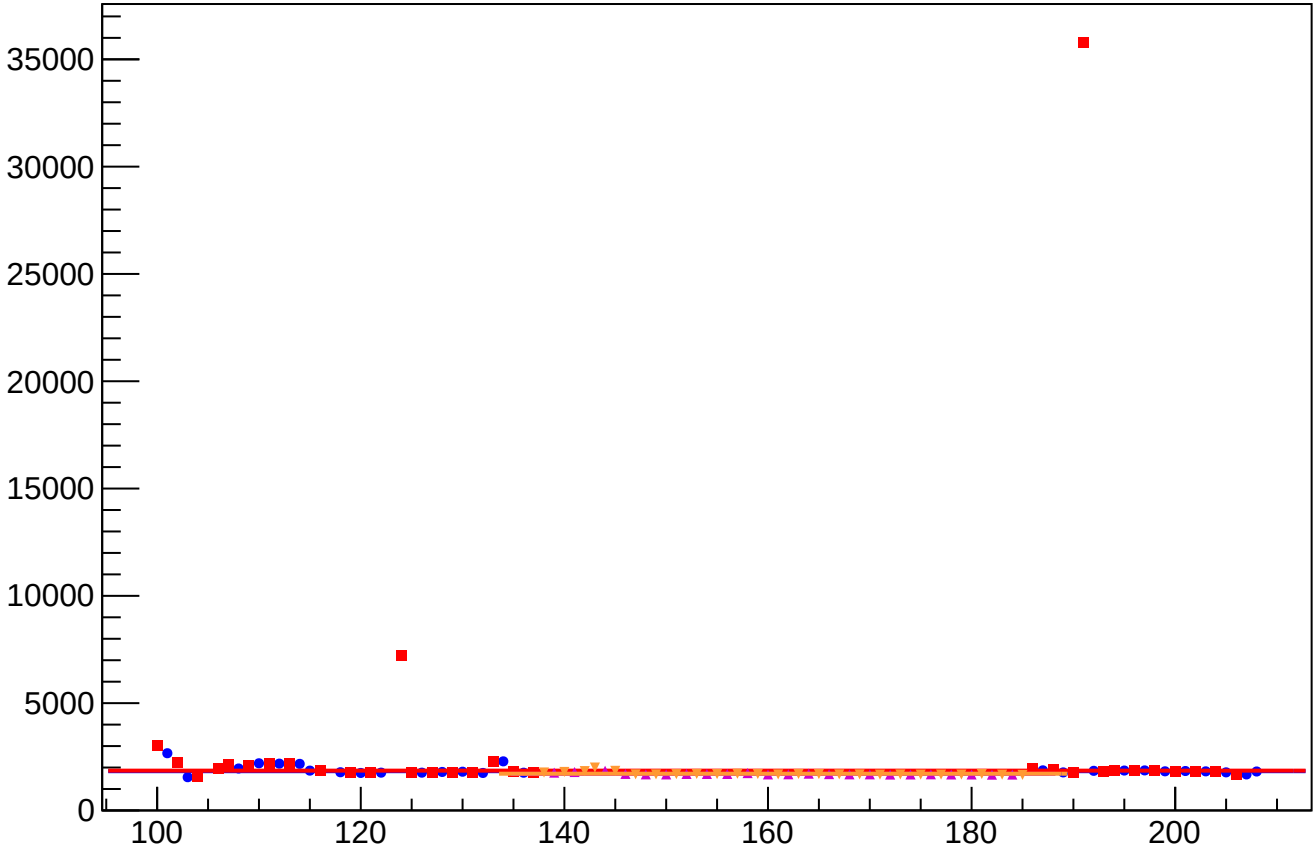
Right: 2092.197+/-327.828 χ^2/NDF: 47.4/57

In: 2571.021+/-301.392 χ^2/NDF:33.3/49

Out: 1293.411+/-298.621 χ^2/NDF:54.2/55

All: 1926.316+/-212.130 χ^2/NDF: 96.6/105

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.9/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.293+/-0.329 χ^2/NDF: 542736.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

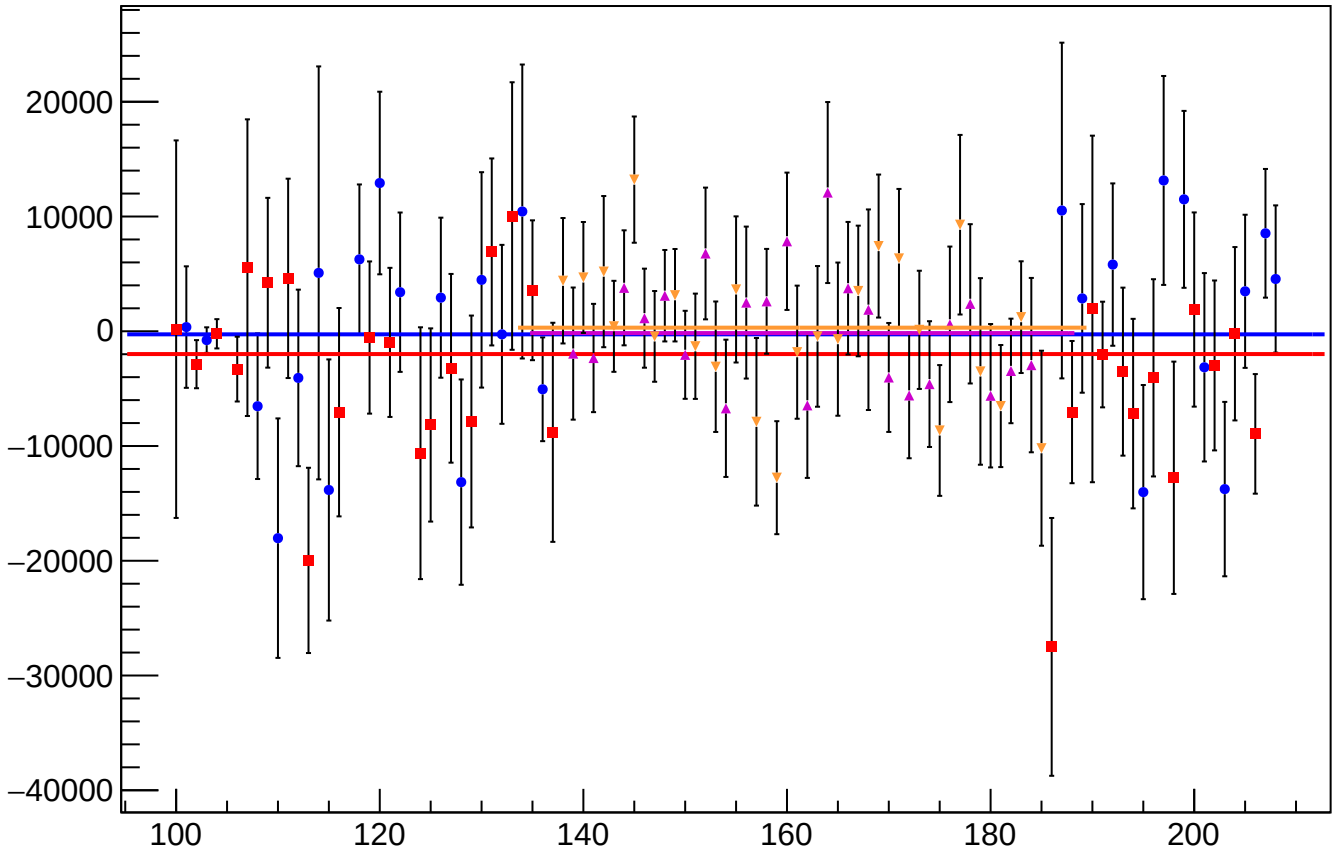
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1842.106+/-0.232 χ^2/NDF: 830331.7/57

In: 1757.345+/-0.213 χ^2/NDF:391337.7/49

Out: 1770.847+/-0.211 χ^2/NDF:714774.5/55

All: 1764.161+/-0.150 χ^2/NDF: 1108138.6/10



Right In: -268.068+/-887.691 χ^2/NDF: 28.9/26

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1986.902+/-838.969 χ^2/NDF: 24.1/30

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

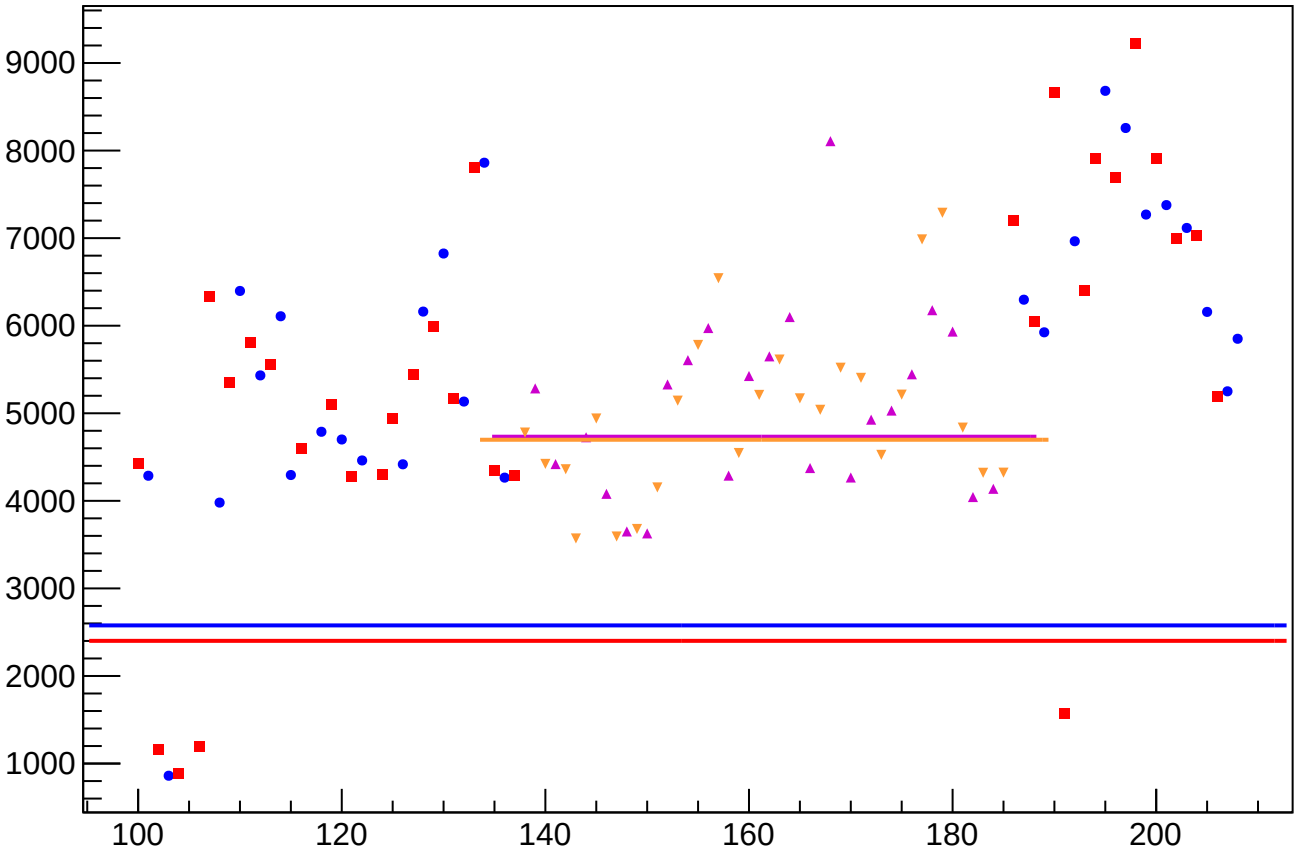
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1175.948+/-609.738 χ^2/NDF: 55.0/57

In: -225.980+/-697.690 χ^2/NDF:43.6/49

Out: -1132.825+/-665.285 χ^2/NDF:53.9/55

All: -700.951+/-481.476 χ^2/NDF: 98.4/105



Right In: 2577.523+/-0.628 χ^2/NDF: 14493928.6/26

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2401.136+/-0.593 χ^2/NDF: 14960774.7/30

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

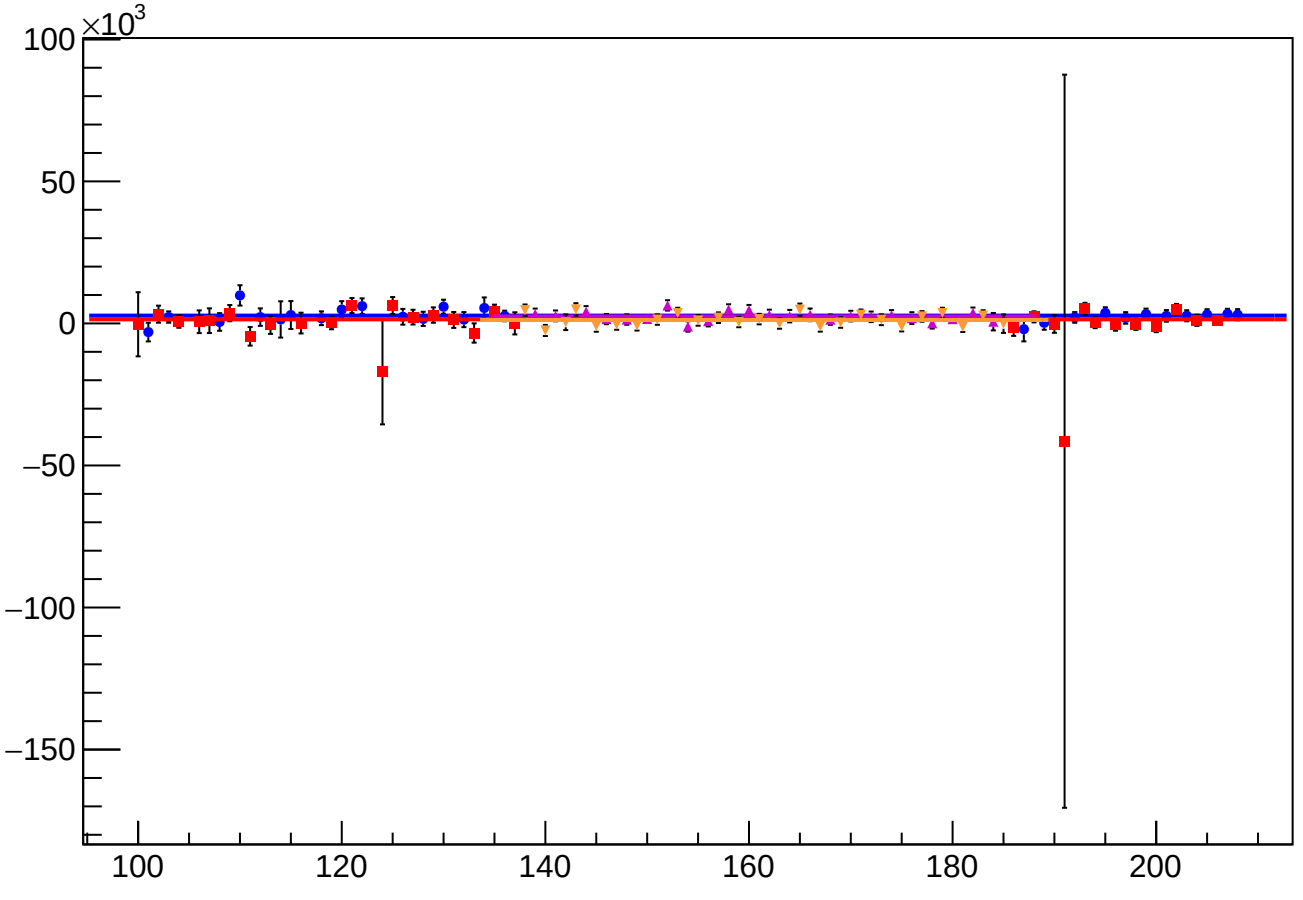
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2484.356+/-0.431 χ^2/NDF: 29496412.6/57

In: 3401.269+/-0.493 χ^2/NDF:20242052.2/49

Out: 3253.555+/-0.470 χ^2/NDF:21762454.5/55

All: 3323.902+/-0.340 χ^2/NDF: 42051461.5/



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1423.221+/-465.741 χ^2/NDF: 27.8/30

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

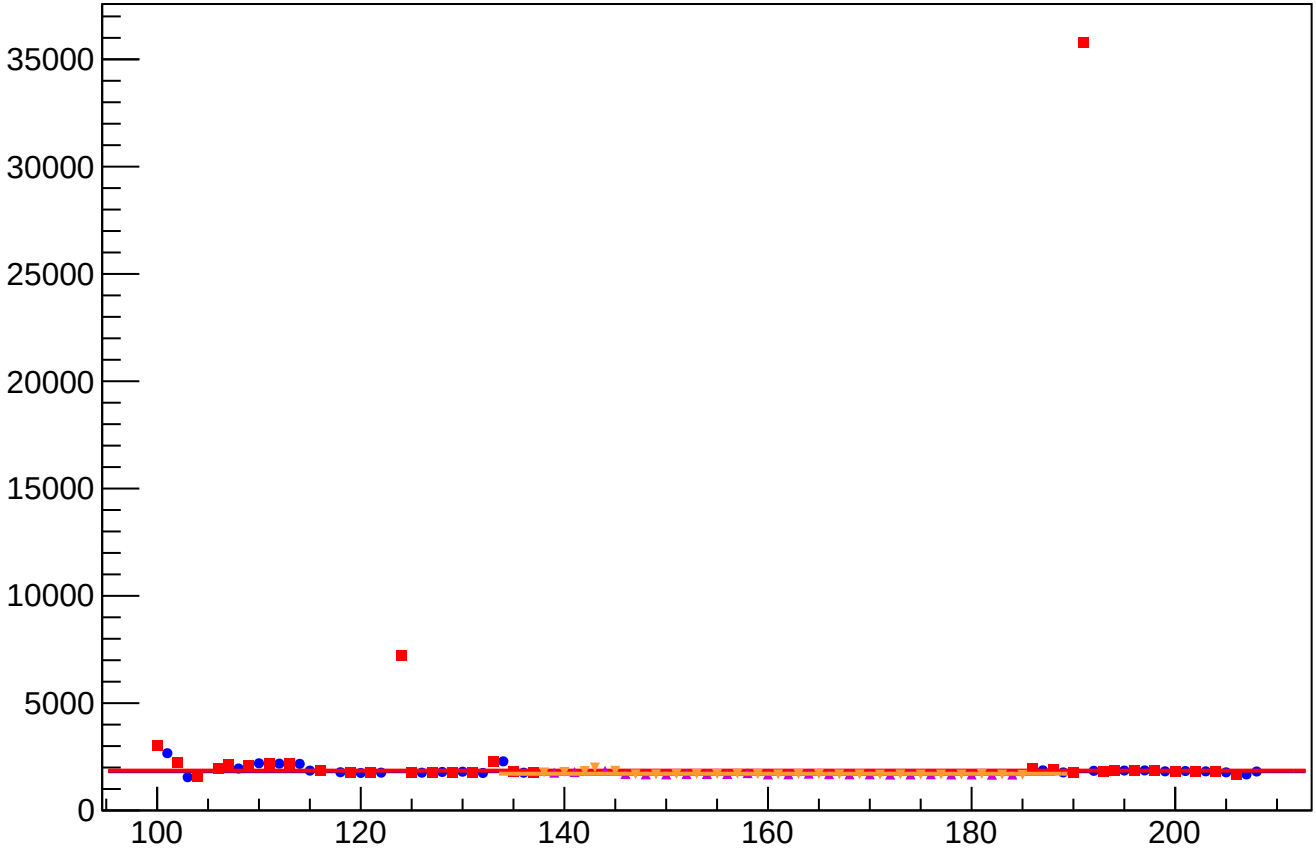
Right: 2092.000+/-327.828 χ^2/NDF: 47.4/57

In: 2571.049+/-301.392 χ^2/NDF:33.3/49

Out: 1293.124+/-298.622 χ^2/NDF:54.2/55

All: 1926.185+/-212.130 χ^2/NDF: 96.6/105

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

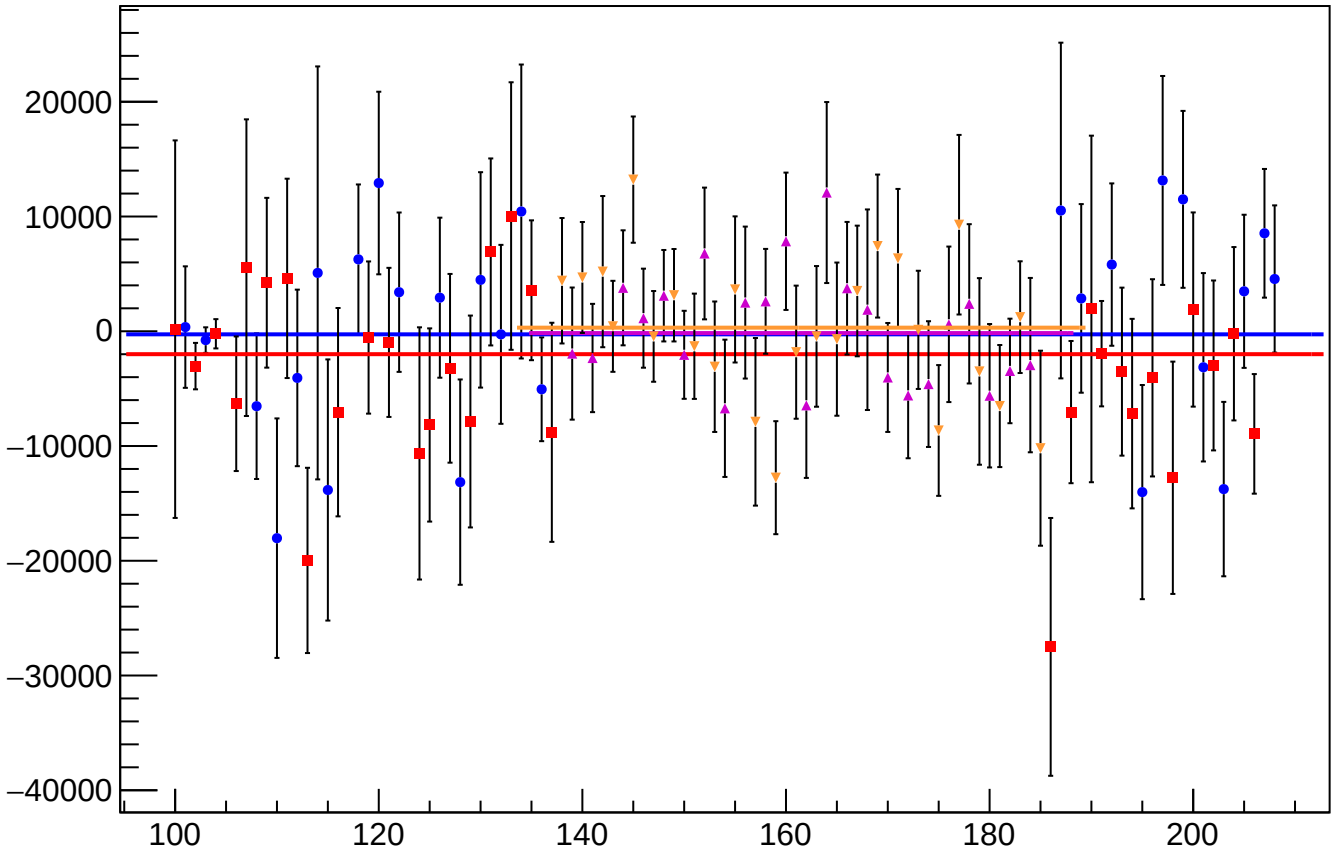
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1842.200+/-0.232 χ^2/NDF: 830751.3/57

In: 1757.345+/-0.213 χ^2/NDF:391337.6/49

Out: 1770.920+/-0.211 χ^2/NDF:715434.7/55

All: 1764.197+/-0.150 χ^2/NDF: 1108820.4/10



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1996.393+/-863.455 χ^2/NDF: 24.5/30

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

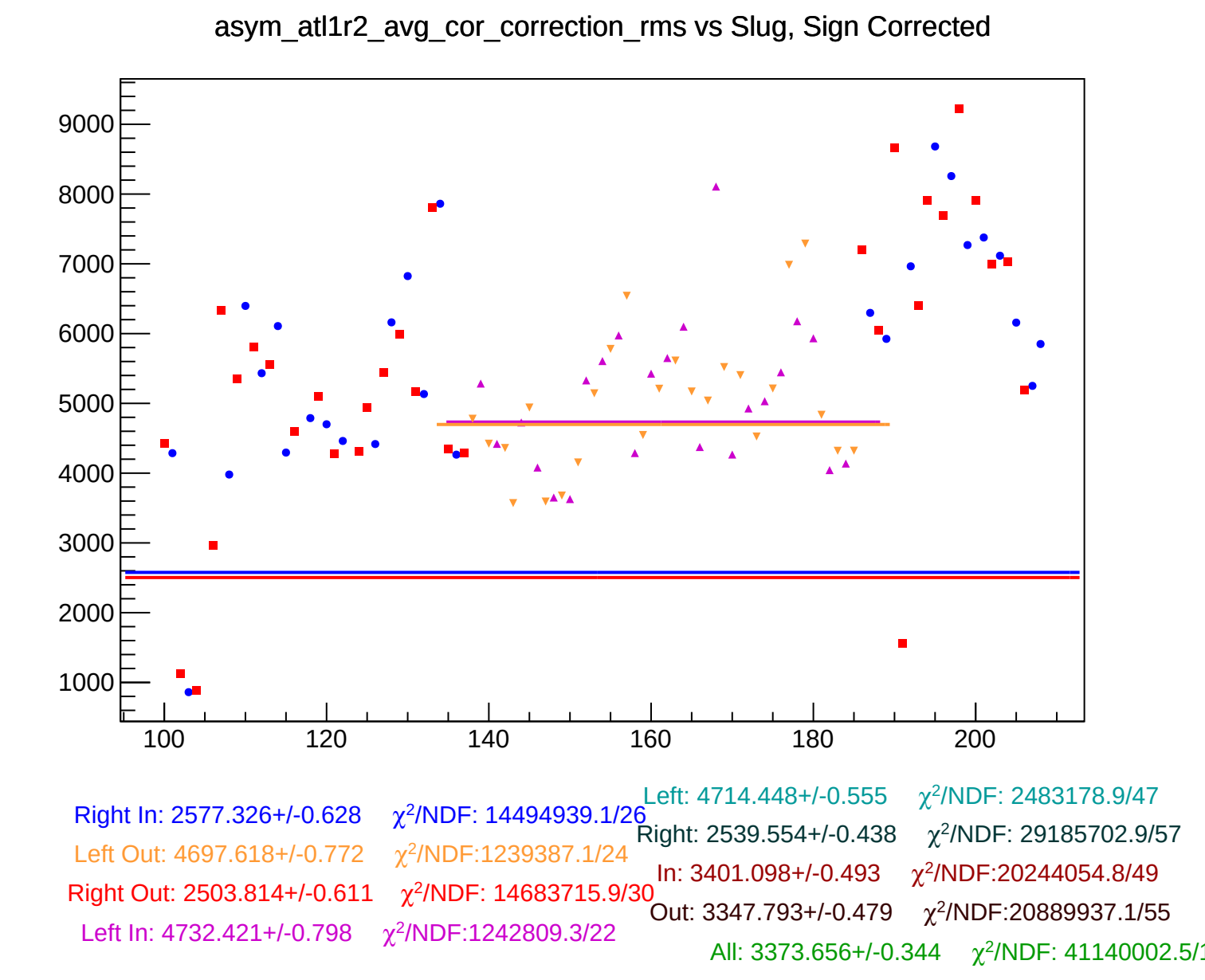
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

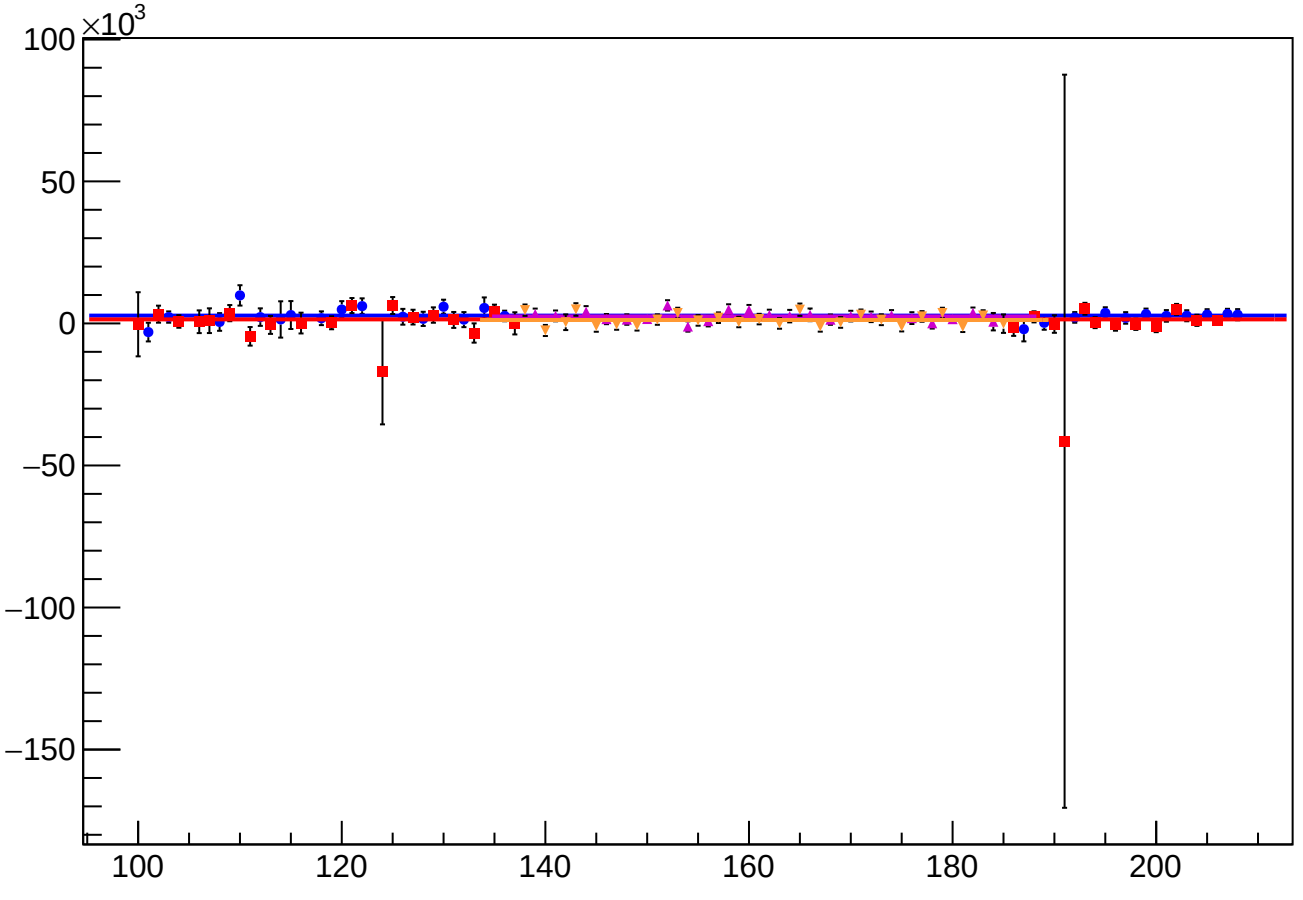
Right: -1155.920+/-618.932 χ^2/NDF: 55.4/57

In: -225.751+/-697.670 χ^2/NDF:43.6/49

Out: -1107.528+/-677.298 χ^2/NDF:54.3/55

All: -679.702+/-485.964 χ^2/NDF: 98.8/105


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2577.326+/-0.628 χ²/NDF: 14494939.1/26
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2503.814+/-0.611 χ²/NDF: 14683715.9/30
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2539.554+/-0.438 χ²/NDF: 29185702.9/57
In: 3401.098+/-0.493 χ²/NDF:20244054.8/49
Out: 3347.793+/-0.479 χ²/NDF:20889937.1/55
All: 3373.656+/-0.344 χ²/NDF: 41140002.5/1



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1423.221+/-465.741 χ^2/NDF: 27.8/30

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

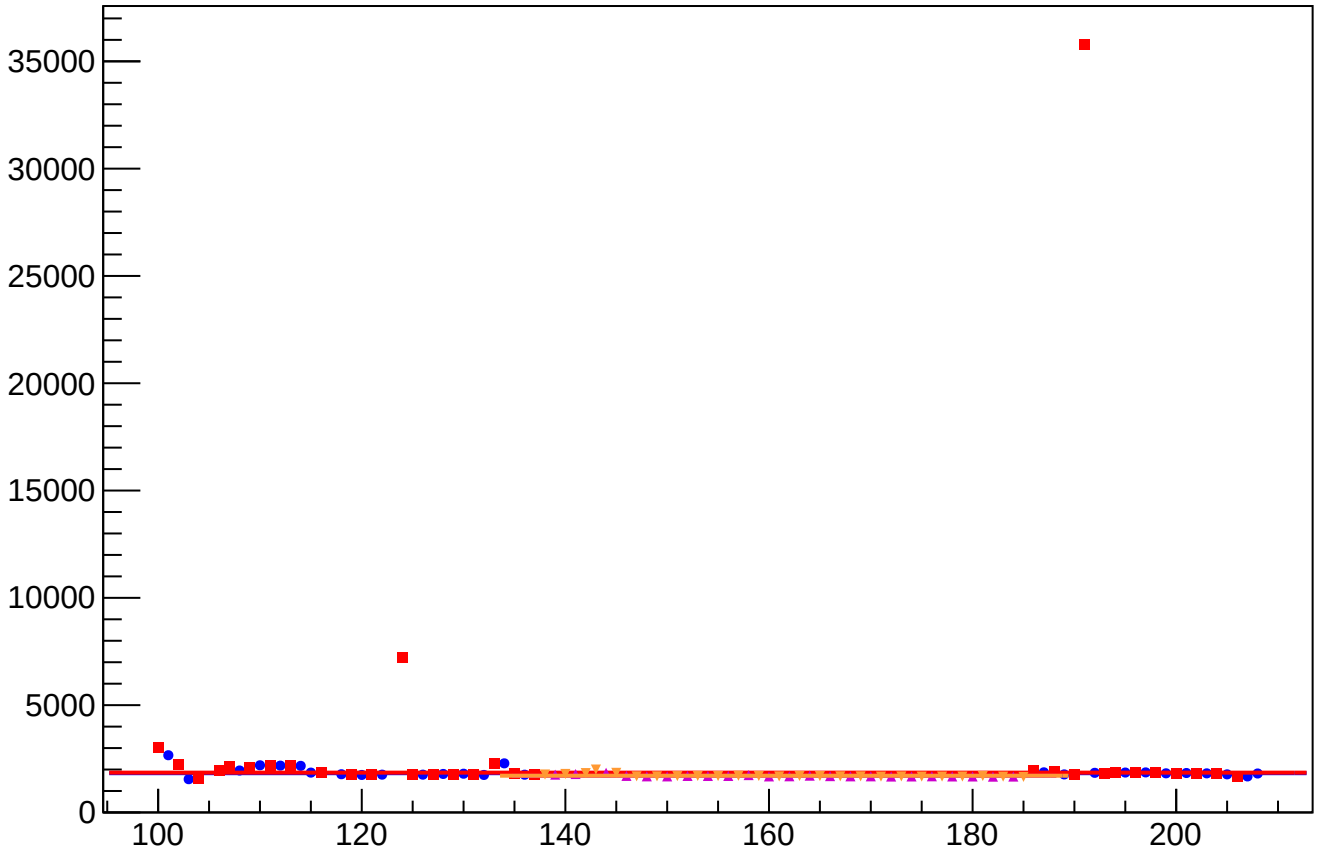
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2092.000+/-327.828 χ^2/NDF: 47.4/57

In: 2571.049+/-301.392 χ^2/NDF:33.3/49

Out: 1293.124+/-298.622 χ^2/NDF:54.2/55

All: 1926.185+/-212.130 χ^2/NDF: 96.6/105



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

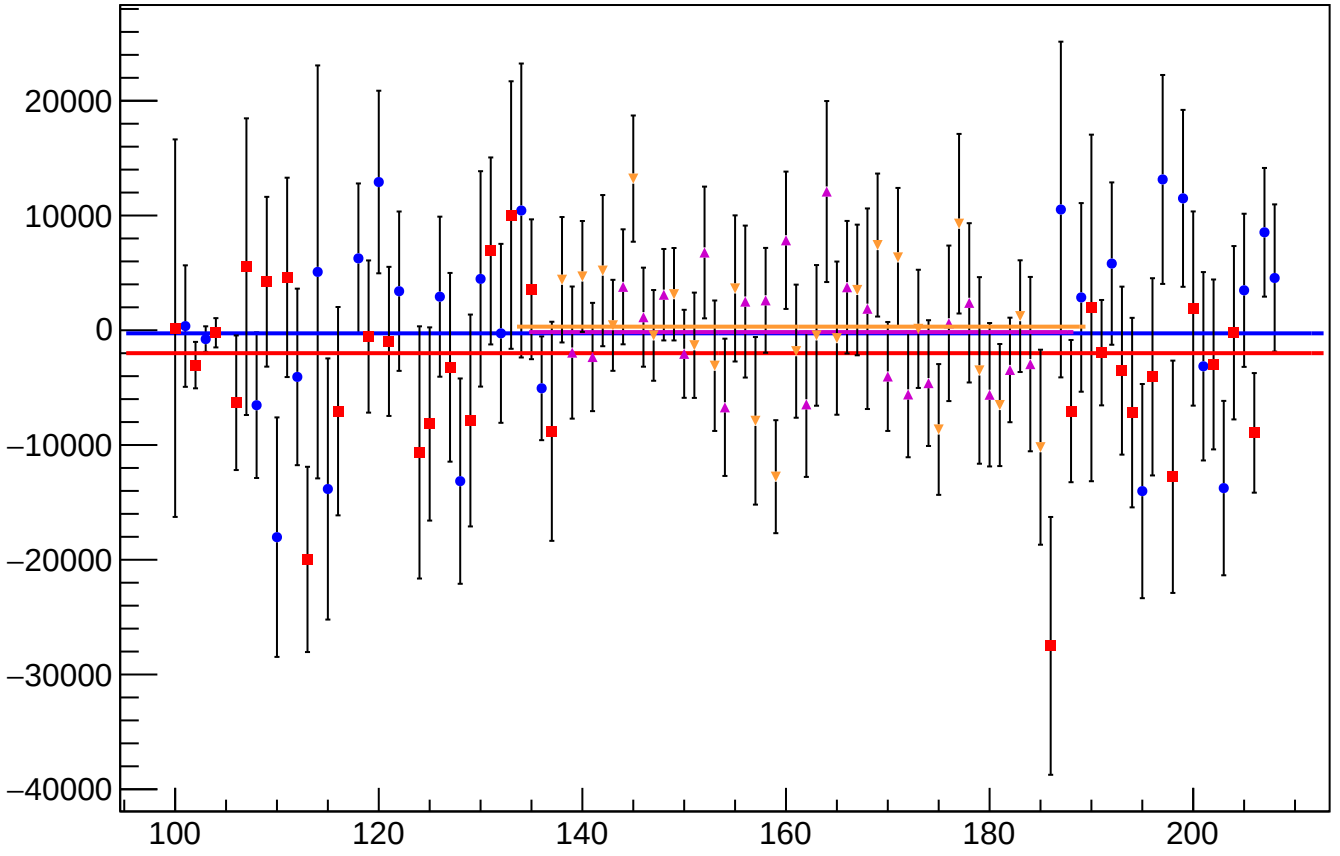
Right: 1842.200+/-0.232 χ^2/NDF: 830751.3/57

In: 1757.345+/-0.213 χ^2/NDF:391337.6/49

Out: 1770.920+/-0.211 χ^2/NDF:715434.7/55

All: 1764.197+/-0.150 χ^2/NDF: 1108820.4/10

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1996.393+/-863.455 χ^2/NDF: 24.5/30

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

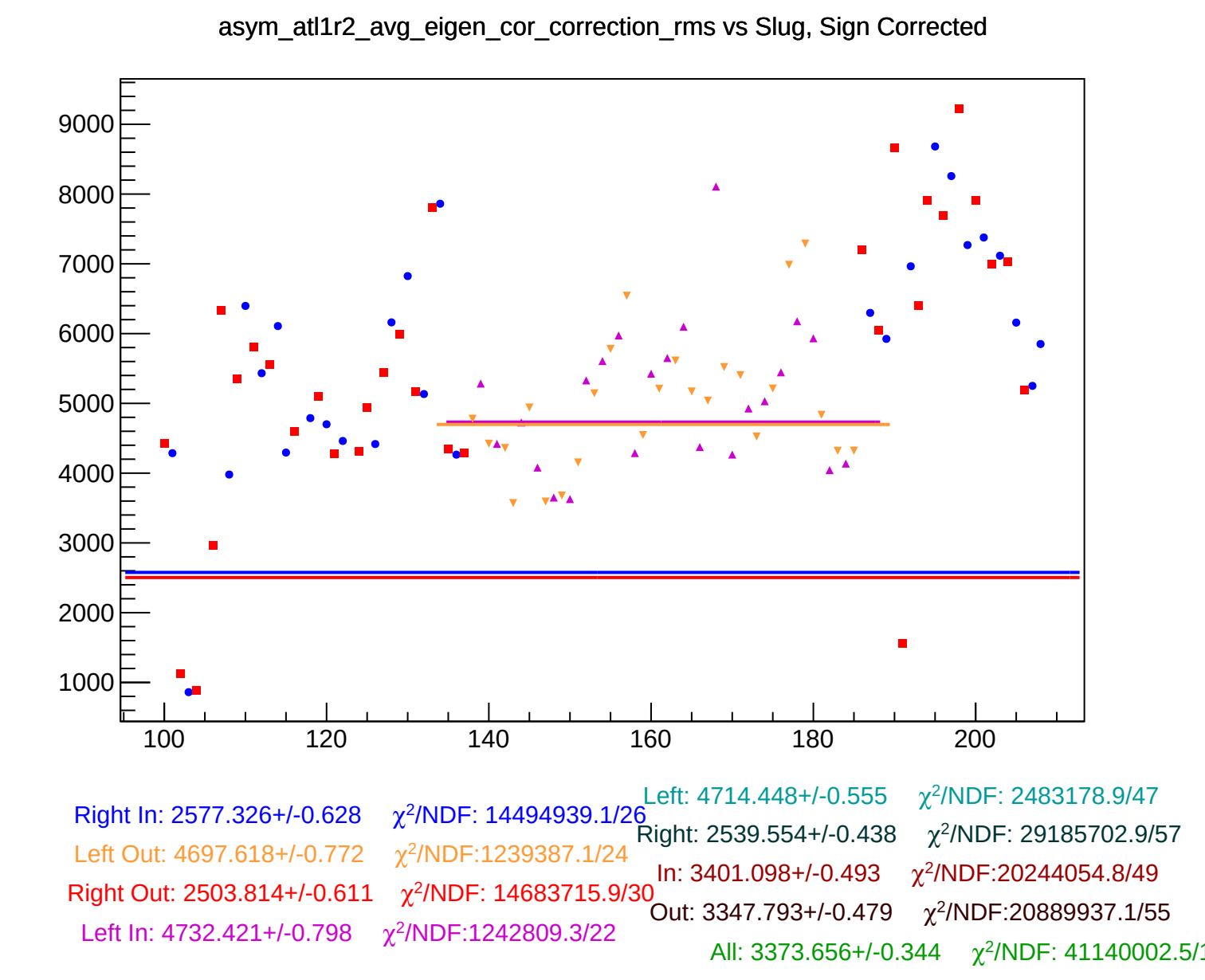
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

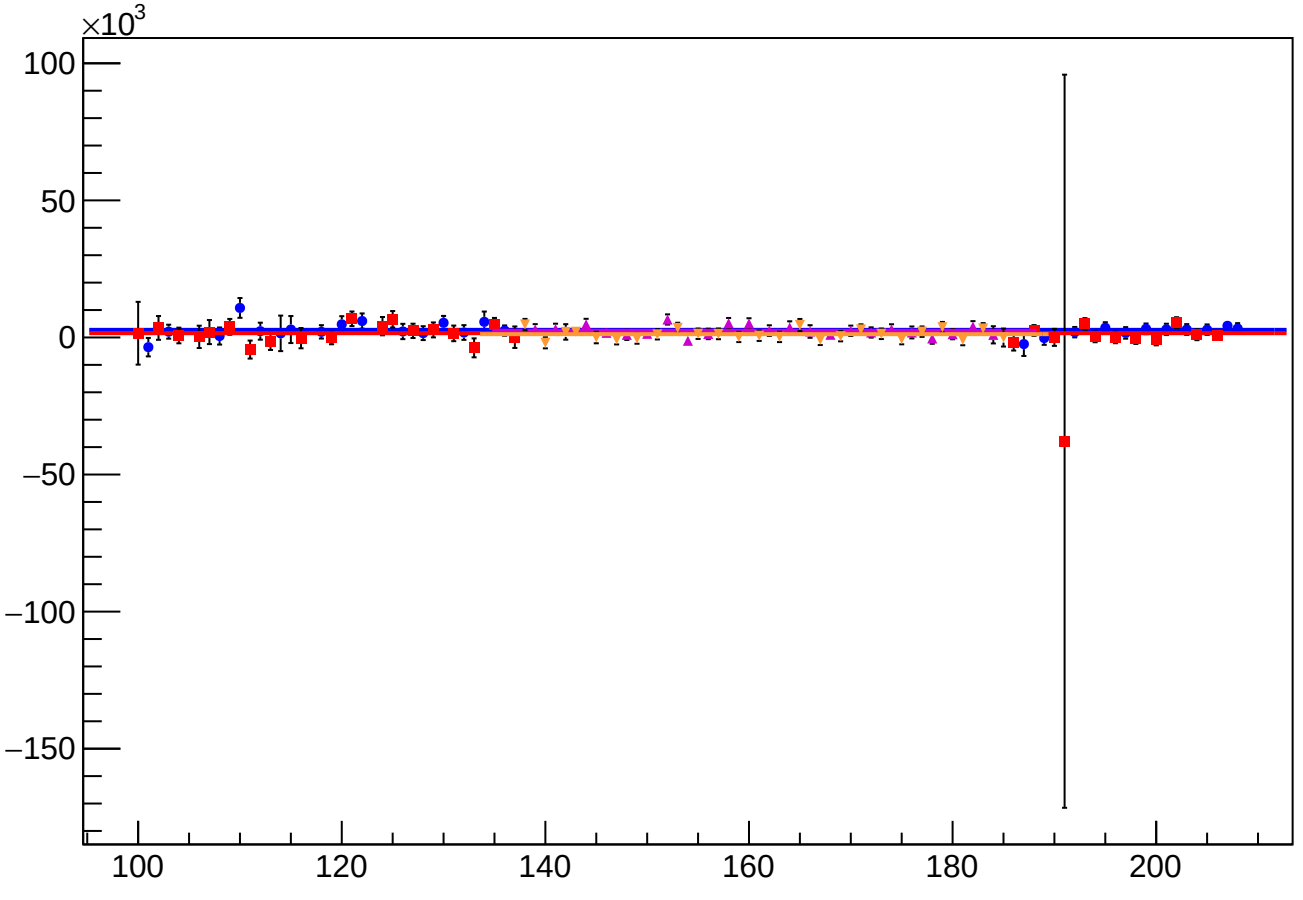
Right: -1155.920+/-618.932 χ^2/NDF: 55.4/57

In: -225.751+/-697.670 χ^2/NDF:43.6/49

Out: -1107.528+/-677.298 χ^2/NDF:54.3/55

All: -679.702+/-485.964 χ^2/NDF: 98.8/105


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2577.326+/-0.628 χ²/NDF: 14494939.1/26
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2503.814+/-0.611 χ²/NDF: 14683715.9/30
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2539.554+/-0.438 χ²/NDF: 29185702.9/57
In: 3401.098+/-0.493 χ²/NDF:20244054.8/49
Out: 3347.793+/-0.479 χ²/NDF:20889937.1/55
All: 3373.656+/-0.344 χ²/NDF: 41140002.5/



Right In: 2774.206+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1551.605+/-474.145 χ^2/NDF: 29.4/30

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

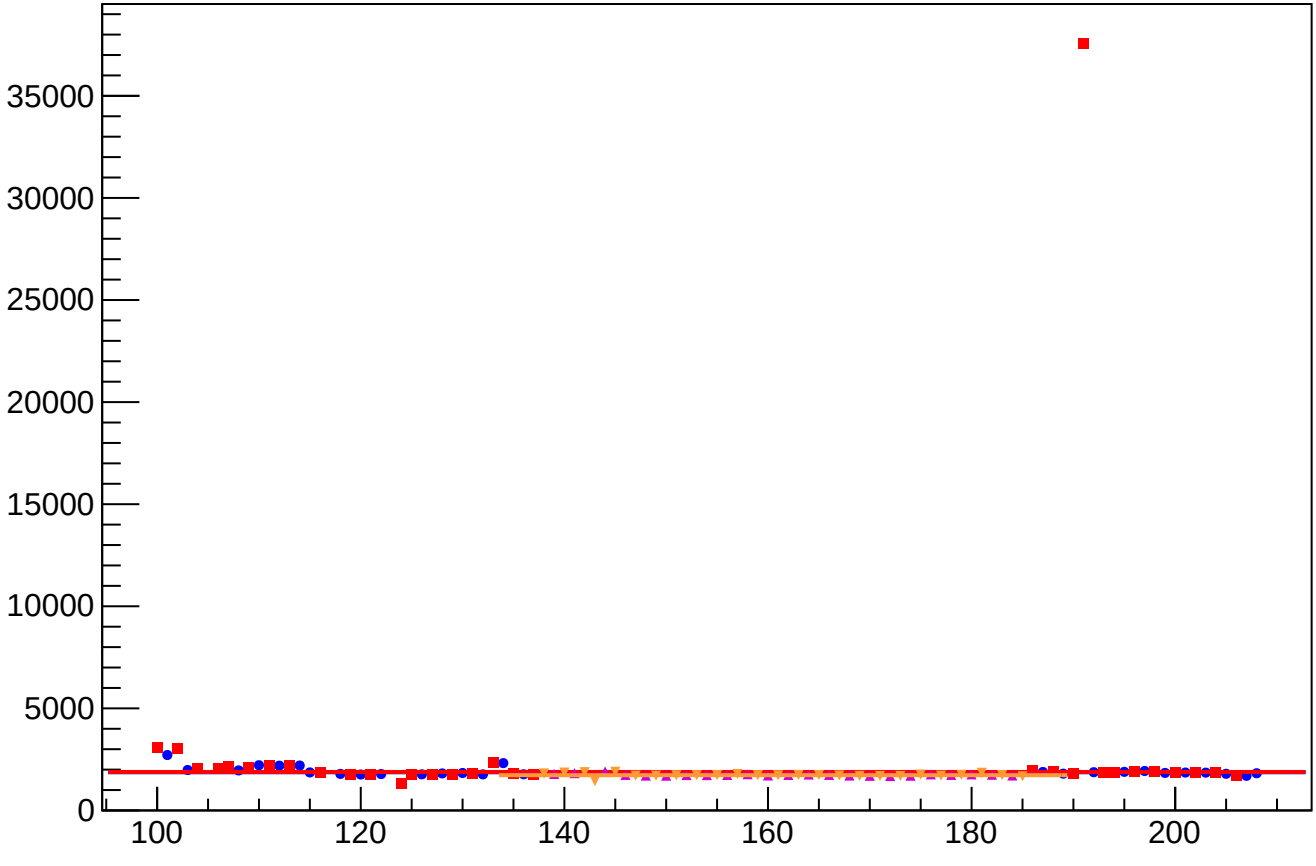
Right: 2165.821+/-334.471 χ^2/NDF: 50.1/57

In: 2581.674+/-308.441 χ^2/NDF:38.2/49

Out: 1341.614+/-302.567 χ^2/NDF:49.2/55

All: 1949.724+/-215.994 χ^2/NDF: 95.7/105

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1870.534+/-0.334 χ^2/NDF: 251626.4/26

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1885.339+/-0.335 χ^2/NDF: 520747.3/30

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

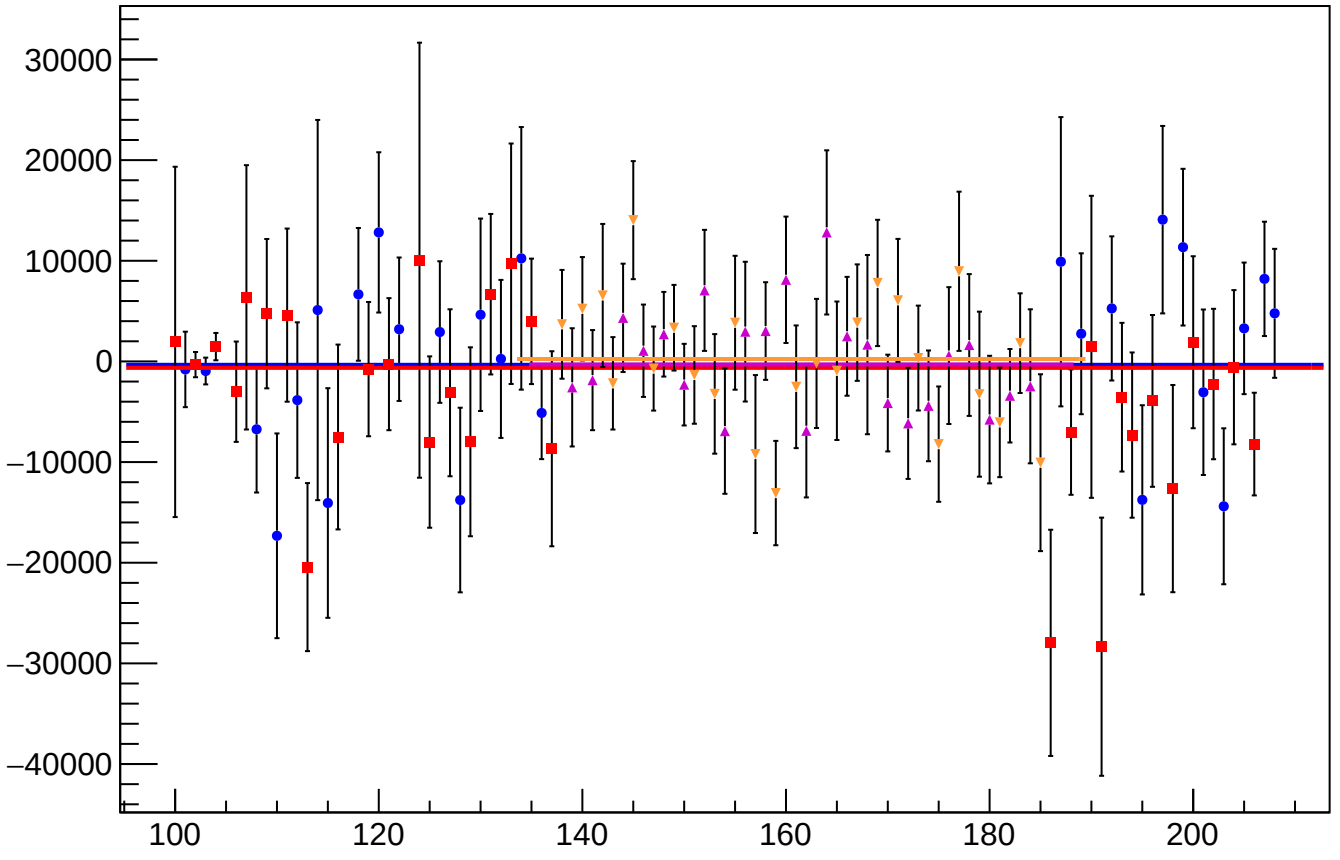
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1877.903+/-0.236 χ^2/NDF: 773353.6/57

In: 1798.422+/-0.218 χ^2/NDF:359967.5/49

Out: 1791.644+/-0.214 χ^2/NDF:762896.4/55

All: 1794.967+/-0.153 χ^2/NDF: 1123356.2/10



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -638.888+/-785.760 χ^2/NDF: 30.9/30

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

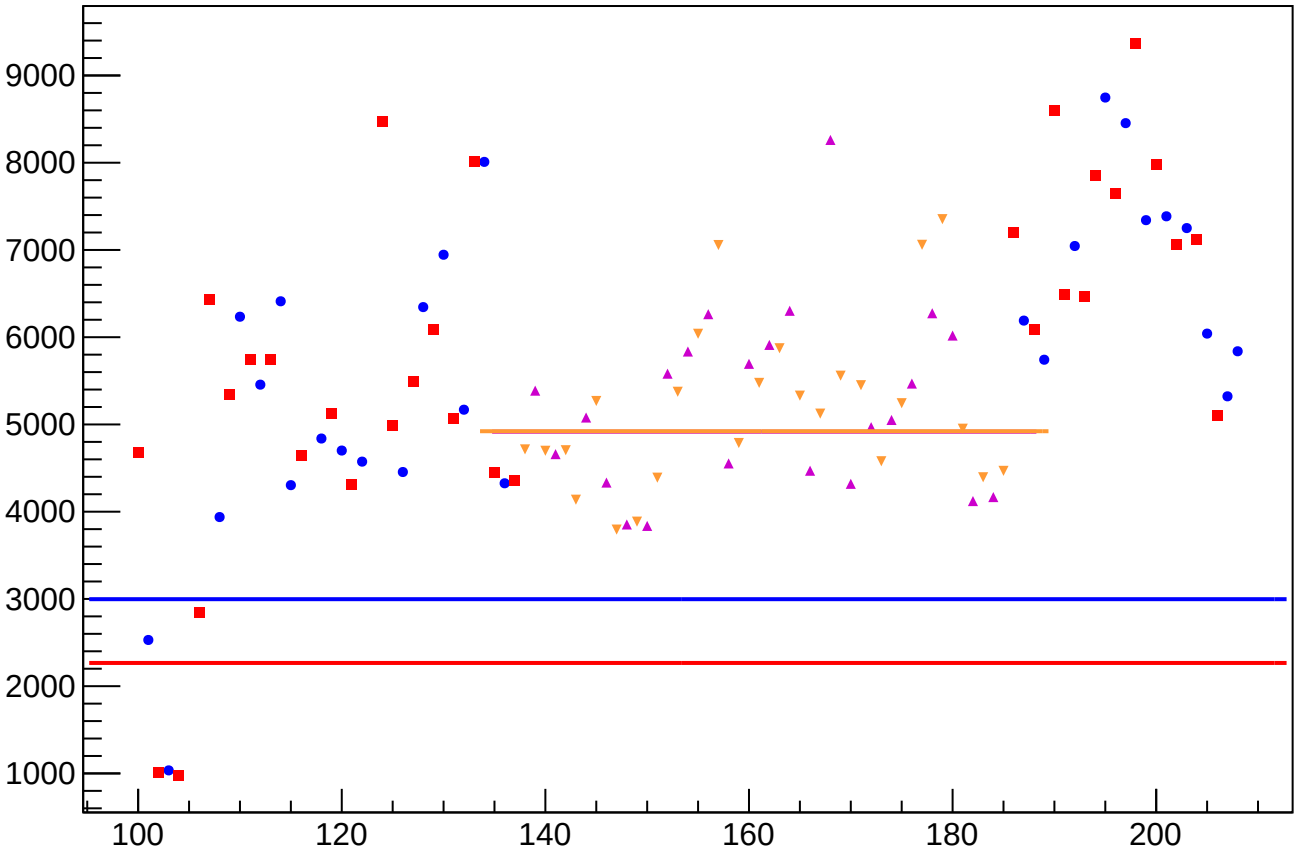
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -519.165+/-610.992 χ^2/NDF: 59.8/57

In: -323.853+/-747.784 χ^2/NDF:43.3/49

Out: -355.782+/-647.141 χ^2/NDF:58.1/55

All: -342.109+/-489.342 χ^2/NDF: 101.4/105



Right In: 2997.164+/-0.687 χ^2/NDF: 11946508.7/26

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2266.232+/-0.556 χ^2/NDF: 16025181.6/30

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

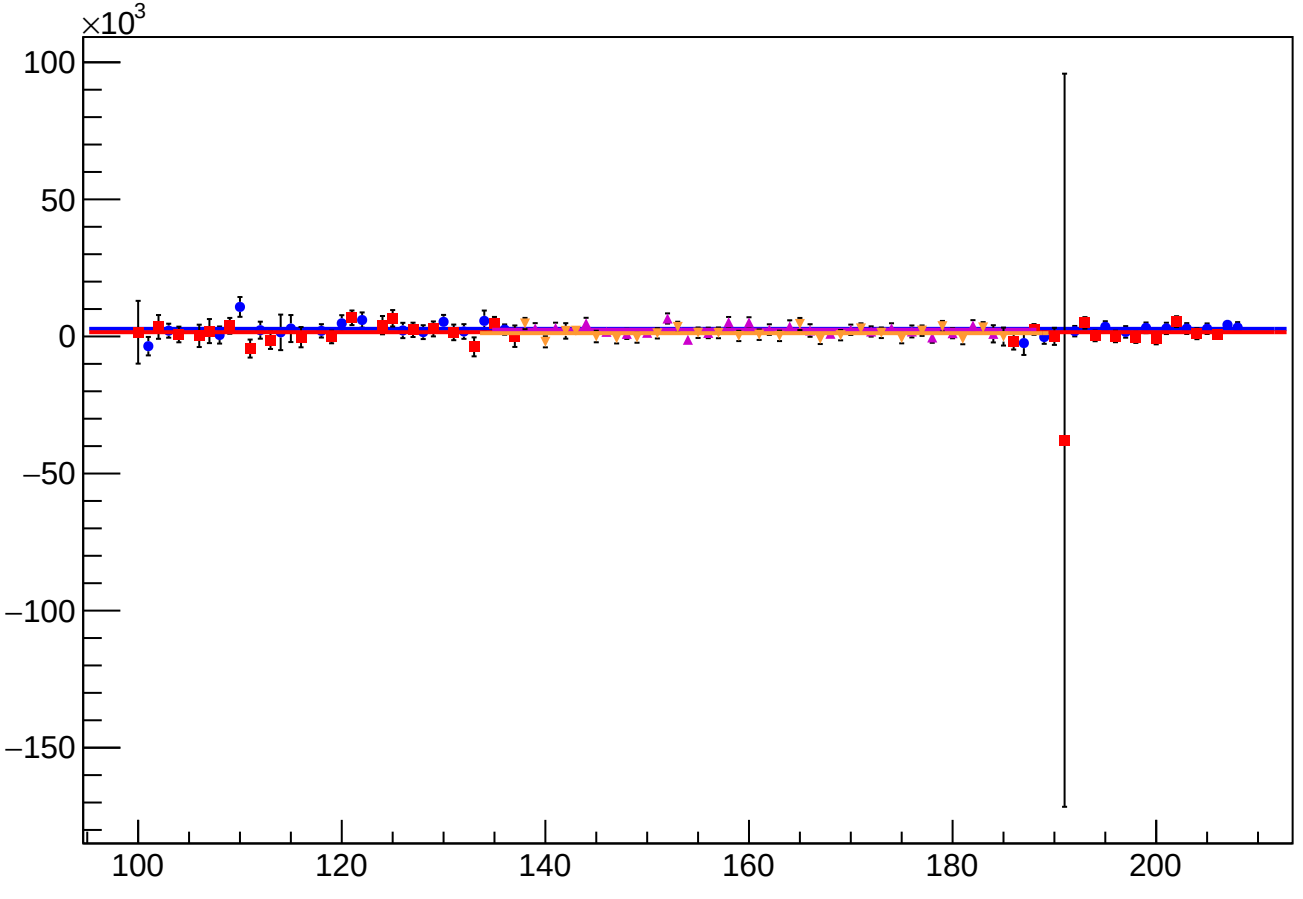
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2555.219+/-0.432 χ^2/NDF: 28655927.6/57

In: 3780.019+/-0.529 χ^2/NDF:16291598.9/49

Out: 3120.727+/-0.458 χ^2/NDF:24427703.9/55

All: 3403.052+/-0.346 χ^2/NDF: 41608215.1/1



Right In: 2774.203+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1551.605+/-474.145 χ^2/NDF: 29.4/30

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

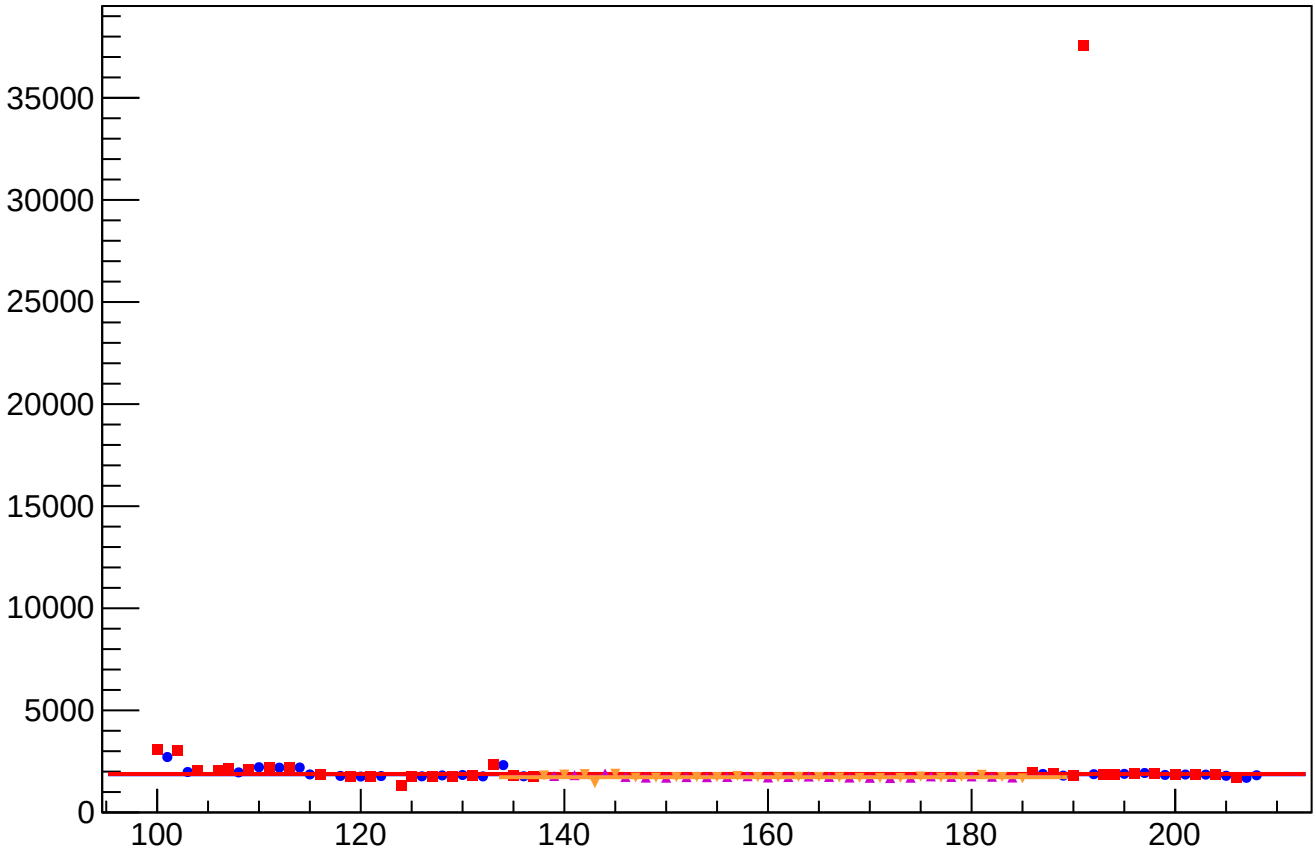
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2165.819+/-334.470 χ^2/NDF: 50.1/57

In: 2581.672+/-308.441 χ^2/NDF:38.2/49

Out: 1341.610+/-302.567 χ^2/NDF:49.2/55

All: 1949.721+/-215.994 χ^2/NDF: 95.7/105



Right In: 1870.533+/-0.334 χ^2/NDF: 251626.3/26

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1885.338+/-0.335 χ^2/NDF: 520746.1/30

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

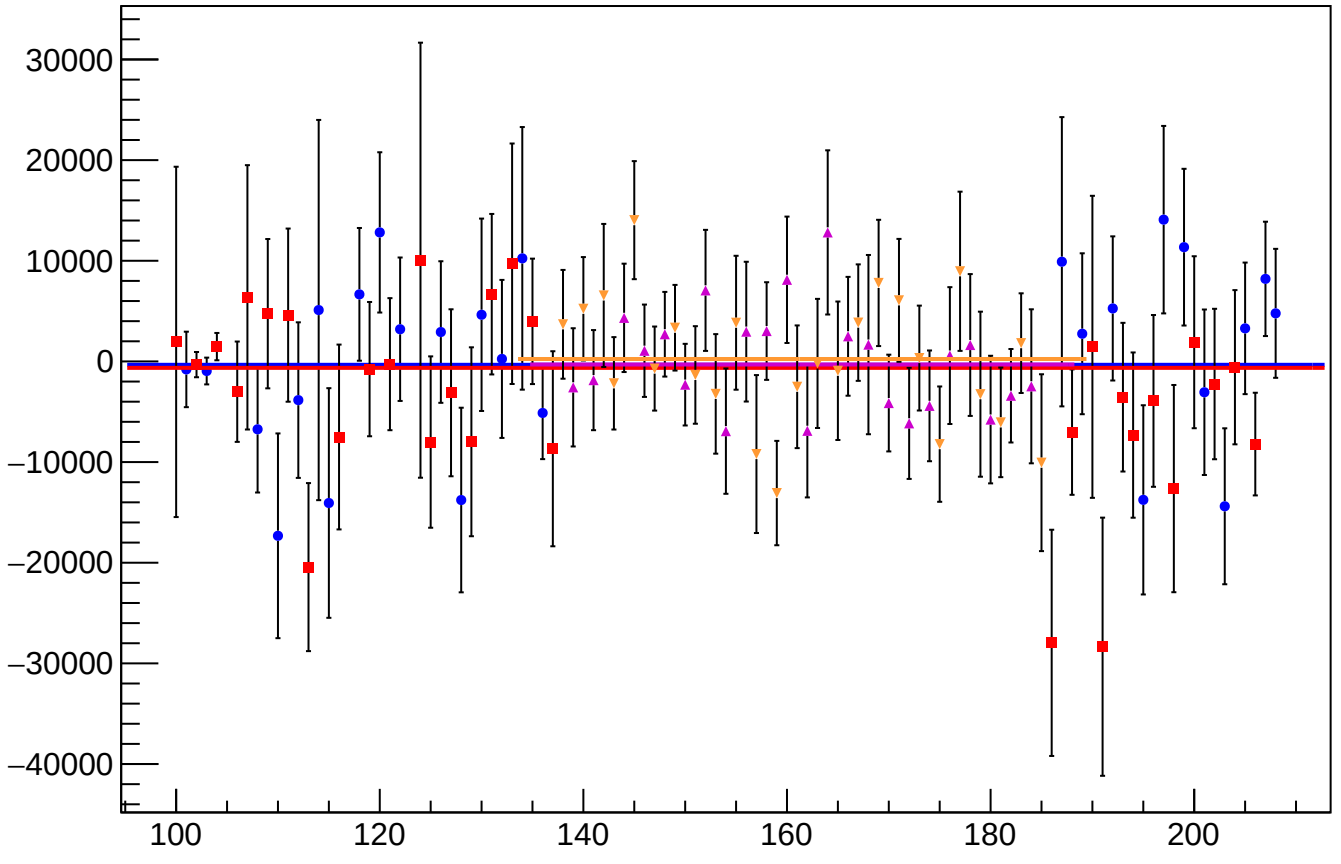
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1877.903+/-0.236 χ^2/NDF: 773352.4/57

In: 1798.422+/-0.218 χ^2/NDF:359966.0/49

Out: 1791.644+/-0.214 χ^2/NDF:762892.6/55

All: 1794.967+/-0.153 χ^2/NDF: 1123350.9/10



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -638.892+/-785.759 χ^2/NDF: 30.9/30

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

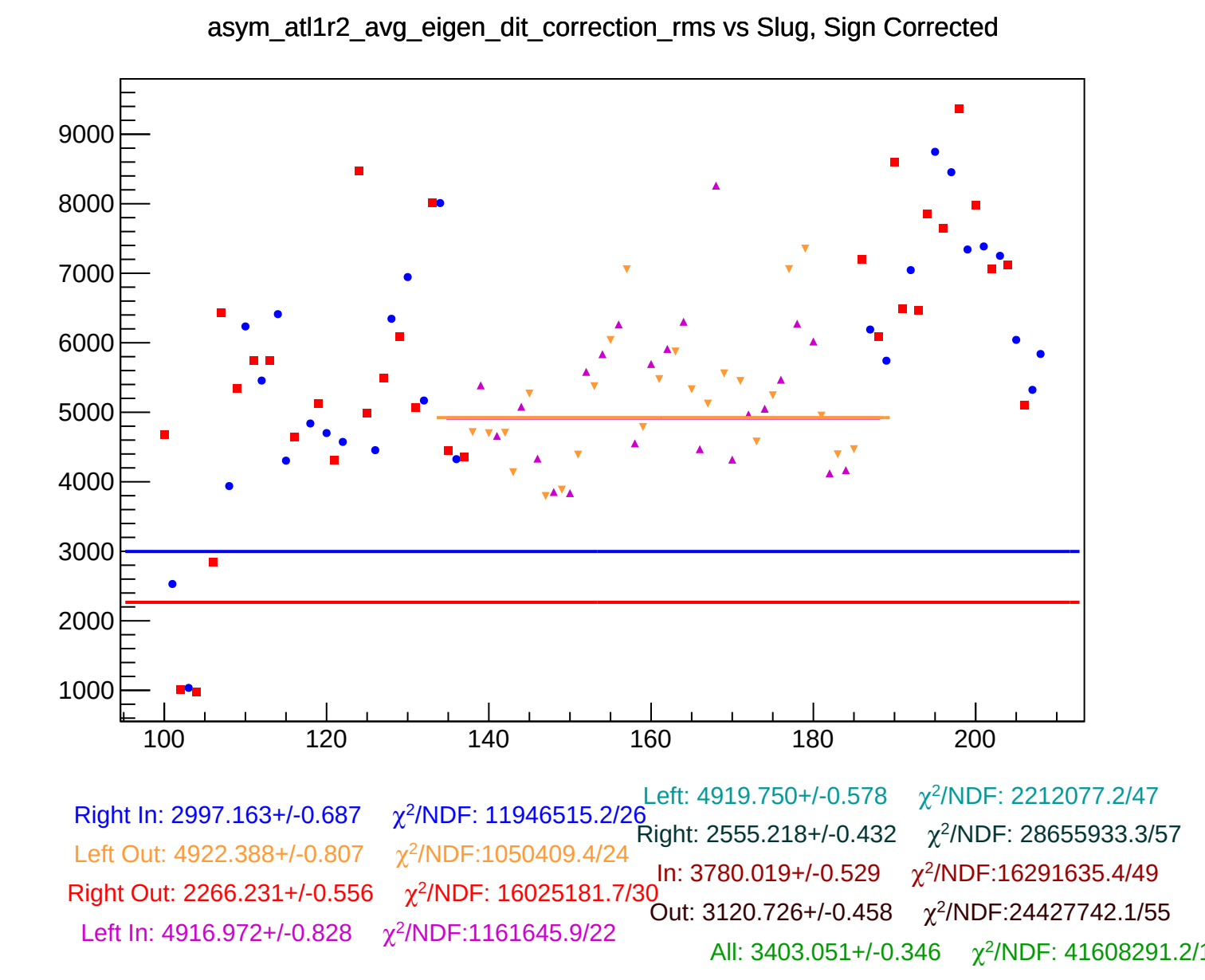
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -519.167+/-610.991 χ^2/NDF: 59.8/57

In: -323.854+/-747.785 χ^2/NDF:43.3/49

Out: -355.786+/-647.142 χ^2/NDF:58.1/55

All: -342.112+/-489.342 χ^2/NDF: 101.4/105


asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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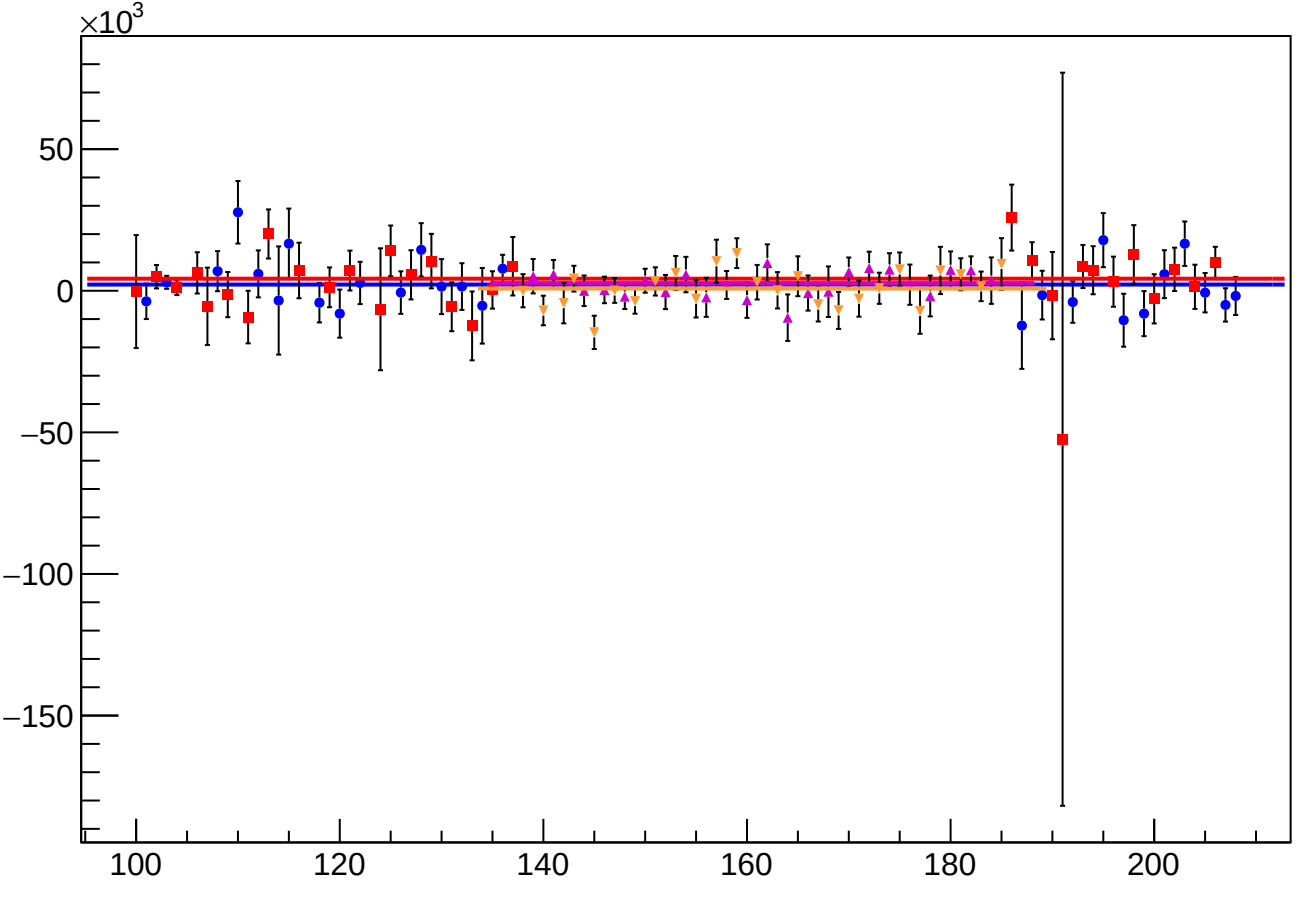
140
160
180
200
Right In: 2997.163+/-0.687 χ²/NDF: 11946515.2/26
Left Out: 4922.388+/-0.807 χ²/NDF:1050409.4/24
Right Out: 2266.231+/-0.556 χ²/NDF: 16025181.7/30
Left In: 4916.972+/-0.828 χ²/NDF:1161645.9/22
Left: 4919.750+/-0.578 χ²/NDF: 2212077.2/47
Right: 2555.218+/-0.432 χ²/NDF: 28655933.3/57
In: 3780.019+/-0.529 χ²/NDF:16291635.4/49
Out: 3120.726+/-0.458 χ²/NDF:24427742.1/55
All: 3403.051+/-0.346 χ²/NDF: 41608291.2/



Right In: 2190.919+/-1292.515 χ^2/NDF: 27.8/26

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 4257.631+/-1309.123 χ^2/NDF: 22.1/30

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

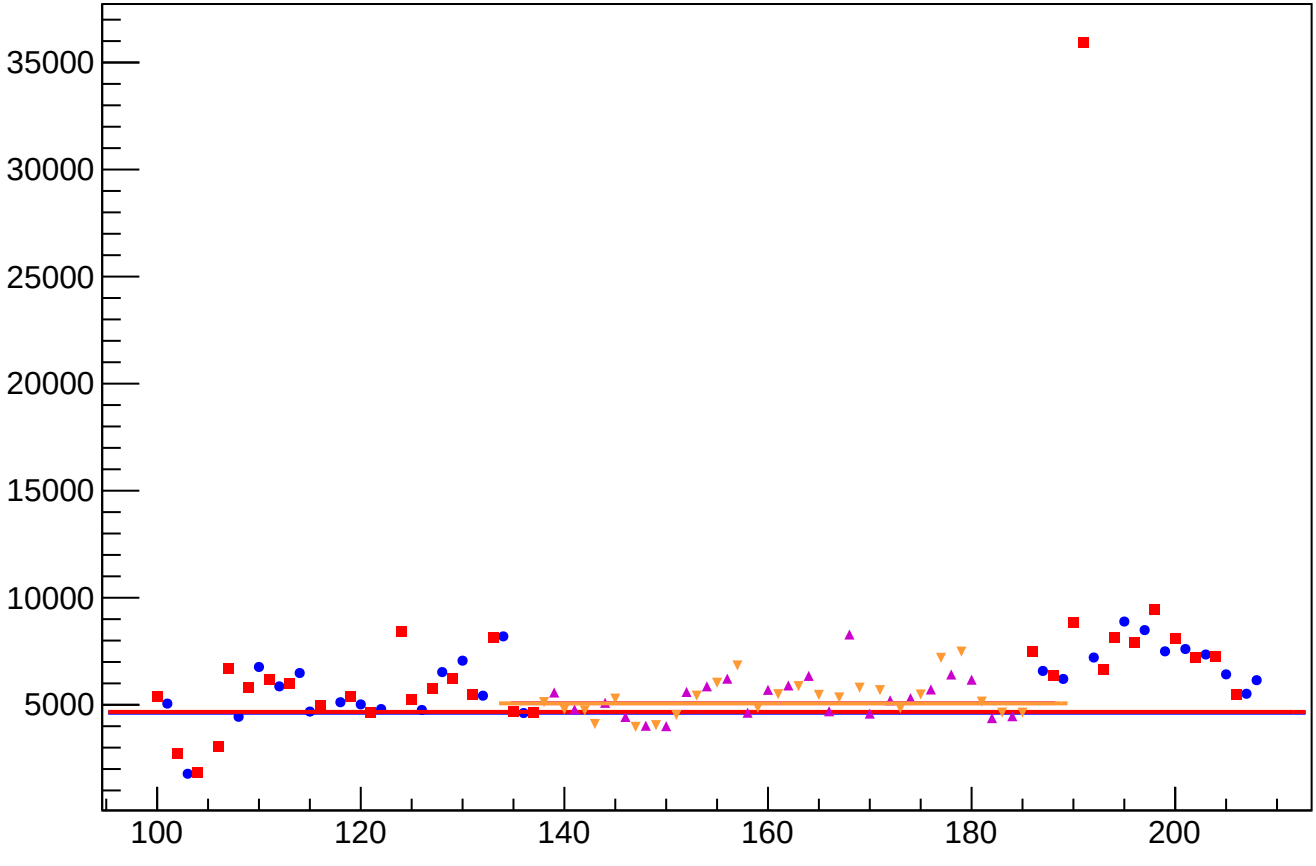
Right: 3211.082+/-919.762 χ^2/NDF: 51.2/57

In: 2465.964+/-881.881 χ^2/NDF:39.8/49

Out: 2331.573+/-873.183 χ^2/NDF:53.6/55

All: 2398.102+/-620.486 χ^2/NDF: 93.4/105

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4630.671+/-0.914 χ^2/NDF: 5741379.0/26

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4668.277+/-0.919 χ^2/NDF: 5959287.4/30

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

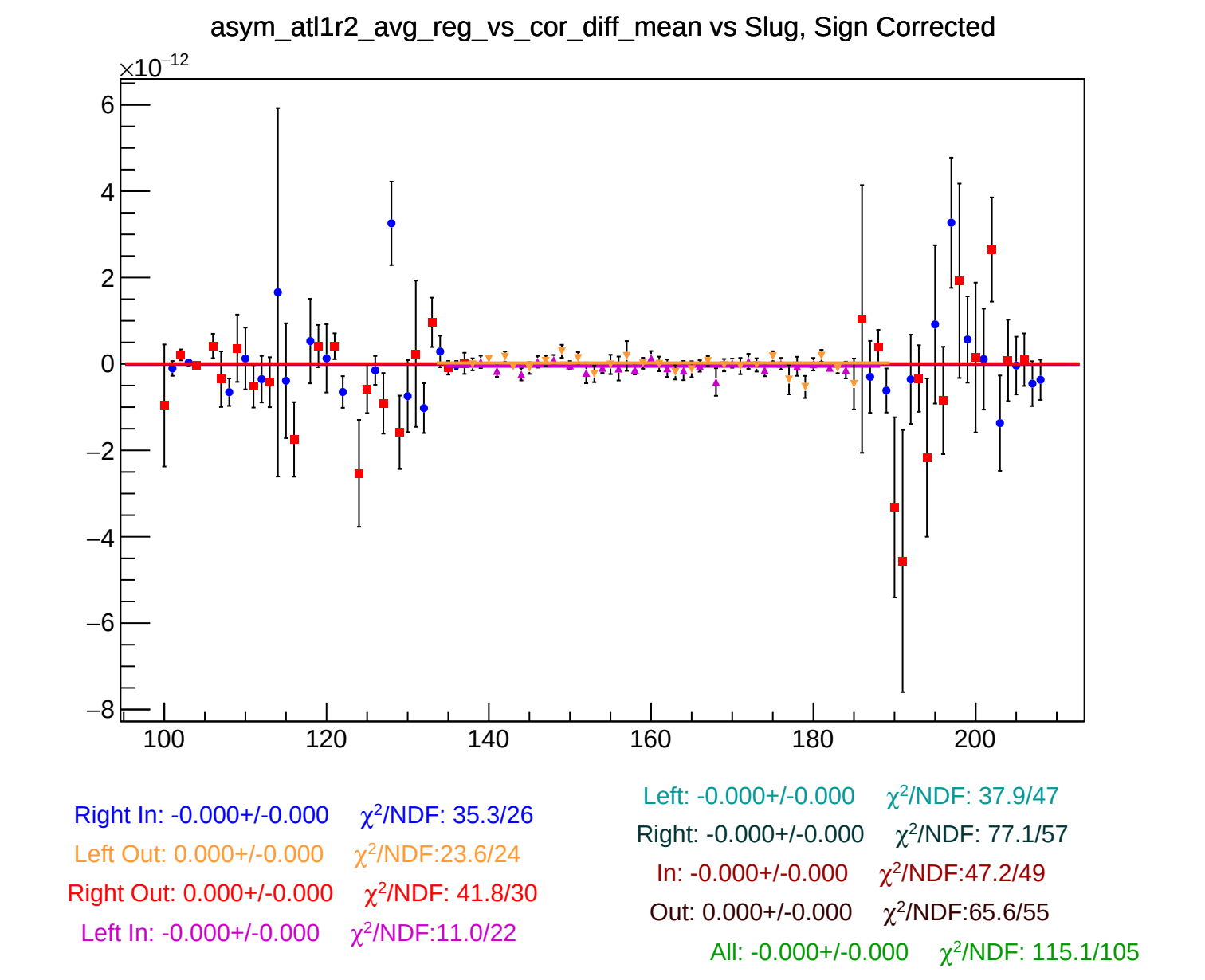
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

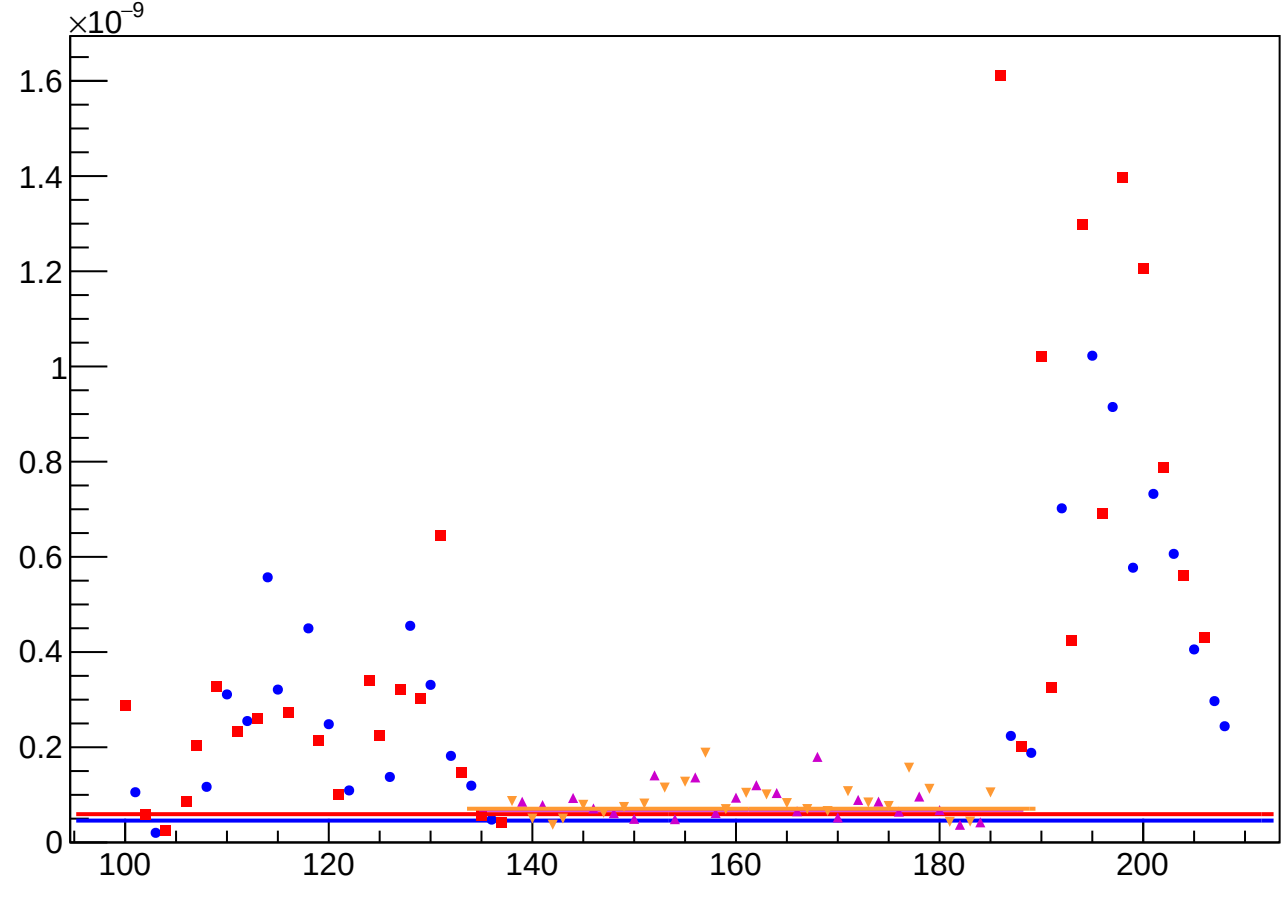
Right: 4649.369+/-0.648 χ^2/NDF: 11701508.2/57

In: 4870.671+/-0.624 χ^2/NDF:6871640.9/49

Out: 4888.698+/-0.615 χ^2/NDF:7017817.8/55

All: 4879.802+/-0.438 χ^2/NDF: 13889882.0/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 35.3/26
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/30
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: 77.1/57
In: -0.000+/-0.000 χ²/NDF:47.2/49
Out: 0.000+/-0.000 χ²/NDF:65.6/55
All: -0.000+/-0.000 χ²/NDF: 115.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 8708185.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9716193.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

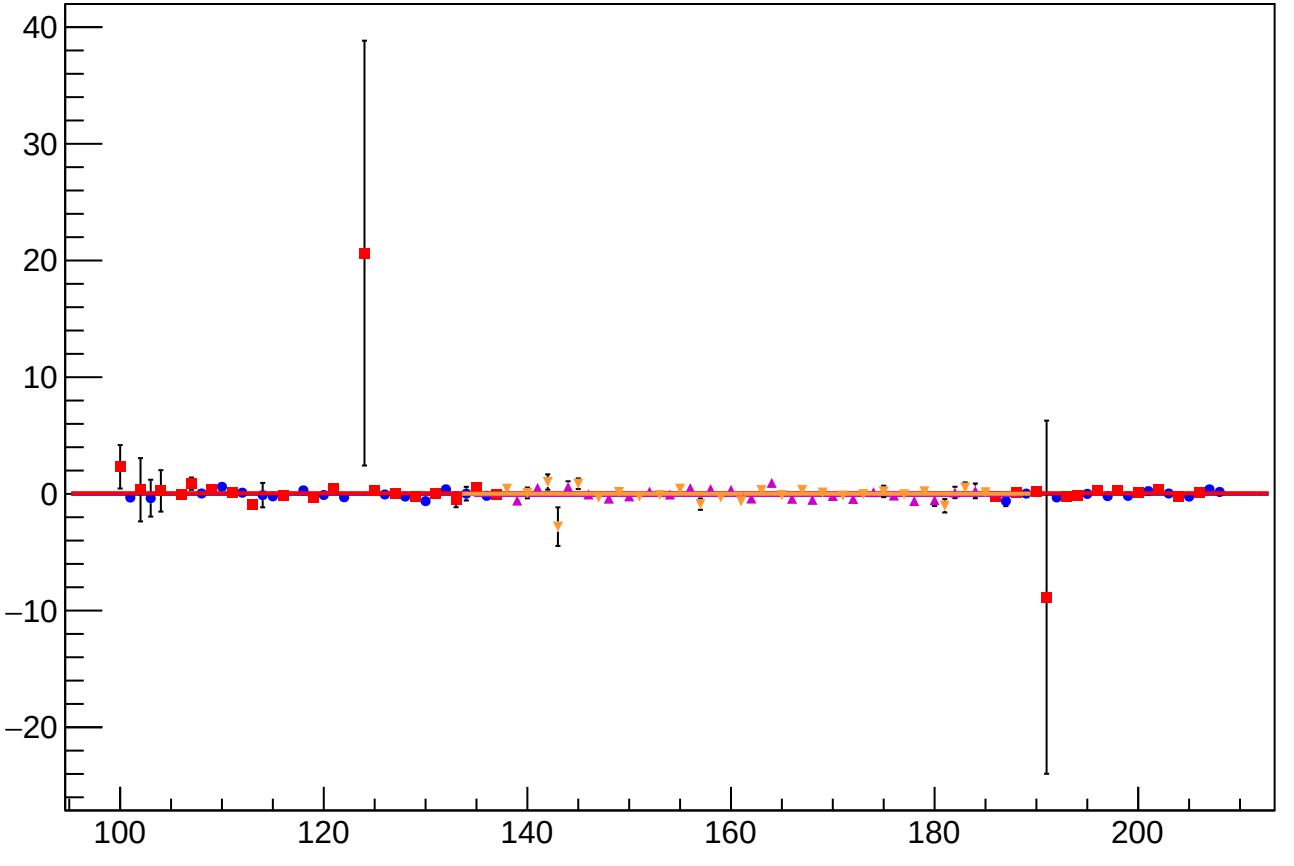
Right: 0.000+/-0.000 χ^2/NDF: 18536983.0/57

In: 0.000+/-0.000 χ^2/NDF:10629883.4/49

Out: 0.000+/-0.000 χ^2/NDF:11298593.4/55

All: 0.000+/-0.000 χ^2/NDF: 22038417.1/105

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

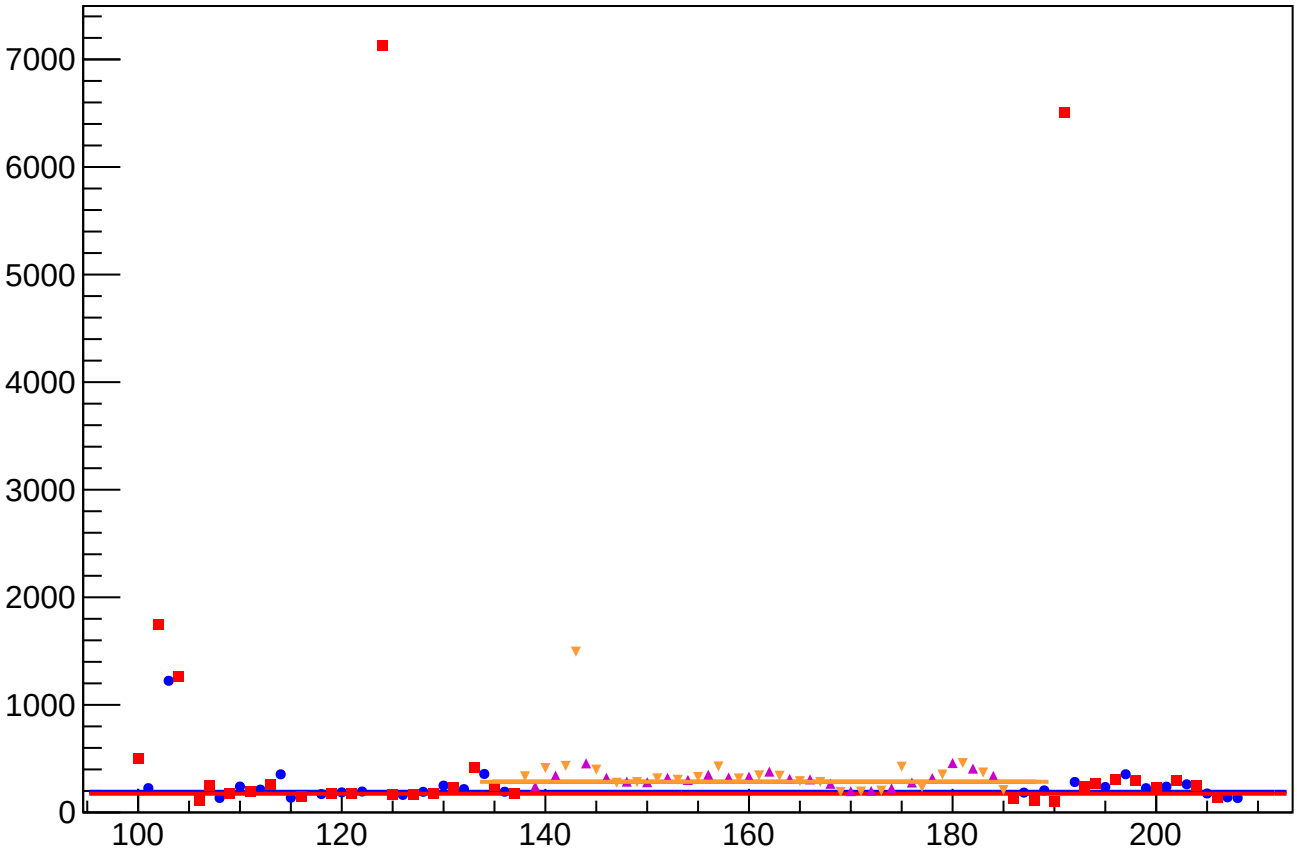
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.034+/-0.036 χ^2/NDF: 54.8/57

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.009+/-0.029 χ^2/NDF: 116.4/105



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

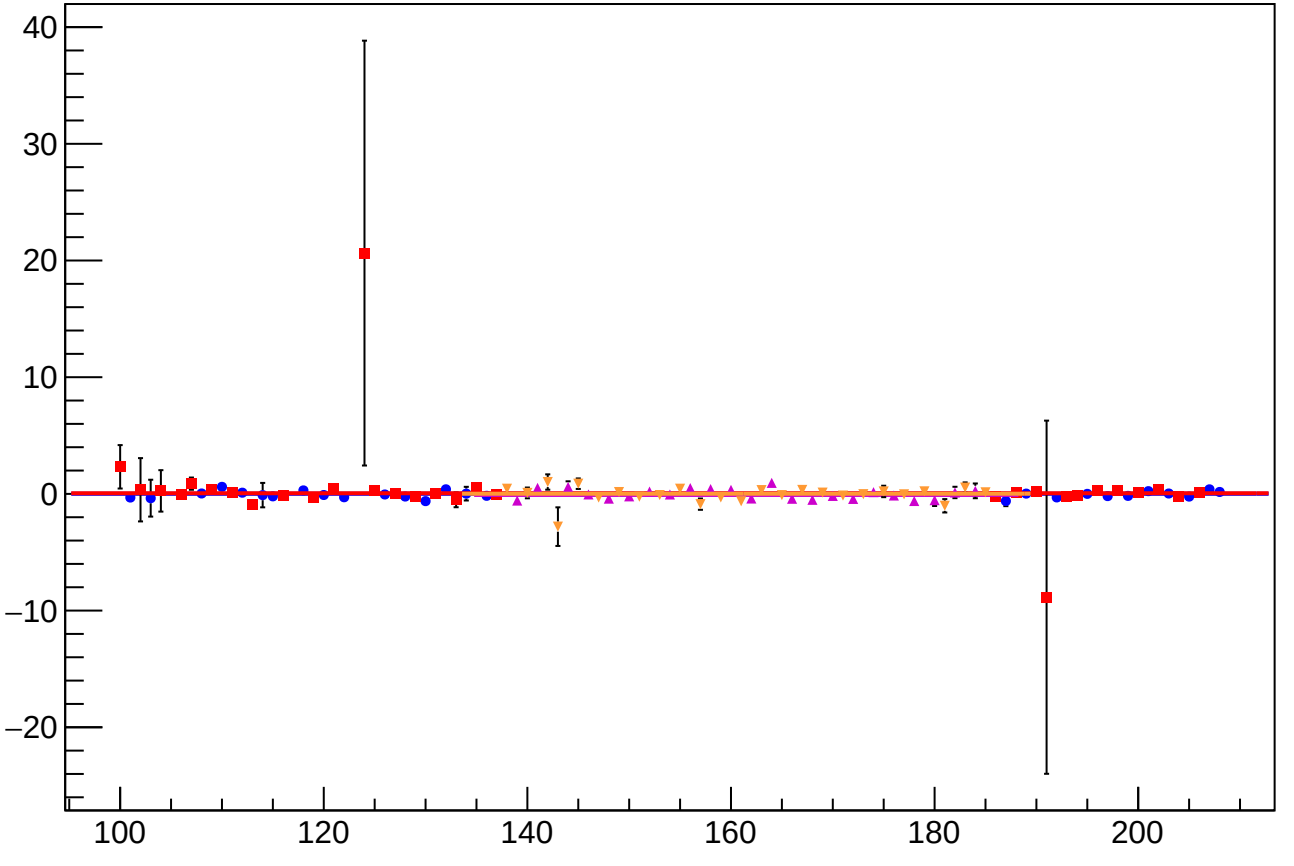
Right: 182.530+/-0.025 χ^2/NDF: 8193985.5/57

In: 225.699+/-0.030 χ^2/NDF:6718388.3/49

Out: 211.158+/-0.029 χ^2/NDF:12140238.8/55

All: 218.130+/-0.021 χ^2/NDF: 18982744.7/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

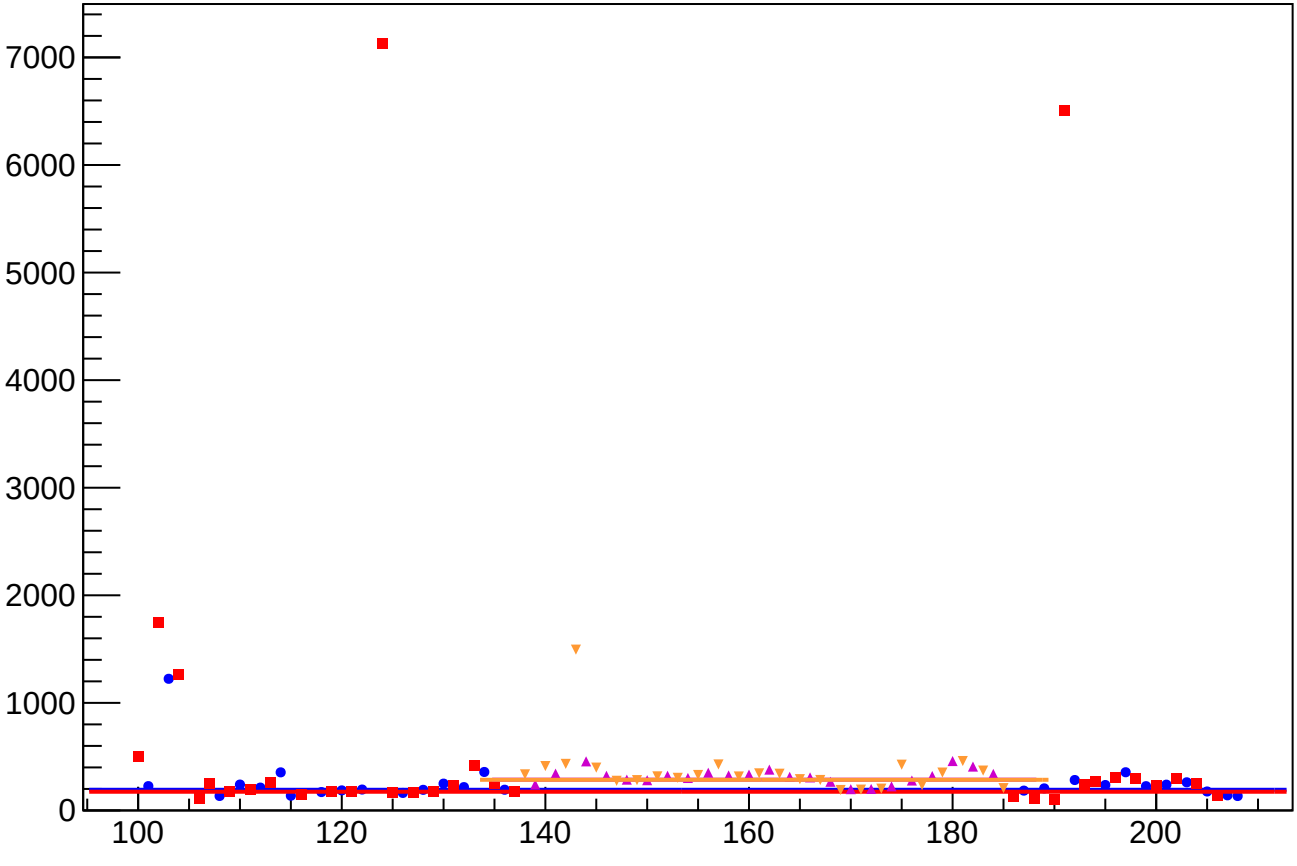
Right: 0.034+/-0.036 χ^2/NDF: 54.8/57

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.009+/-0.029 χ^2/NDF: 116.4/105

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

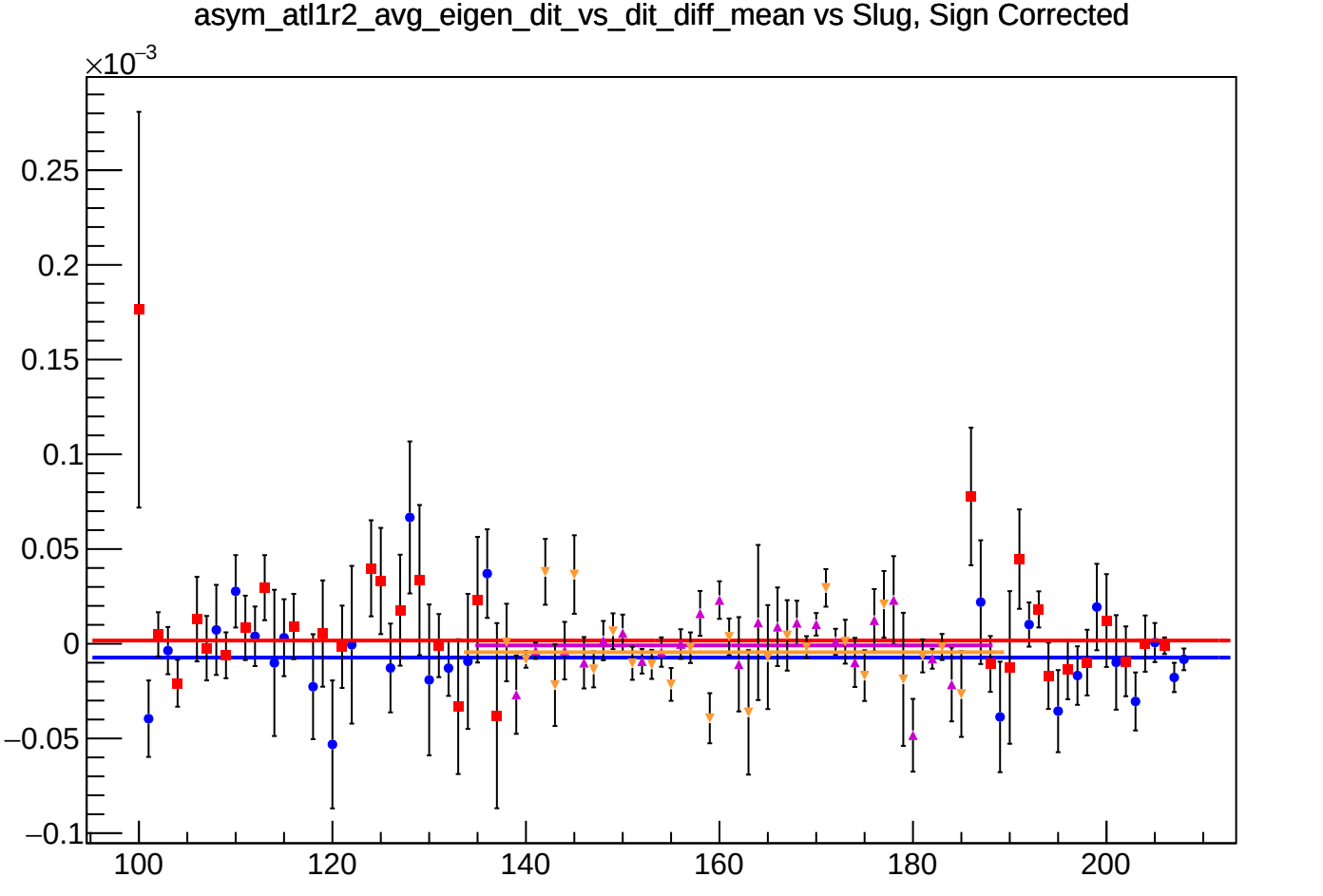
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 182.530+/-0.025 χ^2/NDF: 8193985.5/57

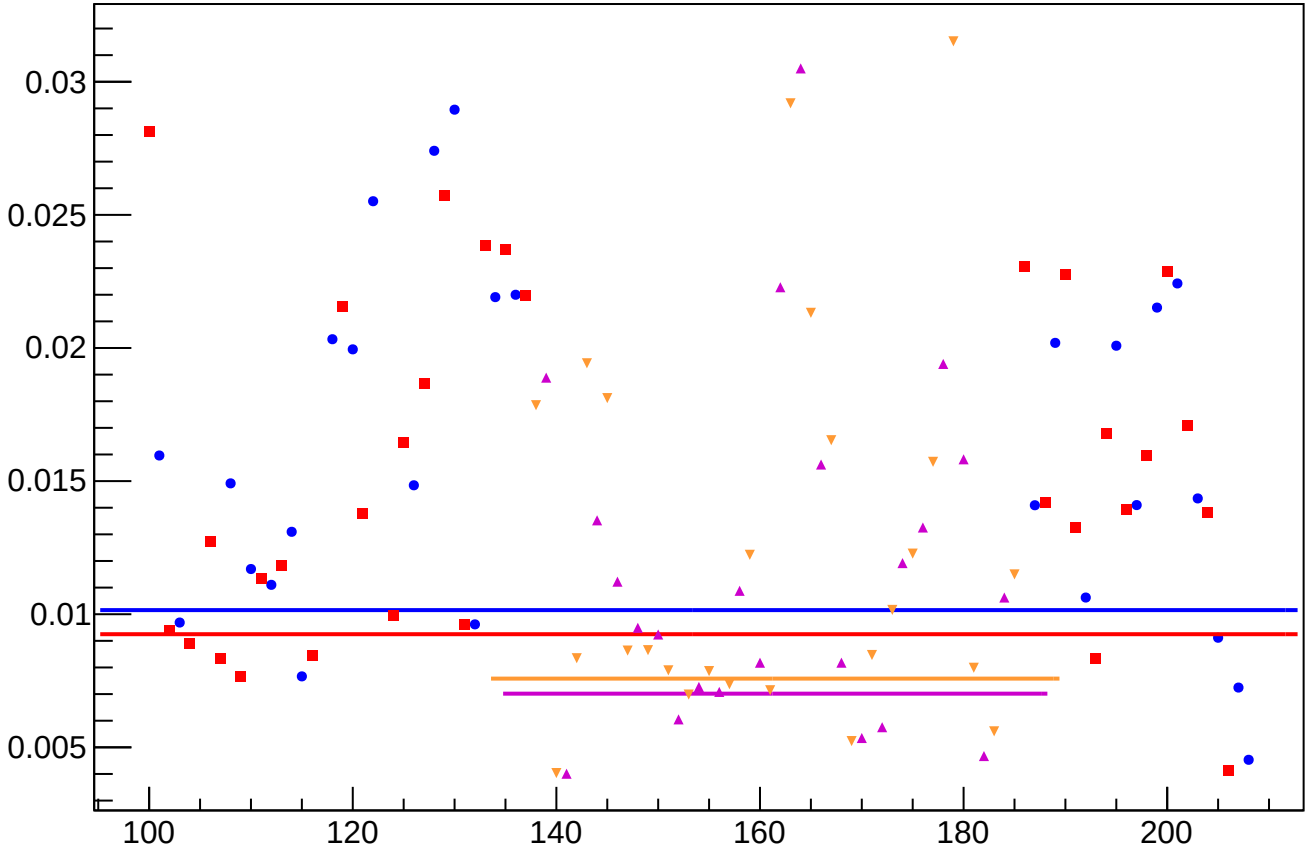
In: 225.699+/-0.030 χ^2/NDF:6718388.3/49

Out: 211.158+/-0.029 χ^2/NDF:12140238.8/55

All: 218.130+/-0.021 χ^2/NDF: 18982744.7/10


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/26
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.9/30
Left In: -0.000+/-0.000 χ²/NDF:29.0/22
Left: -0.000+/-0.000 χ²/NDF: 74.6/47
Right: -0.000+/-0.000 χ²/NDF: 65.0/57
In: -0.000+/-0.000 χ²/NDF:61.3/49
Out: -0.000+/-0.000 χ²/NDF:78.2/55
All: -0.000+/-0.000 χ²/NDF: 139.6/105

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 6832203.0/26

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7780844.0/30

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

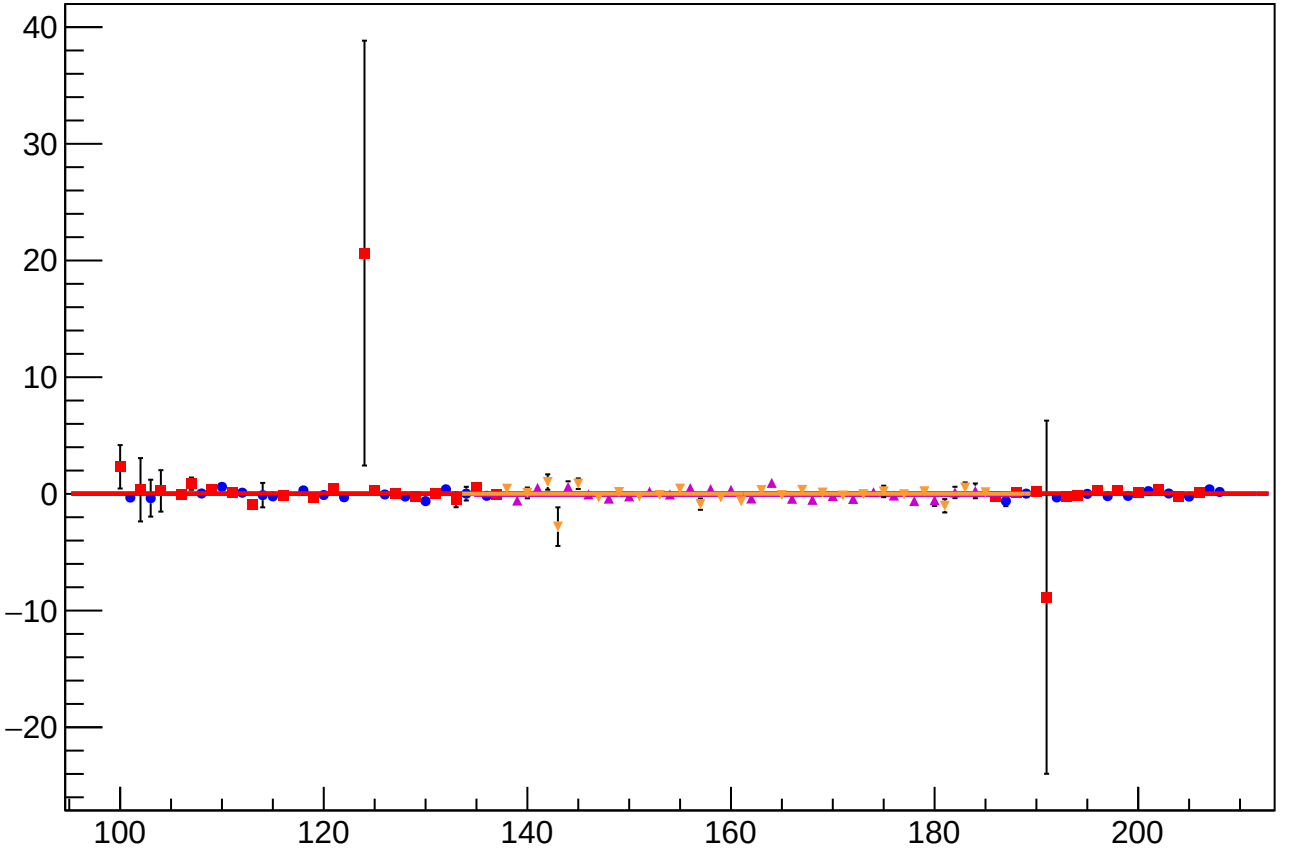
Right: 0.010+/-0.000 χ^2/NDF: 14716022.5/57

In: 0.008+/-0.000 χ^2/NDF:15158693.3/49

Out: 0.008+/-0.000 χ^2/NDF:15637784.5/55

All: 0.008+/-0.000 χ^2/NDF: 30818166.6/105

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

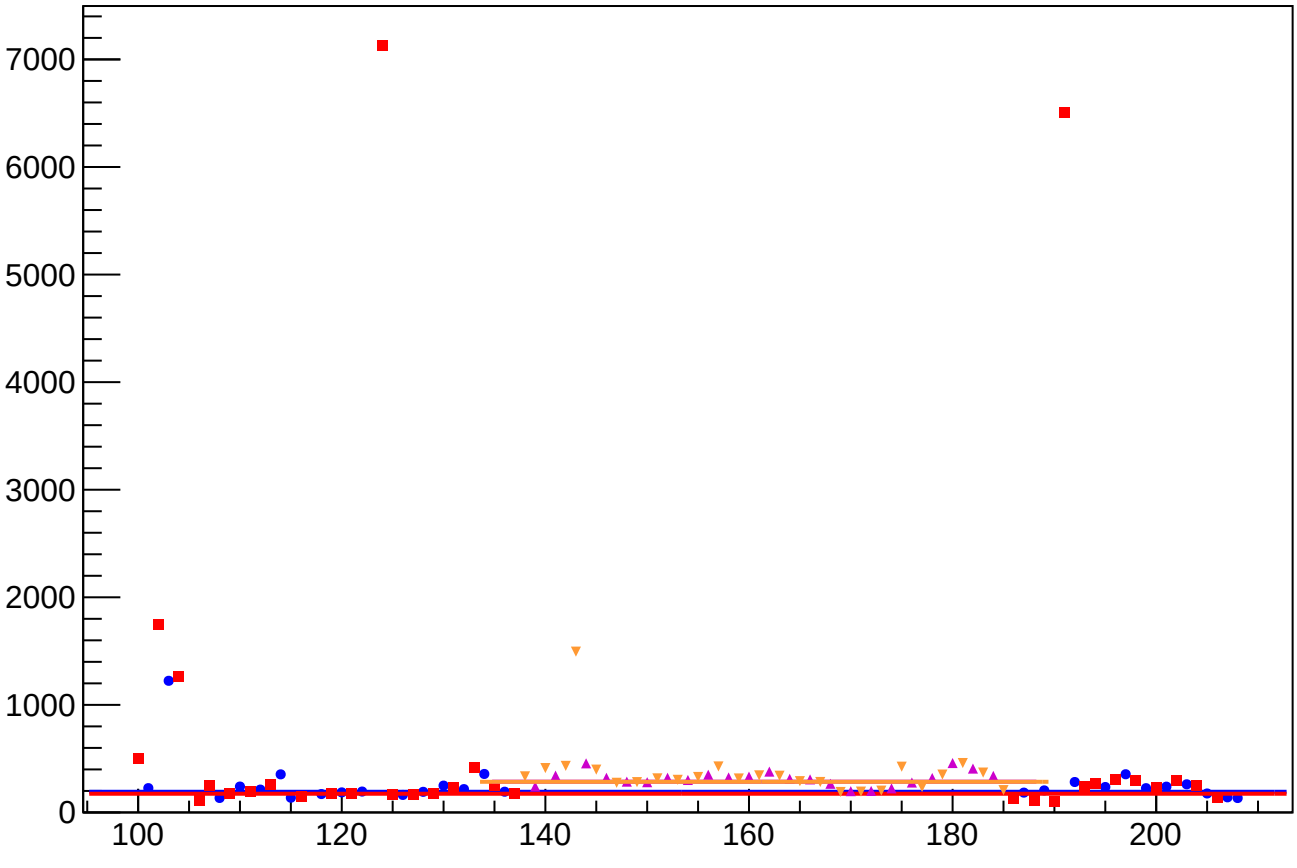
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.034+/-0.036 χ^2/NDF: 54.8/57

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.009+/-0.029 χ^2/NDF: 116.4/105



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

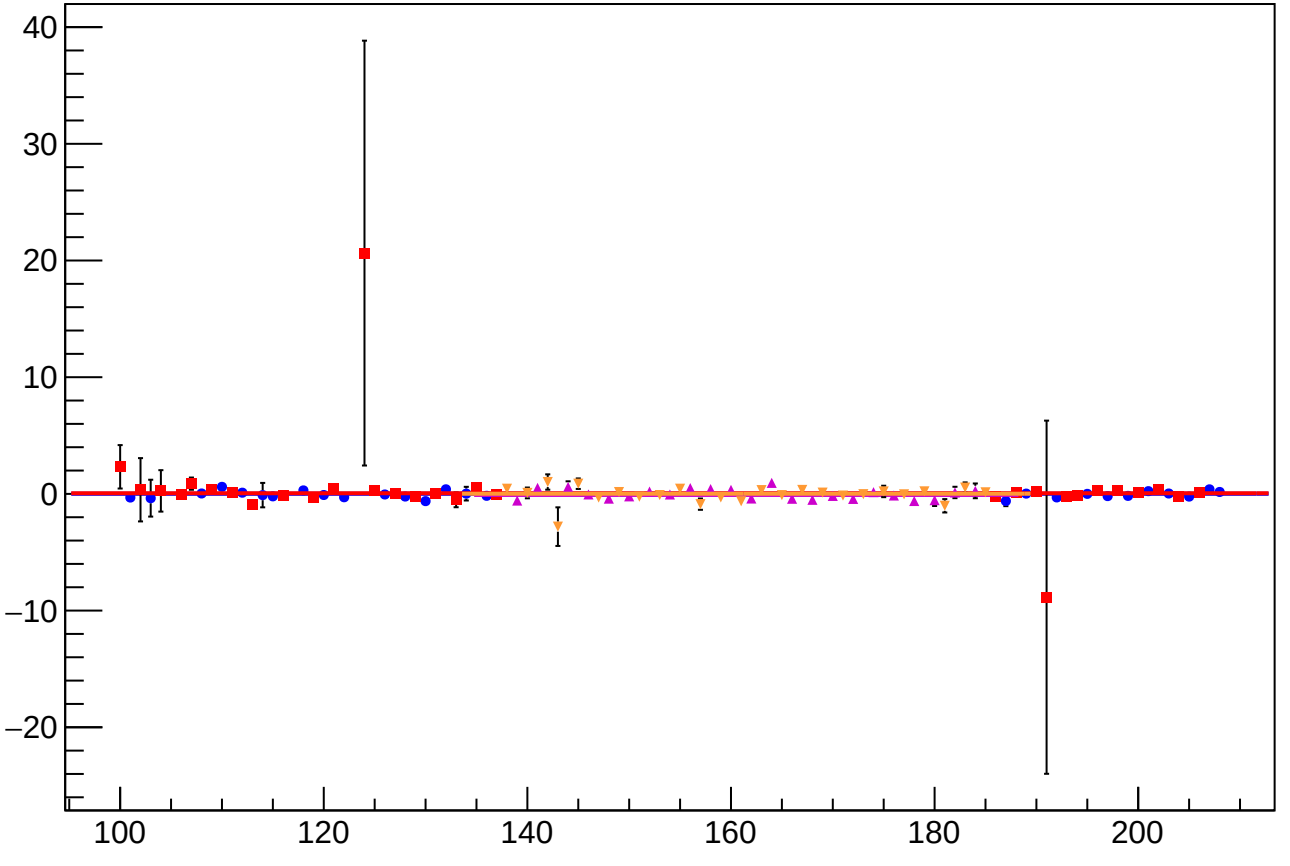
Right: 182.529+/-0.025 χ^2/NDF: 8194174.5/57

In: 225.699+/-0.030 χ^2/NDF:6718593.4/49

Out: 211.157+/-0.029 χ^2/NDF:12140714.4/55

All: 218.129+/-0.021 χ^2/NDF: 18983445.6/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

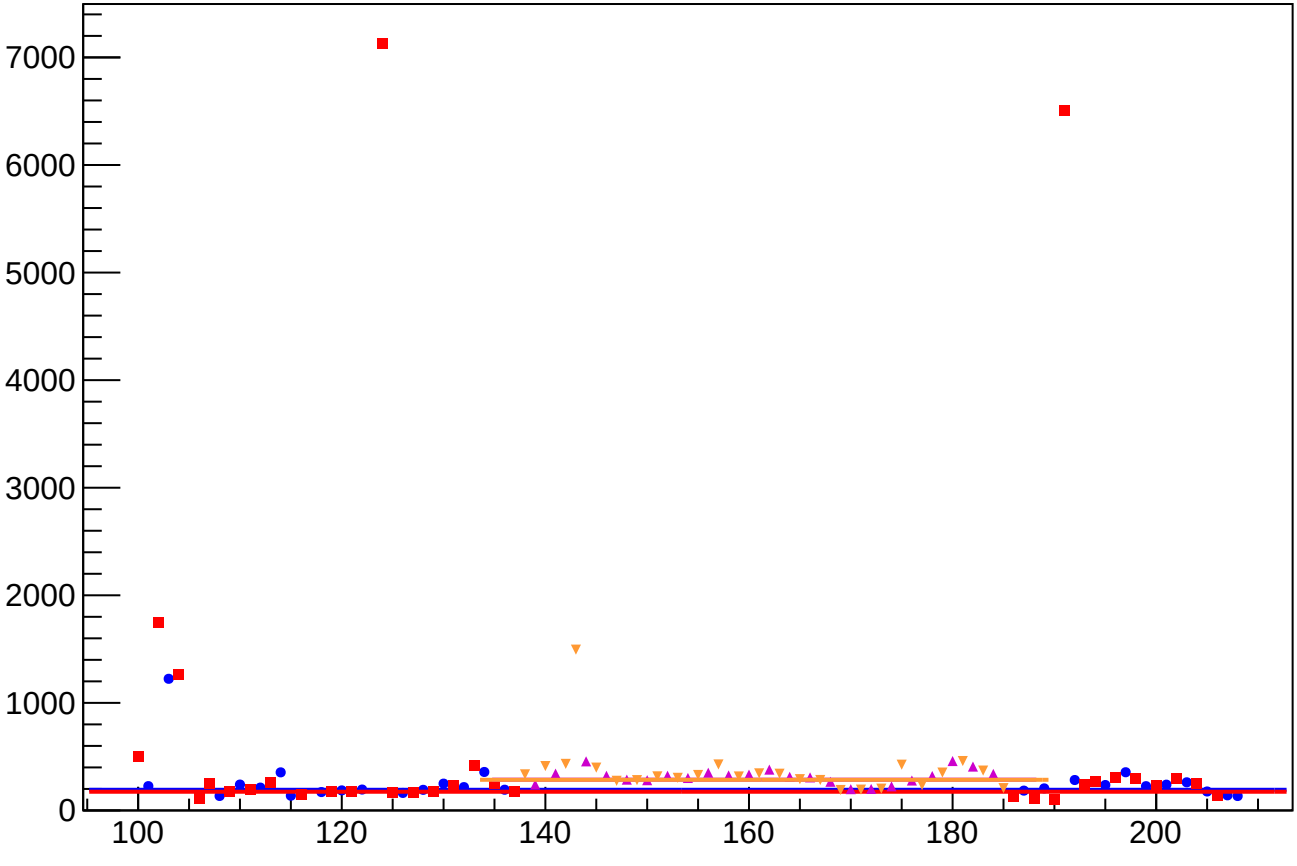
Right: 0.034+/-0.036 χ^2/NDF: 54.8/57

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.009+/-0.029 χ^2/NDF: 116.4/105

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

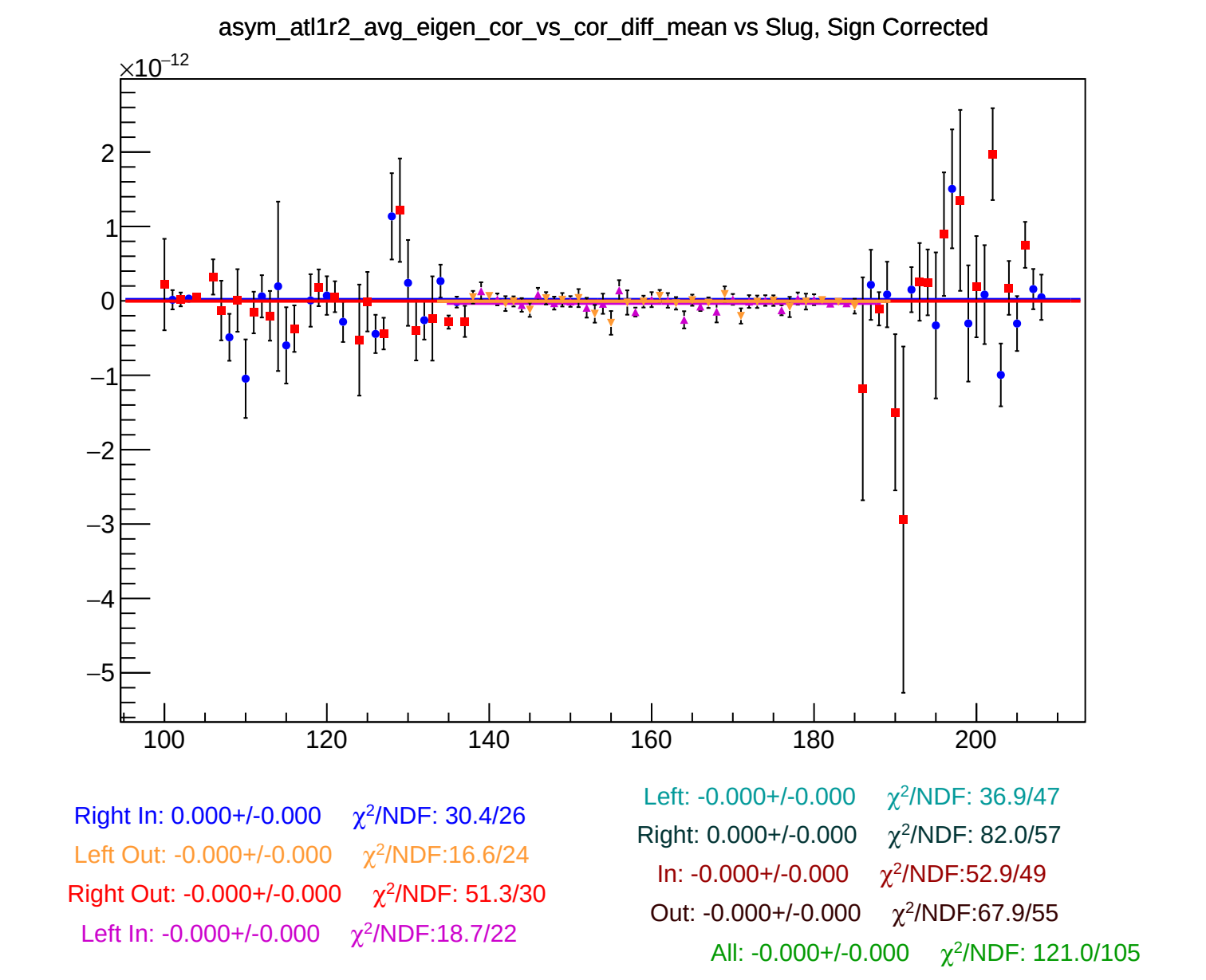
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 182.529+/-0.025 χ^2/NDF: 8194174.5/57

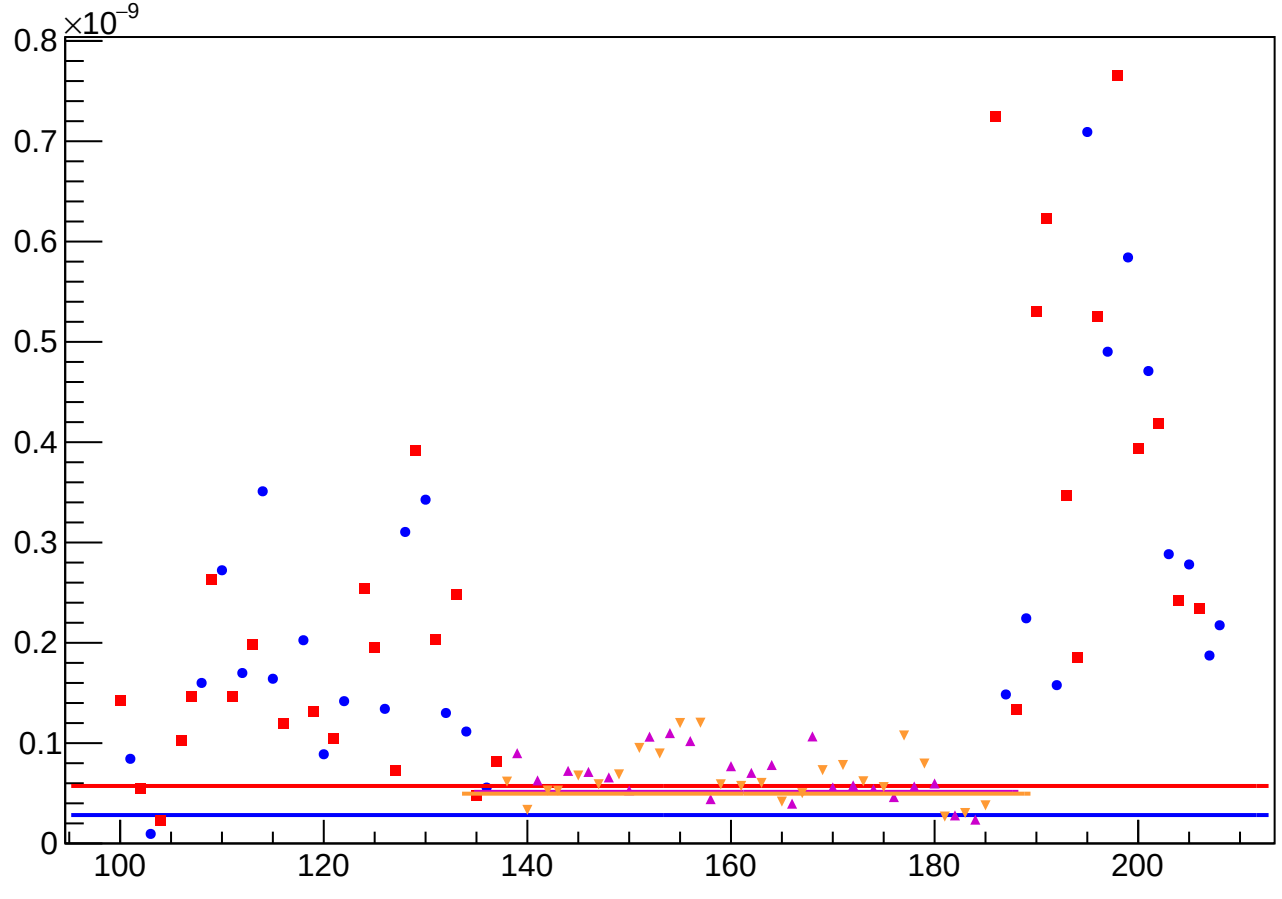
In: 225.699+/-0.030 χ^2/NDF:6718593.4/49

Out: 211.157+/-0.029 χ^2/NDF:12140714.4/55

All: 218.129+/-0.021 χ^2/NDF: 18983445.6/10


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.4/26
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 51.3/30
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: 82.0/57
In: -0.000+/-0.000 χ²/NDF:52.9/49
Out: -0.000+/-0.000 χ²/NDF:67.9/55
All: -0.000+/-0.000 χ²/NDF: 121.0/105

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14131287.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10037901.8/30

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

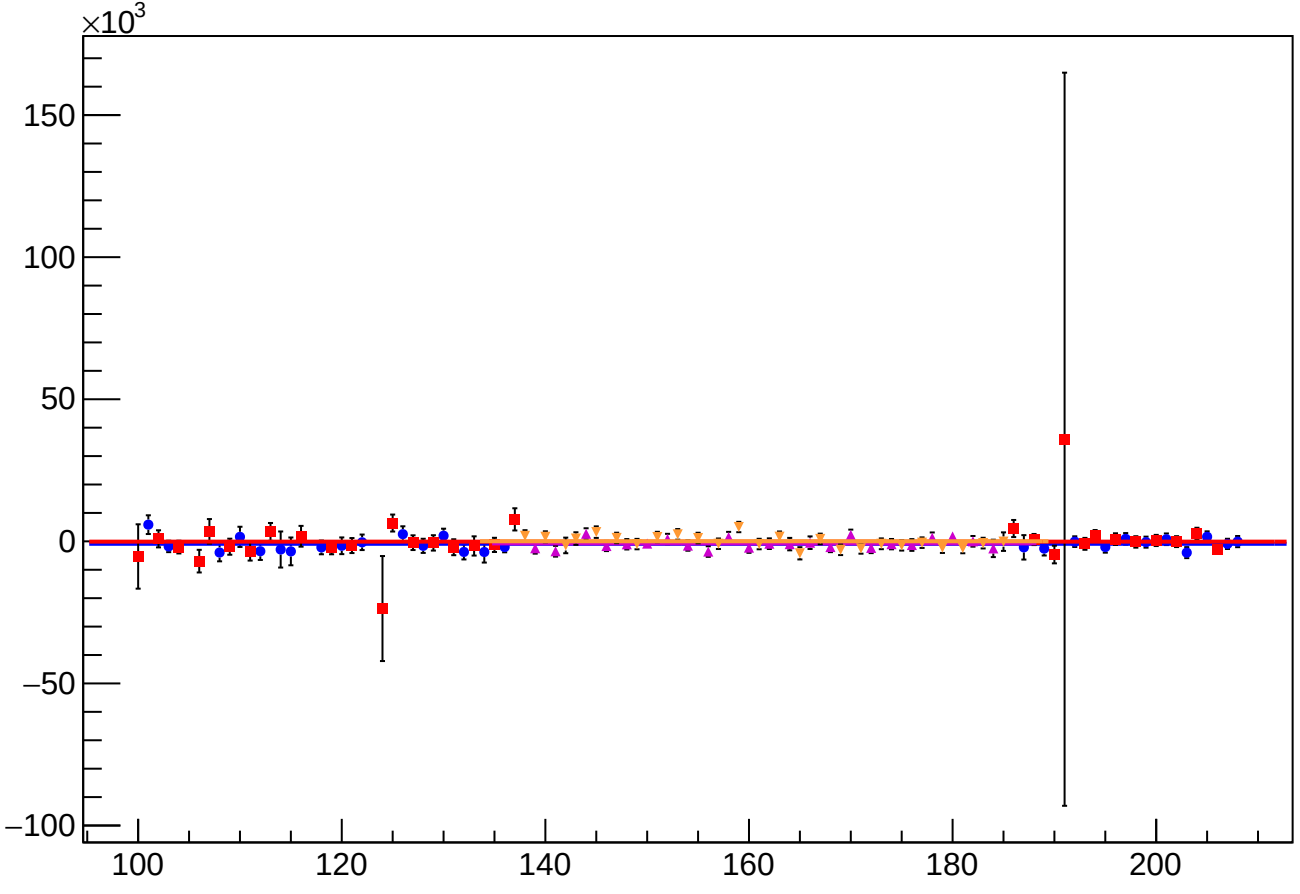
Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

Right: 0.000+/-0.000 χ^2/NDF: 25424885.7/57

In: 0.000+/-0.000 χ^2/NDF:19405962.1/49

Out: 0.000+/-0.000 χ^2/NDF:14022881.3/55

All: 0.000+/-0.000 χ^2/NDF: 33846329.7/105



Right In: -861.091+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -103.605+/-465.643 χ^2/NDF: 31.5/30

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

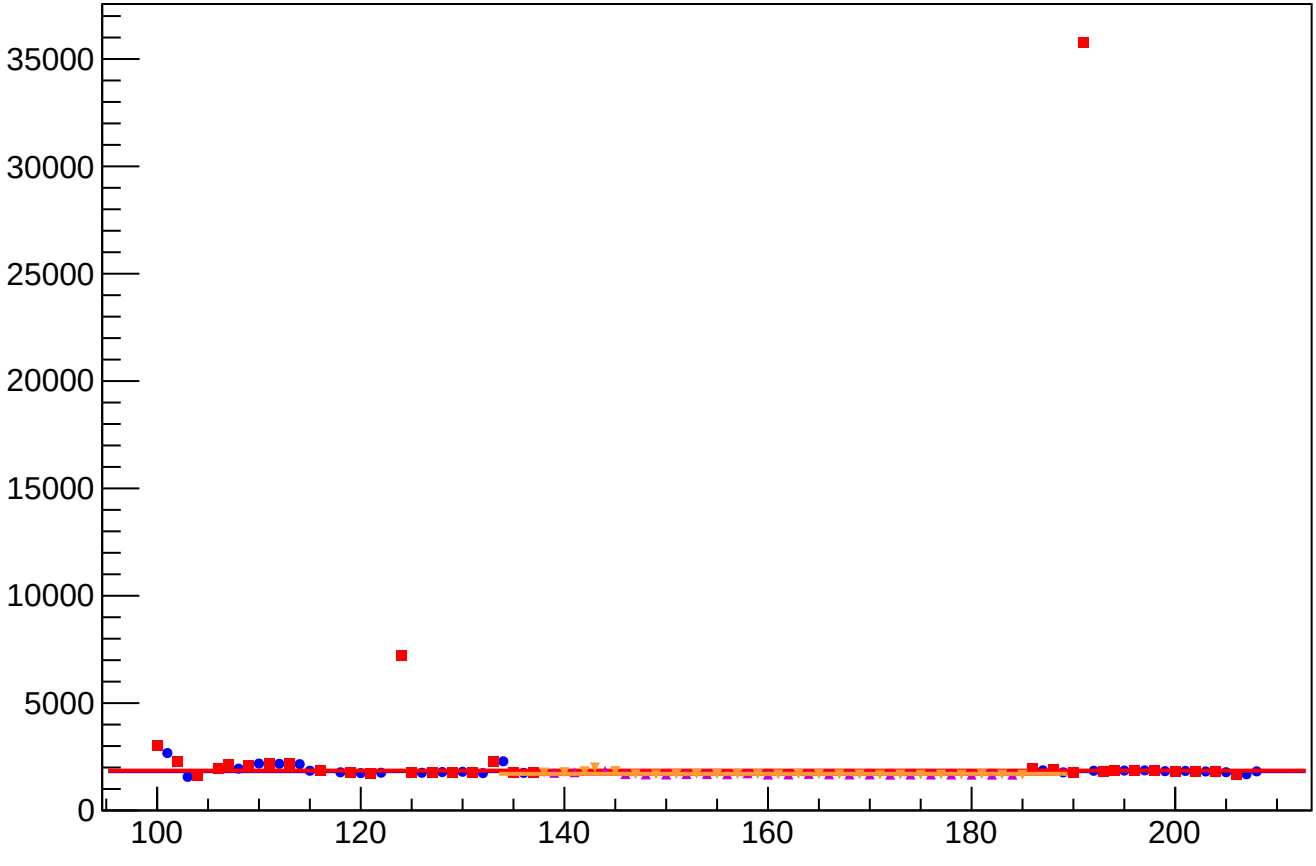
Right: -485.803+/-327.754 χ^2/NDF: 52.1/57

In: -779.636+/-300.700 χ^2/NDF:38.4/49

Out: -28.772+/-297.960 χ^2/NDF:61.0/55

All: -400.767+/-211.652 χ^2/NDF: 102.6/105

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1828.909+/-0.326 χ^2/NDF: 278932.6/26

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.277+/-0.329 χ^2/NDF: 535452.2/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

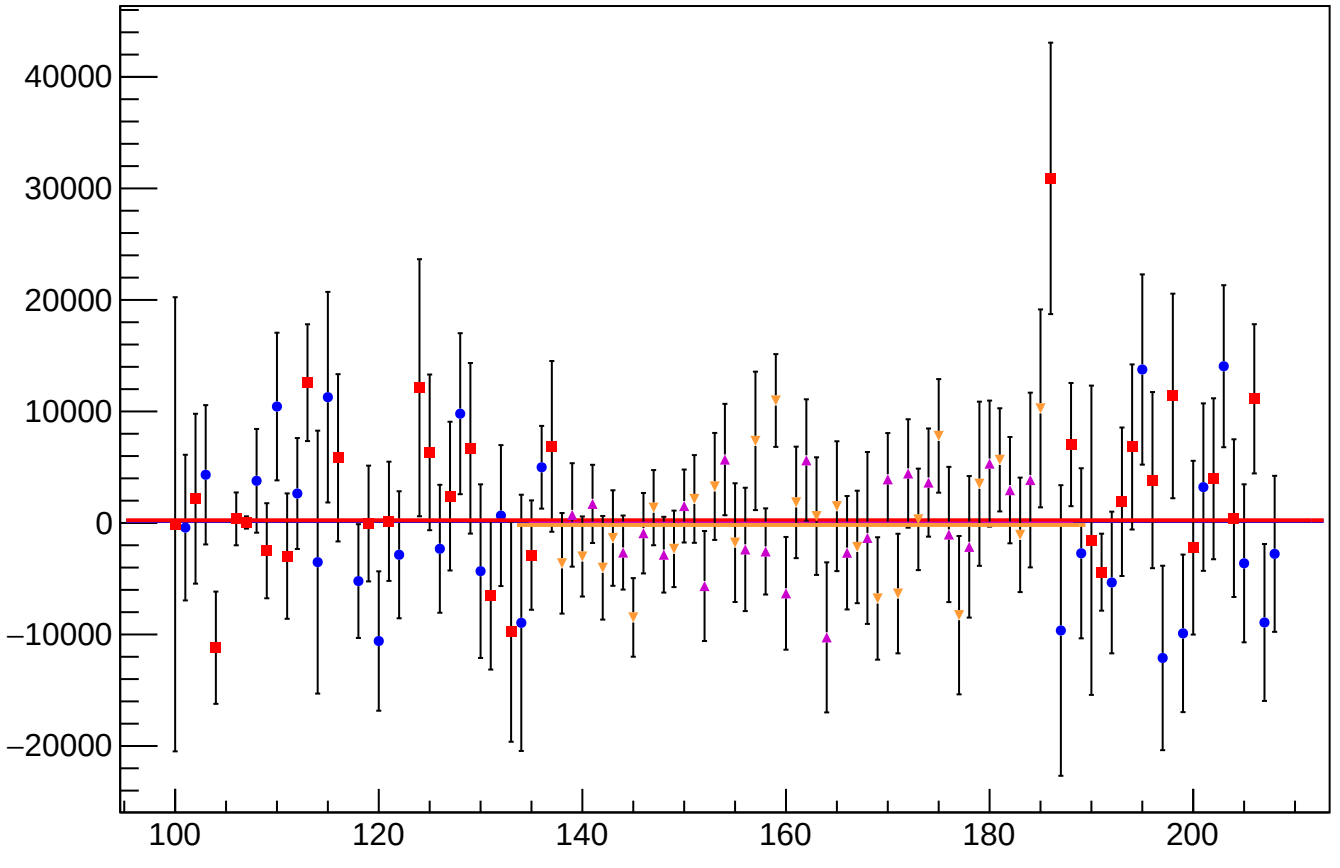
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1841.986+/-0.232 χ^2/NDF: 817623.9/57

In: 1753.318+/-0.213 χ^2/NDF:393382.3/49

Out: 1766.980+/-0.211 χ^2/NDF:717504.7/55

All: 1760.214+/-0.150 χ^2/NDF: 1112970.9/10



Right In: 177.948+/-1253.250 χ^2/NDF: 28.4/26

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 240.286+/-488.773 χ^2/NDF: 33.3/30

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

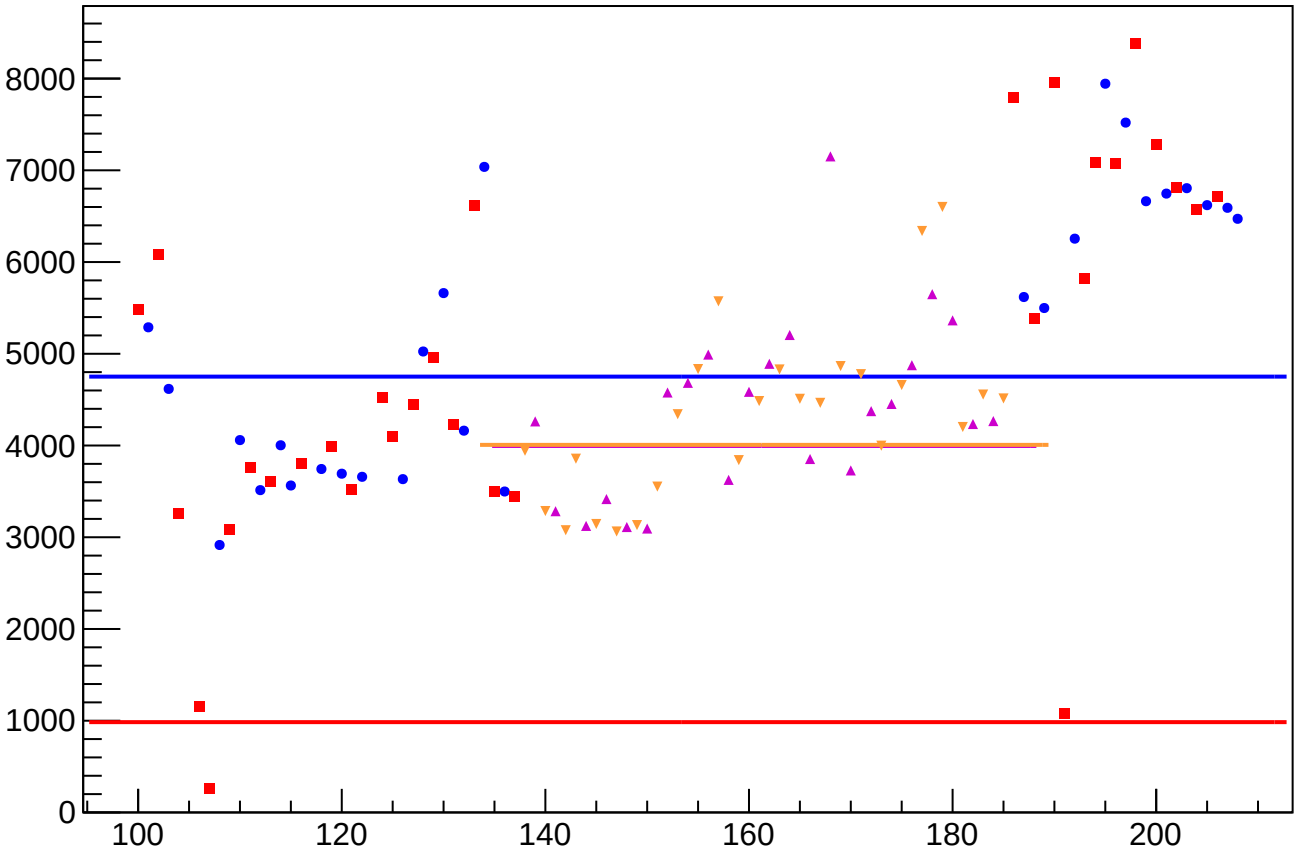
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 232.056+/-455.367 χ^2/NDF: 61.6/57

In: 29.818+/-760.294 χ^2/NDF:42.7/49

Out: 151.012+/-433.172 χ^2/NDF:61.4/55

All: 121.312+/-376.372 χ^2/NDF: 104.1/105



Right In: 4751.036+/-0.886 χ^2/NDF: 2639991.2/26

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 984.555+/-0.346 χ^2/NDF: 23867516.9/30

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

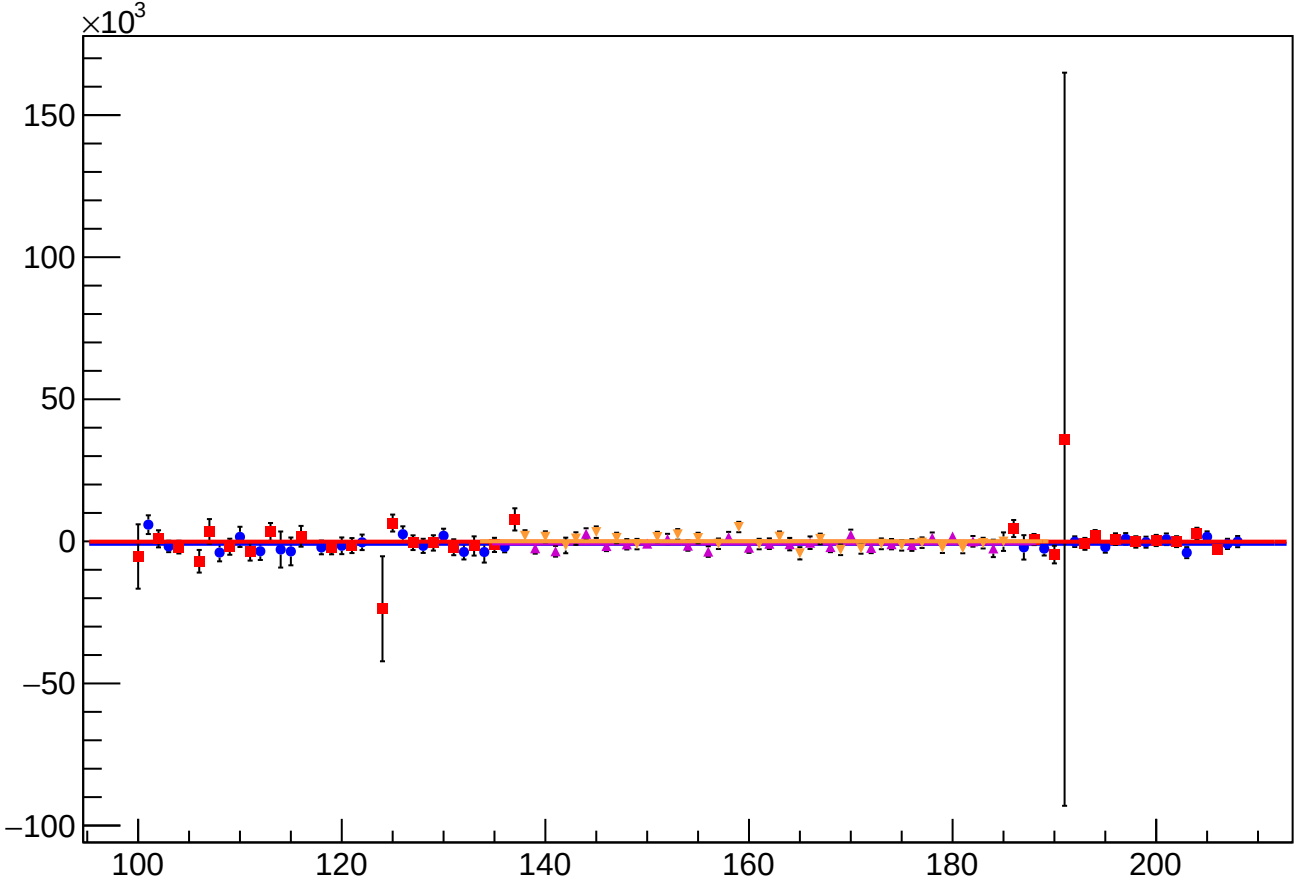
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1481.814+/-0.322 χ^2/NDF: 42187098.4/57

In: 4273.230+/-0.538 χ^2/NDF:4638112.2/49

Out: 1633.078+/-0.306 χ^2/NDF:41780859.8/55

All: 2280.073+/-0.266 χ^2/NDF: 64625946.5/1



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -103.760+/-465.644 χ^2/NDF: 31.5/30

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

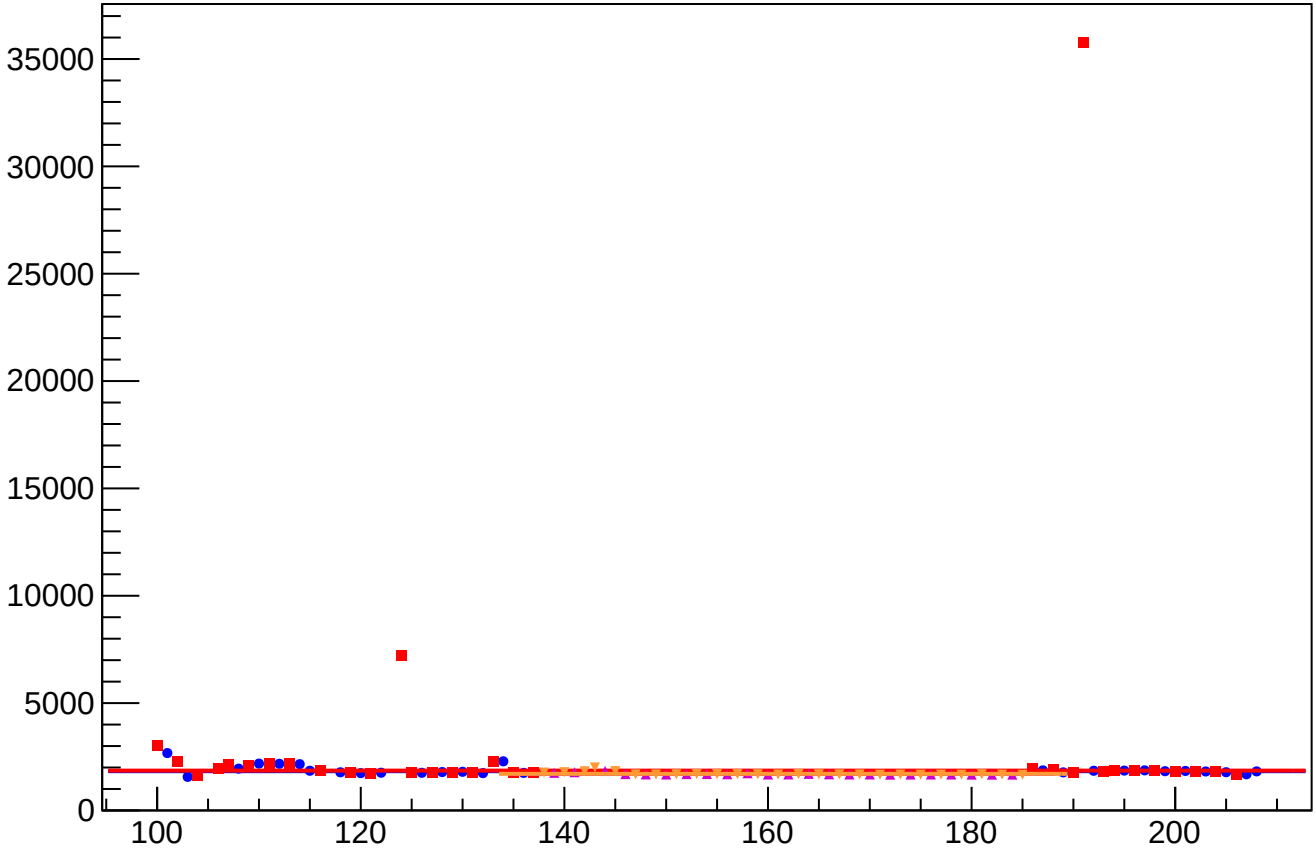
Right: -485.790+/-327.754 χ^2/NDF: 52.2/57

In: -779.489+/-300.700 χ^2/NDF:38.4/49

Out: -28.793+/-297.960 χ^2/NDF:61.0/55

All: -400.705+/-211.652 χ^2/NDF: 102.6/105

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

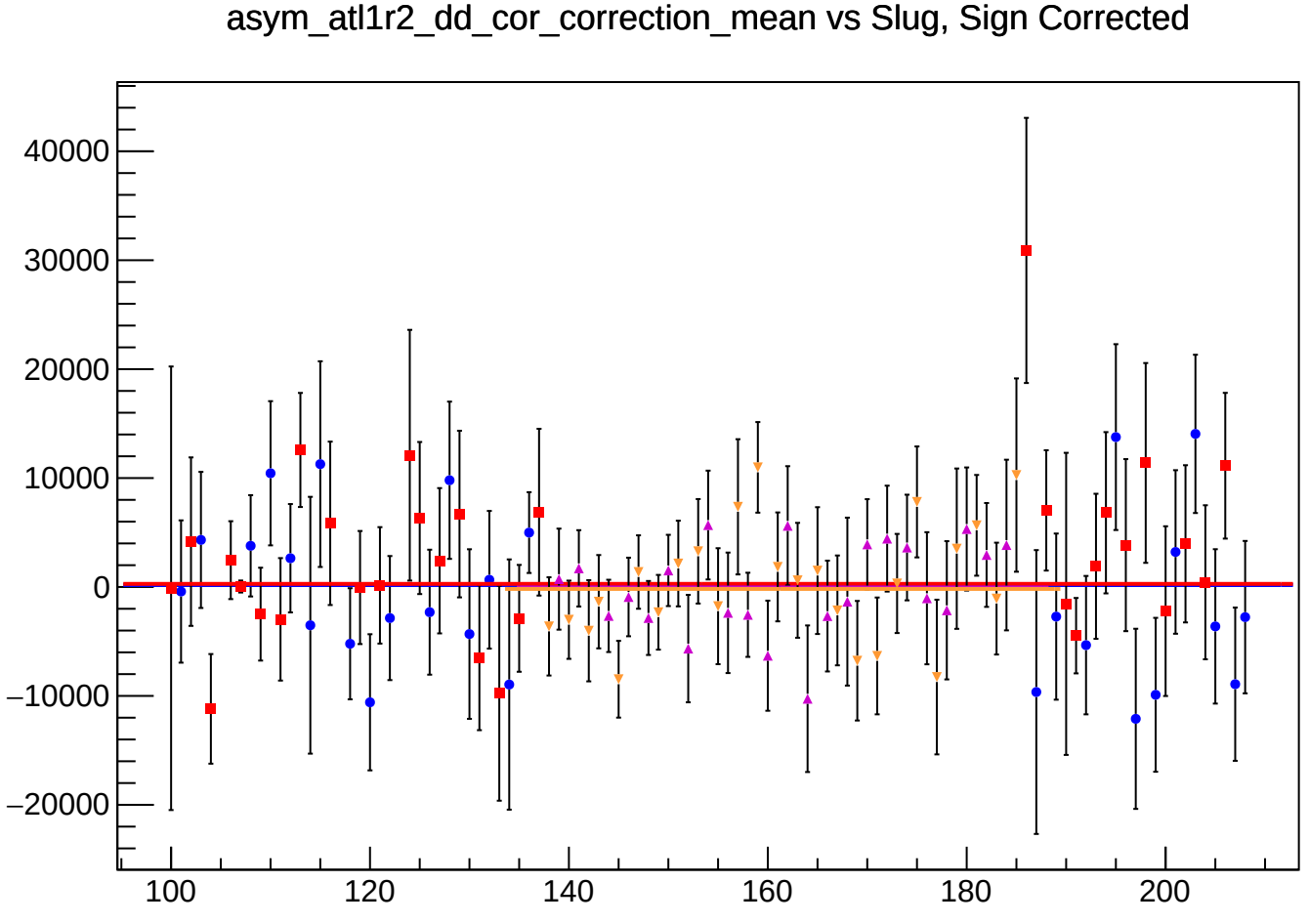
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1842.080+/-0.232 χ^2/NDF: 818014.9/57

In: 1753.318+/-0.213 χ^2/NDF:393381.8/49

Out: 1767.052+/-0.211 χ^2/NDF:718150.3/55

All: 1760.250+/-0.150 χ^2/NDF: 1113637.9/10



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 284.148+/-494.751 χ^2/NDF: 33.9/30

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

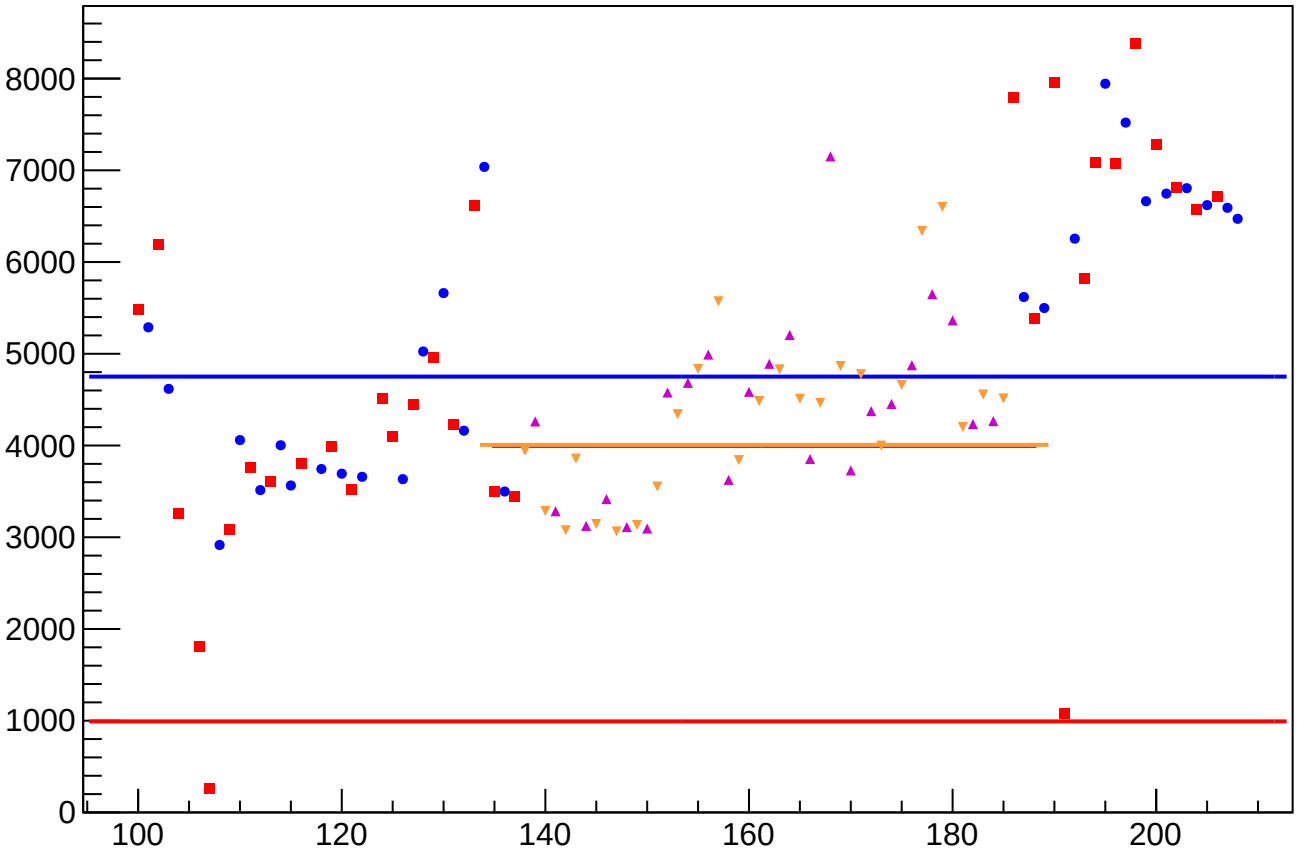
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 269.822+/-460.190 χ^2/NDF: 62.3/57

In: 29.843+/-760.294 χ^2/NDF:42.7/49

Out: 183.569+/-437.318 χ^2/NDF:62.0/55

All: 145.352+/-379.081 χ^2/NDF: 104.7/105



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

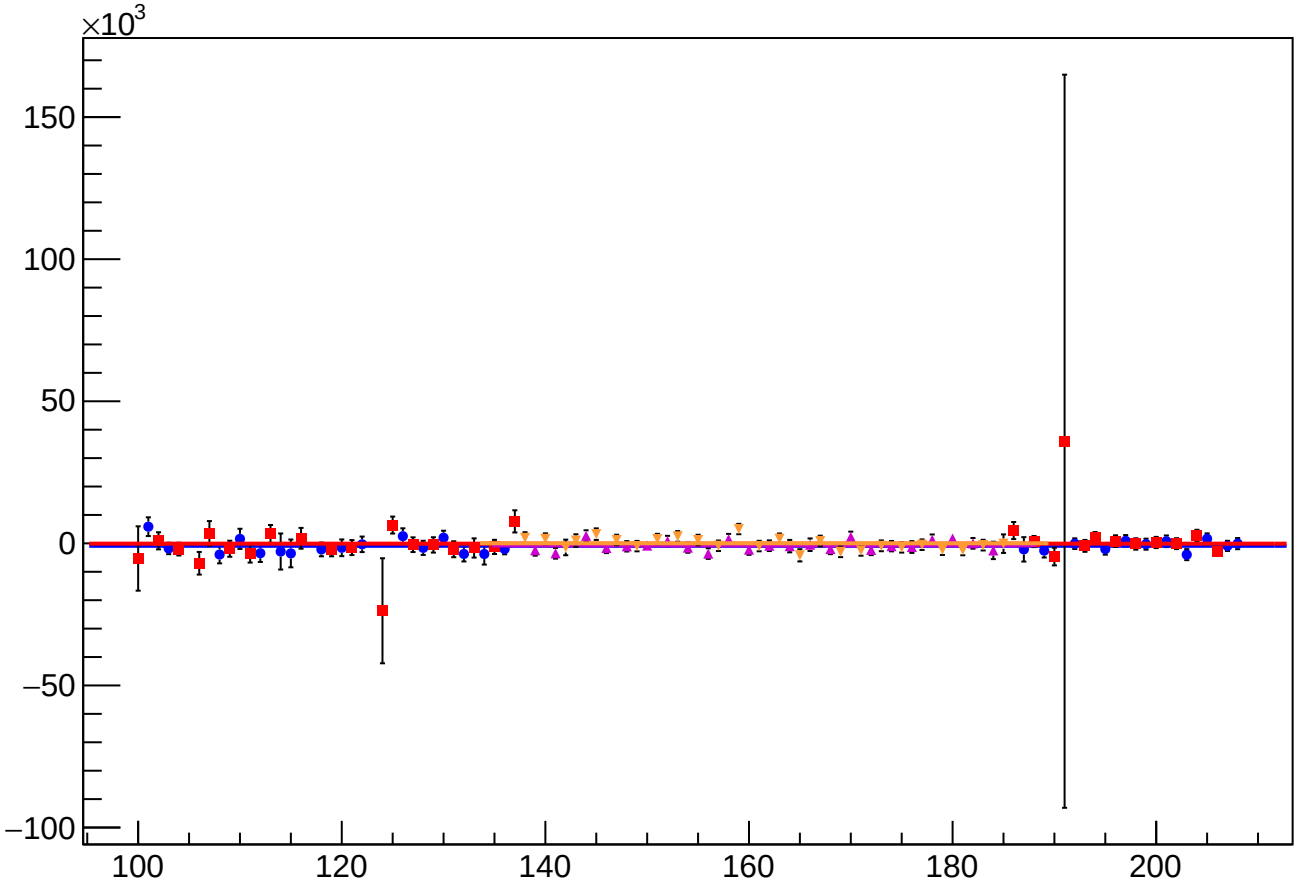
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1499.402+/-0.325 χ^2/NDF: 42176453.6/57

In: 4273.232+/-0.538 χ^2/NDF:4638119.1/49

Out: 1651.871+/-0.309 χ^2/NDF:41714537.8/55

All: 2303.542+/-0.268 χ^2/NDF: 64217179.4/1



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -103.760+/-465.644 χ^2/NDF: 31.5/30

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

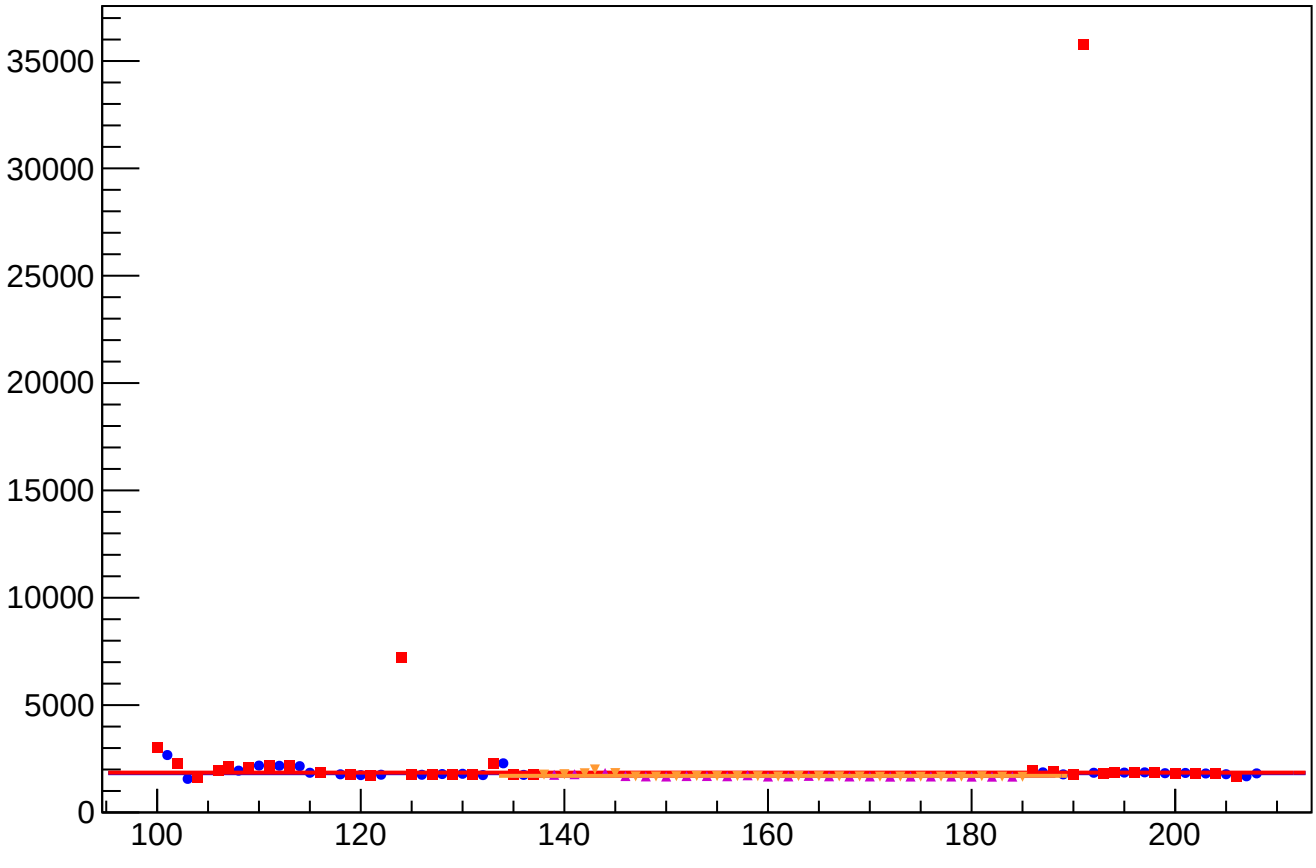
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -485.790+/-327.754 χ^2/NDF: 52.2/57

In: -779.489+/-300.700 χ^2/NDF:38.4/49

Out: -28.793+/-297.960 χ^2/NDF:61.0/55

All: -400.705+/-211.652 χ^2/NDF: 102.6/105



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

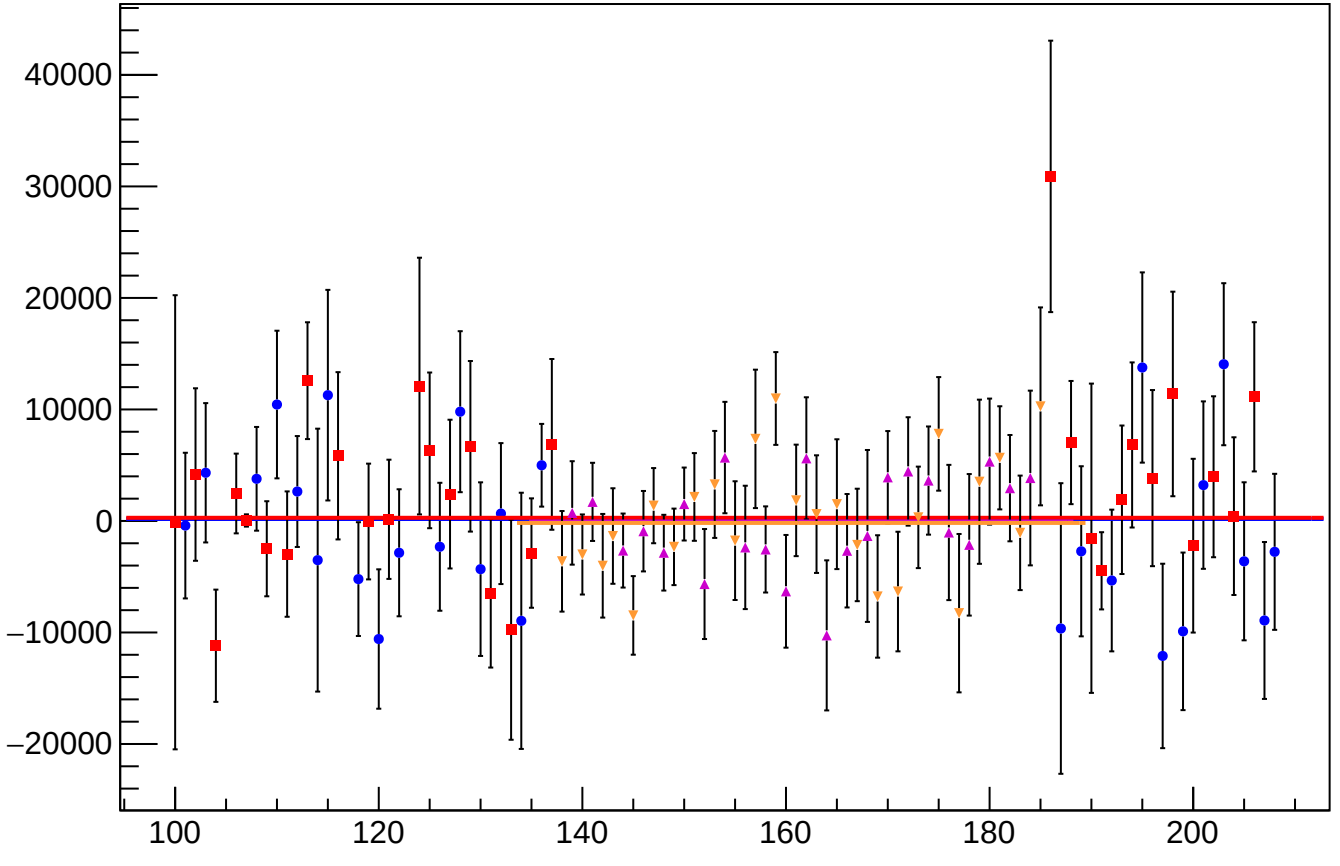
Right: 1842.080+/-0.232 χ^2/NDF: 818014.9/57

In: 1753.318+/-0.213 χ^2/NDF:393381.8/49

Out: 1767.052+/-0.211 χ^2/NDF:718150.3/55

All: 1760.250+/-0.150 χ^2/NDF: 1113637.9/10

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 284.148+/-494.751 χ^2/NDF: 33.9/30

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

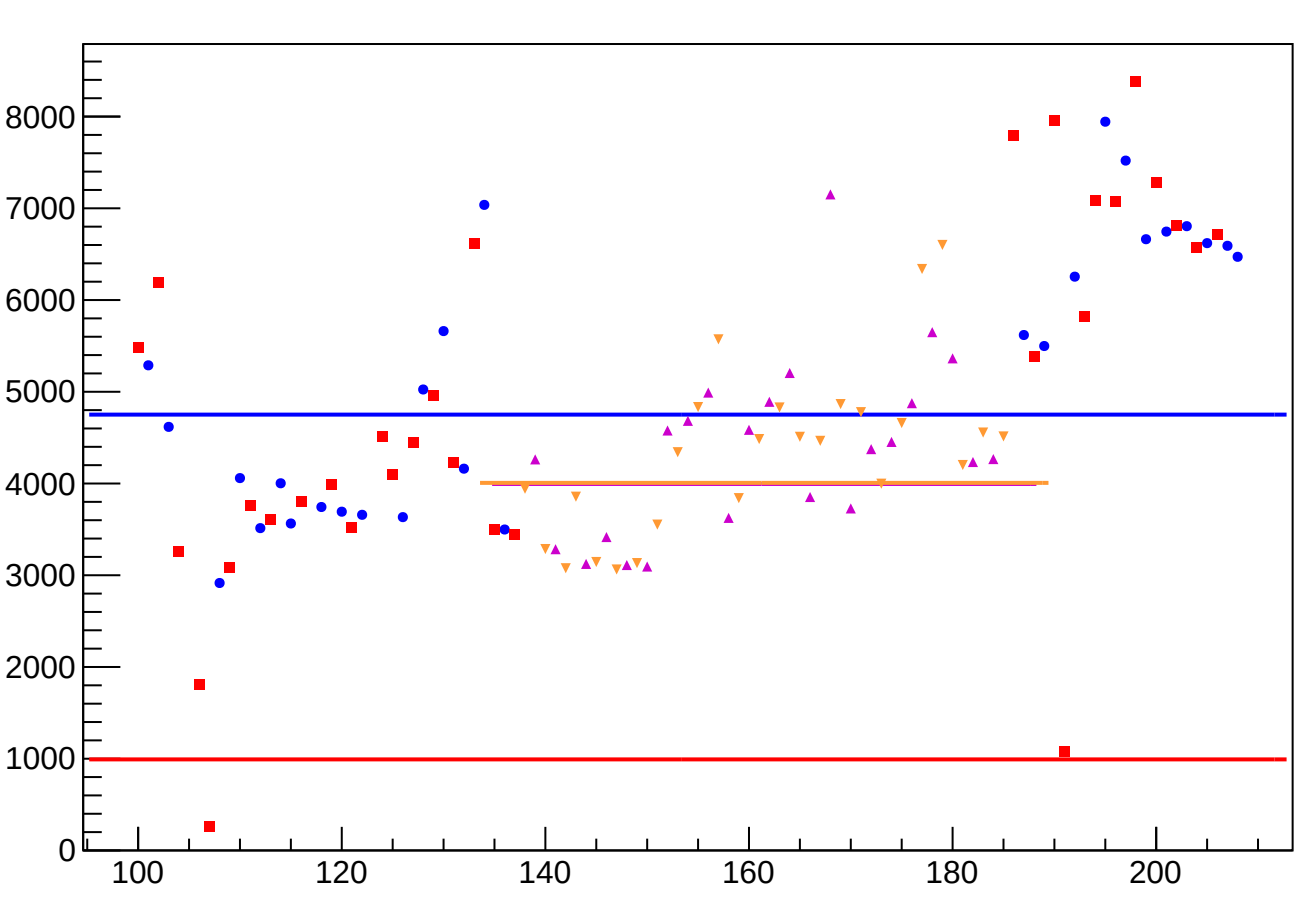
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 269.822+/-460.190 χ^2/NDF: 62.3/57

In: 29.843+/-760.294 χ^2/NDF:42.7/49

Out: 183.569+/-437.318 χ^2/NDF:62.0/55

All: 145.352+/-379.081 χ^2/NDF: 104.7/105



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

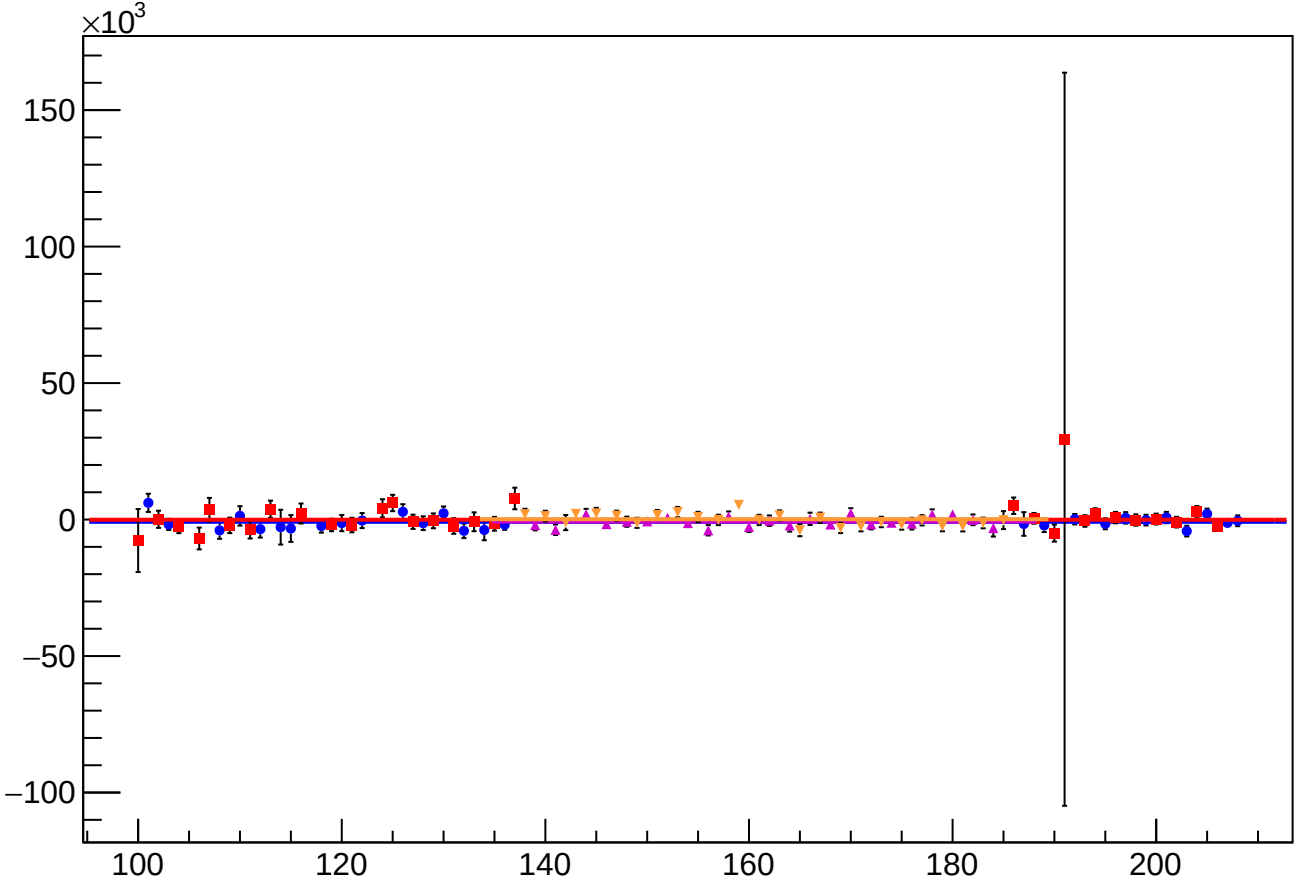
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1499.402+/-0.325 χ^2/NDF: 42176453.6/57

In: 4273.232+/-0.538 χ^2/NDF:4638119.1/49

Out: 1651.871+/-0.309 χ^2/NDF:41714537.8/55

All: 2303.542+/-0.268 χ^2/NDF: 64217179.4/



Right In: -822.330+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -65.673+/-467.431 χ^2/NDF: 32.7/30

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

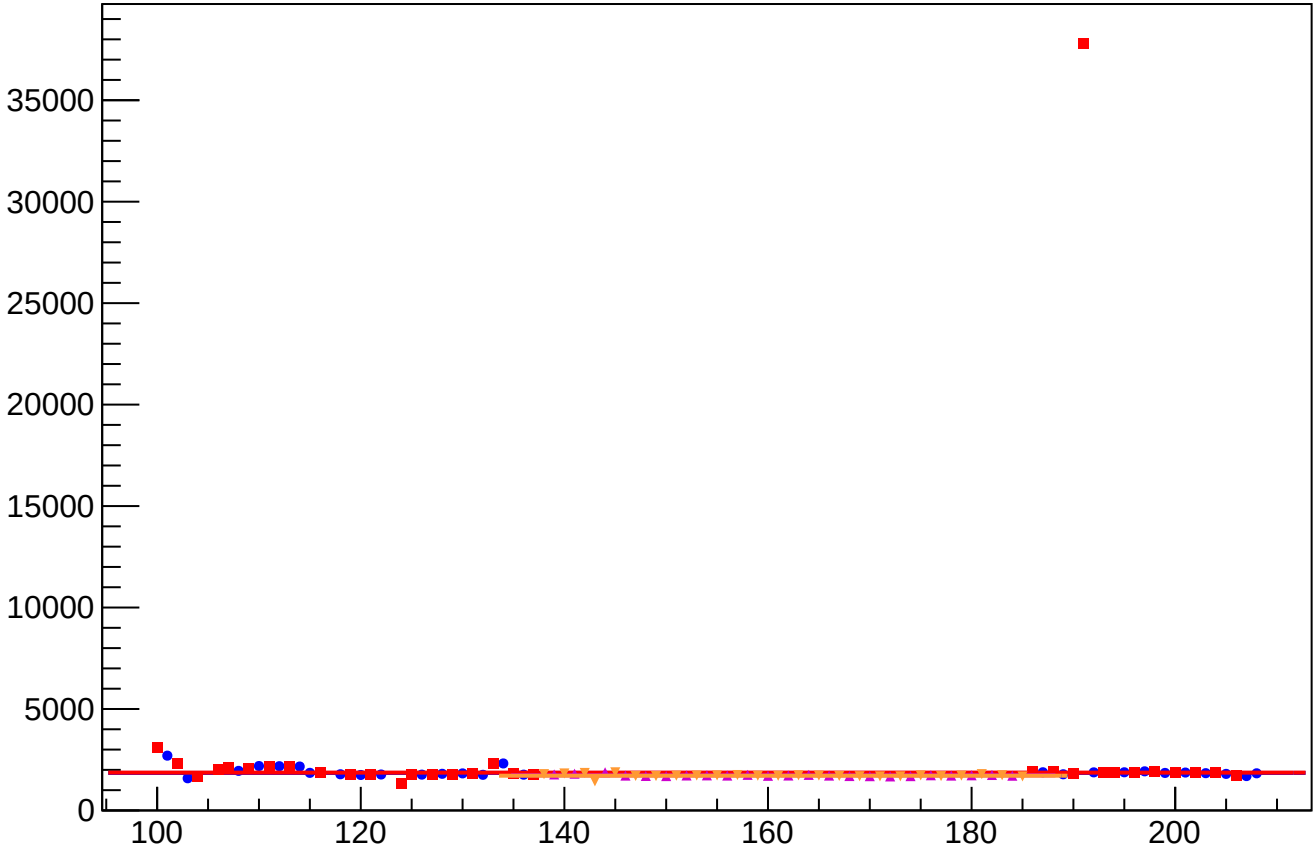
Right: -444.860+/-330.148 χ^2/NDF: 54.6/57

In: -775.991+/-305.429 χ^2/NDF:39.6/49

Out: 43.896+/-299.211 χ^2/NDF:62.5/55

All: -357.618+/-213.739 χ^2/NDF: 105.8/105

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.2/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1864.353+/-0.330 χ^2/NDF: 430128.9/30

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

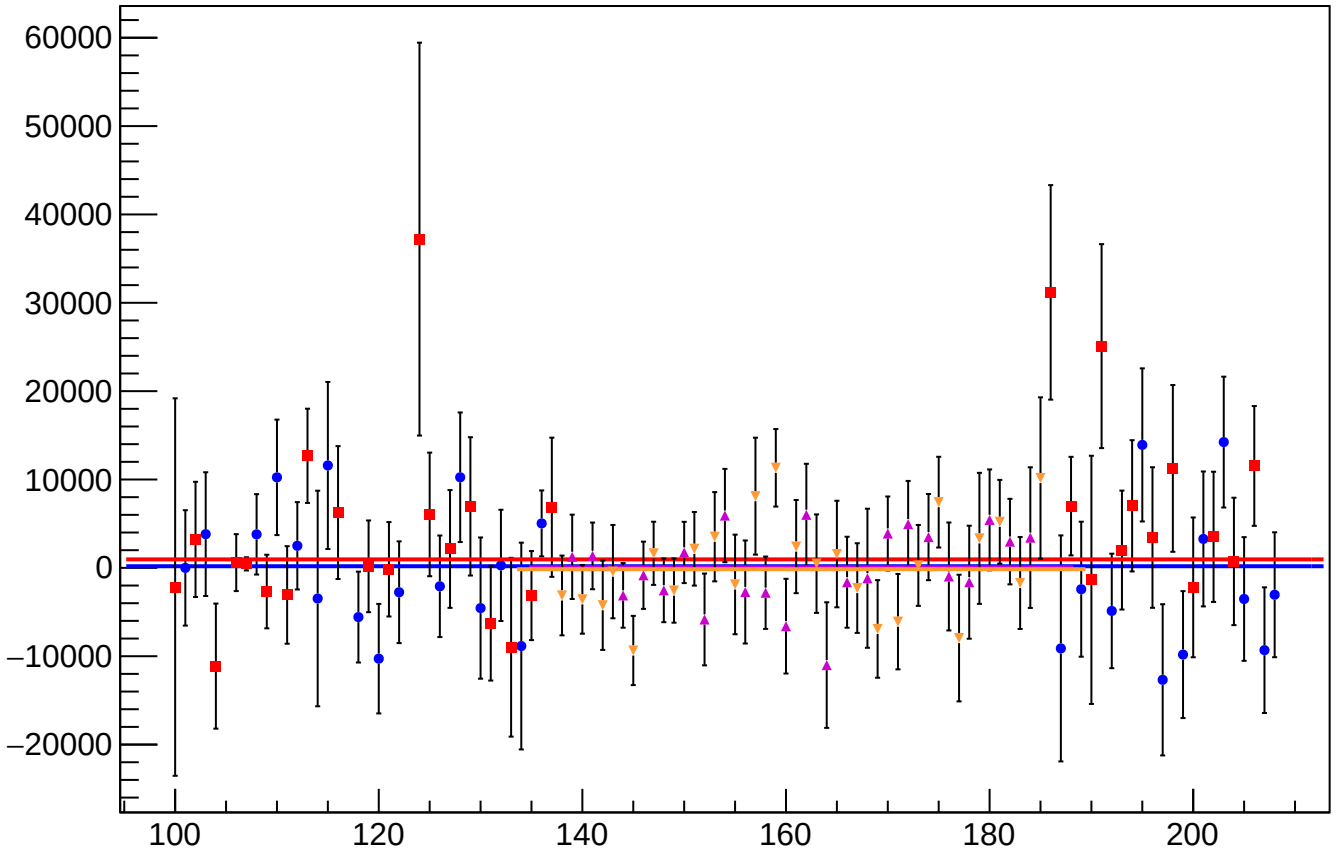
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1856.324+/-0.233 χ^2/NDF: 710371.7/57

In: 1780.945+/-0.216 χ^2/NDF:375241.4/49

Out: 1774.637+/-0.212 χ^2/NDF:649482.7/55

All: 1777.726+/-0.151 χ^2/NDF: 1025159.5/10



Right In: 184.241+/-1263.604 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 960.380+/-632.429 χ^2/NDF: 33.9/30

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

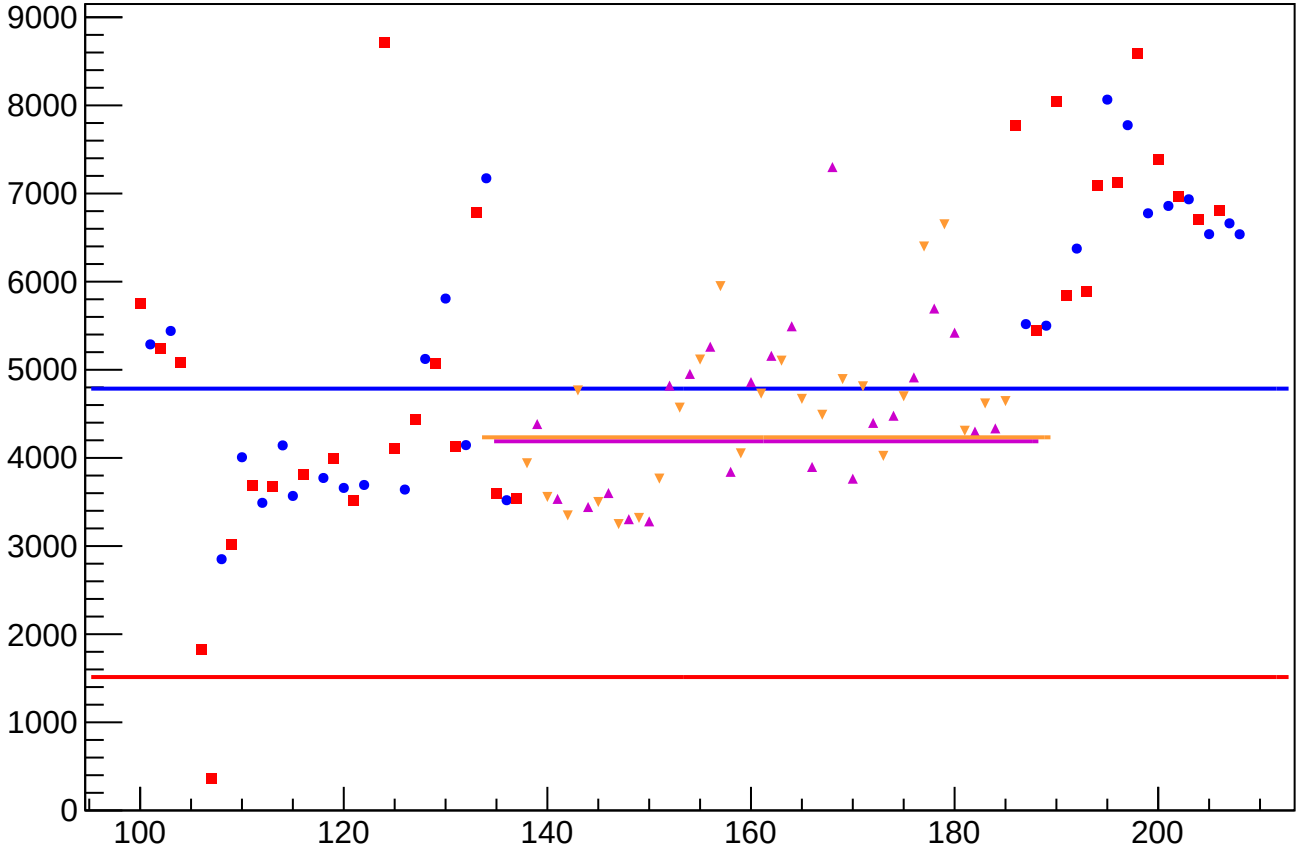
Right: 804.906+/-565.549 χ^2/NDF: 62.3/57

In: 111.030+/-784.204 χ^2/NDF:42.1/49

Out: 636.198+/-532.176 χ^2/NDF:61.7/55

All: 470.605+/-440.353 χ^2/NDF: 104.0/105

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4786.221+/-0.894 χ^2/NDF: 2793236.3/26

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1513.665+/-0.447 χ^2/NDF: 21224213.4/30

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

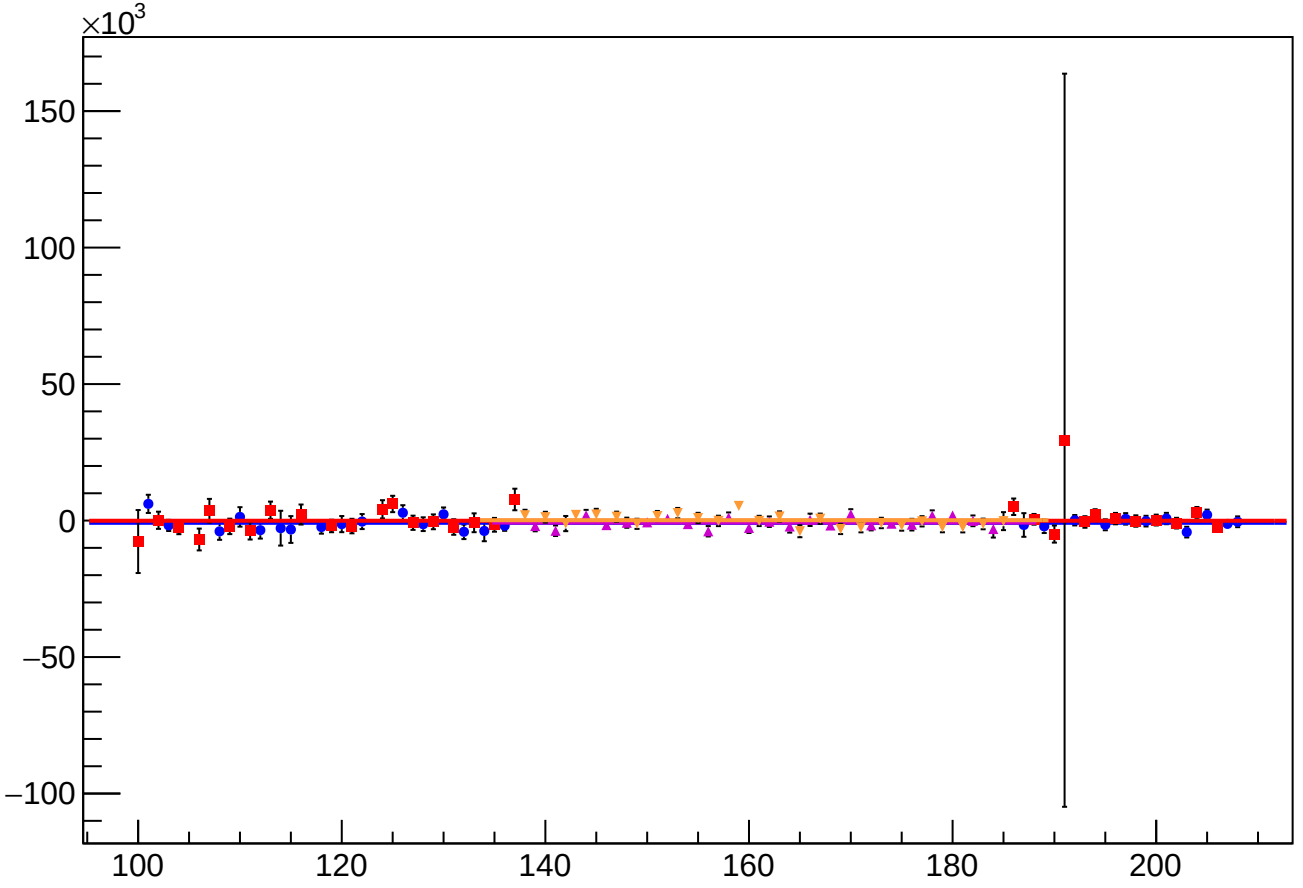
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2169.216+/-0.400 χ^2/NDF: 34744978.8/57

In: 4418.945+/-0.555 χ^2/NDF:4412645.1/49

Out: 2307.737+/-0.376 χ^2/NDF:33310221.1/55

All: 2973.431+/-0.311 χ^2/NDF: 47647754.8/1



Right In: -822.331+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -65.673+/-467.431 χ^2/NDF: 32.7/30

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

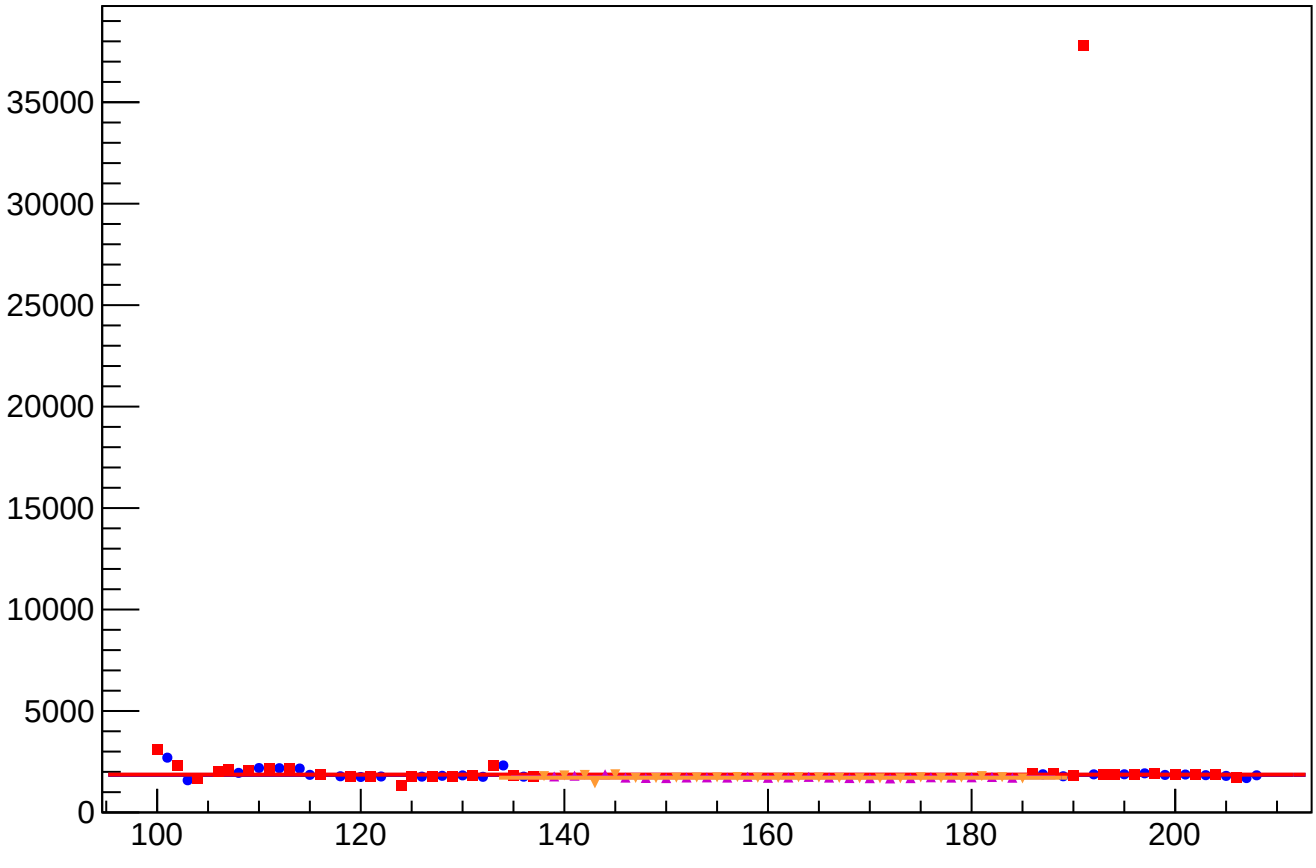
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -444.860+/-330.148 χ^2/NDF: 54.6/57

In: -775.991+/-305.429 χ^2/NDF:39.6/49

Out: 43.897+/-299.211 χ^2/NDF:62.5/55

All: -357.616+/-213.739 χ^2/NDF: 105.8/105



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.0/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1864.353+/-0.330 χ^2/NDF: 430129.2/30

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

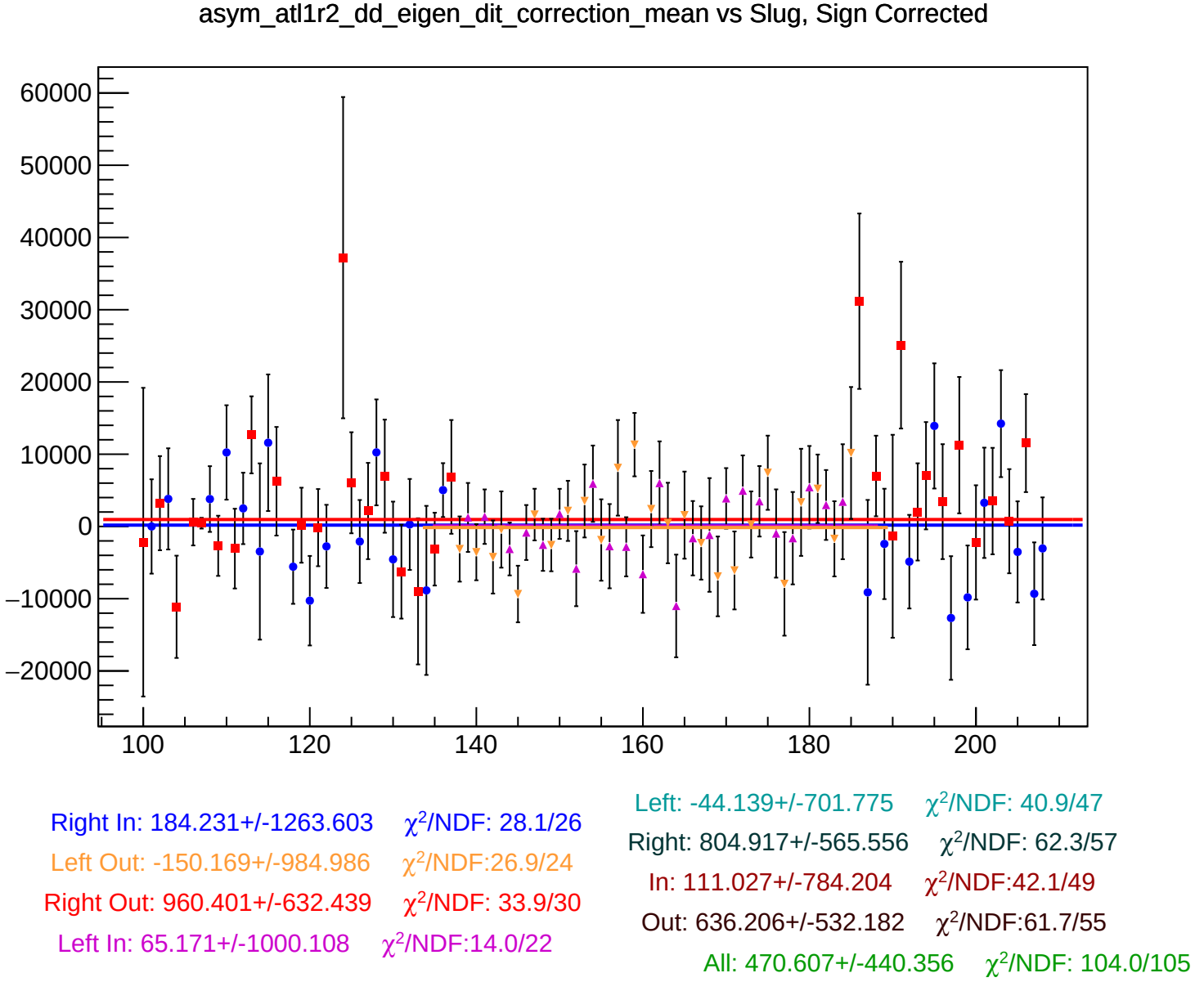
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

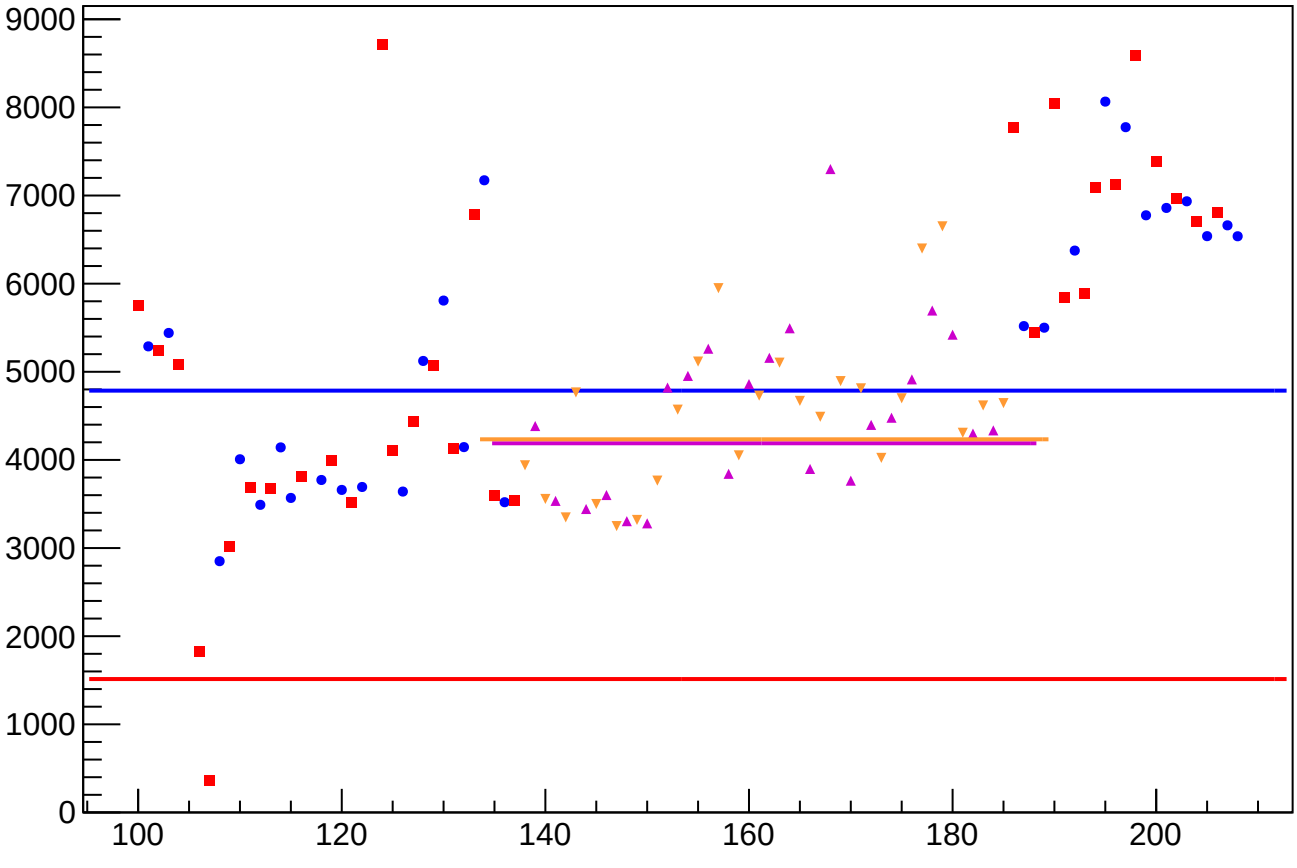
Right: 1856.324+/-0.233 χ^2/NDF: 710371.9/57

In: 1780.946+/-0.216 χ^2/NDF:375240.5/49

Out: 1774.637+/-0.212 χ^2/NDF:649481.3/55

All: 1777.726+/-0.151 χ^2/NDF: 1025157.3/10


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 184.231+/-1263.603 χ²/NDF: 28.1/26
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 960.401+/-632.439 χ²/NDF: 33.9/30
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 804.917+/-565.556 χ²/NDF: 62.3/57
In: 111.027+/-784.204 χ²/NDF:42.1/49
Out: 636.206+/-532.182 χ²/NDF:61.7/55
All: 470.607+/-440.356 χ²/NDF: 104.0/105



Right In: 4786.216+/-0.894 χ^2/NDF: 2793256.0/26

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1513.707+/-0.447 χ^2/NDF: 21223938.0/30

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

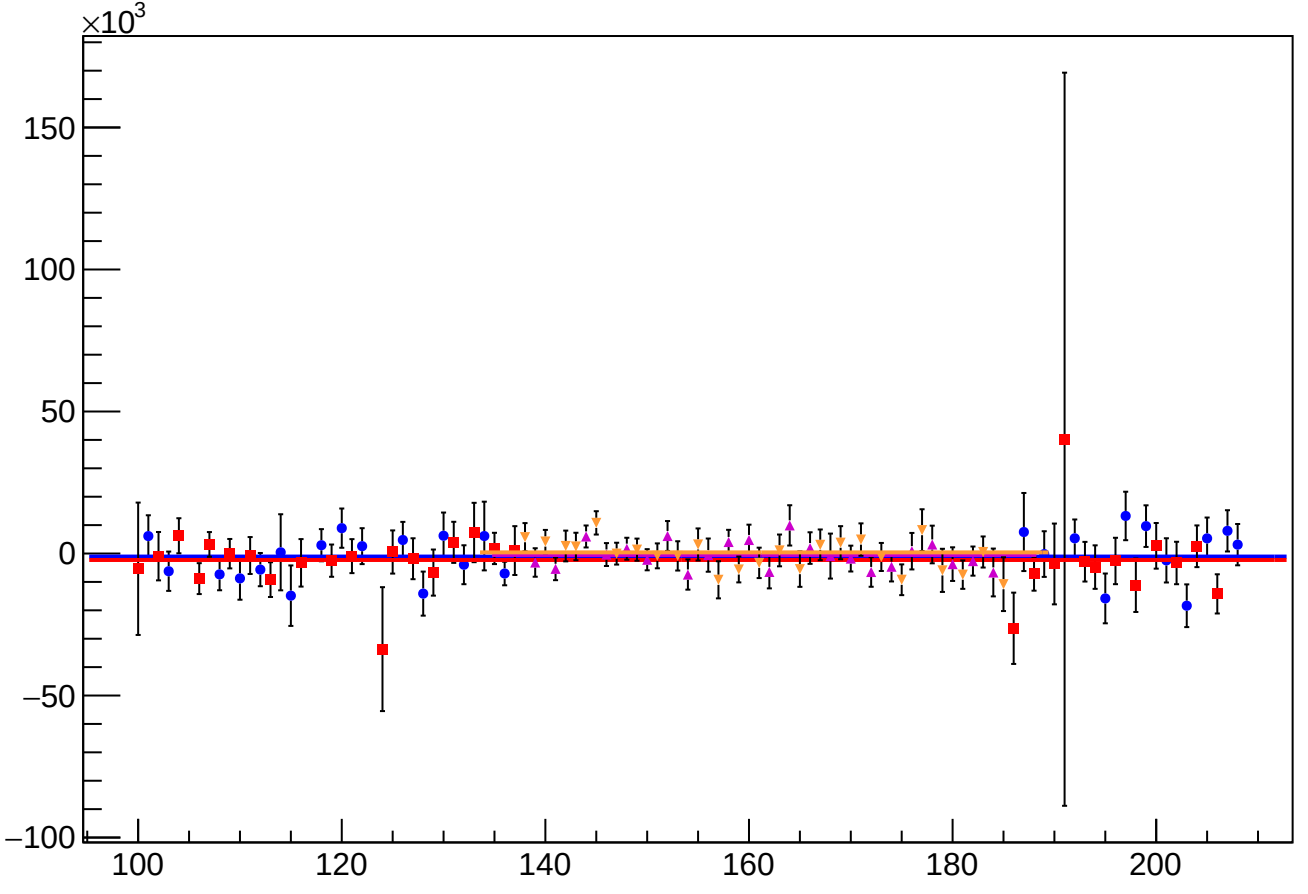
Right: 2169.265+/-0.400 χ^2/NDF: 34744366.8/57

In: 4418.948+/-0.555 χ^2/NDF:4412659.6/49

Out: 2307.783+/-0.376 χ^2/NDF:33309548.9/55

All: 2973.474+/-0.311 χ^2/NDF: 47646603.9/1

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1072.829+/-1371.258 χ^2/NDF: 33.2/26

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -2273.181+/-1296.461 χ^2/NDF: 20.7/30

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

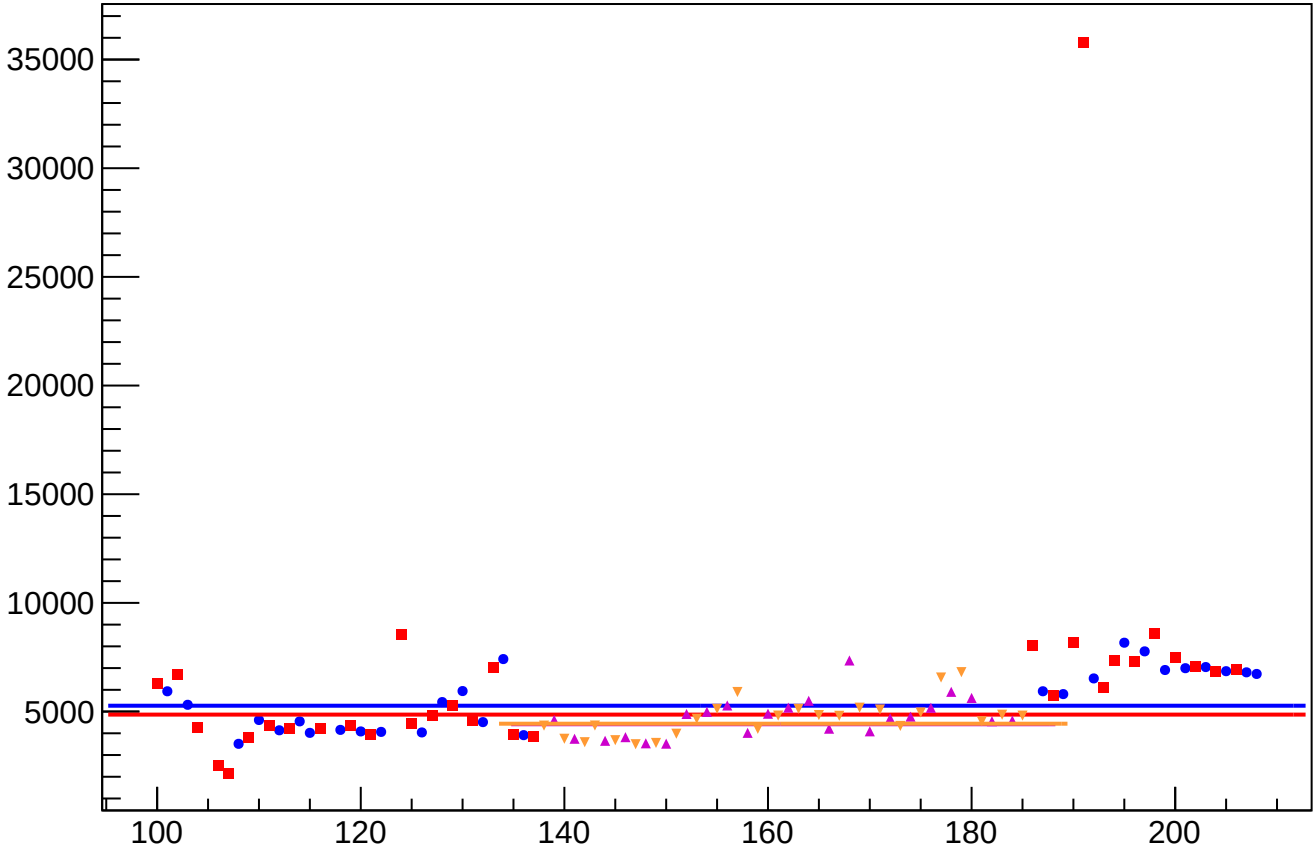
Right: -1706.634+/-942.069 χ^2/NDF: 54.3/57

In: -713.535+/-833.508 χ^2/NDF:50.7/49

Out: -633.471+/-805.712 χ^2/NDF:48.0/55

All: -672.146+/-579.302 χ^2/NDF: 98.7/105

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5268.573+/-0.970 χ^2/NDF: 1984261.1/26

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4859.581+/-0.910 χ^2/NDF: 3680248.6/30

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

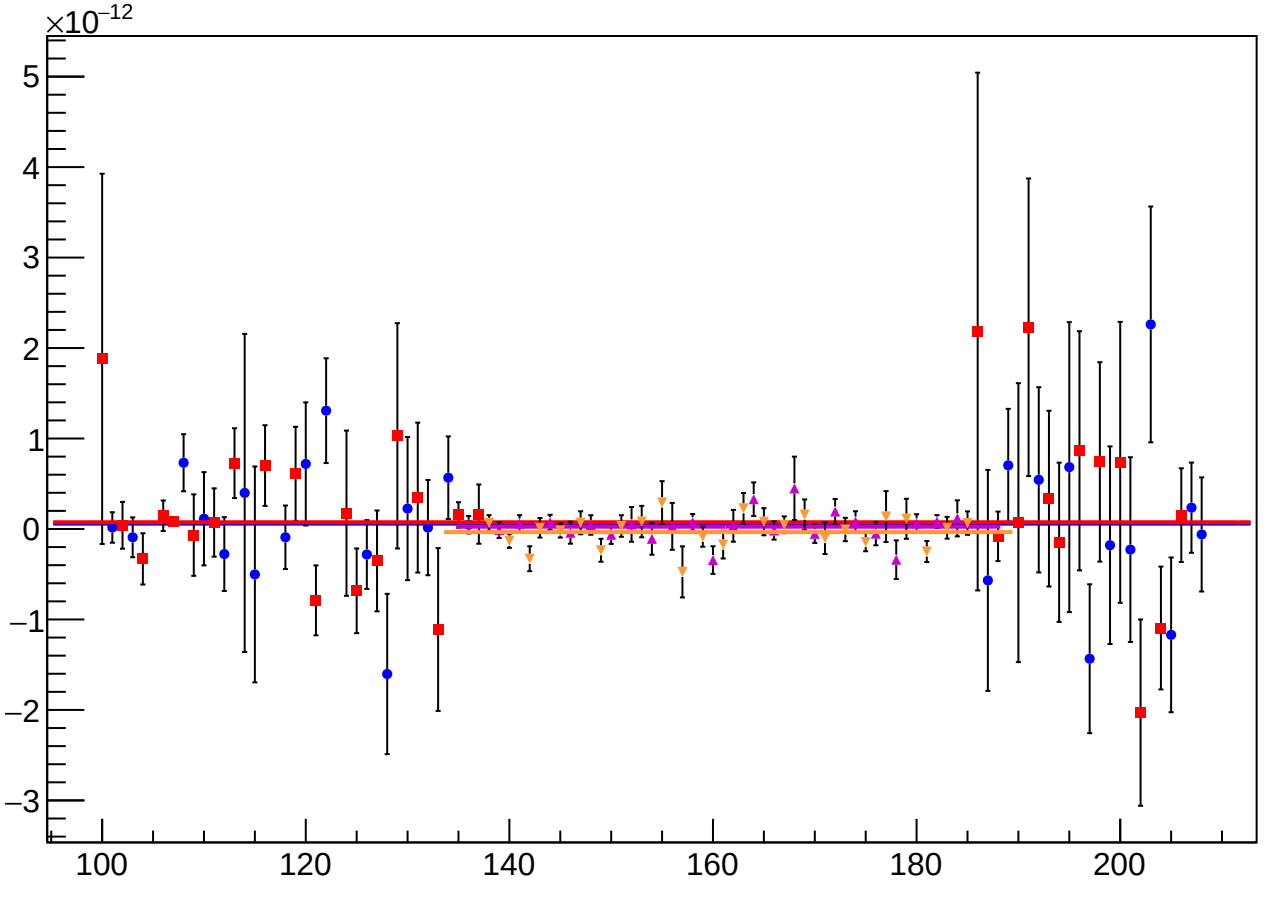
Right: 5051.187+/-0.664 χ^2/NDF: 5759076.3/57

In: 4730.602+/-0.589 χ^2/NDF:3583879.9/49

Out: 4603.946+/-0.568 χ^2/NDF:4882551.2/55

All: 4664.955+/-0.409 χ^2/NDF: 8490367.2/10

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/30

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

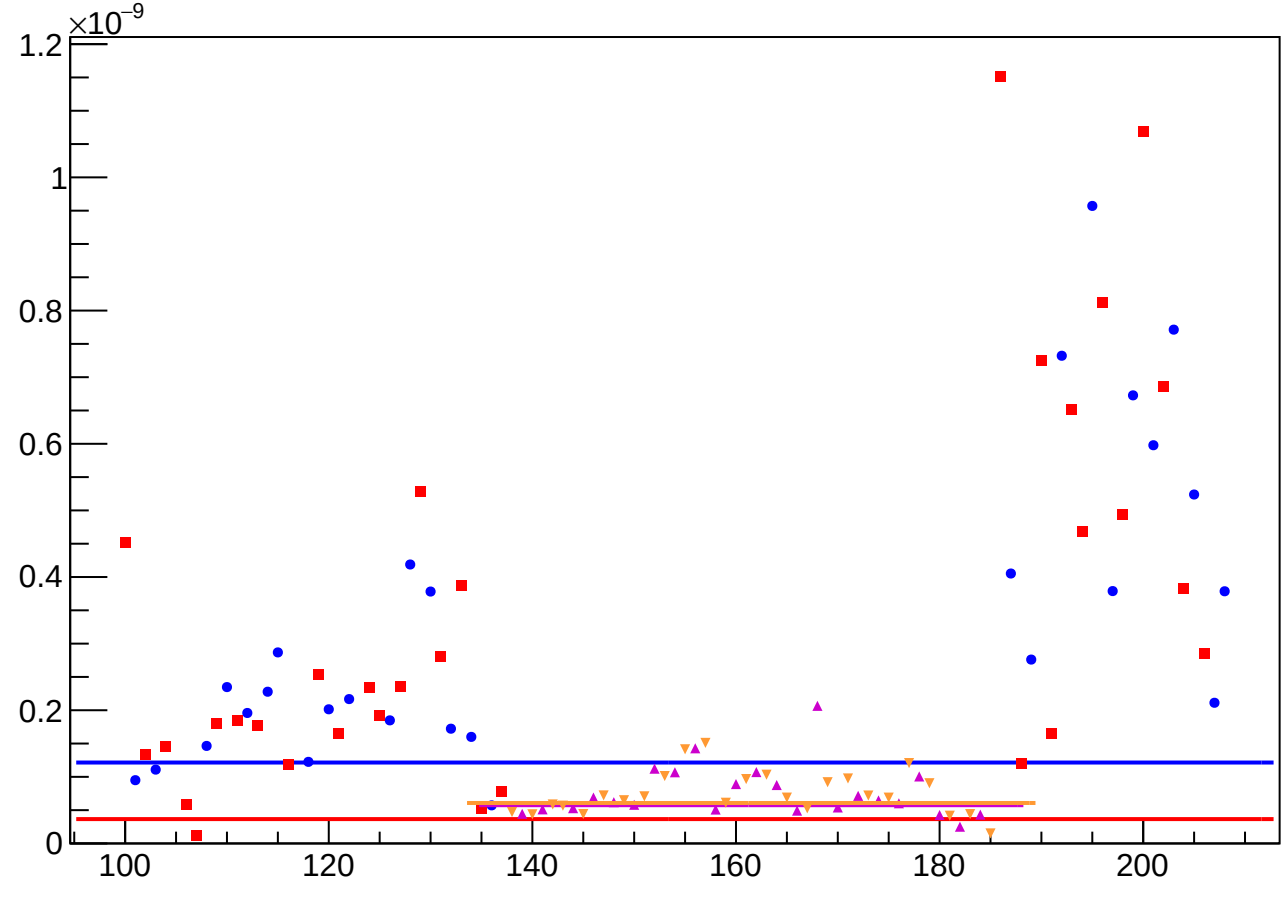
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.6/57

In: 0.000+/-0.000 χ^2/NDF:47.2/49

Out: 0.000+/-0.000 χ^2/NDF:66.3/55

All: 0.000+/-0.000 χ^2/NDF: 114.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 5734831.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10328673.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

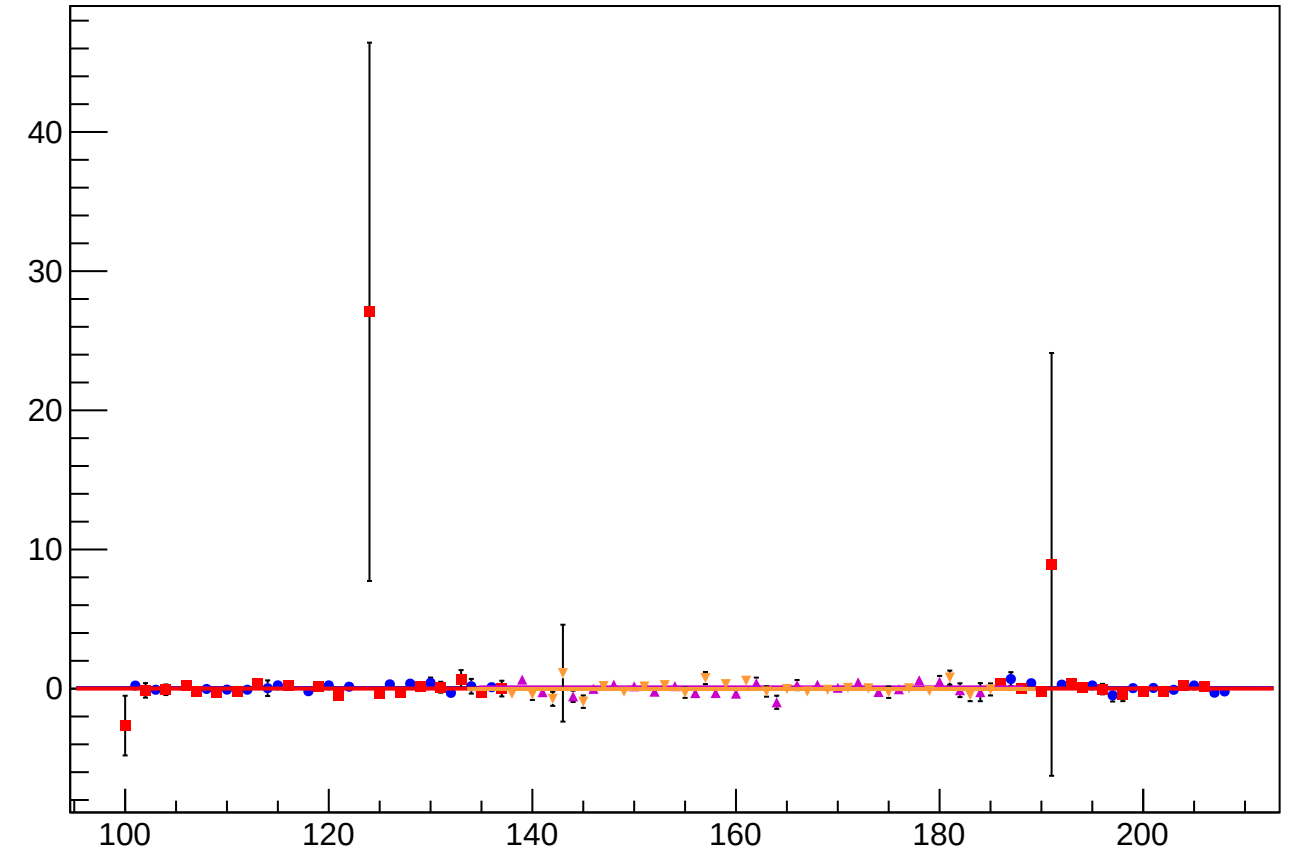
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 18740515.3/57

In: 0.000+/-0.000 χ^2/NDF:9283654.3/49

Out: 0.000+/-0.000 χ^2/NDF:12747056.9/55

All: 0.000+/-0.000 χ^2/NDF: 22413798.9/105



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

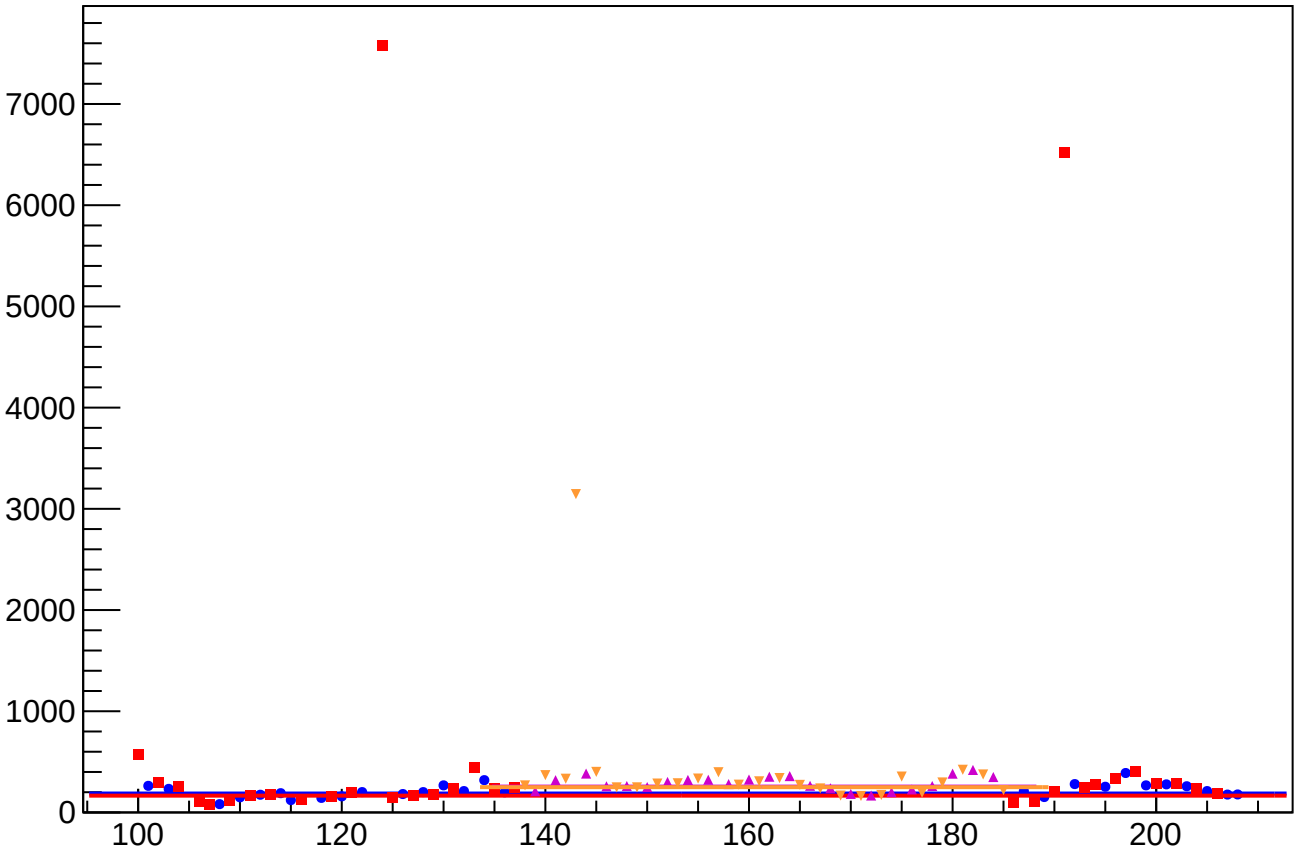
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.024+/-0.034 χ^2/NDF: 49.7/57

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.028+/-0.027 χ^2/NDF: 106.6/105



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

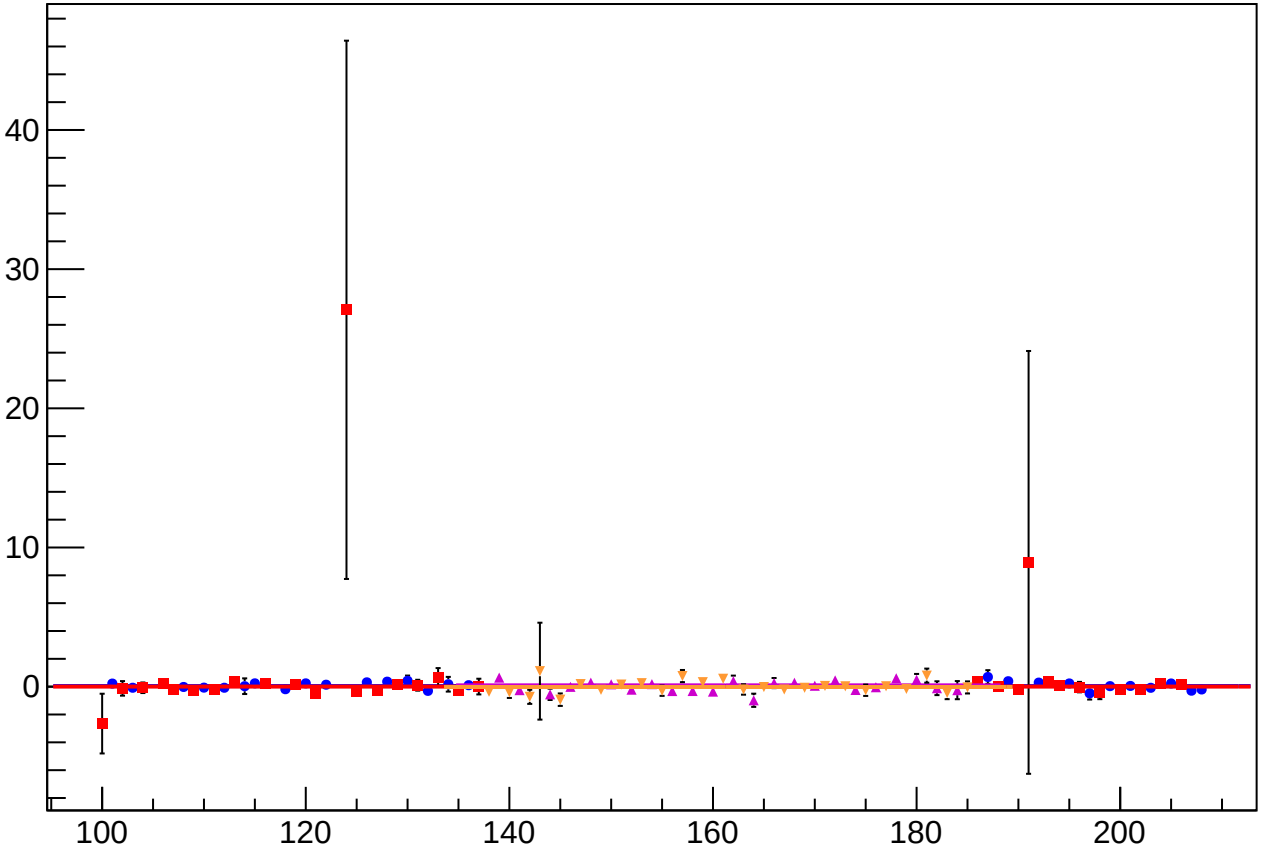
Right: 175.761+/-0.024 χ^2/NDF: 8451964.9/57

In: 213.899+/-0.028 χ^2/NDF:6502891.6/49

Out: 196.864+/-0.026 χ^2/NDF:11872592.3/55

All: 204.903+/-0.019 χ^2/NDF: 18571795.8/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

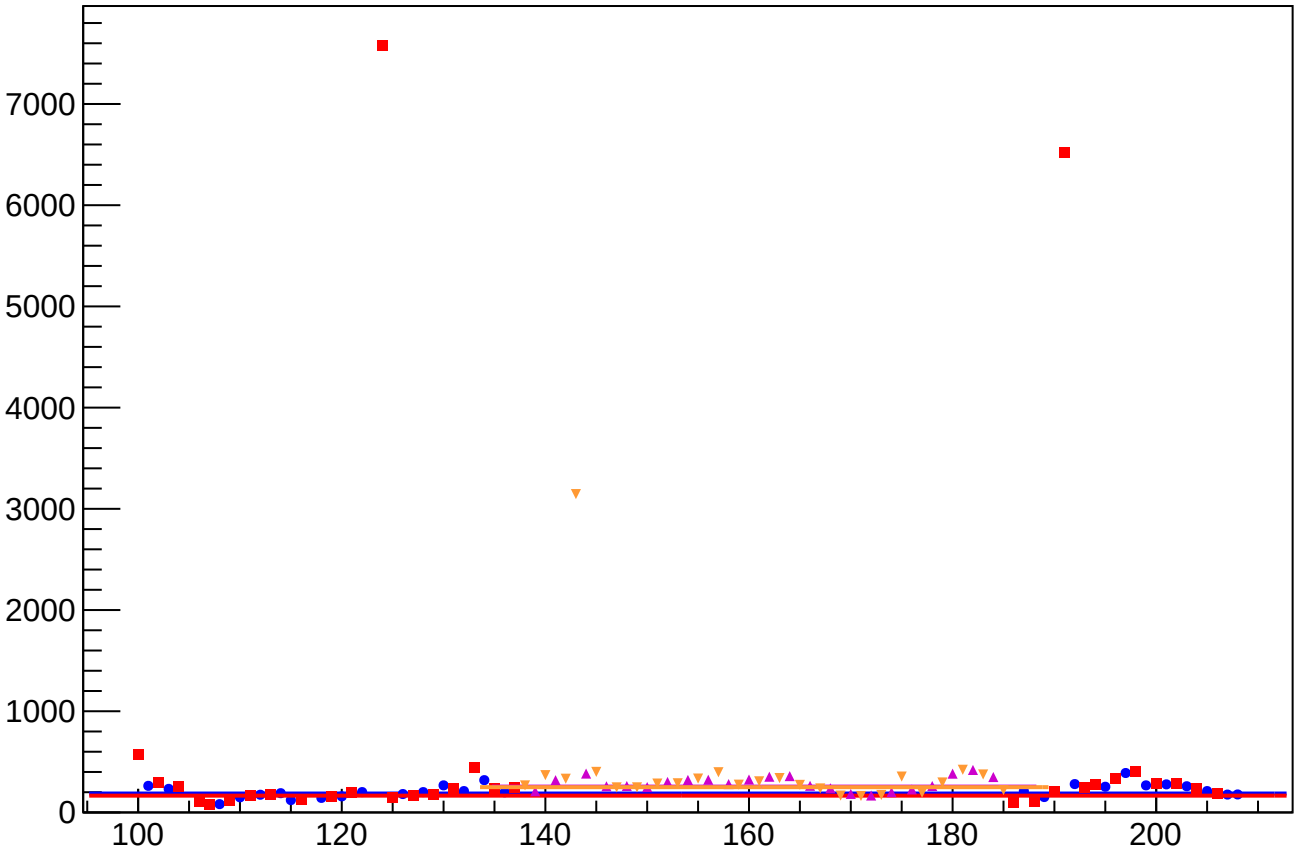
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.024+/-0.034 χ^2/NDF: 49.7/57

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.028+/-0.027 χ^2/NDF: 106.6/105



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

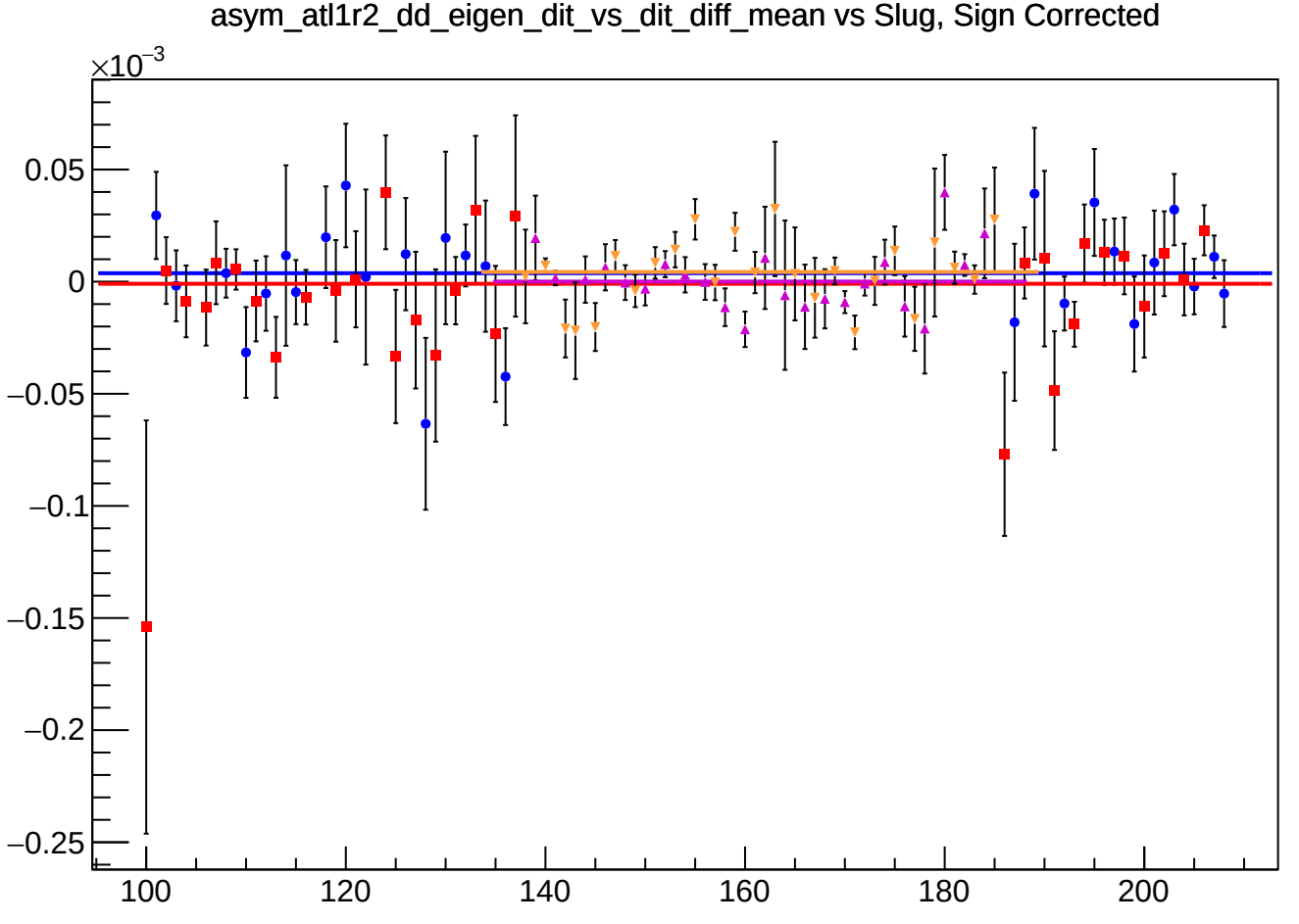
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 175.761+/-0.024 χ^2/NDF: 8451964.9/57

In: 213.899+/-0.028 χ^2/NDF:6502891.6/49

Out: 196.864+/-0.026 χ^2/NDF:11872592.3/55

All: 204.903+/-0.019 χ^2/NDF: 18571795.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/30

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

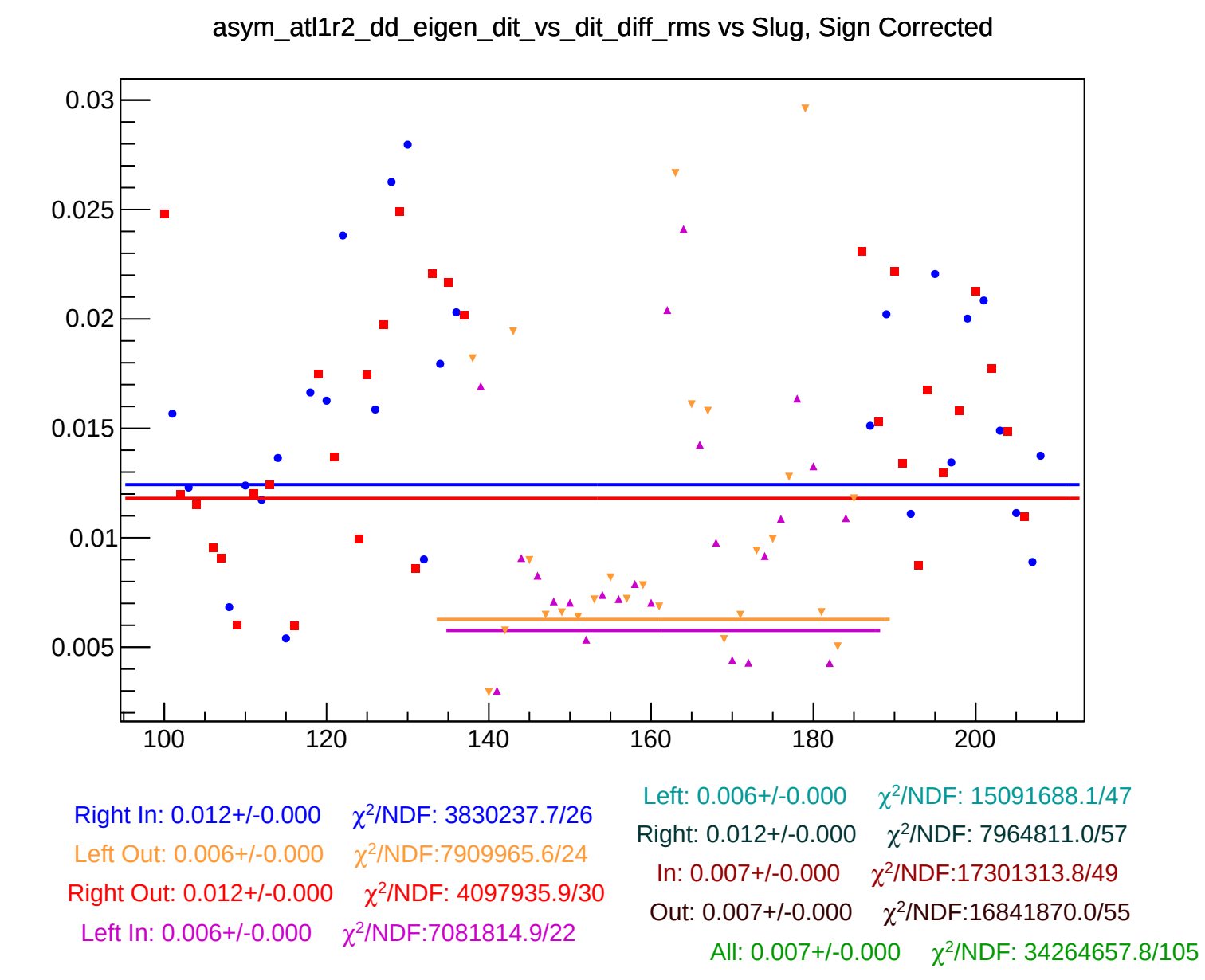
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.2/57

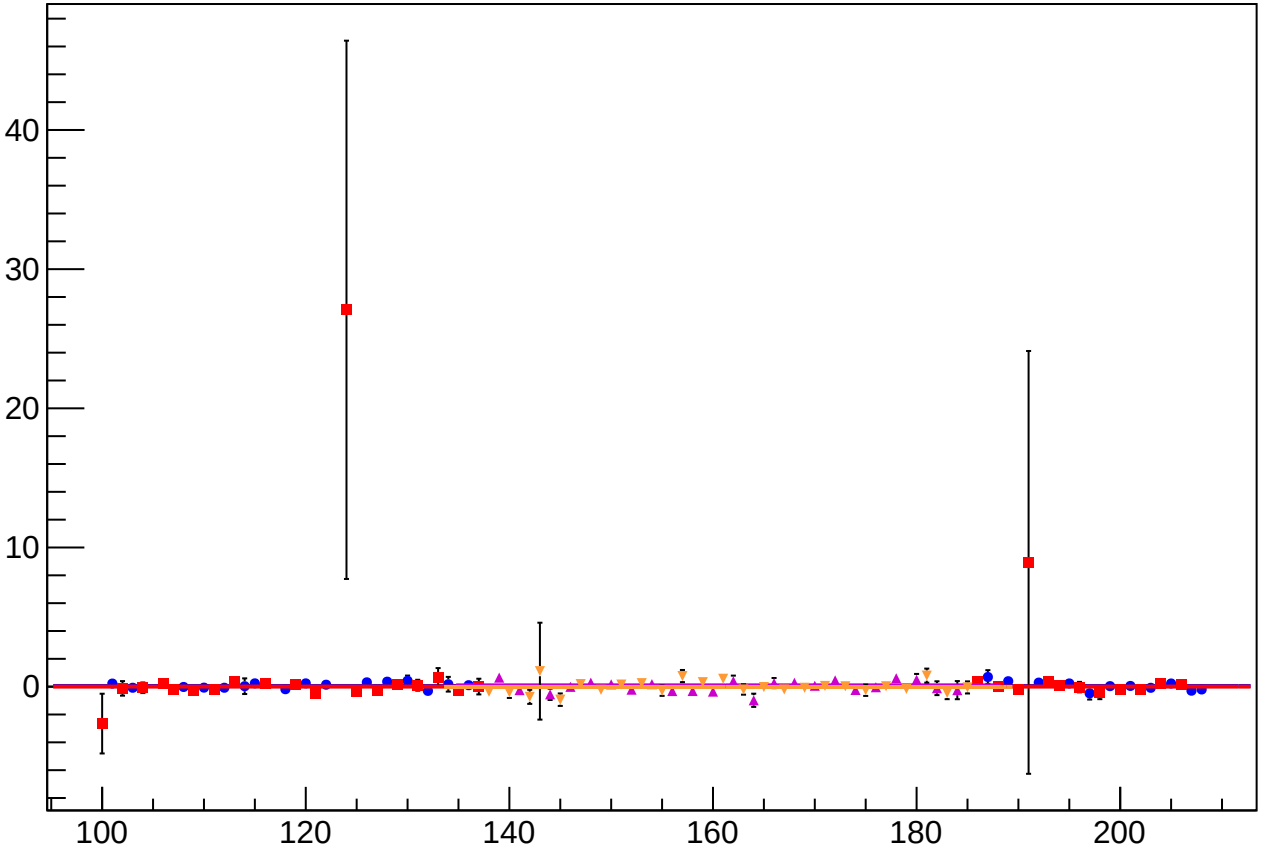
In: 0.000+/-0.000 χ^2/NDF:57.3/49

Out: 0.000+/-0.000 χ^2/NDF:82.2/55

All: 0.000+/-0.000 χ^2/NDF: 140.9/105


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.012+/-0.000 χ²/NDF: 3830237.7/26
Left Out: 0.006+/-0.000 χ²/NDF:7909965.6/24
Right Out: 0.012+/-0.000 χ²/NDF: 4097935.9/30
Left In: 0.006+/-0.000 χ²/NDF:7081814.9/22
Left: 0.006+/-0.000 χ²/NDF: 15091688.1/47
Right: 0.012+/-0.000 χ²/NDF: 7964811.0/57
In: 0.007+/-0.000 χ²/NDF:17301313.8/49
Out: 0.007+/-0.000 χ²/NDF:16841870.0/55
All: 0.007+/-0.000 χ²/NDF: 34264657.8/105

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

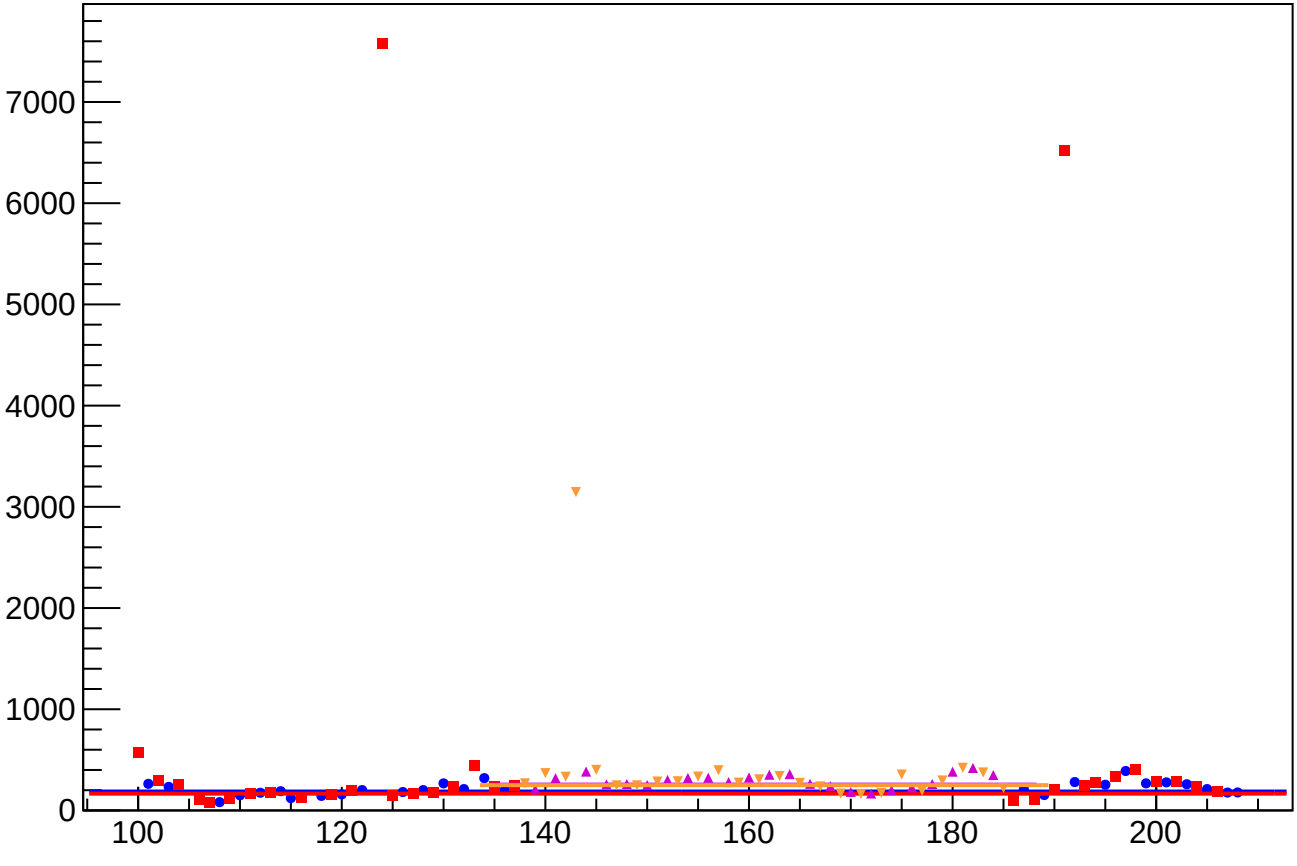
Right: 0.024+/-0.034 χ^2/NDF: 49.7/57

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.028+/-0.027 χ^2/NDF: 106.6/105

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

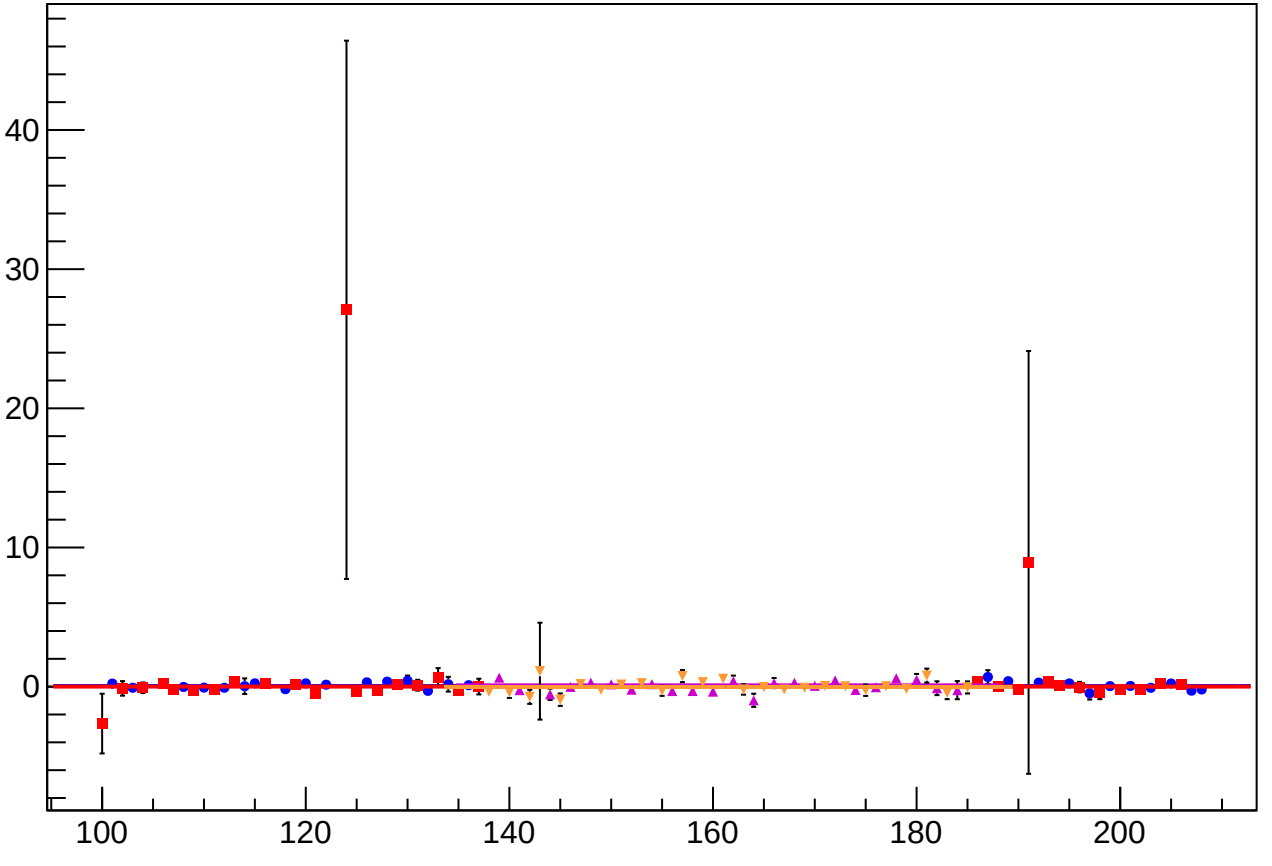
Right: 175.762+/-0.024 χ^2/NDF: 8451851.0/57

In: 213.899+/-0.028 χ^2/NDF:6503136.4/49

Out: 196.866+/-0.026 χ^2/NDF:11872482.5/55

All: 204.904+/-0.019 χ^2/NDF: 18571868.4/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

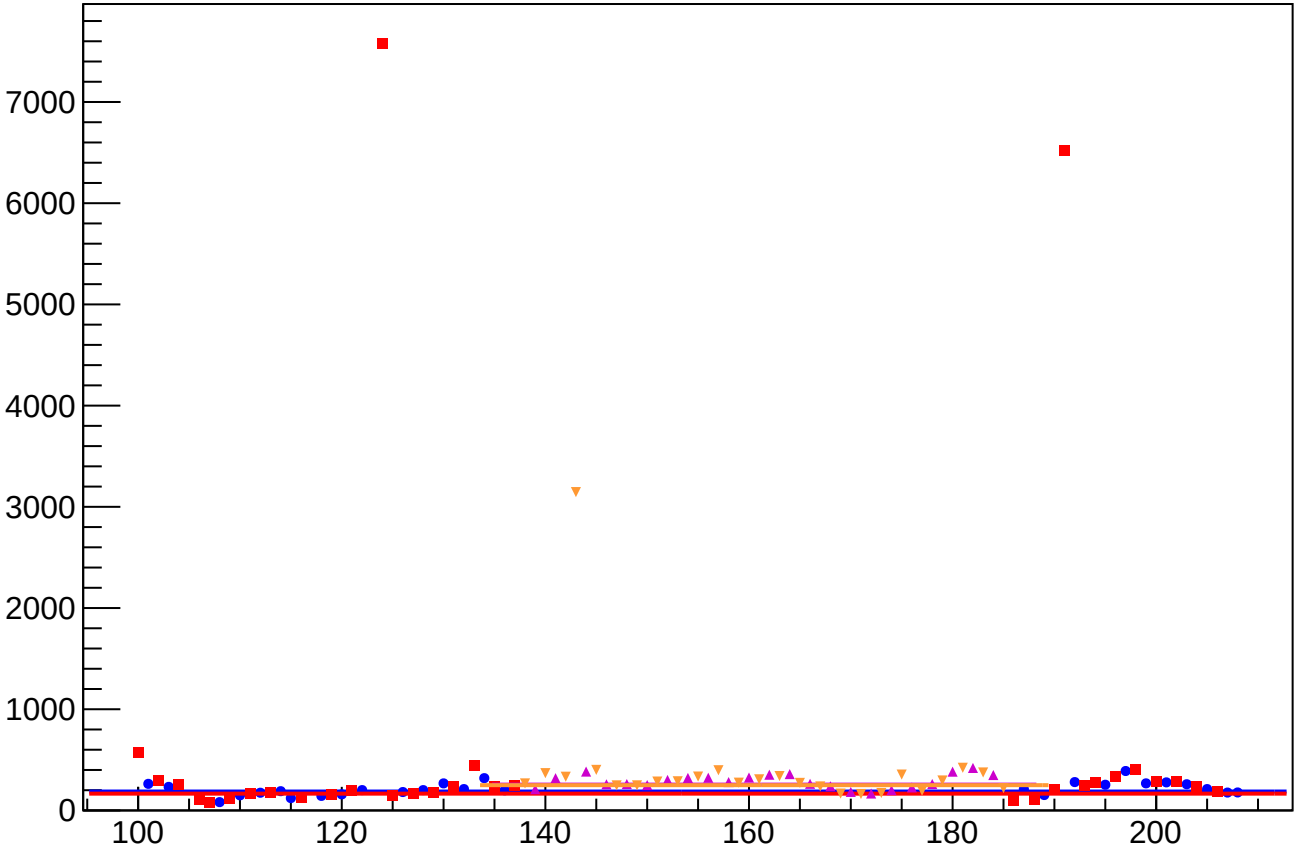
Right: 0.024+/-0.034 χ^2/NDF: 49.7/57

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.028+/-0.027 χ^2/NDF: 106.6/105

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

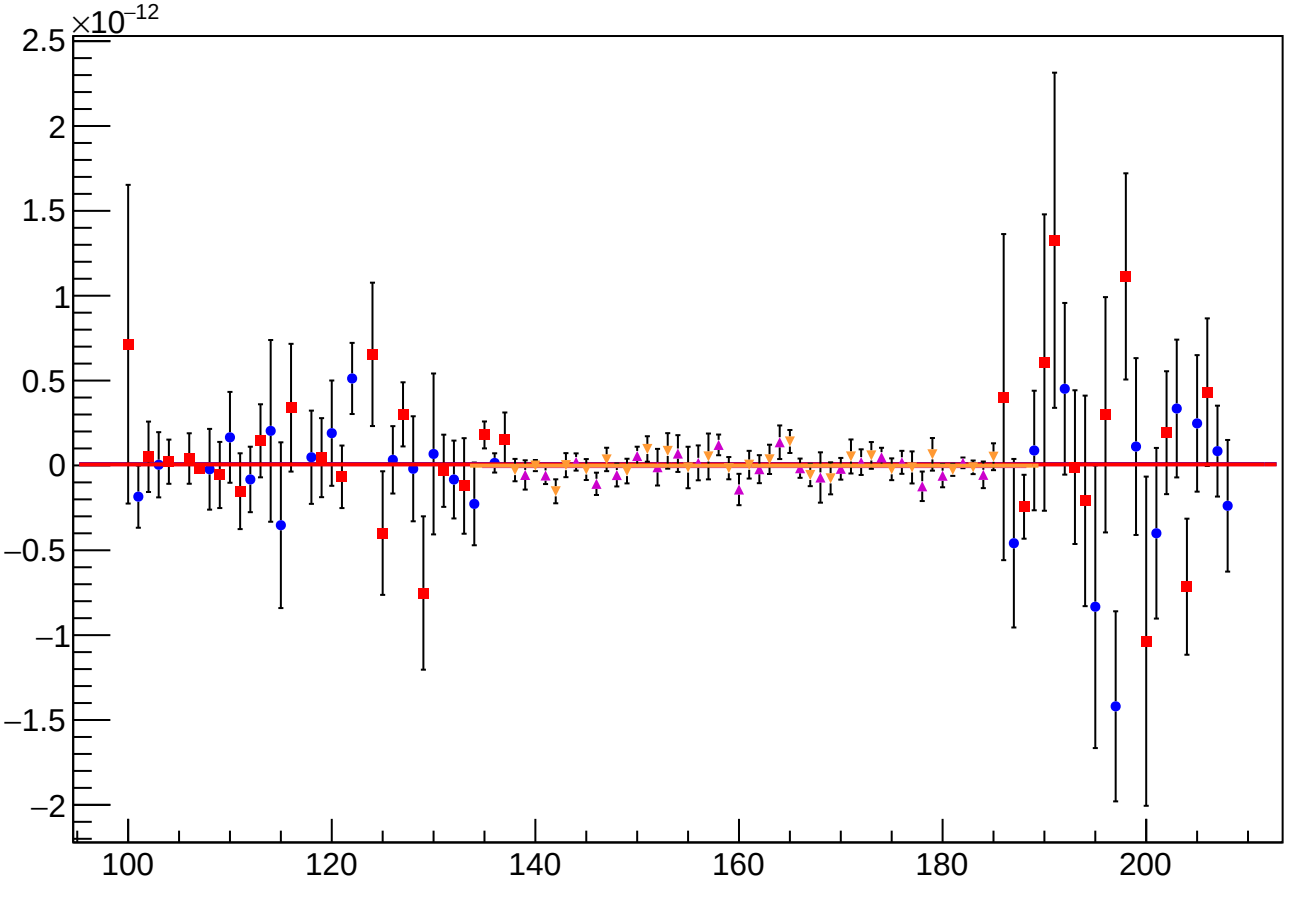
Right: 175.762+/-0.024 χ^2/NDF: 8451851.0/57

In: 213.899+/-0.028 χ^2/NDF:6503136.4/49

Out: 196.866+/-0.026 χ^2/NDF:11872482.5/55

All: 204.904+/-0.019 χ^2/NDF: 18571868.4/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/30

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

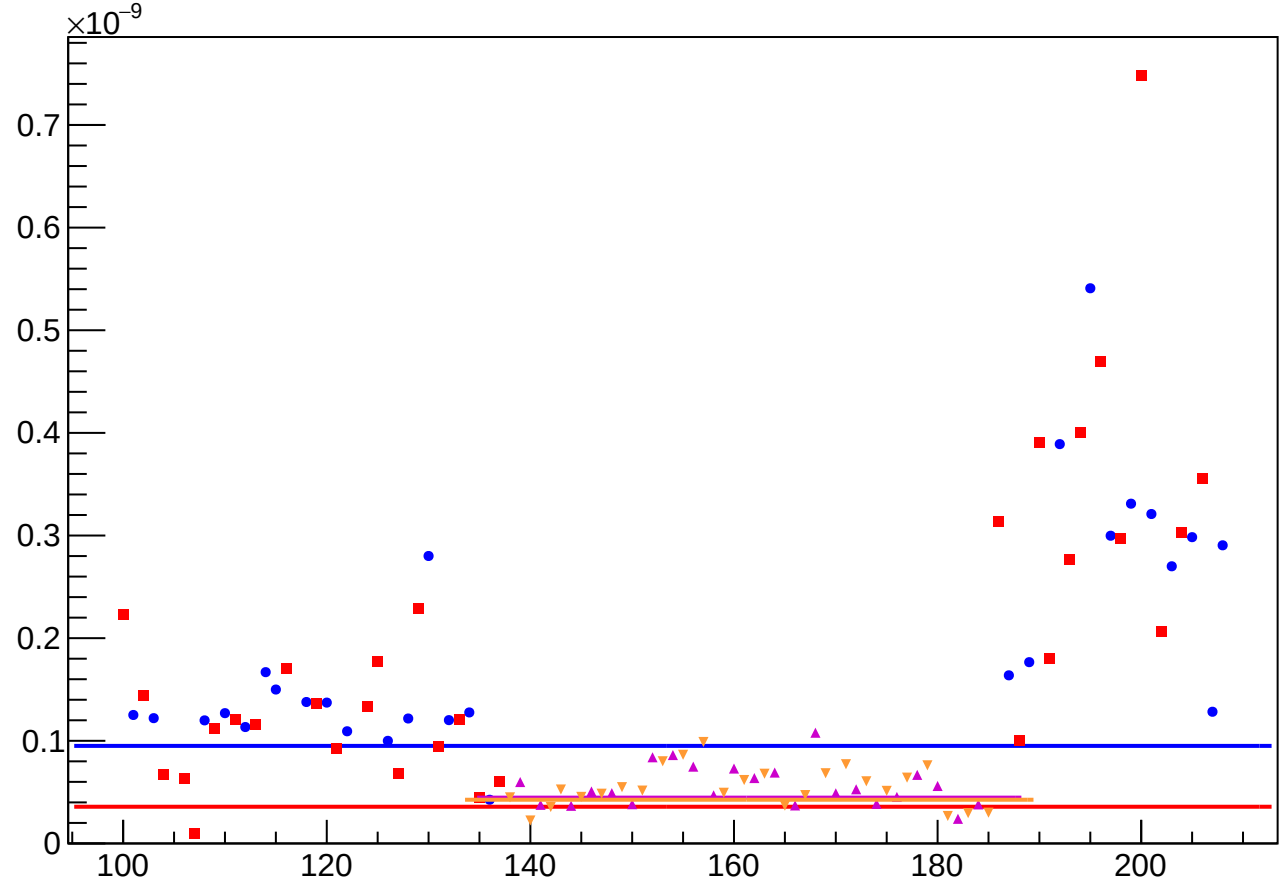
Right: 0.000+/-0.000 χ^2/NDF: 52.8/57

In: -0.000+/-0.000 χ^2/NDF:41.0/49

Out: 0.000+/-0.000 χ^2/NDF:48.2/55

All: -0.000+/-0.000 χ^2/NDF: 89.3/105

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6306684.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12316985.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

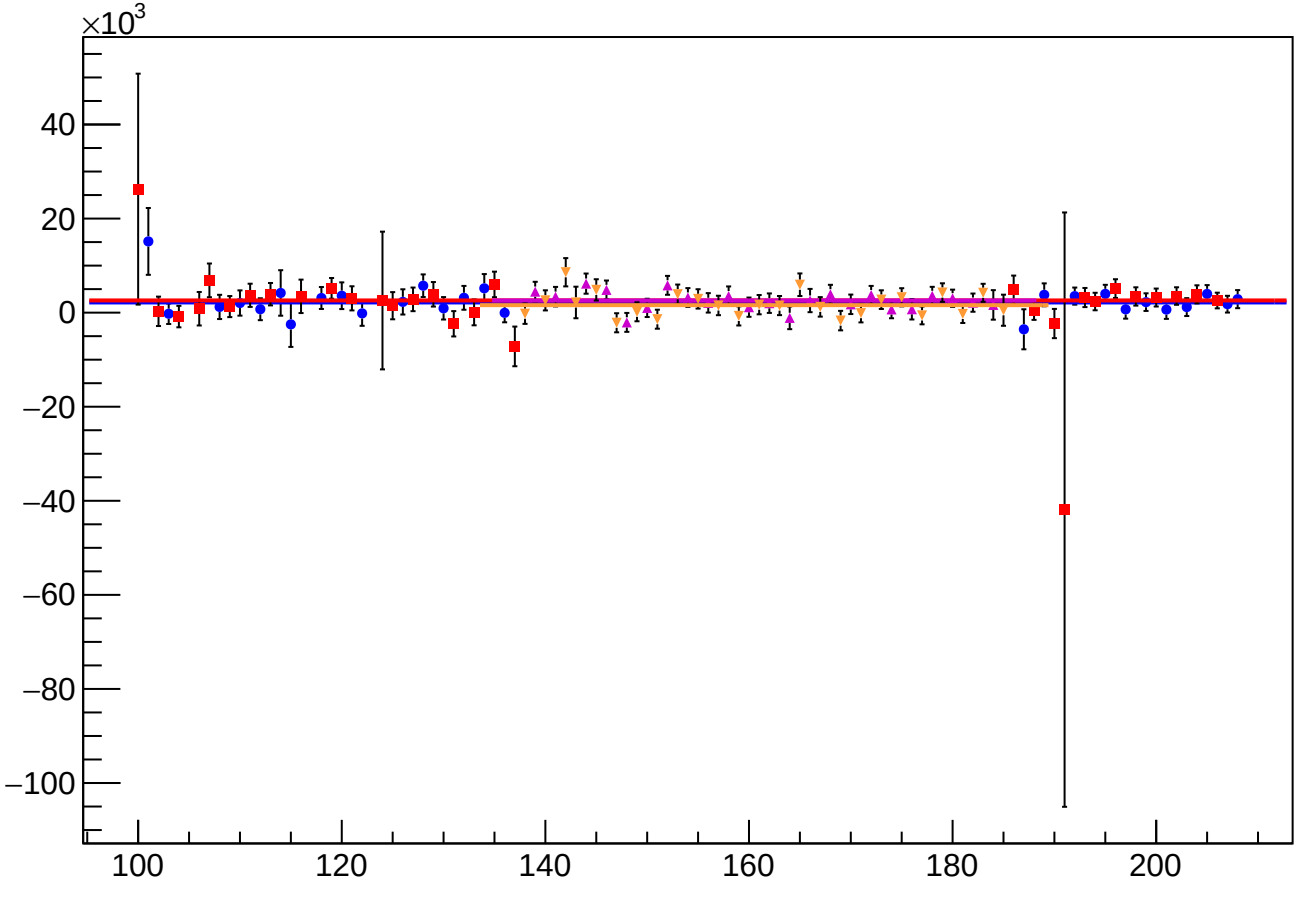
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21924465.7/57

In: 0.000+/-0.000 χ^2/NDF:11995055.4/49

Out: 0.000+/-0.000 χ^2/NDF:16103150.7/55

All: 0.000+/-0.000 χ^2/NDF: 28639560.5/105



Right In: 2167.282+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2596.825+/-445.460 χ^2/NDF: 26.8/30

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

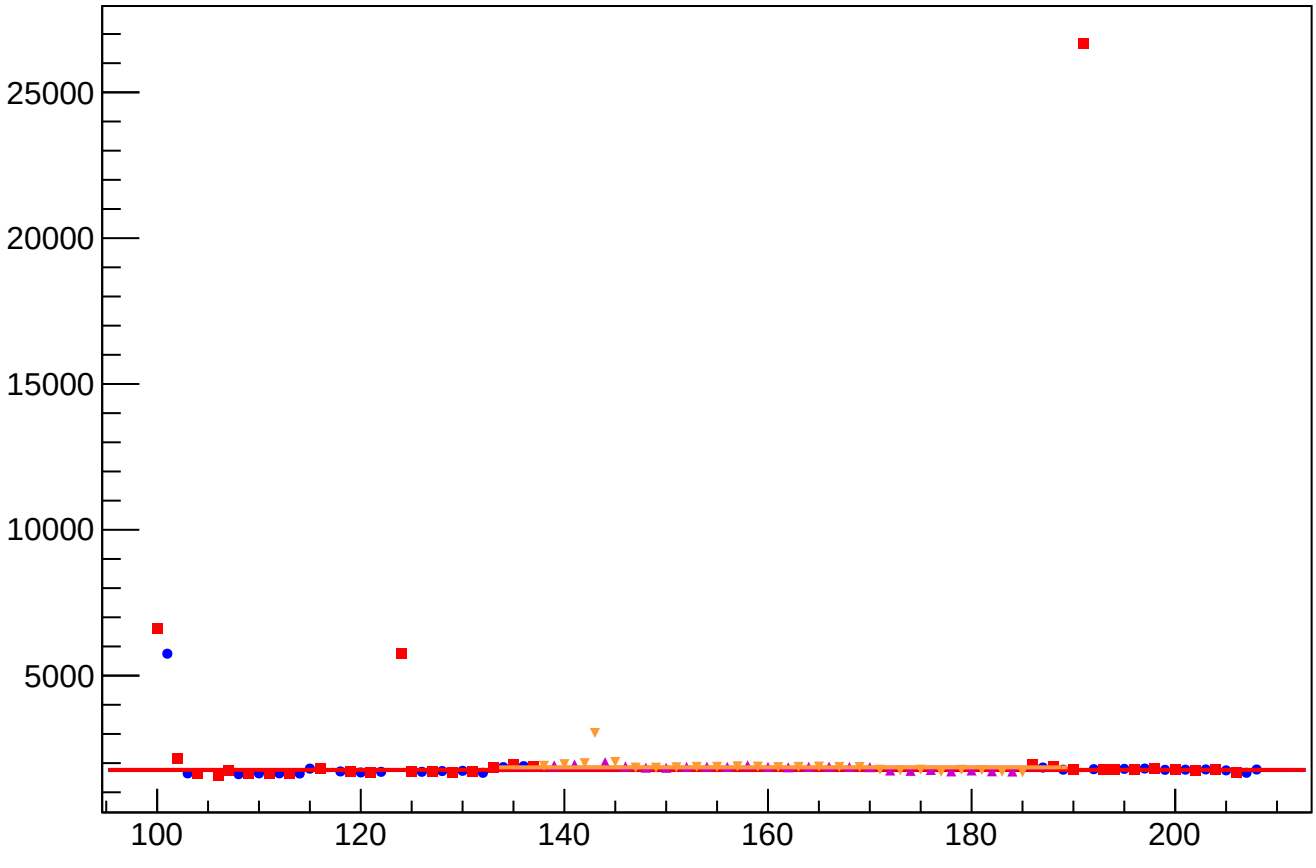
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2383.237+/-315.854 χ^2/NDF: 45.7/57

In: 2391.148+/-310.308 χ^2/NDF:39.0/49

Out: 2069.041+/-306.853 χ^2/NDF:60.7/55

All: 2228.291+/-218.189 χ^2/NDF: 100.3/105



Right In: 1762.275+/-0.317 χ^2/NDF: 680903.7/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1768.411+/-0.314 χ^2/NDF: 646084.6/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

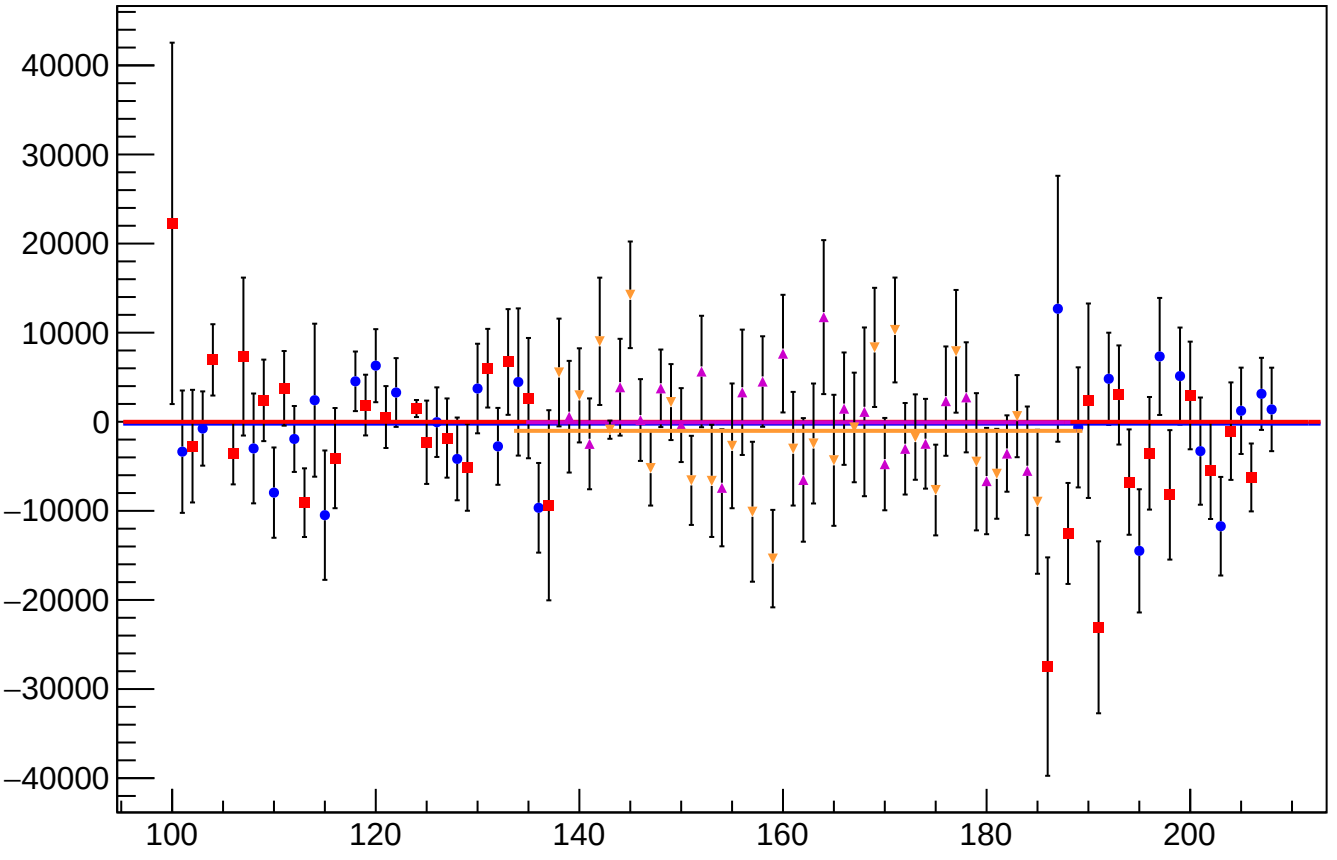
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1765.370+/-0.223 χ^2/NDF: 1327177.6/57

In: 1803.207+/-0.219 χ^2/NDF:784004.0/49

Out: 1814.059+/-0.217 χ^2/NDF:1010722.1/55

All: 1808.702+/-0.154 χ^2/NDF: 1795964.6/10



Right In: -210.453+/-963.984 χ^2/NDF: 29.7/26

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -5.186+/-670.670 χ^2/NDF: 44.4/30

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

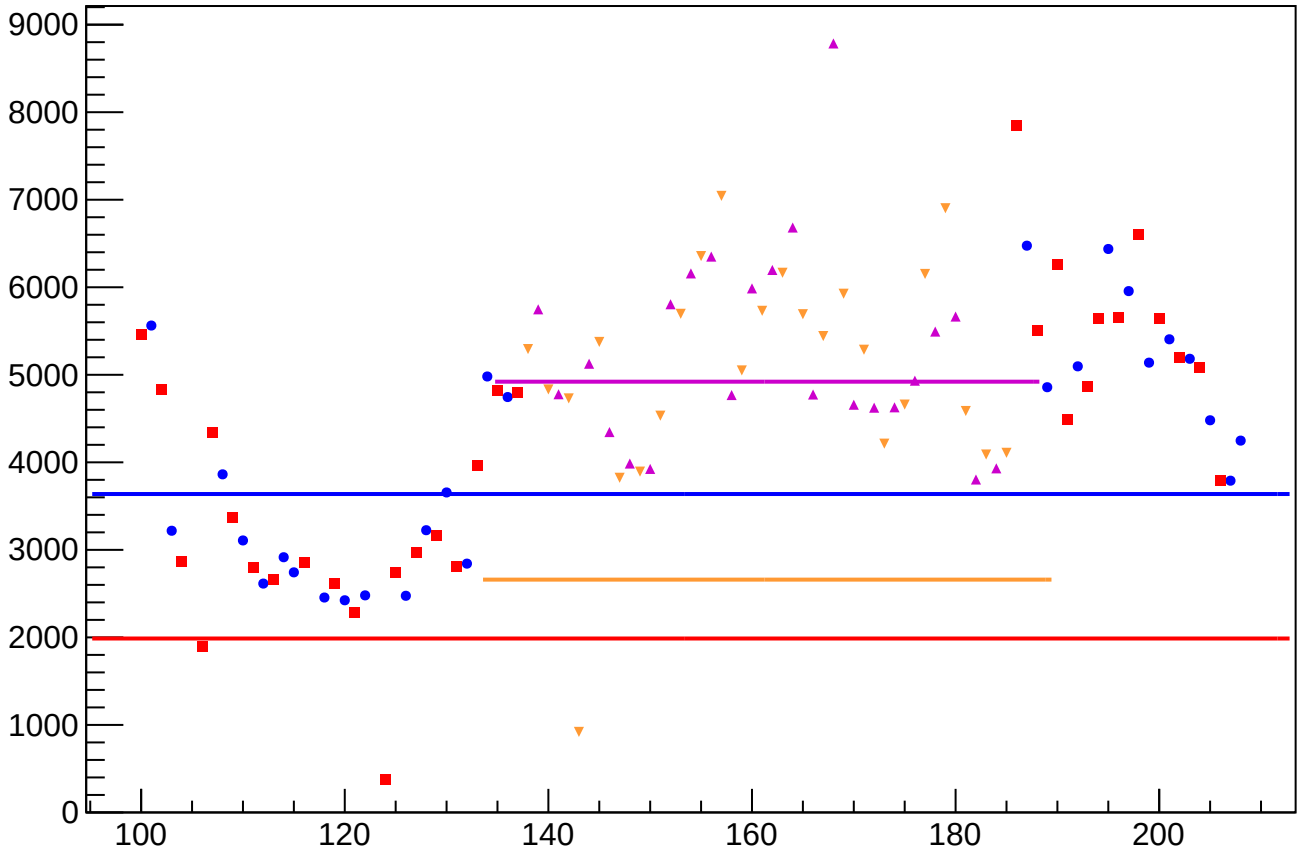
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: -72.136+/-550.537 χ^2/NDF: 74.1/57

In: -150.784+/-744.866 χ^2/NDF:42.7/49

Out: -441.293+/-506.245 χ^2/NDF:79.1/55

All: -349.502+/-418.697 χ^2/NDF: 122.0/105



Right In: 3637.912+/-0.682 χ^2/NDF: 2866763.6/26

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1987.256+/-0.474 χ^2/NDF: 14848791.0/30

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

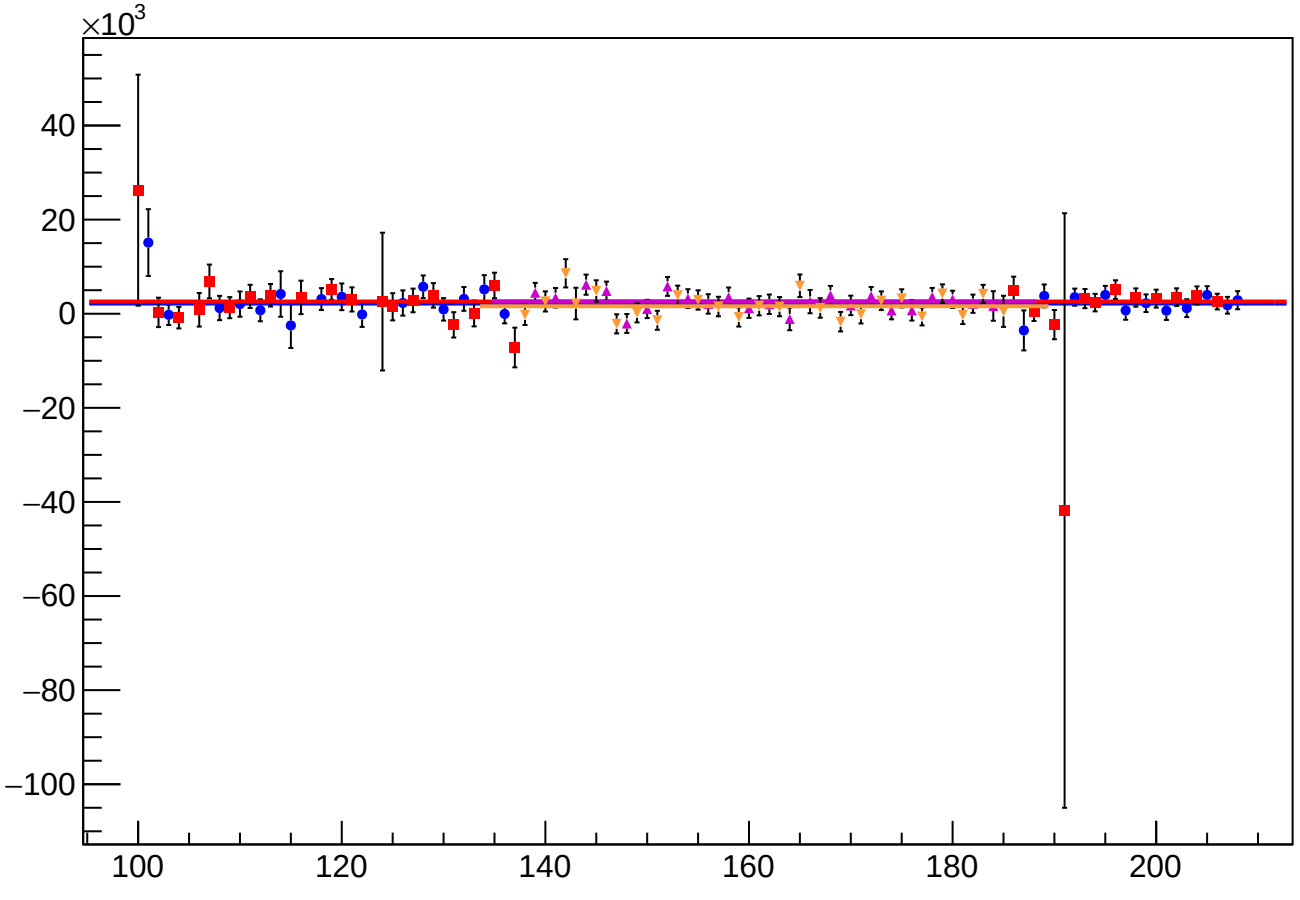
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2525.638+/-0.389 χ^2/NDF: 21667025.3/57

In: 4155.050+/-0.527 χ^2/NDF:5546324.1/49

Out: 2276.691+/-0.358 χ^2/NDF:30250666.8/55

All: 2870.191+/-0.296 χ^2/NDF: 44496763.2/



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2596.833+/-445.460 χ^2/NDF: 26.8/30

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

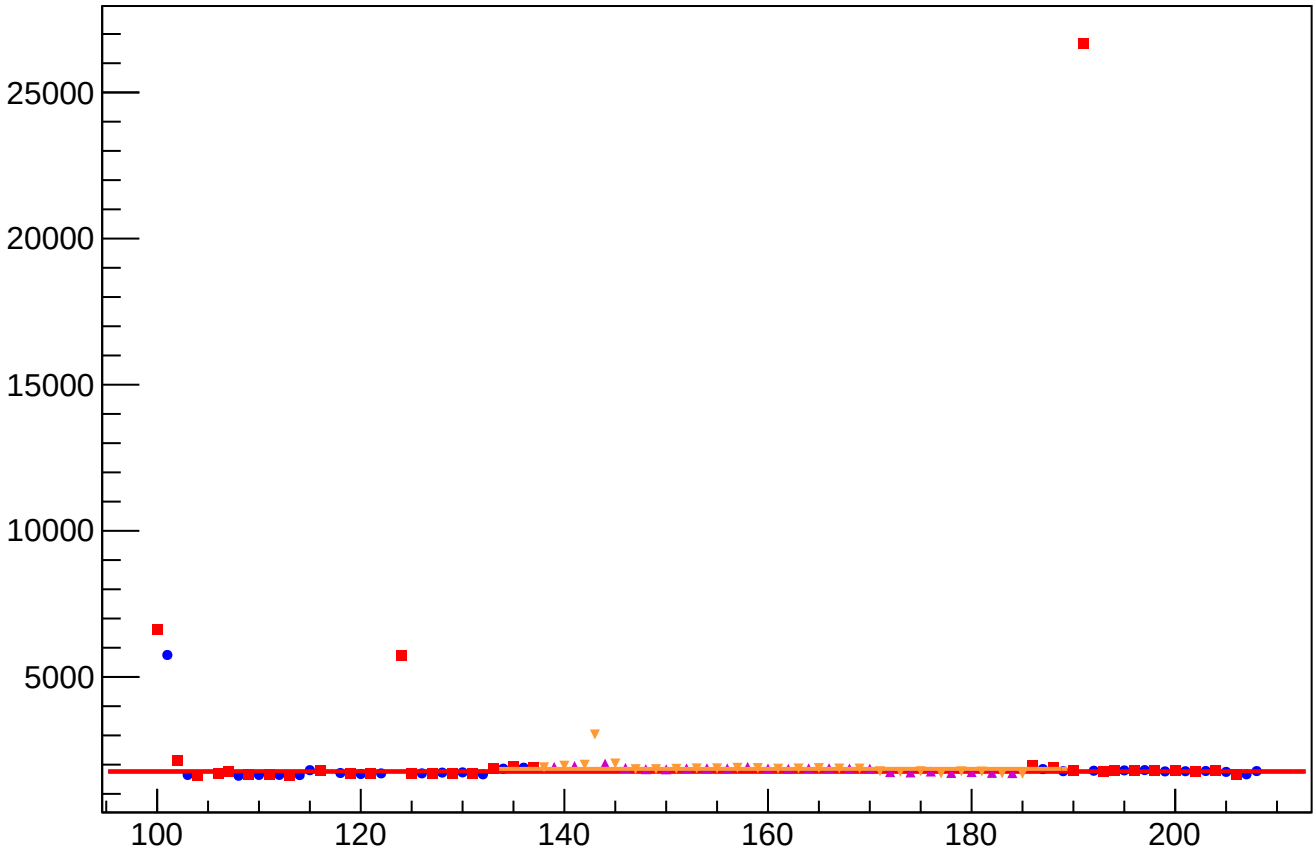
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2383.153+/-315.854 χ^2/NDF: 45.7/57

In: 2391.101+/-310.308 χ^2/NDF:39.0/49

Out: 2069.027+/-306.853 χ^2/NDF:60.7/55

All: 2228.261+/-218.189 χ^2/NDF: 100.3/105



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

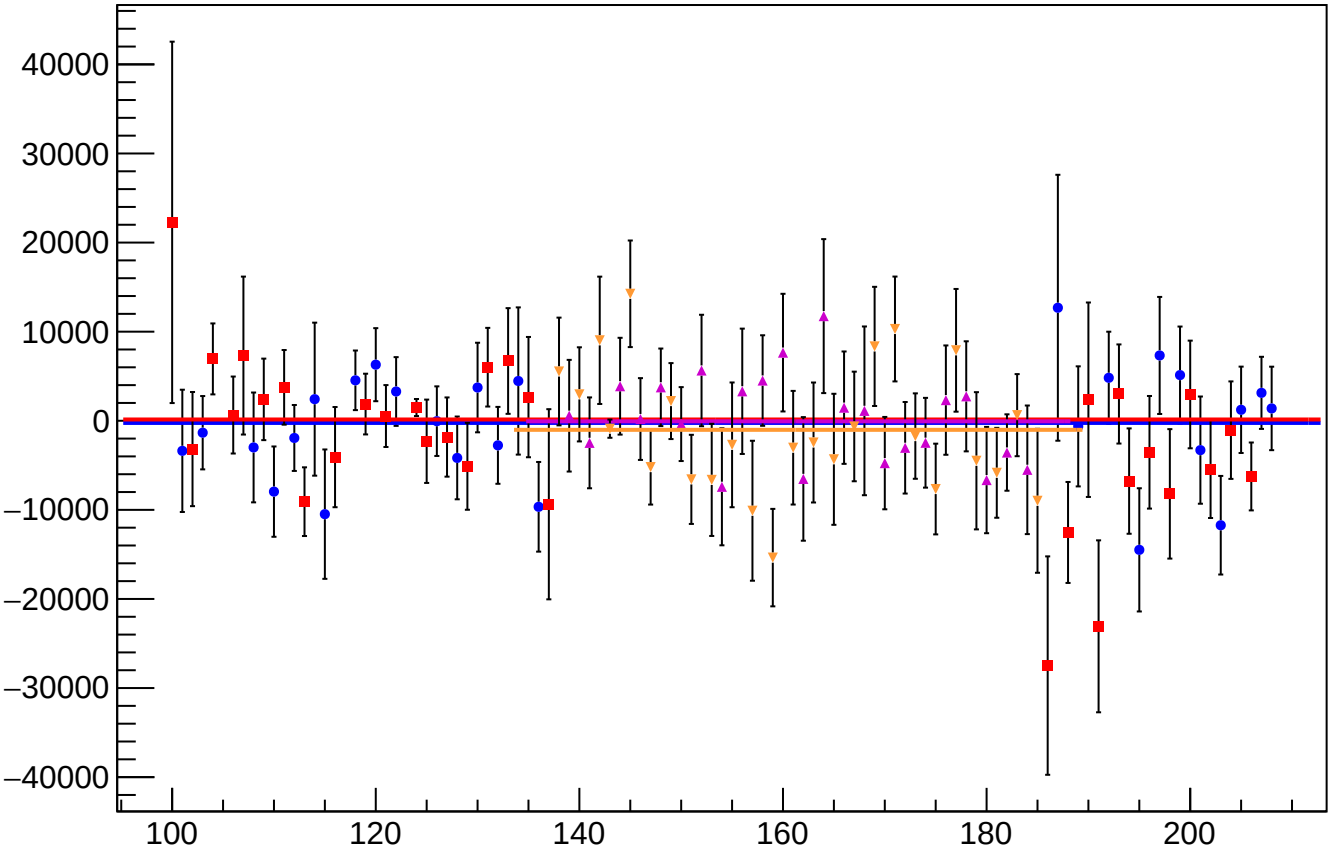
Right: 1766.980+/-0.223 χ^2/NDF: 1319048.1/57

In: 1803.207+/-0.219 χ^2/NDF:784004.4/49

Out: 1815.656+/-0.217 χ^2/NDF:999360.6/55

All: 1809.507+/-0.154 χ^2/NDF: 1784993.8/10

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 143.452+/-675.177 χ^2/NDF: 43.4/30

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

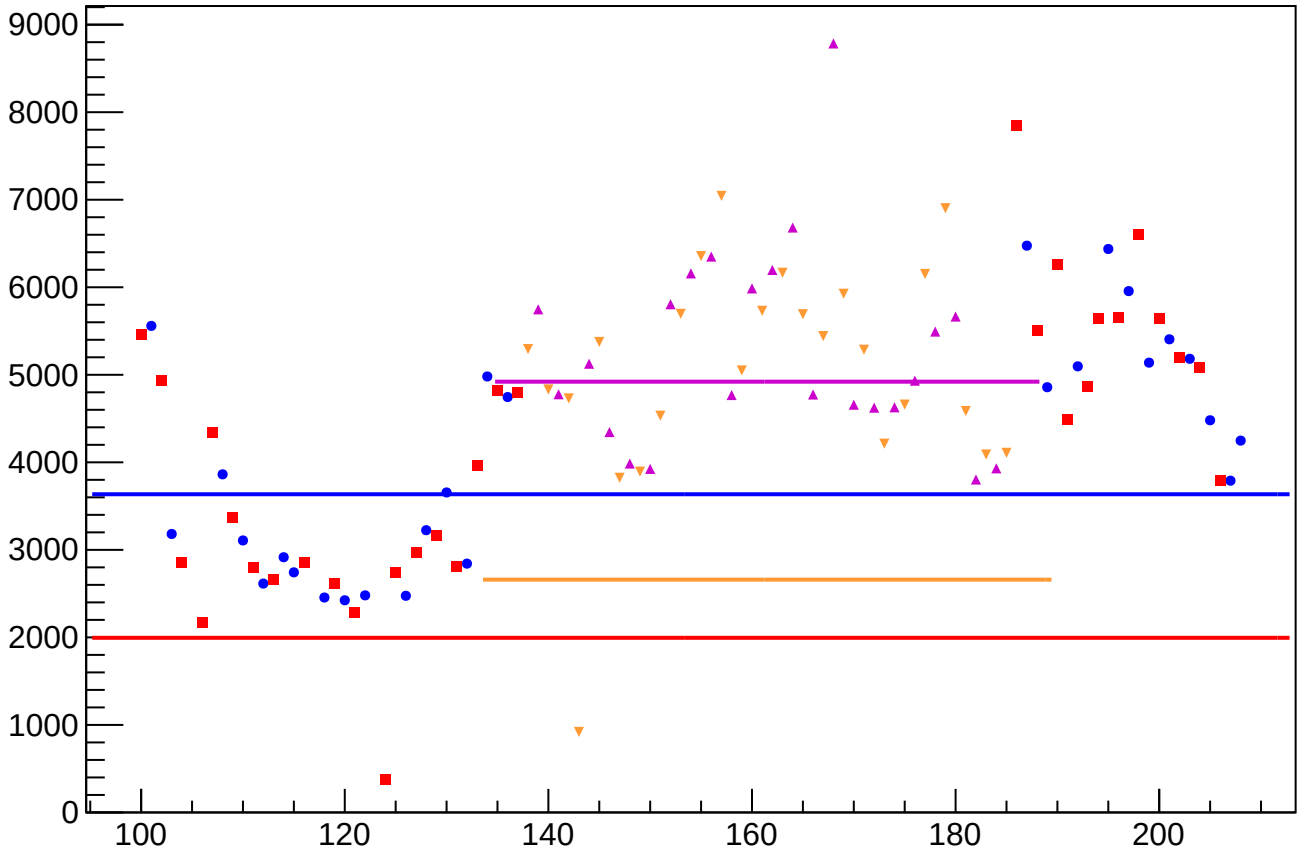
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 15.955+/-552.896 χ^2/NDF: 73.3/57

In: -170.592+/-744.557 χ^2/NDF:42.8/49

Out: -360.371+/-508.171 χ^2/NDF:78.4/55

All: -300.061+/-419.728 χ^2/NDF: 121.3/105



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

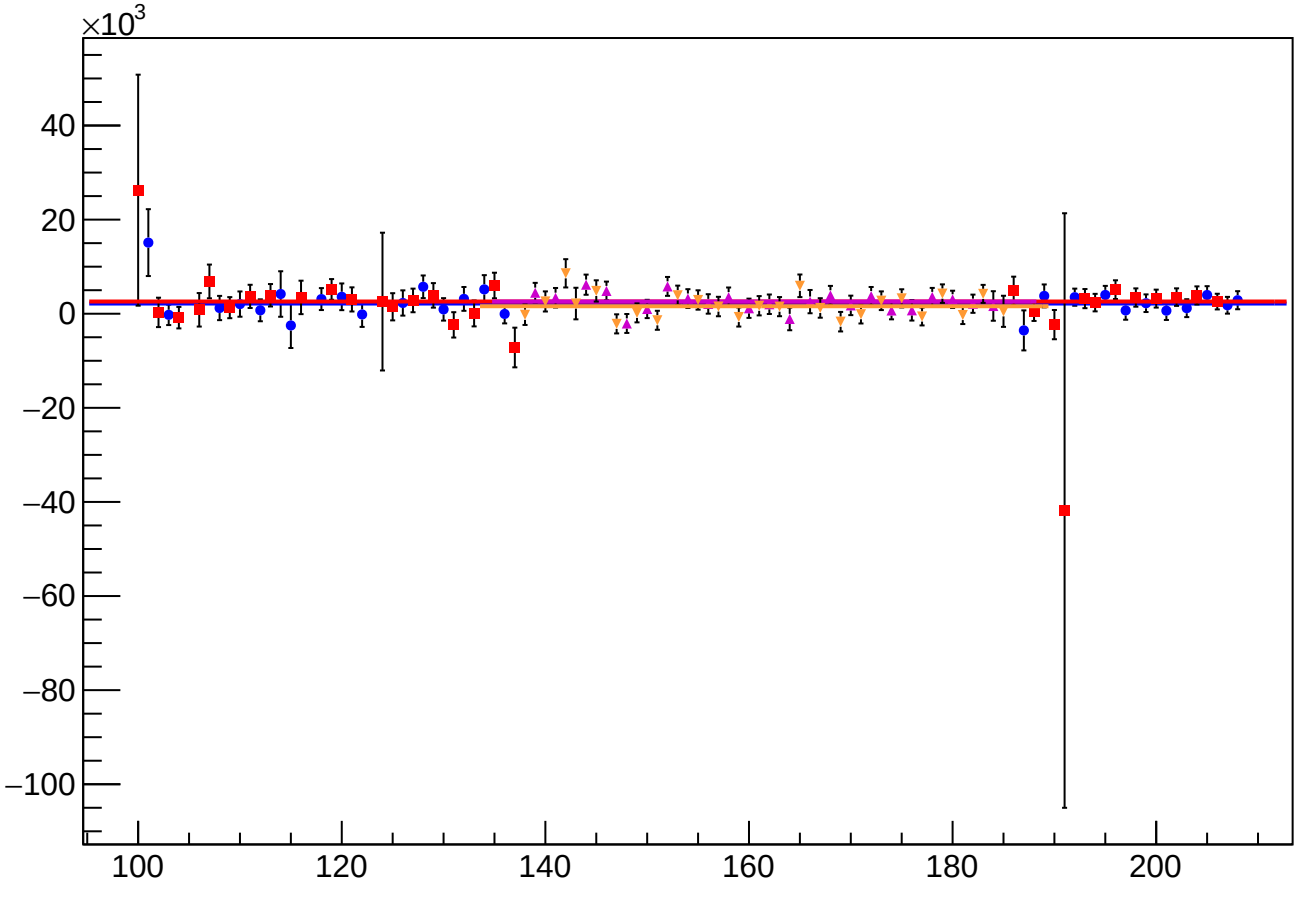
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2535.599+/-0.391 χ^2/NDF: 21623620.4/57

In: 4153.064+/-0.526 χ^2/NDF:5556812.8/49

Out: 2283.463+/-0.359 χ^2/NDF:30242884.9/55

All: 2877.604+/-0.297 χ^2/NDF: 44402688.4/1



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2596.833+/-445.460 χ^2/NDF: 26.8/30

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

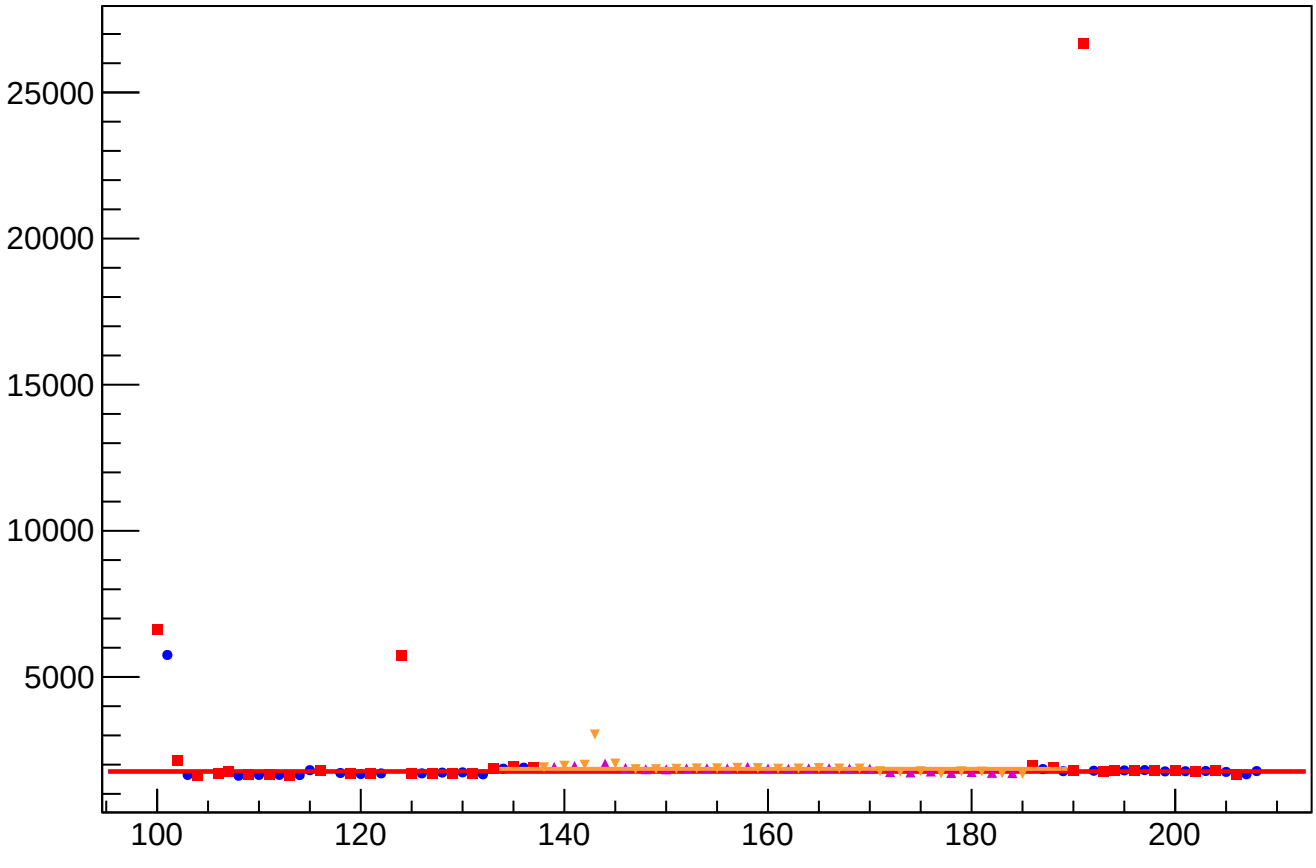
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2383.153+/-315.854 χ^2/NDF: 45.7/57

In: 2391.101+/-310.308 χ^2/NDF:39.0/49

Out: 2069.027+/-306.853 χ^2/NDF:60.7/55

All: 2228.261+/-218.189 χ^2/NDF: 100.3/105



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

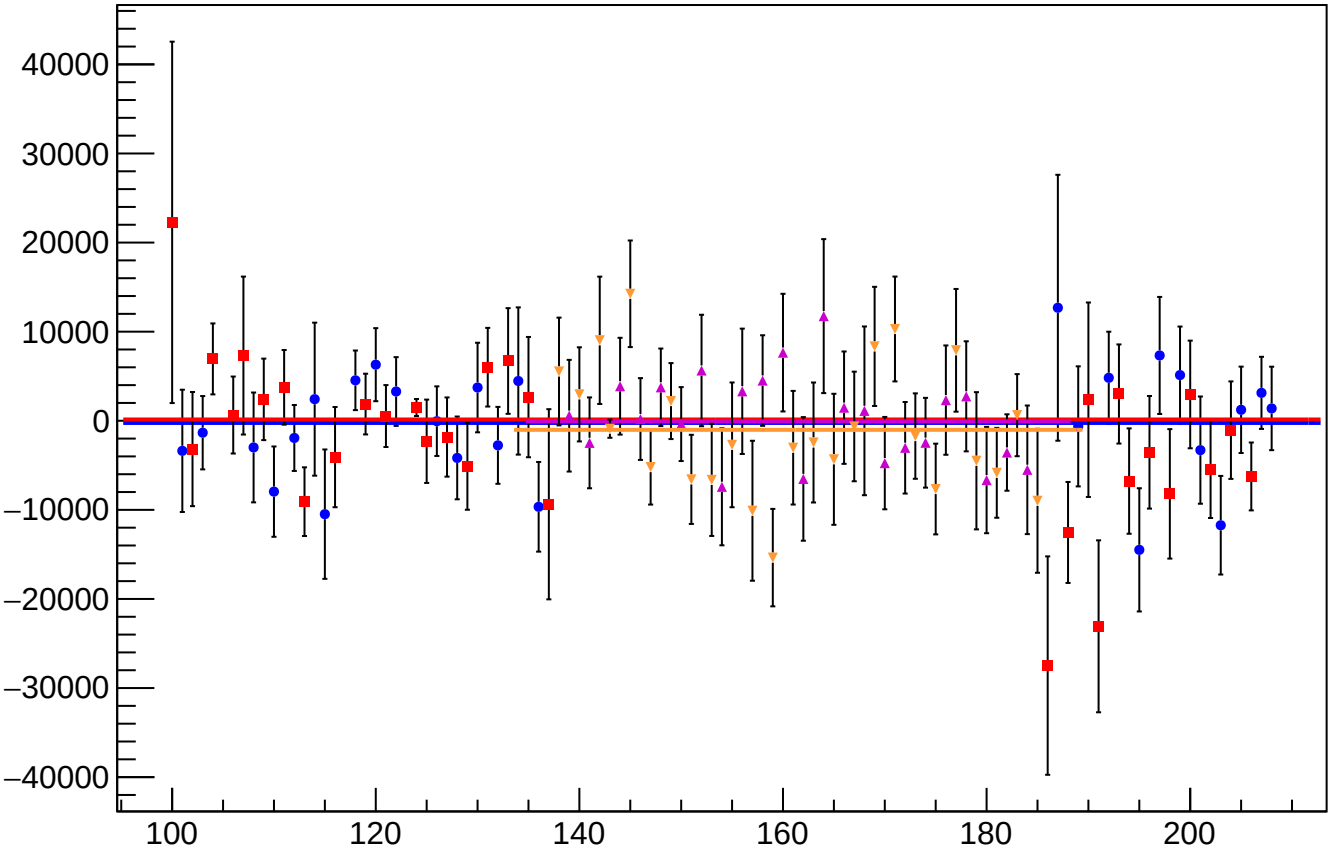
Right: 1766.980+/-0.223 χ^2/NDF: 1319048.1/57

In: 1803.207+/-0.219 χ^2/NDF:784004.4/49

Out: 1815.656+/-0.217 χ^2/NDF:999360.6/55

All: 1809.507+/-0.154 χ^2/NDF: 1784993.8/10

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 143.452+/-675.177 χ^2/NDF: 43.4/30

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

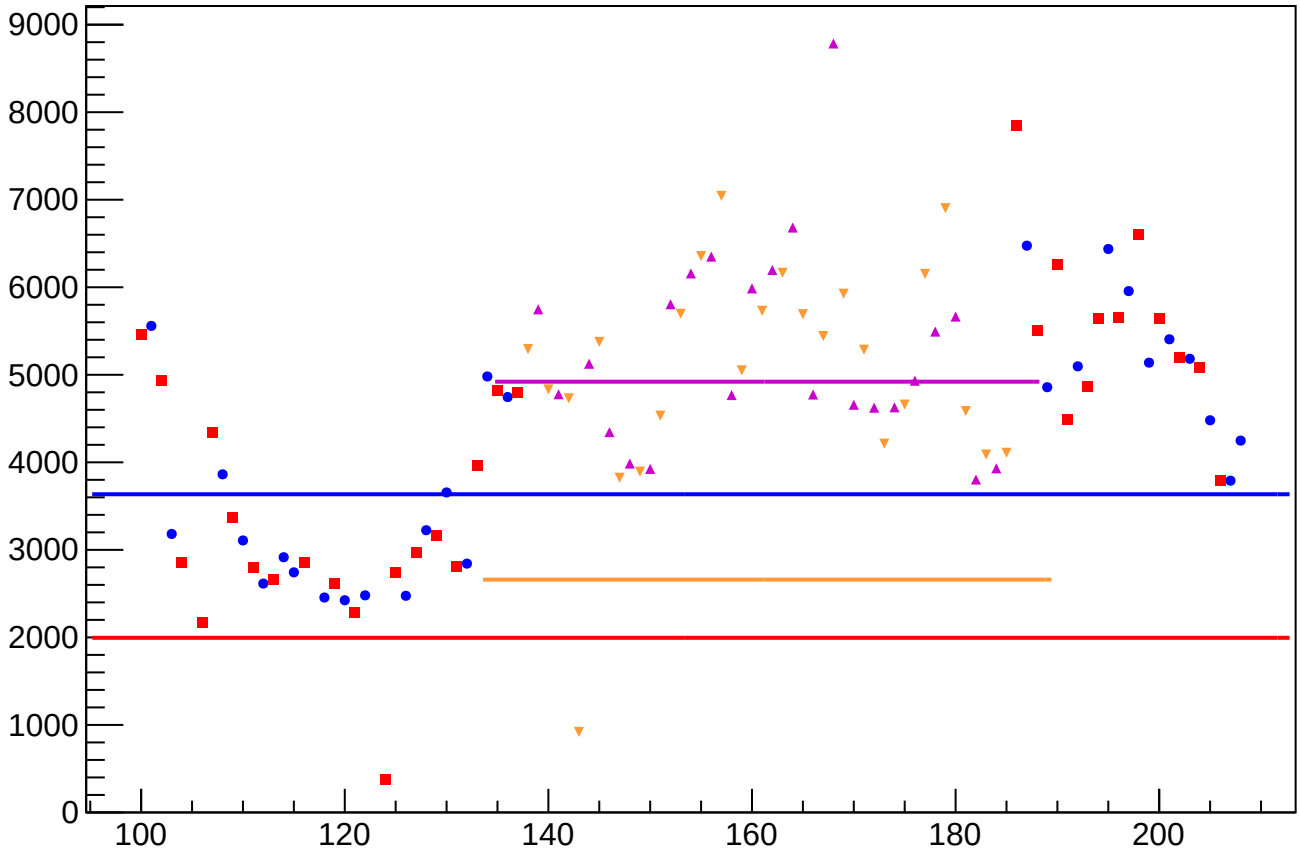
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 15.955+/-552.896 χ^2/NDF: 73.3/57

In: -170.592+/-744.557 χ^2/NDF:42.8/49

Out: -360.371+/-508.171 χ^2/NDF:78.4/55

All: -300.061+/-419.728 χ^2/NDF: 121.3/105



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

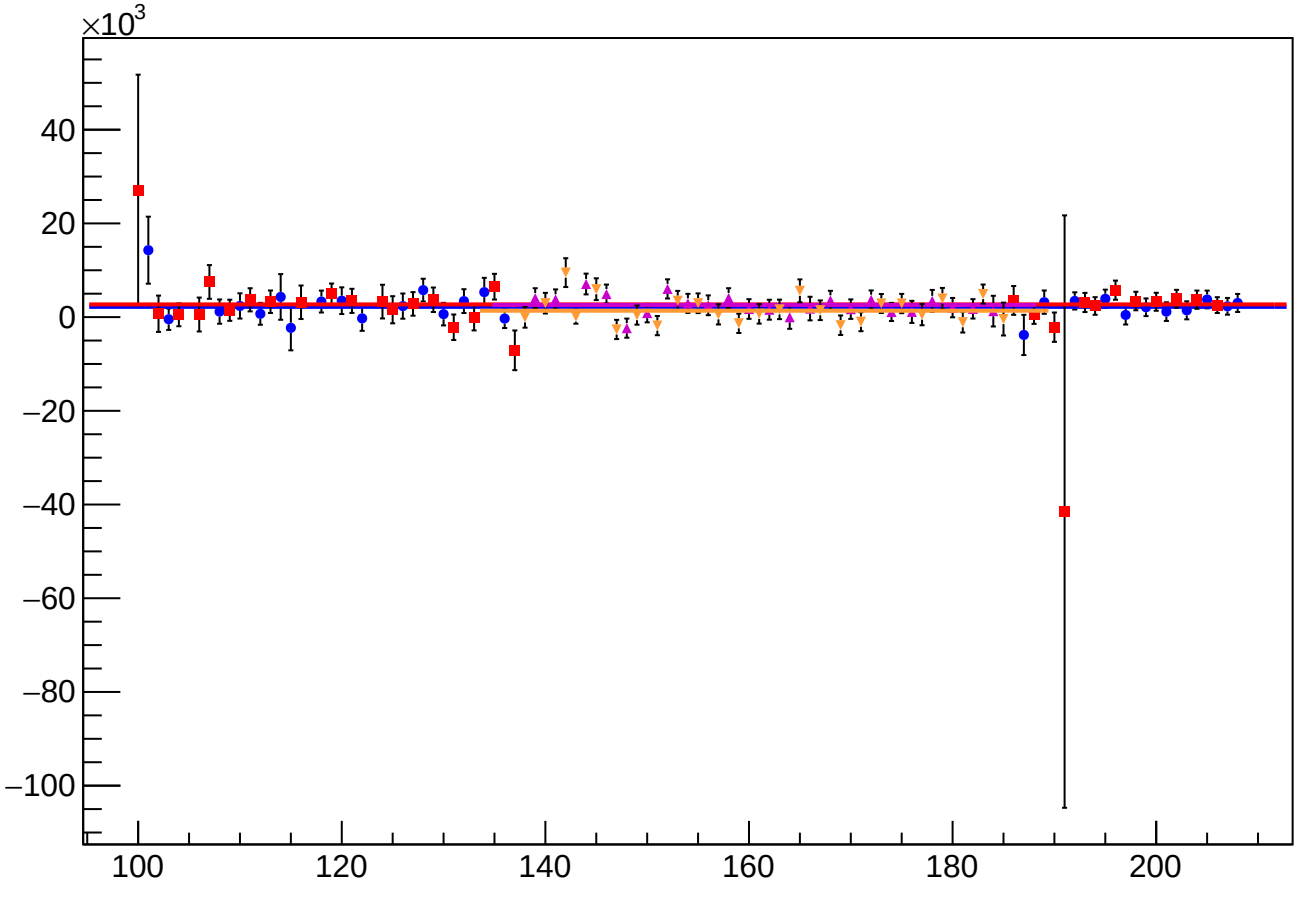
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2535.599+/-0.391 χ^2/NDF: 21623620.4/57

In: 4153.064+/-0.526 χ^2/NDF:5556812.8/49

Out: 2283.463+/-0.359 χ^2/NDF:30242884.9/55

All: 2877.604+/-0.297 χ^2/NDF: 44402688.4/



Right In: 2188.444+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2713.395+/-448.808 χ^2/NDF: 25.1/30

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

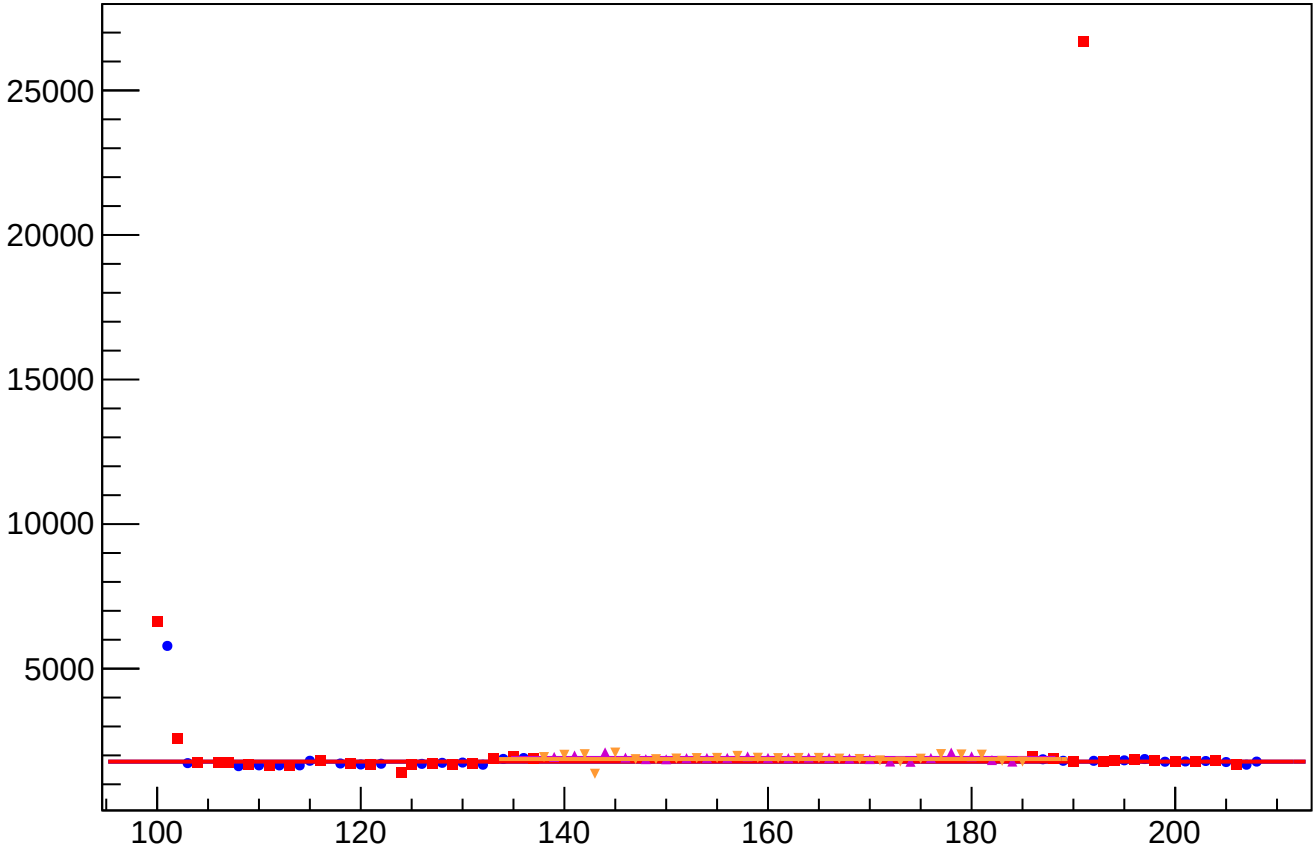
Right: 2453.229+/-318.749 χ^2/NDF: 43.7/57

In: 2398.419+/-318.006 χ^2/NDF:38.4/49

Out: 2005.582+/-309.483 χ^2/NDF:66.0/55

All: 2196.666+/-221.790 χ^2/NDF: 105.1/105

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561156.8/30

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

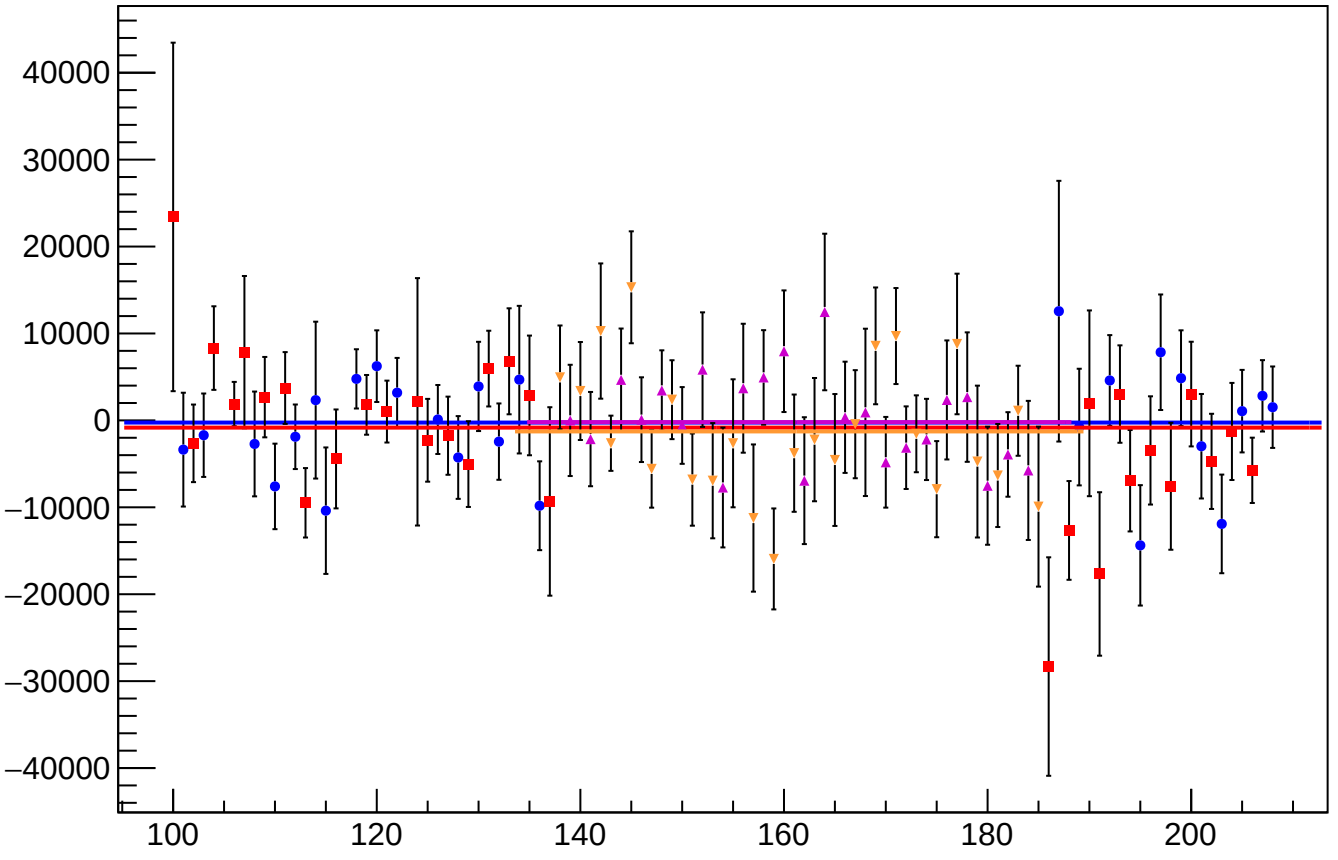
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1783.267+/-0.225 χ^2/NDF: 1243445.6/57

In: 1847.150+/-0.225 χ^2/NDF:825261.3/49

Out: 1831.367+/-0.219 χ^2/NDF:911102.8/55

All: 1839.040+/-0.157 χ^2/NDF: 1738896.0/10



Right In: -251.257+/-978.674 χ^2/NDF: 29.1/26

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -832.108+/-912.378 χ^2/NDF: 38.5/30

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

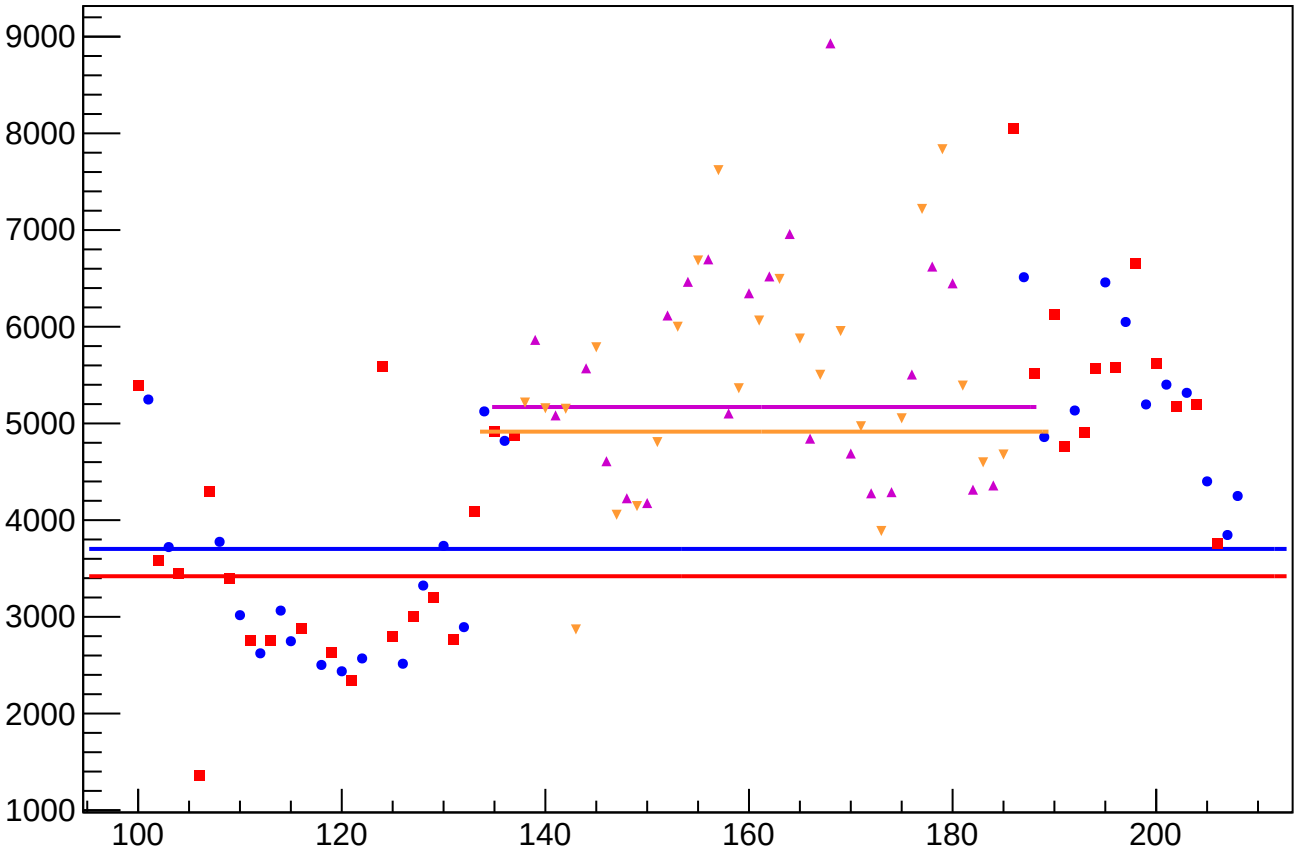
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -562.020+/-667.356 χ^2/NDF: 67.8/57

In: -230.286+/-766.922 χ^2/NDF:41.8/49

Out: -1000.067+/-716.217 χ^2/NDF:72.0/55

All: -641.463+/-523.450 χ^2/NDF: 114.4/105



Right In: 3702.347+/-0.692 χ^2/NDF: 2759821.9/26

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3419.985+/-0.645 χ^2/NDF: 4512970.6/30

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

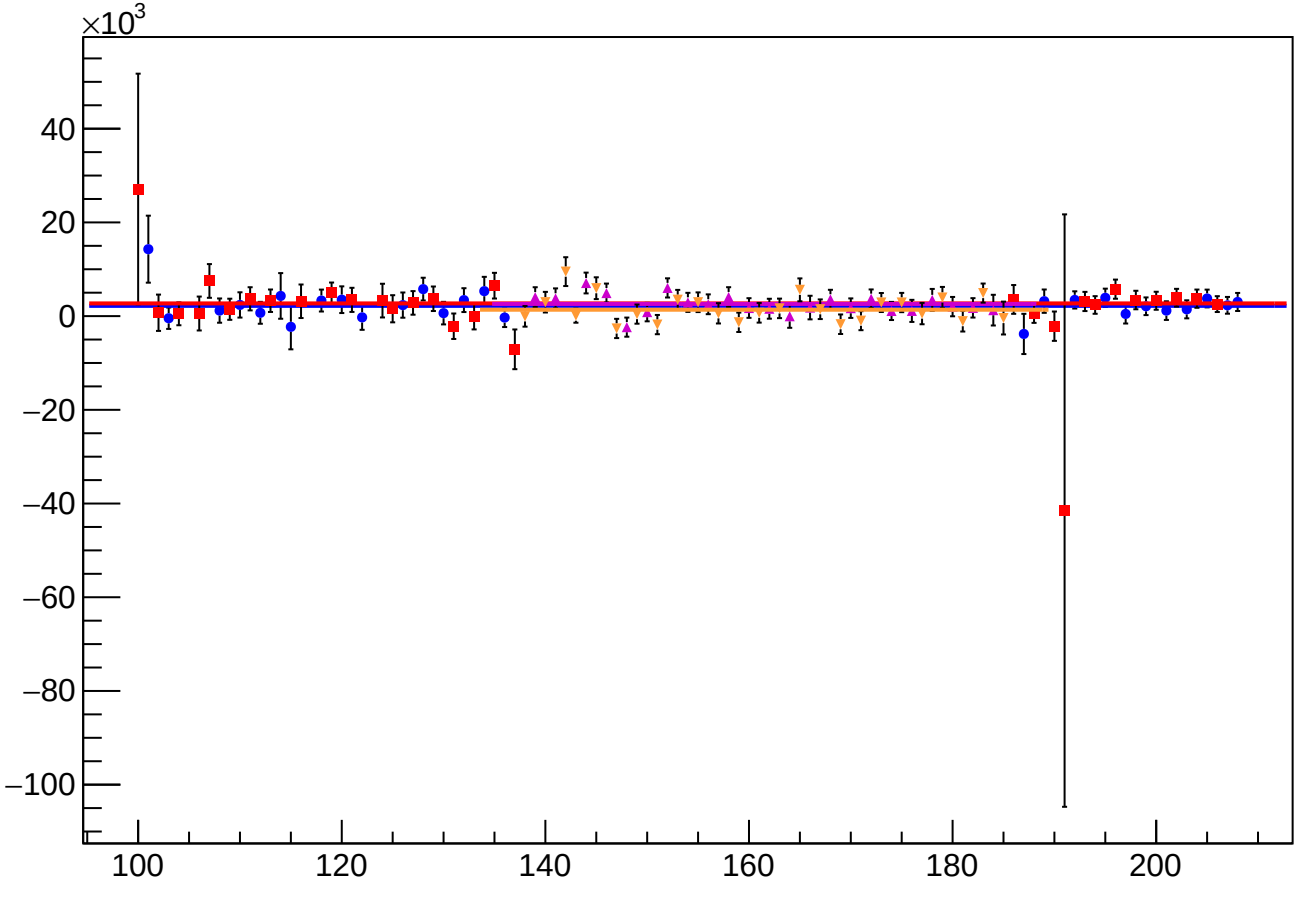
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3551.279+/-0.472 χ^2/NDF: 7361862.5/57

In: 4268.750+/-0.542 χ^2/NDF:5844379.6/49

Out: 3993.826+/-0.506 χ^2/NDF:8740724.3/55

All: 4121.900+/-0.370 χ^2/NDF: 14722385.8/1



Right In: 2188.445+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2713.392+/-448.808 χ^2/NDF: 25.1/30

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

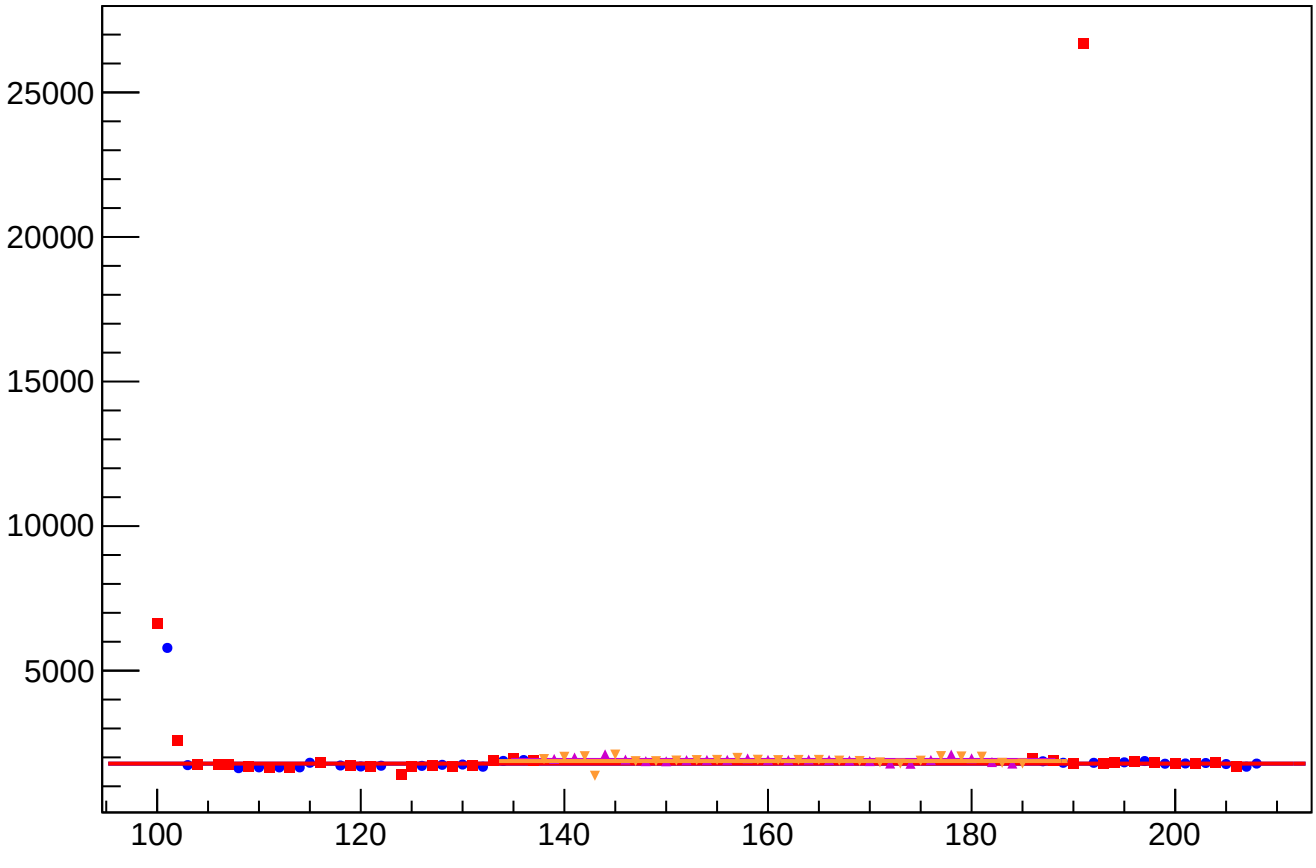
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2453.228+/-318.749 χ^2/NDF: 43.7/57

In: 2398.419+/-318.006 χ^2/NDF:38.4/49

Out: 2005.580+/-309.483 χ^2/NDF:66.0/55

All: 2196.665+/-221.790 χ^2/NDF: 105.1/105



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561157.0/30

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

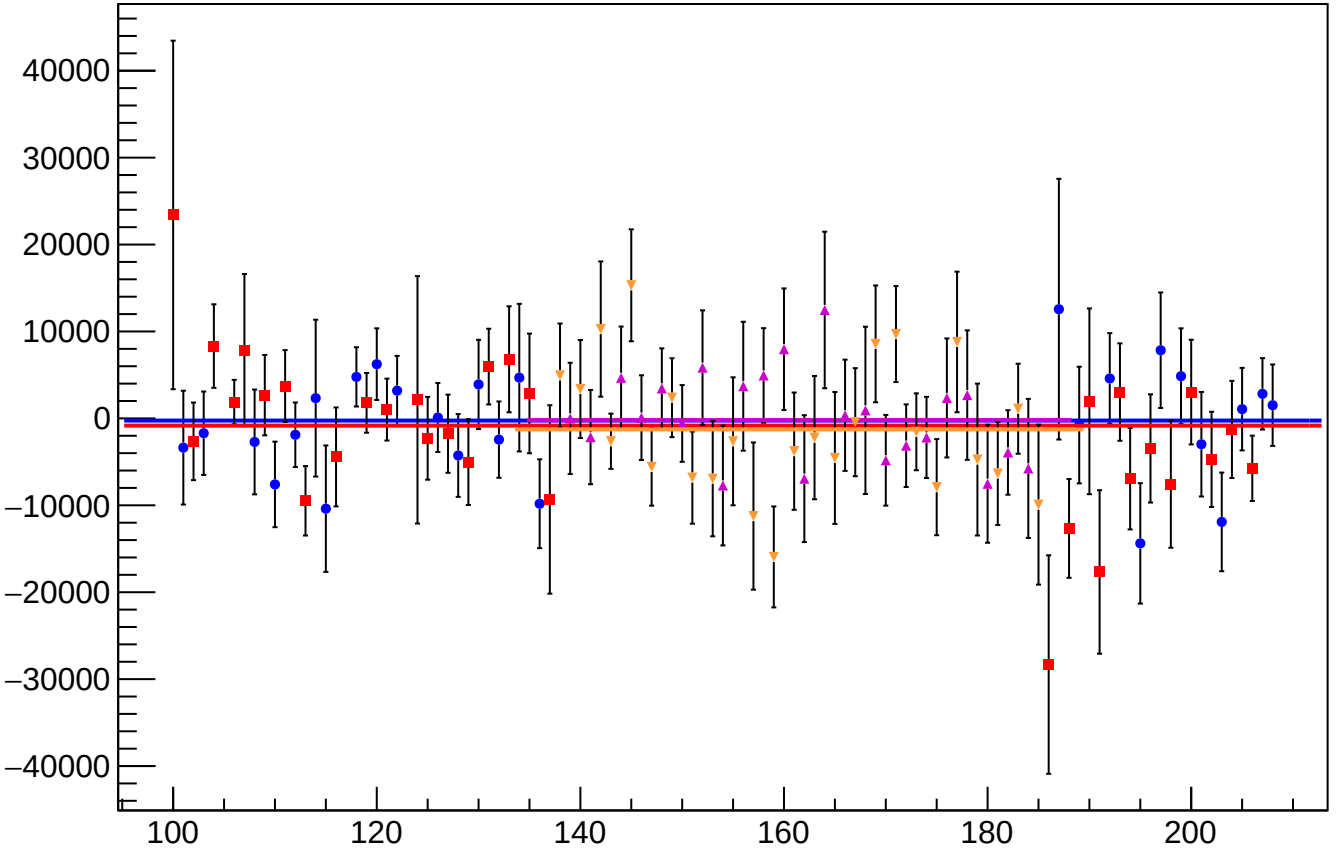
Right: 1783.267+/-0.225 χ^2/NDF: 1243445.8/57

In: 1847.151+/-0.225 χ^2/NDF:825264.9/49

Out: 1831.367+/-0.219 χ^2/NDF:911107.3/55

All: 1839.040+/-0.157 χ^2/NDF: 1738904.1/10

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -251.253+/-978.672 χ^2/NDF: 29.1/26

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -832.097+/-912.376 χ^2/NDF: 38.5/30

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

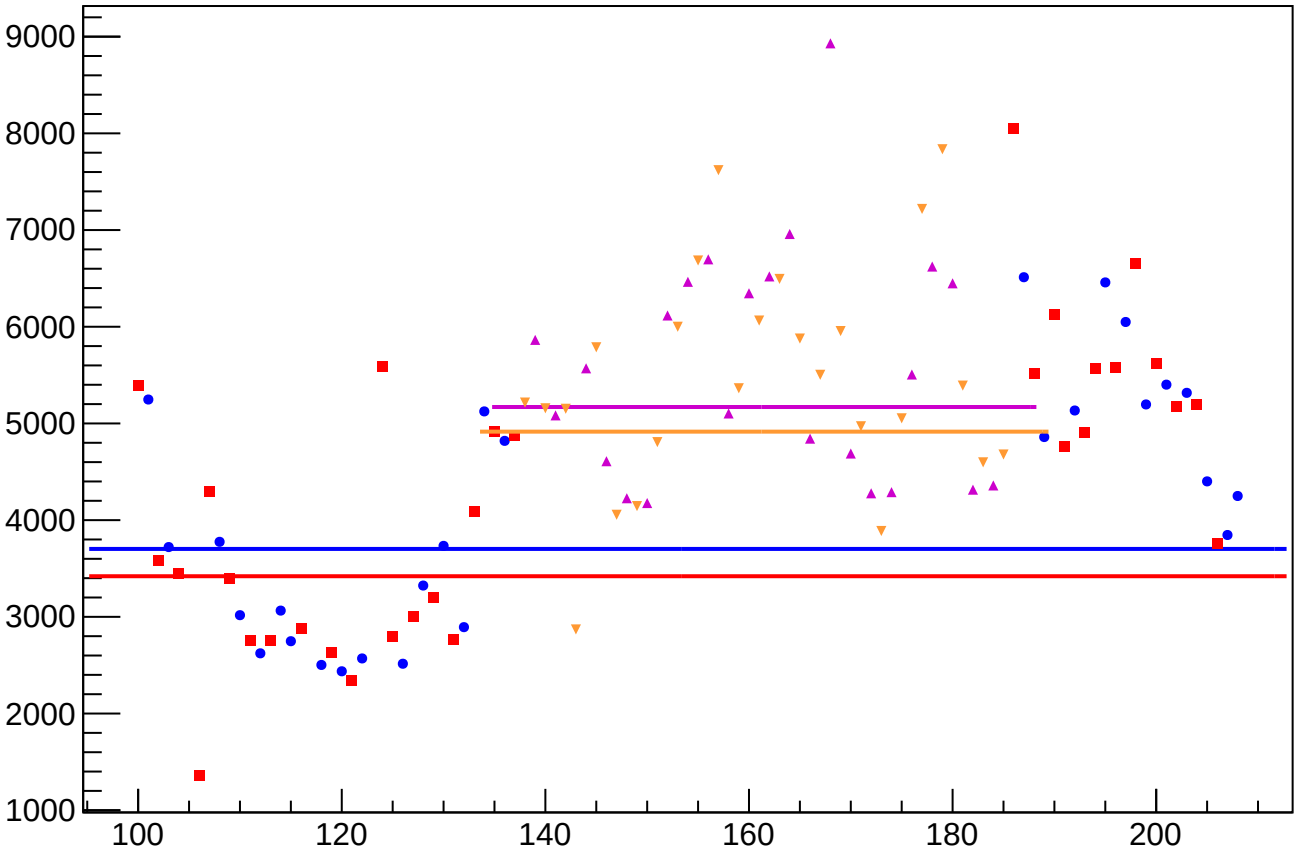
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -562.013+/-667.355 χ^2/NDF: 67.8/57

In: -230.284+/-766.922 χ^2/NDF:41.8/49

Out: -1000.062+/-716.217 χ^2/NDF:72.0/55

All: -641.459+/-523.450 χ^2/NDF: 114.4/105



Right In: 3702.339+/-0.692 χ^2/NDF: 2759865.4/26

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3419.973+/-0.645 χ^2/NDF: 4513034.6/30

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

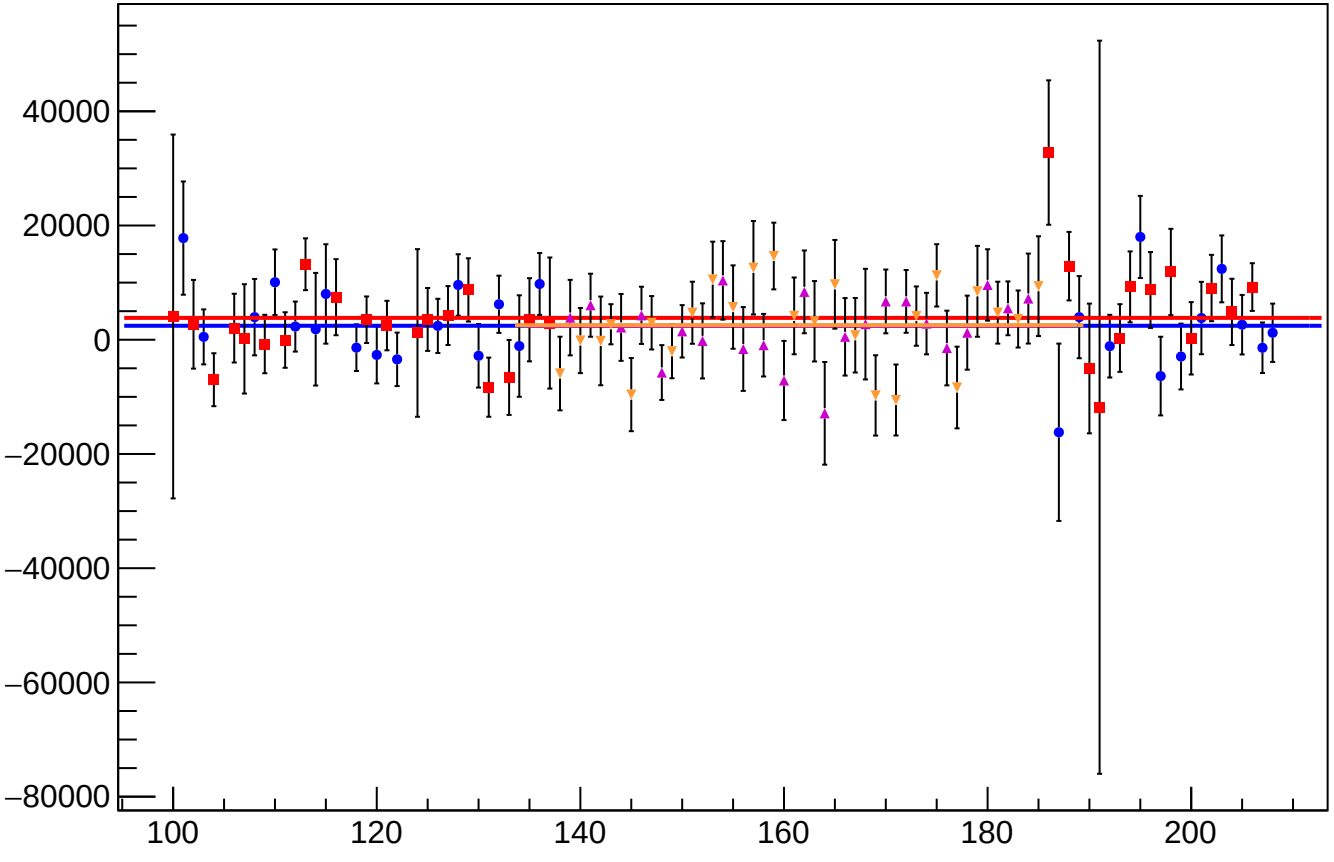
Right: 3551.269+/-0.472 χ^2/NDF: 7361973.0/57

In: 4268.746+/-0.542 χ^2/NDF:5844459.3/49

Out: 3993.819+/-0.506 χ^2/NDF:8740845.5/55

All: 4121.894+/-0.370 χ^2/NDF: 14722590.5/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2445.105+/-1095.760 χ^2/NDF: 26.4/26

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3826.723+/-1090.419 χ^2/NDF: 34.5/30

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

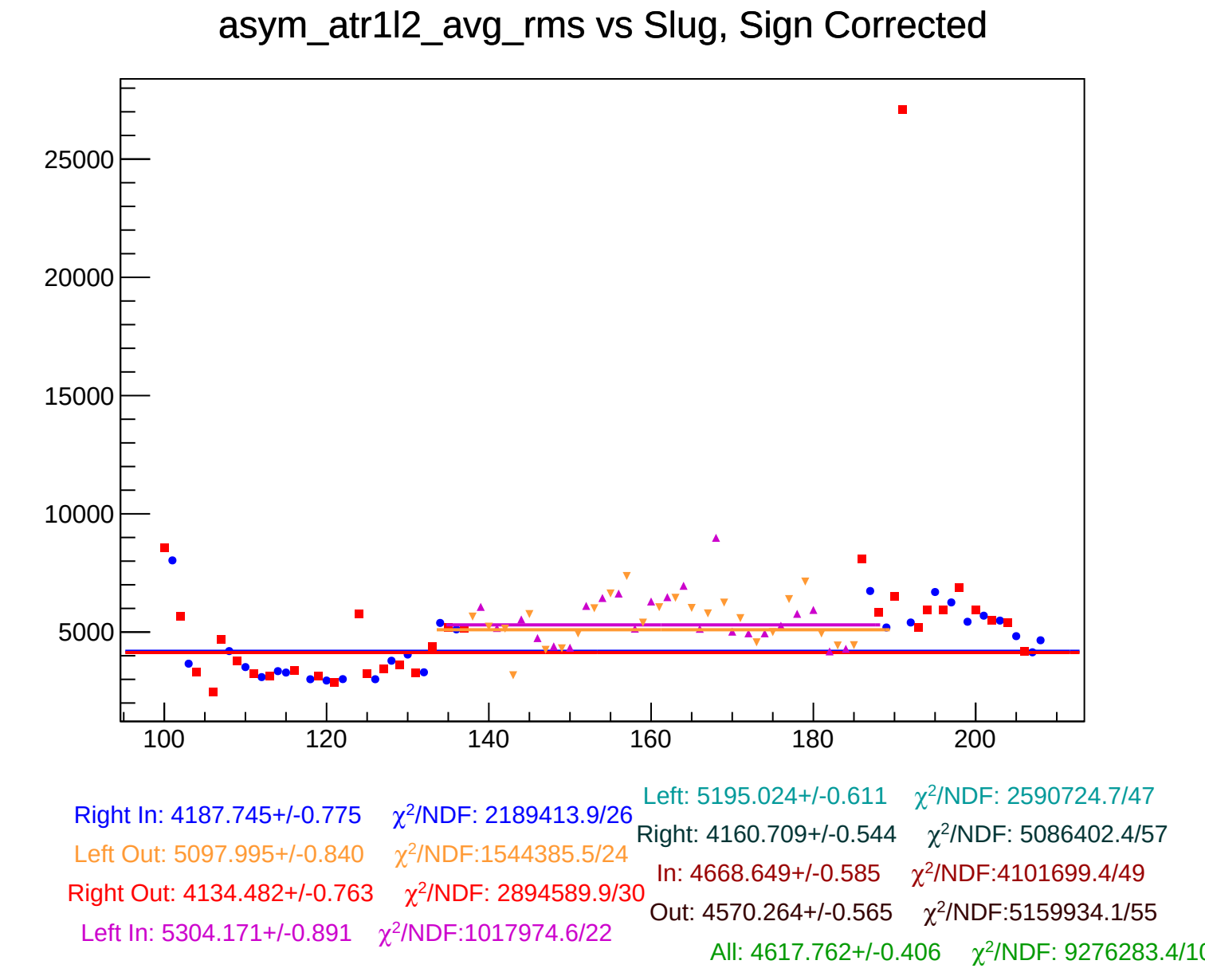
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

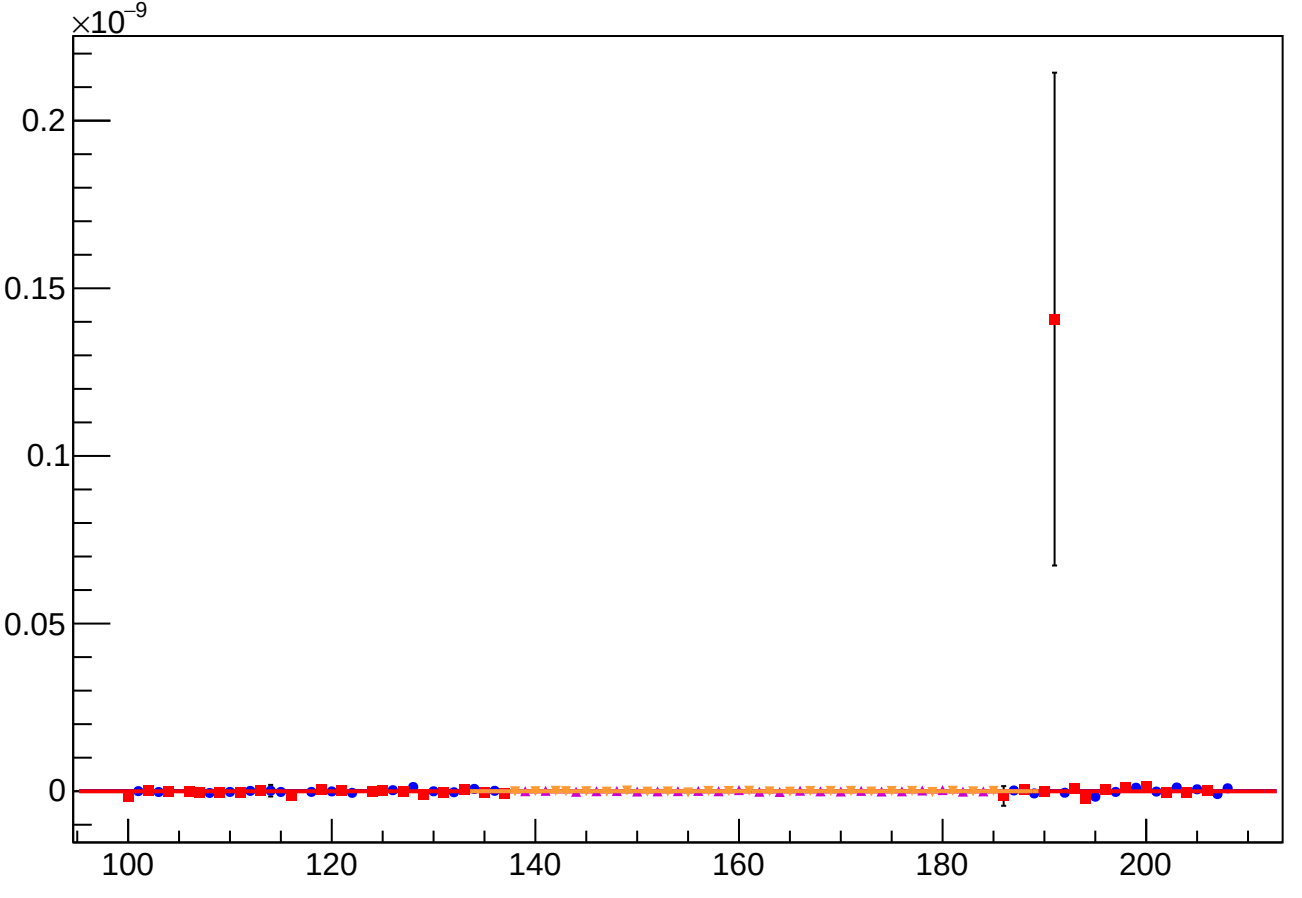
Right: 3139.290+/-772.924 χ^2/NDF: 61.7/57

In: 2435.590+/-826.734 χ^2/NDF:41.4/49

Out: 3241.425+/-803.226 χ^2/NDF:64.2/55

All: 2850.127+/-576.098 χ^2/NDF: 106.1/105


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4187.745+/-0.775 χ²/NDF: 2189413.9/26
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4134.482+/-0.763 χ²/NDF: 2894589.9/30
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4160.709+/-0.544 χ²/NDF: 5086402.4/57
In: 4668.649+/-0.585 χ²/NDF:4101699.4/49
Out: 4570.264+/-0.565 χ²/NDF:5159934.1/55
All: 4617.762+/-0.406 χ²/NDF: 9276283.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/30

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

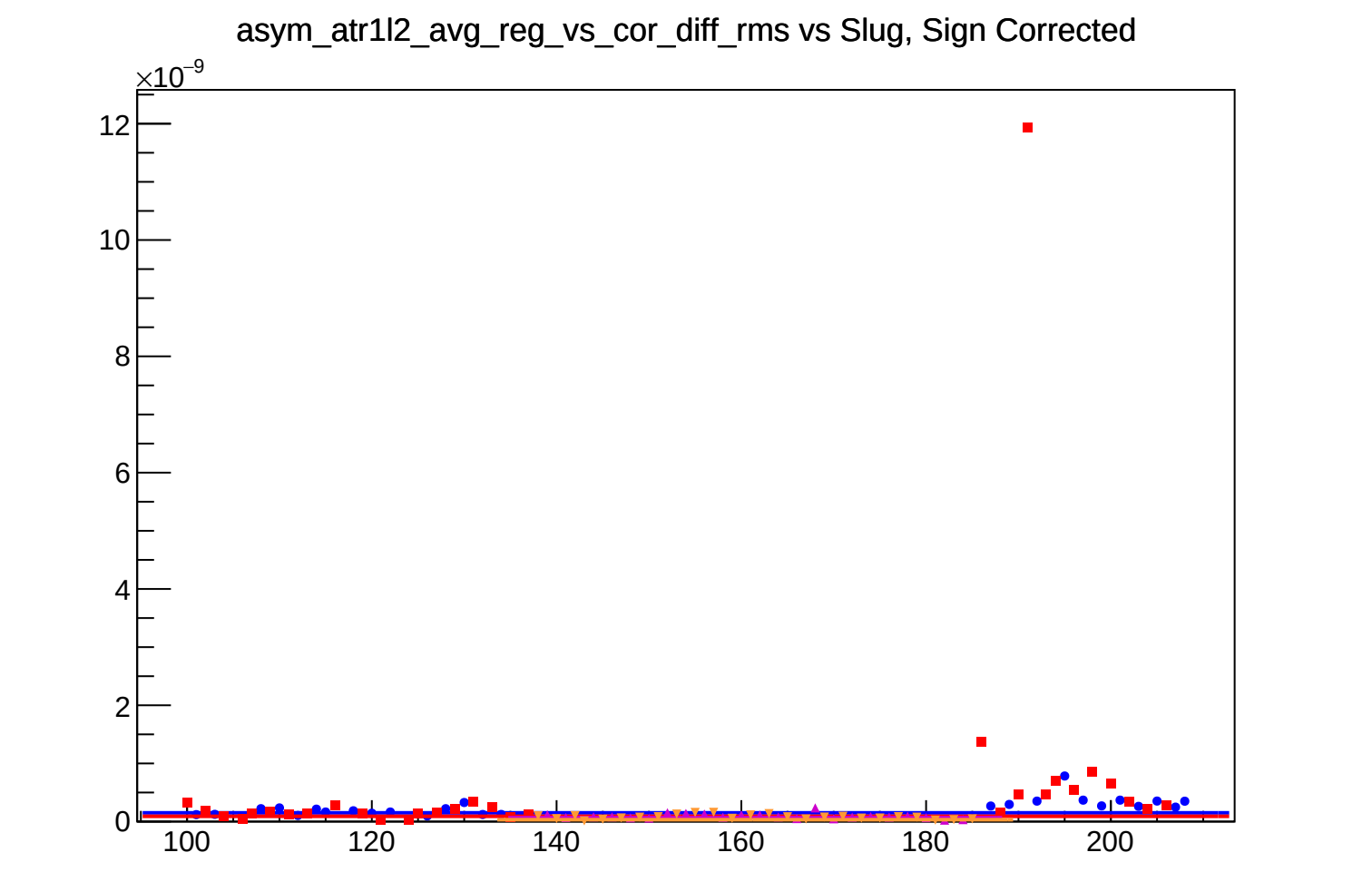
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

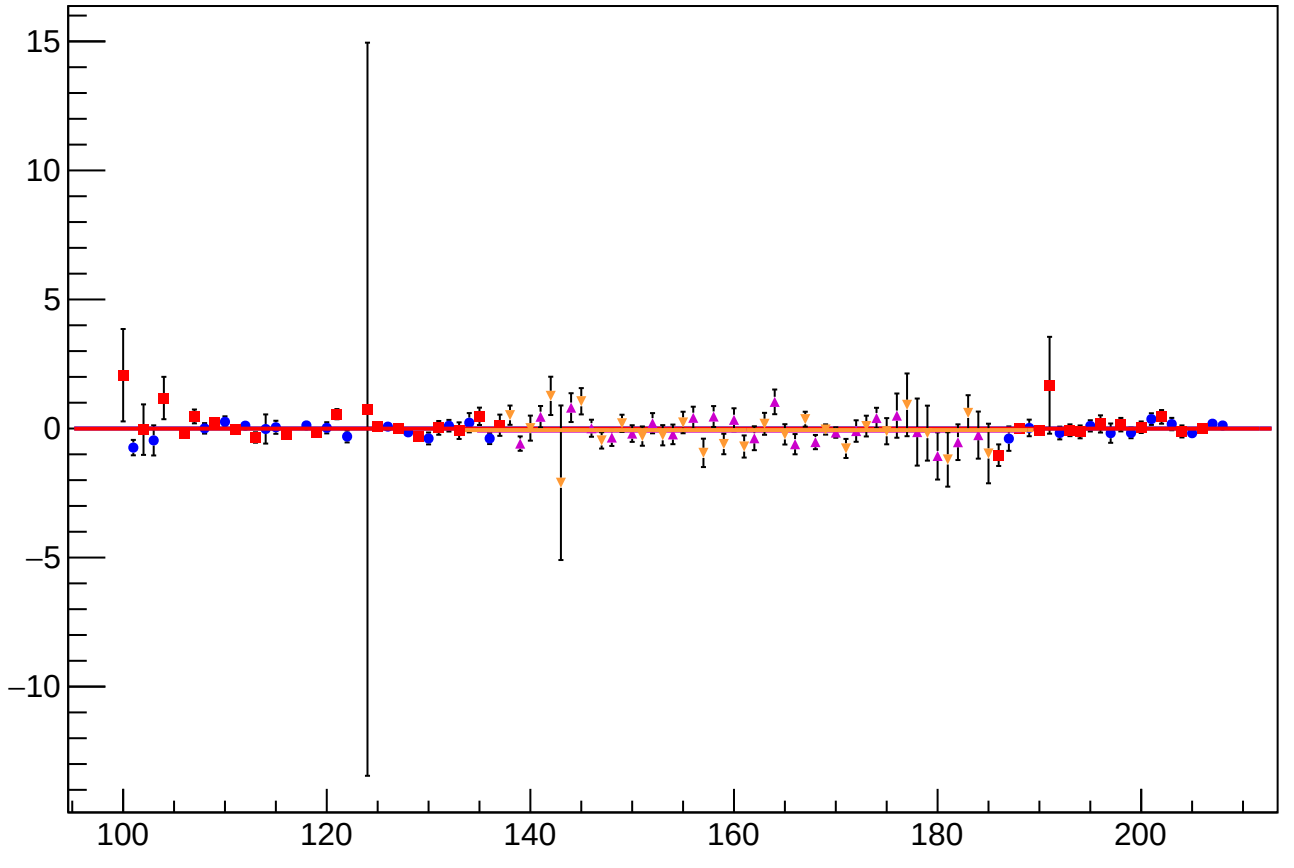
Right: 0.000+/-0.000 χ^2/NDF: 76.4/57

In: 0.000+/-0.000 χ^2/NDF:59.7/49

Out: 0.000+/-0.000 χ^2/NDF:54.8/55

All: 0.000+/-0.000 χ^2/NDF: 114.6/105


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3014782.4/26
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7014949.5/30
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 11014509.9/57
In: 0.000+/-0.000 χ²/NDF:8016669.2/49
Out: 0.000+/-0.000 χ²/NDF:15499615.4/55
All: 0.000+/-0.000 χ²/NDF: 27099484.9/105



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

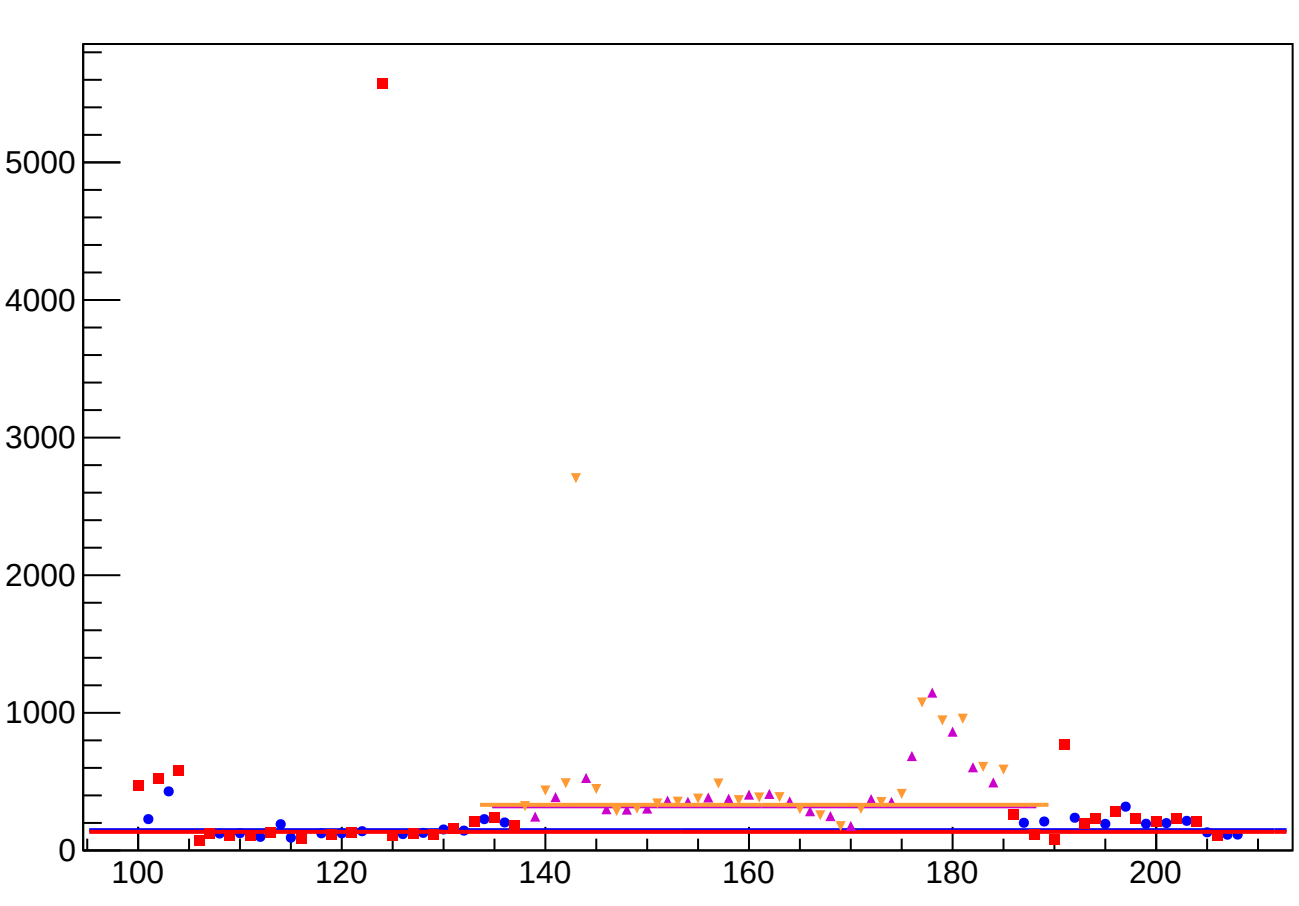
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.002+/-0.028 χ^2/NDF: 68.2/57

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.015+/-0.025 χ^2/NDF: 127.2/105



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

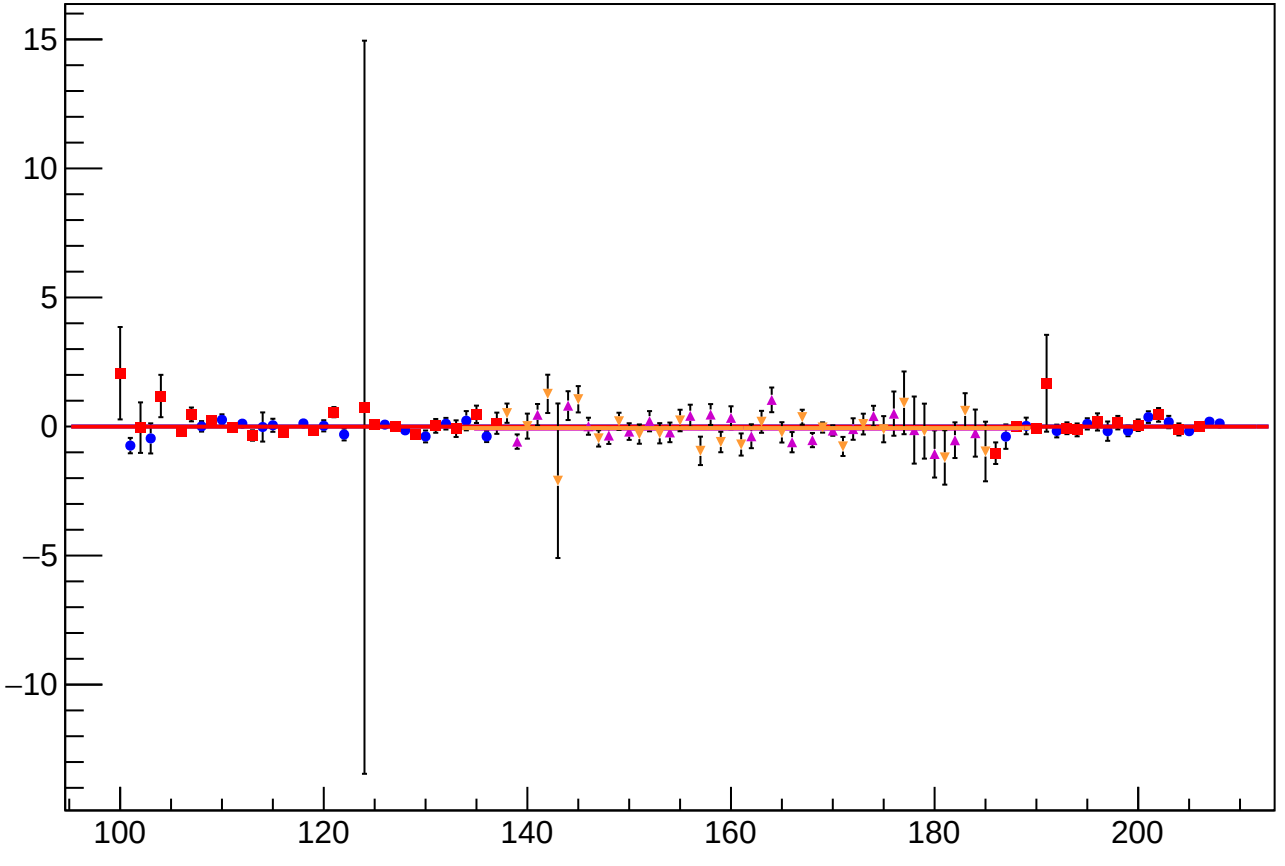
Right: 140.987+/-0.020 χ^2/NDF: 7850405.0/57

In: 182.554+/-0.026 χ^2/NDF:14364242.7/49

Out: 169.698+/-0.025 χ^2/NDF:19834146.9/55

All: 175.873+/-0.018 χ^2/NDF: 34327344.0/10

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

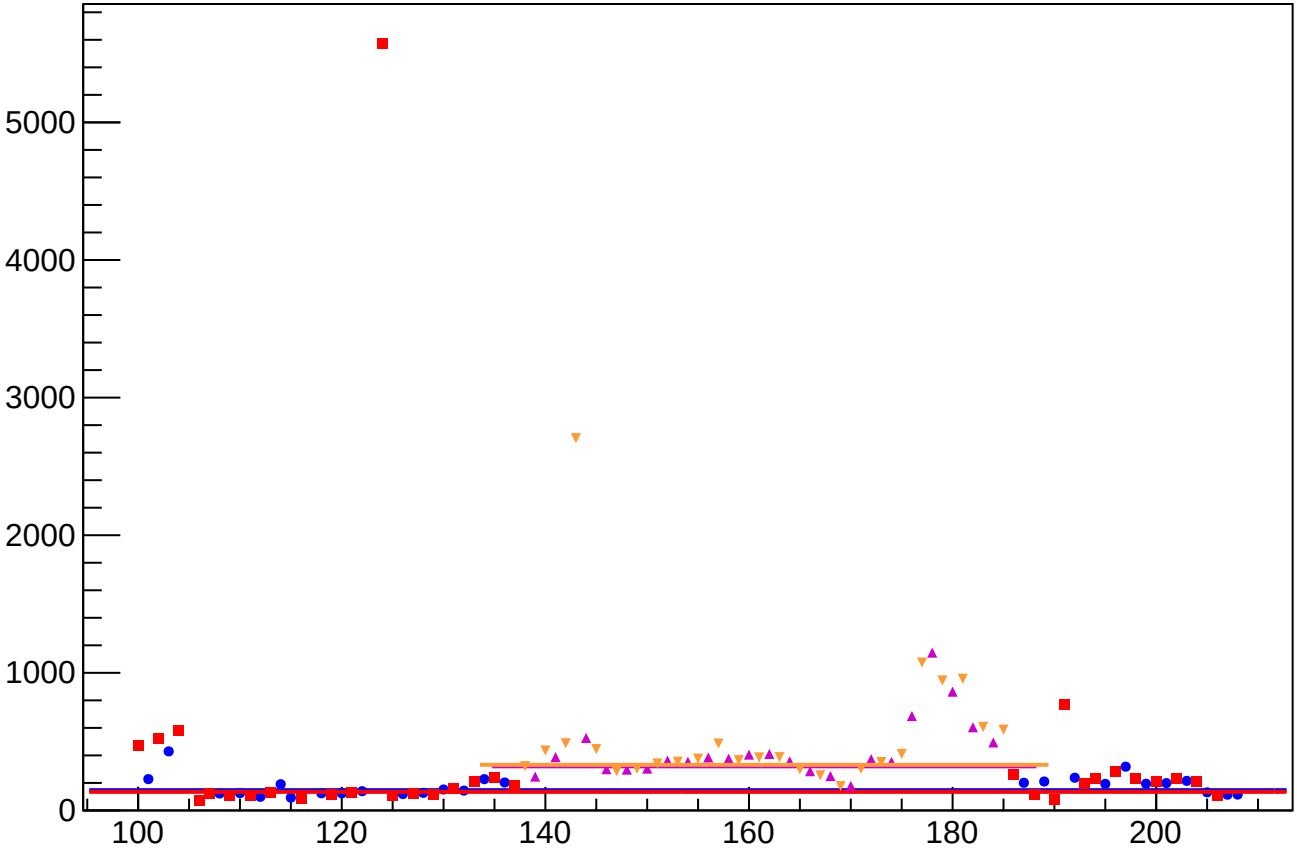
Right: -0.002+/-0.028 χ^2/NDF: 68.2/57

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.015+/-0.025 χ^2/NDF: 127.2/105

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

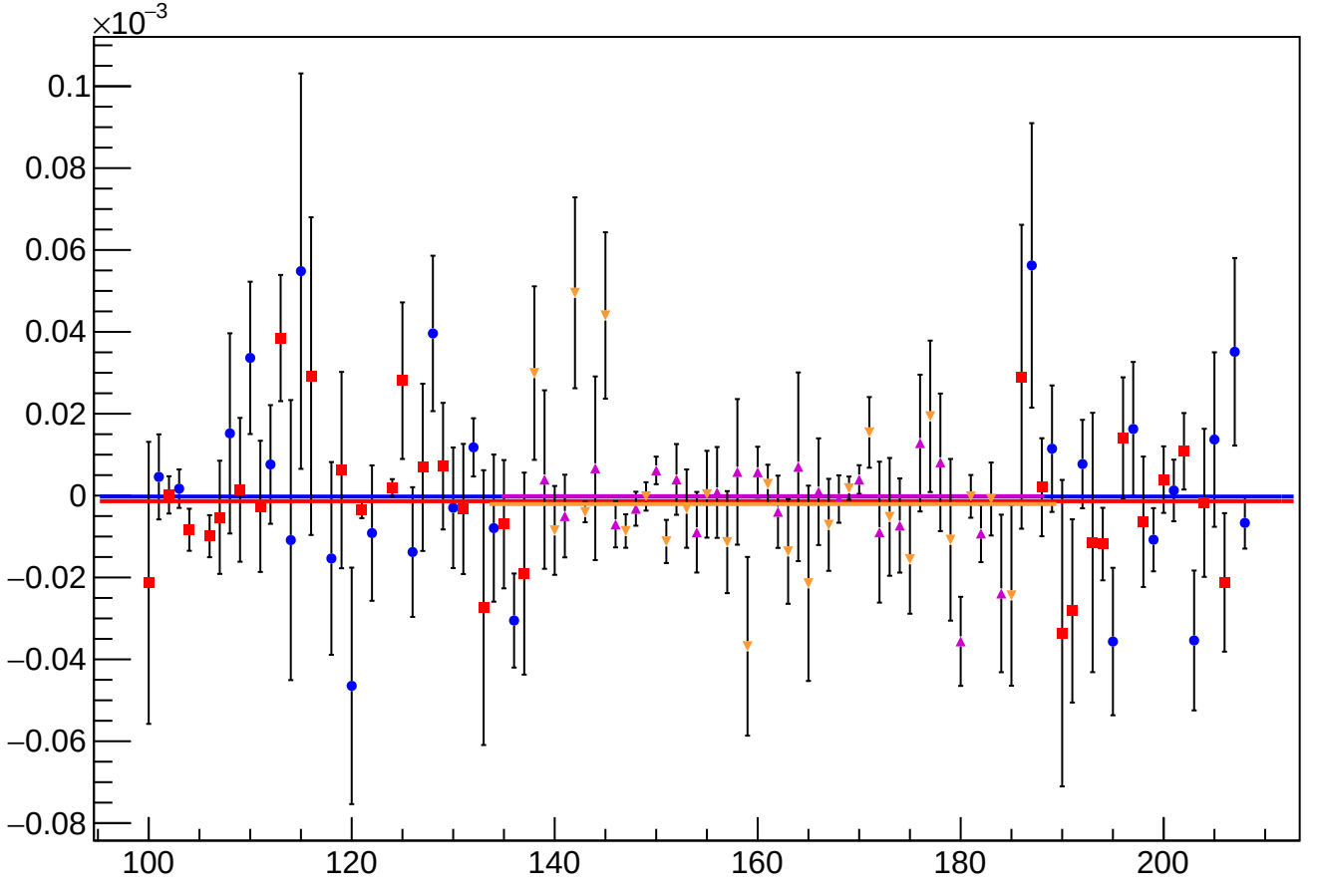
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 140.987+/-0.020 χ^2/NDF: 7850405.0/57

In: 182.554+/-0.026 χ^2/NDF:14364242.7/49

Out: 169.698+/-0.025 χ^2/NDF:19834146.9/55

All: 175.873+/-0.018 χ^2/NDF: 34327344.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

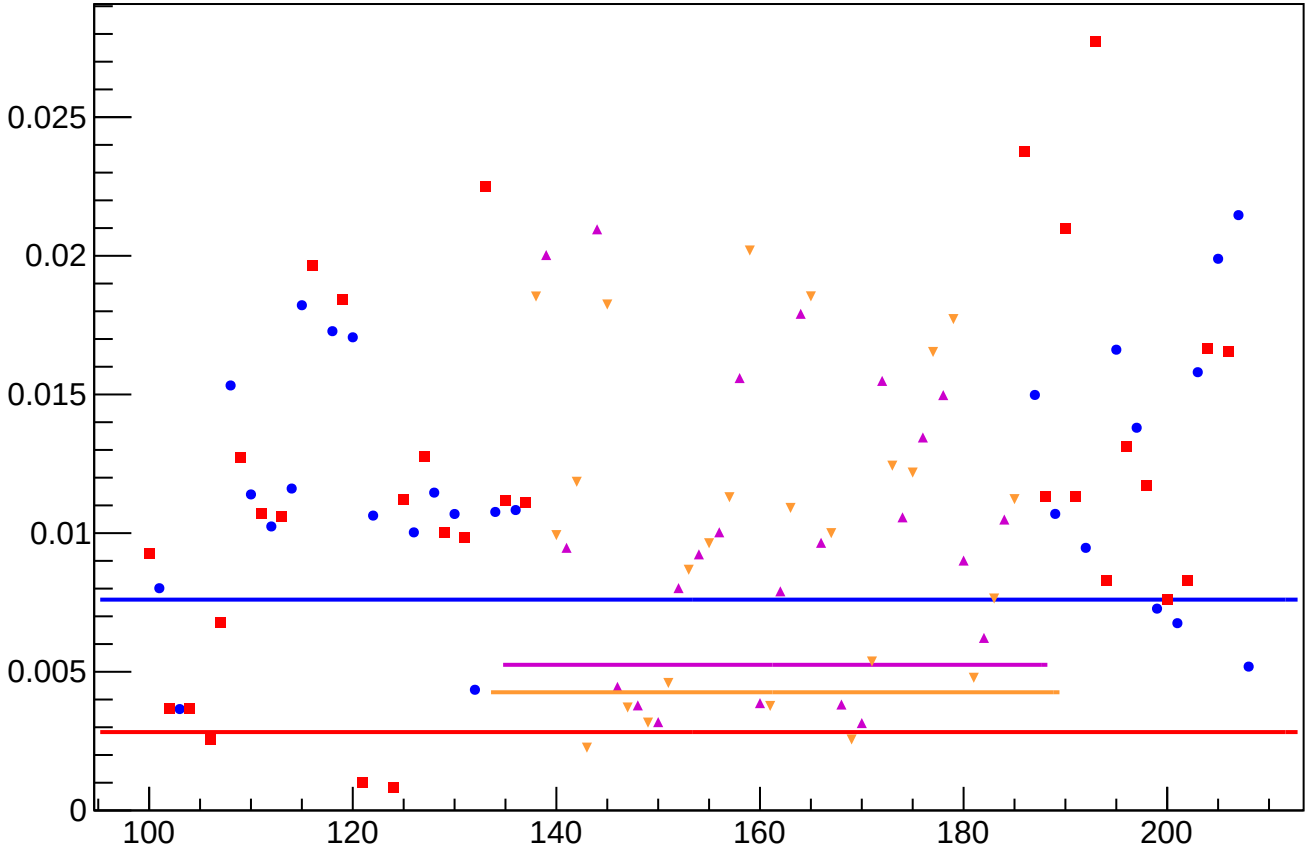
Right: -0.000+/-0.000 χ^2/NDF: 72.4/57

In: -0.000+/-0.000 χ^2/NDF:67.7/49

Out: -0.000+/-0.000 χ^2/NDF:64.3/55

All: -0.000+/-0.000 χ^2/NDF: 133.0/105

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 6560366.8/26

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19645072.4/30

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

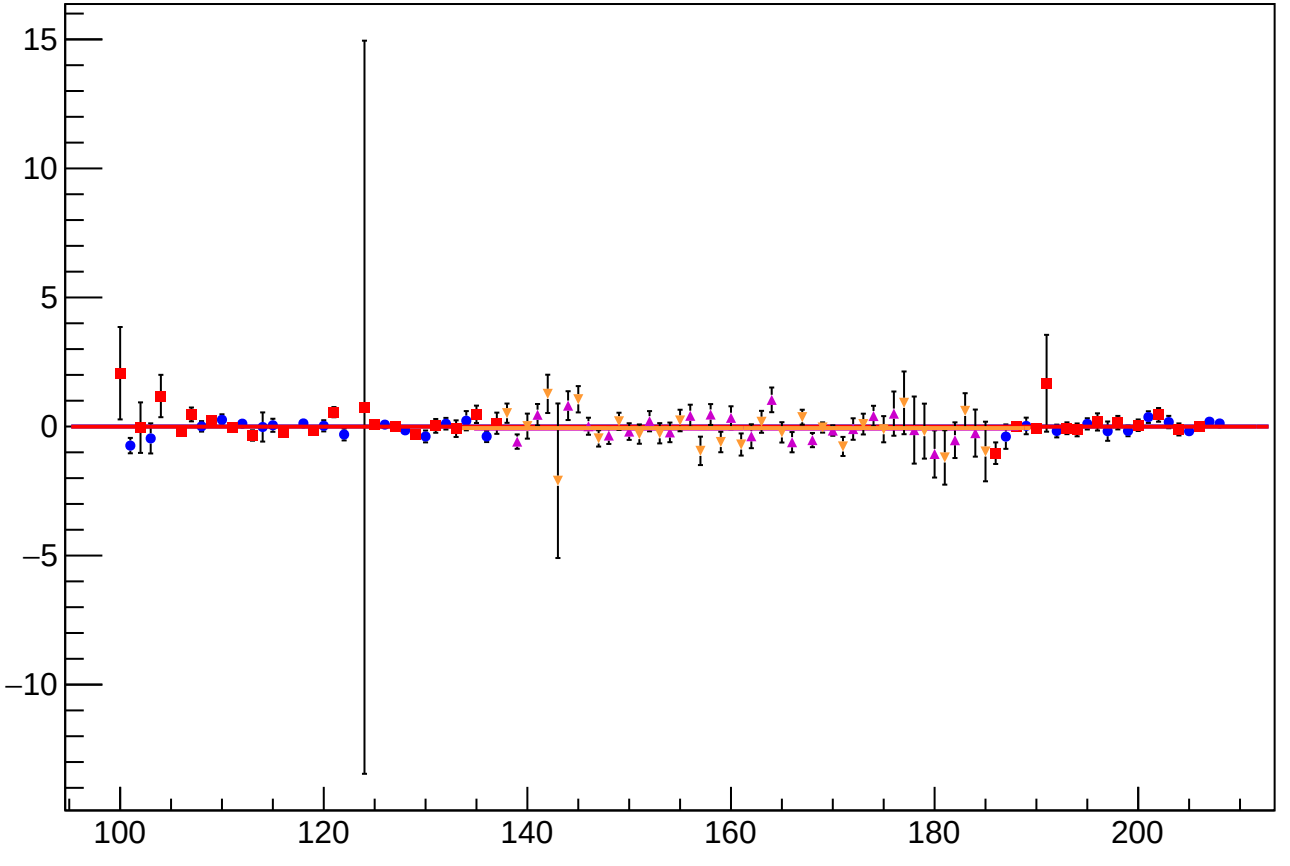
Right: 0.004+/-0.000 χ^2/NDF: 33335082.3/57

In: 0.006+/-0.000 χ^2/NDF:17610761.2/49

Out: 0.004+/-0.000 χ^2/NDF:33996238.2/55

All: 0.004+/-0.000 χ^2/NDF: 56919075.6/105

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

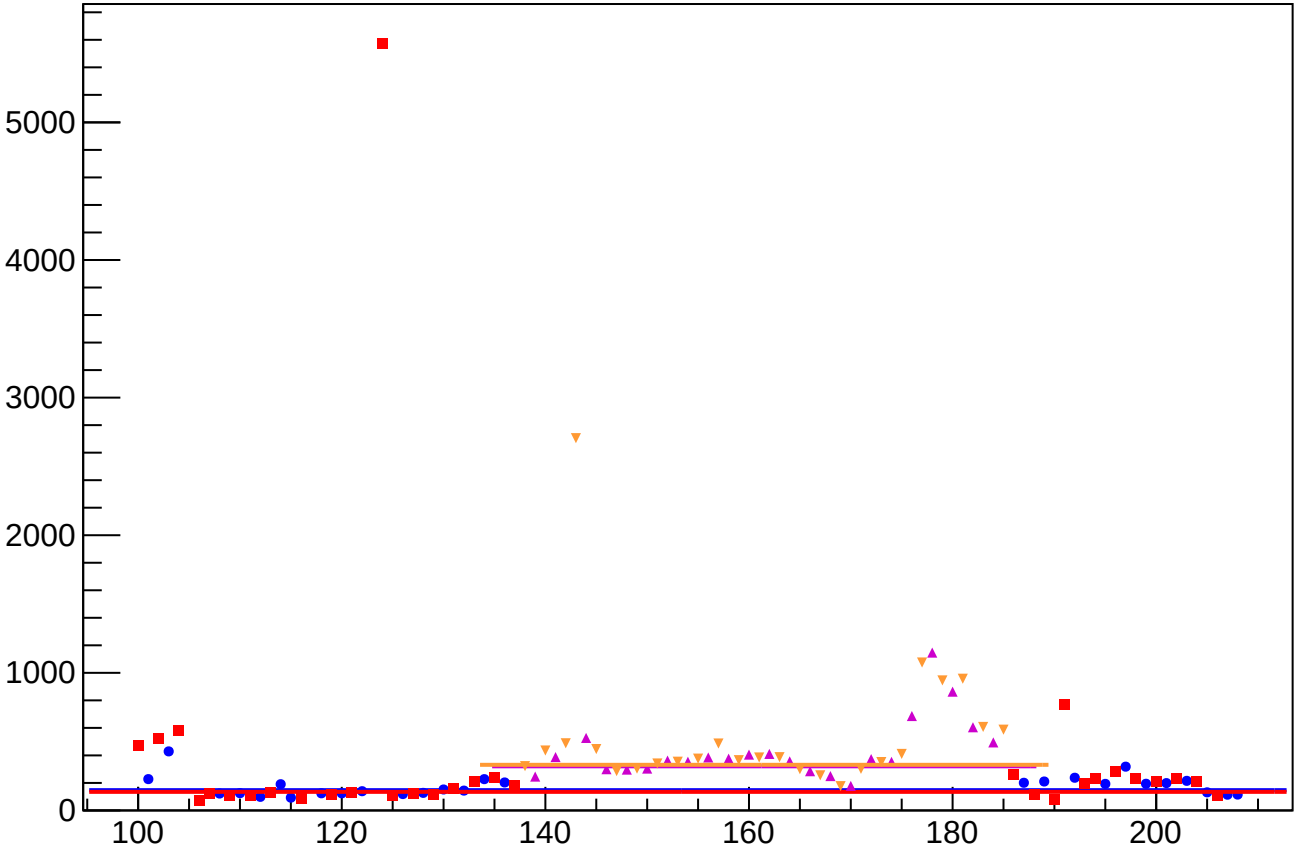
Right: -0.002+/-0.028 χ^2/NDF: 68.2/57

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.015+/-0.025 χ^2/NDF: 127.2/105

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

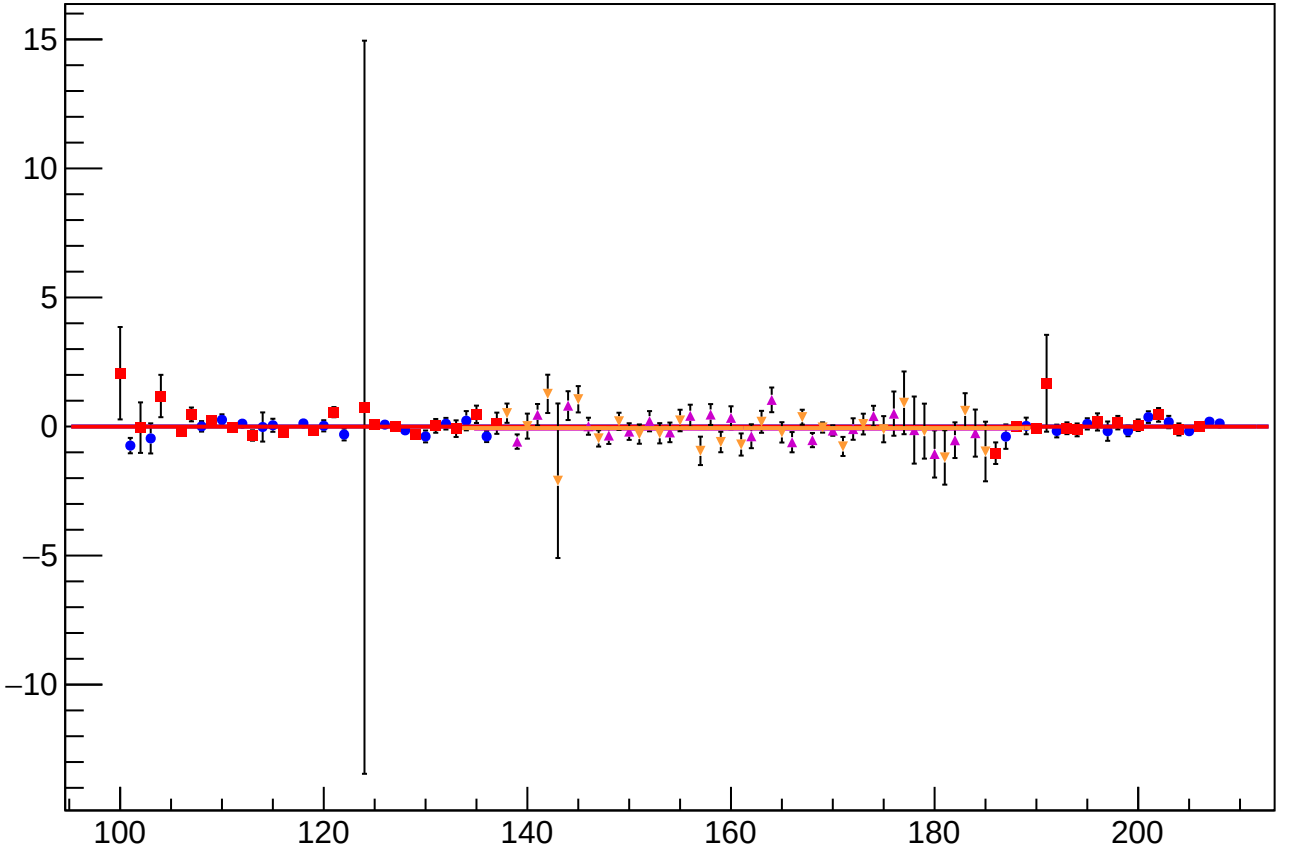
Right: 140.987+/-0.020 χ^2/NDF: 7850438.9/57

In: 182.554+/-0.026 χ^2/NDF:14364337.4/49

Out: 169.697+/-0.025 χ^2/NDF:19834408.4/55

All: 175.872+/-0.018 χ^2/NDF: 34327720.9/10

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

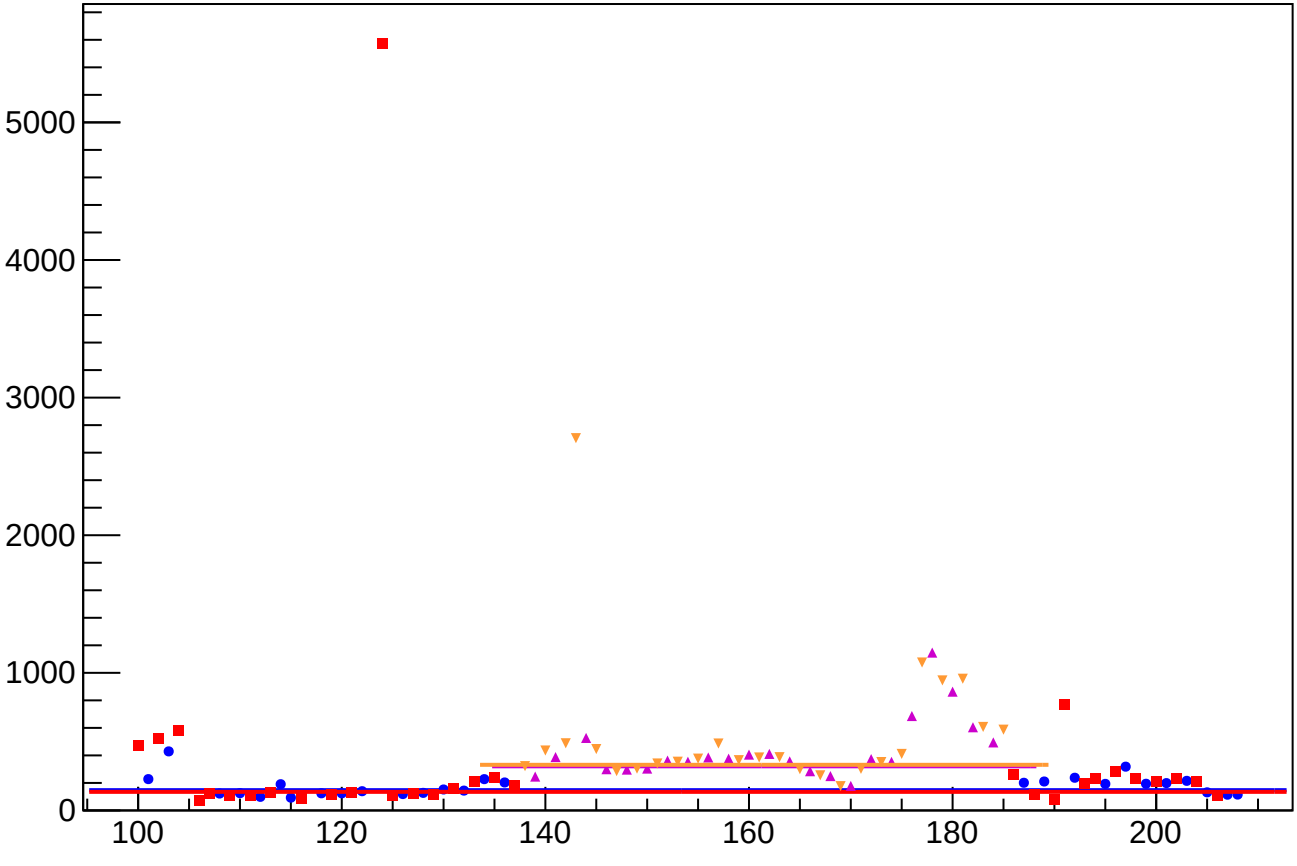
Right: -0.002+/-0.028 χ^2/NDF: 68.2/57

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.015+/-0.025 χ^2/NDF: 127.2/105

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

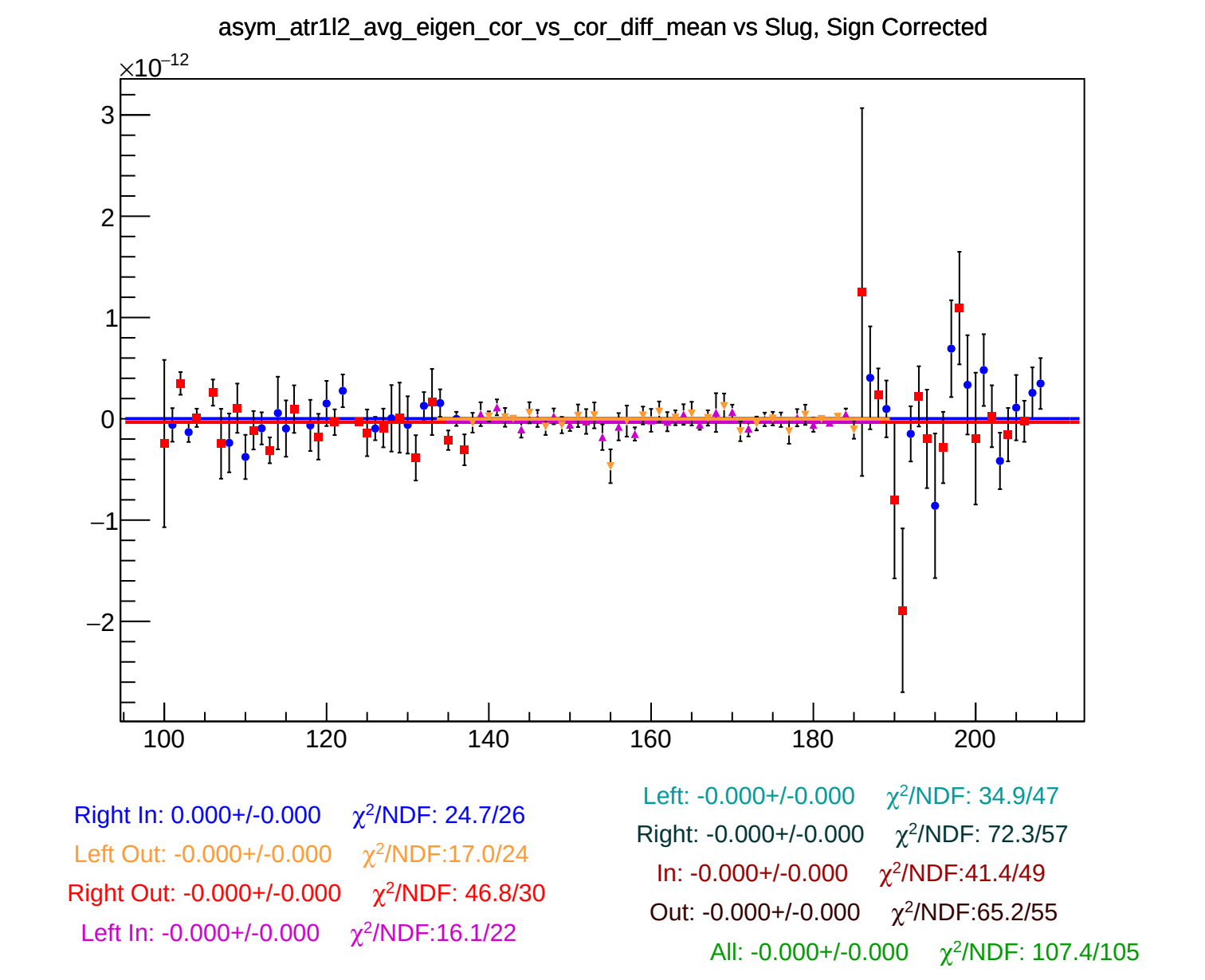
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

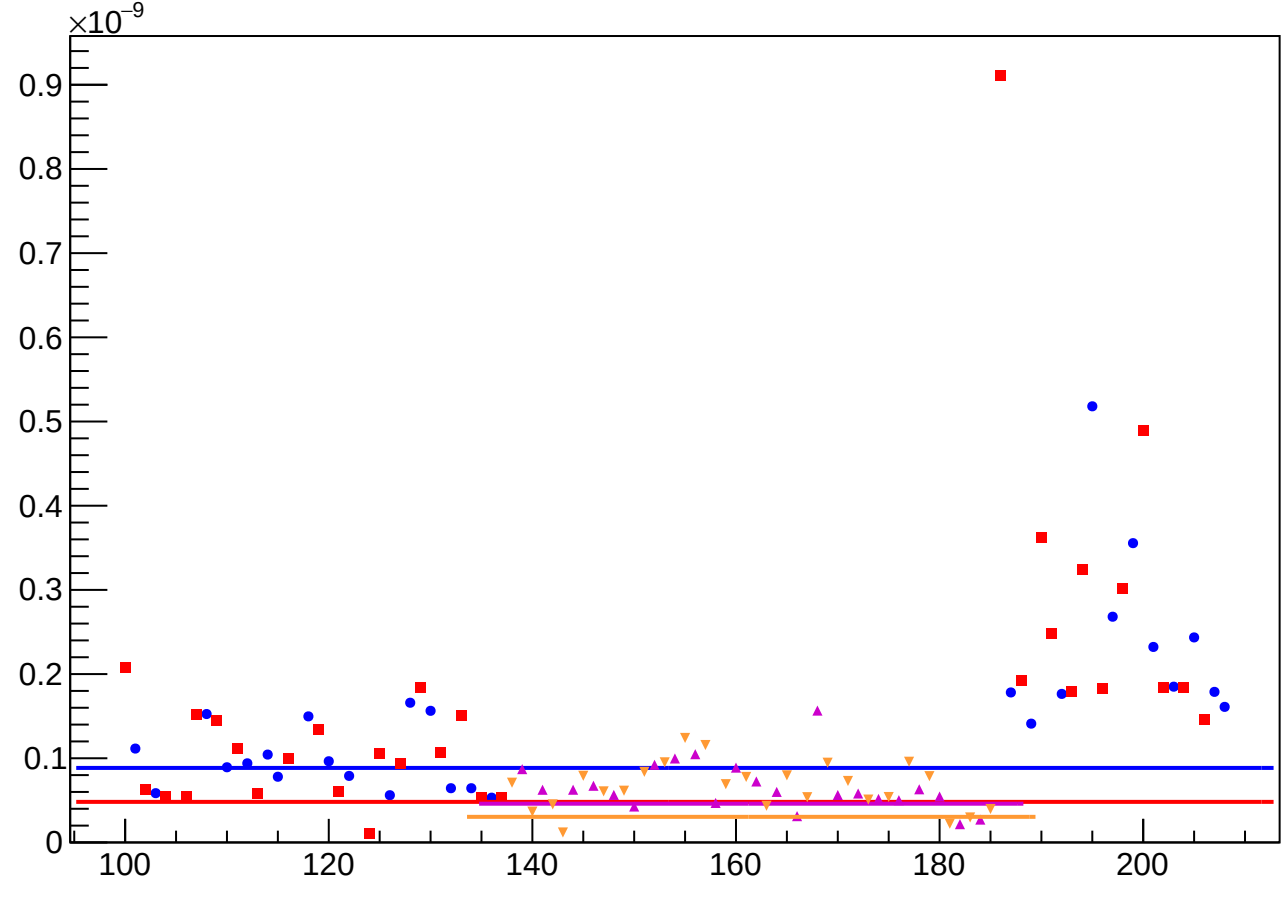
Right: 140.987+/-0.020 χ^2/NDF: 7850438.9/57

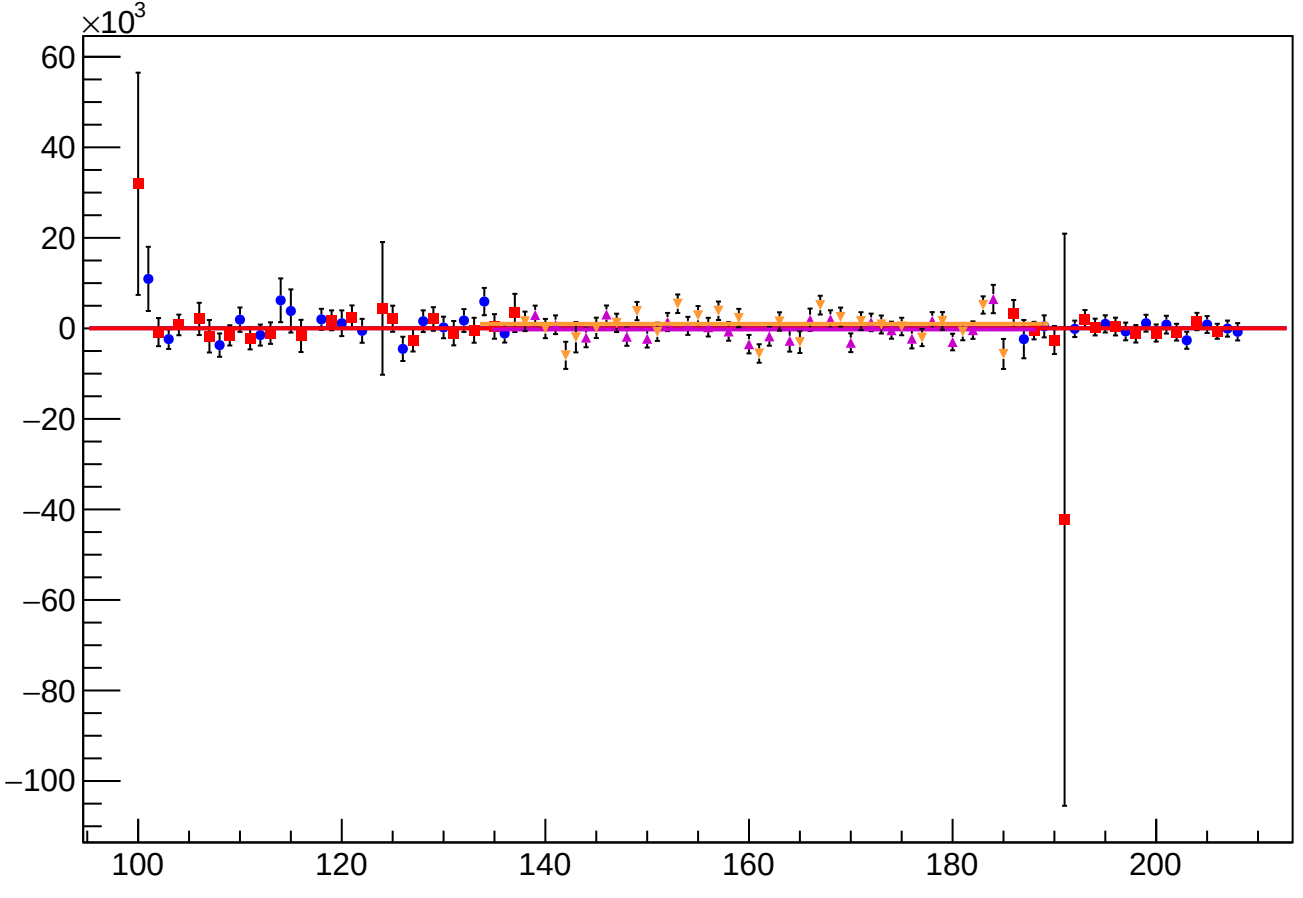
In: 182.554+/-0.026 χ^2/NDF:14364337.4/49

Out: 169.697+/-0.025 χ^2/NDF:19834408.4/55

All: 175.872+/-0.018 χ^2/NDF: 34327720.9/10


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.7/26
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.8/30
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: 72.3/57
In: -0.000+/-0.000 χ²/NDF:41.4/49
Out: -0.000+/-0.000 χ²/NDF:65.2/55
All: -0.000+/-0.000 χ²/NDF: 107.4/105


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4883198.4/26
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10133807.3/30
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 16802998.8/57
In: 0.000+/-0.000 χ²/NDF:12323473.2/49
Out: 0.000+/-0.000 χ²/NDF:21524814.1/55
All: 0.000+/-0.000 χ²/NDF: 36463515.9/105



Right In: 34.777+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 17.279+/-443.737 χ^2/NDF: 14.0/30

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

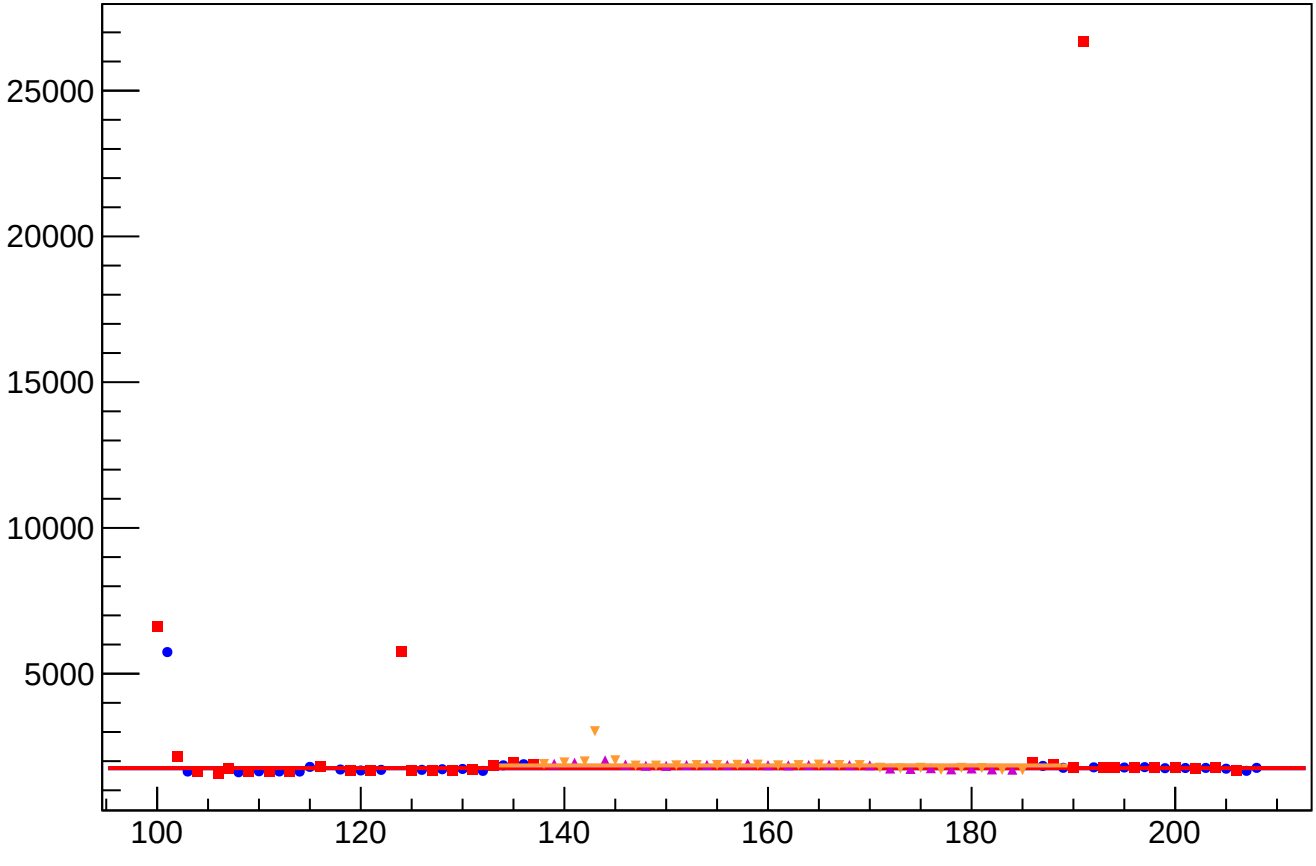
Right: 25.980+/-314.632 χ^2/NDF: 35.4/57

In: -102.242+/-309.508 χ^2/NDF:47.9/49

Out: 534.807+/-306.016 χ^2/NDF:64.0/55

All: 219.896+/-217.610 χ^2/NDF: 114.0/105

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.0/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.751+/-0.313 χ^2/NDF: 644693.7/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

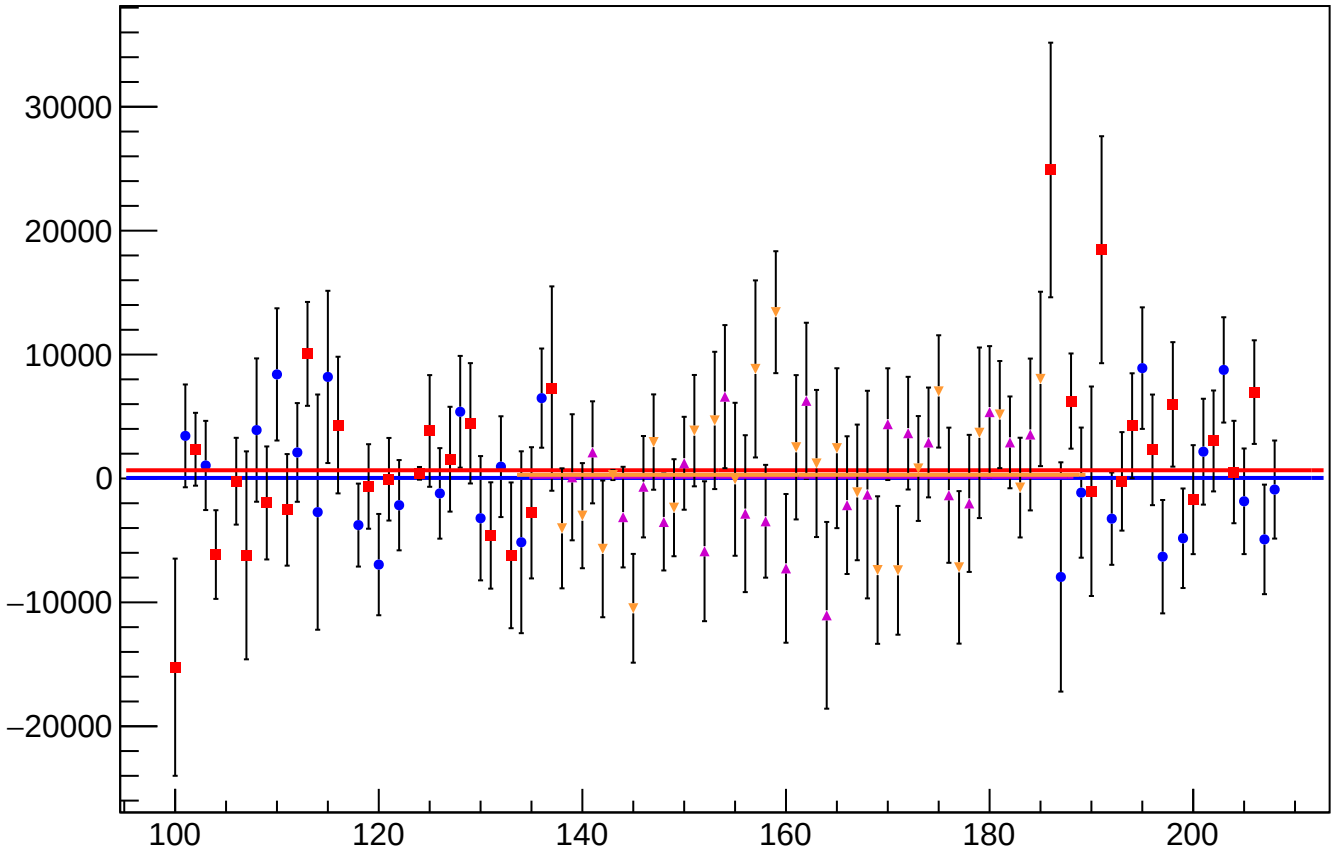
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1758.700+/-0.222 χ^2/NDF: 1322524.7/57

In: 1798.622+/-0.219 χ^2/NDF:781965.9/49

Out: 1809.204+/-0.216 χ^2/NDF:1009787.8/55

All: 1803.982+/-0.154 χ^2/NDF: 1792937.9/10



Right In: 42.417+/-852.436 χ^2/NDF: 29.2/26

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 662.290+/-434.043 χ^2/NDF: 36.2/30

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

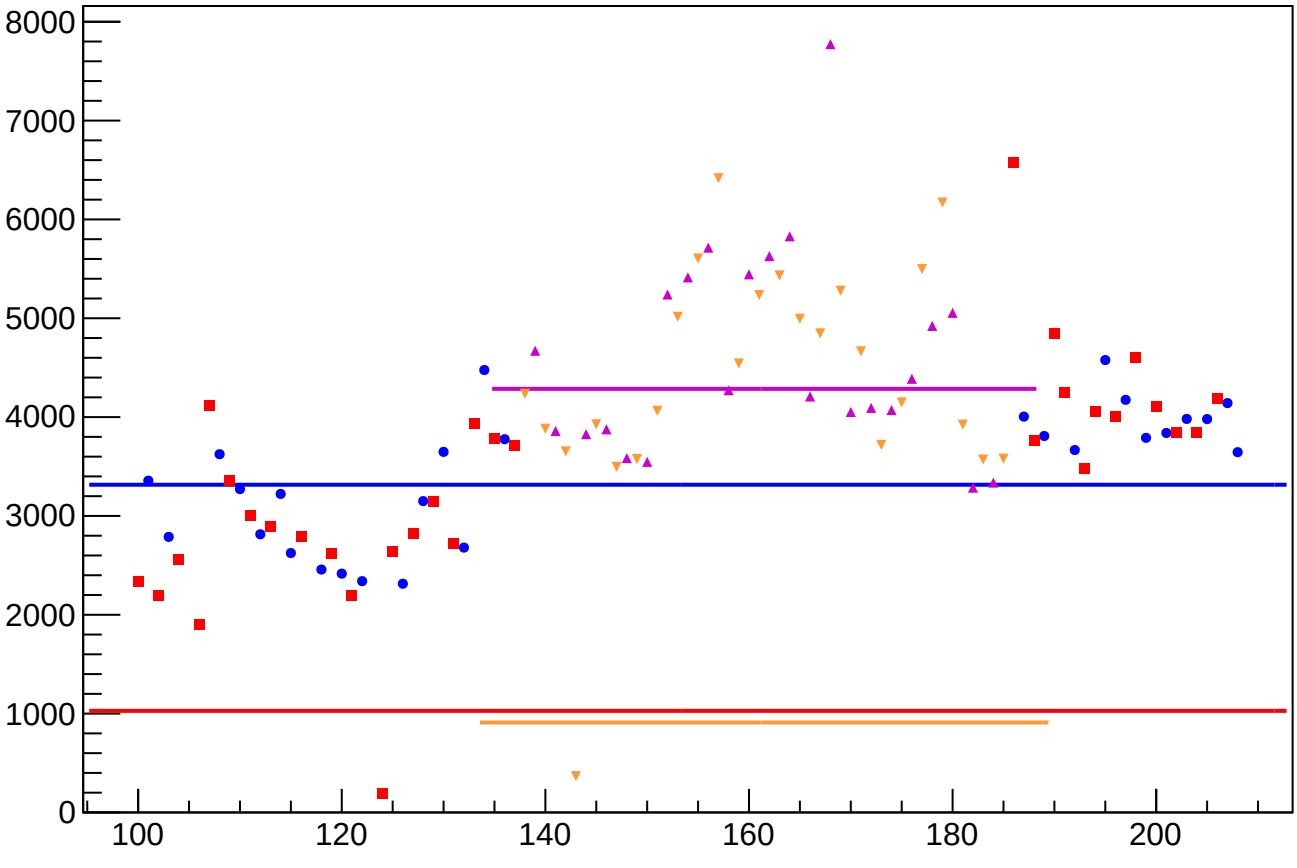
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 534.667+/-386.790 χ^2/NDF: 65.8/57

In: 81.733+/-654.864 χ^2/NDF:43.1/49

Out: 453.995+/-285.877 χ^2/NDF:66.6/55

All: 394.408+/-262.000 χ^2/NDF: 110.0/105



Right In: 3315.720+/-0.603 χ^2/NDF: 1247813.1/26

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1027.941+/-0.307 χ^2/NDF: 21196240.1/30

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

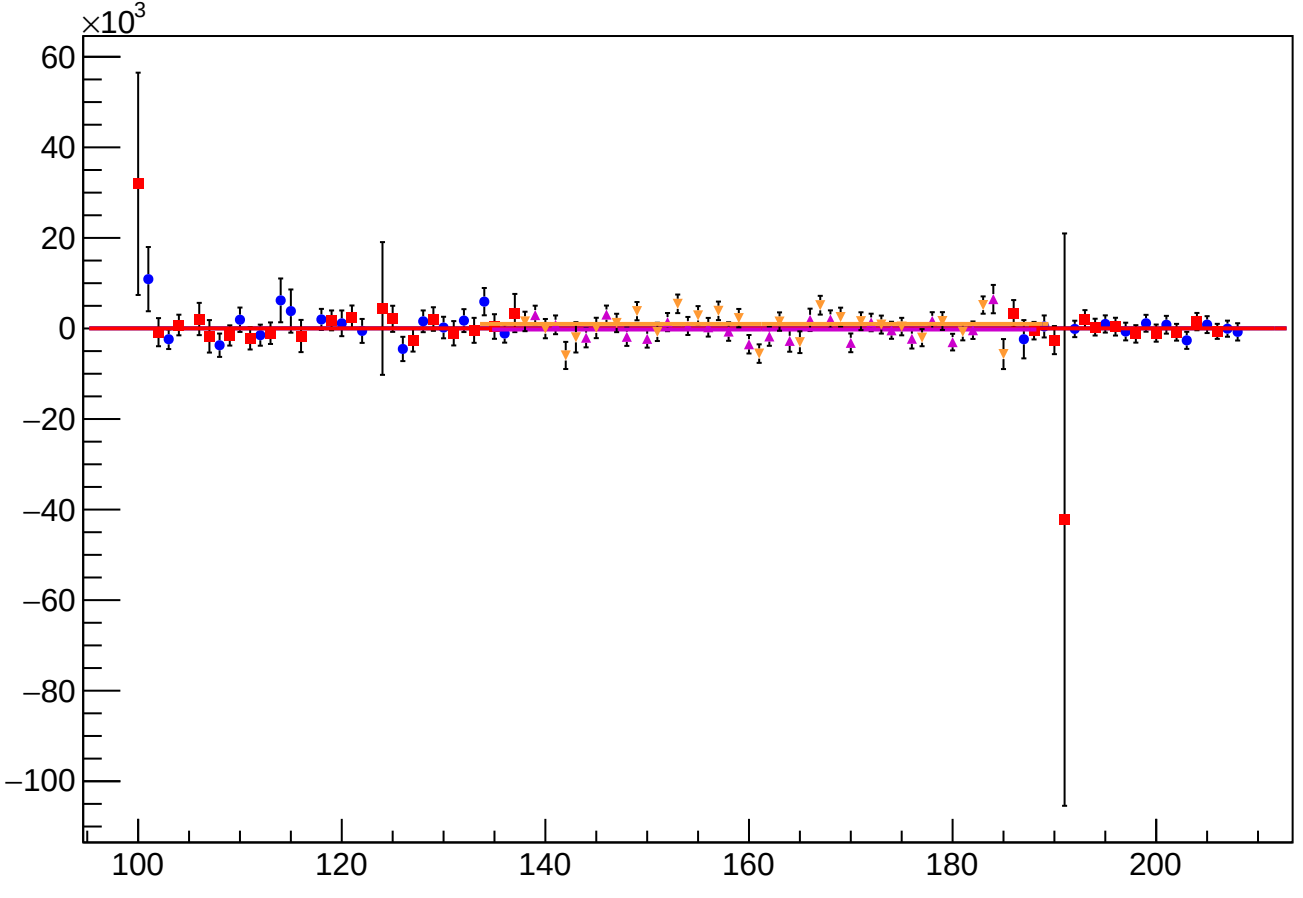
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1498.962+/-0.274 χ^2/NDF: 33883838.9/57

In: 3713.300+/-0.463 χ^2/NDF:3637351.1/49

Out: 961.239+/-0.202 χ^2/NDF:48053783.5/55

All: 1401.751+/-0.185 χ^2/NDF: 81359135.4/



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 17.268+/-443.737 χ^2/NDF: 14.0/30

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

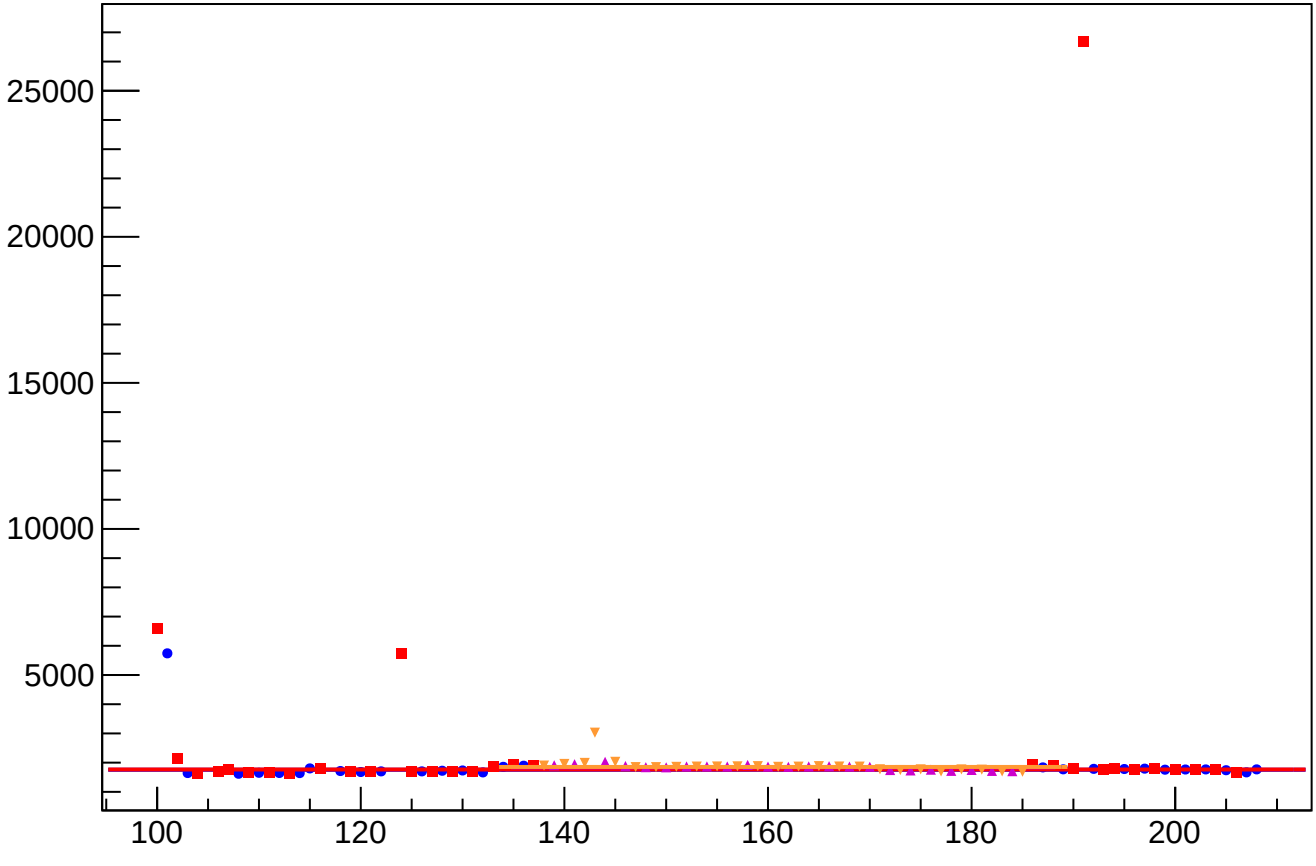
Right: 25.902+/-314.632 χ^2/NDF: 35.3/57

In: -102.268+/-309.508 χ^2/NDF:47.8/49

Out: 534.780+/-306.016 χ^2/NDF:64.0/55

All: 219.869+/-217.610 χ^2/NDF: 114.0/105

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

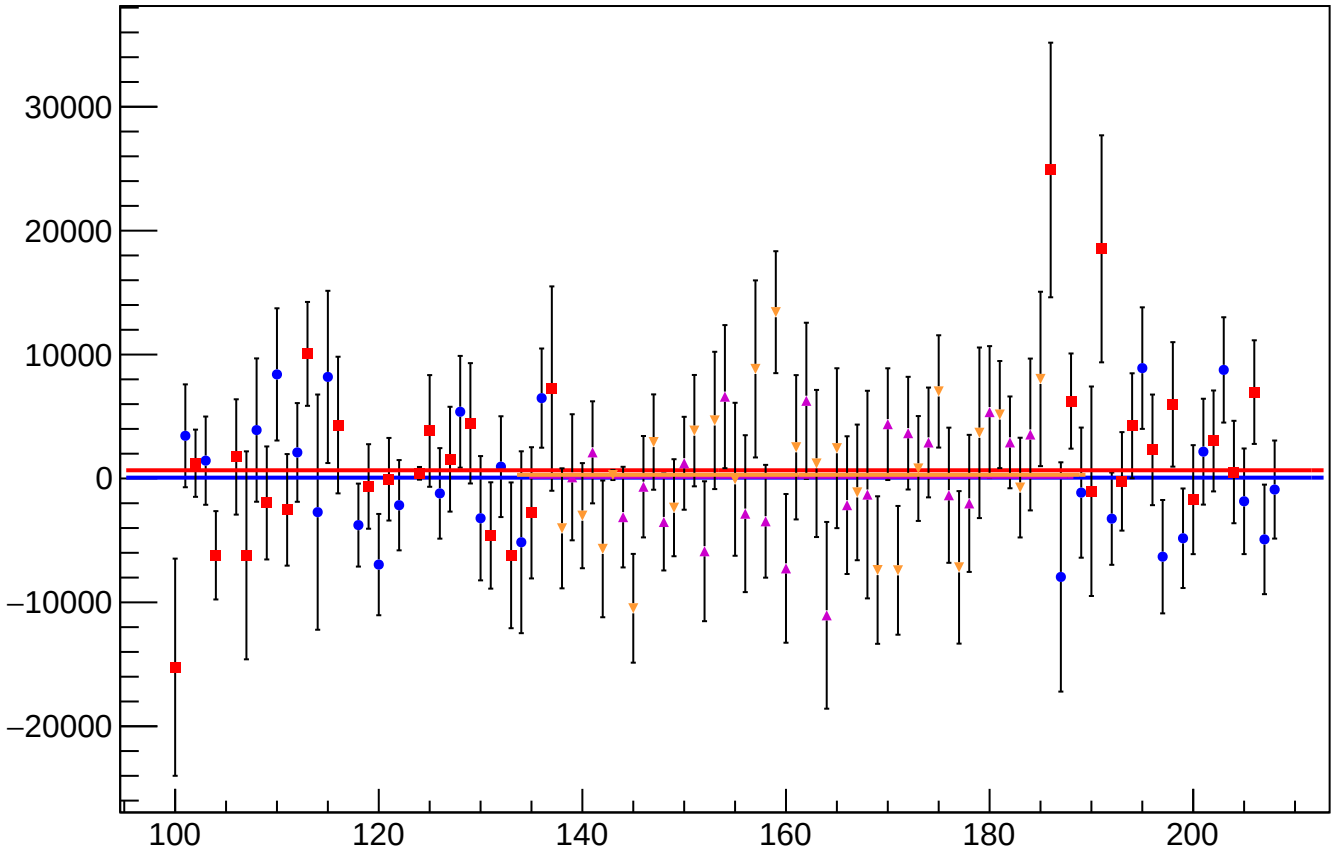
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.286+/-0.222 χ^2/NDF: 1314886.3/57

In: 1798.622+/-0.219 χ^2/NDF:781966.2/49

Out: 1810.786+/-0.216 χ^2/NDF:998816.7/55

All: 1804.778+/-0.154 χ^2/NDF: 1782346.2/10



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 661.480+/-434.822 χ^2/NDF: 36.0/30

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

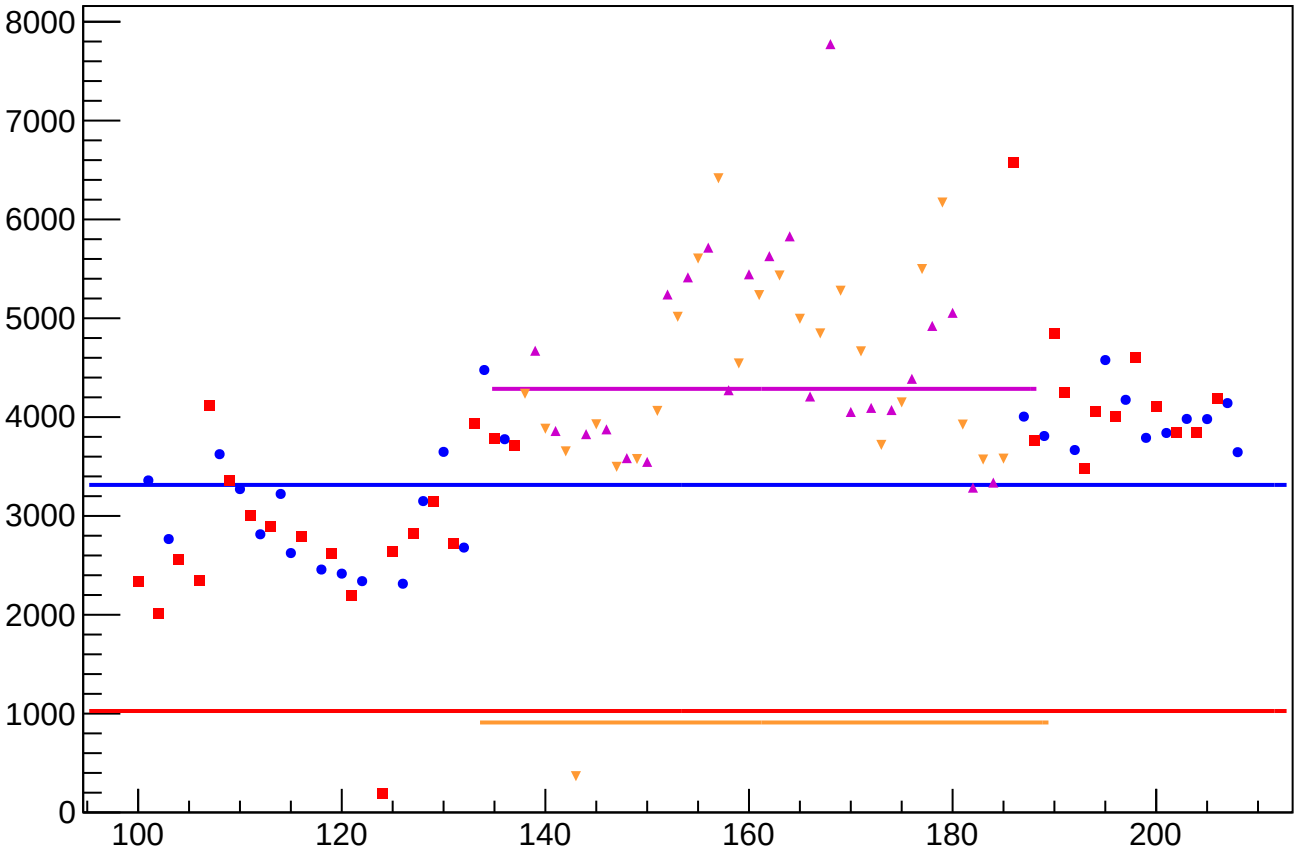
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 538.363+/-387.295 χ^2/NDF: 65.7/57

In: 95.436+/-654.645 χ^2/NDF:43.2/49

Out: 453.846+/-286.111 χ^2/NDF:66.4/55

All: 396.365+/-262.166 χ^2/NDF: 109.9/105



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

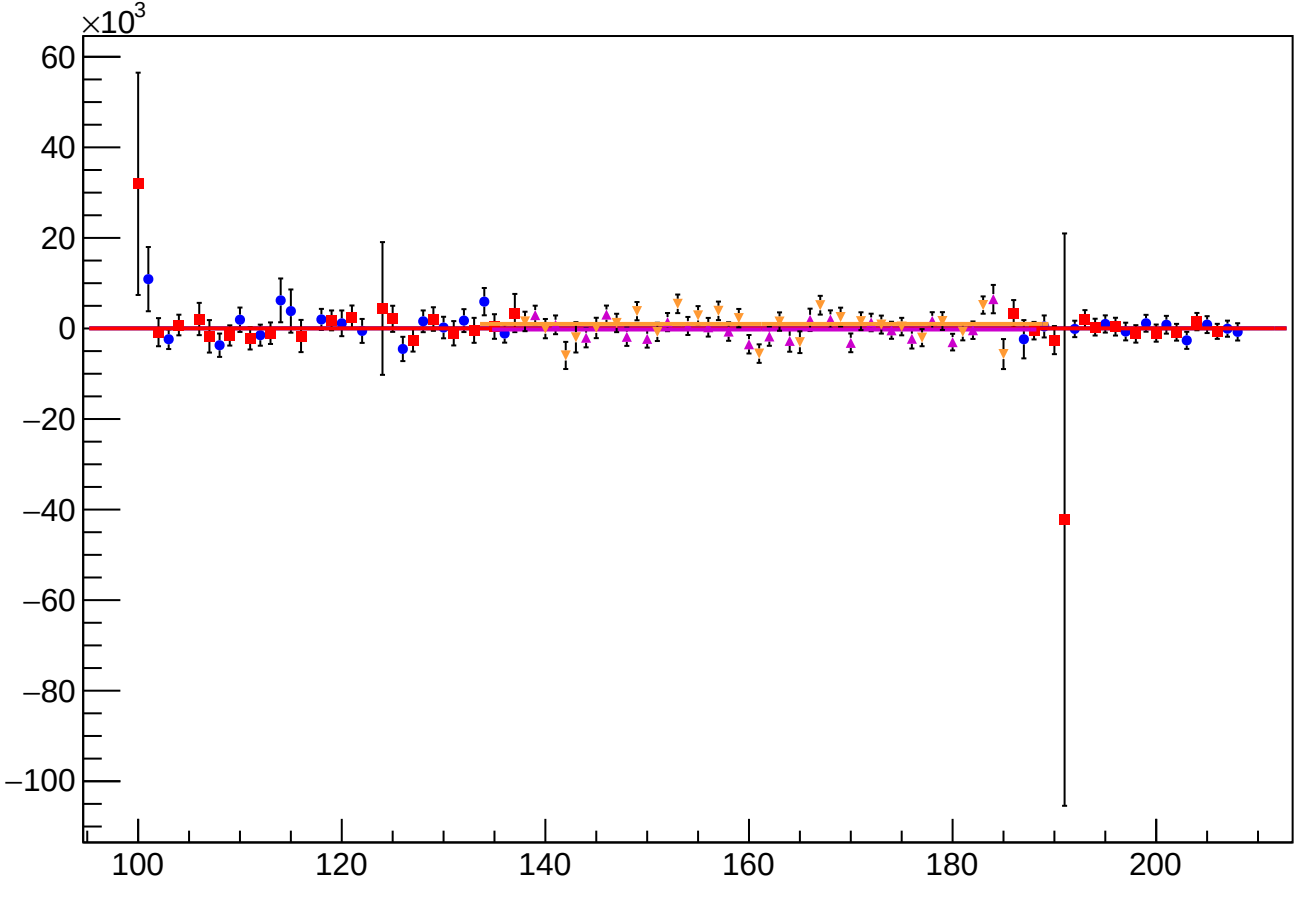
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1499.144+/-0.274 χ^2/NDF: 33860159.8/57

In: 3711.977+/-0.463 χ^2/NDF:3646422.5/49

Out: 960.544+/-0.202 χ^2/NDF:48022498.9/55

All: 1401.811+/-0.185 χ^2/NDF: 81332285.3/



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 17.268+/-443.737 χ^2/NDF: 14.0/30

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

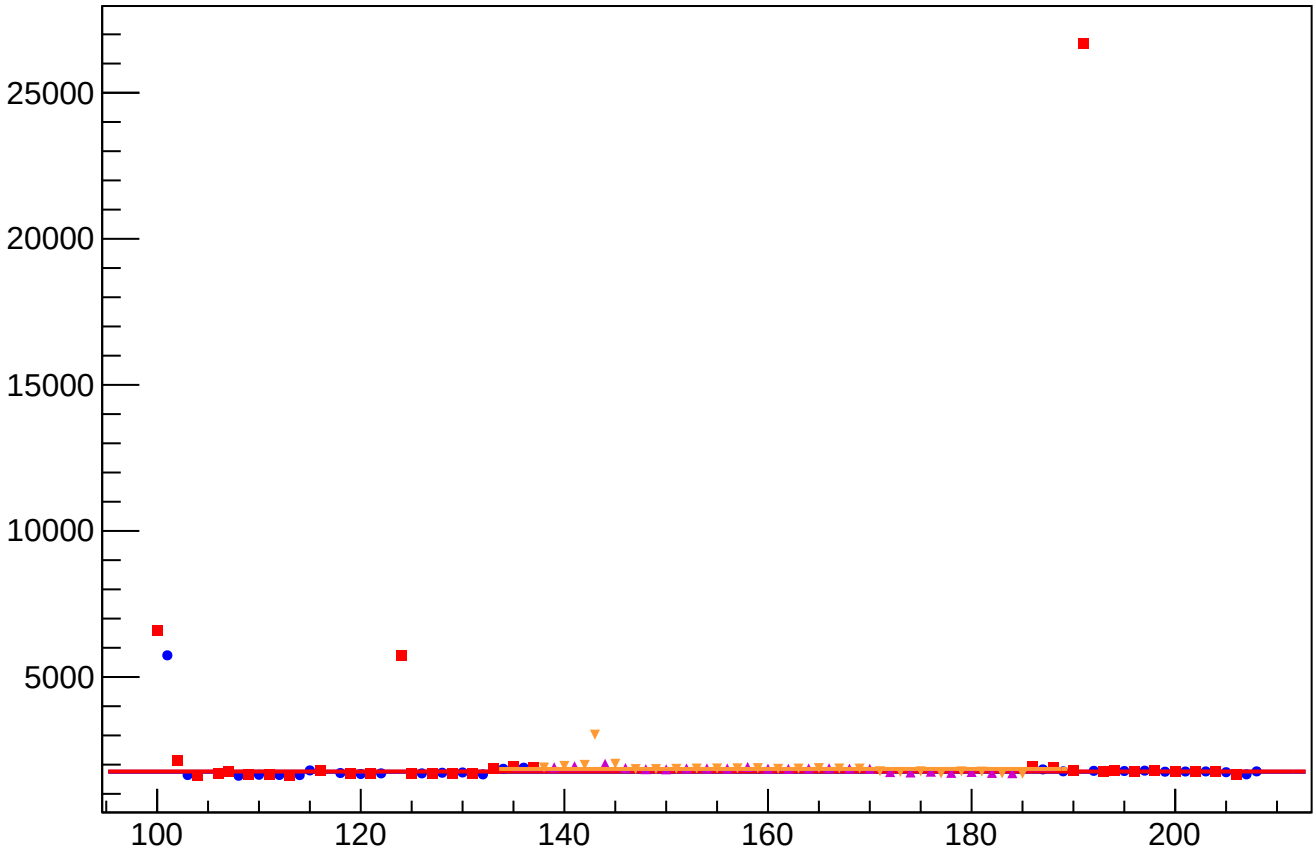
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 25.902+/-314.632 χ^2/NDF: 35.3/57

In: -102.268+/-309.508 χ^2/NDF:47.8/49

Out: 534.780+/-306.016 χ^2/NDF:64.0/55

All: 219.869+/-217.610 χ^2/NDF: 114.0/105



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

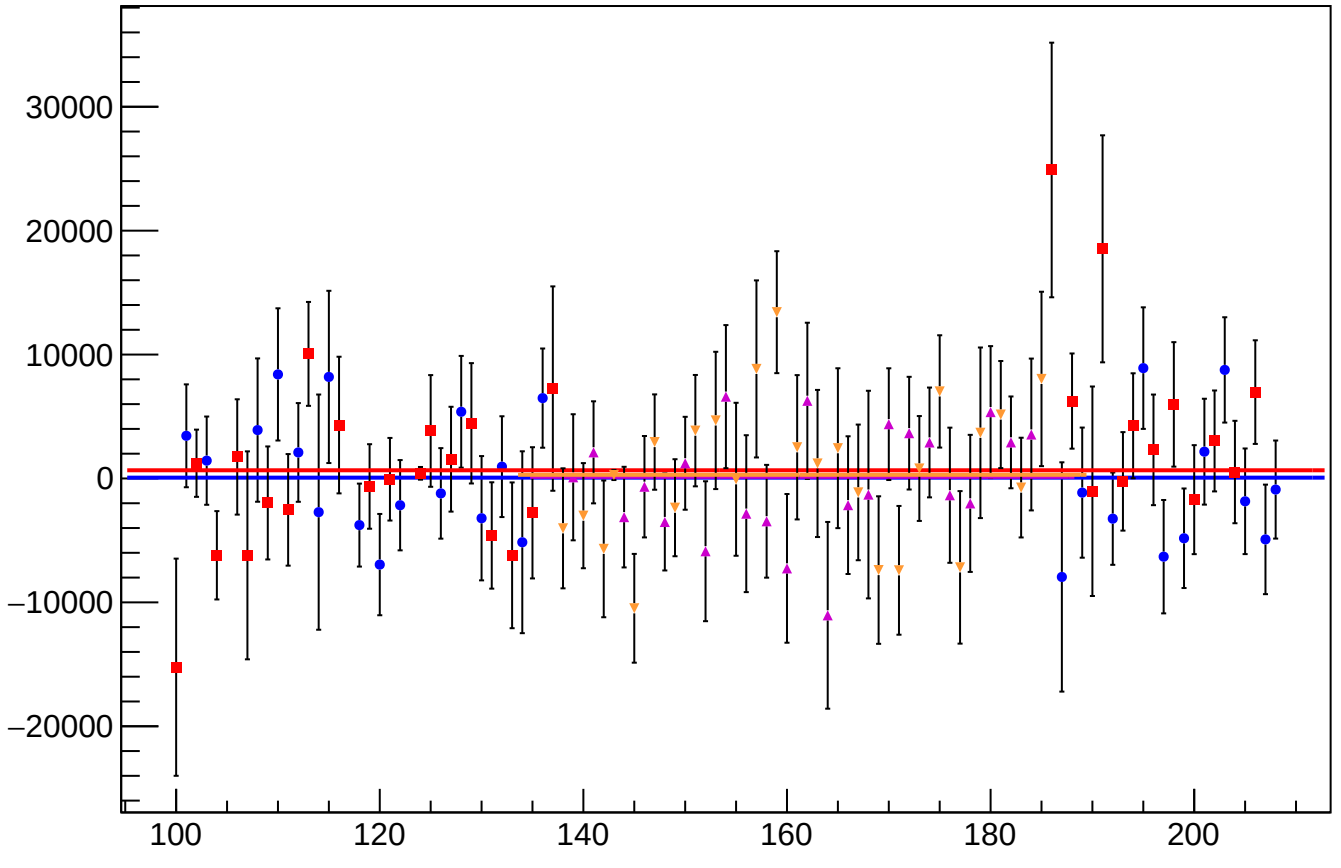
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.286+/-0.222 χ^2/NDF: 1314886.3/57

In: 1798.622+/-0.219 χ^2/NDF:781966.2/49

Out: 1810.786+/-0.216 χ^2/NDF:998816.7/55

All: 1804.778+/-0.154 χ^2/NDF: 1782346.2/10



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 661.480+/-434.822 χ^2/NDF: 36.0/30

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

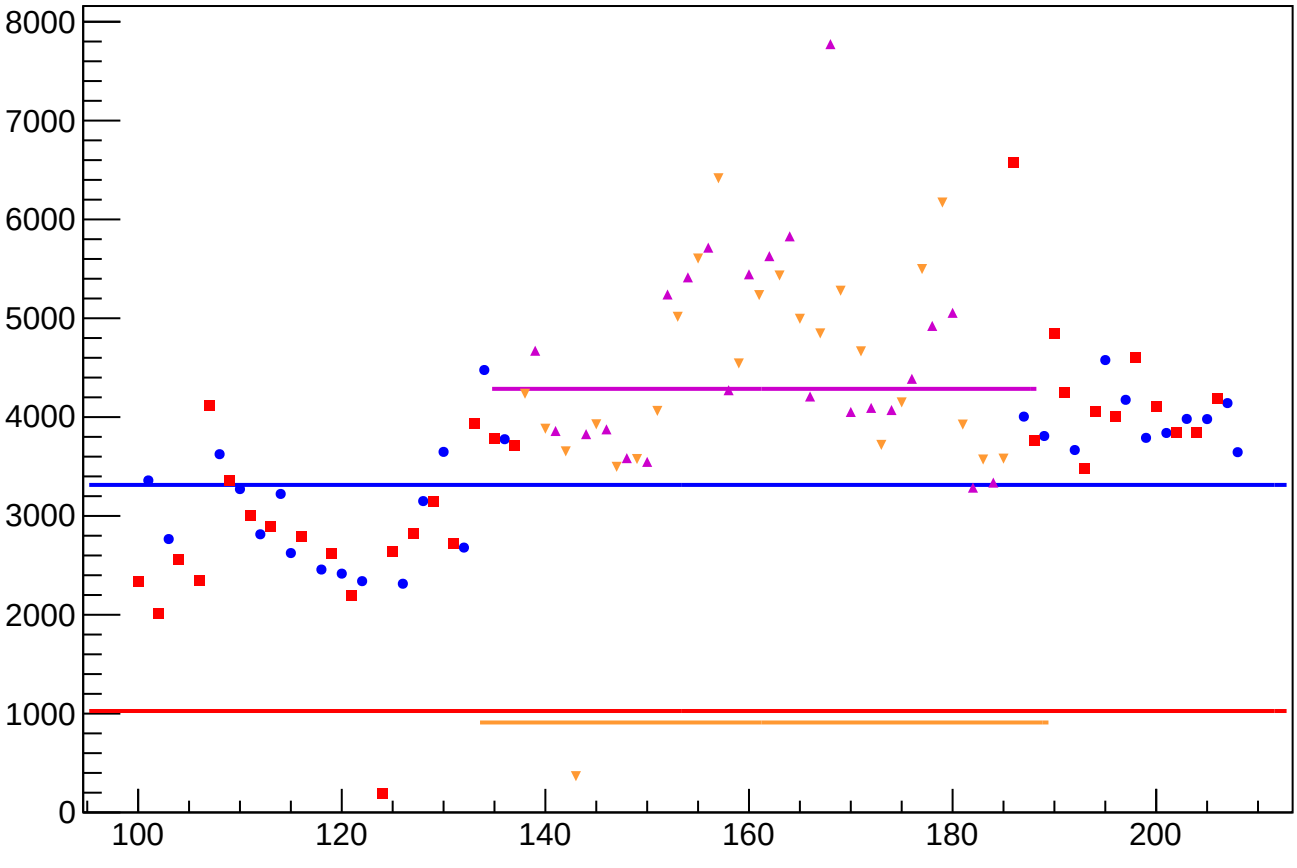
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 538.363+/-387.295 χ^2/NDF: 65.7/57

In: 95.436+/-654.645 χ^2/NDF:43.2/49

Out: 453.846+/-286.111 χ^2/NDF:66.4/55

All: 396.365+/-262.166 χ^2/NDF: 109.9/105



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

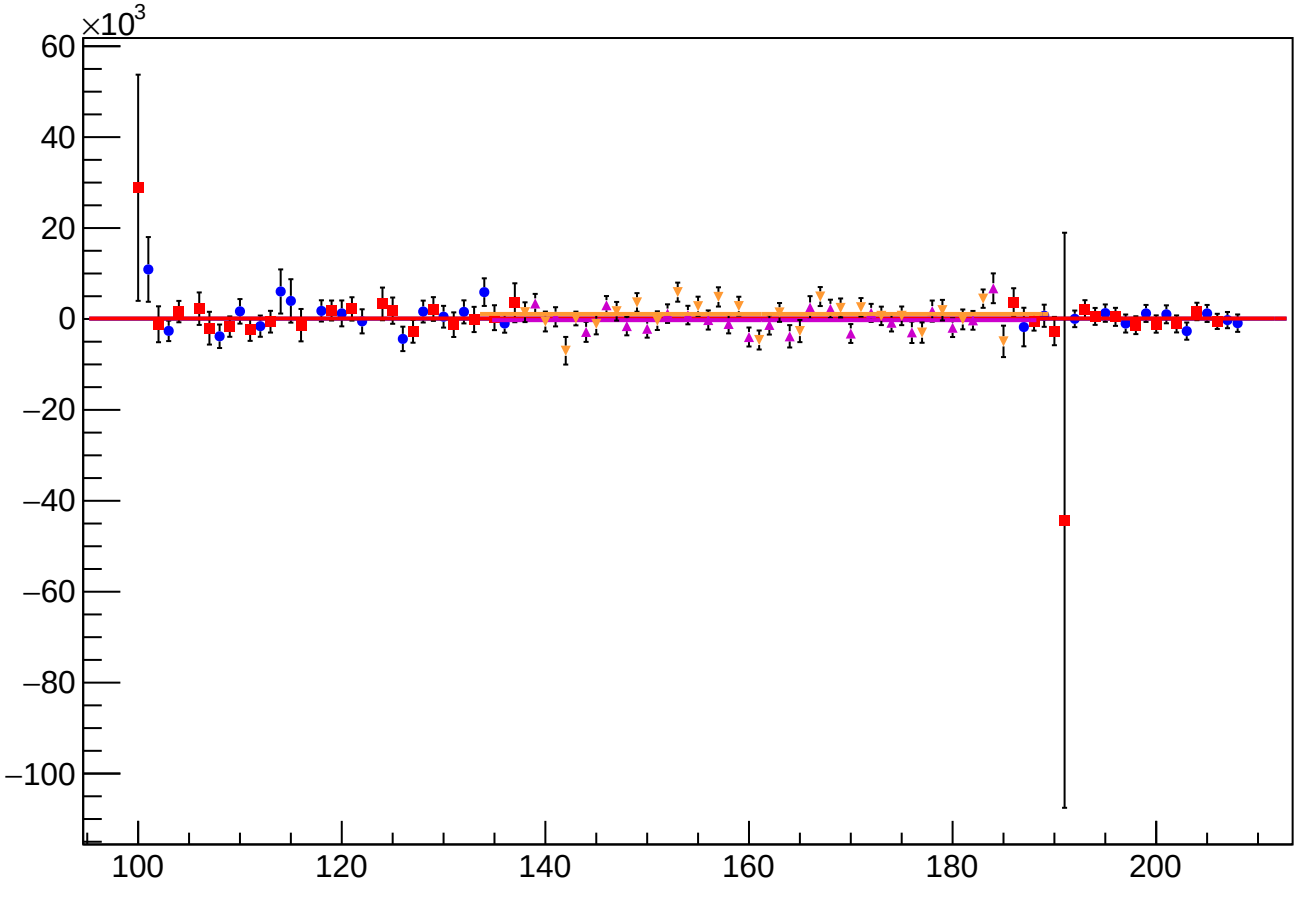
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1499.144+/-0.274 χ^2/NDF: 33860159.8/57

In: 3711.977+/-0.463 χ^2/NDF:3646422.5/49

Out: 960.544+/-0.202 χ^2/NDF:48022498.9/55

All: 1401.811+/-0.185 χ^2/NDF: 81332285.3/1



Right In: 61.135+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 99.798+/-445.014 χ^2/NDF: 15.8/30

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

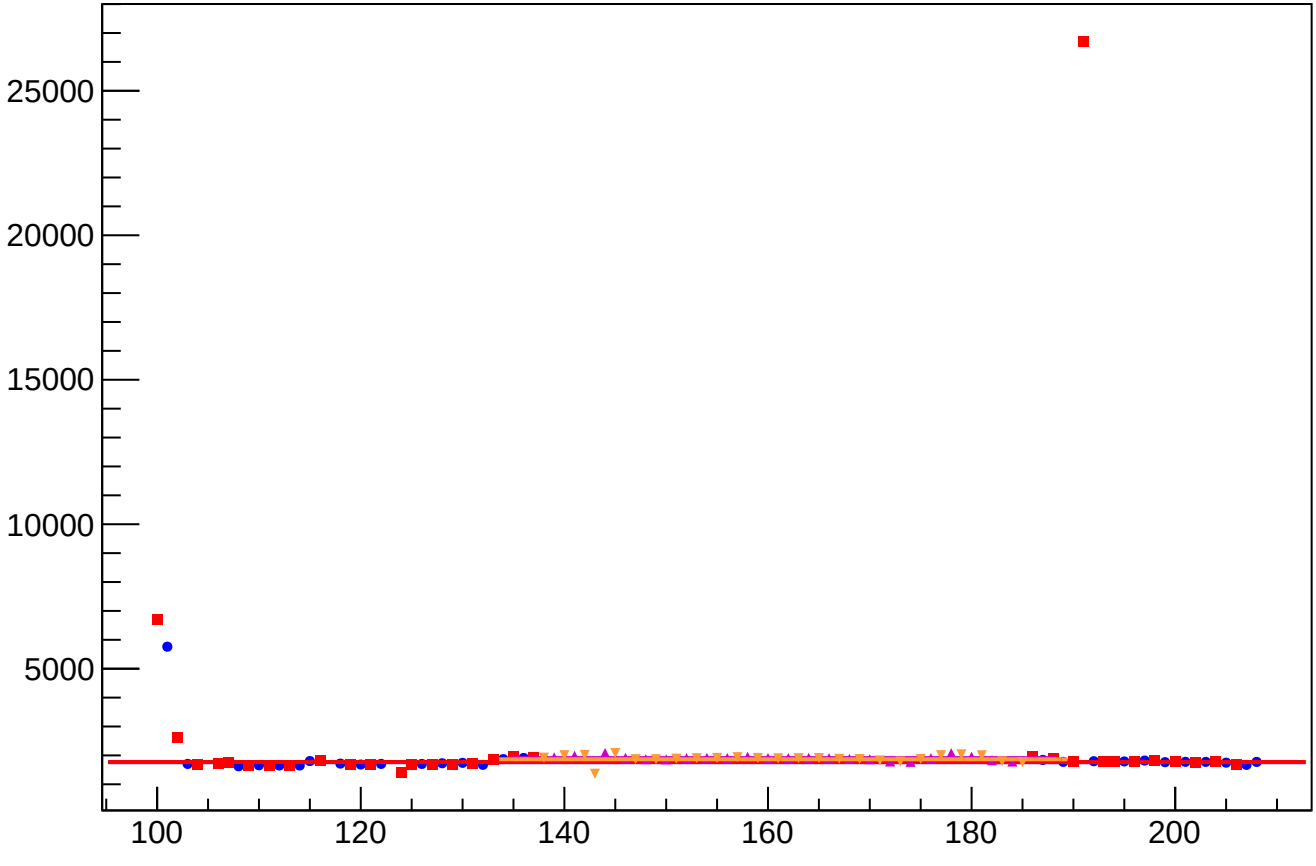
Right: 80.635+/-316.038 χ^2/NDF: 37.4/57

In: -103.029+/-316.159 χ^2/NDF:49.6/49

Out: 624.249+/-307.473 χ^2/NDF:63.3/55

All: 270.737+/-220.423 χ^2/NDF: 115.5/105

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

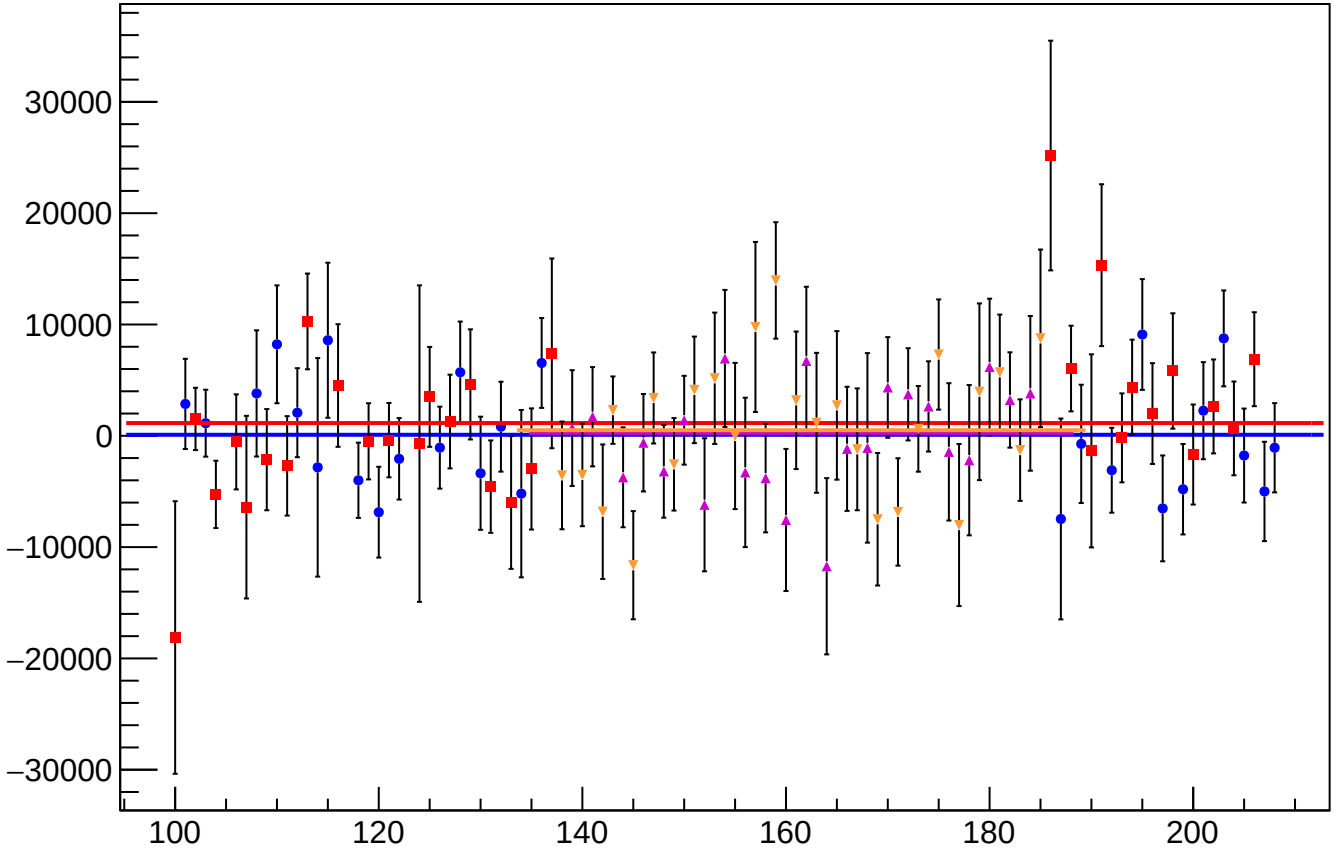
Right: 1768.145+/-0.223 χ^2/NDF: 1245658.8/57

In: 1836.499+/-0.224 χ^2/NDF:826889.6/49

Out: 1819.496+/-0.217 χ^2/NDF:910892.2/55

All: 1827.755+/-0.156 χ^2/NDF: 1740756.2/10

asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 92.234+/-847.686 χ^2/NDF: 29.0/26

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 1146.343+/-819.187 χ^2/NDF: 34.6/30

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

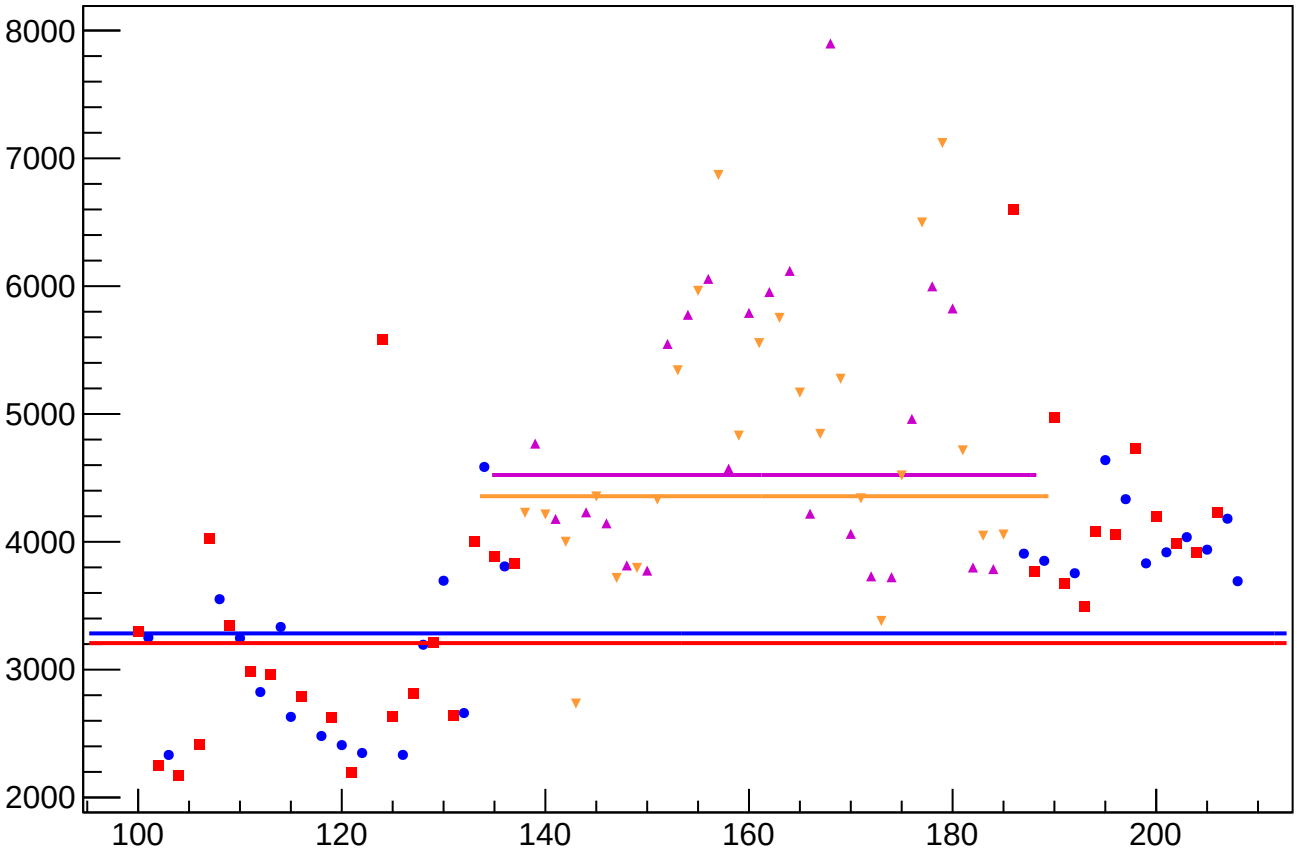
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 637.305+/-589.070 χ^2/NDF: 64.5/57

In: 156.486+/-667.146 χ^2/NDF:42.6/49

Out: 895.087+/-639.116 χ^2/NDF:64.9/55

All: 541.628+/-461.514 χ^2/NDF: 108.2/105



Right In: 3283.550+/-0.599 χ^2/NDF: 1470612.2/26

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3207.735+/-0.579 χ^2/NDF: 2071805.0/30

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

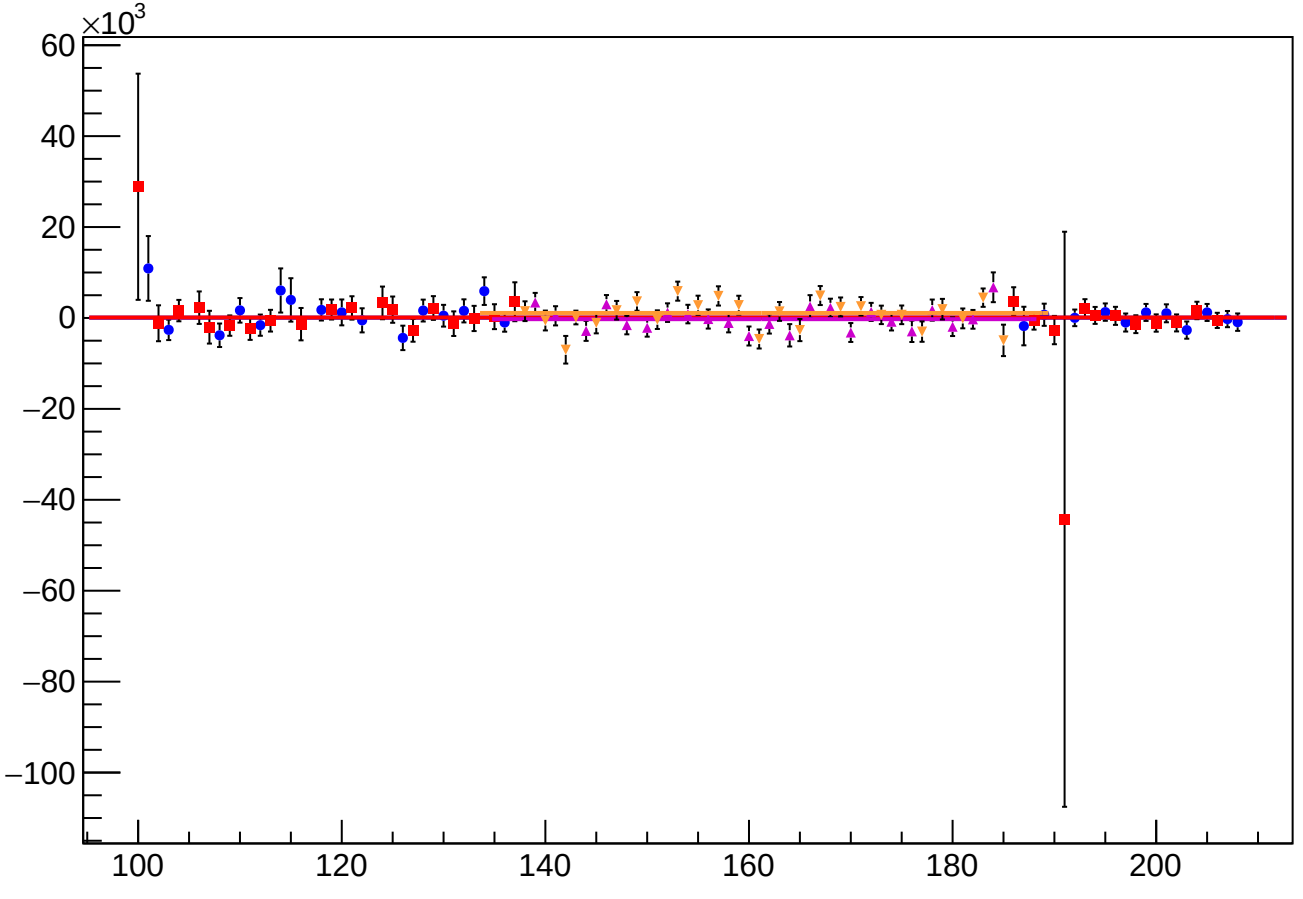
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3244.347+/-0.417 χ^2/NDF: 3550689.7/57

In: 3755.202+/-0.472 χ^2/NDF:4531430.2/49

Out: 3657.319+/-0.452 χ^2/NDF:5523560.7/55

All: 3704.161+/-0.326 χ^2/NDF: 10077440.7/1



Right In: 61.134+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 99.797+/-445.014 χ^2/NDF: 15.8/30

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

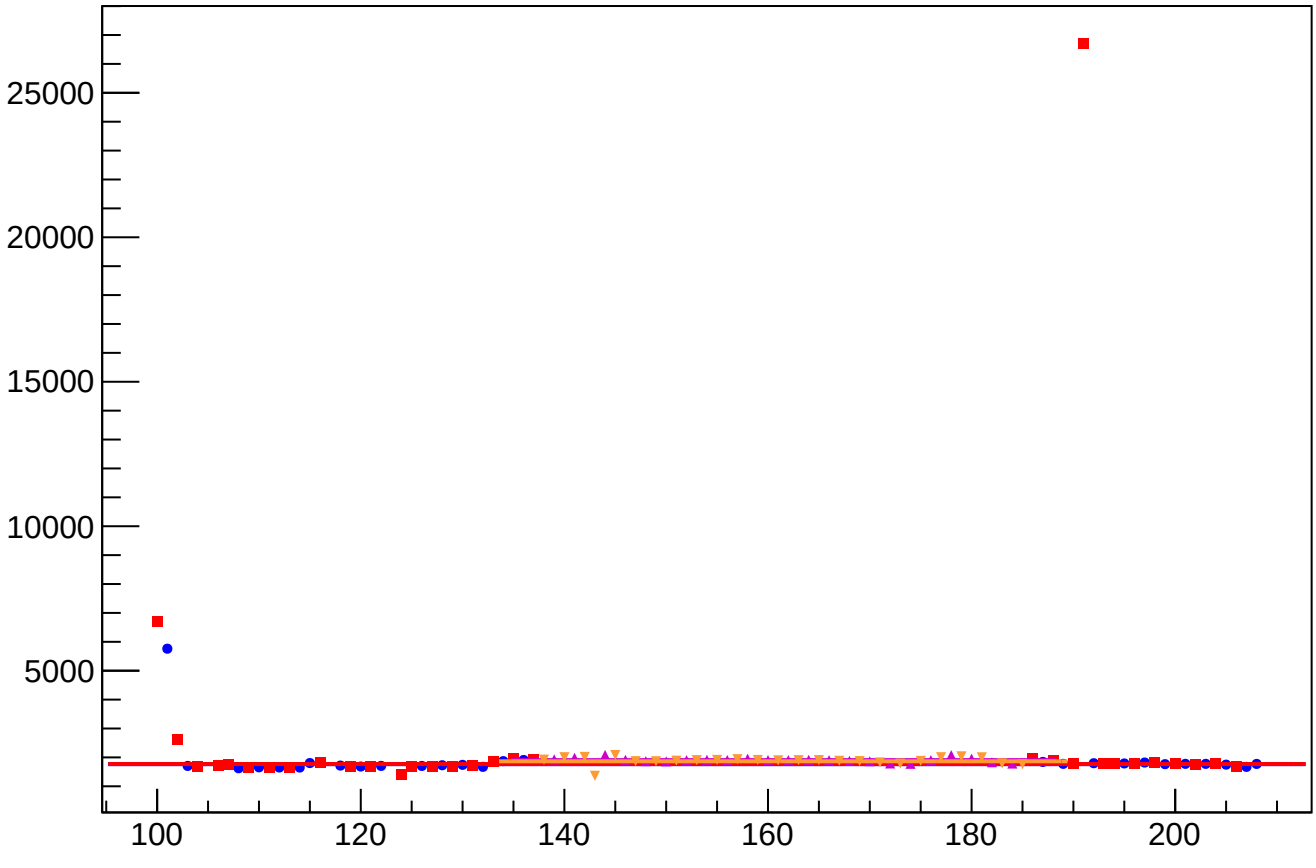
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 80.634+/-316.038 χ^2/NDF: 37.4/57

In: -103.030+/-316.159 χ^2/NDF:49.6/49

Out: 624.249+/-307.474 χ^2/NDF:63.3/55

All: 270.737+/-220.423 χ^2/NDF: 115.5/105



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

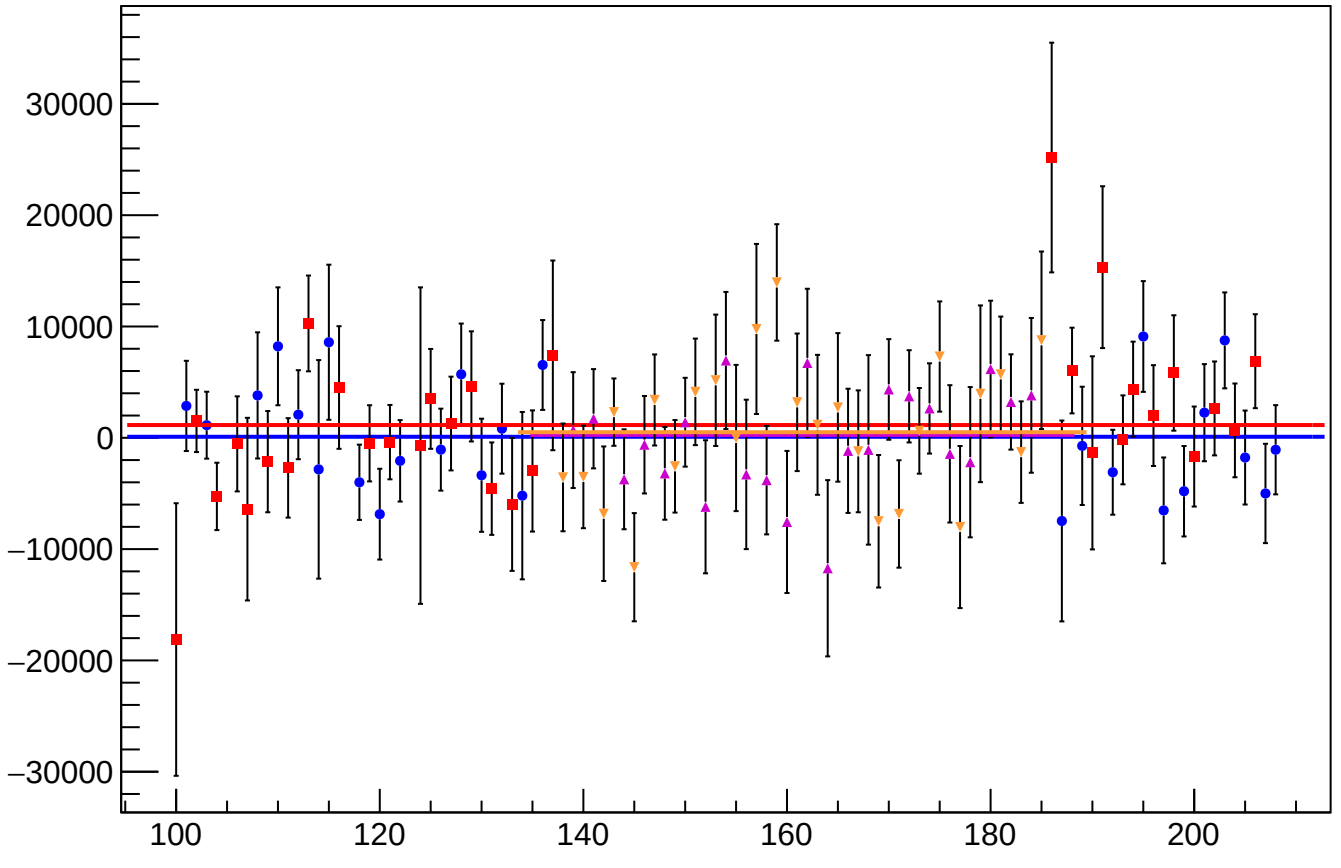
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1768.145+/-0.223 χ^2/NDF: 1245658.8/57

In: 1836.499+/-0.224 χ^2/NDF:826893.2/49

Out: 1819.497+/-0.217 χ^2/NDF:910896.4/55

All: 1827.756+/-0.156 χ^2/NDF: 1740764.1/10



Right In: 92.232+/-847.685 χ^2/NDF: 29.0/26

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 1146.338+/-819.186 χ^2/NDF: 34.6/30

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

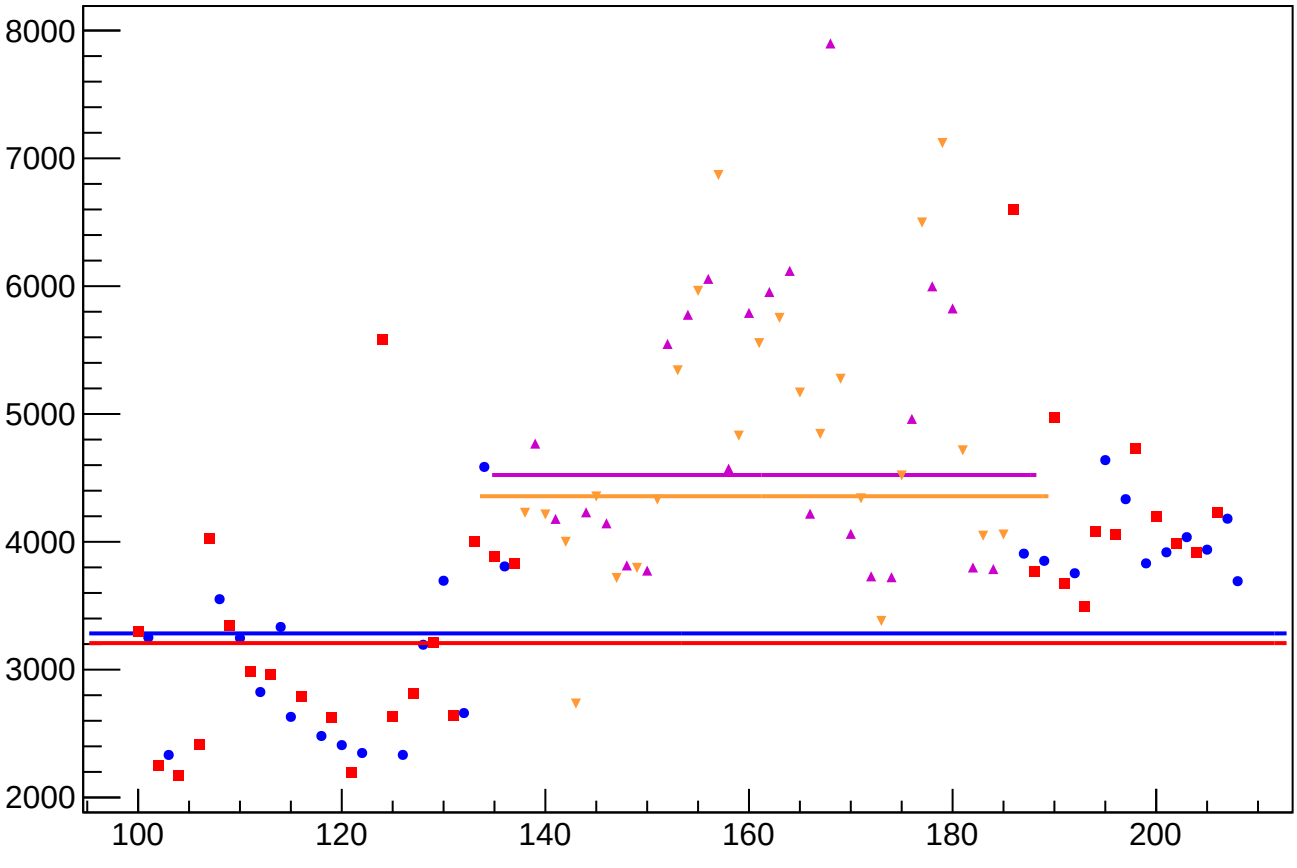
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 637.302+/-589.070 χ^2/NDF: 64.5/57

In: 156.484+/-667.146 χ^2/NDF:42.6/49

Out: 895.087+/-639.116 χ^2/NDF:64.9/55

All: 541.627+/-461.514 χ^2/NDF: 108.2/105



Right In: 3283.546+/-0.599 χ^2/NDF: 1470640.4/26

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3207.732+/-0.579 χ^2/NDF: 2071821.5/30

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

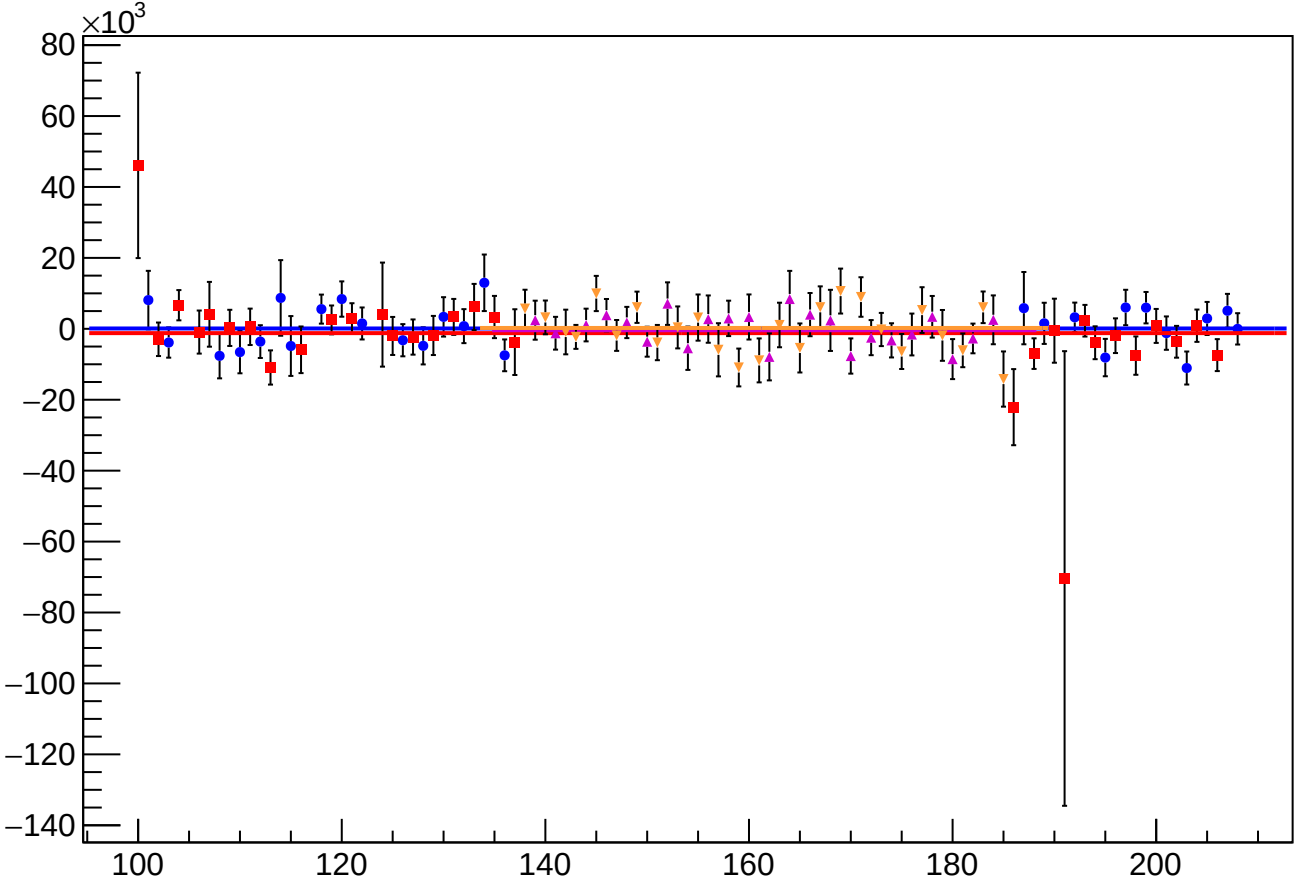
Right: 3244.343+/-0.417 χ^2/NDF: 3550734.2/57

In: 3755.201+/-0.472 χ^2/NDF:4531488.7/49

Out: 3657.319+/-0.452 χ^2/NDF:5523606.8/55

All: 3704.160+/-0.326 χ^2/NDF: 10077545.0/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 93.334+/-987.812 χ^2/NDF: 31.9/26

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -1215.486+/-974.581 χ^2/NDF: 28.4/30

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

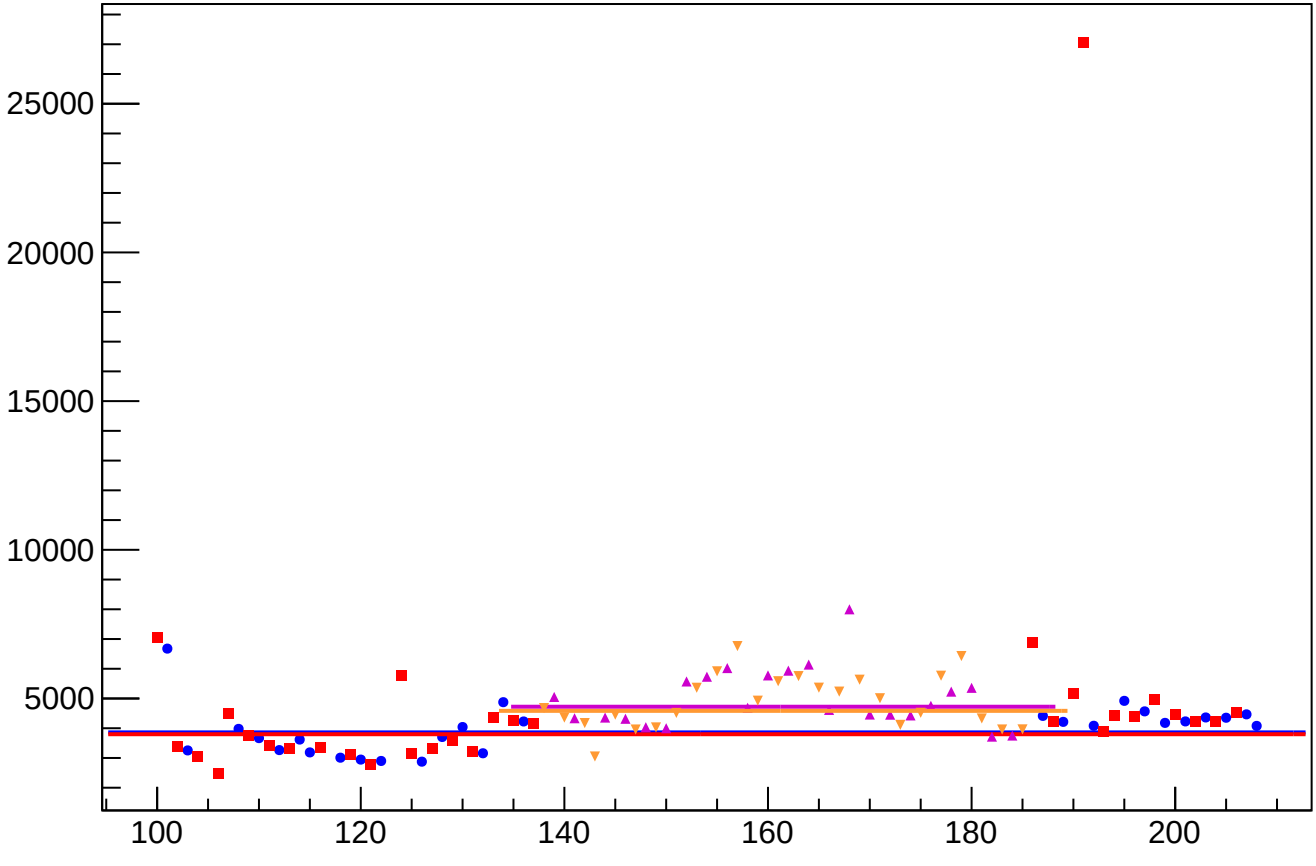
Right: -569.900+/-693.763 χ^2/NDF: 61.1/57

In: -121.303+/-741.220 χ^2/NDF:46.2/49

Out: -551.935+/-718.869 χ^2/NDF:61.6/55

All: -343.210+/-516.038 χ^2/NDF: 108.0/105

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3860.002+/-0.698 χ^2/NDF: 1000584.2/26

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3798.835+/-0.683 χ^2/NDF: 1415241.8/30

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

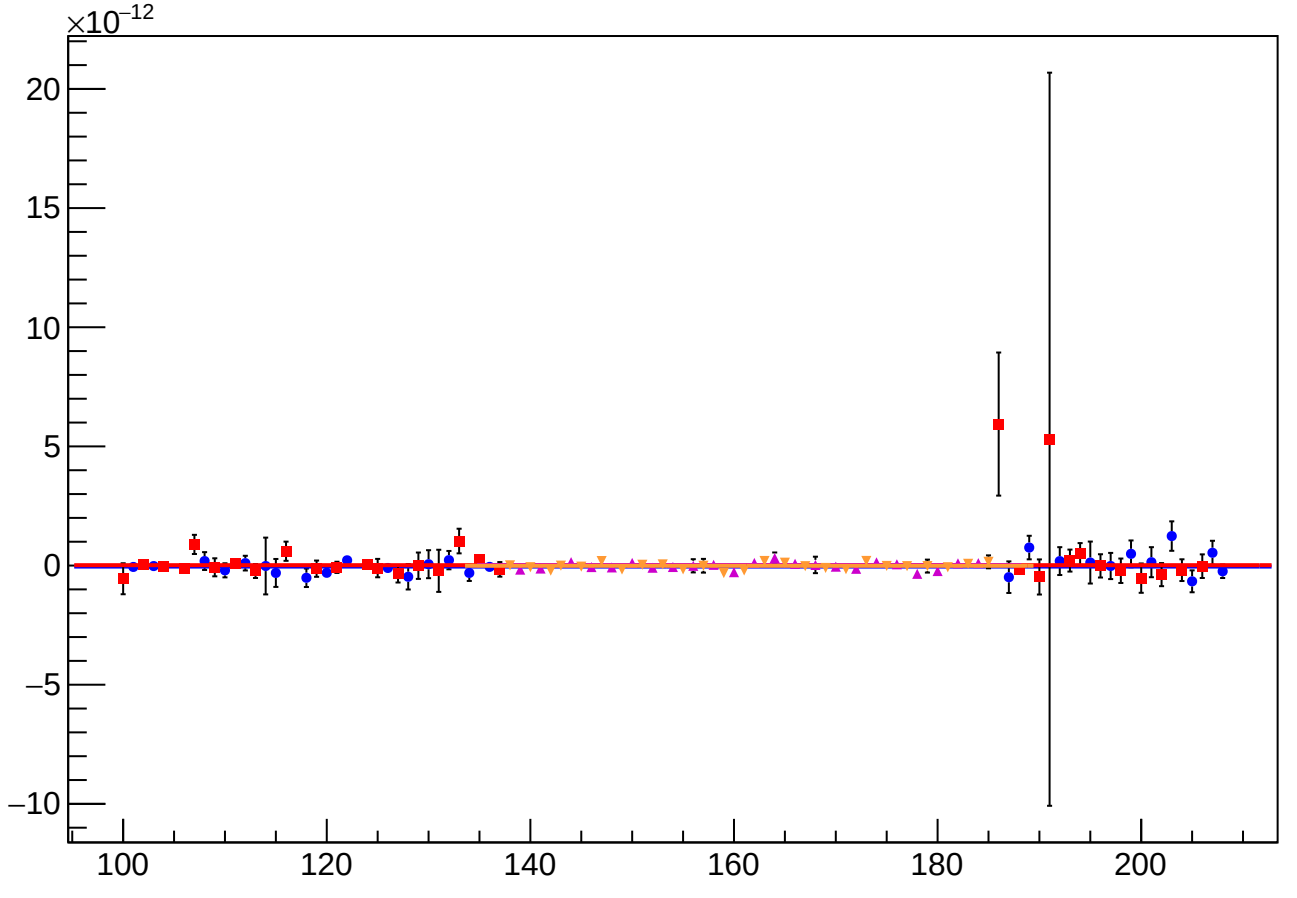
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3828.754+/-0.489 χ^2/NDF: 2419743.7/57

In: 4237.096+/-0.524 χ^2/NDF:2684232.5/49

Out: 4153.898+/-0.506 χ^2/NDF:3324256.0/55

All: 4194.037+/-0.364 χ^2/NDF: 6021529.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/30

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

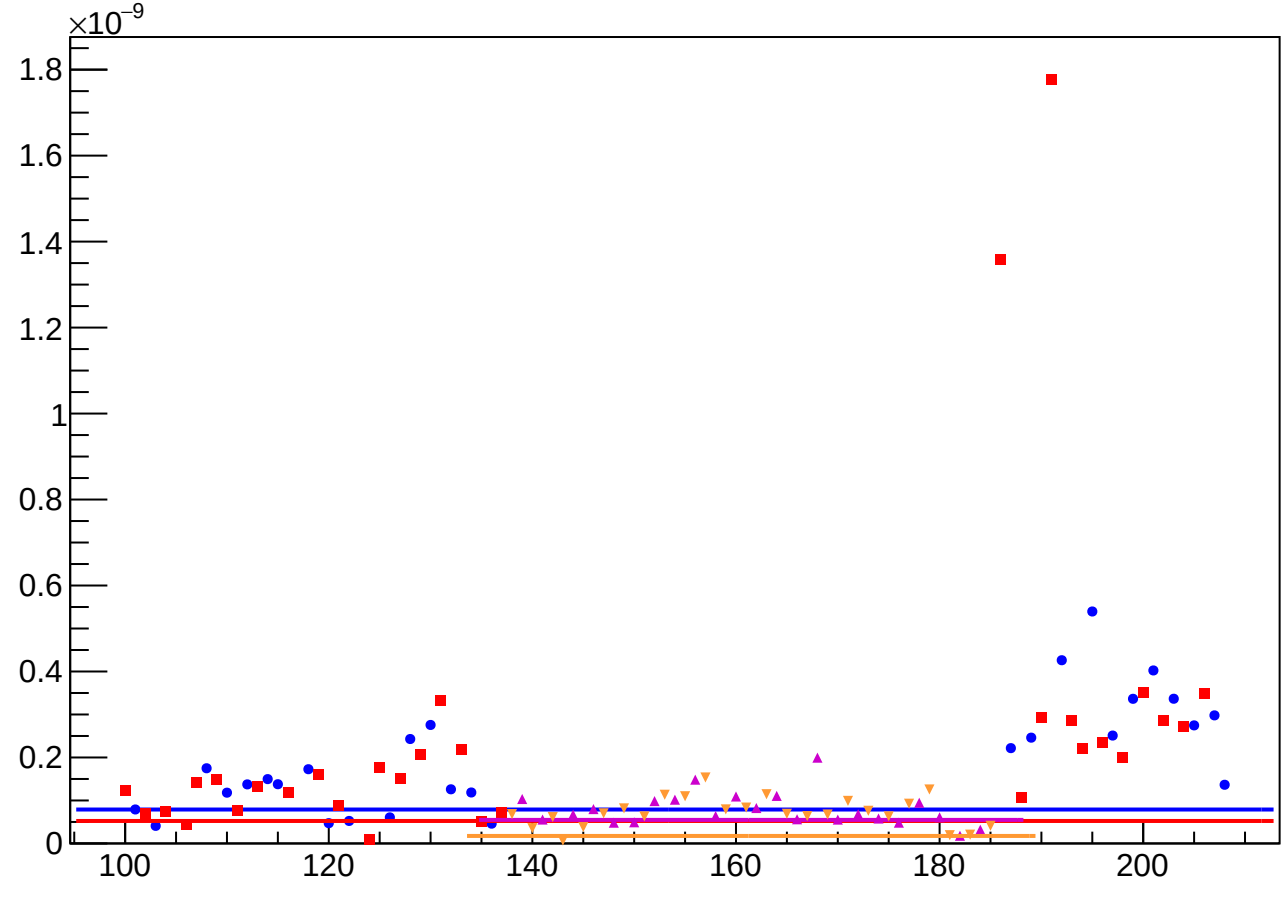
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 48.7/57

In: 0.000+/-0.000 χ^2/NDF:48.3/49

Out: -0.000+/-0.000 χ^2/NDF:50.0/55

All: -0.000+/-0.000 χ^2/NDF: 98.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 5575554.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7495093.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

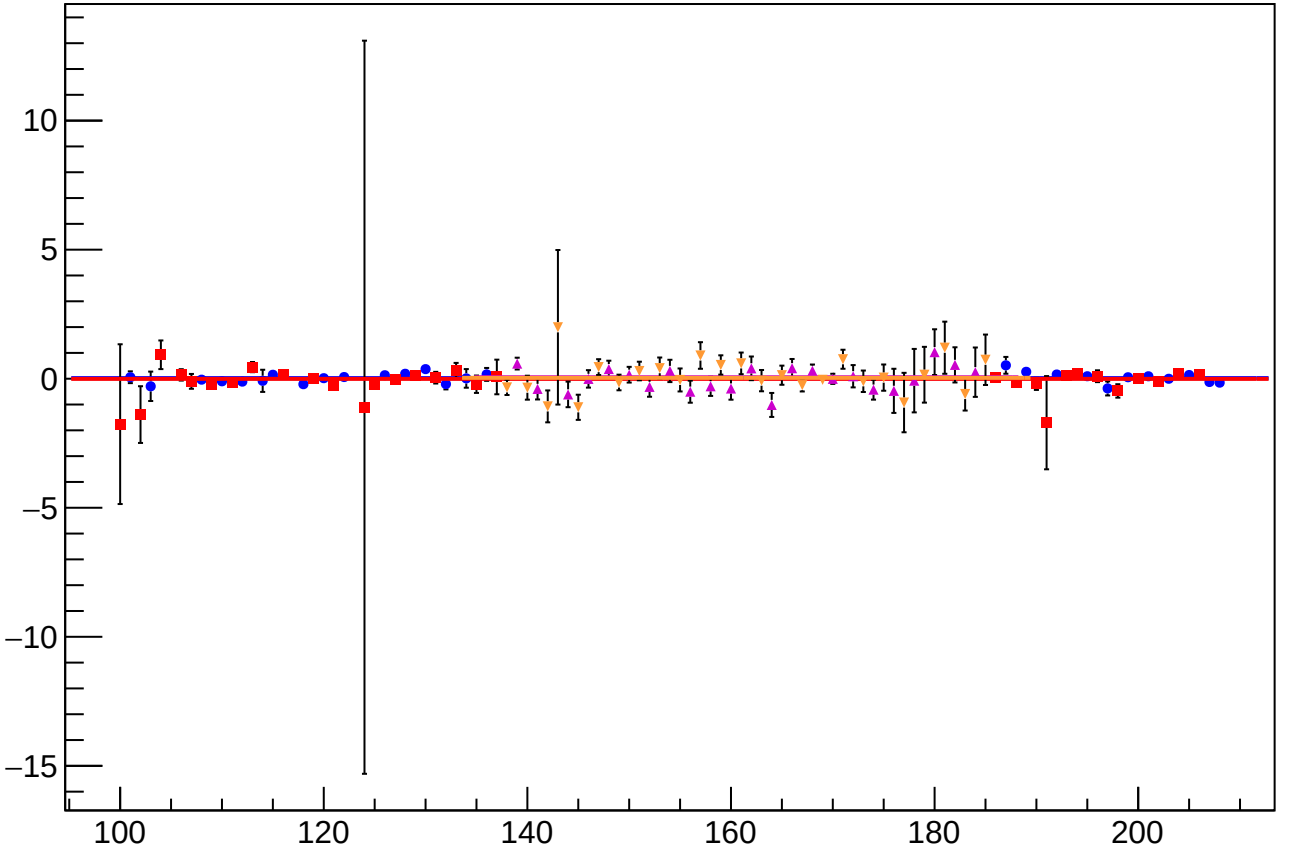
Right: 0.000+/-0.000 χ^2/NDF: 13542248.5/57

In: 0.000+/-0.000 χ^2/NDF:8862233.7/49

Out: 0.000+/-0.000 χ^2/NDF:18209235.8/55

All: 0.000+/-0.000 χ^2/NDF: 32795612.8/105

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

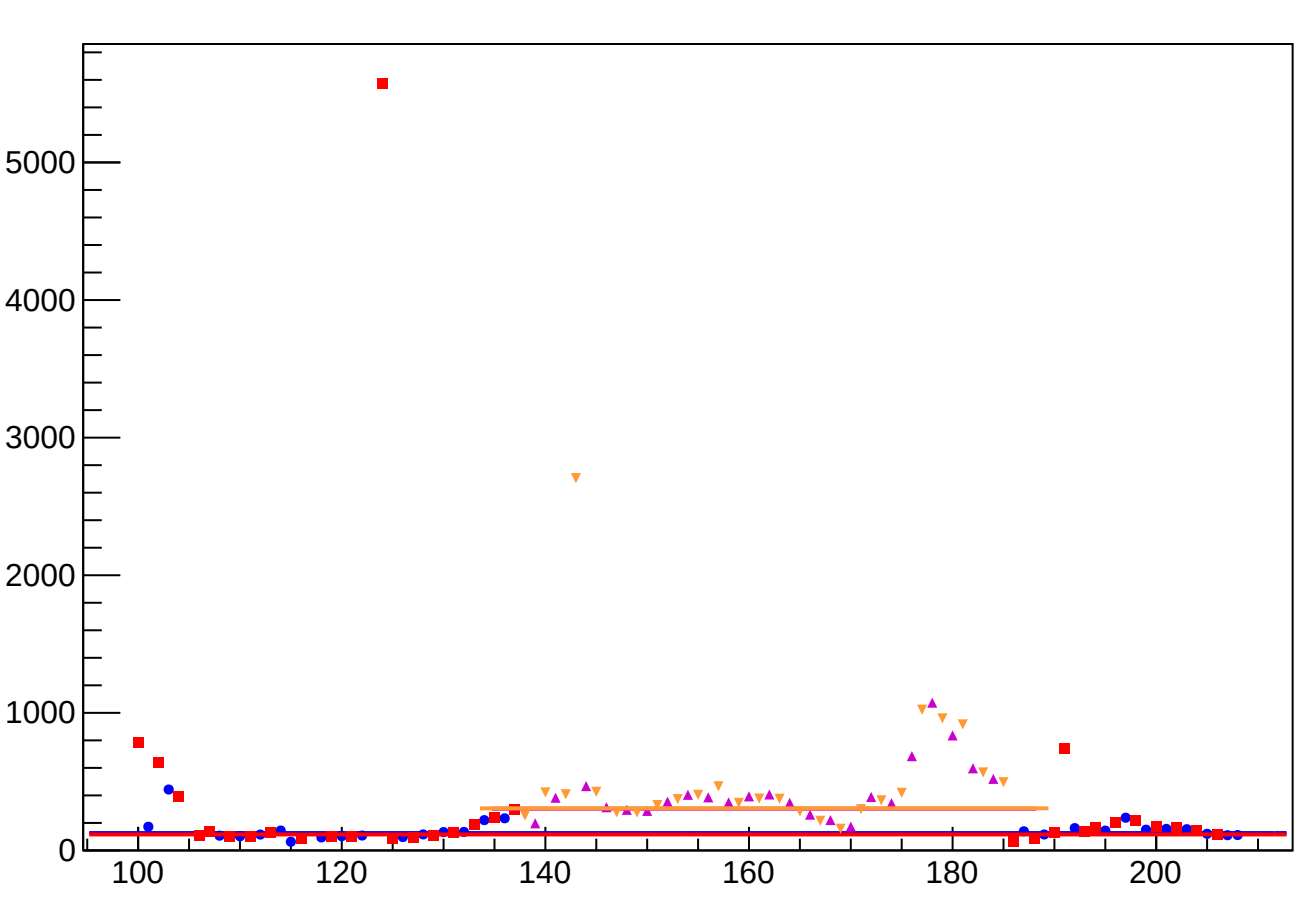
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.008+/-0.023 χ^2/NDF: 60.1/57

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.014+/-0.022 χ^2/NDF: 117.0/105



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

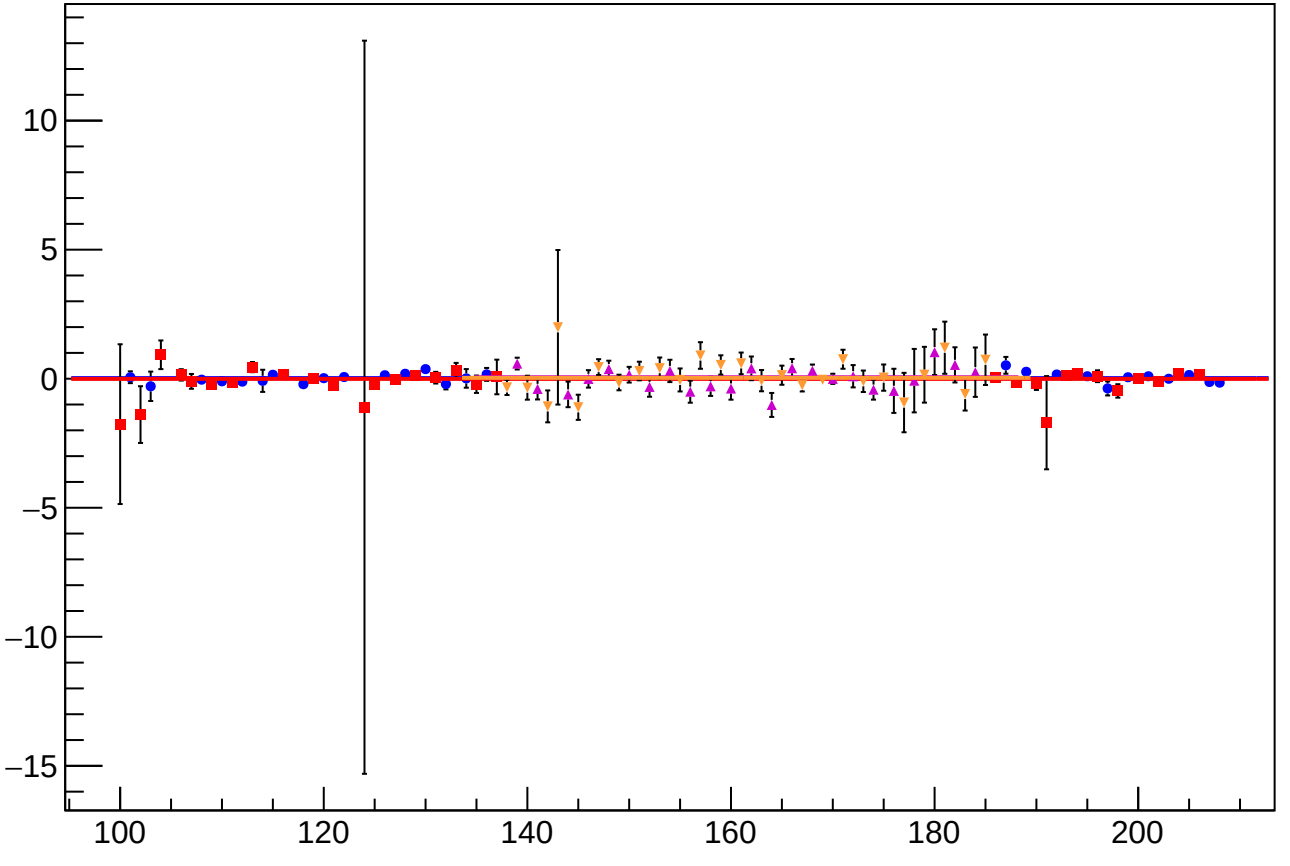
Right: 121.110+/-0.017 χ^2/NDF: 6921003.0/57

In: 155.015+/-0.022 χ^2/NDF:16065831.5/49

Out: 144.466+/-0.021 χ^2/NDF:21076642.4/55

All: 149.537+/-0.015 χ^2/NDF: 37261530.9/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

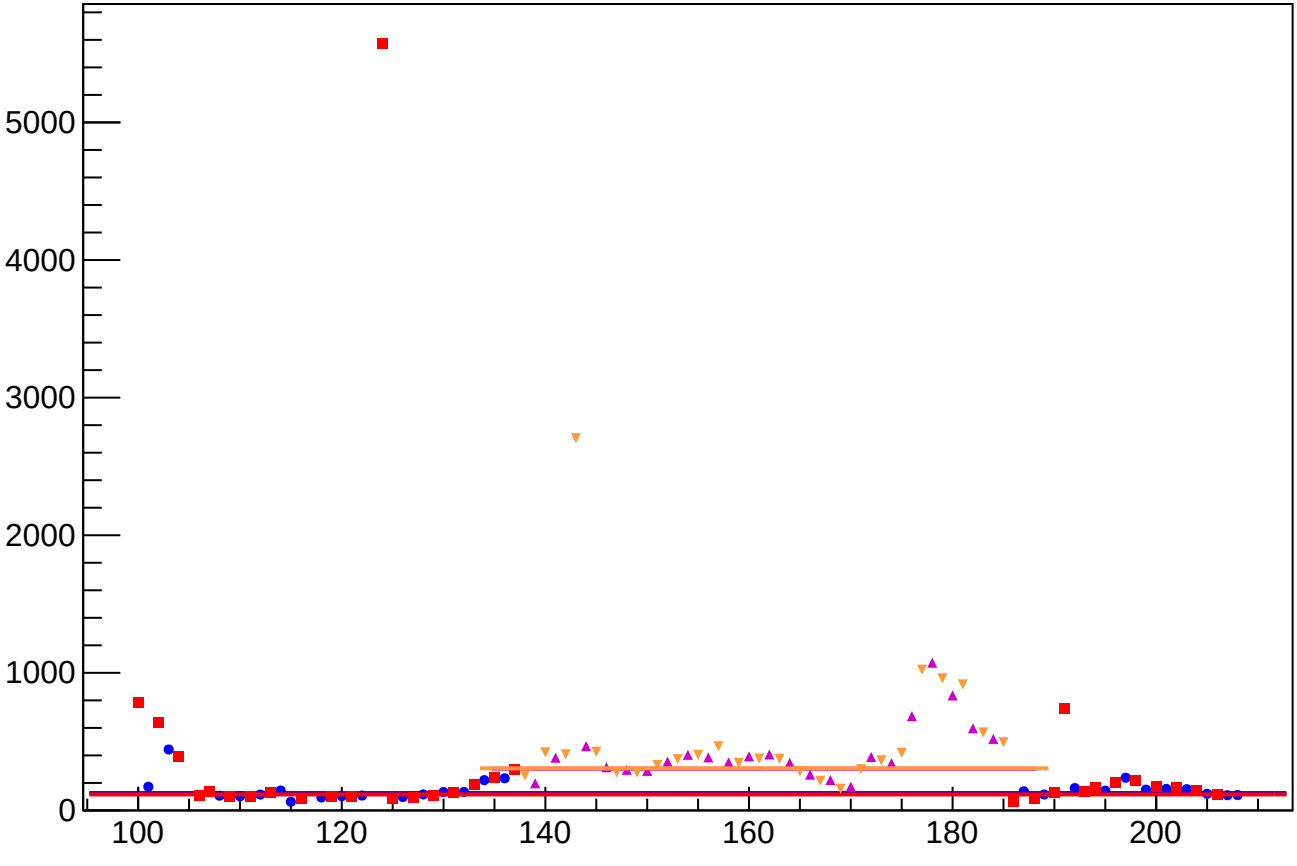
Right: 0.008+/-0.023 χ^2/NDF: 60.1/57

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.014+/-0.022 χ^2/NDF: 117.0/105

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

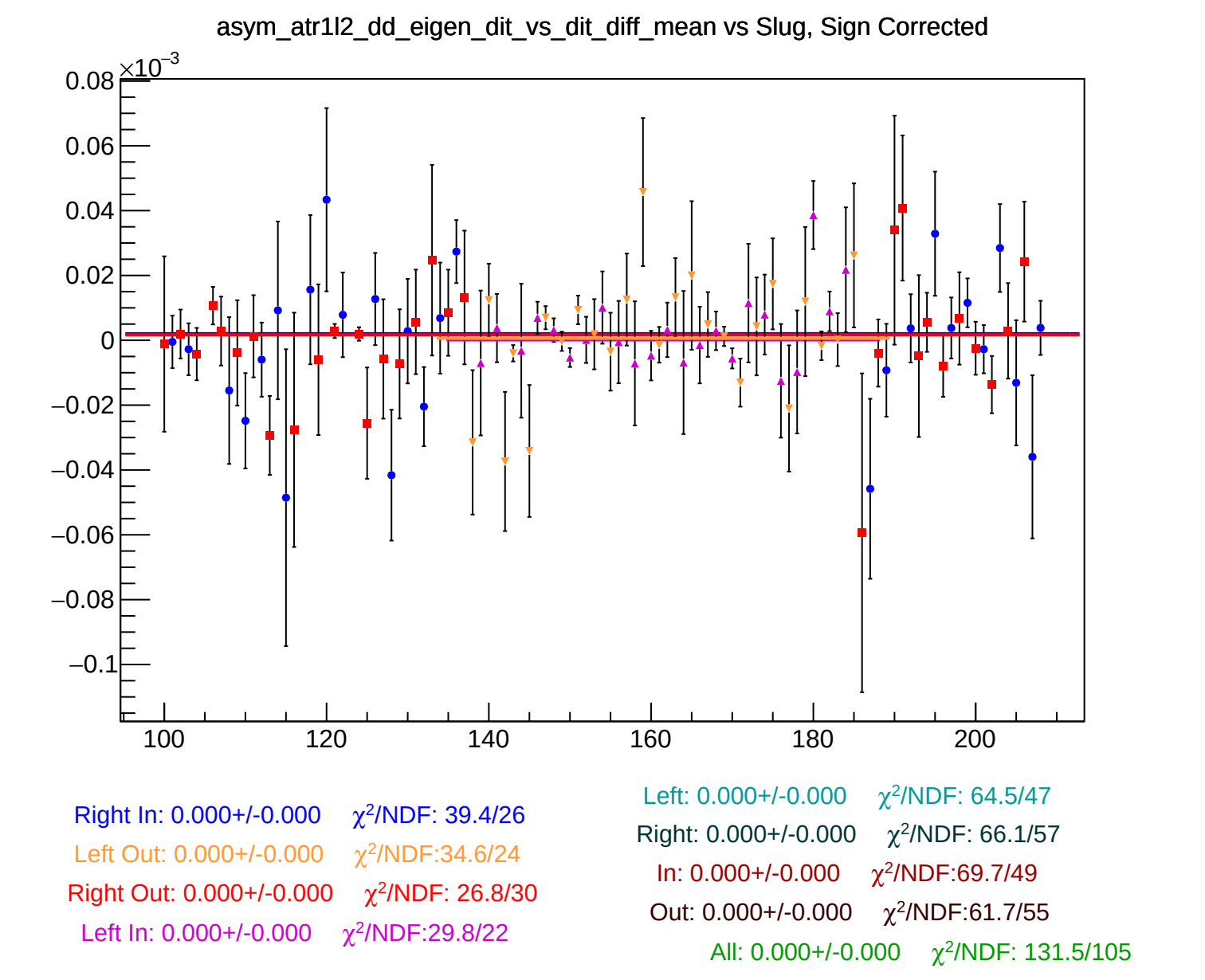
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

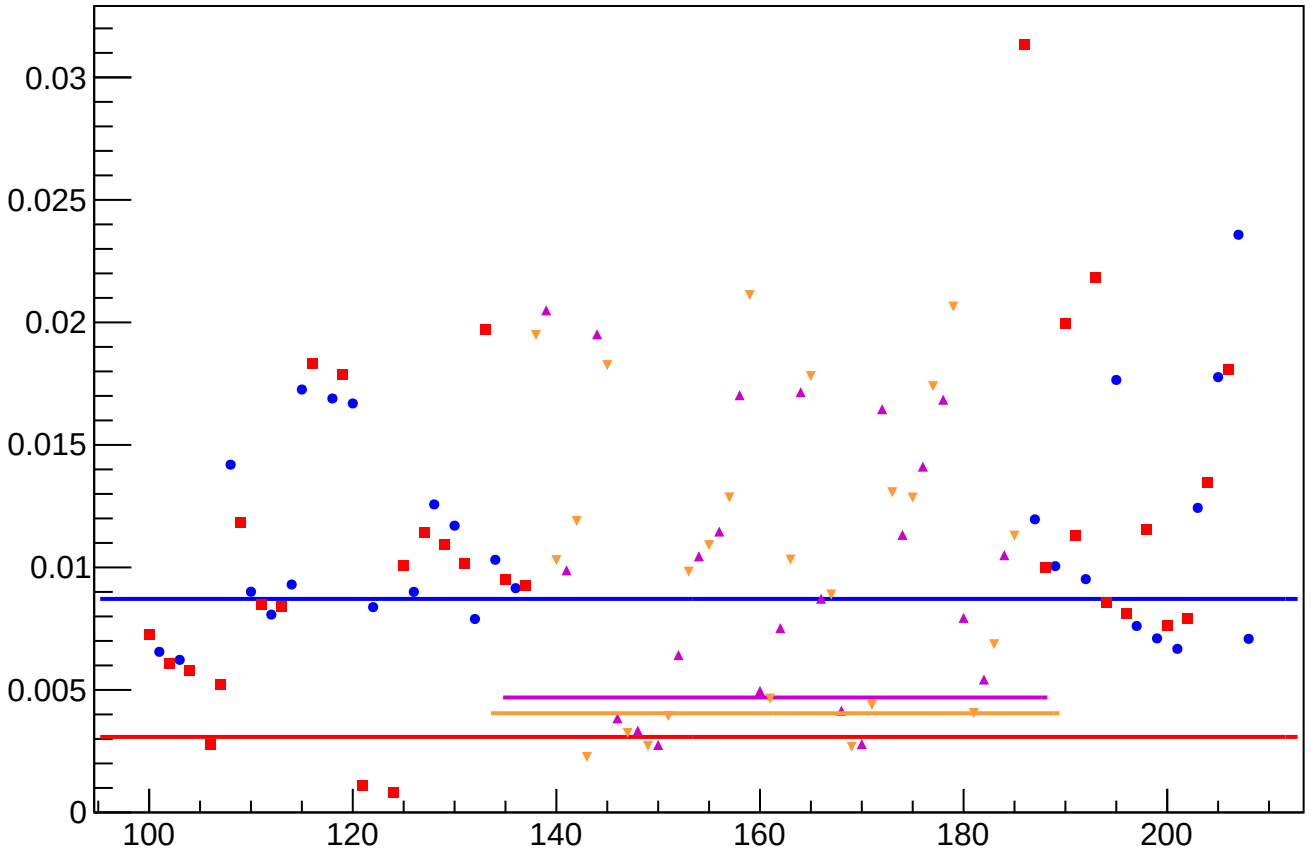
Right: 121.110+/-0.017 χ^2/NDF: 6921003.0/57

In: 155.015+/-0.022 χ^2/NDF:16065831.5/49

Out: 144.466+/-0.021 χ^2/NDF:21076642.4/55

All: 149.537+/-0.015 χ^2/NDF: 37261530.9/10


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.4/26
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.8/30
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: 66.1/57
In: 0.000+/-0.000 χ²/NDF:69.7/49
Out: 0.000+/-0.000 χ²/NDF:61.7/55
All: 0.000+/-0.000 χ²/NDF: 131.5/105



Right In: 0.009+/-0.000 χ^2/NDF: 3241140.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18978597.2/30

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

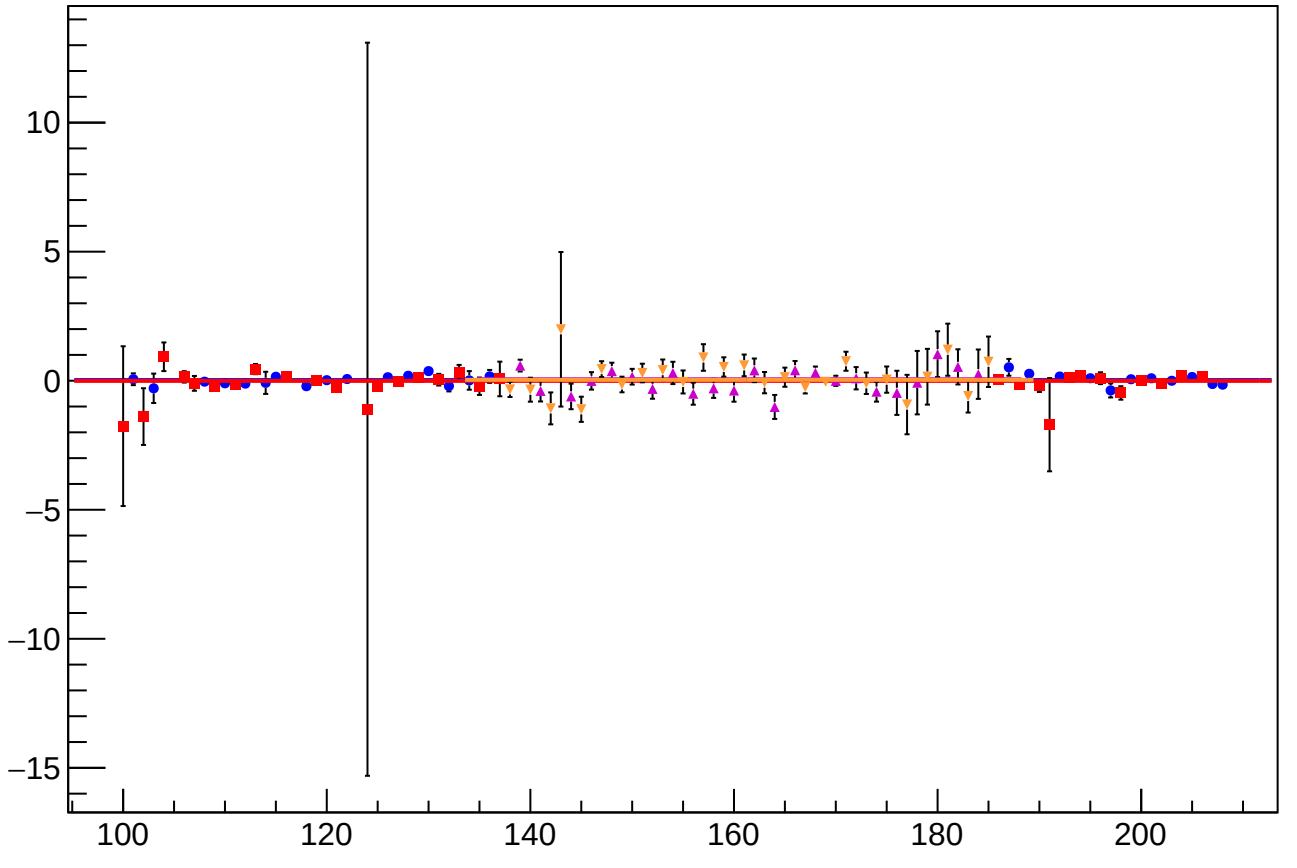
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 30998407.9/57

In: 0.006+/-0.000 χ^2/NDF:18350901.0/49

Out: 0.004+/-0.000 χ^2/NDF:33155030.5/55

All: 0.004+/-0.000 χ^2/NDF: 55655222.3/105



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

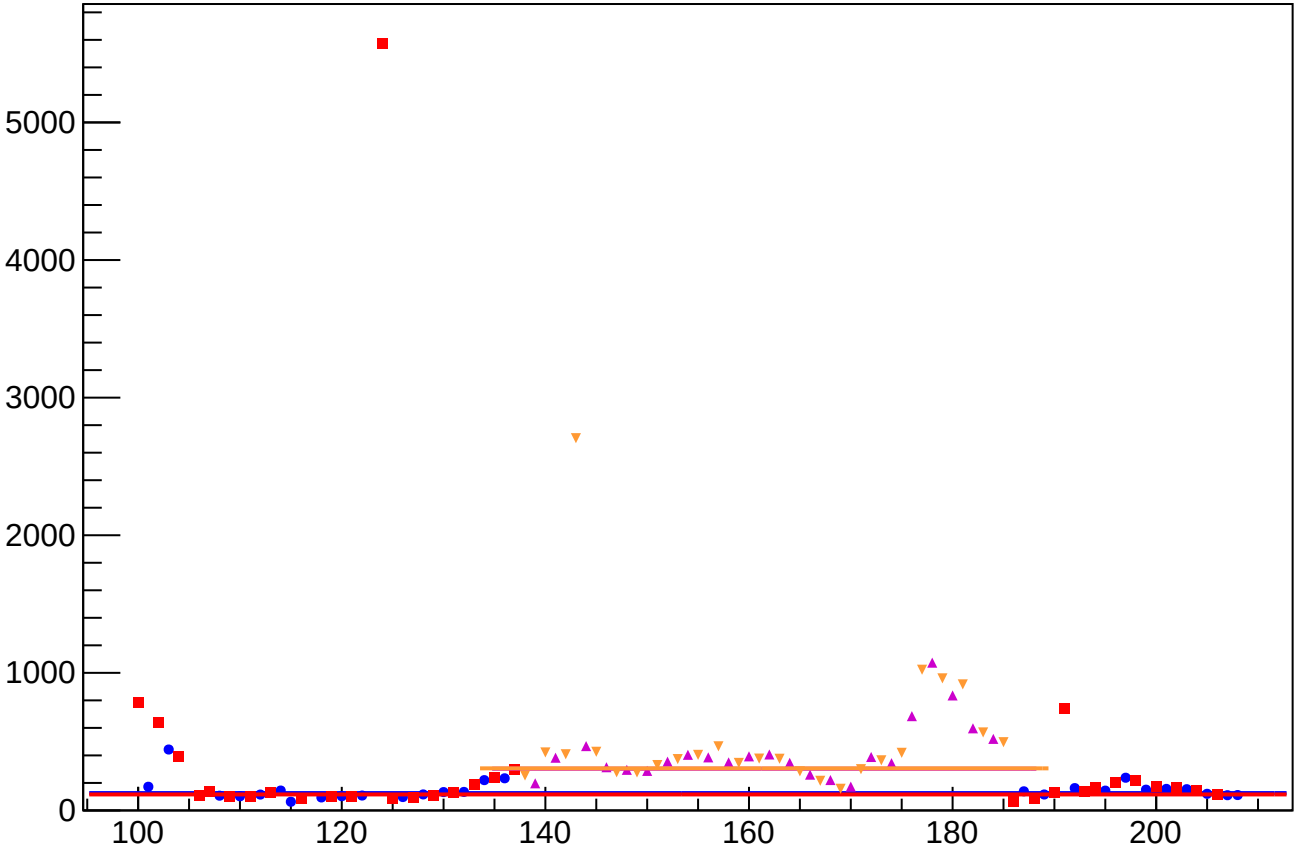
Right: 0.008+/-0.024 χ^2/NDF: 60.1/57

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.014+/-0.022 χ^2/NDF: 117.0/105

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

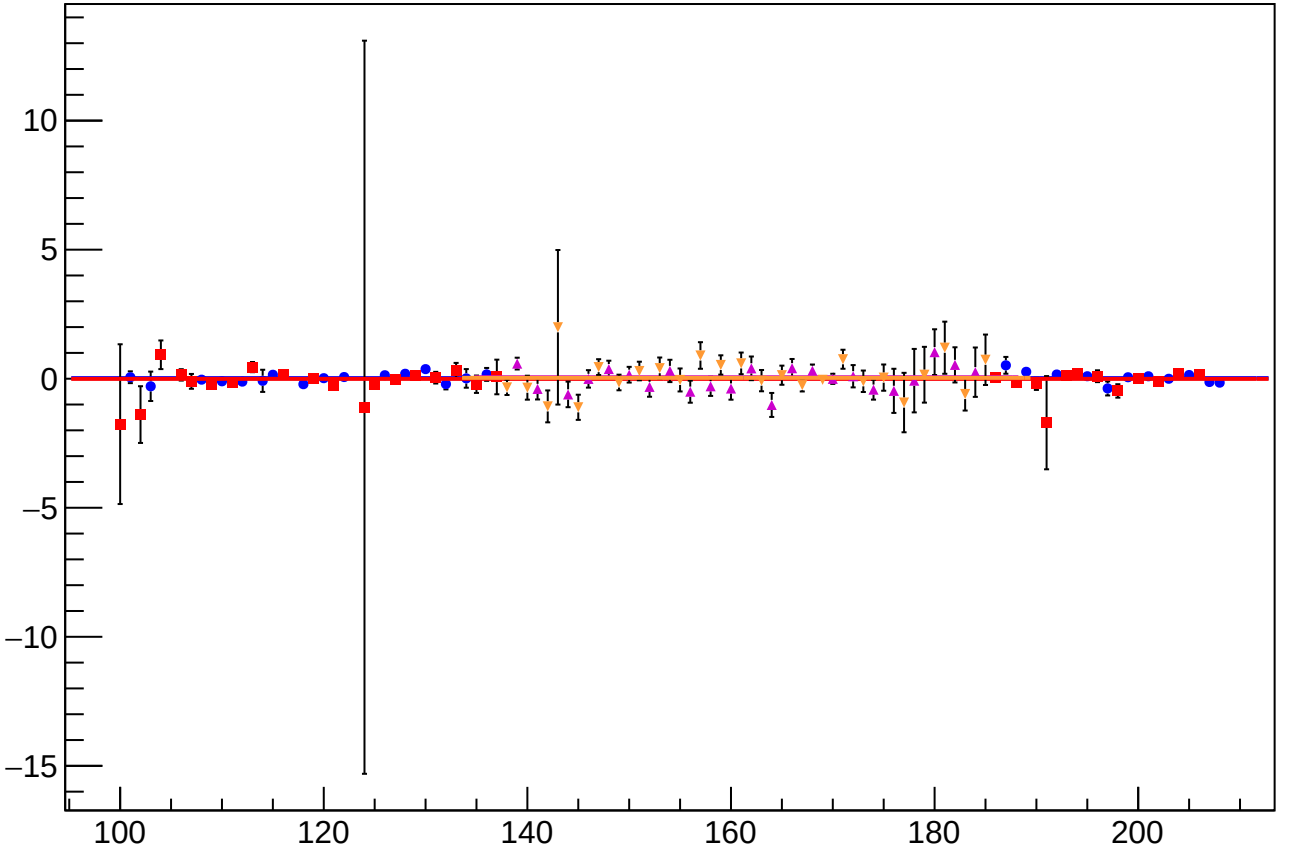
Right: 121.111+/-0.017 χ^2/NDF: 6920774.8/57

In: 155.017+/-0.022 χ^2/NDF:16065814.5/49

Out: 144.467+/-0.021 χ^2/NDF:21076455.9/55

All: 149.538+/-0.015 χ^2/NDF: 37261324.0/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.006+/-0.032 χ^2/NDF: 35.7/30

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

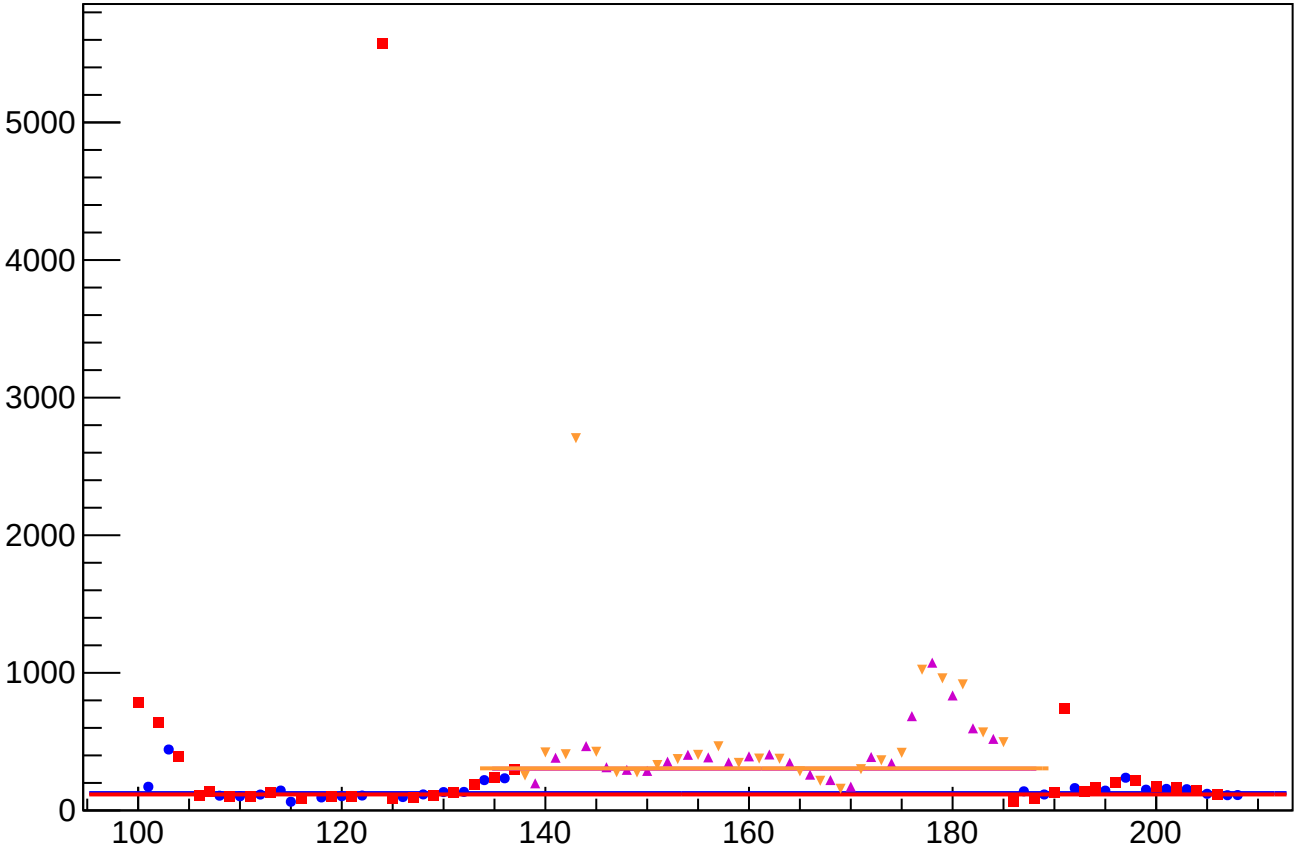
Right: 0.008+/-0.024 χ^2/NDF: 60.1/57

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.014+/-0.022 χ^2/NDF: 117.0/105

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

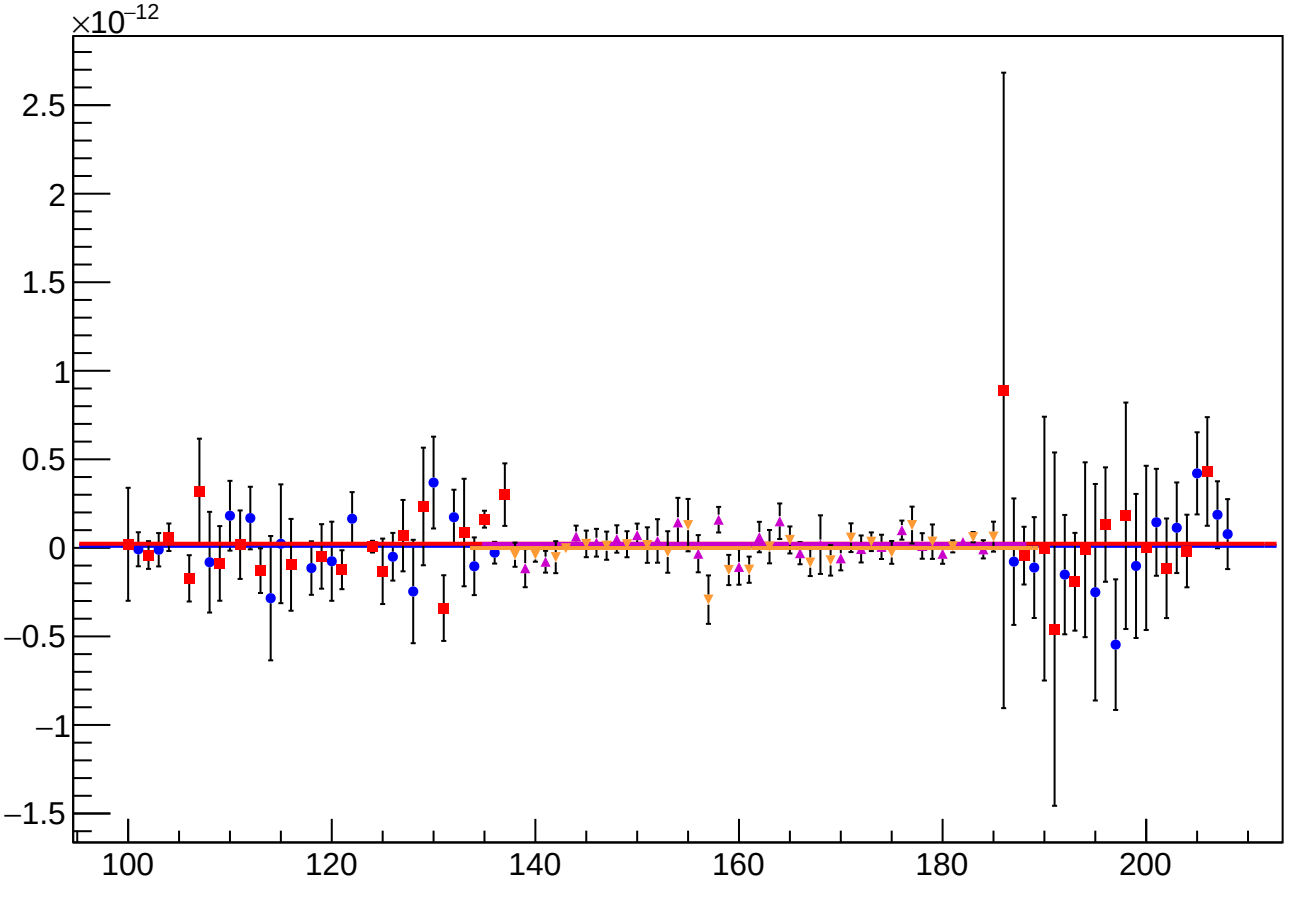
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 121.111+/-0.017 χ^2/NDF: 6920774.8/57

In: 155.017+/-0.022 χ^2/NDF:16065814.5/49

Out: 144.467+/-0.021 χ^2/NDF:21076455.9/55

All: 149.538+/-0.015 χ^2/NDF: 37261324.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/30

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

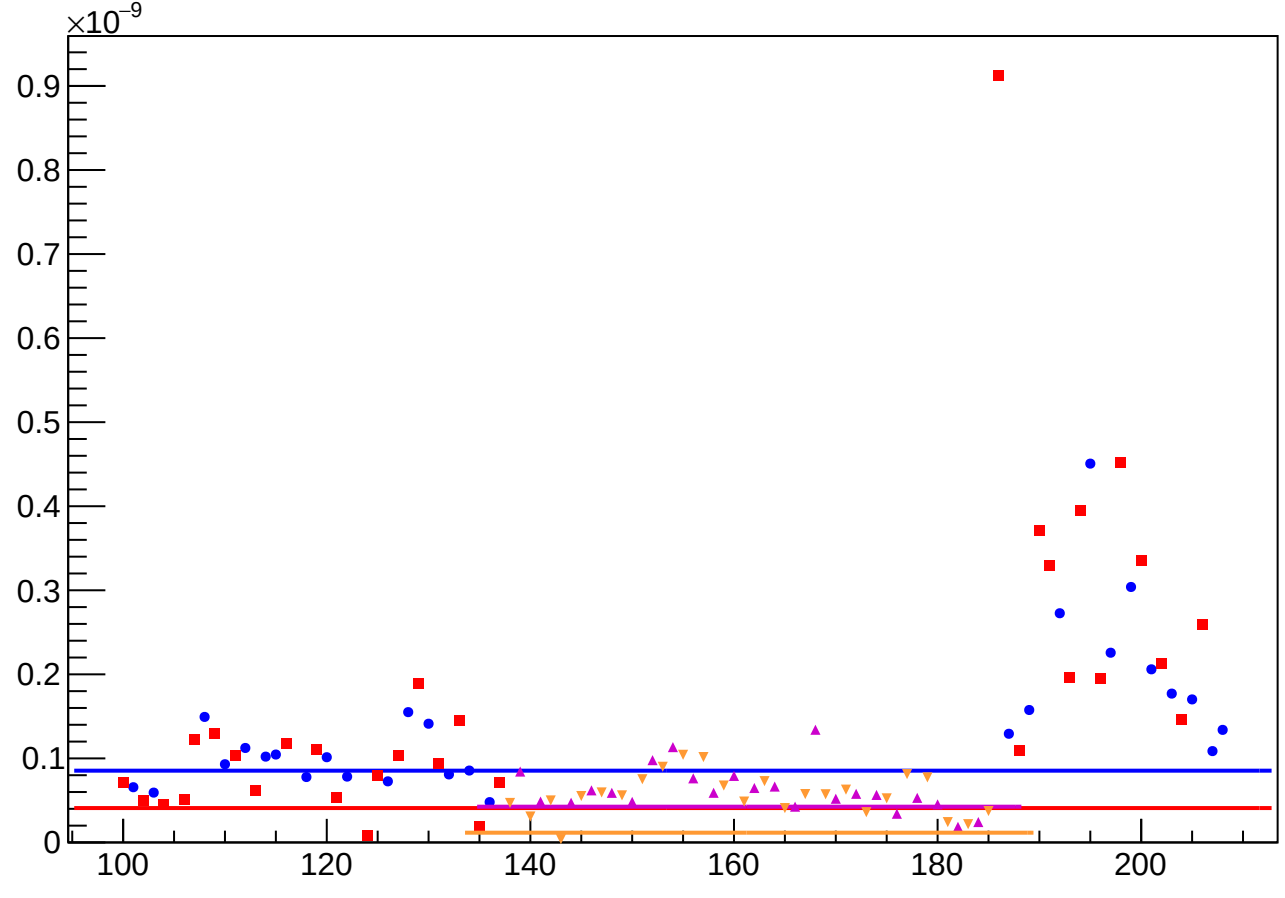
Right: 0.000+/-0.000 χ^2/NDF: 44.5/57

In: 0.000+/-0.000 χ^2/NDF:36.3/49

Out: 0.000+/-0.000 χ^2/NDF:50.9/55

All: 0.000+/-0.000 χ^2/NDF: 89.3/105

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4740193.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12190593.2/30

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

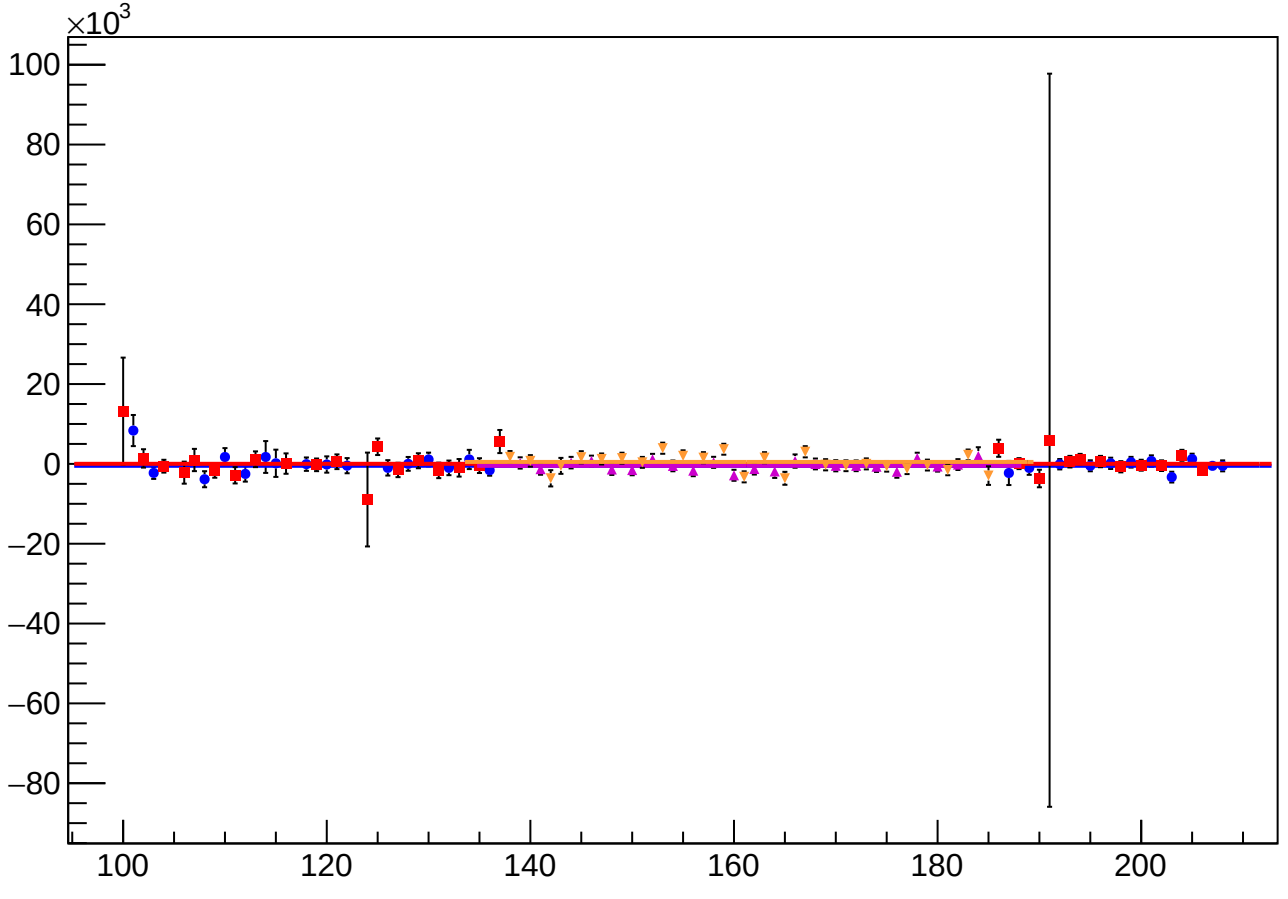
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 19647998.5/57

In: 0.000+/-0.000 χ^2/NDF:13248480.6/49

Out: 0.000+/-0.000 χ^2/NDF:33652319.7/55

All: 0.000+/-0.000 χ^2/NDF: 60472457.3/105



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

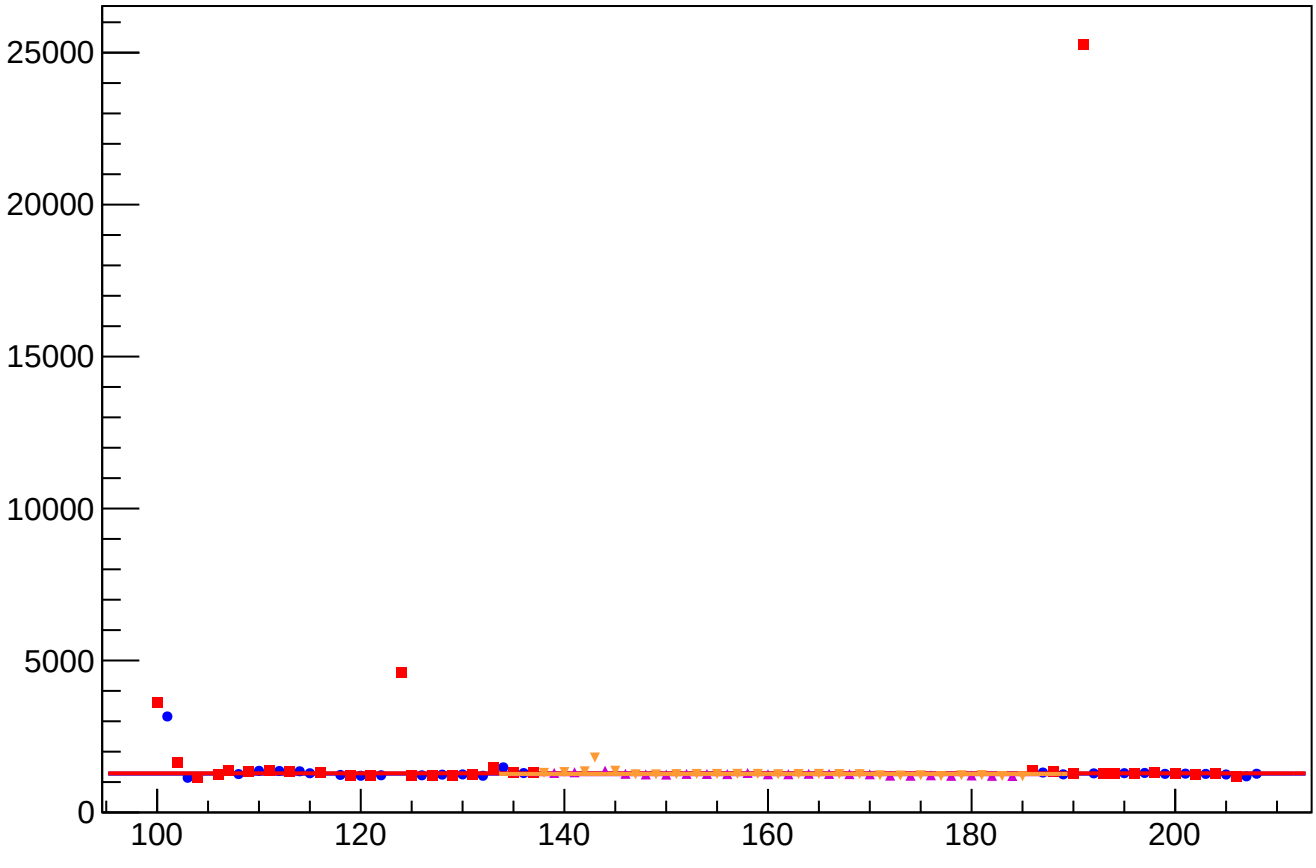
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -230.687+/-228.930 χ^2/NDF: 51.1/57

In: -483.264+/-217.494 χ^2/NDF:36.3/49

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -96.773+/-153.064 χ^2/NDF: 118.7/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

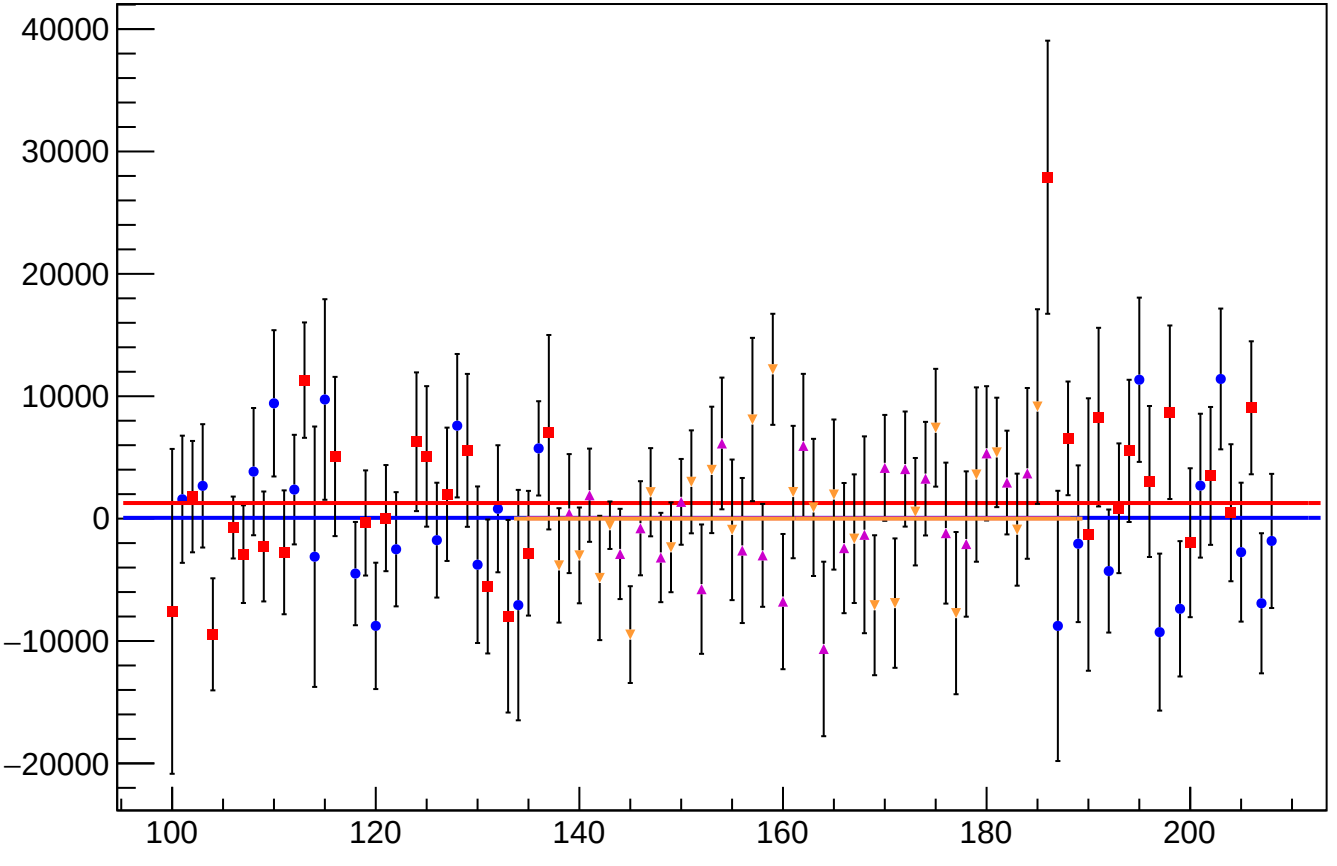
Right: 1282.009+/-0.162 χ^2/NDF: 1011857.2/57

In: 1265.984+/-0.154 χ^2/NDF:568804.6/49

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1271.141+/-0.108 χ^2/NDF: 1245430.1/10

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

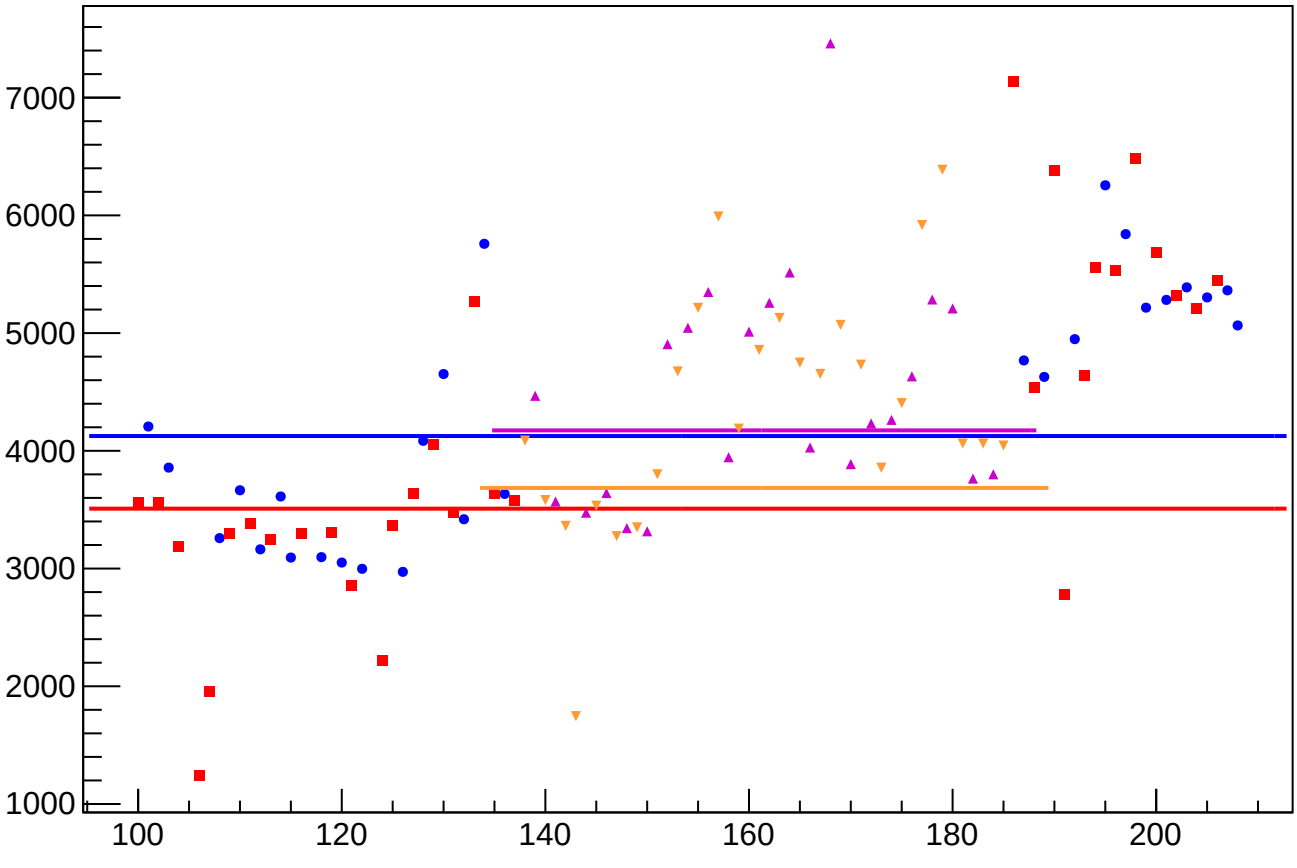
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 745.014+/-706.809 χ^2/NDF: 61.4/57

In: 46.280+/-728.529 χ^2/NDF:42.6/49

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 355.407+/-483.168 χ^2/NDF: 105.0/105



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

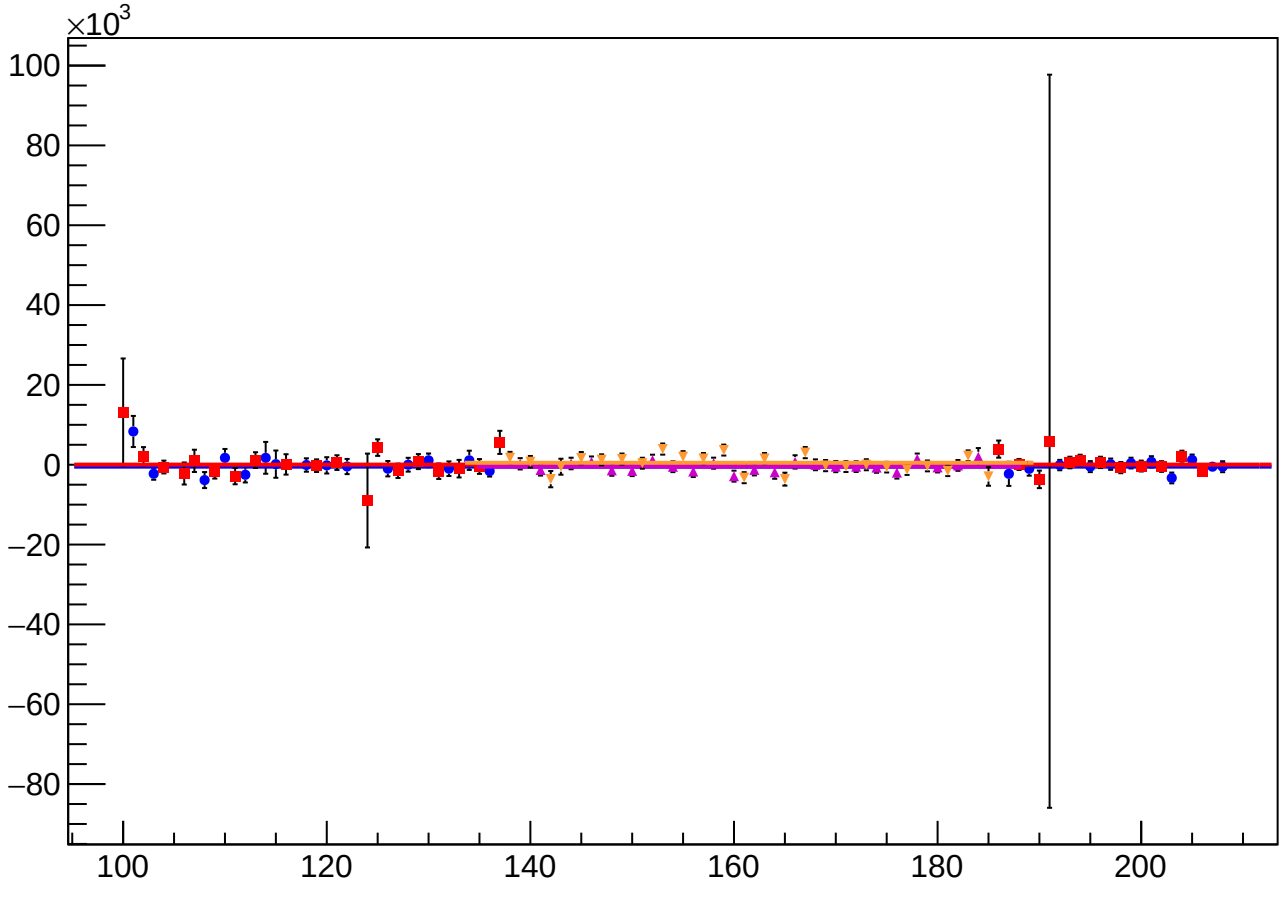
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3778.370+/-0.500 χ^2/NDF: 6549917.7/57

In: 4151.272+/-0.515 χ^2/NDF:2973253.0/49

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3843.686+/-0.342 χ^2/NDF: 11819552.1/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

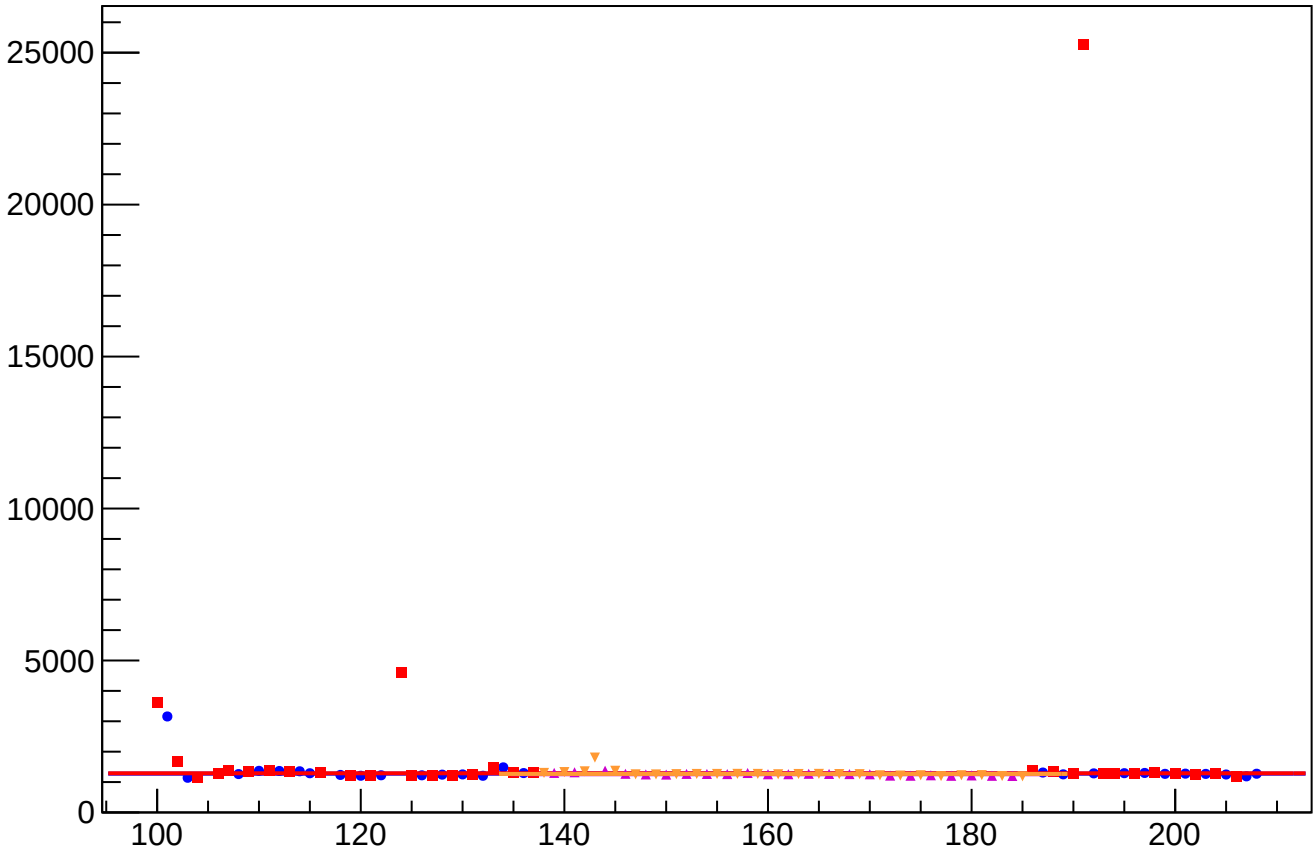
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -224.427+/-228.963 χ^2/NDF: 51.6/57

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -93.925+/-153.074 χ^2/NDF: 119.2/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

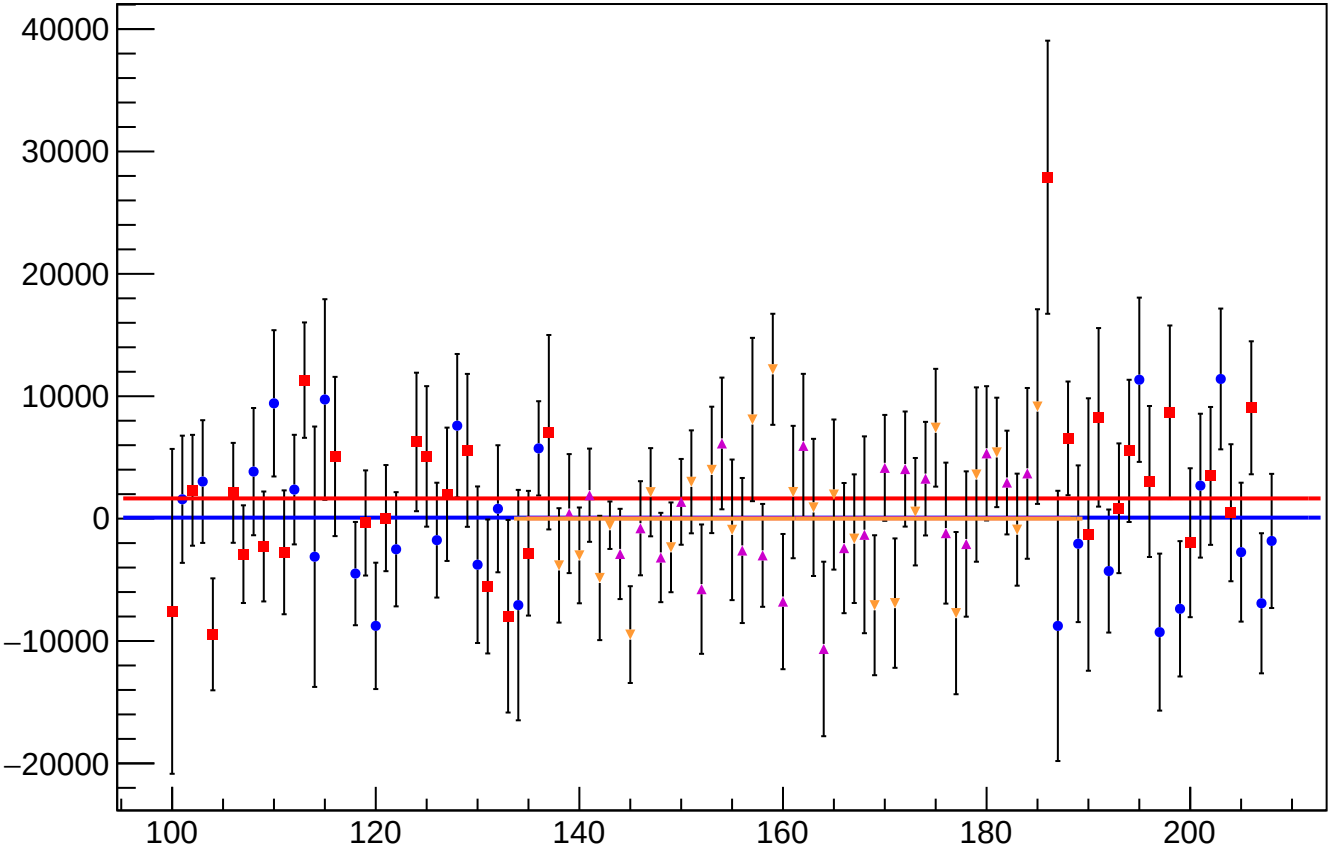
Right: 1282.446+/-0.162 χ^2/NDF: 1018981.2/57

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

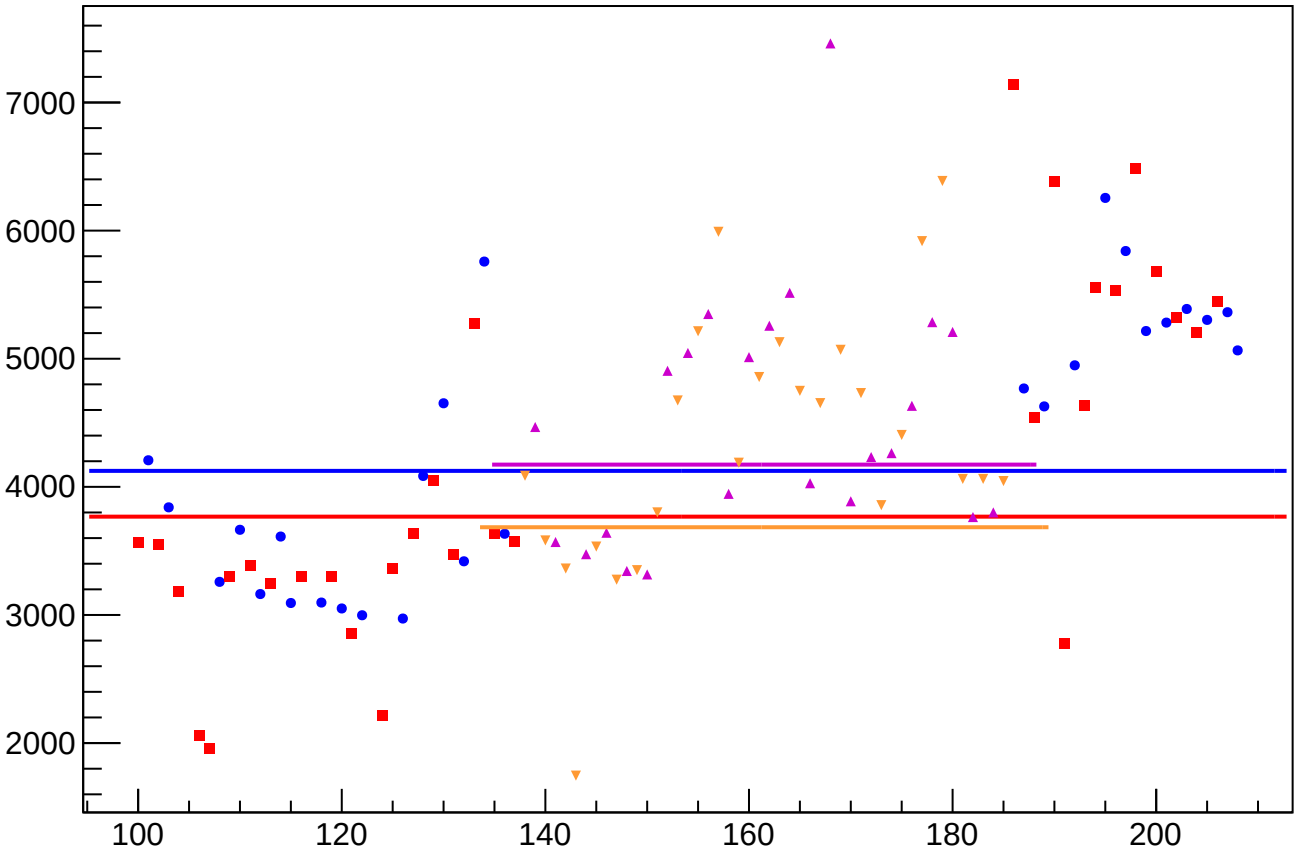
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 929.281+/-724.261 χ^2/NDF: 61.2/57

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 430.435+/-488.634 χ^2/NDF: 105.2/105



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

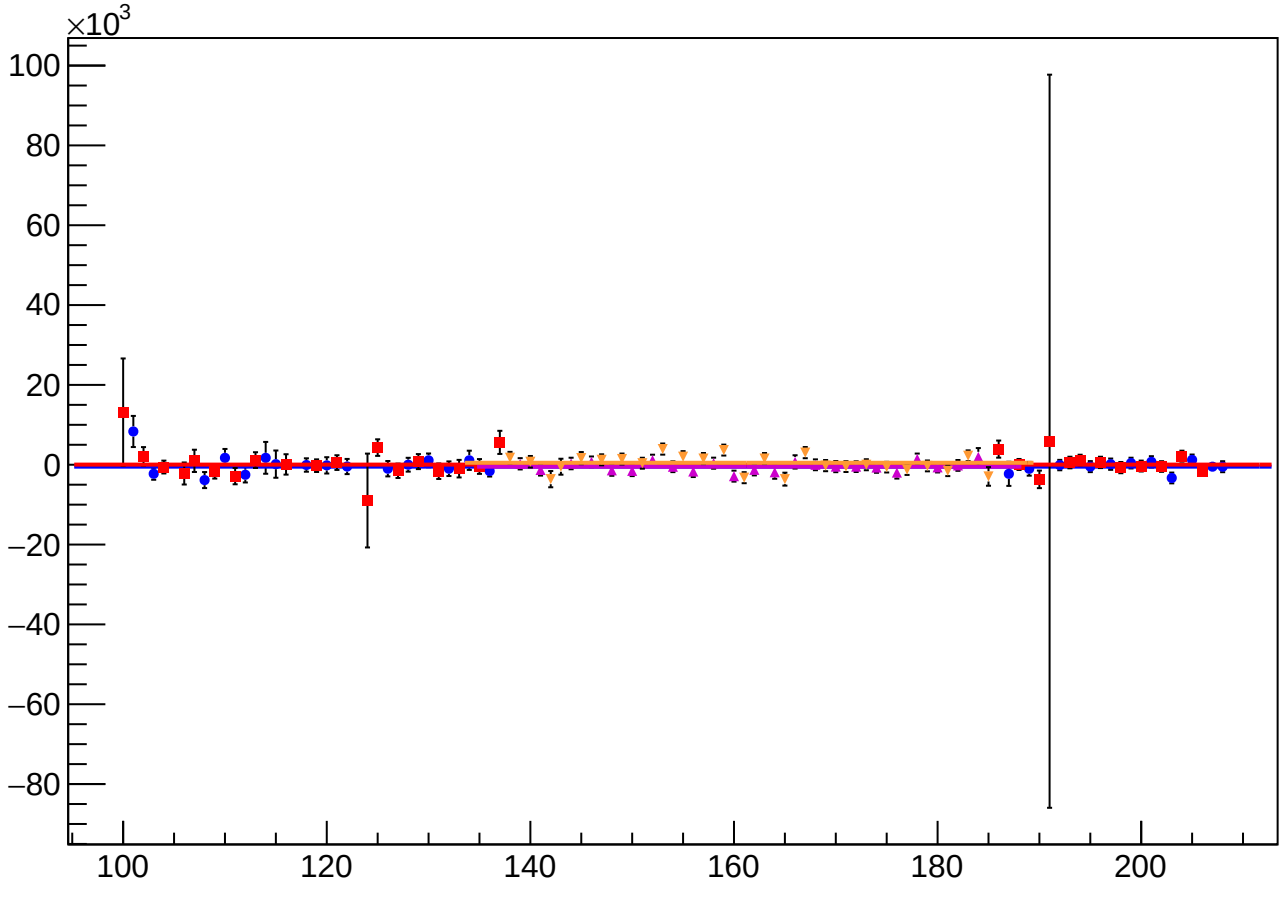
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3931.432+/-0.512 χ^2/NDF: 4803862.9/57

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

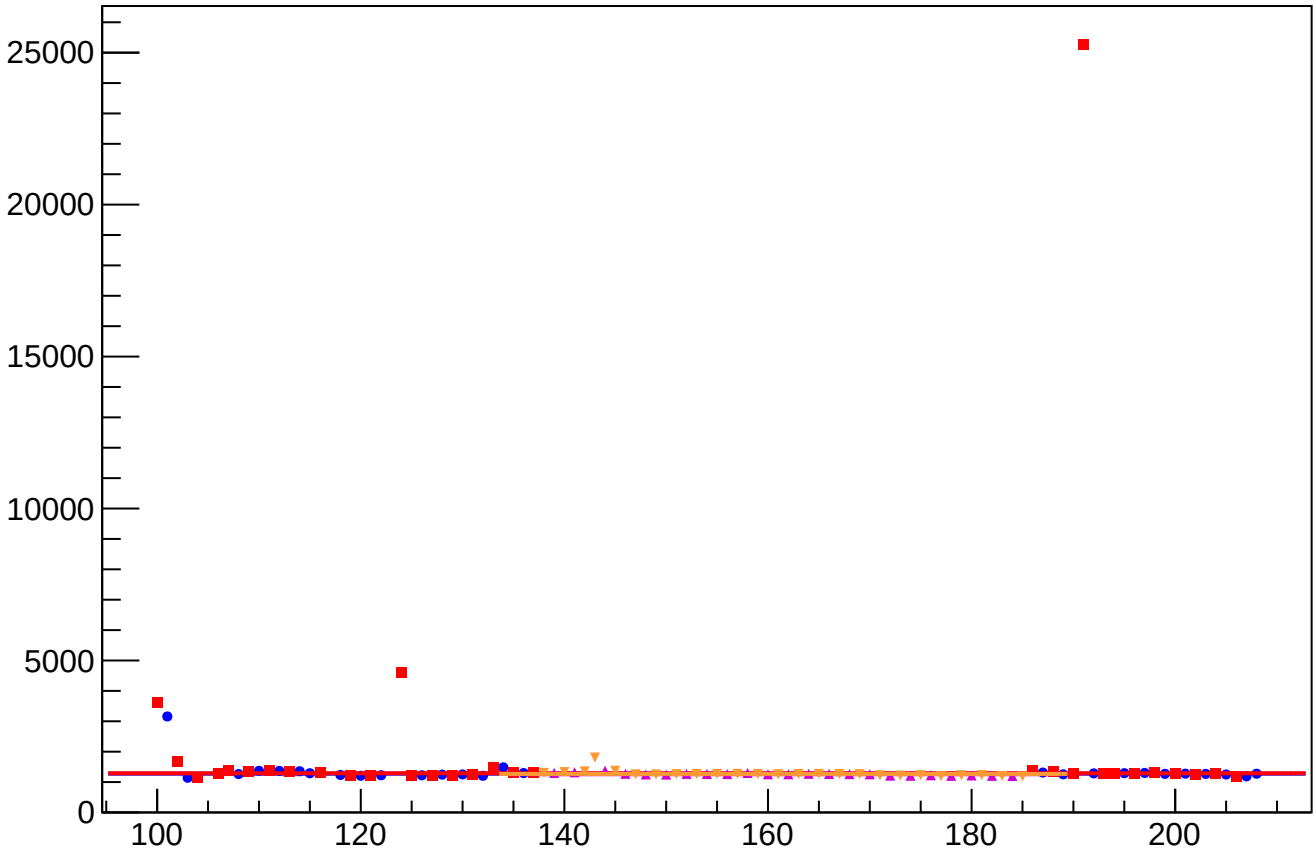
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -224.427+/-228.963 χ^2/NDF: 51.6/57

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -93.925+/-153.074 χ^2/NDF: 119.2/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

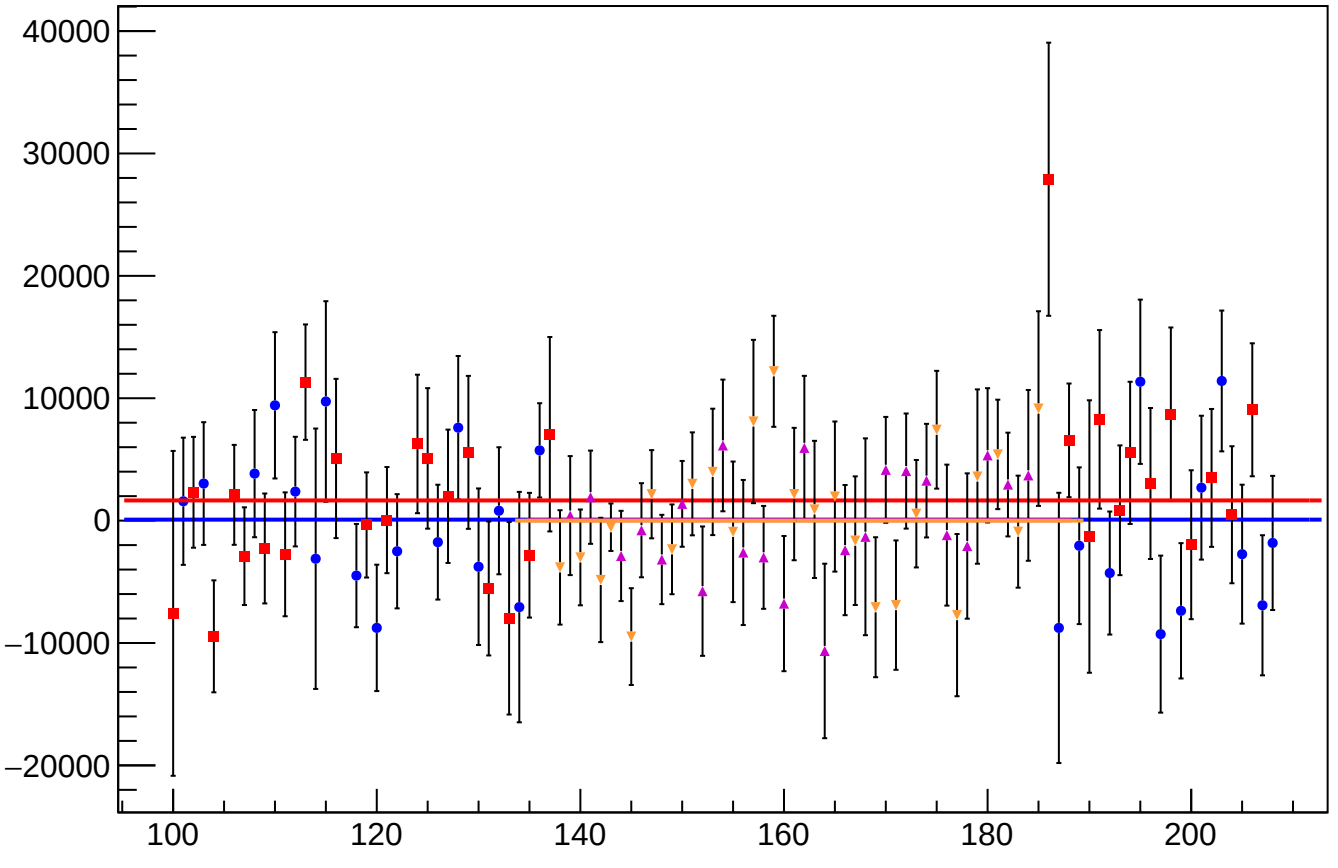
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1282.446+/-0.162 χ^2/NDF: 1018981.2/57

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

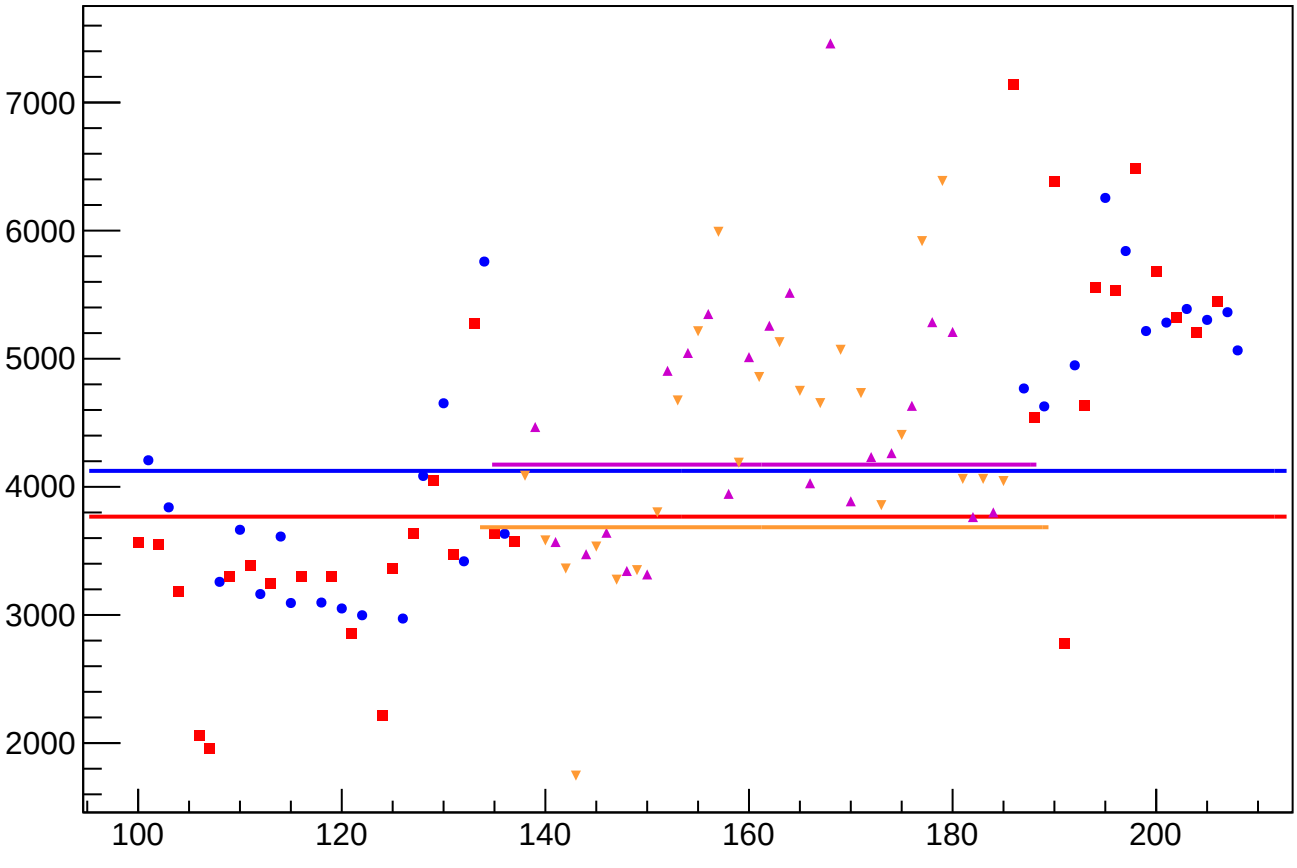
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 929.281+/-724.261 χ^2/NDF: 61.2/57

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 430.435+/-488.634 χ^2/NDF: 105.2/105



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

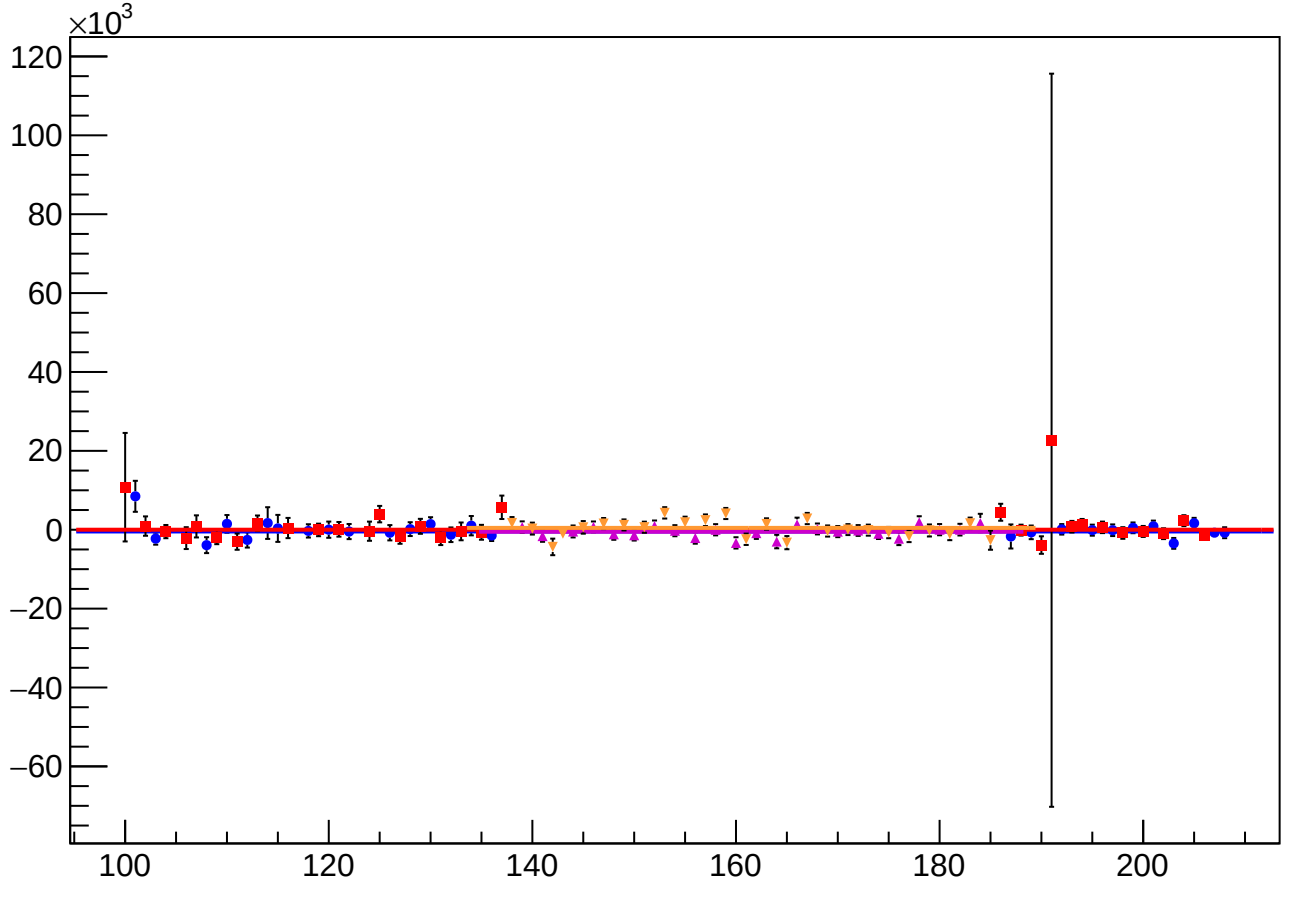
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3931.432+/-0.512 χ^2/NDF: 4803862.9/57

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.003+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

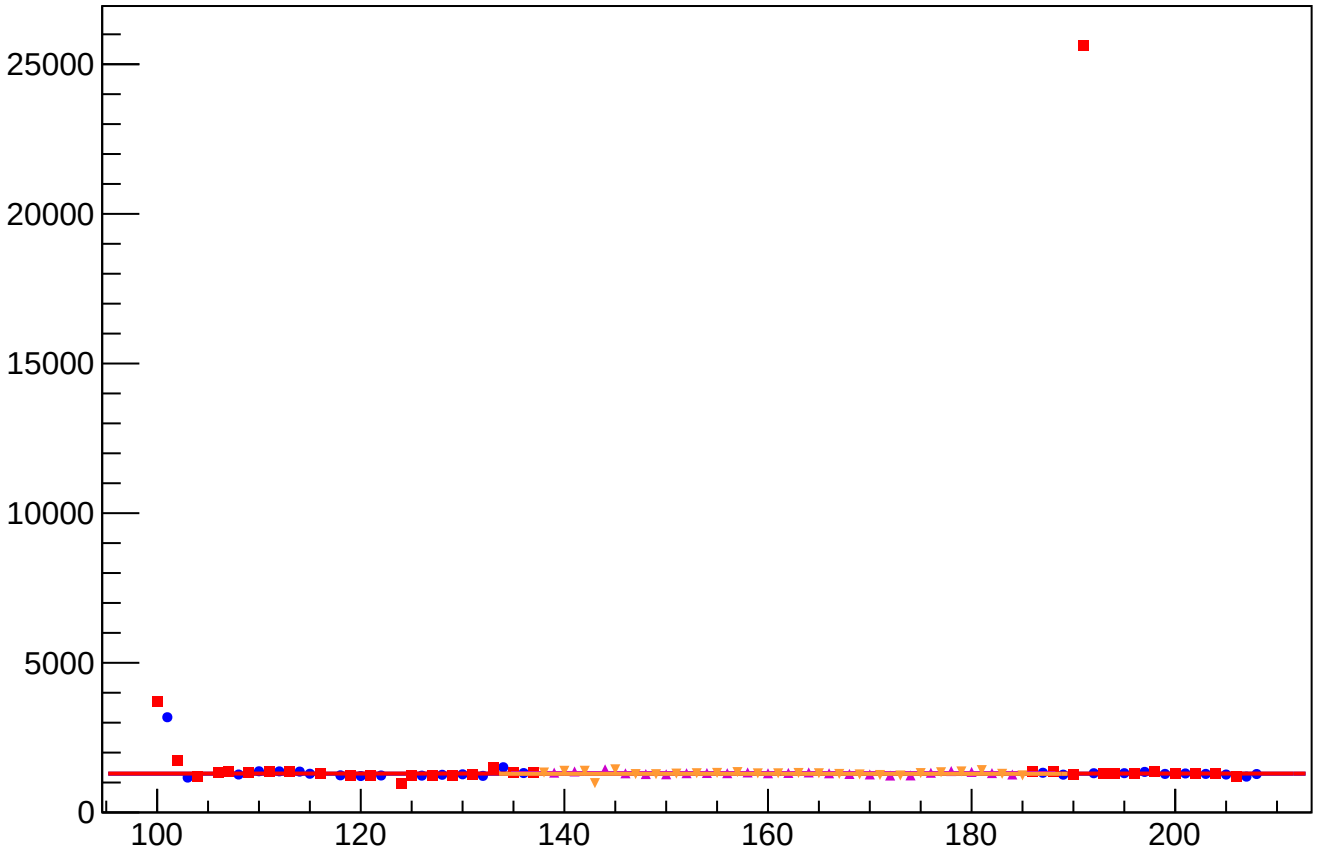
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -214.956+/-231.440 χ^2/NDF: 53.2/57

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -96.751+/-156.509 χ^2/NDF: 120.4/105



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

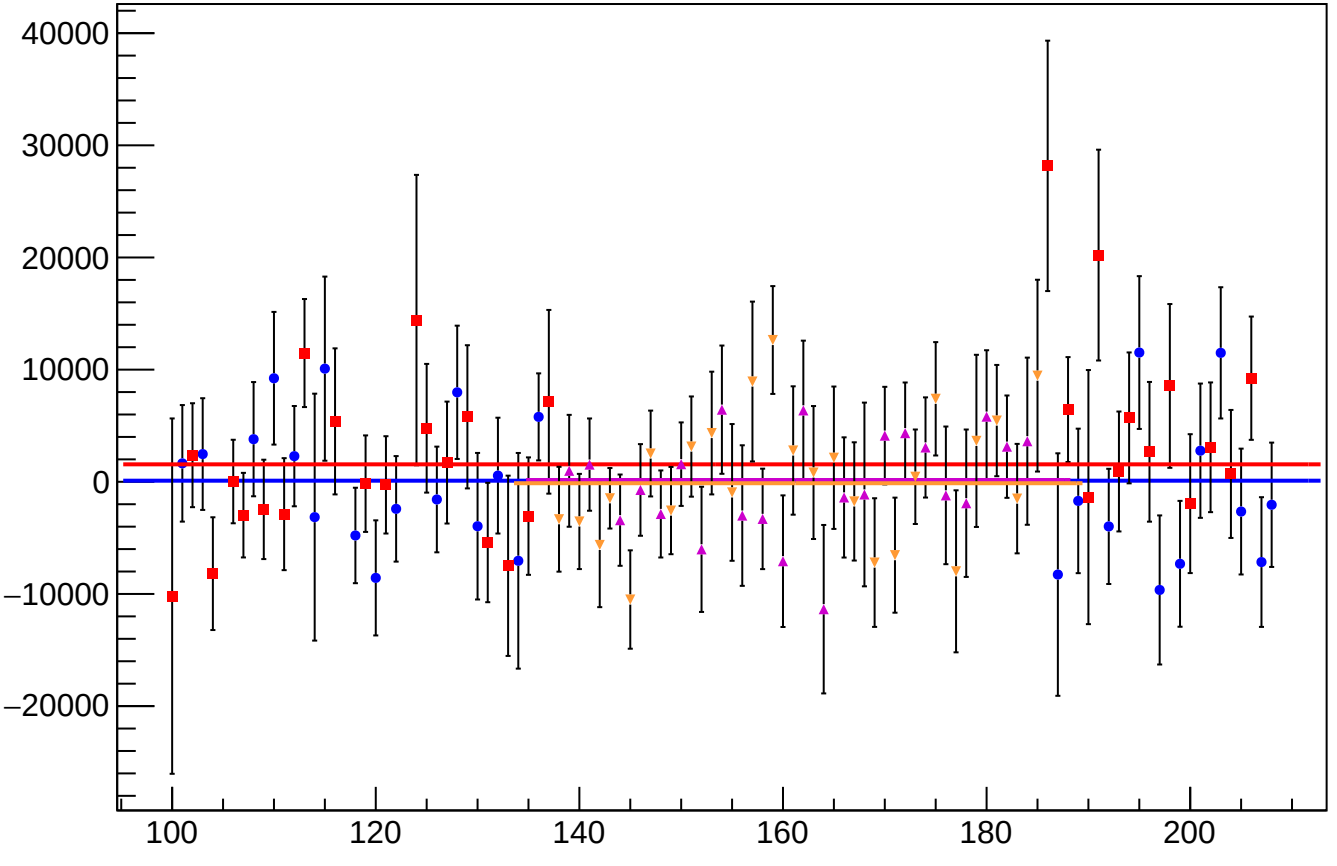
Right: 1296.982+/-0.164 χ^2/NDF: 907250.1/57

In: 1304.622+/-0.159 χ^2/NDF:575976.0/49

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1299.772+/-0.111 χ^2/NDF: 1187311.4/10

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

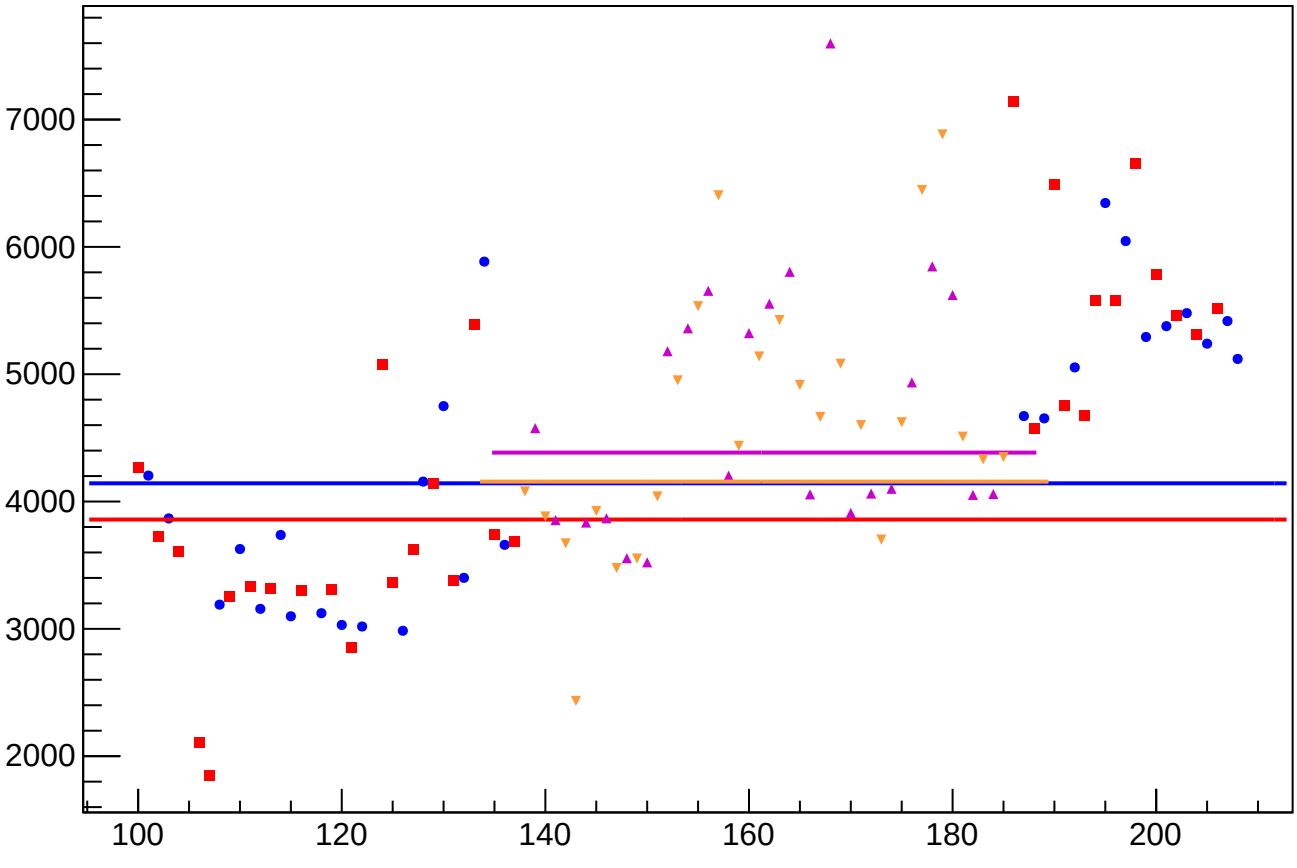
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 878.653+/-732.961 χ^2/NDF: 62.5/57

In: 129.705+/-749.479 χ^2/NDF:42.2/49

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 431.064+/-511.419 χ^2/NDF: 105.6/105



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

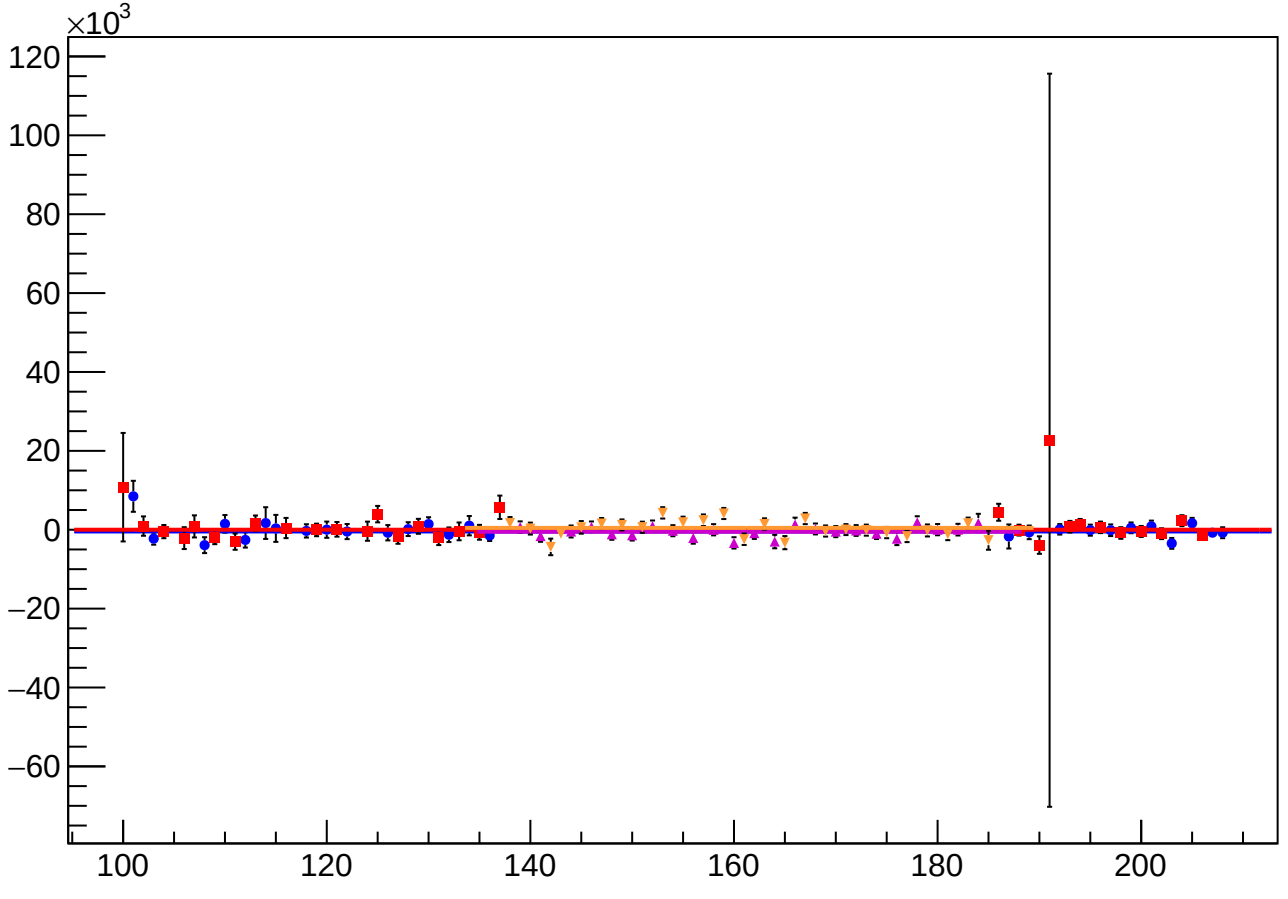
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3990.902+/-0.518 χ^2/NDF: 4917974.6/57

In: 4267.051+/-0.530 χ^2/NDF:3092476.6/49

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4130.414+/-0.362 χ^2/NDF: 8446062.8/10



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.002+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

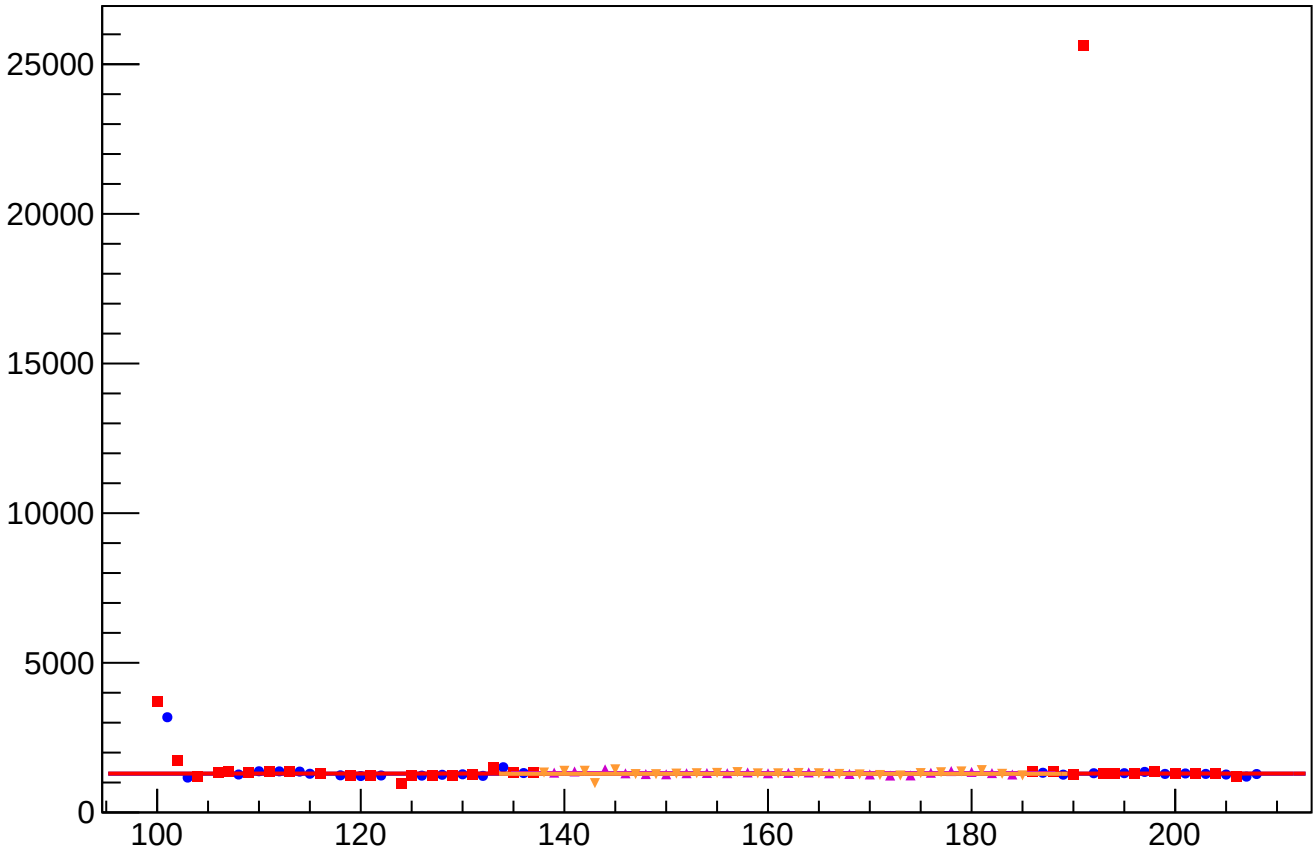
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -214.957+/-231.440 χ^2/NDF: 53.2/57

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -96.751+/-156.509 χ^2/NDF: 120.4/105



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

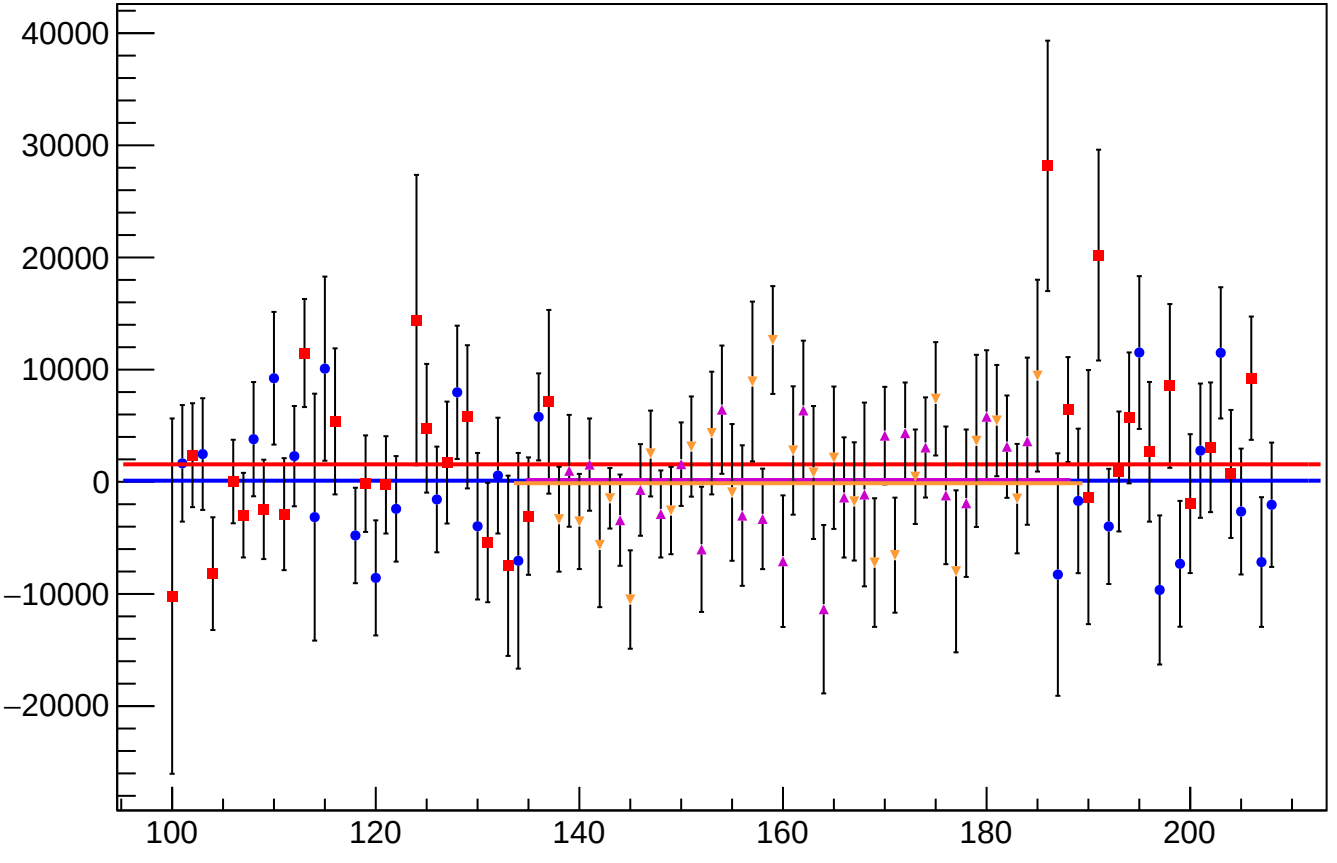
Right: 1296.982+/-0.164 χ^2/NDF: 907250.4/57

In: 1304.623+/-0.159 χ^2/NDF:575978.8/49

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1299.773+/-0.111 χ^2/NDF: 1187316.5/10

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

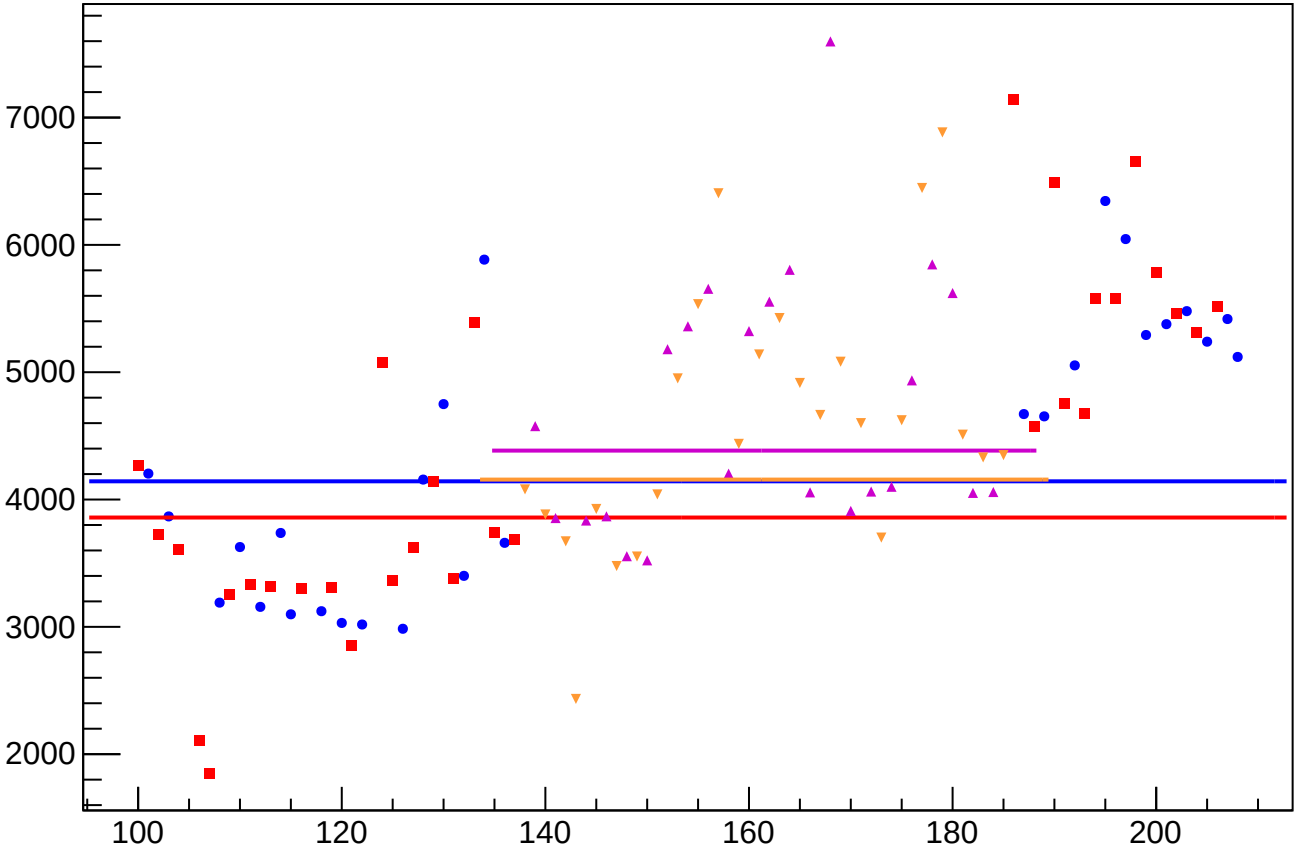
Right: 878.646+/-732.960 χ^2/NDF: 62.5/57

In: 129.703+/-749.479 χ^2/NDF:42.2/49

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 431.063+/-511.419 χ^2/NDF: 105.6/105

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

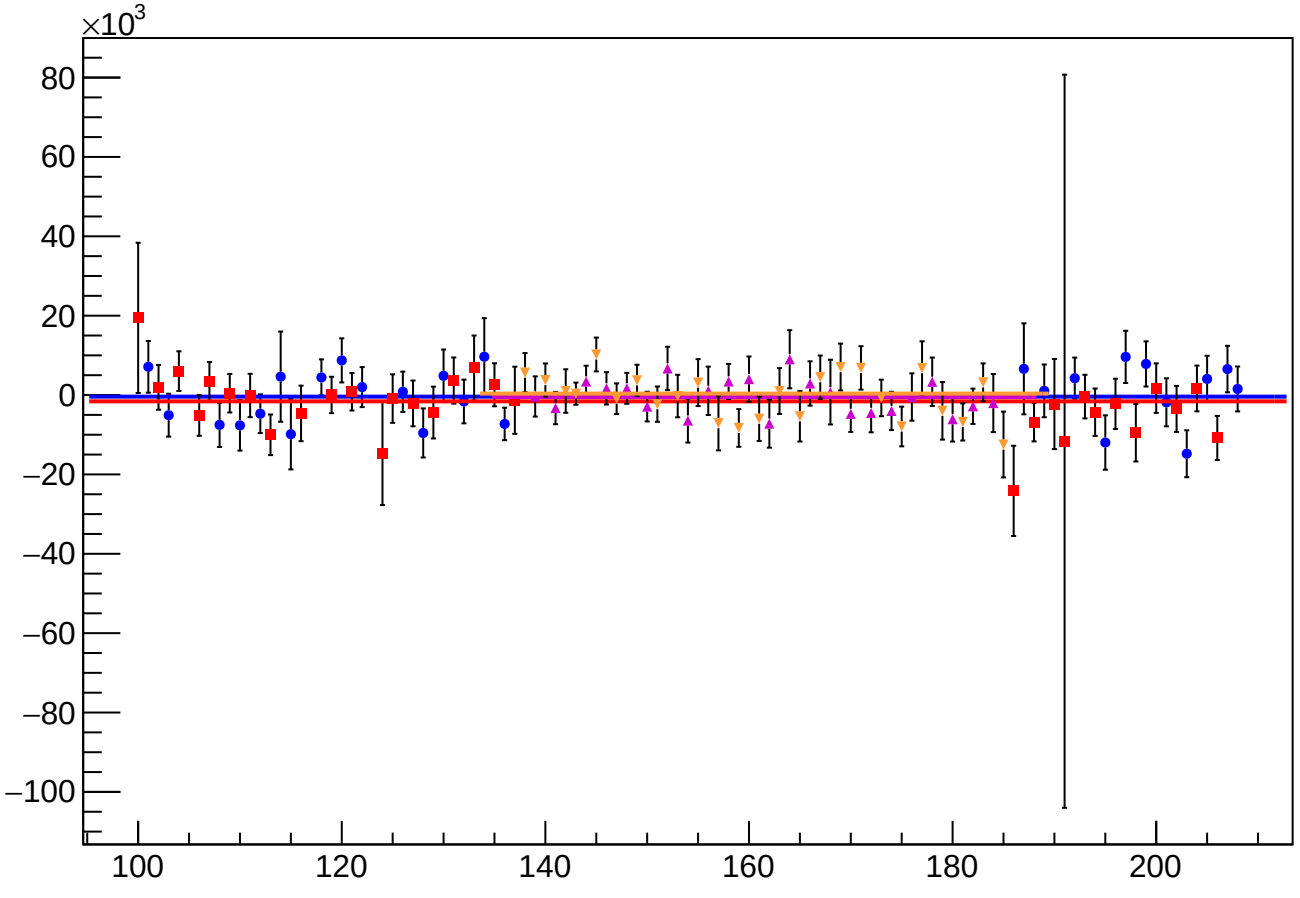
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3990.896+/-0.518 χ^2/NDF: 4918034.1/57

In: 4267.051+/-0.530 χ^2/NDF:3092517.2/49

Out: 4011.357+/-0.495 χ^2/NDF:5229230.8/55

All: 4130.414+/-0.362 χ^2/NDF: 8446142.7/10



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1590.008+/-1090.282 χ^2/NDF: 22.8/30

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

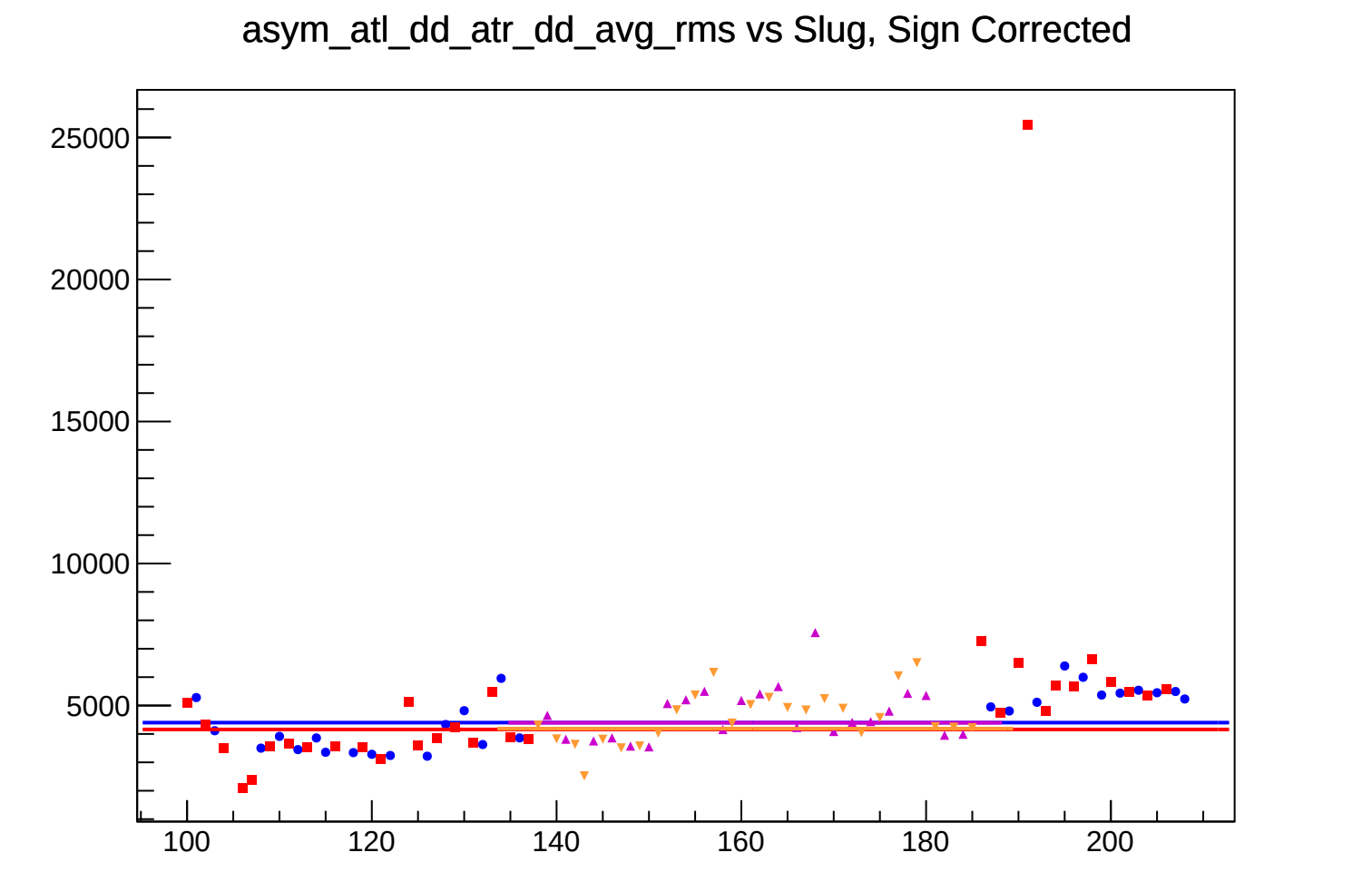
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1020.622+/-786.309 χ^2/NDF: 57.9/57

In: -454.392+/-768.688 χ^2/NDF:48.4/49

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -483.617+/-528.874 χ^2/NDF: 100.6/105



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

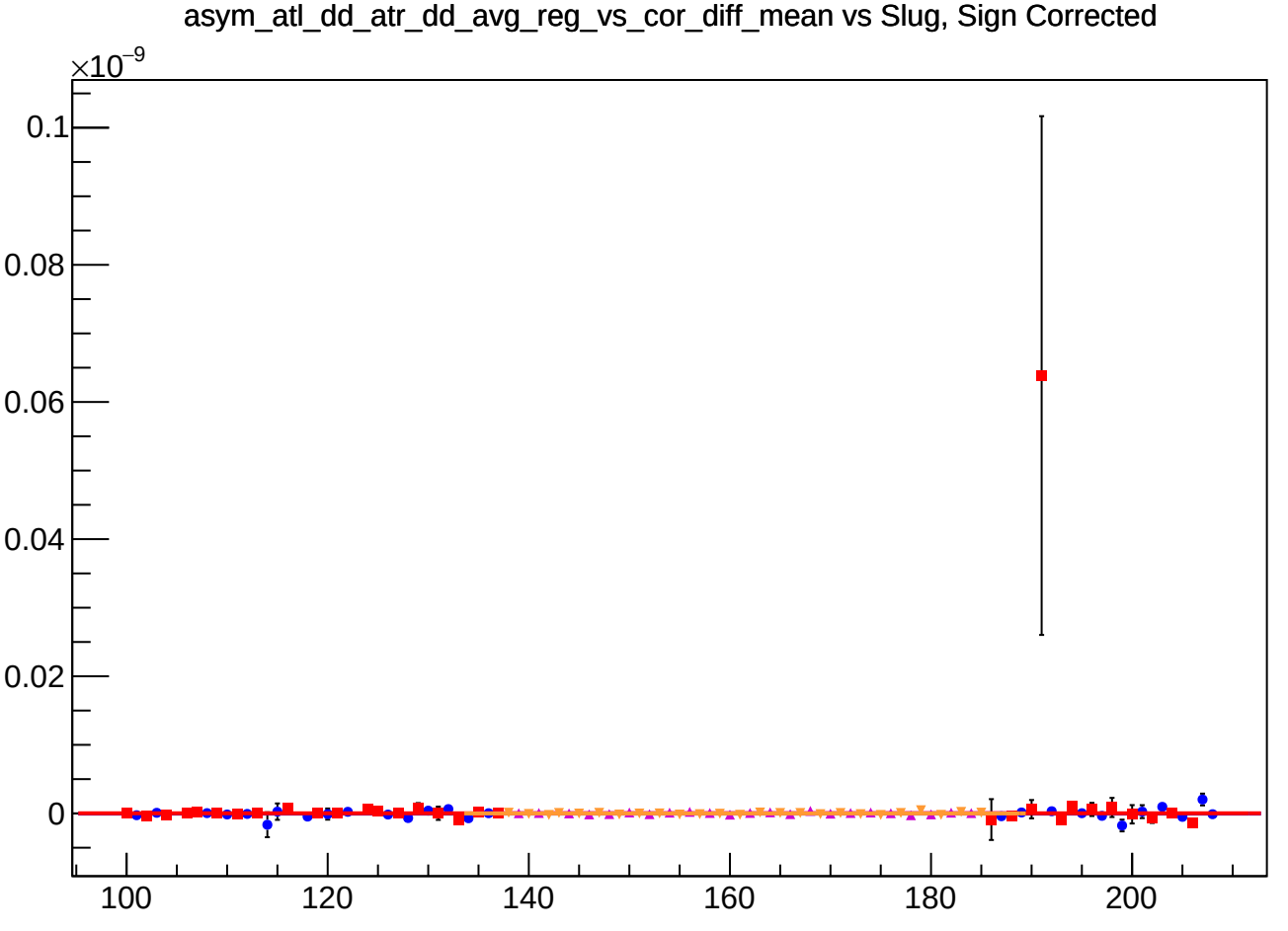
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4272.619+/-0.553 χ^2/NDF: 3955289.7/57

In: 4396.269+/-0.544 χ^2/NDF:2544413.4/49

Out: 4174.617+/-0.513 χ^2/NDF:4249512.4/55

All: 4279.086+/-0.373 χ^2/NDF: 6881842.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

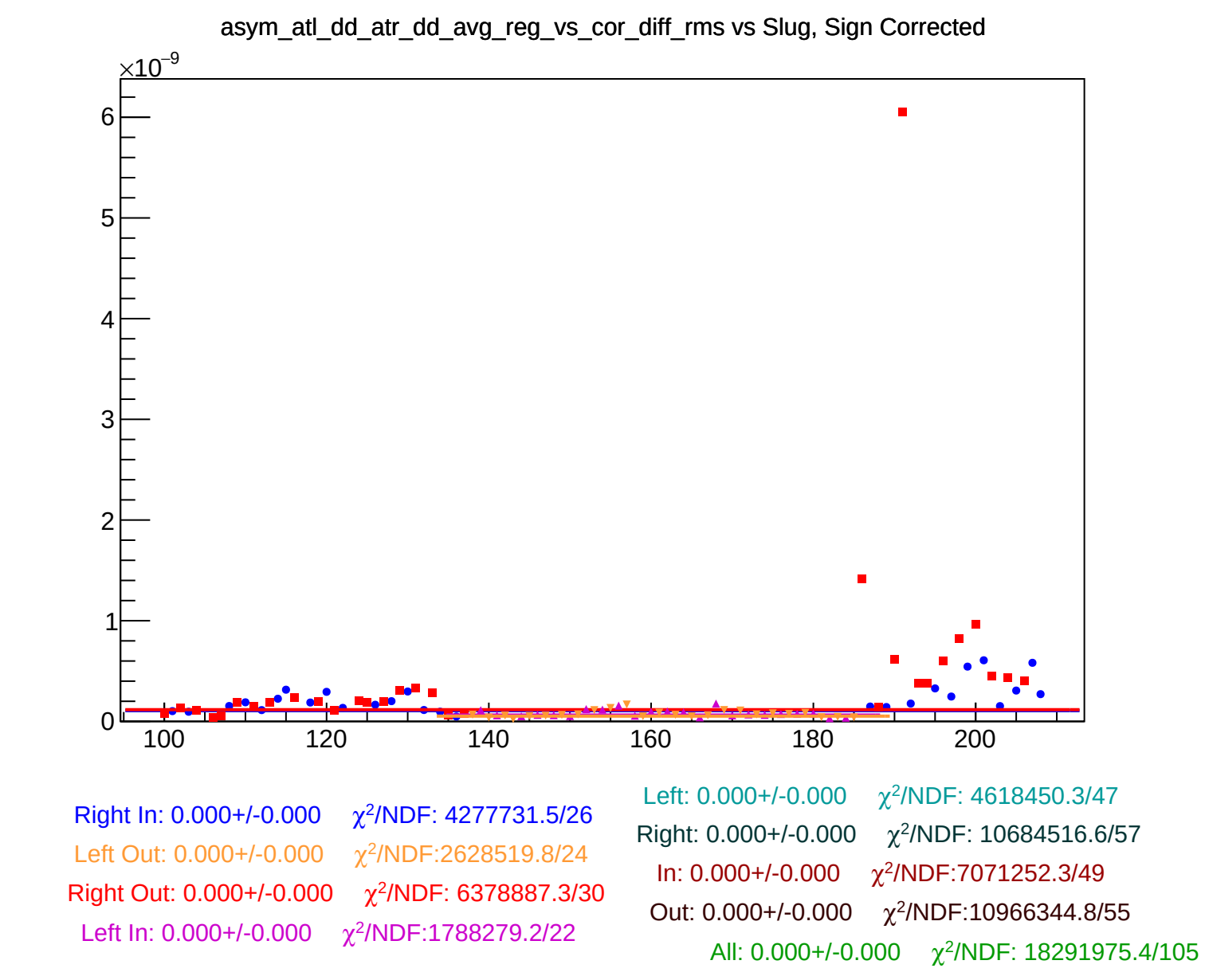
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

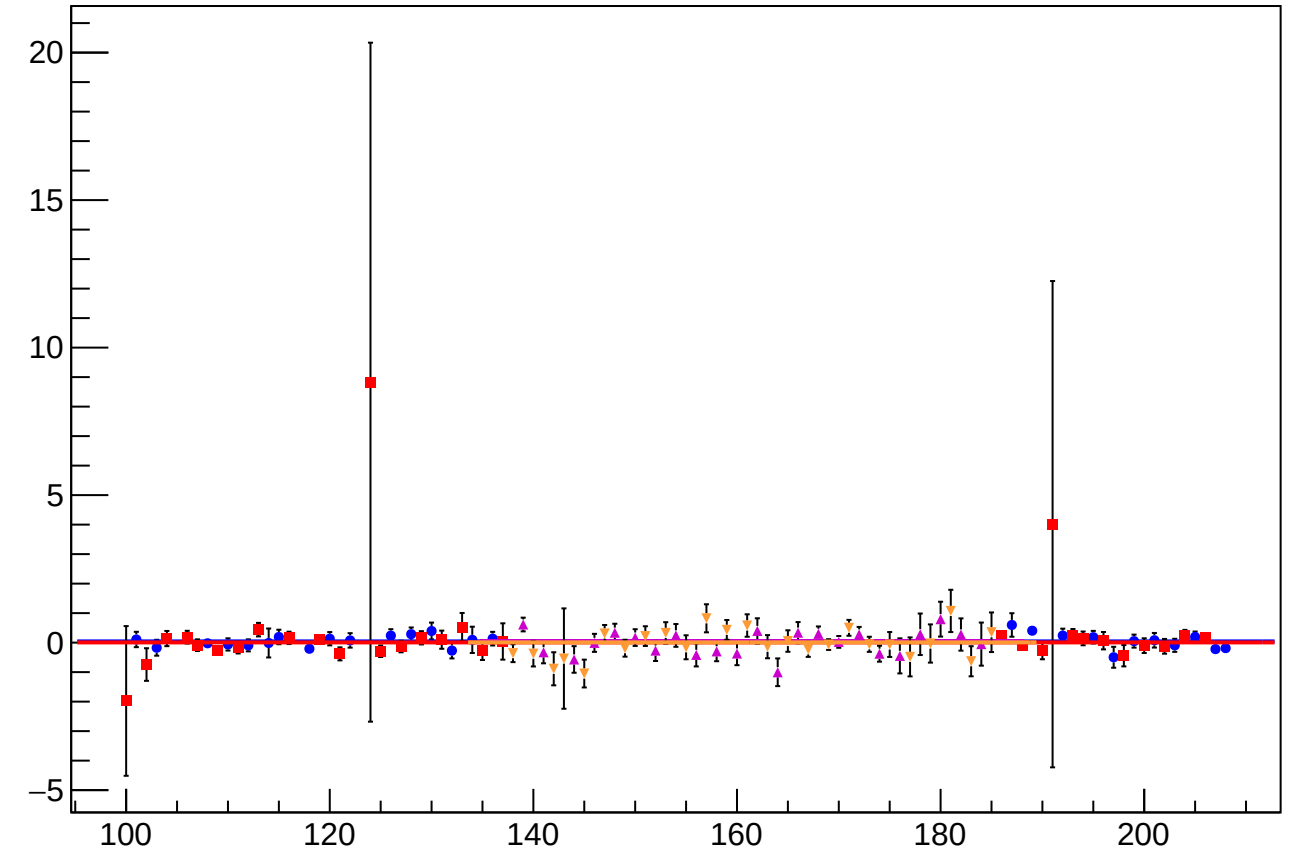
Right: -0.000+/-0.000 χ^2/NDF: 67.6/57

In: 0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 115.7/105


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 10684516.6/57
In: 0.000+/-0.000 χ²/NDF:7071252.3/49
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 18291975.4/105



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

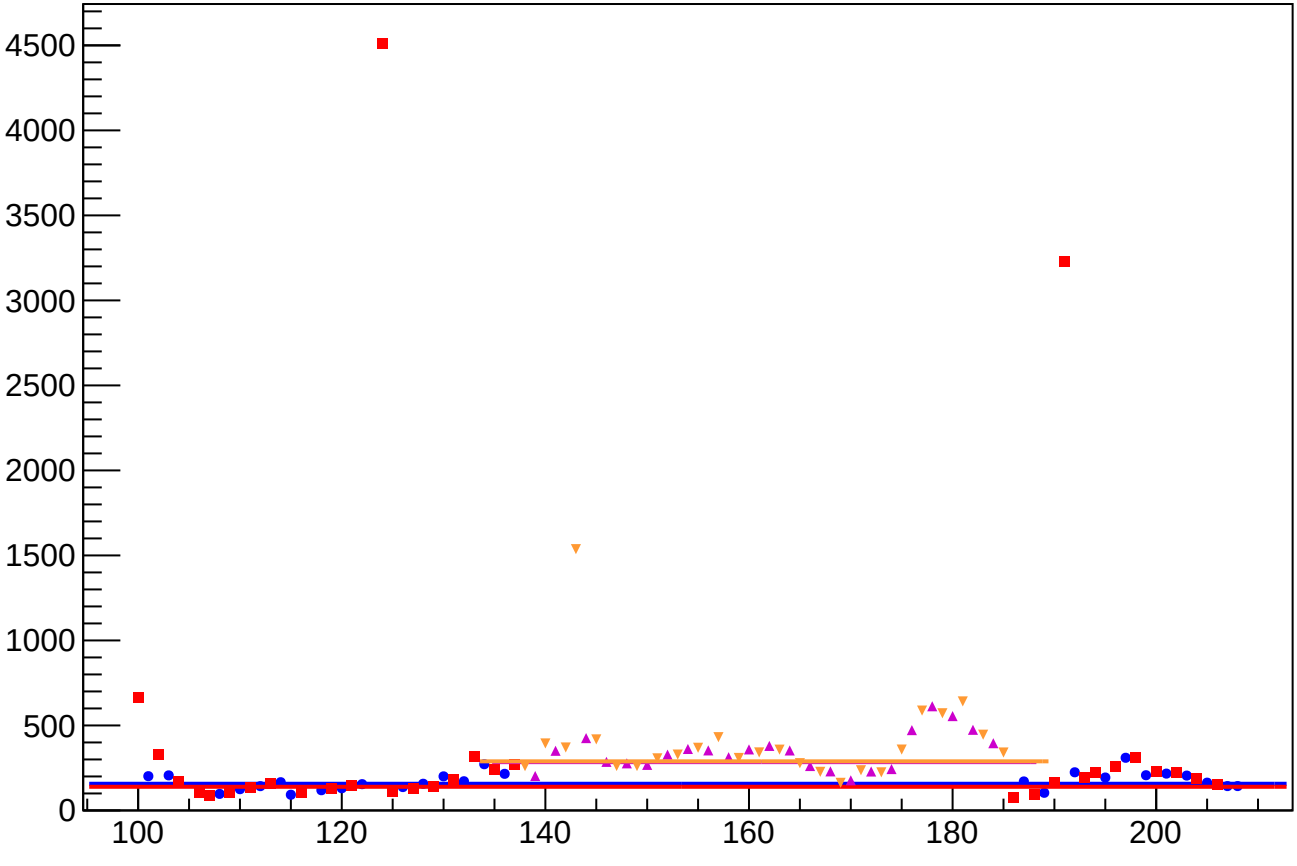
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

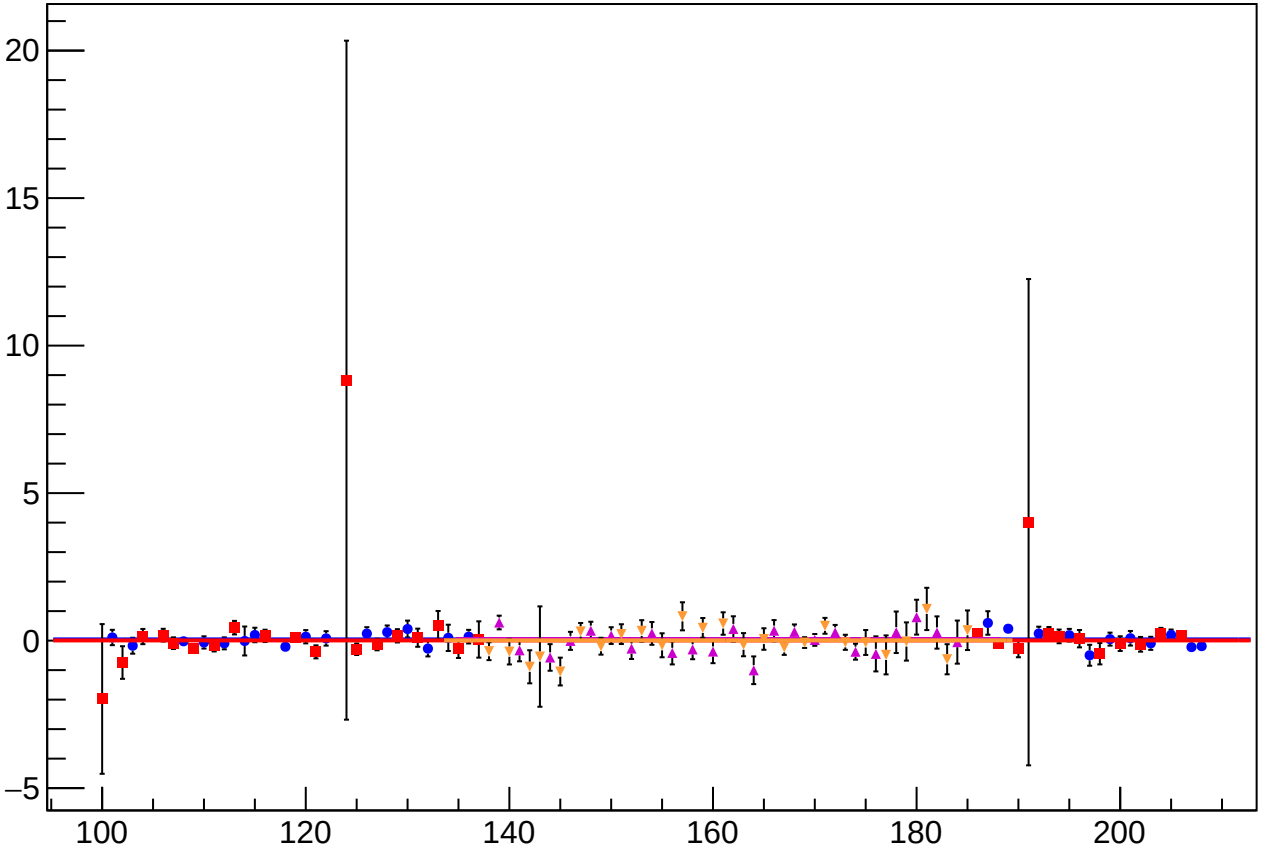
Right: 147.440+/-0.020 χ^2/NDF: 7121018.1/57

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

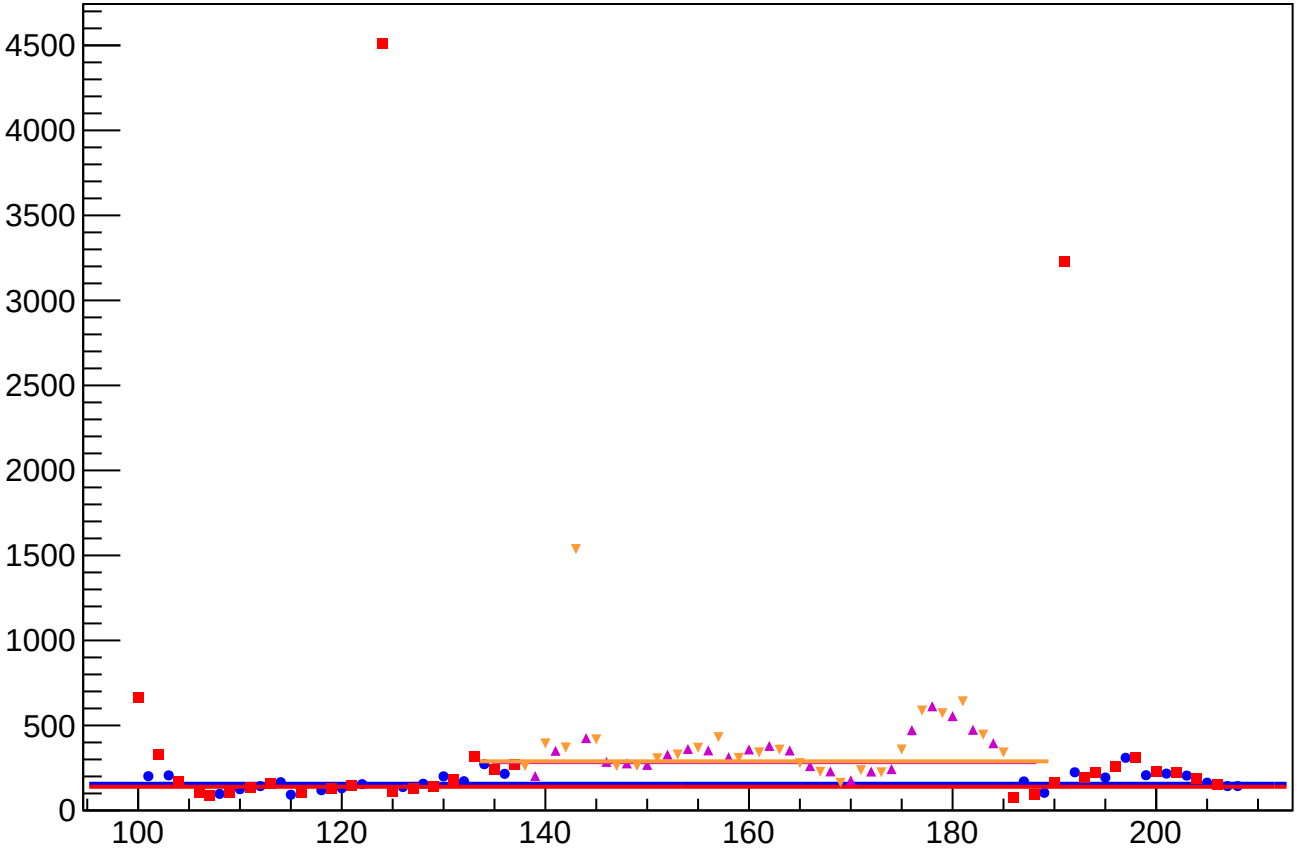
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

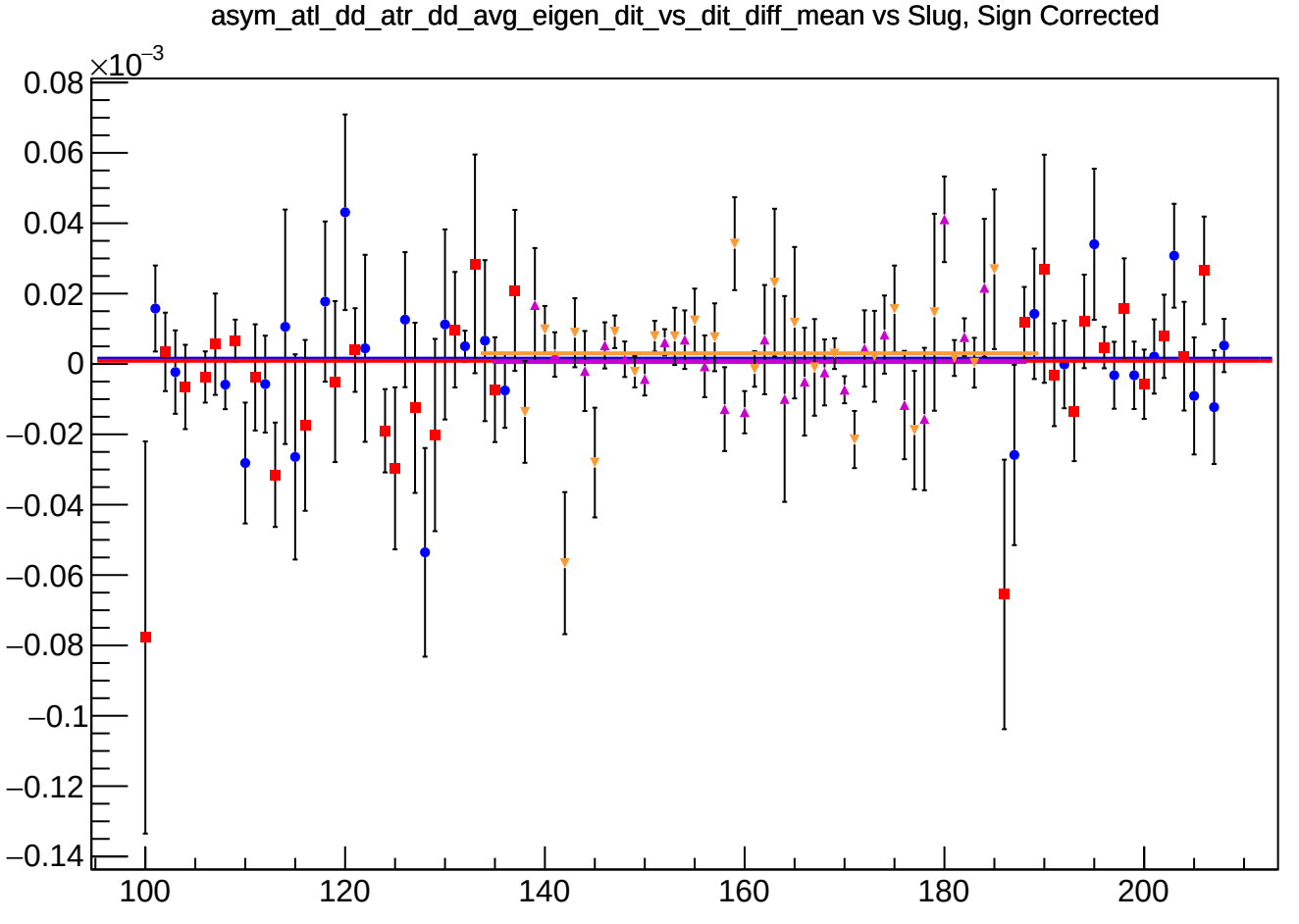
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.440+/-0.020 χ^2/NDF: 7121018.1/57

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

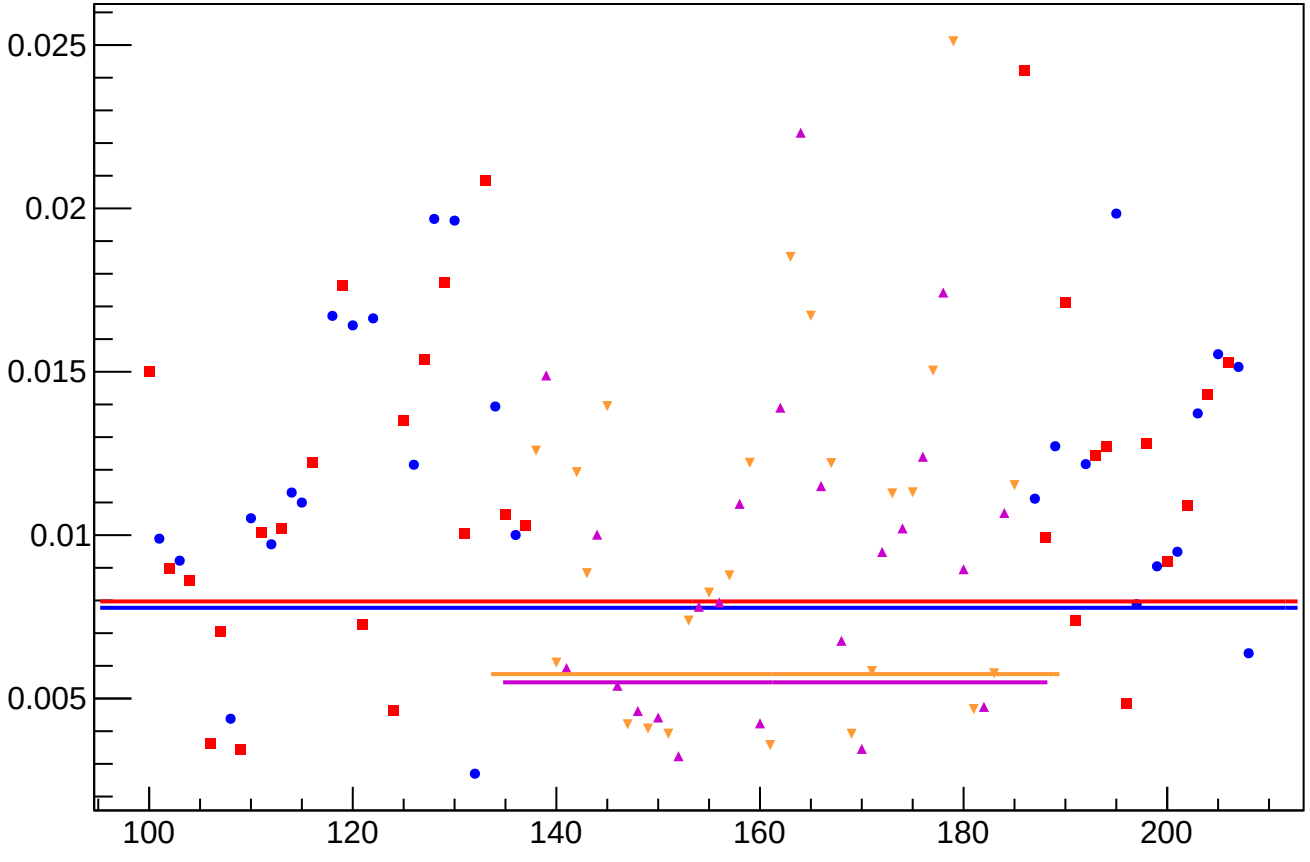
Right: 0.000+/-0.000 χ^2/NDF: 53.4/57

In: 0.000+/-0.000 χ^2/NDF:57.9/49

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 130.3/105

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

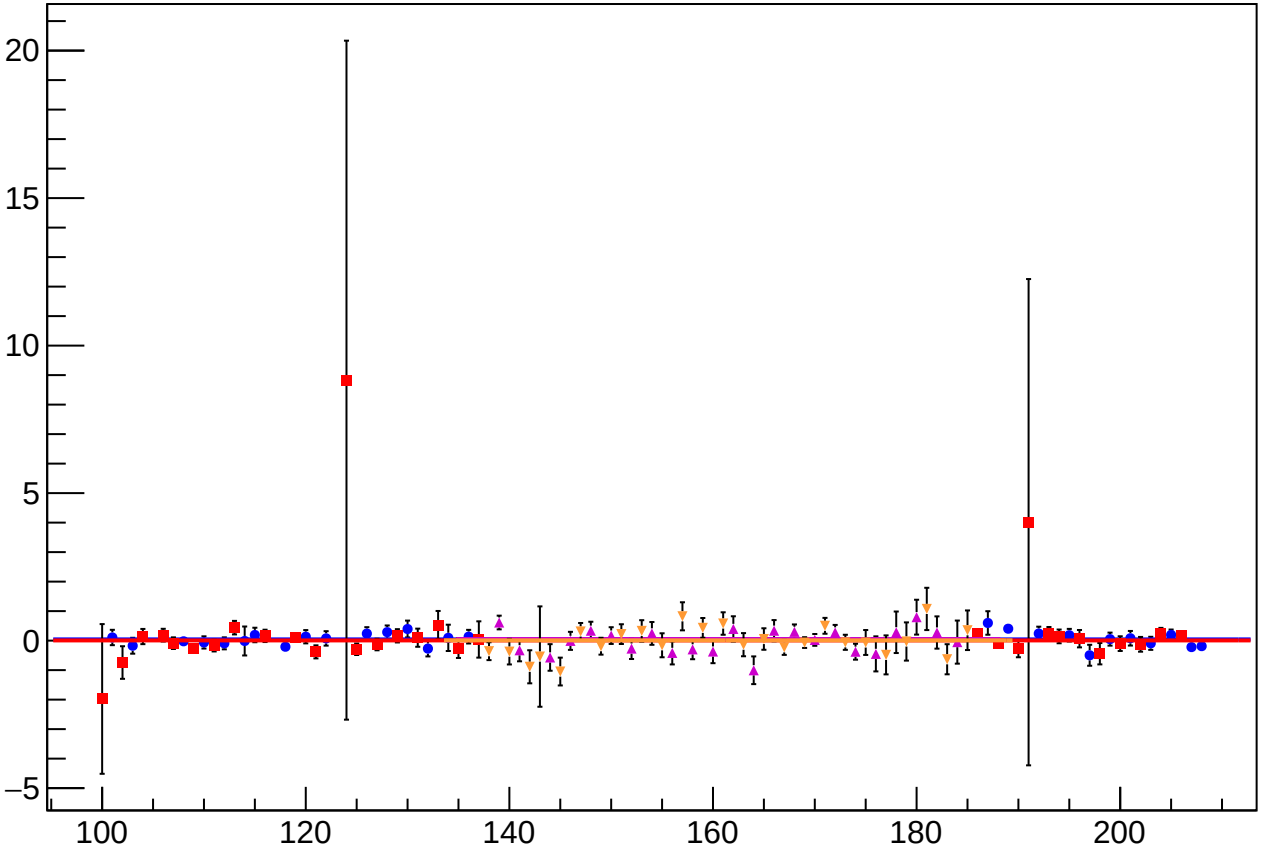
Right: 0.008+/-0.000 χ^2/NDF: 13917132.3/57

In: 0.006+/-0.000 χ^2/NDF:15801355.3/49

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31728076.9/105

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

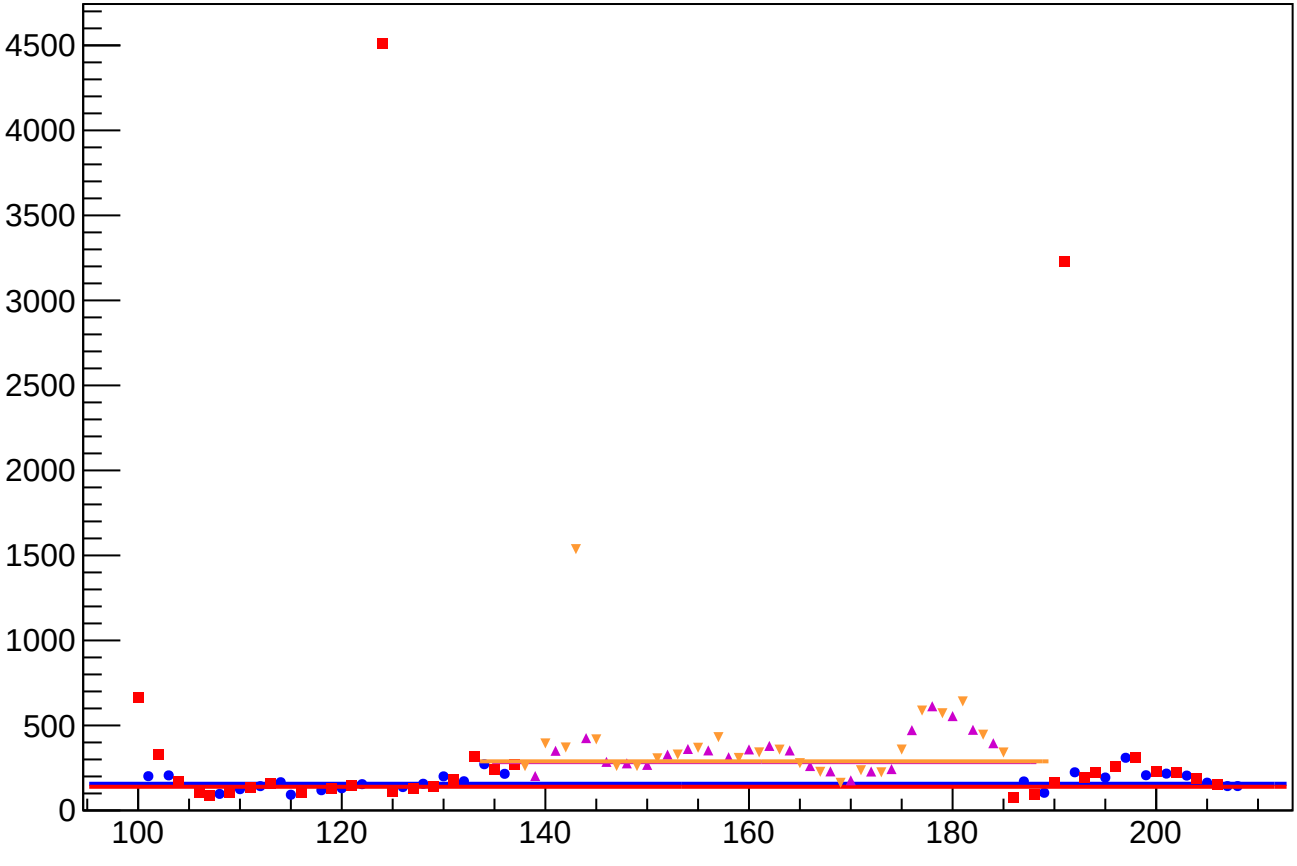
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

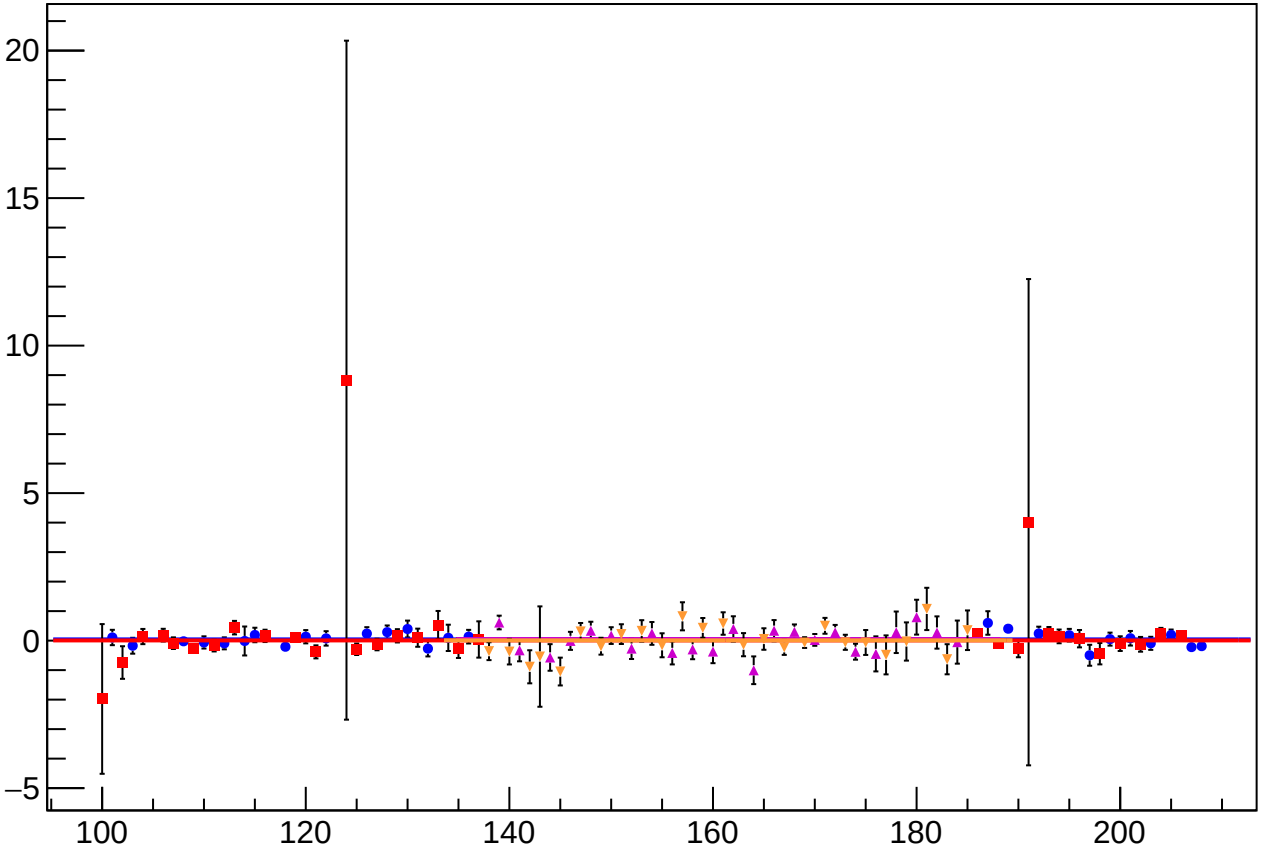
Right: 147.441+/-0.020 χ^2/NDF: 7120804.8/57

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

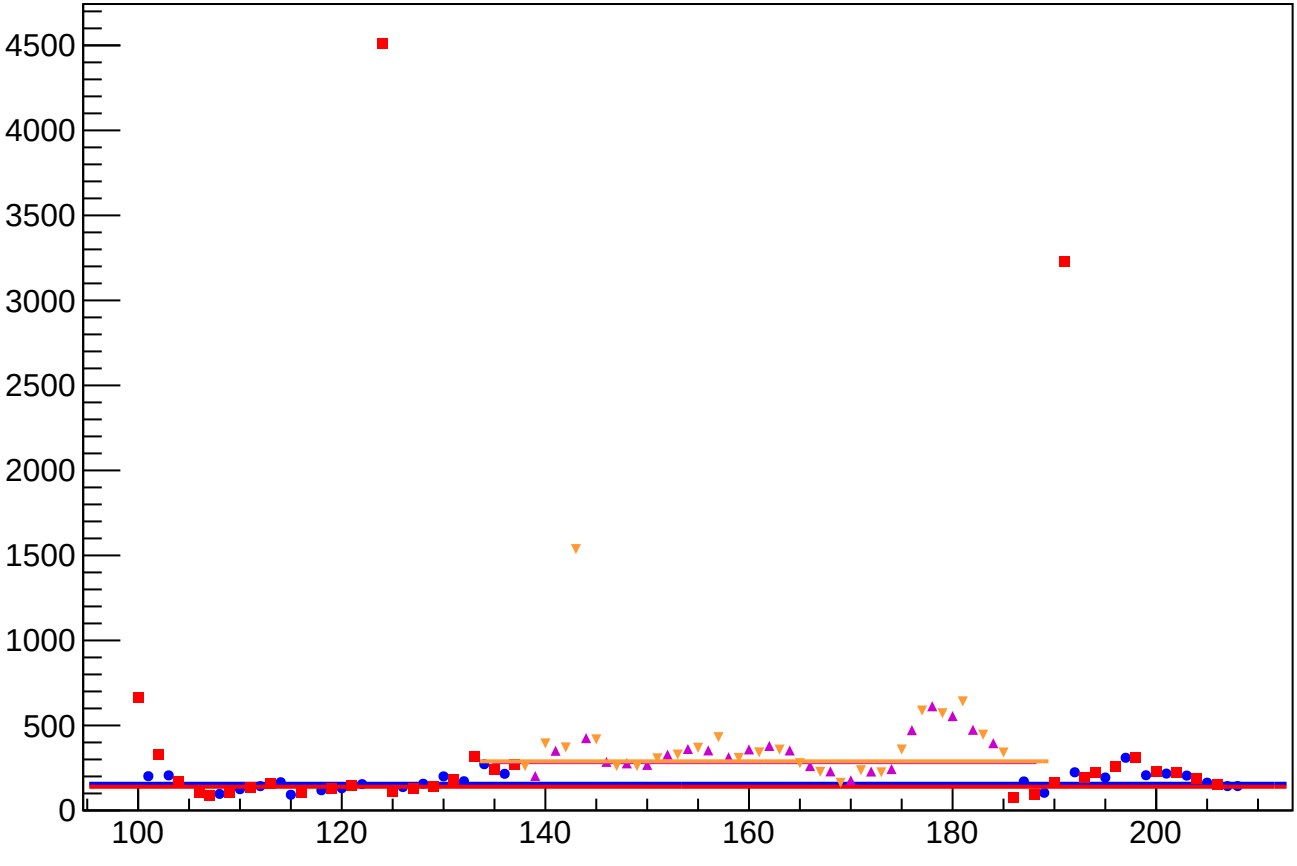
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

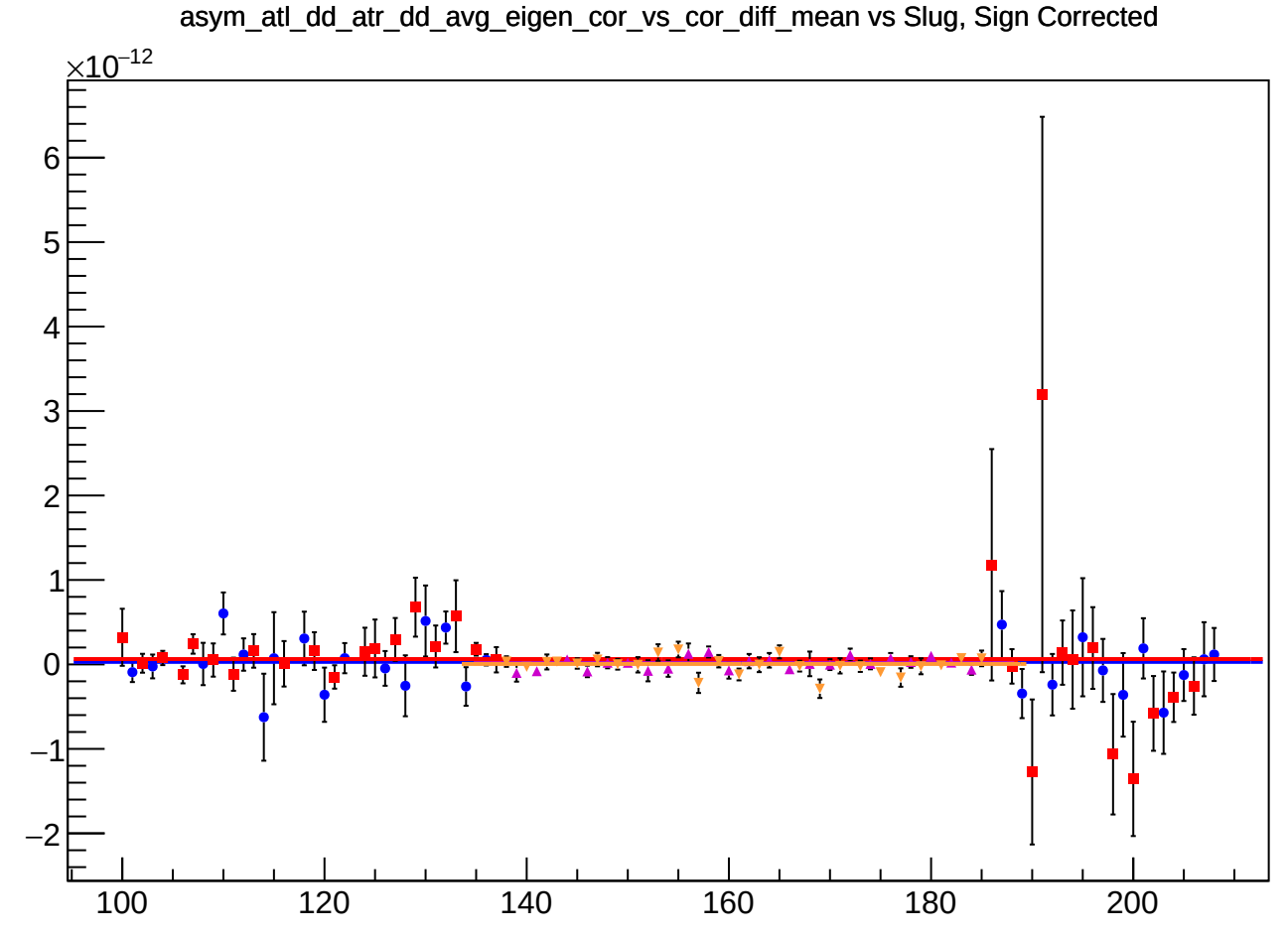
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.441+/-0.020 χ^2/NDF: 7120804.8/57

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

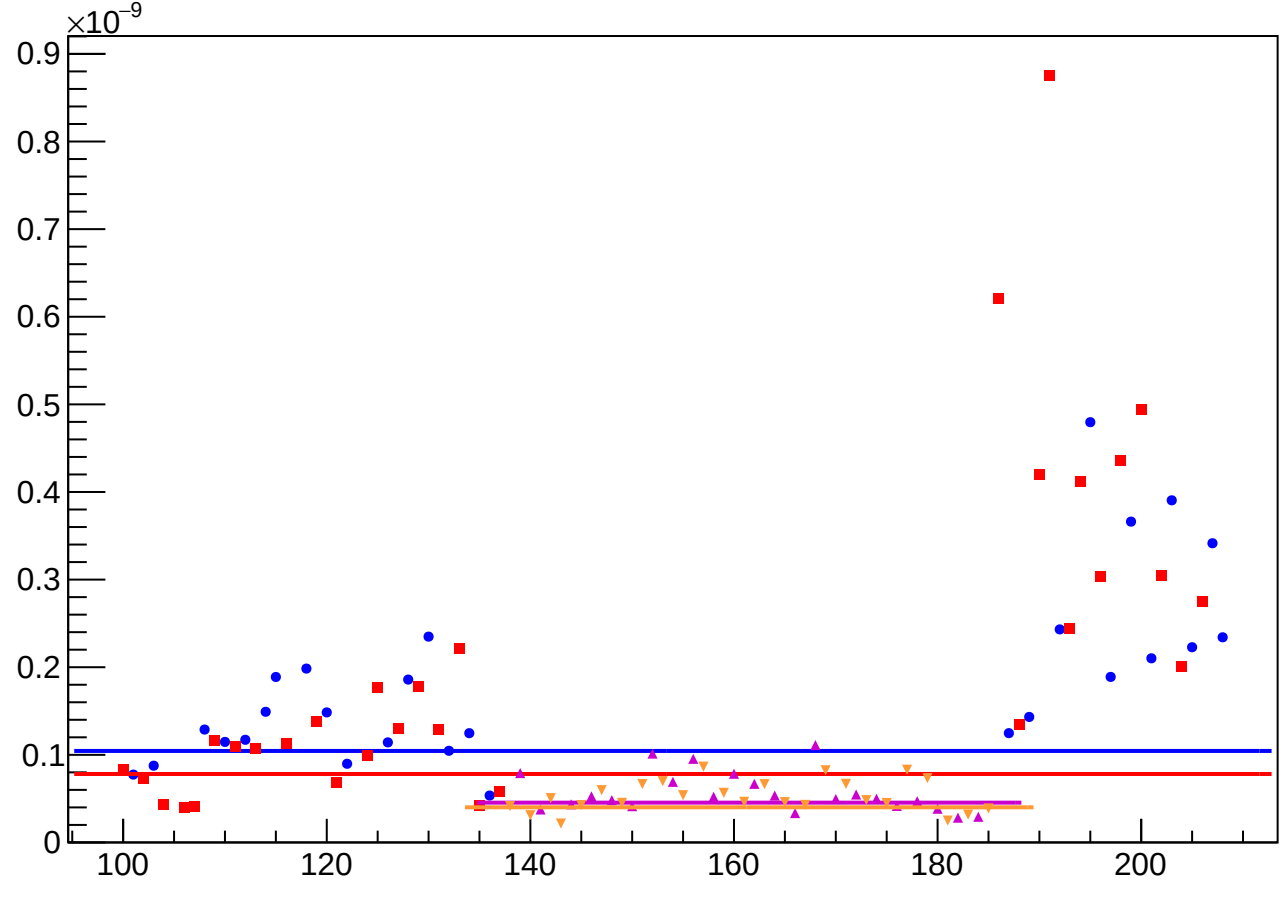
Right: 0.000+/-0.000 χ^2/NDF: 61.1/57

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.9/105

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

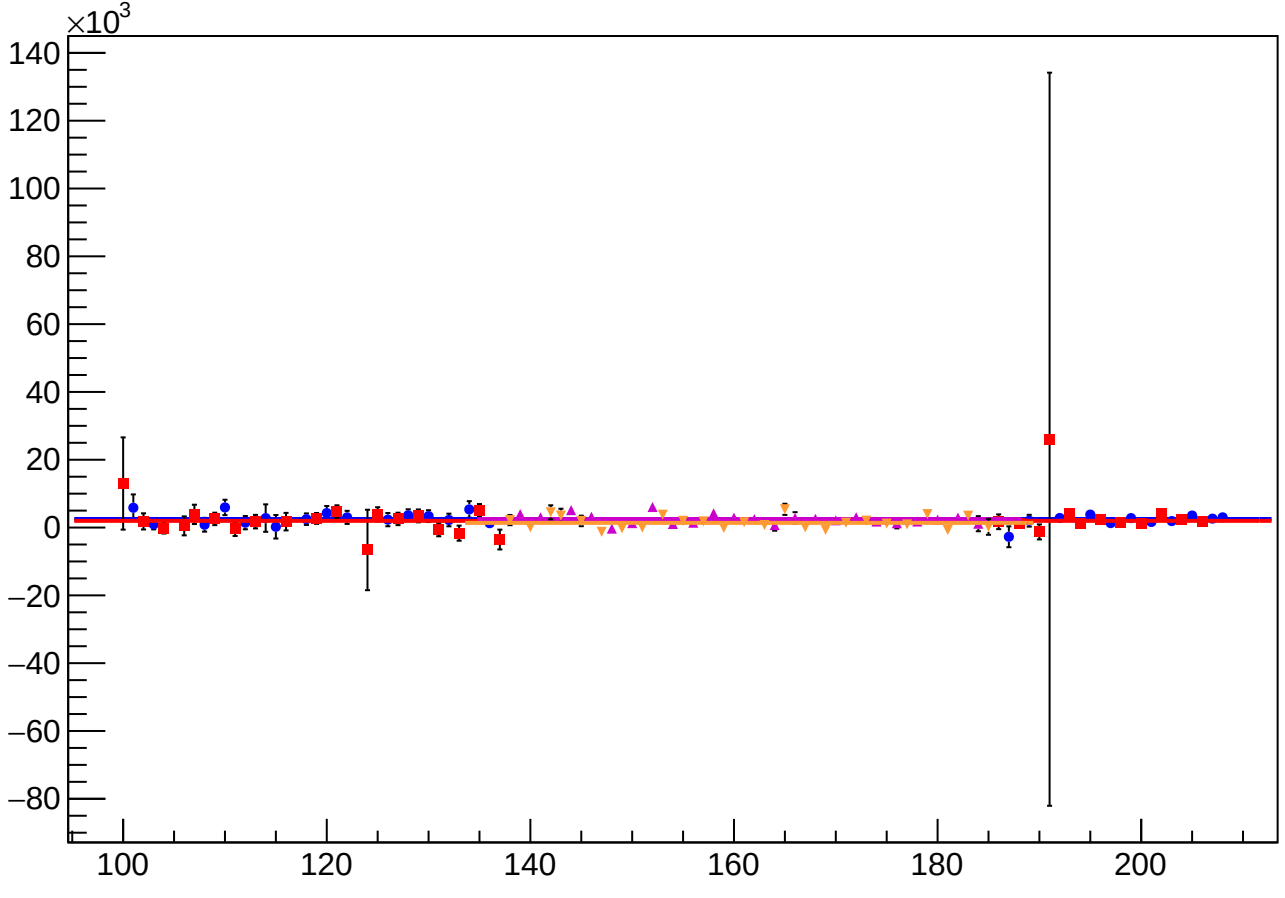
Right: 0.000+/-0.000 χ^2/NDF: 13720155.2/57

In: 0.000+/-0.000 χ^2/NDF:12262093.7/49

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 26150673.6/105

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2520.248+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1979.540+/-328.736 χ^2/NDF: 28.1/30

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

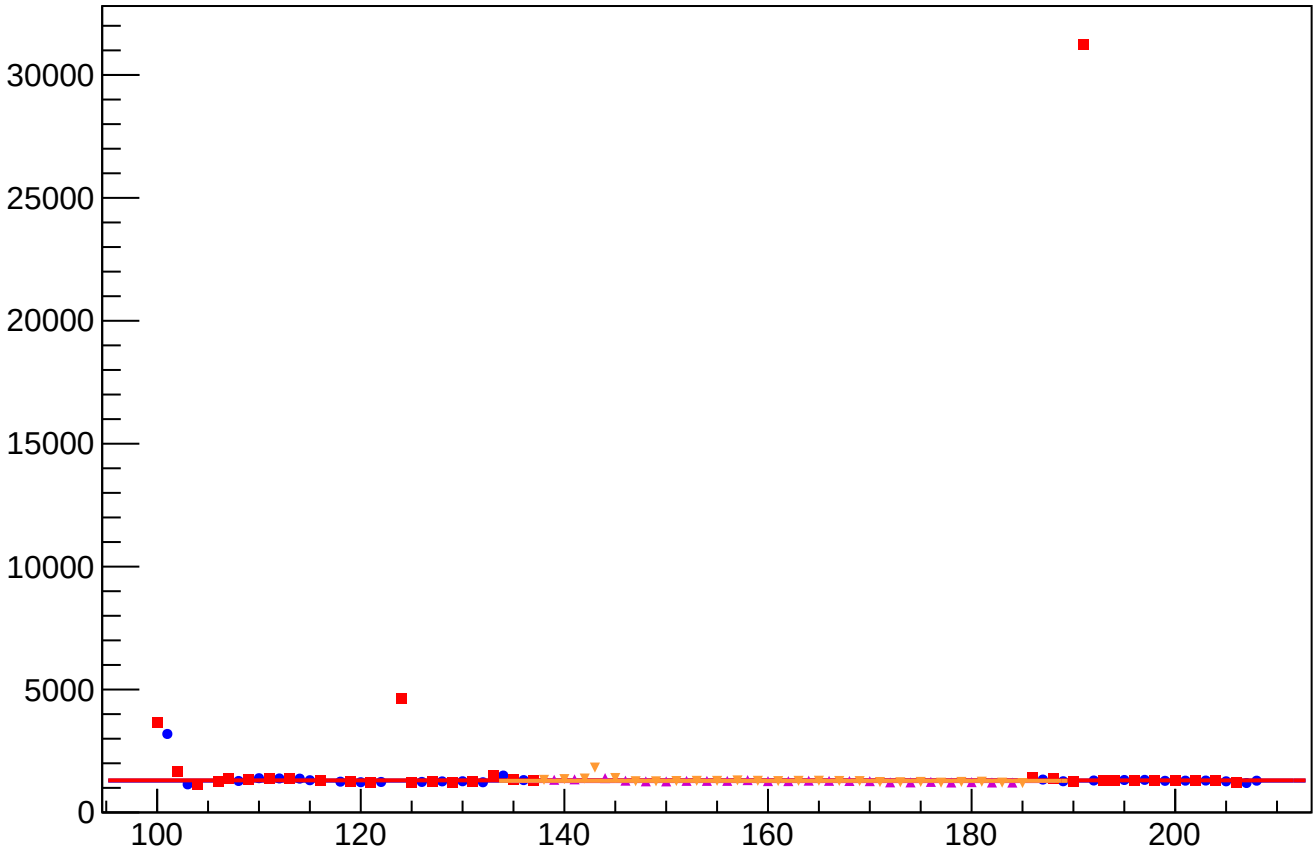
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2250.286+/-232.283 χ^2/NDF: 44.4/57

In: 2519.764+/-220.681 χ^2/NDF:37.4/49

Out: 1647.011+/-218.637 χ^2/NDF:62.9/55

All: 2079.327+/-155.317 χ^2/NDF: 108.2/105



Right In: 1294.607+/-0.232 χ^2/NDF: 532239.9/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1306.088+/-0.232 χ^2/NDF: 505157.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

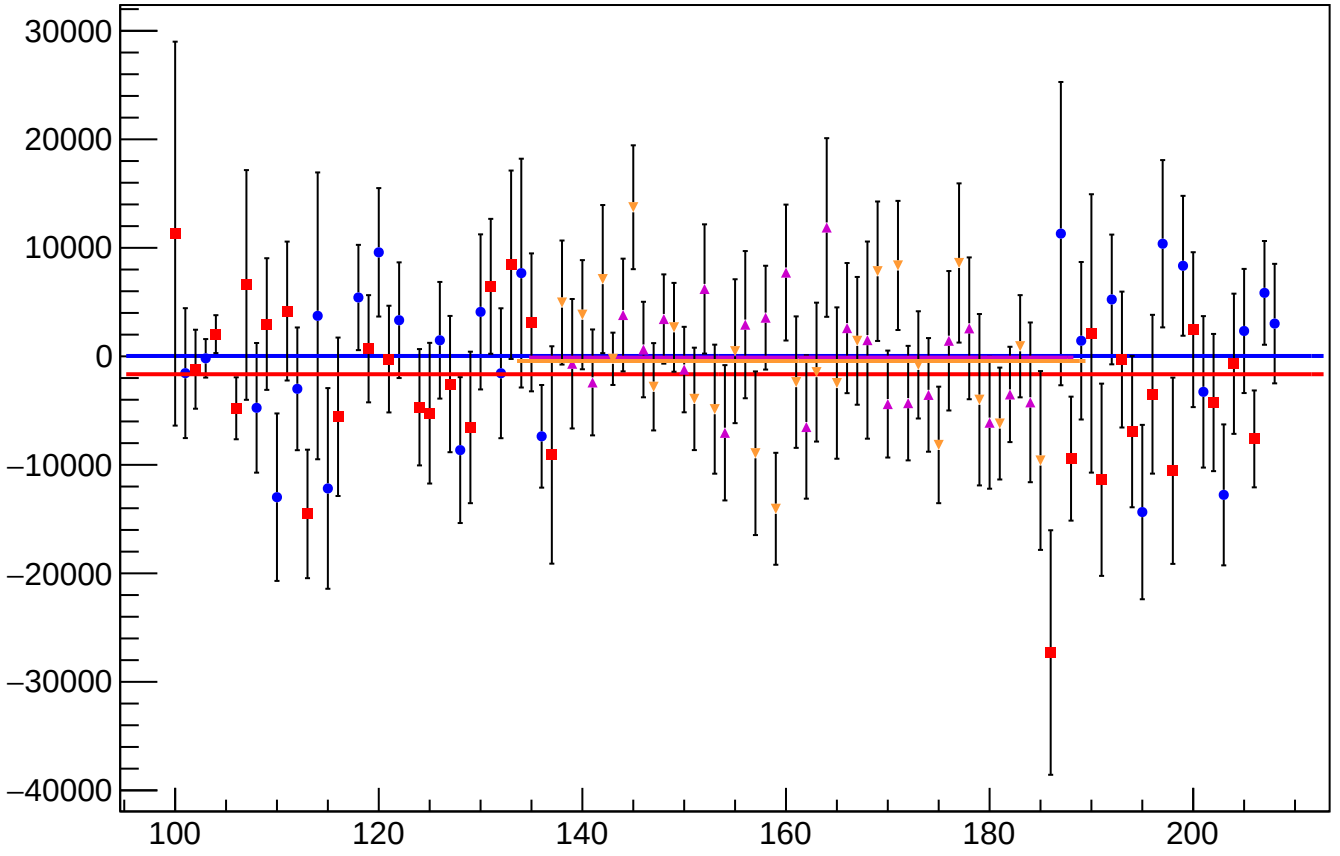
Right: 1300.346+/-0.164 χ^2/NDF: 1038620.3/57

In: 1284.377+/-0.156 χ^2/NDF:577183.2/49

Out: 1294.702+/-0.155 χ^2/NDF:700501.8/55

All: 1289.590+/-0.110 χ^2/NDF: 1279895.5/10

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 34.314+/-1019.173 χ^2/NDF: 29.2/26

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1648.800+/-931.650 χ^2/NDF: 31.3/30

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

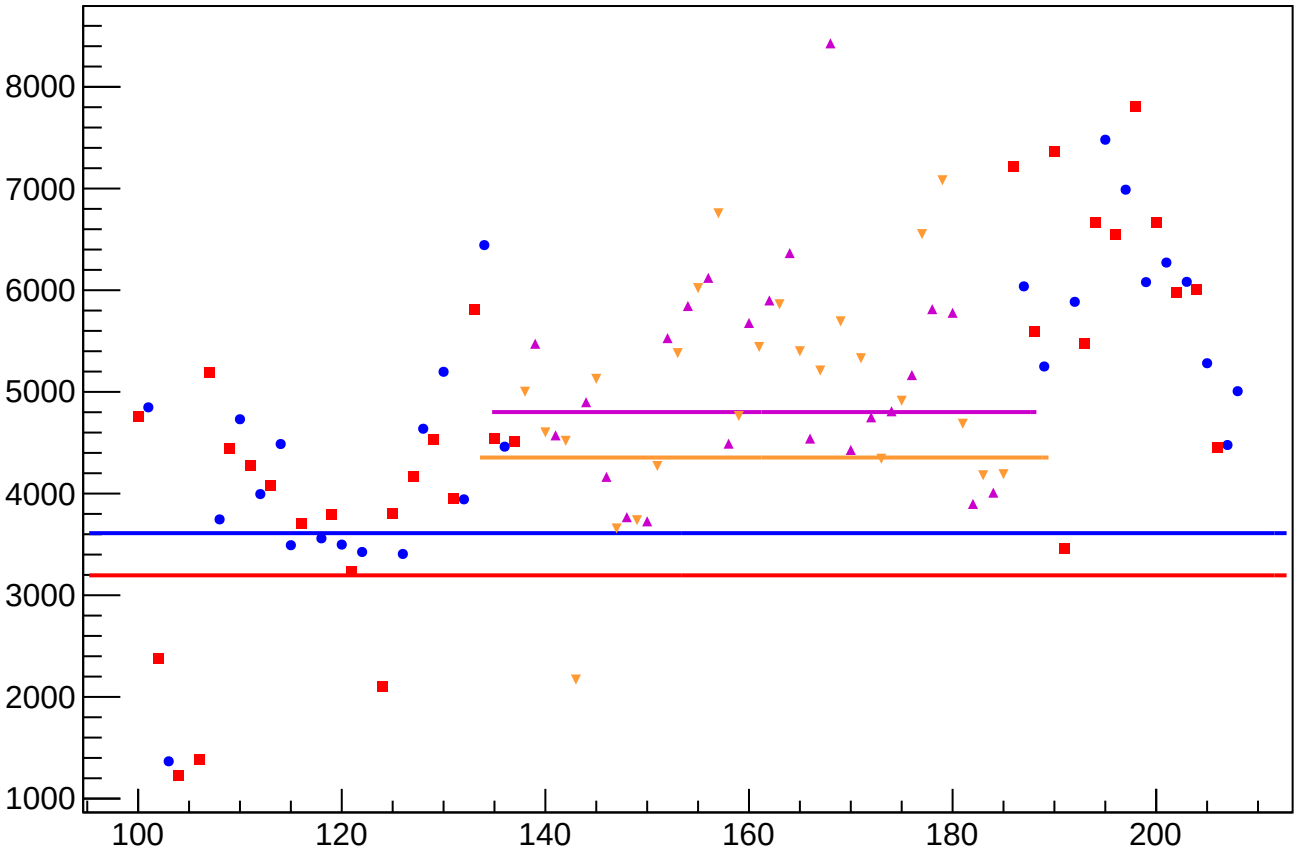
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -882.603+/-687.640 χ^2/NDF: 61.9/57

In: -33.627+/-761.189 χ^2/NDF:42.8/49

Out: -1104.383+/-693.348 χ^2/NDF:61.9/55

All: -618.838+/-512.580 χ^2/NDF: 105.7/105



Right In: 3610.718+/-0.721 χ^2/NDF: 6247457.6/26

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3195.705+/-0.659 χ^2/NDF: 8288001.1/30

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

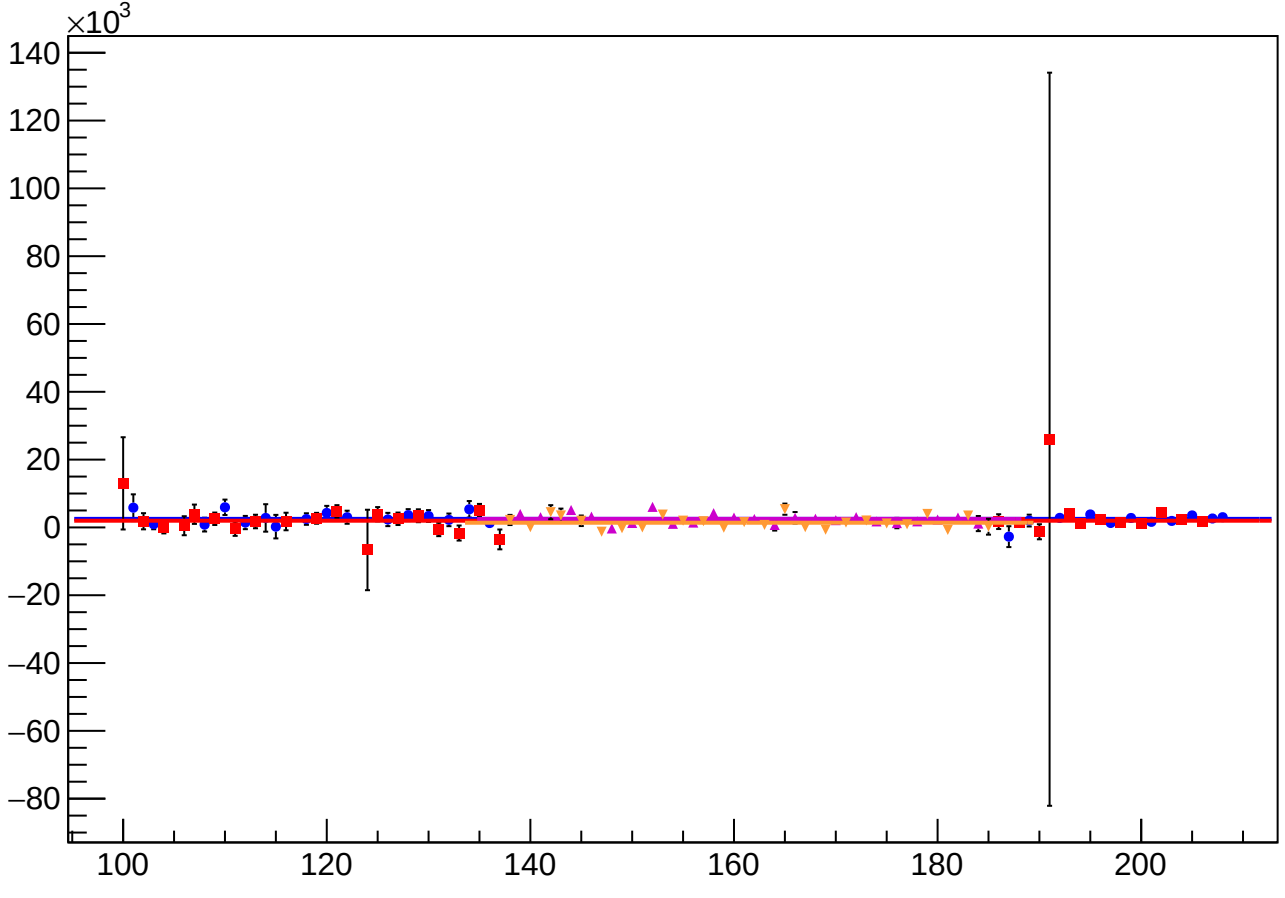
Right: 3384.629+/-0.486 χ^2/NDF: 14716124.0/57

In: 4137.297+/-0.538 χ^2/NDF:8686758.5/49

Out: 3712.706+/-0.490 χ^2/NDF:12739927.5/55

All: 3905.241+/-0.362 χ^2/NDF: 21766787.9/1

cor_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1979.426+/-328.736 χ^2/NDF: 28.1/30

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

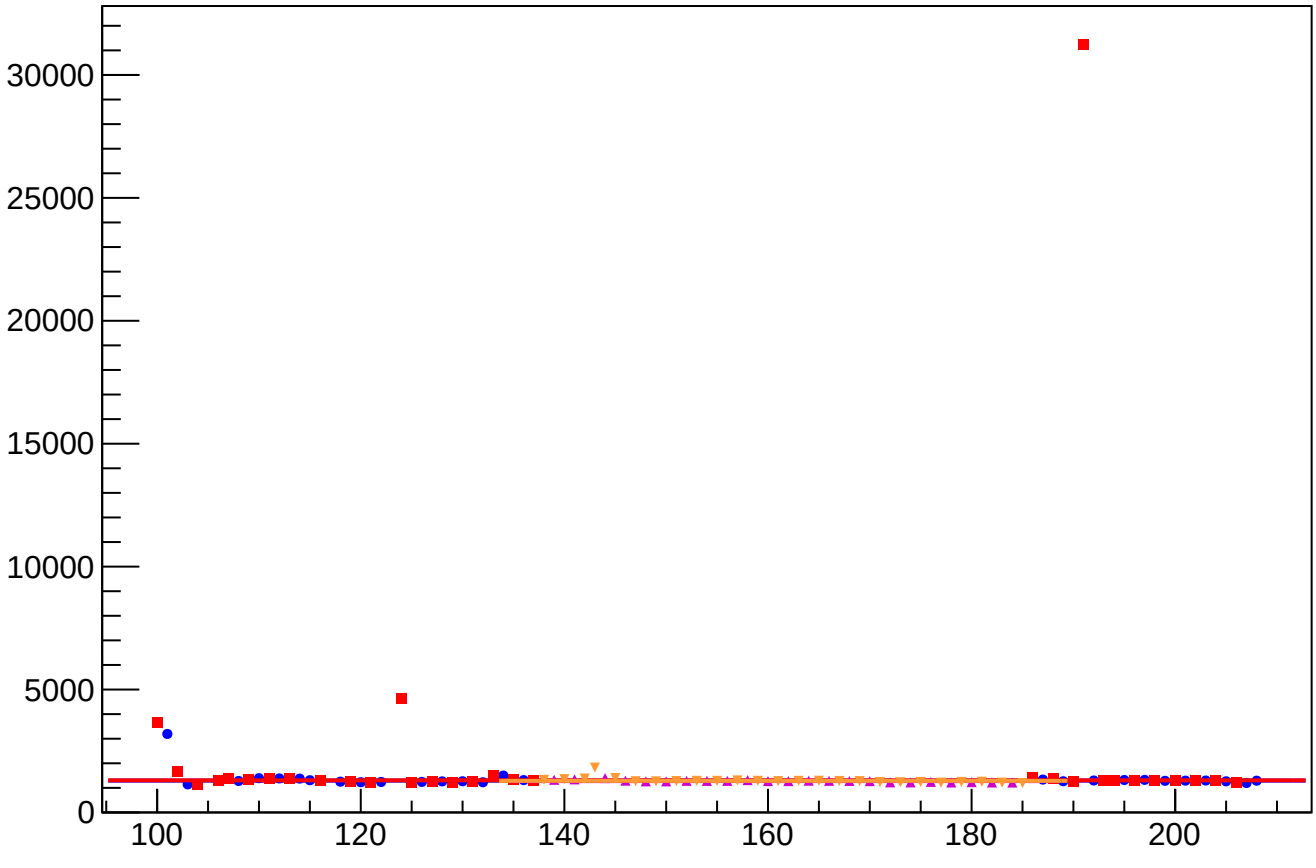
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2250.191+/-232.283 χ^2/NDF: 44.4/57

In: 2519.731+/-220.681 χ^2/NDF:37.4/49

Out: 1646.925+/-218.637 χ^2/NDF:62.9/55

All: 2079.267+/-155.317 χ^2/NDF: 108.2/105



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

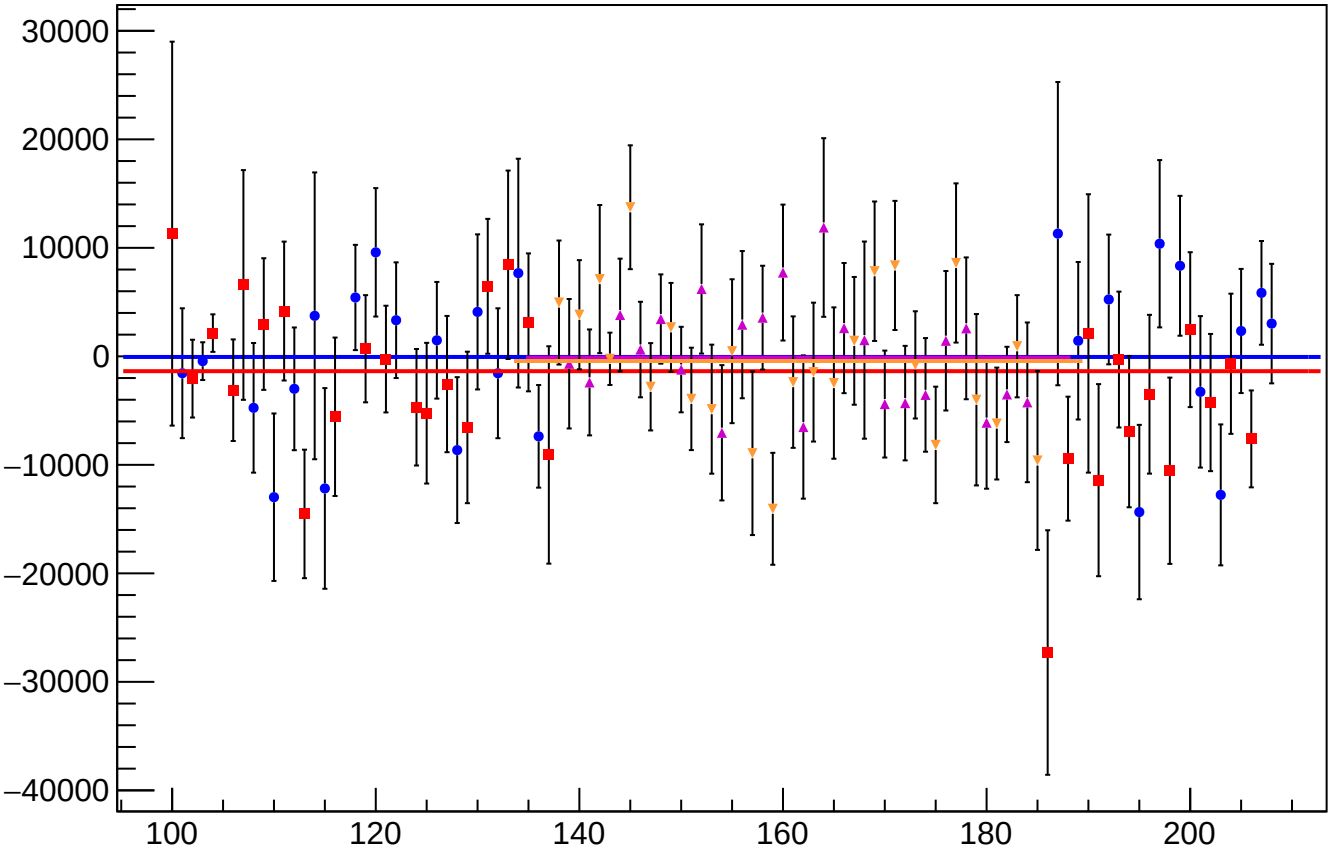
Right: 1300.590+/-0.164 χ^2/NDF: 1038423.6/57

In: 1284.377+/-0.156 χ^2/NDF:577184.6/49

Out: 1294.916+/-0.155 χ^2/NDF:700405.7/55

All: 1289.698+/-0.110 χ^2/NDF: 1279893.4/10

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

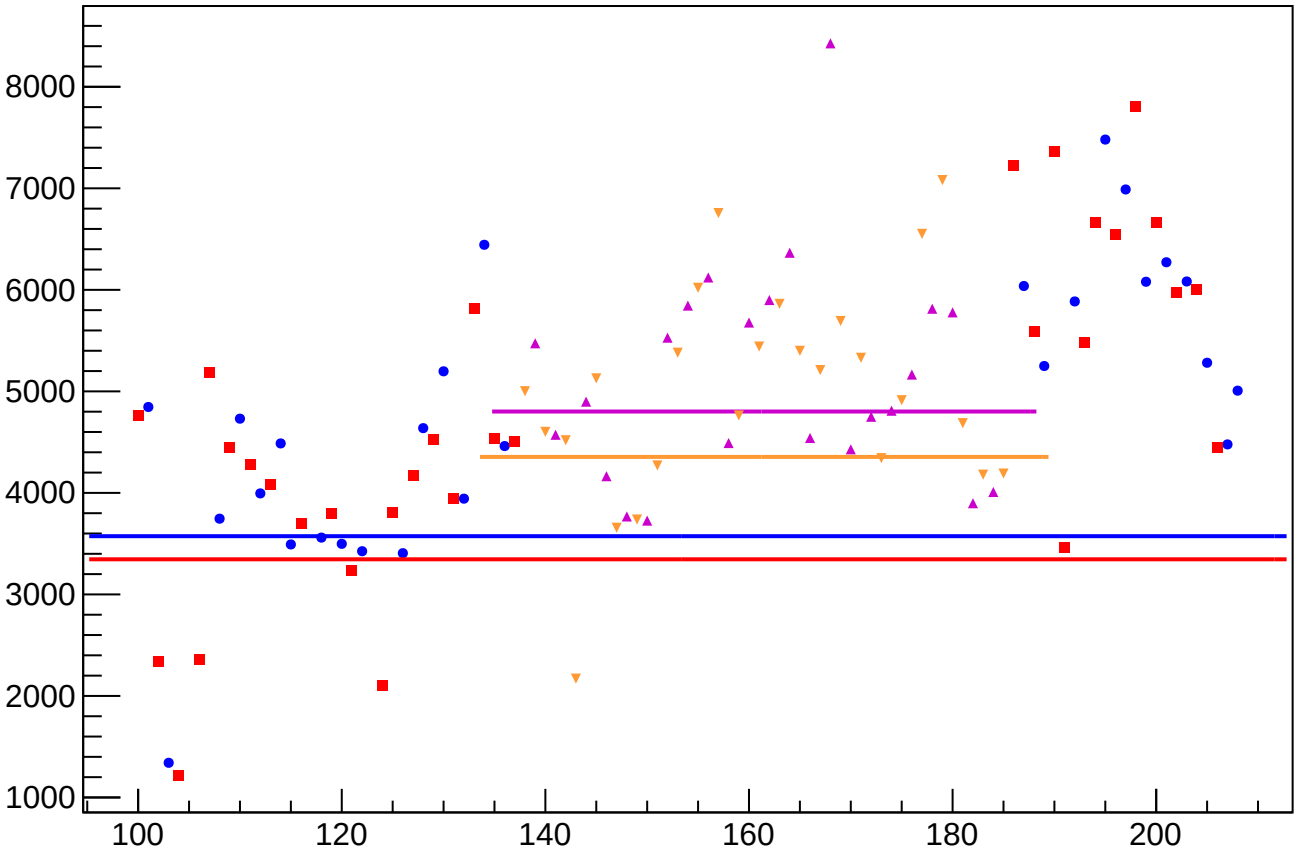
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -746.398+/-696.945 χ^2/NDF: 60.5/57

In: -84.208+/-758.458 χ^2/NDF:42.8/49

Out: -934.076+/-705.061 χ^2/NDF:60.7/55

All: -540.108+/-516.399 χ^2/NDF: 104.2/105



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

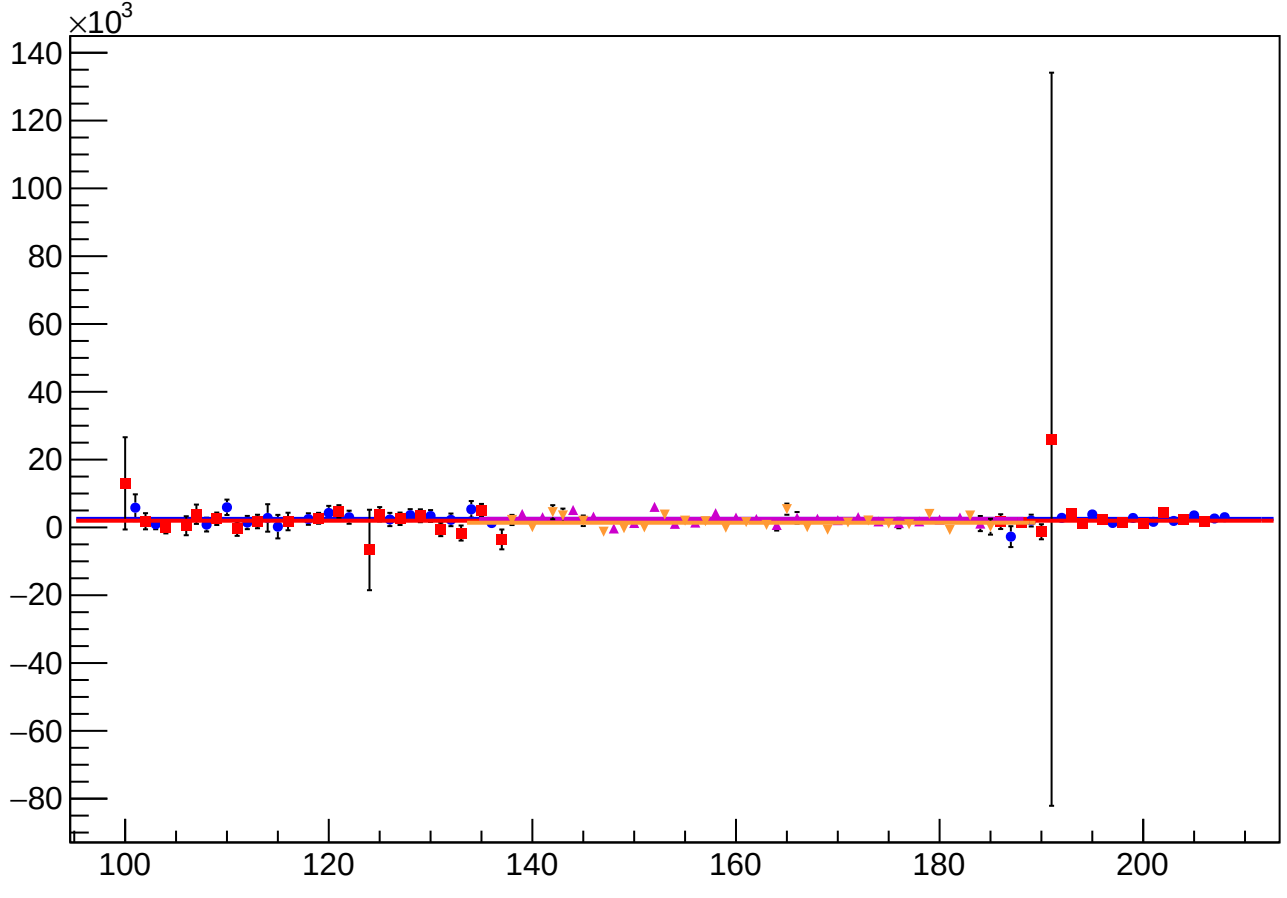
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3453.754+/-0.493 χ^2/NDF: 14089736.4/57

In: 4112.670+/-0.536 χ^2/NDF:8968115.5/49

Out: 3811.245+/-0.499 χ^2/NDF:11680134.1/55

All: 3950.975+/-0.365 χ^2/NDF: 20817701.2/1



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1979.426+/-328.736 χ^2/NDF: 28.1/30

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

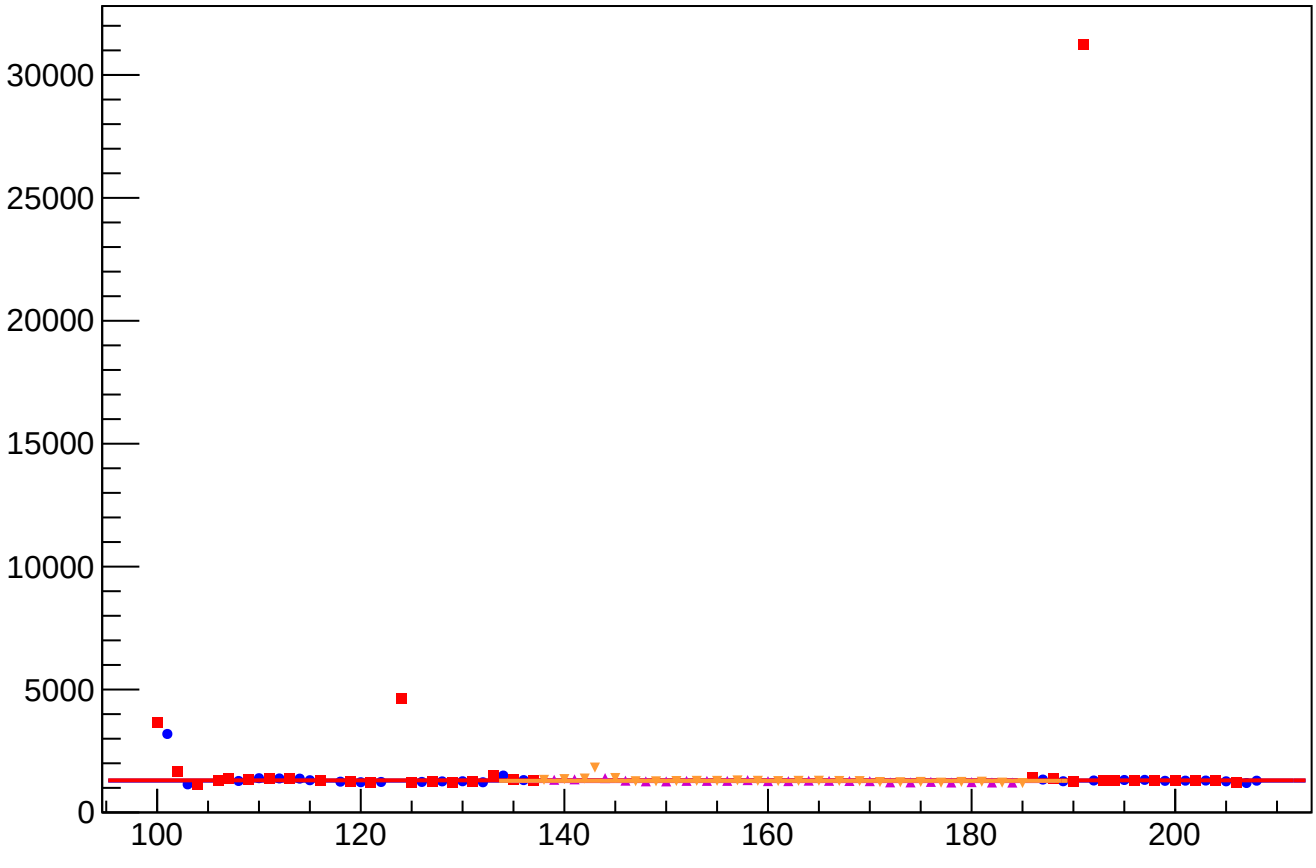
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2250.191+/-232.283 χ^2/NDF: 44.4/57

In: 2519.731+/-220.681 χ^2/NDF:37.4/49

Out: 1646.925+/-218.637 χ^2/NDF:62.9/55

All: 2079.267+/-155.317 χ^2/NDF: 108.2/105



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

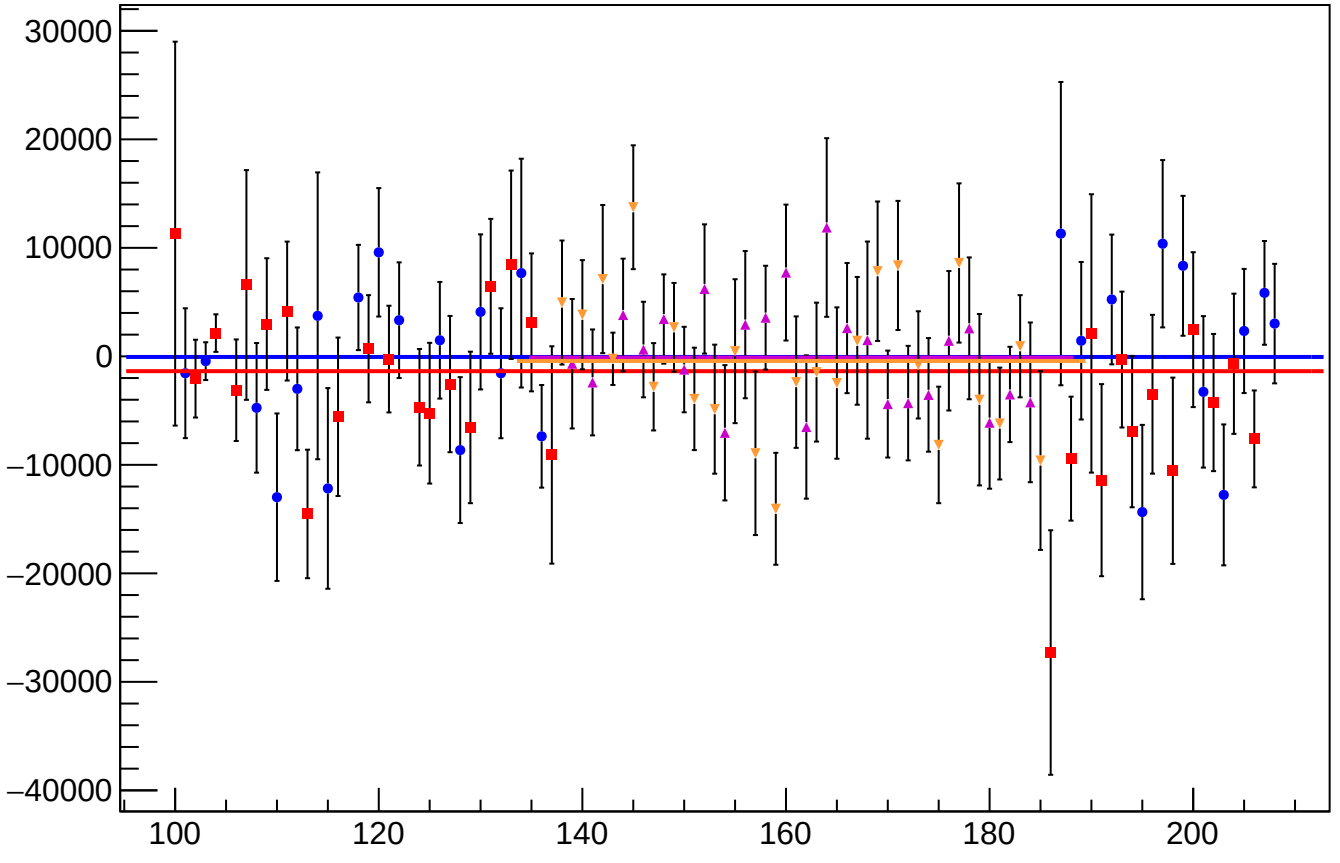
Right: 1300.590+/-0.164 χ^2/NDF: 1038423.6/57

In: 1284.377+/-0.156 χ^2/NDF:577184.6/49

Out: 1294.916+/-0.155 χ^2/NDF:700405.7/55

All: 1289.698+/-0.110 χ^2/NDF: 1279893.4/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

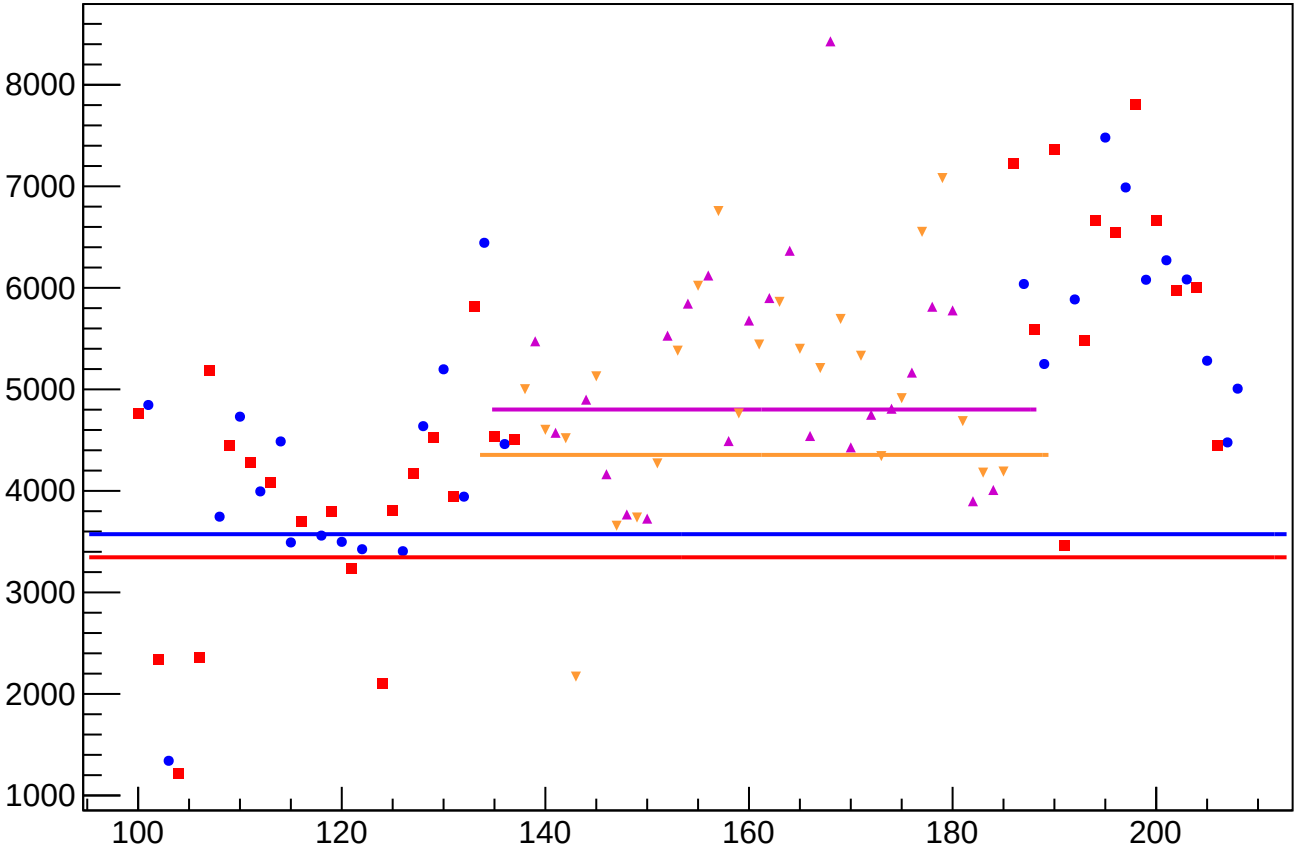
Right: -746.398+/-696.945 χ^2/NDF: 60.5/57

In: -84.208+/-758.458 χ^2/NDF:42.8/49

Out: -934.076+/-705.061 χ^2/NDF:60.7/55

All: -540.108+/-516.399 χ^2/NDF: 104.2/105

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

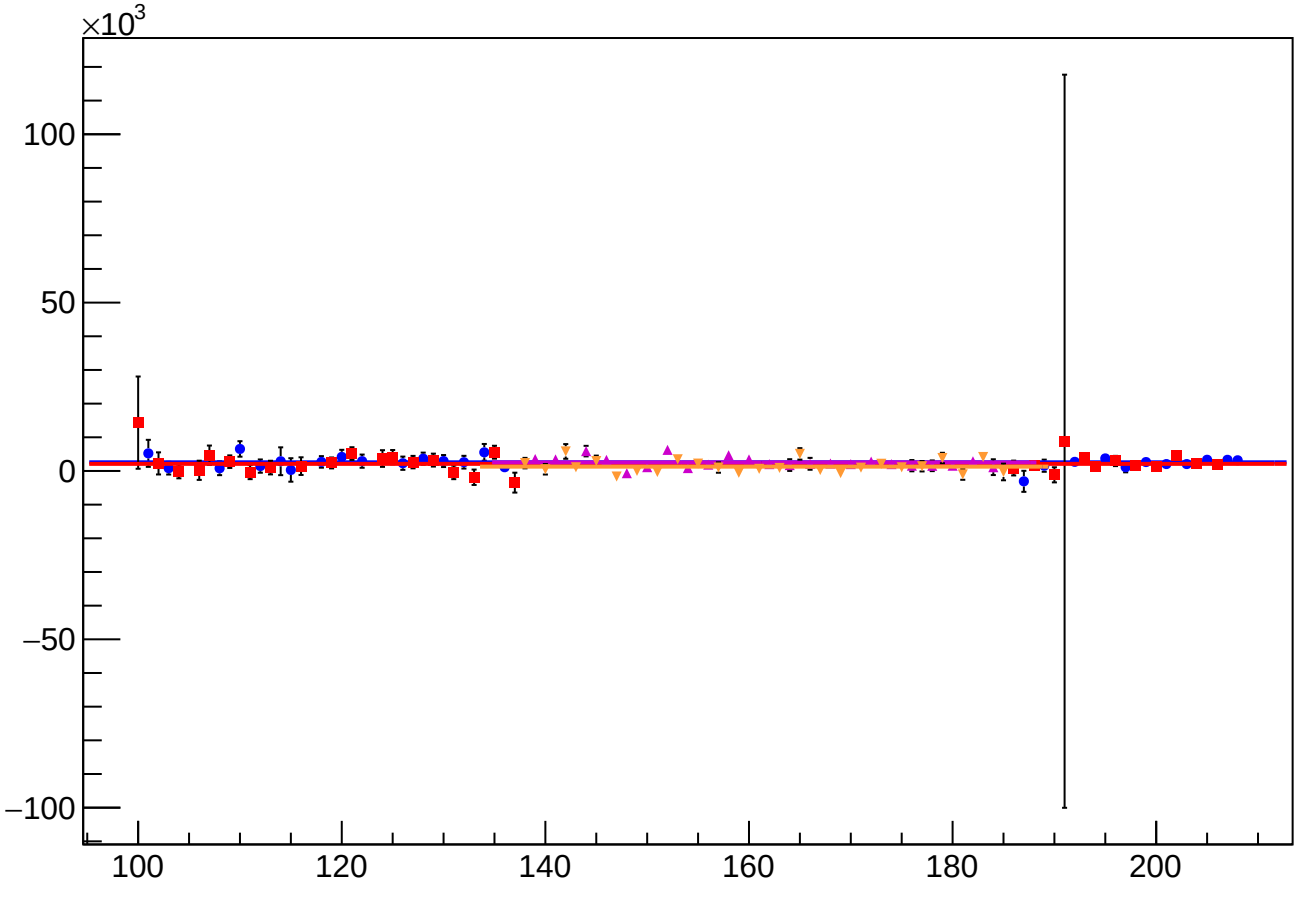
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3453.754+/-0.493 χ^2/NDF: 14089736.4/57

In: 4112.670+/-0.536 χ^2/NDF:8968115.5/49

Out: 3811.245+/-0.499 χ^2/NDF:11680134.1/55

All: 3950.975+/-0.365 χ^2/NDF: 20817701.2/1



Right In: 2570.681+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2109.419+/-336.048 χ^2/NDF: 29.8/30

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

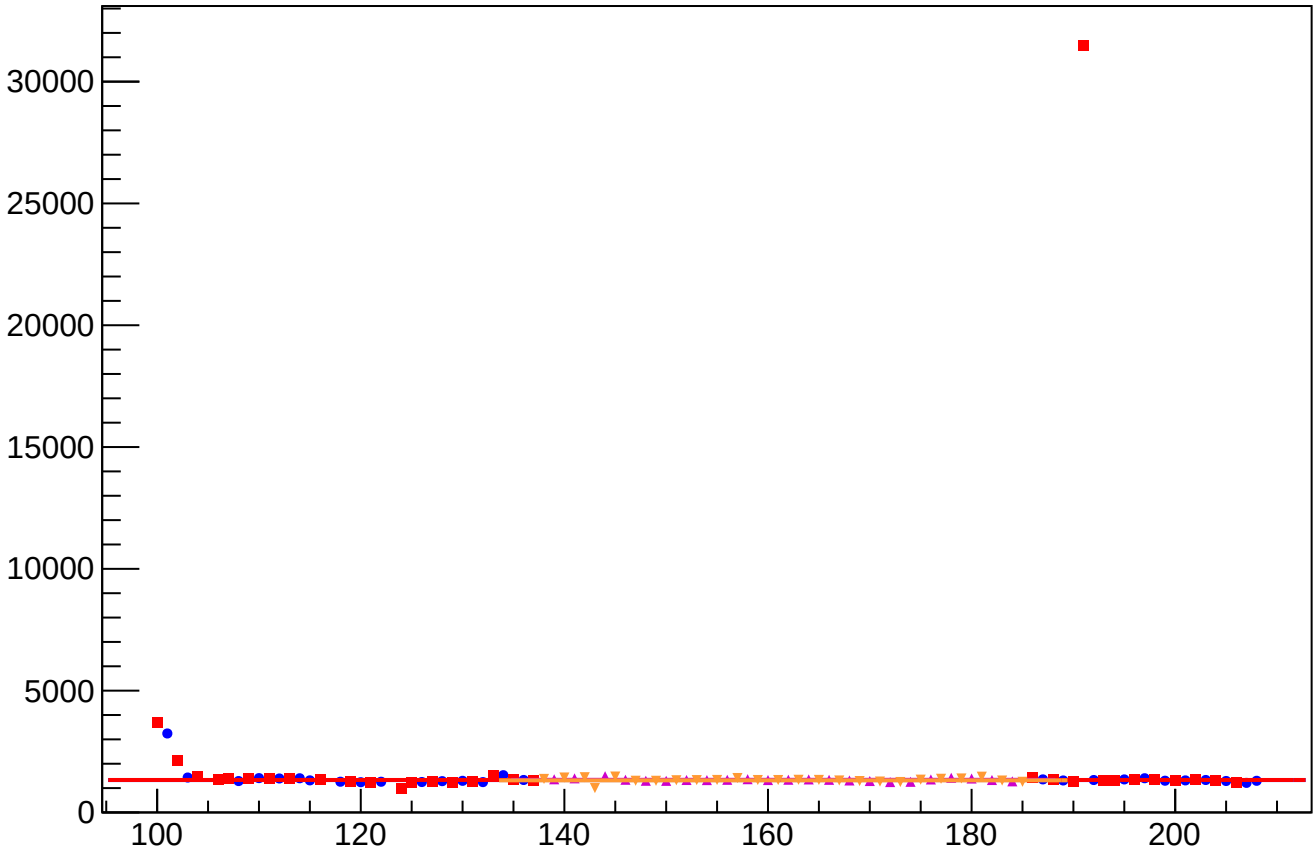
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2339.257+/-238.030 χ^2/NDF: 46.2/57

In: 2549.783+/-229.360 χ^2/NDF:40.6/49

Out: 1651.032+/-224.015 χ^2/NDF:66.5/55

All: 2089.813+/-160.259 χ^2/NDF: 114.9/105



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.1/26

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1333.528+/-0.238 χ^2/NDF: 447623.1/30

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

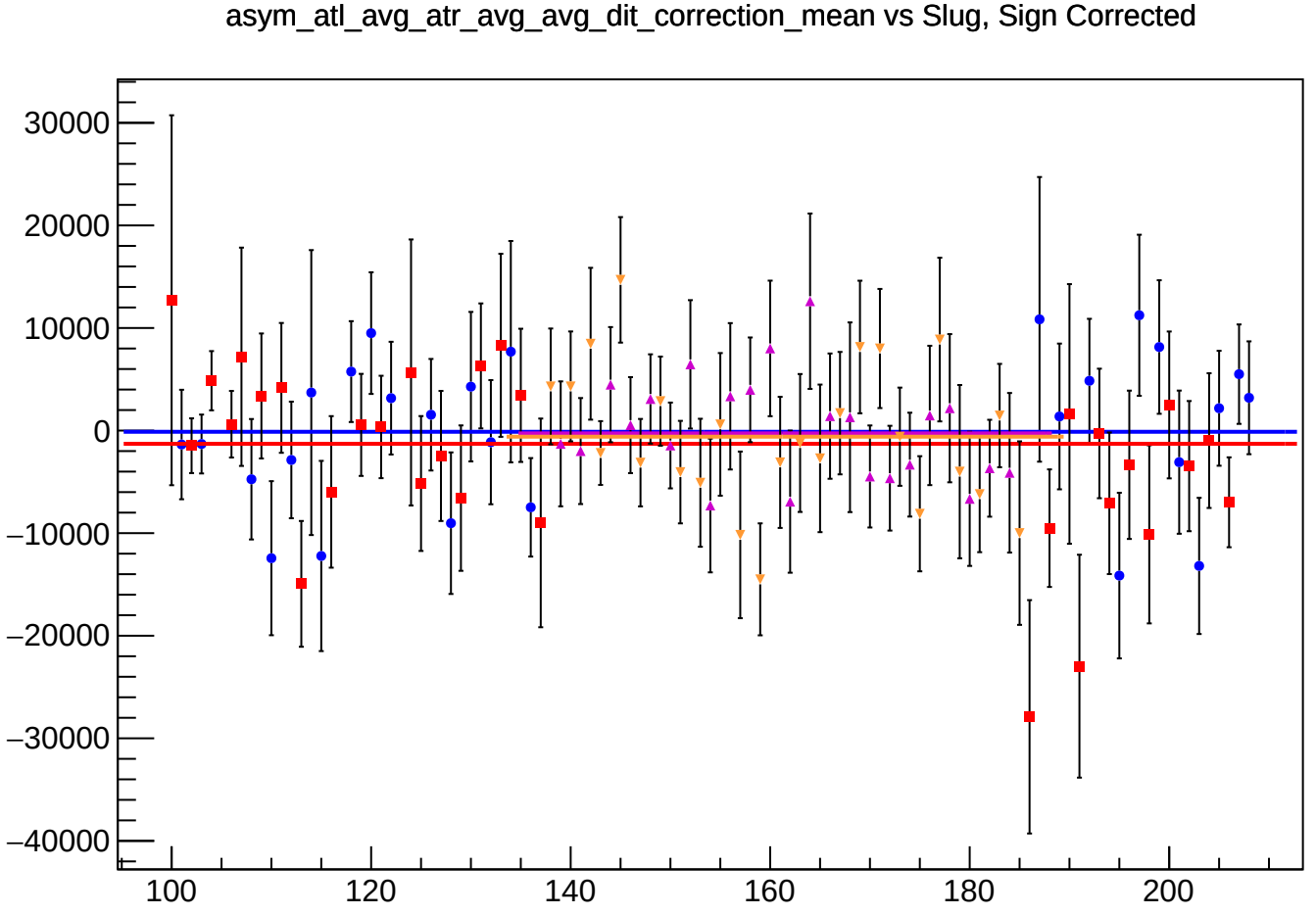
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1331.598+/-0.168 χ^2/NDF: 969968.8/57

In: 1334.462+/-0.162 χ^2/NDF:577218.5/49

Out: 1324.999+/-0.158 χ^2/NDF:698491.3/55

All: 1329.619+/-0.113 χ^2/NDF: 1277452.3/10



Right In: -117.611+/-1143.138 χ^2/NDF: 29.0/26

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -1289.807+/-1030.028 χ^2/NDF: 33.6/30

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

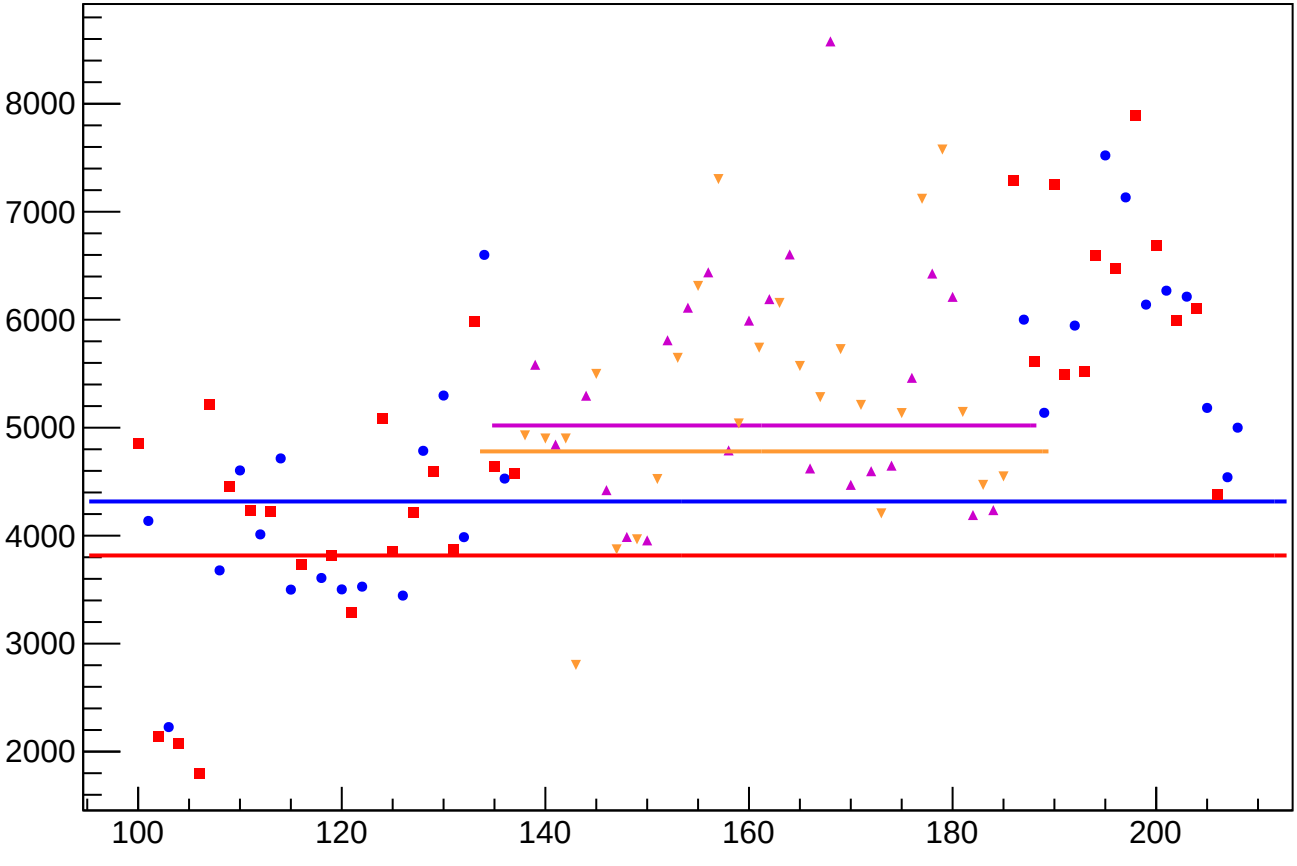
Right: -764.555+/-765.213 χ^2/NDF: 63.2/57

In: -191.703+/-826.642 χ^2/NDF:42.4/49

Out: -972.093+/-758.863 χ^2/NDF:63.4/55

All: -615.198+/-559.026 χ^2/NDF: 106.2/105

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4316.696+/-0.808 χ^2/NDF: 2763090.9/26

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3816.517+/-0.728 χ^2/NDF: 5201996.6/30

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

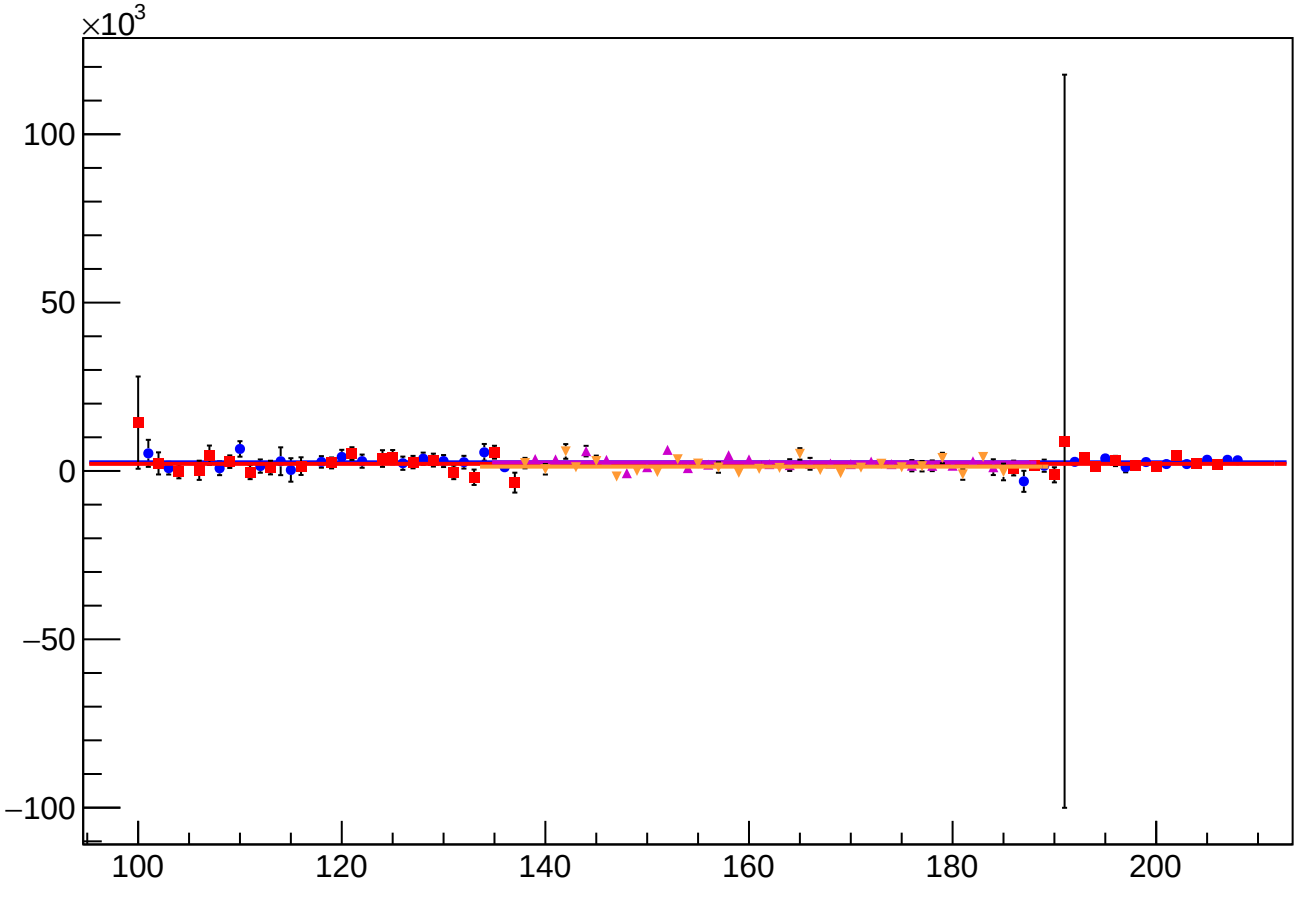
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4040.643+/-0.541 χ^2/NDF: 8176412.5/57

In: 4652.493+/-0.585 χ^2/NDF:4349924.3/49

Out: 4257.216+/-0.537 χ^2/NDF:8008990.7/55

All: 4437.988+/-0.395 χ^2/NDF: 12607077.9/1



Right In: 2570.678+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2109.417+/-336.047 χ^2/NDF: 29.8/30

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

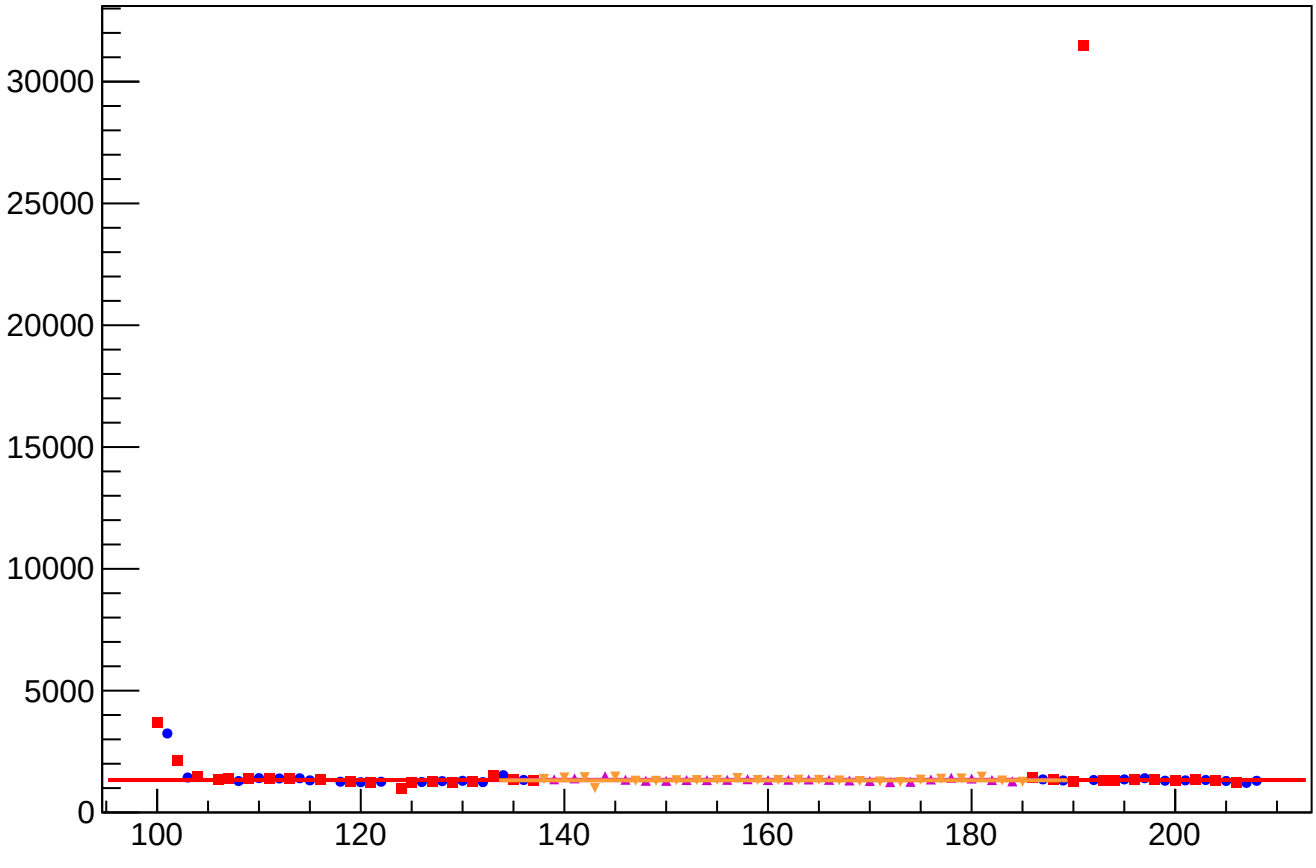
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2339.255+/-238.030 χ^2/NDF: 46.2/57

In: 2549.782+/-229.360 χ^2/NDF:40.6/49

Out: 1651.029+/-224.015 χ^2/NDF:66.5/55

All: 2089.811+/-160.259 χ^2/NDF: 114.9/105



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.2/26

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1333.528+/-0.238 χ^2/NDF: 447622.1/30

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

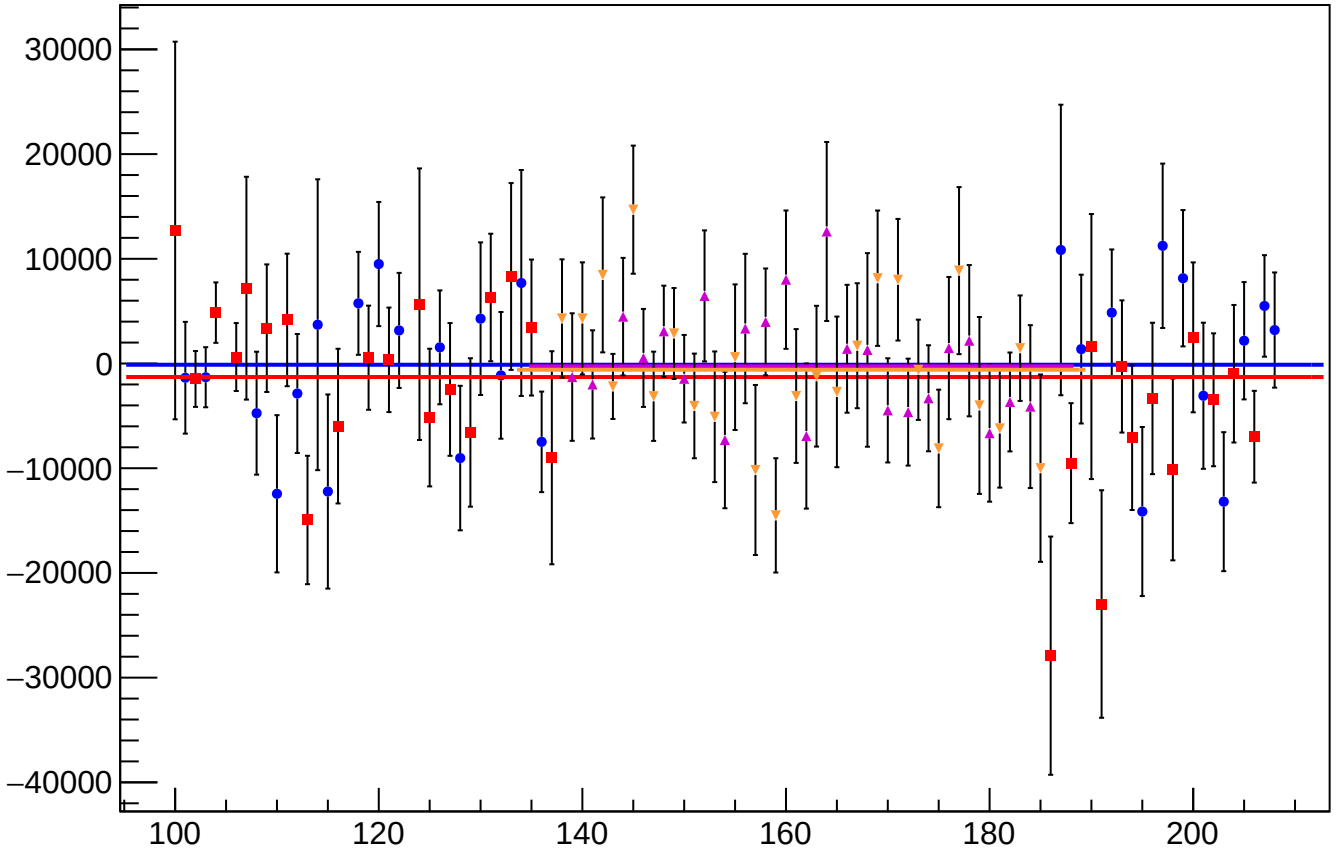
Right: 1331.598+/-0.168 χ^2/NDF: 969967.9/57

In: 1334.463+/-0.162 χ^2/NDF:577221.4/49

Out: 1325.000+/-0.158 χ^2/NDF:698492.4/55

All: 1329.619+/-0.113 χ^2/NDF: 1277456.3/10

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -117.609+/-1143.137 χ^2/NDF: 29.0/26

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -1289.799+/-1030.026 χ^2/NDF: 33.6/30

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

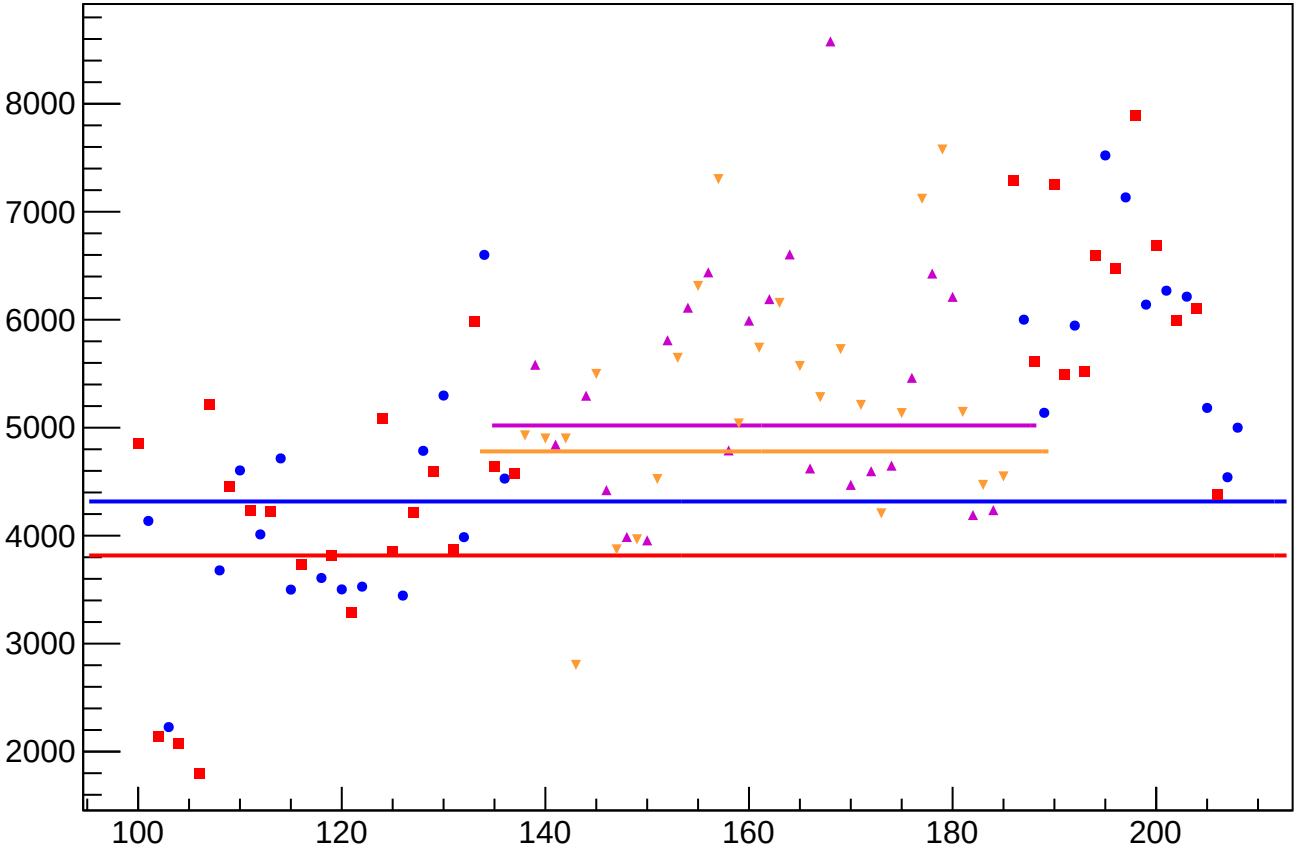
Right: -764.550+/-765.212 χ^2/NDF: 63.2/57

In: -191.702+/-826.642 χ^2/NDF:42.4/49

Out: -972.092+/-758.863 χ^2/NDF:63.4/55

All: -615.197+/-559.026 χ^2/NDF: 106.2/105

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4316.690+/-0.808 χ^2/NDF: 2763118.7/26

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3816.508+/-0.728 χ^2/NDF: 5202030.9/30

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

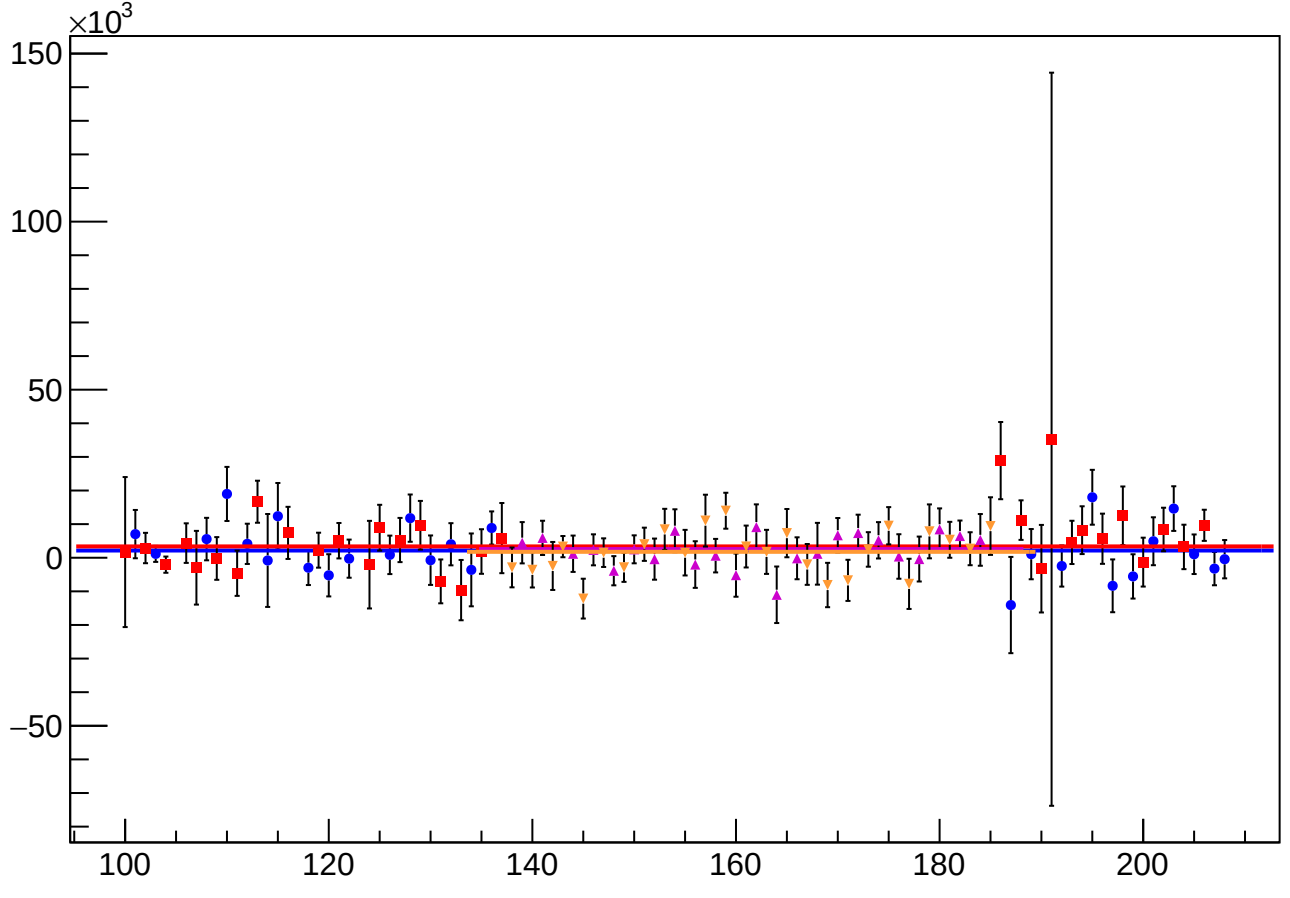
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 4040.636+/-0.541 χ^2/NDF: 8176477.0/57

In: 4652.493+/-0.585 χ^2/NDF:4349969.6/49

Out: 4257.213+/-0.537 χ^2/NDF:8009053.1/55

All: 4437.986+/-0.395 χ^2/NDF: 12607188.0/



Right In: 2151.336+/-1143.715 χ^2/NDF: 27.3/26

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 3371.740+/-1125.658 χ^2/NDF: 30.1/30

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

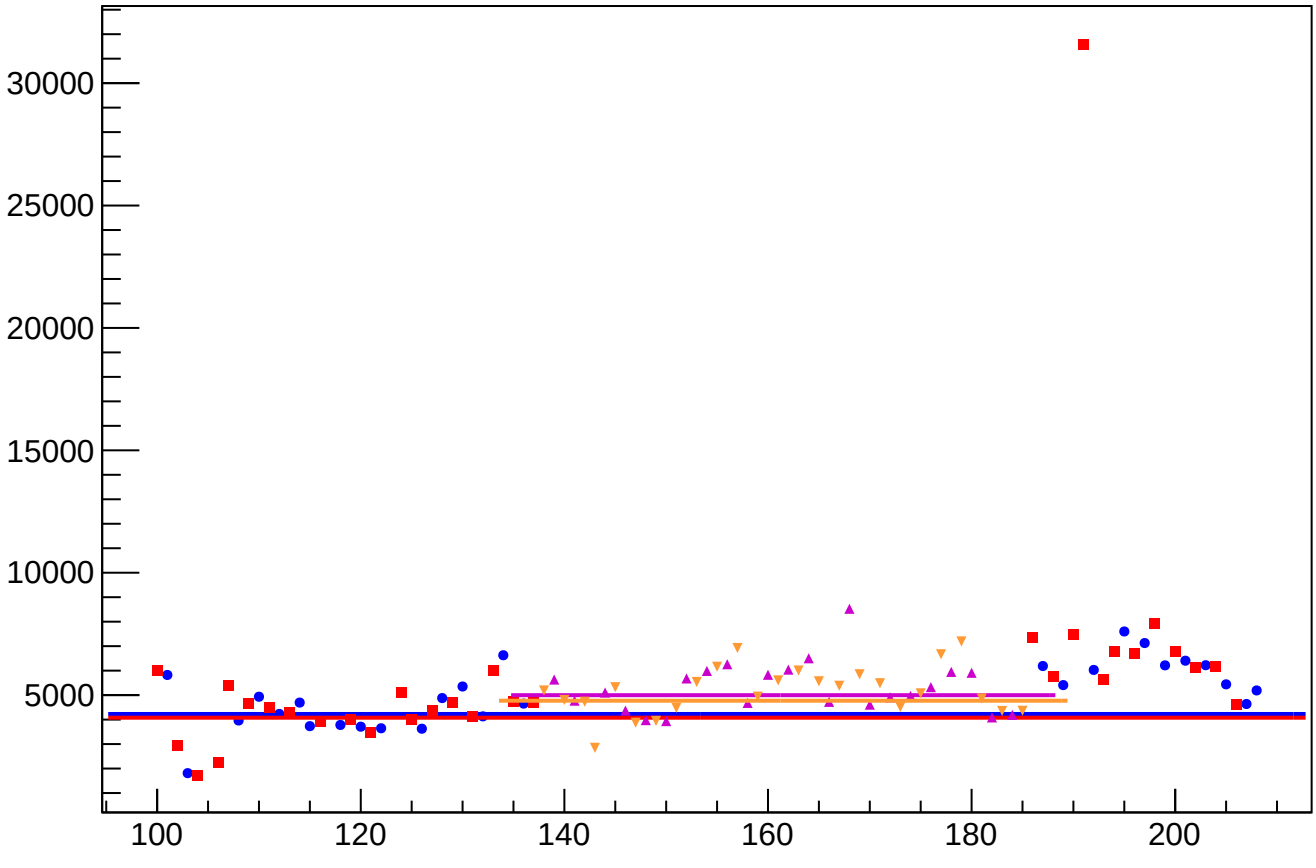
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2771.248+/-802.268 χ^2/NDF: 58.0/57

In: 2357.429+/-824.089 χ^2/NDF:40.6/49

Out: 2559.942+/-792.607 χ^2/NDF:58.8/55

All: 2462.628+/-571.263 χ^2/NDF: 99.5/105



Right In: 4229.041+/-0.809 χ^2/NDF: 4011343.3/26

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4076.898+/-0.788 χ^2/NDF: 4941226.0/30

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

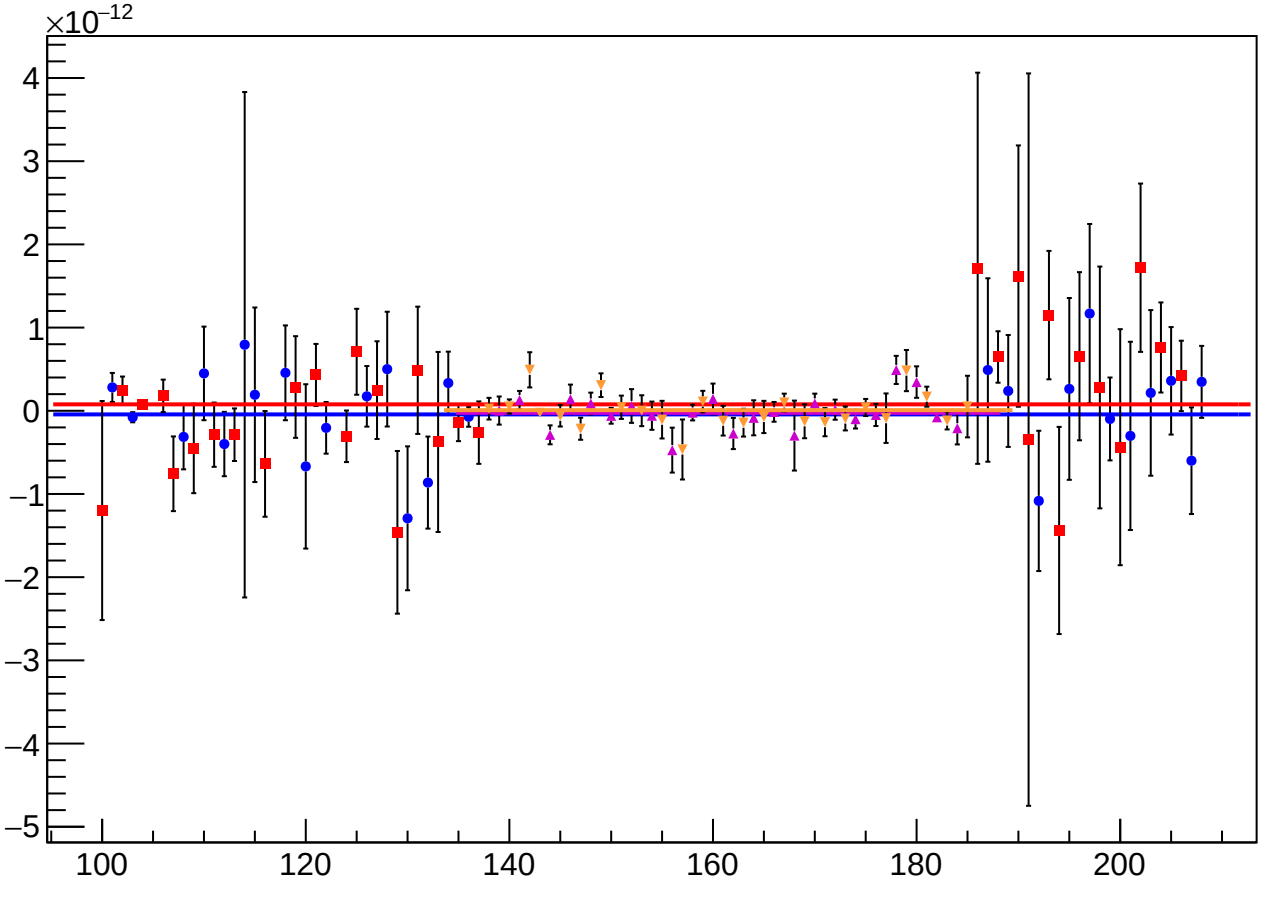
Right: 4151.015+/-0.564 χ^2/NDF: 8970719.9/57

In: 4598.159+/-0.583 χ^2/NDF:5540475.7/49

Out: 4423.559+/-0.558 χ^2/NDF:7115712.3/55

All: 4507.035+/-0.403 χ^2/NDF: 12703043.4/1

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/30

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

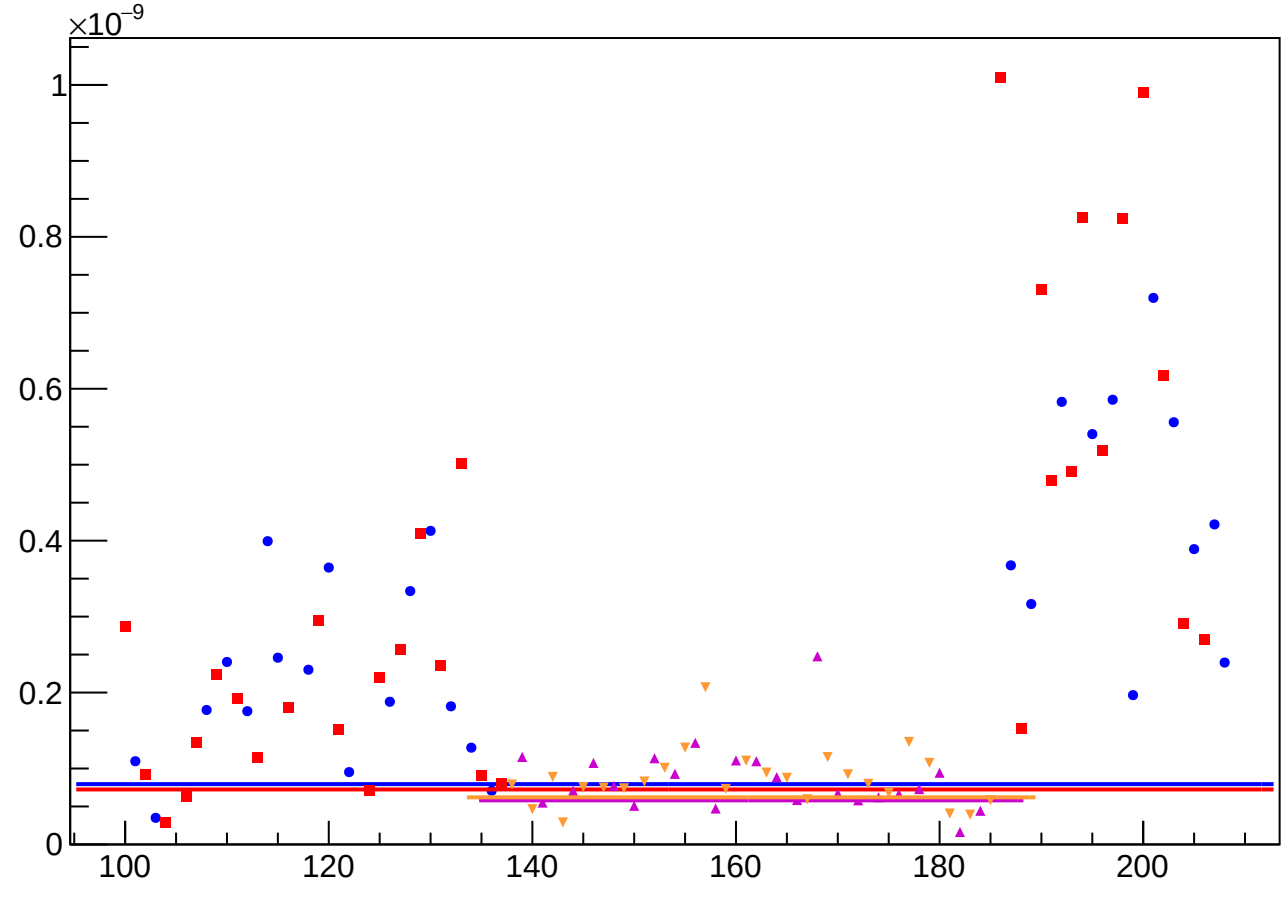
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 55.1/57

In: -0.000+/-0.000 χ^2/NDF:50.9/49

Out: 0.000+/-0.000 χ^2/NDF:61.4/55

All: -0.000+/-0.000 χ^2/NDF: 115.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 7179193.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8275014.2/30

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

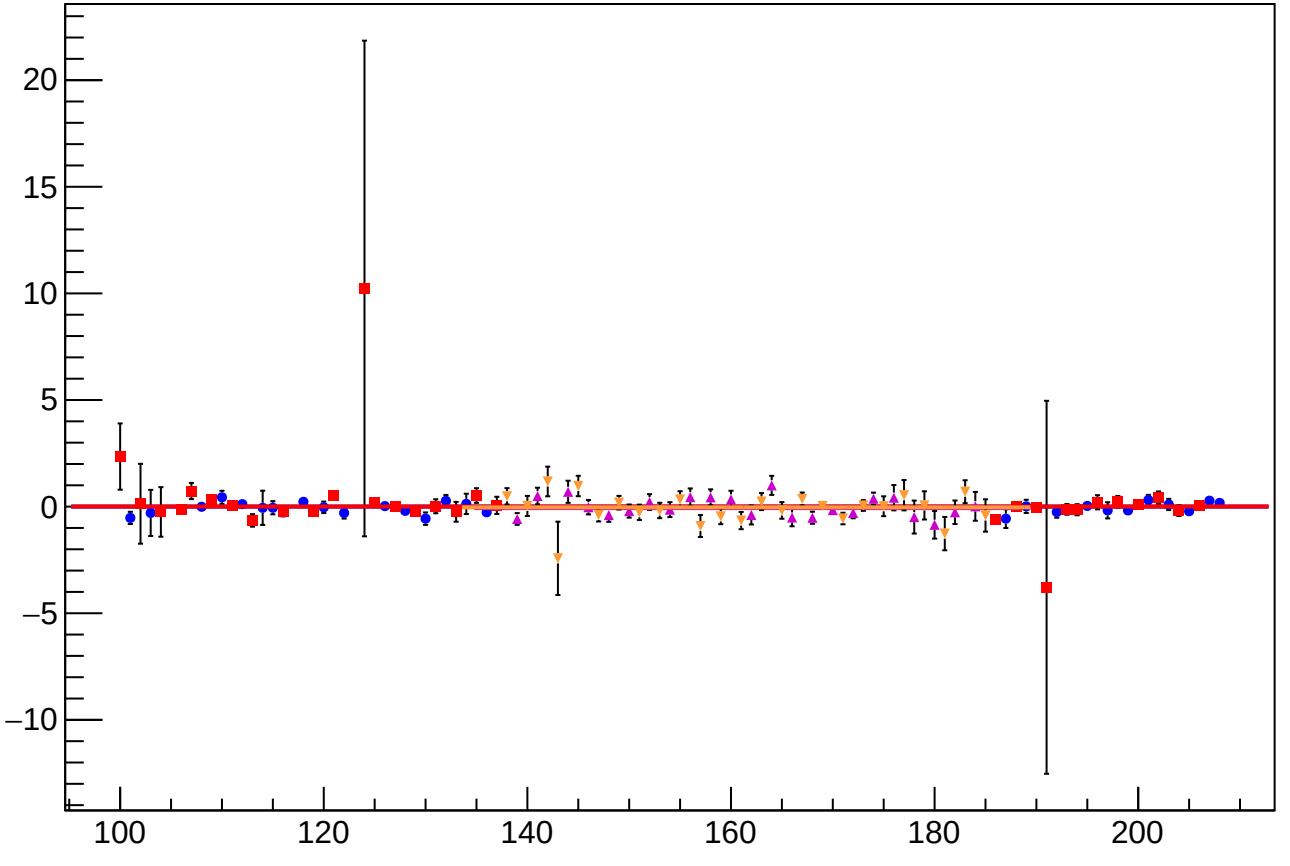
Right: 0.000+/-0.000 χ^2/NDF: 15476639.9/57

In: 0.000+/-0.000 χ^2/NDF:10456401.7/49

Out: 0.000+/-0.000 χ^2/NDF:10795172.5/55

All: 0.000+/-0.000 χ^2/NDF: 21255292.5/105

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

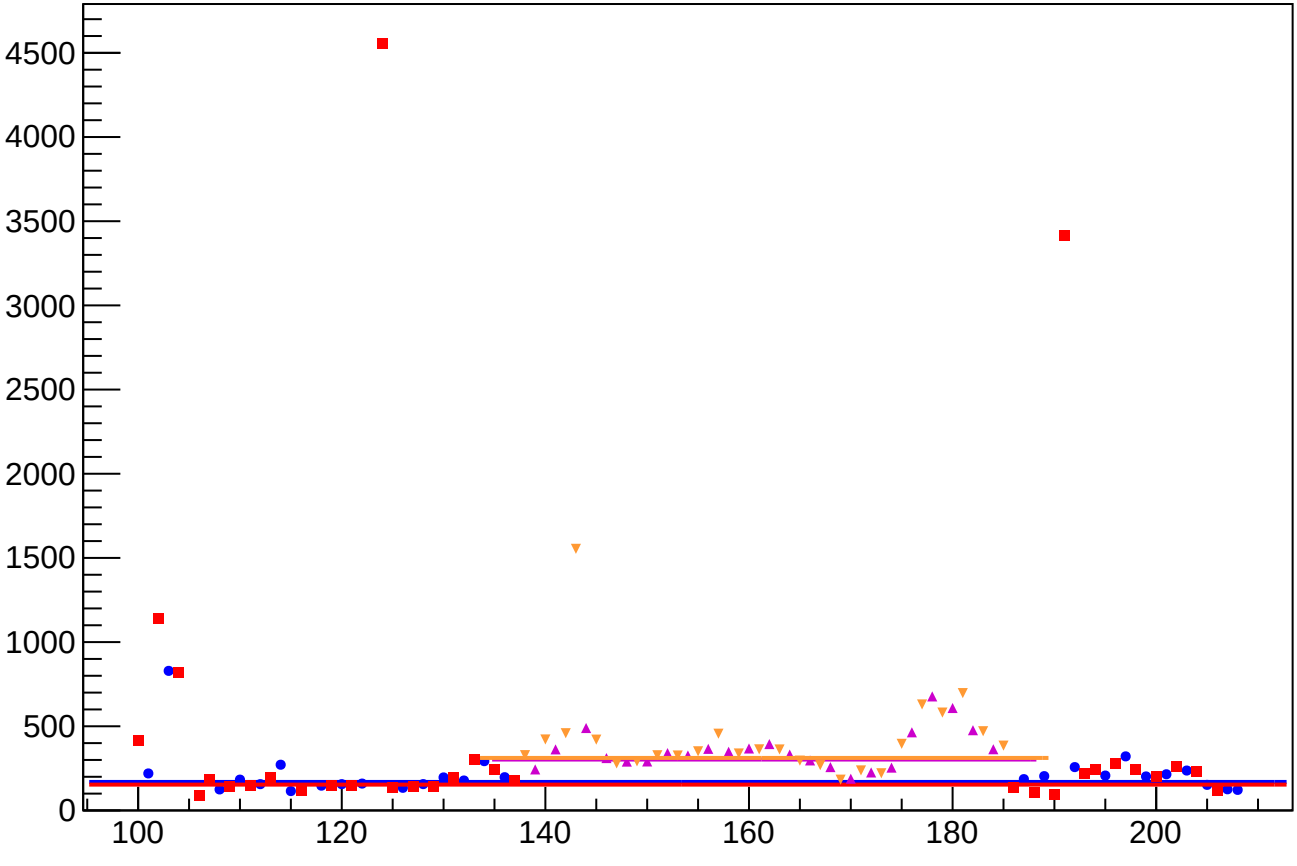
Right: 0.004+/-0.032 χ^2/NDF: 67.5/57

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.011+/-0.027 χ^2/NDF: 130.9/105

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.335+/-0.033 χ^2/NDF: 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

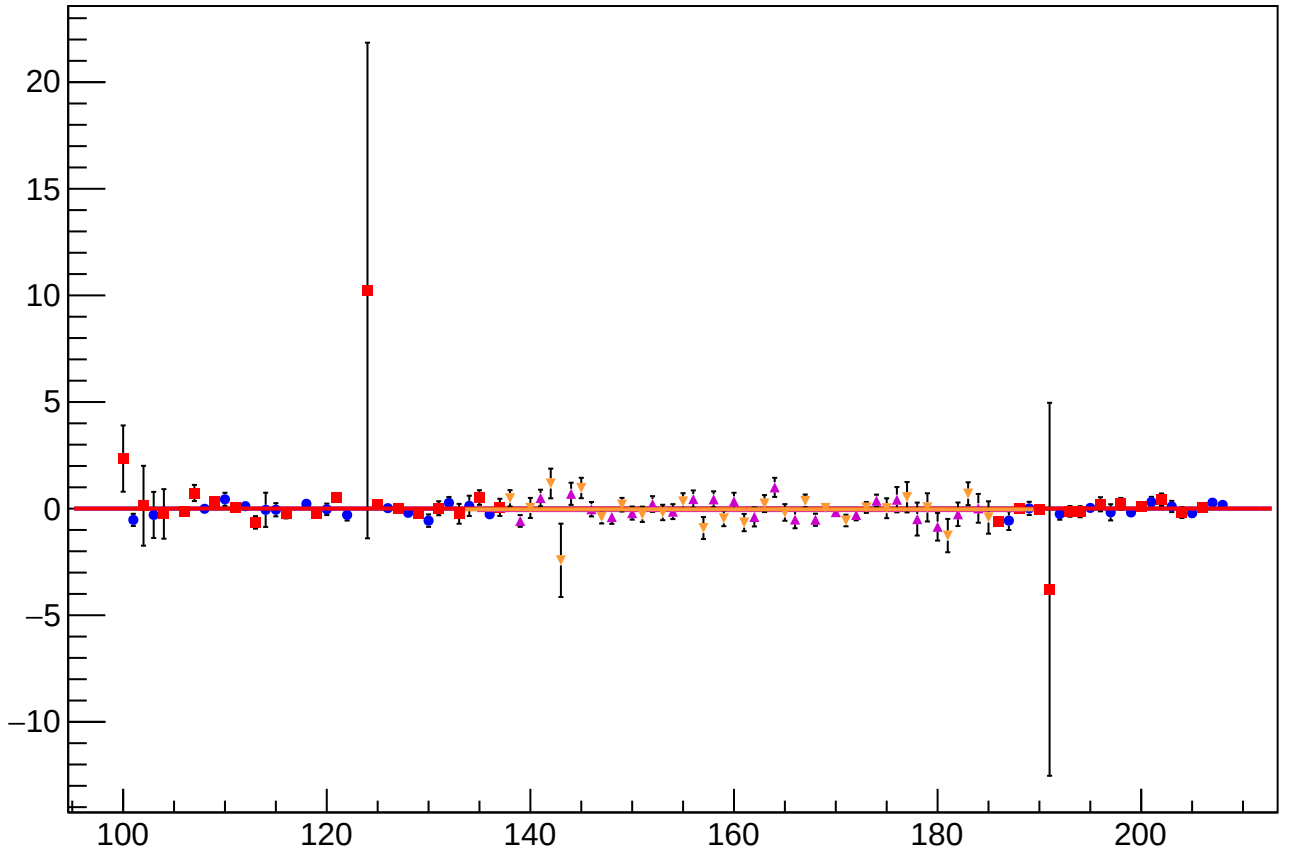
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 160.898+/-0.022 χ^2/NDF: 7497267.3/57

In: 206.121+/-0.028 χ^2/NDF:9977522.4/49

Out: 191.954+/-0.027 χ^2/NDF:15589865.6/55

All: 198.743+/-0.019 χ^2/NDF: 25702170.6/10



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

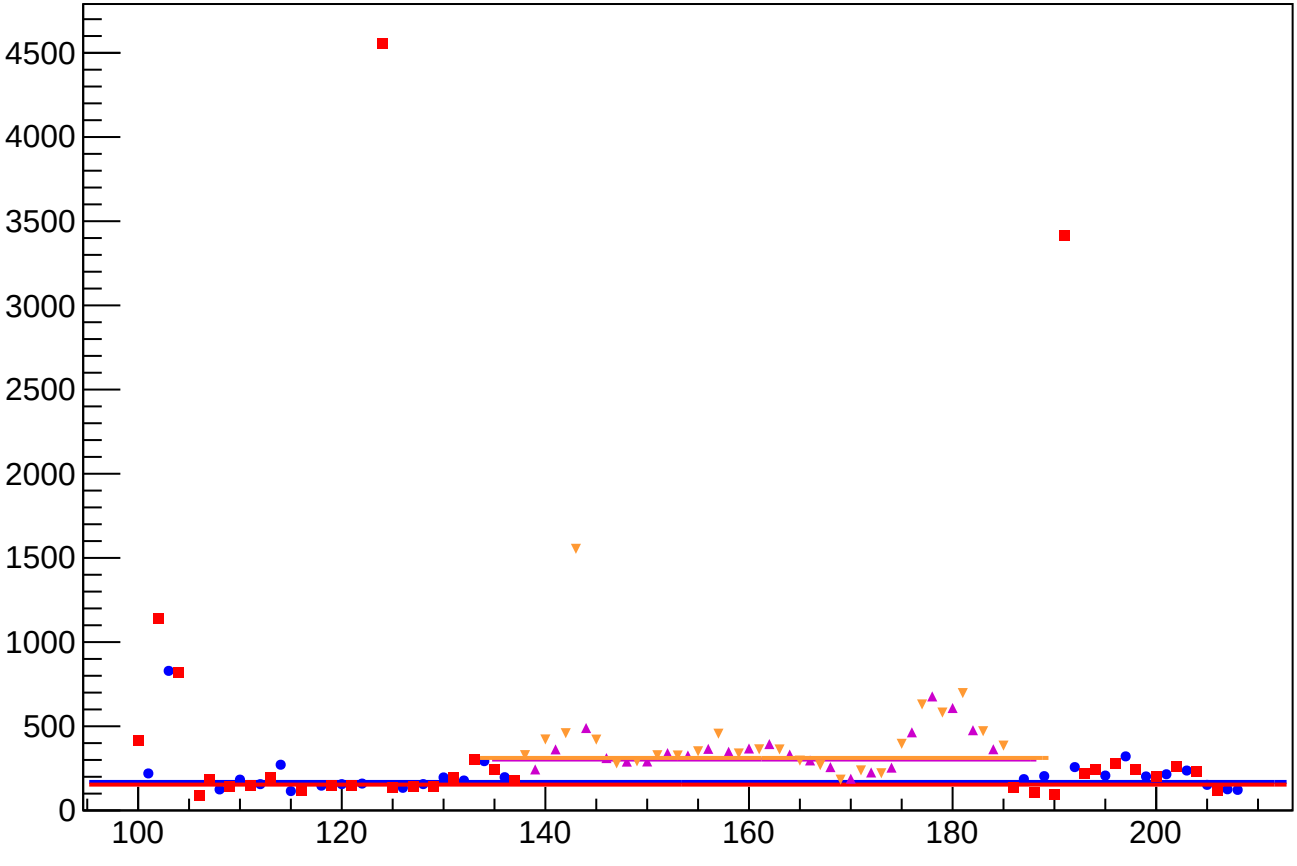
Right: 0.004+/-0.032 χ^2/NDF: 67.5/57

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.011+/-0.027 χ^2/NDF: 130.9/105

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.335+/-0.033 χ^2/NDF: 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

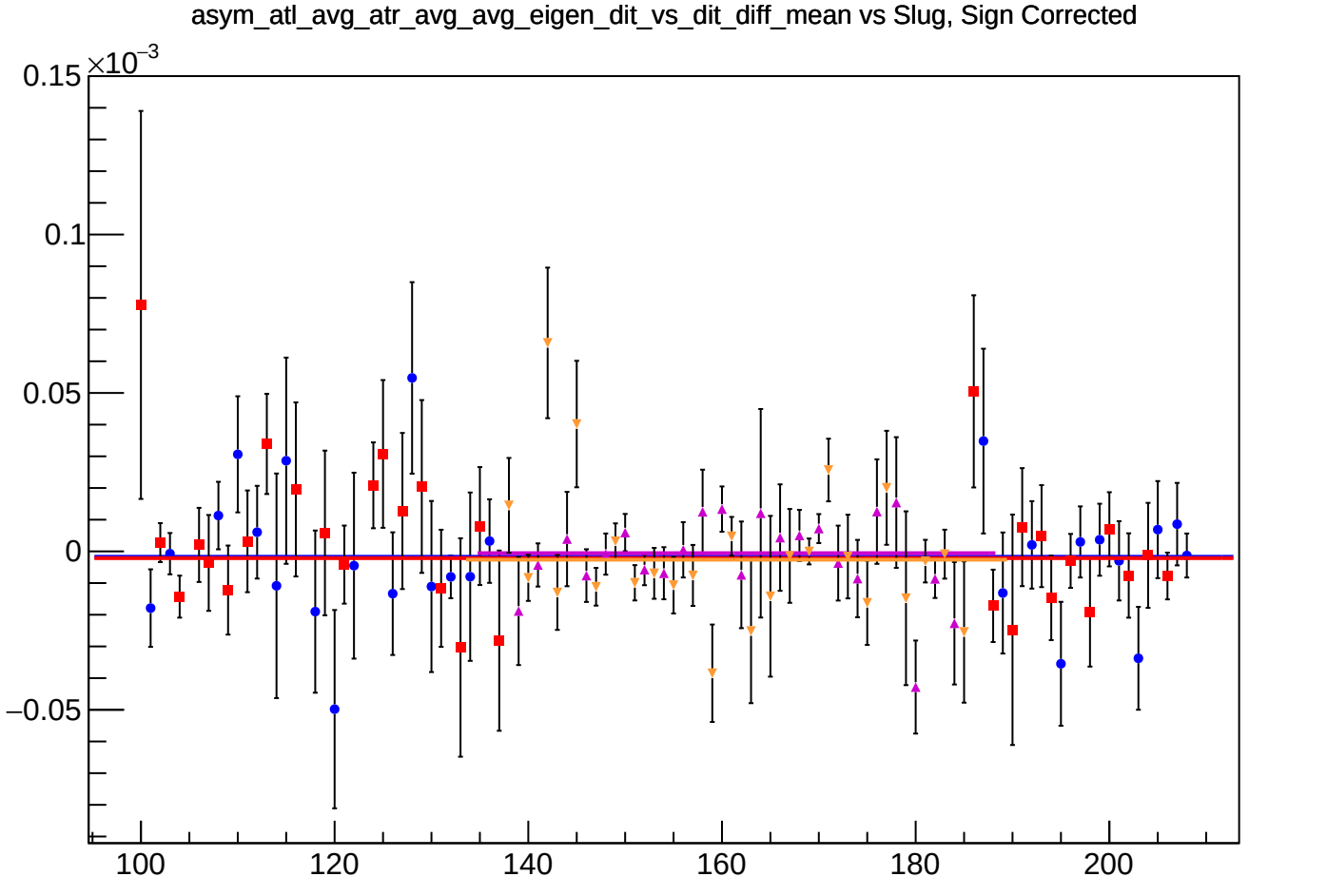
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 160.898+/-0.022 χ^2/NDF: 7497267.3/57

In: 206.121+/-0.028 χ^2/NDF:9977522.4/49

Out: 191.954+/-0.027 χ^2/NDF:15589865.6/55

All: 198.743+/-0.019 χ^2/NDF: 25702170.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/30

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

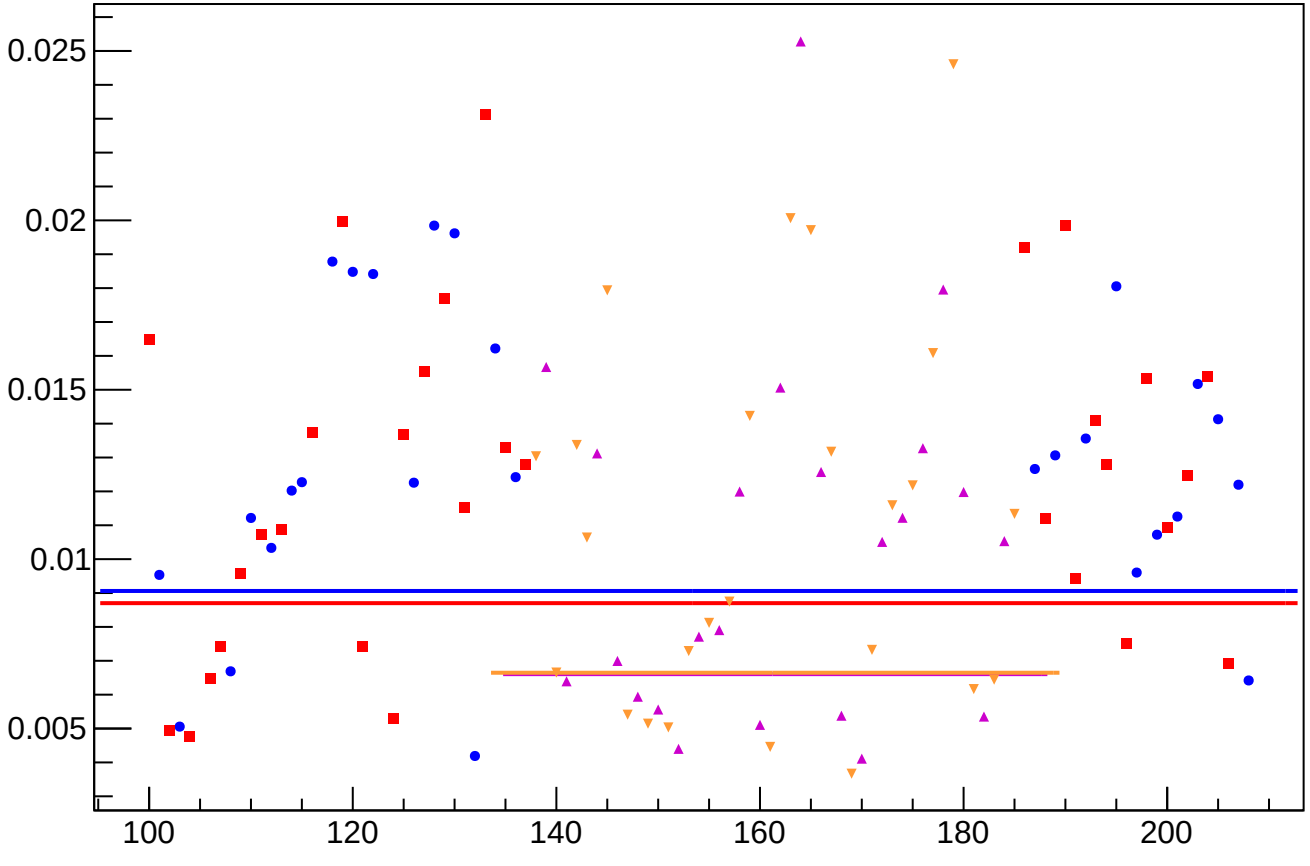
Right: -0.000+/-0.000 χ^2/NDF: 55.0/57

In: -0.000+/-0.000 χ^2/NDF:52.7/49

Out: -0.000+/-0.000 χ^2/NDF:71.7/55

All: -0.000+/-0.000 χ^2/NDF: 125.0/105

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 5313313.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 5209744.5/30

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

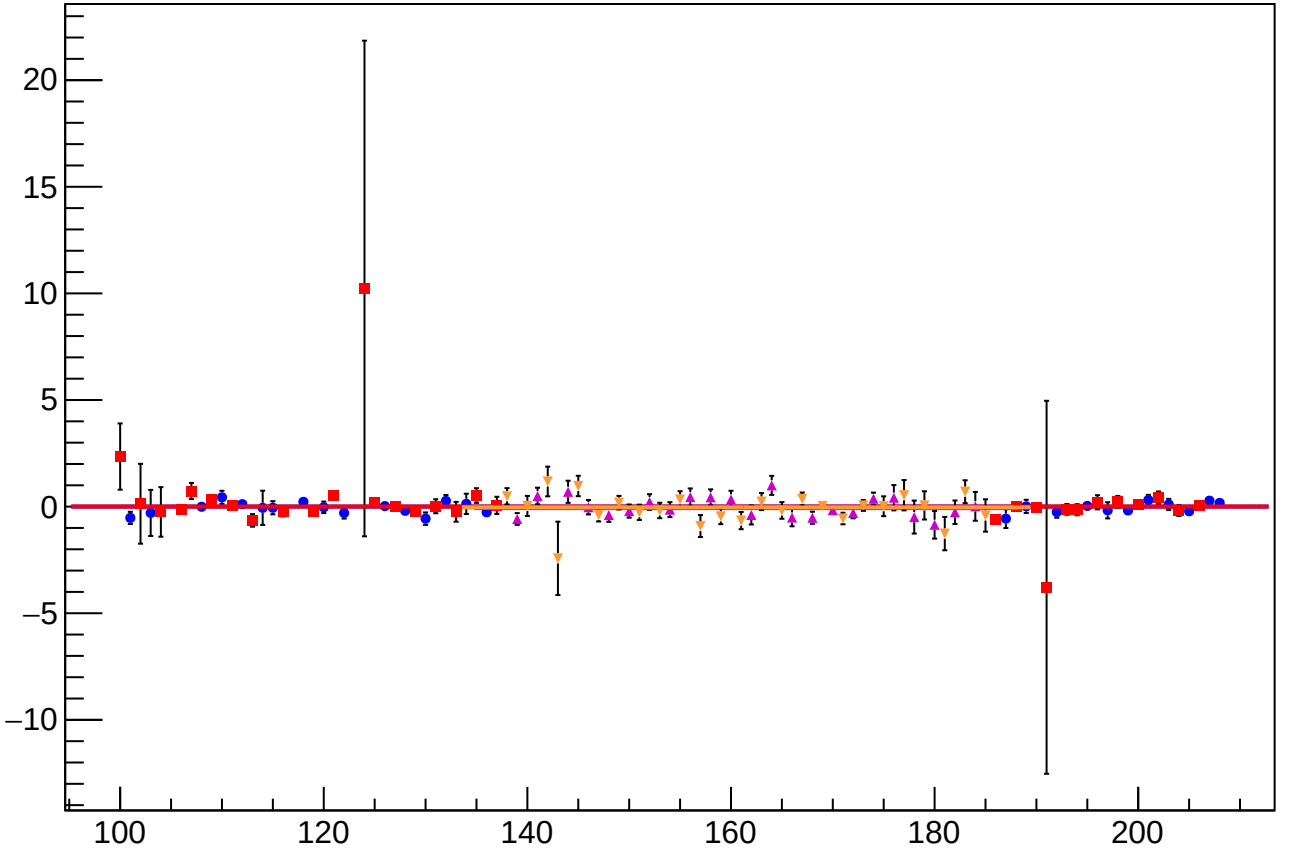
Right: 0.009+/-0.000 χ^2/NDF: 10544344.4/57

In: 0.007+/-0.000 χ^2/NDF:12424443.5/49

Out: 0.007+/-0.000 χ^2/NDF:13692366.8/55

All: 0.007+/-0.000 χ^2/NDF: 26118182.6/105

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

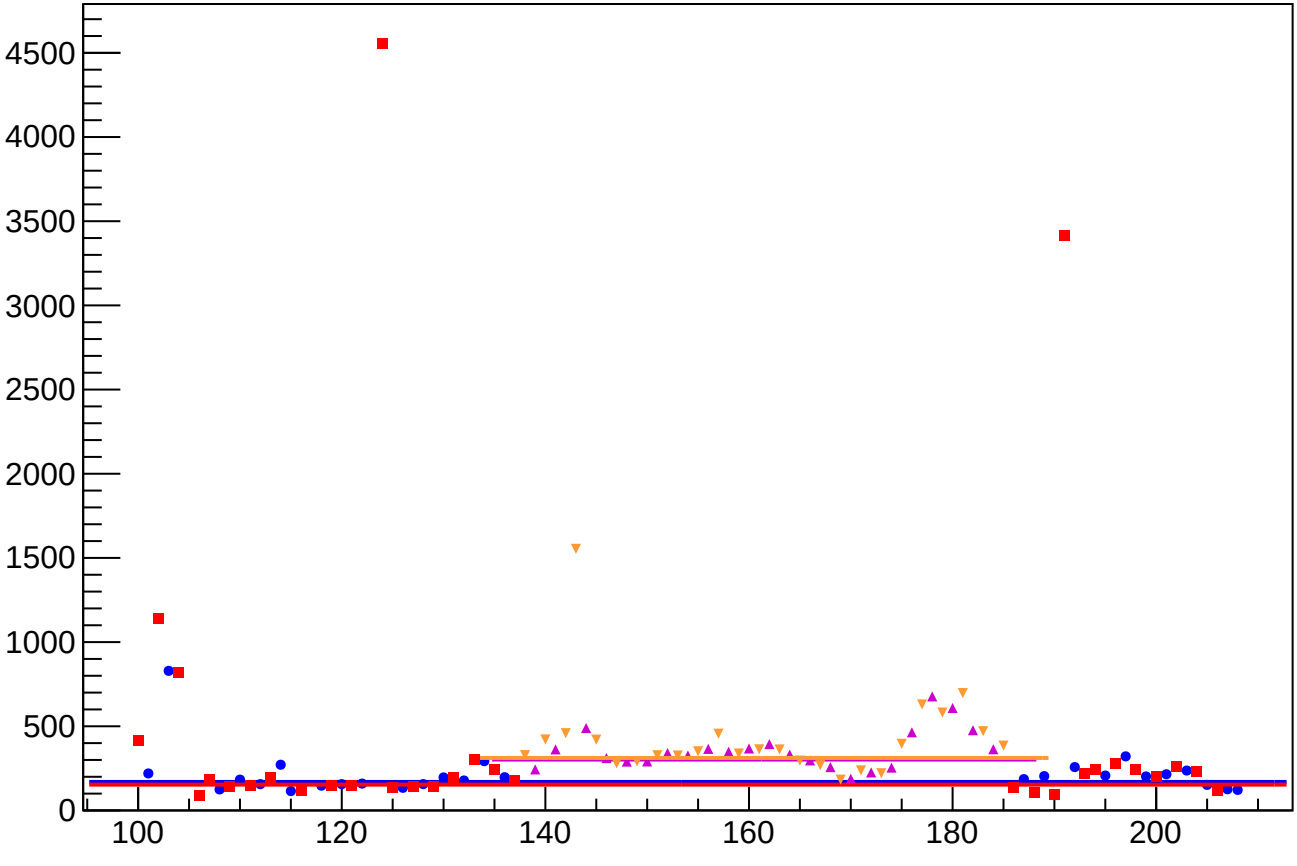
Right: 0.004+/-0.032 χ^2/NDF: 67.5/57

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.011+/-0.027 χ^2/NDF: 130.9/105

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.334+/-0.033 χ^2/NDF: 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

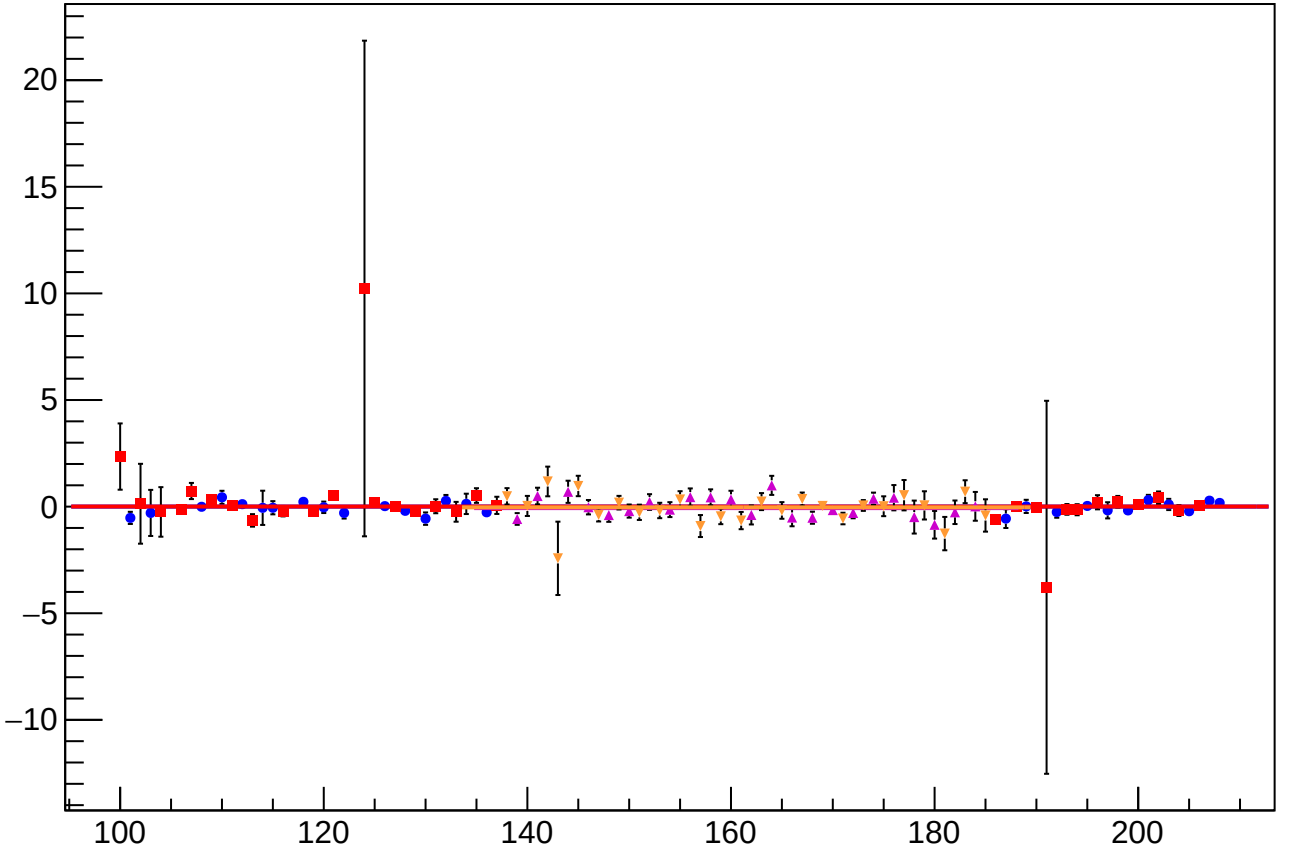
Right: 160.896+/-0.022 χ^2/NDF: 7497591.9/57

In: 206.120+/-0.028 χ^2/NDF:9977869.8/49

Out: 191.950+/-0.027 χ^2/NDF:15590585.8/55

All: 198.740+/-0.019 χ^2/NDF: 25703282.8/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

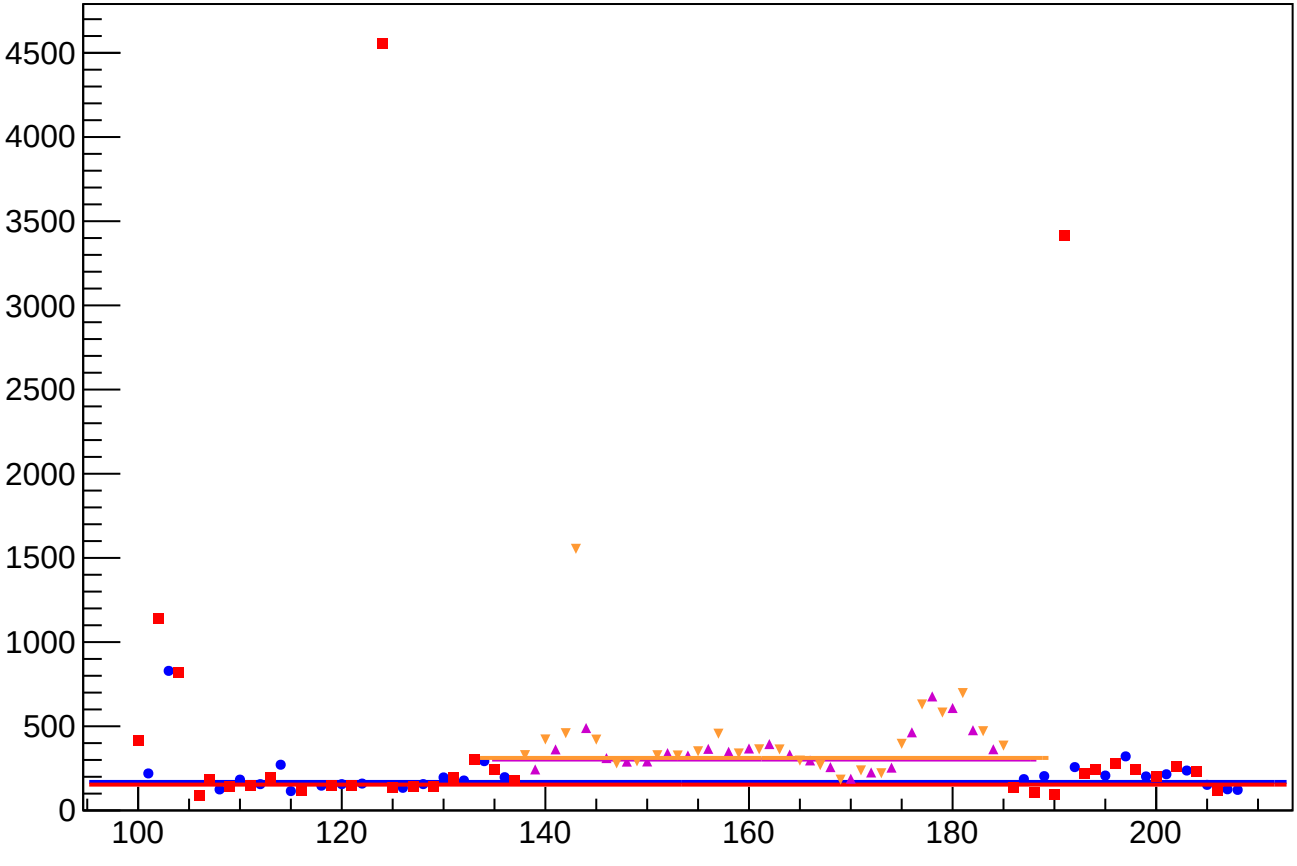
Right: 0.004+/-0.032 χ^2/NDF: 67.5/57

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.011+/-0.027 χ^2/NDF: 130.9/105

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.334+/-0.033 χ^2/NDF: 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

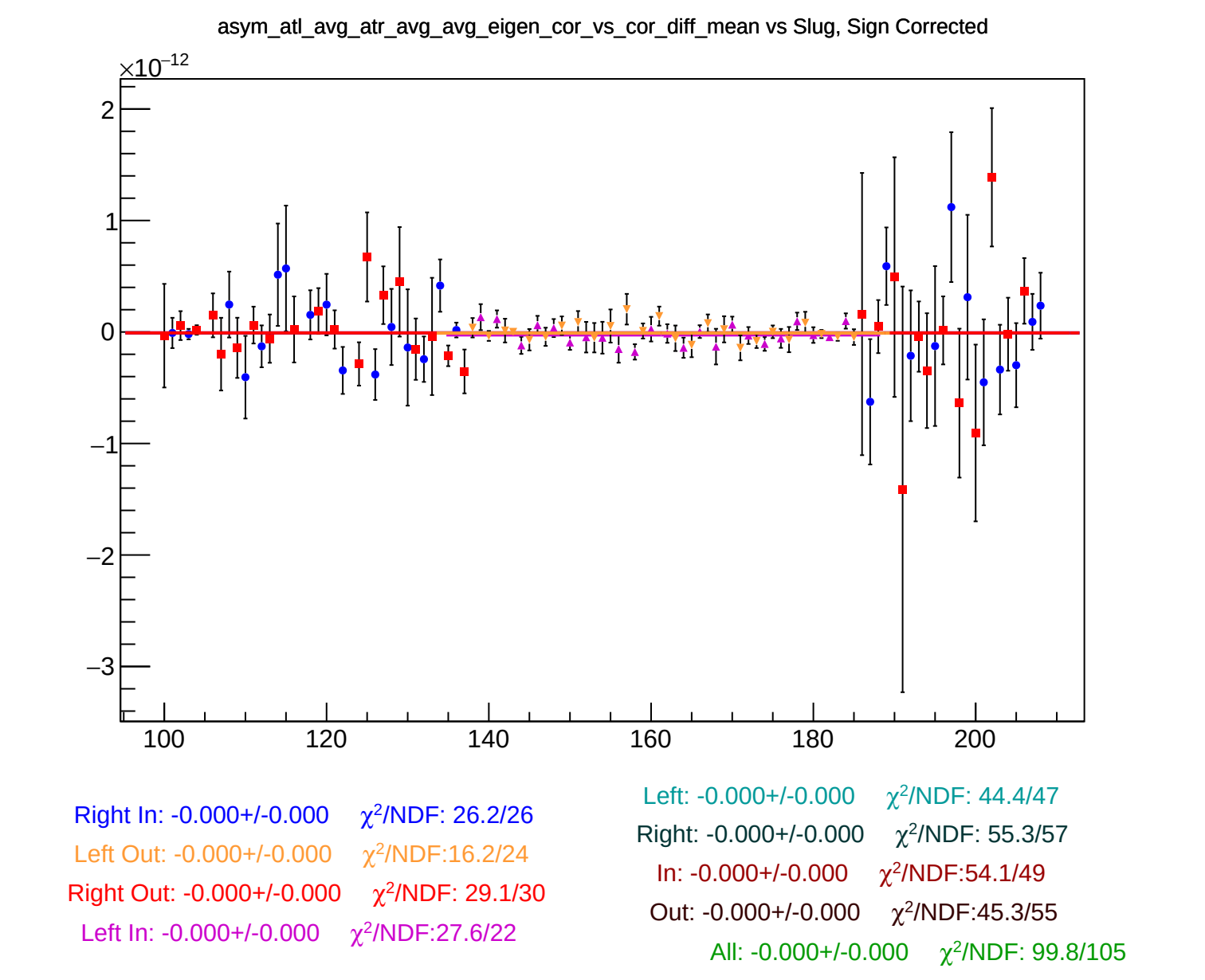
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

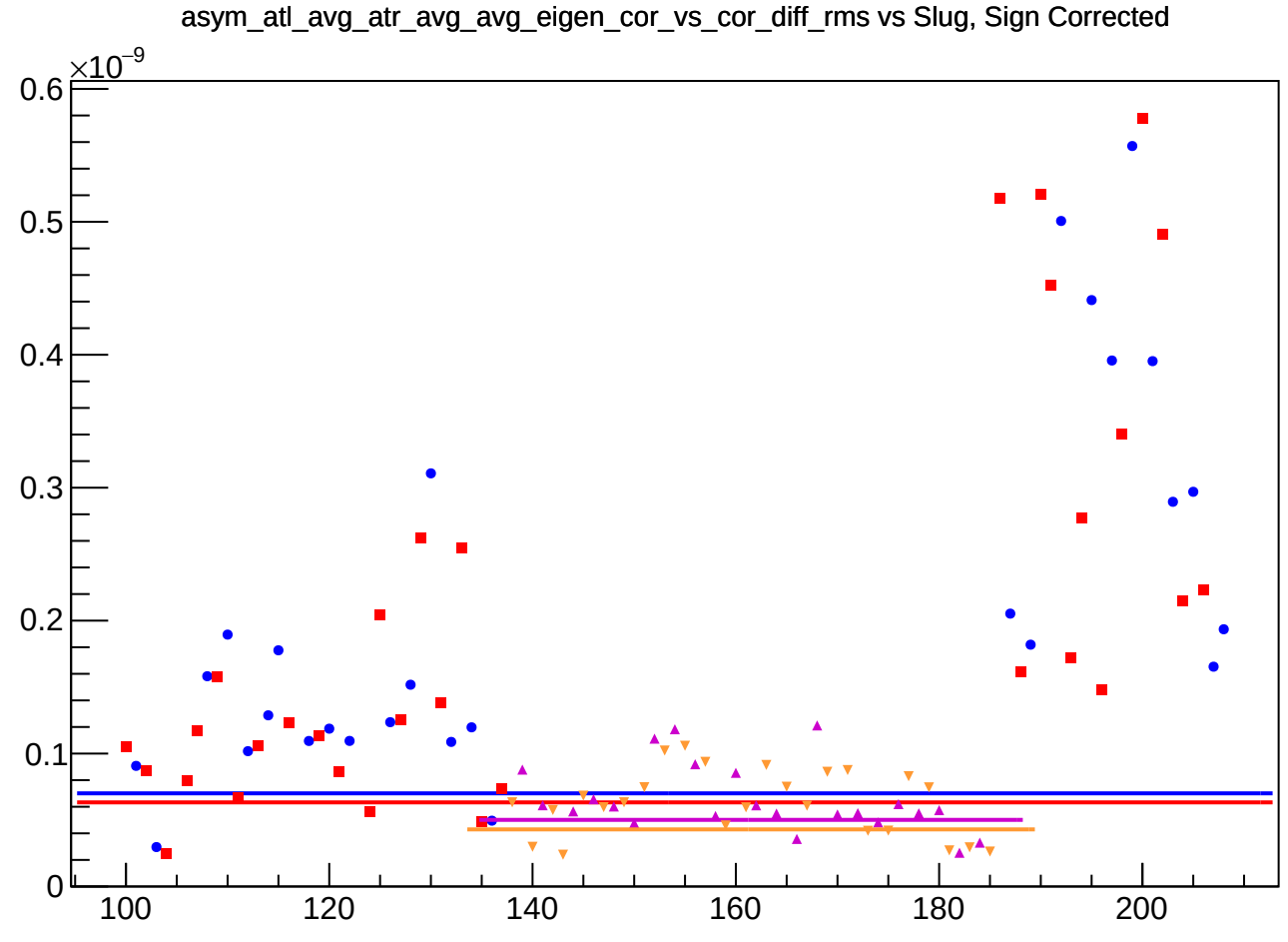
Right: 160.896+/-0.022 χ^2/NDF: 7497591.9/57

In: 206.120+/-0.028 χ^2/NDF:9977869.8/49

Out: 191.950+/-0.027 χ^2/NDF:15590585.8/55

All: 198.740+/-0.019 χ^2/NDF: 25703282.8/10


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.2/26
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.1/30
Left In: -0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 44.4/47
Right: -0.000+/-0.000 χ²/NDF: 55.3/57
In: -0.000+/-0.000 χ²/NDF:54.1/49
Out: -0.000+/-0.000 χ²/NDF:45.3/55
All: -0.000+/-0.000 χ²/NDF: 99.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 9179901.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8480241.6/30

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

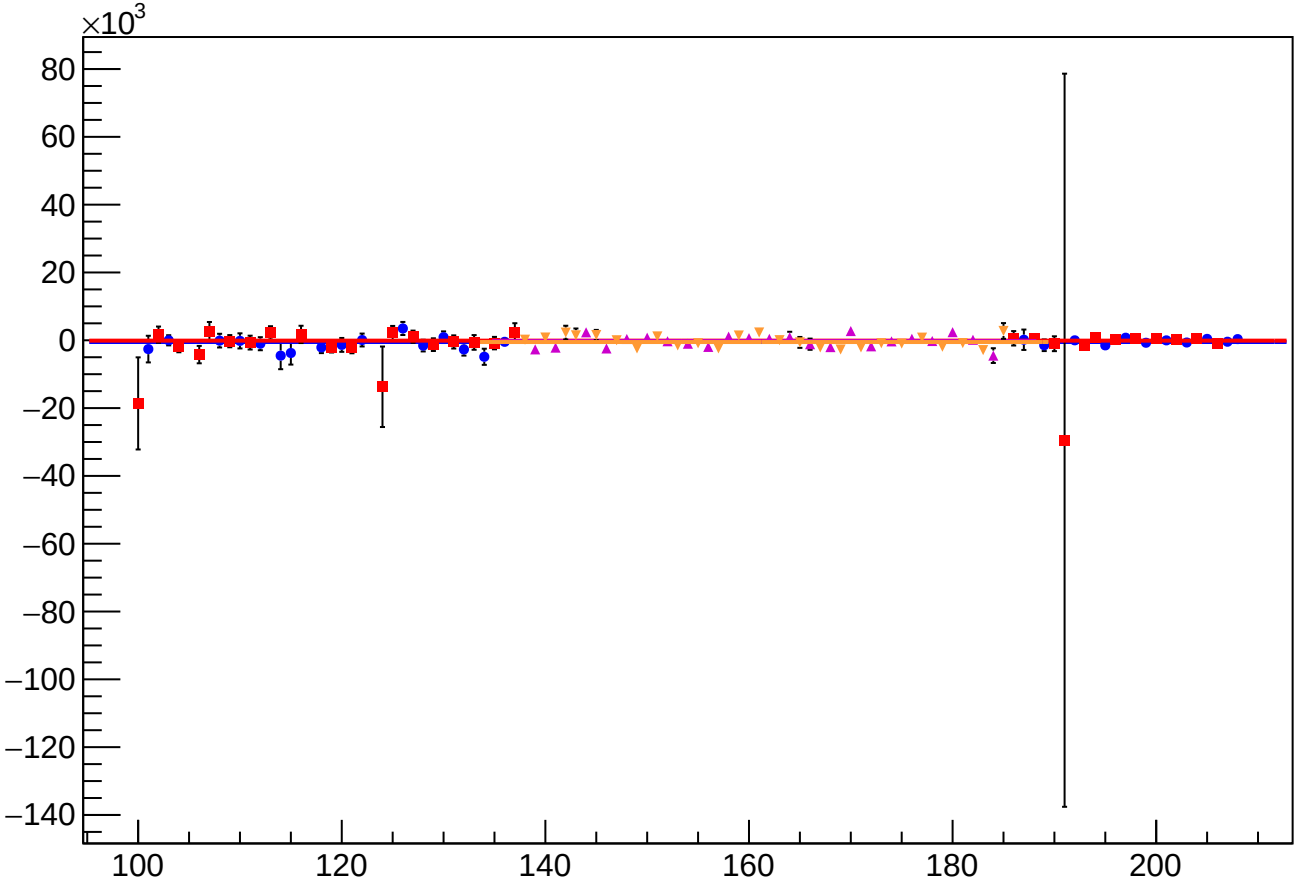
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17707903.1/57

In: 0.000+/-0.000 χ^2/NDF:13430992.8/49

Out: 0.000+/-0.000 χ^2/NDF:14300767.8/55

All: 0.000+/-0.000 χ^2/NDF: 28069300.1/105



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -106.976+/-322.543 χ^2/NDF: 19.6/30

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

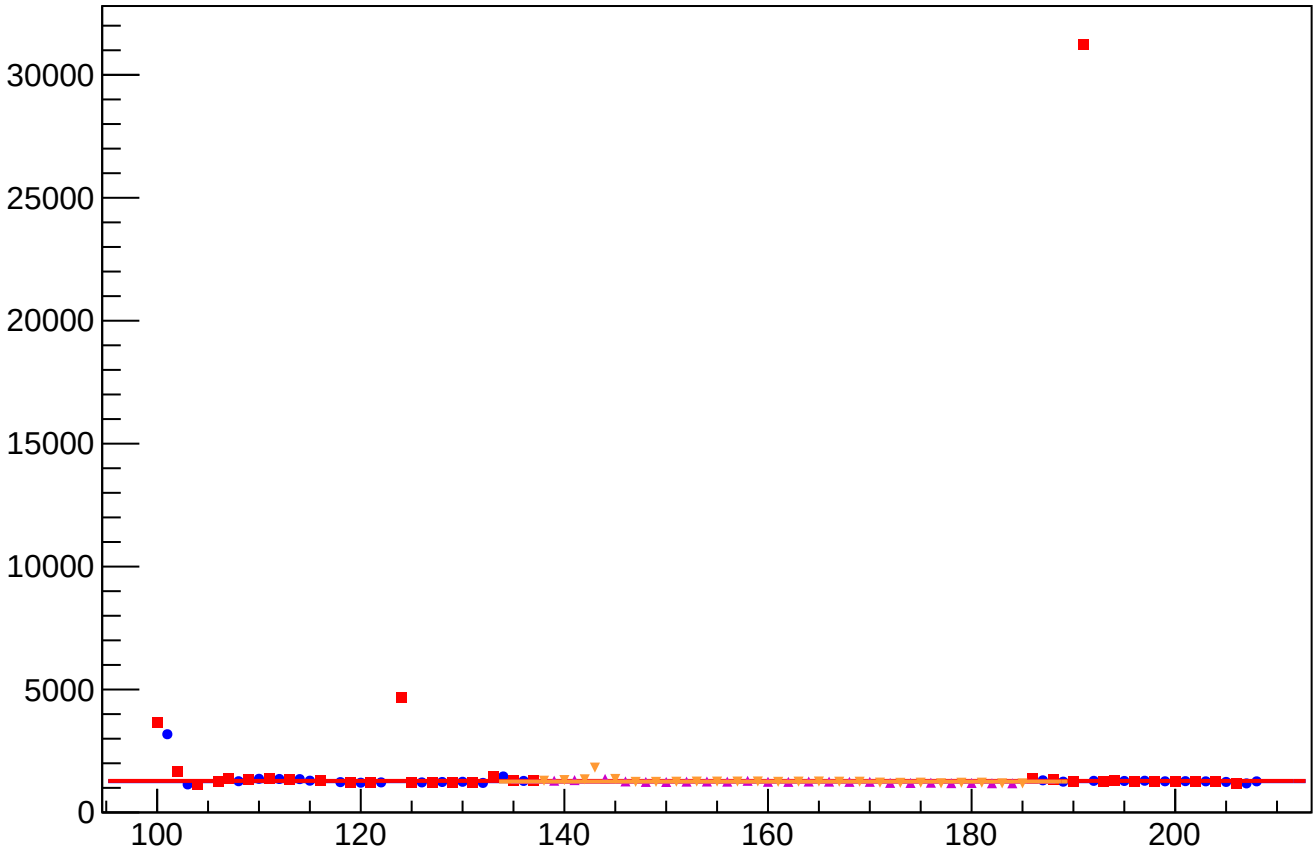
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -307.335+/-228.011 χ^2/NDF: 37.0/57

In: -361.649+/-216.077 χ^2/NDF:49.0/49

Out: -335.152+/-213.968 χ^2/NDF:51.4/55

All: -348.271+/-152.038 χ^2/NDF: 100.5/105



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

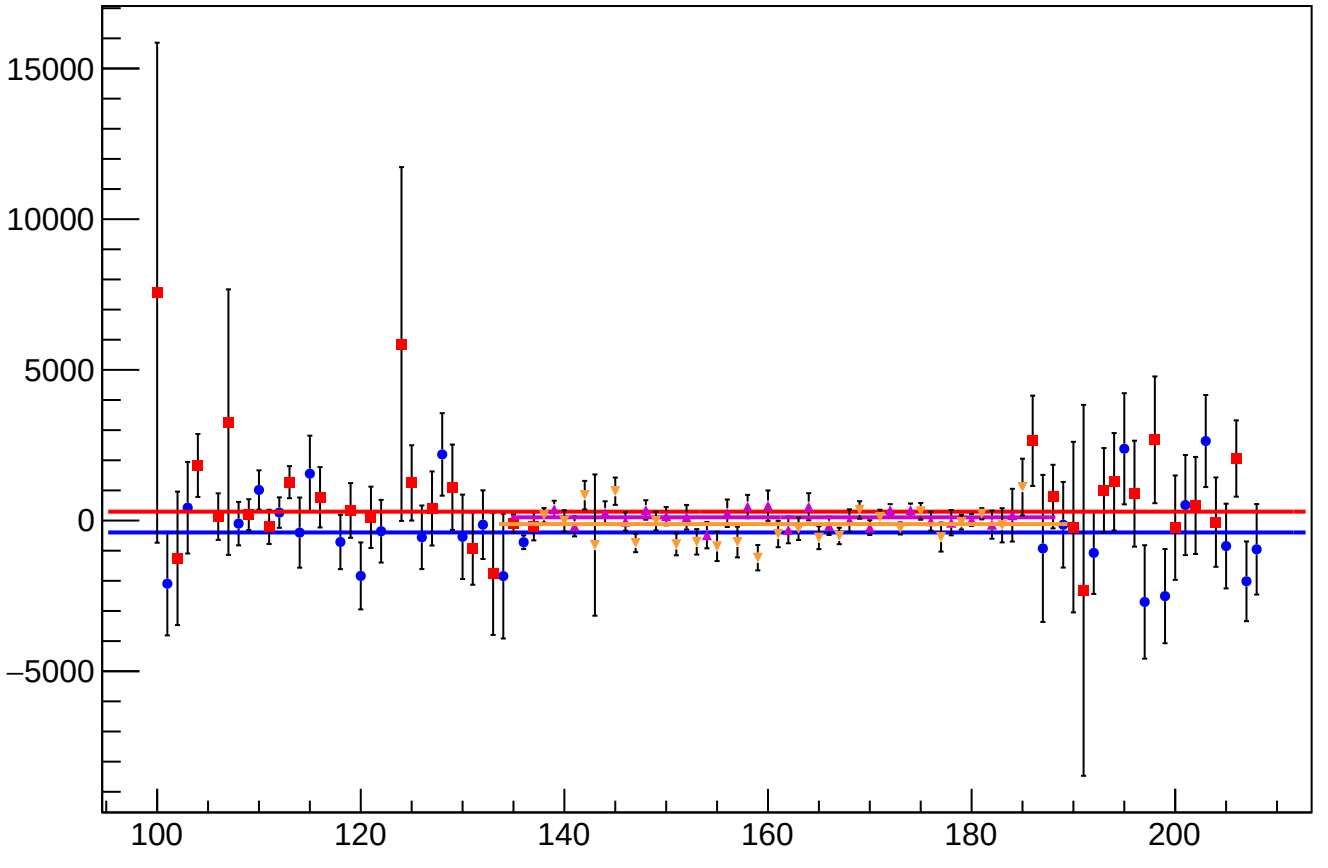
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1277.336+/-0.161 χ^2/NDF: 1040854.4/57

In: 1257.647+/-0.153 χ^2/NDF:578852.6/49

Out: 1267.693+/-0.151 χ^2/NDF:718606.8/55

All: 1262.719+/-0.108 χ^2/NDF: 1299642.5/10



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 294.835+/-159.092 χ^2/NDF: 22.1/30

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

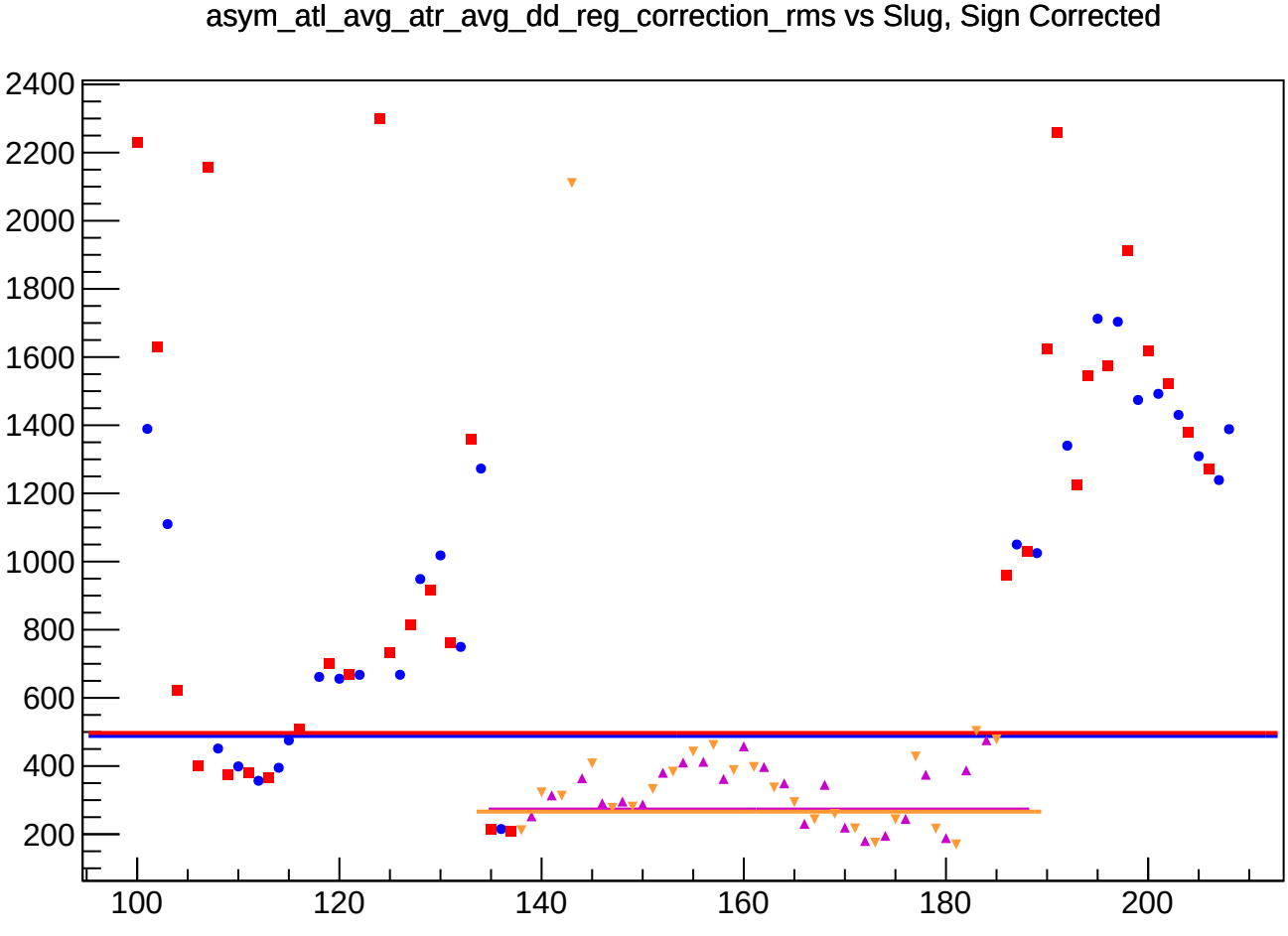
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -51.523+/-112.257 χ^2/NDF: 61.6/57

In: 31.127+/-61.709 χ^2/NDF:52.3/49

Out: -58.020+/-60.218 χ^2/NDF:76.3/55

All: -14.536+/-43.098 χ^2/NDF: 129.7/105



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

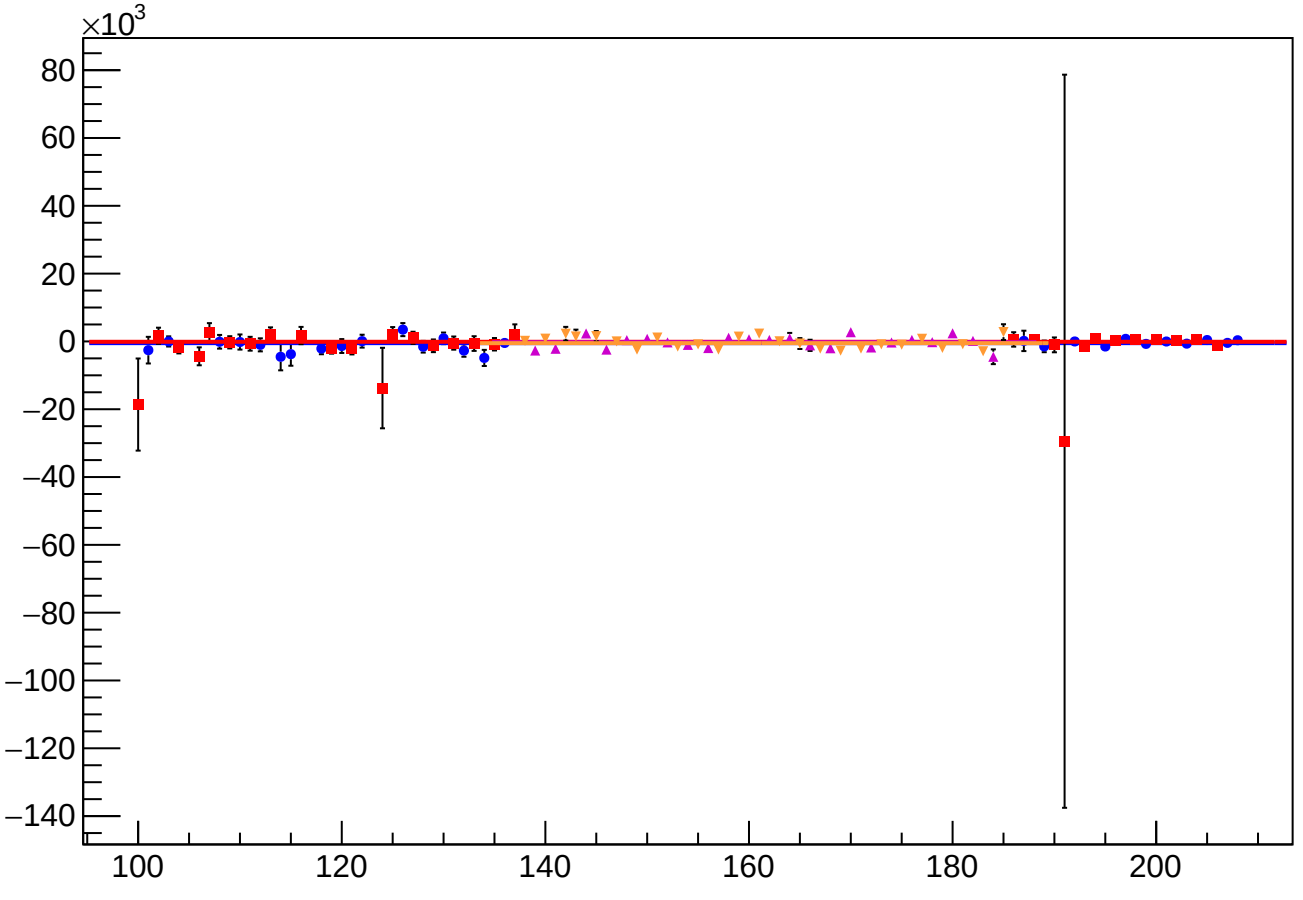
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 492.676+/-0.079 χ^2/NDF: 24571944.9/57

In: 305.130+/-0.044 χ^2/NDF:18328105.7/49

Out: 299.385+/-0.043 χ^2/NDF:20515826.8/55

All: 302.187+/-0.030 χ^2/NDF: 38852812.1/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

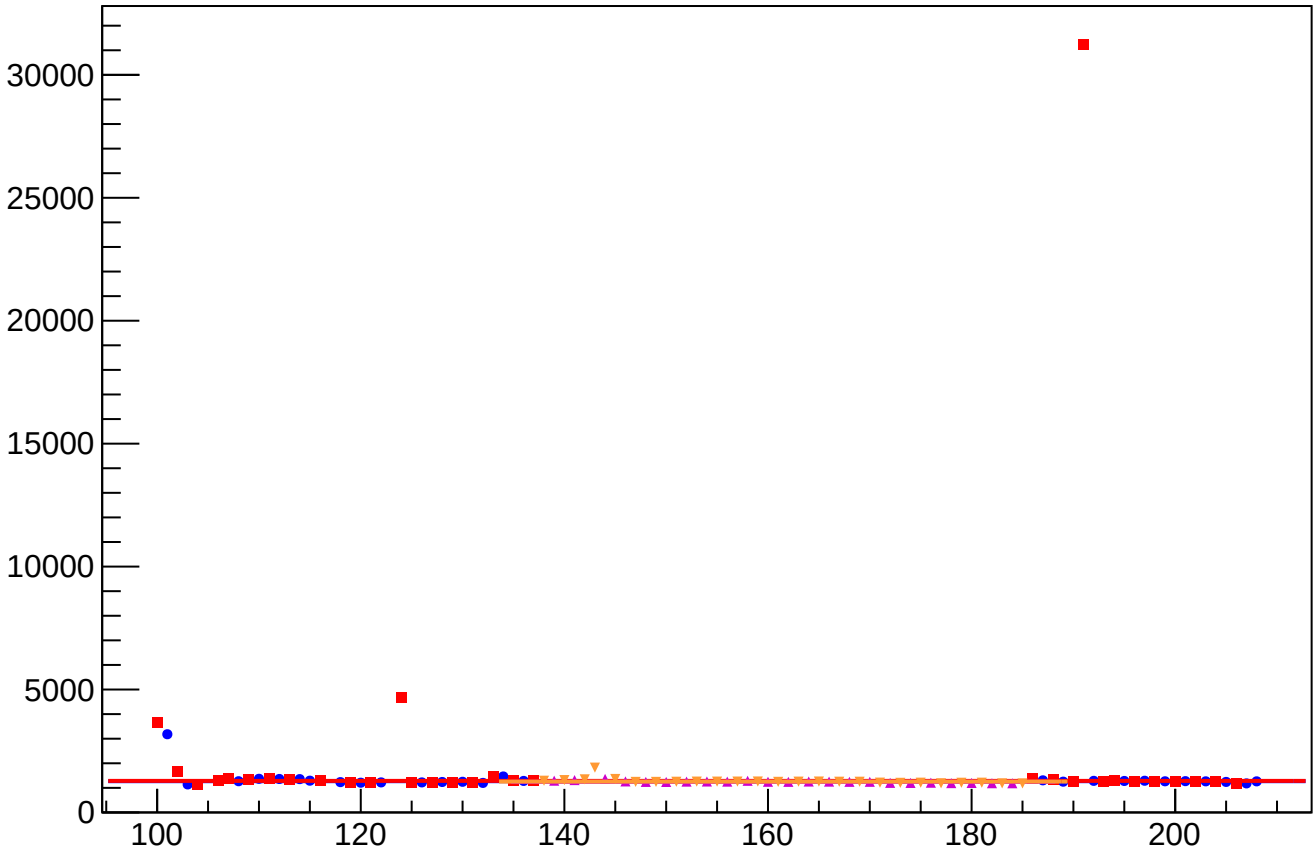
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -306.666+/-228.065 χ^2/NDF: 37.1/57

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -347.960+/-152.054 χ^2/NDF: 100.5/105



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

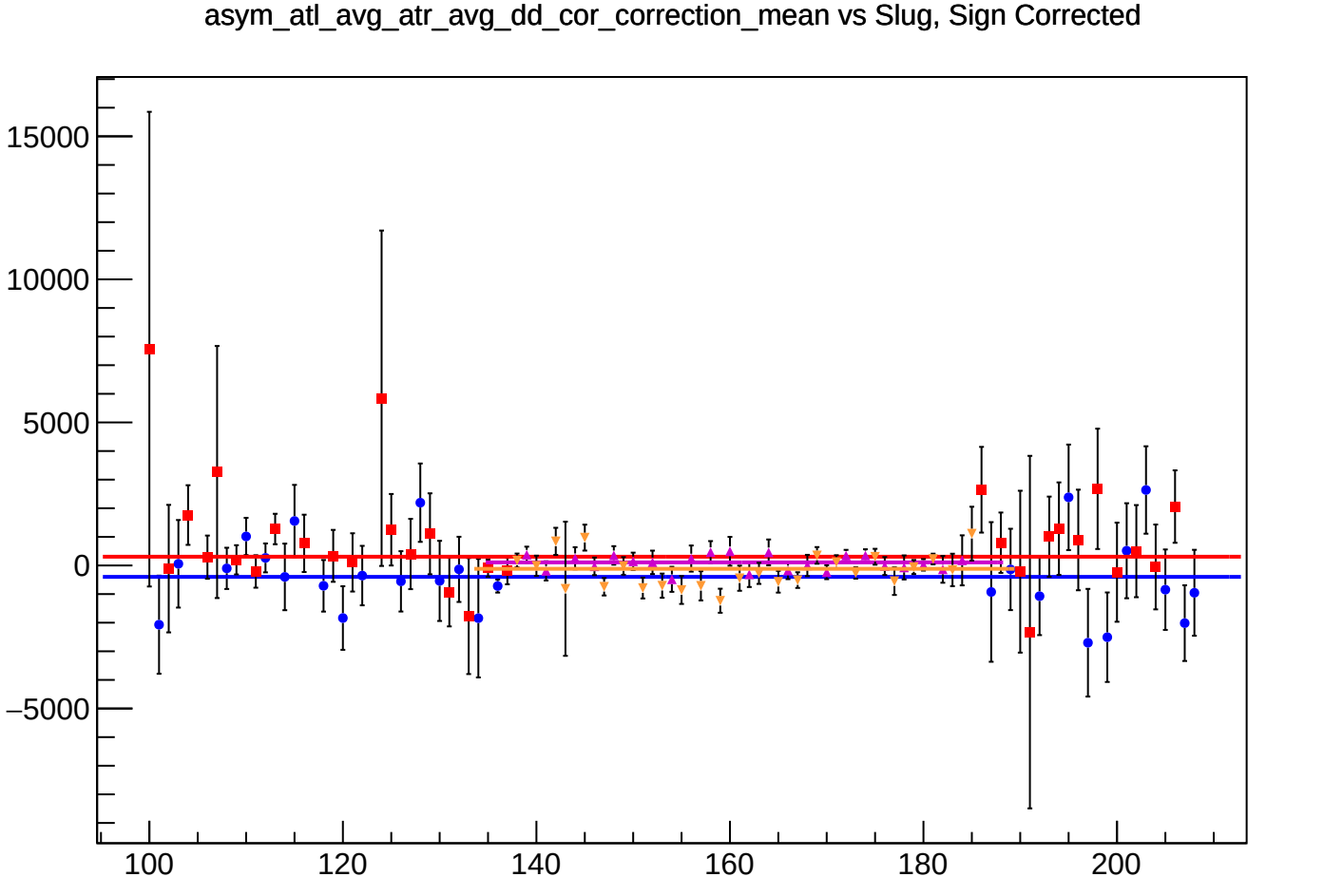
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1277.646+/-0.161 χ^2/NDF: 1040992.0/57

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

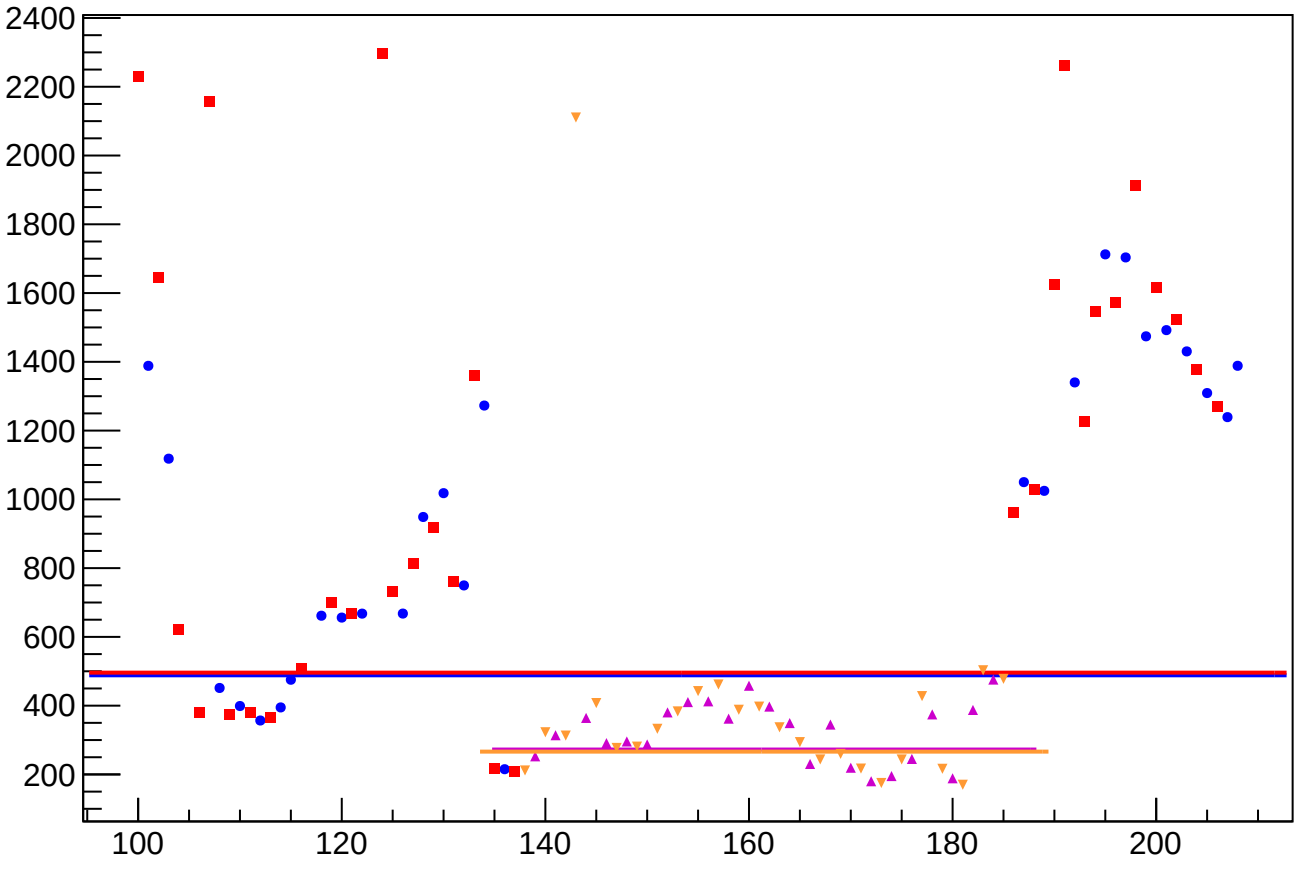
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -47.434+/-112.205 χ^2/NDF: 61.1/57

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -13.879+/-43.096 χ^2/NDF: 129.2/105



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

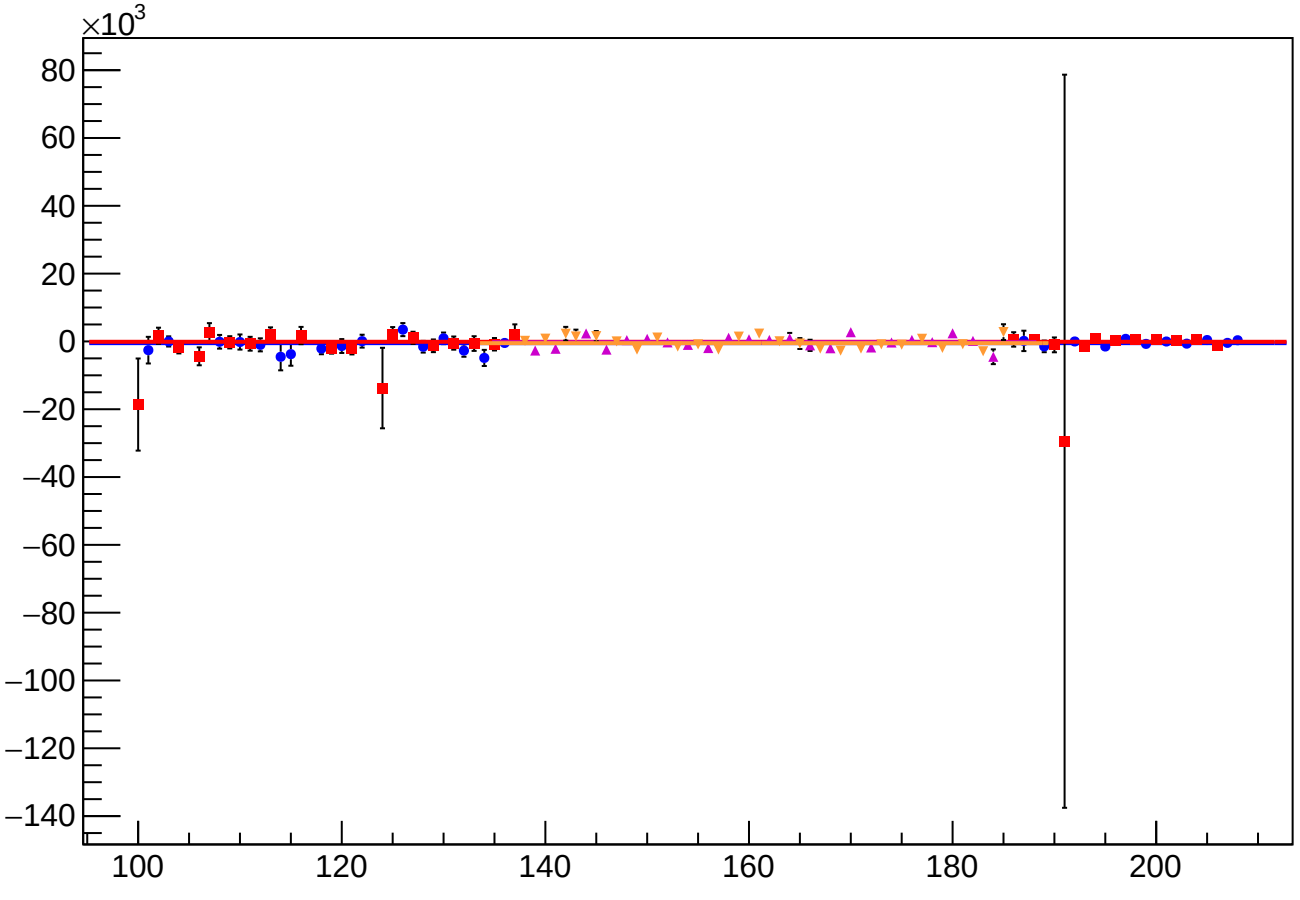
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 492.160+/-0.079 χ^2/NDF: 24596933.4/57

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 302.144+/-0.030 χ^2/NDF: 38851218.9/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

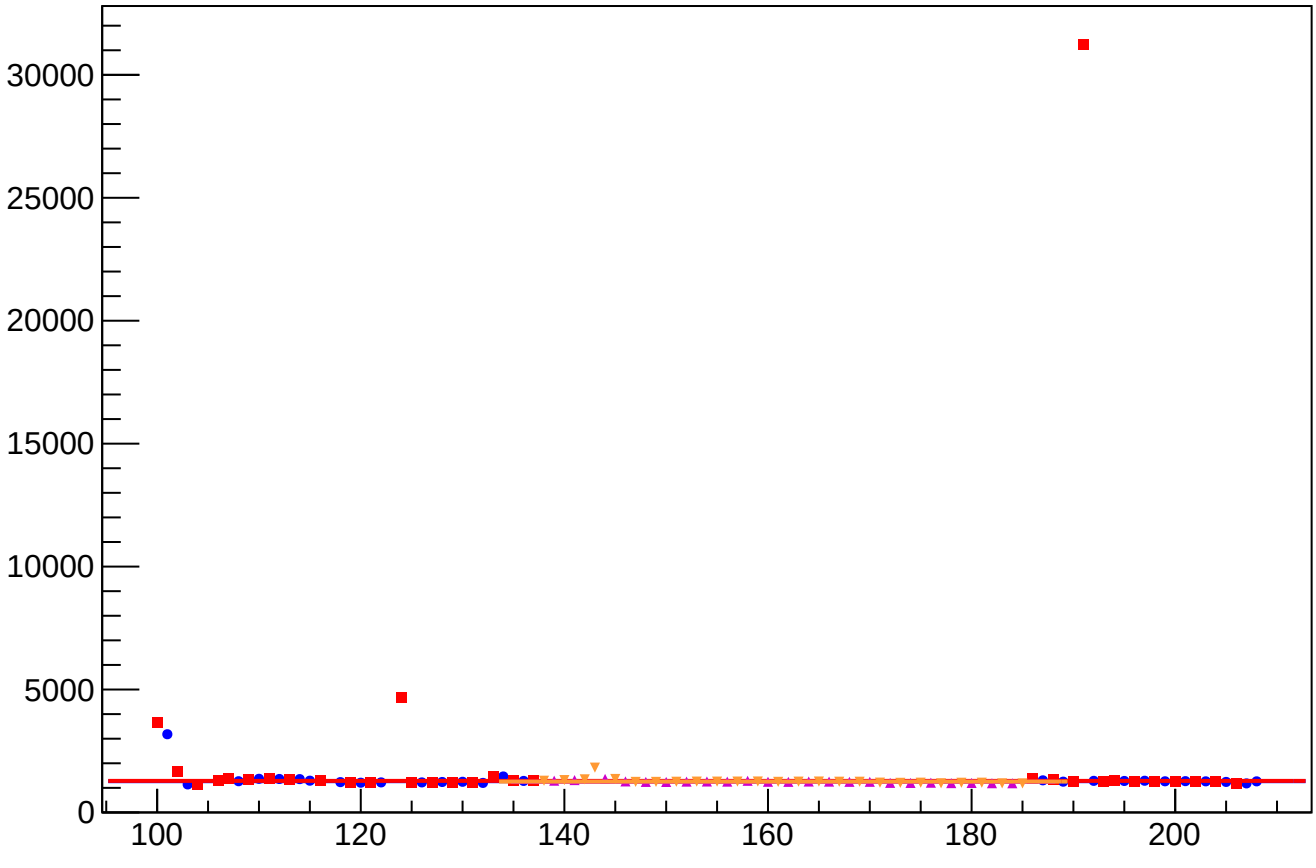
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -306.666+/-228.065 χ^2/NDF: 37.1/57

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -347.960+/-152.054 χ^2/NDF: 100.5/105



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

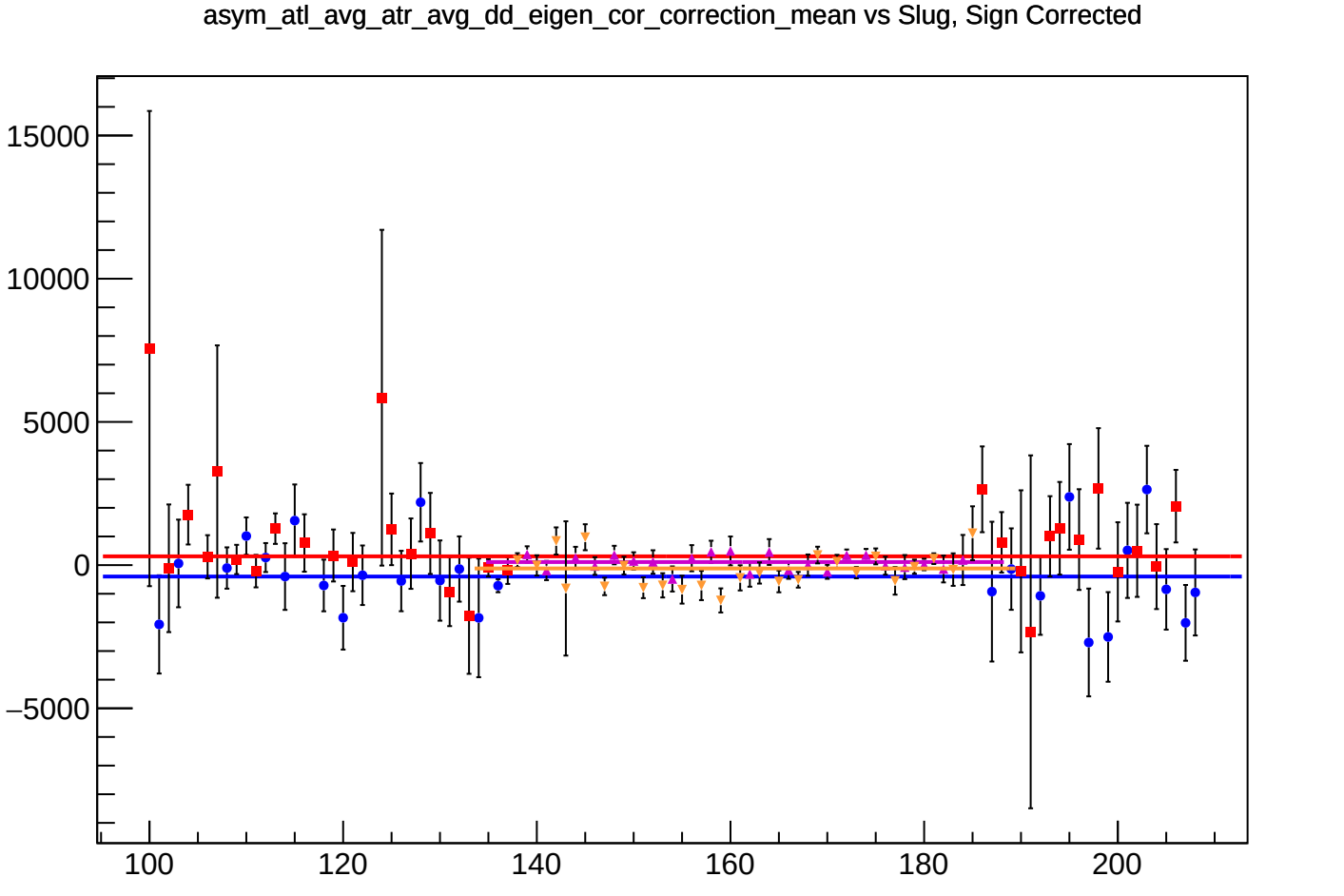
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1277.646+/-0.161 χ^2/NDF: 1040992.0/57

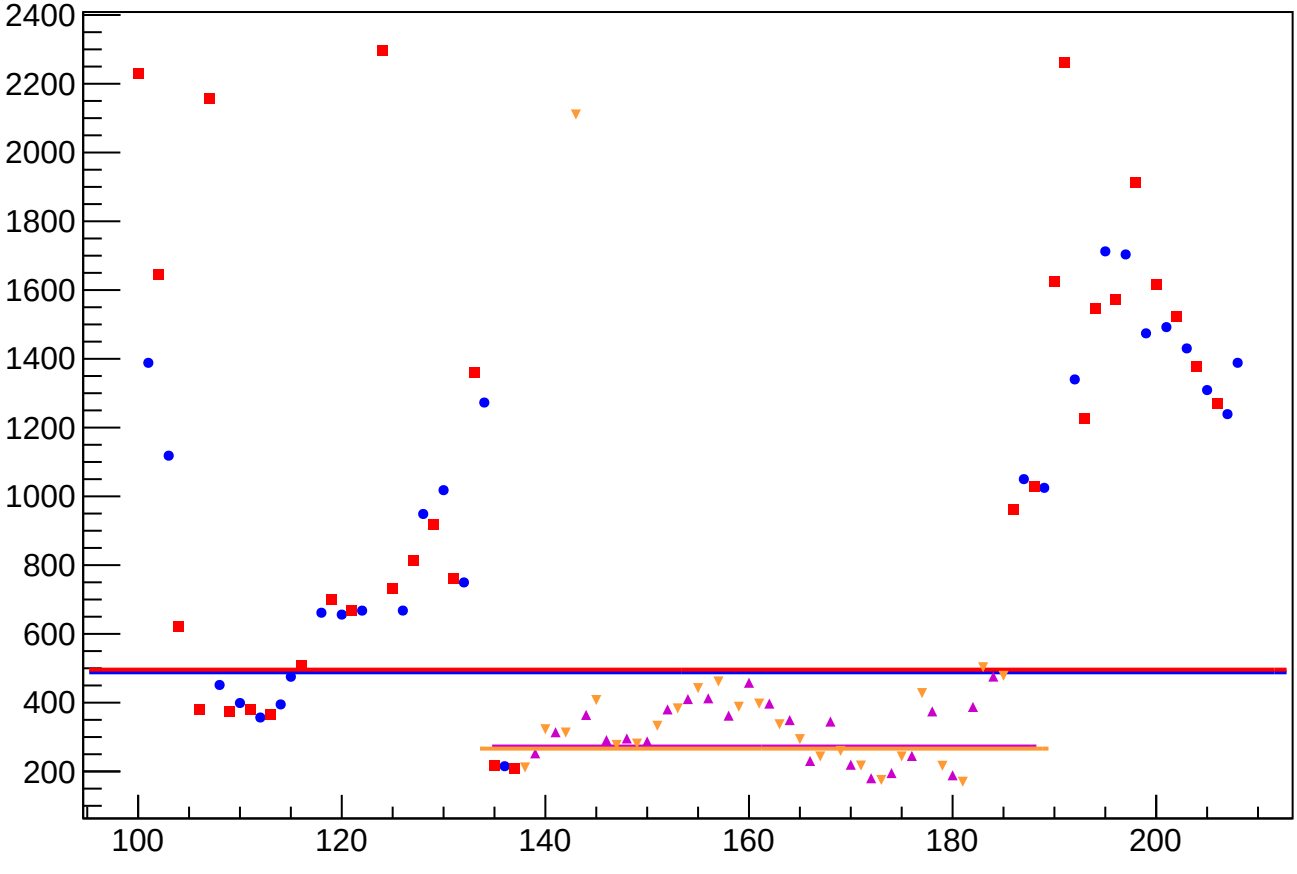
In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -398.922+/-158.437 χ²/NDF: 29.9/26
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: 306.237+/-158.929 χ²/NDF: 21.4/30
Left In: 107.459+/-67.003 χ²/NDF:13.7/22
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -47.434+/-112.205 χ²/NDF: 61.1/57
In: 30.636+/-61.711 χ²/NDF:52.2/49
Out: -56.255+/-60.211 χ²/NDF:75.9/55
All: -13.879+/-43.096 χ²/NDF: 129.2/105

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

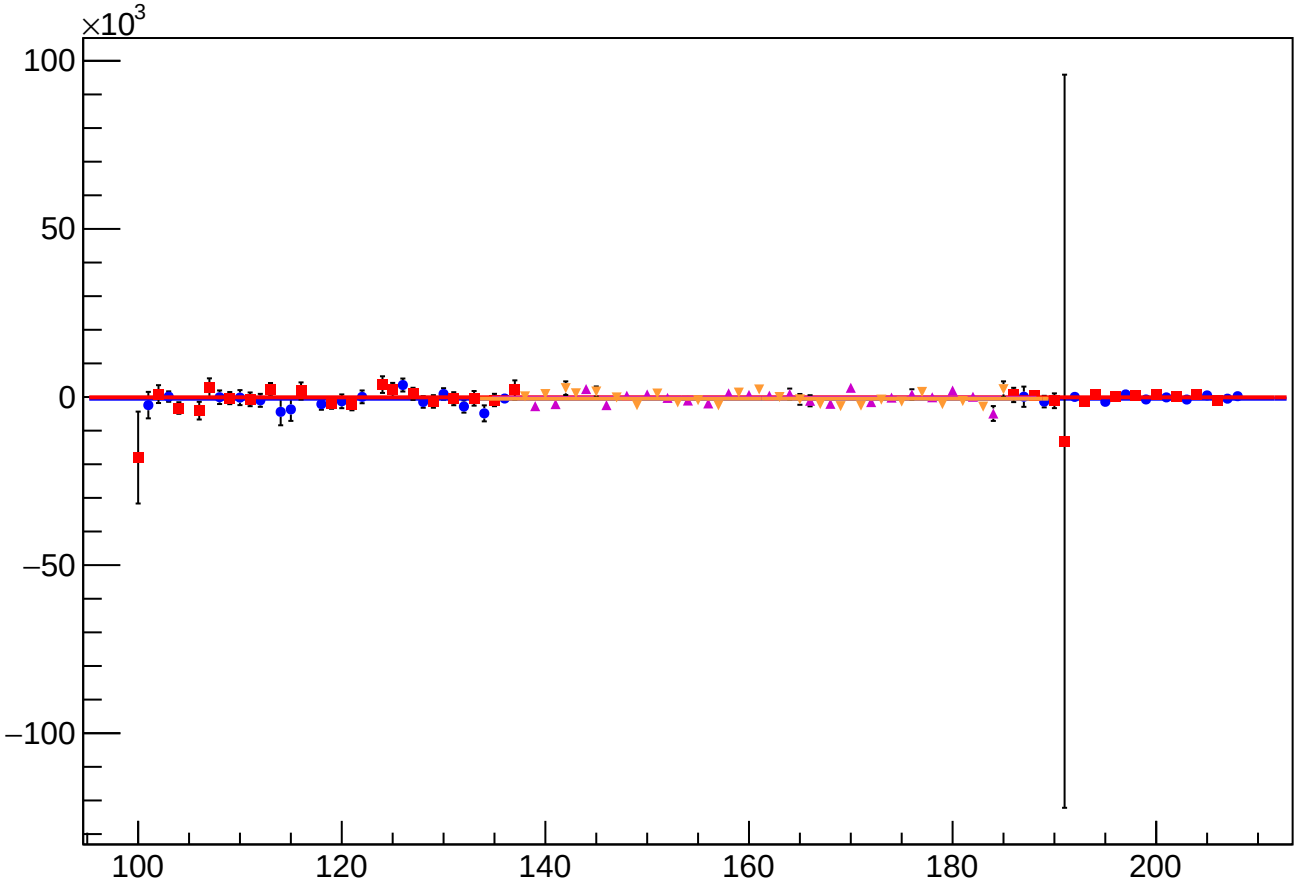
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 492.160+/-0.079 χ^2/NDF: 24596933.4/57

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 302.144+/-0.030 χ^2/NDF: 38851218.9/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.978 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

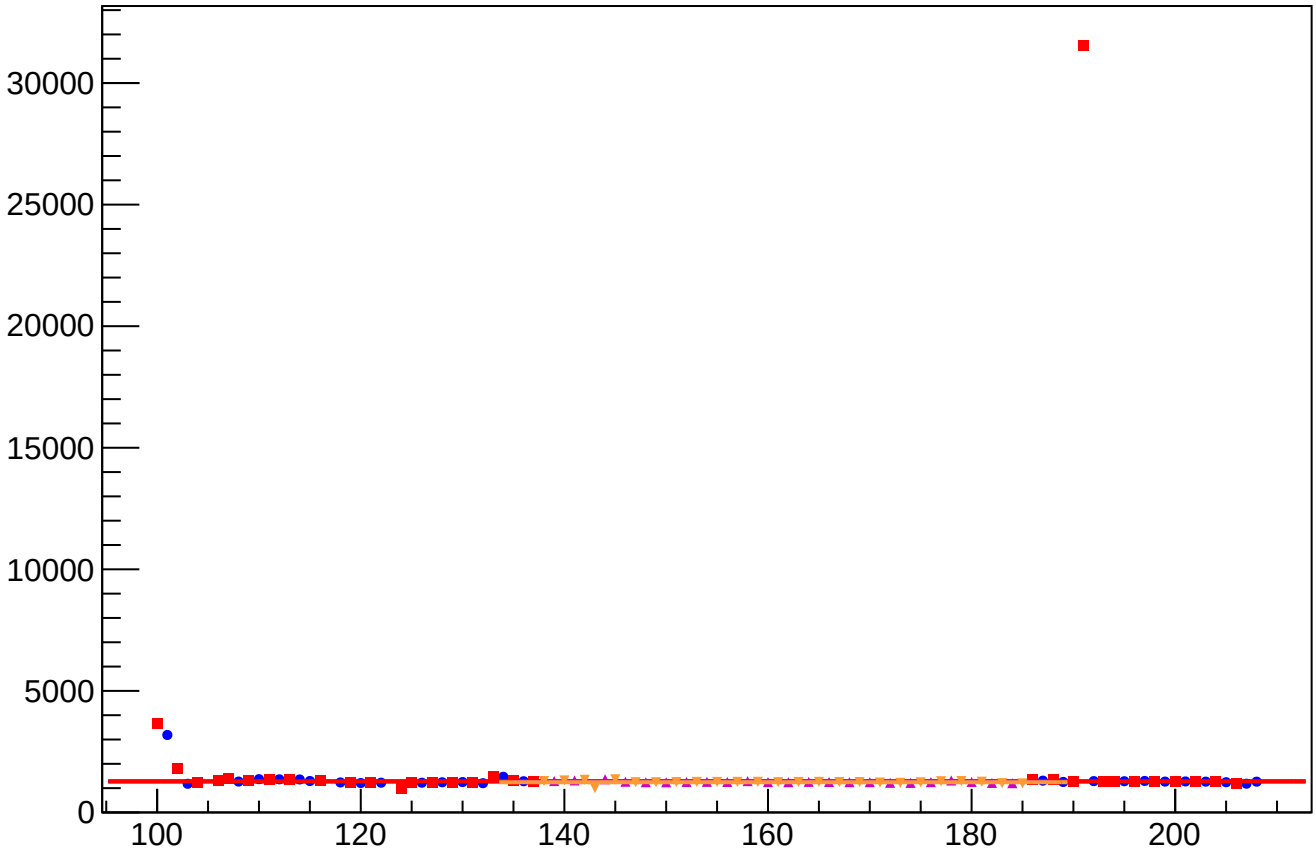
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -295.235+/-228.156 χ^2/NDF: 38.7/57

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -318.267+/-212.451 χ^2/NDF:56.4/55

All: -338.344+/-152.035 χ^2/NDF: 104.1/105



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

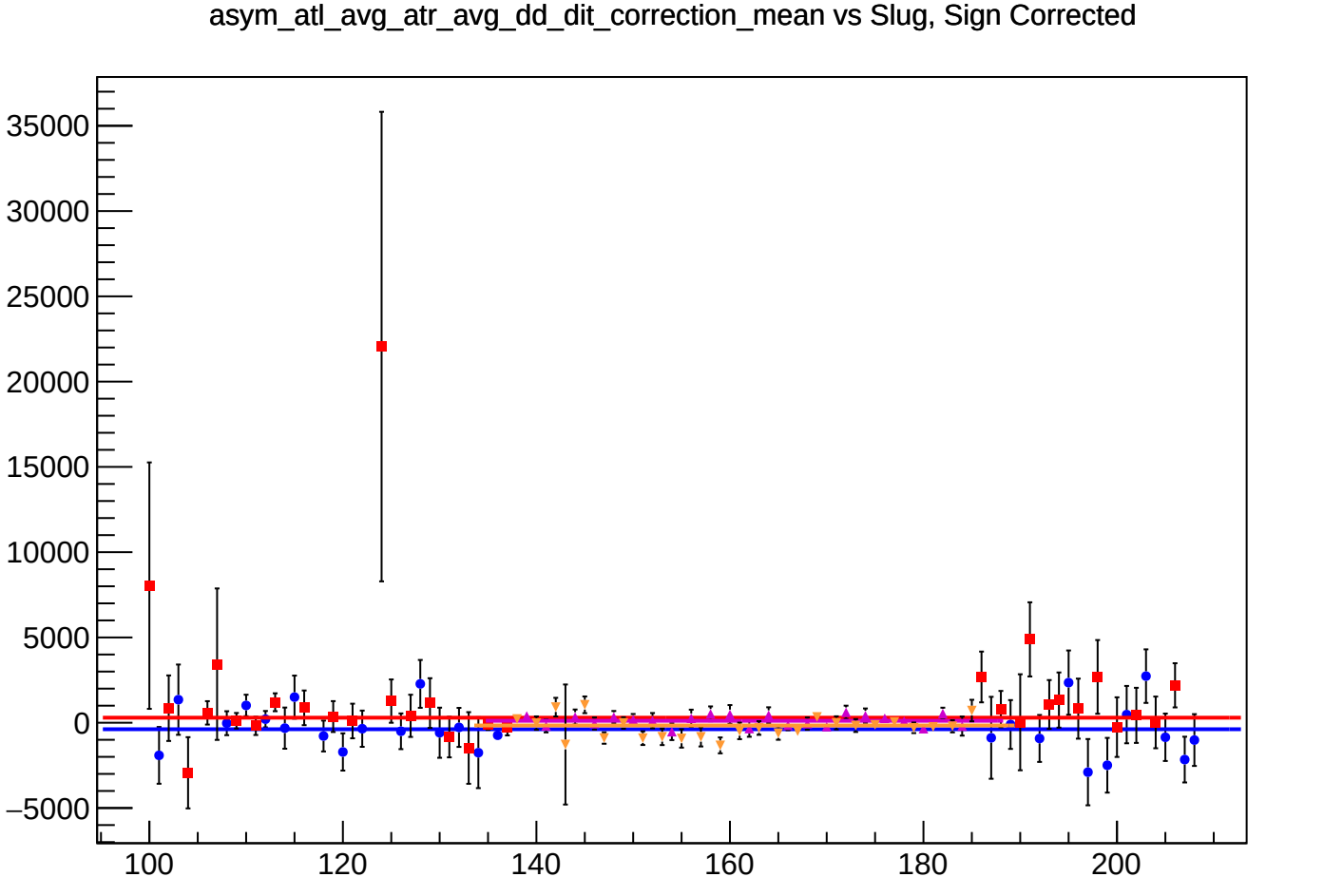
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1278.253+/-0.161 χ^2/NDF: 912892.2/57

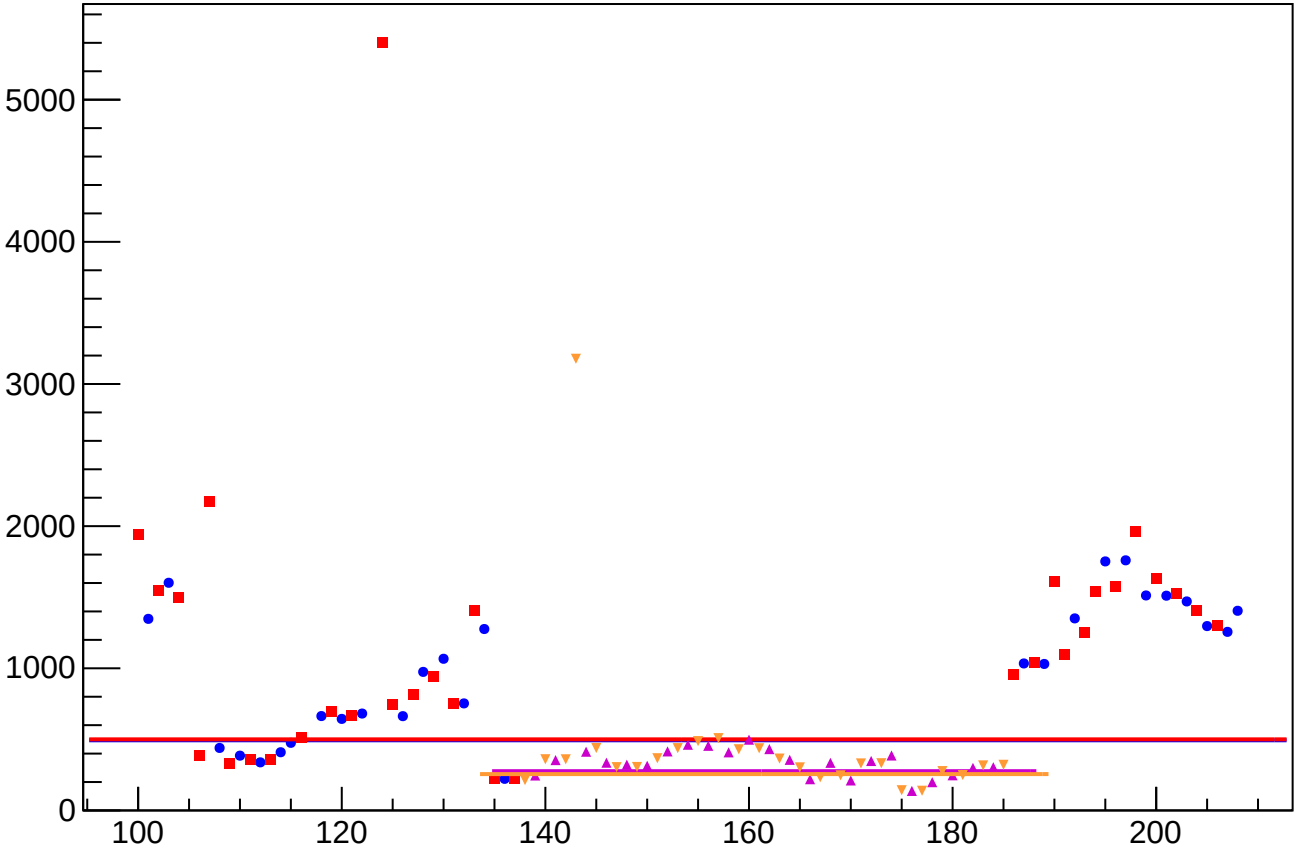
In: 1267.051+/-0.154 χ^2/NDF:555451.4/49

Out: 1259.300+/-0.150 χ^2/NDF:533704.5/55

All: 1263.081+/-0.108 χ^2/NDF: 1090454.8/10


asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -381.169+/-160.116 χ²/NDF: 30.5/26
Left Out: -160.930+/-64.133 χ²/NDF:43.8/24
Right Out: 296.054+/-158.992 χ²/NDF: 28.1/30
Left In: 113.722+/-68.841 χ²/NDF:18.2/22
Left: -33.316+/-46.925 χ²/NDF: 70.5/47
Right: -40.172+/-112.819 χ²/NDF: 67.5/57
In: 36.513+/-63.243 χ²/NDF:56.7/49
Out: -96.980+/-59.476 χ²/NDF:78.9/55
All: -34.327+/-43.327 χ²/NDF: 138.0/105

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

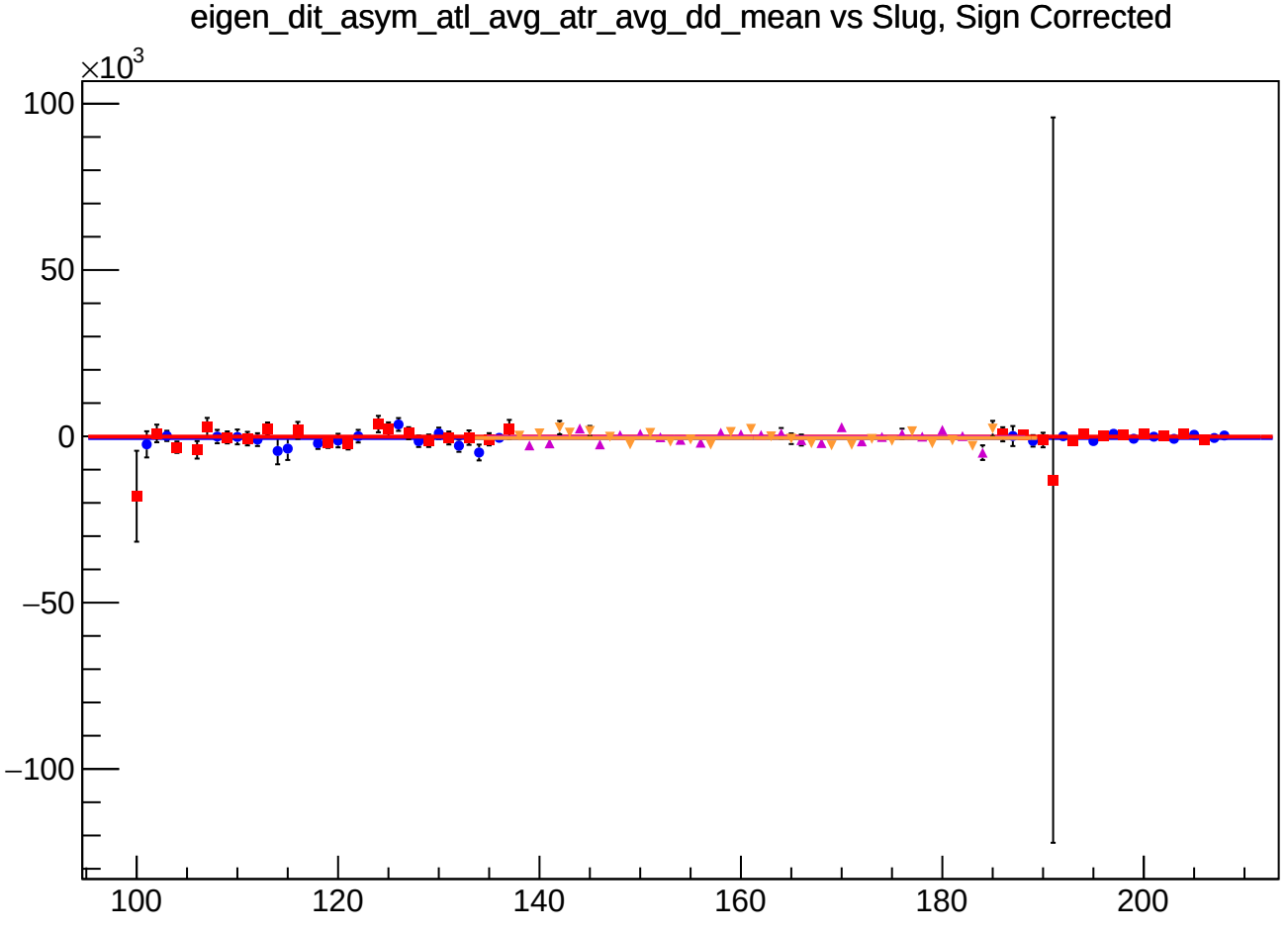
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 496.912+/-0.080 χ^2/NDF: 25273297.6/57

In: 310.203+/-0.045 χ^2/NDF:19577303.0/49

Out: 289.968+/-0.042 χ^2/NDF:23269459.5/55

All: 299.465+/-0.031 χ^2/NDF: 42955415.4/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.977 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

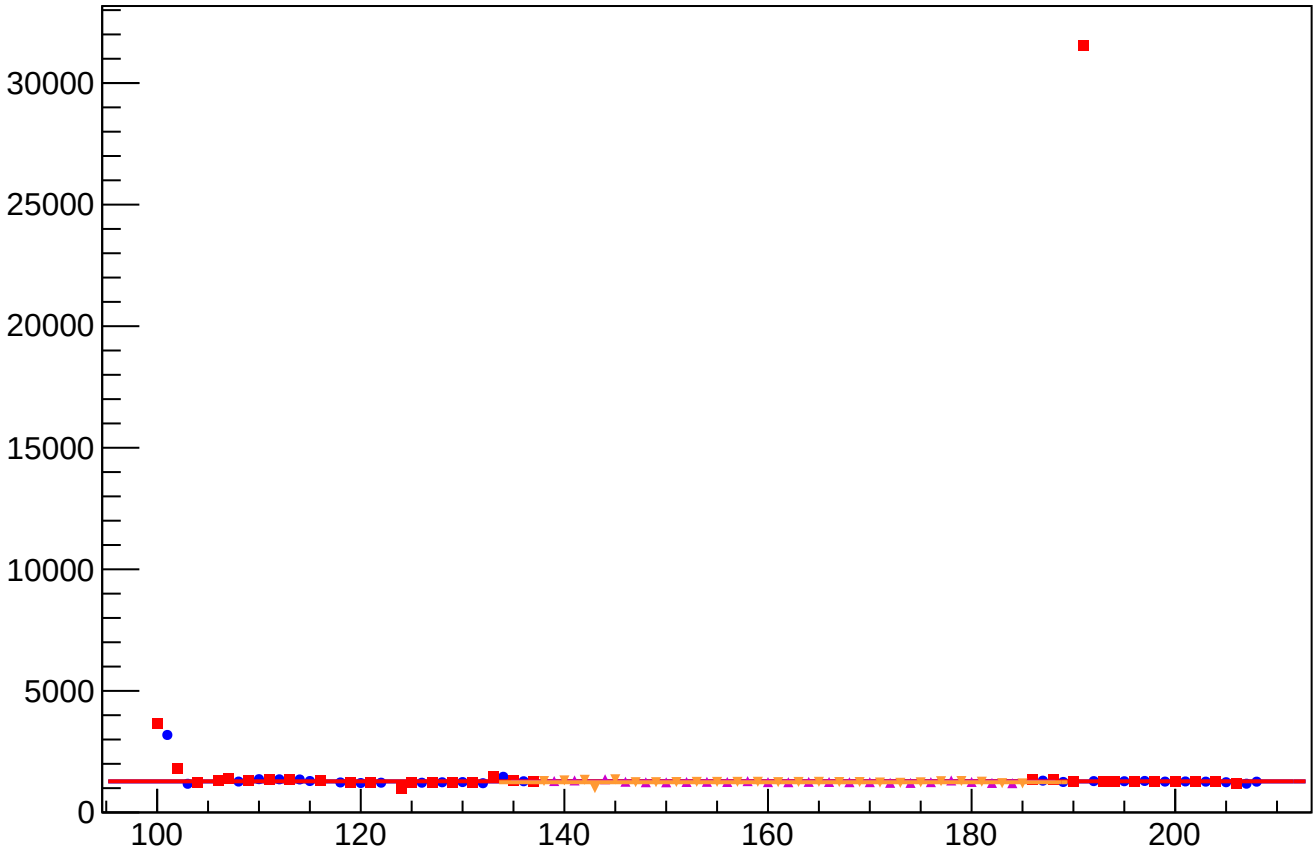
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -295.235+/-228.156 χ^2/NDF: 38.7/57

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -318.266+/-212.451 χ^2/NDF:56.4/55

All: -338.343+/-152.035 χ^2/NDF: 104.1/105



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

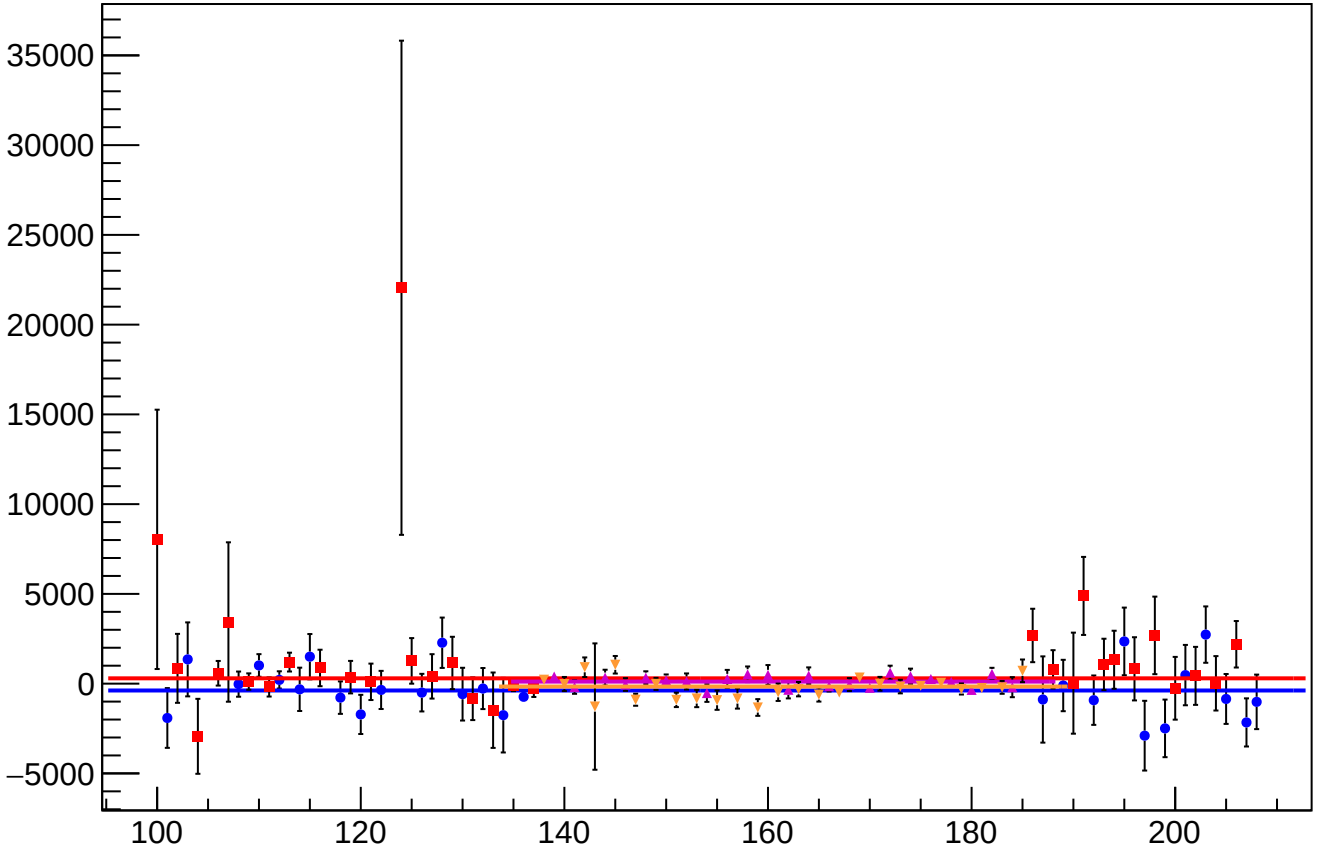
Right: 1278.253+/-0.161 χ^2/NDF: 912892.5/57

In: 1267.051+/-0.154 χ^2/NDF:555451.5/49

Out: 1259.300+/-0.150 χ^2/NDF:533703.9/55

All: 1263.081+/-0.108 χ^2/NDF: 1090454.2/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

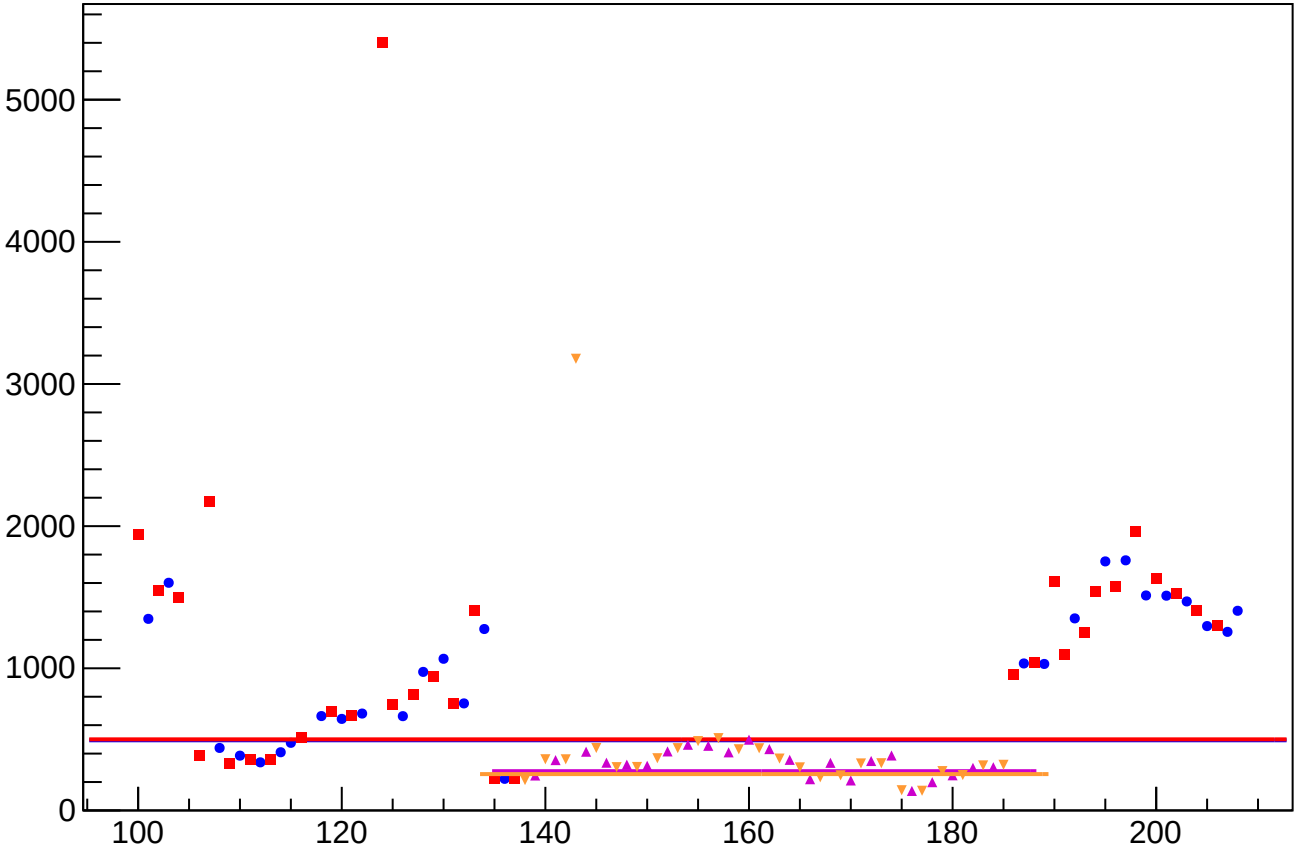
Right: -40.167+/-112.821 χ^2/NDF: 67.5/57

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -96.982+/-59.477 χ^2/NDF:78.9/55

All: -34.328+/-43.327 χ^2/NDF: 138.0/105

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

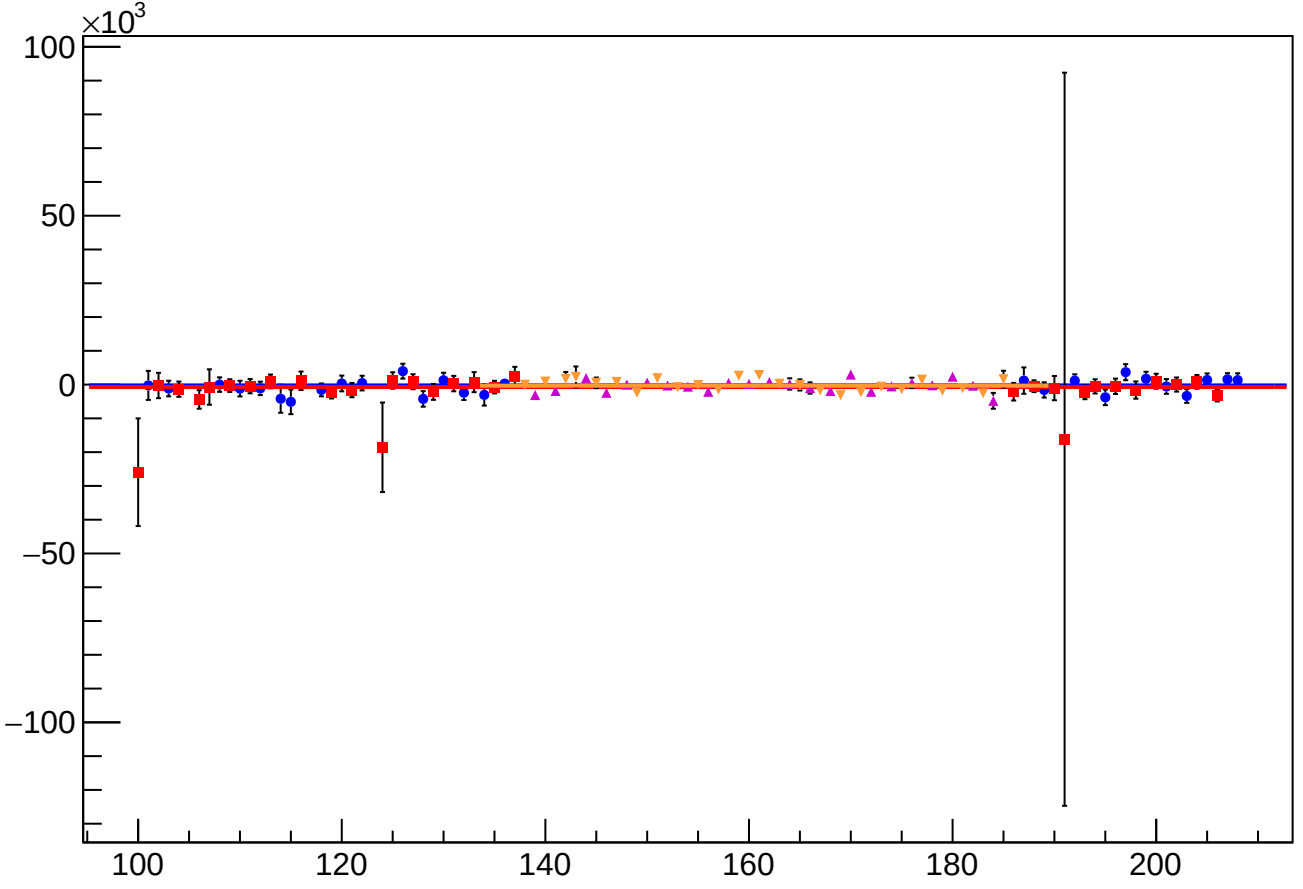
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 496.923+/-0.080 χ^2/NDF: 25272642.3/57

In: 310.205+/-0.045 χ^2/NDF:19577152.9/49

Out: 289.970+/-0.042 χ^2/NDF:23269263.7/55

All: 299.467+/-0.031 χ^2/NDF: 42955063.7/10



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -731.385+/-426.611 χ^2/NDF: 15.9/30

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

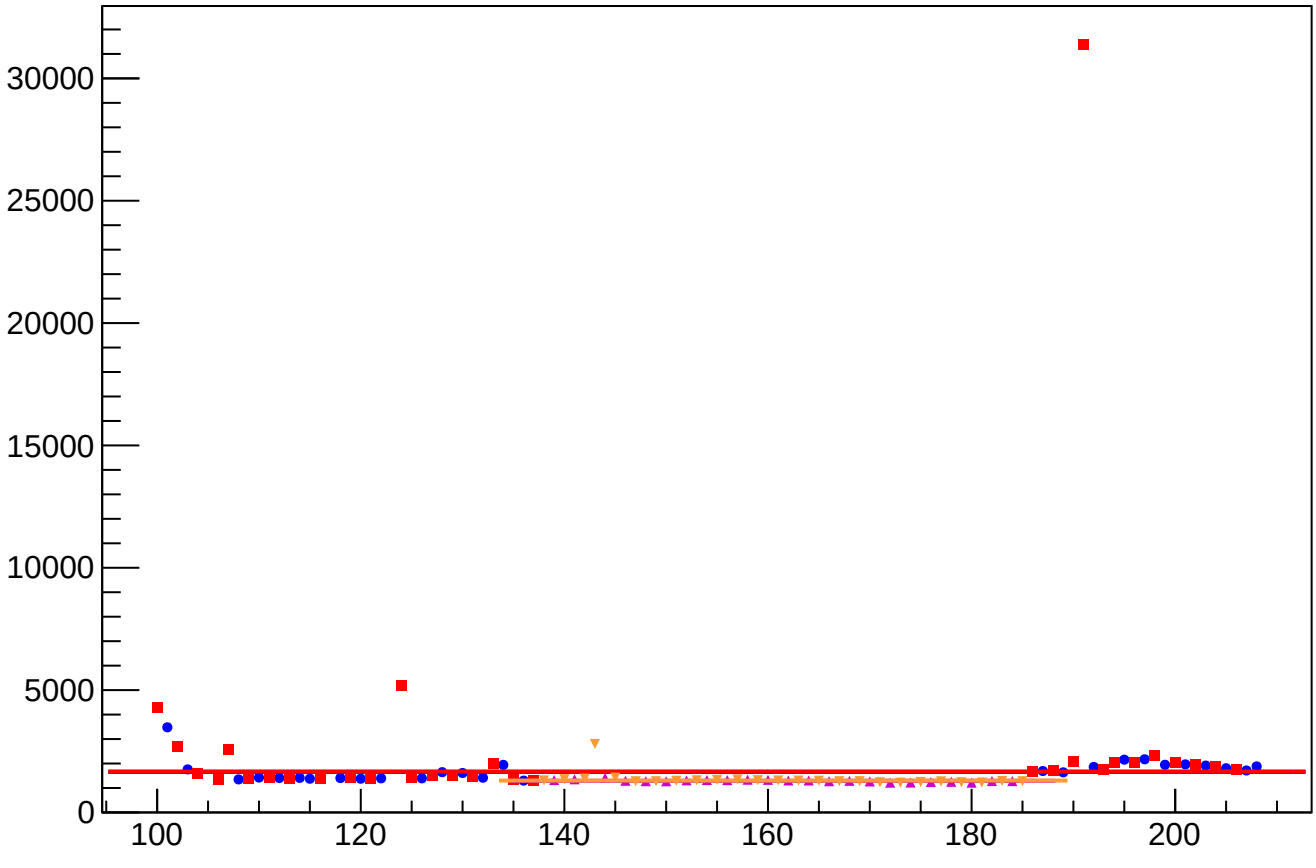
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -485.893+/-301.077 χ^2/NDF: 41.2/57

In: -318.118+/-246.118 χ^2/NDF:54.3/49

Out: -454.898+/-244.449 χ^2/NDF:48.1/55

All: -386.973+/-173.439 χ^2/NDF: 102.6/105



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

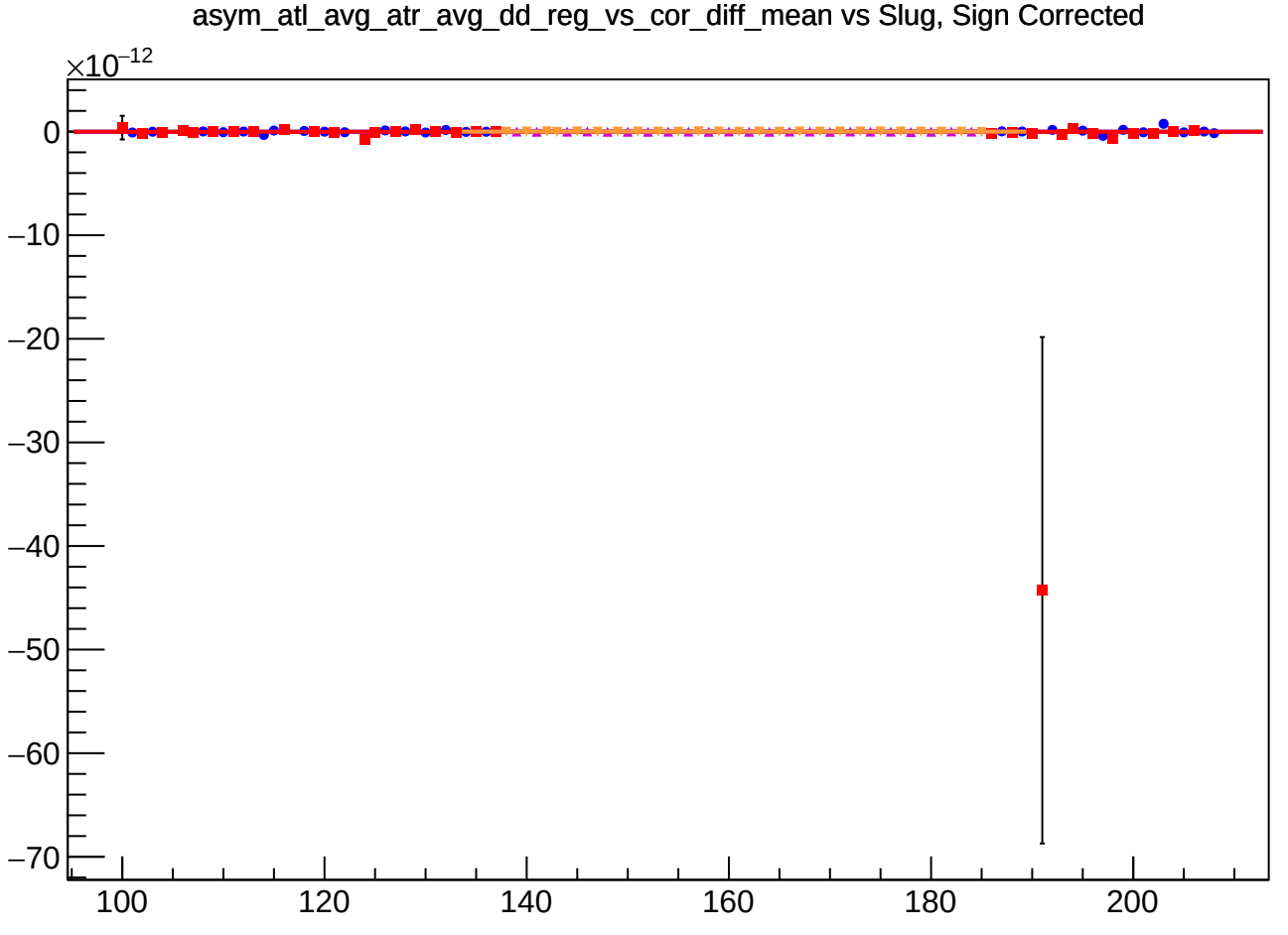
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1665.467+/-0.213 χ^2/NDF: 2505262.8/57

In: 1414.976+/-0.174 χ^2/NDF:2165665.7/49

Out: 1425.124+/-0.173 χ^2/NDF:2895765.2/55

All: 1420.085+/-0.123 χ^2/NDF: 5063142.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

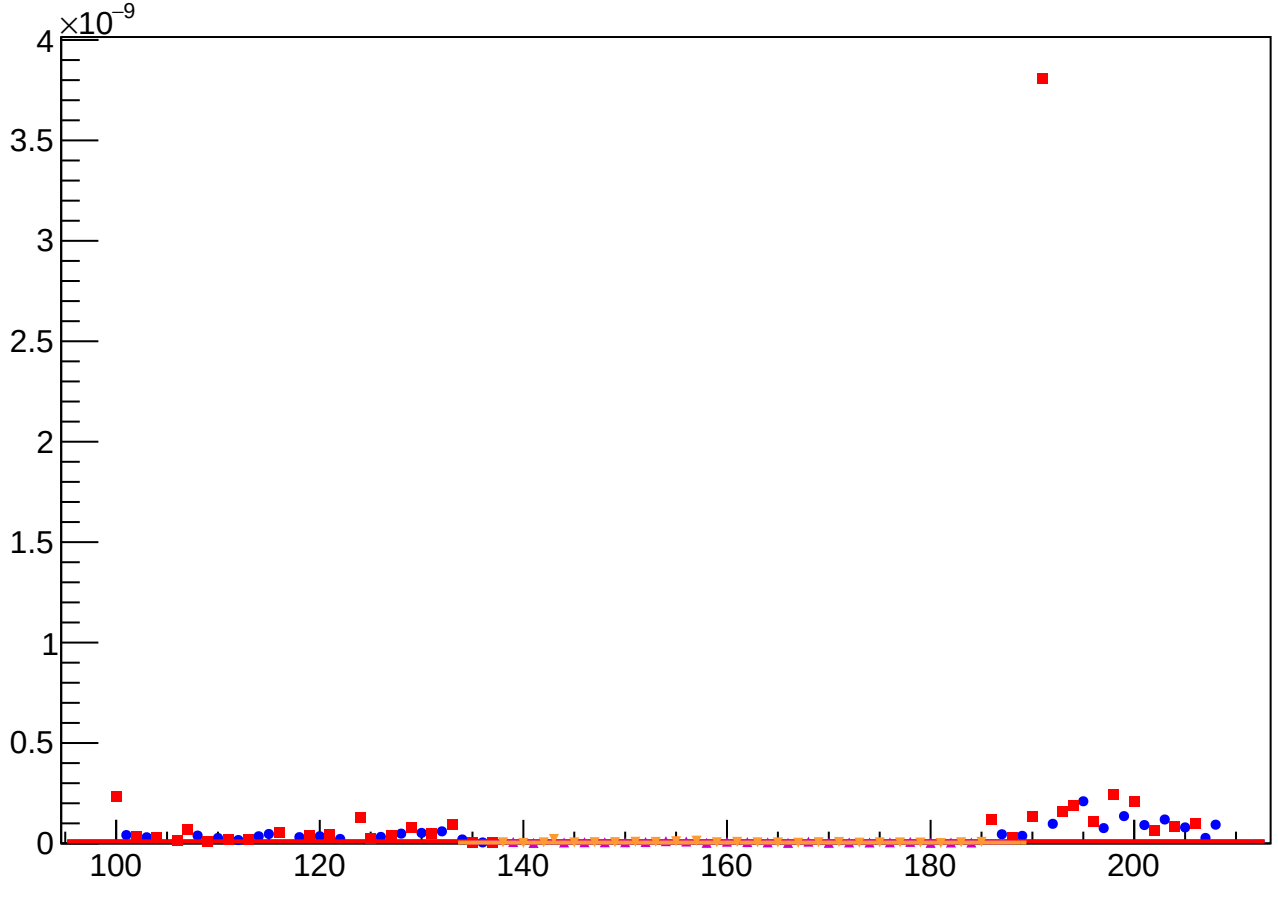
Right: -0.000+/-0.000 χ^2/NDF: 66.4/57

In: -0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: -0.000+/-0.000 χ^2/NDF: 125.6/105

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

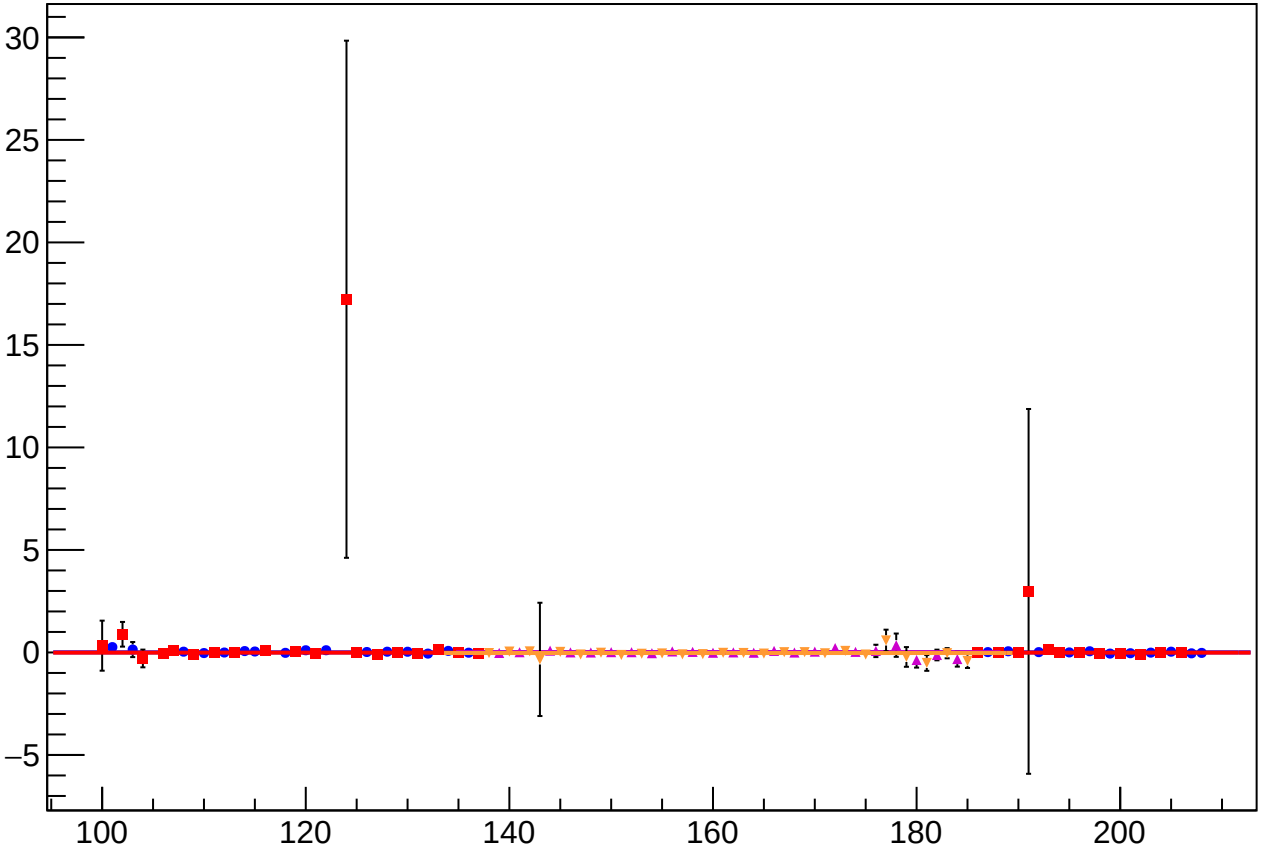
Right: 0.000+/-0.000 χ^2/NDF: 16749164.9/57

In: 0.000+/-0.000 χ^2/NDF:10253278.6/49

Out: 0.000+/-0.000 χ^2/NDF:13036538.2/55

All: 0.000+/-0.000 χ^2/NDF: 23319887.0/105

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

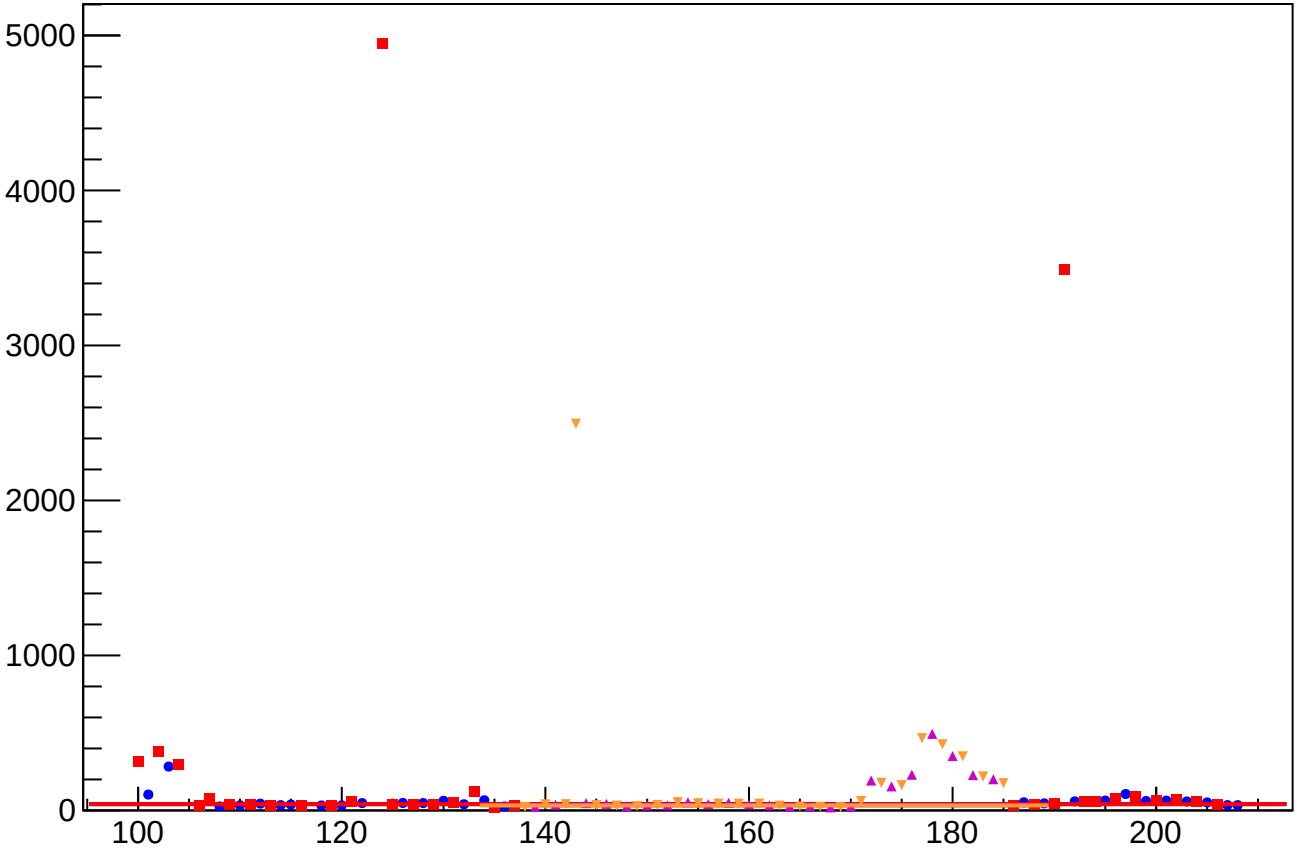
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

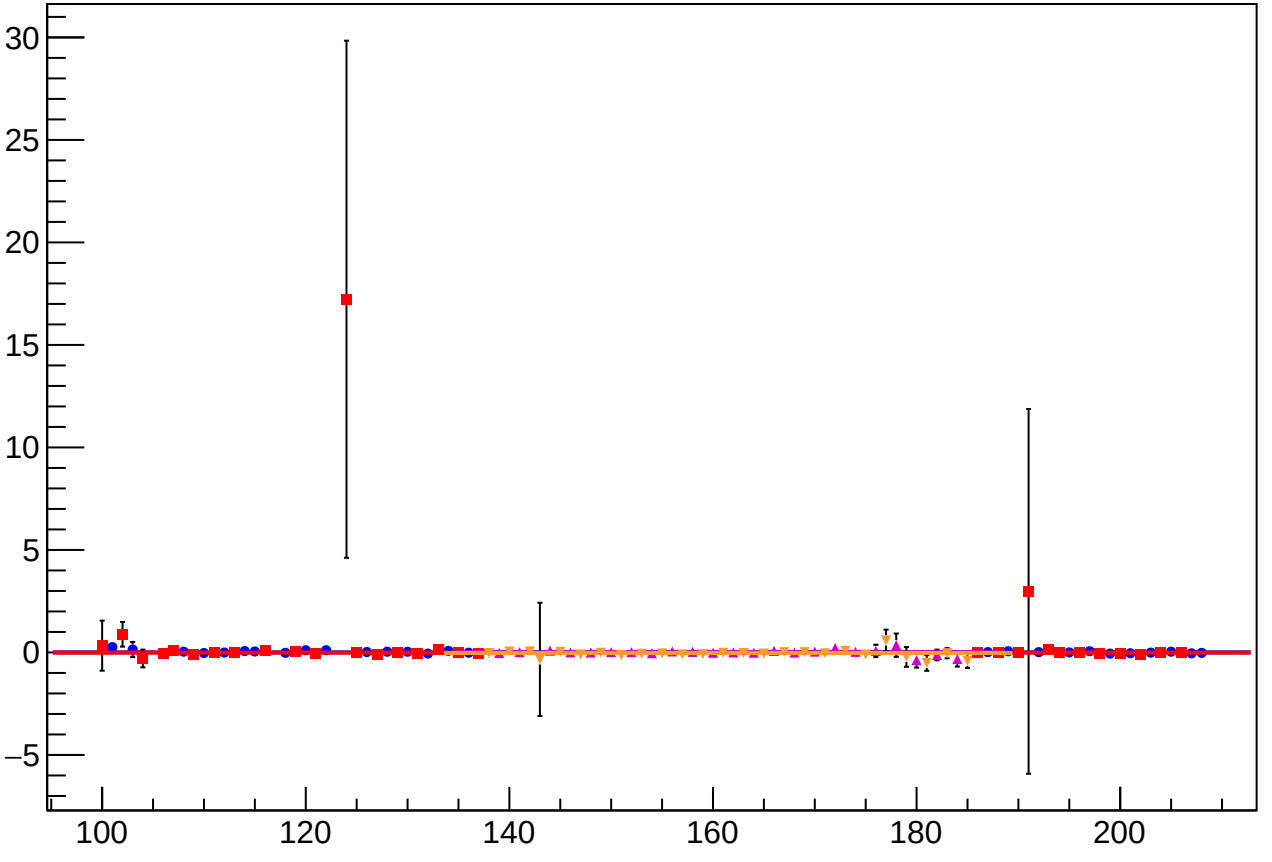
Right: 40.696+/-0.006 χ^2/NDF: 9551285.4/57

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

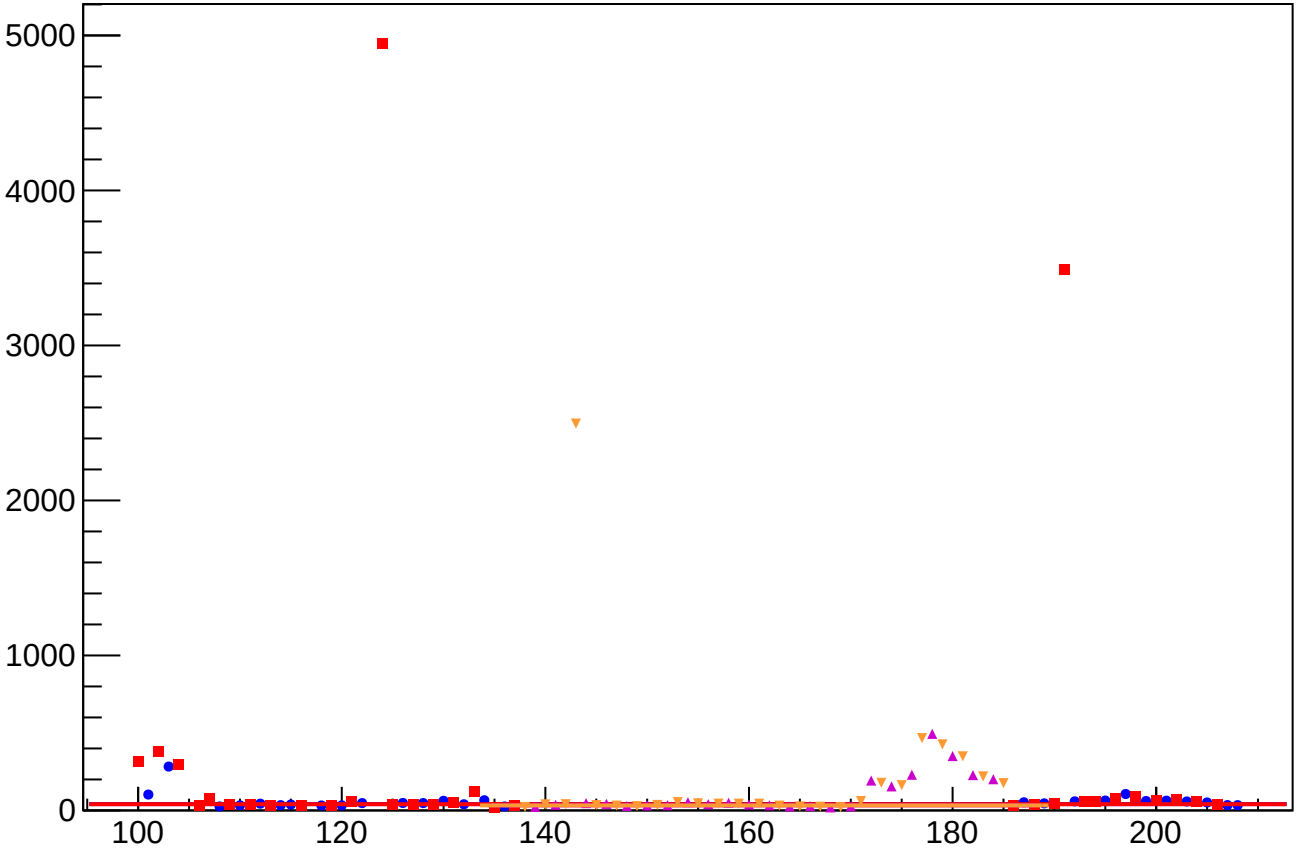
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

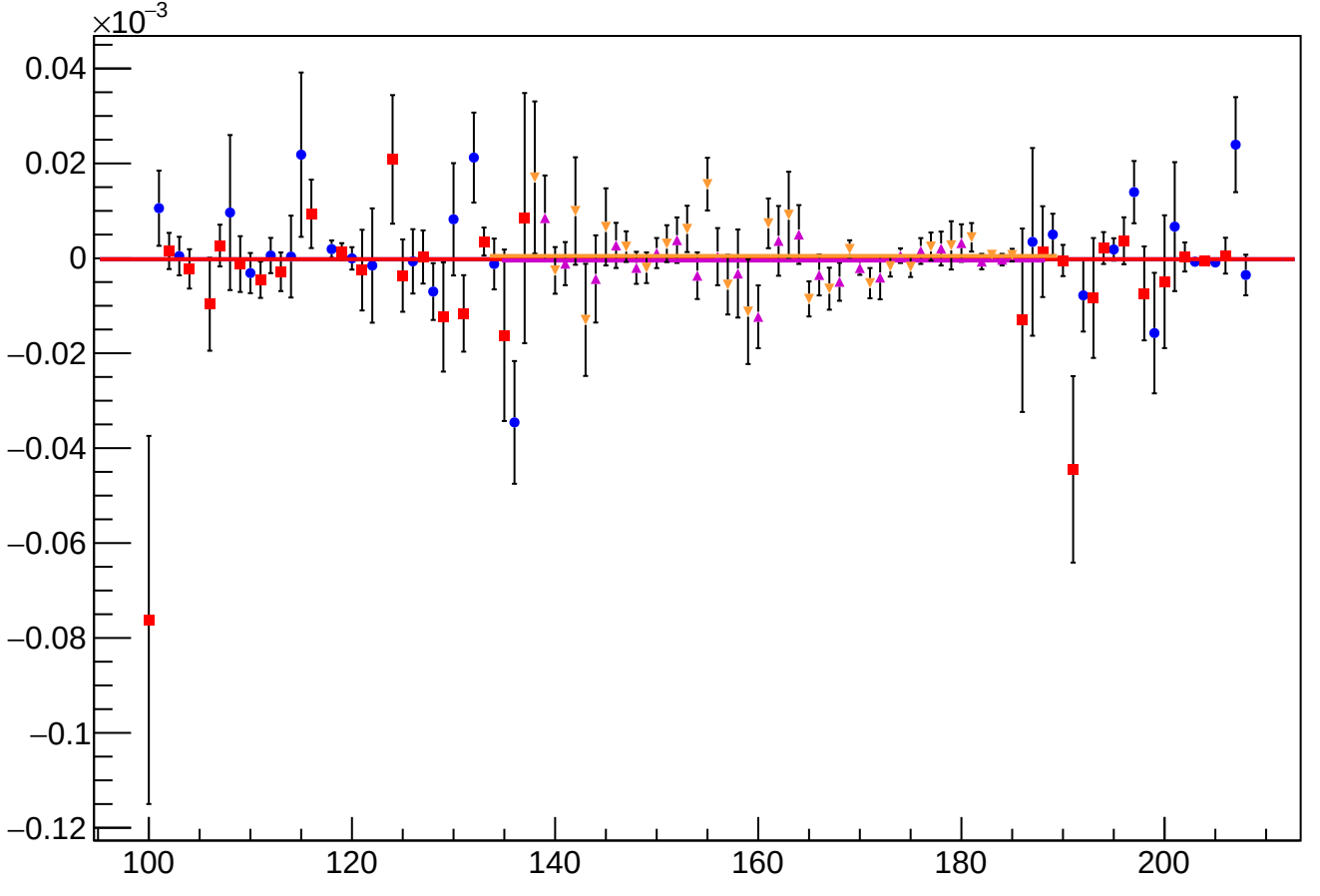
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.696+/-0.006 χ^2/NDF: 9551285.4/57

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

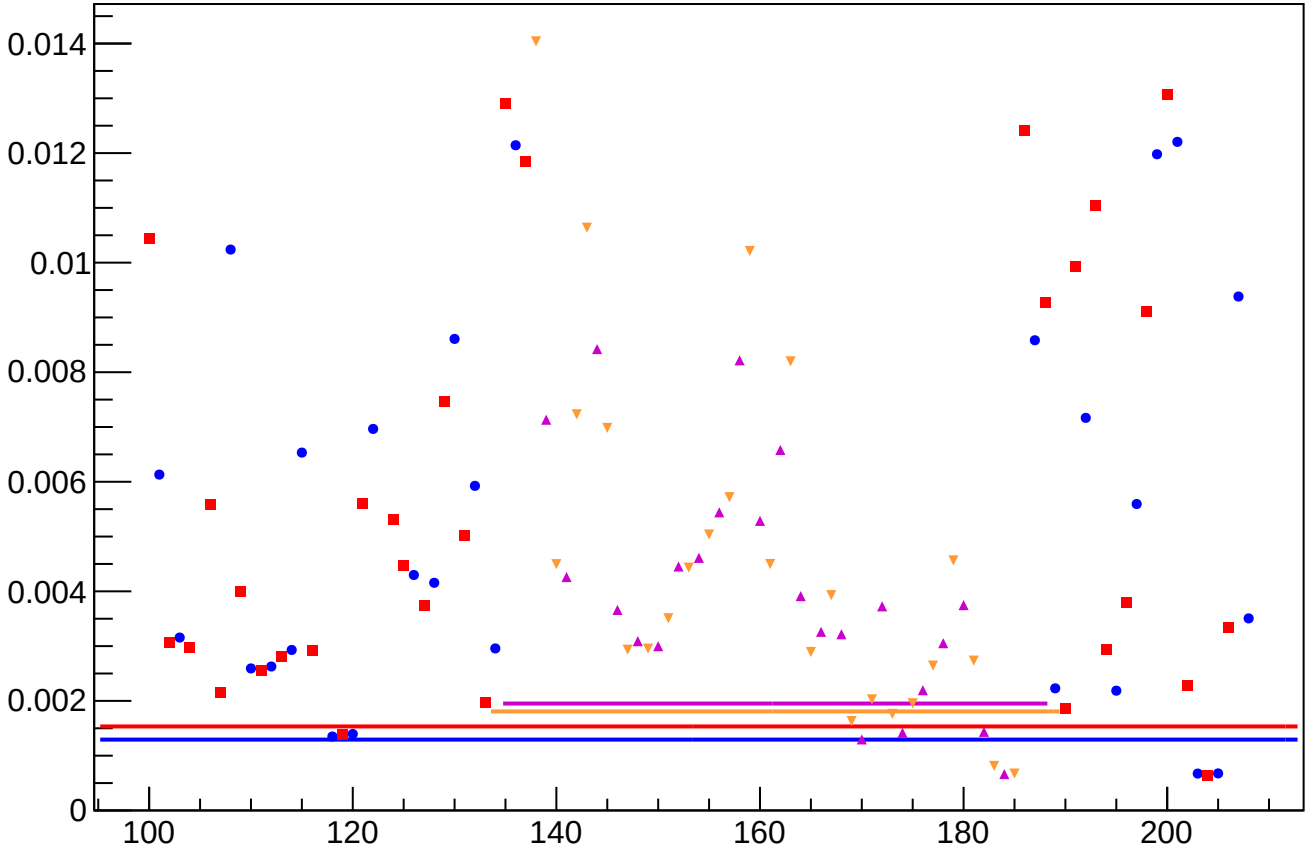
Right: -0.000+/-0.000 χ^2/NDF: 62.9/57

In: -0.000+/-0.000 χ^2/NDF:50.6/49

Out: 0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 114.0/105

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

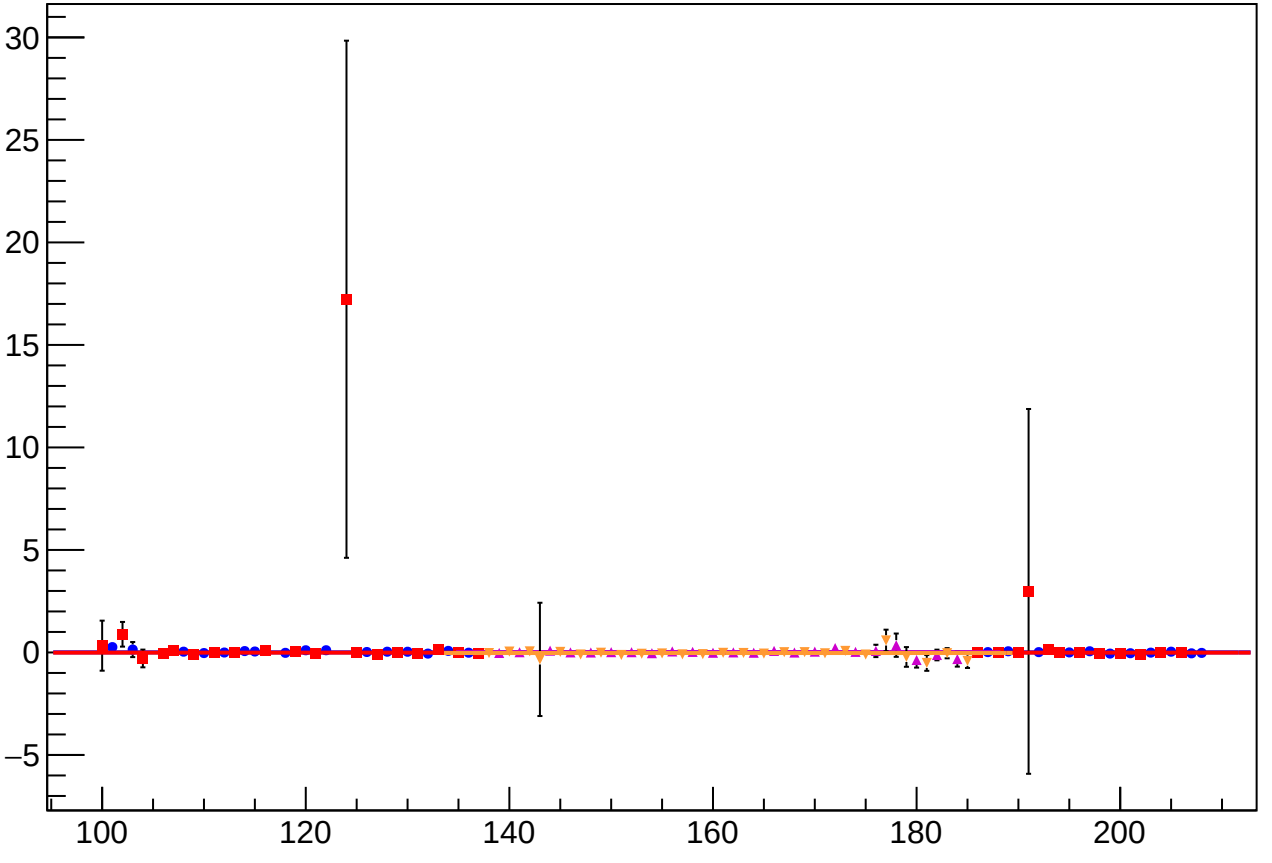
Right: 0.001+/-0.000 χ^2/NDF: 31484145.9/57

In: 0.002+/-0.000 χ^2/NDF:28775285.2/49

Out: 0.002+/-0.000 χ^2/NDF:30596050.0/55

All: 0.002+/-0.000 χ^2/NDF: 59433681.6/105

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

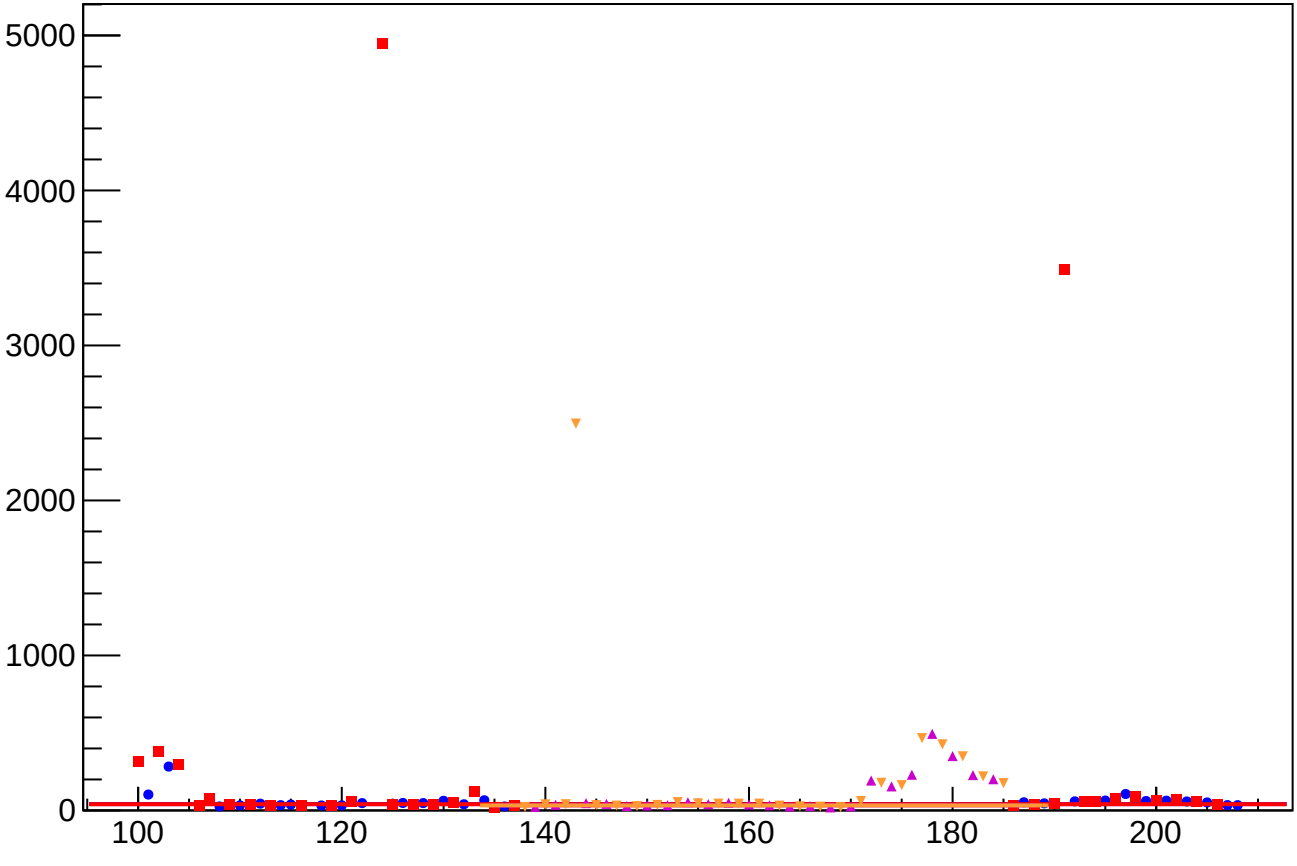
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

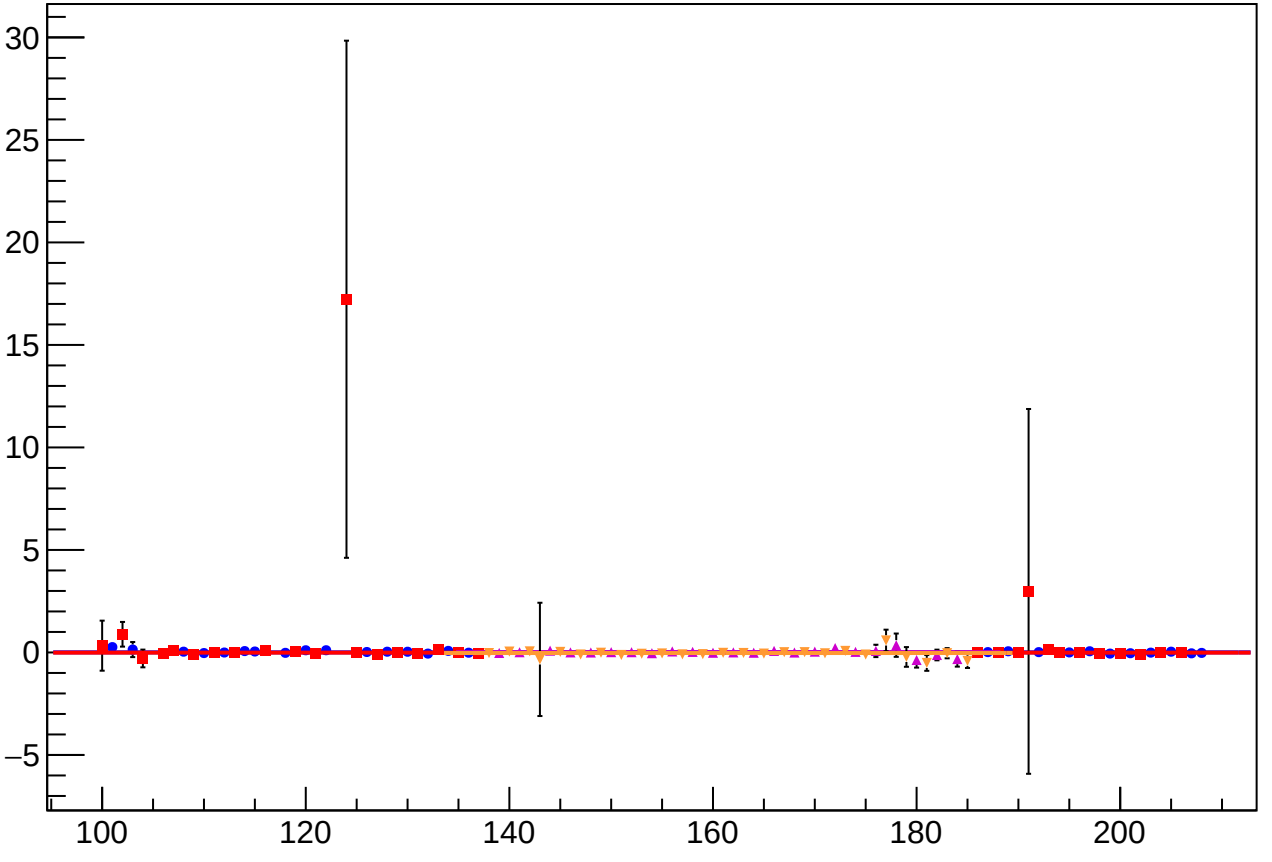
Right: 40.696+/-0.006 χ^2/NDF: 9550731.0/57

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

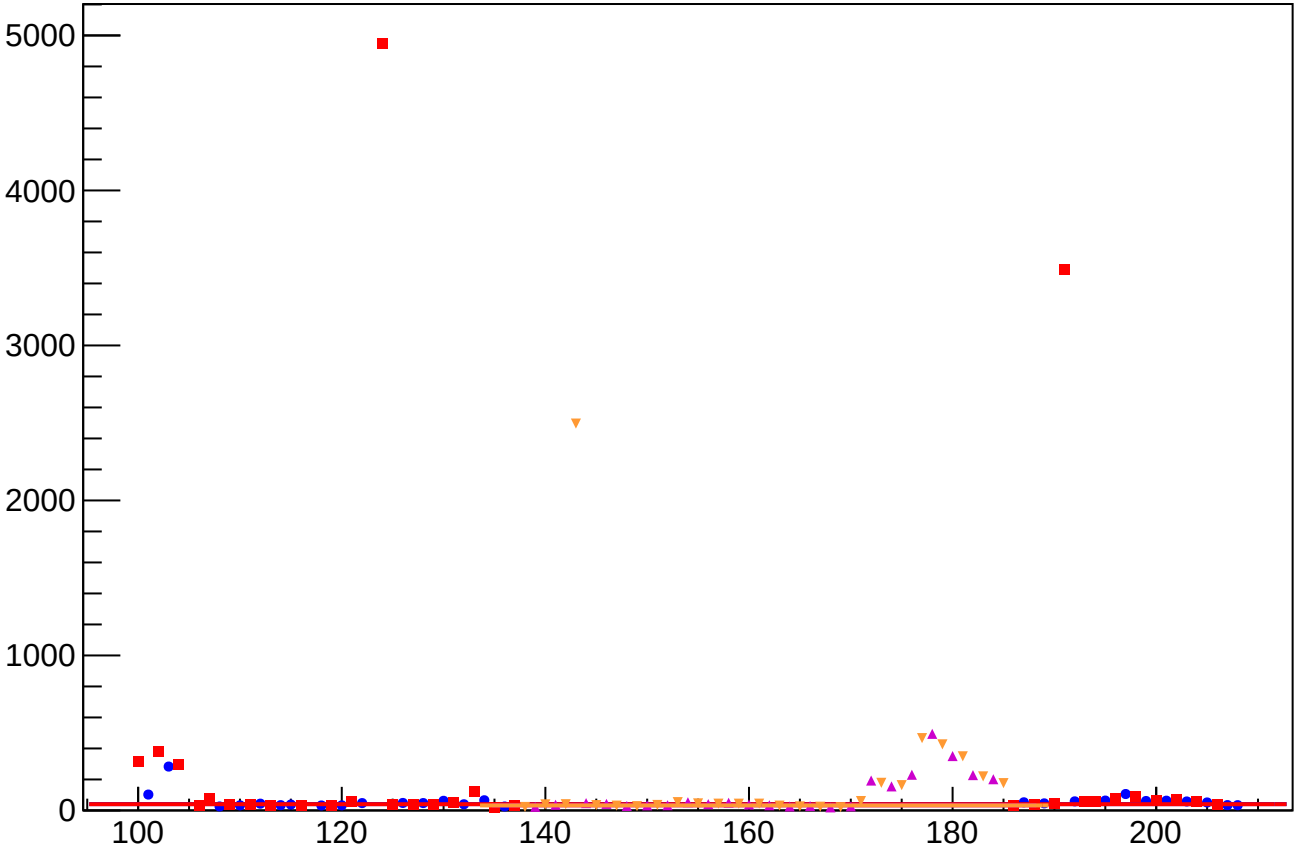
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

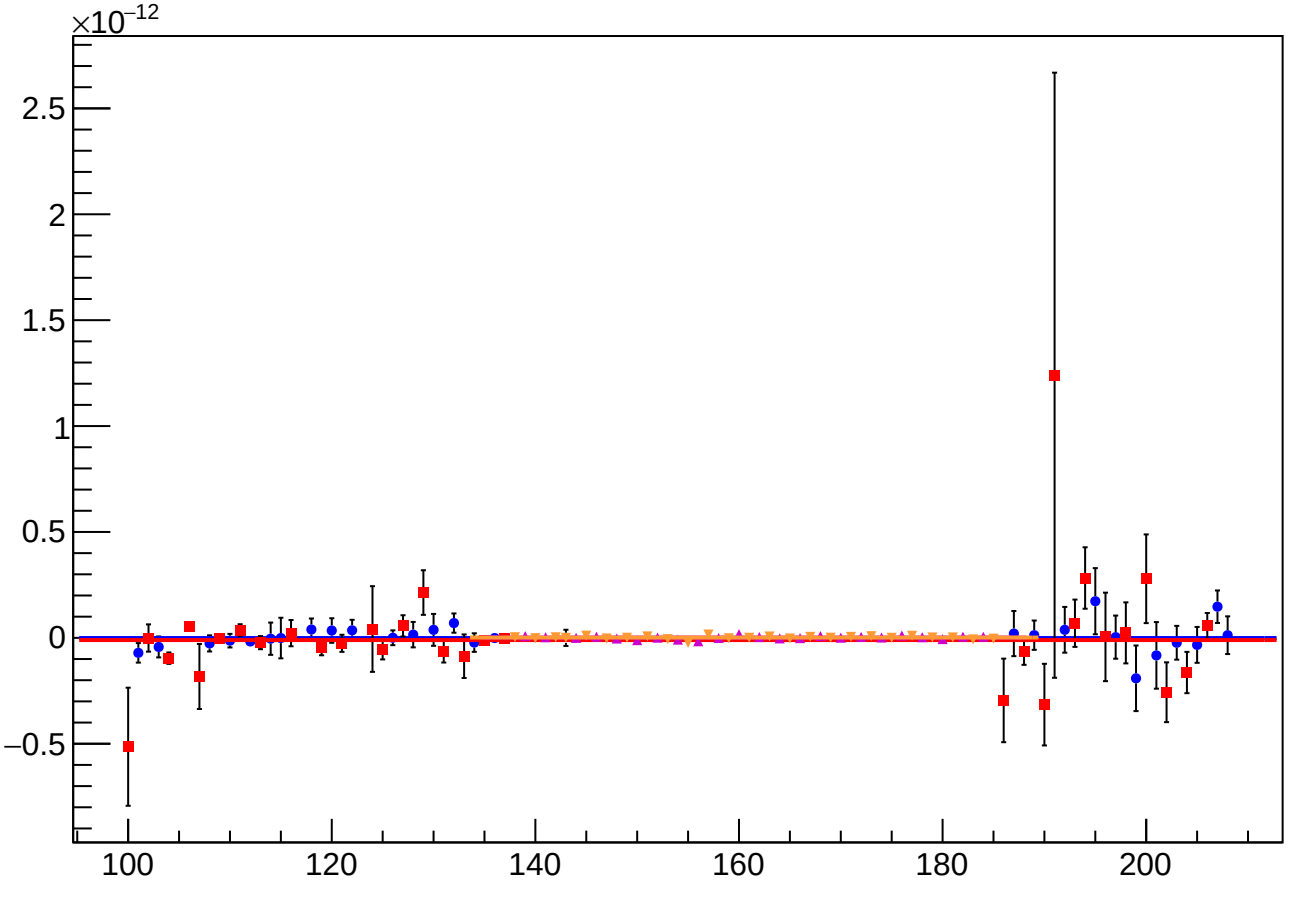
Right: 40.696+/-0.006 χ^2/NDF: 9550731.0/57

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

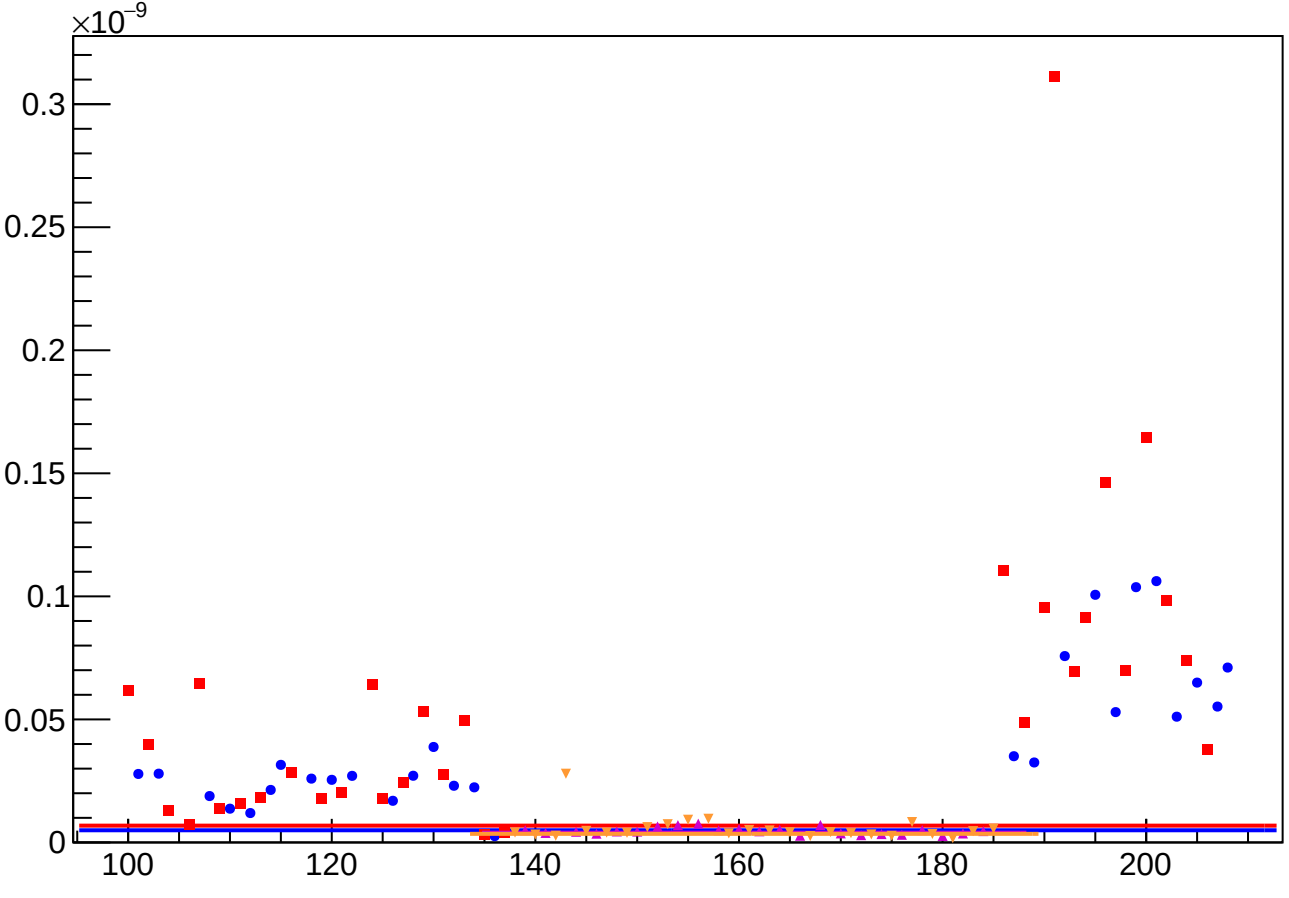
Right: -0.000+/-0.000 χ^2/NDF: 78.1/57

In: 0.000+/-0.000 χ^2/NDF:44.9/49

Out: 0.000+/-0.000 χ^2/NDF:85.1/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/105

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

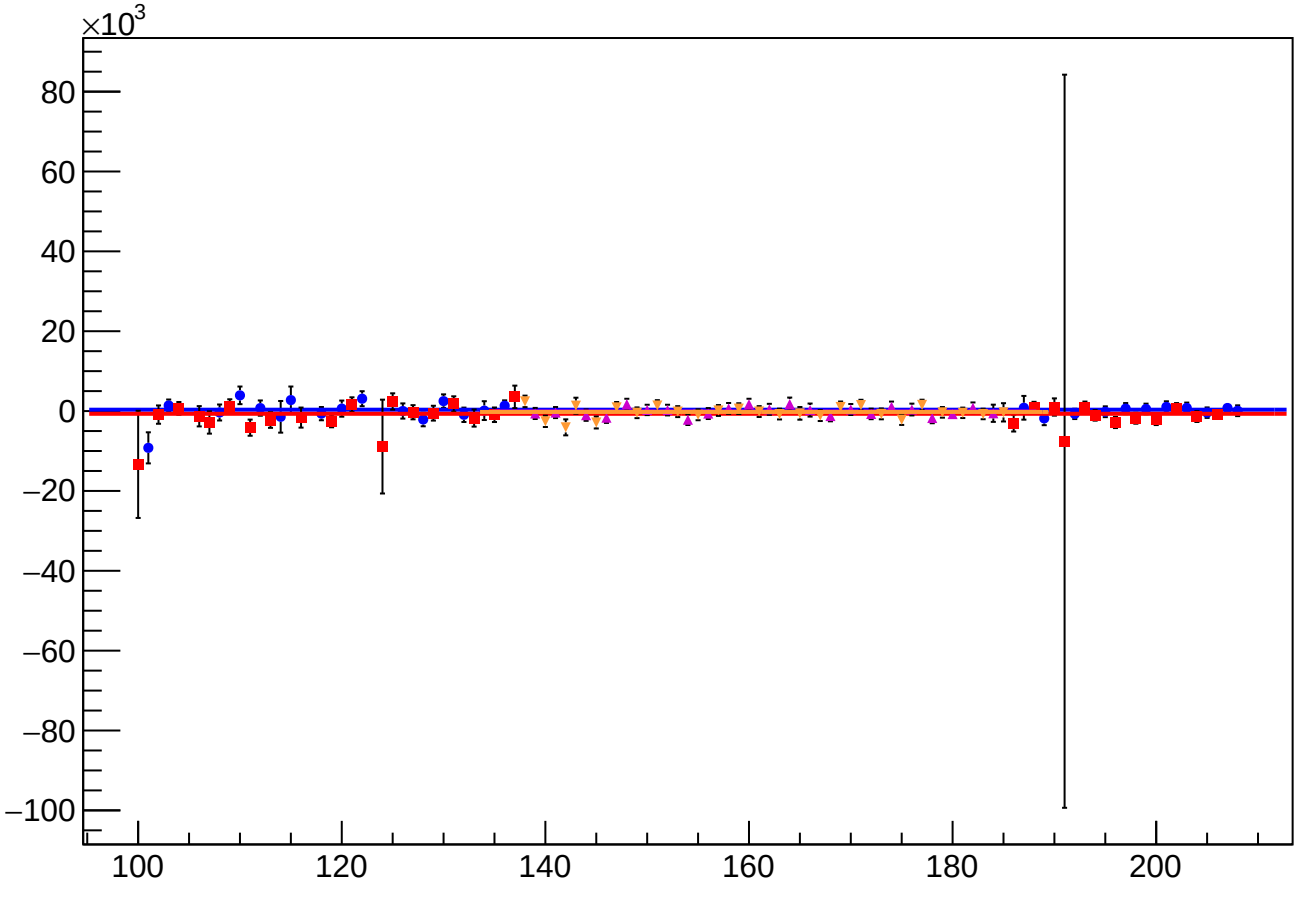
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 26125369.0/57

In: 0.000+/-0.000 χ^2/NDF:15203063.5/49

Out: 0.000+/-0.000 χ^2/NDF:18804712.5/55

All: 0.000+/-0.000 χ^2/NDF: 34134511.8/105



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -681.848+/-319.078 χ^2/NDF: 27.3/30

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

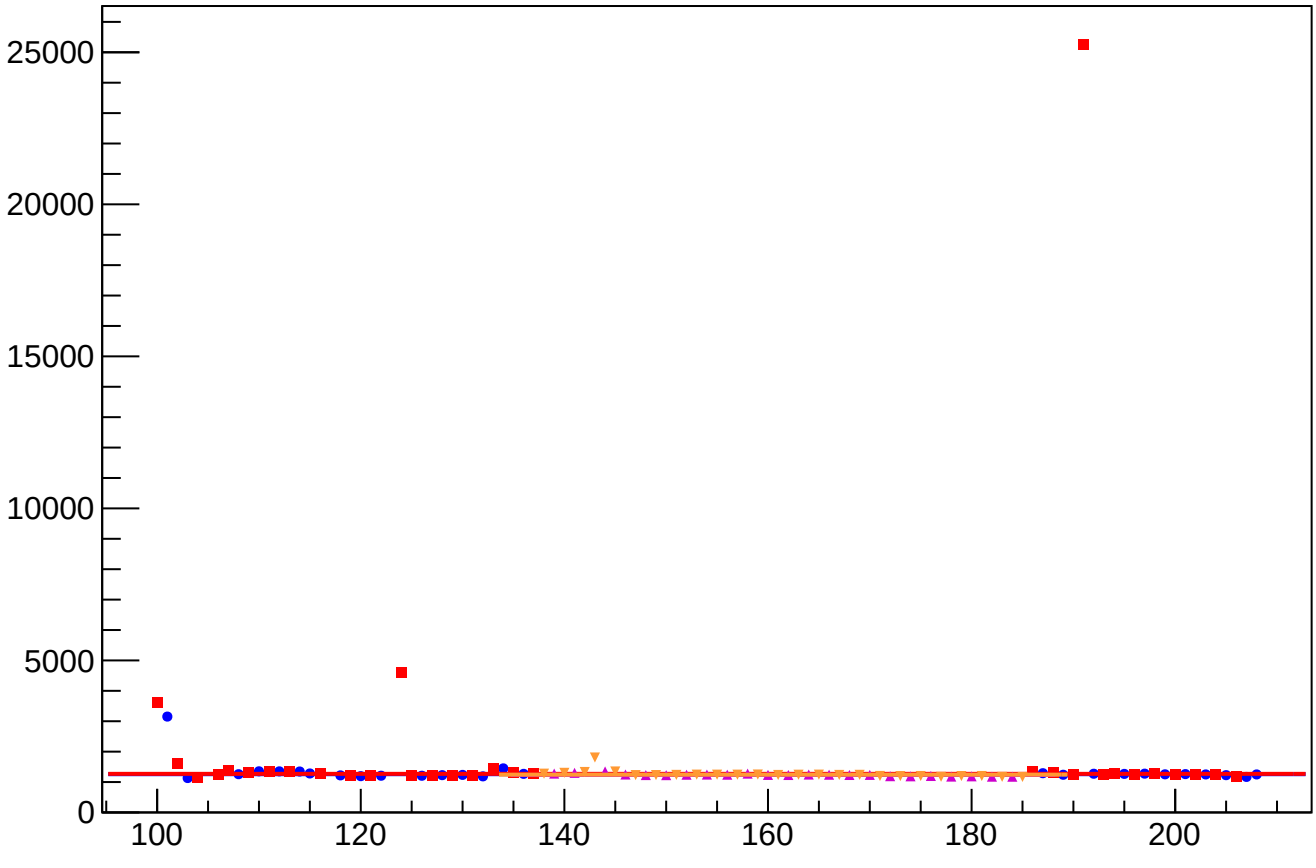
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -168.412+/-225.581 χ^2/NDF: 53.2/57

In: 104.051+/-213.846 χ^2/NDF:36.4/49

Out: -423.796+/-211.745 χ^2/NDF:52.4/55

All: -162.477+/-150.464 χ^2/NDF: 91.9/105



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

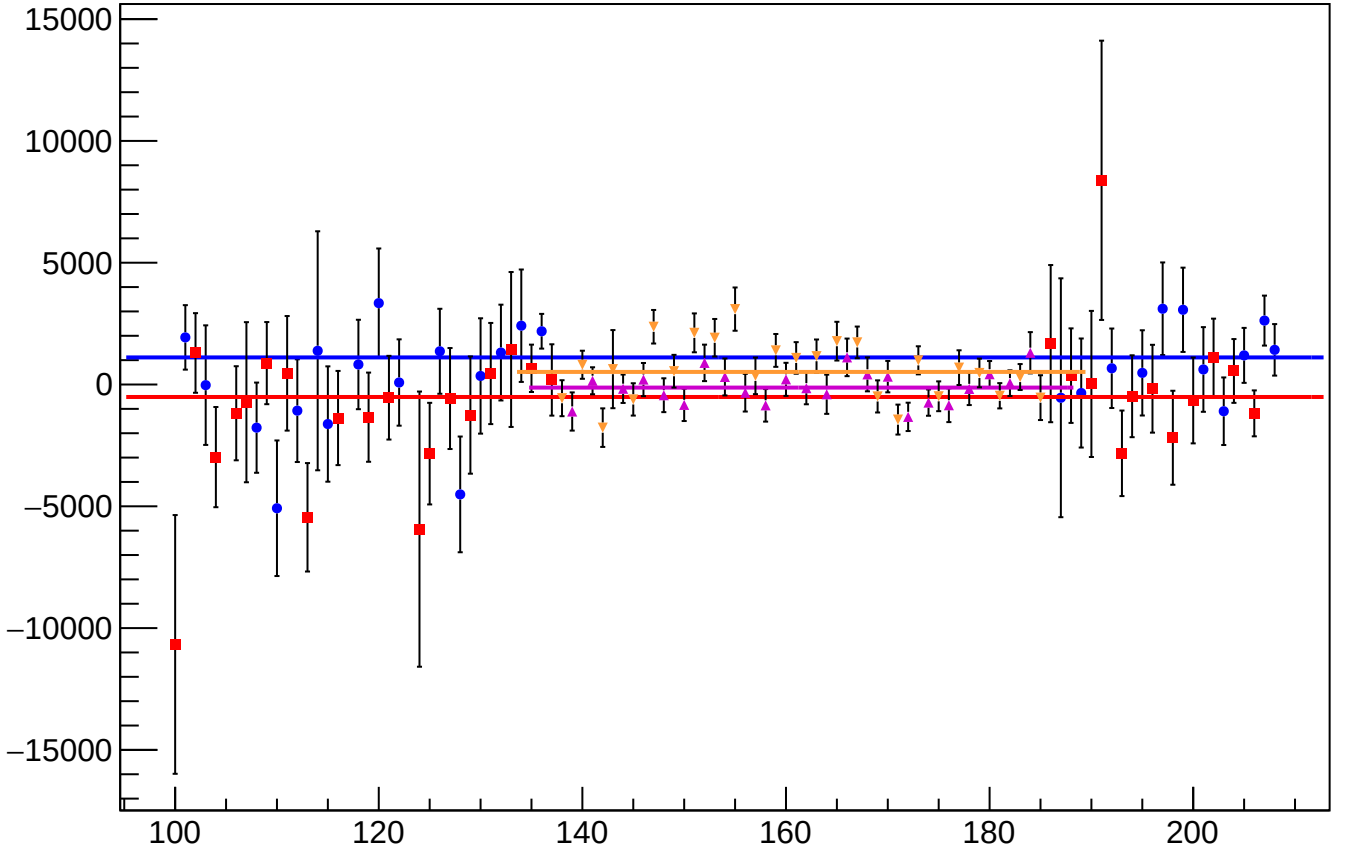
Right: 1263.846+/-0.160 χ^2/NDF: 1021494.3/57

In: 1244.659+/-0.151 χ^2/NDF:579567.6/49

Out: 1254.652+/-0.150 χ^2/NDF:697470.8/55

All: 1249.705+/-0.106 χ^2/NDF: 1279243.8/10

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

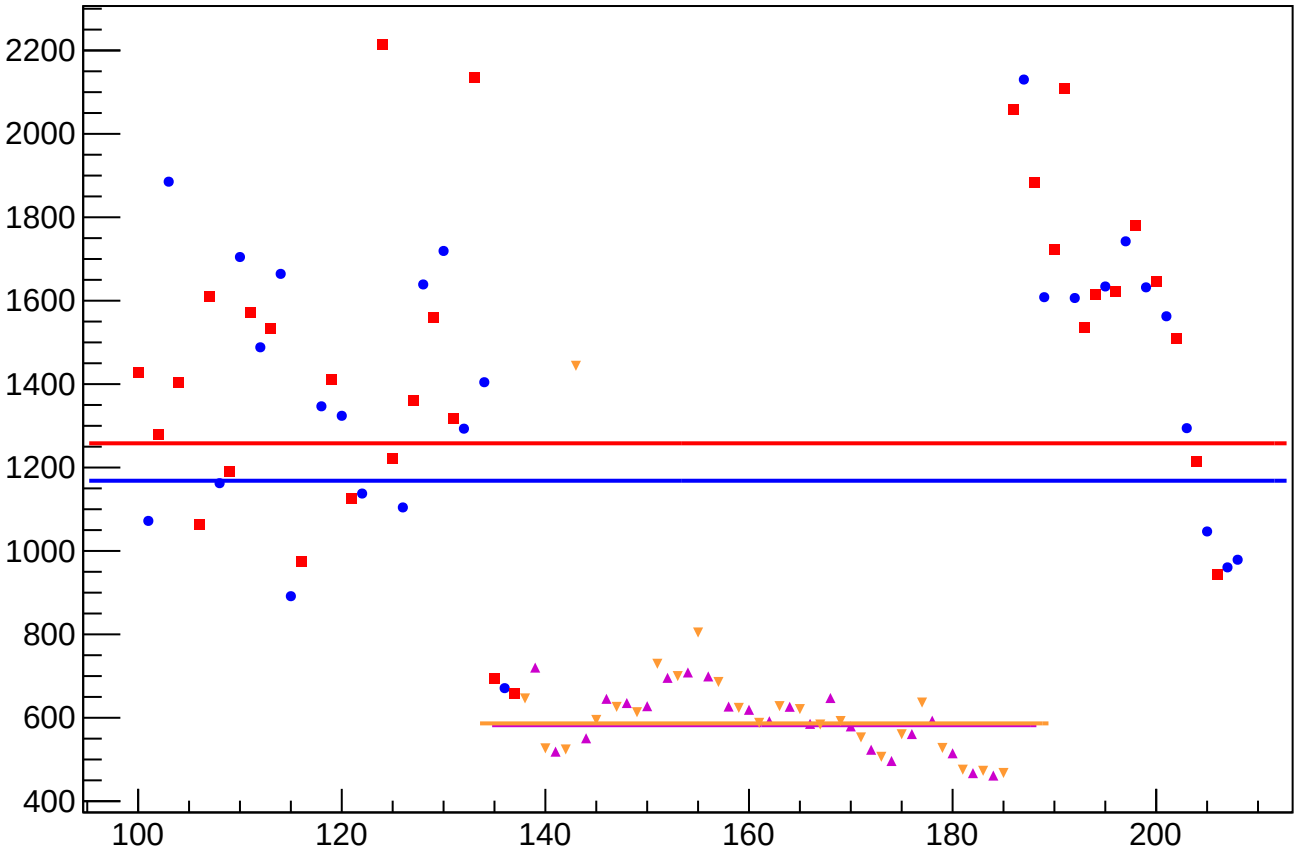
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 348.995+/-224.177 χ^2/NDF: 66.2/57

In: 78.833+/-125.370 χ^2/NDF:63.1/49

Out: 365.580+/-125.376 χ^2/NDF:100.5/55

All: 222.199+/-88.652 χ^2/NDF: 166.2/105



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

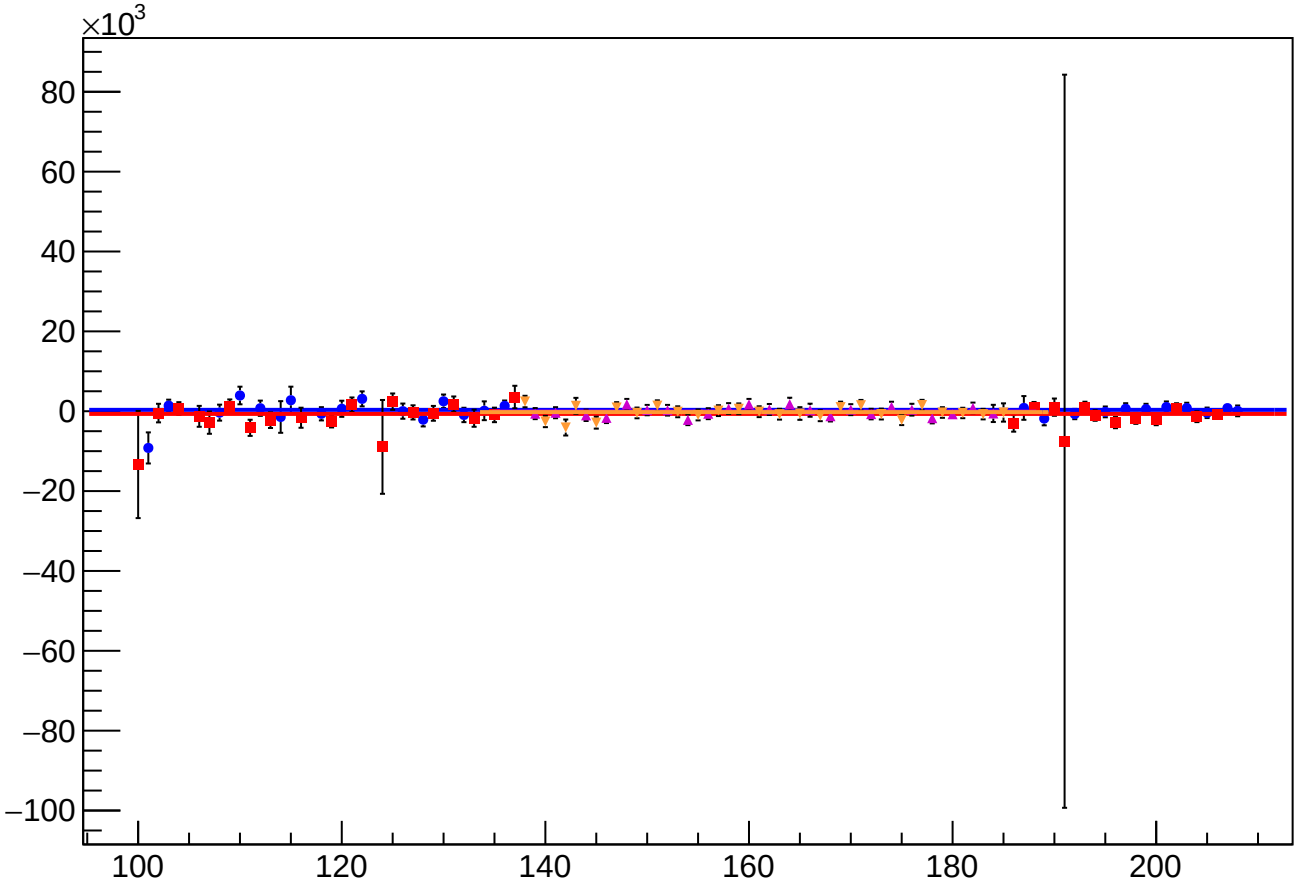
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1210.498+/-0.159 χ^2/NDF: 5315996.0/57

In: 679.387+/-0.089 χ^2/NDF:9231712.8/49

Out: 685.235+/-0.089 χ^2/NDF:11005995.2/55

All: 682.311+/-0.063 χ^2/NDF: 20239883.4/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

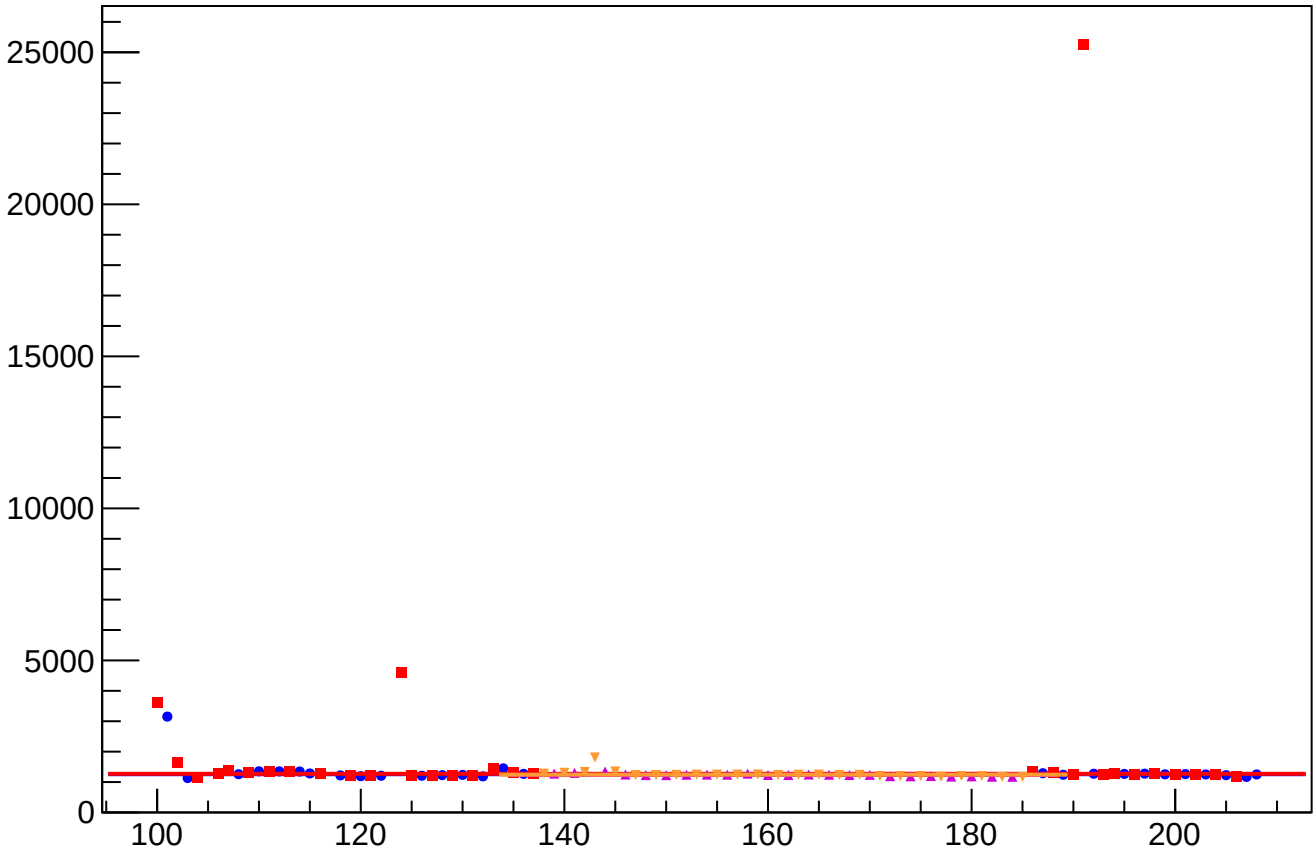
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -163.536+/-225.665 χ^2/NDF: 53.1/57

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -160.336+/-150.489 χ^2/NDF: 91.8/105



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

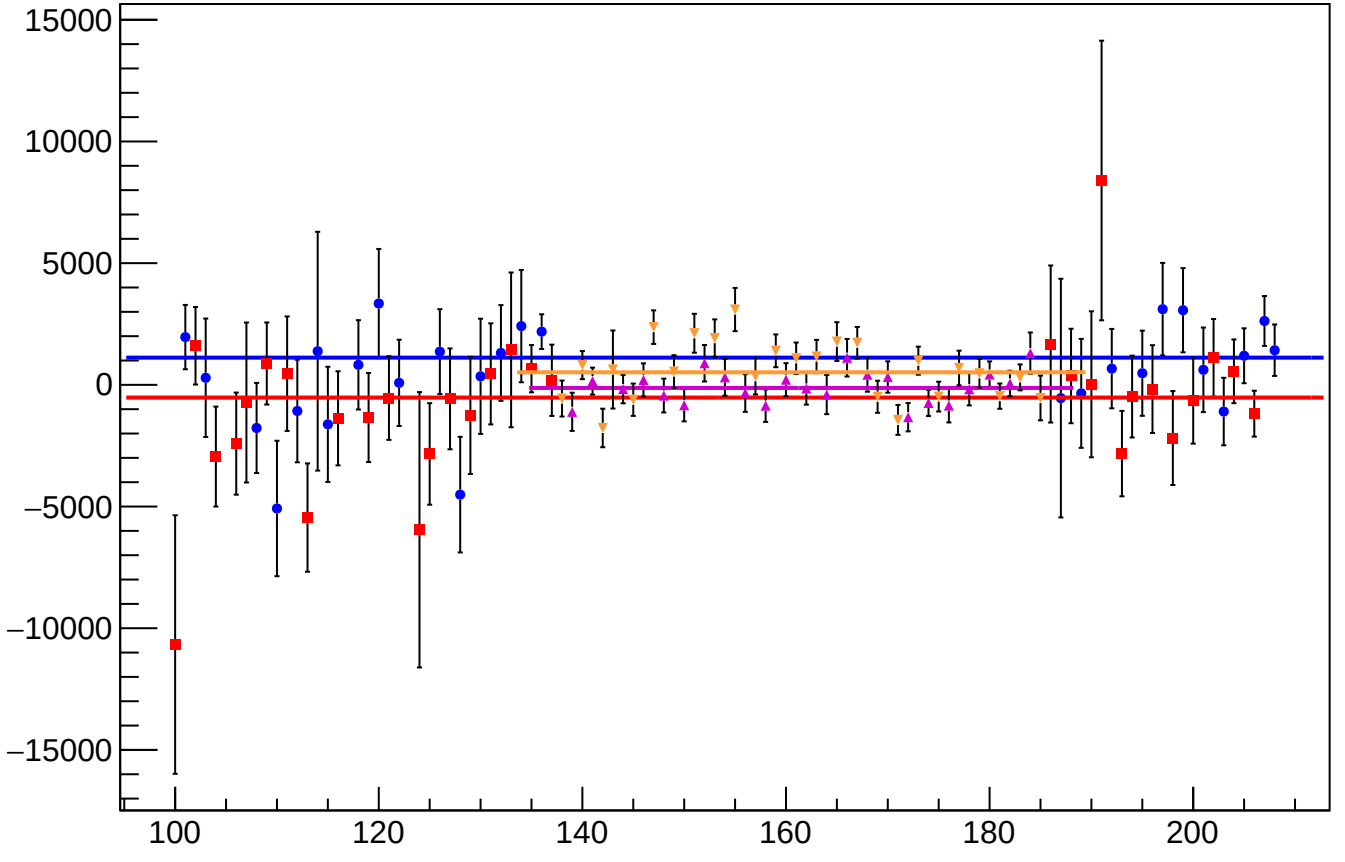
Right: 1264.336+/-0.160 χ^2/NDF: 1028909.8/57

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

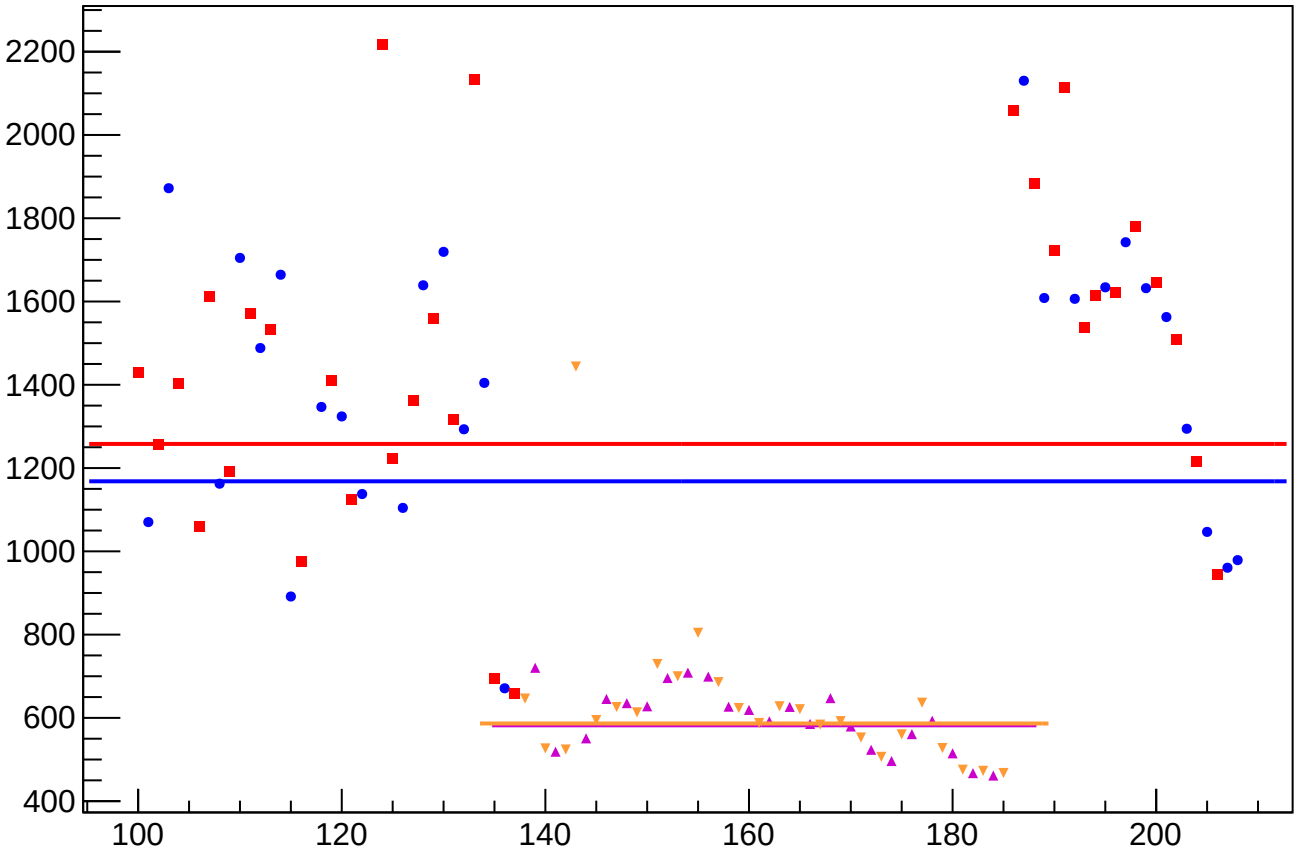
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 348.981+/-224.264 χ^2/NDF: 67.6/57

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 222.195+/-88.658 χ^2/NDF: 167.6/105



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

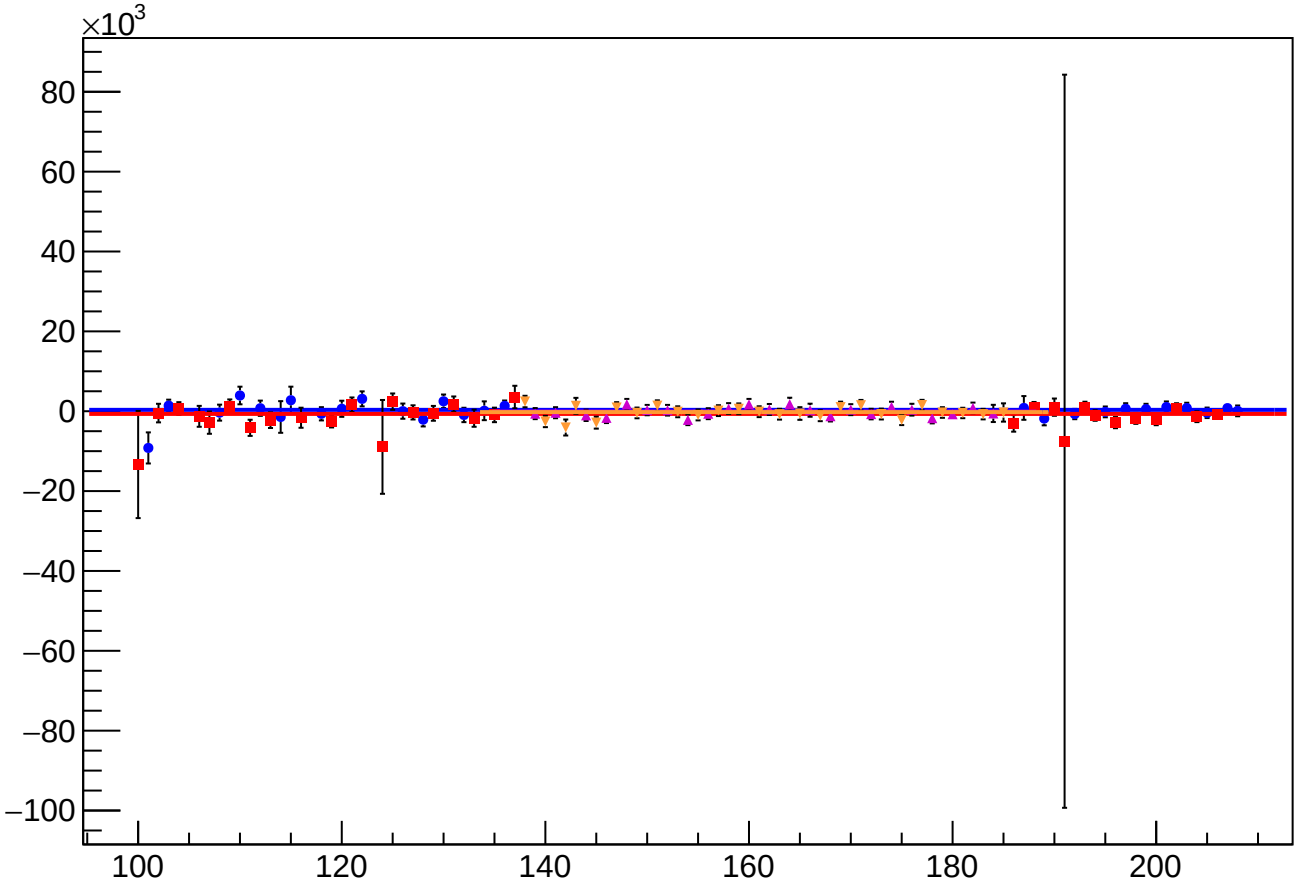
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1210.303+/-0.159 χ^2/NDF: 5310366.1/57

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

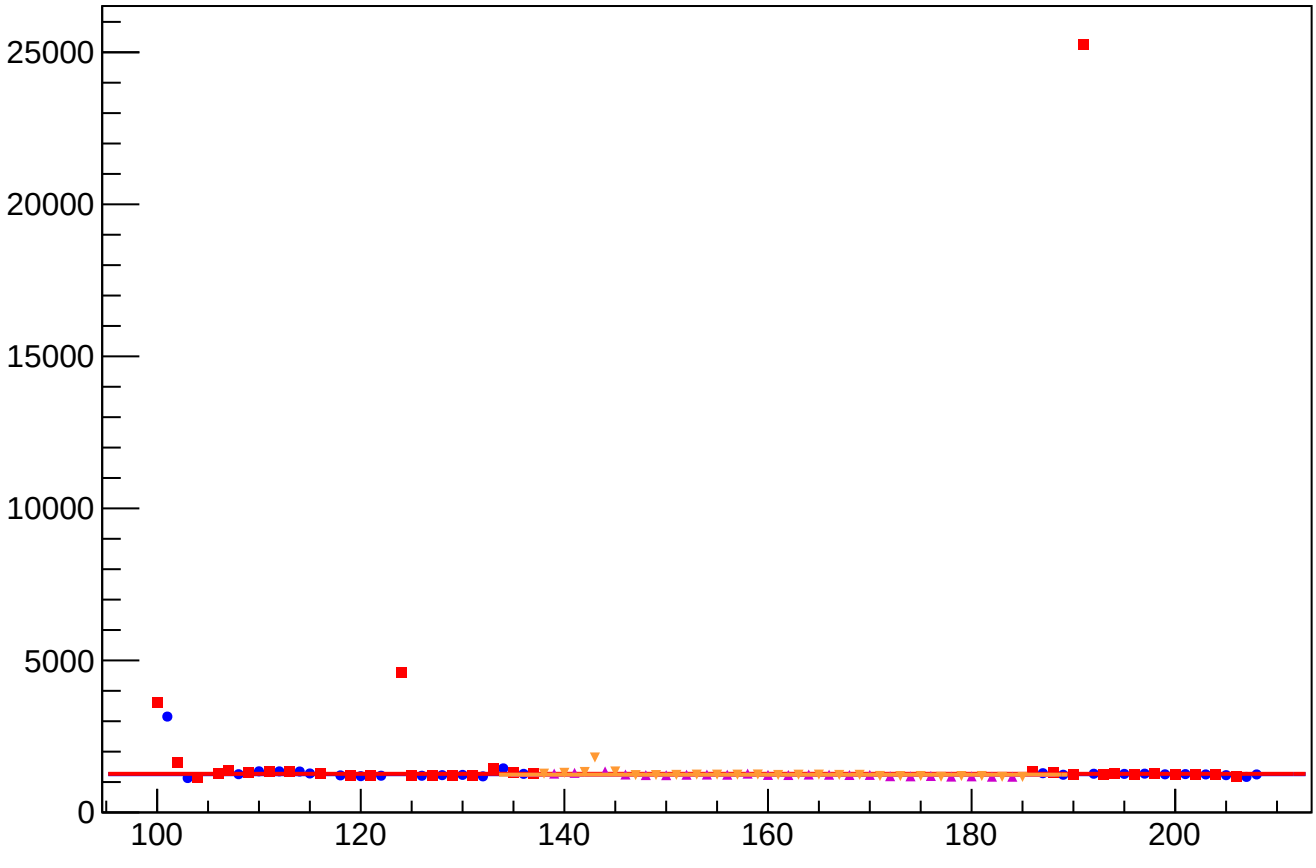
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -163.536+/-225.665 χ^2/NDF: 53.1/57

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -160.336+/-150.489 χ^2/NDF: 91.8/105



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

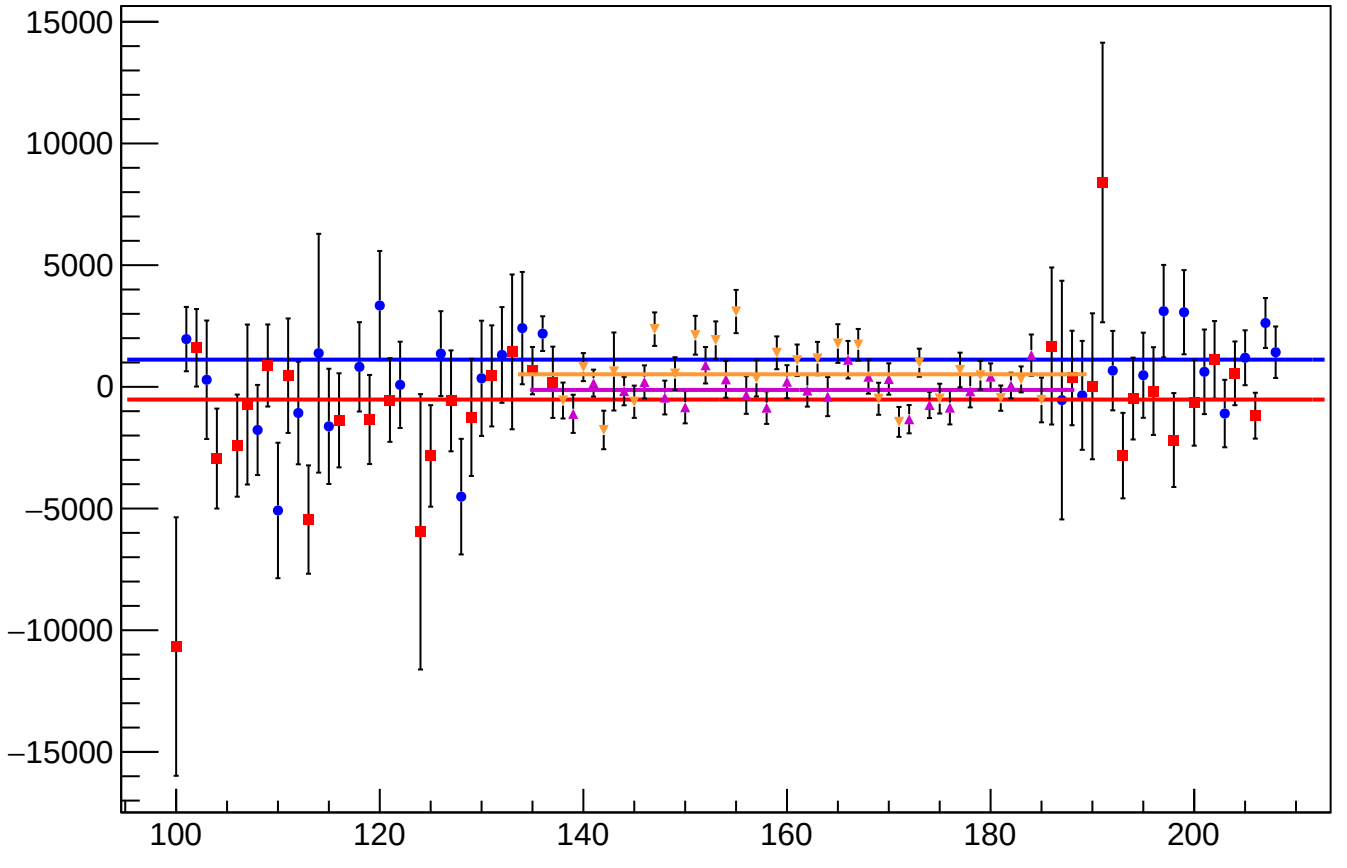
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1264.336+/-0.160 χ^2/NDF: 1028909.8/57

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

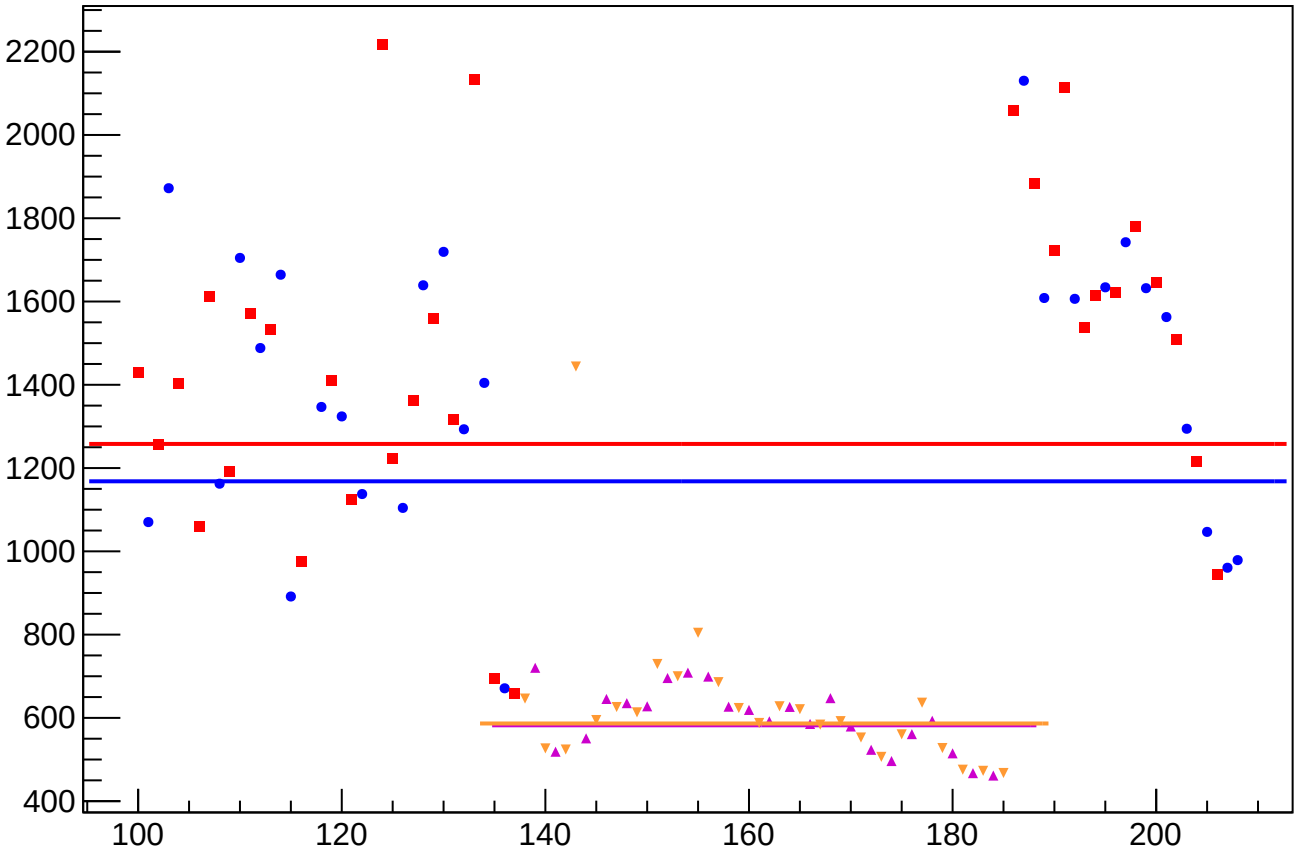
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 348.981+/-224.264 χ^2/NDF: 67.6/57

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 222.195+/-88.658 χ^2/NDF: 167.6/105



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

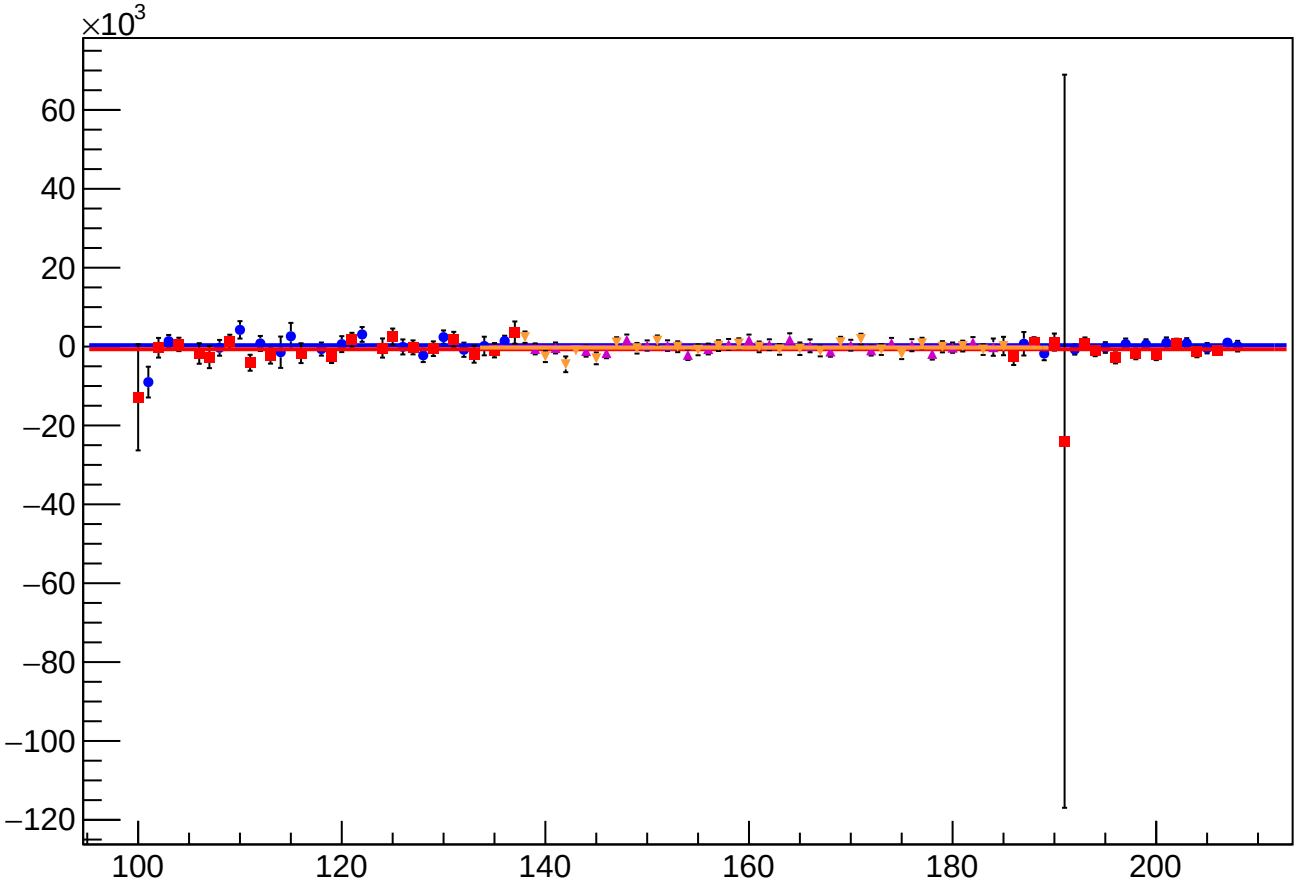
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1210.303+/-0.159 χ^2/NDF: 5310366.1/57

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.726+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

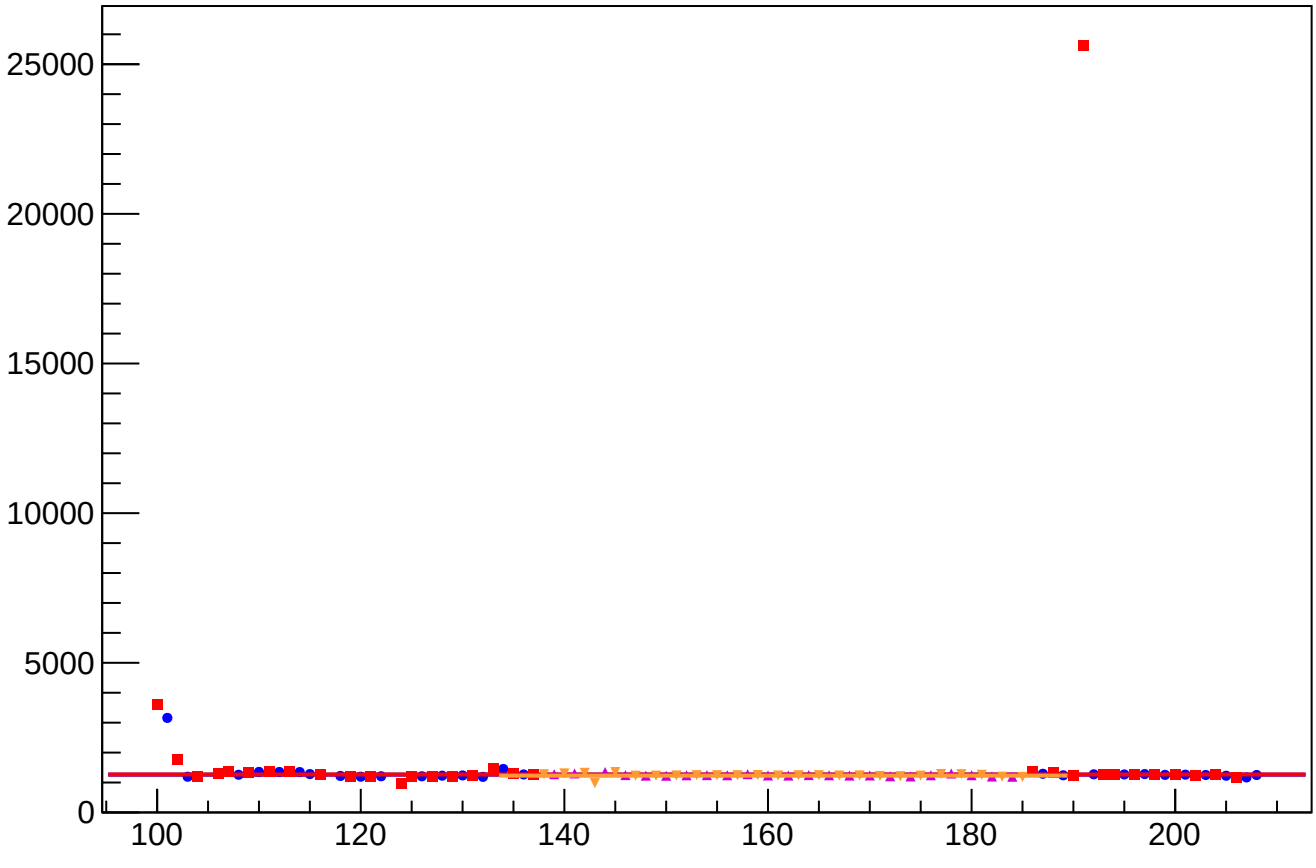
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -164.757+/-225.746 χ^2/NDF: 52.8/57

In: 117.022+/-215.501 χ^2/NDF:35.8/49

Out: -434.746+/-210.240 χ^2/NDF:51.9/55

All: -165.679+/-150.488 χ^2/NDF: 91.0/105



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

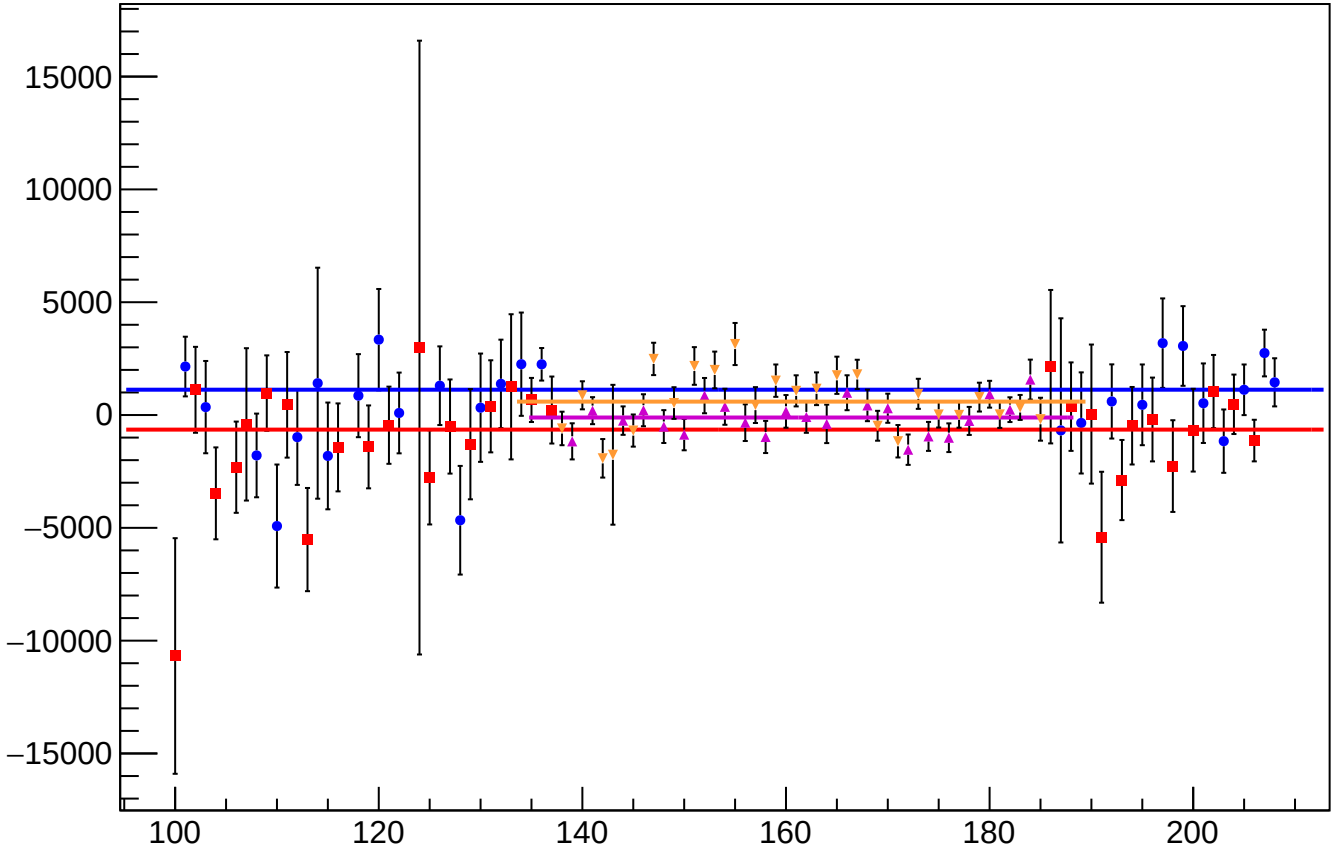
Right: 1265.788+/-0.160 χ^2/NDF: 908995.2/57

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1246.970+/-0.149 χ^2/NDF:543121.8/55

All: 1250.641+/-0.106 χ^2/NDF: 1098028.4/10

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.367+/-330.082 χ^2/NDF: 25.2/30

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

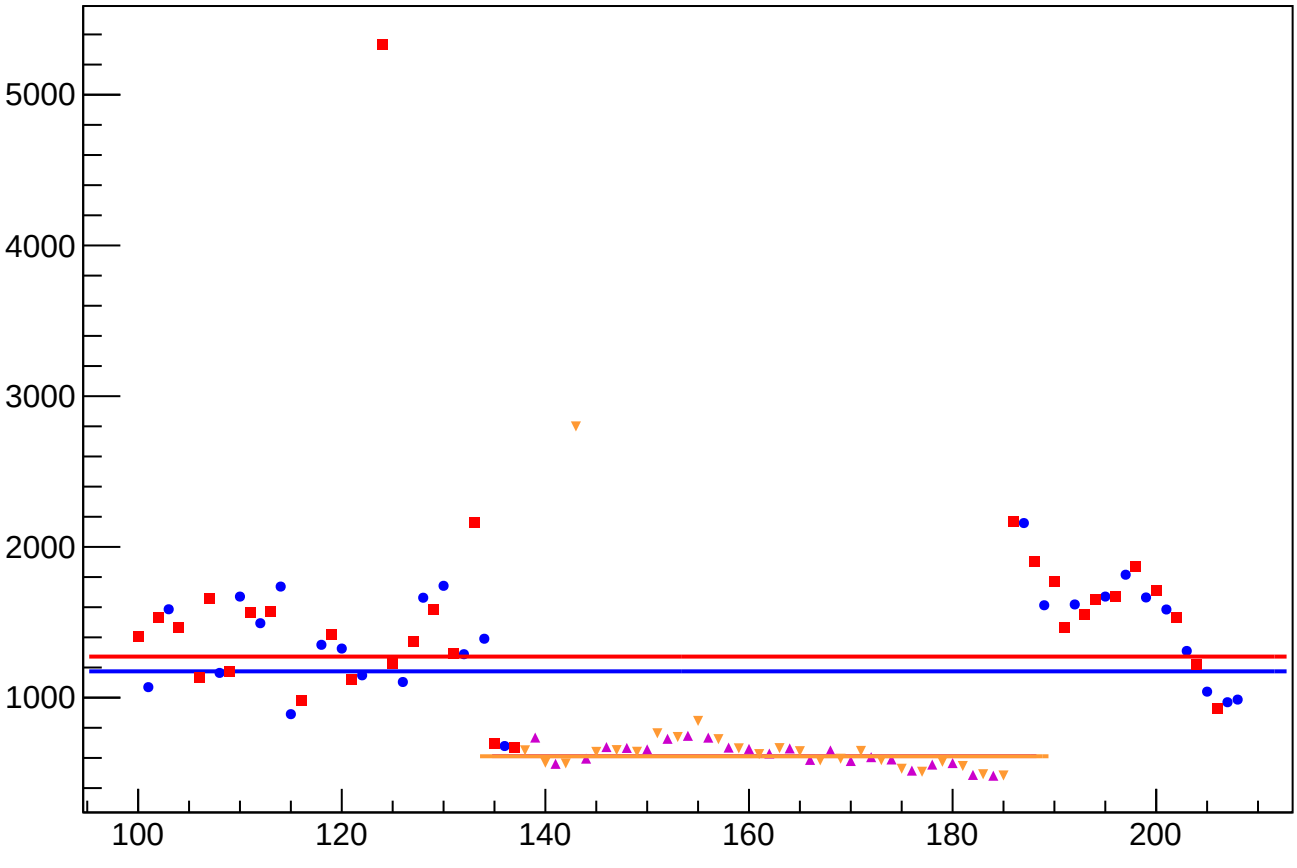
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 295.998+/-225.631 χ^2/NDF: 69.5/57

In: 110.138+/-130.705 χ^2/NDF:67.8/49

Out: 400.839+/-130.543 χ^2/NDF:94.5/55

All: 255.669+/-92.365 χ^2/NDF: 164.7/105



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

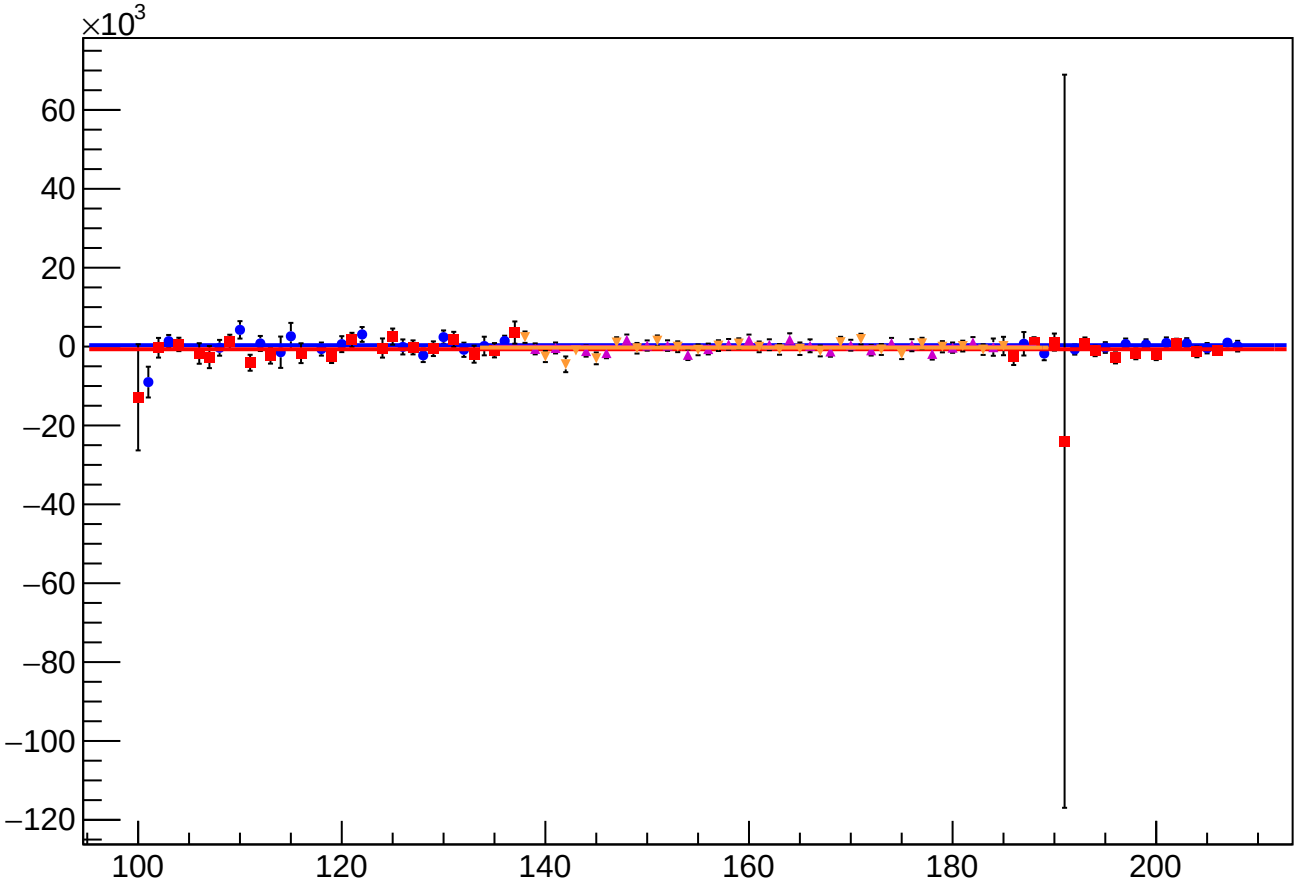
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1220.266+/-0.160 χ^2/NDF: 5559683.7/57

In: 712.892+/-0.092 χ^2/NDF:8505206.1/49

Out: 714.527+/-0.092 χ^2/NDF:11292361.1/55

All: 713.711+/-0.065 χ^2/NDF: 19797724.0/10



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.725+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

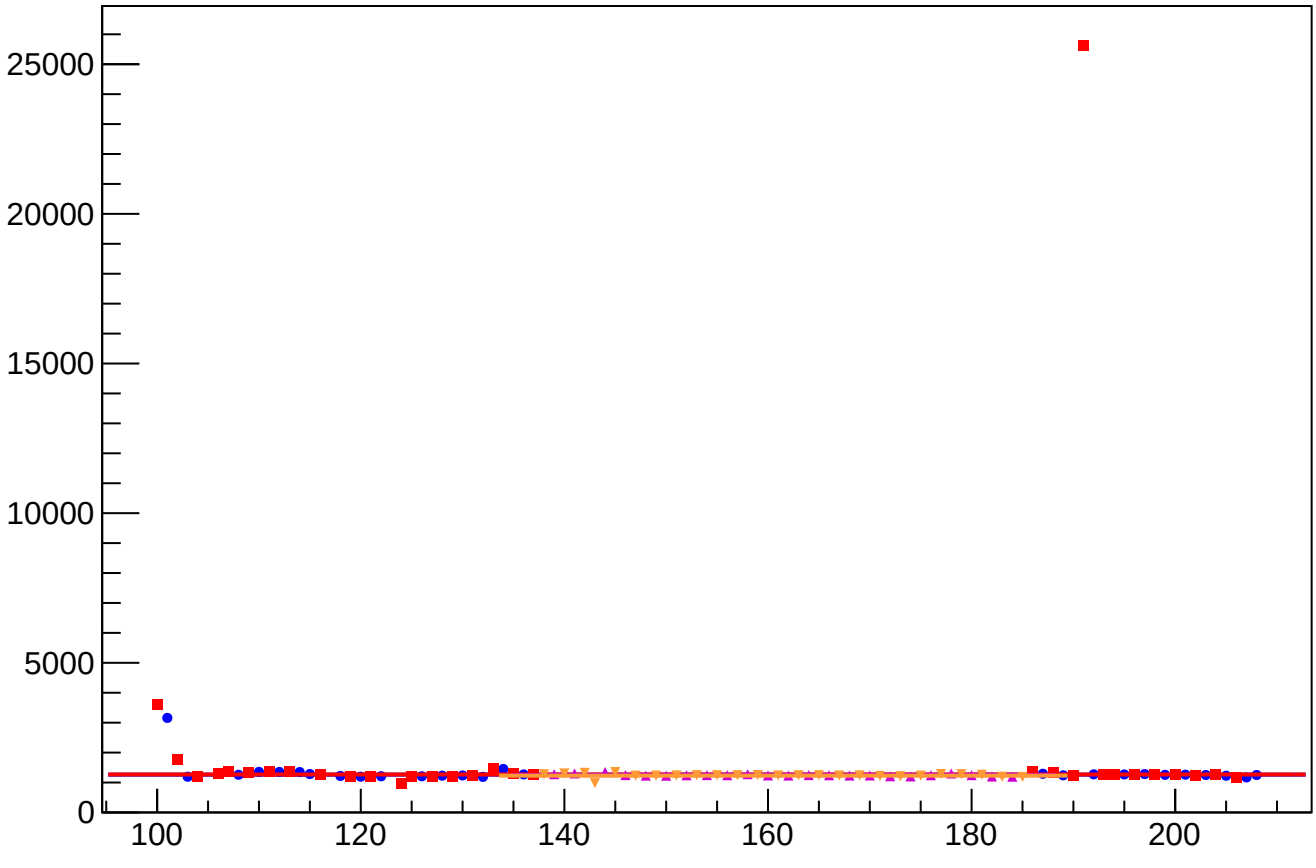
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -164.758+/-225.746 χ^2/NDF: 52.8/57

In: 117.021+/-215.501 χ^2/NDF:35.8/49

Out: -434.747+/-210.240 χ^2/NDF:51.9/55

All: -165.680+/-150.488 χ^2/NDF: 91.0/105



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

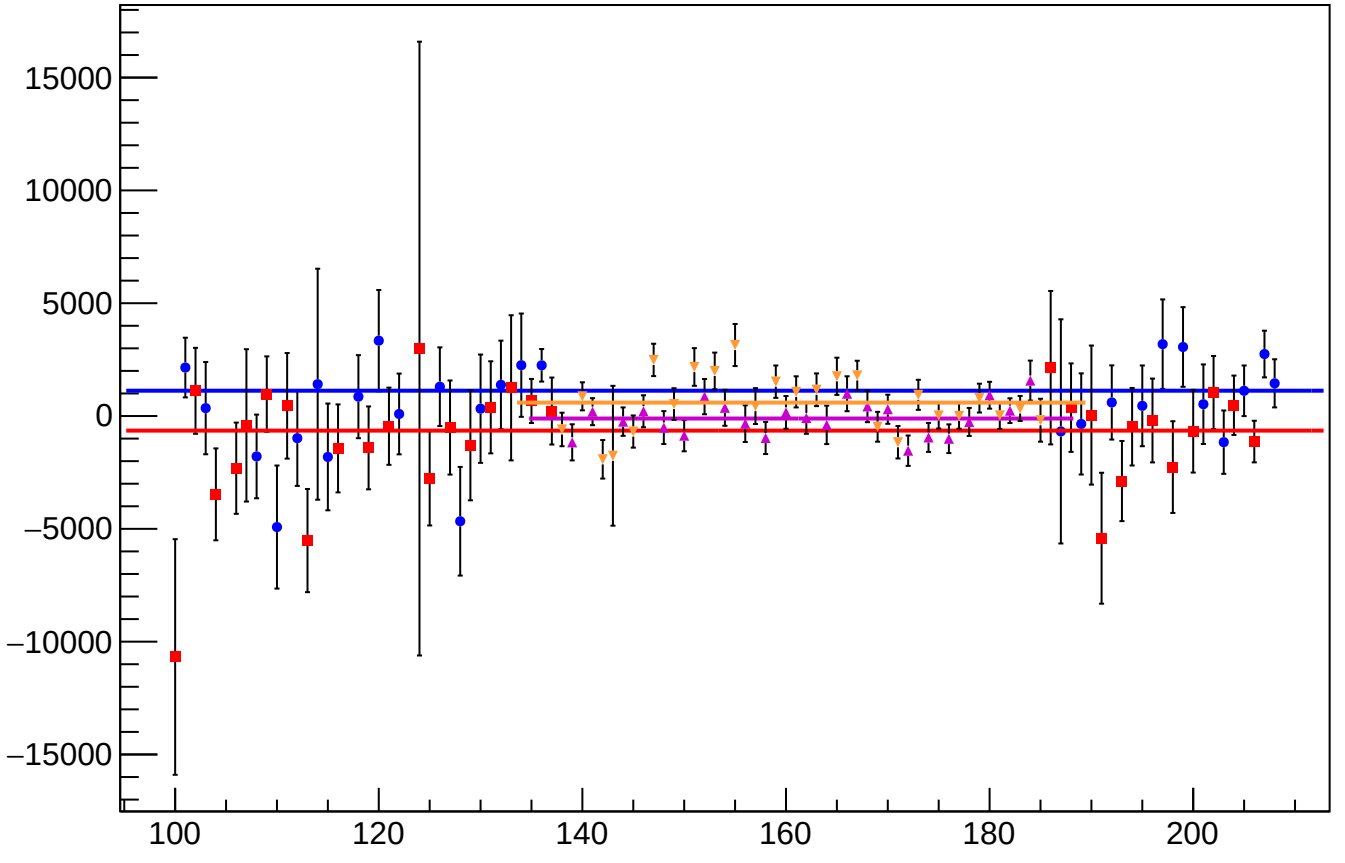
Right: 1265.787+/-0.160 χ^2/NDF: 908995.1/57

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1246.970+/-0.149 χ^2/NDF:543120.7/55

All: 1250.641+/-0.106 χ^2/NDF: 1098027.3/10

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1122.507+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

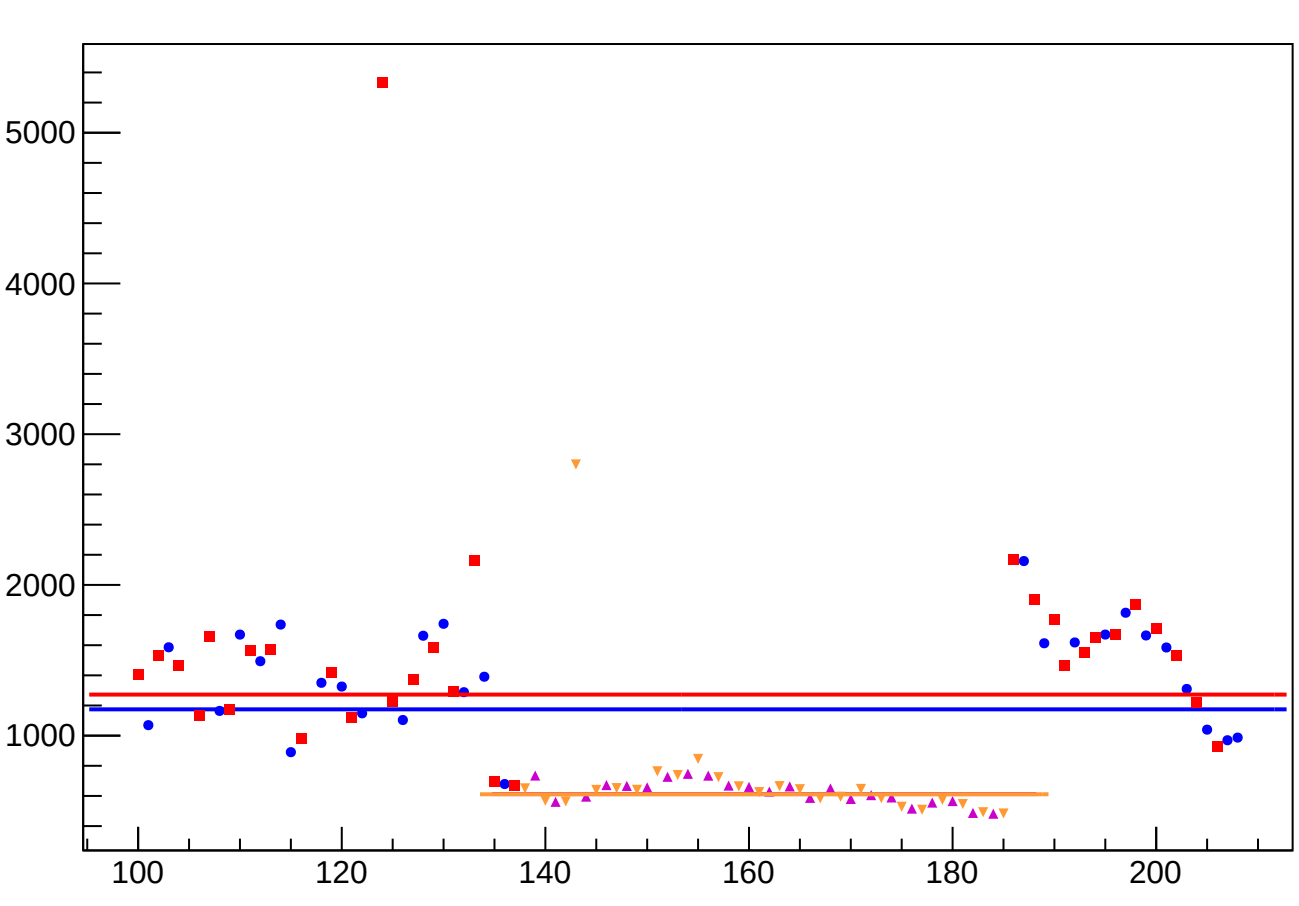
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 295.994+/-225.631 χ^2/NDF: 69.5/57

In: 110.137+/-130.705 χ^2/NDF:67.8/49

Out: 400.838+/-130.543 χ^2/NDF:94.5/55

All: 255.668+/-92.365 χ^2/NDF: 164.7/105



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

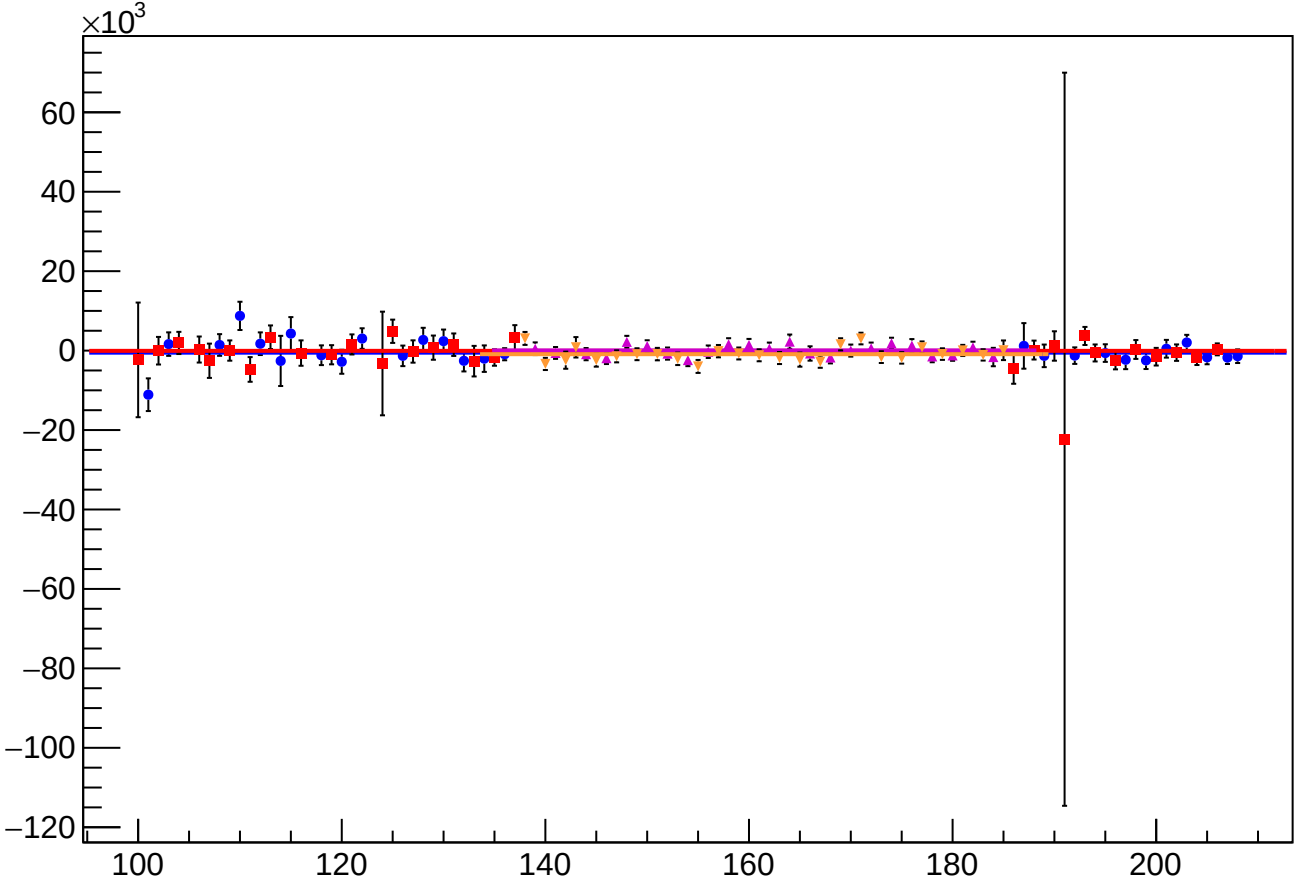
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1220.268+/-0.160 χ^2/NDF: 5559577.1/57

In: 712.891+/-0.092 χ^2/NDF:8505195.2/49

Out: 714.527+/-0.092 χ^2/NDF:11292351.9/55

All: 713.710+/-0.065 χ^2/NDF: 19797704.0/10



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -60.104+/-482.403 χ^2/NDF: 17.2/30

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

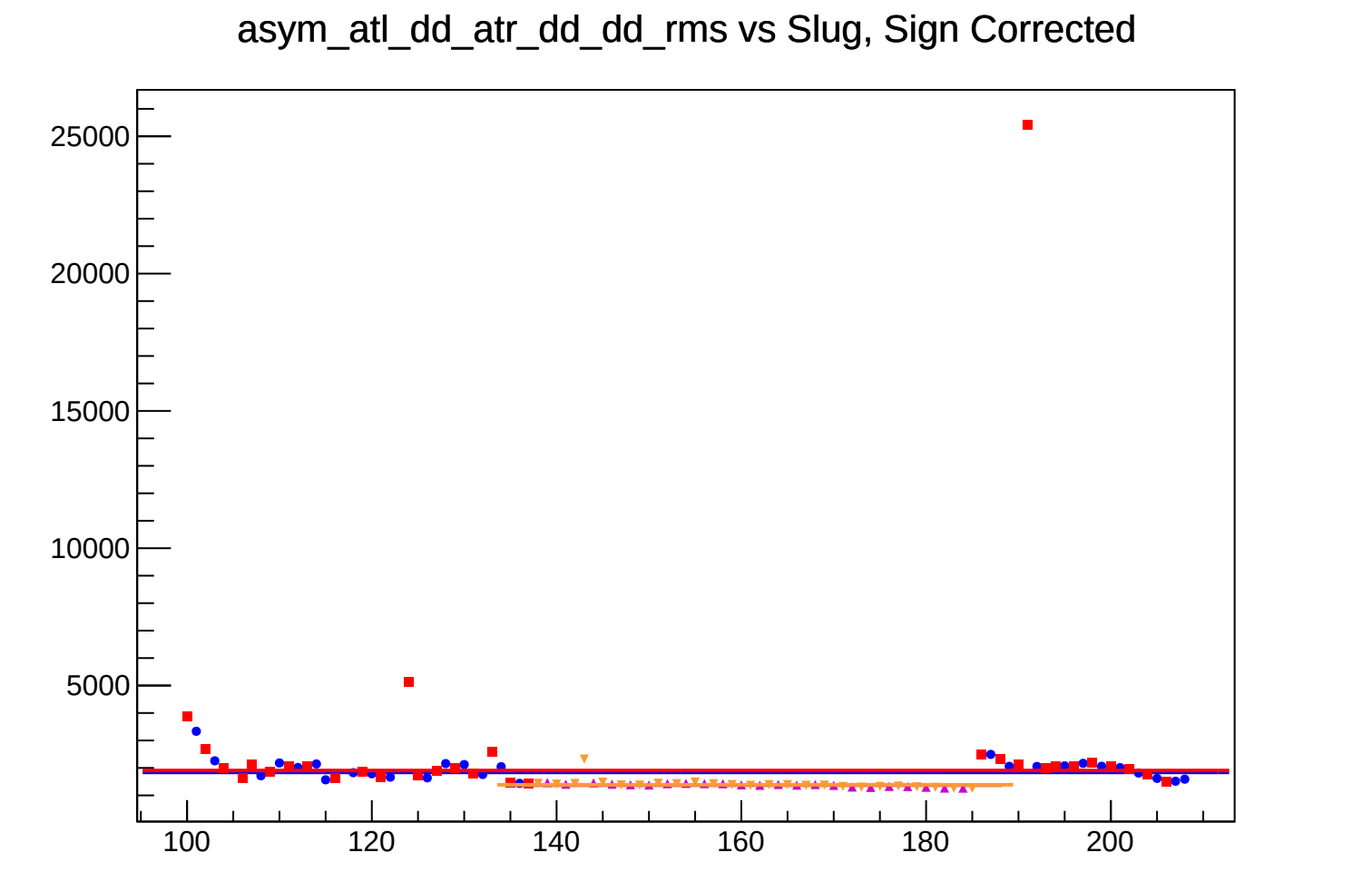
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -294.079+/-336.309 χ^2/NDF: 44.7/57

In: -131.479+/-264.874 χ^2/NDF:45.8/49

Out: -647.241+/-264.599 χ^2/NDF:49.2/55

All: -389.628+/-187.197 χ^2/NDF: 96.9/105



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

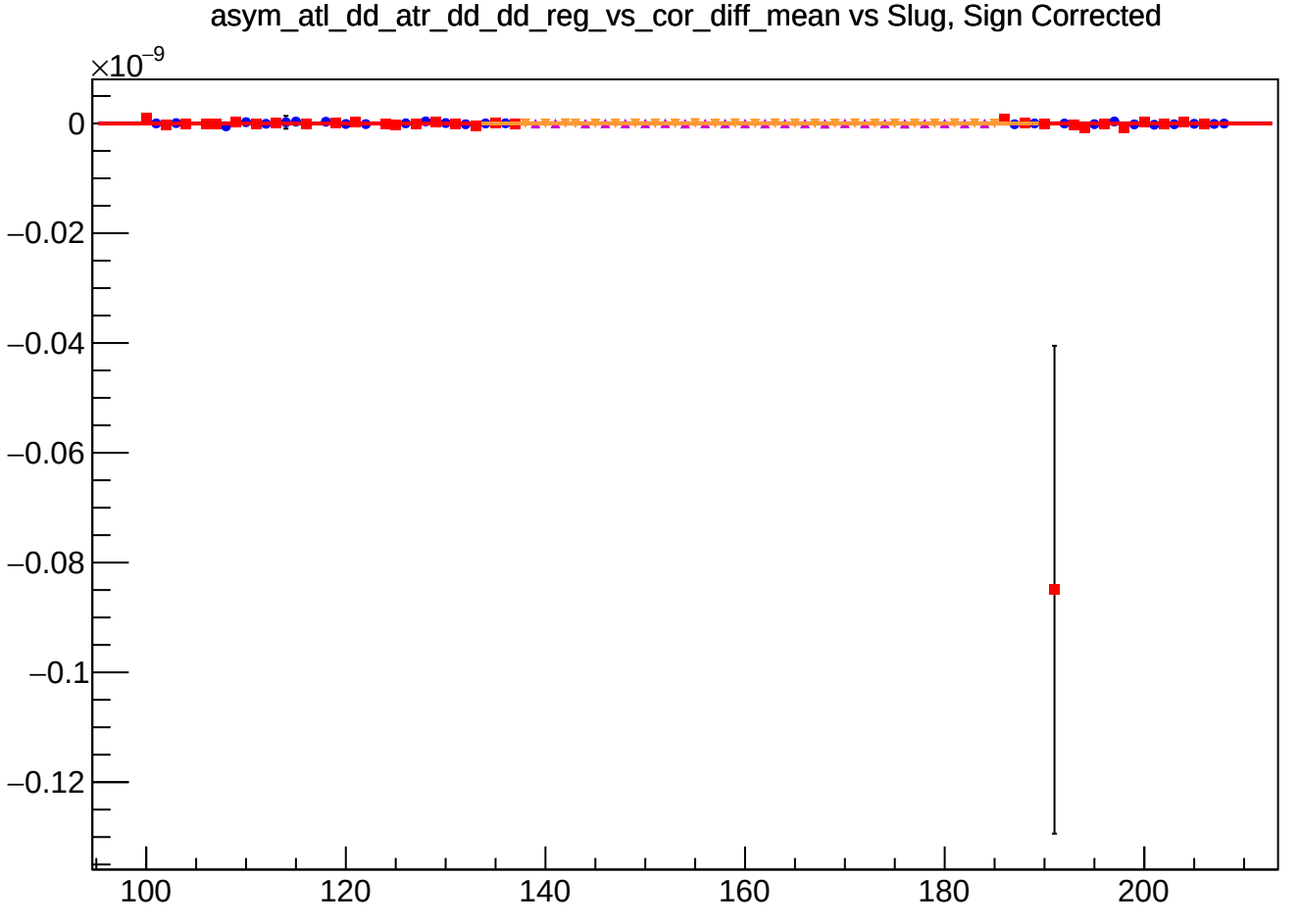
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1871.049+/-0.238 χ^2/NDF: 1874723.1/57

In: 1521.448+/-0.187 χ^2/NDF:2266010.4/49

Out: 1542.987+/-0.187 χ^2/NDF:2949487.5/55

All: 1532.229+/-0.132 χ^2/NDF: 5222117.1/10



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

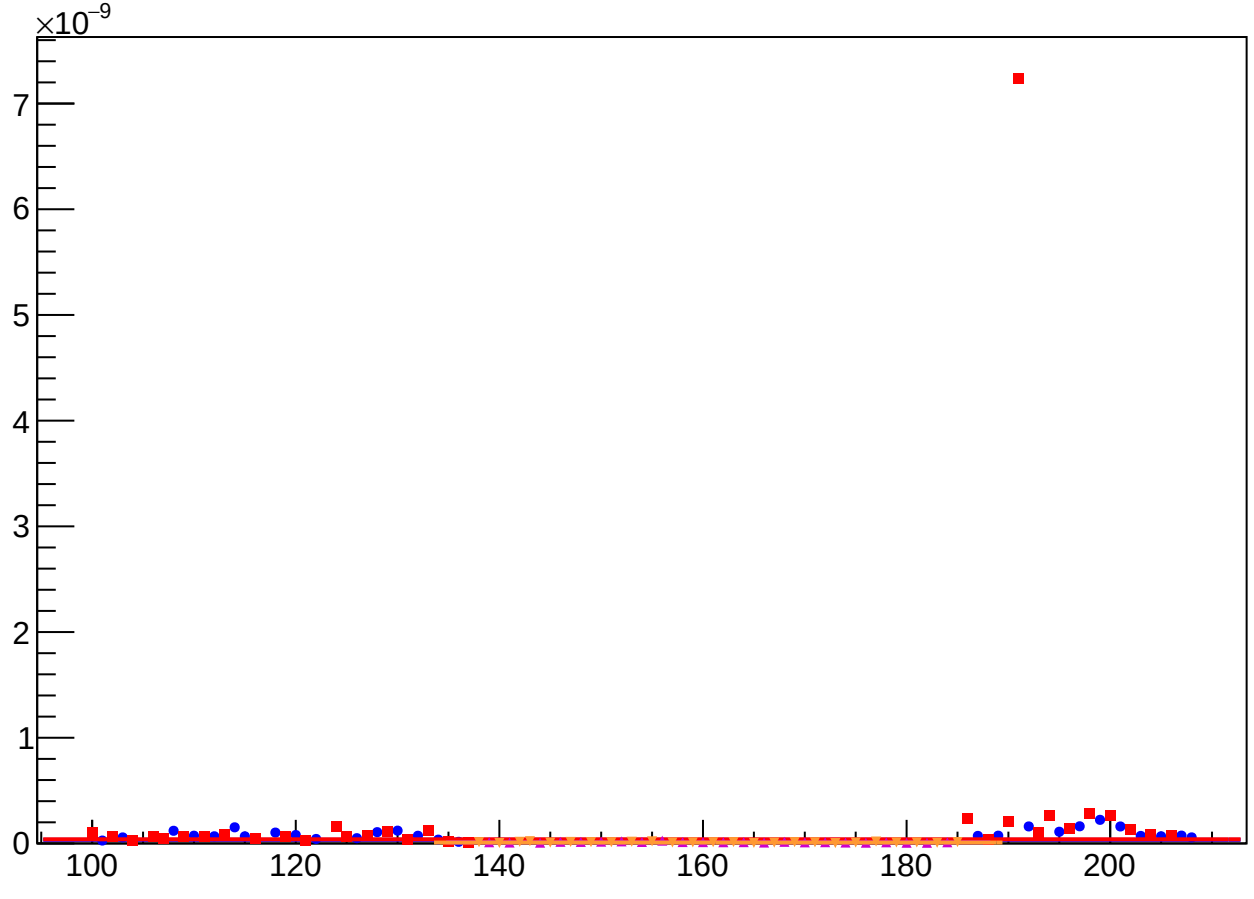
Right: -0.000+/-0.000 χ^2/NDF: 70.3/57

In: 0.000+/-0.000 χ^2/NDF:36.6/49

Out: 0.000+/-0.000 χ^2/NDF:72.3/55

All: 0.000+/-0.000 χ^2/NDF: 108.9/105

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

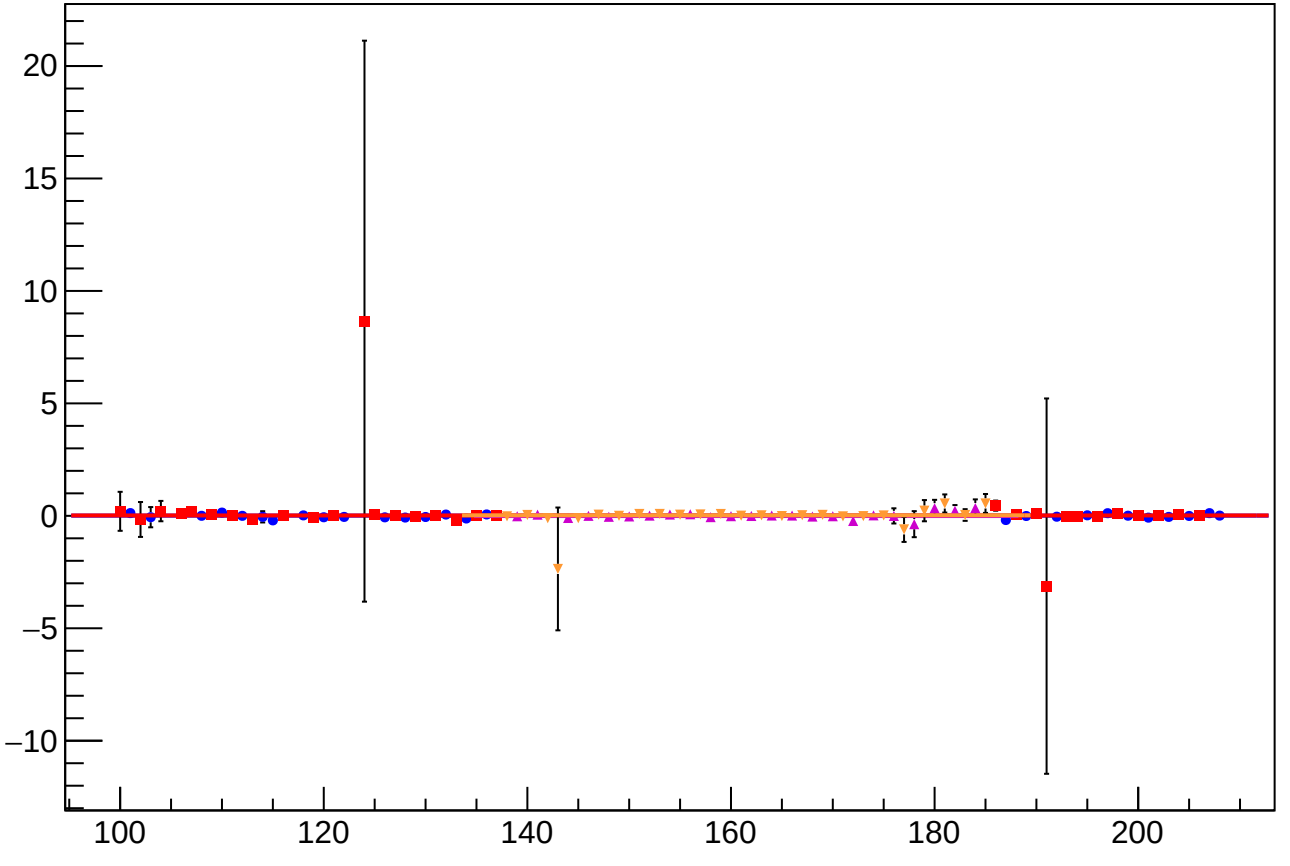
Right: 0.000+/-0.000 χ^2/NDF: 12499583.7/57

In: 0.000+/-0.000 χ^2/NDF:10682381.3/49

Out: 0.000+/-0.000 χ^2/NDF:12999438.4/55

All: 0.000+/-0.000 χ^2/NDF: 24002001.2/105

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

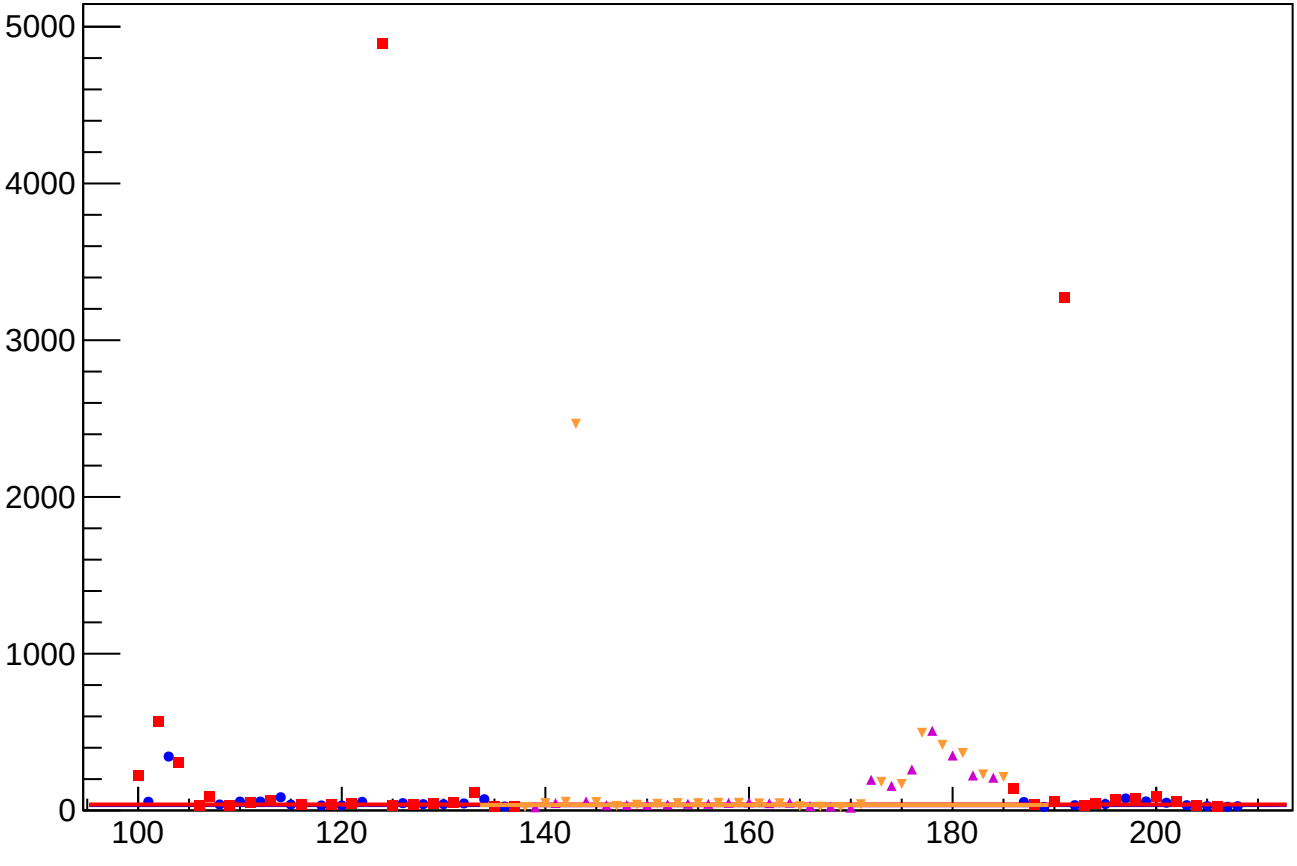
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

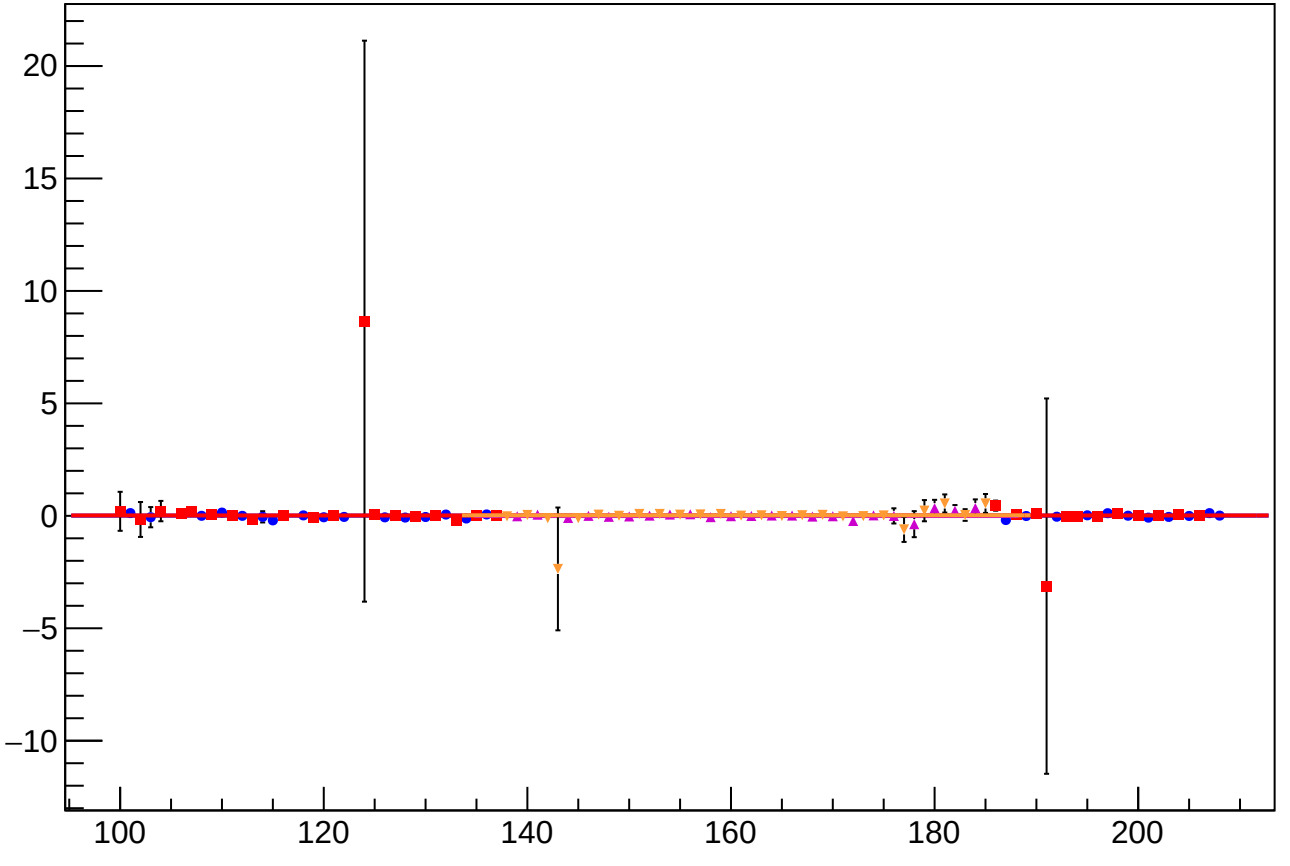
Right: 35.922+/-0.005 χ^2/NDF: 9532704.5/57

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

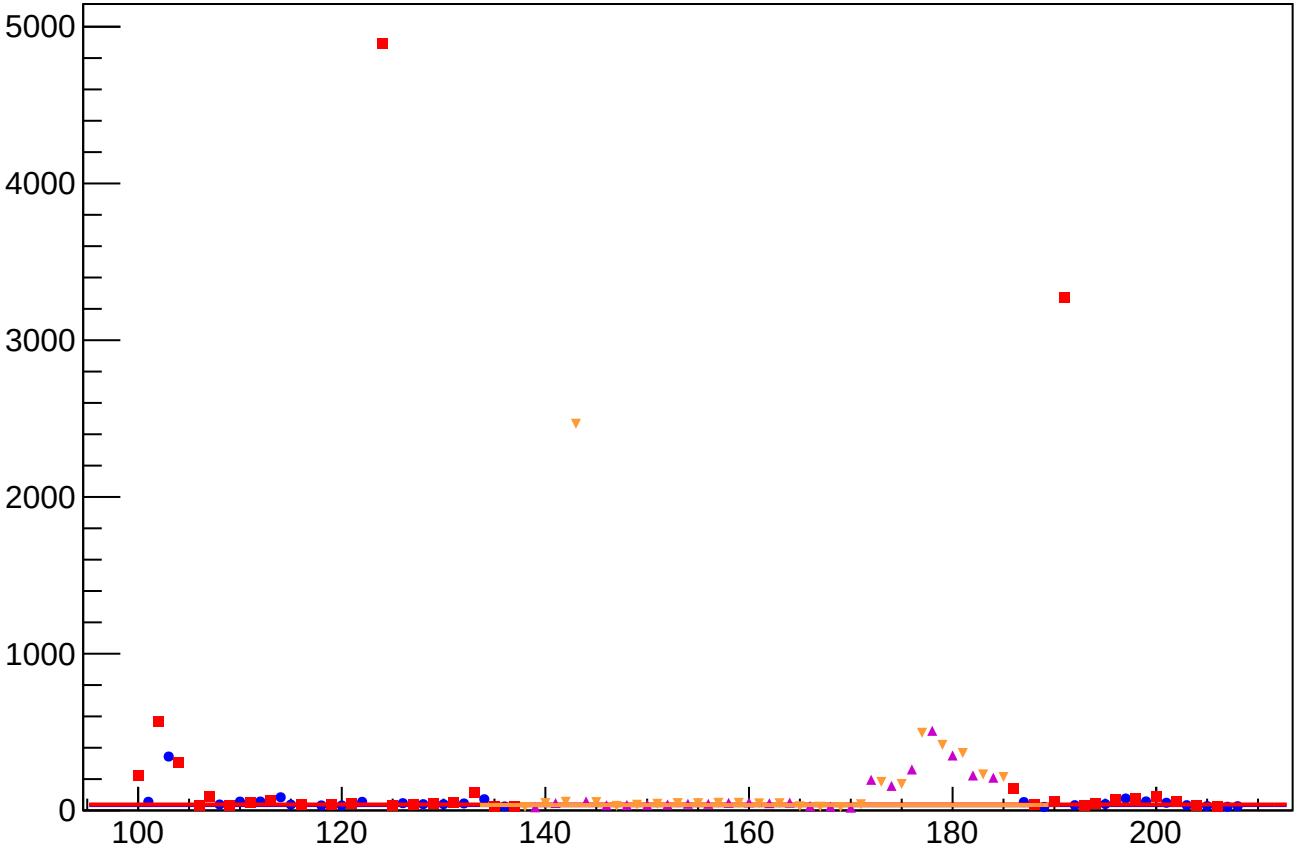
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

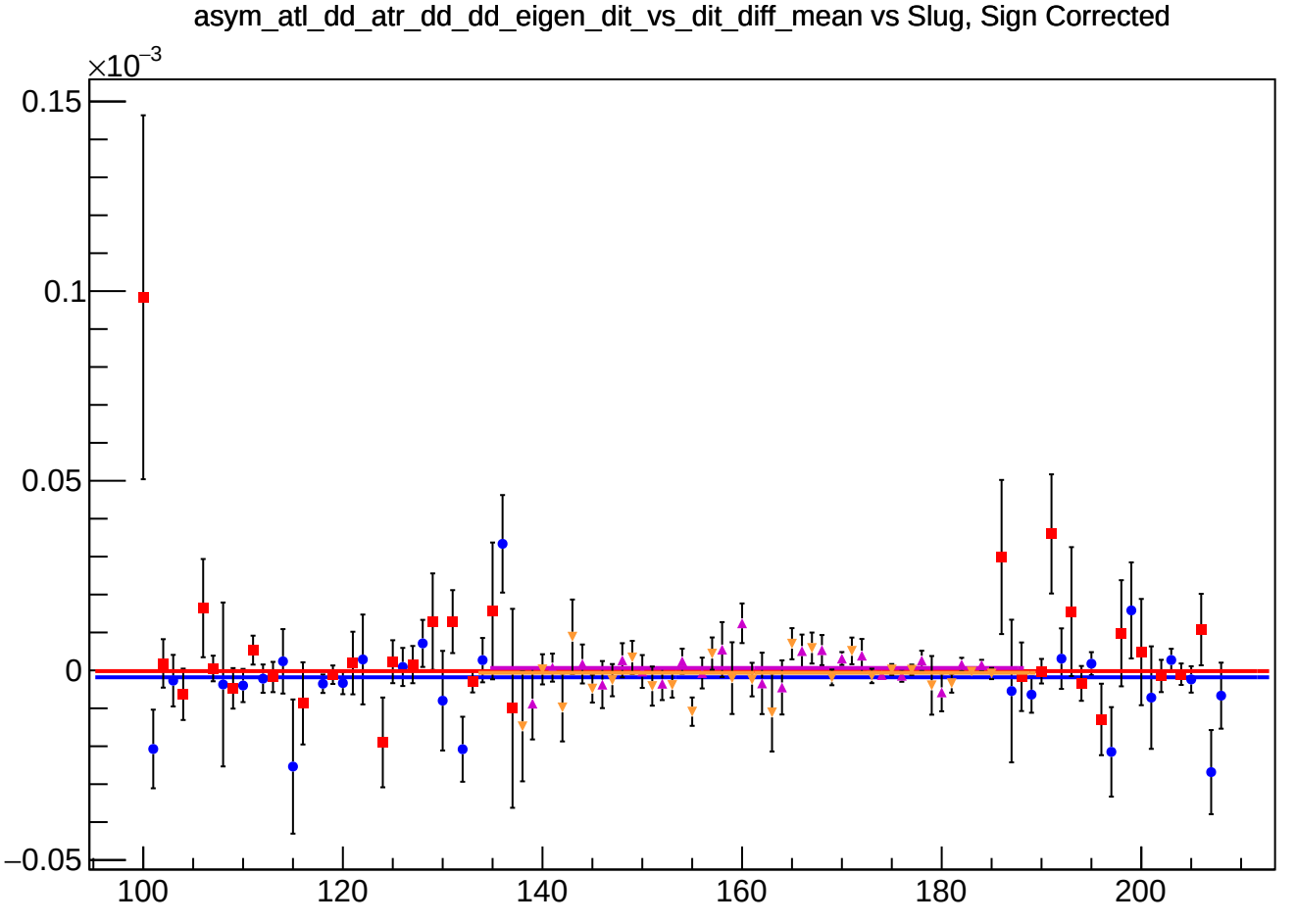
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 35.922+/-0.005 χ^2/NDF: 9532704.5/57

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

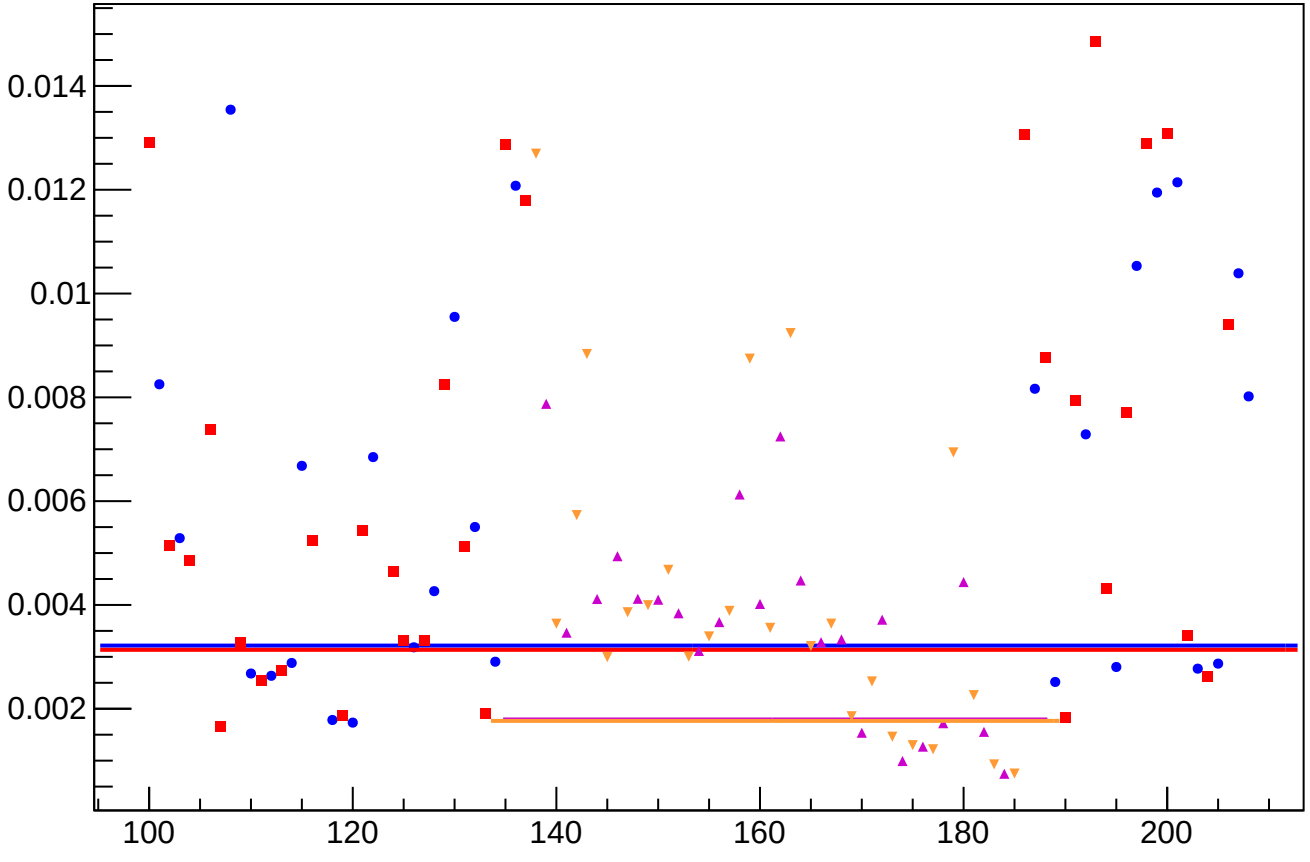
Right: -0.000+/-0.000 χ^2/NDF: 70.6/57

In: 0.000+/-0.000 χ^2/NDF:64.0/49

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 125.2/105

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

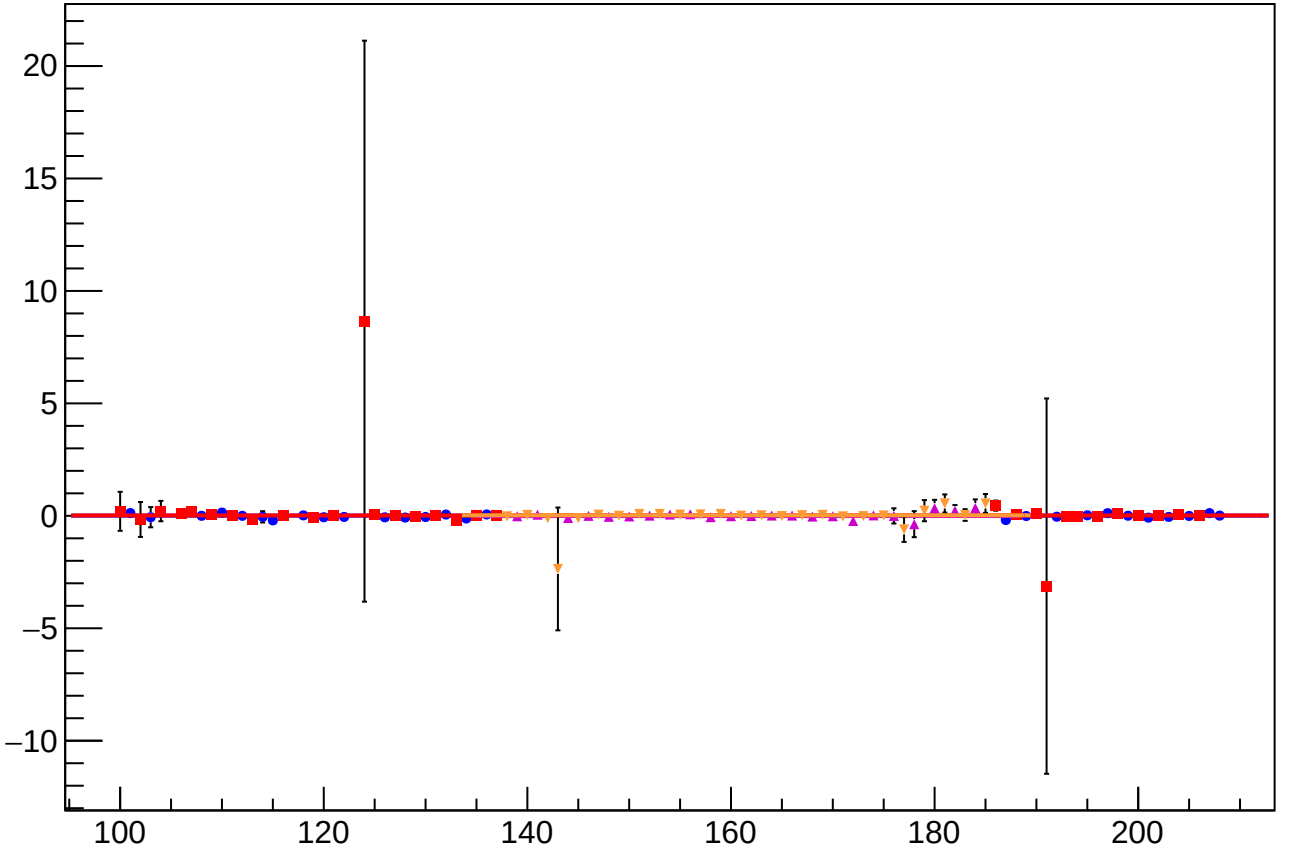
Right: 0.003+/-0.000 χ^2/NDF: 18895587.1/57

In: 0.002+/-0.000 χ^2/NDF:23006069.7/49

Out: 0.002+/-0.000 χ^2/NDF:25890982.3/55

All: 0.002+/-0.000 χ^2/NDF: 48905851.7/105

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

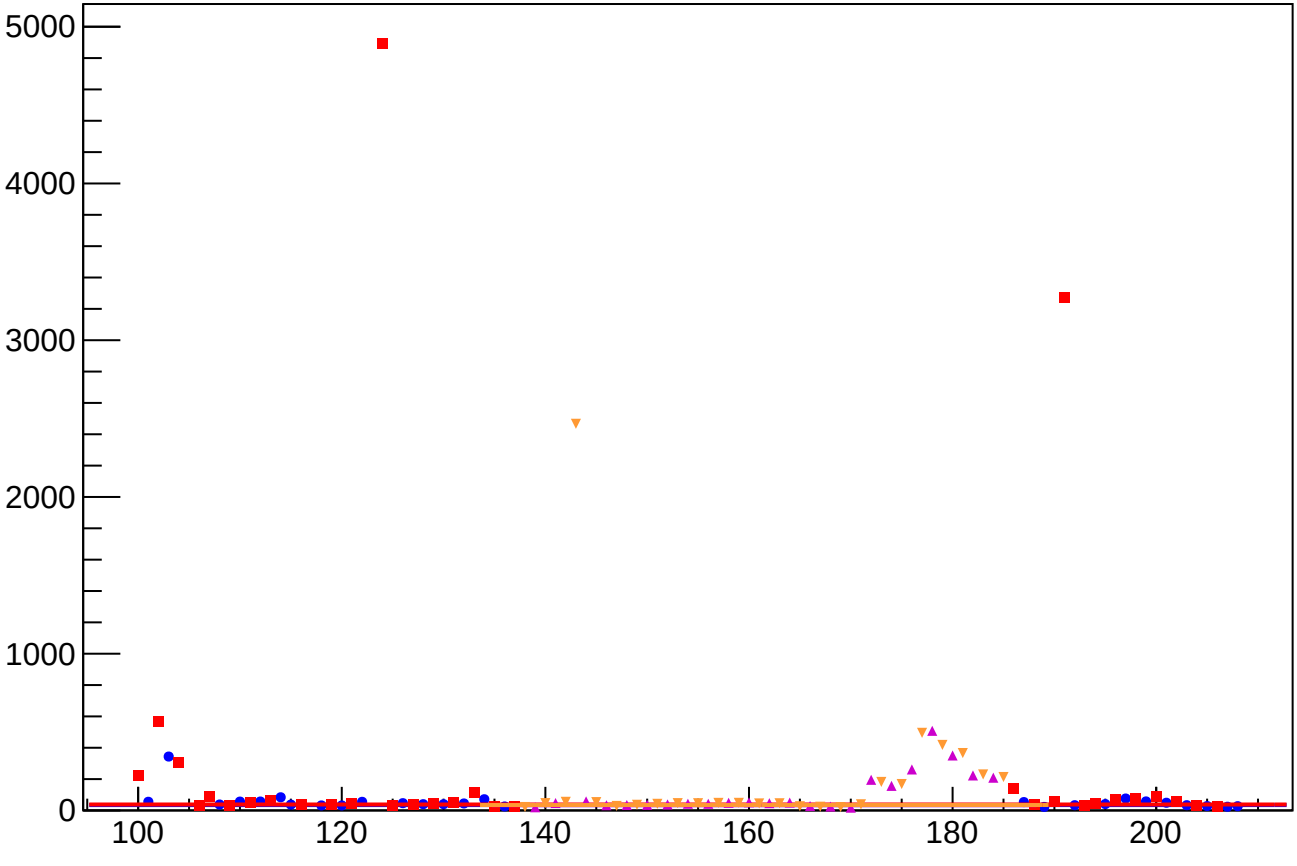
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

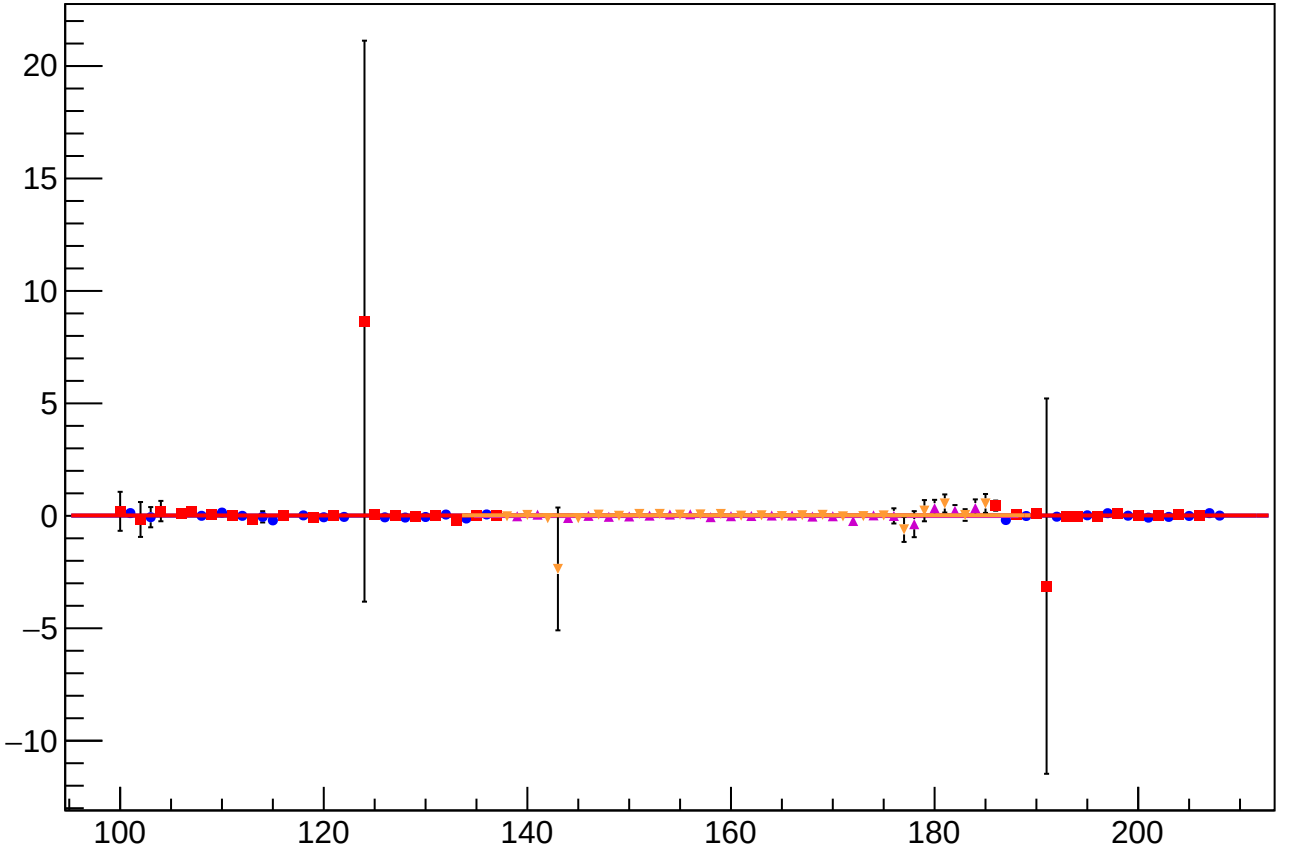
Right: 35.924+/-0.005 χ^2/NDF: 9530789.7/57

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

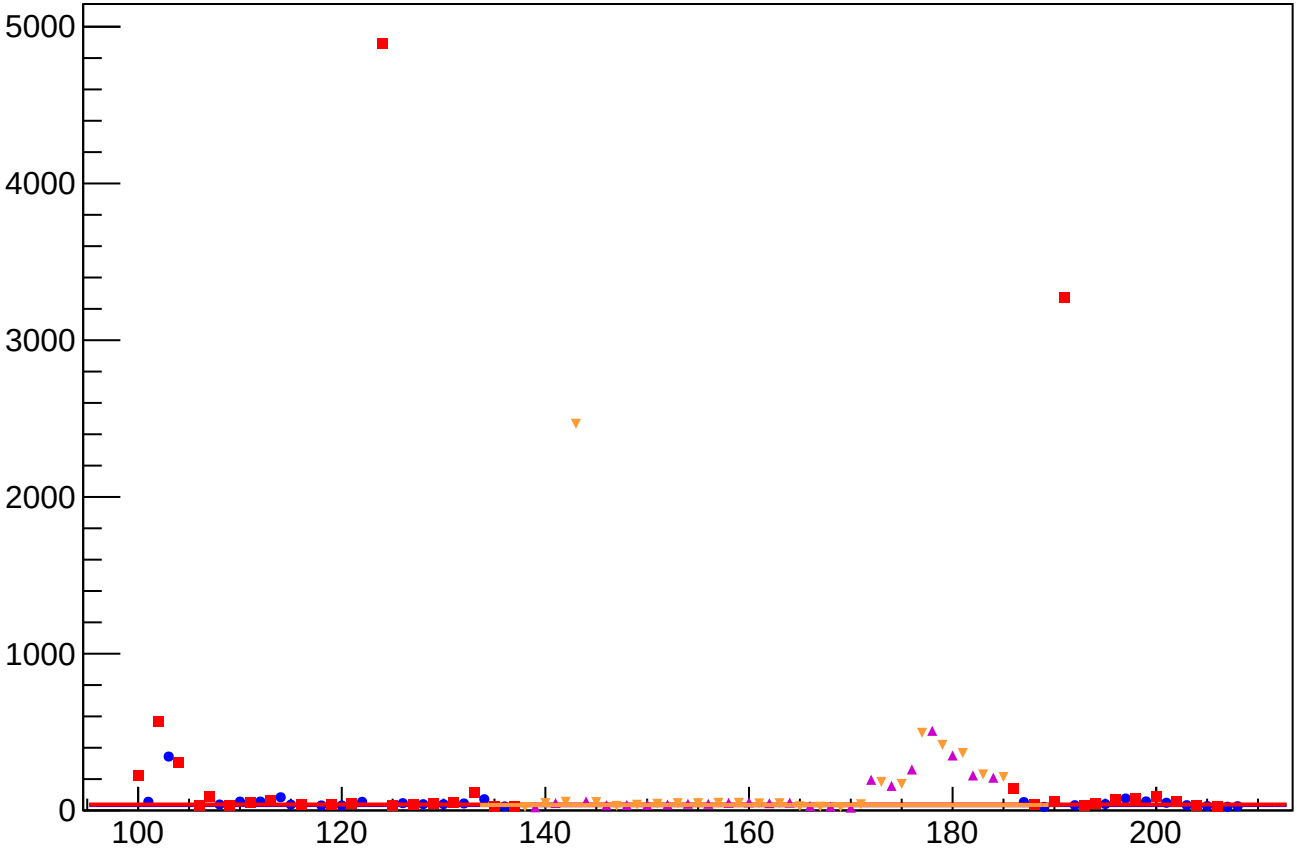
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

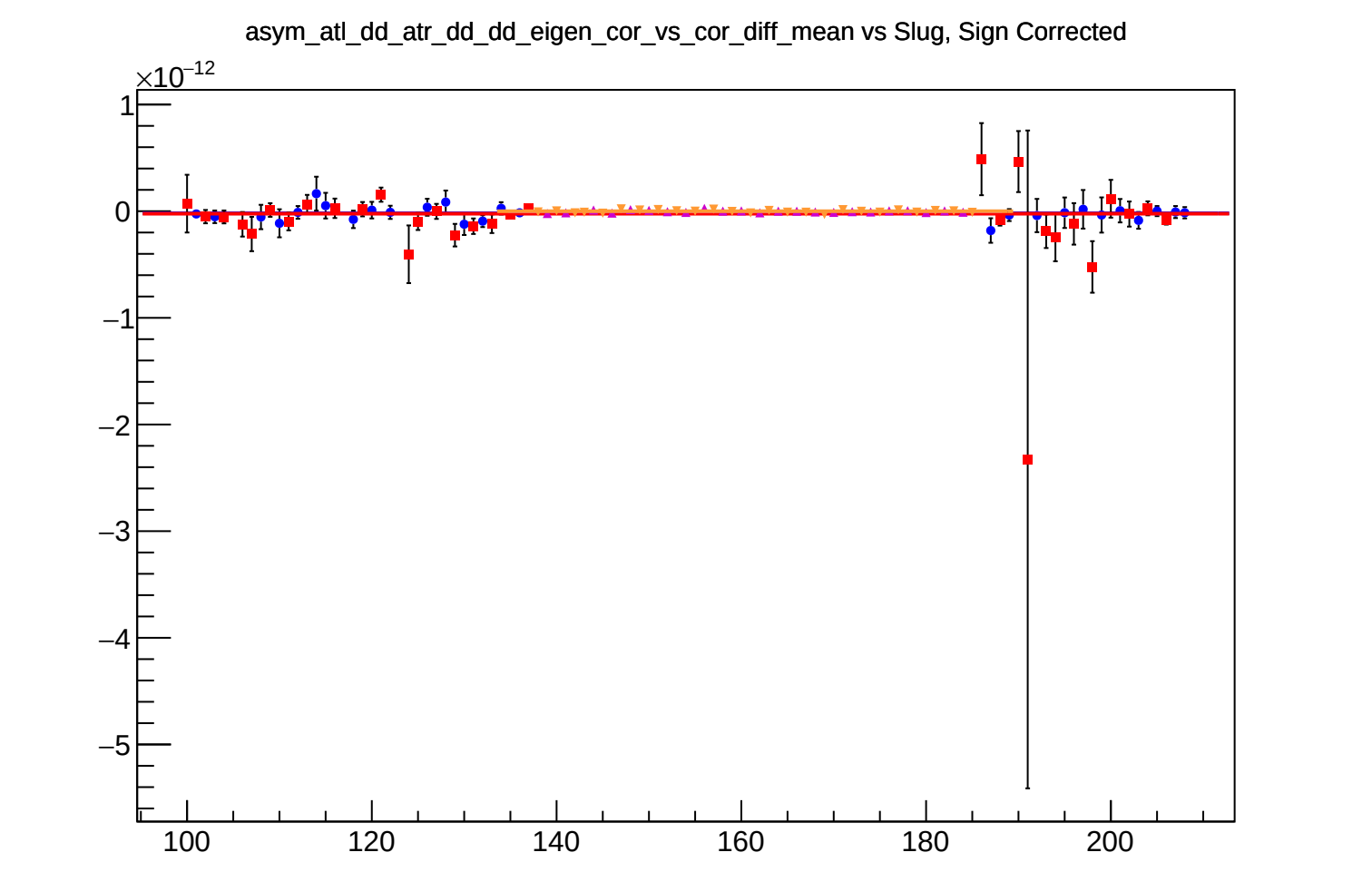
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 35.924+/-0.005 χ^2/NDF: 9530789.7/57

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.2/30

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

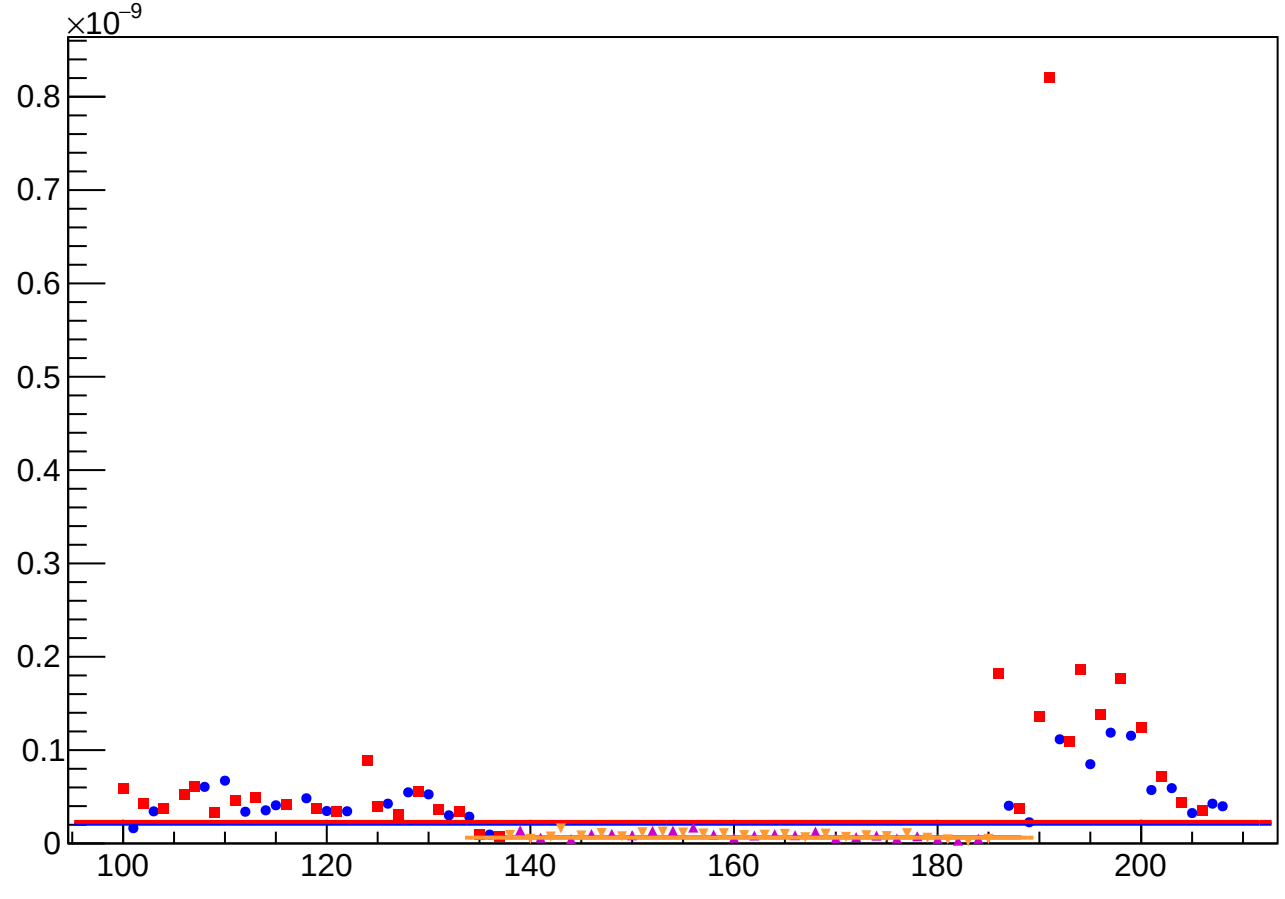
Right: -0.000+/-0.000 χ^2/NDF: 55.7/57

In: -0.000+/-0.000 χ^2/NDF:34.9/49

Out: -0.000+/-0.000 χ^2/NDF:75.2/55

All: -0.000+/-0.000 χ^2/NDF: 110.5/105

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

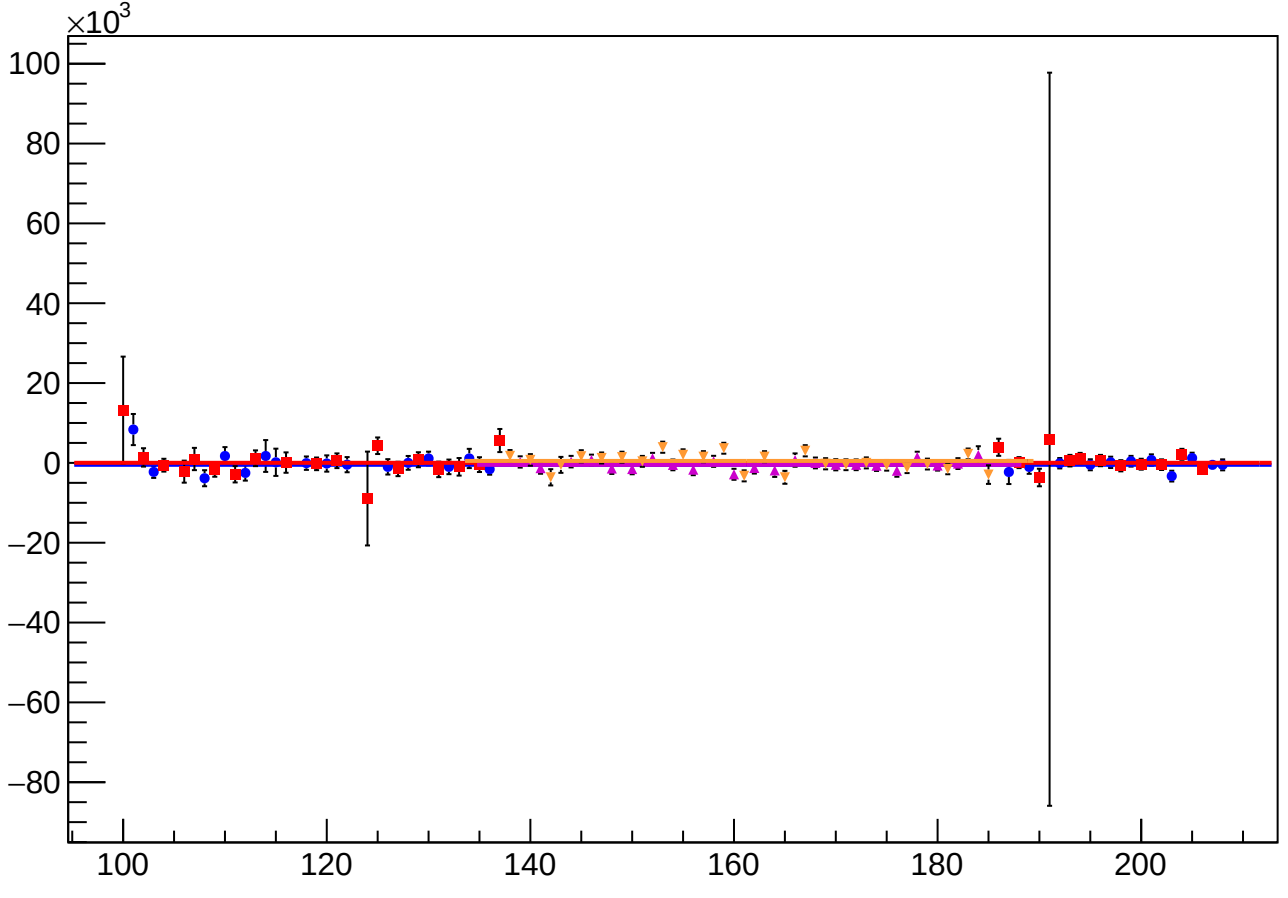
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16914180.2/57

In: 0.000+/-0.000 χ^2/NDF:16207496.0/49

Out: 0.000+/-0.000 χ^2/NDF:19924978.9/55

All: 0.000+/-0.000 χ^2/NDF: 36173571.4/105



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

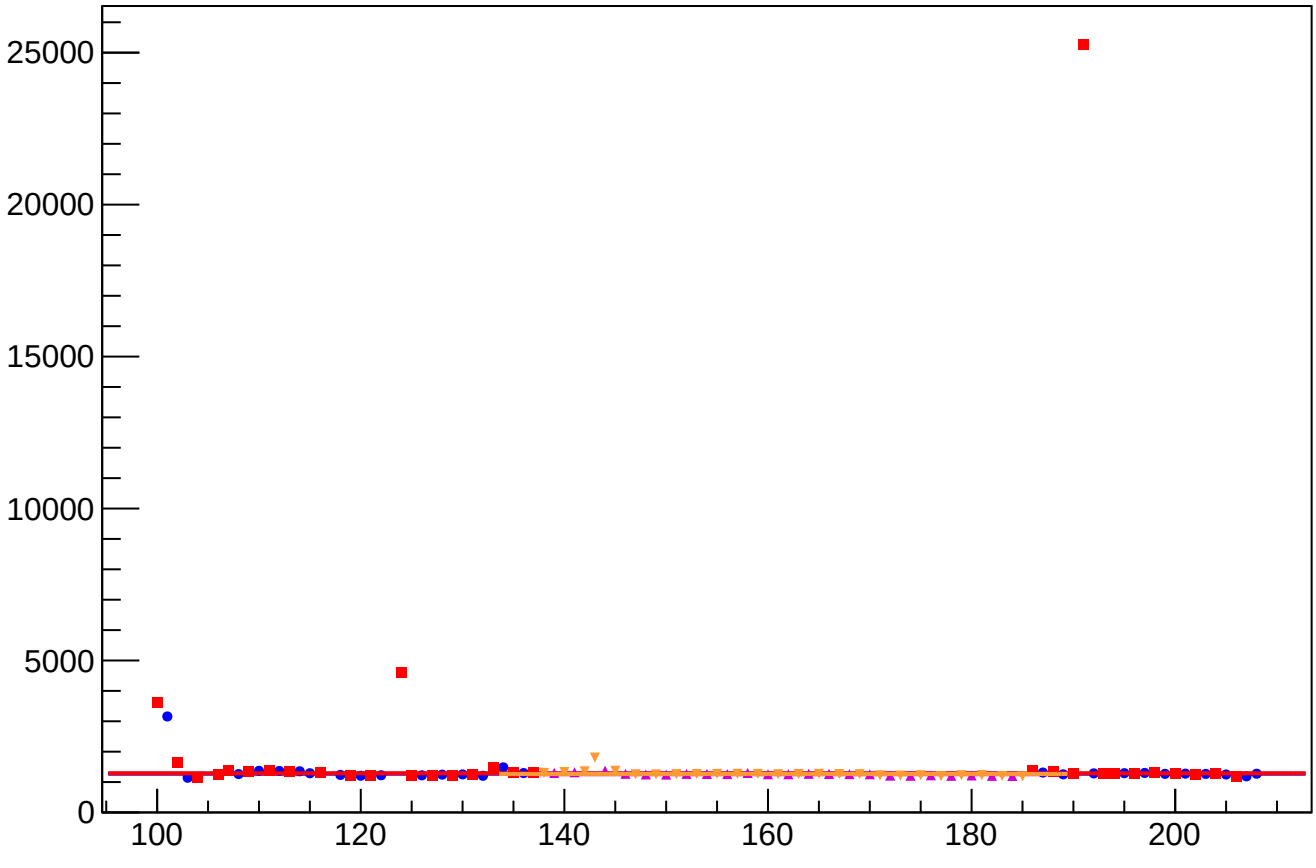
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -230.687+/-228.930 χ^2/NDF: 51.1/57

In: -483.264+/-217.494 χ^2/NDF:36.3/49

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -96.773+/-153.064 χ^2/NDF: 118.7/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

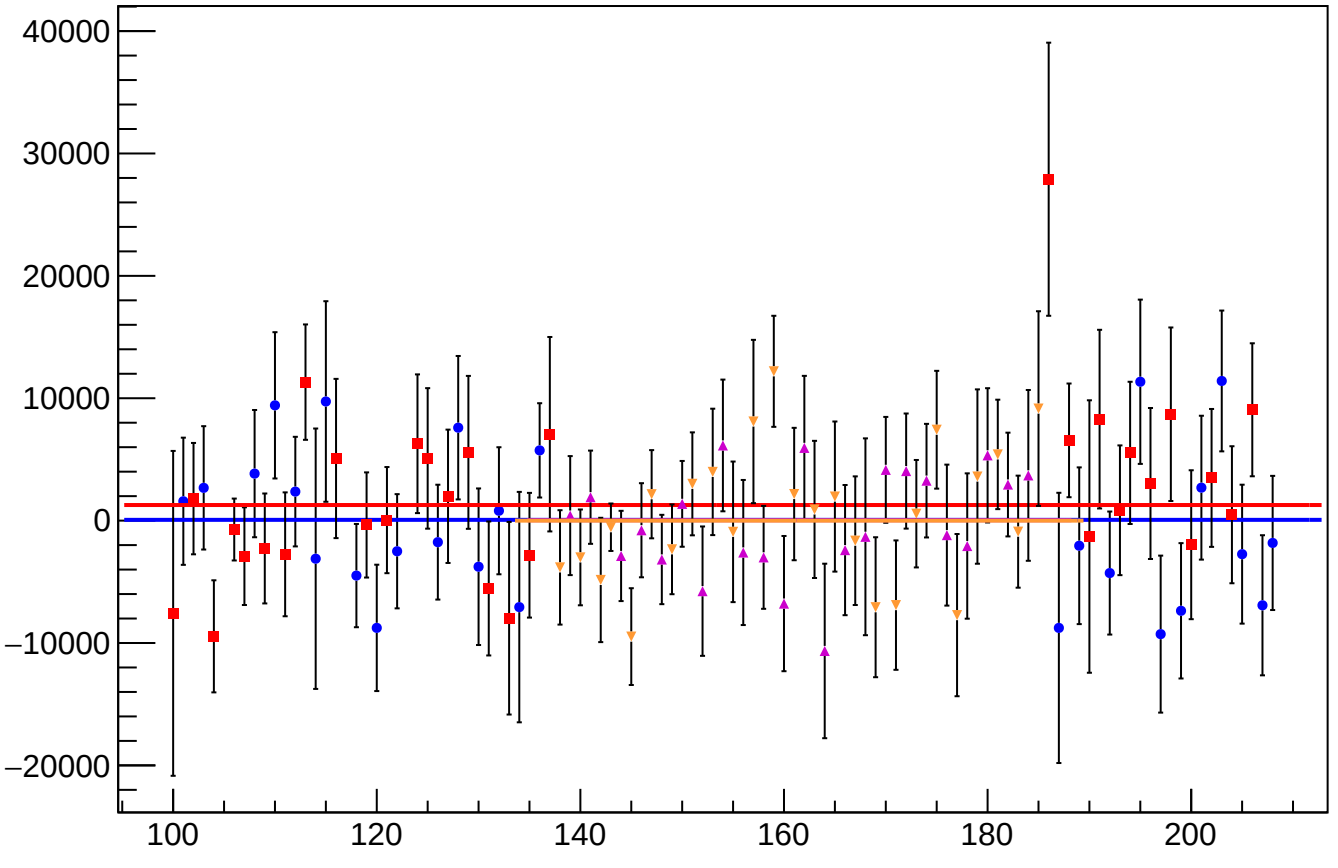
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

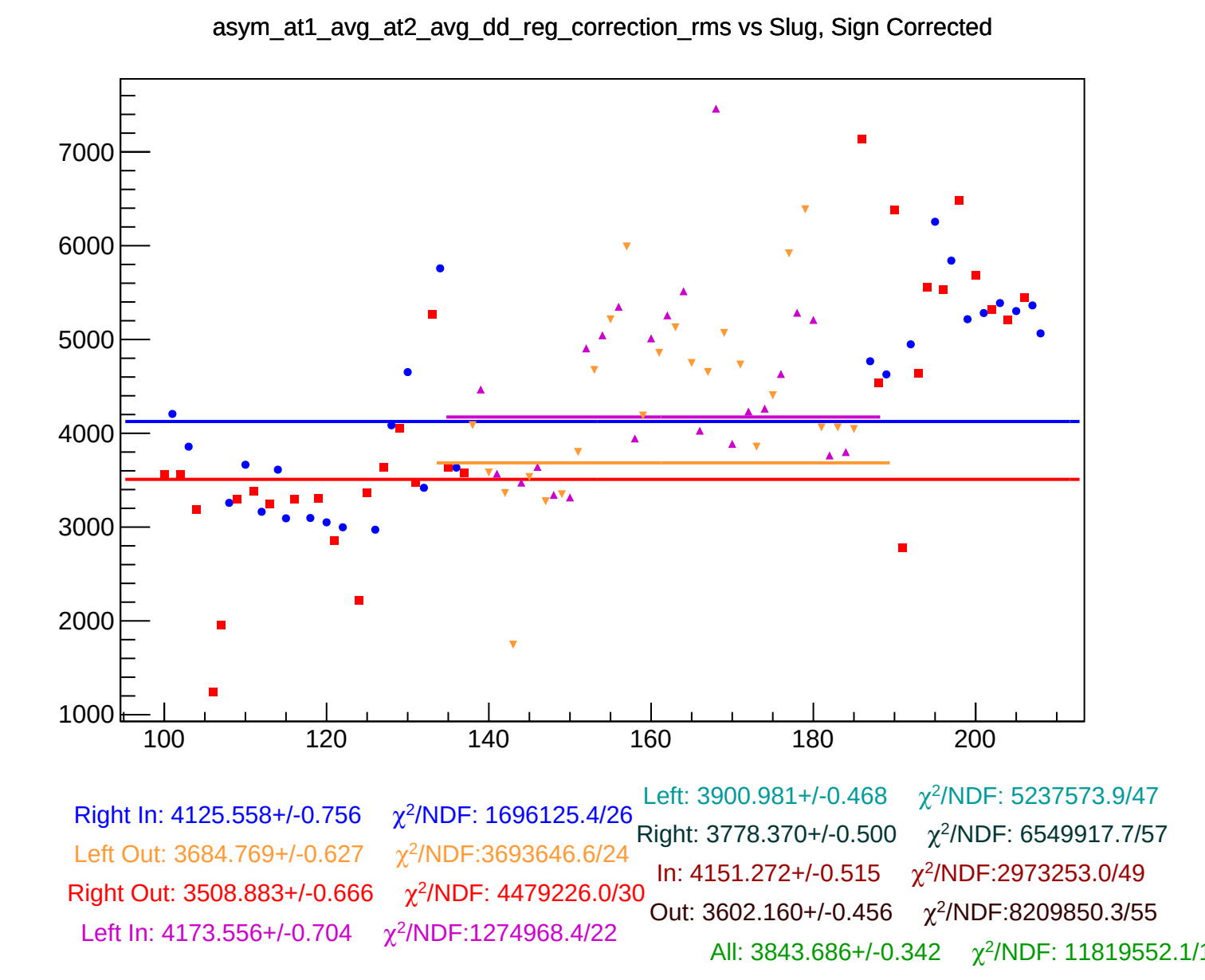
Right: 1282.009+/-0.162 χ^2/NDF: 1011857.2/57

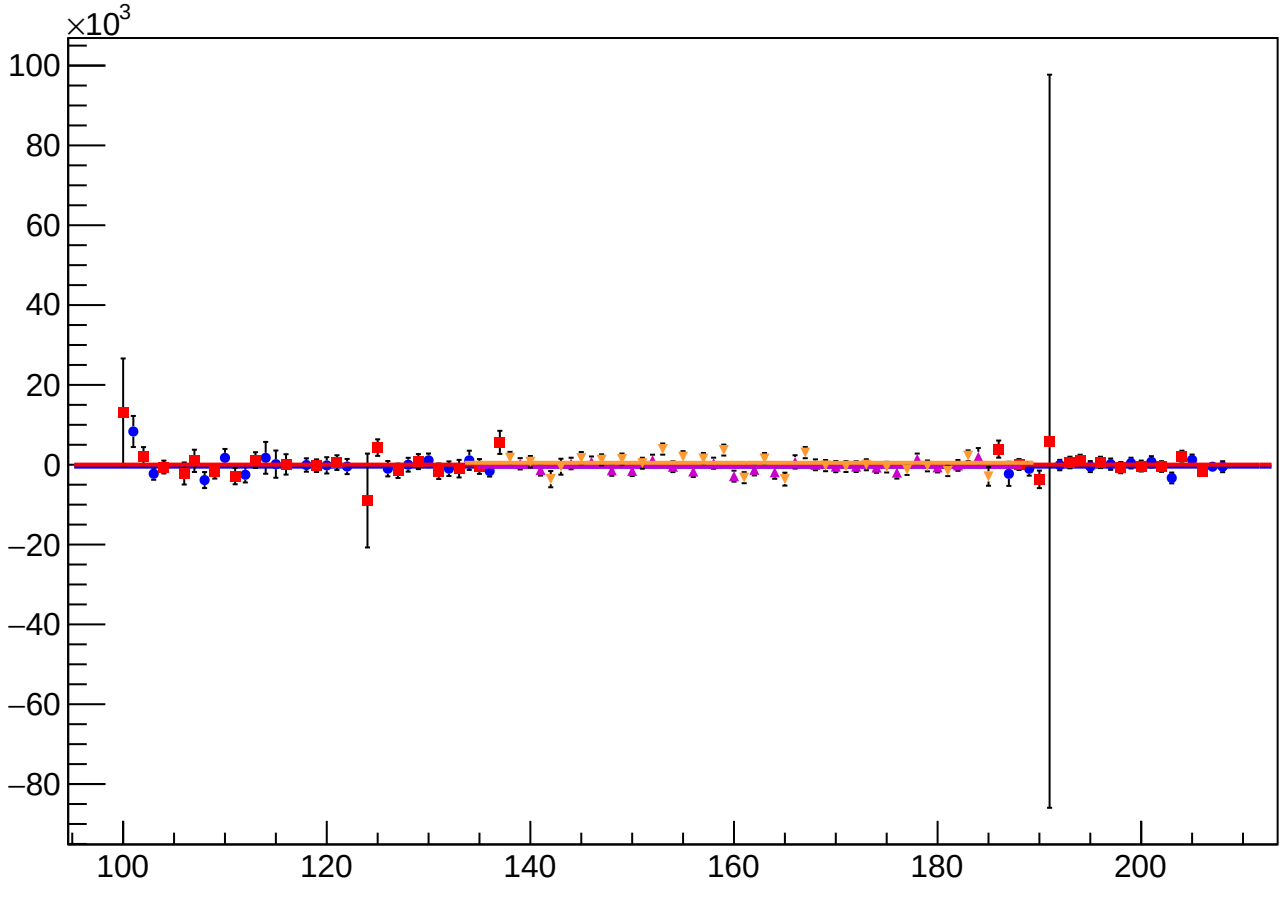
In: 1265.984+/-0.154 χ^2/NDF:568804.6/49

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1271.141+/-0.108 χ^2/NDF: 1245430.1/10


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 63.227+/-1069.204 χ²/NDF: 28.6/26
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 1274.218+/-941.994 χ²/NDF: 32.1/30
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 745.014+/-706.809 χ²/NDF: 61.4/57
In: 46.280+/-728.529 χ²/NDF:42.6/49
Out: 598.144+/-645.573 χ²/NDF:62.1/55
All: 355.407+/-483.168 χ²/NDF: 105.0/105


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4125.558+/-0.756 χ²/NDF: 1696125.4/26
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3508.883+/-0.666 χ²/NDF: 4479226.0/30
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3778.370+/-0.500 χ²/NDF: 6549917.7/57
In: 4151.272+/-0.515 χ²/NDF:2973253.0/49
Out: 3602.160+/-0.456 χ²/NDF:8209850.3/55
All: 3843.686+/-0.342 χ²/NDF: 11819552.1/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

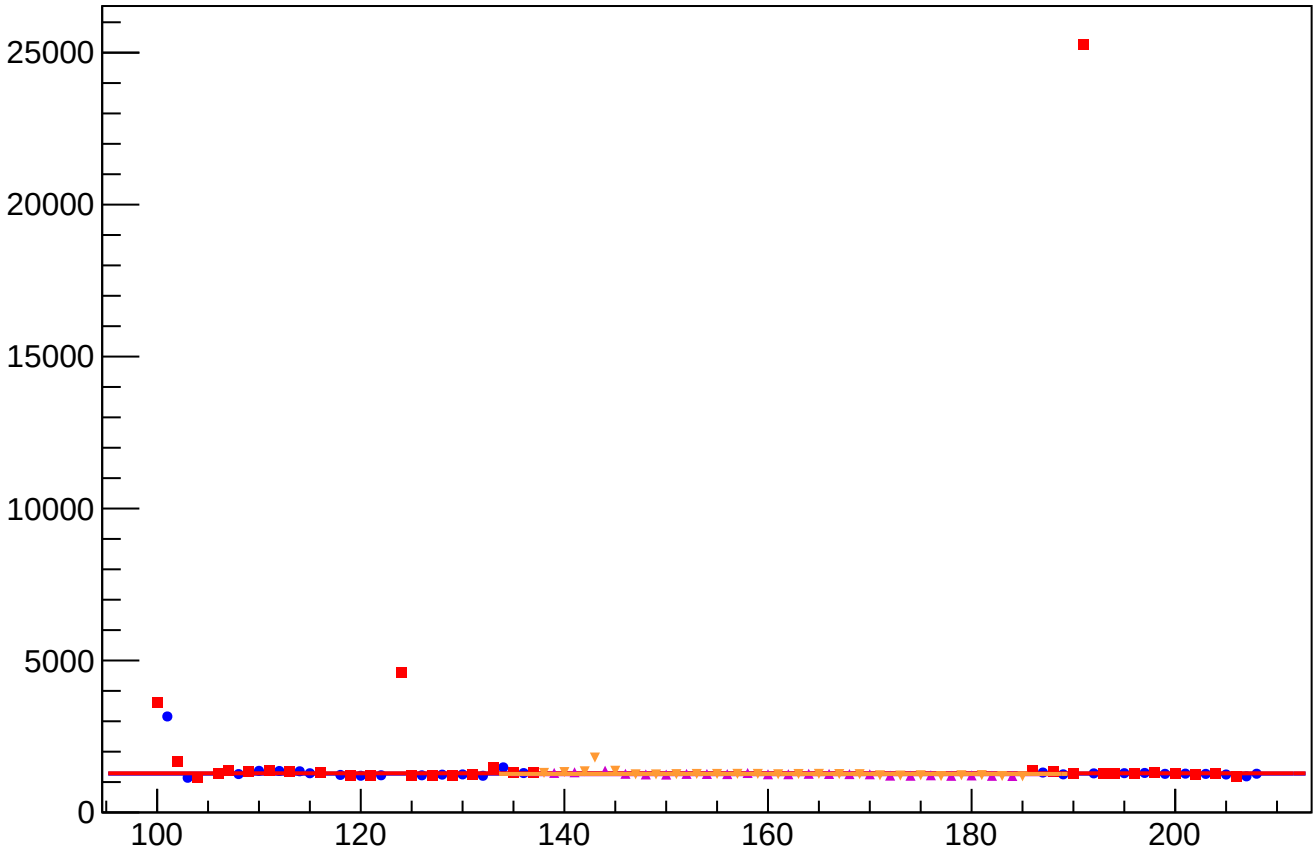
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -224.427+/-228.963 χ^2/NDF: 51.6/57

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -93.925+/-153.074 χ^2/NDF: 119.2/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

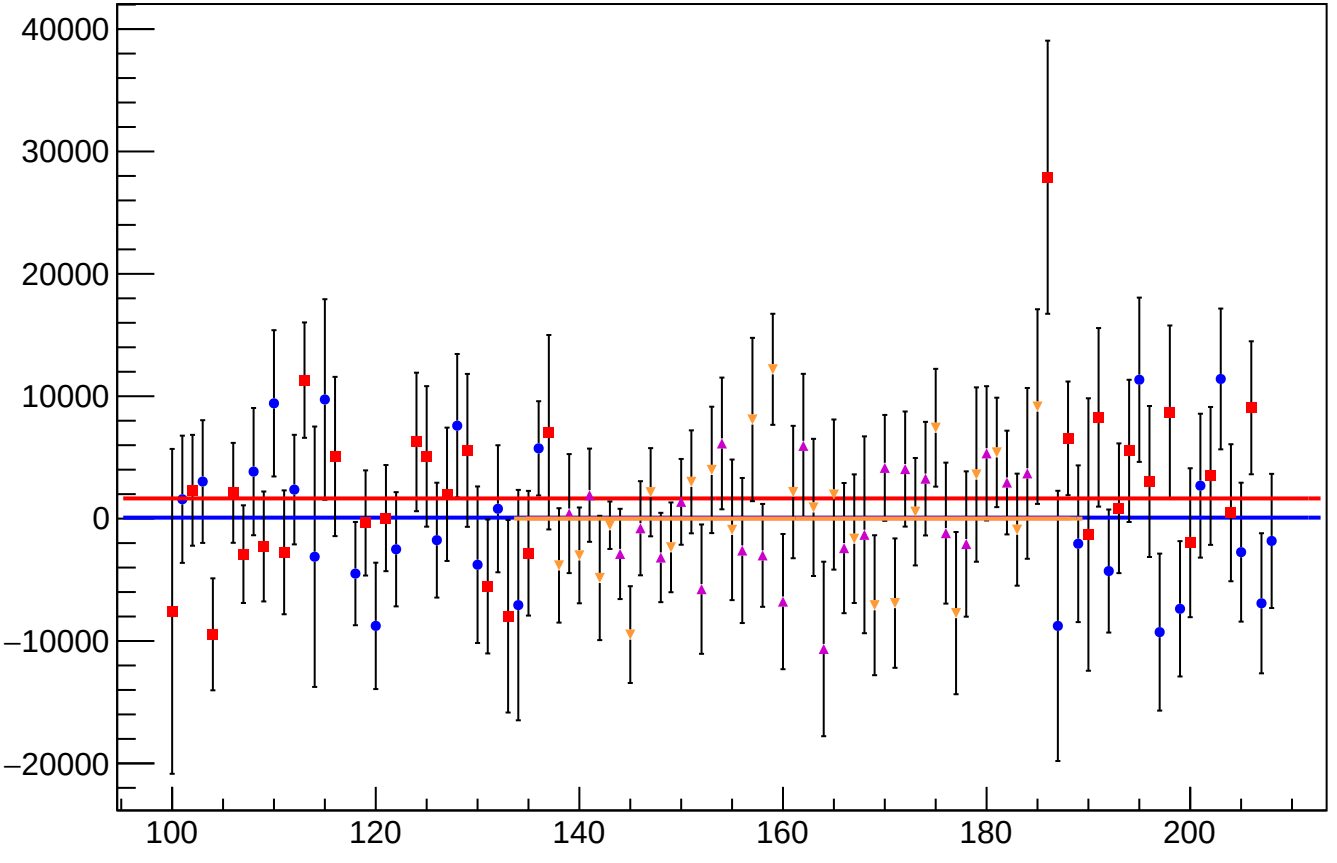
Right: 1282.446+/-0.162 χ^2/NDF: 1018981.2/57

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

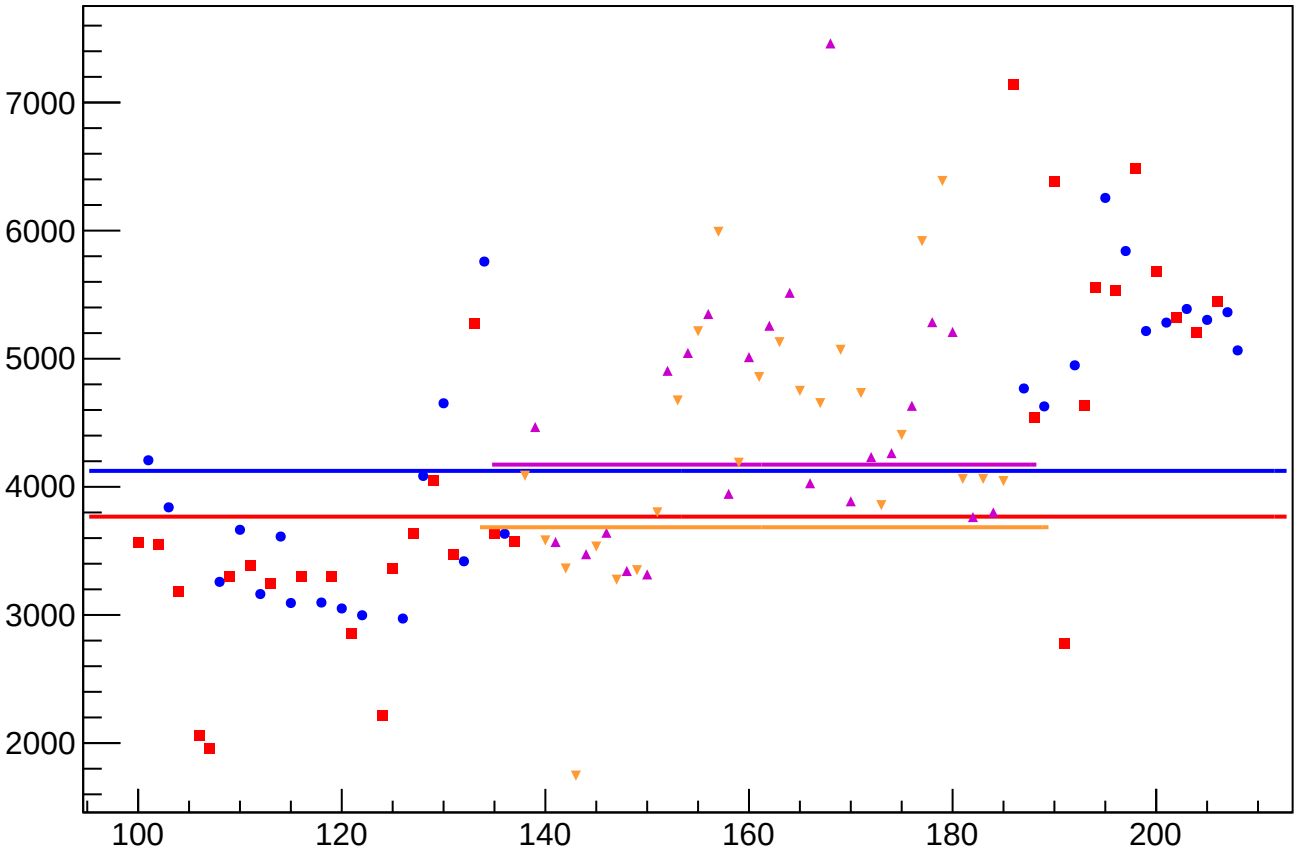
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

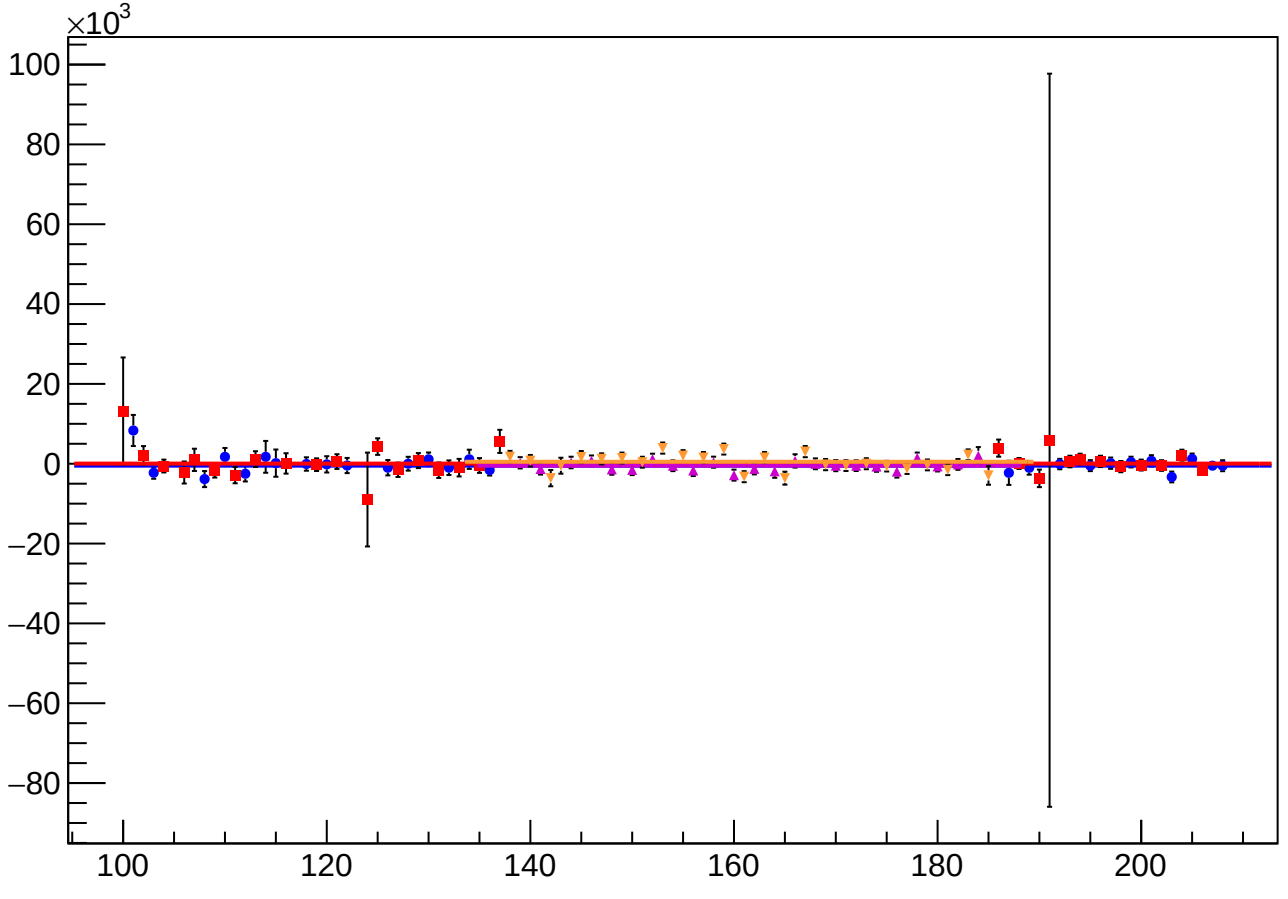
Right: 929.281+/-724.261 χ^2/NDF: 61.2/57

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 430.435+/-488.634 χ^2/NDF: 105.2/105


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4124.687+/-0.756 χ²/NDF: 1696967.8/26
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3767.434+/-0.696 χ²/NDF: 2986055.6/30
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3931.432+/-0.512 χ²/NDF: 4803862.9/57
In: 4150.859+/-0.515 χ²/NDF:2974173.6/49
Out: 3721.769+/-0.466 χ²/NDF:6687529.2/55
All: 3914.838+/-0.346 χ²/NDF: 10043404.8/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

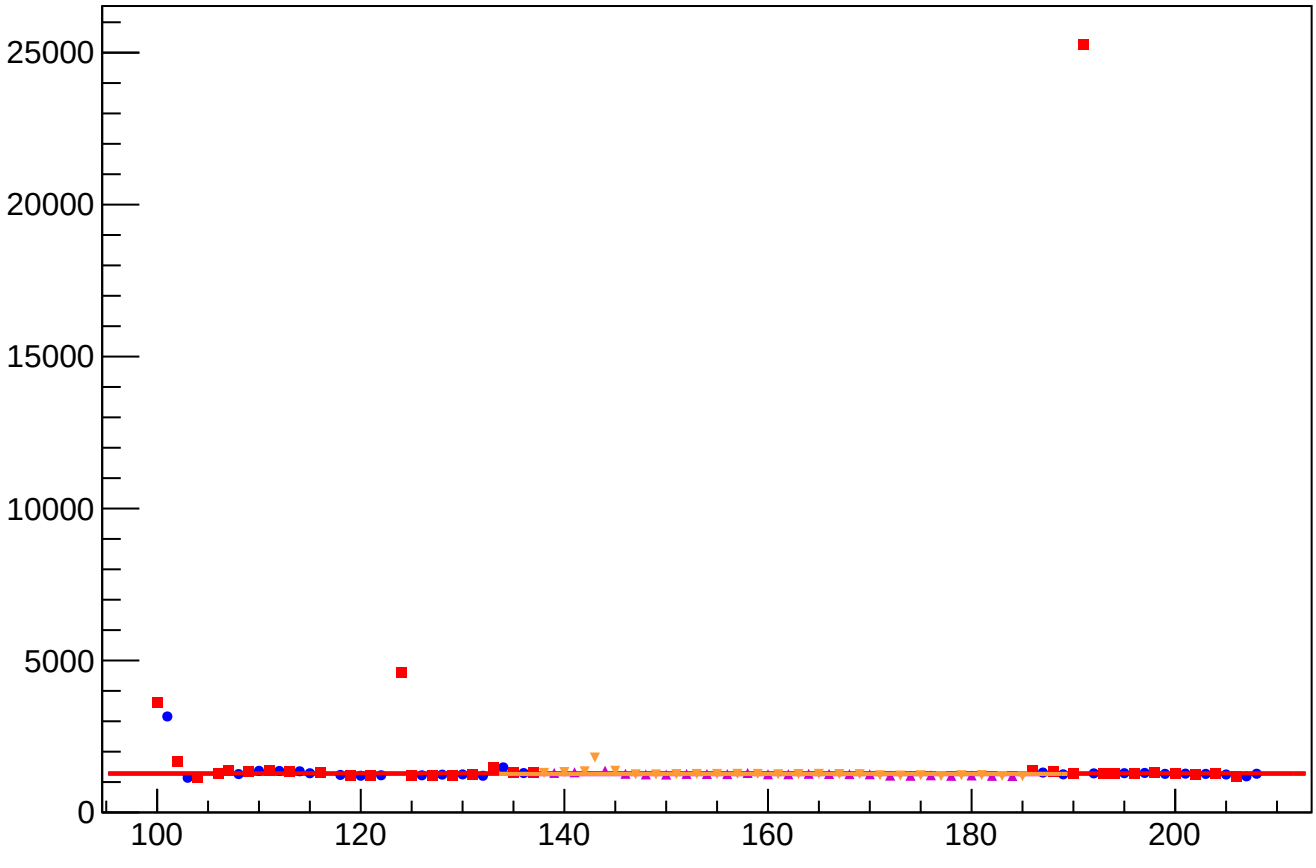
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -224.427+/-228.963 χ^2/NDF: 51.6/57

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -93.925+/-153.074 χ^2/NDF: 119.2/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

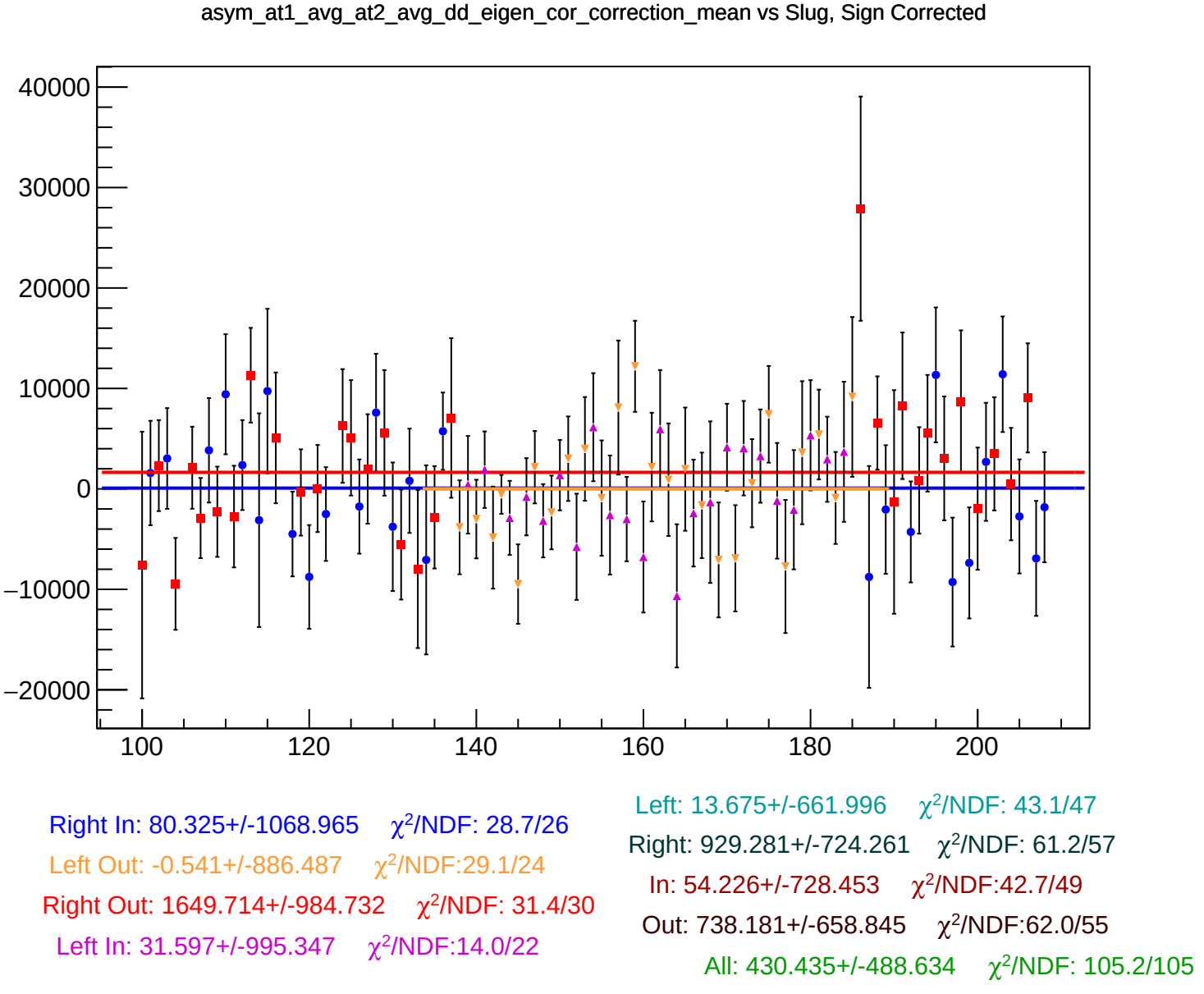
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

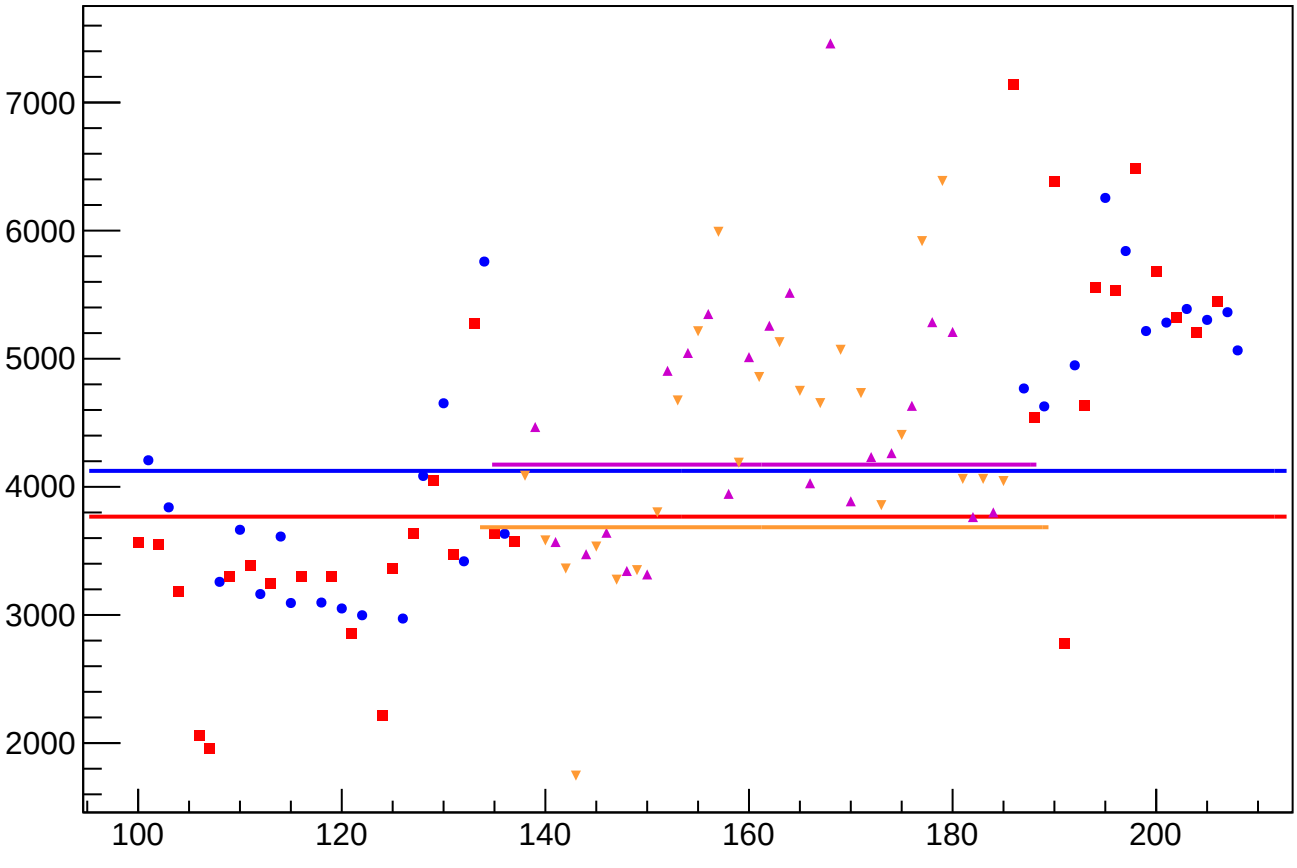
Right: 1282.446+/-0.162 χ^2/NDF: 1018981.2/57

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 80.325+/-1068.965 χ²/NDF: 28.7/26
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 929.281+/-724.261 χ²/NDF: 61.2/57
In: 54.226+/-728.453 χ²/NDF:42.7/49
Out: 738.181+/-658.845 χ²/NDF:62.0/55
All: 430.435+/-488.634 χ²/NDF: 105.2/105



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

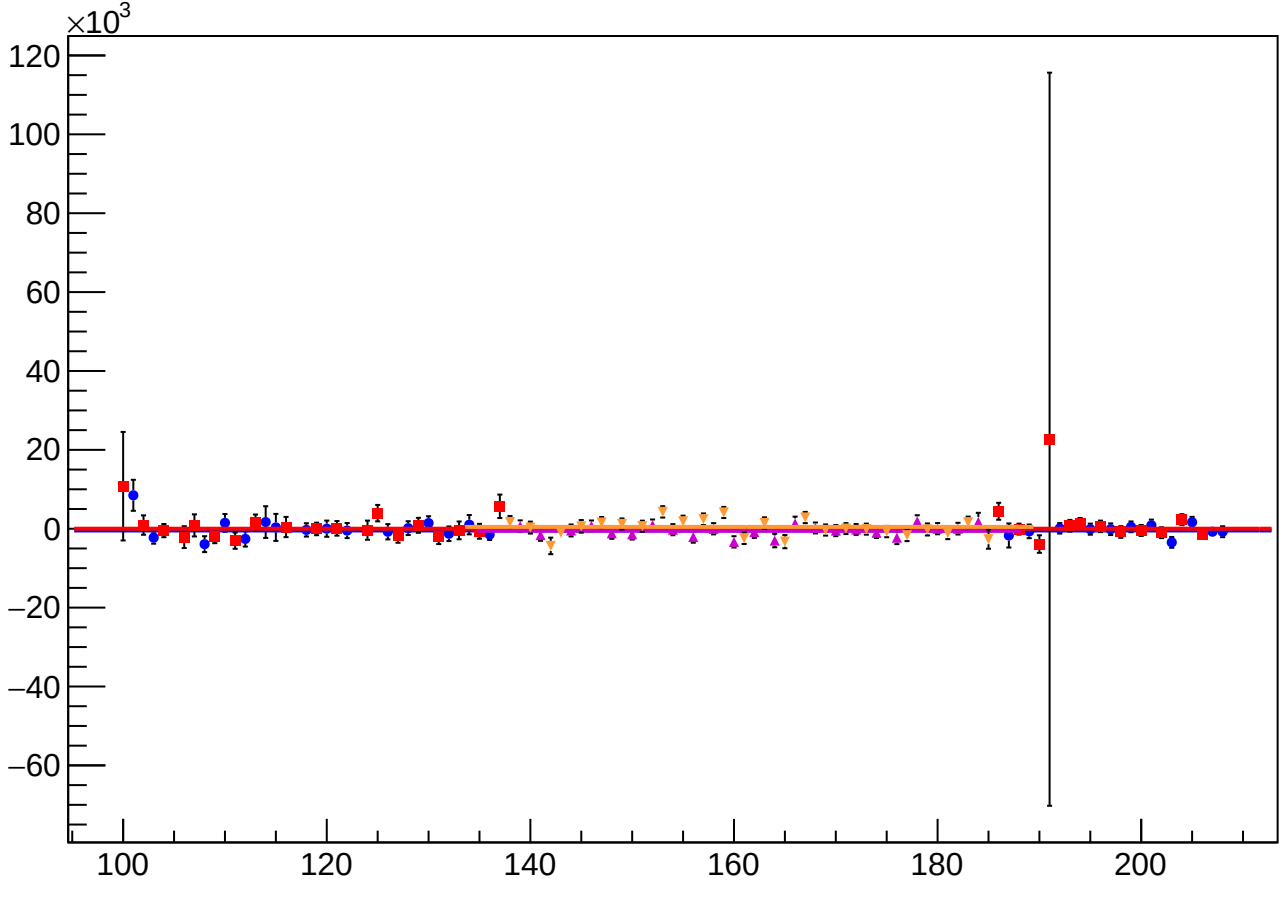
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3931.432+/-0.512 χ^2/NDF: 4803862.9/57

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.003+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

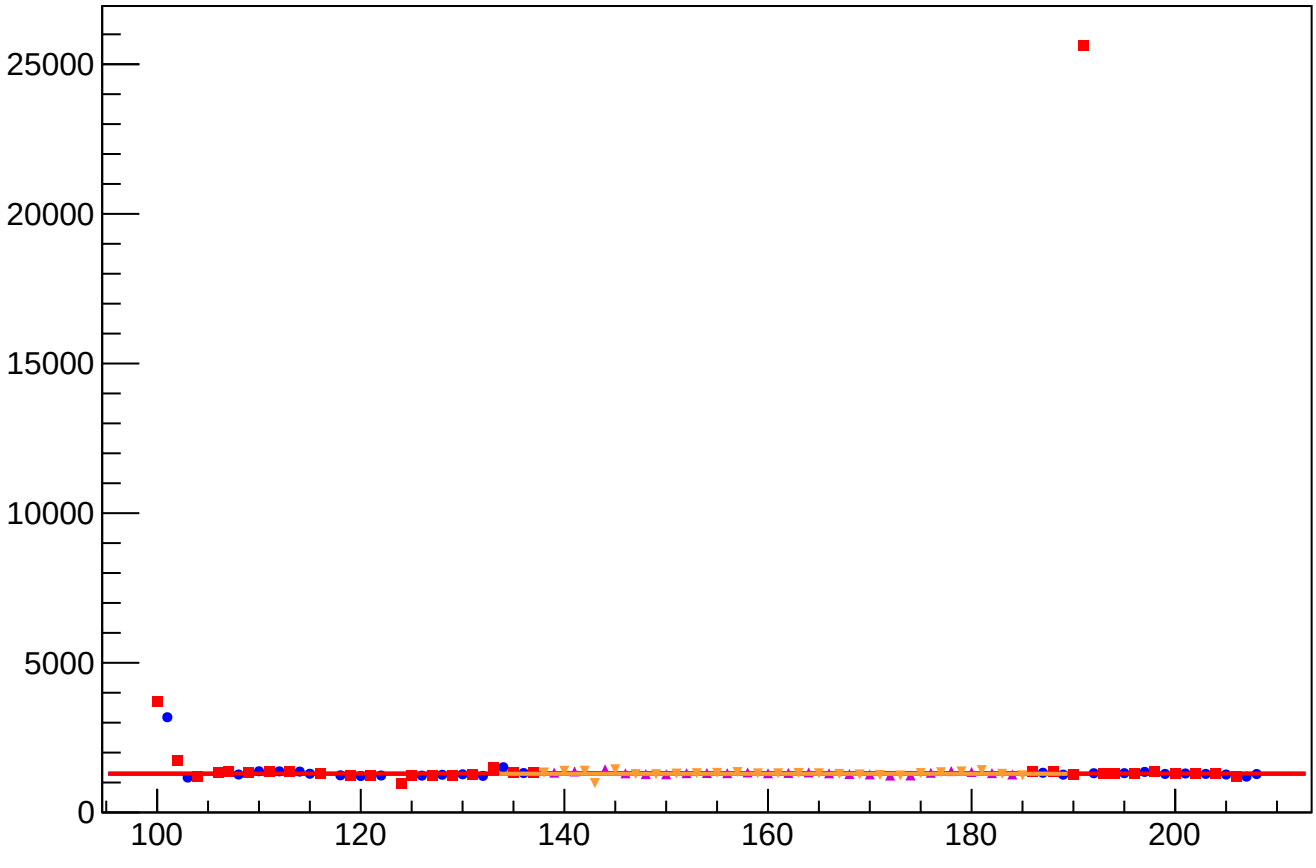
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -214.956+/-231.440 χ^2/NDF: 53.2/57

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -96.751+/-156.509 χ^2/NDF: 120.4/105



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

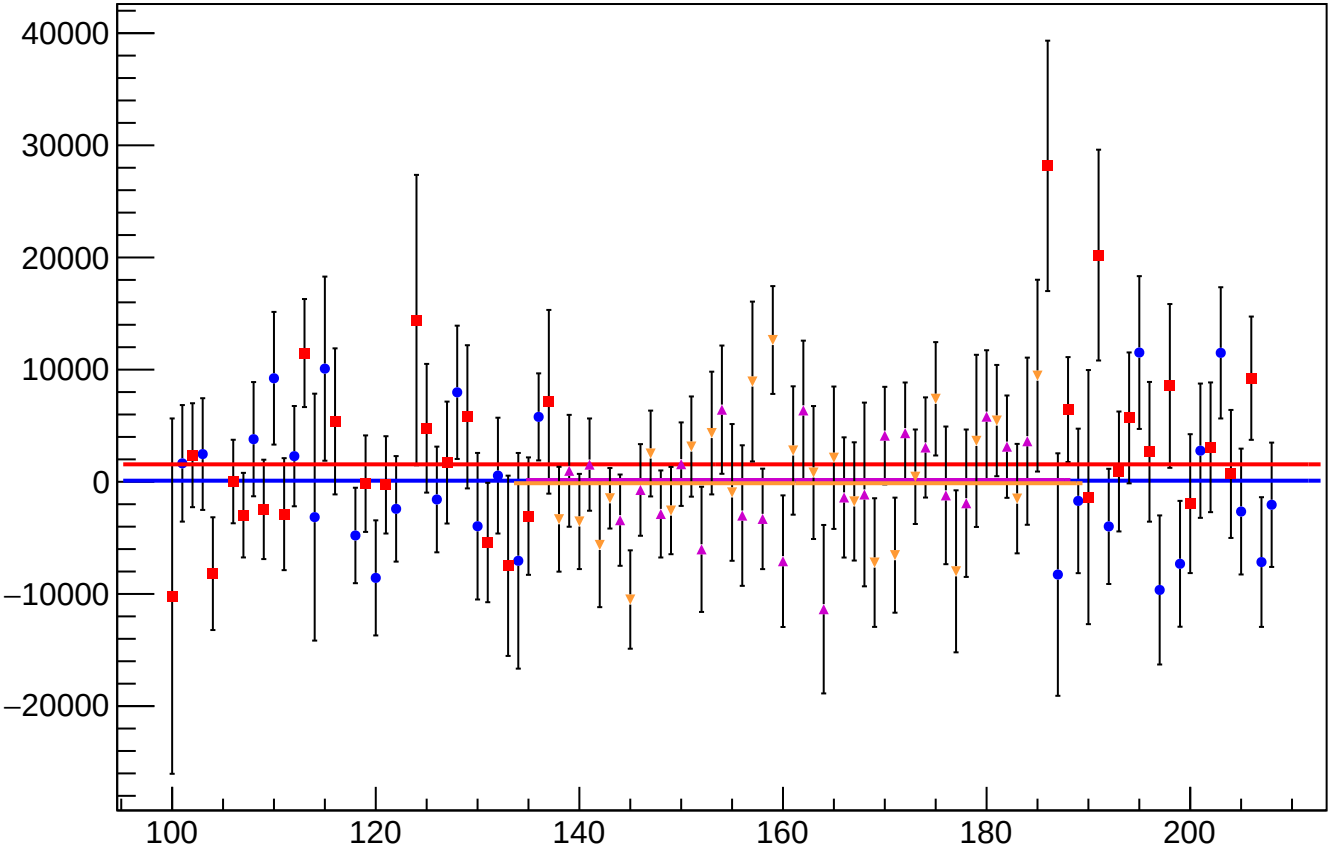
Right: 1296.982+/-0.164 χ^2/NDF: 907250.1/57

In: 1304.622+/-0.159 χ^2/NDF:575976.0/49

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1299.772+/-0.111 χ^2/NDF: 1187311.4/10

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

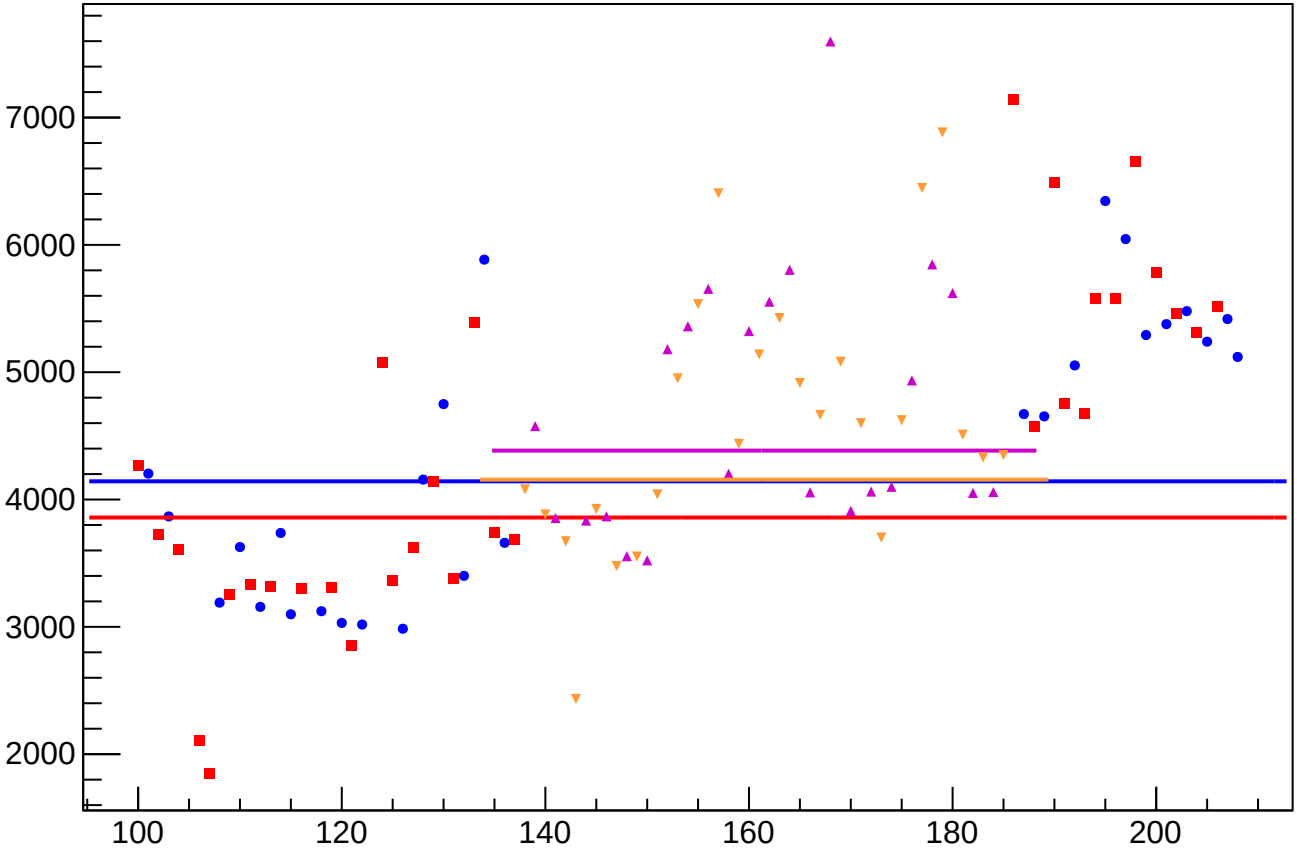
Right: 878.653+/-732.961 χ^2/NDF: 62.5/57

In: 129.705+/-749.479 χ^2/NDF:42.2/49

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 431.064+/-511.419 χ^2/NDF: 105.6/105

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

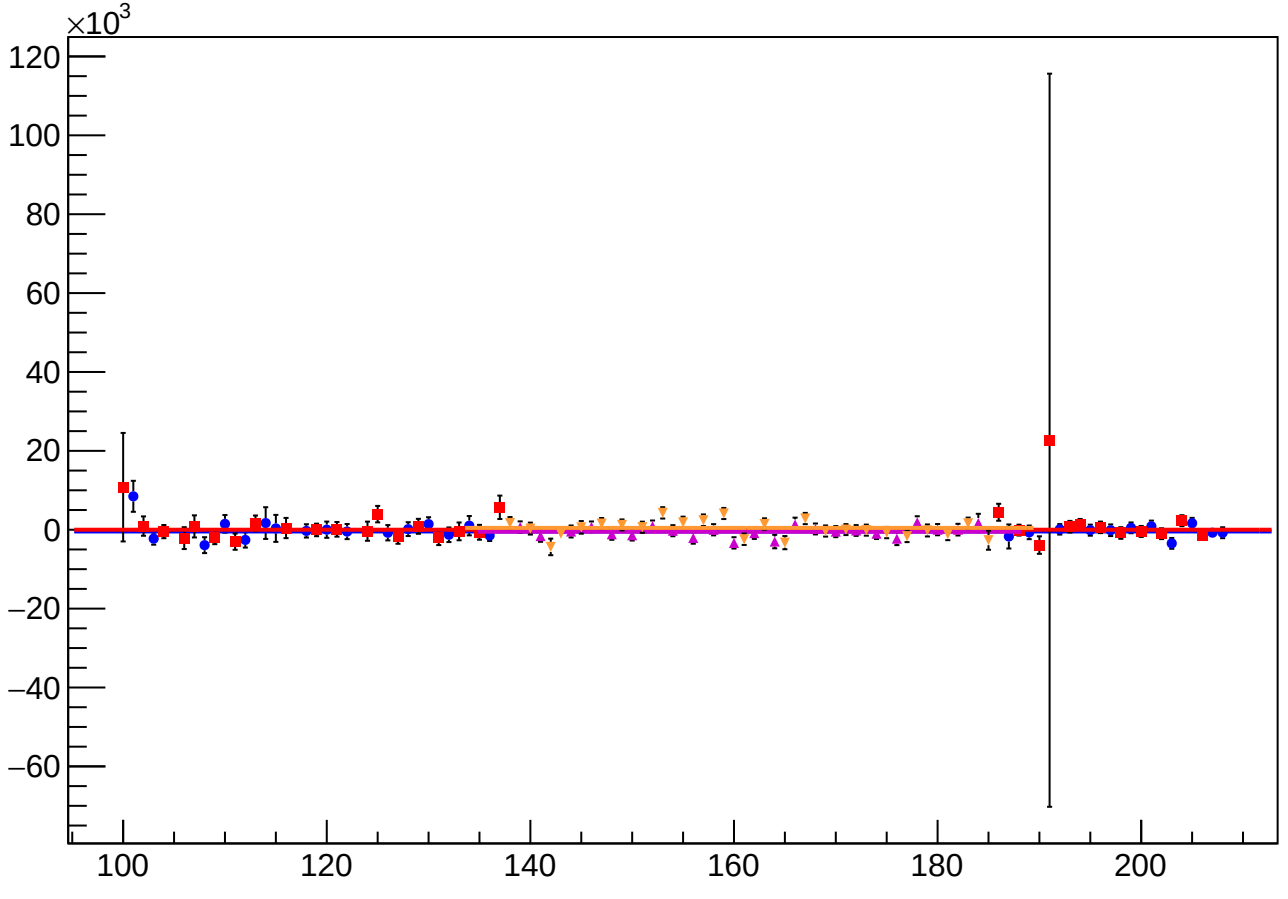
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3990.902+/-0.518 χ^2/NDF: 4917974.6/57

In: 4267.051+/-0.530 χ^2/NDF:3092476.6/49

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4130.414+/-0.362 χ^2/NDF: 8446062.8/10



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.002+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

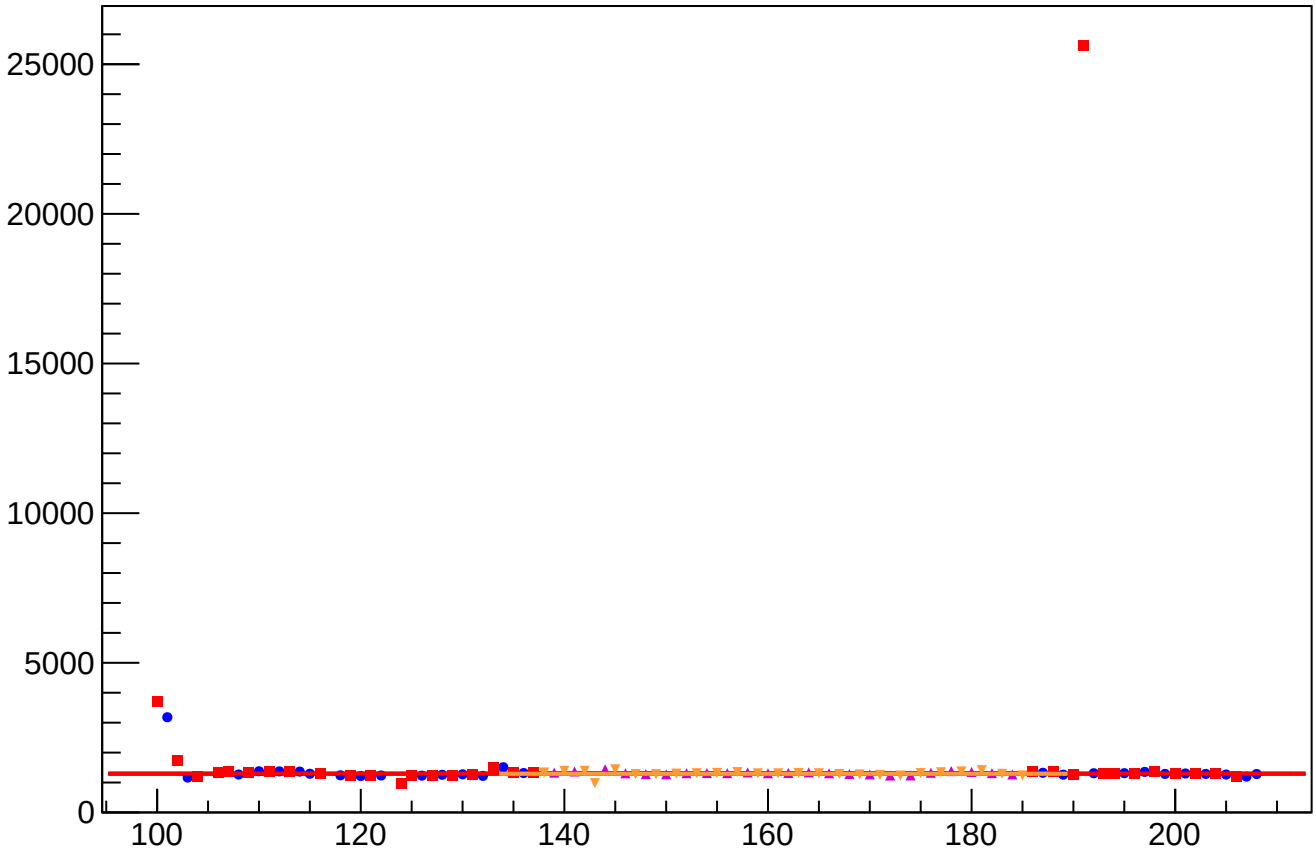
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -214.957+/-231.440 χ^2/NDF: 53.2/57

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -96.751+/-156.509 χ^2/NDF: 120.4/105



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

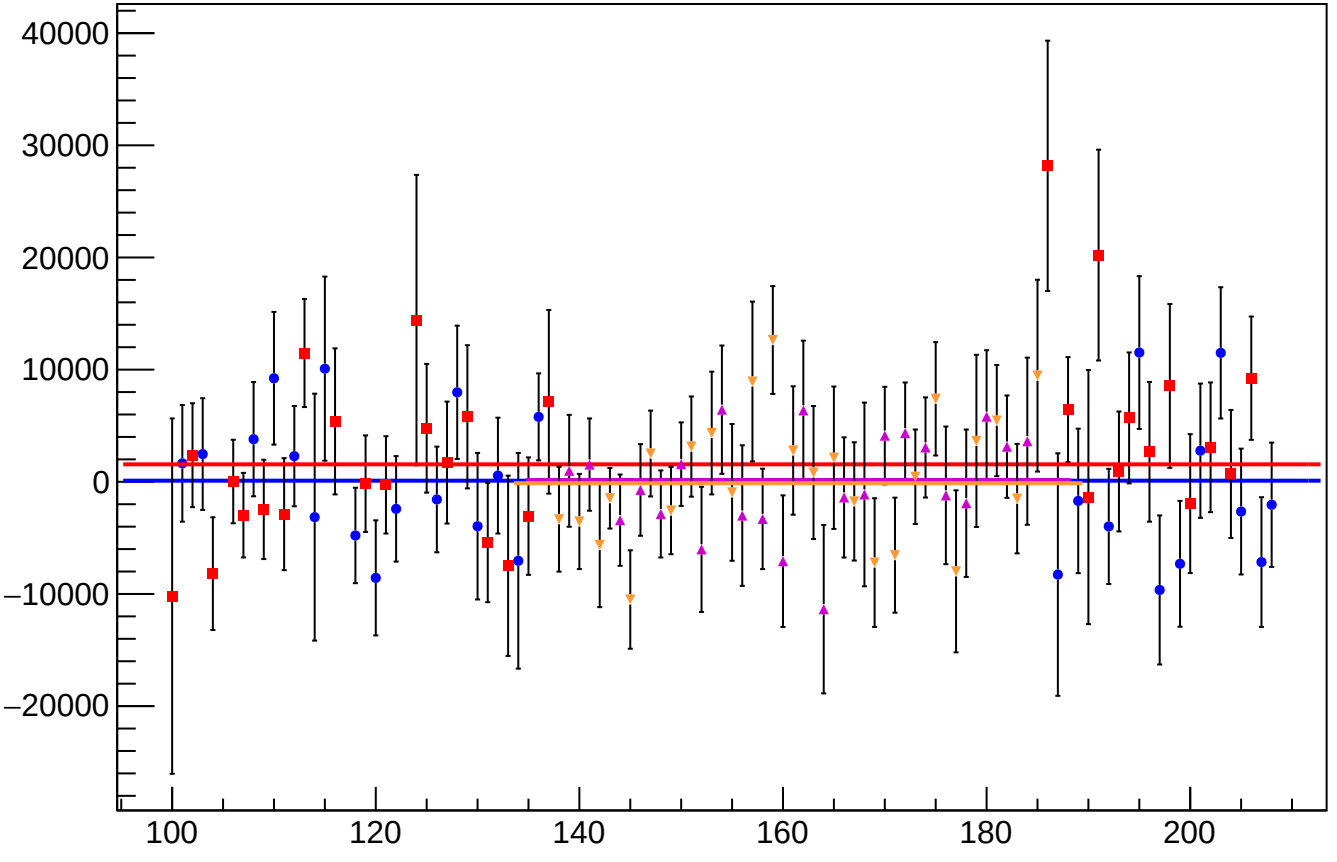
Right: 1296.982+/-0.164 χ^2/NDF: 907250.4/57

In: 1304.623+/-0.159 χ^2/NDF:575978.8/49

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1299.773+/-0.111 χ^2/NDF: 1187316.5/10

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

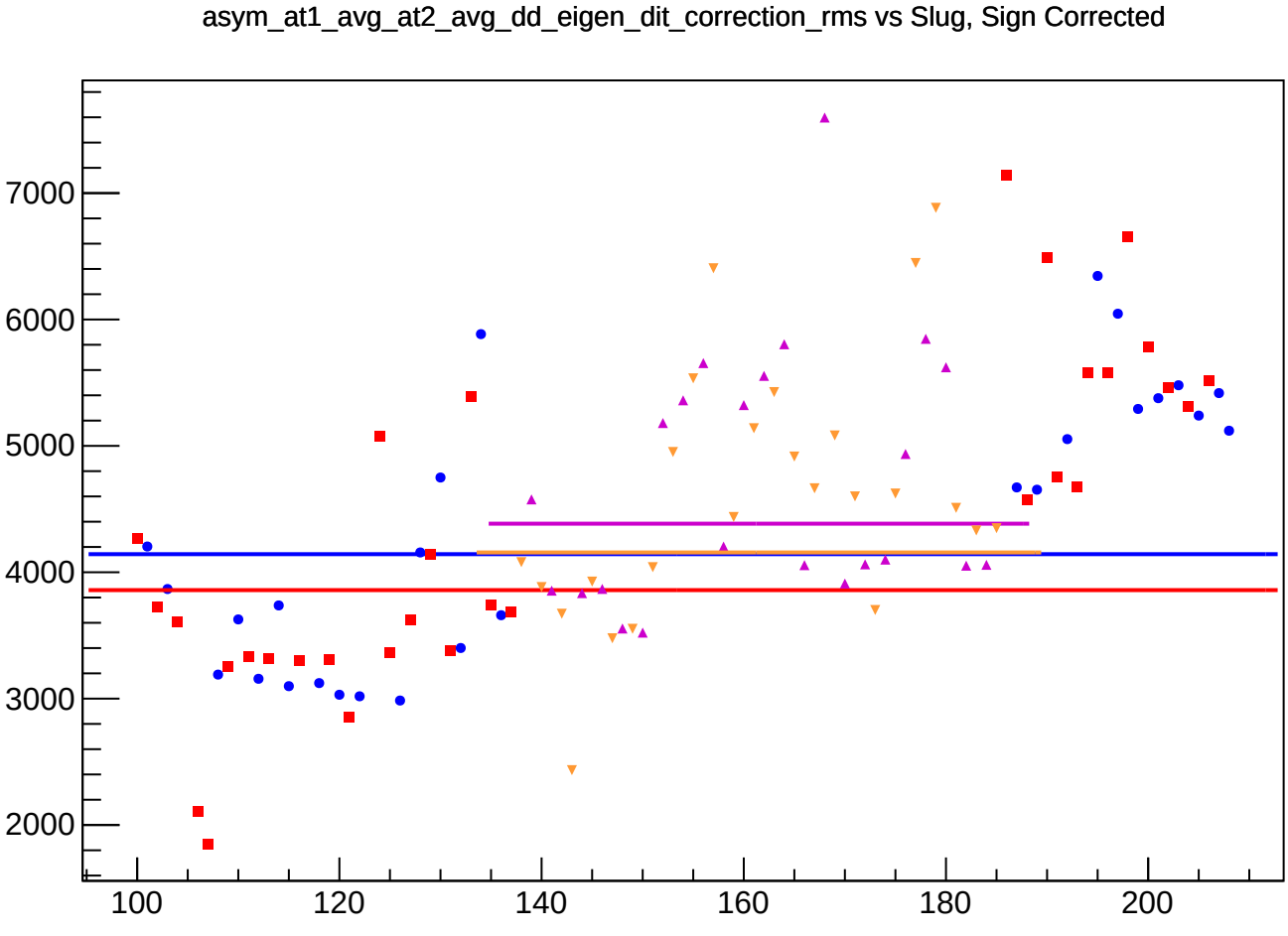
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

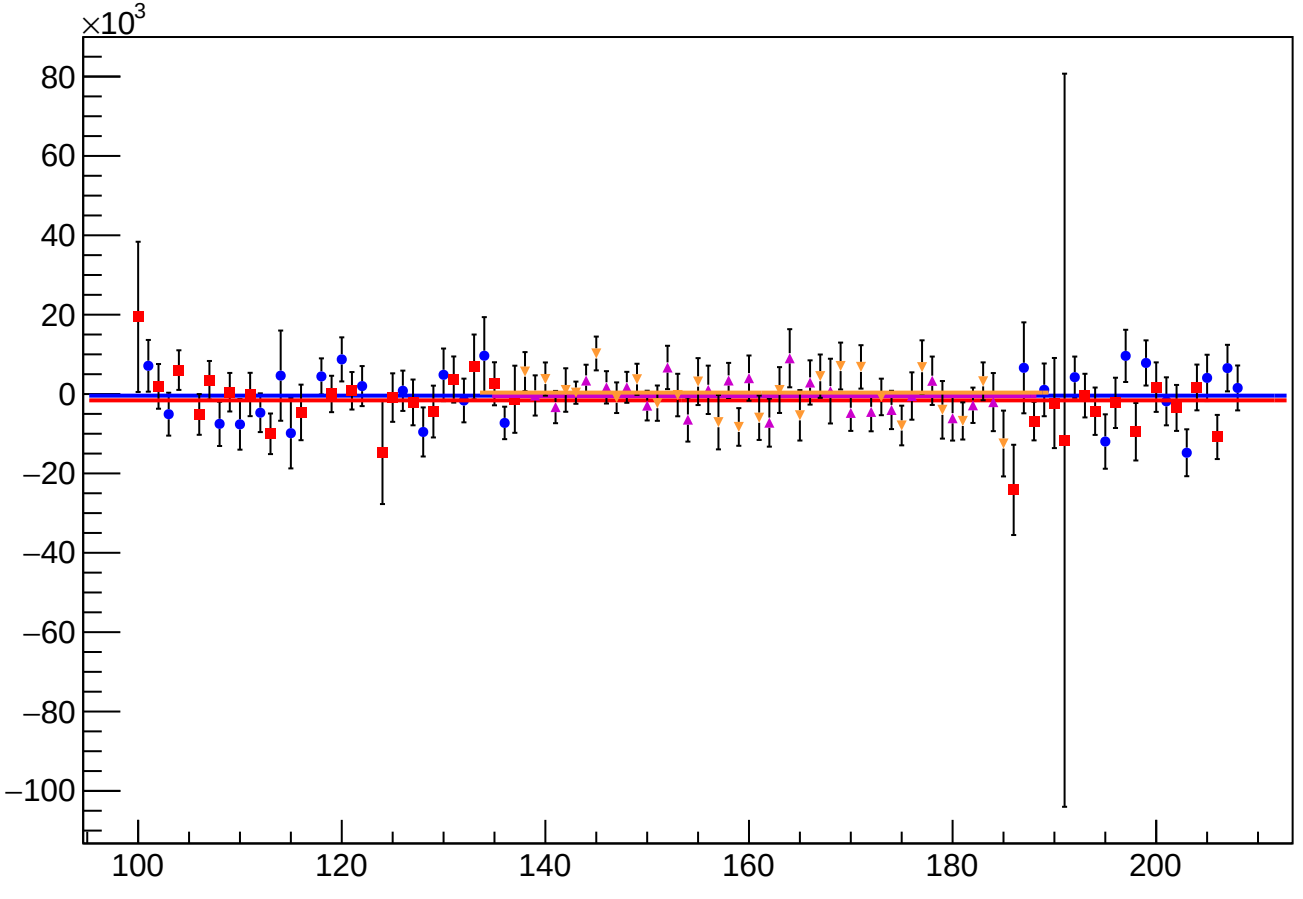
Right: 878.646+/-732.960 χ^2/NDF: 62.5/57

In: 129.703+/-749.479 χ^2/NDF:42.2/49

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 431.063+/-511.419 χ^2/NDF: 105.6/105


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4143.076+/-0.760 χ²/NDF: 1785274.0/26
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3858.666+/-0.709 χ²/NDF: 3057847.1/30
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3990.896+/-0.518 χ²/NDF: 4918034.1/57
In: 4267.051+/-0.530 χ²/NDF:3092517.2/49
Out: 4011.357+/-0.495 χ²/NDF:5229230.8/55
All: 4130.414+/-0.362 χ²/NDF: 8446142.7/10



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1590.008+/-1090.282 χ^2/NDF: 22.8/30

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

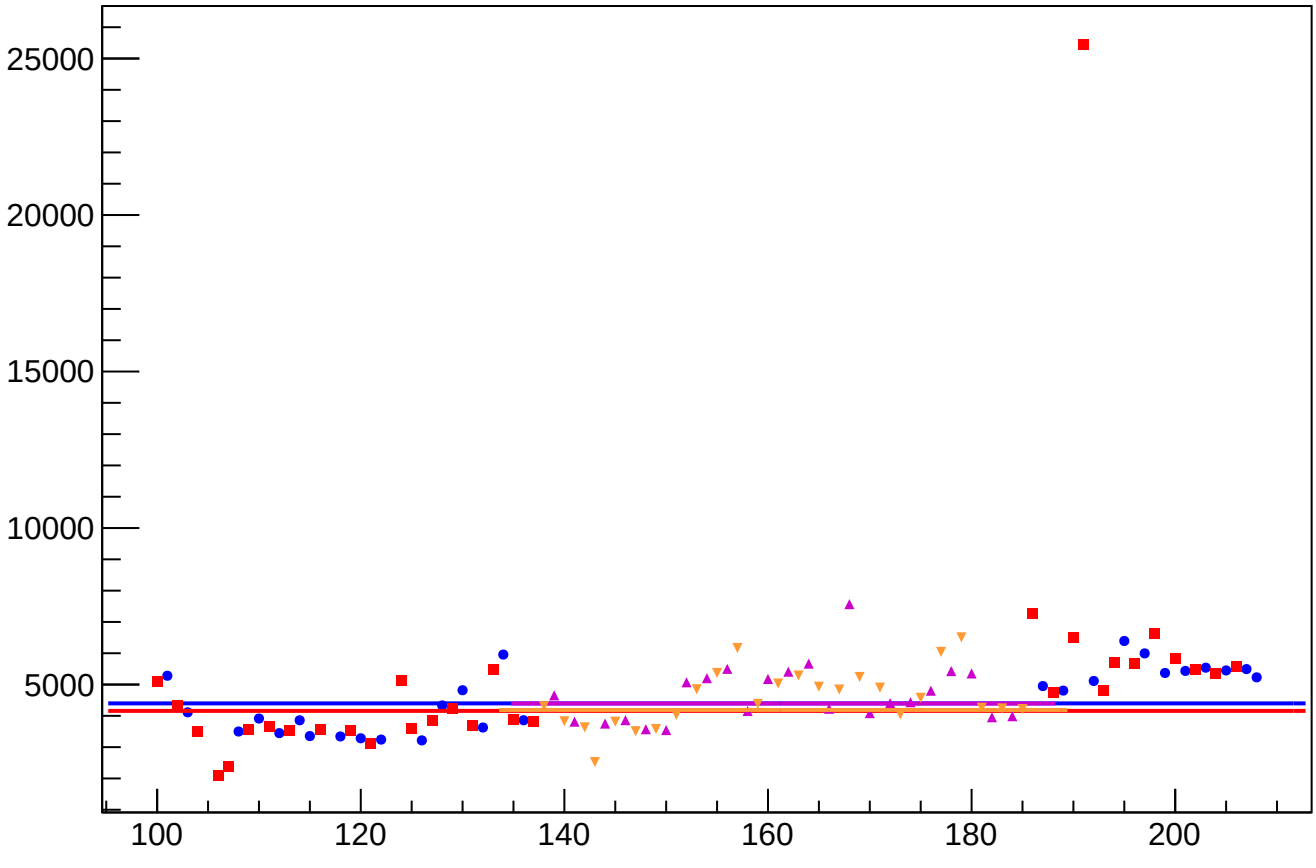
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1020.622+/-786.309 χ^2/NDF: 57.9/57

In: -454.392+/-768.688 χ^2/NDF:48.4/49

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -483.617+/-528.874 χ^2/NDF: 100.6/105



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

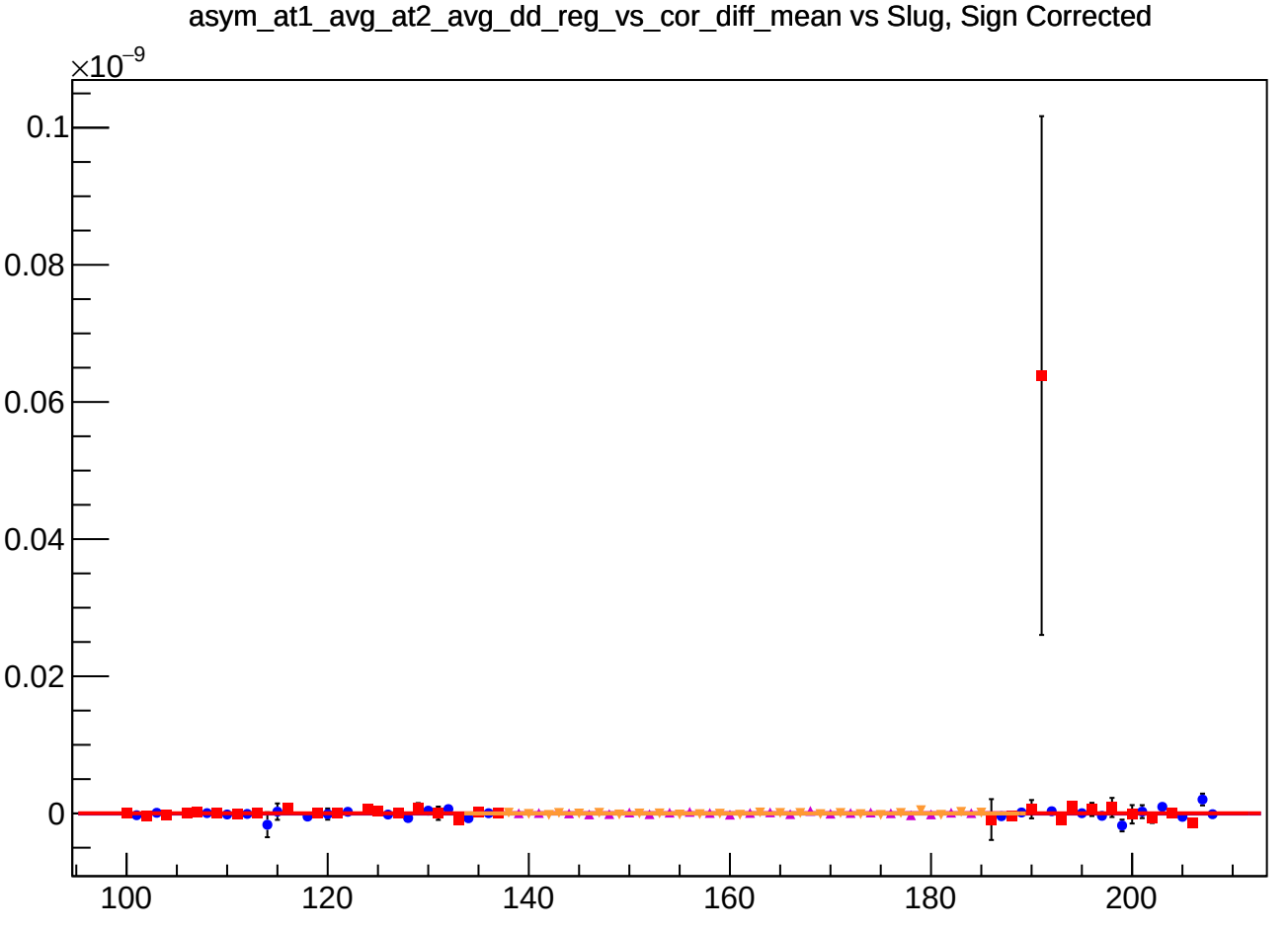
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4272.619+/-0.553 χ^2/NDF: 3955289.7/57

In: 4396.269+/-0.544 χ^2/NDF:2544413.4/49

Out: 4174.617+/-0.513 χ^2/NDF:4249512.4/55

All: 4279.086+/-0.373 χ^2/NDF: 6881842.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

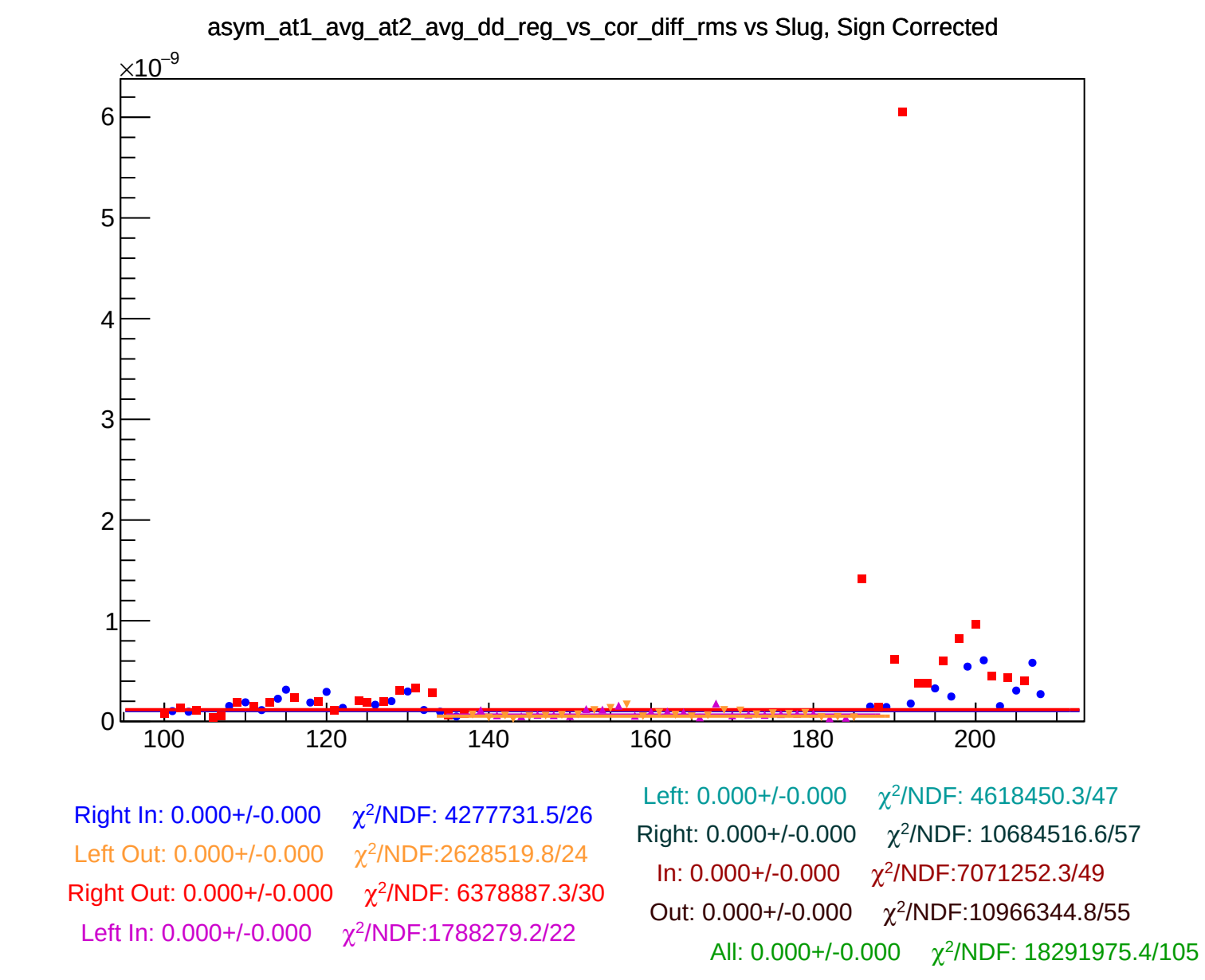
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/57

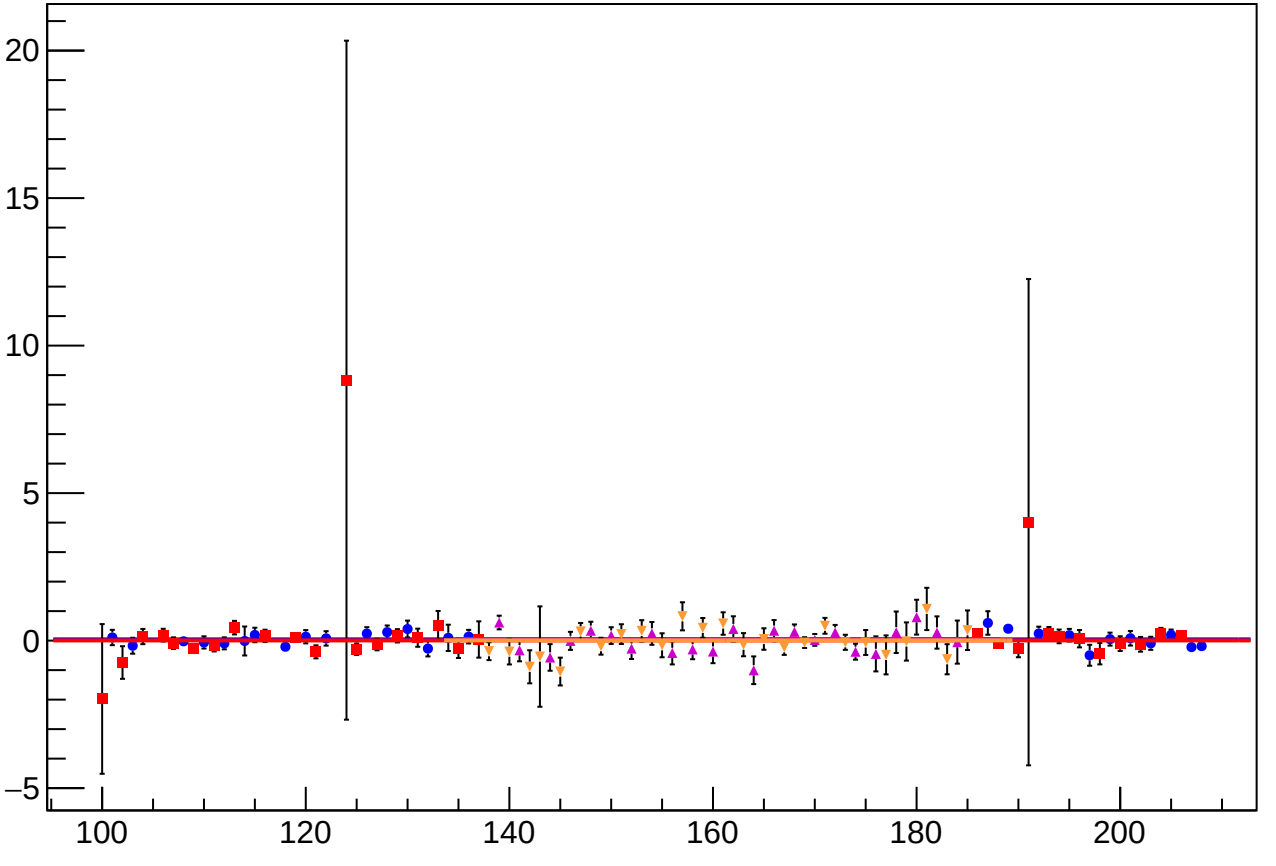
In: 0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 115.7/105


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6378887.3/30
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 10684516.6/57
In: 0.000+/-0.000 χ²/NDF:7071252.3/49
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 18291975.4/105

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

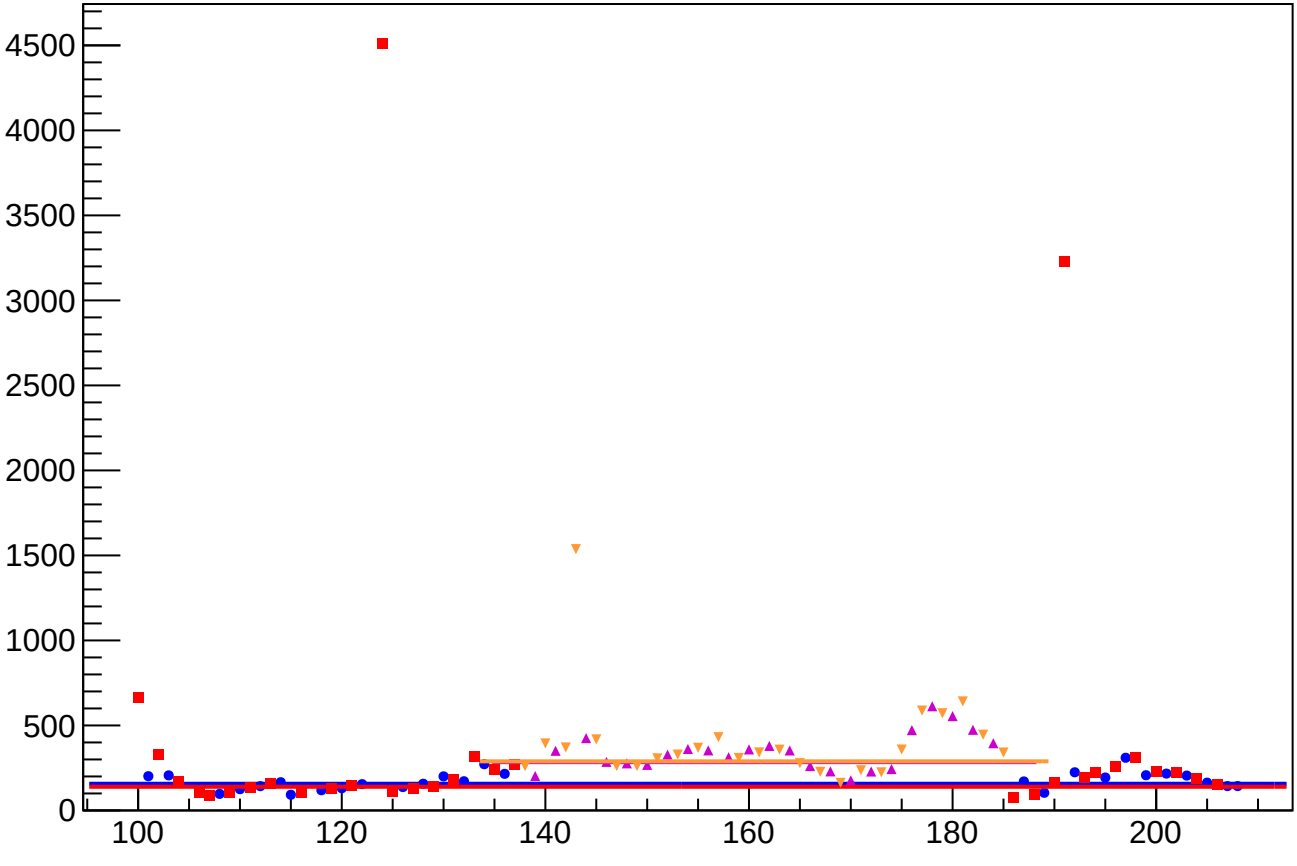
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

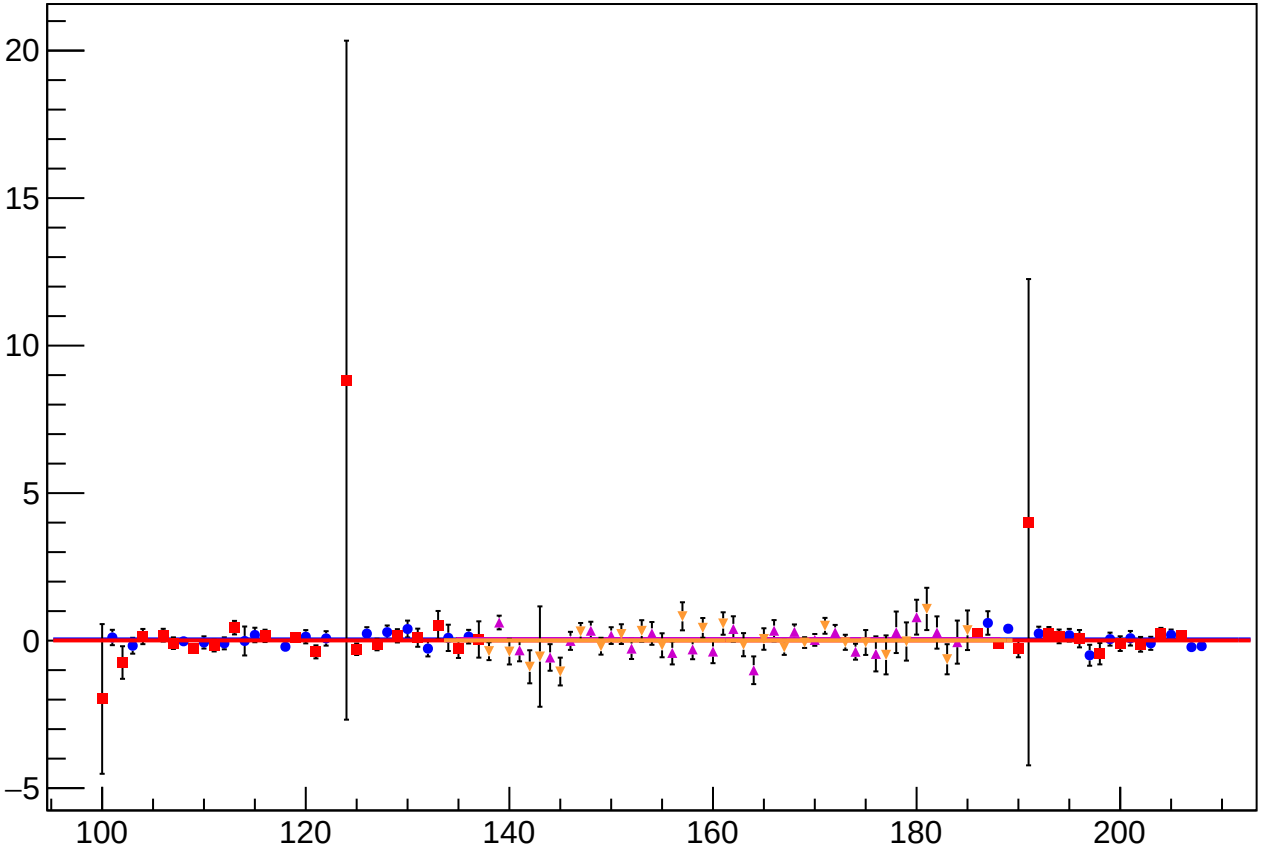
Right: 147.440+/-0.020 χ^2/NDF: 7121018.1/57

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

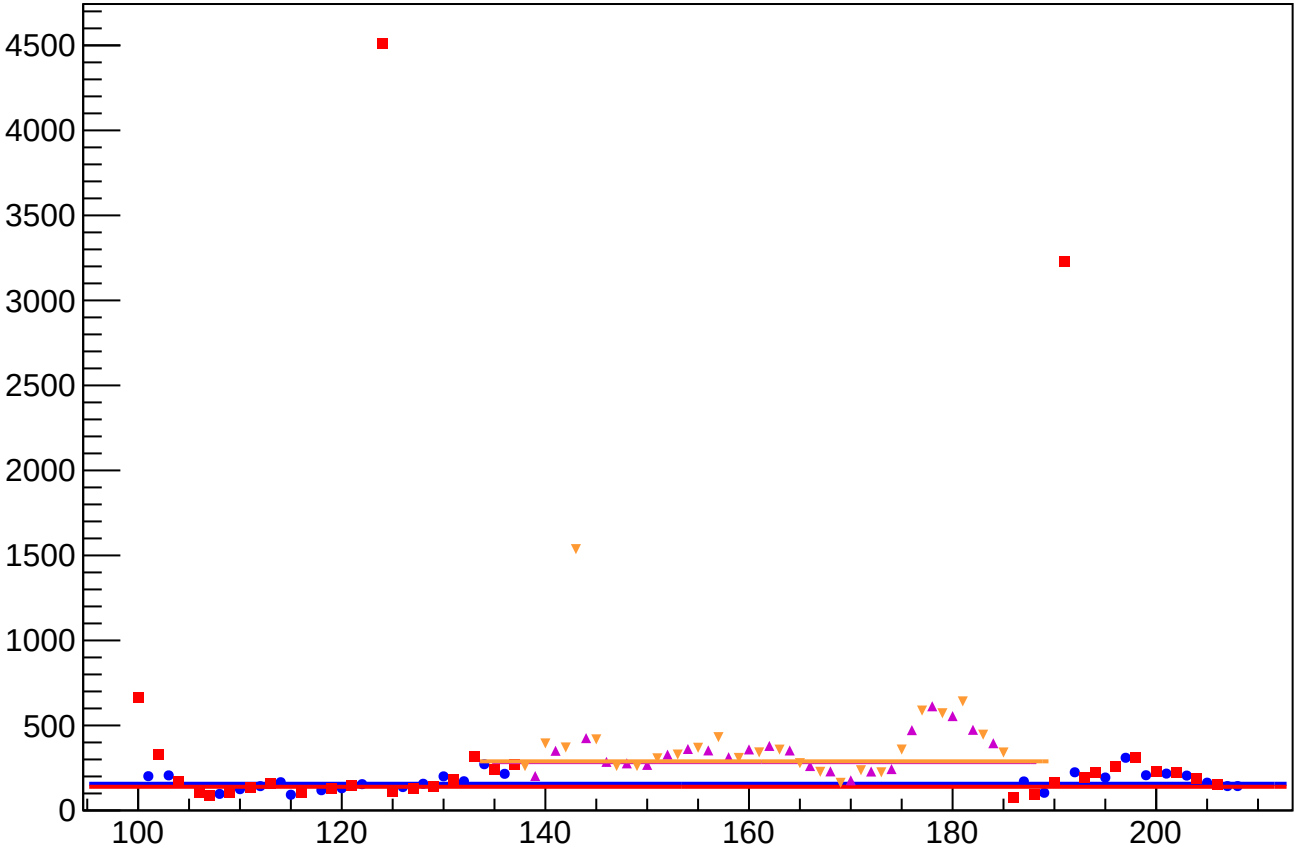
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

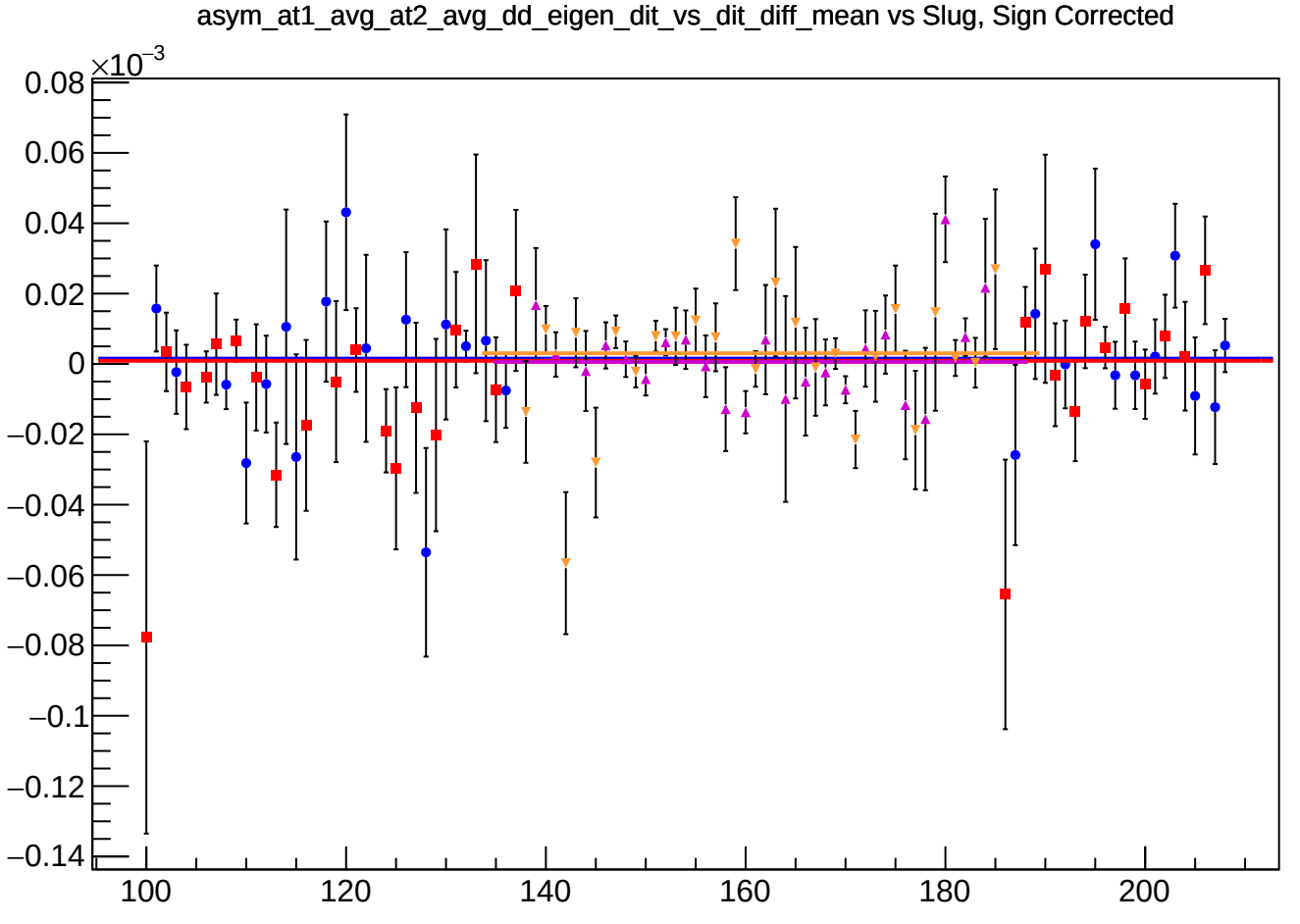
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.440+/-0.020 χ^2/NDF: 7121018.1/57

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

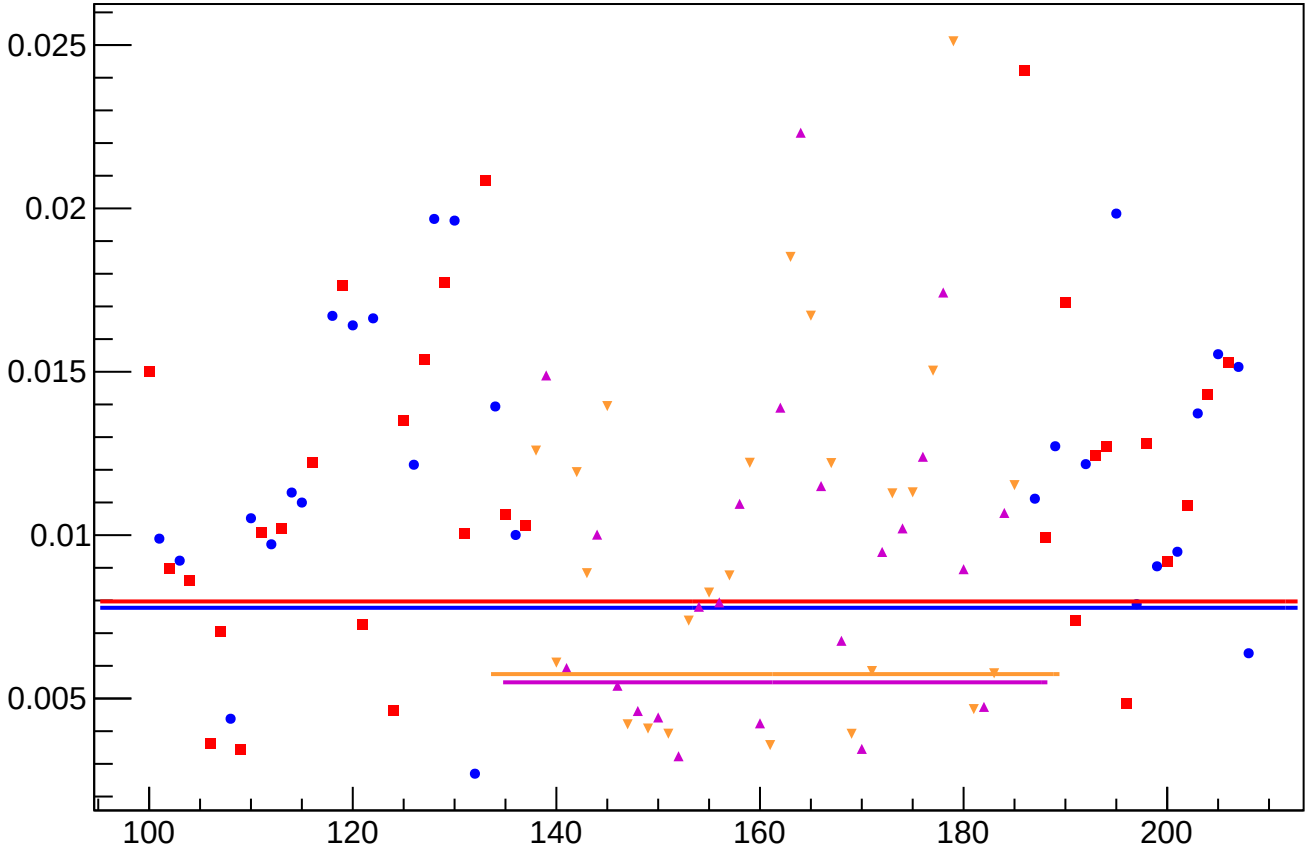
Right: 0.000+/-0.000 χ^2/NDF: 53.4/57

In: 0.000+/-0.000 χ^2/NDF:57.9/49

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 130.3/105

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

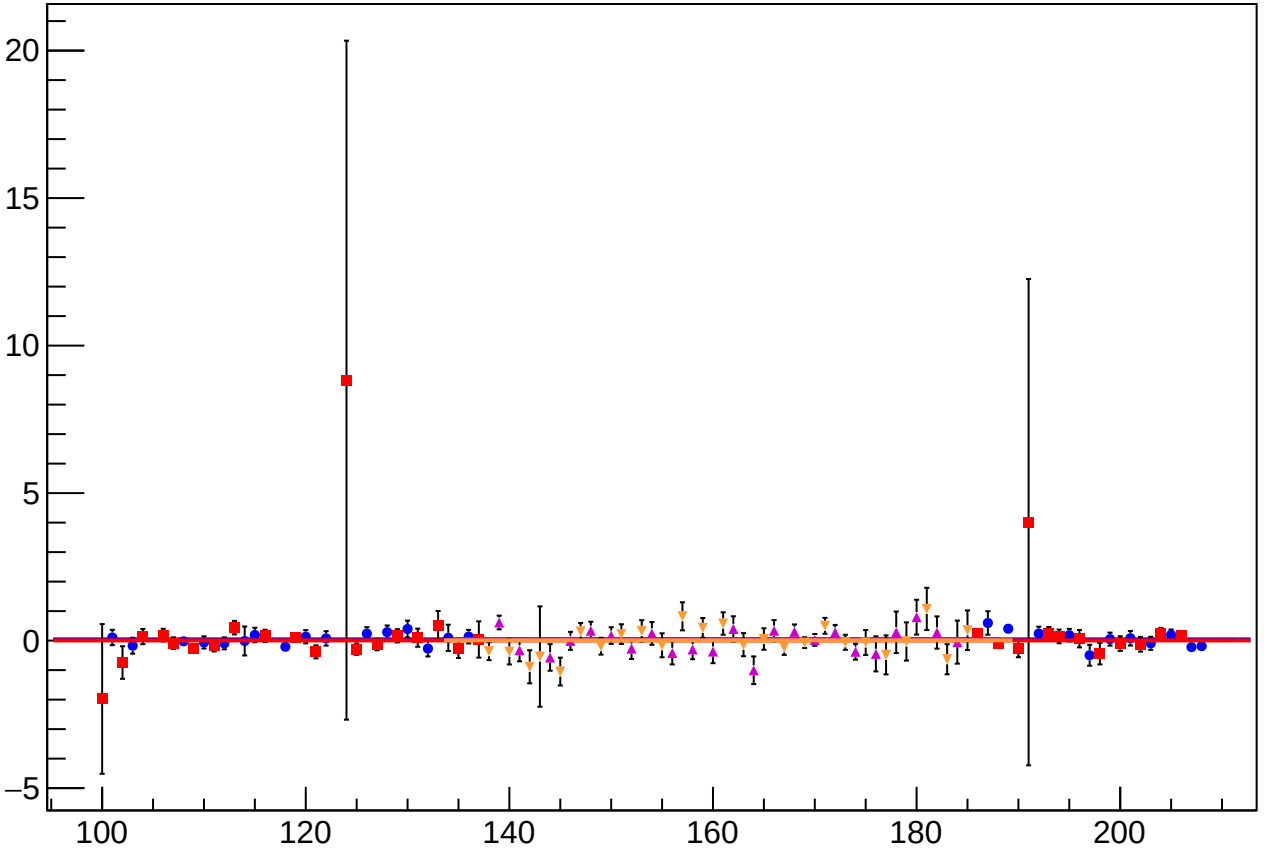
Right: 0.008+/-0.000 χ^2/NDF: 13917132.3/57

In: 0.006+/-0.000 χ^2/NDF:15801355.3/49

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31728076.9/105

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

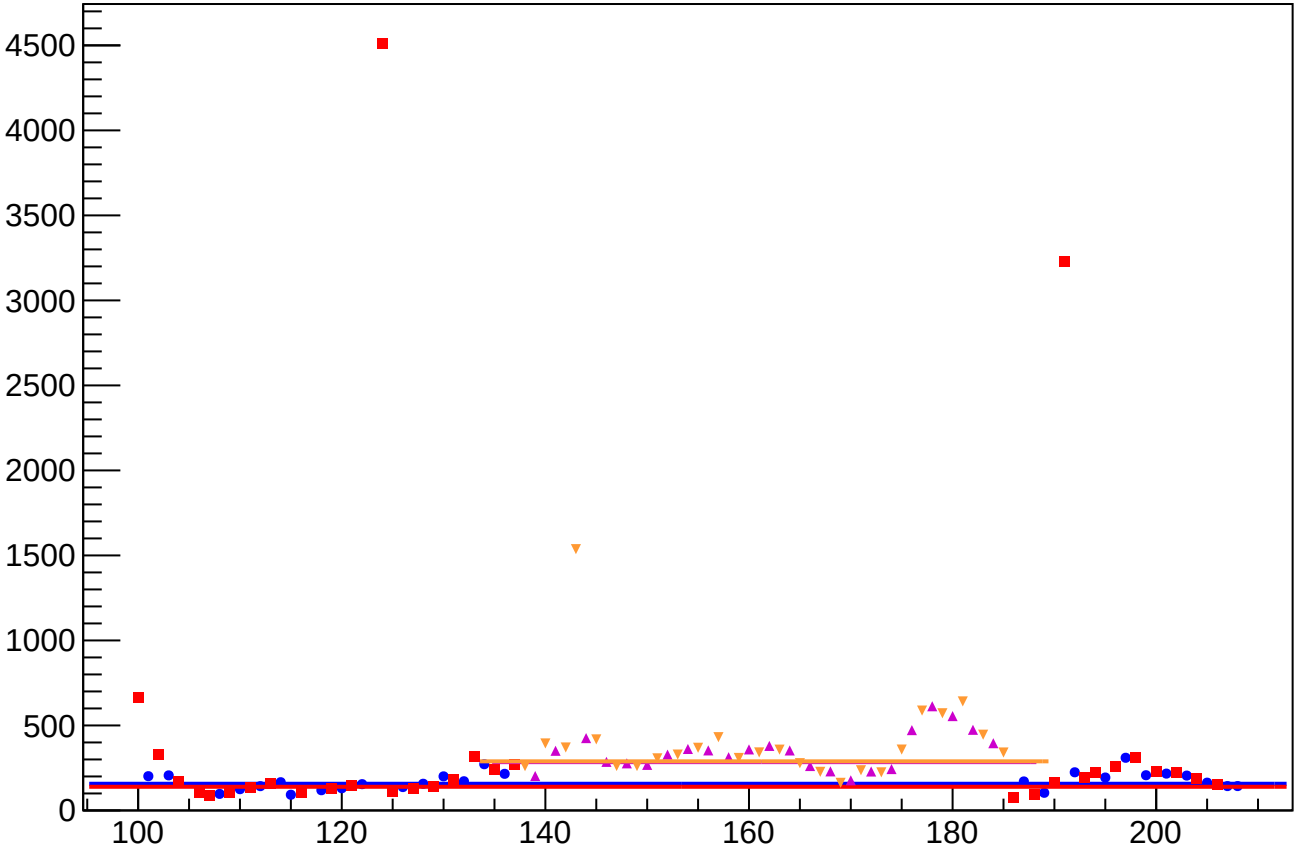
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

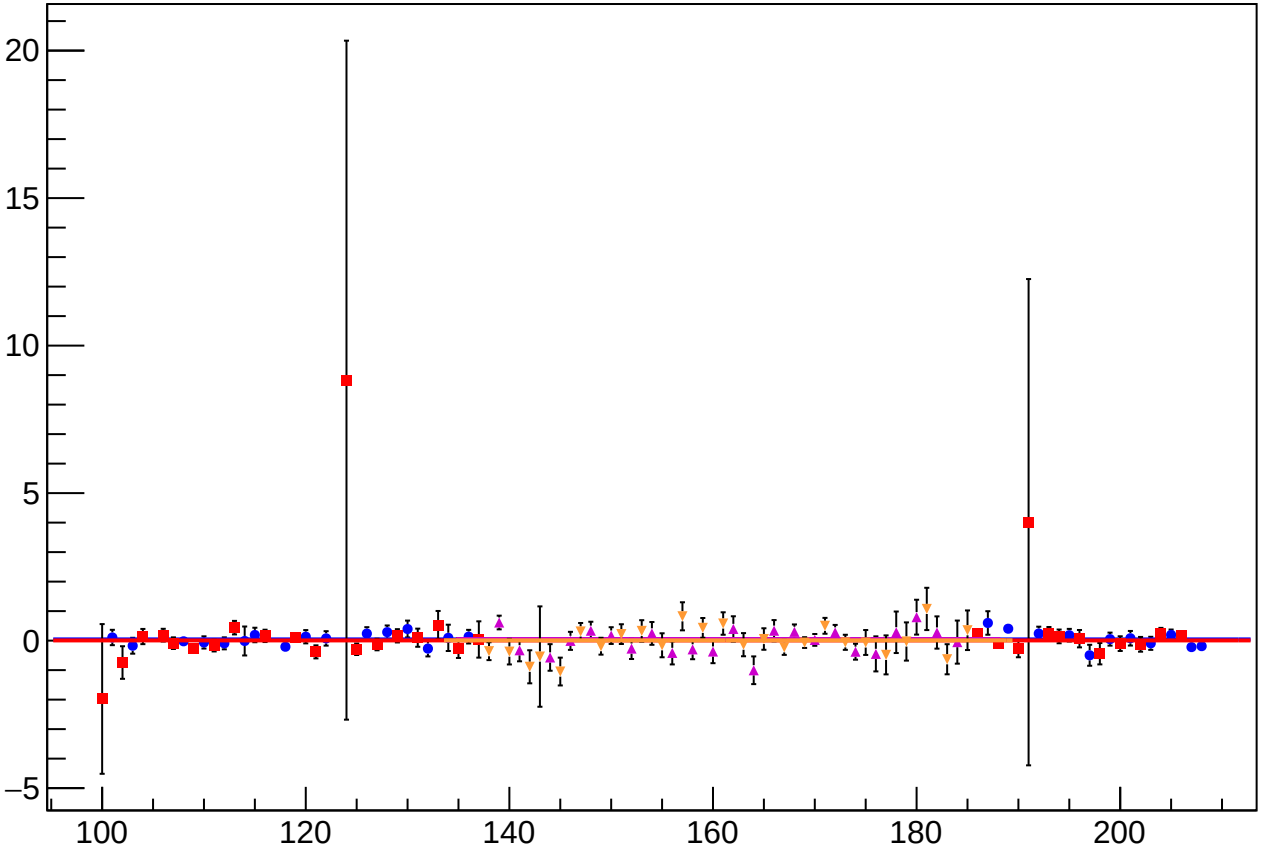
Right: 147.441+/-0.020 χ^2/NDF: 7120804.8/57

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

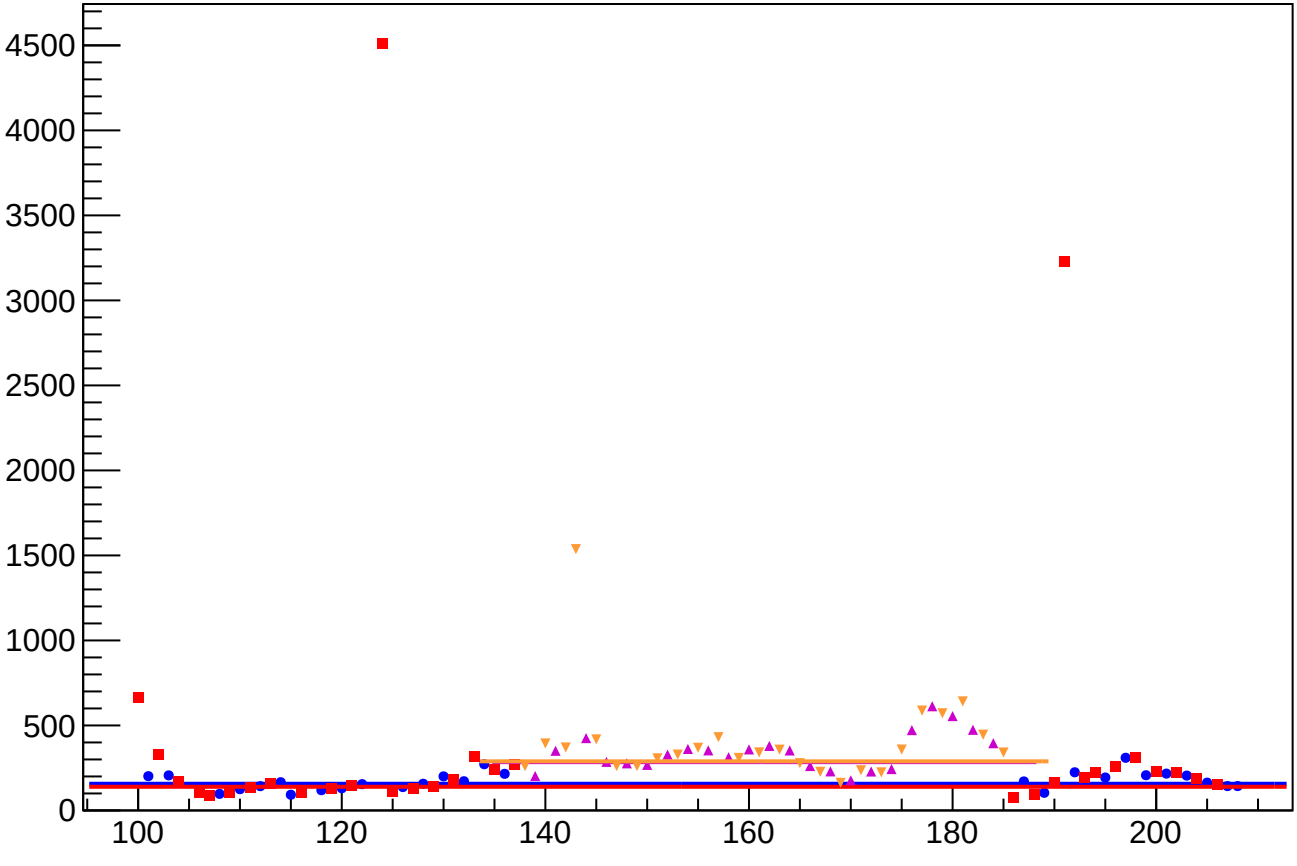
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

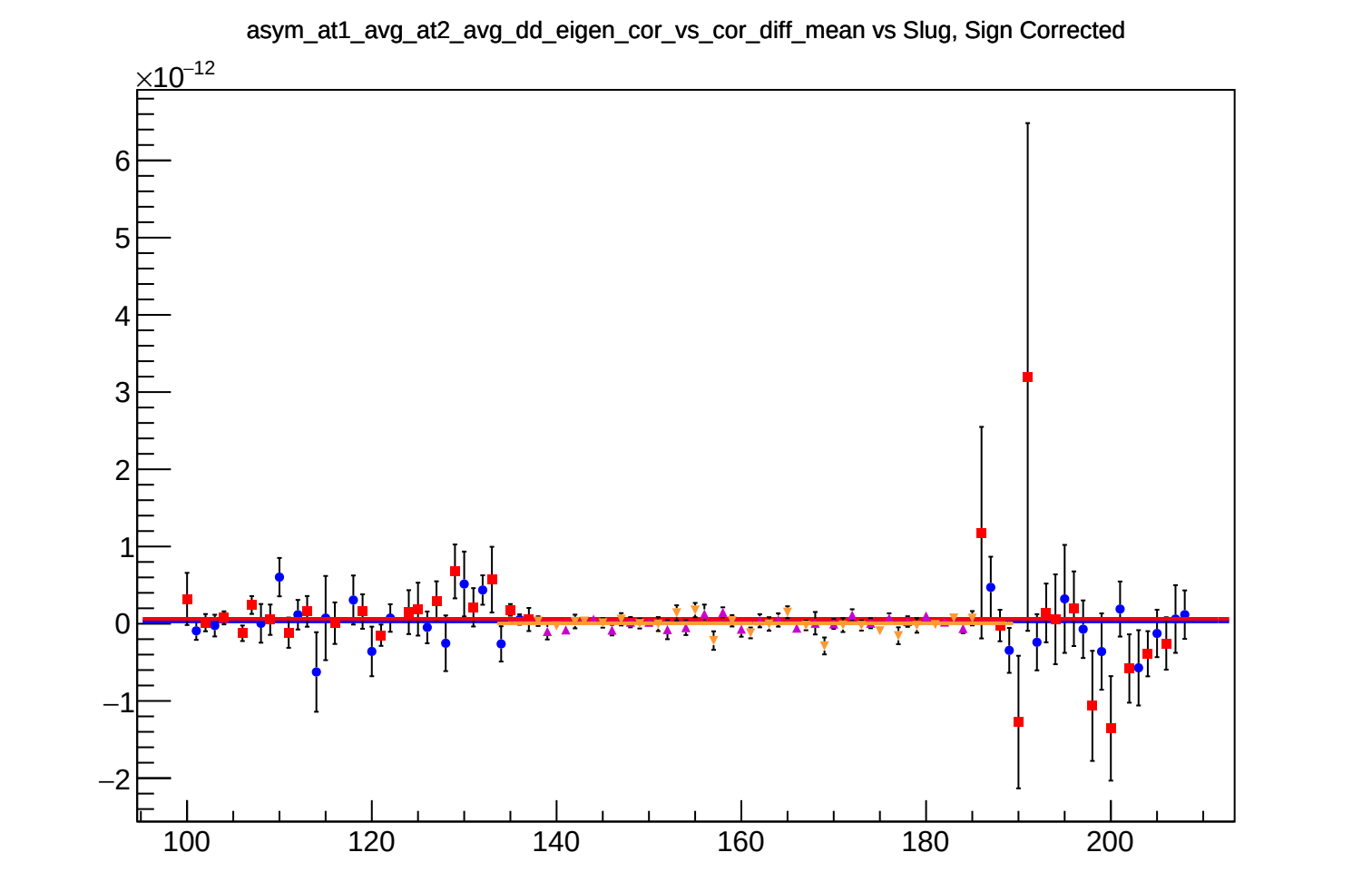
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.441+/-0.020 χ^2/NDF: 7120804.8/57

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

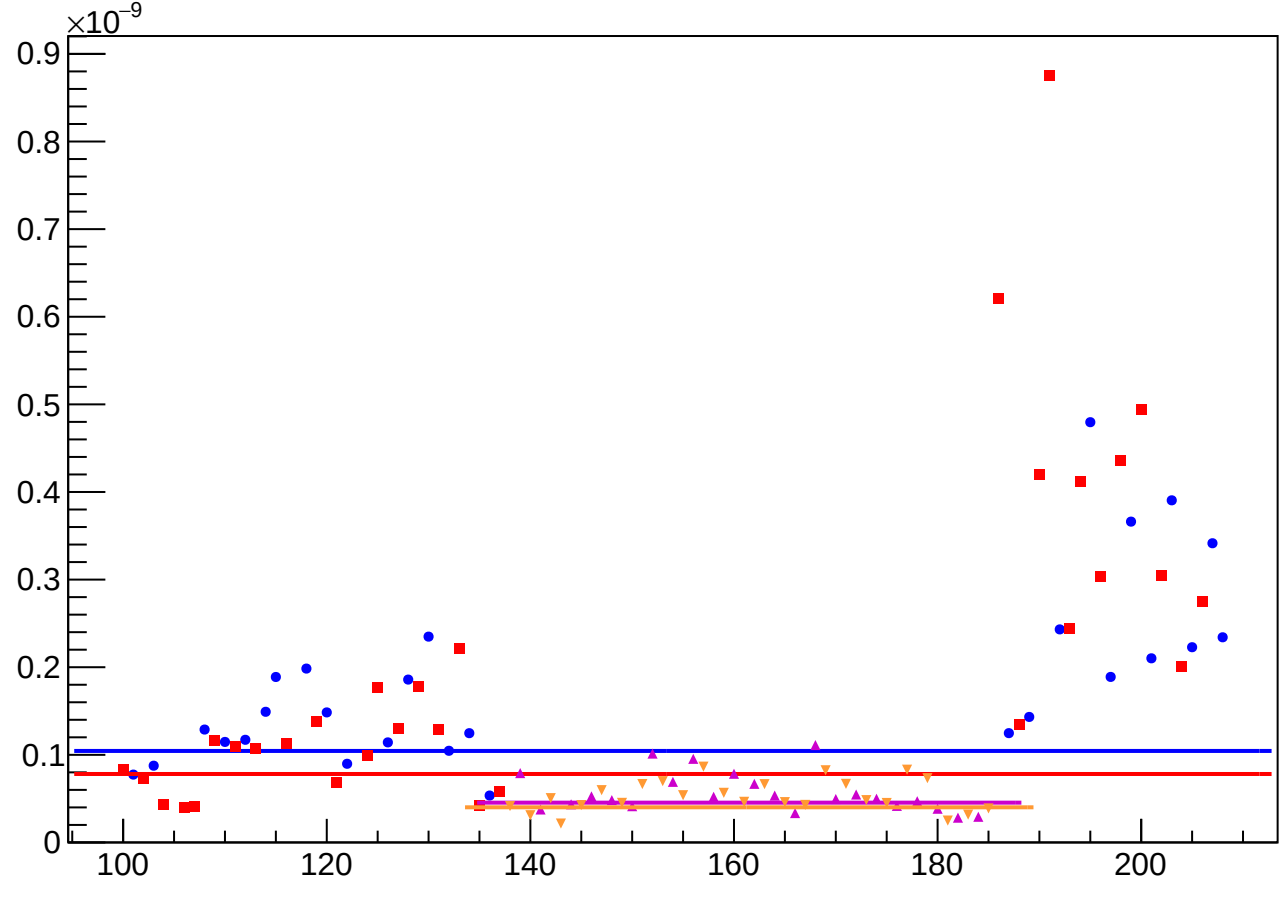
Right: 0.000+/-0.000 χ^2/NDF: 61.1/57

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.9/105

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: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

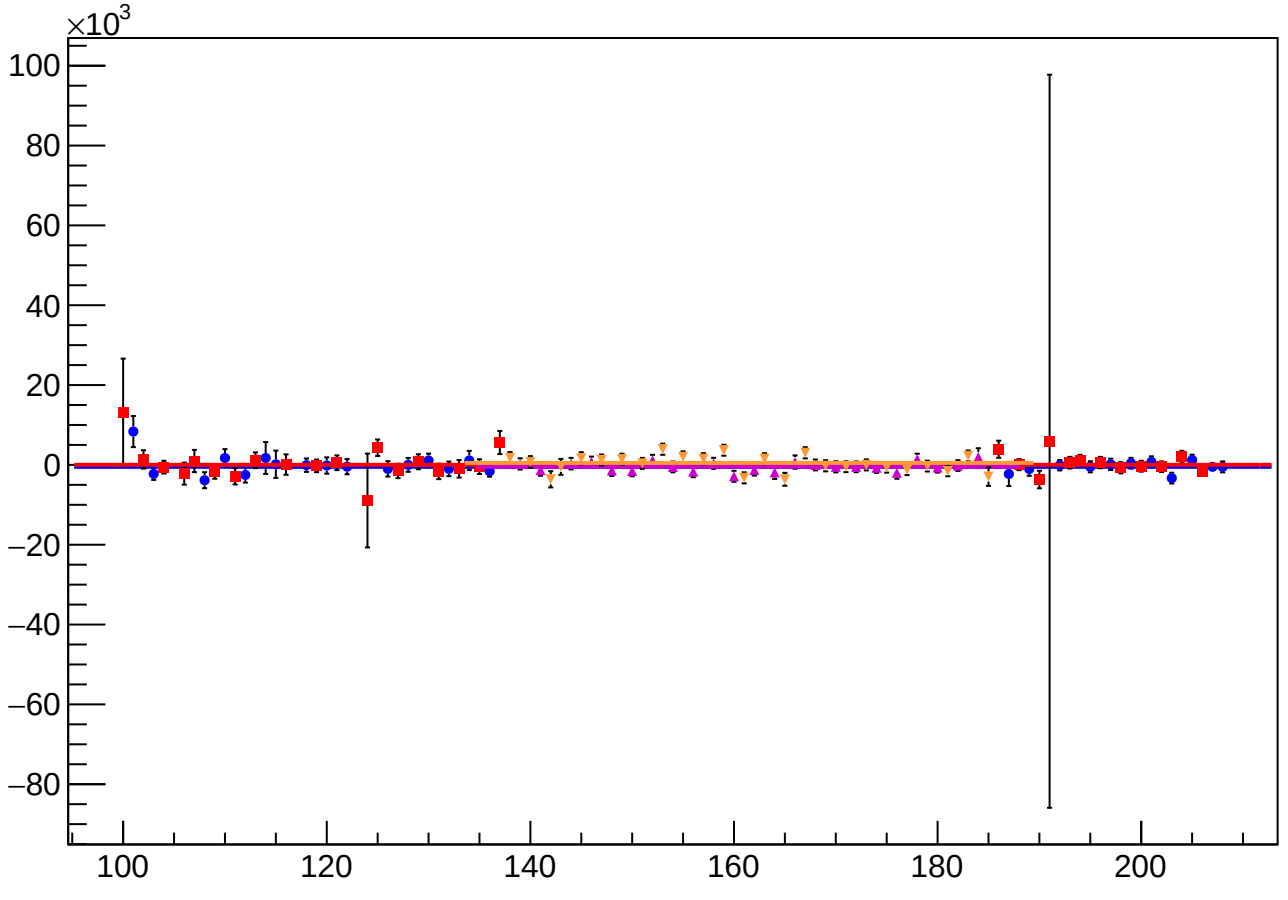
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13720155.2/57

In: 0.000+/-0.000 χ^2/NDF:12262093.7/49

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 26150673.6/105



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 18.212+/-323.963 χ^2/NDF: 28.0/30

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

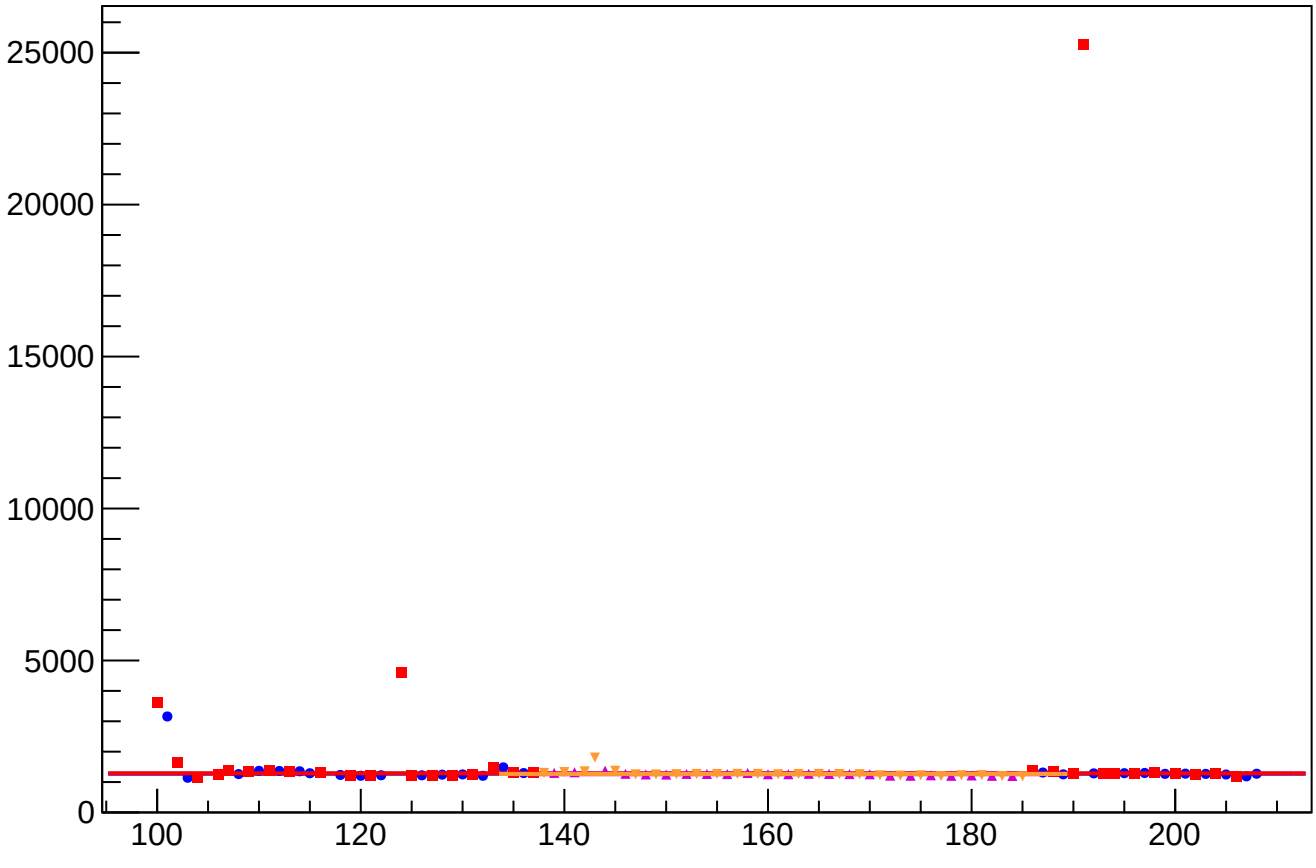
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -230.687+/-228.930 χ^2/NDF: 51.1/57

In: -483.264+/-217.494 χ^2/NDF:36.3/49

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -96.773+/-153.064 χ^2/NDF: 118.7/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

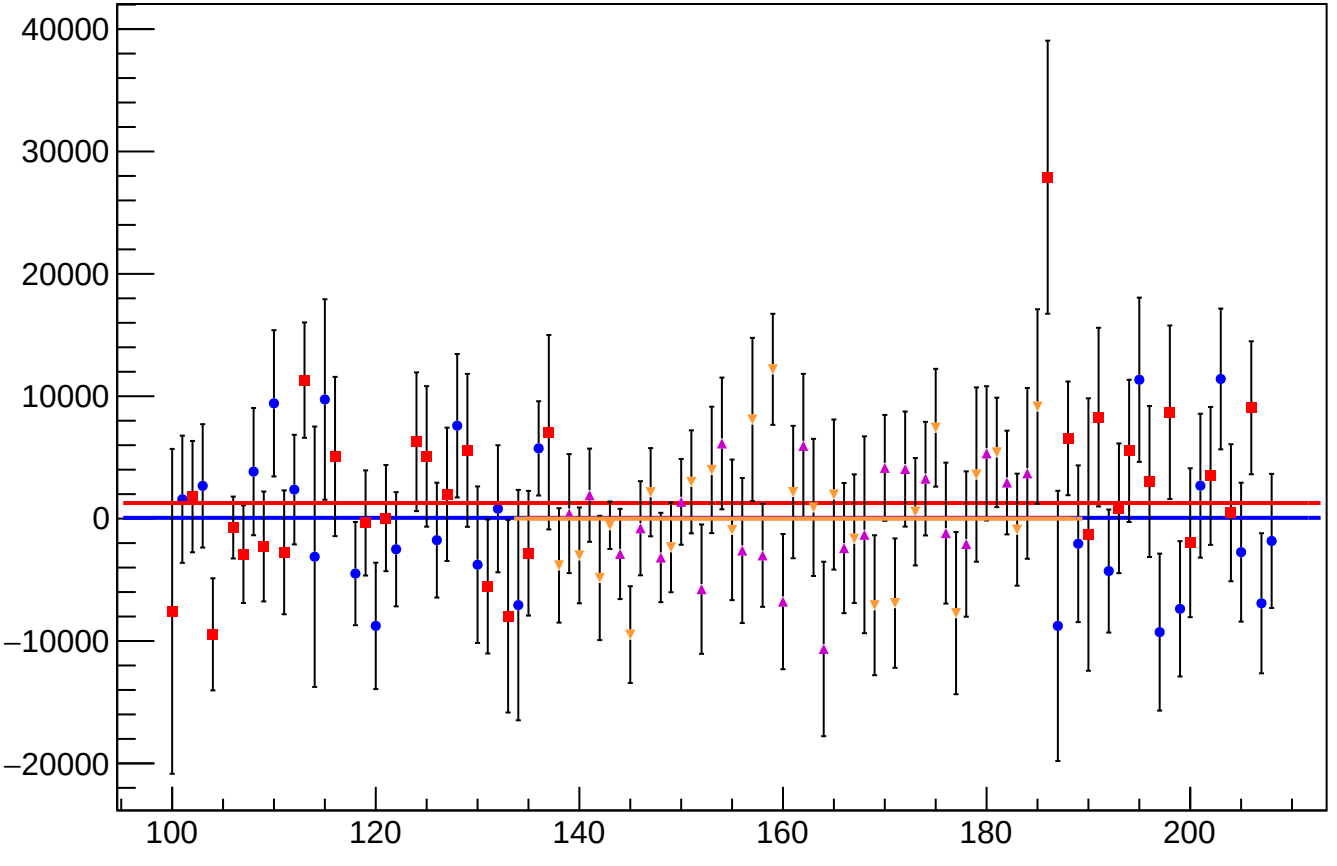
Right: 1282.009+/-0.162 χ^2/NDF: 1011857.2/57

In: 1265.984+/-0.154 χ^2/NDF:568804.6/49

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1271.141+/-0.108 χ^2/NDF: 1245430.1/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

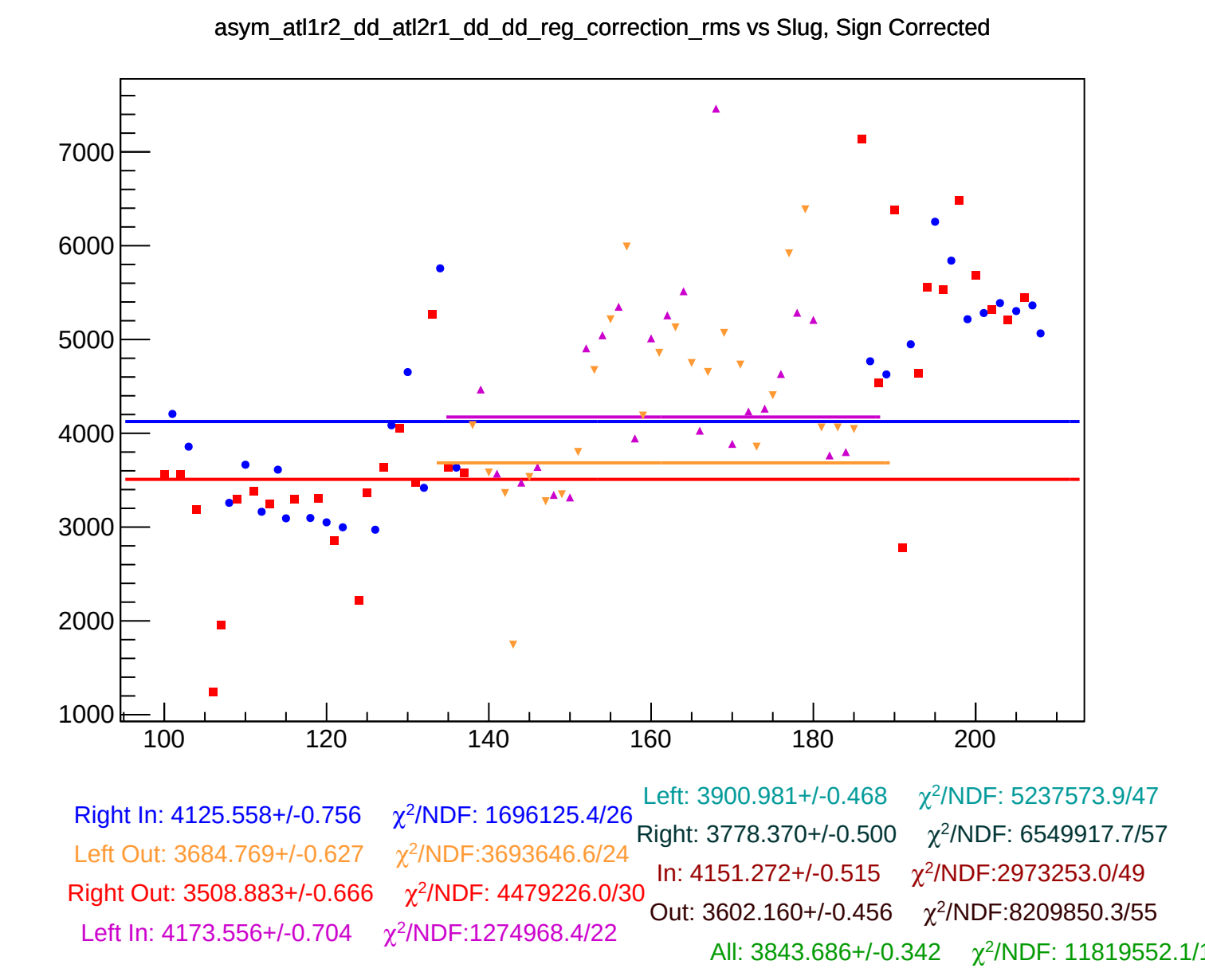
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

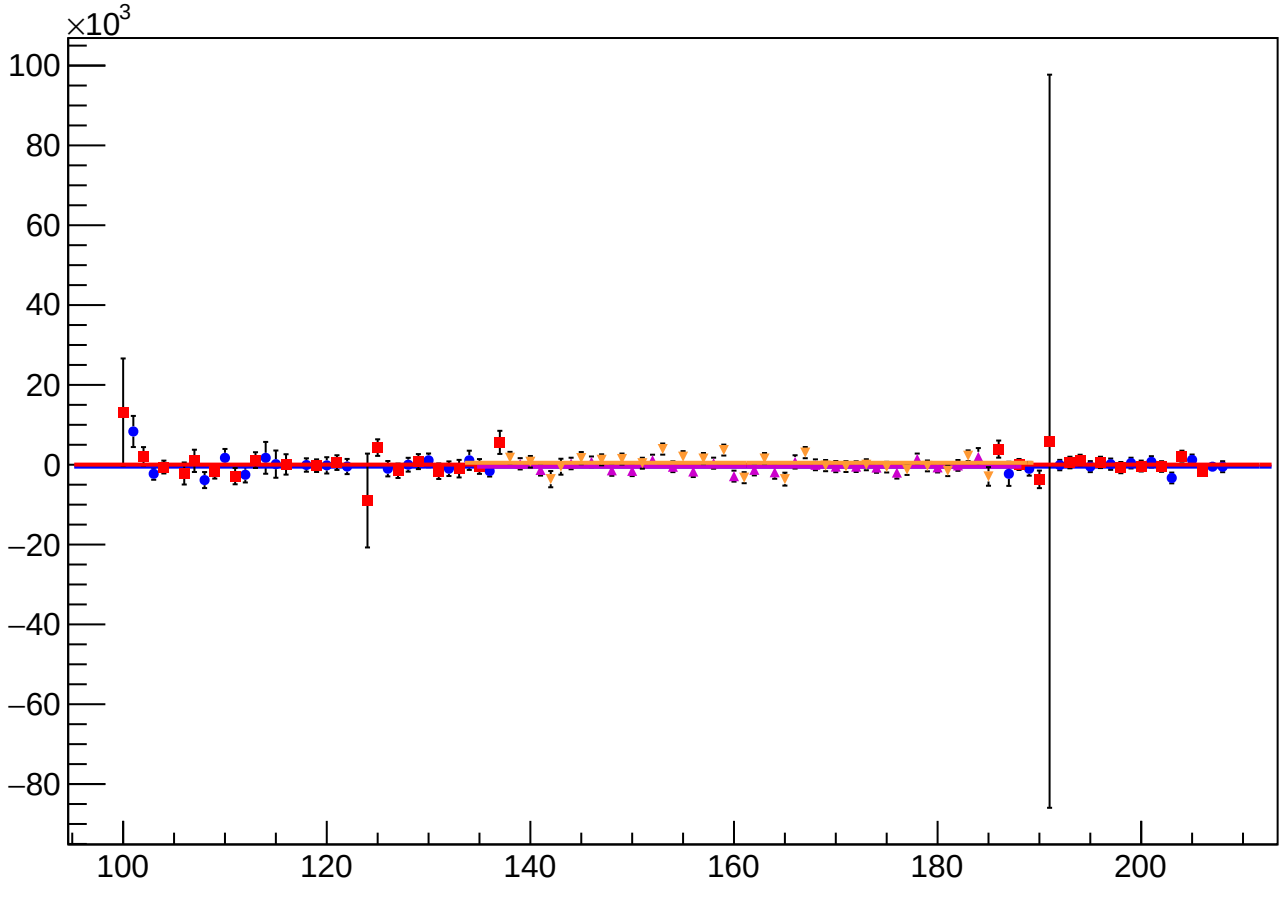
Right: 745.014+/-706.809 χ^2/NDF: 61.4/57

In: 46.280+/-728.529 χ^2/NDF:42.6/49

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 355.407+/-483.168 χ^2/NDF: 105.0/105


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4125.558+/-0.756 χ²/NDF: 1696125.4/26
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3508.883+/-0.666 χ²/NDF: 4479226.0/30
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3778.370+/-0.500 χ²/NDF: 6549917.7/57
In: 4151.272+/-0.515 χ²/NDF:2973253.0/49
Out: 3602.160+/-0.456 χ²/NDF:8209850.3/55
All: 3843.686+/-0.342 χ²/NDF: 11819552.1/



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

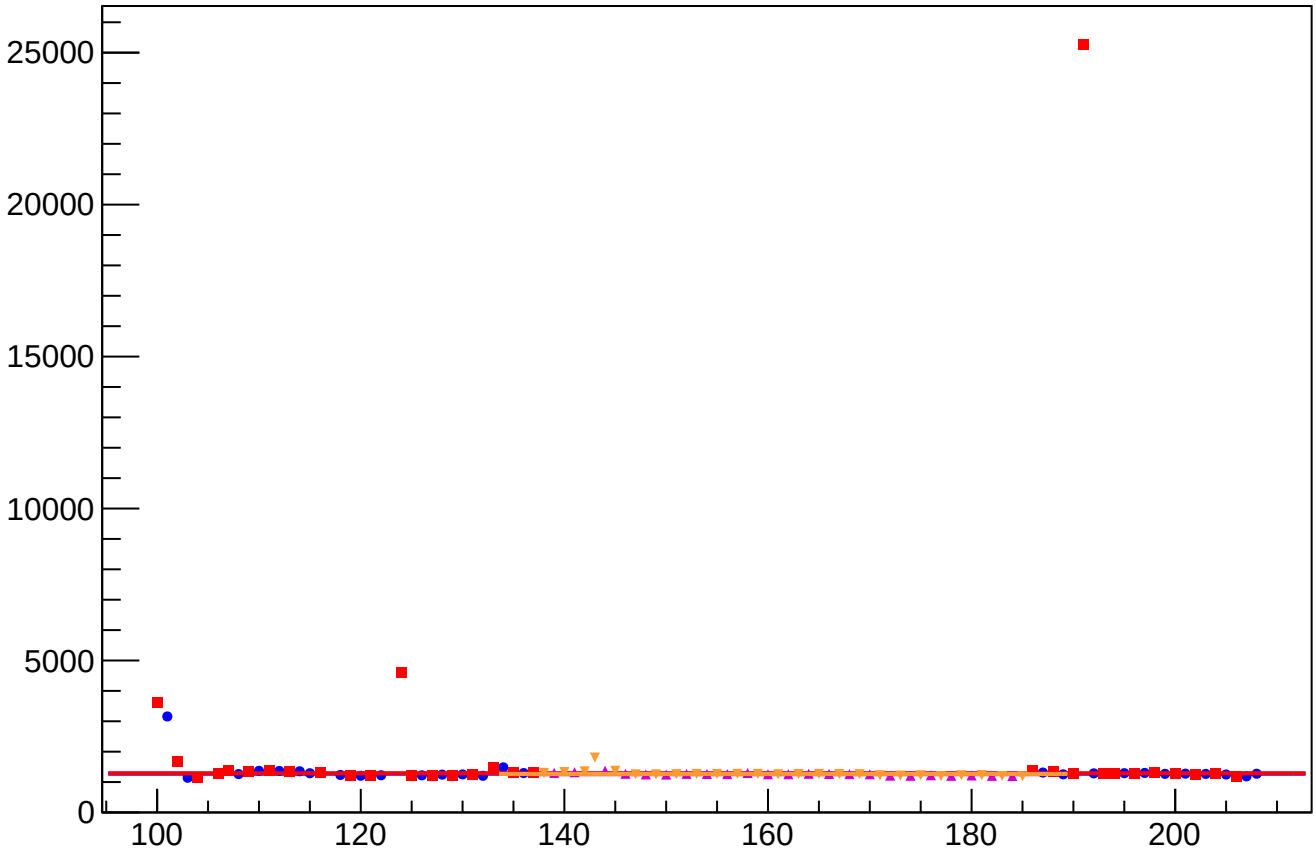
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -224.427+/-228.963 χ^2/NDF: 51.6/57

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -93.925+/-153.074 χ^2/NDF: 119.2/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

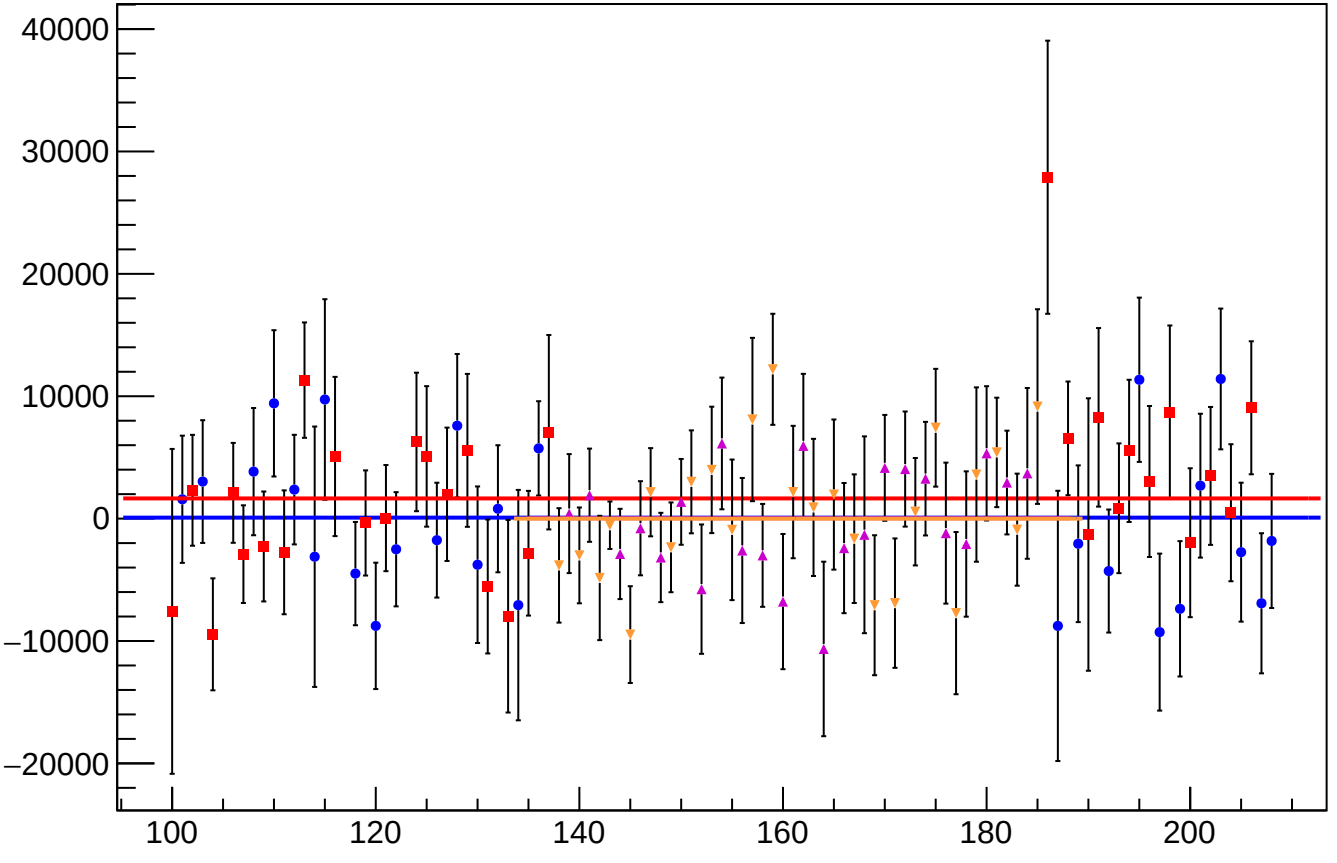
Right: 1282.446+/-0.162 χ^2/NDF: 1018981.2/57

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

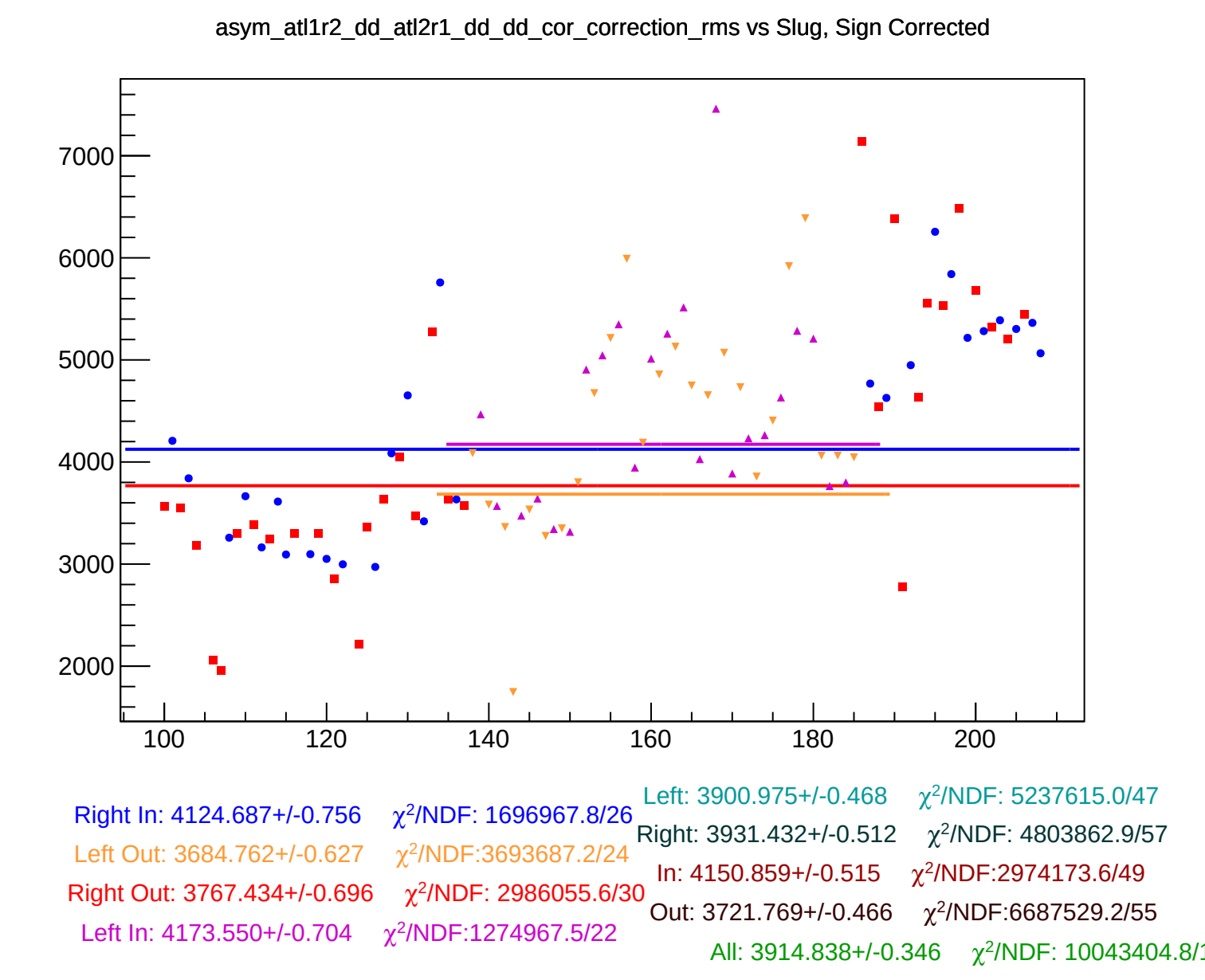
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

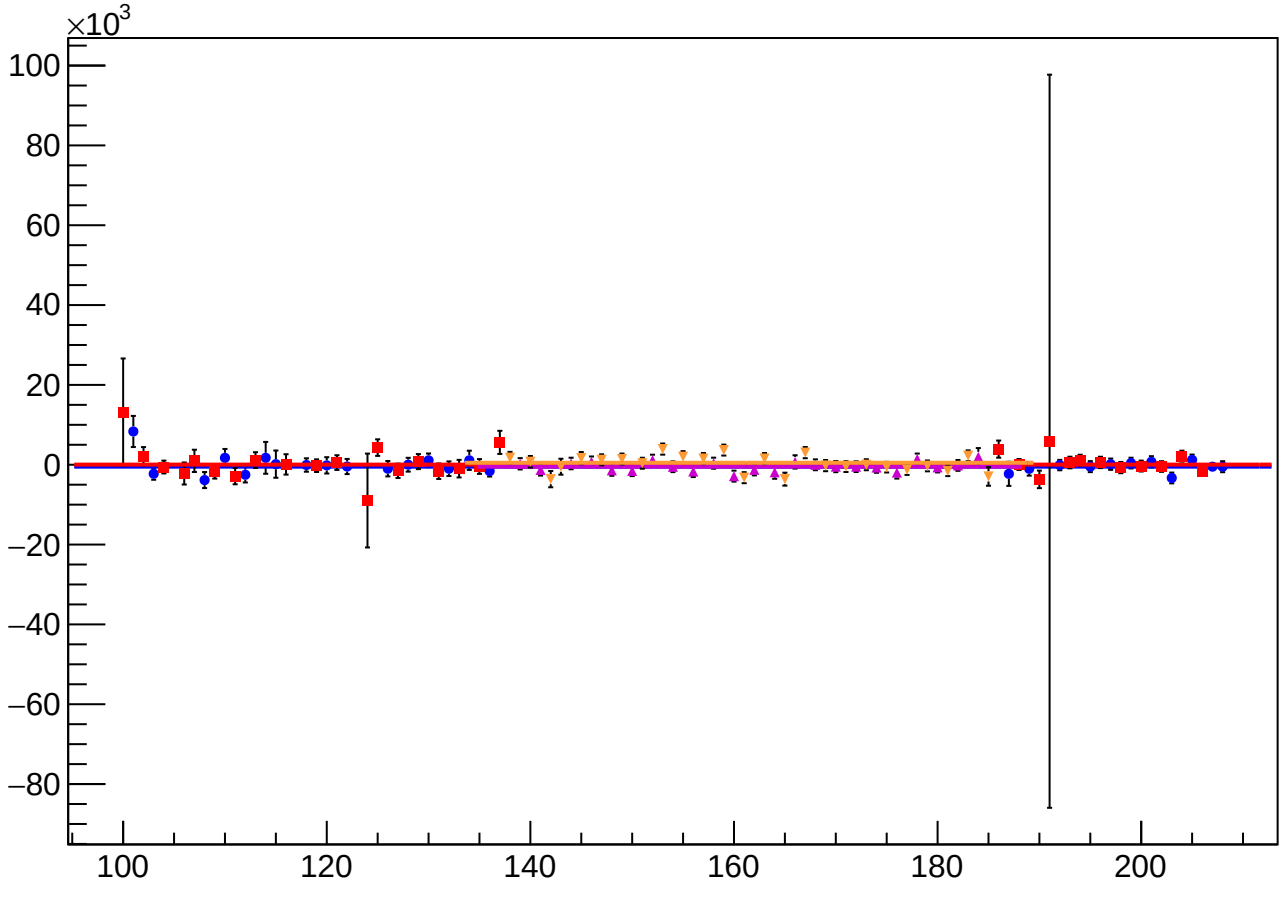
Right: 929.281+/-724.261 χ^2/NDF: 61.2/57

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 430.435+/-488.634 χ^2/NDF: 105.2/105


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4124.687+/-0.756 χ²/NDF: 1696967.8/26
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3767.434+/-0.696 χ²/NDF: 2986055.6/30
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3931.432+/-0.512 χ²/NDF: 4803862.9/57
In: 4150.859+/-0.515 χ²/NDF:2974173.6/49
Out: 3721.769+/-0.466 χ²/NDF:6687529.2/55
All: 3914.838+/-0.346 χ²/NDF: 10043404.8/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

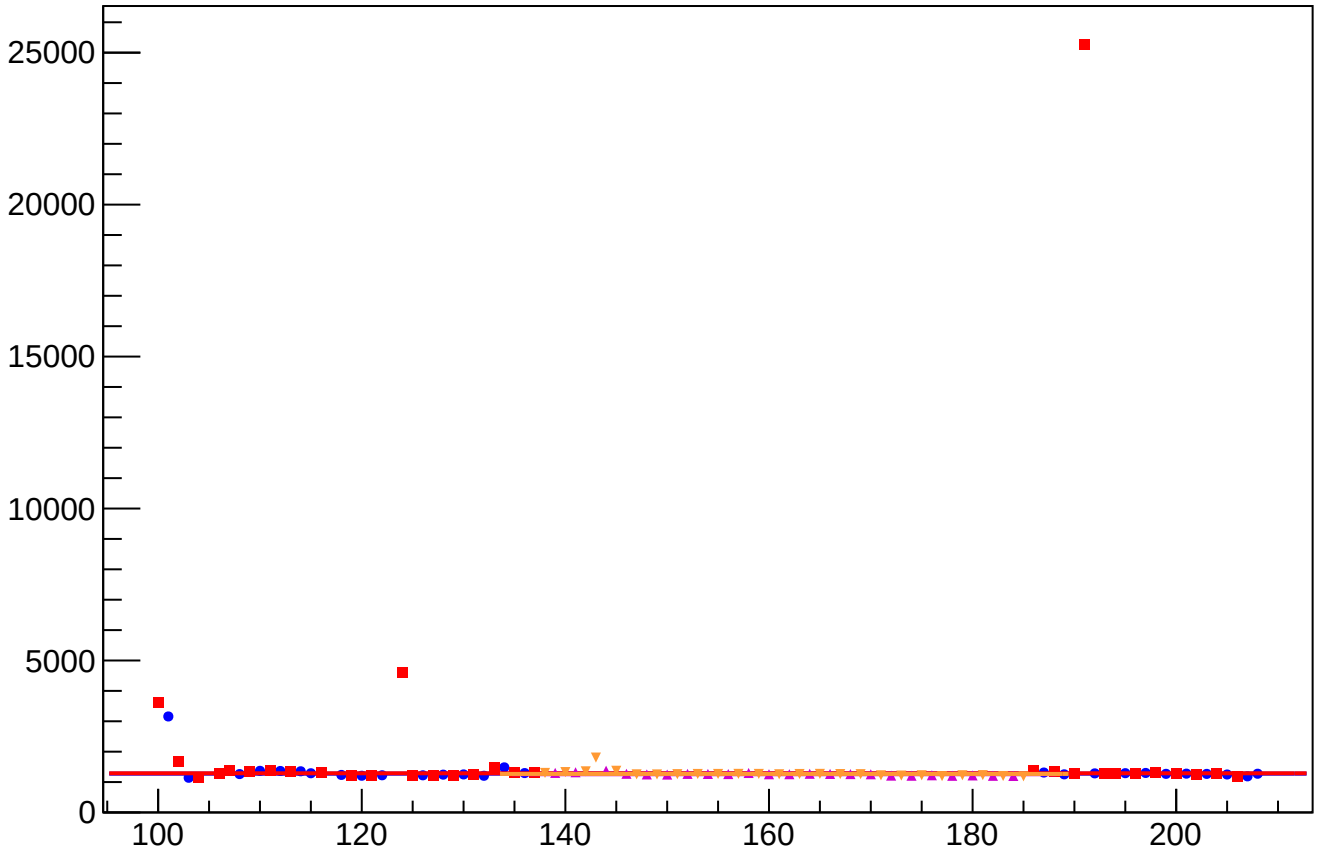
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -224.427+/-228.963 χ^2/NDF: 51.6/57

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -93.925+/-153.074 χ^2/NDF: 119.2/105



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

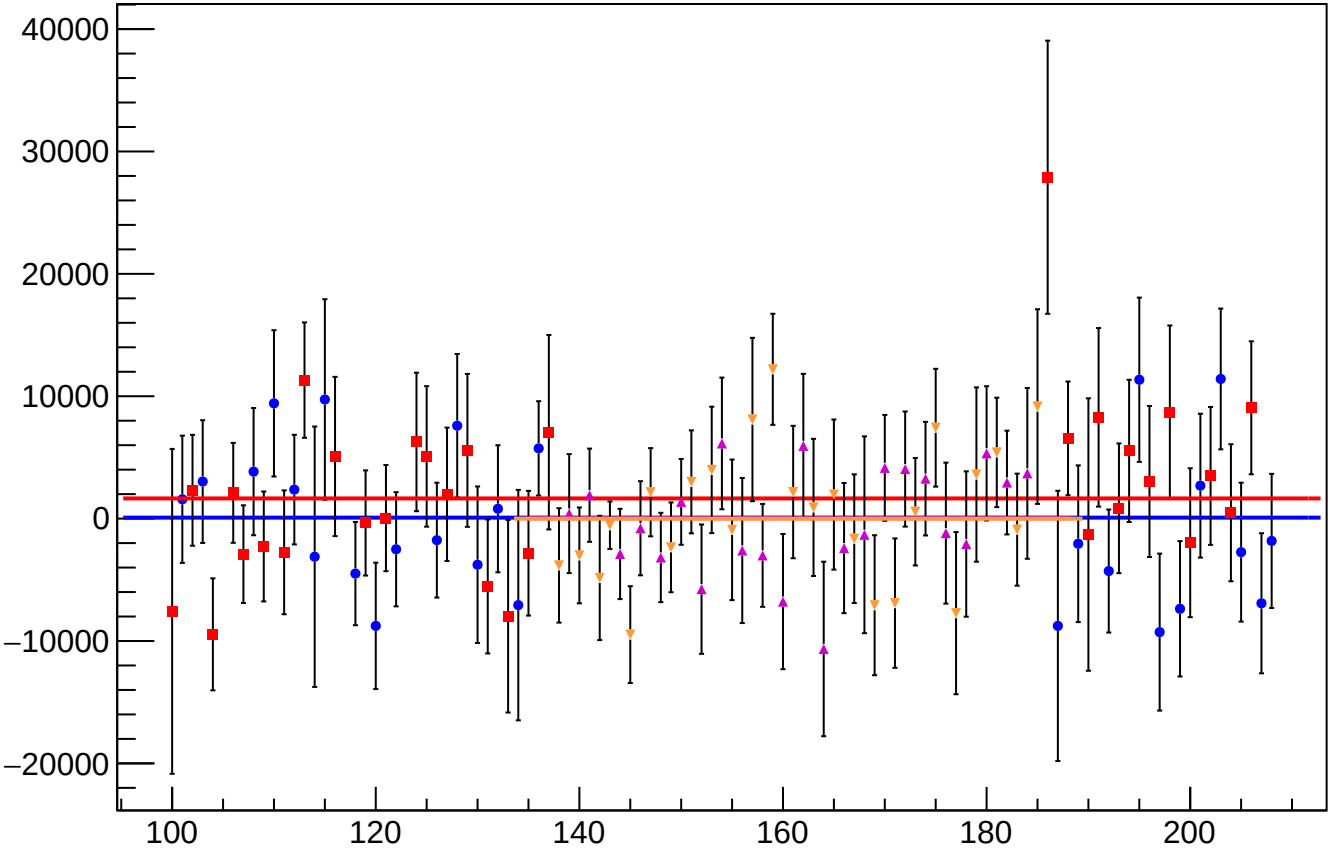
Right: 1282.446+/-0.162 χ^2/NDF: 1018981.2/57

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.333+/-0.108 χ^2/NDF: 1252918.1/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

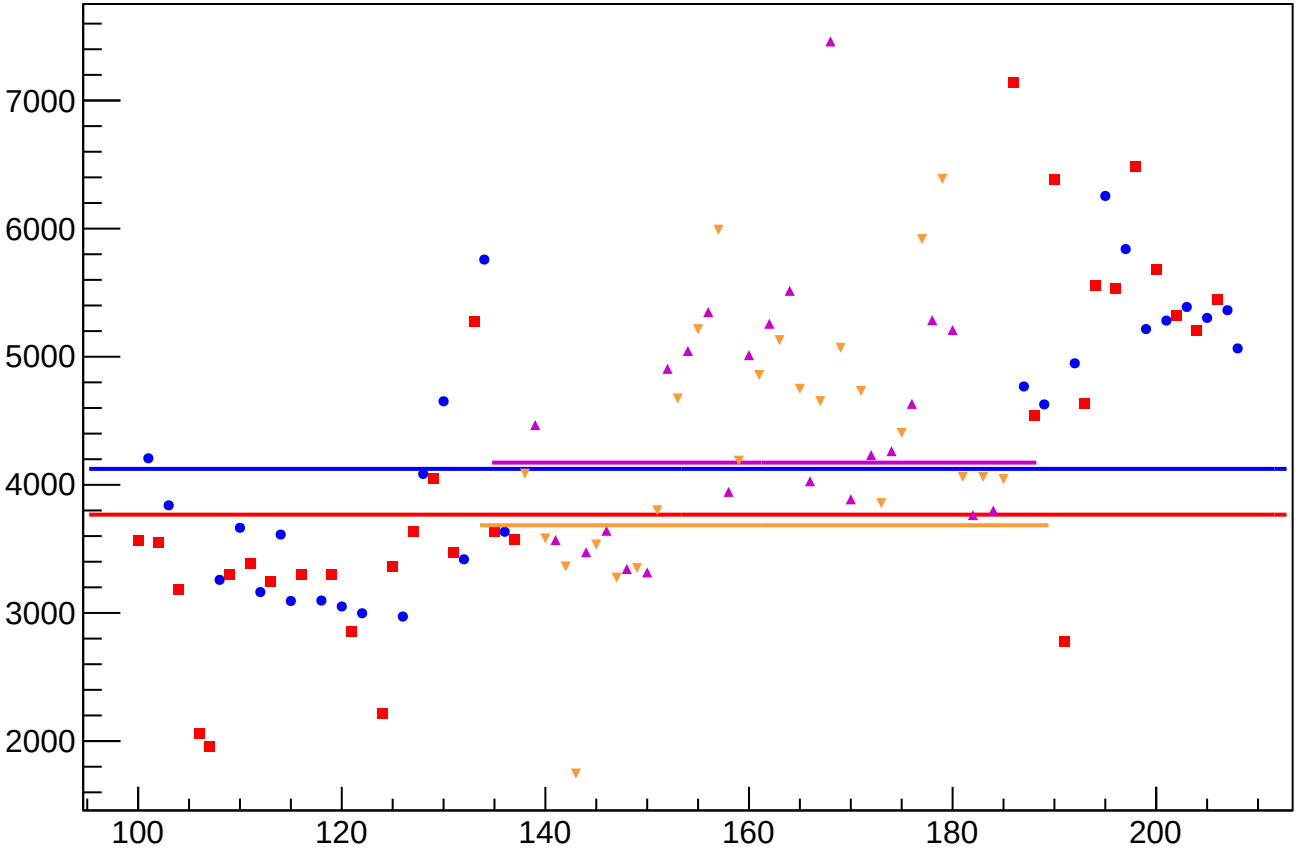
Right: 929.281+/-724.261 χ^2/NDF: 61.2/57

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 430.435+/-488.634 χ^2/NDF: 105.2/105

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

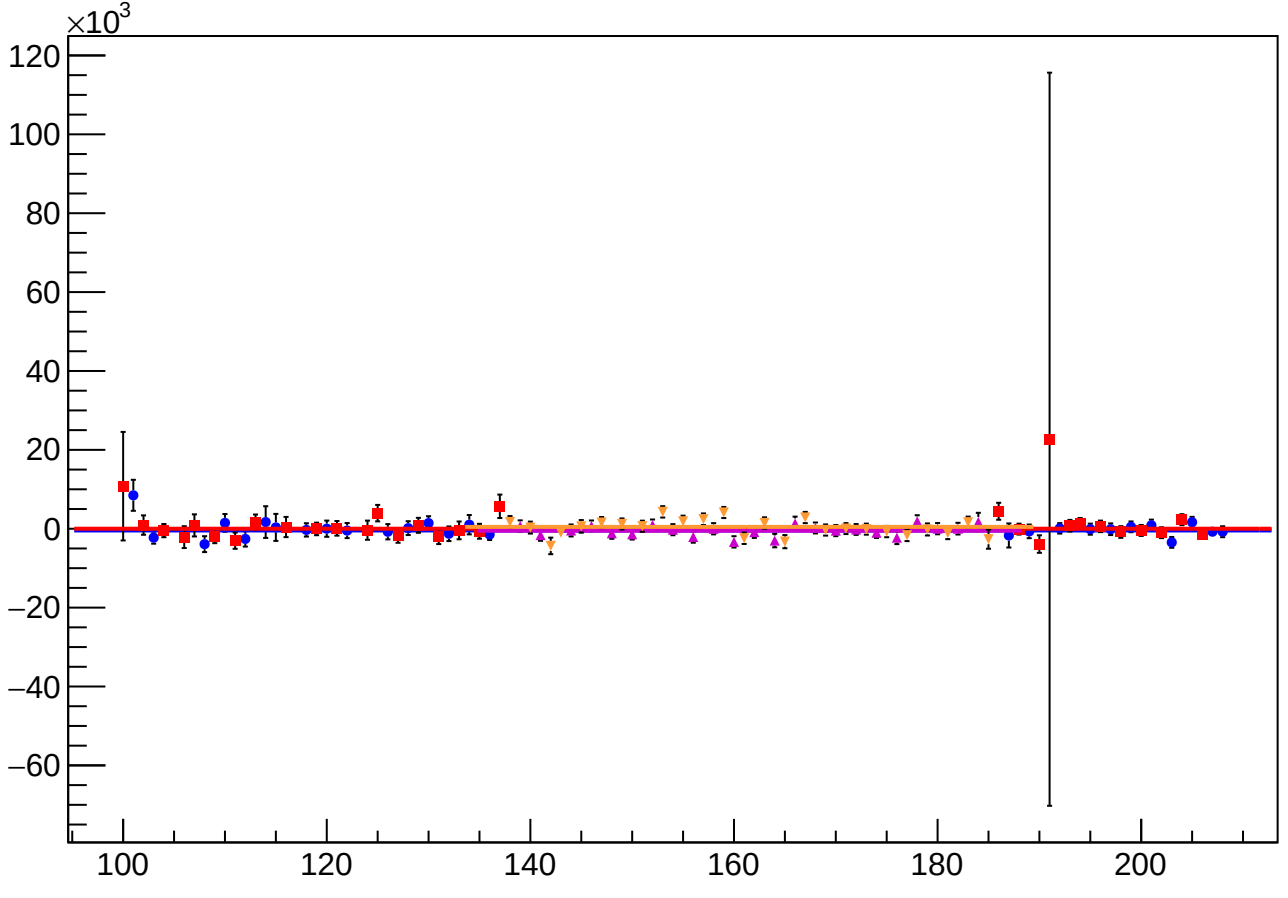
Right: 3931.432+/-0.512 χ^2/NDF: 4803862.9/57

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3914.838+/-0.346 χ^2/NDF: 10043404.8/1

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.003+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

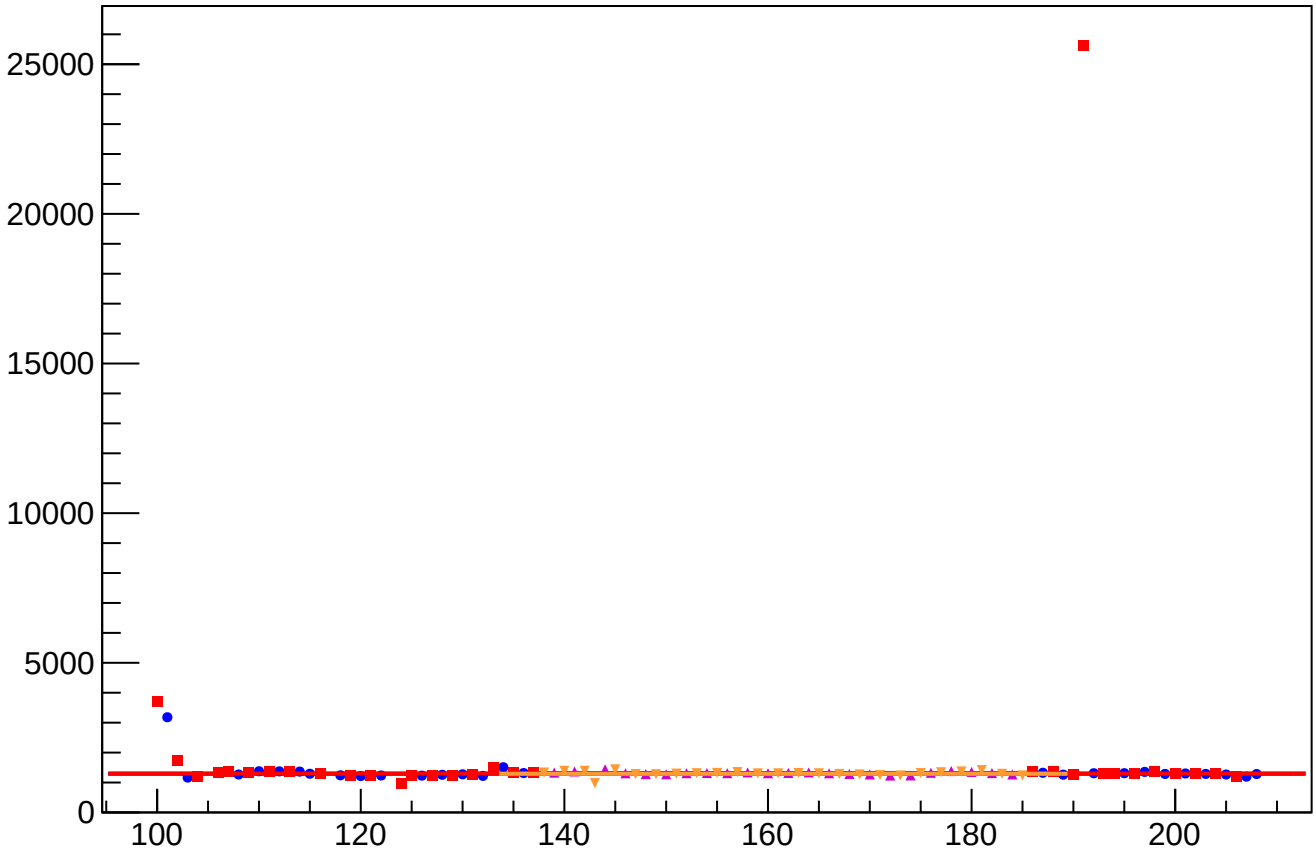
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -214.956+/-231.440 χ^2/NDF: 53.2/57

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -96.751+/-156.509 χ^2/NDF: 120.4/105



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

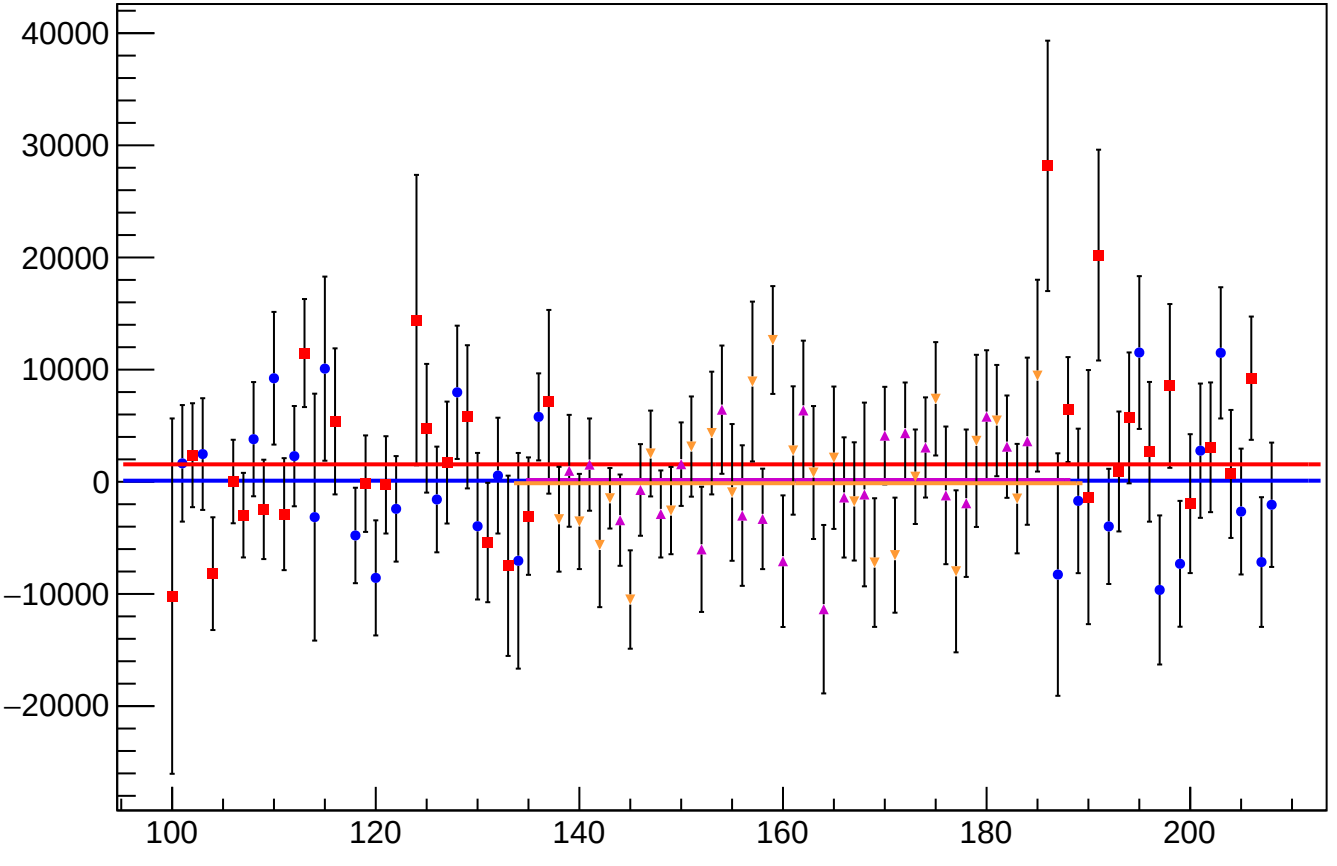
Right: 1296.982+/-0.164 χ^2/NDF: 907250.1/57

In: 1304.622+/-0.159 χ^2/NDF:575976.0/49

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1299.772+/-0.111 χ^2/NDF: 1187311.4/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

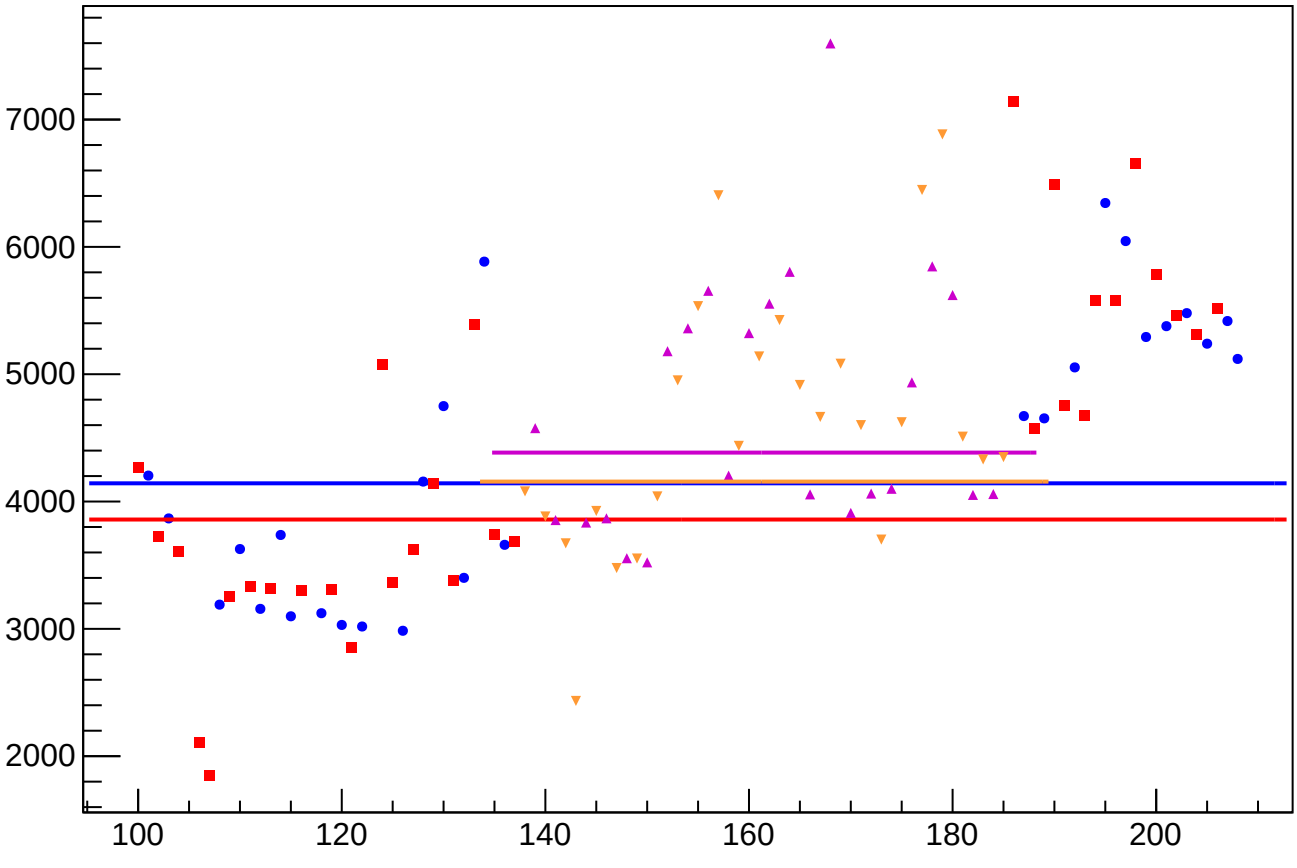
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 878.653+/-732.961 χ^2/NDF: 62.5/57

In: 129.705+/-749.479 χ^2/NDF:42.2/49

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 431.064+/-511.419 χ^2/NDF: 105.6/105



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

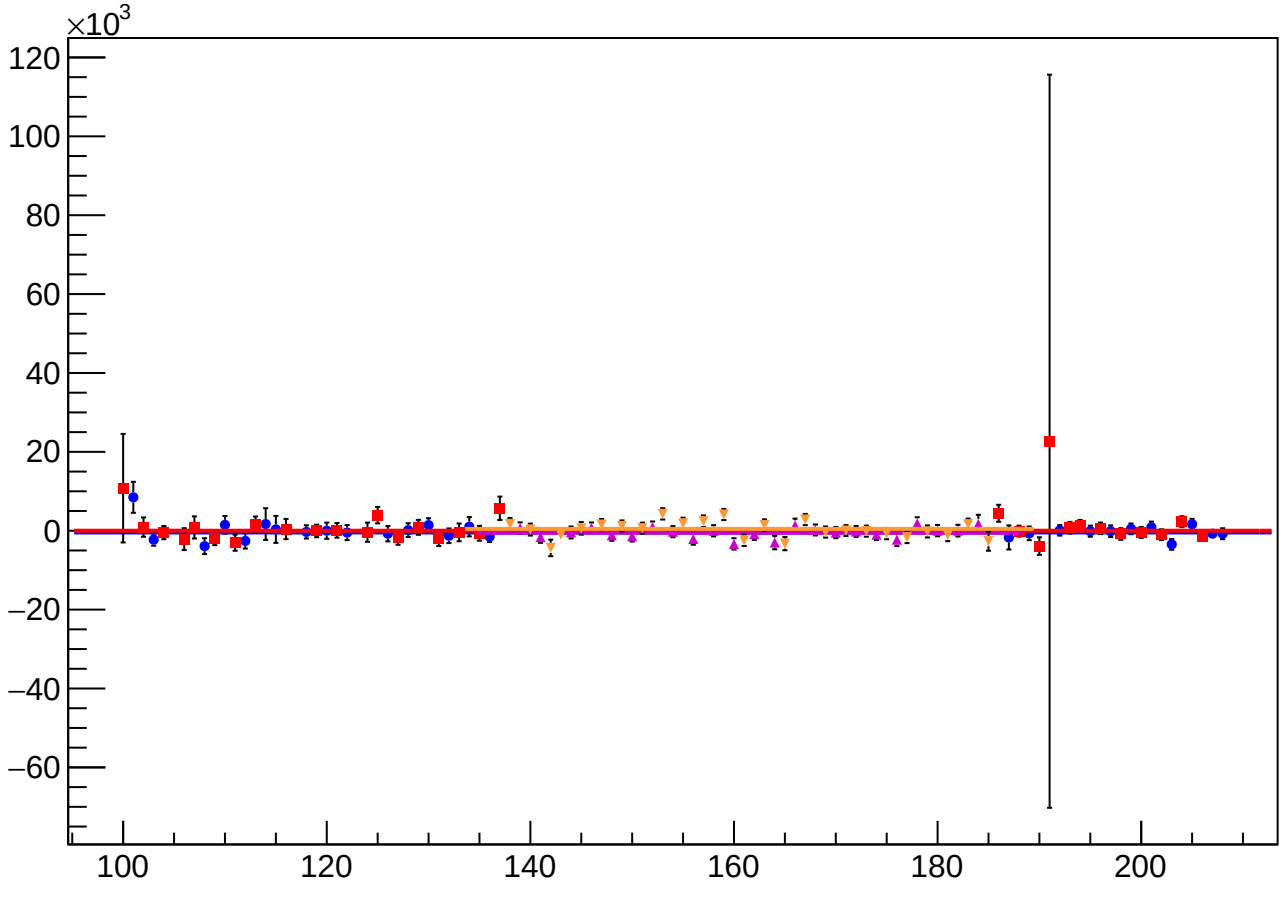
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3990.902+/-0.518 χ^2/NDF: 4917974.6/57

In: 4267.051+/-0.530 χ^2/NDF:3092476.6/49

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4130.414+/-0.362 χ^2/NDF: 8446062.8/10



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 5.002+/-326.544 χ^2/NDF: 29.0/30

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

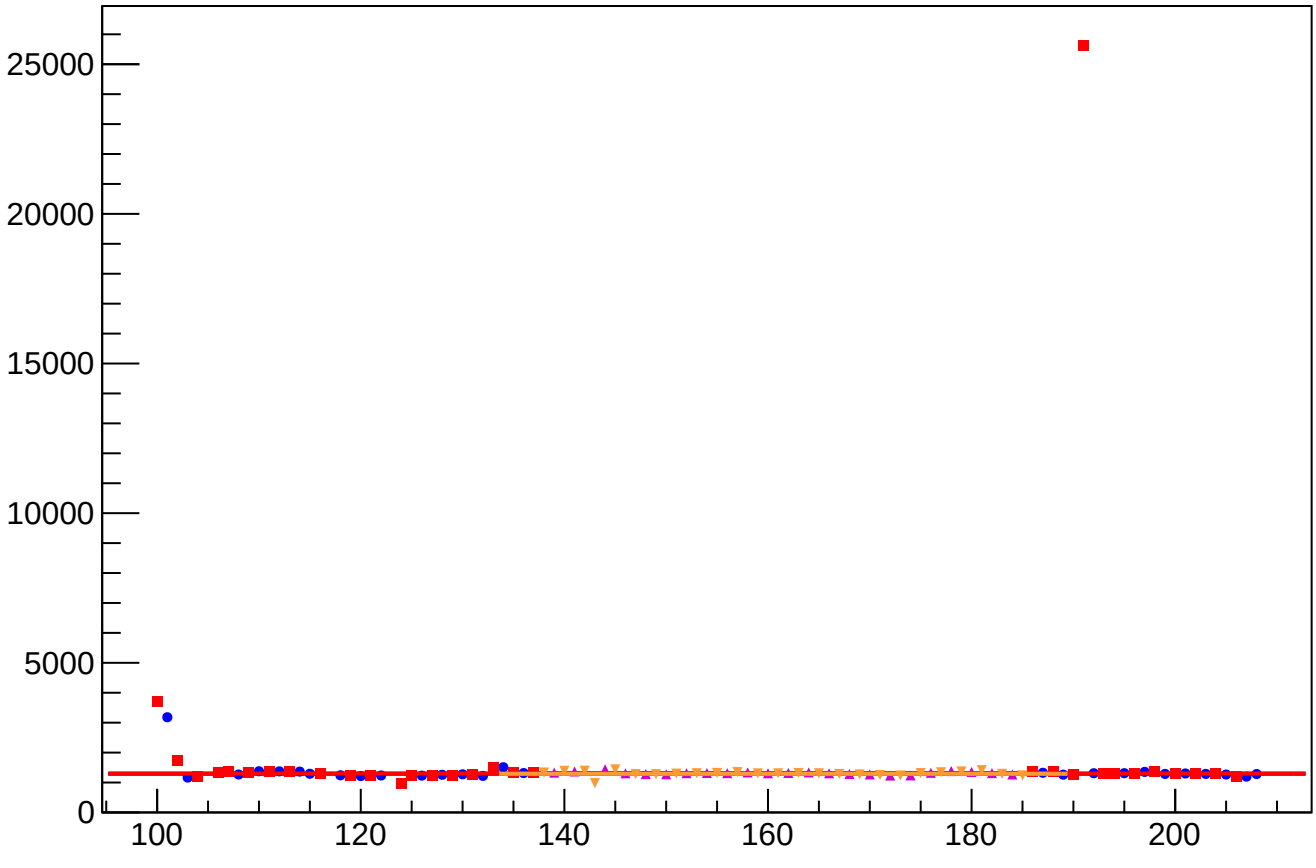
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -214.957+/-231.440 χ^2/NDF: 53.2/57

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -96.751+/-156.509 χ^2/NDF: 120.4/105



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

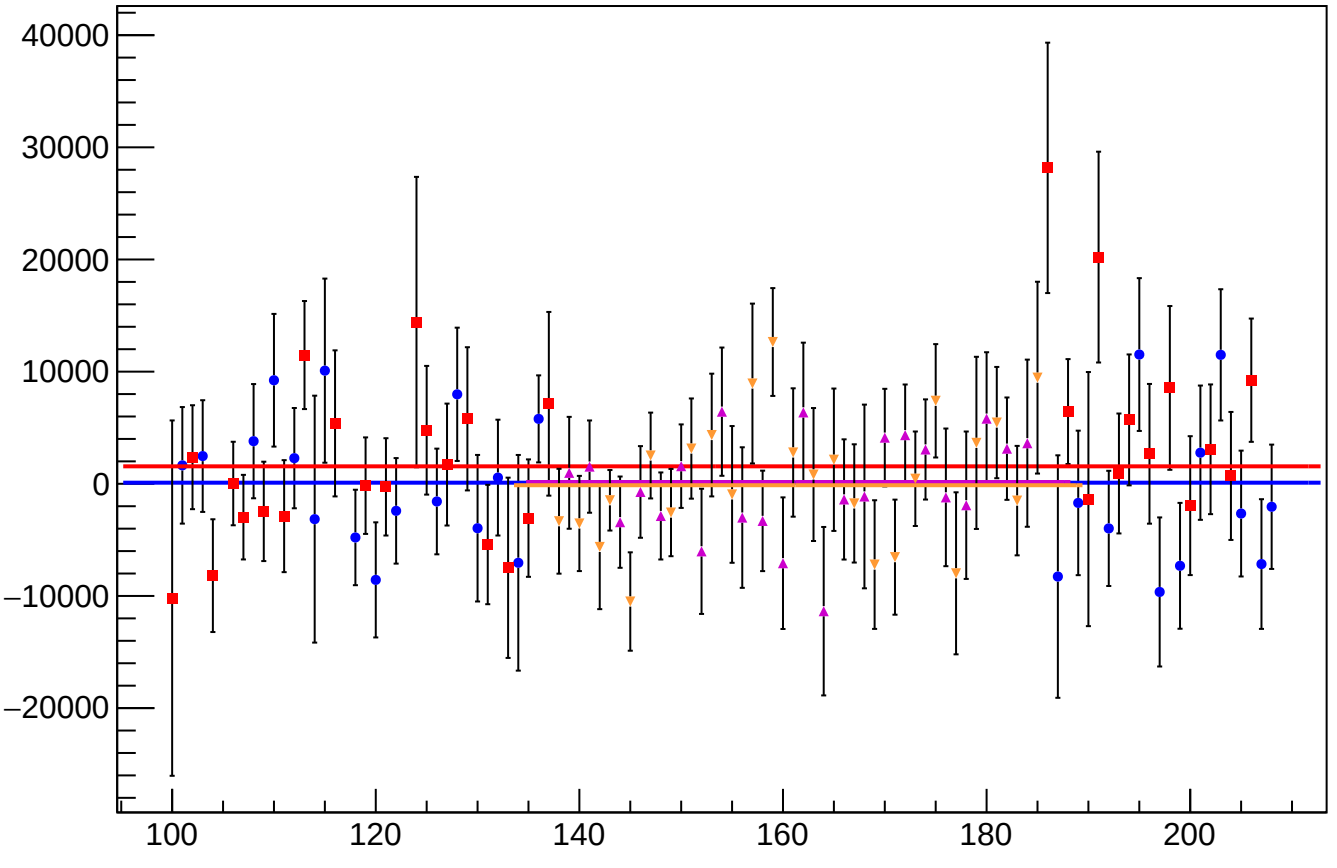
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1296.982+/-0.164 χ^2/NDF: 907250.4/57

In: 1304.623+/-0.159 χ^2/NDF:575978.8/49

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1299.773+/-0.111 χ^2/NDF: 1187316.5/10



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

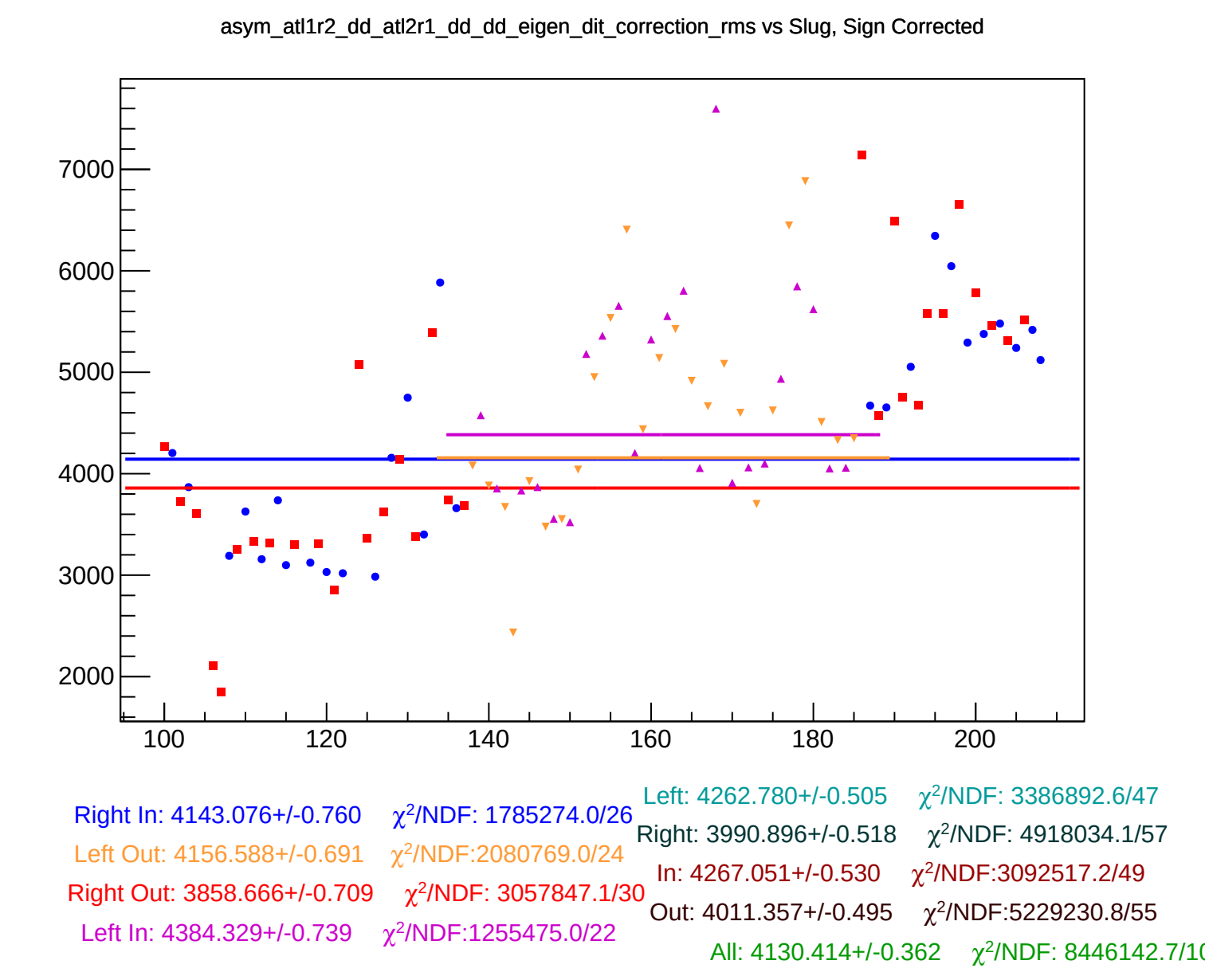
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

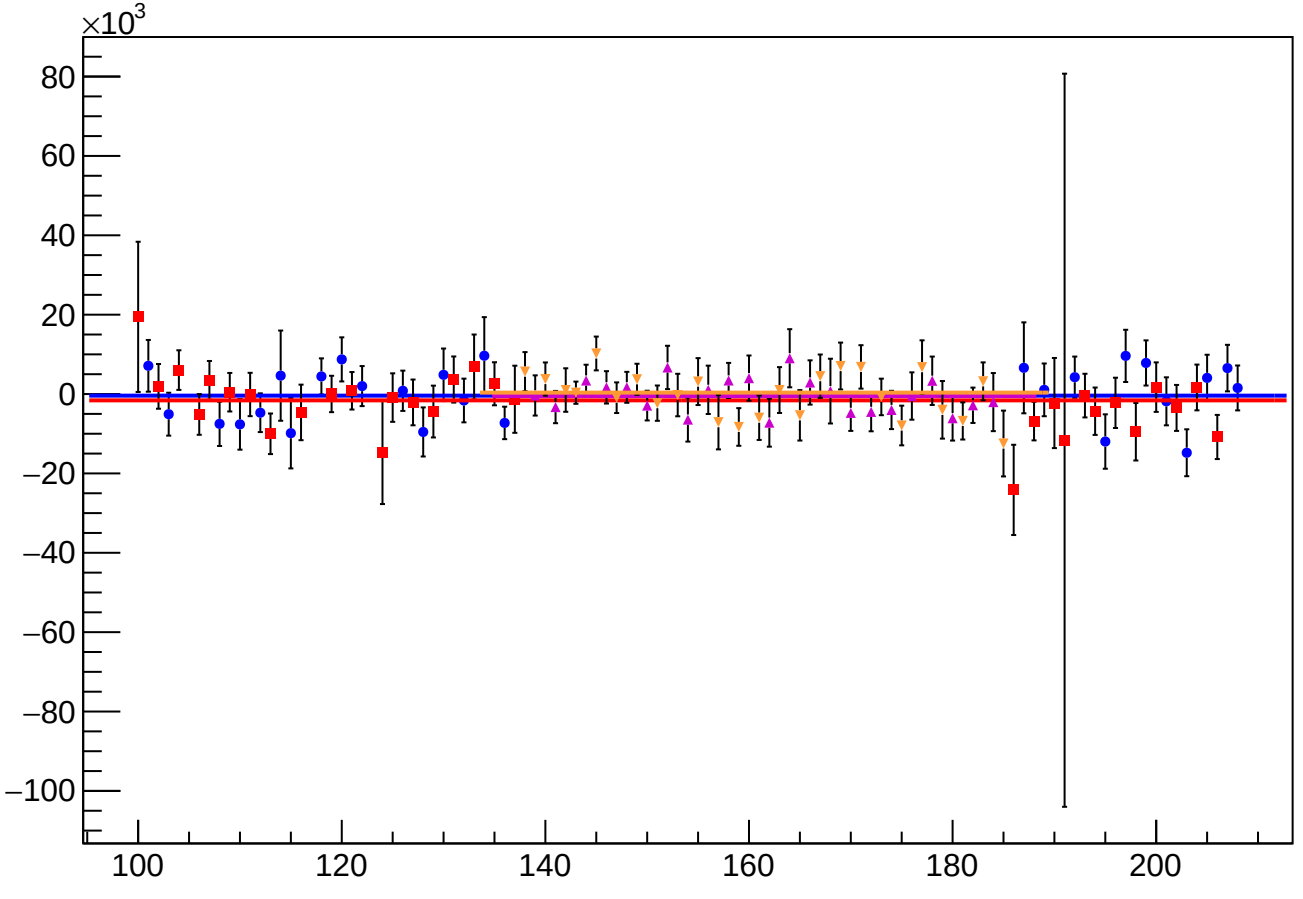
Right: 878.646+/-732.960 χ^2/NDF: 62.5/57

In: 129.703+/-749.479 χ^2/NDF:42.2/49

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 431.063+/-511.419 χ^2/NDF: 105.6/105


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4143.076+/-0.760 χ²/NDF: 1785274.0/26
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3858.666+/-0.709 χ²/NDF: 3057847.1/30
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3990.896+/-0.518 χ²/NDF: 4918034.1/57
In: 4267.051+/-0.530 χ²/NDF:3092517.2/49
Out: 4011.357+/-0.495 χ²/NDF:5229230.8/55
All: 4130.414+/-0.362 χ²/NDF: 8446142.7/10



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1590.008+/-1090.282 χ^2/NDF: 22.8/30

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

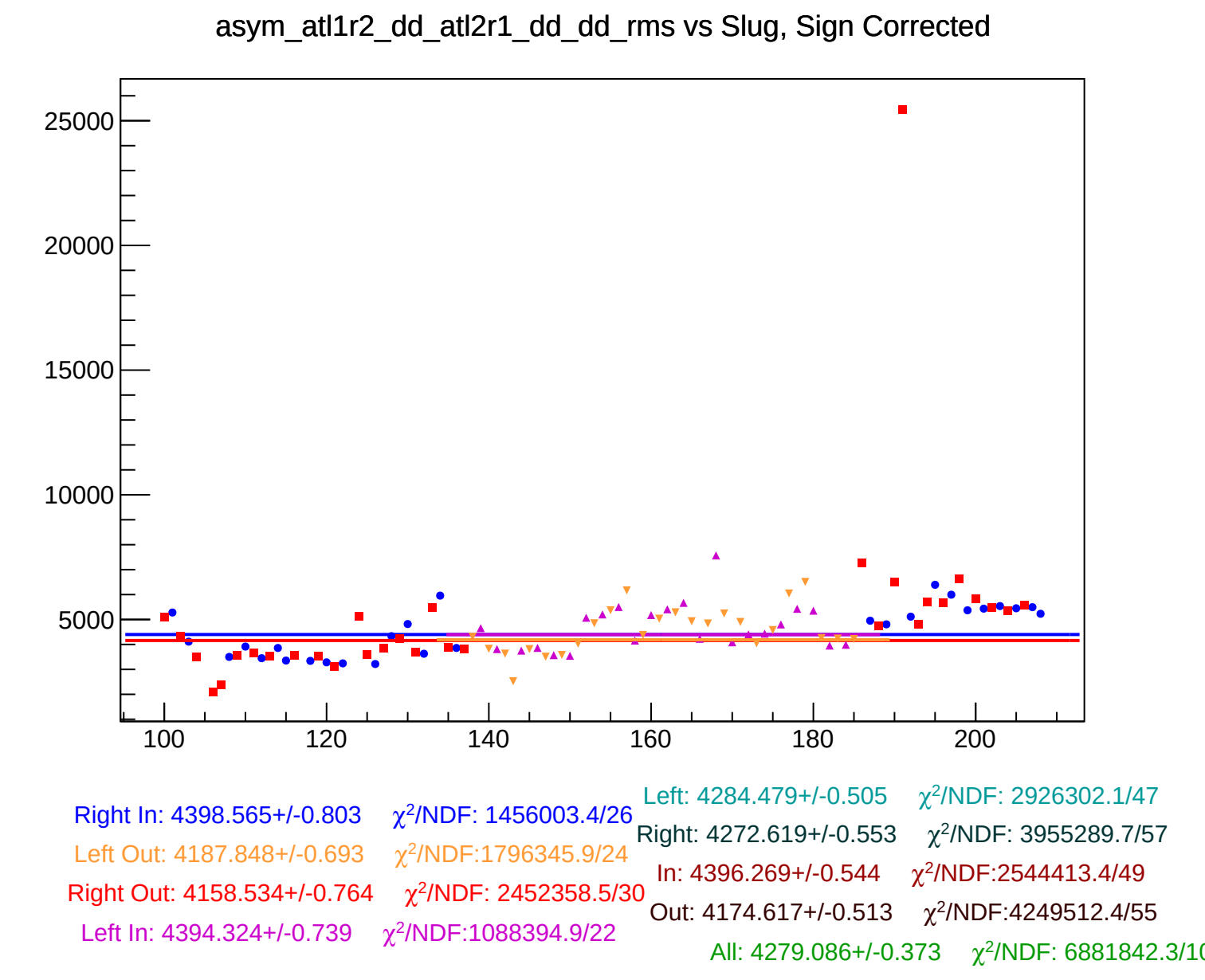
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1020.622+/-786.309 χ^2/NDF: 57.9/57

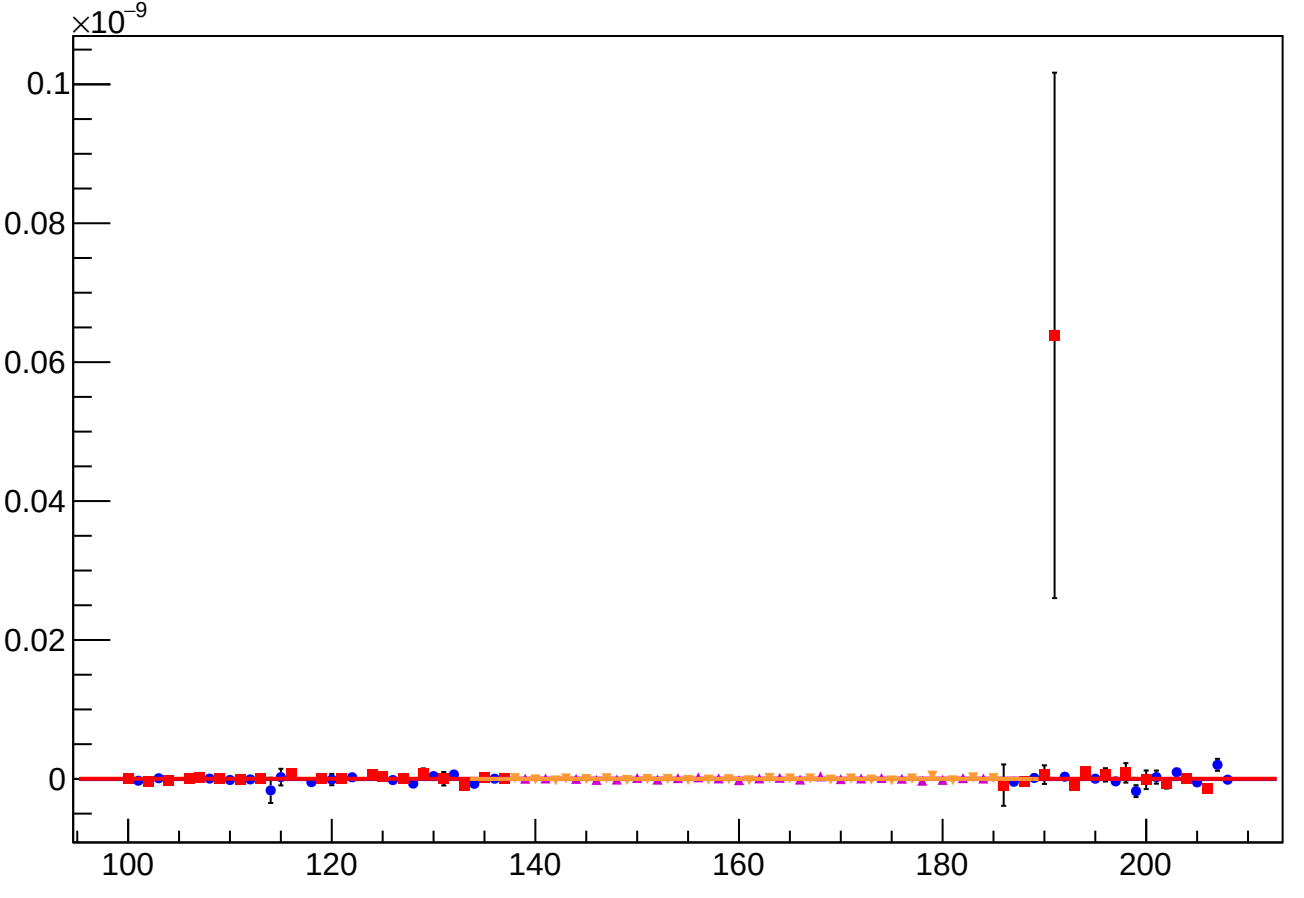
In: -454.392+/-768.688 χ^2/NDF:48.4/49

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -483.617+/-528.874 χ^2/NDF: 100.6/105


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4398.565+/-0.803 χ²/NDF: 1456003.4/26
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4158.534+/-0.764 χ²/NDF: 2452358.5/30
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4272.619+/-0.553 χ²/NDF: 3955289.7/57
In: 4396.269+/-0.544 χ²/NDF:2544413.4/49
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4279.086+/-0.373 χ²/NDF: 6881842.3/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

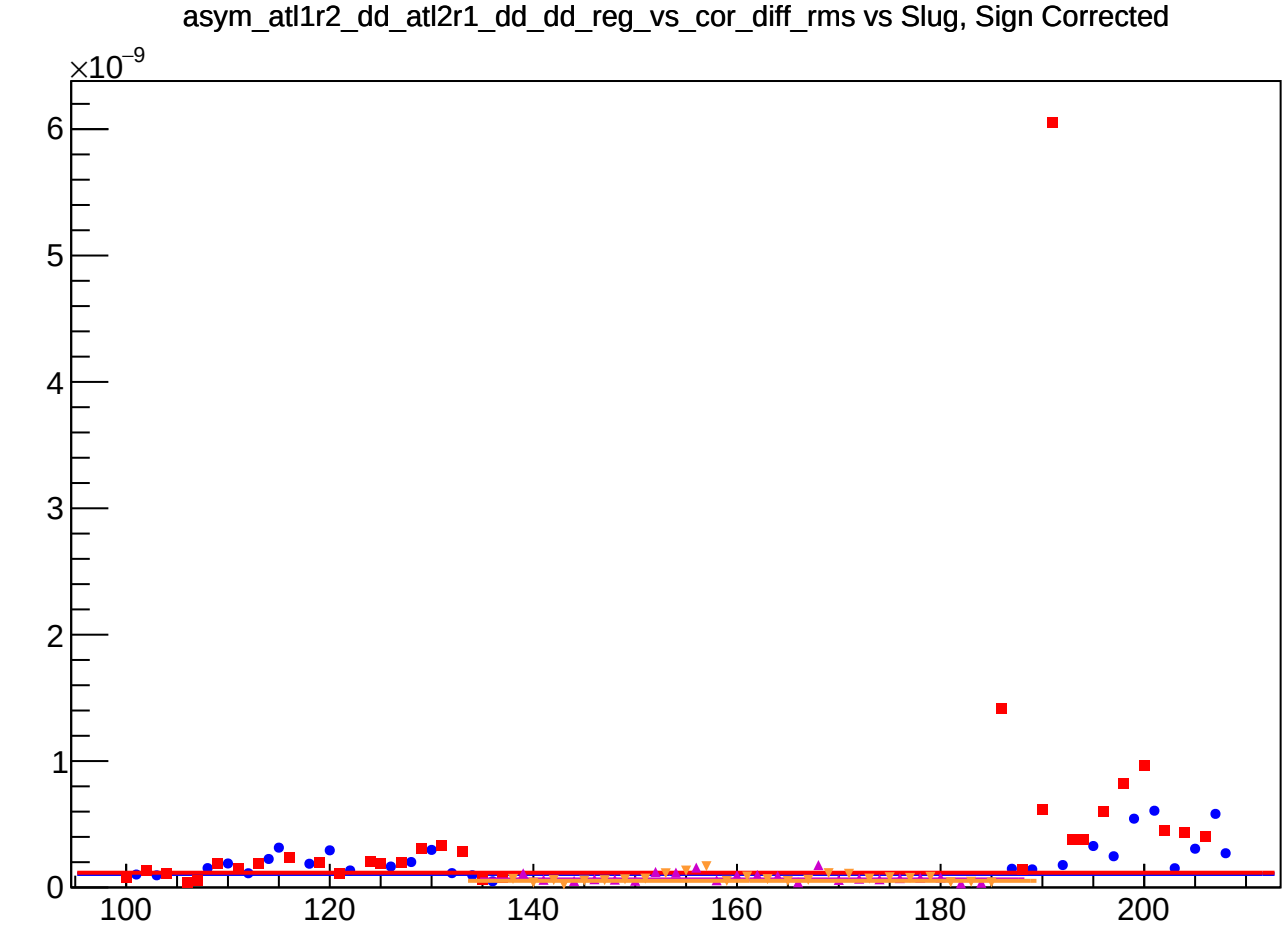
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/57

In: 0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 115.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6378887.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

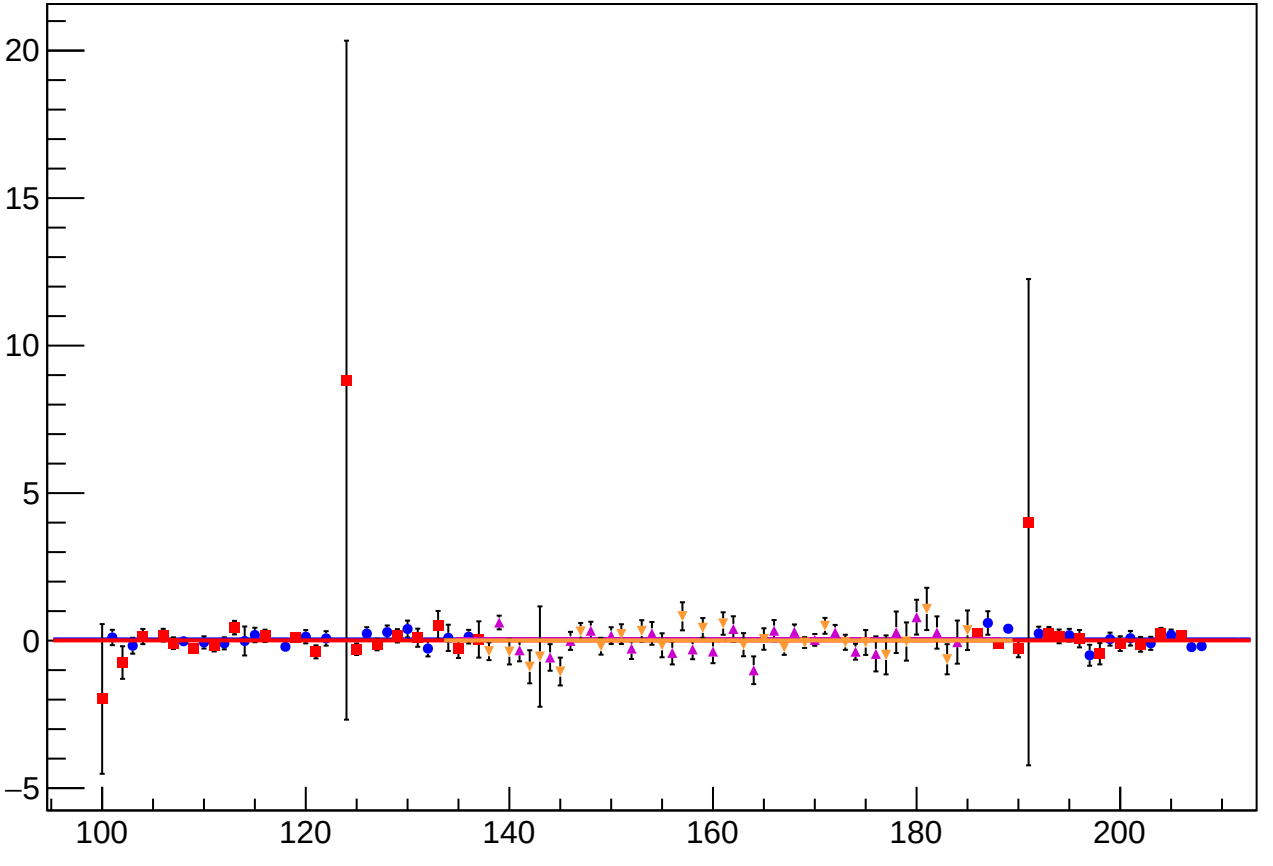
Right: 0.000+/-0.000 χ^2/NDF: 10684516.6/57

In: 0.000+/-0.000 χ^2/NDF:7071252.3/49

Out: 0.000+/-0.000 χ^2/NDF:10966344.8/55

All: 0.000+/-0.000 χ^2/NDF: 18291975.4/105

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

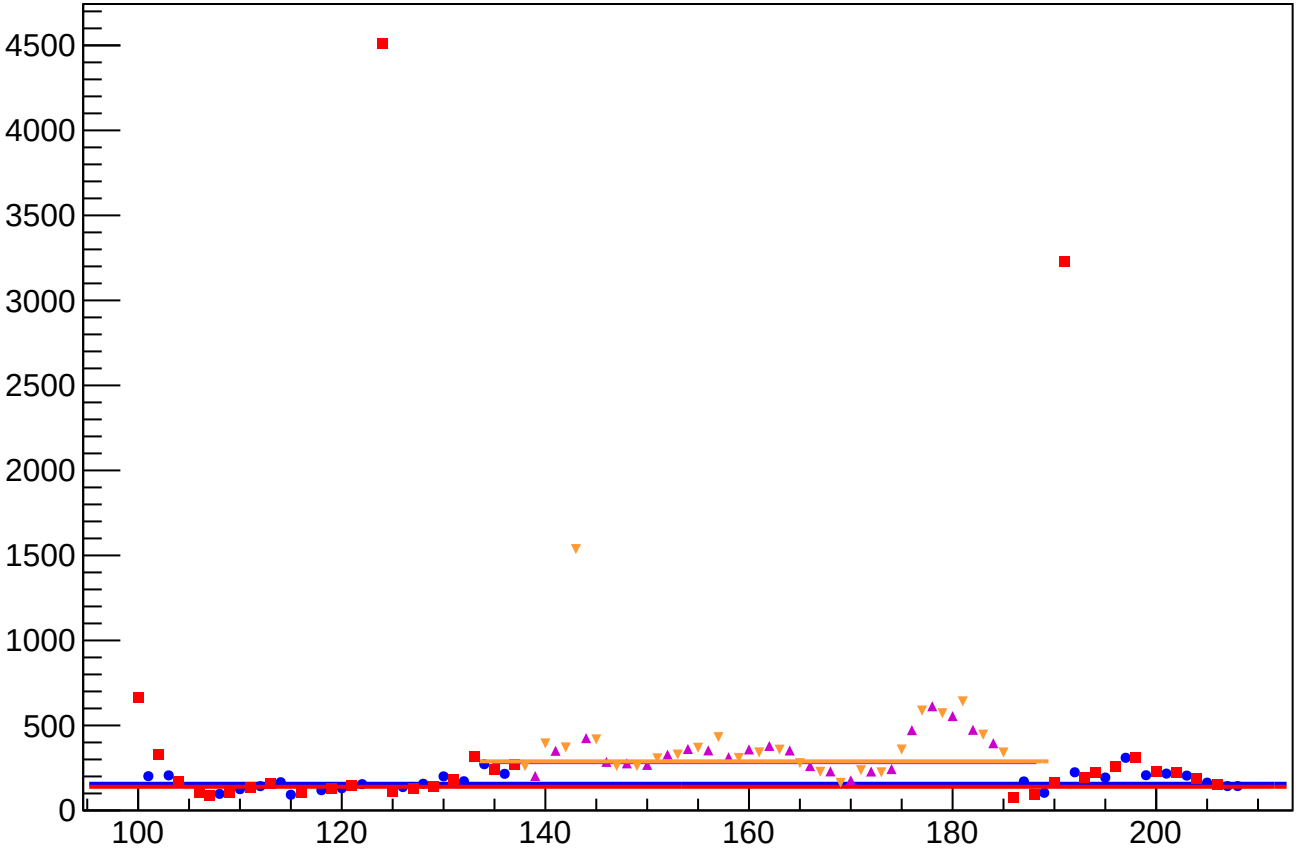
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

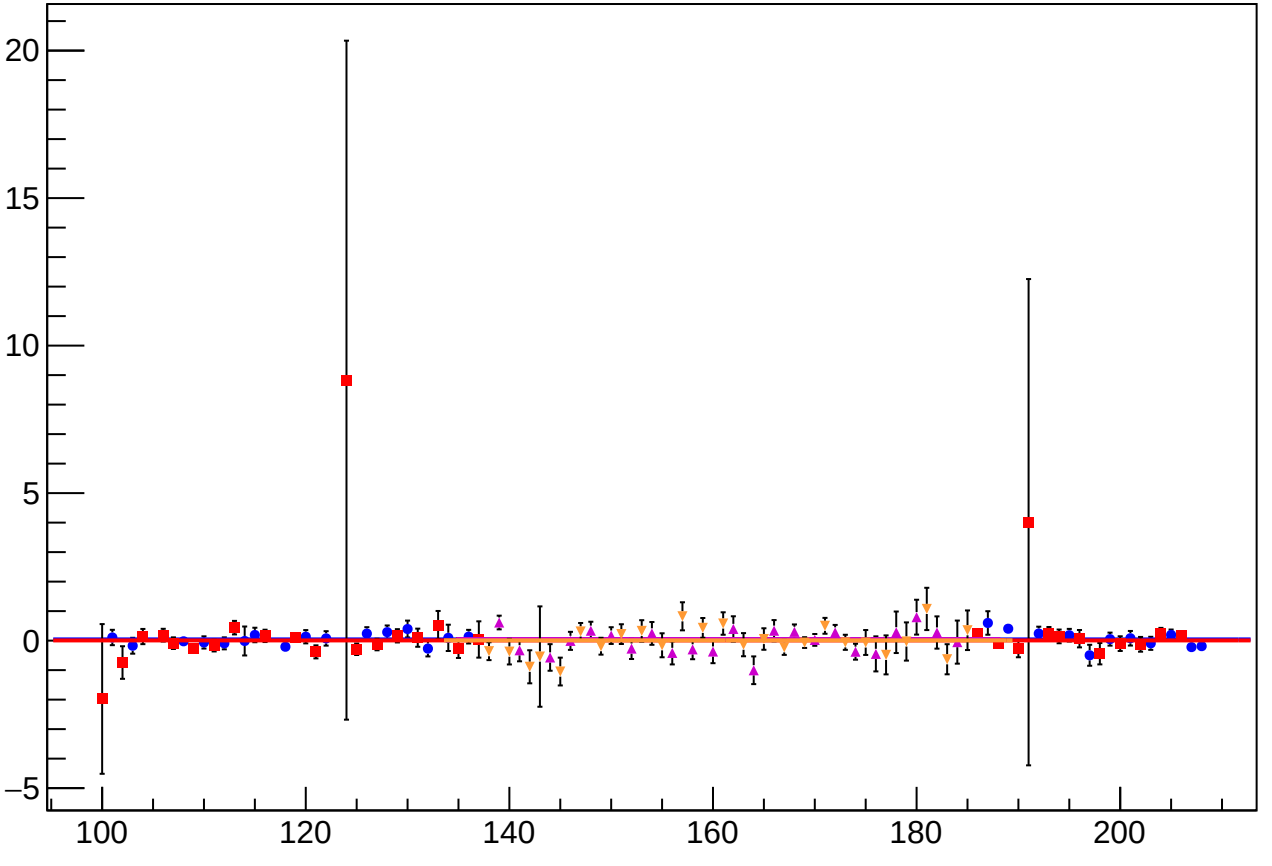
Right: 147.440+/-0.020 χ^2/NDF: 7121018.1/57

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

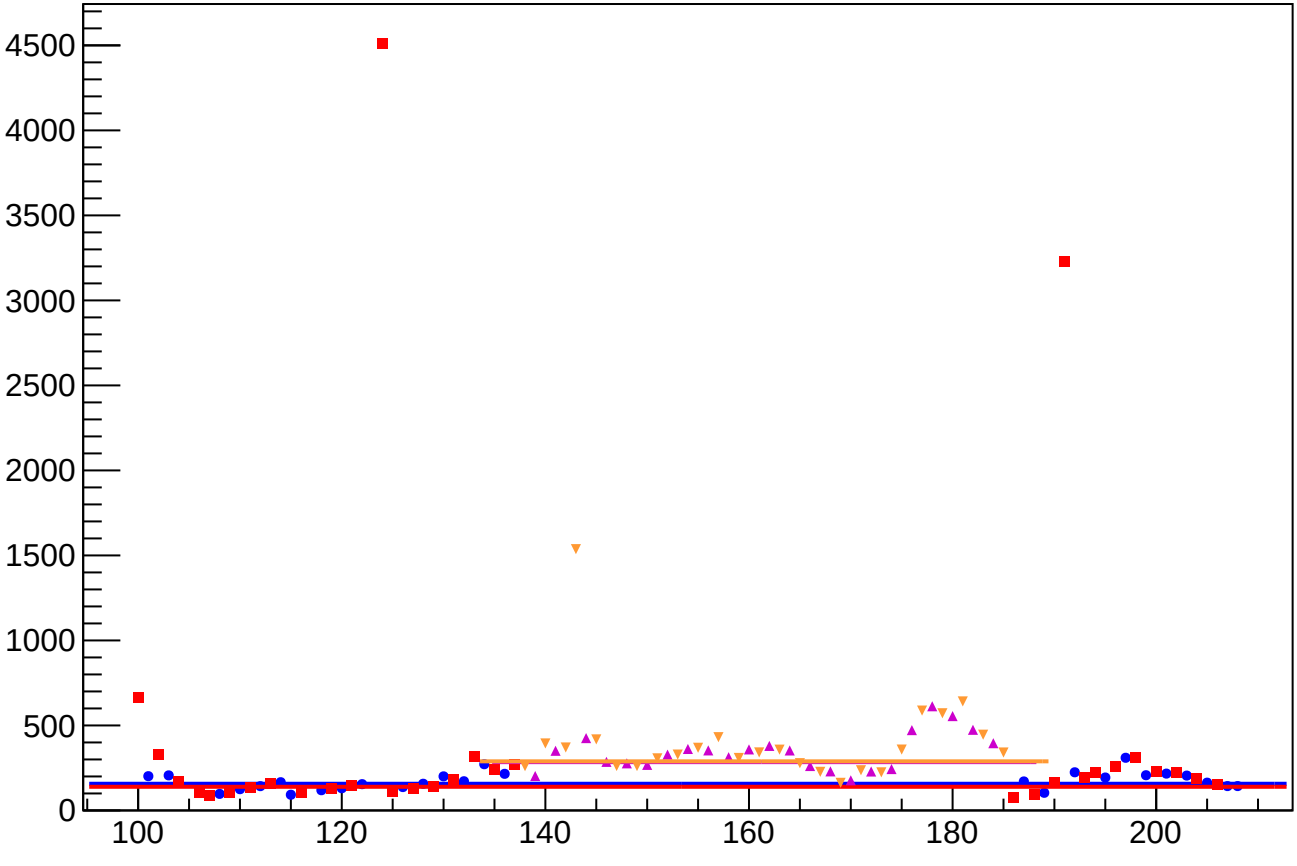
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

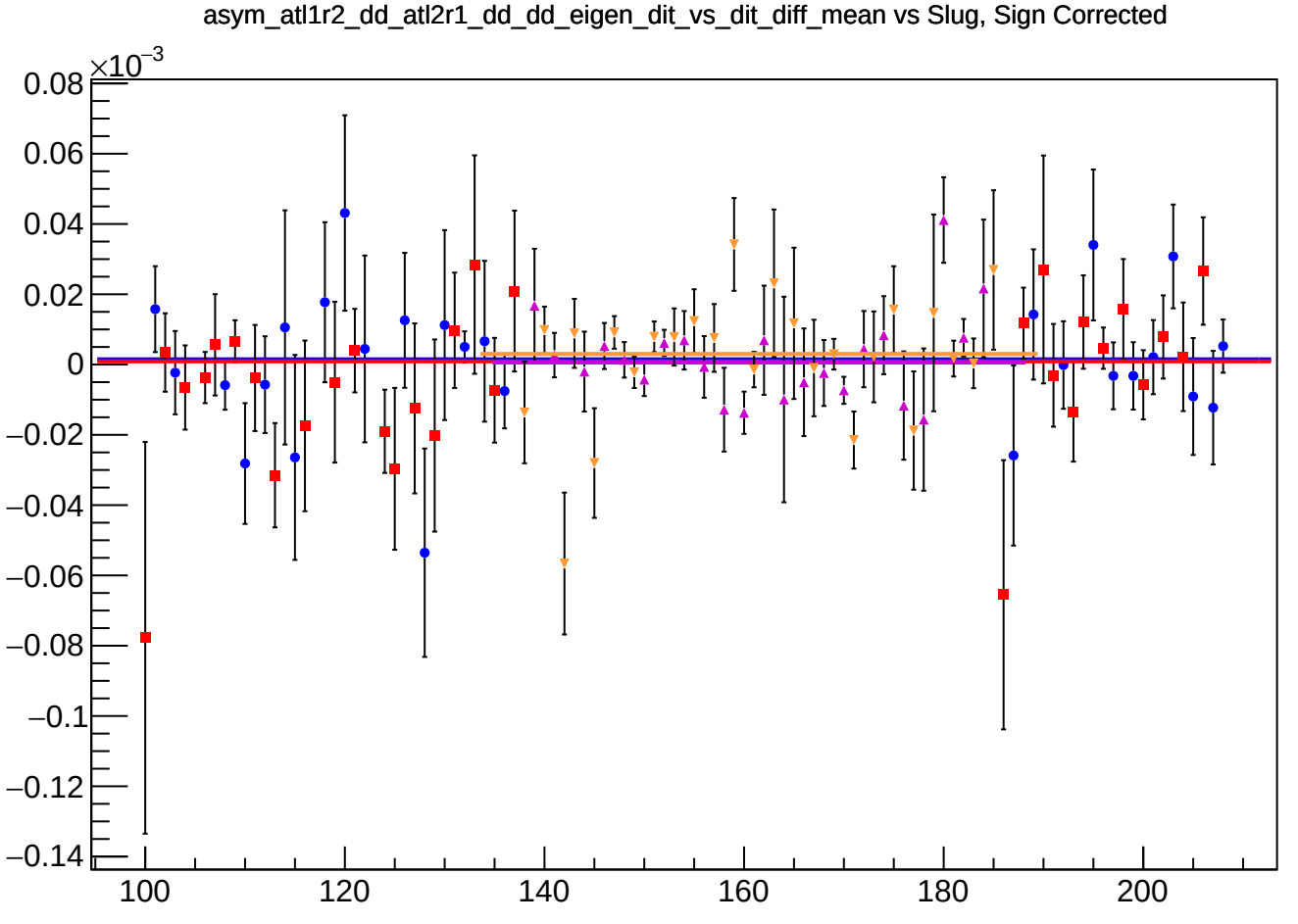
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.440+/-0.020 χ^2/NDF: 7121018.1/57

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 181.483+/-0.017 χ^2/NDF: 26539255.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

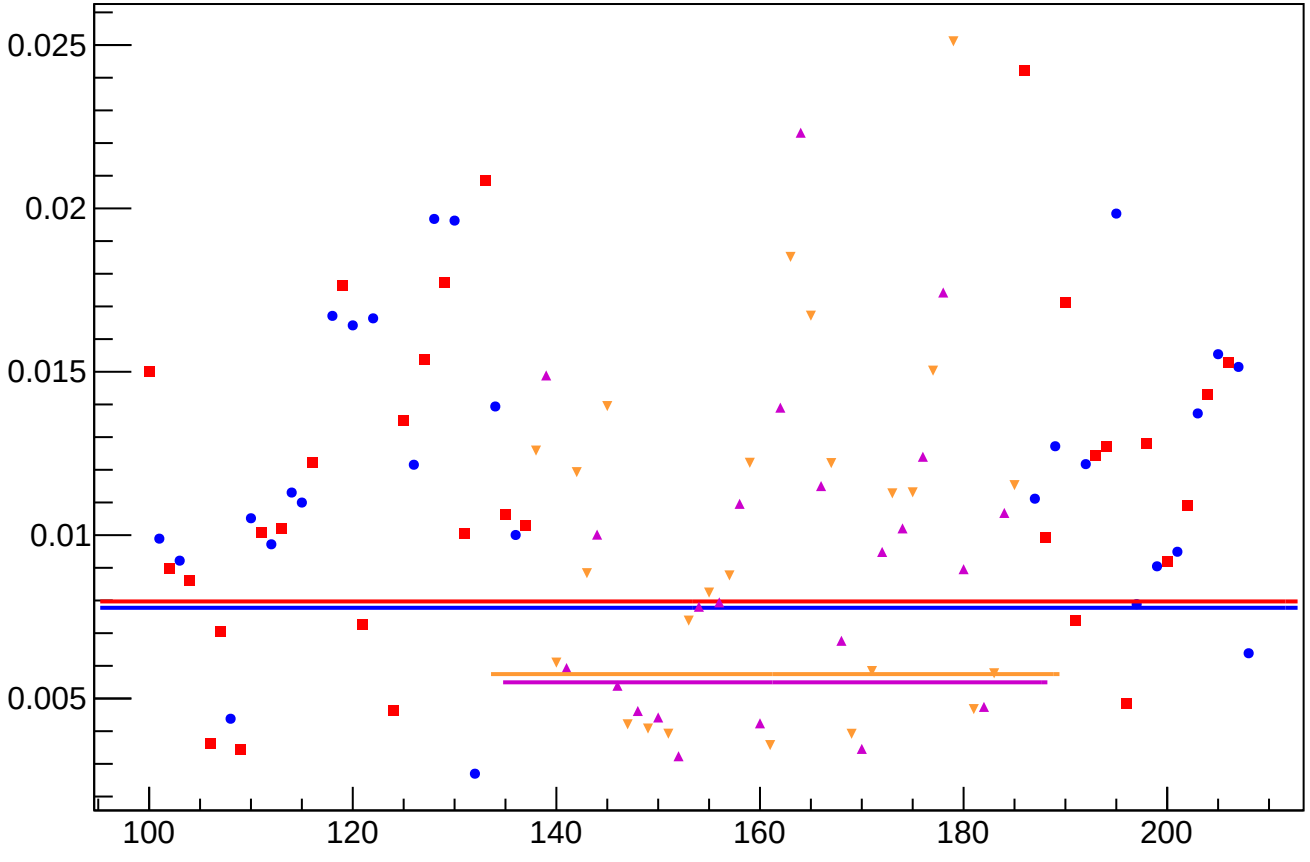
Right: 0.000+/-0.000 χ^2/NDF: 53.4/57

In: 0.000+/-0.000 χ^2/NDF:57.9/49

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 130.3/105

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

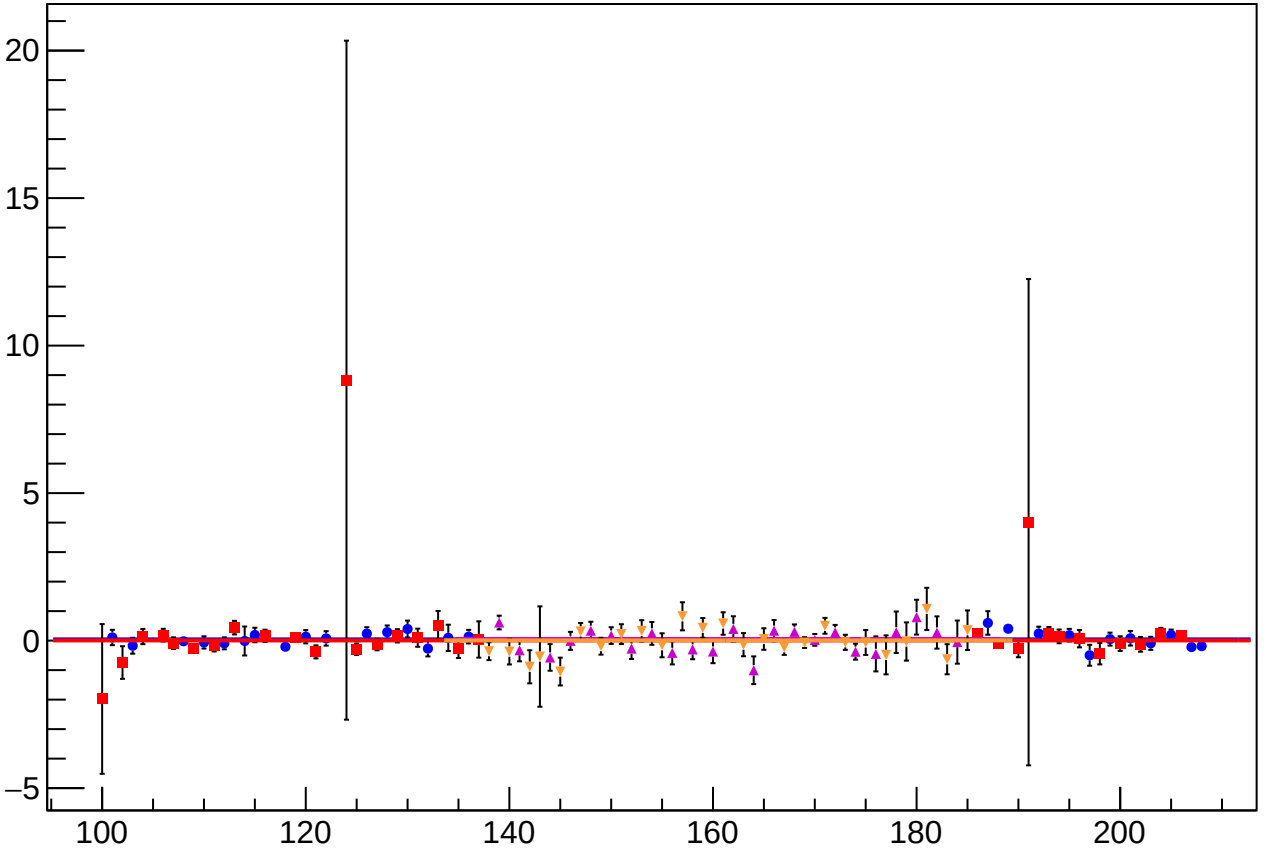
Right: 0.008+/-0.000 χ^2/NDF: 13917132.3/57

In: 0.006+/-0.000 χ^2/NDF:15801355.3/49

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31728076.9/105

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

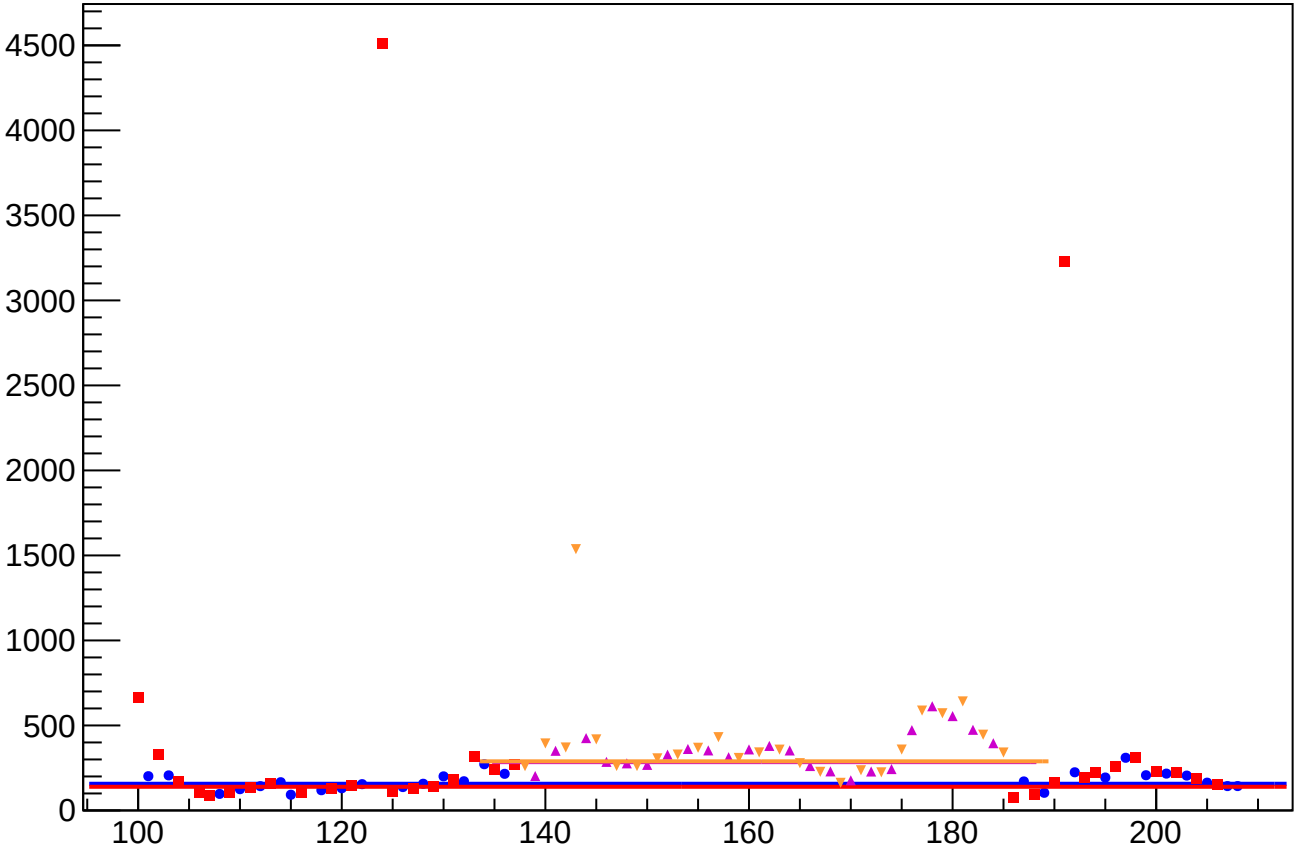
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

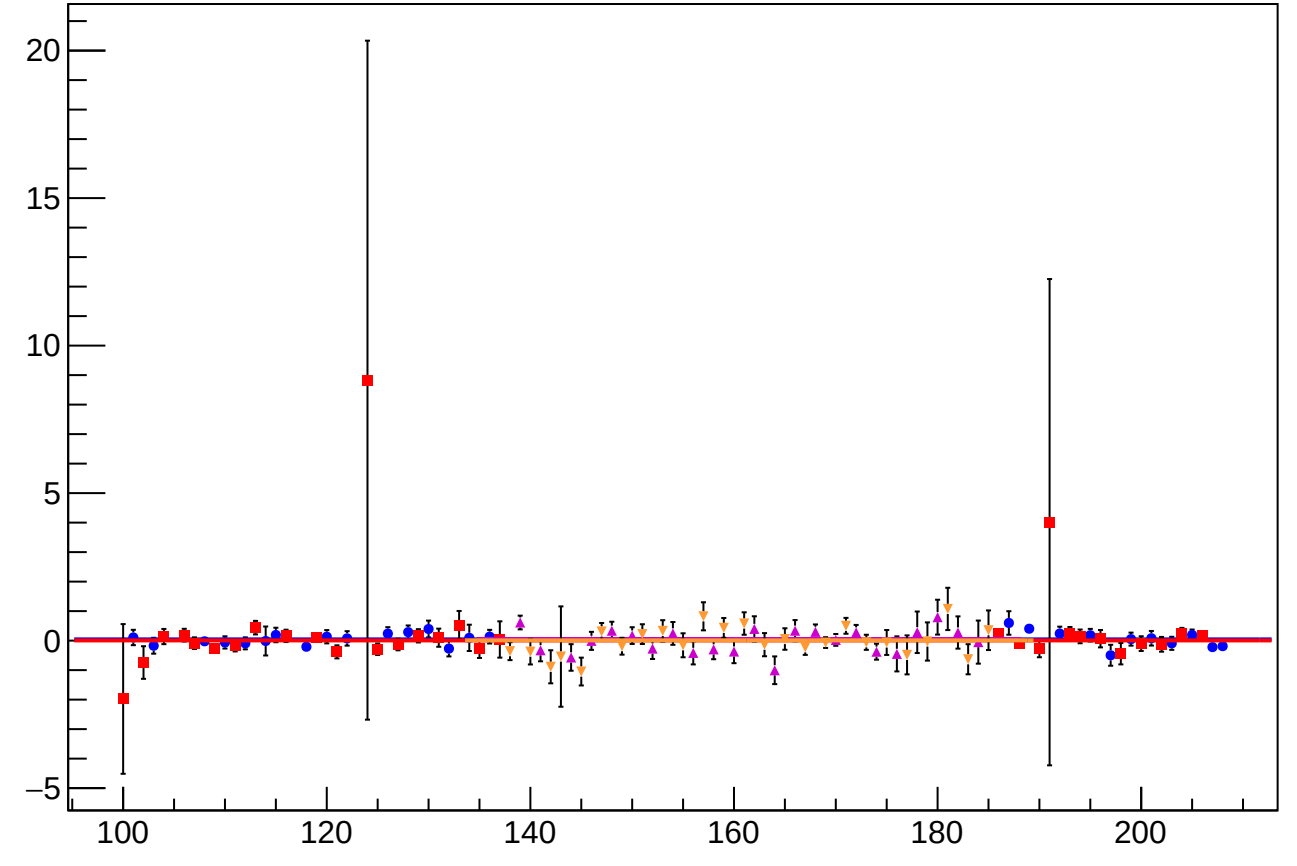
Right: 147.441+/-0.020 χ^2/NDF: 7120804.8/57

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

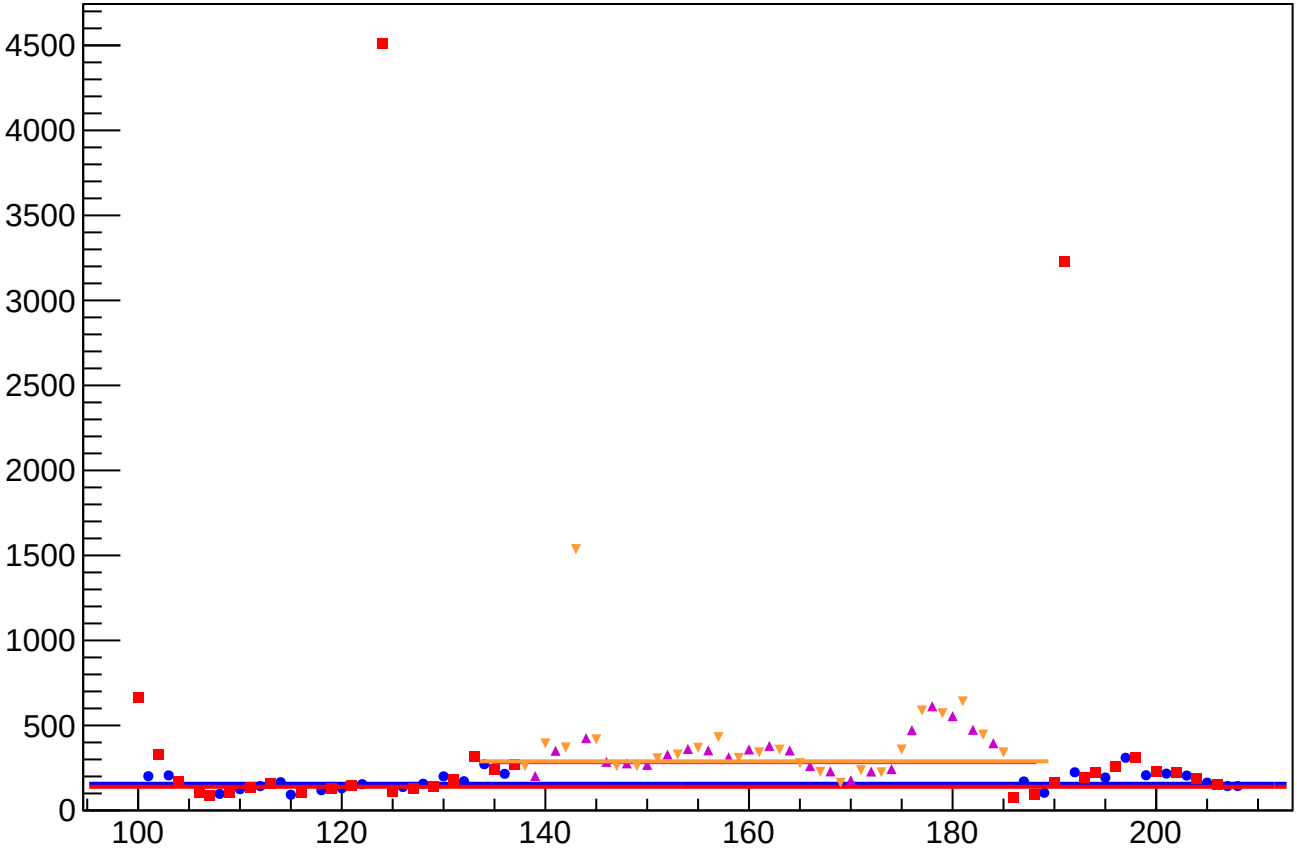
Right: 0.023+/-0.028 χ^2/NDF: 59.0/57

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.025+/-0.025 χ^2/NDF: 115.9/105

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

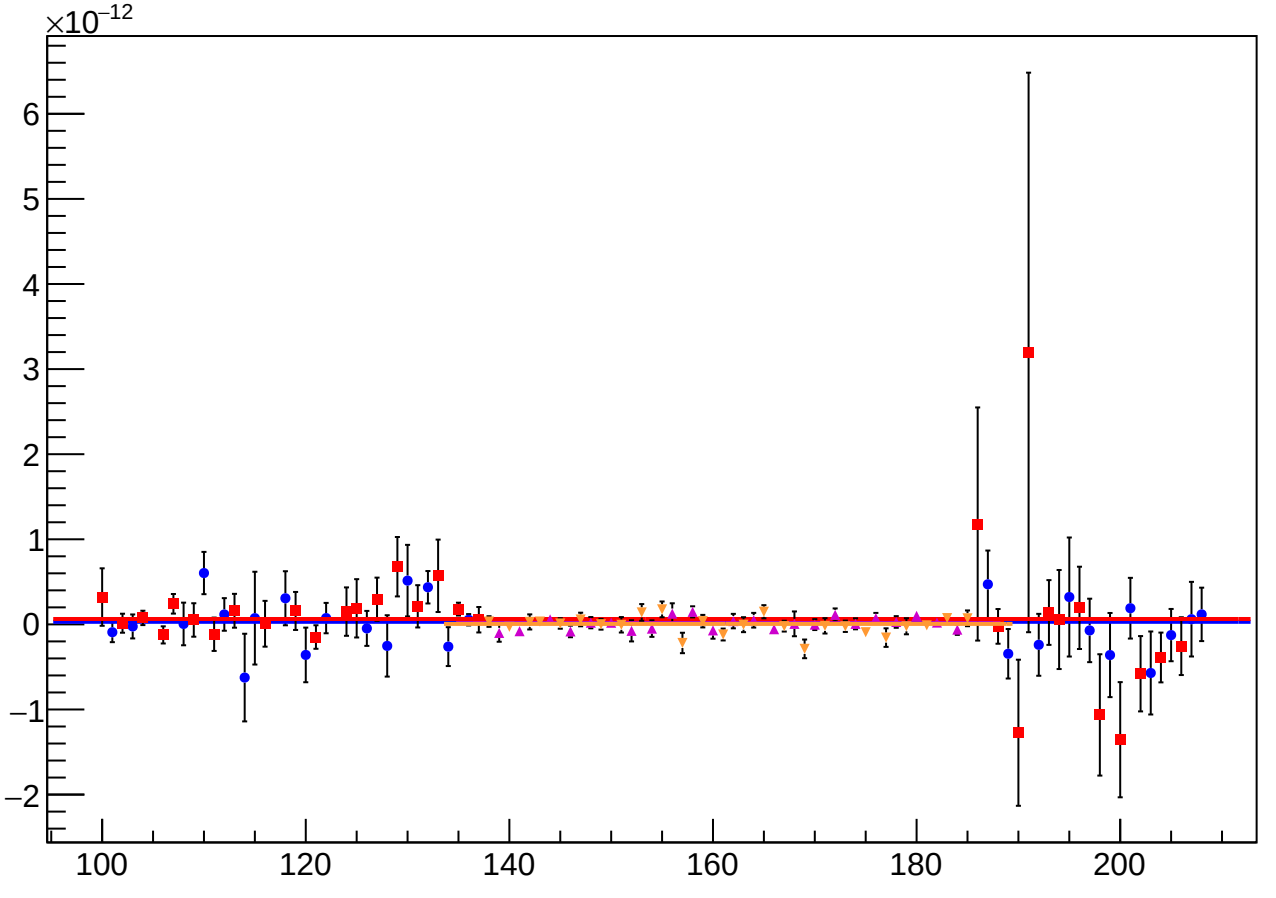
Right: 147.441+/-0.020 χ^2/NDF: 7120804.8/57

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 181.485+/-0.017 χ^2/NDF: 26539147.9/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

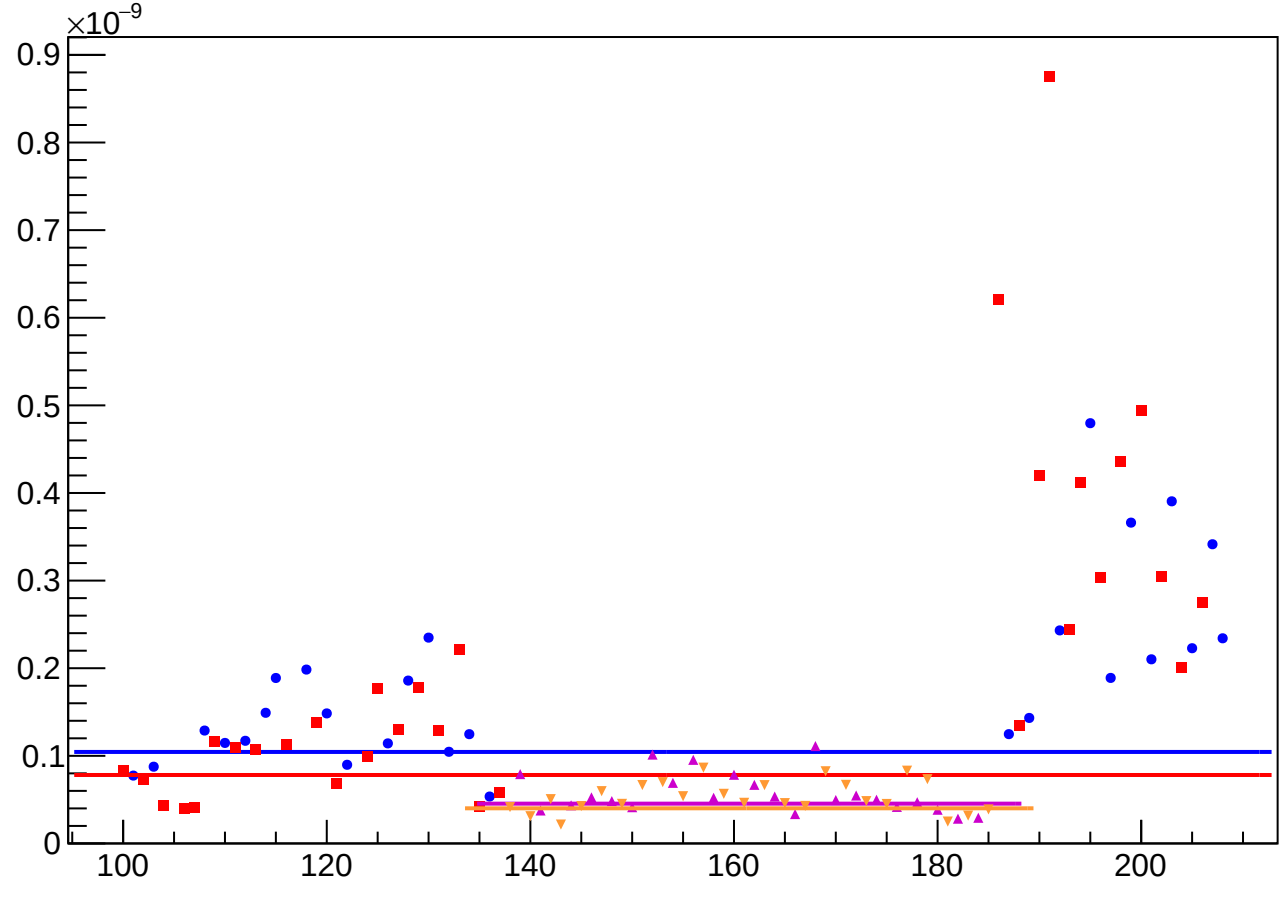
Right: 0.000+/-0.000 χ^2/NDF: 61.1/57

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.9/105

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: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

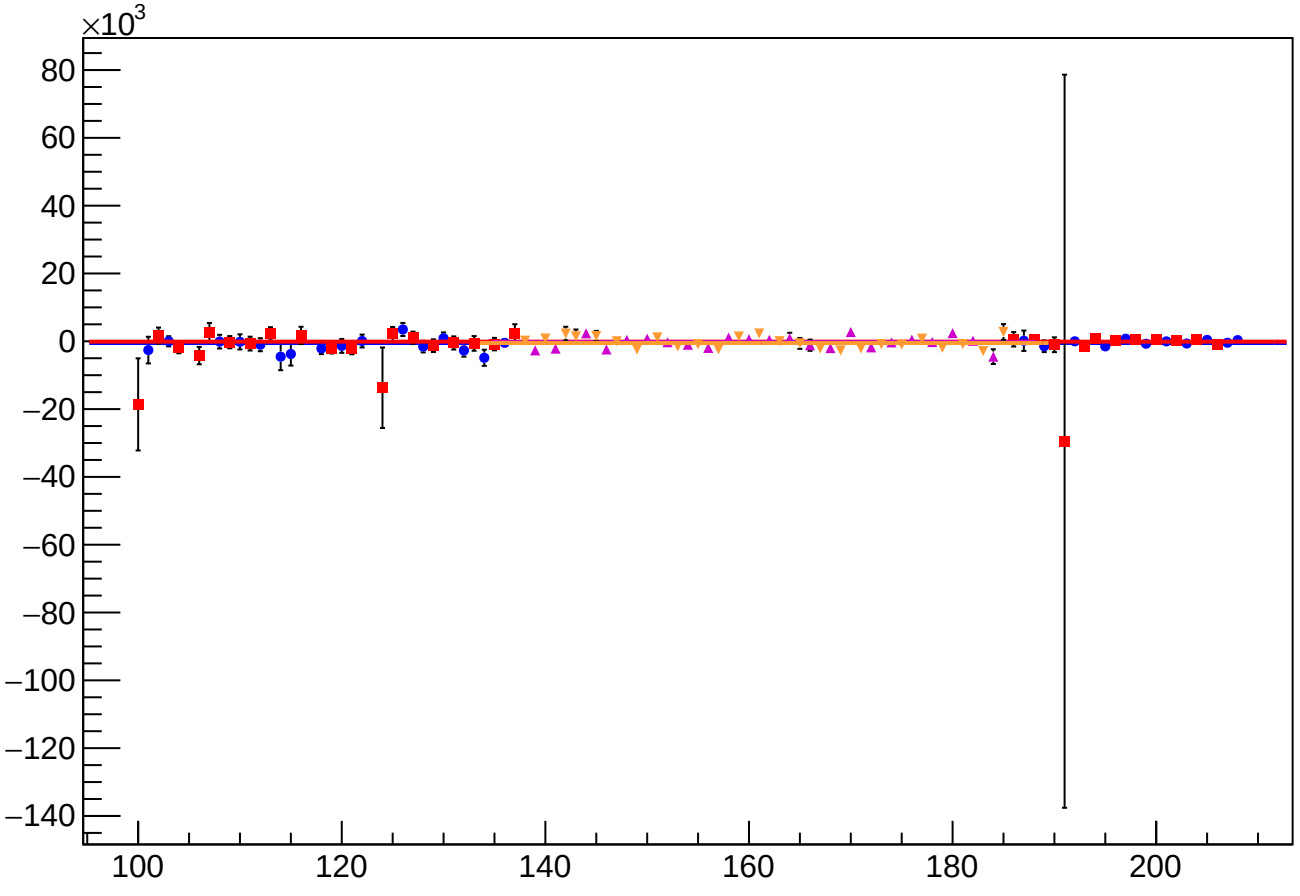
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13720155.2/57

In: 0.000+/-0.000 χ^2/NDF:12262093.7/49

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 26150673.6/105



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -106.976+/-322.543 χ^2/NDF: 19.6/30

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

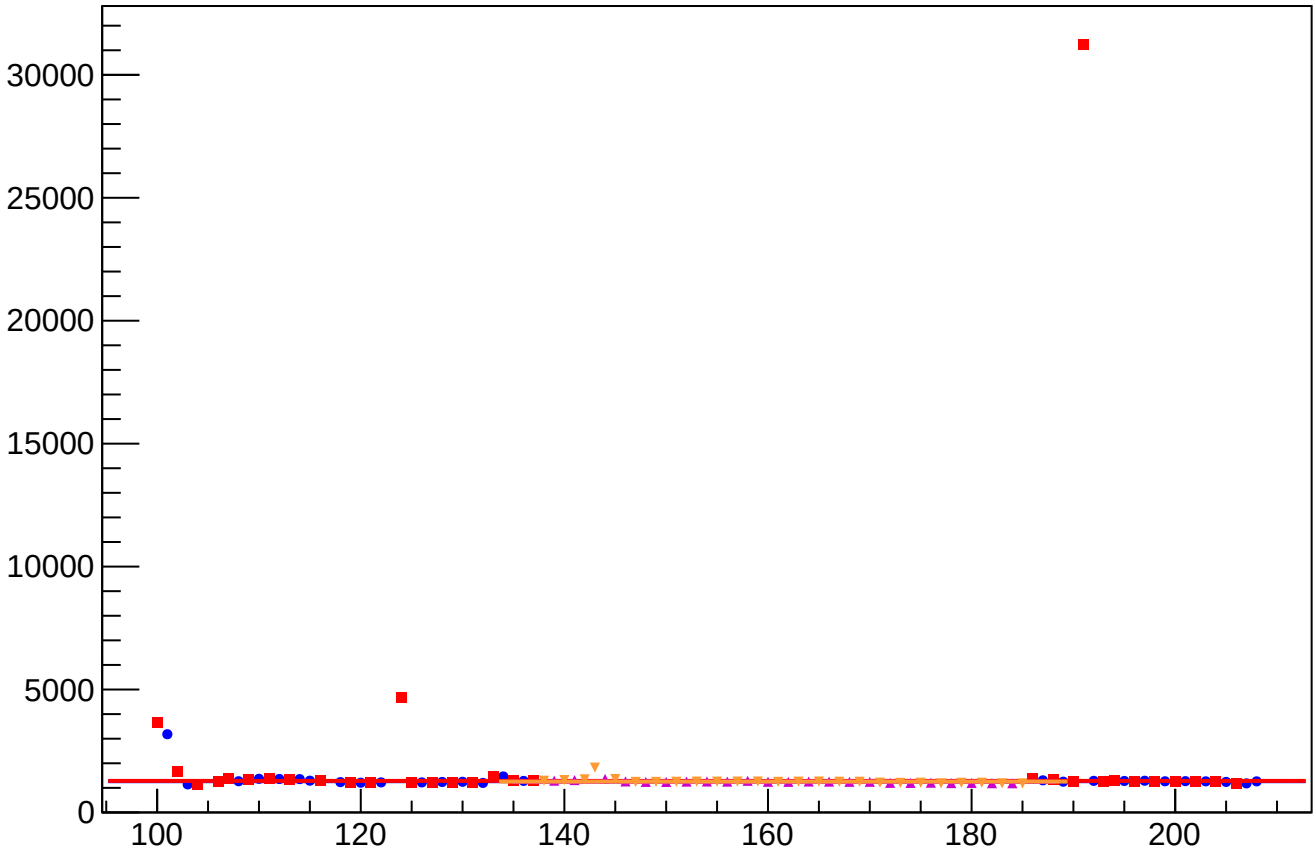
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -307.335+/-228.011 χ^2/NDF: 37.0/57

In: -361.649+/-216.077 χ^2/NDF:49.0/49

Out: -335.152+/-213.968 χ^2/NDF:51.4/55

All: -348.271+/-152.038 χ^2/NDF: 100.5/105



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

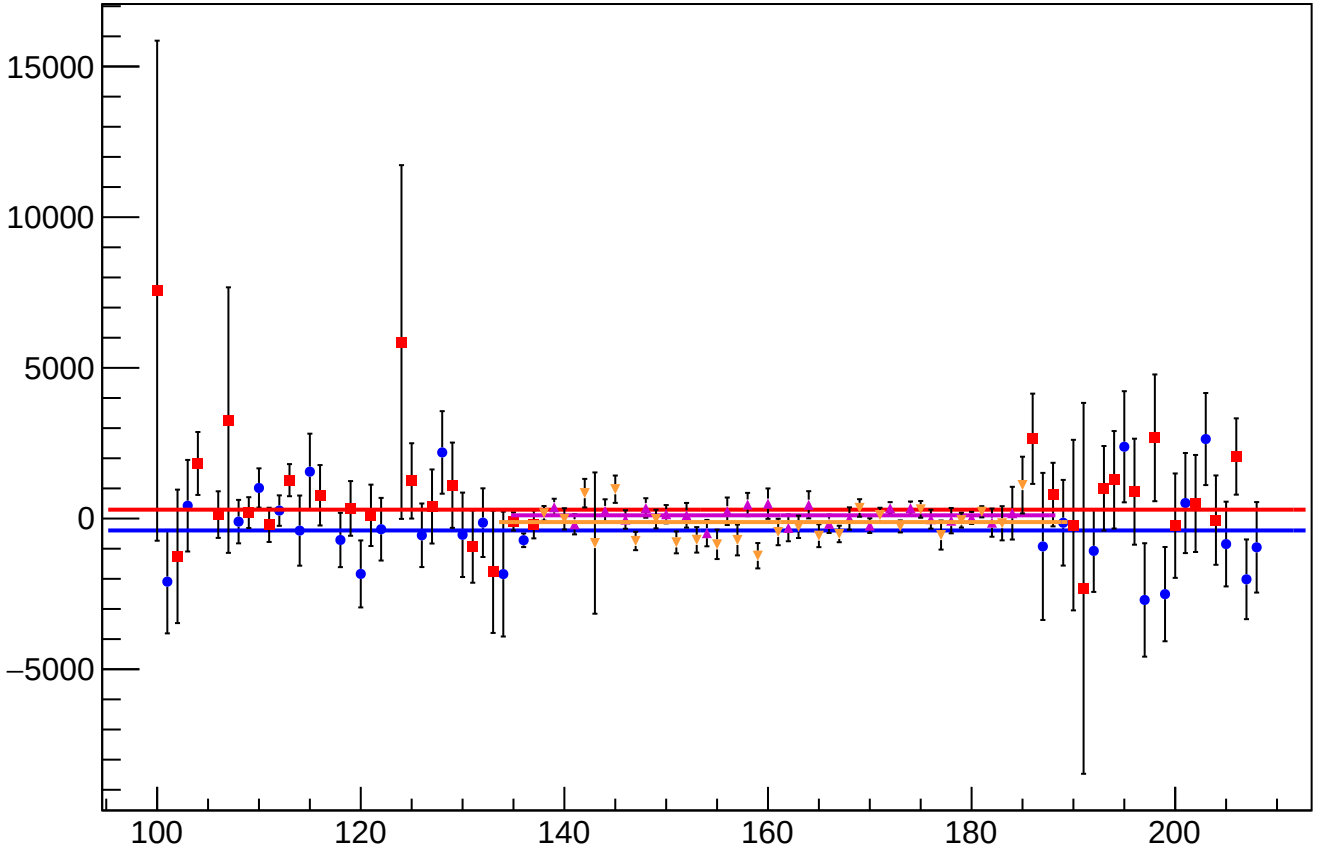
Right: 1277.336+/-0.161 χ^2/NDF: 1040854.4/57

In: 1257.647+/-0.153 χ^2/NDF:578852.6/49

Out: 1267.693+/-0.151 χ^2/NDF:718606.8/55

All: 1262.719+/-0.108 χ^2/NDF: 1299642.5/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 294.835+/-159.092 χ^2/NDF: 22.1/30

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

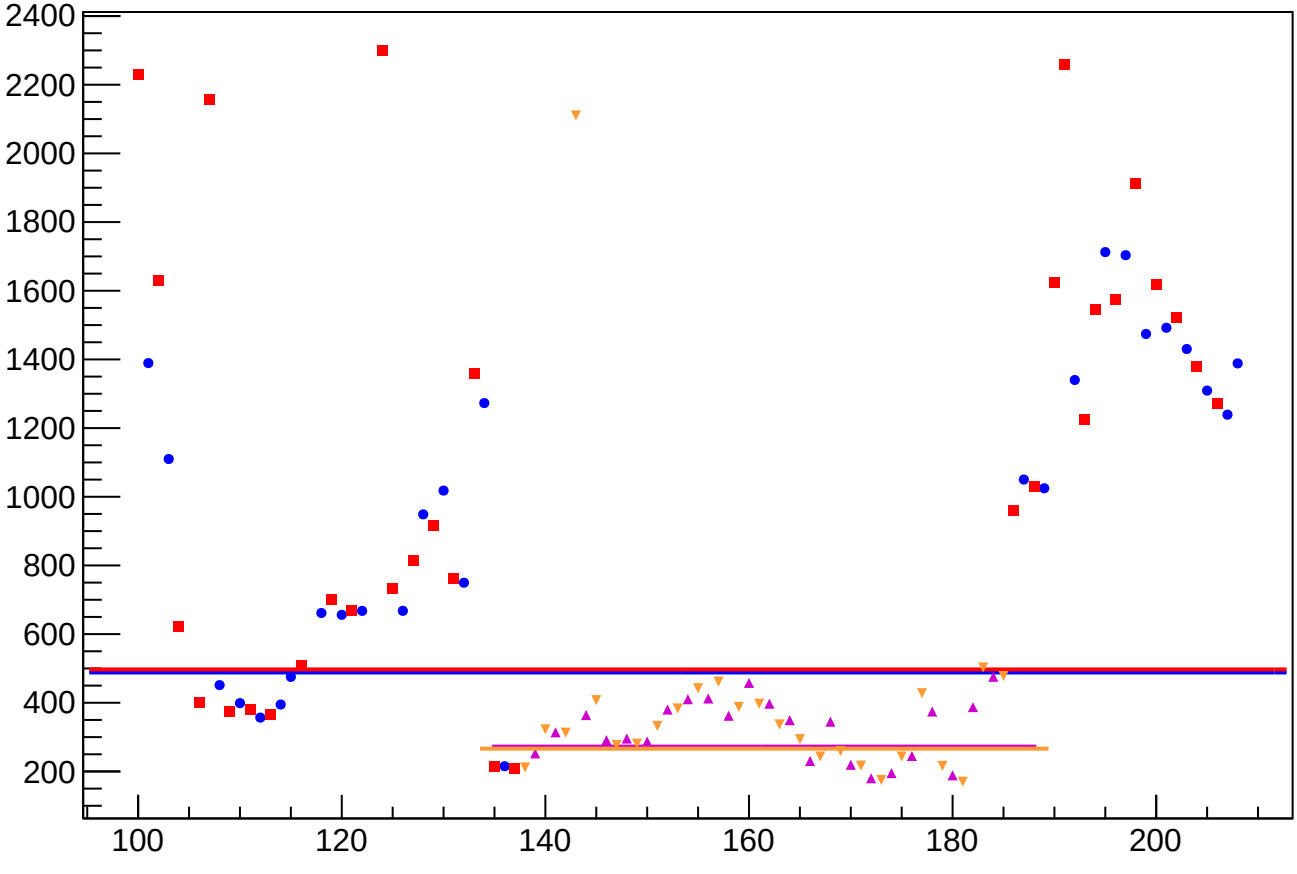
Right: -51.523+/-112.257 χ^2/NDF: 61.6/57

In: 31.127+/-61.709 χ^2/NDF:52.3/49

Out: -58.020+/-60.218 χ^2/NDF:76.3/55

All: -14.536+/-43.098 χ^2/NDF: 129.7/105

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

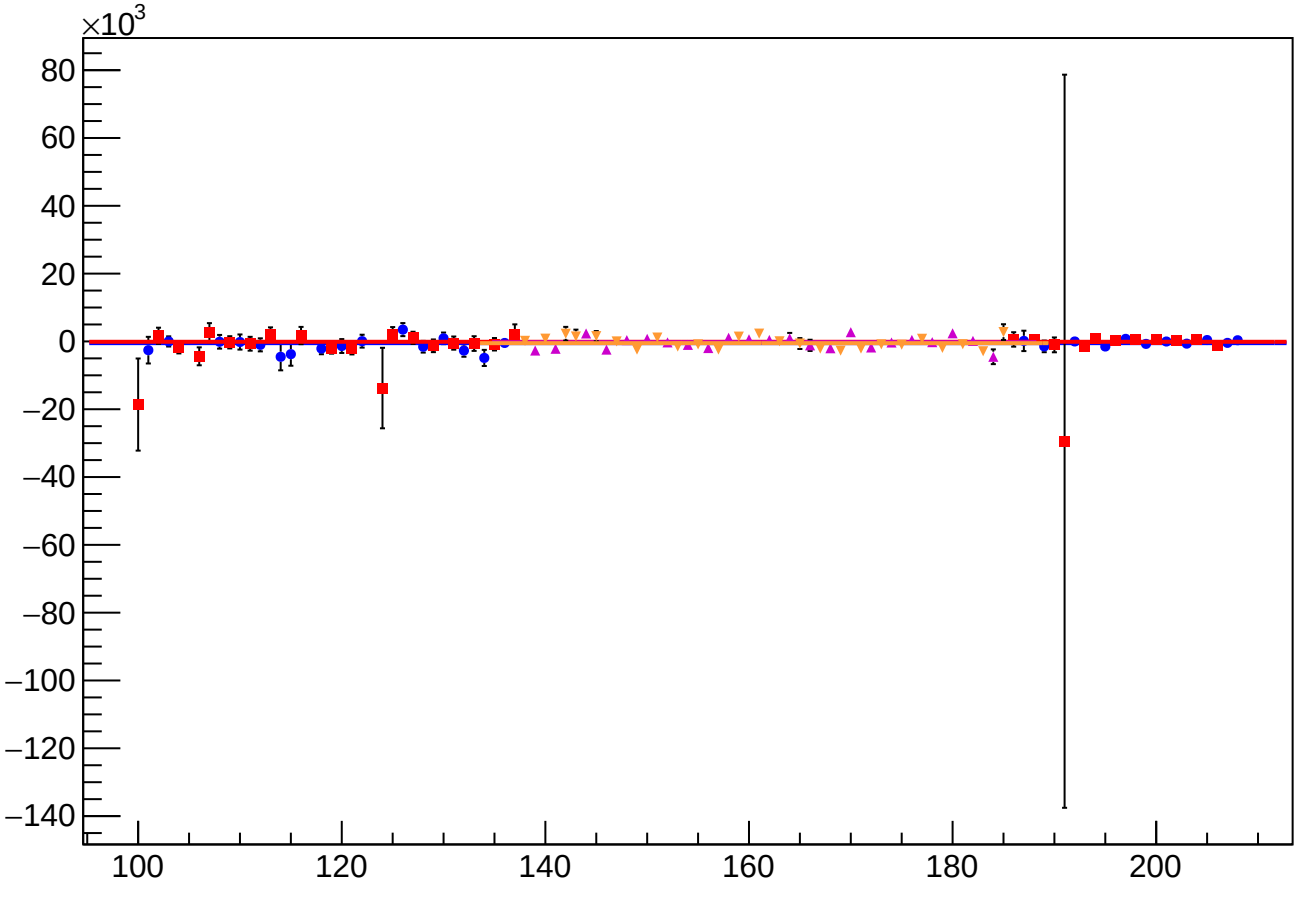
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 492.676+/-0.079 χ^2/NDF: 24571944.9/57

In: 305.130+/-0.044 χ^2/NDF:18328105.7/49

Out: 299.385+/-0.043 χ^2/NDF:20515826.8/55

All: 302.187+/-0.030 χ^2/NDF: 38852812.1/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

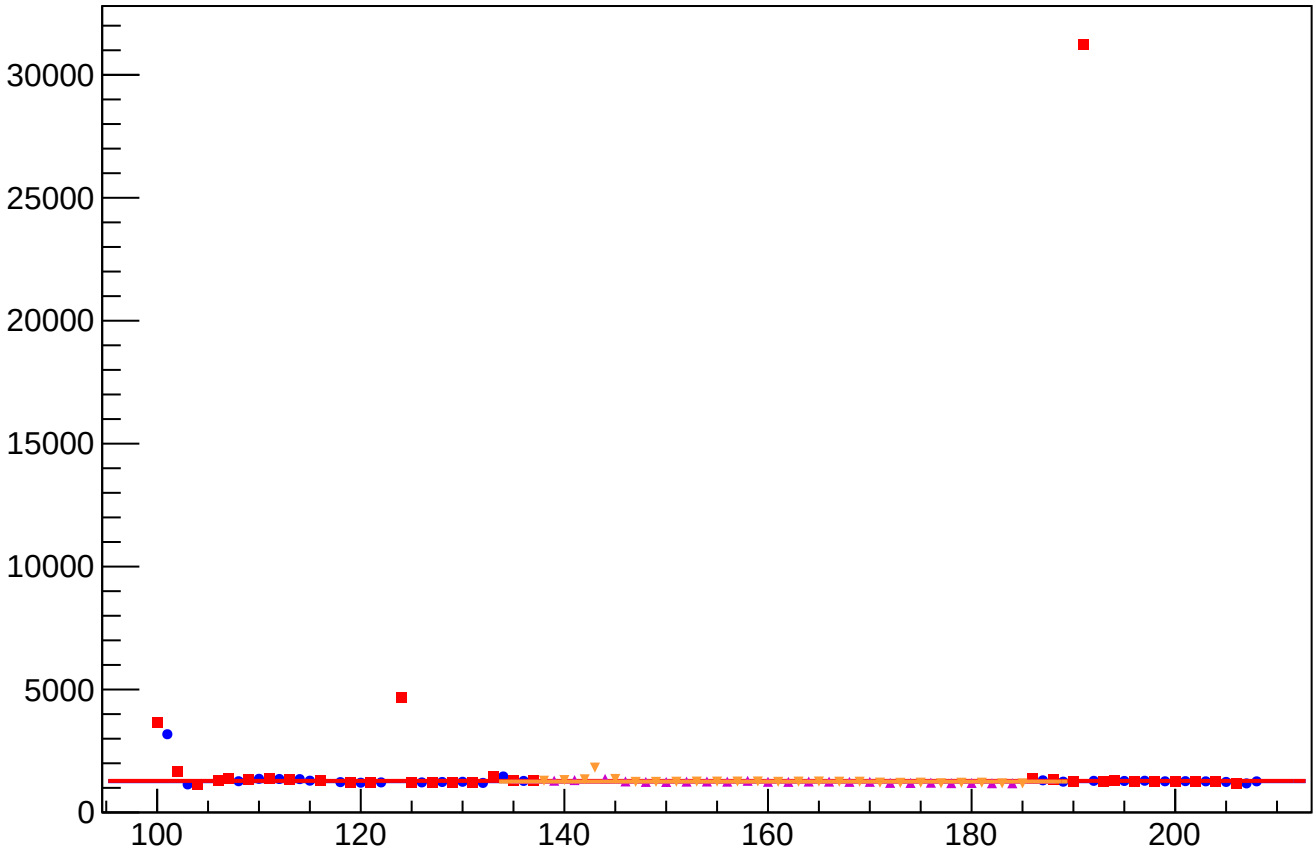
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -306.666+/-228.065 χ^2/NDF: 37.1/57

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -347.960+/-152.054 χ^2/NDF: 100.5/105



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

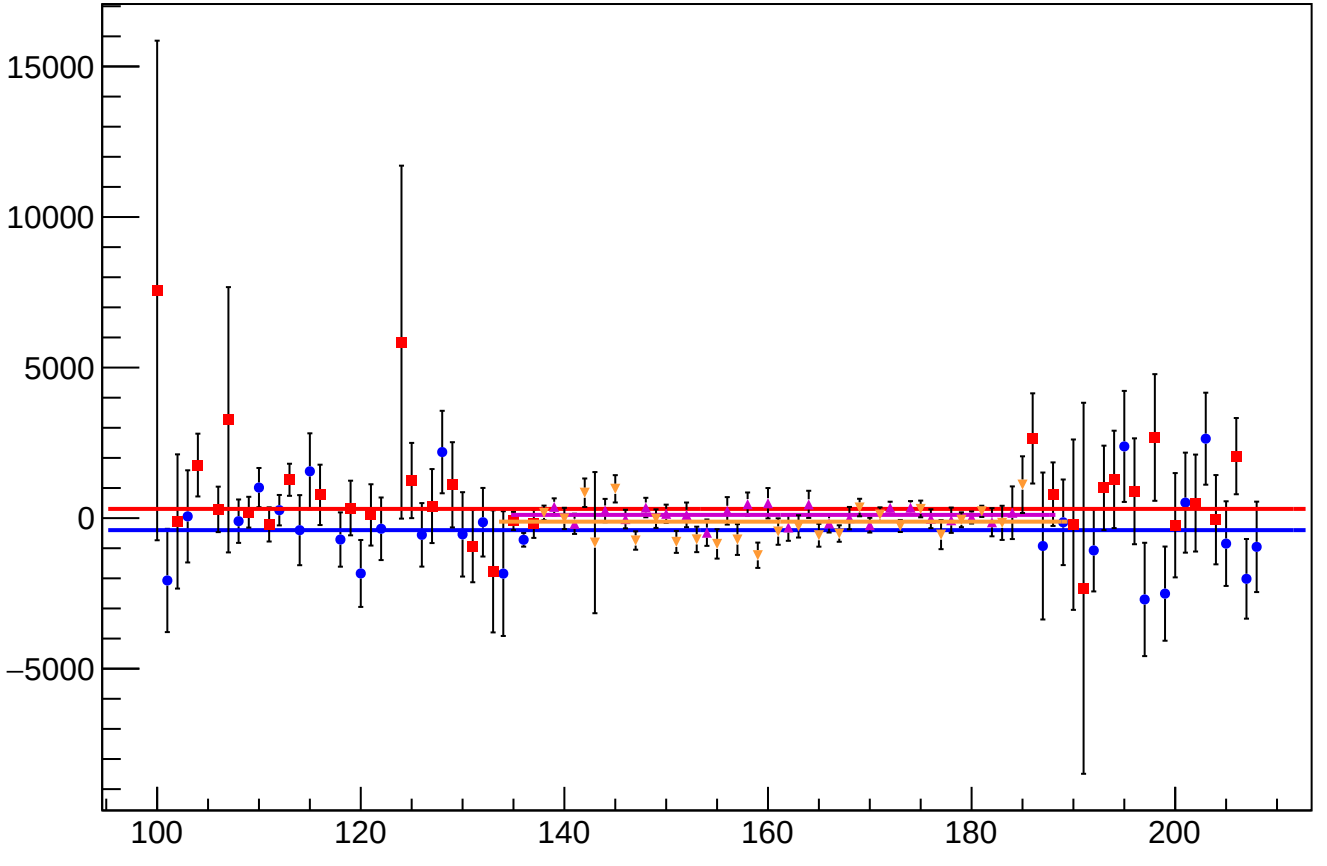
Right: 1277.646+/-0.161 χ^2/NDF: 1040992.0/57

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

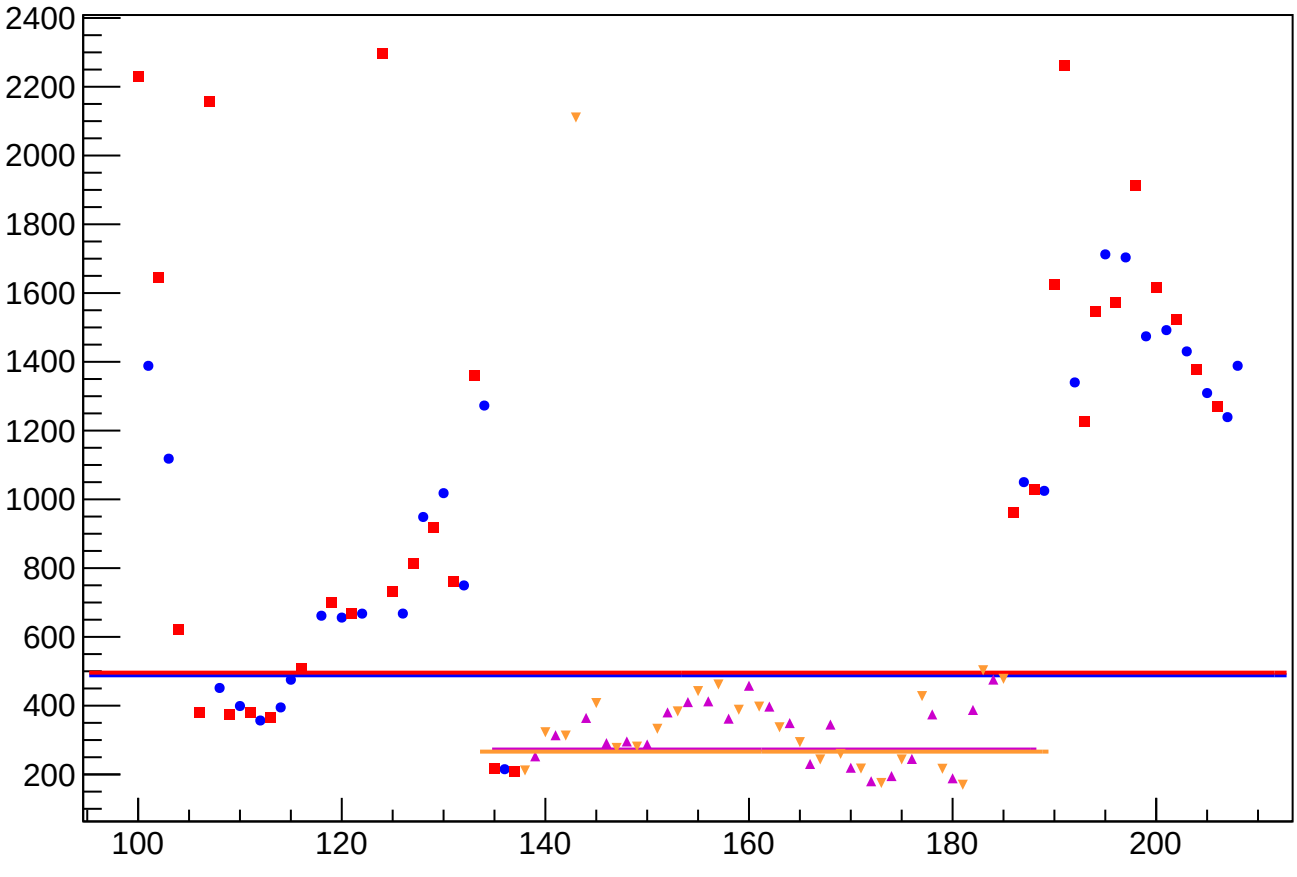
Right: -47.434+/-112.205 χ^2/NDF: 61.1/57

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -13.879+/-43.096 χ^2/NDF: 129.2/105

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

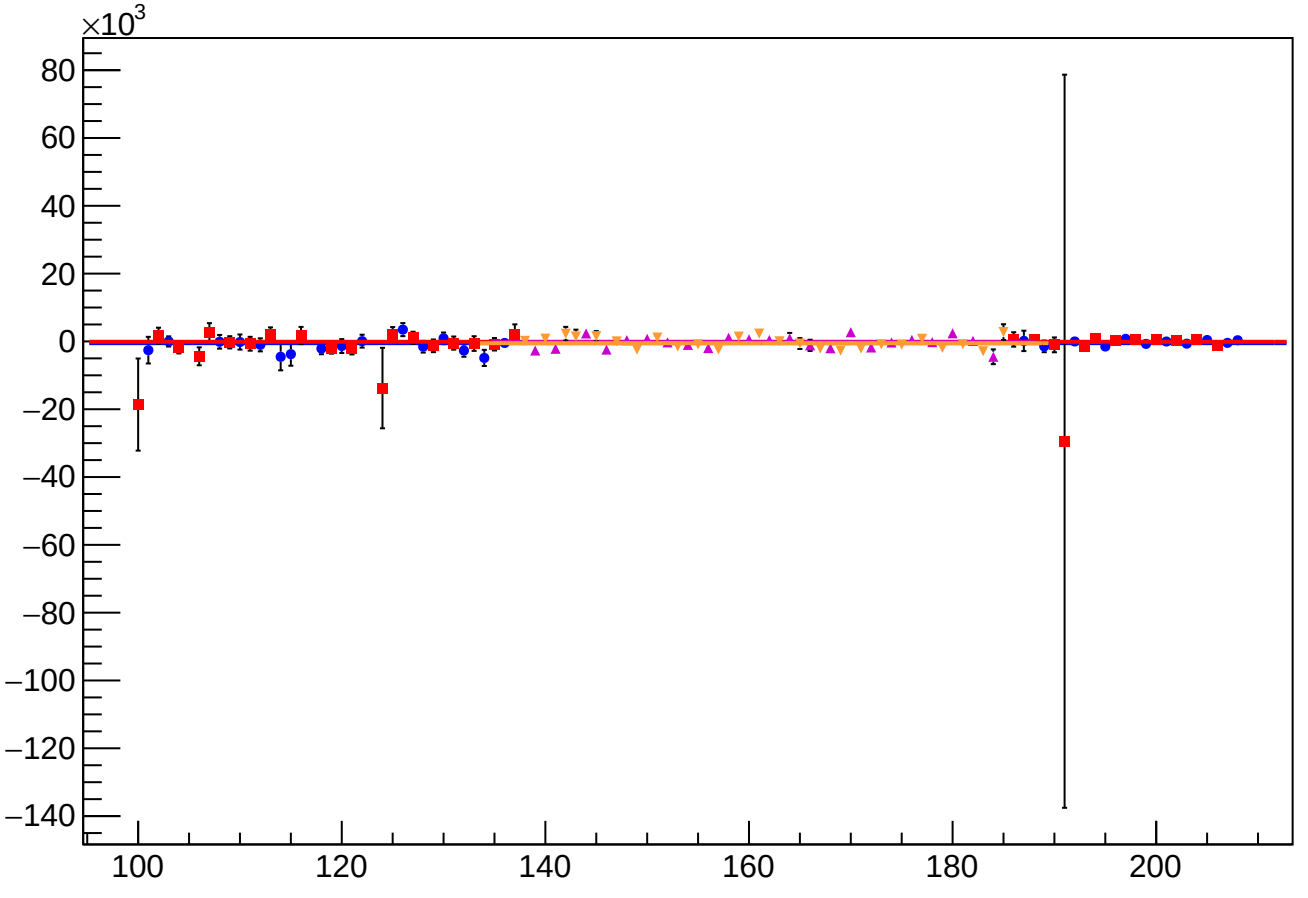
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 492.160+/-0.079 χ^2/NDF: 24596933.4/57

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 302.144+/-0.030 χ^2/NDF: 38851218.9/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -105.587+/-322.696 χ^2/NDF: 19.7/30

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

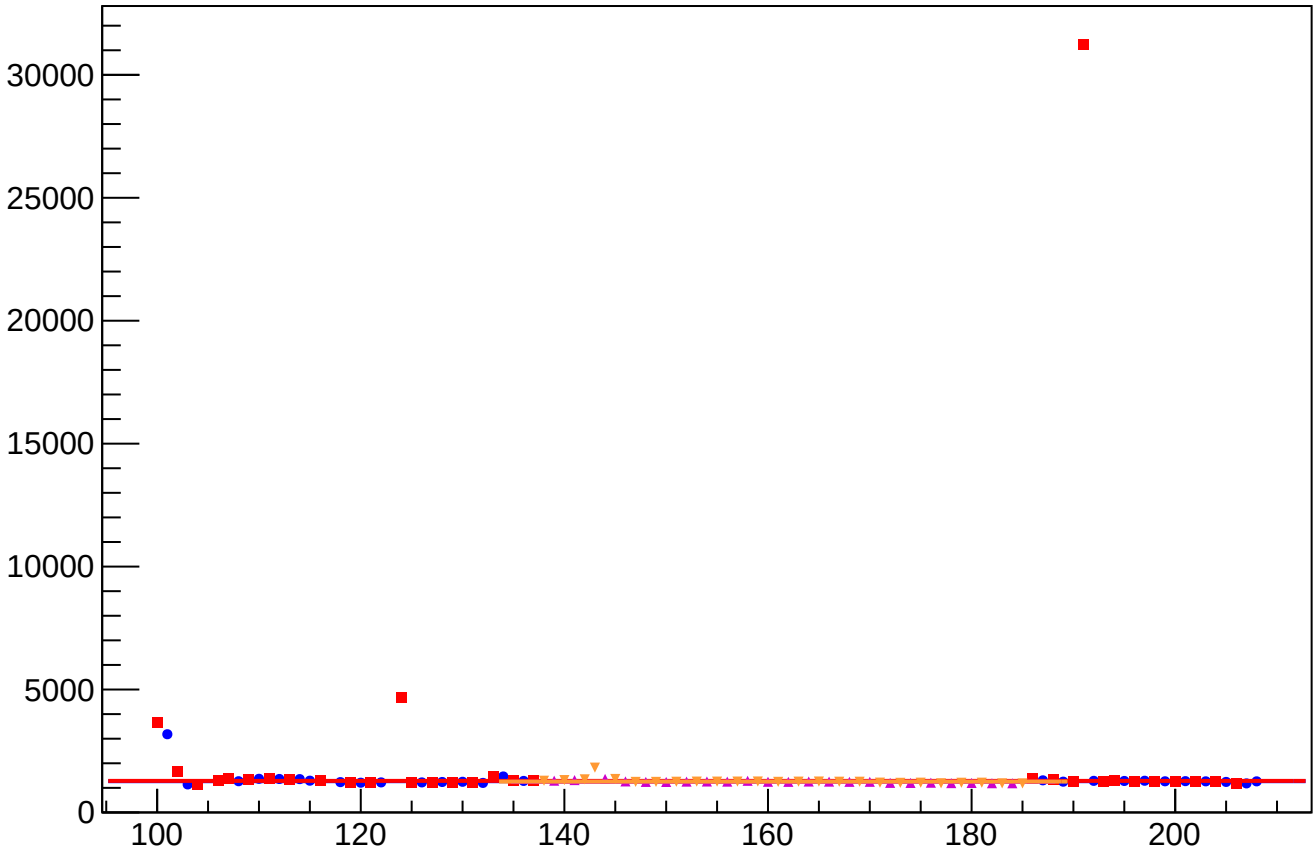
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -306.666+/-228.065 χ^2/NDF: 37.1/57

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -347.960+/-152.054 χ^2/NDF: 100.5/105



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

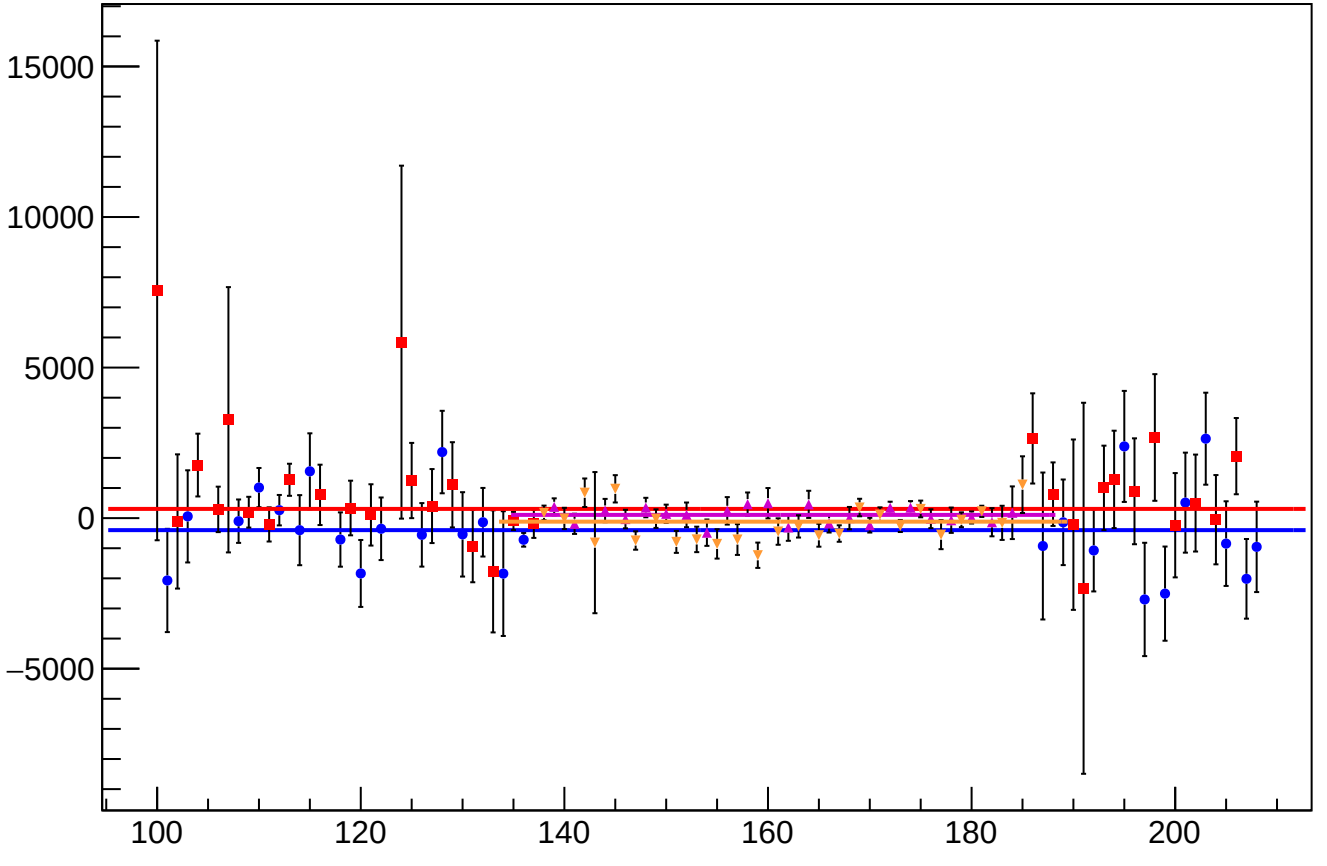
Right: 1277.646+/-0.161 χ^2/NDF: 1040992.0/57

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.854+/-0.108 χ^2/NDF: 1300127.0/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

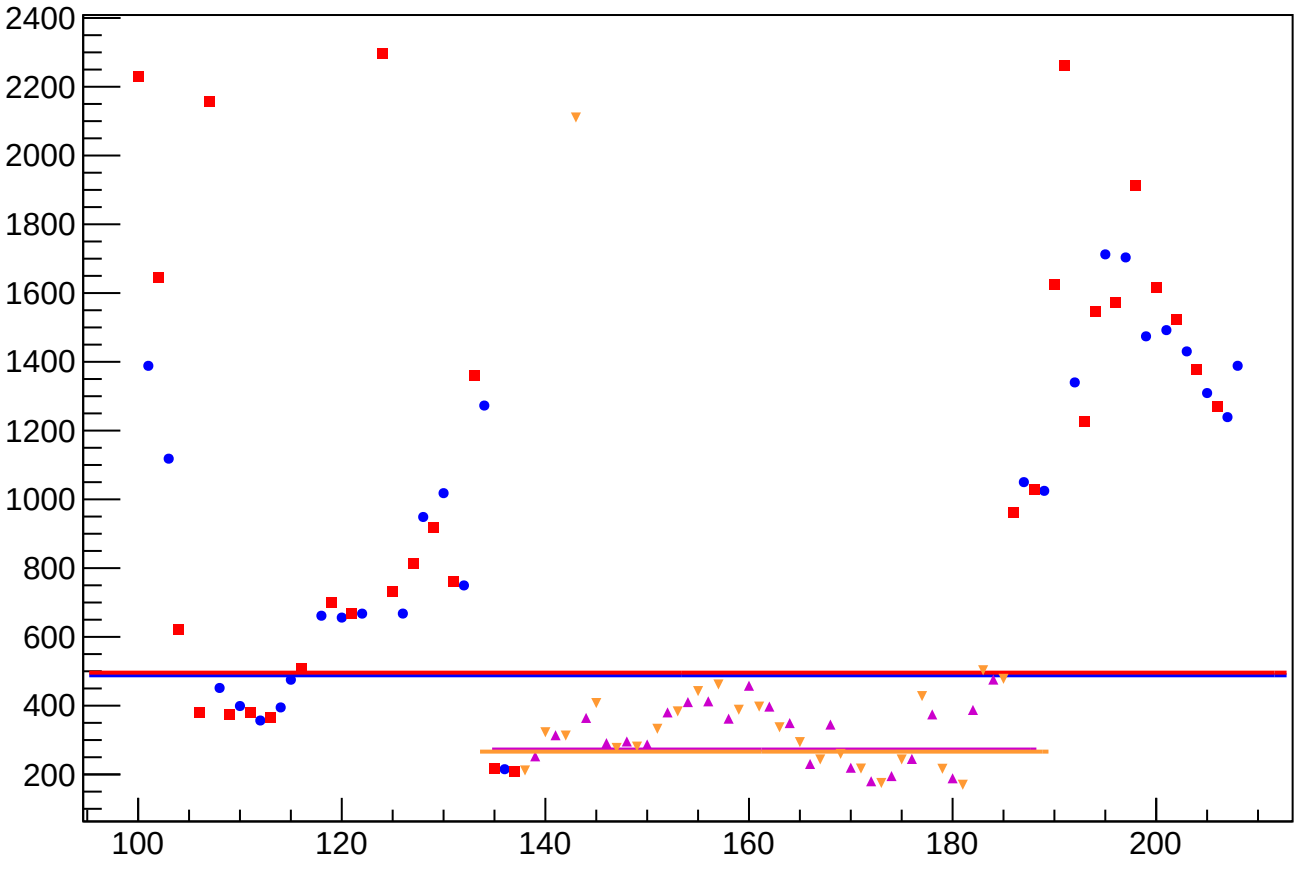
Right: -47.434+/-112.205 χ^2/NDF: 61.1/57

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -13.879+/-43.096 χ^2/NDF: 129.2/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

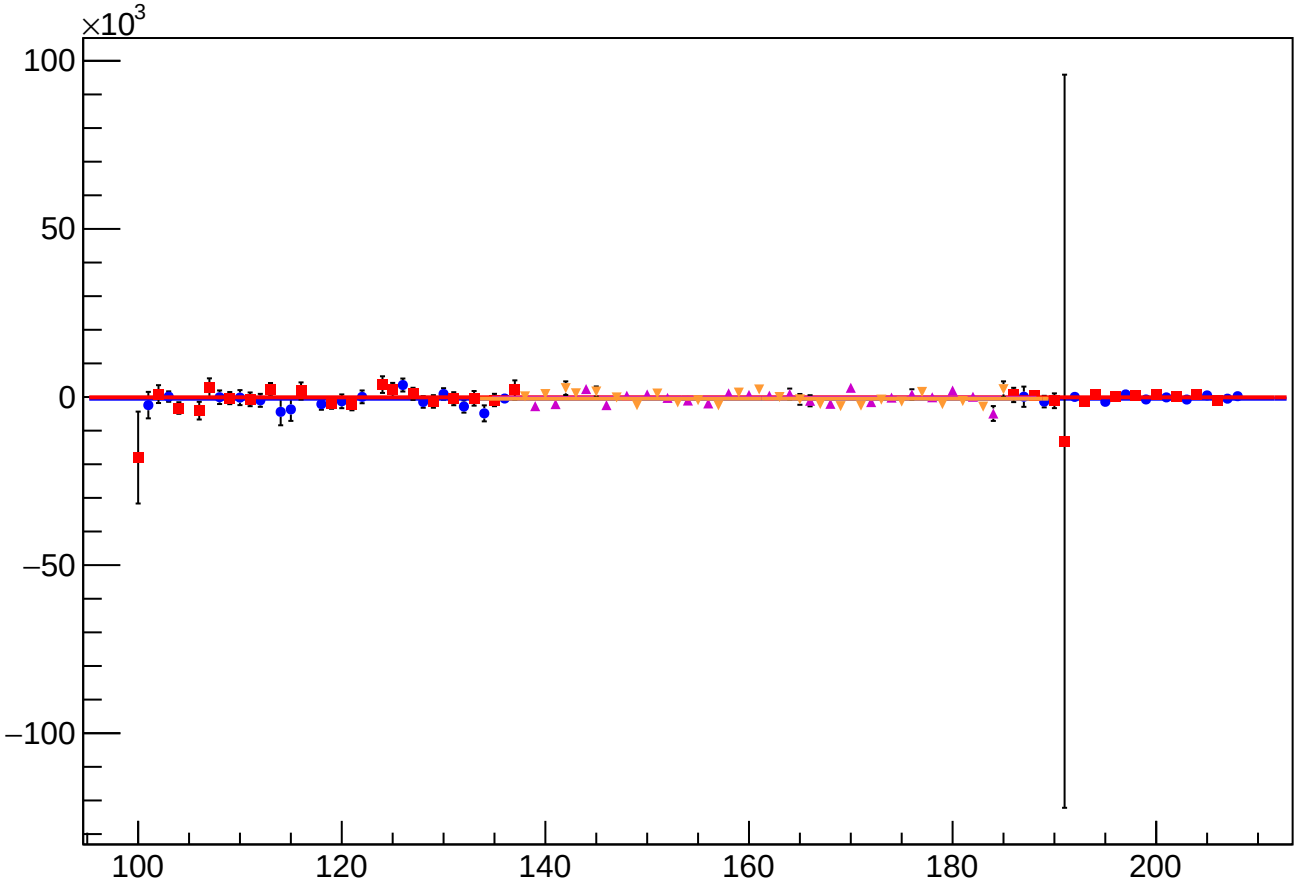
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 492.160+/-0.079 χ^2/NDF: 24596933.4/57

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 302.144+/-0.030 χ^2/NDF: 38851218.9/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.978 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

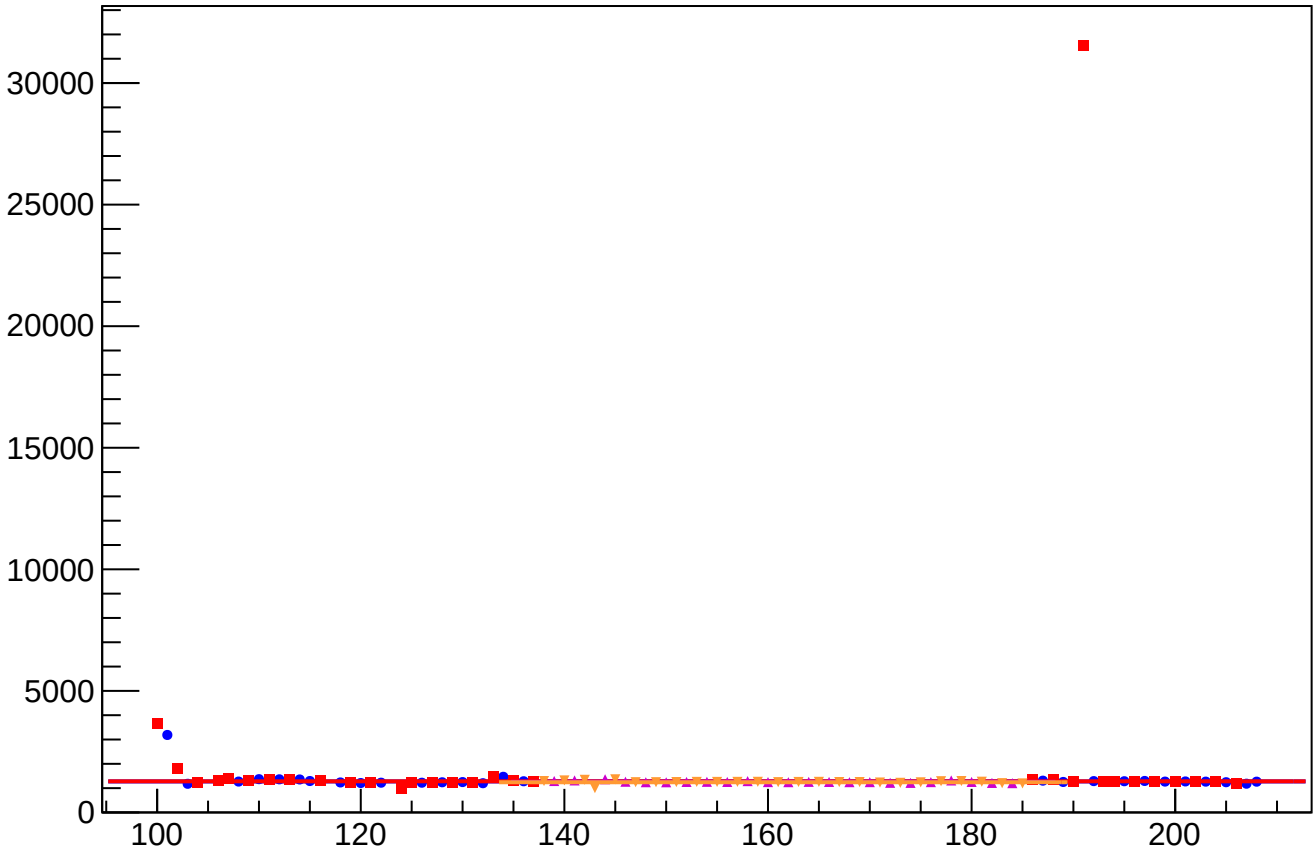
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -295.235+/-228.156 χ^2/NDF: 38.7/57

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -318.267+/-212.451 χ^2/NDF:56.4/55

All: -338.344+/-152.035 χ^2/NDF: 104.1/105



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

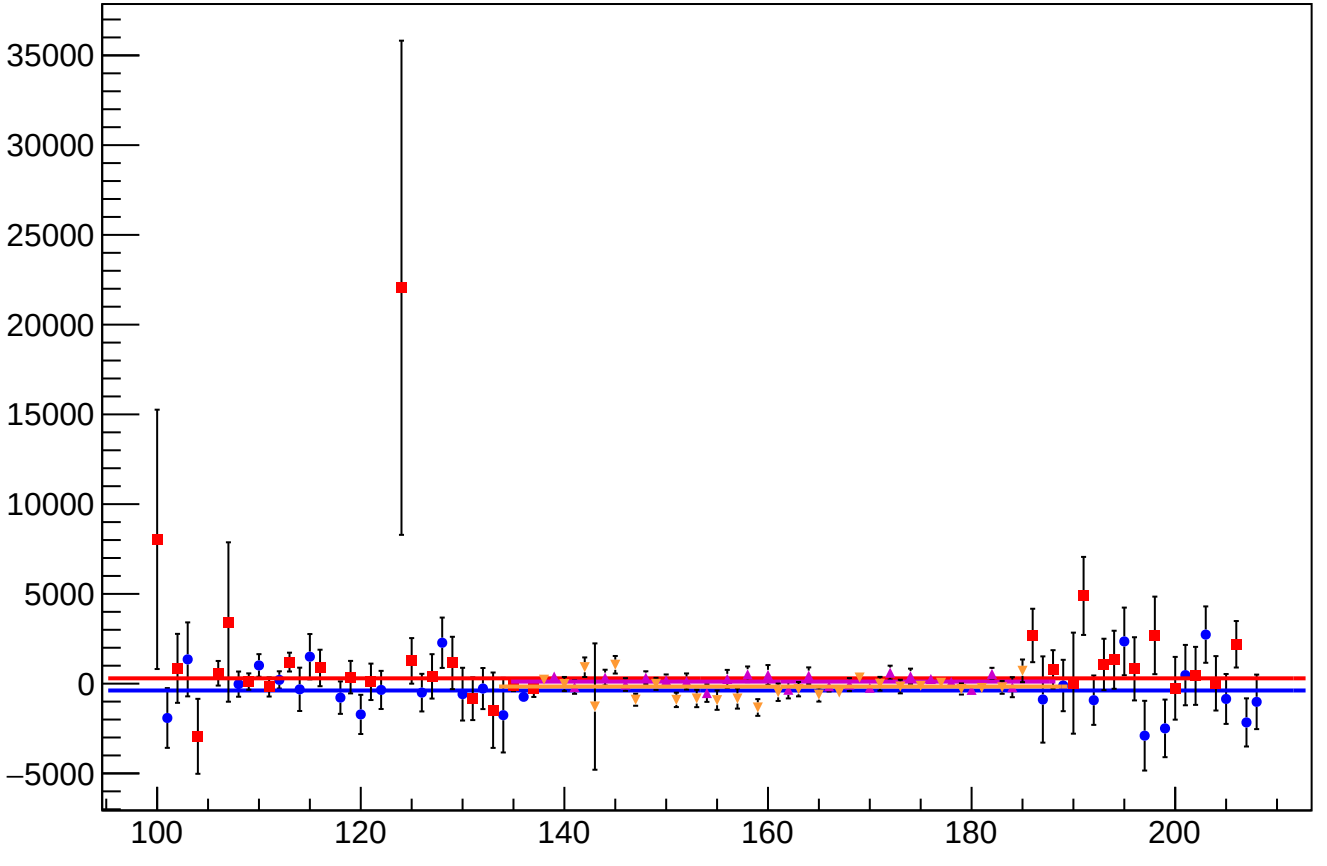
Right: 1278.253+/-0.161 χ^2/NDF: 912892.2/57

In: 1267.051+/-0.154 χ^2/NDF:555451.4/49

Out: 1259.300+/-0.150 χ^2/NDF:533704.5/55

All: 1263.081+/-0.108 χ^2/NDF: 1090454.8/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.054+/-158.992 χ^2/NDF: 28.1/30

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

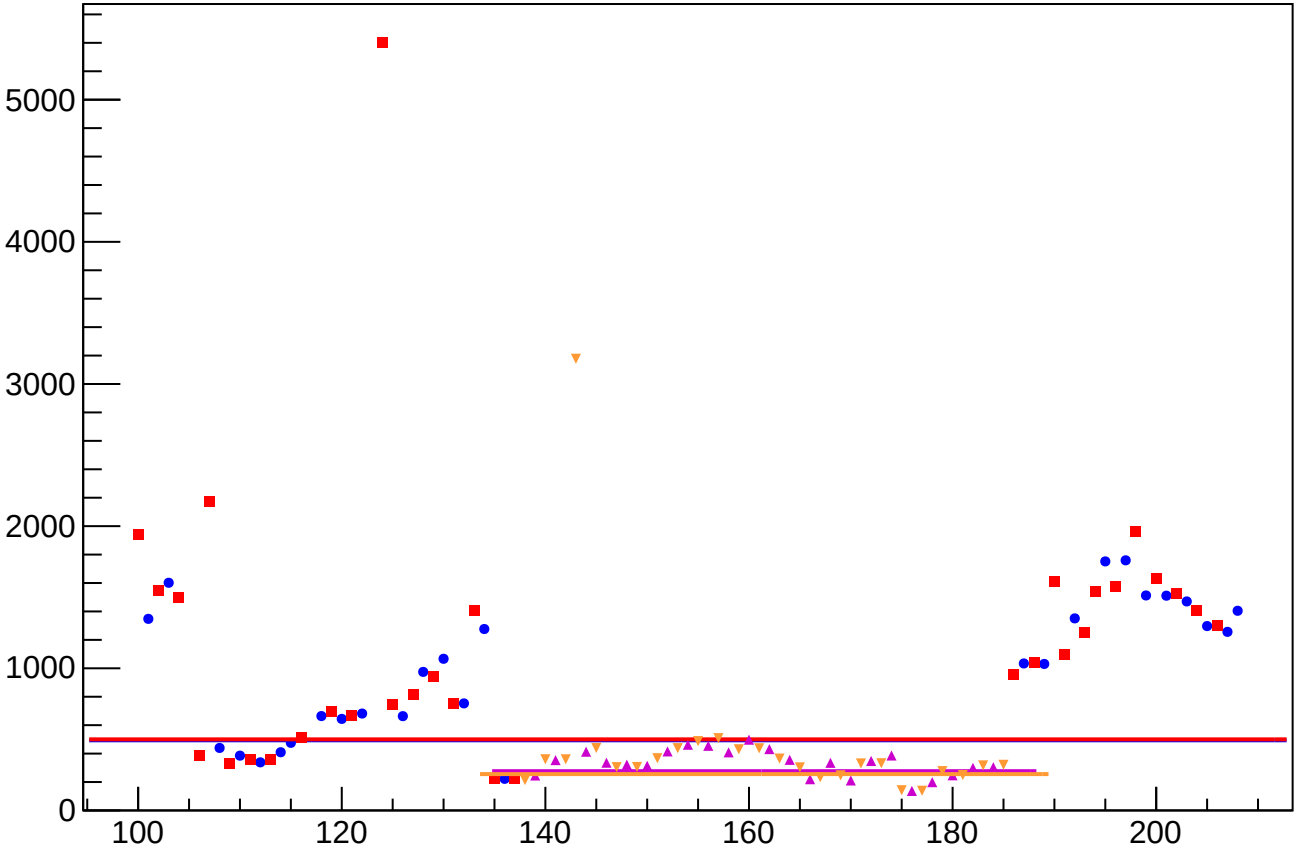
Right: -40.172+/-112.819 χ^2/NDF: 67.5/57

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -96.980+/-59.476 χ^2/NDF:78.9/55

All: -34.327+/-43.327 χ^2/NDF: 138.0/105

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

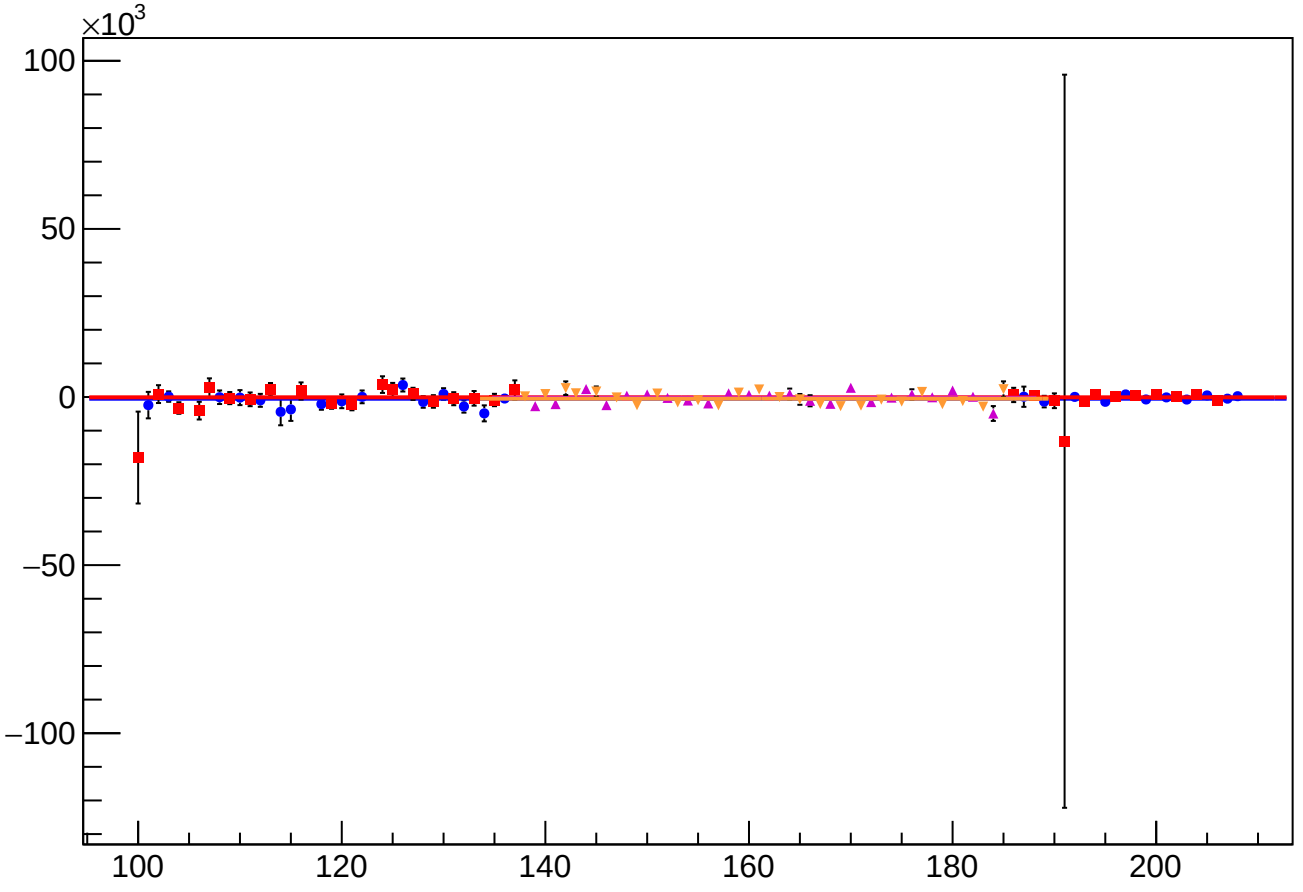
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 496.912+/-0.080 χ^2/NDF: 25273297.6/57

In: 310.203+/-0.045 χ^2/NDF:19577303.0/49

Out: 289.968+/-0.042 χ^2/NDF:23269459.5/55

All: 299.465+/-0.031 χ^2/NDF: 42955415.4/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -91.096+/-321.977 χ^2/NDF: 21.3/30

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

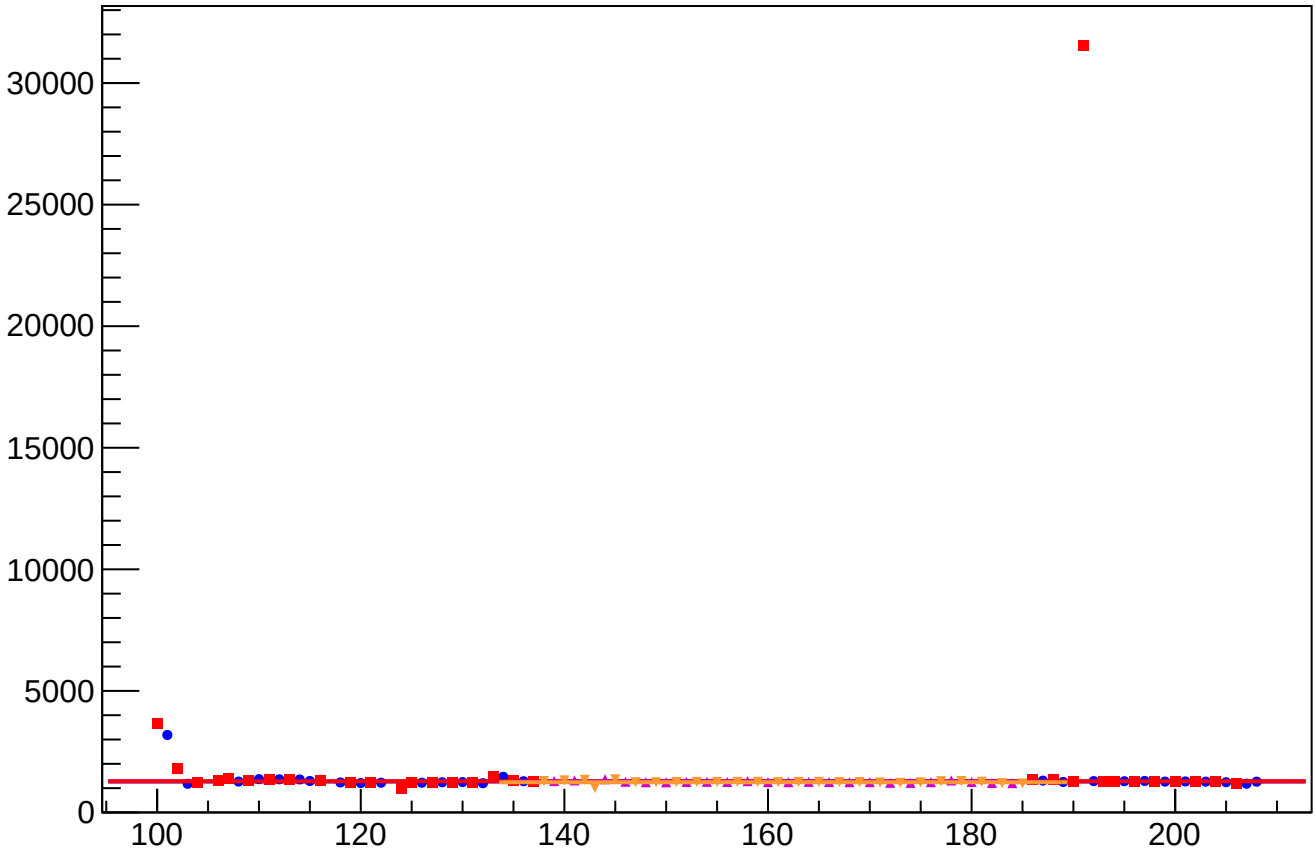
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -295.235+/-228.156 χ^2/NDF: 38.7/57

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -318.266+/-212.451 χ^2/NDF:56.4/55

All: -338.343+/-152.035 χ^2/NDF: 104.1/105



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

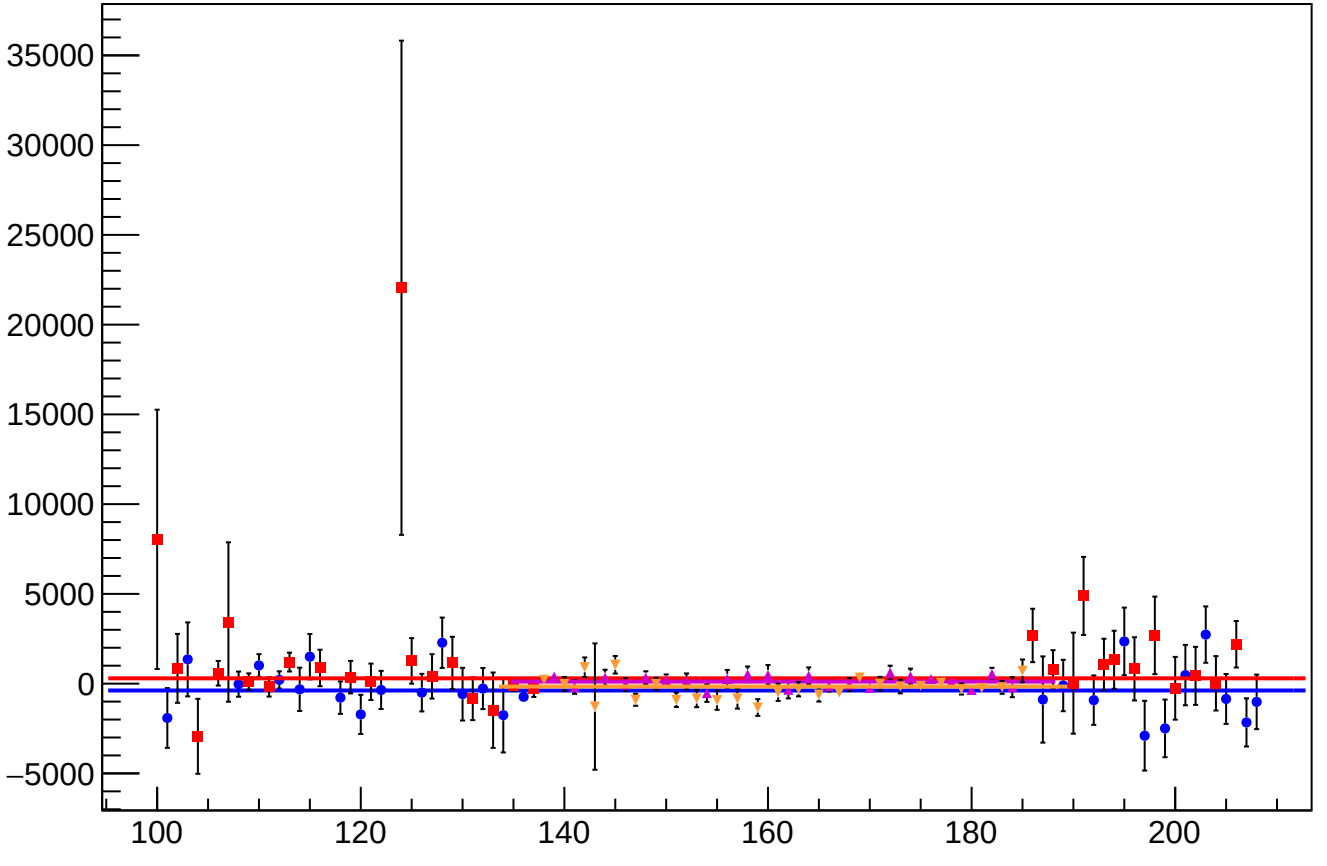
Right: 1278.253+/-0.161 χ^2/NDF: 912892.5/57

In: 1267.051+/-0.154 χ^2/NDF:555451.5/49

Out: 1259.300+/-0.150 χ^2/NDF:533703.9/55

All: 1263.081+/-0.108 χ^2/NDF: 1090454.2/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

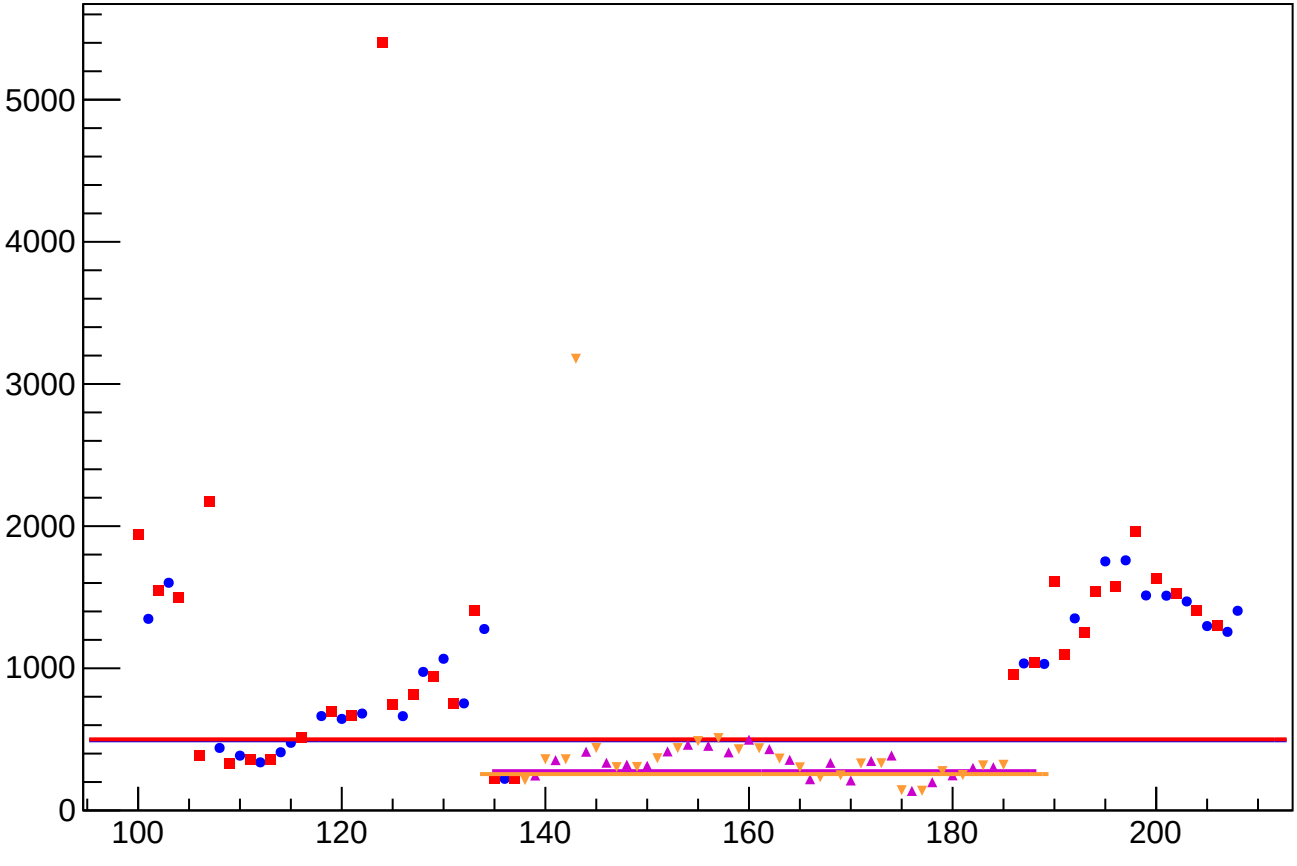
Right: -40.167+/-112.821 χ^2/NDF: 67.5/57

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -96.982+/-59.477 χ^2/NDF:78.9/55

All: -34.328+/-43.327 χ^2/NDF: 138.0/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

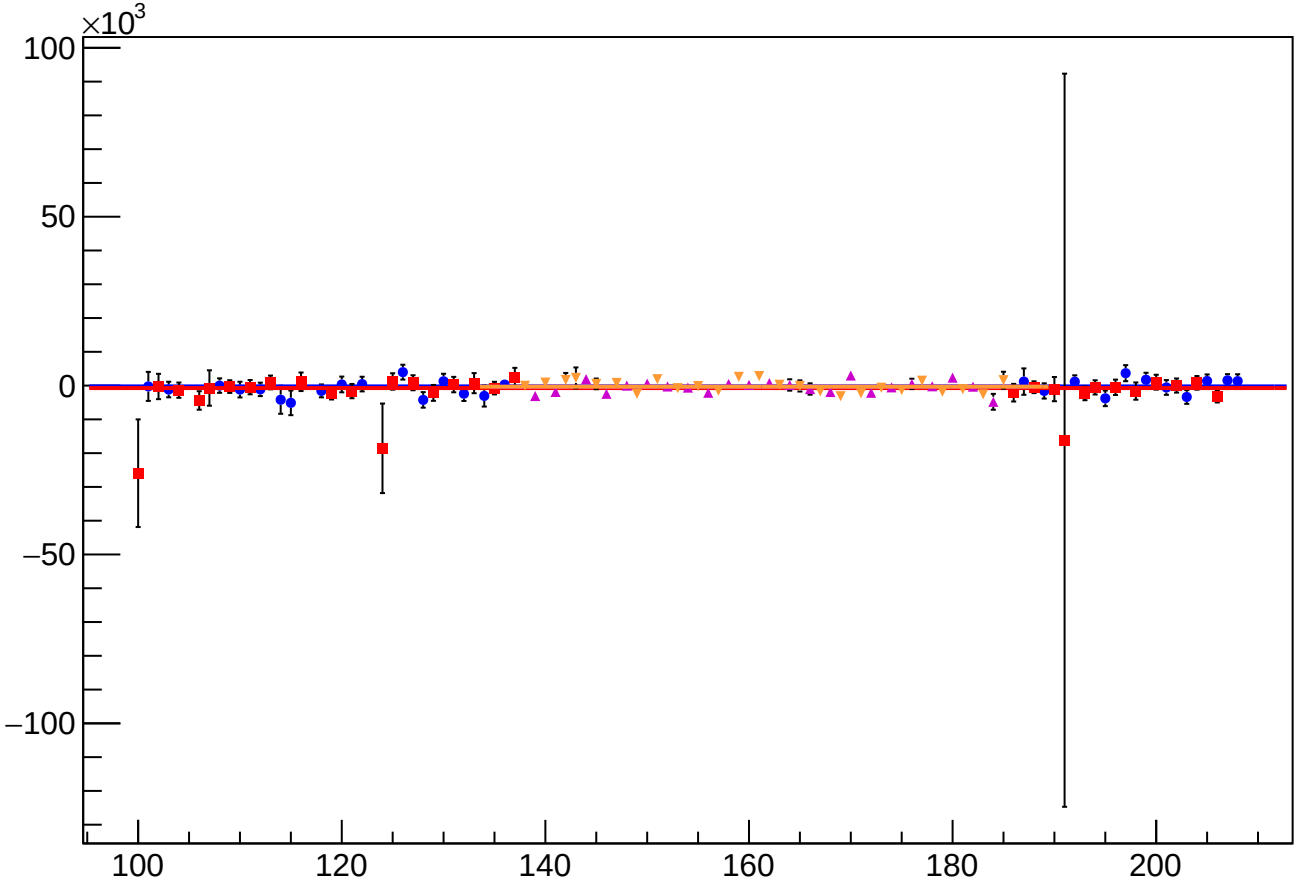
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 496.923+/-0.080 χ^2/NDF: 25272642.3/57

In: 310.205+/-0.045 χ^2/NDF:19577152.9/49

Out: 289.970+/-0.042 χ^2/NDF:23269263.7/55

All: 299.467+/-0.031 χ^2/NDF: 42955063.7/10



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -731.385+/-426.611 χ^2/NDF: 15.9/30

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

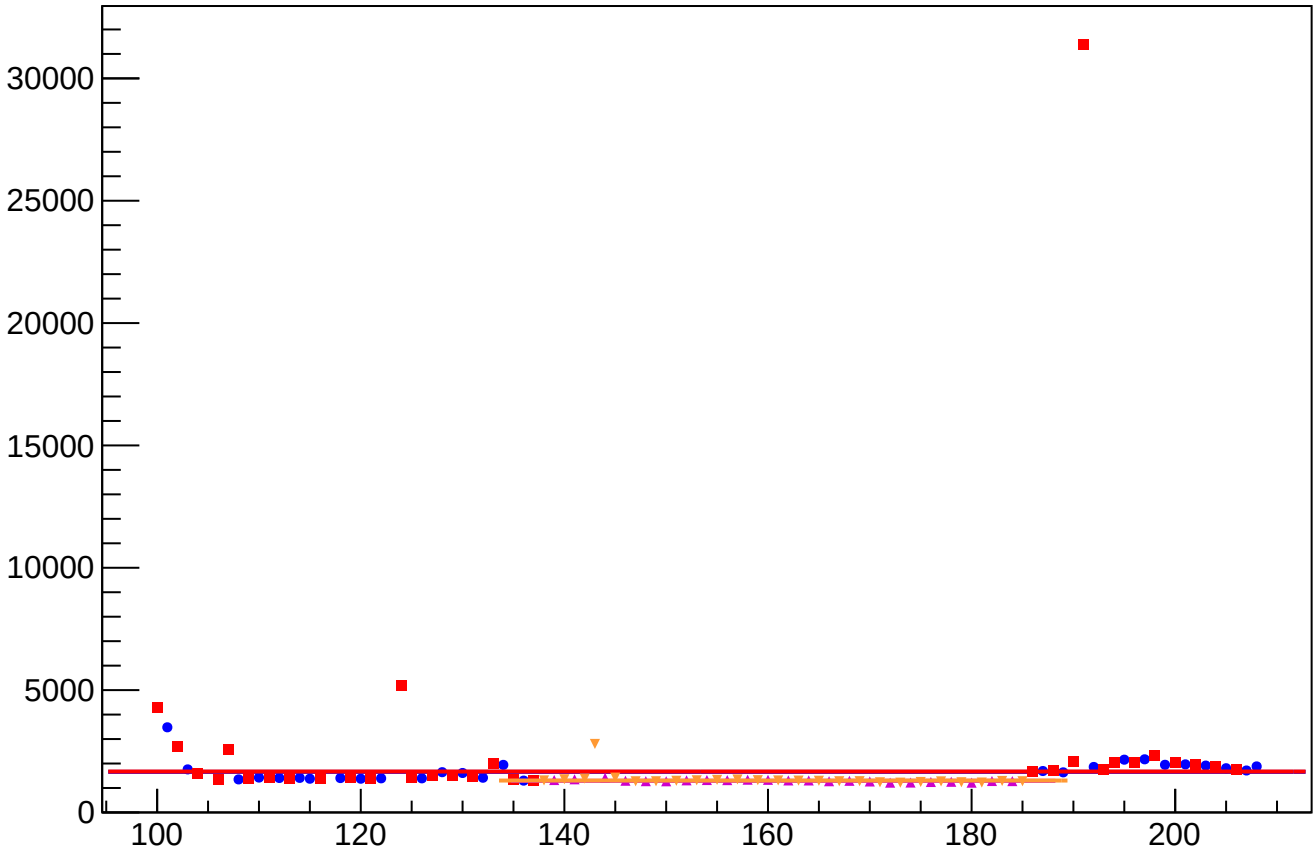
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -485.893+/-301.077 χ^2/NDF: 41.2/57

In: -318.118+/-246.118 χ^2/NDF:54.3/49

Out: -454.898+/-244.449 χ^2/NDF:48.1/55

All: -386.973+/-173.439 χ^2/NDF: 102.6/105



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

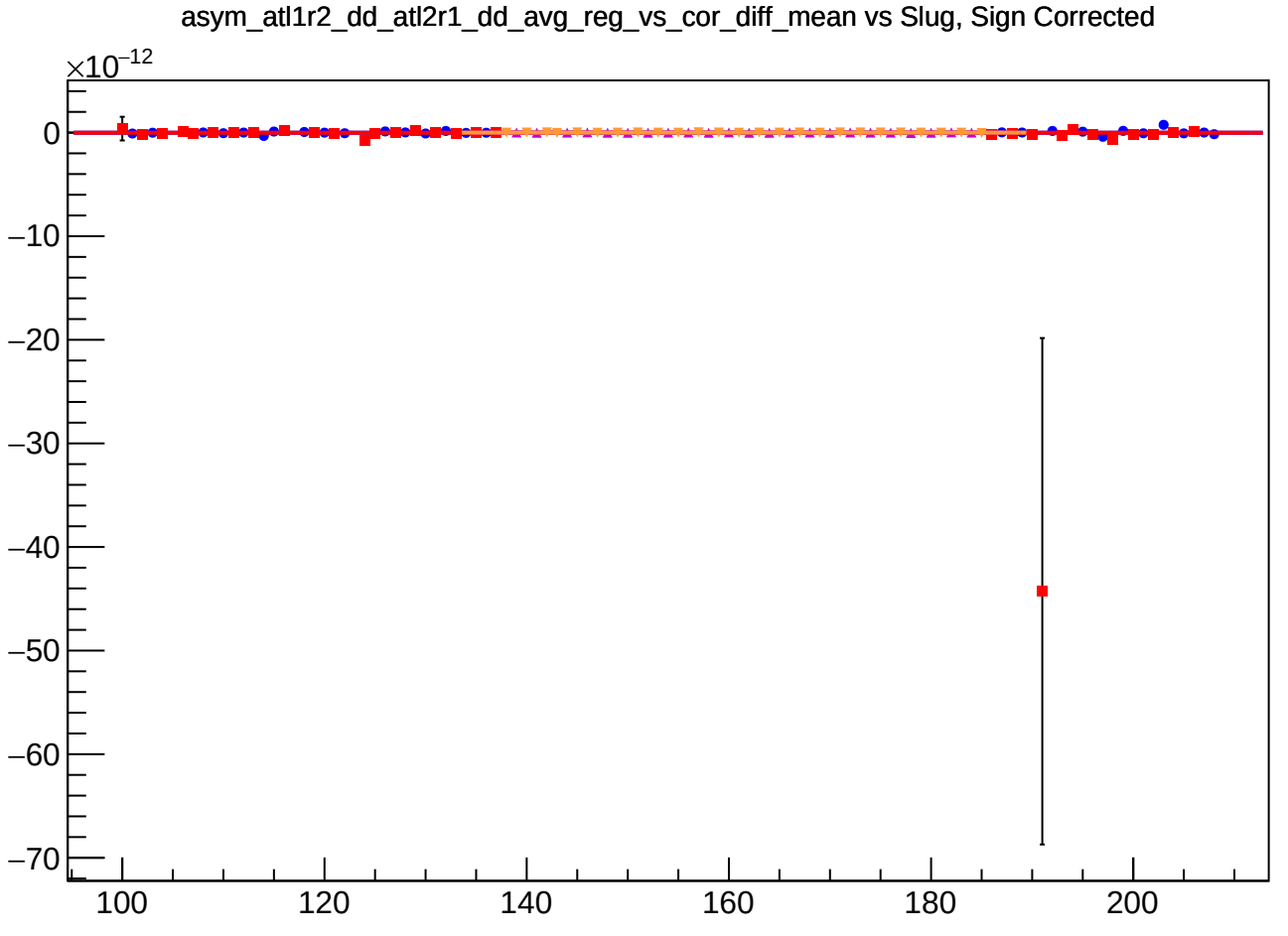
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1665.467+/-0.213 χ^2/NDF: 2505262.8/57

In: 1414.976+/-0.174 χ^2/NDF:2165665.7/49

Out: 1425.124+/-0.173 χ^2/NDF:2895765.2/55

All: 1420.085+/-0.123 χ^2/NDF: 5063142.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

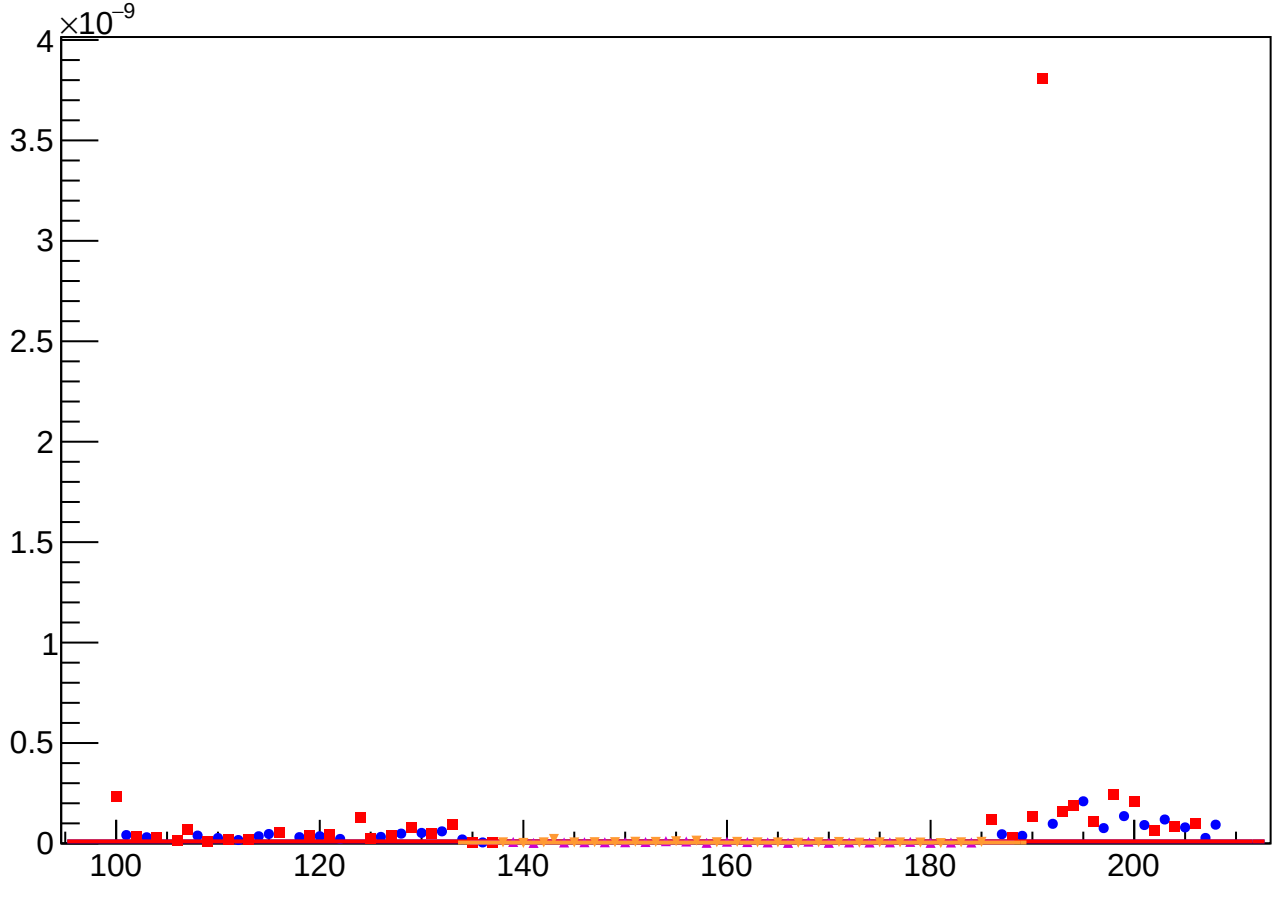
Right: -0.000+/-0.000 χ^2/NDF: 66.4/57

In: -0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: -0.000+/-0.000 χ^2/NDF: 125.6/105

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

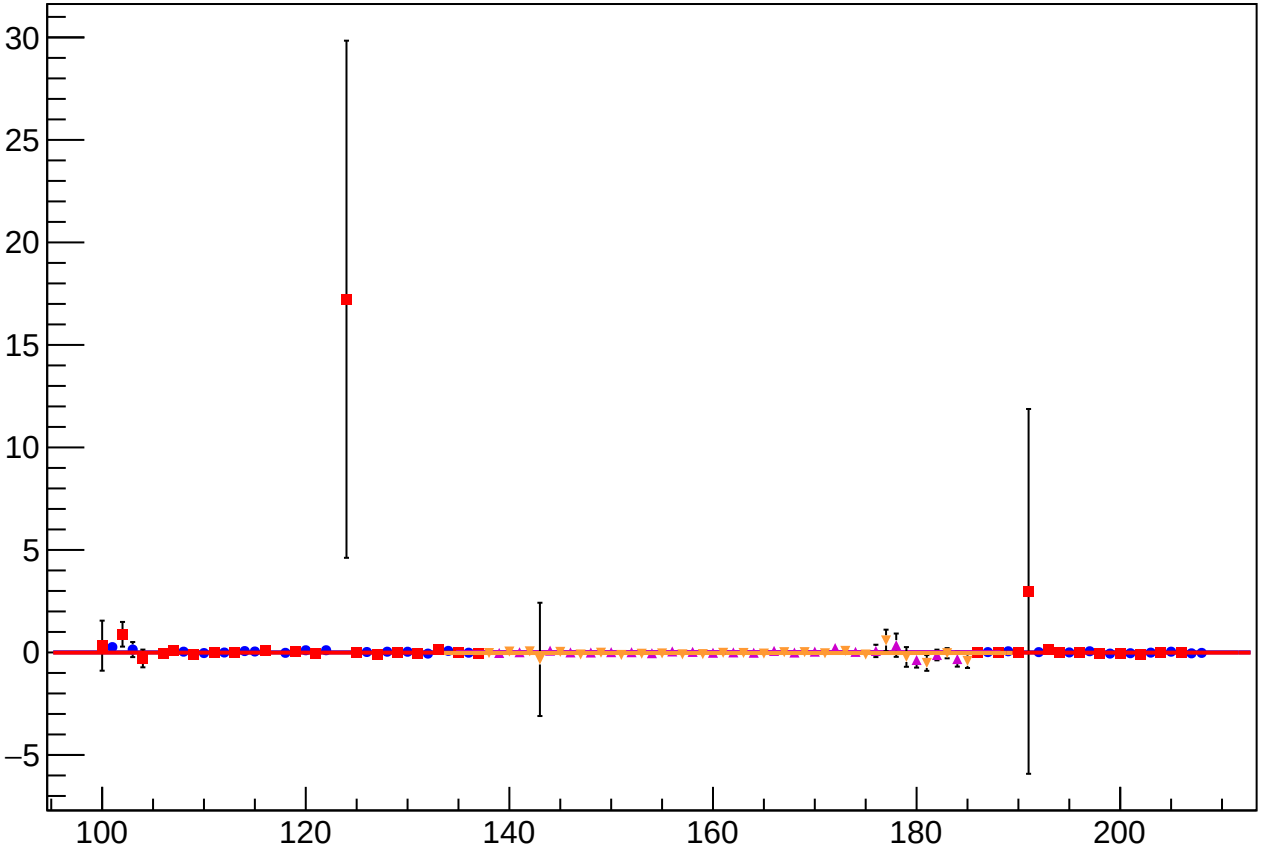
Right: 0.000+/-0.000 χ^2/NDF: 16749164.9/57

In: 0.000+/-0.000 χ^2/NDF:10253278.6/49

Out: 0.000+/-0.000 χ^2/NDF:13036538.2/55

All: 0.000+/-0.000 χ^2/NDF: 23319887.0/105

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

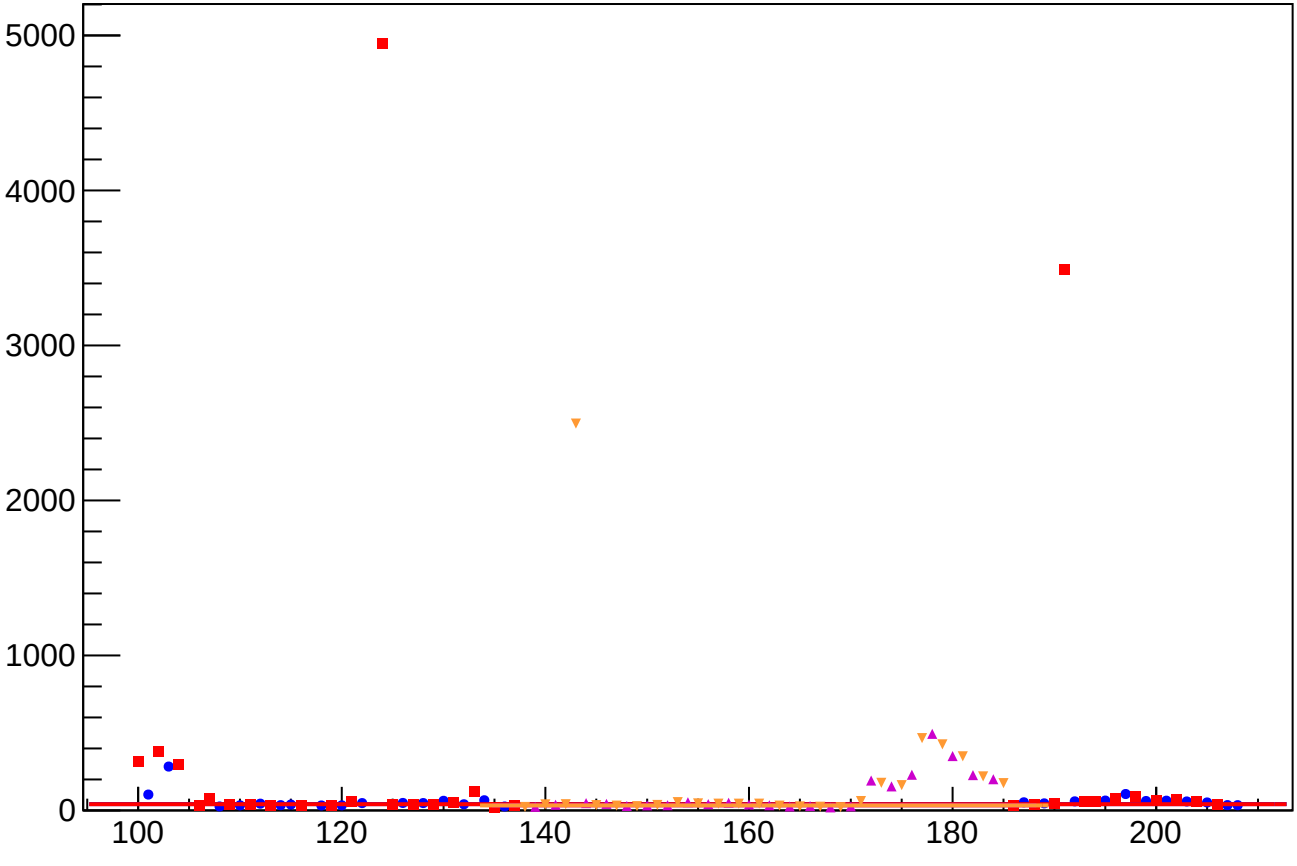
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

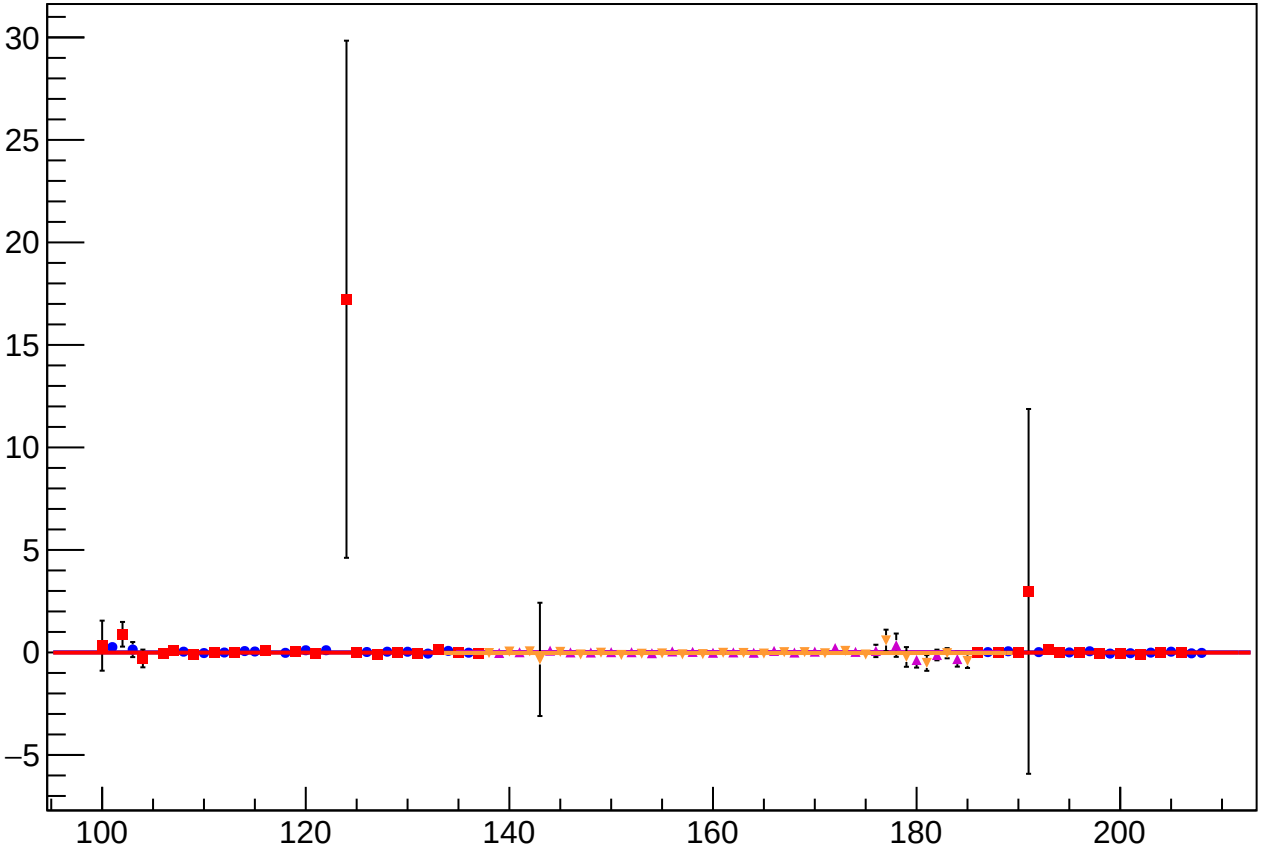
Right: 40.696+/-0.006 χ^2/NDF: 9551285.4/57

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

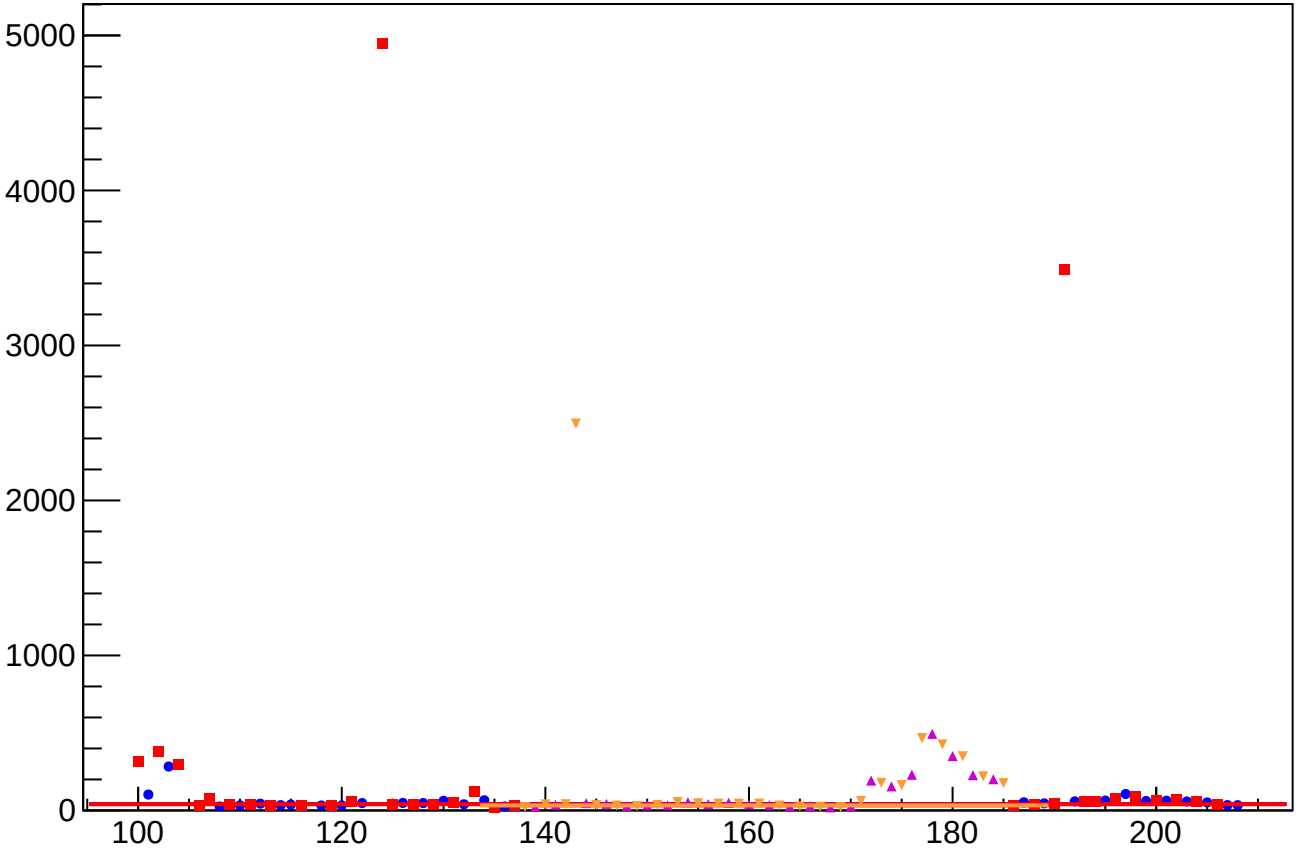
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

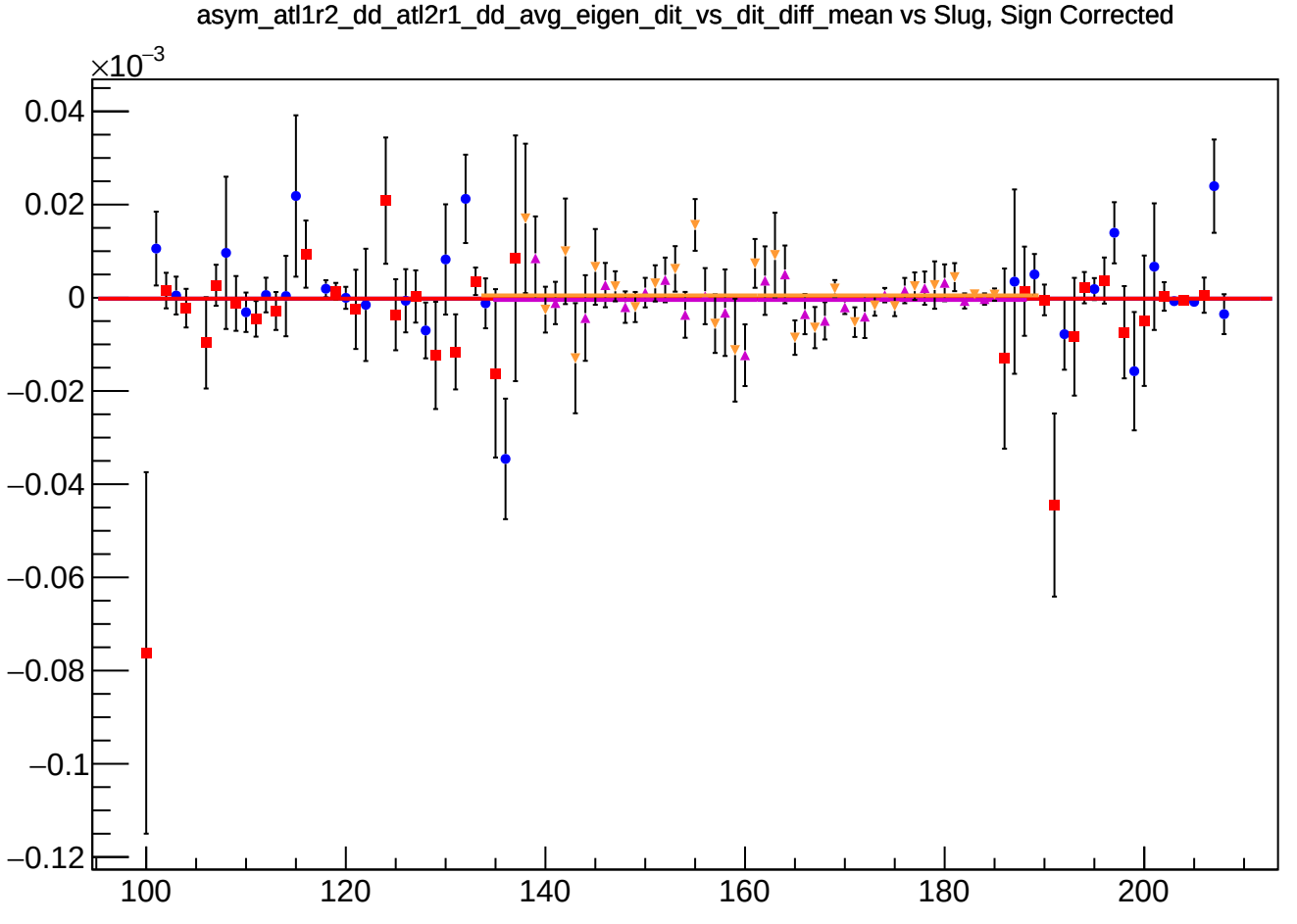
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.696+/-0.006 χ^2/NDF: 9551285.4/57

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.803+/-0.004 χ^2/NDF: 30511693.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

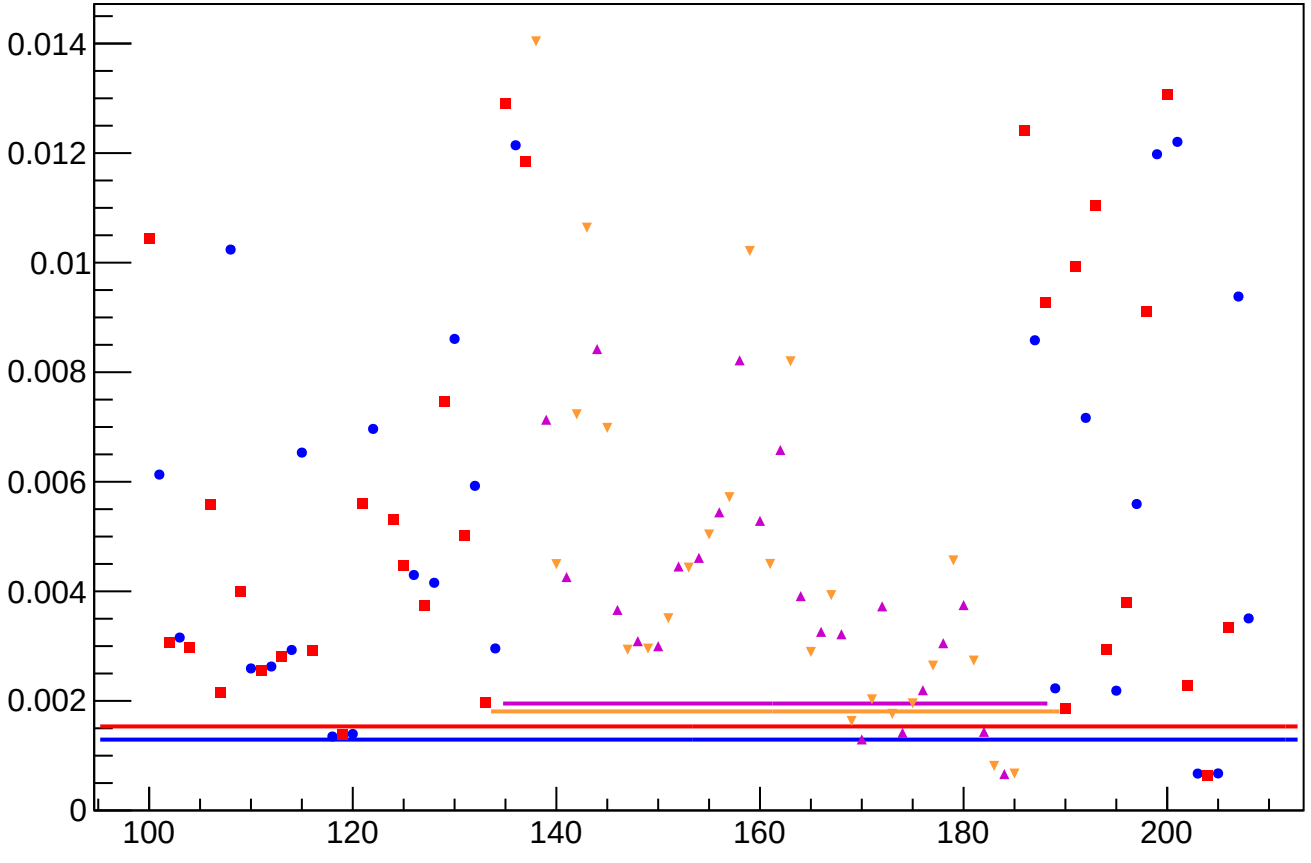
Right: -0.000+/-0.000 χ^2/NDF: 62.9/57

In: -0.000+/-0.000 χ^2/NDF:50.6/49

Out: 0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 114.0/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

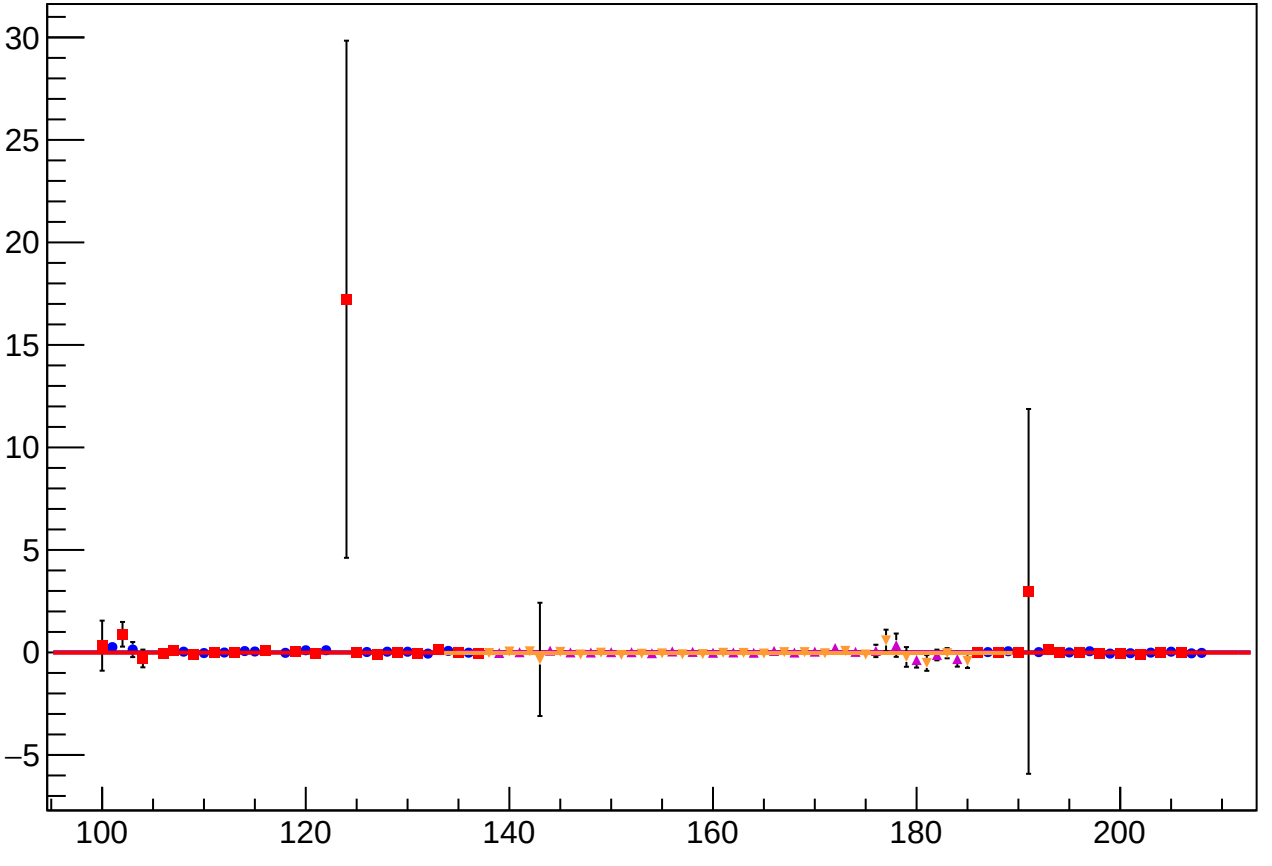
Right: 0.001+/-0.000 χ^2/NDF: 31484145.9/57

In: 0.002+/-0.000 χ^2/NDF:28775285.2/49

Out: 0.002+/-0.000 χ^2/NDF:30596050.0/55

All: 0.002+/-0.000 χ^2/NDF: 59433681.6/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

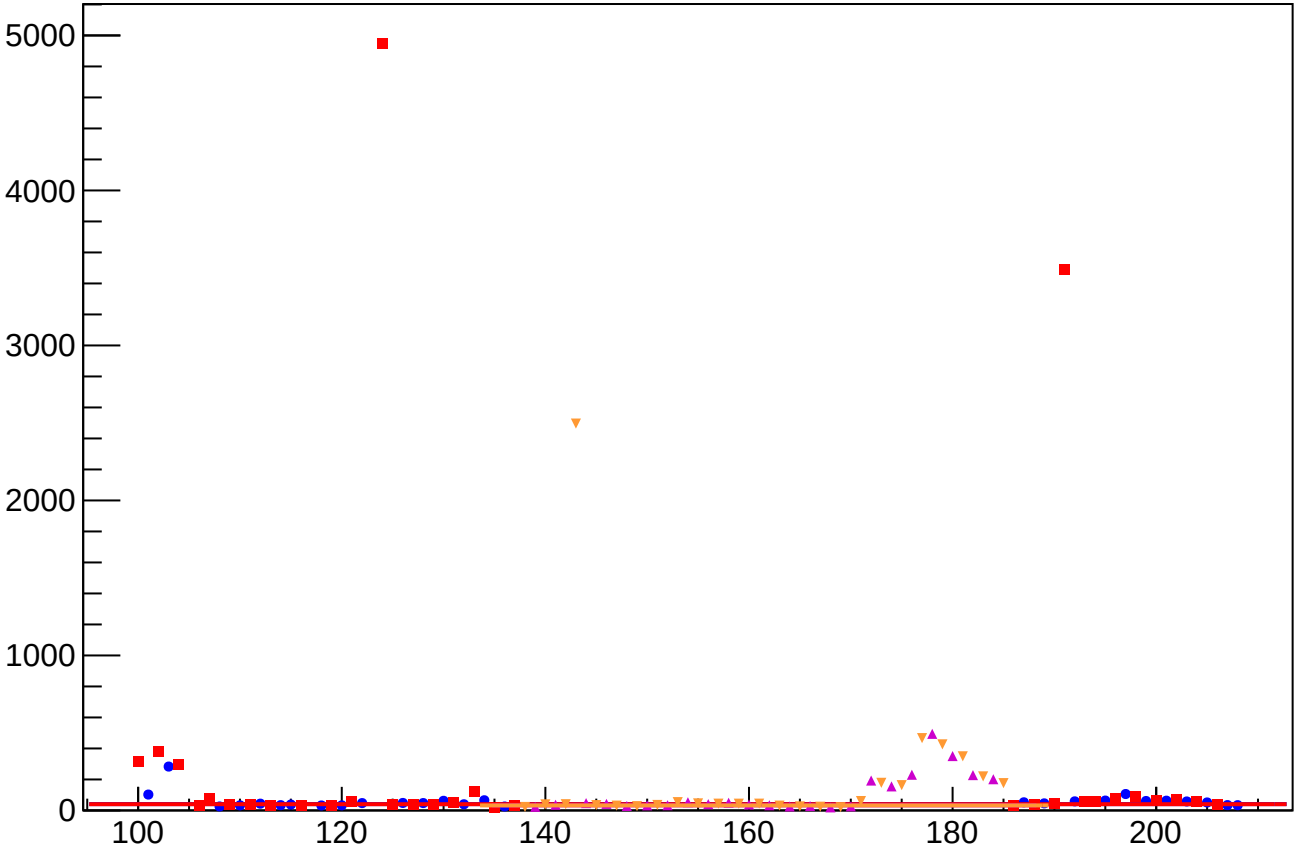
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

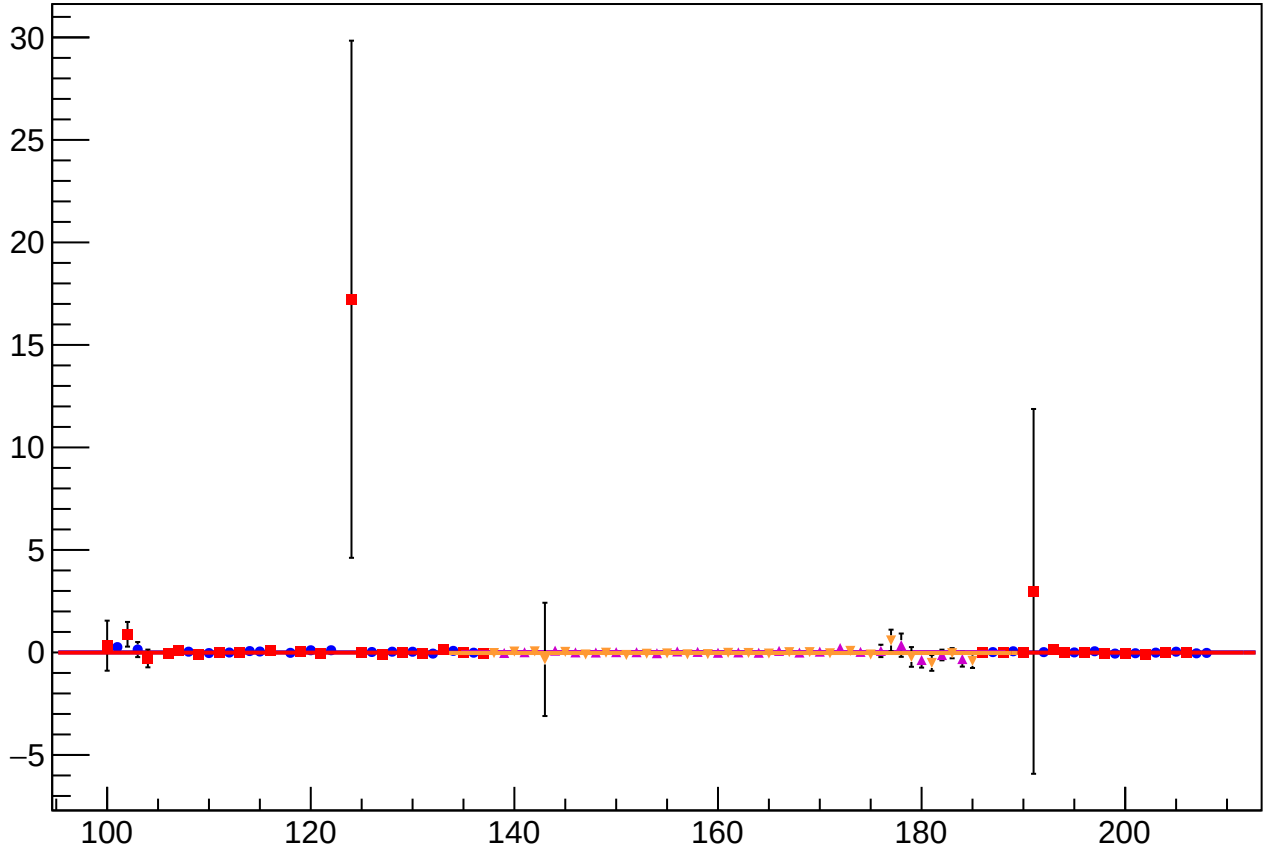
Right: 40.696+/-0.006 χ^2/NDF: 9550731.0/57

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

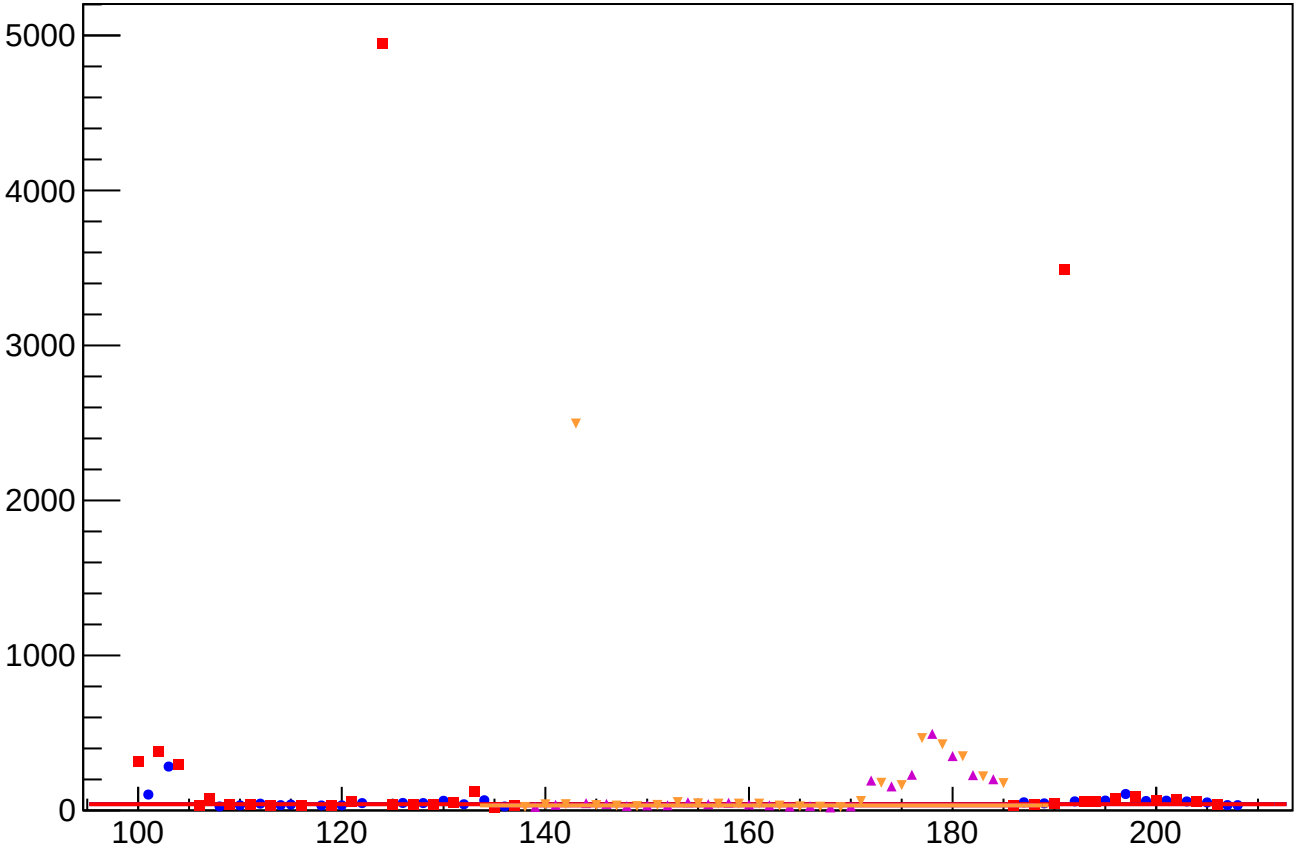
Right: -0.002+/-0.008 χ^2/NDF: 39.5/57

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.5/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

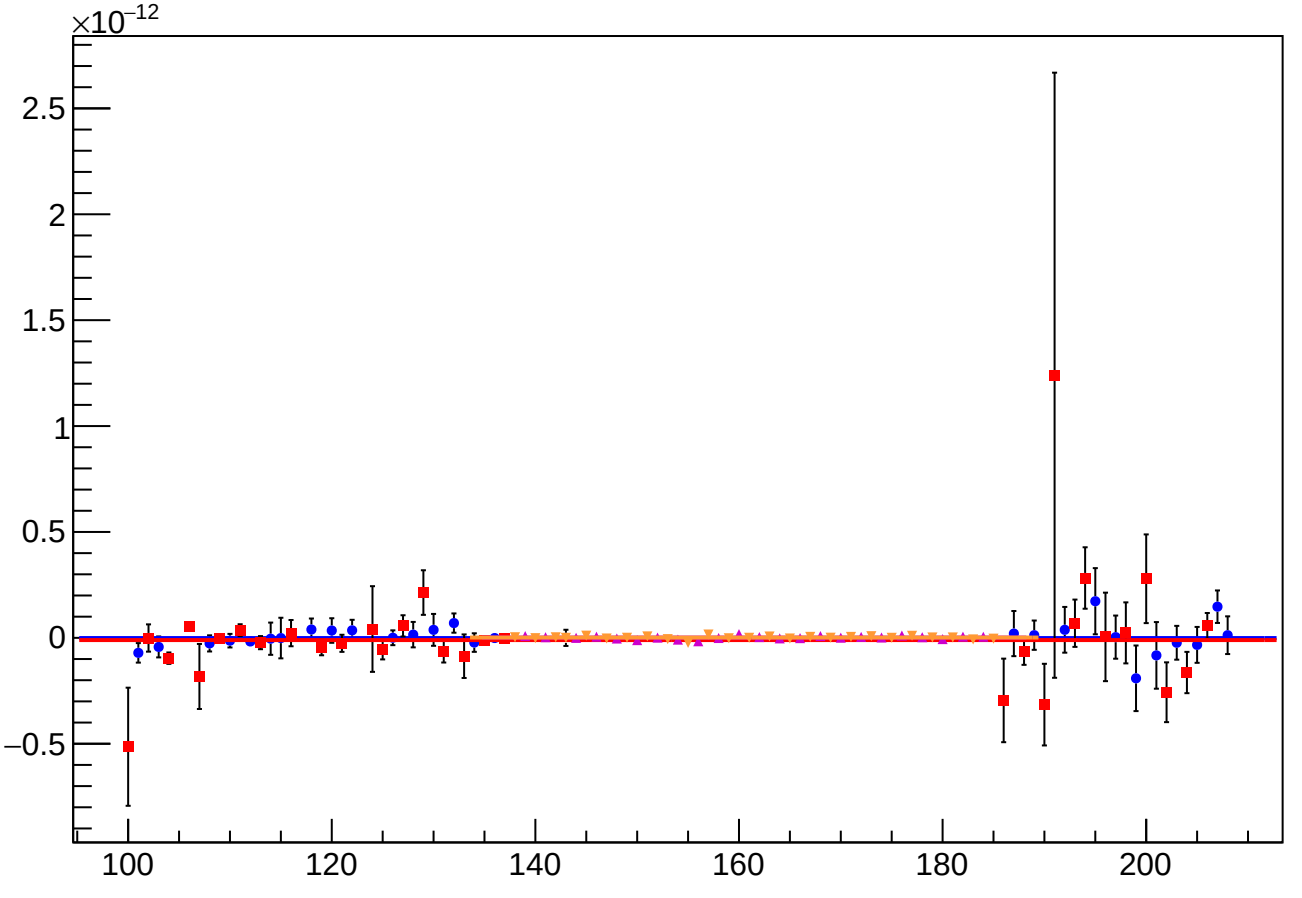
Right: 40.696+/-0.006 χ^2/NDF: 9550731.0/57

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.802+/-0.004 χ^2/NDF: 30512266.5/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

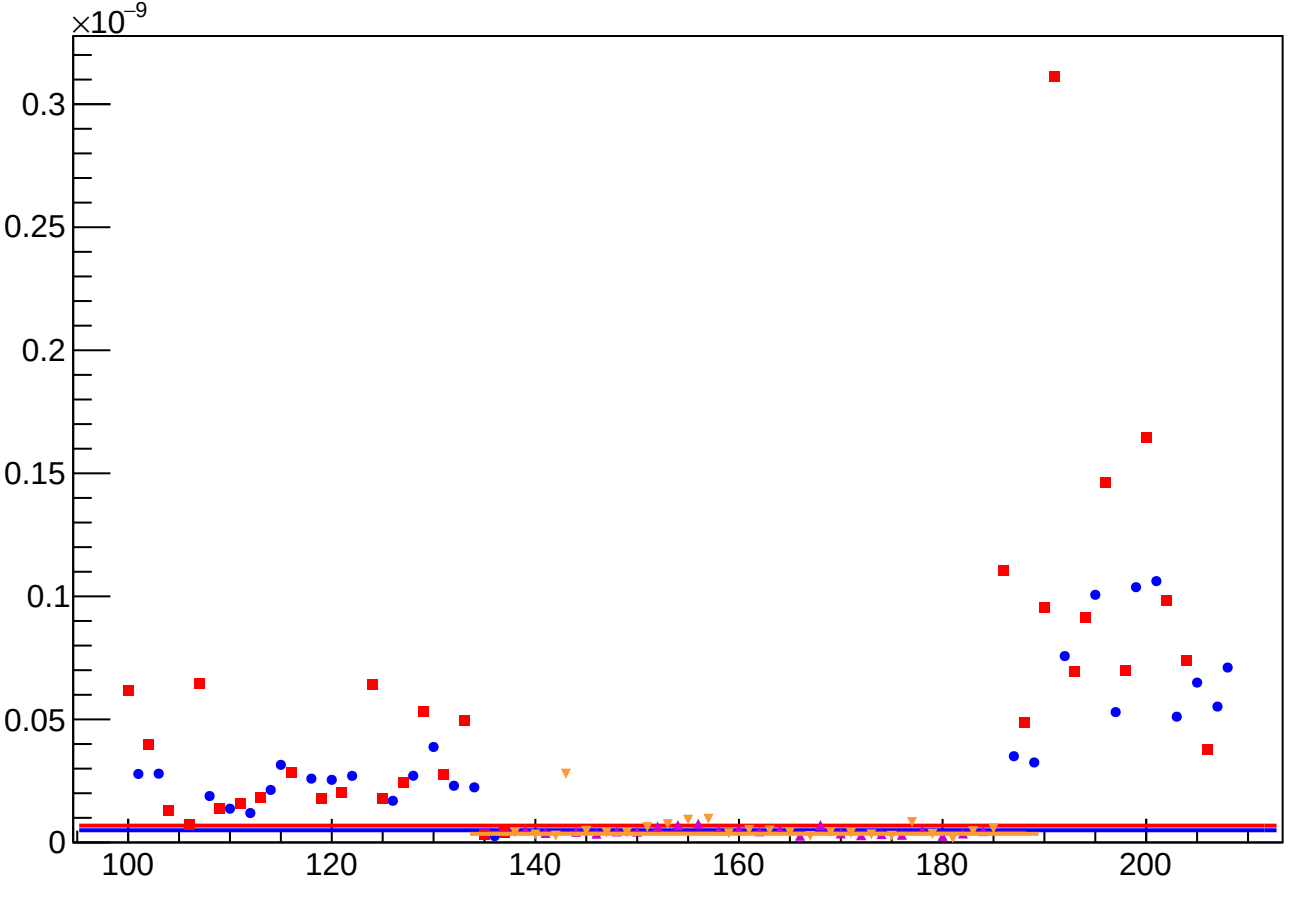
Right: -0.000+/-0.000 χ^2/NDF: 78.1/57

In: 0.000+/-0.000 χ^2/NDF:44.9/49

Out: 0.000+/-0.000 χ^2/NDF:85.1/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/105

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

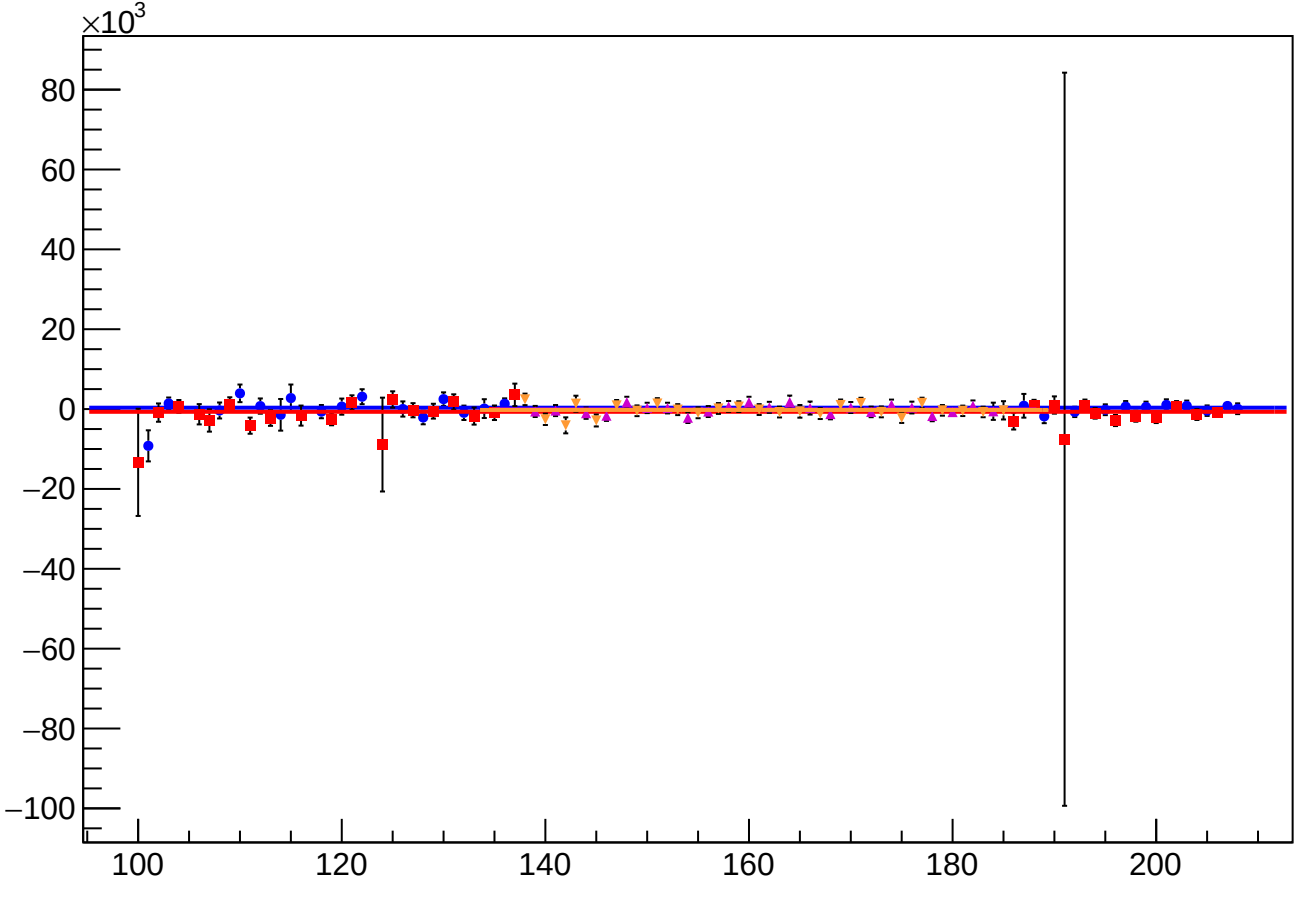
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 26125369.0/57

In: 0.000+/-0.000 χ^2/NDF:15203063.5/49

Out: 0.000+/-0.000 χ^2/NDF:18804712.5/55

All: 0.000+/-0.000 χ^2/NDF: 34134511.8/105



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -681.848+/-319.078 χ^2/NDF: 27.3/30

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

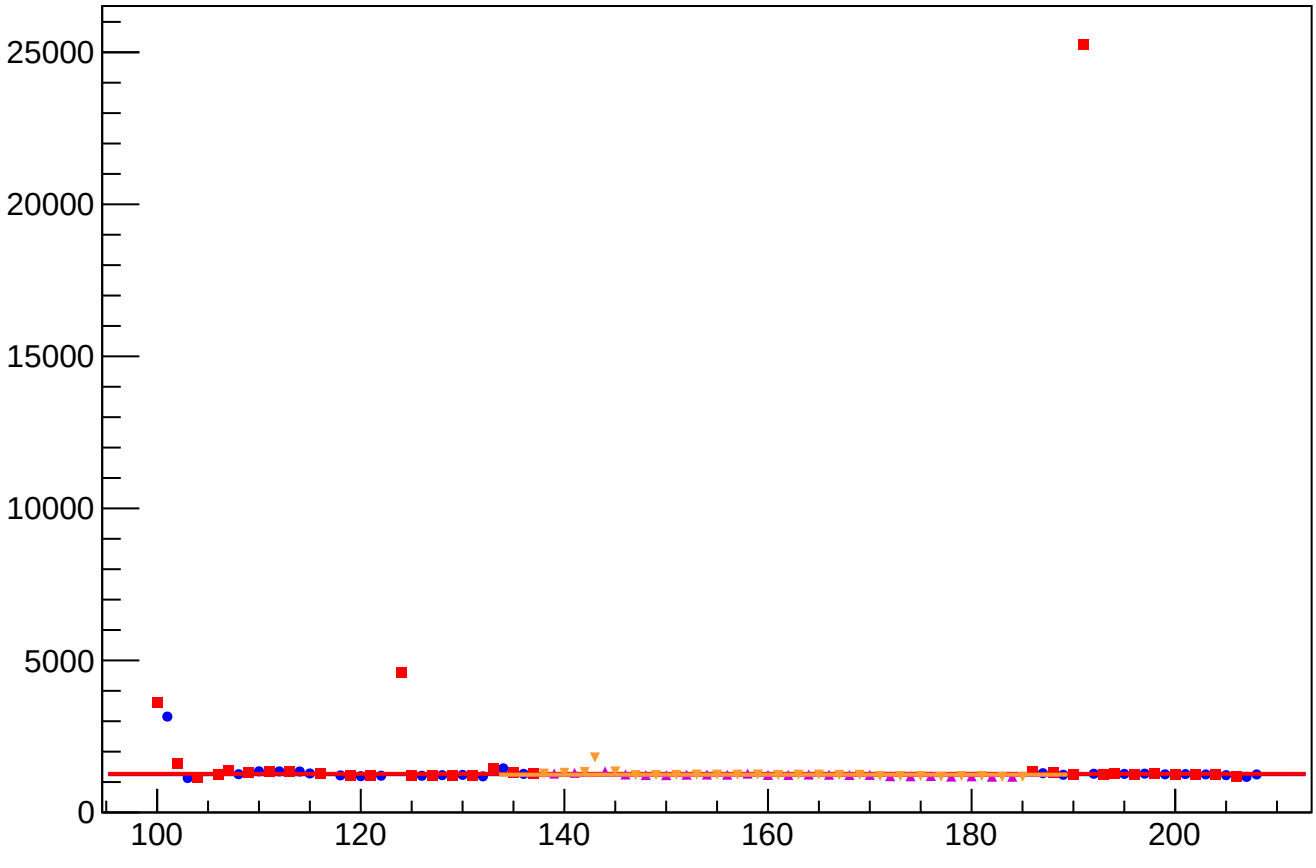
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -168.412+/-225.581 χ^2/NDF: 53.2/57

In: 104.051+/-213.846 χ^2/NDF:36.4/49

Out: -423.796+/-211.745 χ^2/NDF:52.4/55

All: -162.477+/-150.464 χ^2/NDF: 91.9/105



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

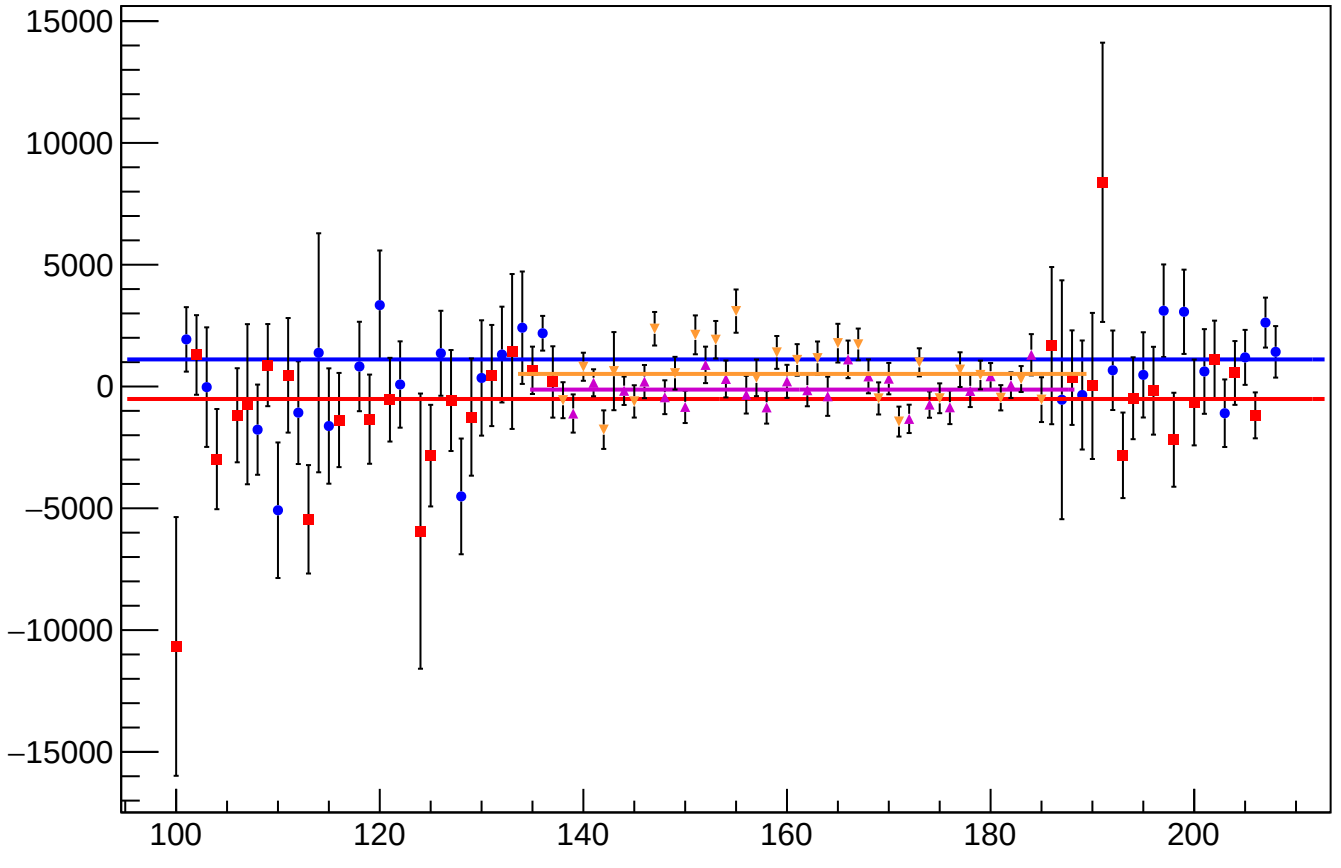
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1263.846+/-0.160 χ^2/NDF: 1021494.3/57

In: 1244.659+/-0.151 χ^2/NDF:579567.6/49

Out: 1254.652+/-0.150 χ^2/NDF:697470.8/55

All: 1249.705+/-0.106 χ^2/NDF: 1279243.8/10



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

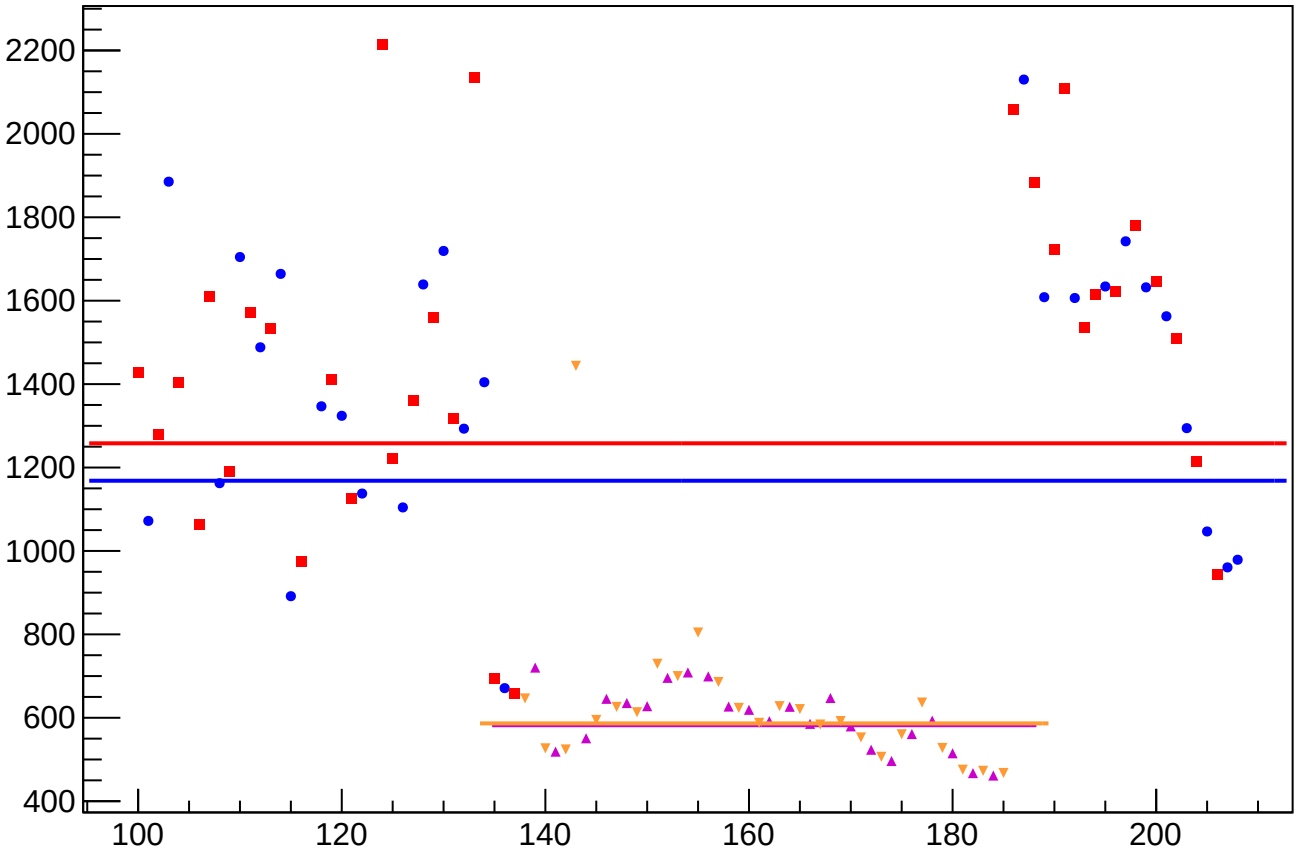
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 348.995+/-224.177 χ^2/NDF: 66.2/57

In: 78.833+/-125.370 χ^2/NDF:63.1/49

Out: 365.580+/-125.376 χ^2/NDF:100.5/55

All: 222.199+/-88.652 χ^2/NDF: 166.2/105



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

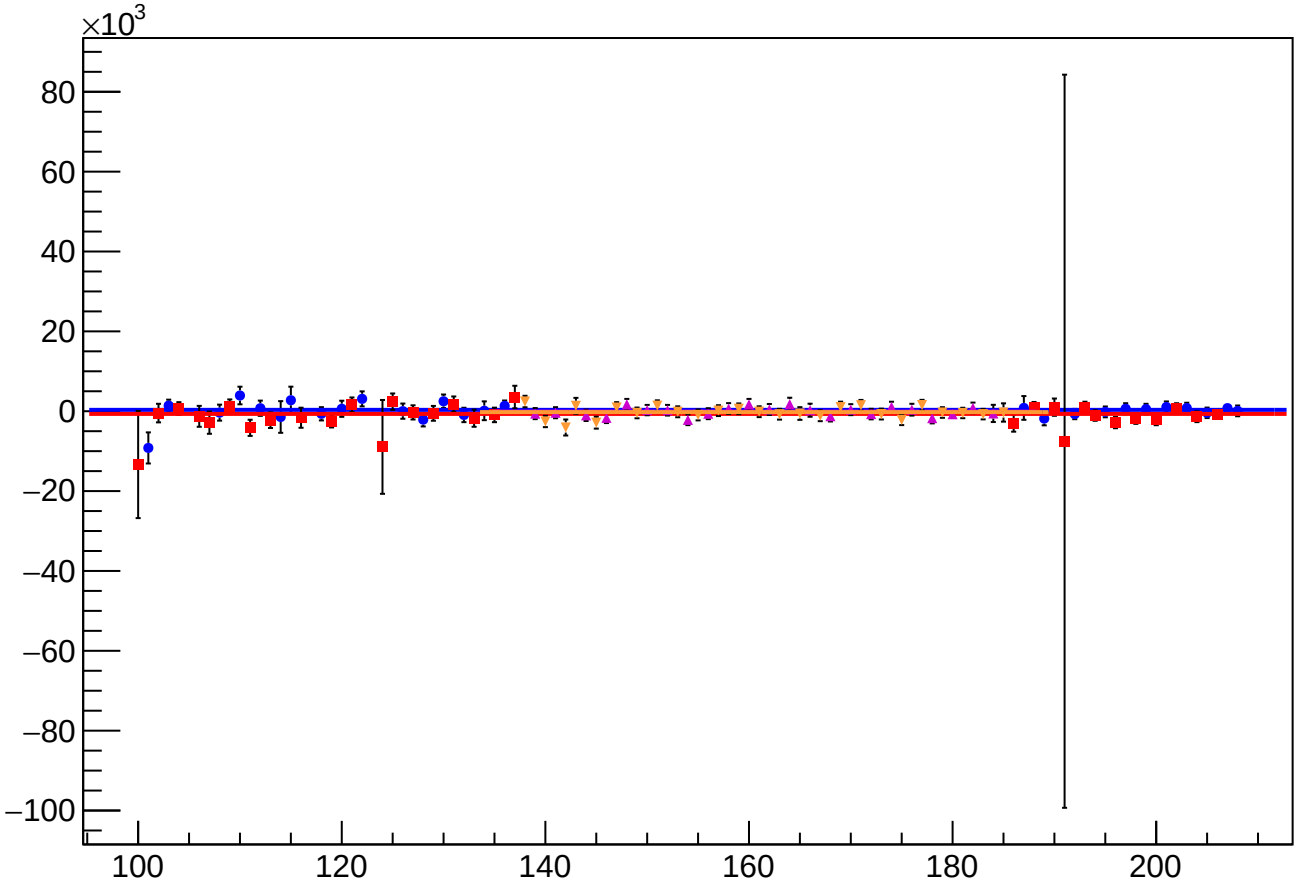
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1210.498+/-0.159 χ^2/NDF: 5315996.0/57

In: 679.387+/-0.089 χ^2/NDF:9231712.8/49

Out: 685.235+/-0.089 χ^2/NDF:11005995.2/55

All: 682.311+/-0.063 χ^2/NDF: 20239883.4/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

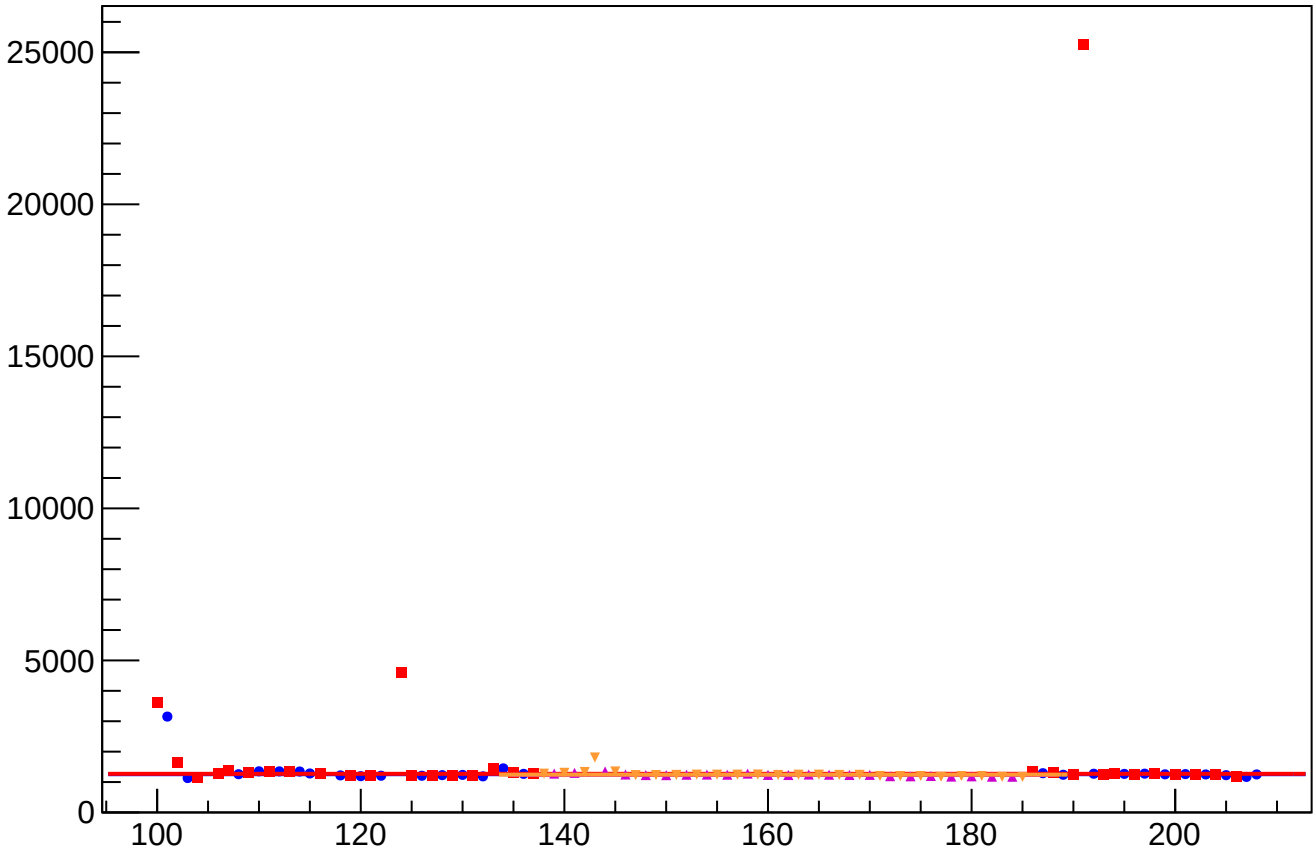
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -163.536+/-225.665 χ^2/NDF: 53.1/57

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -160.336+/-150.489 χ^2/NDF: 91.8/105



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

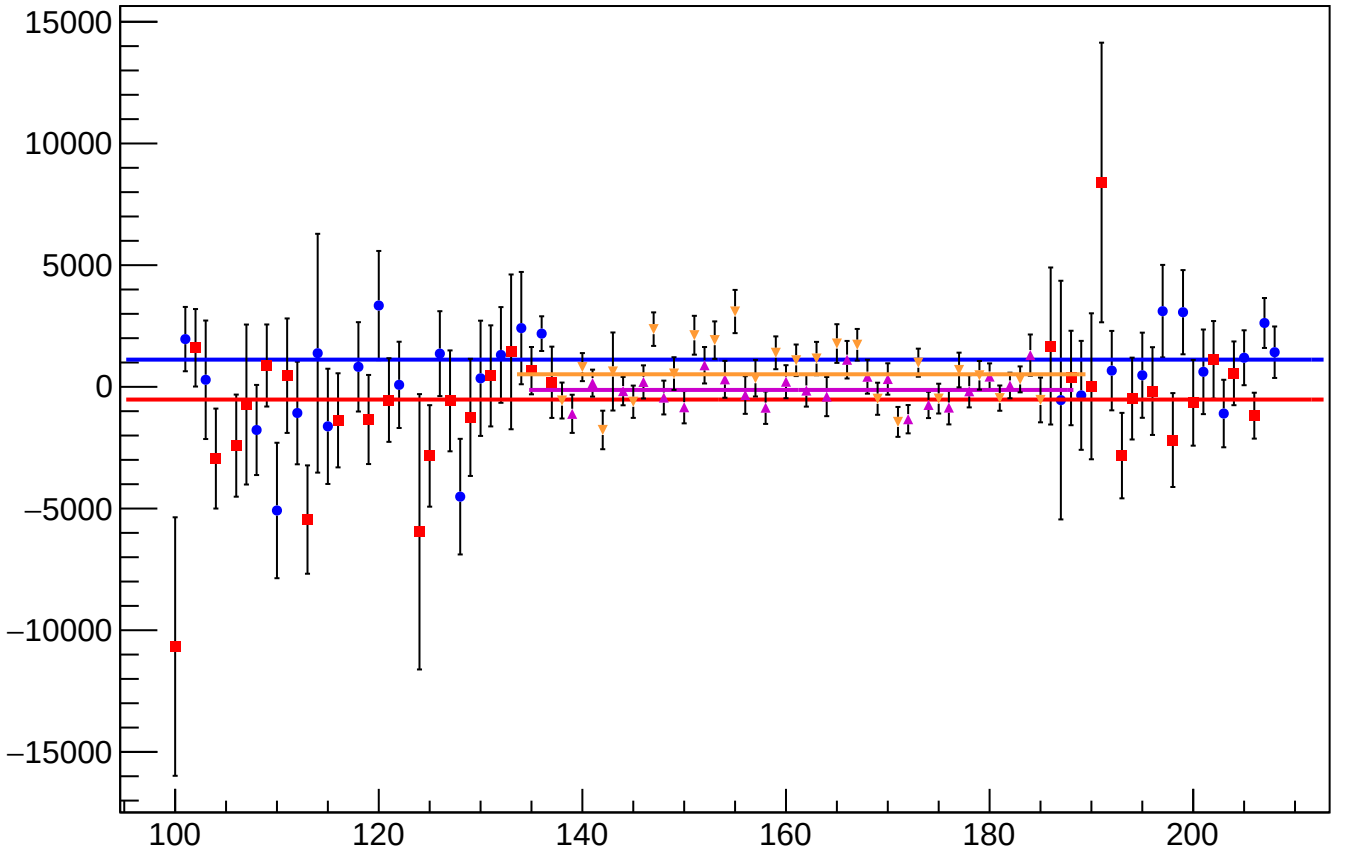
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1264.336+/-0.160 χ^2/NDF: 1028909.8/57

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

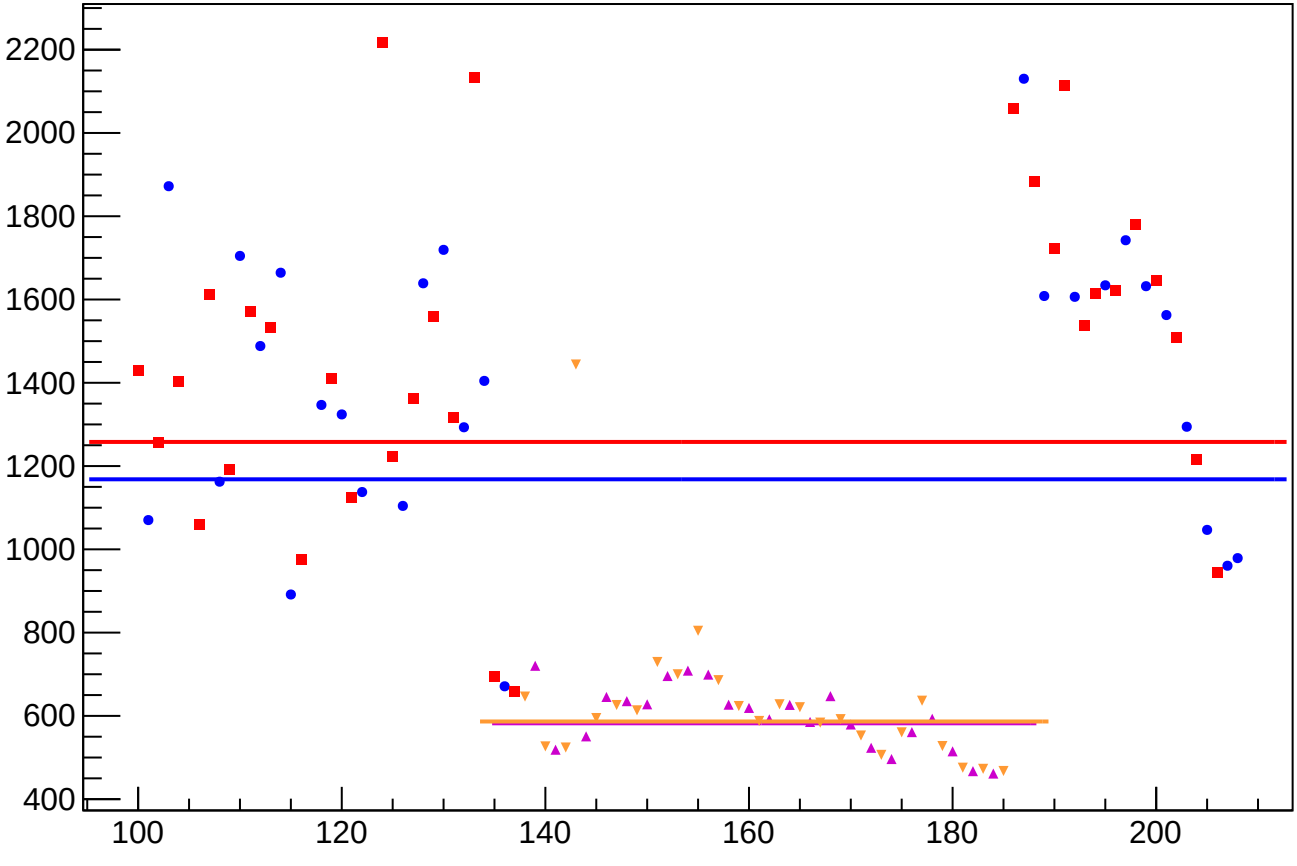
Right: 348.981+/-224.264 χ^2/NDF: 67.6/57

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 222.195+/-88.658 χ^2/NDF: 167.6/105

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

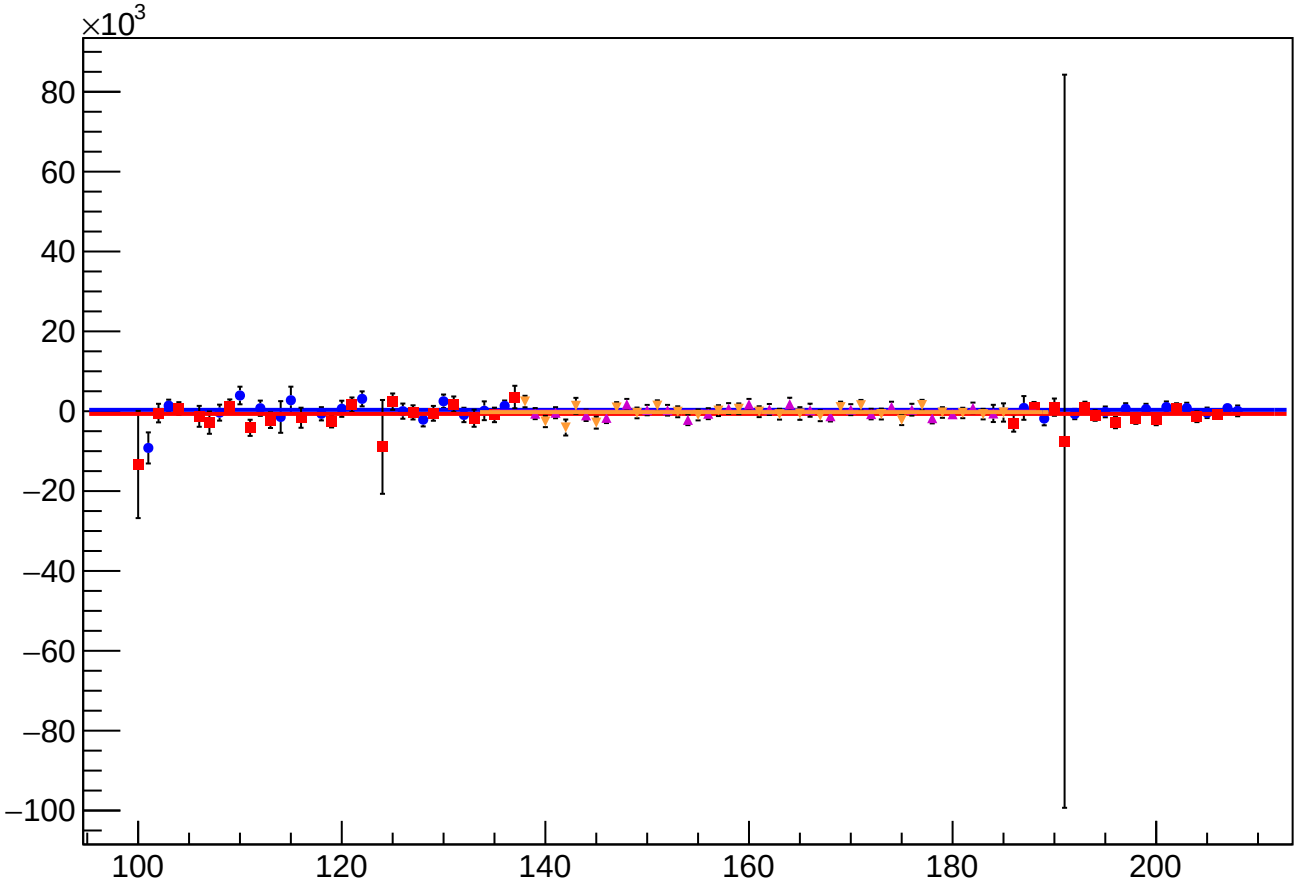
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1210.303+/-0.159 χ^2/NDF: 5310366.1/57

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -673.061+/-319.317 χ^2/NDF: 27.3/30

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

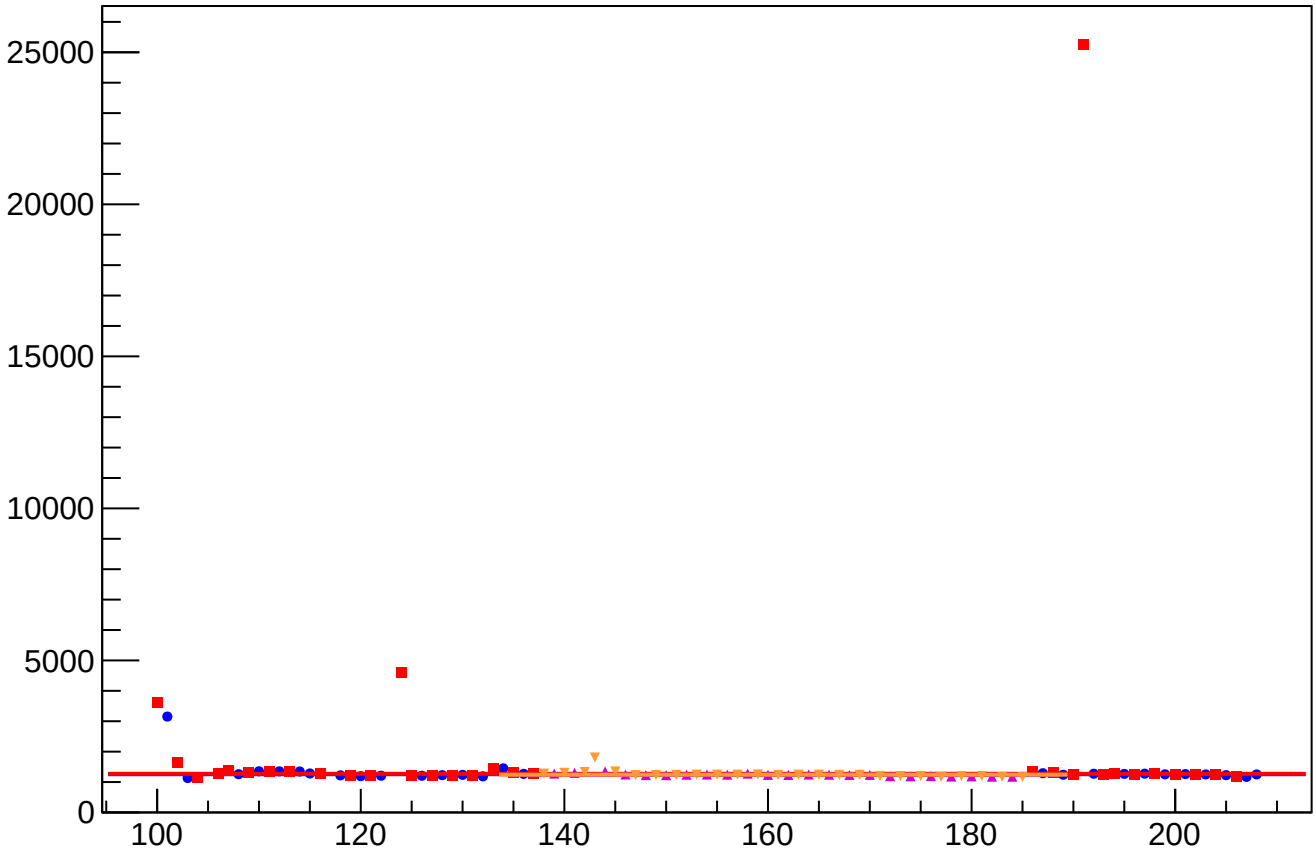
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -163.536+/-225.665 χ^2/NDF: 53.1/57

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -160.336+/-150.489 χ^2/NDF: 91.8/105



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

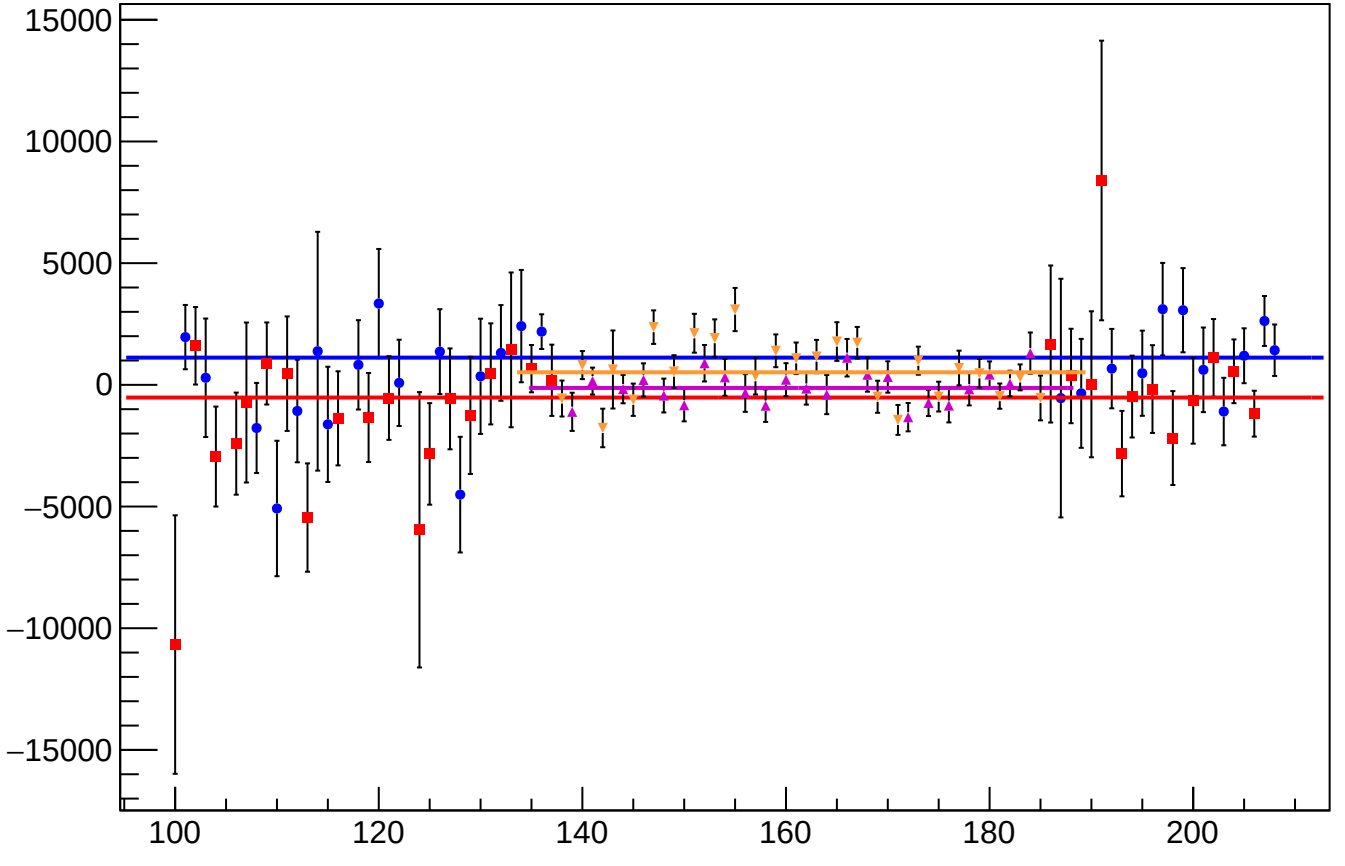
Right: 1264.336+/-0.160 χ^2/NDF: 1028909.8/57

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.918+/-0.106 χ^2/NDF: 1287202.2/10

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

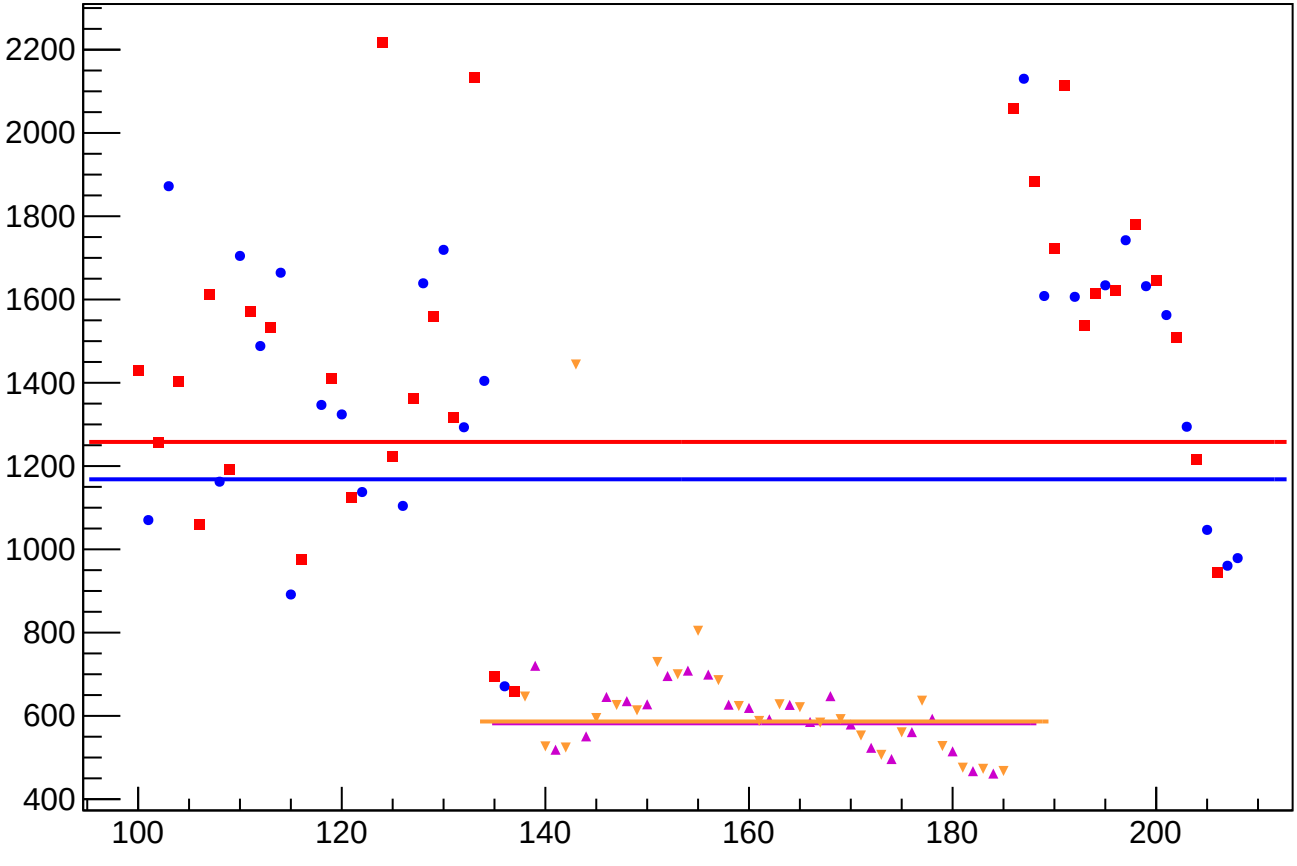
Right: 348.981+/-224.264 χ^2/NDF: 67.6/57

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 222.195+/-88.658 χ^2/NDF: 167.6/105

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

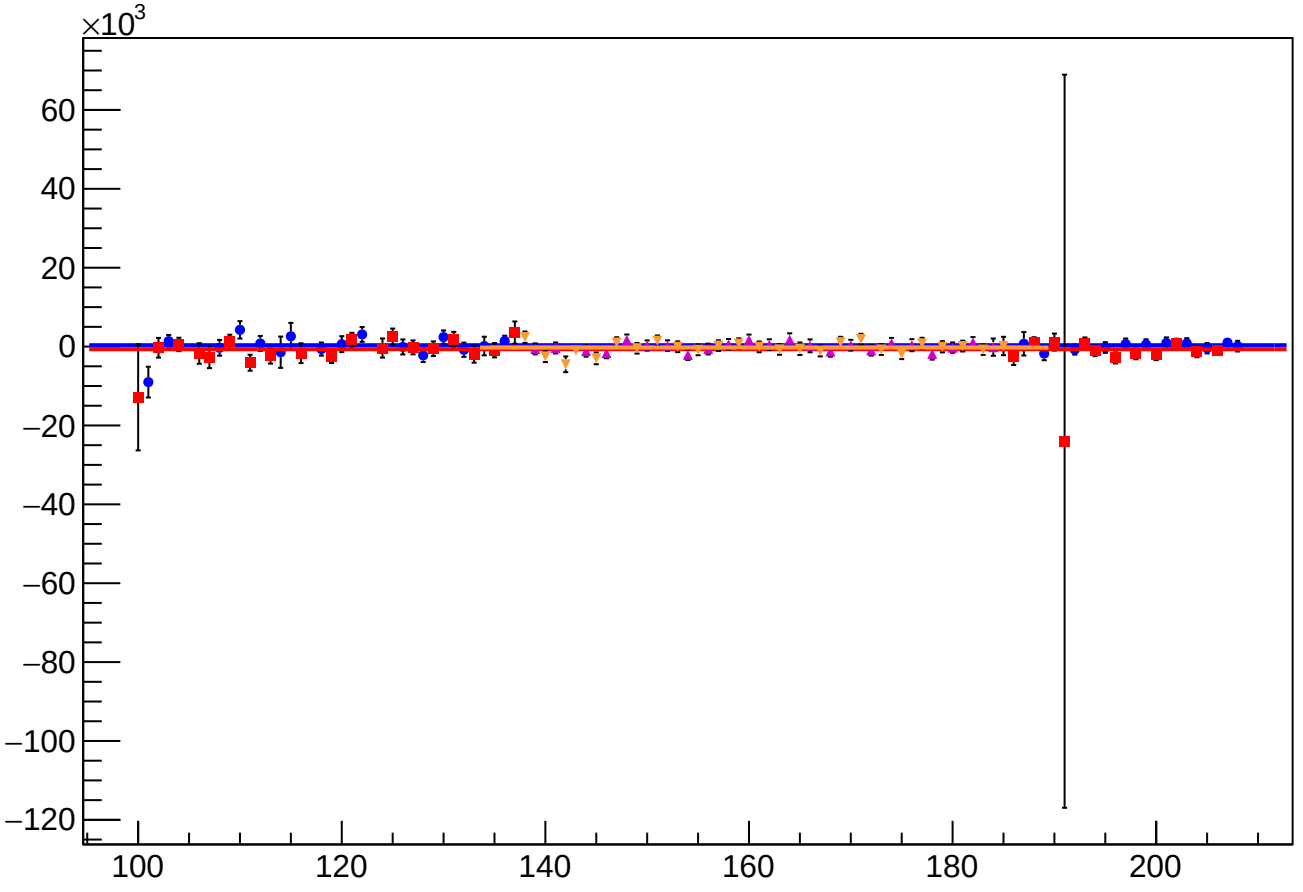
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1210.303+/-0.159 χ^2/NDF: 5310366.1/57

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 682.218+/-0.063 χ^2/NDF: 20217267.3/10



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.726+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

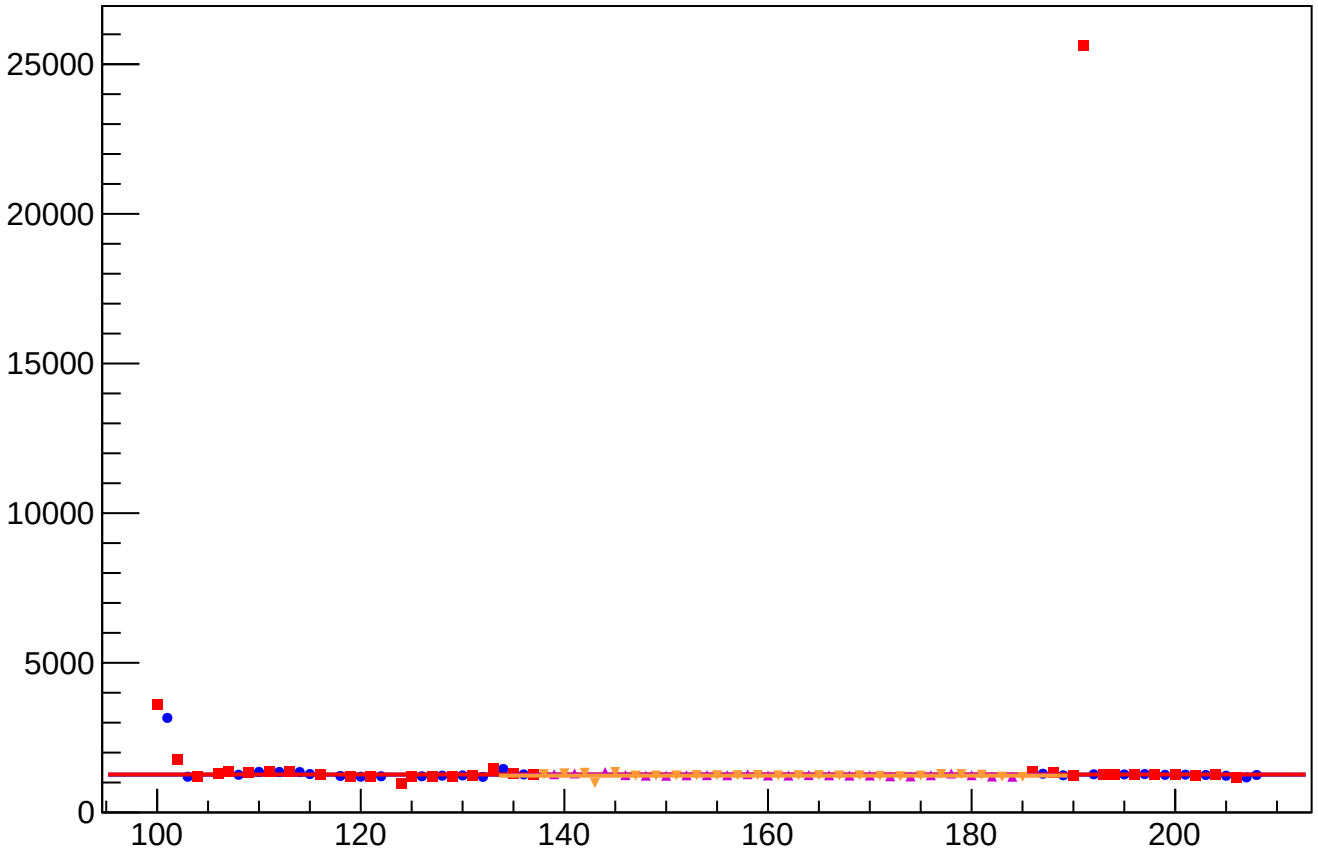
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -164.757+/-225.746 χ^2/NDF: 52.8/57

In: 117.022+/-215.501 χ^2/NDF:35.8/49

Out: -434.746+/-210.240 χ^2/NDF:51.9/55

All: -165.679+/-150.488 χ^2/NDF: 91.0/105



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

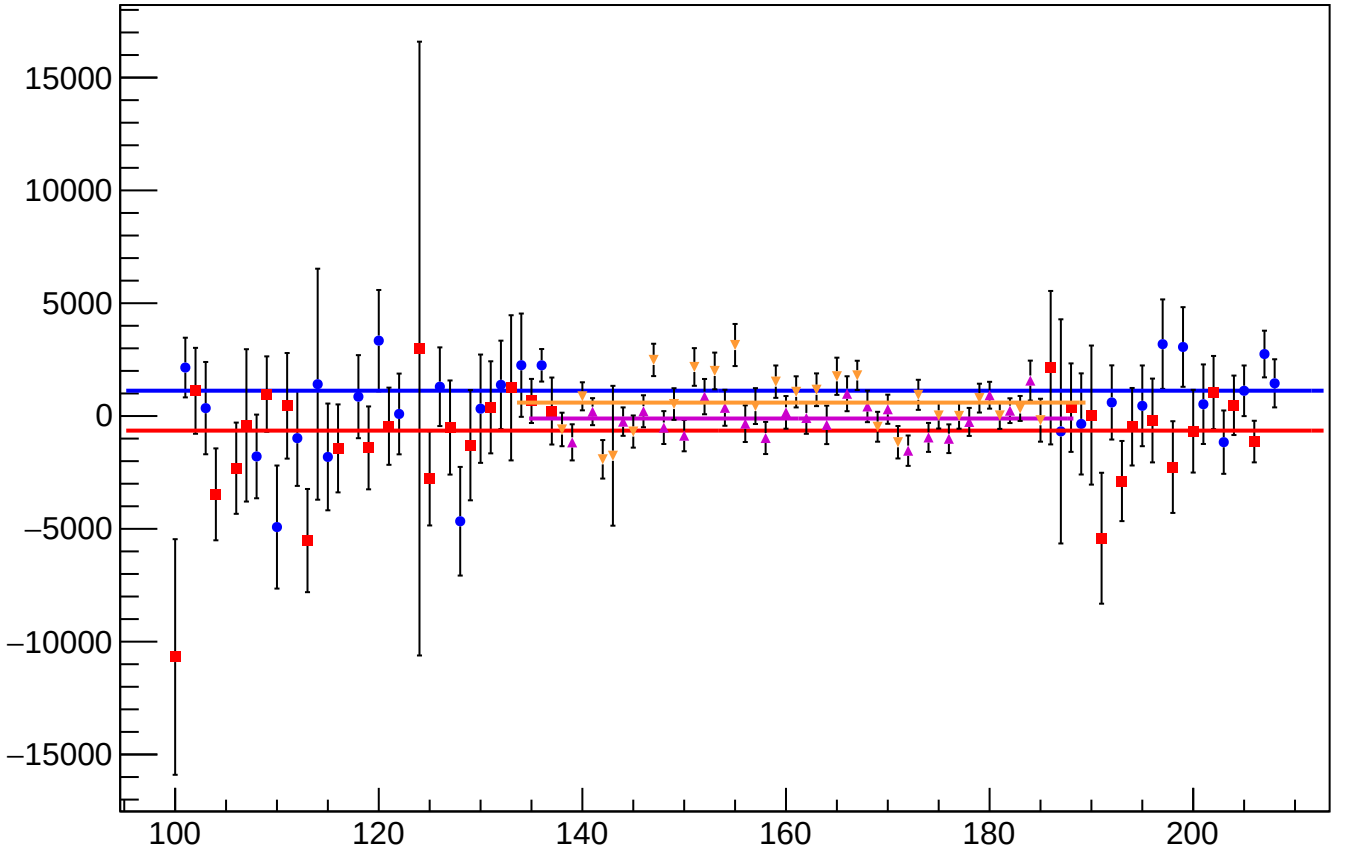
Right: 1265.788+/-0.160 χ^2/NDF: 908995.2/57

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1246.970+/-0.149 χ^2/NDF:543121.8/55

All: 1250.641+/-0.106 χ^2/NDF: 1098028.4/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.367+/-330.082 χ^2/NDF: 25.2/30

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

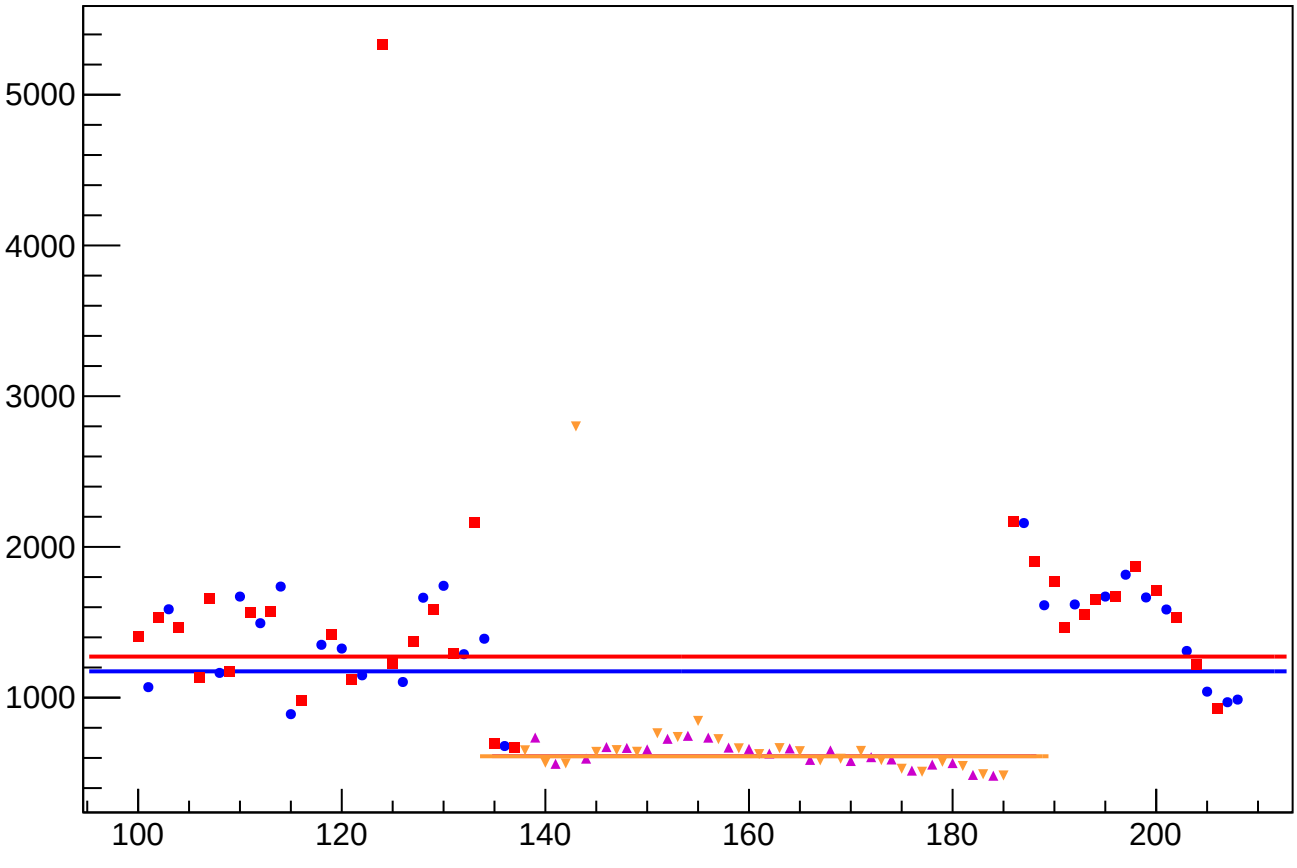
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 295.998+/-225.631 χ^2/NDF: 69.5/57

In: 110.138+/-130.705 χ^2/NDF:67.8/49

Out: 400.839+/-130.543 χ^2/NDF:94.5/55

All: 255.669+/-92.365 χ^2/NDF: 164.7/105



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

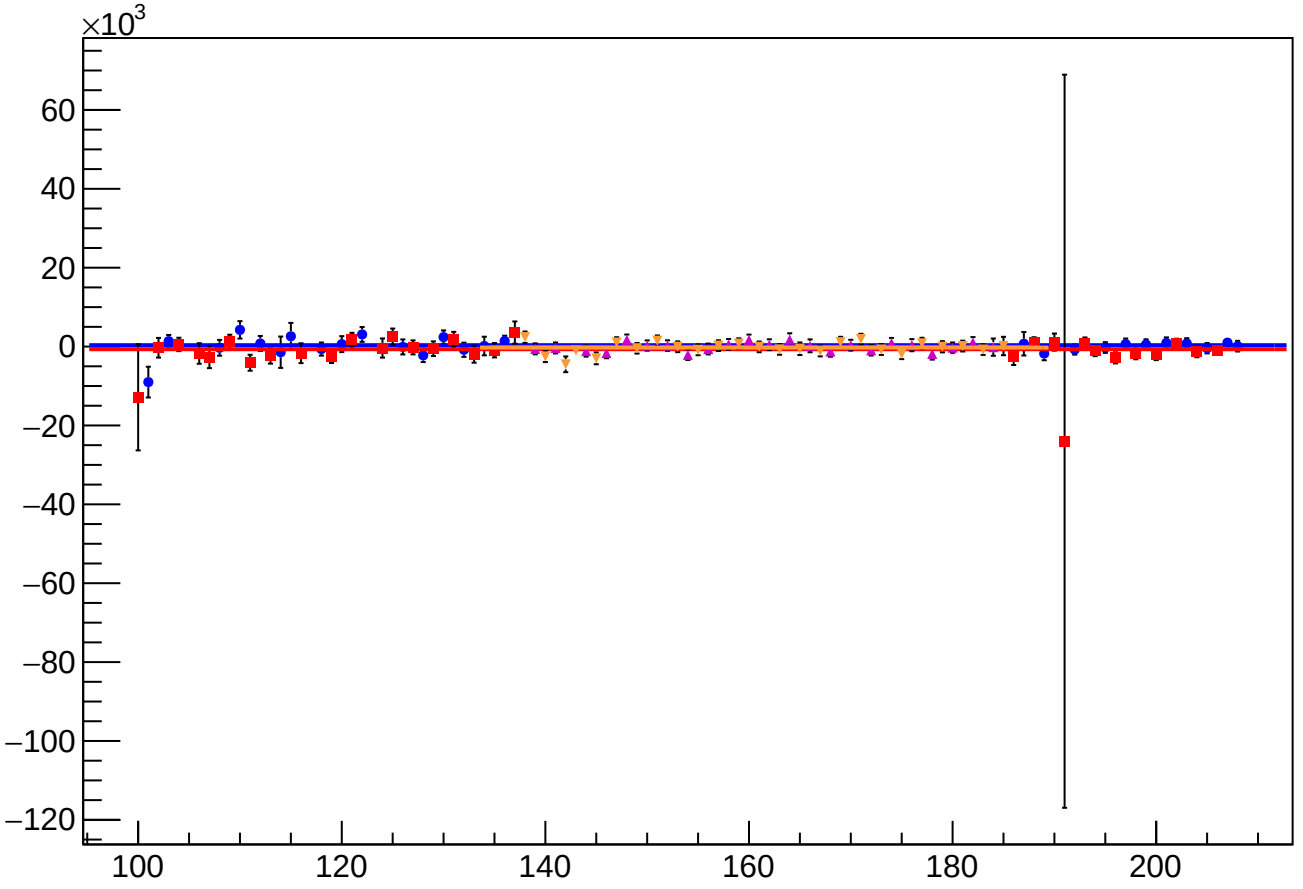
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1220.266+/-0.160 χ^2/NDF: 5559683.7/57

In: 712.892+/-0.092 χ^2/NDF:8505206.1/49

Out: 714.527+/-0.092 χ^2/NDF:11292361.1/55

All: 713.711+/-0.065 χ^2/NDF: 19797724.0/10



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -672.725+/-318.435 χ^2/NDF: 26.8/30

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

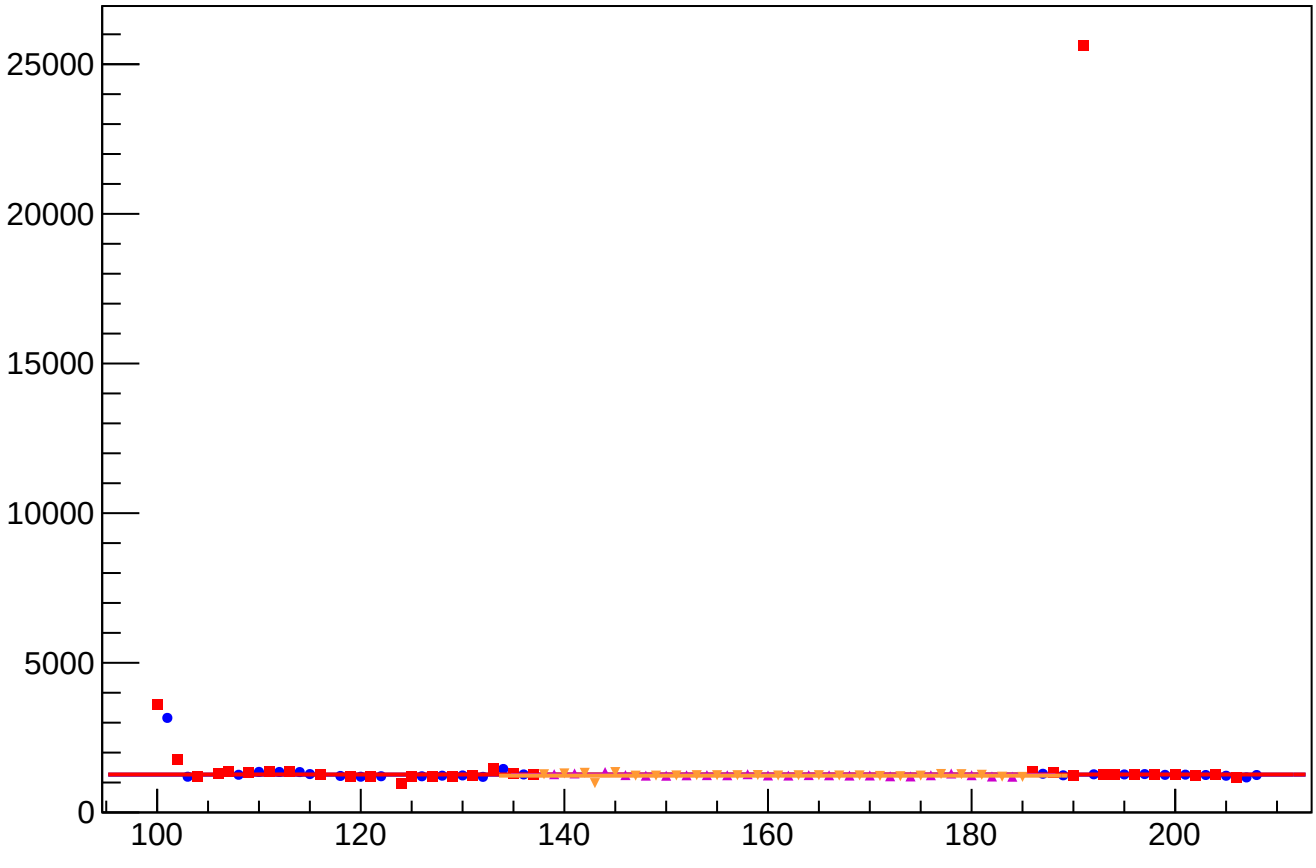
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -164.758+/-225.746 χ^2/NDF: 52.8/57

In: 117.021+/-215.501 χ^2/NDF:35.8/49

Out: -434.747+/-210.240 χ^2/NDF:51.9/55

All: -165.680+/-150.488 χ^2/NDF: 91.0/105



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

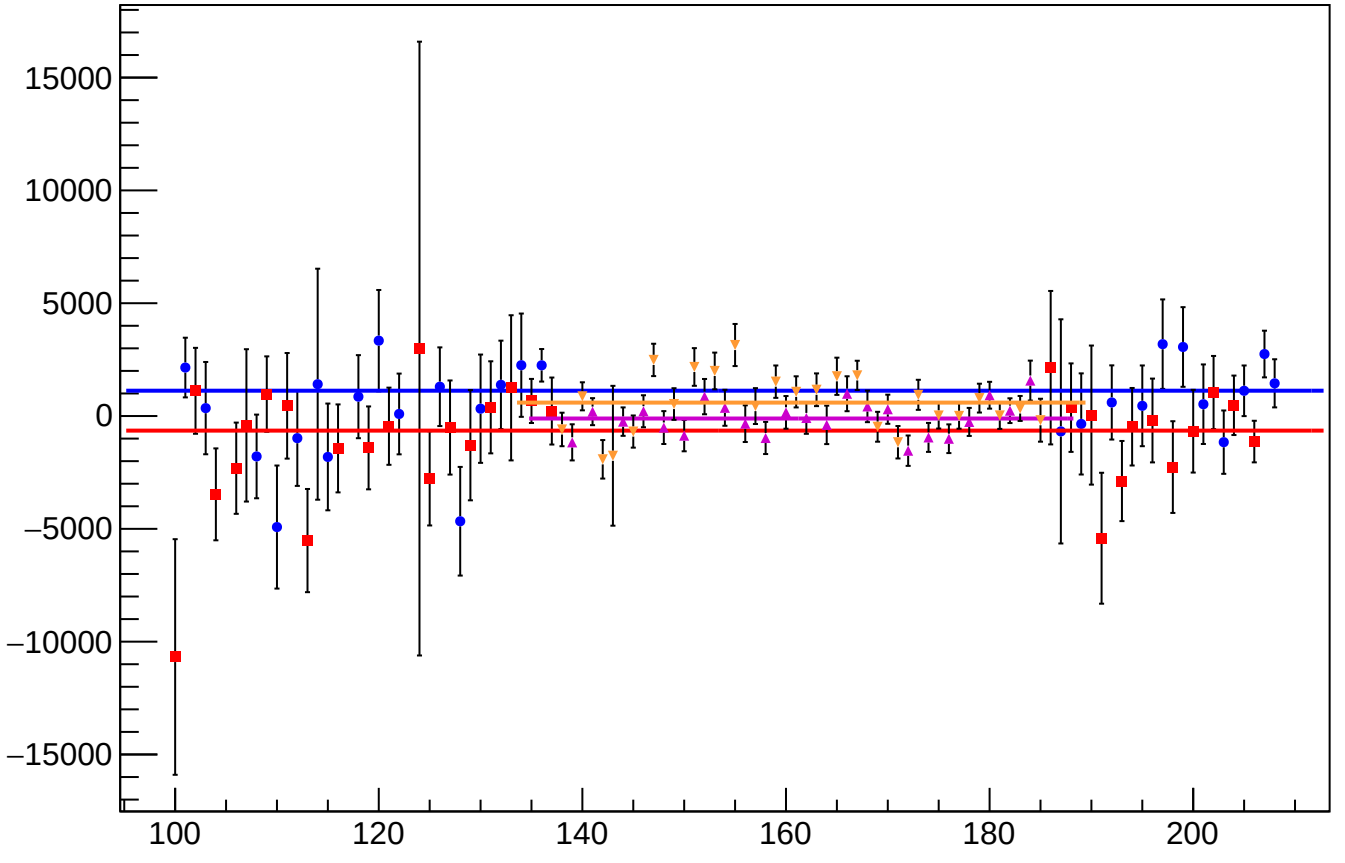
Right: 1265.787+/-0.160 χ^2/NDF: 908995.1/57

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1246.970+/-0.149 χ^2/NDF:543120.7/55

All: 1250.641+/-0.106 χ^2/NDF: 1098027.3/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1122.507+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

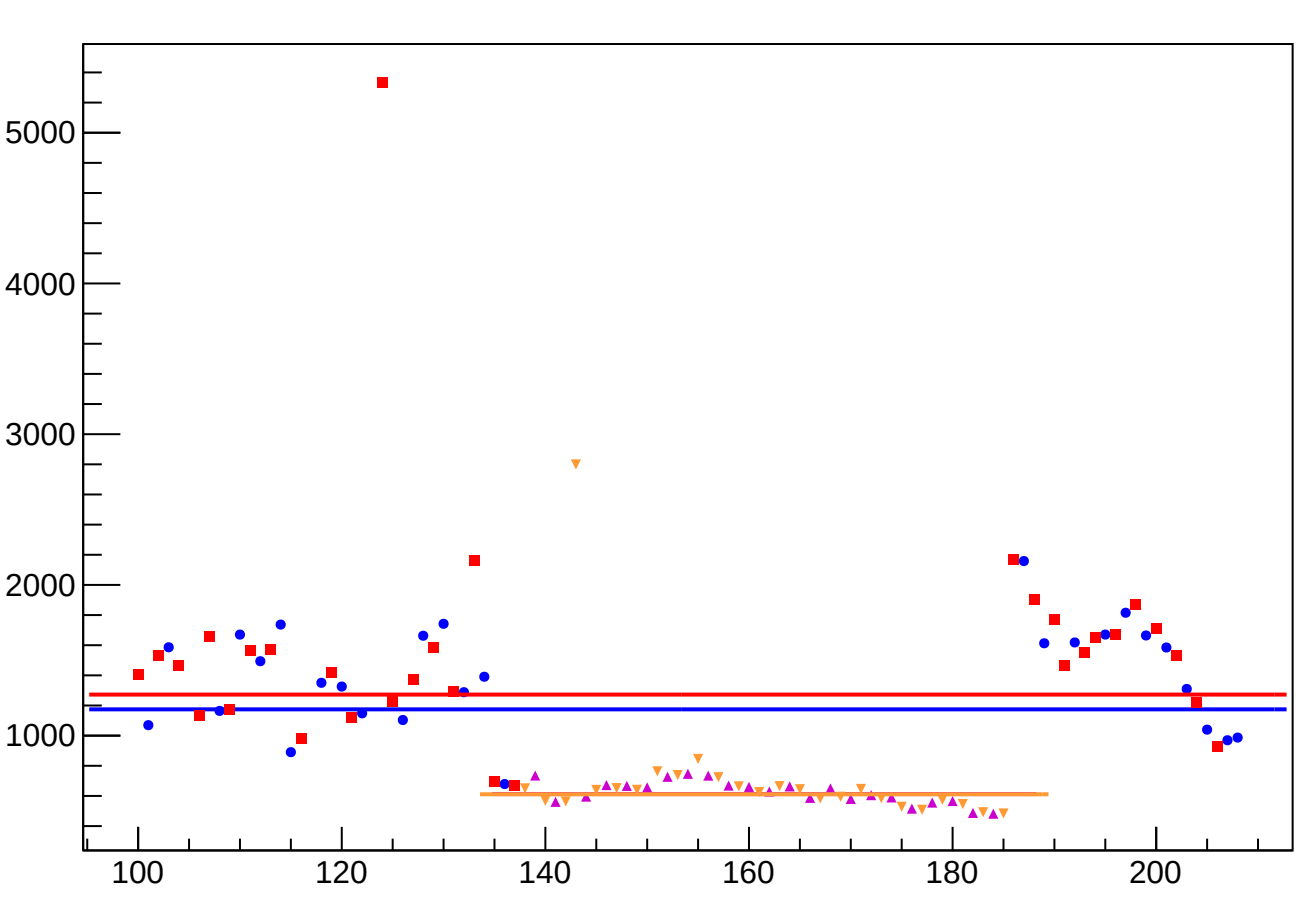
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 295.994+/-225.631 χ^2/NDF: 69.5/57

In: 110.137+/-130.705 χ^2/NDF:67.8/49

Out: 400.838+/-130.543 χ^2/NDF:94.5/55

All: 255.668+/-92.365 χ^2/NDF: 164.7/105



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

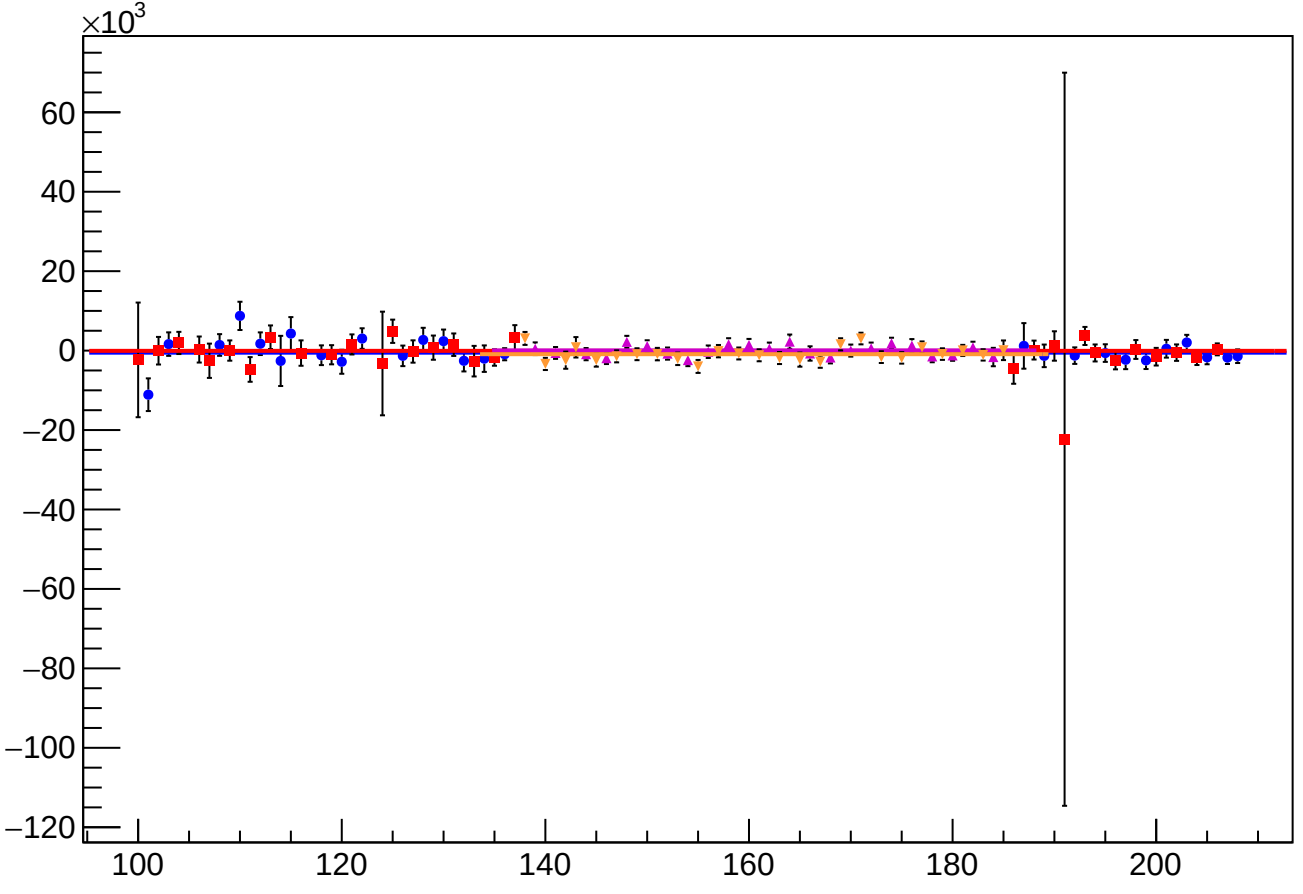
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1220.268+/-0.160 χ^2/NDF: 5559577.1/57

In: 712.891+/-0.092 χ^2/NDF:8505195.2/49

Out: 714.527+/-0.092 χ^2/NDF:11292351.9/55

All: 713.710+/-0.065 χ^2/NDF: 19797704.0/10



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -60.104+/-482.403 χ^2/NDF: 17.2/30

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

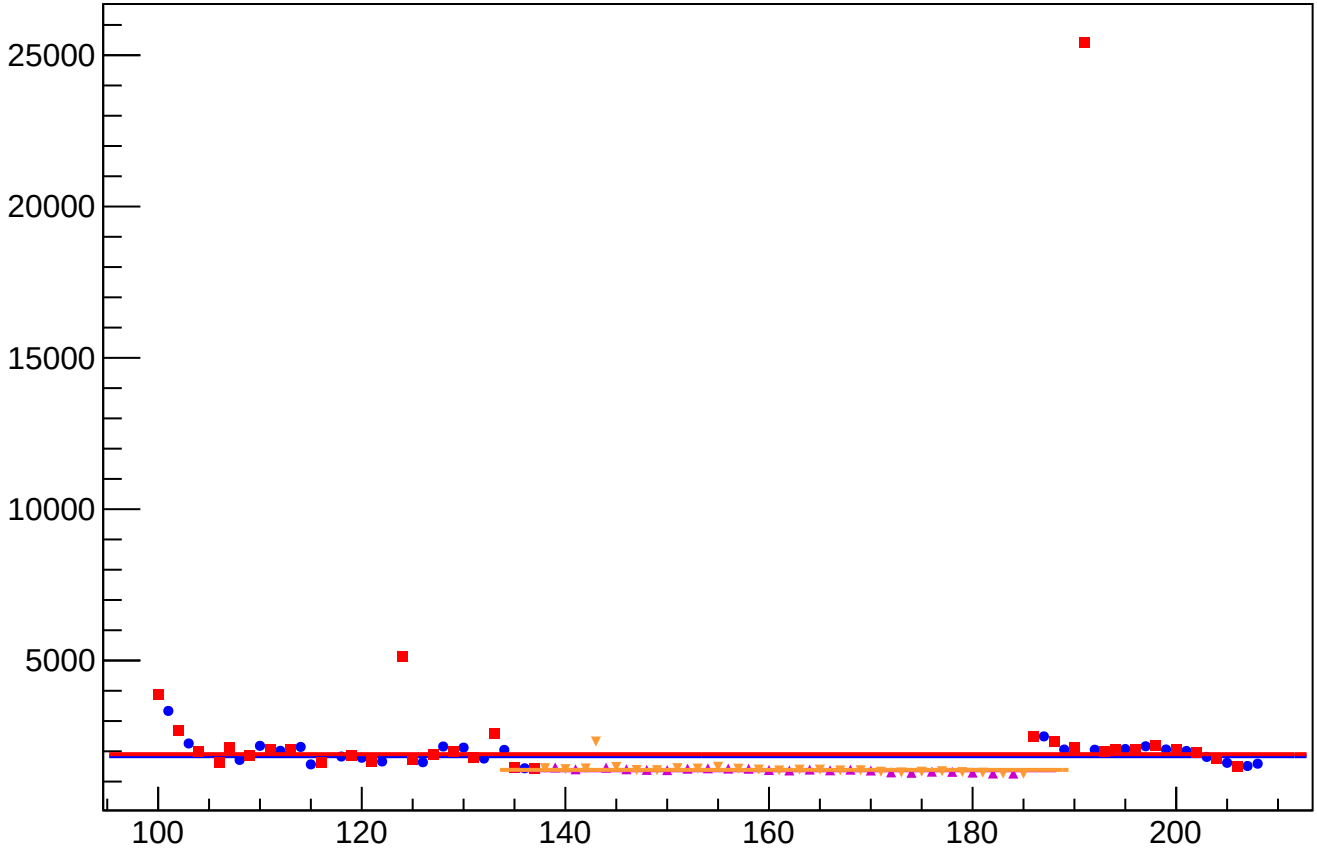
Right: -294.079+/-336.309 χ^2/NDF: 44.7/57

In: -131.479+/-264.874 χ^2/NDF:45.8/49

Out: -647.241+/-264.599 χ^2/NDF:49.2/55

All: -389.628+/-187.197 χ^2/NDF: 96.9/105

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

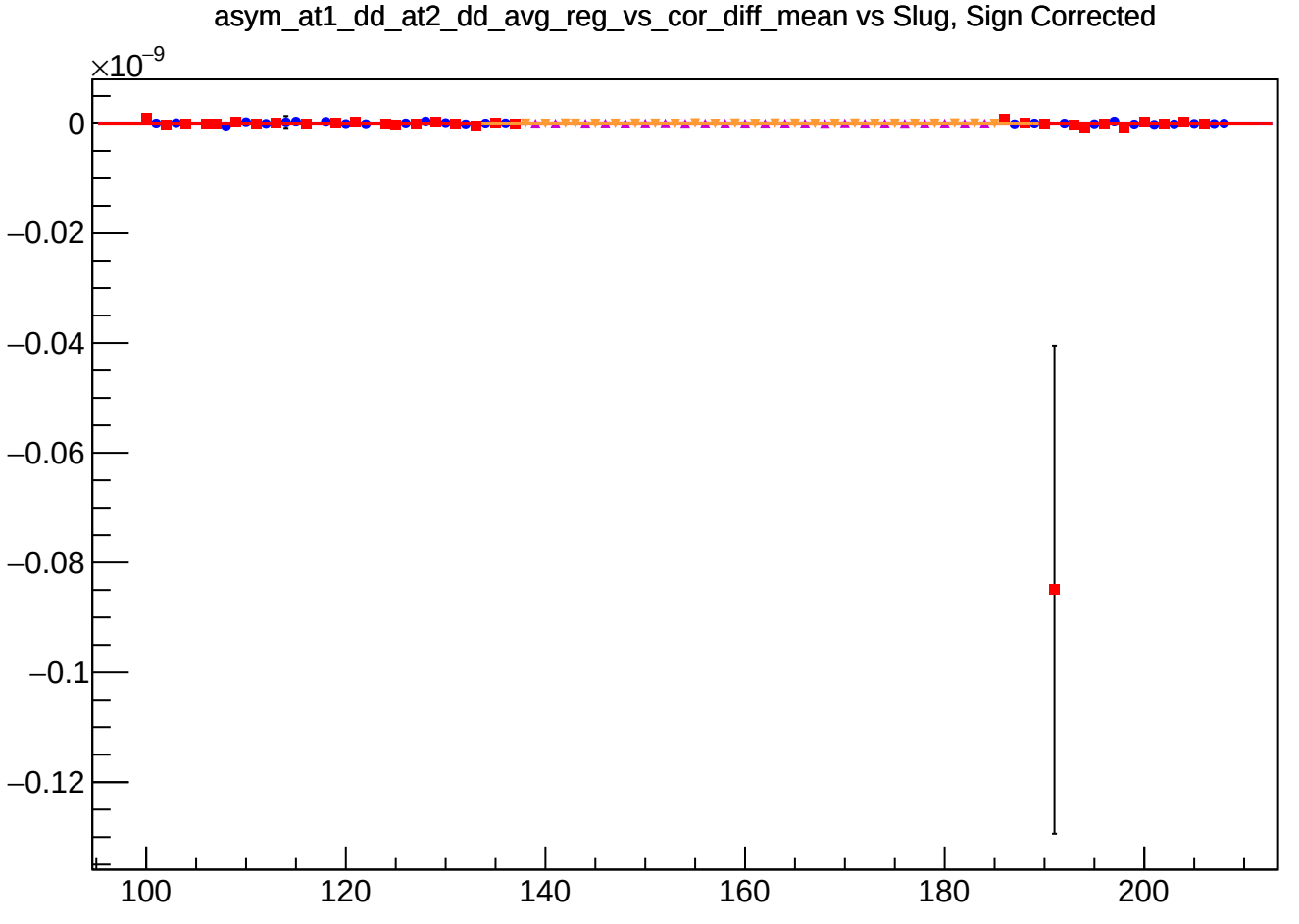
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1871.049+/-0.238 χ^2/NDF: 1874723.1/57

In: 1521.448+/-0.187 χ^2/NDF:2266010.4/49

Out: 1542.987+/-0.187 χ^2/NDF:2949487.5/55

All: 1532.229+/-0.132 χ^2/NDF: 5222117.1/10



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

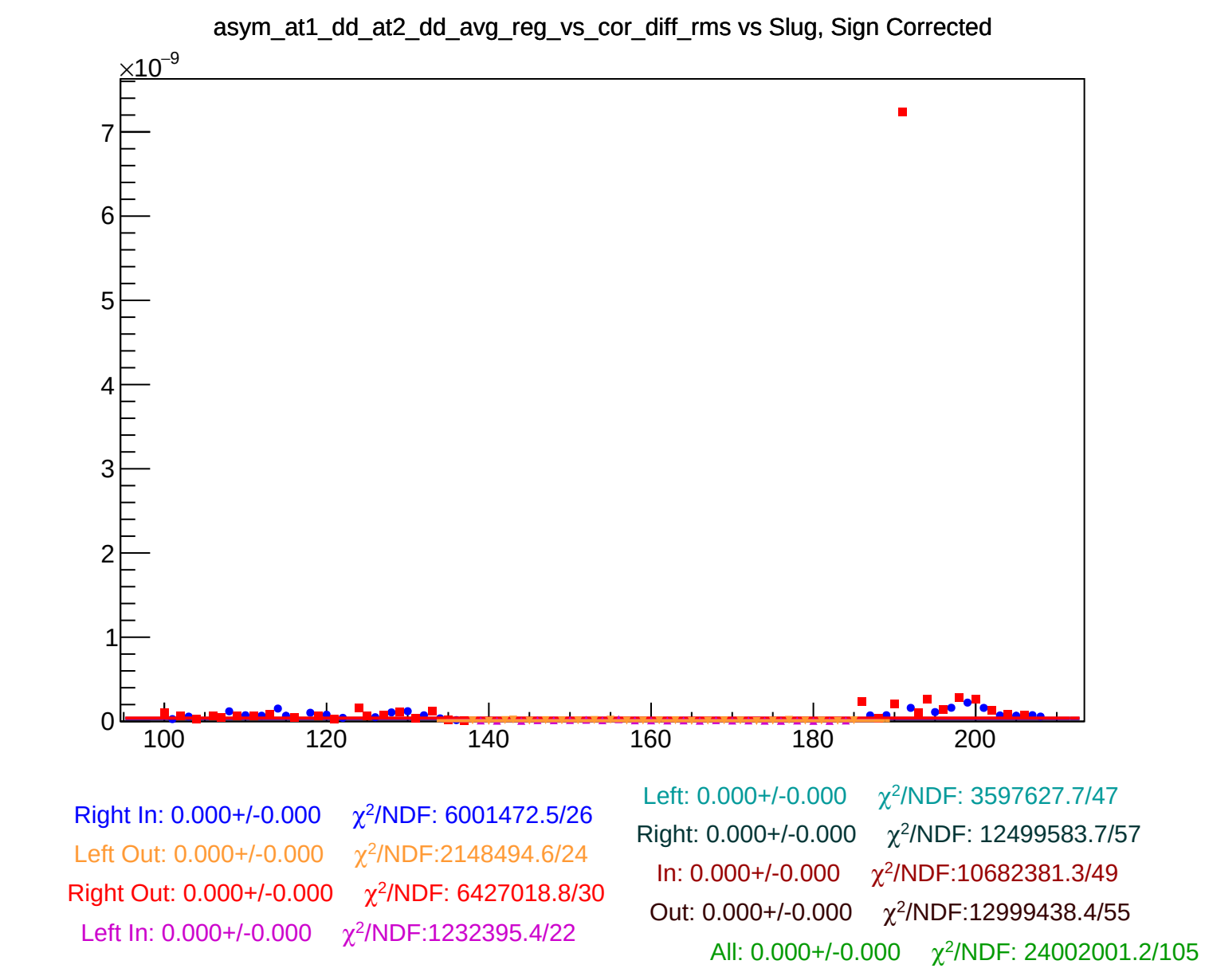
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 70.3/57

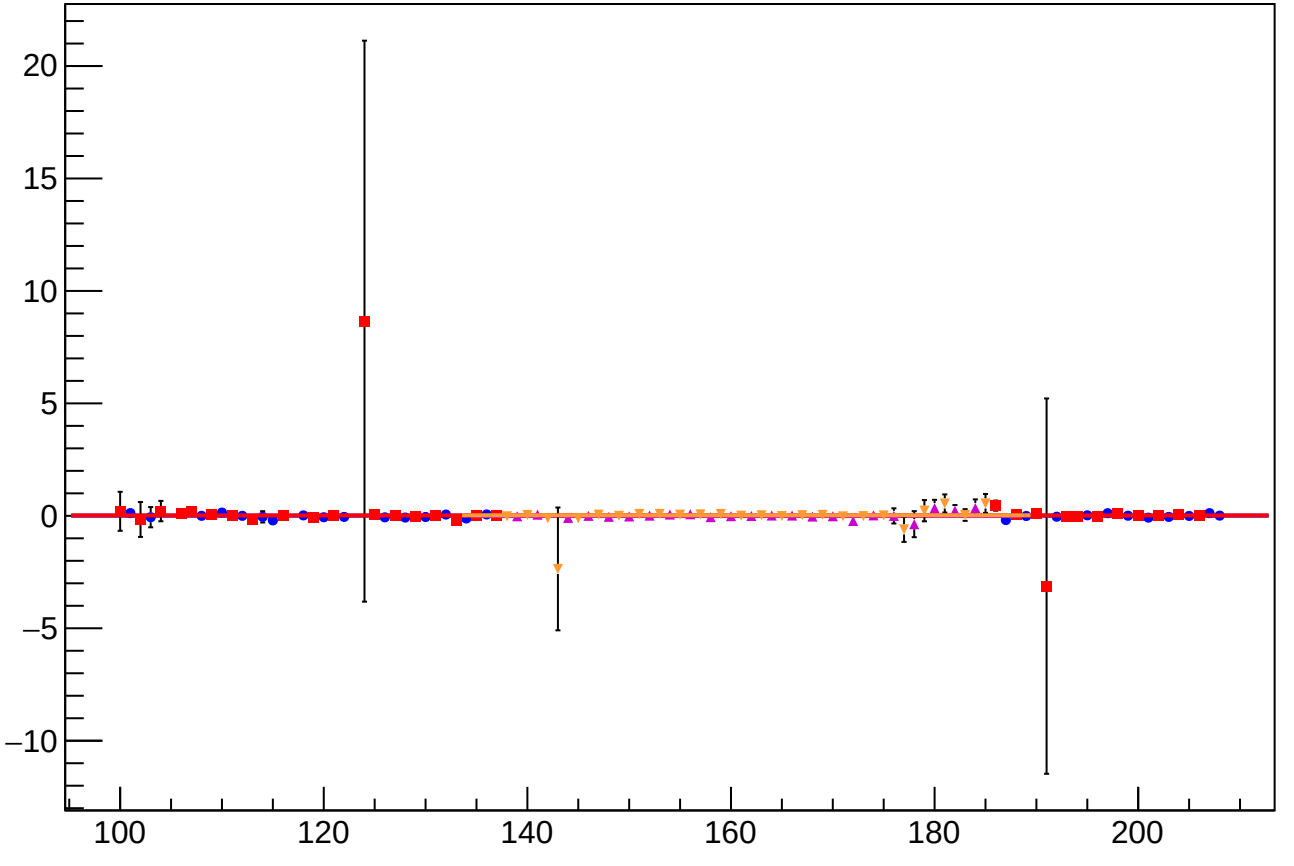
In: 0.000+/-0.000 χ^2/NDF:36.6/49

Out: 0.000+/-0.000 χ^2/NDF:72.3/55

All: 0.000+/-0.000 χ^2/NDF: 108.9/105


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6001472.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6427018.8/30
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 12499583.7/57
In: 0.000+/-0.000 χ²/NDF:10682381.3/49
Out: 0.000+/-0.000 χ²/NDF:12999438.4/55
All: 0.000+/-0.000 χ²/NDF: 24002001.2/105

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

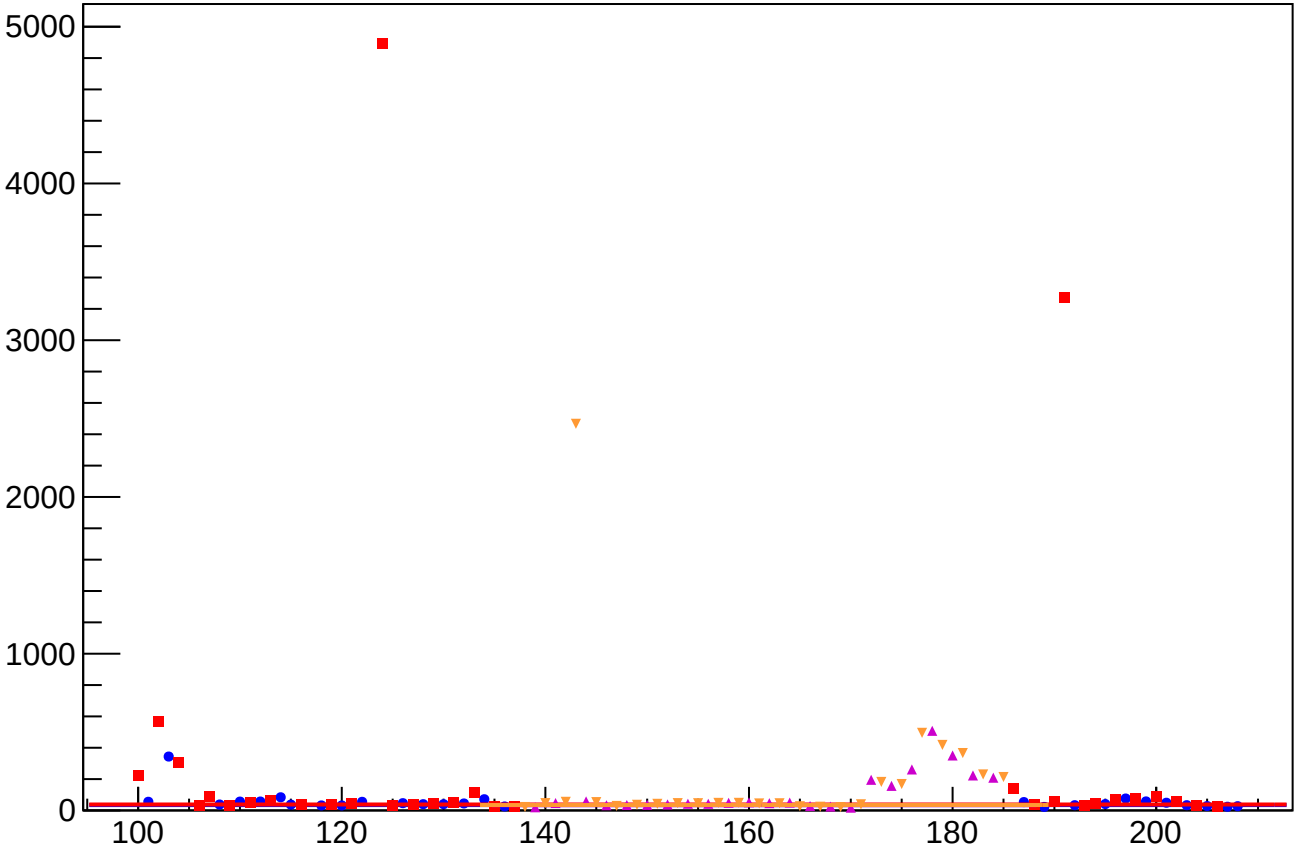
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

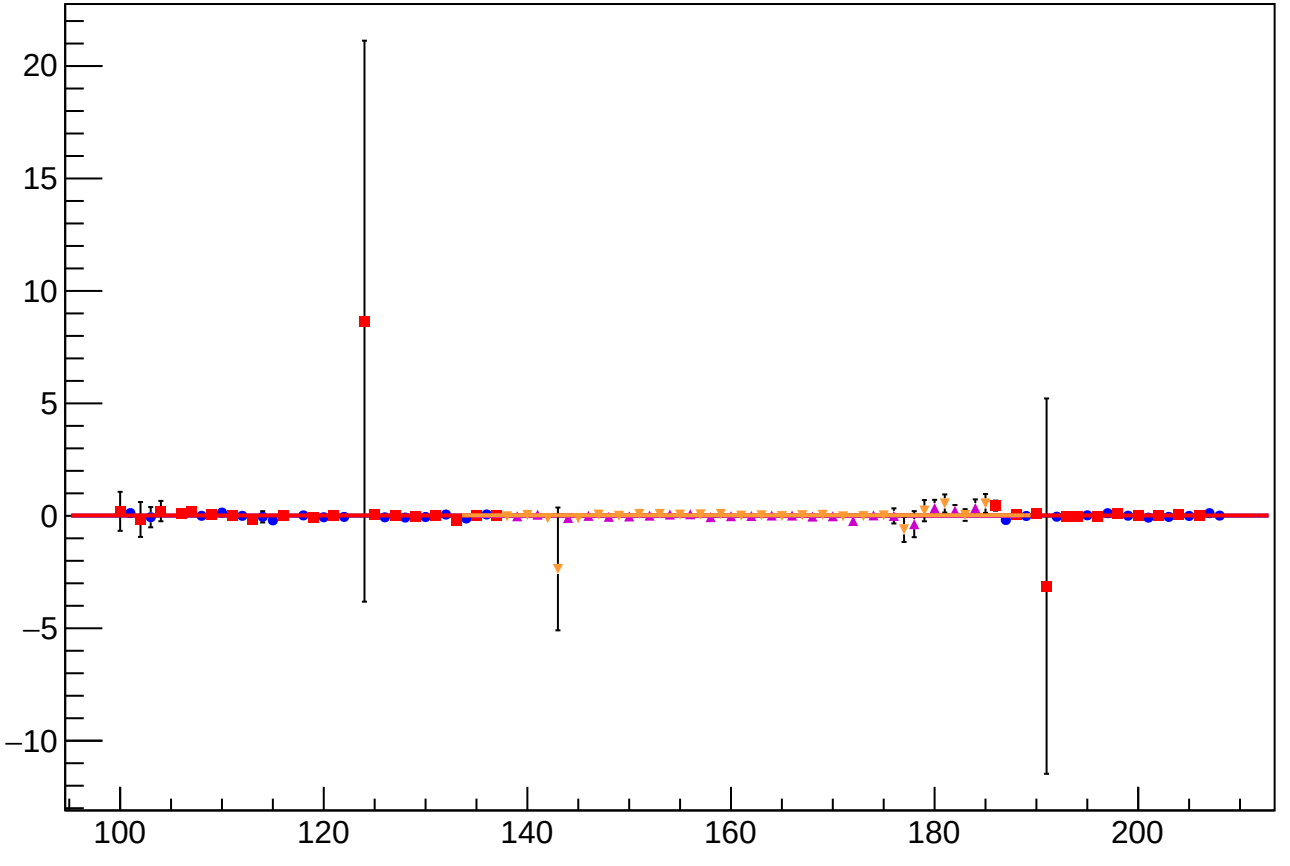
Right: 35.922+/-0.005 χ^2/NDF: 9532704.5/57

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

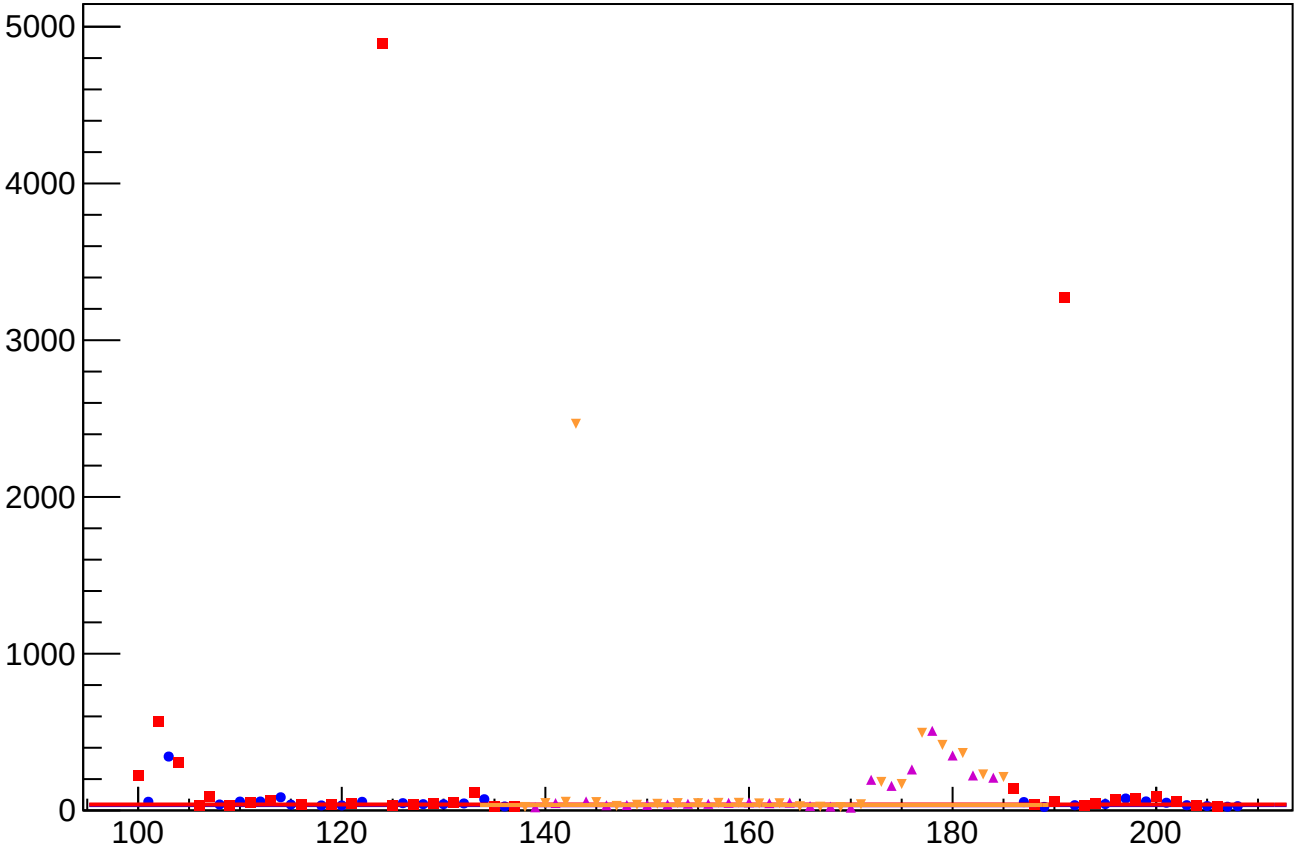
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

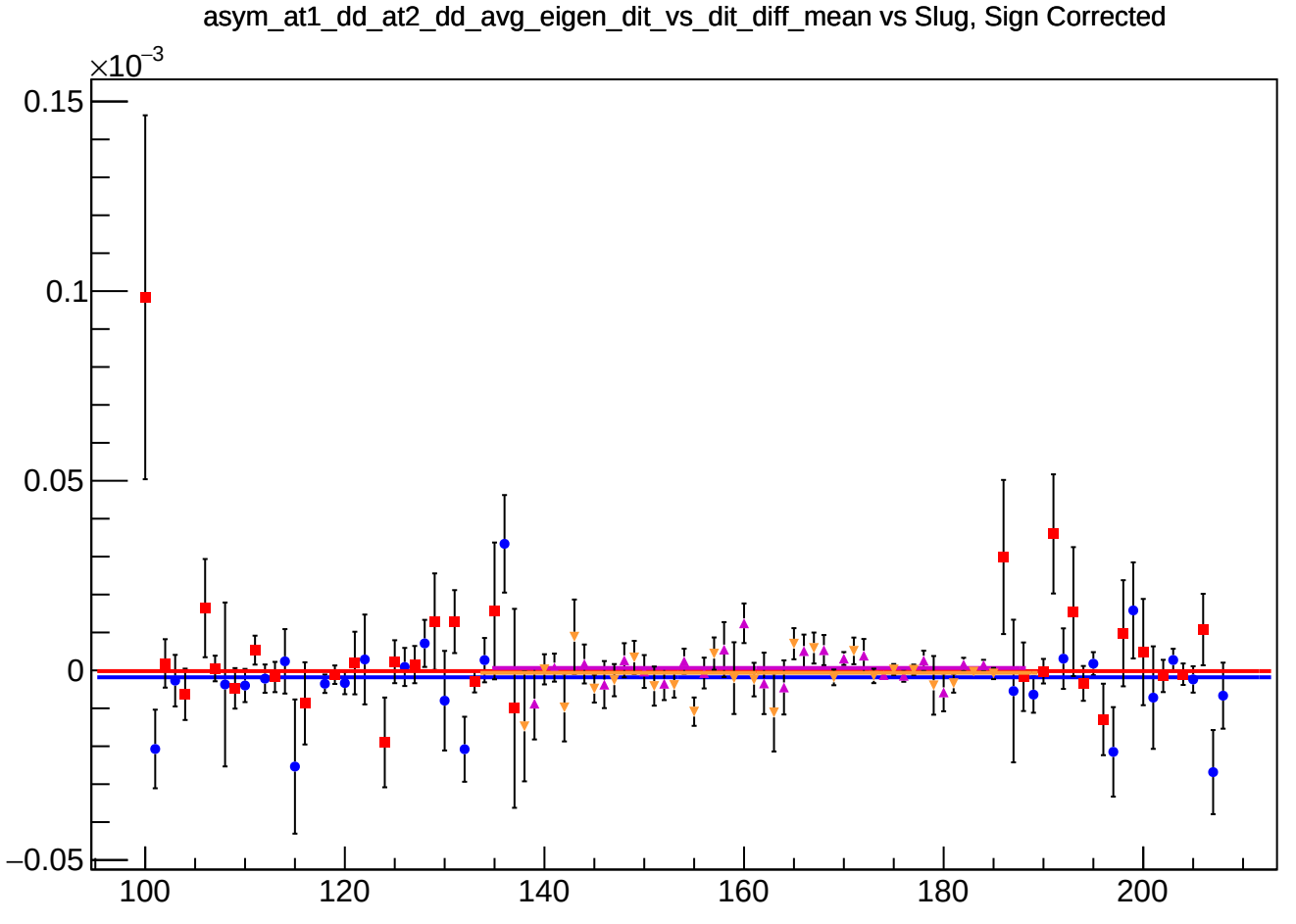
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 35.922+/-0.005 χ^2/NDF: 9532704.5/57

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 34.960+/-0.004 χ^2/NDF: 31075495.0/105



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

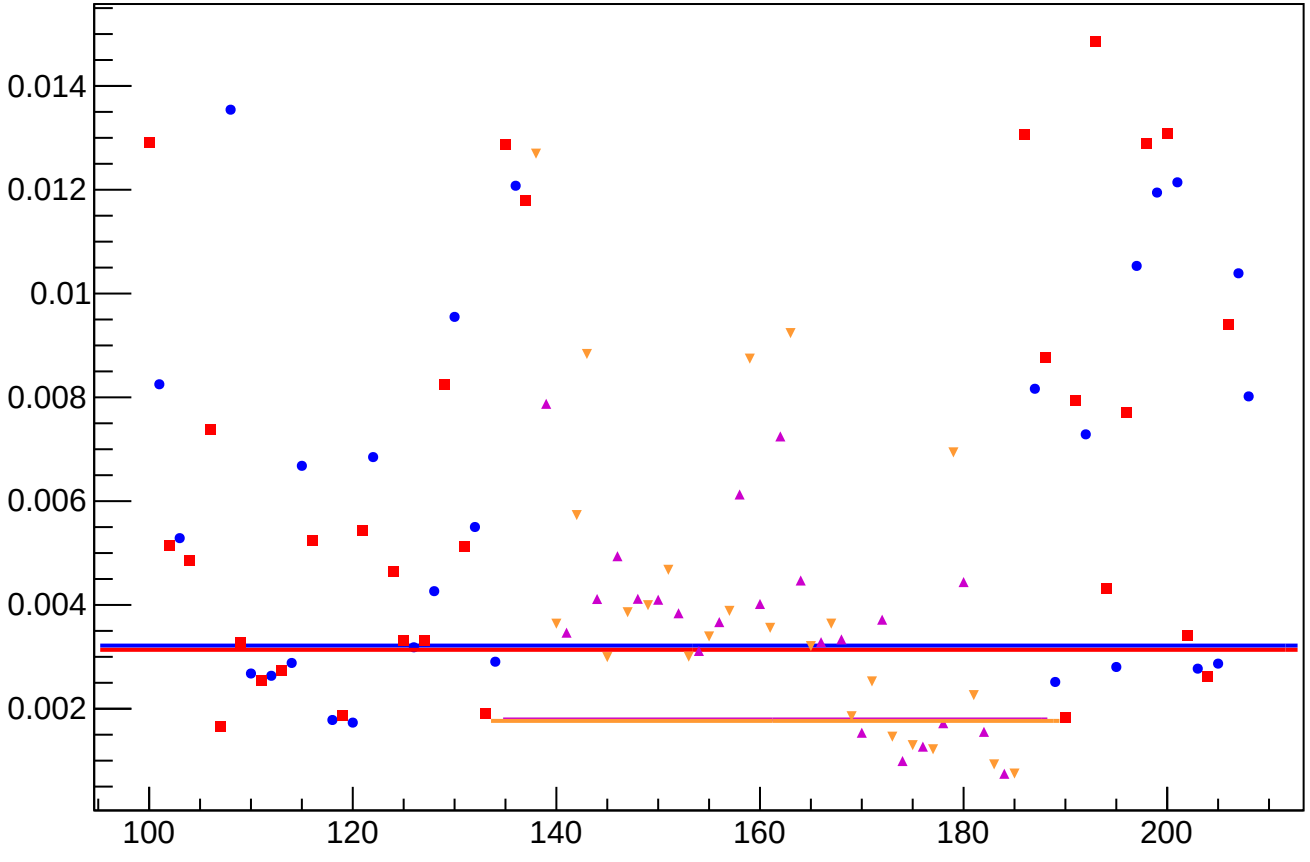
Right: -0.000+/-0.000 χ^2/NDF: 70.6/57

In: 0.000+/-0.000 χ^2/NDF:64.0/49

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 125.2/105

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

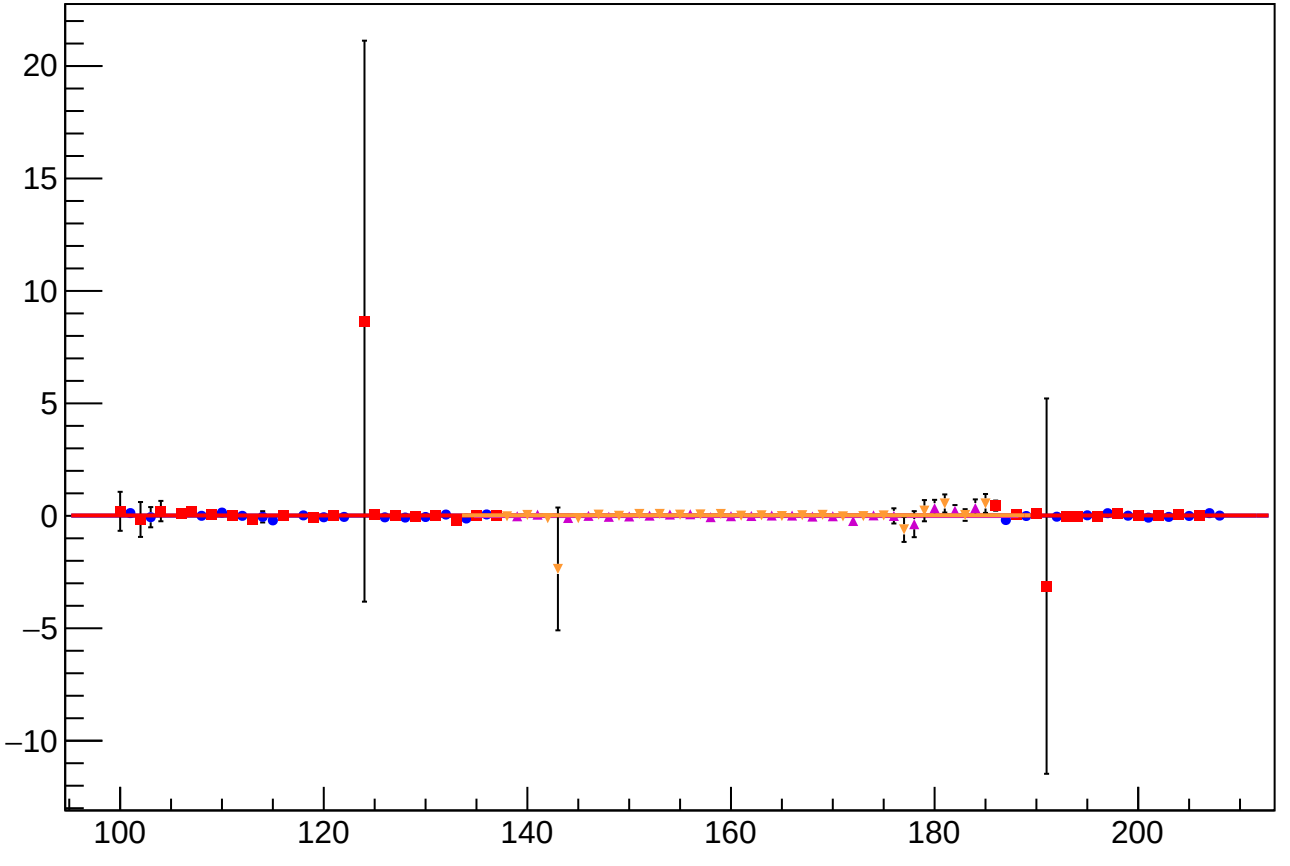
Right: 0.003+/-0.000 χ^2/NDF: 18895587.1/57

In: 0.002+/-0.000 χ^2/NDF:23006069.7/49

Out: 0.002+/-0.000 χ^2/NDF:25890982.3/55

All: 0.002+/-0.000 χ^2/NDF: 48905851.7/105

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

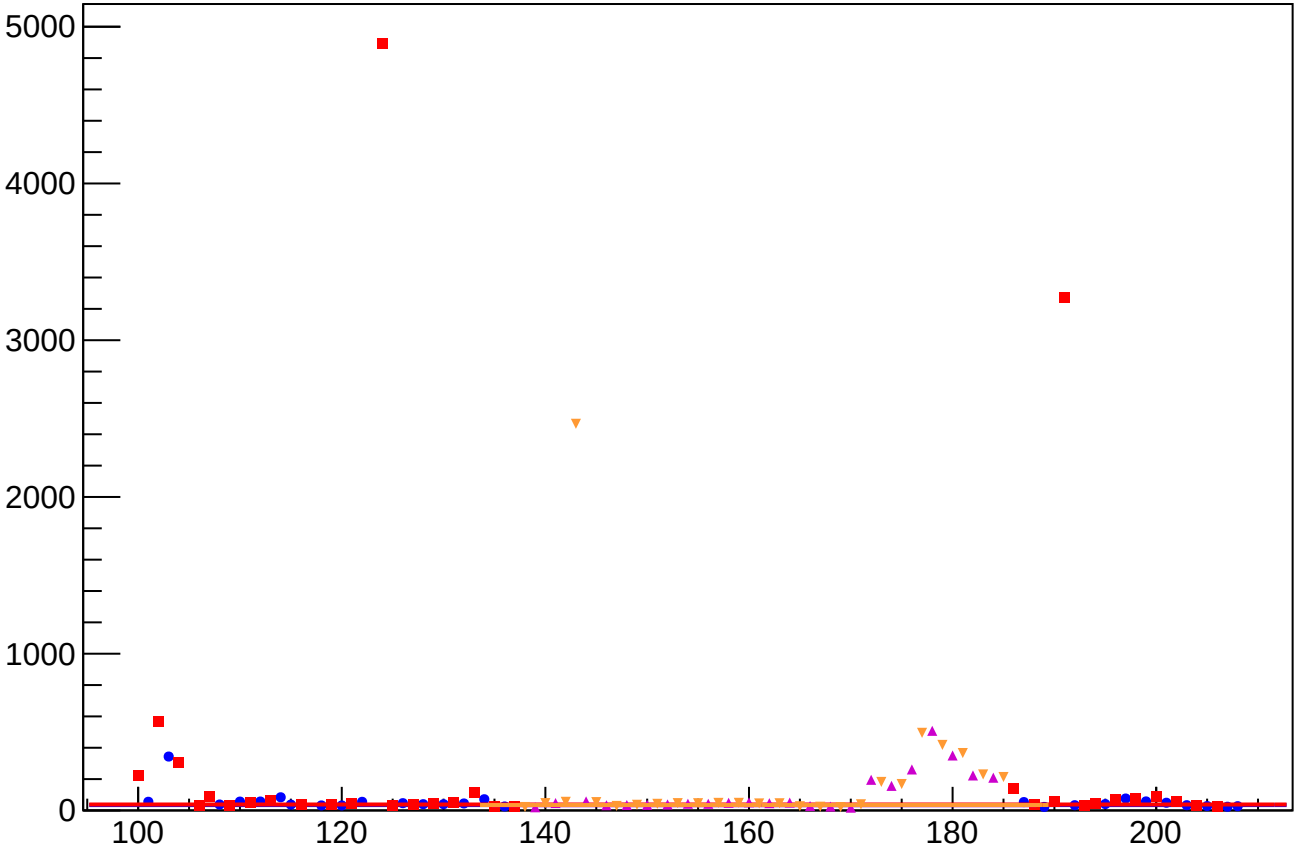
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

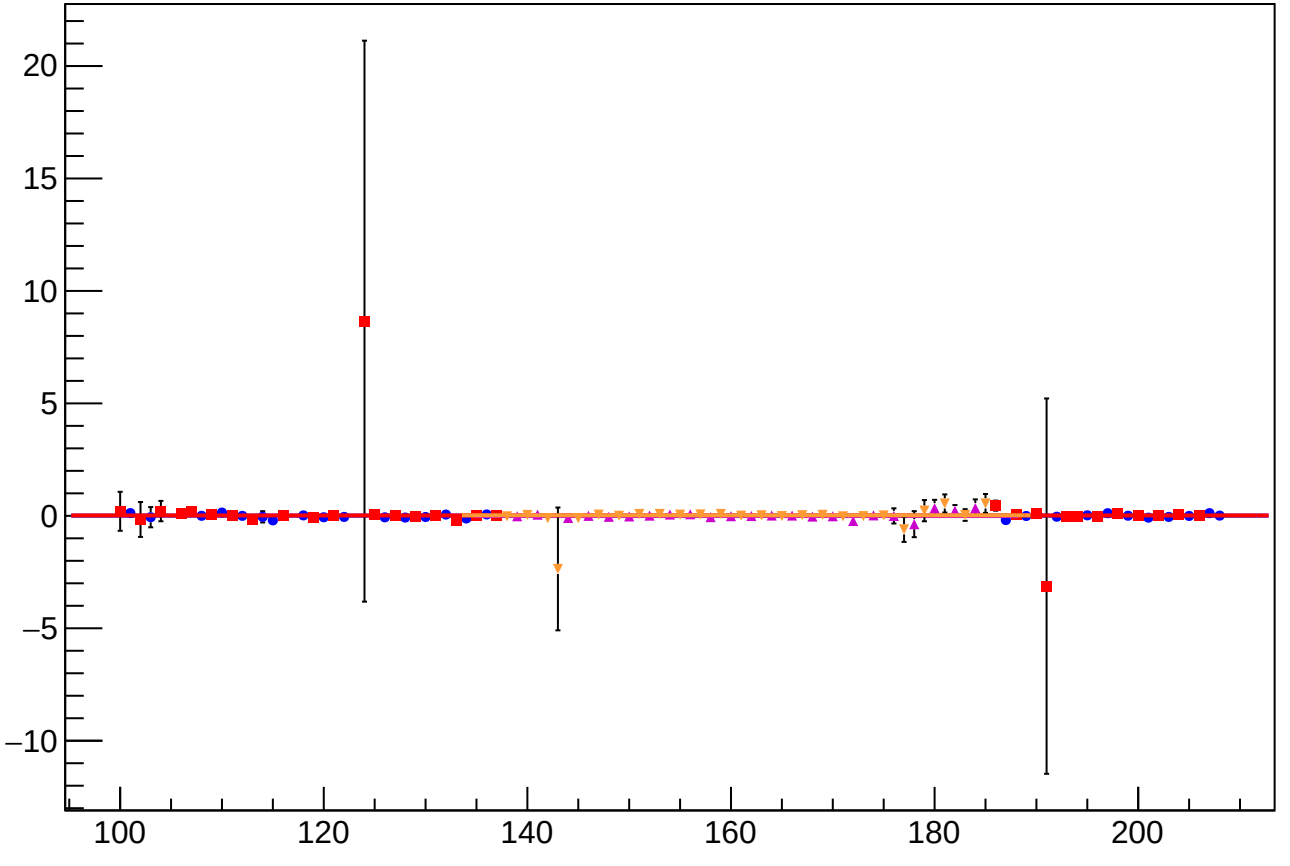
Right: 35.924+/-0.005 χ^2/NDF: 9530789.7/57

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

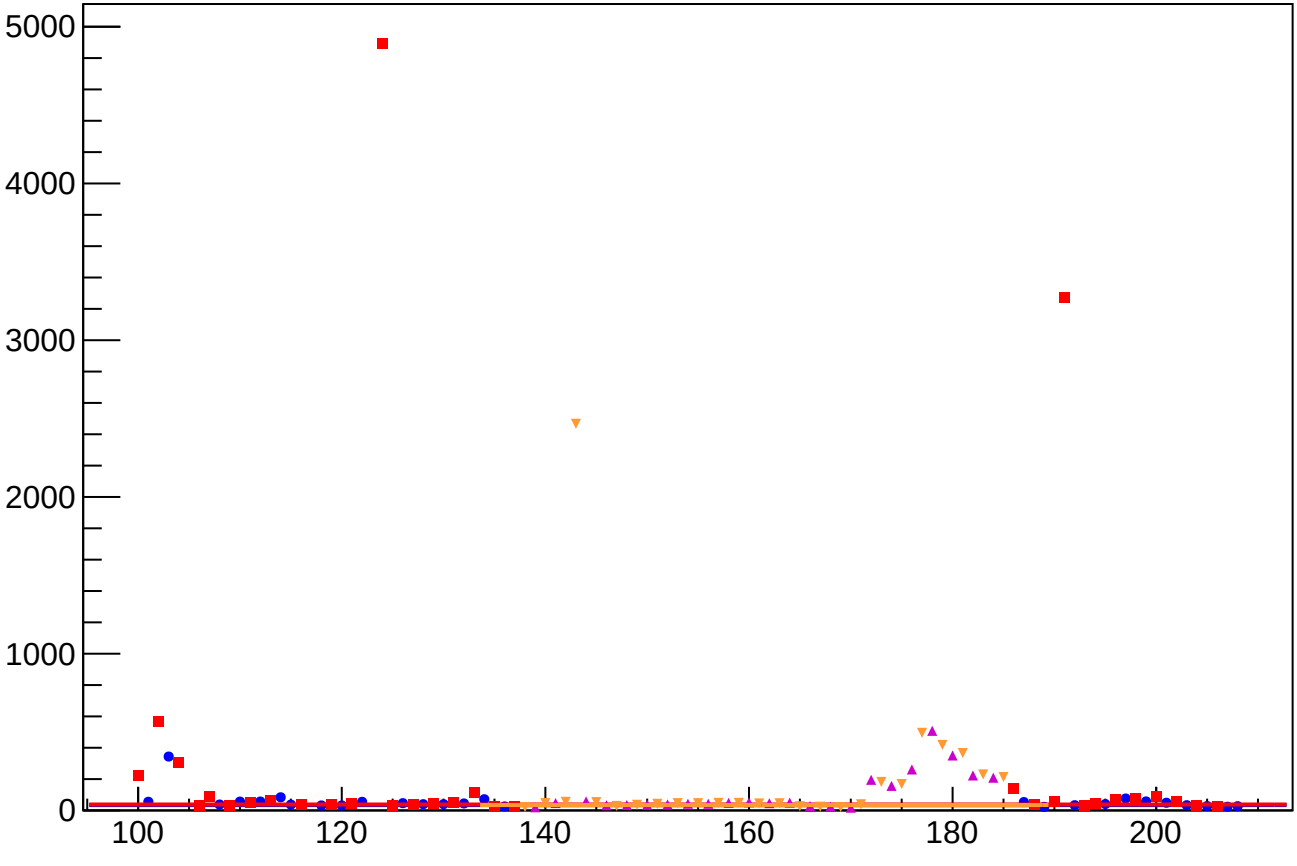
Right: 0.012+/-0.008 χ^2/NDF: 64.9/57

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/105

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

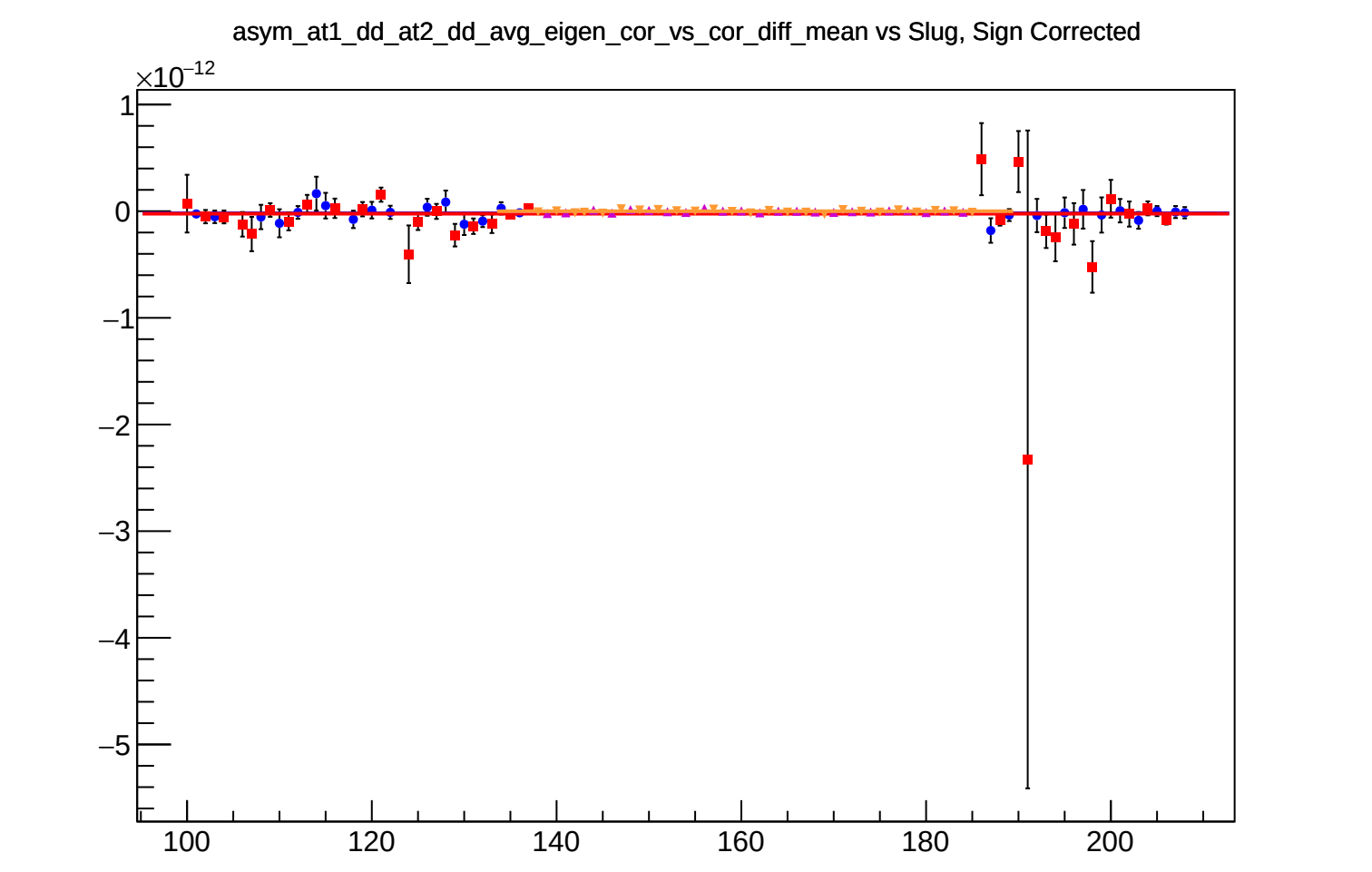
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 35.924+/-0.005 χ^2/NDF: 9530789.7/57

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 34.962+/-0.004 χ^2/NDF: 31072478.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.2/30

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

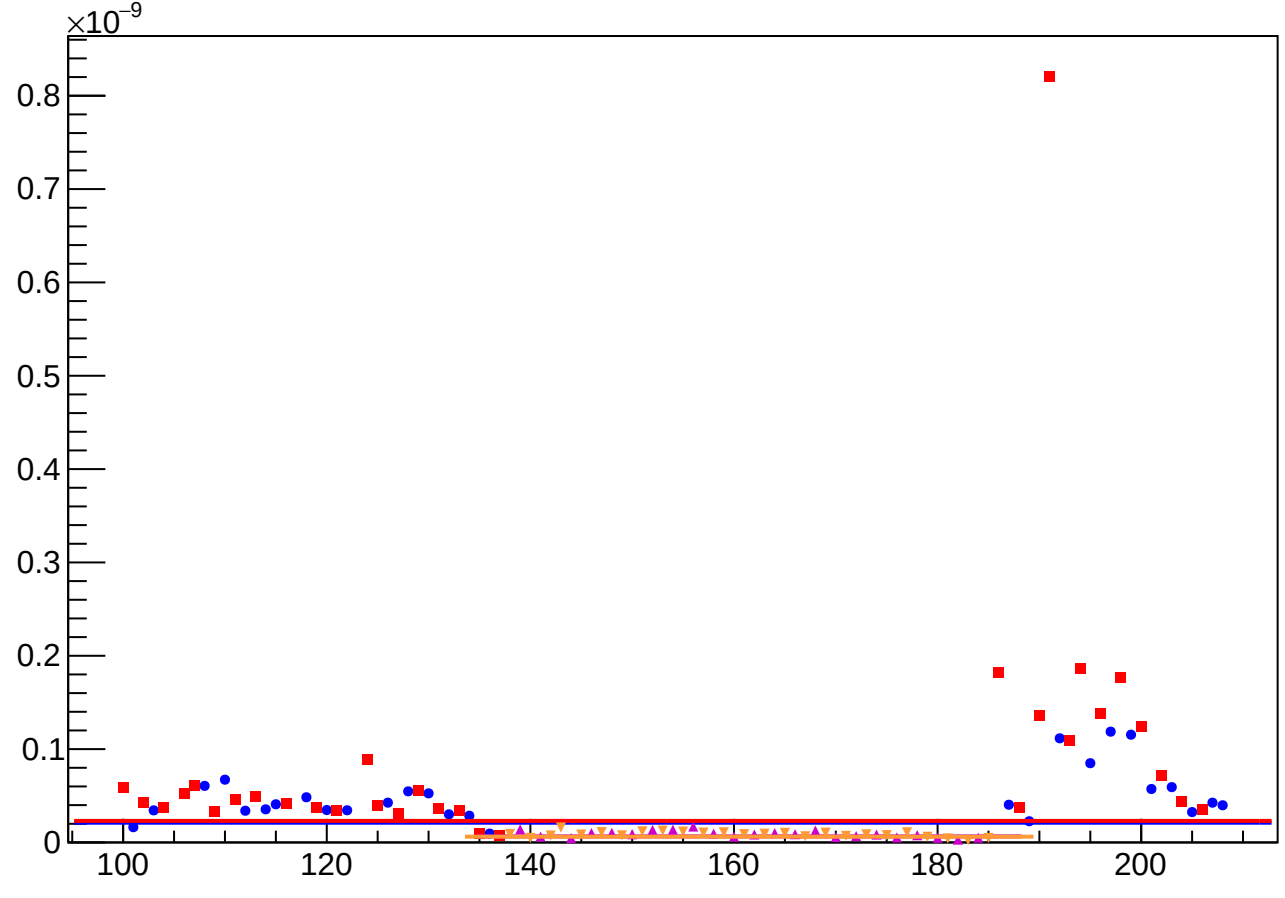
Right: -0.000+/-0.000 χ^2/NDF: 55.7/57

In: -0.000+/-0.000 χ^2/NDF:34.9/49

Out: -0.000+/-0.000 χ^2/NDF:75.2/55

All: -0.000+/-0.000 χ^2/NDF: 110.5/105

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

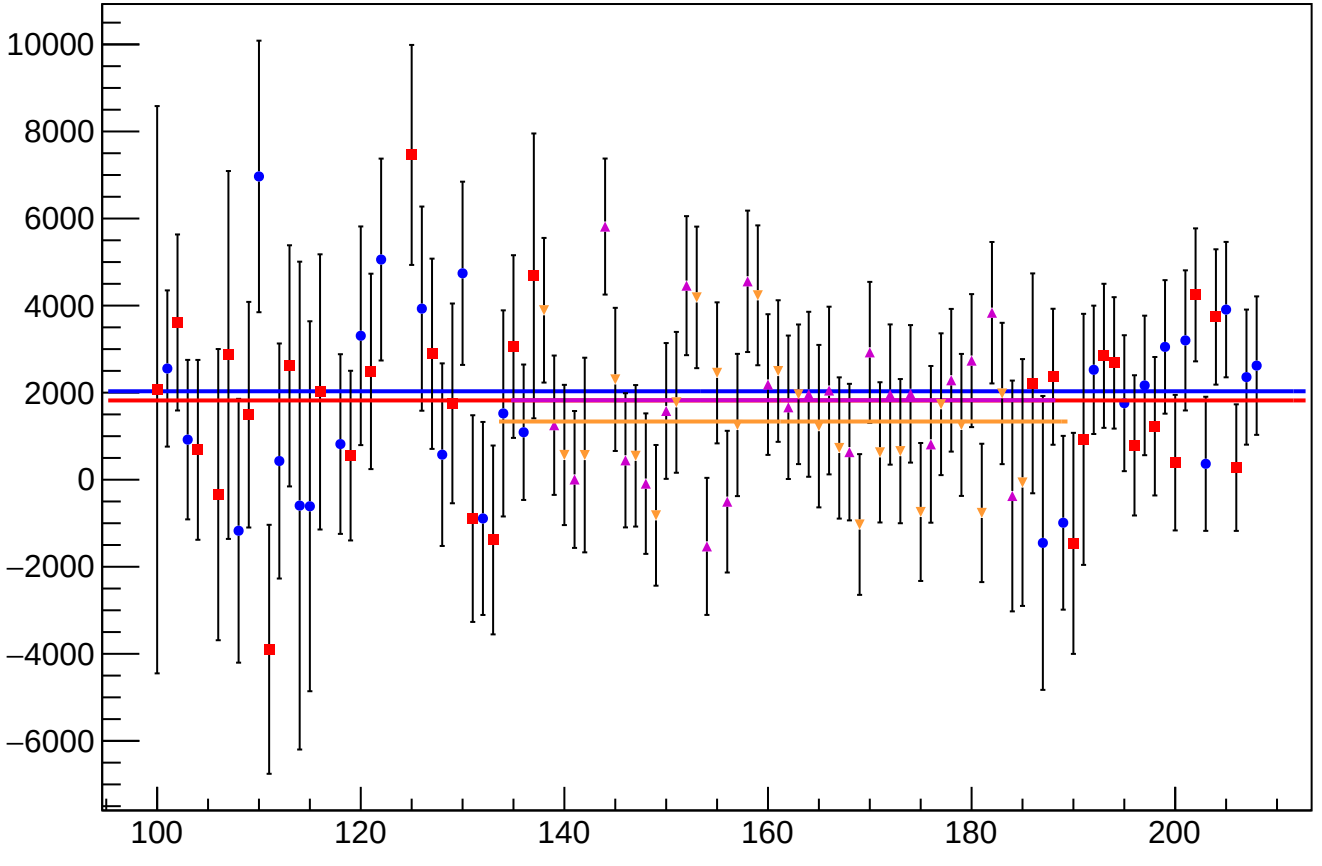
Right: 0.000+/-0.000 χ^2/NDF: 16914180.2/57

In: 0.000+/-0.000 χ^2/NDF:16207496.0/49

Out: 0.000+/-0.000 χ^2/NDF:19924978.9/55

All: 0.000+/-0.000 χ^2/NDF: 36173571.4/105

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2031.699+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1820.899+/-377.104 χ^2/NDF: 25.2/29

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

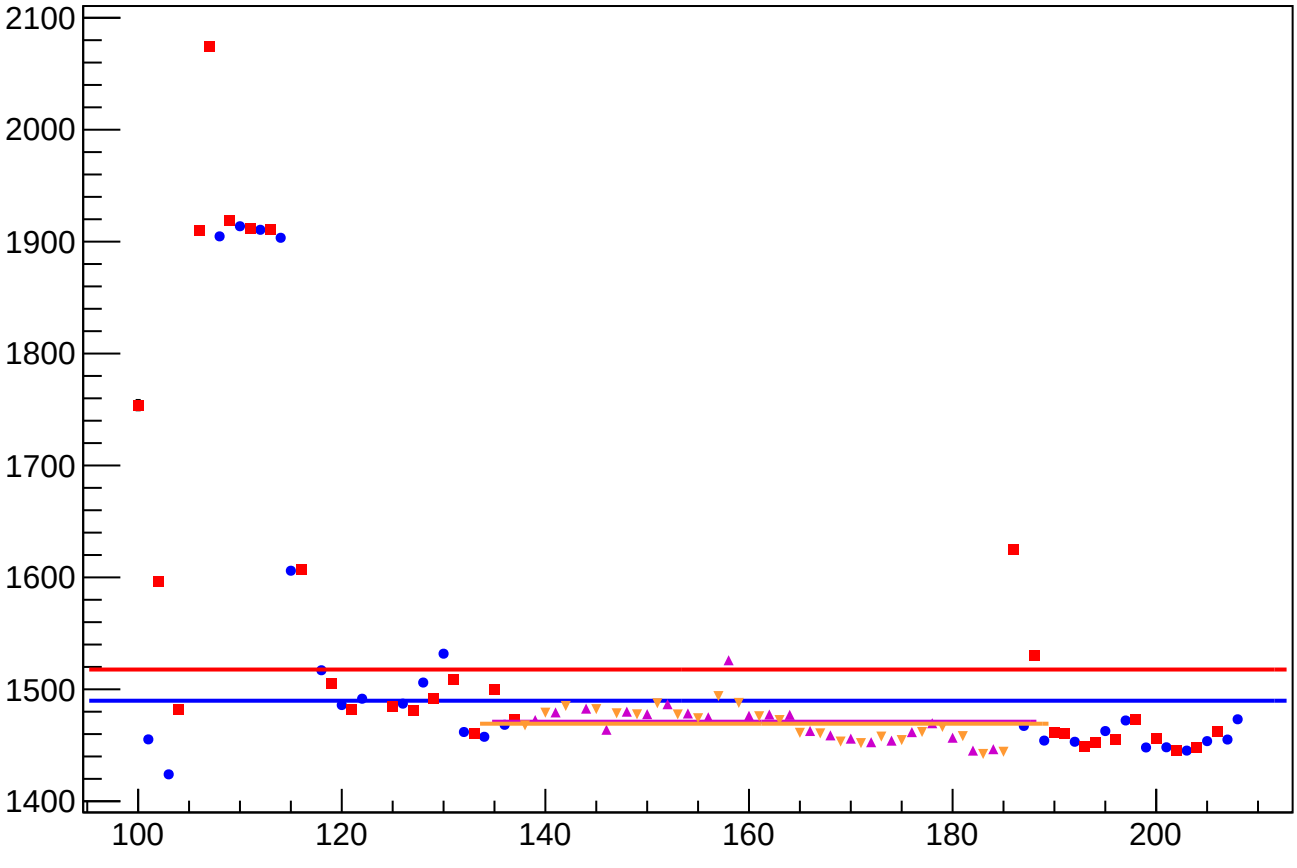
Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

Right: 1926.869+/-265.932 χ^2/NDF: 44.9/56

In: 1920.150+/-253.312 χ^2/NDF:46.2/49

Out: 1554.695+/-252.932 χ^2/NDF:45.3/53

All: 1737.148+/-178.984 χ^2/NDF: 92.5/103



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1517.676+/-0.267 χ^2/NDF: 231874.4/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

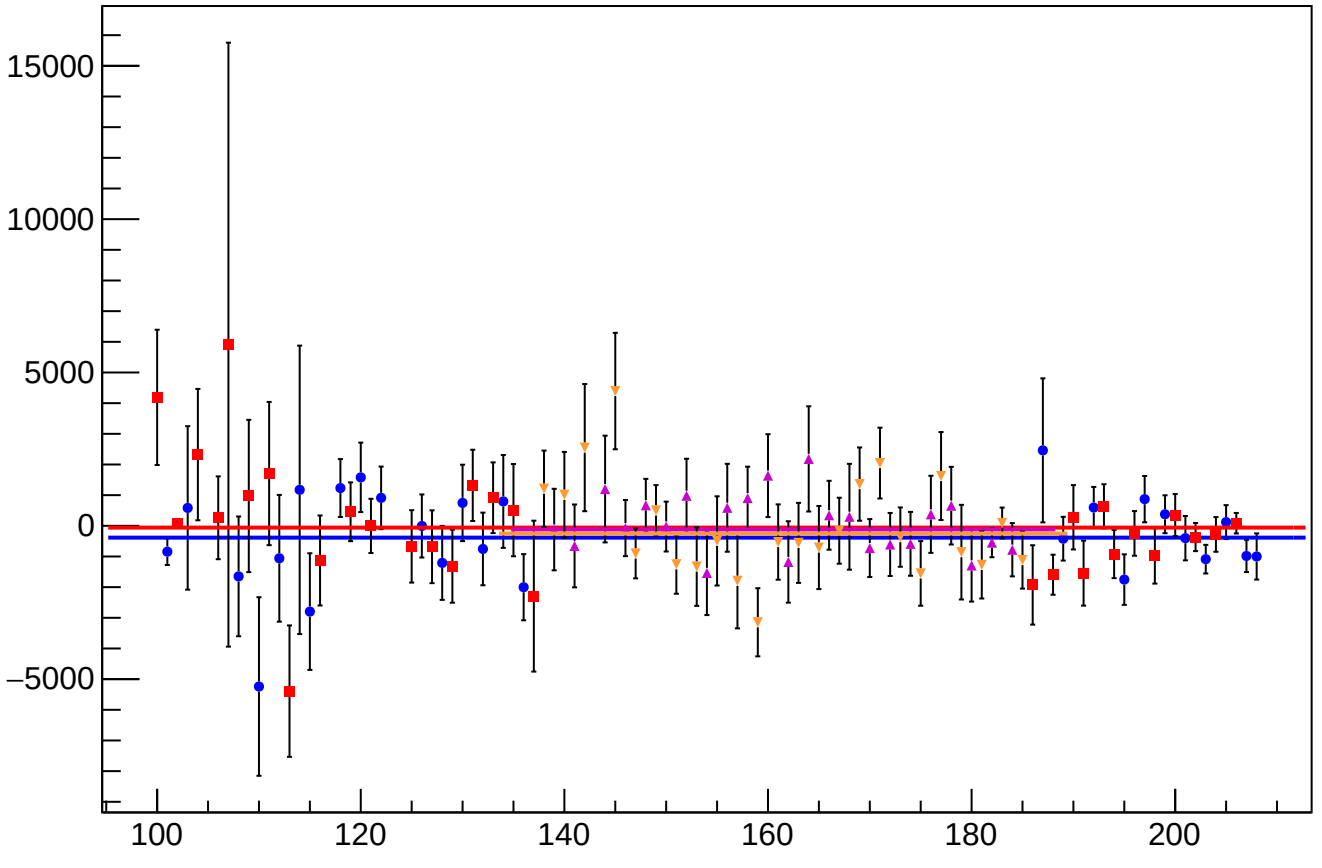
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1503.667+/-0.188 χ^2/NDF: 388035.7/56

In: 1479.609+/-0.179 χ^2/NDF:158033.3/49

Out: 1491.044+/-0.179 χ^2/NDF:253161.0/53

All: 1485.335+/-0.127 χ^2/NDF: 413235.5/103



Right In: -385.272+/-160.464 χ^2/NDF: 33.9/26

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -58.555+/-104.453 χ^2/NDF: 32.7/29

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

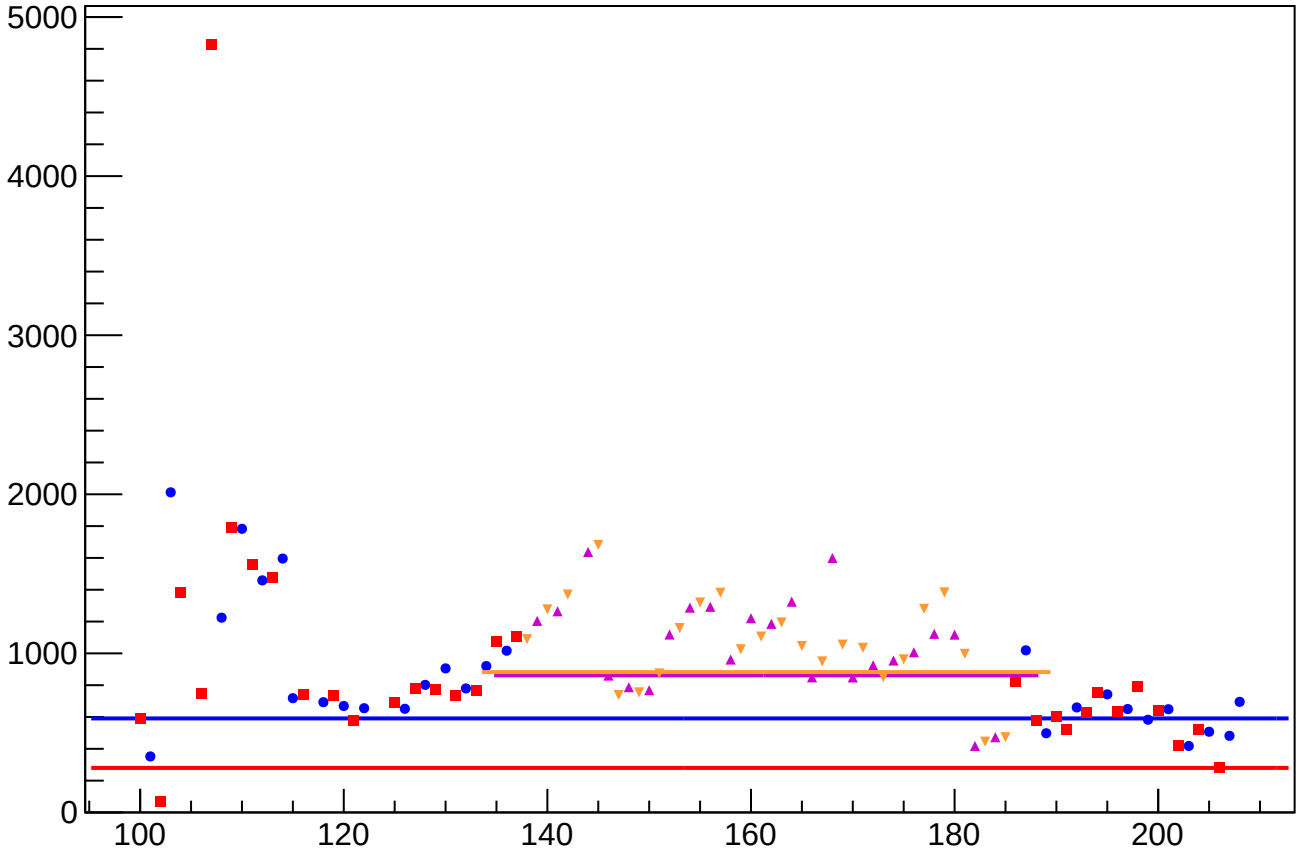
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -155.792+/-87.540 χ^2/NDF: 69.5/56

In: -290.851+/-128.804 χ^2/NDF:47.7/49

Out: -94.501+/-94.228 χ^2/NDF:66.0/53

All: -162.951+/-76.050 χ^2/NDF: 115.3/103



Right In: 591.077+/-0.113 χ^2/NDF: 3520720.9/26

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 280.048+/-0.074 χ^2/NDF: 15586444.9/29

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

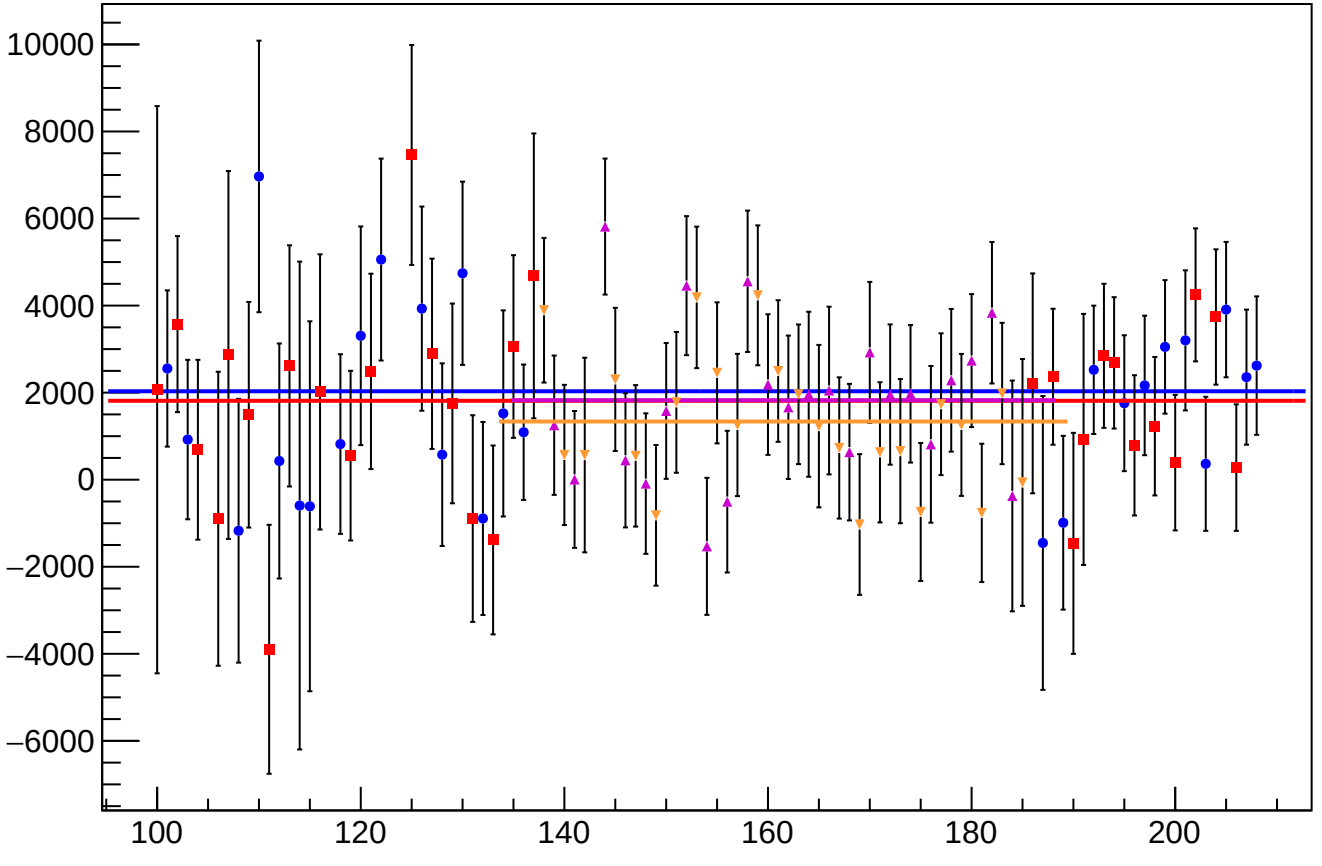
Right: 372.616+/-0.062 χ^2/NDF: 24384953.4/56

In: 687.543+/-0.091 χ^2/NDF:9922373.8/49

Out: 392.211+/-0.067 χ^2/NDF:31873104.0/53

All: 495.167+/-0.054 χ^2/NDF: 48644588.7/10

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1813.168+/-377.152 χ^2/NDF: 25.4/29

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

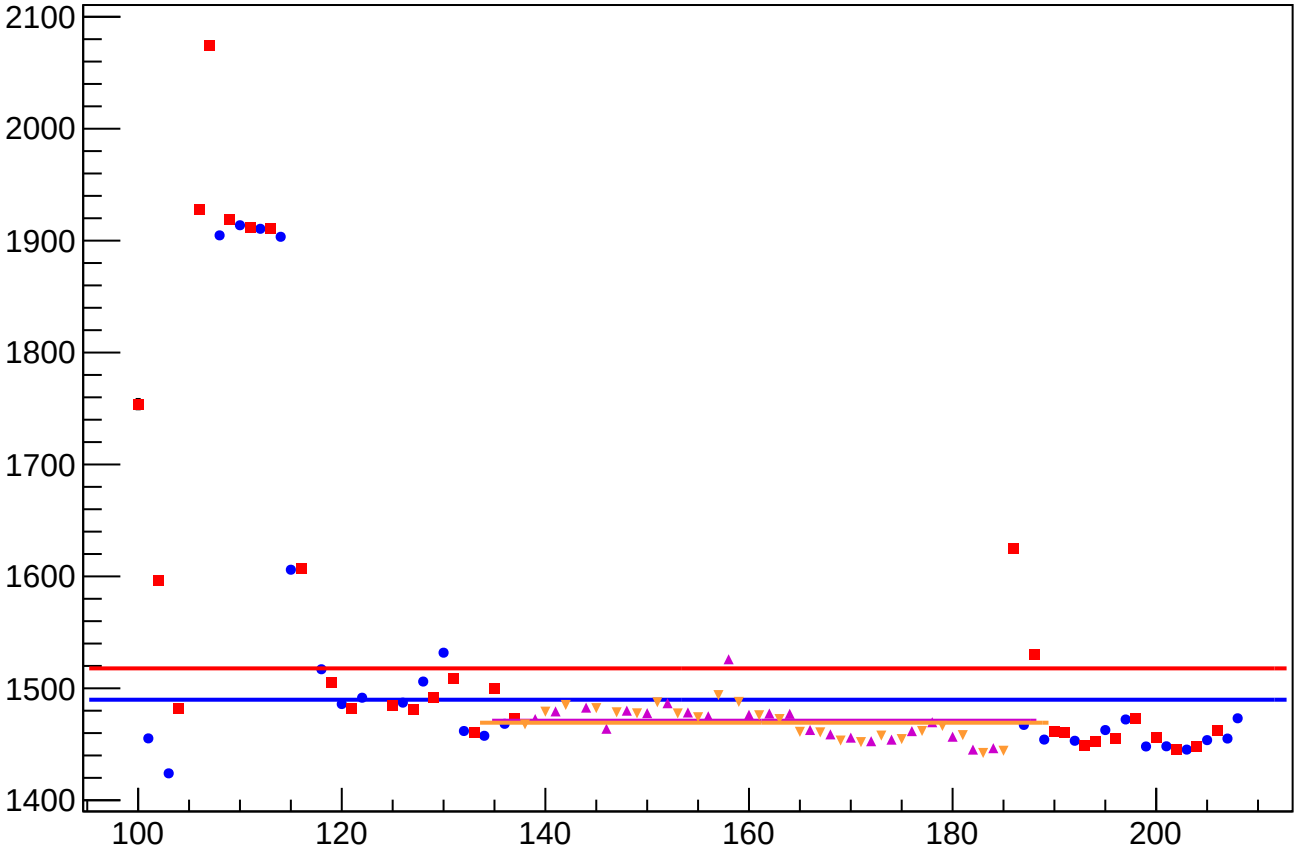
Right: 1923.082+/-265.948 χ^2/NDF: 45.1/56

In: 1920.215+/-253.312 χ^2/NDF:46.2/49

Out: 1551.193+/-252.946 χ^2/NDF:45.5/53

All: 1735.437+/-178.989 χ^2/NDF: 92.7/103

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

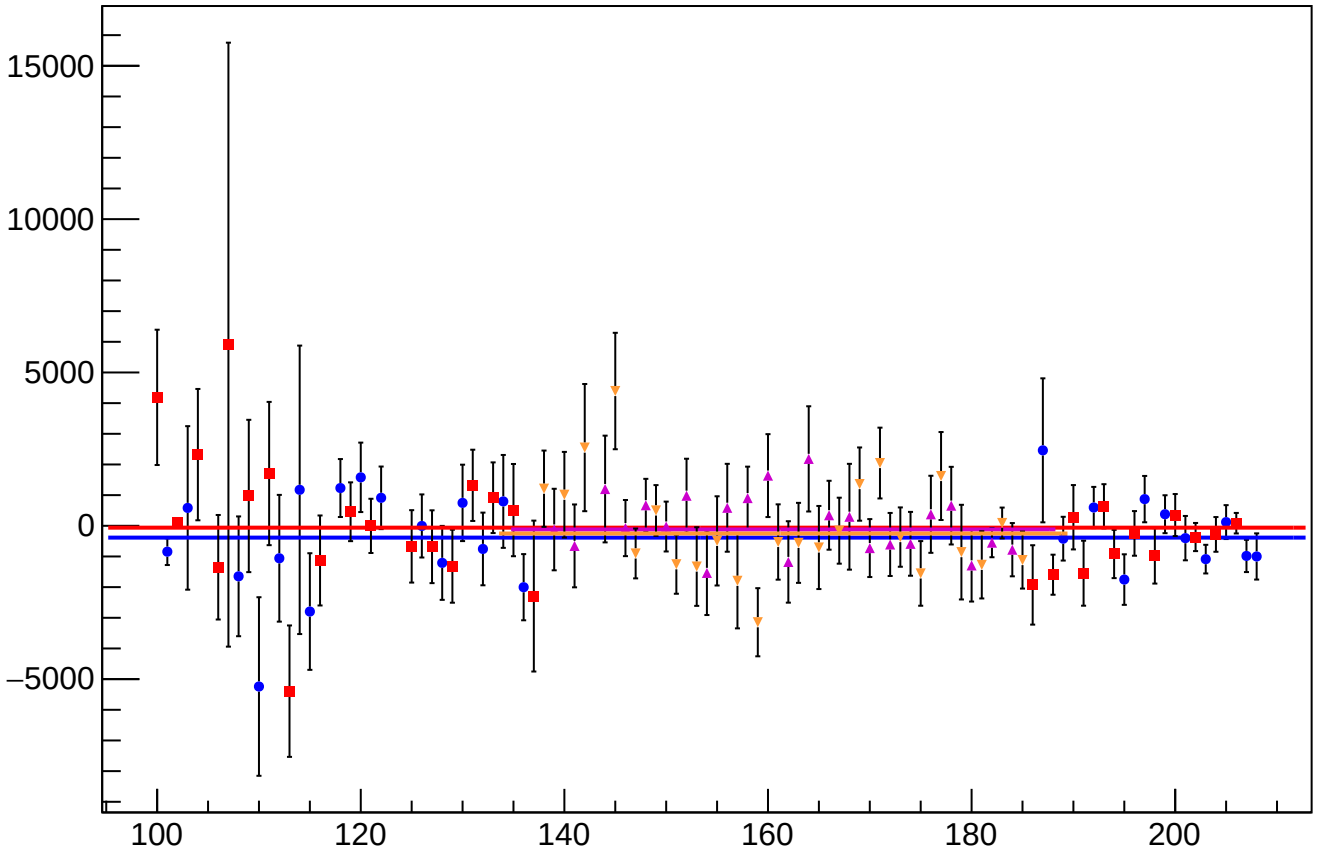
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1503.735+/-0.188 χ^2/NDF: 390161.1/56

In: 1479.609+/-0.179 χ^2/NDF:158033.3/49

Out: 1491.104+/-0.179 χ^2/NDF:255334.4/53

All: 1485.365+/-0.127 χ^2/NDF: 415430.1/103



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -60.719+/-109.938 χ^2/NDF: 33.5/29

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

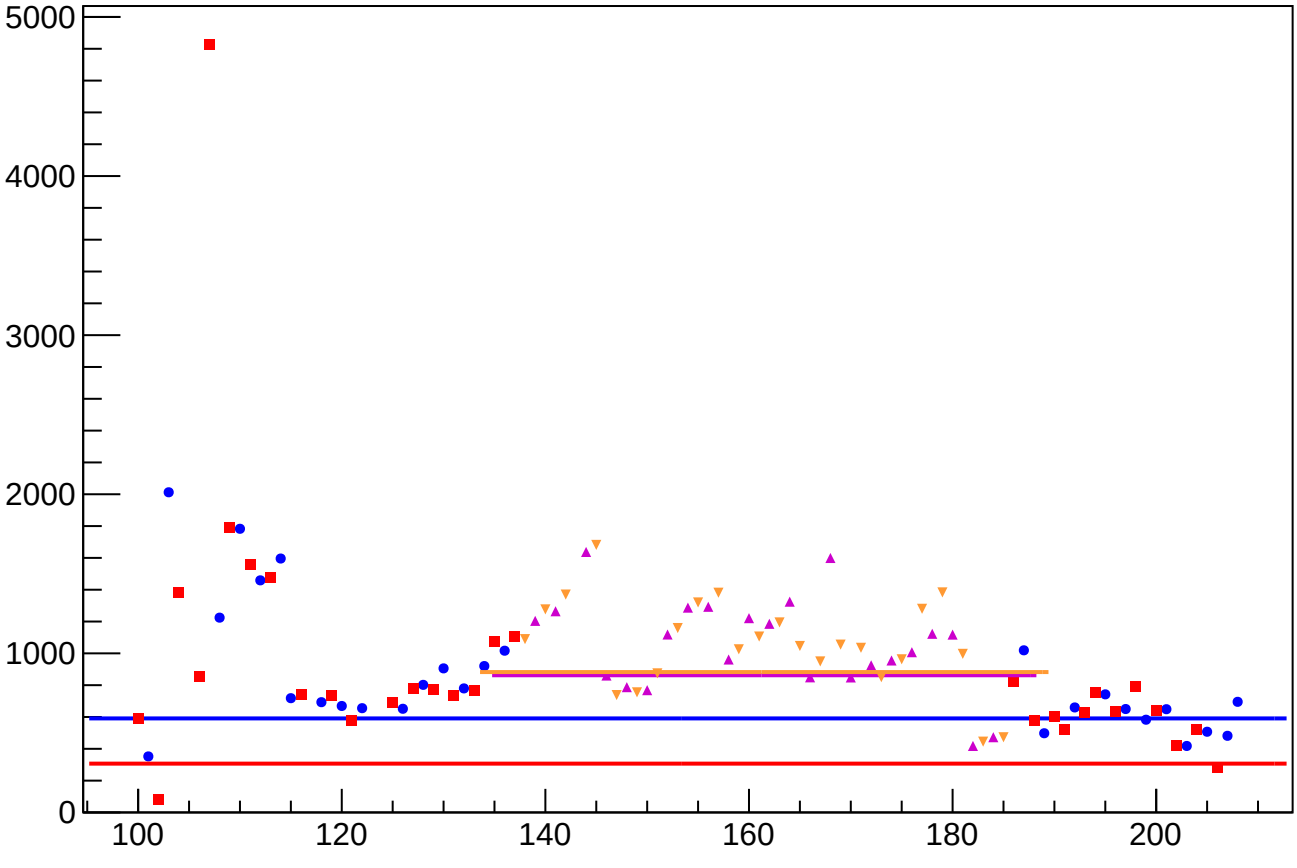
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -164.378+/-90.694 χ^2/NDF: 70.2/56

In: -290.825+/-128.803 χ^2/NDF:47.7/49

Out: -99.316+/-98.196 χ^2/NDF:66.8/53

All: -169.709+/-78.091 χ^2/NDF: 115.9/103



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

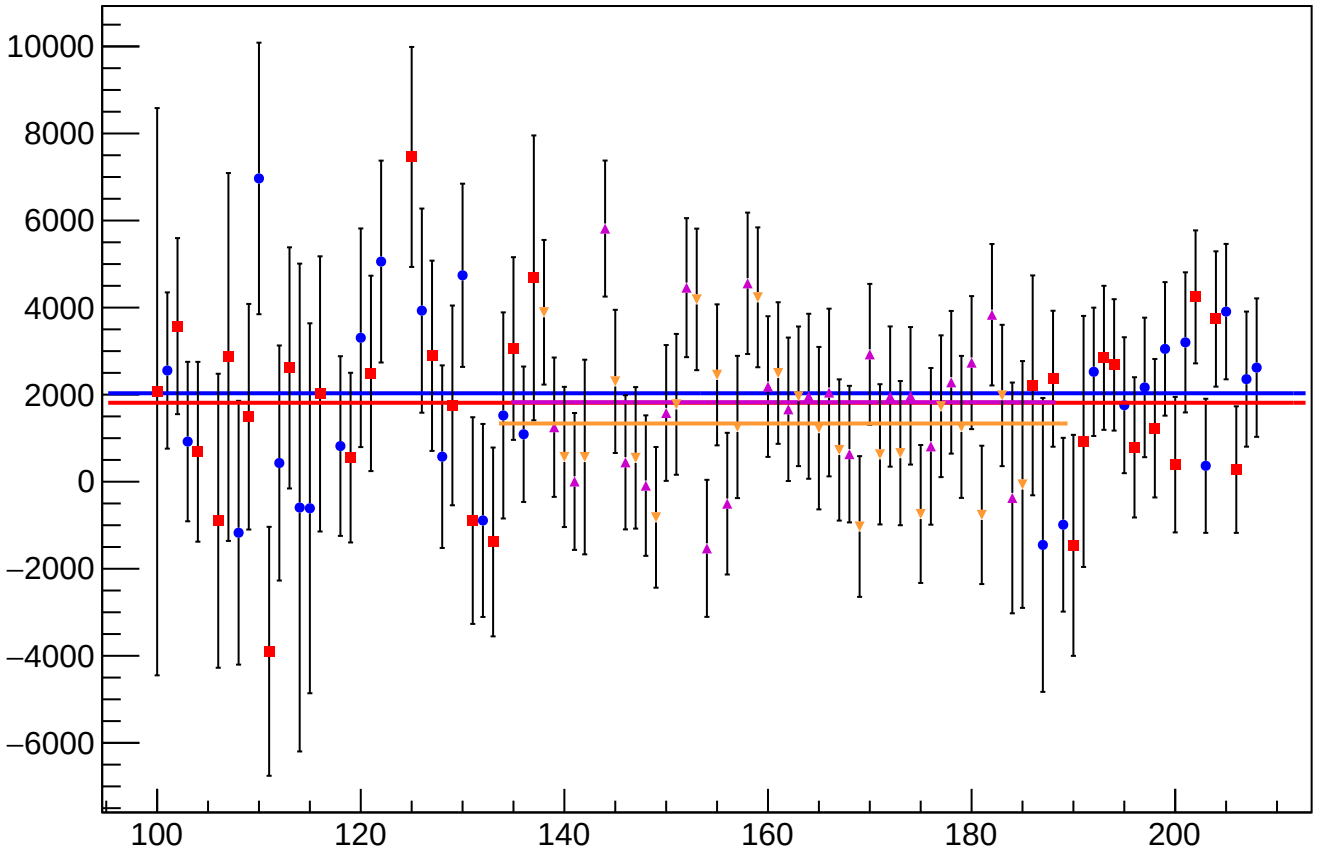
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 397.657+/-0.064 χ^2/NDF: 22108337.8/56

In: 687.535+/-0.091 χ^2/NDF:9922844.2/49

Out: 423.252+/-0.069 χ^2/NDF:29303678.4/53

All: 520.395+/-0.055 χ^2/NDF: 44551623.7/10



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1813.168+/-377.152 χ^2/NDF: 25.4/29

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

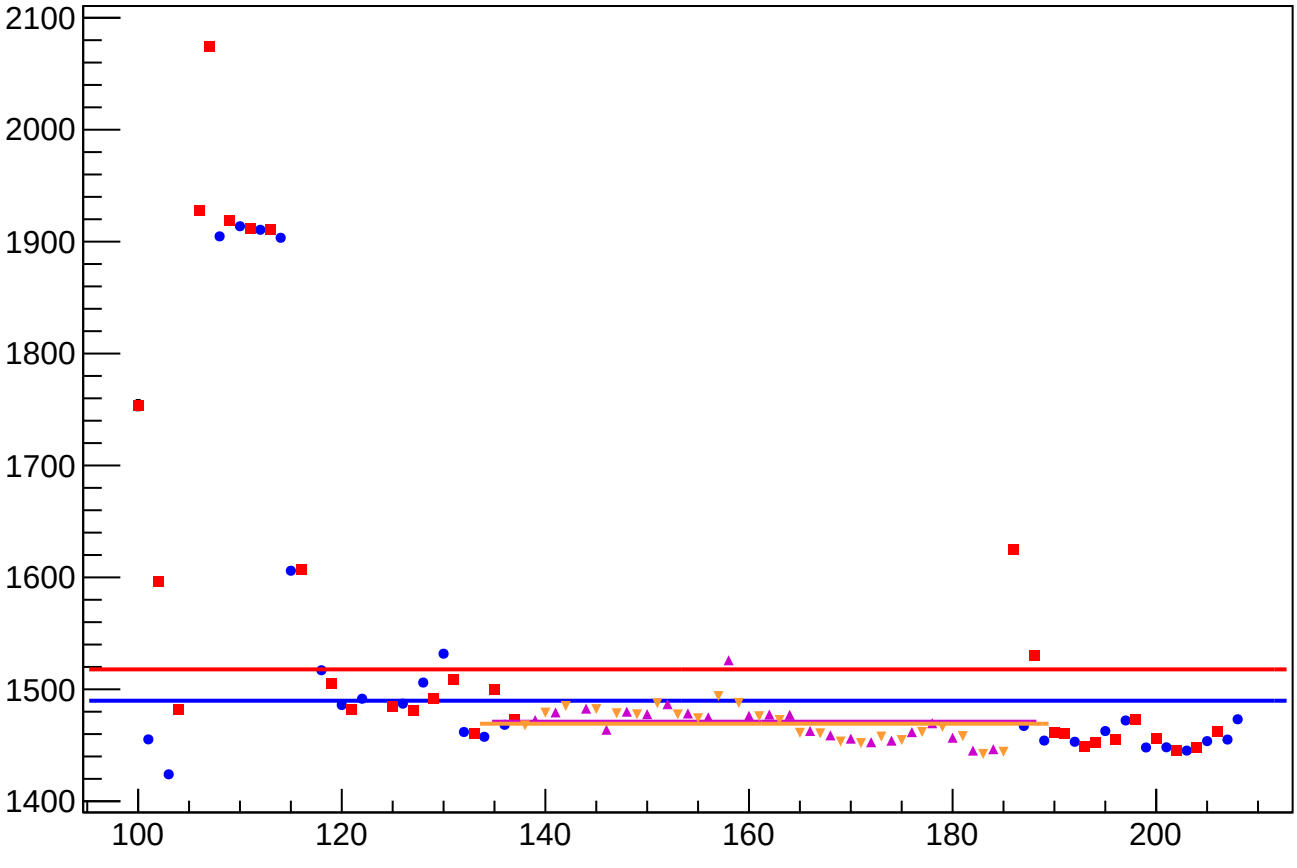
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1923.082+/-265.948 χ^2/NDF: 45.1/56

In: 1920.215+/-253.312 χ^2/NDF:46.2/49

Out: 1551.193+/-252.946 χ^2/NDF:45.5/53

All: 1735.437+/-178.989 χ^2/NDF: 92.7/103



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

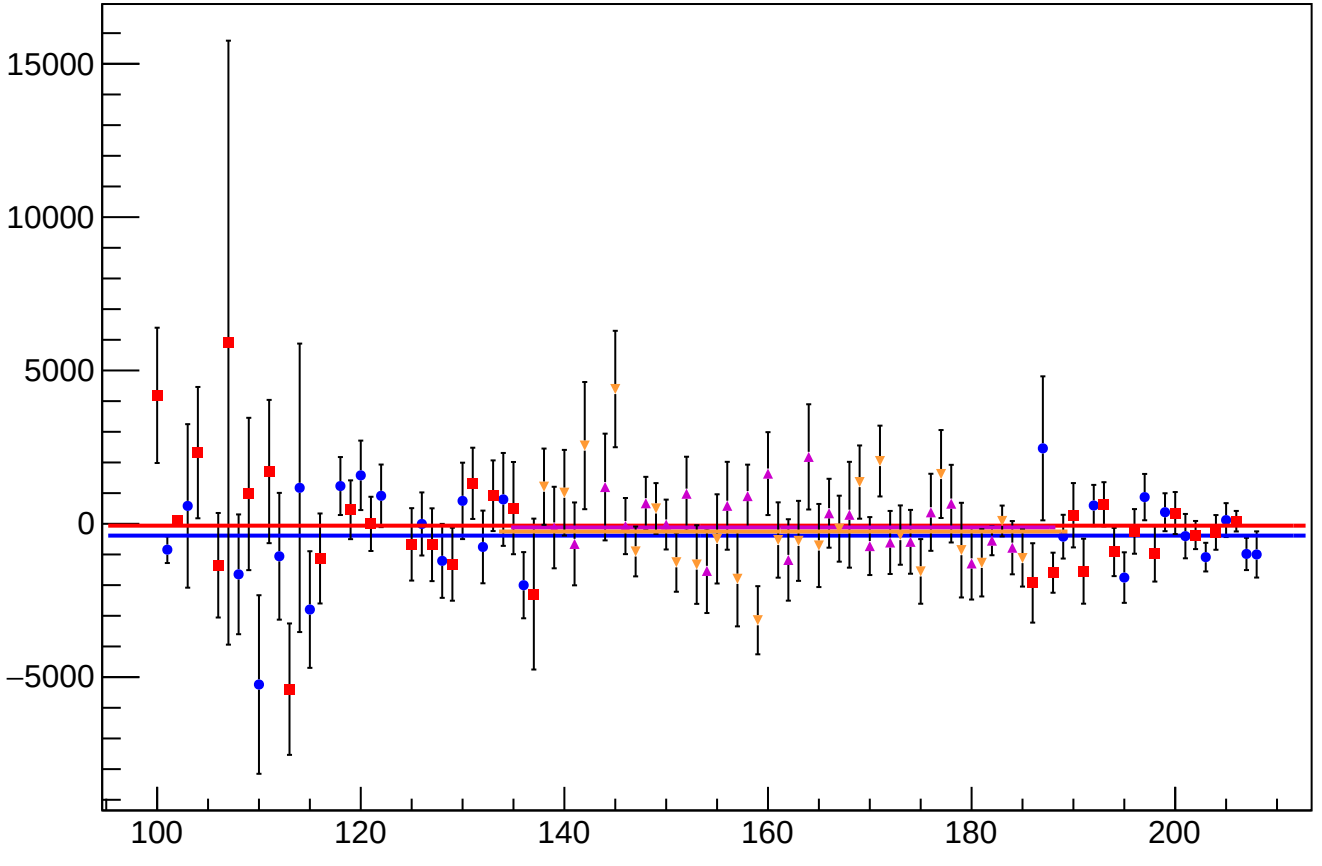
Right: 1503.735+/-0.188 χ^2/NDF: 390161.1/56

In: 1479.609+/-0.179 χ^2/NDF:158033.3/49

Out: 1491.104+/-0.179 χ^2/NDF:255334.4/53

All: 1485.365+/-0.127 χ^2/NDF: 415430.1/103

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -60.719+/-109.938 χ^2/NDF: 33.5/29

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

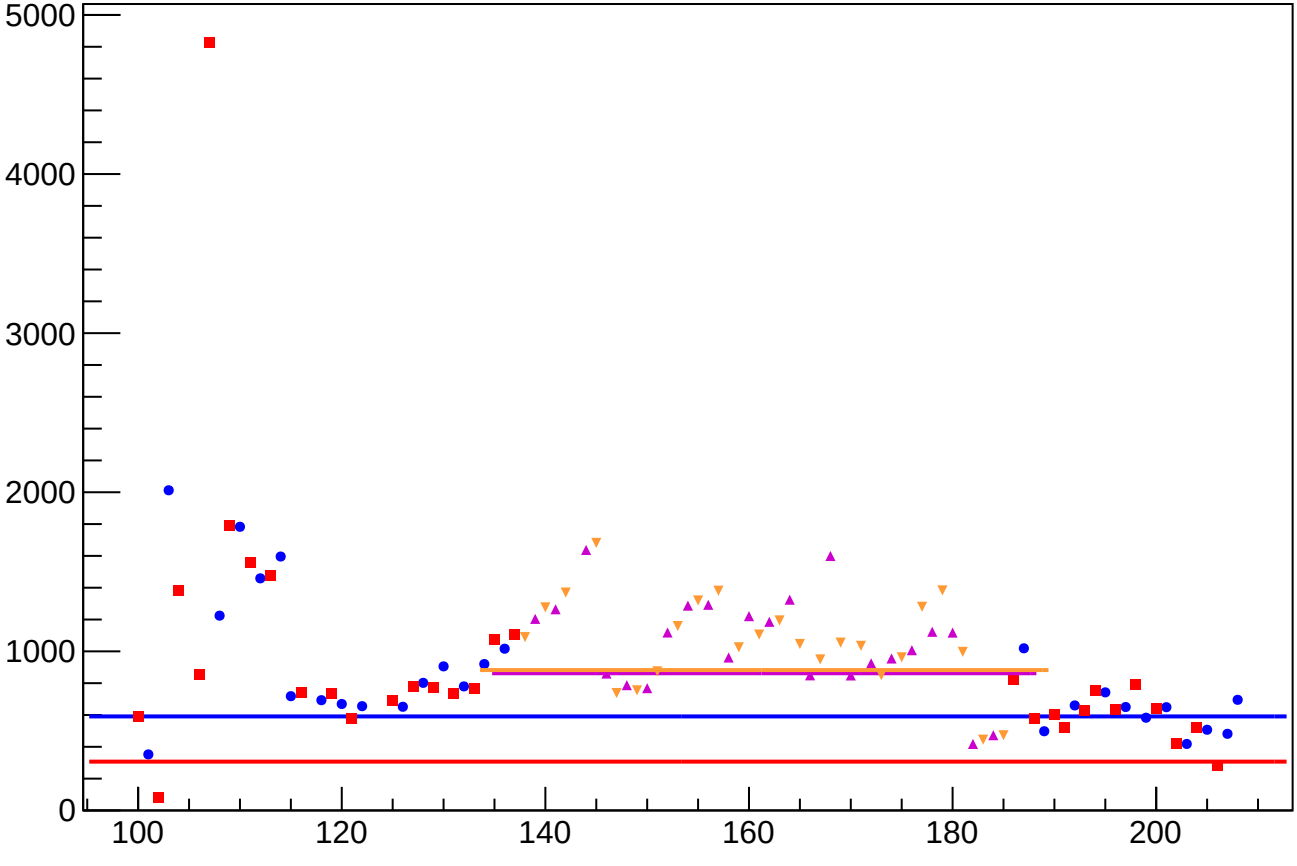
Right: -164.378+/-90.694 χ^2/NDF: 70.2/56

In: -290.825+/-128.803 χ^2/NDF:47.7/49

Out: -99.316+/-98.196 χ^2/NDF:66.8/53

All: -169.709+/-78.091 χ^2/NDF: 115.9/103

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

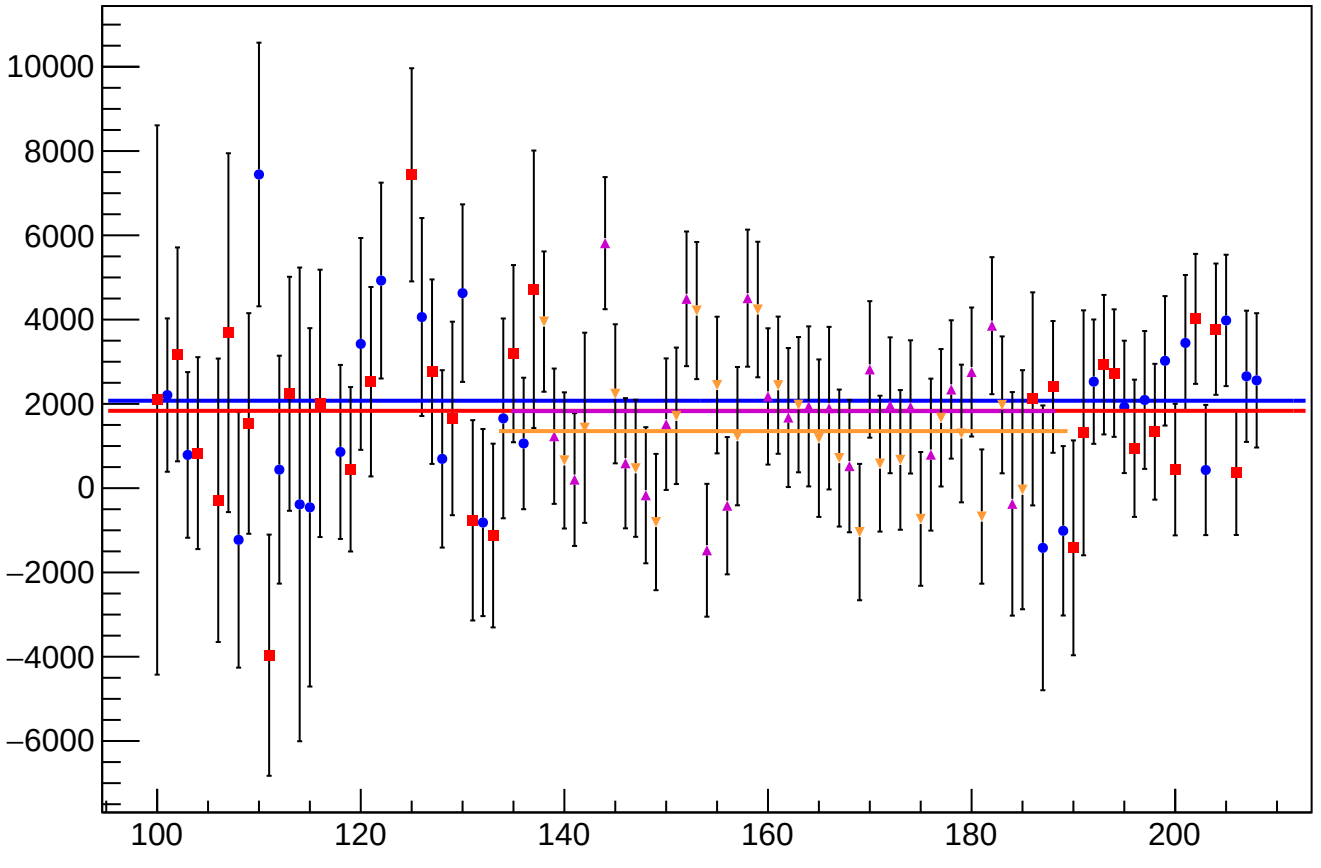
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 397.657+/-0.064 χ^2/NDF: 22108337.8/56

In: 687.535+/-0.091 χ^2/NDF:9922844.2/49

Out: 423.252+/-0.069 χ^2/NDF:29303678.4/53

All: 520.395+/-0.055 χ^2/NDF: 44551623.7/10



Right In: 2074.643+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1835.296+/-382.471 χ^2/NDF: 23.4/29

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

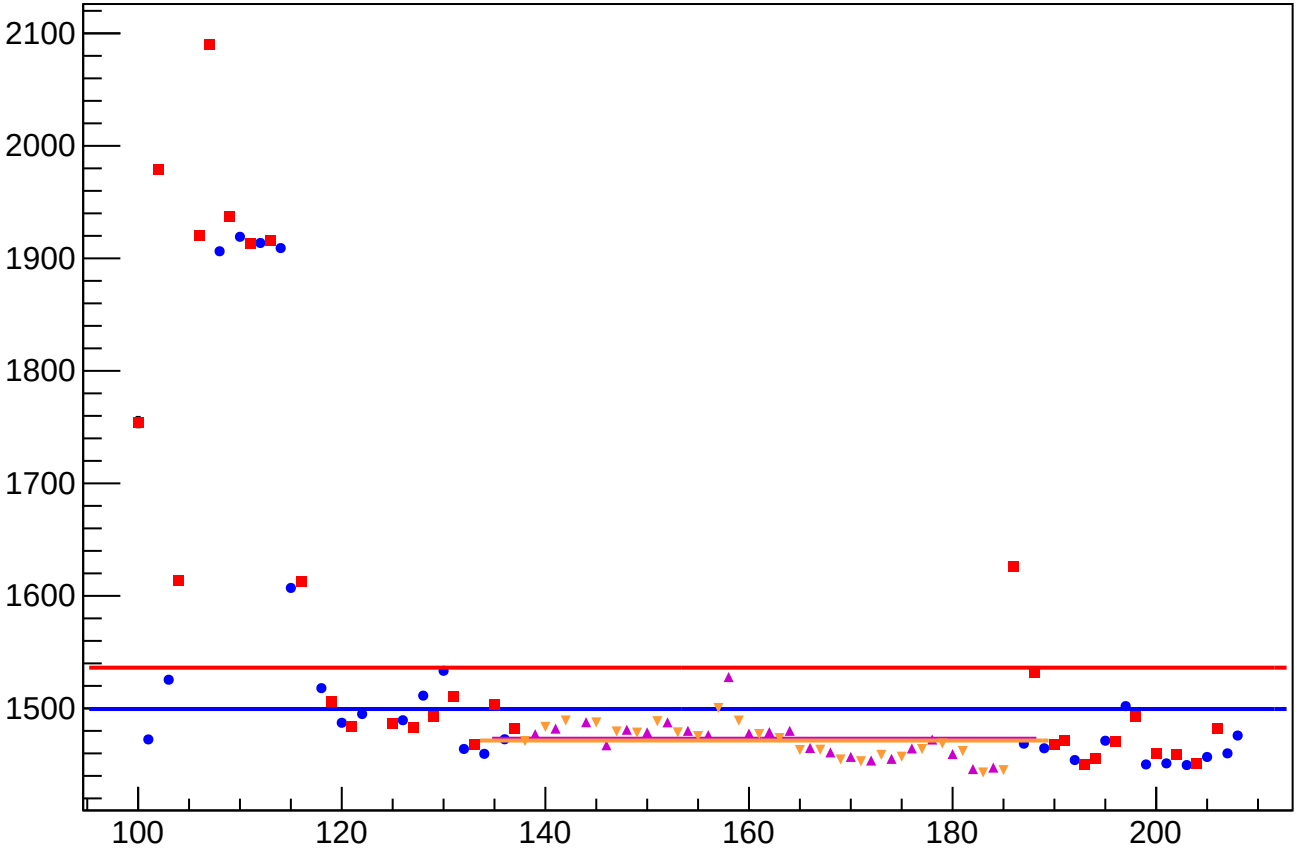
Right: 1956.518+/-268.692 χ^2/NDF: 43.5/56

In: 1939.996+/-254.262 χ^2/NDF:45.9/49

Out: 1567.371+/-254.764 χ^2/NDF:43.2/53

All: 1754.051+/-179.968 χ^2/NDF: 90.2/103

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.4/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.9/29

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

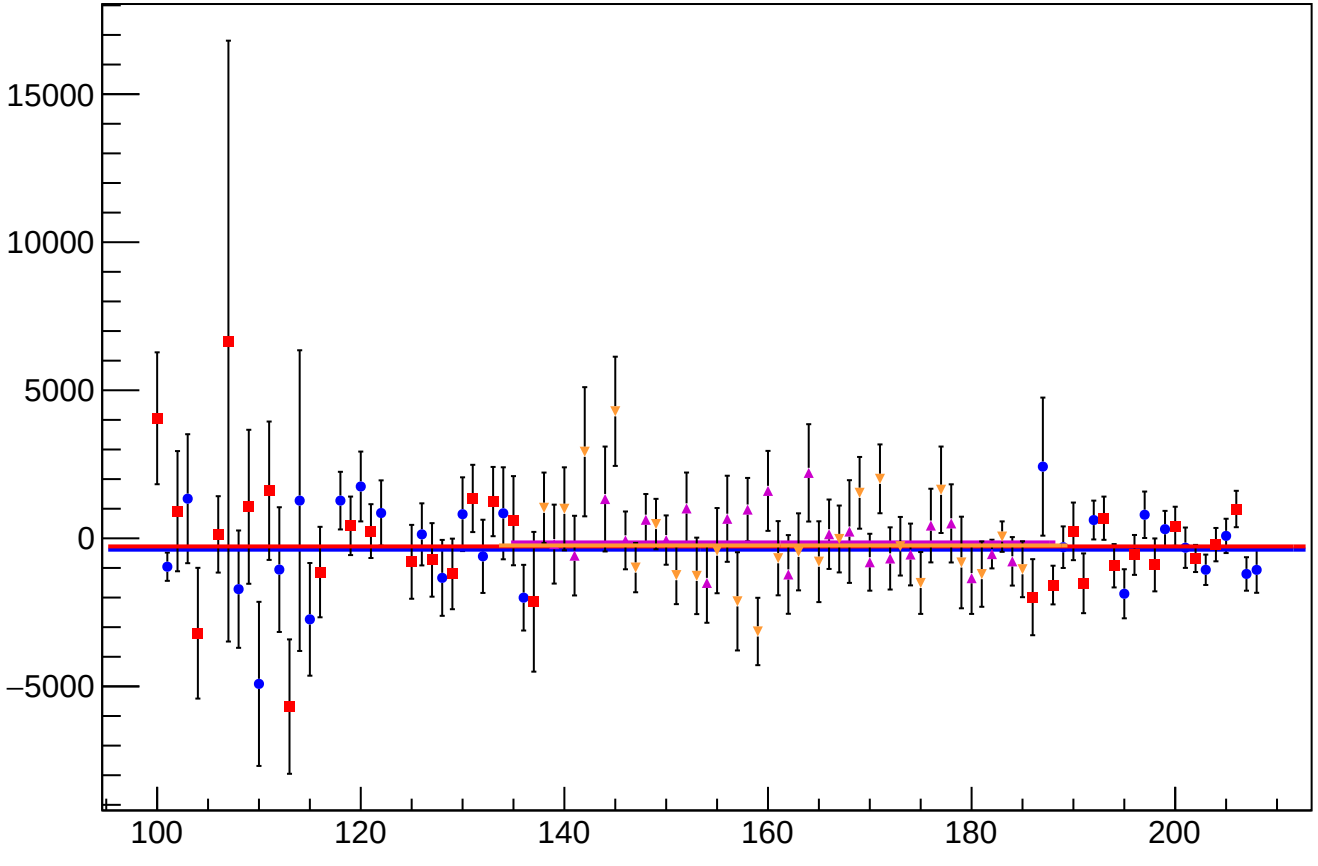
Right: 1517.590+/-0.190 χ^2/NDF: 448329.2/56

In: 1485.022+/-0.180 χ^2/NDF:156684.3/49

Out: 1500.175+/-0.180 χ^2/NDF:327728.9/53

All: 1492.583+/-0.127 χ^2/NDF: 487958.0/103

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -273.483+/-172.474 χ^2/NDF: 36.6/29

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

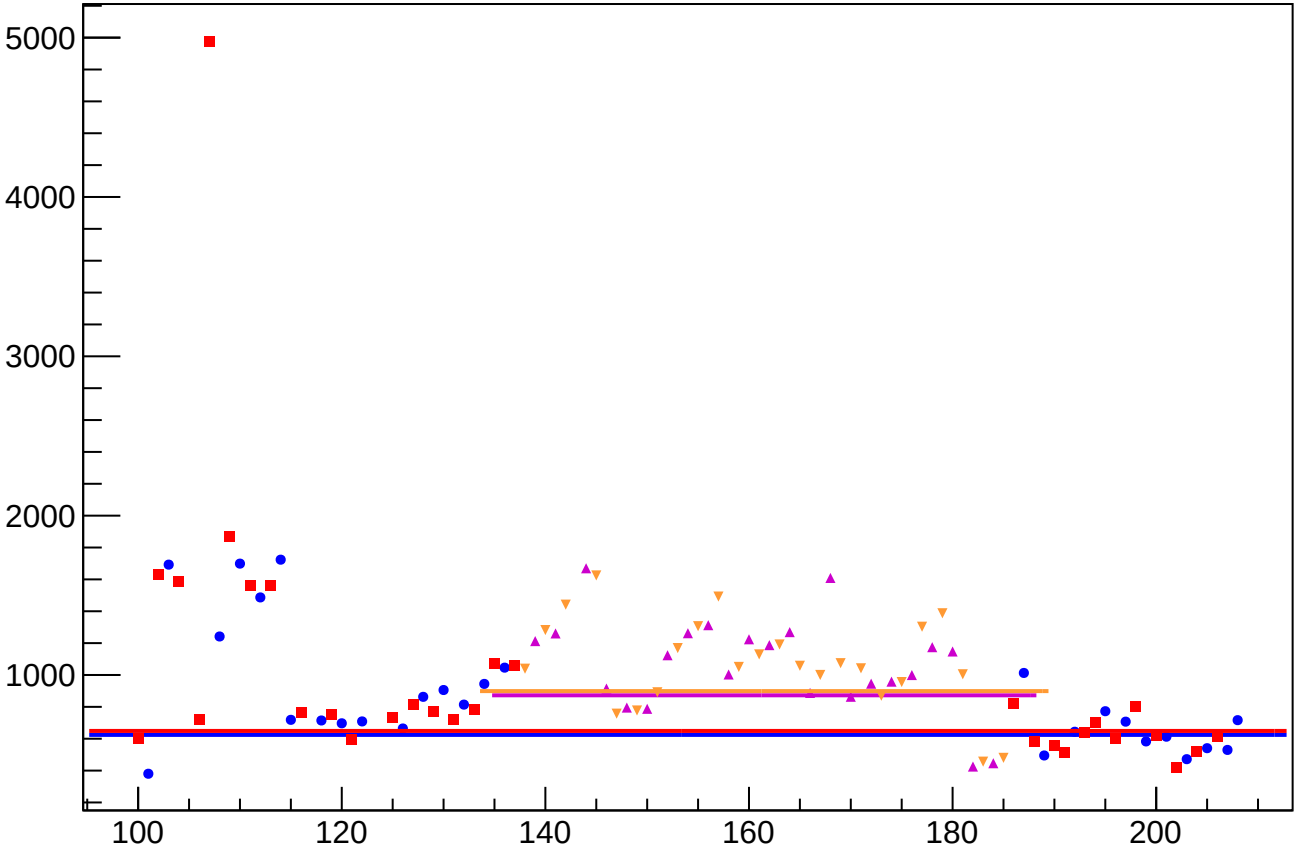
Right: -330.238+/-119.725 χ^2/NDF: 71.5/56

In: -293.271+/-132.341 χ^2/NDF:48.5/49

Out: -260.966+/-136.151 χ^2/NDF:69.1/53

All: -277.577+/-94.897 χ^2/NDF: 117.6/103

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 624.073+/-0.118 χ^2/NDF: 3090415.9/26

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 648.918+/-0.122 χ^2/NDF: 3455028.8/29

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

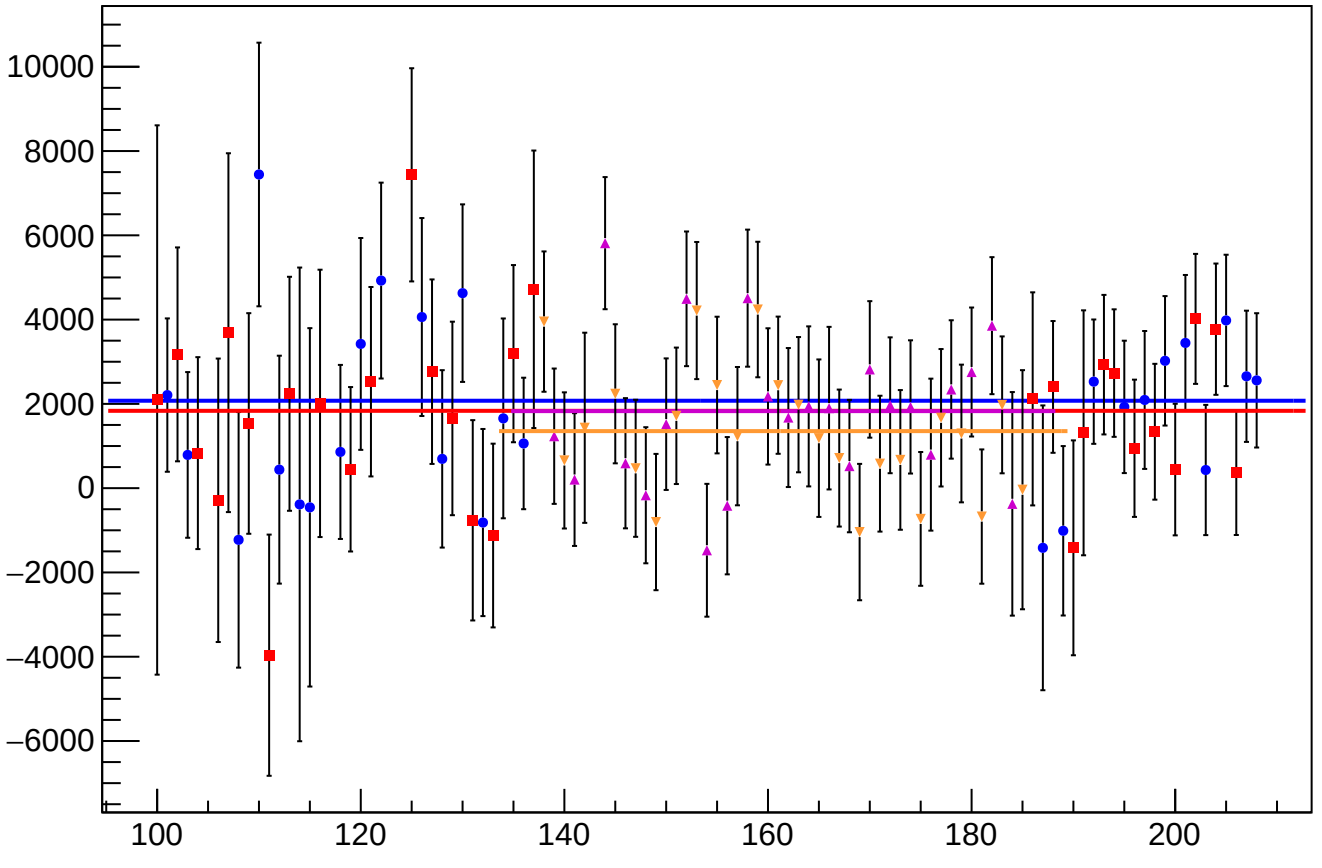
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 636.045+/-0.085 χ^2/NDF: 6566947.9/56

In: 715.216+/-0.094 χ^2/NDF:9162647.1/49

Out: 743.104+/-0.096 χ^2/NDF:8829219.6/53

All: 728.764+/-0.067 χ^2/NDF: 18035015.5/10



Right In: 2074.641+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1835.295+/-382.471 χ^2/NDF: 23.4/29

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

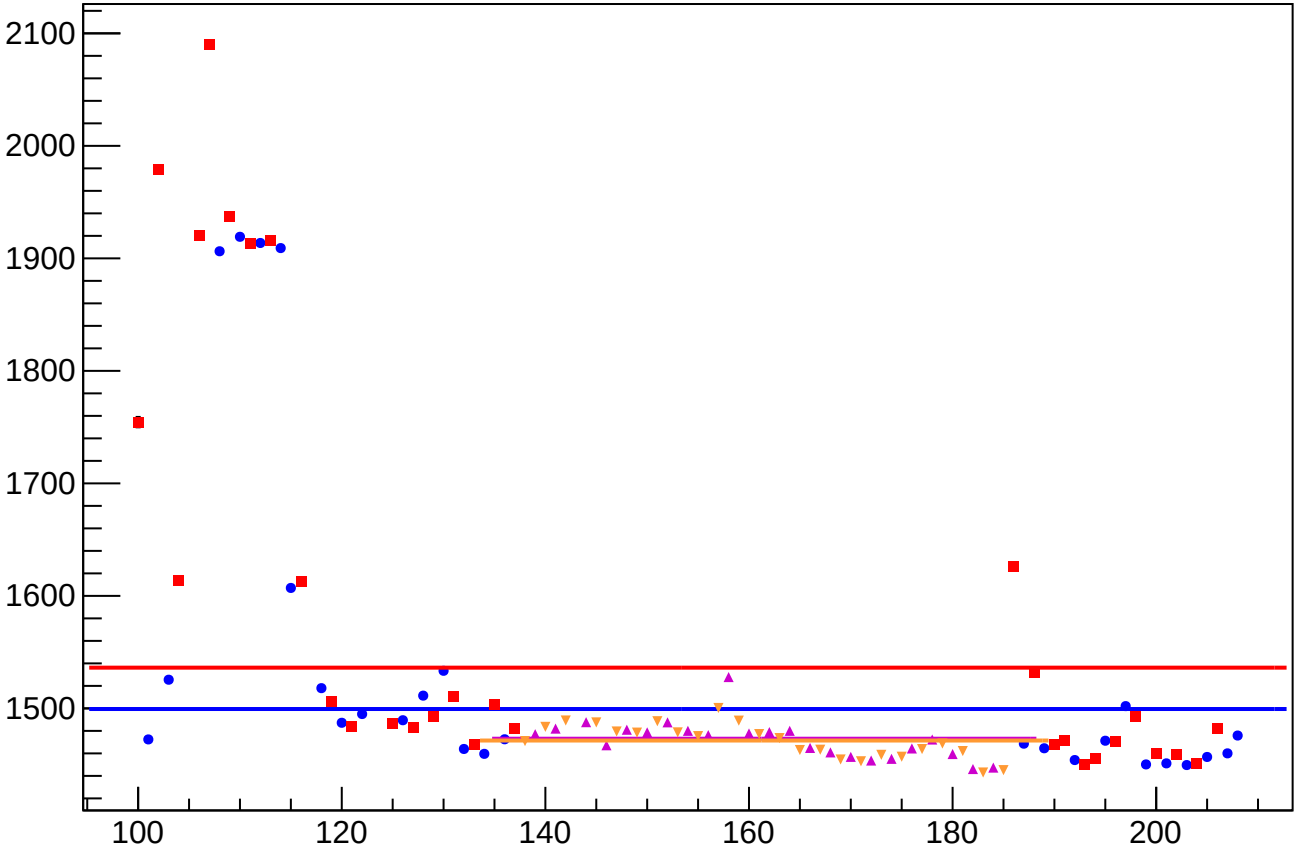
Right: 1956.517+/-268.692 χ^2/NDF: 43.5/56

In: 1939.996+/-254.262 χ^2/NDF:45.9/49

Out: 1567.370+/-254.764 χ^2/NDF:43.2/53

All: 1754.050+/-179.968 χ^2/NDF: 90.2/103

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.3/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.4/29

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

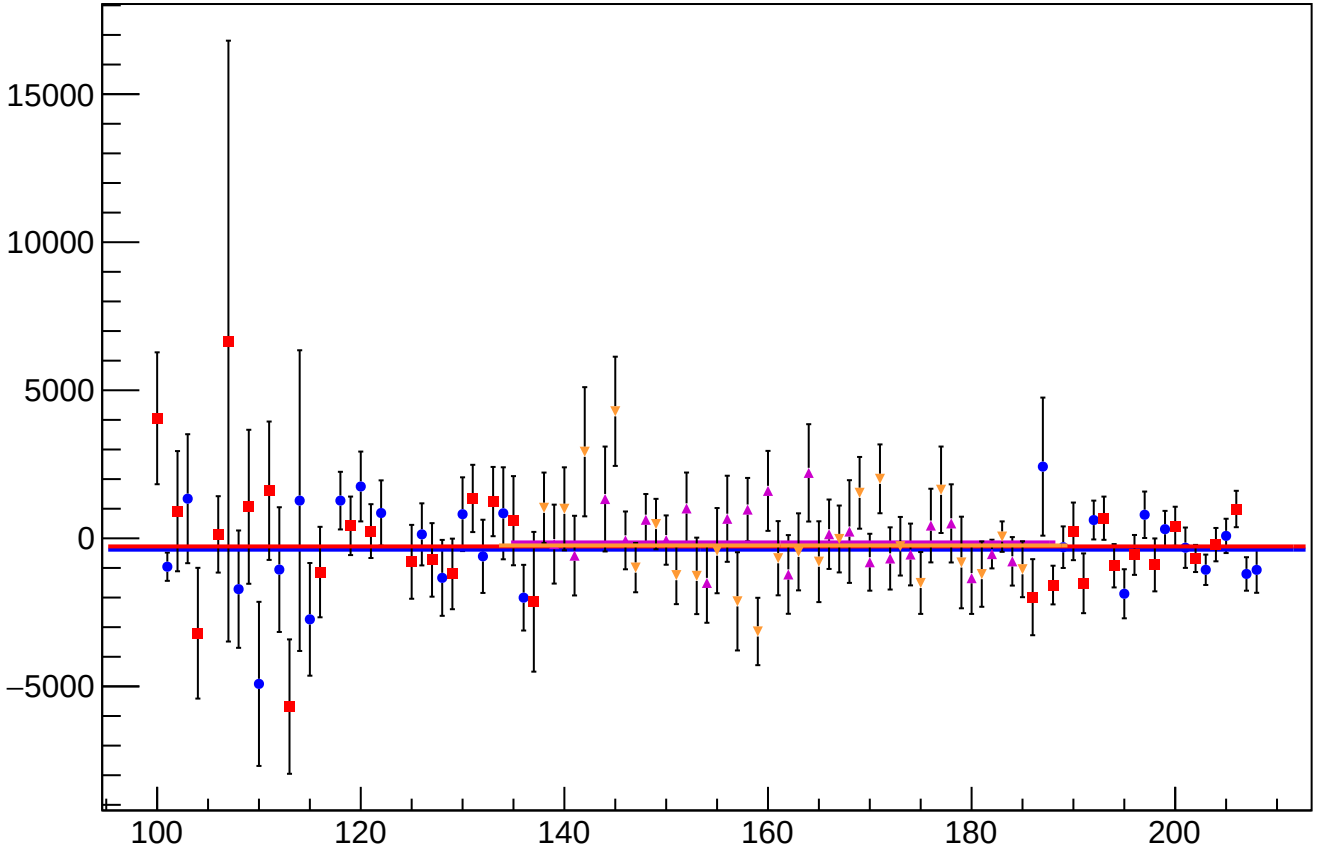
Right: 1517.590+/-0.190 χ^2/NDF: 448328.6/56

In: 1485.022+/-0.180 χ^2/NDF:156684.2/49

Out: 1500.175+/-0.180 χ^2/NDF:327728.3/53

All: 1492.583+/-0.127 χ^2/NDF: 487957.3/103

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -273.483+/-172.474 χ^2/NDF: 36.6/29

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

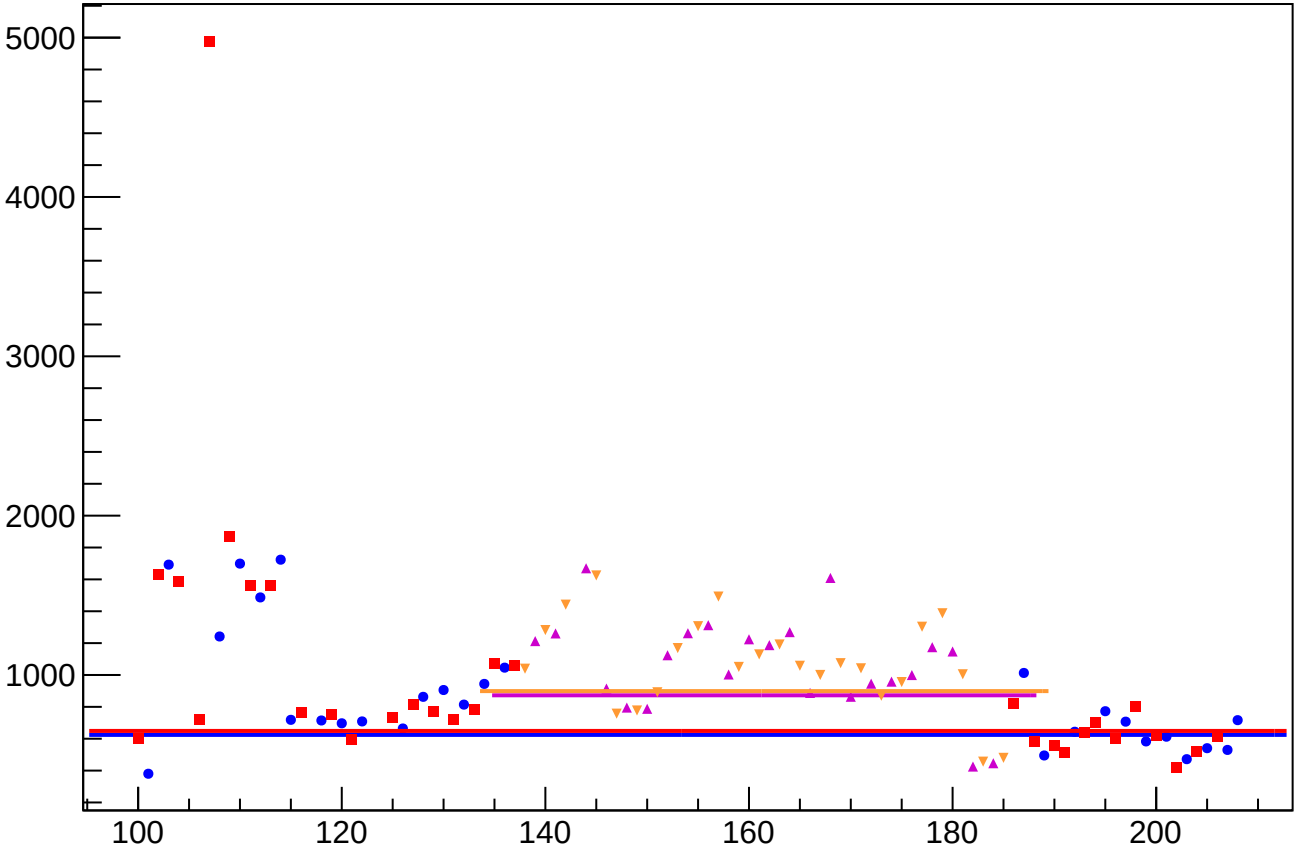
Right: -330.238+/-119.725 χ^2/NDF: 71.5/56

In: -293.271+/-132.341 χ^2/NDF:48.5/49

Out: -260.966+/-136.151 χ^2/NDF:69.1/53

All: -277.577+/-94.897 χ^2/NDF: 117.6/103

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 624.074+/-0.118 χ^2/NDF: 3090410.1/26

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 648.919+/-0.122 χ^2/NDF: 3455024.9/29

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

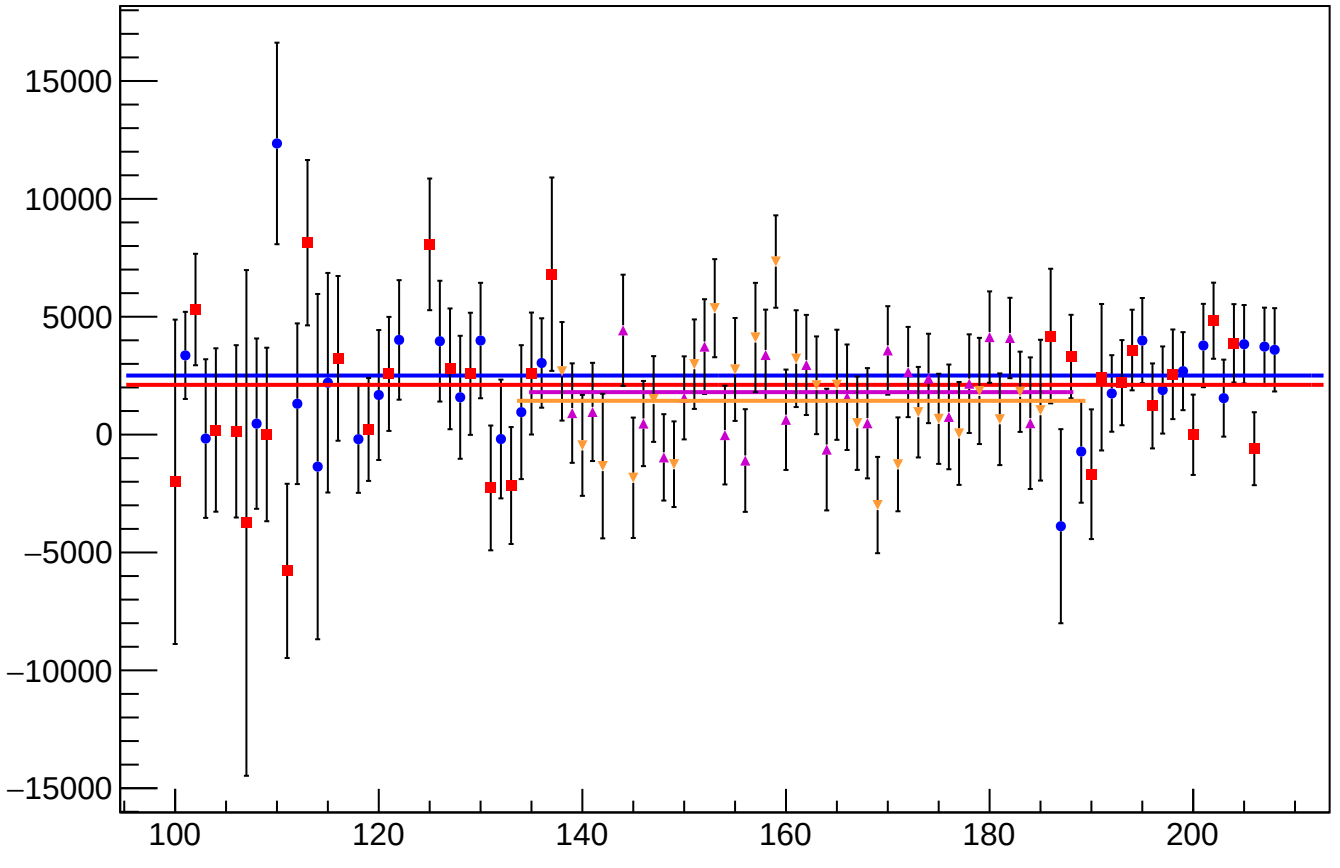
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 636.046+/-0.085 χ^2/NDF: 6566938.0/56

In: 715.216+/-0.094 χ^2/NDF:9162652.8/49

Out: 743.105+/-0.096 χ^2/NDF:8829228.7/53

All: 728.765+/-0.067 χ^2/NDF: 18035030.1/10



Right In: 2505.248+/-425.325 χ^2/NDF: 19.1/26

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2110.447+/-429.550 χ^2/NDF: 36.0/29

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

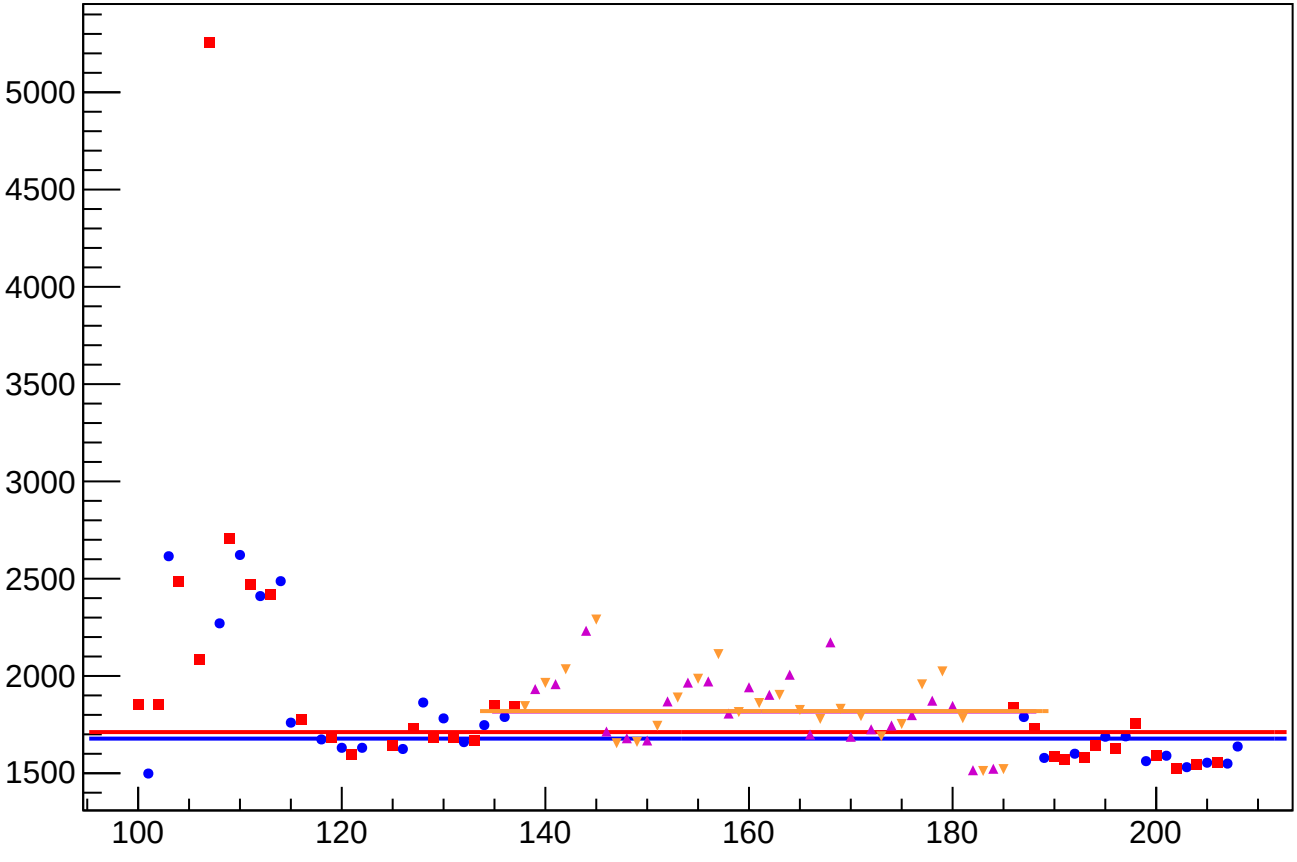
Right: 2309.799+/-302.233 χ^2/NDF: 55.6/56

In: 2154.352+/-301.159 χ^2/NDF:35.8/49

Out: 1767.849+/-301.924 χ^2/NDF:66.7/53

All: 1961.591+/-213.221 χ^2/NDF: 103.3/103

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1677.996+/-0.301 χ^2/NDF: 532413.1/26

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1711.567+/-0.304 χ^2/NDF: 782758.6/29

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

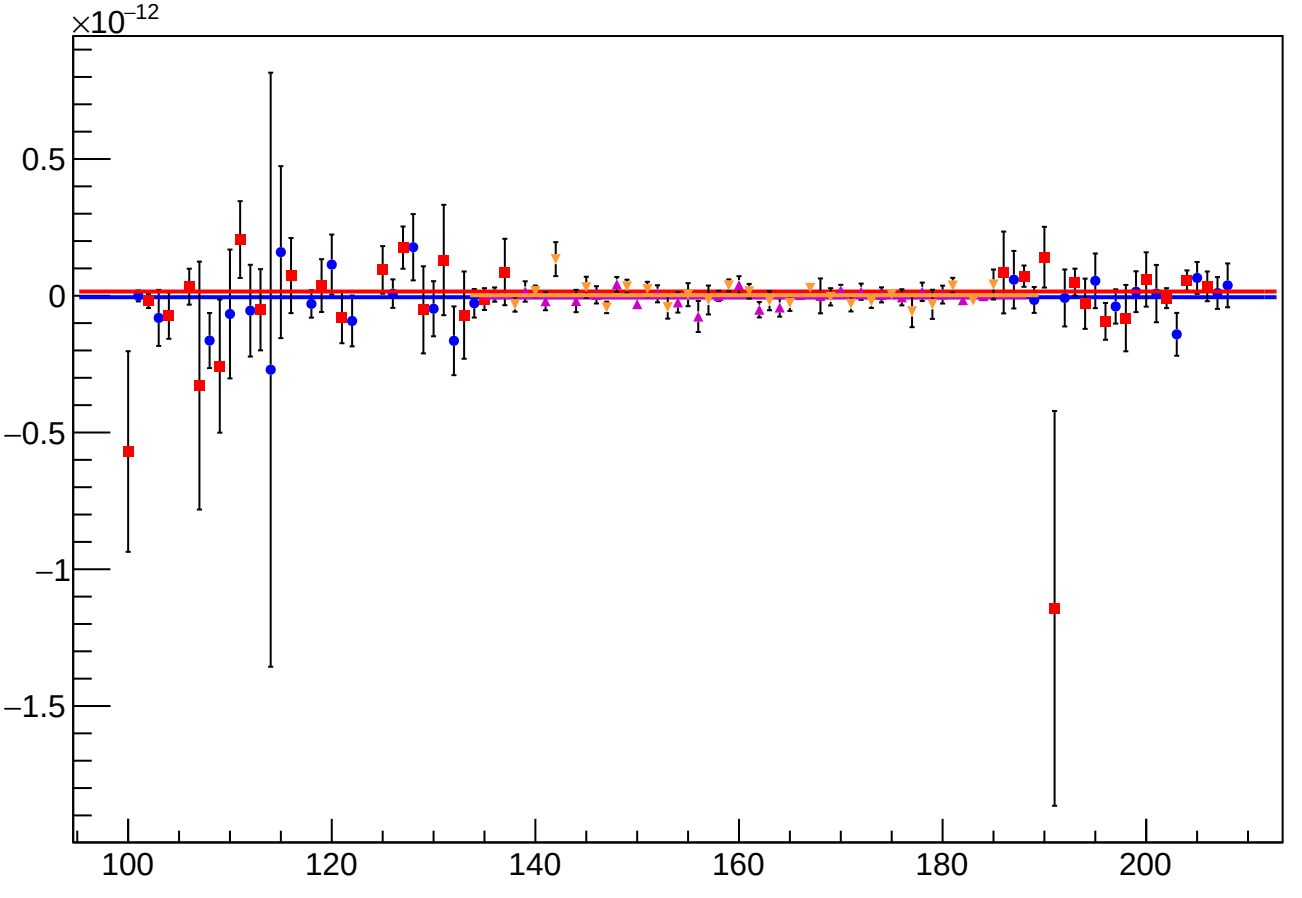
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1694.616+/-0.214 χ^2/NDF: 1321340.3/56

In: 1747.380+/-0.213 χ^2/NDF:946253.5/49

Out: 1766.134+/-0.213 χ^2/NDF:1141564.1/53

All: 1756.733+/-0.151 χ^2/NDF: 2091686.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/29

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

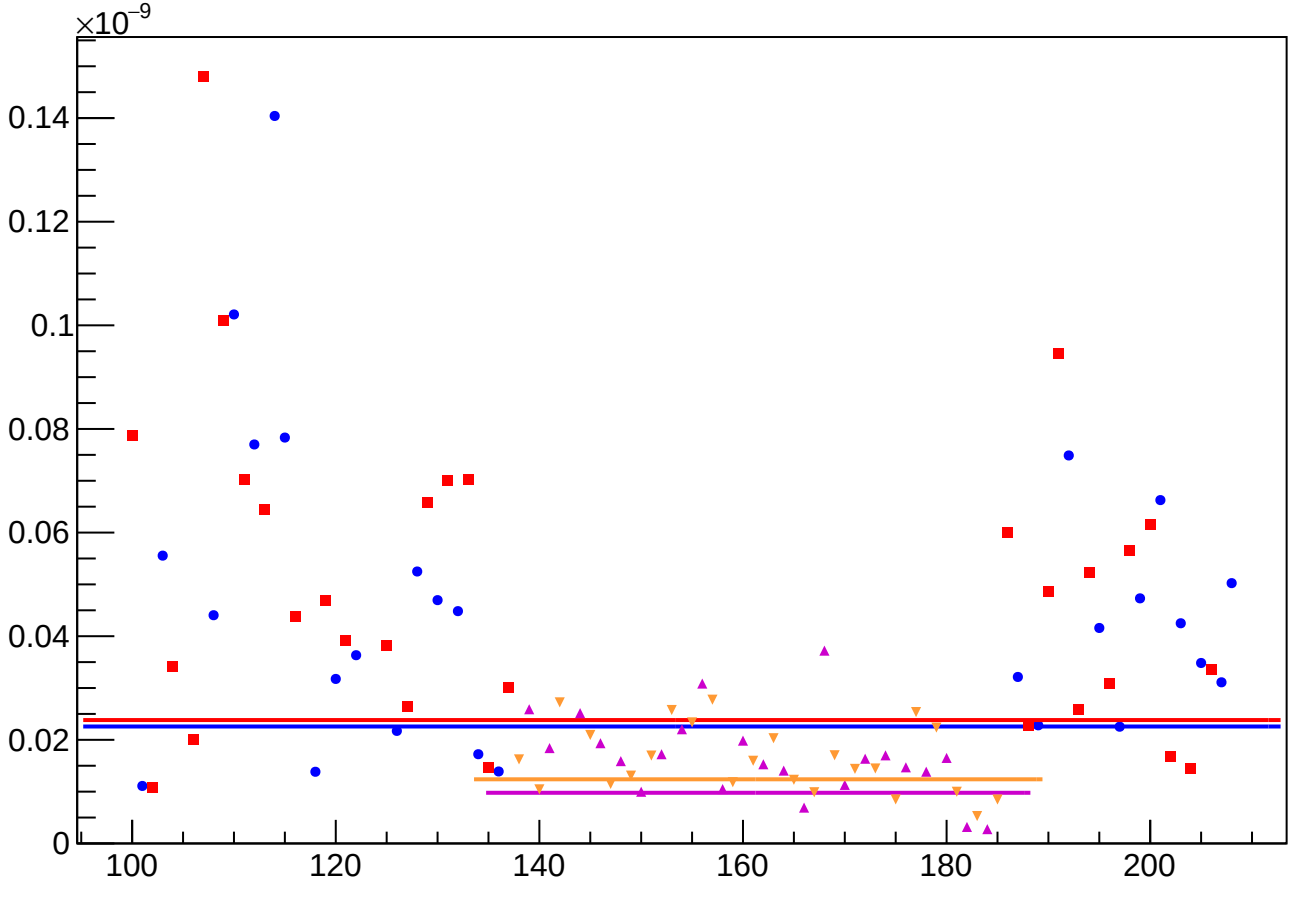
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.3/56

In: -0.000+/-0.000 χ^2/NDF:34.2/49

Out: 0.000+/-0.000 χ^2/NDF:59.9/53

All: -0.000+/-0.000 χ^2/NDF: 96.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 3805933.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3279109.1/29

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

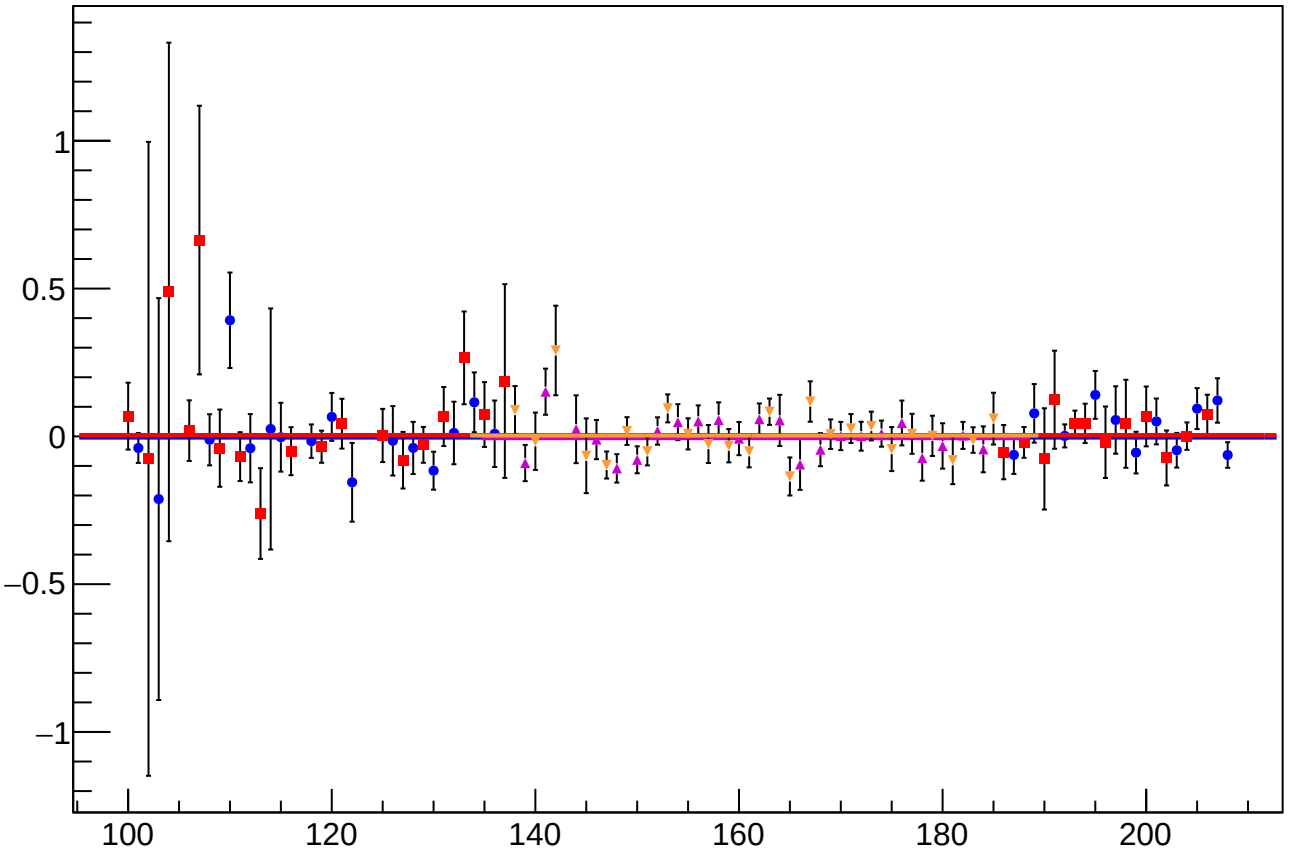
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 7096503.3/56

In: 0.000+/-0.000 χ^2/NDF:10530687.1/49

Out: 0.000+/-0.000 χ^2/NDF:6696707.4/53

All: 0.000+/-0.000 χ^2/NDF: 17548821.4/103



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

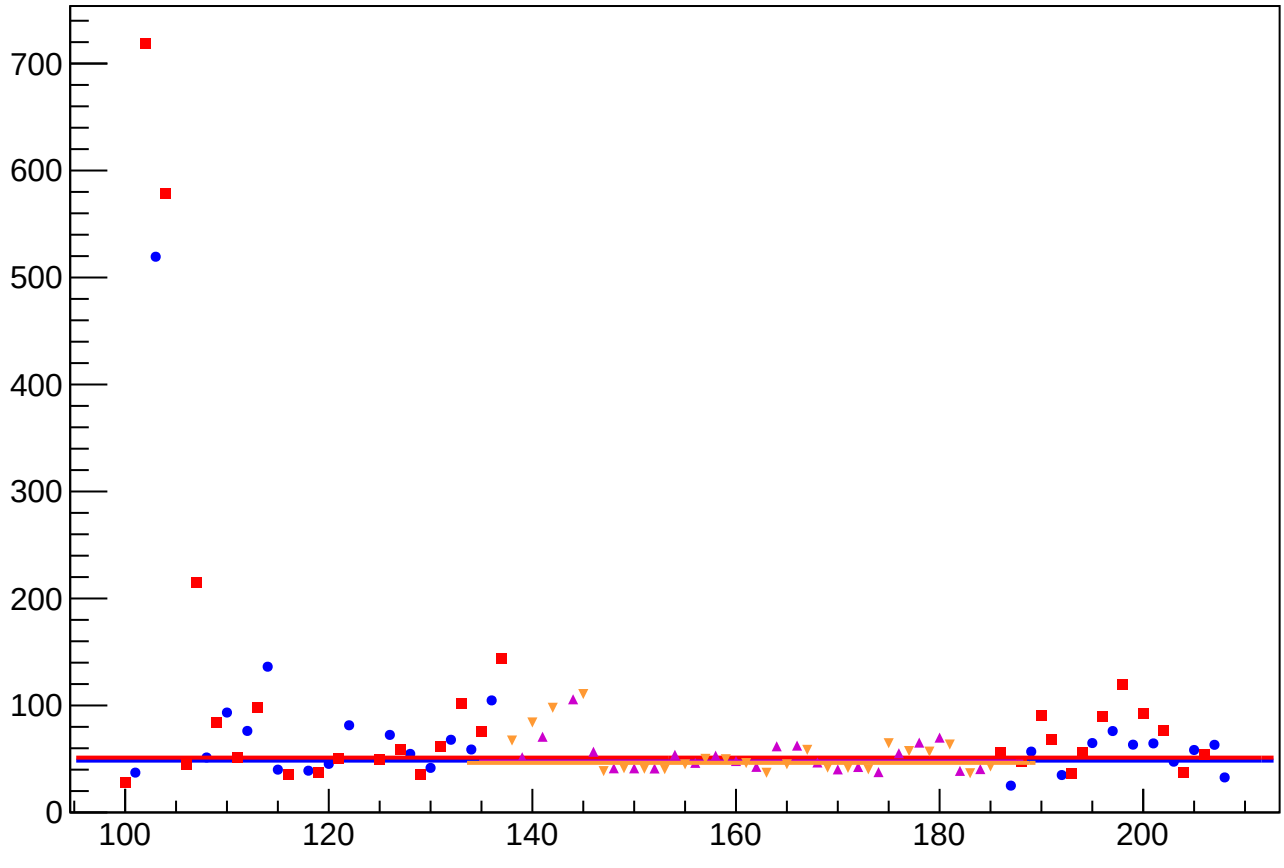
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.000+/-0.011 χ^2/NDF: 44.3/56

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 96.1/103



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

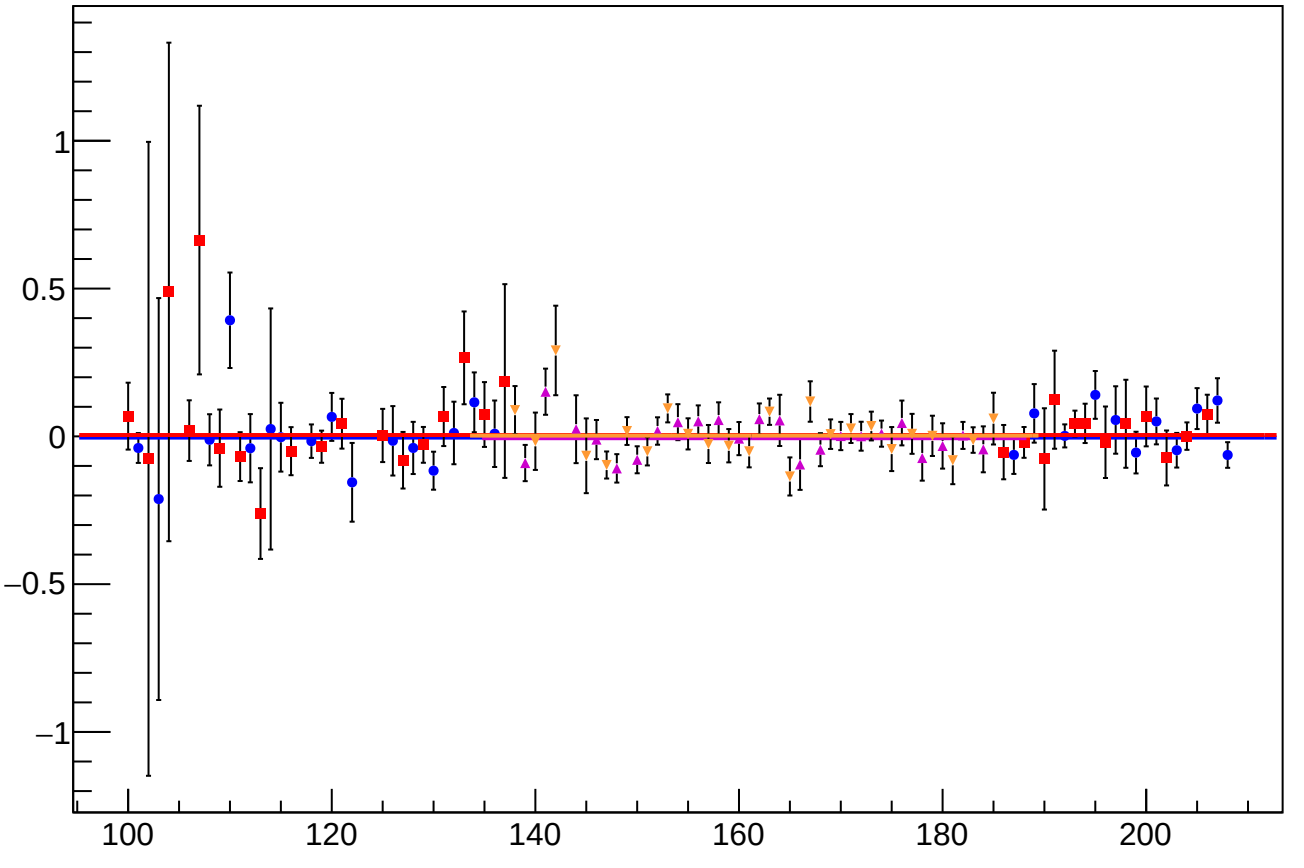
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.749+/-0.008 χ^2/NDF: 8364781.1/56

In: 47.934+/-0.007 χ^2/NDF:5176990.3/49

Out: 48.157+/-0.007 χ^2/NDF:6826128.7/53

All: 48.043+/-0.005 χ^2/NDF: 12003682.7/103



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

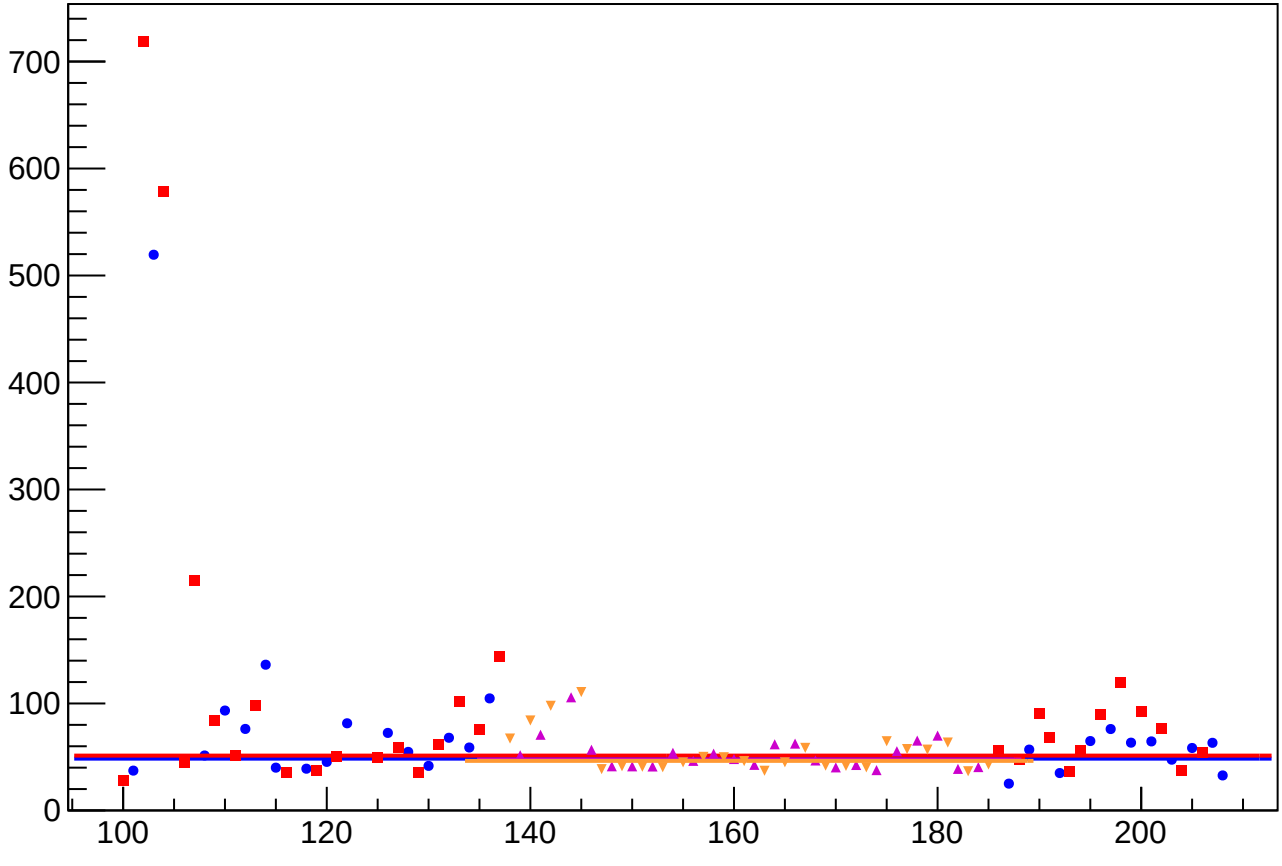
Right: -0.000+/-0.011 χ^2/NDF: 44.3/56

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 96.1/103

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

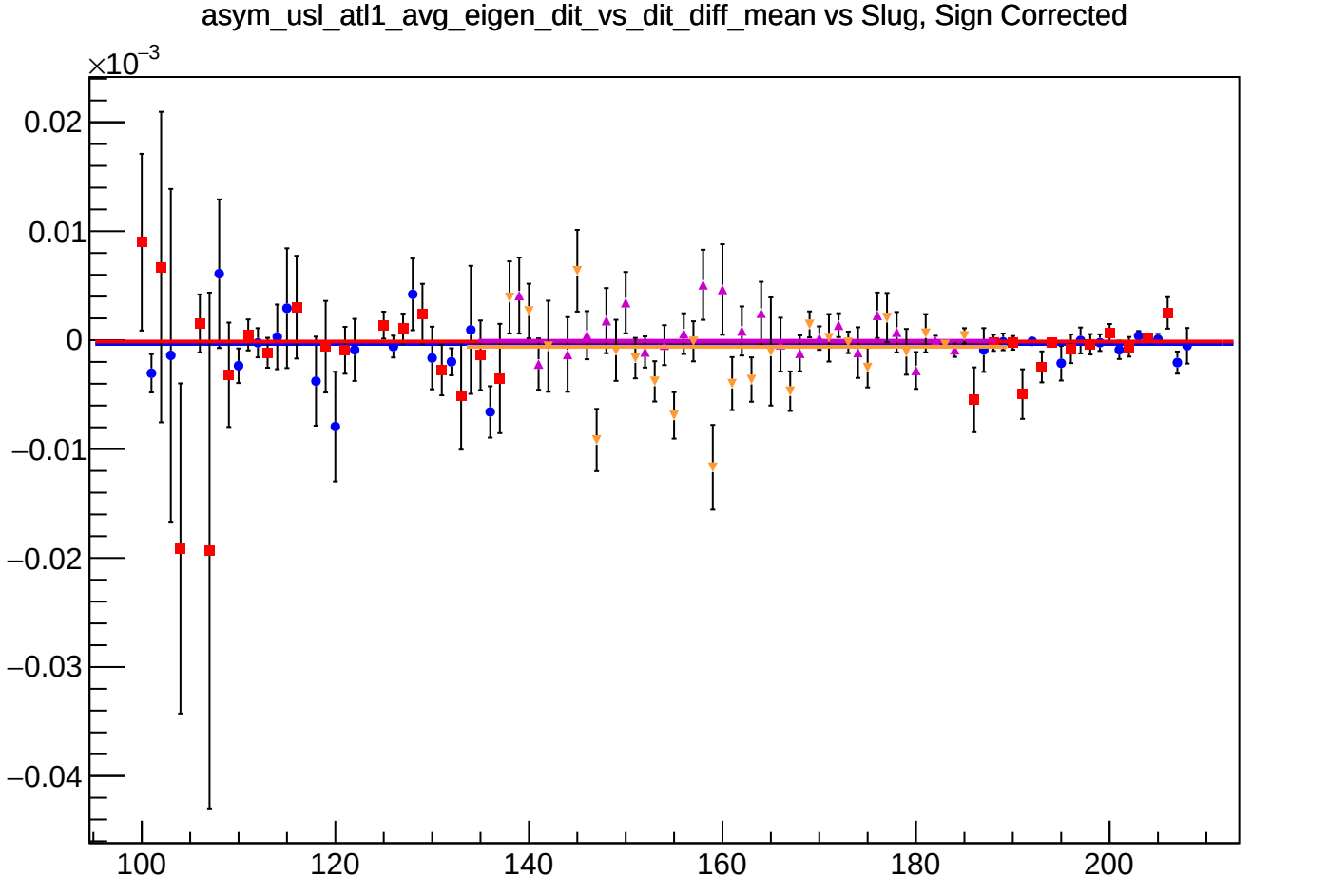
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

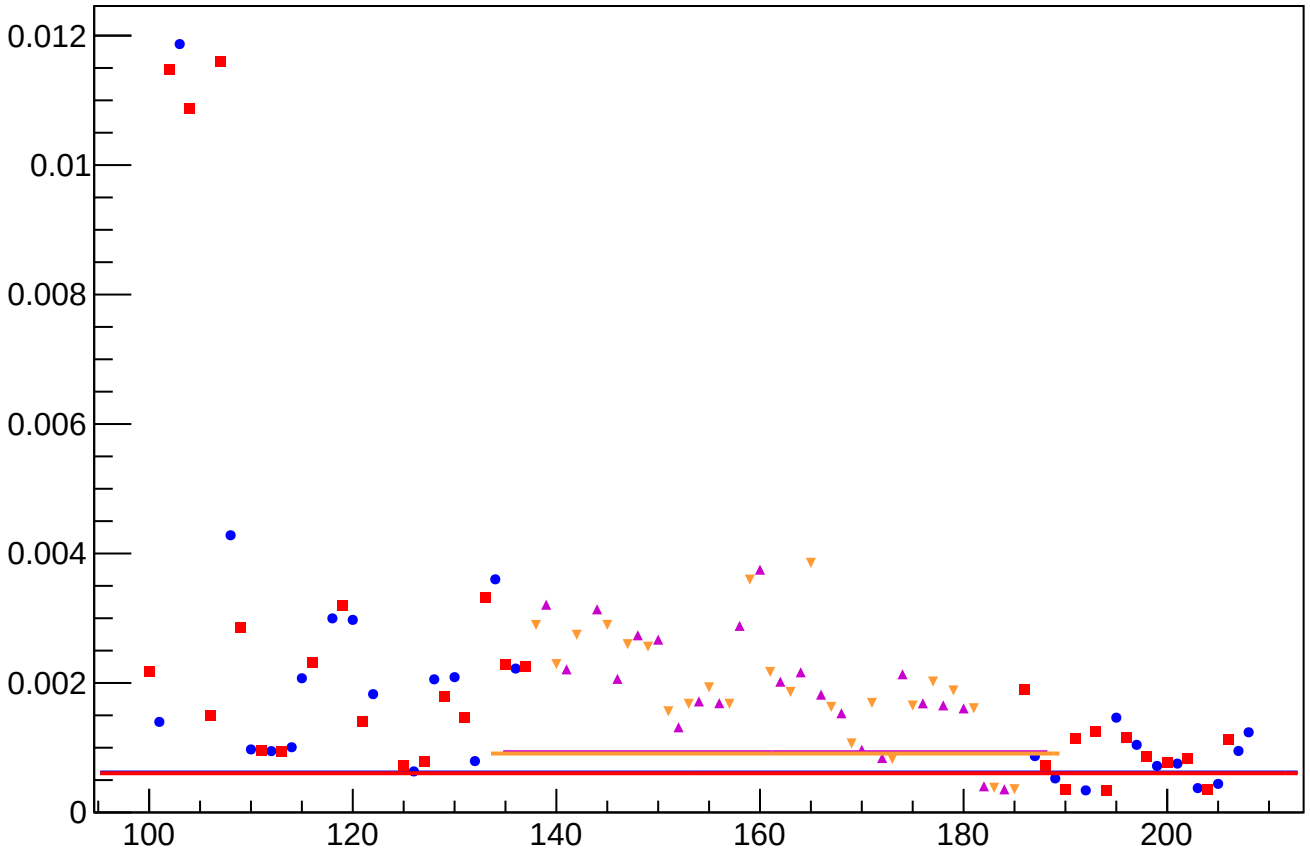
Right: 49.749+/-0.008 χ^2/NDF: 8364781.1/56

In: 47.934+/-0.007 χ^2/NDF:5176990.3/49

Out: 48.157+/-0.007 χ^2/NDF:6826128.7/53

All: 48.043+/-0.005 χ^2/NDF: 12003682.7/103


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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/26
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/29
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: 56.2/56
In: -0.000+/-0.000 χ²/NDF:46.2/49
Out: -0.000+/-0.000 χ²/NDF:84.0/53
All: -0.000+/-0.000 χ²/NDF: 130.2/103



Right In: 0.001+/-0.000 χ^2/NDF: 9508335.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10917287.8/29

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

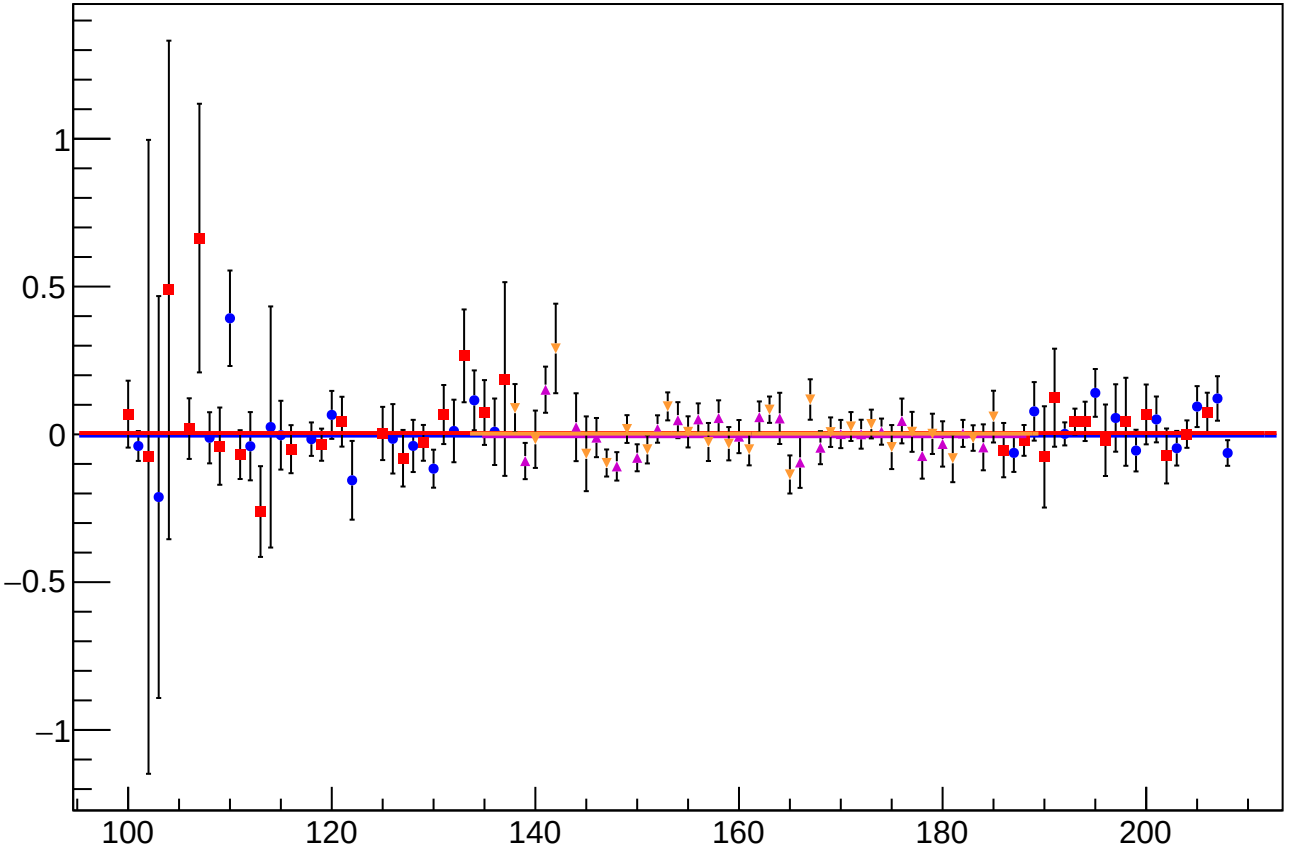
Right: 0.001+/-0.000 χ^2/NDF: 20428789.5/56

In: 0.001+/-0.000 χ^2/NDF:24868348.1/49

Out: 0.001+/-0.000 χ^2/NDF:26664524.5/53

All: 0.001+/-0.000 χ^2/NDF: 51539947.5/103

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

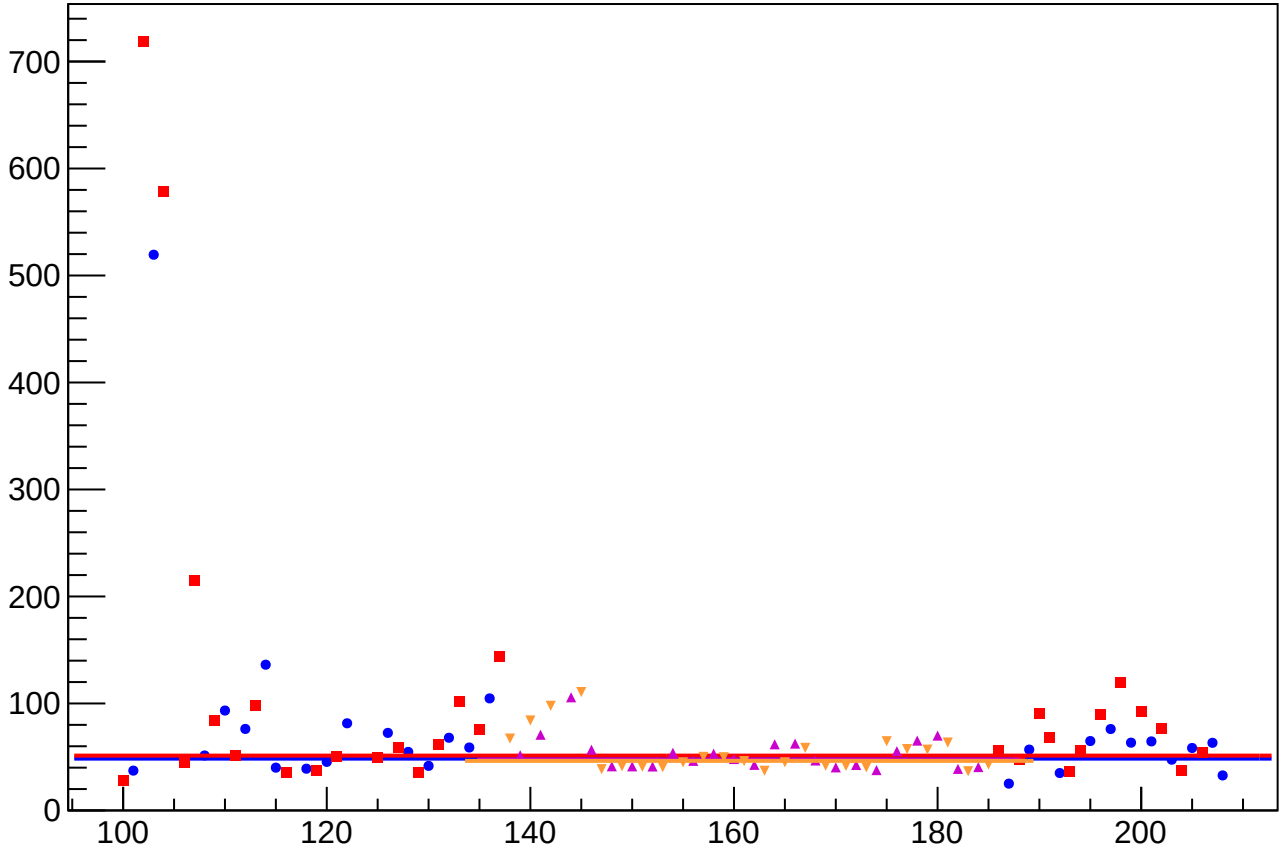
Right: -0.000+/-0.011 χ^2/NDF: 44.3/56

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 96.1/103

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

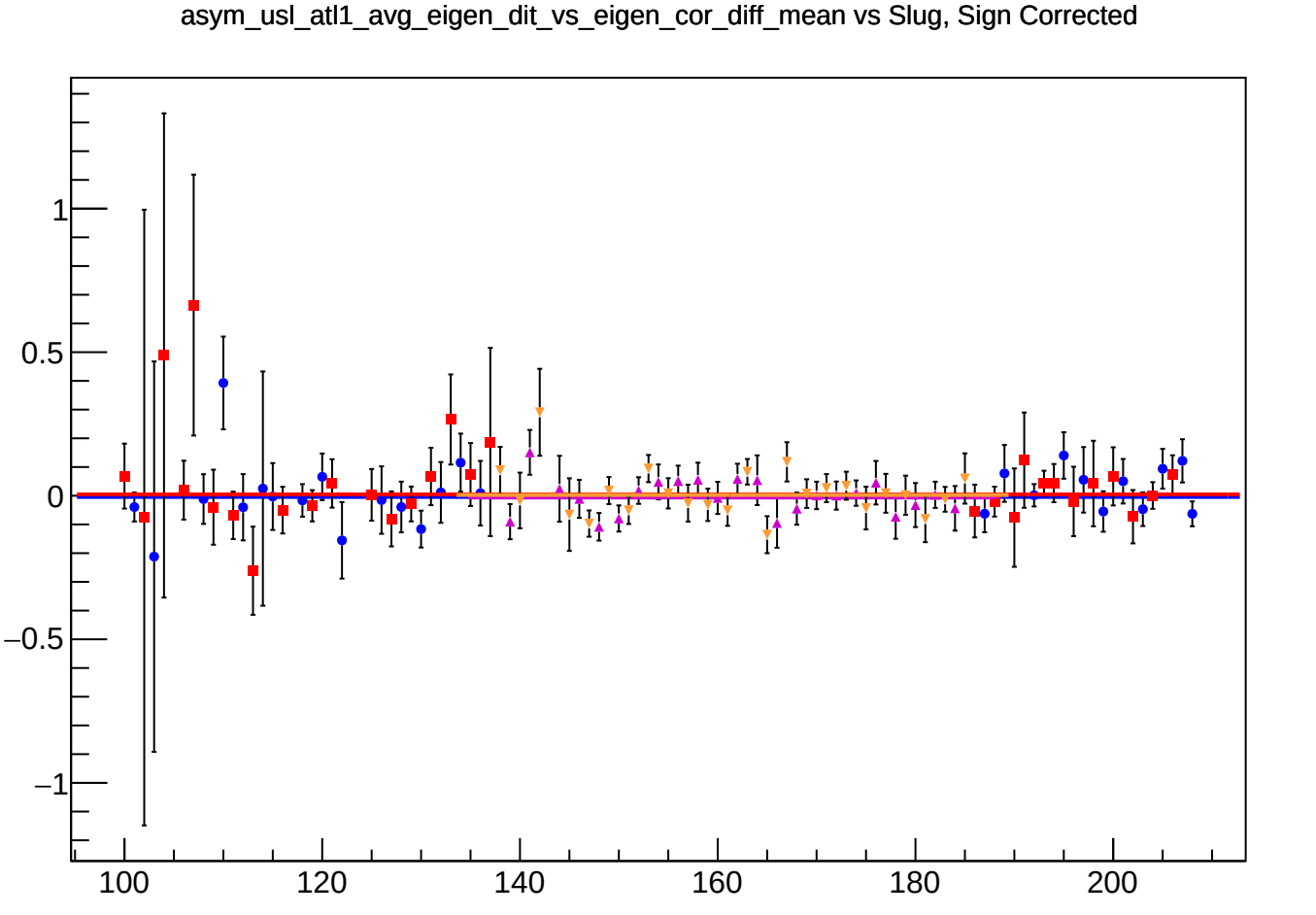
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.749+/-0.008 χ^2/NDF: 8364803.5/56

In: 47.934+/-0.007 χ^2/NDF:5177021.1/49

Out: 48.157+/-0.007 χ^2/NDF:6826098.4/53

All: 48.043+/-0.005 χ^2/NDF: 12003683.4/103



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

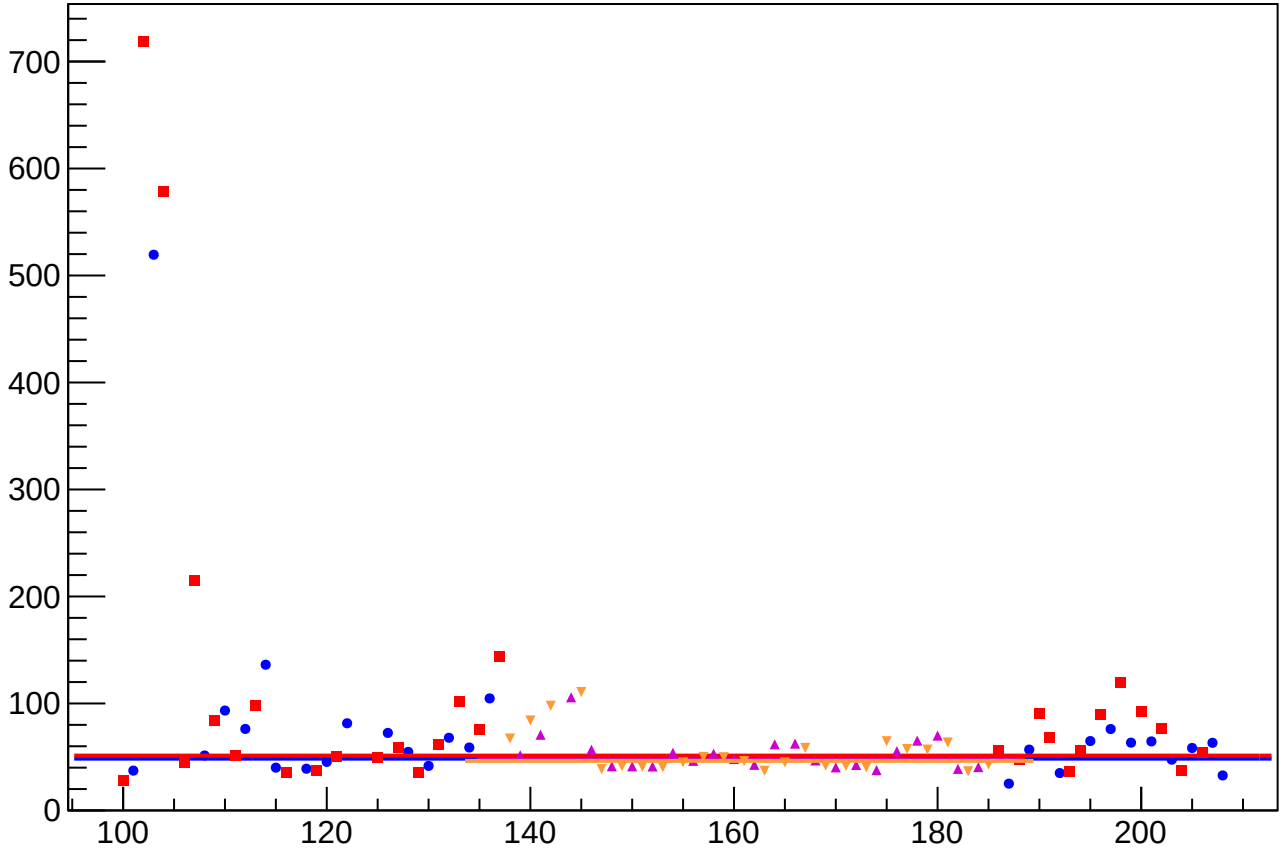
Right: -0.000+/-0.011 χ^2/NDF: 44.3/56

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: -0.001+/-0.007 χ^2/NDF: 96.1/103

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

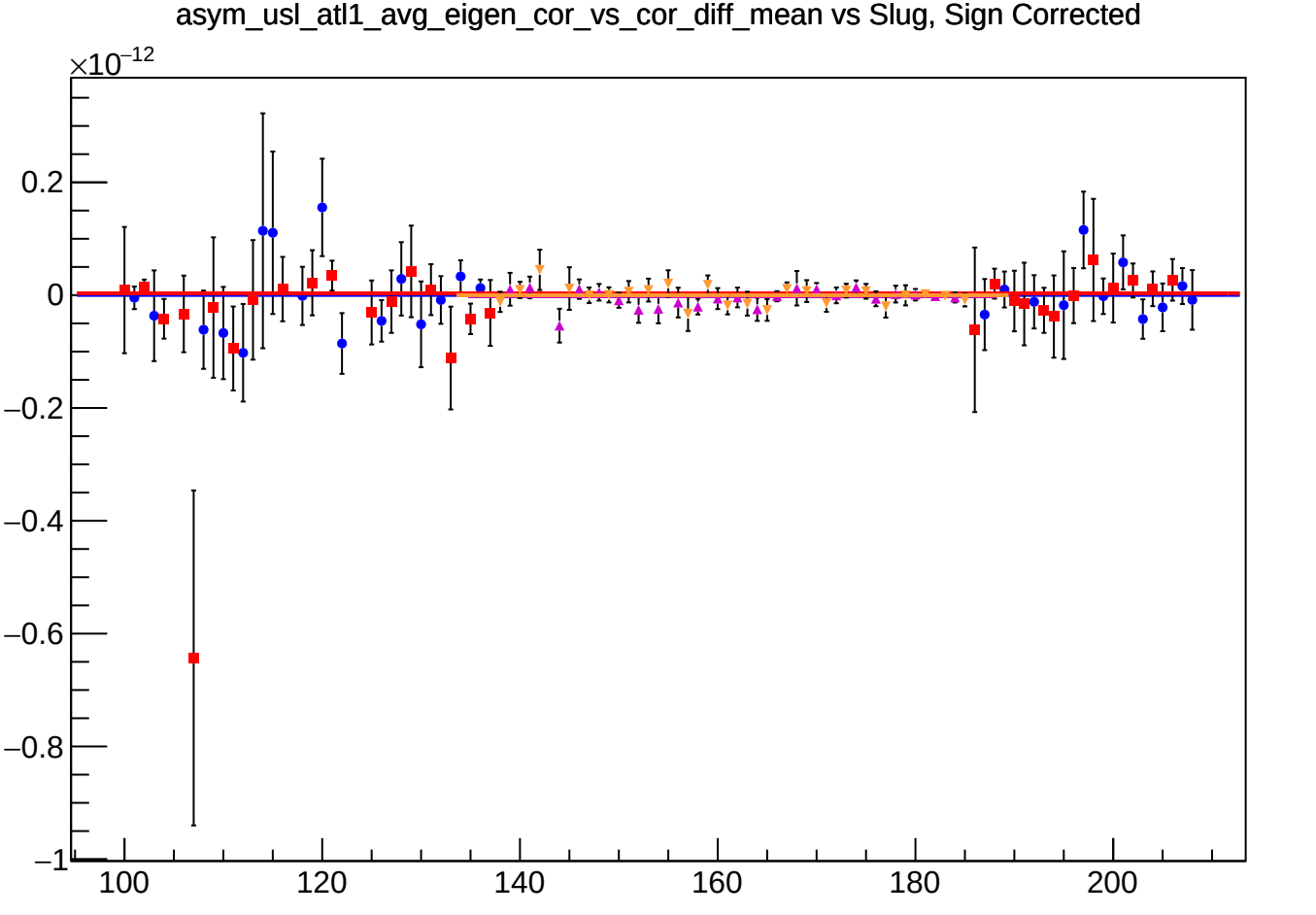
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.749+/-0.008 χ^2/NDF: 8364803.5/56

In: 47.934+/-0.007 χ^2/NDF:5177021.1/49

Out: 48.157+/-0.007 χ^2/NDF:6826098.4/53

All: 48.043+/-0.005 χ^2/NDF: 12003683.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/29

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

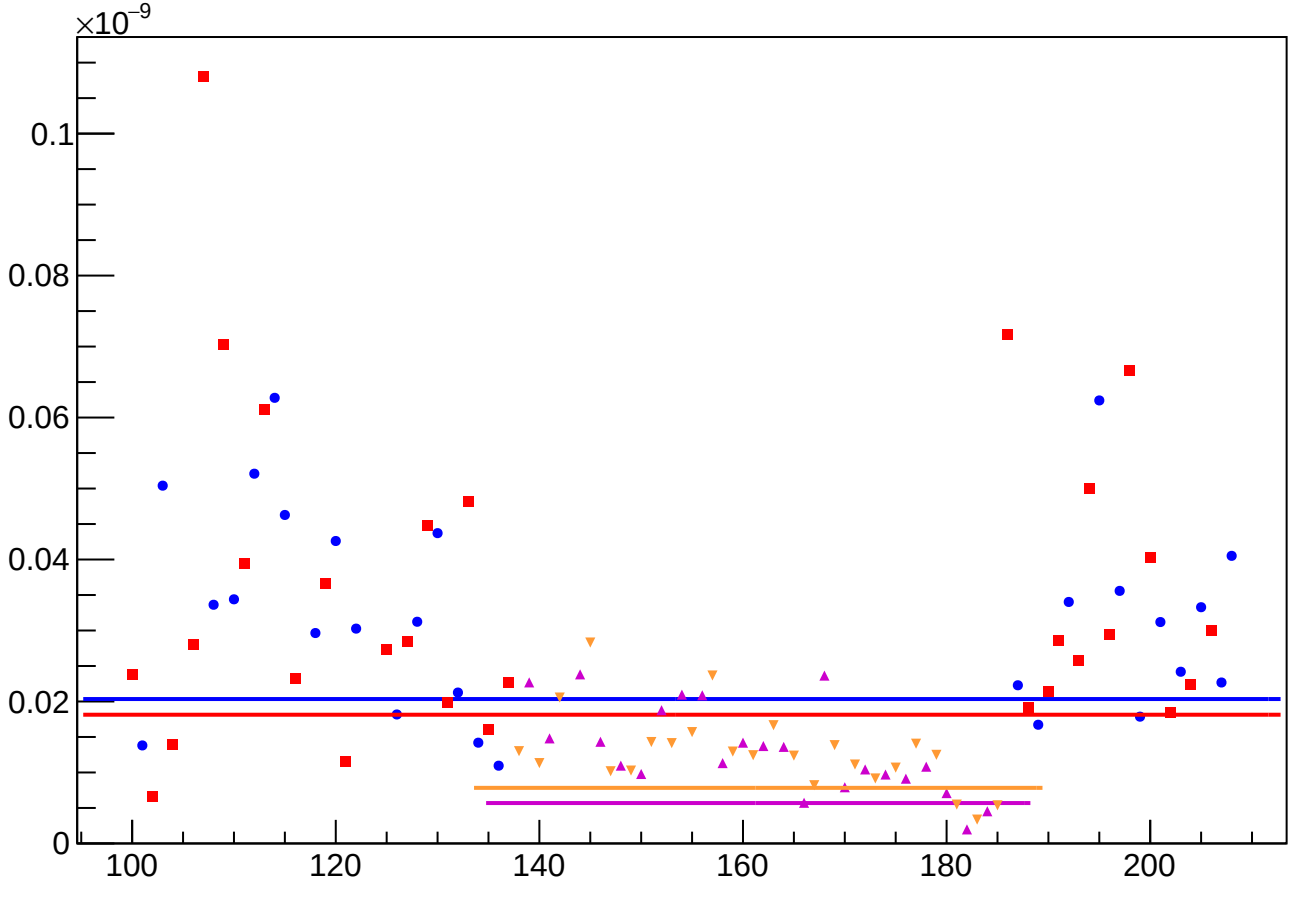
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 40.2/56

In: -0.000+/-0.000 χ^2/NDF:34.4/49

Out: 0.000+/-0.000 χ^2/NDF:33.3/53

All: -0.000+/-0.000 χ^2/NDF: 68.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 3731675.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5392227.7/29

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

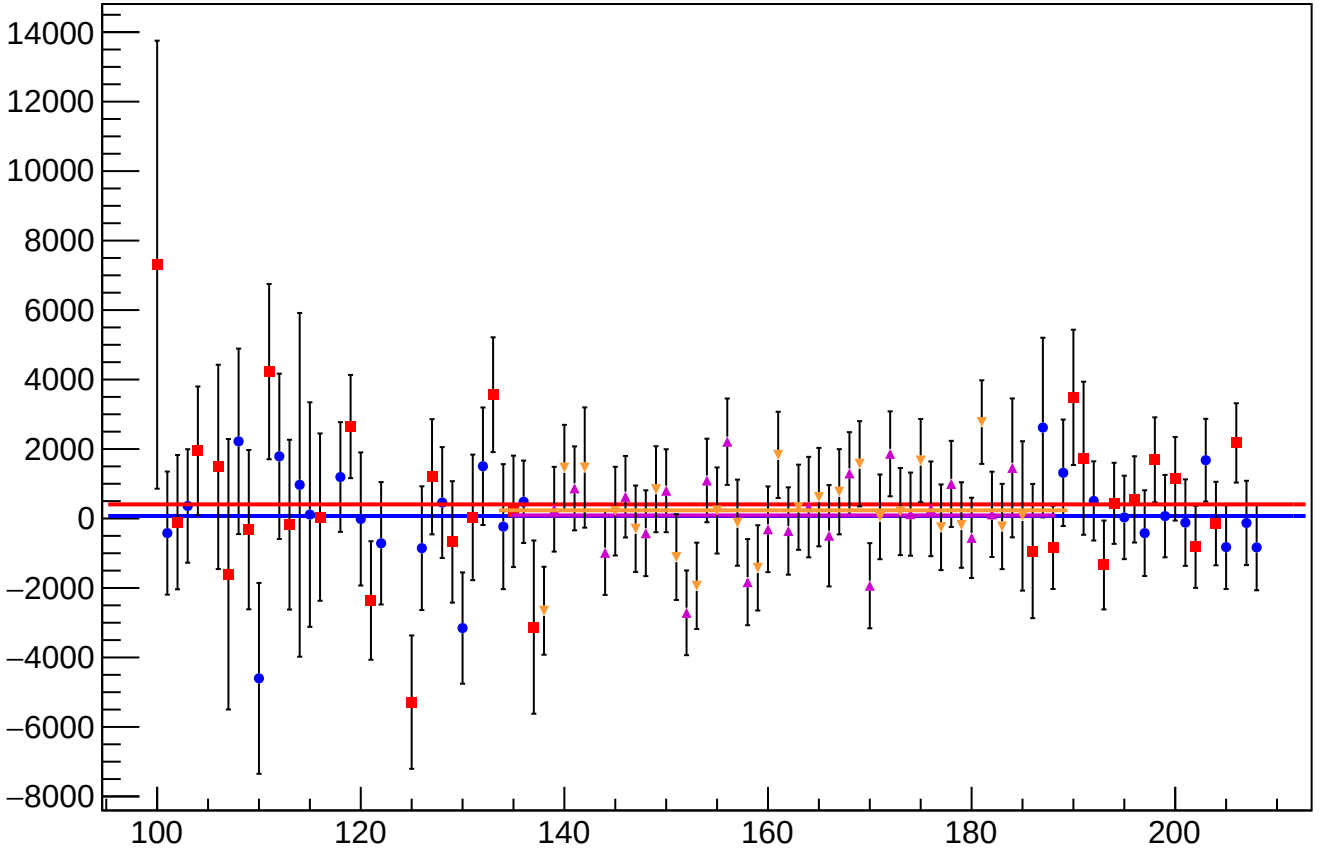
Right: 0.000+/-0.000 χ^2/NDF: 9212822.3/56

In: 0.000+/-0.000 χ^2/NDF:21899341.2/49

Out: 0.000+/-0.000 χ^2/NDF:15398065.0/53

All: 0.000+/-0.000 χ^2/NDF: 38266195.5/103

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 72.656+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 406.737+/-296.186 χ^2/NDF: 36.3/29

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

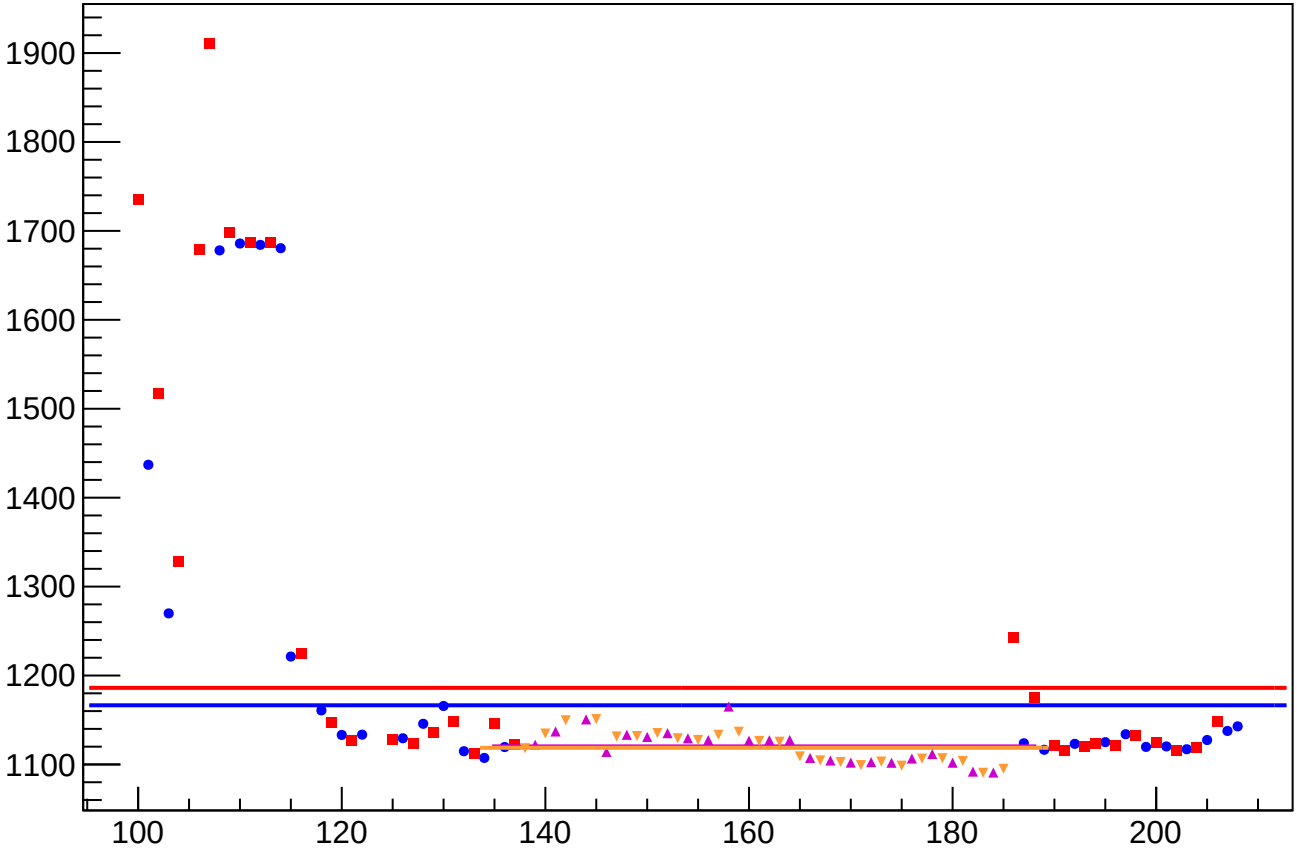
Right: 238.809+/-208.878 χ^2/NDF: 52.0/56

In: 81.448+/-195.616 χ^2/NDF:35.9/49

Out: 310.540+/-195.255 χ^2/NDF:59.2/53

All: 196.205+/-138.194 χ^2/NDF: 95.8/103

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.8/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.144+/-0.209 χ^2/NDF: 537928.4/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

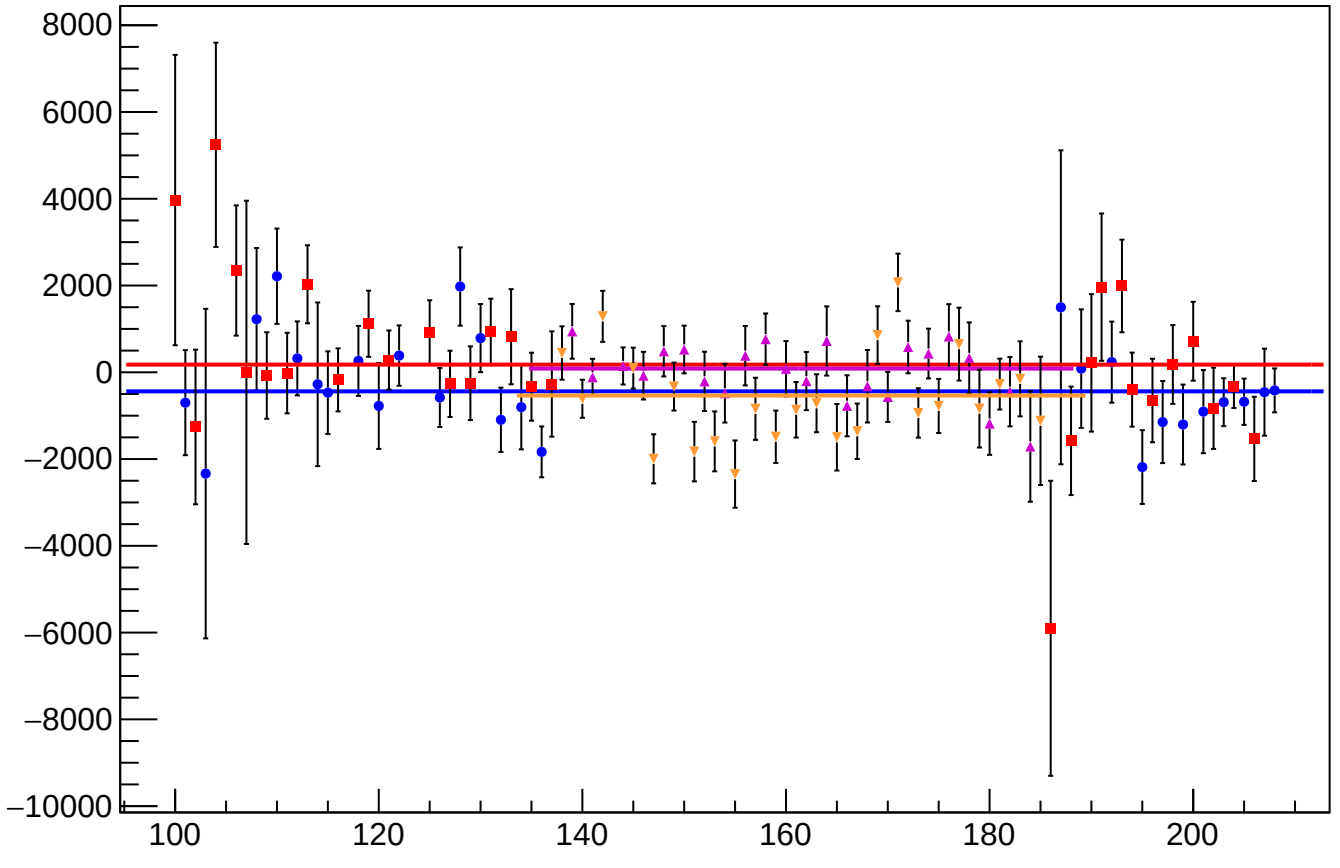
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1176.285+/-0.148 χ^2/NDF: 890933.5/56

In: 1140.686+/-0.138 χ^2/NDF:385602.6/49

Out: 1148.029+/-0.138 χ^2/NDF:604709.7/53

All: 1144.364+/-0.098 χ^2/NDF: 991724.1/103



Right In: -439.390+/-161.483 χ^2/NDF: 33.6/26

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 176.796+/-172.544 χ^2/NDF: 34.3/29

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

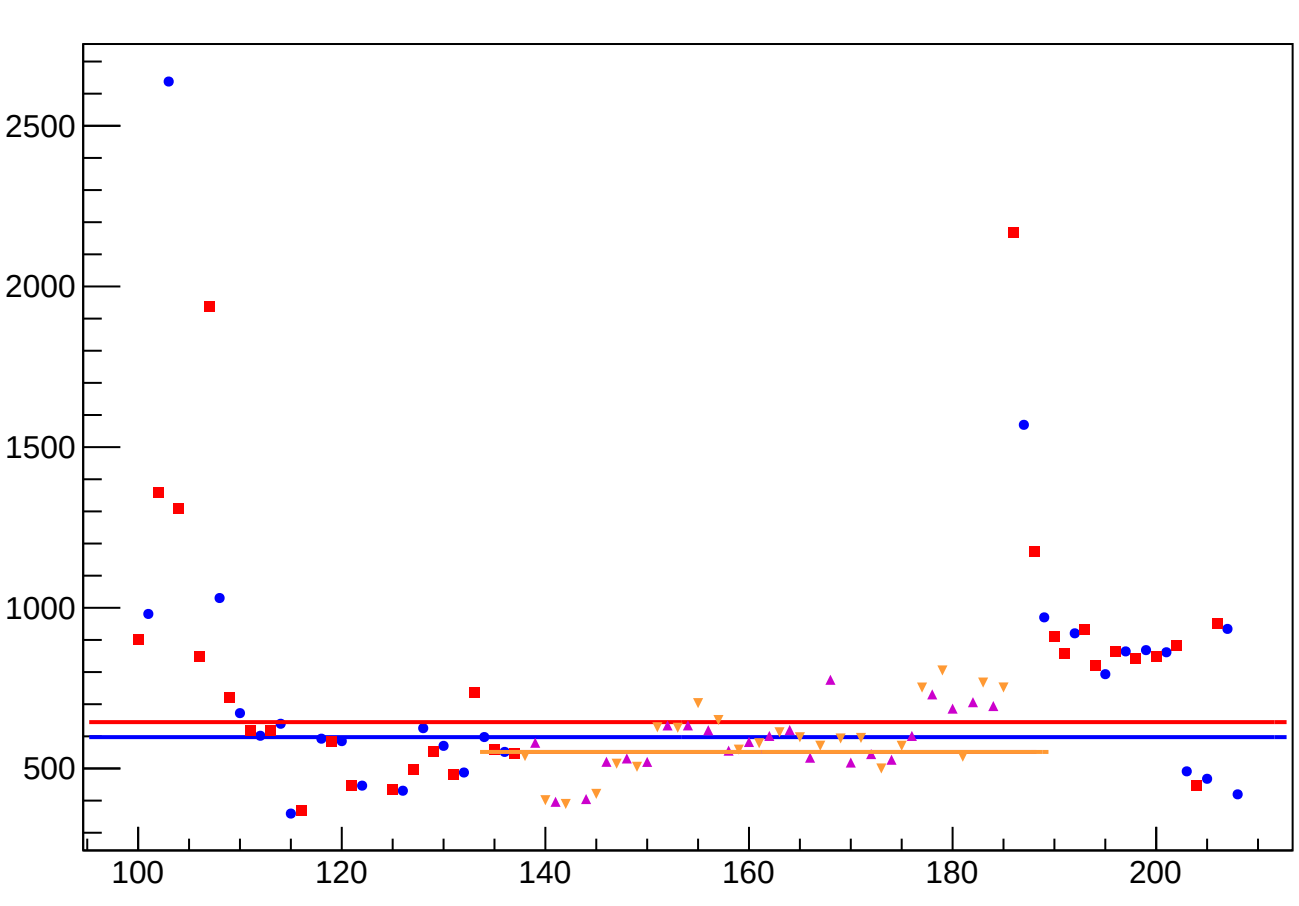
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -151.680+/-117.902 χ^2/NDF: 74.7/56

In: -122.911+/-101.718 χ^2/NDF:57.1/49

Out: -276.194+/-104.157 χ^2/NDF:106.7/53

All: -197.737+/-72.773 χ^2/NDF: 164.9/103



Right In: 597.538+/-0.114 χ^2/NDF: 3114920.2/26

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 644.251+/-0.122 χ^2/NDF: 3661027.5/29

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

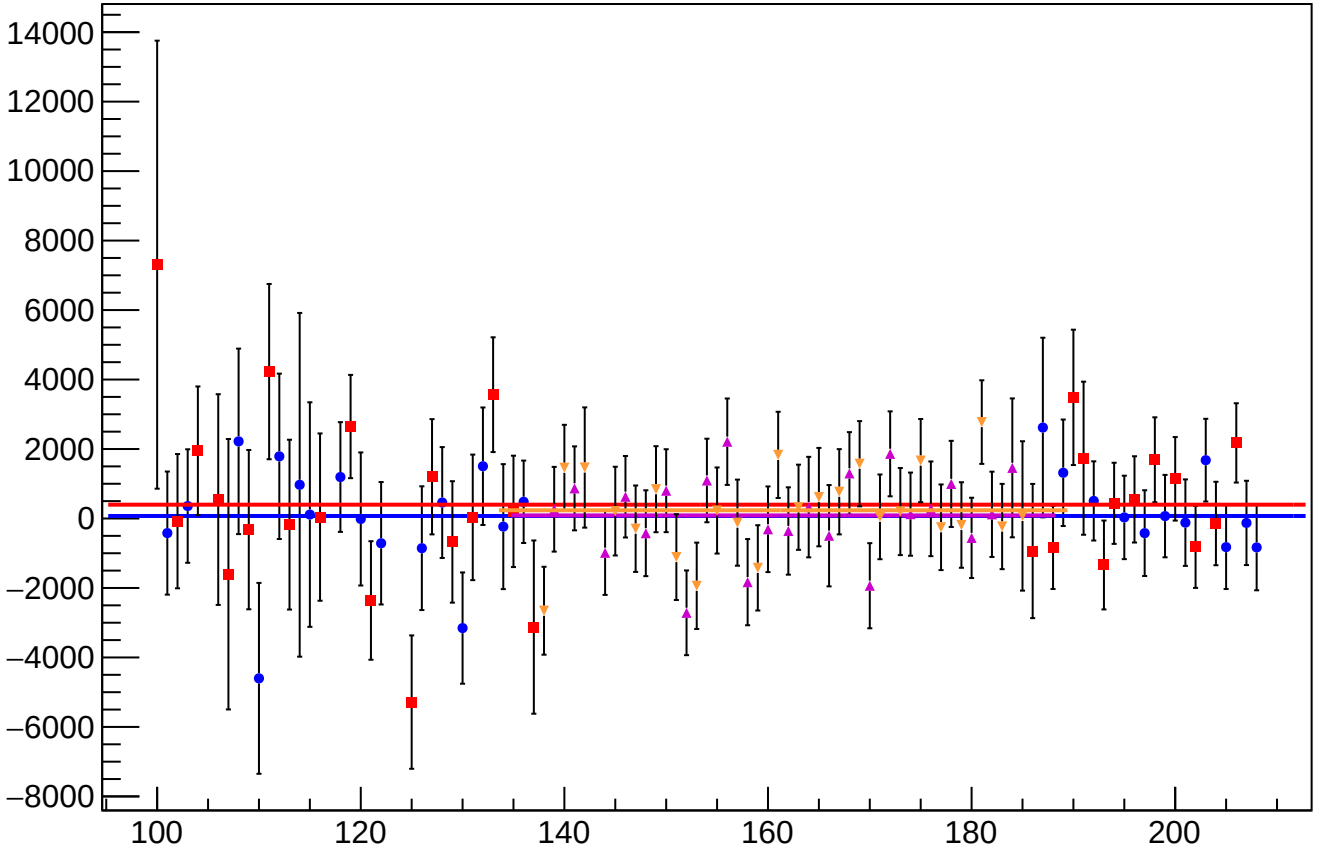
Right: 619.349+/-0.083 χ^2/NDF: 6854092.4/56

In: 569.668+/-0.072 χ^2/NDF:4275443.6/49

Out: 585.260+/-0.074 χ^2/NDF:5255447.5/53

All: 577.279+/-0.051 χ^2/NDF: 9553832.2/103

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 397.802+/-296.277 χ^2/NDF: 36.1/29

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

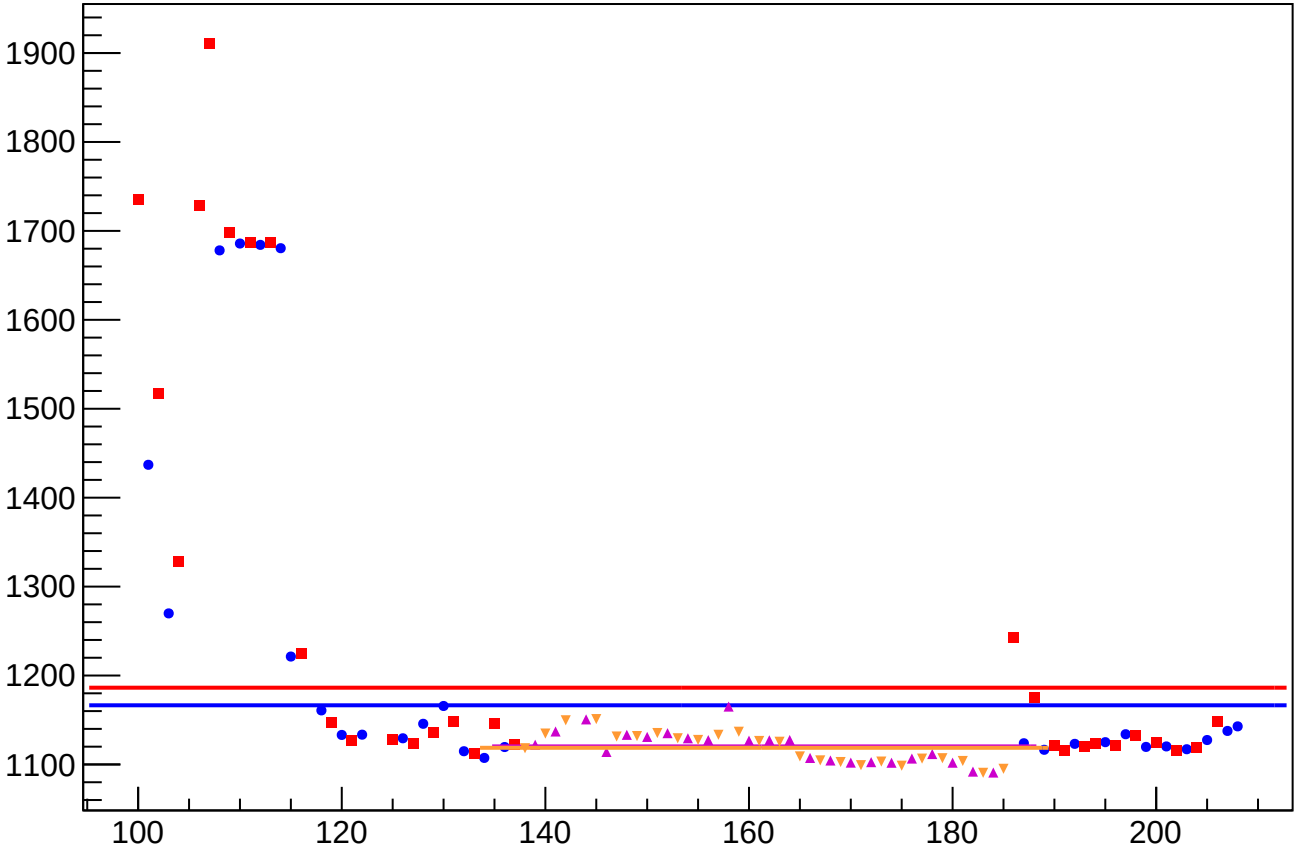
Right: 234.237+/-208.910 χ^2/NDF: 51.8/56

In: 81.374+/-195.616 χ^2/NDF:35.9/49

Out: 306.656+/-195.281 χ^2/NDF:59.0/53

All: 194.208+/-138.203 χ^2/NDF: 95.6/103

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

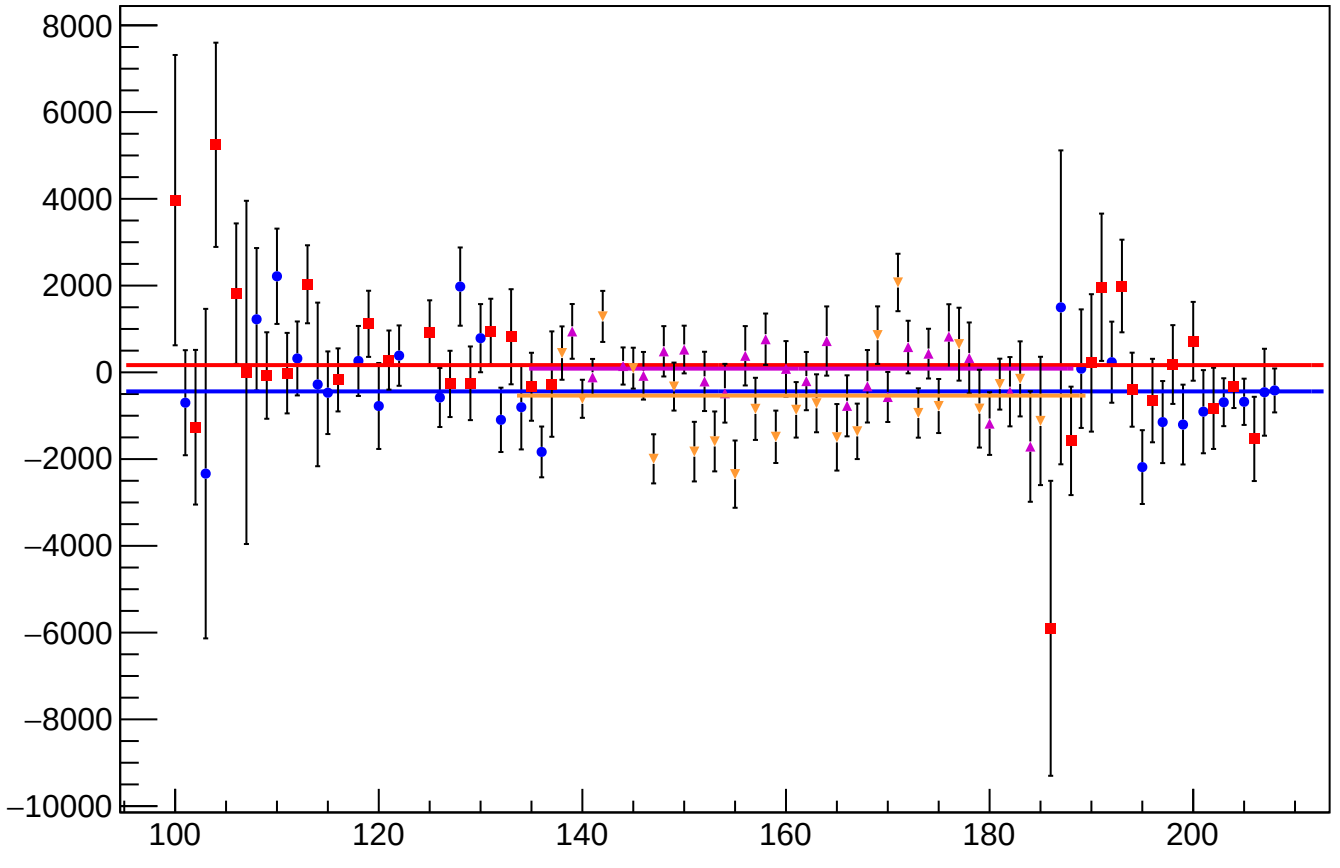
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1176.370+/-0.148 χ^2/NDF: 898893.3/56

In: 1140.686+/-0.138 χ^2/NDF:385602.7/49

Out: 1148.096+/-0.138 χ^2/NDF:612878.7/53

All: 1144.397+/-0.098 χ^2/NDF: 999918.7/103



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 166.703+/-172.703 χ^2/NDF: 33.3/29

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

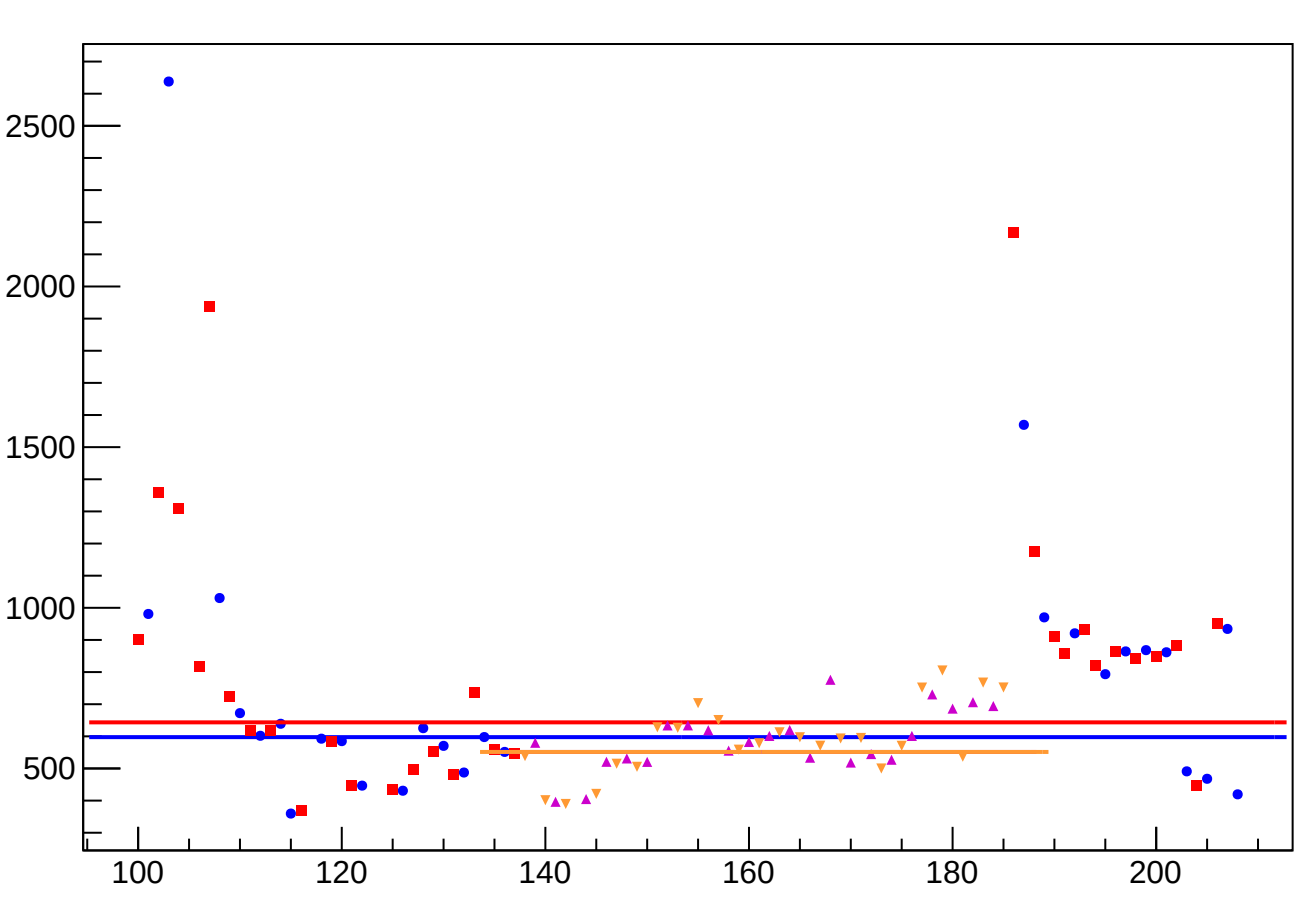
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -156.660+/-117.953 χ^2/NDF: 73.4/56

In: -122.909+/-101.718 χ^2/NDF:57.1/49

Out: -280.191+/-104.192 χ^2/NDF:105.4/53

All: -199.661+/-72.784 χ^2/NDF: 163.6/103



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

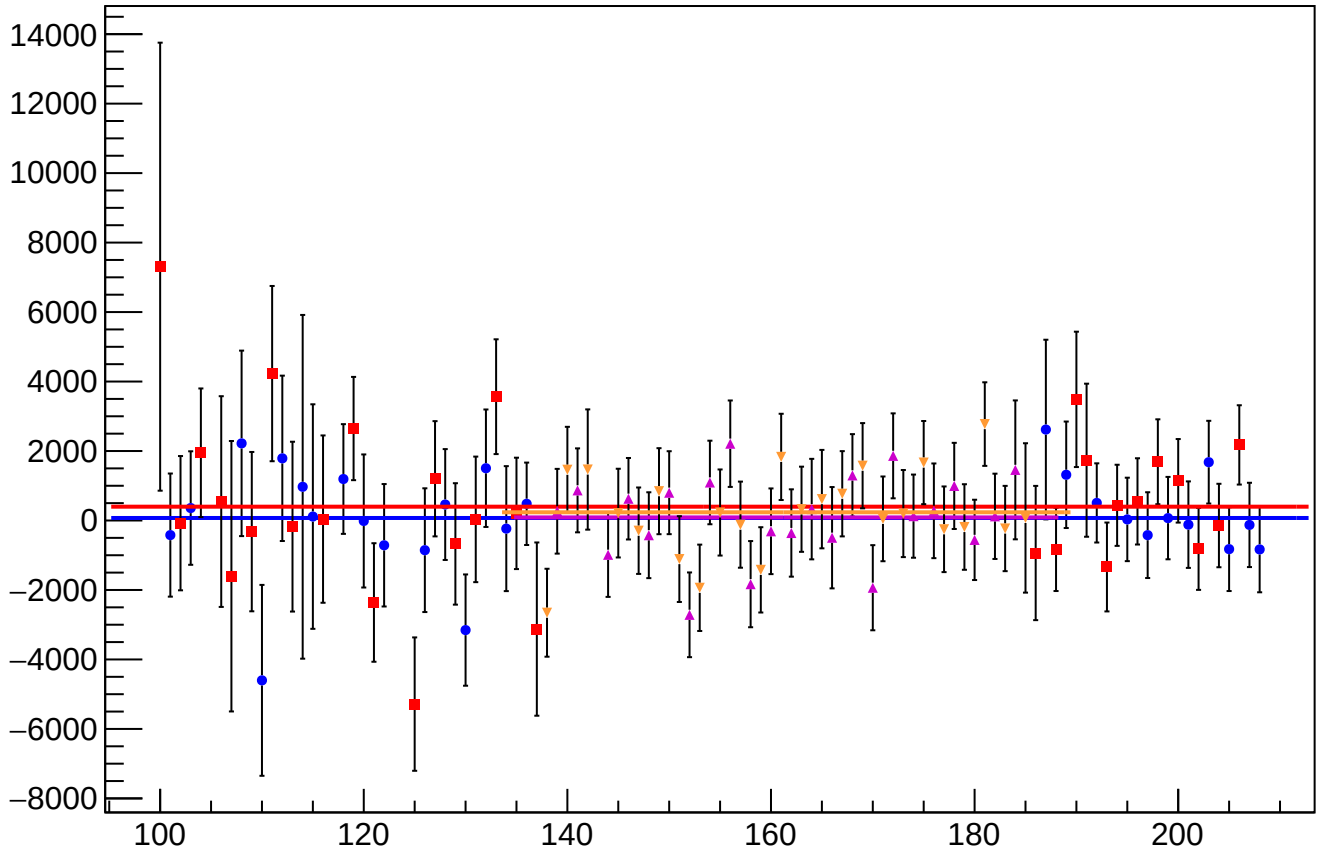
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 618.983+/-0.083 χ^2/NDF: 6837885.8/56

In: 569.666+/-0.072 χ^2/NDF:4275394.8/49

Out: 584.952+/-0.074 χ^2/NDF:5235543.7/53

All: 577.126+/-0.051 χ^2/NDF: 9532979.3/103



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 397.802+/-296.277 χ^2/NDF: 36.1/29

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

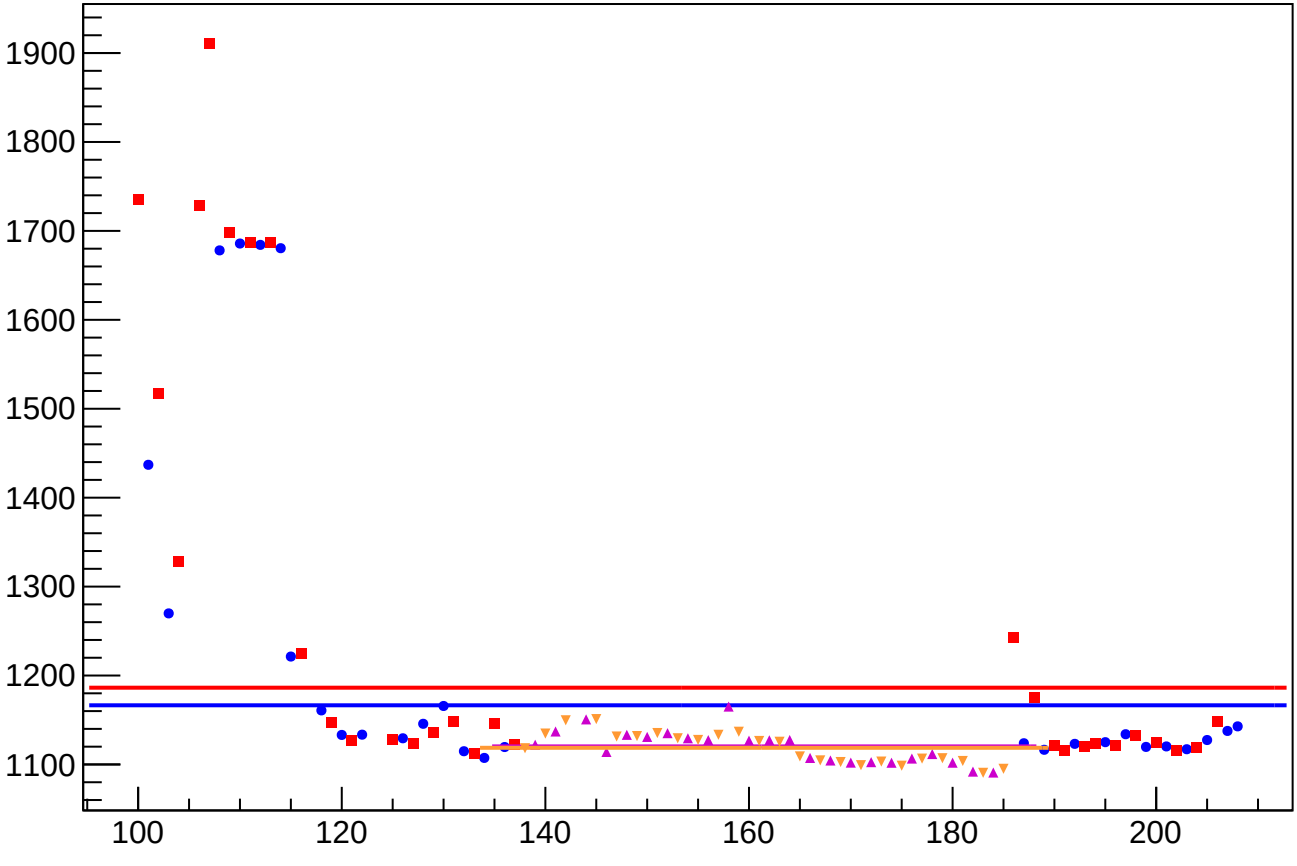
Right: 234.237+/-208.910 χ^2/NDF: 51.8/56

In: 81.374+/-195.616 χ^2/NDF:35.9/49

Out: 306.656+/-195.281 χ^2/NDF:59.0/53

All: 194.208+/-138.203 χ^2/NDF: 95.6/103

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

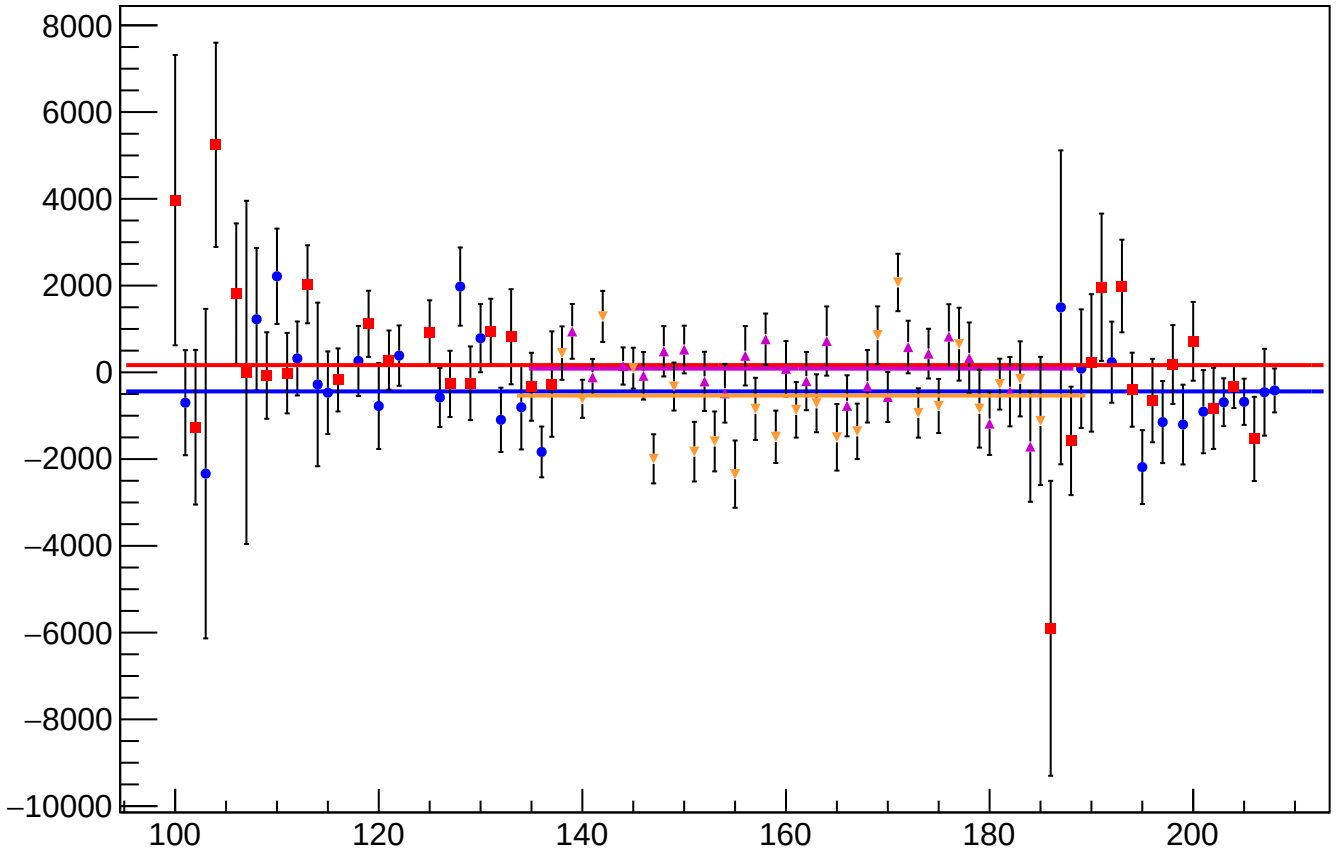
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1176.370+/-0.148 χ^2/NDF: 898893.3/56

In: 1140.686+/-0.138 χ^2/NDF:385602.7/49

Out: 1148.096+/-0.138 χ^2/NDF:612878.7/53

All: 1144.397+/-0.098 χ^2/NDF: 999918.7/103



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 166.703+/-172.703 χ^2/NDF: 33.3/29

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

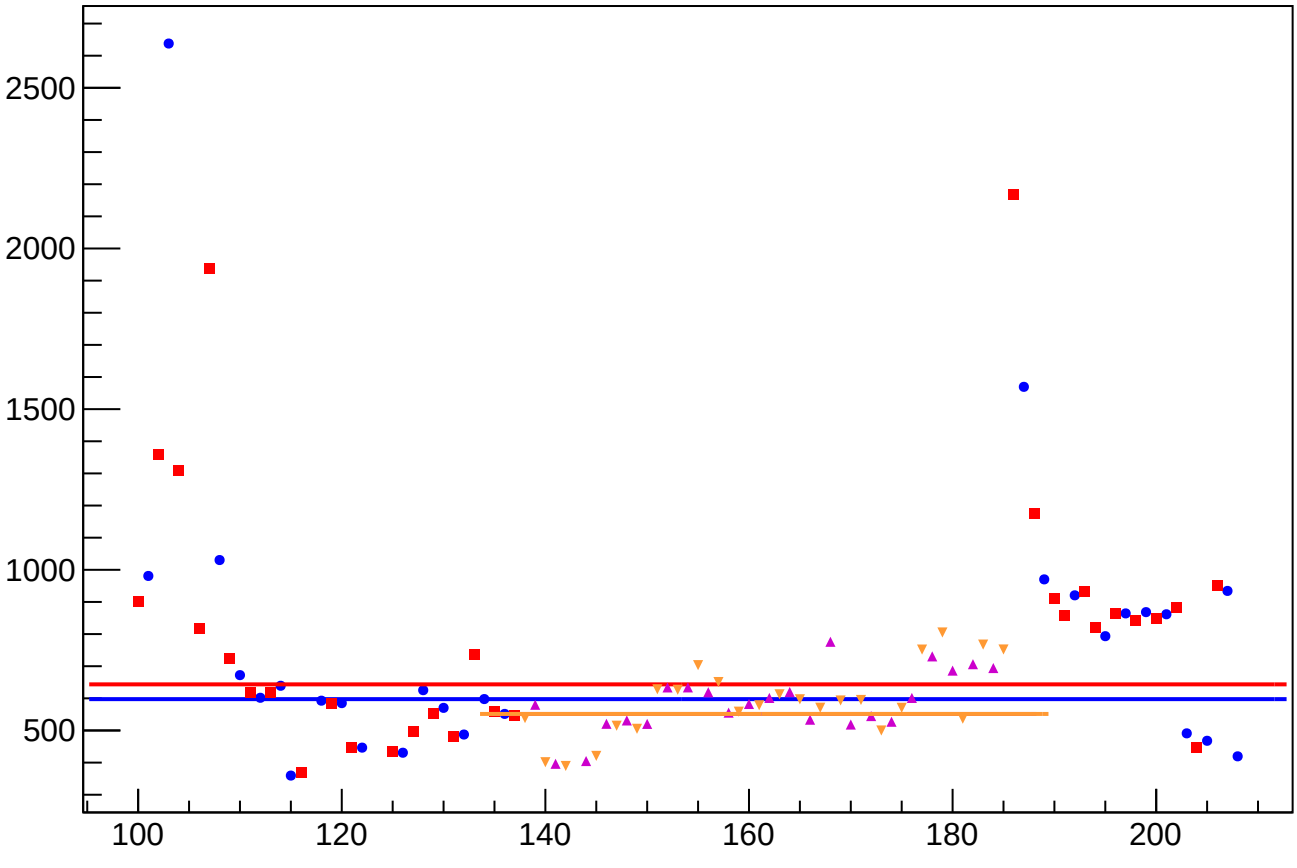
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -156.660+/-117.953 χ^2/NDF: 73.4/56

In: -122.909+/-101.718 χ^2/NDF:57.1/49

Out: -280.191+/-104.192 χ^2/NDF:105.4/53

All: -199.661+/-72.784 χ^2/NDF: 163.6/103



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

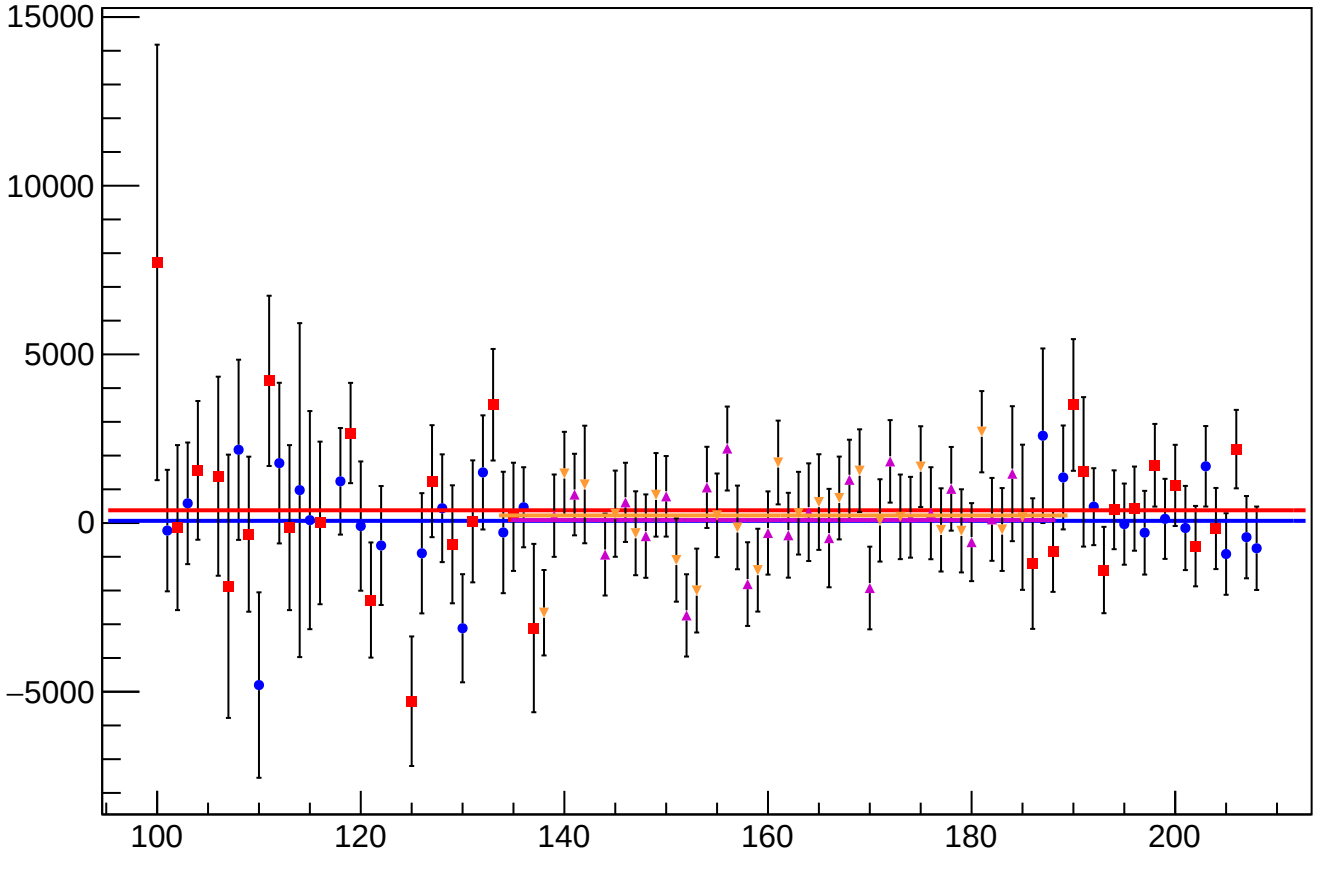
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 618.983+/-0.083 χ^2/NDF: 6837885.8/56

In: 569.666+/-0.072 χ^2/NDF:4275394.8/49

Out: 584.952+/-0.074 χ^2/NDF:5235543.7/53

All: 577.126+/-0.051 χ^2/NDF: 9532979.3/103



Right In: 65.392+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 378.429+/-299.124 χ^2/NDF: 35.7/29

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

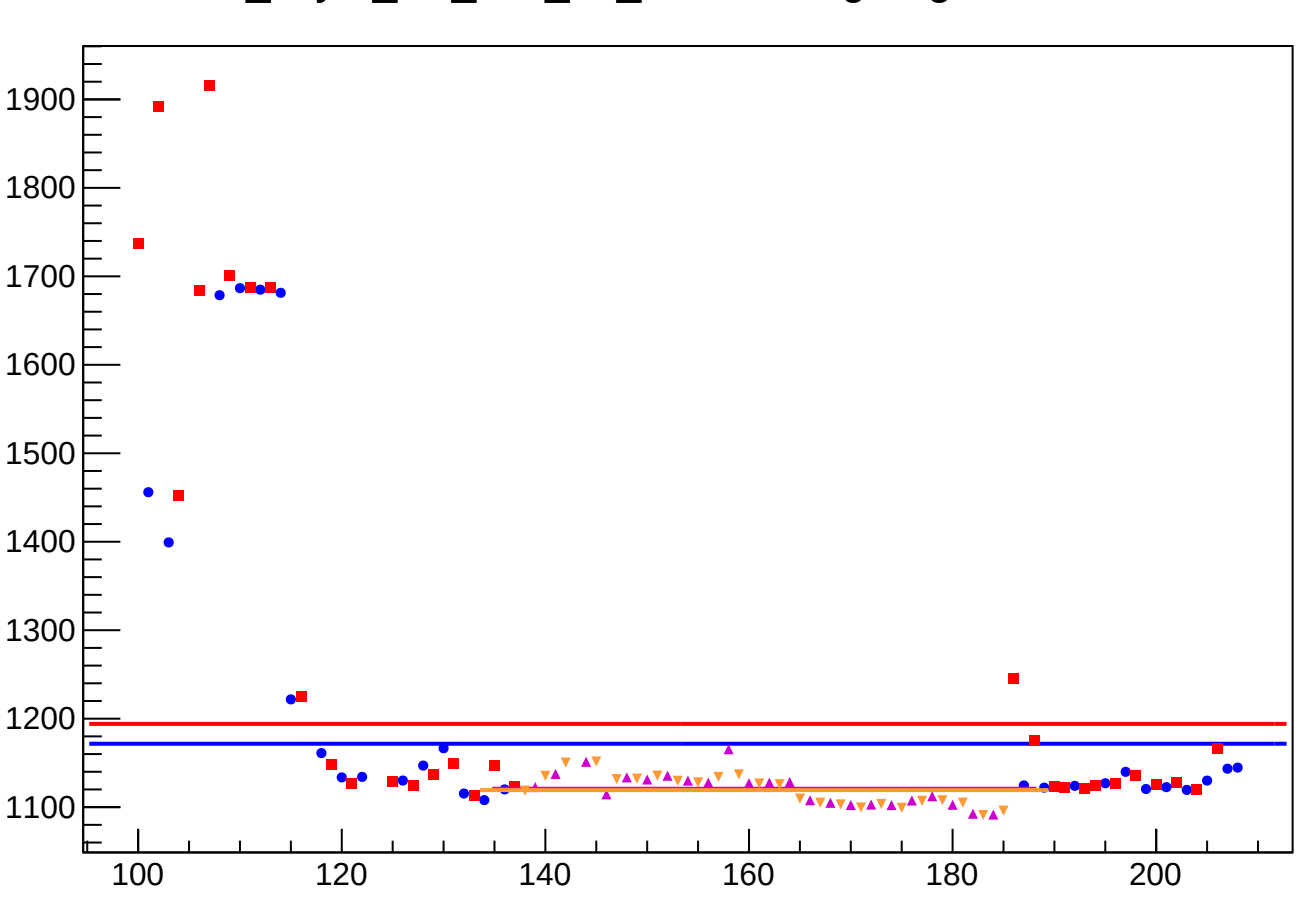
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 220.320+/-210.435 χ^2/NDF: 51.6/56

In: 78.690+/-196.097 χ^2/NDF:35.9/49

Out: 291.359+/-196.159 χ^2/NDF:58.0/53

All: 184.991+/-138.683 χ^2/NDF: 94.5/103



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.6/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662381.1/29

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

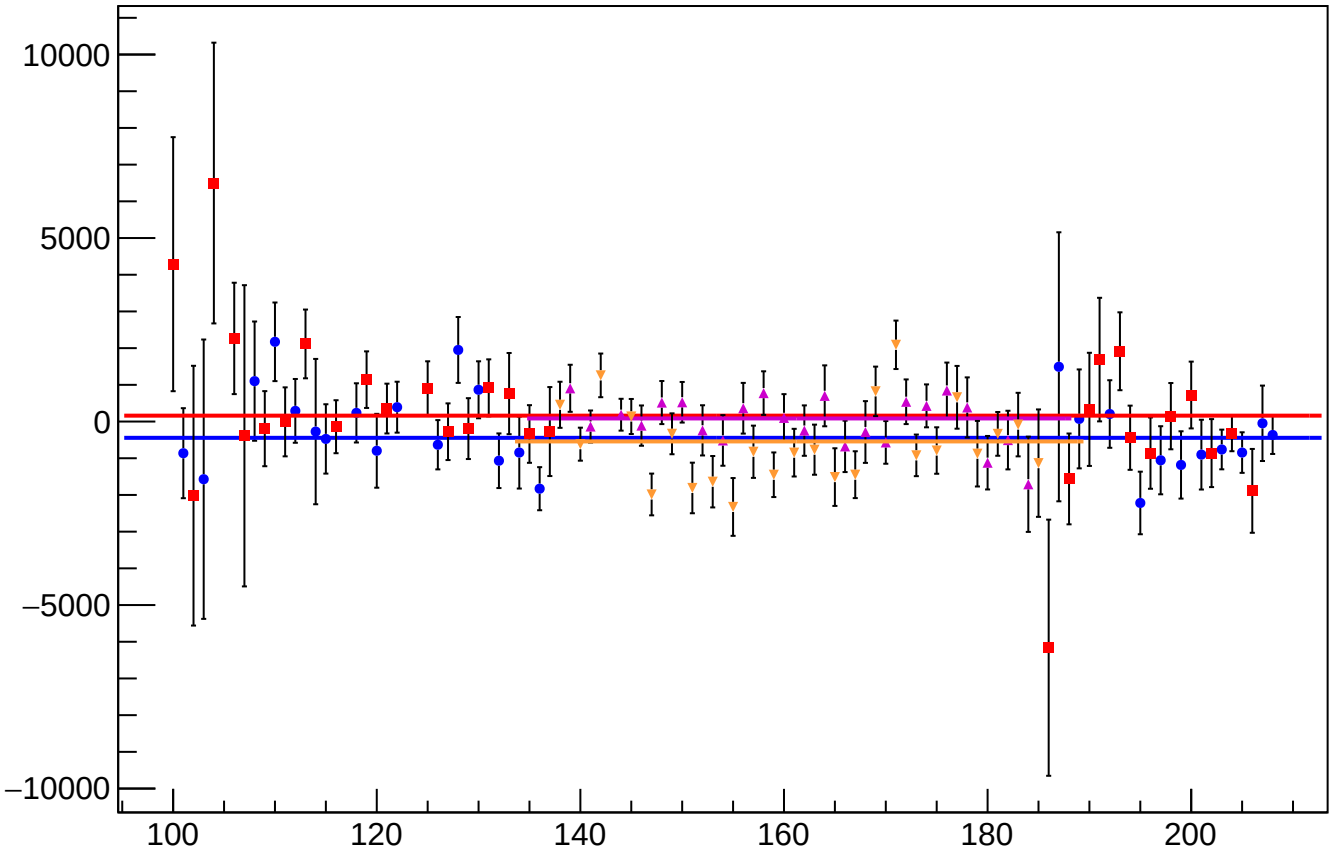
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1182.779+/-0.149 χ^2/NDF: 1043869.5/56

In: 1143.114+/-0.139 χ^2/NDF:418379.2/49

Out: 1151.448+/-0.139 χ^2/NDF:741906.5/53

All: 1147.280+/-0.098 χ^2/NDF: 1162091.5/10



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 160.571+/-174.698 χ^2/NDF: 32.3/29

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

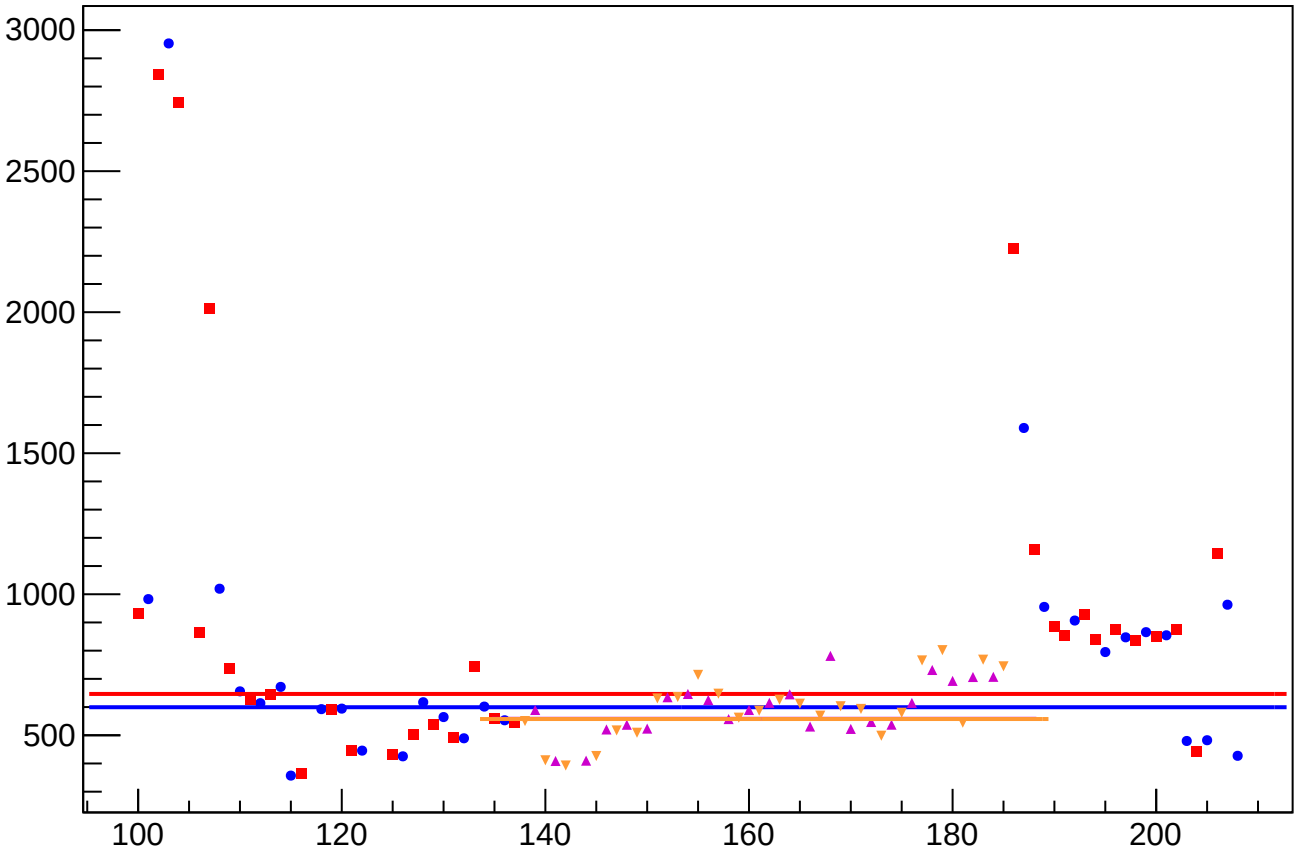
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -164.560+/-118.732 χ^2/NDF: 72.9/56

In: -127.738+/-102.550 χ^2/NDF:56.9/49

Out: -286.378+/-105.323 χ^2/NDF:103.5/53

All: -204.943+/-73.475 χ^2/NDF: 161.6/103



Right In: 599.420+/-0.114 χ^2/NDF: 3256557.9/26

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 646.518+/-0.124 χ^2/NDF: 4772338.5/29

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

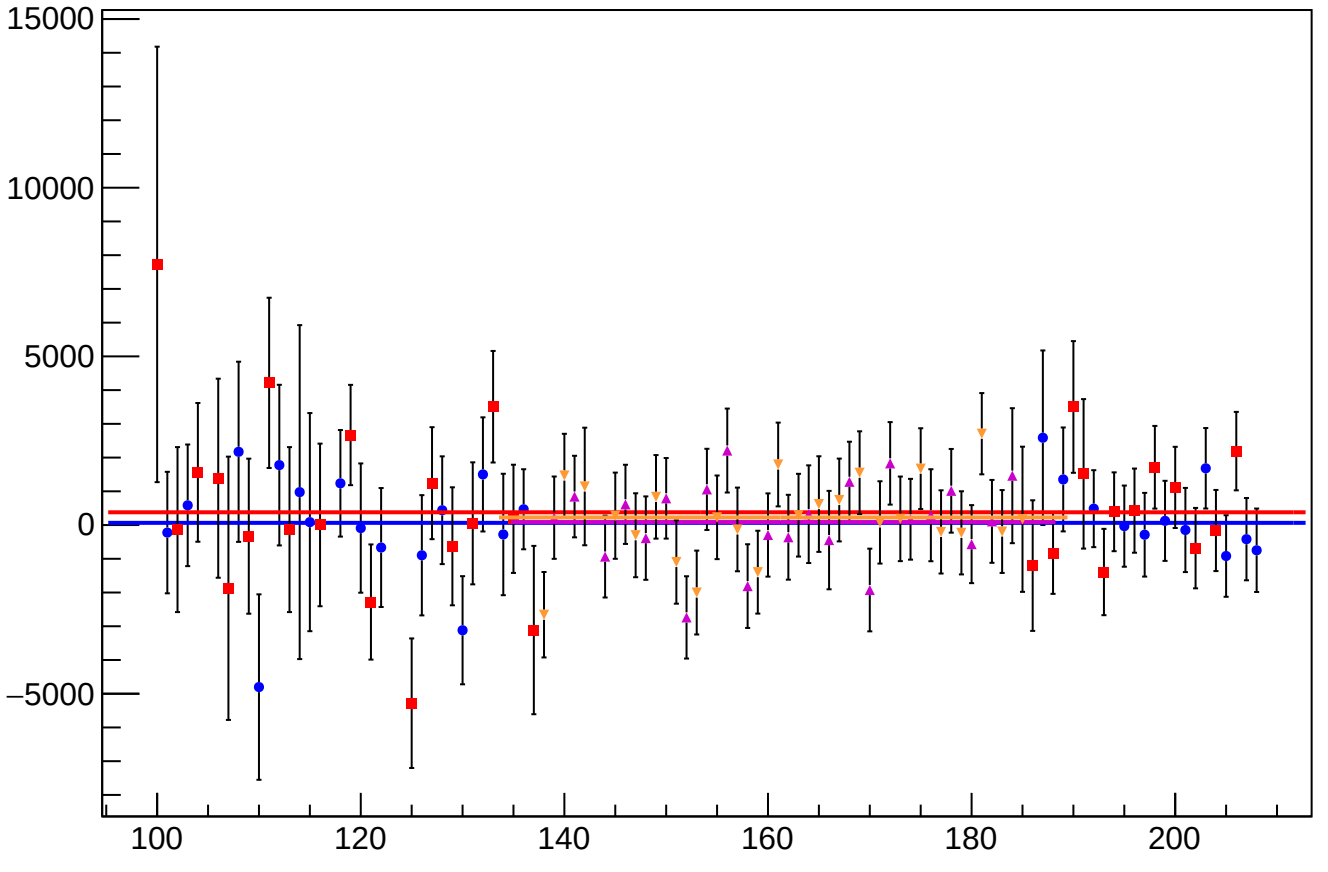
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 621.175+/-0.084 χ^2/NDF: 8107112.5/56

In: 574.862+/-0.073 χ^2/NDF:4361289.0/49

Out: 589.913+/-0.074 χ^2/NDF:6295467.2/53

All: 582.187+/-0.052 χ^2/NDF: 10677723.8/10



Right In: 65.394+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 378.428+/-299.124 χ^2/NDF: 35.7/29

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

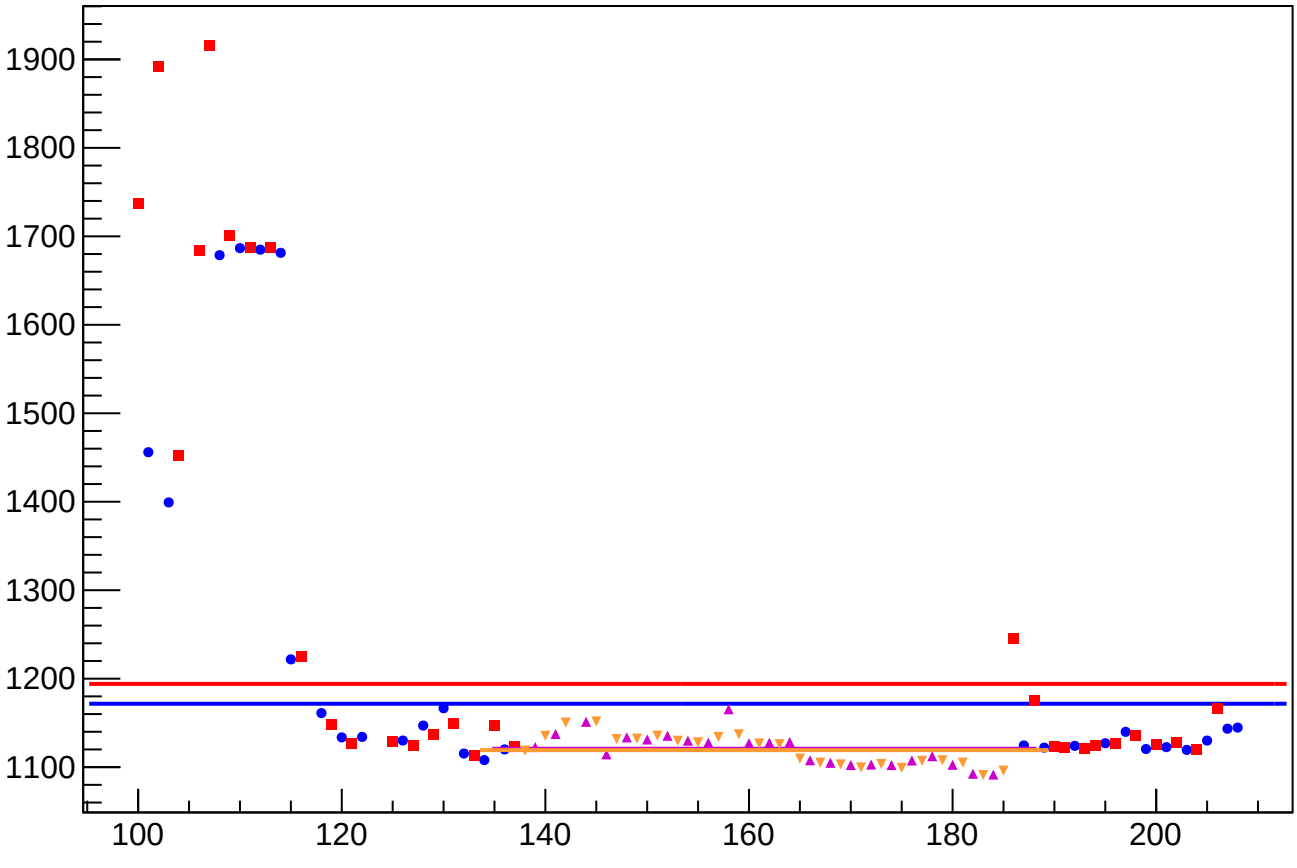
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 220.320+/-210.435 χ^2/NDF: 51.6/56

In: 78.691+/-196.097 χ^2/NDF:35.9/49

Out: 291.358+/-196.159 χ^2/NDF:58.0/53

All: 184.990+/-138.683 χ^2/NDF: 94.5/103



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.1/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662380.4/29

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

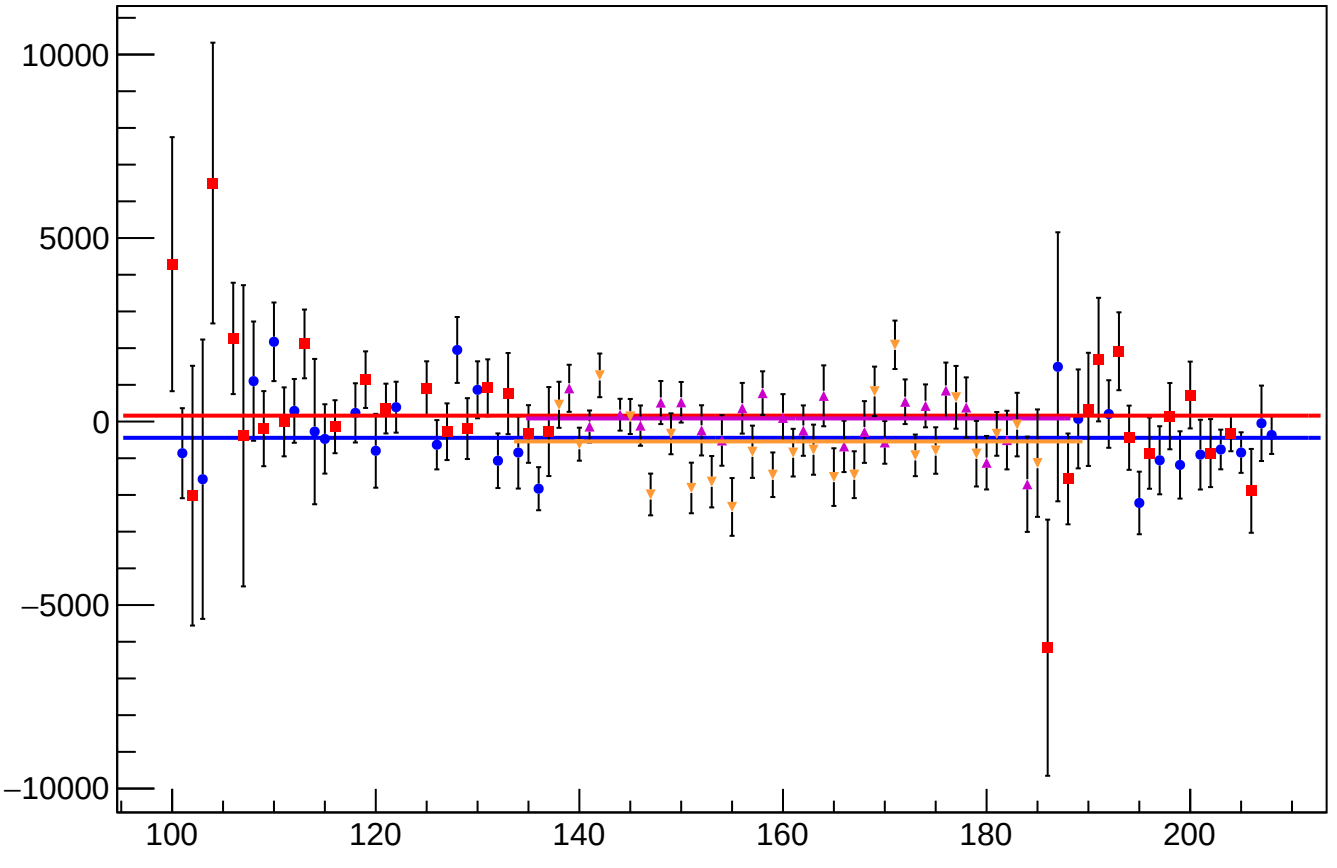
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1182.779+/-0.149 χ^2/NDF: 1043868.3/56

In: 1143.114+/-0.139 χ^2/NDF:418378.7/49

Out: 1151.448+/-0.139 χ^2/NDF:741905.8/53

All: 1147.280+/-0.098 χ^2/NDF: 1162090.2/10



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 160.571+/-174.698 χ^2/NDF: 32.3/29

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

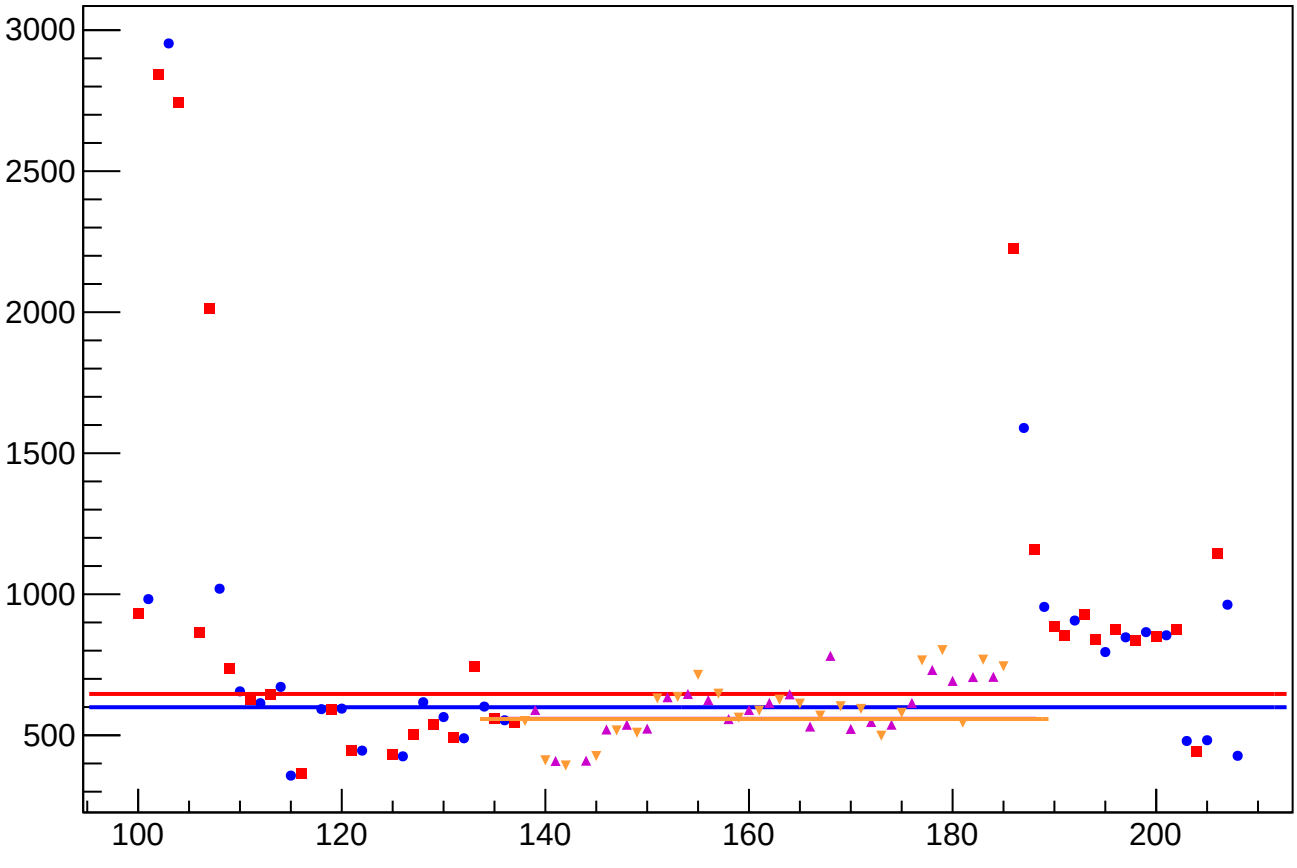
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

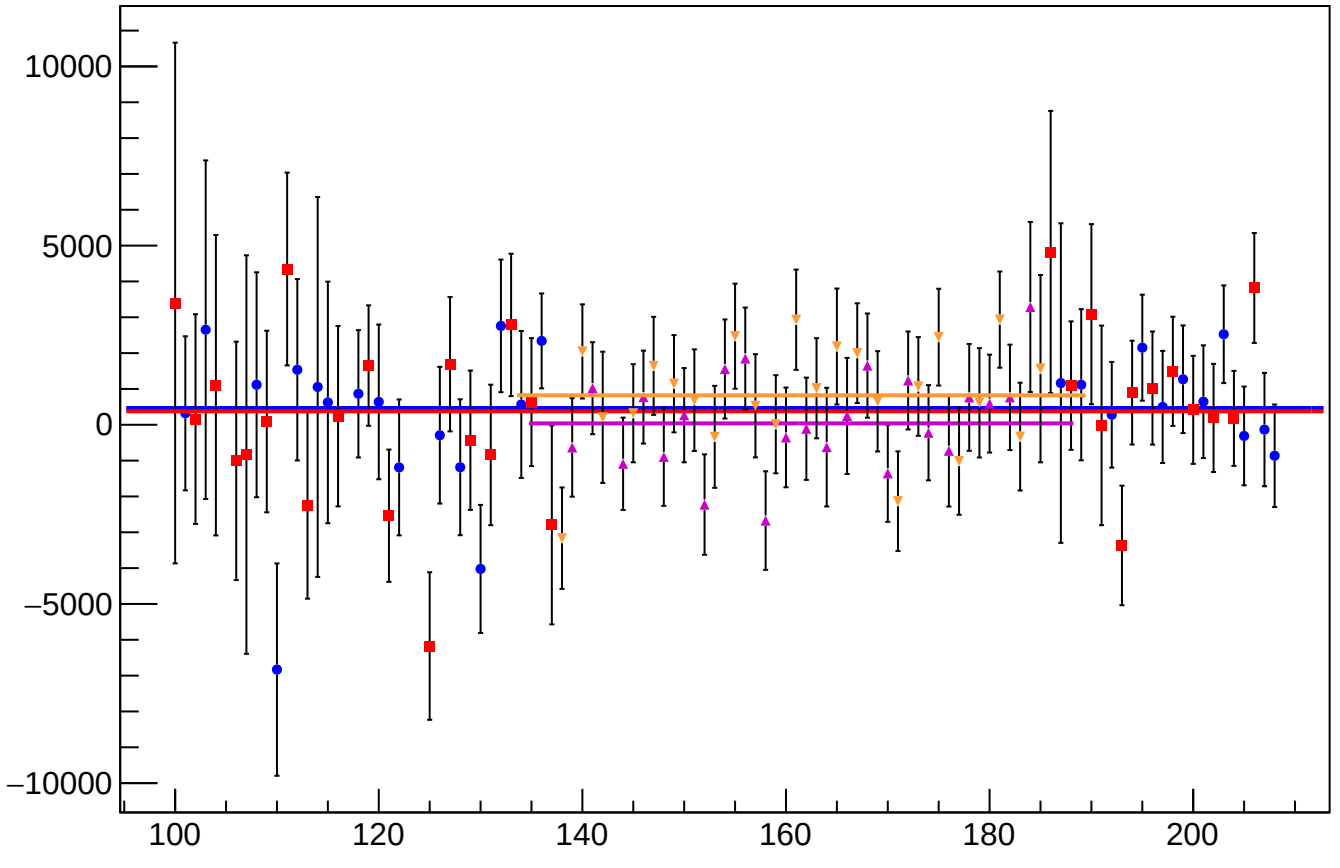
Right: -164.560+/-118.732 χ^2/NDF: 72.9/56

In: -127.738+/-102.550 χ^2/NDF:56.9/49

Out: -286.378+/-105.323 χ^2/NDF:103.5/53

All: -204.942+/-73.475 χ^2/NDF: 161.6/103


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 599.420+/-0.114 χ²/NDF: 3256558.5/26
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 646.517+/-0.124 χ²/NDF: 4772344.5/29
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 621.175+/-0.084 χ²/NDF: 8107119.2/56
In: 574.861+/-0.073 χ²/NDF:4361305.2/49
Out: 589.913+/-0.074 χ²/NDF:6295497.9/53
All: 582.186+/-0.052 χ²/NDF: 10677770.5/10



Right In: 467.769+/-355.029 χ^2/NDF: 23.5/26

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 376.144+/-364.941 χ^2/NDF: 34.2/29

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

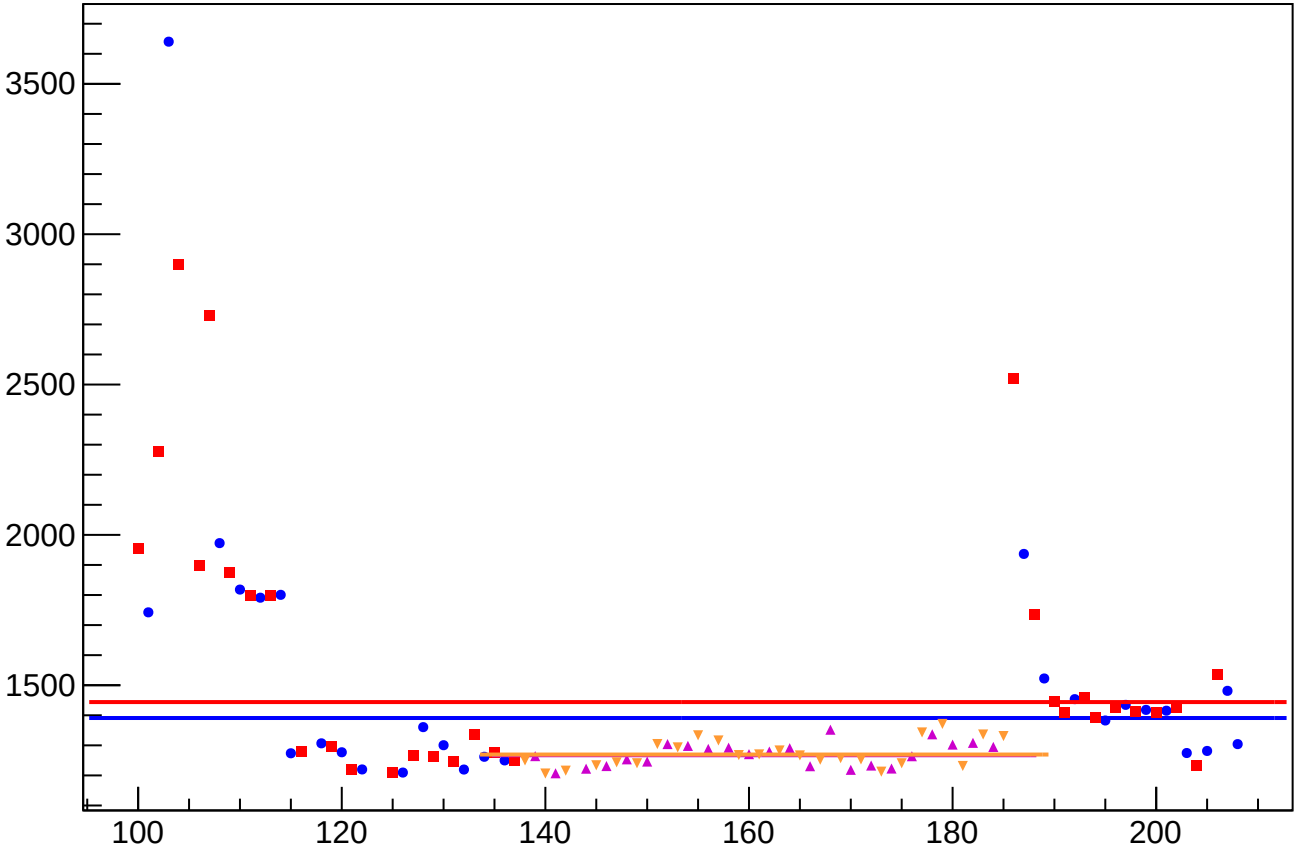
Right: 423.218+/-254.475 χ^2/NDF: 57.7/56

In: 215.240+/-227.351 χ^2/NDF:42.2/49

Out: 646.717+/-229.341 χ^2/NDF:61.3/53

All: 429.098+/-161.461 χ^2/NDF: 105.3/103

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1390.936+/-0.251 χ^2/NDF: 864486.8/26

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1443.945+/-0.258 χ^2/NDF: 1121538.1/29

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

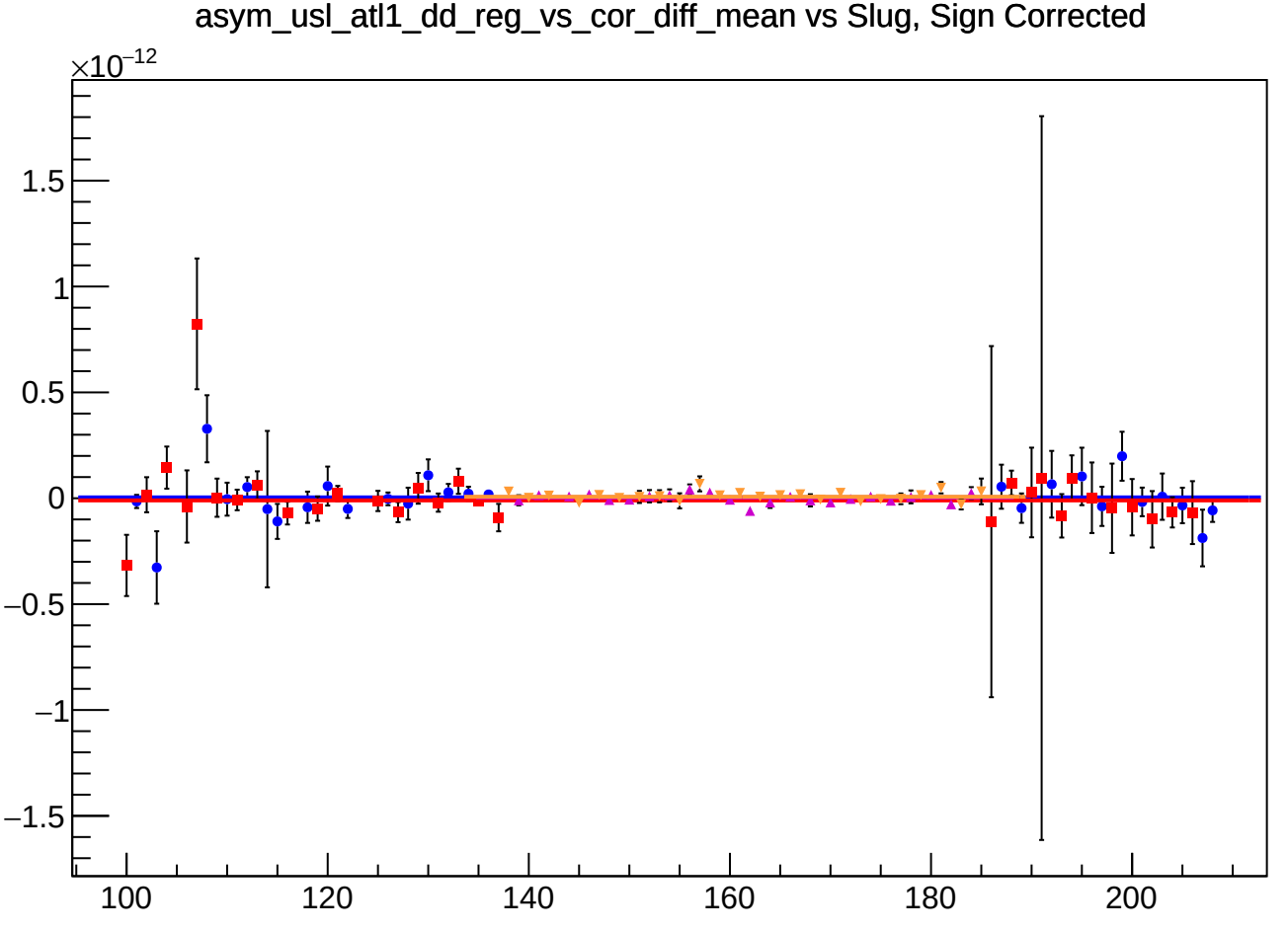
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1416.711+/-0.180 χ^2/NDF: 2007704.3/56

In: 1317.862+/-0.161 χ^2/NDF:1042658.8/49

Out: 1338.357+/-0.162 χ^2/NDF:1441274.0/53

All: 1328.021+/-0.114 χ^2/NDF: 2491988.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

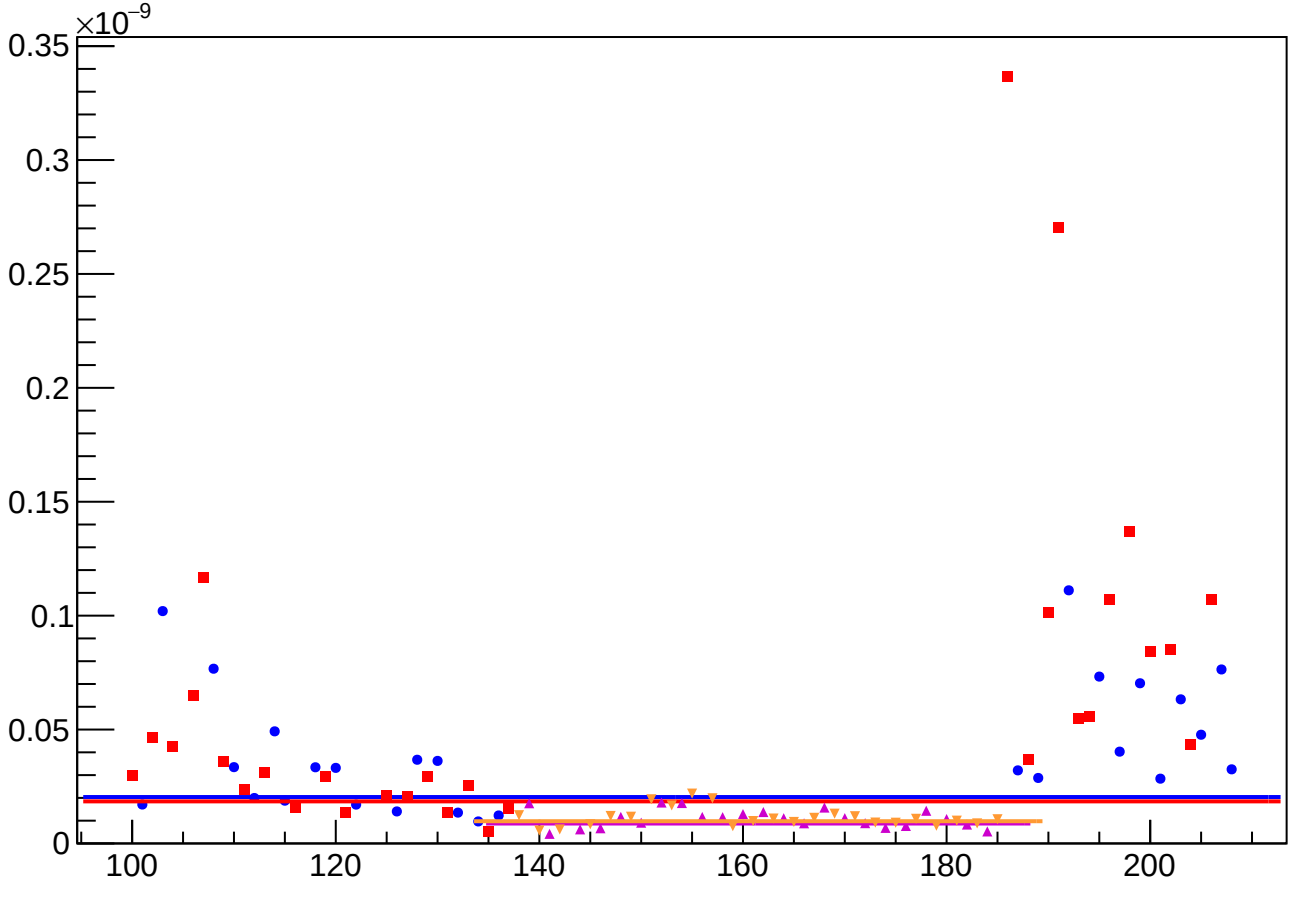
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 55.0/56

In: 0.000+/-0.000 χ^2/NDF:48.1/49

Out: 0.000+/-0.000 χ^2/NDF:51.2/53

All: 0.000+/-0.000 χ^2/NDF: 99.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 4298373.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7040184.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

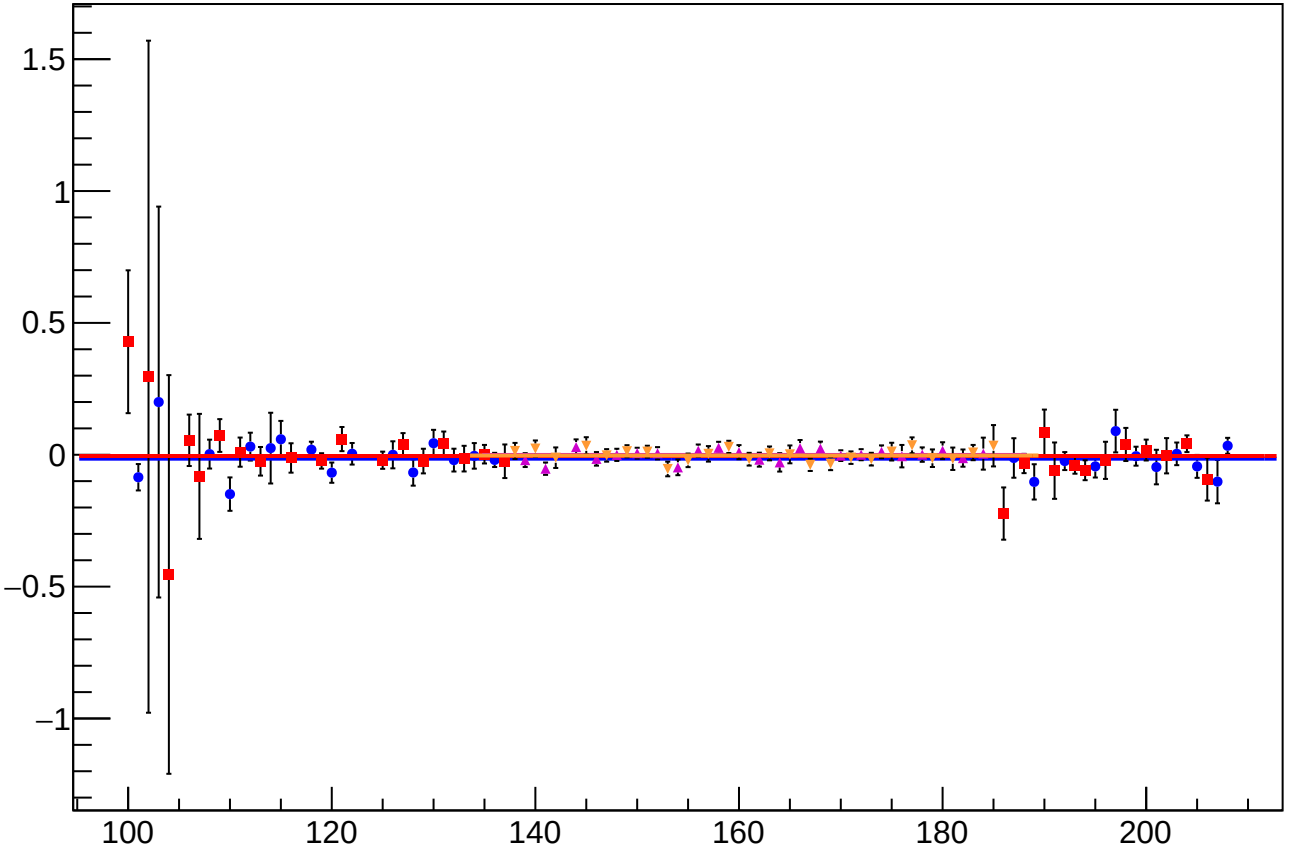
Right: 0.000+/-0.000 χ^2/NDF: 11374365.6/56

In: 0.000+/-0.000 χ^2/NDF:8581157.3/49

Out: 0.000+/-0.000 χ^2/NDF:9705282.7/53

All: 0.000+/-0.000 χ^2/NDF: 18334078.2/103

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

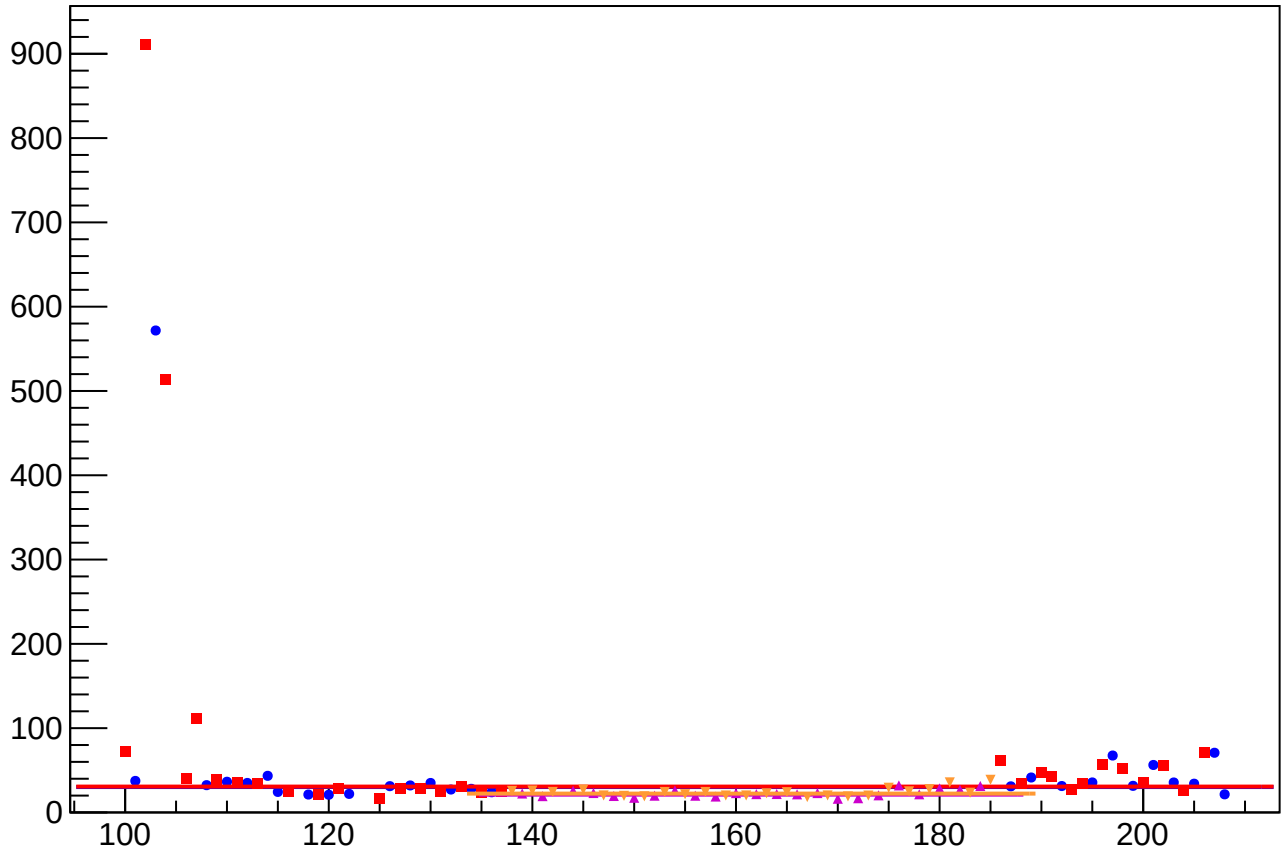
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.010+/-0.006 χ^2/NDF: 48.3/56

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 80.8/103



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

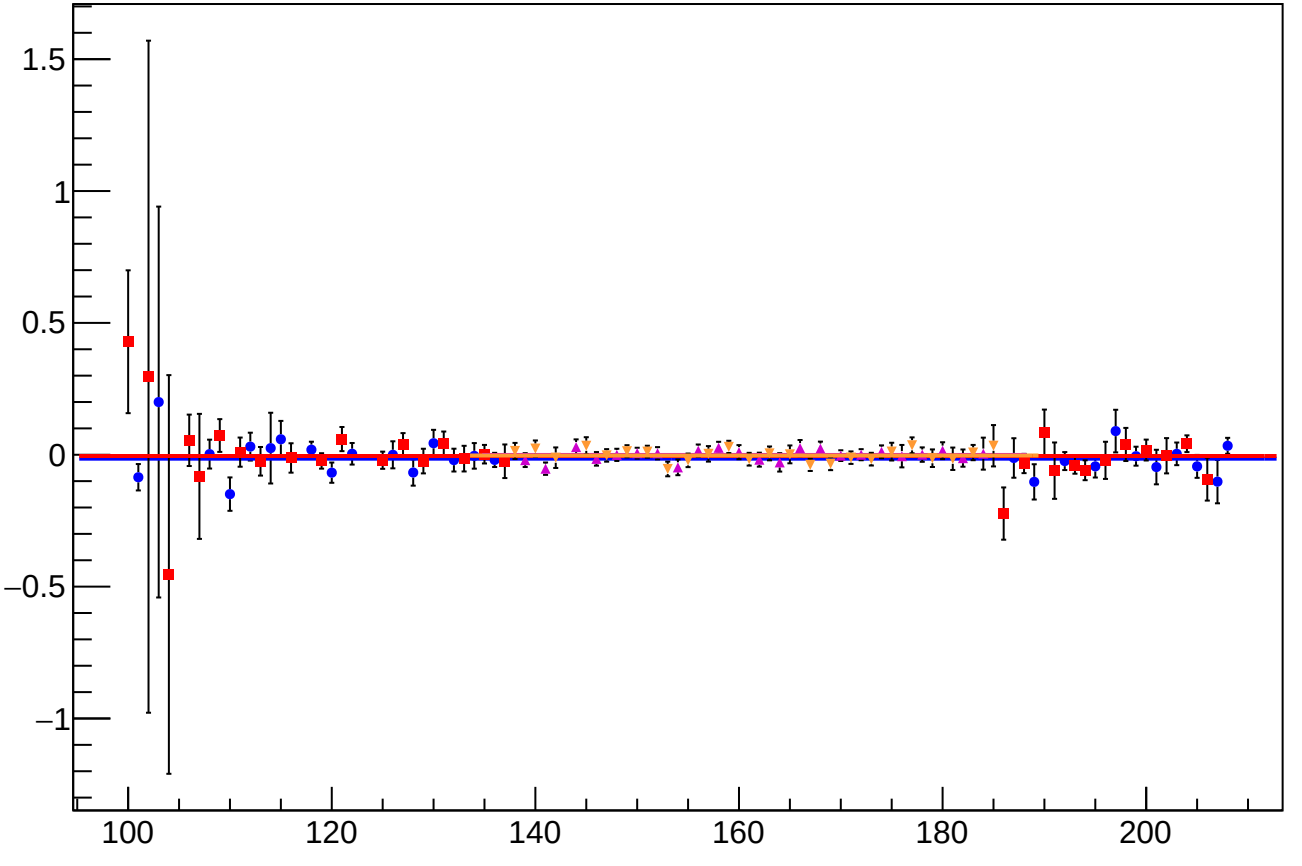
Right: 30.407+/-0.004 χ^2/NDF: 7831578.6/56

In: 23.600+/-0.003 χ^2/NDF:5569265.7/49

Out: 24.696+/-0.003 χ^2/NDF:6615183.7/53

All: 24.128+/-0.002 χ^2/NDF: 12238089.4/103

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

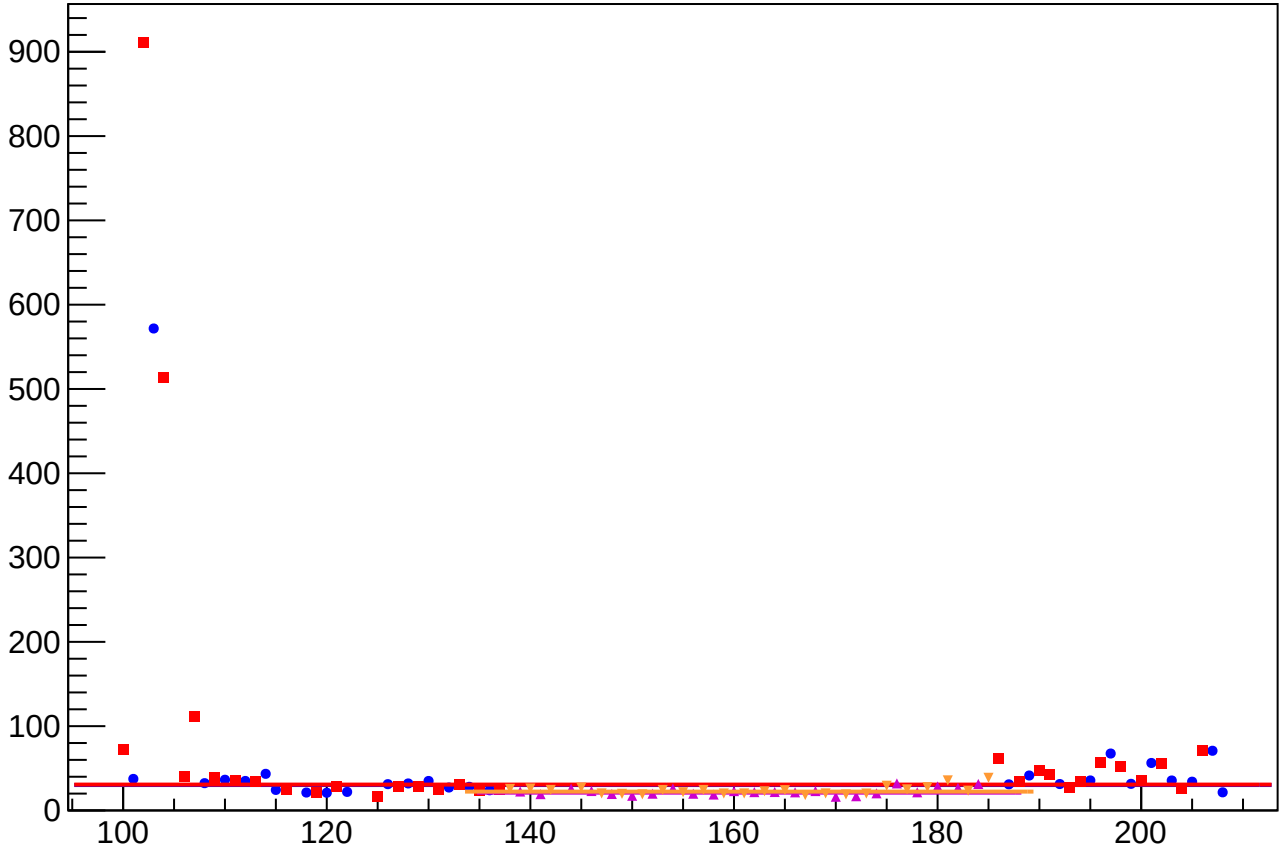
Right: -0.010+/-0.006 χ^2/NDF: 48.3/56

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 80.8/103

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

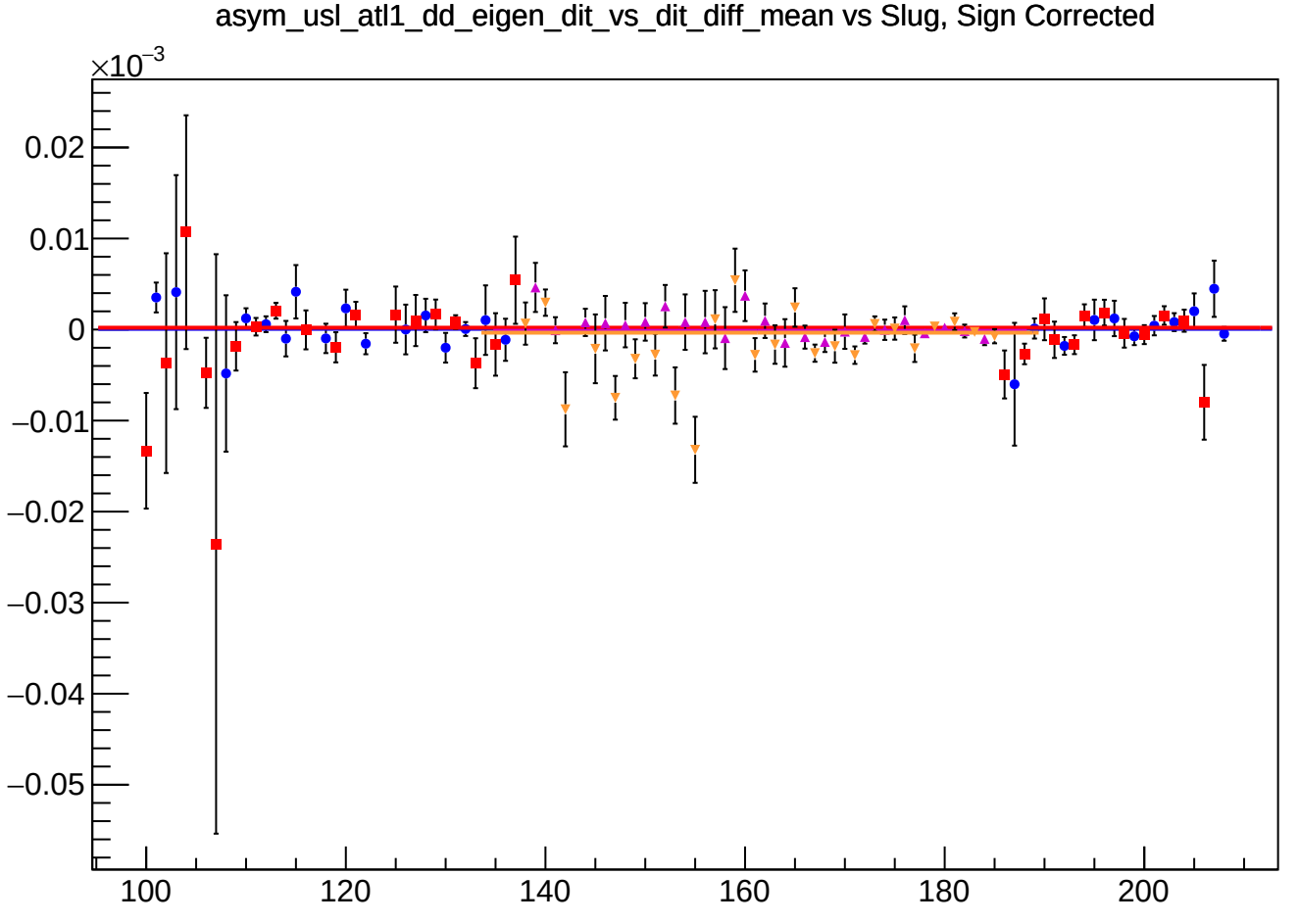
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.407+/-0.004 χ^2/NDF: 7831578.6/56

In: 23.600+/-0.003 χ^2/NDF:5569265.7/49

Out: 24.696+/-0.003 χ^2/NDF:6615183.7/53

All: 24.128+/-0.002 χ^2/NDF: 12238089.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.0/29

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

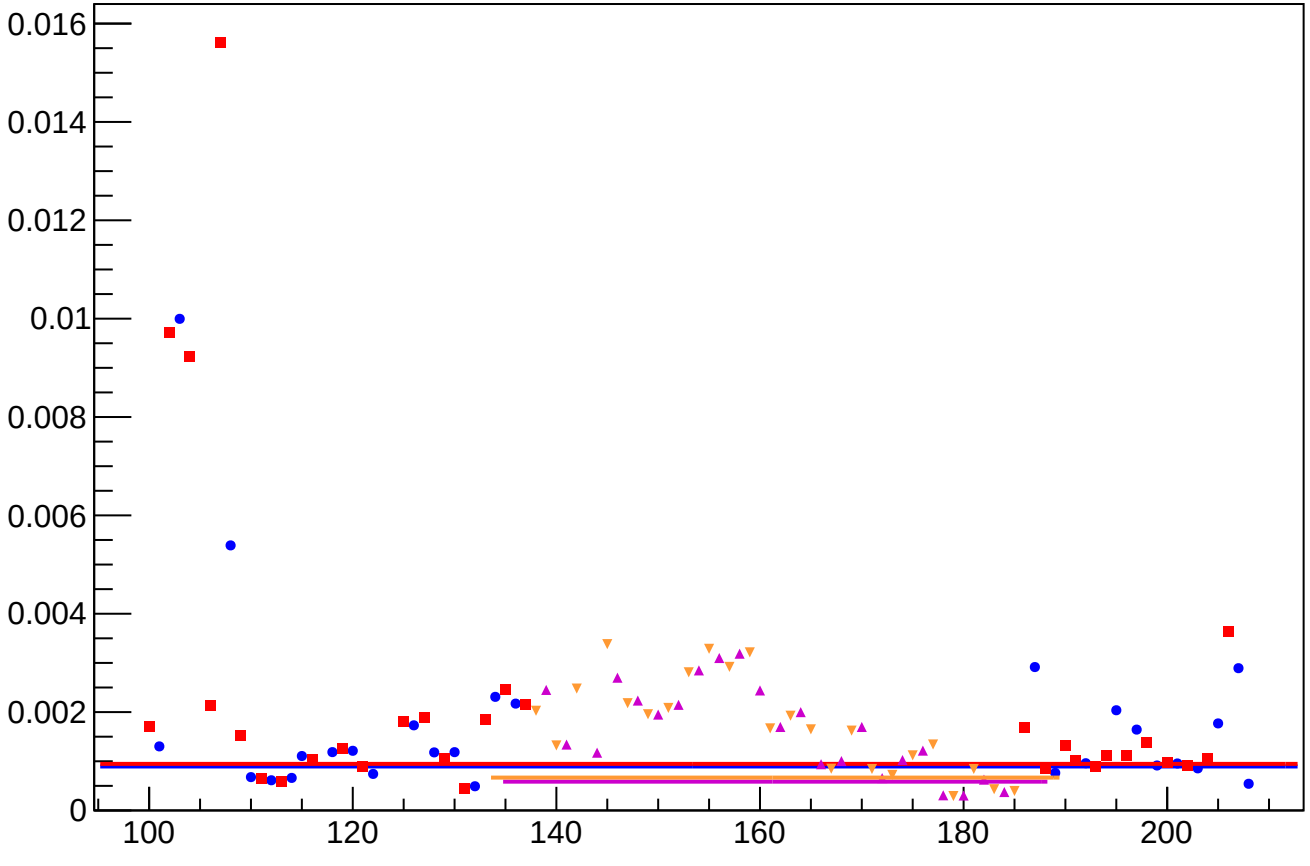
Right: 0.000+/-0.000 χ^2/NDF: 68.8/56

In: -0.000+/-0.000 χ^2/NDF:39.4/49

Out: -0.000+/-0.000 χ^2/NDF:114.6/53

All: -0.000+/-0.000 χ^2/NDF: 154.1/103

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6612322.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6505801.9/29

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

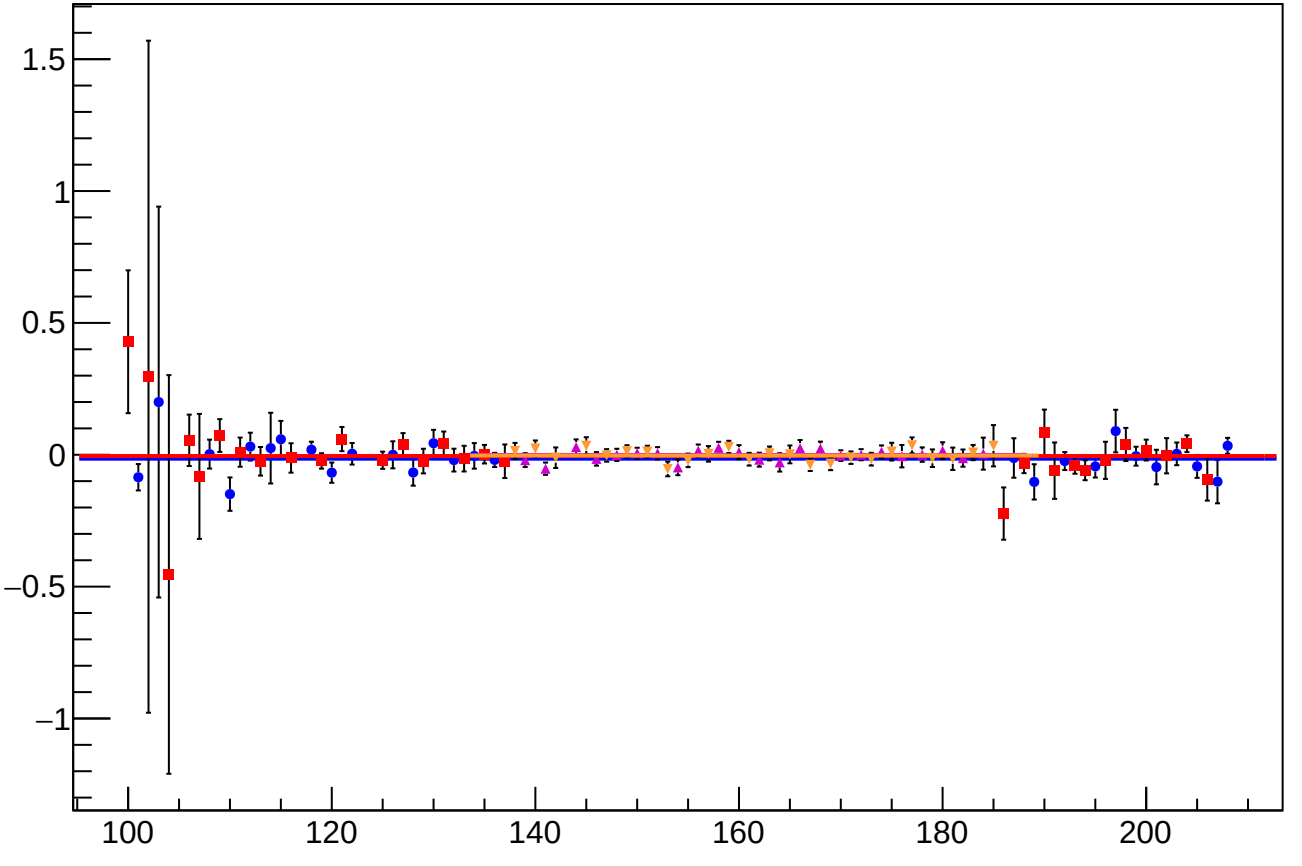
Right: 0.001+/-0.000 χ^2/NDF: 13155869.4/56

In: 0.001+/-0.000 χ^2/NDF:24101611.4/49

Out: 0.001+/-0.000 χ^2/NDF:23169302.2/53

All: 0.001+/-0.000 χ^2/NDF: 47497321.0/103

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

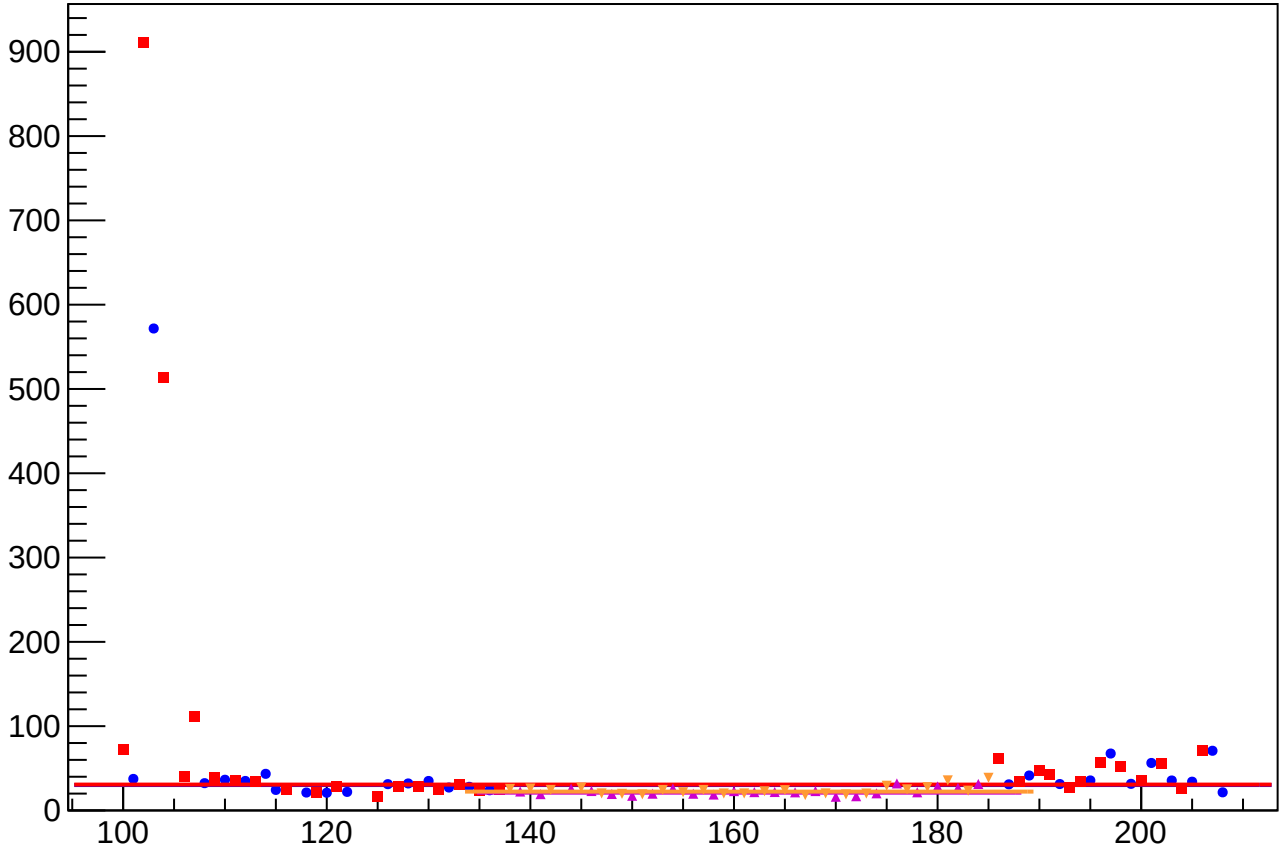
Right: -0.010+/-0.006 χ^2/NDF: 48.3/56

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 80.8/103

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

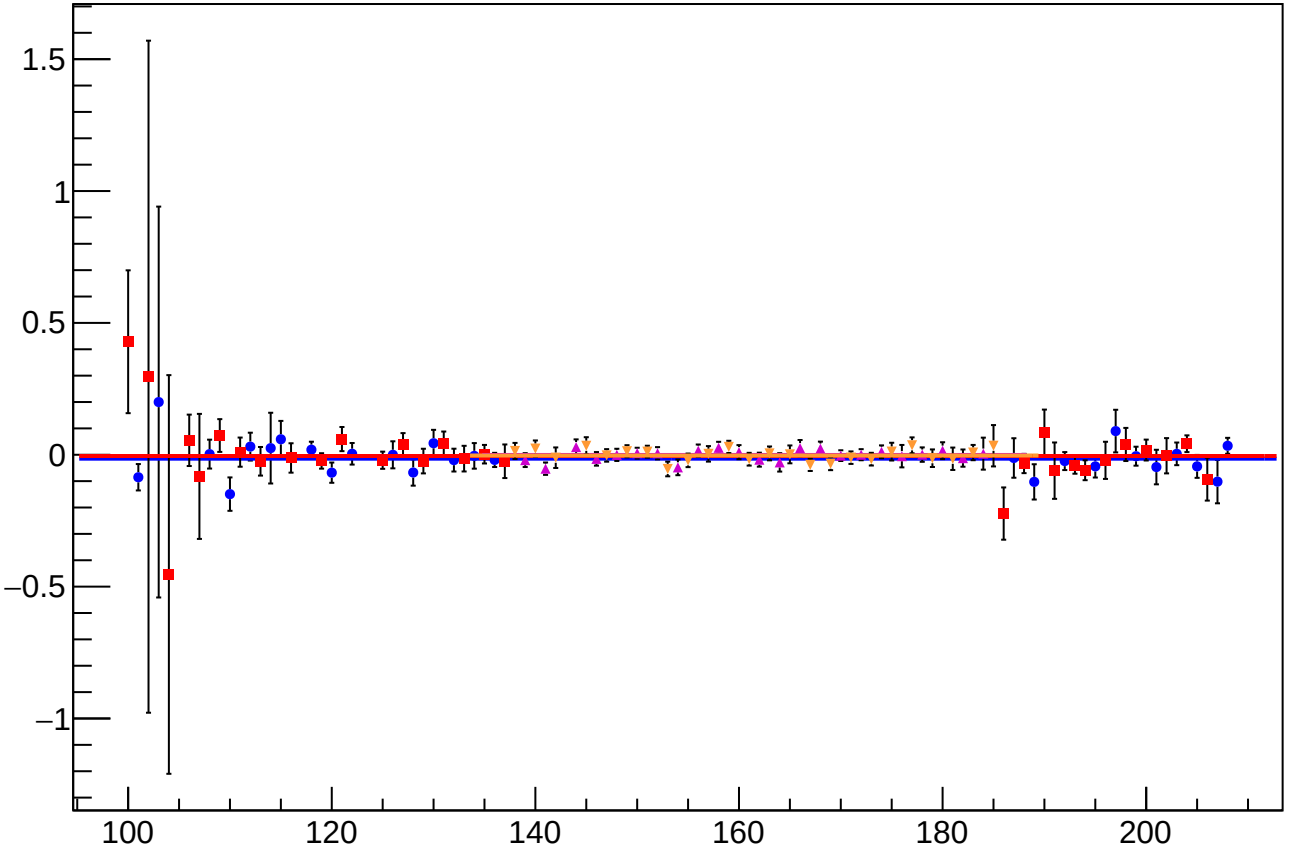
Right: 30.407+/-0.004 χ^2/NDF: 7831694.2/56

In: 23.599+/-0.003 χ^2/NDF:5569338.0/49

Out: 24.696+/-0.003 χ^2/NDF:6615238.3/53

All: 24.128+/-0.002 χ^2/NDF: 12238215.2/103

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

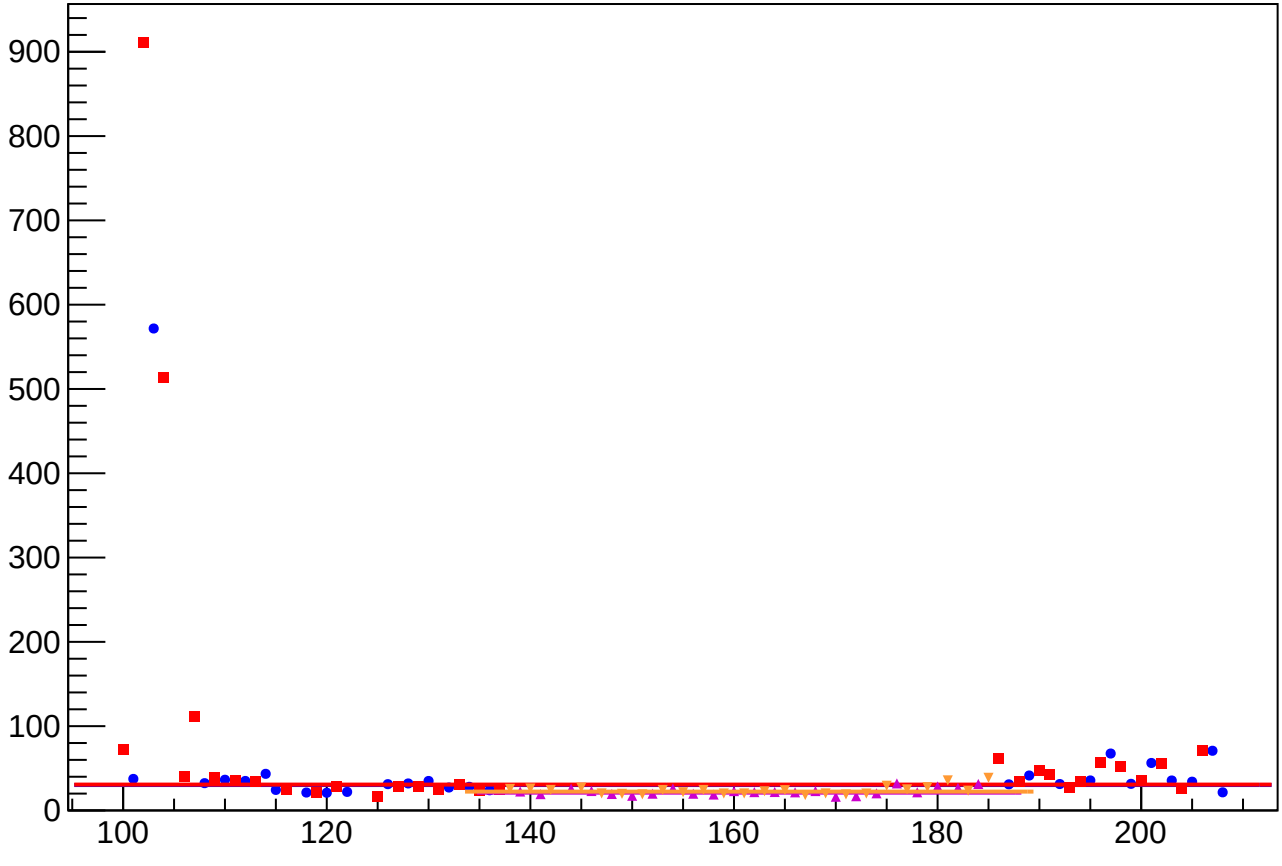
Right: -0.010+/-0.006 χ^2/NDF: 48.3/56

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 80.8/103

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

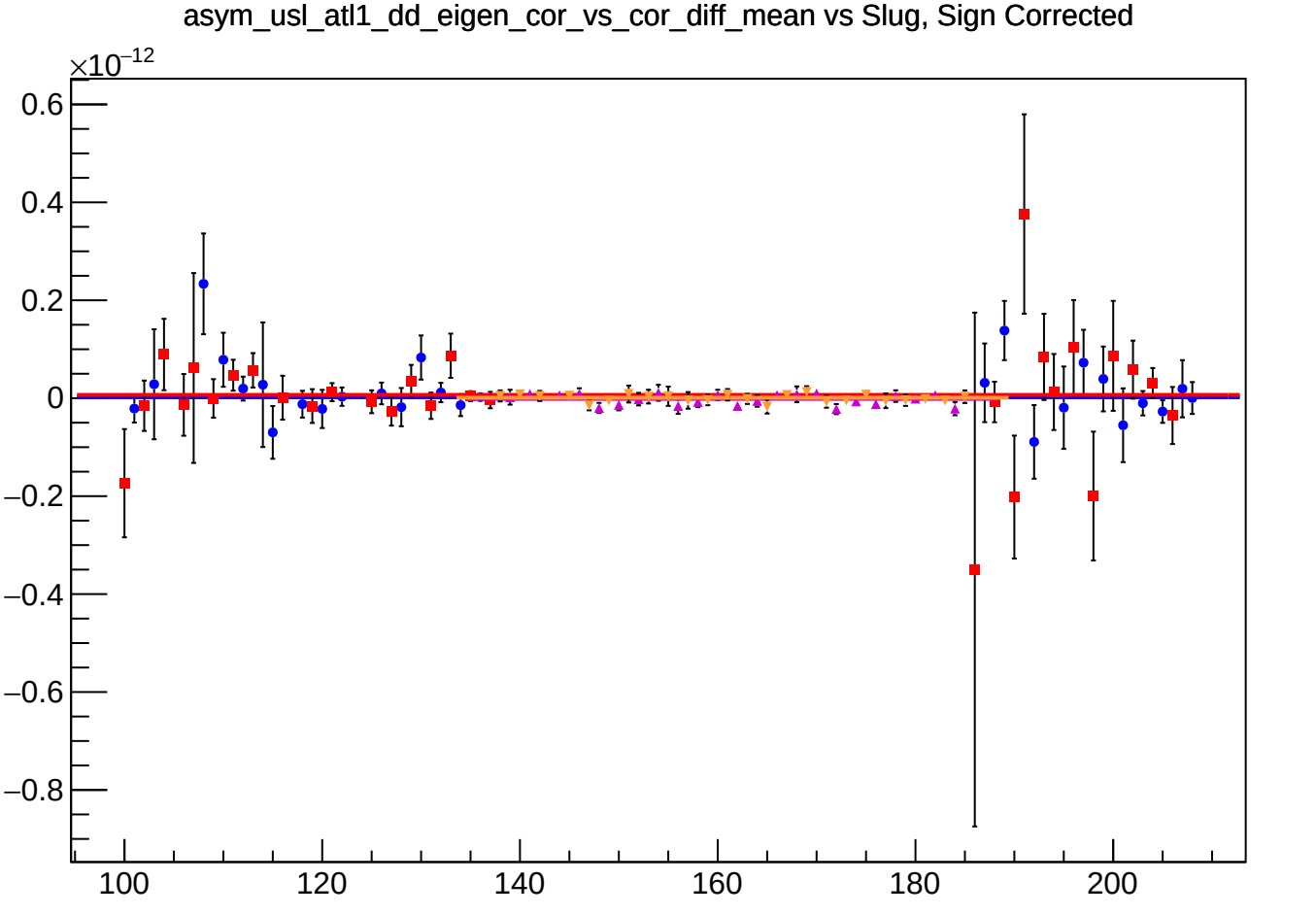
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.407+/-0.004 χ^2/NDF: 7831694.2/56

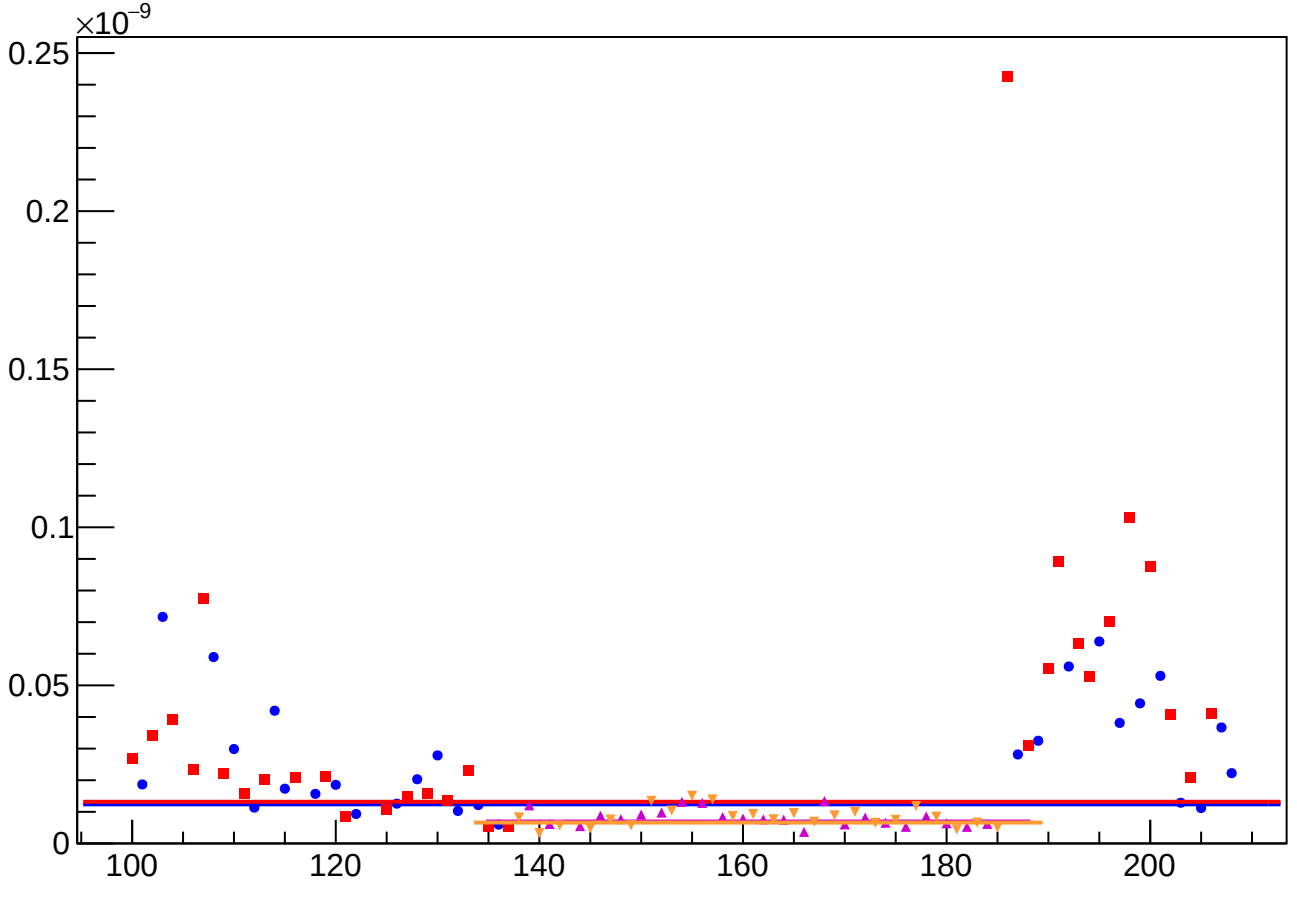
In: 23.599+/-0.003 χ^2/NDF:5569338.0/49

Out: 24.696+/-0.003 χ^2/NDF:6615238.3/53

All: 24.128+/-0.002 χ^2/NDF: 12238215.2/103


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.8/26
Left Out: 0.000+/-0.000 χ²/NDF:11.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 28.6/29
Left In: -0.000+/-0.000 χ²/NDF:25.8/22
Left: -0.000+/-0.000 χ²/NDF: 38.0/46
Right: 0.000+/-0.000 χ²/NDF: 54.7/56
In: -0.000+/-0.000 χ²/NDF:51.9/49
Out: 0.000+/-0.000 χ²/NDF:41.1/53
All: 0.000+/-0.000 χ²/NDF: 93.8/103

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6616163.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9101616.1/29

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

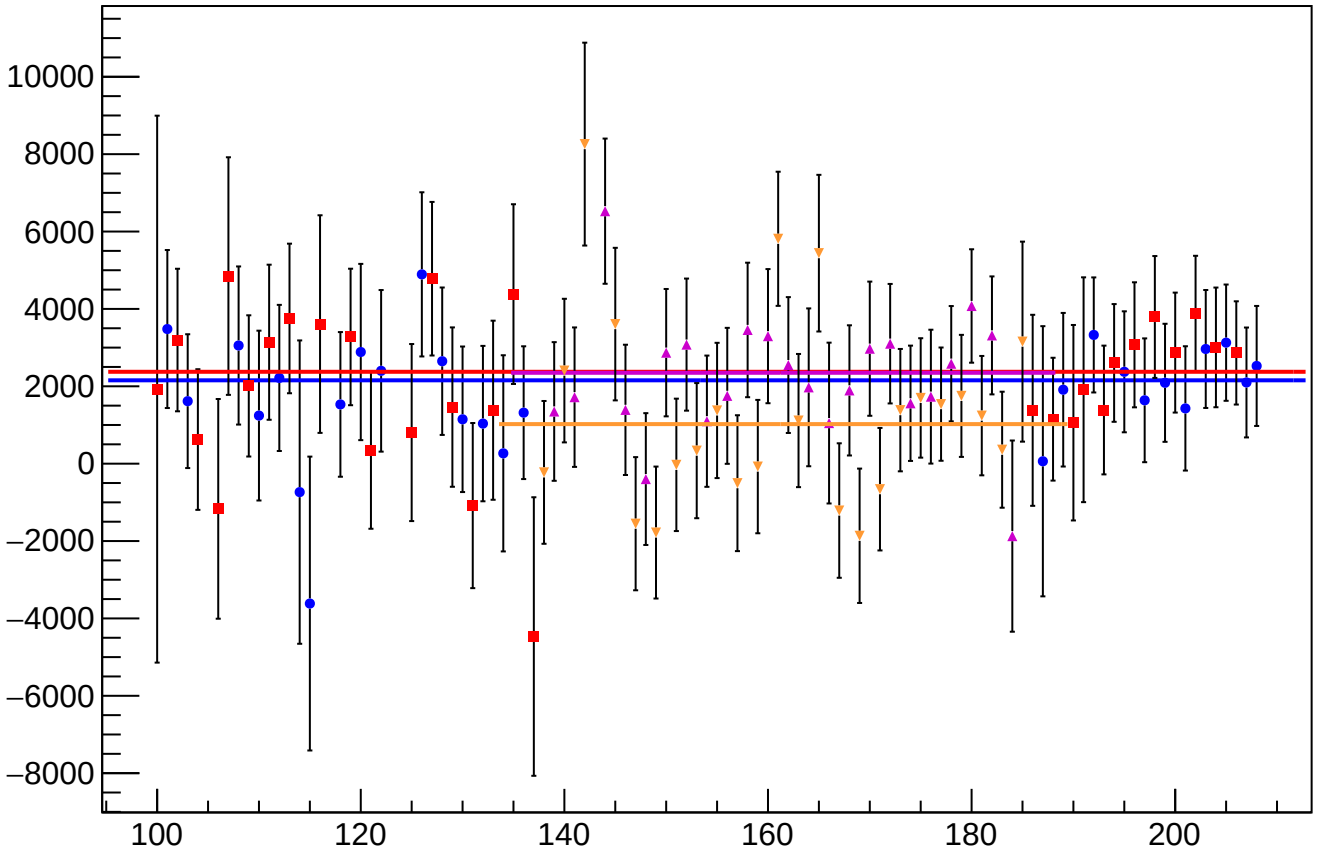
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 15738656.2/56

In: 0.000+/-0.000 χ^2/NDF:10805723.0/49

Out: 0.000+/-0.000 χ^2/NDF:14862820.2/53

All: 0.000+/-0.000 χ^2/NDF: 25703298.6/103



Right In: 2154.462+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2375.005+/-354.462 χ^2/NDF: 18.6/29

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

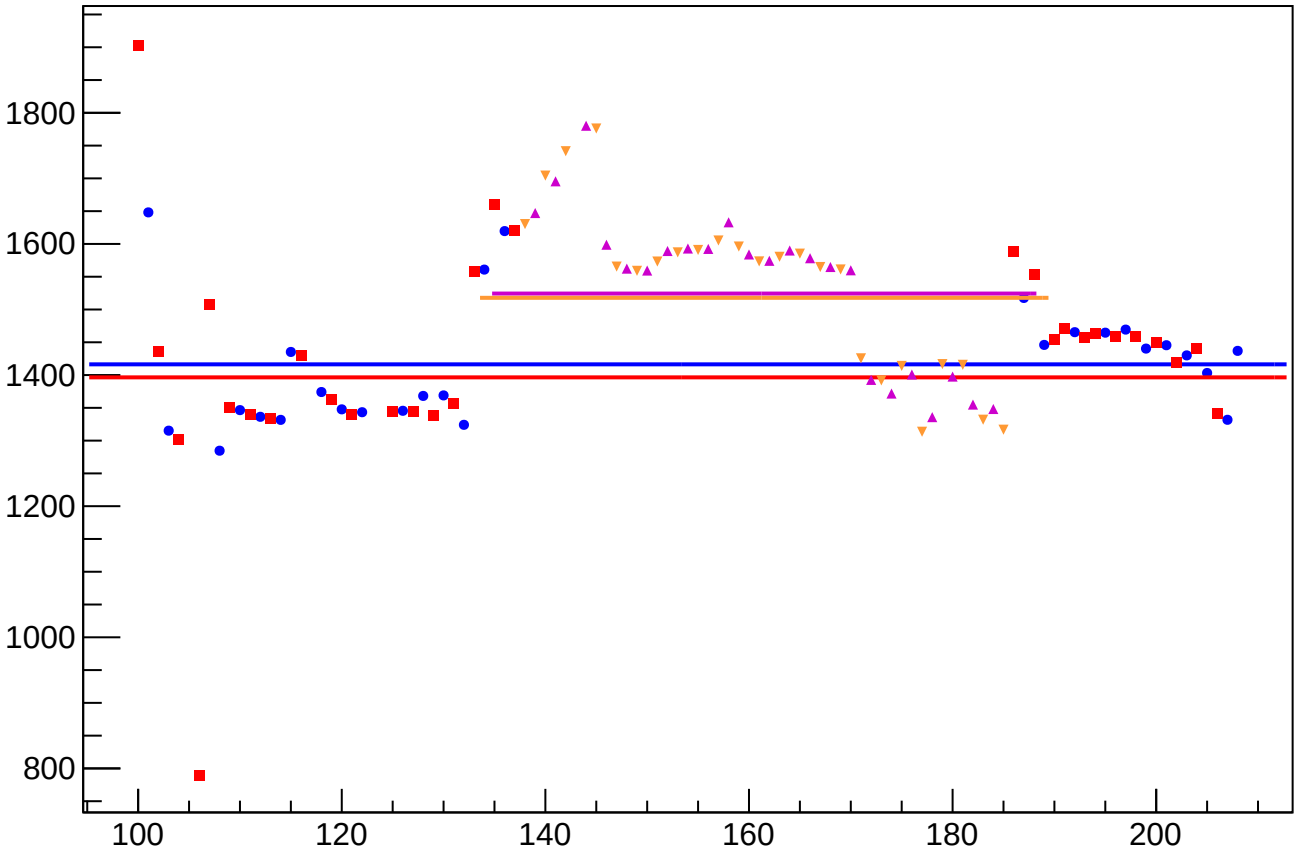
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2265.446+/-251.451 χ^2/NDF: 28.0/56

In: 2251.742+/-252.377 χ^2/NDF:25.3/49

Out: 1696.887+/-250.287 χ^2/NDF:62.4/53

All: 1972.008+/-177.714 χ^2/NDF: 90.1/103



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1396.488+/-0.247 χ^2/NDF: 399241.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

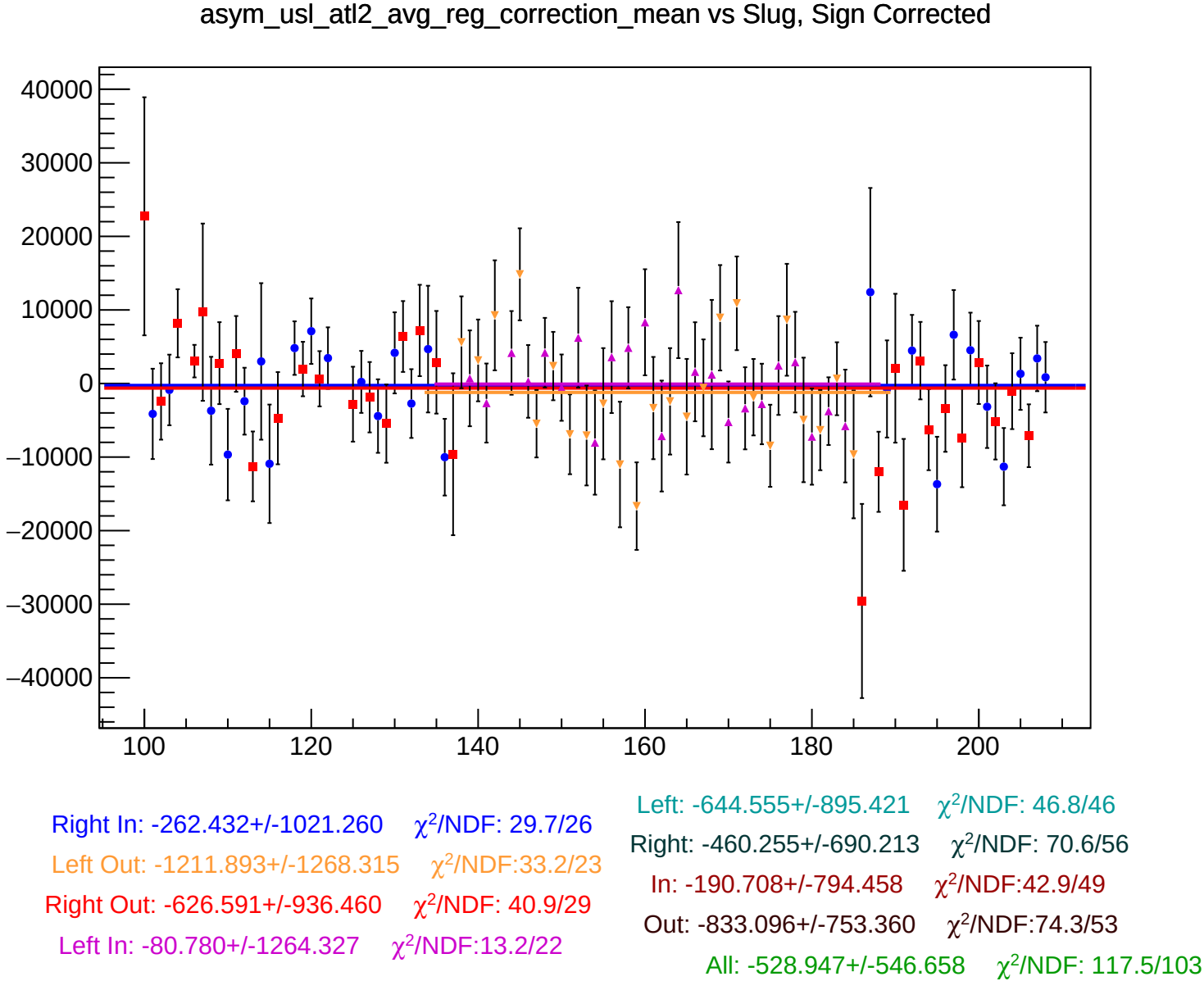
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

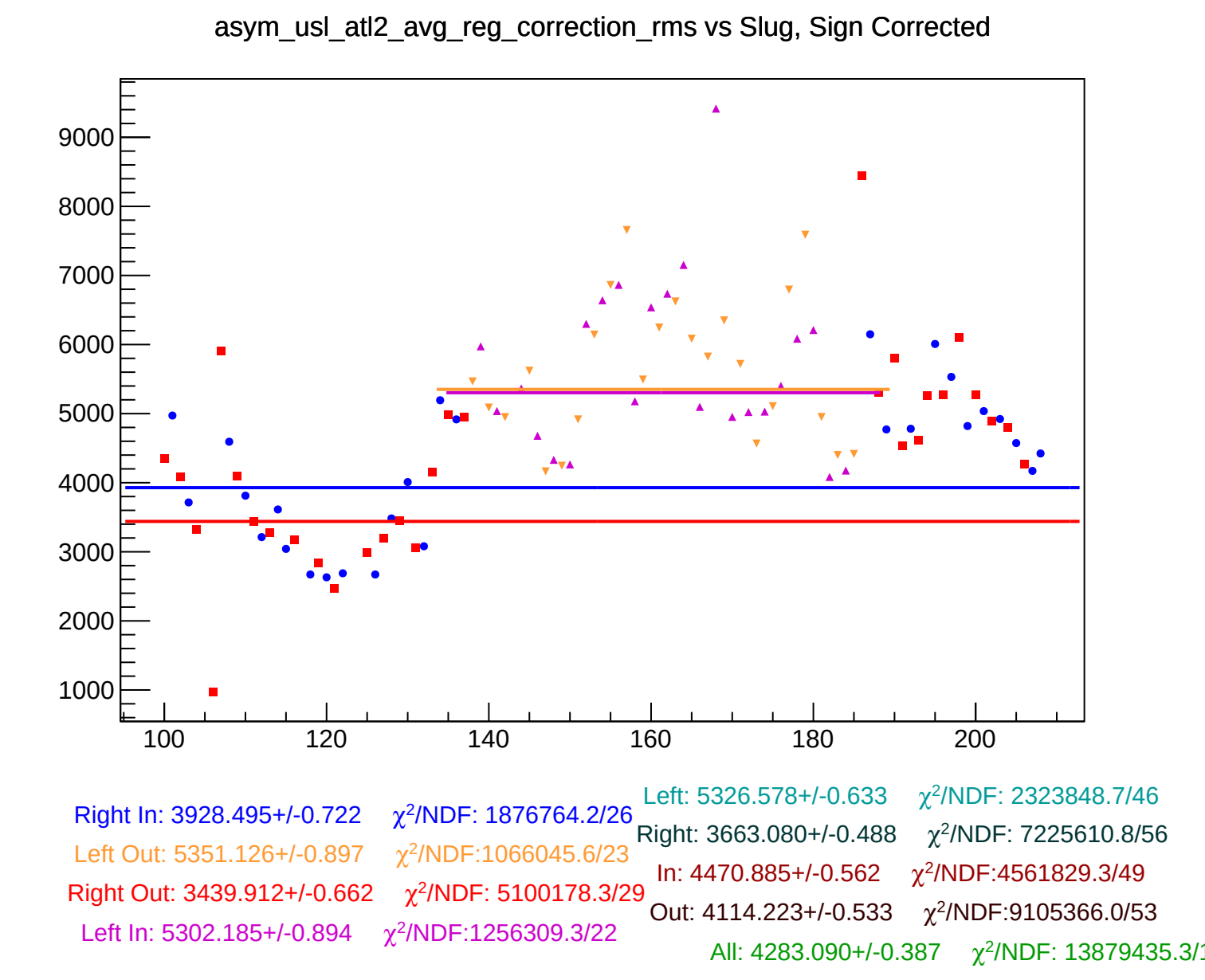
Right: 1406.209+/-0.176 χ^2/NDF: 516081.2/56

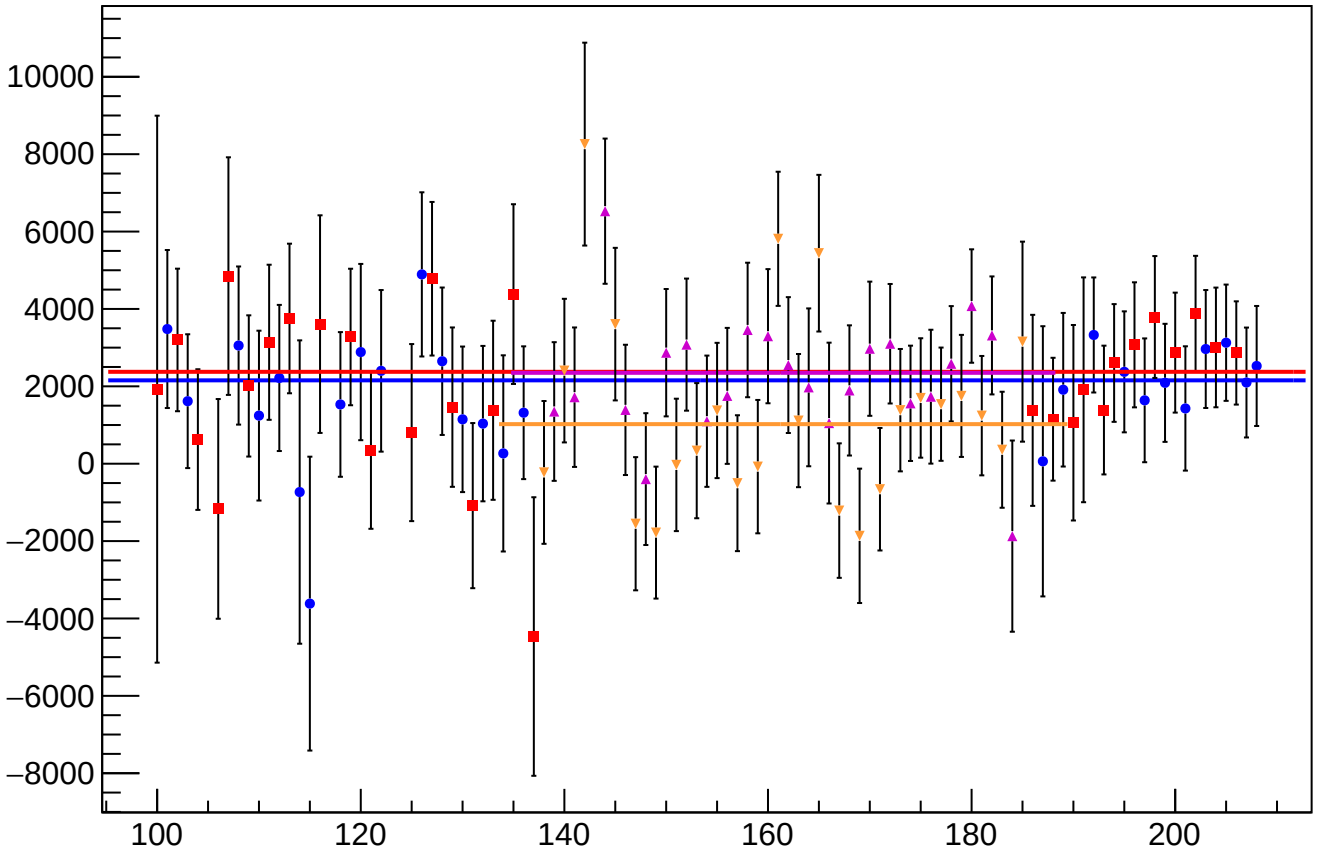
In: 1470.289+/-0.178 χ^2/NDF:429482.5/49

Out: 1456.411+/-0.176 χ^2/NDF:752463.6/53

All: 1463.240+/-0.125 χ^2/NDF: 1185018.0/10


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -262.432+/-1021.260 χ²/NDF: 29.7/26
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: -626.591+/-936.460 χ²/NDF: 40.9/29
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: -460.255+/-690.213 χ²/NDF: 70.6/56
In: -190.708+/-794.458 χ²/NDF:42.9/49
Out: -833.096+/-753.360 χ²/NDF:74.3/53
All: -528.947+/-546.658 χ²/NDF: 117.5/103


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3928.495+/-0.722 χ²/NDF: 1876764.2/26
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3439.912+/-0.662 χ²/NDF: 5100178.3/29
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3663.080+/-0.488 χ²/NDF: 7225610.8/56
In: 4470.885+/-0.562 χ²/NDF:4561829.3/49
Out: 4114.223+/-0.533 χ²/NDF:9105366.0/53
All: 4283.090+/-0.387 χ²/NDF: 13879435.3/1



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2375.077+/-354.463 χ^2/NDF: 18.6/29

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

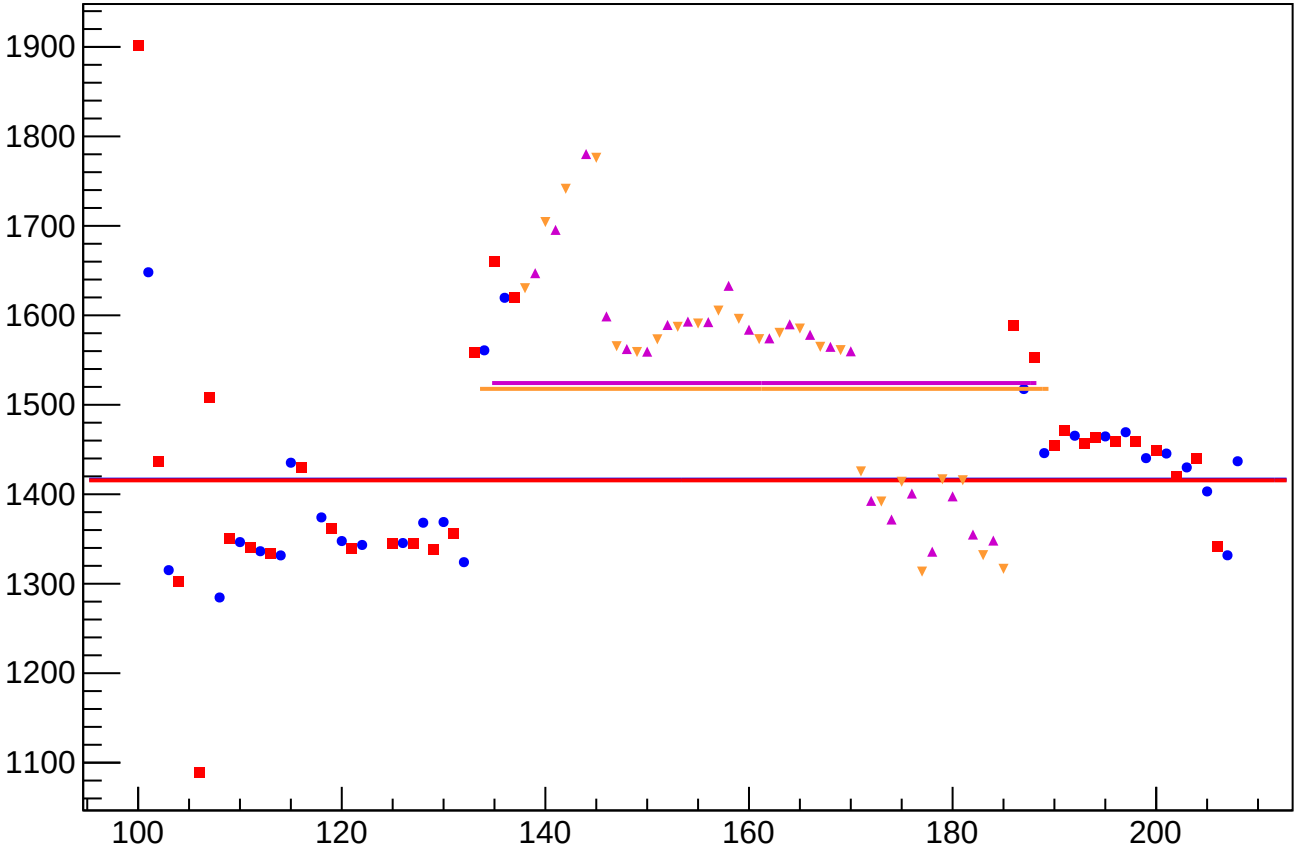
Right: 2265.473+/-251.452 χ^2/NDF: 28.0/56

In: 2251.731+/-252.377 χ^2/NDF:25.3/49

Out: 1696.937+/-250.288 χ^2/NDF:62.4/53

All: 1972.028+/-177.714 χ^2/NDF: 90.1/103

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

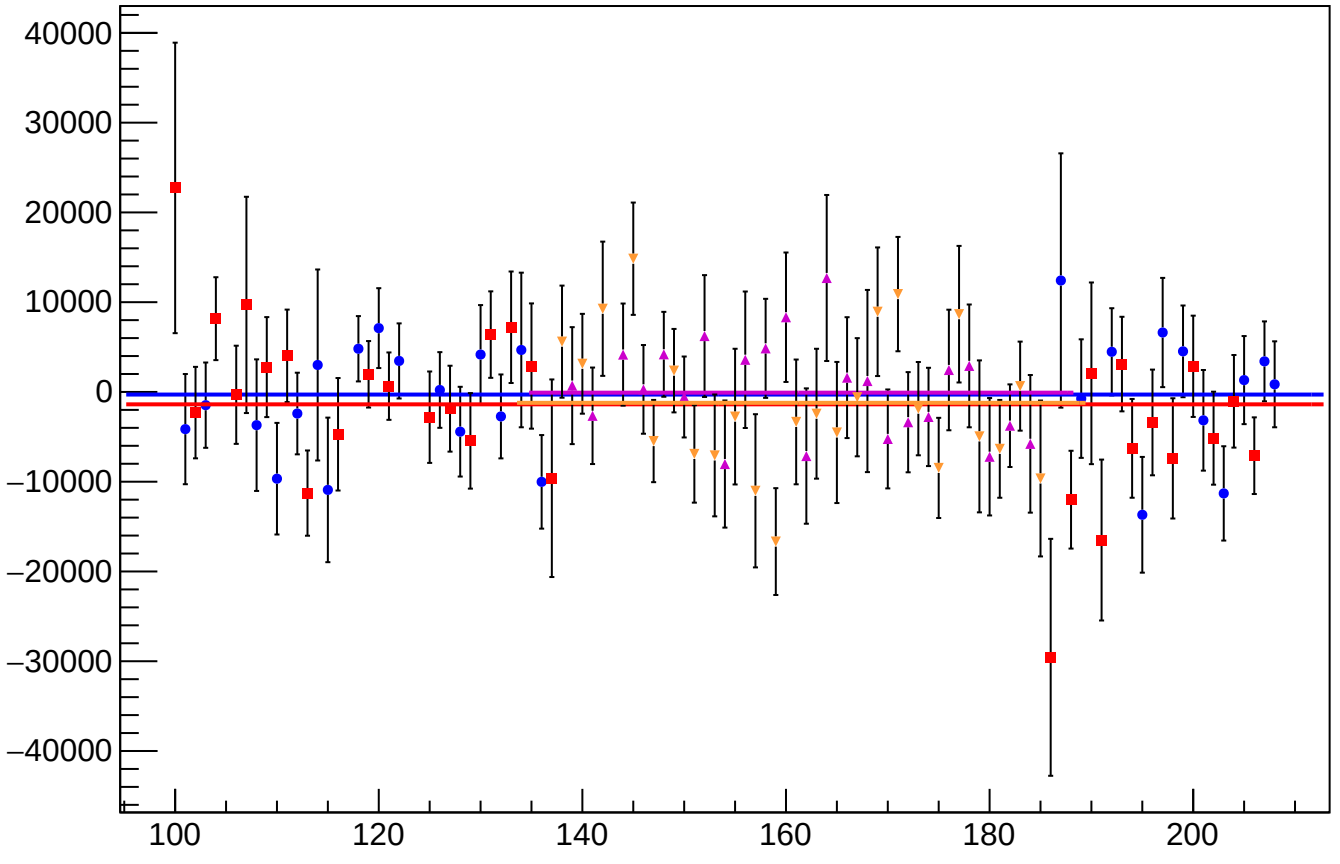
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1415.954+/-0.177 χ^2/NDF: 279338.8/56

In: 1470.289+/-0.178 χ^2/NDF:429482.6/49

Out: 1466.512+/-0.176 χ^2/NDF:483600.9/53

All: 1468.379+/-0.125 χ^2/NDF: 913310.0/103



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1380.885+/-1014.550 χ^2/NDF: 37.6/29

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

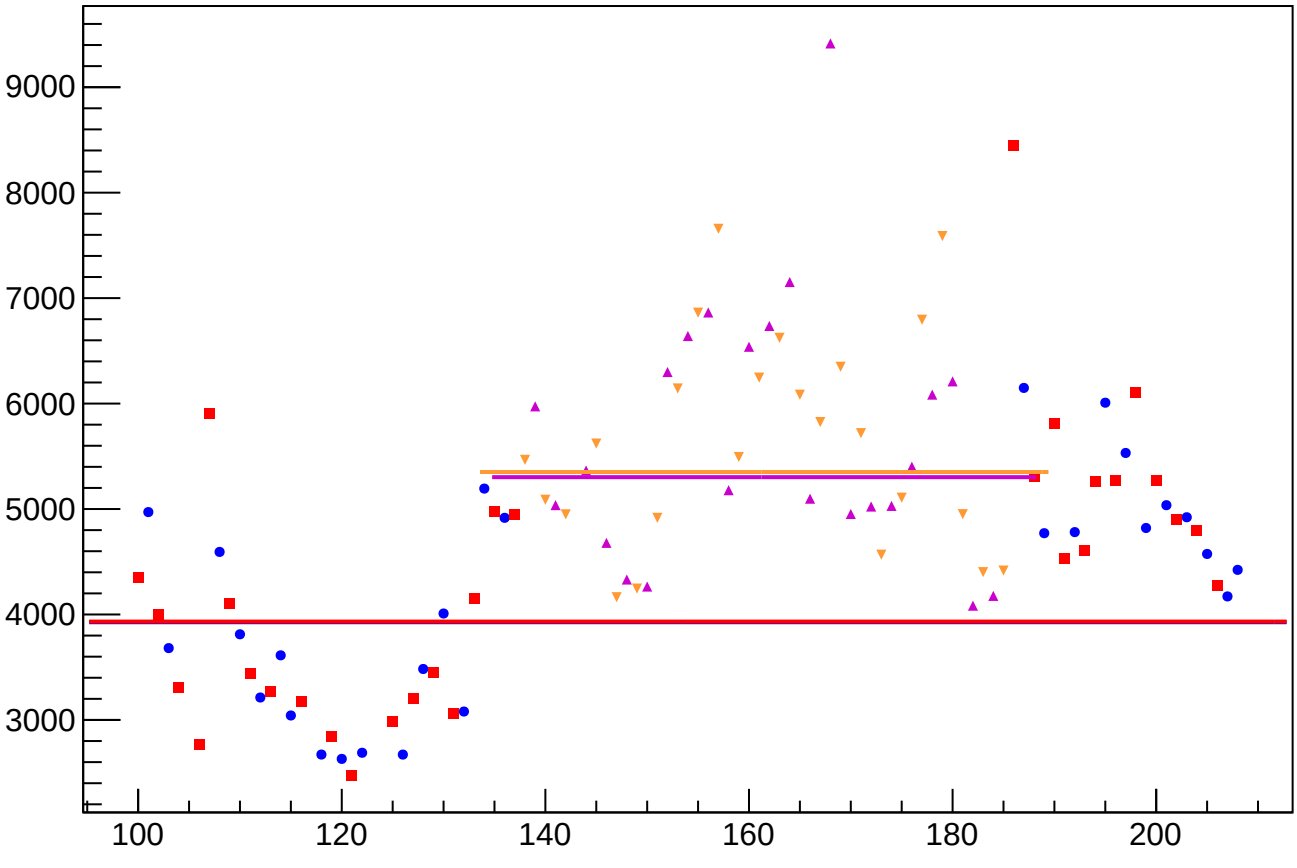
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -839.195+/-719.587 χ^2/NDF: 67.9/56

In: -207.908+/-794.230 χ^2/NDF:43.0/49

Out: -1314.943+/-792.262 χ^2/NDF:70.8/53

All: -762.799+/-560.908 χ^2/NDF: 114.8/103



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

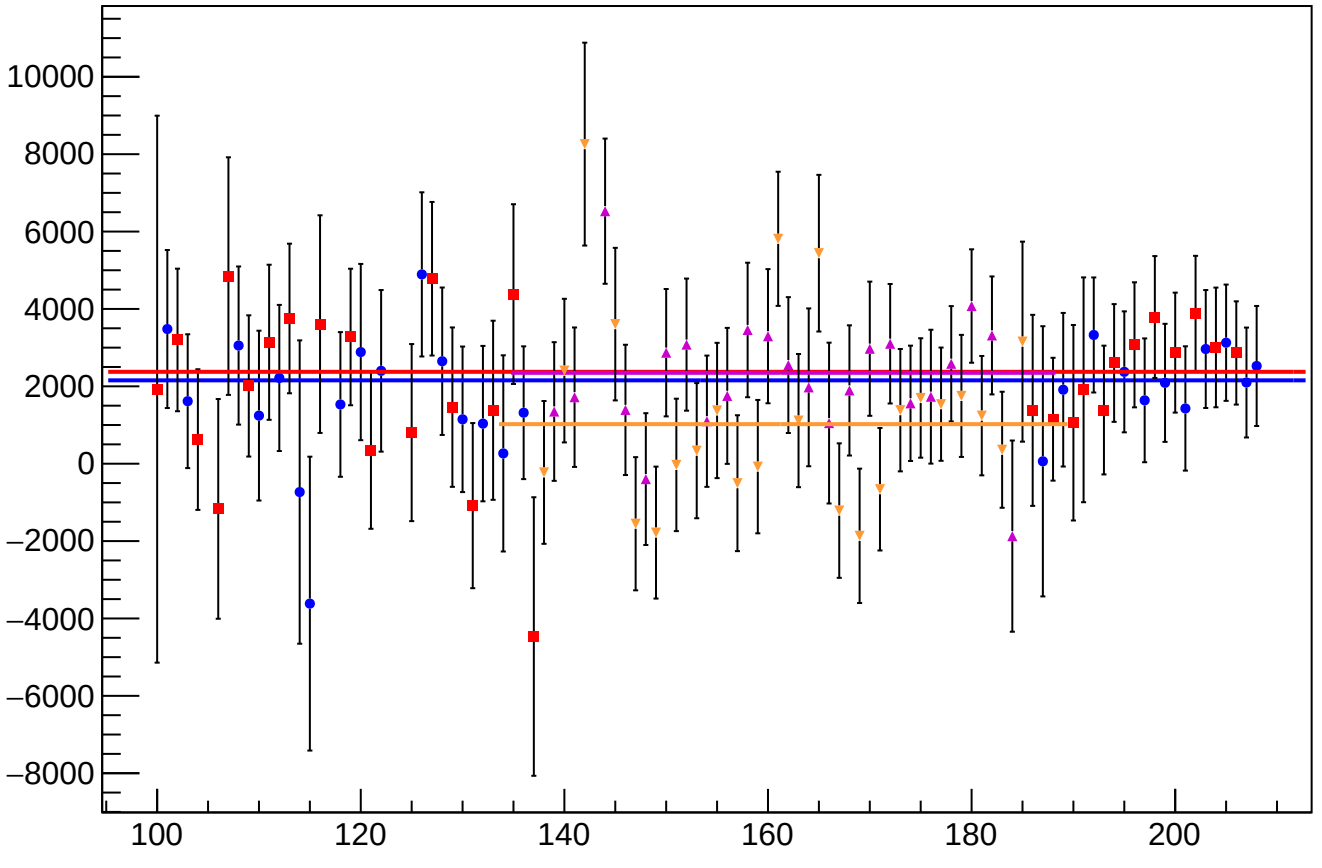
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3929.769+/-0.509 χ^2/NDF: 4039733.0/56

In: 4469.503+/-0.562 χ^2/NDF:4567393.9/49

Out: 4486.210+/-0.560 χ^2/NDF:4752858.0/53

All: 4477.877+/-0.397 χ^2/NDF: 9320695.4/10



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2375.077+/-354.463 χ^2/NDF: 18.6/29

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

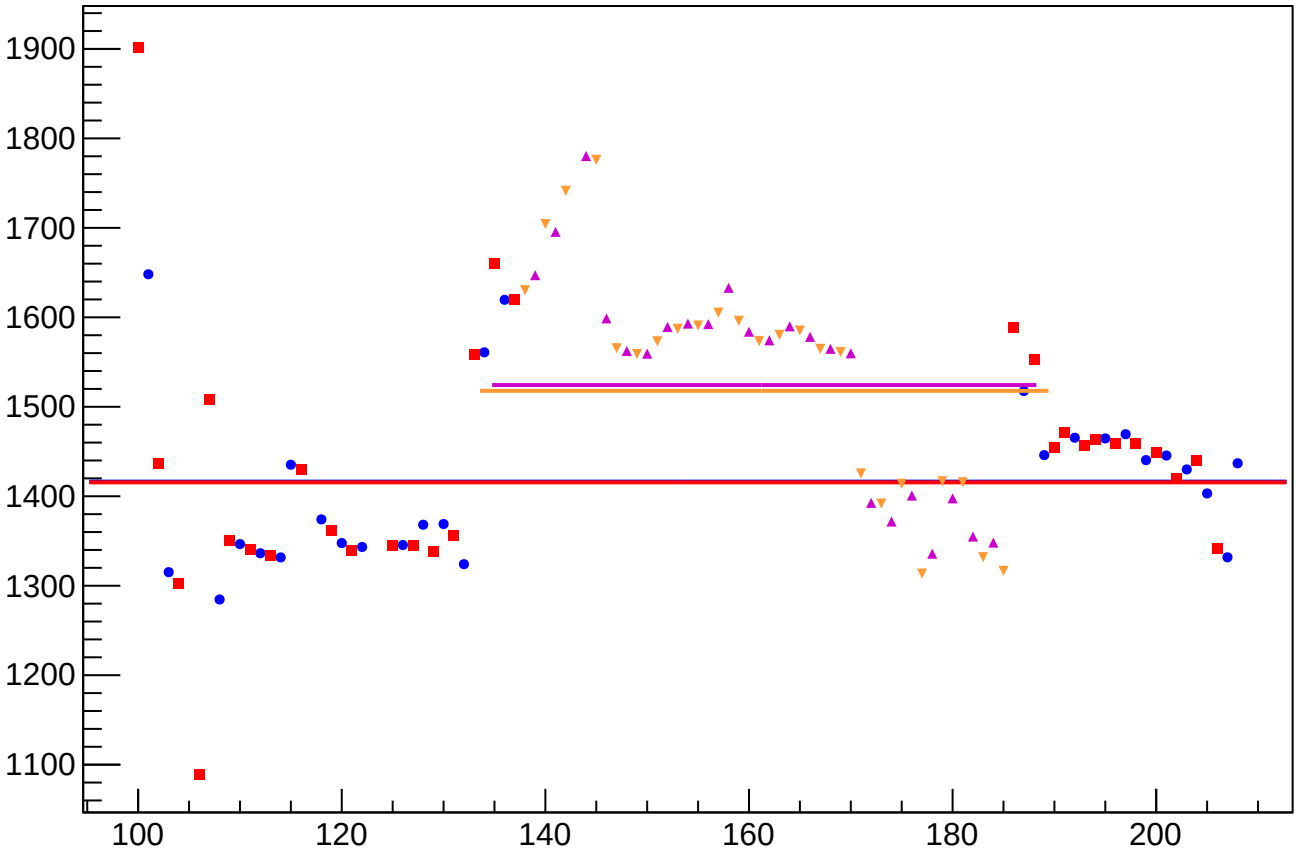
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2265.473+/-251.452 χ^2/NDF: 28.0/56

In: 2251.731+/-252.377 χ^2/NDF:25.3/49

Out: 1696.937+/-250.288 χ^2/NDF:62.4/53

All: 1972.028+/-177.714 χ^2/NDF: 90.1/103



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

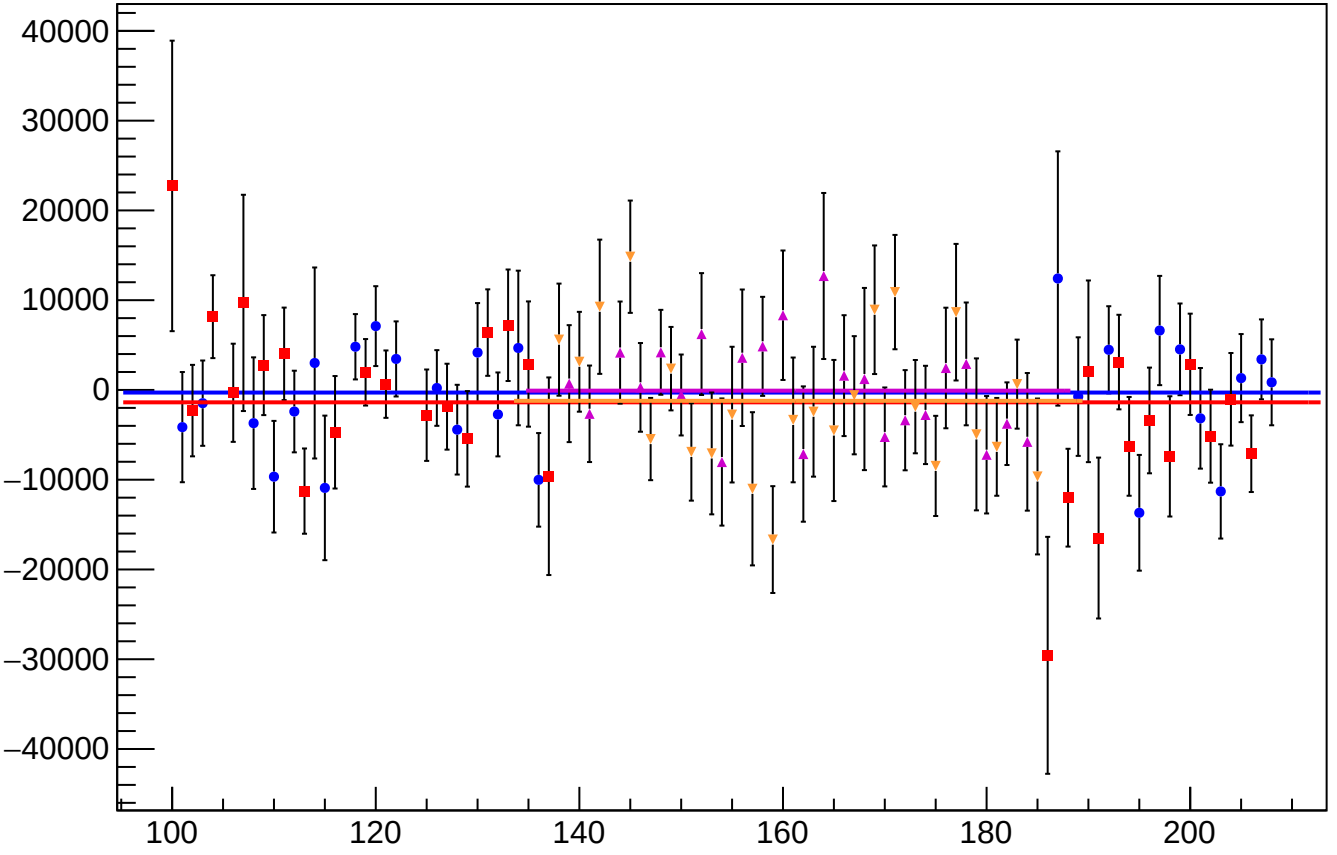
Right: 1415.954+/-0.177 χ^2/NDF: 279338.8/56

In: 1470.289+/-0.178 χ^2/NDF:429482.6/49

Out: 1466.512+/-0.176 χ^2/NDF:483600.9/53

All: 1468.379+/-0.125 χ^2/NDF: 913310.0/103

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1380.885+/-1014.550 χ^2/NDF: 37.6/29

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

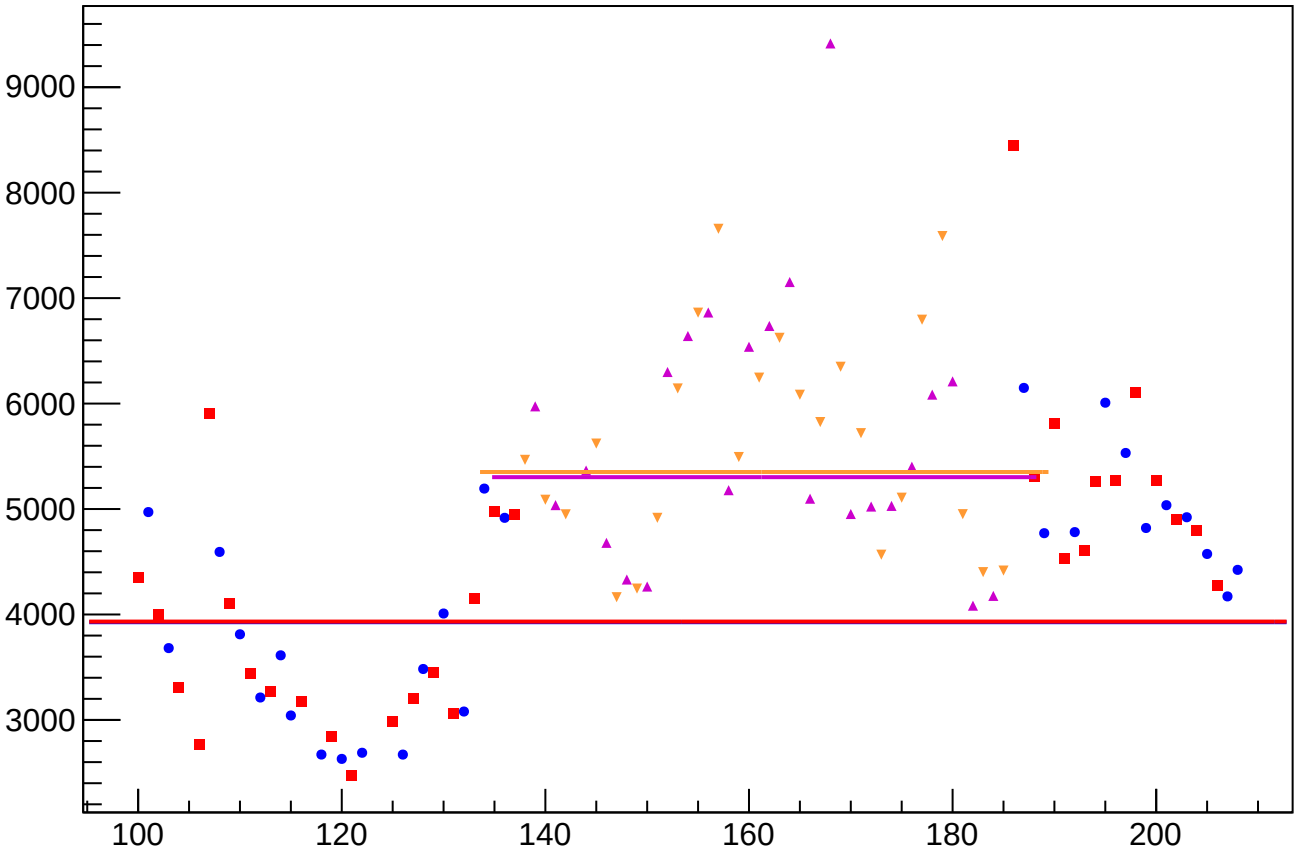
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -839.195+/-719.587 χ^2/NDF: 67.9/56

In: -207.908+/-794.230 χ^2/NDF:43.0/49

Out: -1314.943+/-792.262 χ^2/NDF:70.8/53

All: -762.799+/-560.908 χ^2/NDF: 114.8/103



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

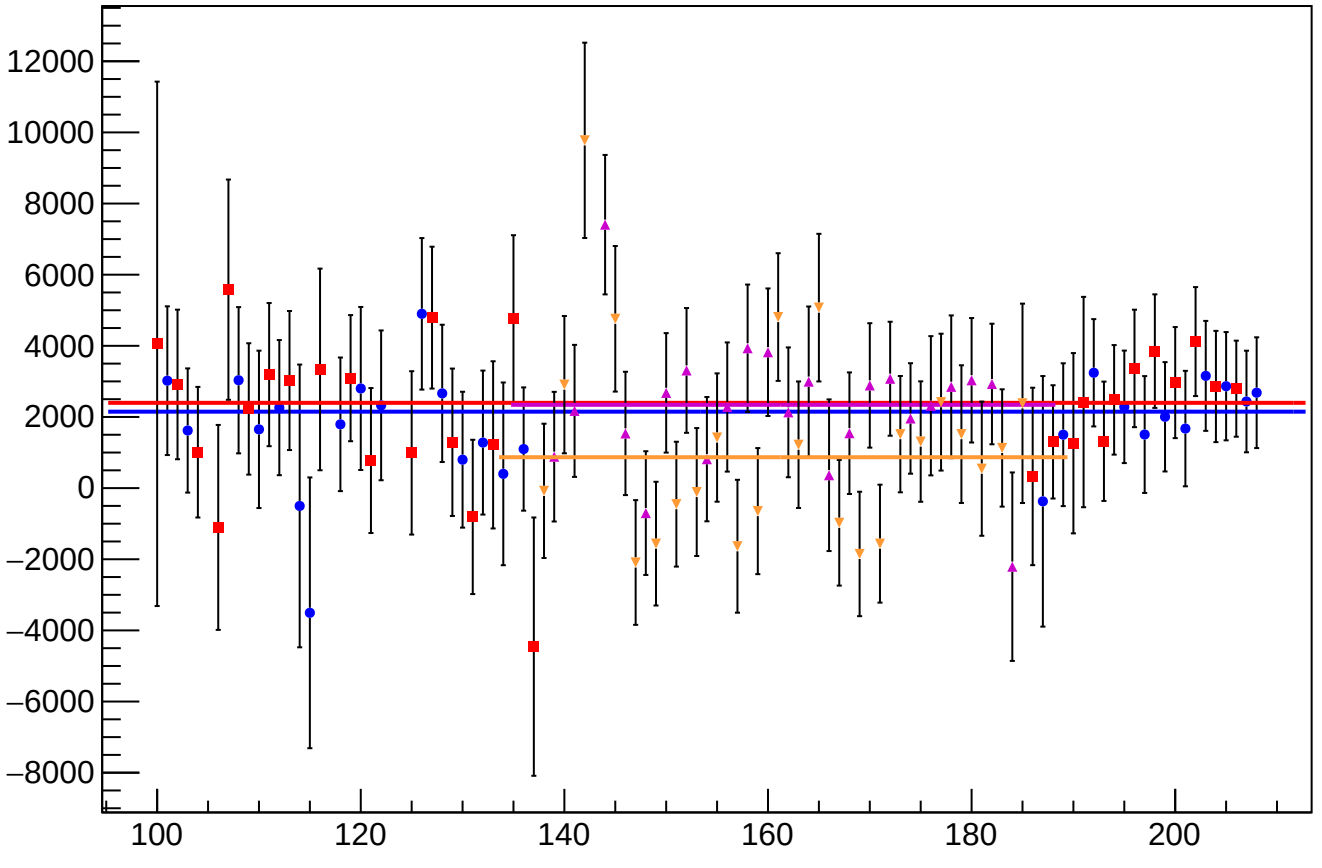
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3929.769+/-0.509 χ^2/NDF: 4039733.0/56

In: 4469.503+/-0.562 χ^2/NDF:4567393.9/49

Out: 4486.210+/-0.560 χ^2/NDF:4752858.0/53

All: 4477.877+/-0.397 χ^2/NDF: 9320695.4/10



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2397.448+/-359.644 χ^2/NDF: 18.0/29

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

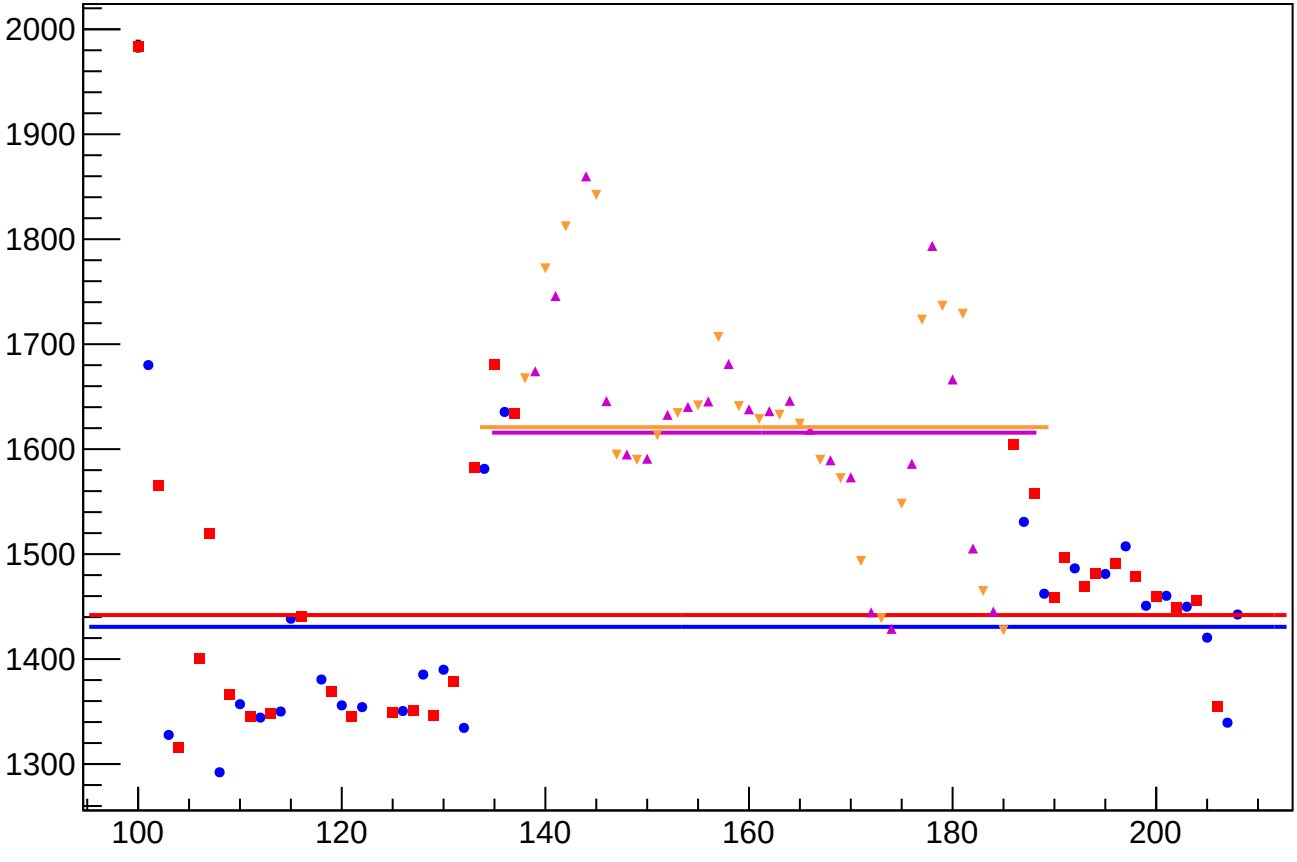
Right: 2273.502+/-254.614 χ^2/NDF: 27.0/56

In: 2241.025+/-260.922 χ^2/NDF:26.9/49

Out: 1669.301+/-260.285 χ^2/NDF:66.4/53

All: 1954.464+/-184.274 χ^2/NDF: 95.7/103

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1430.709+/-0.255 χ^2/NDF: 122986.0/26

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.4/29

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

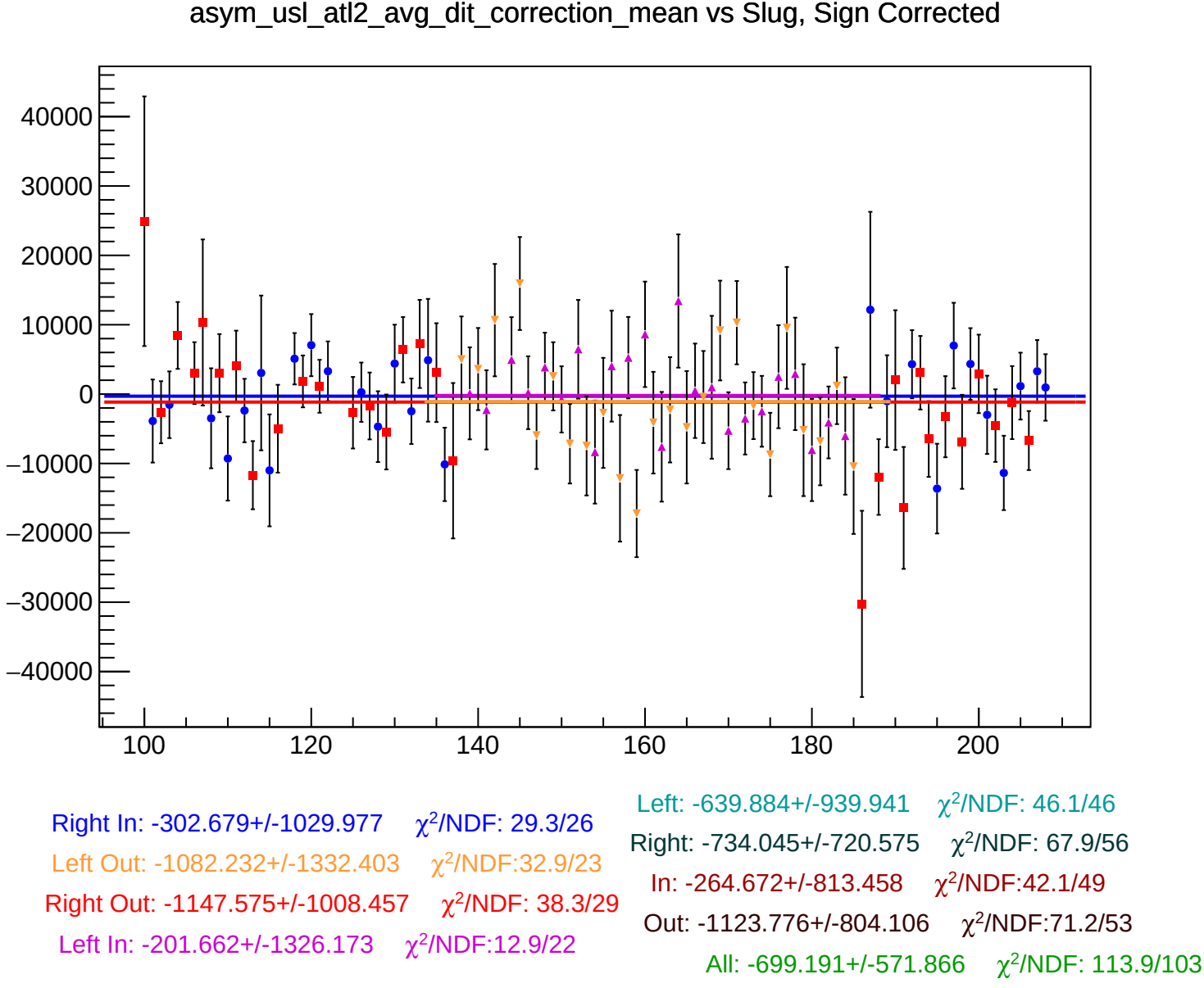
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

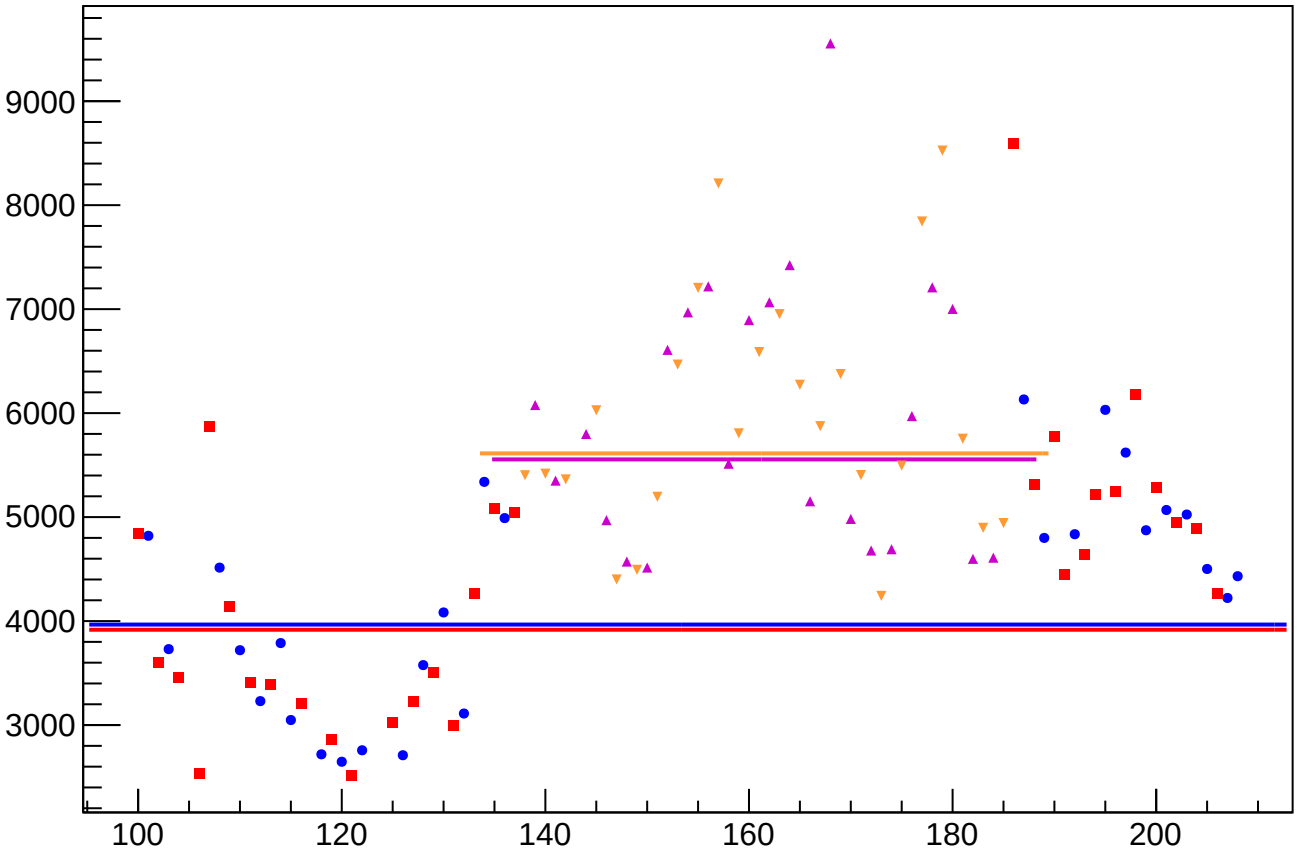
Right: 1436.346+/-0.180 χ^2/NDF: 253408.8/56

In: 1518.801+/-0.184 χ^2/NDF:510901.6/49

Out: 1527.075+/-0.184 χ^2/NDF:507656.0/53

All: 1522.951+/-0.130 χ^2/NDF: 1019566.3/10


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -302.679+/-1029.977 χ²/NDF: 29.3/26
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: -1147.575+/-1008.457 χ²/NDF: 38.3/29
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: -734.045+/-720.575 χ²/NDF: 67.9/56
In: -264.672+/-813.458 χ²/NDF:42.1/49
Out: -1123.776+/-804.106 χ²/NDF:71.2/53
All: -699.191+/-571.866 χ²/NDF: 113.9/103



Right In: 3966.480+/-0.728 χ^2/NDF: 1825964.0/26

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3916.749+/-0.713 χ^2/NDF: 2247825.8/29

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

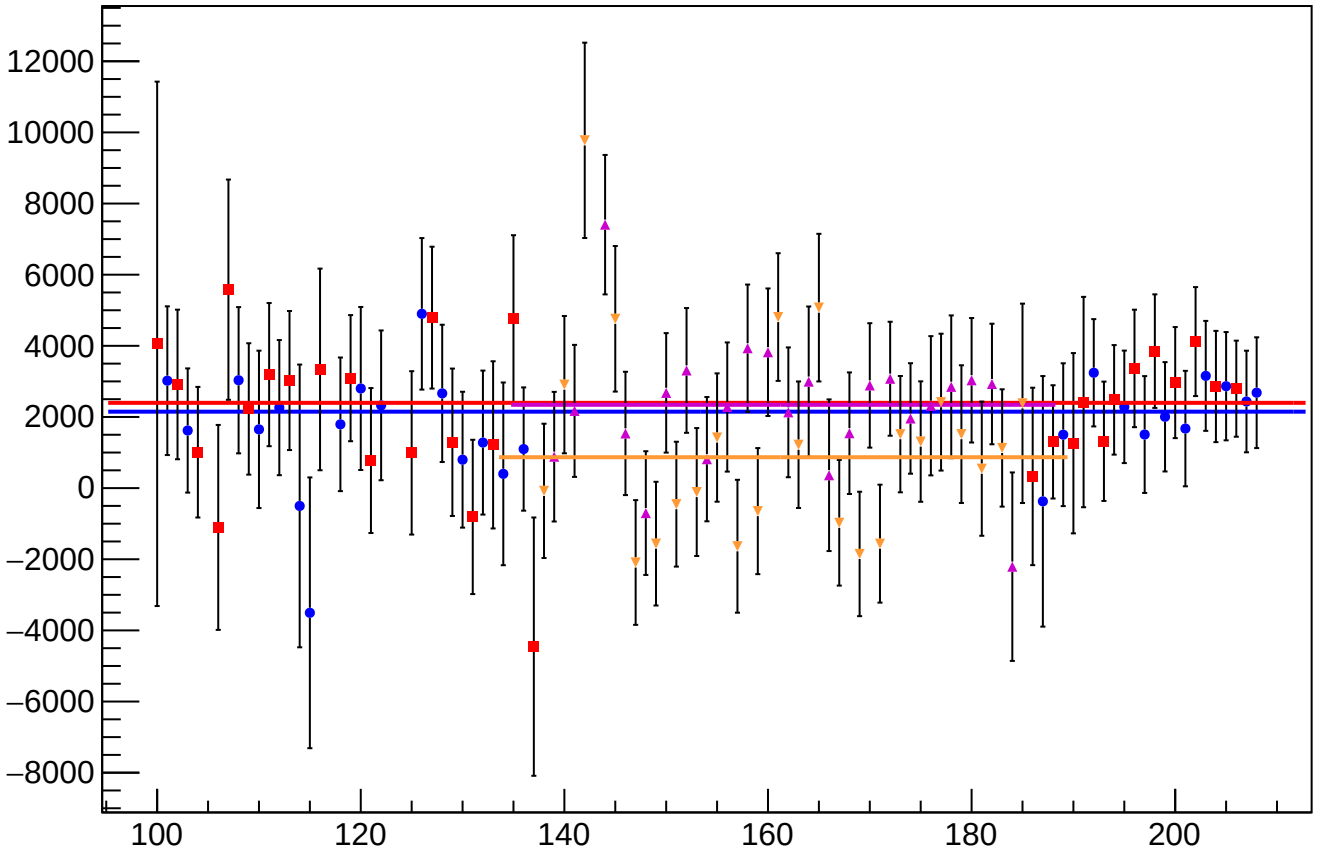
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3941.090+/-0.510 χ^2/NDF: 4076170.3/56

In: 4564.123+/-0.575 χ^2/NDF:4948672.4/49

Out: 4534.448+/-0.569 χ^2/NDF:5496158.7/53

All: 4549.114+/-0.404 χ^2/NDF: 10446177.4/1



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2397.446+/-359.644 χ^2/NDF: 18.0/29

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

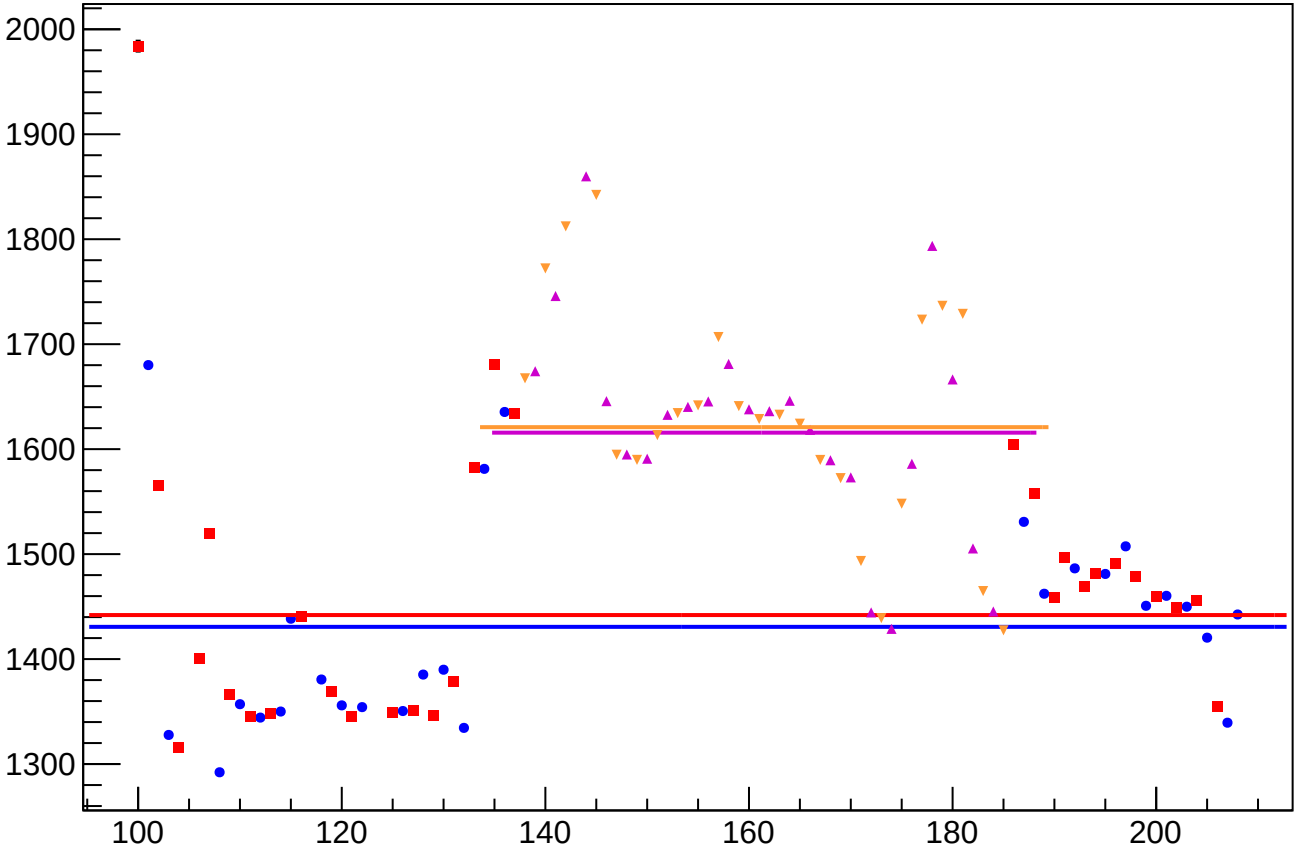
Right: 2273.501+/-254.614 χ^2/NDF: 27.0/56

In: 2241.025+/-260.922 χ^2/NDF:26.9/49

Out: 1669.298+/-260.285 χ^2/NDF:66.4/53

All: 1954.462+/-184.274 χ^2/NDF: 95.7/103

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1430.709+/-0.255 χ^2/NDF: 122985.9/26

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.7/29

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

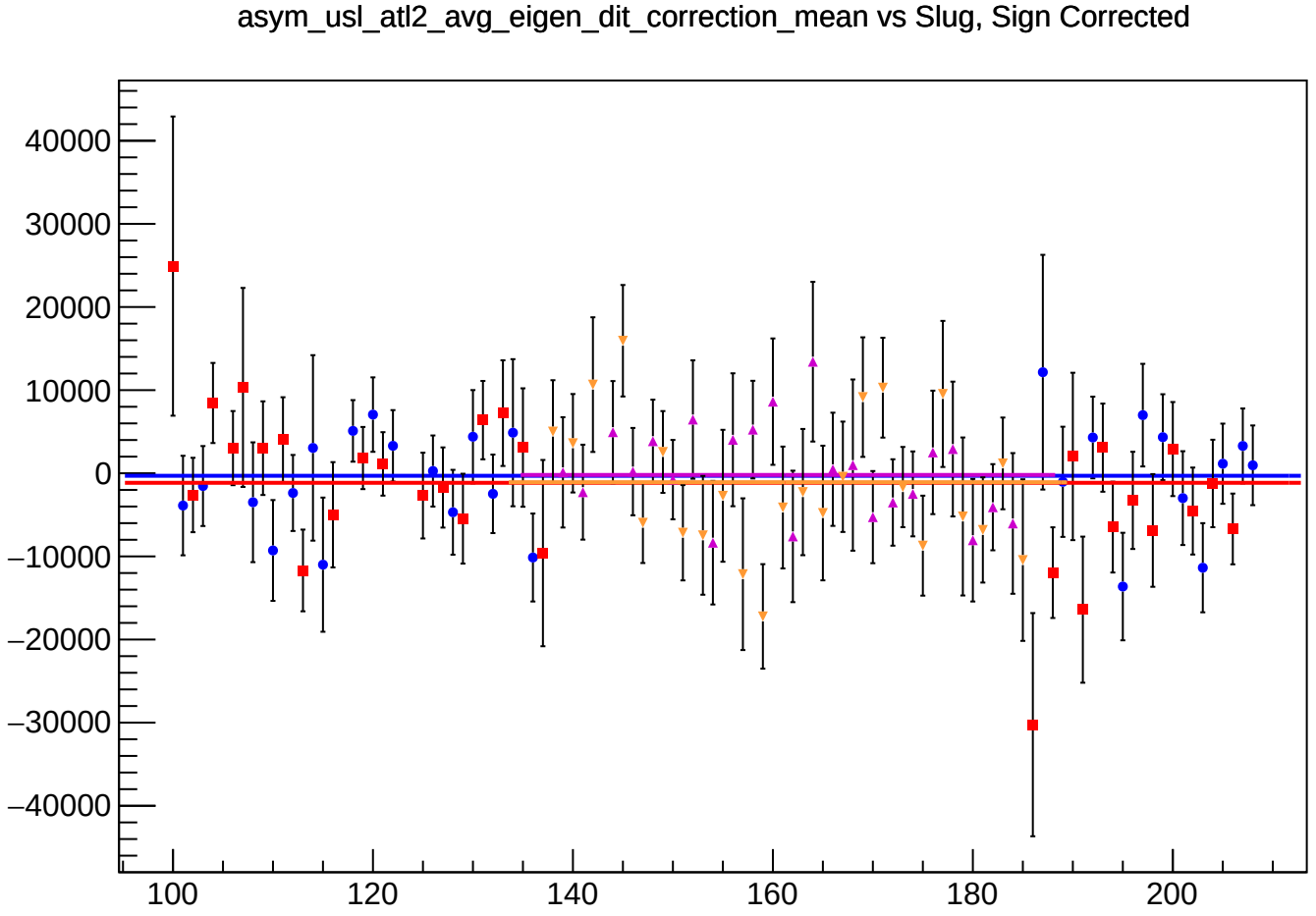
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1436.346+/-0.180 χ^2/NDF: 253409.1/56

In: 1518.802+/-0.184 χ^2/NDF:510909.3/49

Out: 1527.076+/-0.184 χ^2/NDF:507664.3/53

All: 1522.952+/-0.130 χ^2/NDF: 1019582.3/10



Right In: -302.674+/-1029.976 χ^2/NDF: 29.3/26

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -1147.566+/-1008.456 χ^2/NDF: 38.3/29

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

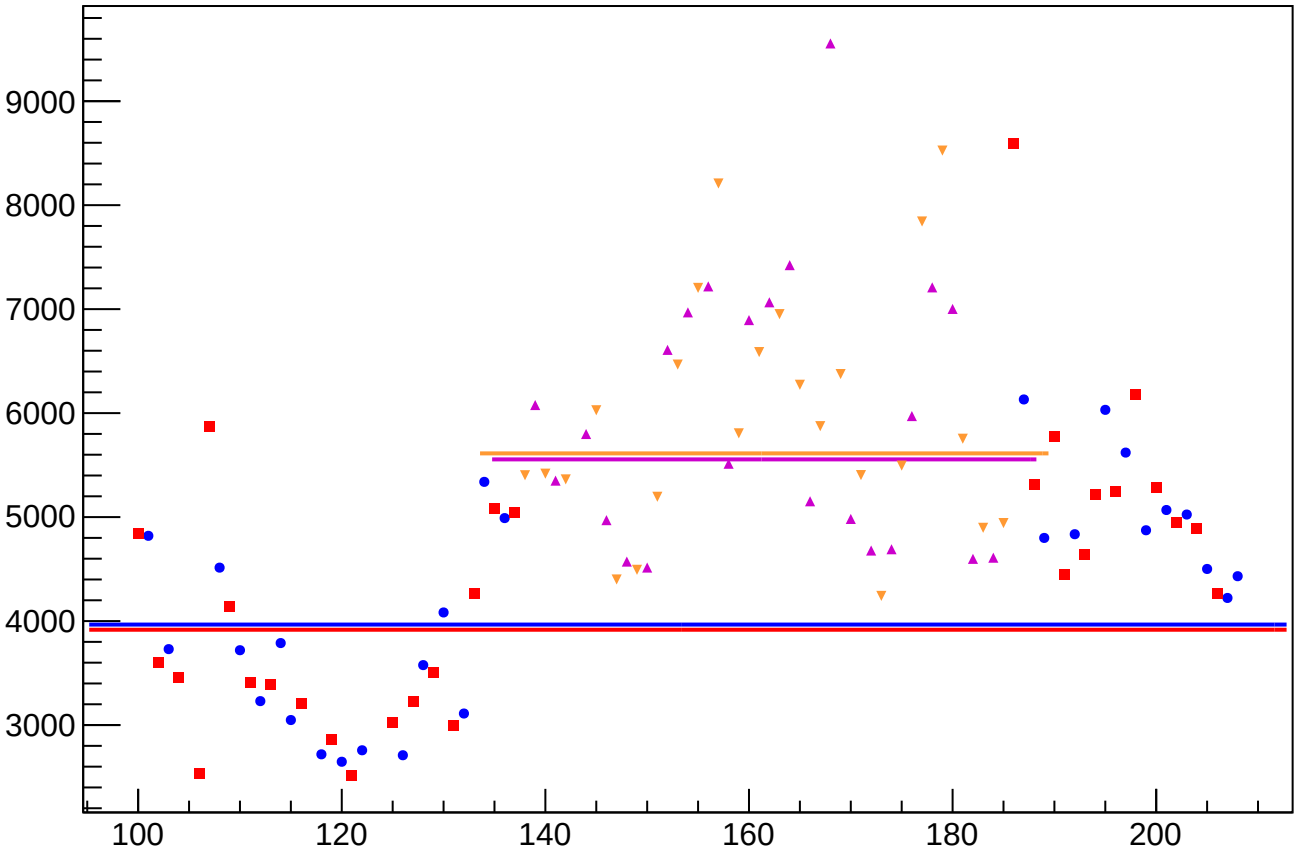
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -734.039+/-720.574 χ^2/NDF: 67.9/56

In: -264.670+/-813.458 χ^2/NDF:42.1/49

Out: -1123.773+/-804.106 χ^2/NDF:71.2/53

All: -699.188+/-571.866 χ^2/NDF: 113.9/103



Right In: 3966.474+/-0.728 χ^2/NDF: 1825998.9/26

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3916.742+/-0.713 χ^2/NDF: 2247855.1/29

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

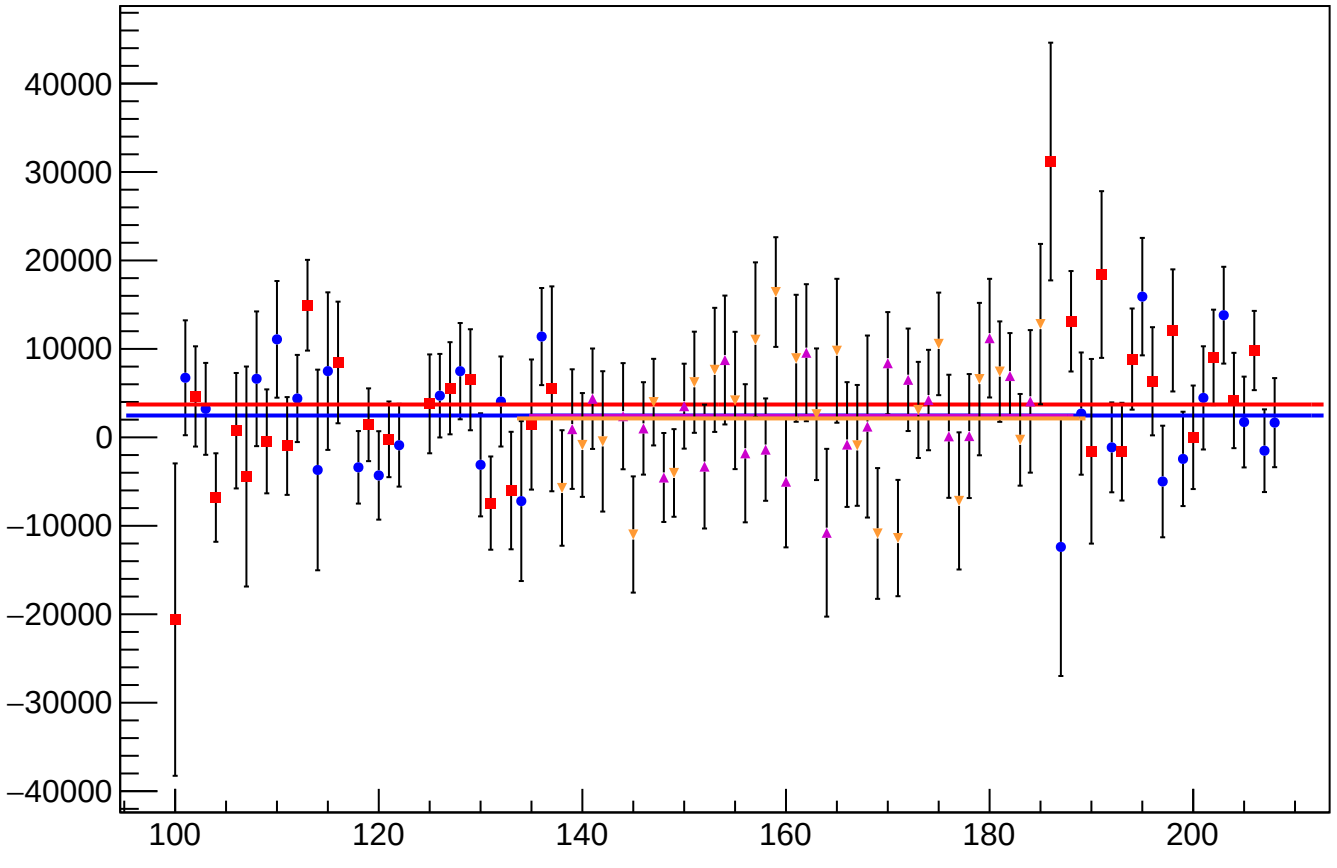
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3941.083+/-0.510 χ^2/NDF: 4076234.5/56

In: 4564.121+/-0.575 χ^2/NDF:4948739.3/49

Out: 4534.444+/-0.569 χ^2/NDF:5496224.5/53

All: 4549.111+/-0.404 χ^2/NDF: 10446310.1/1



Right In: 2470.290+/-1095.613 χ^2/NDF: 26.6/26

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3713.979+/-1091.832 χ^2/NDF: 38.0/29

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

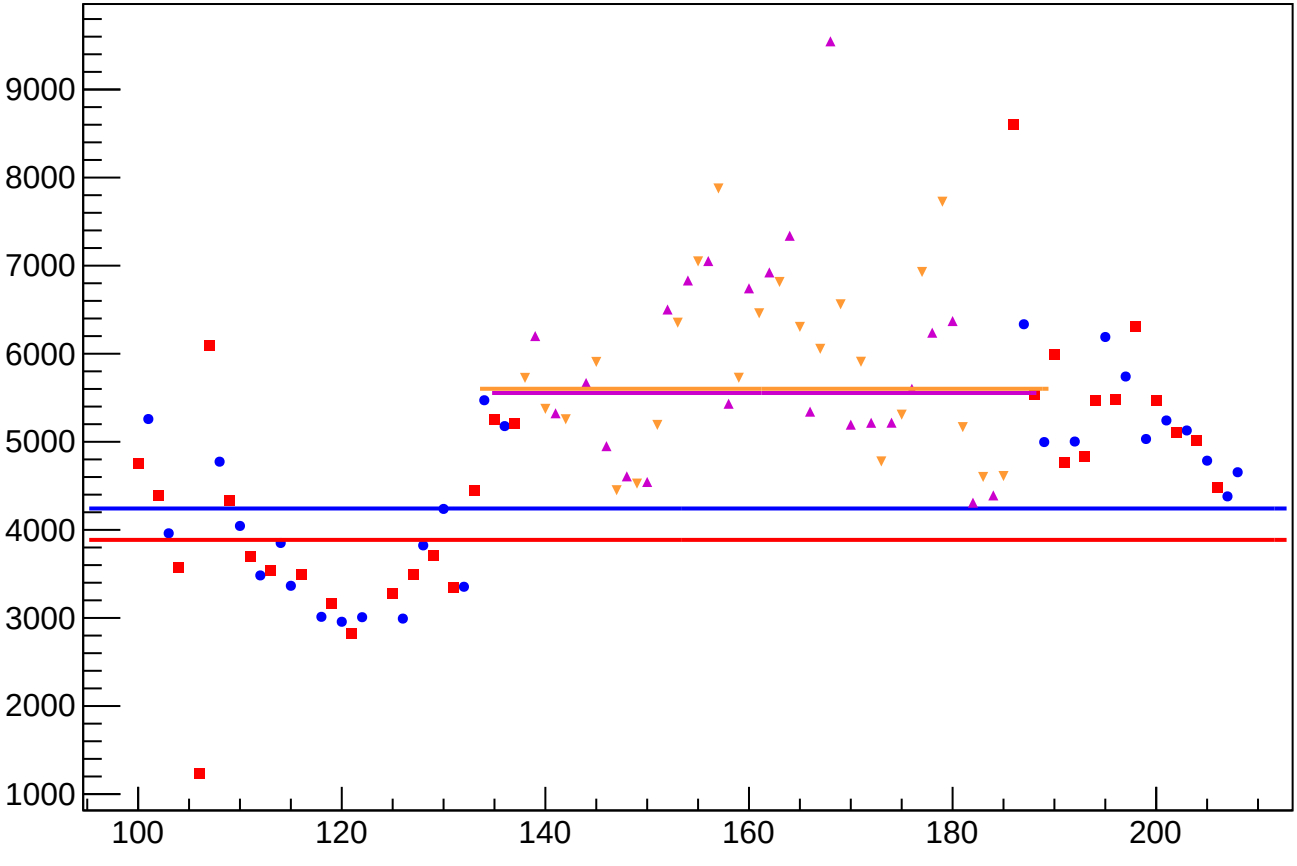
Right: 3094.284+/-773.375 χ^2/NDF: 65.2/56

In: 2453.081+/-843.331 χ^2/NDF:39.4/49

Out: 3076.338+/-842.456 χ^2/NDF:69.5/53

All: 2765.033+/-596.015 χ^2/NDF: 109.2/103

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4242.819+/-0.775 χ^2/NDF: 1482266.4/26

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3886.375+/-0.730 χ^2/NDF: 3697951.2/29

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

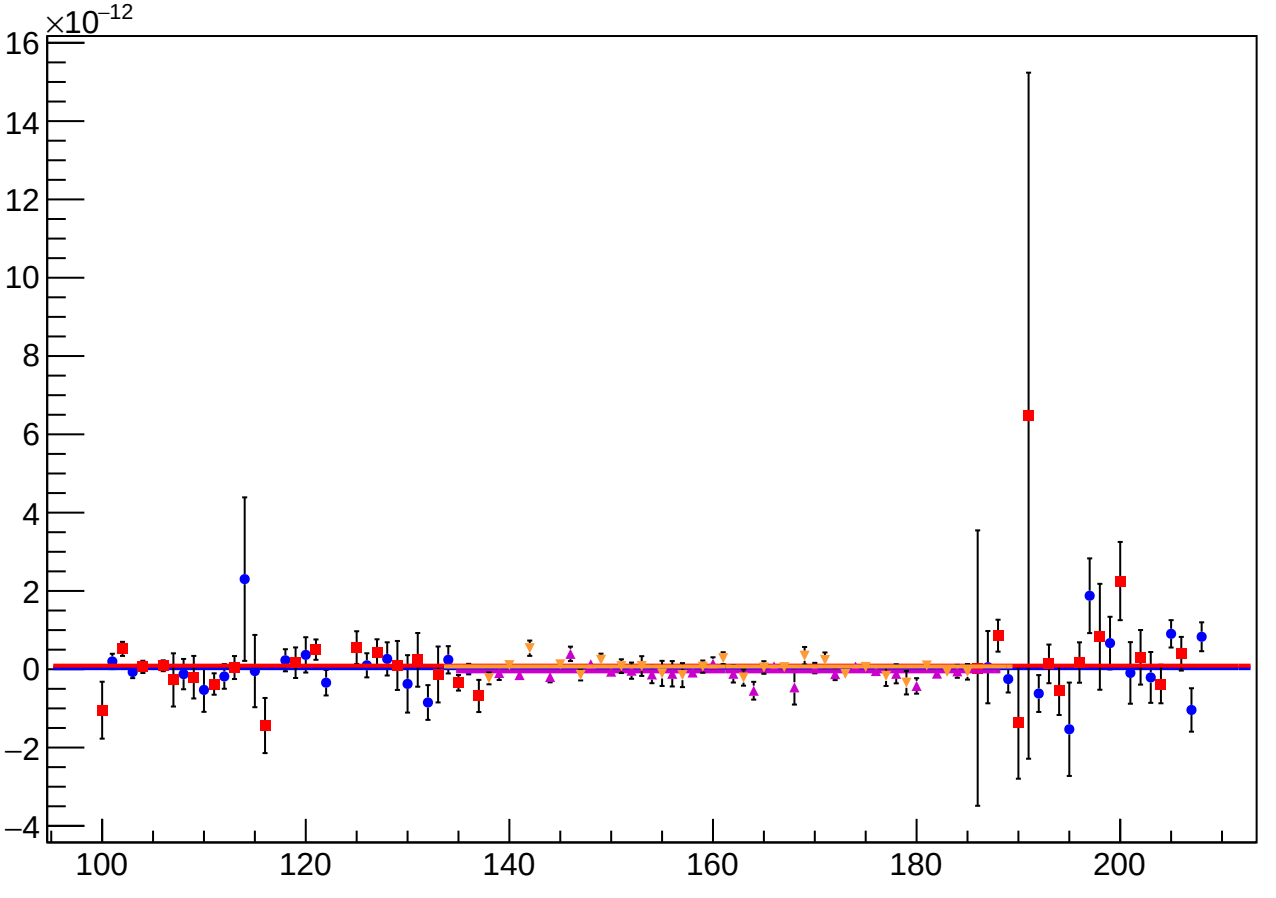
Right: 4053.915+/-0.531 χ^2/NDF: 5292406.0/56

In: 4777.159+/-0.596 χ^2/NDF:3761832.1/49

Out: 4534.481+/-0.576 χ^2/NDF:6727571.1/53

All: 4651.518+/-0.414 χ^2/NDF: 10575145.7/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 42.2/29

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

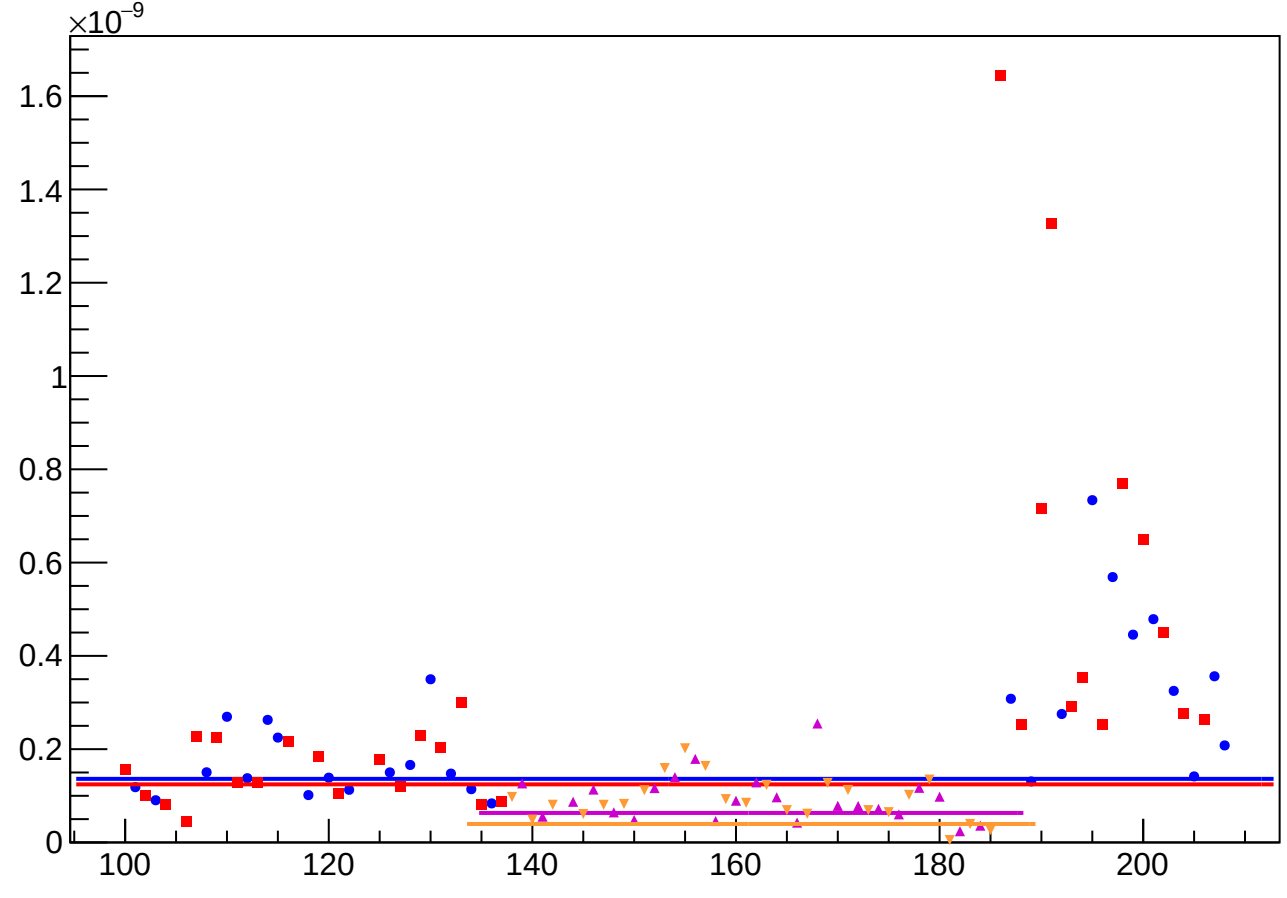
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 77.8/56

In: -0.000+/-0.000 χ^2/NDF:61.8/49

Out: 0.000+/-0.000 χ^2/NDF:70.6/53

All: 0.000+/-0.000 χ^2/NDF: 144.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 3387356.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4809526.6/29

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

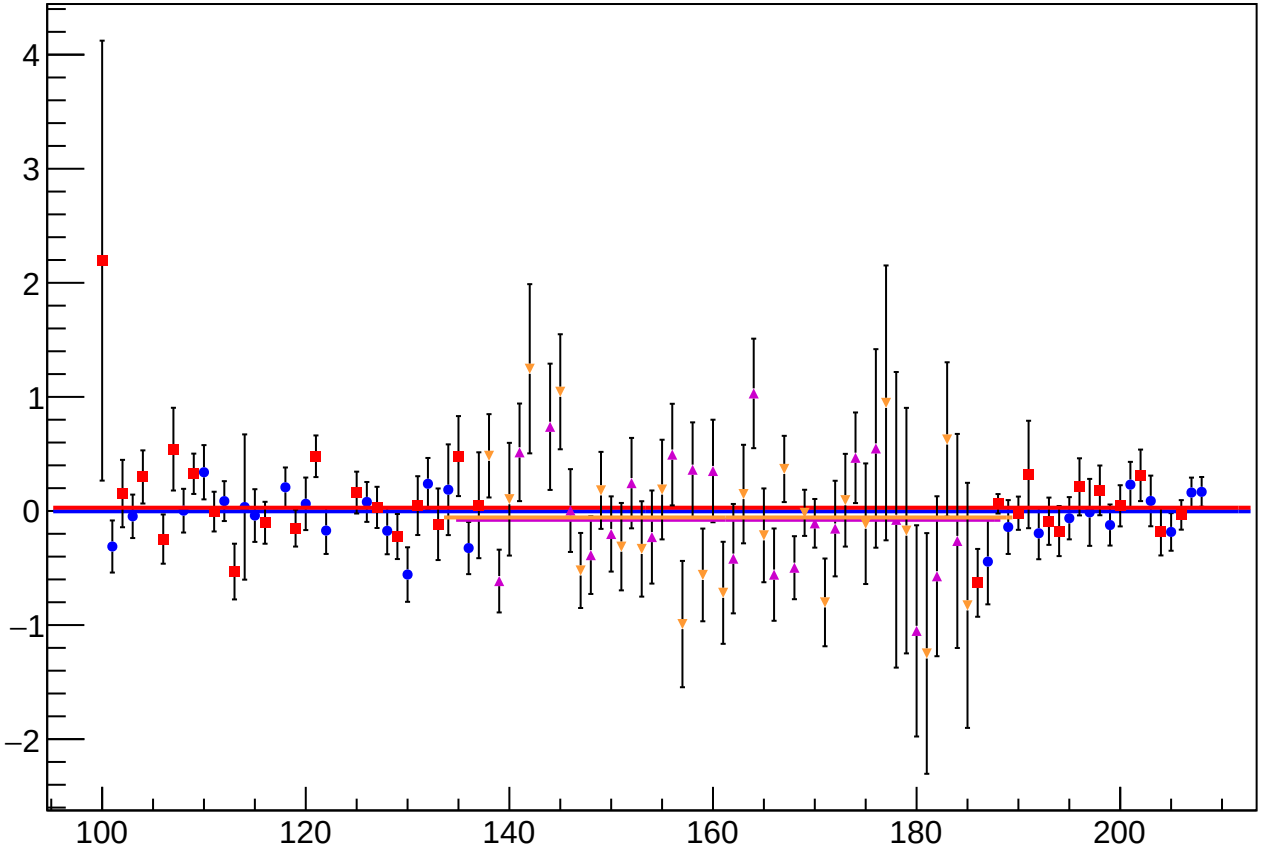
Right: 0.000+/-0.000 χ^2/NDF: 8232050.0/56

In: 0.000+/-0.000 χ^2/NDF:8488470.9/49

Out: 0.000+/-0.000 χ^2/NDF:15111976.2/53

All: 0.000+/-0.000 χ^2/NDF: 24809204.2/103

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

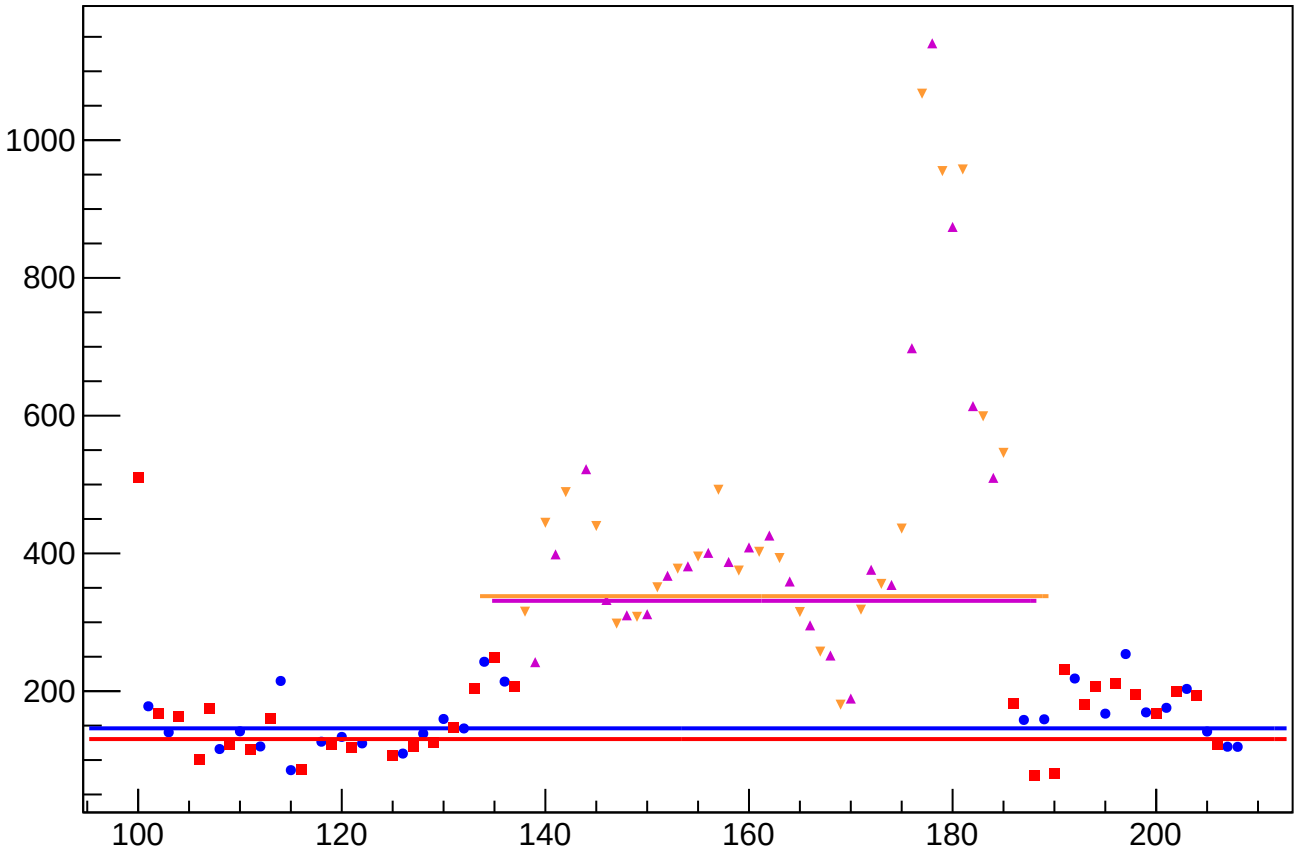
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.026 χ^2/NDF: 62.5/56

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: 0.001+/-0.024 χ^2/NDF: 121.5/103



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

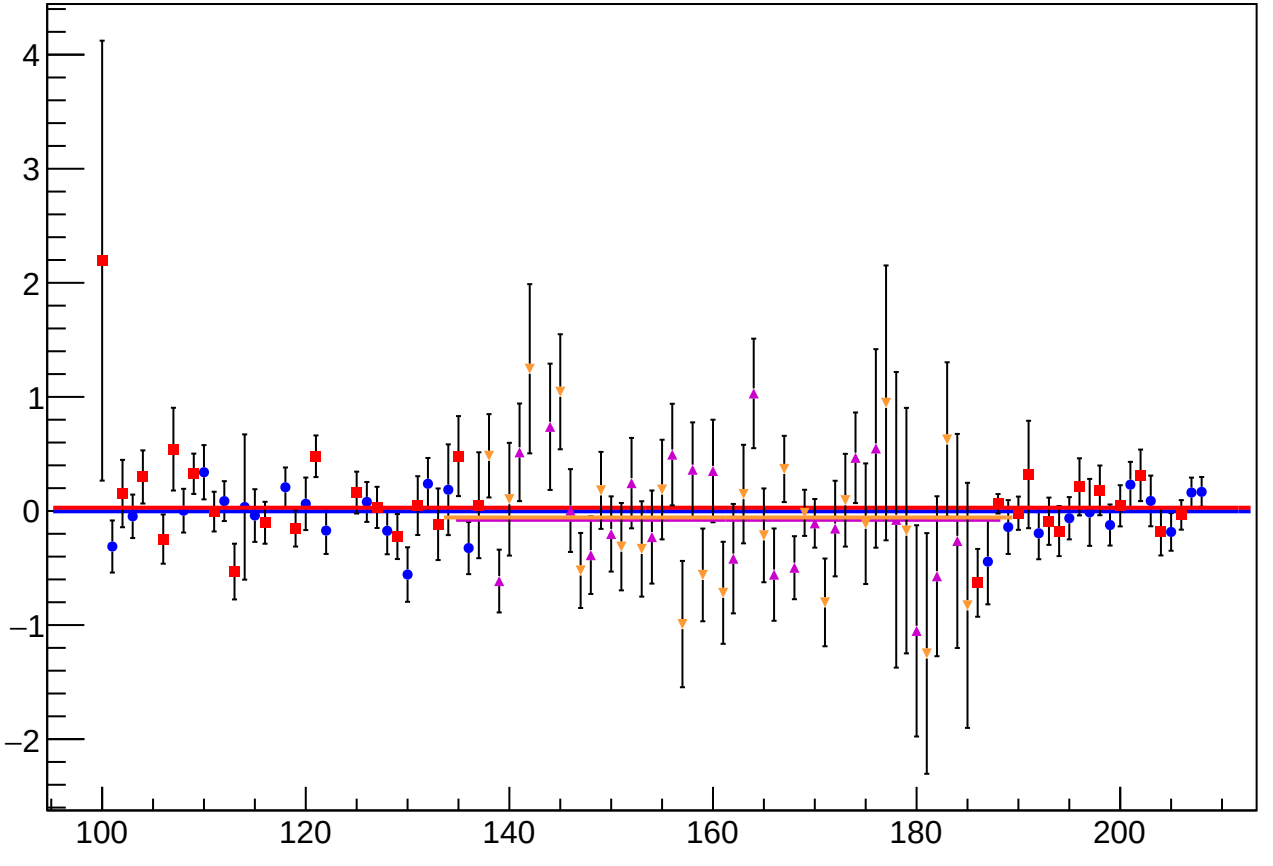
Right: 137.583+/-0.019 χ^2/NDF: 5008831.4/56

In: 179.322+/-0.025 χ^2/NDF:13815898.2/49

Out: 161.536+/-0.023 χ^2/NDF:17746716.8/53

All: 169.834+/-0.017 χ^2/NDF: 31832398.5/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

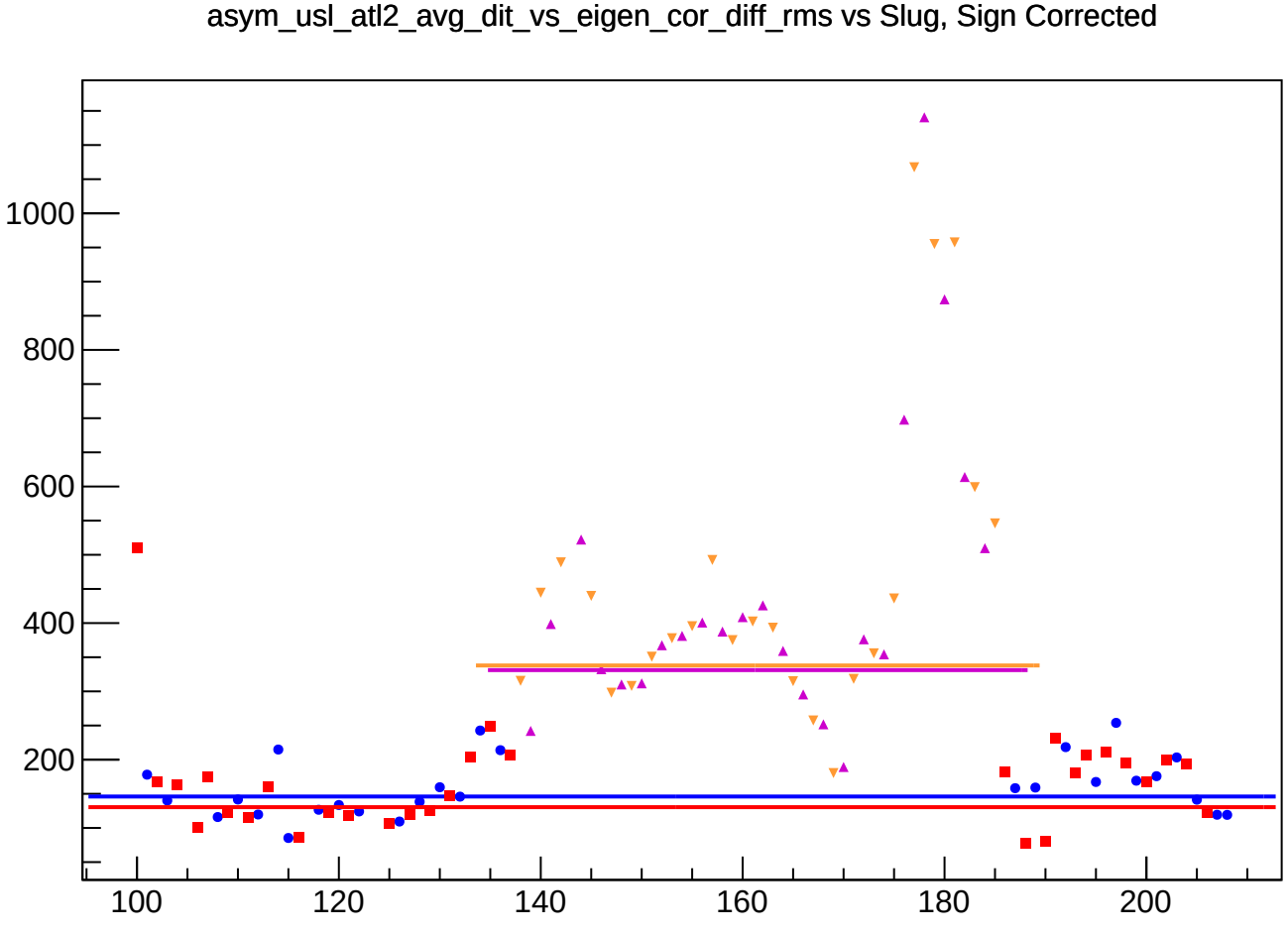
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.026 χ^2/NDF: 62.5/56

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: 0.001+/-0.024 χ^2/NDF: 121.5/103



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

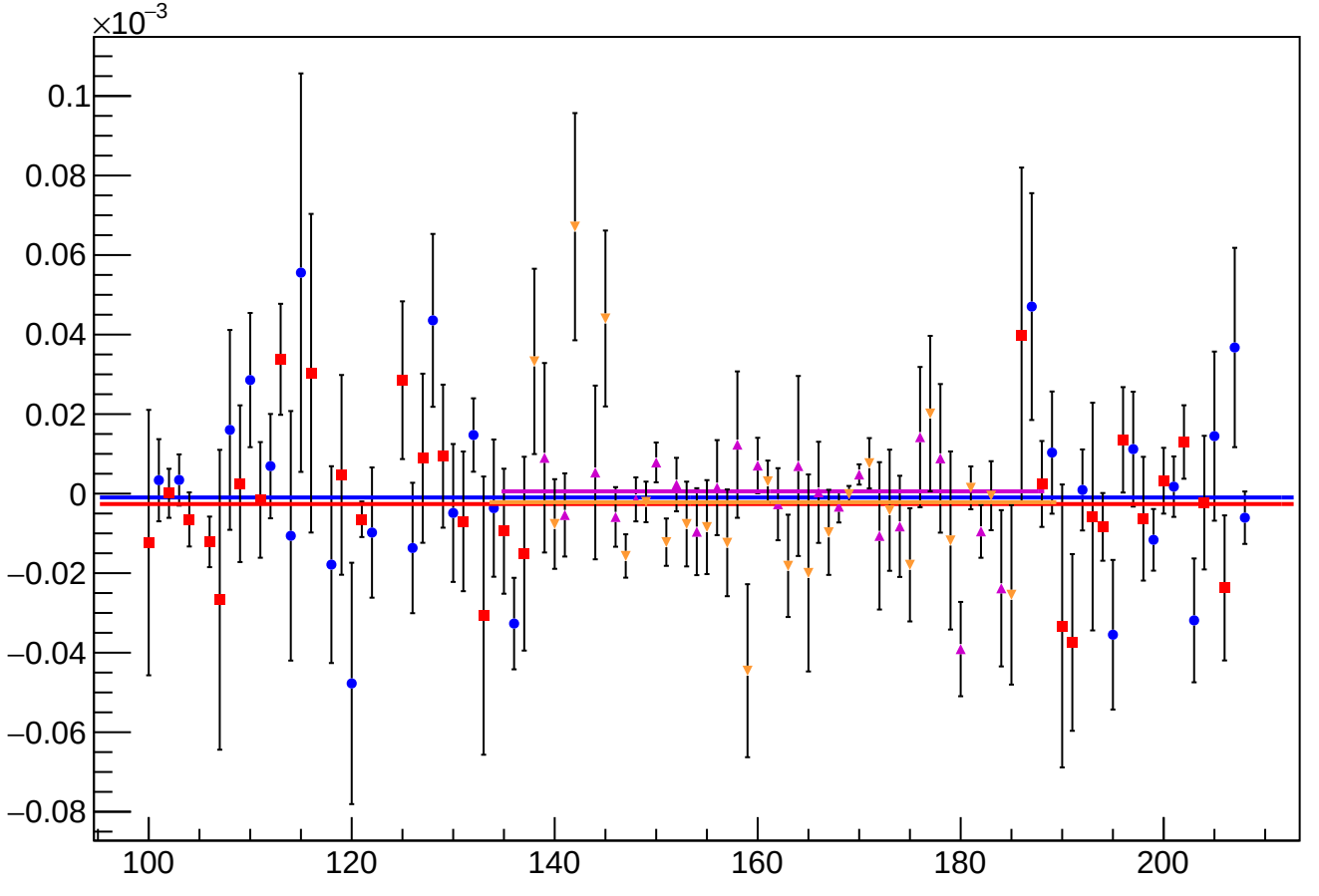
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 137.583+/-0.019 χ^2/NDF: 5008831.4/56

In: 179.322+/-0.025 χ^2/NDF:13815898.2/49

Out: 161.536+/-0.023 χ^2/NDF:17746716.8/53

All: 169.834+/-0.017 χ^2/NDF: 31832398.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

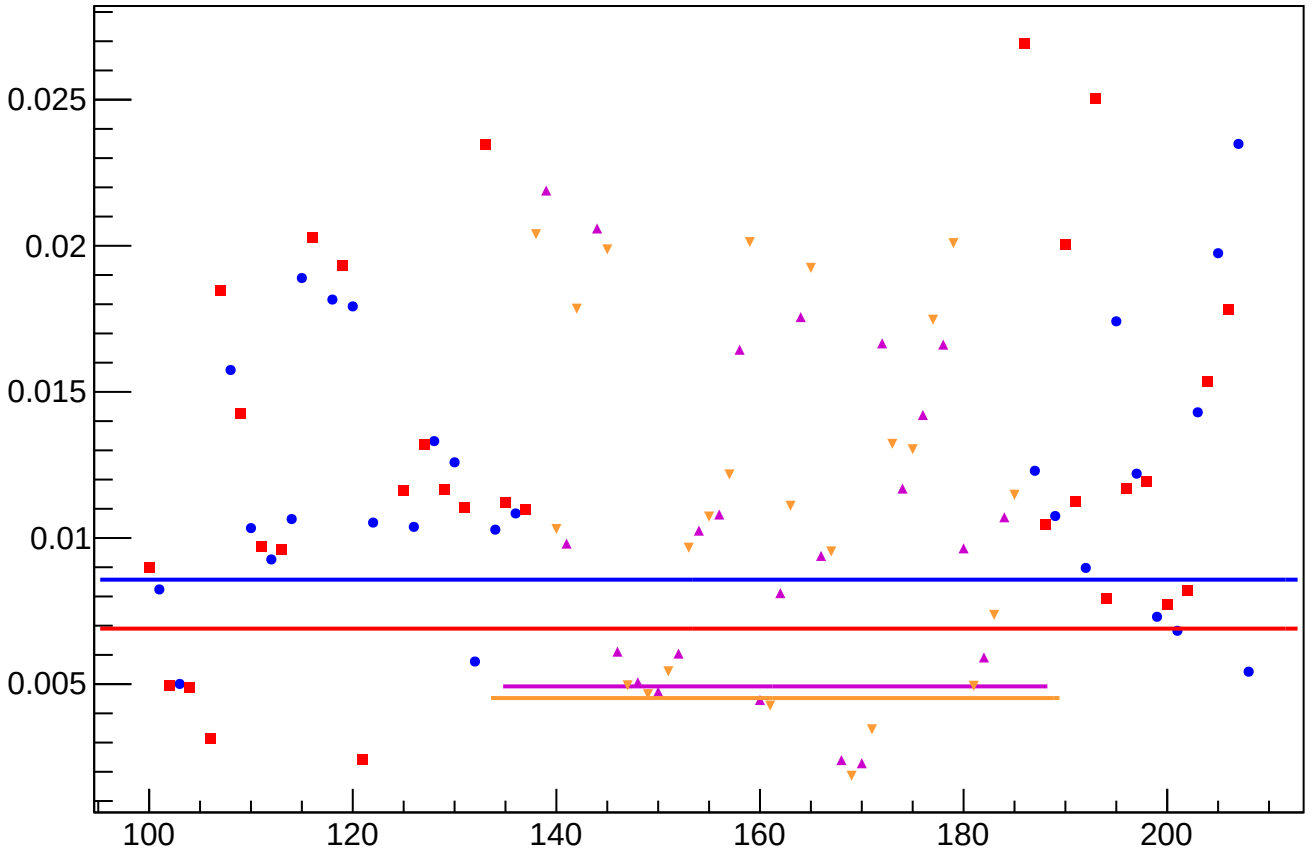
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 68.6/56

In: 0.000+/-0.000 χ^2/NDF:67.7/49

Out: -0.000+/-0.000 χ^2/NDF:65.0/53

All: -0.000+/-0.000 χ^2/NDF: 134.8/103



Right In: 0.009+/-0.000 χ^2/NDF: 4718557.0/26

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 9221115.9/29

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

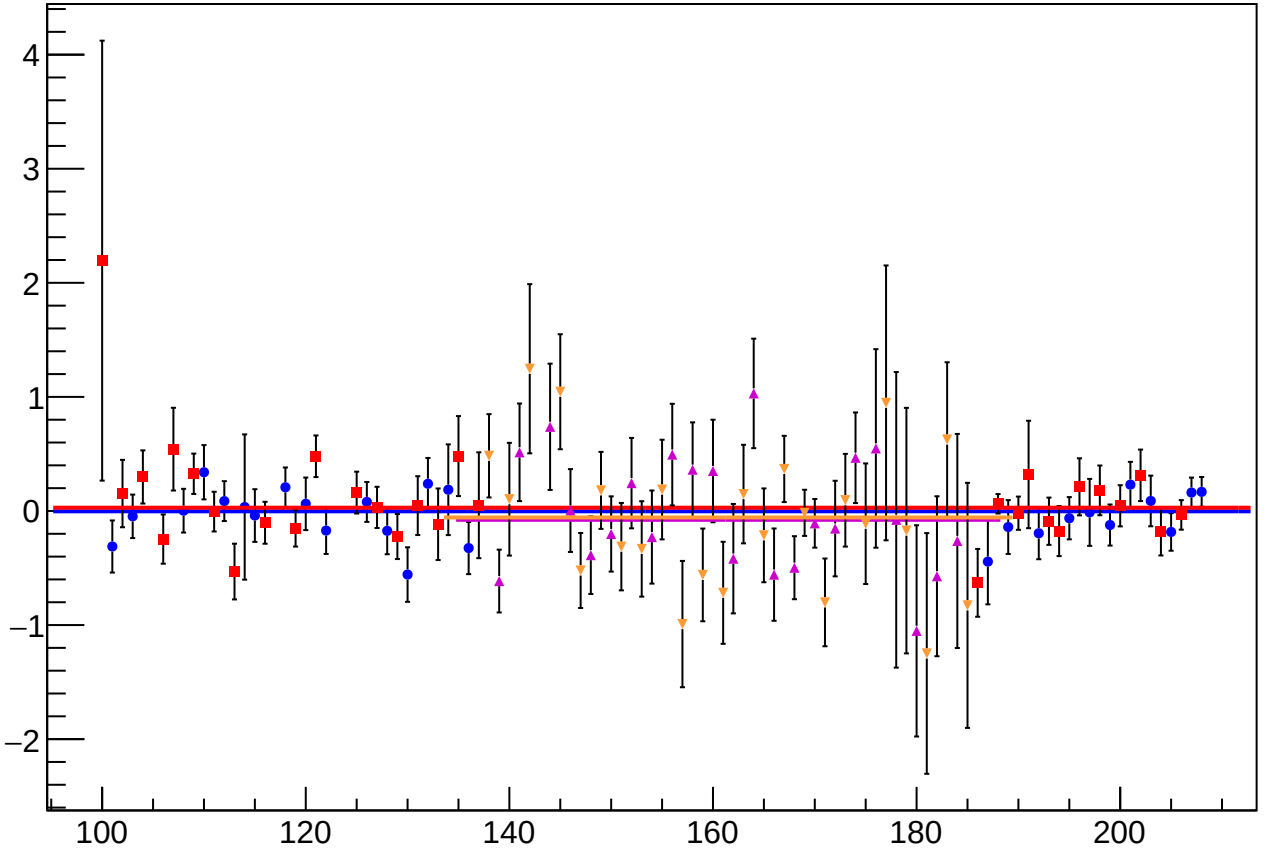
Right: 0.008+/-0.000 χ^2/NDF: 14487360.1/56

In: 0.006+/-0.000 χ^2/NDF:19657961.0/49

Out: 0.005+/-0.000 χ^2/NDF:25230247.1/53

All: 0.006+/-0.000 χ^2/NDF: 45198859.8/103

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

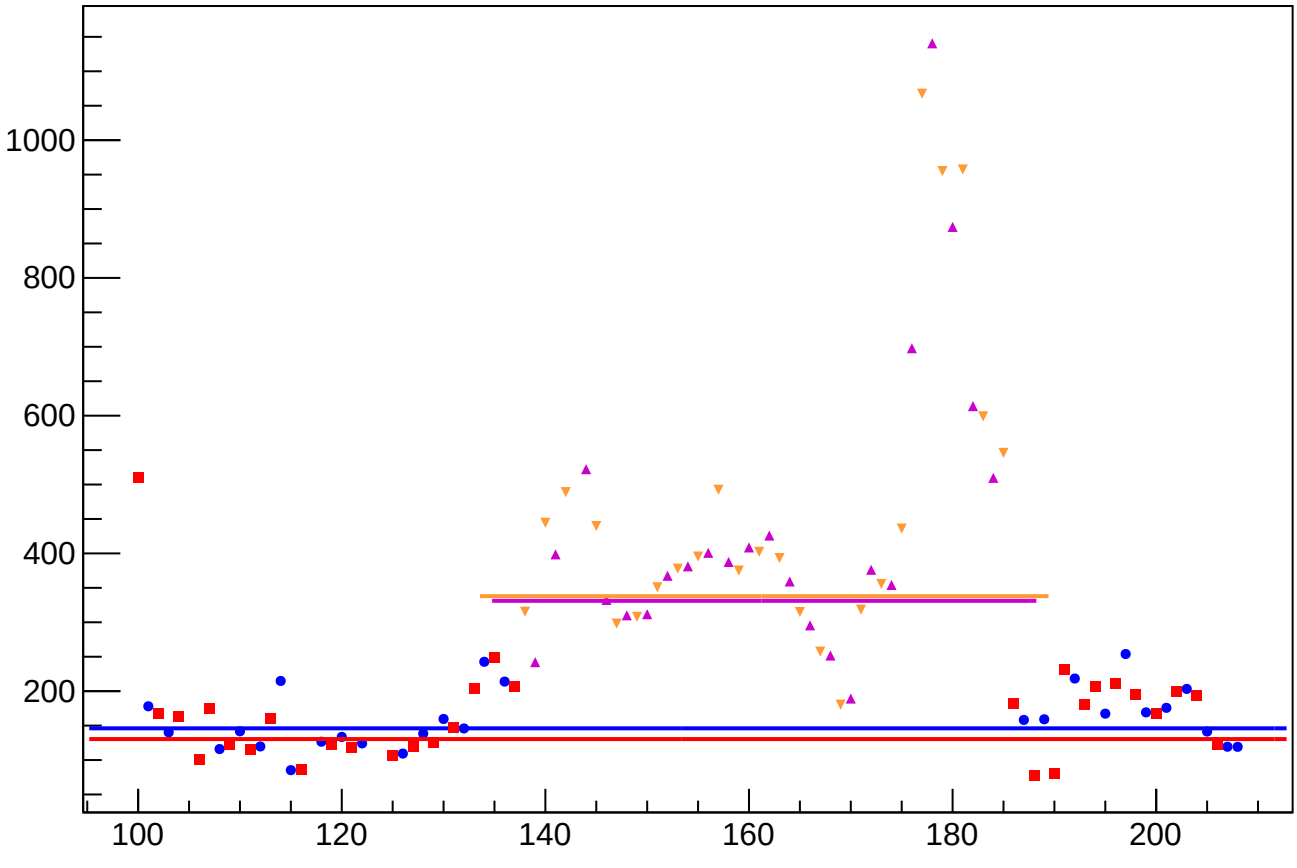
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.026 χ^2/NDF: 62.5/56

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: 0.001+/-0.024 χ^2/NDF: 121.5/103



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

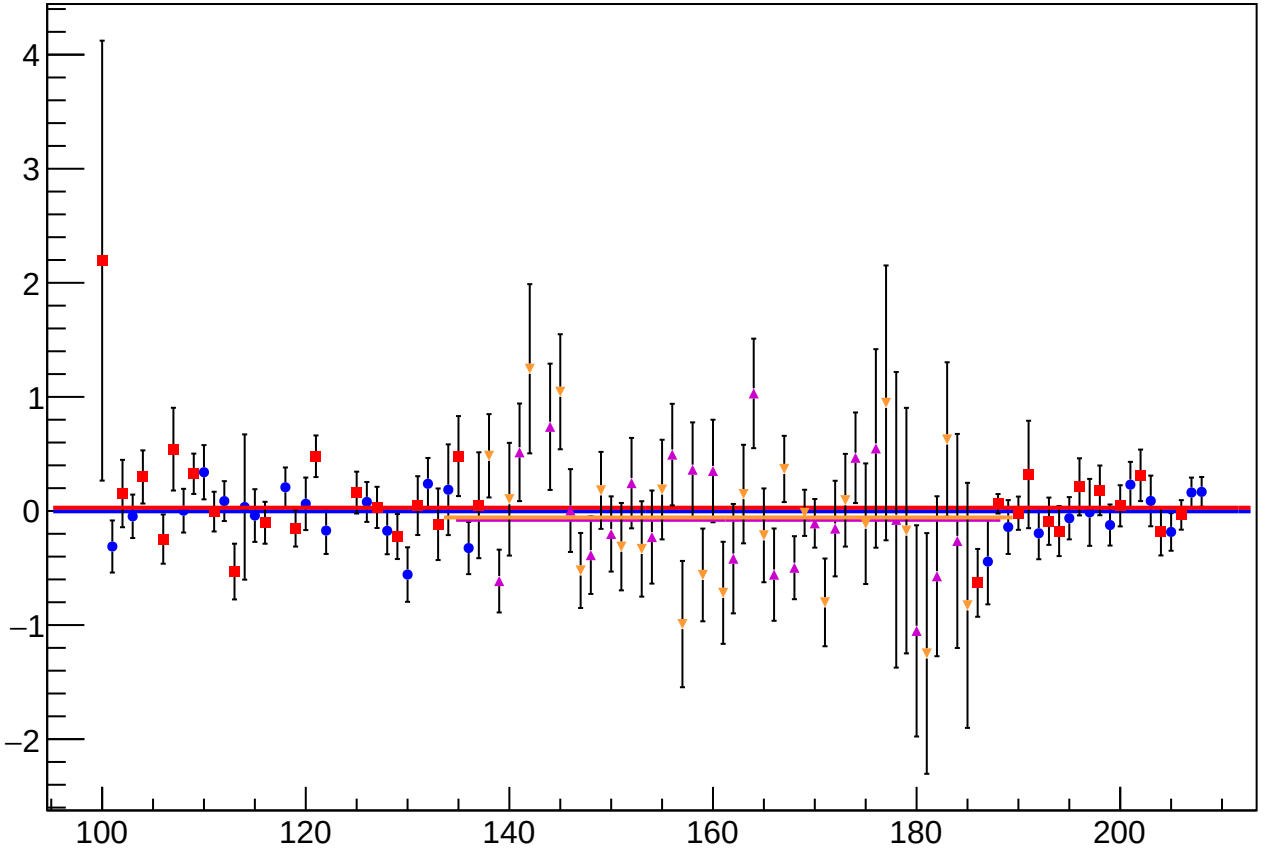
Right: 137.582+/-0.019 χ^2/NDF: 5009025.0/56

In: 179.323+/-0.025 χ^2/NDF:13815968.1/49

Out: 161.534+/-0.023 χ^2/NDF:17747179.6/53

All: 169.834+/-0.017 χ^2/NDF: 31832990.8/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

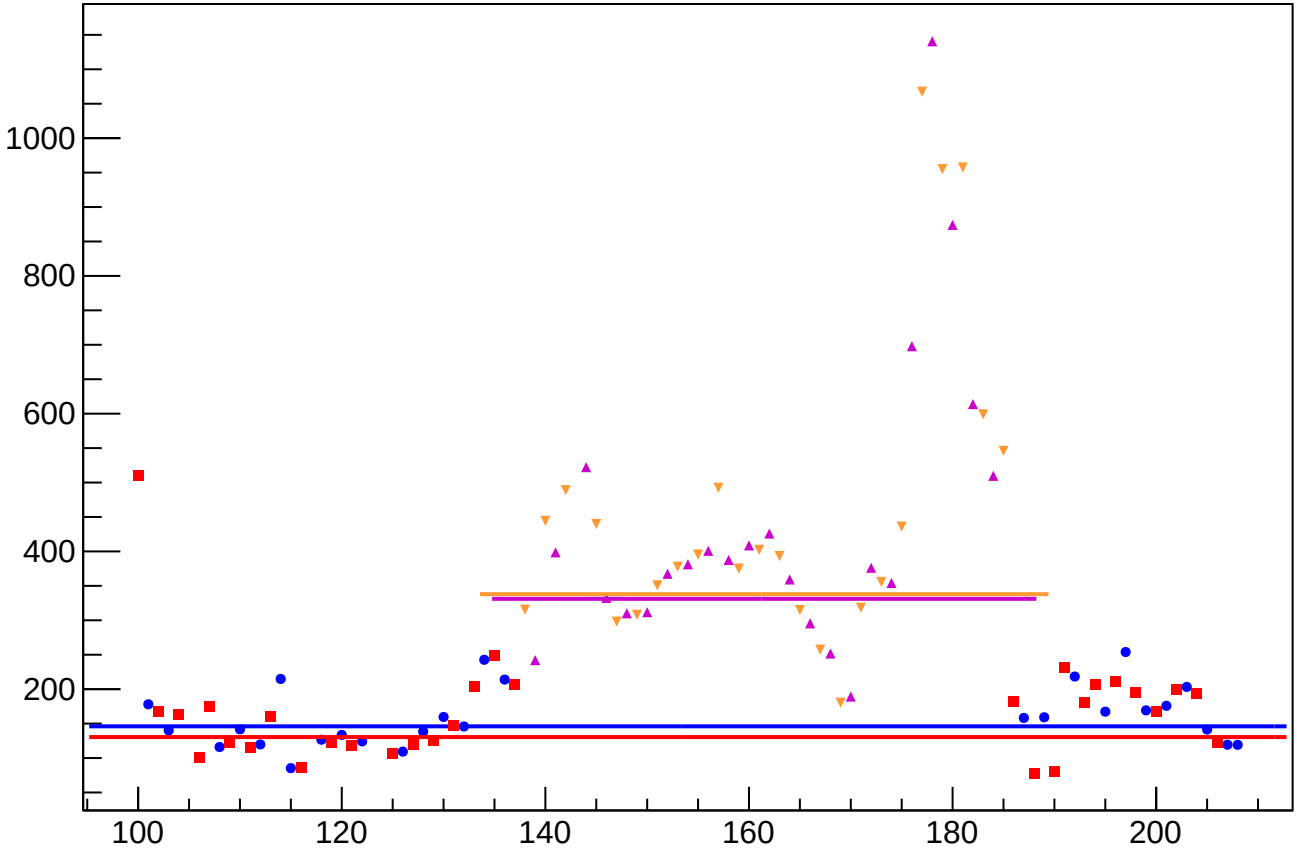
Right: 0.014+/-0.026 χ^2/NDF: 62.5/56

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: 0.001+/-0.024 χ^2/NDF: 121.5/103

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

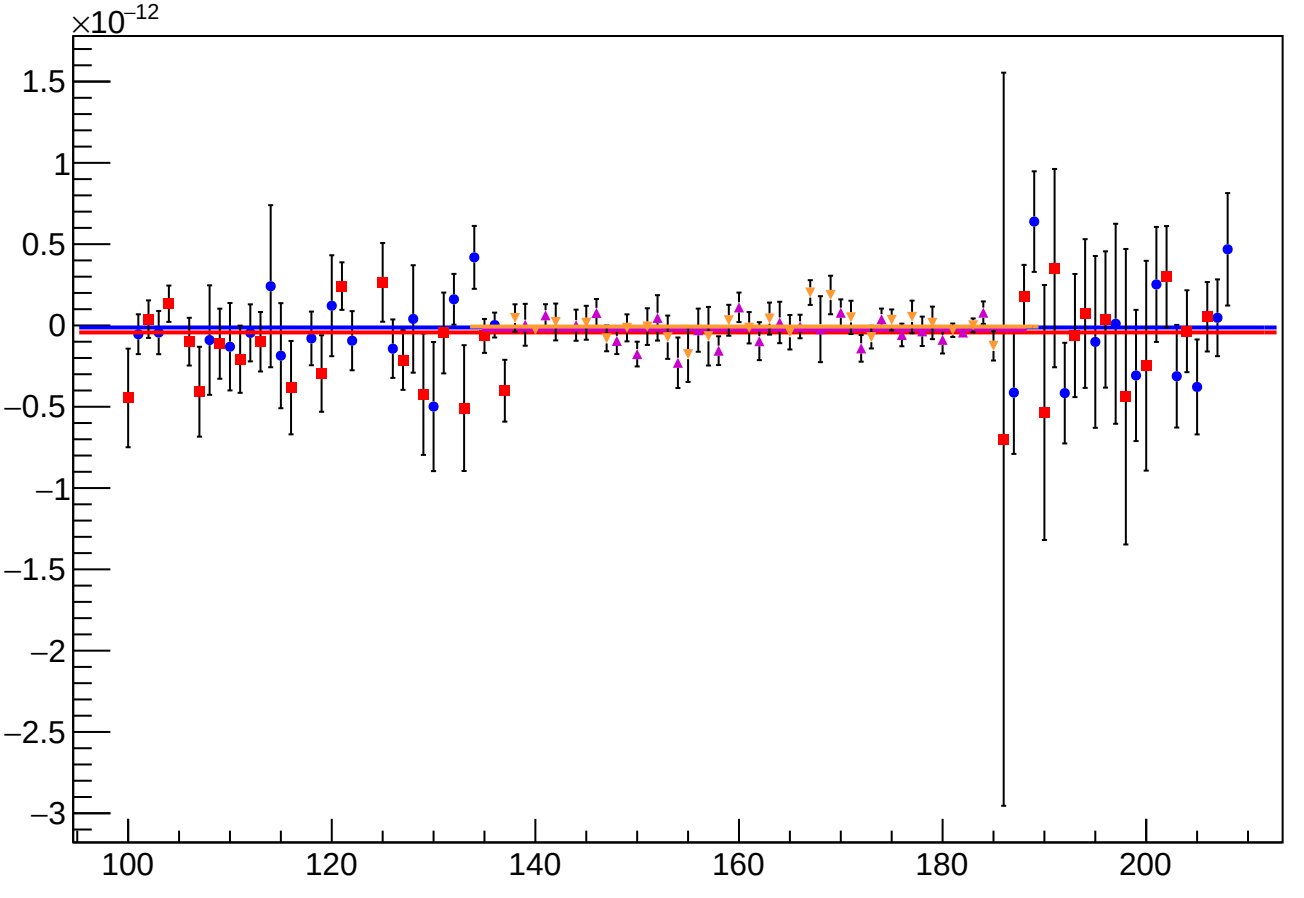
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 137.582+/-0.019 χ^2/NDF: 5009025.0/56

In: 179.323+/-0.025 χ^2/NDF:13815968.1/49

Out: 161.534+/-0.023 χ^2/NDF:17747179.6/53

All: 169.834+/-0.017 χ^2/NDF: 31832990.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

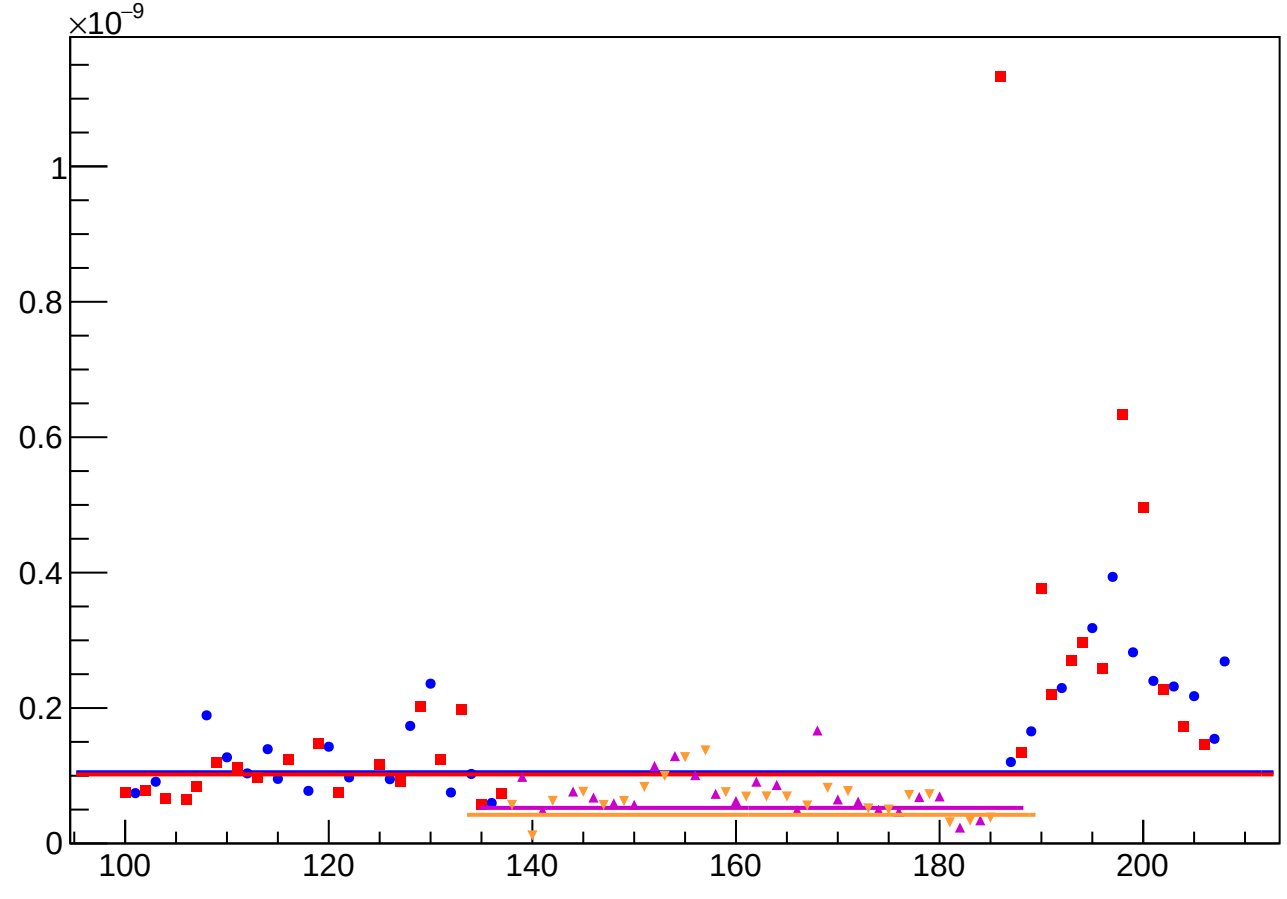
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 49.3/56

In: -0.000+/-0.000 χ^2/NDF:45.6/49

Out: -0.000+/-0.000 χ^2/NDF:45.2/53

All: -0.000+/-0.000 χ^2/NDF: 91.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 4473539.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5133090.7/29

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

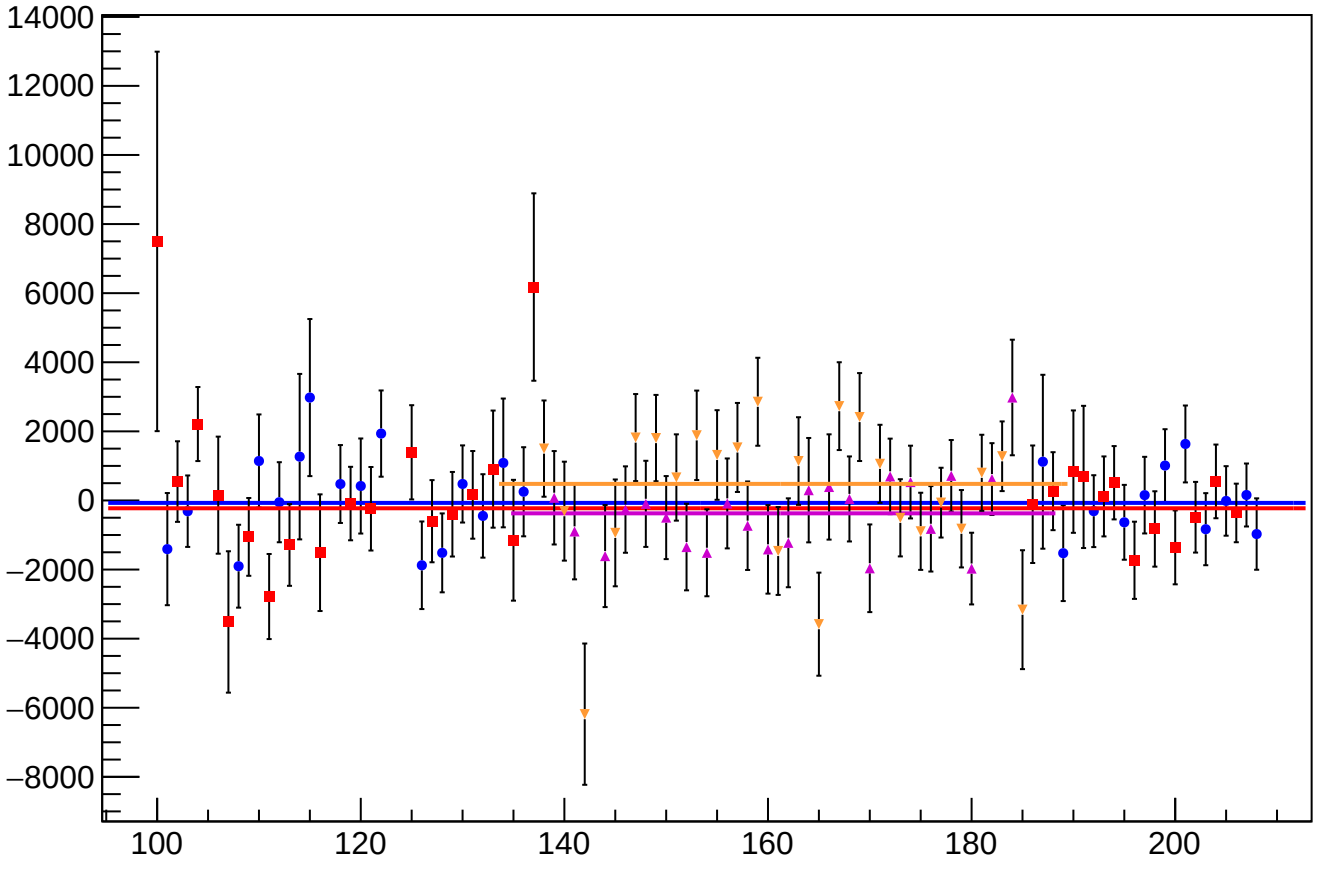
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 9613196.7/56

In: 0.000+/-0.000 χ^2/NDF:12453363.8/49

Out: 0.000+/-0.000 χ^2/NDF:16032044.8/53

All: 0.000+/-0.000 χ^2/NDF: 29042908.2/103



Right In: -70.482+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -226.652+/-231.139 χ^2/NDF: 29.6/29

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

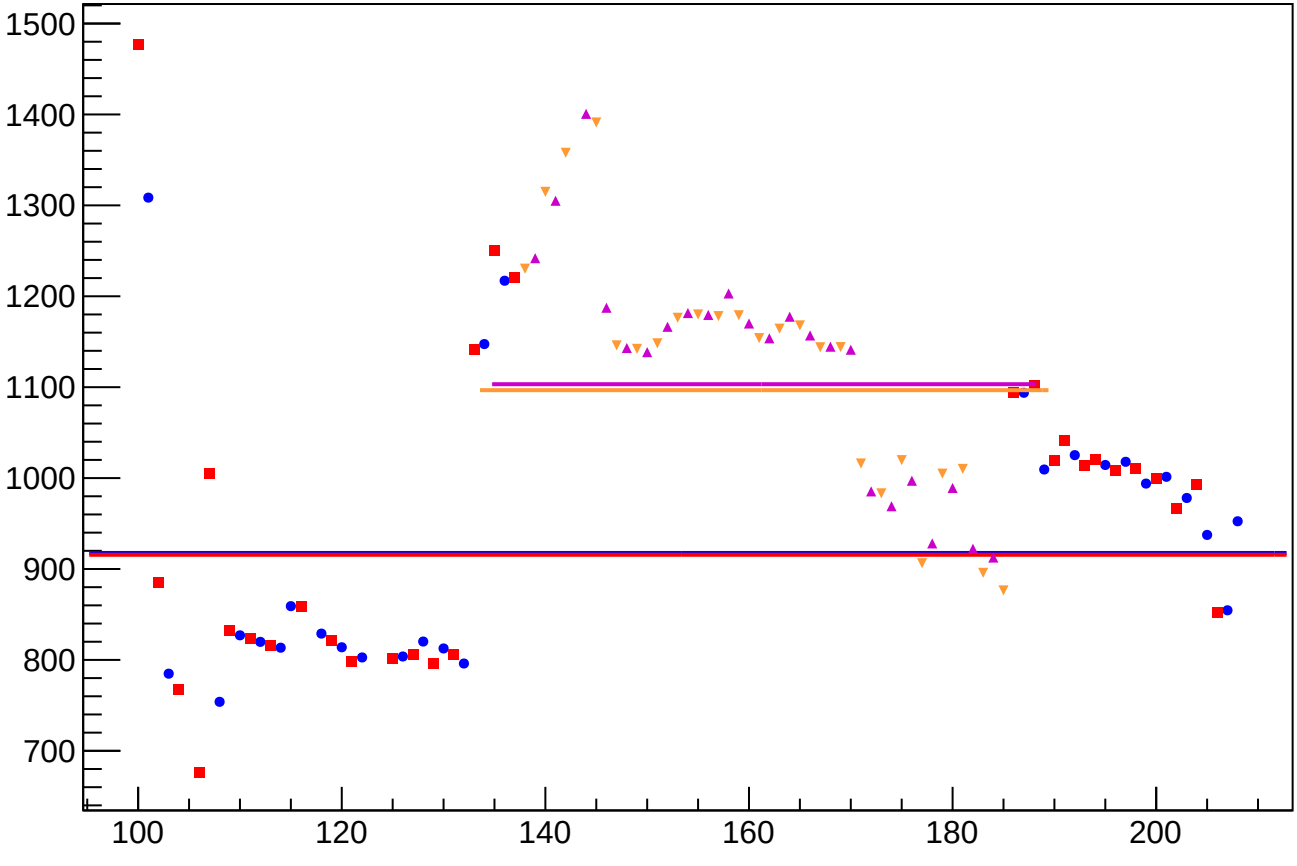
Right: -149.192+/-164.092 χ^2/NDF: 49.6/56

In: -205.581+/-173.313 χ^2/NDF:36.6/49

Out: 90.054+/-171.657 χ^2/NDF:78.9/53

All: -56.345+/-121.961 χ^2/NDF: 117.0/103

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 917.657+/-0.165 χ^2/NDF: 575756.1/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 915.654+/-0.162 χ^2/NDF: 597819.9/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

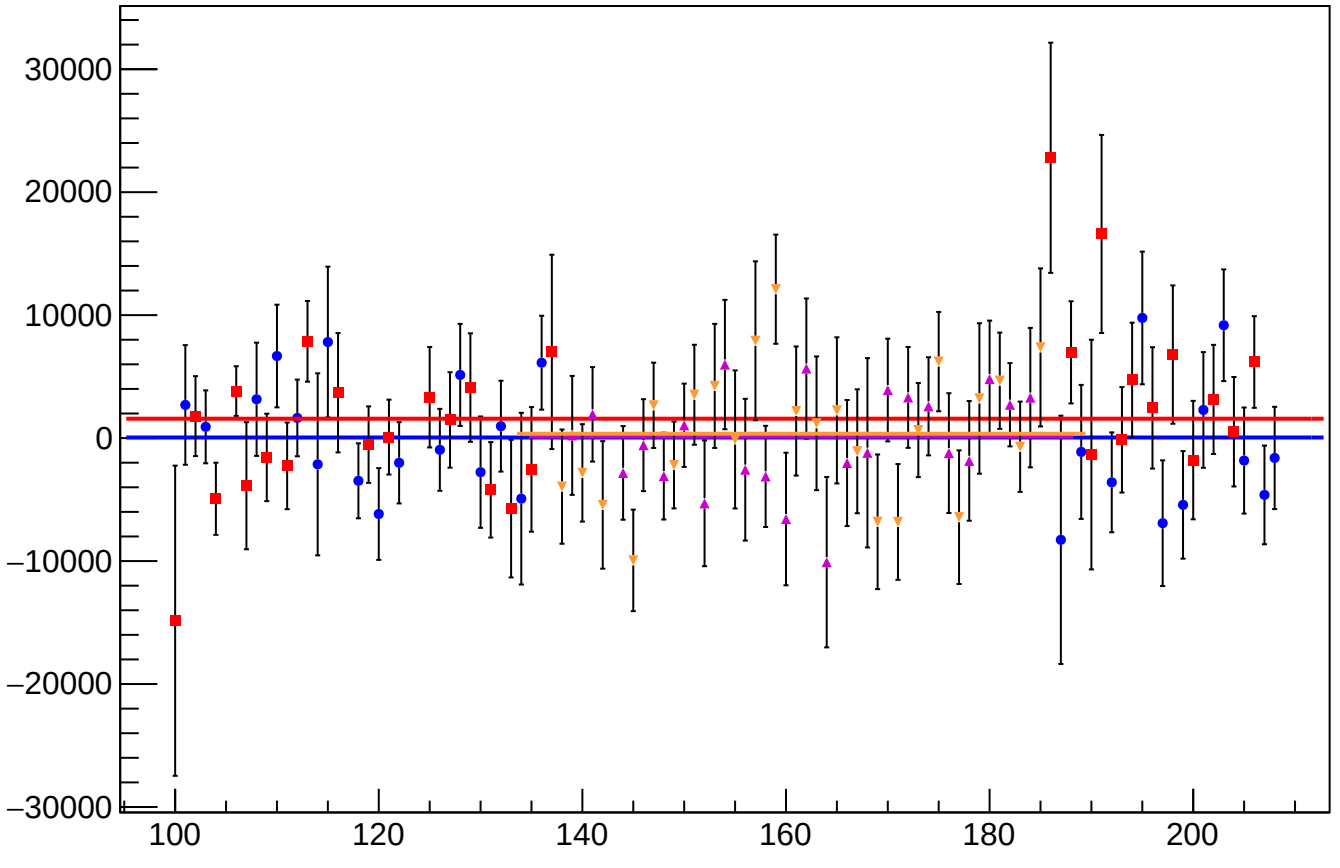
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 916.641+/-0.116 χ^2/NDF: 1173651.0/56

In: 1000.573+/-0.123 χ^2/NDF:1590333.8/49

Out: 996.273+/-0.121 χ^2/NDF:1631853.2/53

All: 998.395+/-0.086 χ^2/NDF: 3222810.7/103



Right In: 49.117+/-807.176 χ^2/NDF: 29.1/26

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1577.546+/-740.804 χ^2/NDF: 35.2/29

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

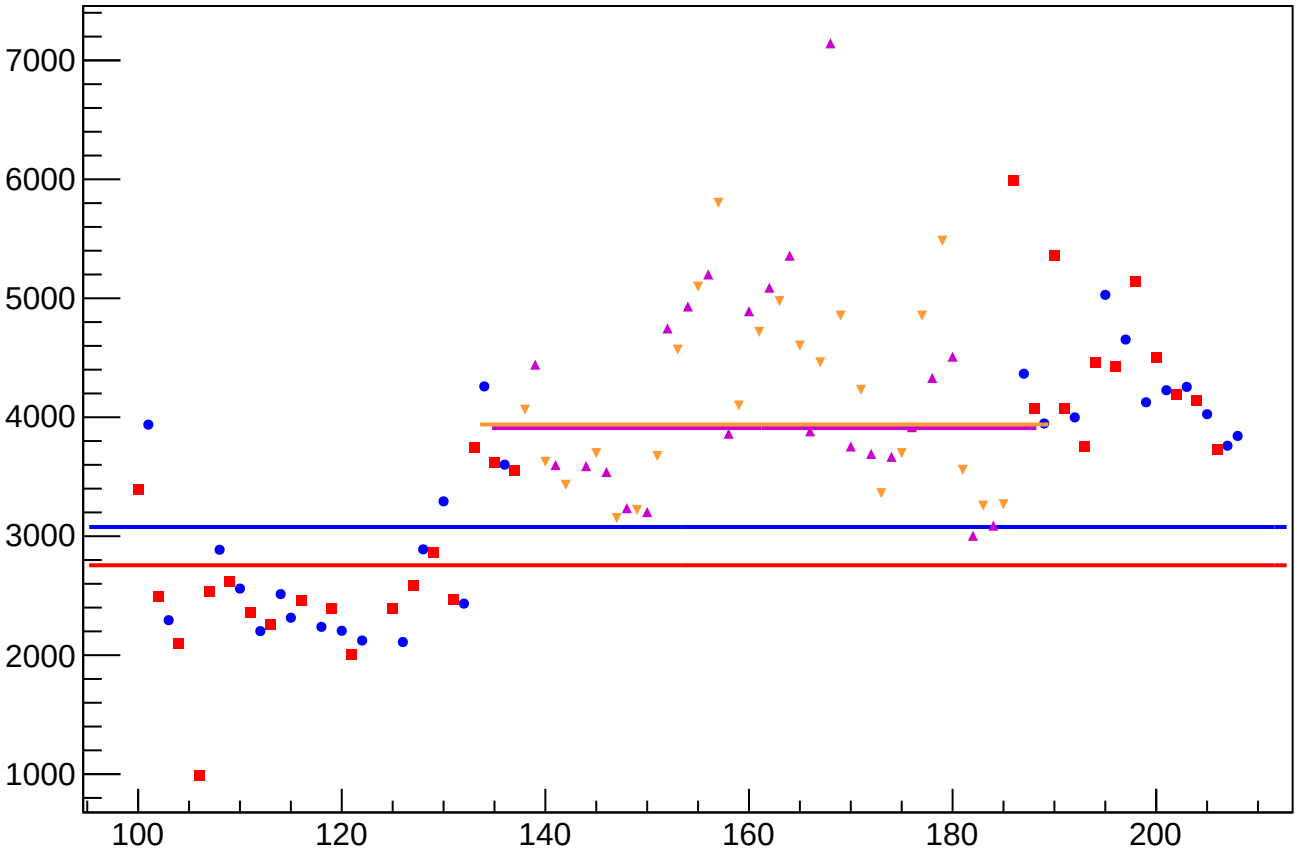
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 878.745+/-545.786 χ^2/NDF: 66.2/56

In: 82.341+/-610.336 χ^2/NDF:42.8/49

Out: 1106.637+/-580.457 χ^2/NDF:66.5/53

All: 620.174+/-420.611 χ^2/NDF: 110.8/103



Right In: 3077.355+/-0.571 χ^2/NDF: 2426750.1/26

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2755.701+/-0.524 χ^2/NDF: 4469058.7/29

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

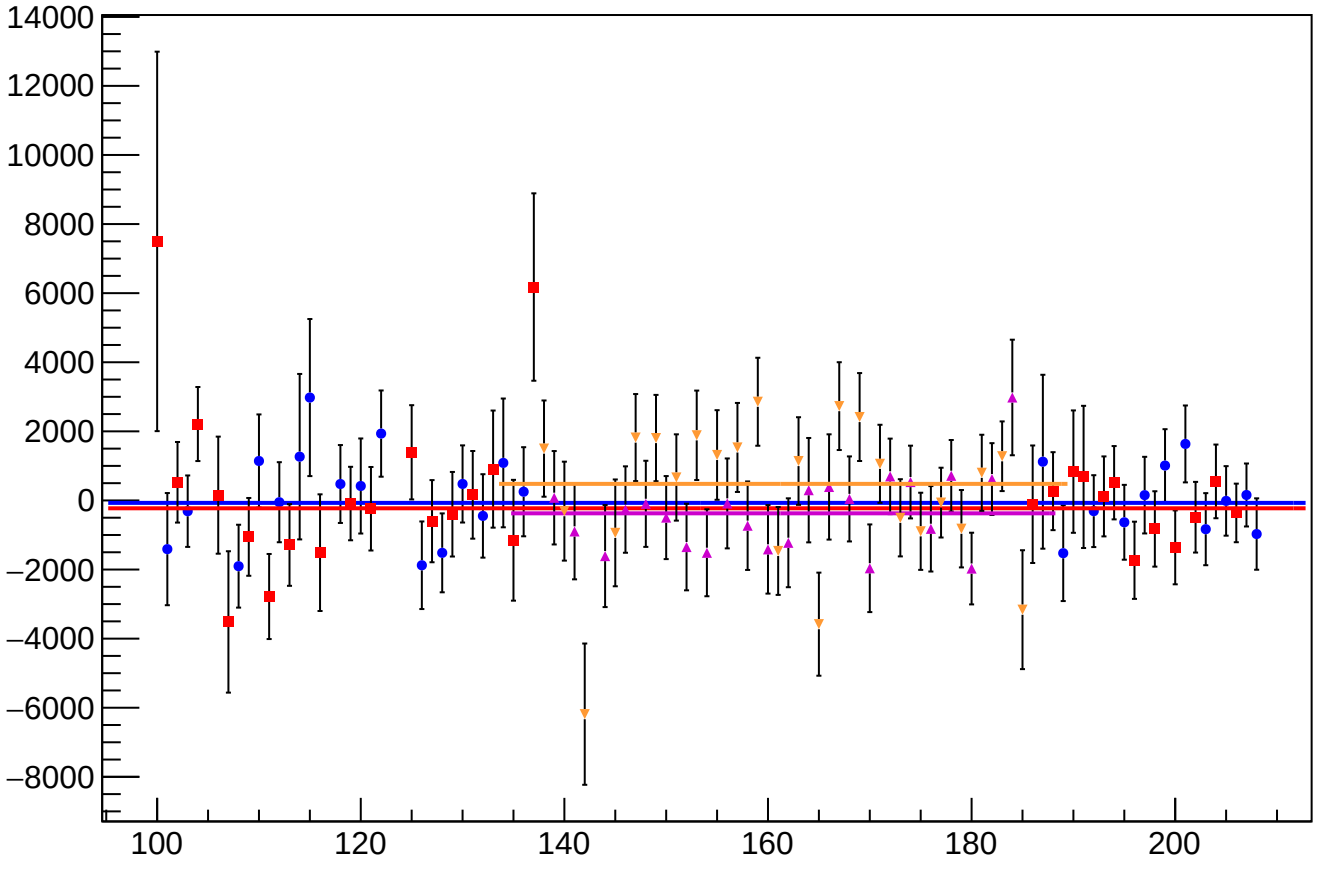
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2902.762+/-0.386 χ^2/NDF: 7068197.5/56

In: 3433.569+/-0.432 χ^2/NDF:4637047.0/49

Out: 3212.613+/-0.410 χ^2/NDF:7532541.9/53

All: 3317.551+/-0.297 χ^2/NDF: 12307223.5/



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -227.507+/-231.141 χ^2/NDF: 29.6/29

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

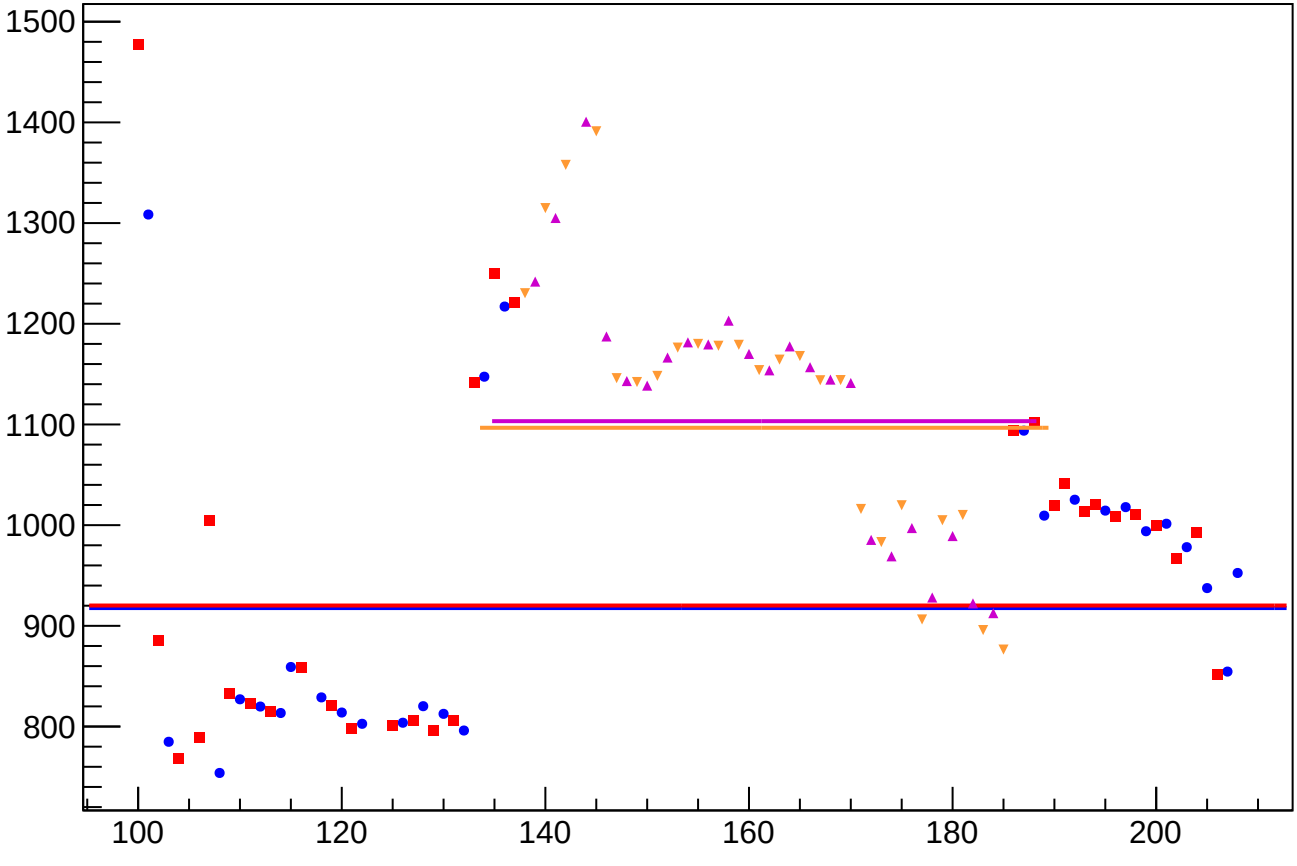
Right: -149.625+/-164.093 χ^2/NDF: 49.6/56

In: -205.574+/-173.313 χ^2/NDF:36.6/49

Out: 89.597+/-171.658 χ^2/NDF:78.9/53

All: -56.572+/-121.961 χ^2/NDF: 117.0/103

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

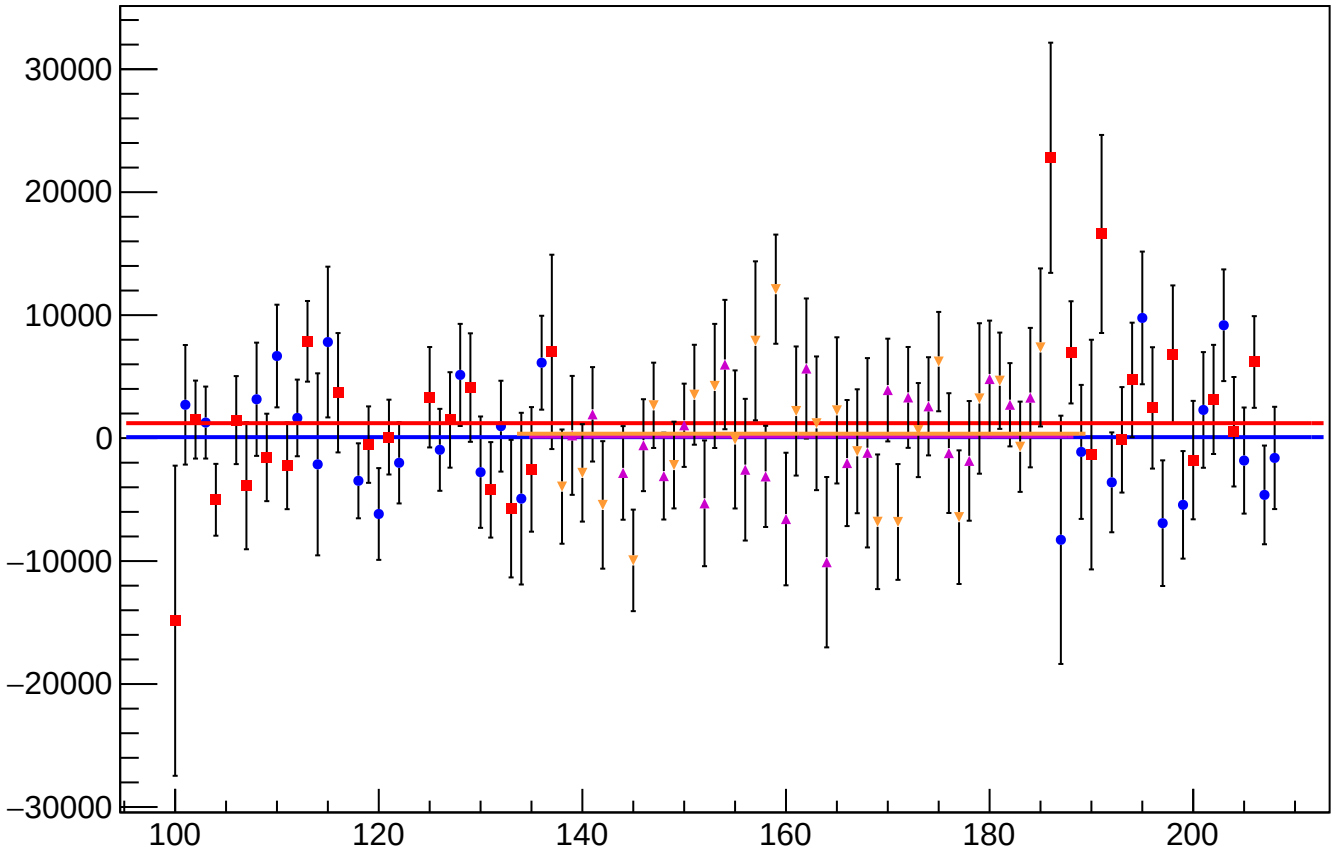
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 918.934+/-0.116 χ^2/NDF: 1119177.3/56

In: 1000.573+/-0.123 χ^2/NDF:1590333.9/49

Out: 999.116+/-0.121 χ^2/NDF:1548212.8/53

All: 999.837+/-0.086 χ^2/NDF: 3138618.1/103



Right In: 77.502+/-806.377 χ^2/NDF: 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1214.580+/-775.762 χ^2/NDF: 33.9/29

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

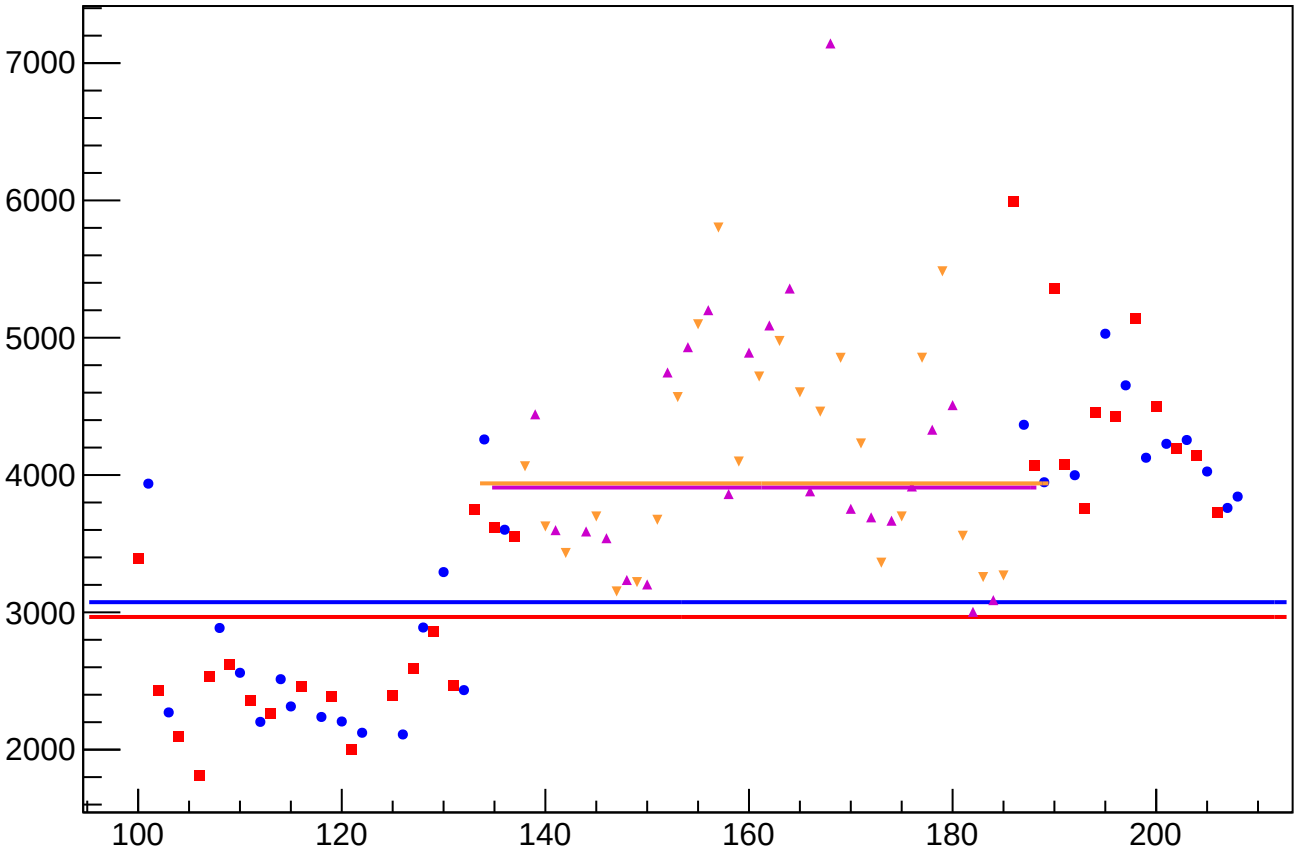
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 668.035+/-559.057 χ^2/NDF: 64.1/56

In: 98.520+/-609.990 χ^2/NDF:42.9/49

Out: 864.880+/-596.822 χ^2/NDF:64.7/53

All: 490.061+/-426.596 χ^2/NDF: 108.4/103



Right In: 3074.047+/-0.570 χ^2/NDF: 2438891.0/26

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2966.242+/-0.549 χ^2/NDF: 2942165.2/29

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

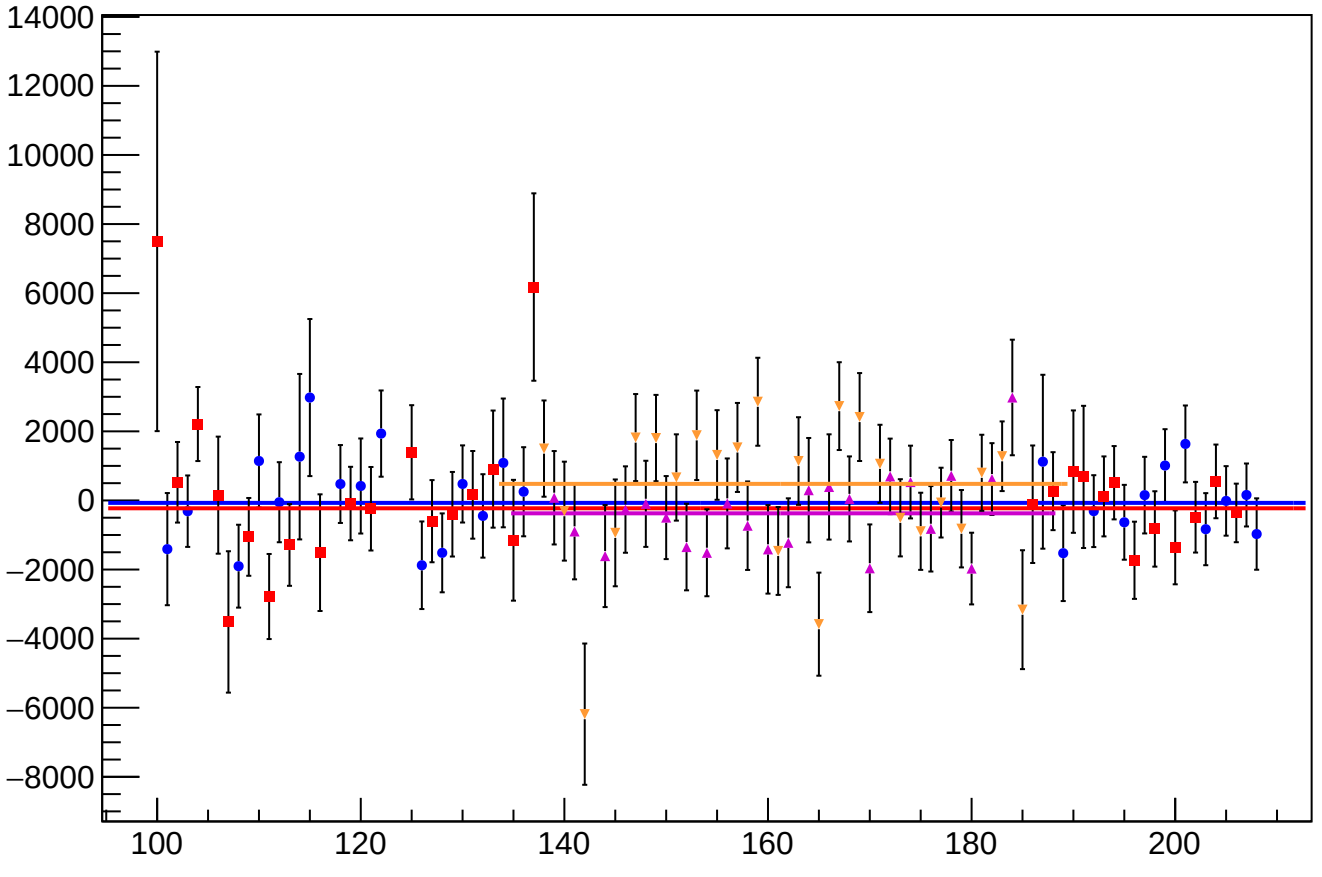
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3018.059+/-0.395 χ^2/NDF: 5399620.9/56

In: 3431.272+/-0.431 χ^2/NDF:4657210.8/49

Out: 3363.354+/-0.422 χ^2/NDF:5318955.6/53

All: 3396.572+/-0.302 χ^2/NDF: 9988833.8/10



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -227.507+/-231.141 χ^2/NDF: 29.6/29

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

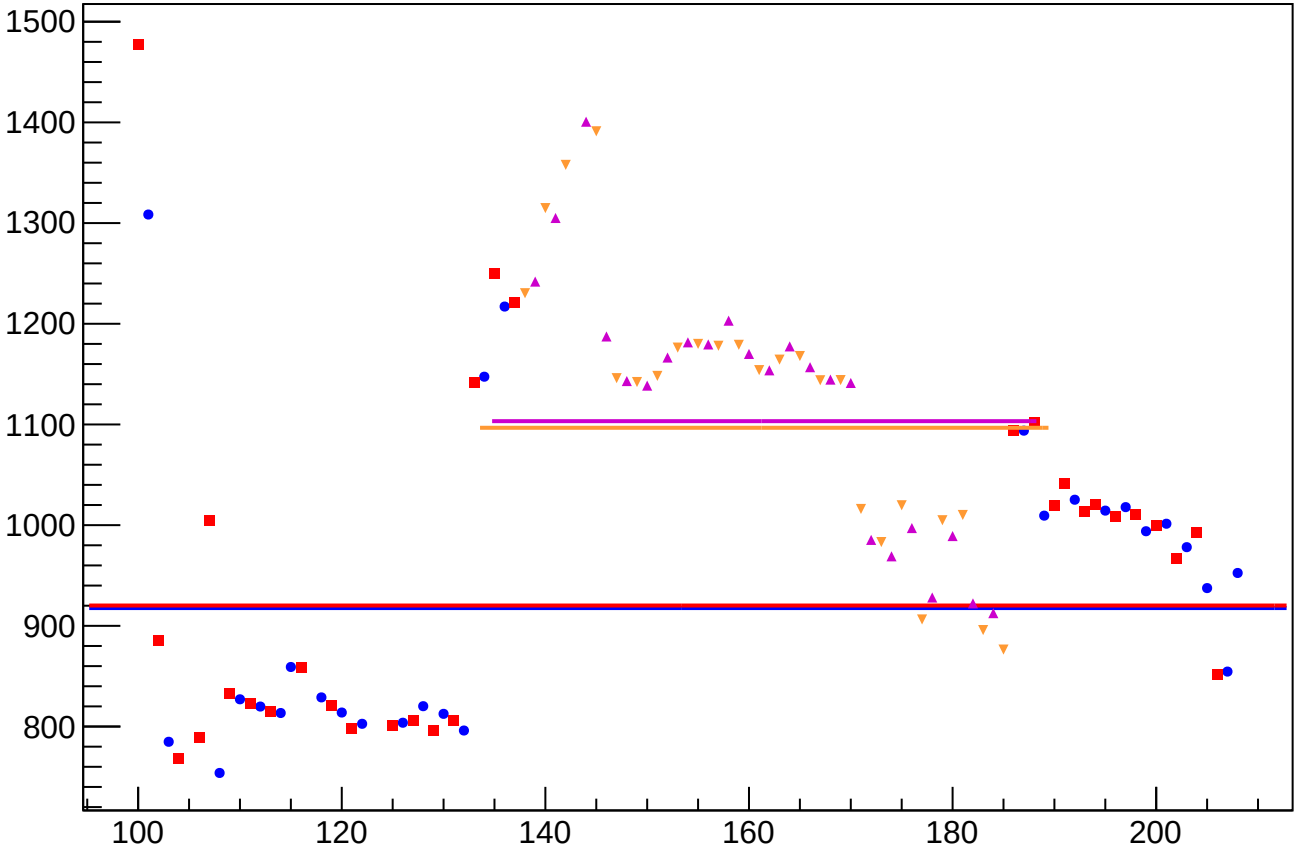
Right: -149.625+/-164.093 χ^2/NDF: 49.6/56

In: -205.574+/-173.313 χ^2/NDF:36.6/49

Out: 89.597+/-171.658 χ^2/NDF:78.9/53

All: -56.572+/-121.961 χ^2/NDF: 117.0/103

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

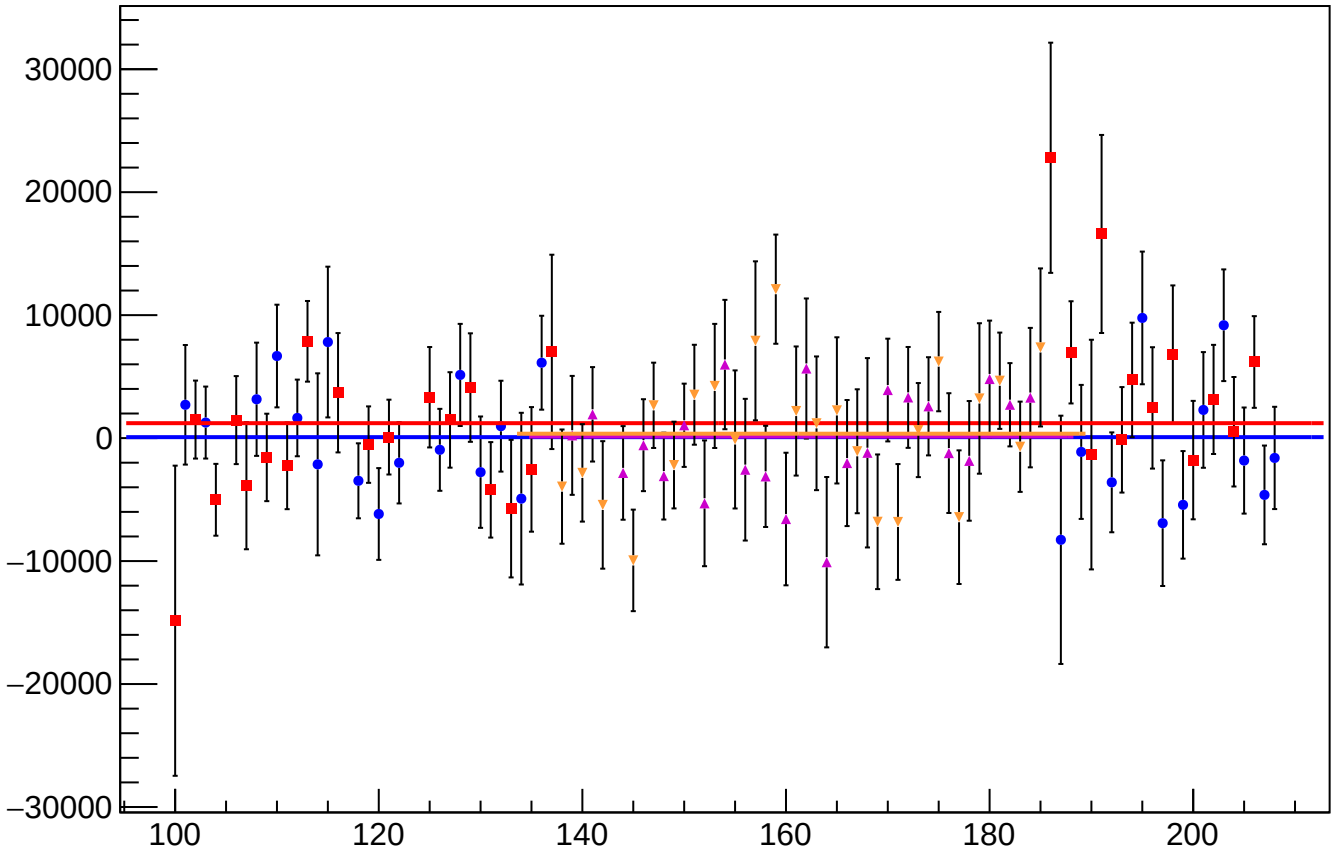
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 918.934+/-0.116 χ^2/NDF: 1119177.3/56

In: 1000.573+/-0.123 χ^2/NDF:1590333.9/49

Out: 999.116+/-0.121 χ^2/NDF:1548212.8/53

All: 999.837+/-0.086 χ^2/NDF: 3138618.1/103



Right In: 77.502+/-806.377 χ^2/NDF: 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1214.580+/-775.762 χ^2/NDF: 33.9/29

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

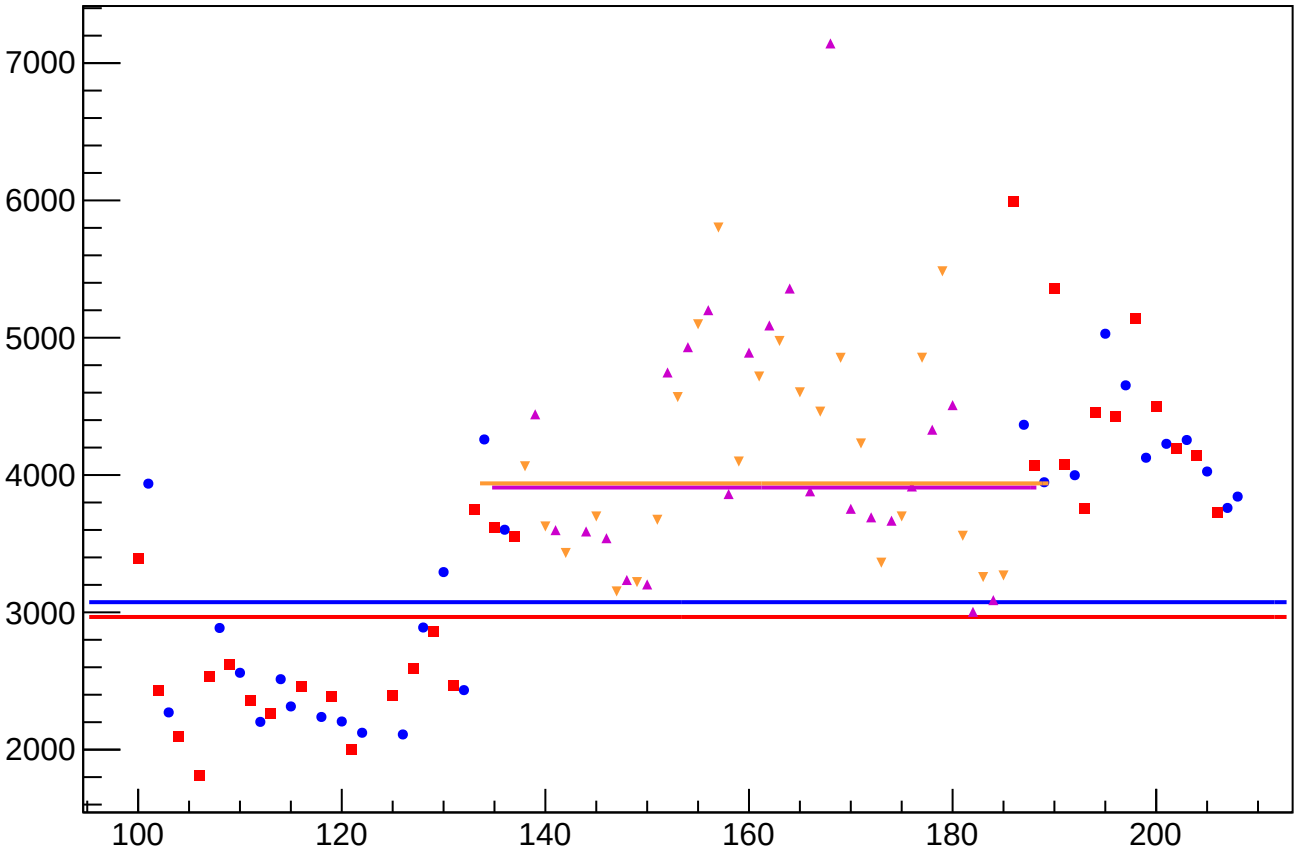
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

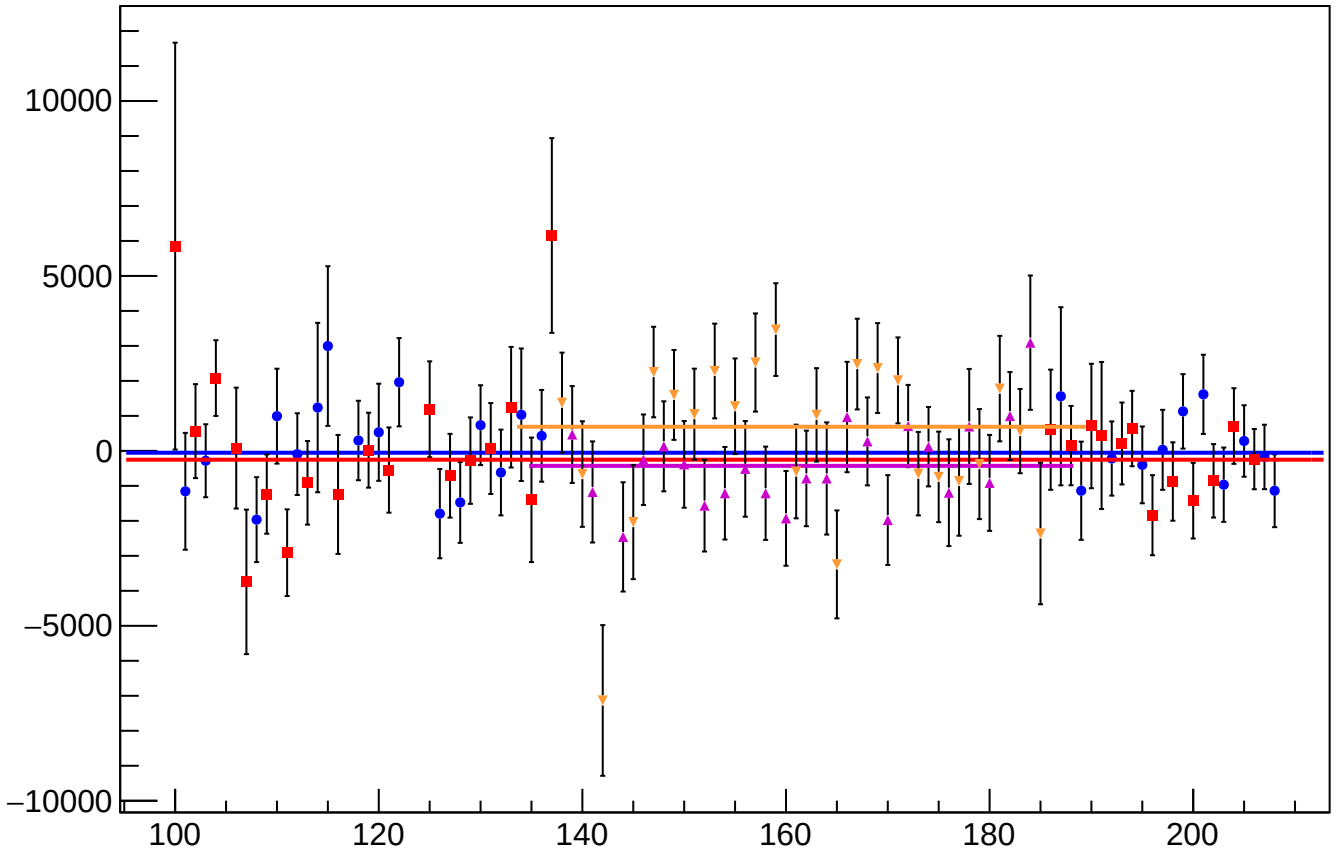
Right: 668.035+/-559.057 χ^2/NDF: 64.1/56

In: 98.520+/-609.990 χ^2/NDF:42.9/49

Out: 864.880+/-596.822 χ^2/NDF:64.7/53

All: 490.061+/-426.596 χ^2/NDF: 108.4/103


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3074.047+/-0.570 χ²/NDF: 2438891.0/26
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2966.242+/-0.549 χ²/NDF: 2942165.2/29
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3018.059+/-0.395 χ²/NDF: 5399620.9/56
In: 3431.272+/-0.431 χ²/NDF:4657210.8/49
Out: 3363.354+/-0.422 χ²/NDF:5318955.6/53
All: 3396.572+/-0.302 χ²/NDF: 9988833.8/10



Right In: -52.852+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -252.006+/-235.242 χ^2/NDF: 29.1/29

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

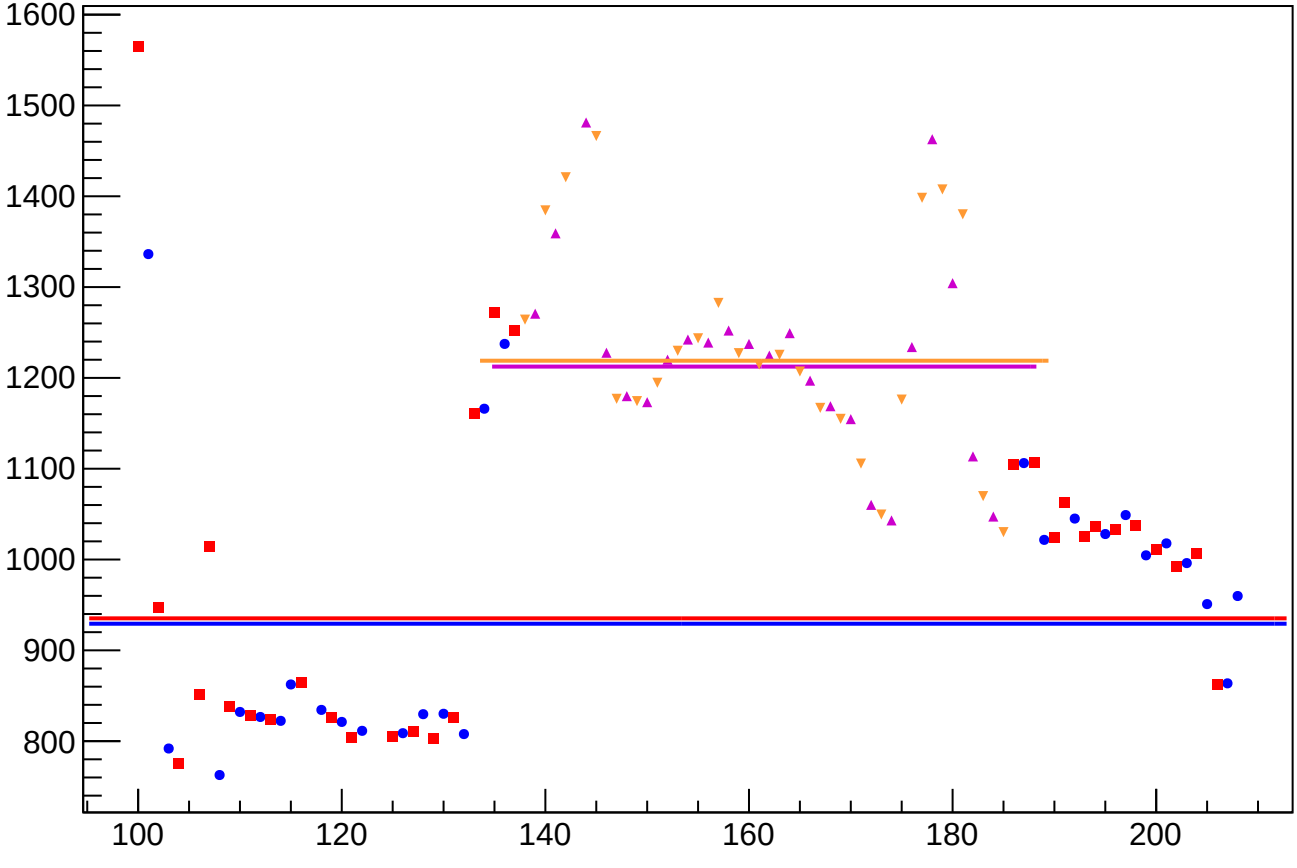
Right: -152.802+/-166.652 χ^2/NDF: 48.9/56

In: -205.962+/-181.666 χ^2/NDF:35.1/49

Out: 130.322+/-181.265 χ^2/NDF:81.3/53

All: -37.448+/-128.315 χ^2/NDF: 118.2/103

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 929.308+/-0.167 χ^2/NDF: 598555.2/26

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554723.3/29

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

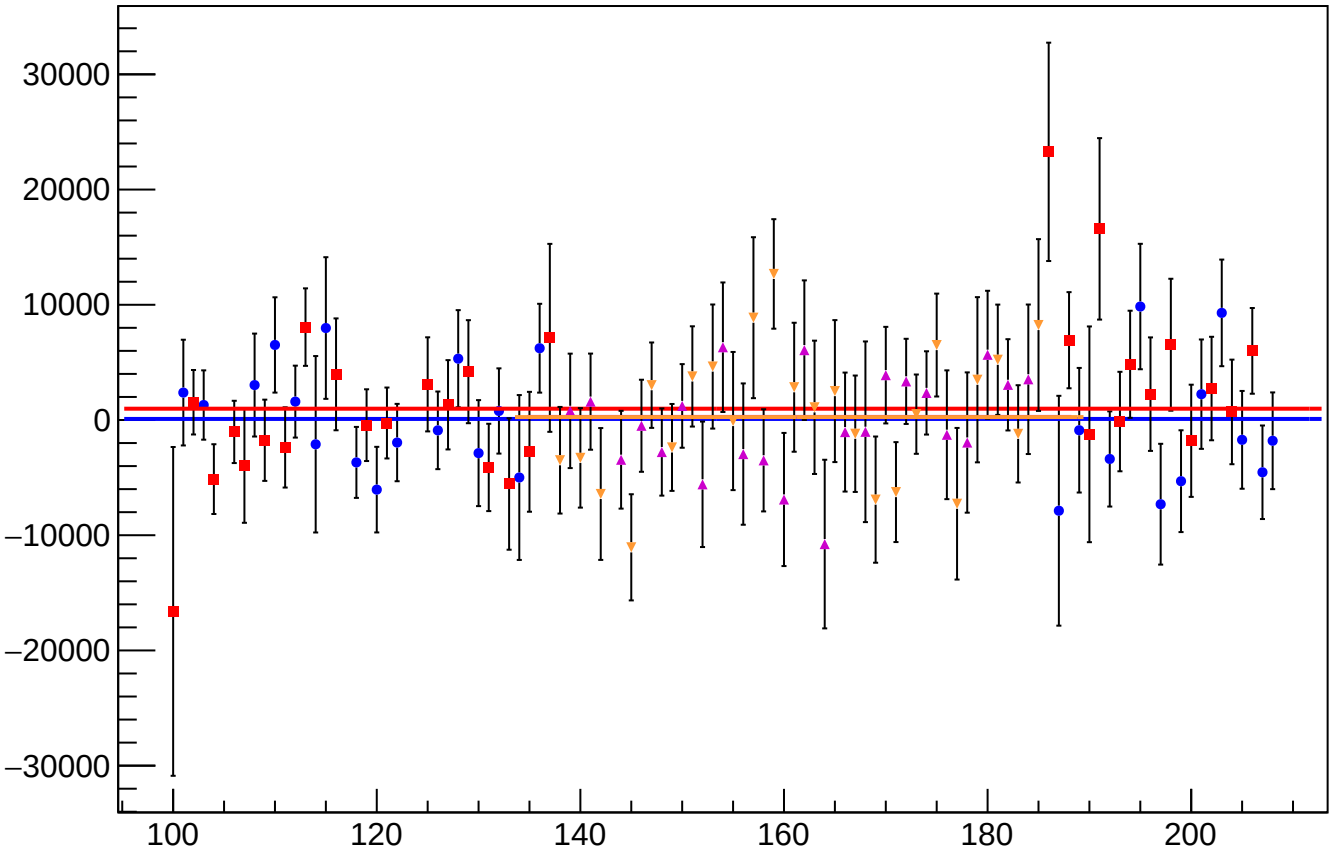
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 932.278+/-0.118 χ^2/NDF: 1153908.8/56

In: 1044.850+/-0.128 χ^2/NDF:2032393.4/49

Out: 1050.412+/-0.128 χ^2/NDF:2030867.4/53

All: 1047.638+/-0.091 χ^2/NDF: 4064200.5/10



Right In: 92.368+/-811.329 χ^2/NDF: 28.9/26

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 980.937+/-760.002 χ^2/NDF: 34.5/29

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

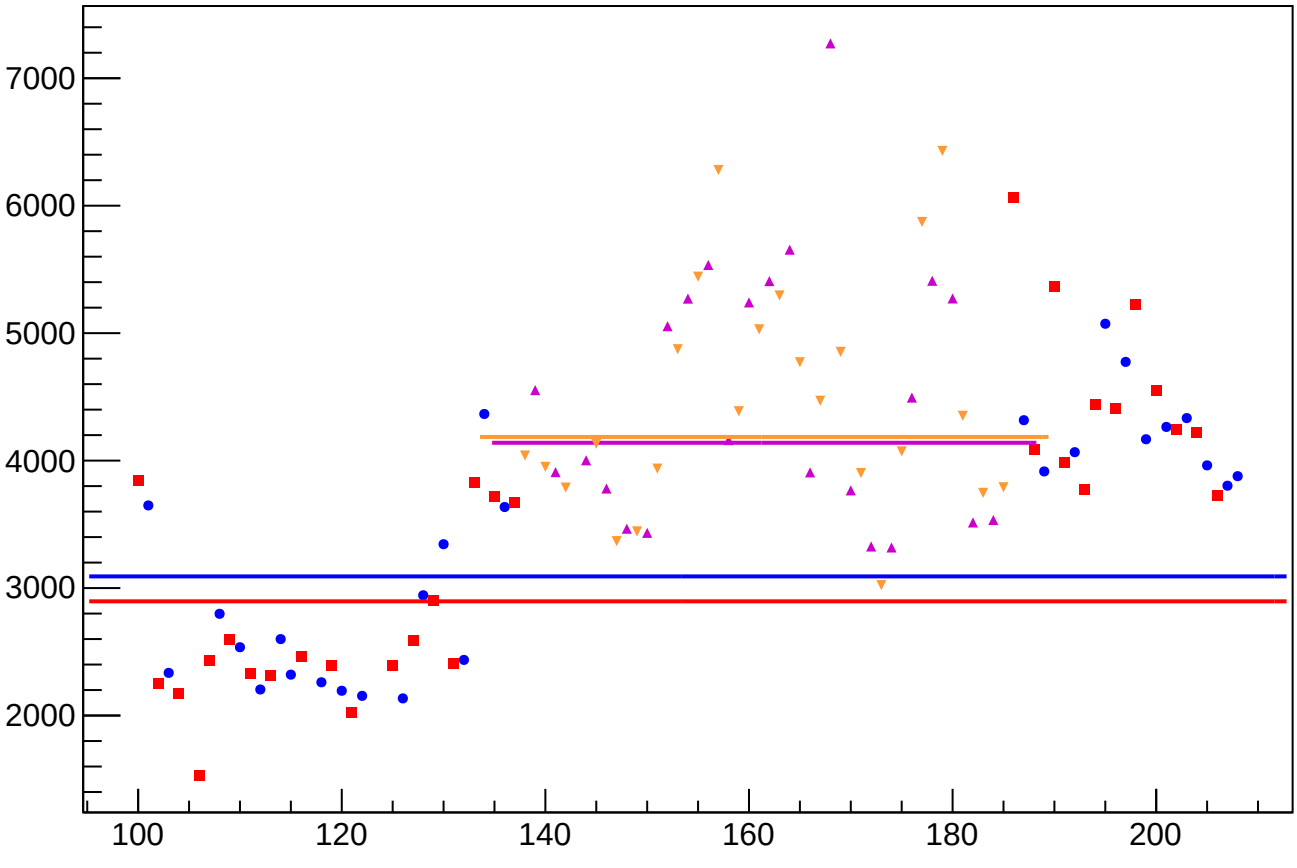
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 565.646+/-554.661 χ^2/NDF: 64.0/56

In: 162.217+/-627.542 χ^2/NDF:42.3/49

Out: 712.702+/-604.005 χ^2/NDF:64.5/53

All: 447.976+/-435.179 χ^2/NDF: 107.3/103



Right In: 3091.615+/-0.574 χ^2/NDF: 2415841.7/26

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2895.996+/-0.537 χ^2/NDF: 3381350.8/29

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

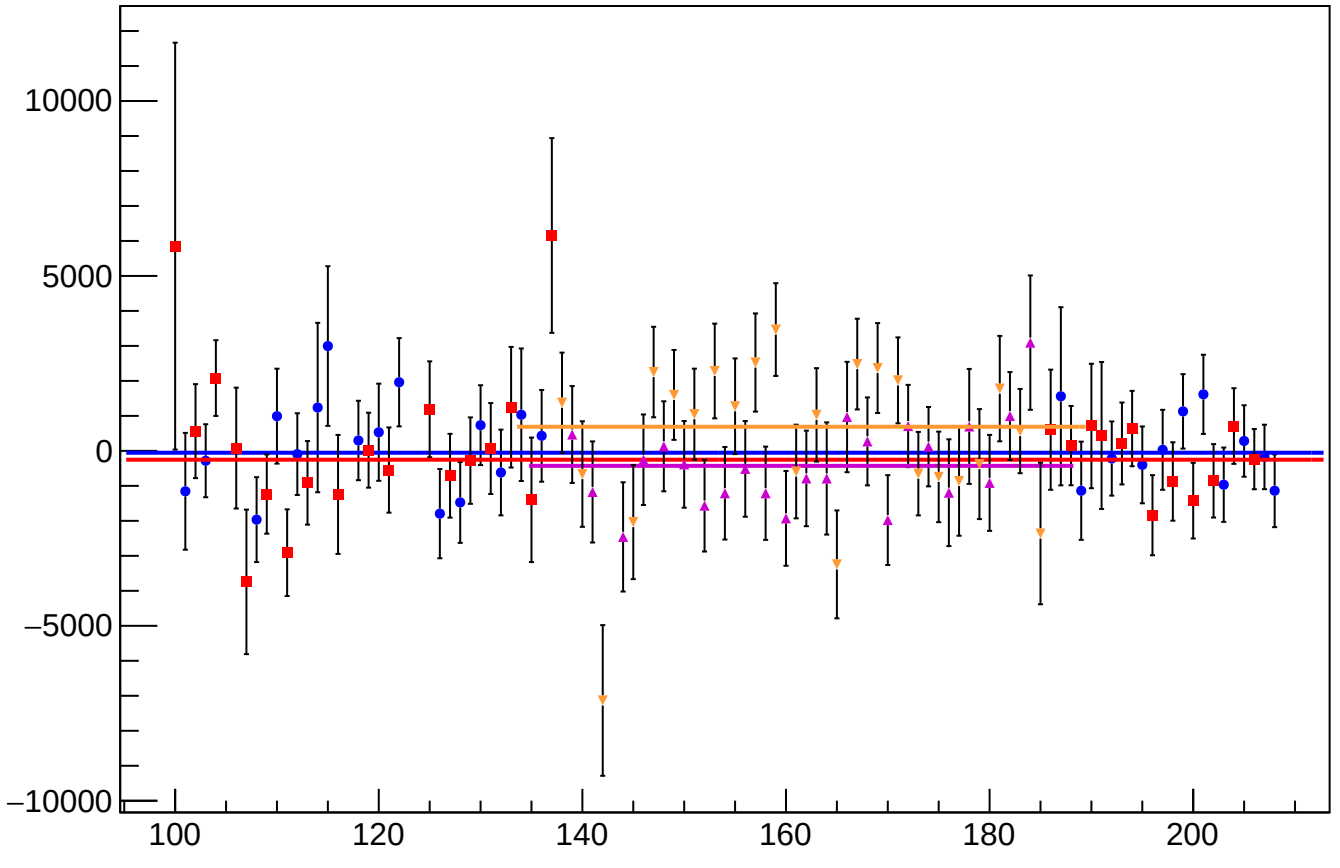
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2987.423+/-0.392 χ^2/NDF: 5859119.8/56

In: 3512.812+/-0.444 χ^2/NDF:5207487.9/49

Out: 3371.090+/-0.427 χ^2/NDF:6774155.9/53

All: 3439.243+/-0.308 χ^2/NDF: 12034594.6/



Right In: -52.854+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -252.007+/-235.242 χ^2/NDF: 29.1/29

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

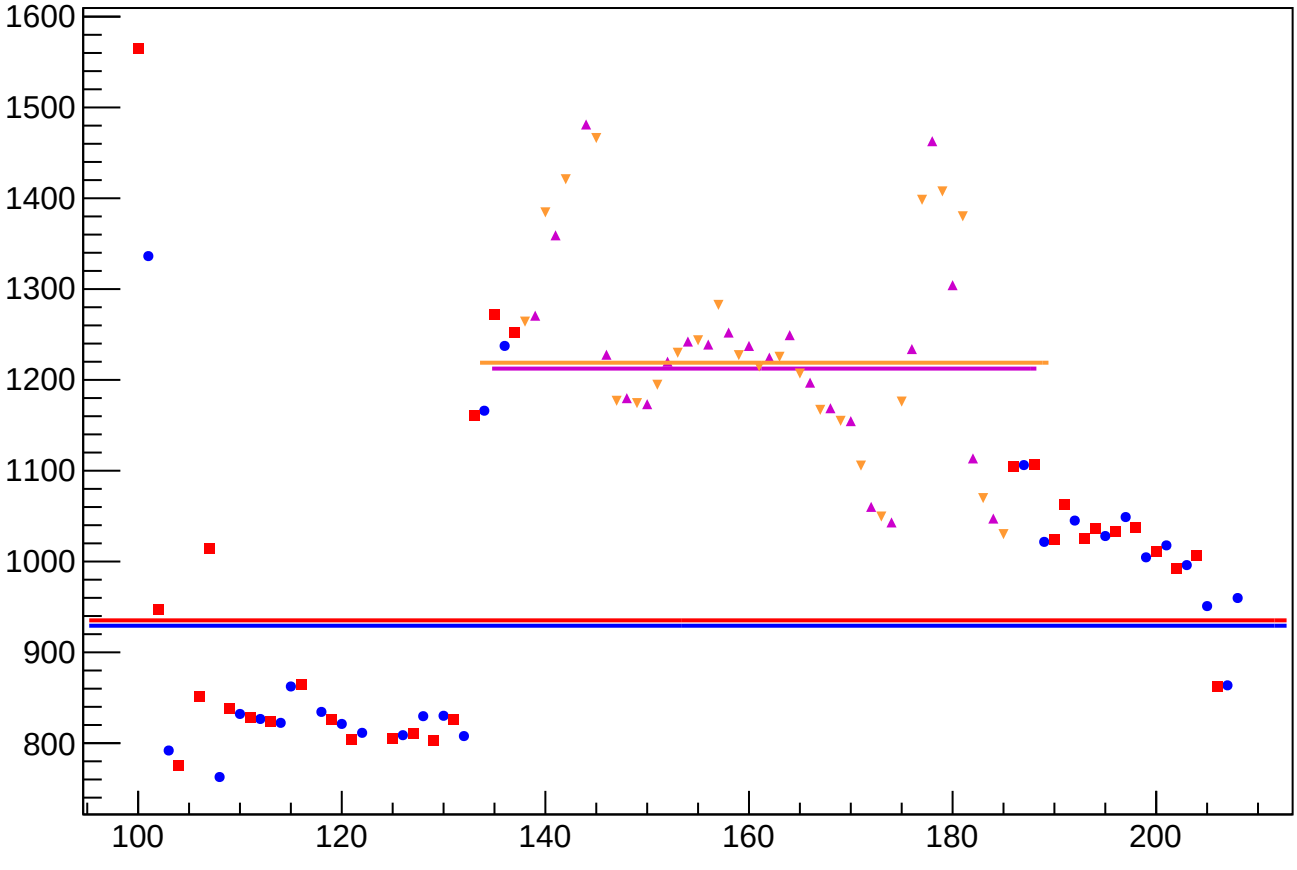
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -152.803+/-166.652 χ^2/NDF: 48.9/56

In: -205.962+/-181.666 χ^2/NDF:35.1/49

Out: 130.322+/-181.265 χ^2/NDF:81.3/53

All: -37.448+/-128.315 χ^2/NDF: 118.2/103



Right In: 929.308+/-0.167 χ^2/NDF: 598555.0/26

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554724.0/29

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

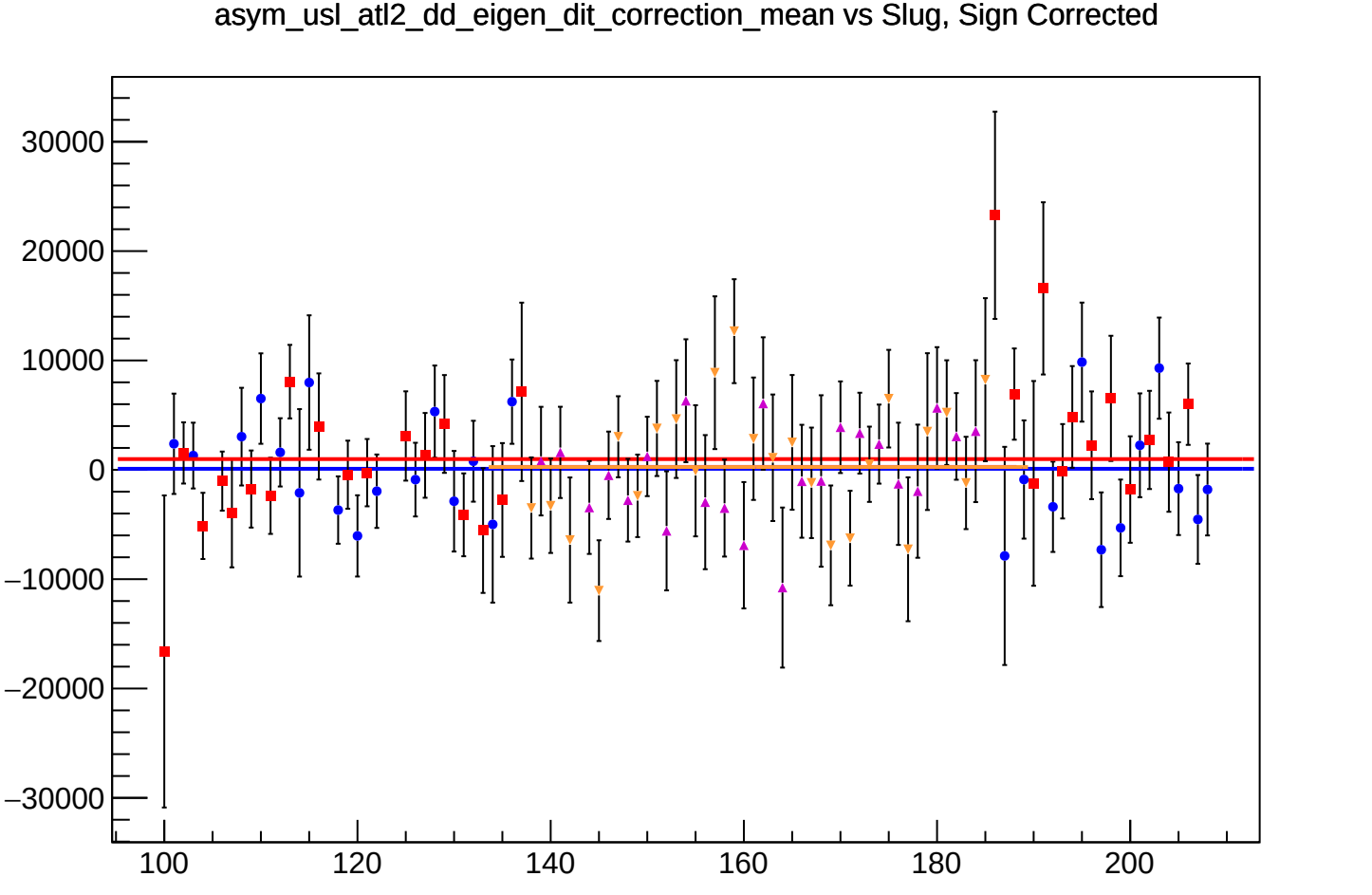
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 932.278+/-0.118 χ^2/NDF: 1153909.3/56

In: 1044.850+/-0.128 χ^2/NDF:2032409.5/49

Out: 1050.412+/-0.128 χ^2/NDF:2030885.6/53

All: 1047.638+/-0.091 χ^2/NDF: 4064234.6/10



Right In: 92.367+/-811.328 χ^2/NDF: 28.9/26

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 980.931+/-760.001 χ^2/NDF: 34.5/29

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

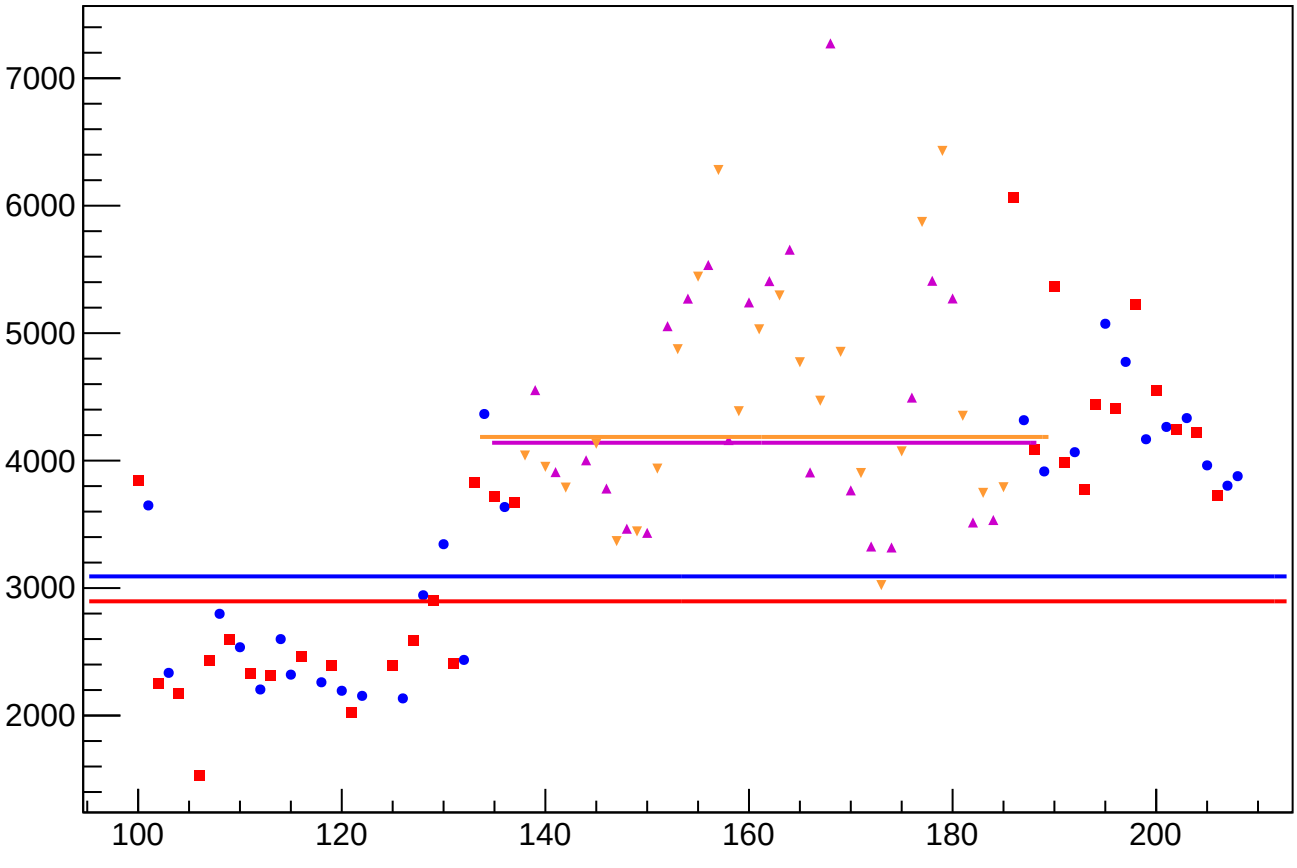
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 565.643+/-554.660 χ^2/NDF: 64.0/56

In: 162.216+/-627.542 χ^2/NDF:42.3/49

Out: 712.700+/-604.004 χ^2/NDF:64.5/53

All: 447.975+/-435.179 χ^2/NDF: 107.3/103



Right In: 3091.609+/-0.574 χ^2/NDF: 2415884.4/26

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2895.990+/-0.537 χ^2/NDF: 3381387.8/29

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

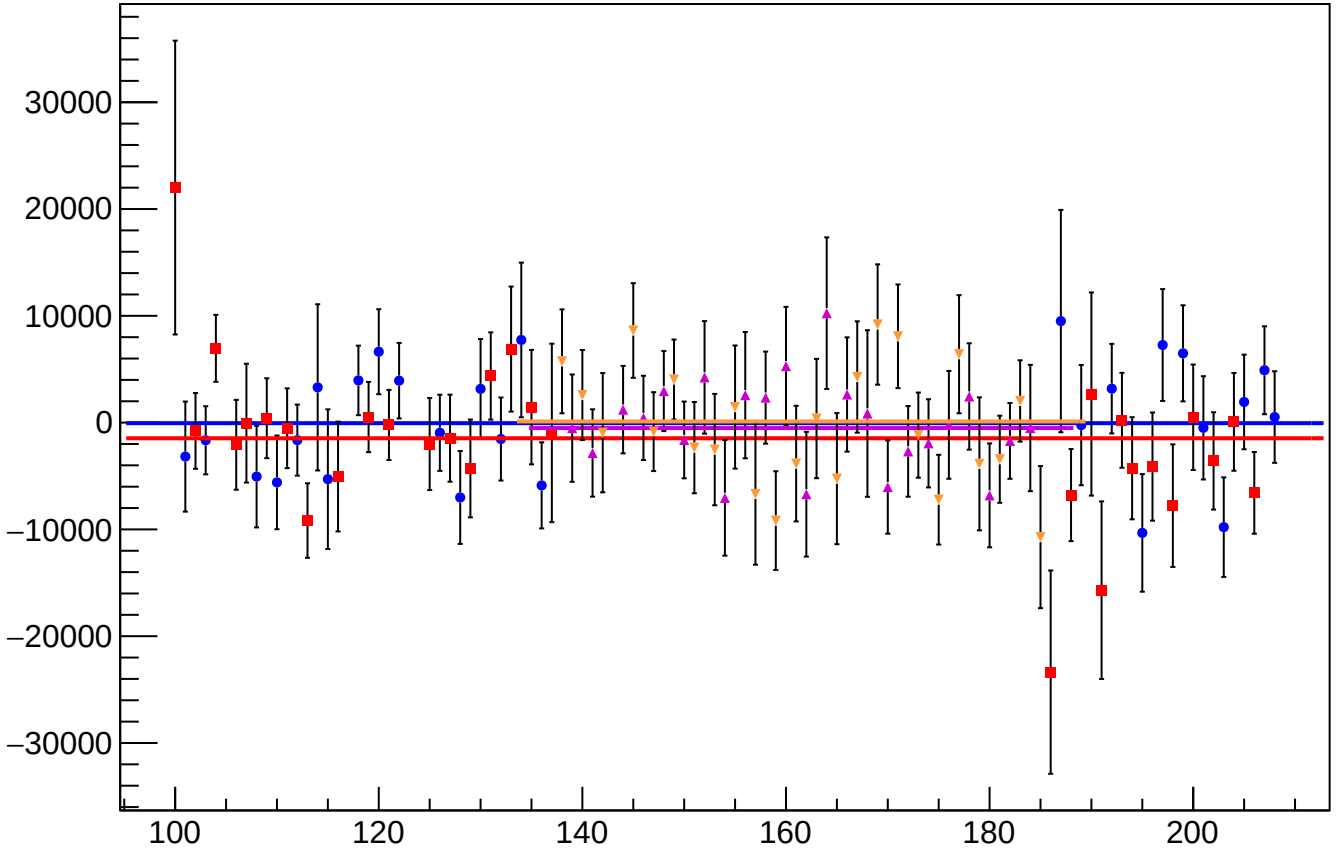
Right: 2987.417+/-0.392 χ^2/NDF: 5859199.5/56

In: 3512.809+/-0.444 χ^2/NDF:5207564.8/49

Out: 3371.087+/-0.427 χ^2/NDF:6774235.1/53

All: 3439.240+/-0.308 χ^2/NDF: 12034751.0/

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -51.837+/-847.080 χ^2/NDF: 31.5/26

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1465.898+/-821.180 χ^2/NDF: 35.4/29

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

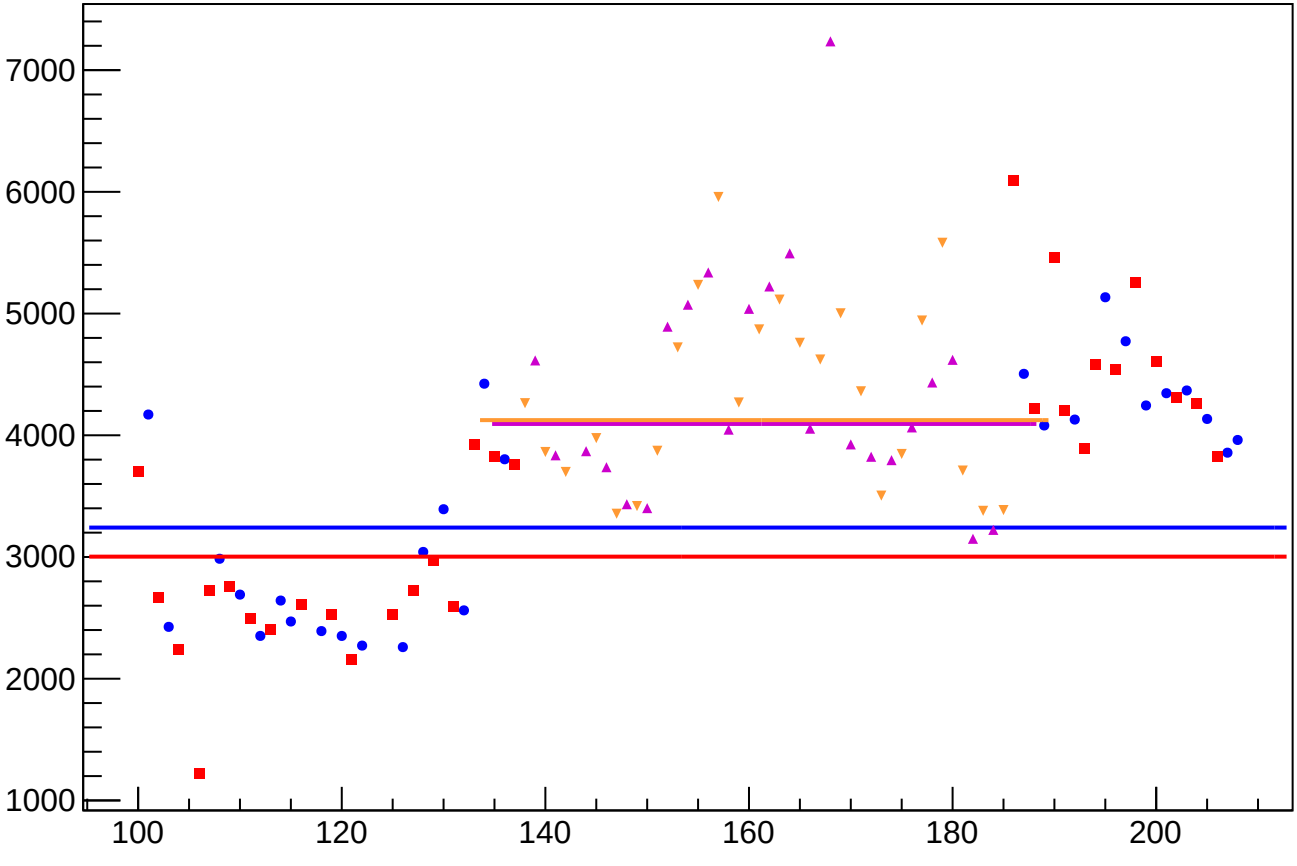
Right: -780.816+/-589.606 χ^2/NDF: 68.3/56

In: -248.682+/-639.220 χ^2/NDF:45.1/49

Out: -812.820+/-628.249 χ^2/NDF:64.9/53

All: -535.633+/-448.068 χ^2/NDF: 110.5/103

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3241.770+/-0.599 χ^2/NDF: 2187393.2/26

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3002.945+/-0.562 χ^2/NDF: 3553772.8/29

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

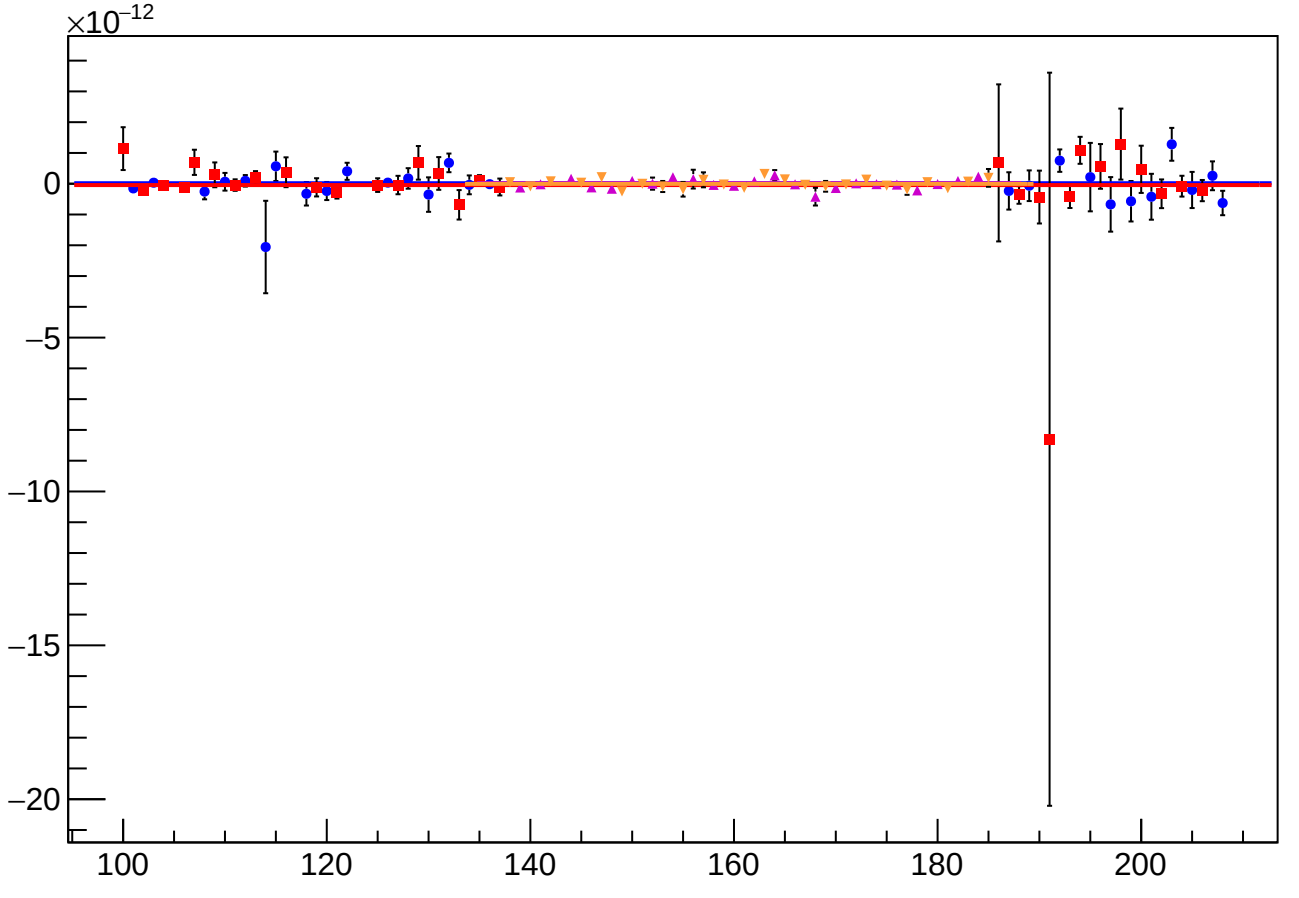
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3114.747+/-0.410 χ^2/NDF: 5825722.5/56

In: 3608.300+/-0.452 χ^2/NDF:4219948.5/49

Out: 3450.298+/-0.436 χ^2/NDF:6112551.3/53

All: 3526.397+/-0.314 χ^2/NDF: 10395841.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

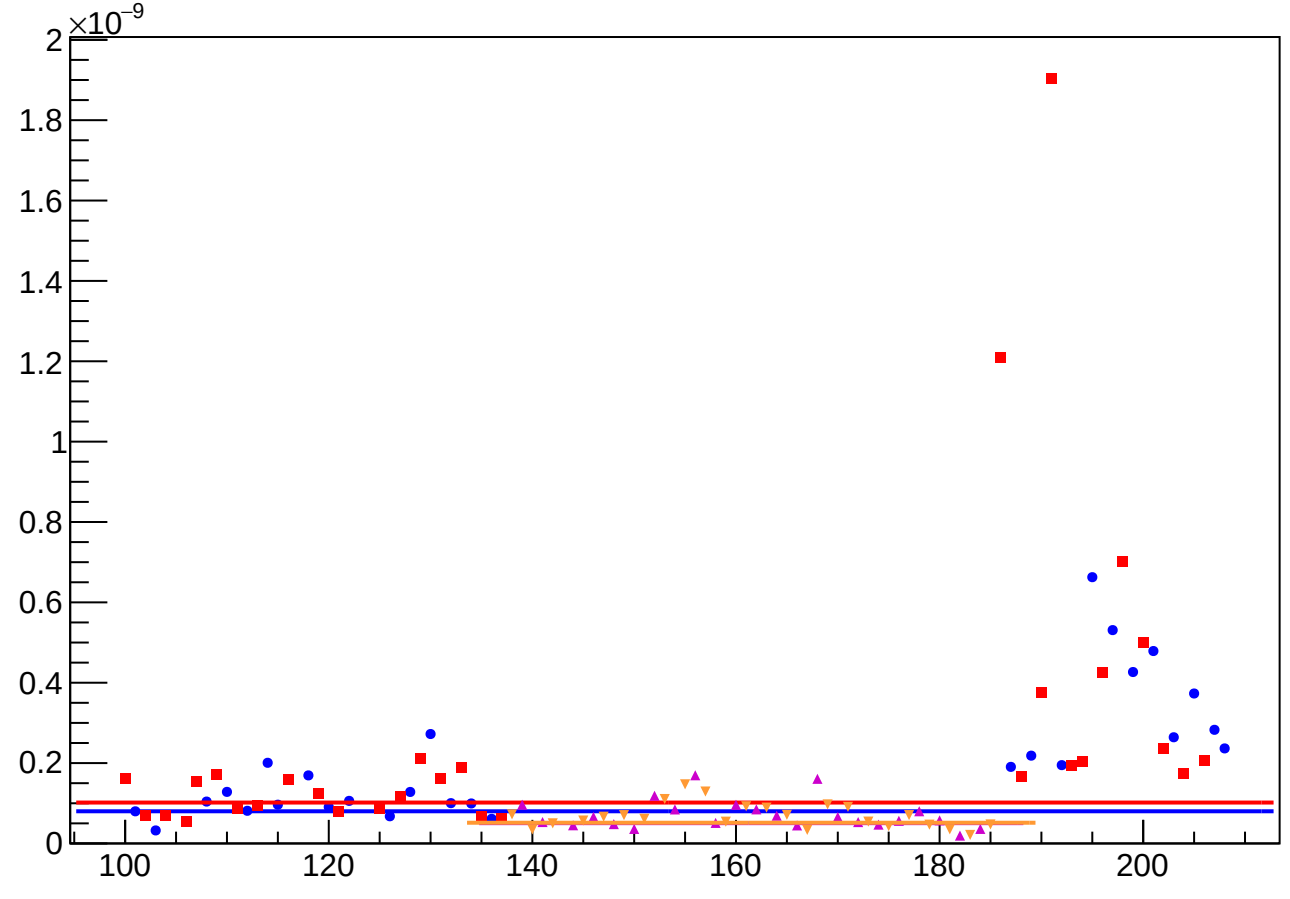
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 60.6/56

In: 0.000+/-0.000 χ^2/NDF:55.8/49

Out: -0.000+/-0.000 χ^2/NDF:54.3/53

All: 0.000+/-0.000 χ^2/NDF: 111.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 5489428.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3802073.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

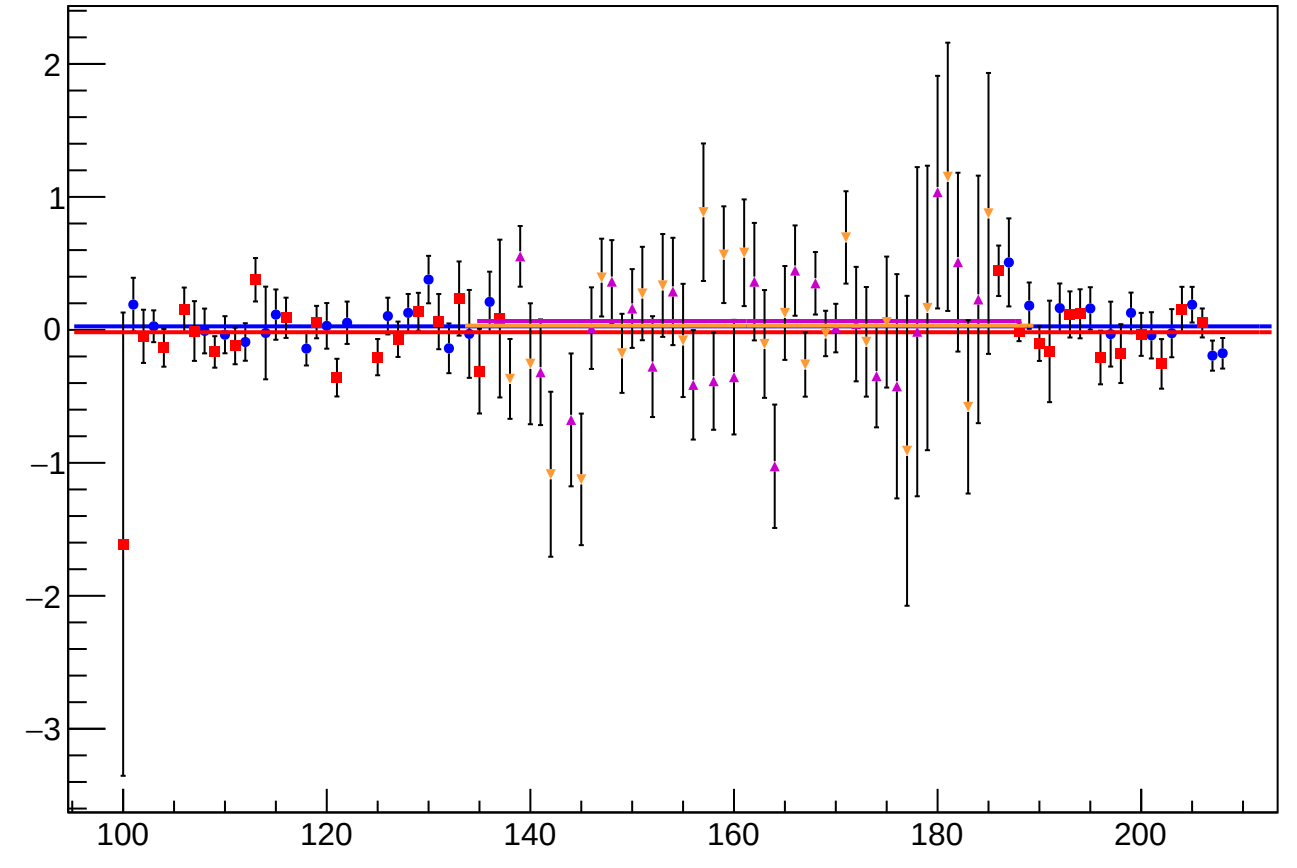
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 9511812.5/56

In: 0.000+/-0.000 χ^2/NDF:8684597.0/49

Out: 0.000+/-0.000 χ^2/NDF:7767670.7/53

All: 0.000+/-0.000 χ^2/NDF: 16477762.2/103



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

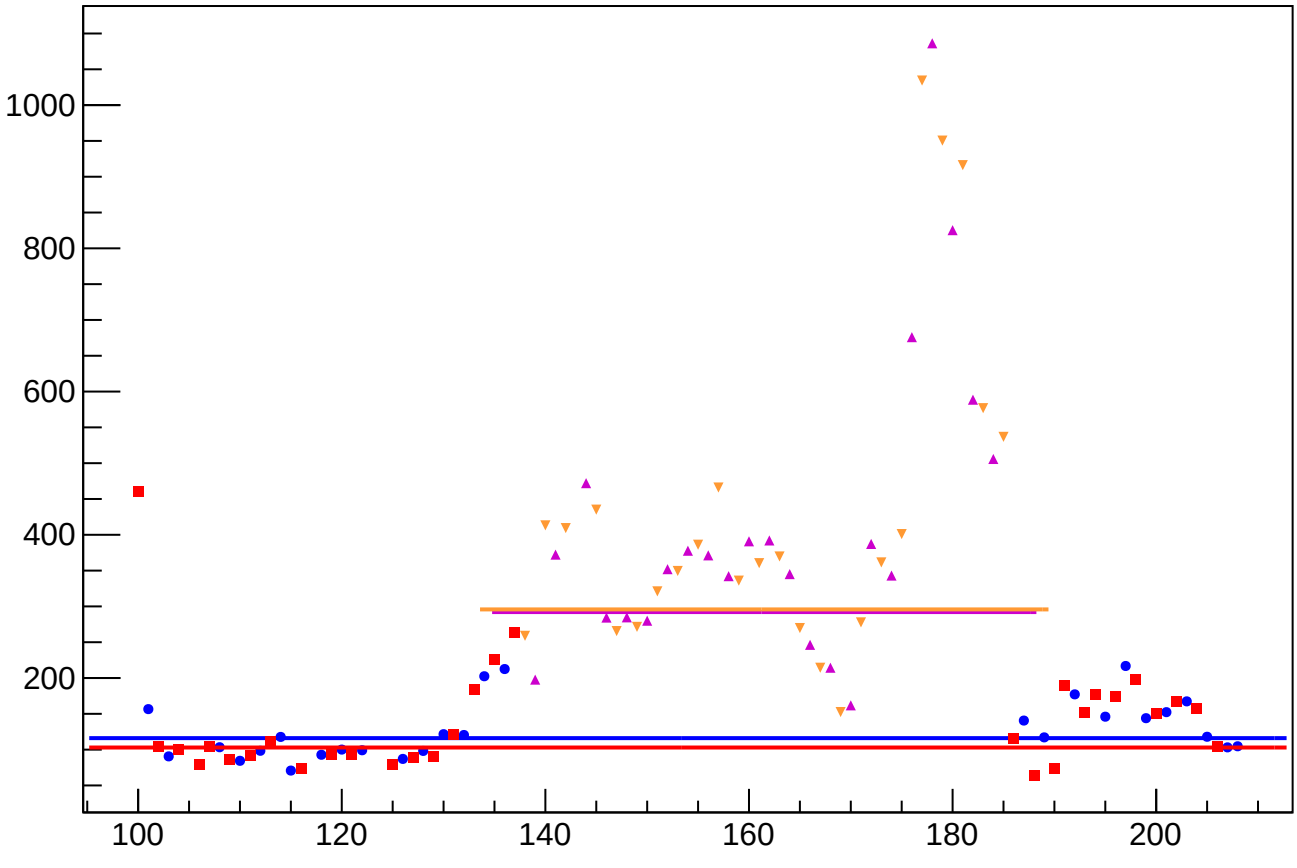
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.002+/-0.021 χ^2/NDF: 58.6/56

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.009+/-0.019 χ^2/NDF: 114.8/103



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

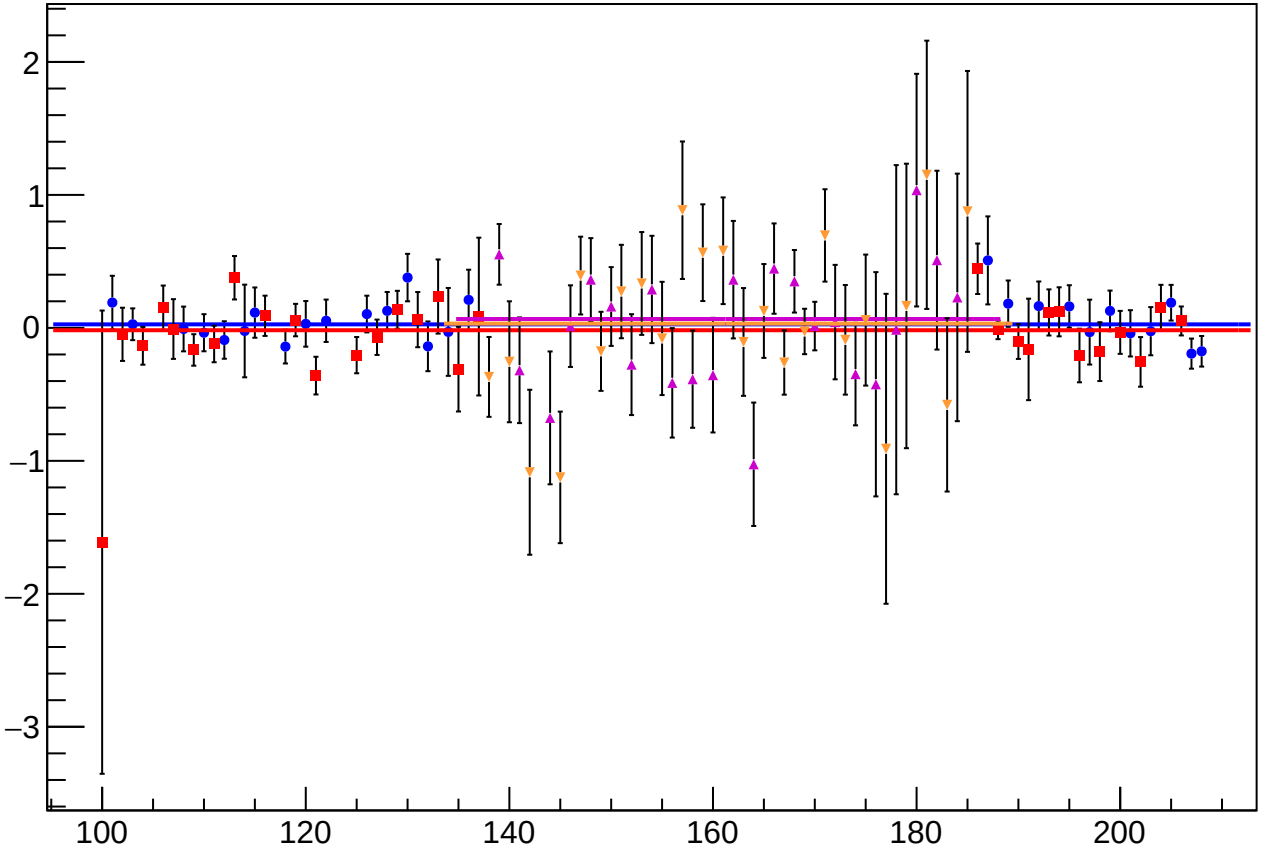
Right: 108.893+/-0.015 χ^2/NDF: 5926688.3/56

In: 141.994+/-0.020 χ^2/NDF:16682063.0/49

Out: 126.360+/-0.019 χ^2/NDF:20384374.0/53

All: 133.554+/-0.014 χ^2/NDF: 37387346.9/10

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

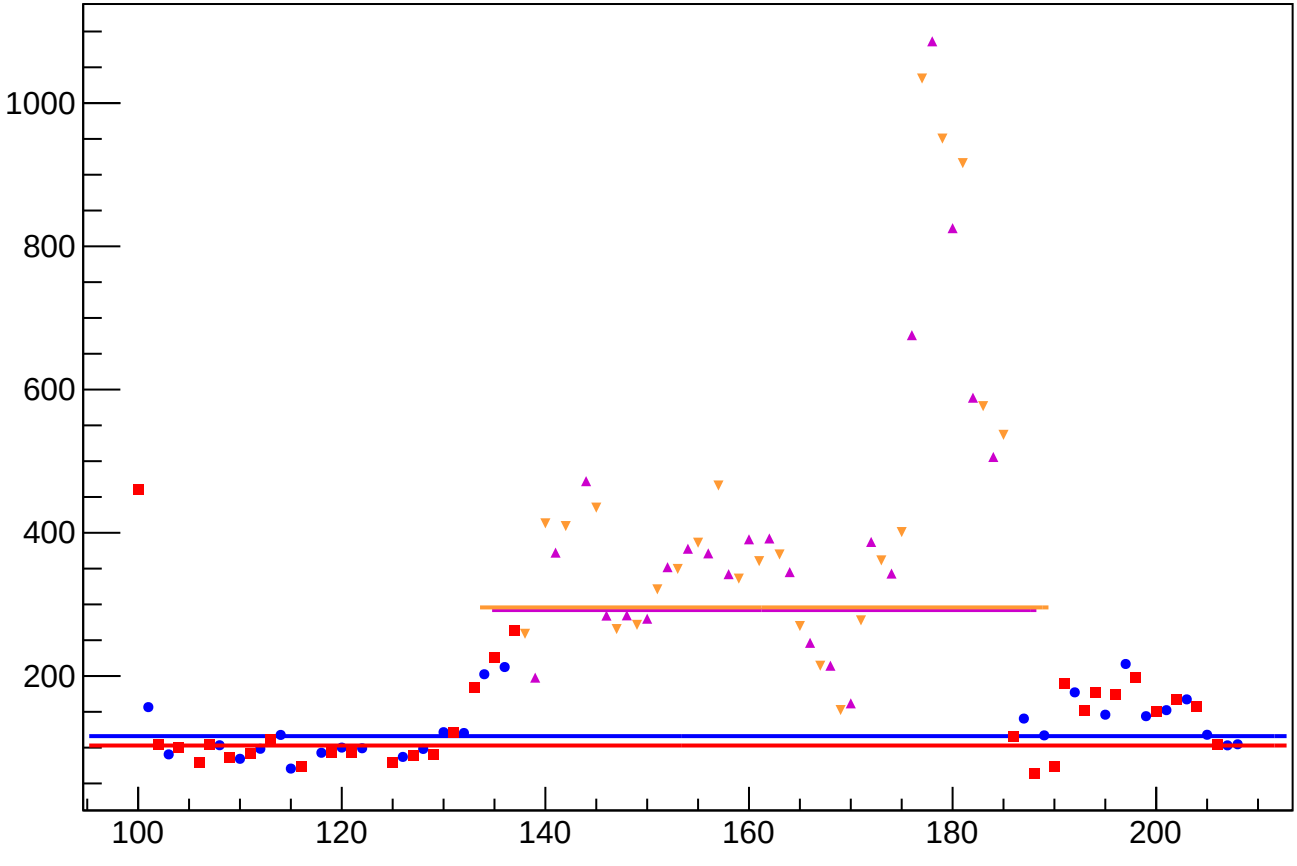
Right: 0.002+/-0.021 χ^2/NDF: 58.6/56

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.009+/-0.019 χ^2/NDF: 114.8/103

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

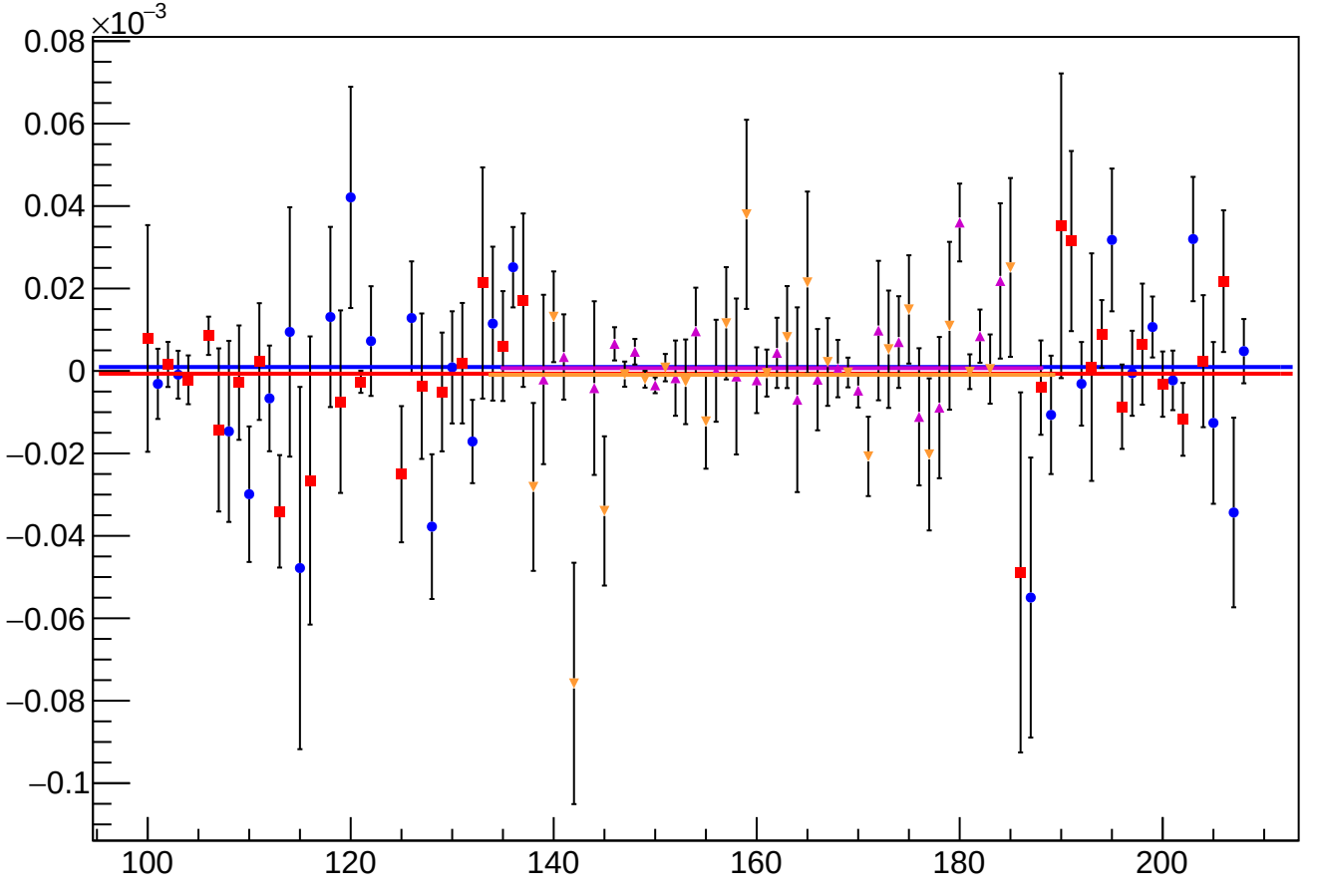
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 108.893+/-0.015 χ^2/NDF: 5926688.3/56

In: 141.994+/-0.020 χ^2/NDF:16682063.0/49

Out: 126.360+/-0.019 χ^2/NDF:20384374.0/53

All: 133.554+/-0.014 χ^2/NDF: 37387346.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

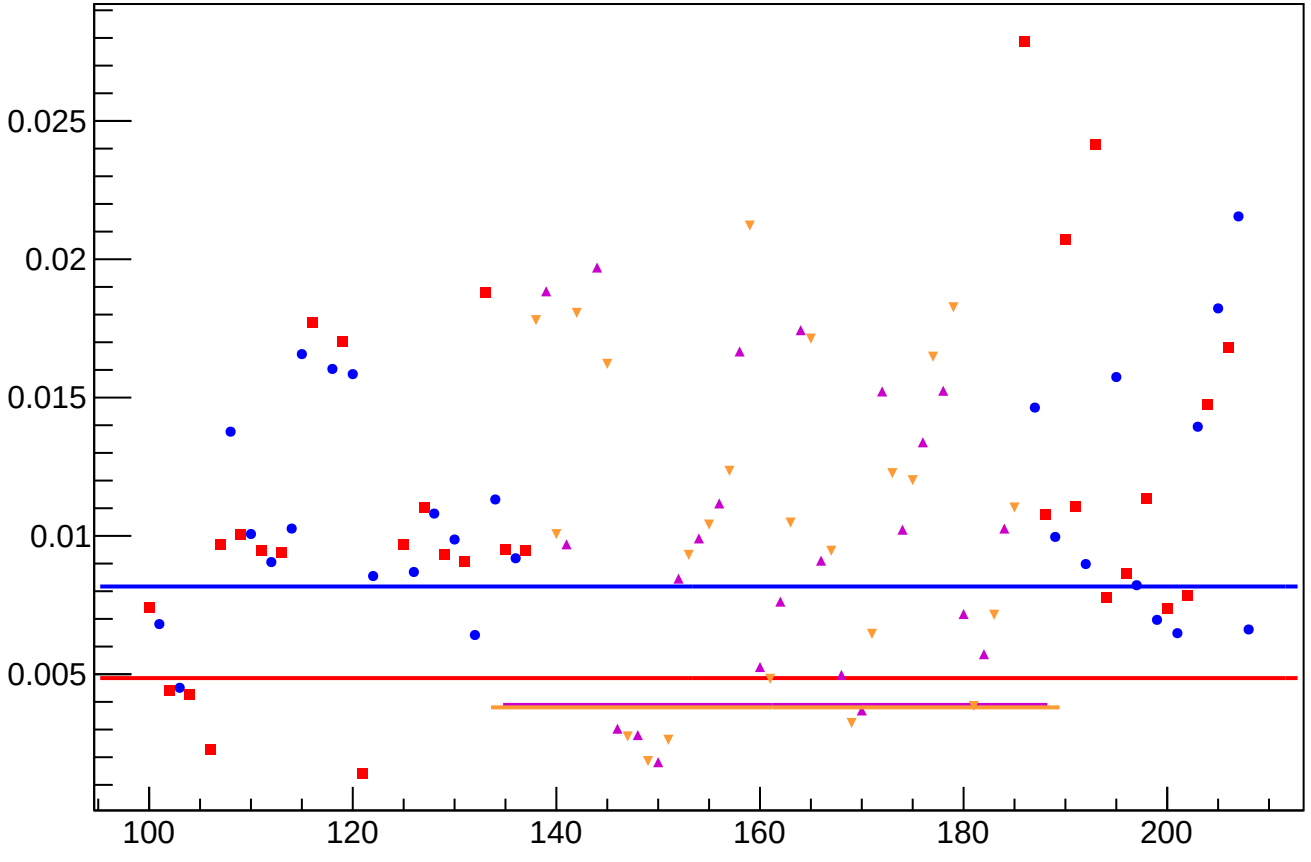
Right: -0.000+/-0.000 χ^2/NDF: 66.4/56

In: 0.000+/-0.000 χ^2/NDF:70.0/49

Out: -0.000+/-0.000 χ^2/NDF:55.0/53

All: -0.000+/-0.000 χ^2/NDF: 126.2/103

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3975897.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12980200.6/29

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

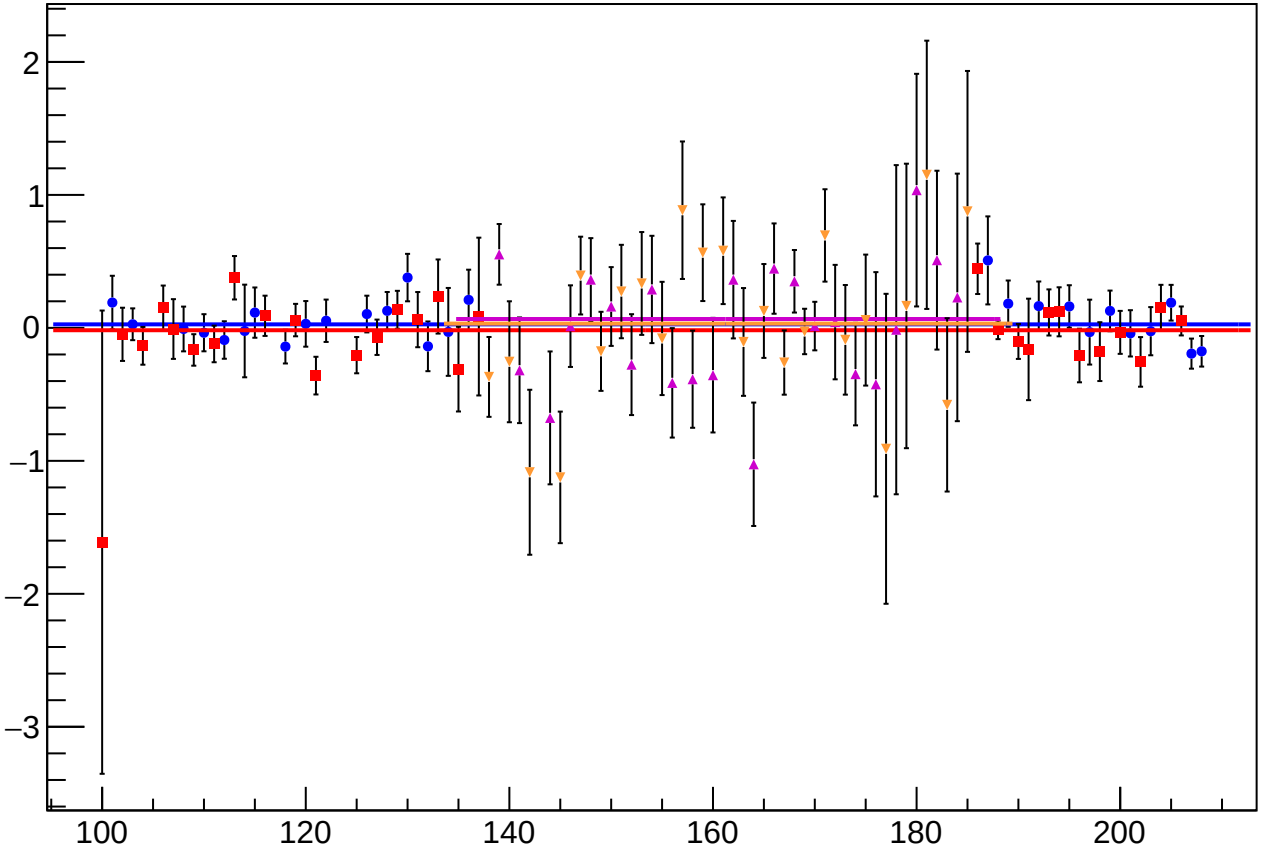
Right: 0.006+/-0.000 χ^2/NDF: 19753997.4/56

In: 0.005+/-0.000 χ^2/NDF:22989379.2/49

Out: 0.004+/-0.000 χ^2/NDF:28150040.8/53

All: 0.004+/-0.000 χ^2/NDF: 51606445.5/103

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

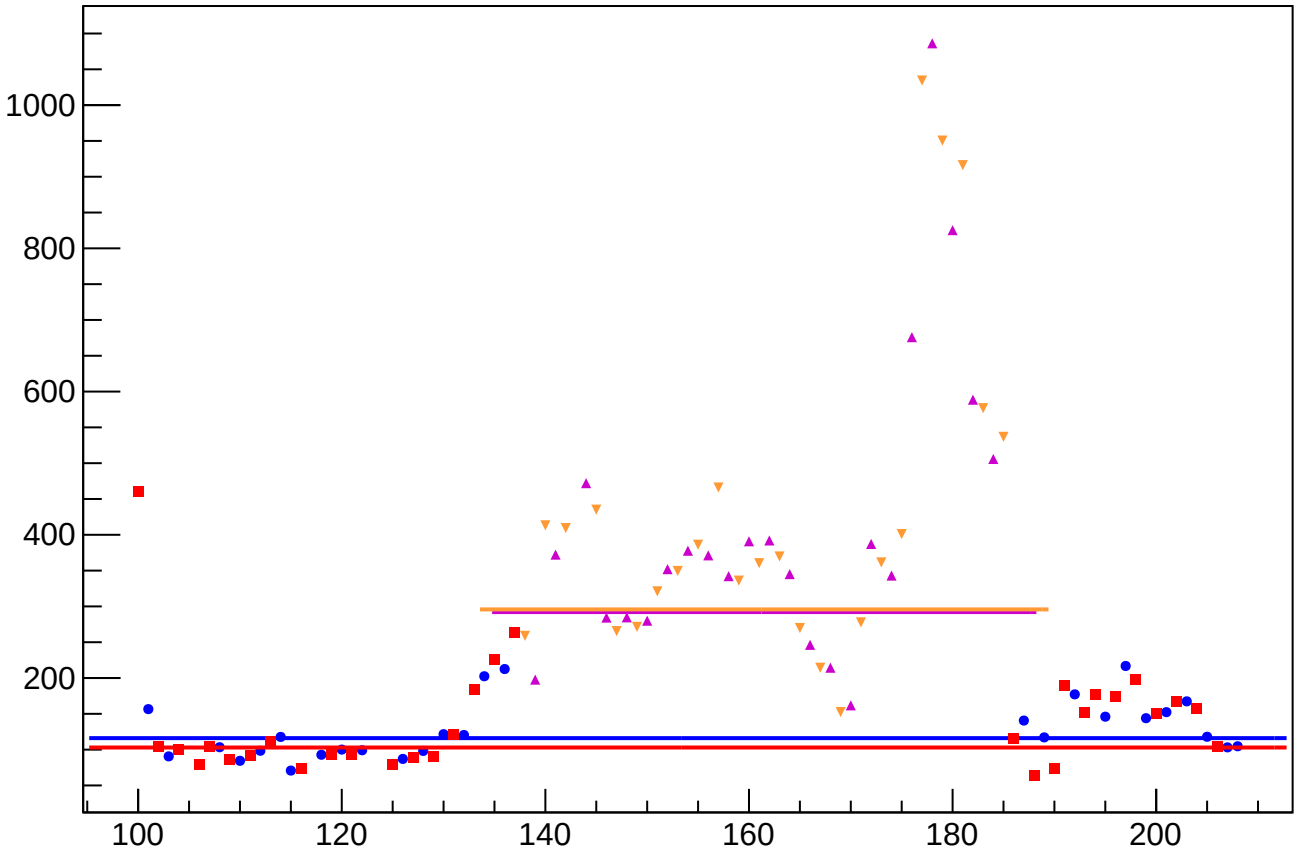
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.002+/-0.021 χ^2/NDF: 58.6/56

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.009+/-0.019 χ^2/NDF: 114.8/103



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

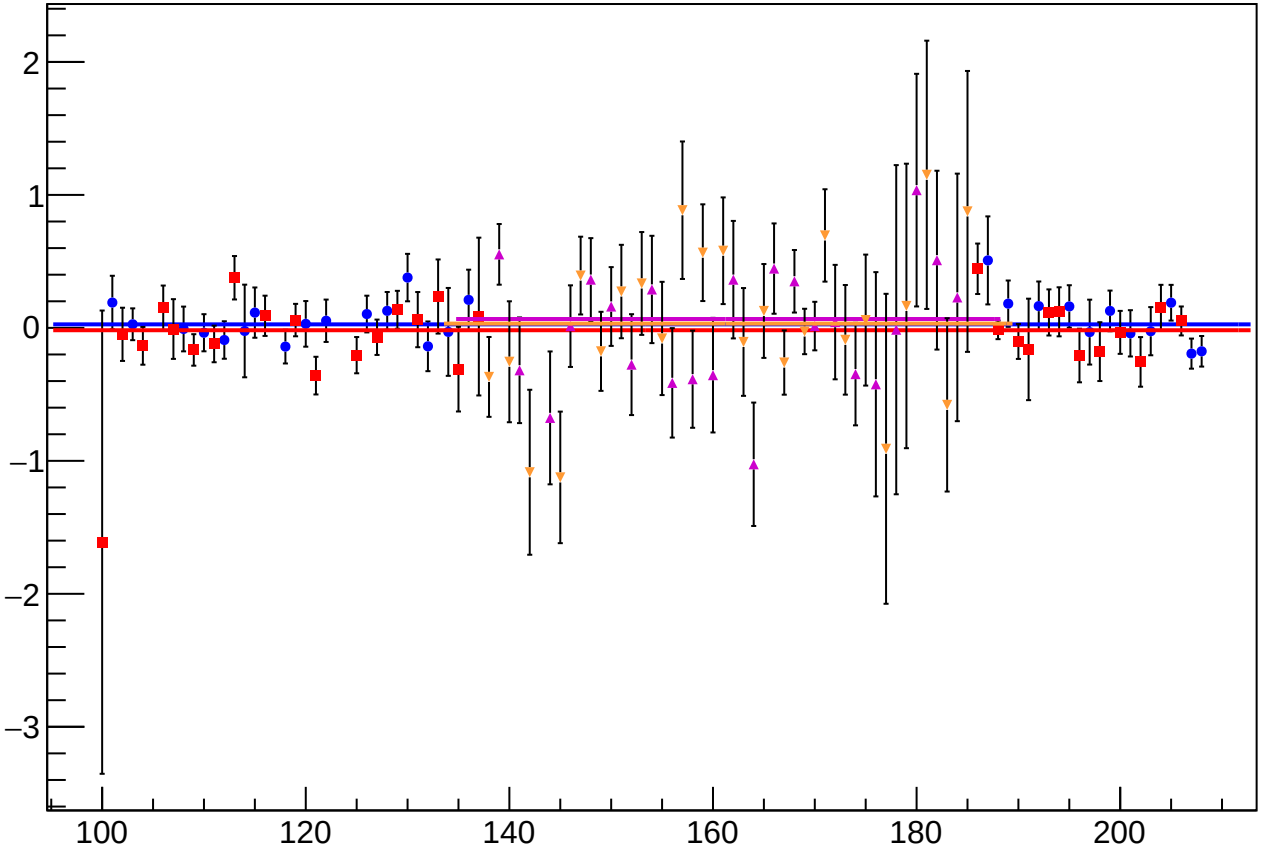
Right: 108.892+/-0.015 χ^2/NDF: 5926879.1/56

In: 141.995+/-0.020 χ^2/NDF:16682095.9/49

Out: 126.358+/-0.019 χ^2/NDF:20384857.0/53

All: 133.554+/-0.014 χ^2/NDF: 37387947.5/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

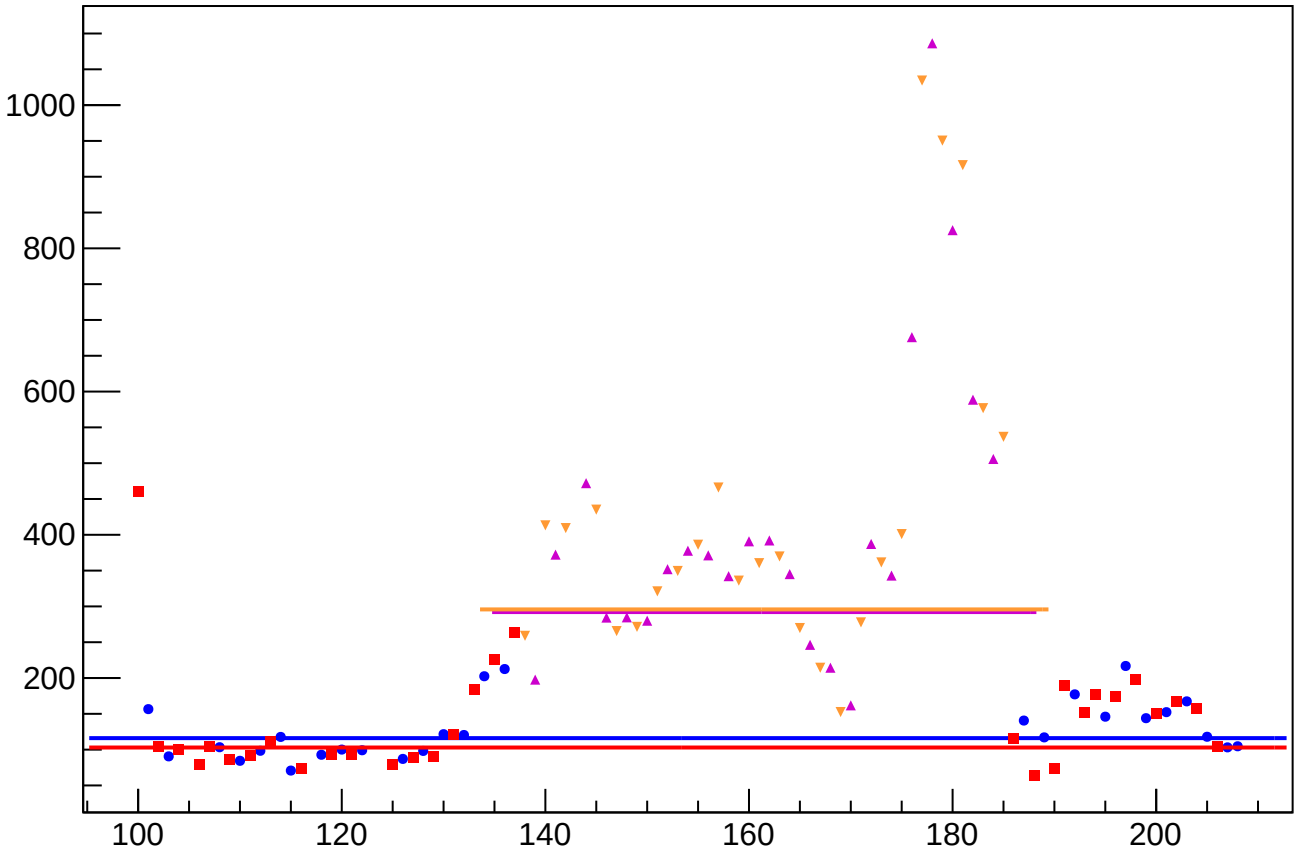
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.002+/-0.021 χ^2/NDF: 58.6/56

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.009+/-0.019 χ^2/NDF: 114.8/103



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

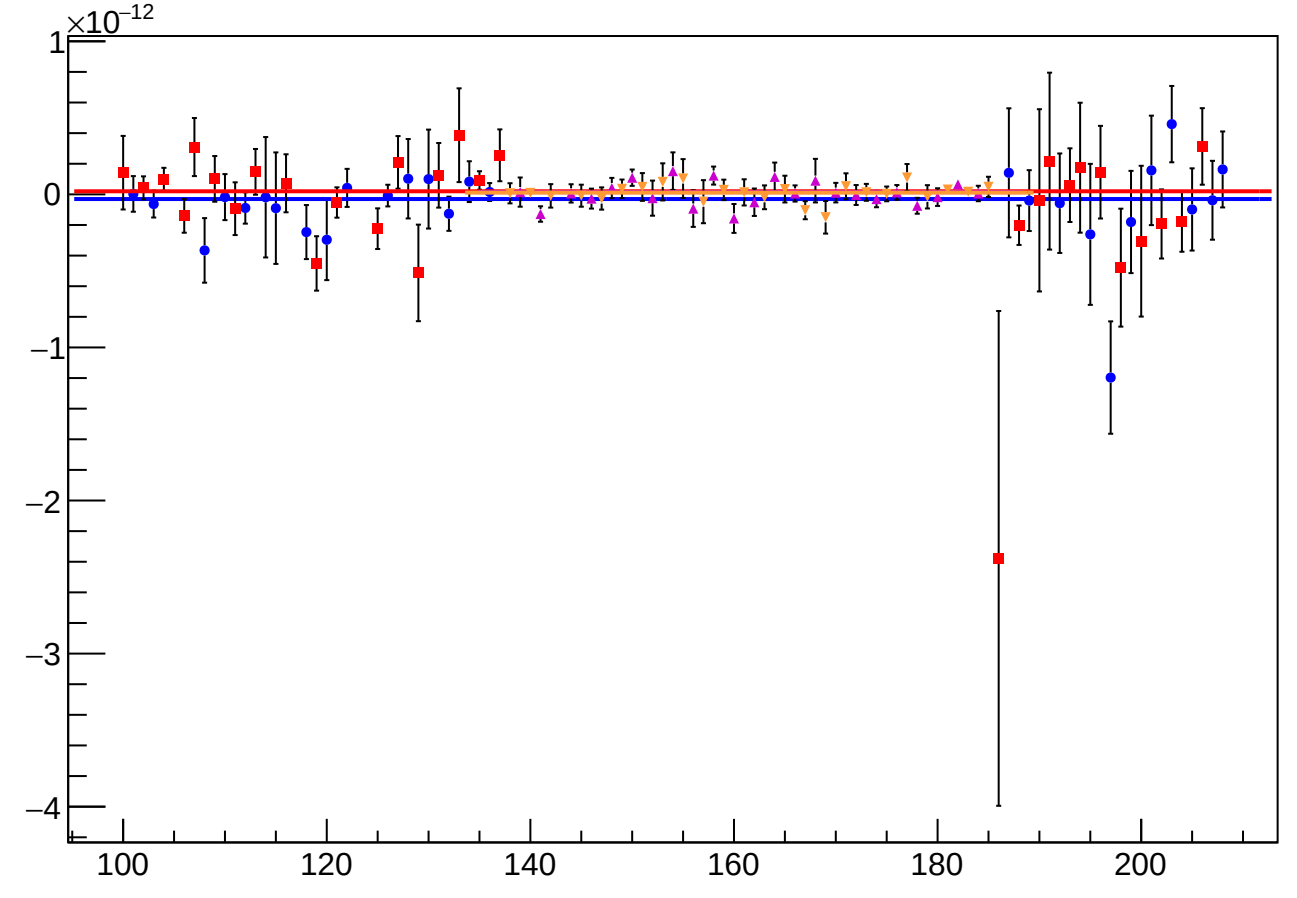
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 108.892+/-0.015 χ^2/NDF: 5926879.1/56

In: 141.995+/-0.020 χ^2/NDF:16682095.9/49

Out: 126.358+/-0.019 χ^2/NDF:20384857.0/53

All: 133.554+/-0.014 χ^2/NDF: 37387947.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 38.4/29

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

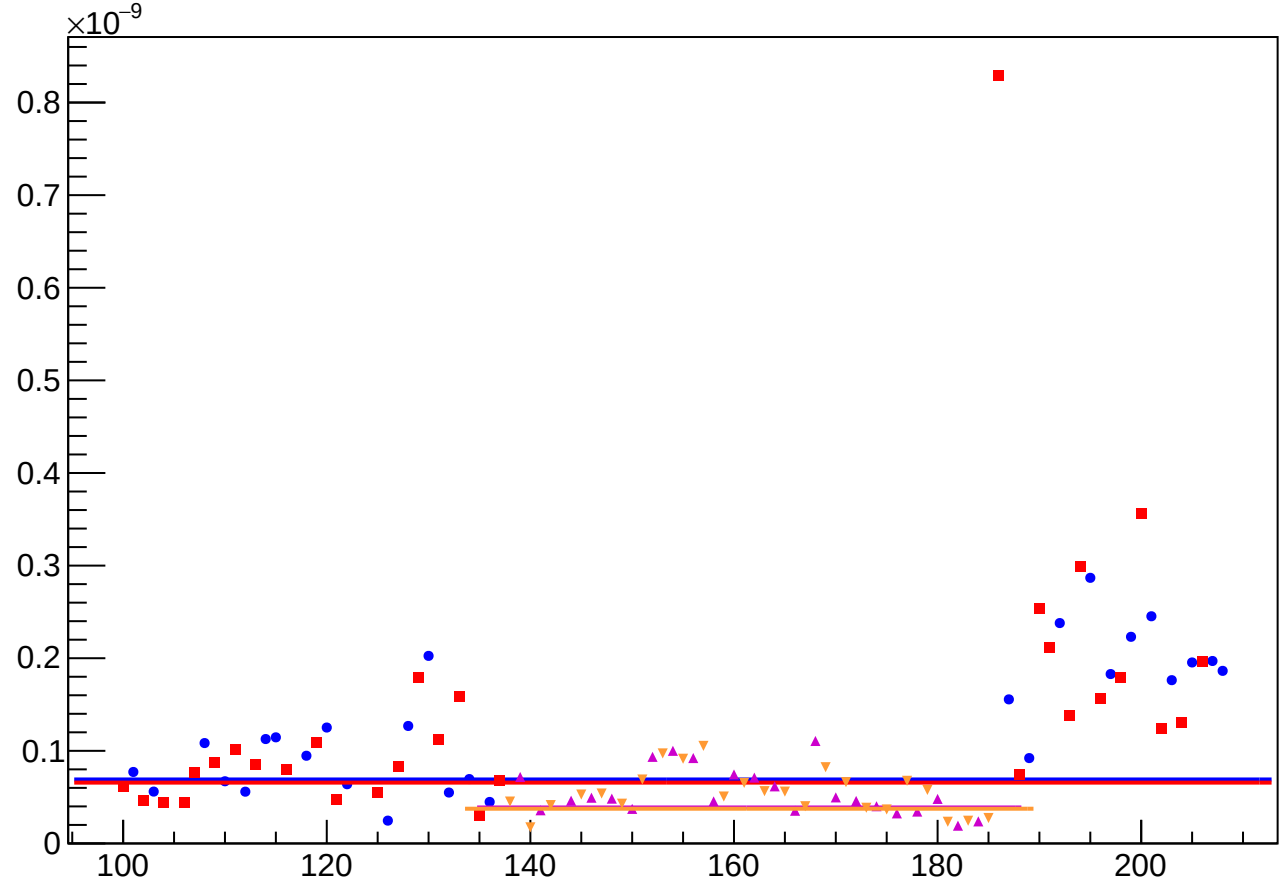
Right: -0.000+/-0.000 χ^2/NDF: 64.2/56

In: 0.000+/-0.000 χ^2/NDF:57.2/49

Out: 0.000+/-0.000 χ^2/NDF:49.1/53

All: 0.000+/-0.000 χ^2/NDF: 106.4/103

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5909801.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5522845.9/29

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

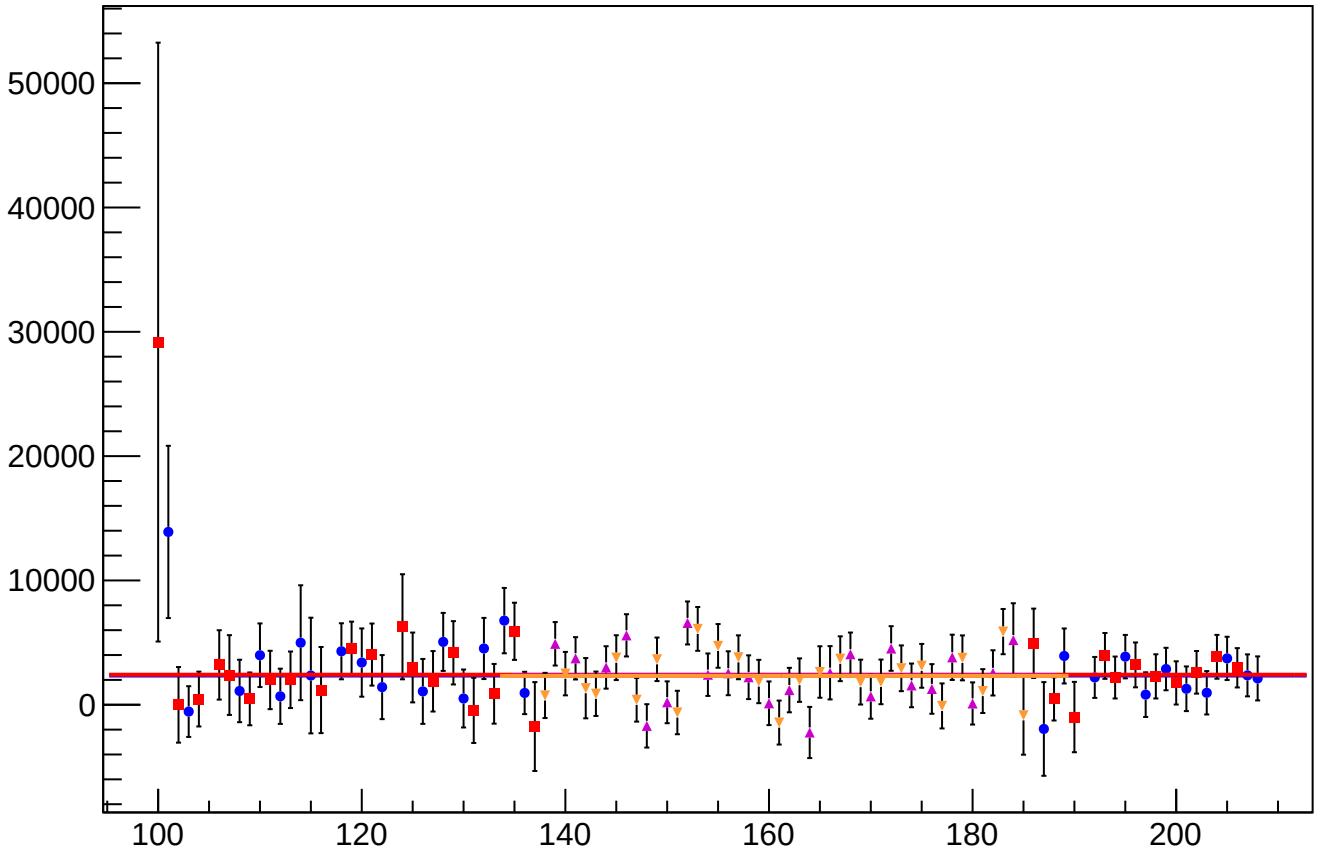
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 11447995.5/56

In: 0.000+/-0.000 χ^2/NDF:12454071.3/49

Out: 0.000+/-0.000 χ^2/NDF:12340384.6/53

All: 0.000+/-0.000 χ^2/NDF: 24811936.7/103



Right In: 2353.283+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2417.162+/-410.230 χ^2/NDF: 17.2/29

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

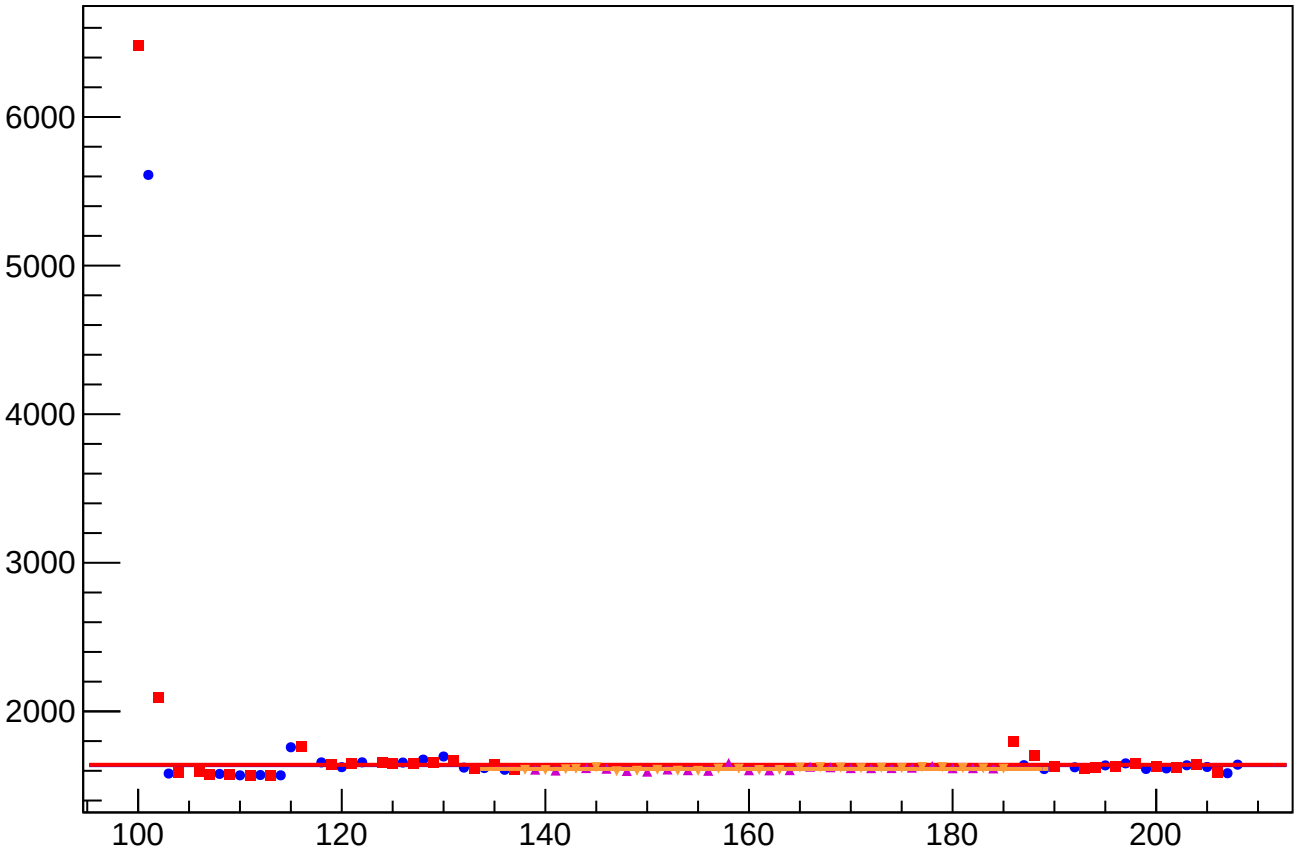
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2385.666+/-292.087 χ^2/NDF: 36.1/56

In: 2362.811+/-279.263 χ^2/NDF:52.6/49

Out: 2363.695+/-273.230 χ^2/NDF:44.8/54

All: 2363.263+/-195.301 χ^2/NDF: 97.4/104



Right In: 1638.354+/-0.294 χ^2/NDF: 671420.0/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.469+/-0.290 χ^2/NDF: 148609.9/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

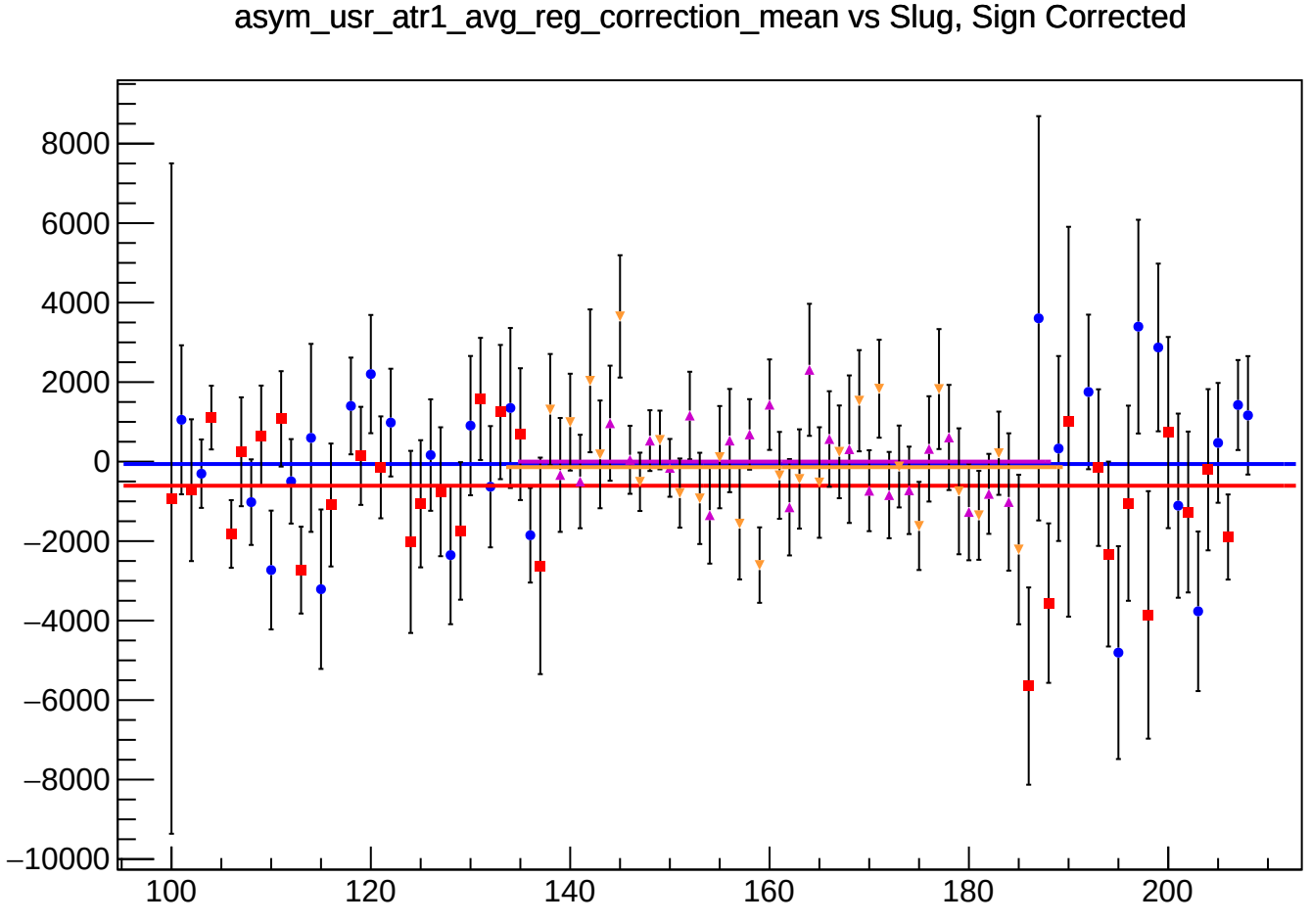
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.426+/-0.207 χ^2/NDF: 820056.1/56

In: 1624.863+/-0.197 χ^2/NDF:677604.4/49

Out: 1624.967+/-0.193 χ^2/NDF:154915.5/54

All: 1624.916+/-0.138 χ^2/NDF: 832520.1/104



Right In: -60.766+/-293.935 χ^2/NDF: 30.7/26

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -606.692+/-278.362 χ^2/NDF: 29.7/29

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

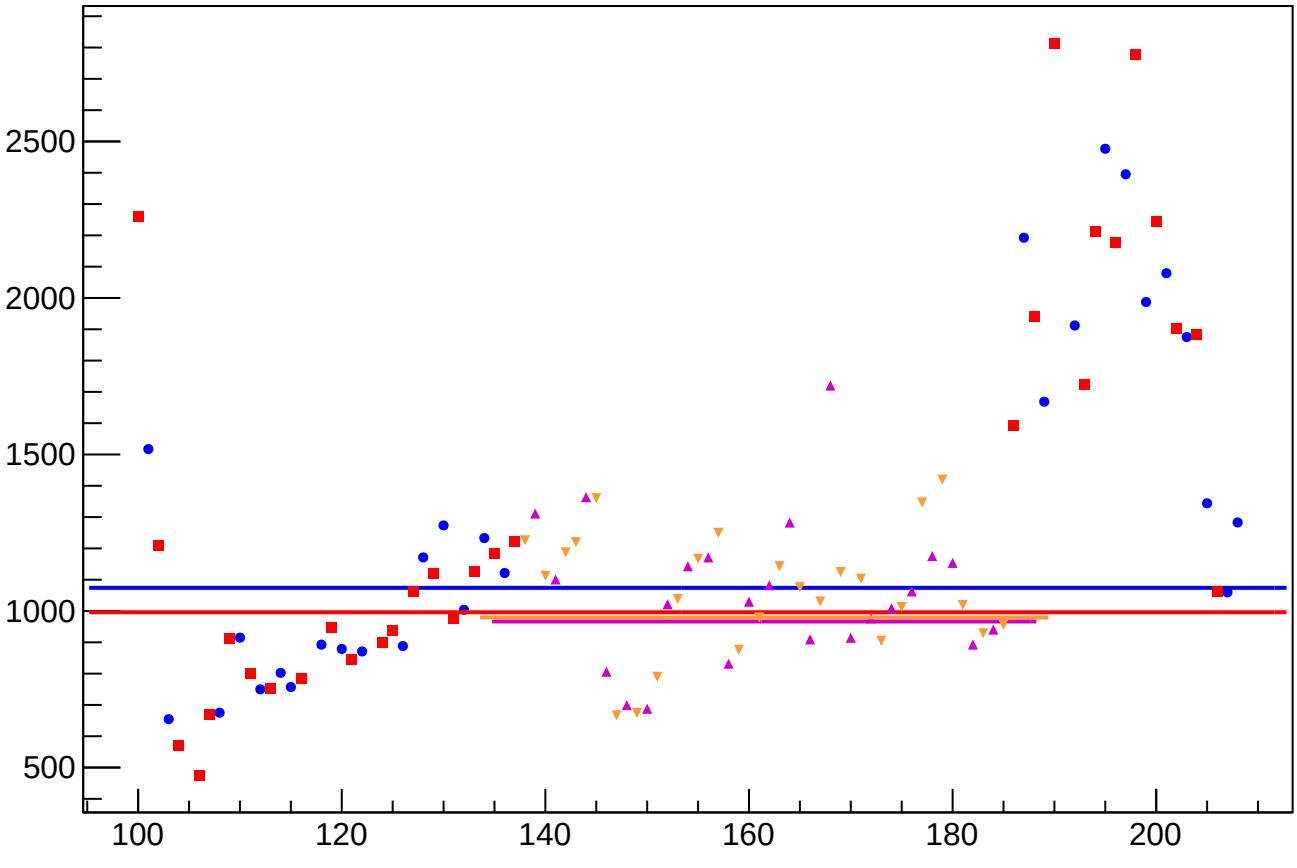
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -348.573+/-202.113 χ^2/NDF: 62.2/56

In: -23.370+/-182.062 χ^2/NDF:43.6/49

Out: -327.907+/-176.905 χ^2/NDF:61.5/54

All: -180.013+/-126.875 χ^2/NDF: 106.5/104



Right In: 1074.039+/-0.208 χ^2/NDF: 4163011.6/26

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 996.099+/-0.197 χ^2/NDF: 5905073.6/29

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

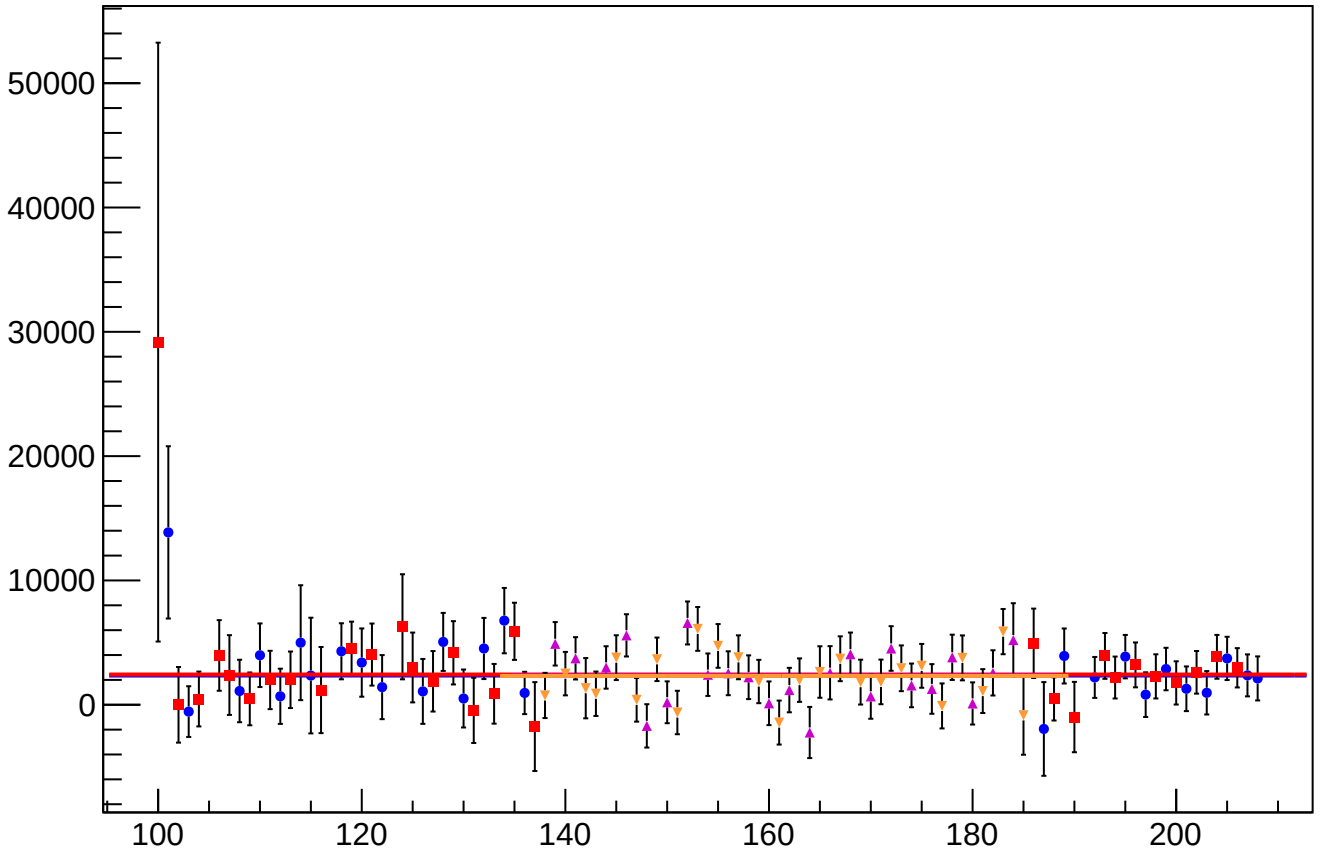
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1032.950+/-0.143 χ^2/NDF: 10142219.0/56

In: 1007.774+/-0.129 χ^2/NDF:5930530.2/49

Out: 986.082+/-0.125 χ^2/NDF:7540042.1/54

All: 996.616+/-0.090 χ^2/NDF: 13485175.9/10



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2432.615+/-410.382 χ^2/NDF: 17.5/29

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

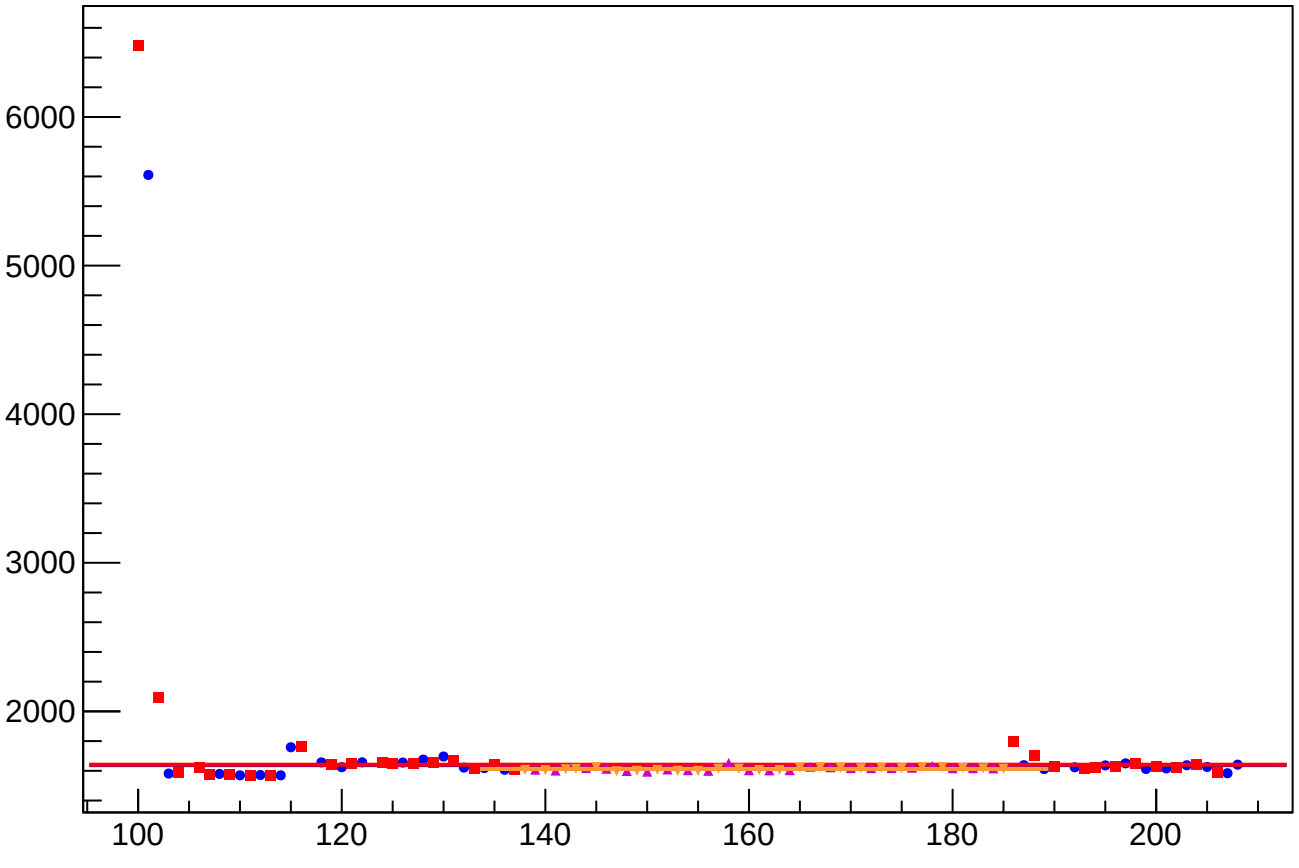
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2393.372+/-292.142 χ^2/NDF: 36.3/56

In: 2362.745+/-279.263 χ^2/NDF:52.6/49

Out: 2370.507+/-273.275 χ^2/NDF:45.0/54

All: 2366.710+/-195.317 χ^2/NDF: 97.6/104



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

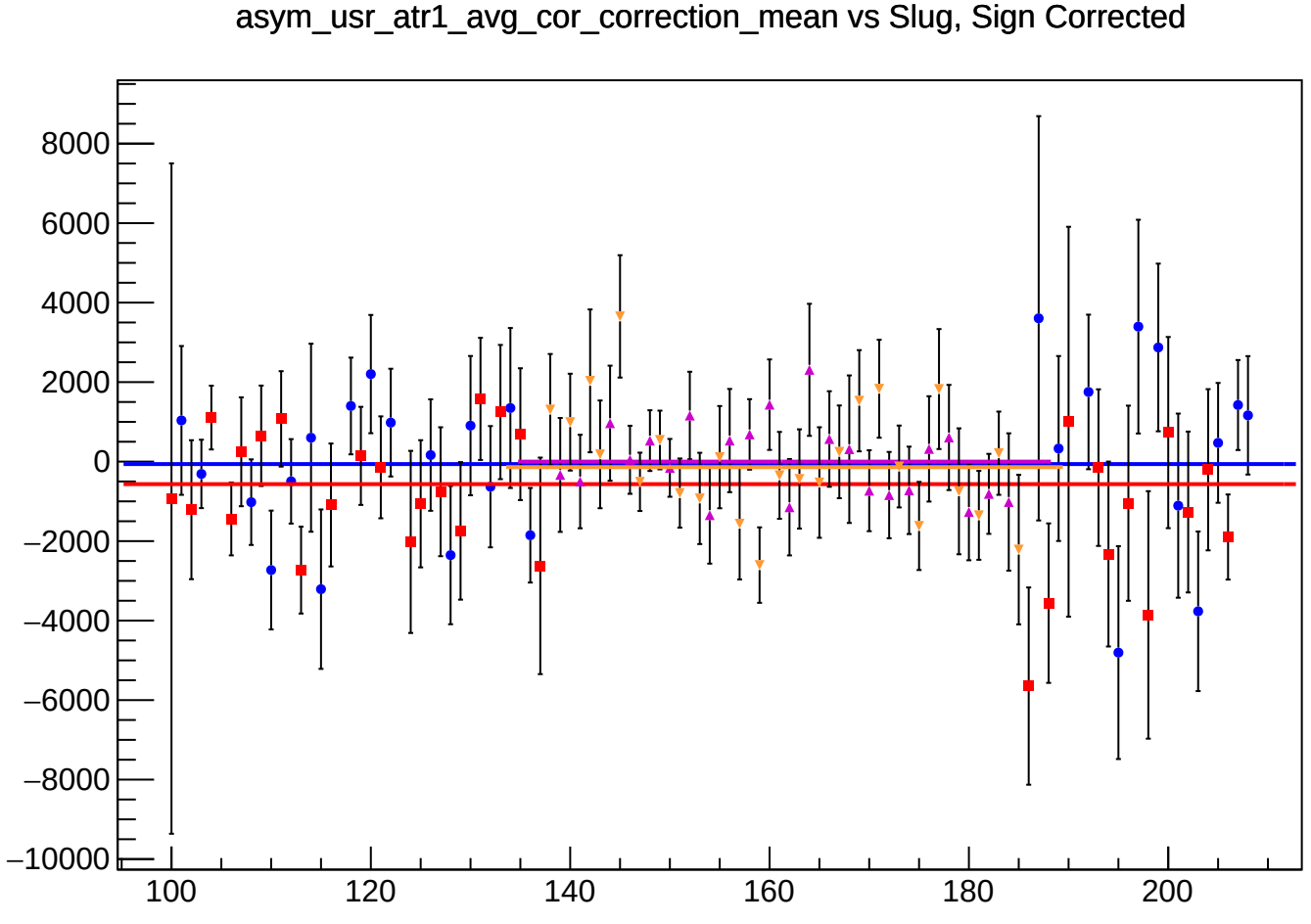
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.724+/-0.207 χ^2/NDF: 819603.9/56

In: 1624.863+/-0.197 χ^2/NDF:677603.9/49

Out: 1625.223+/-0.193 χ^2/NDF:154663.9/54

All: 1625.047+/-0.138 χ^2/NDF: 832269.6/104



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -566.424+/-280.307 χ^2/NDF: 28.5/29

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

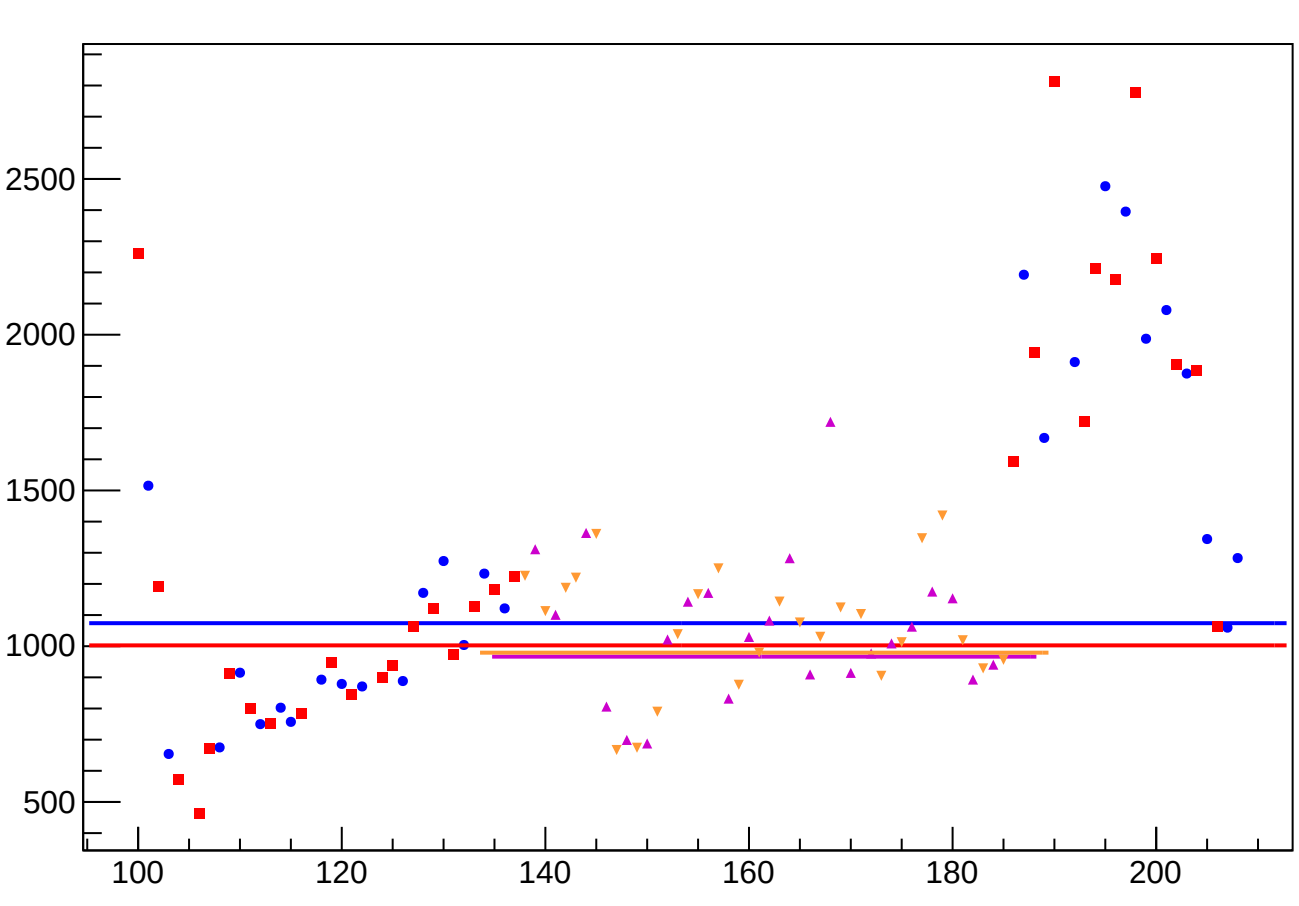
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -326.043+/-202.844 χ^2/NDF: 60.8/56

In: -23.743+/-182.056 χ^2/NDF:43.6/49

Out: -310.243+/-177.400 χ^2/NDF:60.1/54

All: -170.703+/-127.055 χ^2/NDF: 104.9/104



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

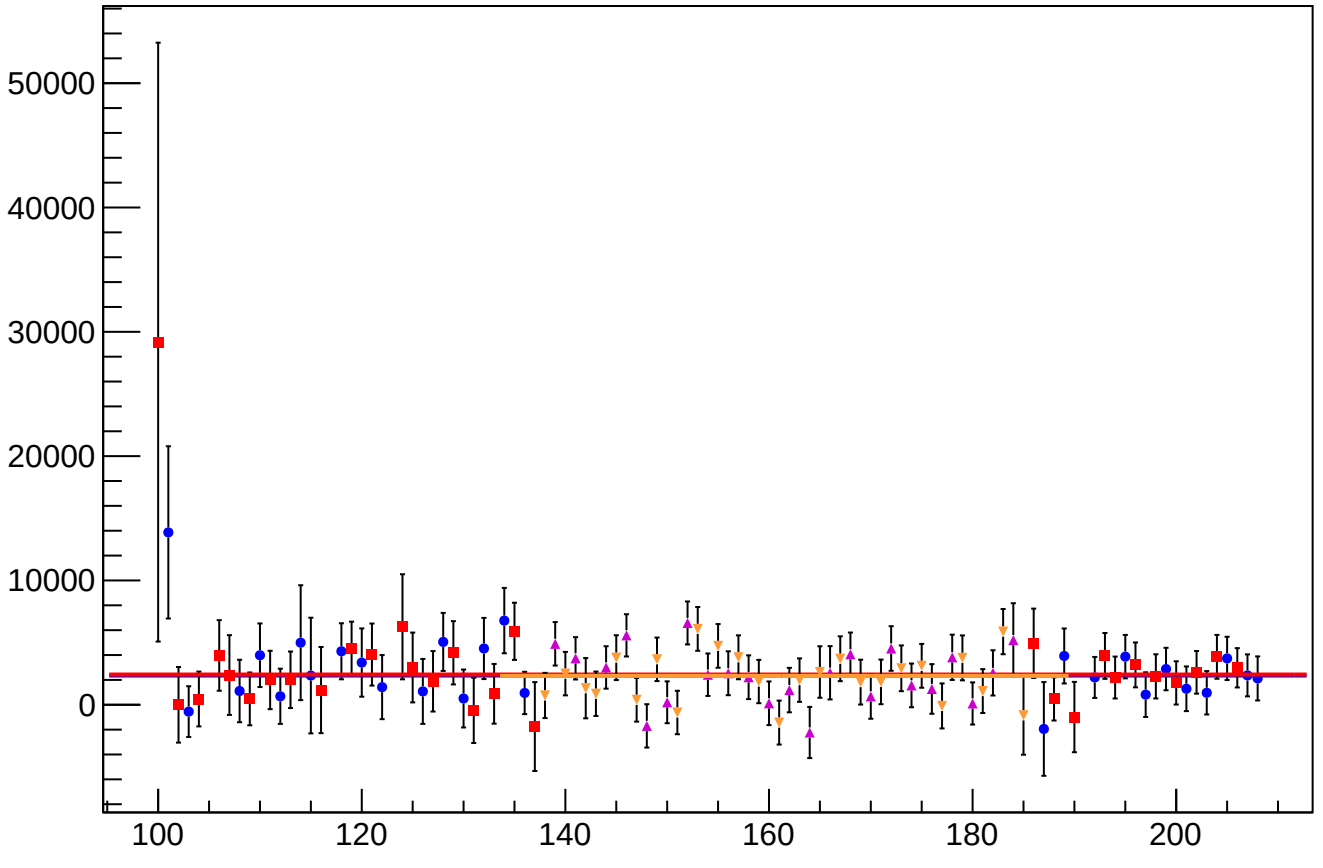
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1036.611+/-0.143 χ^2/NDF: 10048683.4/56

In: 1007.740+/-0.129 χ^2/NDF:5930715.1/49

Out: 988.651+/-0.125 χ^2/NDF:7462611.2/54

All: 997.949+/-0.090 χ^2/NDF: 13404605.2/10



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2432.615+/-410.382 χ^2/NDF: 17.5/29

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

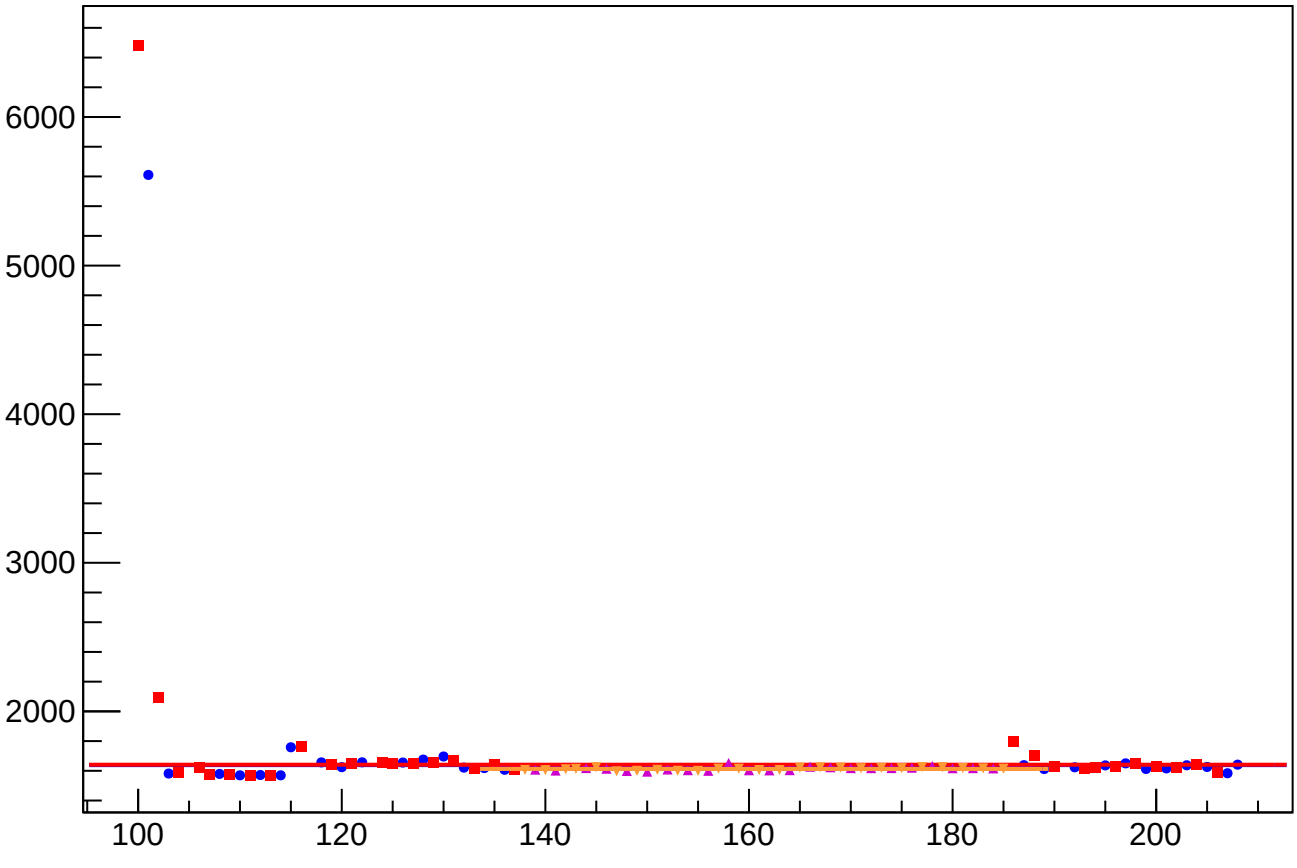
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2393.372+/-292.142 χ^2/NDF: 36.3/56

In: 2362.745+/-279.263 χ^2/NDF:52.6/49

Out: 2370.507+/-273.275 χ^2/NDF:45.0/54

All: 2366.710+/-195.317 χ^2/NDF: 97.6/104



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

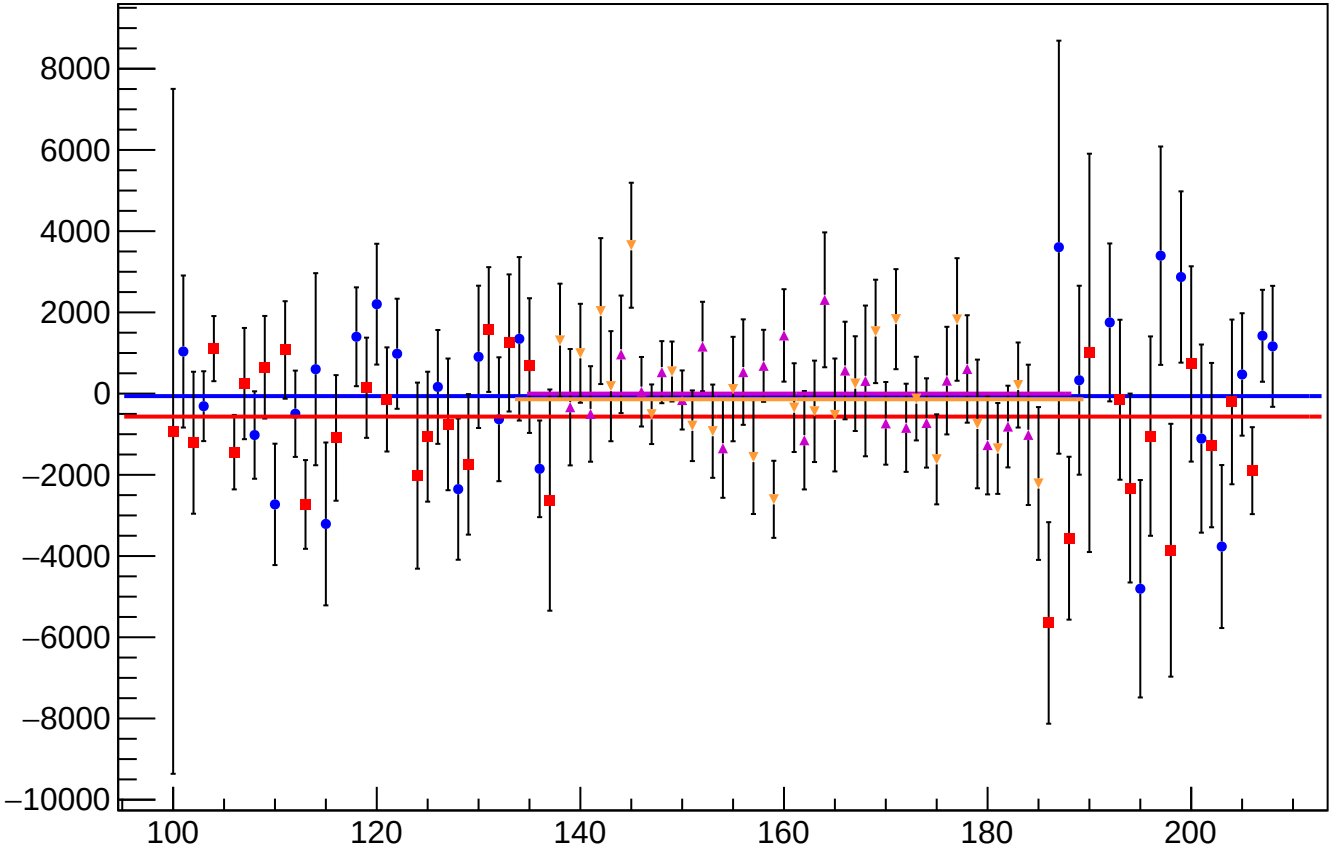
Right: 1639.724+/-0.207 χ^2/NDF: 819603.9/56

In: 1624.863+/-0.197 χ^2/NDF:677603.9/49

Out: 1625.223+/-0.193 χ^2/NDF:154663.9/54

All: 1625.047+/-0.138 χ^2/NDF: 832269.6/104

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -566.424+/-280.307 χ^2/NDF: 28.5/29

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

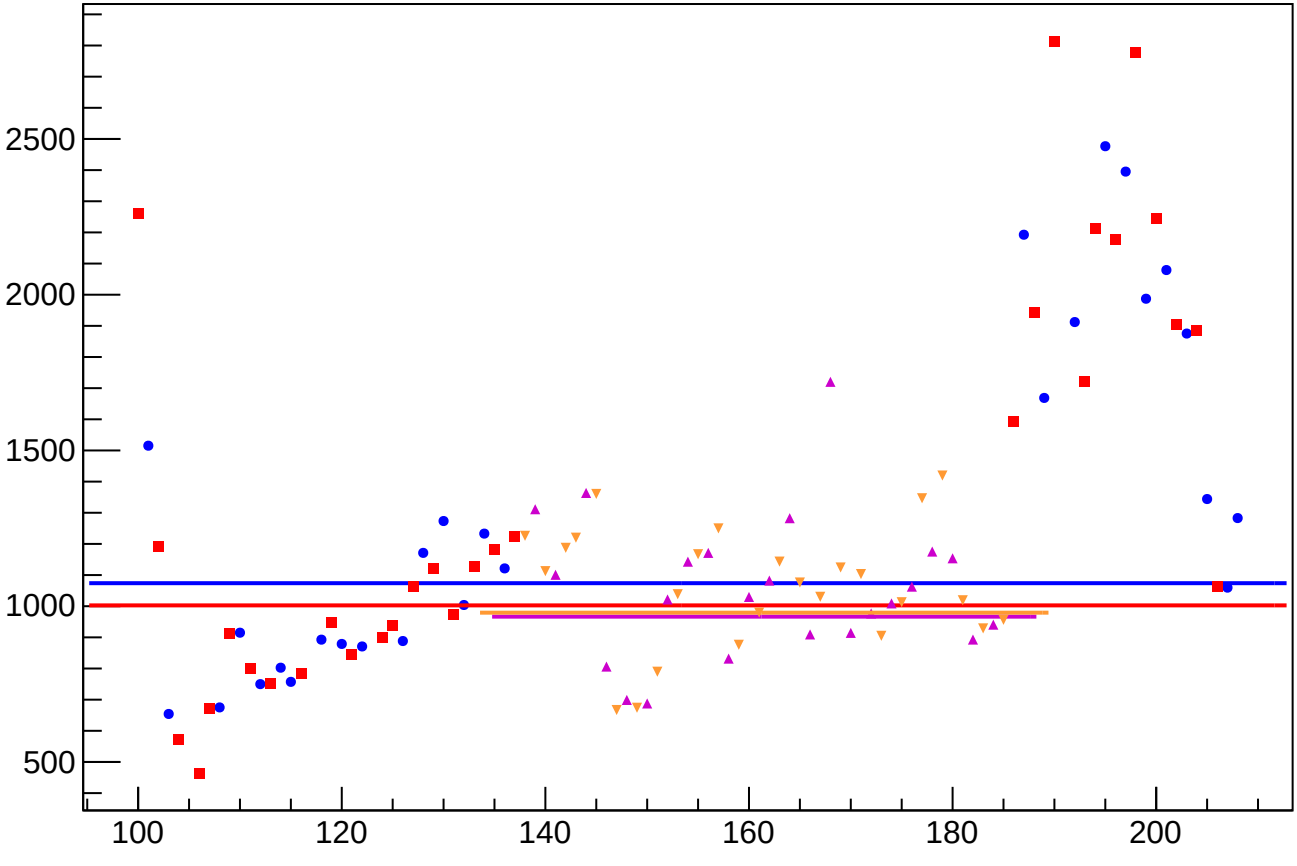
Right: -326.043+/-202.844 χ^2/NDF: 60.8/56

In: -23.743+/-182.056 χ^2/NDF:43.6/49

Out: -310.243+/-177.400 χ^2/NDF:60.1/54

All: -170.703+/-127.055 χ^2/NDF: 104.9/104

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

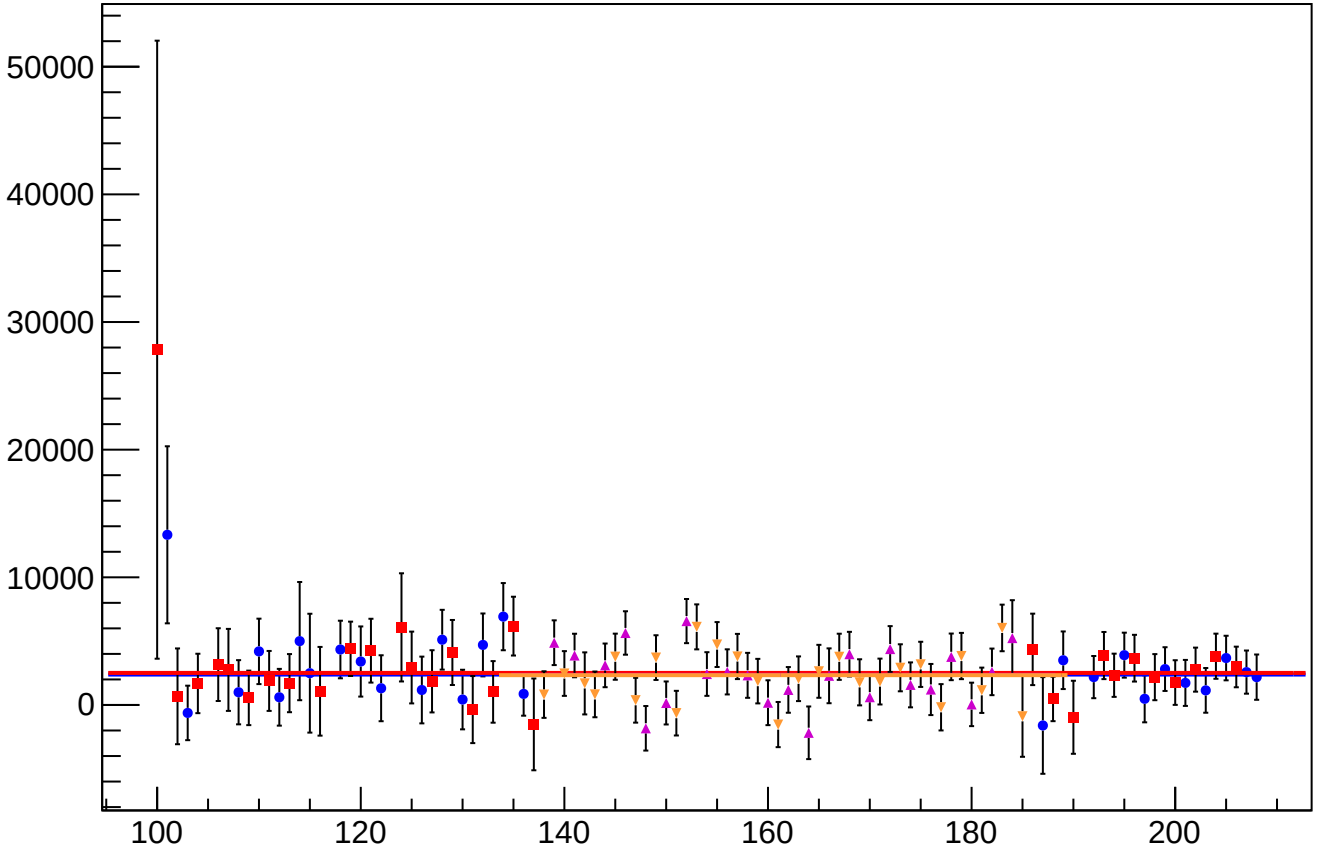
Right: 1036.611+/-0.143 χ^2/NDF: 10048683.4/56

In: 1007.740+/-0.129 χ^2/NDF:5930715.1/49

Out: 988.651+/-0.125 χ^2/NDF:7462611.2/54

All: 997.949+/-0.090 χ^2/NDF: 13404605.2/10

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2381.878+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2510.120+/-414.247 χ^2/NDF: 15.7/29

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

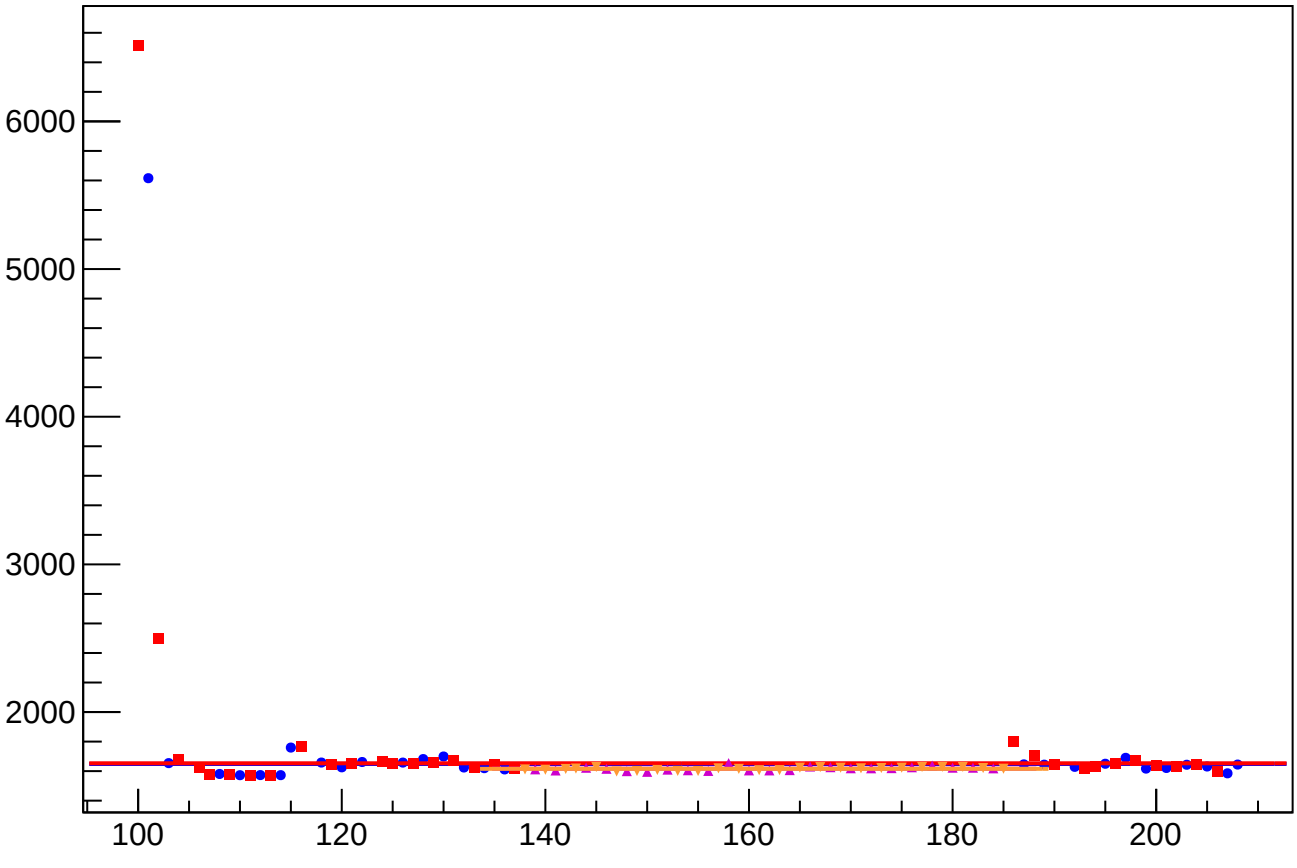
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2446.660+/-294.422 χ^2/NDF: 34.4/56

In: 2369.971+/-280.281 χ^2/NDF:52.7/49

Out: 2411.916+/-274.697 χ^2/NDF:44.0/54

All: 2391.366+/-196.184 χ^2/NDF: 96.7/104



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.3/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

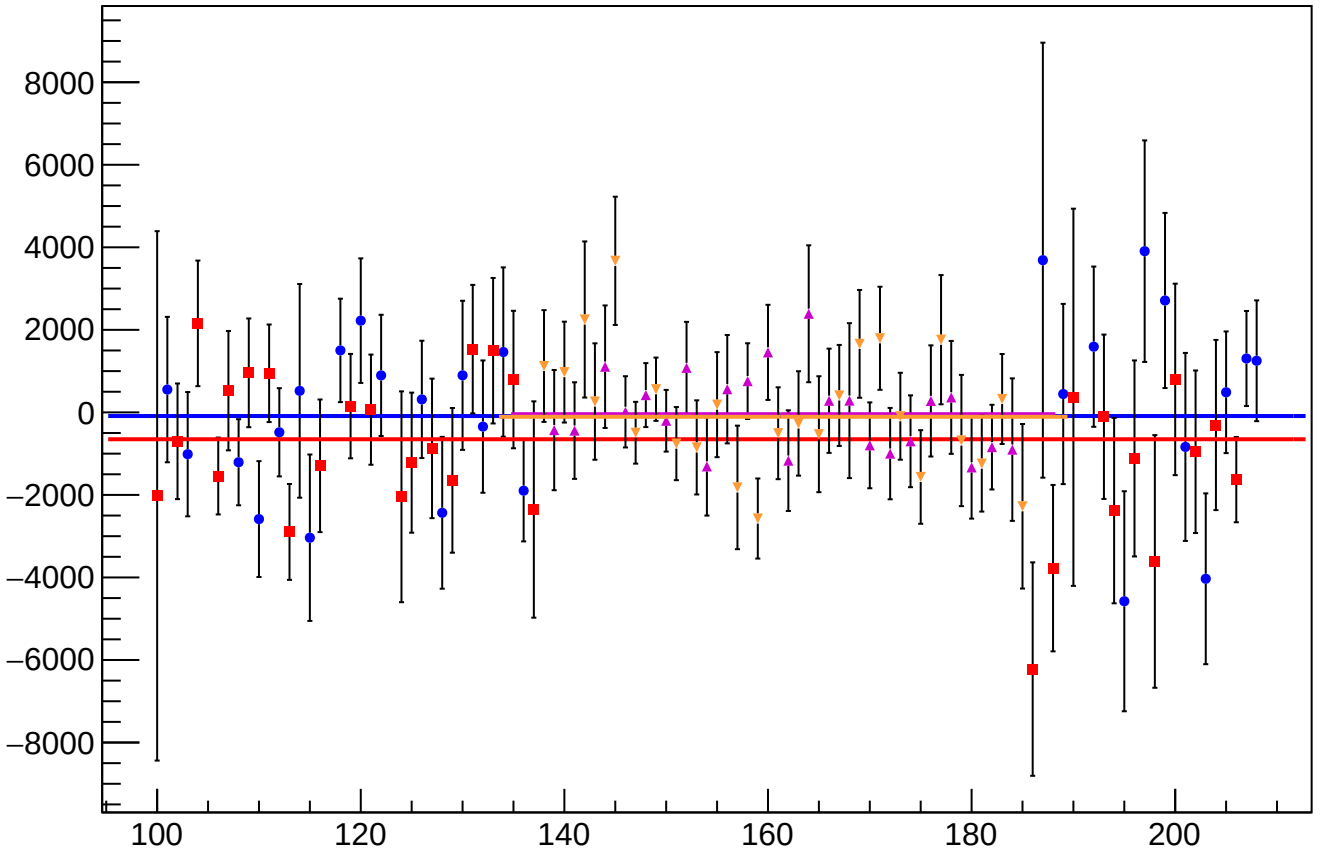
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1650.715+/-0.208 χ^2/NDF: 875355.1/56

In: 1630.697+/-0.198 χ^2/NDF:678964.0/49

Out: 1632.088+/-0.194 χ^2/NDF:215846.0/54

All: 1631.406+/-0.139 χ^2/NDF: 894835.1/104



Right In: -88.430+/-308.520 χ^2/NDF: 30.6/26

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -650.859+/-295.994 χ^2/NDF: 28.4/29

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

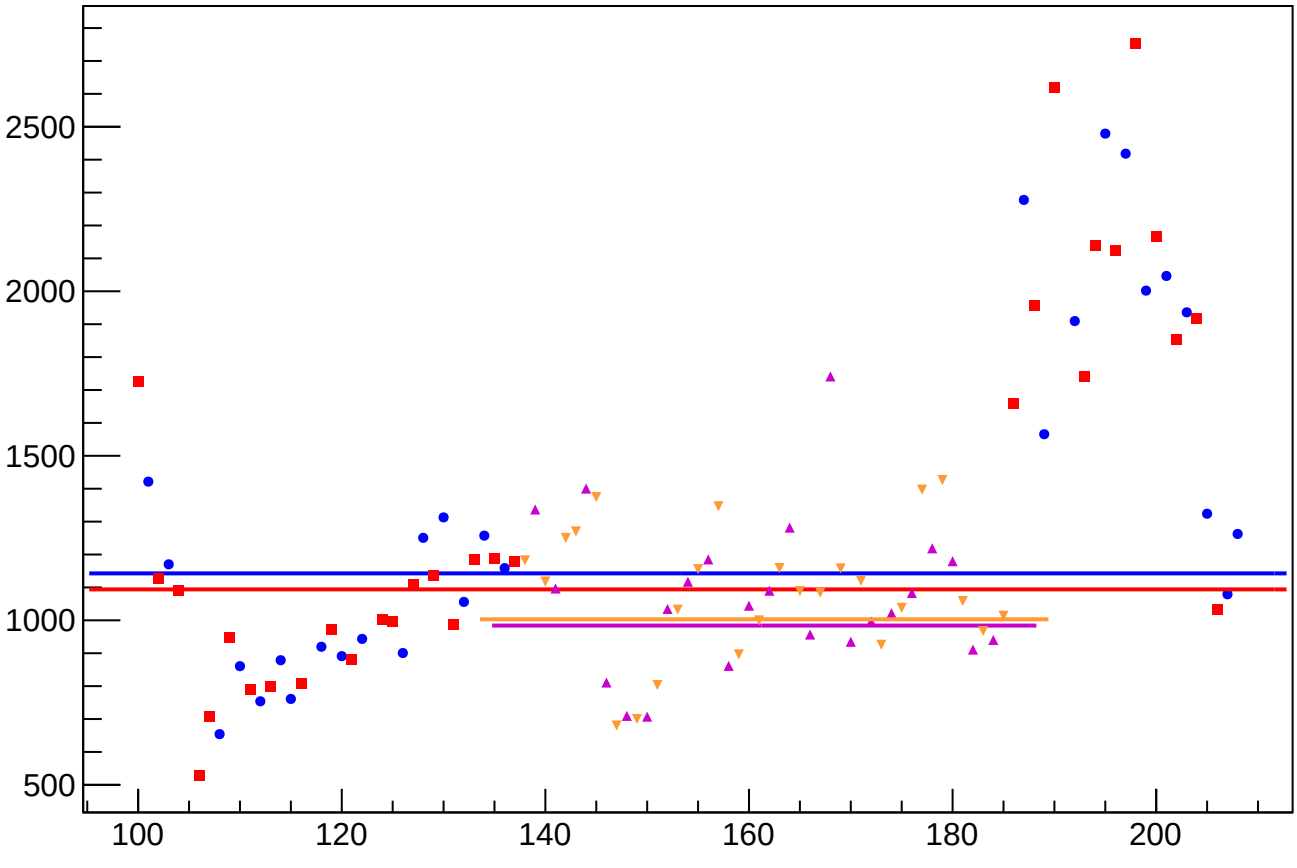
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

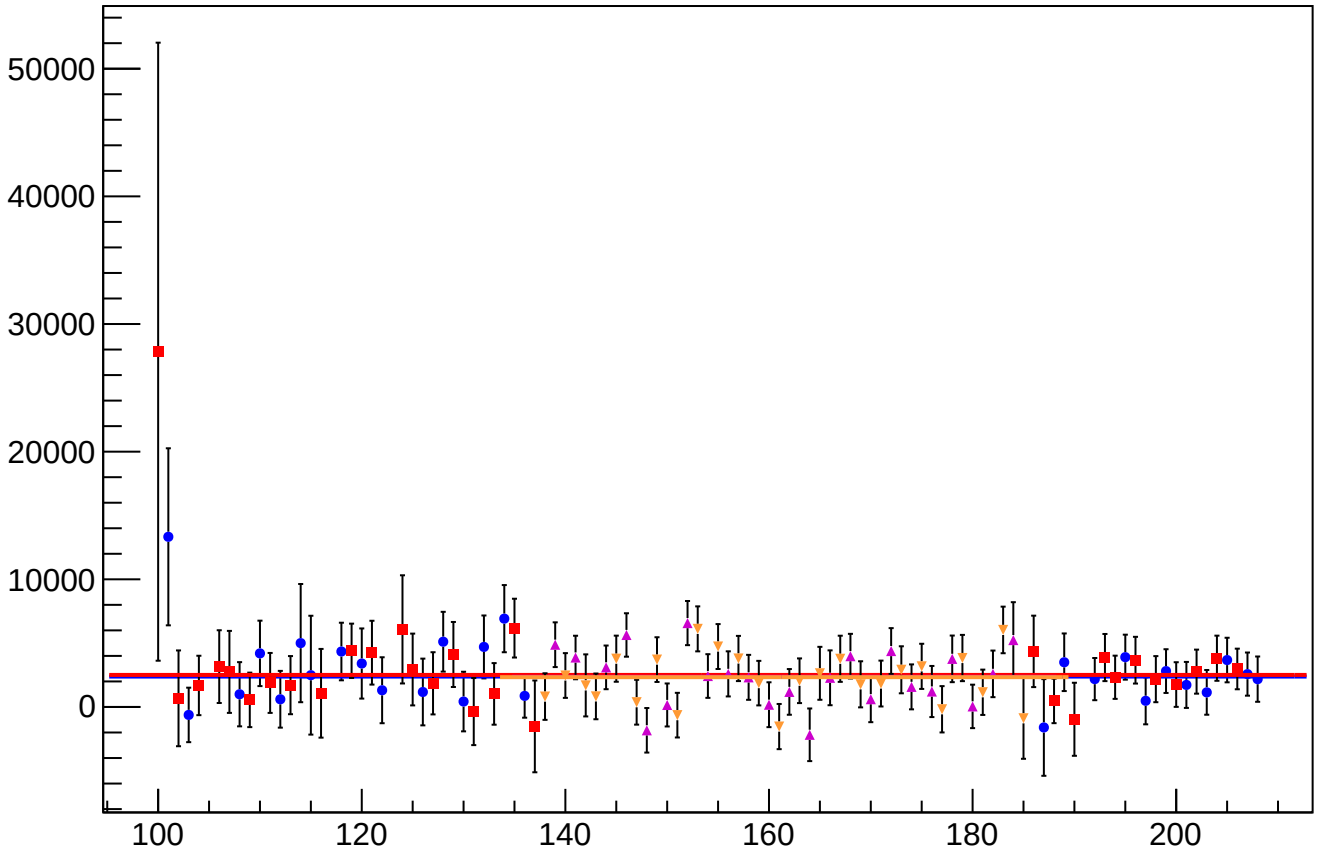
Right: -381.293+/-213.590 χ^2/NDF: 60.8/56

In: -60.673+/-187.313 χ^2/NDF:43.4/49

Out: -316.102+/-183.713 χ^2/NDF:59.5/54

All: -190.865+/-131.159 χ^2/NDF: 103.9/104


asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1142.656+/-0.218 χ²/NDF: 3598915.8/26
Left Out: 1003.101+/-0.166 χ²/NDF:1598415.6/24
Right Out: 1093.989+/-0.209 χ²/NDF: 4698697.3/29
Left In: 984.053+/-0.167 χ²/NDF:1559561.5/22
Left: 993.635+/-0.118 χ²/NDF: 3164545.6/47
Right: 1117.314+/-0.151 χ²/NDF: 8323526.6/56
In: 1042.516+/-0.132 χ²/NDF:5492194.0/49
Out: 1038.113+/-0.130 χ²/NDF:6413041.6/54
All: 1040.272+/-0.093 χ²/NDF: 11905798.9/1



Right In: 2381.879+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2510.118+/-414.247 χ^2/NDF: 15.7/29

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

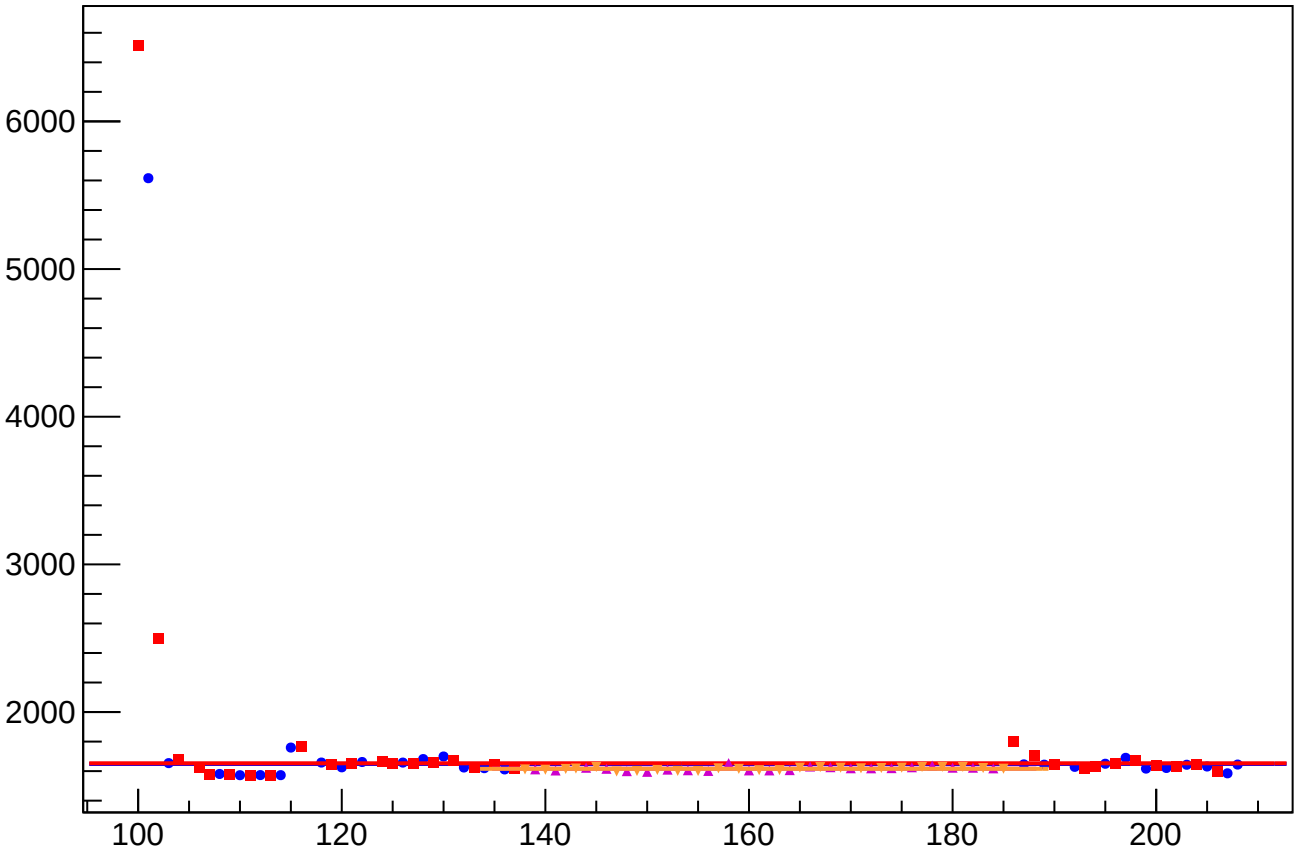
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2446.659+/-294.422 χ^2/NDF: 34.4/56

In: 2369.971+/-280.281 χ^2/NDF:52.7/49

Out: 2411.915+/-274.697 χ^2/NDF:44.0/54

All: 2391.365+/-196.184 χ^2/NDF: 96.7/104



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.2/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

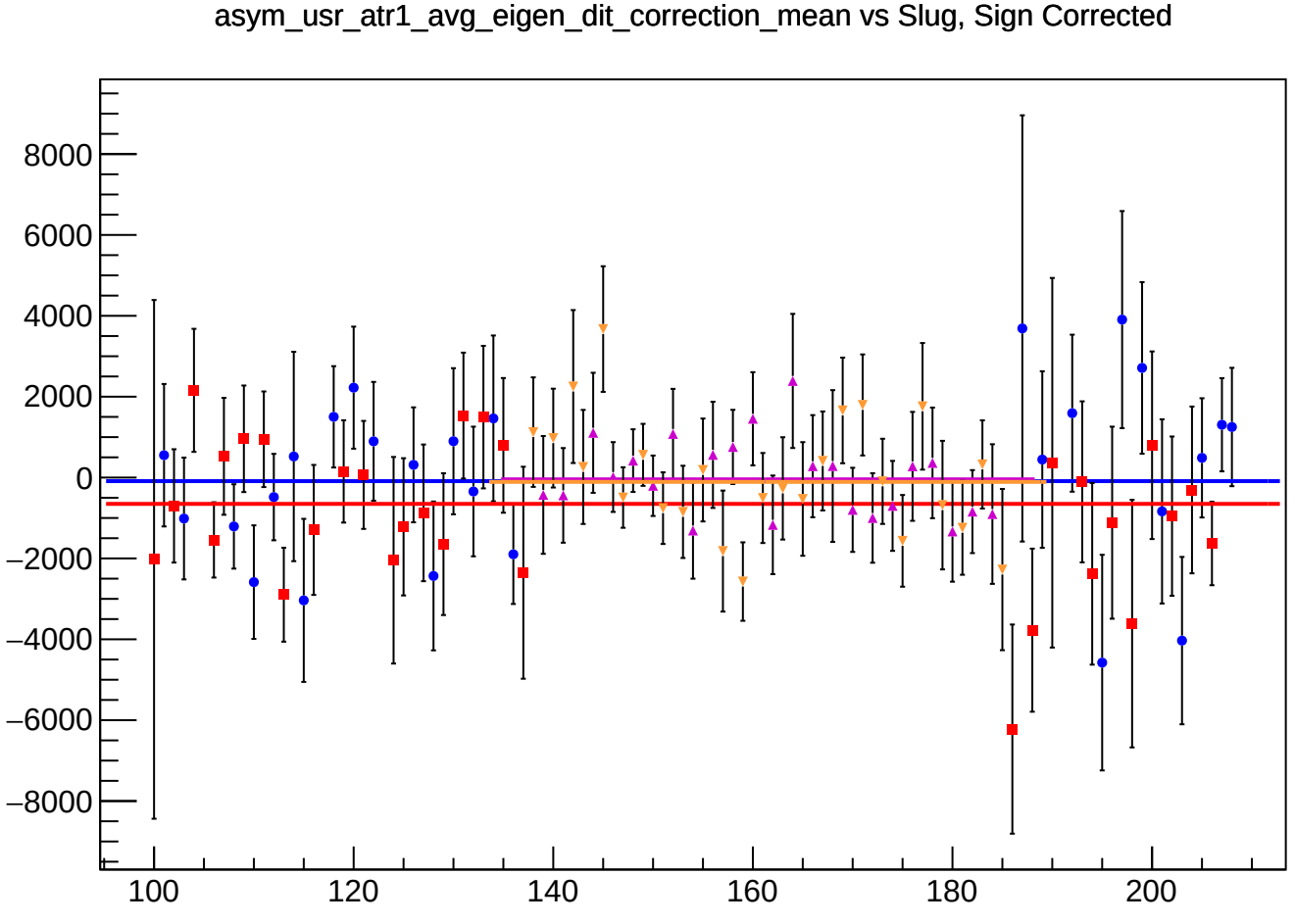
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

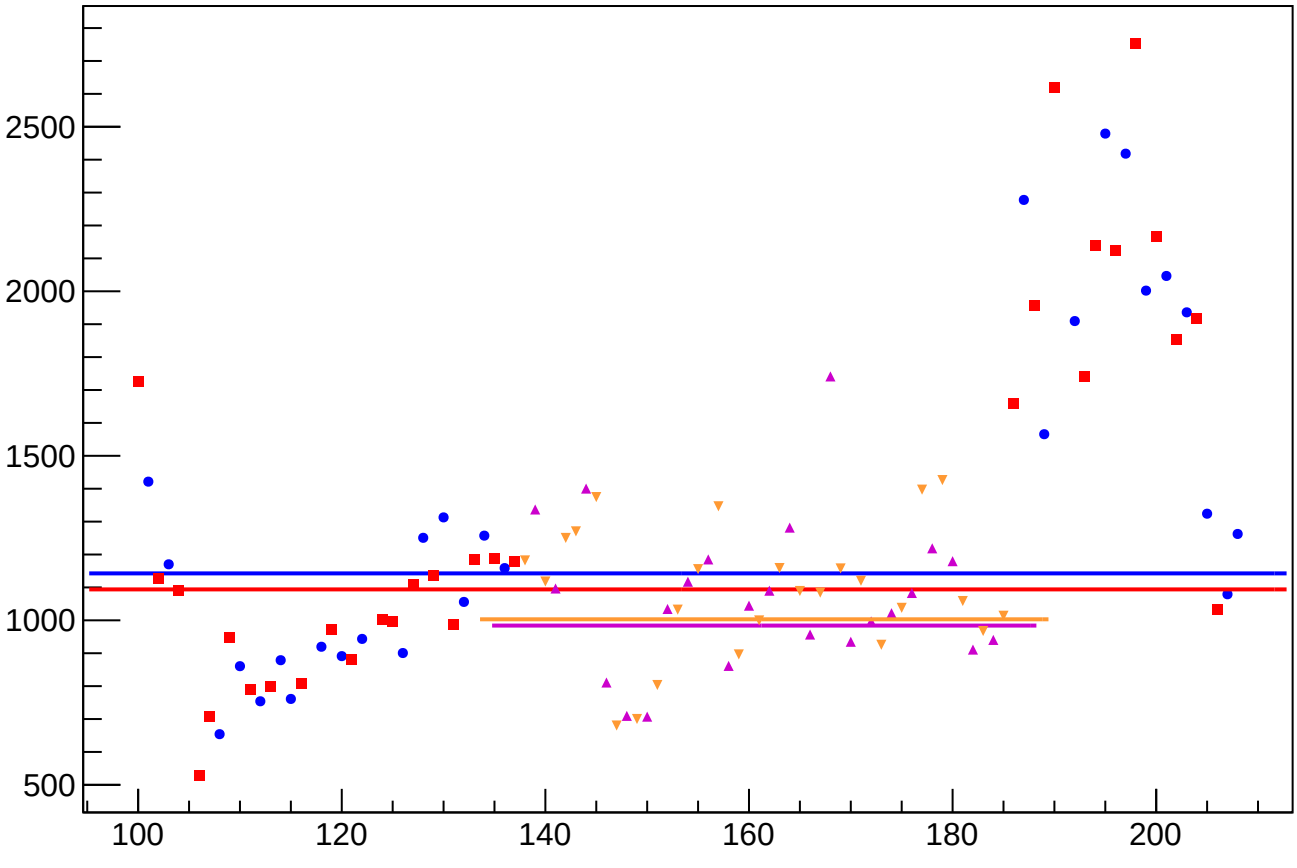
Right: 1650.715+/-0.208 χ^2/NDF: 875355.0/56

In: 1630.697+/-0.198 χ^2/NDF:678963.9/49

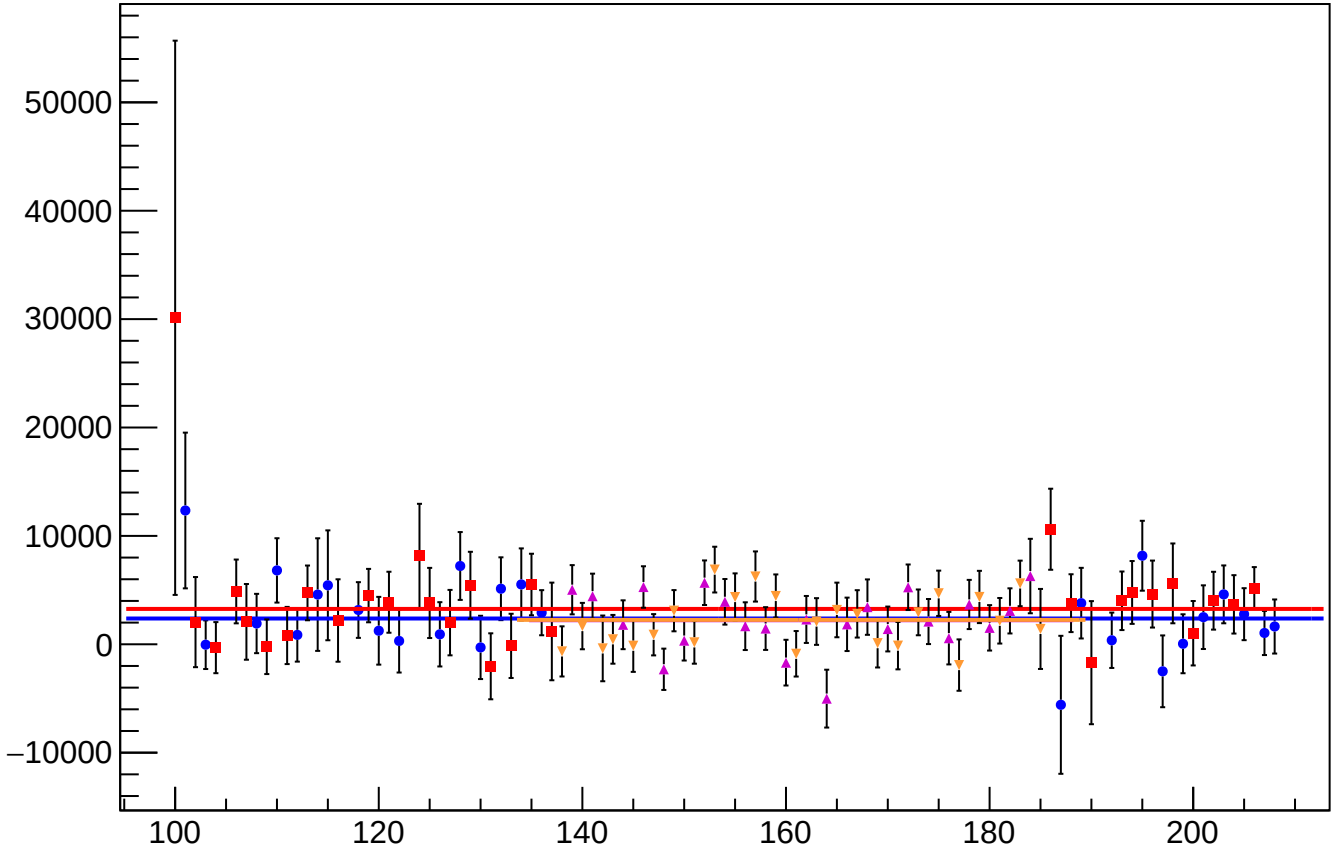
Out: 1632.088+/-0.194 χ^2/NDF:215845.8/54

All: 1631.406+/-0.139 χ^2/NDF: 894834.9/104


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -88.430+/-308.519 χ²/NDF: 30.6/26
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -650.856+/-295.993 χ²/NDF: 28.4/29
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -381.292+/-213.590 χ²/NDF: 60.8/56
In: -60.673+/-187.313 χ²/NDF:43.4/49
Out: -316.103+/-183.714 χ²/NDF:59.5/54
All: -190.866+/-131.159 χ²/NDF: 103.9/104


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1142.653+/-0.218 χ²/NDF: 3598958.4/26
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1093.986+/-0.209 χ²/NDF: 4698726.1/29
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1117.311+/-0.151 χ²/NDF: 8323597.5/56
In: 1042.517+/-0.132 χ²/NDF:5492217.7/49
Out: 1038.114+/-0.130 χ²/NDF:6413060.7/54
All: 1040.273+/-0.093 χ²/NDF: 11905841.5/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2377.851+/-552.377 χ^2/NDF: 22.1/26

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3262.533+/-547.049 χ^2/NDF: 21.6/29

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

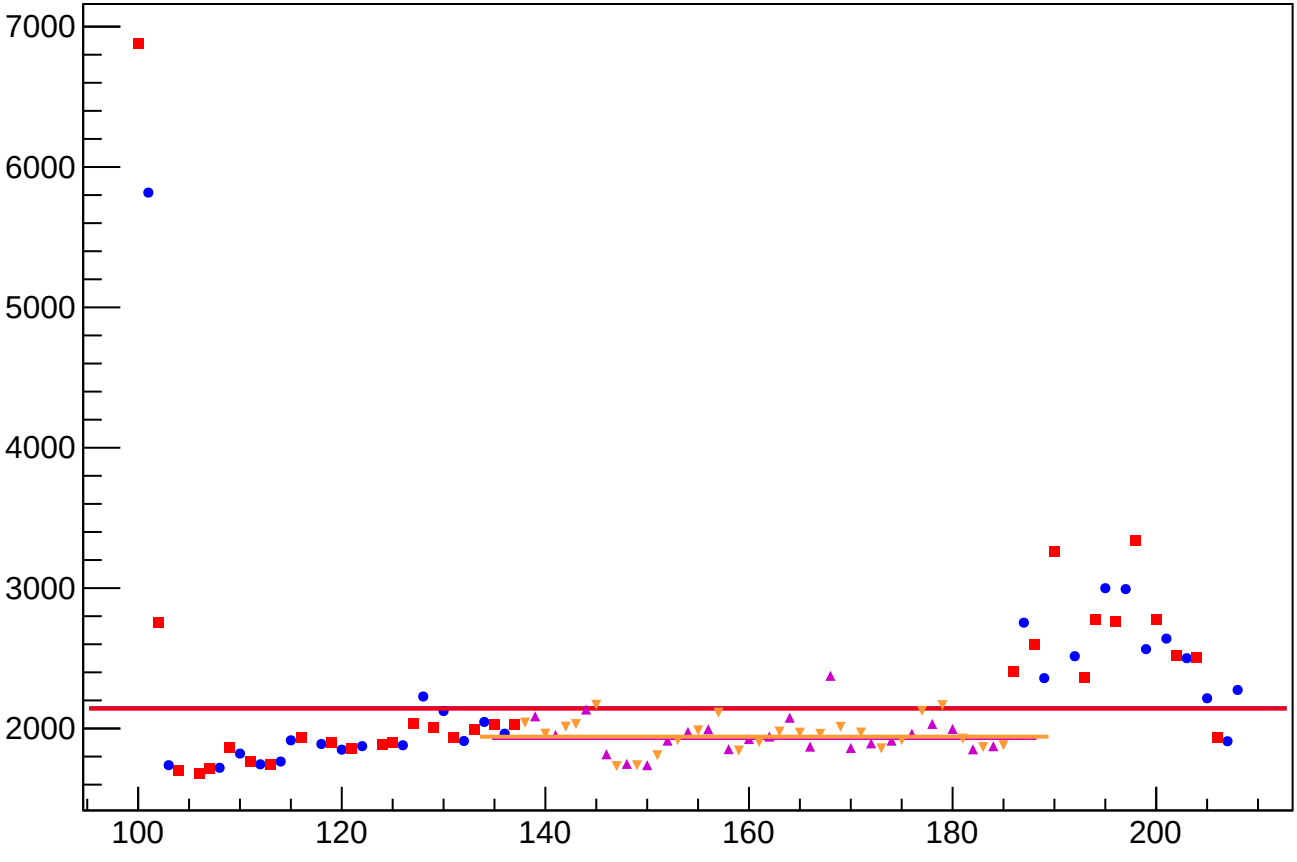
Right: 2824.479+/-388.692 χ^2/NDF: 45.0/56

In: 2282.995+/-349.944 χ^2/NDF:53.6/49

Out: 2651.595+/-343.903 χ^2/NDF:52.0/54

All: 2470.504+/-245.284 χ^2/NDF: 106.2/104

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2143.823+/-0.391 χ^2/NDF: 1344895.9/26

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2142.339+/-0.387 χ^2/NDF: 1205616.9/29

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

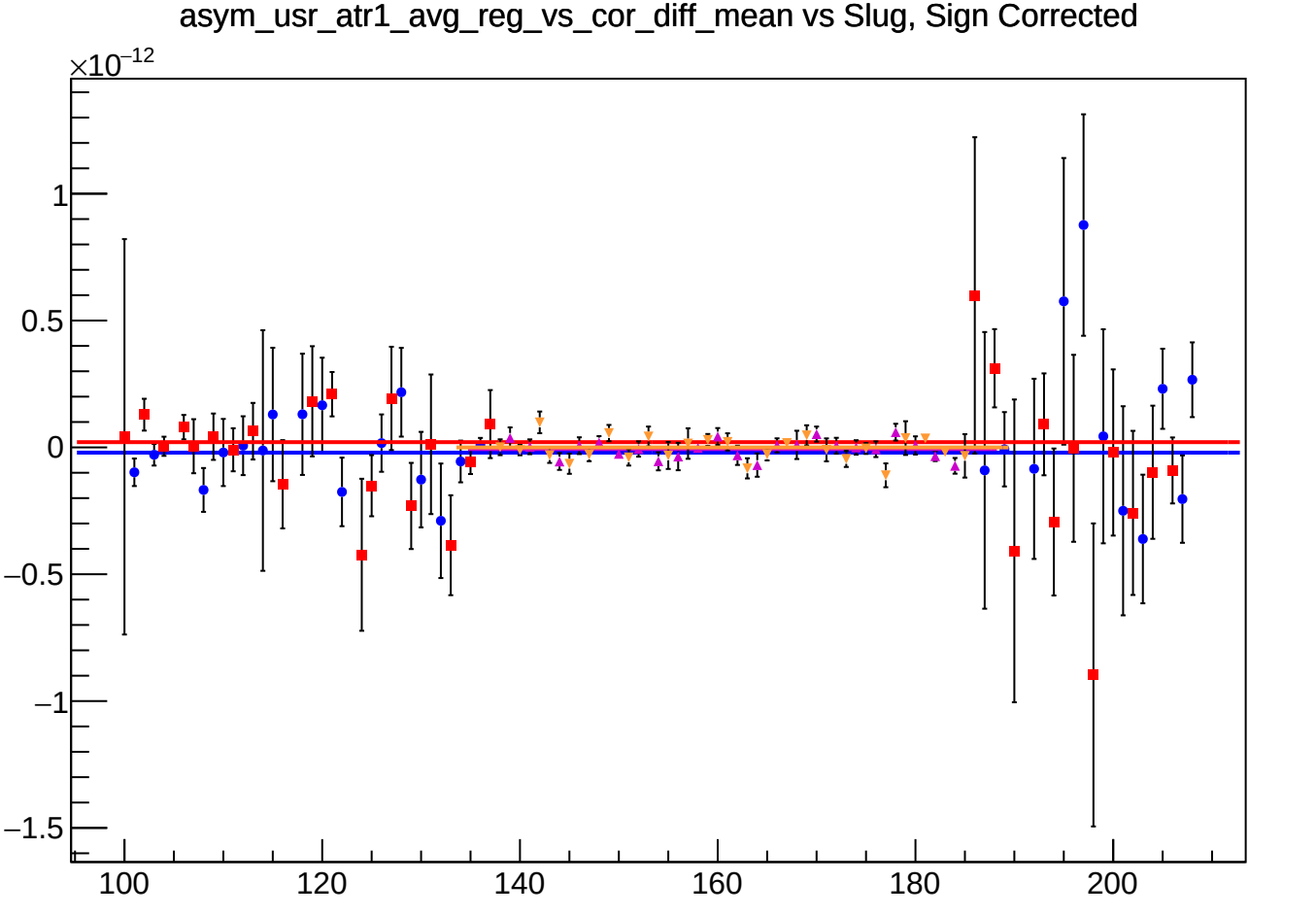
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2143.074+/-0.275 χ^2/NDF: 2550520.1/56

In: 2016.904+/-0.247 χ^2/NDF:1681151.9/49

Out: 2020.922+/-0.243 χ^2/NDF:1507529.3/54

All: 2018.948+/-0.173 χ^2/NDF: 3188815.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

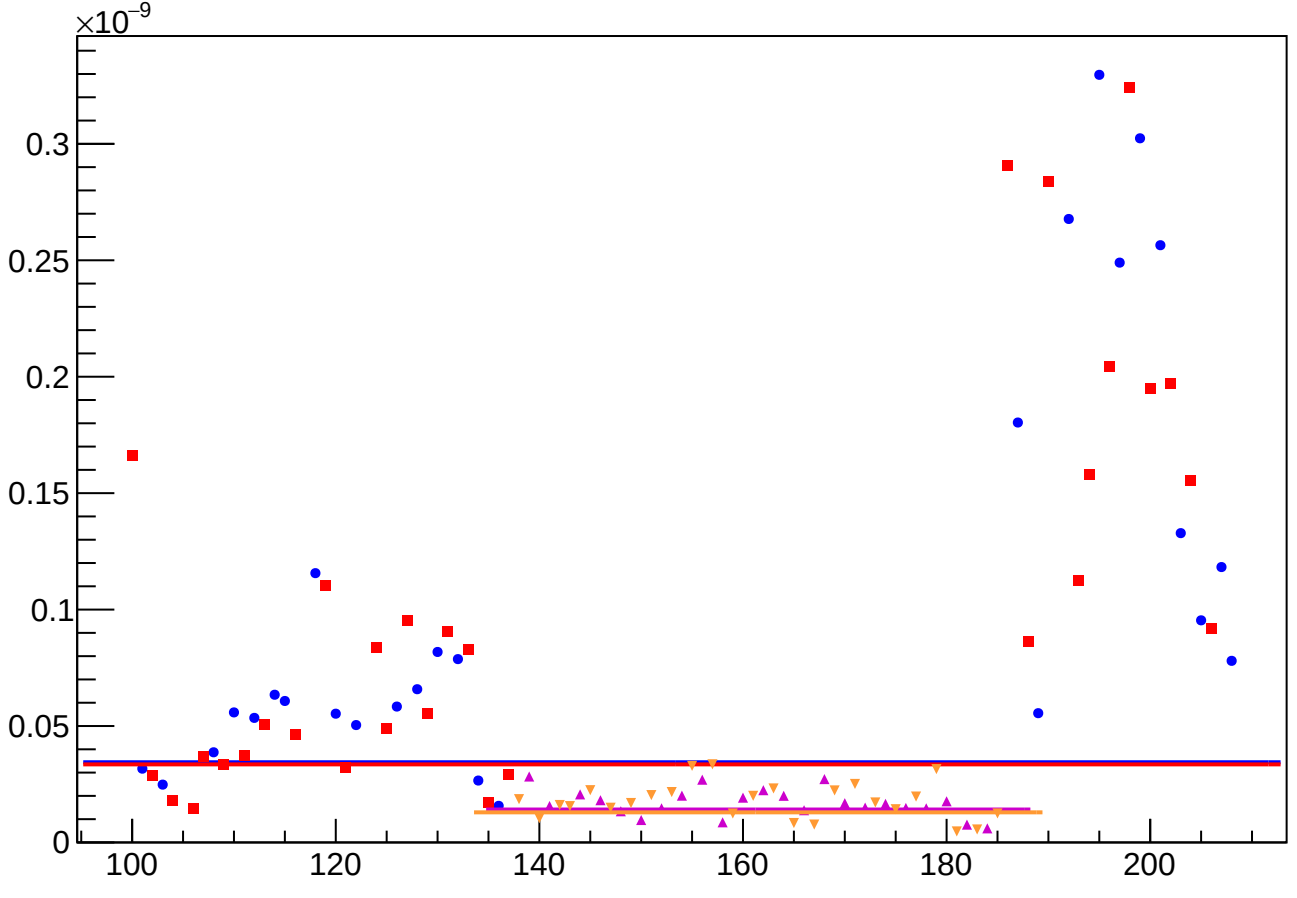
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.0/56

In: -0.000+/-0.000 χ^2/NDF:55.9/49

Out: 0.000+/-0.000 χ^2/NDF:77.2/54

All: -0.000+/-0.000 χ^2/NDF: 134.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 6414213.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6119986.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

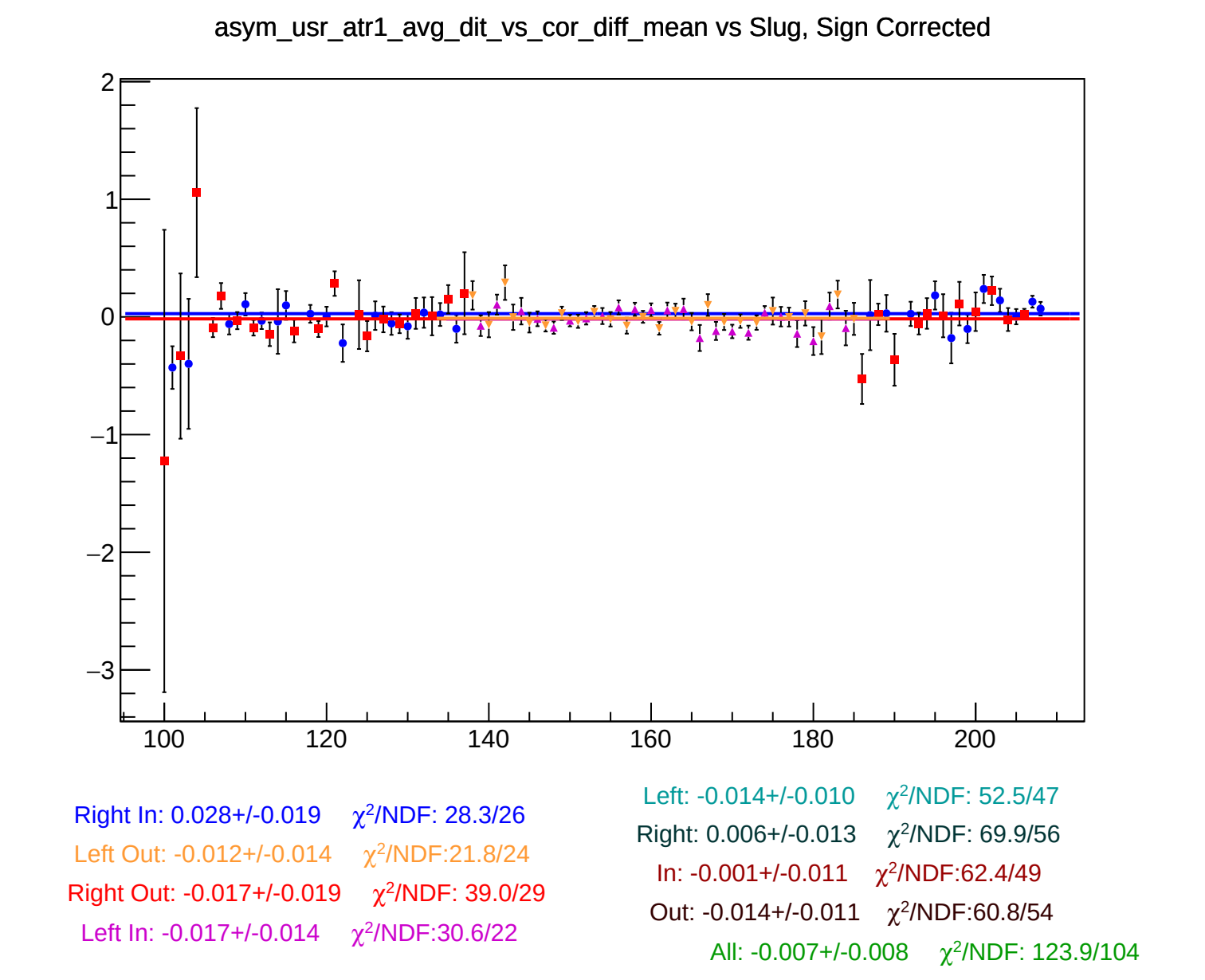
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

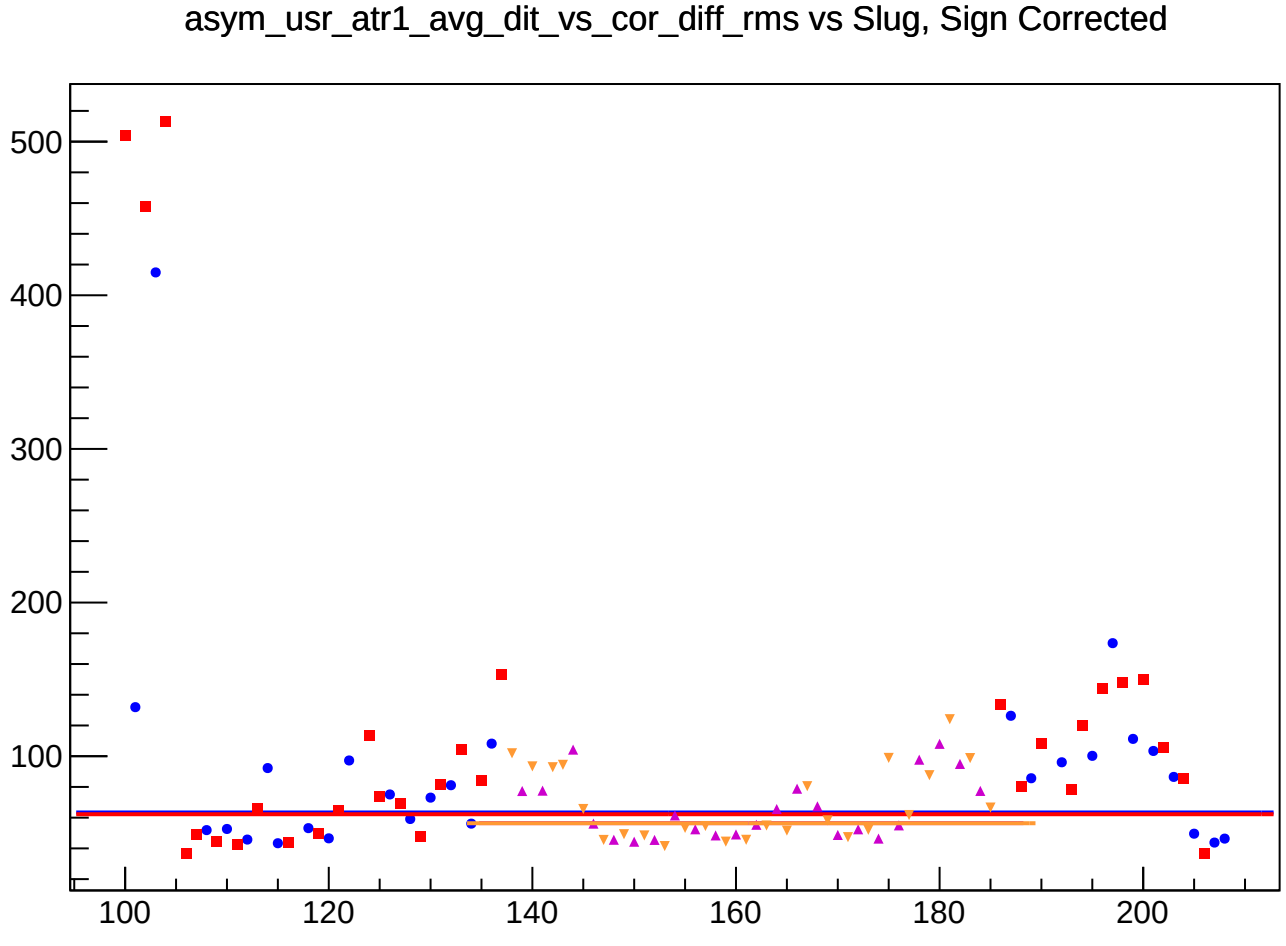
Right: 0.000+/-0.000 χ^2/NDF: 12536585.5/56

In: 0.000+/-0.000 χ^2/NDF:10117437.3/49

Out: 0.000+/-0.000 χ^2/NDF:11163488.5/54

All: 0.000+/-0.000 χ^2/NDF: 21350392.6/104


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.028+/-0.019 χ²/NDF: 28.3/26
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 39.0/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.006+/-0.013 χ²/NDF: 69.9/56
In: -0.001+/-0.011 χ²/NDF:62.4/49
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.007+/-0.008 χ²/NDF: 123.9/104



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

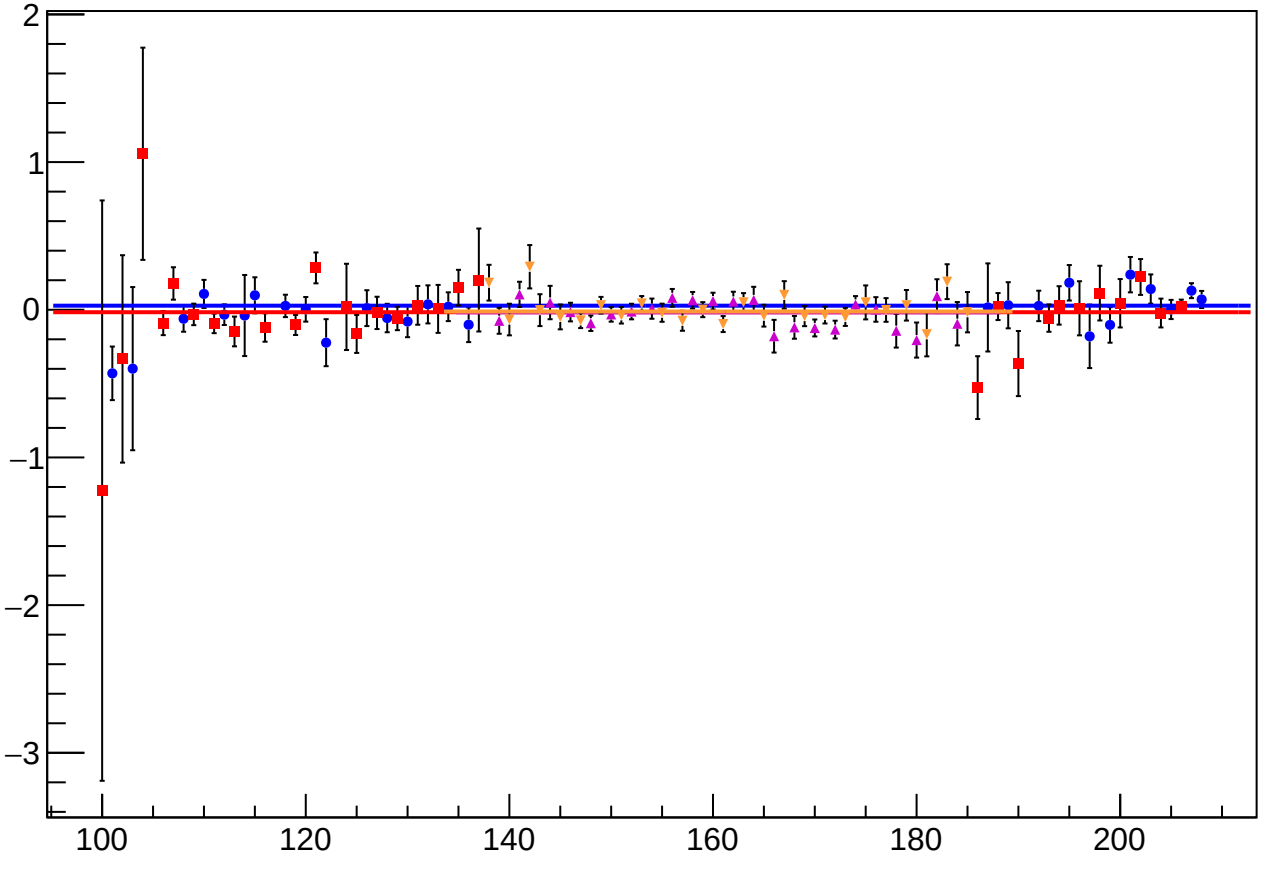
Right: 62.810+/-0.009 χ^2/NDF: 10212937.5/56

In: 59.035+/-0.008 χ^2/NDF:6508662.6/49

Out: 58.498+/-0.008 χ^2/NDF:8928556.3/54

All: 58.765+/-0.006 χ^2/NDF: 15439415.2/104

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.017+/-0.019 χ^2/NDF: 39.0/29

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

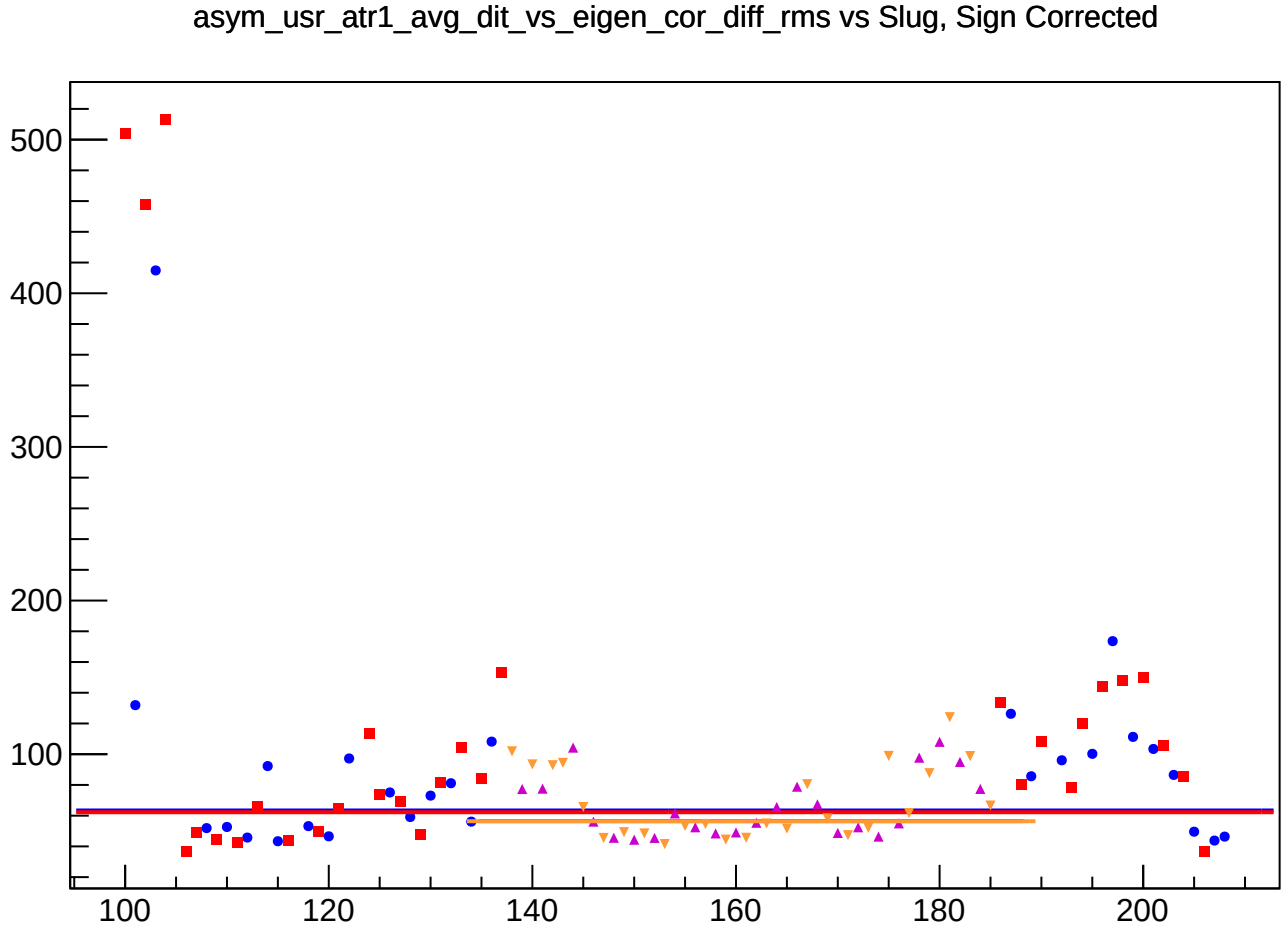
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.006+/-0.013 χ^2/NDF: 69.9/56

In: -0.001+/-0.011 χ^2/NDF:62.4/49

Out: -0.014+/-0.011 χ^2/NDF:60.8/54

All: -0.007+/-0.008 χ^2/NDF: 123.9/104



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

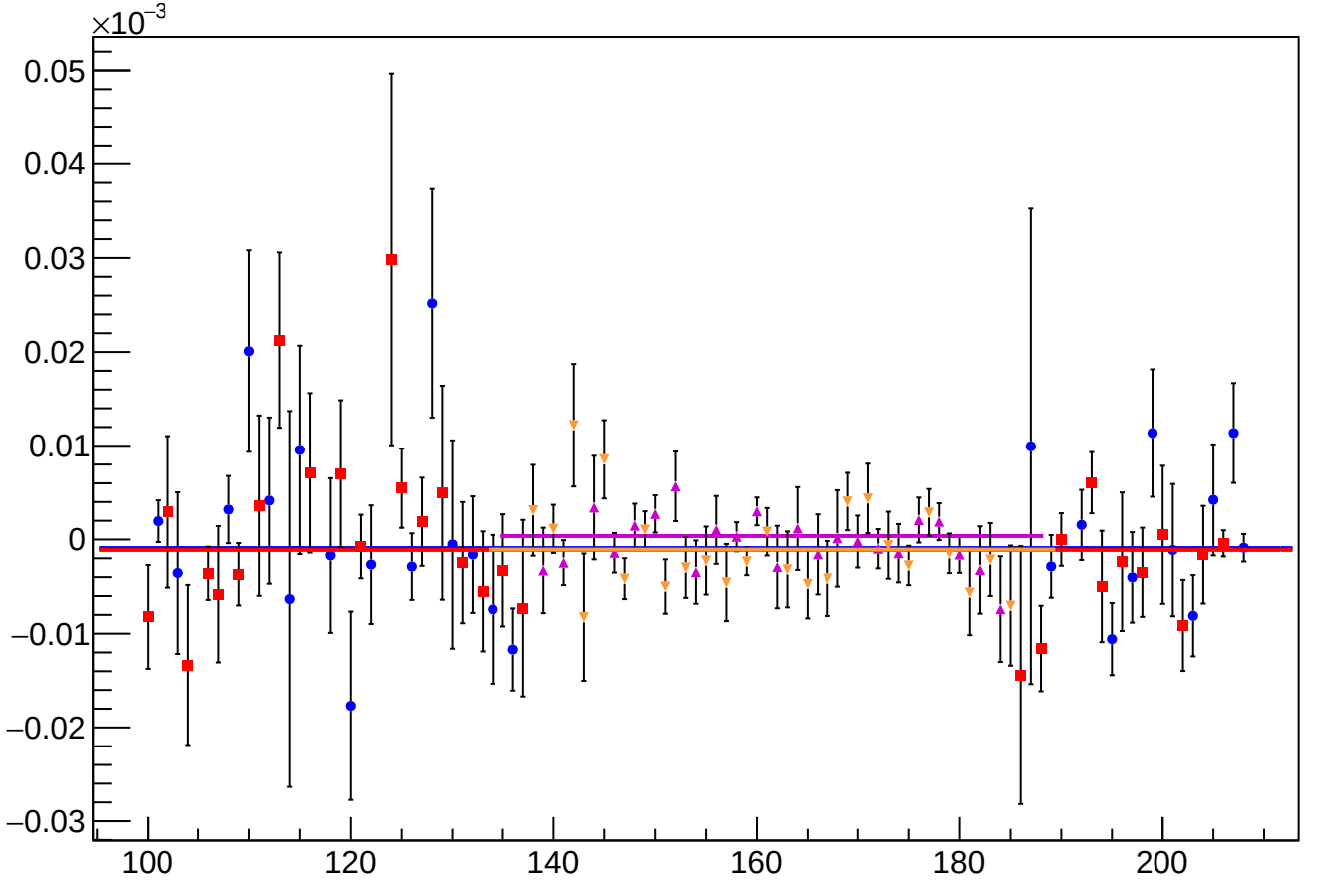
Right: 62.810+/-0.009 χ^2/NDF: 10212937.5/56

In: 59.035+/-0.008 χ^2/NDF:6508662.6/49

Out: 58.498+/-0.008 χ^2/NDF:8928556.3/54

All: 58.765+/-0.006 χ^2/NDF: 15439415.2/104

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

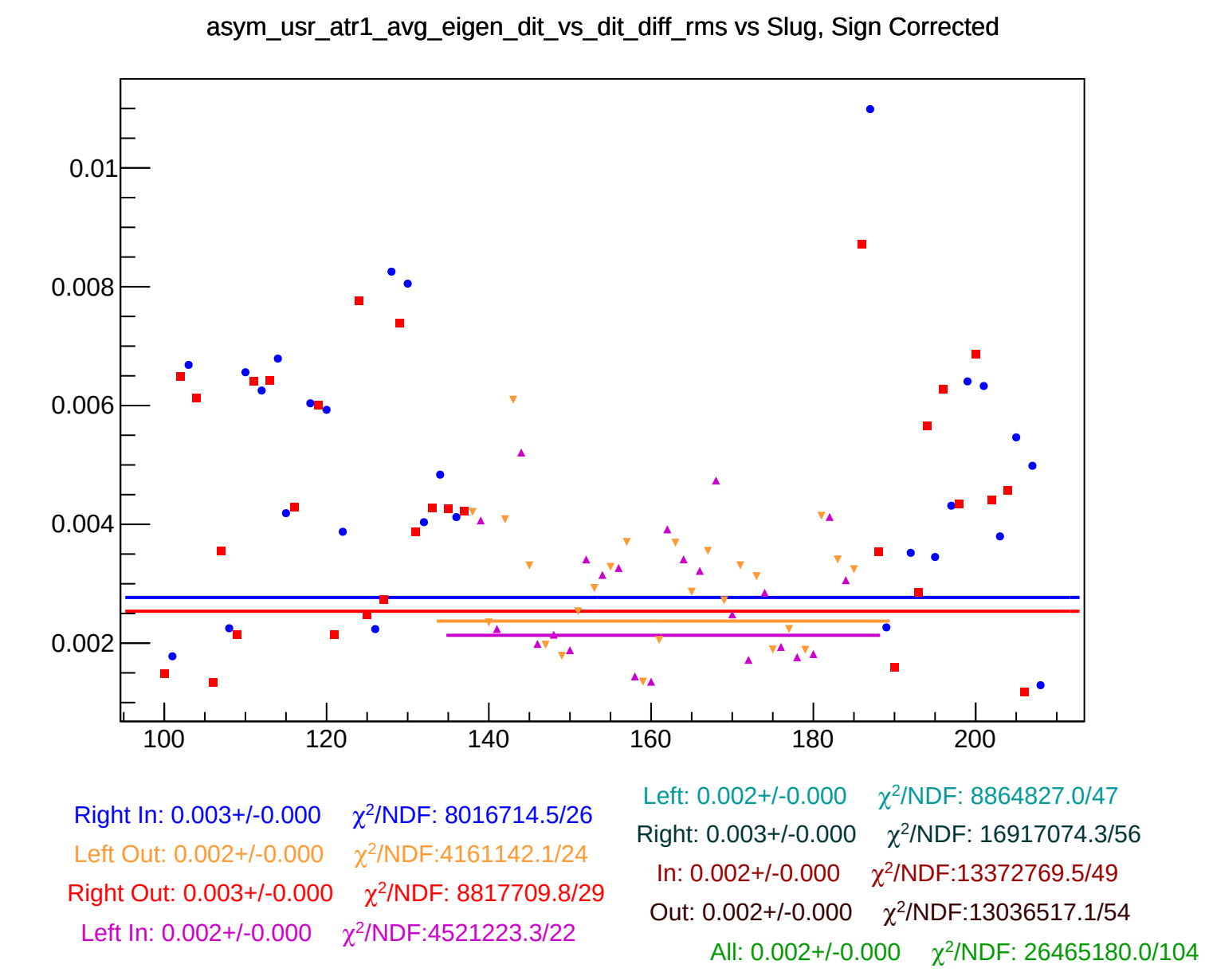
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

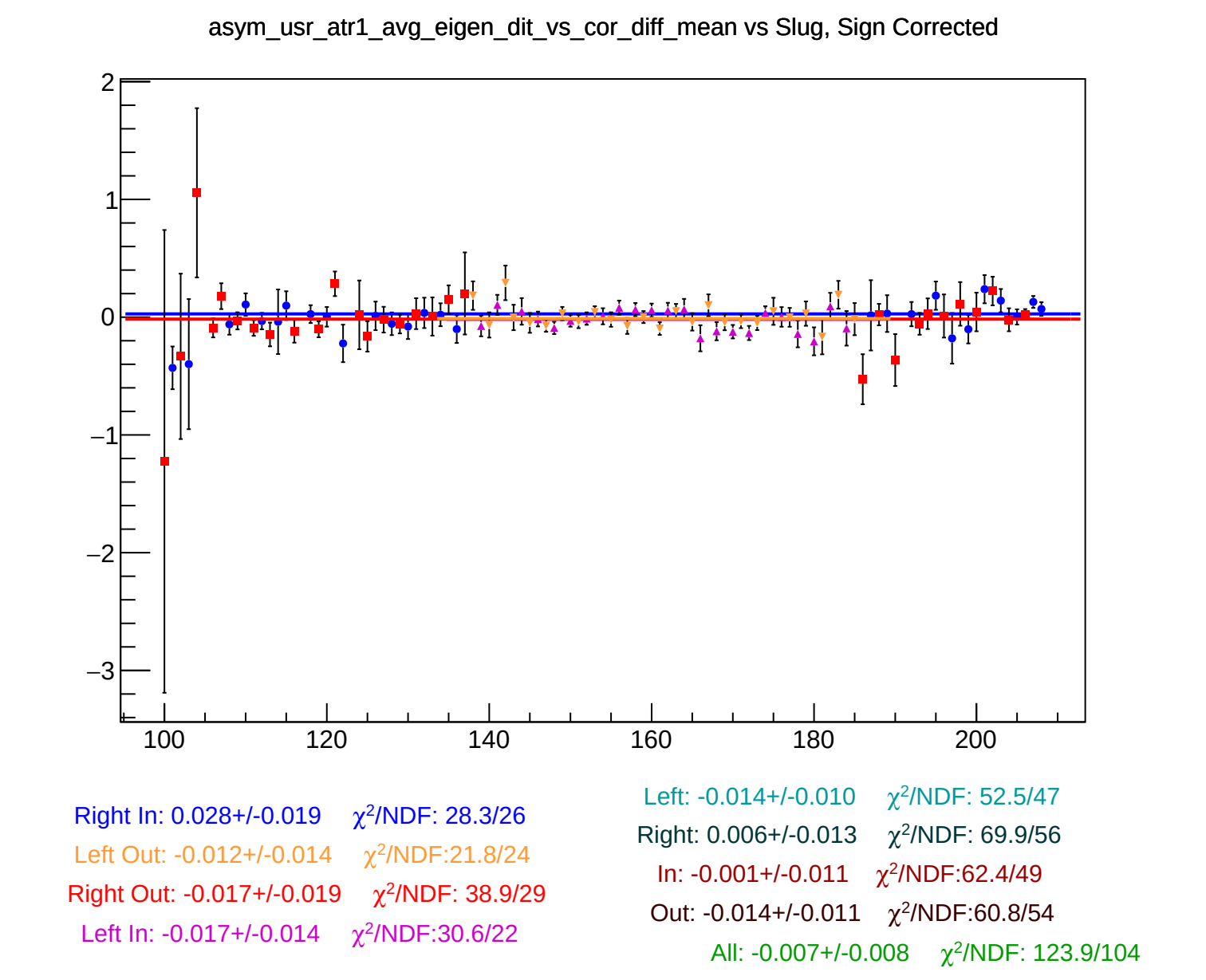
Right: -0.000+/-0.000 χ^2/NDF: 78.0/56

In: -0.000+/-0.000 χ^2/NDF:61.8/49

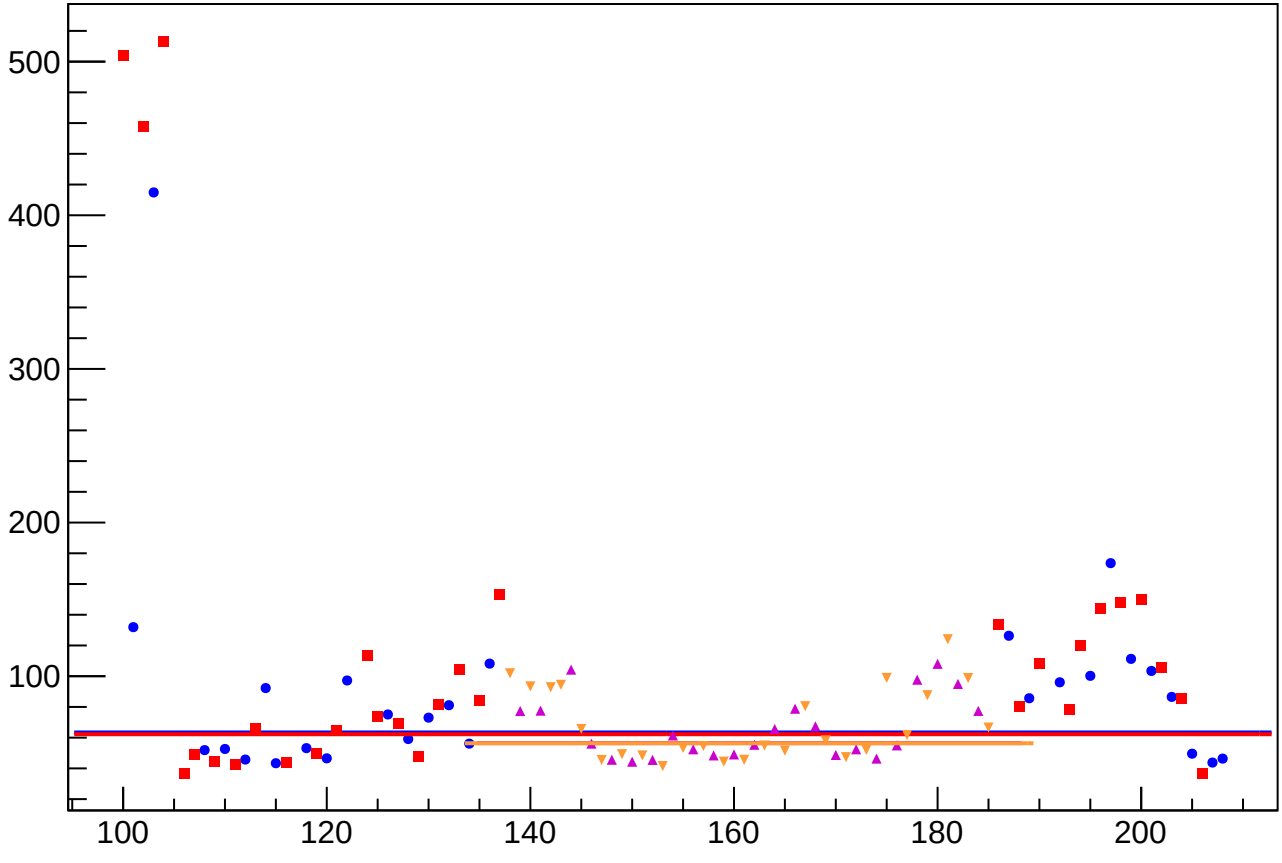
Out: -0.000+/-0.000 χ^2/NDF:67.0/54

All: -0.000+/-0.000 χ^2/NDF: 131.5/104


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 8016714.5/26
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 8817709.8/29
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 16917074.3/56
In: 0.002+/-0.000 χ²/NDF:13372769.5/49
Out: 0.002+/-0.000 χ²/NDF:13036517.1/54
All: 0.002+/-0.000 χ²/NDF: 26465180.0/104


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.028+/-0.019 χ²/NDF: 28.3/26
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 38.9/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.006+/-0.013 χ²/NDF: 69.9/56
In: -0.001+/-0.011 χ²/NDF:62.4/49
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.007+/-0.008 χ²/NDF: 123.9/104

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

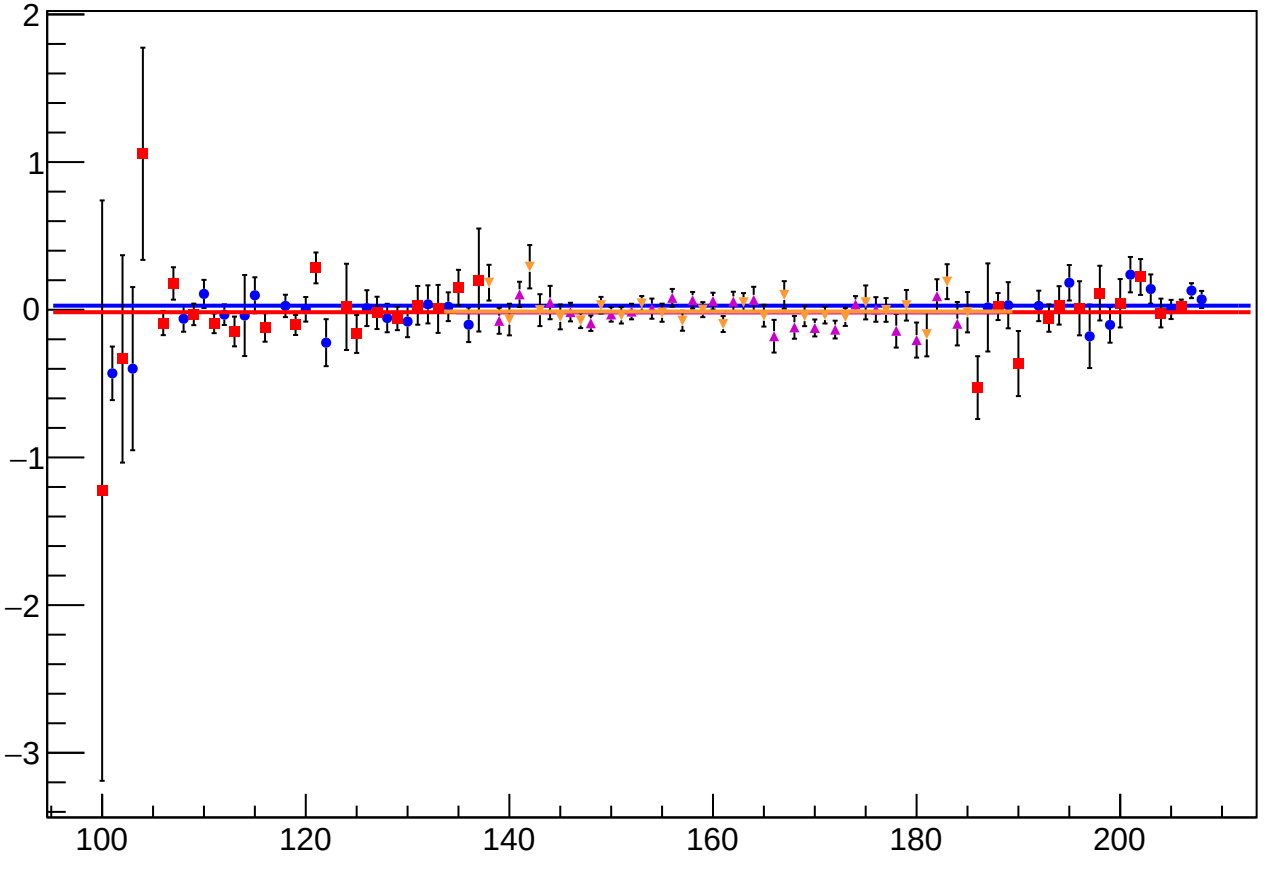
Right: 62.809+/-0.009 χ^2/NDF: 10212917.5/56

In: 59.035+/-0.008 χ^2/NDF:6508572.4/49

Out: 58.498+/-0.008 χ^2/NDF:8928629.3/54

All: 58.765+/-0.006 χ^2/NDF: 15439398.4/104

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.017+/-0.019 χ^2/NDF: 38.9/29

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

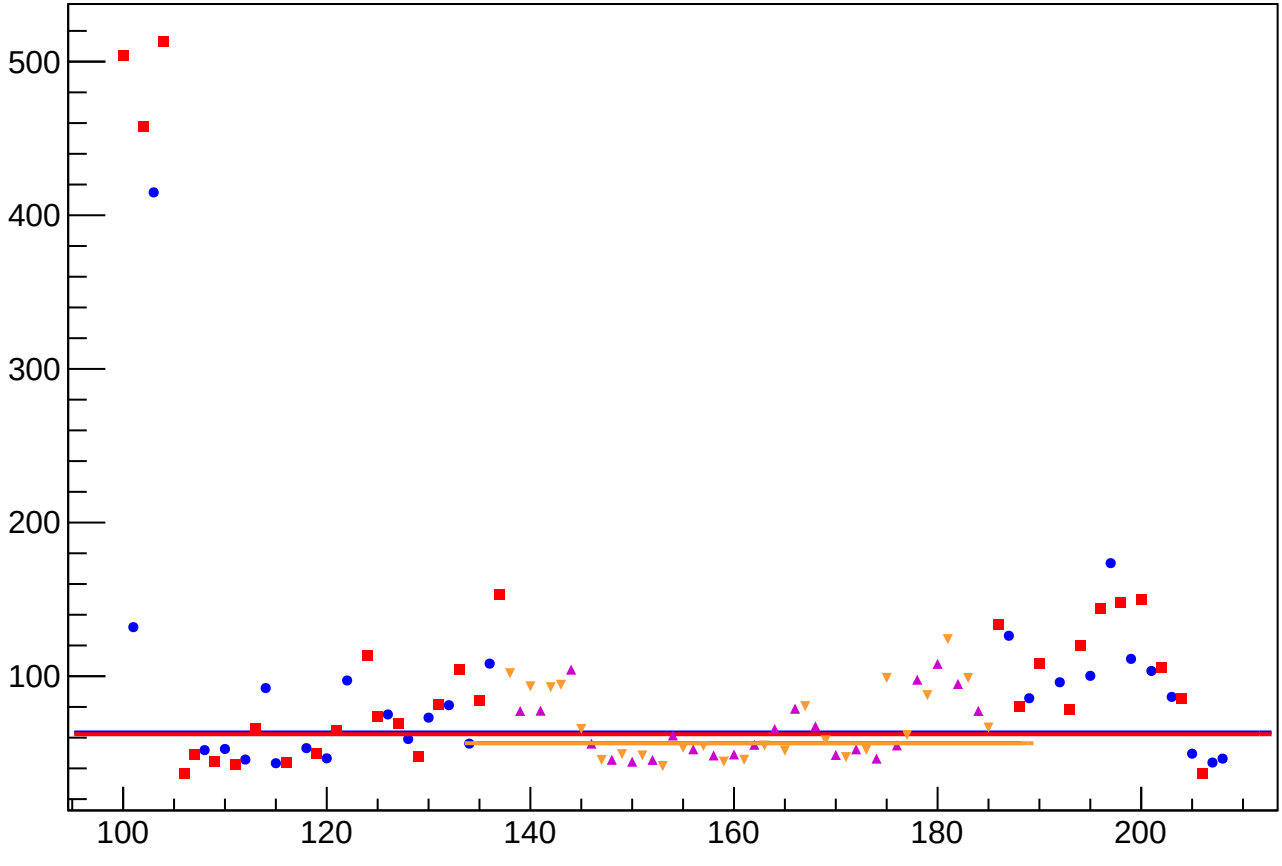
Right: 0.006+/-0.013 χ^2/NDF: 69.9/56

In: -0.001+/-0.011 χ^2/NDF:62.4/49

Out: -0.014+/-0.011 χ^2/NDF:60.8/54

All: -0.007+/-0.008 χ^2/NDF: 123.9/104

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

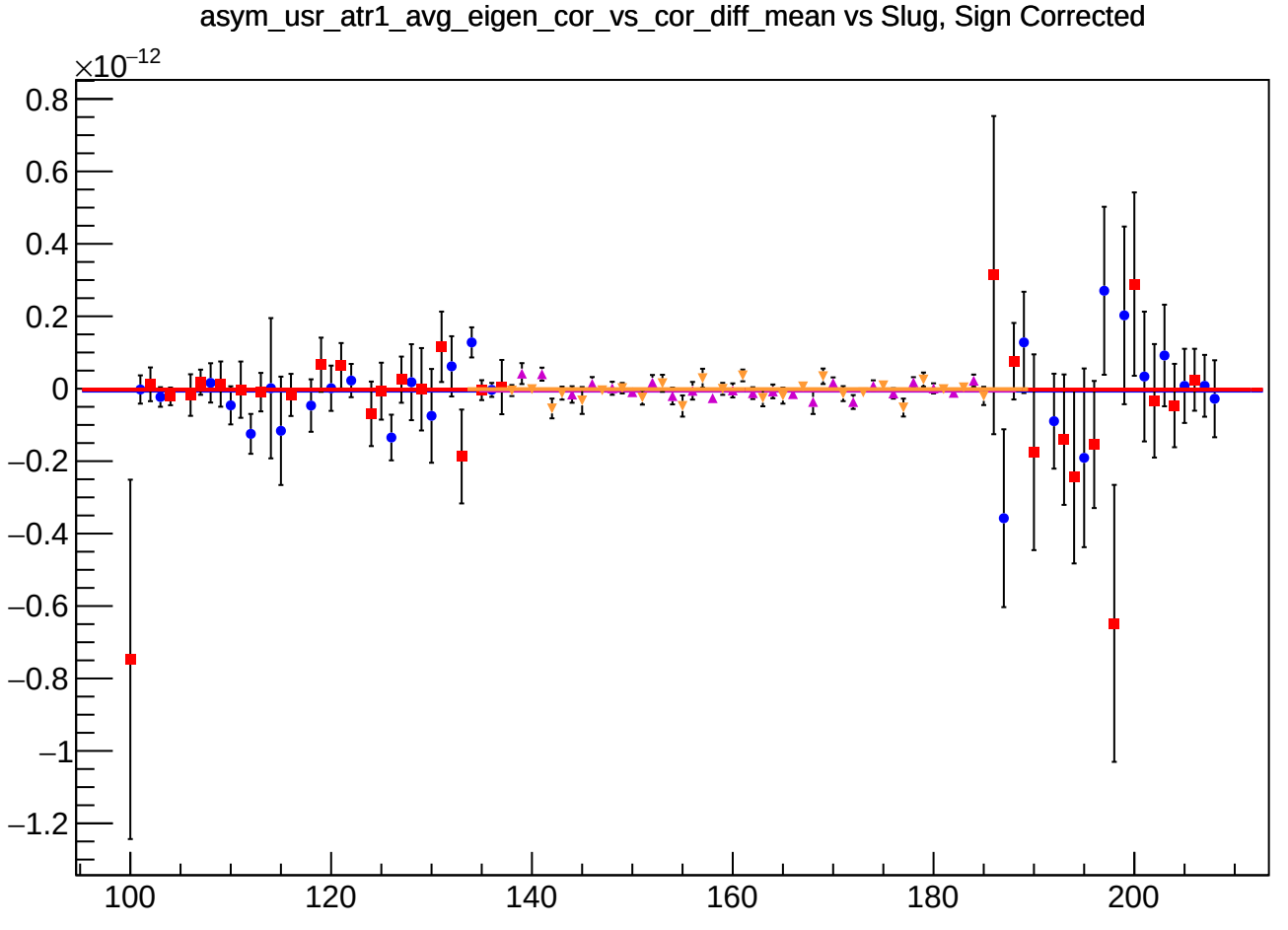
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

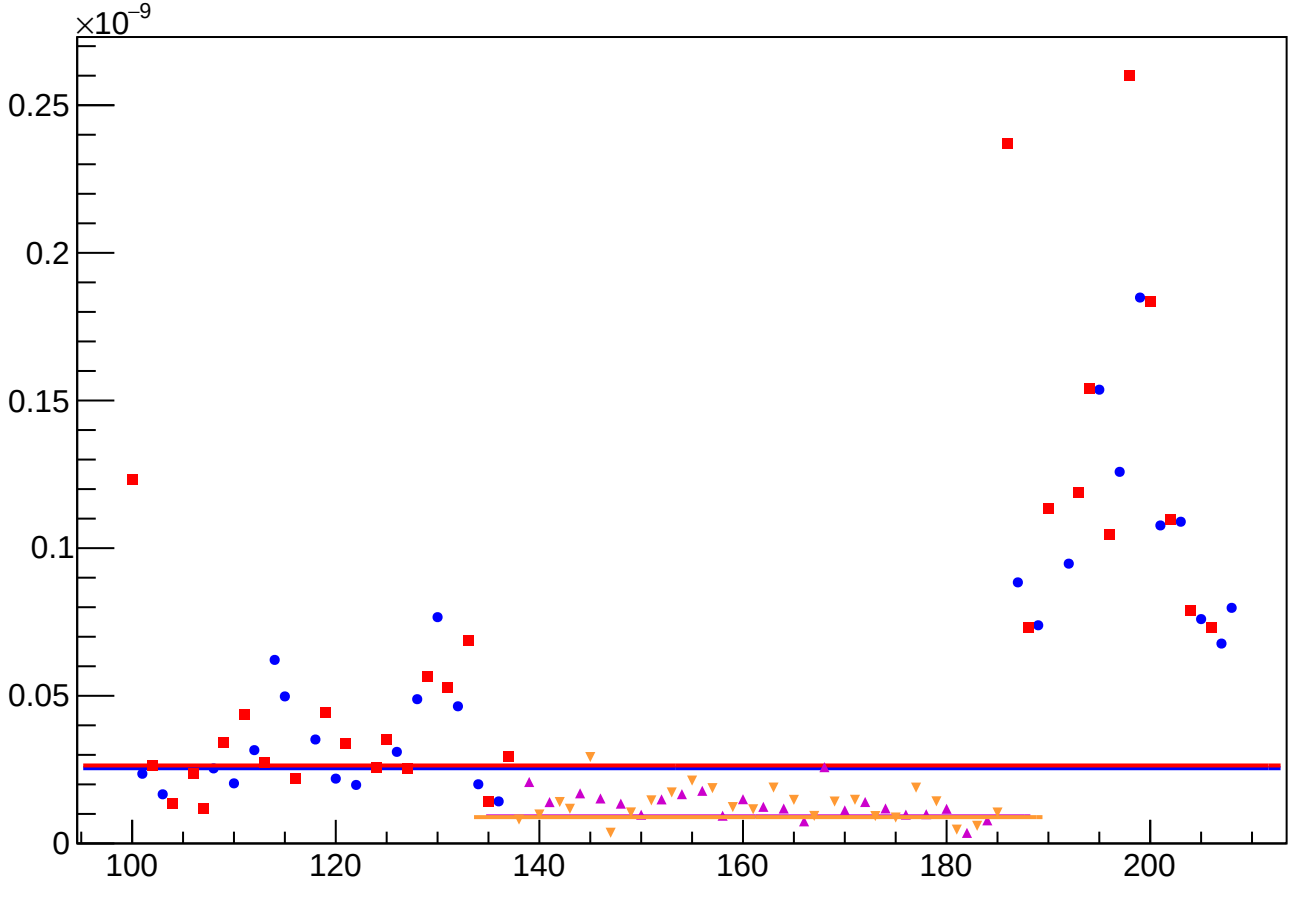
Right: 62.809+/-0.009 χ^2/NDF: 10212917.5/56

In: 59.035+/-0.008 χ^2/NDF:6508572.4/49

Out: 58.498+/-0.008 χ^2/NDF:8928629.3/54

All: 58.765+/-0.006 χ^2/NDF: 15439398.4/104


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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.3/26
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/29
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: 47.3/56
In: -0.000+/-0.000 χ²/NDF:57.7/49
Out: -0.000+/-0.000 χ²/NDF:47.6/54
All: -0.000+/-0.000 χ²/NDF: 106.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 7039487.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7842958.2/29

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

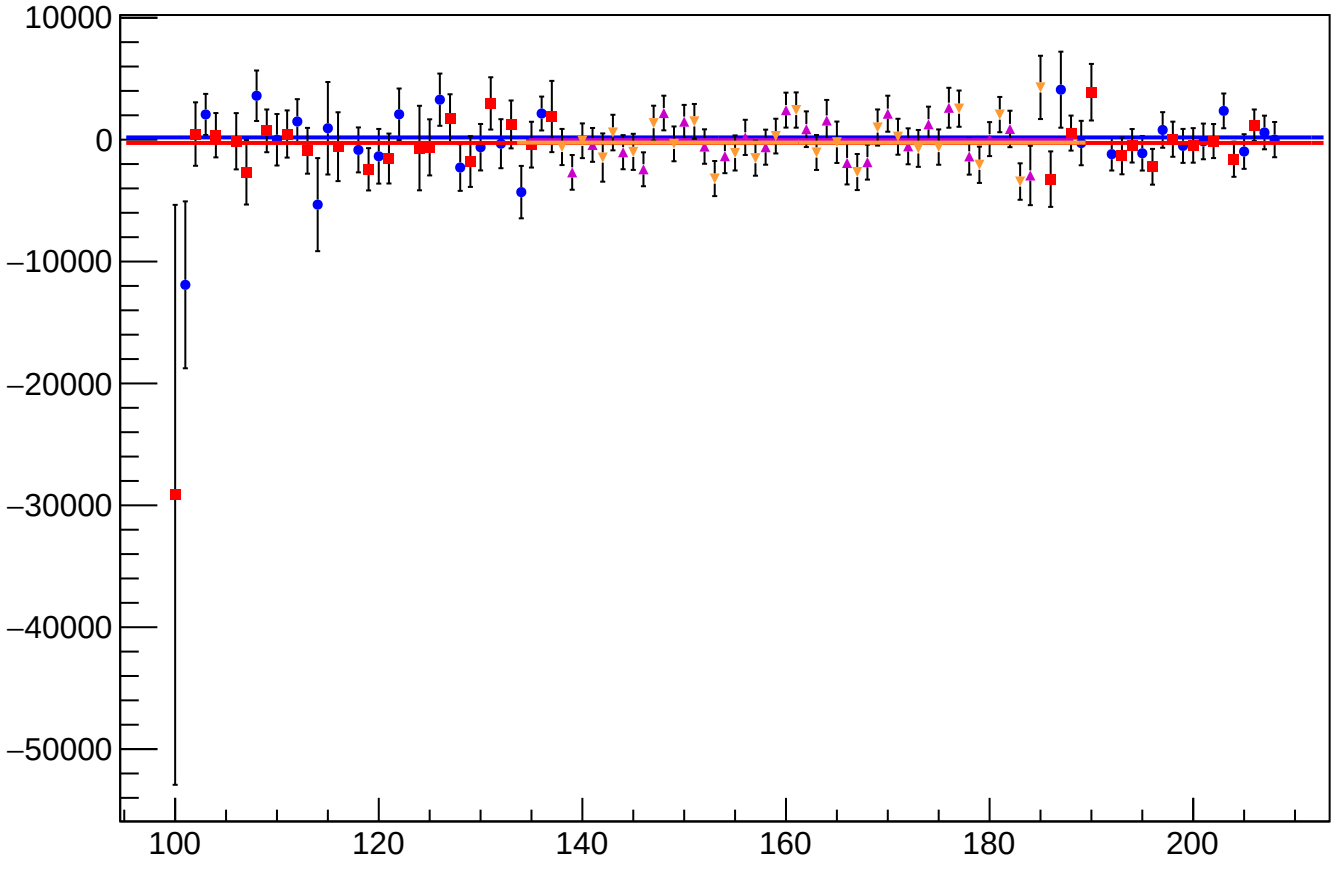
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14889373.0/56

In: 0.000+/-0.000 χ^2/NDF:16277387.6/49

Out: 0.000+/-0.000 χ^2/NDF:17225281.6/54

All: 0.000+/-0.000 χ^2/NDF: 33519207.1/104



Right In: 183.362+/-340.431 χ^2/NDF: 28.8/26

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -268.555+/-336.074 χ^2/NDF: 19.8/29

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

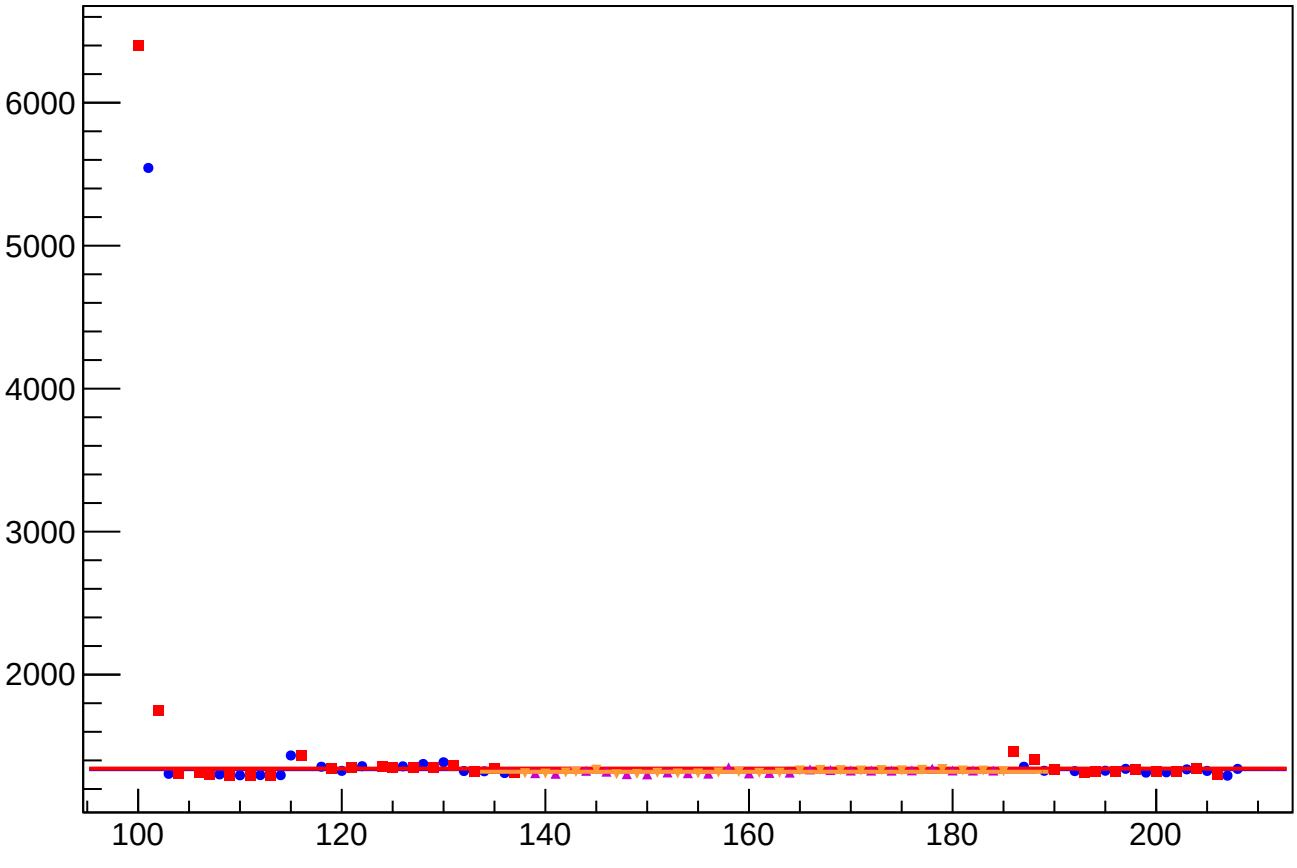
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: -45.506+/-239.166 χ^2/NDF: 49.4/56

In: 61.243+/-228.649 χ^2/NDF:56.1/49

Out: -253.150+/-223.806 χ^2/NDF:51.5/54

All: -99.318+/-159.940 χ^2/NDF: 108.6/104



Right In: 1338.735+/-0.241 χ^2/NDF: 766418.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.687+/-0.238 χ^2/NDF: 161588.8/29

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

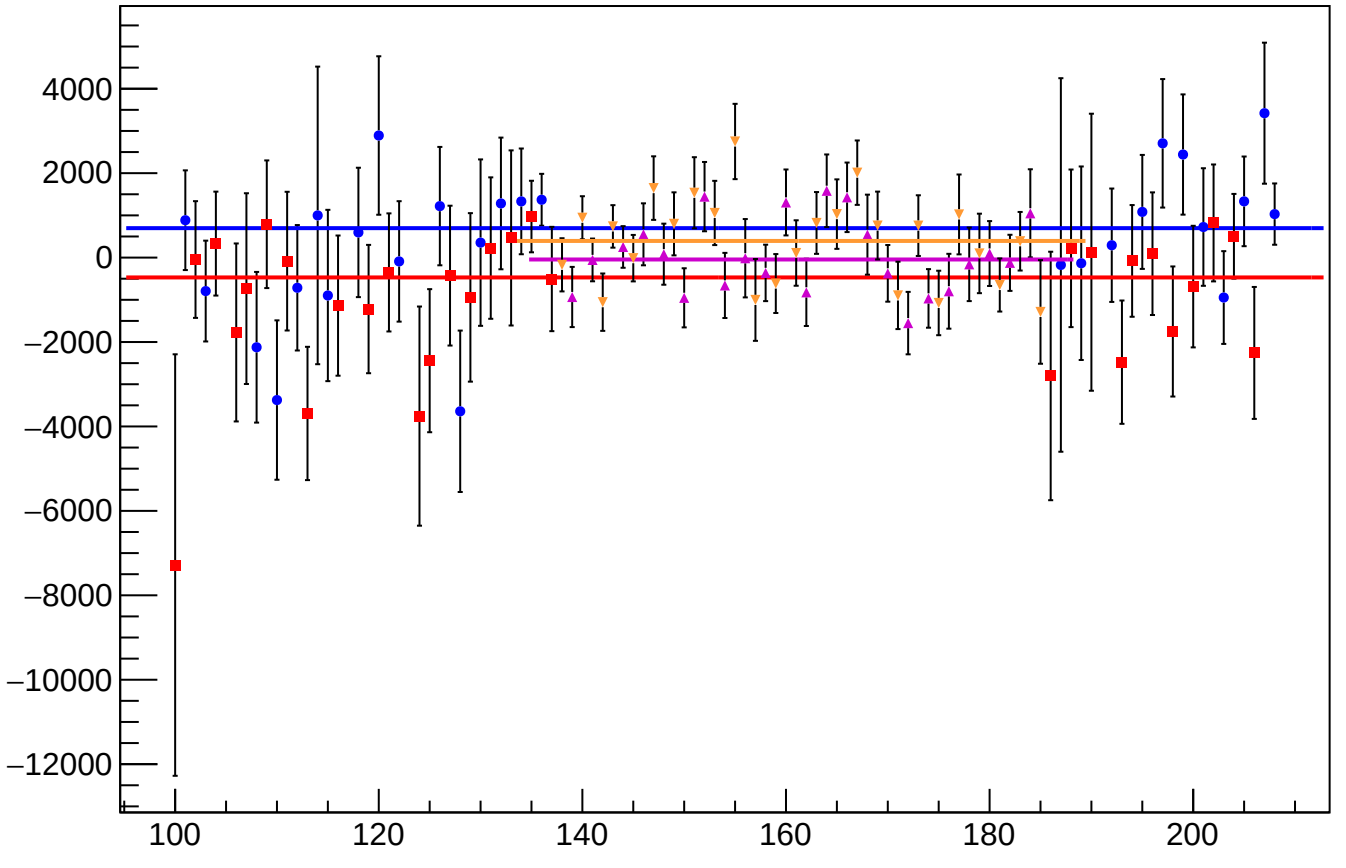
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.736+/-0.169 χ^2/NDF: 928144.1/56

In: 1329.430+/-0.162 χ^2/NDF:772694.3/49

Out: 1330.473+/-0.158 χ^2/NDF:168937.6/54

All: 1329.963+/-0.113 χ^2/NDF: 941653.2/104



Right In: 697.604+/-254.128 χ^2/NDF: 27.9/26

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -470.018+/-280.108 χ^2/NDF: 21.2/29

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

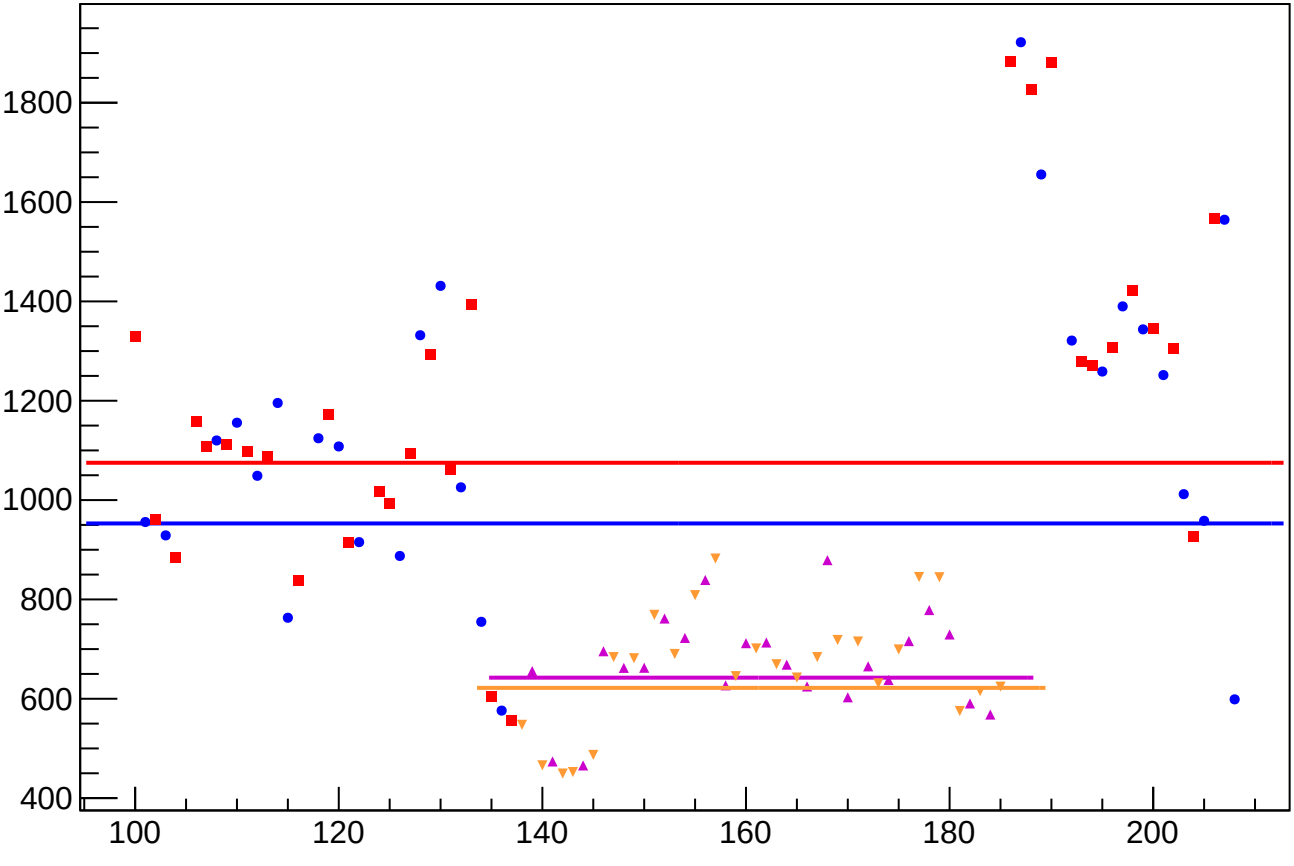
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 170.440+/-188.212 χ^2/NDF: 58.6/56

In: 151.462+/-130.657 χ^2/NDF:61.8/49

Out: 212.705+/-128.462 χ^2/NDF:70.5/54

All: 182.602+/-91.603 χ^2/NDF: 132.4/104



Right In: 952.955+/-0.180 χ^2/NDF: 2818221.1/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1075.126+/-0.198 χ^2/NDF: 2393916.8/29

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

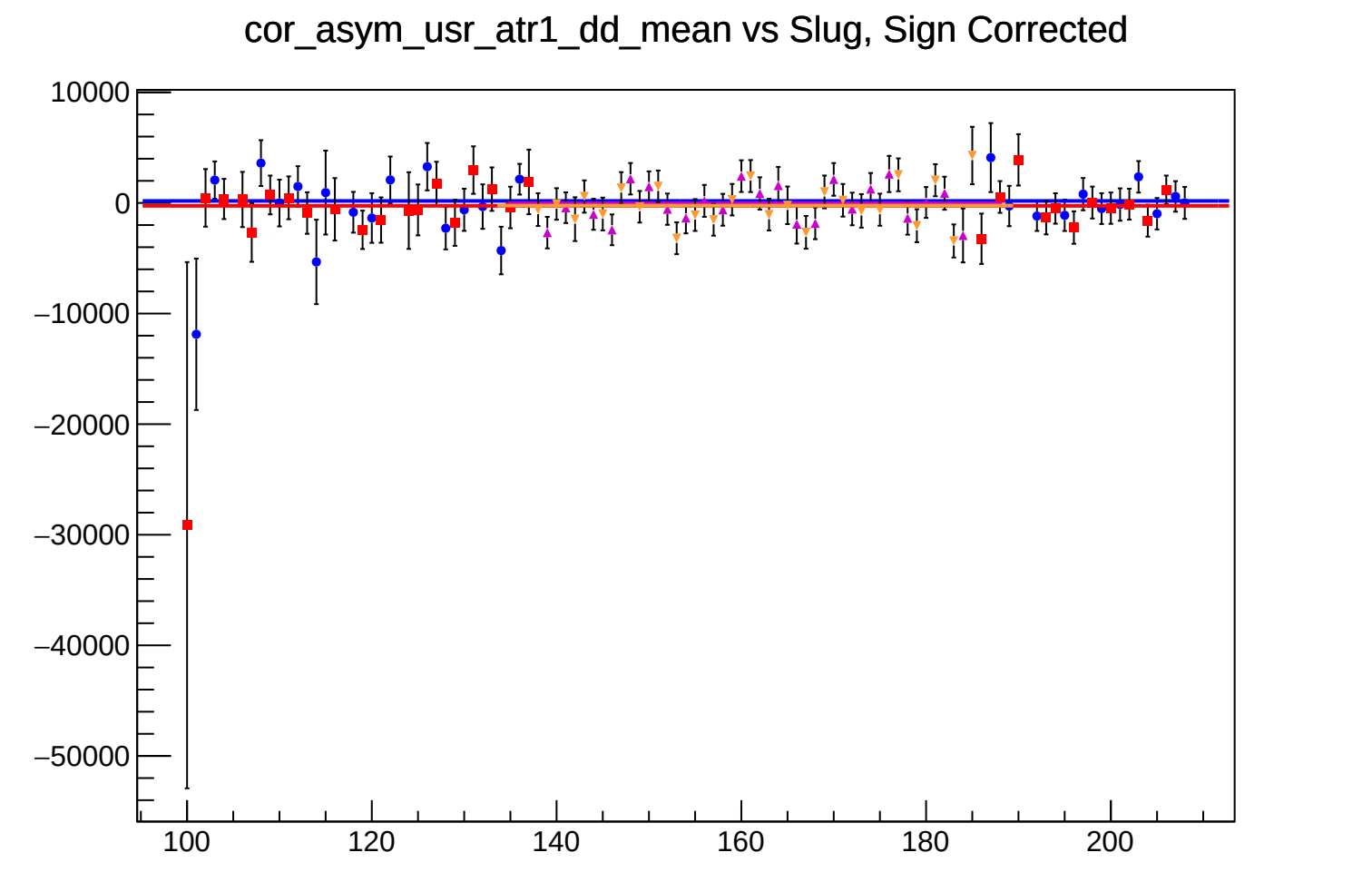
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1008.113+/-0.133 χ^2/NDF: 5420831.6/56

In: 724.543+/-0.092 χ^2/NDF:5940809.2/49

Out: 717.267+/-0.091 χ^2/NDF:7911286.3/54

All: 720.843+/-0.065 χ^2/NDF: 13855249.1/10



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -261.043+/-336.589 χ^2/NDF: 19.8/29

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

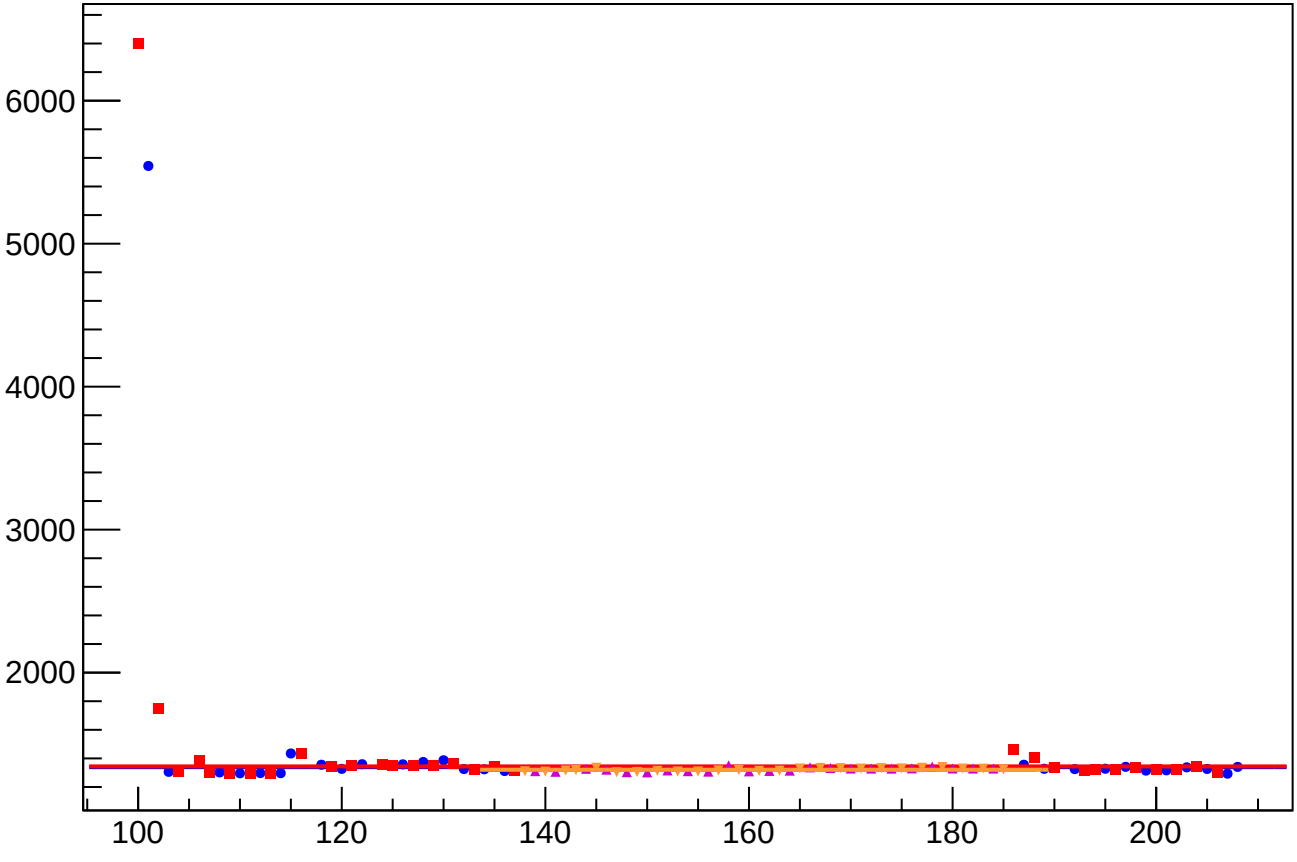
Right: -41.315+/-239.351 χ^2/NDF: 49.4/56

In: 61.246+/-228.649 χ^2/NDF:56.1/49

Out: -249.804+/-223.958 χ^2/NDF:51.6/54

All: -97.502+/-159.995 χ^2/NDF: 108.6/104

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

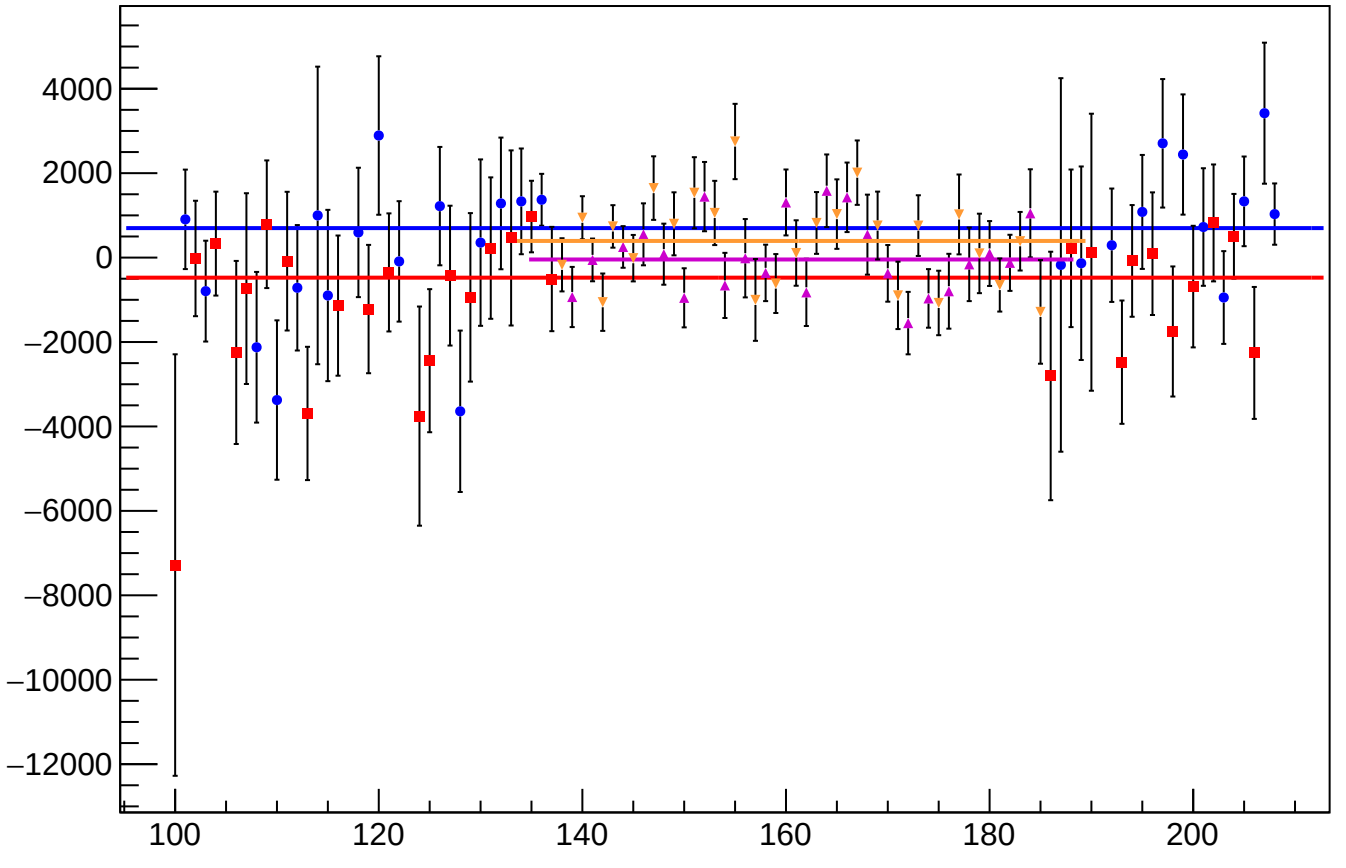
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1341.428+/-0.169 χ^2/NDF: 928665.5/56

In: 1329.430+/-0.162 χ^2/NDF:772693.4/49

Out: 1331.065+/-0.158 χ^2/NDF:169952.9/54

All: 1330.264+/-0.113 χ^2/NDF: 942698.5/104



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -475.282+/-280.110 χ^2/NDF: 21.5/29

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

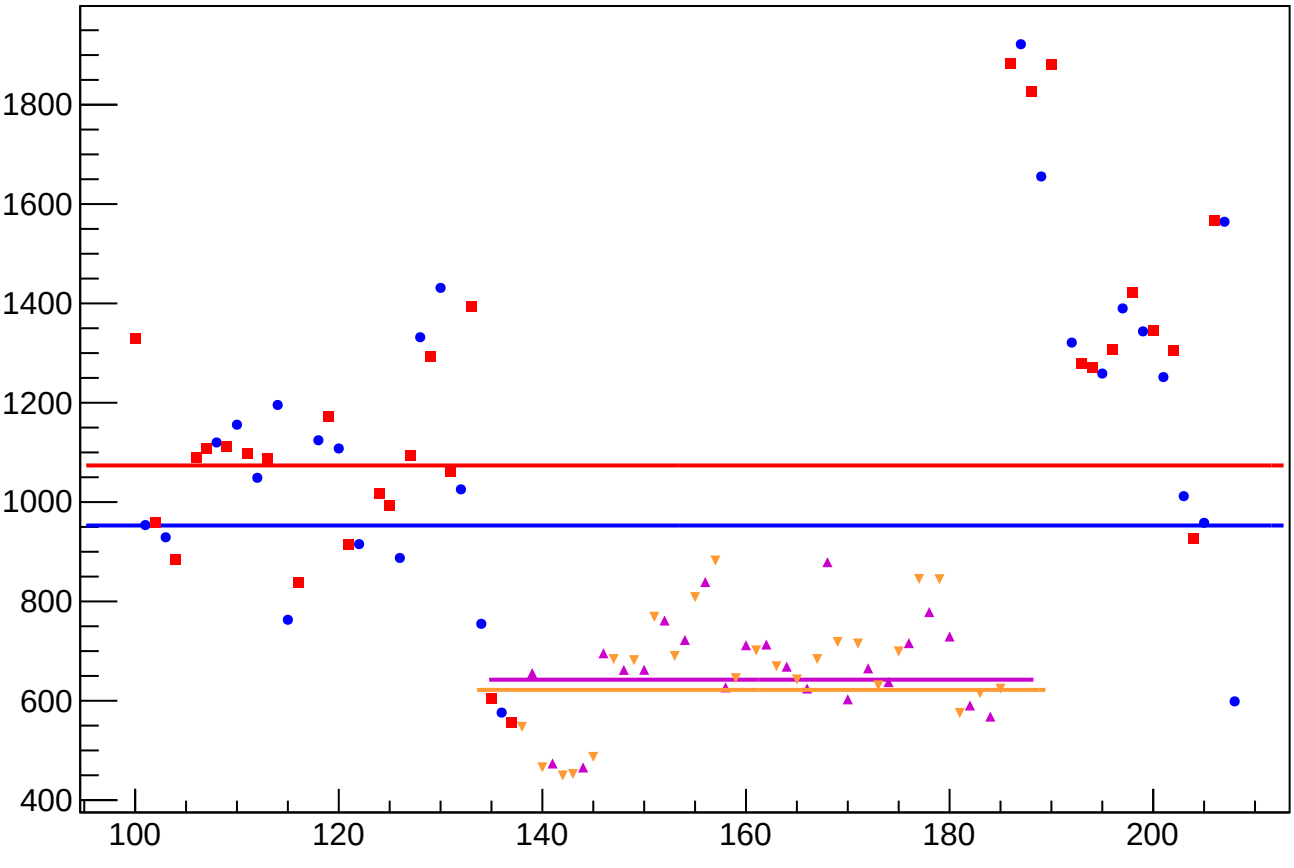
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 168.668+/-188.202 χ^2/NDF: 59.0/56

In: 151.759+/-130.653 χ^2/NDF:61.8/49

Out: 211.578+/-128.463 χ^2/NDF:70.9/54

All: 182.174+/-91.601 χ^2/NDF: 132.8/104



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

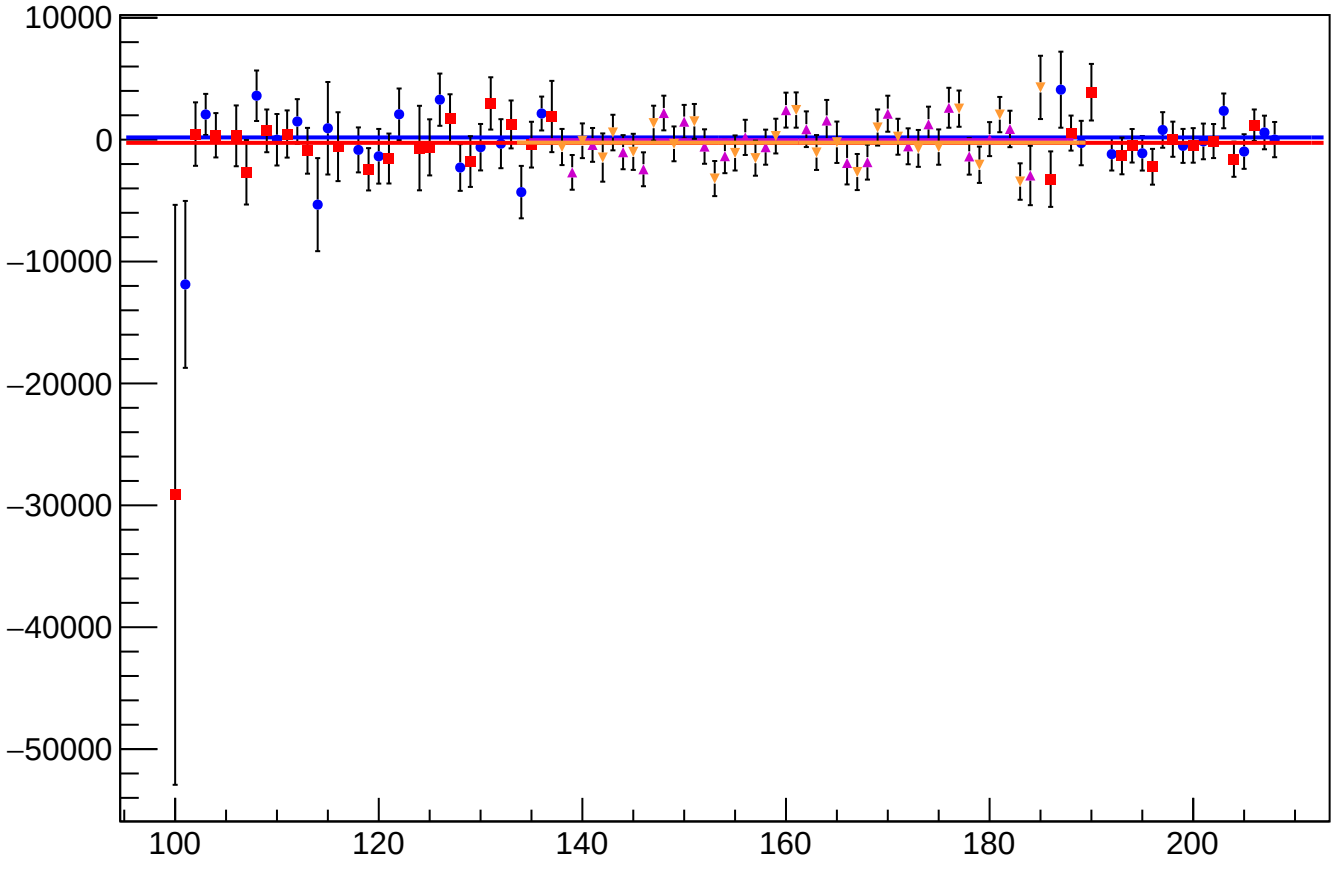
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1007.434+/-0.133 χ^2/NDF: 5414199.3/56

In: 724.527+/-0.092 χ^2/NDF:5939985.5/49

Out: 716.975+/-0.091 χ^2/NDF:7883696.7/54

All: 720.687+/-0.065 χ^2/NDF: 13827079.4/10



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -261.043+/-336.589 χ^2/NDF: 19.8/29

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

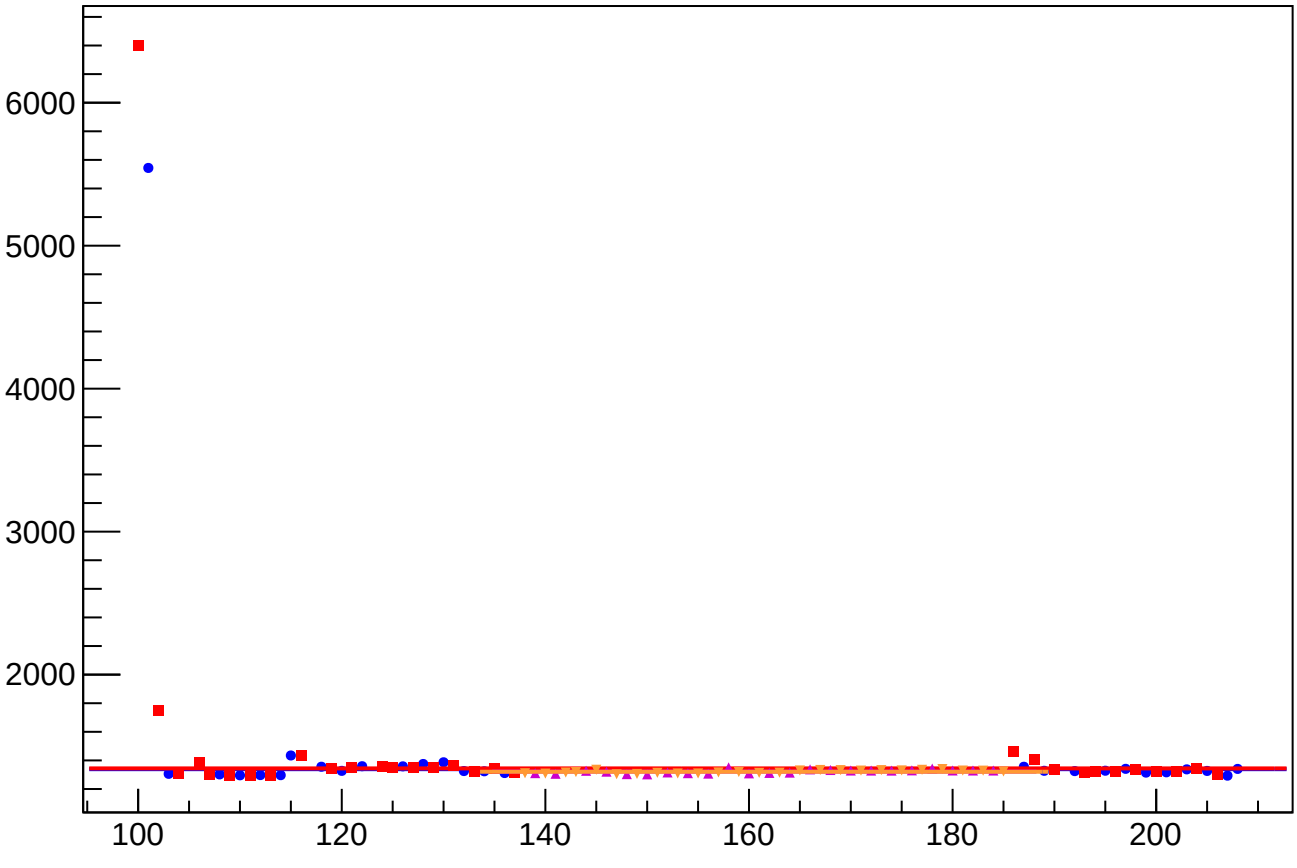
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -41.315+/-239.351 χ^2/NDF: 49.4/56

In: 61.246+/-228.649 χ^2/NDF:56.1/49

Out: -249.804+/-223.958 χ^2/NDF:51.6/54

All: -97.502+/-159.995 χ^2/NDF: 108.6/104



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

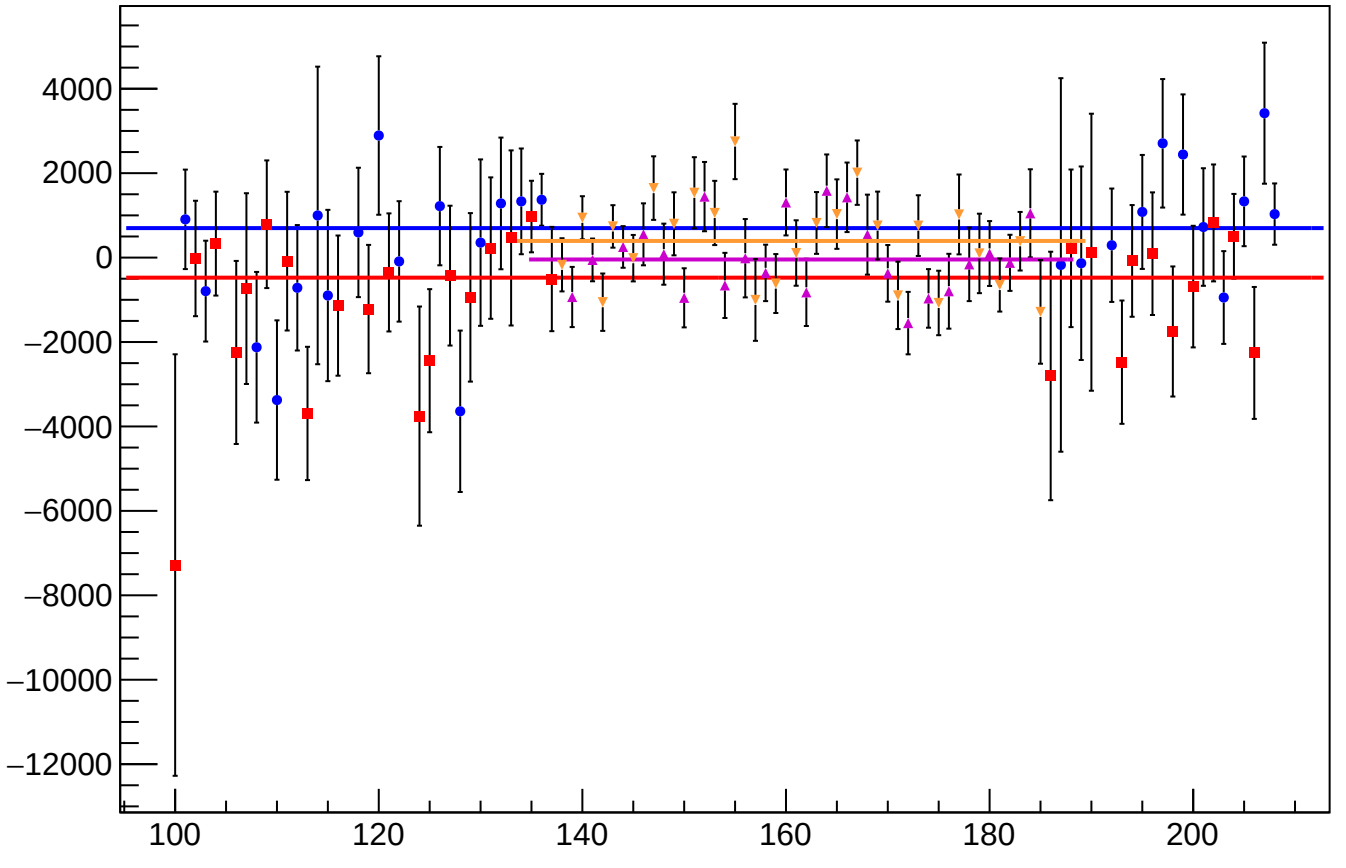
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1341.428+/-0.169 χ^2/NDF: 928665.5/56

In: 1329.430+/-0.162 χ^2/NDF:772693.4/49

Out: 1331.065+/-0.158 χ^2/NDF:169952.9/54

All: 1330.264+/-0.113 χ^2/NDF: 942698.5/104



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -475.282+/-280.110 χ^2/NDF: 21.5/29

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

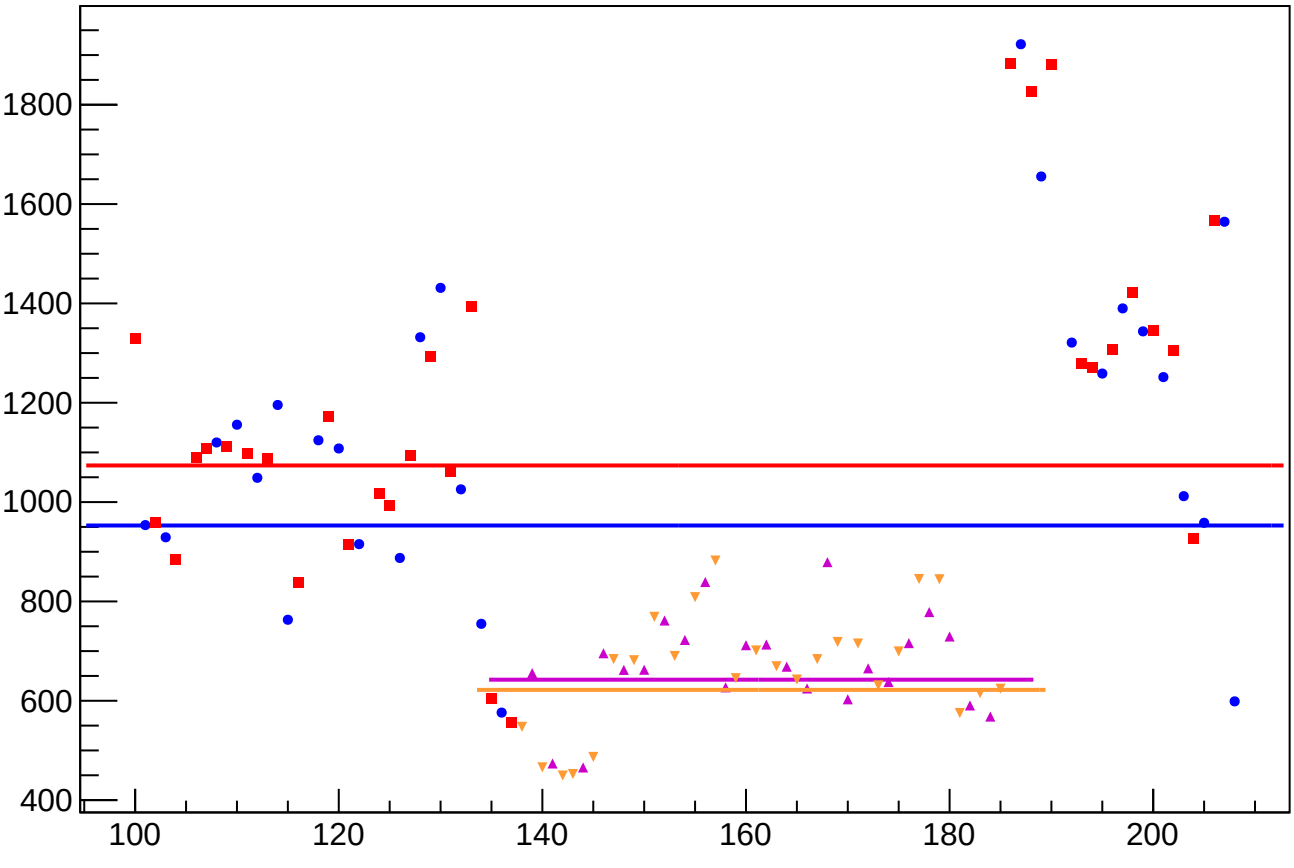
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 168.668+/-188.202 χ^2/NDF: 59.0/56

In: 151.759+/-130.653 χ^2/NDF:61.8/49

Out: 211.578+/-128.463 χ^2/NDF:70.9/54

All: 182.174+/-91.601 χ^2/NDF: 132.8/104



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

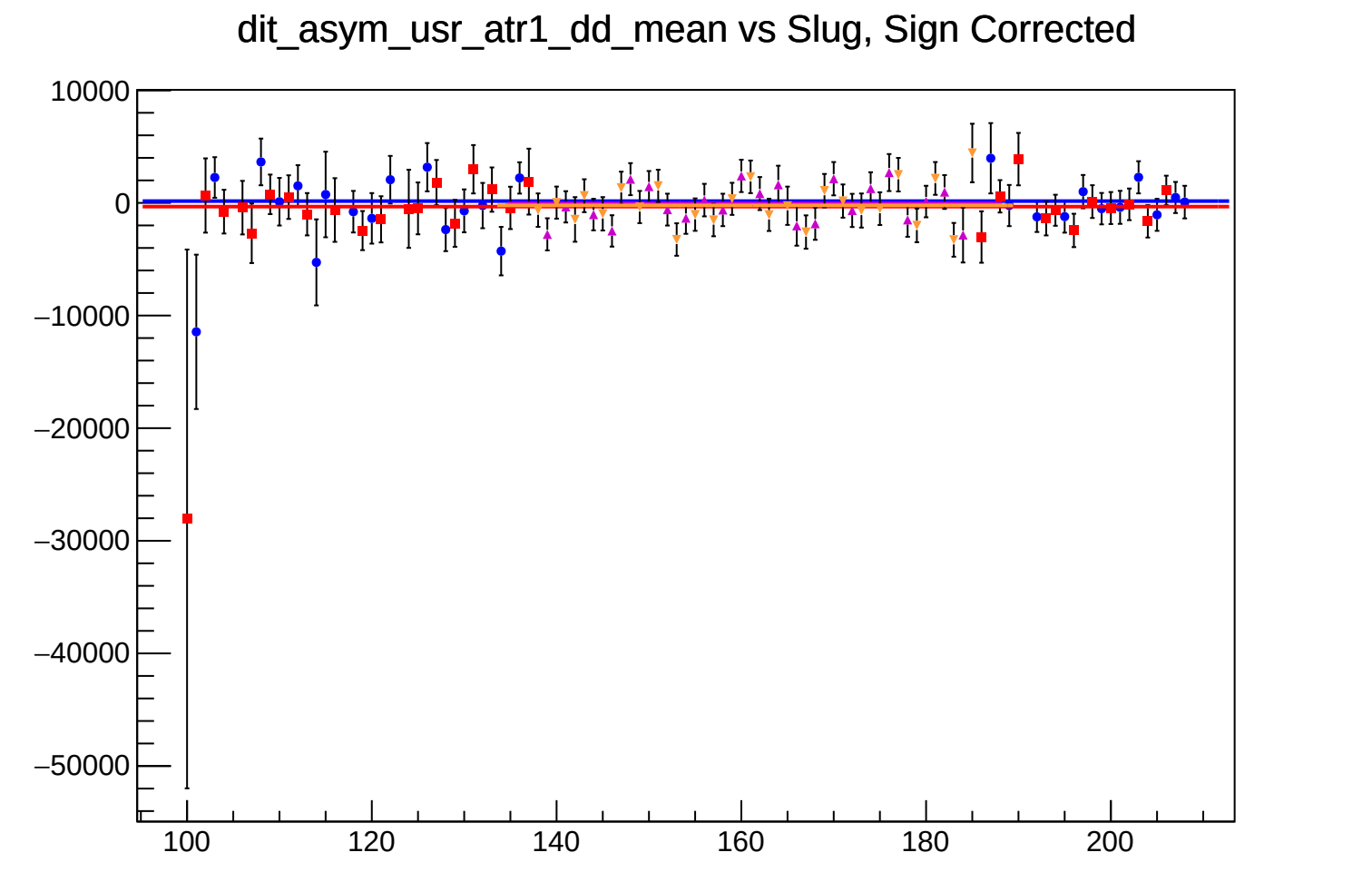
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1007.434+/-0.133 χ^2/NDF: 5414199.3/56

In: 724.527+/-0.092 χ^2/NDF:5939985.5/49

Out: 716.975+/-0.091 χ^2/NDF:7883696.7/54

All: 720.687+/-0.065 χ^2/NDF: 13827079.4/10



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -327.595+/-338.911 χ^2/NDF: 19.9/29

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

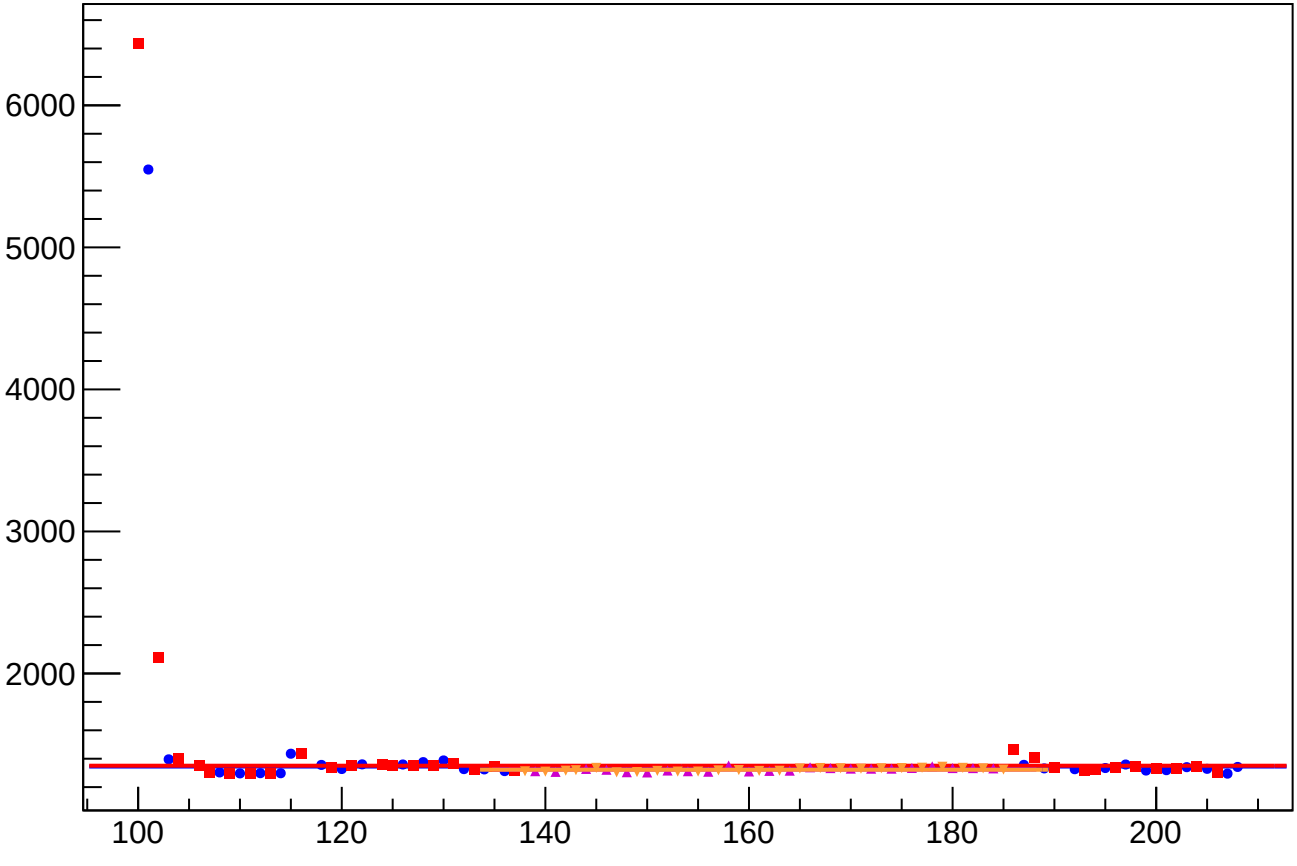
Right: -85.438+/-240.728 χ^2/NDF: 49.7/56

In: 44.759+/-229.269 χ^2/NDF:56.8/49

Out: -264.554+/-224.794 χ^2/NDF:51.2/54

All: -112.946+/-160.512 χ^2/NDF: 109.0/104

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.1/29

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

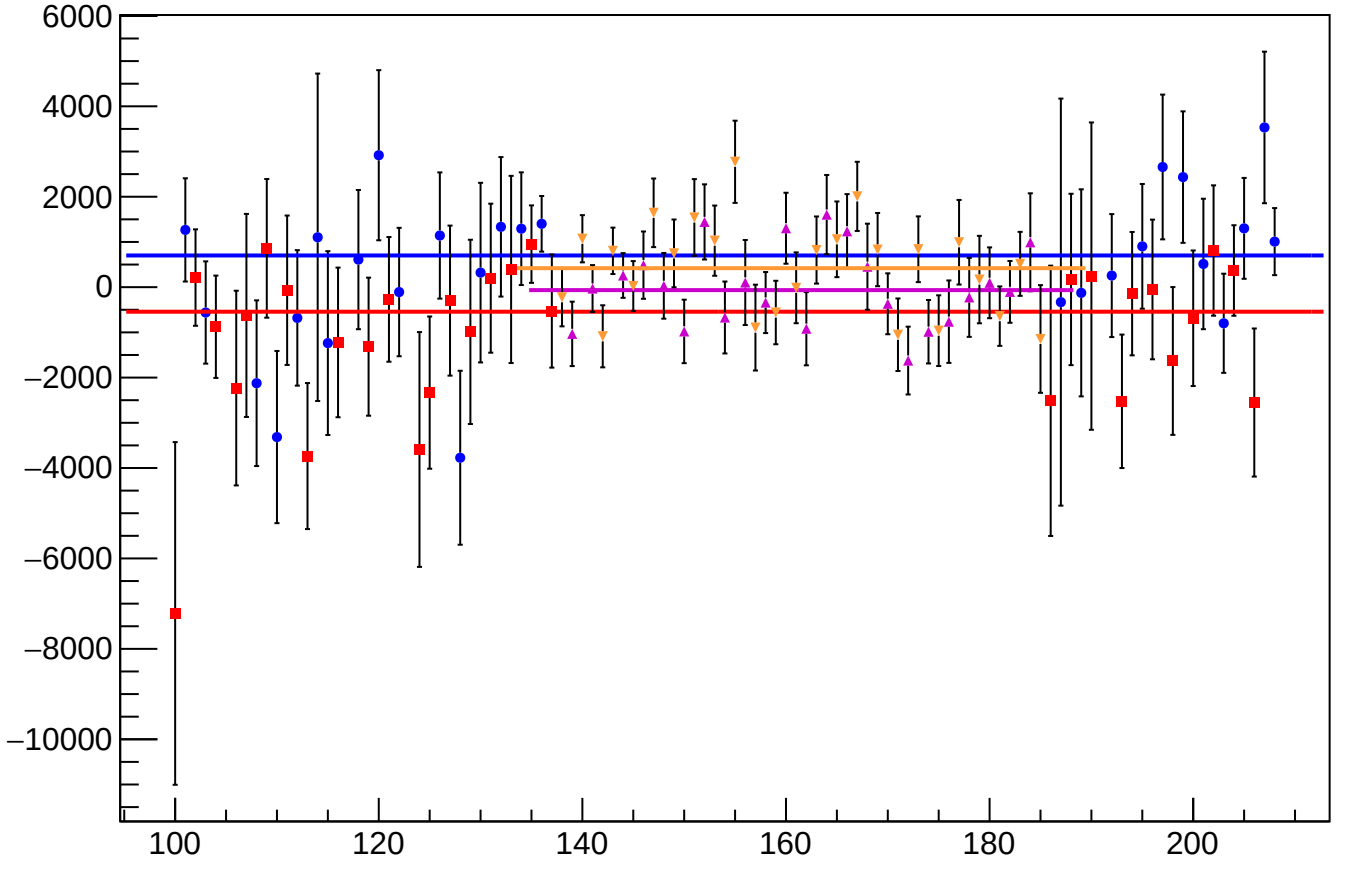
Right: 1347.796+/-0.170 χ^2/NDF: 987278.3/56

In: 1332.996+/-0.162 χ^2/NDF:775347.2/49

Out: 1334.838+/-0.159 χ^2/NDF:230602.3/54

All: 1333.935+/-0.113 χ^2/NDF: 1006015.3/10

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 701.042+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -542.945+/-278.294 χ^2/NDF: 21.9/29

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

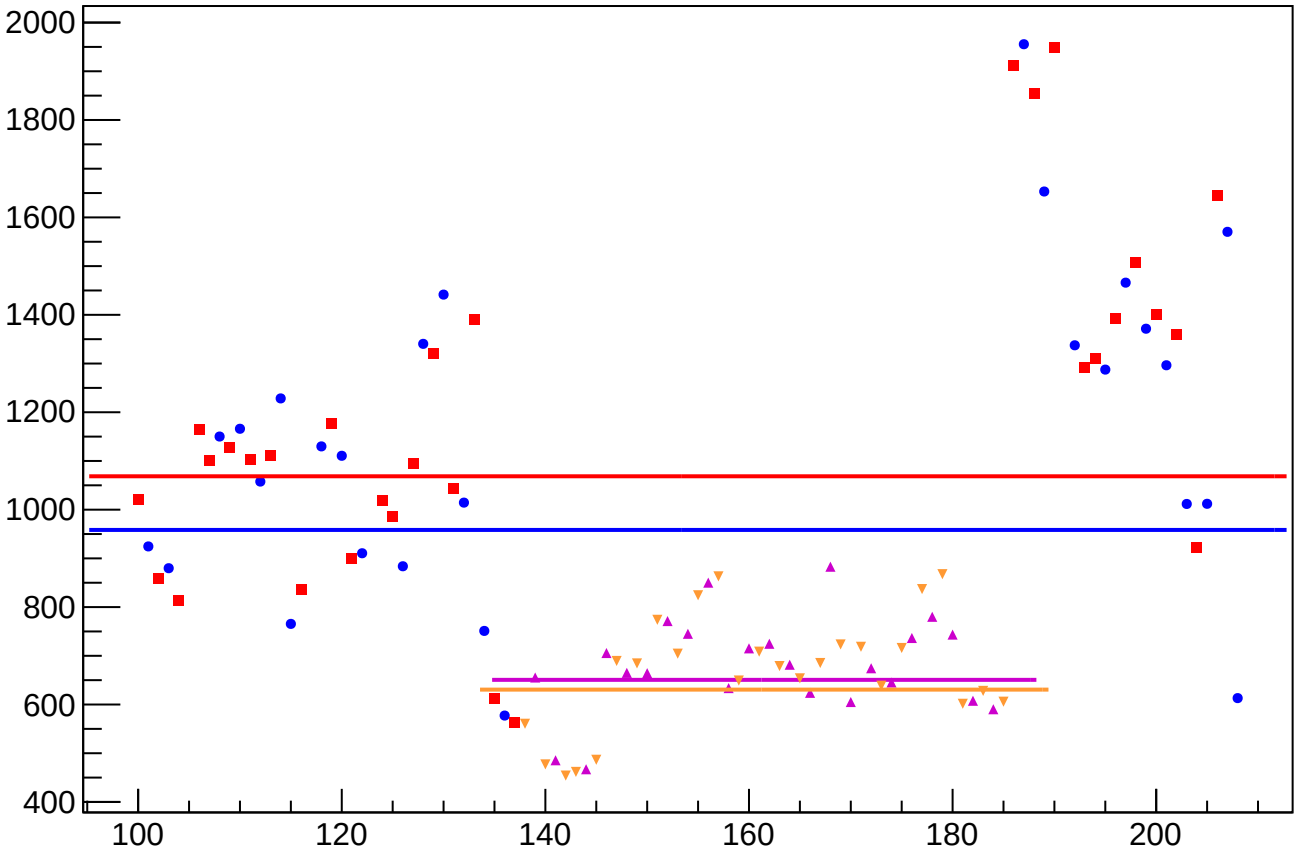
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 131.466+/-188.309 χ^2/NDF: 60.2/56

In: 138.982+/-132.070 χ^2/NDF:61.1/49

Out: 211.116+/-129.590 χ^2/NDF:72.8/54

All: 175.733+/-92.498 χ^2/NDF: 134.1/104



Right In: 958.403+/-0.181 χ^2/NDF: 2896868.2/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1068.544+/-0.197 χ^2/NDF: 2698894.4/29

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

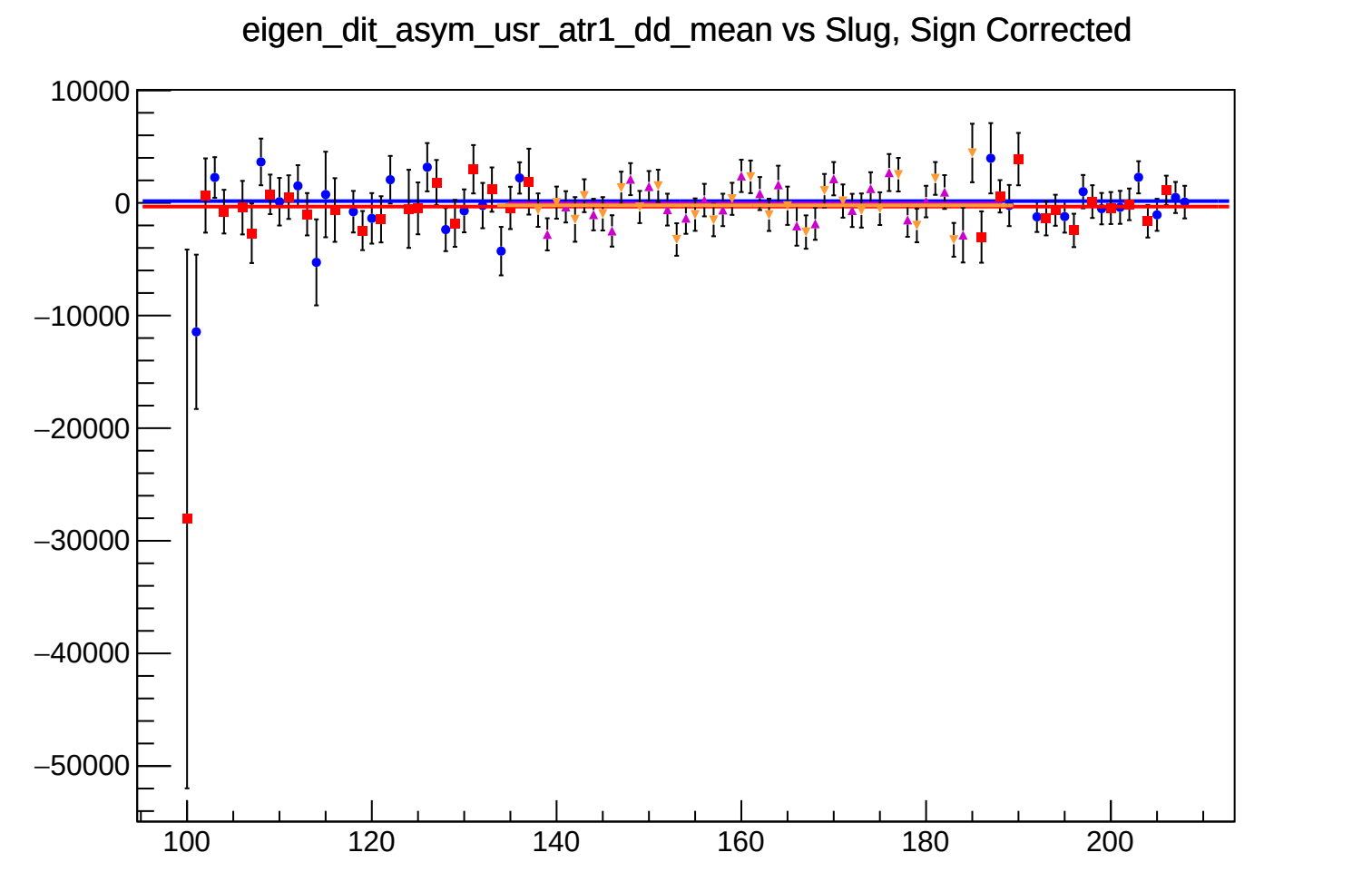
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1008.833+/-0.133 χ^2/NDF: 5765598.2/56

In: 732.708+/-0.093 χ^2/NDF:5942868.3/49

Out: 725.557+/-0.092 χ^2/NDF:7906549.7/54

All: 729.065+/-0.065 χ^2/NDF: 13852405.7/10



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -327.595+/-338.911 χ^2/NDF: 19.9/29

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

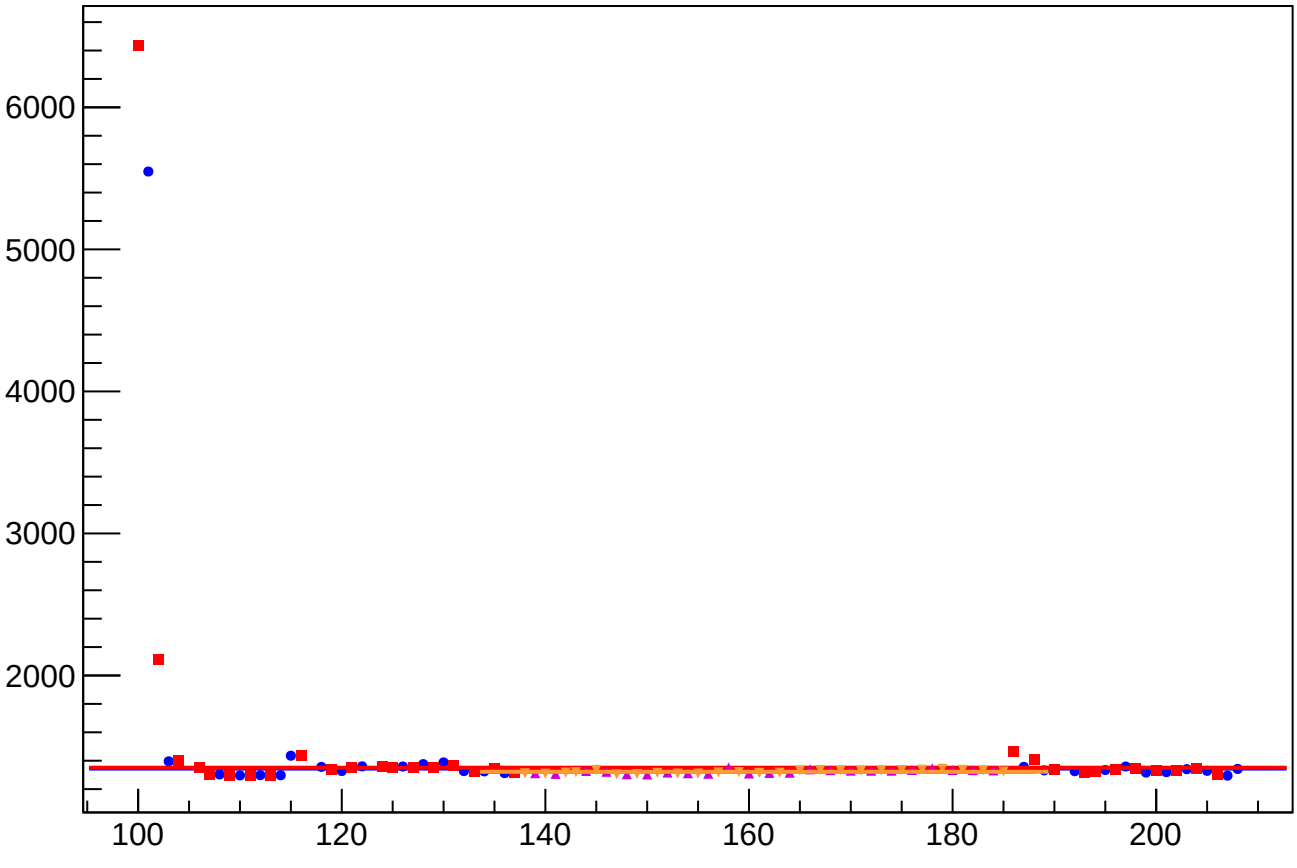
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -85.438+/-240.728 χ^2/NDF: 49.7/56

In: 44.759+/-229.269 χ^2/NDF:56.8/49

Out: -264.555+/-224.794 χ^2/NDF:51.2/54

All: -112.946+/-160.512 χ^2/NDF: 109.0/104



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.0/29

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

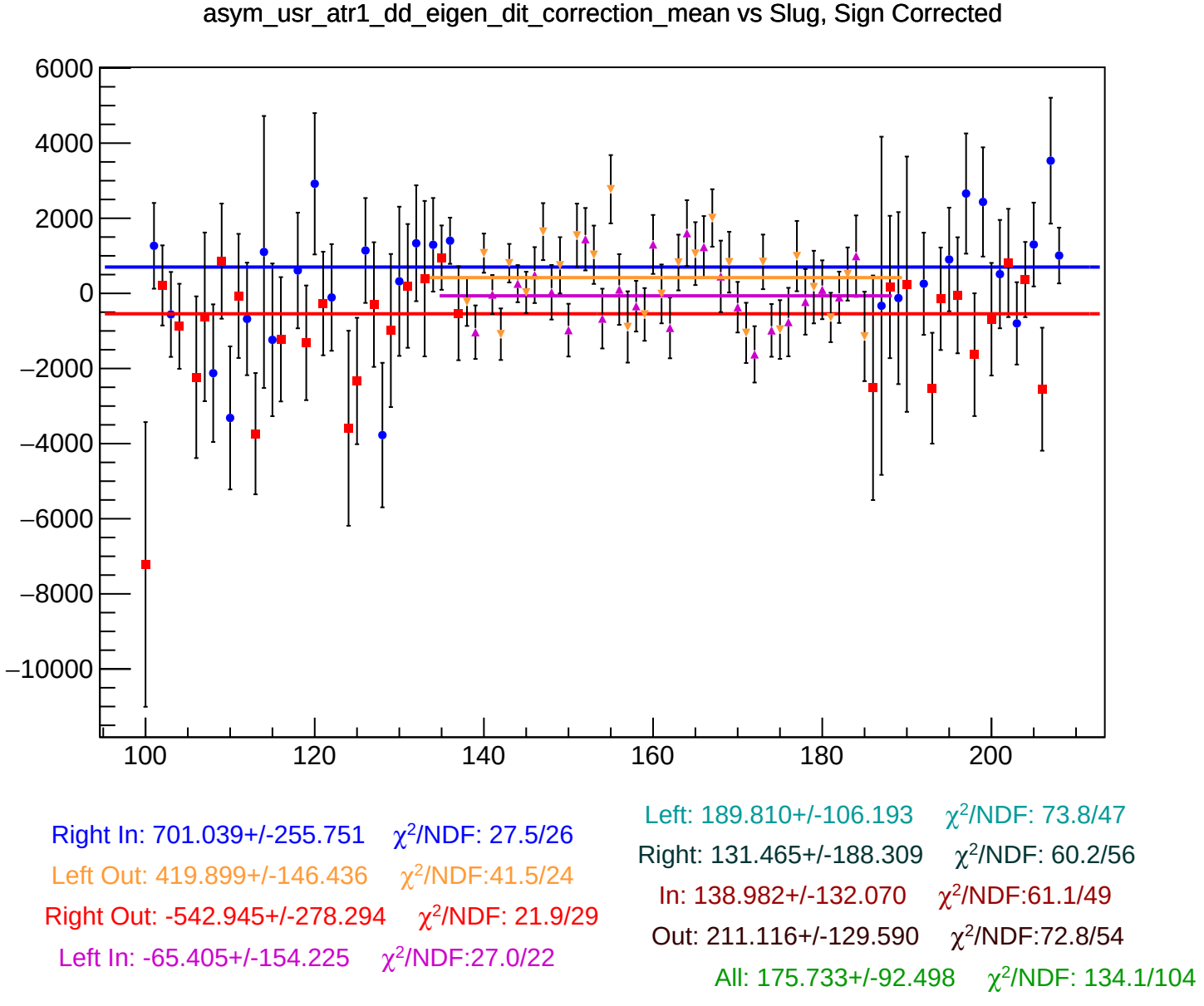
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

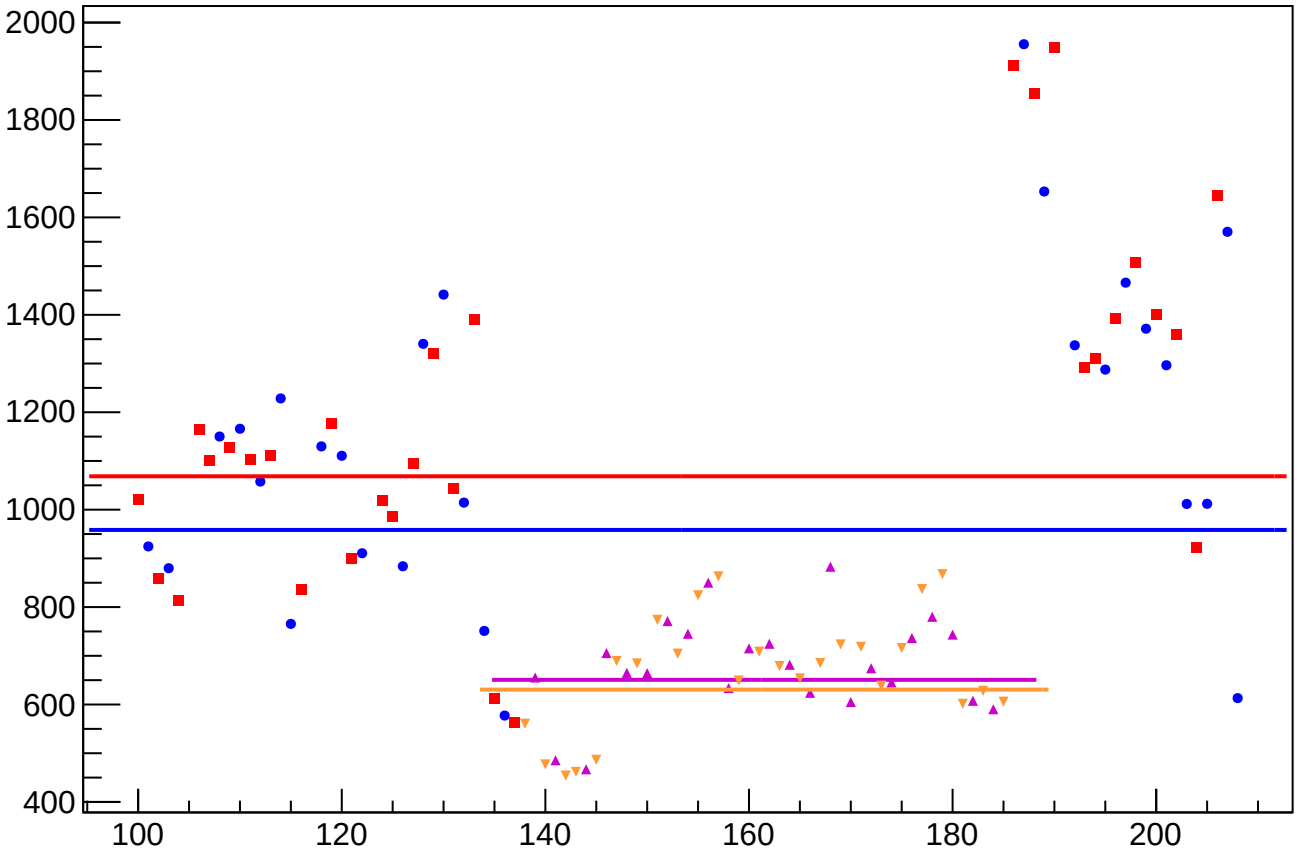
Right: 1347.796+/-0.170 χ^2/NDF: 987278.1/56

In: 1332.996+/-0.162 χ^2/NDF:775347.2/49

Out: 1334.838+/-0.159 χ^2/NDF:230602.2/54

All: 1333.935+/-0.113 χ^2/NDF: 1006015.1/10


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: 701.039+/-255.751 χ²/NDF: 27.5/26
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -542.945+/-278.294 χ²/NDF: 21.9/29
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: 131.465+/-188.309 χ²/NDF: 60.2/56
In: 138.982+/-132.070 χ²/NDF:61.1/49
Out: 211.116+/-129.590 χ²/NDF:72.8/54
All: 175.733+/-92.498 χ²/NDF: 134.1/104



Right In: 958.401+/-0.181 χ^2/NDF: 2896890.5/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1068.543+/-0.197 χ^2/NDF: 2698902.8/29

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

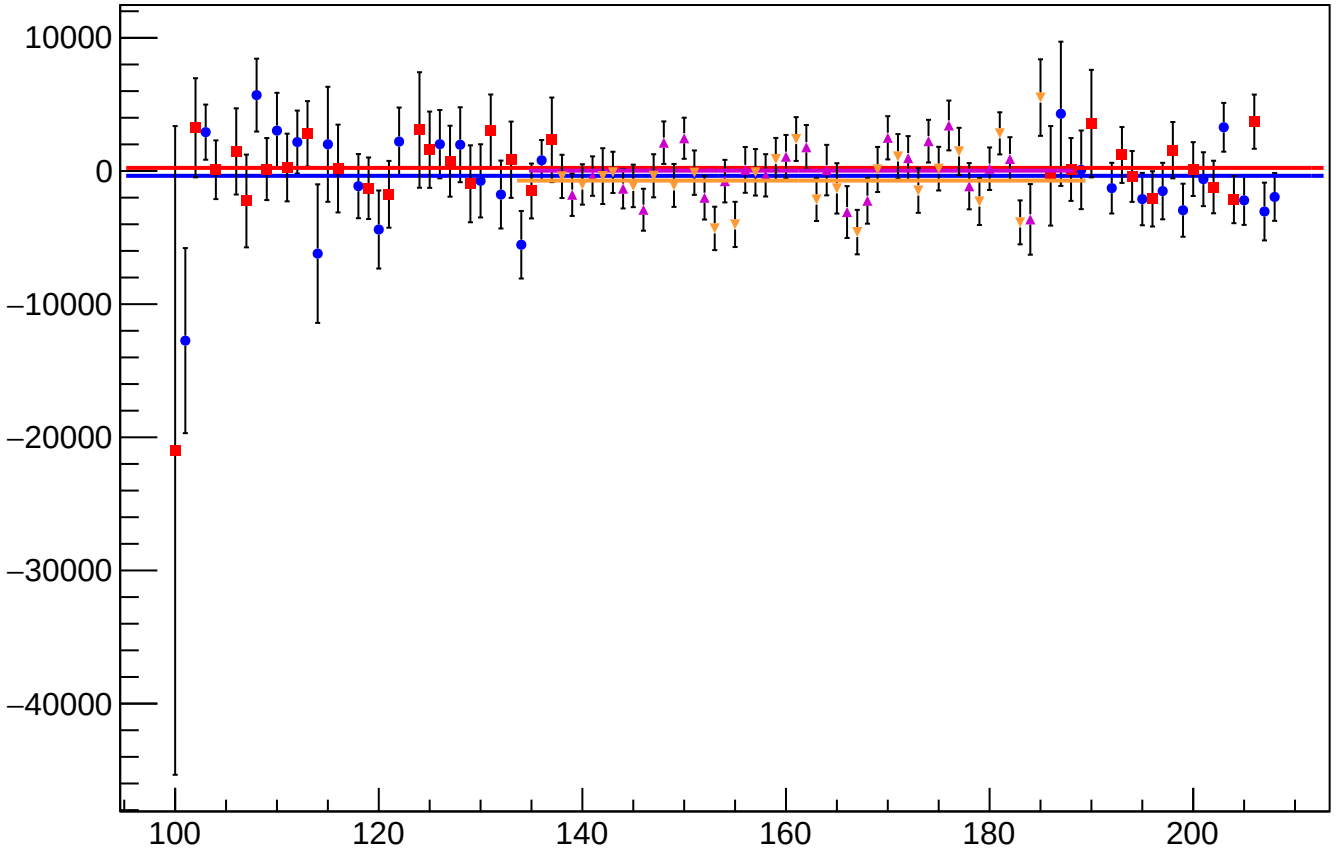
Right: 1008.831+/-0.133 χ^2/NDF: 5765631.6/56

In: 732.709+/-0.093 χ^2/NDF:5942860.1/49

Out: 725.558+/-0.092 χ^2/NDF:7906549.4/54

All: 729.066+/-0.065 χ^2/NDF: 13852397.2/10

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -361.592+/-452.312 χ^2/NDF: 35.4/26

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 233.821+/-458.530 χ^2/NDF: 15.3/29

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

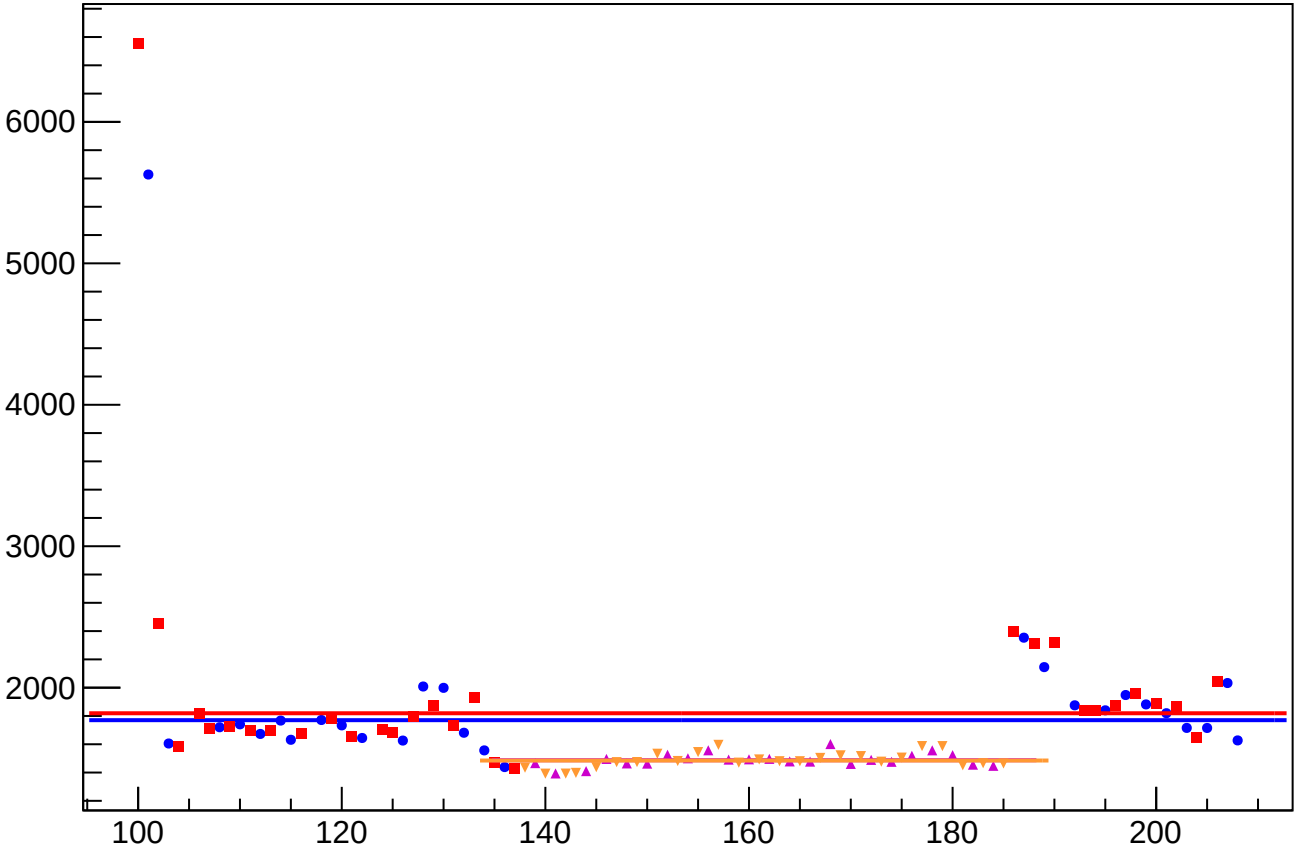
Right: -67.950+/-322.009 χ^2/NDF: 51.5/56

In: -116.865+/-275.522 χ^2/NDF:63.8/49

Out: -383.626+/-271.850 χ^2/NDF:55.8/54

All: -252.034+/-193.512 χ^2/NDF: 120.1/104

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1770.257+/-0.320 χ^2/NDF: 917069.2/26

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1819.154+/-0.324 χ^2/NDF: 505156.5/29

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

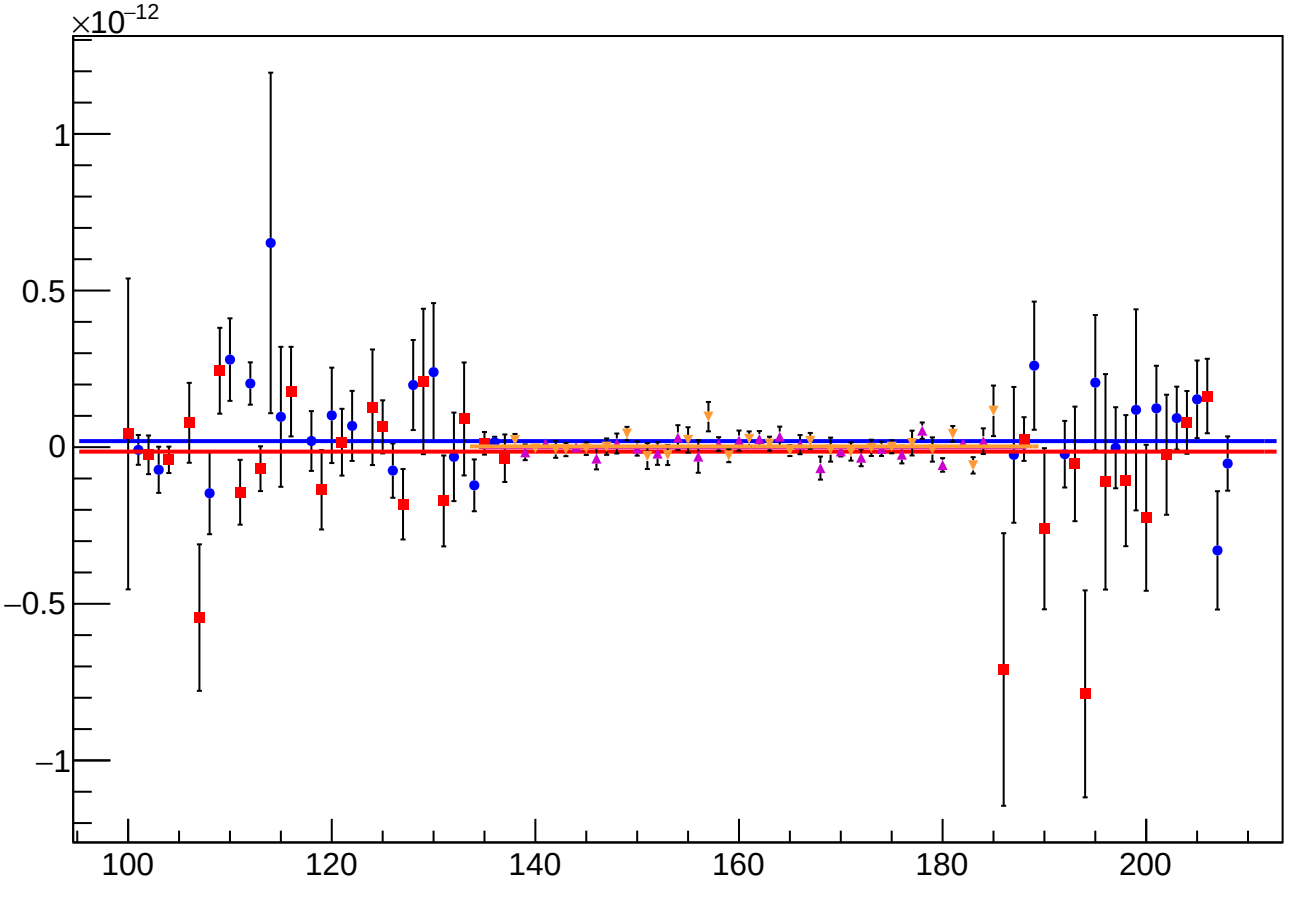
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1794.372+/-0.228 χ^2/NDF: 1433752.6/56

In: 1592.174+/-0.195 χ^2/NDF:1444817.3/49

Out: 1602.429+/-0.192 χ^2/NDF:1245036.6/54

All: 1597.370+/-0.137 χ^2/NDF: 2691257.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/29

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

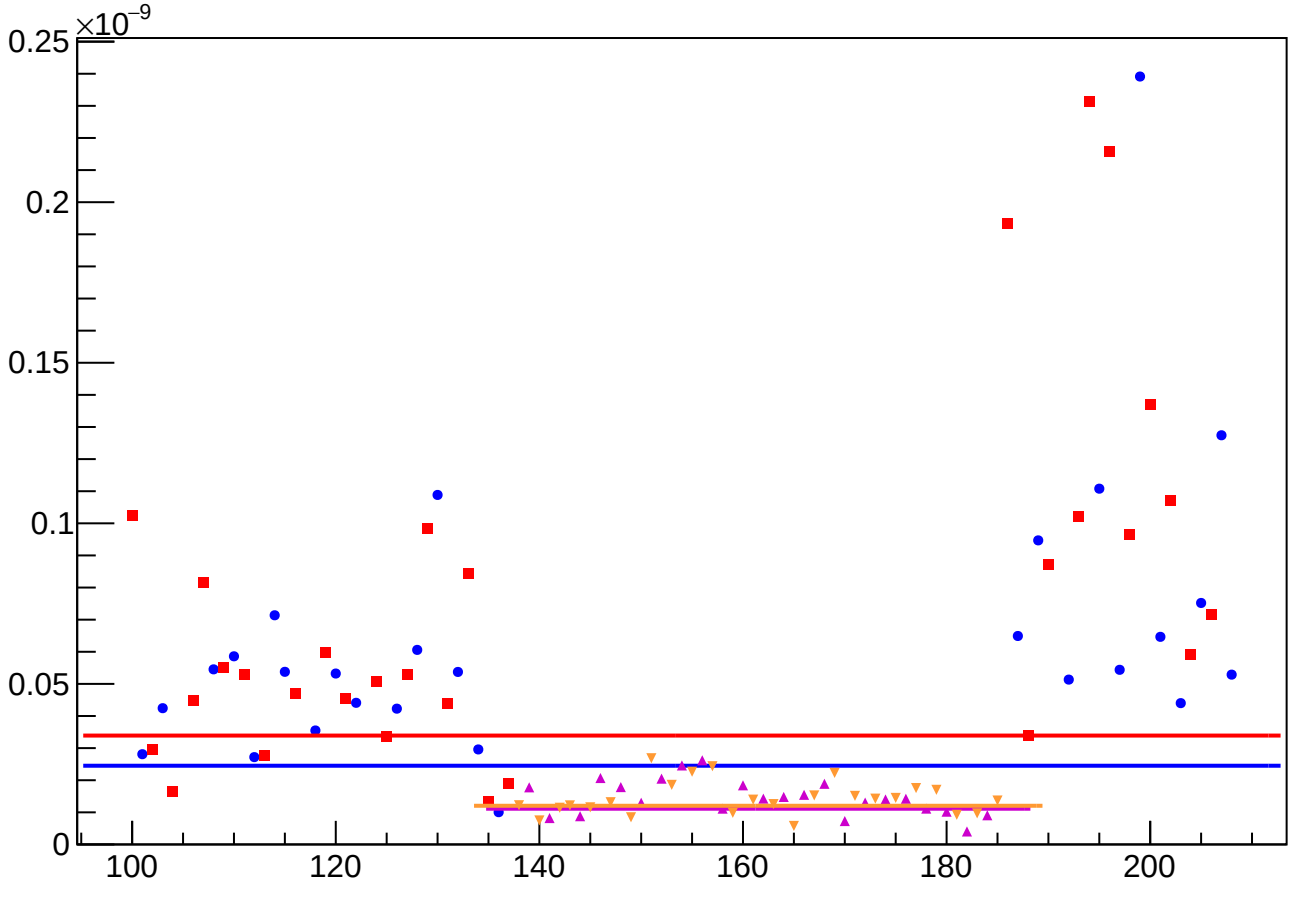
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.6/56

In: 0.000+/-0.000 χ^2/NDF:59.2/49

Out: 0.000+/-0.000 χ^2/NDF:61.1/54

All: 0.000+/-0.000 χ^2/NDF: 120.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 5670904.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4973492.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

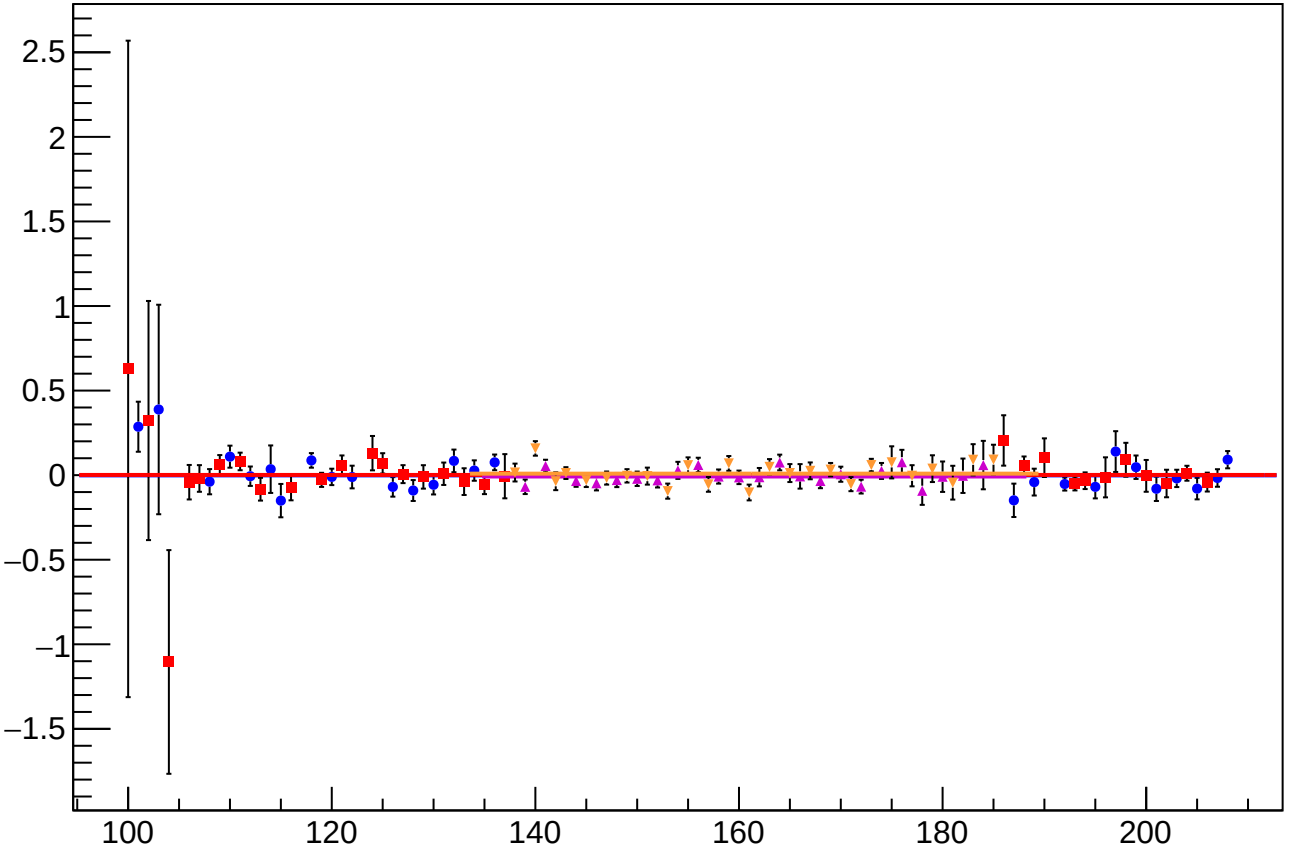
Right: 0.000+/-0.000 χ^2/NDF: 11003696.9/56

In: 0.000+/-0.000 χ^2/NDF:9611018.9/49

Out: 0.000+/-0.000 χ^2/NDF:9370429.2/54

All: 0.000+/-0.000 χ^2/NDF: 19029313.4/104

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

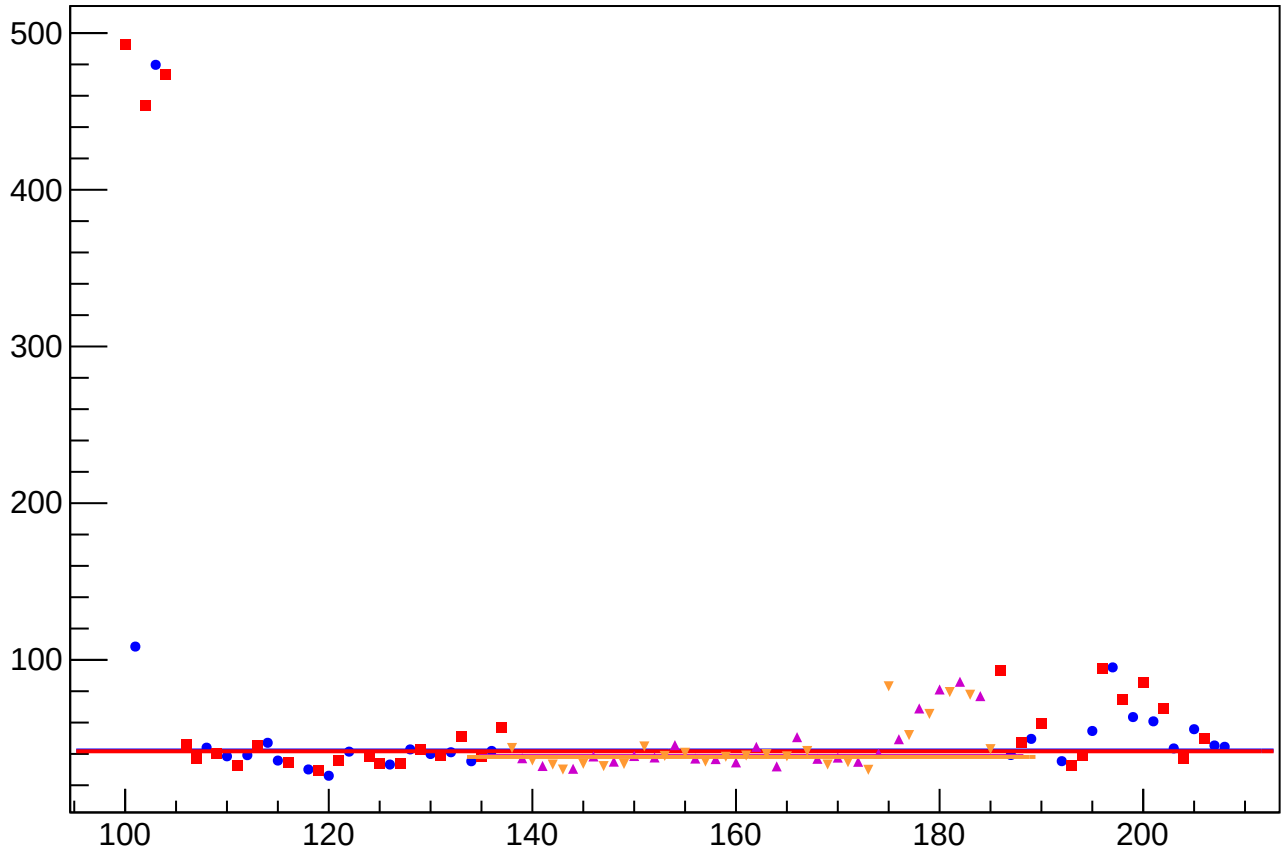
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.000+/-0.009 χ^2/NDF: 59.2/56

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: 0.000+/-0.005 χ^2/NDF: 118.1/104



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

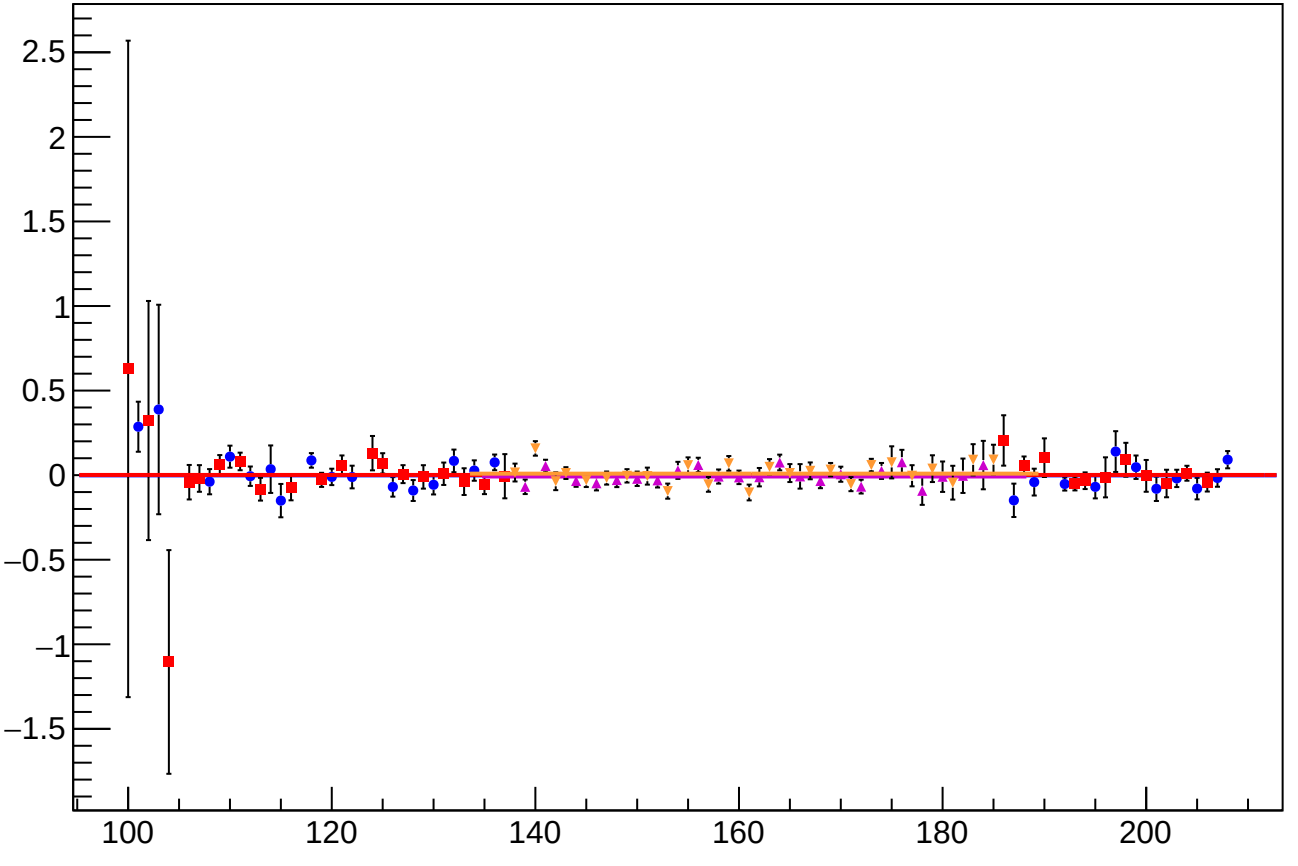
Right: 41.931+/-0.006 χ^2/NDF: 6684092.9/56

In: 40.067+/-0.005 χ^2/NDF:4674517.2/49

Out: 39.438+/-0.005 χ^2/NDF:5914392.2/54

All: 39.748+/-0.004 χ^2/NDF: 10595774.5/104

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

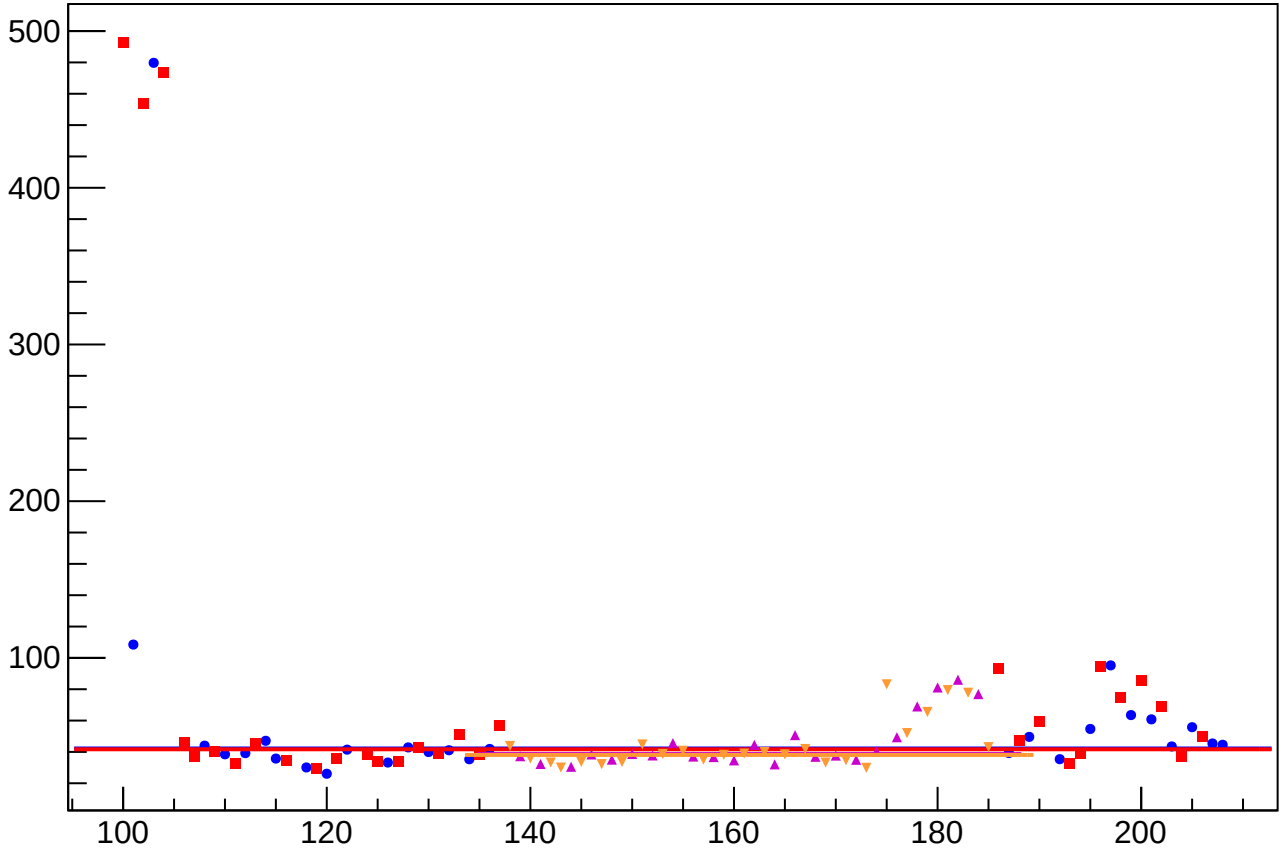
Right: -0.000+/-0.009 χ^2/NDF: 59.2/56

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: 0.000+/-0.005 χ^2/NDF: 118.1/104

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

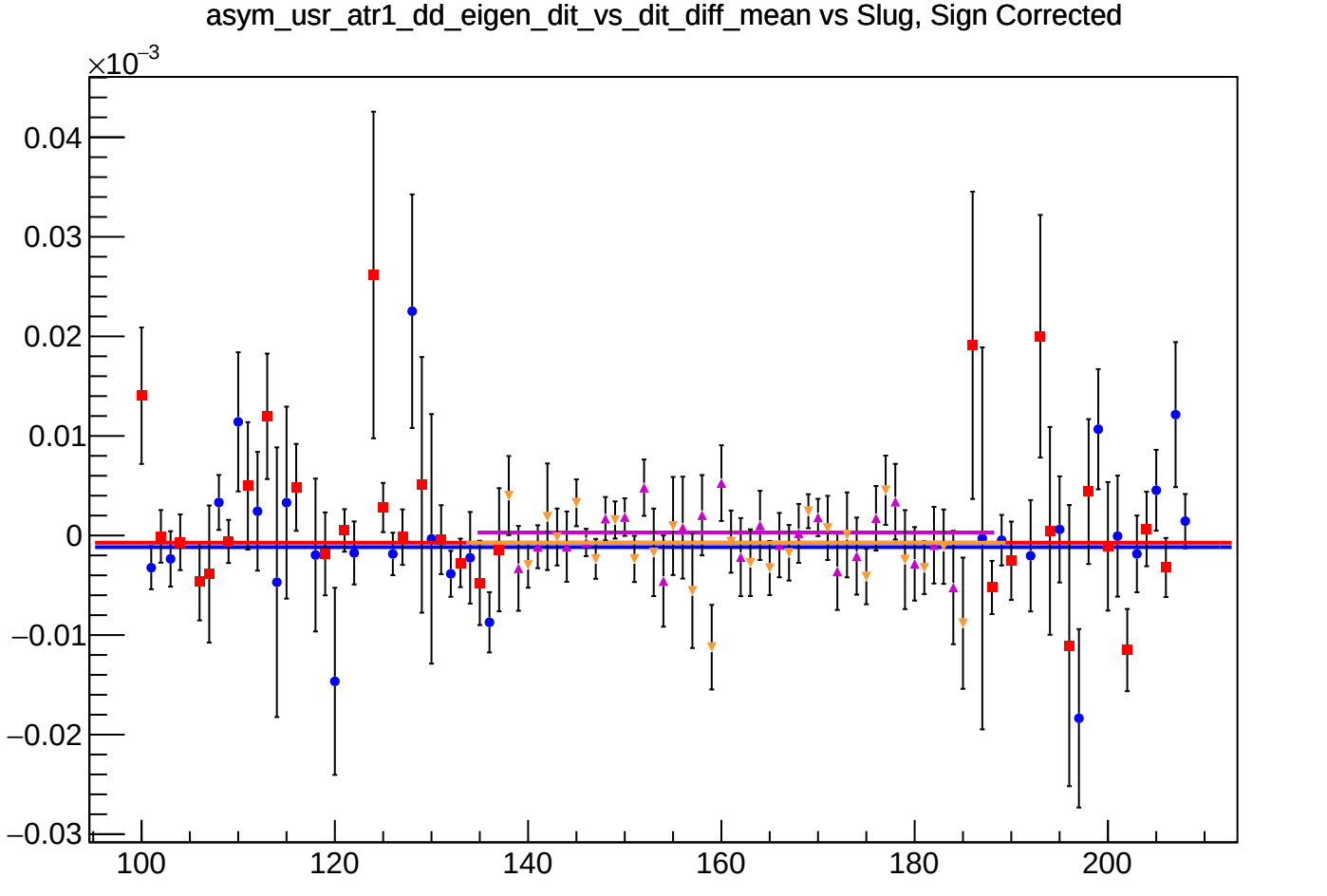
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.931+/-0.006 χ^2/NDF: 6684092.9/56

In: 40.067+/-0.005 χ^2/NDF:4674517.2/49

Out: 39.438+/-0.005 χ^2/NDF:5914392.2/54

All: 39.748+/-0.004 χ^2/NDF: 10595774.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

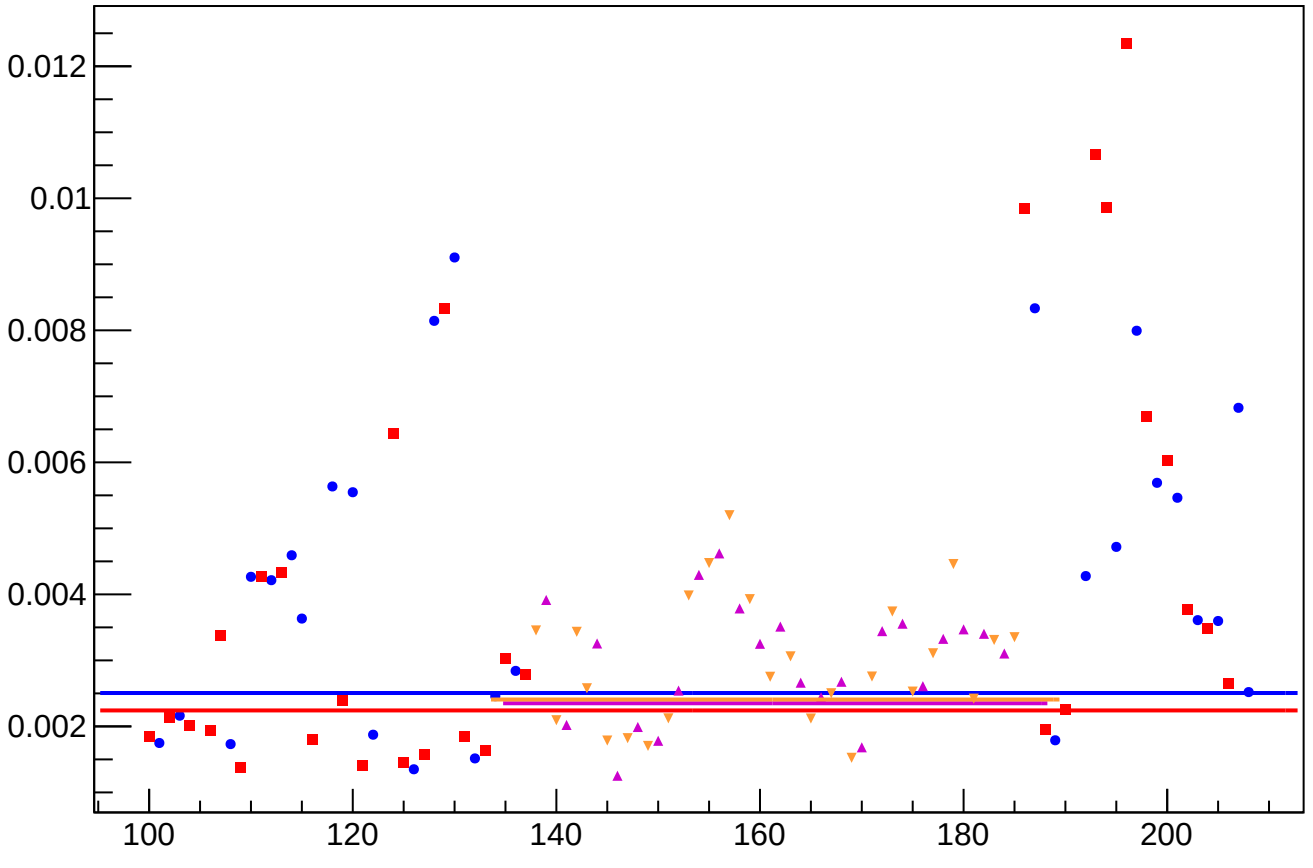
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 71.5/56

In: -0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:62.3/54

All: -0.000+/-0.000 χ^2/NDF: 114.6/104



Right In: 0.003+/-0.000 χ^2/NDF: 7098561.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7819649.1/29

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

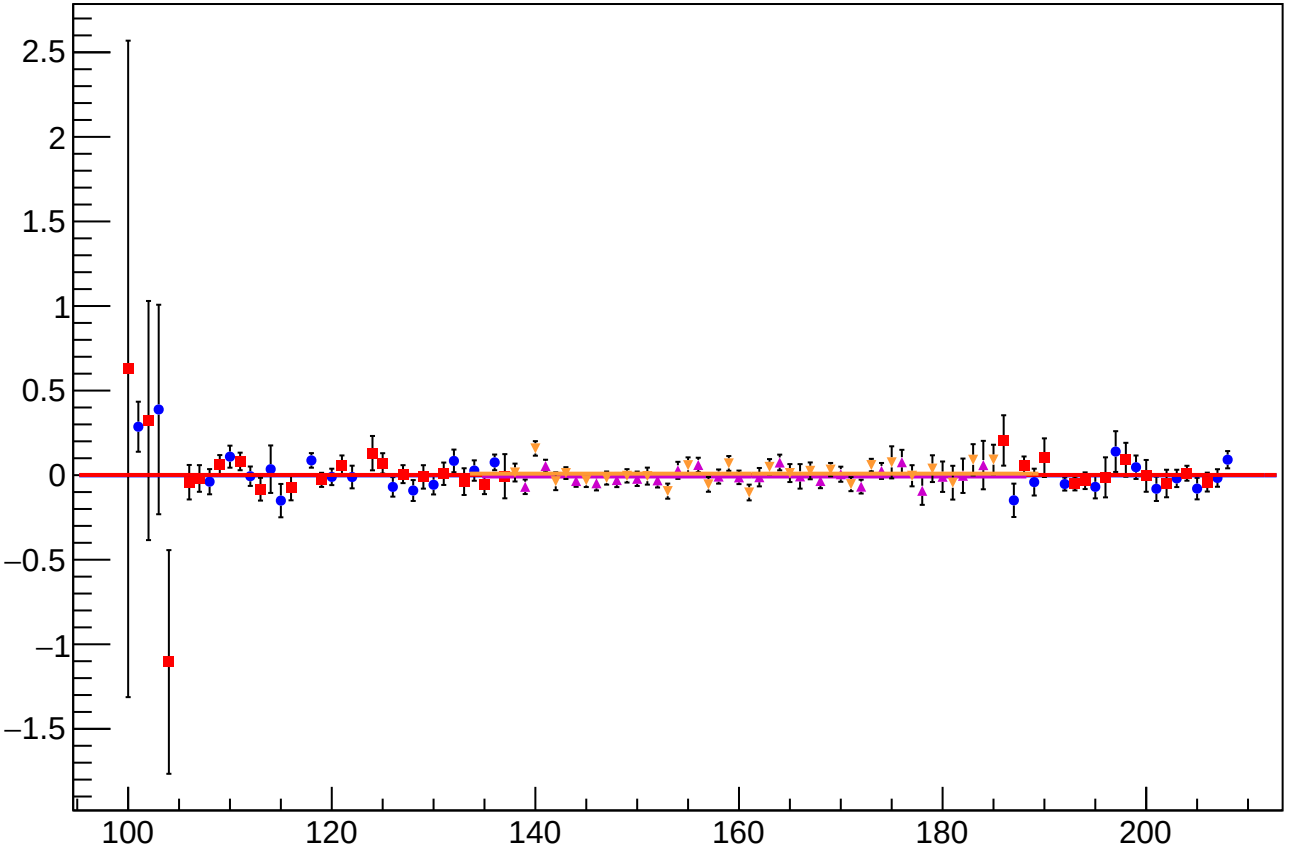
Right: 0.002+/-0.000 χ^2/NDF: 15054804.8/56

In: 0.002+/-0.000 χ^2/NDF:11590178.5/49

Out: 0.002+/-0.000 χ^2/NDF:11569998.5/54

All: 0.002+/-0.000 χ^2/NDF: 23186337.7/104

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

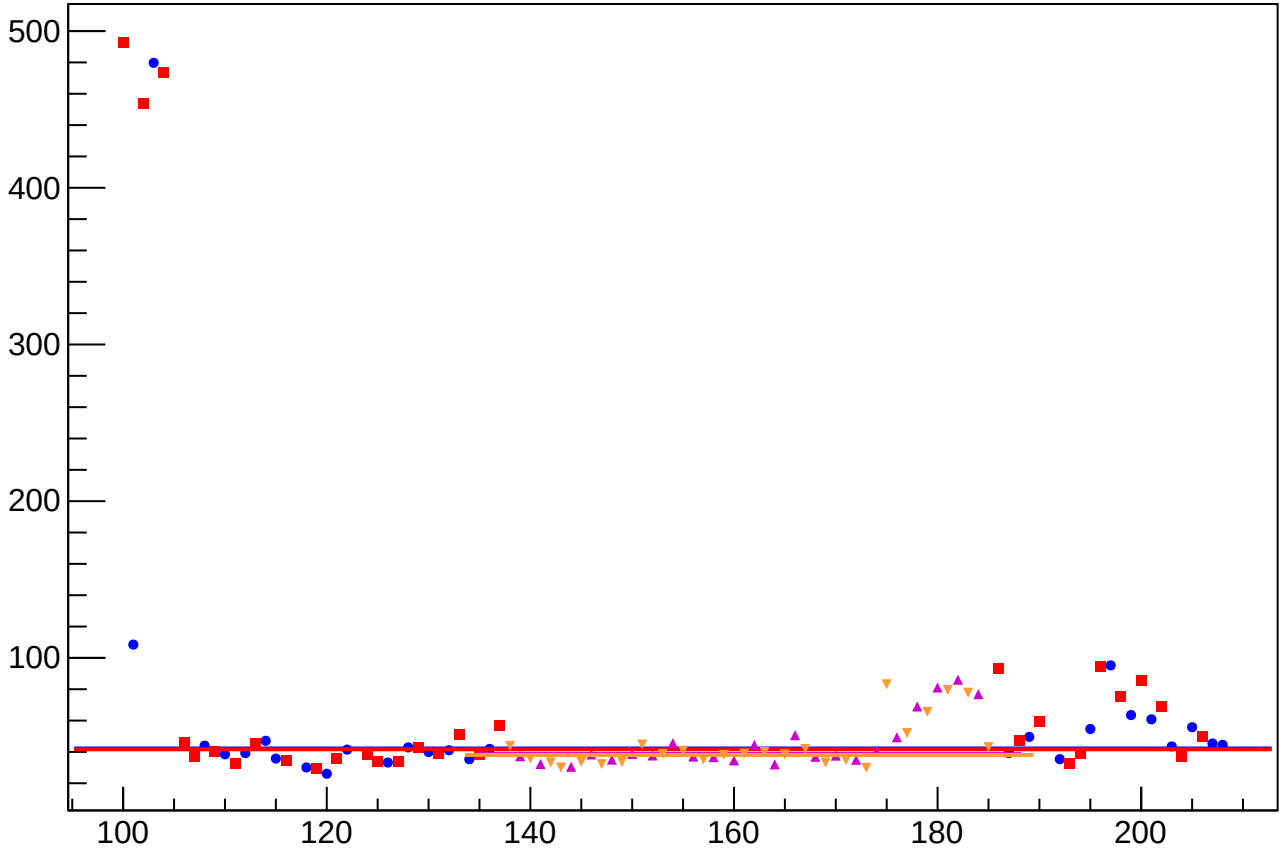
Right: -0.000+/-0.009 χ^2/NDF: 59.2/56

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: 0.000+/-0.005 χ^2/NDF: 118.1/104

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

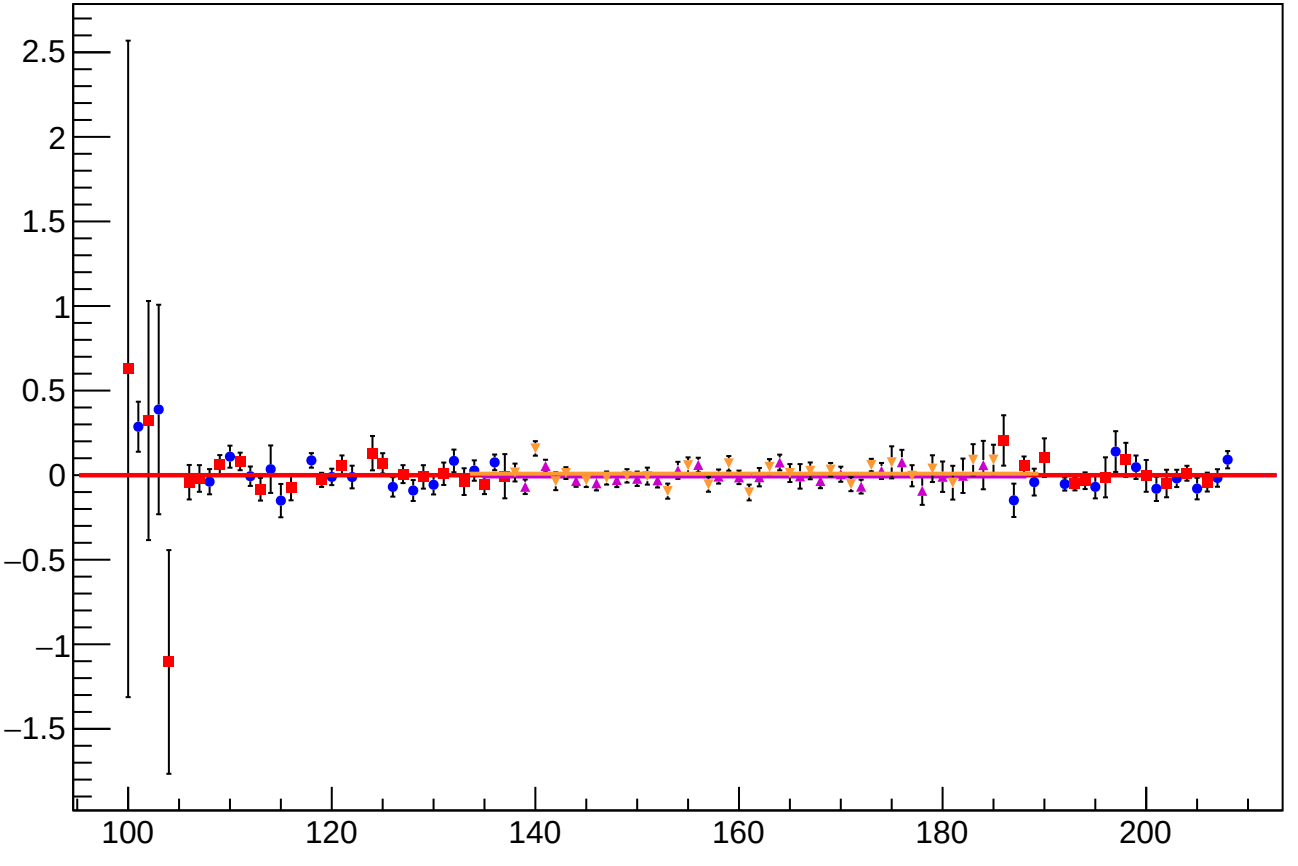
Right: 41.929+/-0.006 χ^2/NDF: 6684815.3/56

In: 40.067+/-0.005 χ^2/NDF:4674730.8/49

Out: 39.437+/-0.005 χ^2/NDF:5914733.6/54

All: 39.747+/-0.004 χ^2/NDF: 10596346.7/104

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

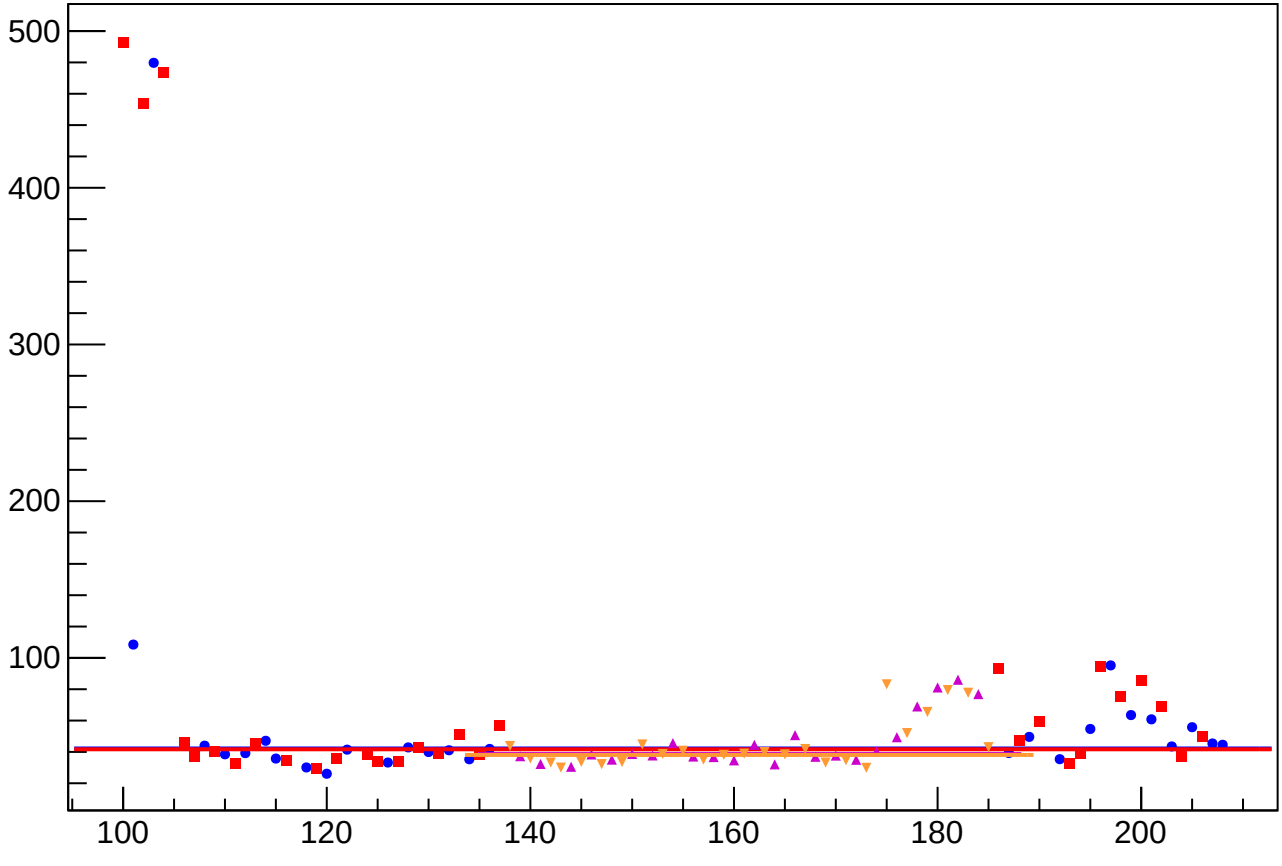
Right: -0.000+/-0.009 χ^2/NDF: 59.2/56

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: 0.000+/-0.005 χ^2/NDF: 118.1/104

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

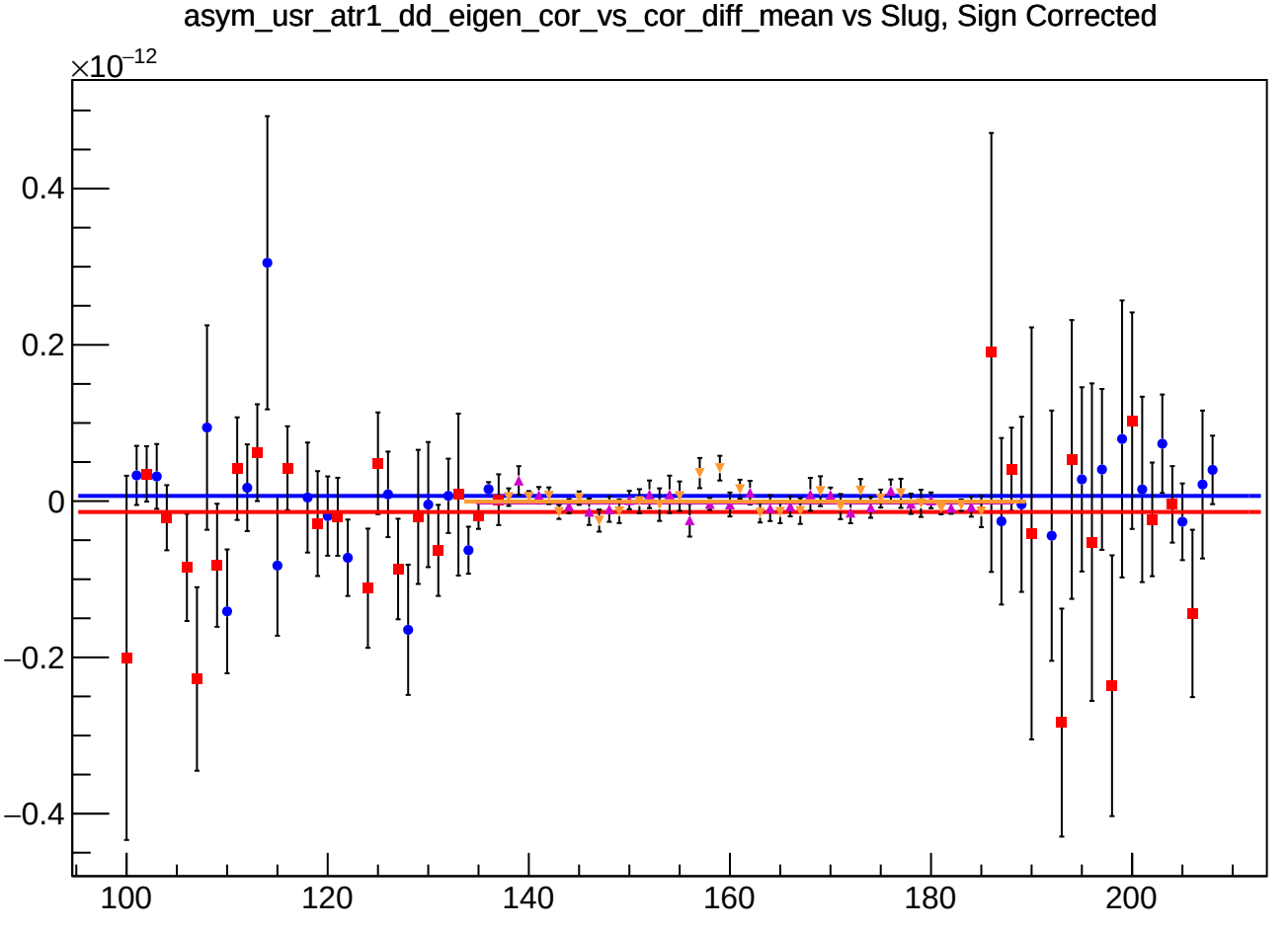
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

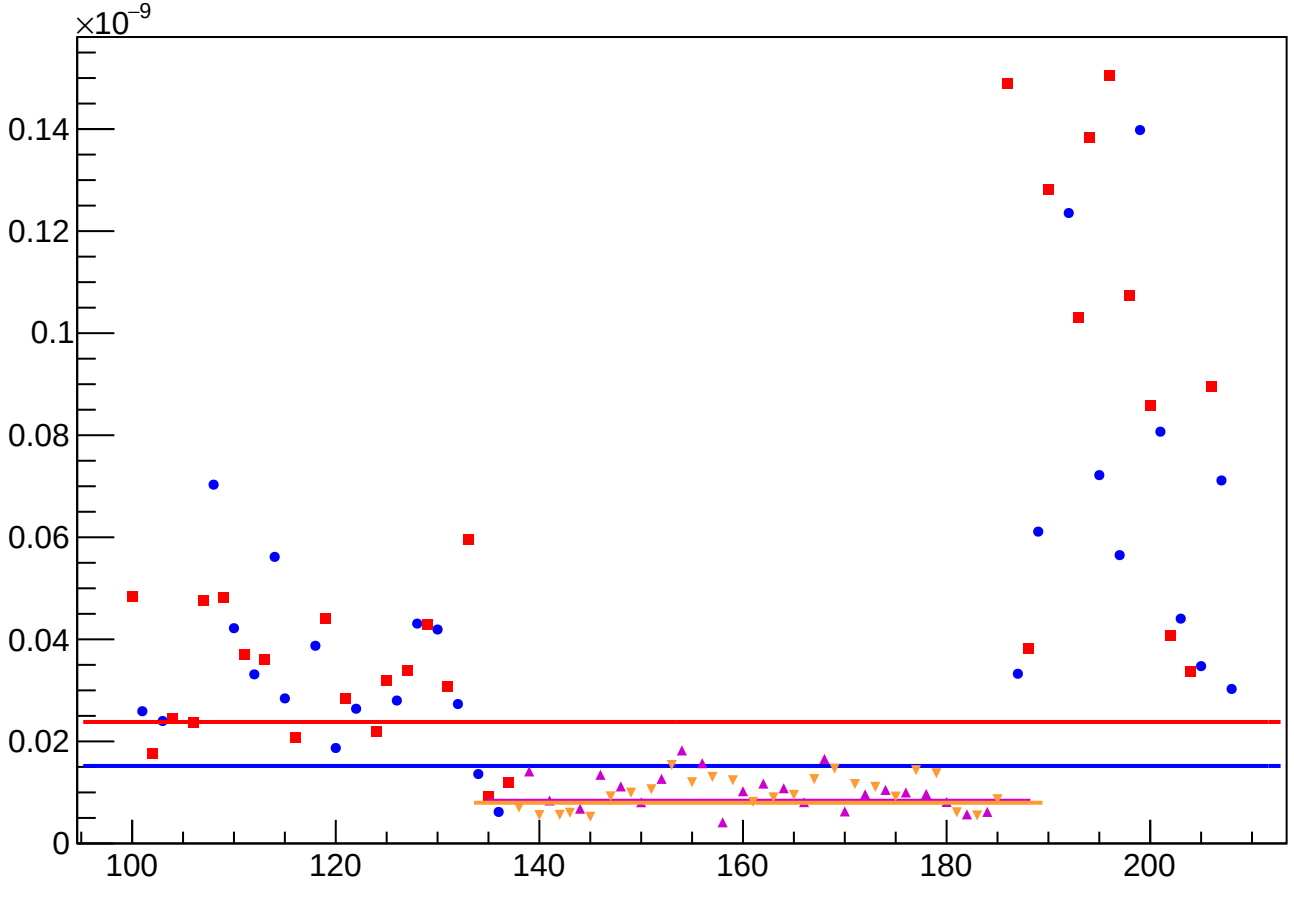
Right: 41.929+/-0.006 χ^2/NDF: 6684815.3/56

In: 40.067+/-0.005 χ^2/NDF:4674730.8/49

Out: 39.437+/-0.005 χ^2/NDF:5914733.6/54

All: 39.747+/-0.004 χ^2/NDF: 10596346.7/104


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.4/26
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.2/29
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: 52.4/56
In: -0.000+/-0.000 χ²/NDF:37.2/49
Out: -0.000+/-0.000 χ²/NDF:53.8/54
All: -0.000+/-0.000 χ²/NDF: 91.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 9591763.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7829472.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

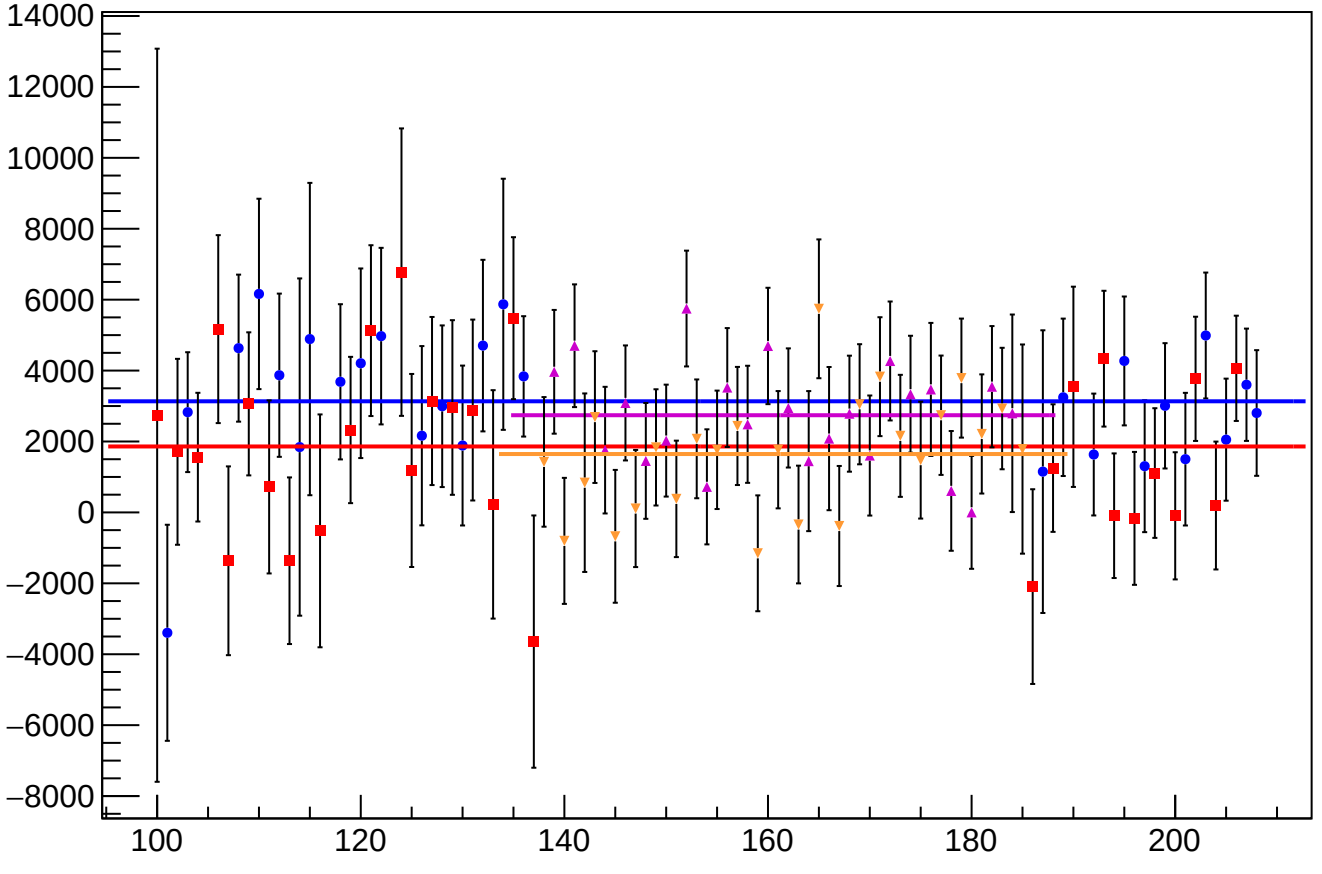
Right: 0.000+/-0.000 χ^2/NDF: 18414368.3/56

In: 0.000+/-0.000 χ^2/NDF:13963615.5/49

Out: 0.000+/-0.000 χ^2/NDF:15499159.5/54

All: 0.000+/-0.000 χ^2/NDF: 29476598.0/104

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3133.724+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1859.708+/-406.836 χ^2/NDF: 27.5/29

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

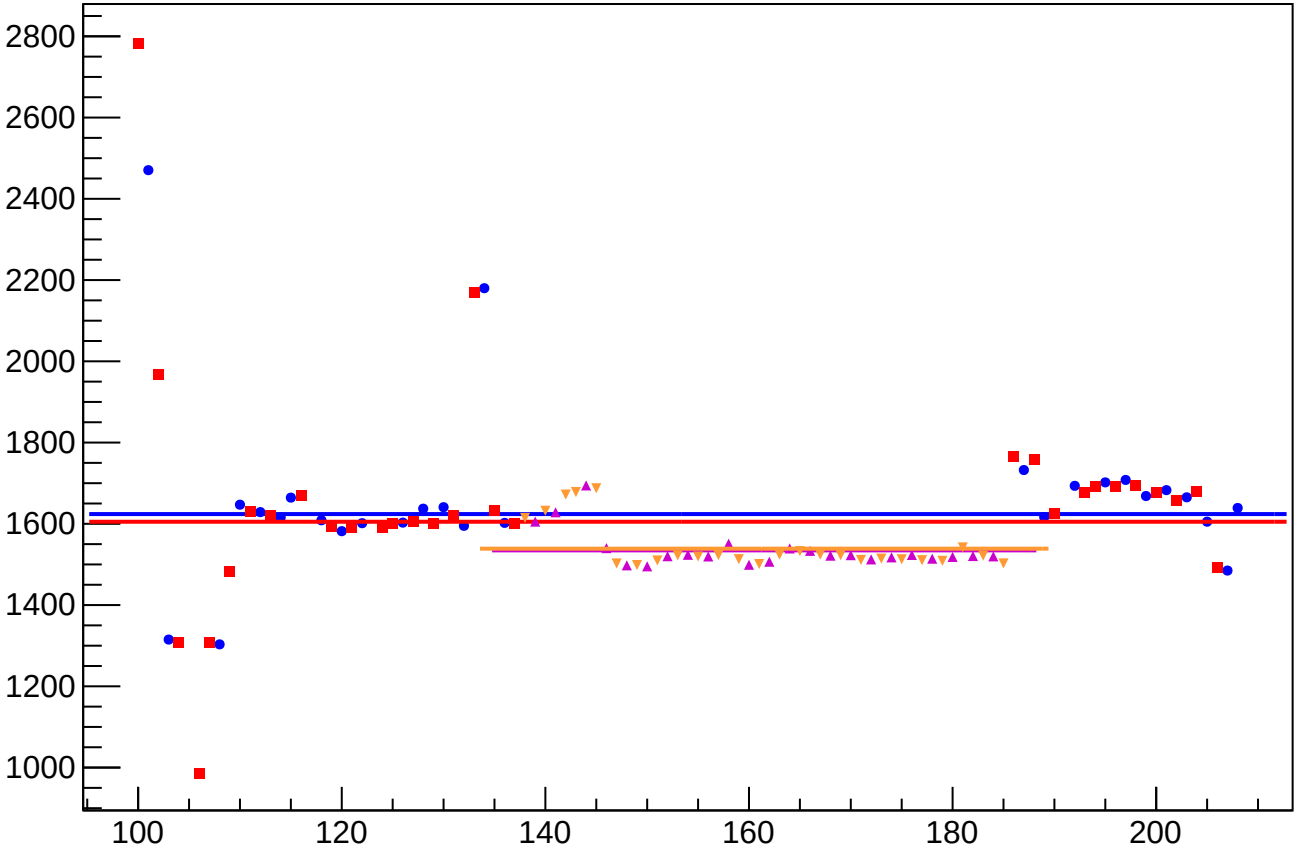
Right: 2491.375+/-288.880 χ^2/NDF: 46.3/56

In: 2910.974+/-269.937 χ^2/NDF:30.9/49

Out: 1737.054+/-265.220 χ^2/NDF:48.7/54

All: 2313.669+/-189.185 χ^2/NDF: 89.2/104

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1623.987+/-0.290 χ^2/NDF: 353033.7/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1605.085+/-0.285 χ^2/NDF: 455751.5/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

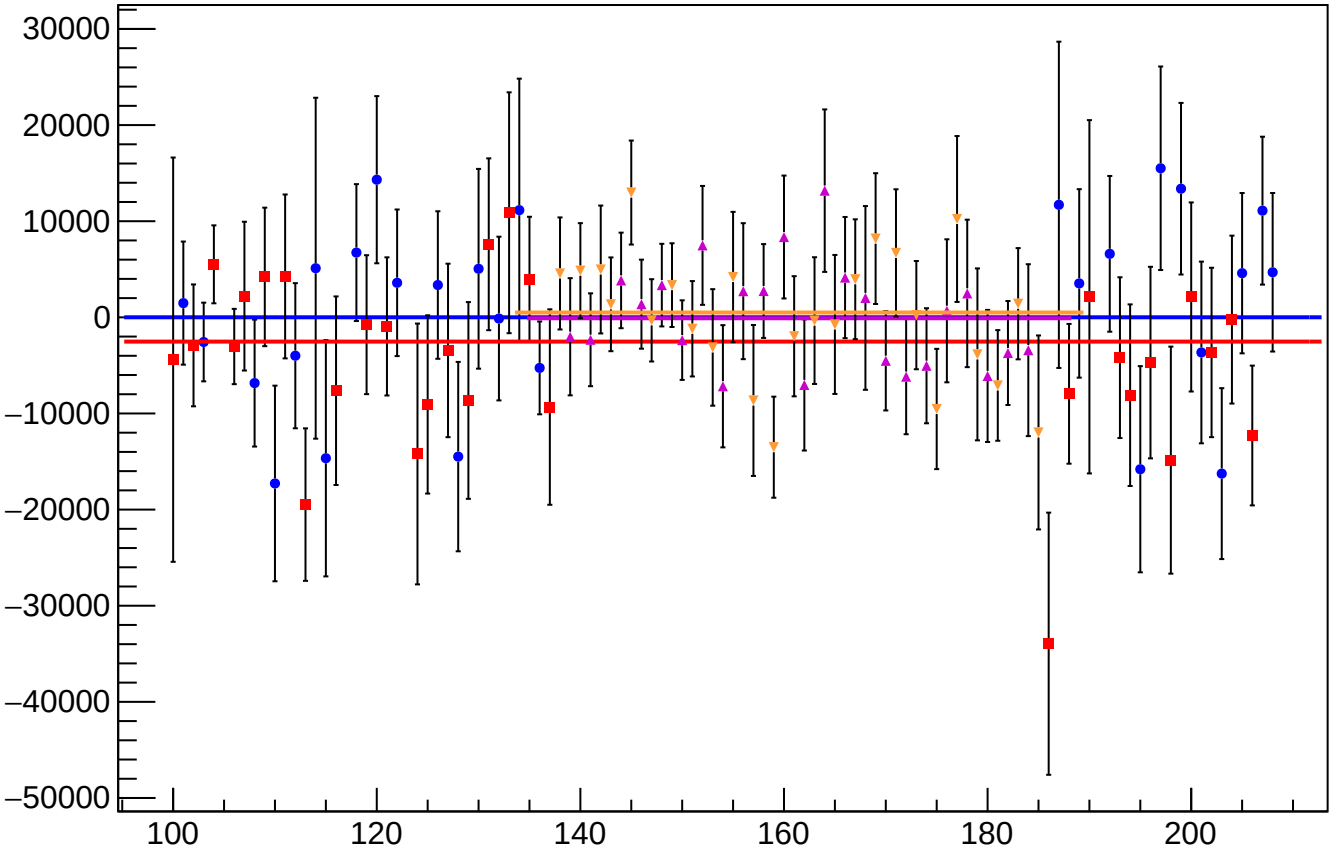
Right: 1614.380+/-0.203 χ^2/NDF: 810942.9/56

In: 1573.305+/-0.191 χ^2/NDF:437976.4/49

Out: 1567.240+/-0.187 χ^2/NDF:533612.9/54

All: 1570.208+/-0.134 χ^2/NDF: 972104.9/104

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 5.016+/-1539.649 χ^2/NDF: 28.5/26

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2523.823+/-1437.203 χ^2/NDF: 25.8/29

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

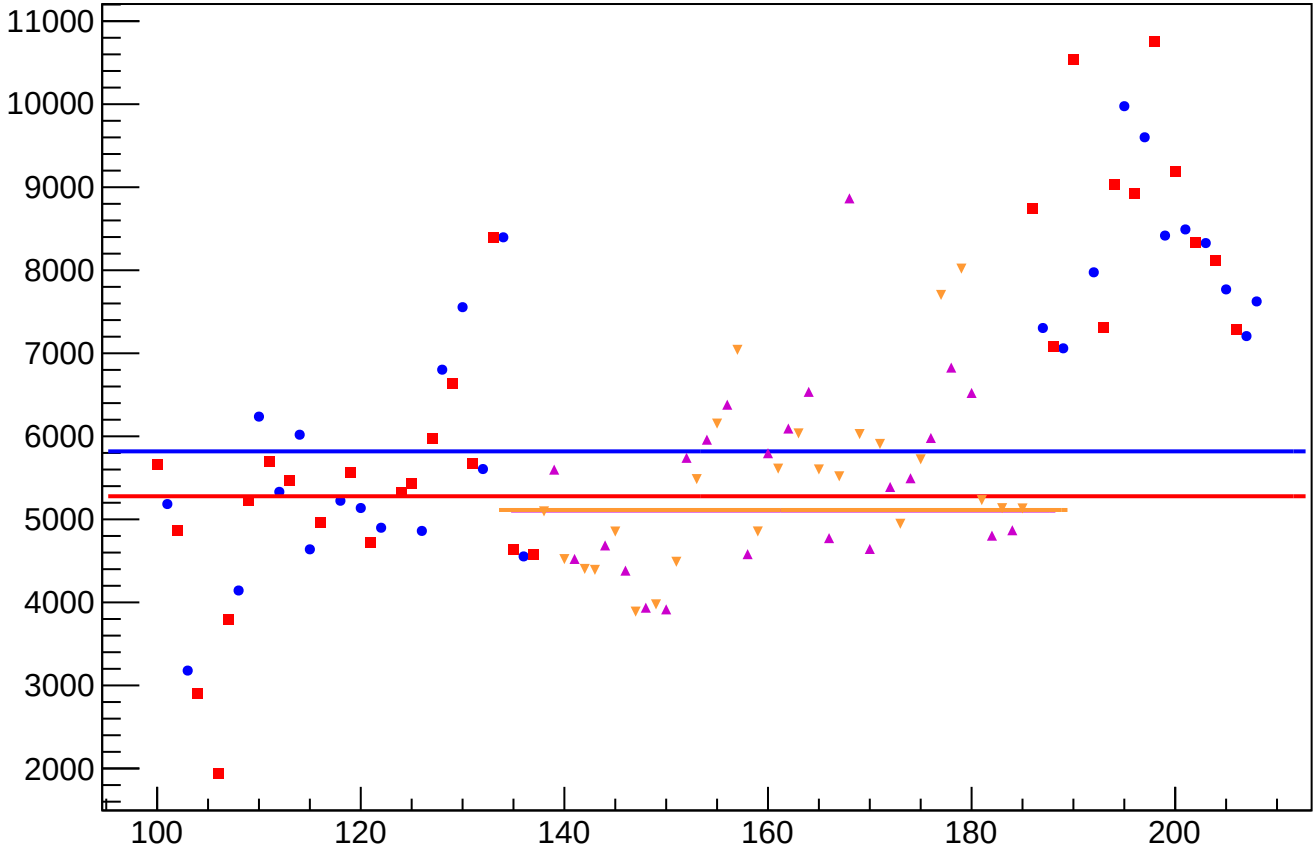
Right: -1346.328+/-1050.608 χ^2/NDF: 55.8/56

In: -58.308+/-955.036 χ^2/NDF:43.4/49

Out: -724.291+/-915.351 χ^2/NDF:55.3/54

All: -405.424+/-660.835 χ^2/NDF: 98.9/104

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5818.908+/-1.089 χ^2/NDF: 2886902.1/26

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5278.259+/-1.016 χ^2/NDF: 4918956.8/29

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

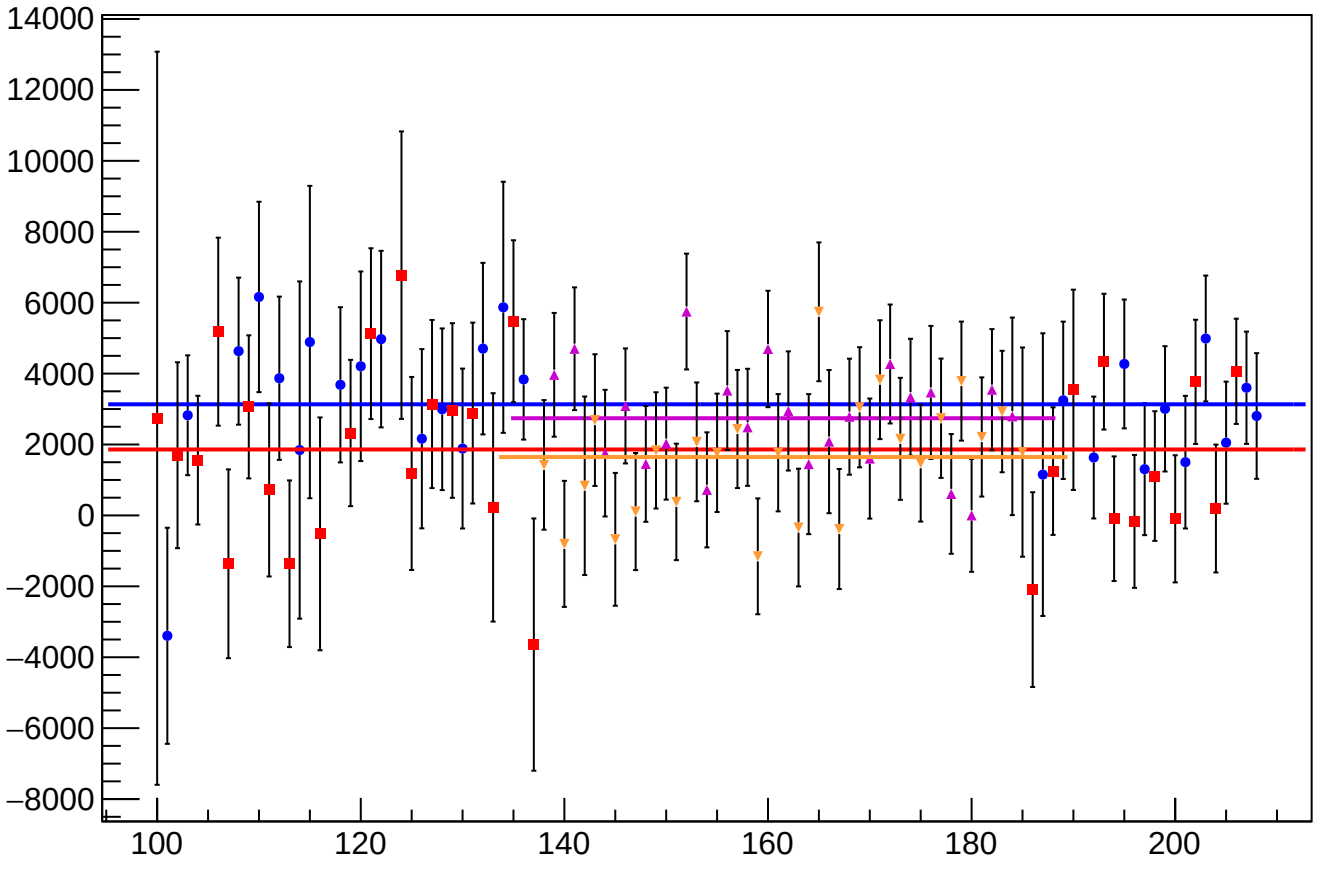
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5530.000+/-0.743 χ^2/NDF: 7937642.5/56

In: 5380.540+/-0.675 χ^2/NDF:4402050.7/49

Out: 5180.008+/-0.647 χ^2/NDF:6093693.3/54

All: 5276.021+/-0.467 χ^2/NDF: 10541702.7/



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1859.711+/-406.837 χ^2/NDF: 27.5/29

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

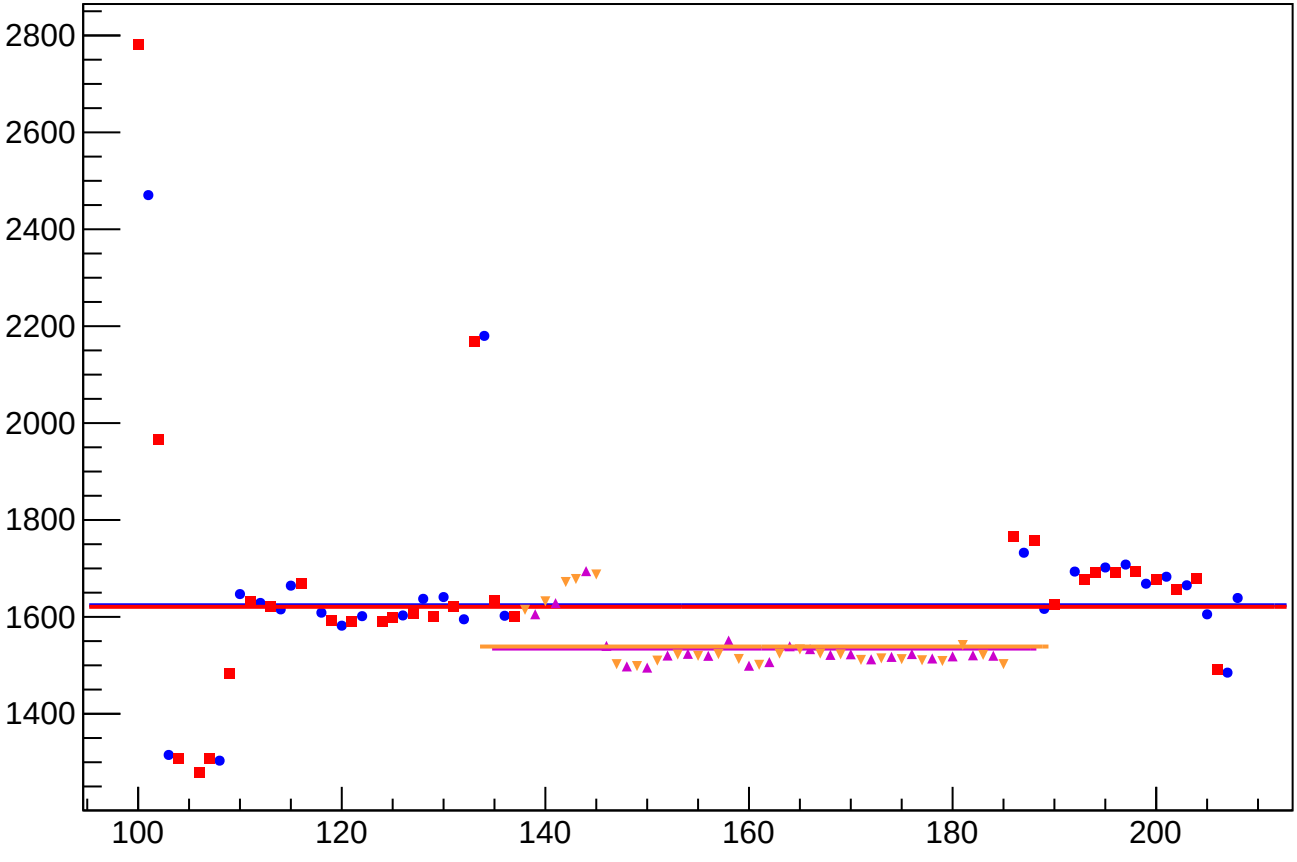
Right: 2491.322+/-288.880 χ^2/NDF: 46.3/56

In: 2910.869+/-269.937 χ^2/NDF:30.9/49

Out: 1736.993+/-265.221 χ^2/NDF:48.7/54

All: 2313.587+/-189.185 χ^2/NDF: 89.2/104

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

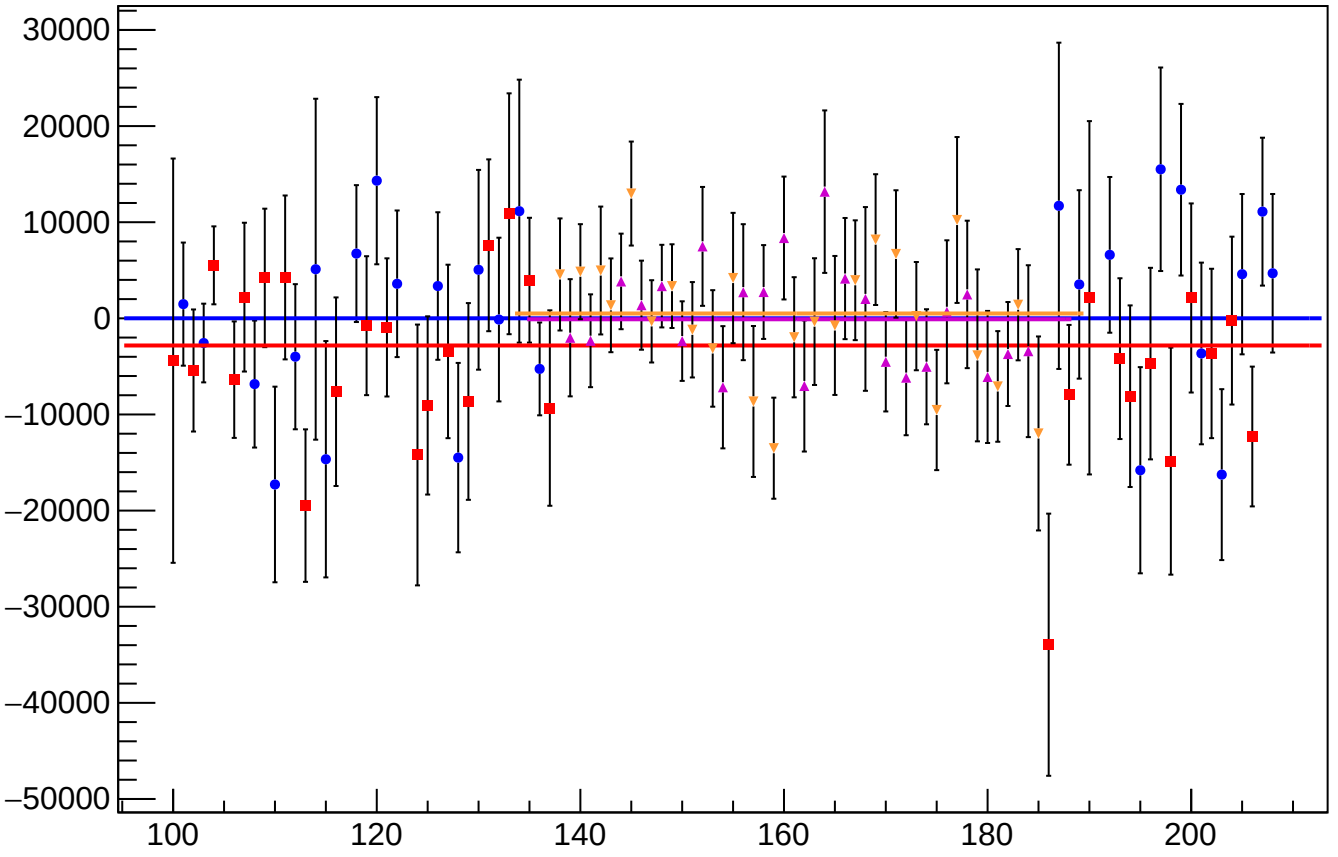
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1622.380+/-0.204 χ^2/NDF: 656260.2/56

In: 1573.305+/-0.191 χ^2/NDF:437975.6/49

Out: 1573.733+/-0.187 χ^2/NDF:397040.5/54

All: 1573.523+/-0.134 χ^2/NDF: 835018.7/104



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2824.358+/-1497.178 χ^2/NDF: 26.4/29

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

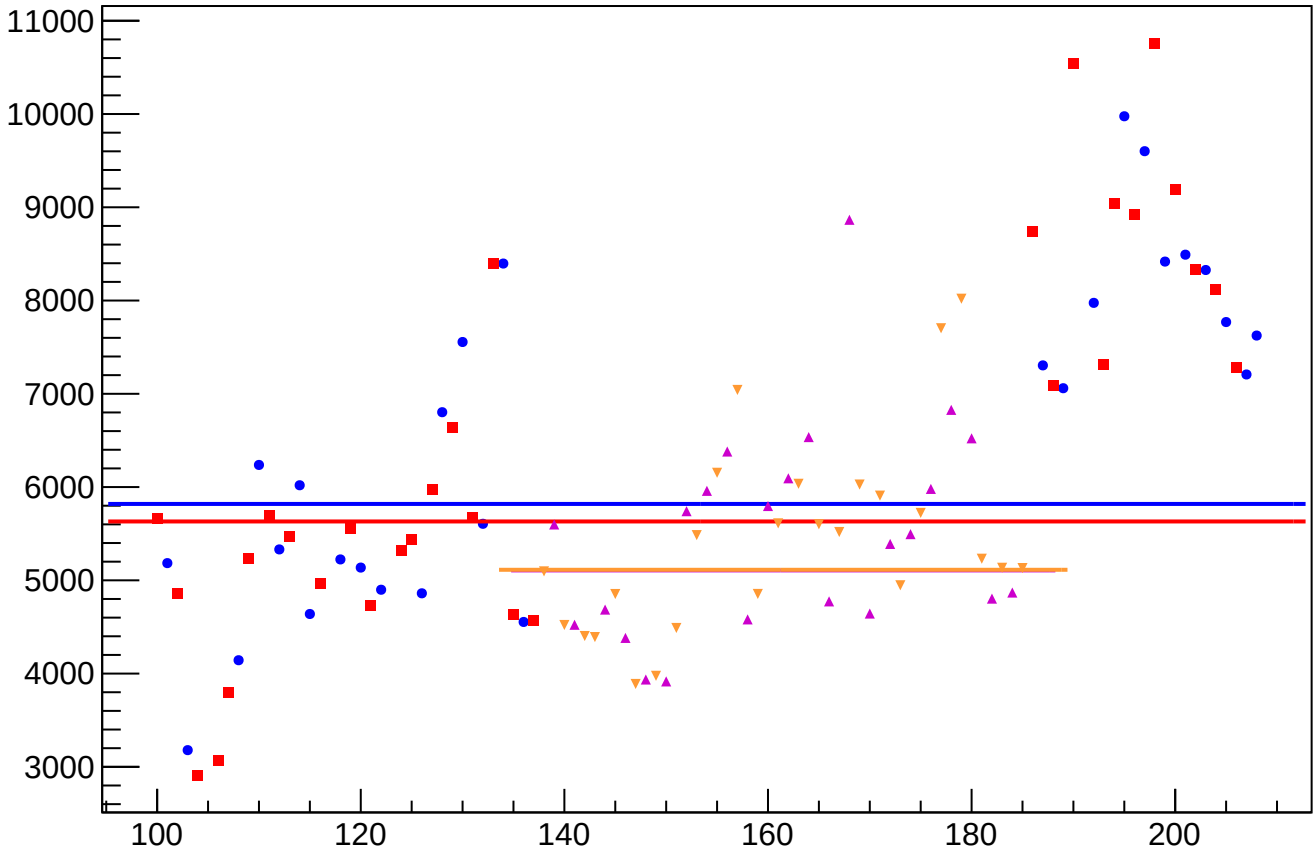
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1449.285+/-1073.373 χ^2/NDF: 56.6/56

In: -58.346+/-955.041 χ^2/NDF:43.4/49

Out: -781.124+/-930.283 χ^2/NDF:56.2/54

All: -429.225+/-666.390 χ^2/NDF: 99.9/104



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

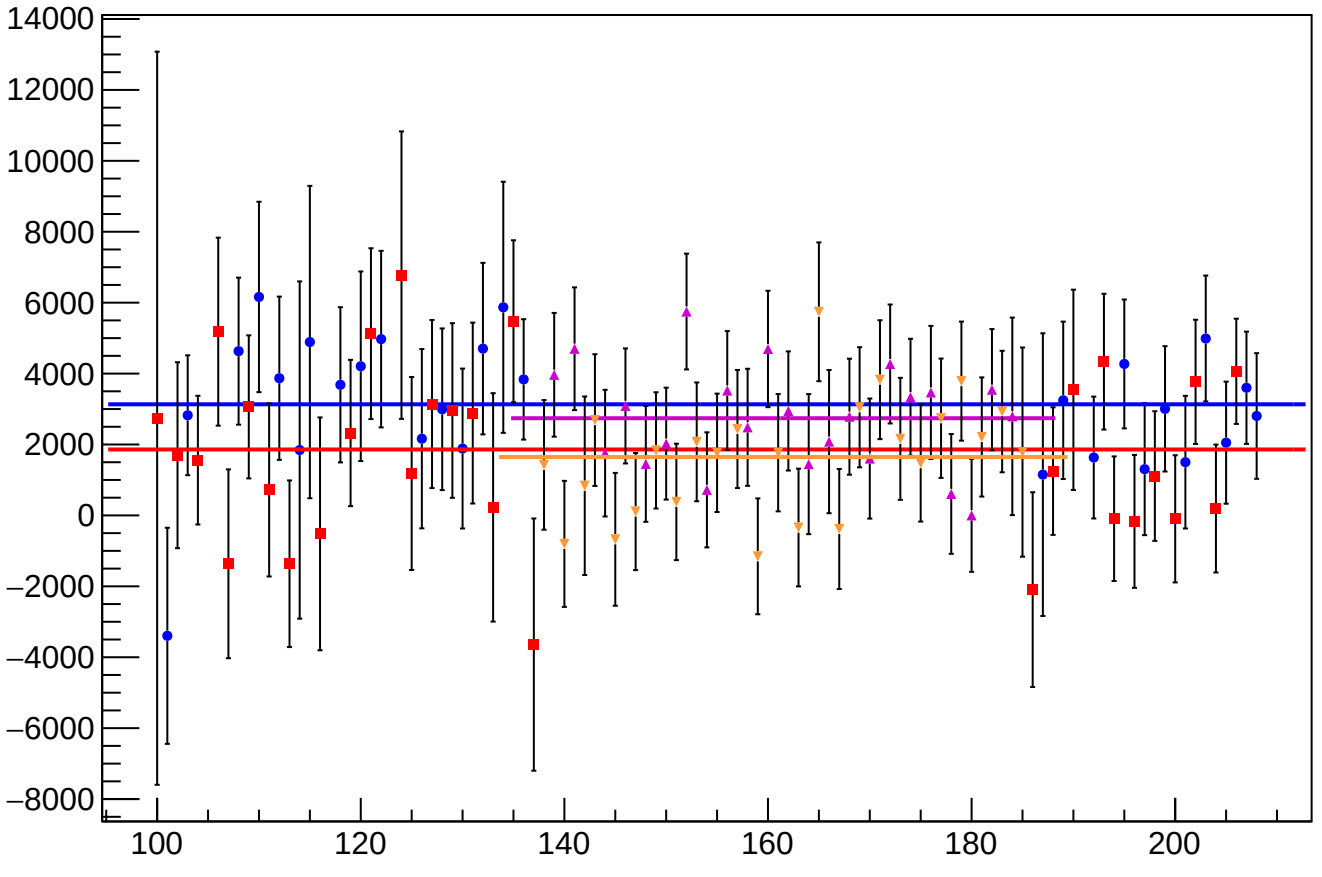
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5722.464+/-0.759 χ^2/NDF: 6522259.4/56

In: 5380.581+/-0.675 χ^2/NDF:4401760.0/49

Out: 5313.019+/-0.658 χ^2/NDF:4926548.7/54

All: 5345.913+/-0.471 χ^2/NDF: 9333444.5/10



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1859.711+/-406.837 χ^2/NDF: 27.5/29

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

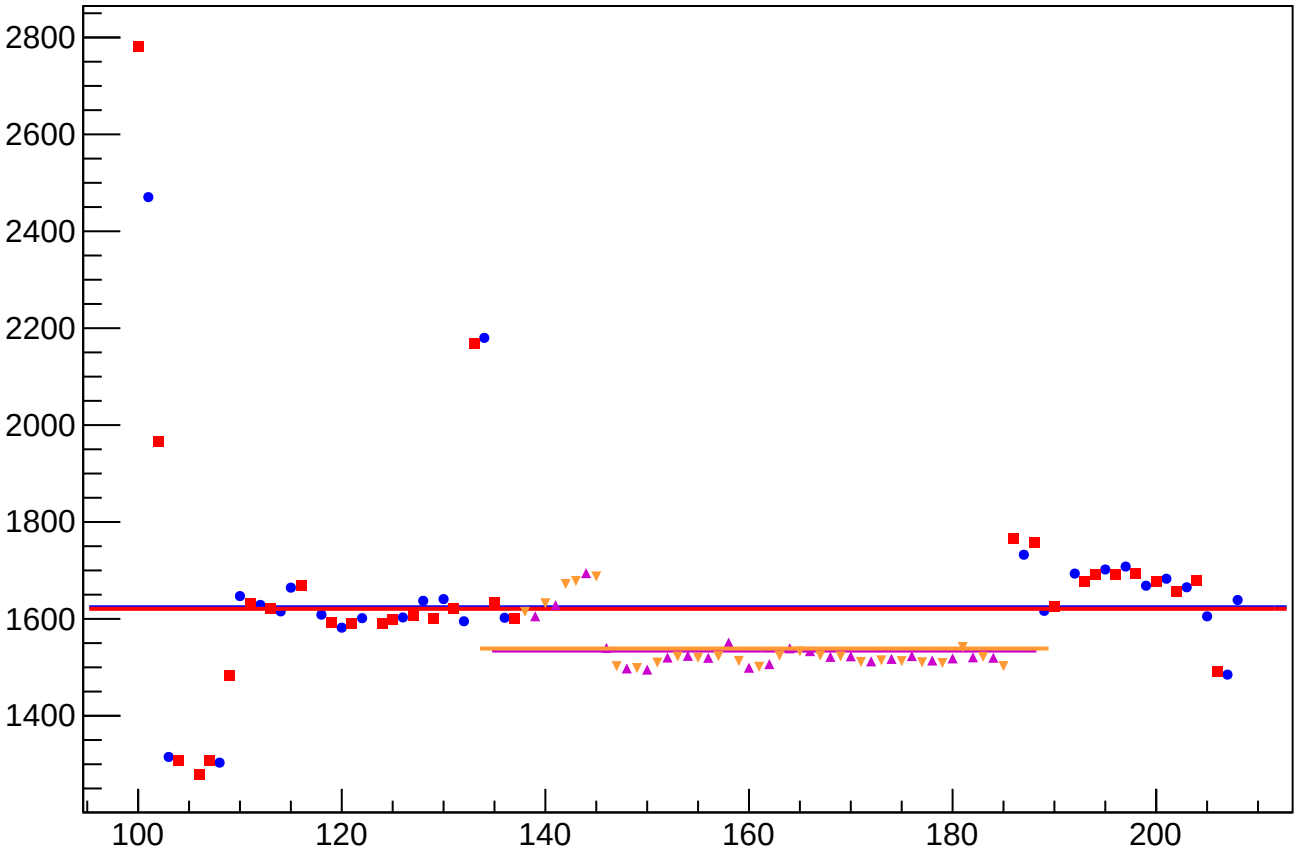
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2491.322+/-288.880 χ^2/NDF: 46.3/56

In: 2910.869+/-269.937 χ^2/NDF:30.9/49

Out: 1736.993+/-265.221 χ^2/NDF:48.7/54

All: 2313.587+/-189.185 χ^2/NDF: 89.2/104



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

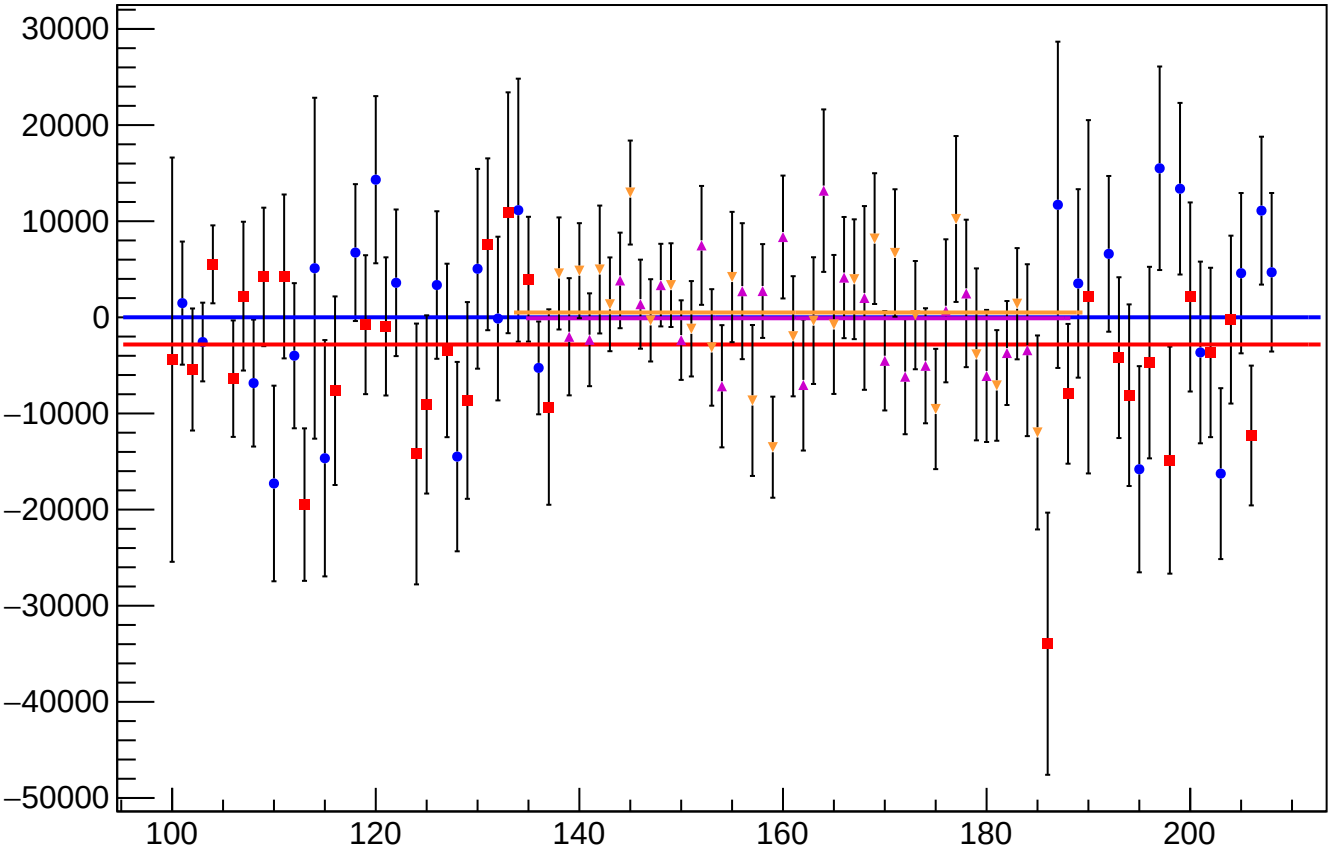
Right: 1622.380+/-0.204 χ^2/NDF: 656260.2/56

In: 1573.305+/-0.191 χ^2/NDF:437975.6/49

Out: 1573.733+/-0.187 χ^2/NDF:397040.5/54

All: 1573.523+/-0.134 χ^2/NDF: 835018.7/104

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2824.358+/-1497.178 χ^2/NDF: 26.4/29

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

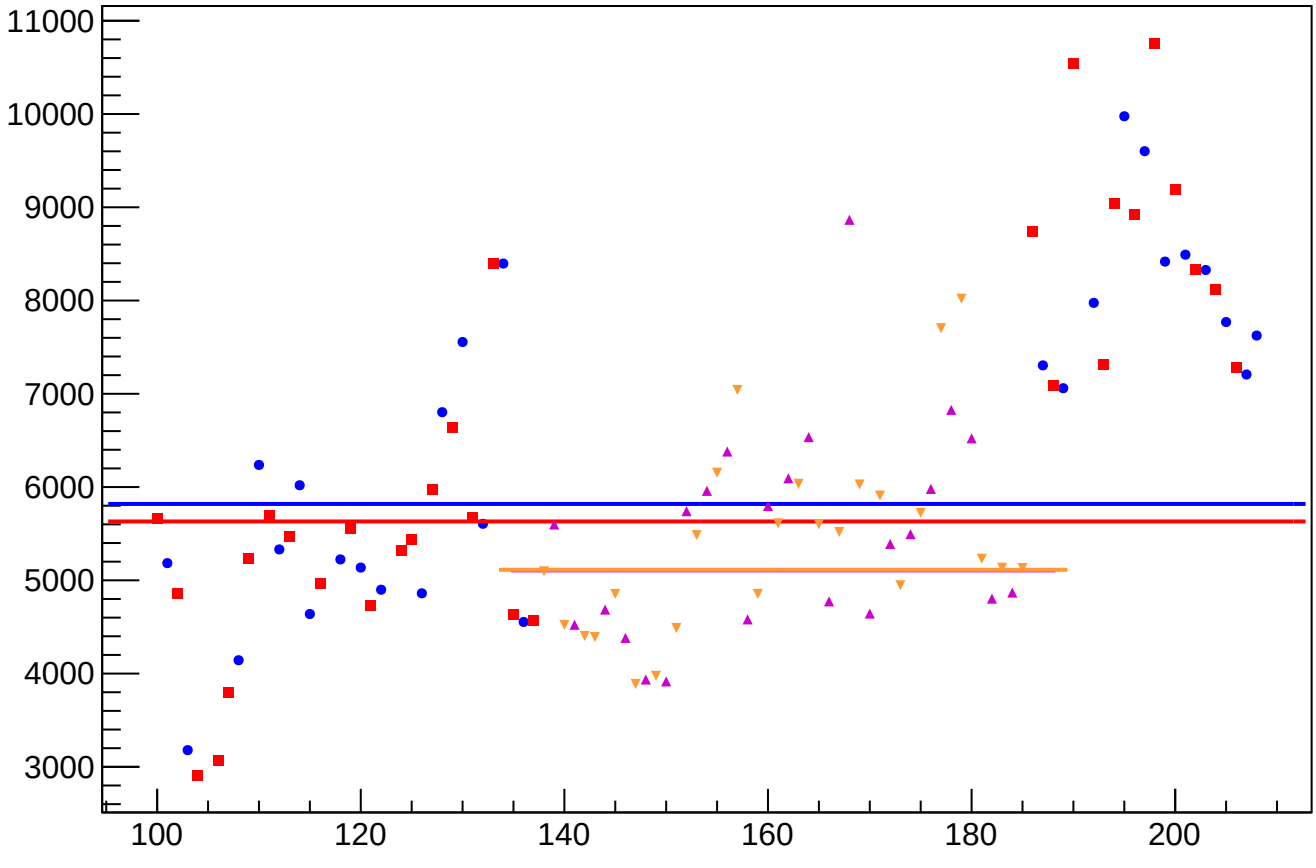
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1449.285+/-1073.373 χ^2/NDF: 56.6/56

In: -58.346+/-955.041 χ^2/NDF:43.4/49

Out: -781.124+/-930.283 χ^2/NDF:56.2/54

All: -429.225+/-666.390 χ^2/NDF: 99.9/104



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

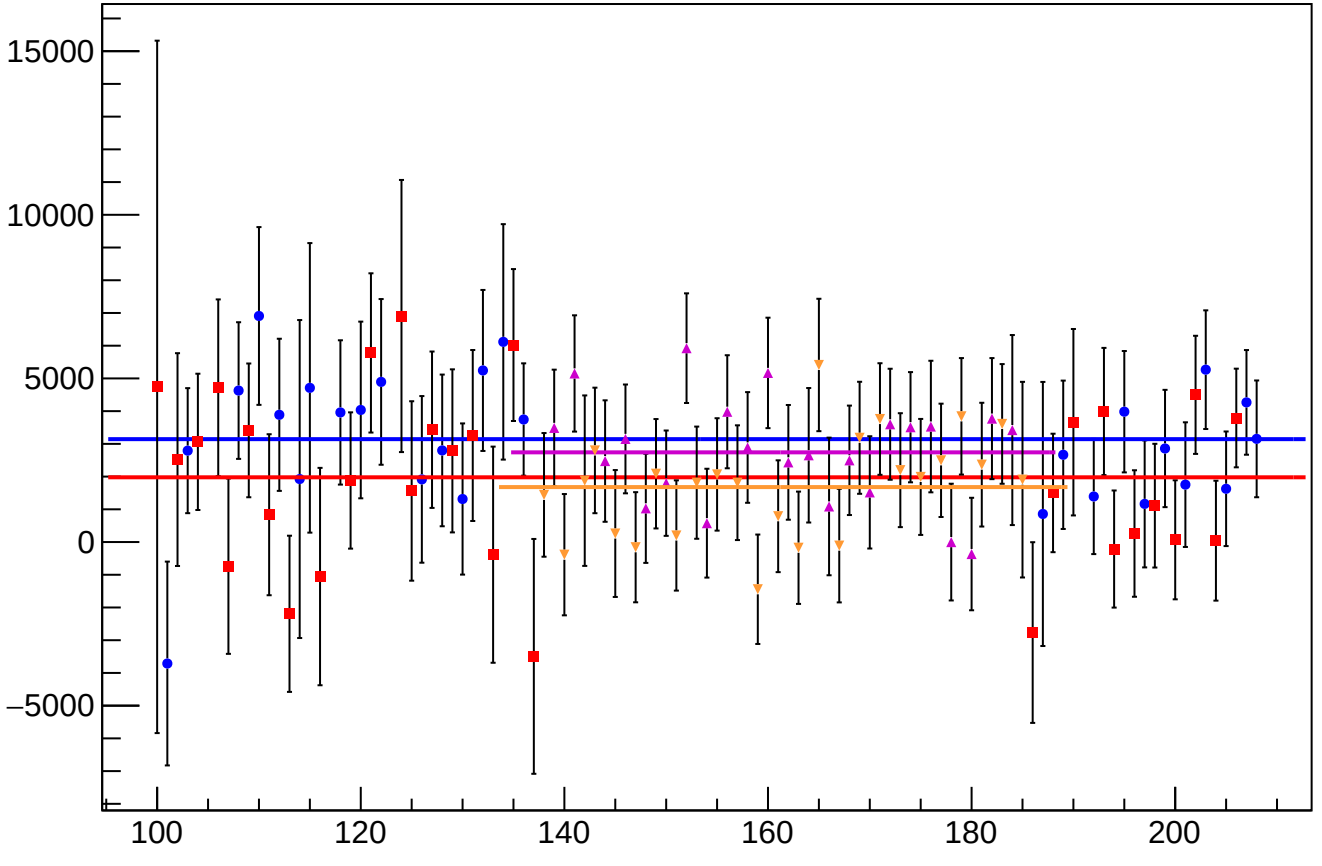
Right: 5722.464+/-0.759 χ^2/NDF: 6522259.4/56

In: 5380.581+/-0.675 χ^2/NDF:4401760.0/49

Out: 5313.019+/-0.658 χ^2/NDF:4926548.7/54

All: 5345.913+/-0.471 χ^2/NDF: 9333444.5/10

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3144.311+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1978.246+/-417.357 χ^2/NDF: 30.0/29

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

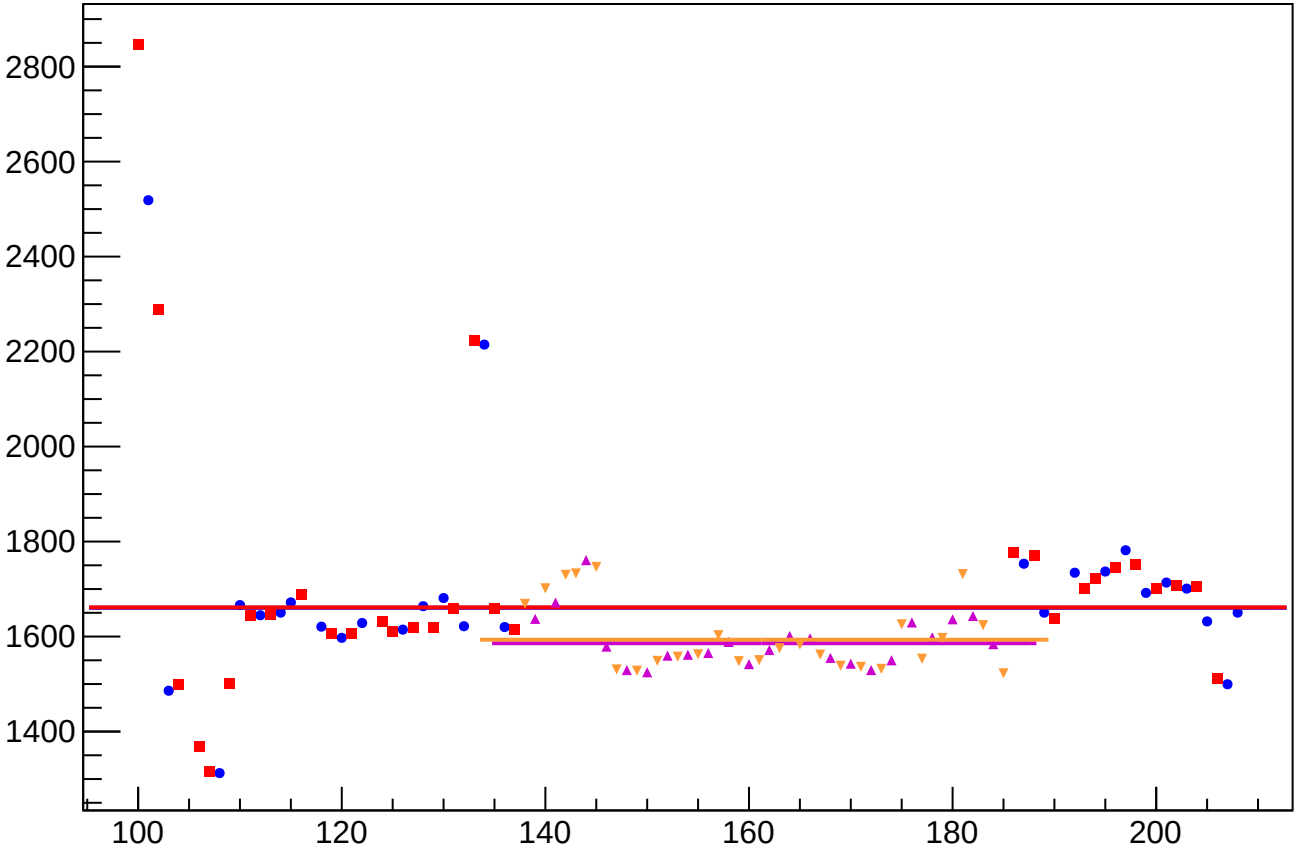
Right: 2558.511+/-295.815 χ^2/NDF: 50.4/56

In: 2917.679+/-277.697 χ^2/NDF:36.2/49

Out: 1807.726+/-273.634 χ^2/NDF:49.3/54

All: 2354.522+/-194.909 χ^2/NDF: 93.6/104

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1660.576+/-0.297 χ^2/NDF: 316046.4/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.5/29

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

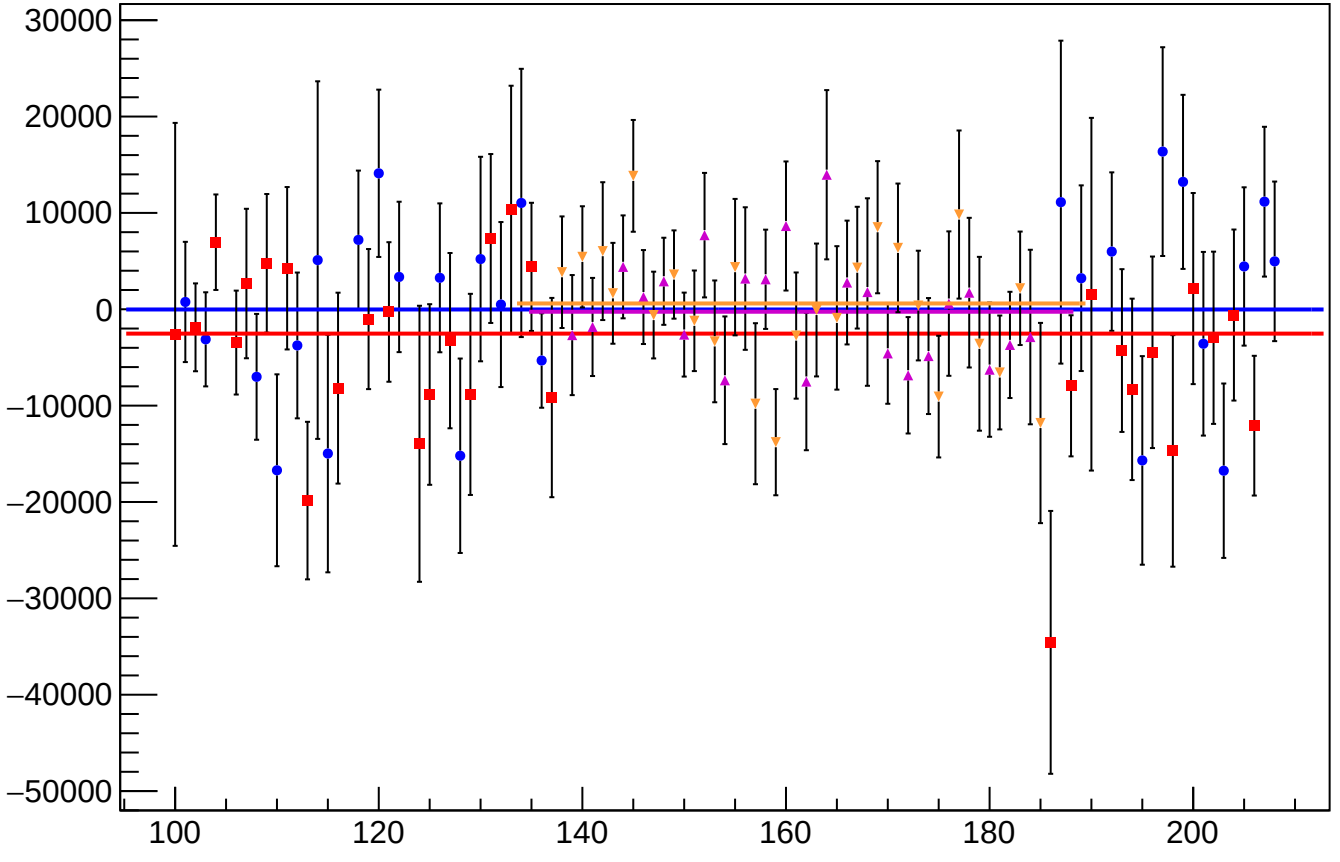
Right: 1660.968+/-0.209 χ^2/NDF: 605527.4/56

In: 1618.658+/-0.196 χ^2/NDF:393554.6/49

Out: 1622.618+/-0.193 χ^2/NDF:391610.3/54

All: 1620.668+/-0.138 χ^2/NDF: 785371.3/104

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -21.846+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2527.127+/-1489.310 χ^2/NDF: 25.6/29

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

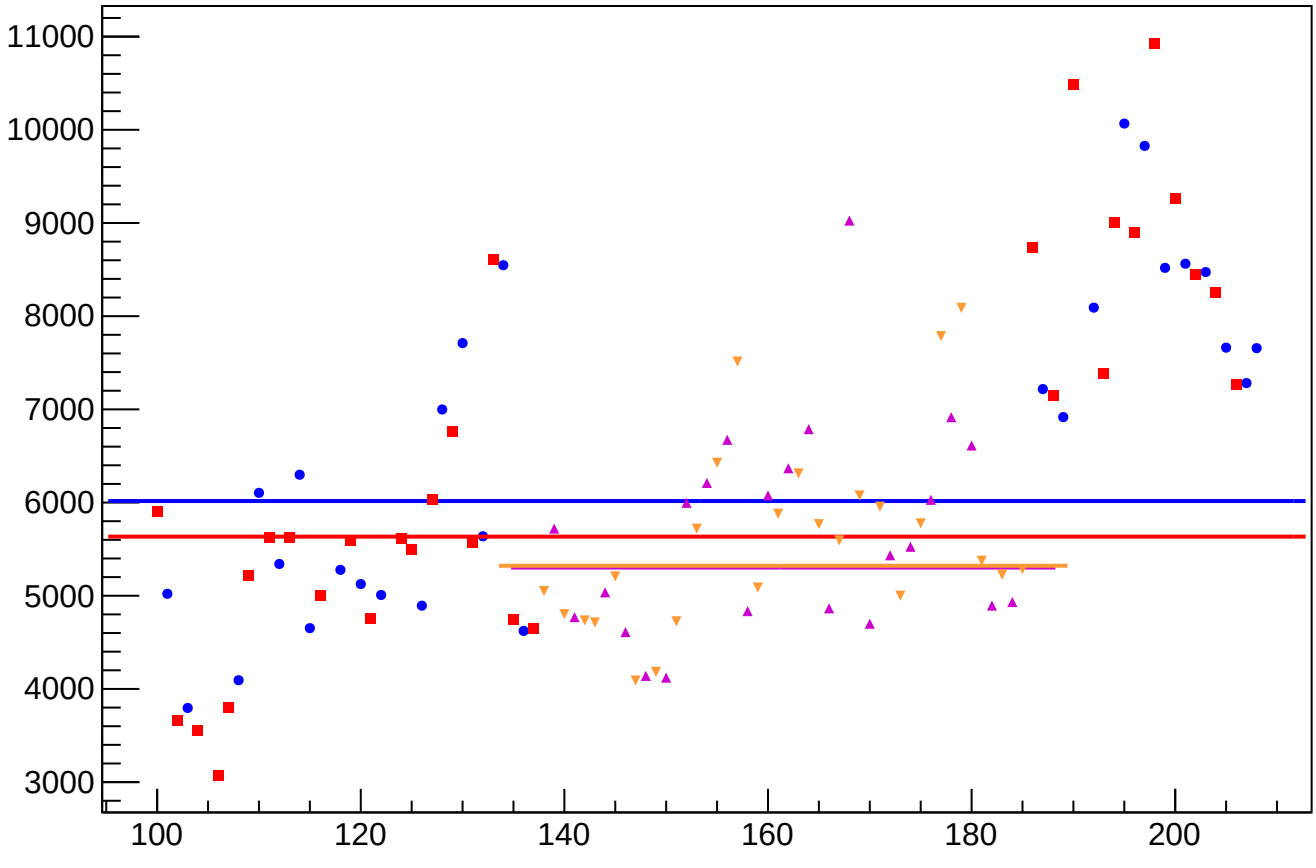
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1348.343+/-1083.703 χ^2/NDF: 55.4/56

In: -164.678+/-986.323 χ^2/NDF:43.1/49

Out: -671.330+/-950.005 χ^2/NDF:54.3/54

All: -427.504+/-684.234 χ^2/NDF: 97.5/104



Right In: 6016.301+/-1.117 χ^2/NDF: 2436764.9/26

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5634.317+/-1.053 χ^2/NDF: 3539572.8/29

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

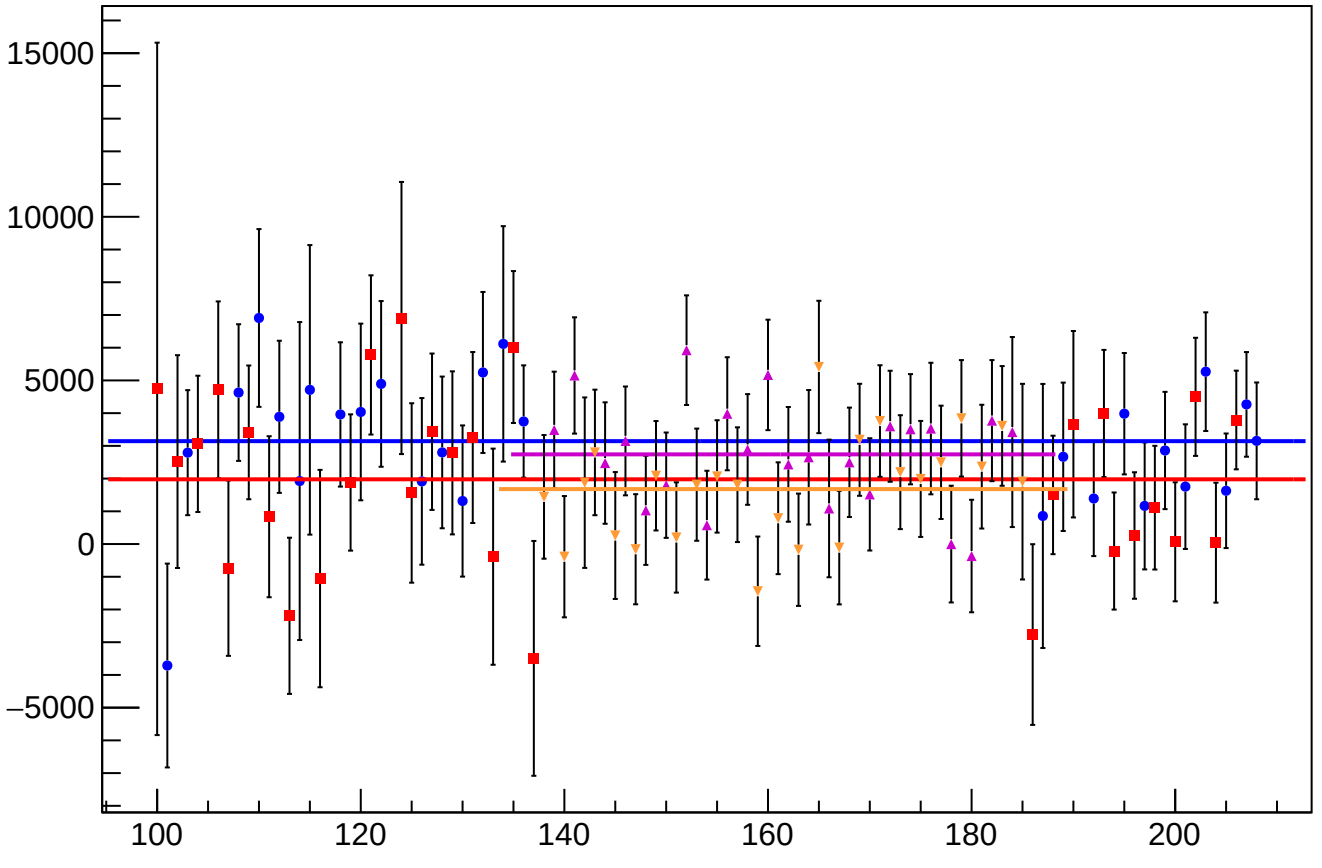
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5814.048+/-0.766 χ^2/NDF: 6038243.1/56

In: 5580.923+/-0.697 χ^2/NDF:3838037.6/49

Out: 5449.054+/-0.672 χ^2/NDF:4628762.2/54

All: 5512.516+/-0.484 χ^2/NDF: 8485345.3/10



Right In: 3144.309+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1978.244+/-417.357 χ^2/NDF: 30.0/29

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

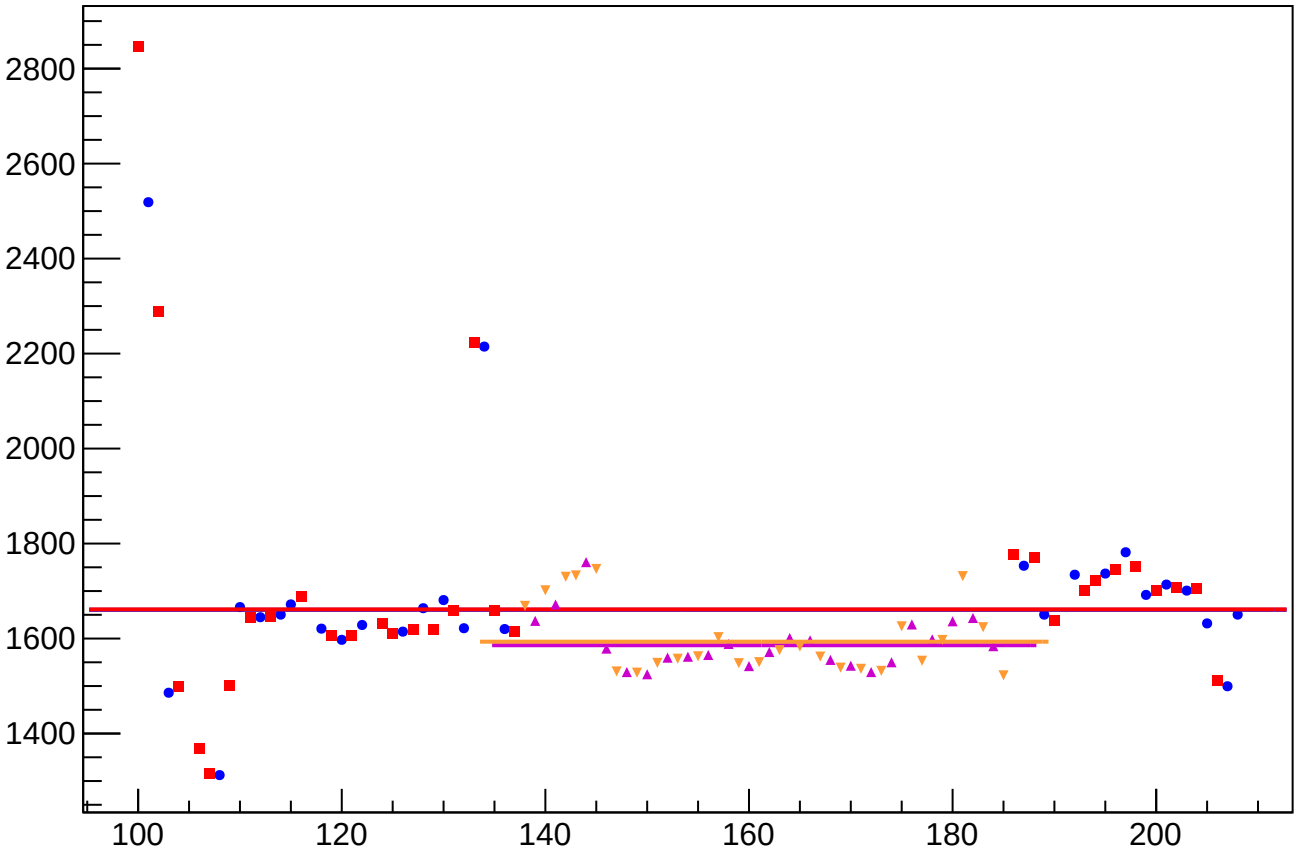
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2558.509+/-295.815 χ^2/NDF: 50.4/56

In: 2917.678+/-277.697 χ^2/NDF:36.2/49

Out: 1807.721+/-273.634 χ^2/NDF:49.3/54

All: 2354.520+/-194.909 χ^2/NDF: 93.6/104



Right In: 1660.575+/-0.297 χ^2/NDF: 316046.6/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.6/29

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

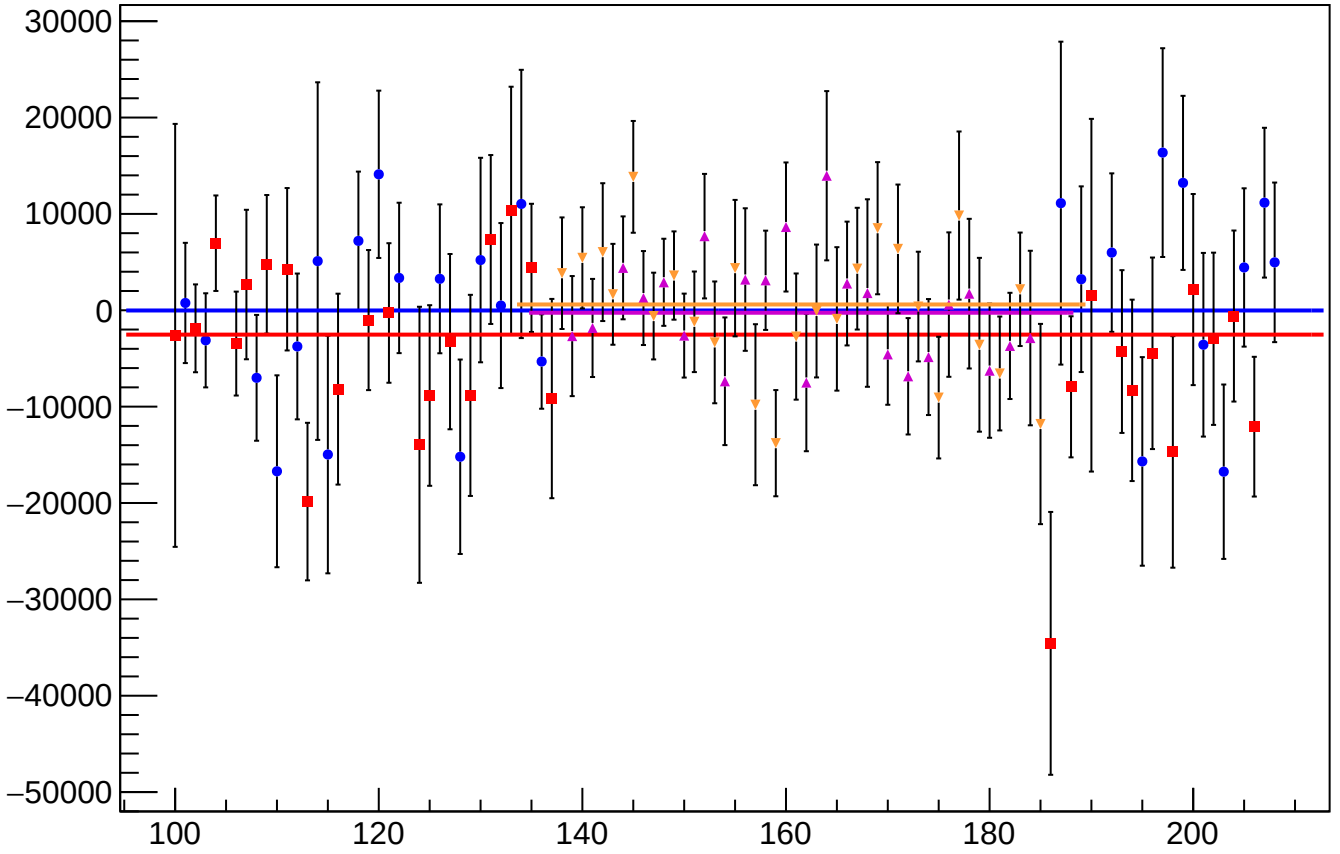
Right: 1660.968+/-0.209 χ^2/NDF: 605527.7/56

In: 1618.659+/-0.196 χ^2/NDF:393553.3/49

Out: 1622.619+/-0.193 χ^2/NDF:391609.5/54

All: 1620.668+/-0.138 χ^2/NDF: 785369.1/104

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -21.839+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2527.124+/-1489.309 χ^2/NDF: 25.6/29

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

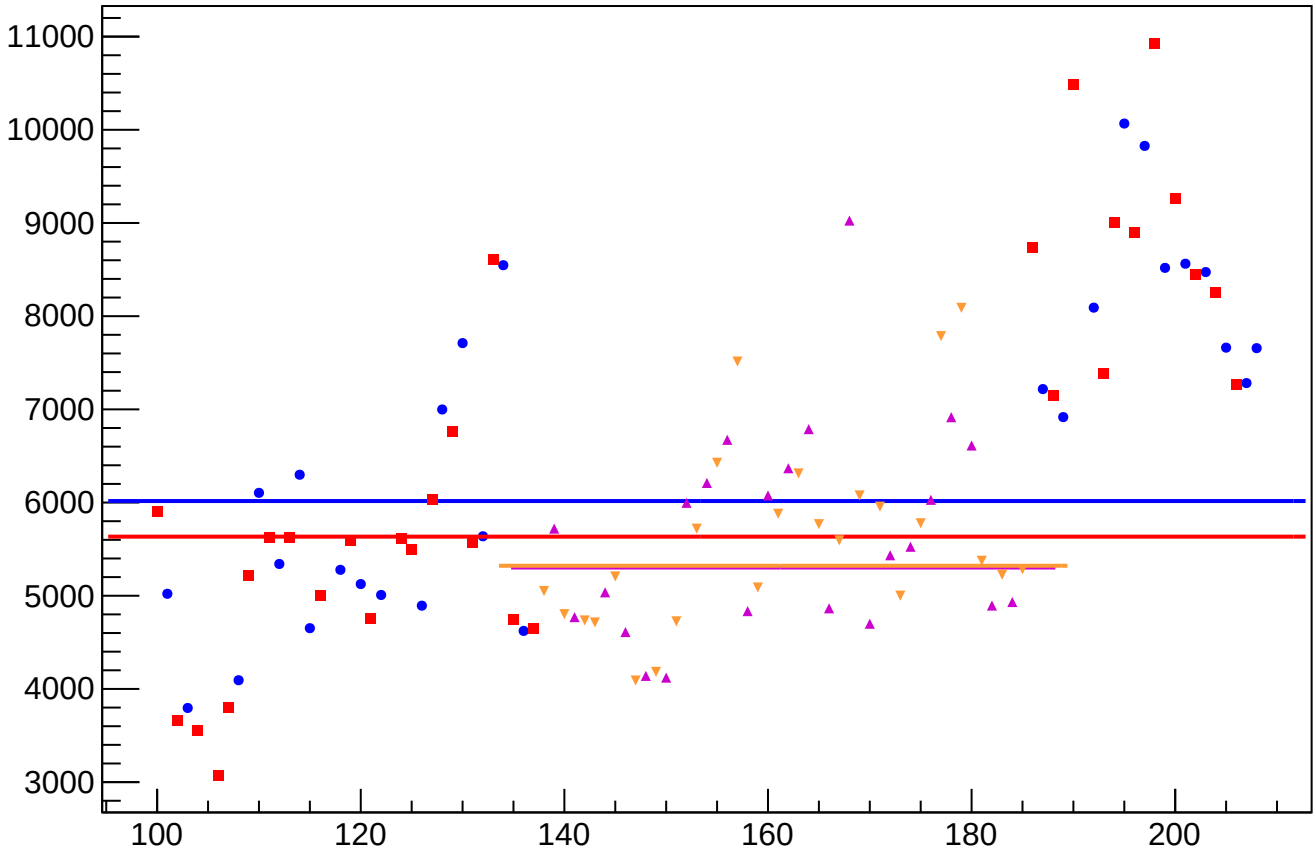
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1348.338+/-1083.702 χ^2/NDF: 55.4/56

In: -164.677+/-986.324 χ^2/NDF:43.1/49

Out: -671.335+/-950.006 χ^2/NDF:54.3/54

All: -427.505+/-684.235 χ^2/NDF: 97.5/104



Right In: 6016.297+/-1.117 χ^2/NDF: 2436777.3/26

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5634.311+/-1.053 χ^2/NDF: 3539585.0/29

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

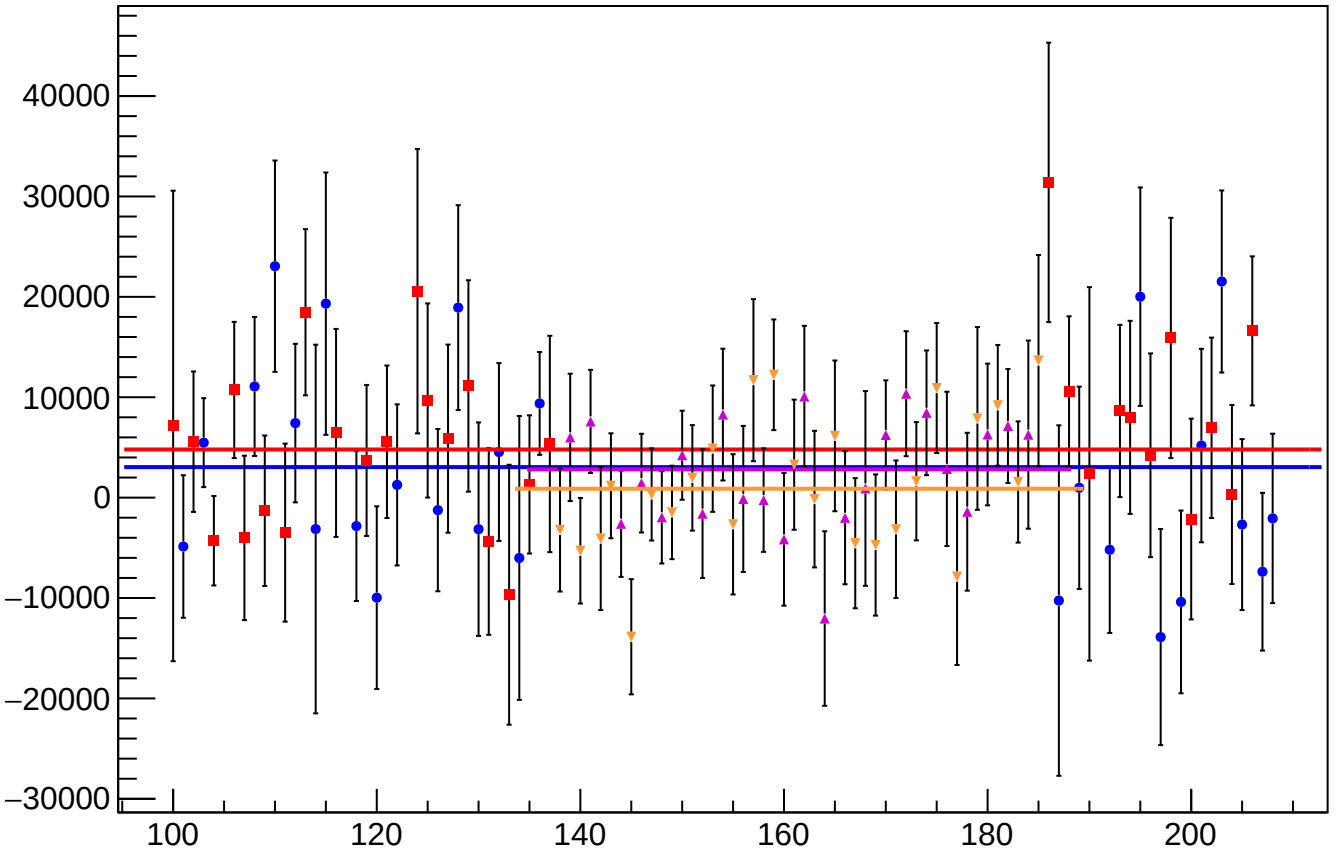
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5814.043+/-0.766 χ^2/NDF: 6038268.3/56

In: 5580.928+/-0.697 χ^2/NDF:3838044.4/49

Out: 5449.057+/-0.672 χ^2/NDF:4628771.5/54

All: 5512.520+/-0.484 χ^2/NDF: 8485361.6/10



Right In: 3040.402+/-1612.591 χ^2/NDF: 31.7/26

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4796.588+/-1577.033 χ^2/NDF: 23.5/29

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

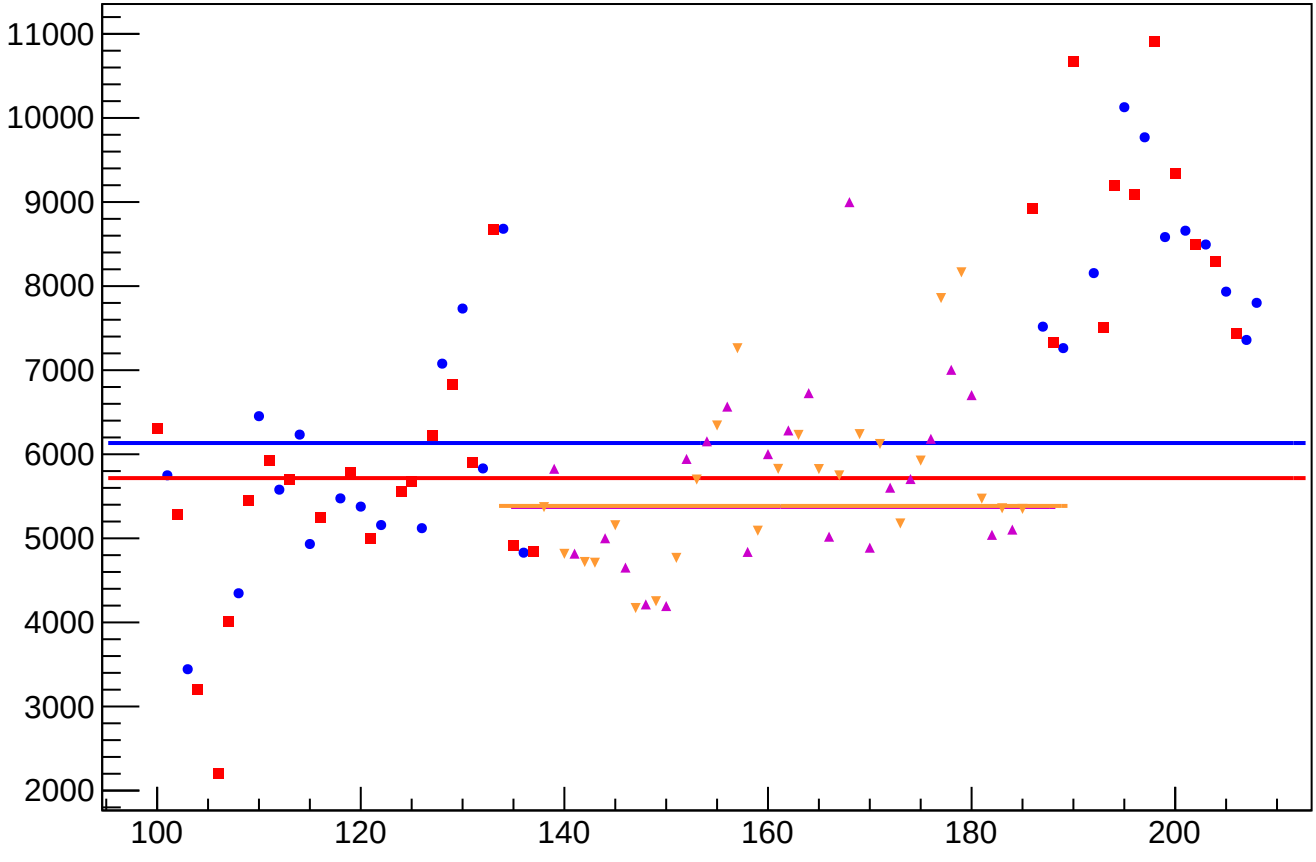
Right: 3938.070+/-1127.492 χ^2/NDF: 55.8/56

In: 2899.249+/-1001.224 χ^2/NDF:46.4/49

Out: 2389.376+/-977.912 χ^2/NDF:53.0/54

All: 2638.307+/-699.585 χ^2/NDF: 99.5/104

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6133.694+/-1.140 χ^2/NDF: 2542929.2/26

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5716.547+/-1.085 χ^2/NDF: 4052826.7/29

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

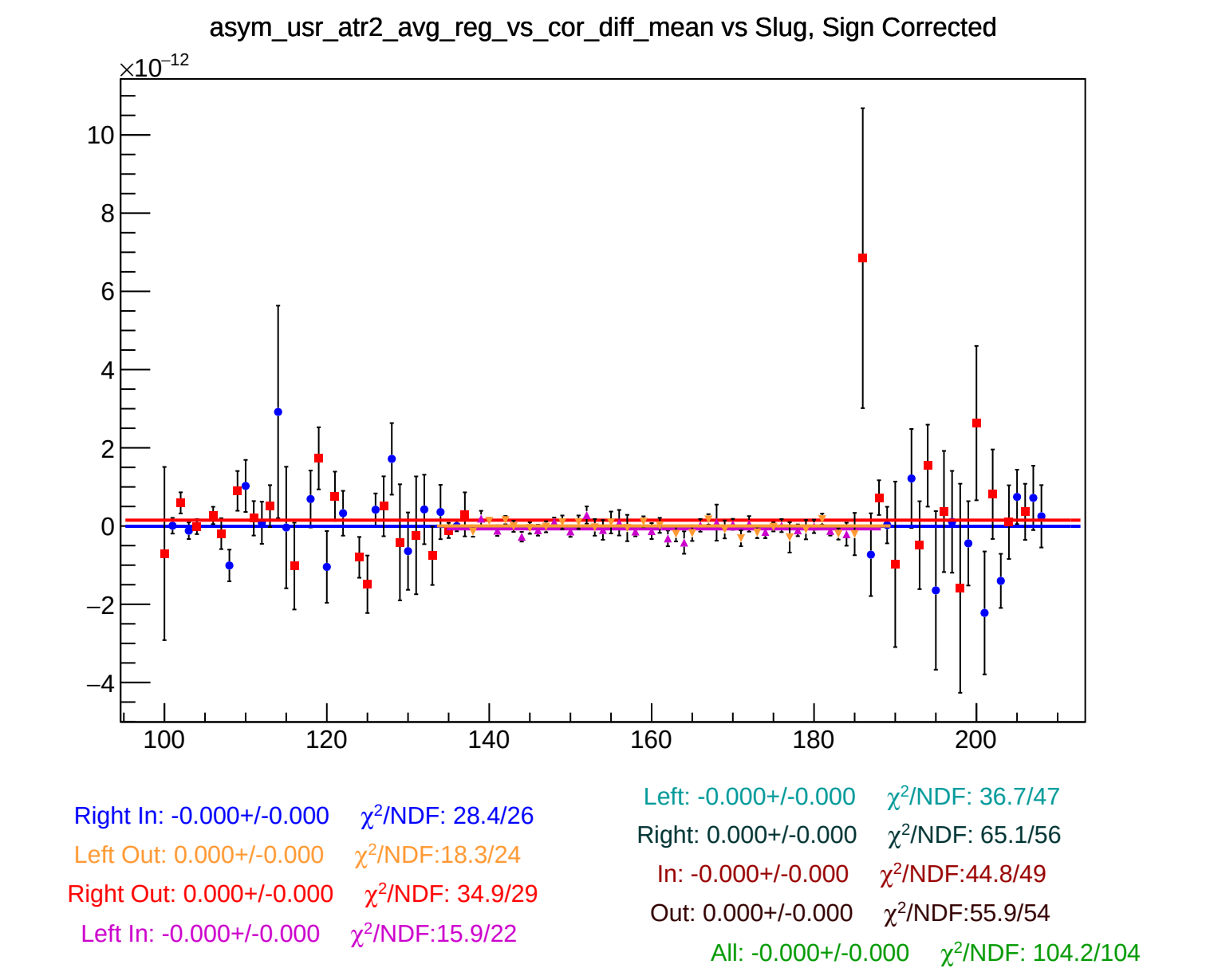
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

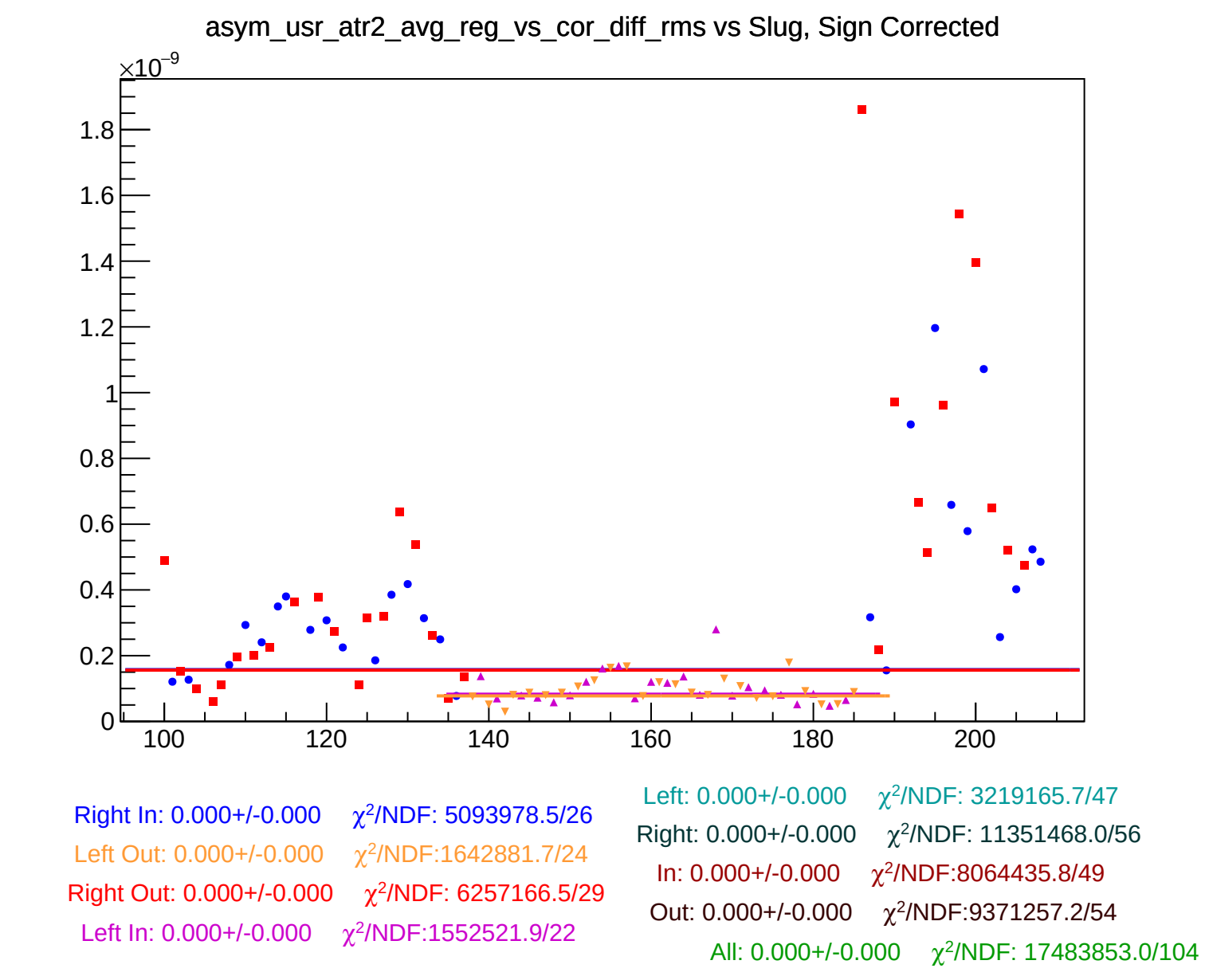
Right: 5914.697+/-0.786 χ^2/NDF: 6666016.4/56

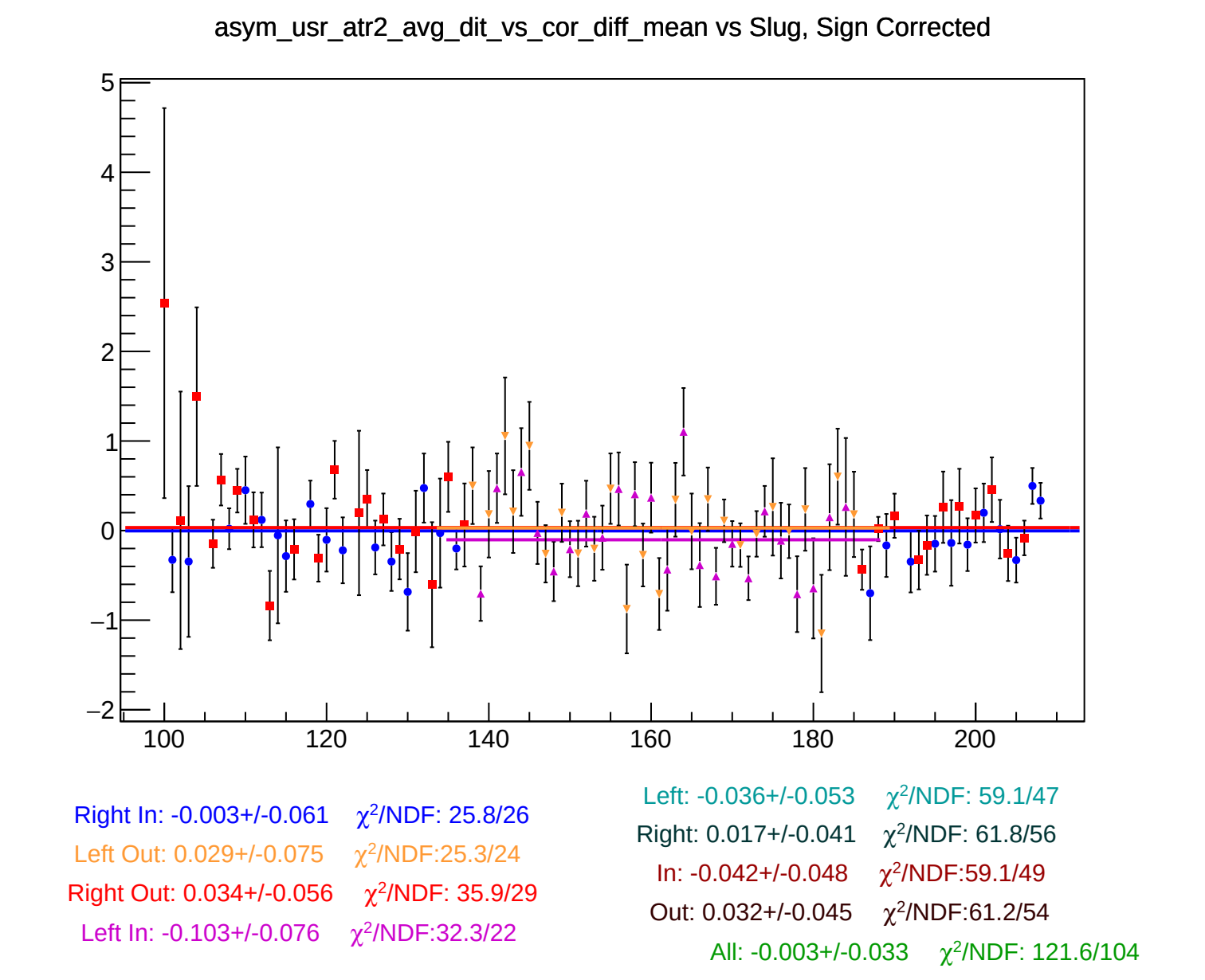
In: 5666.159+/-0.708 χ^2/NDF:3888329.2/49

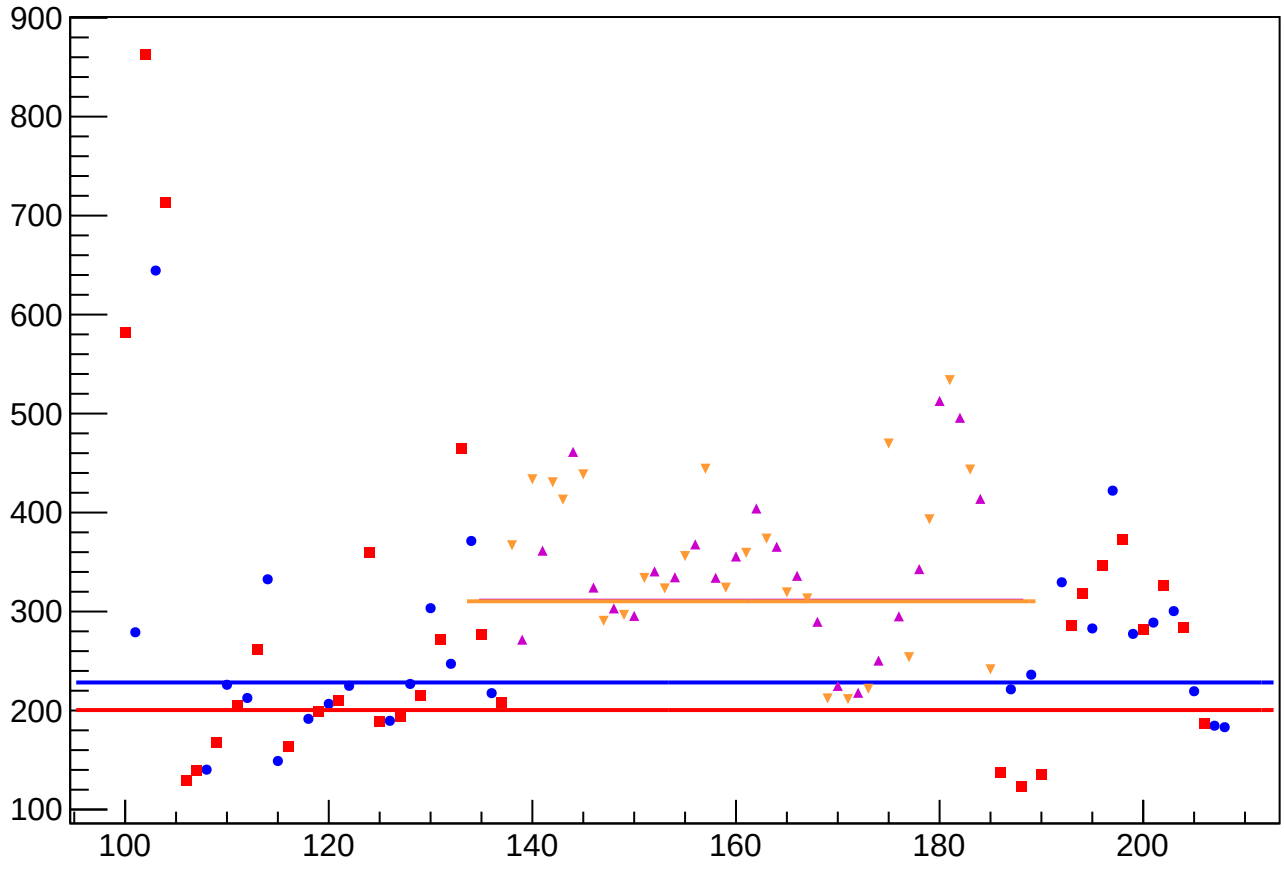
Out: 5517.256+/-0.684 χ^2/NDF:5095969.2/54

All: 5589.147+/-0.492 χ^2/NDF: 9007176.7/10


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.4/26
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.9/29
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: 65.1/56
In: -0.000+/-0.000 χ²/NDF:44.8/49
Out: 0.000+/-0.000 χ²/NDF:55.9/54
All: -0.000+/-0.000 χ²/NDF: 104.2/104


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5093978.5/26
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6257166.5/29
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: 11351468.0/56
In: 0.000+/-0.000 χ²/NDF:8064435.8/49
Out: 0.000+/-0.000 χ²/NDF:9371257.2/54
All: 0.000+/-0.000 χ²/NDF: 17483853.0/104


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.003+/-0.061 χ²/NDF: 25.8/26
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.034+/-0.056 χ²/NDF: 35.9/29
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: 0.017+/-0.041 χ²/NDF: 61.8/56
In: -0.042+/-0.048 χ²/NDF:59.1/49
Out: 0.032+/-0.045 χ²/NDF:61.2/54
All: -0.003+/-0.033 χ²/NDF: 121.6/104



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

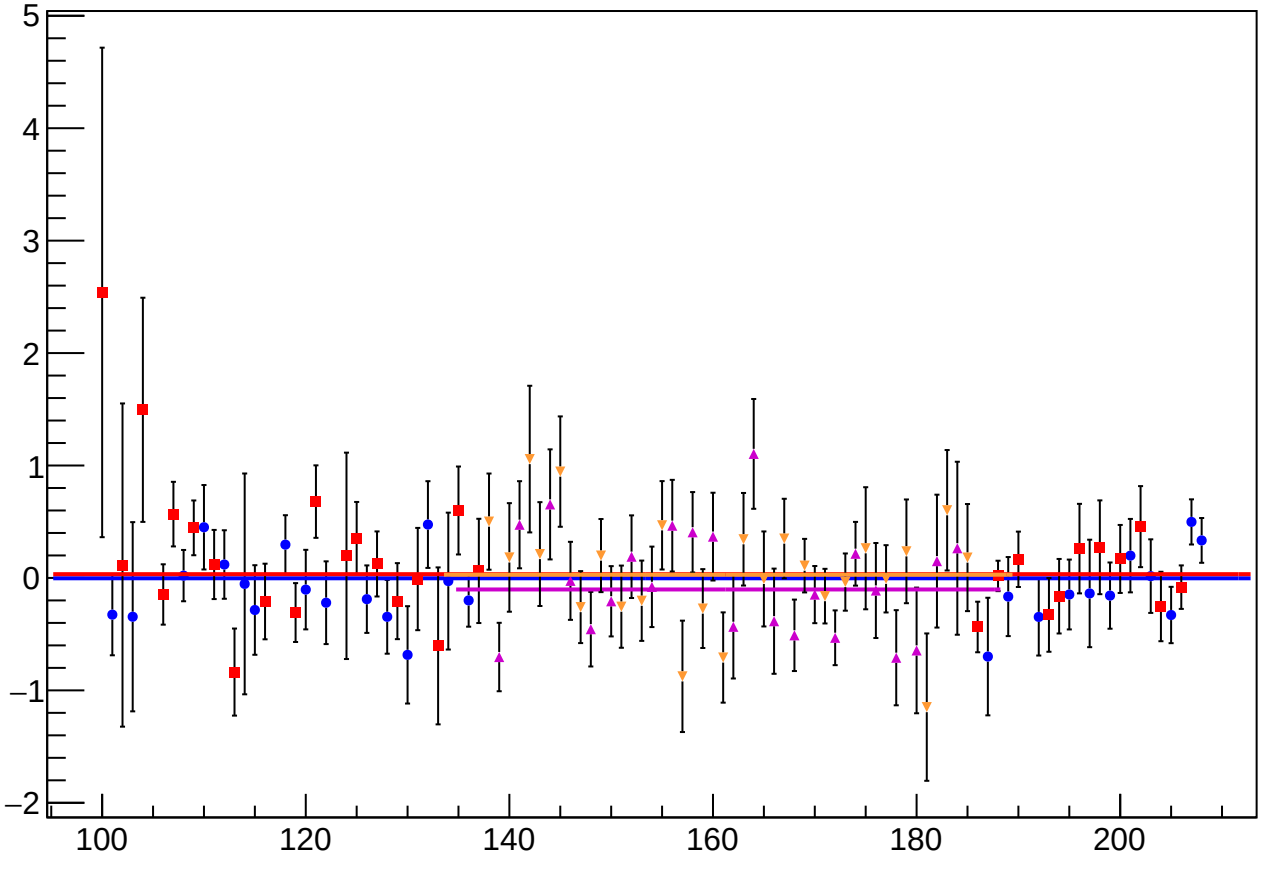
Right: 213.133+/-0.029 χ^2/NDF: 6745124.5/56

In: 260.629+/-0.034 χ^2/NDF:5211330.4/49

Out: 239.813+/-0.032 χ^2/NDF:9481730.8/54

All: 249.547+/-0.023 χ^2/NDF: 14896068.8/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

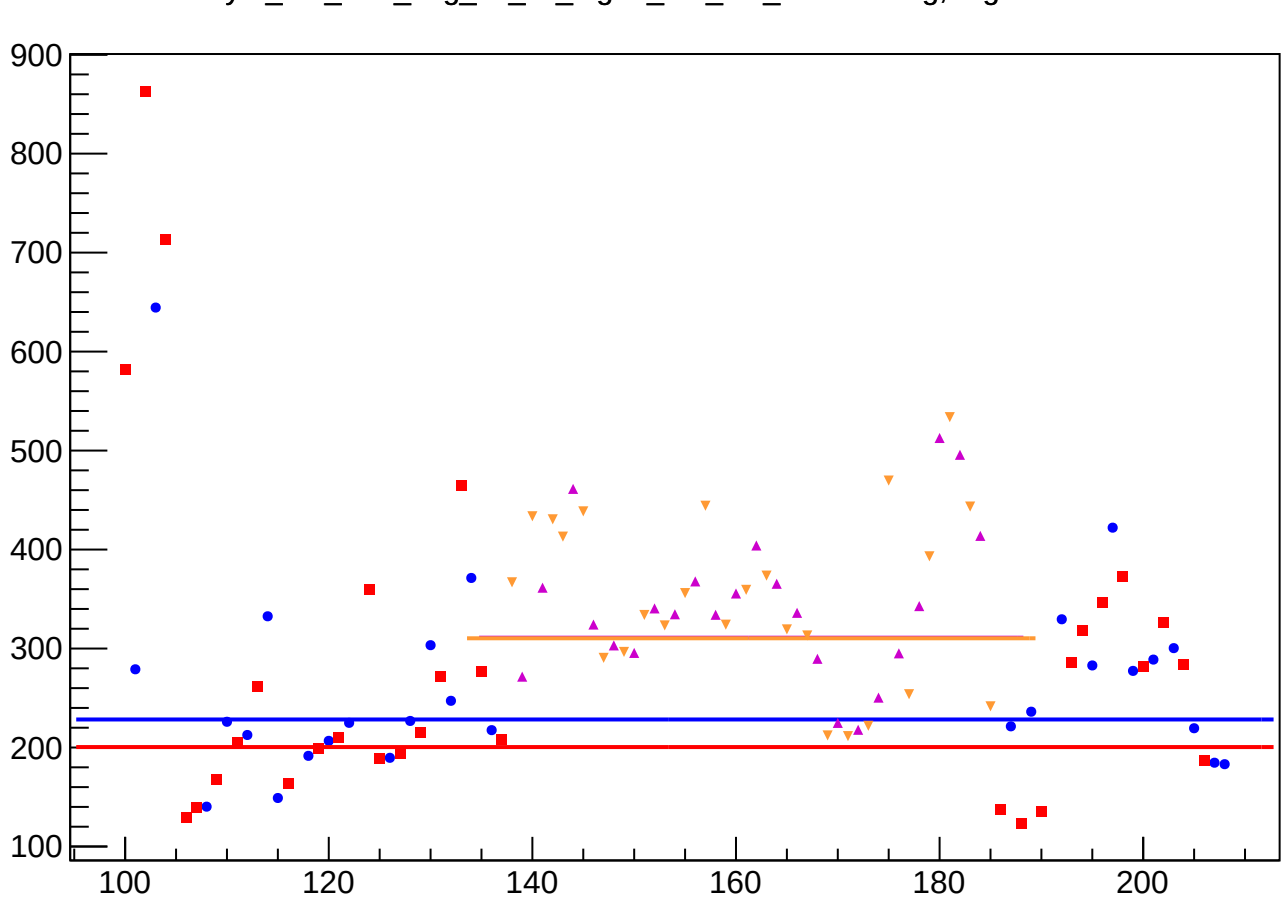
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.017+/-0.041 χ^2/NDF: 61.8/56

In: -0.042+/-0.048 χ^2/NDF:59.1/49

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.003+/-0.033 χ^2/NDF: 121.6/104



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

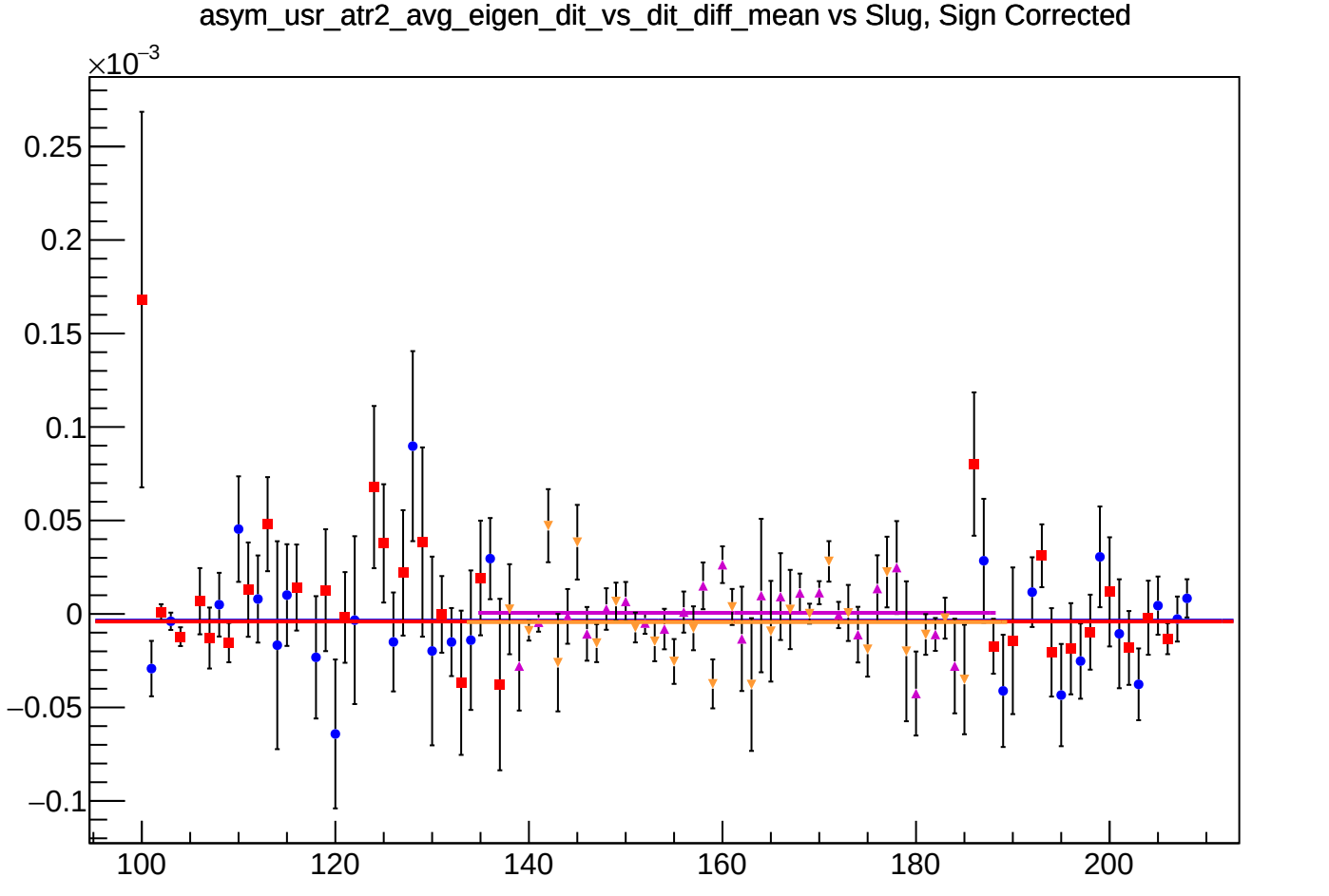
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

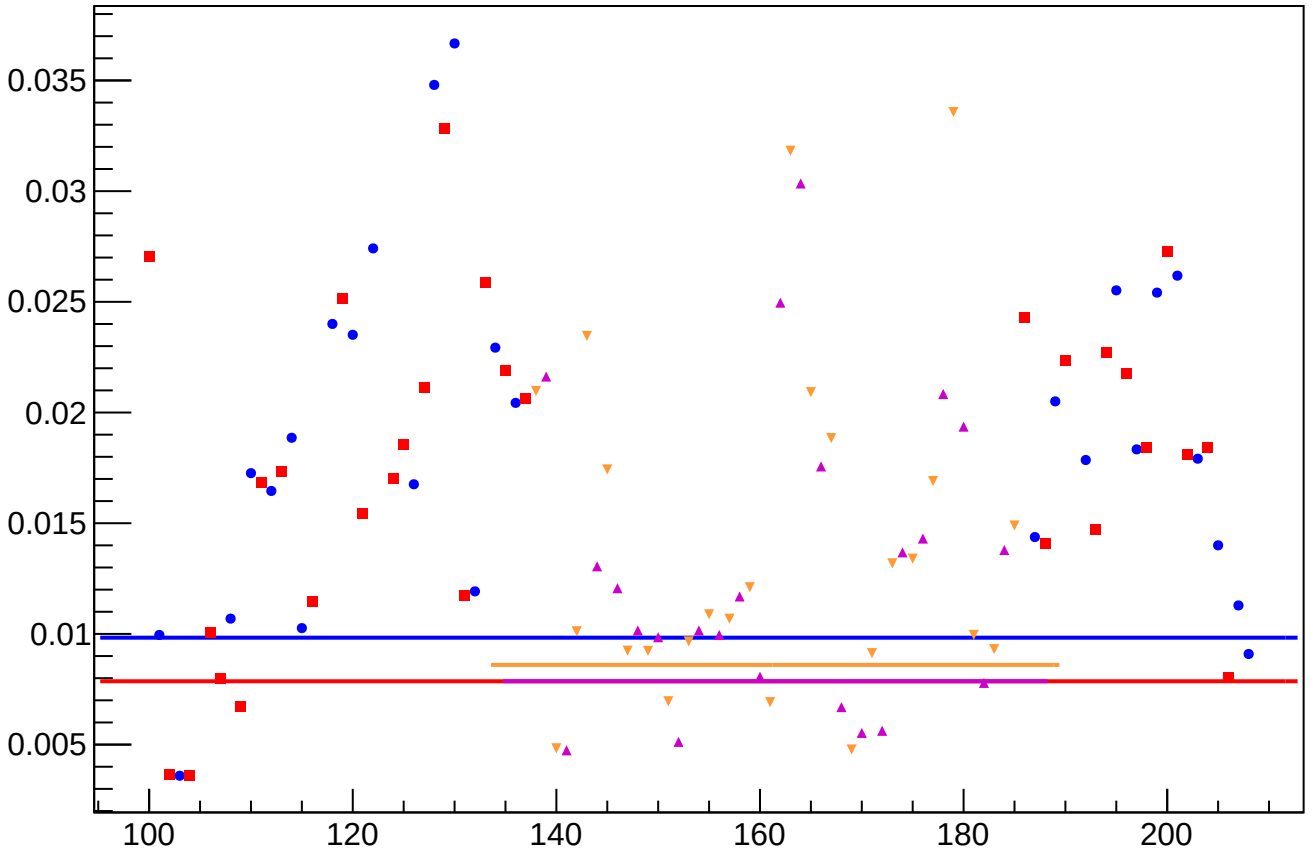
Right: 213.133+/-0.029 χ^2/NDF: 6745124.5/56

In: 260.629+/-0.034 χ^2/NDF:5211330.4/49

Out: 239.813+/-0.032 χ^2/NDF:9481730.8/54

All: 249.547+/-0.023 χ^2/NDF: 14896068.8/10


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.9/26
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.8/29
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: 63.6/56
In: -0.000+/-0.000 χ²/NDF:56.6/49
Out: -0.000+/-0.000 χ²/NDF:77.1/54
All: -0.000+/-0.000 χ²/NDF: 135.7/104



Right In: 0.010+/-0.000 χ^2/NDF: 10363548.7/26

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 12120157.5/29

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

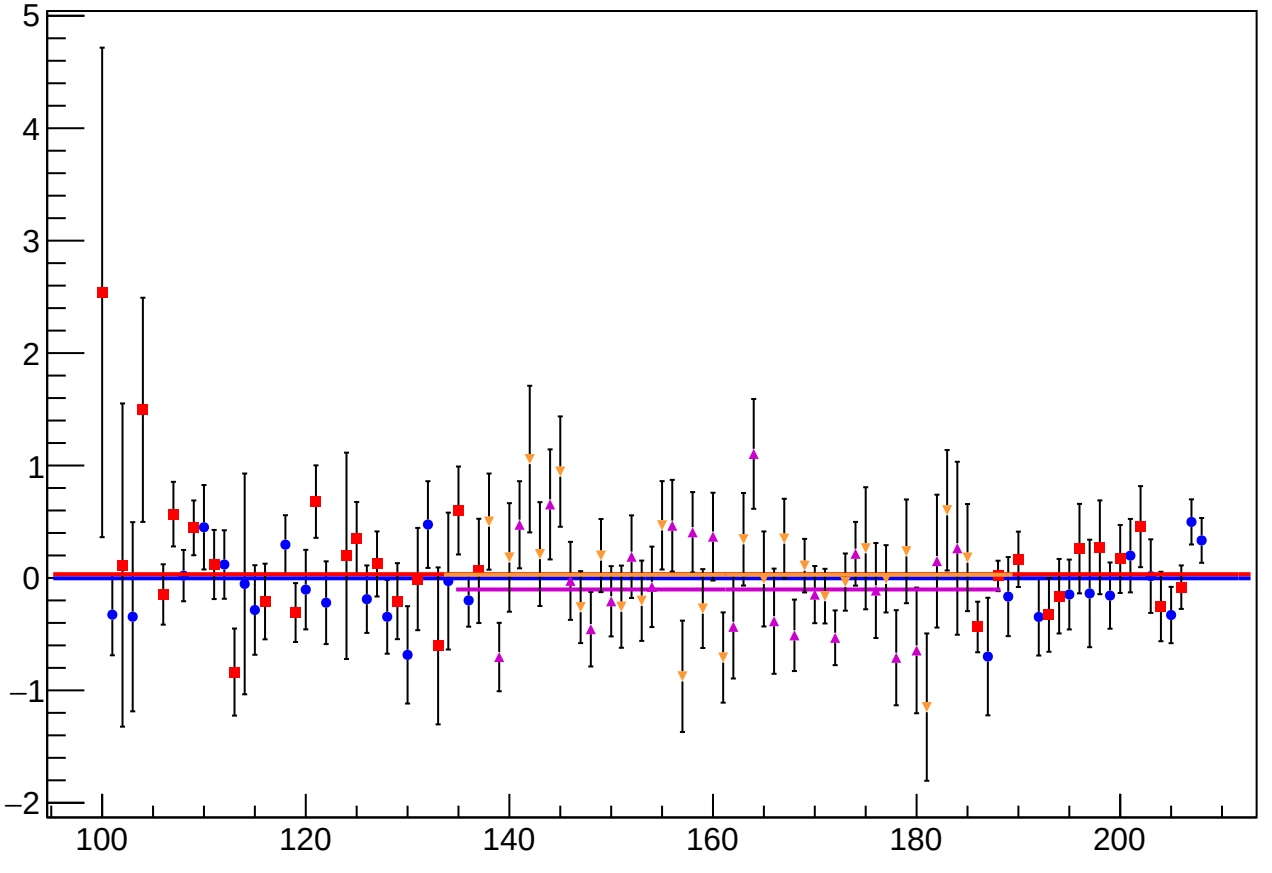
Right: 0.009+/-0.000 χ^2/NDF: 22967604.7/56

In: 0.008+/-0.000 χ^2/NDF:17689723.7/49

Out: 0.008+/-0.000 χ^2/NDF:19868755.3/54

All: 0.008+/-0.000 χ^2/NDF: 37575496.8/104

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

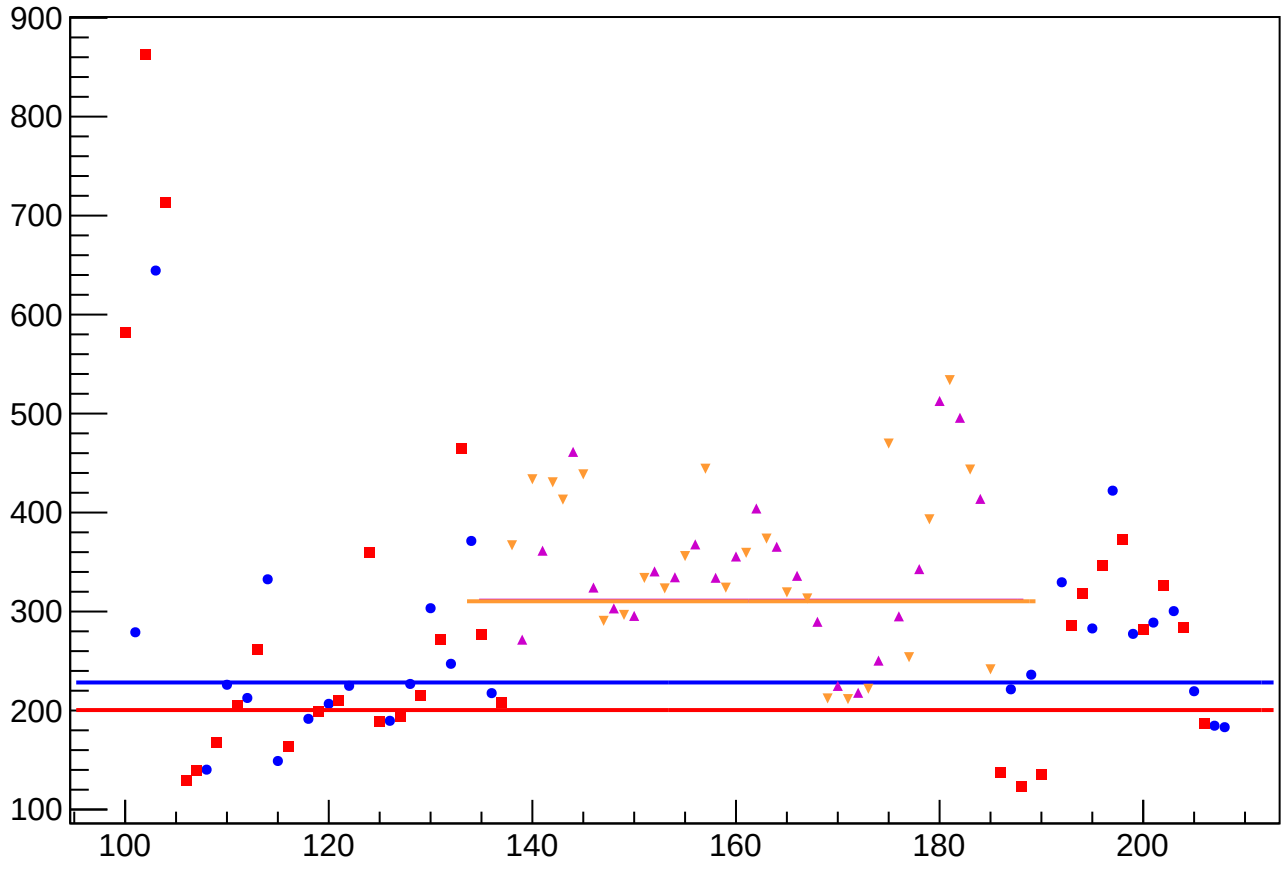
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.017+/-0.041 χ^2/NDF: 61.8/56

In: -0.042+/-0.048 χ^2/NDF:59.1/49

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.003+/-0.033 χ^2/NDF: 121.6/104



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

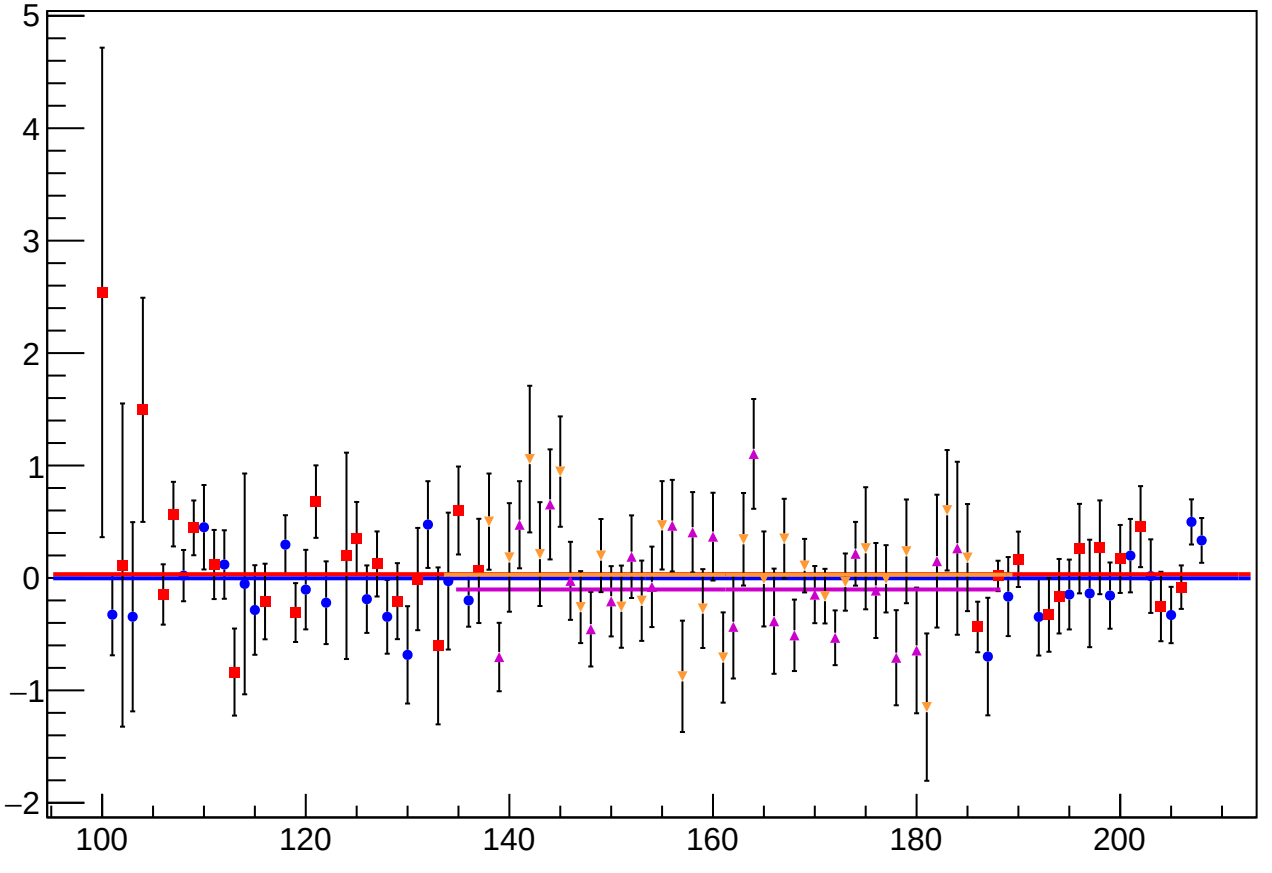
Right: 213.132+/-0.029 χ^2/NDF: 6745313.2/56

In: 260.629+/-0.034 χ^2/NDF:5211469.2/49

Out: 239.812+/-0.032 χ^2/NDF:9482216.7/54

All: 249.546+/-0.023 χ^2/NDF: 14896728.9/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

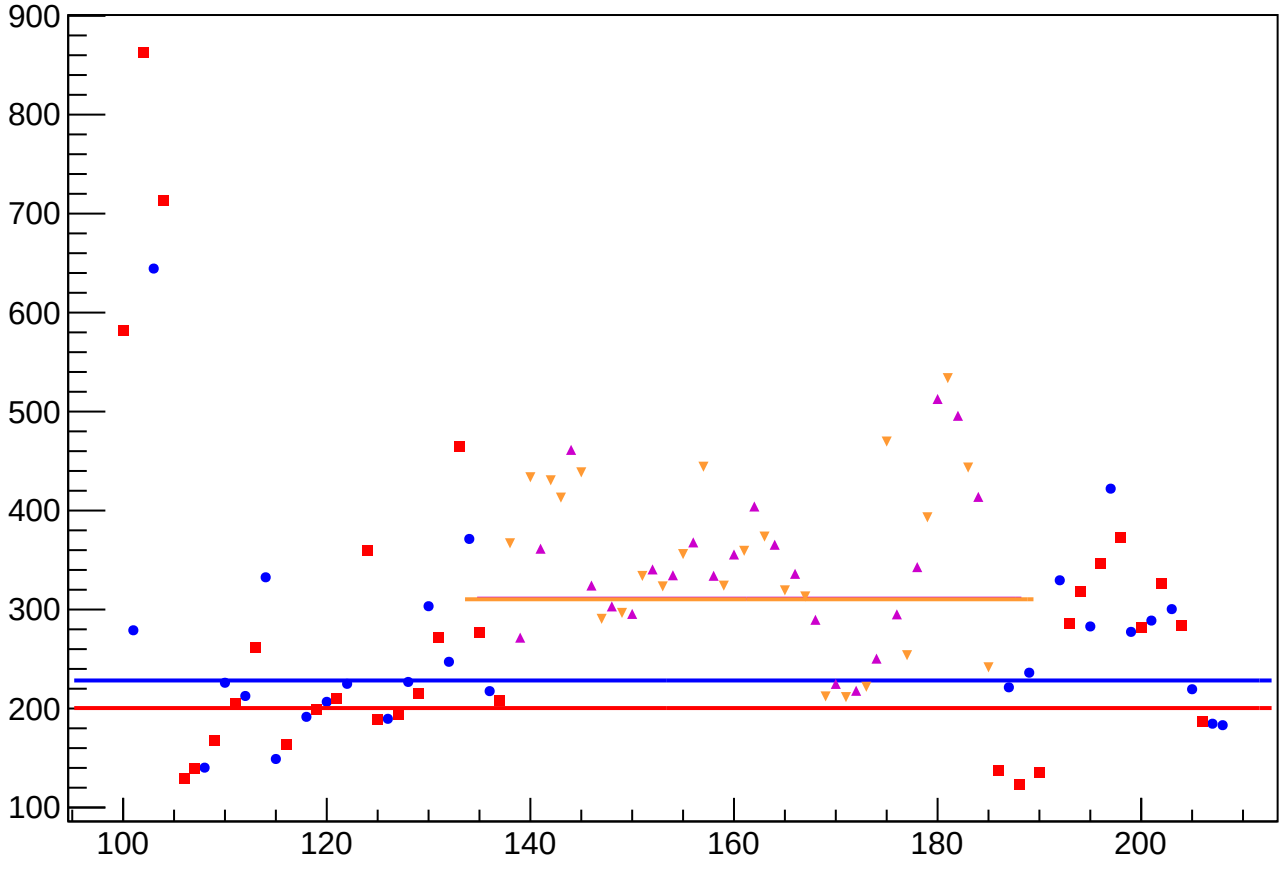
Right: 0.017+/-0.041 χ^2/NDF: 61.8/56

In: -0.042+/-0.048 χ^2/NDF:59.1/49

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.003+/-0.033 χ^2/NDF: 121.6/104

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

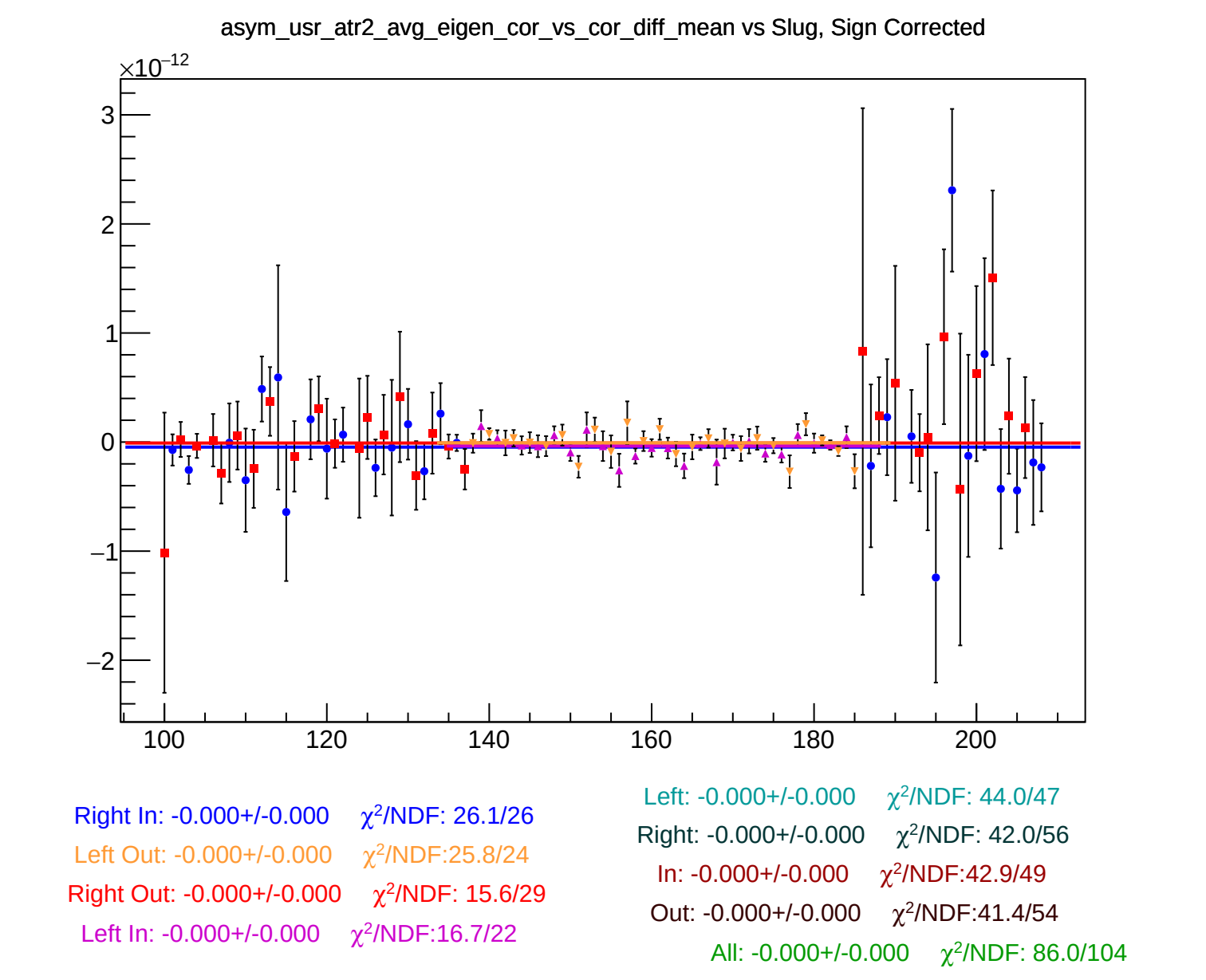
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

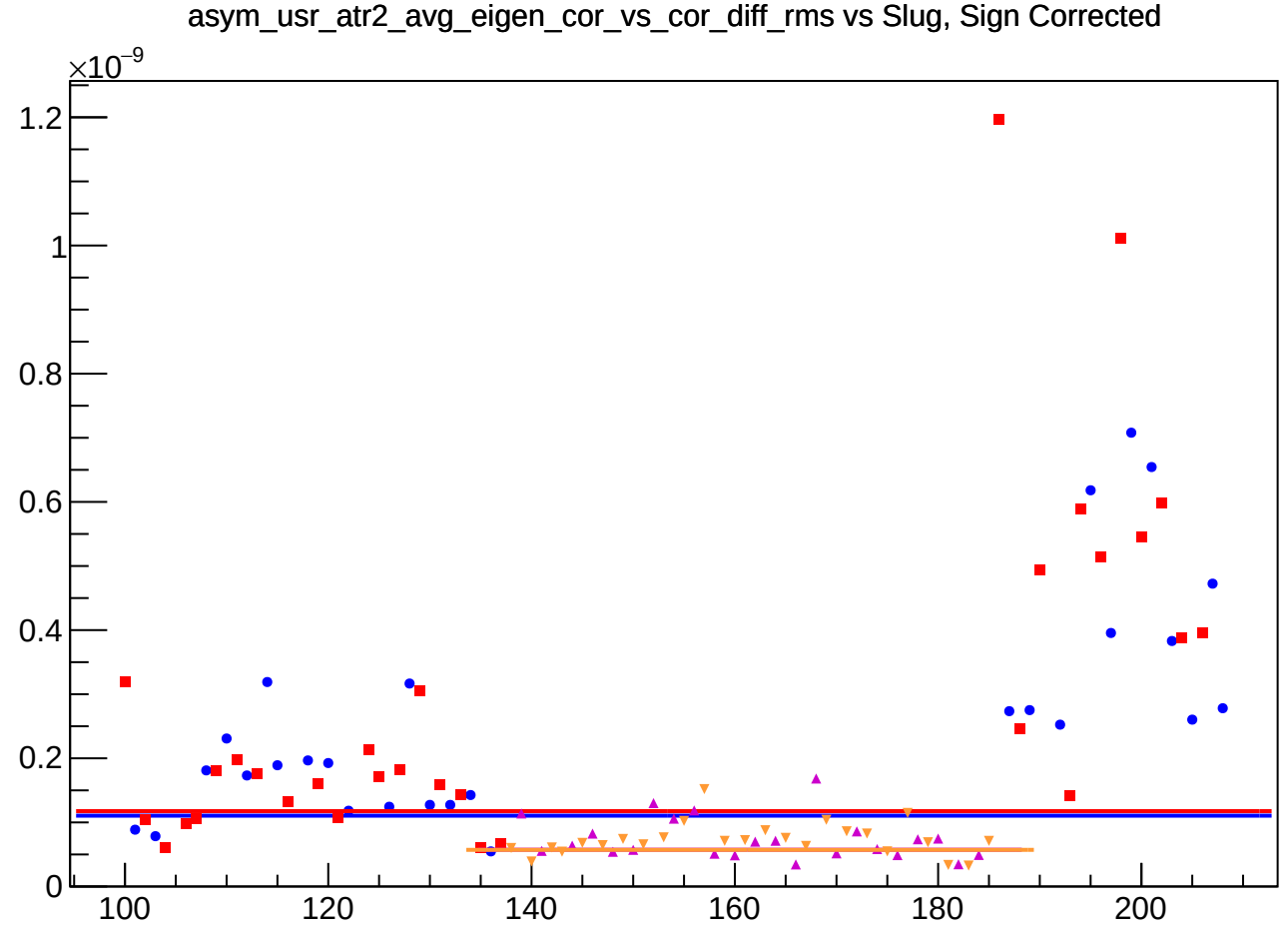
Right: 213.132+/-0.029 χ^2/NDF: 6745313.2/56

In: 260.629+/-0.034 χ^2/NDF:5211469.2/49

Out: 239.812+/-0.032 χ^2/NDF:9482216.7/54

All: 249.546+/-0.023 χ^2/NDF: 14896728.9/10


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.1/26
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/29
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: 42.0/56
In: -0.000+/-0.000 χ²/NDF:42.9/49
Out: -0.000+/-0.000 χ²/NDF:41.4/54
All: -0.000+/-0.000 χ²/NDF: 86.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 7039980.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7387498.4/29

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

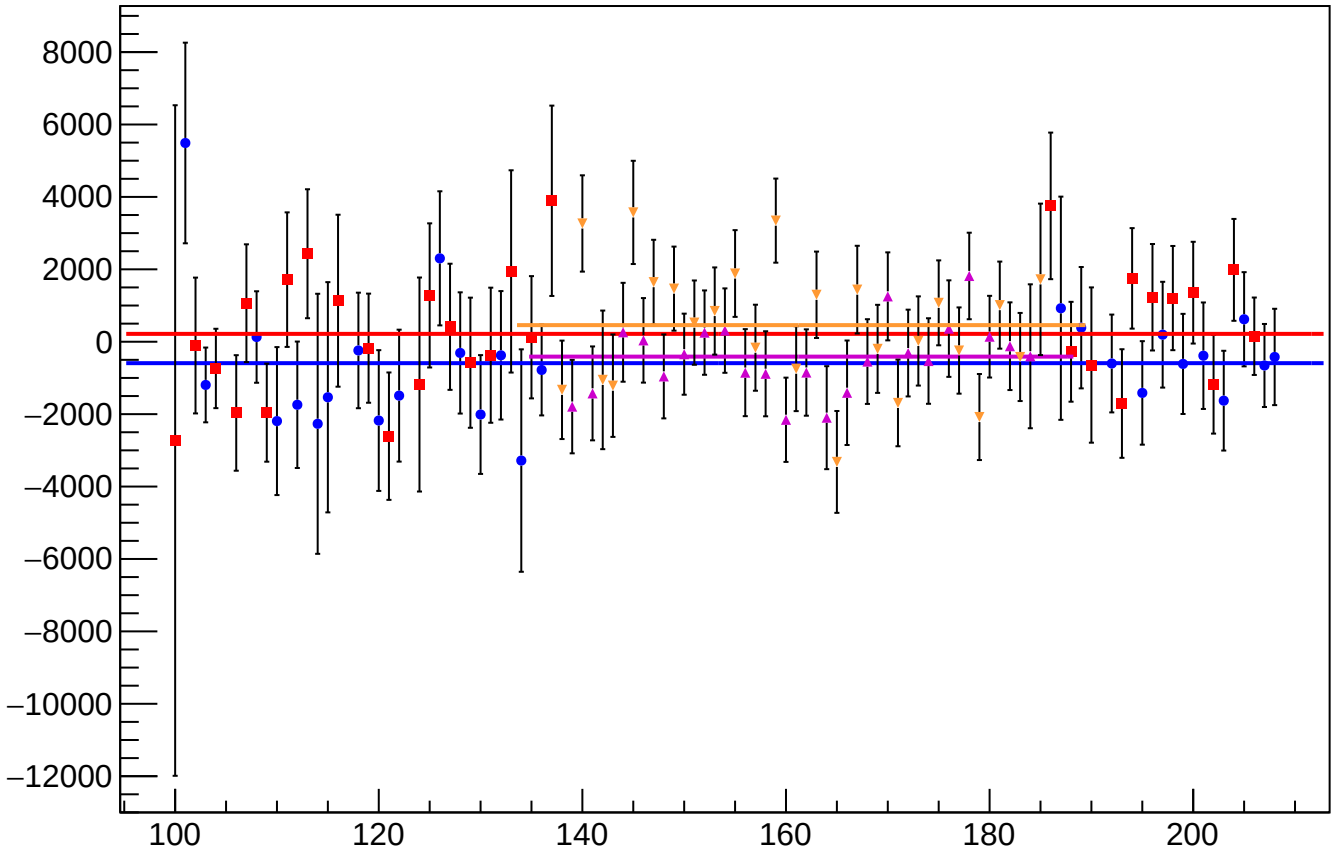
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14448570.2/56

In: 0.000+/-0.000 χ^2/NDF:12514091.1/49

Out: 0.000+/-0.000 χ^2/NDF:13346269.5/54

All: 0.000+/-0.000 χ^2/NDF: 25860395.2/104



Right In: -591.731+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 217.256+/-298.423 χ^2/NDF: 24.2/29

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

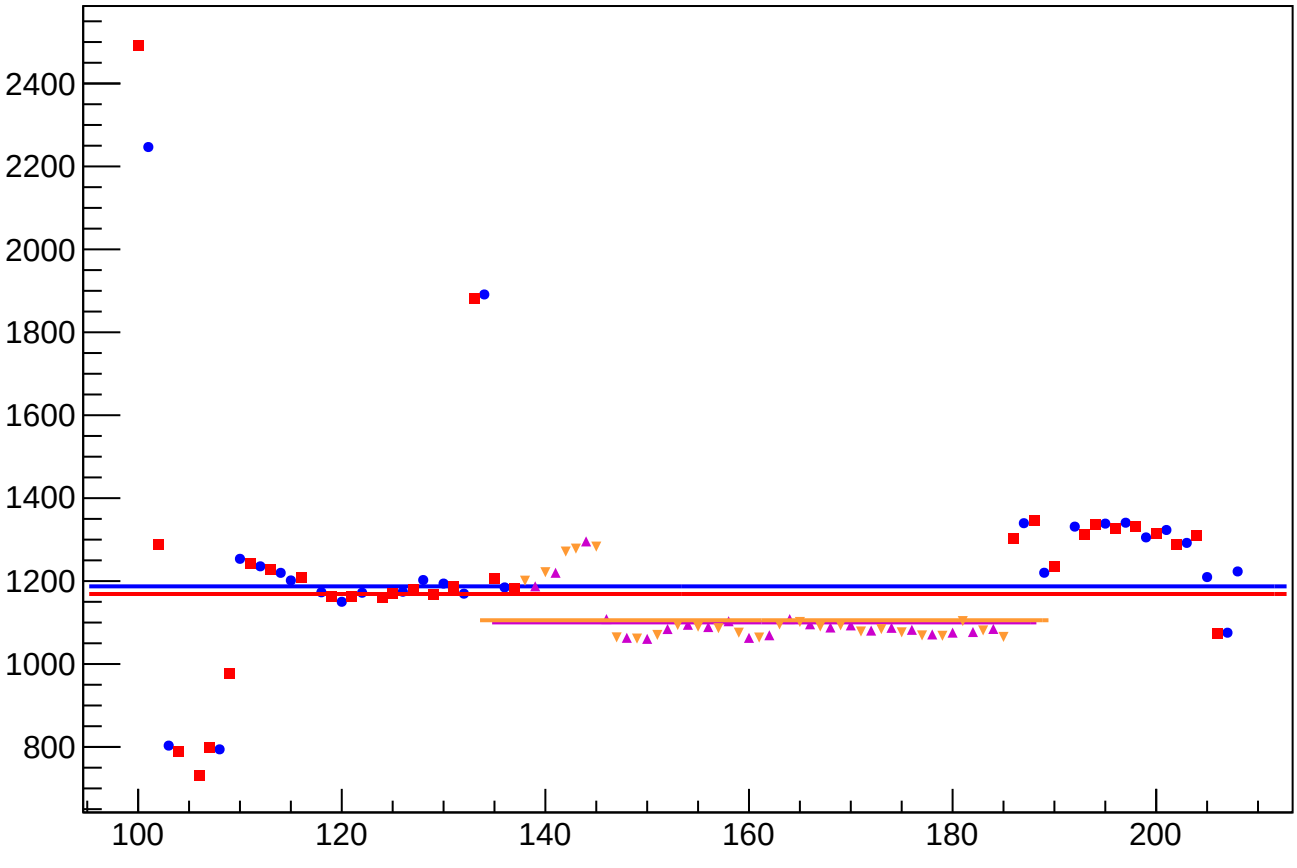
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -180.665+/-212.724 χ^2/NDF: 42.3/56

In: -486.750+/-196.167 χ^2/NDF:28.4/49

Out: 358.461+/-192.330 χ^2/NDF:66.7/54

All: -55.796+/-137.334 χ^2/NDF: 104.5/104



Right In: 1187.290+/-0.214 χ^2/NDF: 1010063.4/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1168.876+/-0.210 χ^2/NDF: 969602.7/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

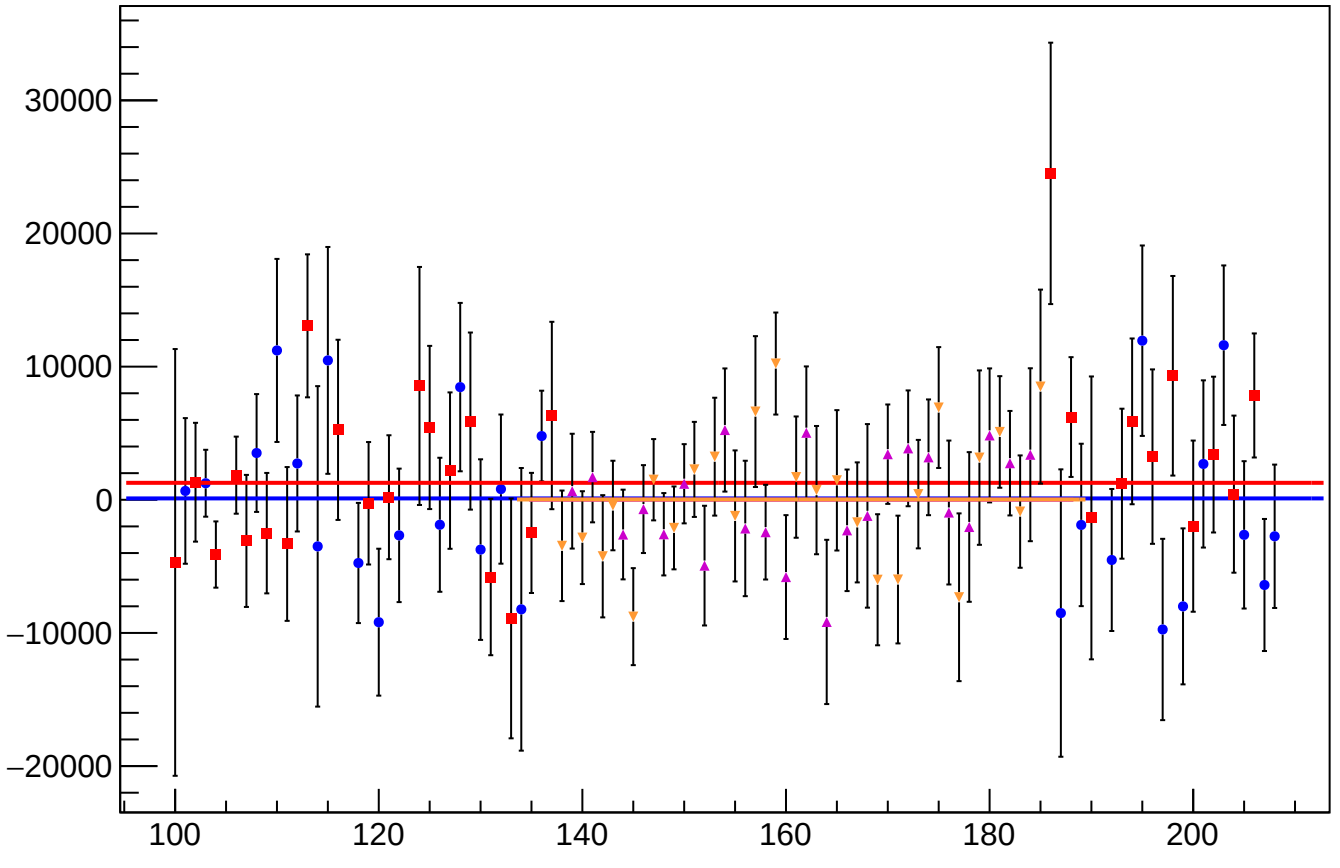
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1177.893+/-0.150 χ^2/NDF: 1983427.9/56

In: 1136.716+/-0.139 χ^2/NDF:1185891.1/49

Out: 1131.988+/-0.136 χ^2/NDF:1144476.9/54

All: 1134.301+/-0.097 χ^2/NDF: 2330961.4/10



Right In: 103.371+/-1020.634 χ^2/NDF: 28.7/26

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1273.962+/-952.916 χ^2/NDF: 28.9/29

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

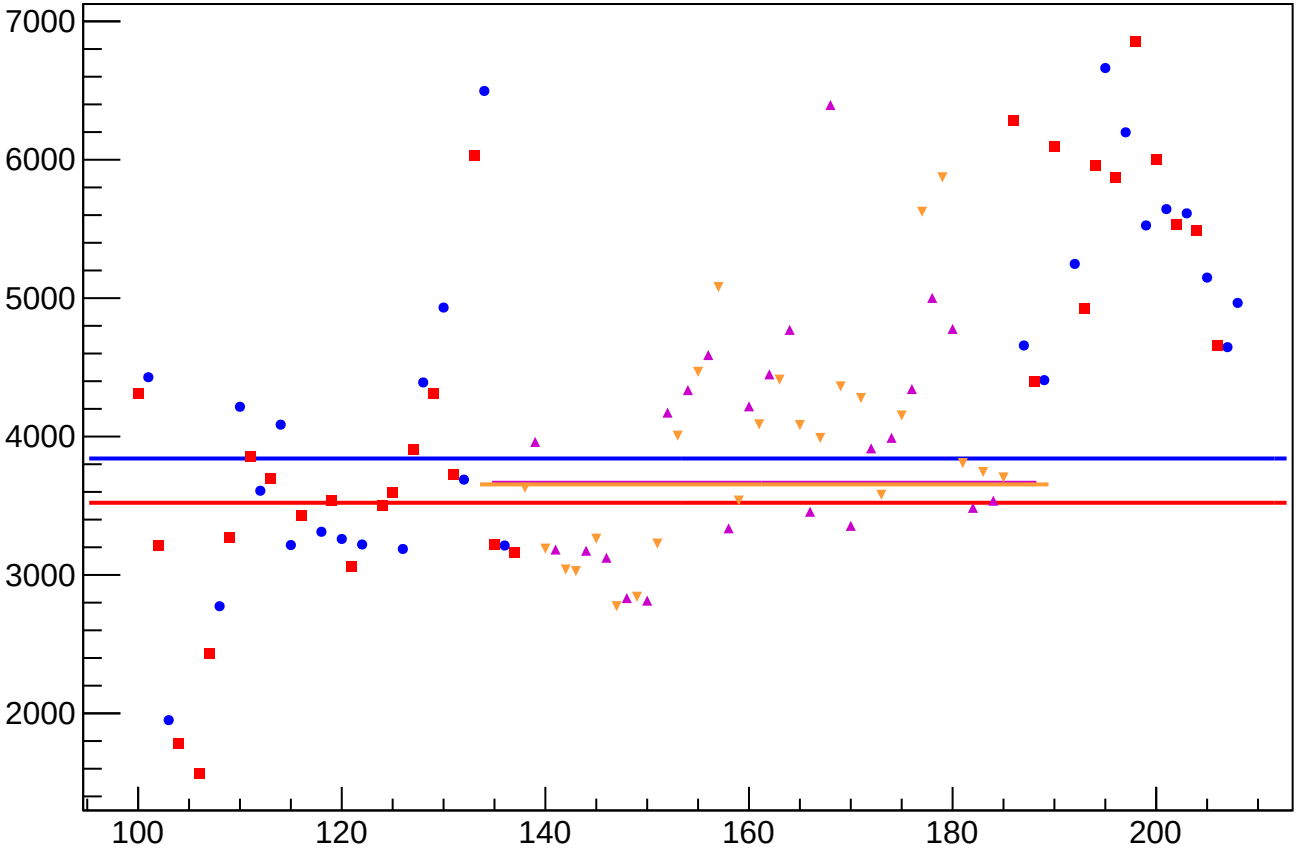
Right: 728.786+/-696.524 χ^2/NDF: 58.3/56

In: 47.445+/-664.407 χ^2/NDF:42.7/49

Out: 577.802+/-634.485 χ^2/NDF:58.4/54

All: 324.835+/-458.862 χ^2/NDF: 101.4/104

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3841.453+/-0.722 χ^2/NDF: 3144407.0/26

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3521.589+/-0.674 χ^2/NDF: 4555682.8/29

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

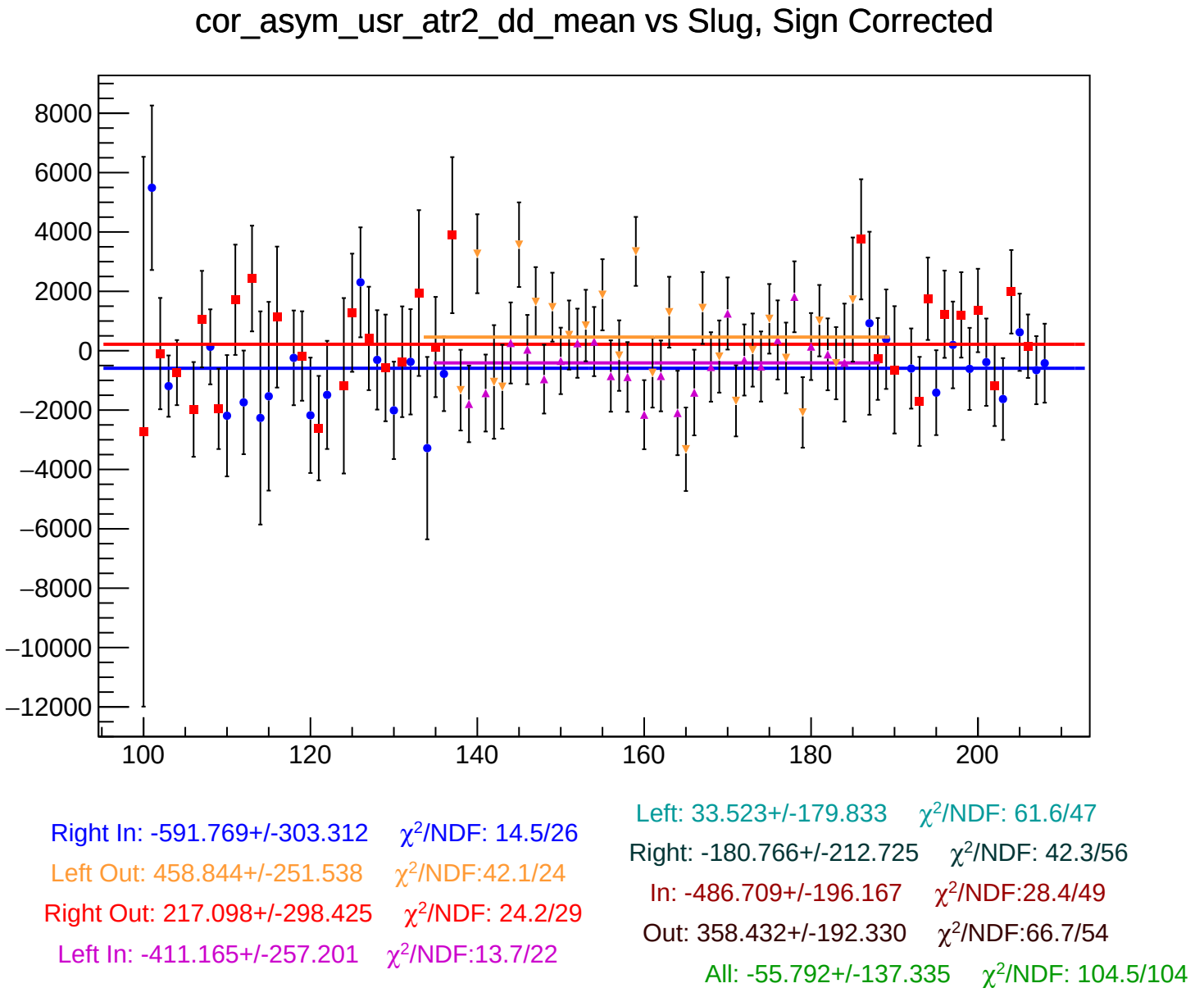
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

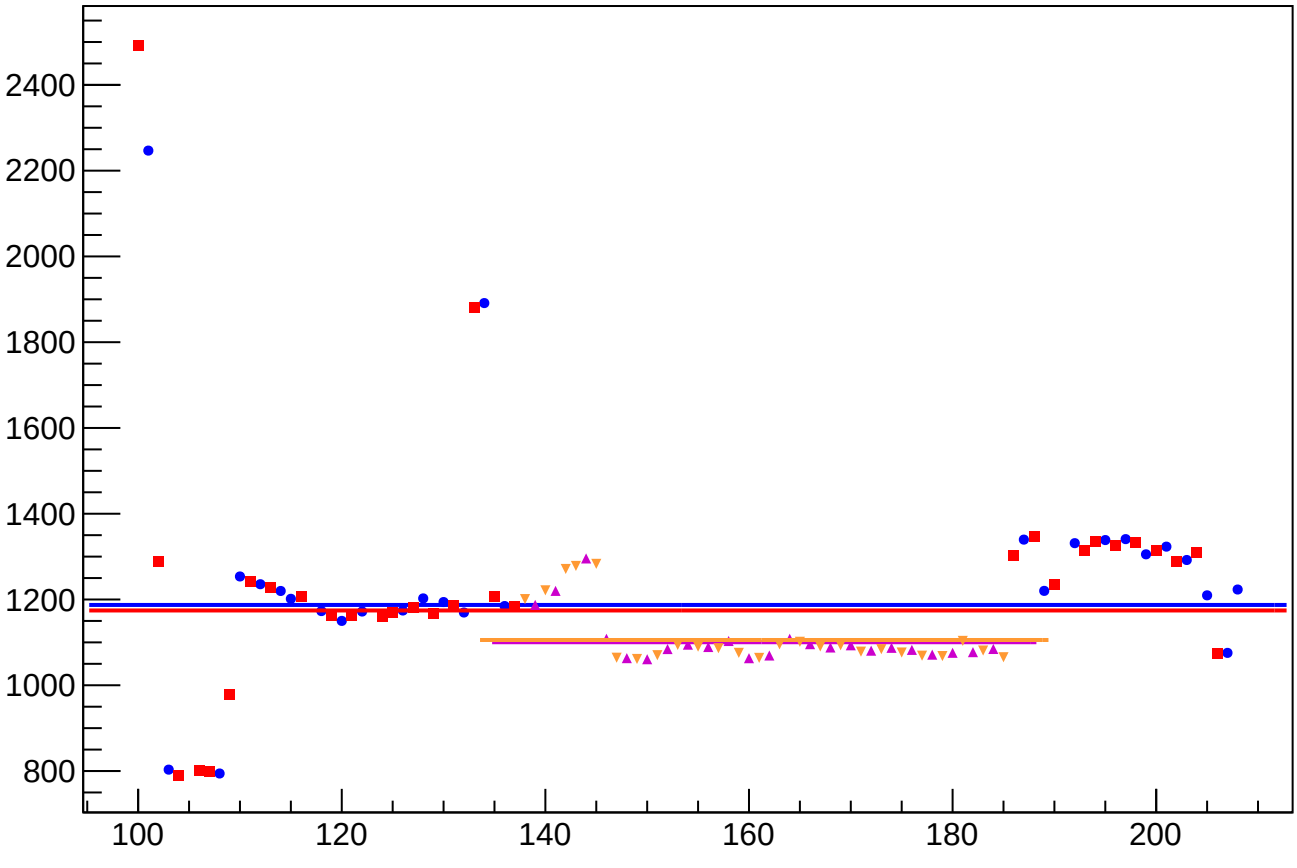
Right: 3670.558+/-0.493 χ^2/NDF: 7805040.3/56

In: 3740.419+/-0.470 χ^2/NDF:4522127.8/49

Out: 3595.407+/-0.449 χ^2/NDF:5889004.9/54

All: 3664.574+/-0.324 χ^2/NDF: 10460962.8/1


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -591.769+/-303.312 χ²/NDF: 14.5/26
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 217.098+/-298.425 χ²/NDF: 24.2/29
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -180.766+/-212.725 χ²/NDF: 42.3/56
In: -486.709+/-196.167 χ²/NDF:28.4/49
Out: 358.432+/-192.330 χ²/NDF:66.7/54
All: -55.792+/-137.335 χ²/NDF: 104.5/104



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

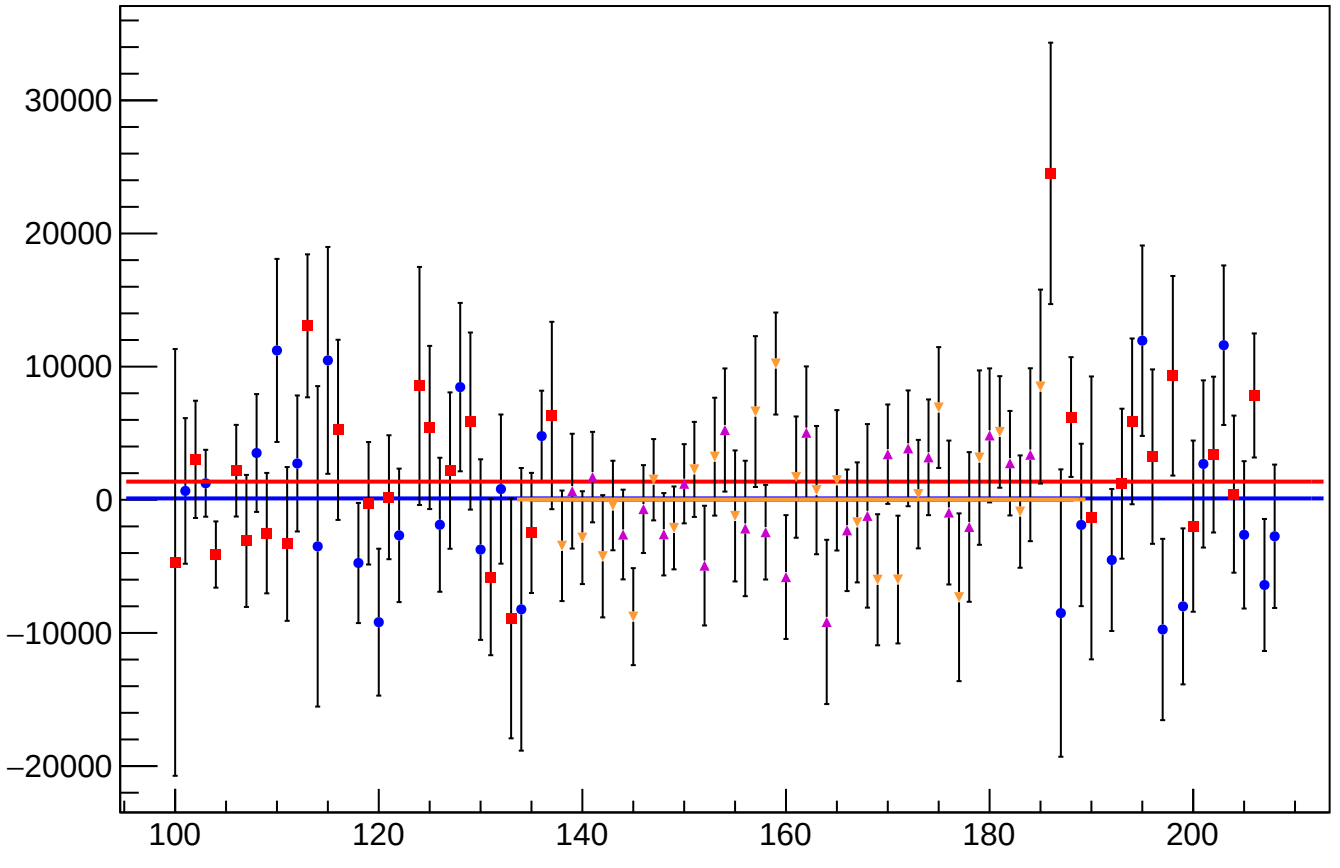
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1180.737+/-0.150 χ^2/NDF: 1905131.8/56

In: 1136.716+/-0.139 χ^2/NDF:1185887.3/49

Out: 1134.183+/-0.136 χ^2/NDF:1077510.9/54

All: 1135.424+/-0.097 χ^2/NDF: 2263568.3/10



Right In: 102.939+/-1020.662 χ^2/NDF: 28.7/26

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1364.796+/-967.809 χ^2/NDF: 29.1/29

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

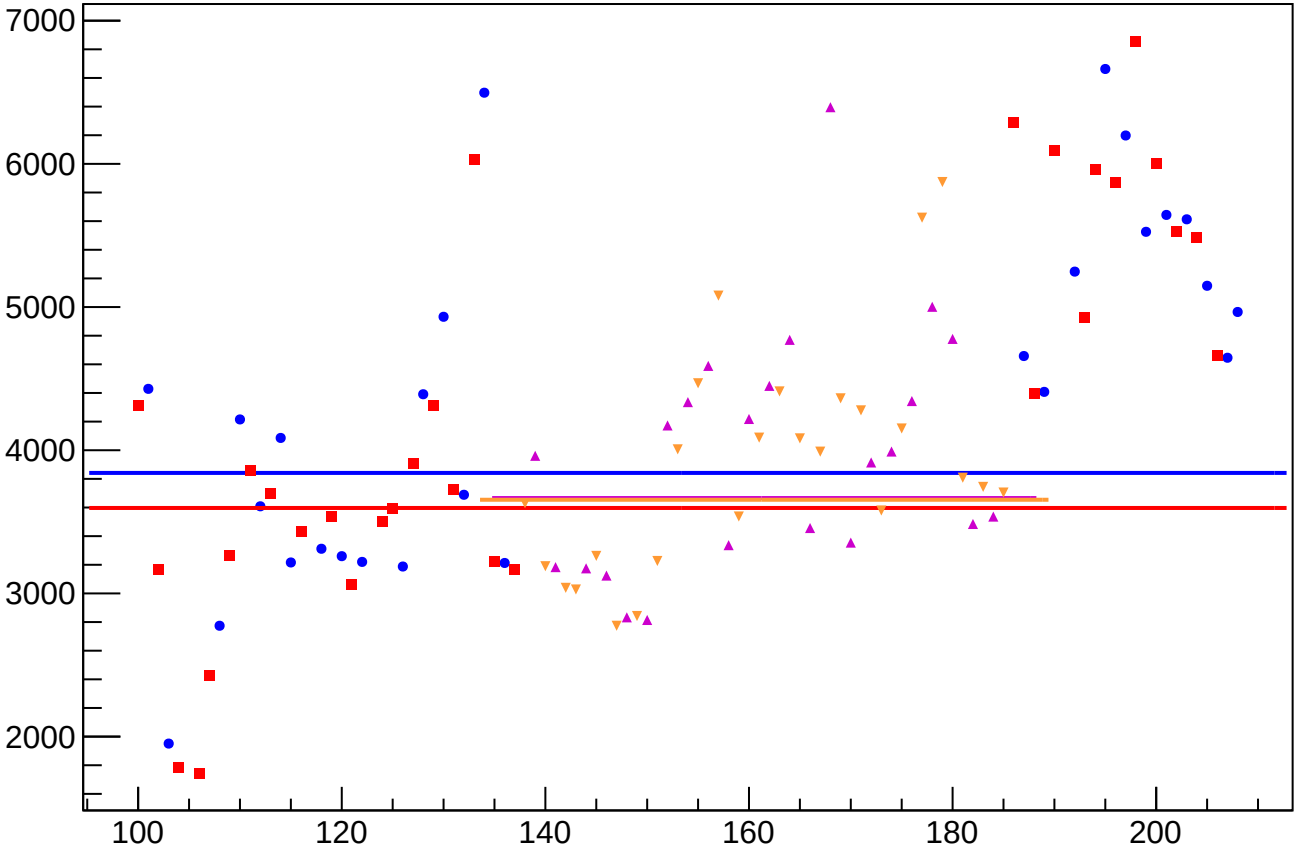
Right: 767.384+/-702.286 χ^2/NDF: 58.6/56

In: 47.290+/-664.414 χ^2/NDF:42.7/49

Out: 607.821+/-638.824 χ^2/NDF:58.7/54

All: 338.558+/-460.498 χ^2/NDF: 101.7/104

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3841.616+/-0.722 χ^2/NDF: 3143595.2/26

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

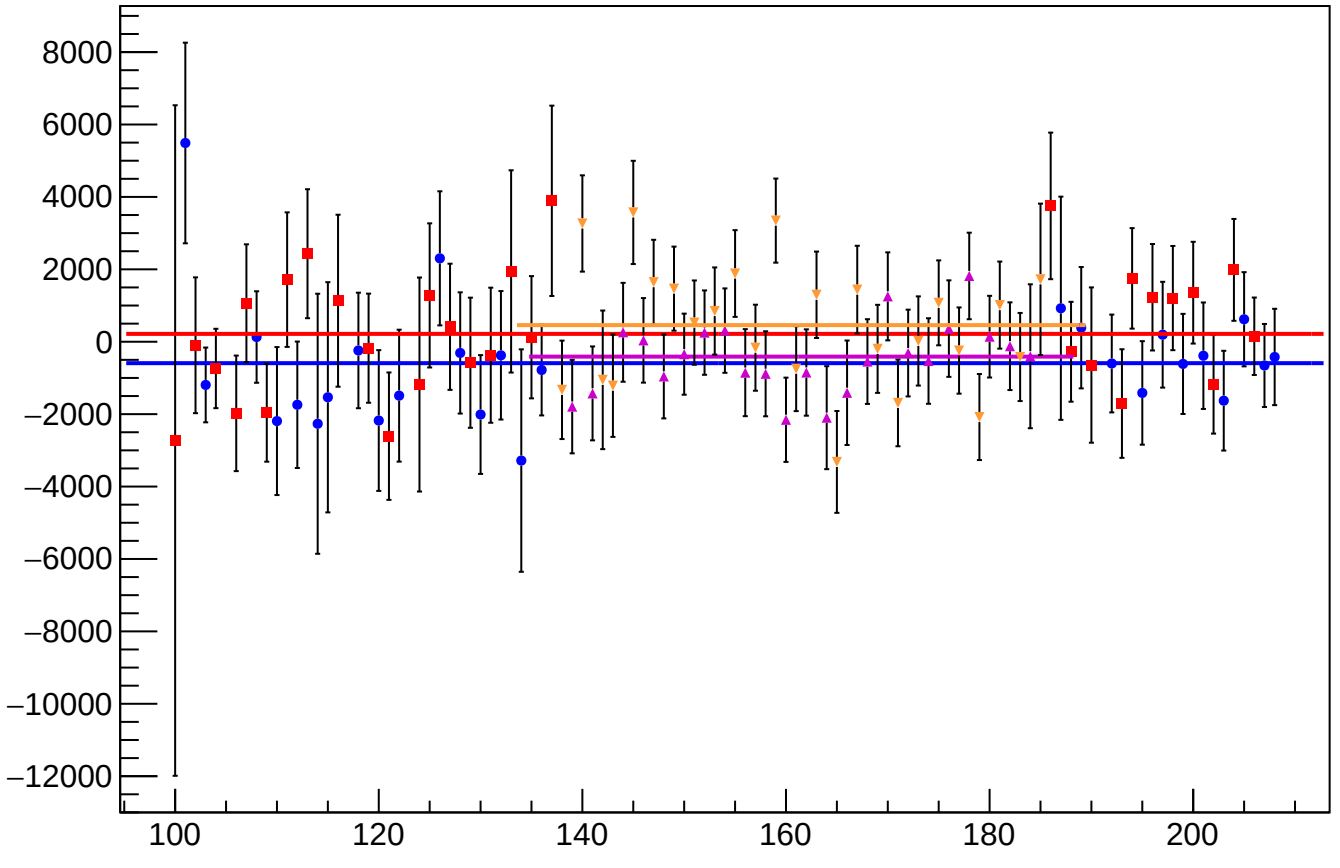
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3712.717+/-0.497 χ^2/NDF: 7371981.8/56

In: 3740.484+/-0.470 χ^2/NDF:4521381.7/49

Out: 3629.198+/-0.452 χ^2/NDF:5483544.6/54

All: 3682.657+/-0.326 χ^2/NDF: 10034081.8/1



Right In: -591.769+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 217.098+/-298.425 χ^2/NDF: 24.2/29

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

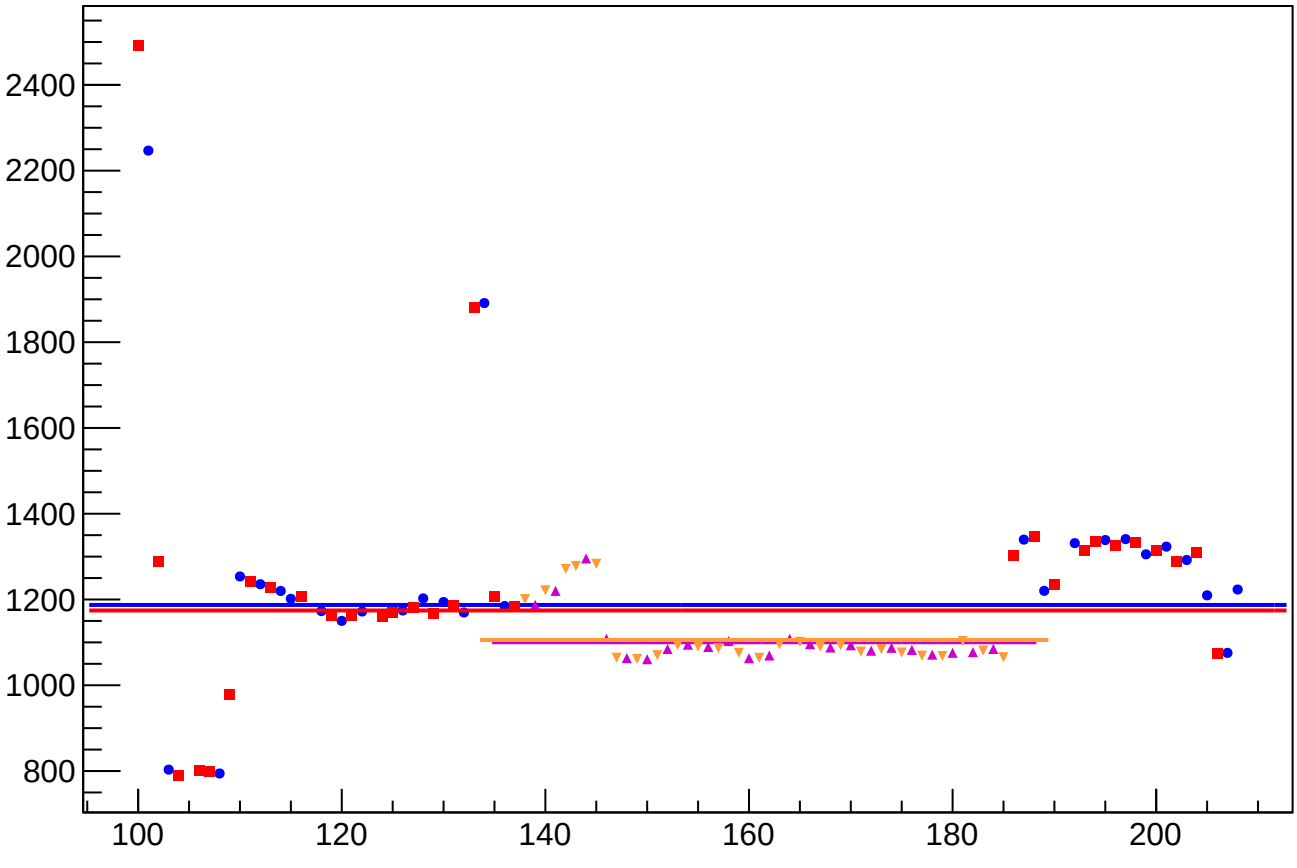
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -180.766+/-212.725 χ^2/NDF: 42.3/56

In: -486.709+/-196.167 χ^2/NDF:28.4/49

Out: 358.432+/-192.330 χ^2/NDF:66.7/54

All: -55.792+/-137.335 χ^2/NDF: 104.5/104



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

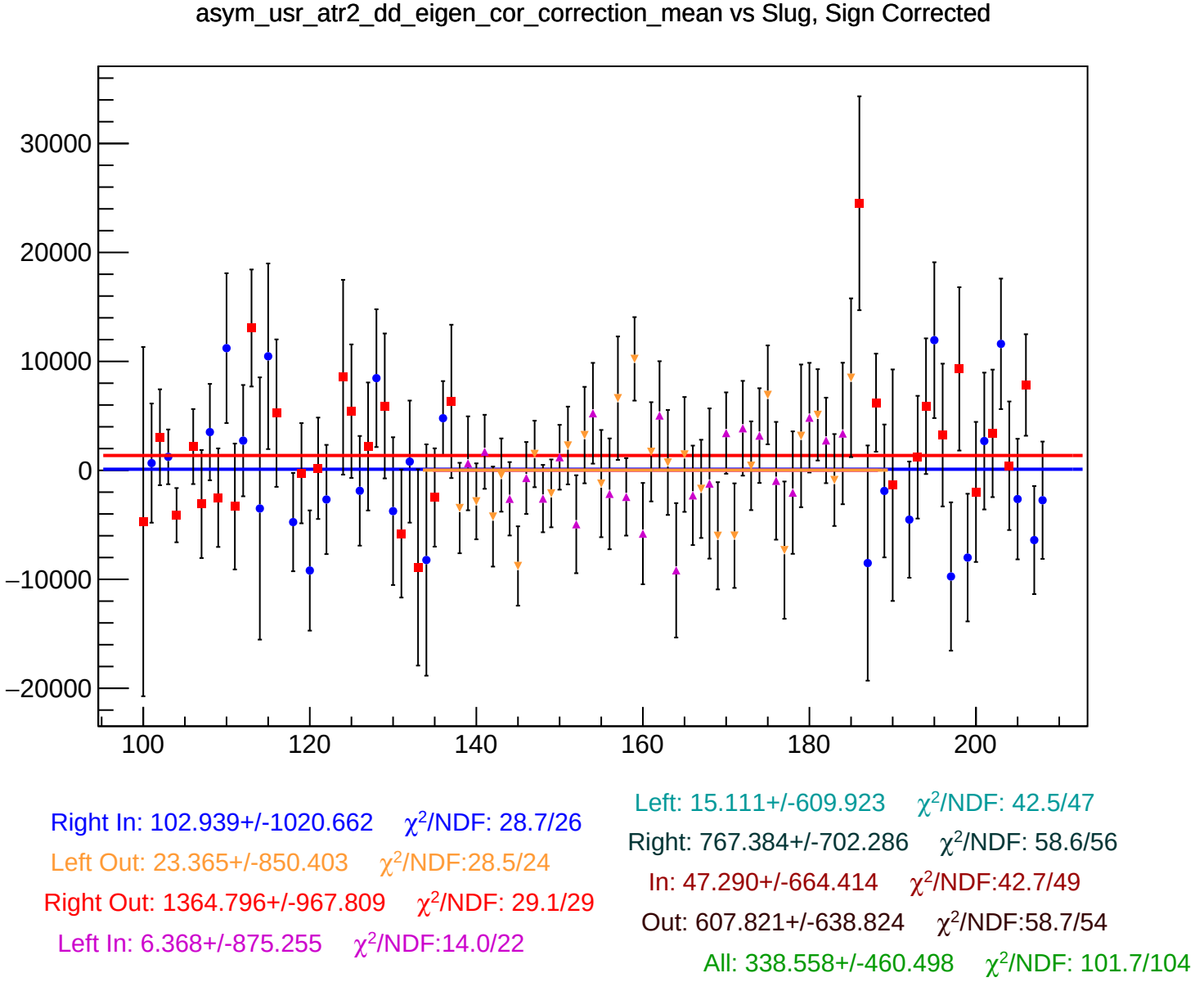
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

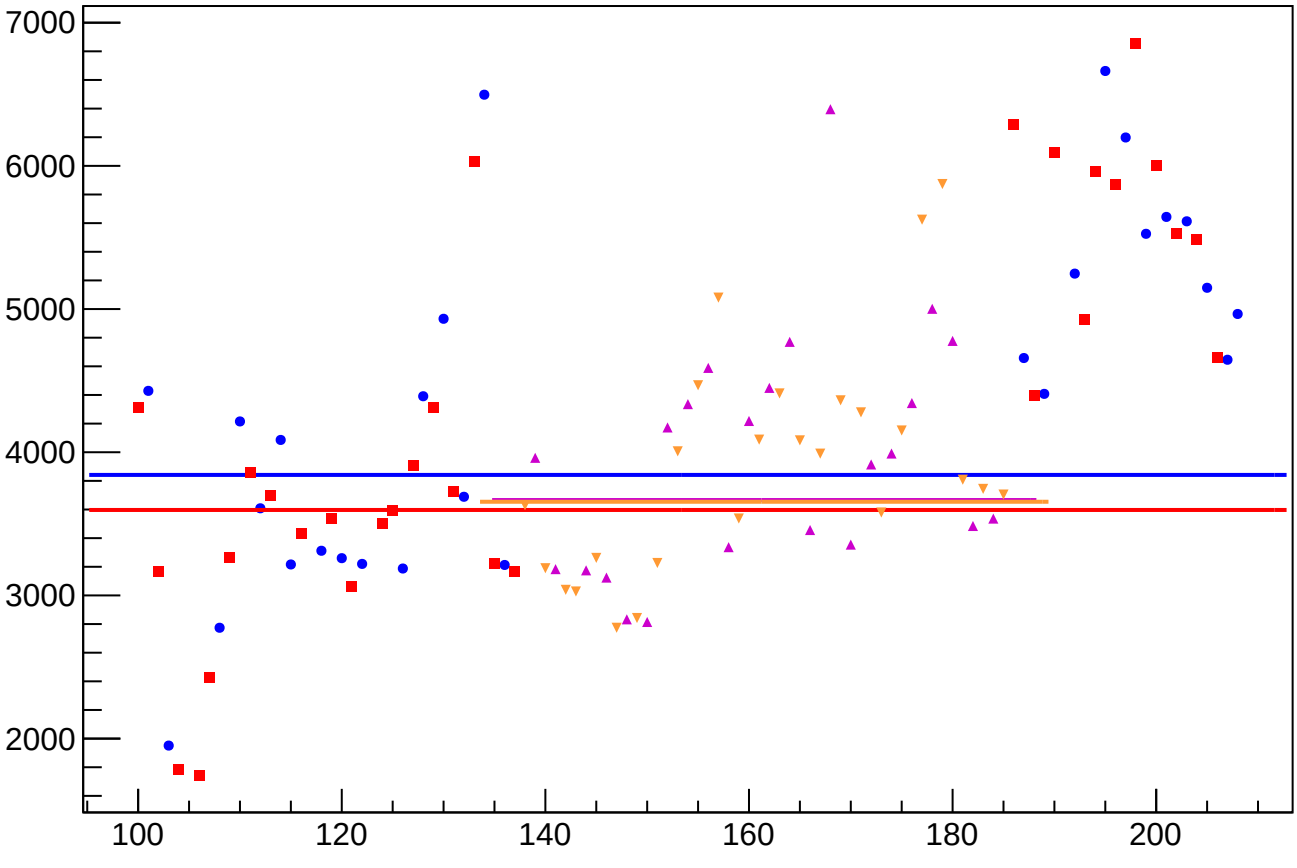
Right: 1180.737+/-0.150 χ^2/NDF: 1905131.8/56

In: 1136.716+/-0.139 χ^2/NDF:1185887.3/49

Out: 1134.183+/-0.136 χ^2/NDF:1077510.9/54

All: 1135.424+/-0.097 χ^2/NDF: 2263568.3/10


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 102.939+/-1020.662 χ²/NDF: 28.7/26
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1364.796+/-967.809 χ²/NDF: 29.1/29
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 767.384+/-702.286 χ²/NDF: 58.6/56
In: 47.290+/-664.414 χ²/NDF:42.7/49
Out: 607.821+/-638.824 χ²/NDF:58.7/54
All: 338.558+/-460.498 χ²/NDF: 101.7/104


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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120
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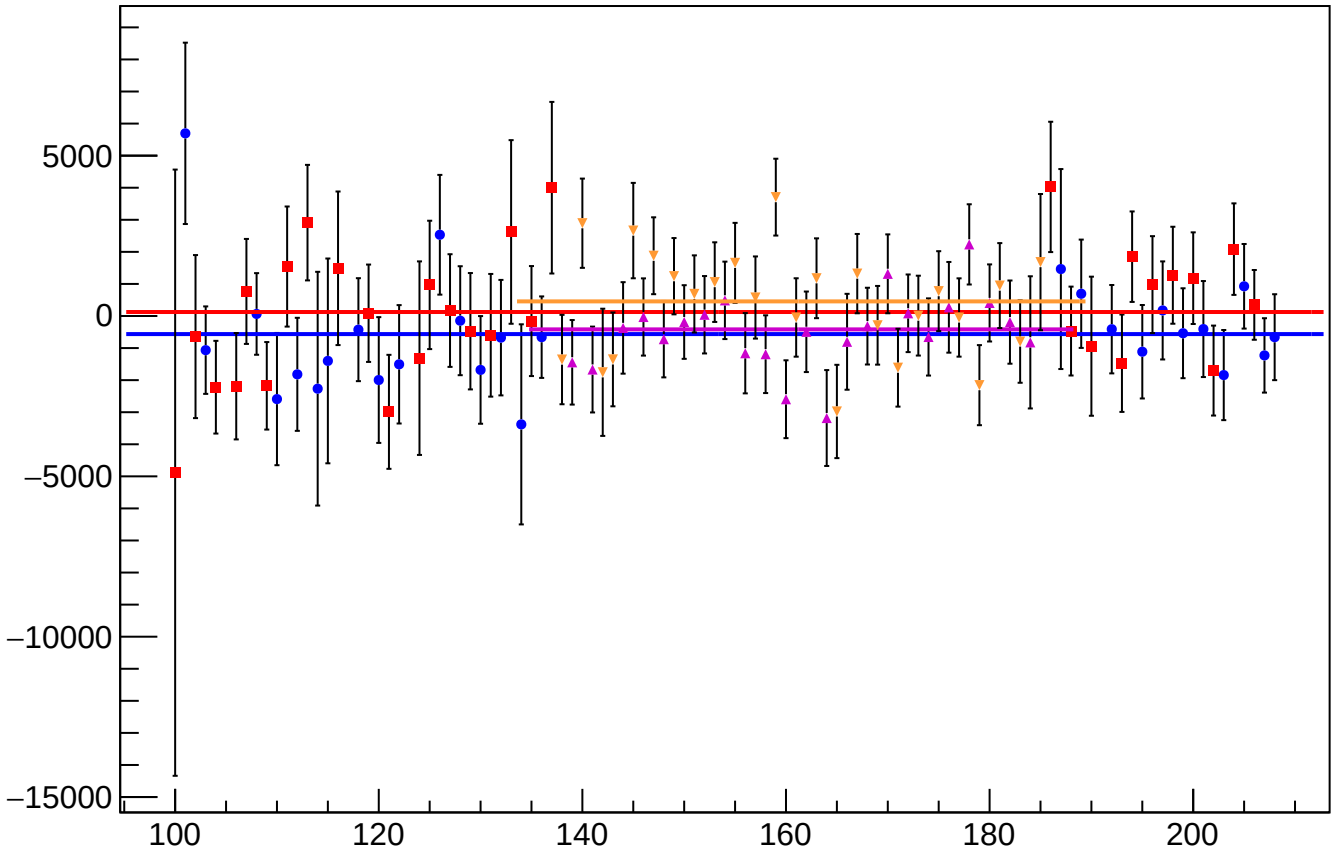
160
180
200
Right In: 3841.616+/-0.722 χ²/NDF: 3143595.2/26
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3596.823+/-0.684 χ²/NDF: 4167809.1/29
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3712.717+/-0.497 χ²/NDF: 7371981.8/56
In: 3740.484+/-0.470 χ²/NDF:4521381.7/49
Out: 3629.198+/-0.452 χ²/NDF:5483544.6/54
All: 3682.657+/-0.326 χ²/NDF: 10034081.8/1



Right In: -563.914+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 124.411+/-309.772 χ^2/NDF: 29.6/29

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

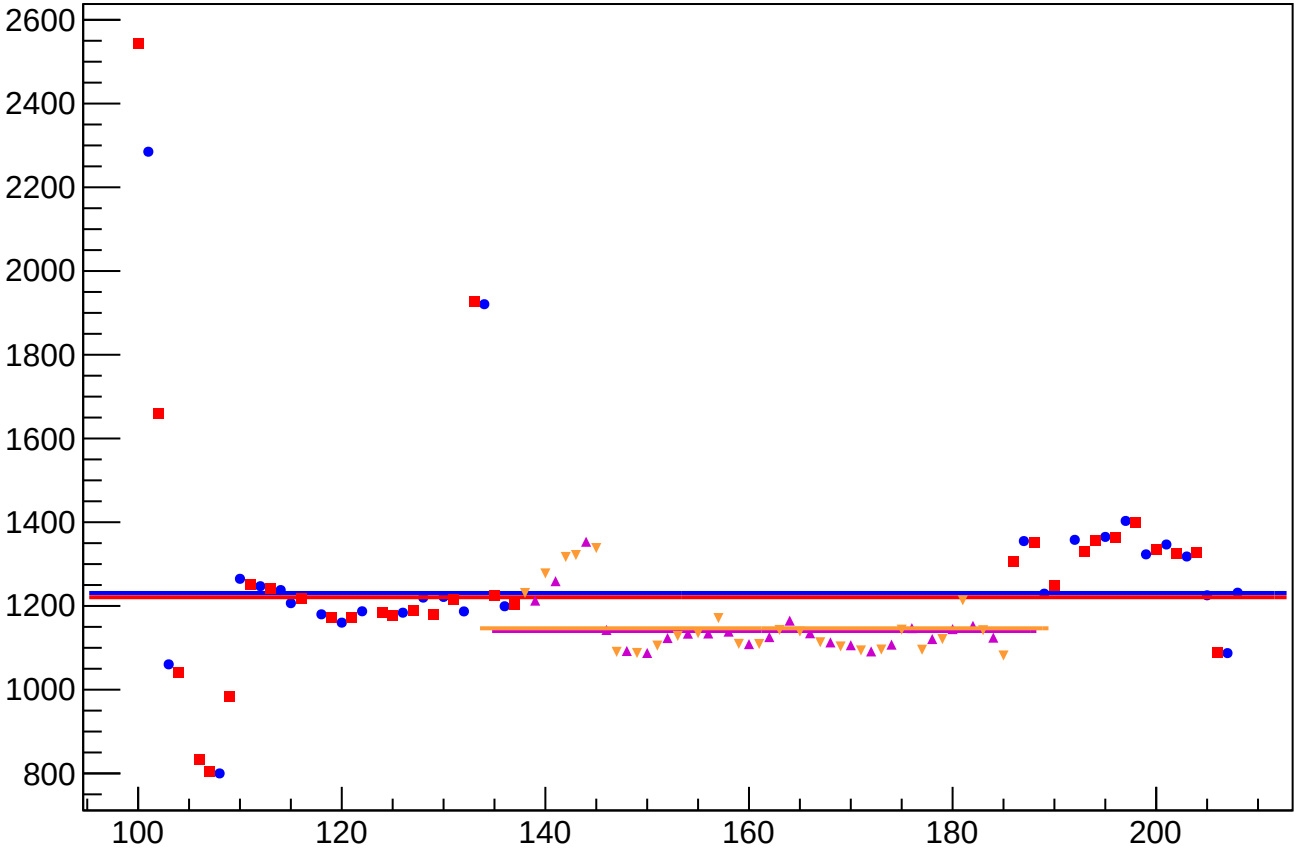
Right: -215.849+/-220.280 χ^2/NDF: 47.8/56

In: -478.814+/-203.032 χ^2/NDF:33.2/49

Out: 318.162+/-199.600 χ^2/NDF:66.4/54

All: -73.533+/-142.336 χ^2/NDF: 107.5/104

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1231.002+/-0.222 χ^2/NDF: 768180.9/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1220.816+/-0.219 χ^2/NDF: 720853.4/29

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

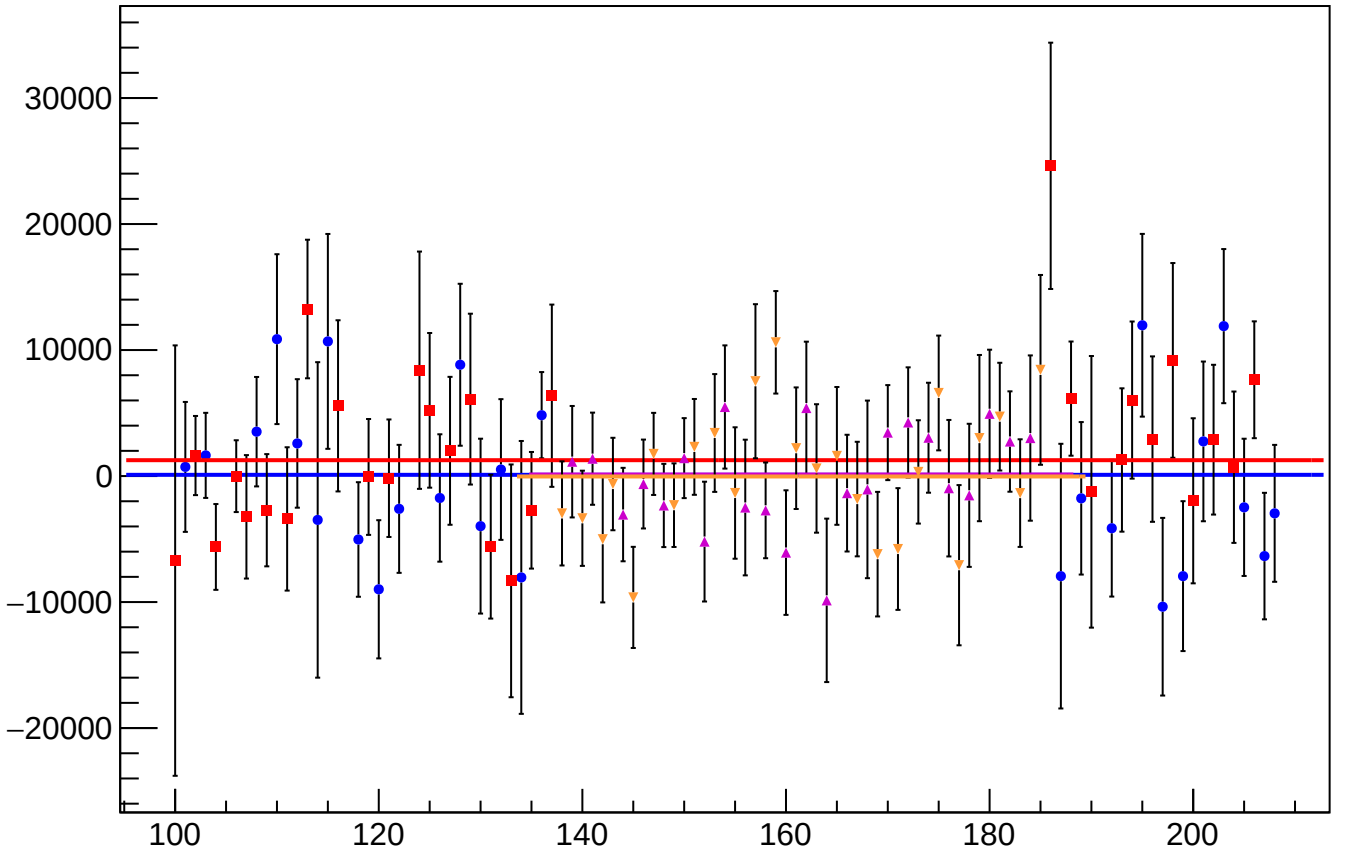
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1225.850+/-0.156 χ^2/NDF: 1490103.5/56

In: 1178.313+/-0.144 χ^2/NDF:950429.8/49

Out: 1177.429+/-0.141 χ^2/NDF:929000.5/54

All: 1177.864+/-0.101 χ^2/NDF: 1879449.6/10



Right In: 96.964+/-1062.273 χ^2/NDF: 28.5/26

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 1258.950+/-965.665 χ^2/NDF: 28.3/29

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

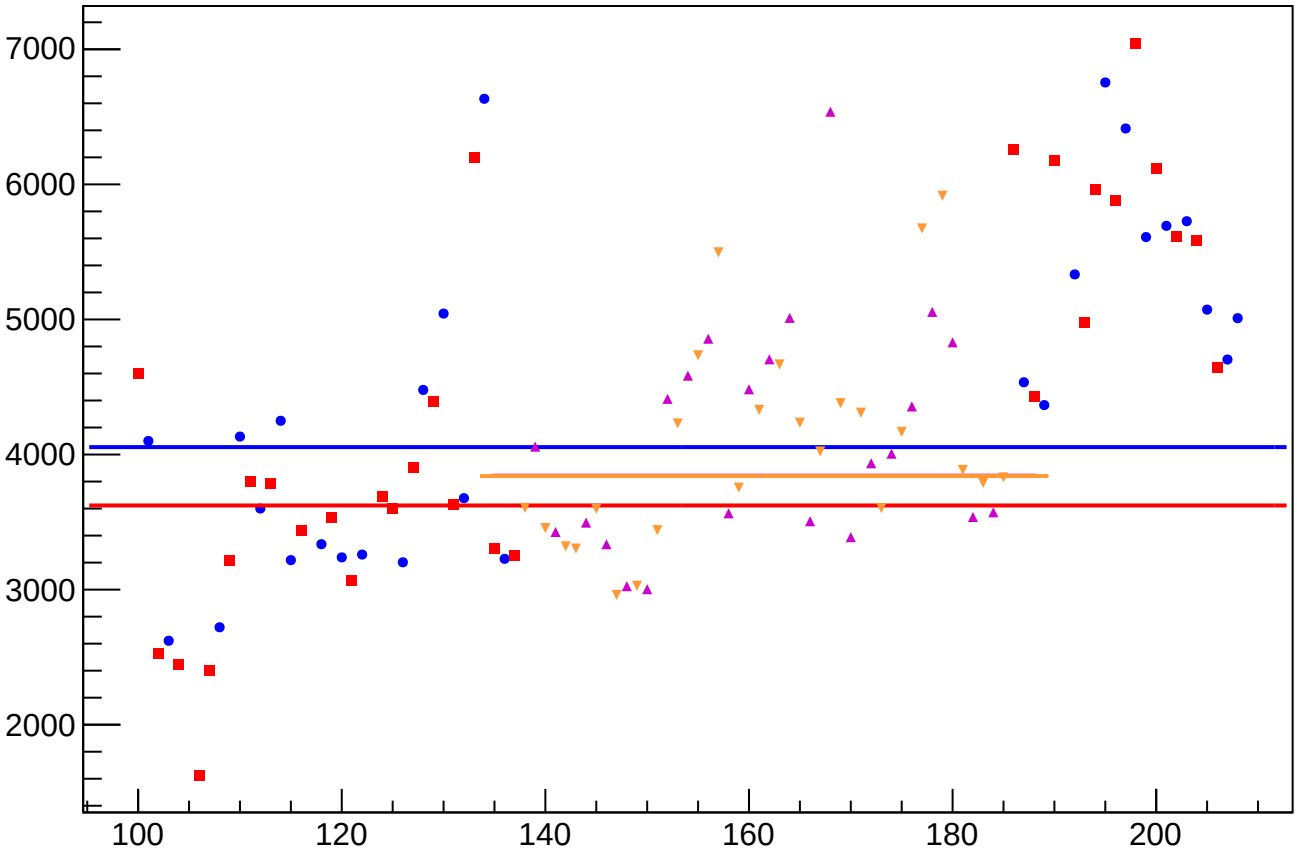
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 733.187+/-714.547 χ^2/NDF: 57.4/56

In: 110.783+/-693.583 χ^2/NDF:42.2/49

Out: 561.074+/-654.986 χ^2/NDF:57.0/54

All: 348.806+/-476.206 χ^2/NDF: 99.5/104



Right In: 4055.005+/-0.751 χ^2/NDF: 2280856.6/26

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3622.944+/-0.683 χ^2/NDF: 4023235.1/29

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

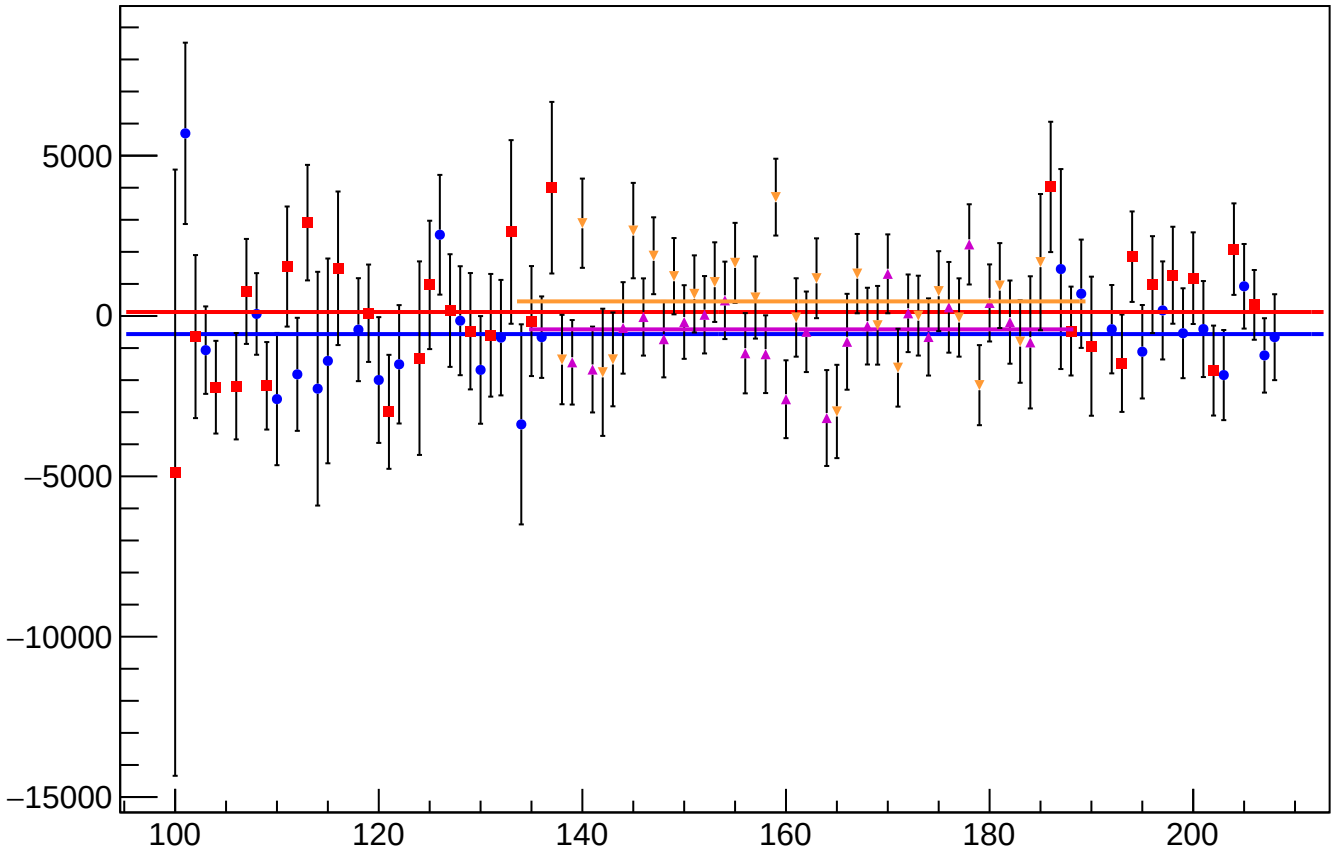
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3818.438+/-0.505 χ^2/NDF: 6485249.6/56

In: 3933.568+/-0.490 χ^2/NDF:3522474.4/49

Out: 3740.590+/-0.463 χ^2/NDF:5196879.2/54

All: 3831.560+/-0.337 χ^2/NDF: 8801195.0/10



Right In: -563.913+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 124.409+/-309.772 χ^2/NDF: 29.6/29

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

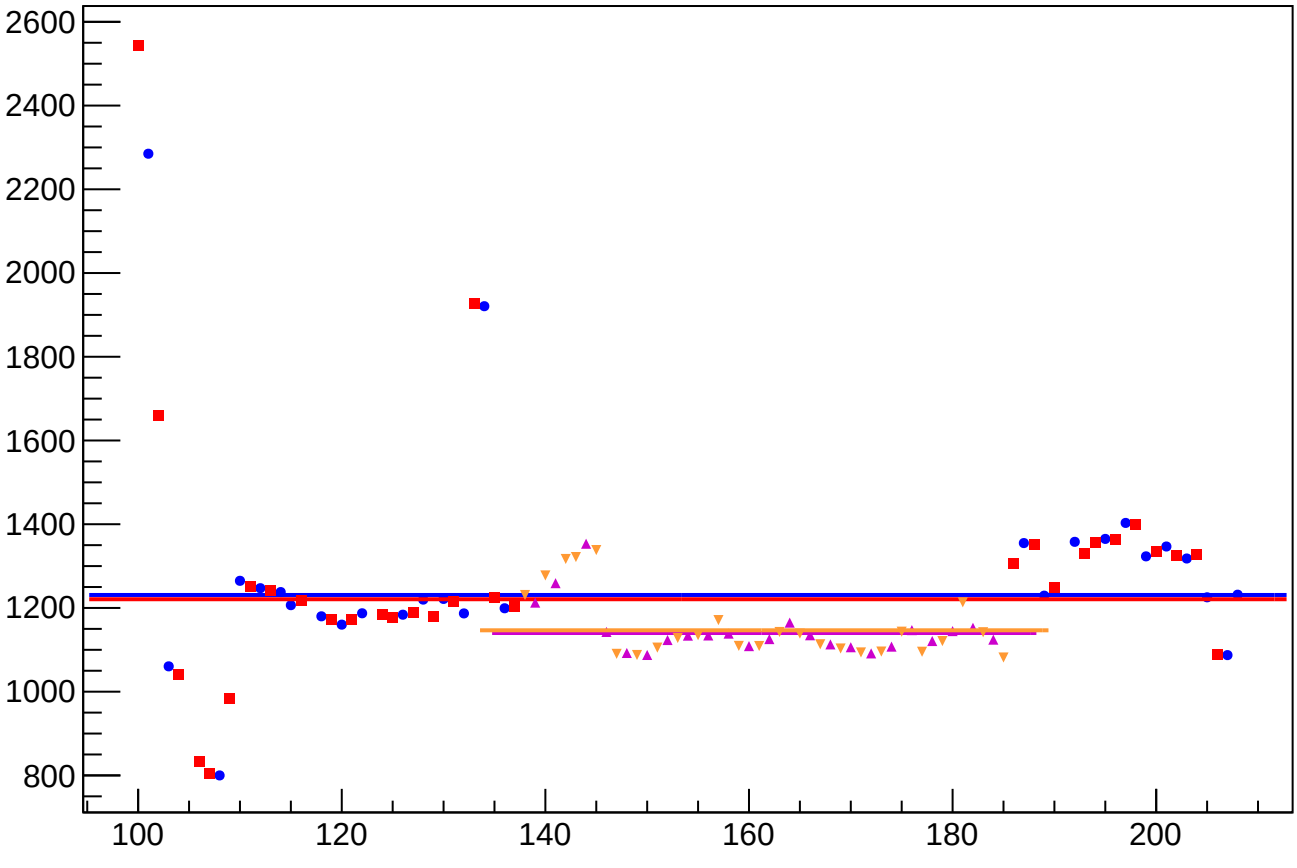
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -215.849+/-220.280 χ^2/NDF: 47.8/56

In: -478.813+/-203.032 χ^2/NDF:33.2/49

Out: 318.164+/-199.600 χ^2/NDF:66.4/54

All: -73.531+/-142.336 χ^2/NDF: 107.5/104



Right In: 1231.001+/-0.222 χ^2/NDF: 768181.7/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1220.817+/-0.219 χ^2/NDF: 720853.3/29

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

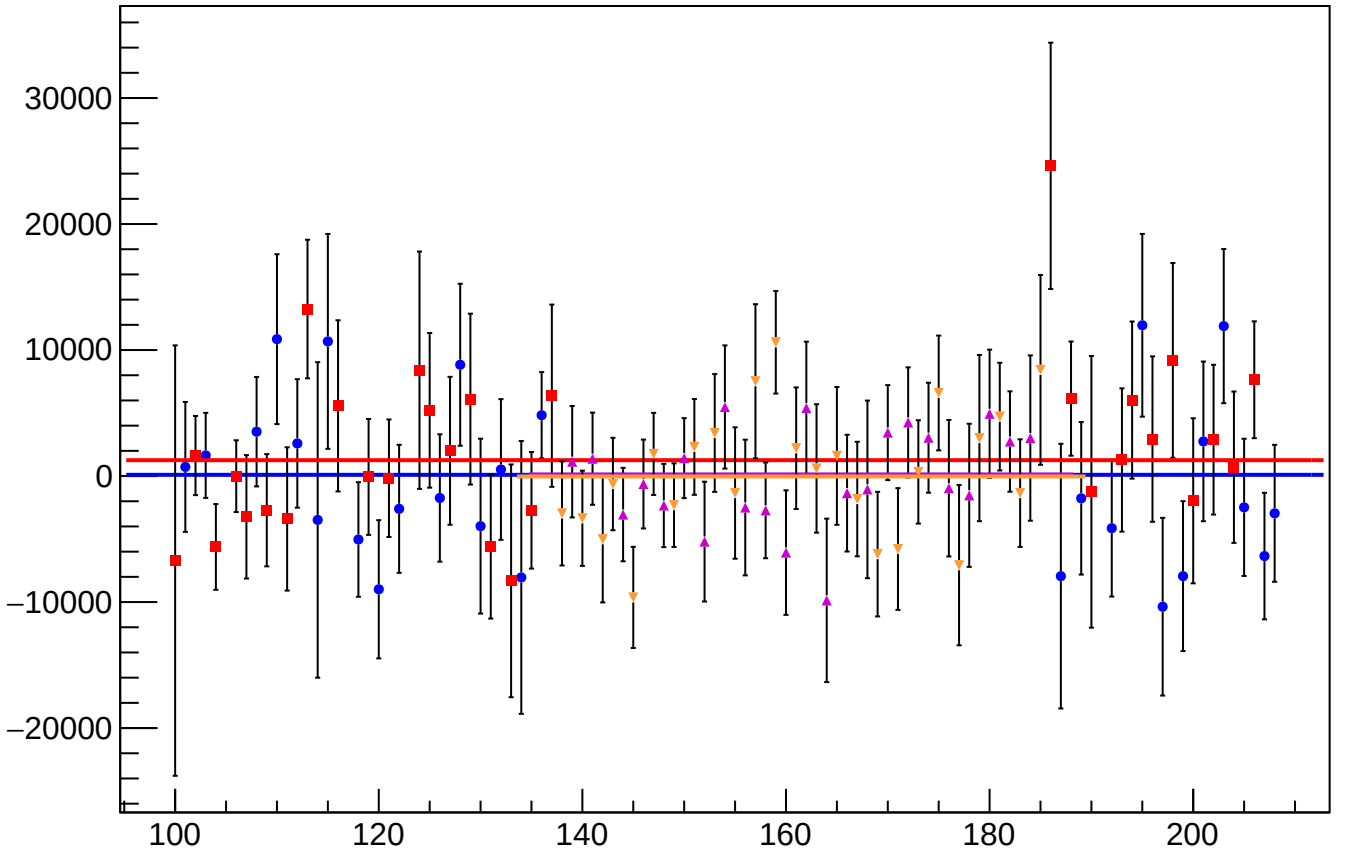
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1225.850+/-0.156 χ^2/NDF: 1490104.0/56

In: 1178.314+/-0.144 χ^2/NDF:950428.5/49

Out: 1177.430+/-0.141 χ^2/NDF:928999.6/54

All: 1177.864+/-0.101 χ^2/NDF: 1879447.4/10



Right In: 96.955+/-1062.272 χ^2/NDF: 28.5/26

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 1258.942+/-965.664 χ^2/NDF: 28.3/29

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

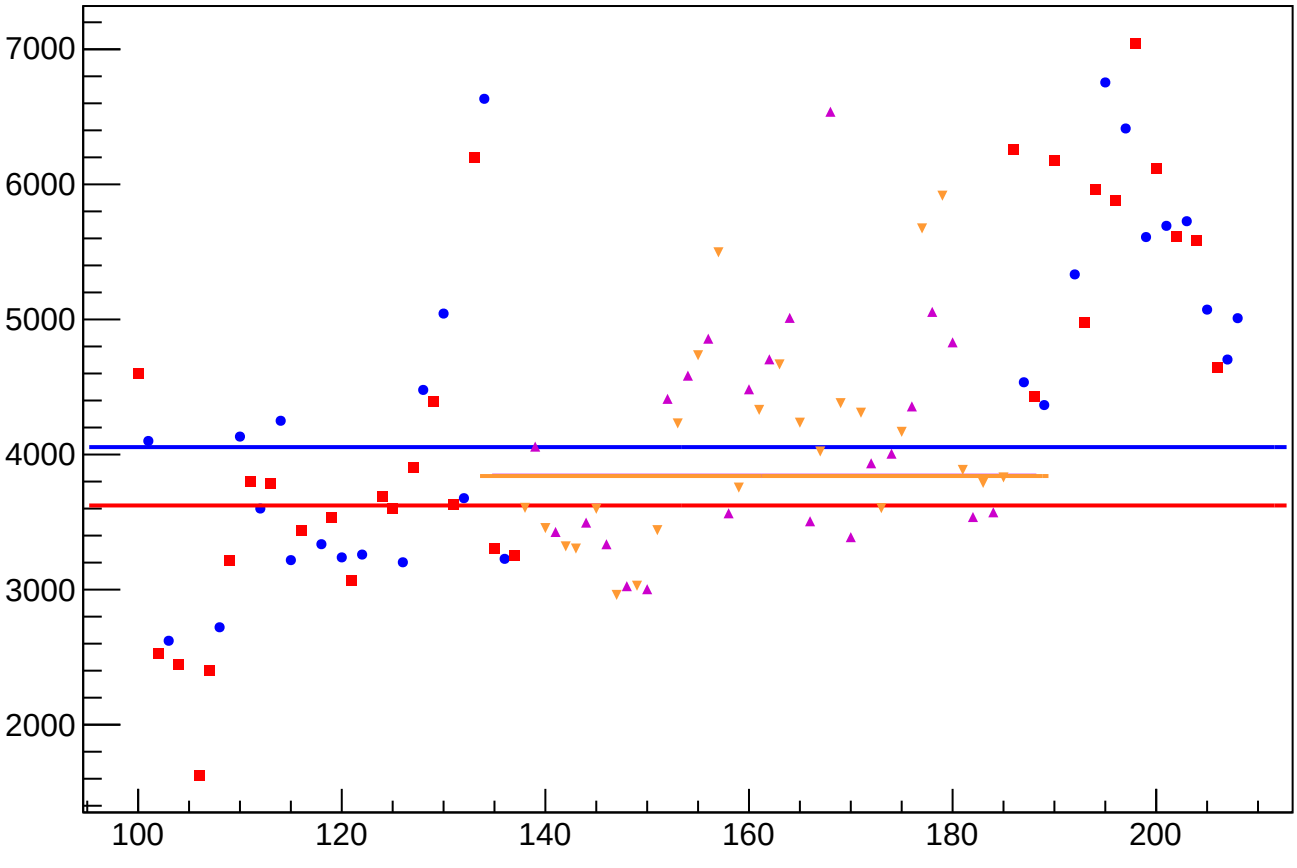
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 733.179+/-714.546 χ^2/NDF: 57.4/56

In: 110.780+/-693.584 χ^2/NDF:42.2/49

Out: 561.073+/-654.987 χ^2/NDF:57.0/54

All: 348.804+/-476.206 χ^2/NDF: 99.5/104



Right In: 4055.003+/-0.751 χ^2/NDF: 2280867.6/26

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3622.939+/-0.683 χ^2/NDF: 4023255.0/29

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

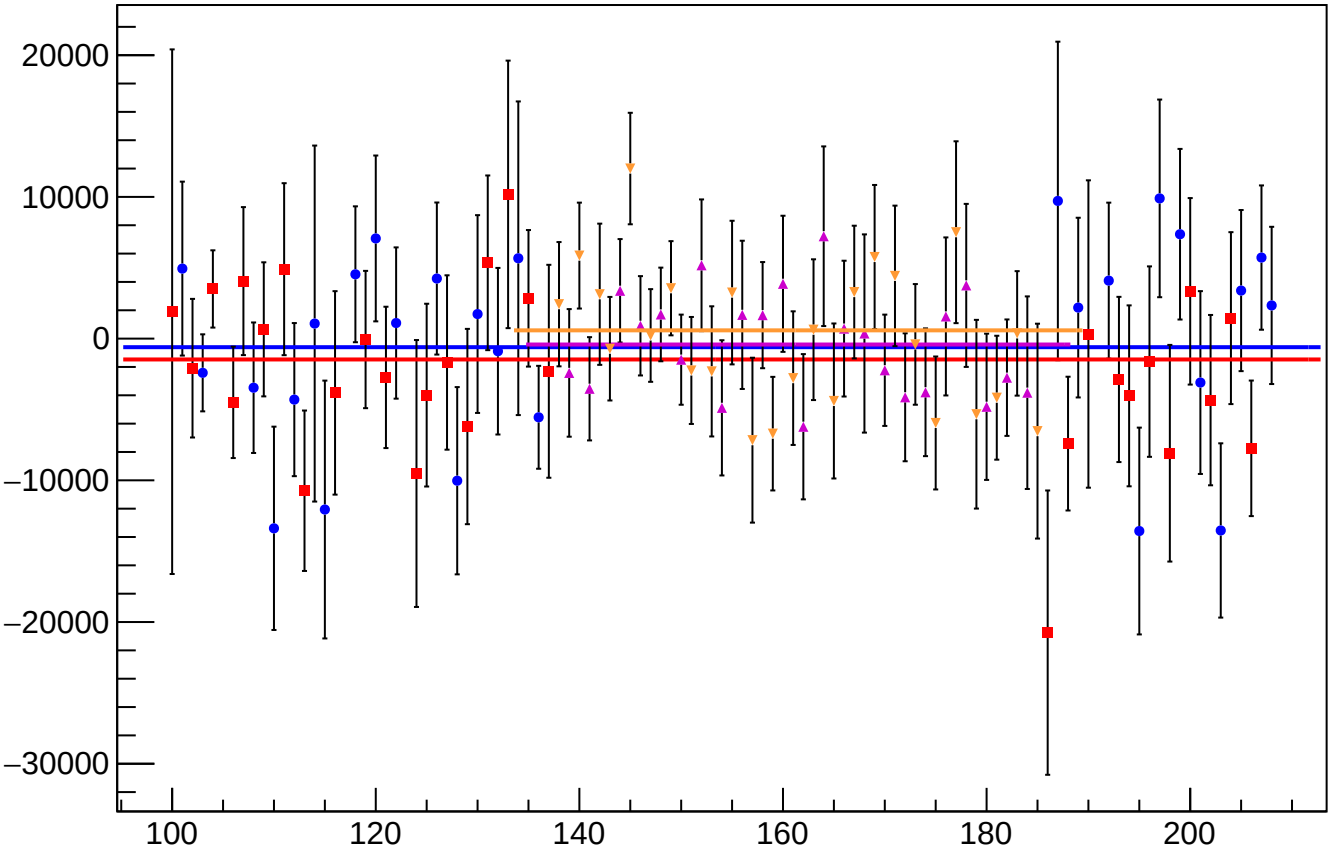
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3818.435+/-0.505 χ^2/NDF: 6485282.8/56

In: 3933.570+/-0.490 χ^2/NDF:3522486.1/49

Out: 3740.591+/-0.463 χ^2/NDF:5196905.7/54

All: 3831.562+/-0.337 χ^2/NDF: 8801234.6/10



Right In: -604.852+/-1074.992 χ^2/NDF: 30.8/26

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1471.208+/-1028.497 χ^2/NDF: 23.2/29

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

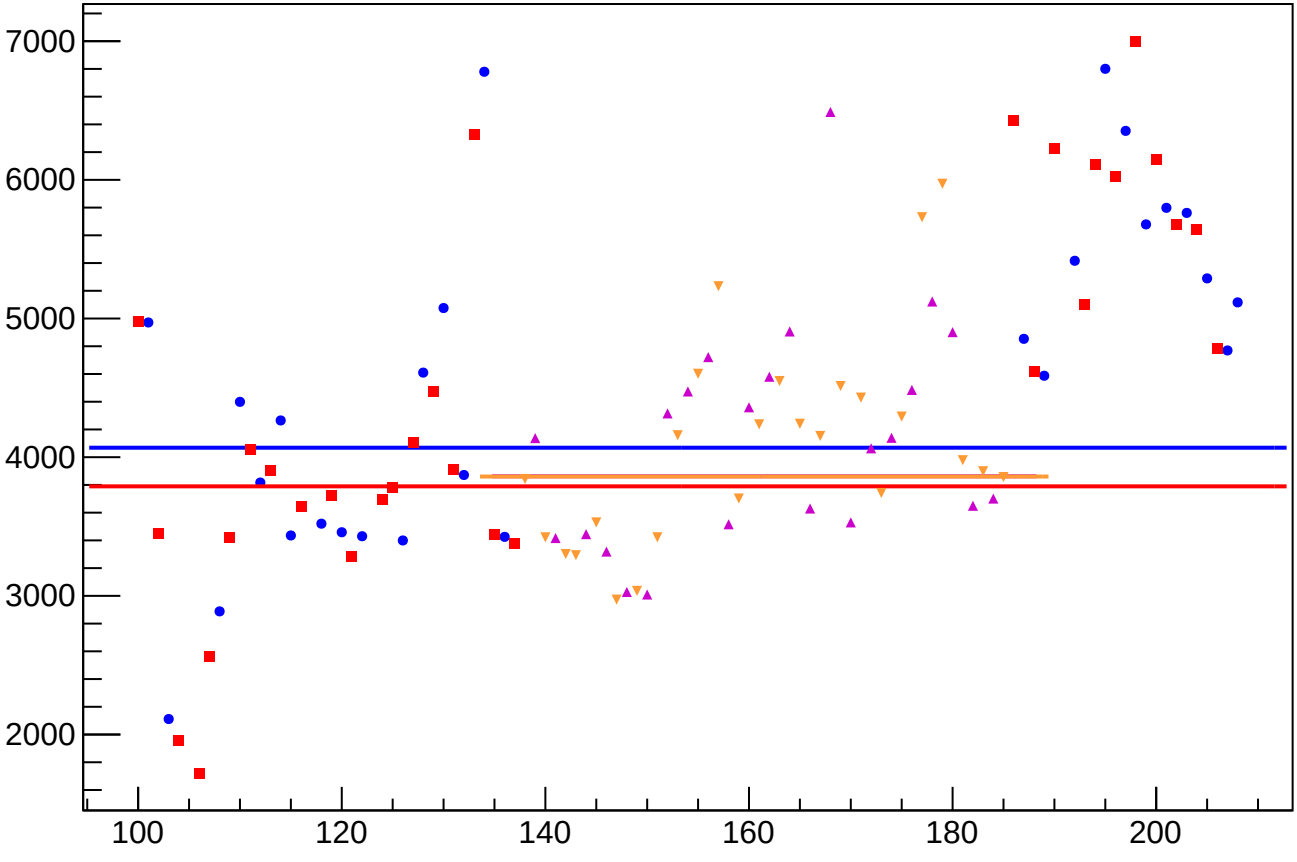
Right: -1057.170+/-743.151 χ^2/NDF: 54.4/56

In: -496.207+/-698.536 χ^2/NDF:43.3/49

Out: -301.948+/-675.116 χ^2/NDF:52.9/54

All: -395.766+/-485.448 χ^2/NDF: 96.3/104

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4068.416+/-0.760 χ^2/NDF: 2855872.6/26

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3789.685+/-0.719 χ^2/NDF: 3977407.8/29

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

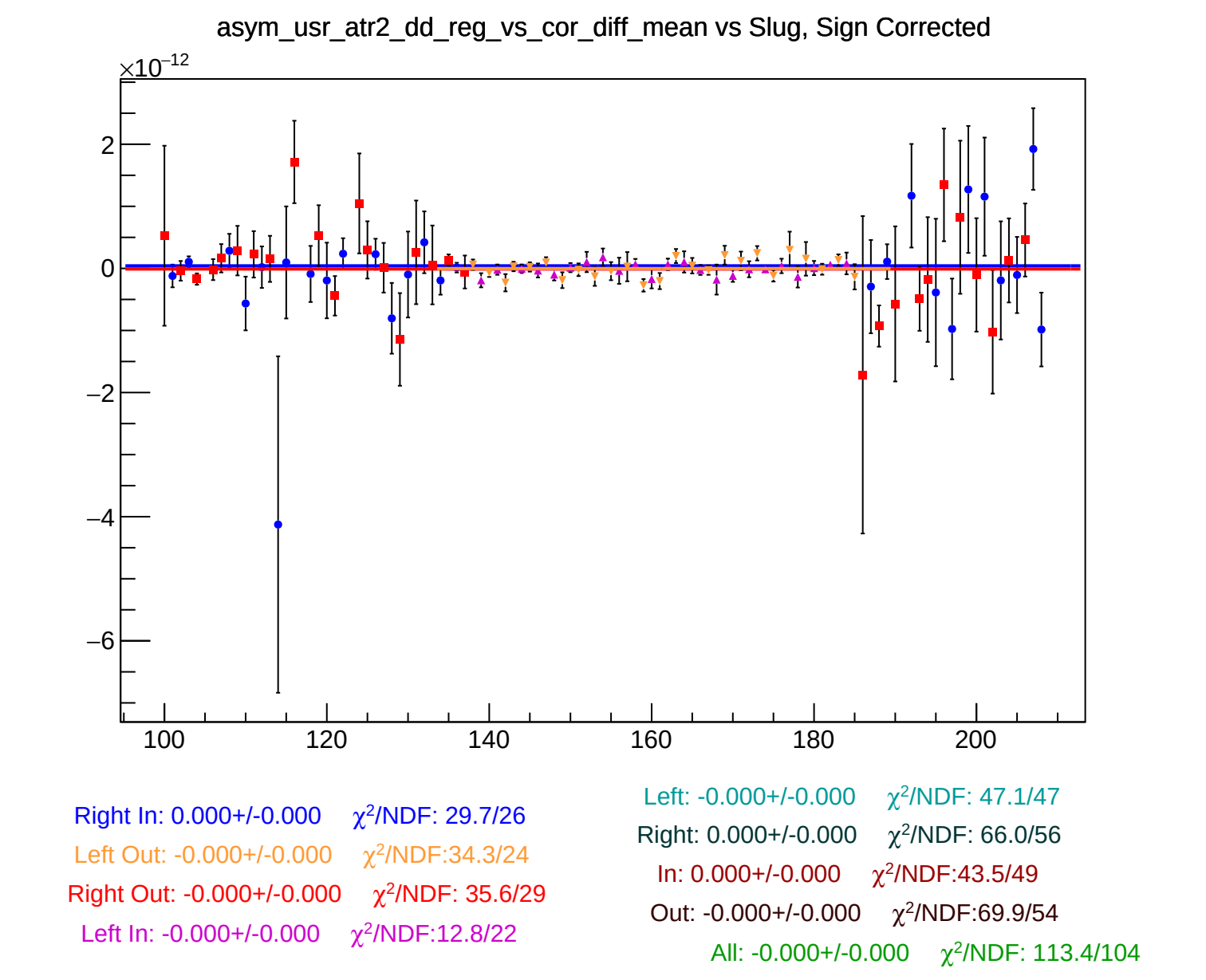
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

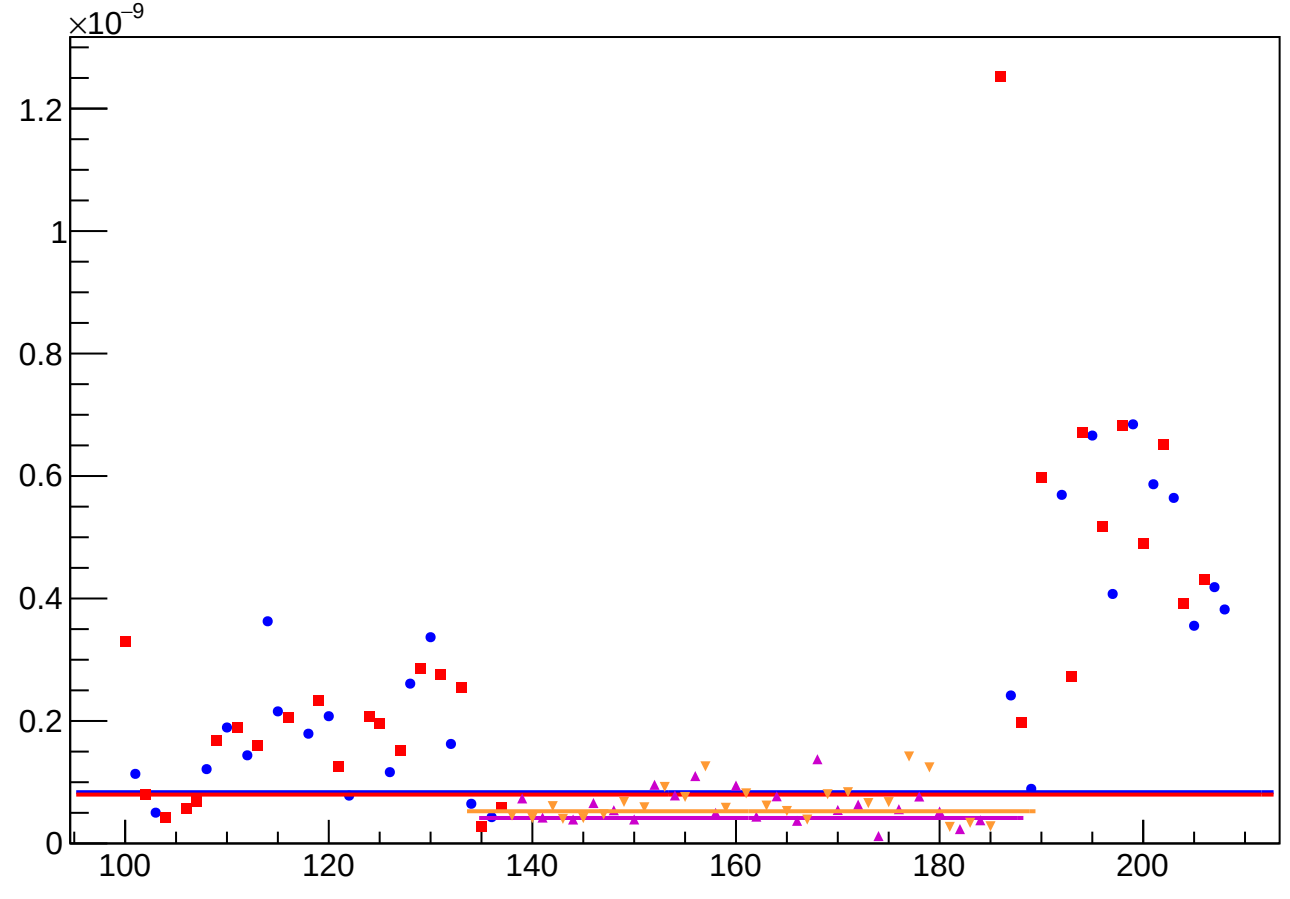
Right: 3921.227+/-0.522 χ^2/NDF: 6904283.5/56

In: 3949.354+/-0.494 χ^2/NDF:4040516.2/49

Out: 3829.591+/-0.475 χ^2/NDF:5080175.7/54

All: 3887.121+/-0.342 χ^2/NDF: 9151241.1/10


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 29.7/26
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.6/29
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 66.0/56
In: 0.000+/-0.000 χ²/NDF:43.5/49
Out: -0.000+/-0.000 χ²/NDF:69.9/54
All: -0.000+/-0.000 χ²/NDF: 113.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 6636662.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7589810.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

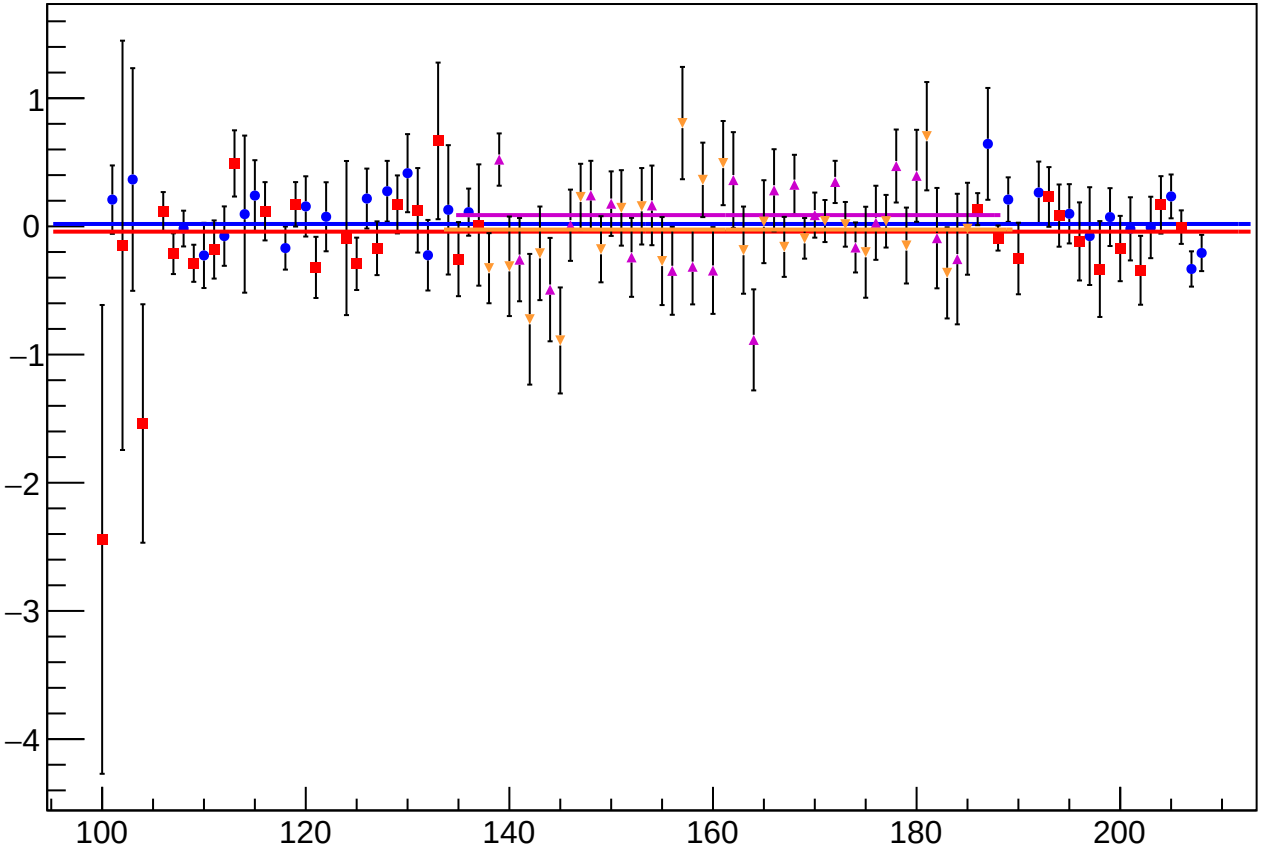
Right: 0.000+/-0.000 χ^2/NDF: 14233125.0/56

In: 0.000+/-0.000 χ^2/NDF:10930505.3/49

Out: 0.000+/-0.000 χ^2/NDF:9734305.8/54

All: 0.000+/-0.000 χ^2/NDF: 20914587.9/104

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

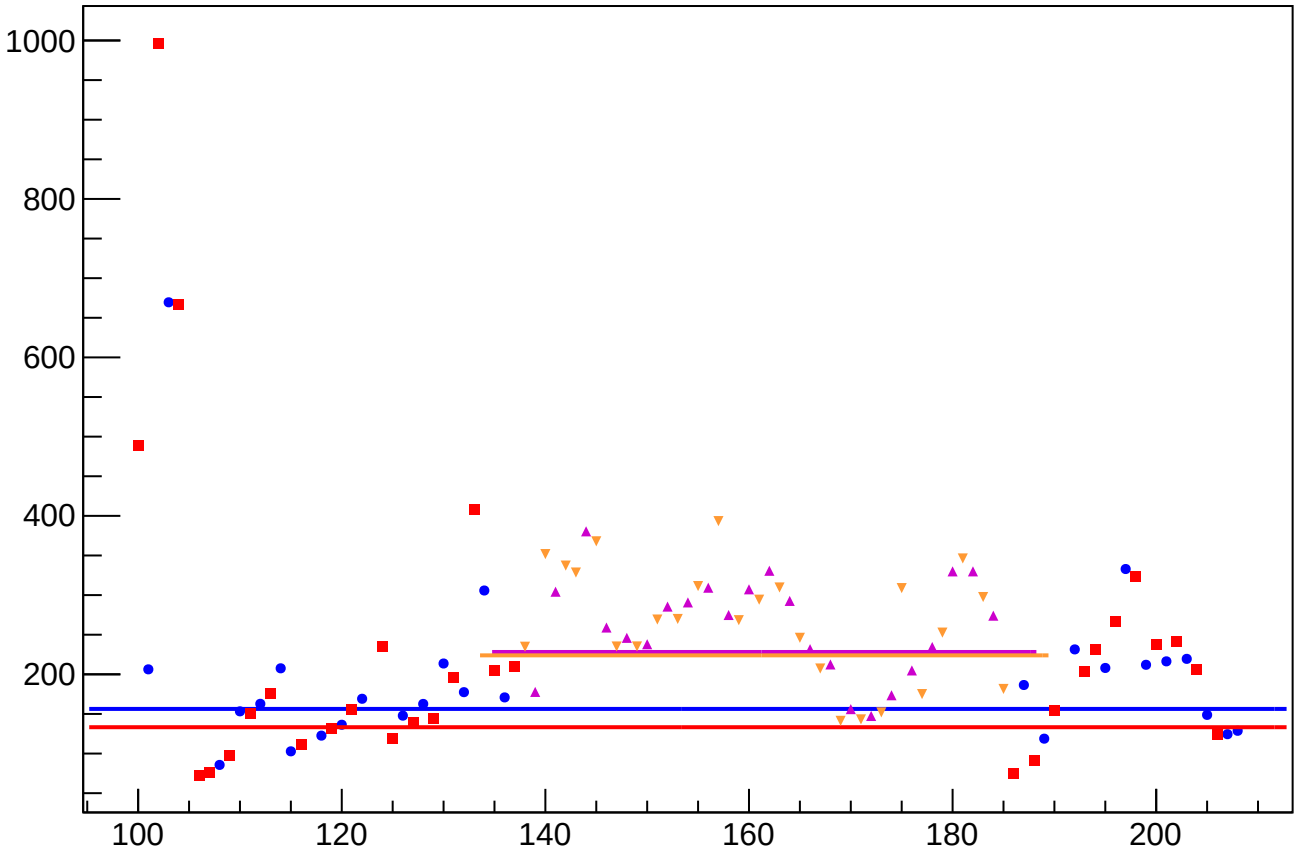
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.014+/-0.029 χ^2/NDF: 55.0/56

In: 0.044+/-0.034 χ^2/NDF:54.9/49

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.001+/-0.023 χ^2/NDF: 112.0/104



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

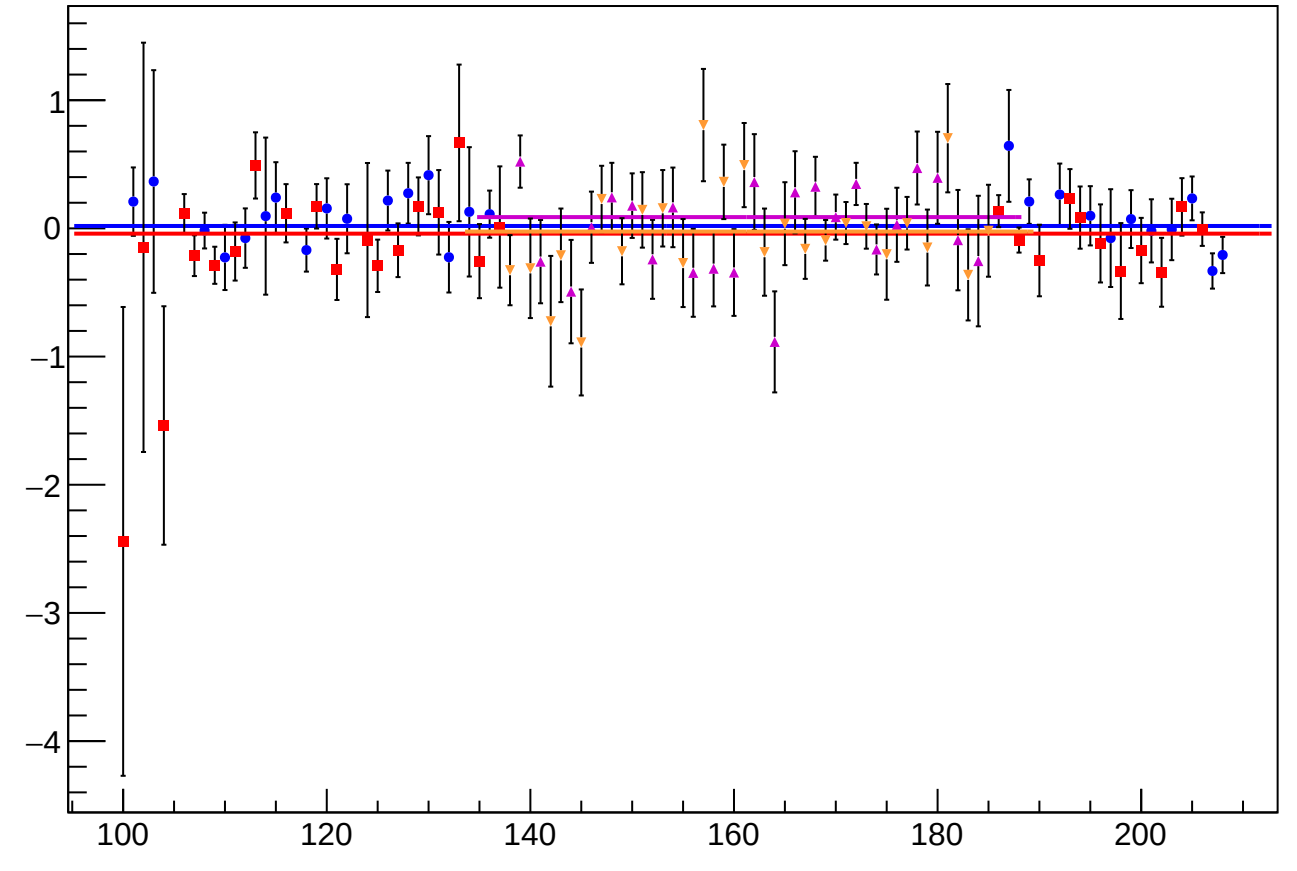
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 143.587+/-0.020 χ^2/NDF: 9441292.0/56

In: 182.350+/-0.024 χ^2/NDF:7679957.5/49

Out: 163.293+/-0.022 χ^2/NDF:13108757.1/54

All: 172.048+/-0.016 χ^2/NDF: 21126615.7/10



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

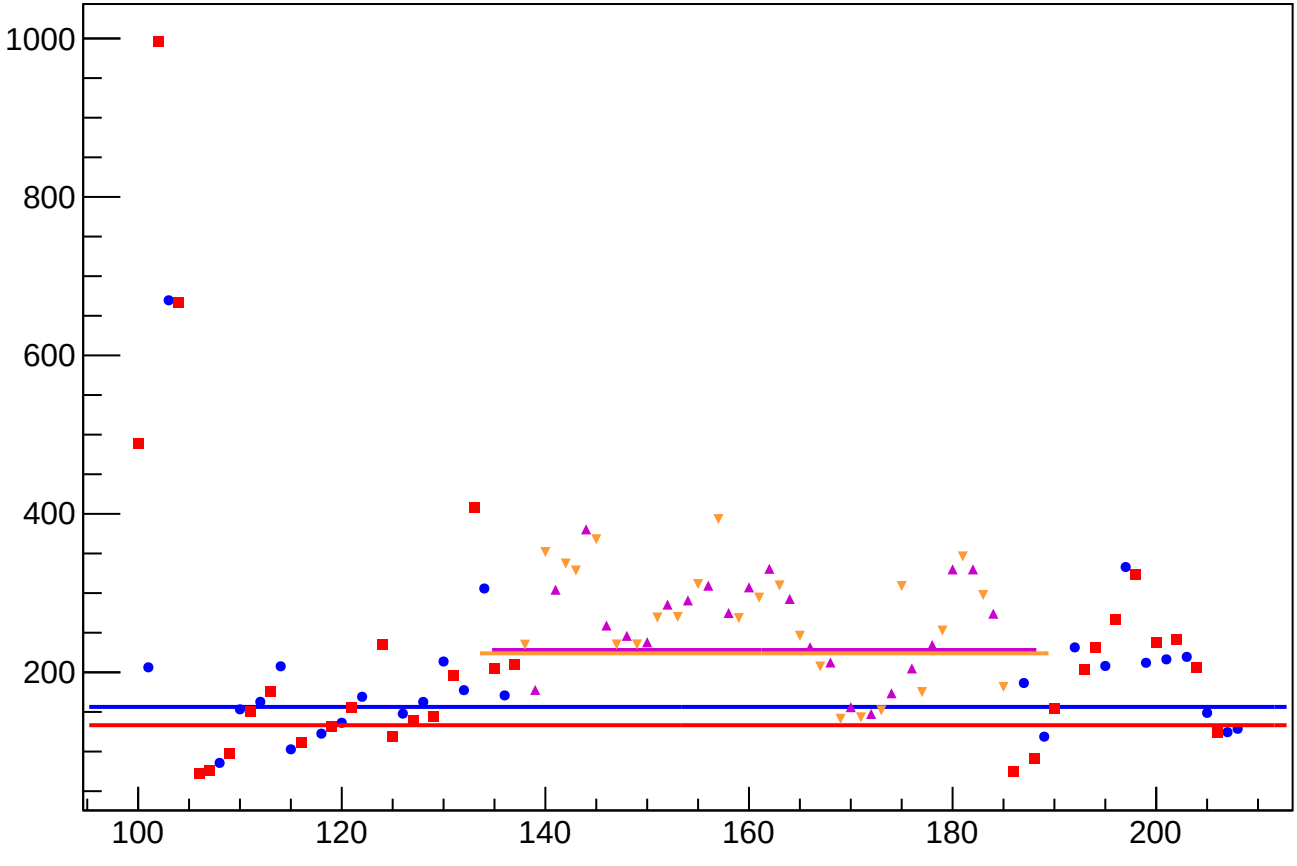
Right: -0.014+/-0.029 χ^2/NDF: 55.0/56

In: 0.044+/-0.034 χ^2/NDF:54.9/49

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.001+/-0.023 χ^2/NDF: 112.0/104

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

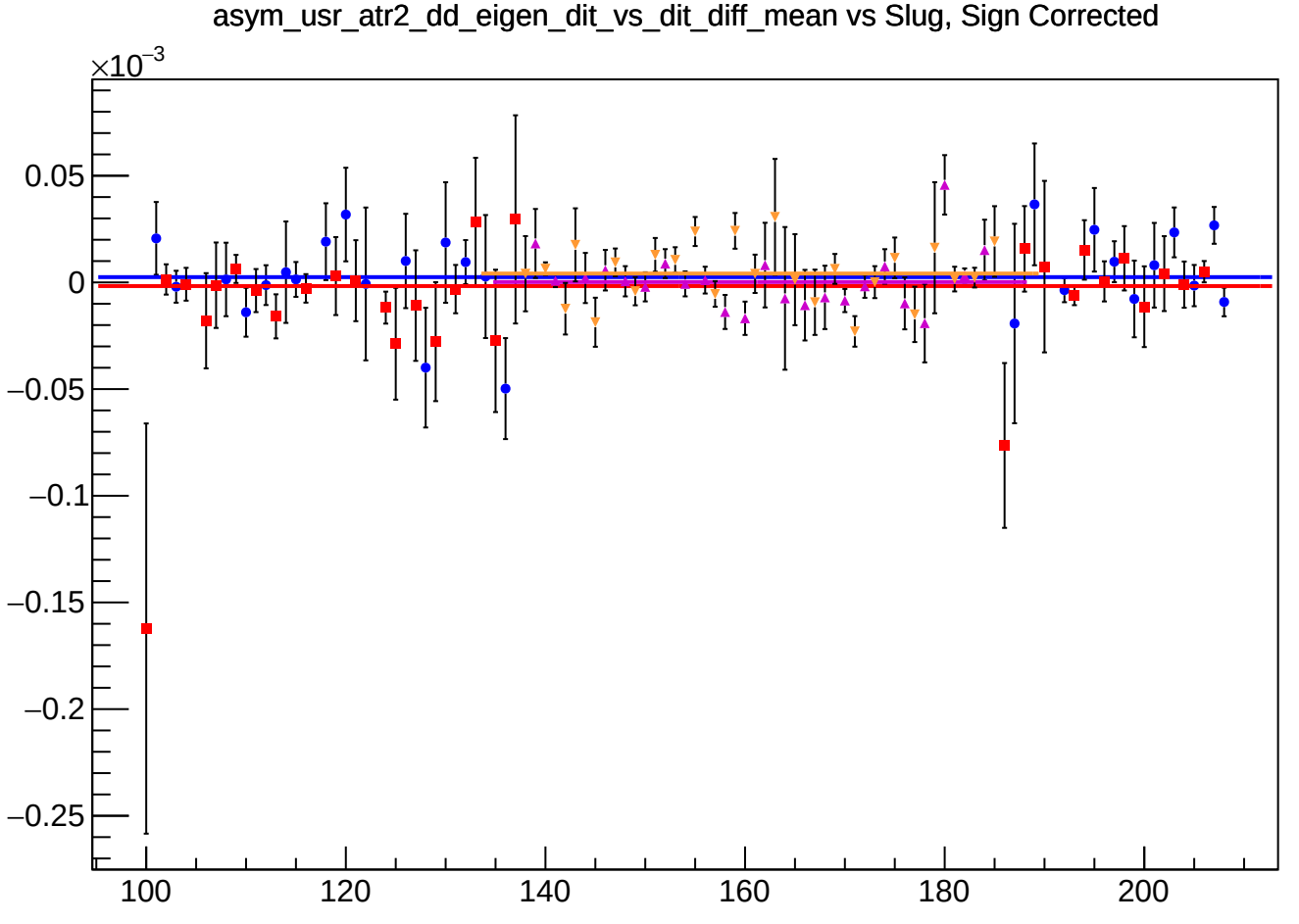
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 143.587+/-0.020 χ^2/NDF: 9441292.0/56

In: 182.350+/-0.024 χ^2/NDF:7679957.5/49

Out: 163.293+/-0.022 χ^2/NDF:13108757.1/54

All: 172.048+/-0.016 χ^2/NDF: 21126615.7/10



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

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

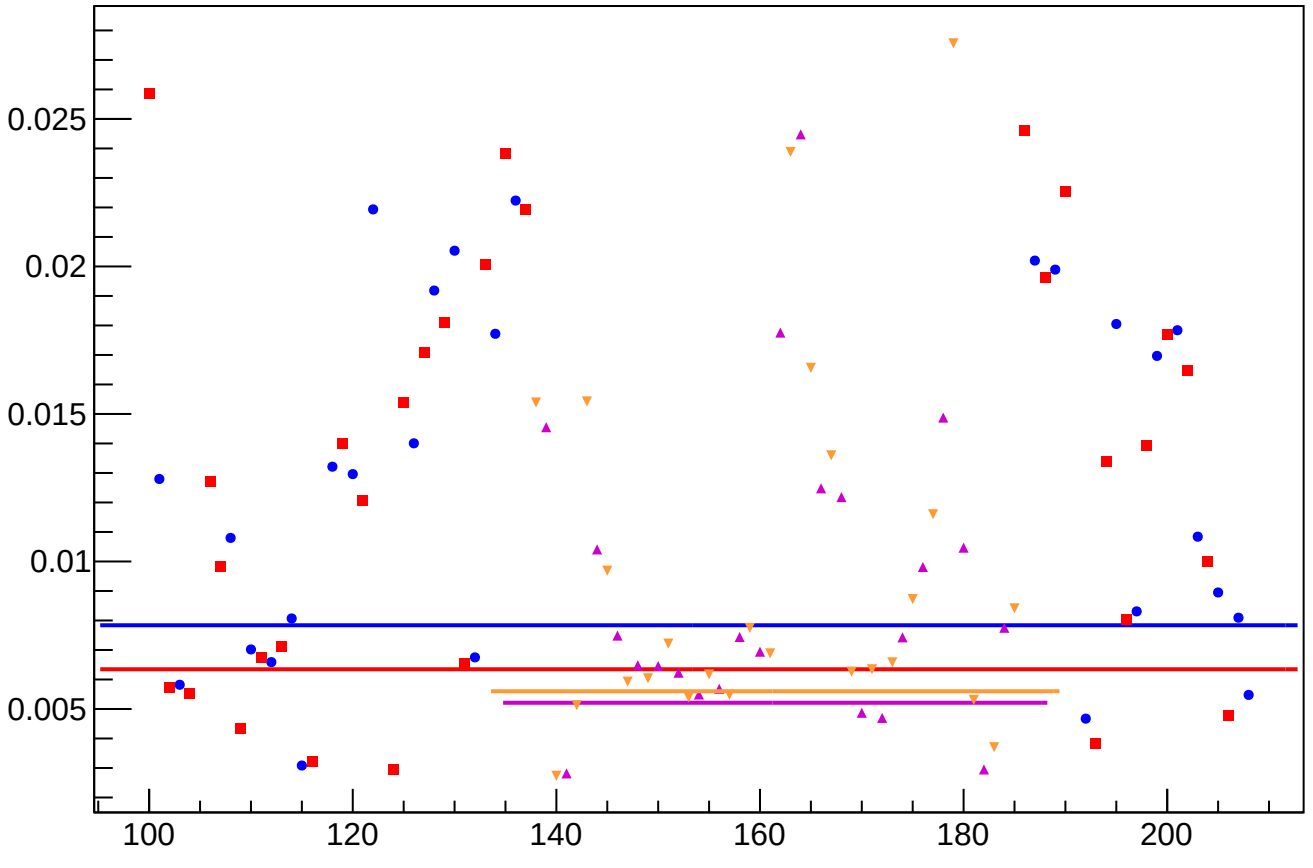
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.9/56

In: 0.000+/-0.000 χ^2/NDF:64.6/49

Out: 0.000+/-0.000 χ^2/NDF:77.8/54

All: 0.000+/-0.000 χ^2/NDF: 142.9/104



Right In: 0.008+/-0.000 χ^2/NDF: 6681051.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9231283.0/29

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

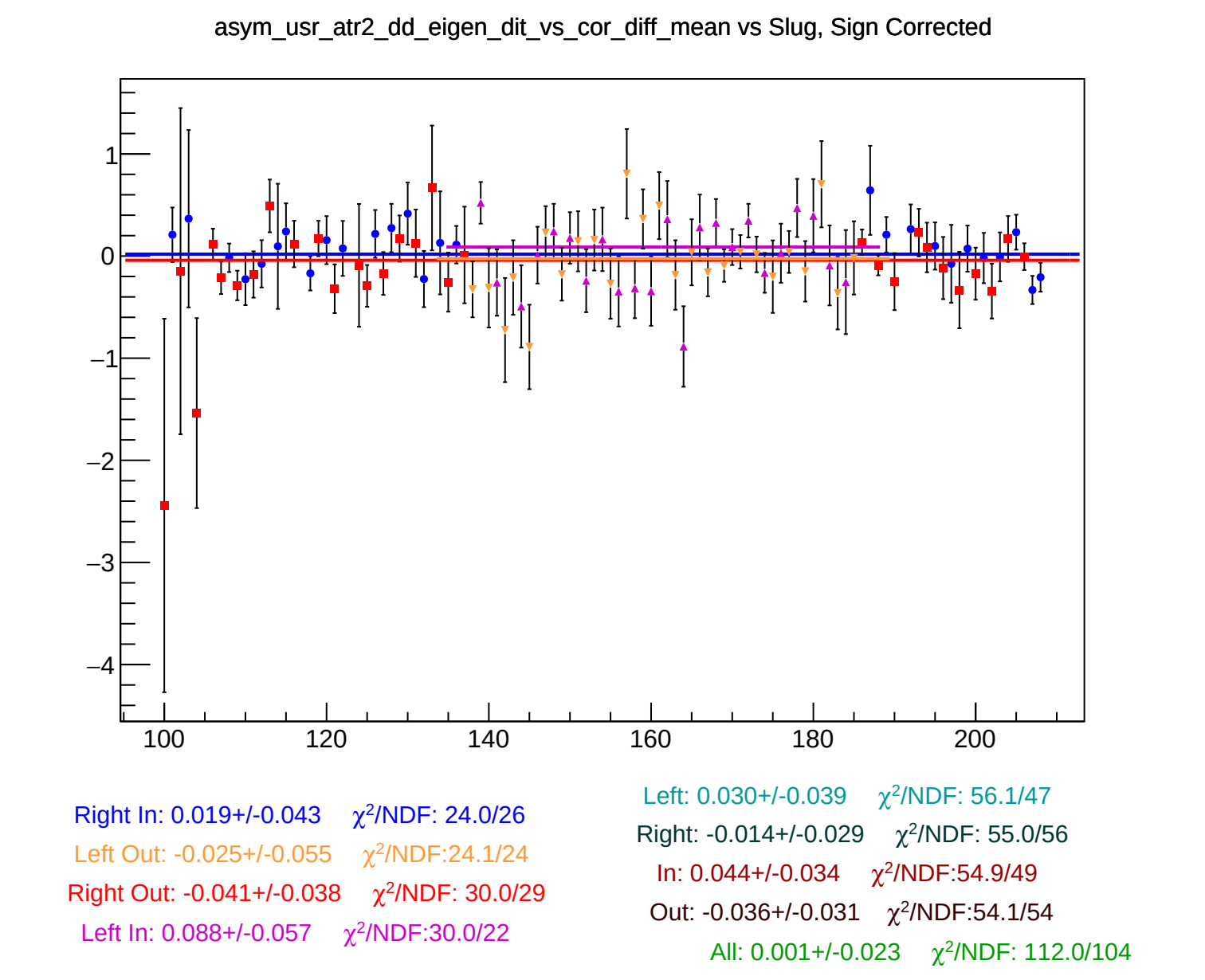
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 16410886.2/56

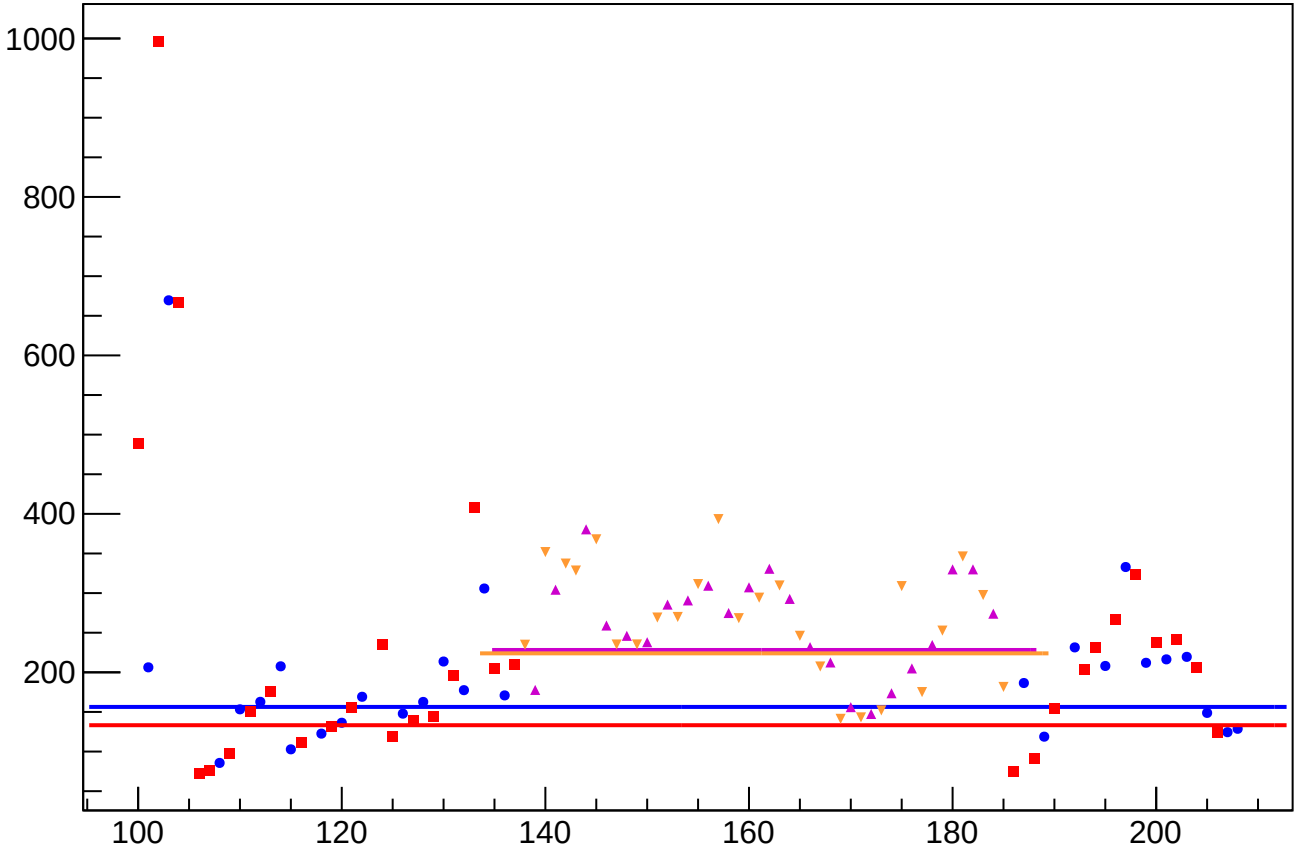
In: 0.006+/-0.000 χ^2/NDF:16022119.1/49

Out: 0.006+/-0.000 χ^2/NDF:17192529.0/54

All: 0.006+/-0.000 χ^2/NDF: 33217767.3/104


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.019+/-0.043 χ²/NDF: 24.0/26
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.041+/-0.038 χ²/NDF: 30.0/29
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.014+/-0.029 χ²/NDF: 55.0/56
In: 0.044+/-0.034 χ²/NDF:54.9/49
Out: -0.036+/-0.031 χ²/NDF:54.1/54
All: 0.001+/-0.023 χ²/NDF: 112.0/104

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 133.253+/-0.027 χ^2/NDF: 5979317.5/29

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

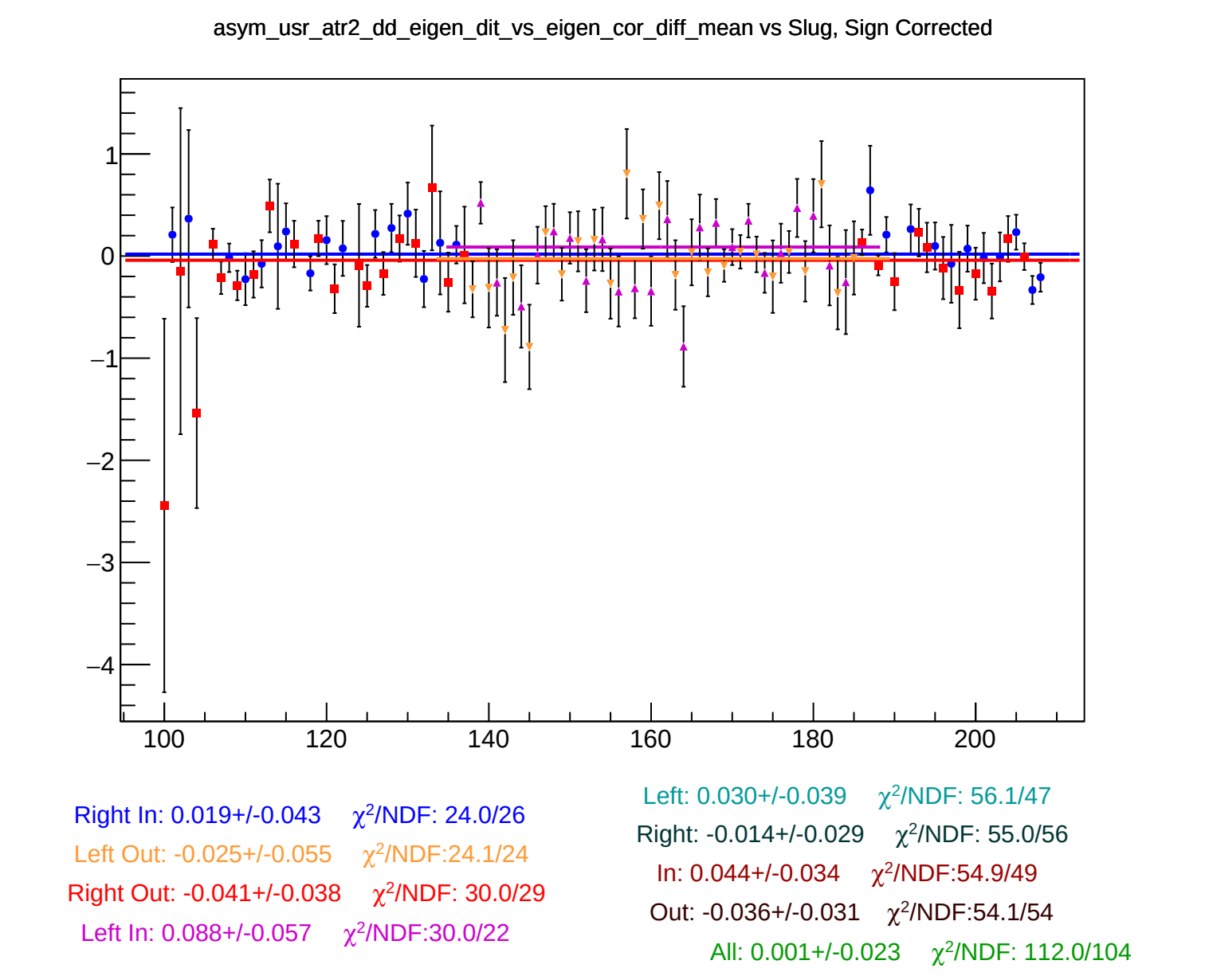
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 143.588+/-0.020 χ^2/NDF: 9440774.0/56

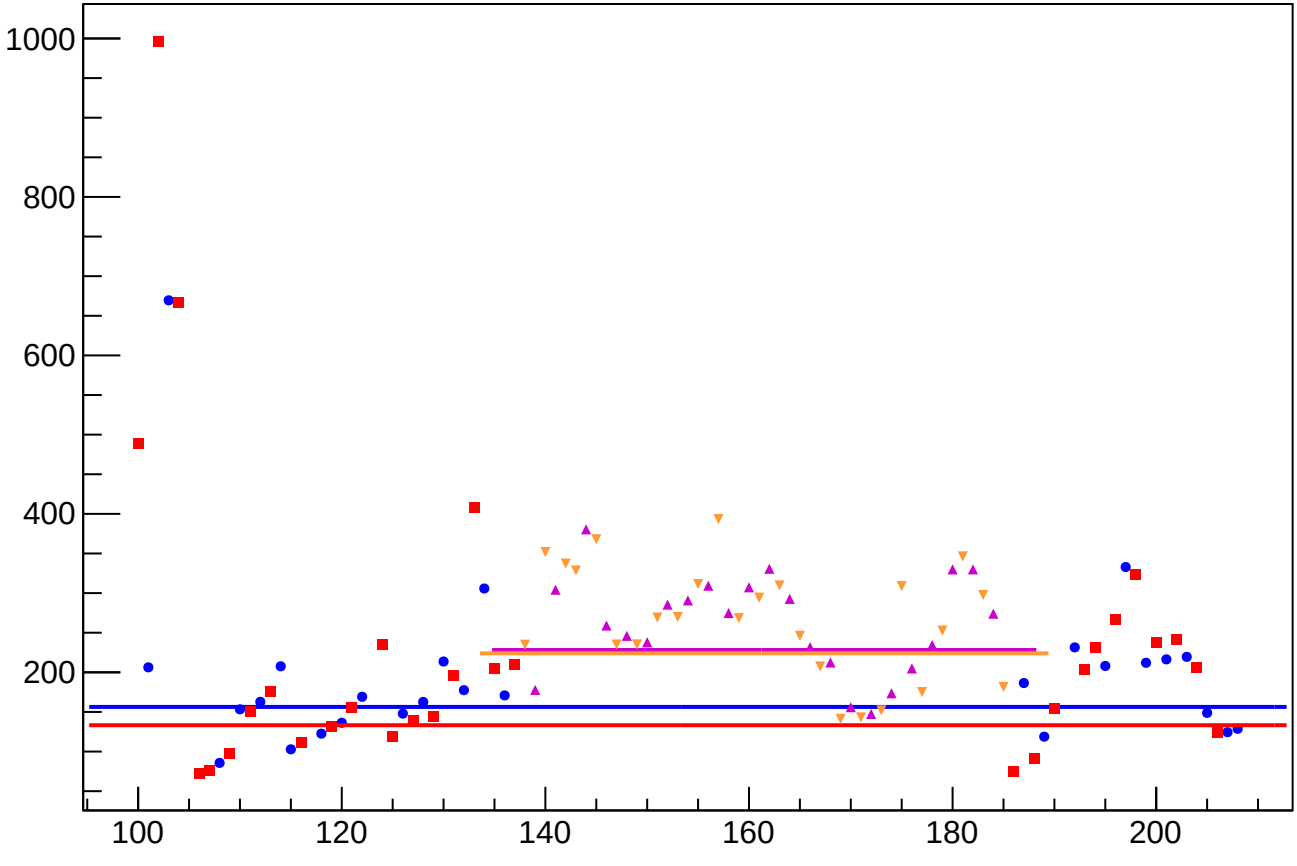
In: 182.348+/-0.024 χ^2/NDF:7680379.0/49

Out: 163.297+/-0.022 χ^2/NDF:13108027.6/54

All: 172.050+/-0.016 χ^2/NDF: 21126105.6/10


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.019+/-0.043 χ²/NDF: 24.0/26
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.041+/-0.038 χ²/NDF: 30.0/29
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.014+/-0.029 χ²/NDF: 55.0/56
In: 0.044+/-0.034 χ²/NDF:54.9/49
Out: -0.036+/-0.031 χ²/NDF:54.1/54
All: 0.001+/-0.023 χ²/NDF: 112.0/104

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 133.253+/-0.027 χ^2/NDF: 5979317.5/29

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

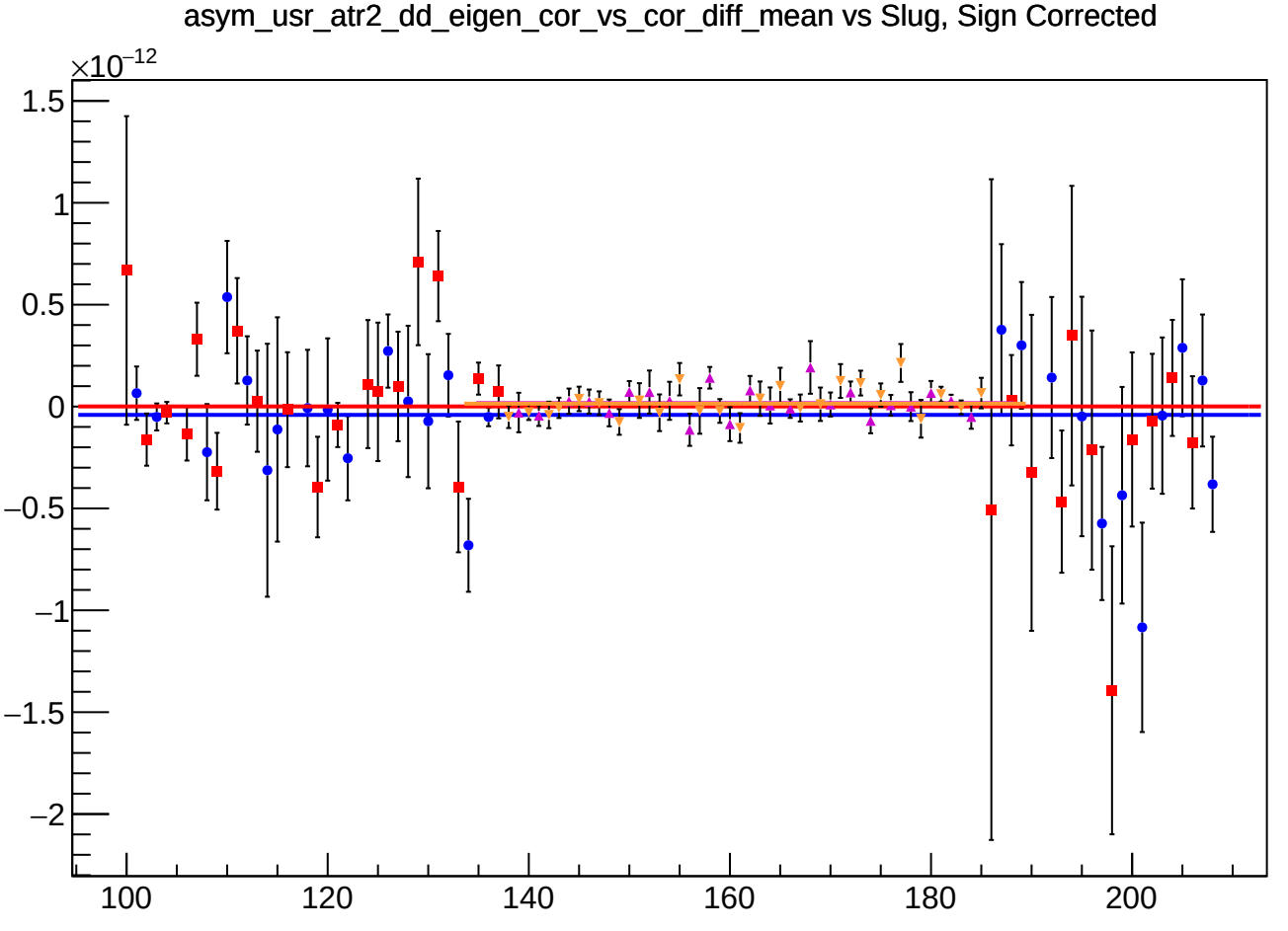
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 143.588+/-0.020 χ^2/NDF: 9440774.0/56

In: 182.348+/-0.024 χ^2/NDF:7680379.0/49

Out: 163.297+/-0.022 χ^2/NDF:13108027.6/54

All: 172.050+/-0.016 χ^2/NDF: 21126105.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.9/29

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

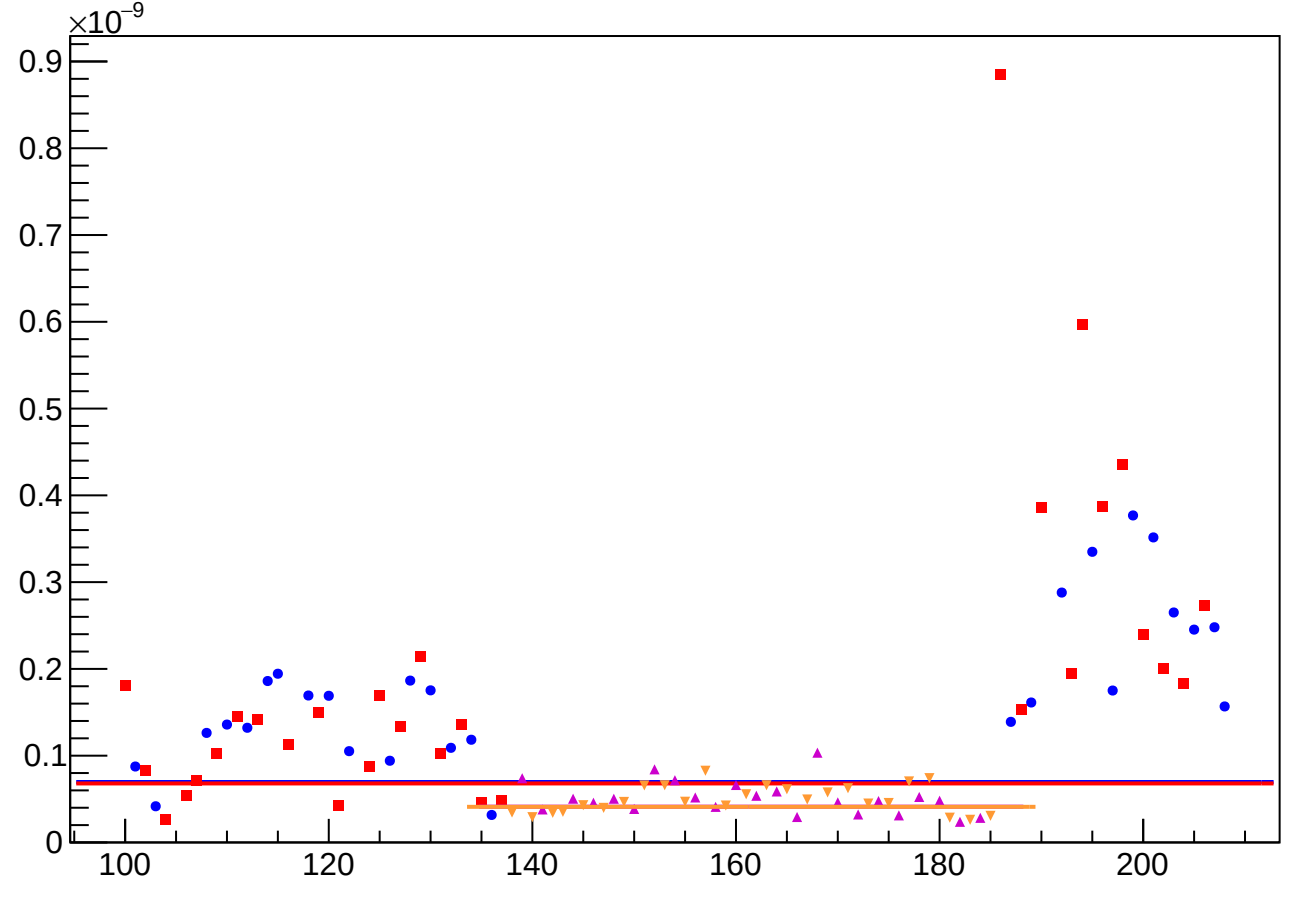
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 71.7/56

In: 0.000+/-0.000 χ^2/NDF:56.7/49

Out: 0.000+/-0.000 χ^2/NDF:64.4/54

All: 0.000+/-0.000 χ^2/NDF: 121.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 8062074.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8356540.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

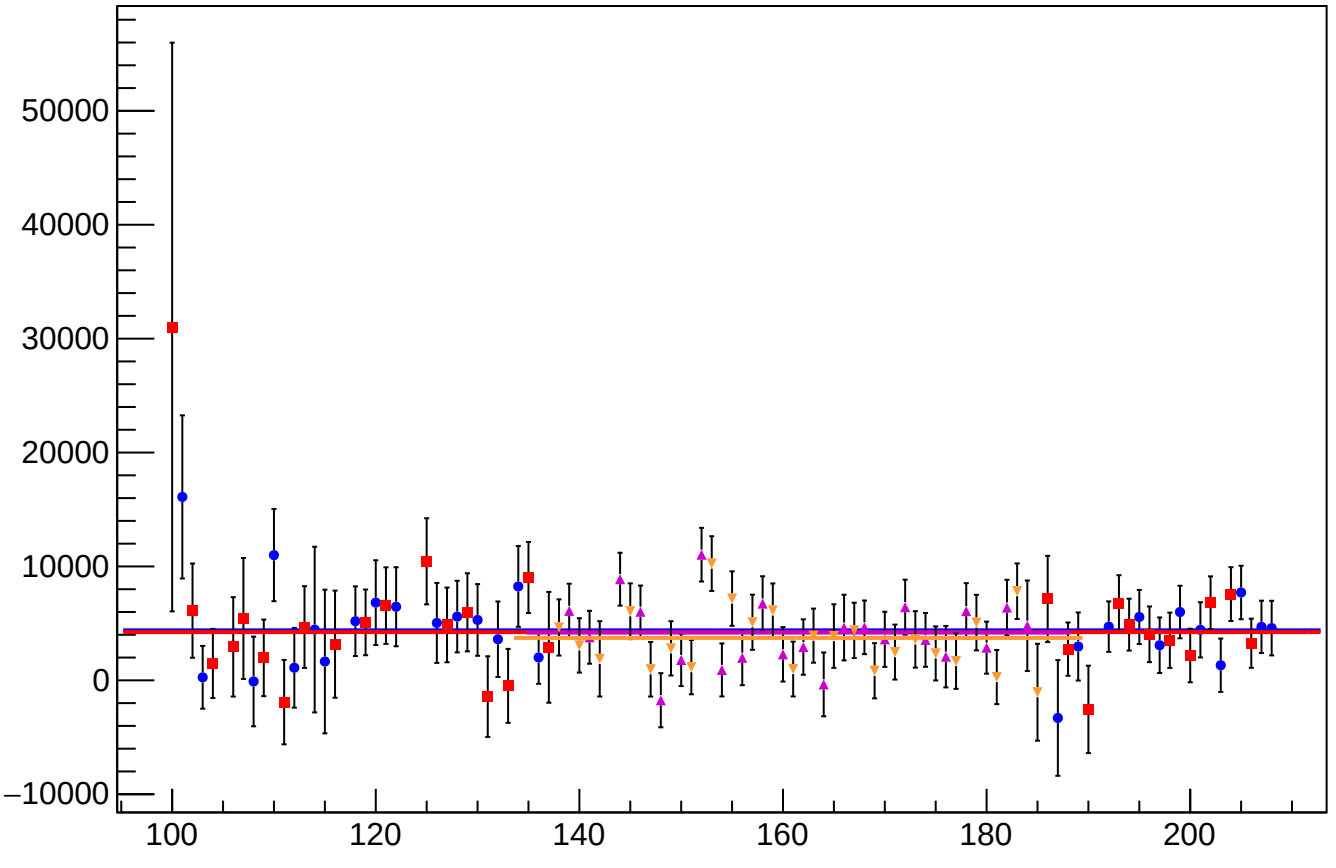
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16421539.6/56

In: 0.000+/-0.000 χ^2/NDF:12379018.7/49

Out: 0.000+/-0.000 χ^2/NDF:12321950.8/54

All: 0.000+/-0.000 χ^2/NDF: 24703084.9/104



Right In: 4389.290+/-568.807 χ^2/NDF: 20.7/26

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4235.575+/-568.713 χ^2/NDF: 25.8/28

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

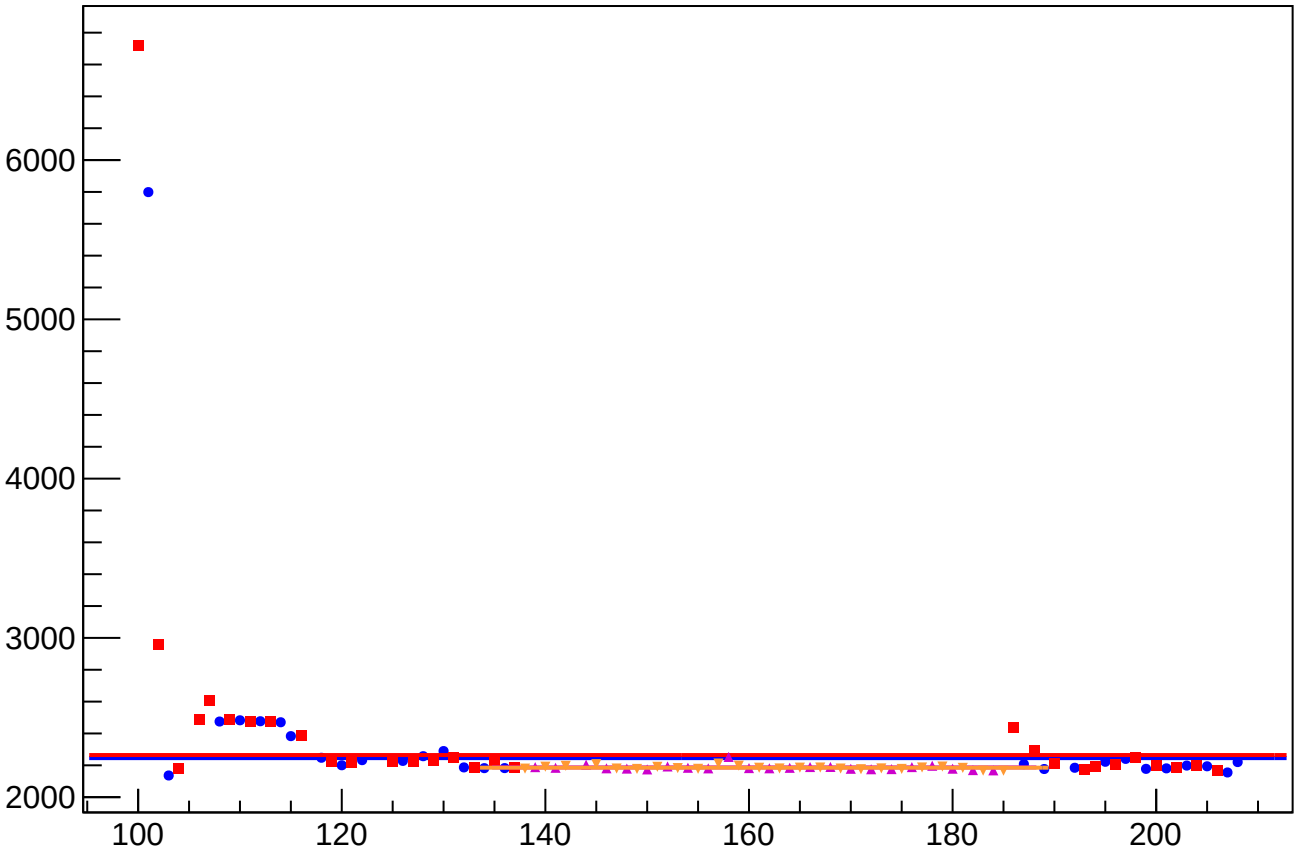
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4312.420+/-402.174 χ^2/NDF: 46.5/55

In: 4282.216+/-379.957 χ^2/NDF:52.8/49

Out: 3950.326+/-378.512 χ^2/NDF:51.7/52

All: 4115.639+/-268.158 χ^2/NDF: 104.9/102



Right In: 2245.163+/-0.402 χ^2/NDF: 535529.8/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2264.487+/-0.402 χ^2/NDF: 182497.0/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

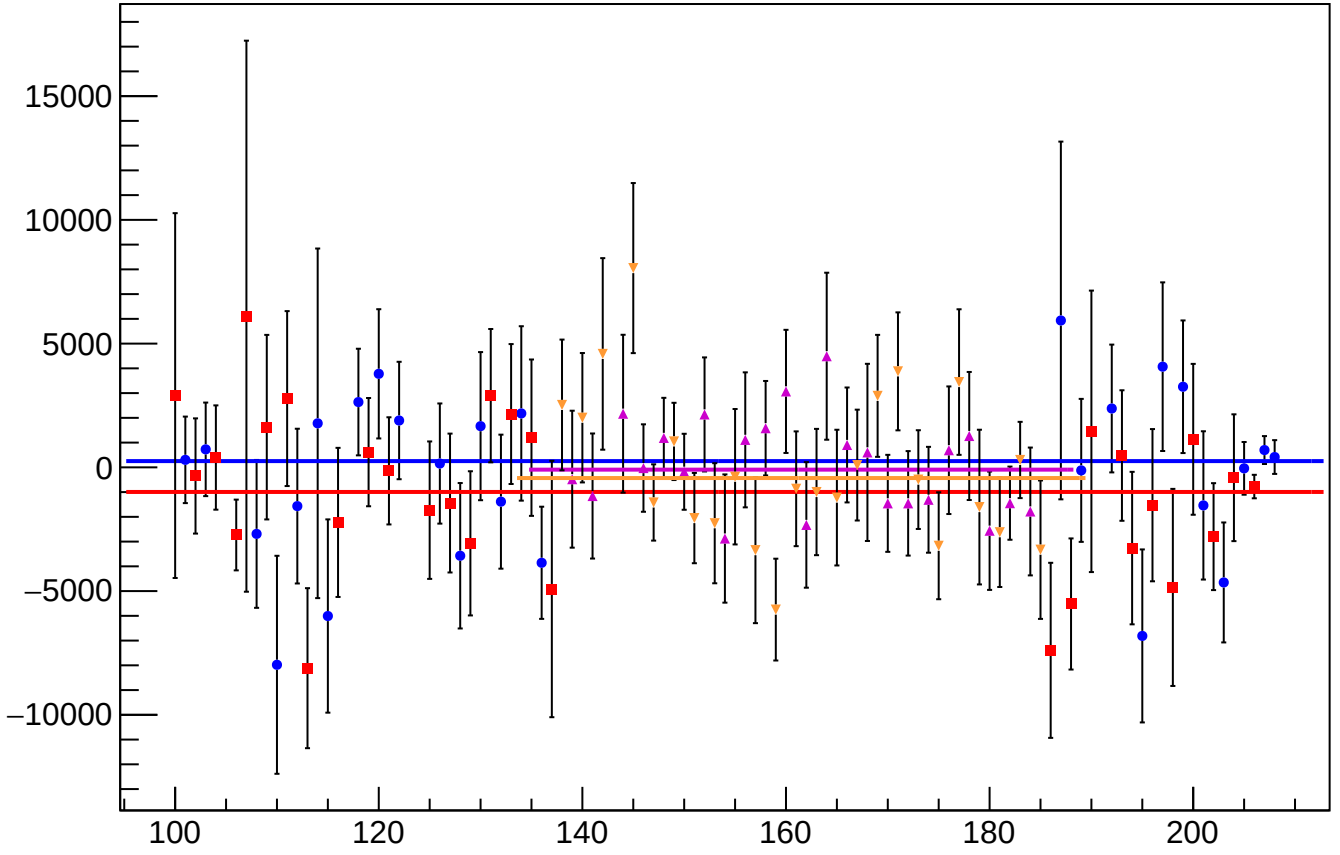
Right: 2254.826+/-0.284 χ^2/NDF: 719181.2/55

In: 2212.812+/-0.269 χ^2/NDF:549276.0/49

Out: 2220.284+/-0.268 χ^2/NDF:205002.4/52

All: 2216.562+/-0.190 χ^2/NDF: 754666.7/102

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 252.448+/-326.836 χ^2/NDF: 30.0/26

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -994.343+/-351.998 χ^2/NDF: 24.7/28

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

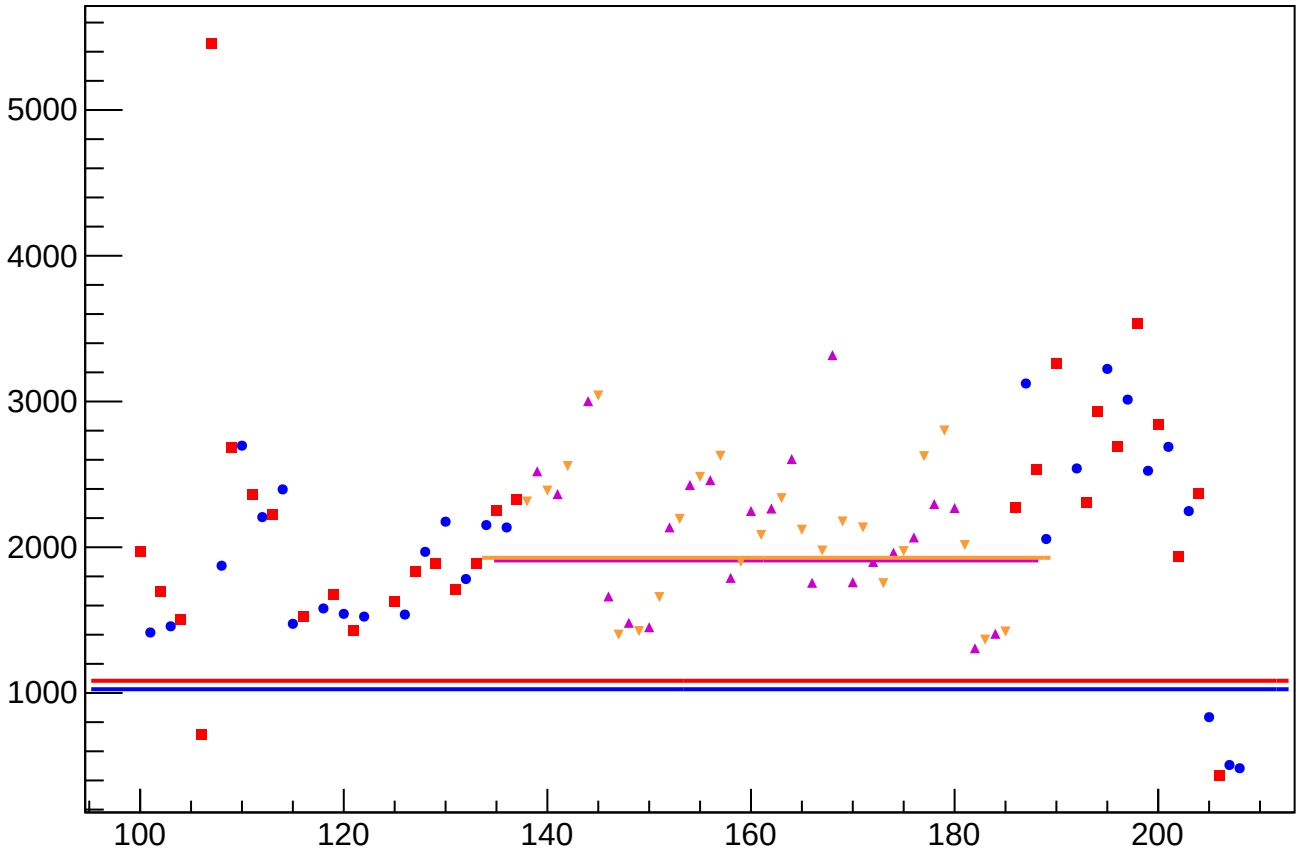
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

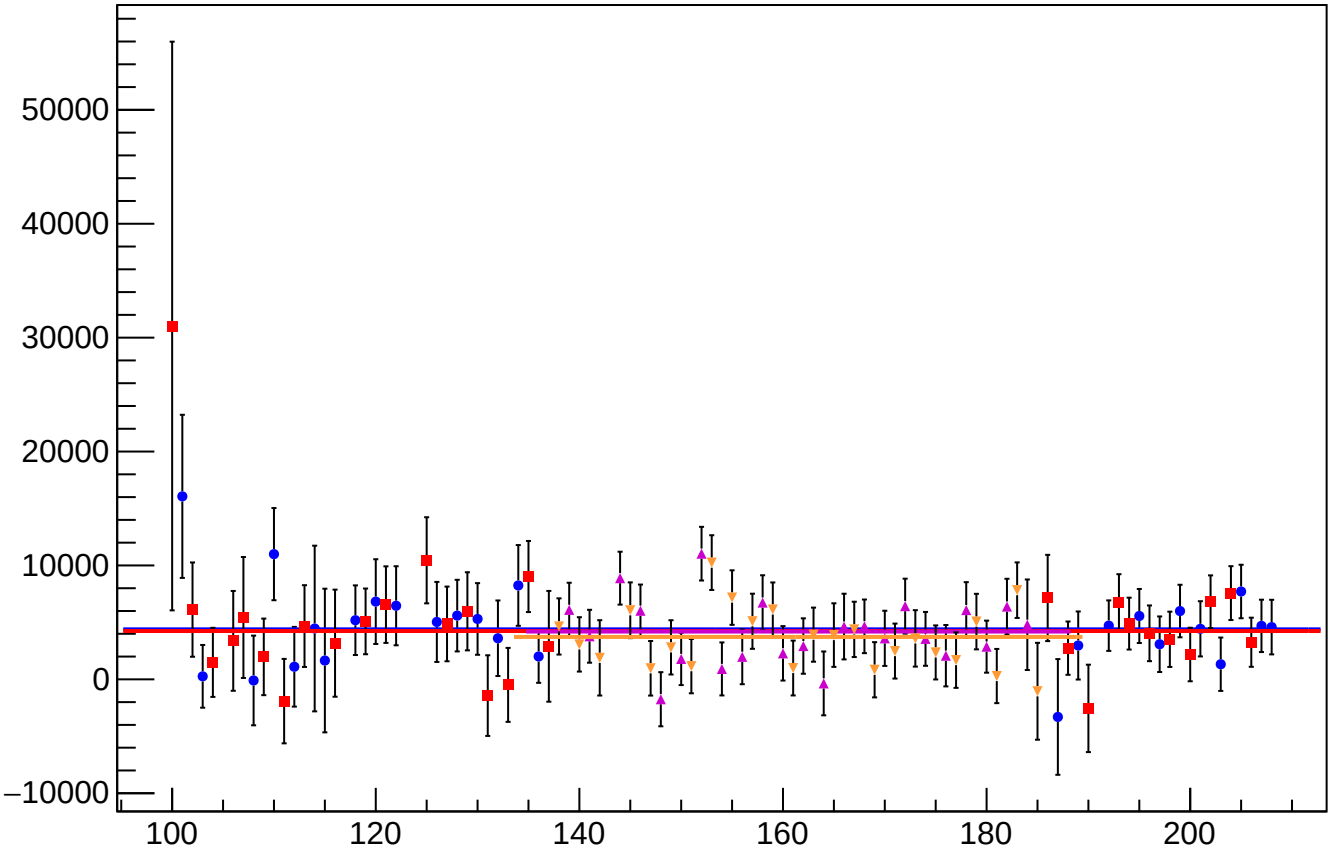
Right: -324.797+/-239.510 χ^2/NDF: 61.4/55

In: 136.901+/-266.562 χ^2/NDF:43.1/49

Out: -788.124+/-280.076 χ^2/NDF:56.9/52

All: -302.757+/-193.088 χ^2/NDF: 105.7/102


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1025.846+/-0.231 χ²/NDF: 10131253.9/26
Left Out: 1927.660+/-0.327 χ²/NDF:1798383.1/23
Right Out: 1083.832+/-0.249 χ²/NDF: 11676056.4/28
Left In: 1909.612+/-0.326 χ²/NDF:1942264.8/22
Left: 1918.603+/-0.231 χ²/NDF: 3742177.0/46
Right: 1052.692+/-0.169 χ²/NDF: 21836456.8/55
In: 1321.753+/-0.188 χ²/NDF:16969769.9/49
Out: 1393.432+/-0.198 χ²/NDF:17691468.5/52
All: 1355.821+/-0.137 χ²/NDF: 34729975.2/1



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4243.325+/-568.755 χ^2/NDF: 25.7/28

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

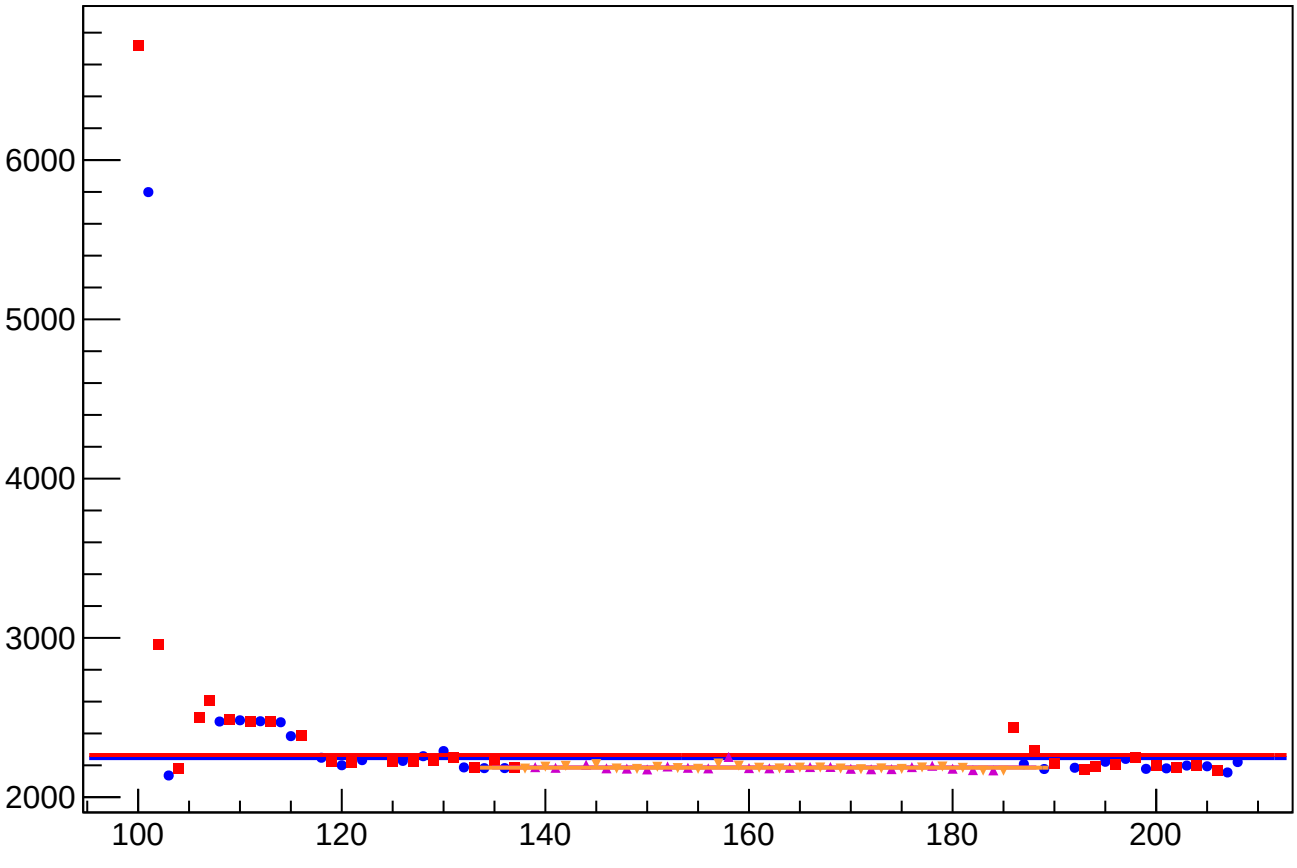
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4316.187+/-402.189 χ^2/NDF: 46.4/55

In: 4282.179+/-379.957 χ^2/NDF:52.8/49

Out: 3953.711+/-378.525 χ^2/NDF:51.7/52

All: 4117.325+/-268.162 χ^2/NDF: 104.8/102



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

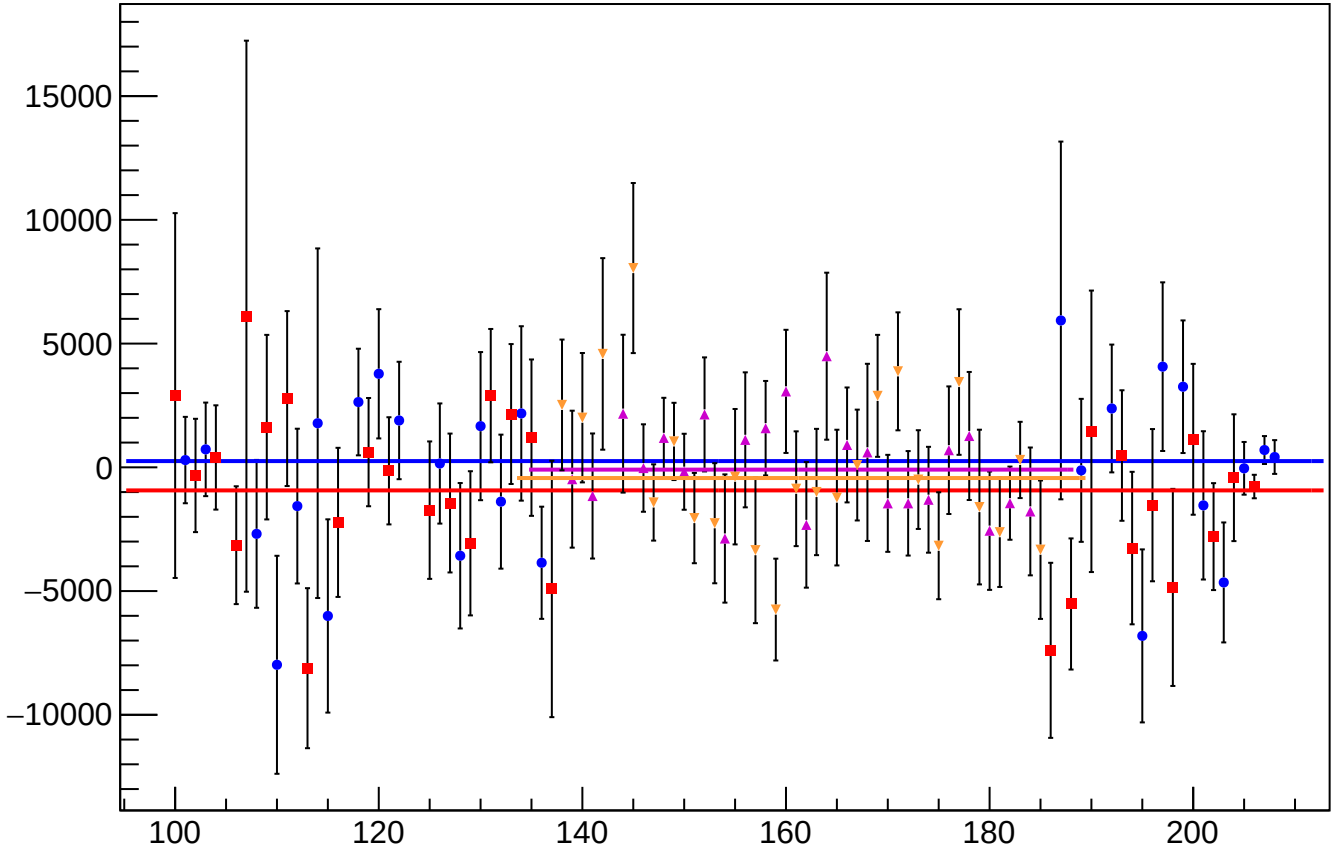
Right: 2254.900+/-0.284 χ^2/NDF: 719669.5/55

In: 2212.812+/-0.269 χ^2/NDF:549276.4/49

Out: 2220.347+/-0.268 χ^2/NDF:205551.6/52

All: 2216.594+/-0.190 χ^2/NDF: 755222.8/102

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 252.277+/-326.814 χ^2/NDF: 30.0/26

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -932.437+/-358.882 χ^2/NDF: 24.0/28

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

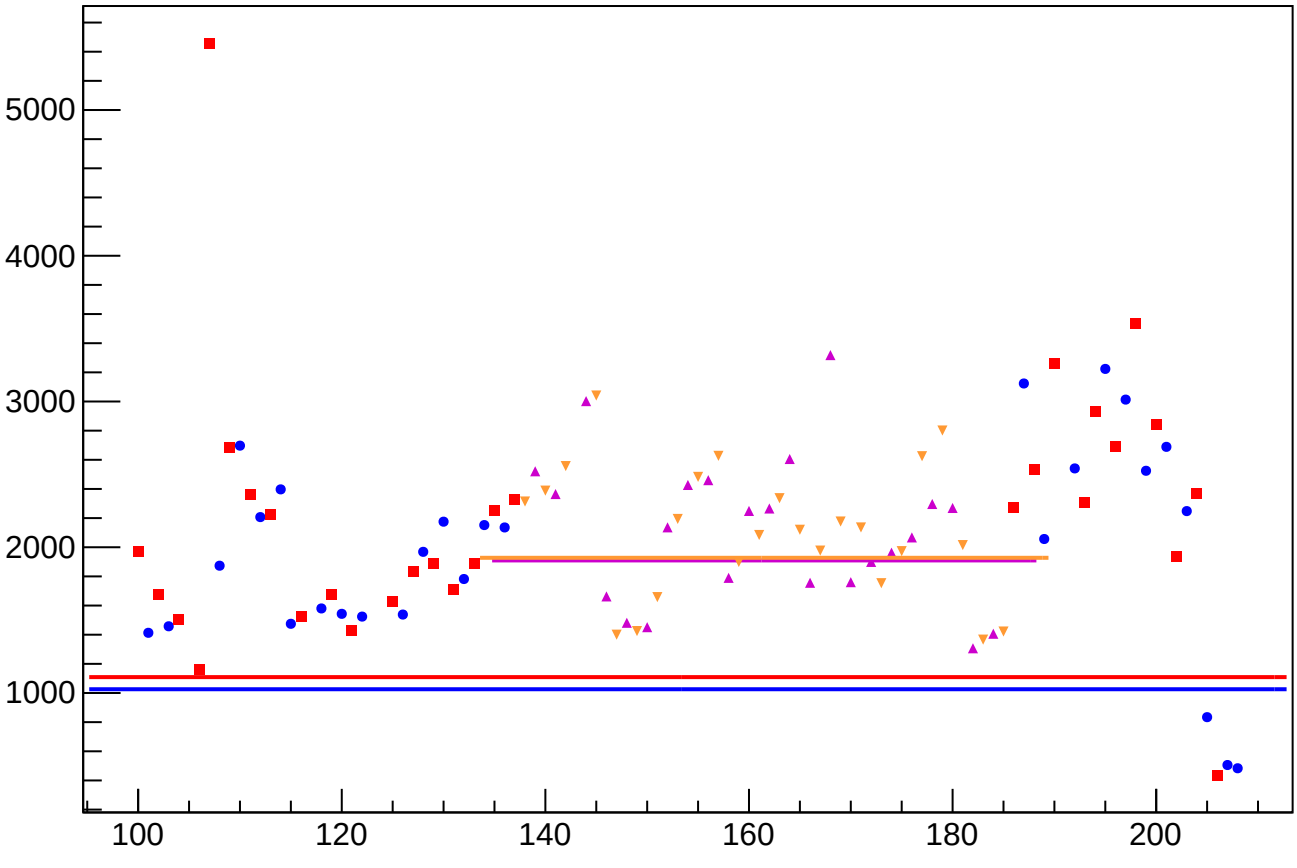
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -284.795+/-241.636 χ^2/NDF: 59.9/55

In: 136.813+/-266.550 χ^2/NDF:43.1/49

Out: -744.421+/-283.507 χ^2/NDF:56.0/52

All: -276.663+/-194.197 χ^2/NDF: 104.3/102



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

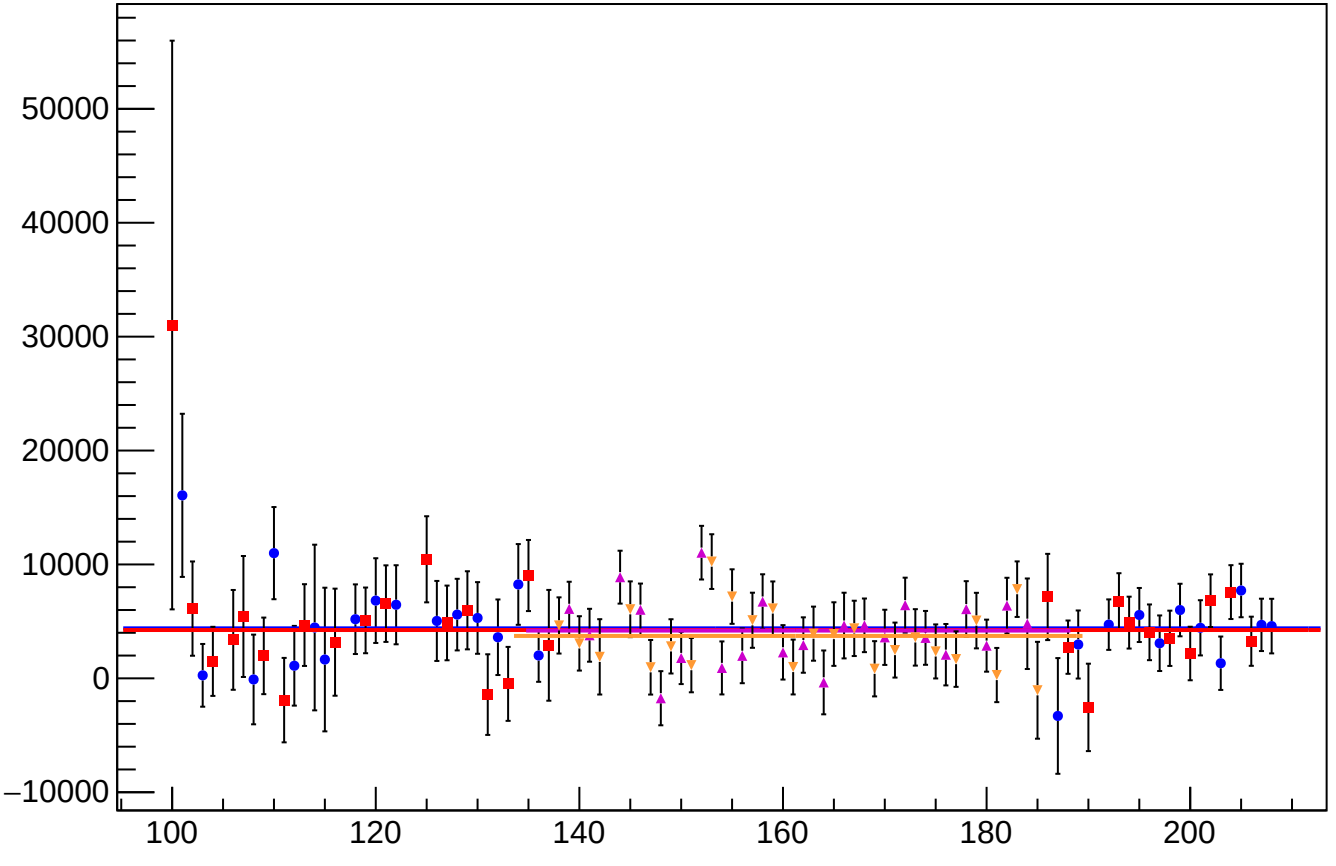
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1063.509+/-0.171 χ^2/NDF: 21721353.2/55

In: 1321.689+/-0.188 χ^2/NDF:16970421.6/49

Out: 1416.767+/-0.200 χ^2/NDF:17242554.1/52

All: 1366.300+/-0.137 χ^2/NDF: 34332372.3/1



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4243.325+/-568.755 χ^2/NDF: 25.7/28

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

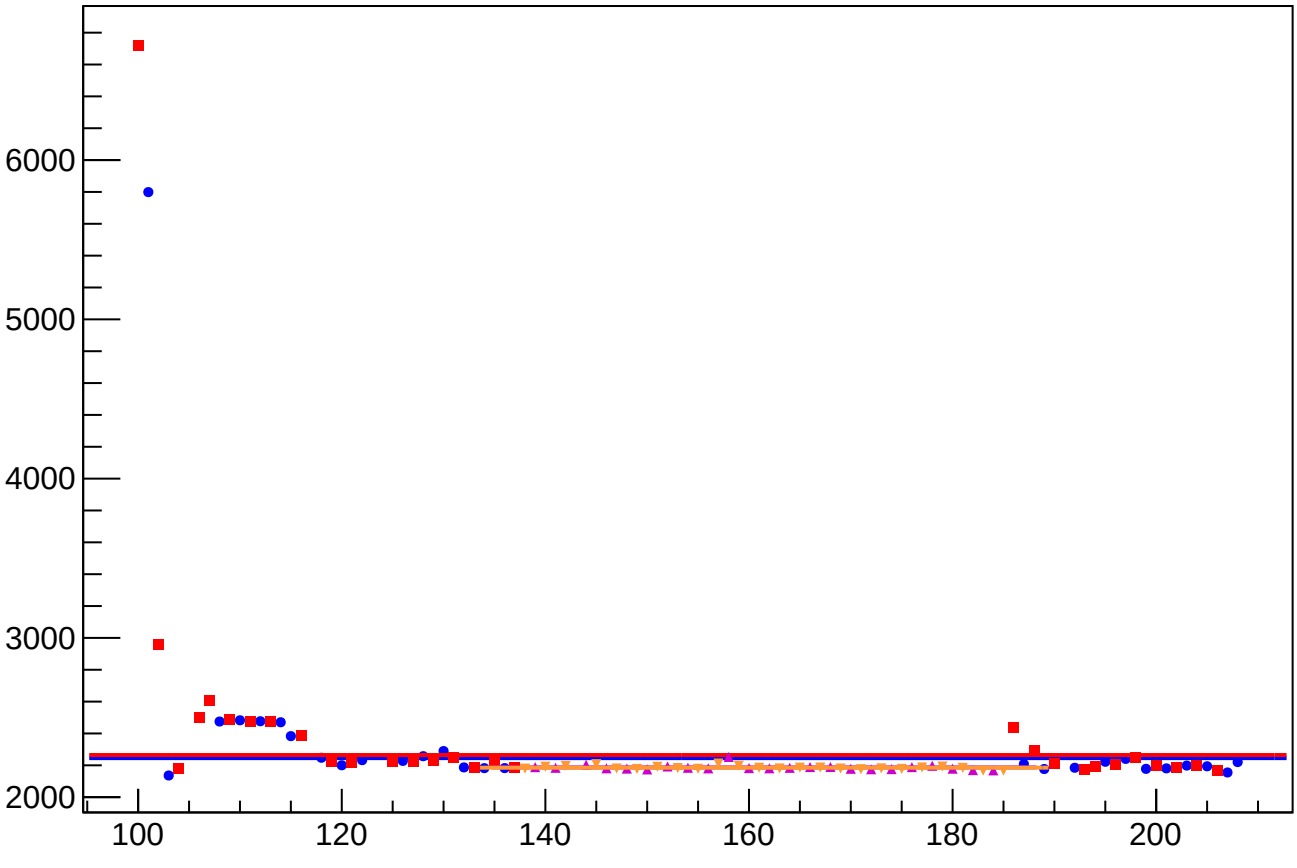
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4316.187+/-402.189 χ^2/NDF: 46.4/55

In: 4282.179+/-379.957 χ^2/NDF:52.8/49

Out: 3953.711+/-378.525 χ^2/NDF:51.7/52

All: 4117.325+/-268.162 χ^2/NDF: 104.8/102



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

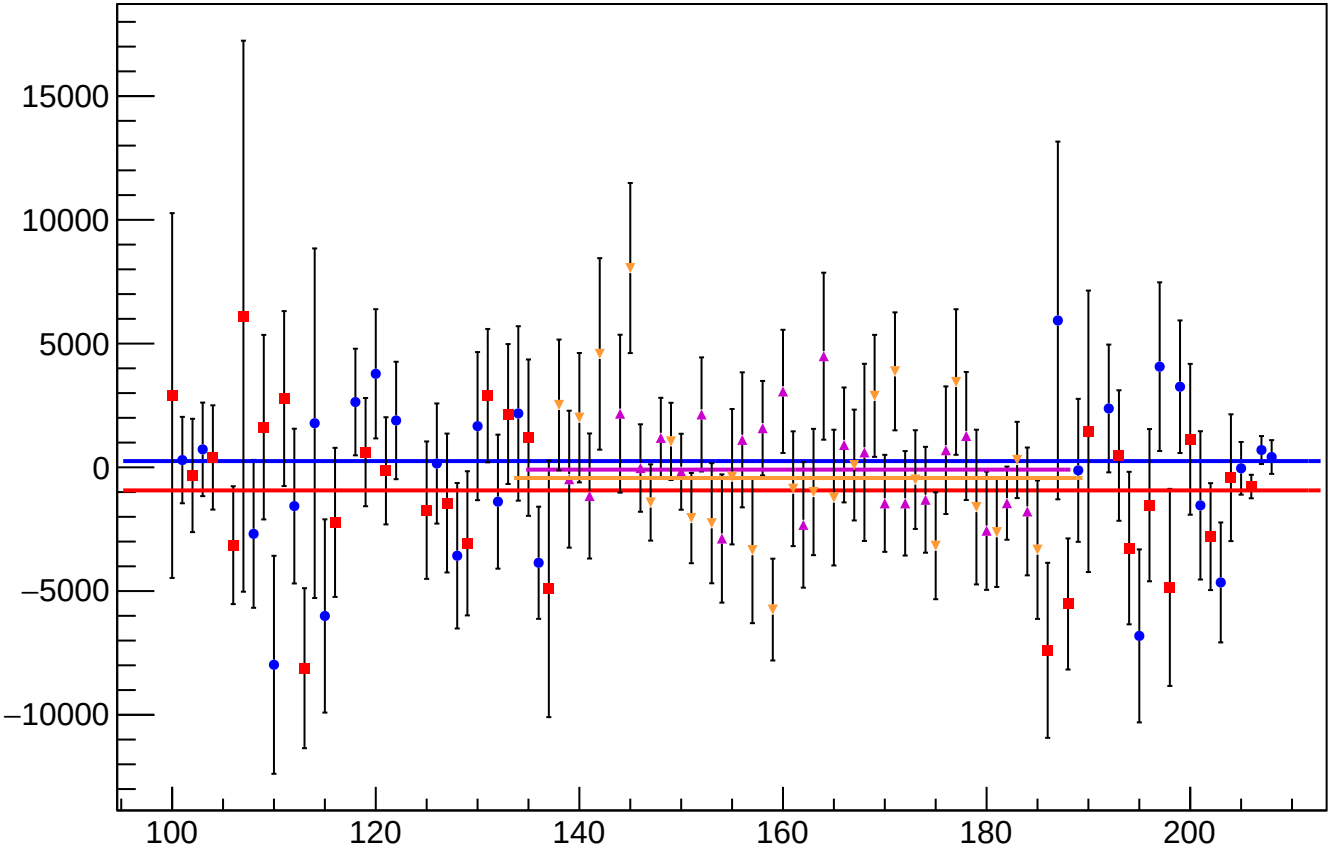
Right: 2254.900+/-0.284 χ^2/NDF: 719669.5/55

In: 2212.812+/-0.269 χ^2/NDF:549276.4/49

Out: 2220.347+/-0.268 χ^2/NDF:205551.6/52

All: 2216.594+/-0.190 χ^2/NDF: 755222.8/102

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 252.277+/-326.814 χ^2/NDF: 30.0/26

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -932.437+/-358.882 χ^2/NDF: 24.0/28

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

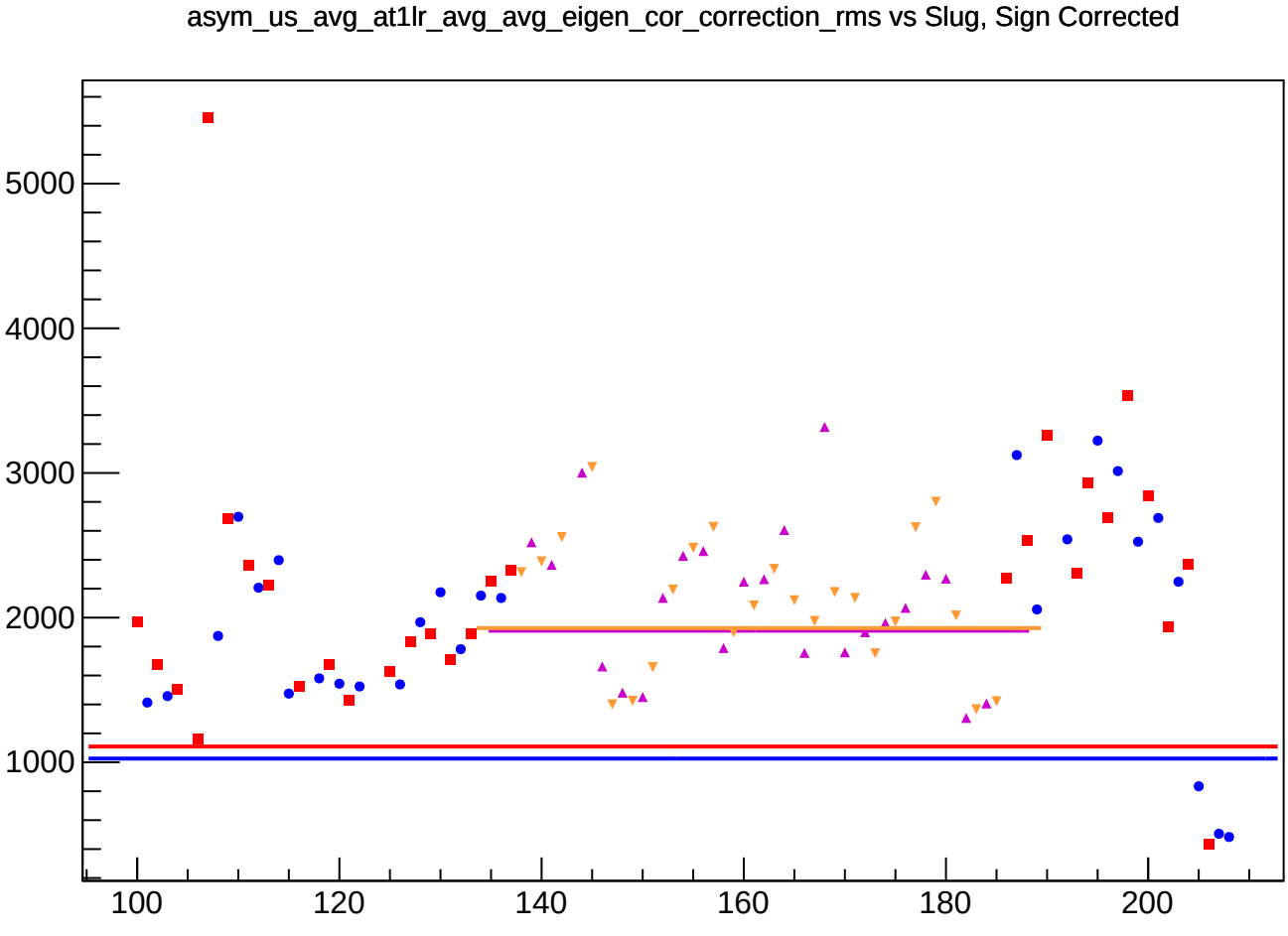
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -284.795+/-241.636 χ^2/NDF: 59.9/55

In: 136.813+/-266.550 χ^2/NDF:43.1/49

Out: -744.421+/-283.507 χ^2/NDF:56.0/52

All: -276.663+/-194.197 χ^2/NDF: 104.3/102



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

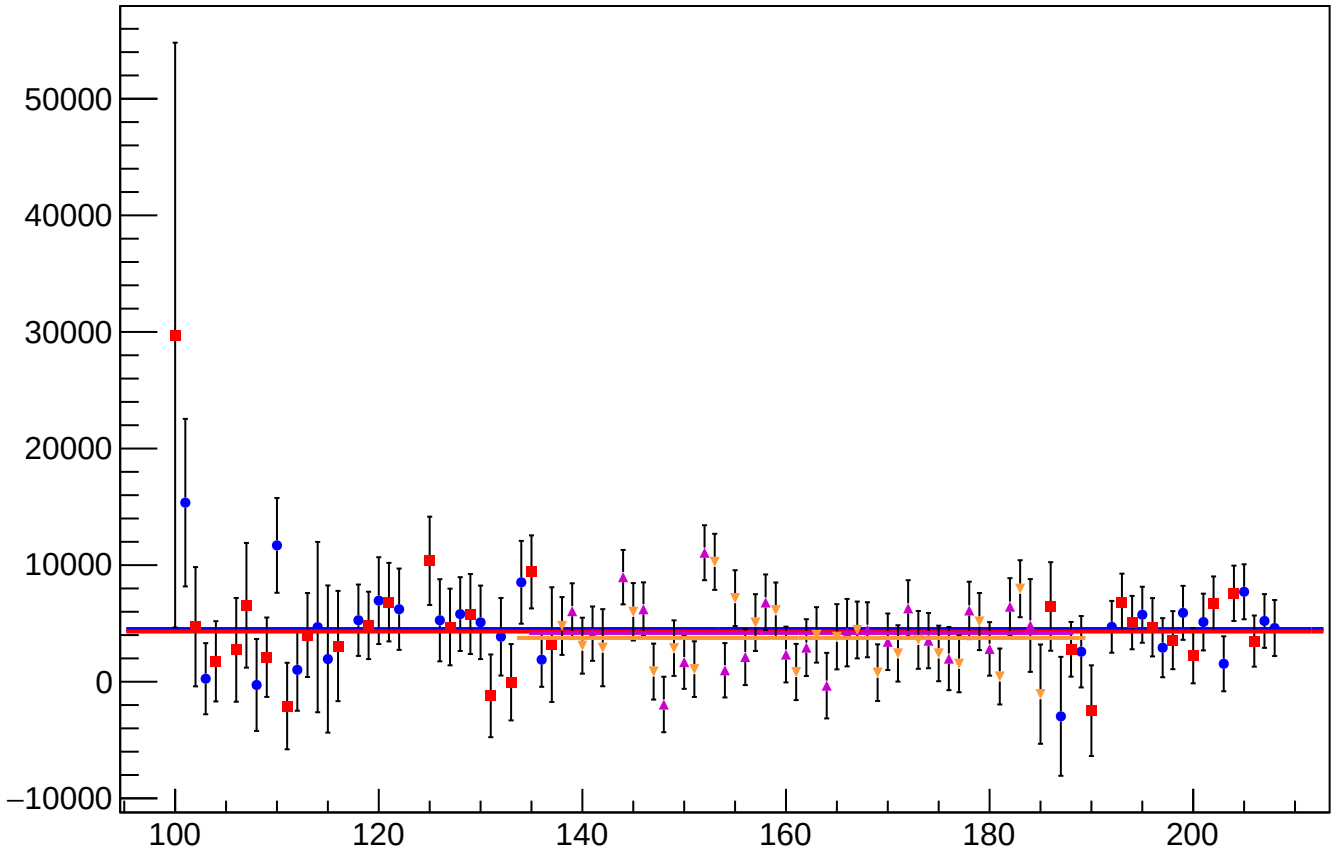
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1063.509+/-0.171 χ^2/NDF: 21721353.2/55

In: 1321.689+/-0.188 χ^2/NDF:16970421.6/49

Out: 1416.767+/-0.200 χ^2/NDF:17242554.1/52

All: 1366.300+/-0.137 χ^2/NDF: 34332372.3/1



Right In: 4517.292+/-574.816 χ^2/NDF: 20.7/26

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4304.223+/-577.505 χ^2/NDF: 24.5/28

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

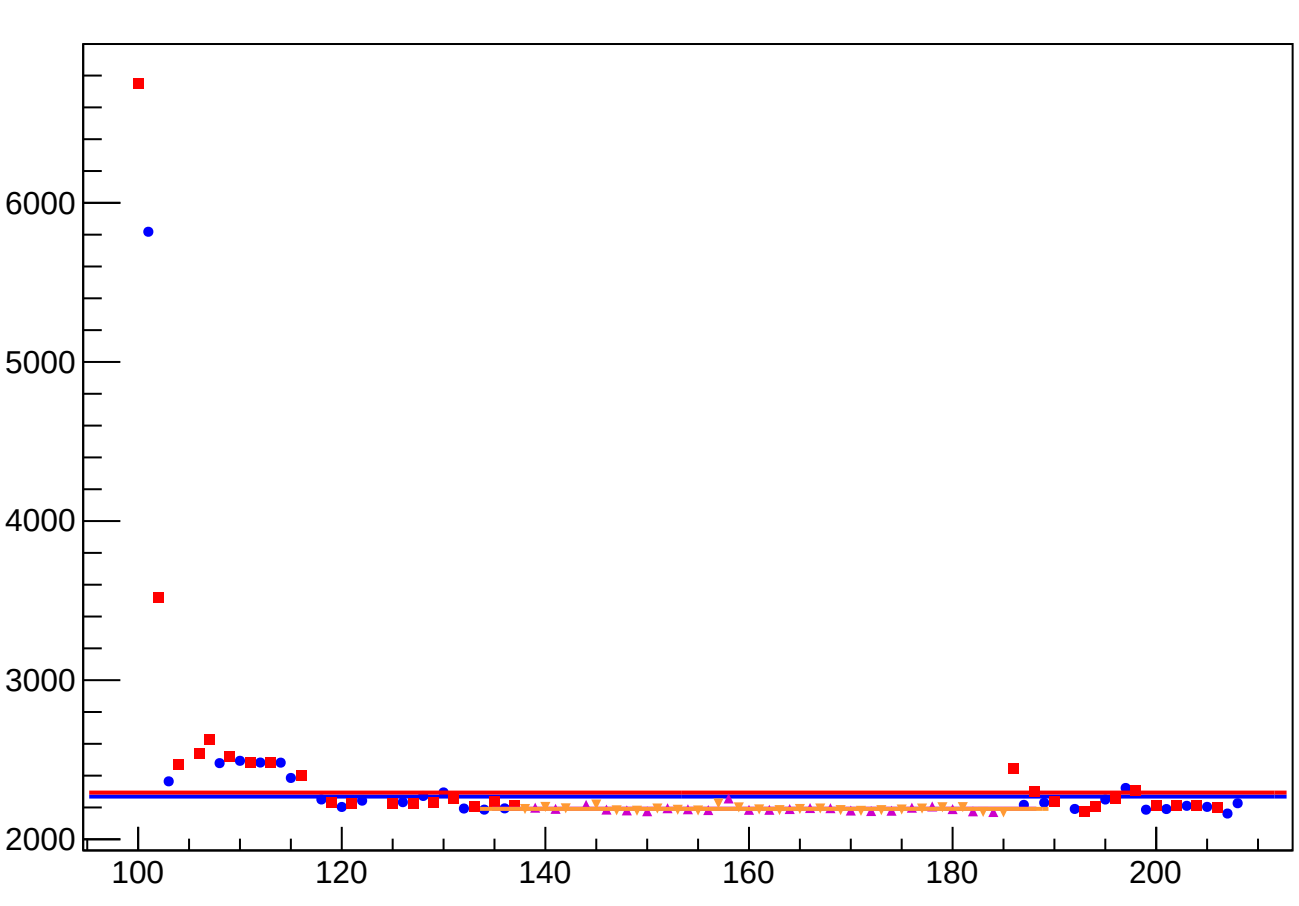
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4411.255+/-407.403 χ^2/NDF: 45.3/55

In: 4331.522+/-382.269 χ^2/NDF:53.6/49

Out: 3994.364+/-381.670 χ^2/NDF:50.6/52

All: 4162.679+/-270.093 χ^2/NDF: 104.6/102



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.3/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2293.546+/-0.408 χ^2/NDF: 247057.4/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

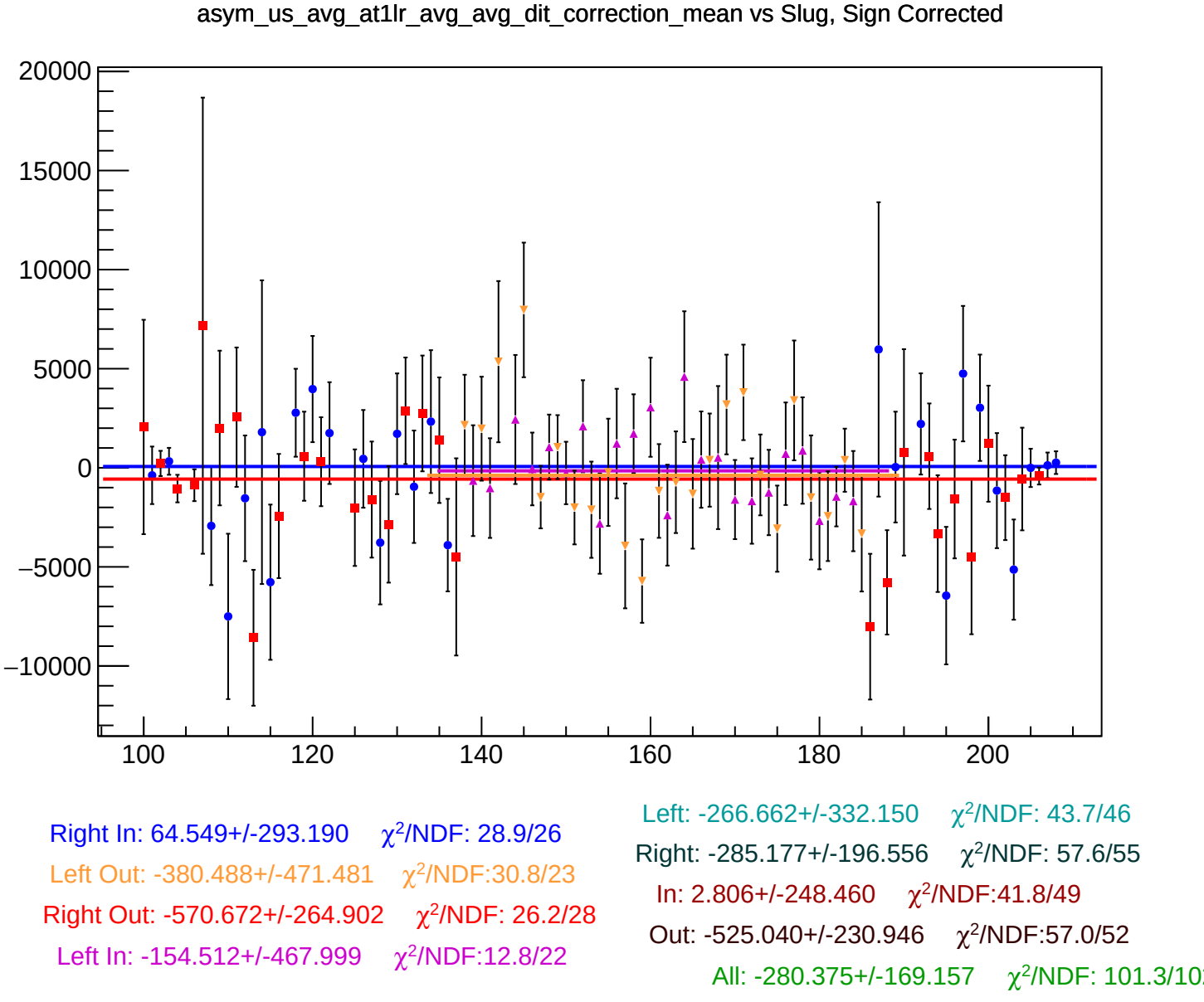
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

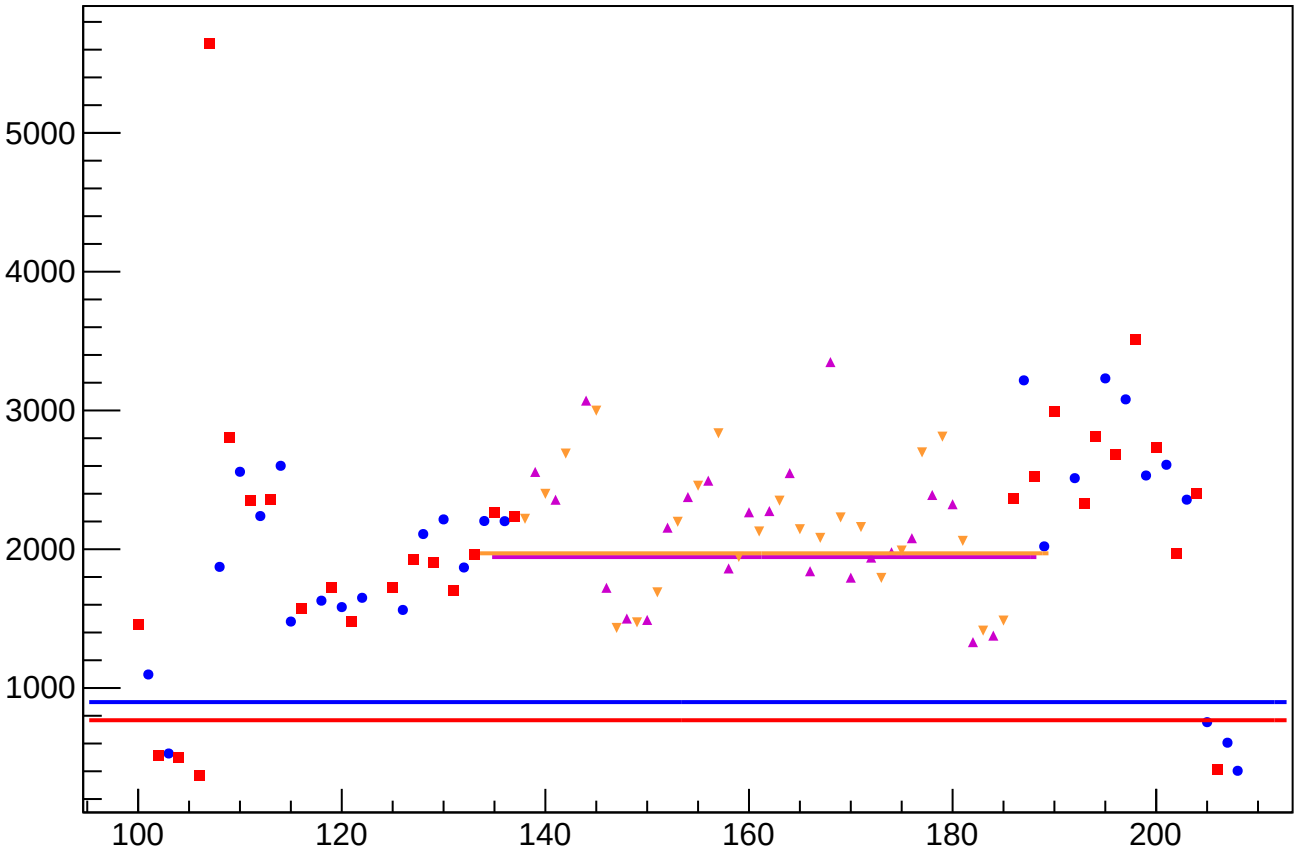
Right: 2280.961+/-0.288 χ^2/NDF: 782166.5/55

In: 2225.942+/-0.270 χ^2/NDF:555150.0/49

Out: 2235.873+/-0.270 χ^2/NDF:283701.7/52

All: 2230.915+/-0.191 χ^2/NDF: 839527.7/102


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 64.549+/-293.190 χ²/NDF: 28.9/26
Left Out: -380.488+/-471.481 χ²/NDF:30.8/23
Right Out: -570.672+/-264.902 χ²/NDF: 26.2/28
Left In: -154.512+/-467.999 χ²/NDF:12.8/22
Left: -266.662+/-332.150 χ²/NDF: 43.7/46
Right: -285.177+/-196.556 χ²/NDF: 57.6/55
In: 2.806+/-248.460 χ²/NDF:41.8/49
Out: -525.040+/-230.946 χ²/NDF:57.0/52
All: -280.375+/-169.157 χ²/NDF: 101.3/102



Right In: 898.460+/-0.207 χ^2/NDF: 11199948.3/26

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 767.806+/-0.187 χ^2/NDF: 14392713.8/28

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

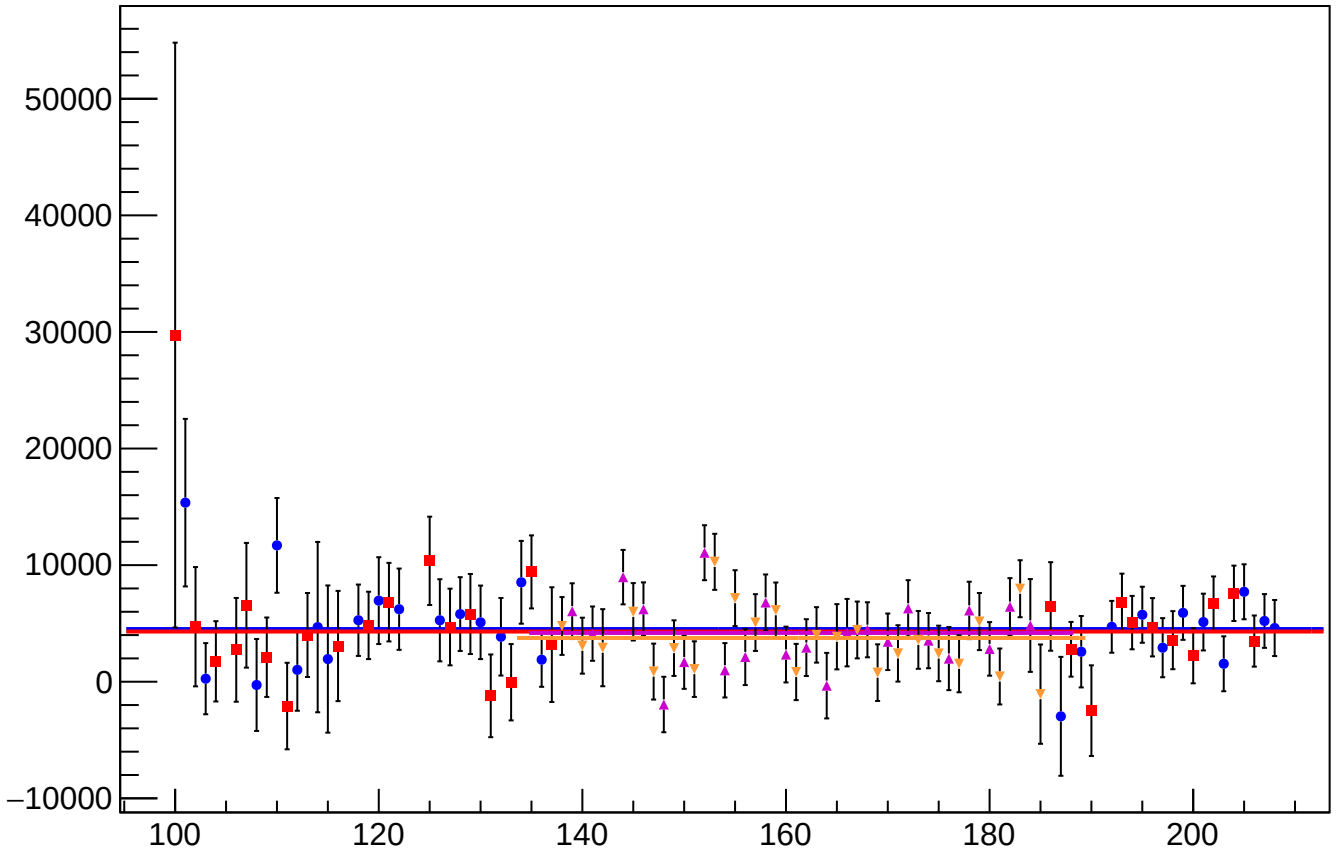
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 826.527+/-0.139 χ^2/NDF: 25811325.6/55

In: 1193.043+/-0.176 χ^2/NDF:20246381.0/49

Out: 1056.412+/-0.163 χ^2/NDF:25983441.4/52

All: 1119.743+/-0.120 χ^2/NDF: 46554291.6/



Right In: 4517.290+/-574.815 χ^2/NDF: 20.7/26

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4304.218+/-577.505 χ^2/NDF: 24.5/28

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

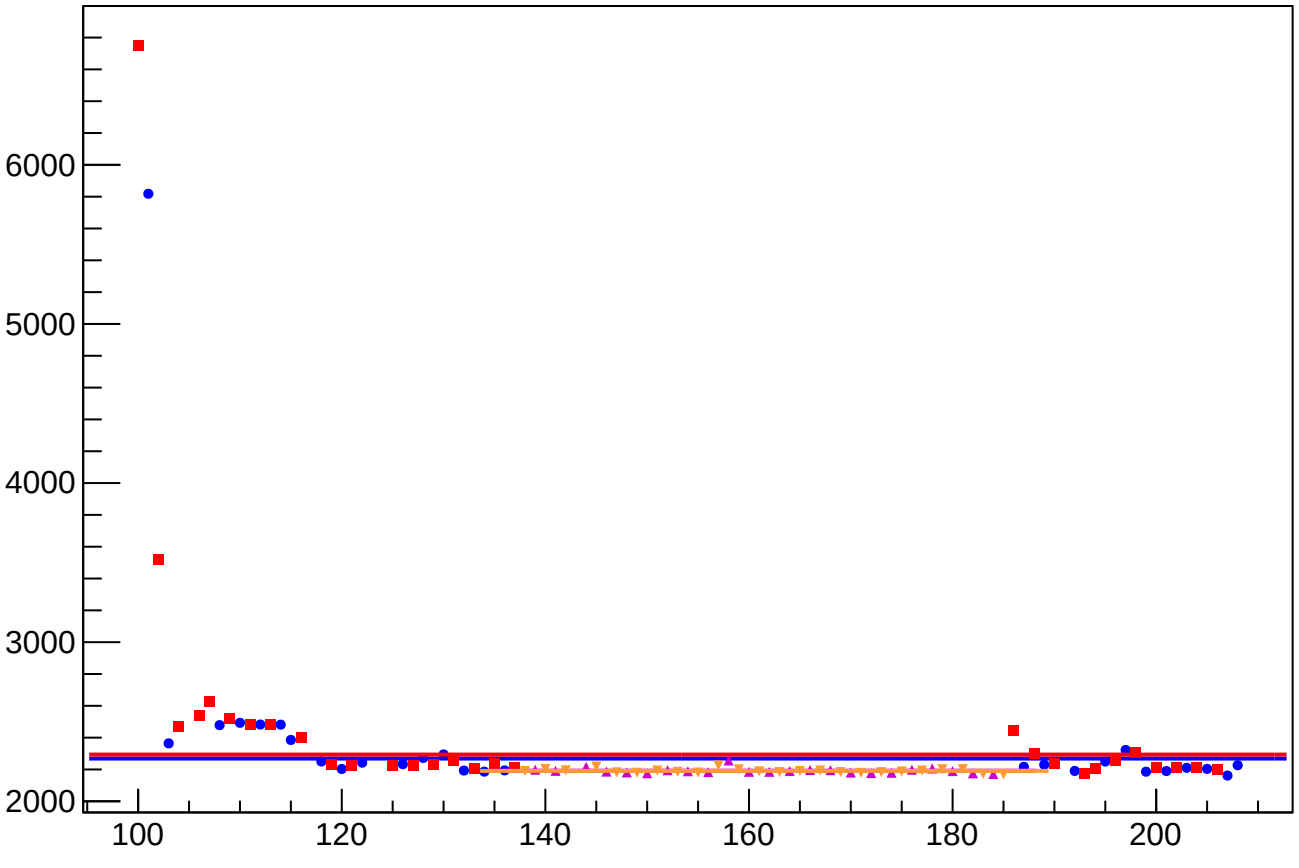
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4411.251+/-407.403 χ^2/NDF: 45.3/55

In: 4331.522+/-382.269 χ^2/NDF:53.6/49

Out: 3994.361+/-381.670 χ^2/NDF:50.6/52

All: 4162.677+/-270.093 χ^2/NDF: 104.6/102



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.2/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2293.546+/-0.408 χ^2/NDF: 247056.2/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

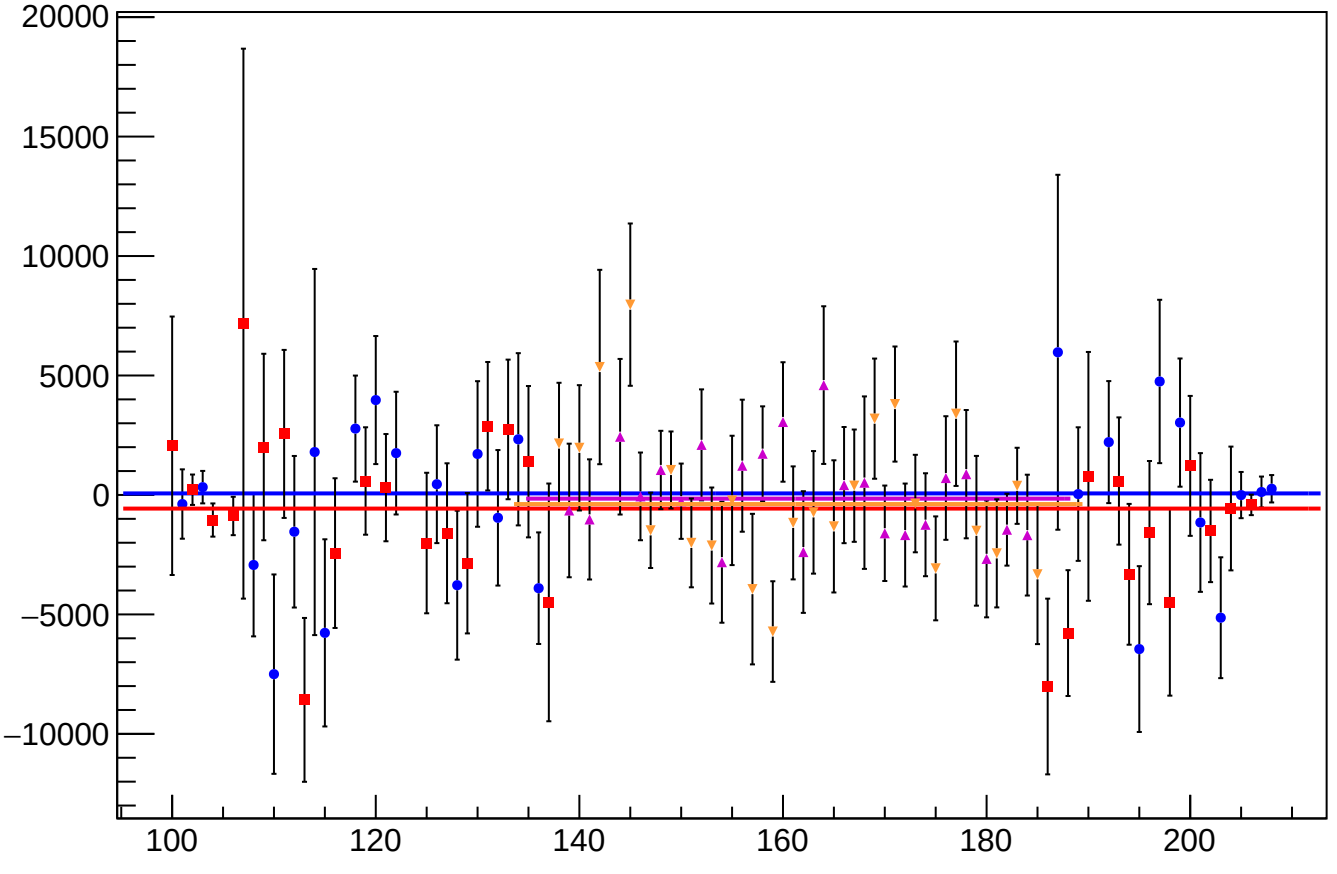
Right: 2280.961+/-0.288 χ^2/NDF: 782165.2/55

In: 2225.942+/-0.270 χ^2/NDF:555149.8/49

Out: 2235.873+/-0.270 χ^2/NDF:283700.3/52

All: 2230.915+/-0.191 χ^2/NDF: 839526.0/102

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 64.545+/-293.190 χ^2/NDF: 28.9/26

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -570.670+/-264.903 χ^2/NDF: 26.2/28

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

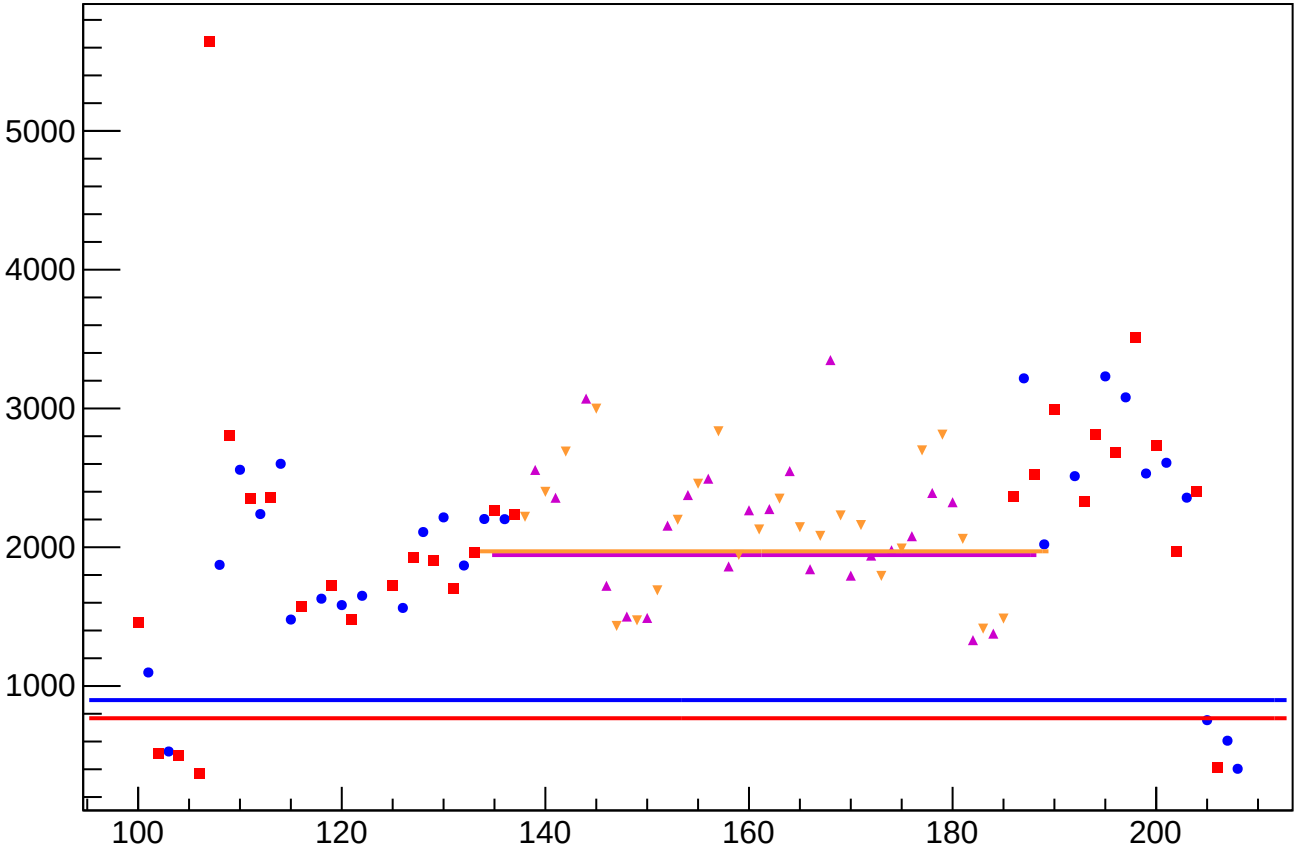
Right: -285.176+/-196.557 χ^2/NDF: 57.6/55

In: 2.803+/-248.460 χ^2/NDF:41.8/49

Out: -525.039+/-230.947 χ^2/NDF:57.0/52

All: -280.375+/-169.157 χ^2/NDF: 101.3/102

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 898.460+/-0.207 χ^2/NDF: 11199964.9/26

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 767.811+/-0.187 χ^2/NDF: 14392649.5/28

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

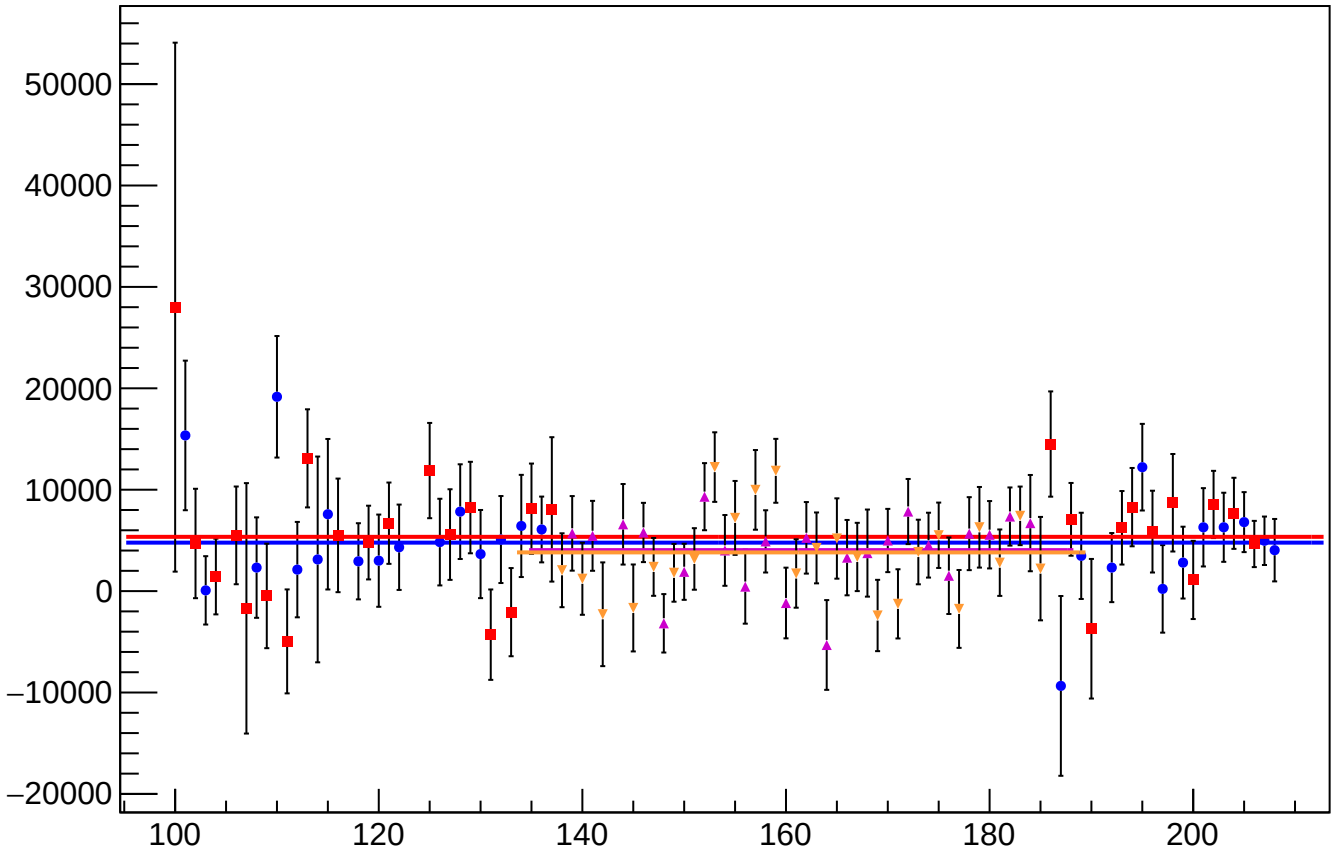
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 826.530+/-0.139 χ^2/NDF: 25811261.3/55

In: 1193.044+/-0.176 χ^2/NDF:20246426.6/49

Out: 1056.418+/-0.163 χ^2/NDF:25983312.8/52

All: 1119.746+/-0.120 χ^2/NDF: 46554183.0/



Right In: 4780.351+/-776.930 χ^2/NDF: 20.2/26

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5352.415+/-795.733 χ^2/NDF: 29.6/28

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

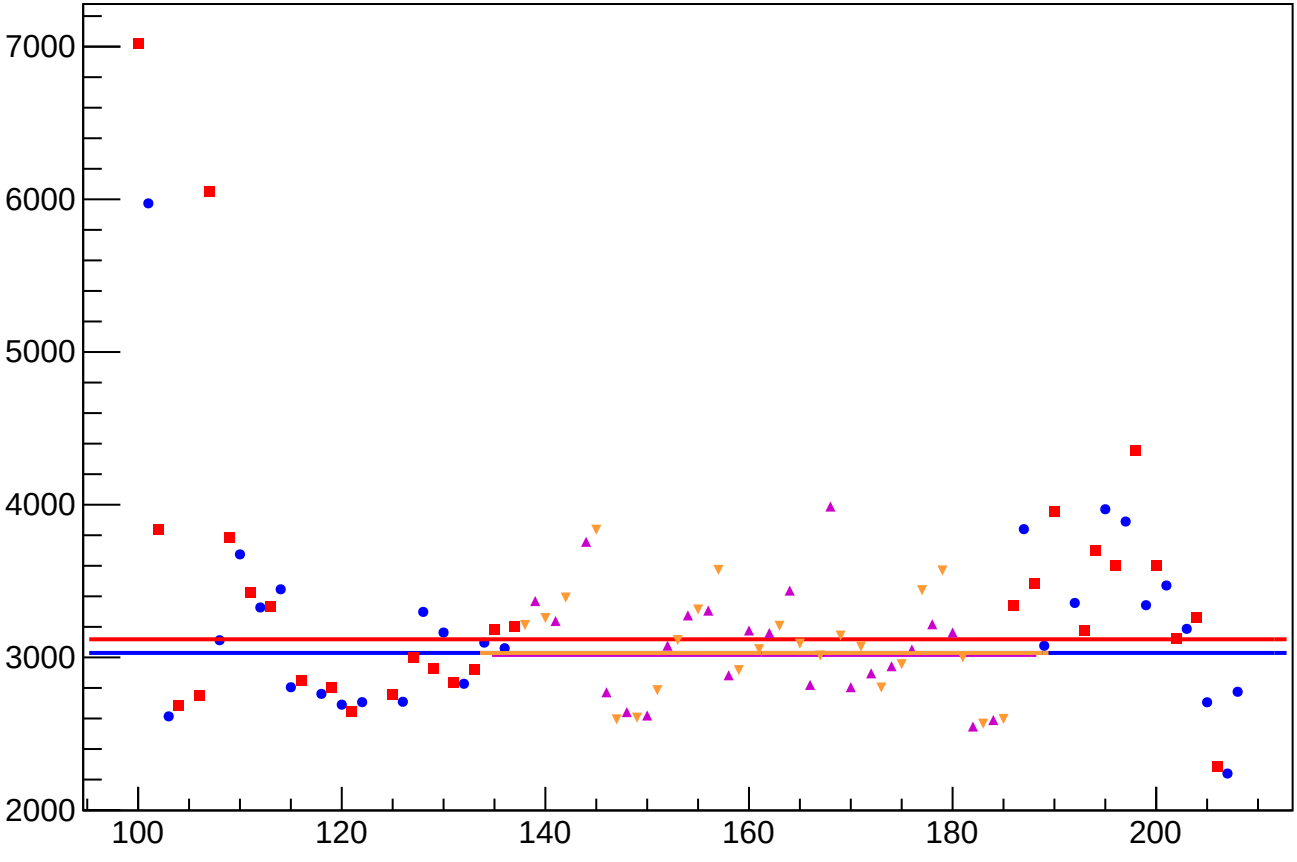
Right: 5059.544+/-555.901 χ^2/NDF: 50.0/55

In: 4378.018+/-523.941 χ^2/NDF:43.2/49

Out: 4496.231+/-529.071 χ^2/NDF:62.6/52

All: 4436.549+/-372.283 χ^2/NDF: 105.7/102

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3029.315+/-0.549 χ^2/NDF: 957999.2/26

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3118.645+/-0.563 χ^2/NDF: 914193.1/28

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

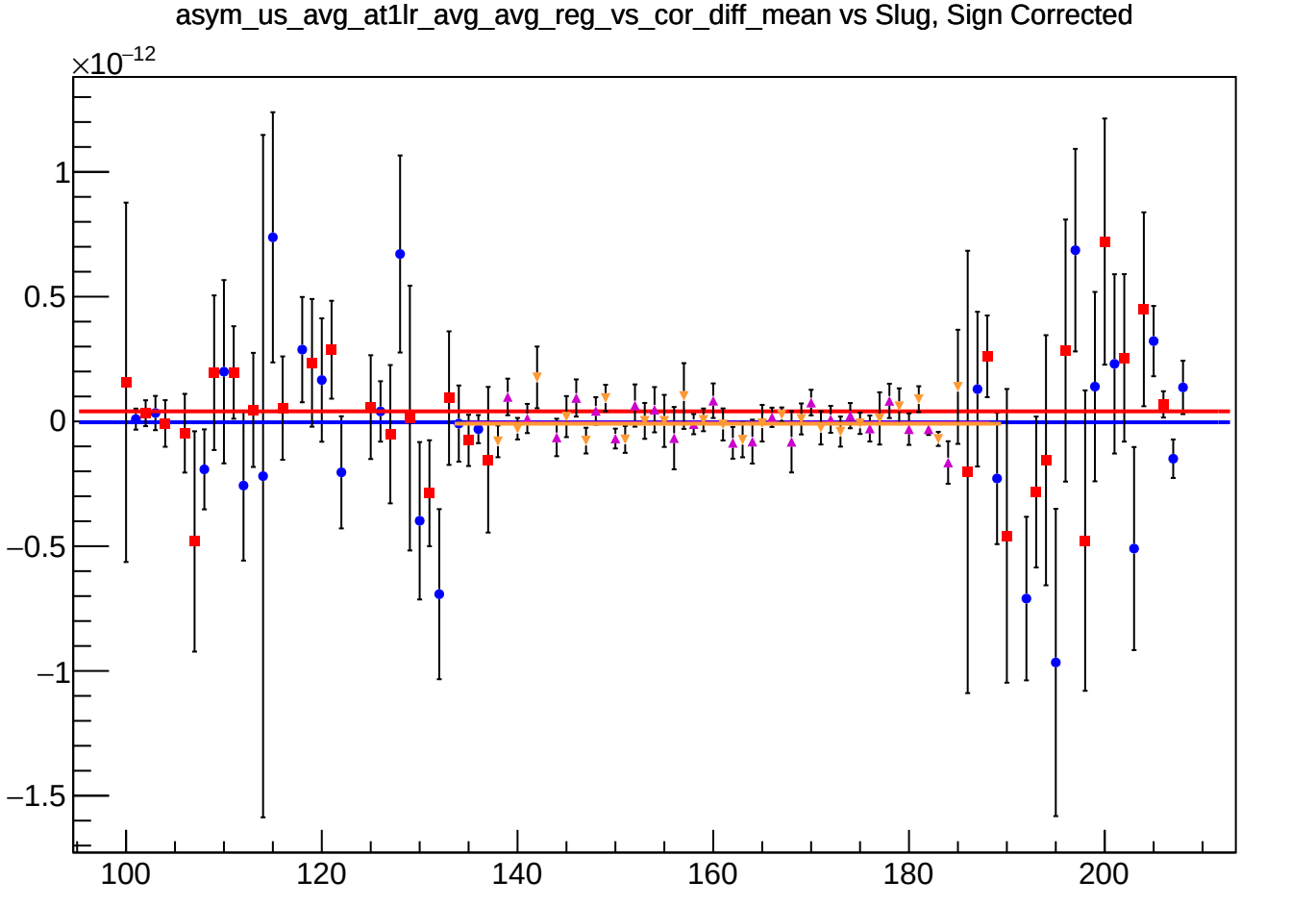
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3072.912+/-0.393 χ^2/NDF: 1885096.2/55

In: 3022.193+/-0.370 χ^2/NDF:1398205.3/49

Out: 3068.620+/-0.374 χ^2/NDF:1325471.6/52

All: 3045.180+/-0.263 χ^2/NDF: 2731452.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/28

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

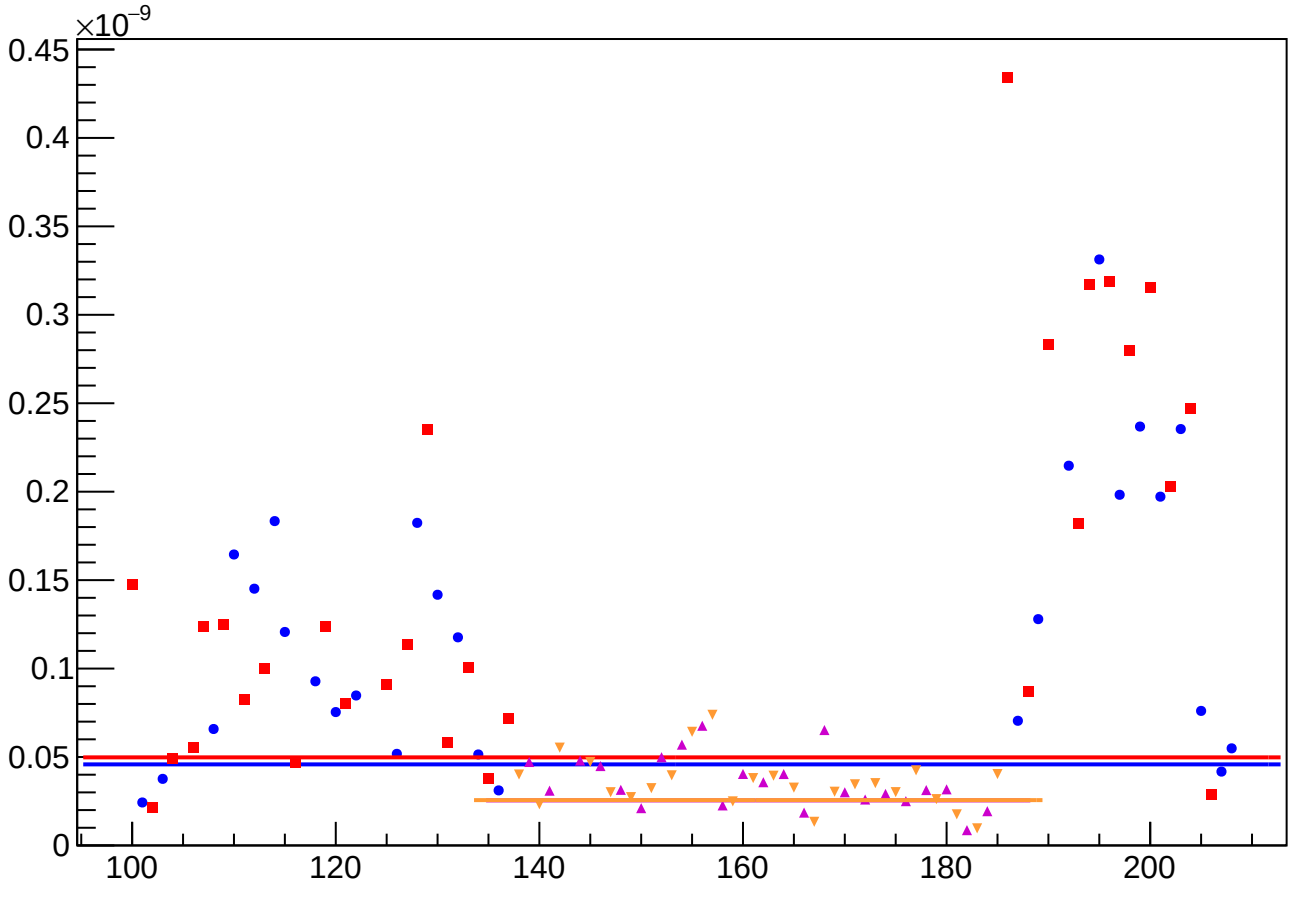
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 60.1/55

In: -0.000+/-0.000 χ^2/NDF:64.0/49

Out: -0.000+/-0.000 χ^2/NDF:44.9/52

All: -0.000+/-0.000 χ^2/NDF: 108.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 4776029.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6116308.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

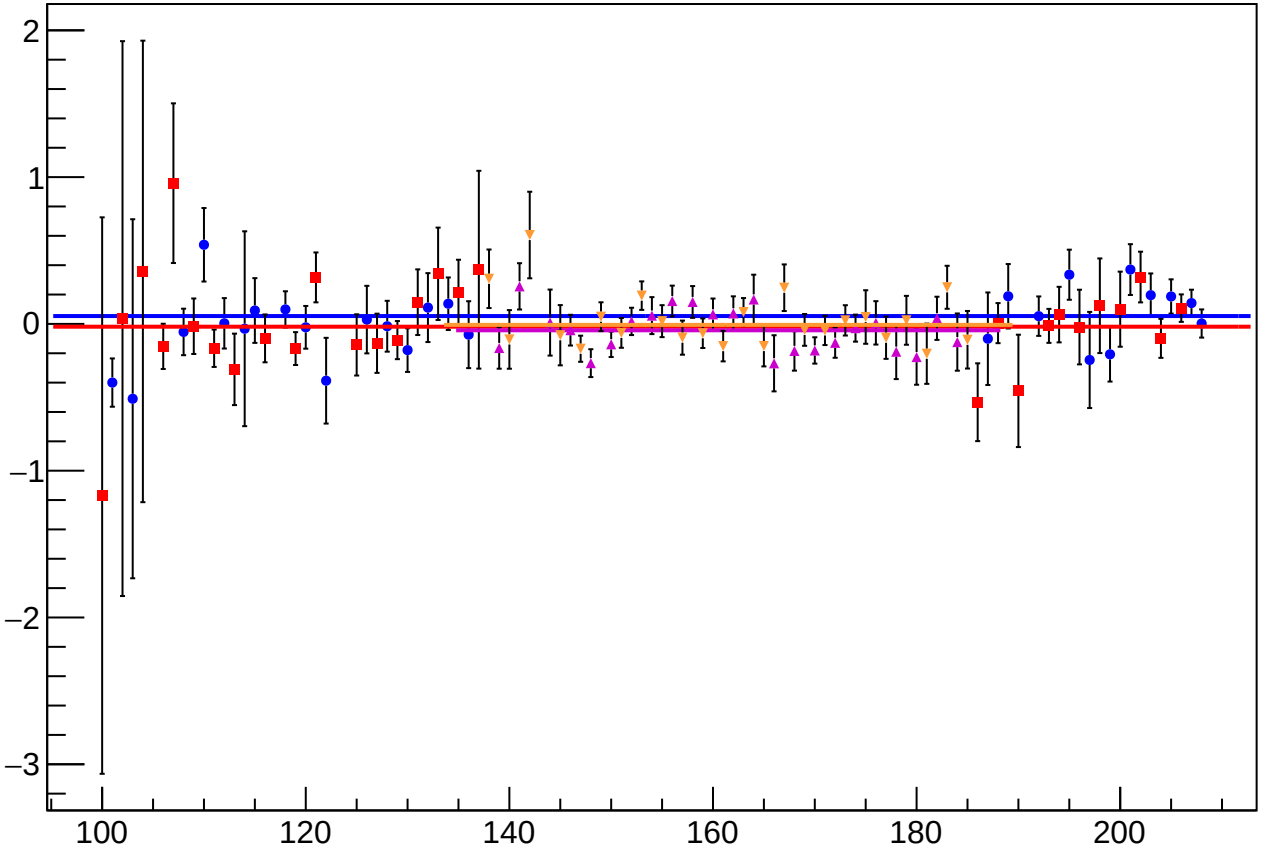
Right: 0.000+/-0.000 χ^2/NDF: 10915442.6/55

In: 0.000+/-0.000 χ^2/NDF:8757343.9/49

Out: 0.000+/-0.000 χ^2/NDF:9848689.6/52

All: 0.000+/-0.000 χ^2/NDF: 18606136.2/102

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

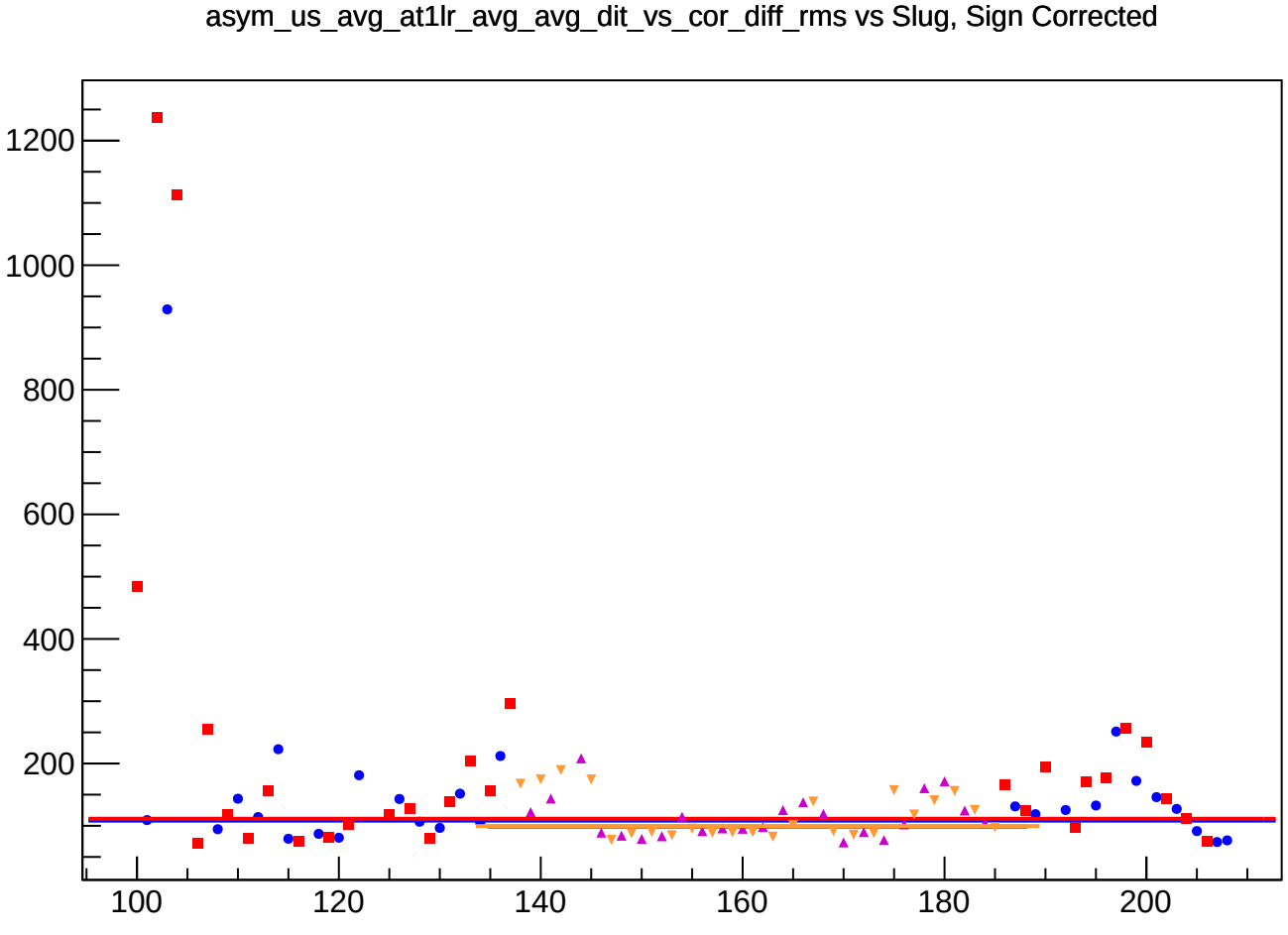
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.019+/-0.023 χ^2/NDF: 62.7/55

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/102



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

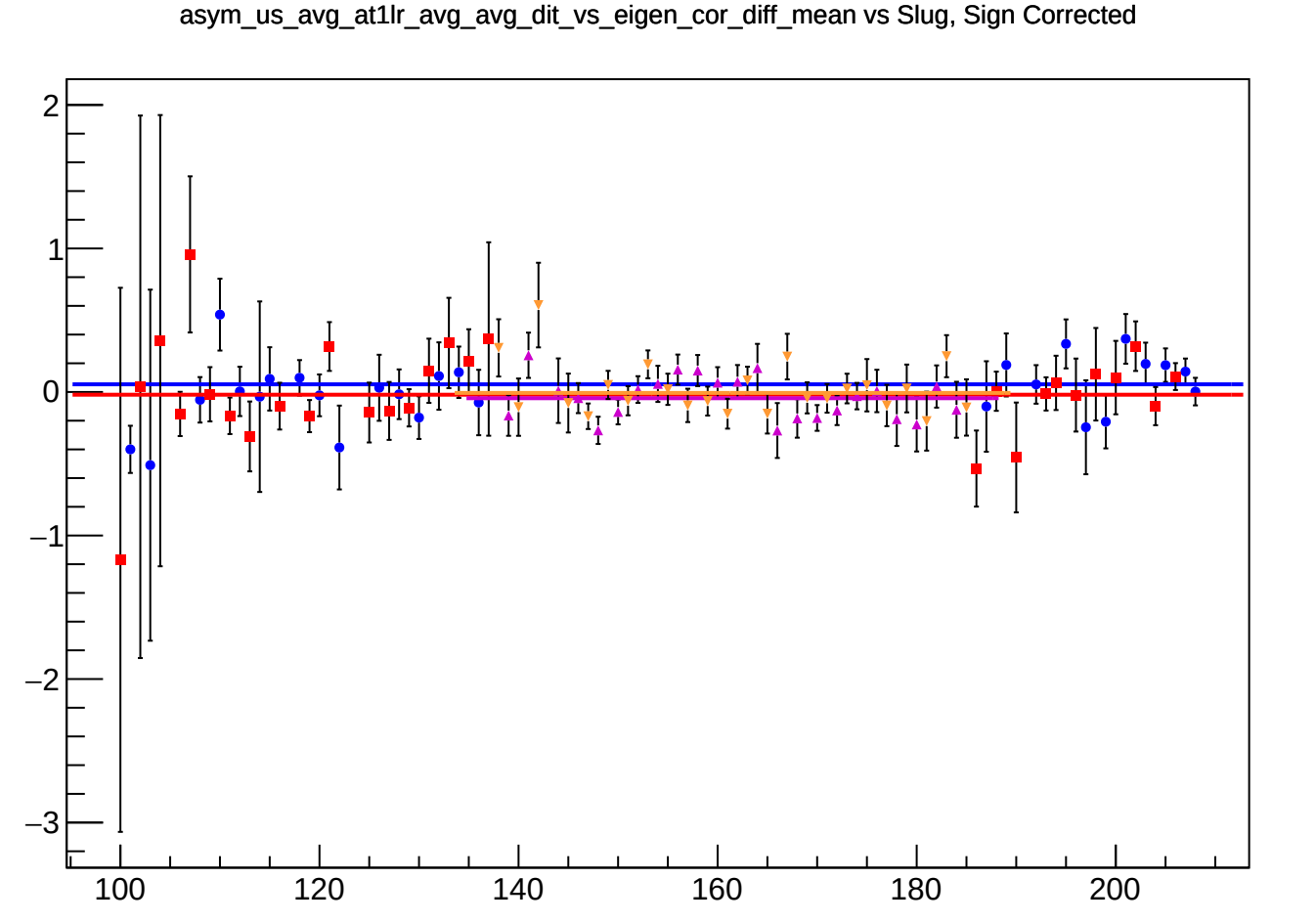
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 109.750+/-0.016 χ^2/NDF: 7910671.3/55

In: 102.372+/-0.014 χ^2/NDF:5343071.9/49

Out: 103.823+/-0.014 χ^2/NDF:6902853.5/52

All: 103.079+/-0.010 χ^2/NDF: 12251209.5/10



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

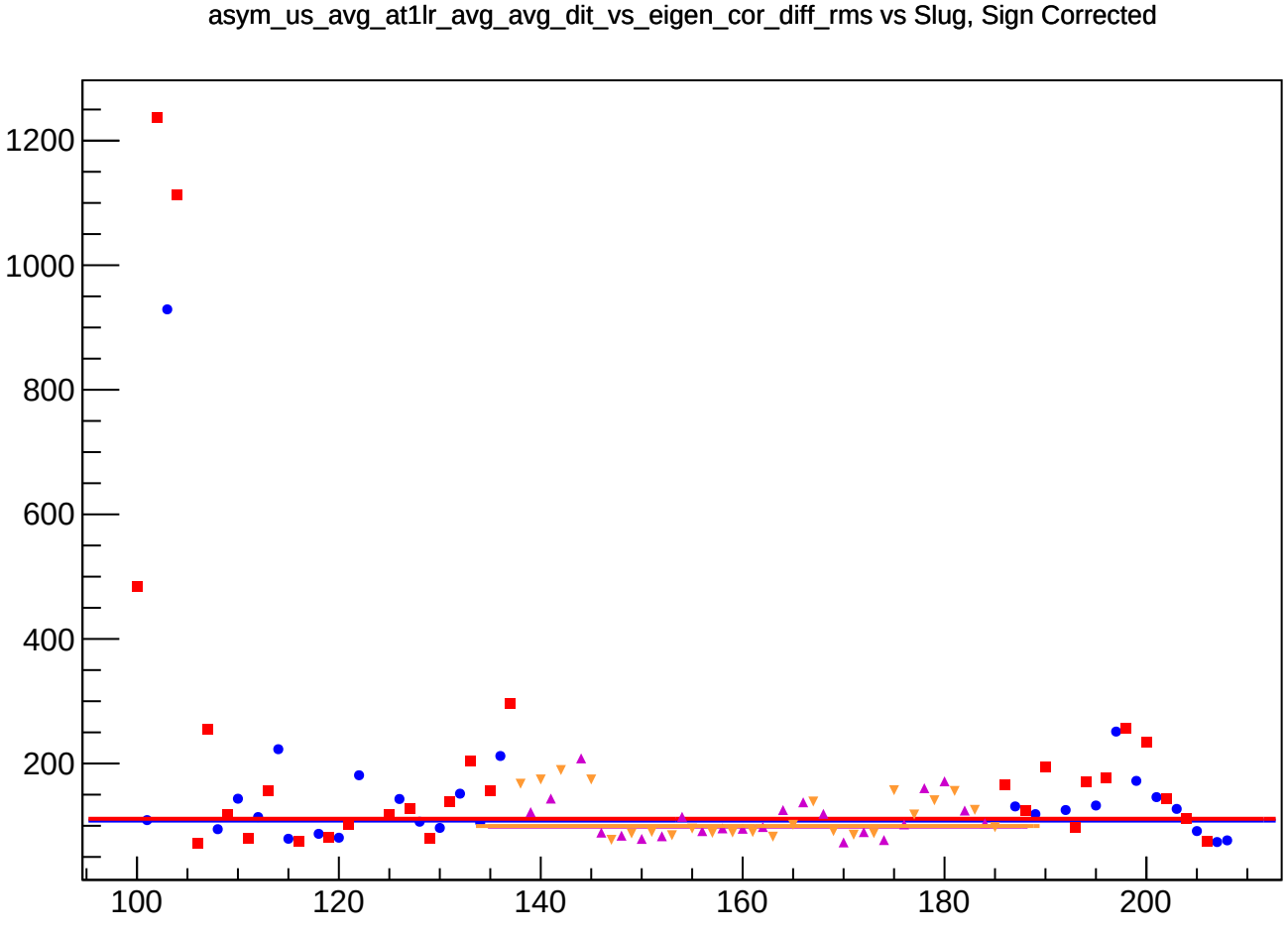
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.019+/-0.023 χ^2/NDF: 62.7/55

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/102



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

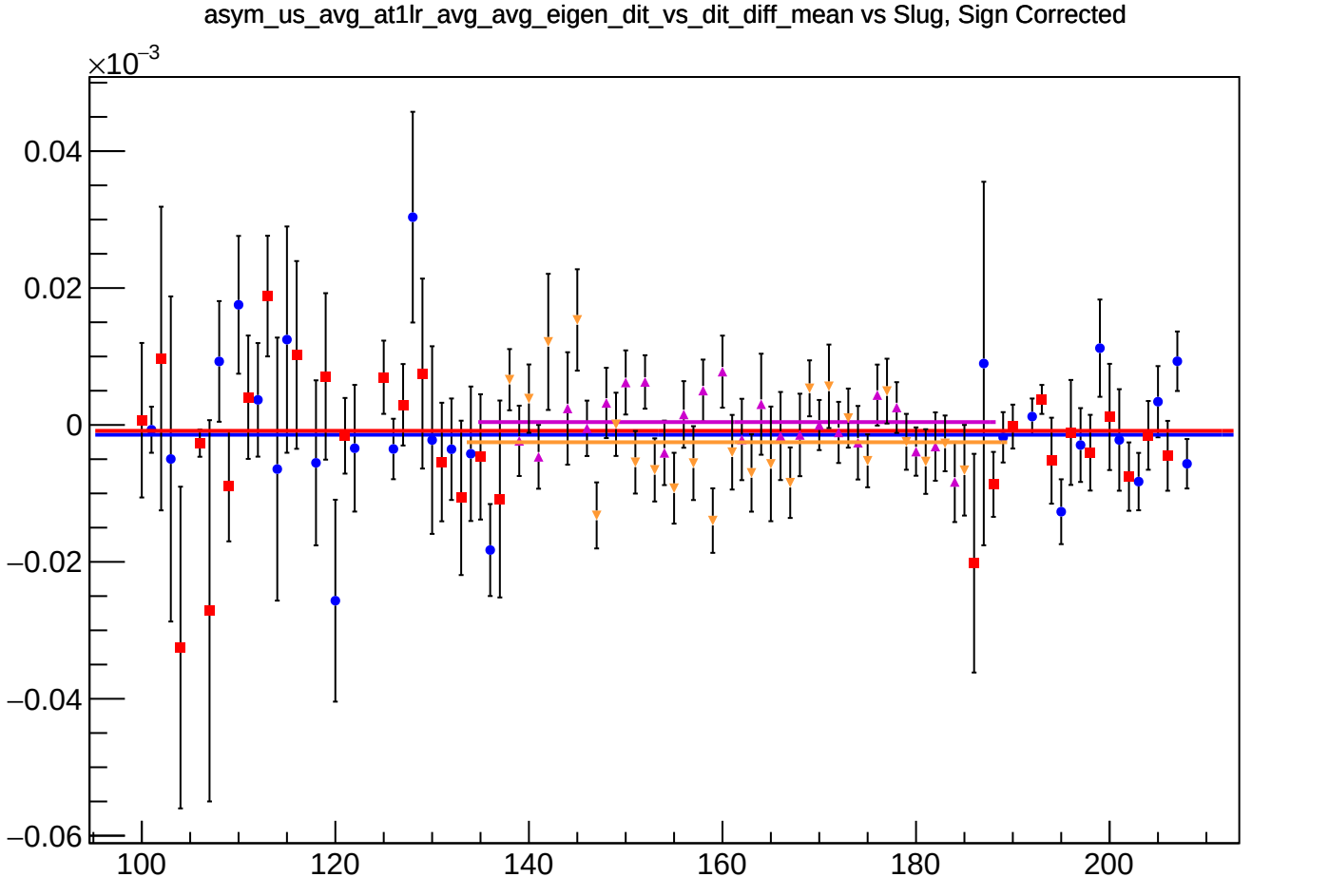
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 109.750+/-0.016 χ^2/NDF: 7910671.3/55

In: 102.372+/-0.014 χ^2/NDF:5343071.9/49

Out: 103.823+/-0.014 χ^2/NDF:6902853.5/52

All: 103.079+/-0.010 χ^2/NDF: 12251209.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/28

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

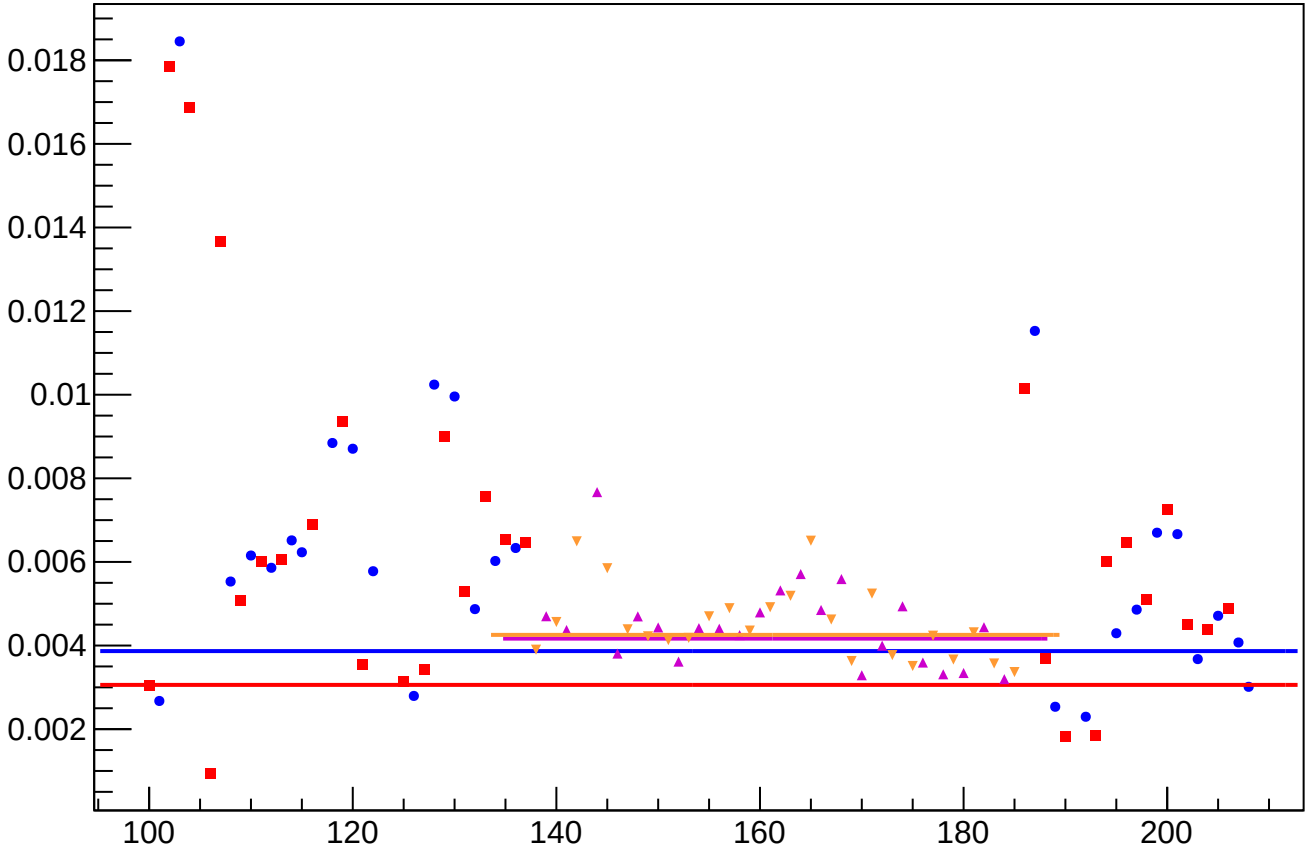
Right: -0.000+/-0.000 χ^2/NDF: 69.1/55

In: -0.000+/-0.000 χ^2/NDF:58.6/49

Out: -0.000+/-0.000 χ^2/NDF:69.4/52

All: -0.000+/-0.000 χ^2/NDF: 129.5/102

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5273044.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10291333.0/28

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

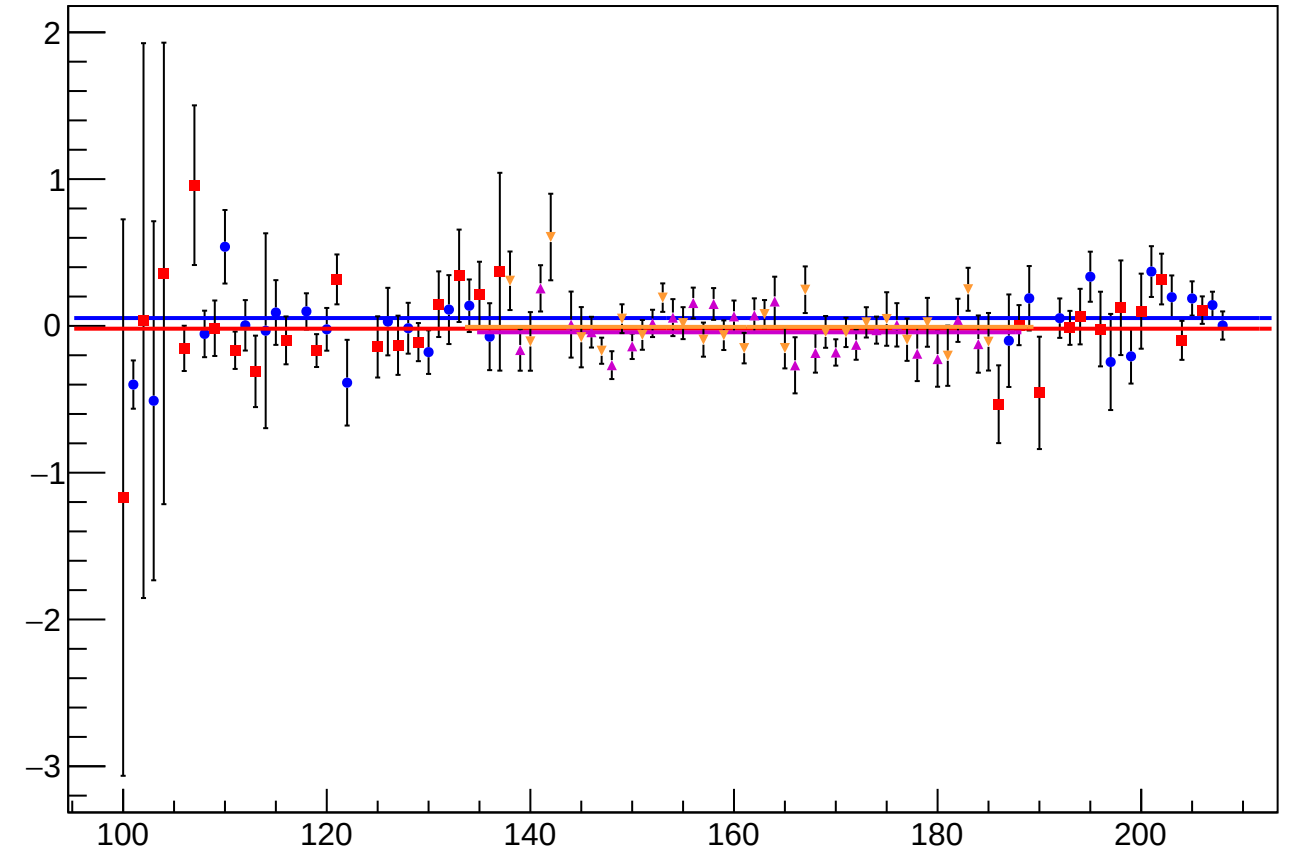
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 16166436.0/55

In: 0.004+/-0.000 χ^2/NDF:6631460.9/49

Out: 0.004+/-0.000 χ^2/NDF:12564019.0/52

All: 0.004+/-0.000 χ^2/NDF: 19491167.1/102



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

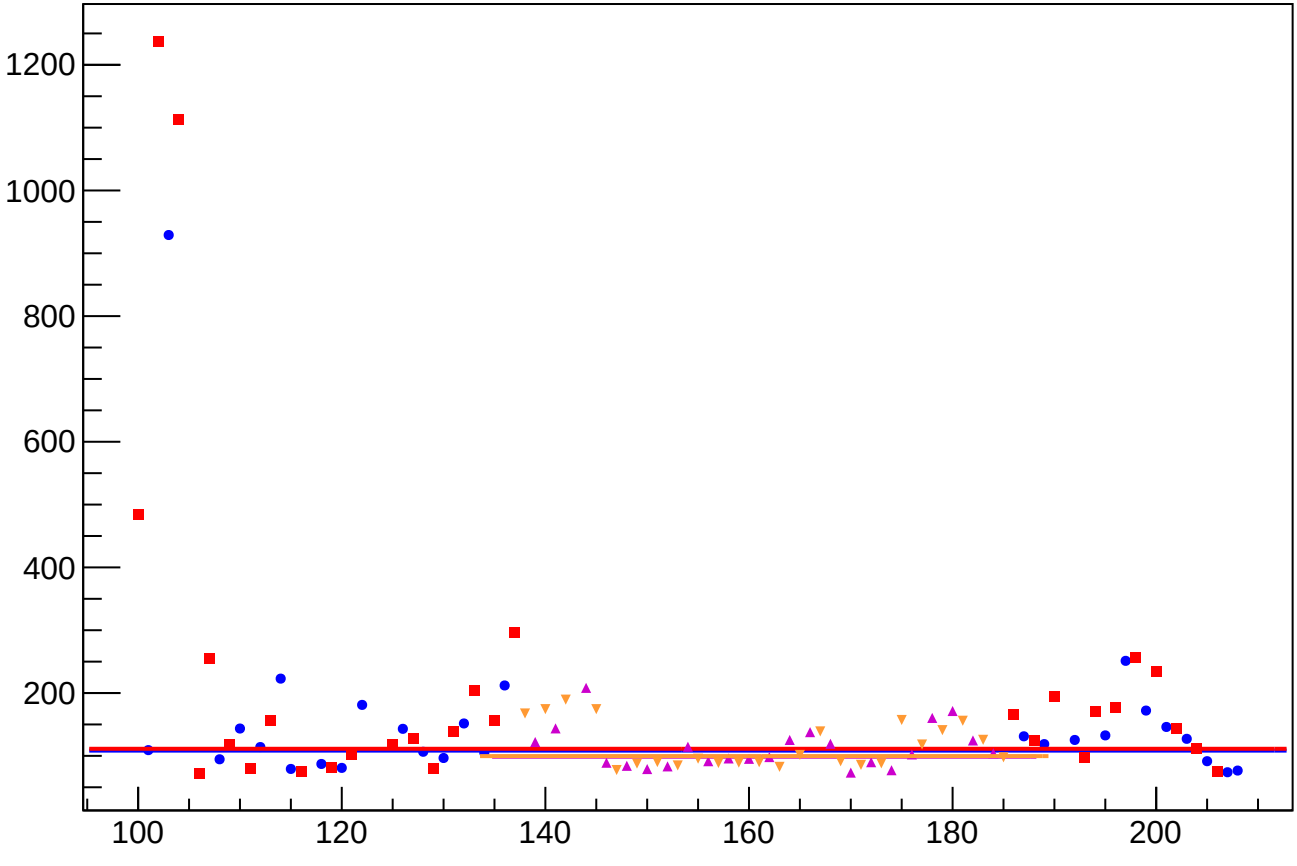
Right: 0.019+/-0.023 χ^2/NDF: 62.7/55

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/102

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

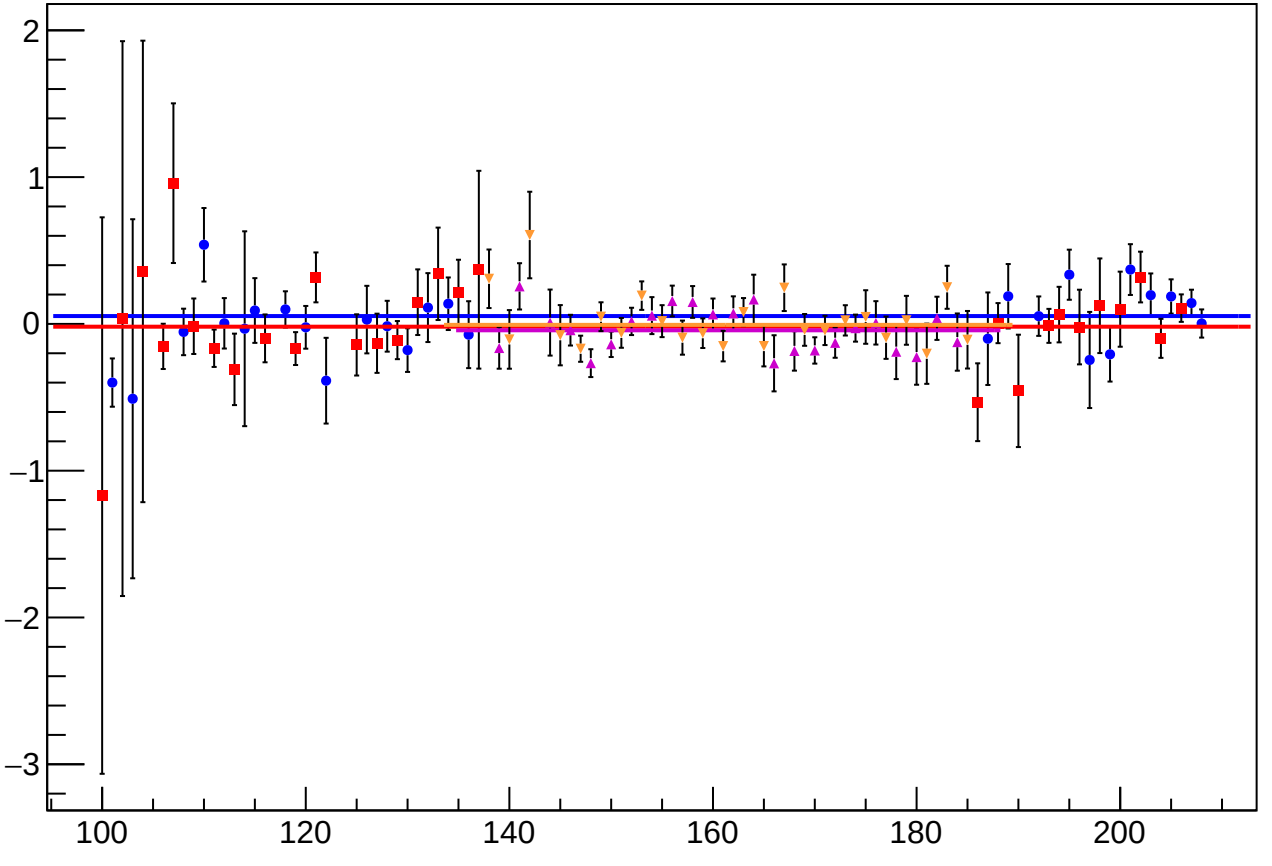
Right: 109.750+/-0.016 χ^2/NDF: 7910578.4/55

In: 102.372+/-0.014 χ^2/NDF:5342958.5/49

Out: 103.823+/-0.014 χ^2/NDF:6902767.7/52

All: 103.079+/-0.010 χ^2/NDF: 12251011.3/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

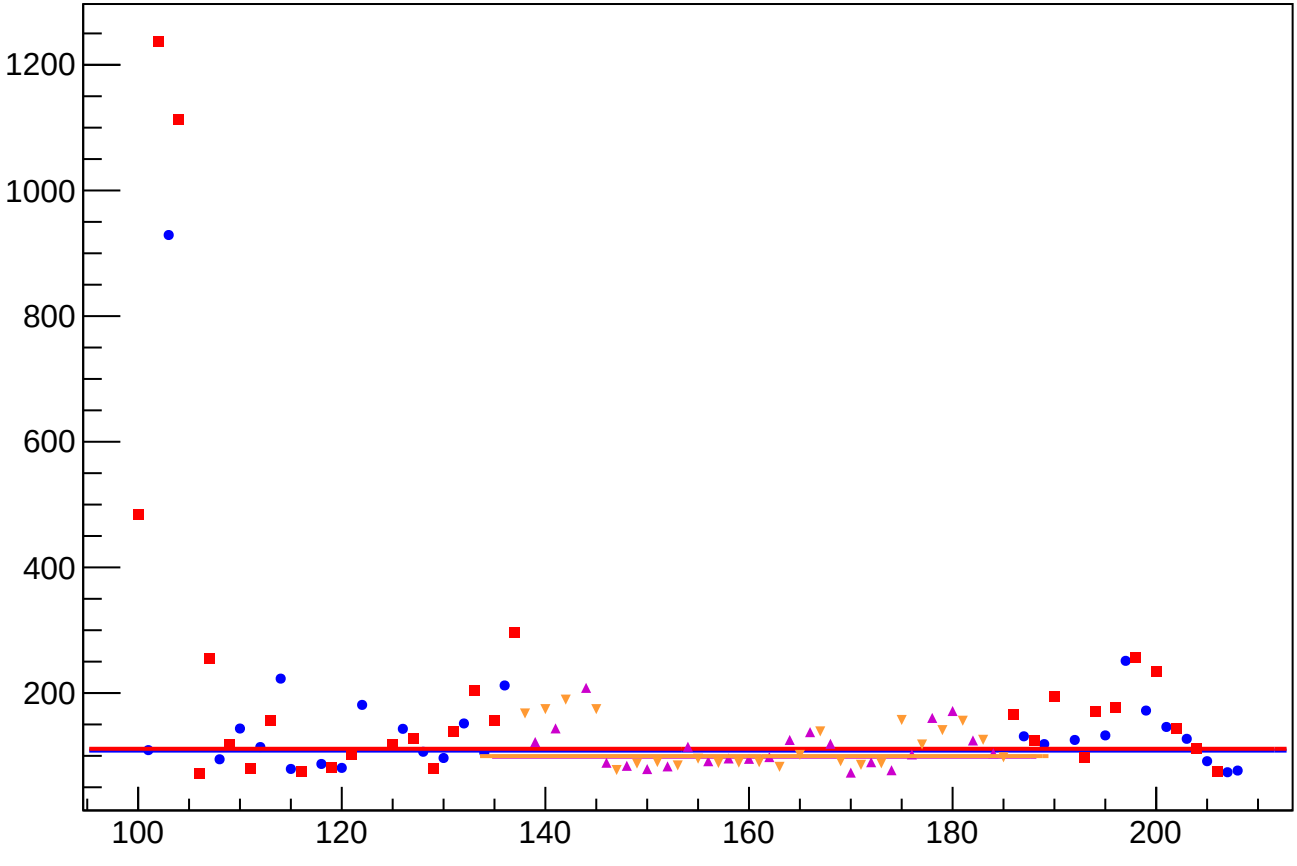
Right: 0.019+/-0.023 χ^2/NDF: 62.7/55

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/102

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

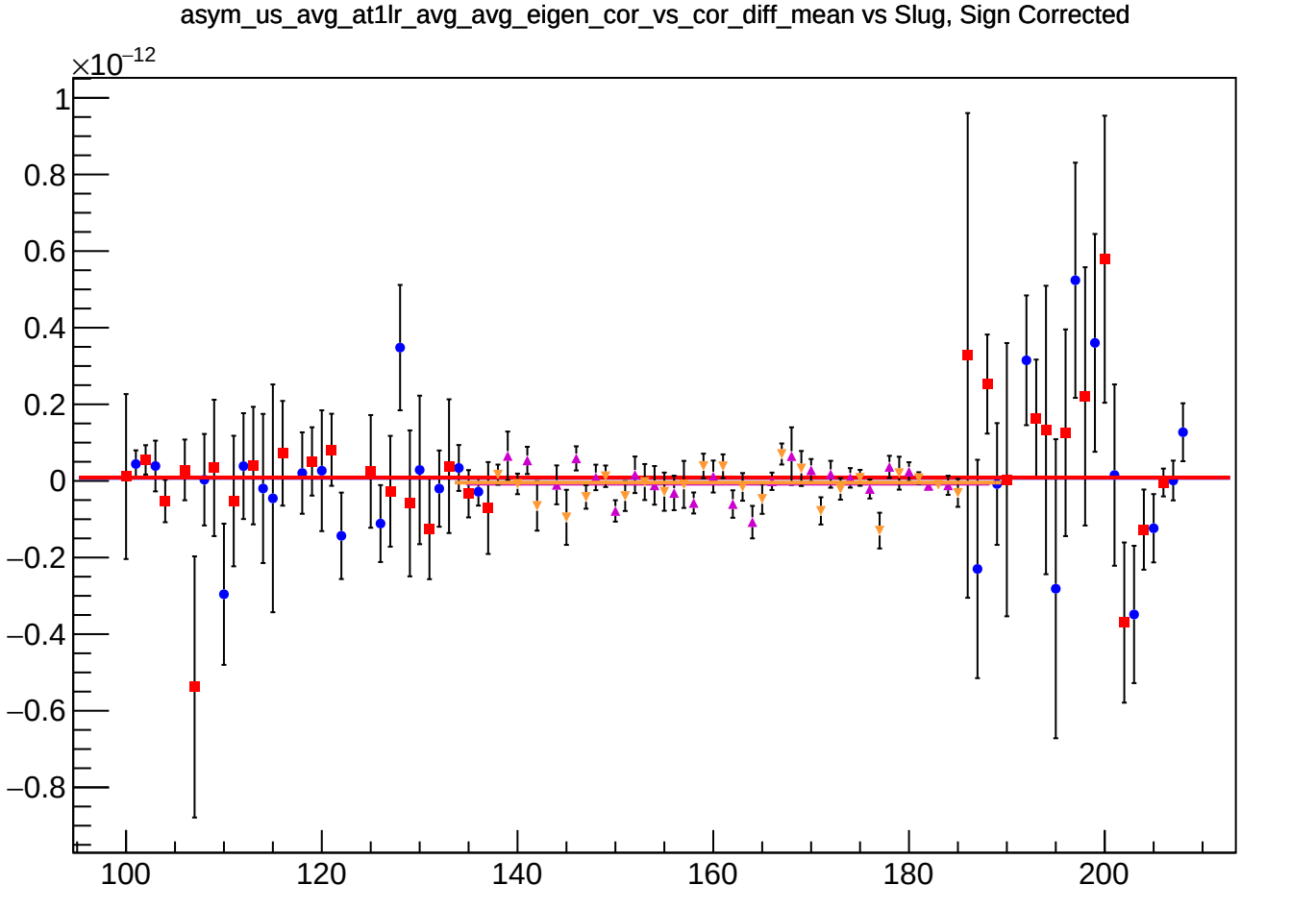
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 109.750+/-0.016 χ^2/NDF: 7910578.4/55

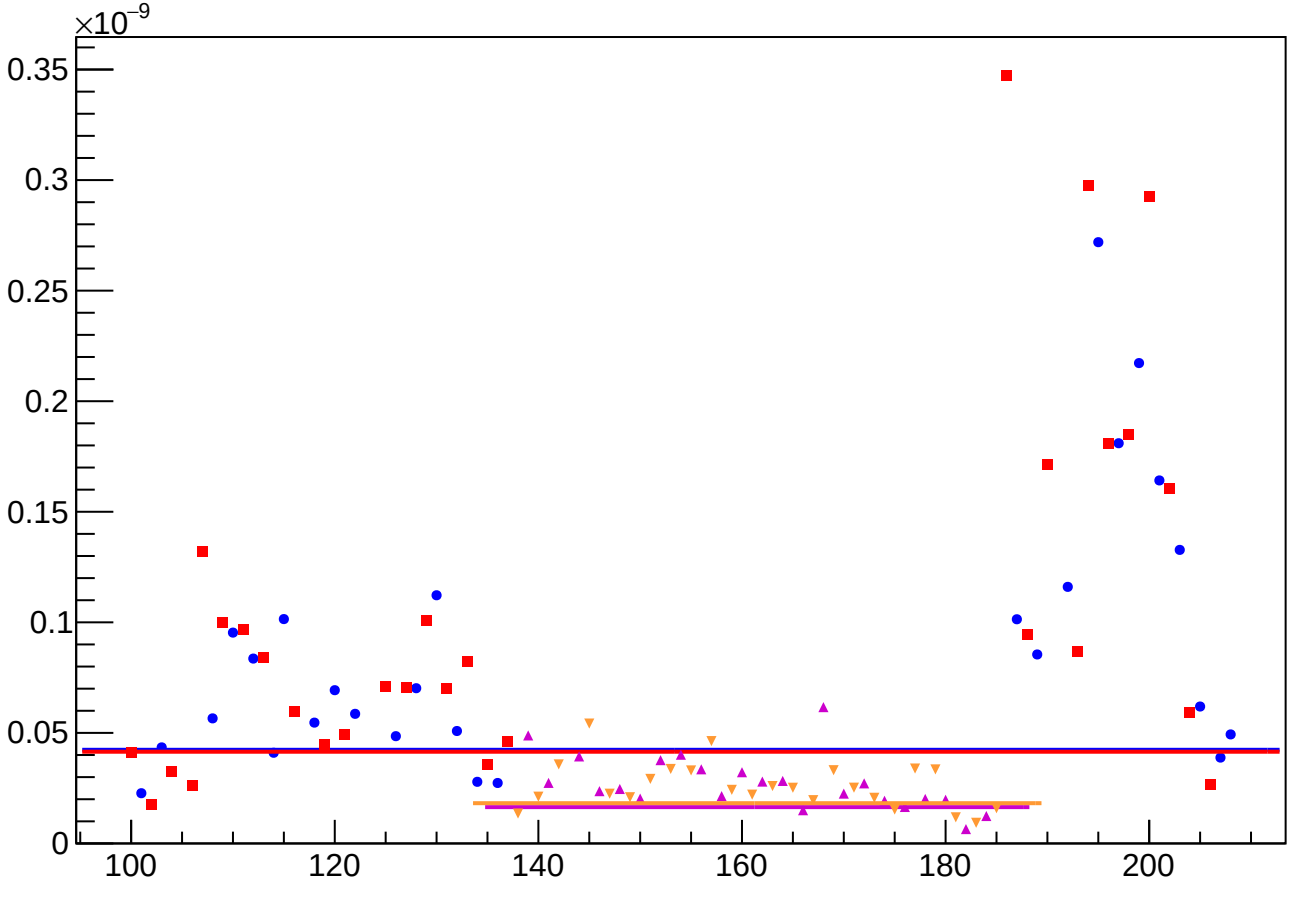
In: 102.372+/-0.014 χ^2/NDF:5342958.5/49

Out: 103.823+/-0.014 χ^2/NDF:6902767.7/52

All: 103.079+/-0.010 χ^2/NDF: 12251011.3/10


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.4/26
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/28
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: 52.1/55
In: -0.000+/-0.000 χ²/NDF:66.4/49
Out: -0.000+/-0.000 χ²/NDF:55.1/52
All: -0.000+/-0.000 χ²/NDF: 121.6/102

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5613547.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7243262.1/28

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

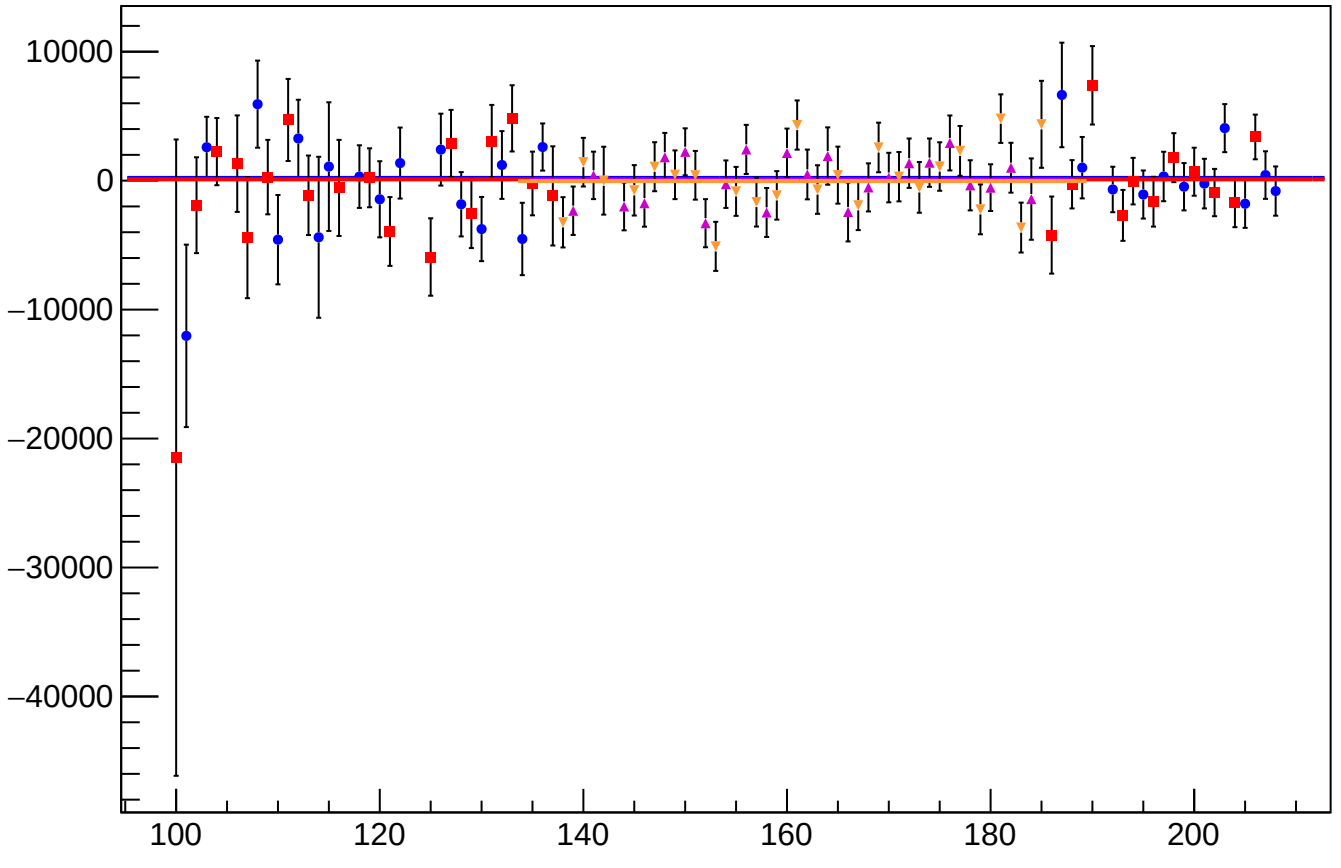
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 12859342.0/55

In: 0.000+/-0.000 χ^2/NDF:16948062.6/49

Out: 0.000+/-0.000 χ^2/NDF:14648039.9/52

All: 0.000+/-0.000 χ^2/NDF: 31681612.5/102



Right In: 211.946+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 100.357+/-457.121 χ^2/NDF: 34.5/28

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

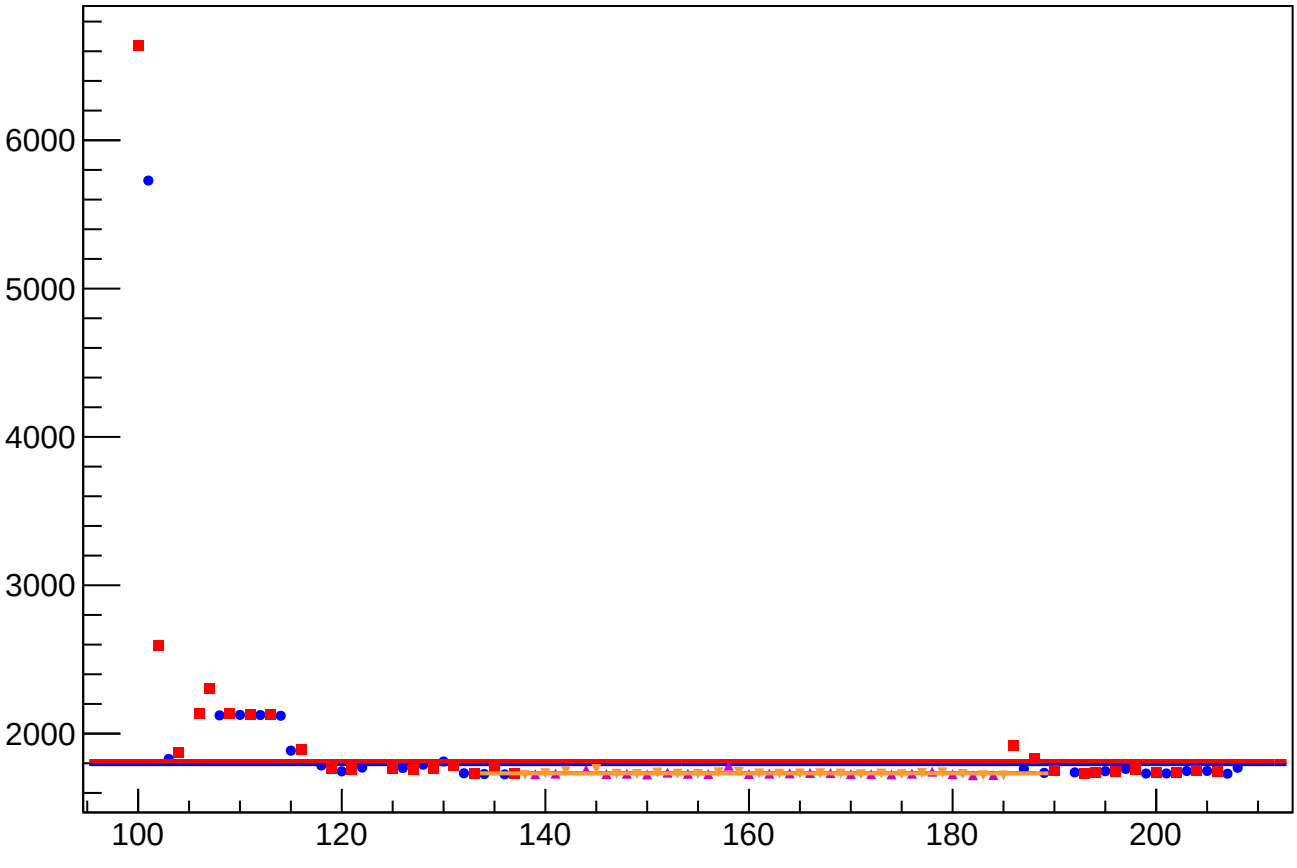
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 156.311+/-322.770 χ^2/NDF: 63.3/55

In: 122.952+/-302.632 χ^2/NDF:48.2/49

Out: 24.138+/-301.862 χ^2/NDF:70.0/52

All: 73.419+/-213.720 χ^2/NDF: 118.2/102



Right In: 1794.207+/-0.322 χ^2/NDF: 707715.9/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1815.384+/-0.323 χ^2/NDF: 304422.6/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

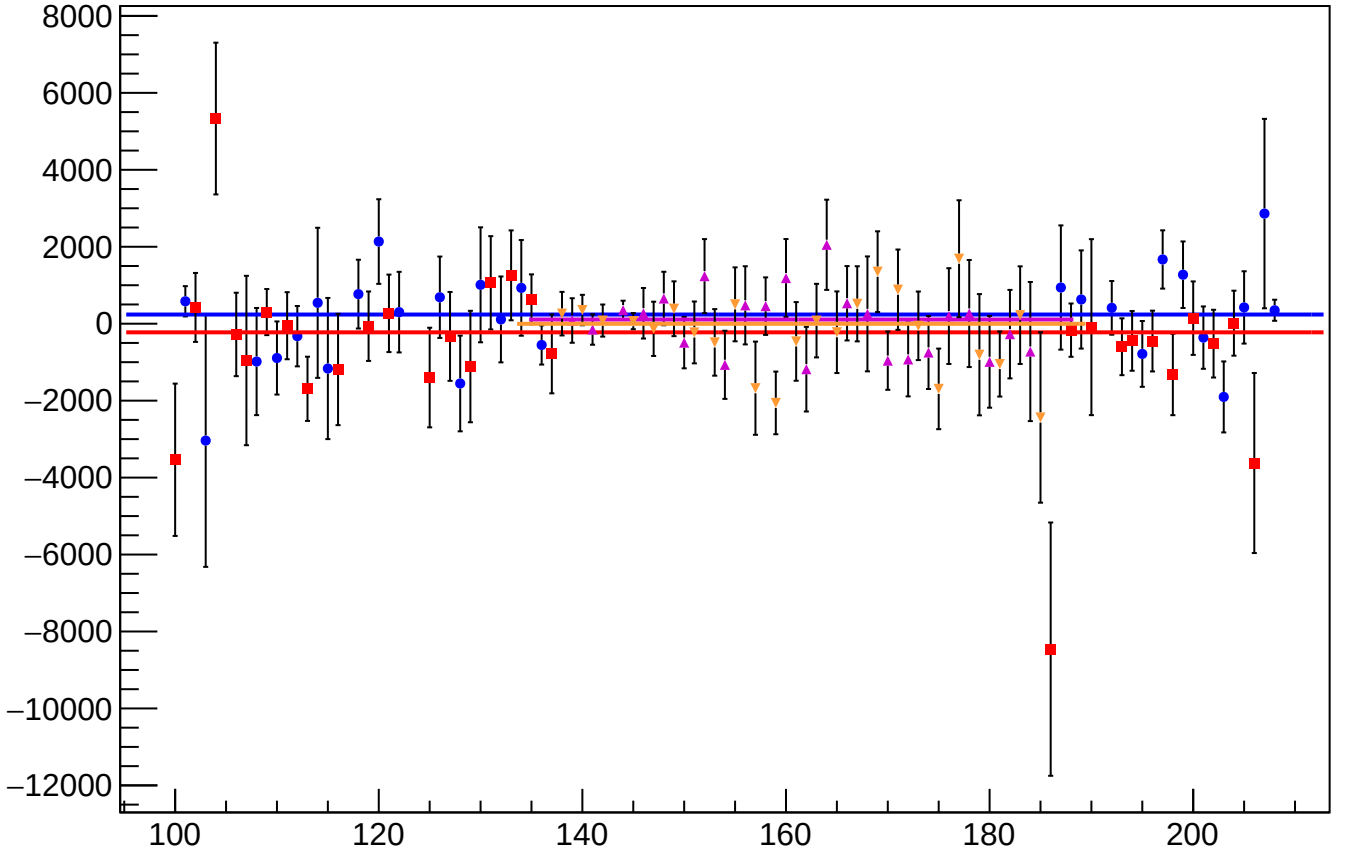
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1804.765+/-0.228 χ^2/NDF: 1014290.9/55

In: 1760.157+/-0.214 χ^2/NDF:729904.6/49

Out: 1768.352+/-0.213 χ^2/NDF:342901.2/52

All: 1764.265+/-0.151 χ^2/NDF: 1073541.0/10



Right In: 238.531+/-148.255 χ^2/NDF: 27.7/26

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -224.479+/-182.742 χ^2/NDF: 32.2/28

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

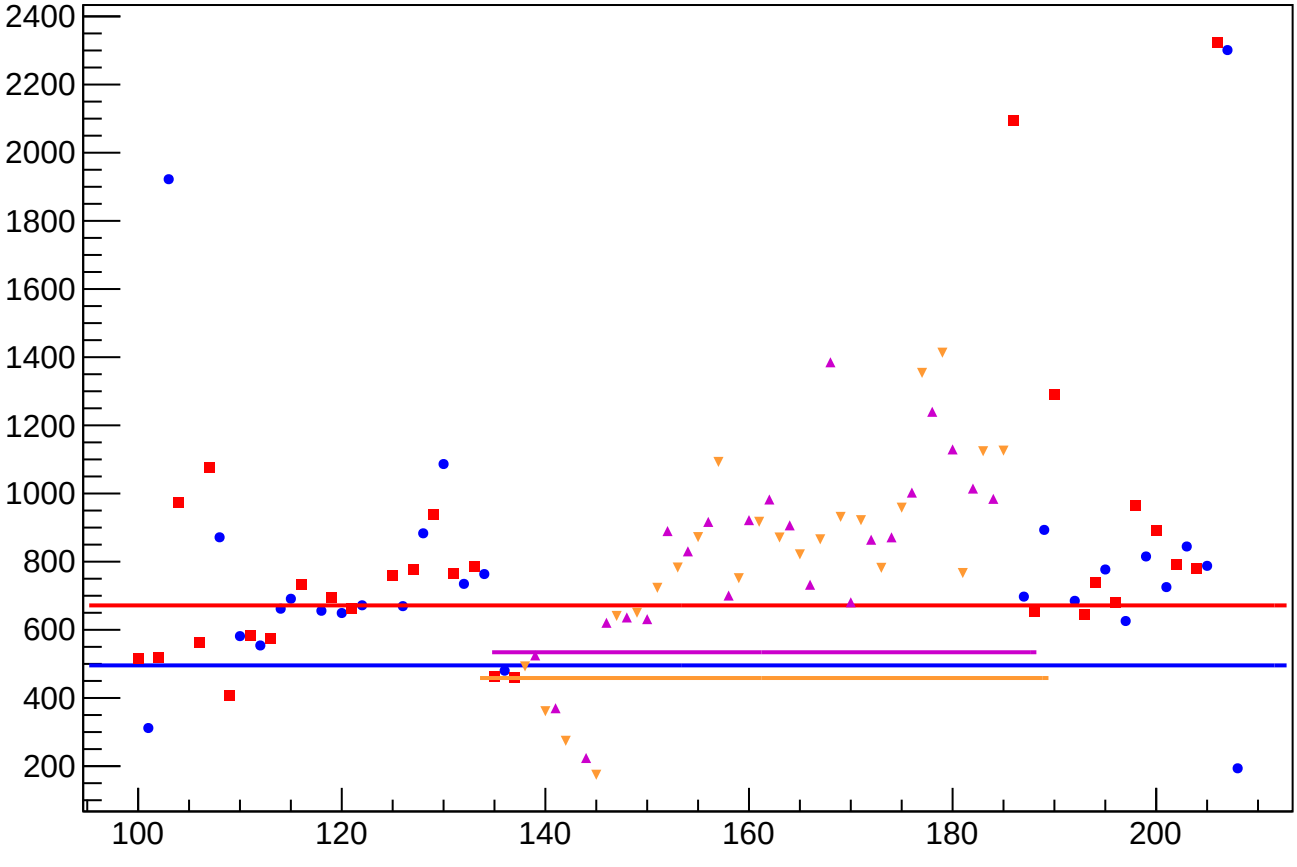
Right: 54.749+/-115.131 χ^2/NDF: 63.8/55

In: 171.254+/-103.041 χ^2/NDF:45.1/49

Out: -77.066+/-105.958 χ^2/NDF:53.5/52

All: 50.559+/-73.871 χ^2/NDF: 101.4/102

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 495.634+/-0.105 χ^2/NDF: 7005983.0/26

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 671.646+/-0.129 χ^2/NDF: 2932663.7/28

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

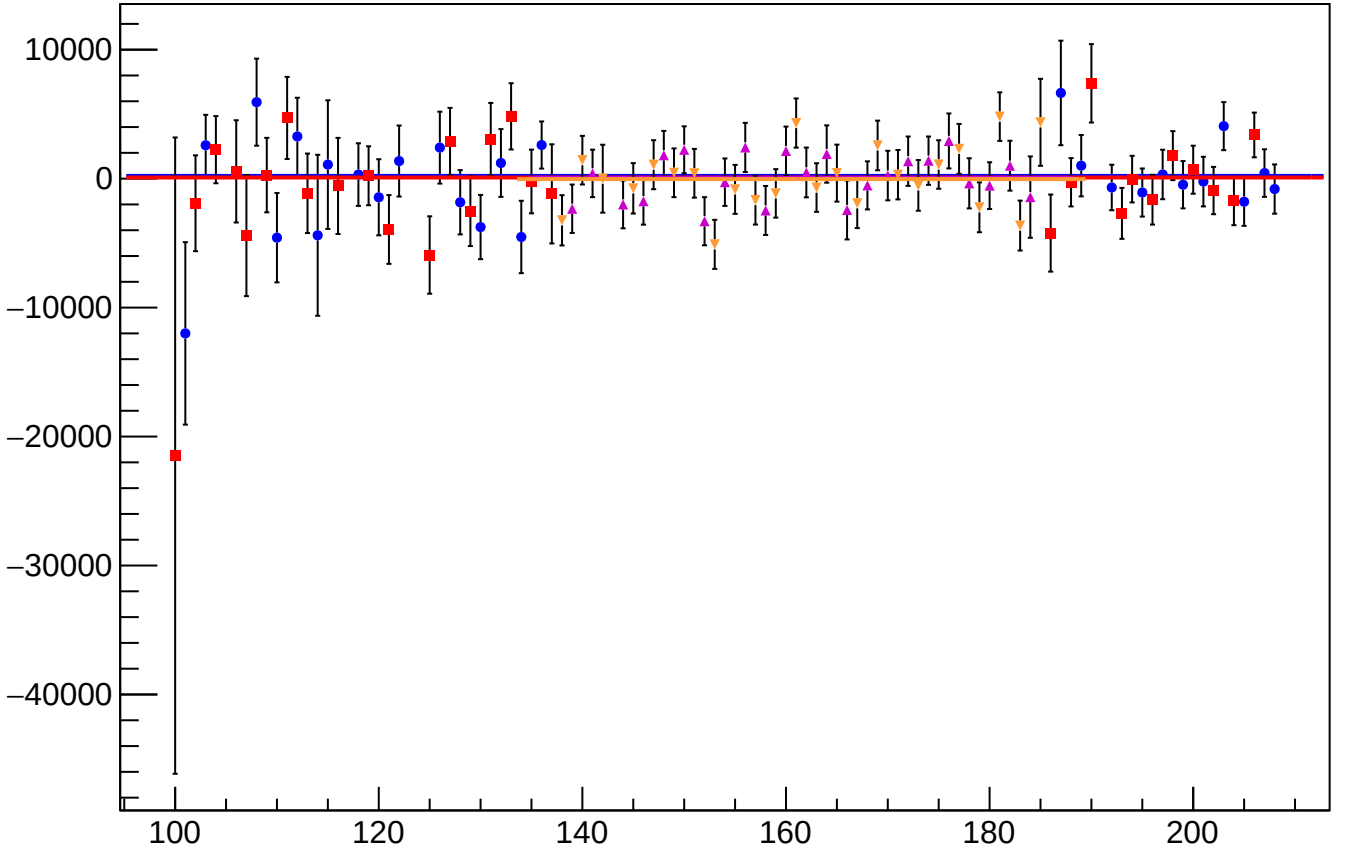
Right: 565.499+/-0.081 χ^2/NDF: 11057592.6/55

In: 515.550+/-0.073 χ^2/NDF:15519094.1/49

Out: 530.212+/-0.075 χ^2/NDF:16164193.2/52

All: 522.676+/-0.052 χ^2/NDF: 31702969.0/10

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 88.222+/-457.493 χ^2/NDF: 34.4/28

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

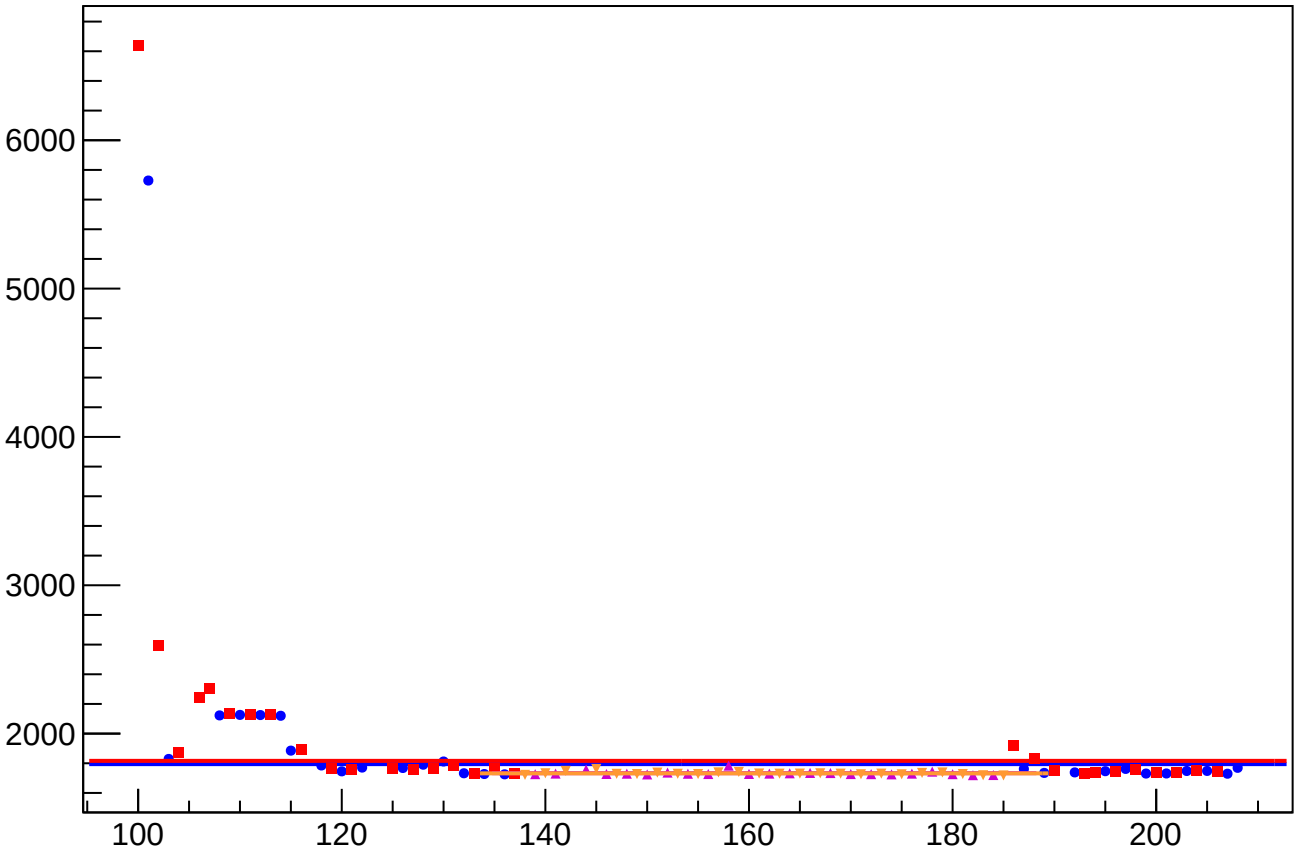
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 150.301+/-322.901 χ^2/NDF: 63.2/55

In: 122.896+/-302.632 χ^2/NDF:48.2/49

Out: 18.829+/-301.969 χ^2/NDF:69.9/52

All: 70.749+/-213.758 χ^2/NDF: 118.1/102



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

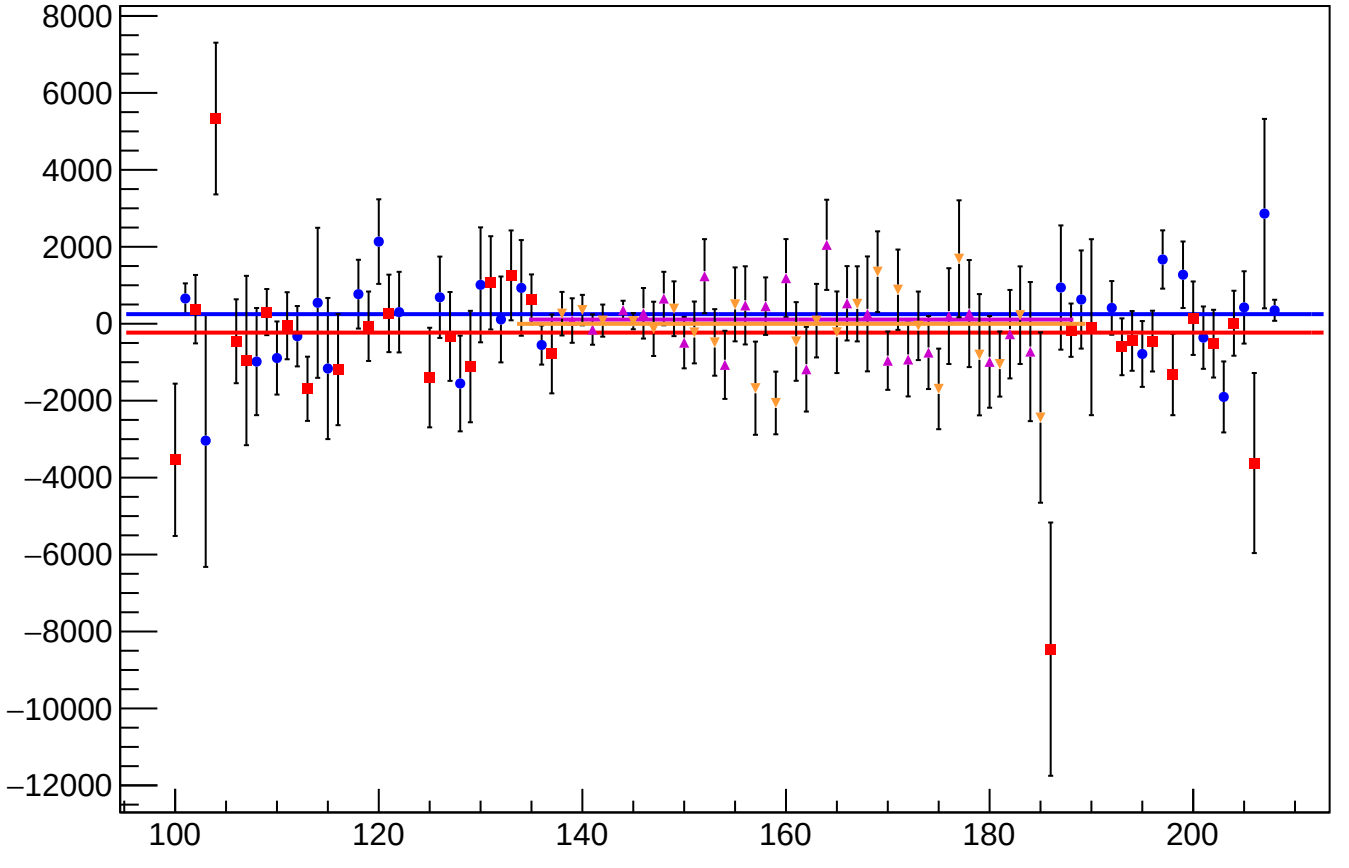
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1805.193+/-0.228 χ^2/NDF: 1022853.1/55

In: 1760.157+/-0.214 χ^2/NDF:729904.4/49

Out: 1768.701+/-0.214 χ^2/NDF:352041.9/52

All: 1764.438+/-0.151 χ^2/NDF: 1082745.2/10



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -230.890+/-182.716 χ^2/NDF: 32.2/28

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

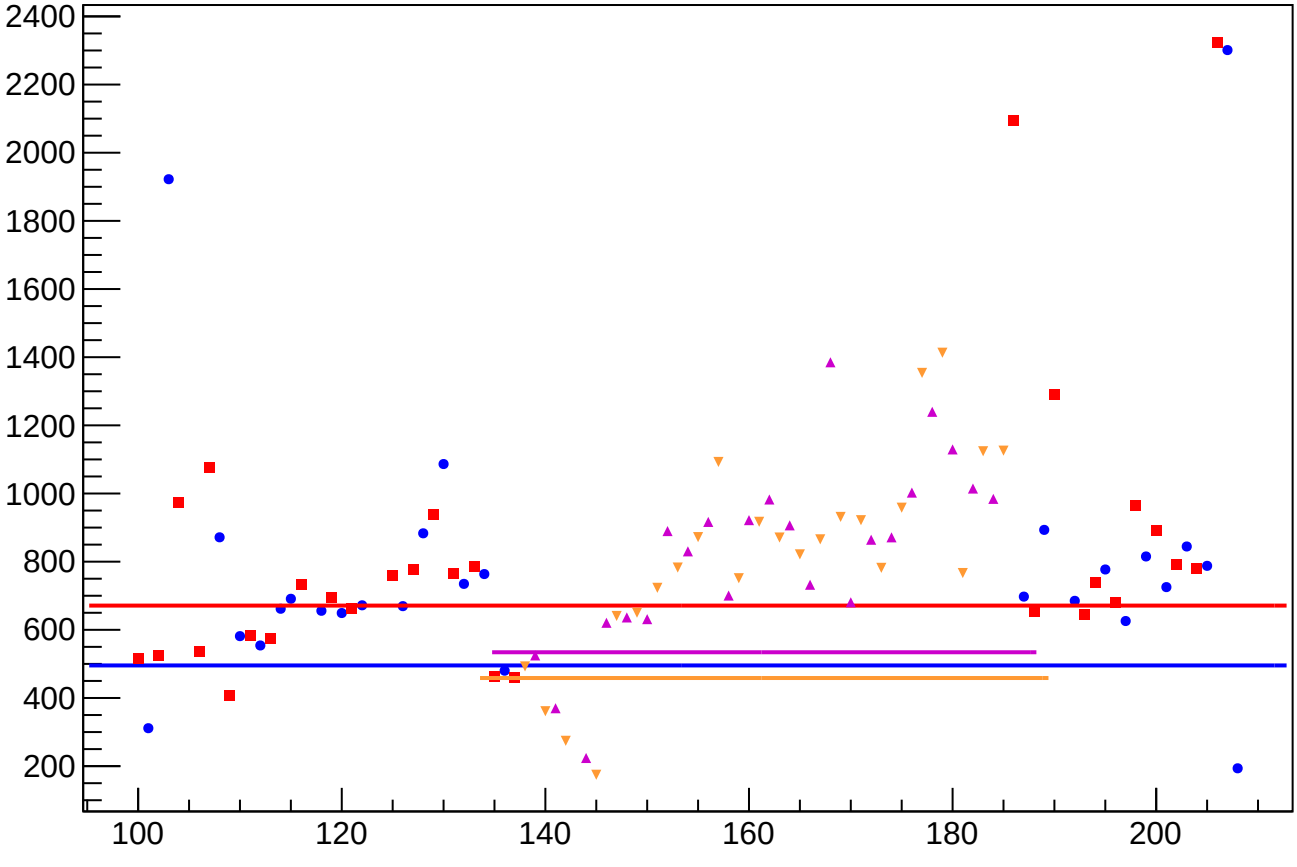
Right: 58.599+/-115.113 χ^2/NDF: 64.4/55

In: 176.368+/-103.033 χ^2/NDF:45.5/49

Out: -79.319+/-105.955 χ^2/NDF:53.5/52

All: 52.098+/-73.867 χ^2/NDF: 102.0/102

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

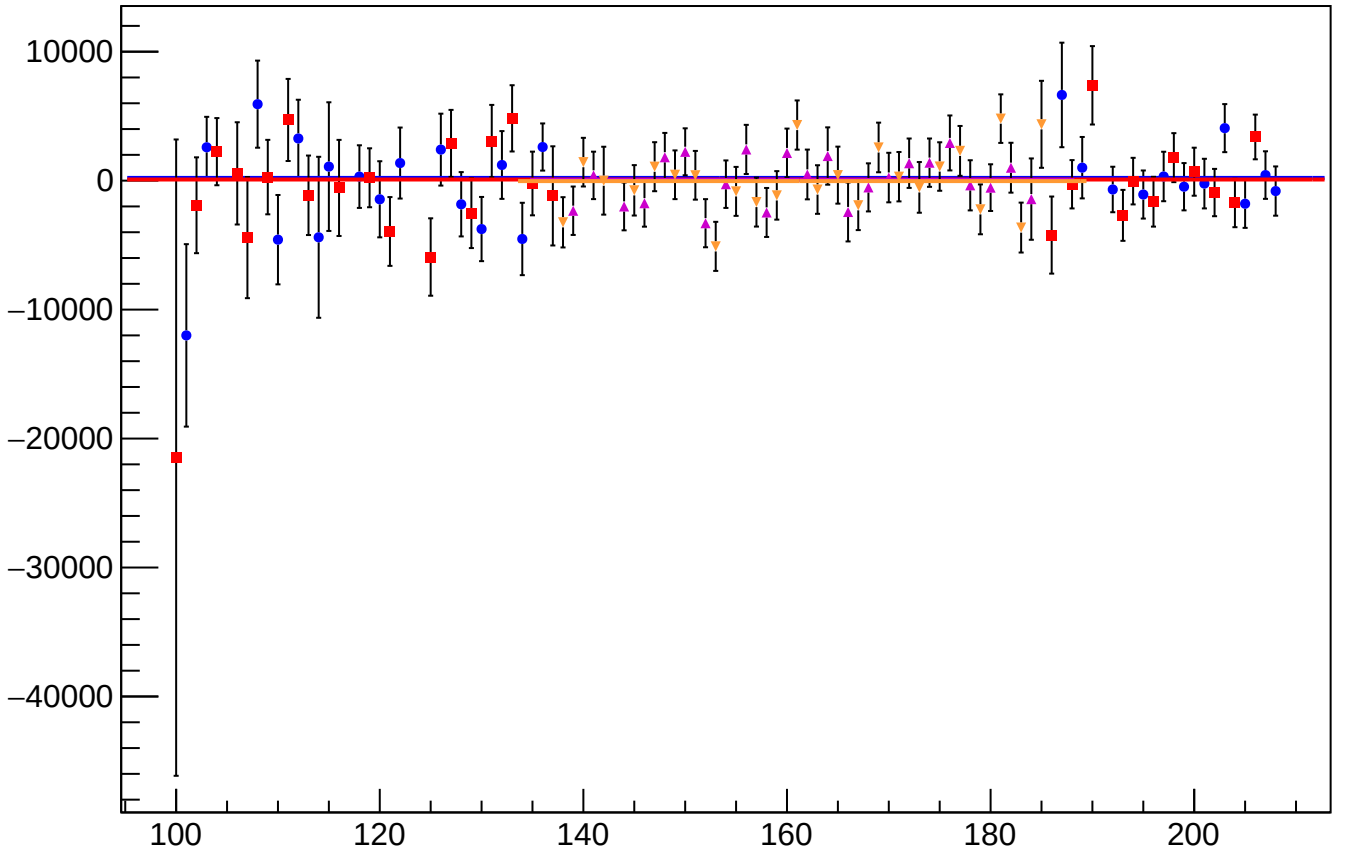
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 565.203+/-0.081 χ^2/NDF: 11063105.9/55

In: 515.484+/-0.073 χ^2/NDF:15522900.8/49

Out: 530.056+/-0.075 χ^2/NDF:16161360.9/52

All: 522.566+/-0.052 χ^2/NDF: 31703705.2/10



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 88.222+/-457.493 χ^2/NDF: 34.4/28

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

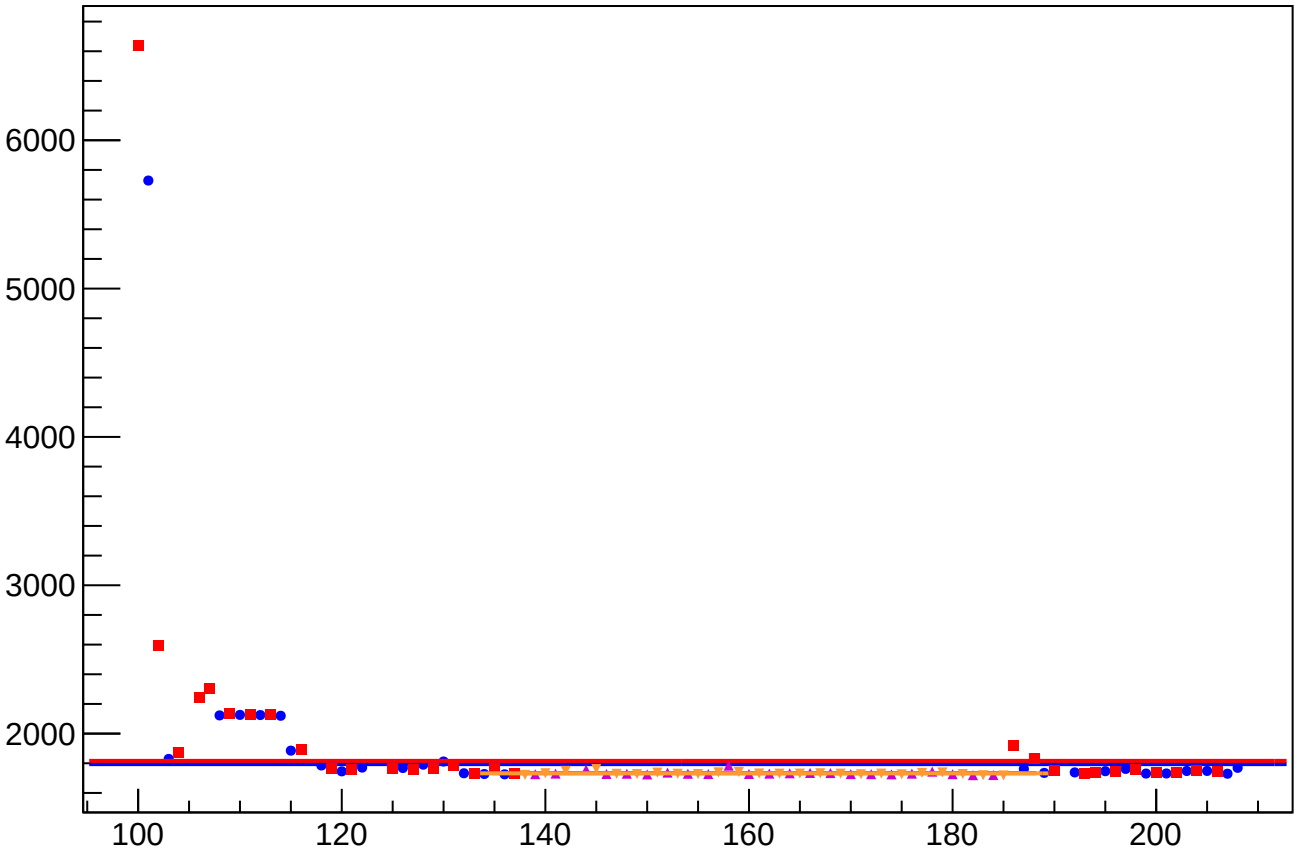
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 150.301+/-322.901 χ^2/NDF: 63.2/55

In: 122.896+/-302.632 χ^2/NDF:48.2/49

Out: 18.829+/-301.969 χ^2/NDF:69.9/52

All: 70.749+/-213.758 χ^2/NDF: 118.1/102



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

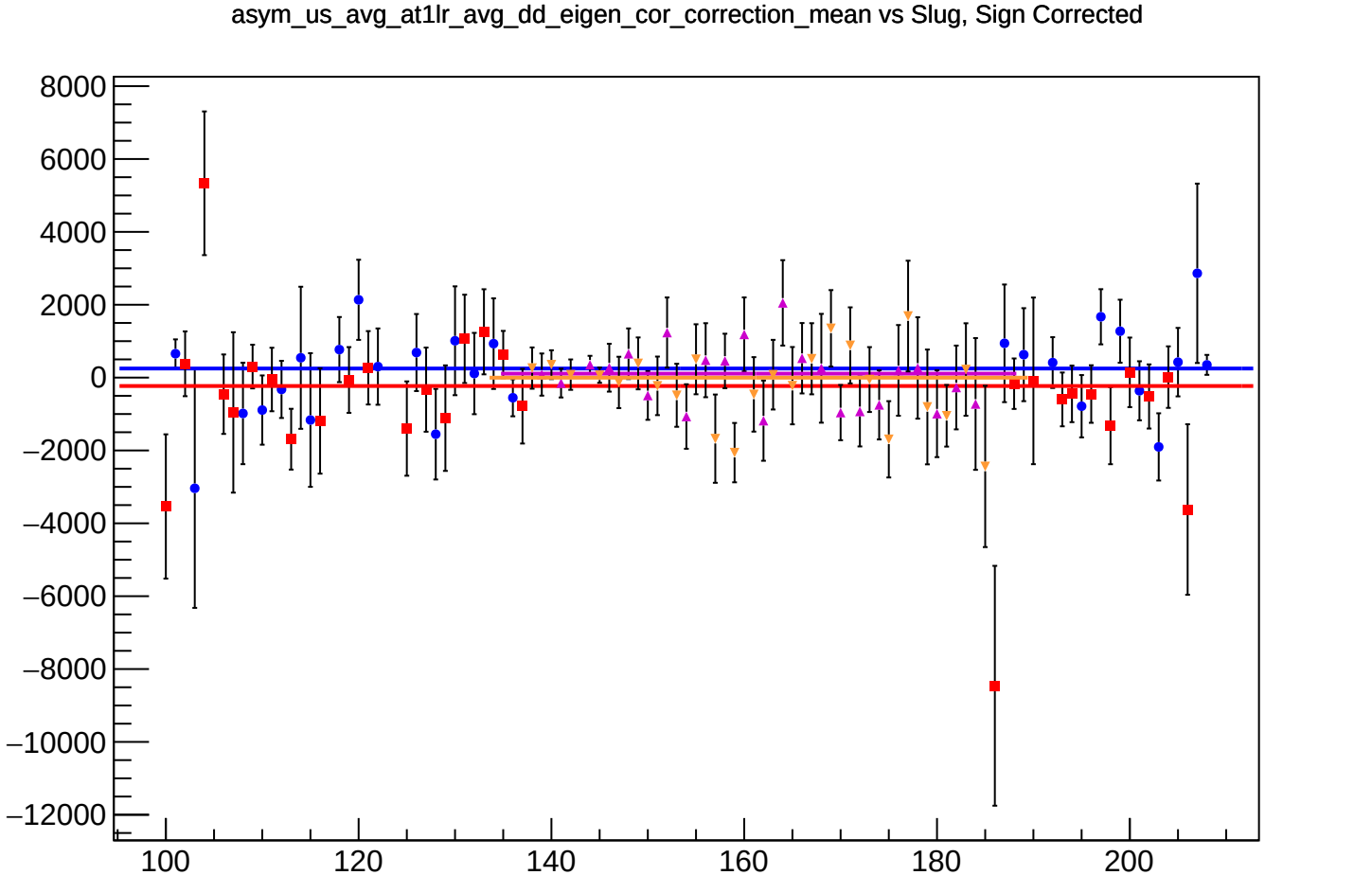
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1805.193+/-0.228 χ^2/NDF: 1022853.1/55

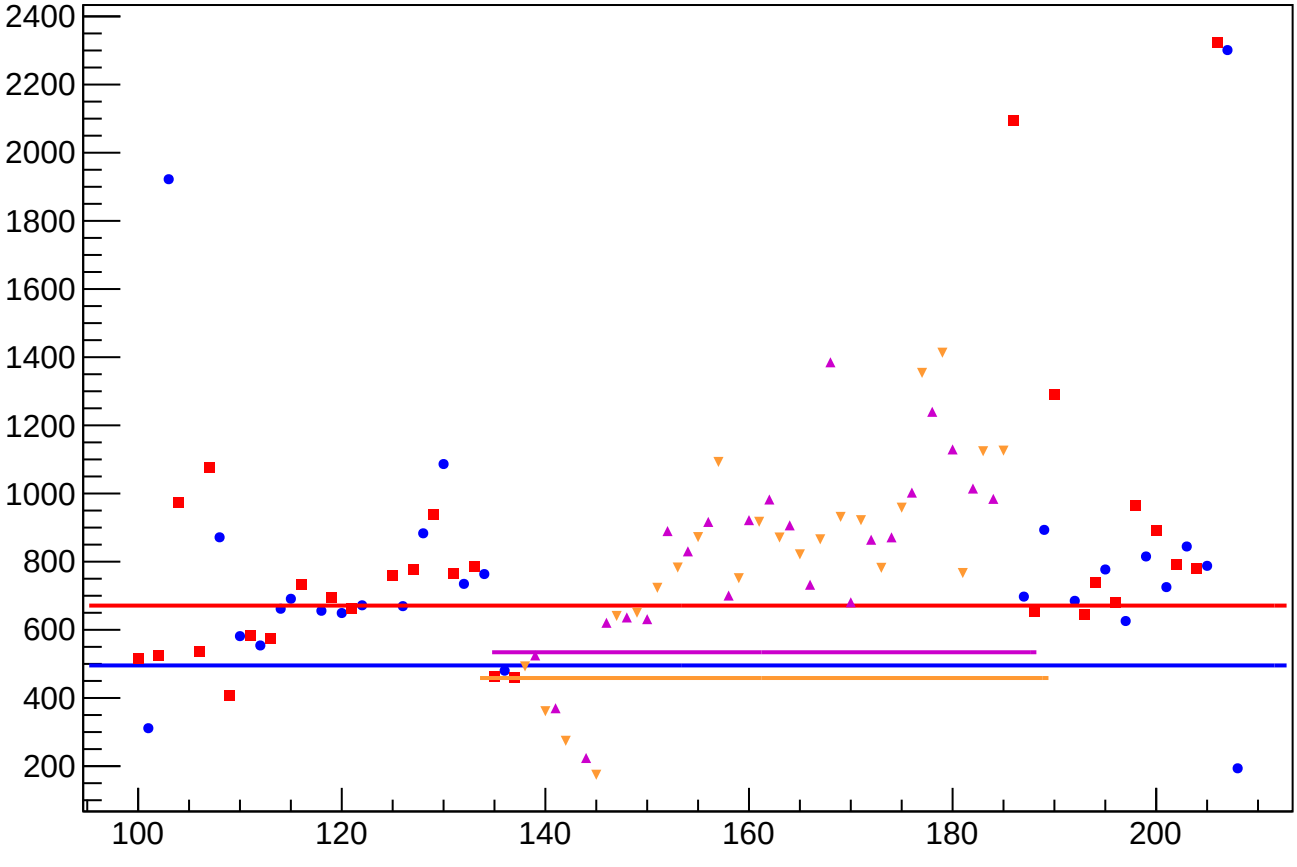
In: 1760.157+/-0.214 χ^2/NDF:729904.4/49

Out: 1768.701+/-0.214 χ^2/NDF:352041.9/52

All: 1764.438+/-0.151 χ^2/NDF: 1082745.2/10


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 249.122+/-148.230 χ²/NDF: 28.1/26
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -230.890+/-182.716 χ²/NDF: 32.2/28
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 58.599+/-115.113 χ²/NDF: 64.4/55
In: 176.368+/-103.033 χ²/NDF:45.5/49
Out: -79.319+/-105.955 χ²/NDF:53.5/52
All: 52.098+/-73.867 χ²/NDF: 102.0/102

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

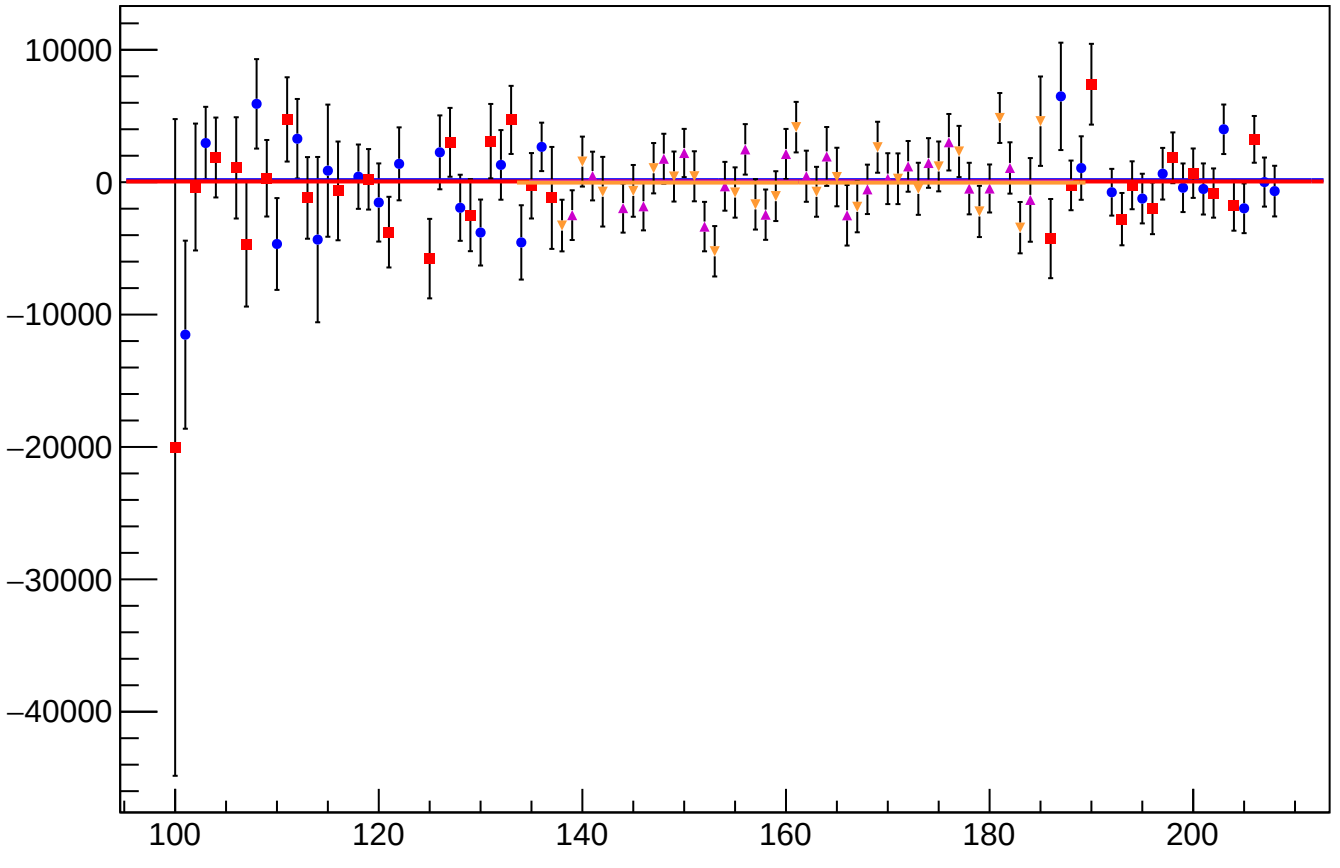
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 565.203+/-0.081 χ^2/NDF: 11063105.9/55

In: 515.484+/-0.073 χ^2/NDF:15522900.8/49

Out: 530.056+/-0.075 χ^2/NDF:16161360.9/52

All: 522.566+/-0.052 χ^2/NDF: 31703705.2/10



Right In: 154.572+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 54.736+/-462.476 χ^2/NDF: 33.5/28

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

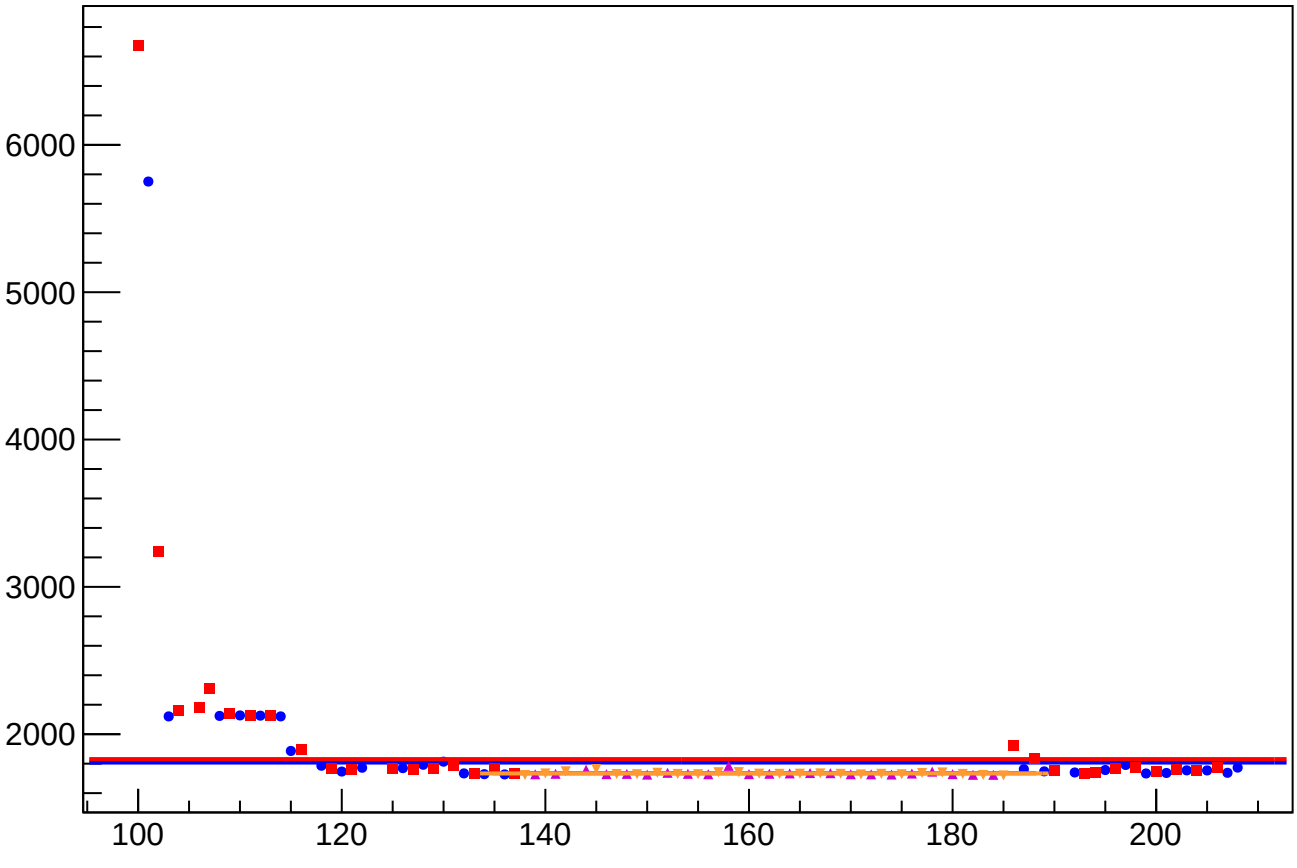
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 104.987+/-325.928 χ^2/NDF: 62.3/55

In: 91.497+/-303.823 χ^2/NDF:48.7/49

Out: 6.850+/-303.537 χ^2/NDF:69.0/52

All: 49.134+/-214.734 χ^2/NDF: 117.7/102



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.4/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1830.998+/-0.327 χ^2/NDF: 412058.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

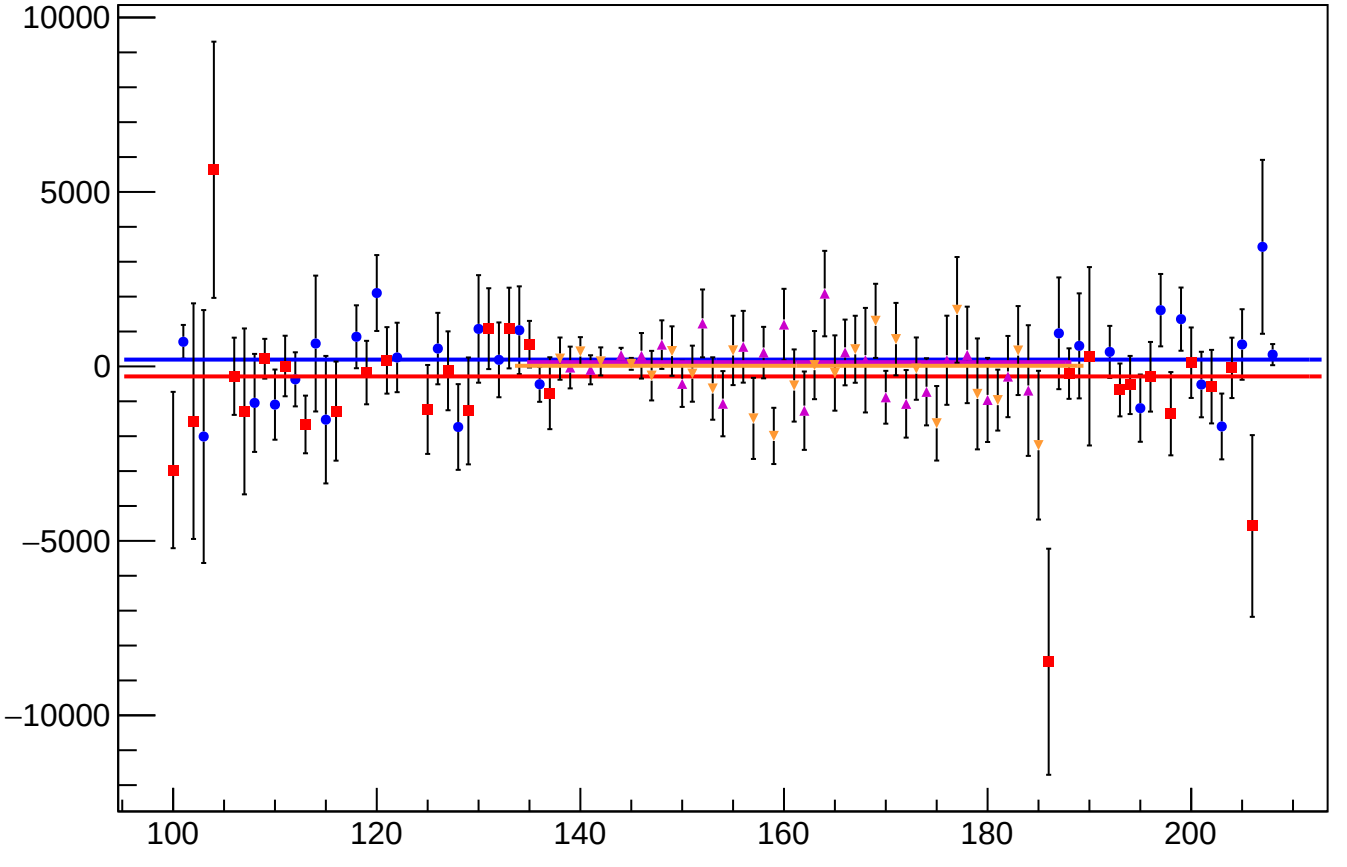
Right: 1819.198+/-0.230 χ^2/NDF: 1147380.6/55

In: 1766.626+/-0.215 χ^2/NDF:763125.1/49

Out: 1775.487+/-0.215 χ^2/NDF:463580.2/52

All: 1771.061+/-0.152 χ^2/NDF: 1227556.6/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 195.372+/-160.584 χ^2/NDF: 27.1/26

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -287.057+/-192.653 χ^2/NDF: 25.3/28

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

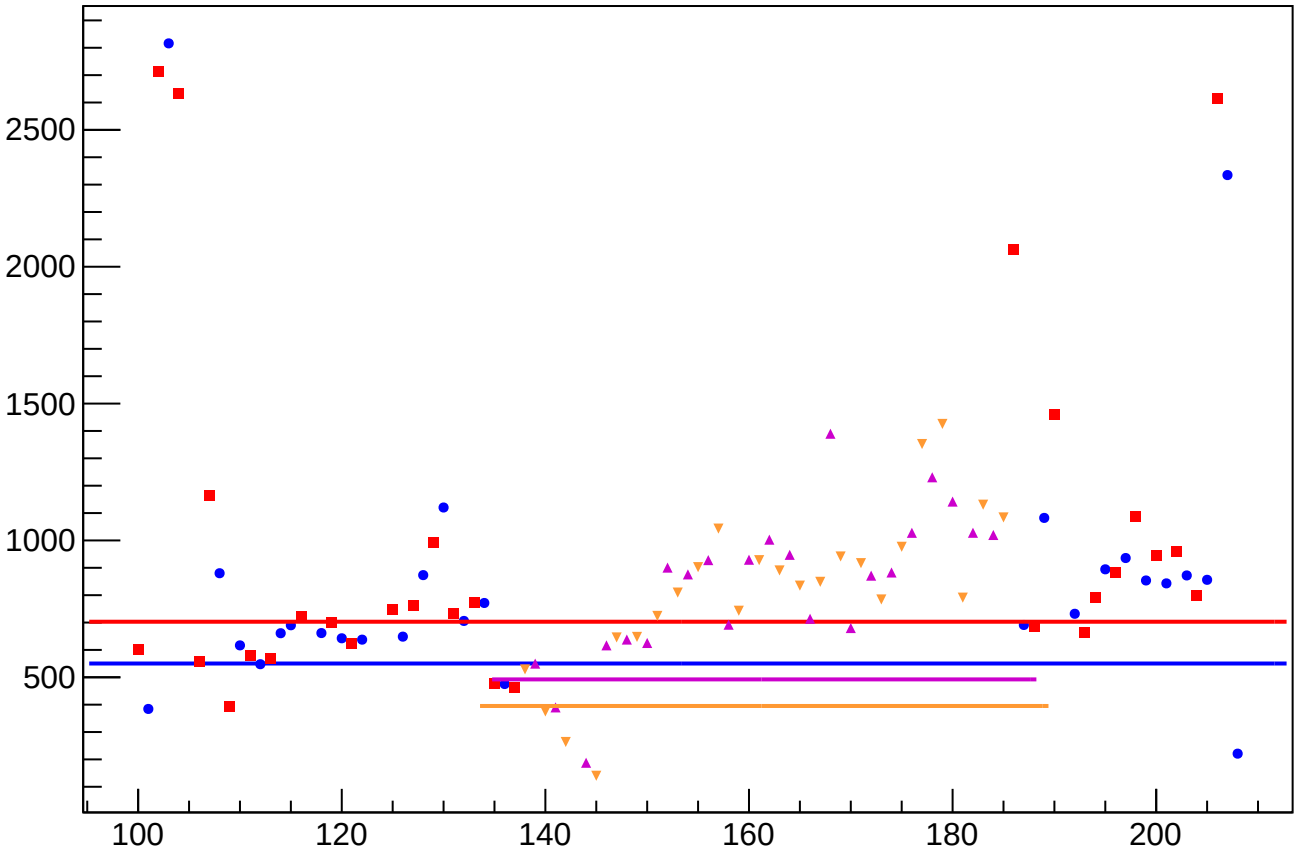
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -2.403+/-123.351 χ^2/NDF: 56.1/55

In: 152.776+/-104.290 χ^2/NDF:43.7/49

Out: -66.570+/-101.448 χ^2/NDF:46.6/52

All: 40.074+/-72.719 χ^2/NDF: 92.5/102



Right In: 550.341+/-0.114 χ^2/NDF: 6932111.5/26

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 702.993+/-0.136 χ^2/NDF: 4671403.0/28

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

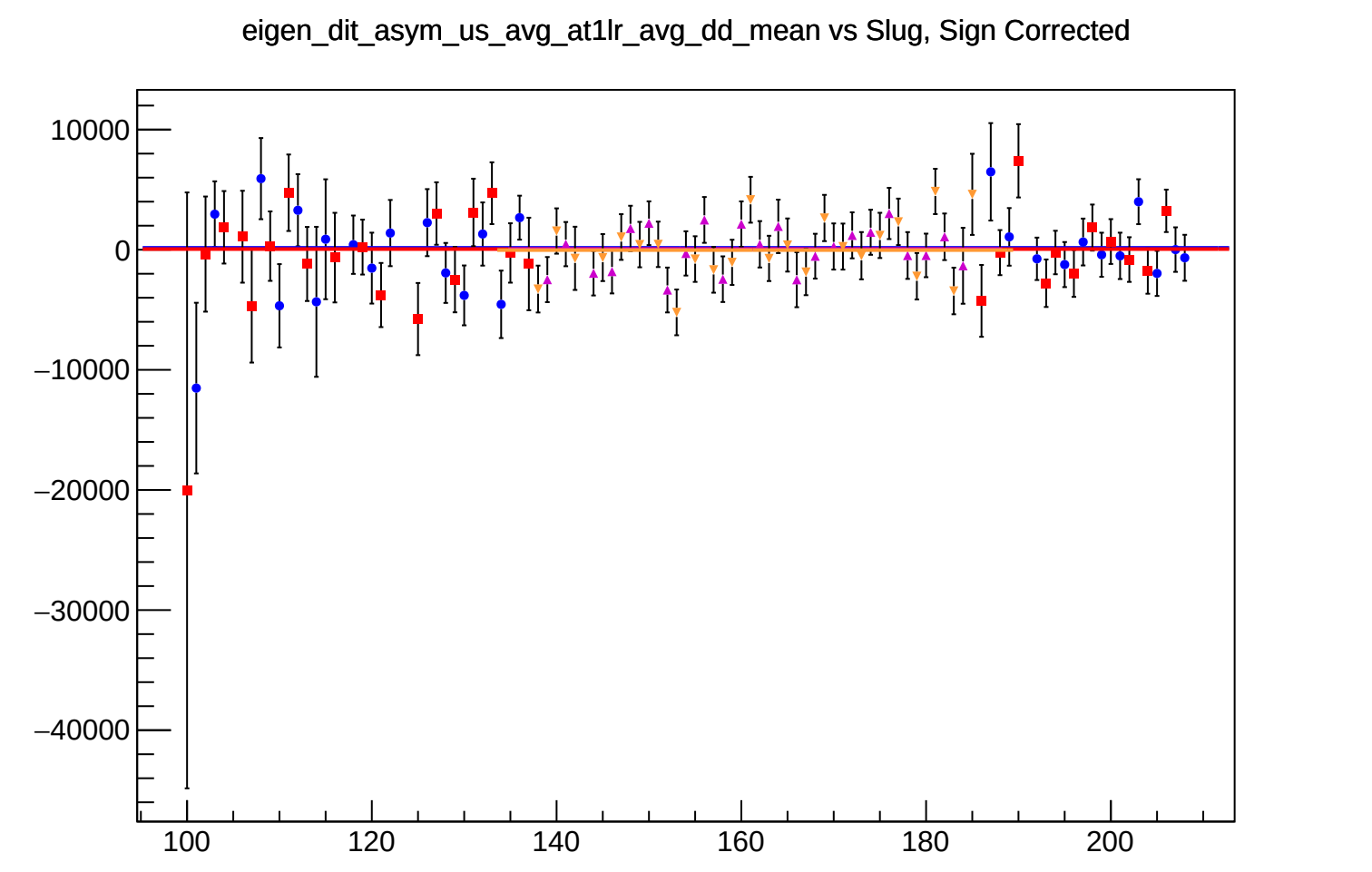
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 612.921+/-0.087 χ^2/NDF: 12344432.6/55

In: 516.777+/-0.074 χ^2/NDF:17502713.7/49

Out: 480.540+/-0.072 χ^2/NDF:22695546.7/52

All: 498.158+/-0.051 χ^2/NDF: 40322329.3/10



Right In: 154.574+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 54.735+/-462.476 χ^2/NDF: 33.5/28

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

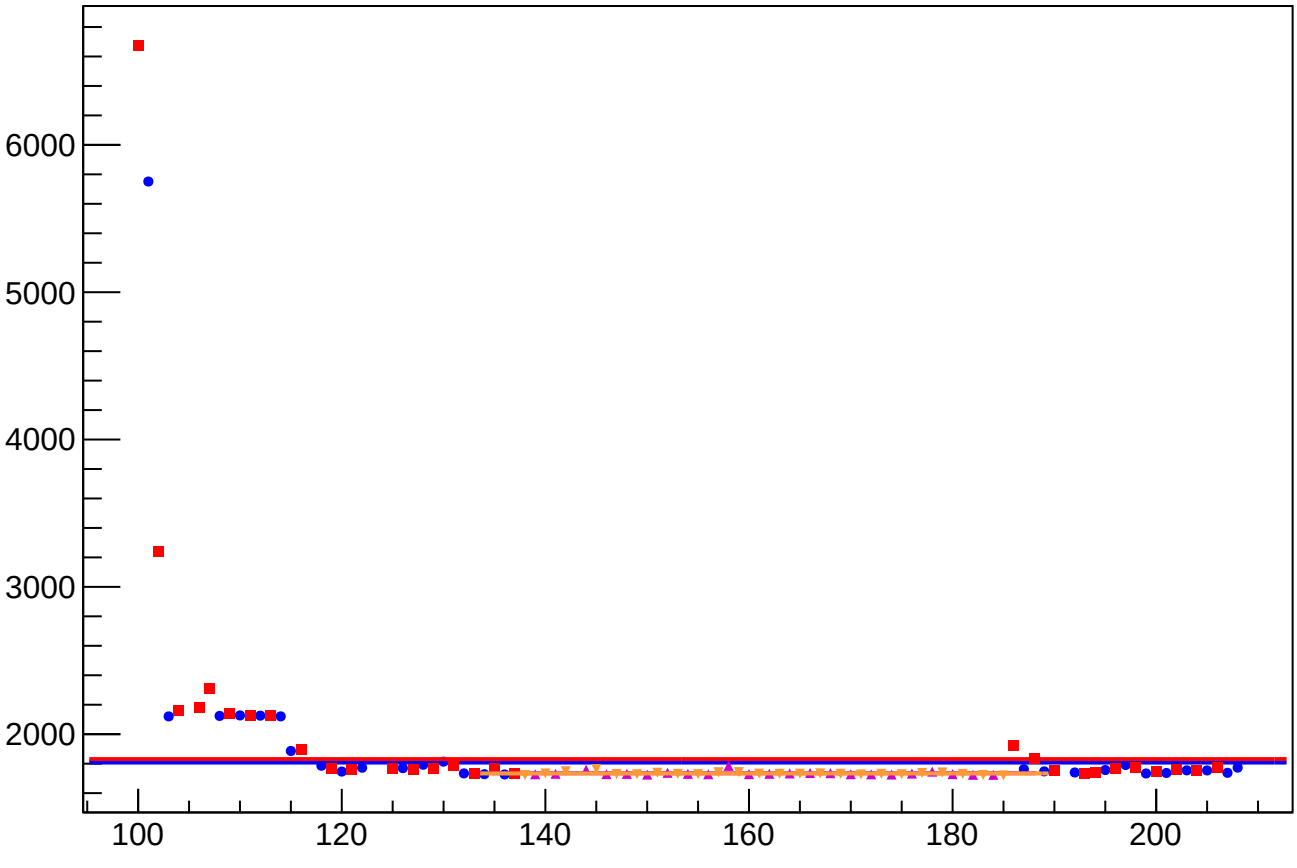
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 104.987+/-325.928 χ^2/NDF: 62.3/55

In: 91.498+/-303.823 χ^2/NDF:48.7/49

Out: 6.847+/-303.538 χ^2/NDF:69.0/52

All: 49.133+/-214.734 χ^2/NDF: 117.7/102



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.0/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1830.998+/-0.327 χ^2/NDF: 412057.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

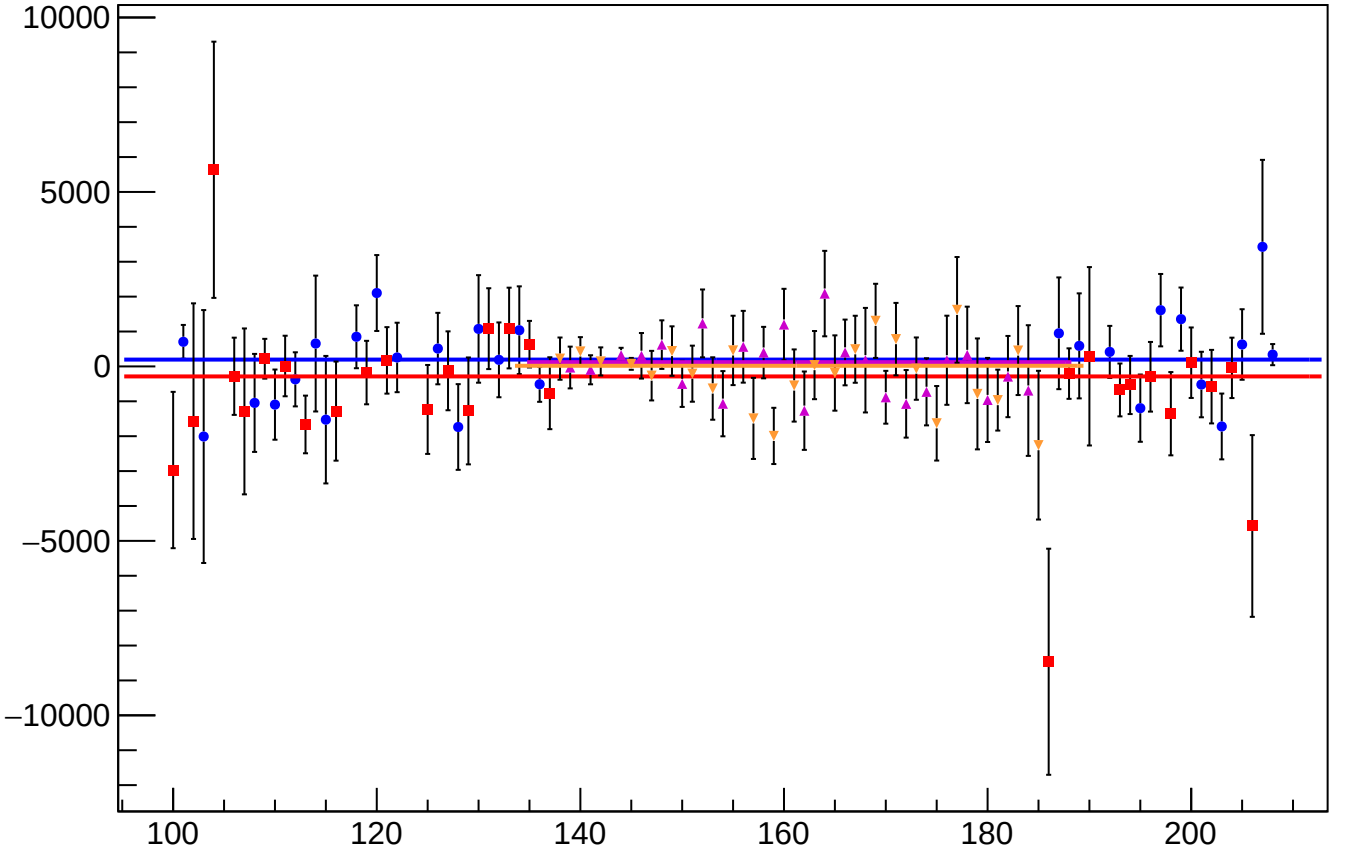
Right: 1819.198+/-0.230 χ^2/NDF: 1147379.2/55

In: 1766.626+/-0.215 χ^2/NDF:763124.7/49

Out: 1775.487+/-0.215 χ^2/NDF:463579.3/52

All: 1771.061+/-0.152 χ^2/NDF: 1227555.3/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 195.371+/-160.583 χ^2/NDF: 27.1/26

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -287.054+/-192.652 χ^2/NDF: 25.3/28

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

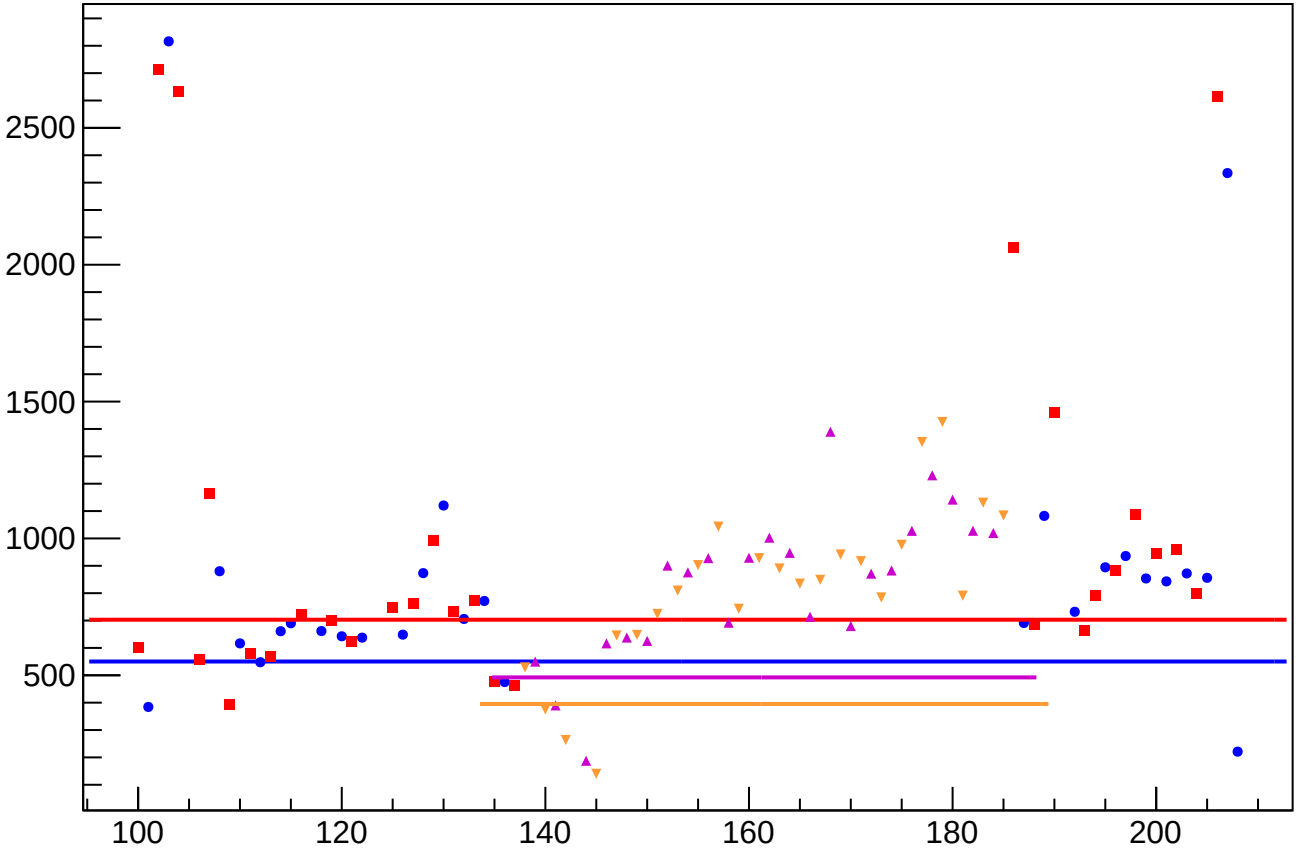
Right: -2.402+/-123.351 χ^2/NDF: 56.1/55

In: 152.776+/-104.290 χ^2/NDF:43.7/49

Out: -66.571+/-101.448 χ^2/NDF:46.6/52

All: 40.073+/-72.718 χ^2/NDF: 92.5/102

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 550.337+/-0.114 χ^2/NDF: 6932192.1/26

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 702.989+/-0.136 χ^2/NDF: 4671456.3/28

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

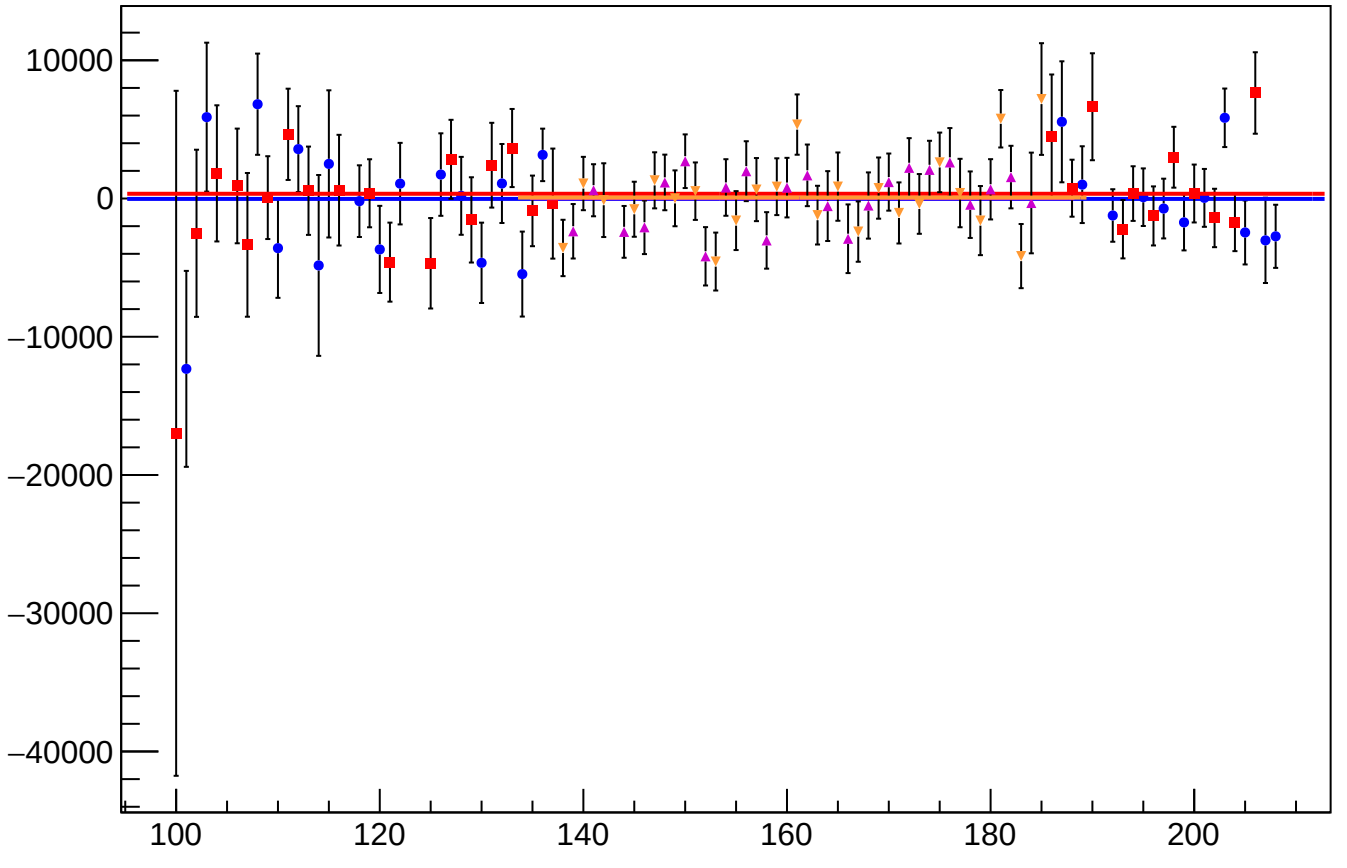
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 612.918+/-0.087 χ^2/NDF: 12344569.3/55

In: 516.776+/-0.074 χ^2/NDF:17502798.0/49

Out: 480.539+/-0.072 χ^2/NDF:22695574.0/52

All: 498.157+/-0.051 χ^2/NDF: 40322438.0/10



Right In: -27.538+/-521.504 χ^2/NDF: 35.4/26

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 343.663+/-523.890 χ^2/NDF: 26.5/28

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

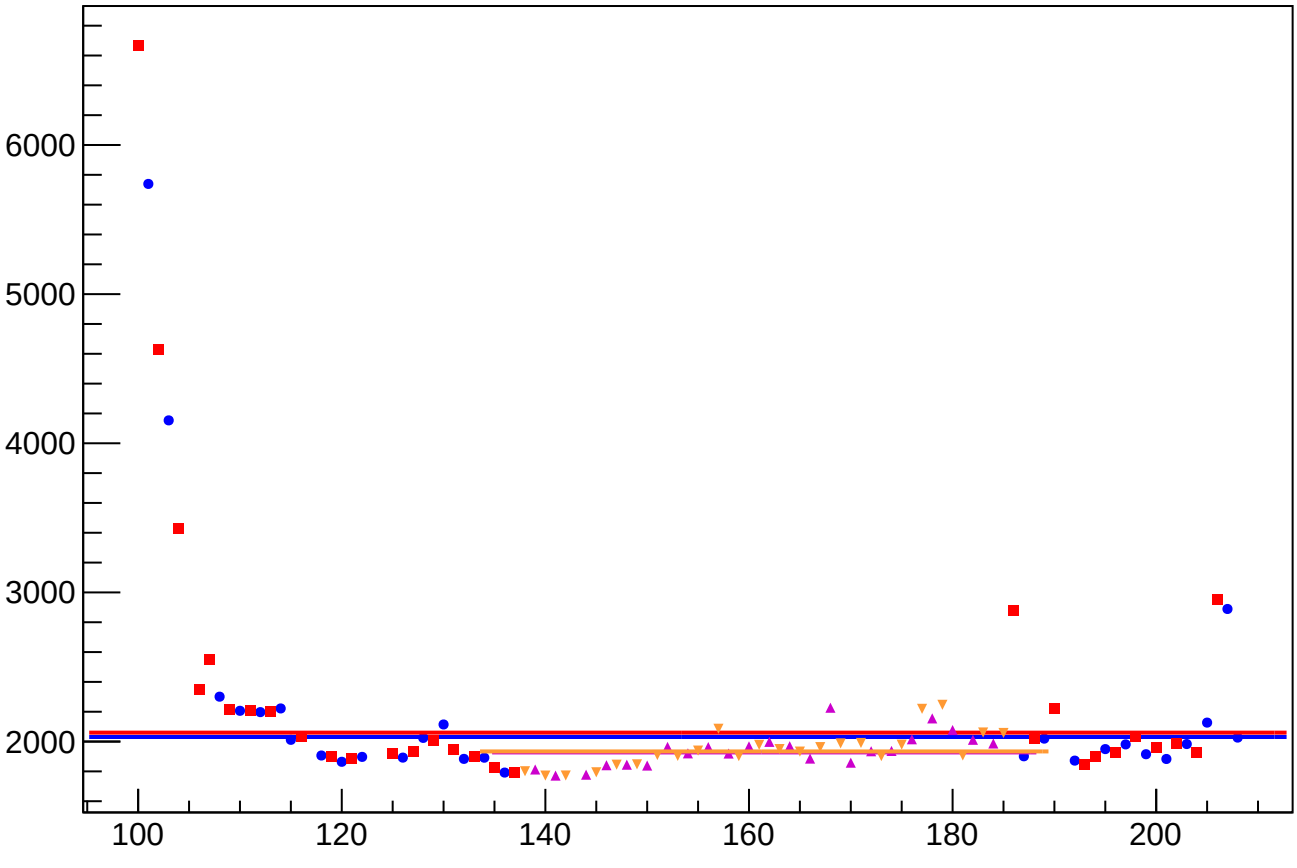
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 157.215+/-369.600 χ^2/NDF: 62.1/55

In: 2.863+/-341.024 χ^2/NDF:55.4/49

Out: 184.191+/-341.250 χ^2/NDF:60.2/52

All: 93.467+/-241.220 χ^2/NDF: 115.7/102



Right In: 2030.577+/-0.369 χ^2/NDF: 1138025.7/26

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2059.863+/-0.370 χ^2/NDF: 994480.9/28

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

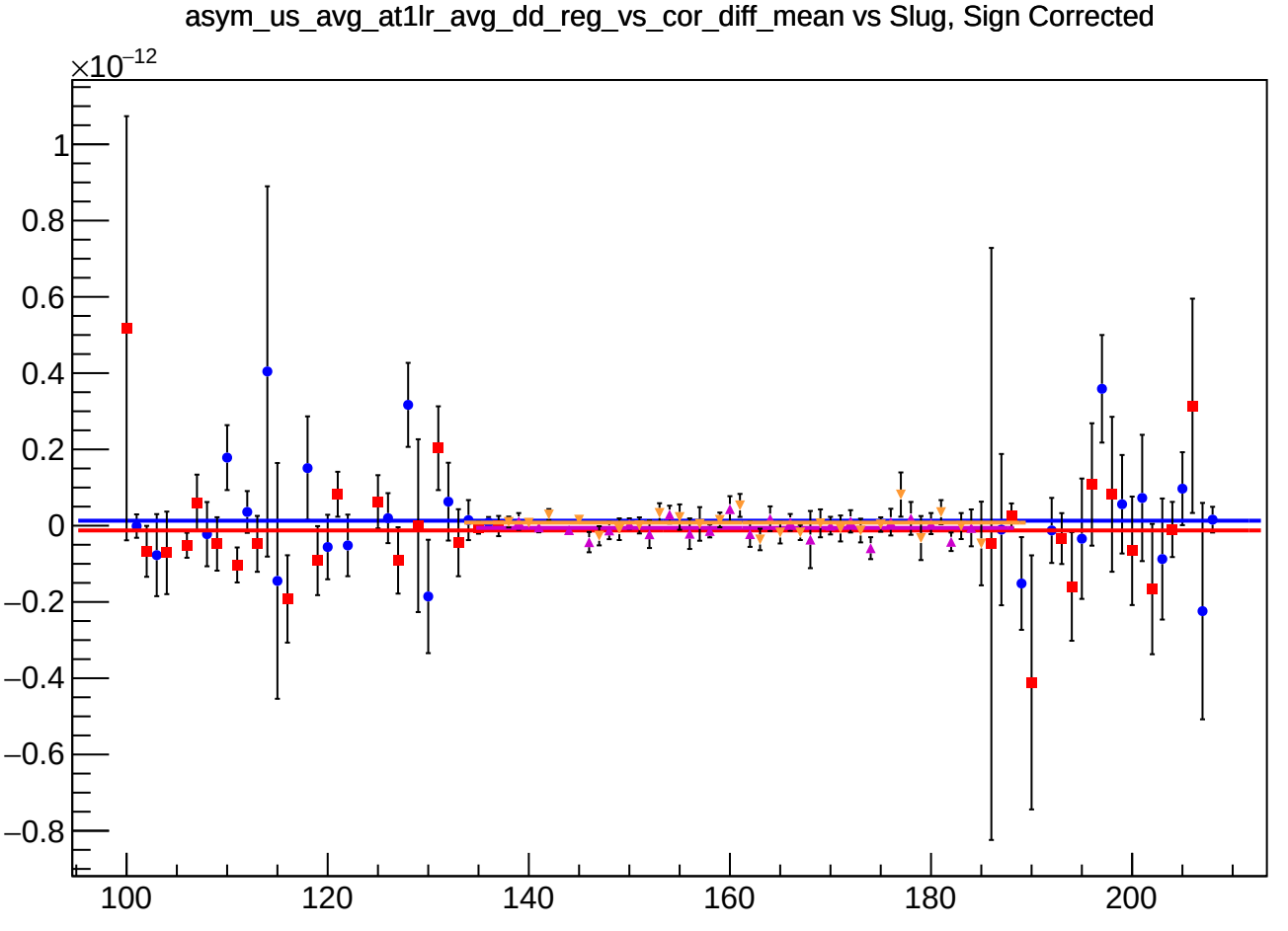
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

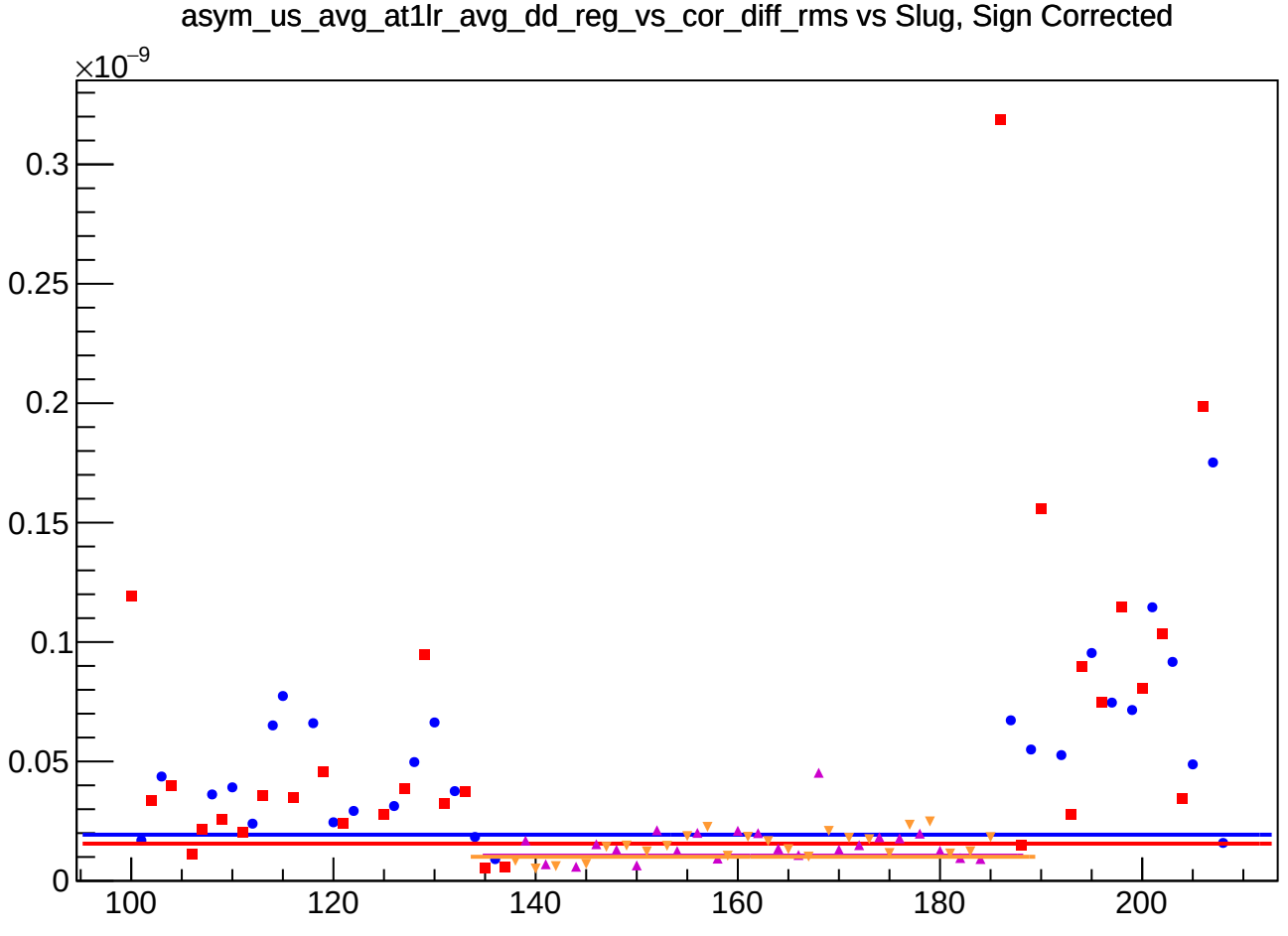
Right: 2045.153+/-0.261 χ^2/NDF: 2135645.8/55

In: 1971.363+/-0.241 χ^2/NDF:1299510.4/49

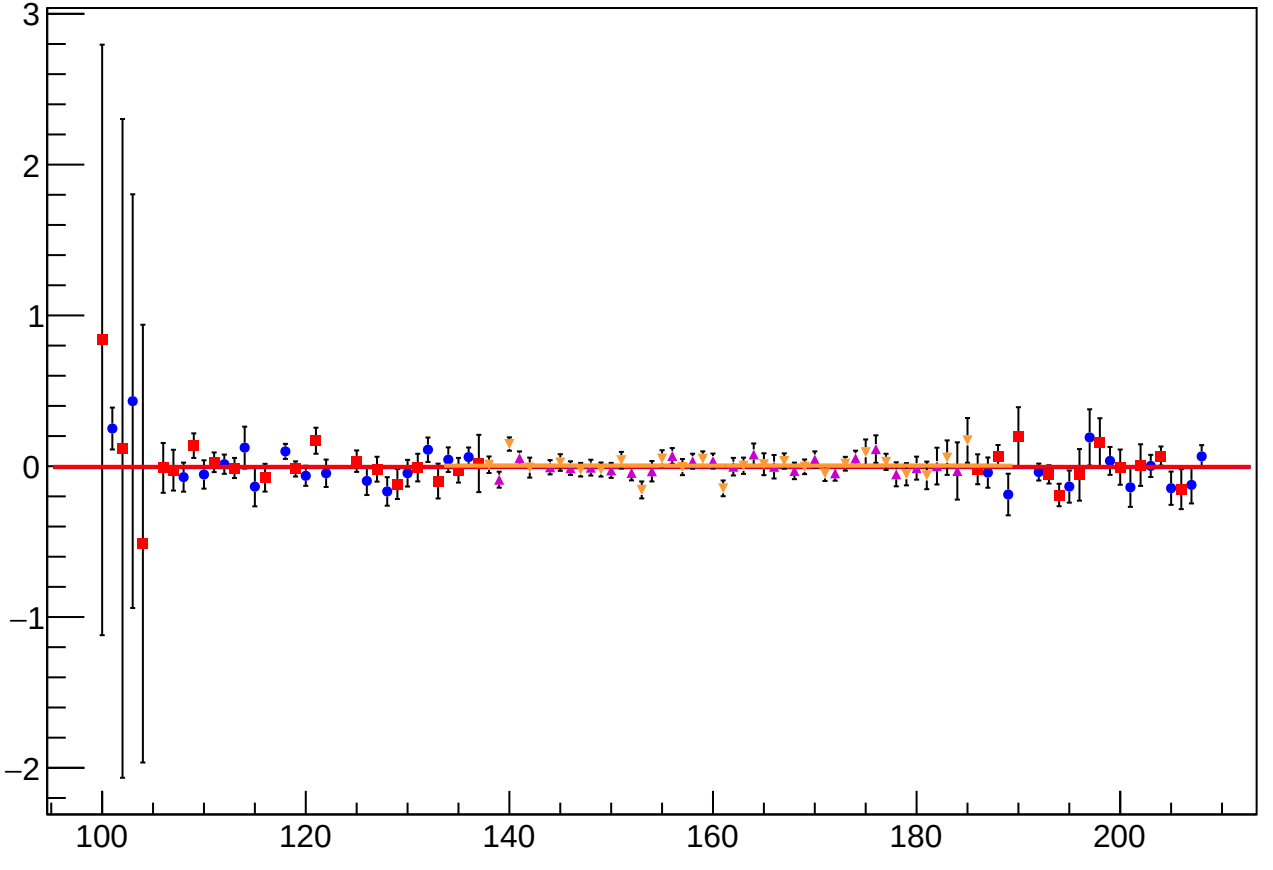
Out: 1987.290+/-0.241 χ^2/NDF:1189677.8/52

All: 1979.321+/-0.171 χ^2/NDF: 2491368.0/10


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.2/26
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/28
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: 59.3/55
In: -0.000+/-0.000 χ²/NDF:47.6/49
Out: 0.000+/-0.000 χ²/NDF:49.0/52
All: 0.000+/-0.000 χ²/NDF: 98.3/102


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5695314.4/26
Left Out: 0.000+/-0.000 χ²/NDF:2274817.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 6571869.7/28
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: 12401910.4/55
In: 0.000+/-0.000 χ²/NDF:9426558.7/49
Out: 0.000+/-0.000 χ²/NDF:9371152.3/52
All: 0.000+/-0.000 χ²/NDF: 18851159.7/102

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

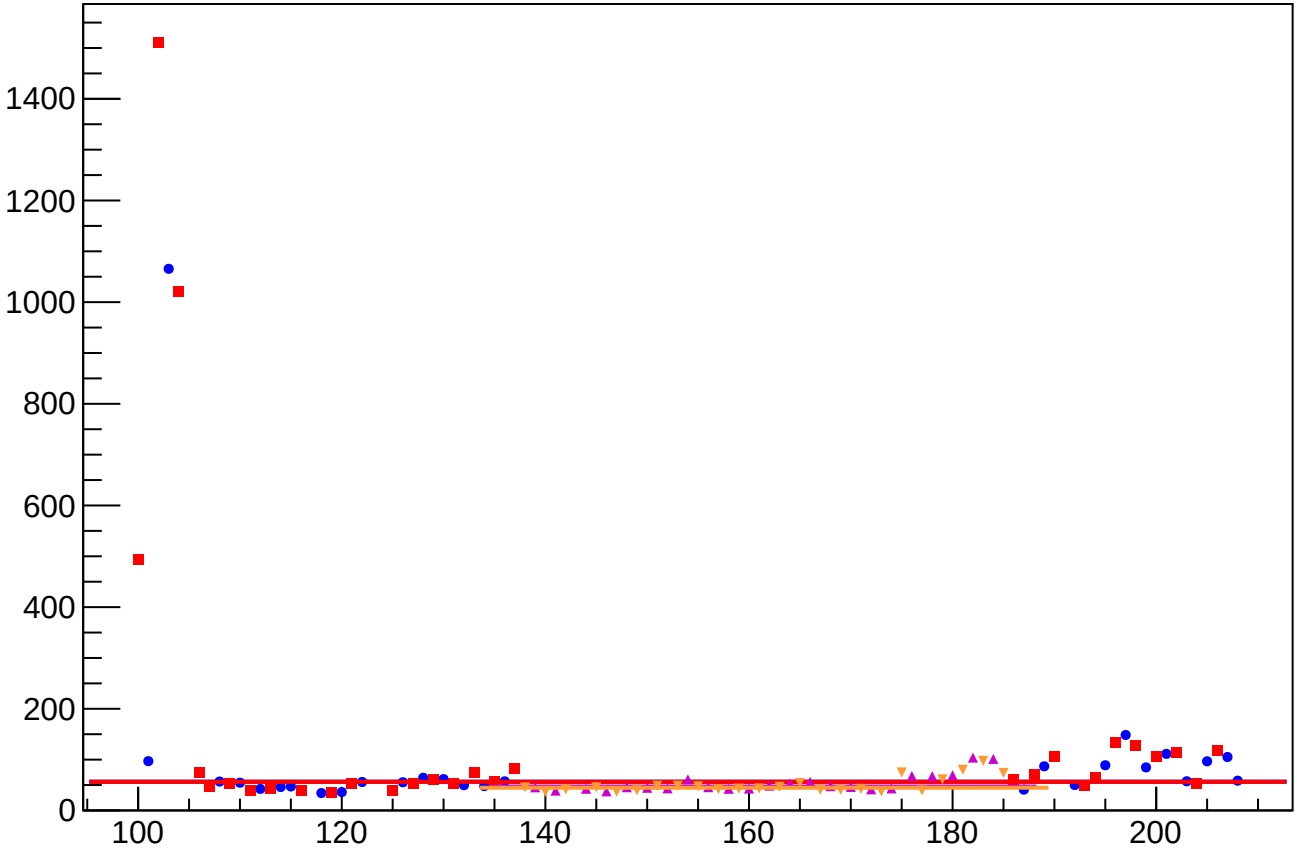
Right: -0.005+/-0.012 χ^2/NDF: 51.7/55

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.001+/-0.007 χ^2/NDF: 101.6/102

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

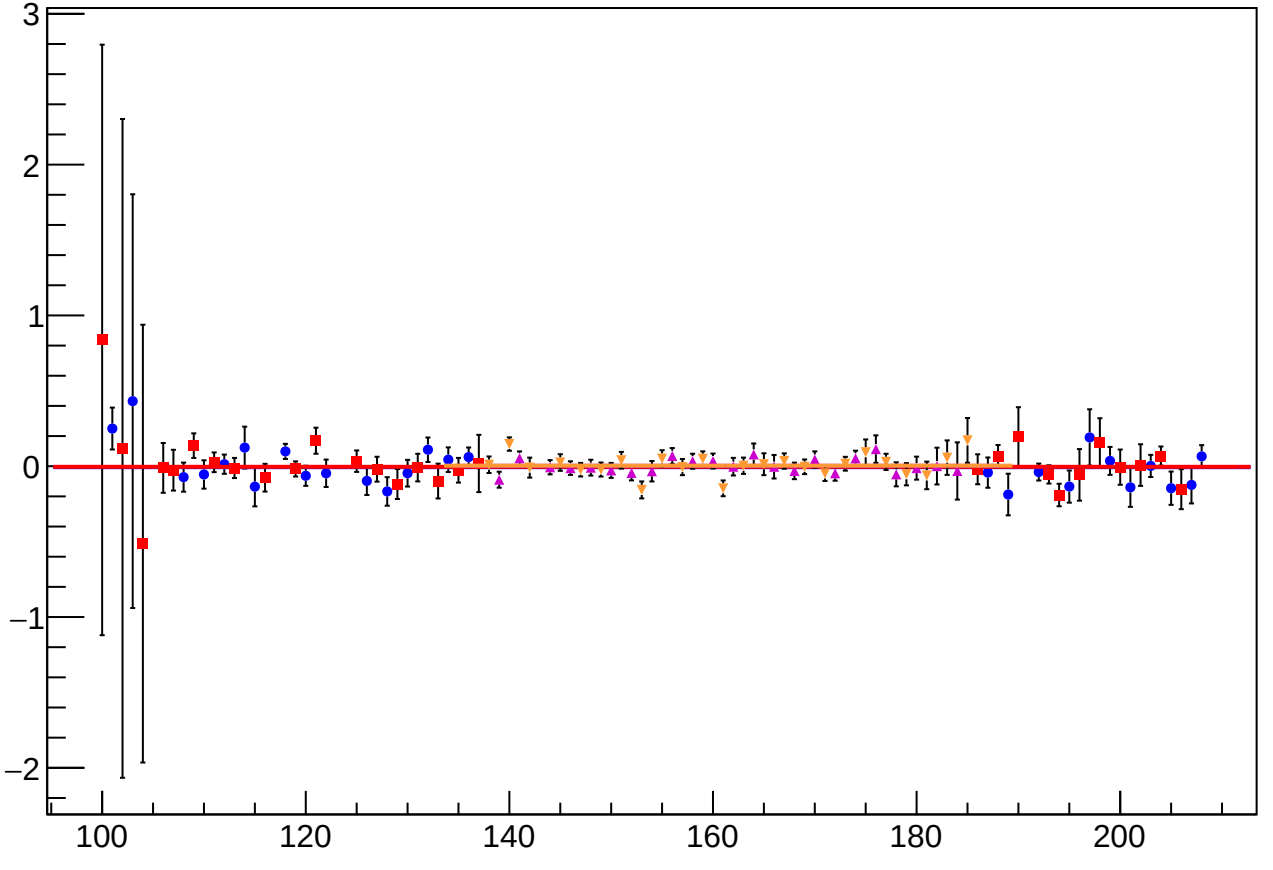
Right: 56.501+/-0.008 χ^2/NDF: 8939954.2/55

In: 50.290+/-0.007 χ^2/NDF:5800261.6/49

Out: 48.336+/-0.007 χ^2/NDF:7074301.5/52

All: 49.294+/-0.005 χ^2/NDF: 12915692.2/102

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

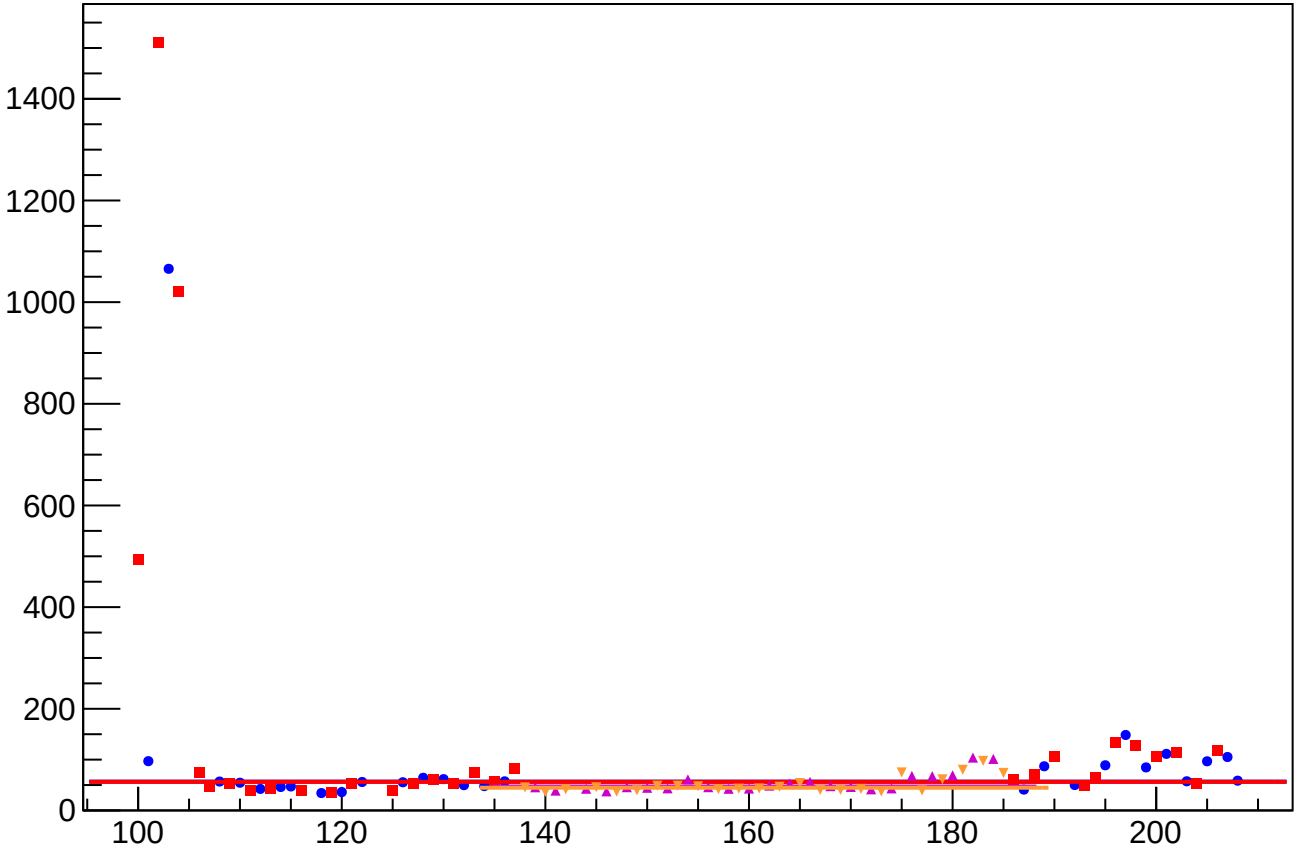
Right: -0.005+/-0.012 χ^2/NDF: 51.7/55

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.001+/-0.007 χ^2/NDF: 101.6/102

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

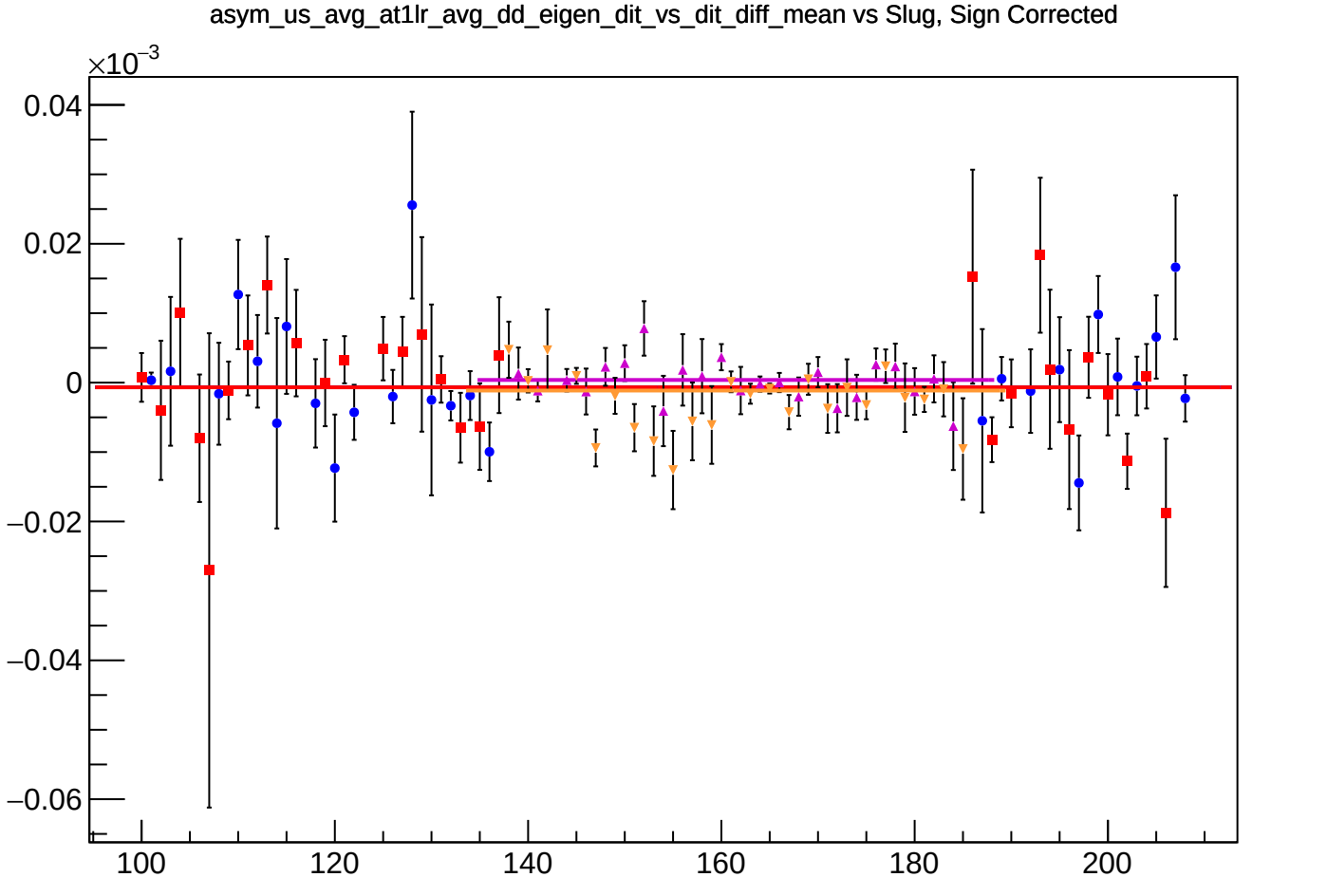
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 56.501+/-0.008 χ^2/NDF: 8939954.2/55

In: 50.290+/-0.007 χ^2/NDF:5800261.6/49

Out: 48.336+/-0.007 χ^2/NDF:7074301.5/52

All: 49.294+/-0.005 χ^2/NDF: 12915692.2/102



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

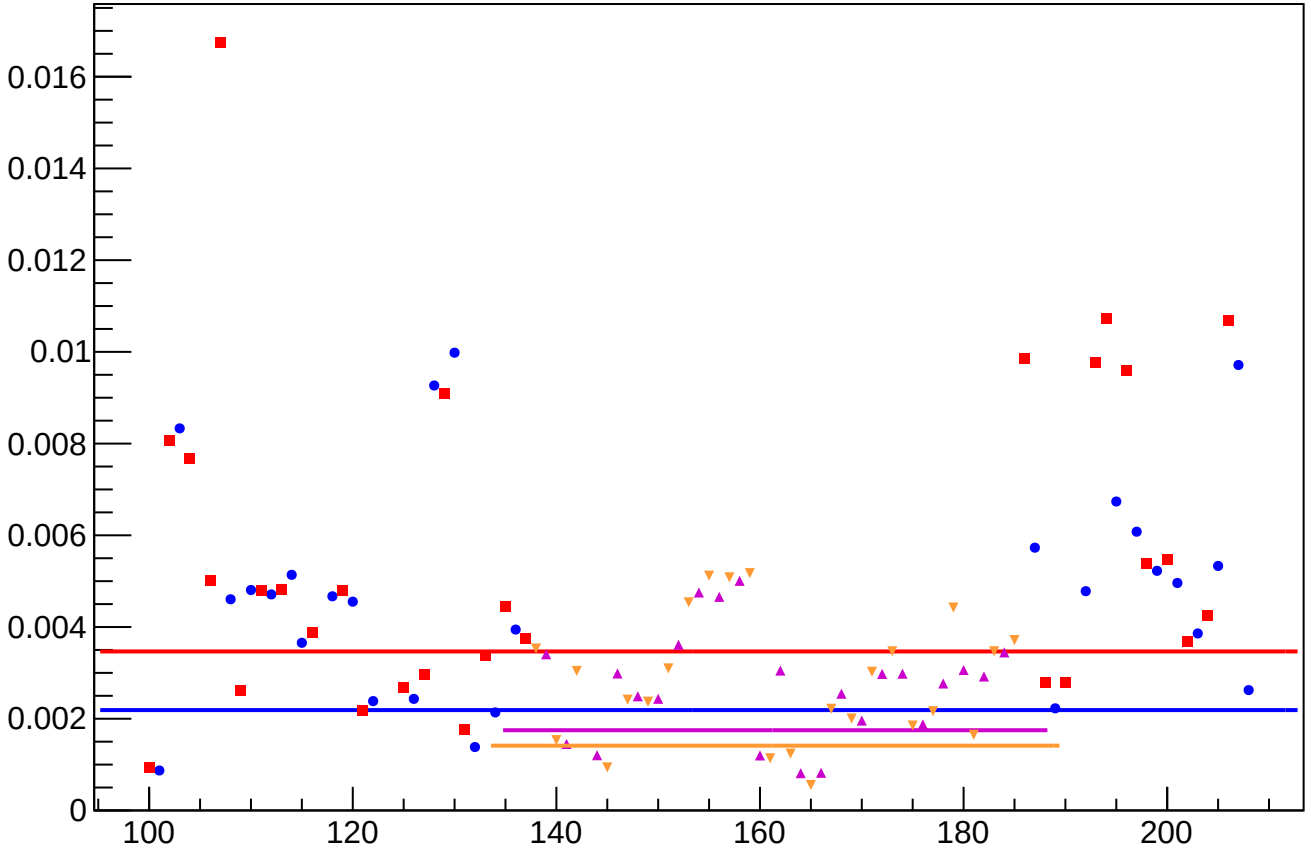
Right: -0.000+/-0.000 χ^2/NDF: 67.0/55

In: 0.000+/-0.000 χ^2/NDF:49.1/49

Out: -0.000+/-0.000 χ^2/NDF:71.6/52

All: -0.000+/-0.000 χ^2/NDF: 124.8/102

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: 11658407.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7613531.1/28

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

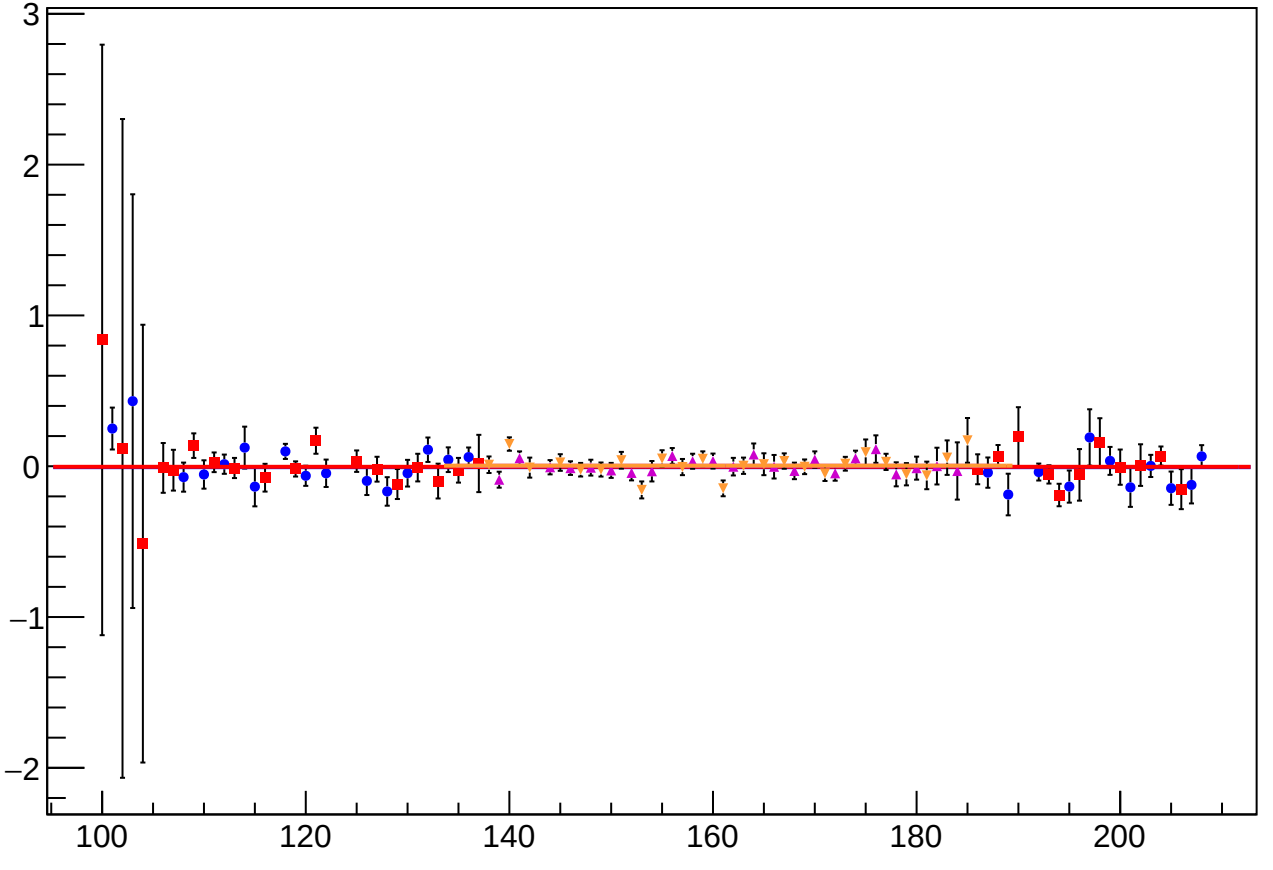
Right: 0.003+/-0.000 χ^2/NDF: 21324352.7/55

In: 0.002+/-0.000 χ^2/NDF:20394990.5/49

Out: 0.002+/-0.000 χ^2/NDF:26075121.5/52

All: 0.002+/-0.000 χ^2/NDF: 46707908.9/102

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

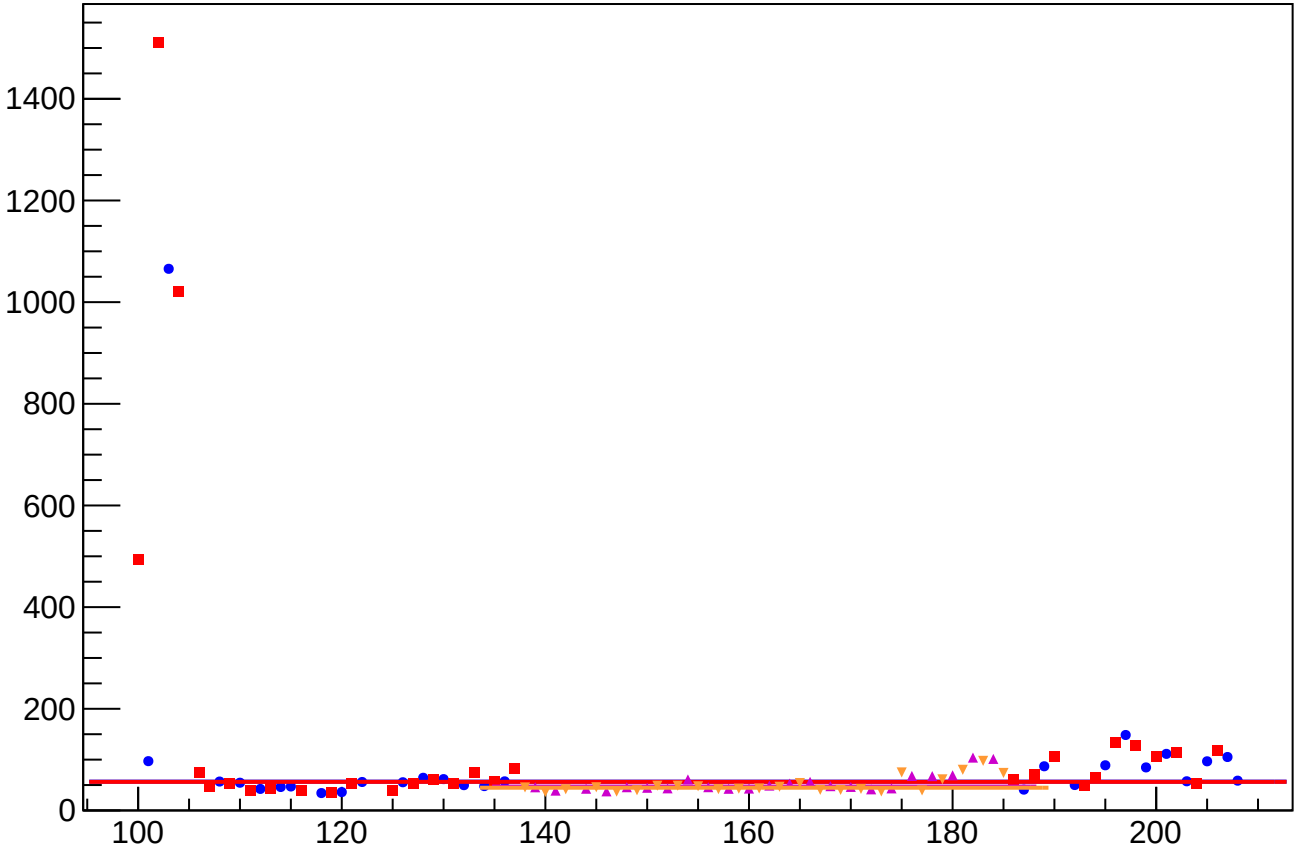
Right: -0.005+/-0.012 χ^2/NDF: 51.7/55

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.001+/-0.007 χ^2/NDF: 101.6/102

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

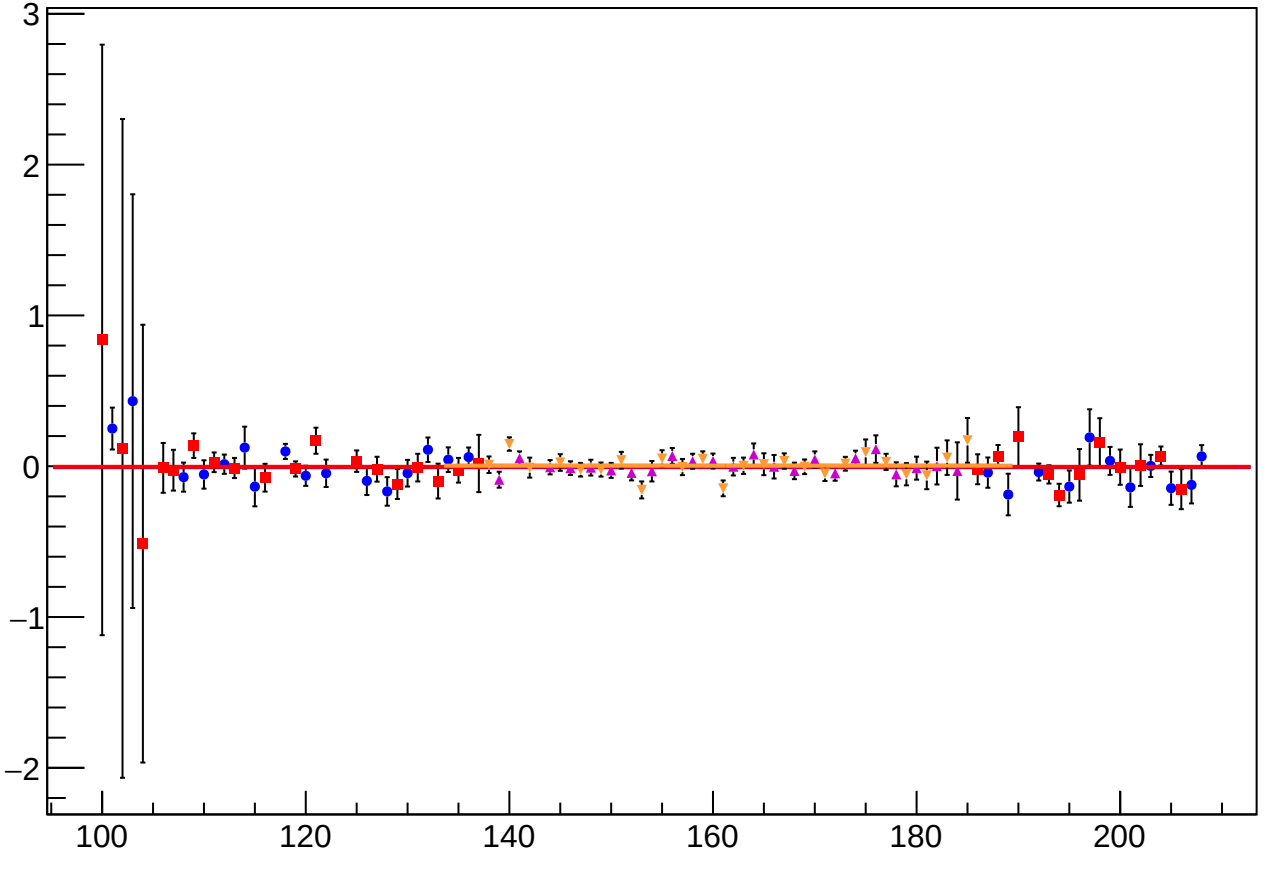
Right: 56.500+/-0.008 χ^2/NDF: 8940200.3/55

In: 50.290+/-0.007 χ^2/NDF:5800370.9/49

Out: 48.336+/-0.007 χ^2/NDF:7074371.3/52

All: 49.294+/-0.005 χ^2/NDF: 12915864.1/102

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

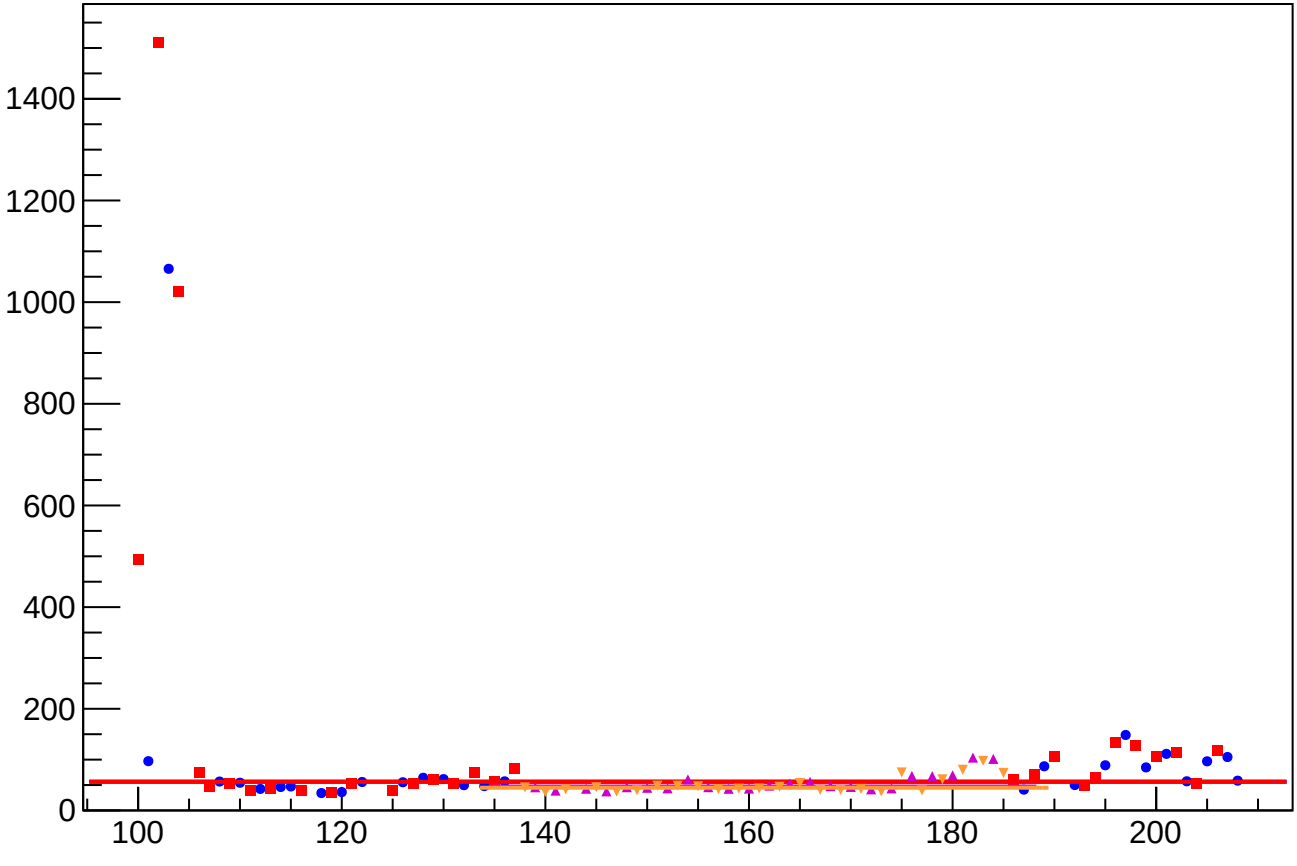
Right: -0.005+/-0.012 χ^2/NDF: 51.7/55

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.001+/-0.007 χ^2/NDF: 101.6/102

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

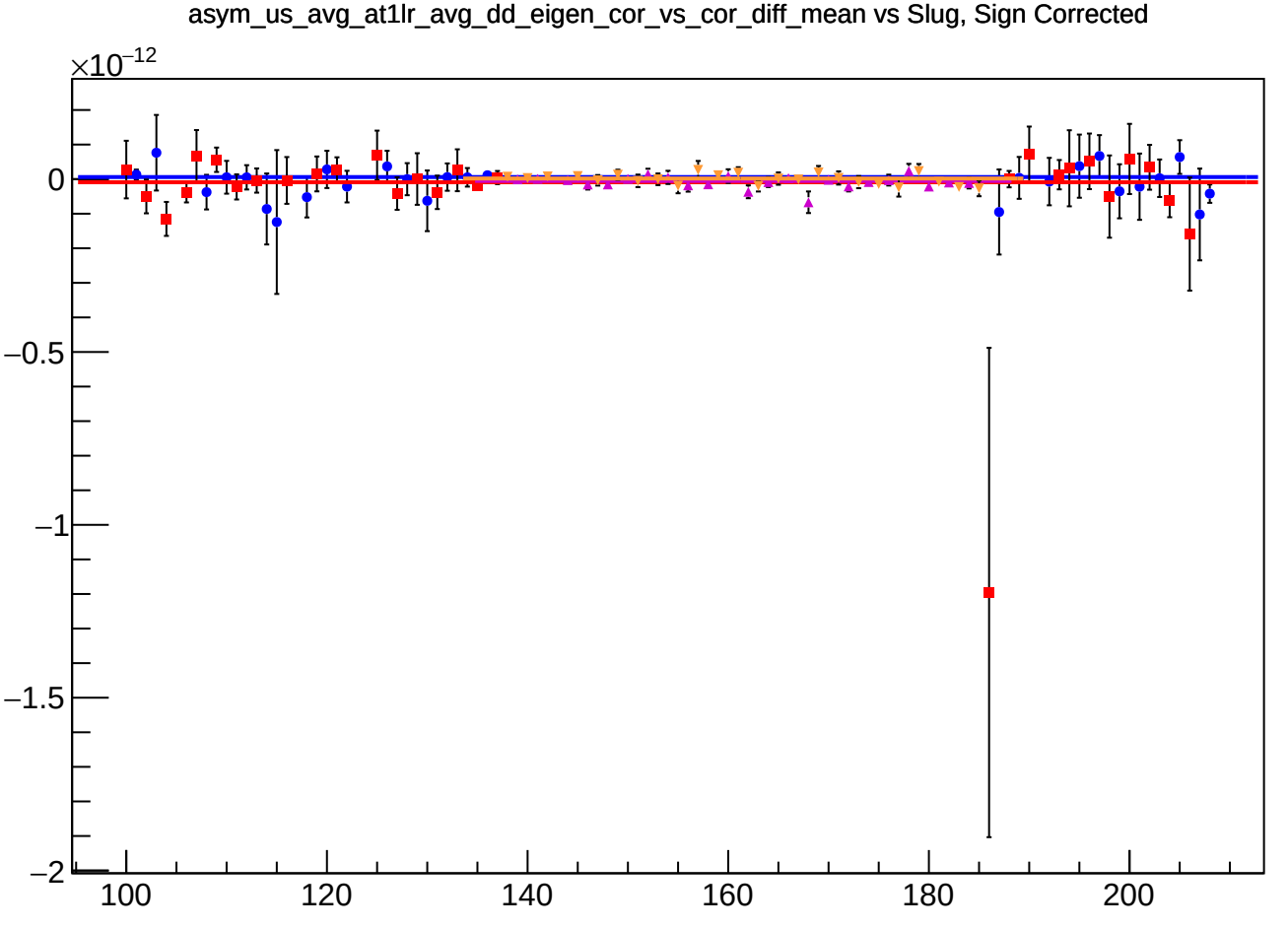
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 56.500+/-0.008 χ^2/NDF: 8940200.3/55

In: 50.290+/-0.007 χ^2/NDF:5800370.9/49

Out: 48.336+/-0.007 χ^2/NDF:7074371.3/52

All: 49.294+/-0.005 χ^2/NDF: 12915864.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

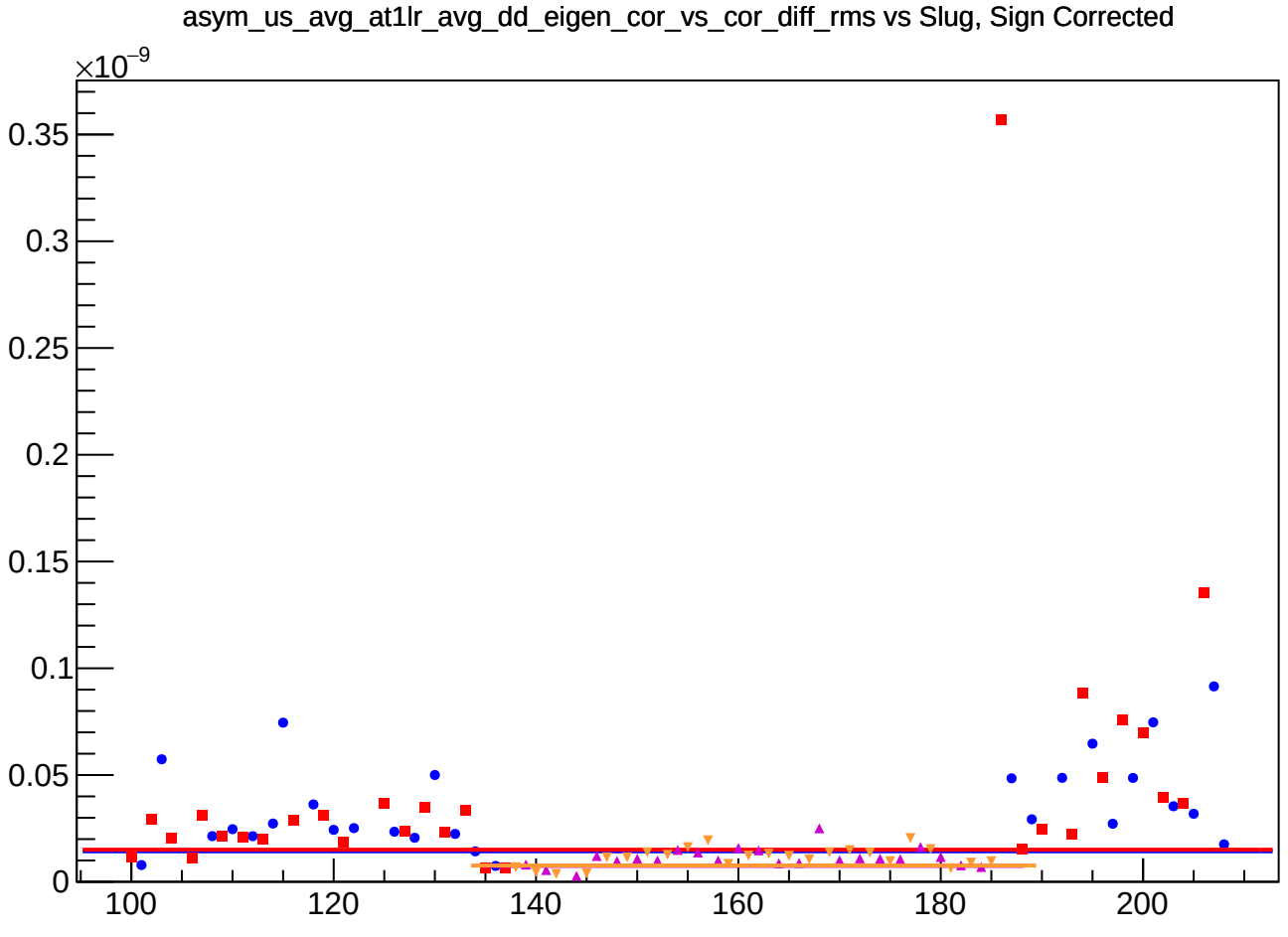
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 40.0/55

In: -0.000+/-0.000 χ^2/NDF:33.8/49

Out: 0.000+/-0.000 χ^2/NDF:47.2/52

All: -0.000+/-0.000 χ^2/NDF: 82.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 7143200.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7801305.7/28

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

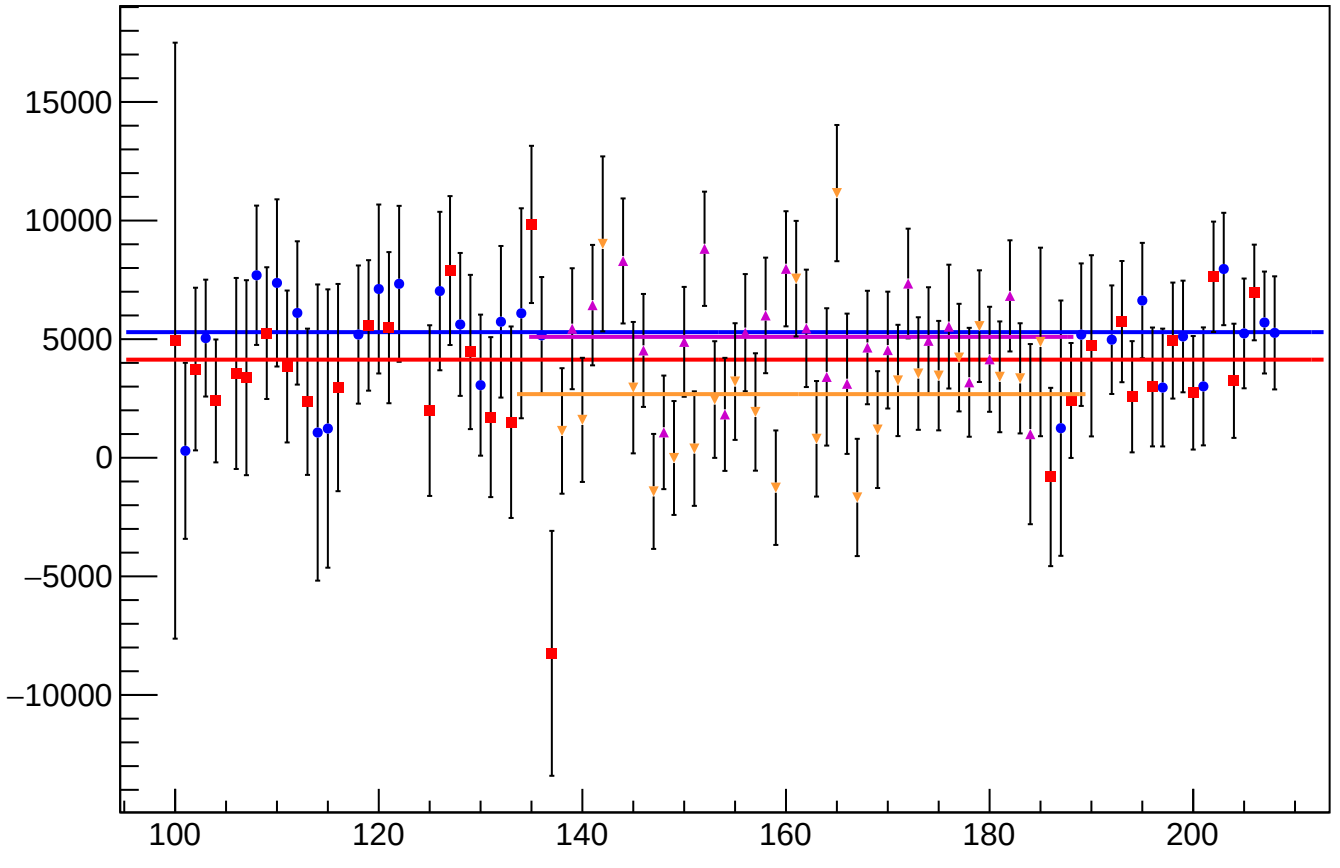
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 14958317.1/55

In: 0.000+/-0.000 χ^2/NDF:15230914.9/49

Out: 0.000+/-0.000 χ^2/NDF:15586347.4/52

All: 0.000+/-0.000 χ^2/NDF: 30821162.7/102



Right In: 5295.997+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 4136.412+/-552.426 χ^2/NDF: 21.1/28

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

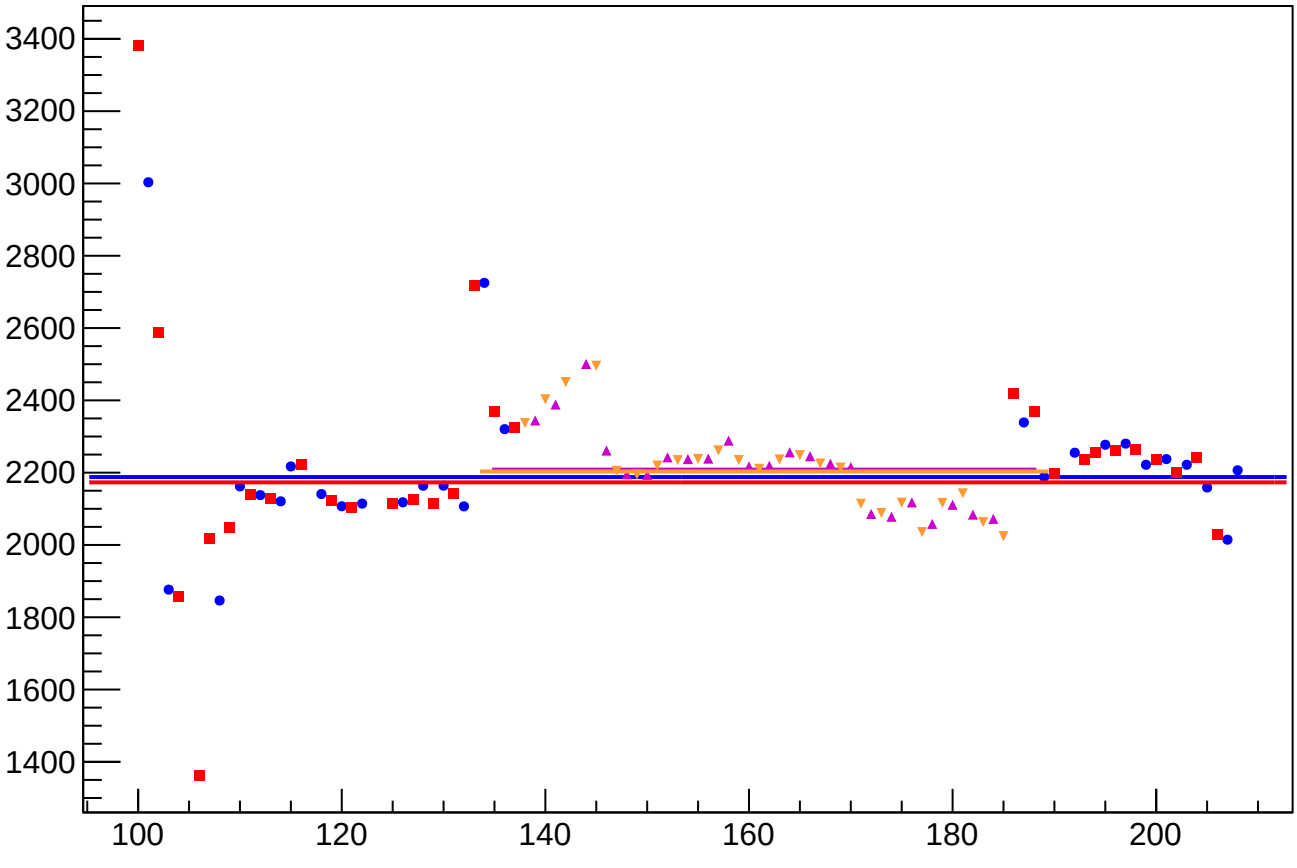
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4716.666+/-390.469 χ^2/NDF: 32.6/55

In: 5189.539+/-377.038 χ^2/NDF:24.3/49

Out: 3354.545+/-375.526 χ^2/NDF:55.7/52

All: 4268.355+/-266.070 χ^2/NDF: 91.9/102



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.6/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2173.167+/-0.388 χ^2/NDF: 324214.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

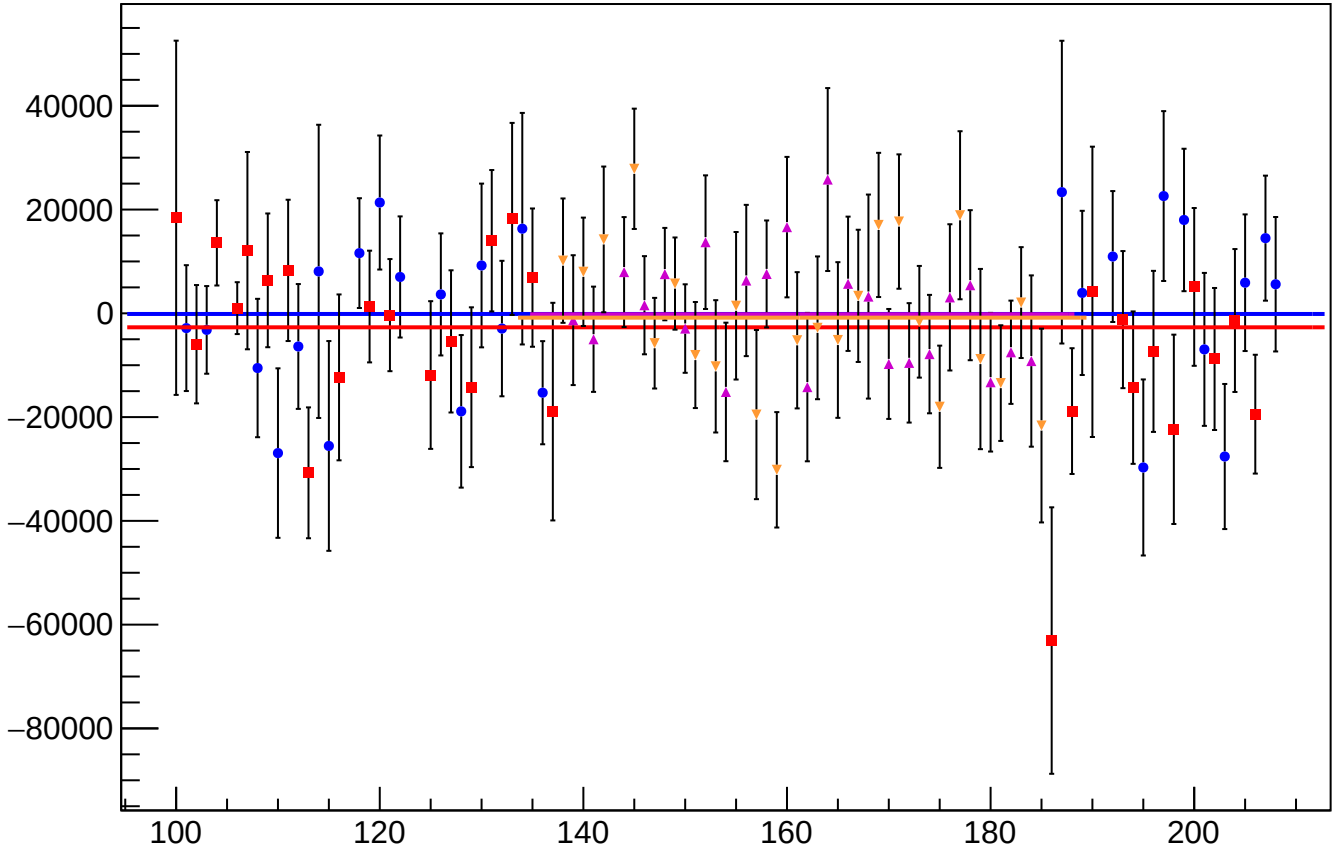
Right: 2180.424+/-0.275 χ^2/NDF: 545527.1/55

In: 2198.768+/-0.267 χ^2/NDF:303087.7/49

Out: 2189.261+/-0.265 χ^2/NDF:415648.5/52

All: 2193.979+/-0.188 χ^2/NDF: 719376.8/102

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -123.571+/-2588.769 χ^2/NDF: 28.9/26

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2694.907+/-2323.157 χ^2/NDF: 28.9/28

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

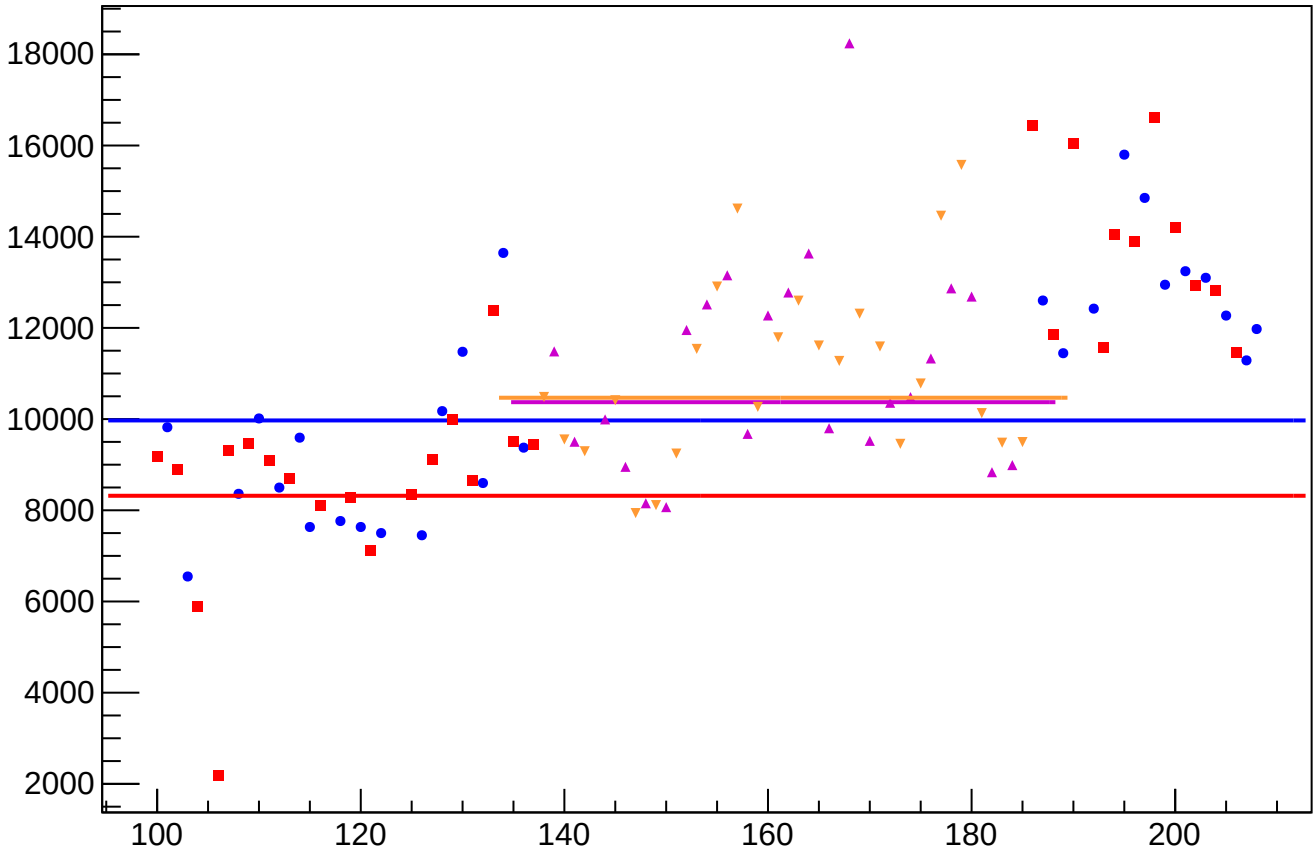
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: -1547.878+/-1729.024 χ^2/NDF: 58.4/55

In: -154.365+/-1787.530 χ^2/NDF:42.7/49

Out: -1825.463+/-1695.927 χ^2/NDF:58.7/52

All: -1033.827+/-1230.311 χ^2/NDF: 101.9/10



Right In: 9970.528+/-1.831 χ^2/NDF: 1798997.1/26

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8318.360+/-1.643 χ^2/NDF: 5909303.0/28

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

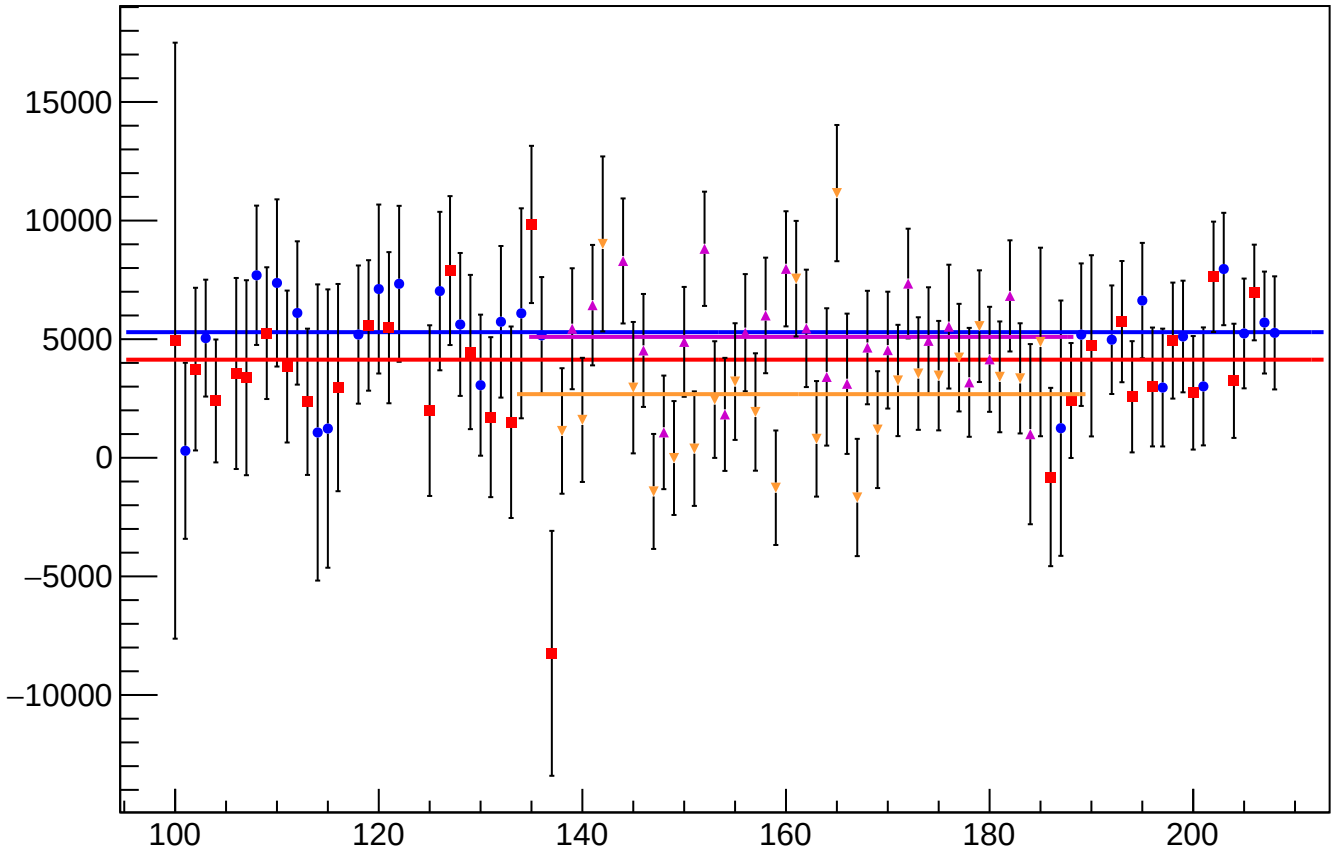
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9055.364+/-1.223 χ^2/NDF: 8159529.0/55

In: 10180.007+/-1.264 χ^2/NDF:3027784.1/49

Out: 9322.743+/-1.199 χ^2/NDF:7754900.4/52

All: 9728.848+/-0.870 χ^2/NDF: 11024770.1/1



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4136.282+/-552.426 χ^2/NDF: 21.1/28

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

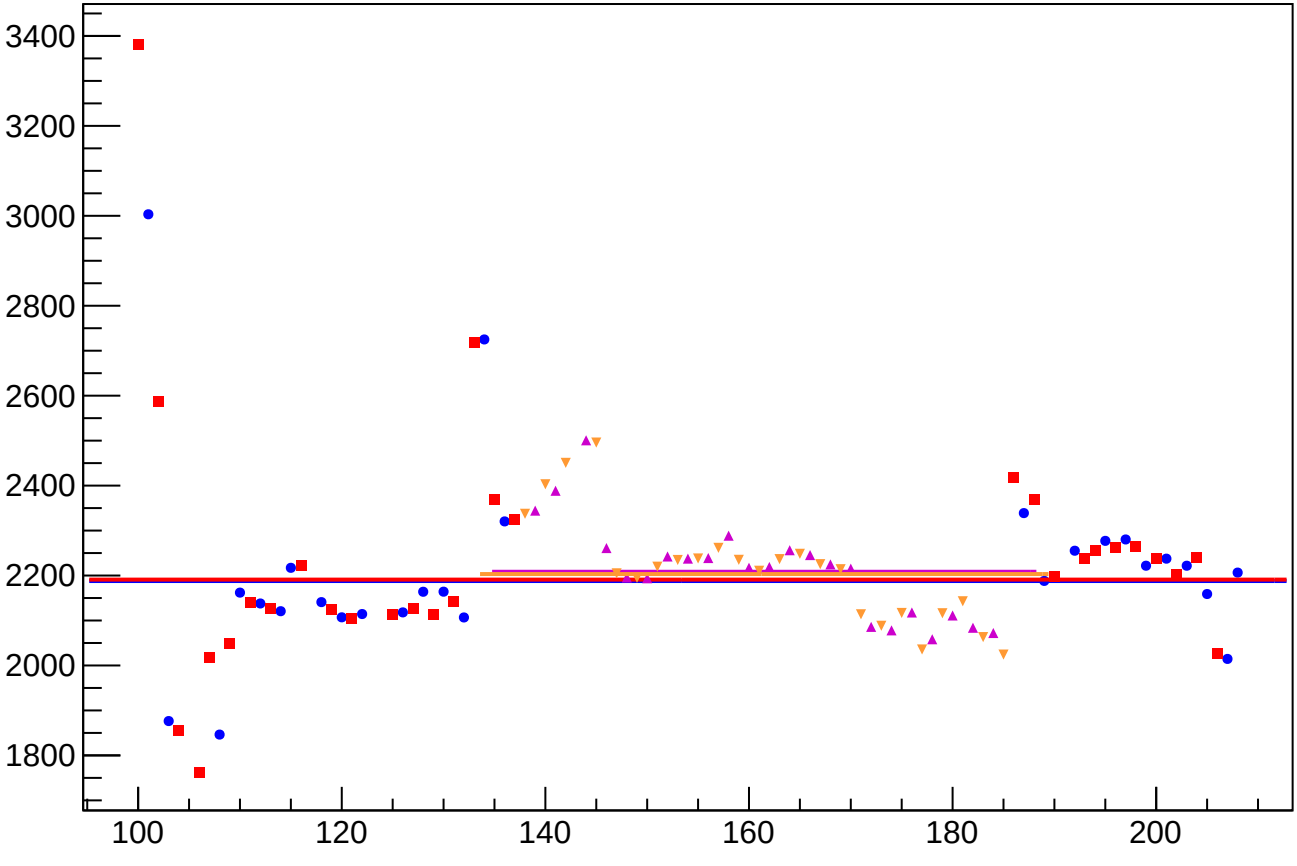
Right: 4716.633+/-390.469 χ^2/NDF: 32.6/55

In: 5189.520+/-377.038 χ^2/NDF:24.3/49

Out: 3354.443+/-375.526 χ^2/NDF:55.7/52

All: 4268.294+/-266.070 χ^2/NDF: 91.9/102

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

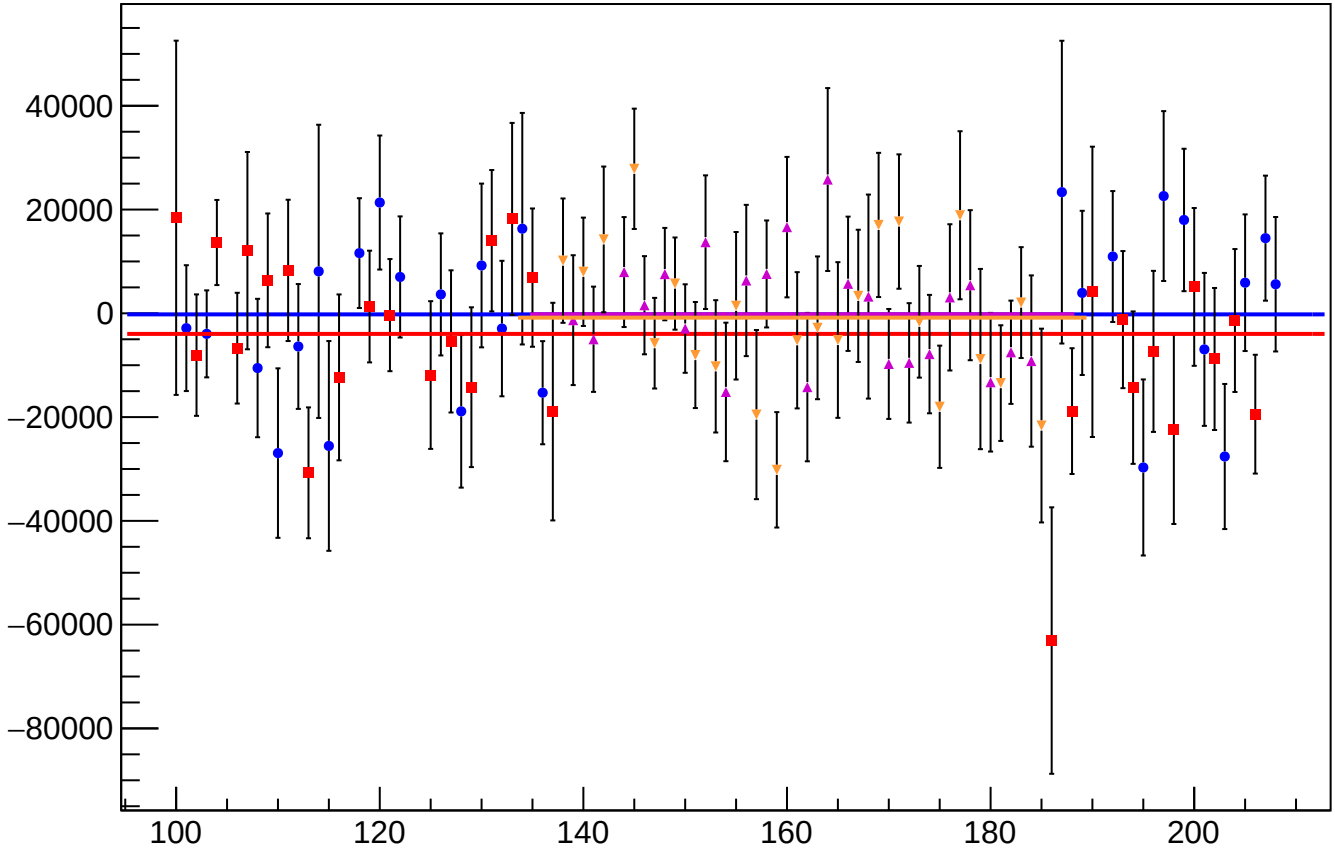
Right: 2189.364+/-0.276 χ^2/NDF: 422798.9/55

In: 2198.768+/-0.267 χ^2/NDF:303088.0/49

Out: 2197.574+/-0.265 χ^2/NDF:290905.7/52

All: 2198.168+/-0.188 χ^2/NDF: 594003.8/102

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3964.427+/-2550.362 χ^2/NDF: 28.5/28

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

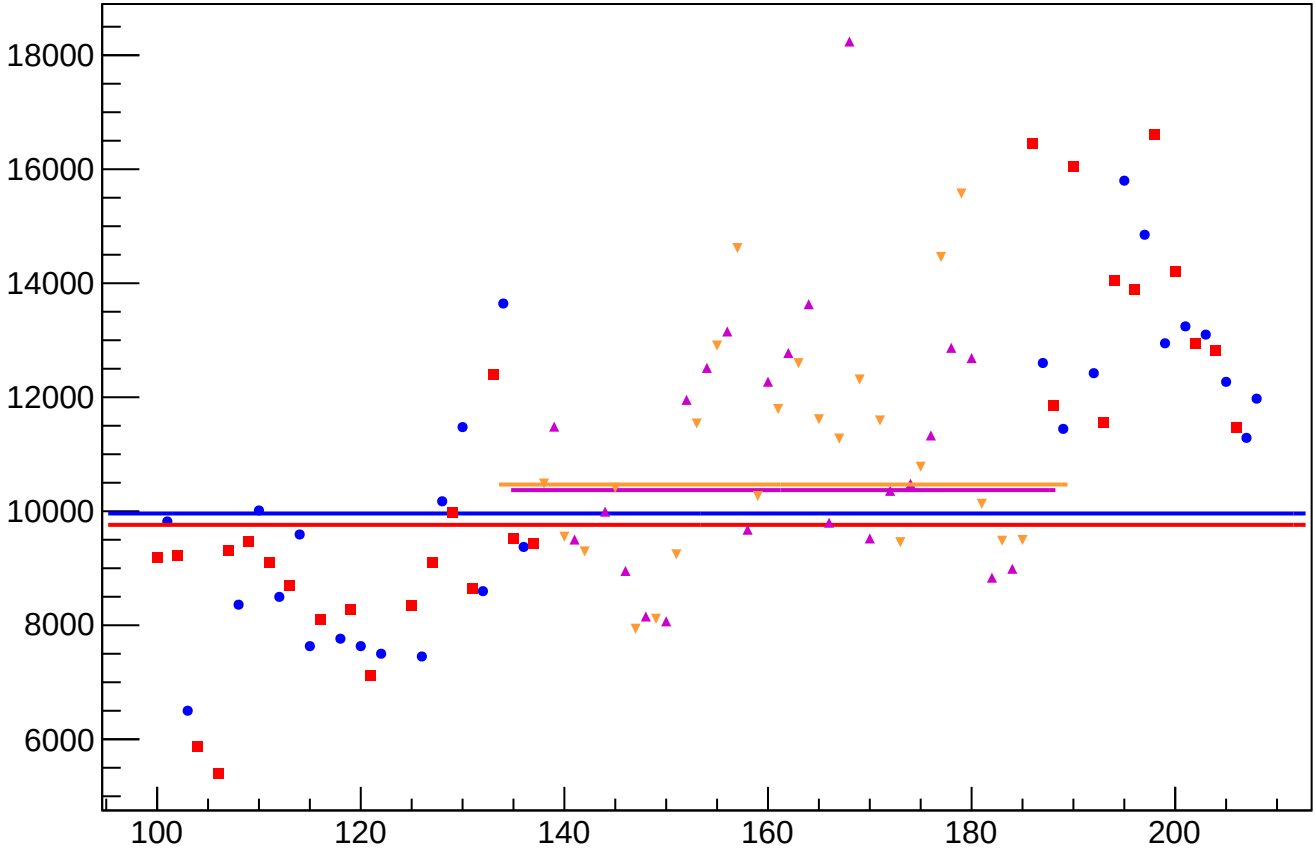
Right: -2109.332+/-1816.158 χ^2/NDF: 58.6/55

In: -191.112+/-1786.913 χ^2/NDF:42.8/49

Out: -2356.083+/-1778.520 χ^2/NDF:58.7/52

All: -1278.694+/-1260.561 χ^2/NDF: 102.2/10

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

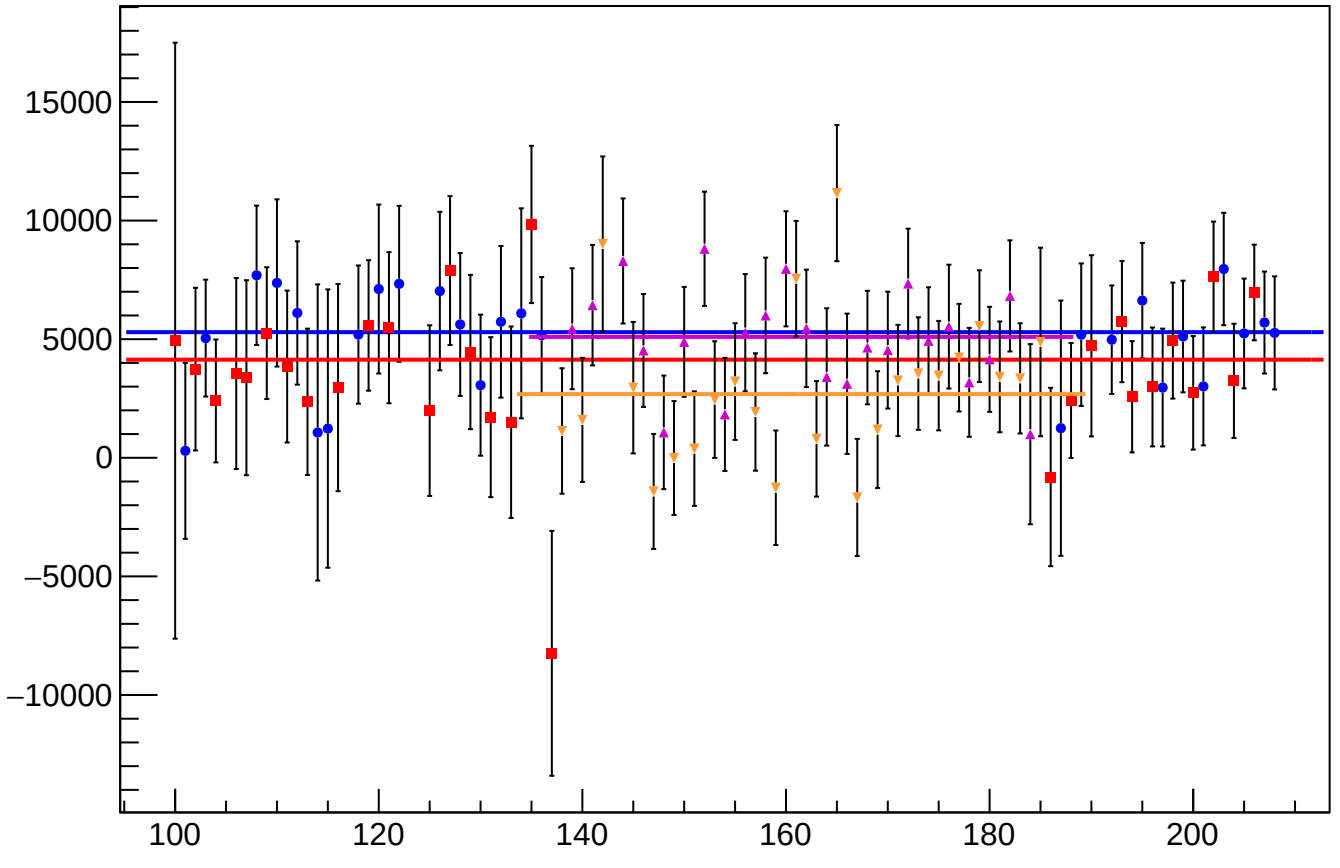
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9859.700+/-1.284 χ^2/NDF: 4233923.8/55

In: 10175.343+/-1.264 χ^2/NDF:3043294.5/49

Out: 10124.612+/-1.258 χ^2/NDF:3538904.8/52

All: 10149.858+/-0.891 χ^2/NDF: 6583009.0/1



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4136.282+/-552.426 χ^2/NDF: 21.1/28

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

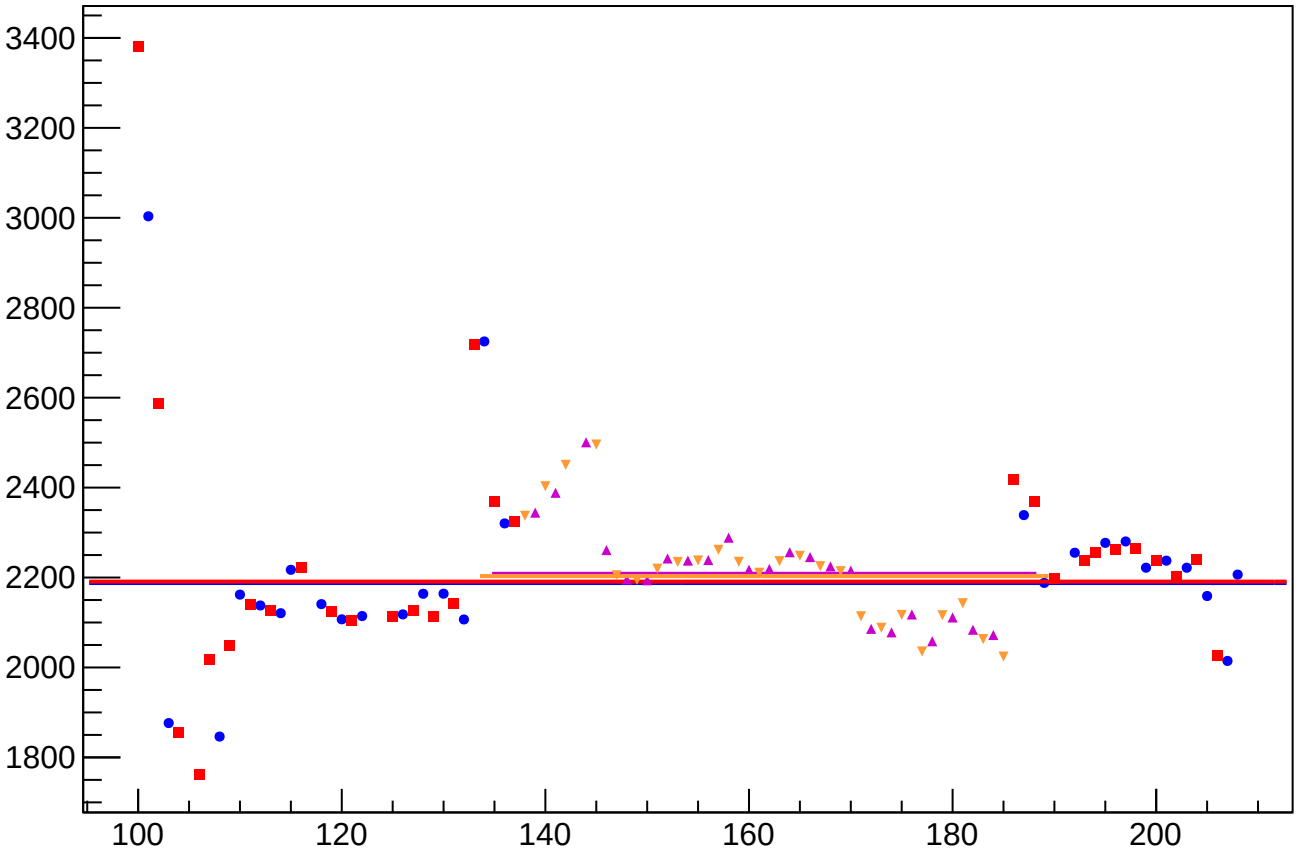
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4716.633+/-390.469 χ^2/NDF: 32.6/55

In: 5189.520+/-377.038 χ^2/NDF:24.3/49

Out: 3354.443+/-375.526 χ^2/NDF:55.7/52

All: 4268.294+/-266.070 χ^2/NDF: 91.9/102



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

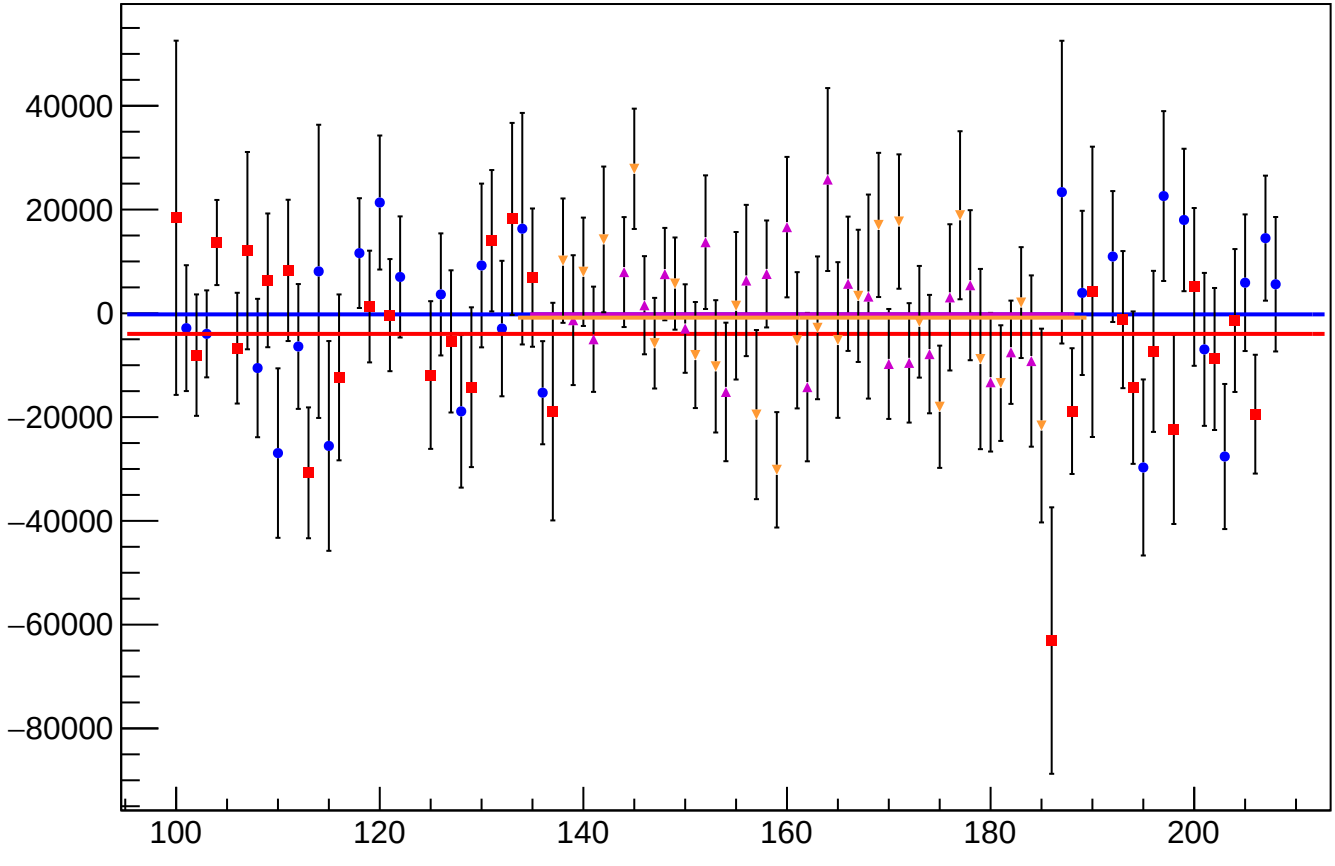
Right: 2189.364+/-0.276 χ^2/NDF: 422798.9/55

In: 2198.768+/-0.267 χ^2/NDF:303088.0/49

Out: 2197.574+/-0.265 χ^2/NDF:290905.7/52

All: 2198.168+/-0.188 χ^2/NDF: 594003.8/102

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3964.427+/-2550.362 χ^2/NDF: 28.5/28

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

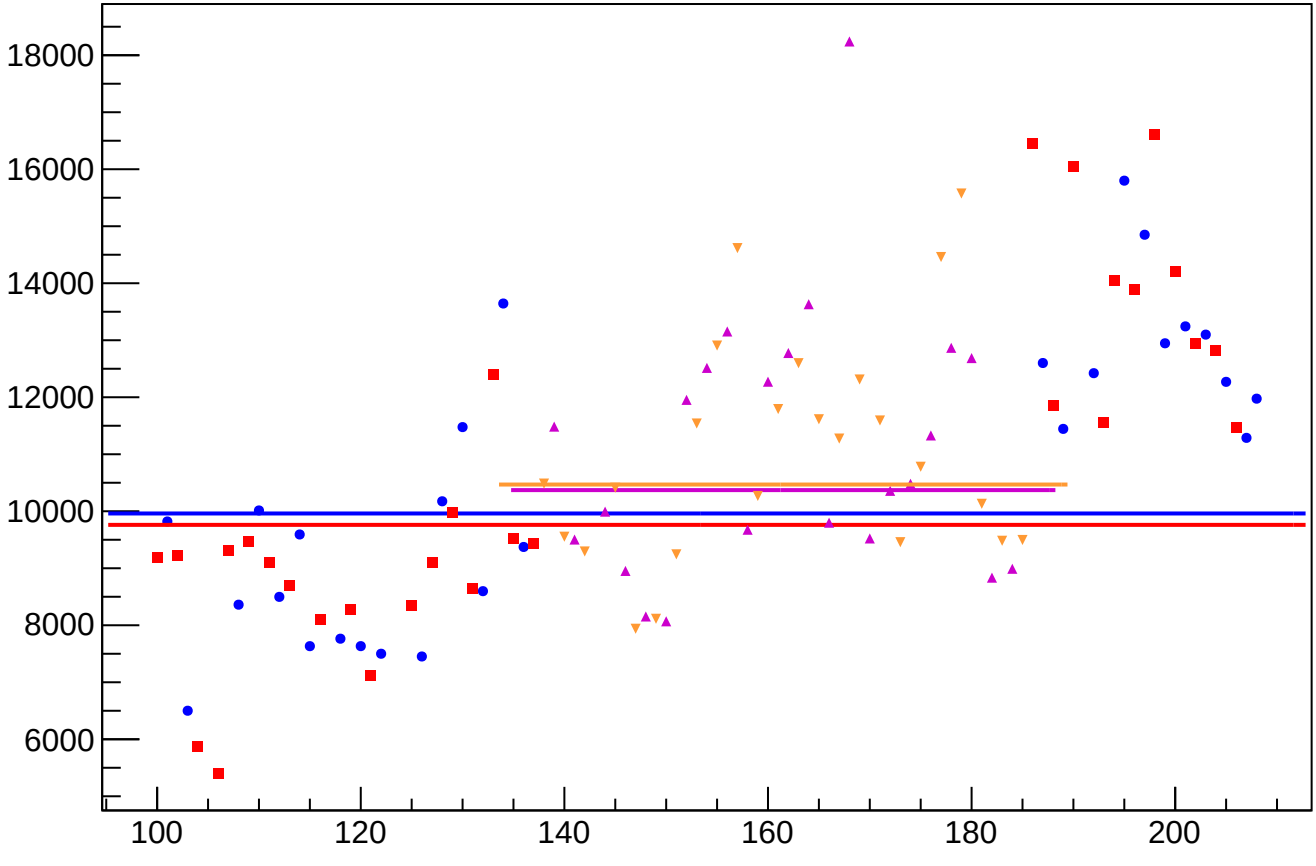
Right: -2109.332+/-1816.158 χ^2/NDF: 58.6/55

In: -191.112+/-1786.913 χ^2/NDF:42.8/49

Out: -2356.083+/-1778.520 χ^2/NDF:58.7/52

All: -1278.694+/-1260.561 χ^2/NDF: 102.2/10

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

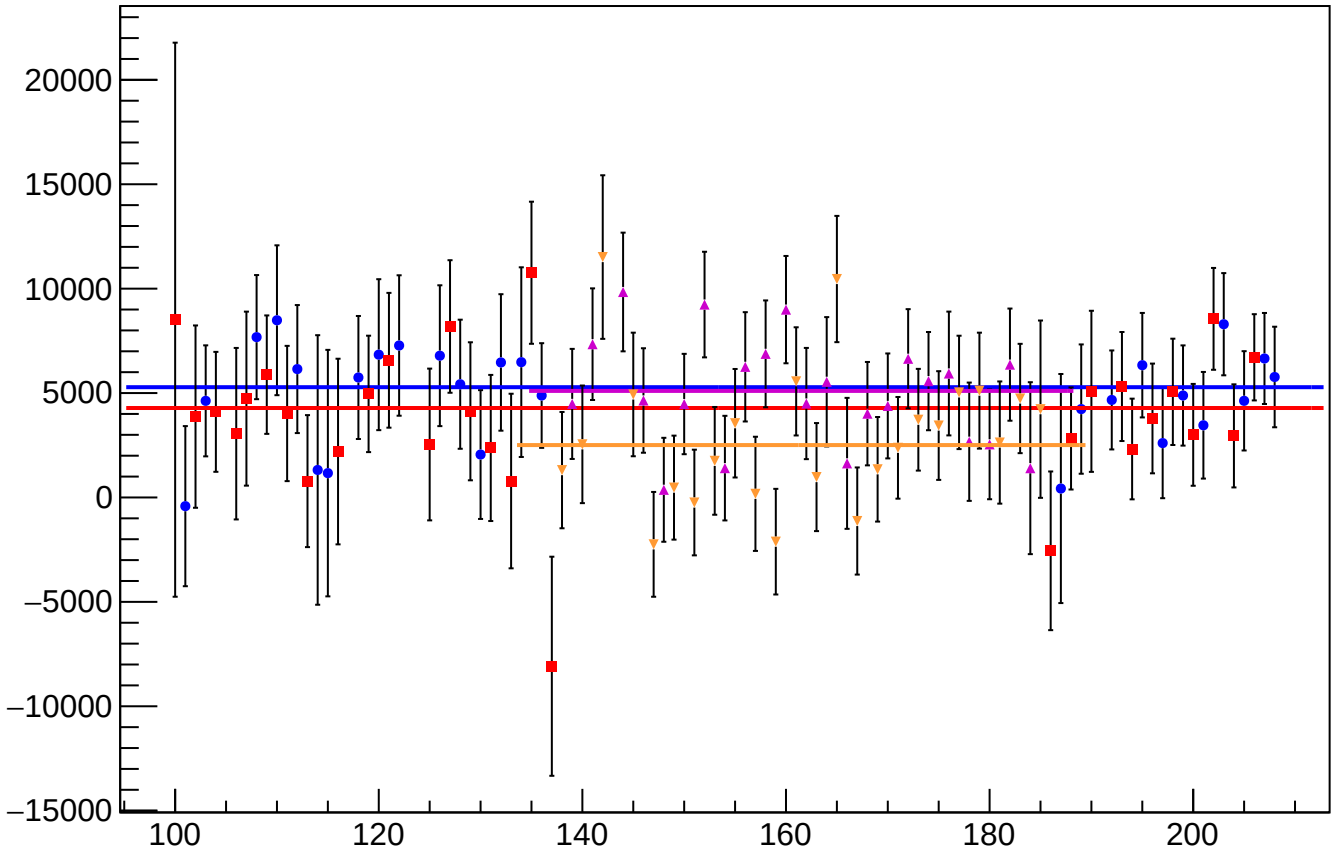
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9859.700+/-1.284 χ^2/NDF: 4233923.8/55

In: 10175.343+/-1.264 χ^2/NDF:3043294.5/49

Out: 10124.612+/-1.258 χ^2/NDF:3538904.8/52

All: 10149.858+/-0.891 χ^2/NDF: 6583009.0/1



Right In: 5281.141+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4284.142+/-570.154 χ^2/NDF: 24.1/28

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

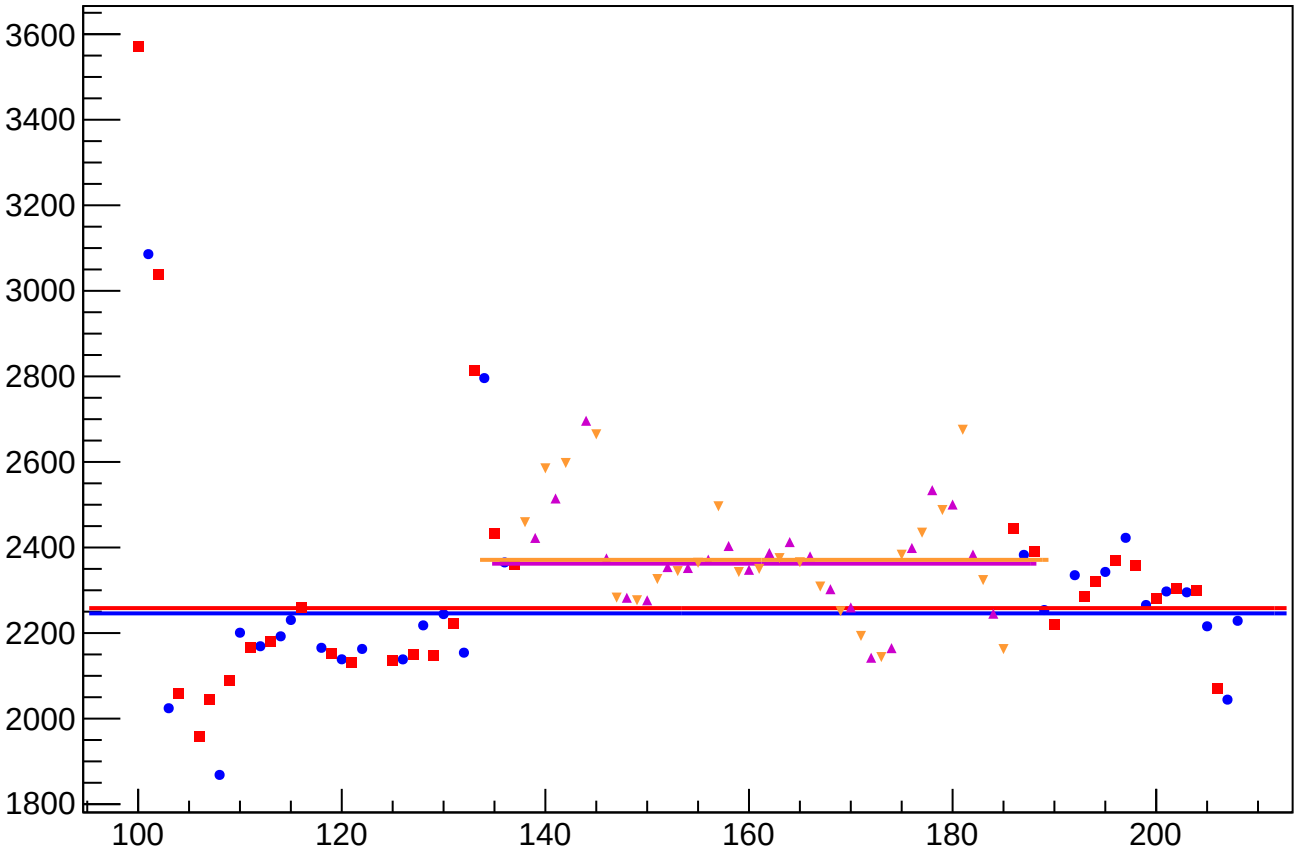
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4785.470+/-402.014 χ^2/NDF: 37.1/55

In: 5189.785+/-395.709 χ^2/NDF:31.4/49

Out: 3367.207+/-396.438 χ^2/NDF:58.9/52

All: 4280.171+/-280.066 χ^2/NDF: 100.9/102



Right In: 2246.014+/-0.401 χ^2/NDF: 221329.8/26

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.0/28

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

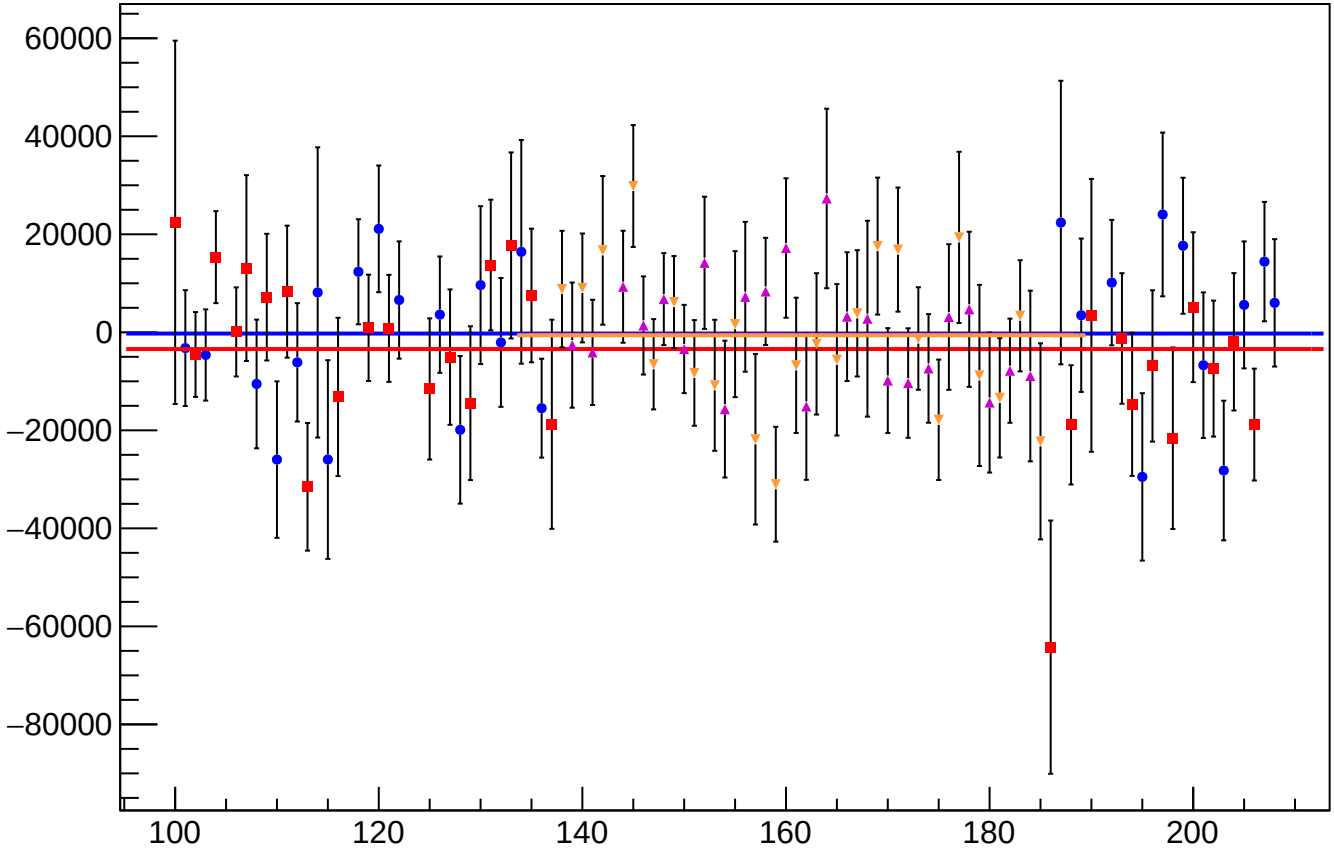
Right: 2252.132+/-0.284 χ^2/NDF: 432711.3/55

In: 2305.605+/-0.280 χ^2/NDF:356316.6/49

Out: 2316.576+/-0.280 χ^2/NDF:367671.1/52

All: 2311.081+/-0.198 χ^2/NDF: 724755.2/102

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -252.070+/-2625.328 χ^2/NDF: 28.8/26

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -3416.229+/-2517.644 χ^2/NDF: 28.1/28

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

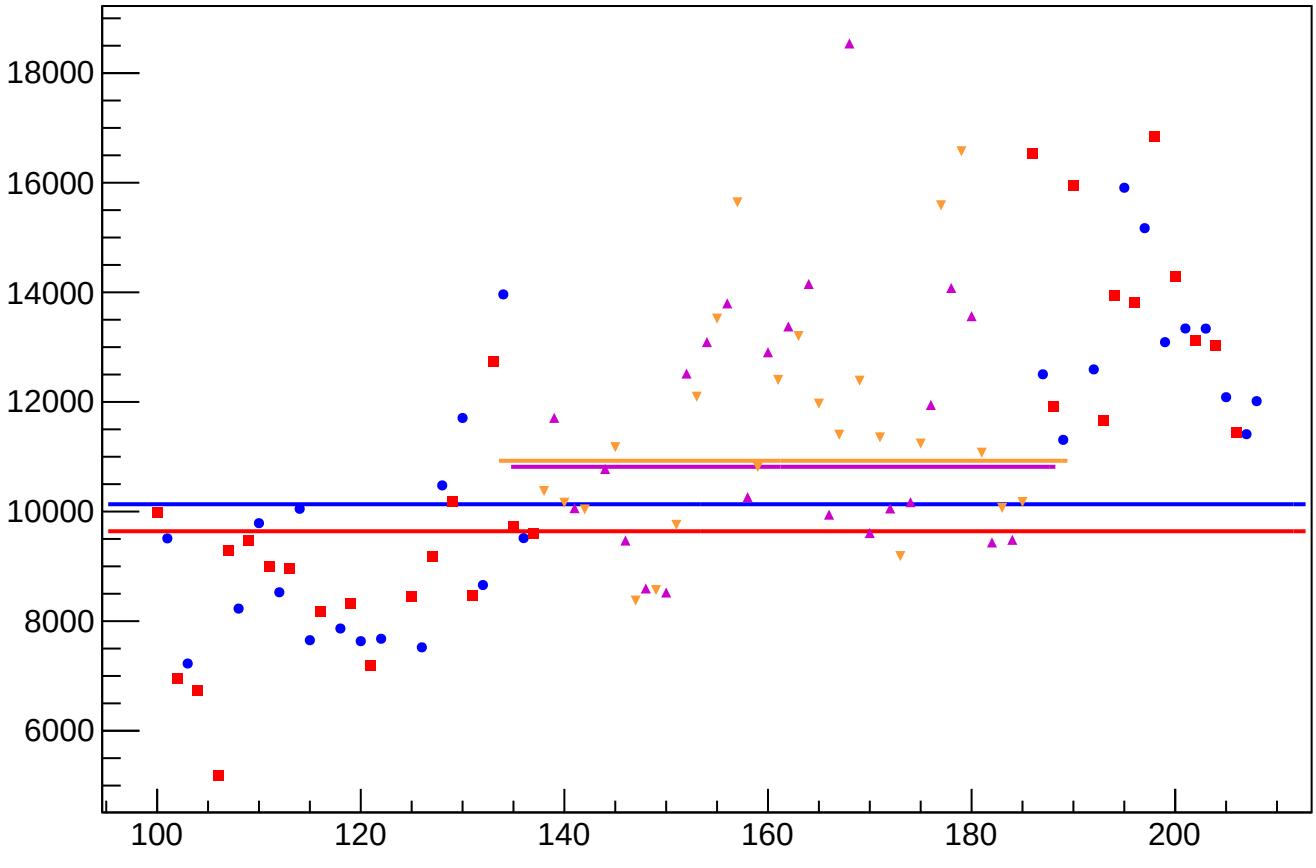
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -1900.372+/-1817.120 χ^2/NDF: 57.7/55

In: -373.258+/-1839.140 χ^2/NDF:42.4/49

Out: -2051.982+/-1805.254 χ^2/NDF:57.6/52

All: -1228.228+/-1288.321 χ^2/NDF: 100.4/10



Right In: 10133.447+/-1.856 χ^2/NDF: 1667058.8/26

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9640.638+/-1.780 χ^2/NDF: 2569760.5/28

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

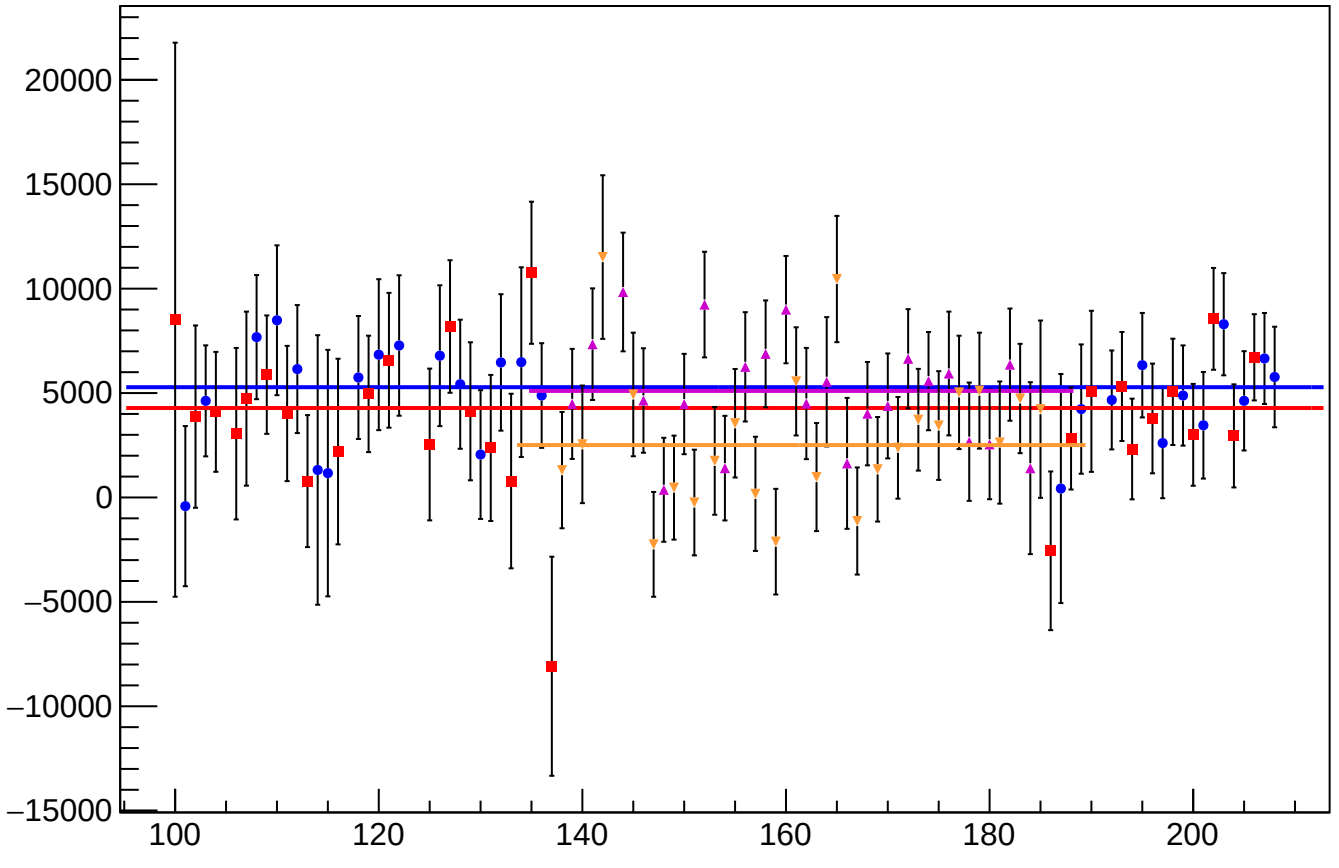
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9876.728+/-1.285 χ^2/NDF: 4273530.4/55

In: 10481.198+/-1.300 χ^2/NDF:2932788.2/49

Out: 10265.552+/-1.277 χ^2/NDF:3880708.0/52

All: 10371.370+/-0.911 χ^2/NDF: 6827500.3/1



Right In: 5281.138+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4284.136+/-570.154 χ^2/NDF: 24.1/28

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

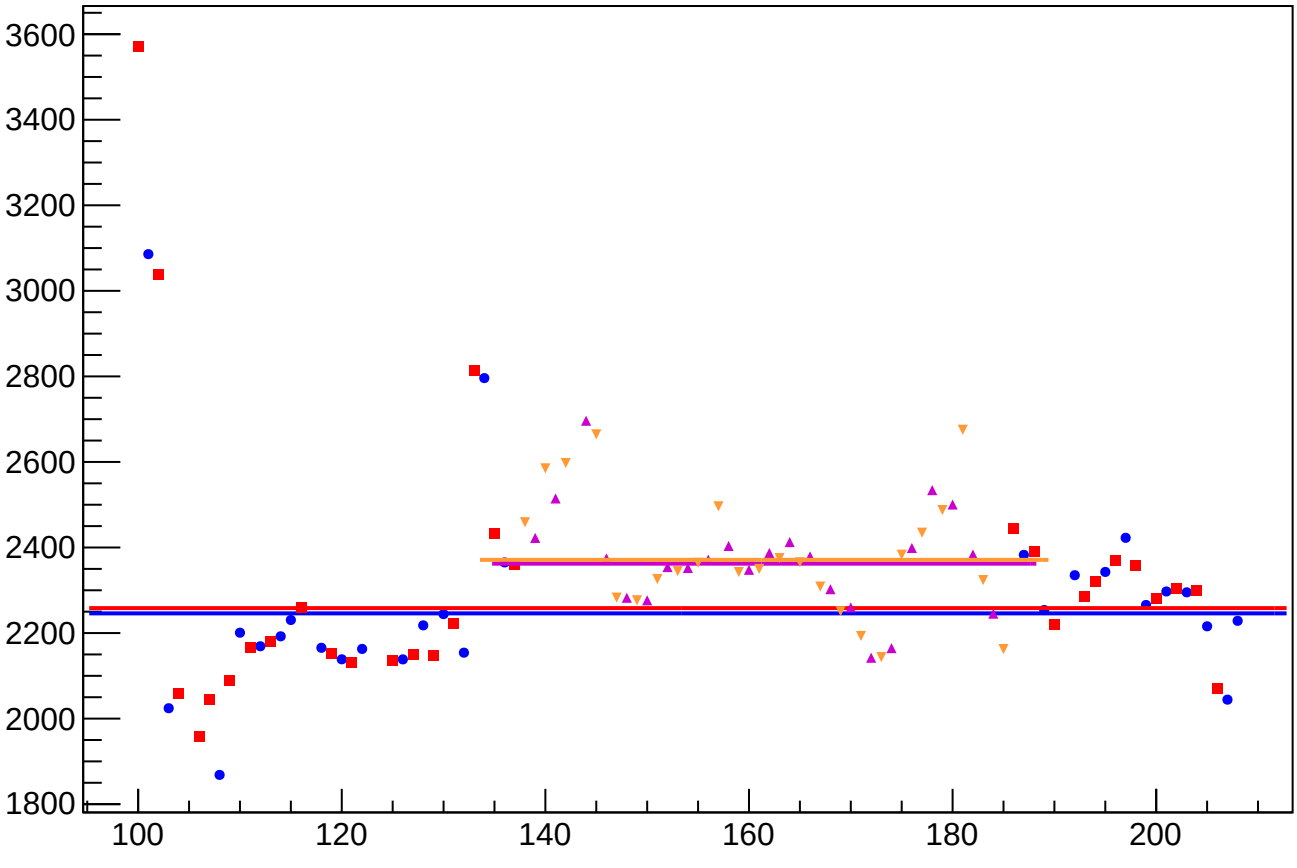
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4785.466+/-402.014 χ^2/NDF: 37.1/55

In: 5189.785+/-395.710 χ^2/NDF:31.4/49

Out: 3367.199+/-396.438 χ^2/NDF:58.9/52

All: 4280.167+/-280.066 χ^2/NDF: 100.9/102



Right In: 2246.013+/-0.401 χ^2/NDF: 221329.9/26

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.6/28

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

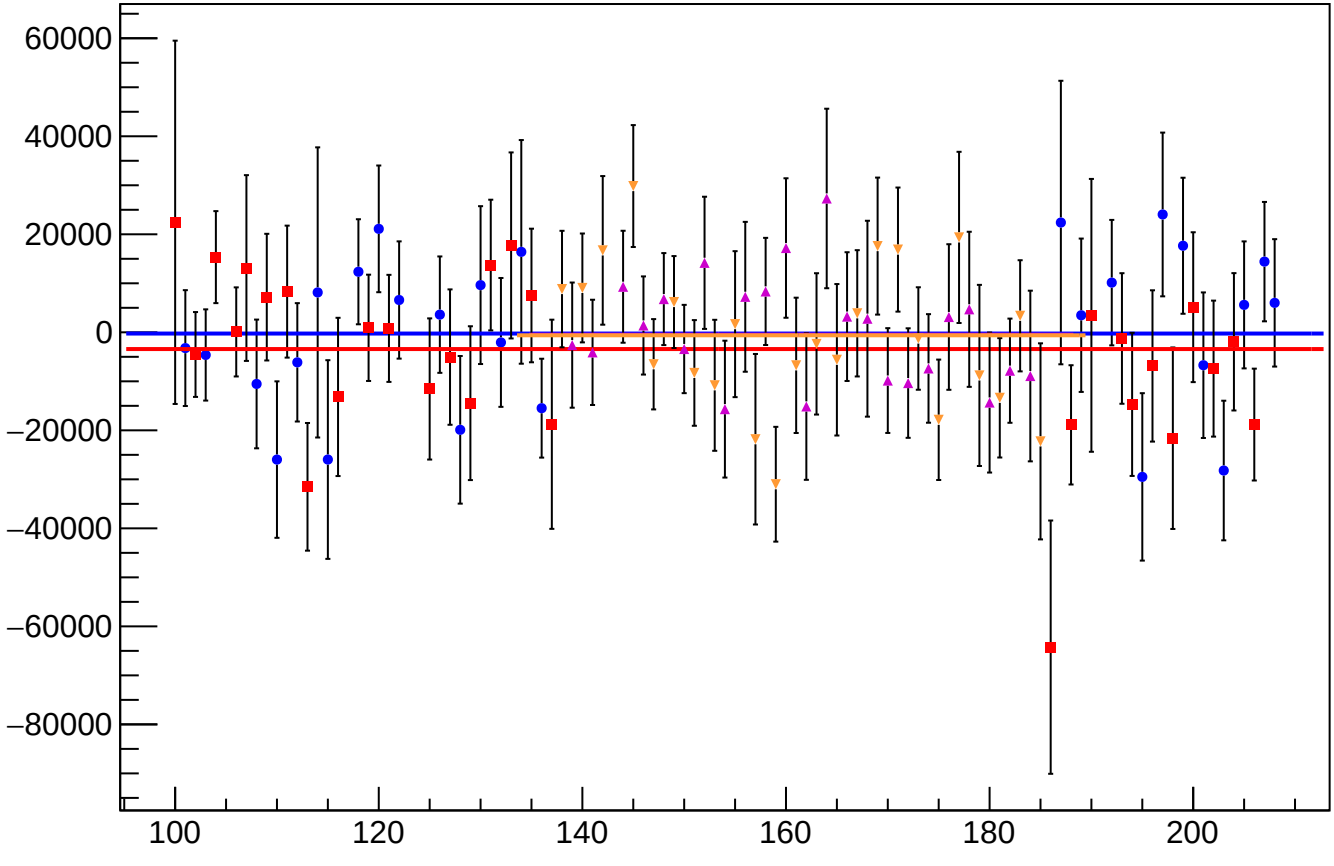
Right: 2252.132+/-0.284 χ^2/NDF: 432712.0/55

In: 2305.606+/-0.280 χ^2/NDF:356323.9/49

Out: 2316.578+/-0.280 χ^2/NDF:367678.3/52

All: 2311.083+/-0.198 χ^2/NDF: 724769.7/102

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -252.063+/-2625.326 χ^2/NDF: 28.8/26

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -3416.213+/-2517.641 χ^2/NDF: 28.1/28

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

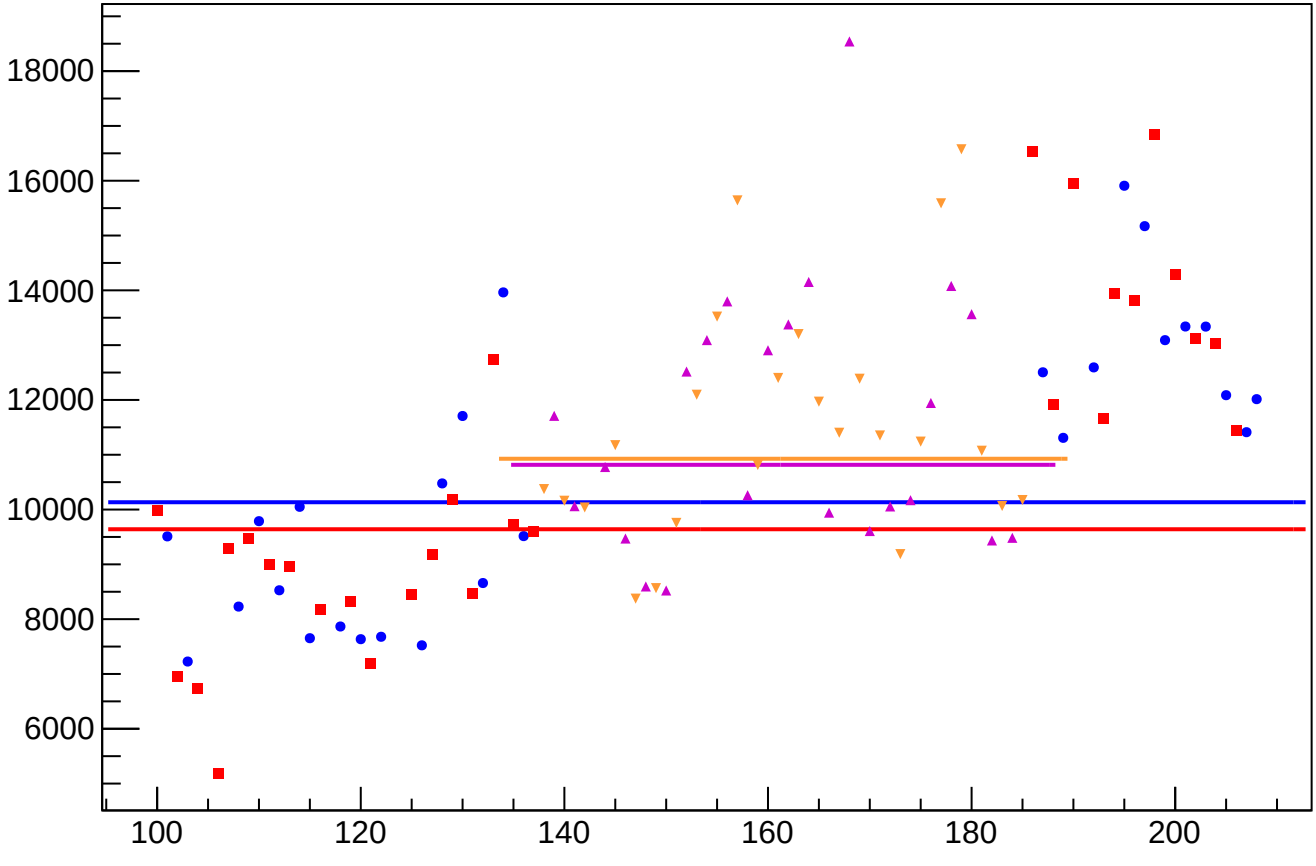
Right: -1900.361+/-1817.118 χ^2/NDF: 57.7/55

In: -373.256+/-1839.141 χ^2/NDF:42.4/49

Out: -2051.982+/-1805.254 χ^2/NDF:57.6/52

All: -1228.227+/-1288.321 χ^2/NDF: 100.4/10

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 10133.434+/-1.856 χ^2/NDF: 1667084.9/26

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9640.624+/-1.780 χ^2/NDF: 2569781.7/28

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

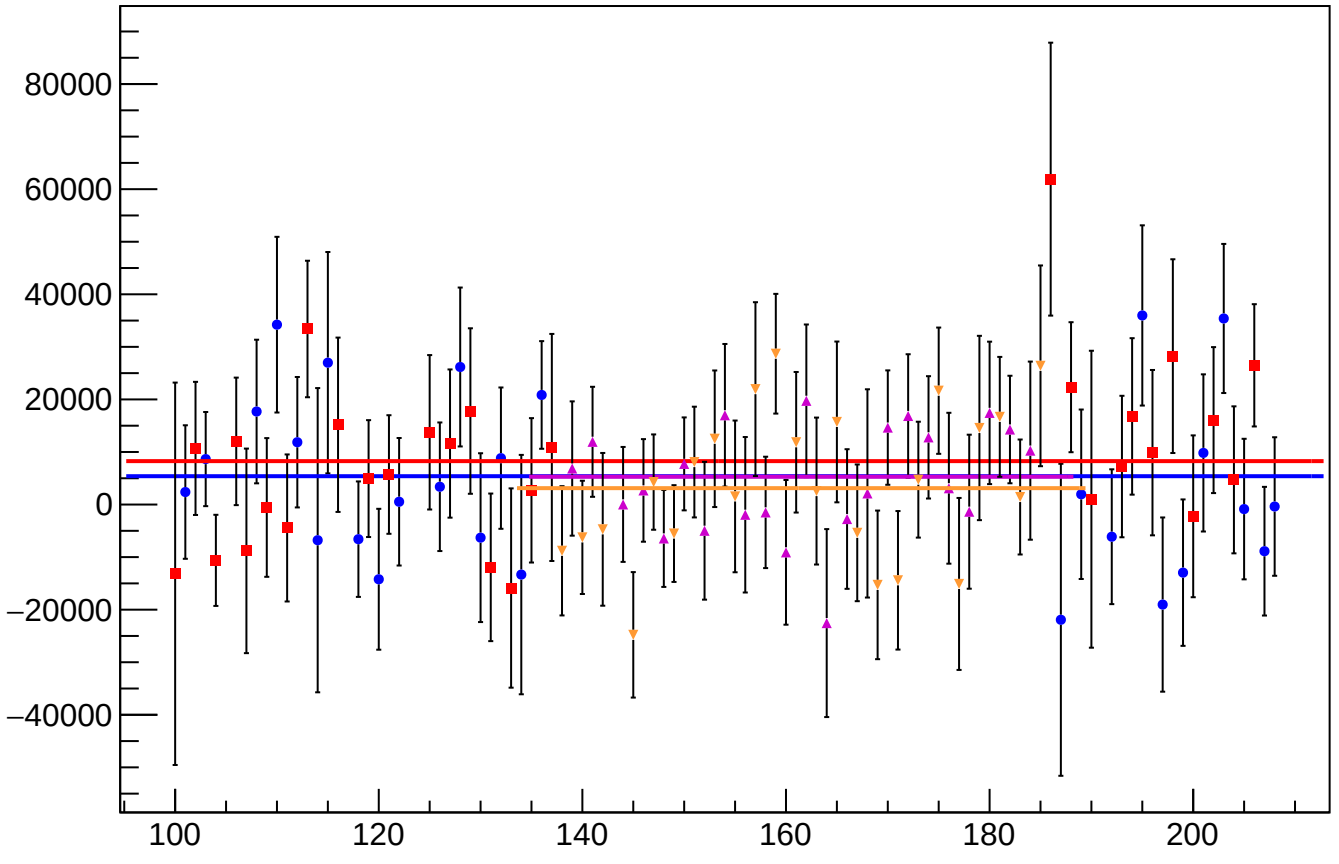
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9876.715+/-1.285 χ^2/NDF: 4273577.9/55

In: 10481.200+/-1.300 χ^2/NDF:2932823.8/49

Out: 10265.552+/-1.277 χ^2/NDF:3880744.1/52

All: 10371.371+/-0.911 χ^2/NDF: 6827572.2/1



Right In: 5393.761+/-2664.415 χ^2/NDF: 29.6/26

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 8261.675+/-2641.529 χ^2/NDF: 26.2/28

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

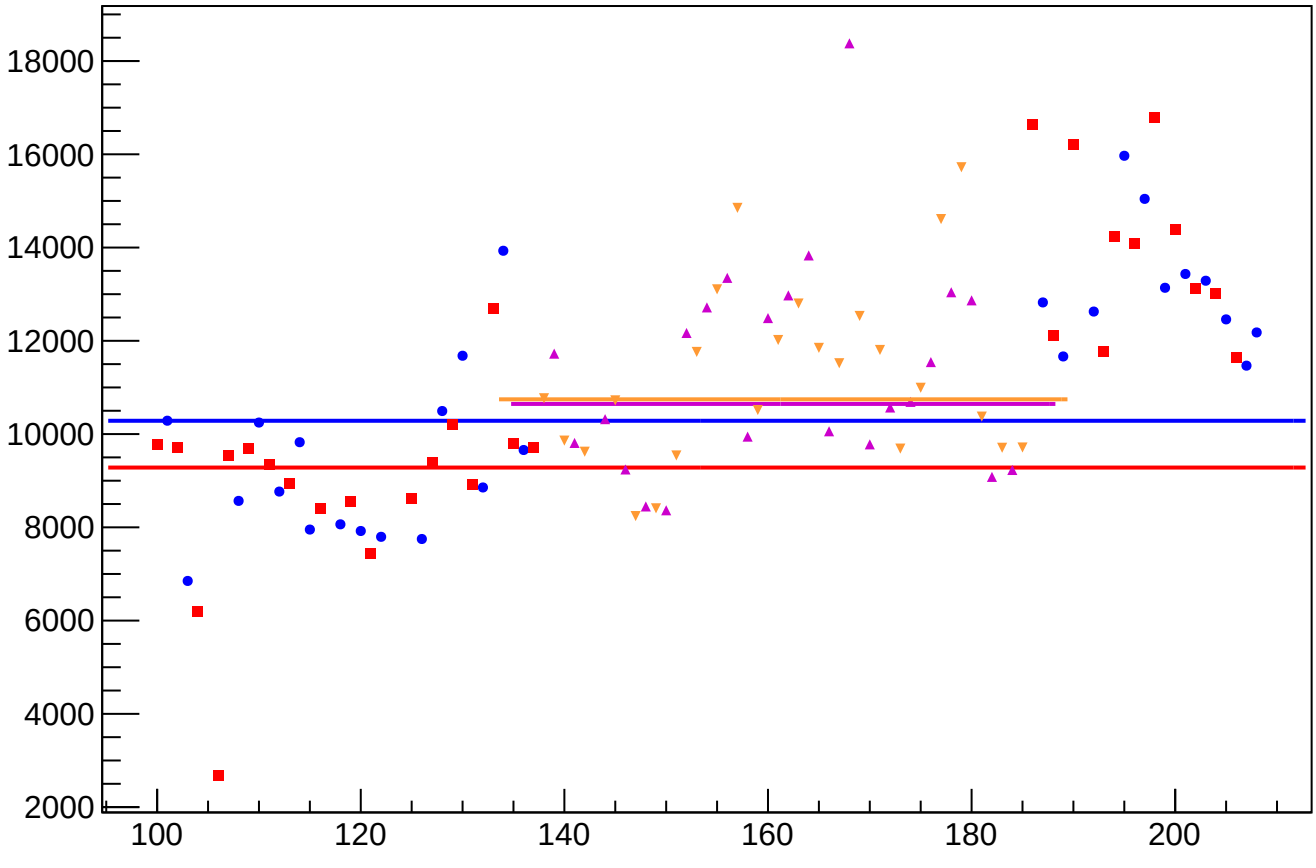
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 6840.088+/-1875.882 χ^2/NDF: 56.3/55

In: 5339.636+/-1835.800 χ^2/NDF:42.9/49

Out: 5592.577+/-1831.961 χ^2/NDF:55.6/52

All: 5466.371+/-1296.747 χ^2/NDF: 98.5/102



Right In: 10285.218+/-1.884 χ^2/NDF: 1647418.0/26

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9282.148+/-1.776 χ^2/NDF: 4126673.2/28

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

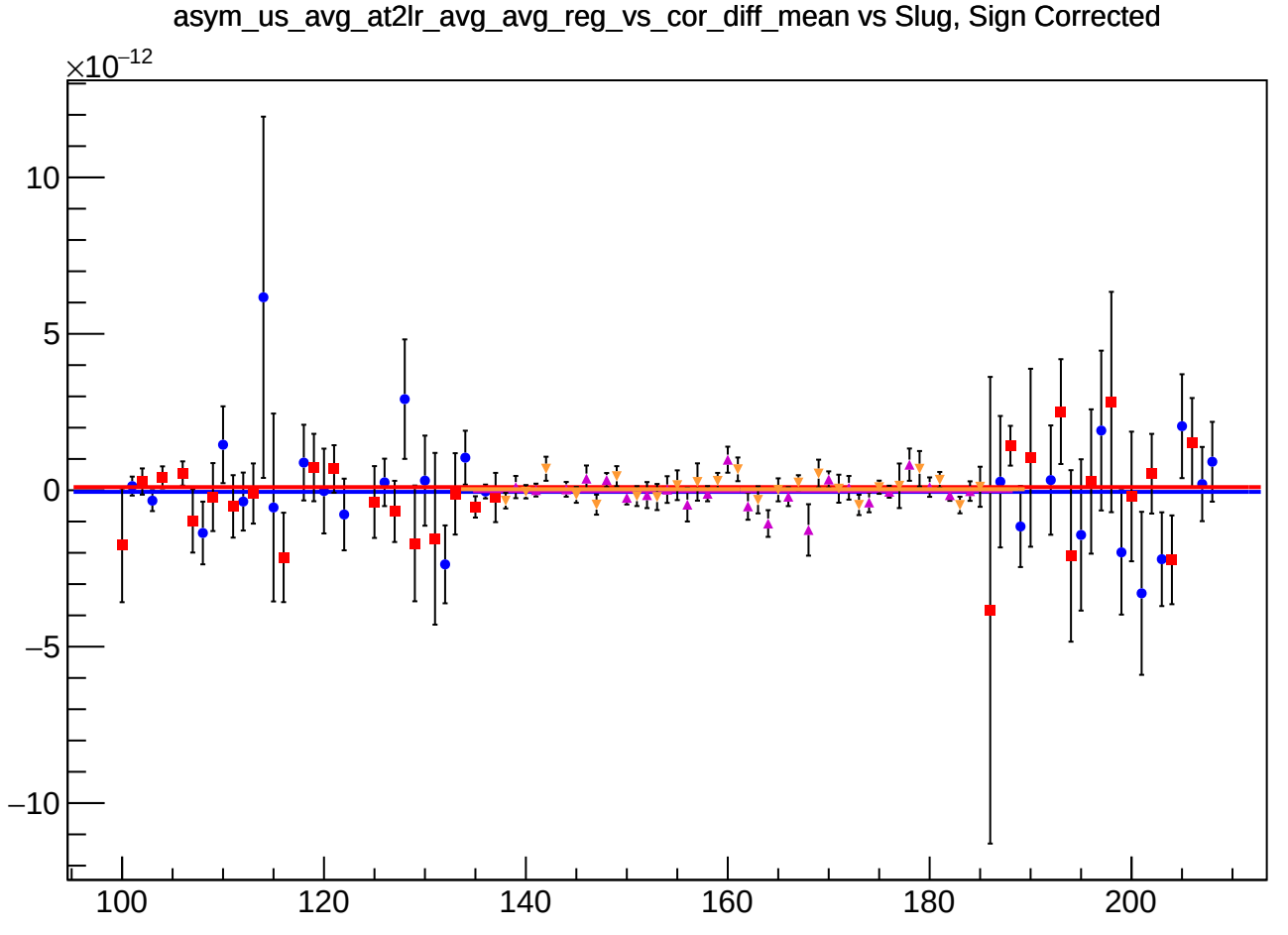
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

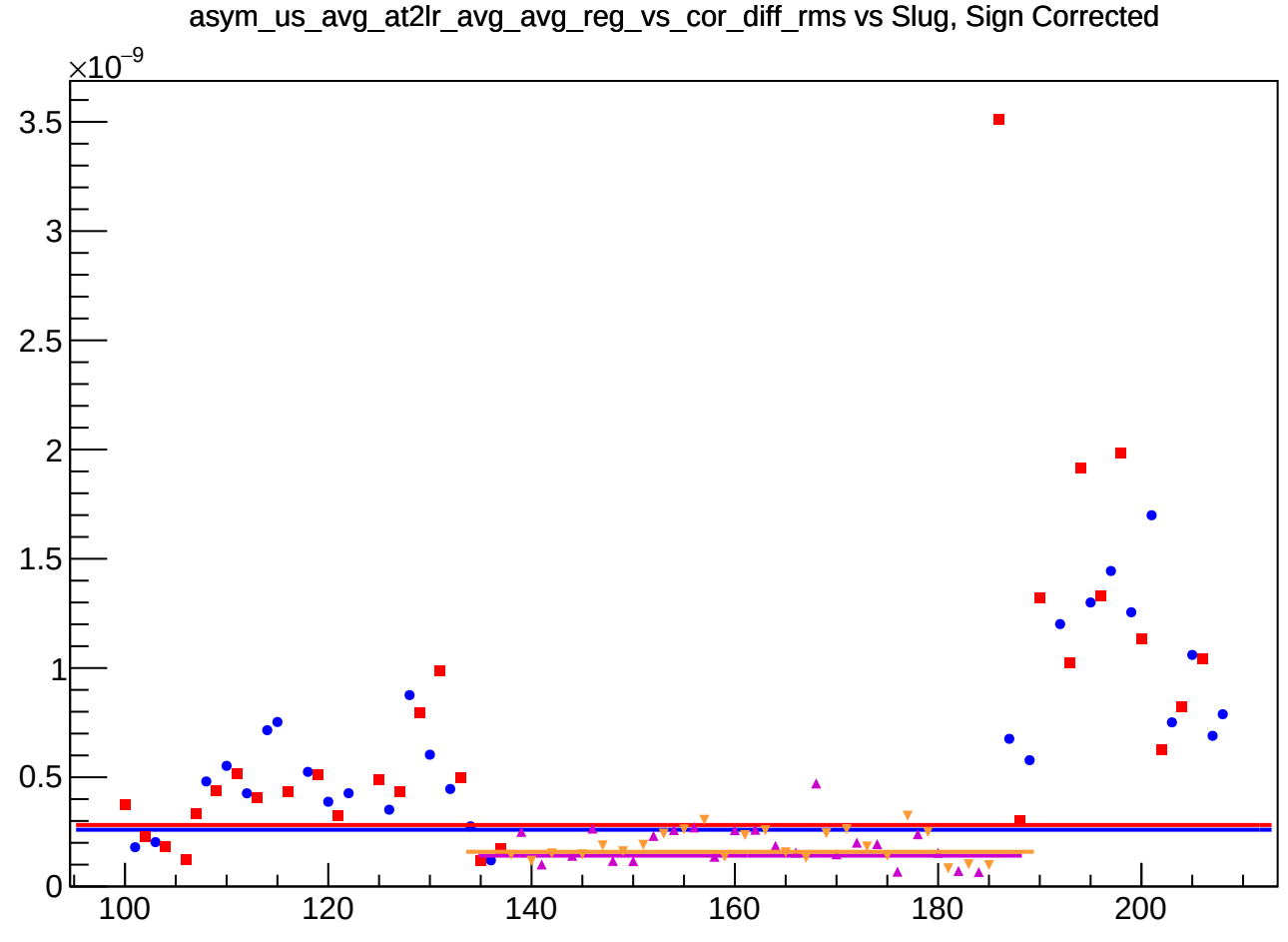
Right: 9753.998+/-1.292 χ^2/NDF: 5924211.3/55

In: 10474.975+/-1.298 χ^2/NDF:2780794.9/49

Out: 10004.545+/-1.263 χ^2/NDF:5426548.6/52

All: 10233.390+/-0.905 χ^2/NDF: 8274788.1/1


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.8/26
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.9/28
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 54.6/46
Right: 0.000+/-0.000 χ²/NDF: 49.3/55
In: -0.000+/-0.000 χ²/NDF:50.7/49
Out: 0.000+/-0.000 χ²/NDF:52.3/52
All: 0.000+/-0.000 χ²/NDF: 103.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 5871353.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5746148.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

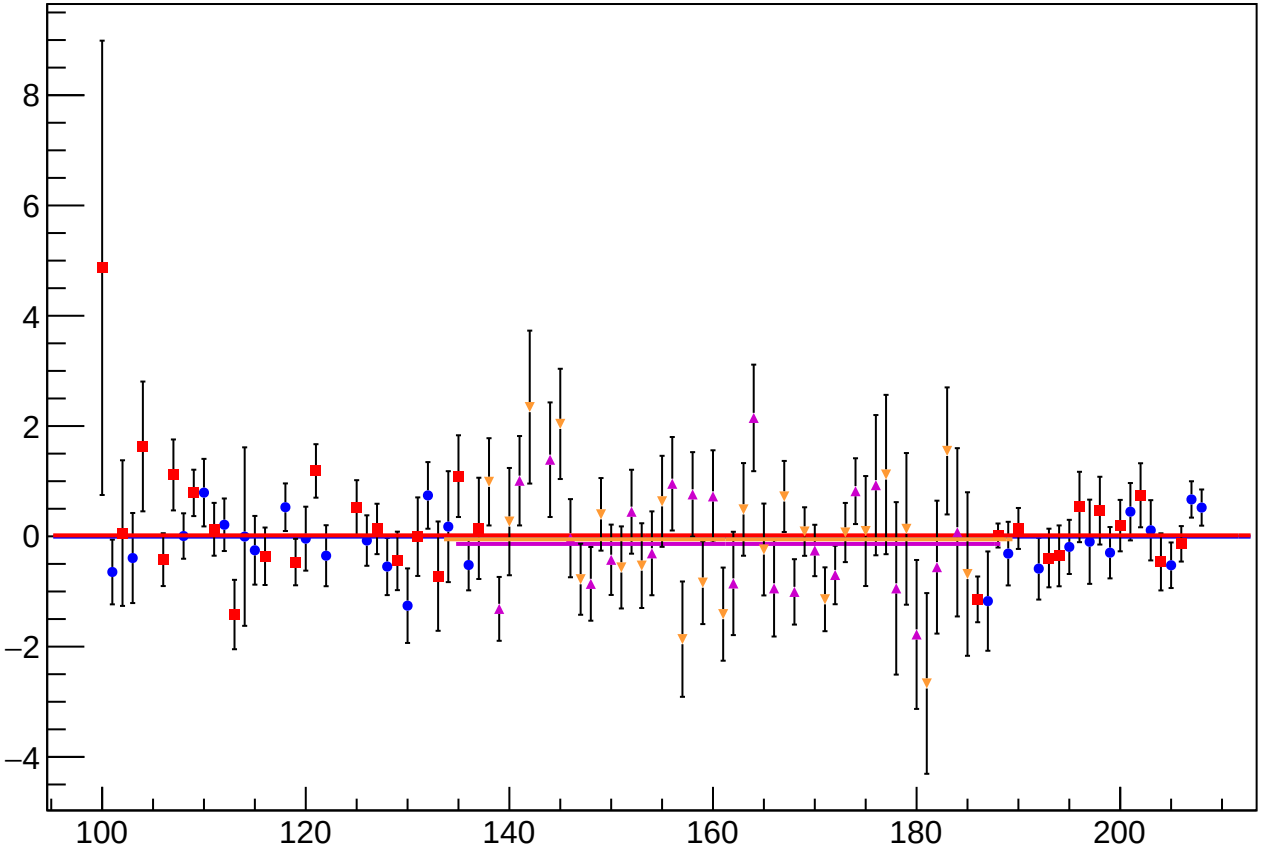
Right: 0.000+/-0.000 χ^2/NDF: 11641100.5/55

In: 0.000+/-0.000 χ^2/NDF:9529649.7/49

Out: 0.000+/-0.000 χ^2/NDF:8202064.9/52

All: 0.000+/-0.000 χ^2/NDF: 17831222.3/102

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

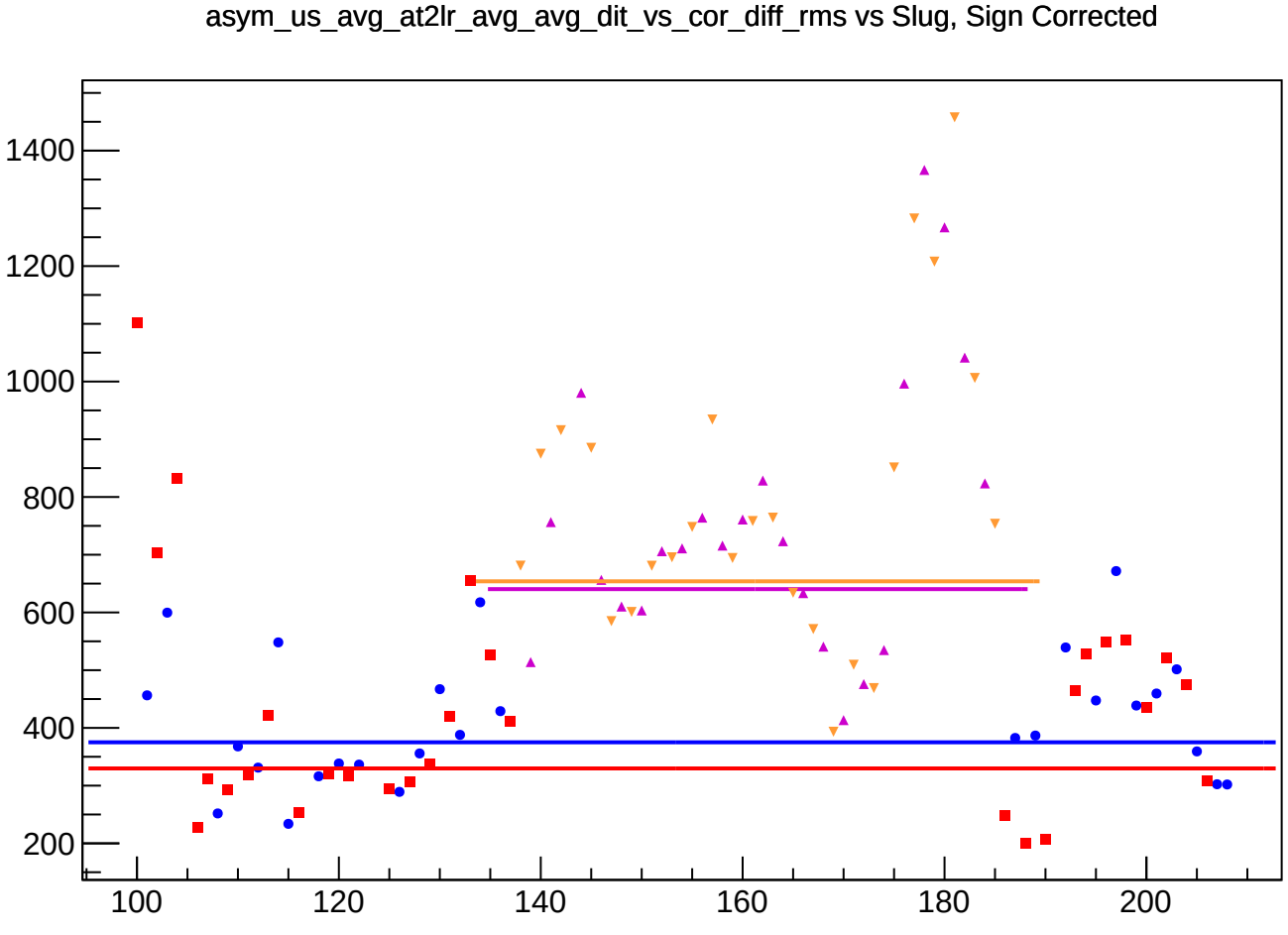
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.007+/-0.067 χ^2/NDF: 66.3/55

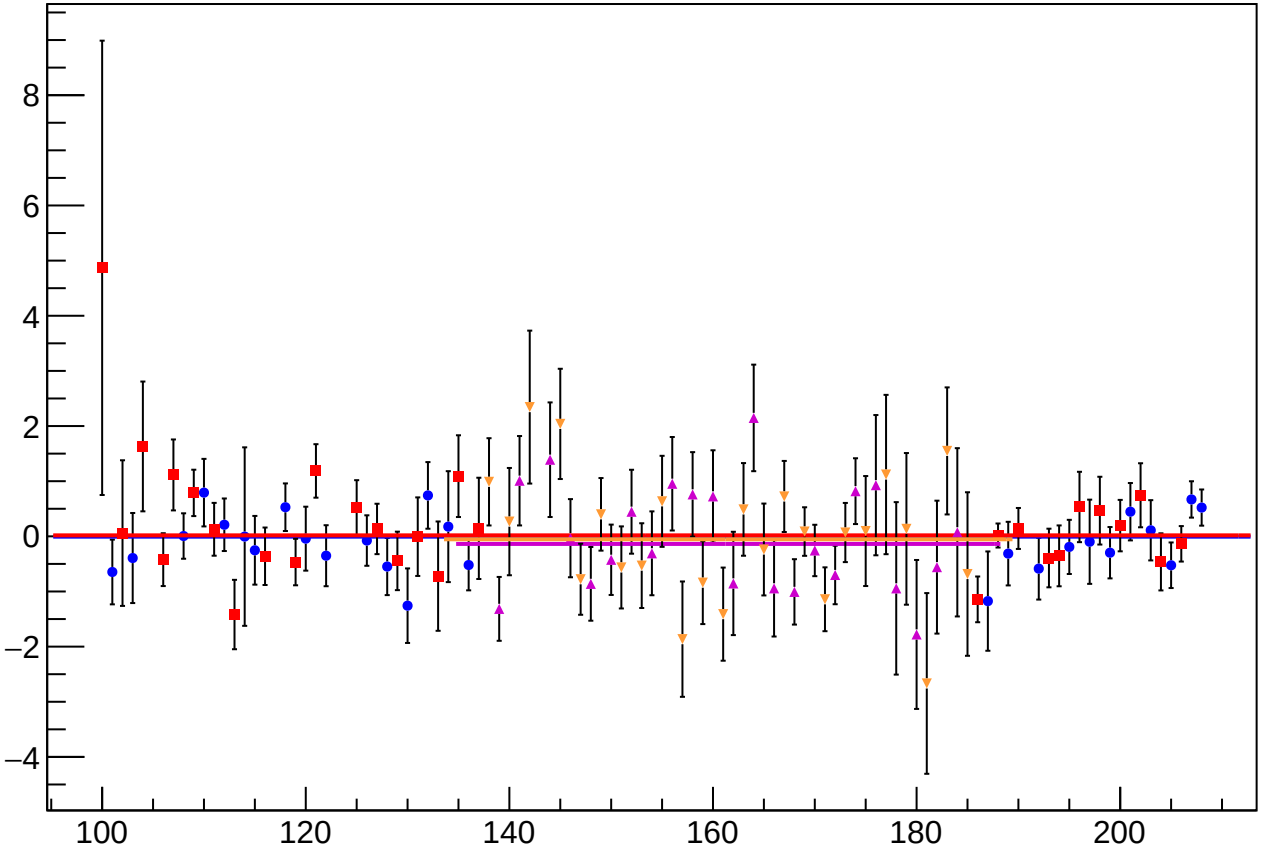
In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.020+/-0.058 χ^2/NDF: 127.1/102


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 375.069+/-0.071 χ²/NDF: 1735969.2/26
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 329.801+/-0.065 χ²/NDF: 3590437.9/28
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 350.466+/-0.048 χ²/NDF: 5550022.6/55
In: 450.837+/-0.060 χ²/NDF:8420088.0/49
Out: 408.653+/-0.056 χ²/NDF:12824208.5/52
All: 428.514+/-0.041 χ²/NDF: 21508928.7/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

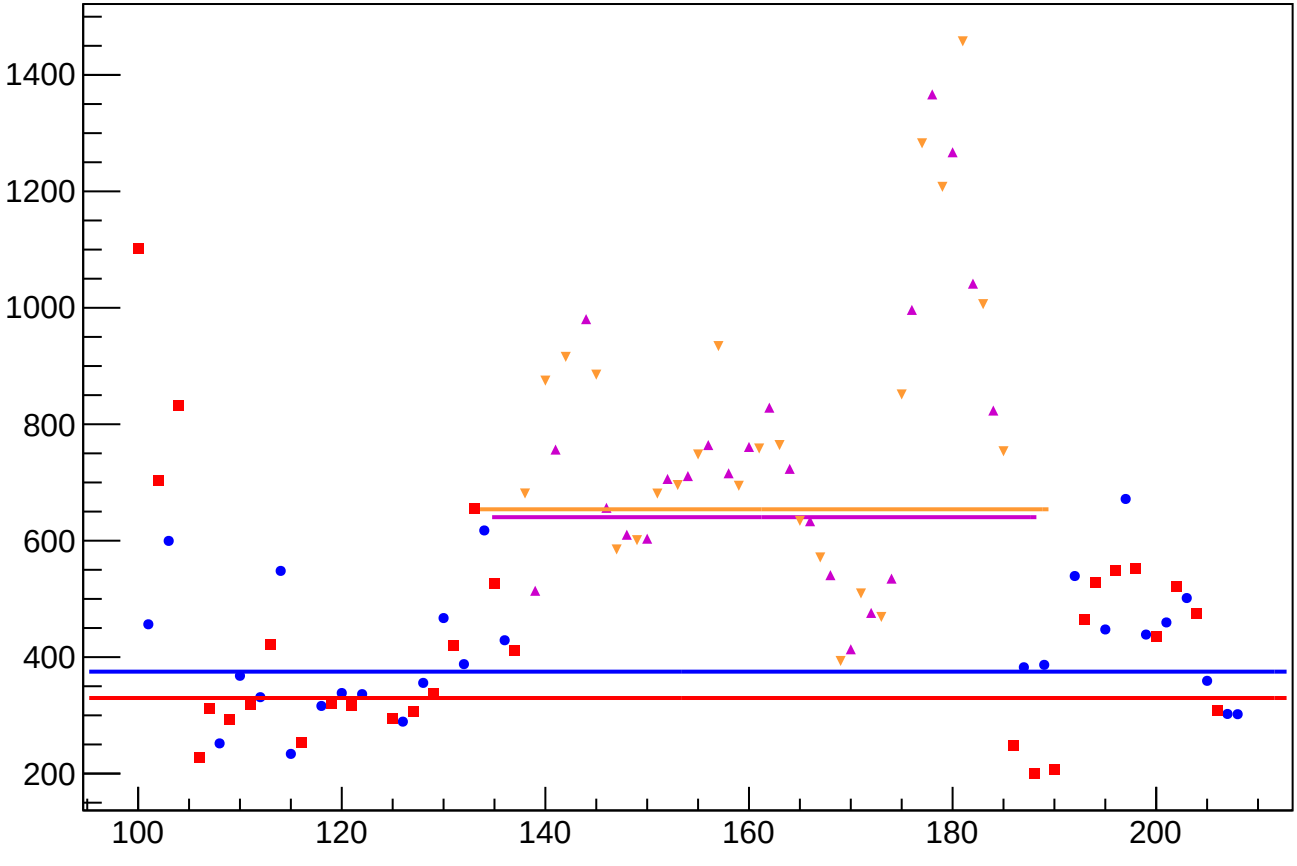
Right: 0.007+/-0.067 χ^2/NDF: 66.3/55

In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.020+/-0.058 χ^2/NDF: 127.1/102

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 375.069+/-0.071 χ^2/NDF: 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

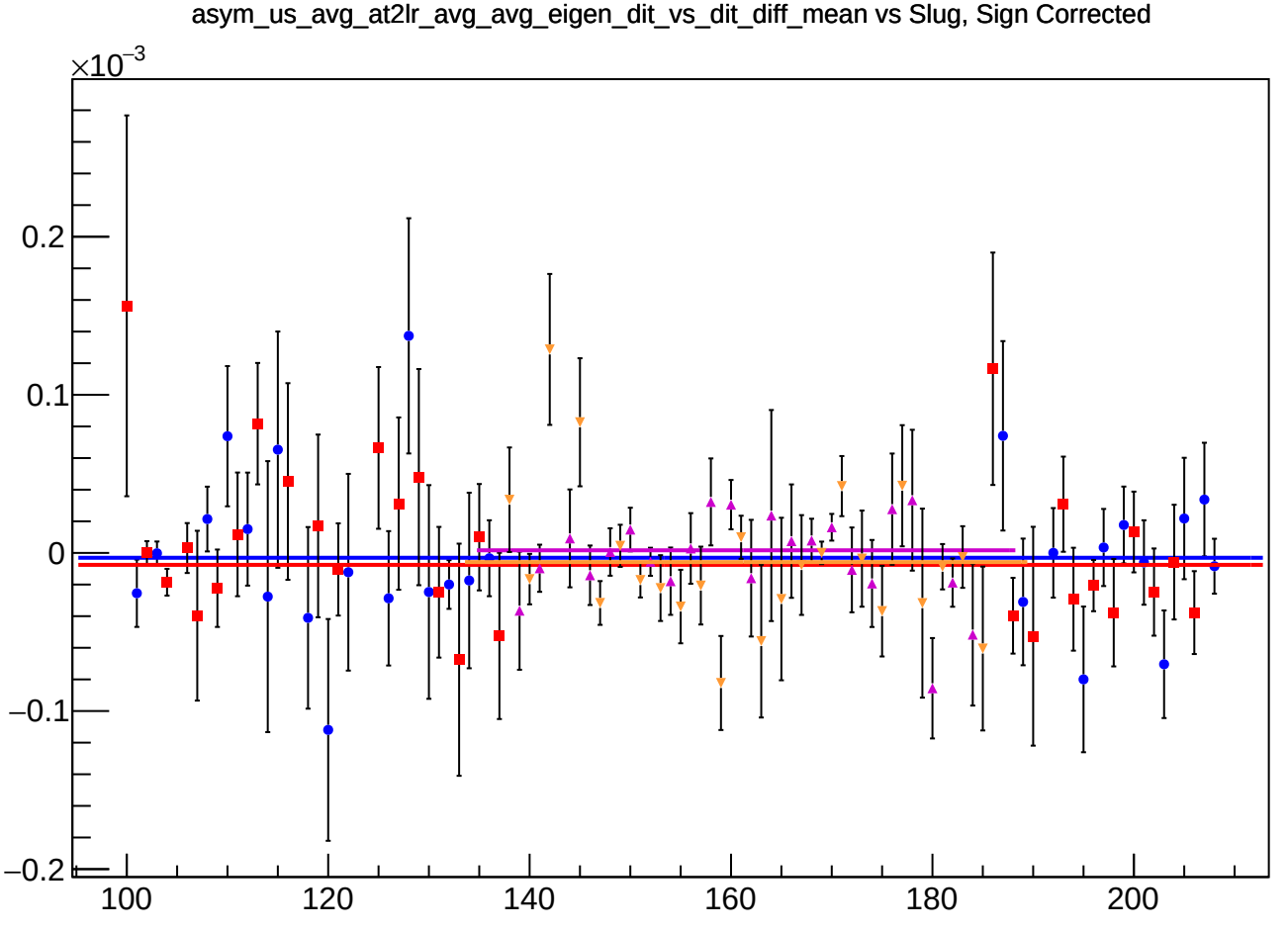
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 350.466+/-0.048 χ^2/NDF: 5550022.6/55

In: 450.837+/-0.060 χ^2/NDF:8420088.0/49

Out: 408.653+/-0.056 χ^2/NDF:12824208.5/52

All: 428.514+/-0.041 χ^2/NDF: 21508928.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/28

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

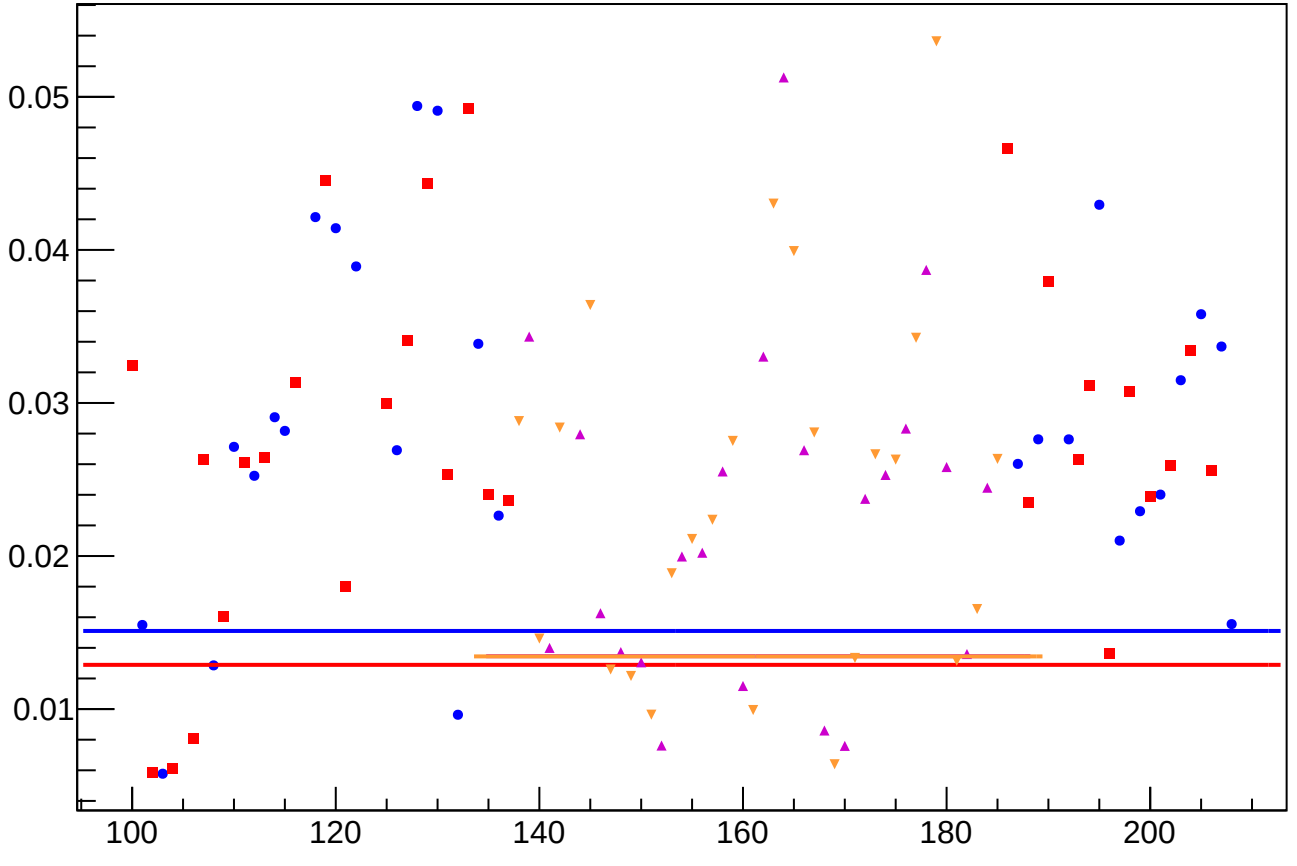
Right: -0.000+/-0.000 χ^2/NDF: 55.2/55

In: -0.000+/-0.000 χ^2/NDF:52.5/49

Out: -0.000+/-0.000 χ^2/NDF:71.1/52

All: -0.000+/-0.000 χ^2/NDF: 126.2/102

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 9891479.0/26

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.013+/-0.000 χ^2/NDF: 11357485.7/28

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

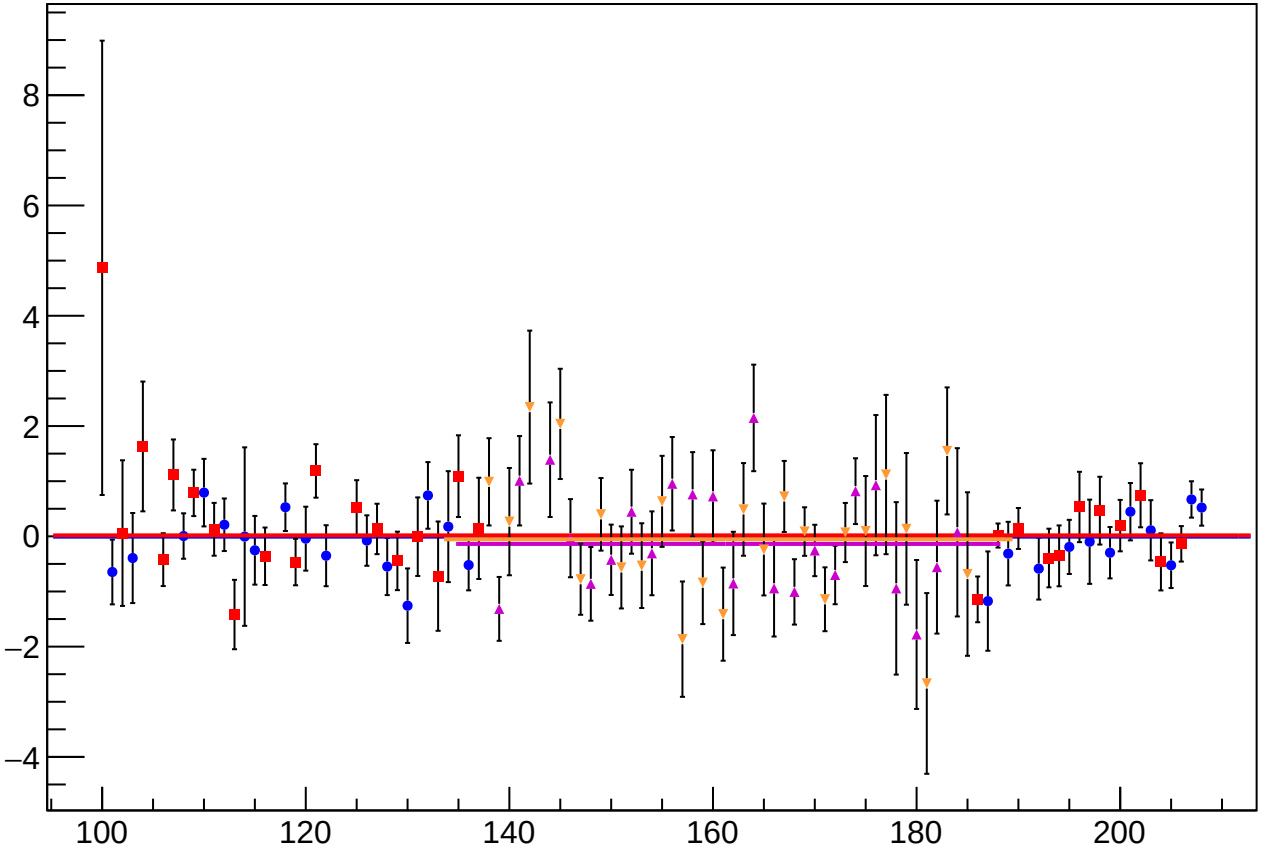
Right: 0.014+/-0.000 χ^2/NDF: 21499986.6/55

In: 0.014+/-0.000 χ^2/NDF:17590923.8/49

Out: 0.013+/-0.000 χ^2/NDF:20233477.7/52

All: 0.014+/-0.000 χ^2/NDF: 37924380.4/102

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

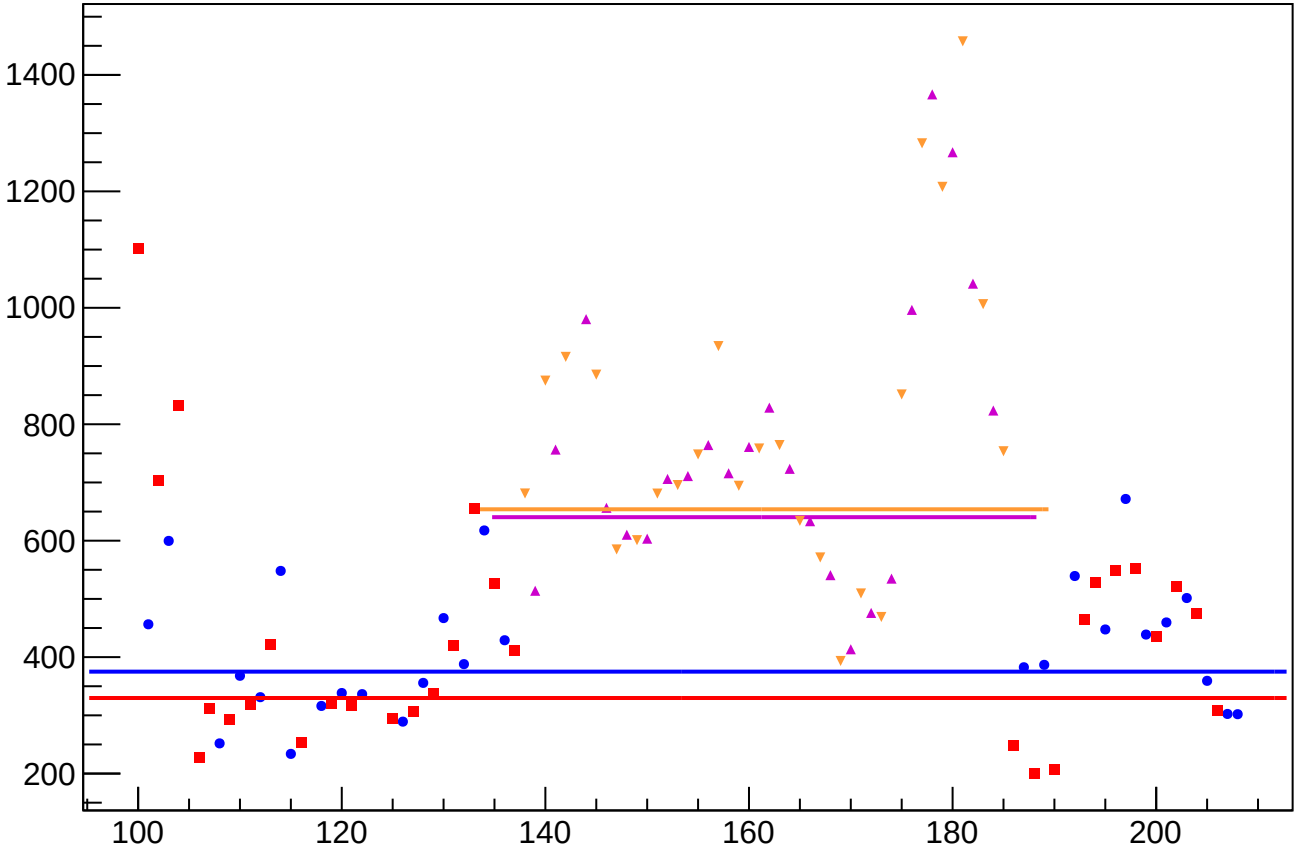
Right: 0.007+/-0.067 χ^2/NDF: 66.3/55

In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.020+/-0.058 χ^2/NDF: 127.1/102

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

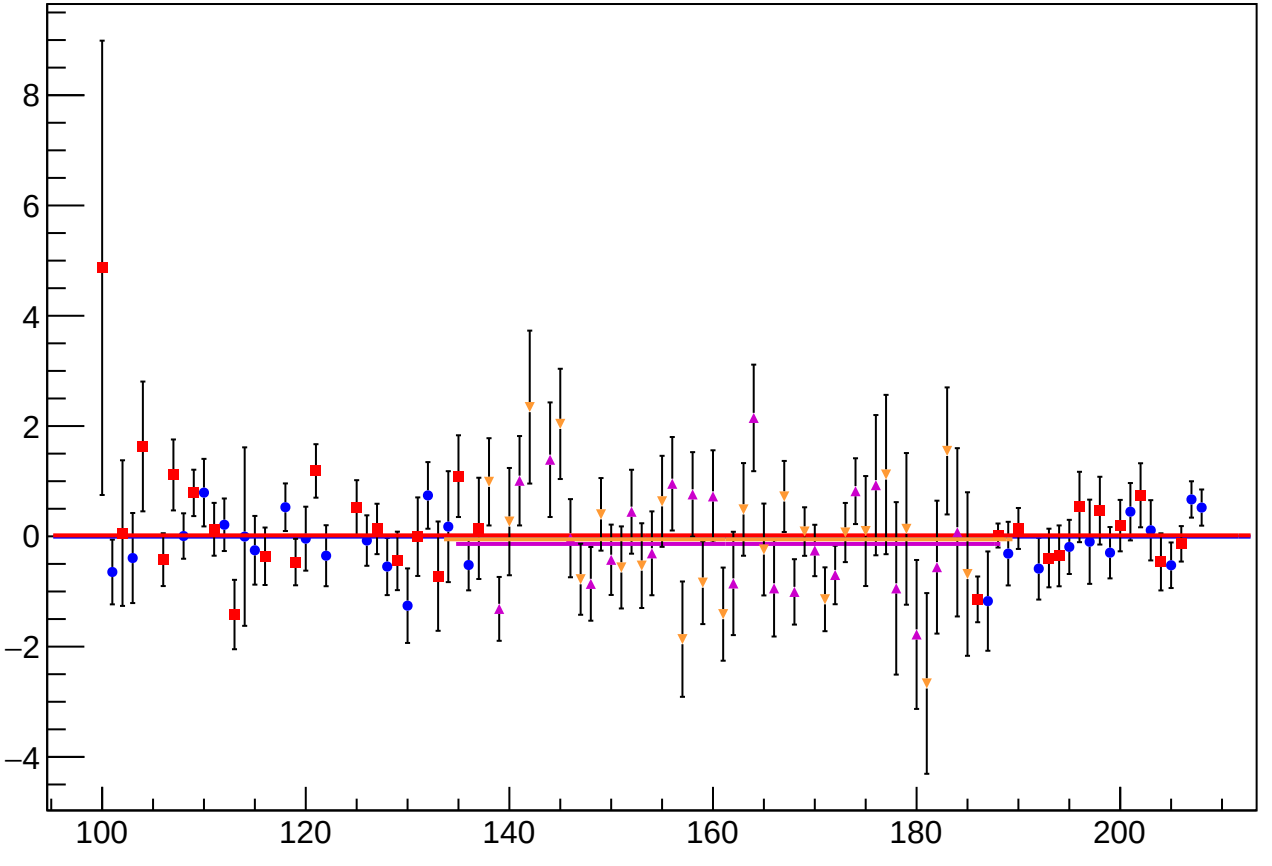
Right: 350.463+/-0.048 χ^2/NDF: 5550274.7/55

In: 450.837+/-0.060 χ^2/NDF:8420253.9/49

Out: 408.648+/-0.056 χ^2/NDF:12824853.2/52

All: 428.511+/-0.041 χ^2/NDF: 21509813.3/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

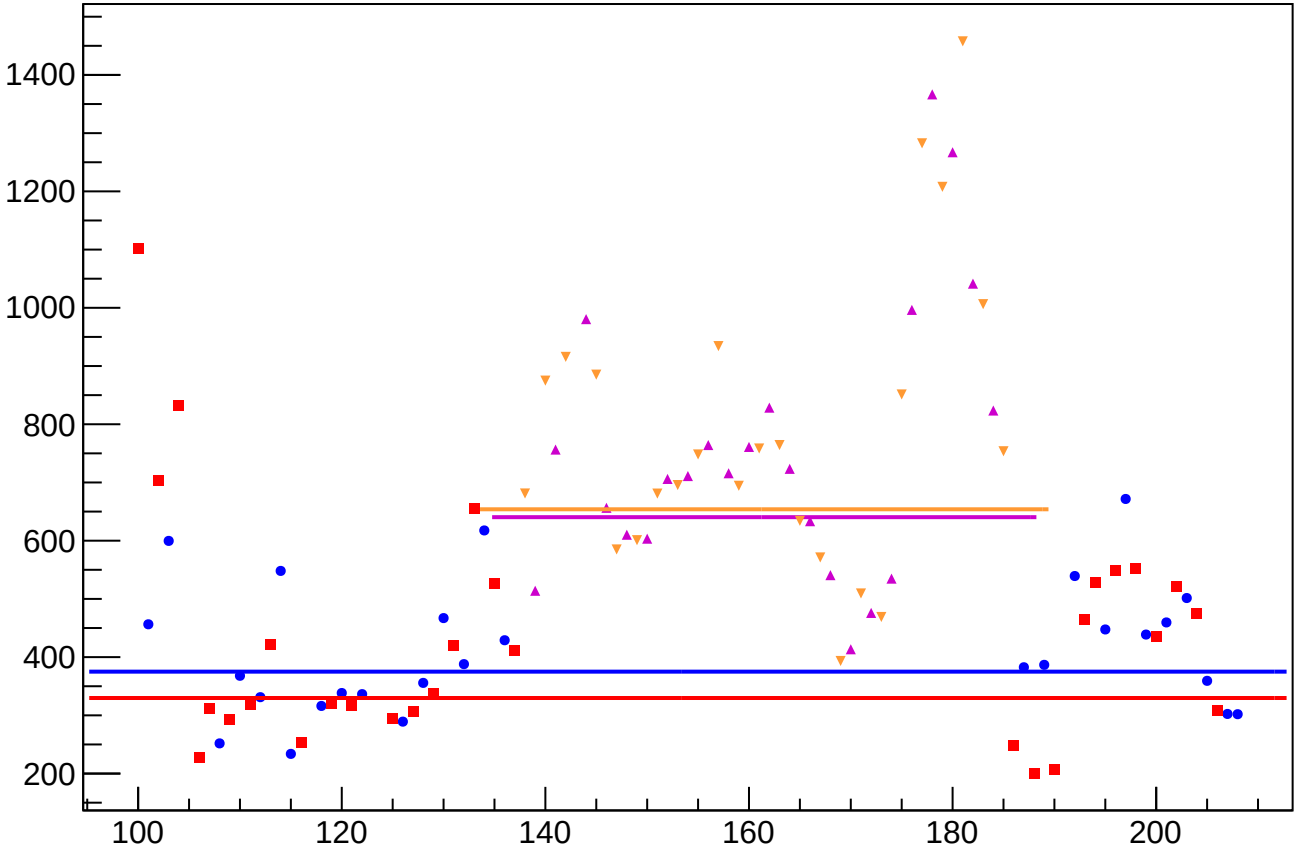
Right: 0.007+/-0.067 χ^2/NDF: 66.3/55

In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.020+/-0.058 χ^2/NDF: 127.1/102

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

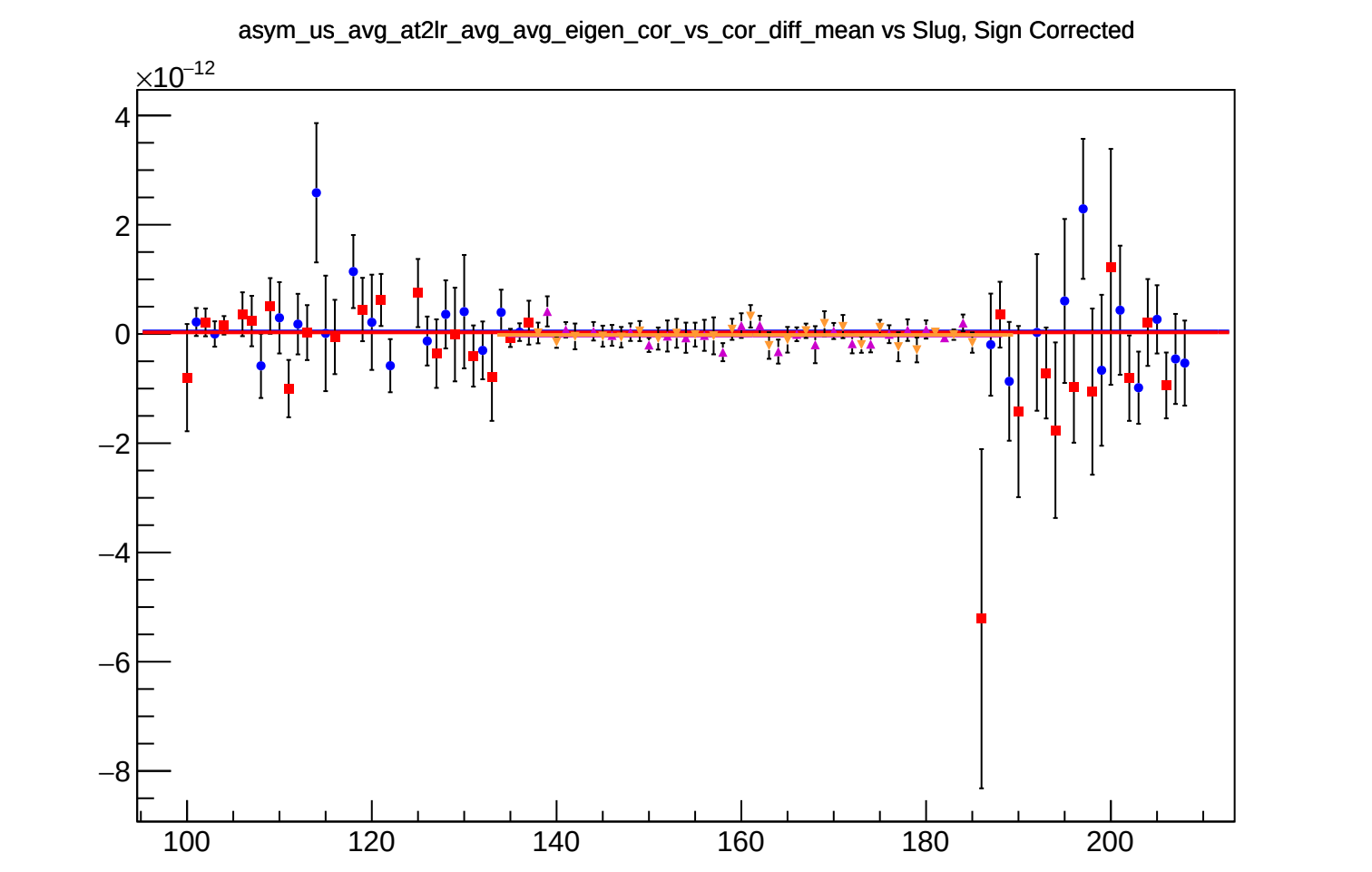
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 350.463+/-0.048 χ^2/NDF: 5550274.7/55

In: 450.837+/-0.060 χ^2/NDF:8420253.9/49

Out: 408.648+/-0.056 χ^2/NDF:12824853.2/52

All: 428.511+/-0.041 χ^2/NDF: 21509813.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

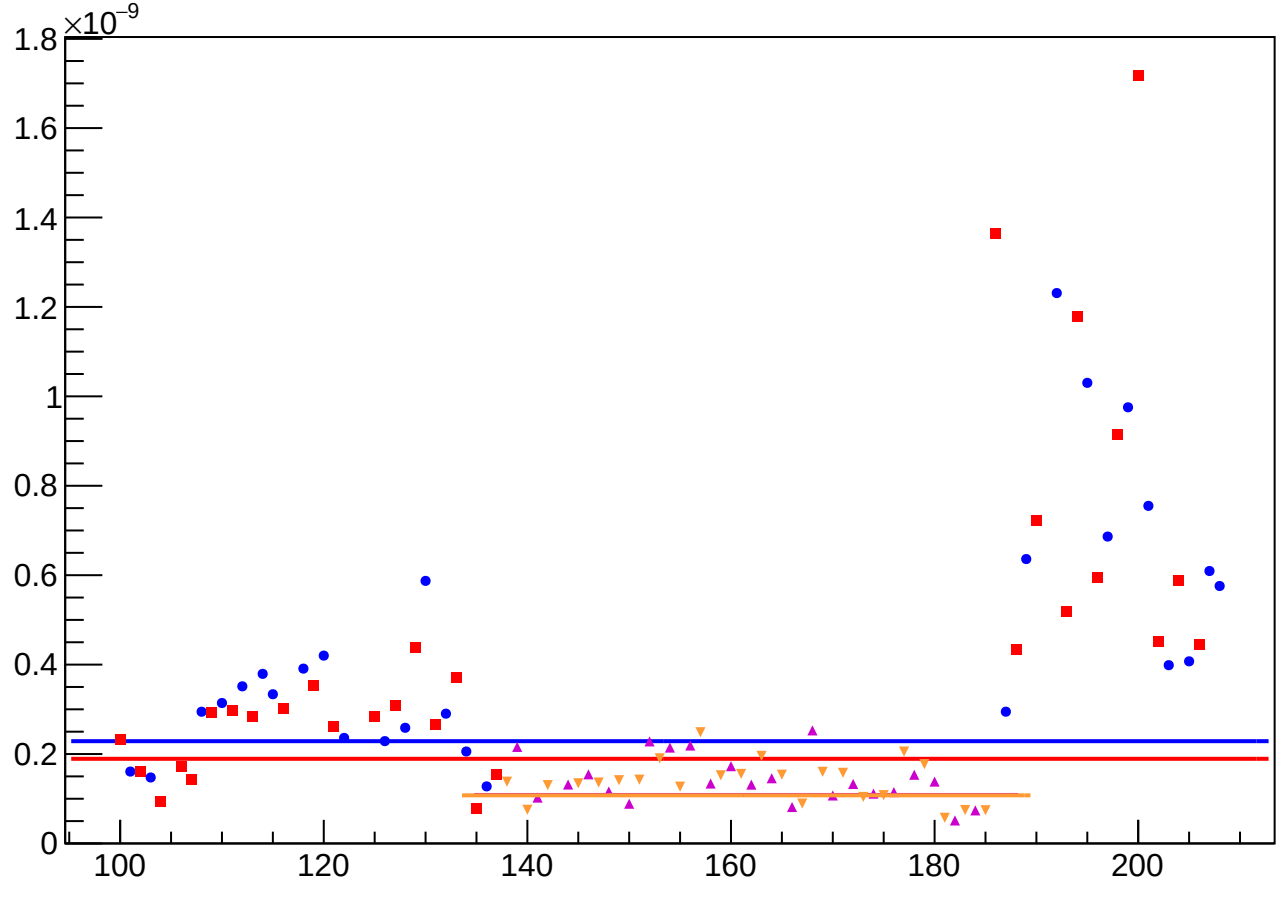
Right: 0.000+/-0.000 χ^2/NDF: 44.8/55

In: -0.000+/-0.000 χ^2/NDF:38.2/49

Out: -0.000+/-0.000 χ^2/NDF:38.4/52

All: -0.000+/-0.000 χ^2/NDF: 76.6/102

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6056274.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7295369.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

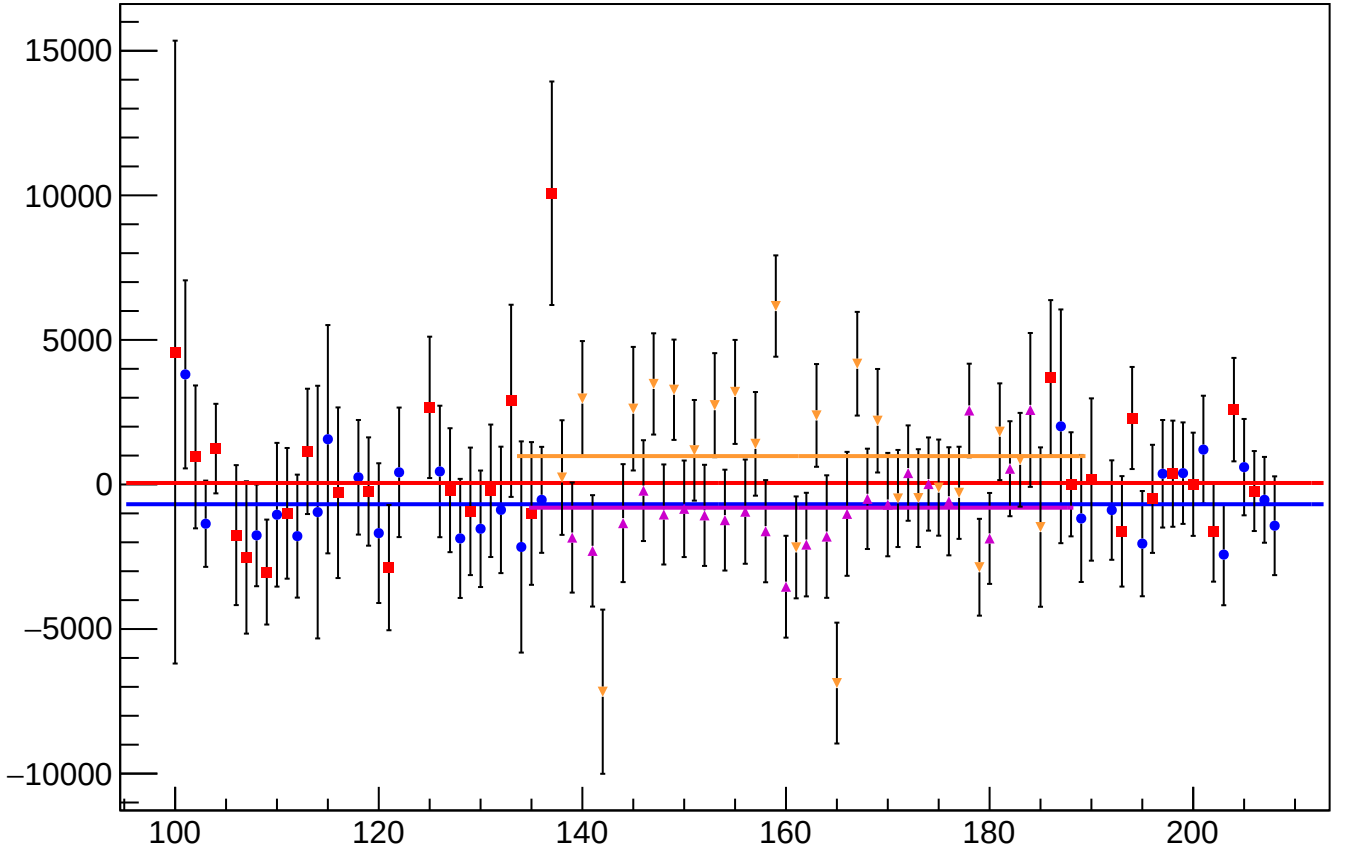
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 13559006.2/55

In: 0.000+/-0.000 χ^2/NDF:13003632.8/49

Out: 0.000+/-0.000 χ^2/NDF:12464797.8/52

All: 0.000+/-0.000 χ^2/NDF: 25480603.4/102



Right In: -683.239+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 51.664+/-390.130 χ^2/NDF: 24.0/28

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

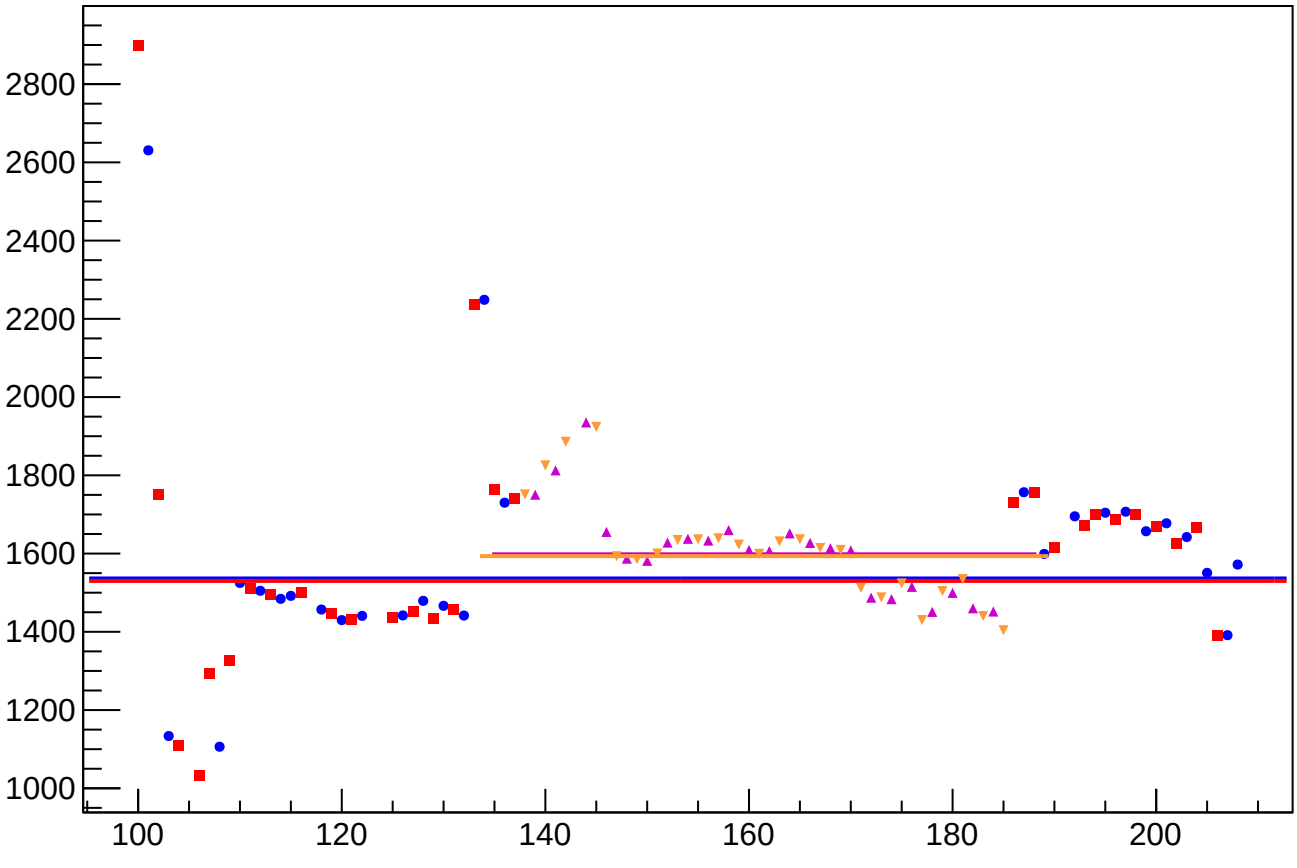
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -314.964+/-276.173 χ^2/NDF: 35.0/55

In: -746.244+/-270.295 χ^2/NDF:21.7/49

Out: 540.200+/-268.786 χ^2/NDF:82.5/52

All: -99.421+/-190.591 χ^2/NDF: 115.6/102



Right In: 1536.379+/-0.276 χ^2/NDF: 719794.9/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1530.145+/-0.275 χ^2/NDF: 636236.8/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

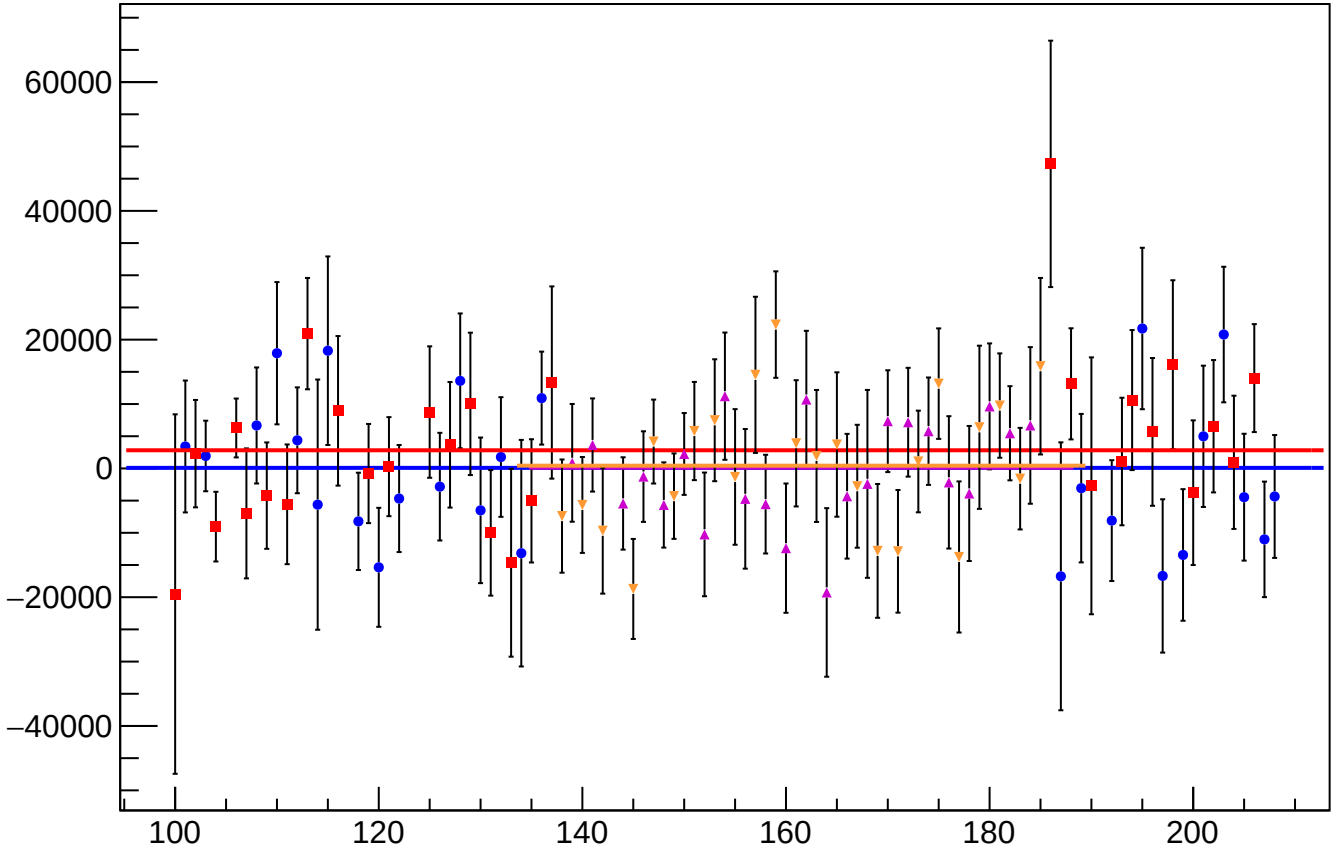
Right: 1533.244+/-0.195 χ^2/NDF: 1356287.4/55

In: 1568.615+/-0.191 χ^2/NDF:914988.3/49

Out: 1563.299+/-0.190 χ^2/NDF:851652.2/52

All: 1565.937+/-0.135 χ^2/NDF: 1767030.2/10

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 87.672+/-1858.156 χ^2/NDF: 28.8/26

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2818.122+/-1717.974 χ^2/NDF: 29.5/28

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

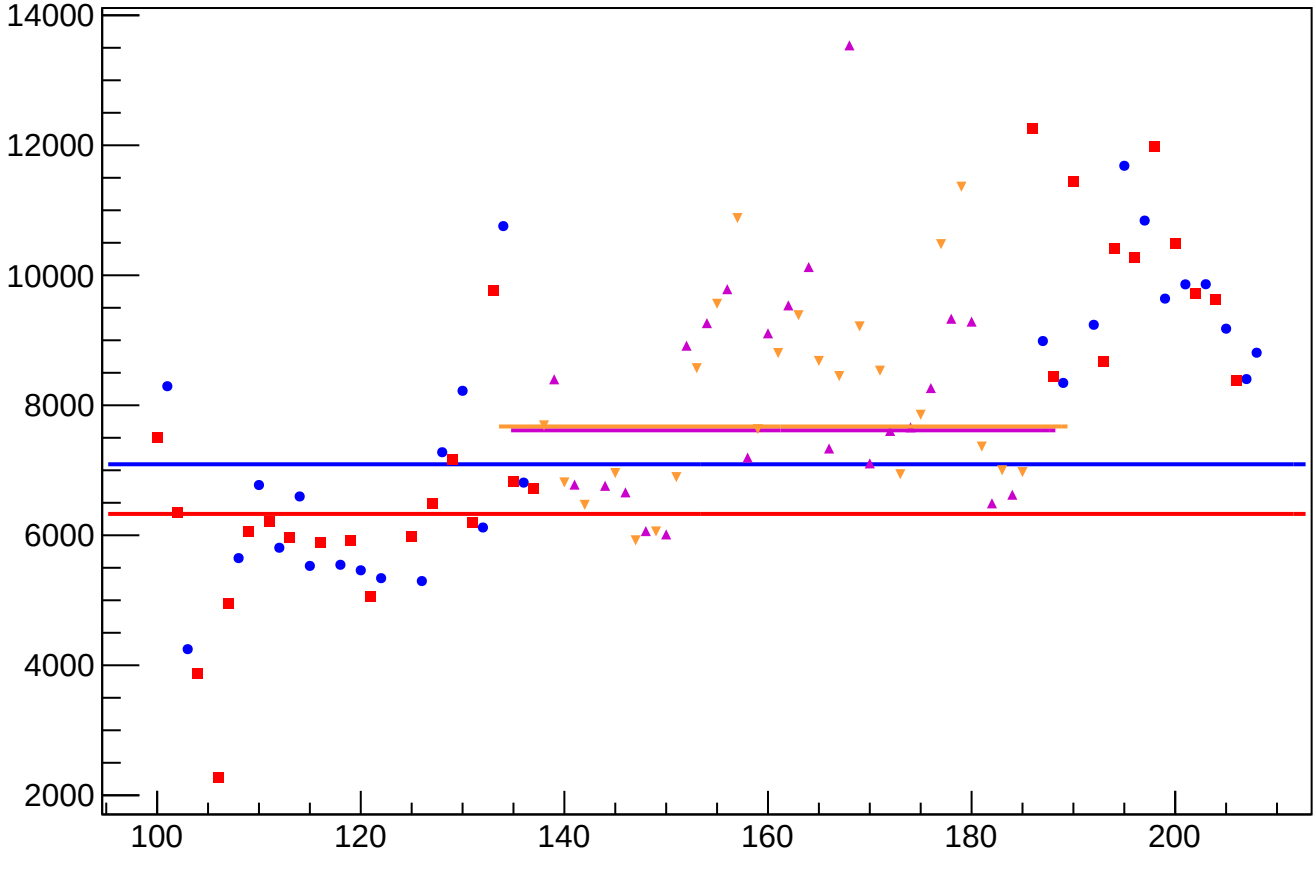
Right: 1559.765+/-1261.441 χ^2/NDF: 59.4/55

In: 107.477+/-1298.326 χ^2/NDF:42.7/49

Out: 1691.237+/-1249.264 χ^2/NDF:59.7/52

All: 929.846+/-900.208 χ^2/NDF: 103.2/102

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 7092.424+/-1.314 χ^2/NDF: 2350735.1/26

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6328.701+/-1.215 χ^2/NDF: 4488883.6/28

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

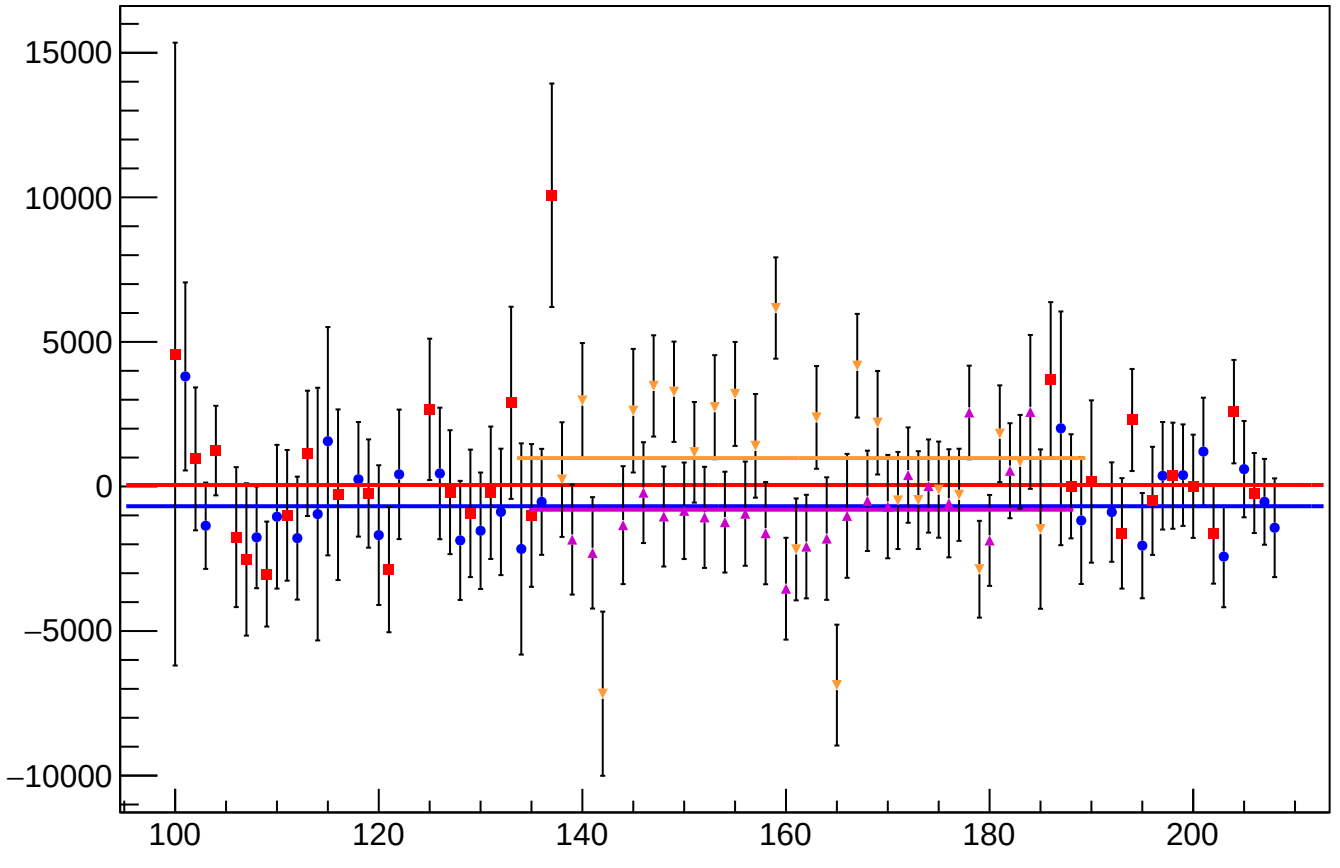
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6680.671+/-0.892 χ^2/NDF: 7021772.3/55

In: 7359.862+/-0.918 χ^2/NDF:3656205.2/49

Out: 6962.661+/-0.883 χ^2/NDF:6143555.9/52

All: 7153.615+/-0.637 χ^2/NDF: 9896959.9/10



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 51.712+/-390.130 χ^2/NDF: 24.0/28

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

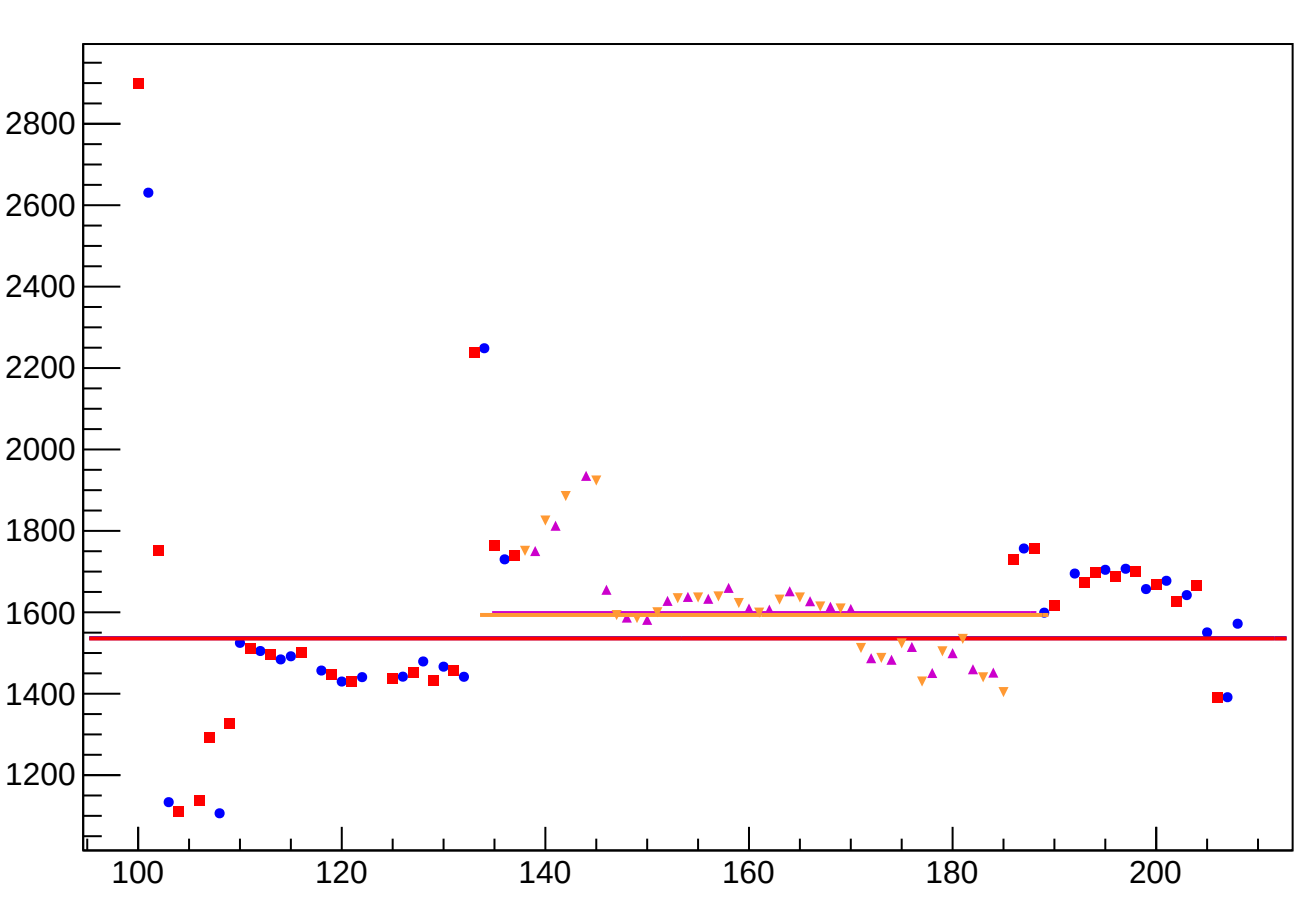
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -314.974+/-276.173 χ^2/NDF: 35.0/55

In: -746.211+/-270.295 χ^2/NDF:21.7/49

Out: 540.268+/-268.786 χ^2/NDF:82.5/52

All: -99.371+/-190.591 χ^2/NDF: 115.6/102



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

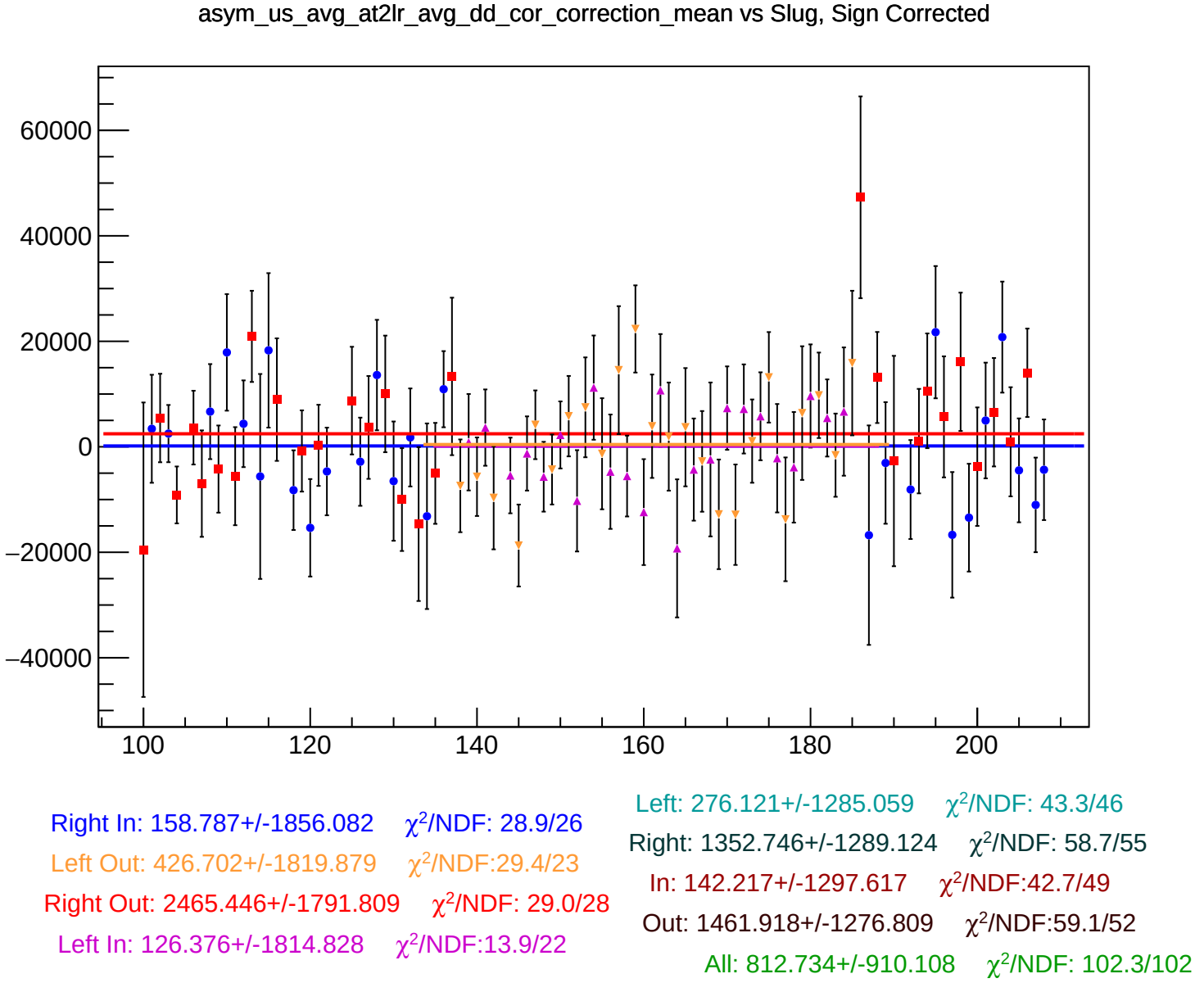
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1536.022+/-0.195 χ^2/NDF: 1304361.8/55

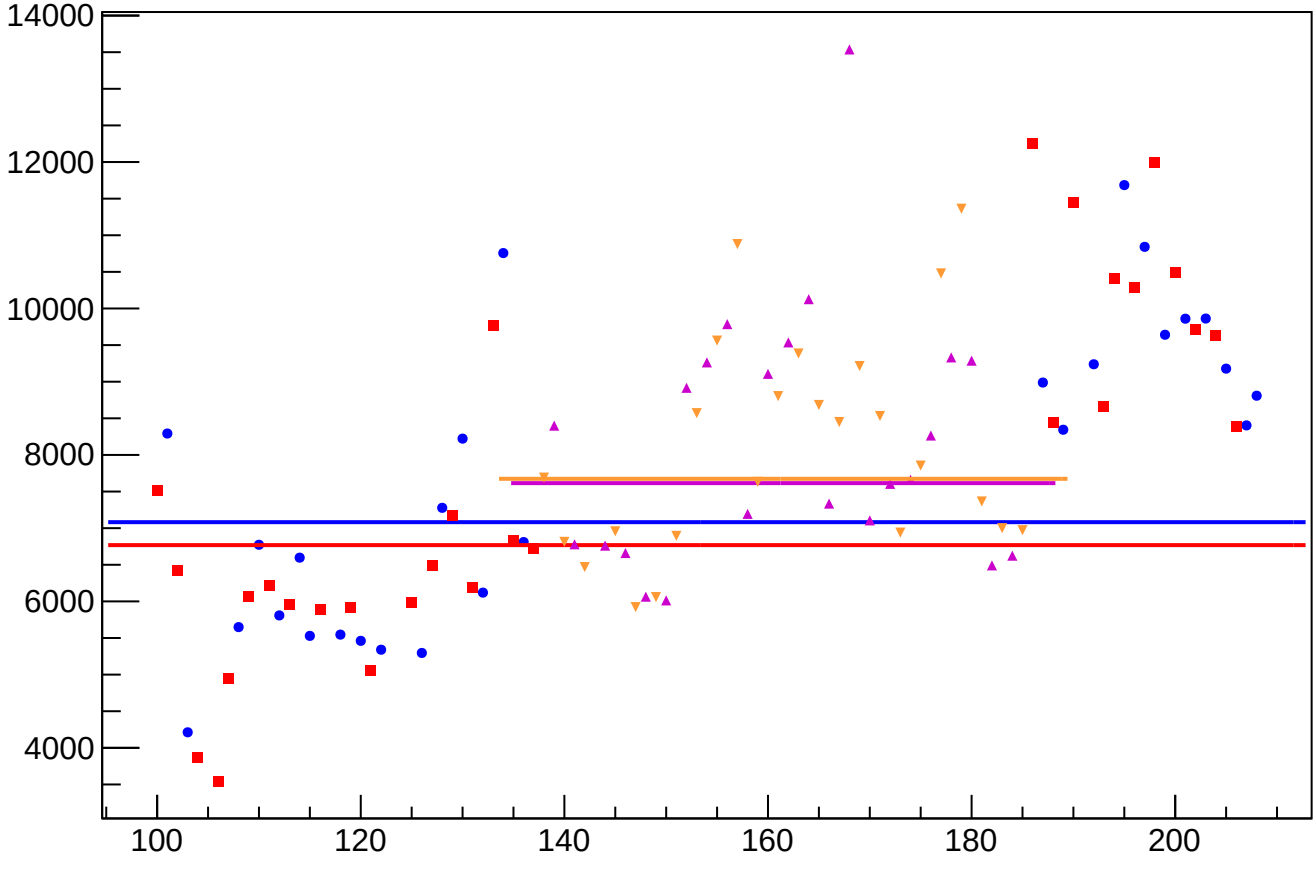
In: 1568.615+/-0.191 χ^2/NDF:914988.8/49

Out: 1566.006+/-0.190 χ^2/NDF:795278.2/52

All: 1567.303+/-0.135 χ^2/NDF: 1710360.7/10


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 158.787+/-1856.082 χ²/NDF: 28.9/26
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 2465.446+/-1791.809 χ²/NDF: 29.0/28
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 1352.746+/-1289.124 χ²/NDF: 58.7/55
In: 142.217+/-1297.617 χ²/NDF:42.7/49
Out: 1461.918+/-1276.809 χ²/NDF:59.1/52
All: 812.734+/-910.108 χ²/NDF: 102.3/102

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

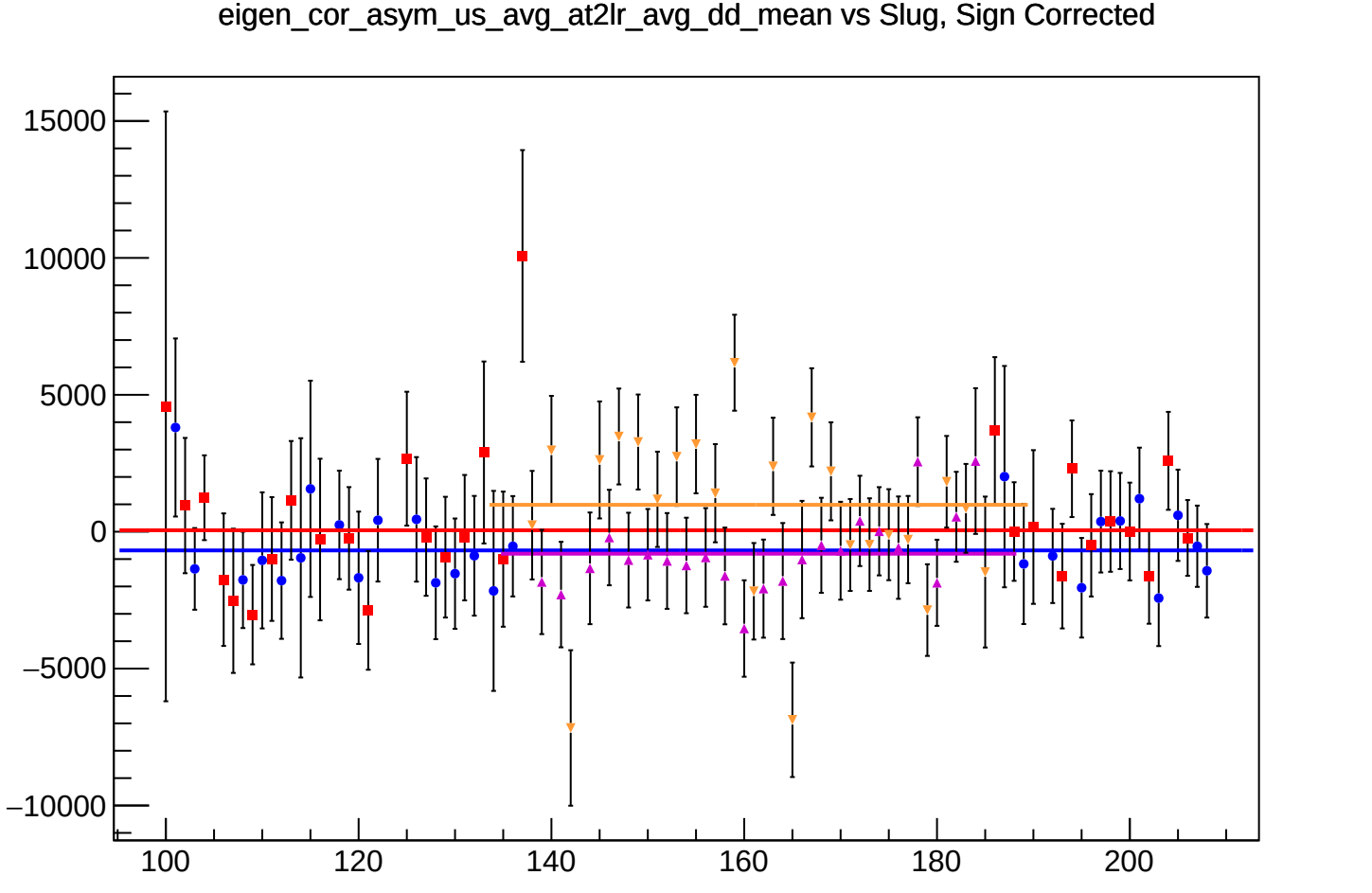
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6919.652+/-0.912 χ^2/NDF: 5522948.2/55

In: 7354.417+/-0.918 χ^2/NDF:3683860.2/49

Out: 7214.221+/-0.903 χ^2/NDF:4446618.9/52

All: 7283.186+/-0.644 χ^2/NDF: 8142340.7/10



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 51.712+/-390.130 χ^2/NDF: 24.0/28

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

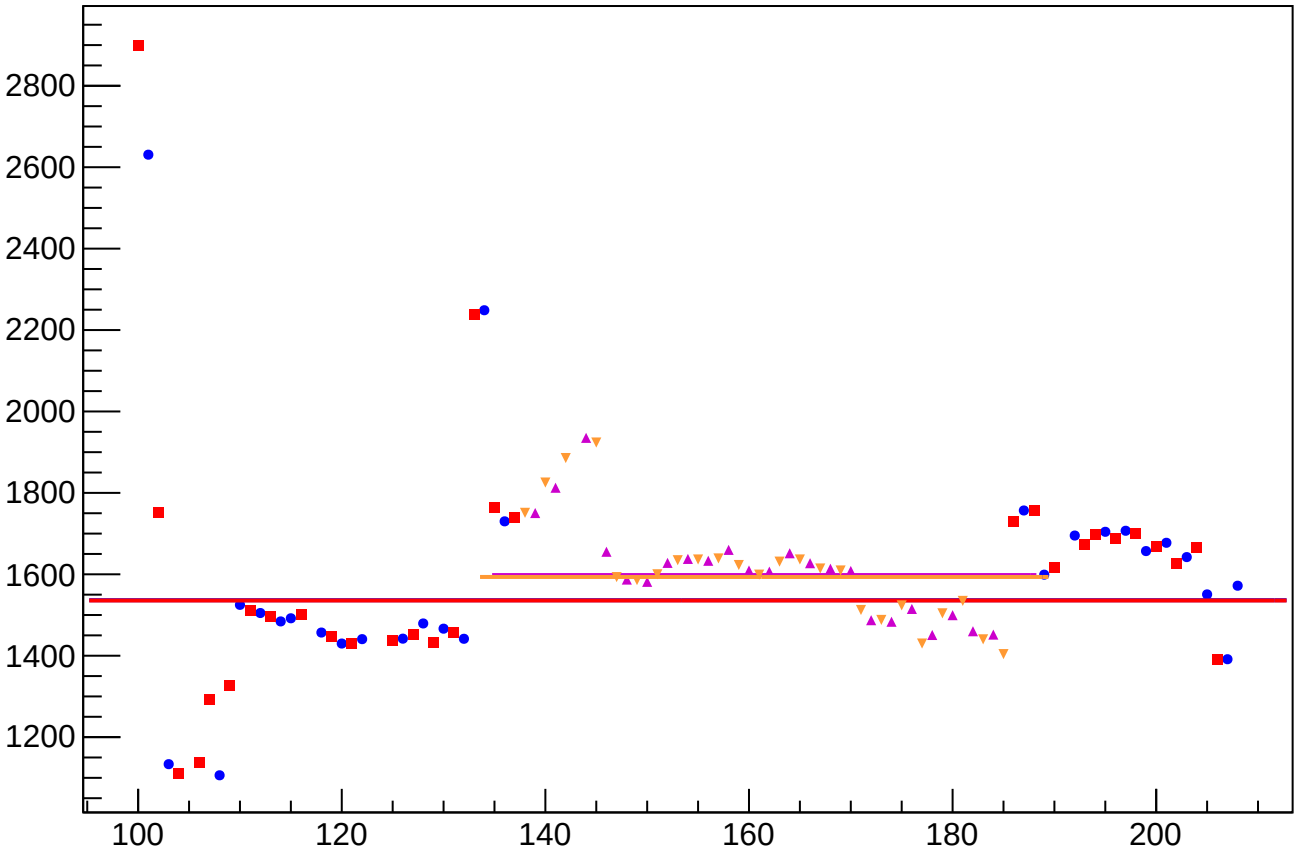
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -314.974+/-276.173 χ^2/NDF: 35.0/55

In: -746.211+/-270.295 χ^2/NDF:21.7/49

Out: 540.268+/-268.786 χ^2/NDF:82.5/52

All: -99.371+/-190.591 χ^2/NDF: 115.6/102



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

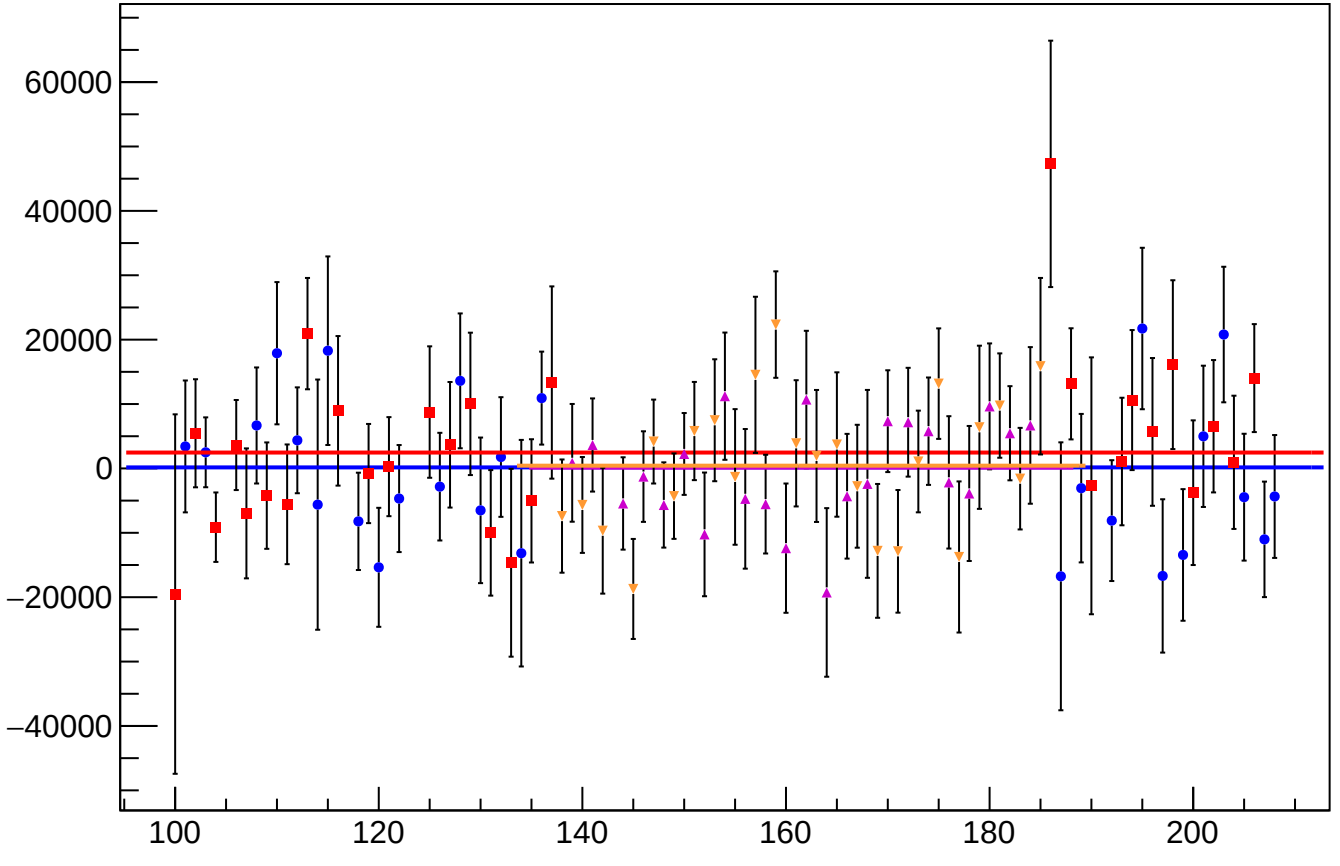
Right: 1536.022+/-0.195 χ^2/NDF: 1304361.8/55

In: 1568.615+/-0.191 χ^2/NDF:914988.8/49

Out: 1566.006+/-0.190 χ^2/NDF:795278.2/52

All: 1567.303+/-0.135 χ^2/NDF: 1710360.7/10

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 158.787+/-1856.082 χ^2/NDF: 28.9/26

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

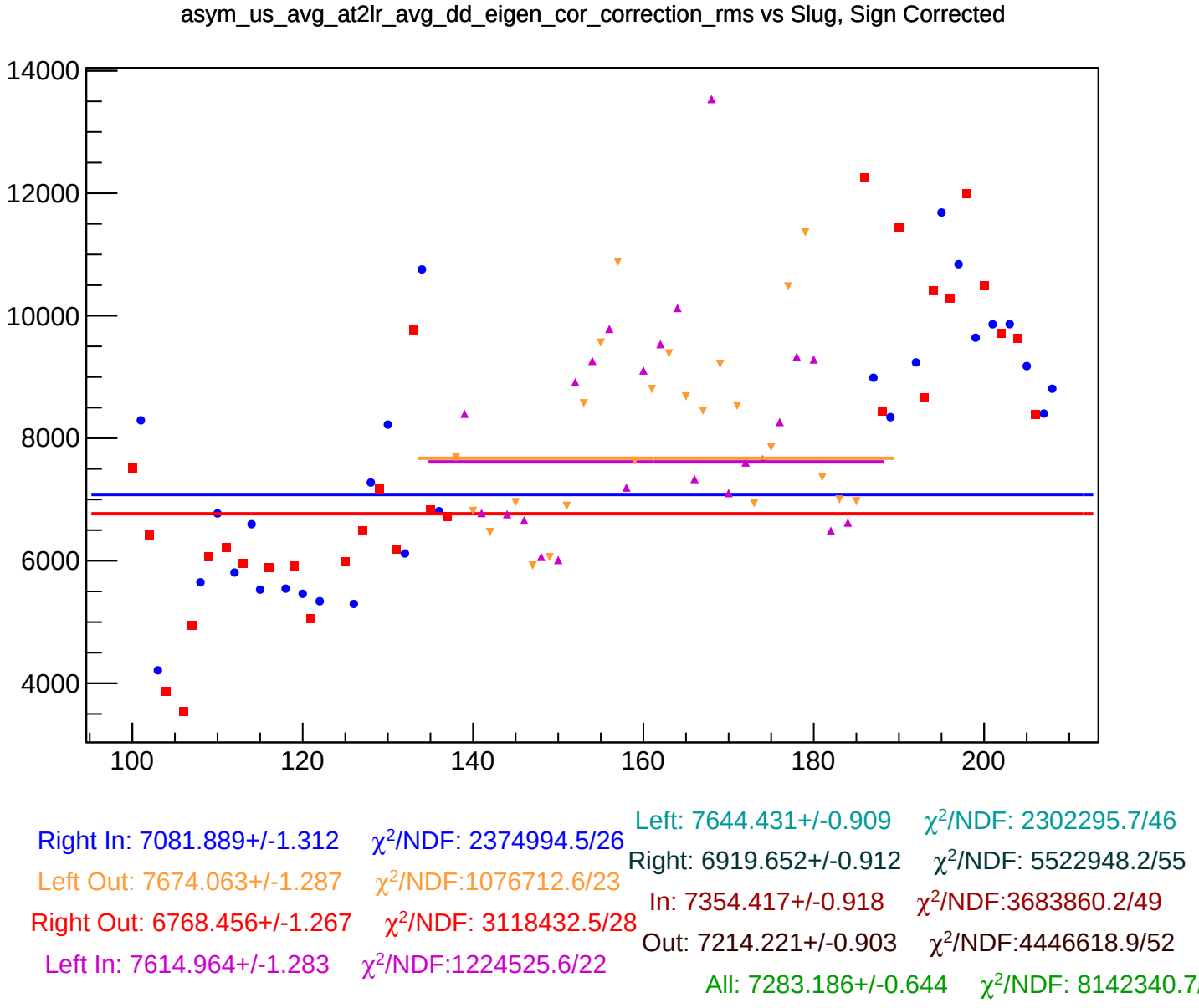
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

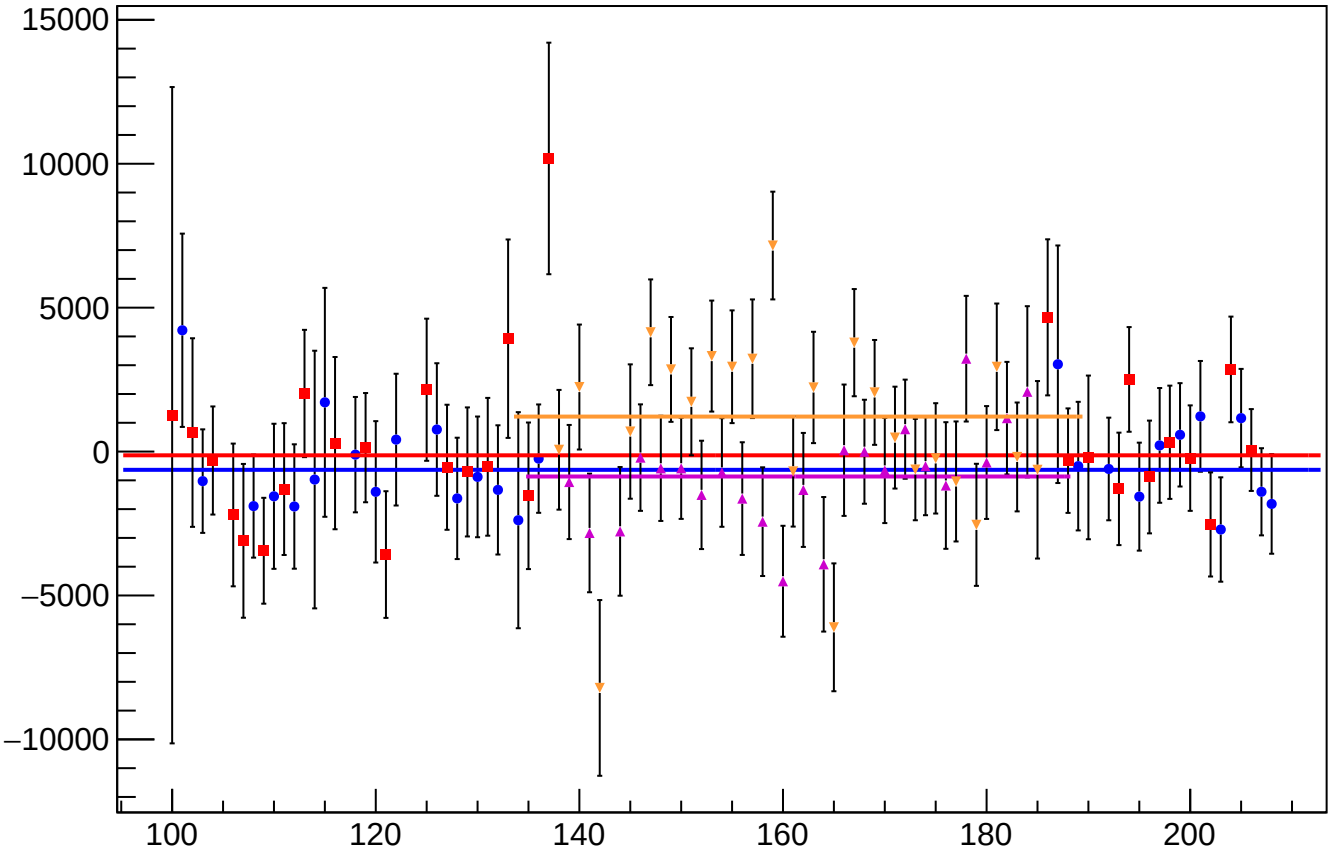
Right: 1352.746+/-1289.124 χ^2/NDF: 58.7/55

In: 142.217+/-1297.617 χ^2/NDF:42.7/49

Out: 1461.918+/-1276.809 χ^2/NDF:59.1/52

All: 812.734+/-910.108 χ^2/NDF: 102.3/102


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7081.889+/-1.312 χ²/NDF: 2374994.5/26
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 6768.456+/-1.267 χ²/NDF: 3118432.5/28
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 6919.652+/-0.912 χ²/NDF: 5522948.2/55
In: 7354.417+/-0.918 χ²/NDF:3683860.2/49
Out: 7214.221+/-0.903 χ²/NDF:4446618.9/52
All: 7283.186+/-0.644 χ²/NDF: 8142340.7/10



Right In: -634.462+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -130.129+/-406.054 χ^2/NDF: 28.4/28

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

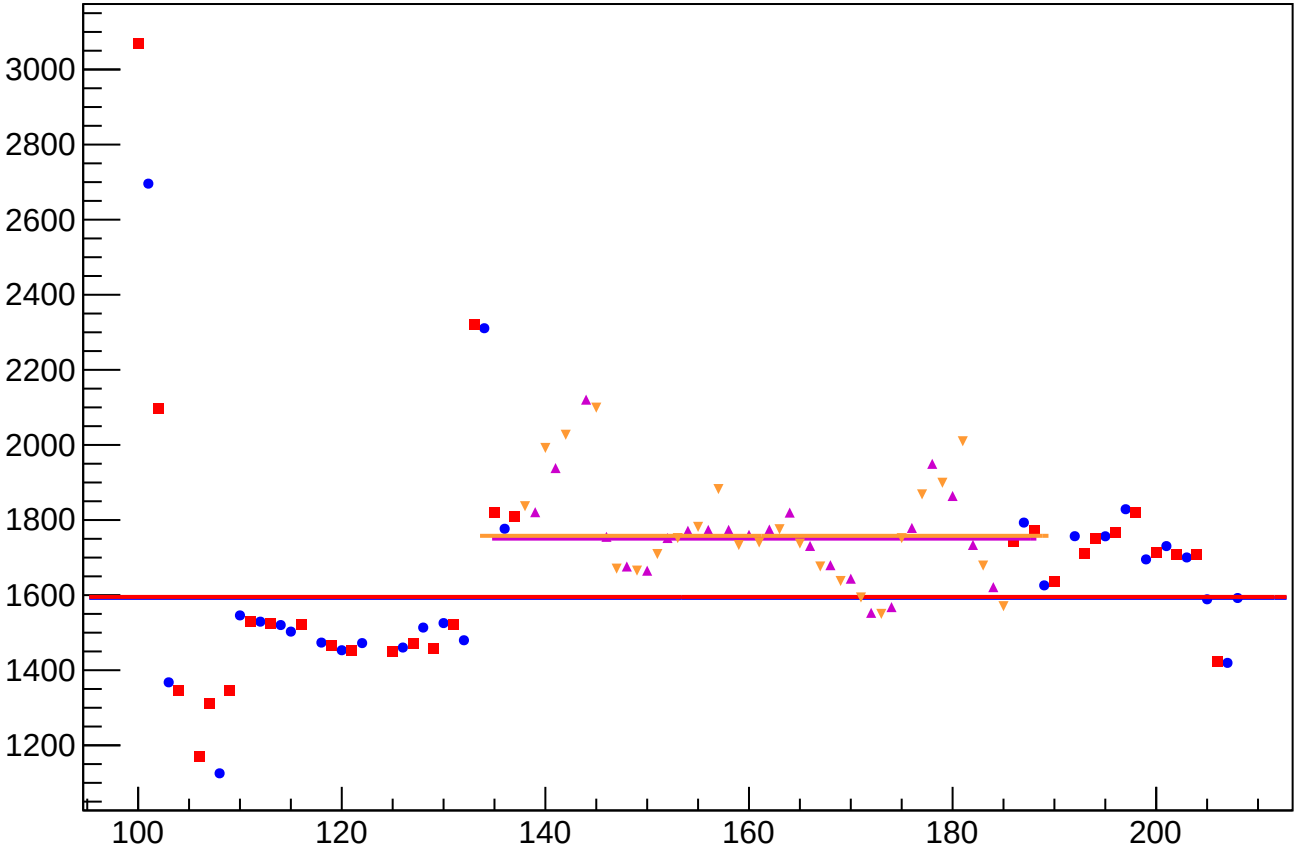
Right: -382.994+/-286.726 χ^2/NDF: 39.8/55

In: -748.791+/-288.118 χ^2/NDF:25.8/49

Out: 536.788+/-288.364 χ^2/NDF:82.3/52

All: -106.548+/-203.817 χ^2/NDF: 118.1/102

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1592.694+/-0.286 χ^2/NDF: 630823.5/26

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1595.239+/-0.287 χ^2/NDF: 531161.5/28

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

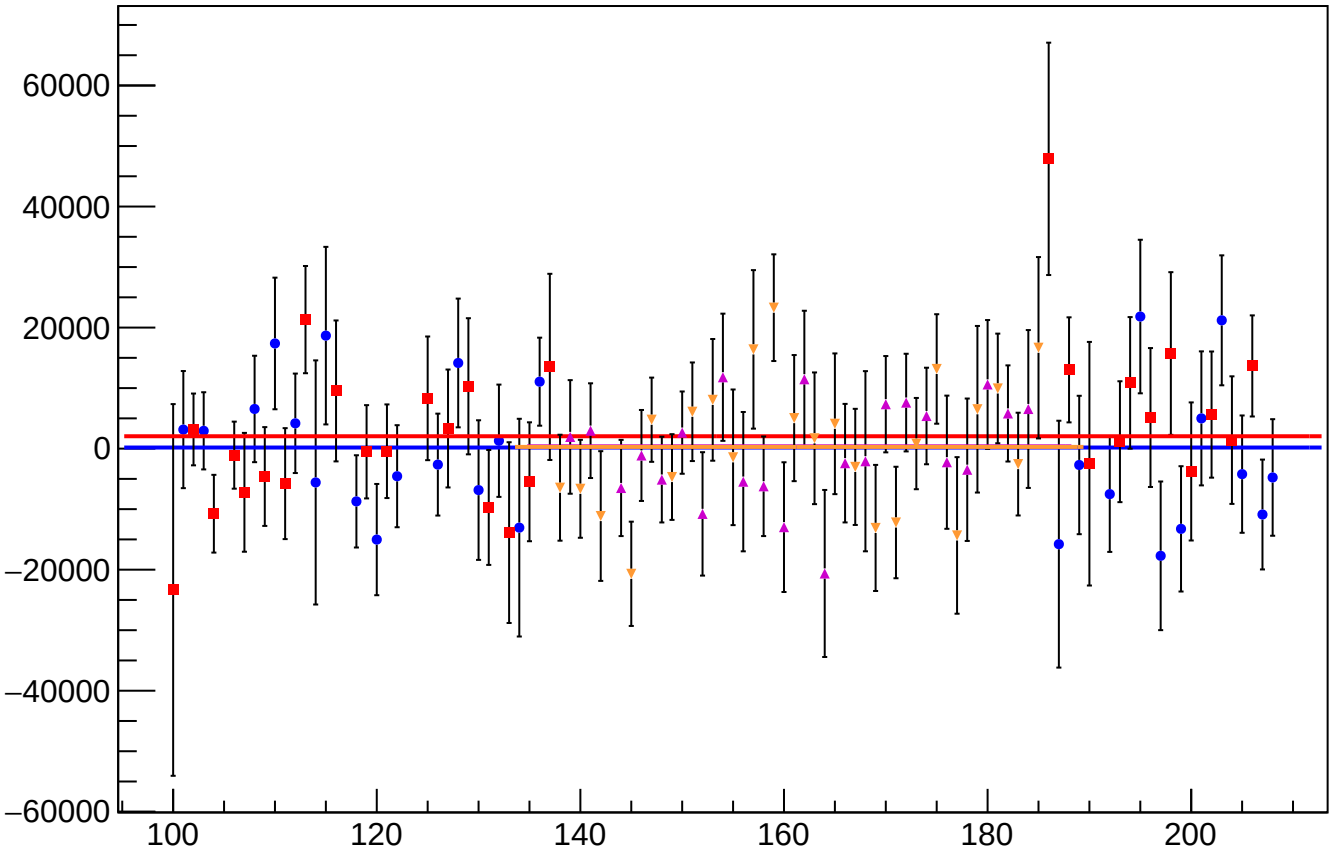
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1593.963+/-0.203 χ^2/NDF: 1162024.4/55

In: 1670.597+/-0.204 χ^2/NDF:952639.1/49

Out: 1675.886+/-0.204 χ^2/NDF:903678.1/52

All: 1673.239+/-0.144 χ^2/NDF: 1856653.9/10



Right In: 181.662+/-1891.921 χ^2/NDF: 28.7/26

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 2045.889+/-1752.088 χ^2/NDF: 28.8/28

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

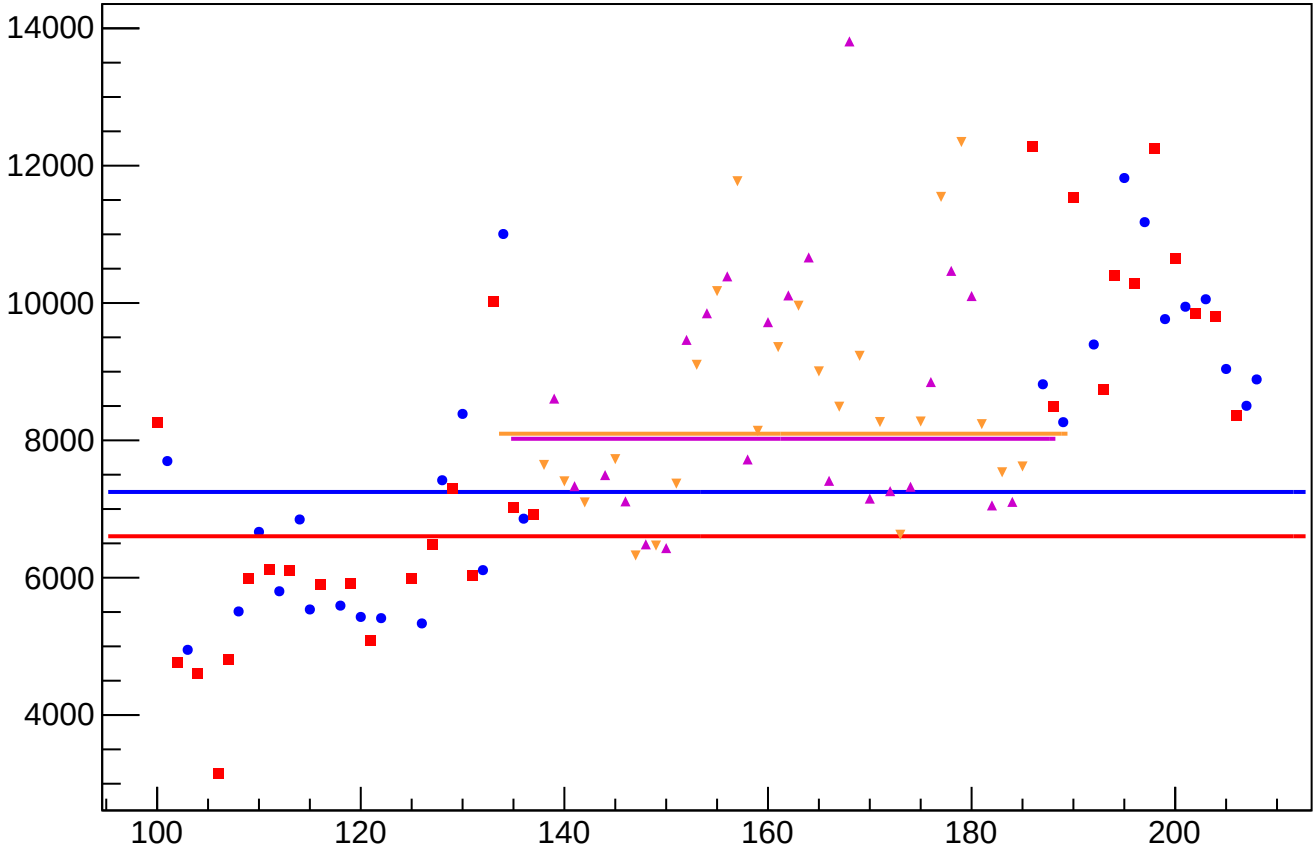
Right: 1185.207+/-1285.508 χ^2/NDF: 58.0/55

In: 281.080+/-1344.967 χ^2/NDF:42.3/49

Out: 1245.823+/-1294.253 χ^2/NDF:57.9/52

All: 781.982+/-932.589 χ^2/NDF: 100.5/102

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7248.613+/-1.338 χ^2/NDF: 2083656.3/26

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6603.454+/-1.239 χ^2/NDF: 3492969.8/28

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

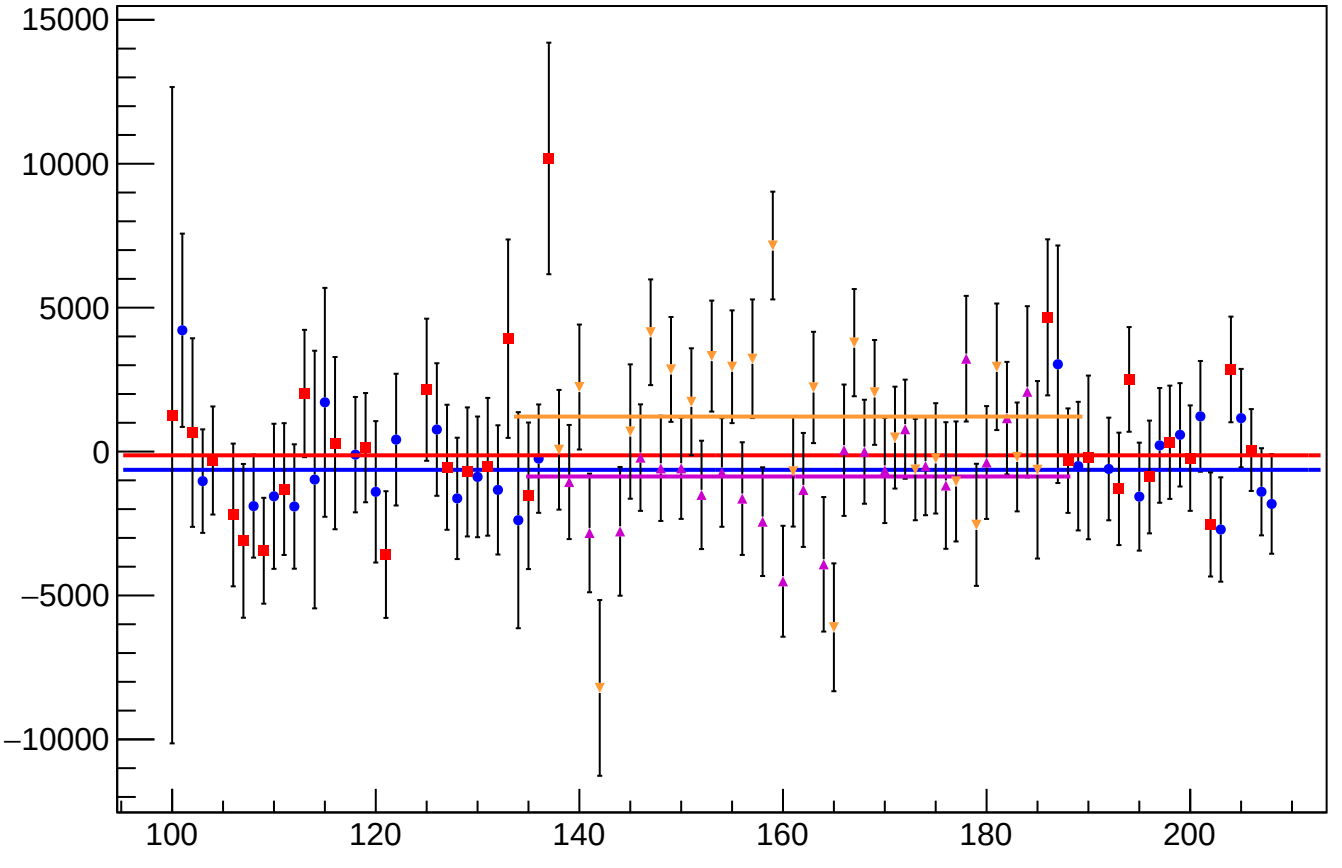
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6901.313+/-0.909 χ^2/NDF: 5701823.7/55

In: 7631.505+/-0.951 χ^2/NDF:3474822.6/49

Out: 7281.941+/-0.915 χ^2/NDF:5240886.7/52

All: 7450.009+/-0.659 χ^2/NDF: 8785855.2/10



Right In: -634.461+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -130.131+/-406.054 χ^2/NDF: 28.4/28

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

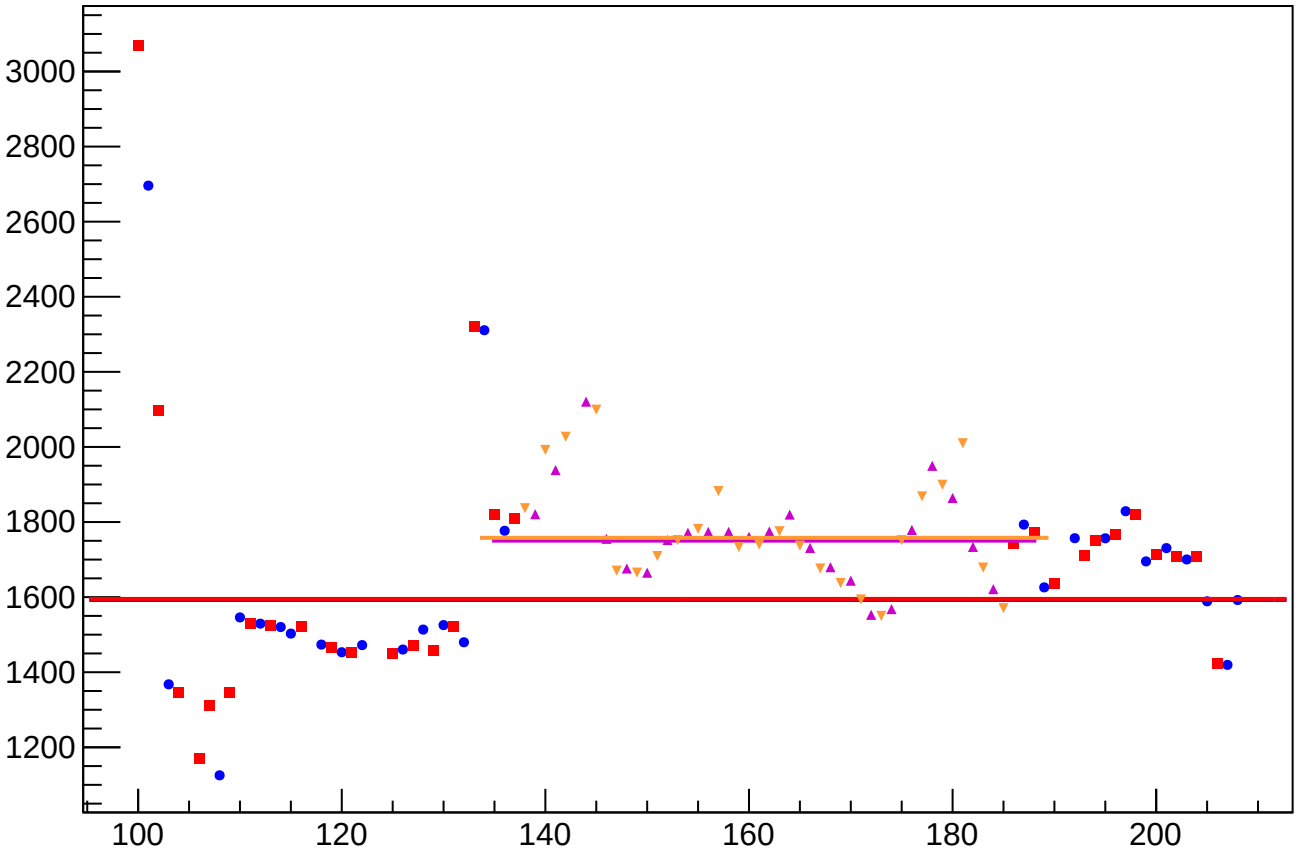
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -382.994+/-286.726 χ^2/NDF: 39.8/55

In: -748.790+/-288.119 χ^2/NDF:25.8/49

Out: 536.790+/-288.364 χ^2/NDF:82.3/52

All: -106.547+/-203.817 χ^2/NDF: 118.1/102



Right In: 1592.695+/-0.286 χ^2/NDF: 630823.4/26

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1595.240+/-0.287 χ^2/NDF: 531163.1/28

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

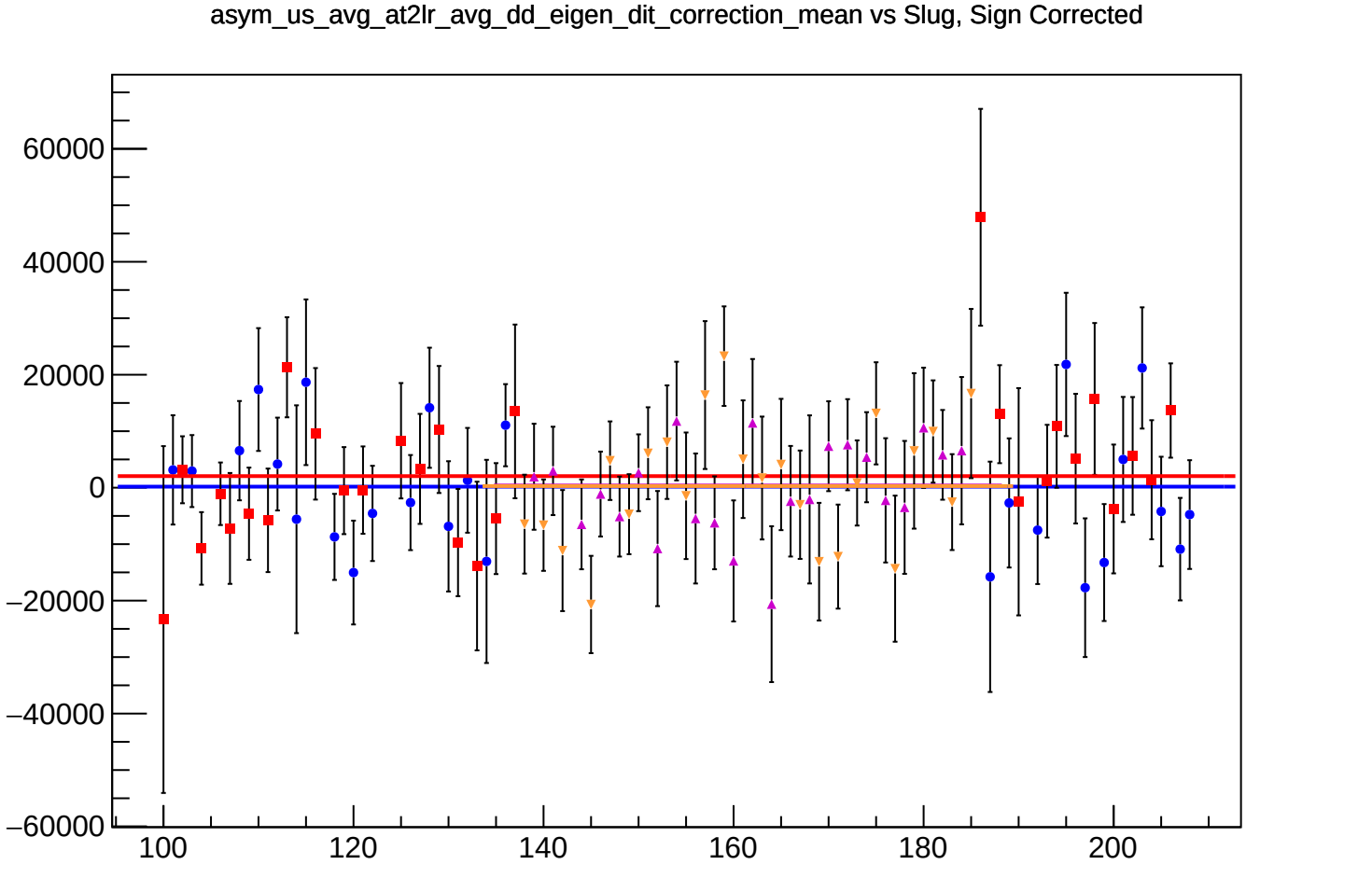
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1593.964+/-0.203 χ^2/NDF: 1162025.9/55

In: 1670.598+/-0.204 χ^2/NDF:952651.9/49

Out: 1675.887+/-0.204 χ^2/NDF:903692.5/52

All: 1673.241+/-0.144 χ^2/NDF: 1856681.1/10



Right In: 181.654+/-1891.919 χ^2/NDF: 28.7/26

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 2045.876+/-1752.086 χ^2/NDF: 28.8/28

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

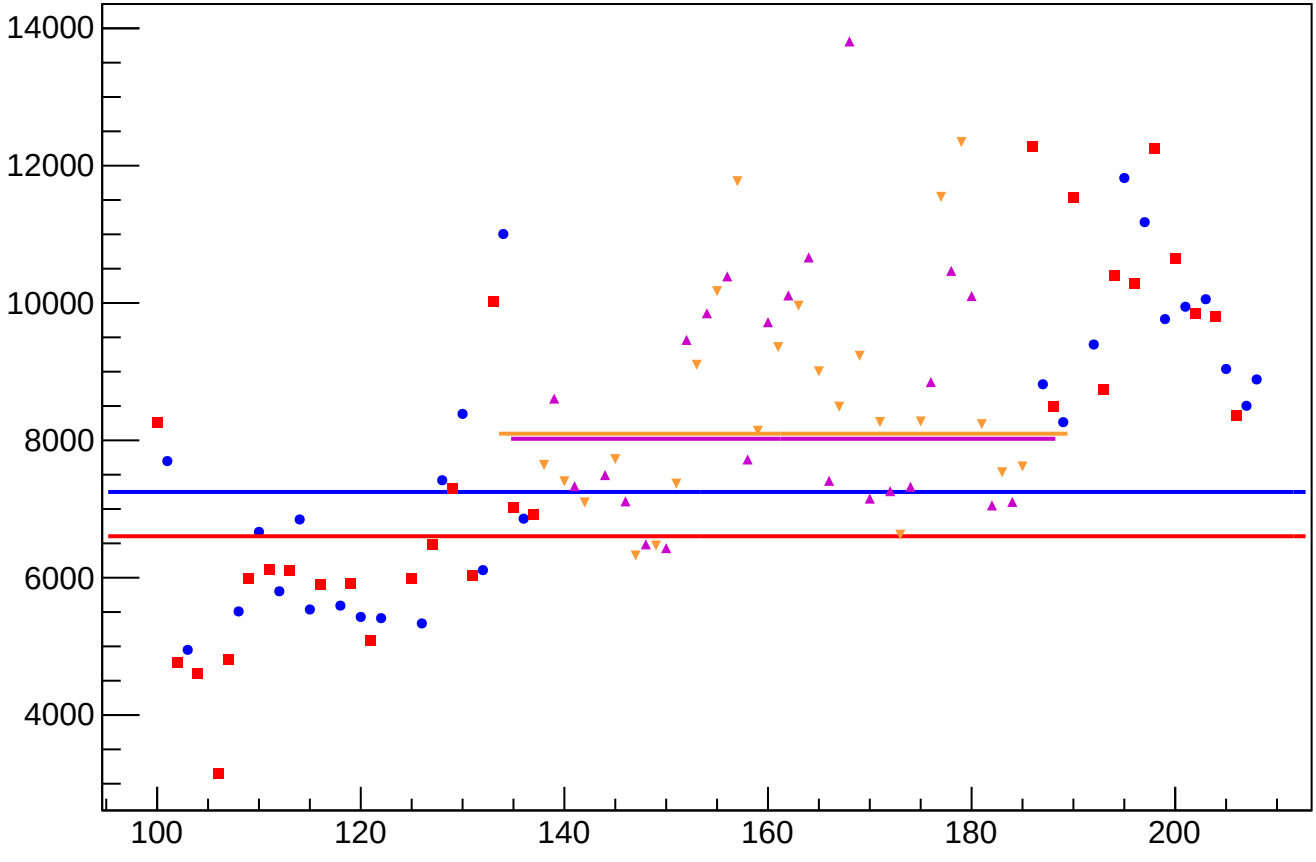
Right: 1185.197+/-1285.507 χ^2/NDF: 58.0/55

In: 281.077+/-1344.967 χ^2/NDF:42.3/49

Out: 1245.819+/-1294.253 χ^2/NDF:57.9/52

All: 781.979+/-932.589 χ^2/NDF: 100.5/102

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7248.604+/-1.338 χ^2/NDF: 2083683.4/26

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6603.444+/-1.239 χ^2/NDF: 3492994.6/28

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

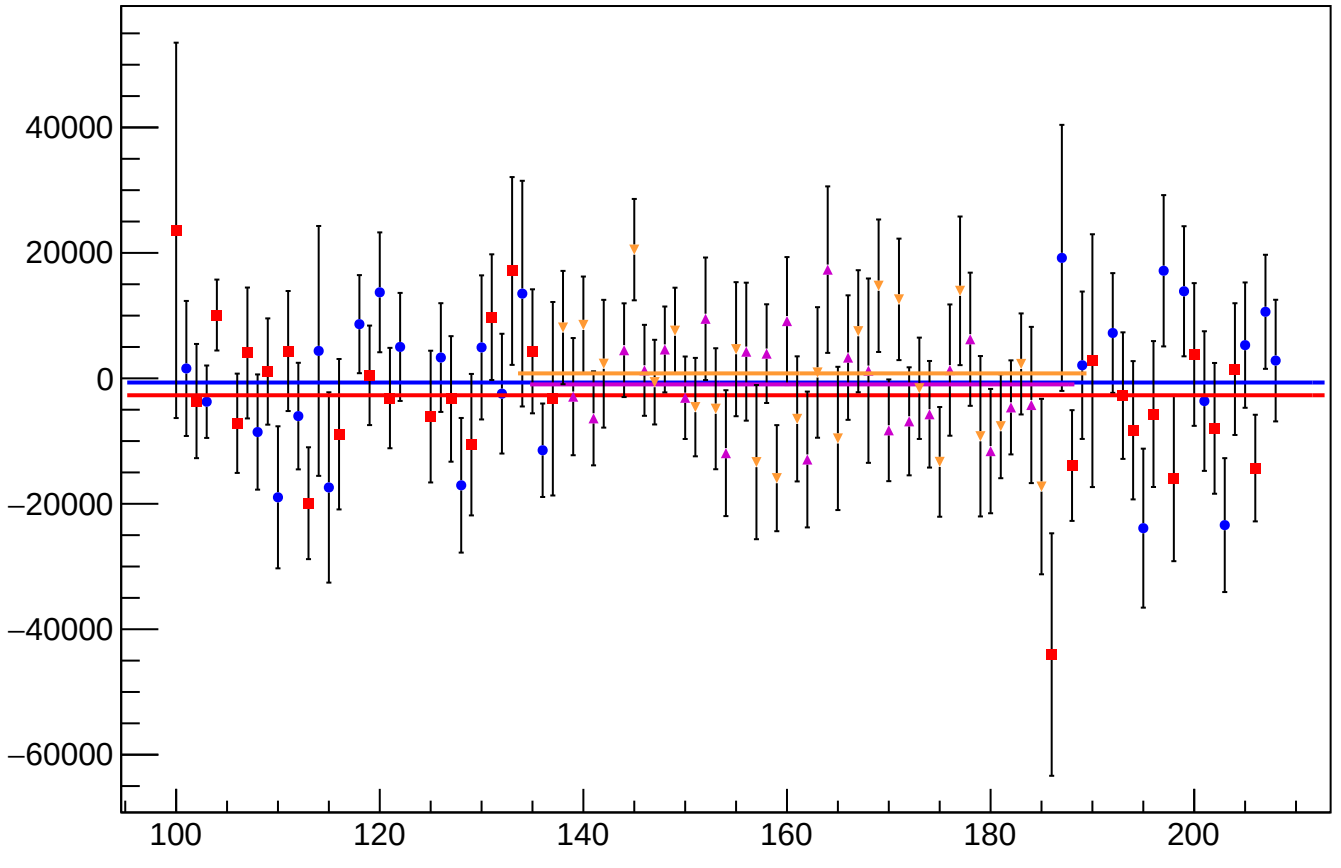
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6901.303+/-0.909 χ^2/NDF: 5701876.3/55

In: 7631.506+/-0.951 χ^2/NDF:3474862.9/49

Out: 7281.939+/-0.915 χ^2/NDF:5240933.3/52

All: 7450.008+/-0.659 χ^2/NDF: 8785942.9/10



Right In: -664.734+/-1910.805 χ^2/NDF: 30.8/26

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2696.332+/-1856.176 χ^2/NDF: 26.1/28

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

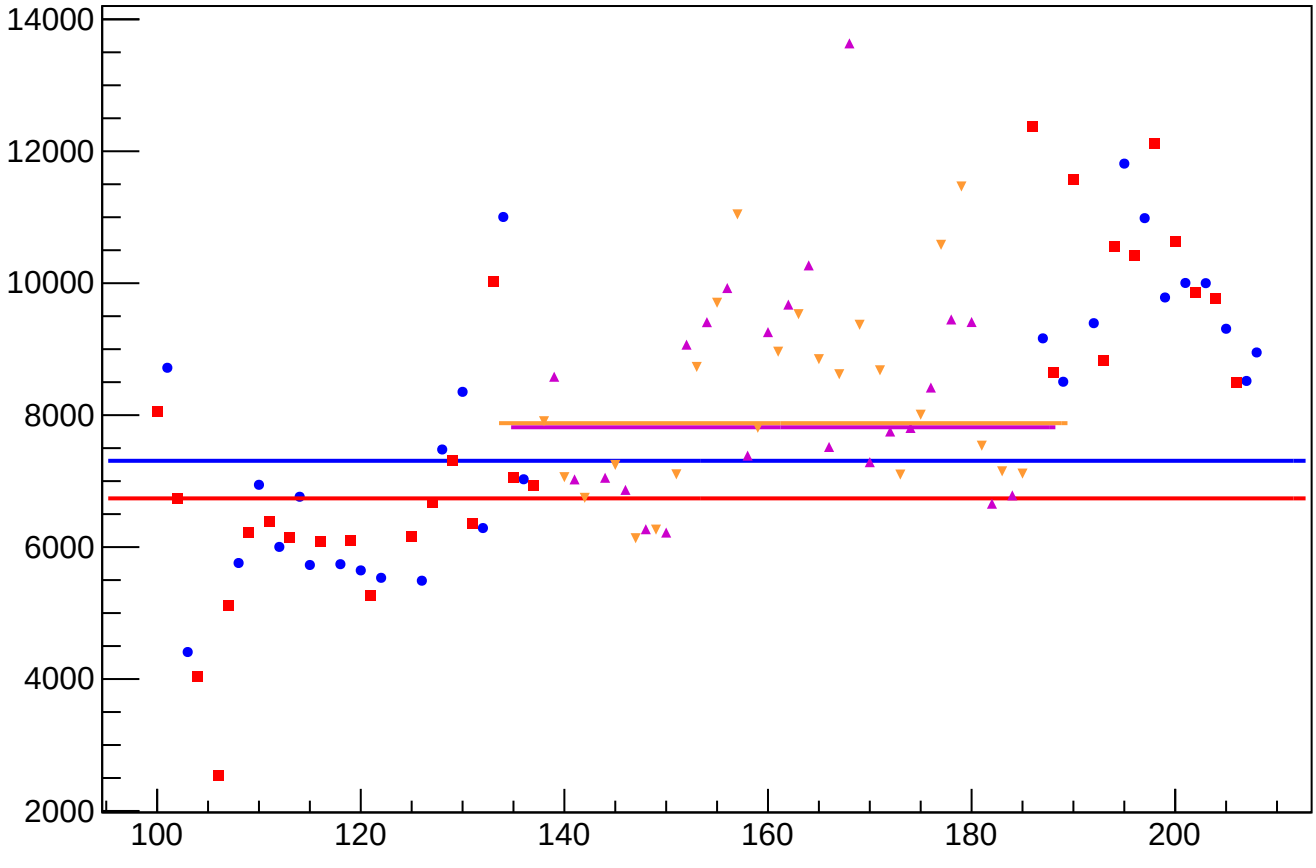
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1709.989+/-1331.409 χ^2/NDF: 57.4/55

In: -818.387+/-1332.790 χ^2/NDF:43.6/49

Out: -960.908+/-1315.662 χ^2/NDF:55.0/52

All: -890.569+/-936.311 χ^2/NDF: 98.6/102



Right In: 7308.012+/-1.351 χ^2/NDF: 2210434.9/26

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6738.402+/-1.279 χ^2/NDF: 3729910.0/28

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

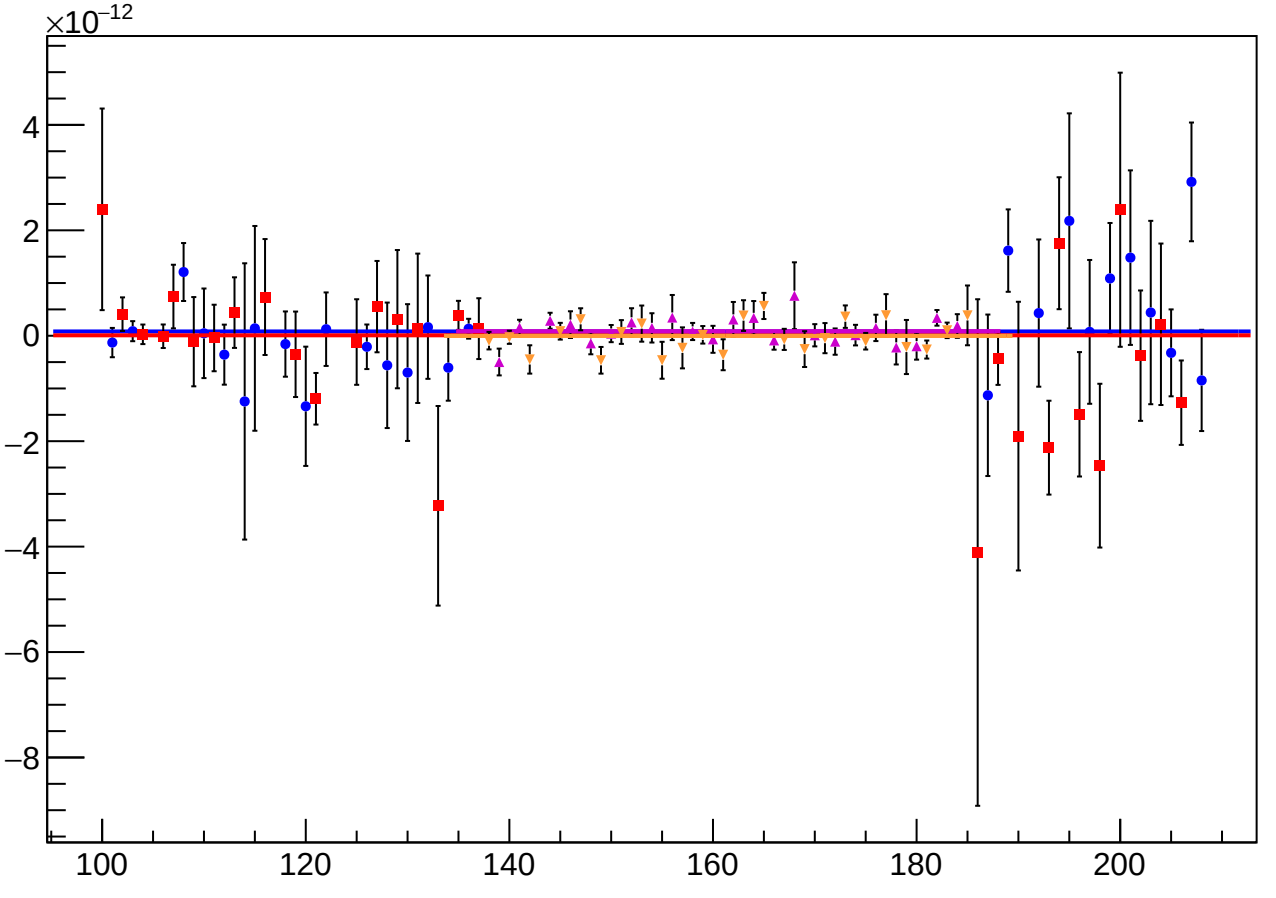
Right: 7007.659+/-0.929 χ^2/NDF: 6034060.2/55

In: 7569.088+/-0.942 χ^2/NDF:3415514.5/49

Out: 7291.091+/-0.918 χ^2/NDF:5104988.3/52

All: 7426.479+/-0.658 χ^2/NDF: 8565139.7/10

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/28

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

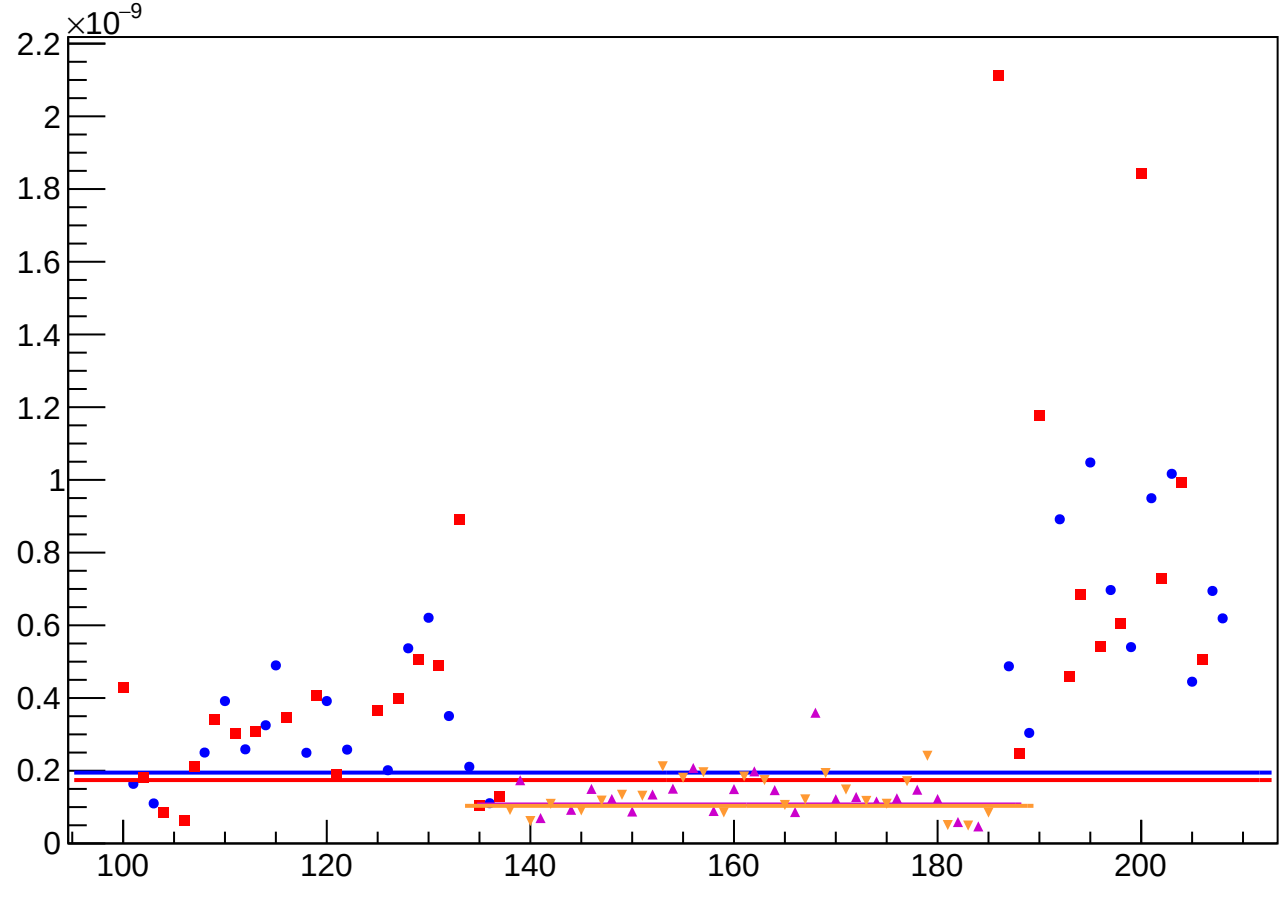
Right: 0.000+/-0.000 χ^2/NDF: 59.4/55

In: 0.000+/-0.000 χ^2/NDF:43.9/49

Out: -0.000+/-0.000 χ^2/NDF:63.2/52

All: 0.000+/-0.000 χ^2/NDF: 109.5/102

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4828292.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6071330.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

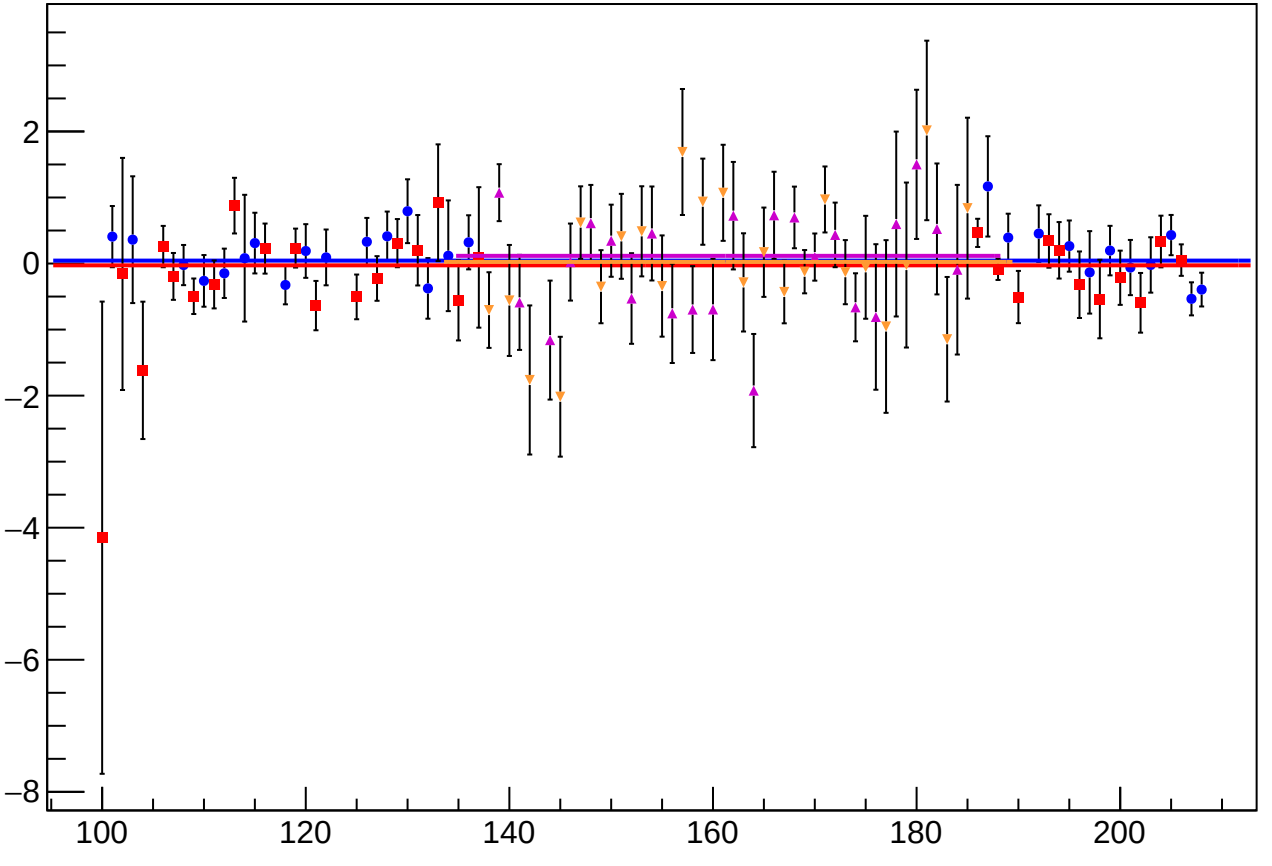
Right: 0.000+/-0.000 χ^2/NDF: 10943177.3/55

In: 0.000+/-0.000 χ^2/NDF:7716294.9/49

Out: 0.000+/-0.000 χ^2/NDF:8852694.4/52

All: 0.000+/-0.000 χ^2/NDF: 16595713.5/102

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

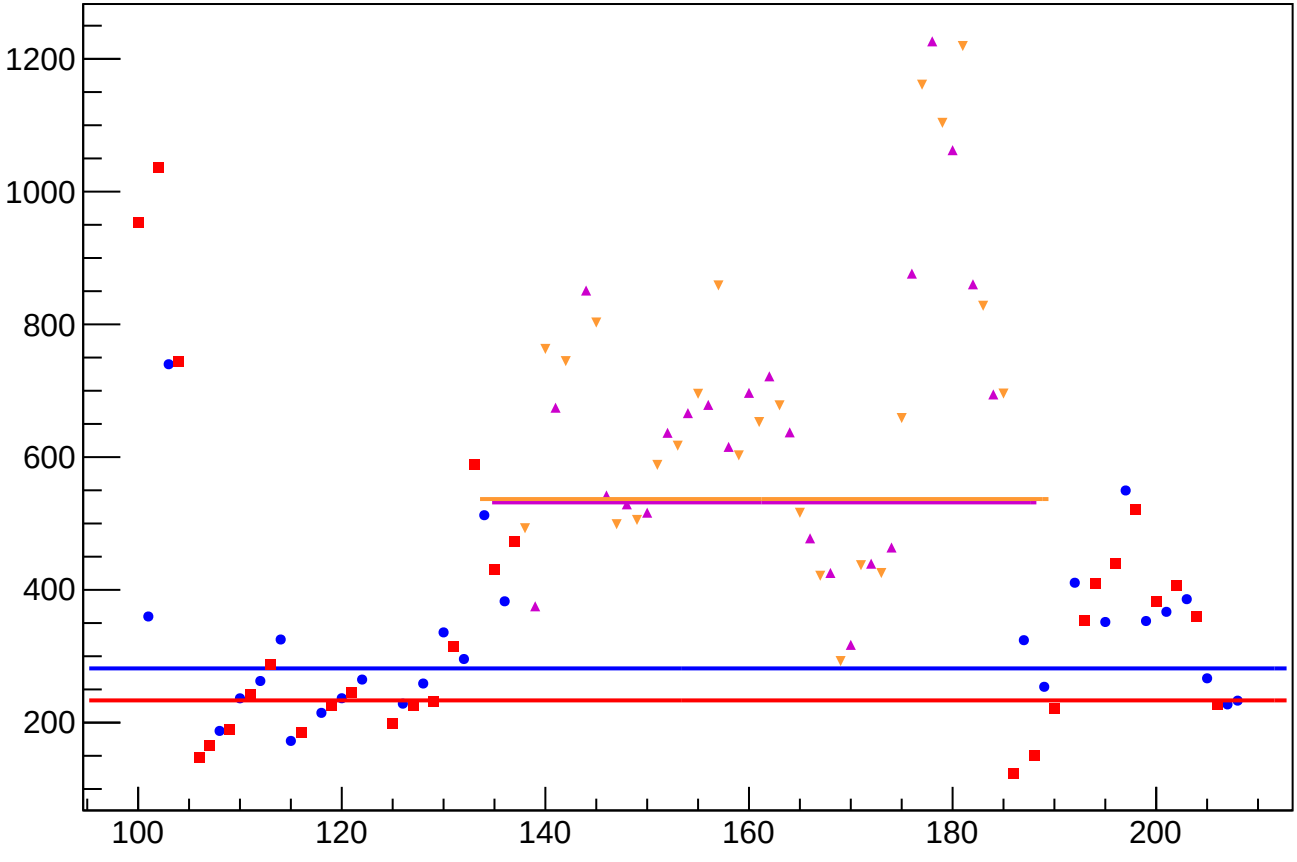
Right: 0.004+/-0.050 χ^2/NDF: 58.1/55

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.019+/-0.044 χ^2/NDF: 115.6/102

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

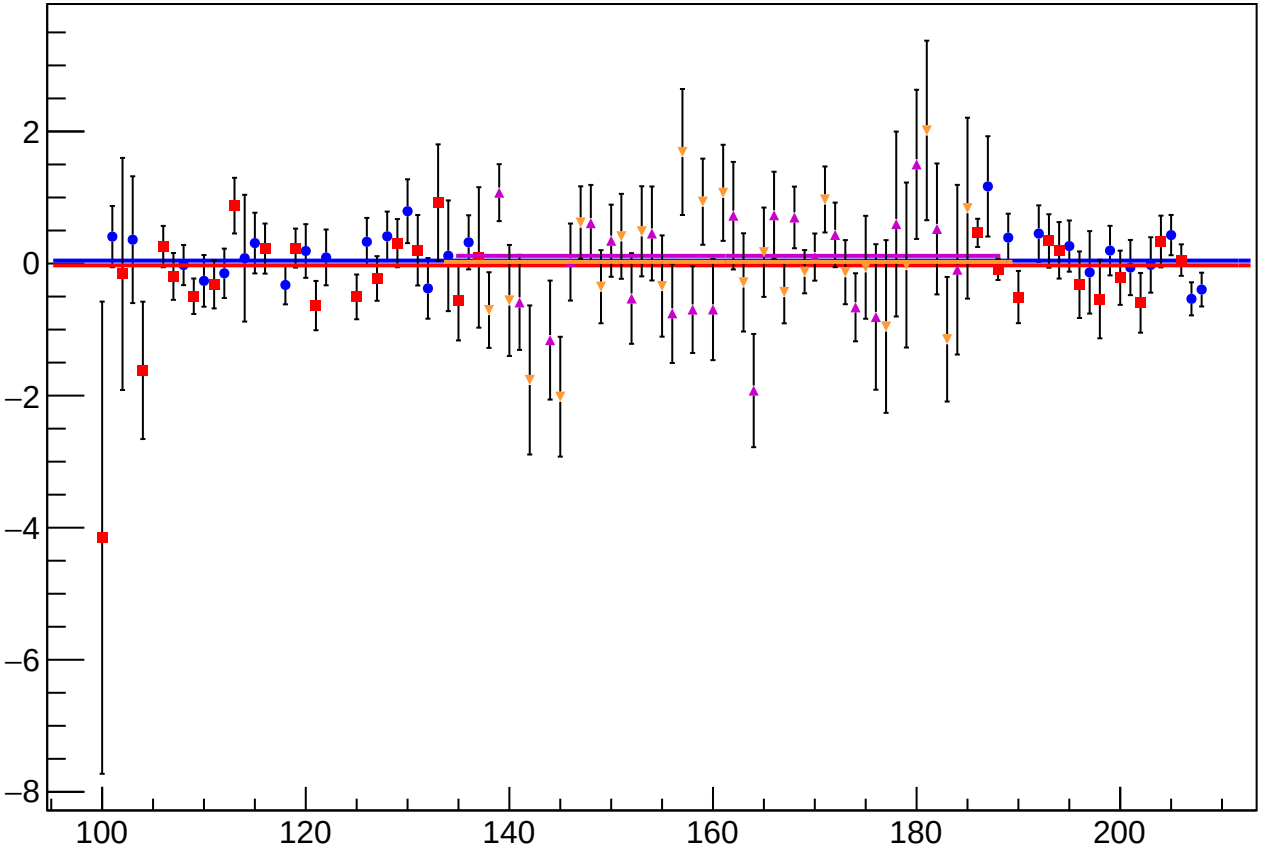
Right: 254.547+/-0.035 χ^2/NDF: 8066783.2/55

In: 343.068+/-0.046 χ^2/NDF:11181305.2/49

Out: 293.548+/-0.042 χ^2/NDF:17373839.4/52

All: 315.938+/-0.031 χ^2/NDF: 29179031.5/10

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

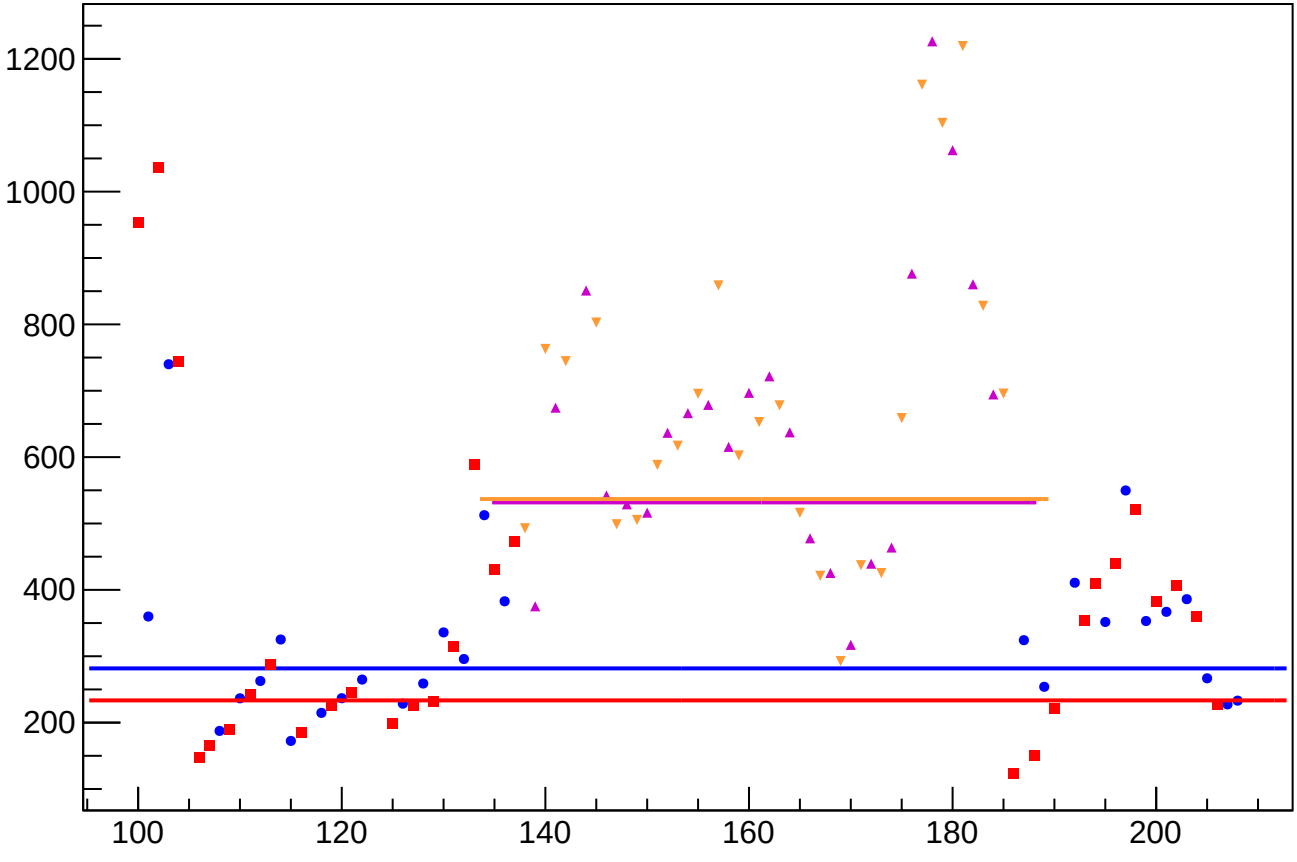
Right: 0.004+/-0.050 χ^2/NDF: 58.1/55

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.019+/-0.044 χ^2/NDF: 115.6/102

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

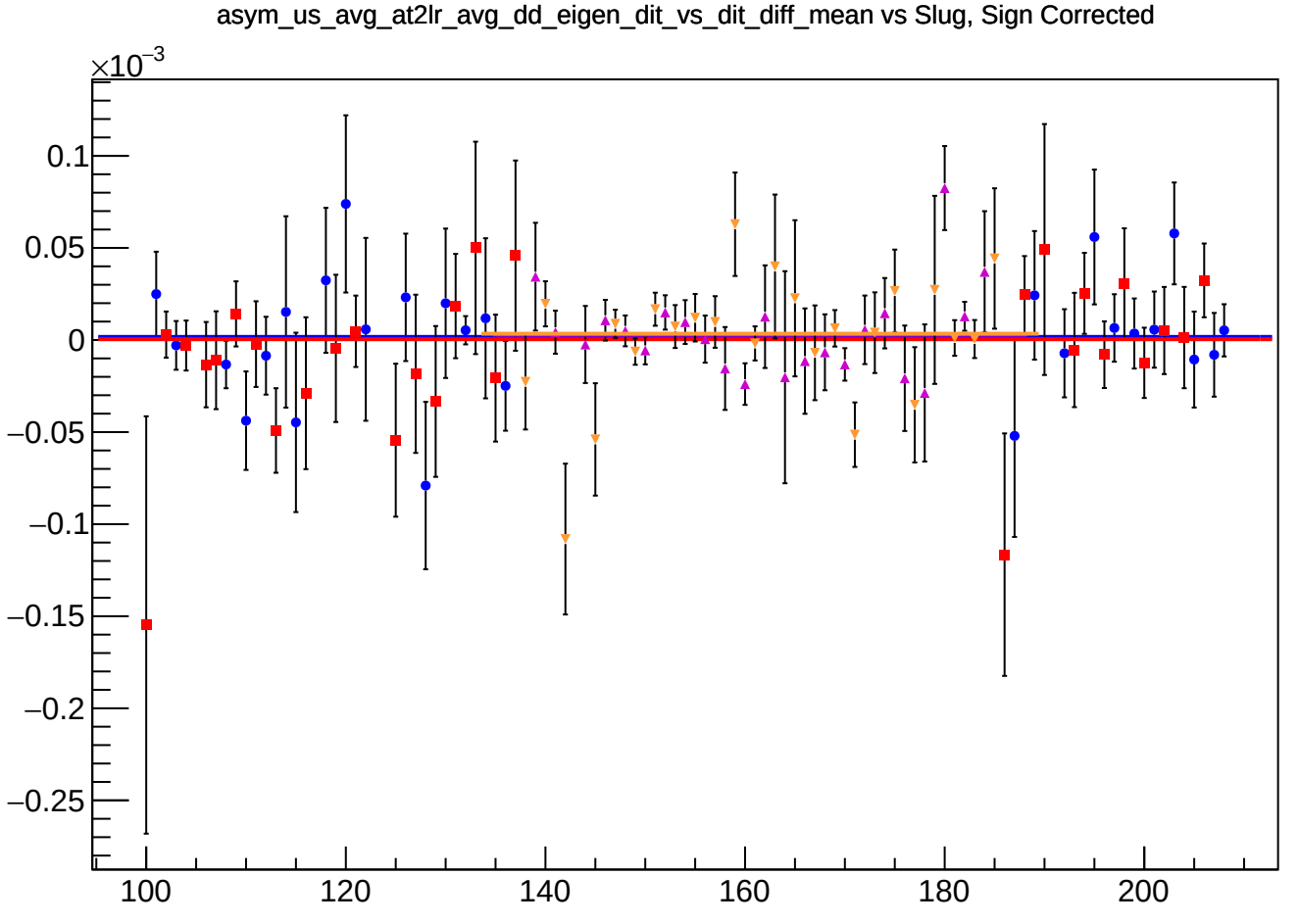
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 254.547+/-0.035 χ^2/NDF: 8066783.2/55

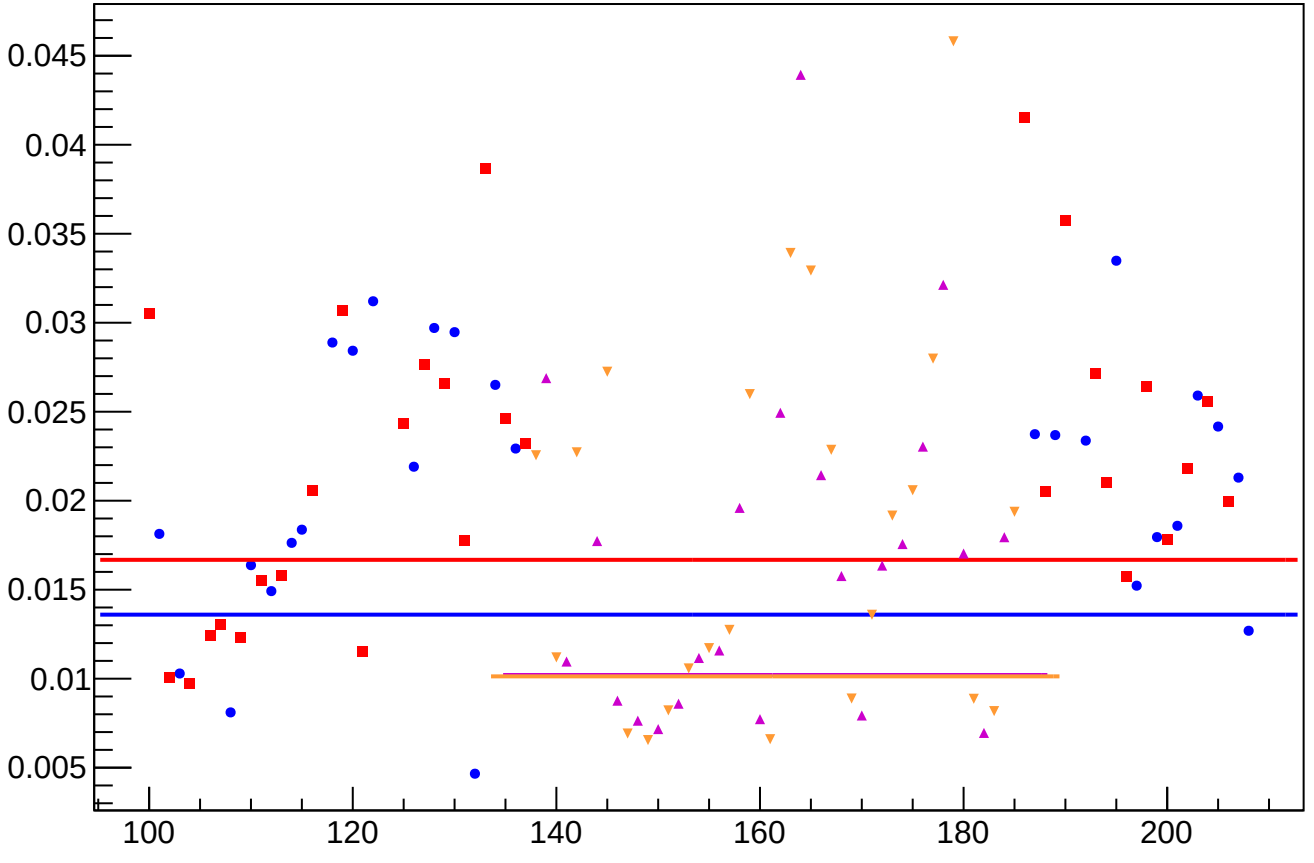
In: 343.068+/-0.046 χ^2/NDF:11181305.2/49

Out: 293.548+/-0.042 χ^2/NDF:17373839.4/52

All: 315.938+/-0.031 χ^2/NDF: 29179031.5/10


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.1/26
Left Out: 0.000+/-0.000 χ²/NDF:39.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.9/28
Left In: 0.000+/-0.000 χ²/NDF:32.2/22
Left: 0.000+/-0.000 χ²/NDF: 71.3/46
Right: 0.000+/-0.000 χ²/NDF: 47.0/55
In: 0.000+/-0.000 χ²/NDF:55.3/49
Out: 0.000+/-0.000 χ²/NDF:63.2/52
All: 0.000+/-0.000 χ²/NDF: 118.6/102

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 7581868.3/26

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.017+/-0.000 χ^2/NDF: 3890011.0/28

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

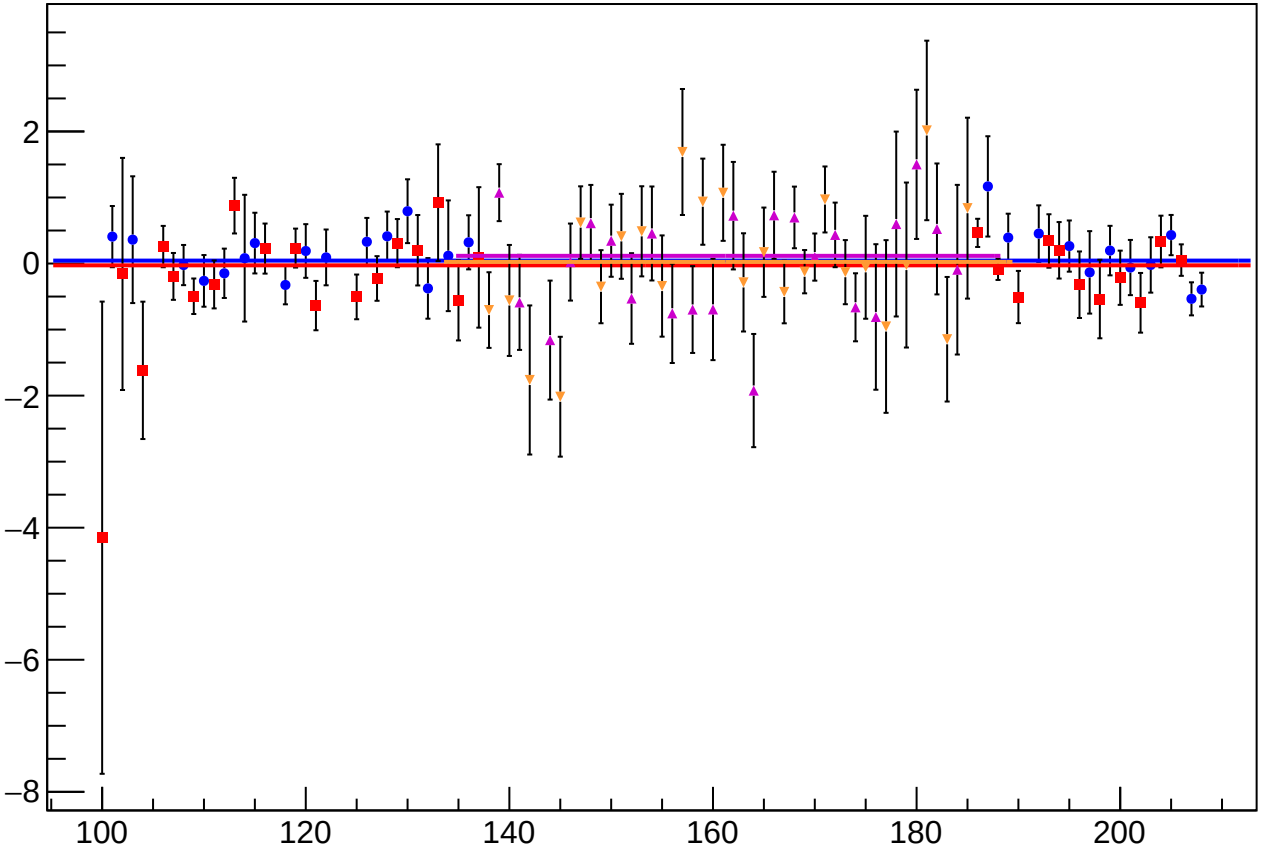
Right: 0.015+/-0.000 χ^2/NDF: 11990137.4/55

In: 0.011+/-0.000 χ^2/NDF:14622840.3/49

Out: 0.012+/-0.000 χ^2/NDF:14761705.2/52

All: 0.012+/-0.000 χ^2/NDF: 29448662.8/102

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

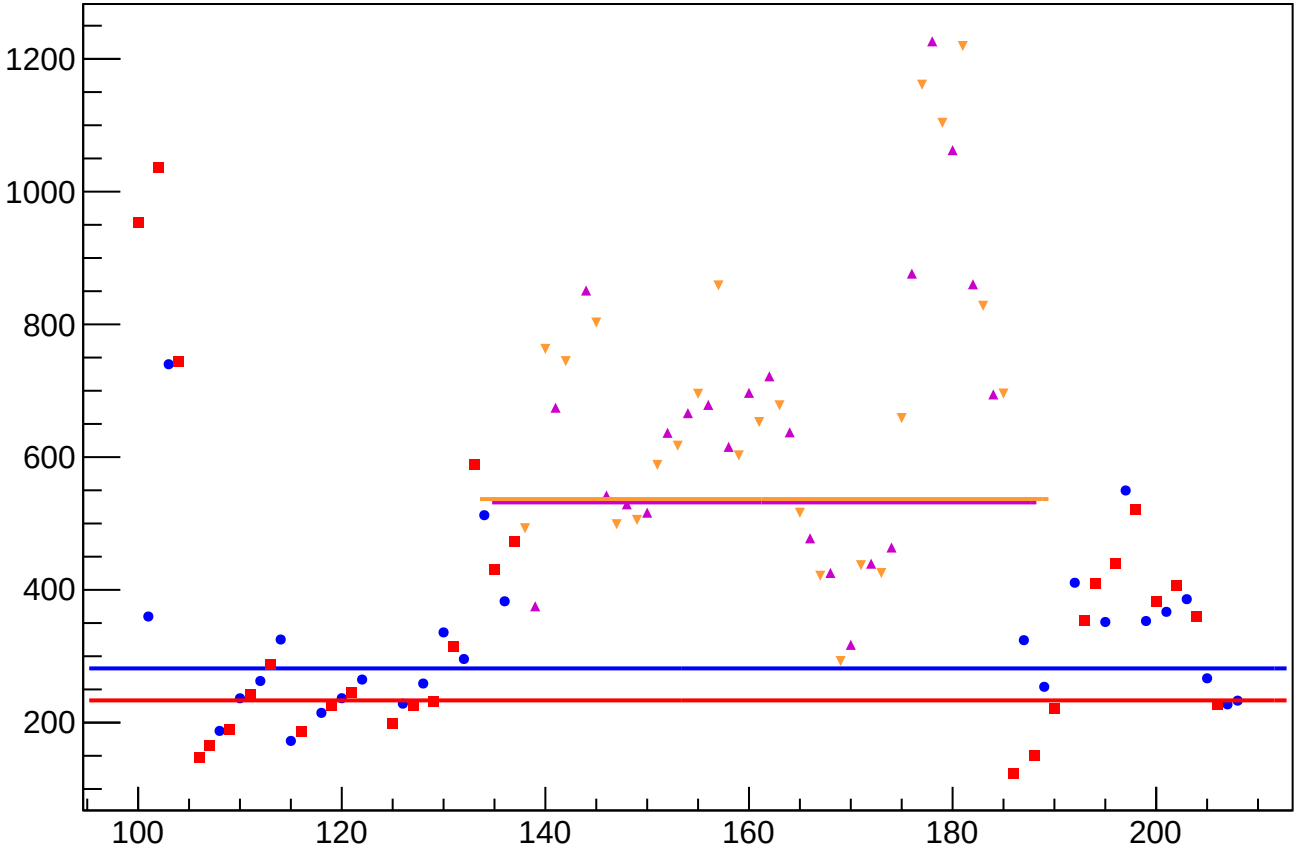
Right: 0.004+/-0.050 χ^2/NDF: 58.1/55

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.019+/-0.044 χ^2/NDF: 115.6/102

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.477+/-0.047 χ^2/NDF: 5187609.8/28

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

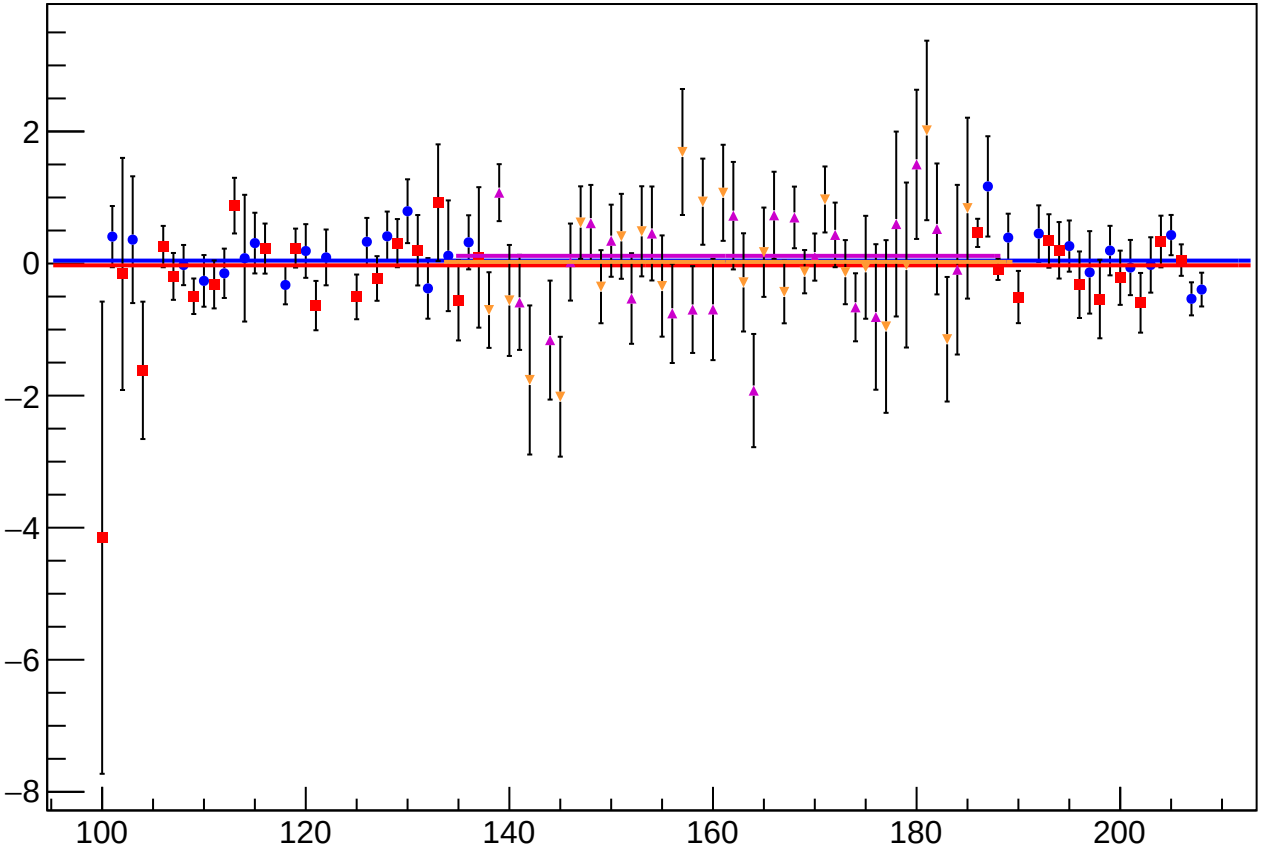
Right: 254.545+/-0.035 χ^2/NDF: 8066957.5/55

In: 343.067+/-0.046 χ^2/NDF:11181514.2/49

Out: 293.546+/-0.042 χ^2/NDF:17374296.0/52

All: 315.935+/-0.031 χ^2/NDF: 29179741.1/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

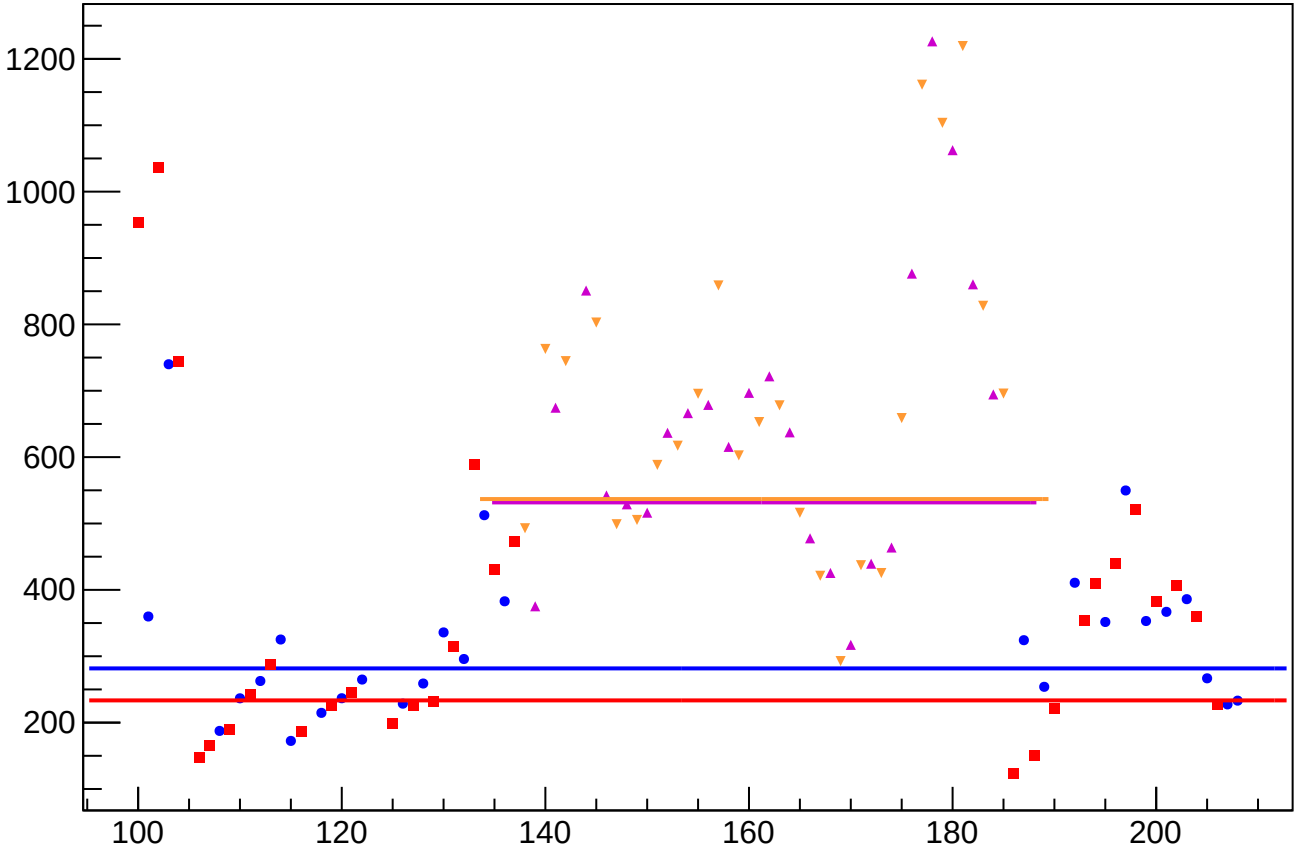
Right: 0.004+/-0.050 χ^2/NDF: 58.1/55

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.019+/-0.044 χ^2/NDF: 115.6/102

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.477+/-0.047 χ^2/NDF: 5187609.8/28

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

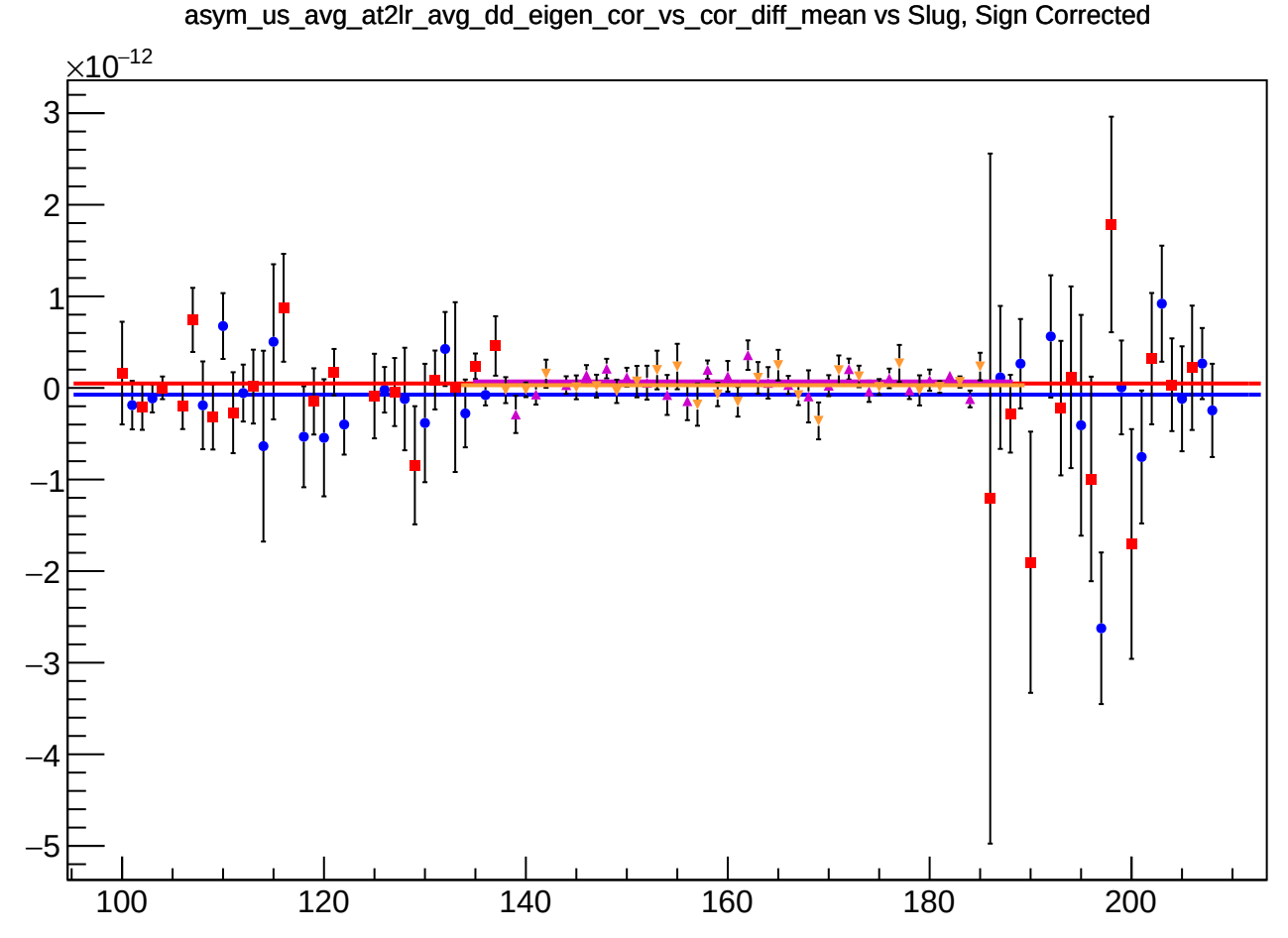
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 254.545+/-0.035 χ^2/NDF: 8066957.5/55

In: 343.067+/-0.046 χ^2/NDF:11181514.2/49

Out: 293.546+/-0.042 χ^2/NDF:17374296.0/52

All: 315.935+/-0.031 χ^2/NDF: 29179741.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

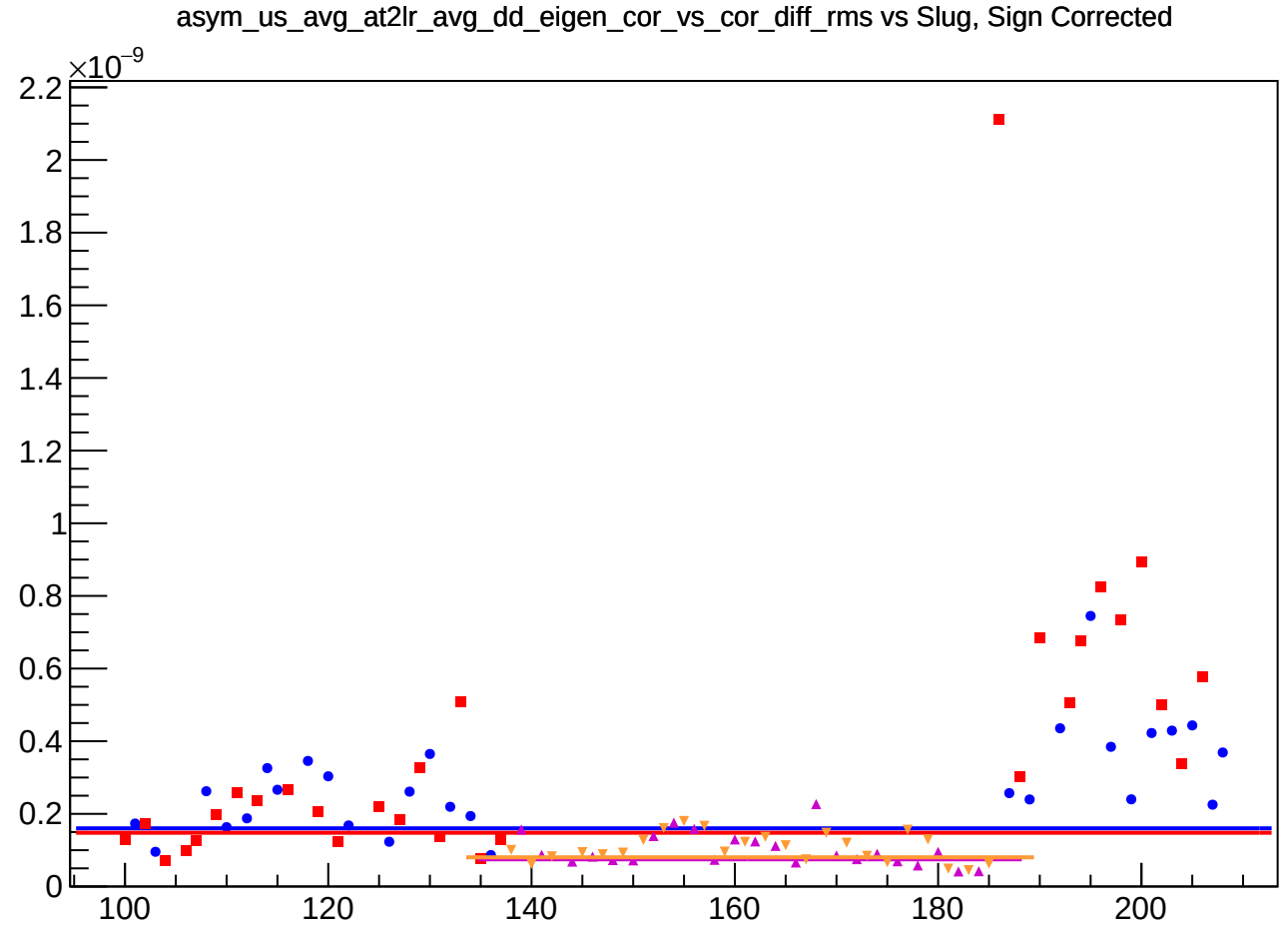
Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

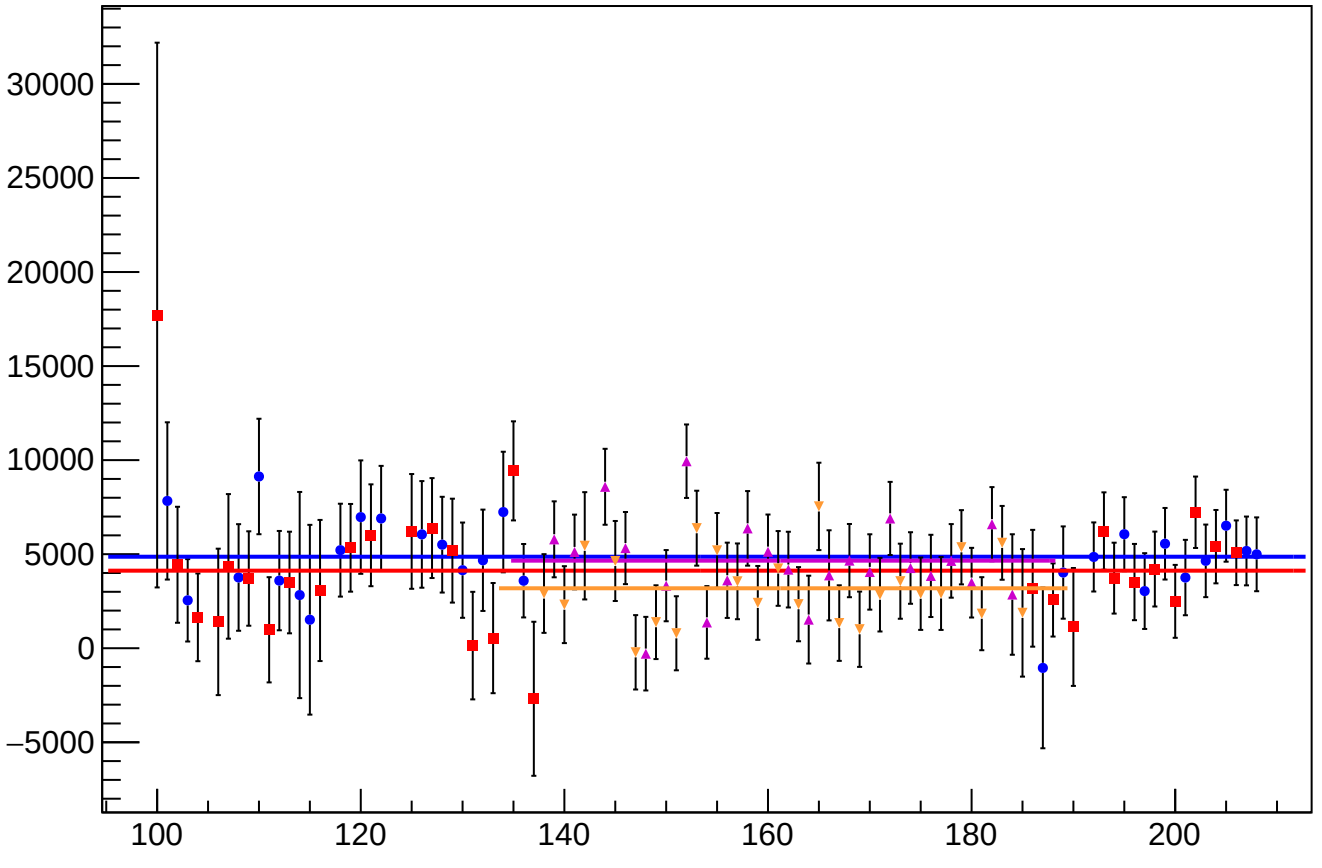
Right: -0.000+/-0.000 χ^2/NDF: 50.6/55

In: 0.000+/-0.000 χ^2/NDF:52.8/49

Out: 0.000+/-0.000 χ^2/NDF:41.5/52

All: 0.000+/-0.000 χ^2/NDF: 94.8/102


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4687069.4/26
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 7961835.3/28
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
Left: 0.000+/-0.000 χ²/NDF: 7451186.8/46
Right: 0.000+/-0.000 χ²/NDF: 12686066.0/55
In: 0.000+/-0.000 χ²/NDF:11467577.5/49
Out: 0.000+/-0.000 χ²/NDF:13748968.6/52
All: 0.000+/-0.000 χ²/NDF: 25261325.4/102



Right In: 4864.530+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 4123.232+/-461.542 χ^2/NDF: 23.3/28

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

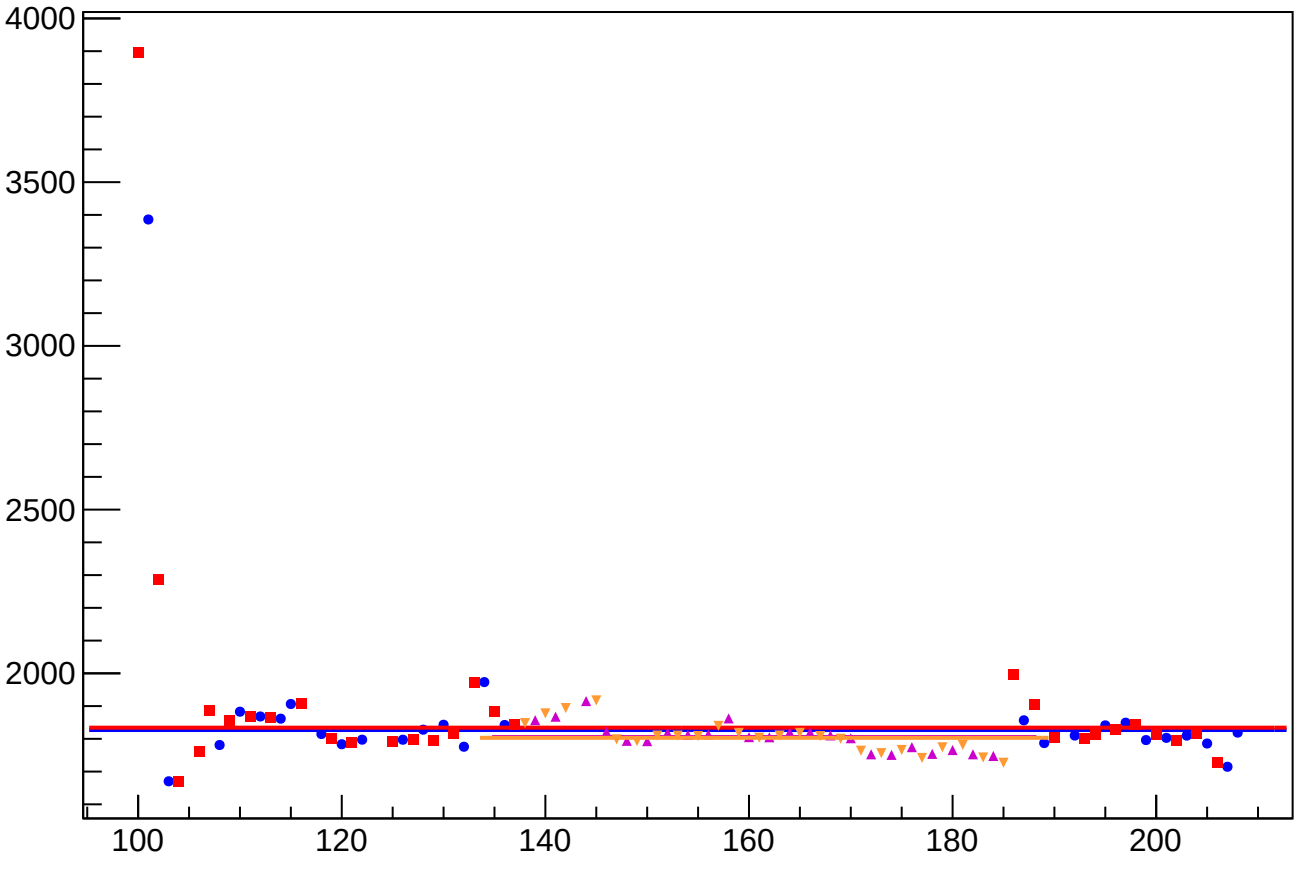
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4493.941+/-326.333 χ^2/NDF: 35.8/55

In: 4750.459+/-311.295 χ^2/NDF:39.1/49

Out: 3609.635+/-310.075 χ^2/NDF:45.4/52

All: 4177.808+/-219.686 χ^2/NDF: 91.2/102



Right In: 1826.927+/-0.326 χ^2/NDF: 307272.7/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.126+/-0.326 χ^2/NDF: 121393.7/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

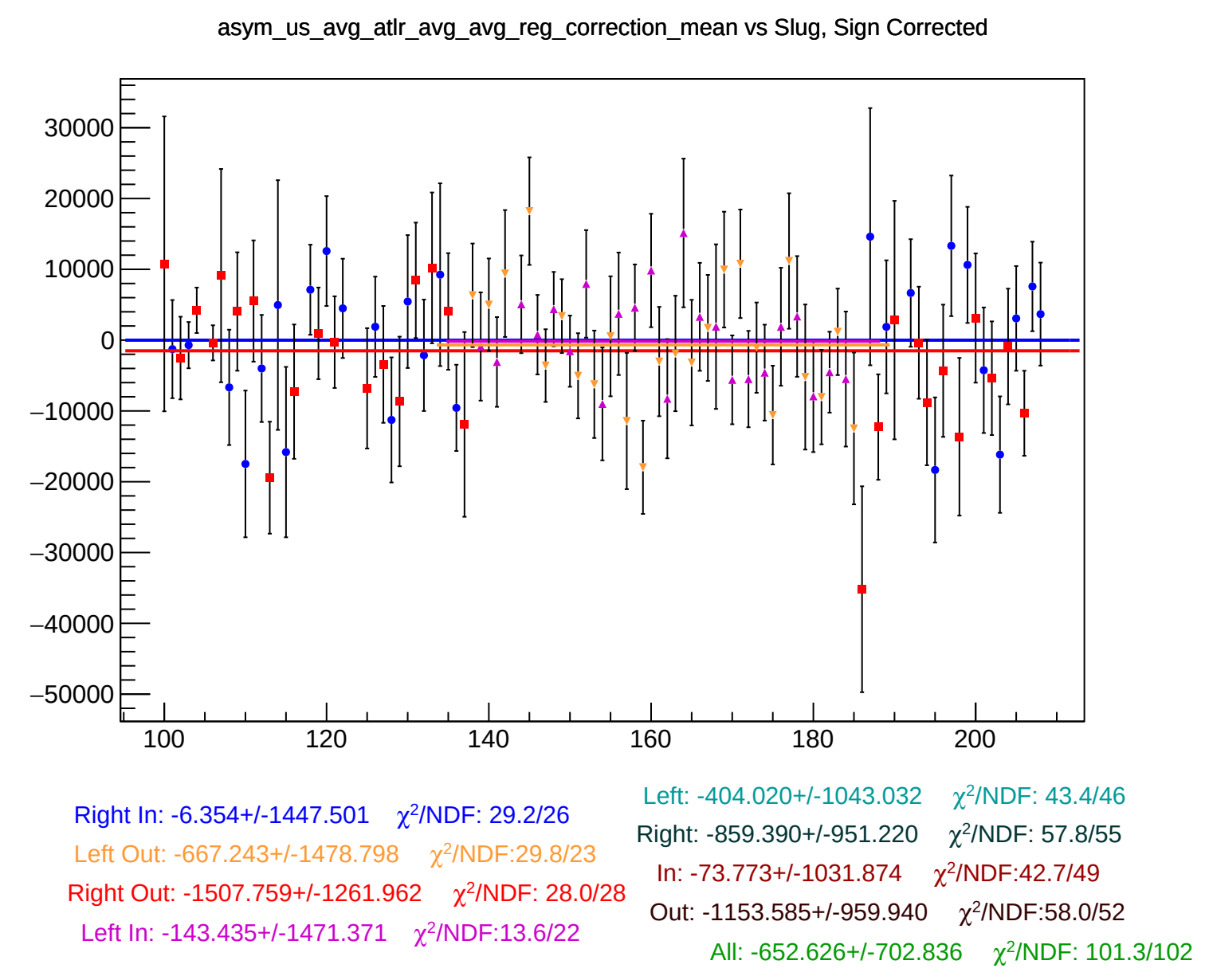
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.531+/-0.231 χ^2/NDF: 428910.1/55

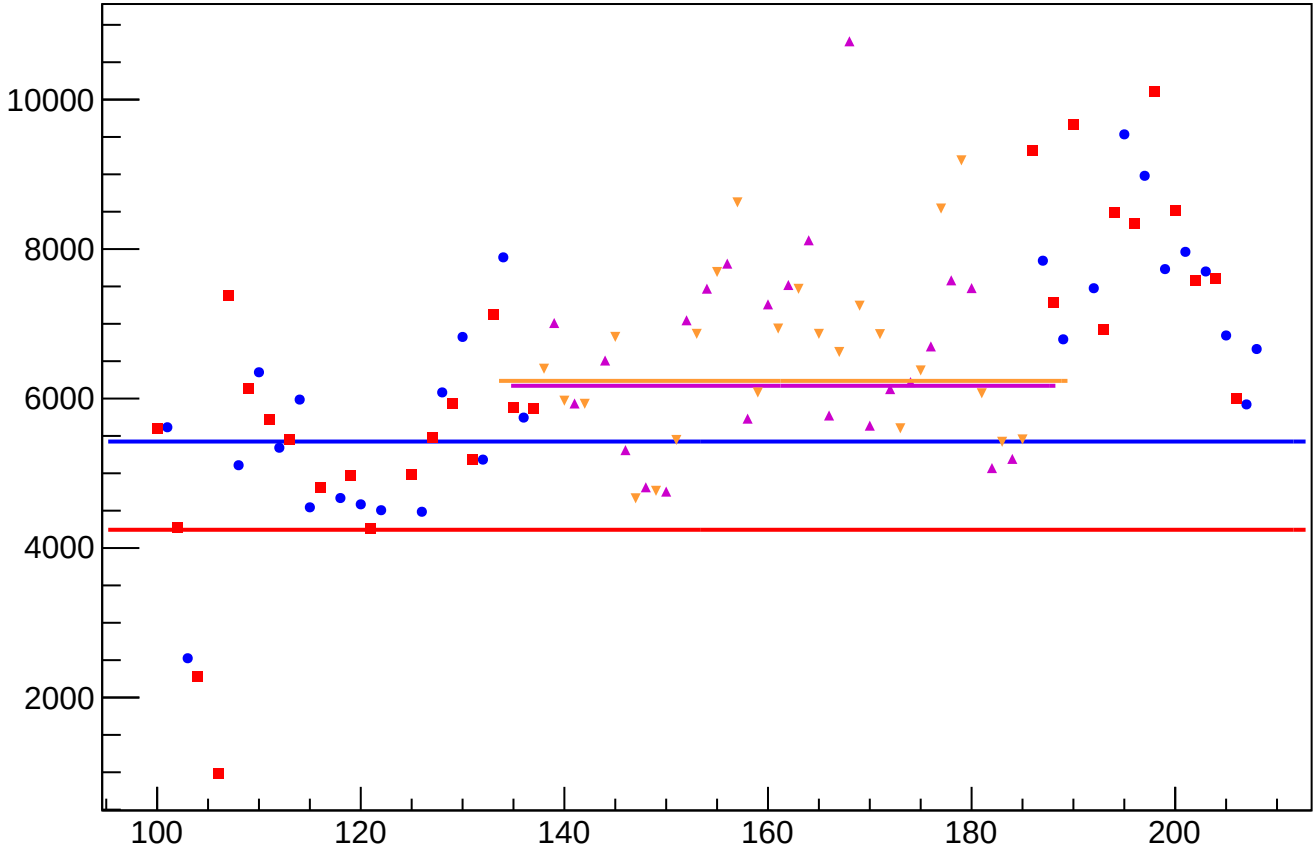
In: 1815.282+/-0.220 χ^2/NDF:328924.3/49

Out: 1817.132+/-0.219 χ^2/NDF:146996.1/52

All: 1816.211+/-0.155 χ^2/NDF: 475955.9/102


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -6.354+/-1447.501 χ²/NDF: 29.2/26
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -1507.759+/-1261.962 χ²/NDF: 28.0/28
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -859.390+/-951.220 χ²/NDF: 57.8/55
In: -73.773+/-1031.874 χ²/NDF:42.7/49
Out: -1153.585+/-959.940 χ²/NDF:58.0/52
All: -652.626+/-702.836 χ²/NDF: 101.3/102

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5424.955+/-1.024 χ^2/NDF: 3286574.4/26

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4244.329+/-0.892 χ^2/NDF: 8656058.0/28

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

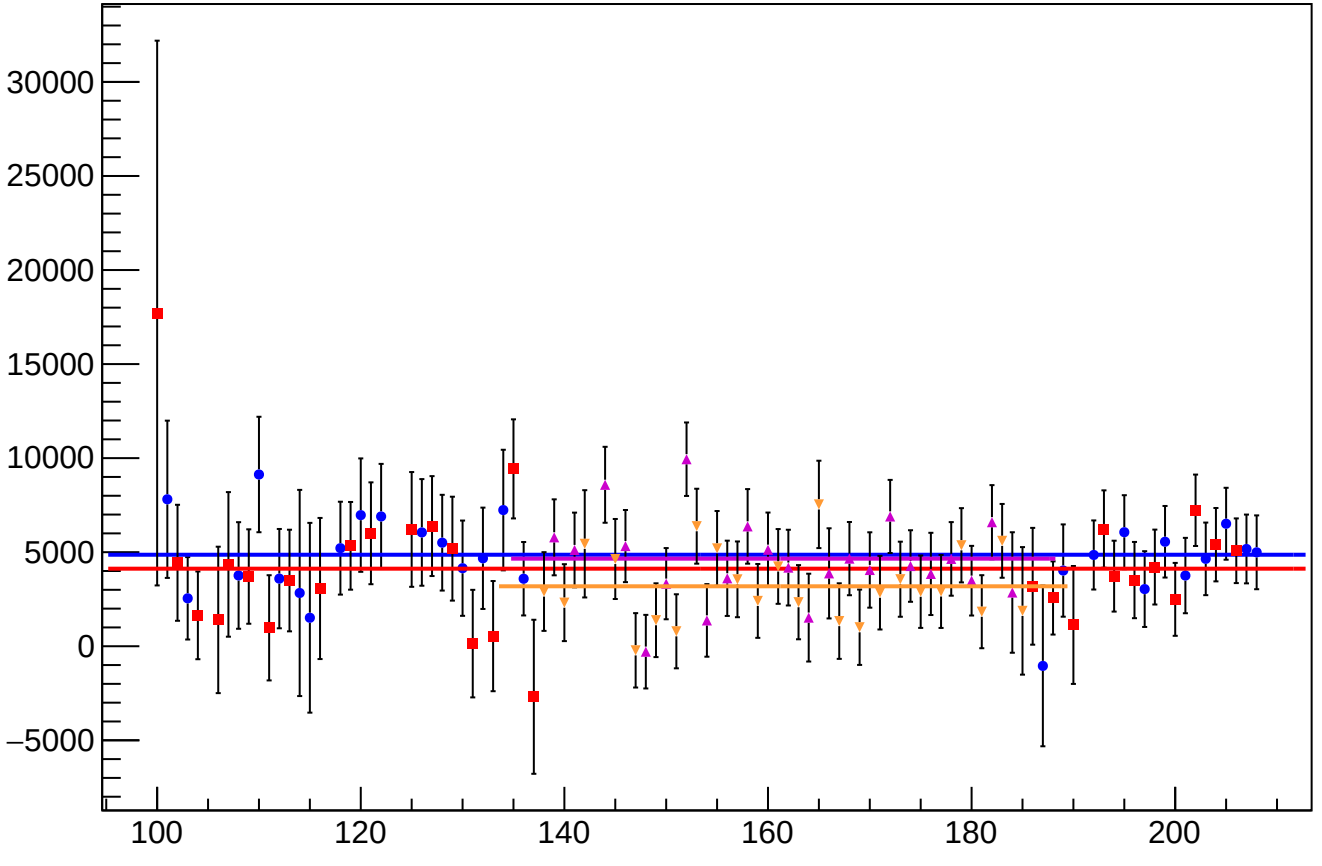
Right: 4754.172+/-0.673 χ^2/NDF: 12698570.3/55

In: 5791.774+/-0.730 χ^2/NDF:4785277.7/49

Out: 5083.841+/-0.679 χ^2/NDF:11824207.0/52

All: 5412.274+/-0.497 χ^2/NDF: 17114124.2/

cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4123.112+/-461.542 χ^2/NDF: 23.3/28

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

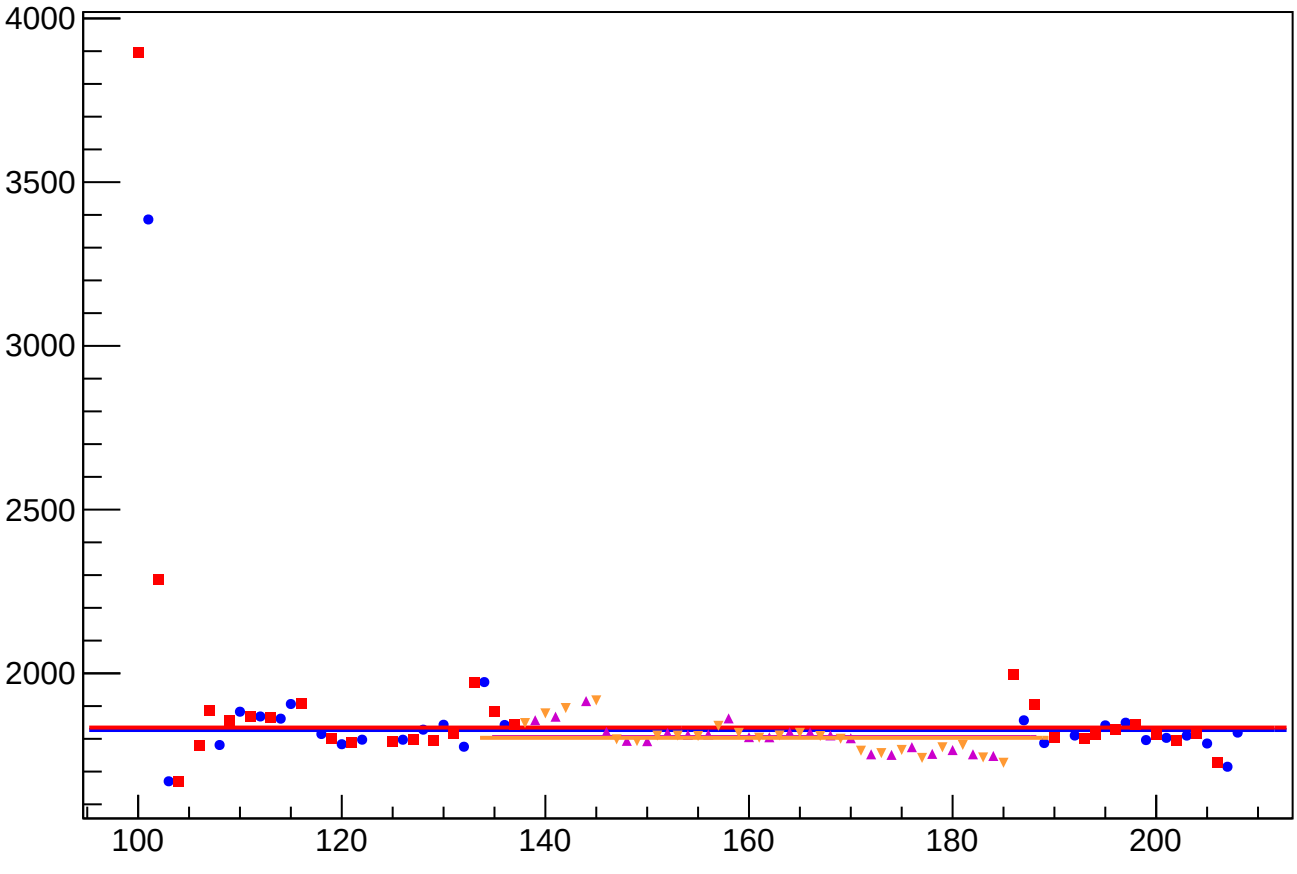
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4493.790+/-326.333 χ^2/NDF: 35.8/55

In: 4750.387+/-311.295 χ^2/NDF:39.1/49

Out: 3609.543+/-310.075 χ^2/NDF:45.4/52

All: 4177.725+/-219.686 χ^2/NDF: 91.2/102



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

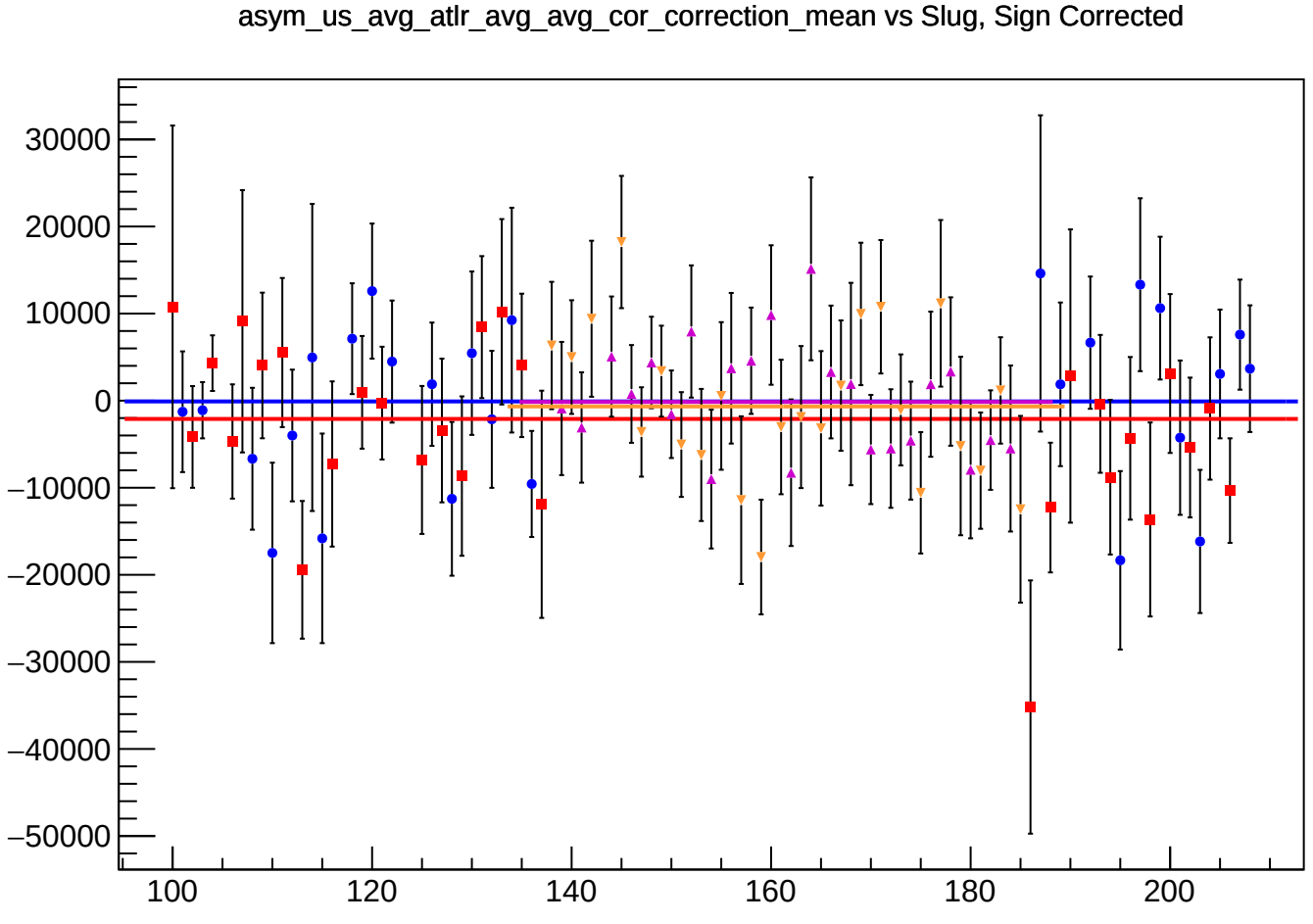
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.684+/-0.231 χ^2/NDF: 428576.5/55

In: 1815.282+/-0.220 χ^2/NDF:328926.1/49

Out: 1817.269+/-0.219 χ^2/NDF:146737.2/52

All: 1816.280+/-0.155 χ^2/NDF: 475704.3/102



Right In: -88.926+/-1444.013 χ^2/NDF: 29.2/26

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -2098.284+/-1429.004 χ^2/NDF: 28.2/28

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

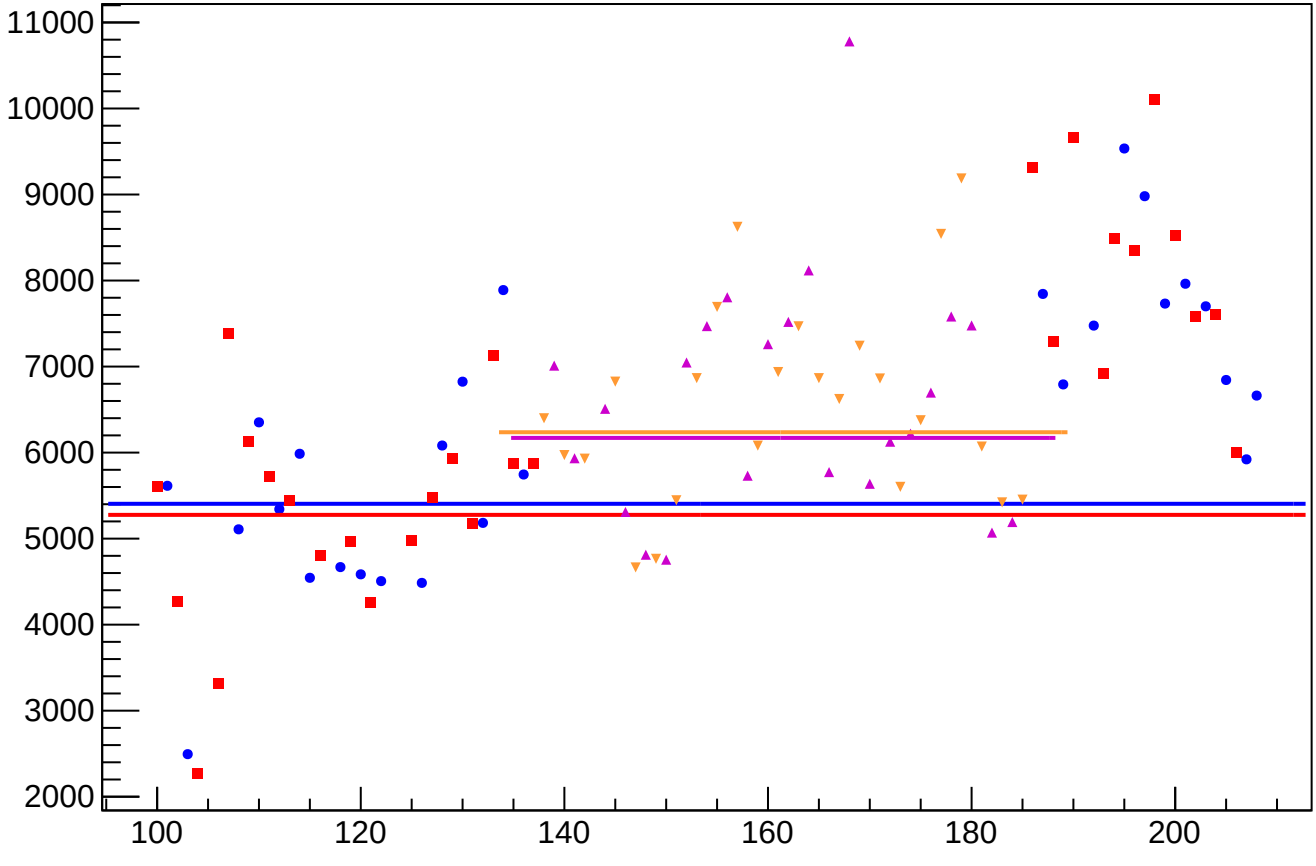
Right: -1104.102+/-1015.723 χ^2/NDF: 58.4/55

In: -115.637+/-1030.608 χ^2/NDF:42.8/49

Out: -1407.263+/-1027.611 χ^2/NDF:58.5/52

All: -763.330+/-727.688 χ^2/NDF: 102.1/102

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

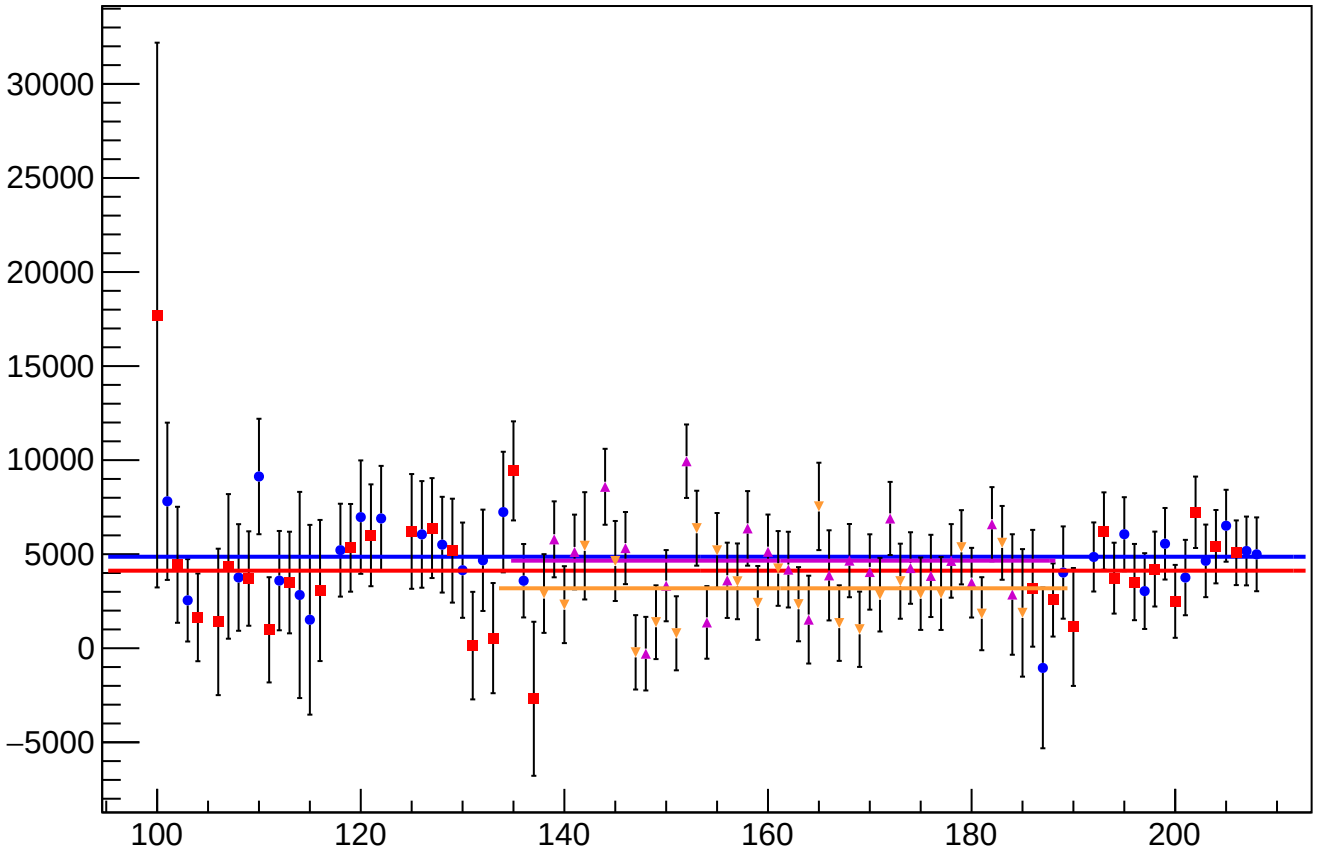
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5339.796+/-0.718 χ^2/NDF: 7578278.8/55

In: 5780.618+/-0.729 χ^2/NDF:4872967.9/49

Out: 5739.931+/-0.727 χ^2/NDF:5714933.9/52

All: 5760.216+/-0.515 χ^2/NDF: 10589465.0/1



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4123.112+/-461.542 χ^2/NDF: 23.3/28

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

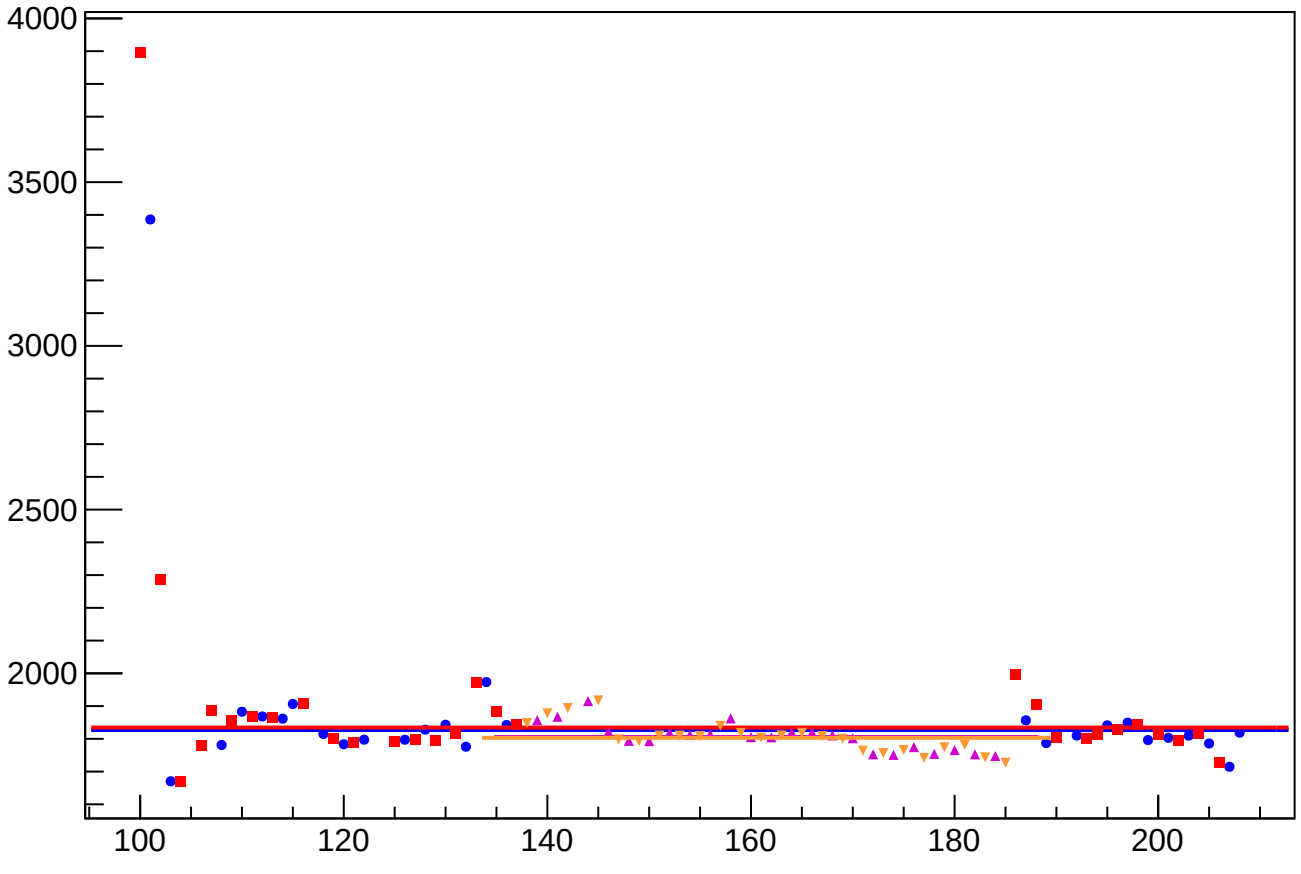
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4493.790+/-326.333 χ^2/NDF: 35.8/55

In: 4750.387+/-311.295 χ^2/NDF:39.1/49

Out: 3609.543+/-310.075 χ^2/NDF:45.4/52

All: 4177.725+/-219.686 χ^2/NDF: 91.2/102



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

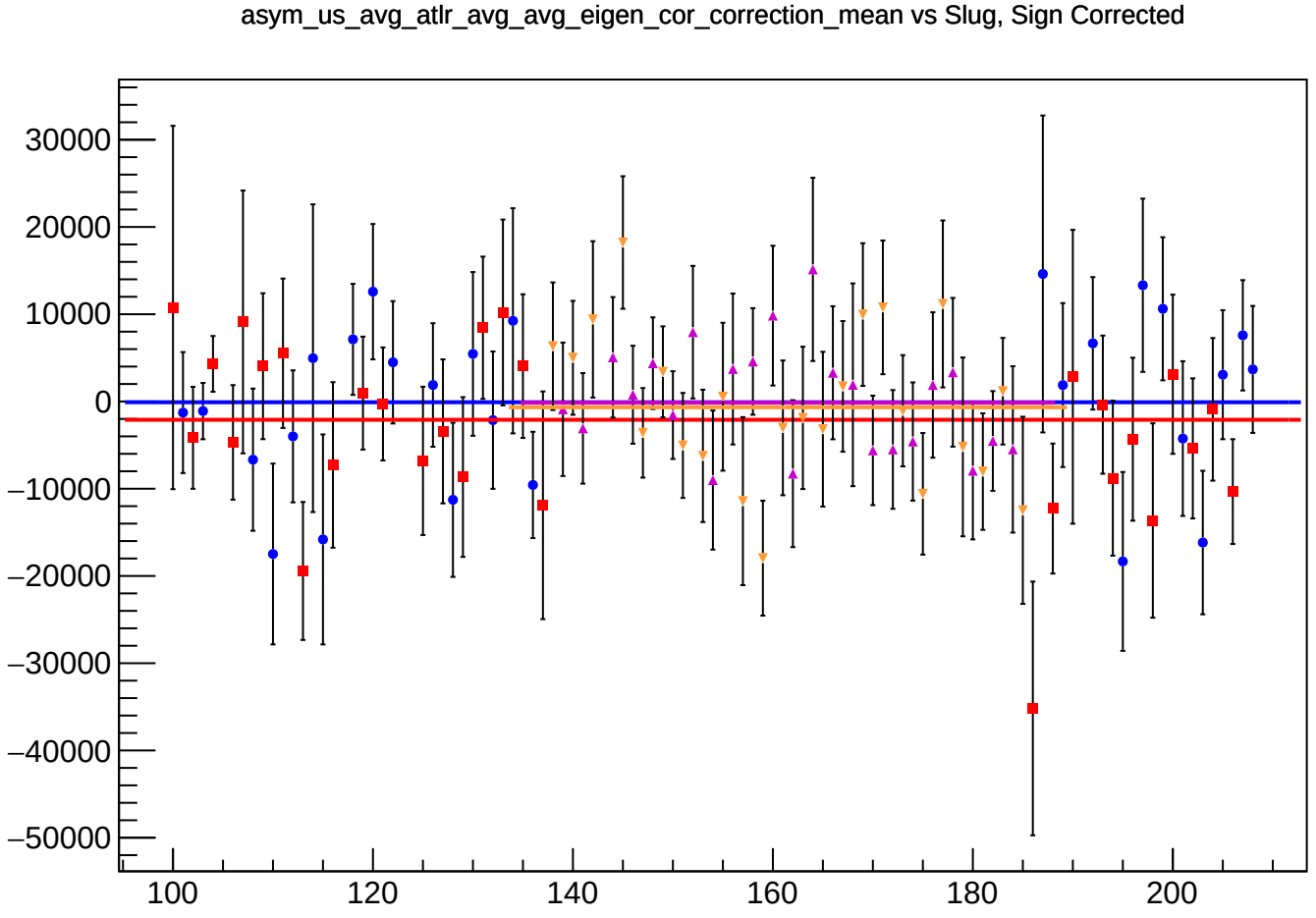
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.684+/-0.231 χ^2/NDF: 428576.5/55

In: 1815.282+/-0.220 χ^2/NDF:328926.1/49

Out: 1817.269+/-0.219 χ^2/NDF:146737.2/52

All: 1816.280+/-0.155 χ^2/NDF: 475704.3/102



Right In: -88.926+/-1444.013 χ^2/NDF: 29.2/26

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -2098.284+/-1429.004 χ^2/NDF: 28.2/28

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

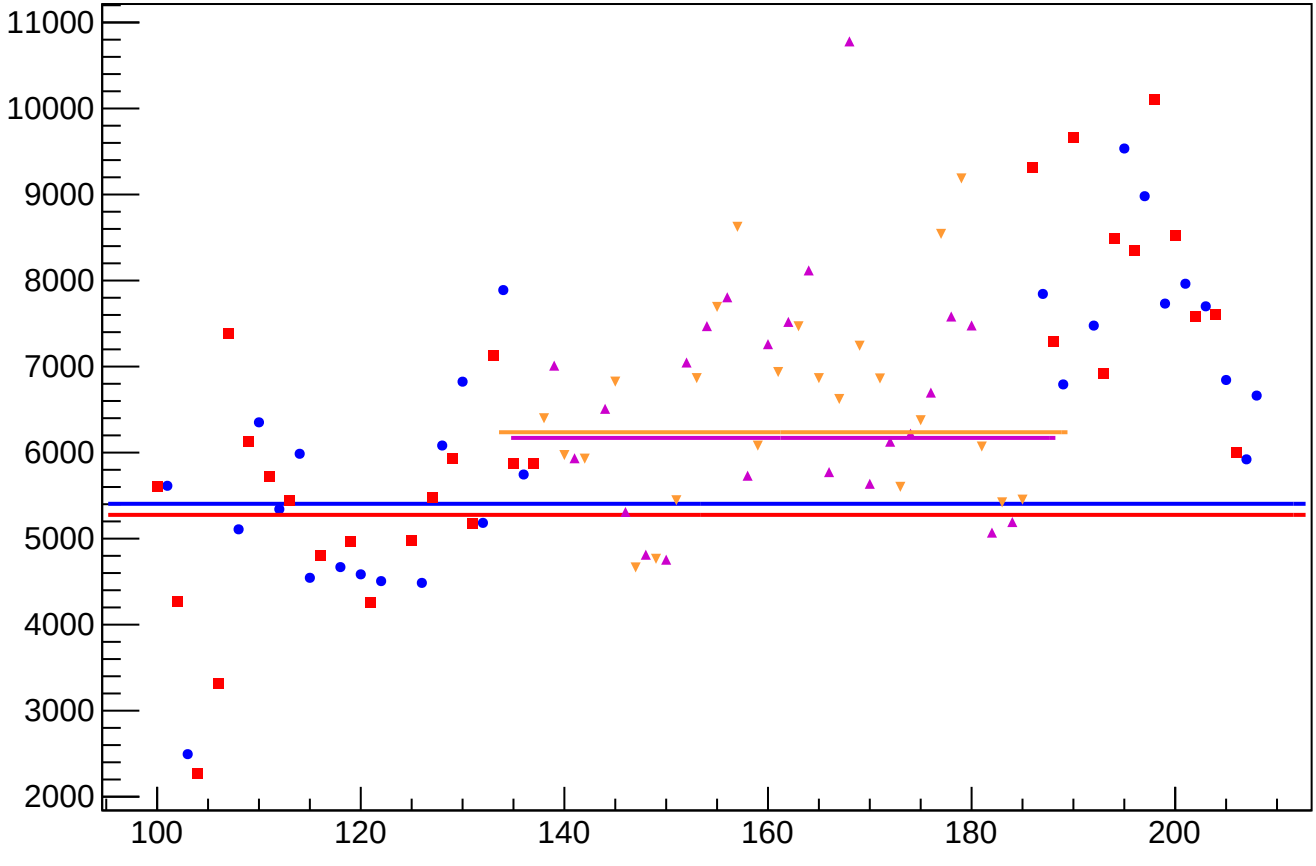
Right: -1104.102+/-1015.723 χ^2/NDF: 58.4/55

In: -115.637+/-1030.608 χ^2/NDF:42.8/49

Out: -1407.263+/-1027.611 χ^2/NDF:58.5/52

All: -763.330+/-727.688 χ^2/NDF: 102.1/102

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

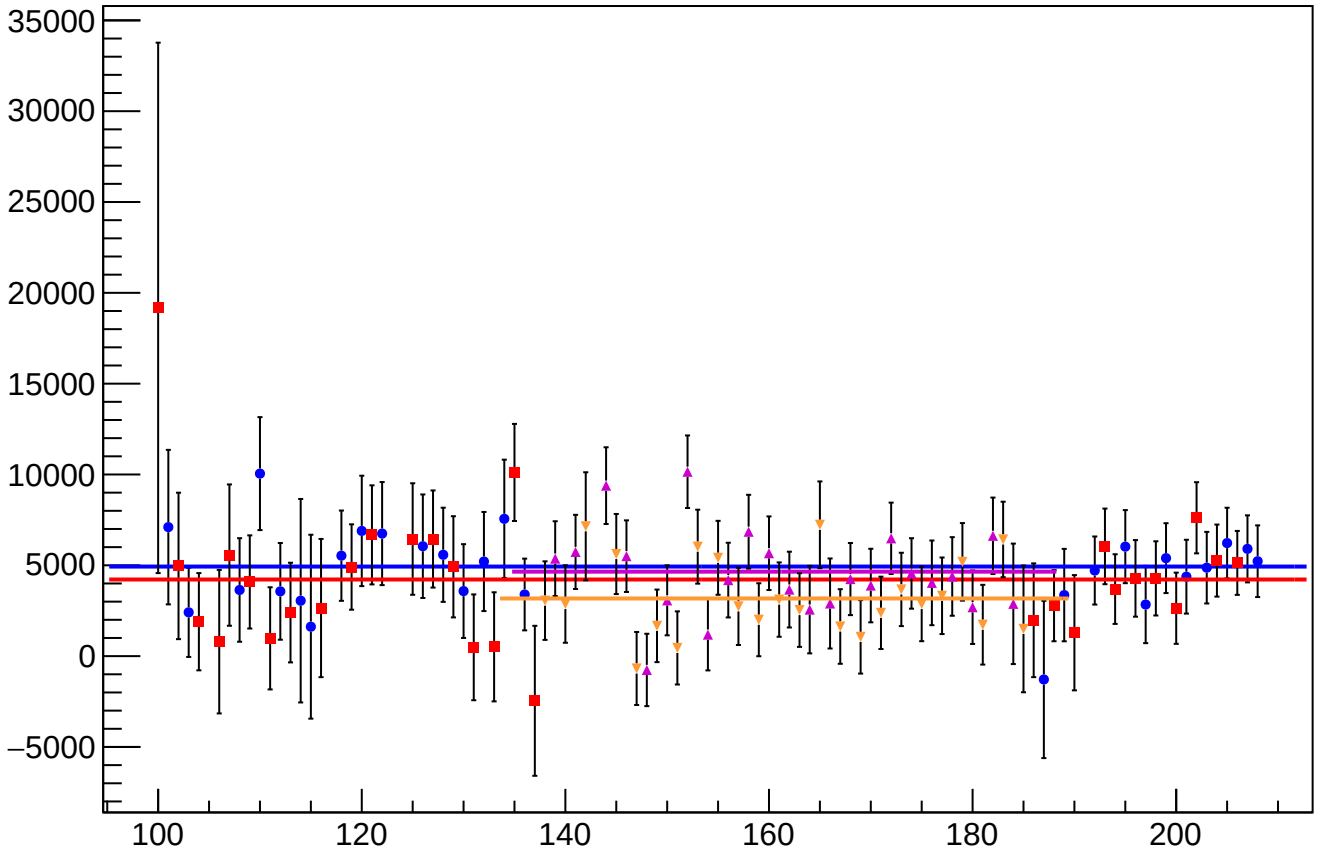
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5339.796+/-0.718 χ^2/NDF: 7578278.8/55

In: 5780.618+/-0.729 χ^2/NDF:4872967.9/49

Out: 5739.931+/-0.727 χ^2/NDF:5714933.9/52

All: 5760.216+/-0.515 χ^2/NDF: 10589465.0/1



Right In: 4931.051+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4218.577+/-473.406 χ^2/NDF: 24.4/28

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

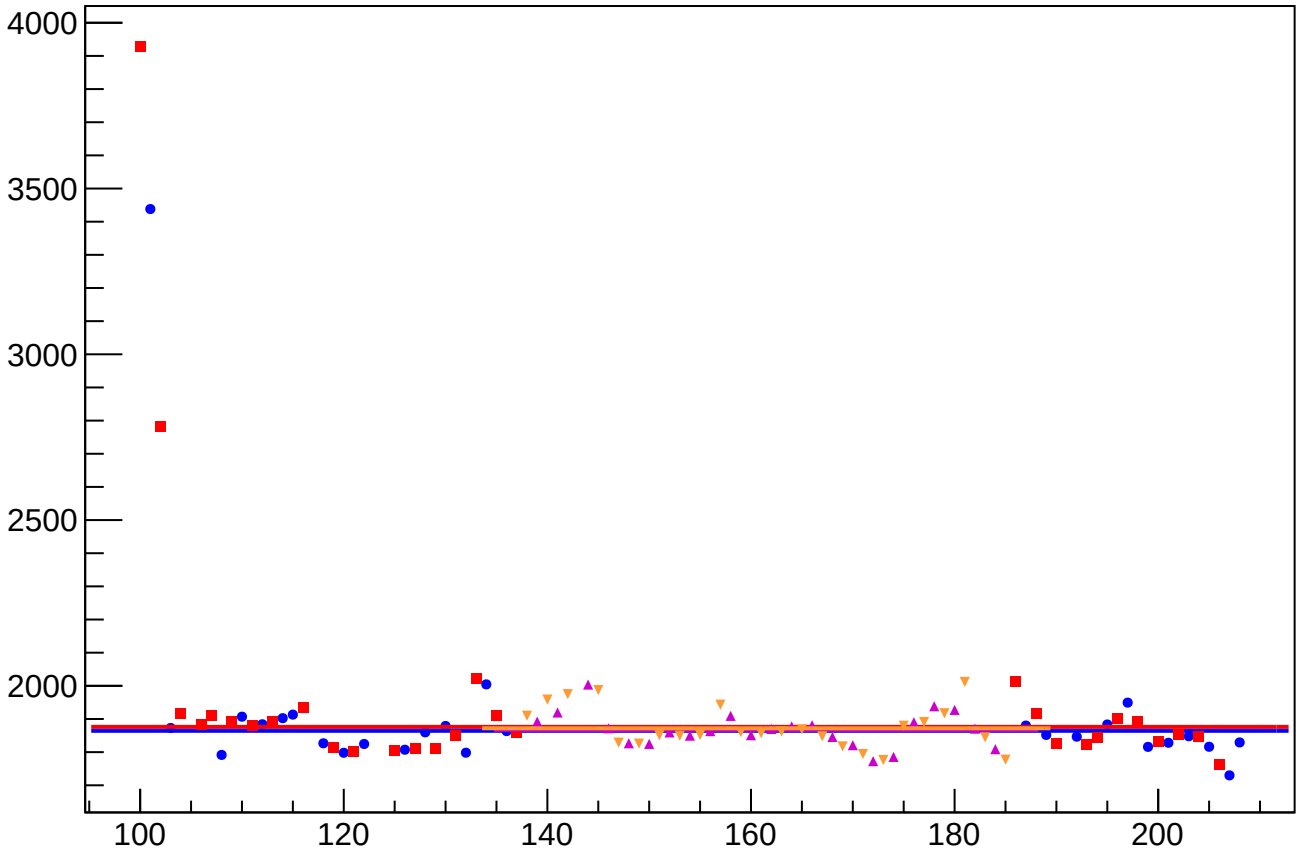
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4576.593+/-333.912 χ^2/NDF: 37.8/55

In: 4779.994+/-320.051 χ^2/NDF:43.0/49

Out: 3652.282+/-320.236 χ^2/NDF:48.6/52

All: 4216.464+/-226.375 χ^2/NDF: 97.8/102



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1876.220+/-0.335 χ^2/NDF: 170460.6/28

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

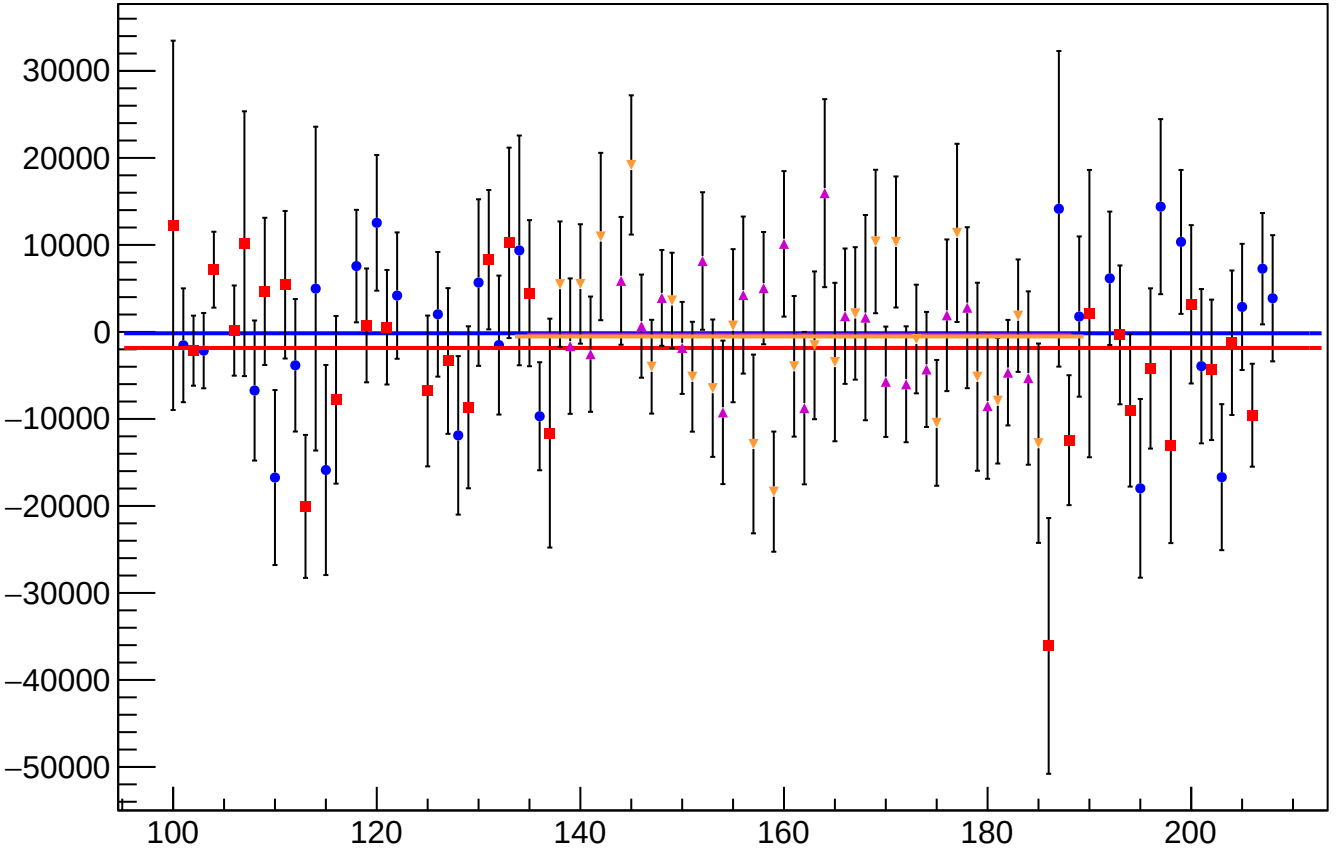
Right: 1870.286+/-0.236 χ^2/NDF: 472683.0/55

In: 1865.845+/-0.226 χ^2/NDF:328877.4/49

Out: 1873.921+/-0.226 χ^2/NDF:207702.5/52

All: 1869.881+/-0.160 χ^2/NDF: 537216.5/102

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -154.627+/-1519.037 χ^2/NDF: 29.1/26

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1843.914+/-1434.270 χ^2/NDF: 28.6/28

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

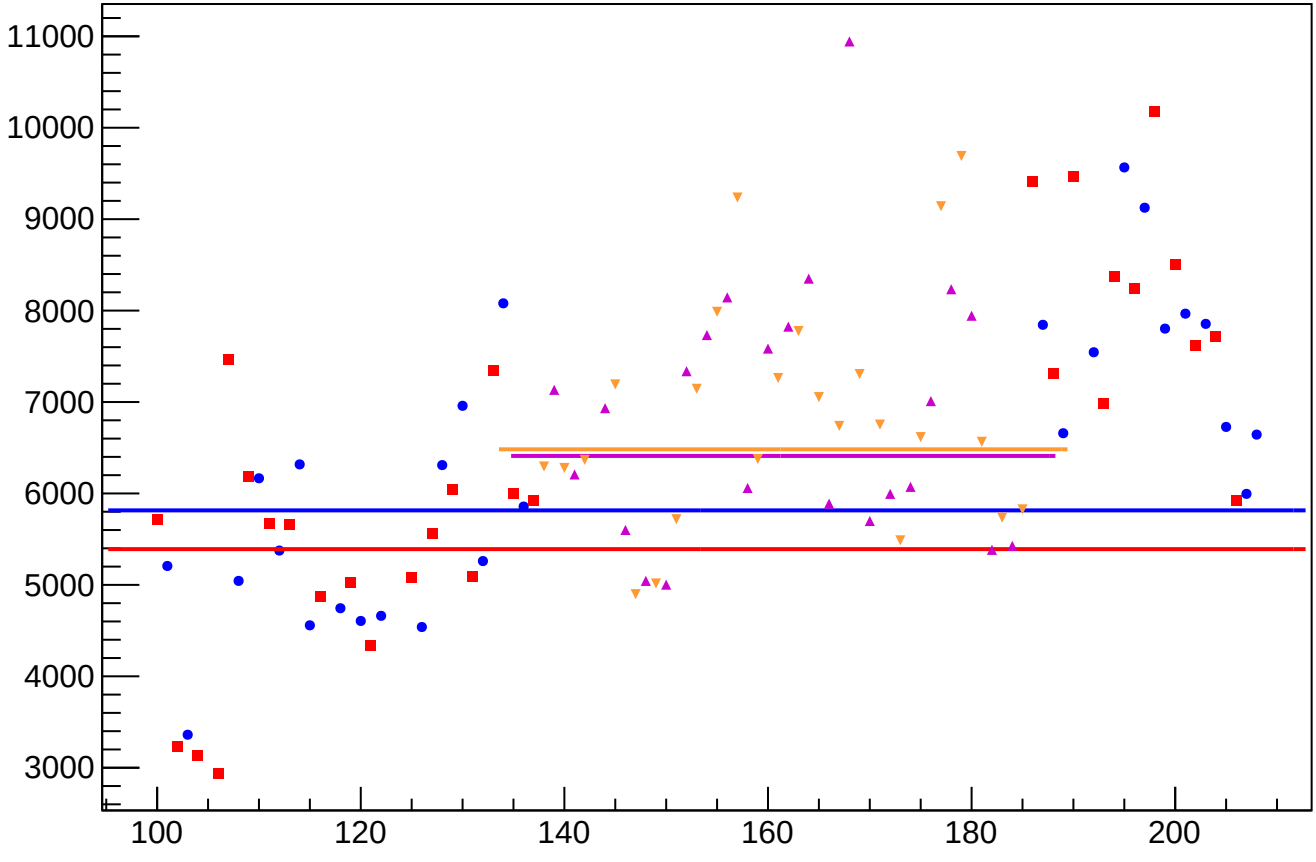
Right: -1047.717+/-1042.862 χ^2/NDF: 58.3/55

In: -239.126+/-1077.274 χ^2/NDF:42.5/49

Out: -1227.705+/-1048.552 χ^2/NDF:58.2/52

All: -746.770+/-751.387 χ^2/NDF: 101.1/102

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5814.958+/-1.074 χ^2/NDF: 2067998.9/26

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5391.117+/-1.014 χ^2/NDF: 3607200.6/28

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

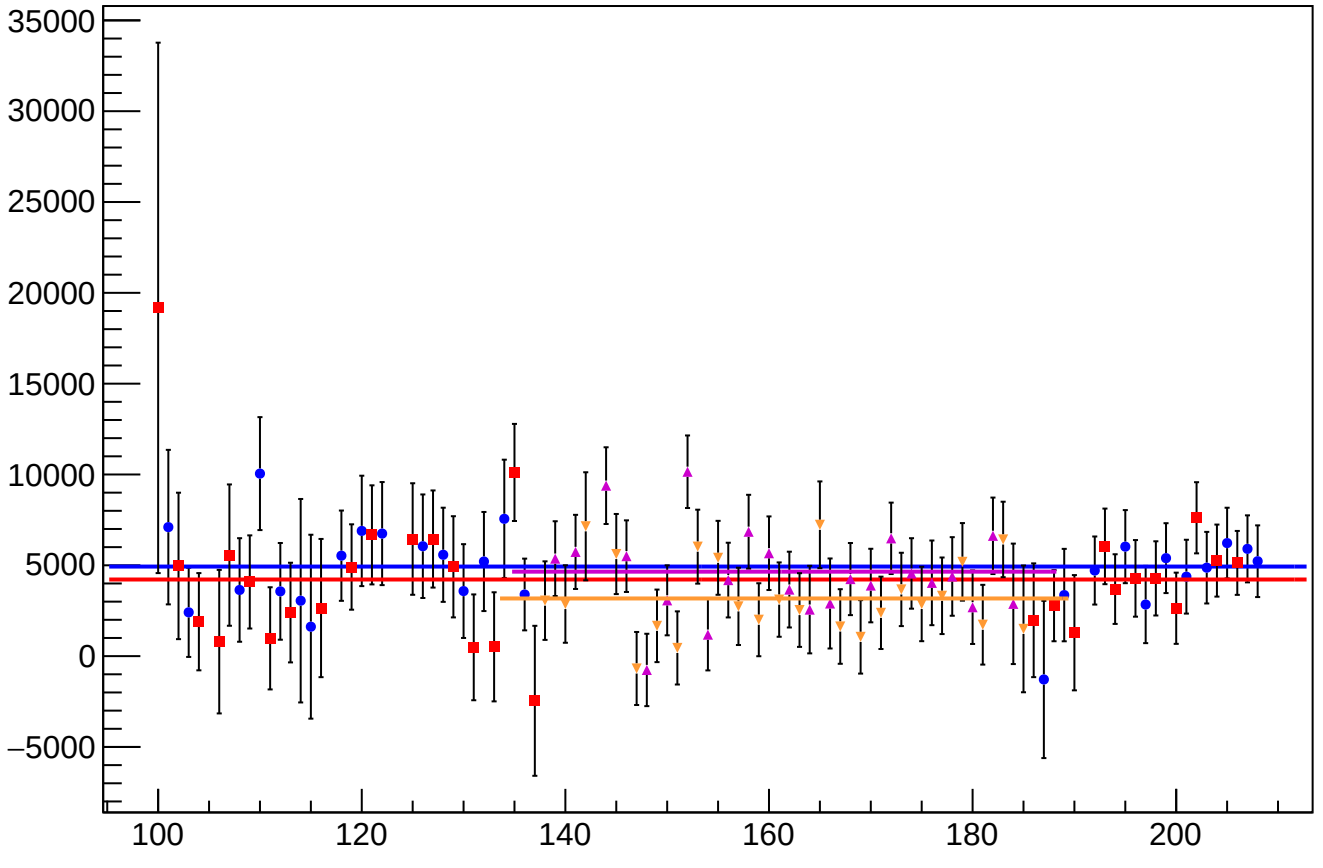
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5590.883+/-0.737 χ^2/NDF: 5757516.6/55

In: 6110.938+/-0.762 χ^2/NDF:3440588.7/49

Out: 5899.303+/-0.741 χ^2/NDF:5221120.8/52

All: 6002.262+/-0.531 χ^2/NDF: 8701346.3/10



Right In: 4931.048+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4218.571+/-473.406 χ^2/NDF: 24.4/28

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

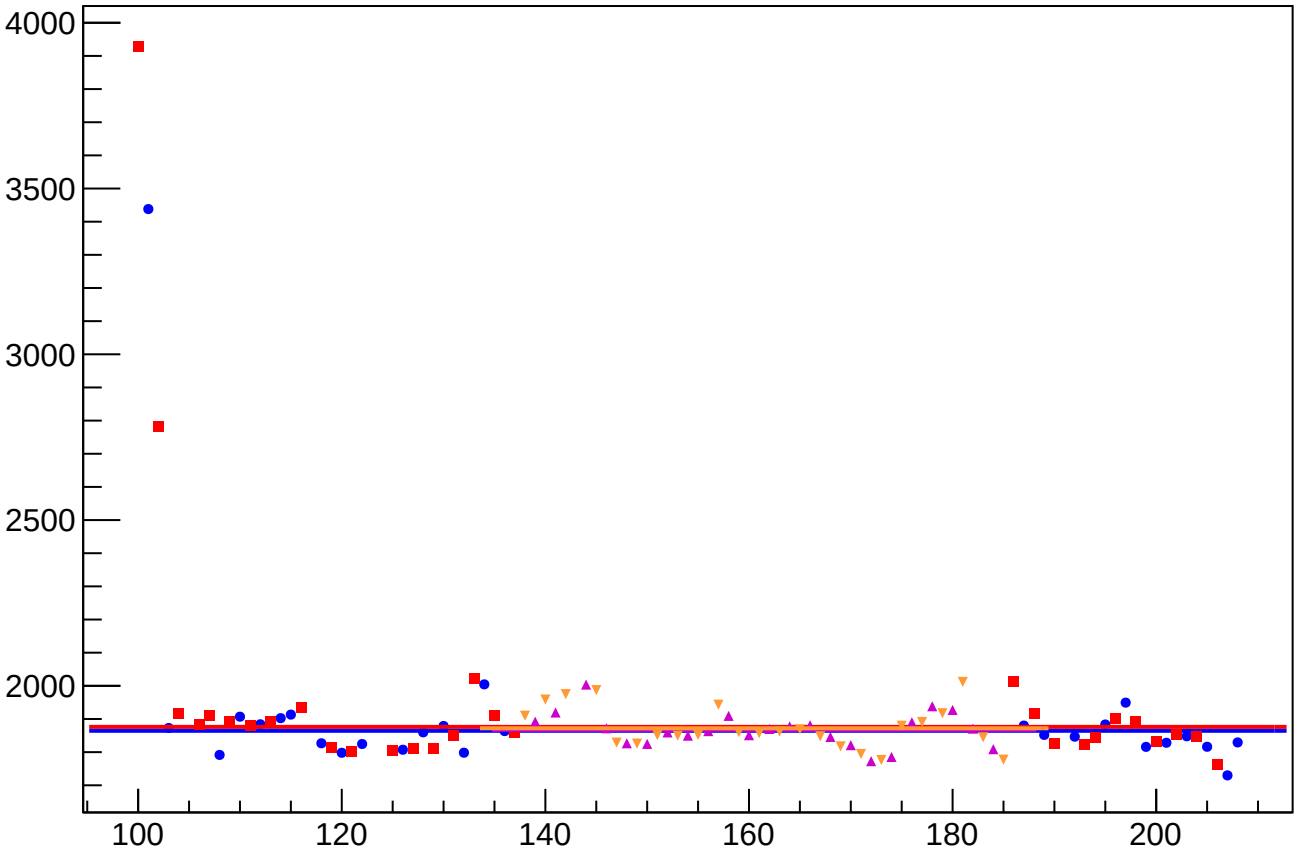
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4576.588+/-333.912 χ^2/NDF: 37.8/55

In: 4779.993+/-320.051 χ^2/NDF:43.0/49

Out: 3652.276+/-320.236 χ^2/NDF:48.6/52

All: 4216.461+/-226.375 χ^2/NDF: 97.8/102



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1876.220+/-0.335 χ^2/NDF: 170459.7/28

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

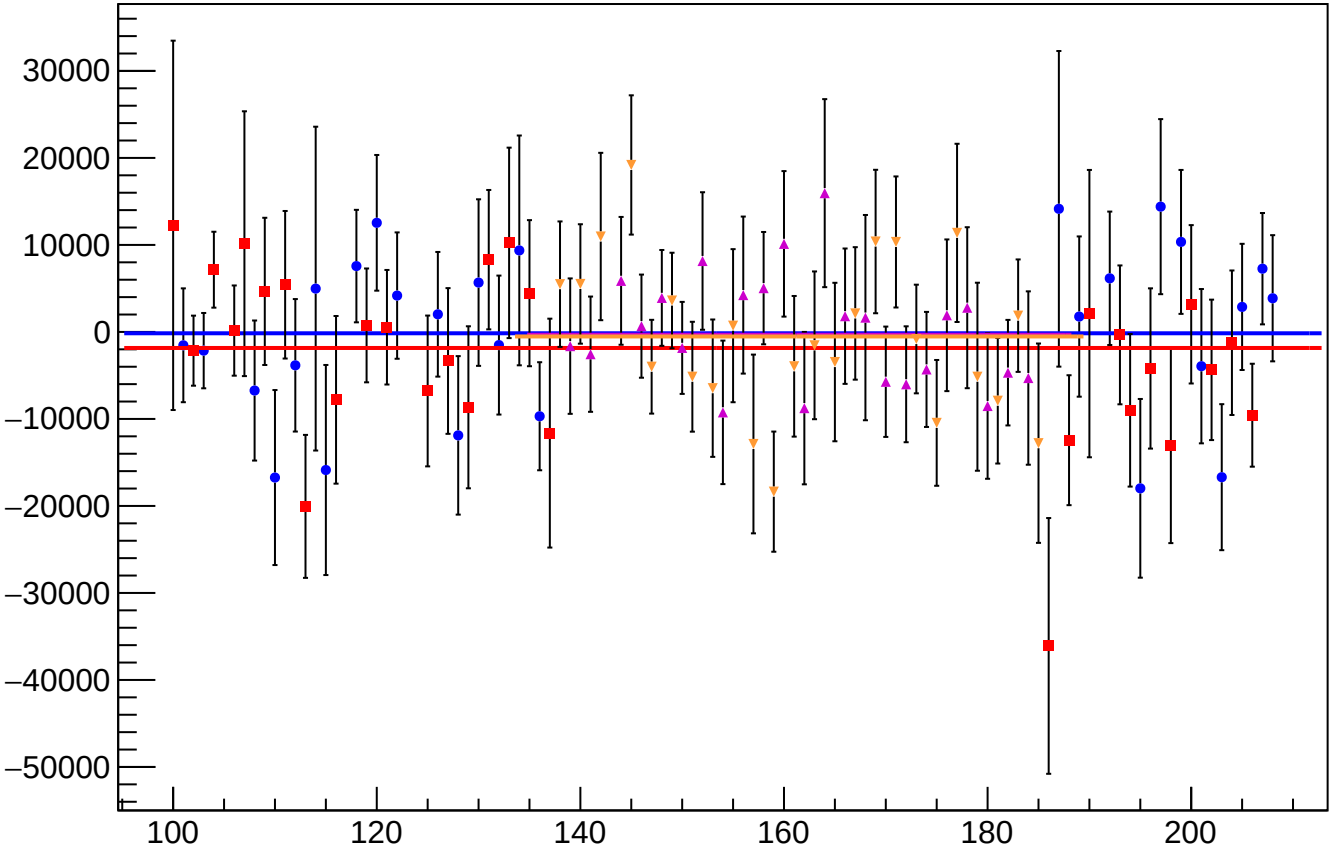
Right: 1870.286+/-0.236 χ^2/NDF: 472682.1/55

In: 1865.845+/-0.226 χ^2/NDF:328878.7/49

Out: 1873.922+/-0.226 χ^2/NDF:207702.6/52

All: 1869.882+/-0.160 χ^2/NDF: 537217.9/102

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -154.625+/-1519.035 χ^2/NDF: 29.1/26

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1843.904+/-1434.268 χ^2/NDF: 28.6/28

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

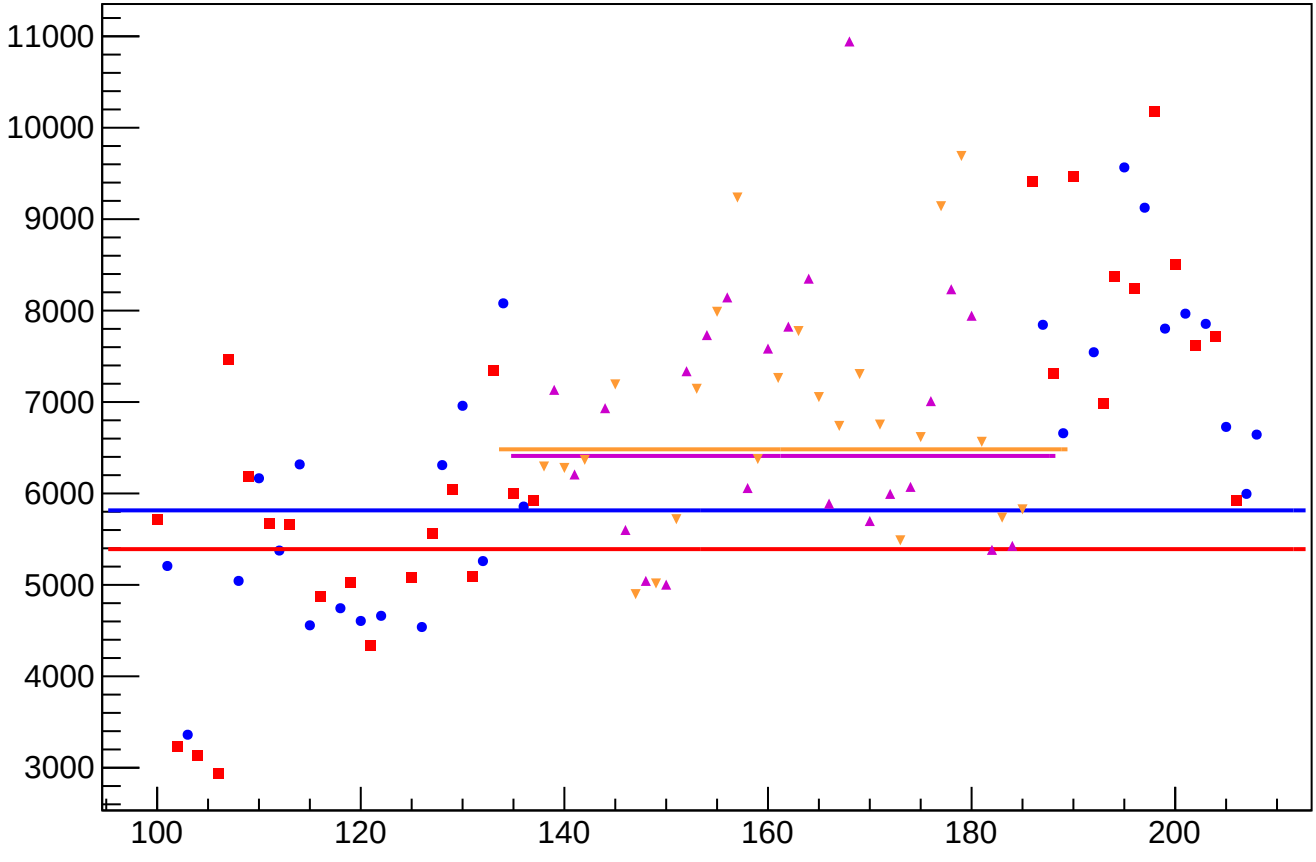
Right: -1047.711+/-1042.861 χ^2/NDF: 58.3/55

In: -239.126+/-1077.275 χ^2/NDF:42.5/49

Out: -1227.705+/-1048.552 χ^2/NDF:58.2/52

All: -746.770+/-751.387 χ^2/NDF: 101.1/102

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5814.950+/-1.074 χ^2/NDF: 2068025.3/26

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5391.108+/-1.014 χ^2/NDF: 3607226.8/28

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

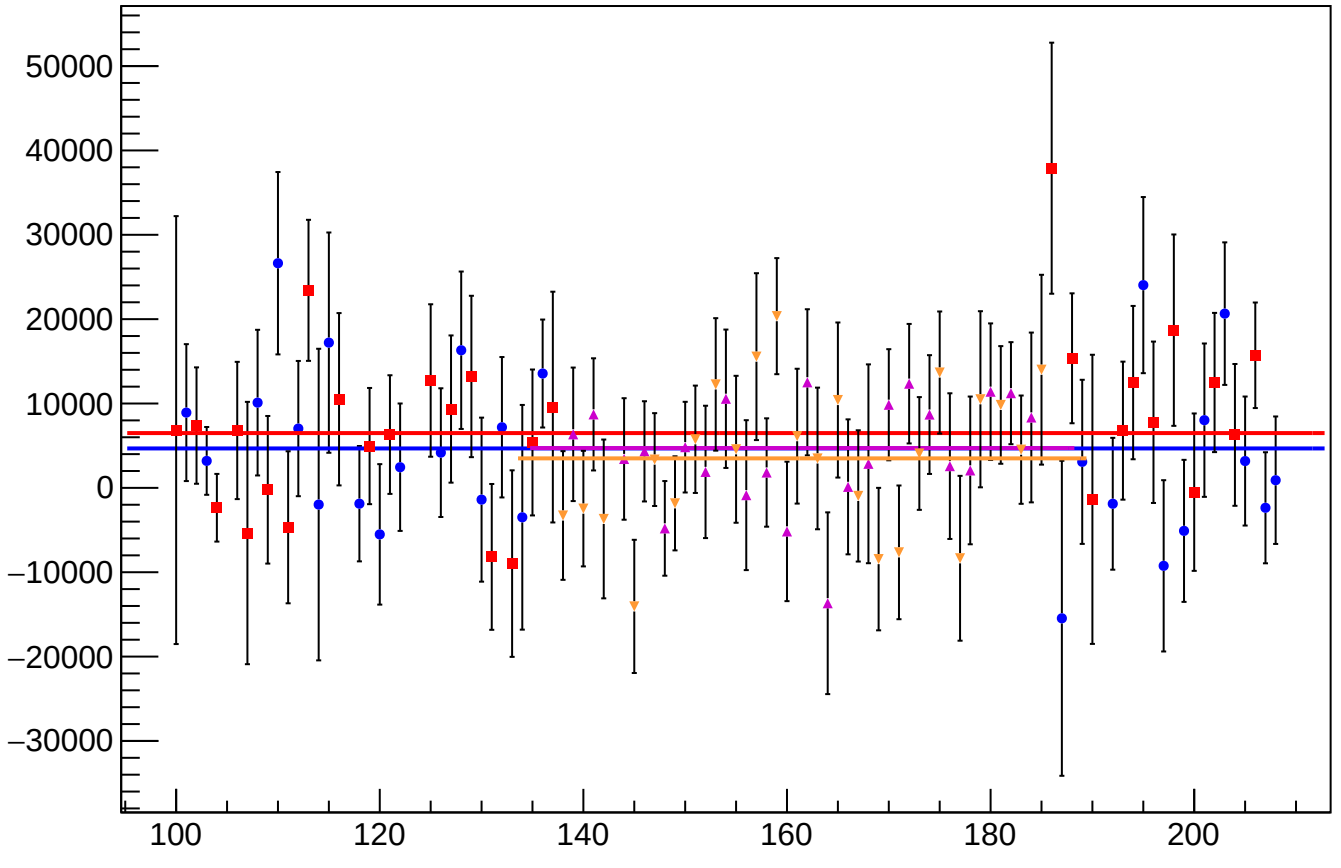
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5590.874+/-0.737 χ^2/NDF: 5757570.1/55

In: 6110.938+/-0.762 χ^2/NDF:3440627.3/49

Out: 5899.301+/-0.741 χ^2/NDF:5221169.5/52

All: 6002.261+/-0.531 χ^2/NDF: 8701434.4/10



Right In: 4674.034+/-1567.250 χ^2/NDF: 26.6/26

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 6495.481+/-1566.474 χ^2/NDF: 28.7/28

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

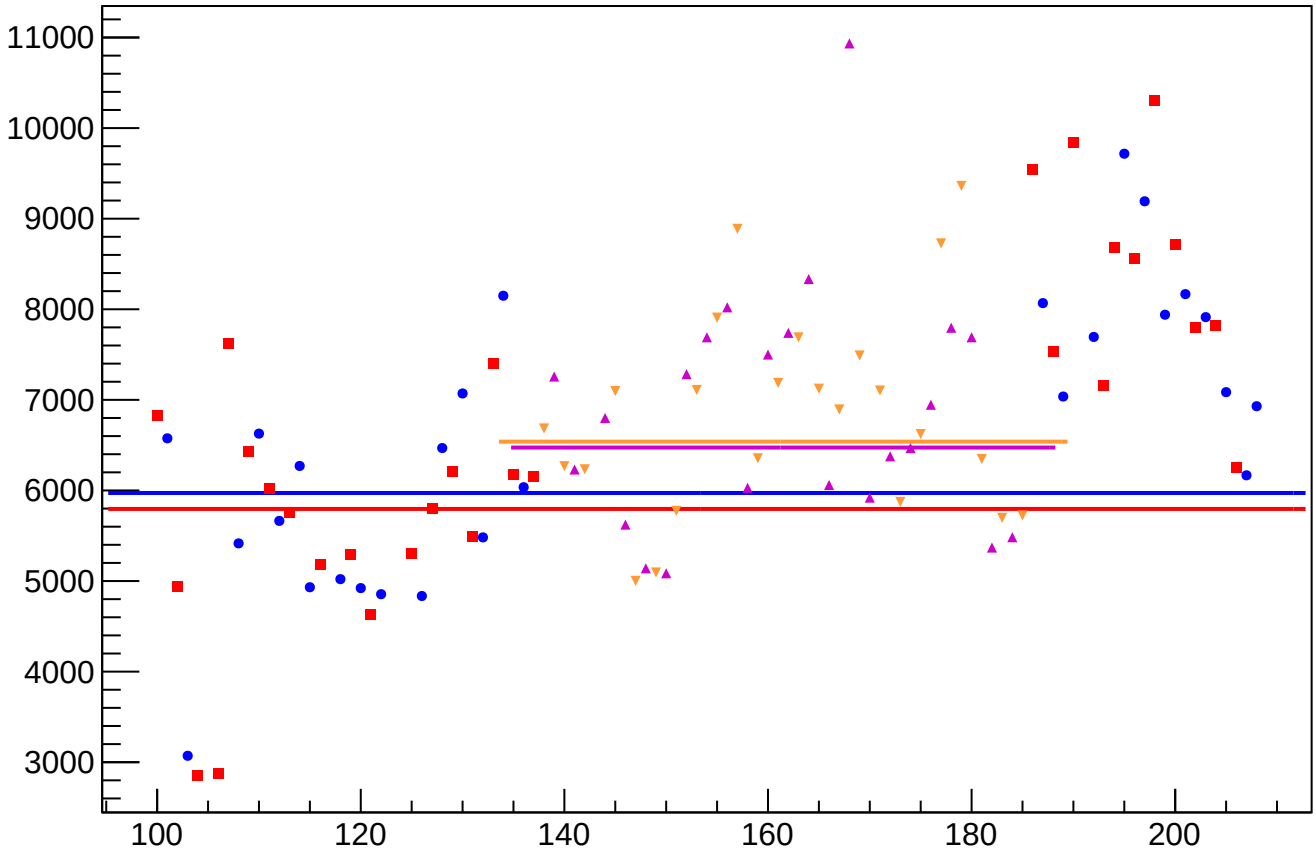
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5585.208+/-1107.939 χ^2/NDF: 56.0/55

In: 4697.195+/-1098.153 χ^2/NDF:40.9/49

Out: 4976.443+/-1100.296 χ^2/NDF:58.1/52

All: 4836.547+/-777.268 χ^2/NDF: 99.0/102



Right In: 5972.140+/-1.108 χ^2/NDF: 2348223.4/26

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5796.021+/-1.093 χ^2/NDF: 3251704.5/28

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

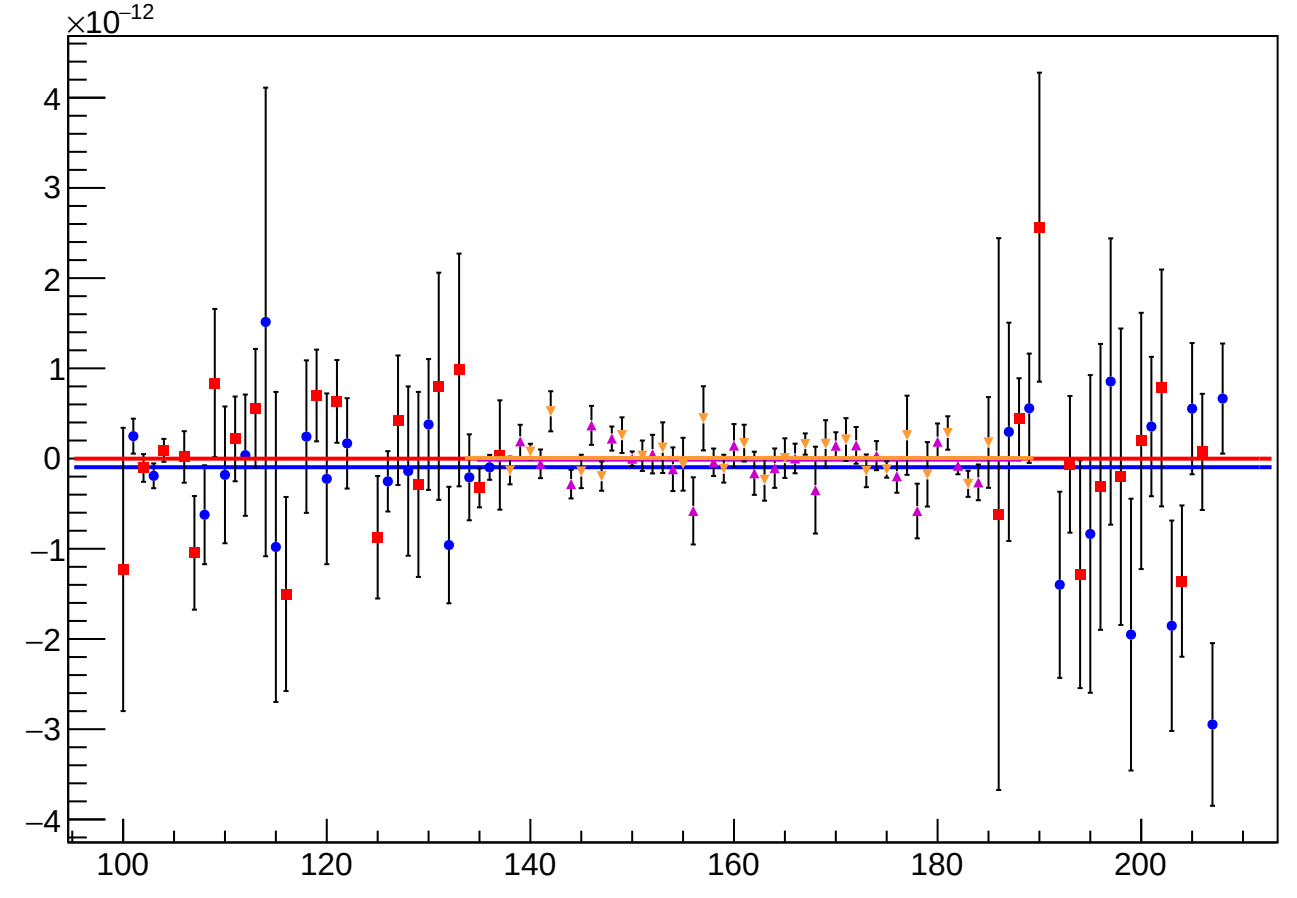
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5882.838+/-0.778 χ^2/NDF: 5612734.5/55

In: 6227.338+/-0.777 χ^2/NDF:3524157.8/49

Out: 6167.228+/-0.773 χ^2/NDF:4403225.5/52

All: 6197.138+/-0.548 χ^2/NDF: 7930394.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

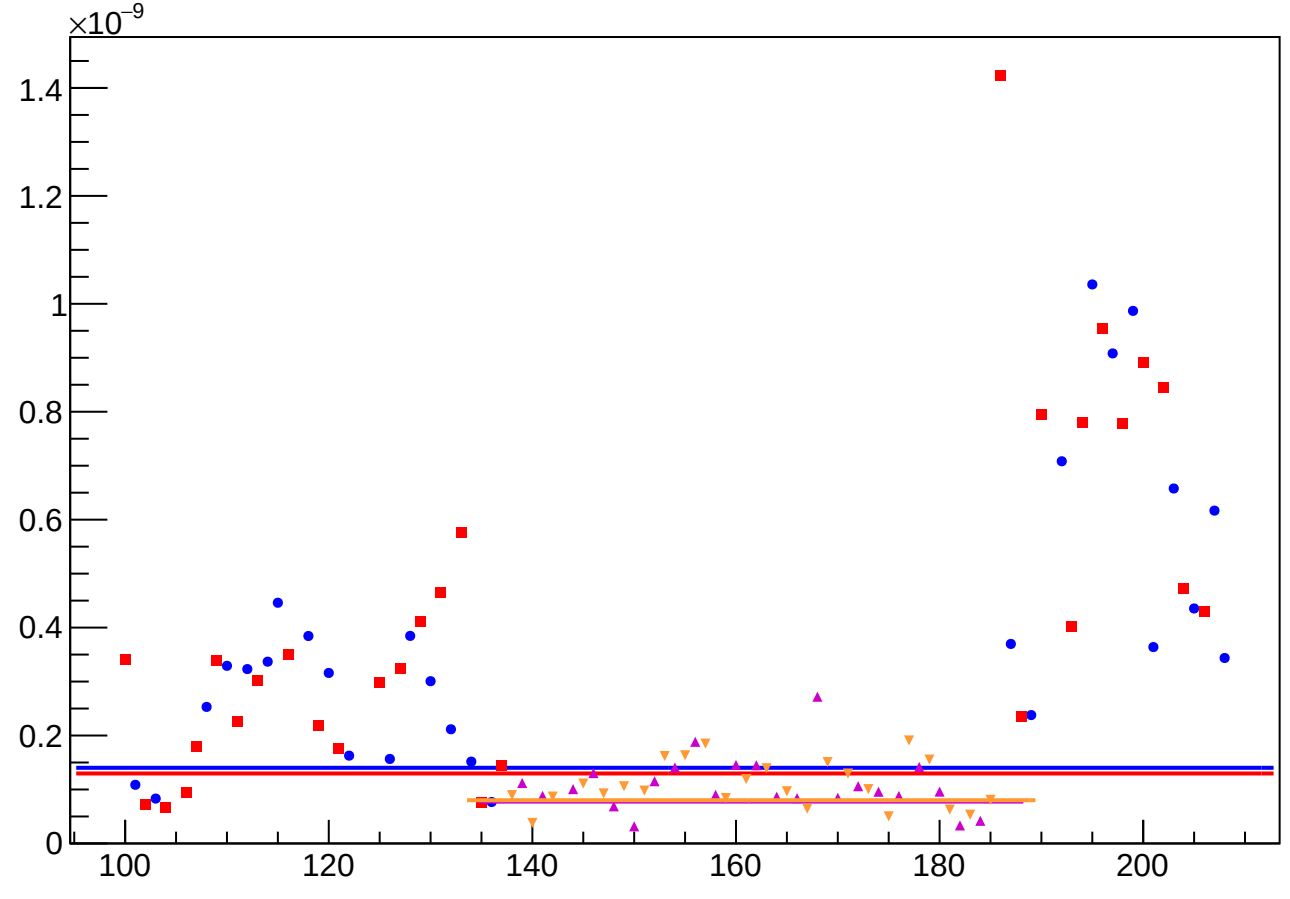
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 53.6/55

In: -0.000+/-0.000 χ^2/NDF:53.1/49

Out: 0.000+/-0.000 χ^2/NDF:51.9/52

All: -0.000+/-0.000 χ^2/NDF: 105.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 5776110.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6662394.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

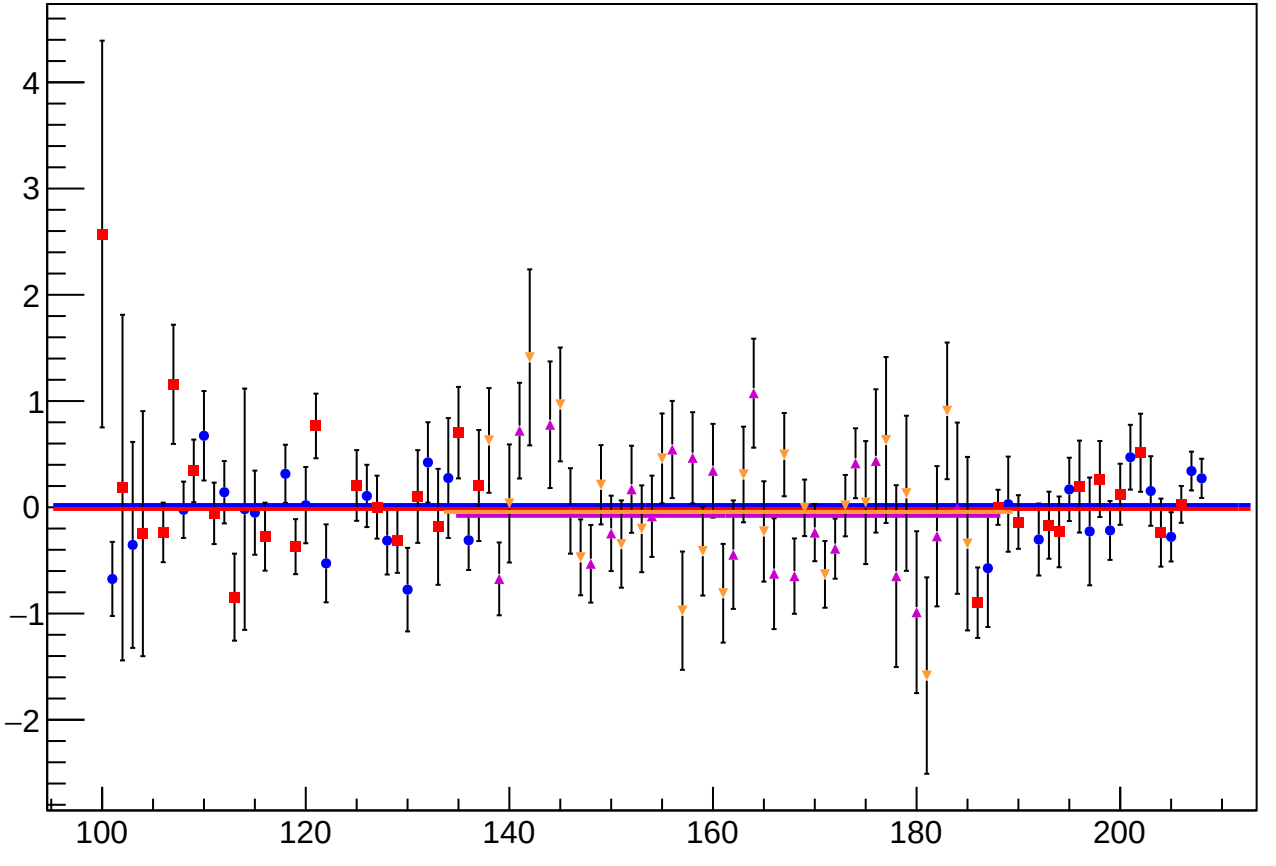
Right: 0.000+/-0.000 χ^2/NDF: 12458466.5/55

In: 0.000+/-0.000 χ^2/NDF:9577821.5/49

Out: 0.000+/-0.000 χ^2/NDF:9544410.1/52

All: 0.000+/-0.000 χ^2/NDF: 19122640.8/102

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

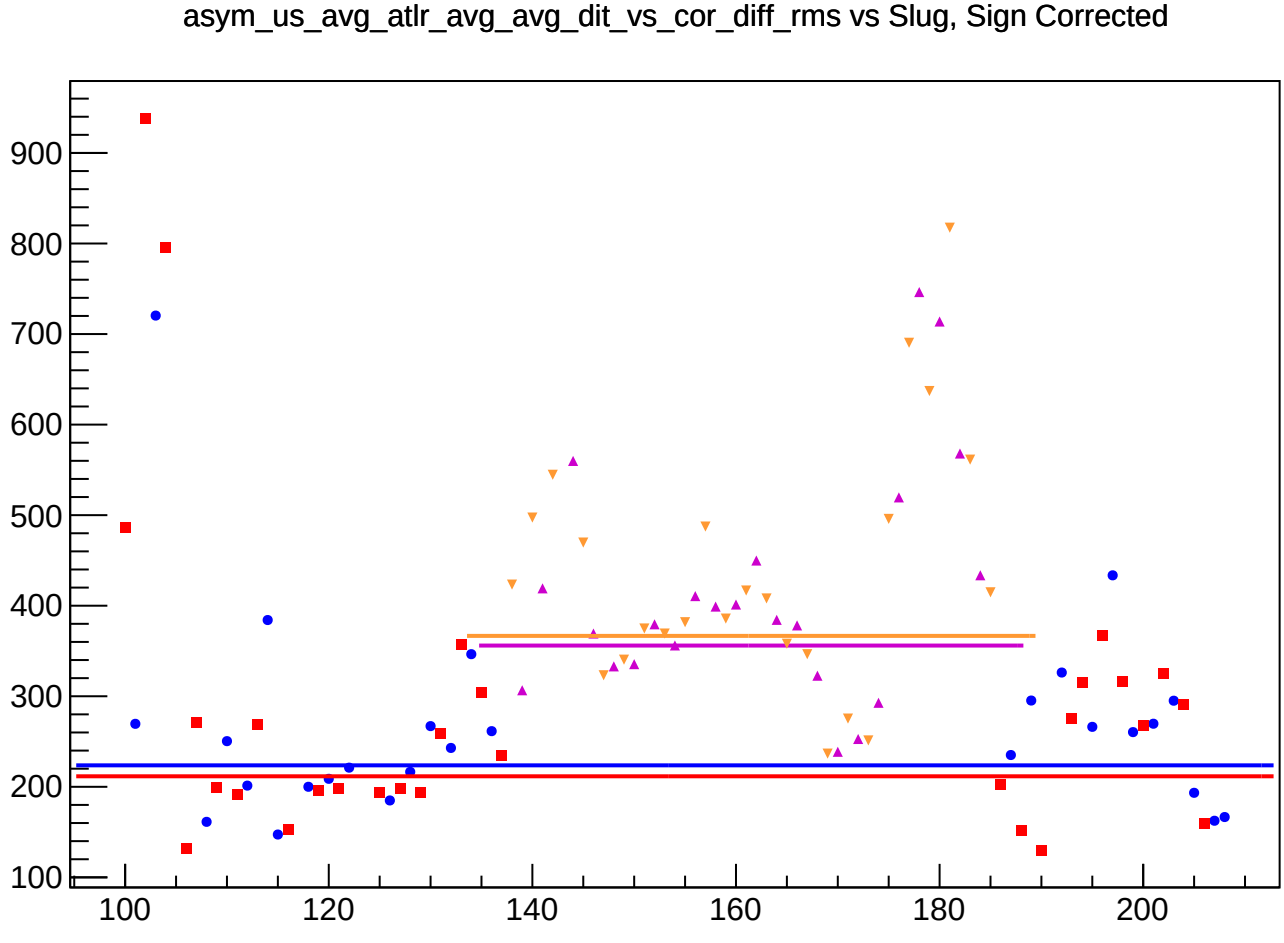
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.002+/-0.042 χ^2/NDF: 68.6/55

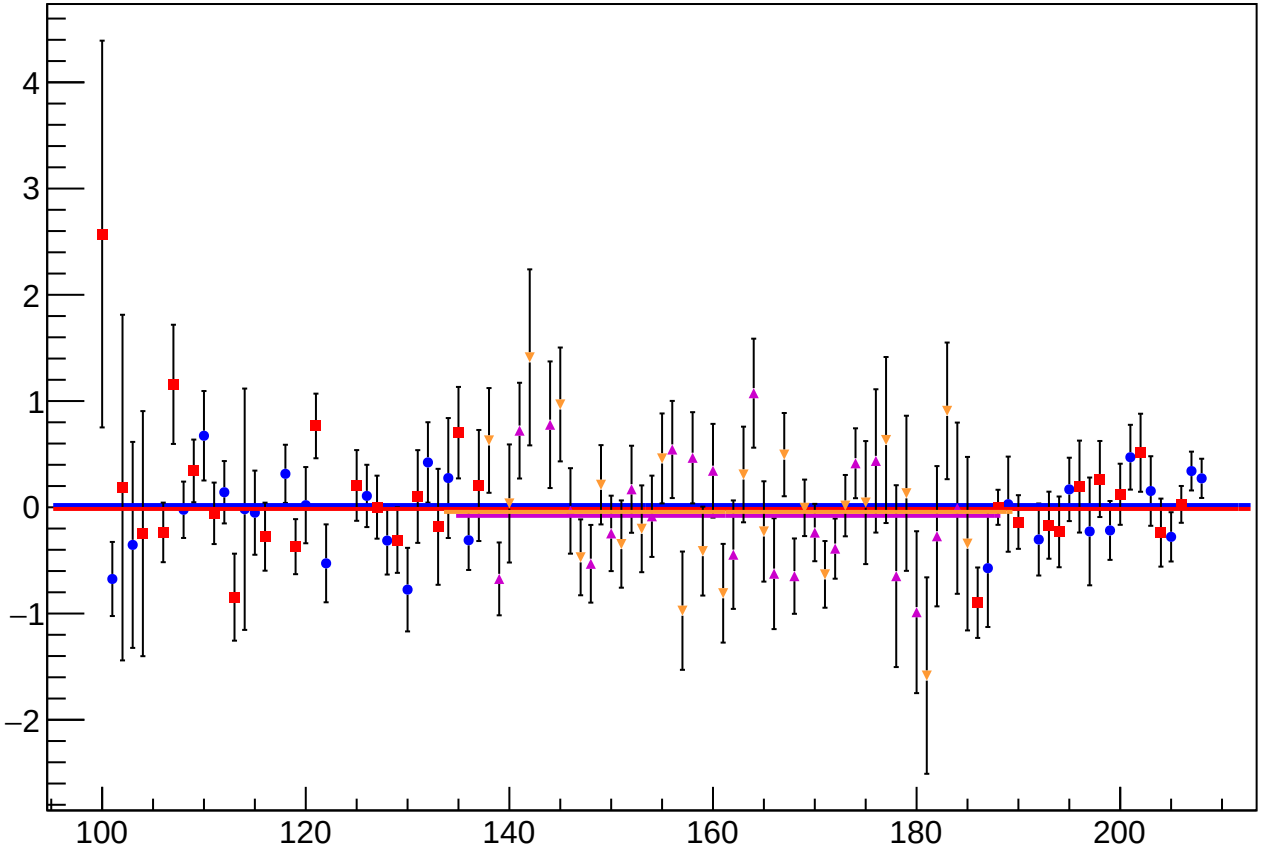
In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.018+/-0.035 χ^2/NDF: 130.7/102


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
Right In: 223.704+/-0.043 χ²/NDF: 2262495.5/26
Left Out: 366.670+/-0.064 χ²/NDF:2841071.8/23
Right Out: 211.610+/-0.042 χ²/NDF: 3302448.5/28
Left In: 355.992+/-0.062 χ²/NDF:2420701.1/22
Left: 361.170+/-0.045 χ²/NDF: 5276130.6/46
Right: 217.475+/-0.030 χ²/NDF: 5605672.4/55
In: 266.620+/-0.035 χ²/NDF:7752793.1/49
Out: 257.908+/-0.035 χ²/NDF:10265721.1/52
All: 262.215+/-0.025 χ²/NDF: 18049226.8/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

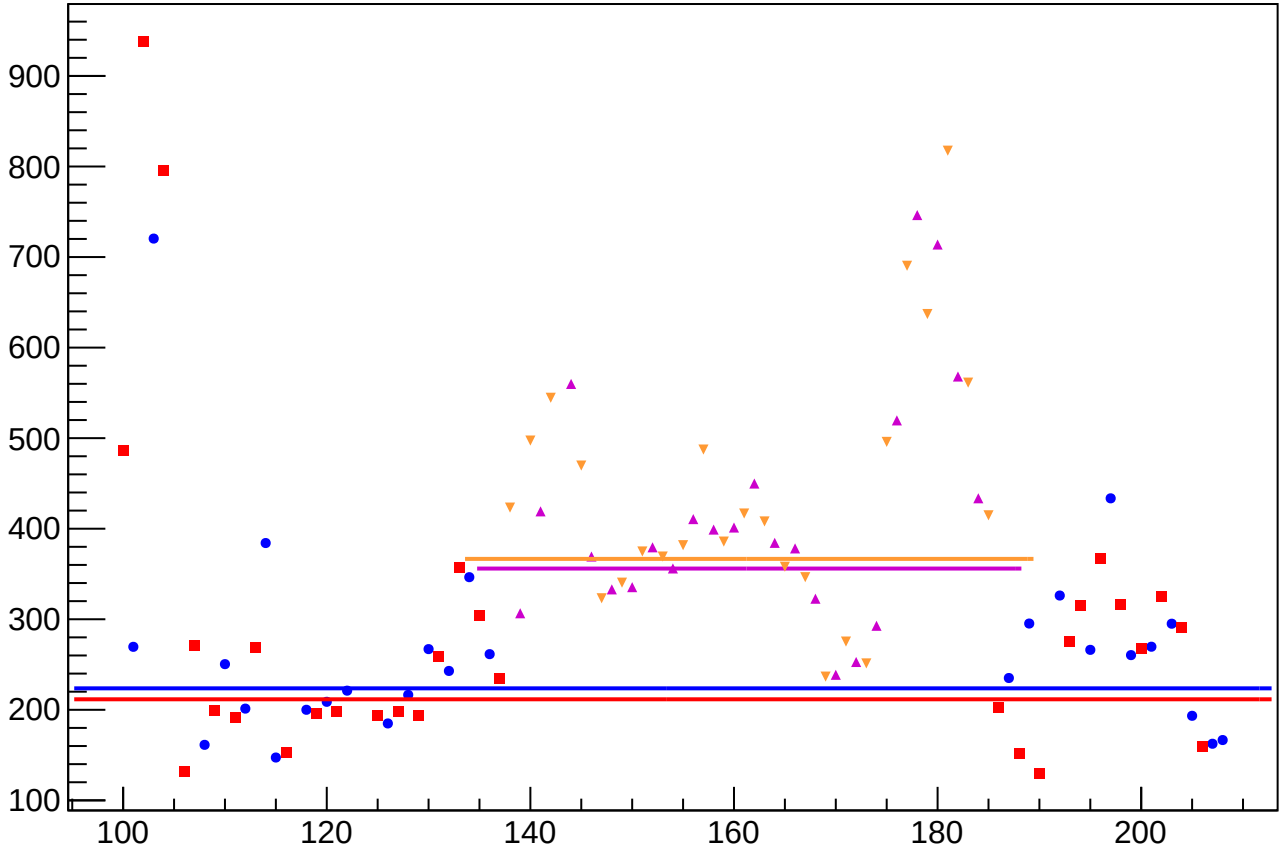
Right: 0.002+/-0.042 χ^2/NDF: 68.6/55

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.018+/-0.035 χ^2/NDF: 130.7/102

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 223.704+/-0.043 χ^2/NDF: 2262495.5/26

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

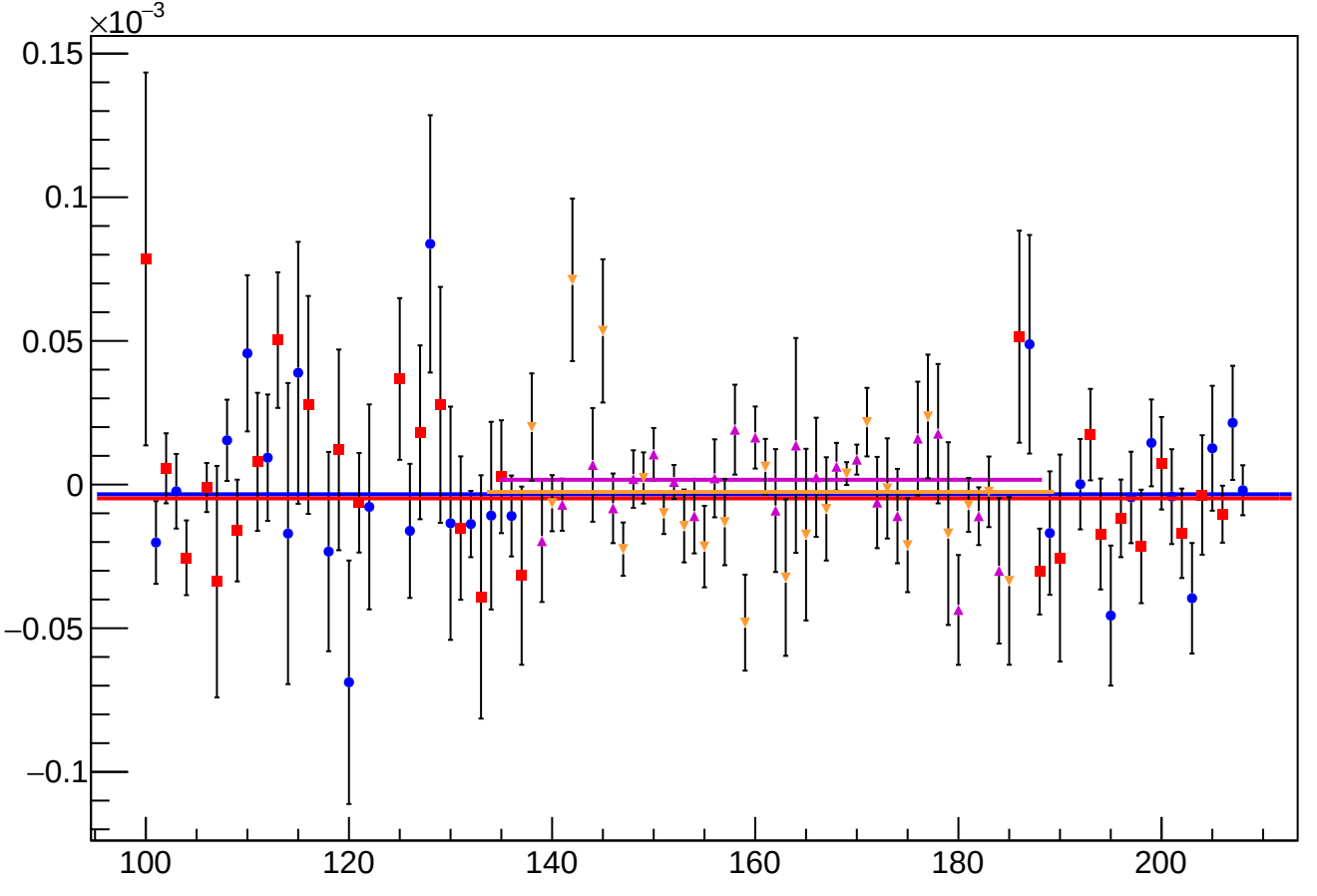
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 217.475+/-0.030 χ^2/NDF: 5605672.4/55

In: 266.620+/-0.035 χ^2/NDF:7752793.1/49

Out: 257.908+/-0.035 χ^2/NDF:10265721.1/52

All: 262.215+/-0.025 χ^2/NDF: 18049226.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/28

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

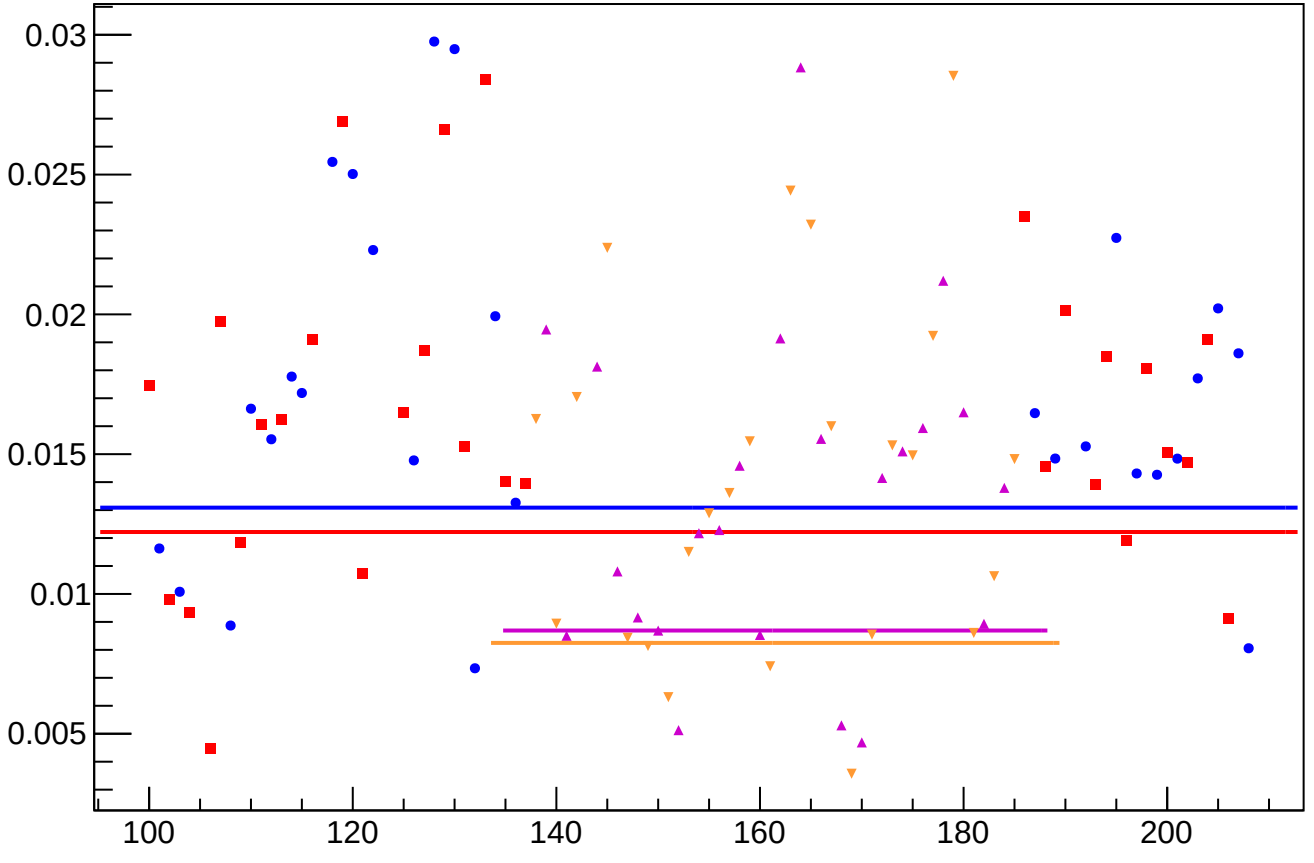
Right: -0.000+/-0.000 χ^2/NDF: 56.4/55

In: 0.000+/-0.000 χ^2/NDF:50.2/49

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: -0.000+/-0.000 χ^2/NDF: 123.8/102

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: 3723116.4/26

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 4448740.9/28

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

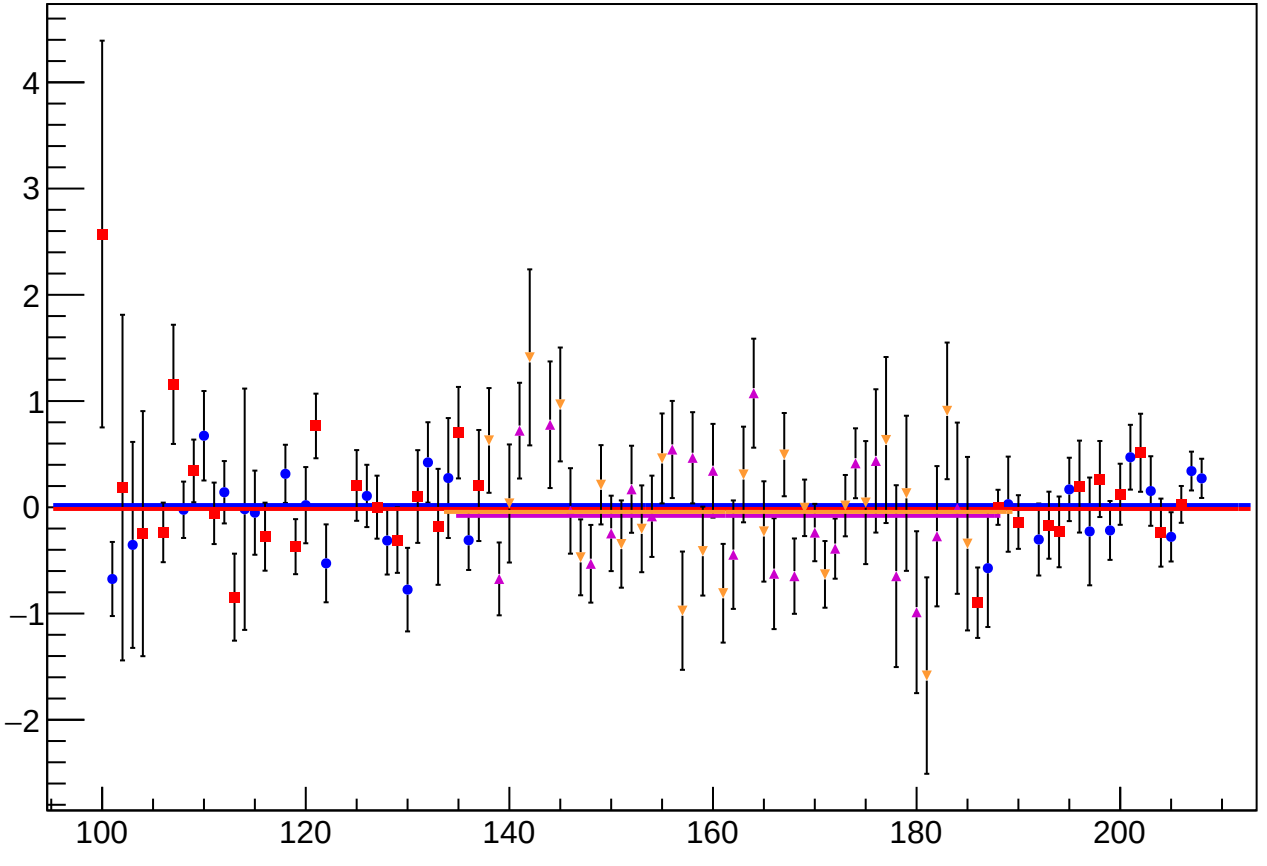
Right: 0.013+/-0.000 χ^2/NDF: 8235637.4/55

In: 0.010+/-0.000 χ^2/NDF:12736951.0/49

Out: 0.009+/-0.000 χ^2/NDF:15245523.8/52

All: 0.010+/-0.000 χ^2/NDF: 28063910.7/102

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

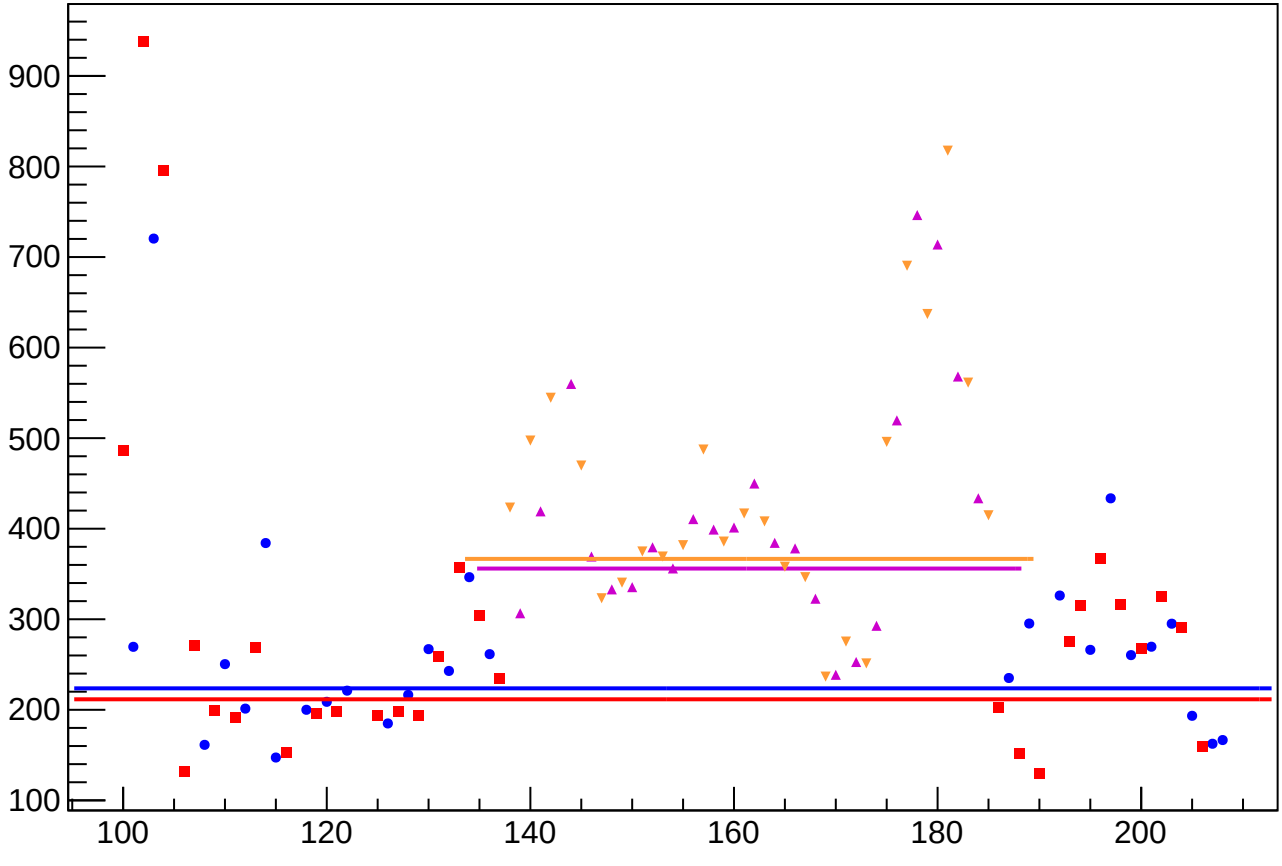
Right: 0.002+/-0.042 χ^2/NDF: 68.6/55

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.018+/-0.035 χ^2/NDF: 130.7/102

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

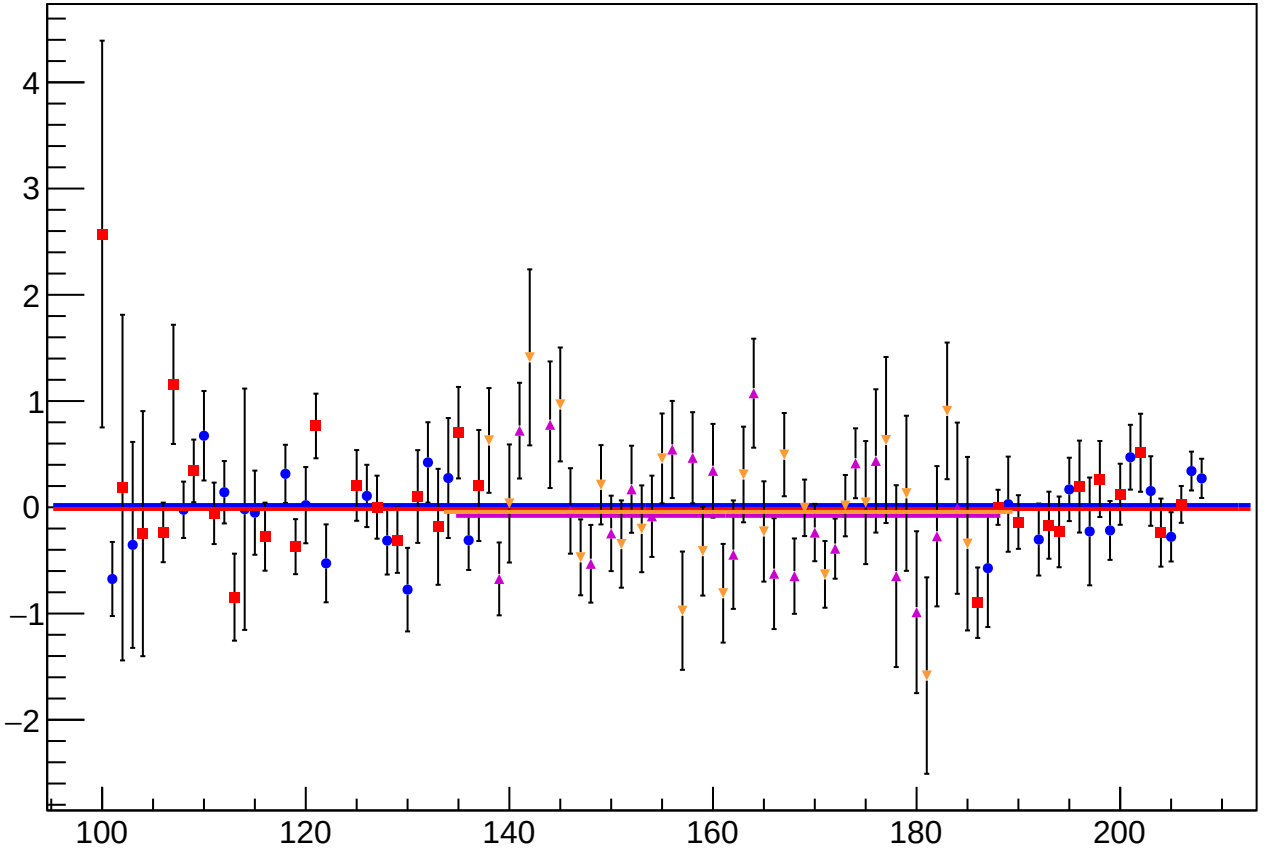
Right: 217.473+/-0.030 χ^2/NDF: 5605802.7/55

In: 266.619+/-0.035 χ^2/NDF:7753124.1/49

Out: 257.906+/-0.035 χ^2/NDF:10266199.8/52

All: 262.213+/-0.025 χ^2/NDF: 18050047.5/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

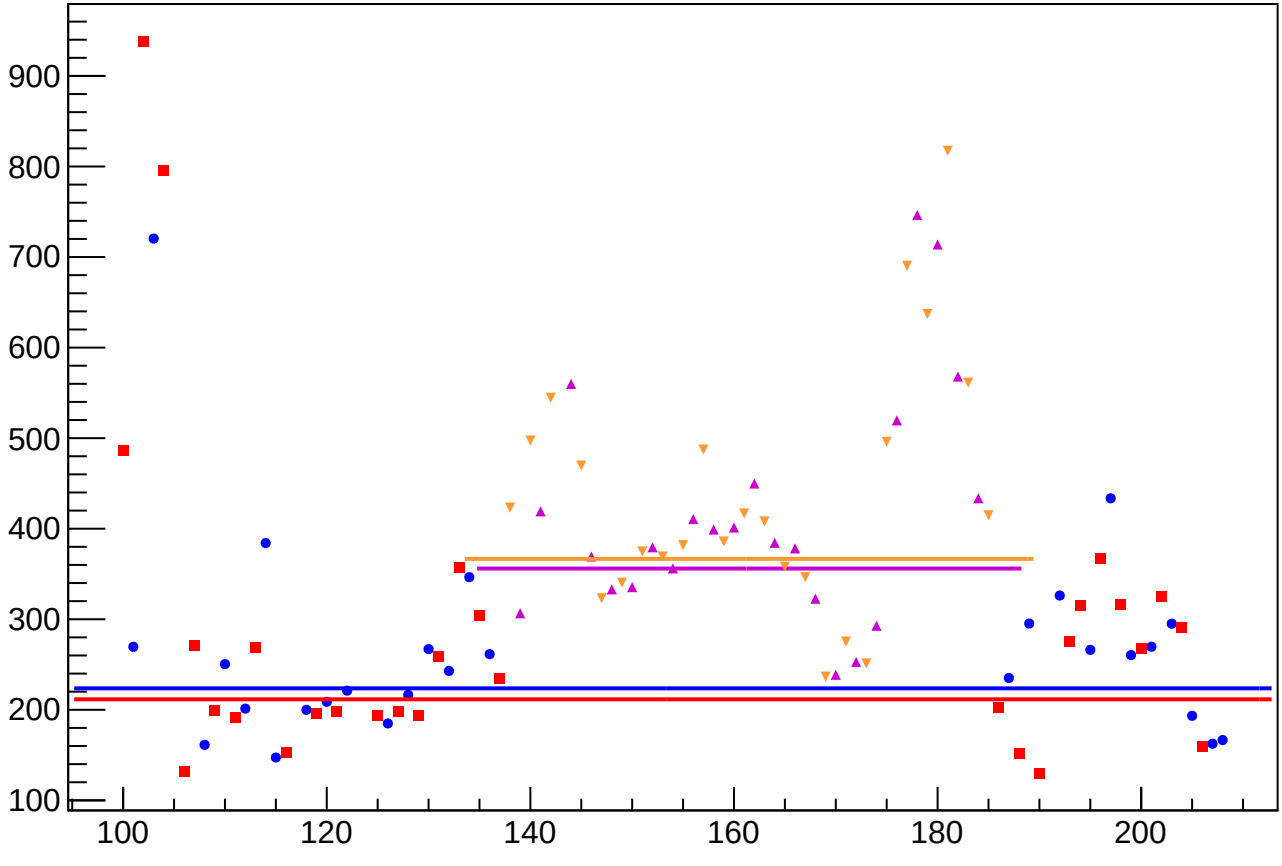
Right: 0.002+/-0.042 χ^2/NDF: 68.6/55

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.018+/-0.035 χ^2/NDF: 130.7/102

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

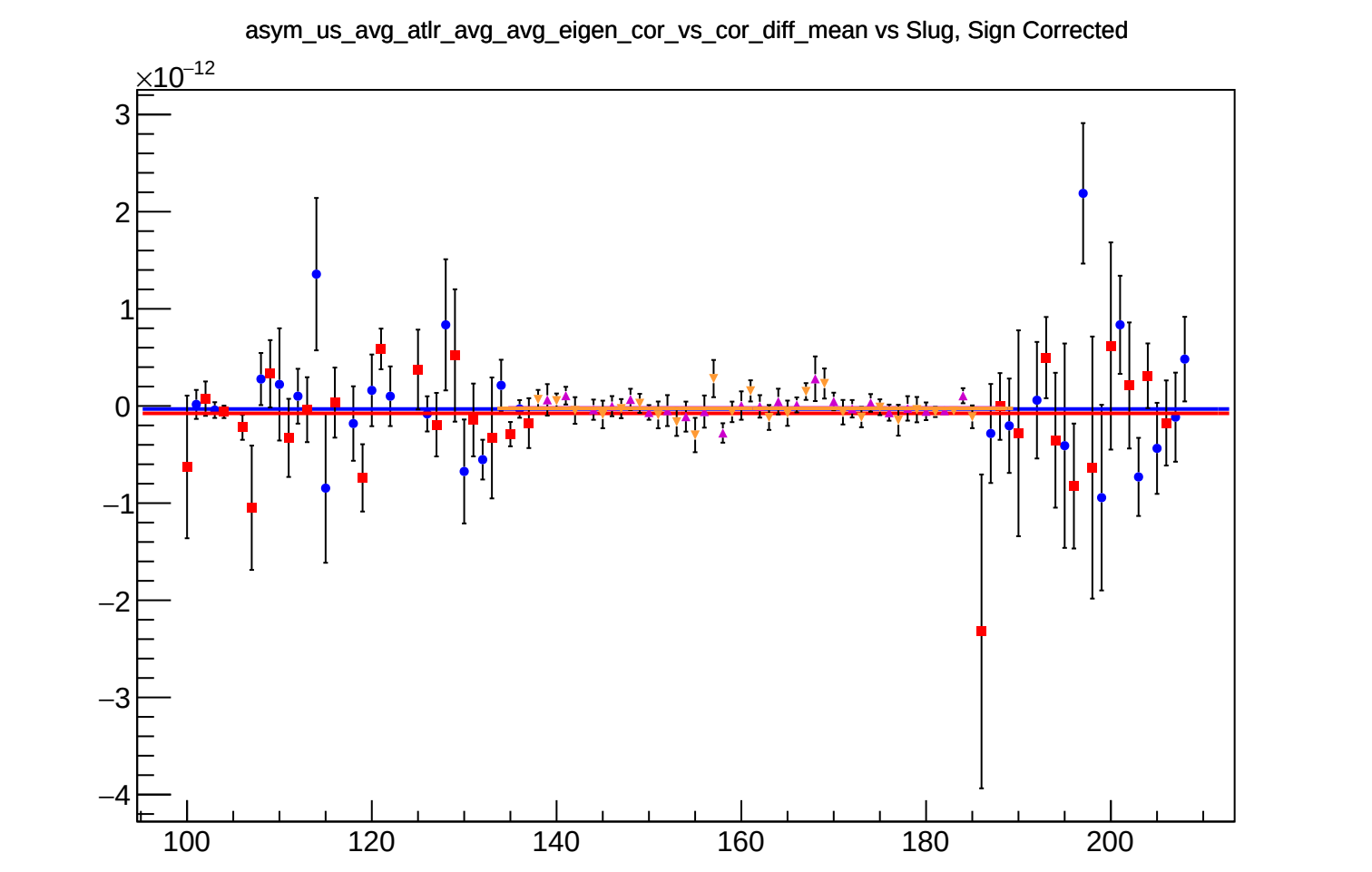
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 217.473+/-0.030 χ^2/NDF: 5605802.7/55

In: 266.619+/-0.035 χ^2/NDF:7753124.1/49

Out: 257.906+/-0.035 χ^2/NDF:10266199.8/52

All: 262.213+/-0.025 χ^2/NDF: 18050047.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/28

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

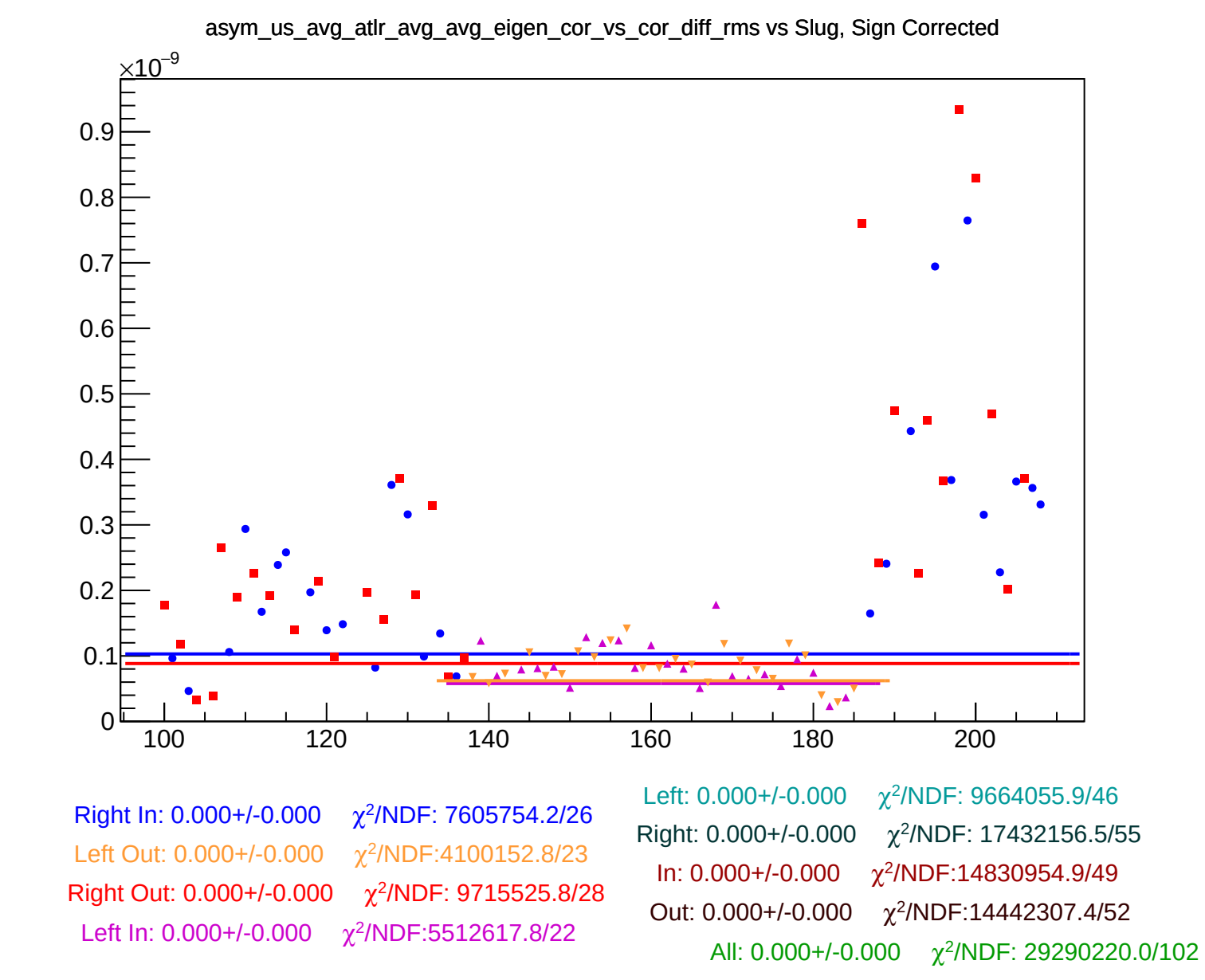
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

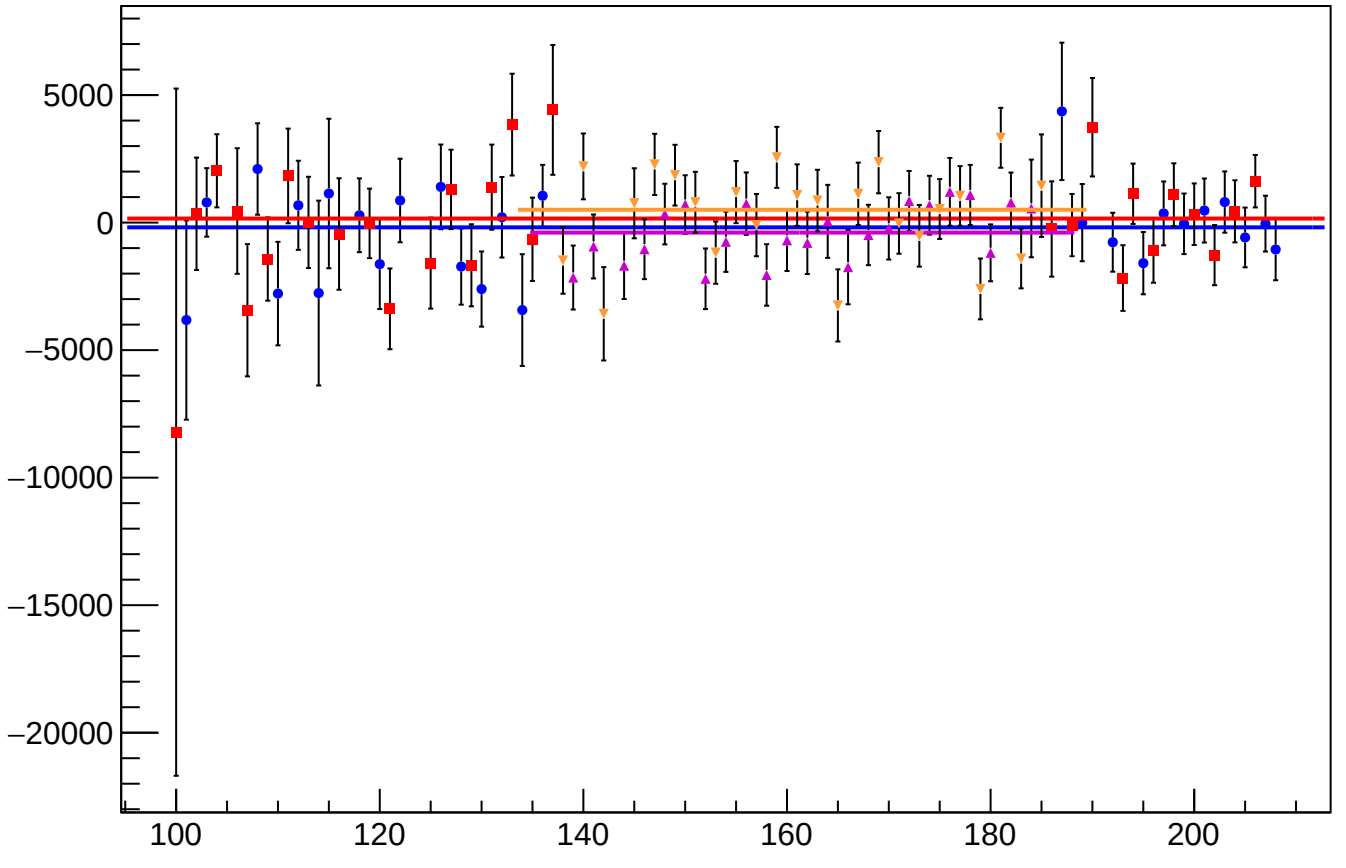
Right: -0.000+/-0.000 χ^2/NDF: 70.2/55

In: -0.000+/-0.000 χ^2/NDF:53.5/49

Out: -0.000+/-0.000 χ^2/NDF:56.5/52

All: -0.000+/-0.000 χ^2/NDF: 110.2/102


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7605754.2/26
Left Out: 0.000+/-0.000 χ²/NDF:4100152.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 9715525.8/28
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
Left: 0.000+/-0.000 χ²/NDF: 9664055.9/46
Right: 0.000+/-0.000 χ²/NDF: 17432156.5/55
In: 0.000+/-0.000 χ²/NDF:14830954.9/49
Out: 0.000+/-0.000 χ²/NDF:14442307.4/52
All: 0.000+/-0.000 χ²/NDF: 29290220.0/102



Right In: -186.340+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 158.894+/-285.767 χ^2/NDF: 33.3/28

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

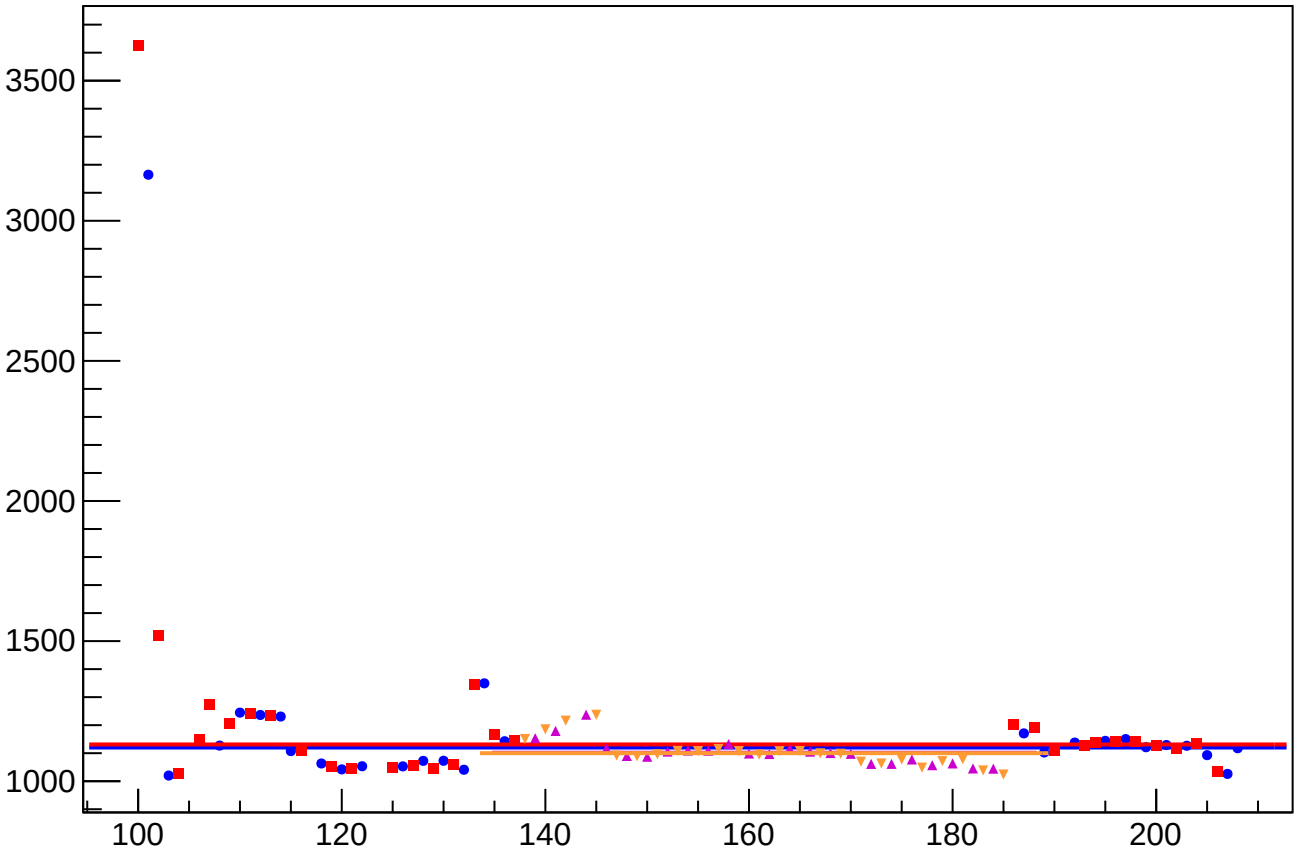
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -14.448+/-201.643 χ^2/NDF: 55.1/55

In: -299.295+/-190.888 χ^2/NDF:39.1/49

Out: 350.445+/-190.484 χ^2/NDF:78.7/52

All: 26.265+/-134.835 χ^2/NDF: 123.6/102



Right In: 1120.256+/-0.201 χ^2/NDF: 641450.0/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1131.138+/-0.202 χ^2/NDF: 247318.9/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

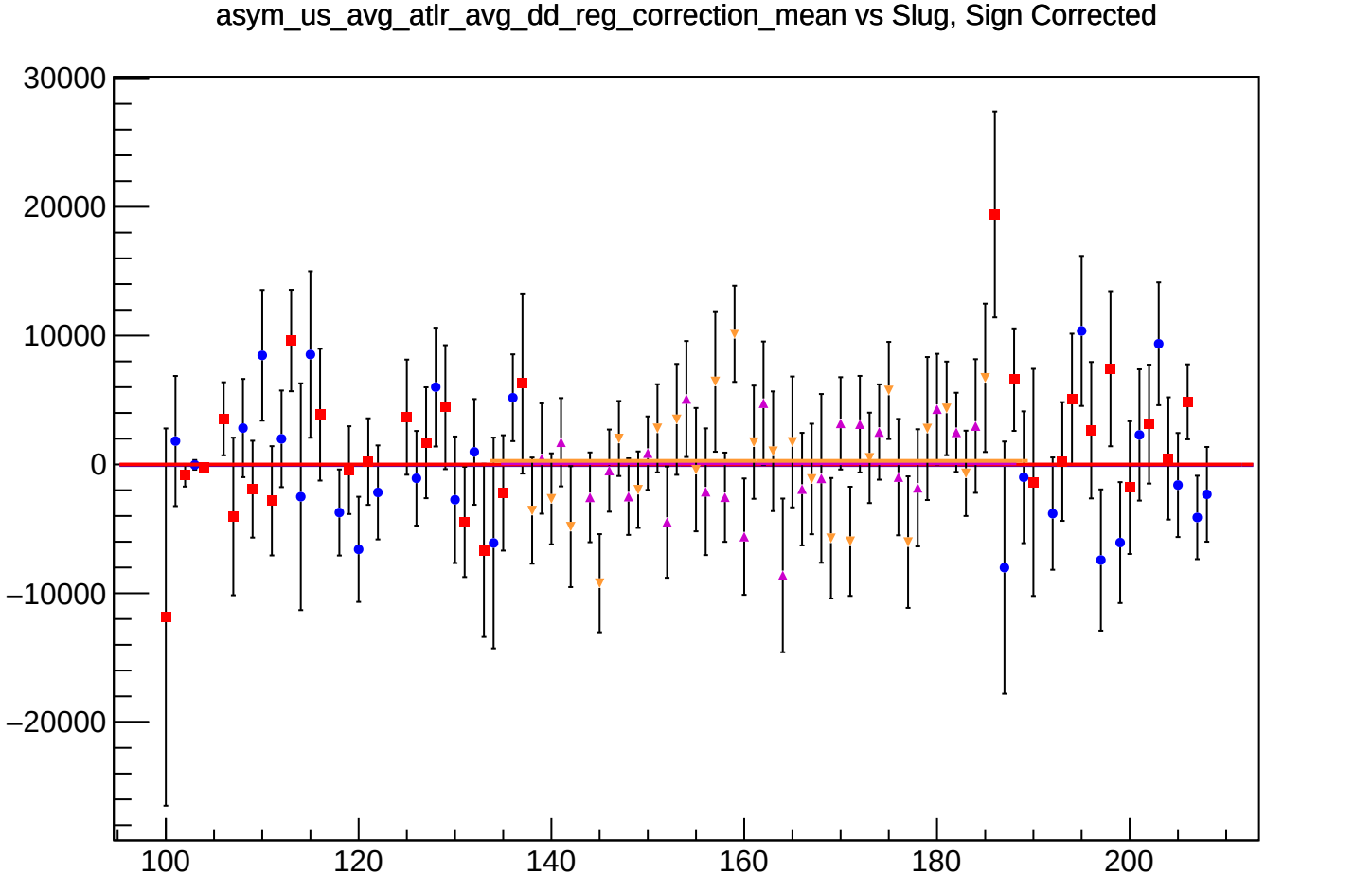
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1125.678+/-0.143 χ^2/NDF: 890226.0/55

In: 1109.956+/-0.135 χ^2/NDF:698359.8/49

Out: 1113.882+/-0.135 χ^2/NDF:319205.7/52

All: 1111.924+/-0.095 χ^2/NDF: 1017989.6/10



Right In: -48.091+/-346.268 χ^2/NDF: 29.2/26

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -5.457+/-314.659 χ^2/NDF: 30.8/28

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

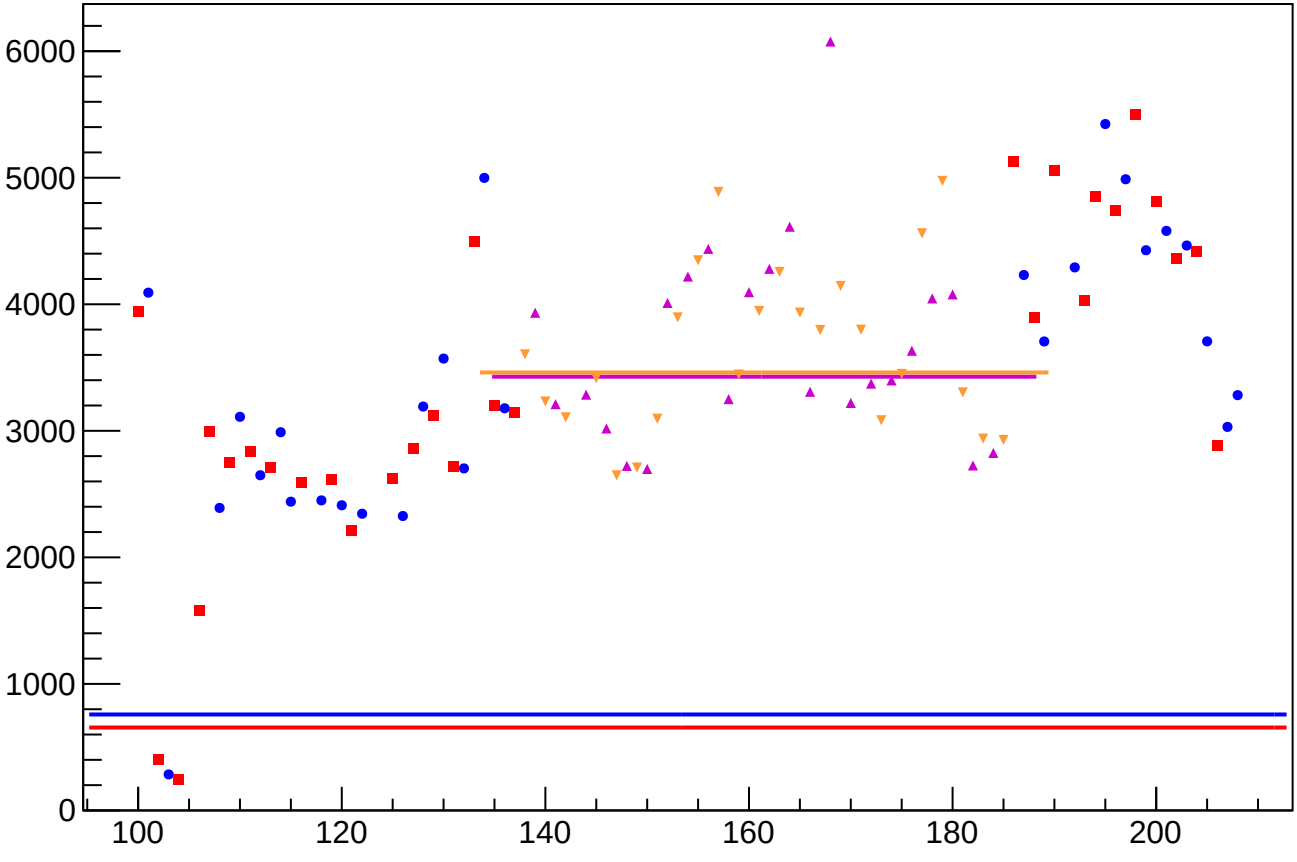
Right: -24.739+/-232.872 χ^2/NDF: 60.1/55

In: -26.352+/-318.829 χ^2/NDF:42.9/49

Out: 30.823+/-293.795 χ^2/NDF:60.8/52

All: 4.568+/-216.053 χ^2/NDF: 103.7/102

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 758.427+/-0.245 χ^2/NDF: 21650205.1/26

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 655.380+/-0.222 χ^2/NDF: 22178758.1/28

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

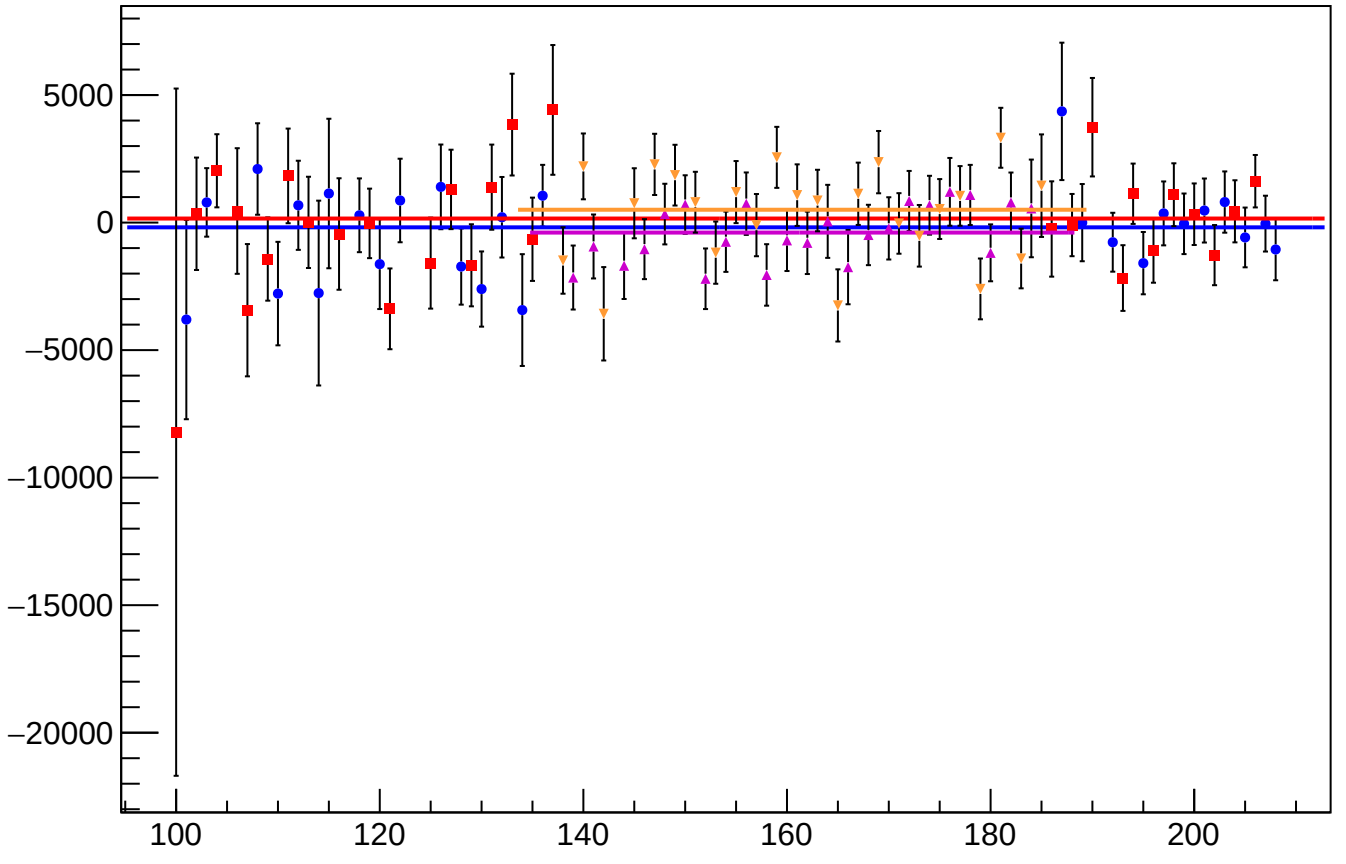
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 701.986+/-0.165 χ^2/NDF: 43925977.6/55

In: 1164.733+/-0.225 χ^2/NDF:40984937.6/49

Out: 1015.129+/-0.208 χ^2/NDF:43627576.9/52

All: 1083.828+/-0.153 χ^2/NDF: 84850653.6/1



Right In: -186.307+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 158.935+/-285.767 χ^2/NDF: 33.3/28

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

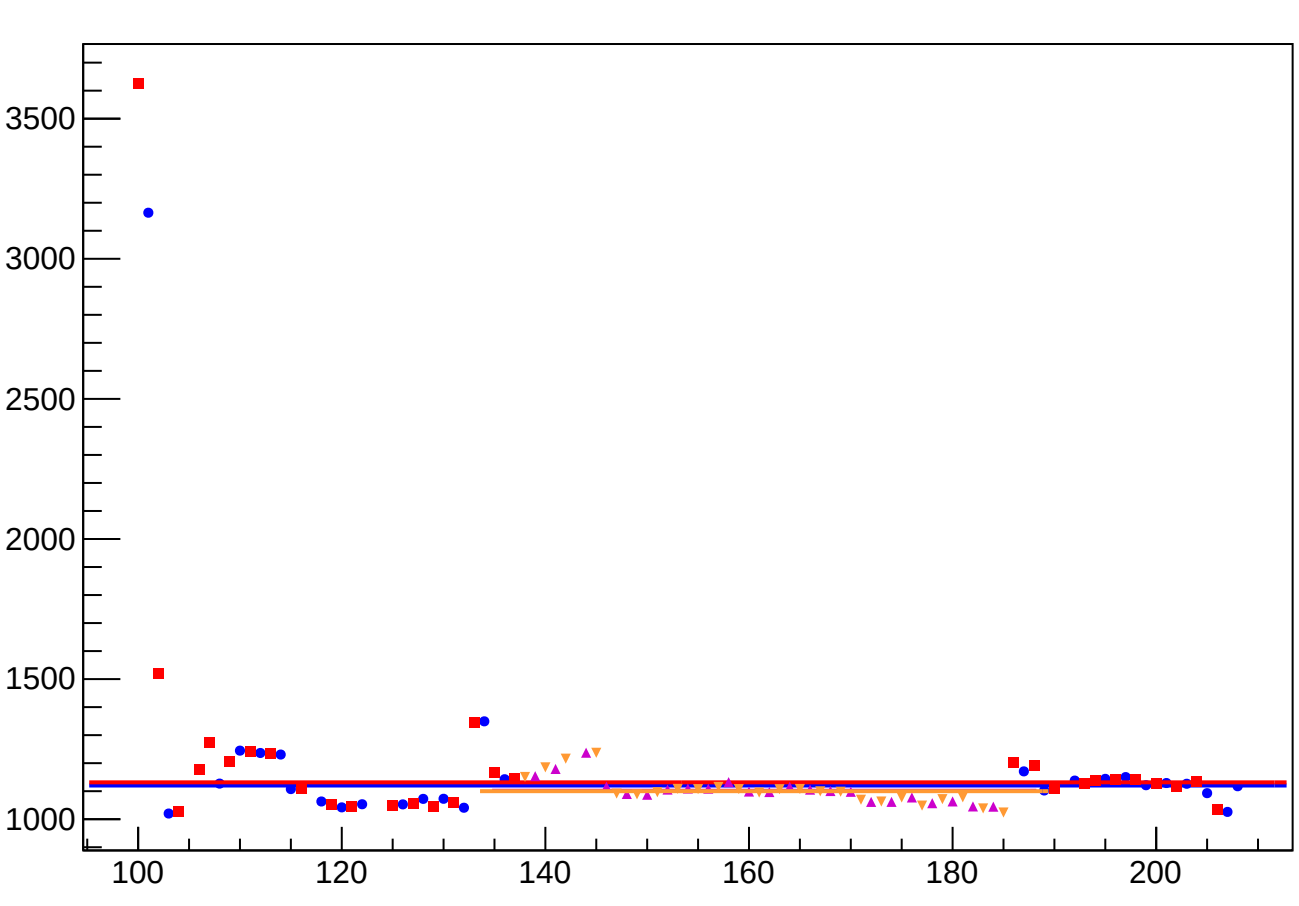
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -14.411+/-201.643 χ^2/NDF: 55.1/55

In: -299.273+/-190.888 χ^2/NDF:39.1/49

Out: 350.504+/-190.484 χ^2/NDF:78.7/52

All: 26.305+/-134.835 χ^2/NDF: 123.6/102



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

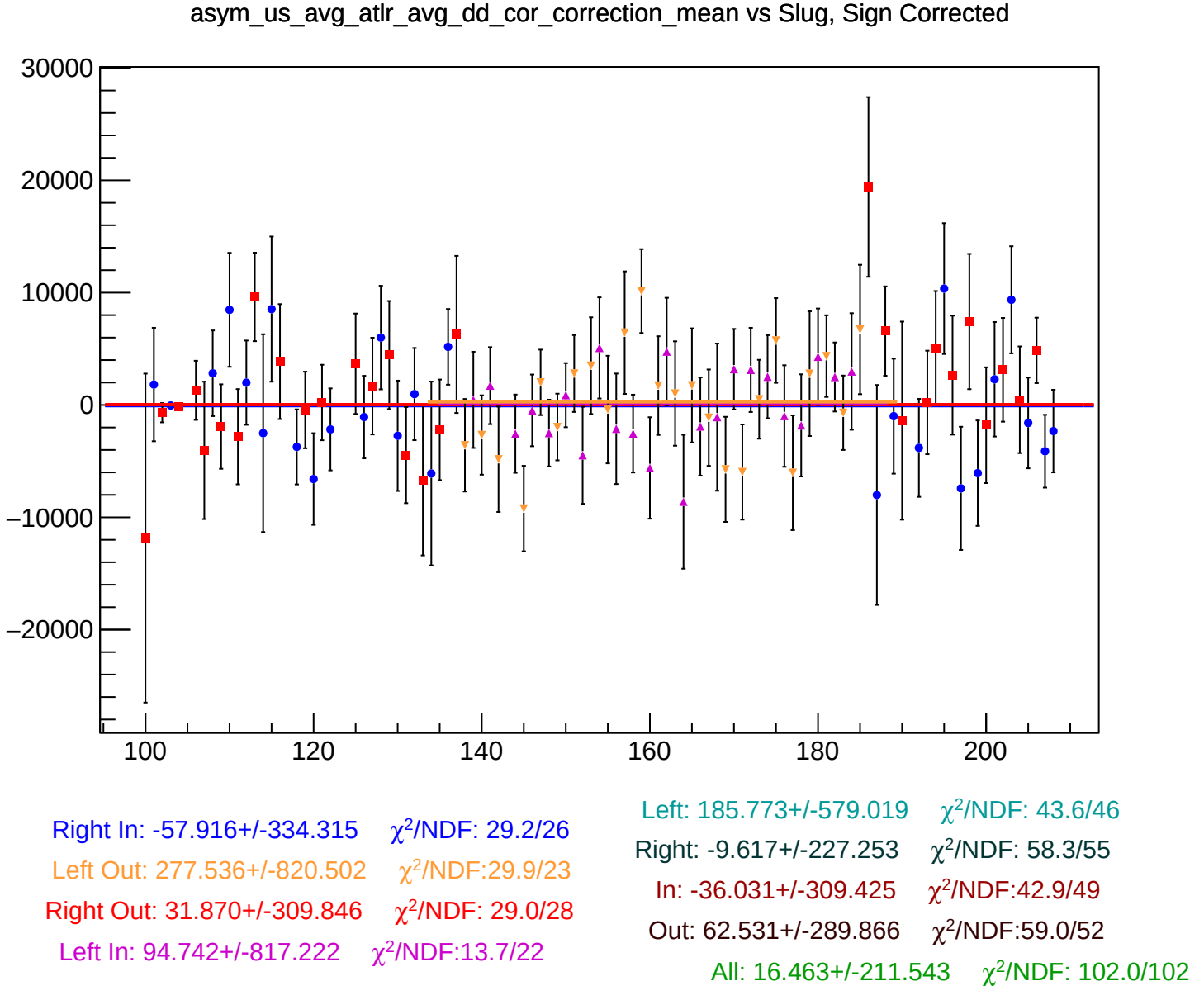
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

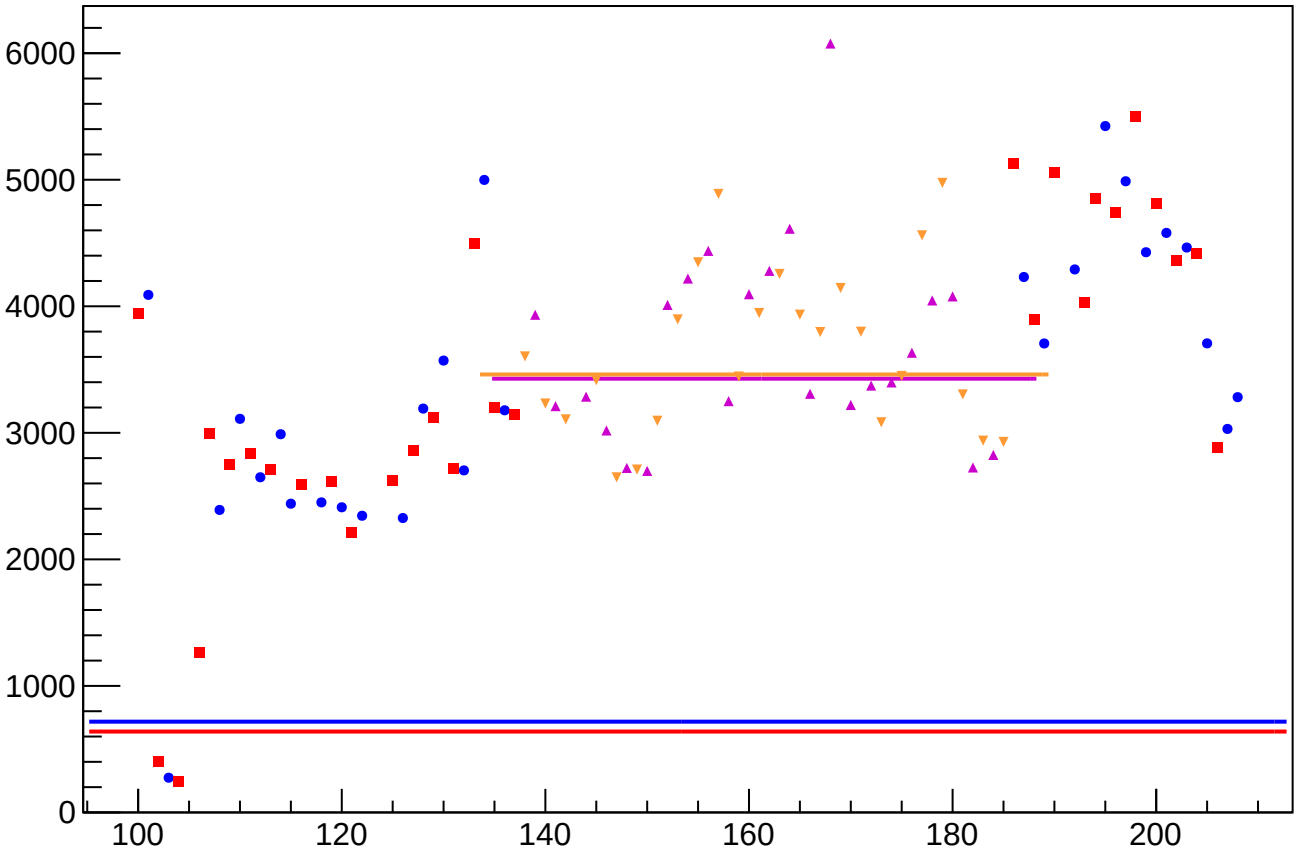
Right: 1125.882+/-0.143 χ^2/NDF: 891004.8/55

In: 1109.956+/-0.135 χ^2/NDF:698360.9/49

Out: 1114.059+/-0.135 χ^2/NDF:320216.5/52

All: 1112.012+/-0.095 χ^2/NDF: 1019040.3/10


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -57.916+/-334.315 χ²/NDF: 29.2/26
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 31.870+/-309.846 χ²/NDF: 29.0/28
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -9.617+/-227.253 χ²/NDF: 58.3/55
In: -36.031+/-309.425 χ²/NDF:42.9/49
Out: 62.531+/-289.866 χ²/NDF:59.0/52
All: 16.463+/-211.543 χ²/NDF: 102.0/102



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

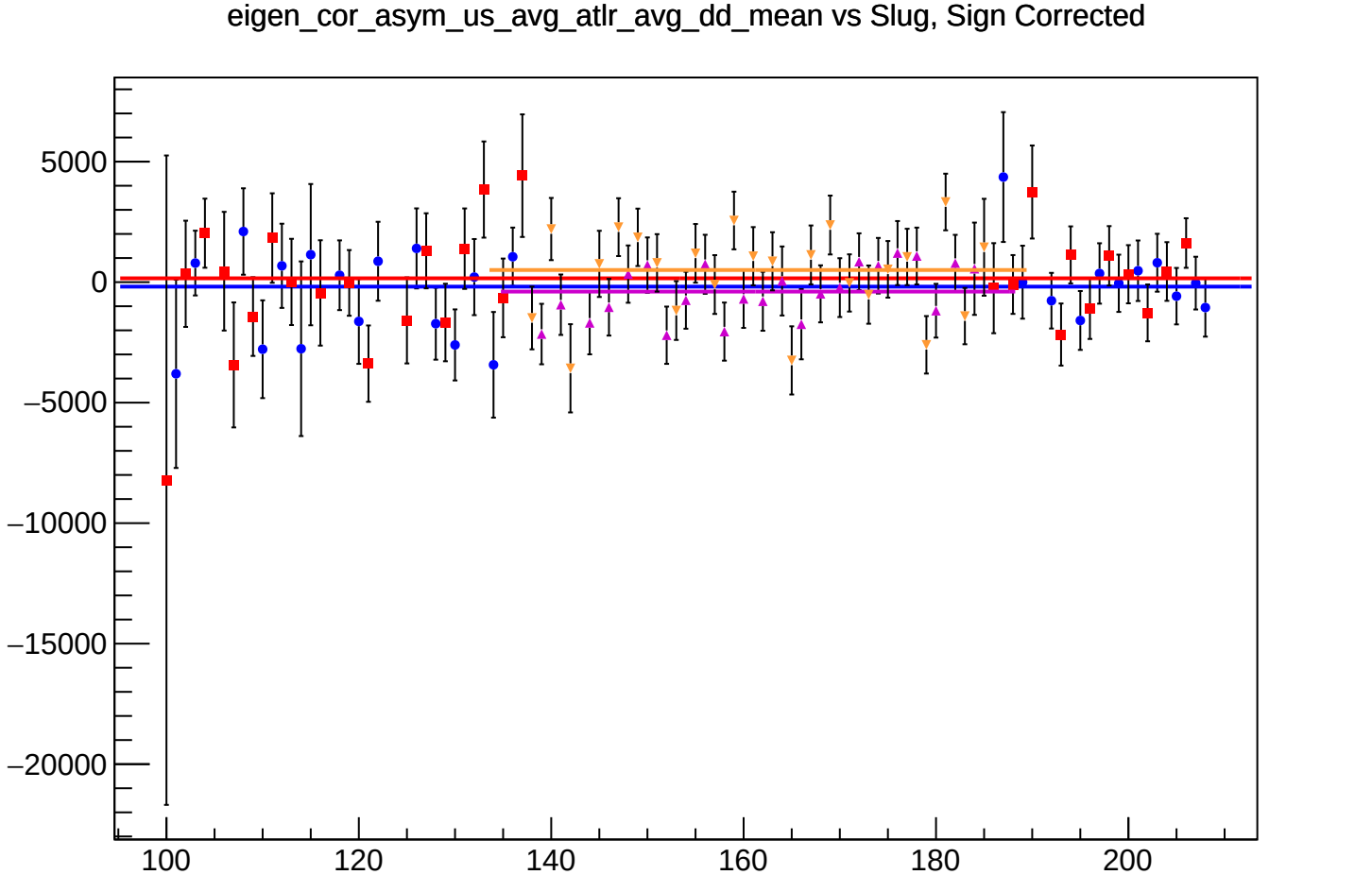
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

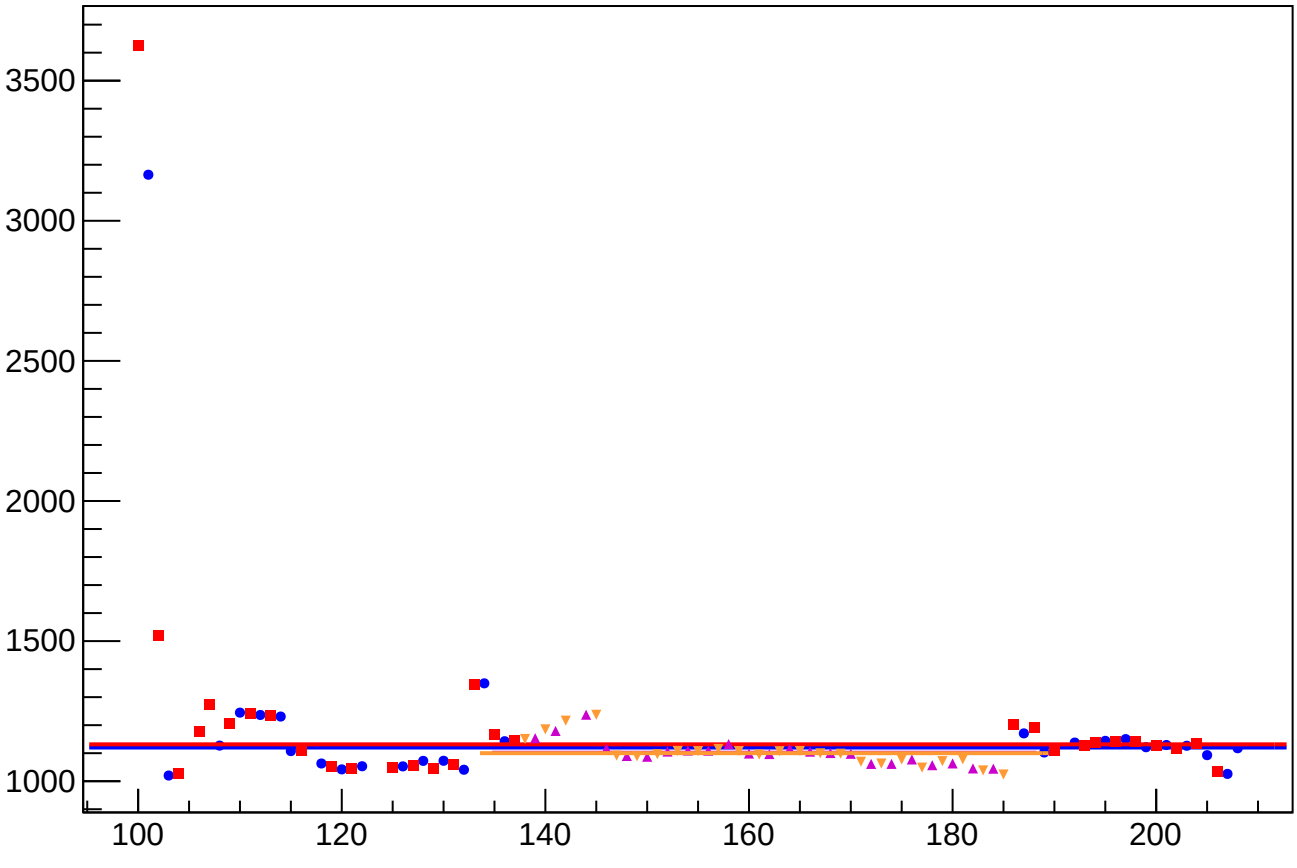
Right: 675.469+/-0.161 χ^2/NDF: 44298934.5/55

In: 1106.058+/-0.219 χ^2/NDF:42131453.2/49

Out: 991.555+/-0.205 χ^2/NDF:43959891.8/52

All: 1045.074+/-0.150 χ^2/NDF: 86237212.7/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -186.307+/-284.569 χ²/NDF: 21.0/26
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 158.935+/-285.767 χ²/NDF: 33.3/28
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: -14.411+/-201.643 χ²/NDF: 55.1/55
In: -299.273+/-190.888 χ²/NDF:39.1/49
Out: 350.504+/-190.484 χ²/NDF:78.7/52
All: 26.305+/-134.835 χ²/NDF: 123.6/102



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

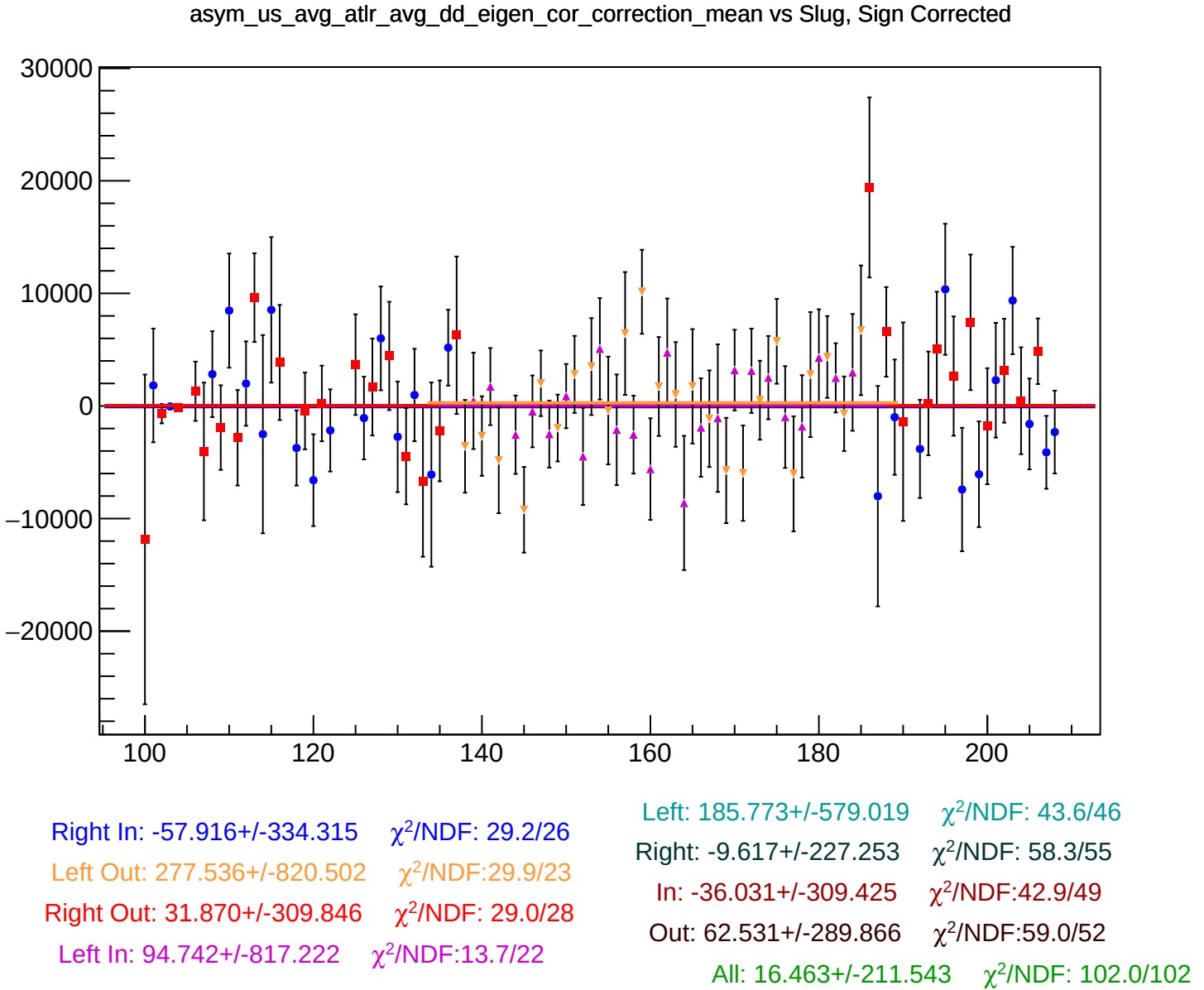
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

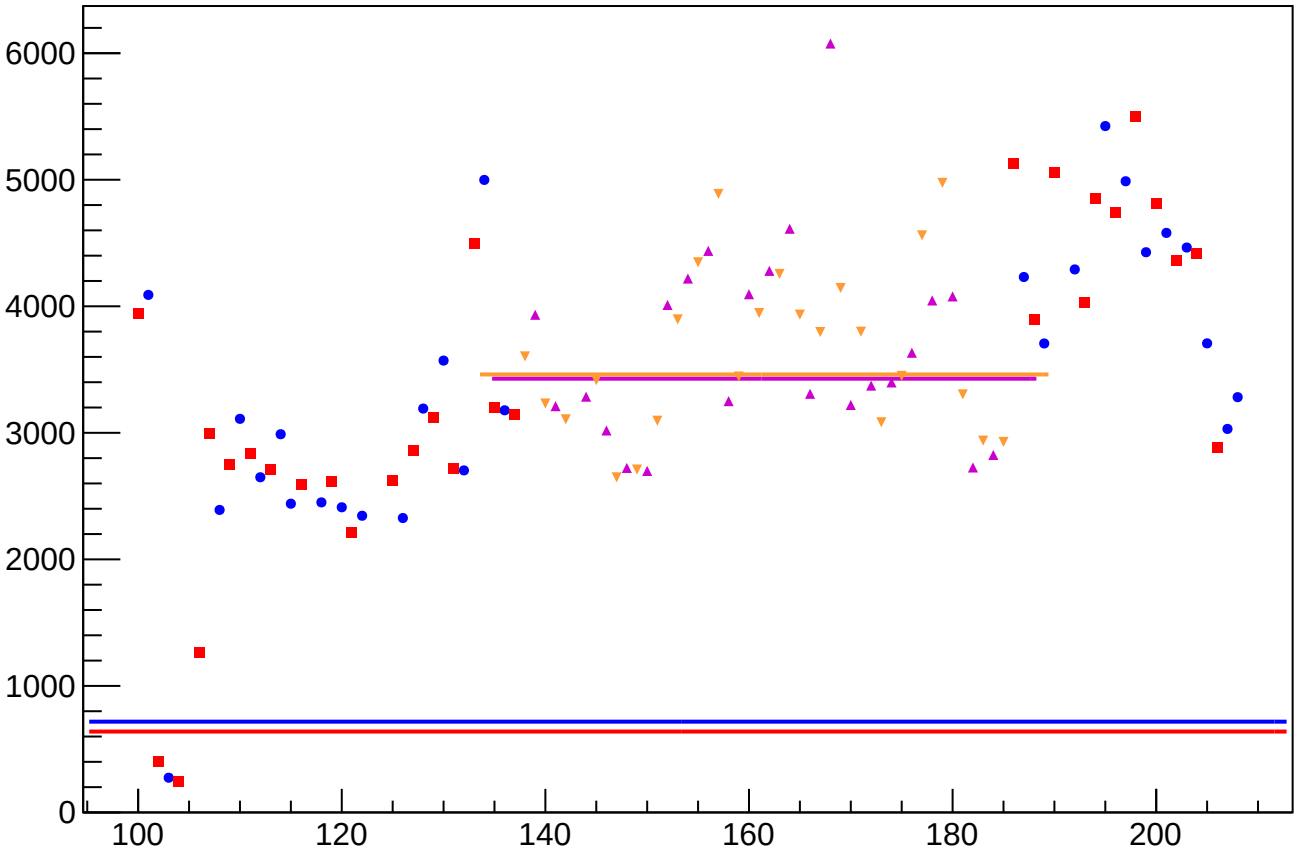
Right: 1125.882+/-0.143 χ^2/NDF: 891004.8/55

In: 1109.956+/-0.135 χ^2/NDF:698360.9/49

Out: 1114.059+/-0.135 χ^2/NDF:320216.5/52

All: 1112.012+/-0.095 χ^2/NDF: 1019040.3/10


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -57.916+/-334.315 χ²/NDF: 29.2/26
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 31.870+/-309.846 χ²/NDF: 29.0/28
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -9.617+/-227.253 χ²/NDF: 58.3/55
In: -36.031+/-309.425 χ²/NDF:42.9/49
Out: 62.531+/-289.866 χ²/NDF:59.0/52
All: 16.463+/-211.543 χ²/NDF: 102.0/102



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

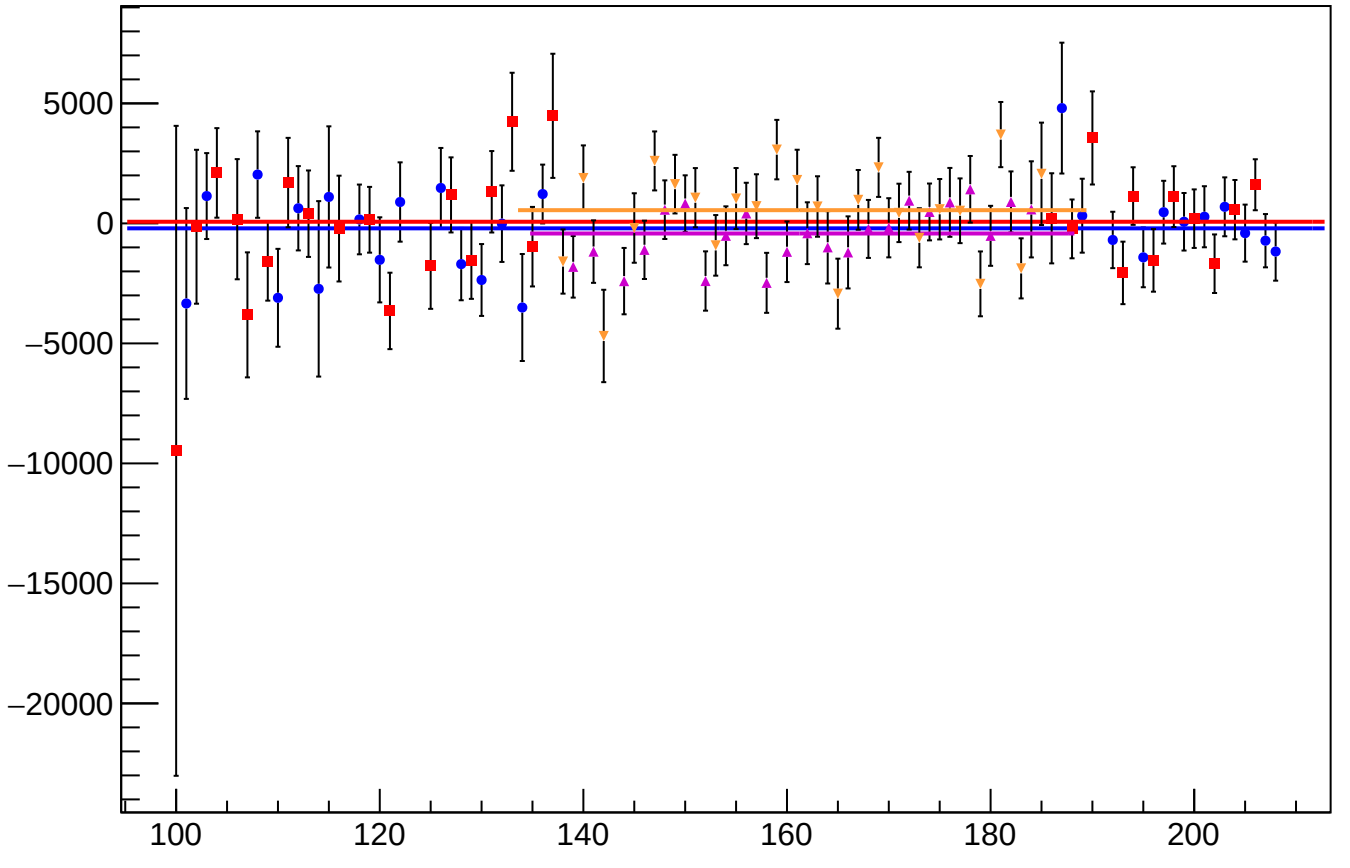
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 675.469+/-0.161 χ^2/NDF: 44298934.5/55

In: 1106.058+/-0.219 χ^2/NDF:42131453.2/49

Out: 991.555+/-0.205 χ^2/NDF:43959891.8/52

All: 1045.074+/-0.150 χ^2/NDF: 86237212.7/1



Right In: -206.499+/-291.280 χ^2/NDF: 20.8/26

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 68.515+/-293.651 χ^2/NDF: 35.0/28

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

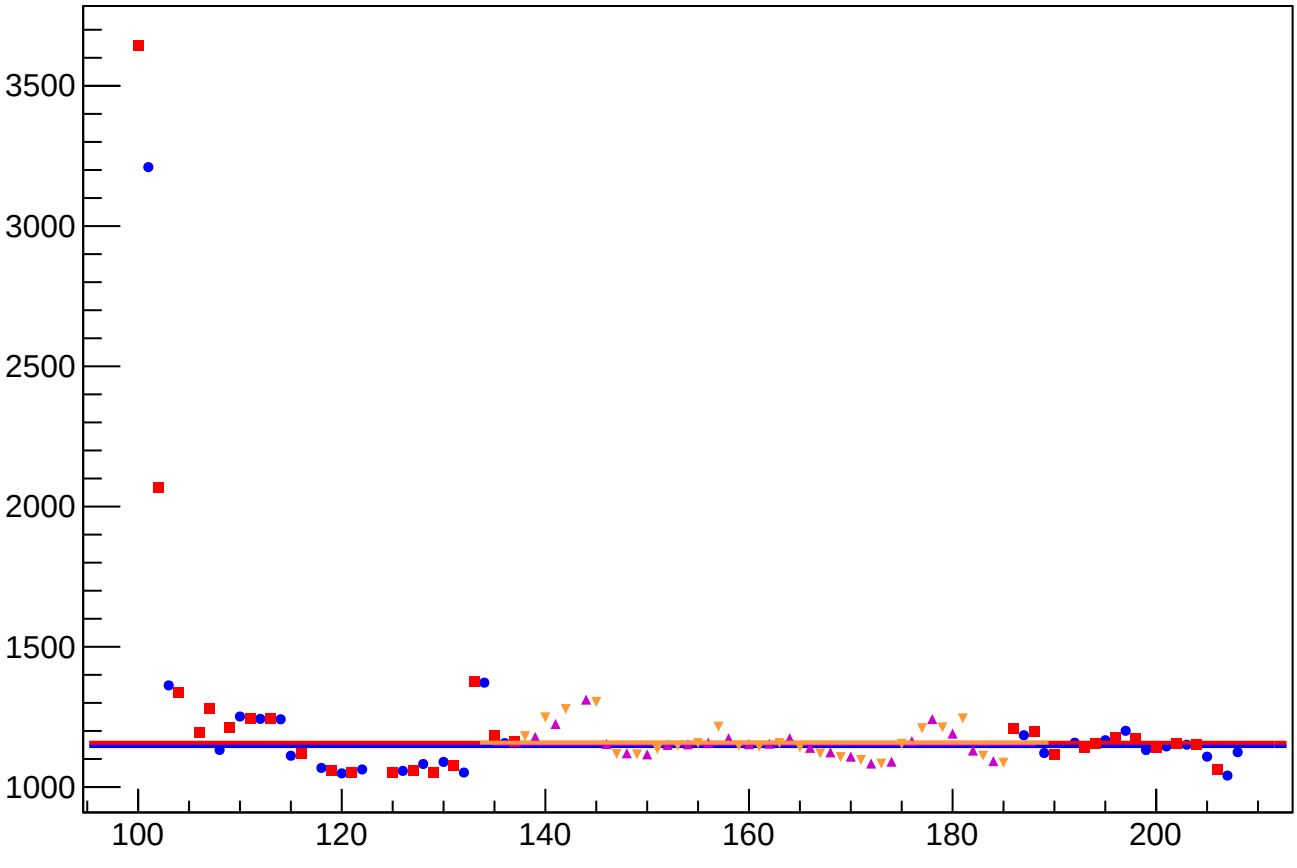
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -70.107+/-206.799 χ^2/NDF: 56.3/55

In: -321.955+/-197.942 χ^2/NDF:39.1/49

Out: 330.488+/-198.438 χ^2/NDF:81.7/52

All: 3.450+/-140.141 χ^2/NDF: 126.2/102



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.0/26

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.8/28

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

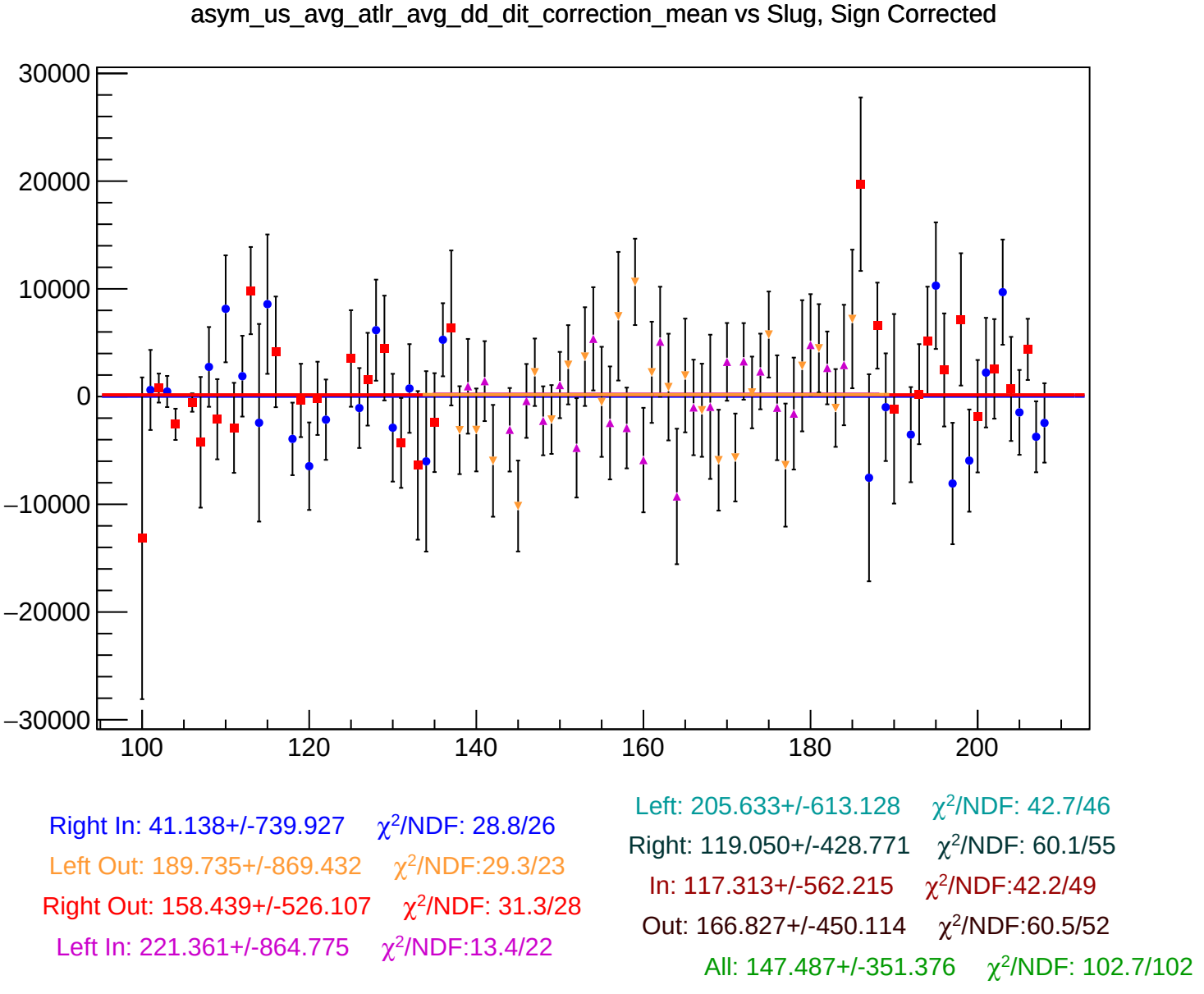
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

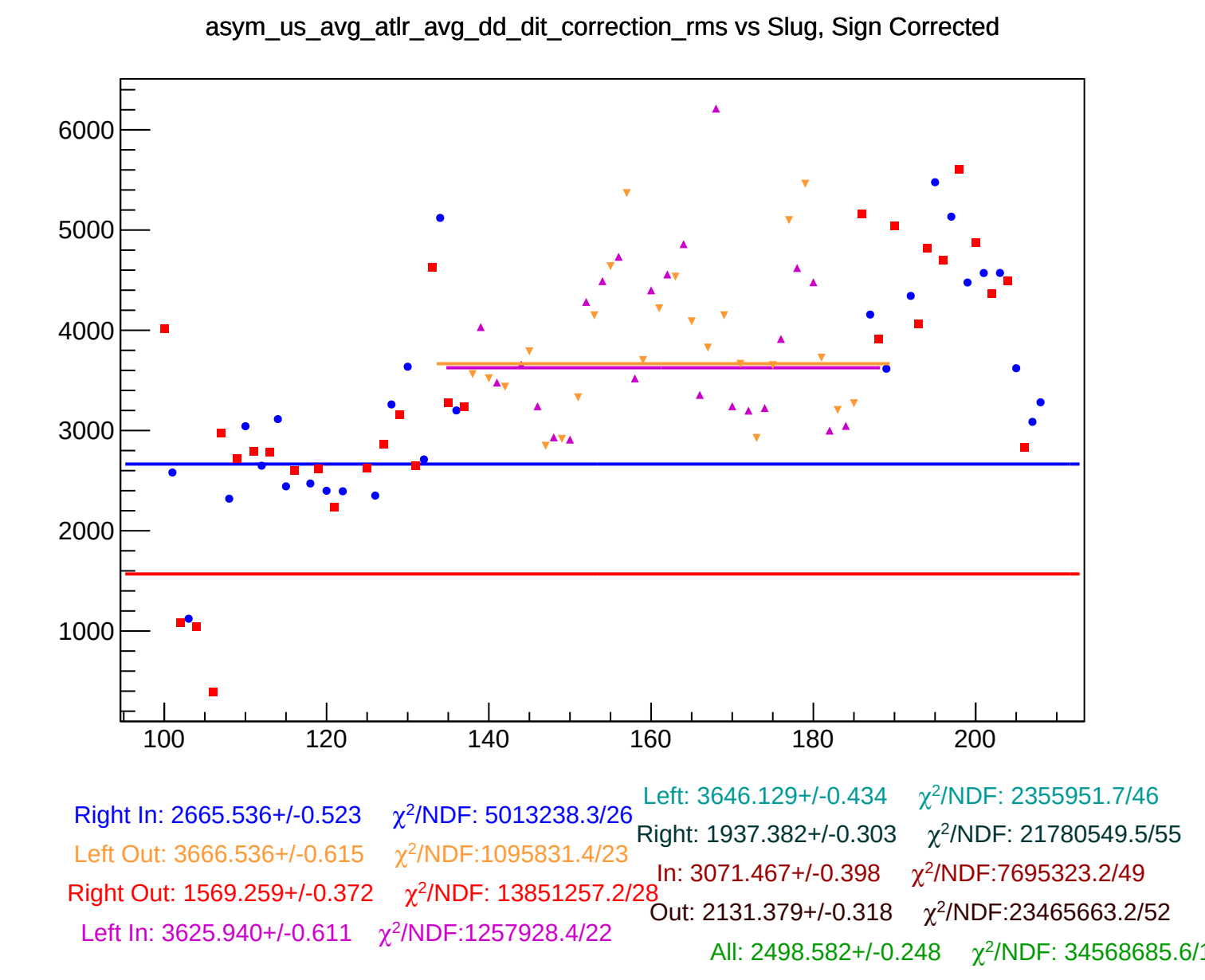
Right: 1151.984+/-0.146 χ^2/NDF: 1021629.5/55

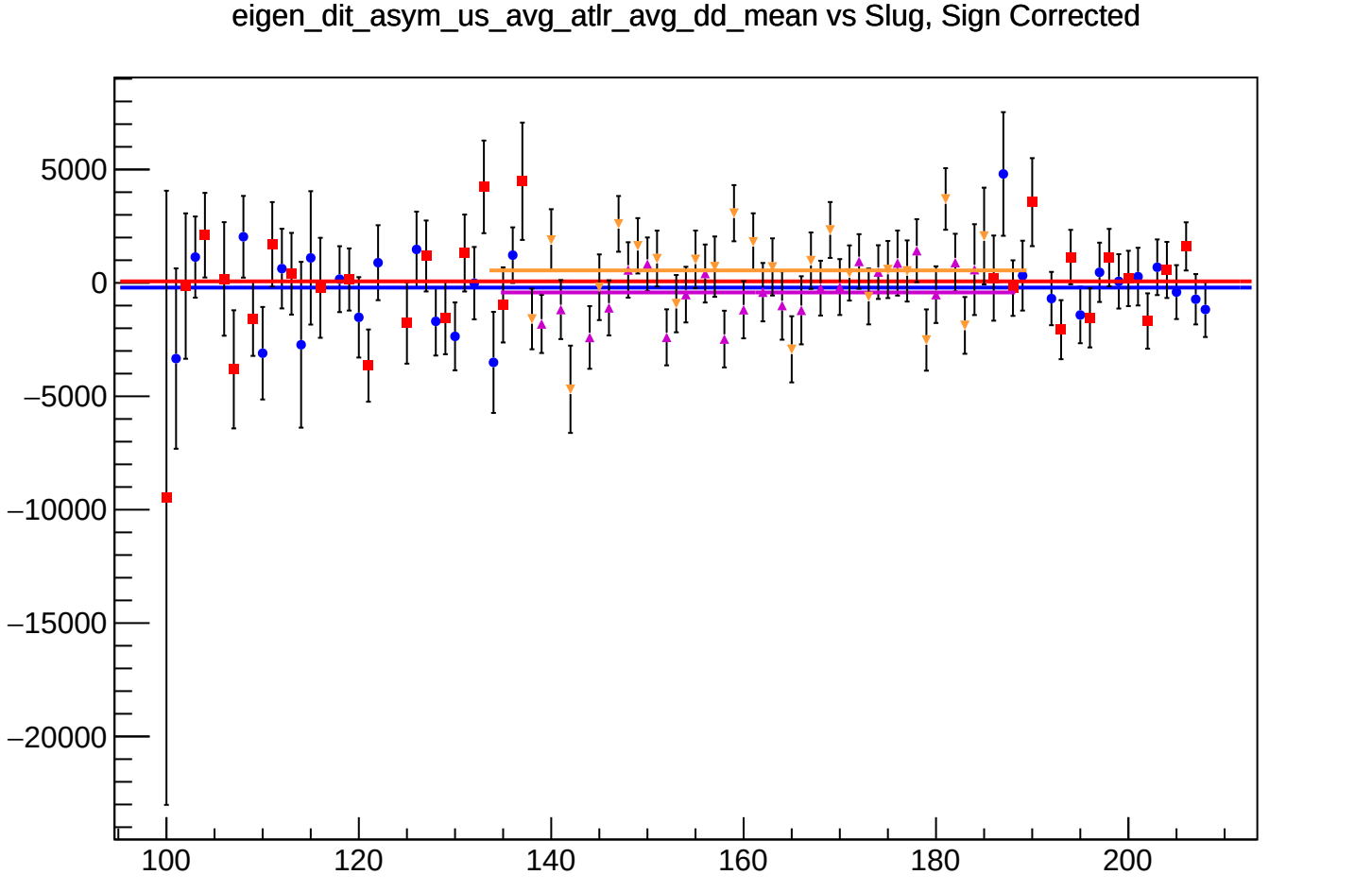
In: 1150.464+/-0.140 χ^2/NDF:731616.9/49

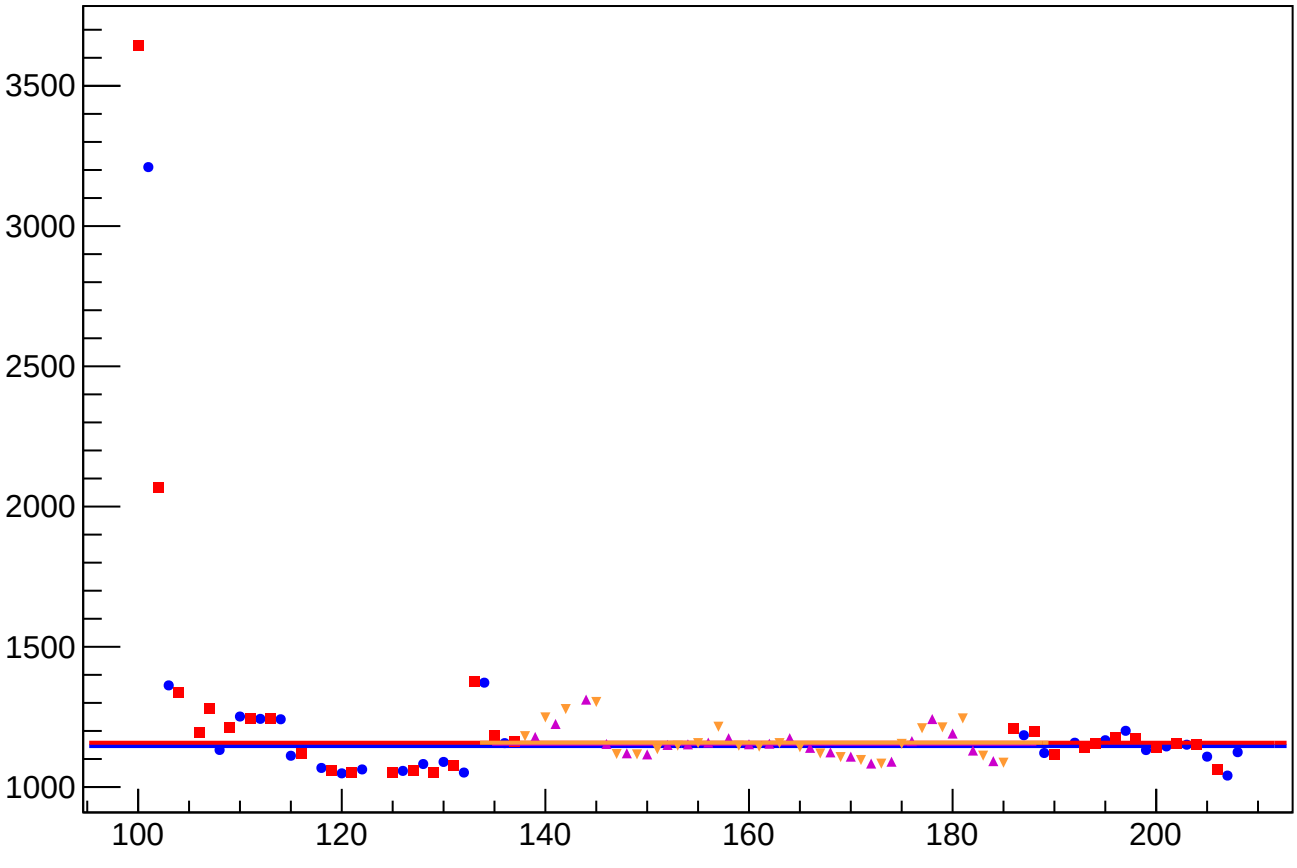
Out: 1158.091+/-0.140 χ^2/NDF:439786.0/52

All: 1154.268+/-0.099 χ^2/NDF: 1172883.8/10


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 41.138+/-739.927 χ²/NDF: 28.8/26
Left Out: 189.735+/-869.432 χ²/NDF:29.3/23
Right Out: 158.439+/-526.107 χ²/NDF: 31.3/28
Left In: 221.361+/-864.775 χ²/NDF:13.4/22
Left: 205.633+/-613.128 χ²/NDF: 42.7/46
Right: 119.050+/-428.771 χ²/NDF: 60.1/55
In: 117.313+/-562.215 χ²/NDF:42.2/49
Out: 166.827+/-450.114 χ²/NDF:60.5/52
All: 147.487+/-351.376 χ²/NDF: 102.7/102


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2665.536+/-0.523 χ²/NDF: 5013238.3/26
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1569.259+/-0.372 χ²/NDF: 13851257.2/28
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 1937.382+/-0.303 χ²/NDF: 21780549.5/55
In: 3071.467+/-0.398 χ²/NDF:7695323.2/49
Out: 2131.379+/-0.318 χ²/NDF:23465663.2/52
All: 2498.582+/-0.248 χ²/NDF: 34568685.6/


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -206.497+/-291.280 χ²/NDF: 20.8/26
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 68.514+/-293.651 χ²/NDF: 35.0/28
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -70.106+/-206.799 χ²/NDF: 56.3/55
In: -321.954+/-197.942 χ²/NDF:39.1/49
Out: 330.489+/-198.438 χ²/NDF:81.7/52
All: 3.451+/-140.141 χ²/NDF: 126.2/102



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.3/26

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.6/28

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

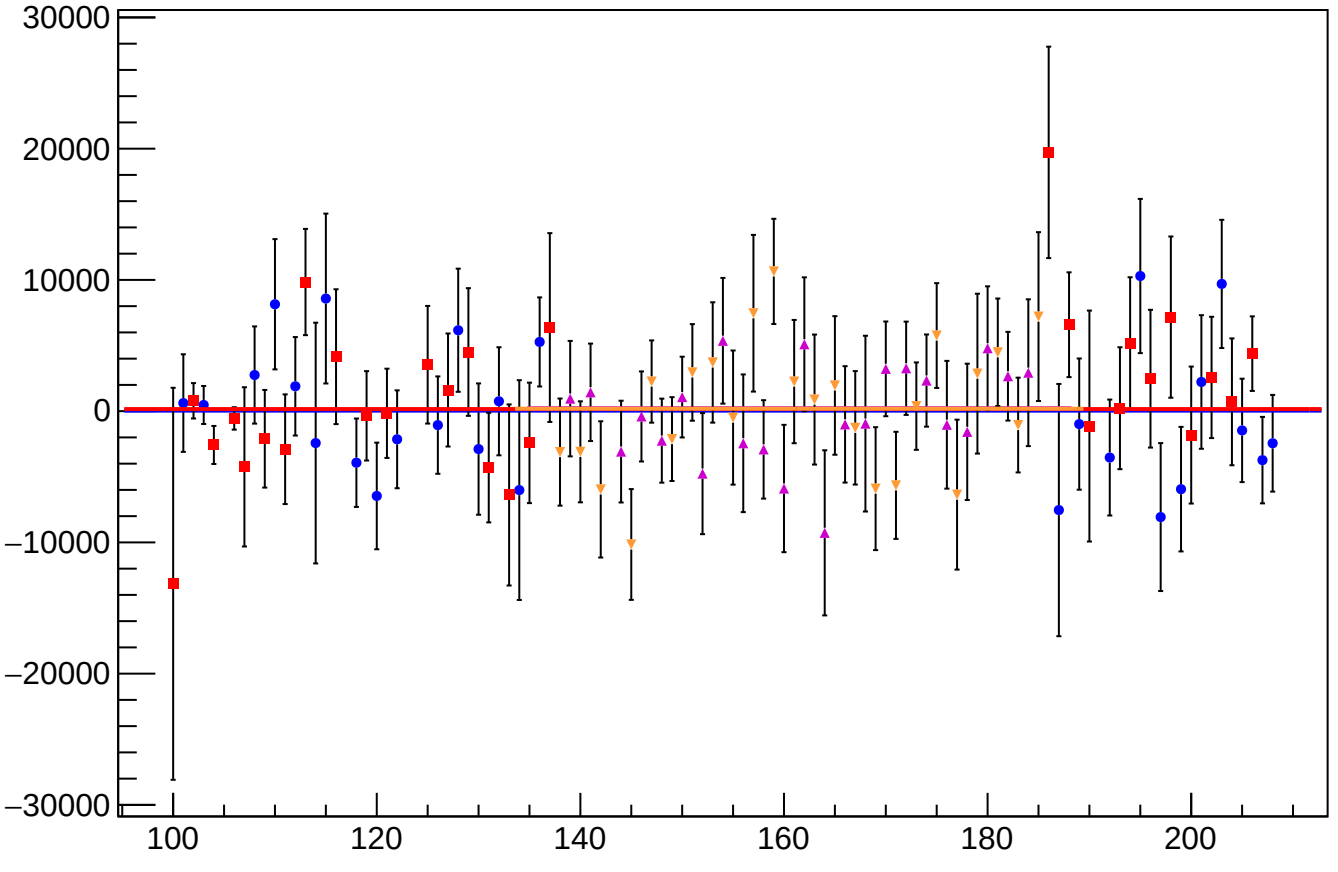
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1151.984+/-0.146 χ^2/NDF: 1021629.7/55

In: 1150.465+/-0.140 χ^2/NDF:731620.0/49

Out: 1158.091+/-0.140 χ^2/NDF:439788.3/52

All: 1154.269+/-0.099 χ^2/NDF: 1172889.2/10



Right In: 41.136+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: 158.426+/-526.101 χ^2/NDF: 31.3/28

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

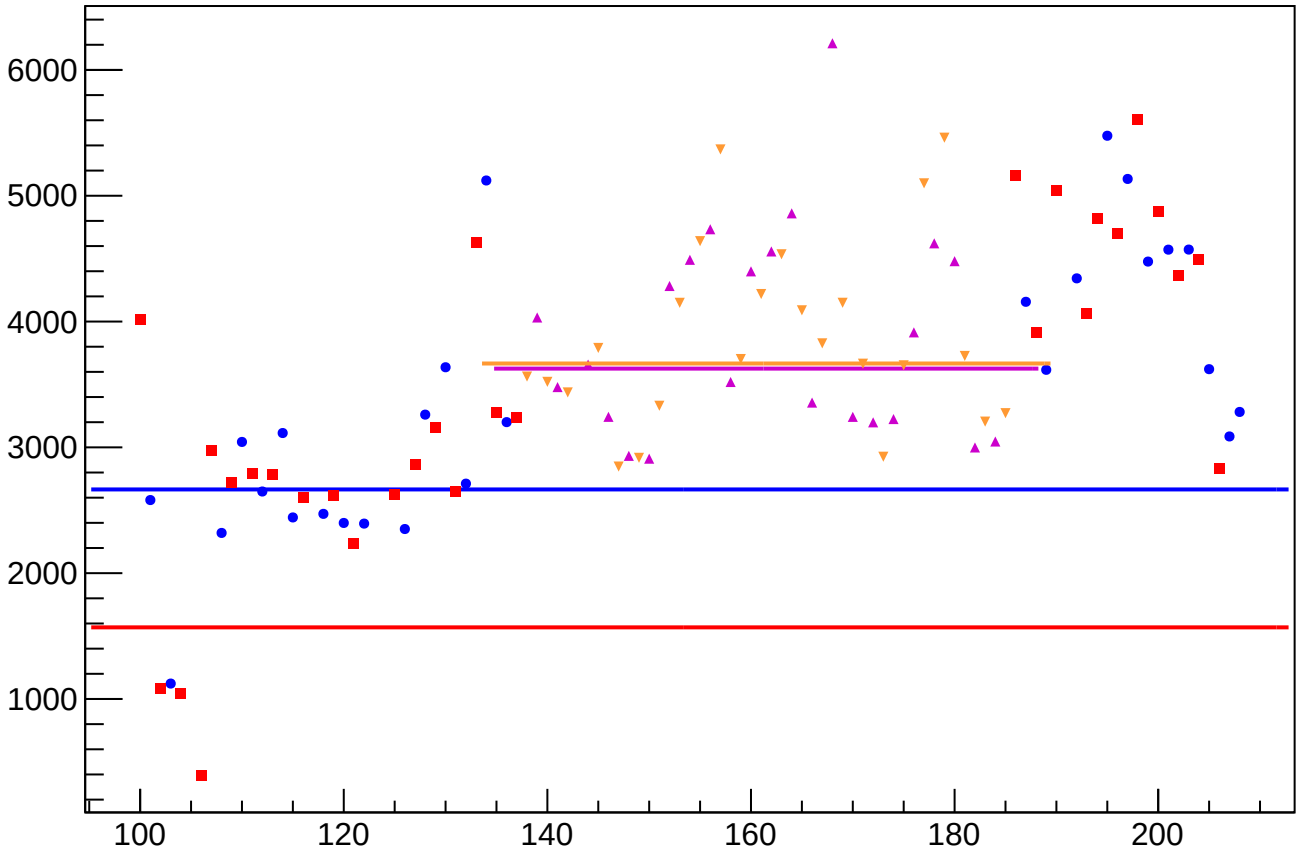
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 119.041+/-428.768 χ^2/NDF: 60.1/55

In: 117.312+/-562.215 χ^2/NDF:42.2/49

Out: 166.818+/-450.111 χ^2/NDF:60.5/52

All: 147.480+/-351.374 χ^2/NDF: 102.7/102



Right In: 2665.533+/-0.523 χ^2/NDF: 5013257.6/26

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1569.231+/-0.372 χ^2/NDF: 13851533.5/28

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

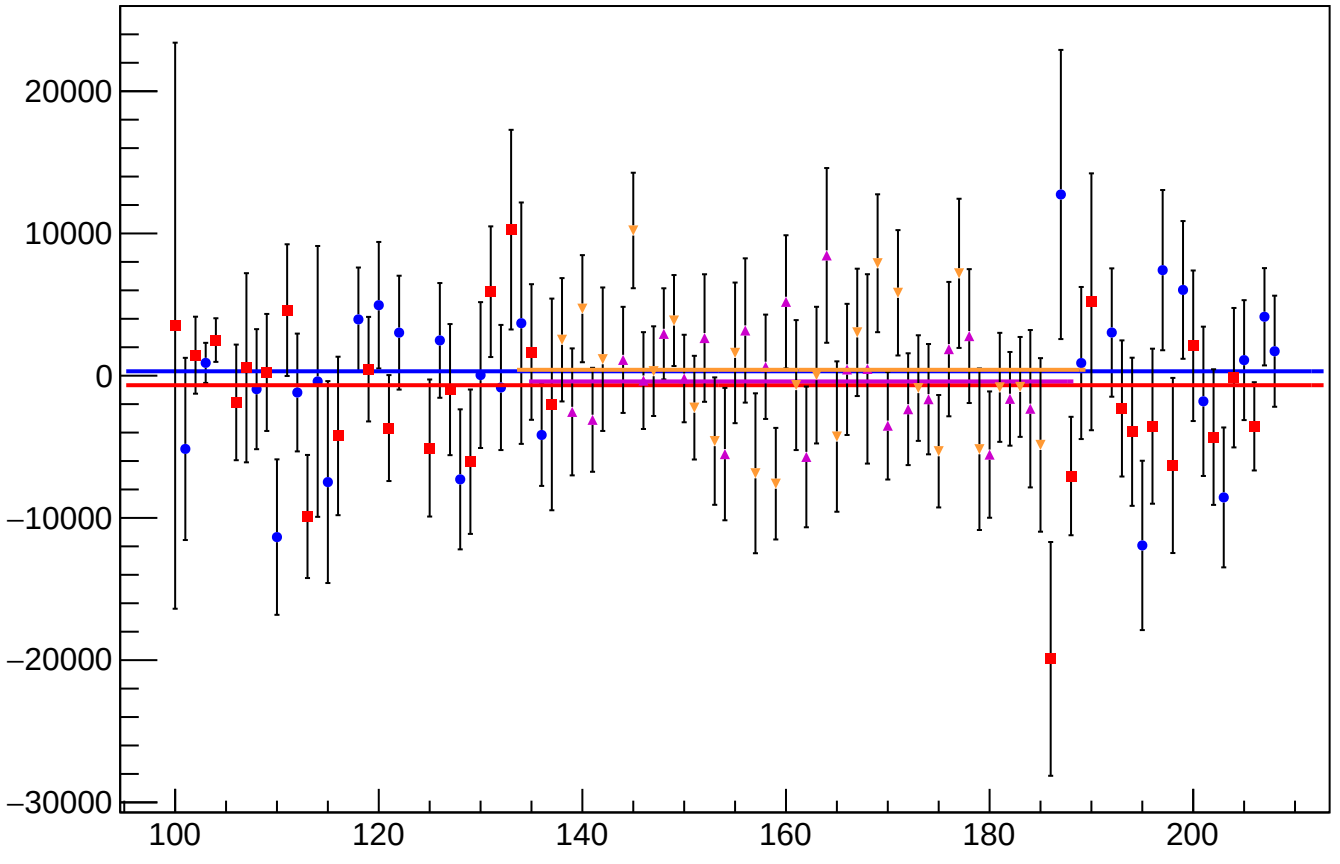
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1937.357+/-0.303 χ^2/NDF: 21781004.2/55

In: 3071.467+/-0.398 χ^2/NDF:7695368.2/49

Out: 2131.350+/-0.318 χ^2/NDF:23466244.5/52

All: 2498.561+/-0.248 χ^2/NDF: 34569536.6/



Right In: 309.503+/-775.989 χ^2/NDF: 27.8/26

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -669.500+/-768.299 χ^2/NDF: 30.5/28

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

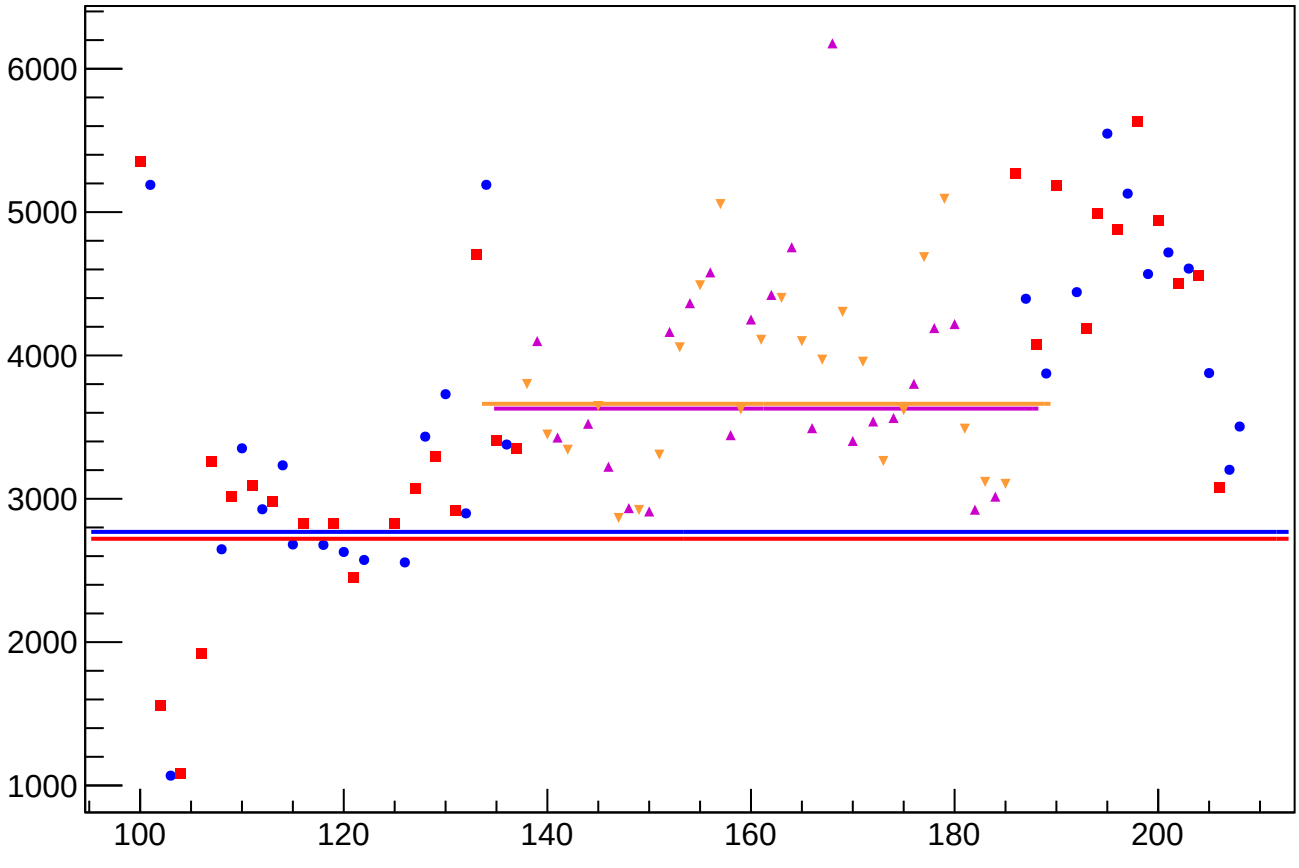
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -184.873+/-545.968 χ^2/NDF: 59.1/55

In: -9.502+/-576.856 χ^2/NDF:40.5/49

Out: -192.103+/-574.525 χ^2/NDF:58.5/52

All: -101.172+/-407.072 χ^2/NDF: 99.1/102



Right In: 2769.124+/-0.549 χ^2/NDF: 5846232.9/26

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2721.014+/-0.542 χ^2/NDF: 5908909.0/28

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

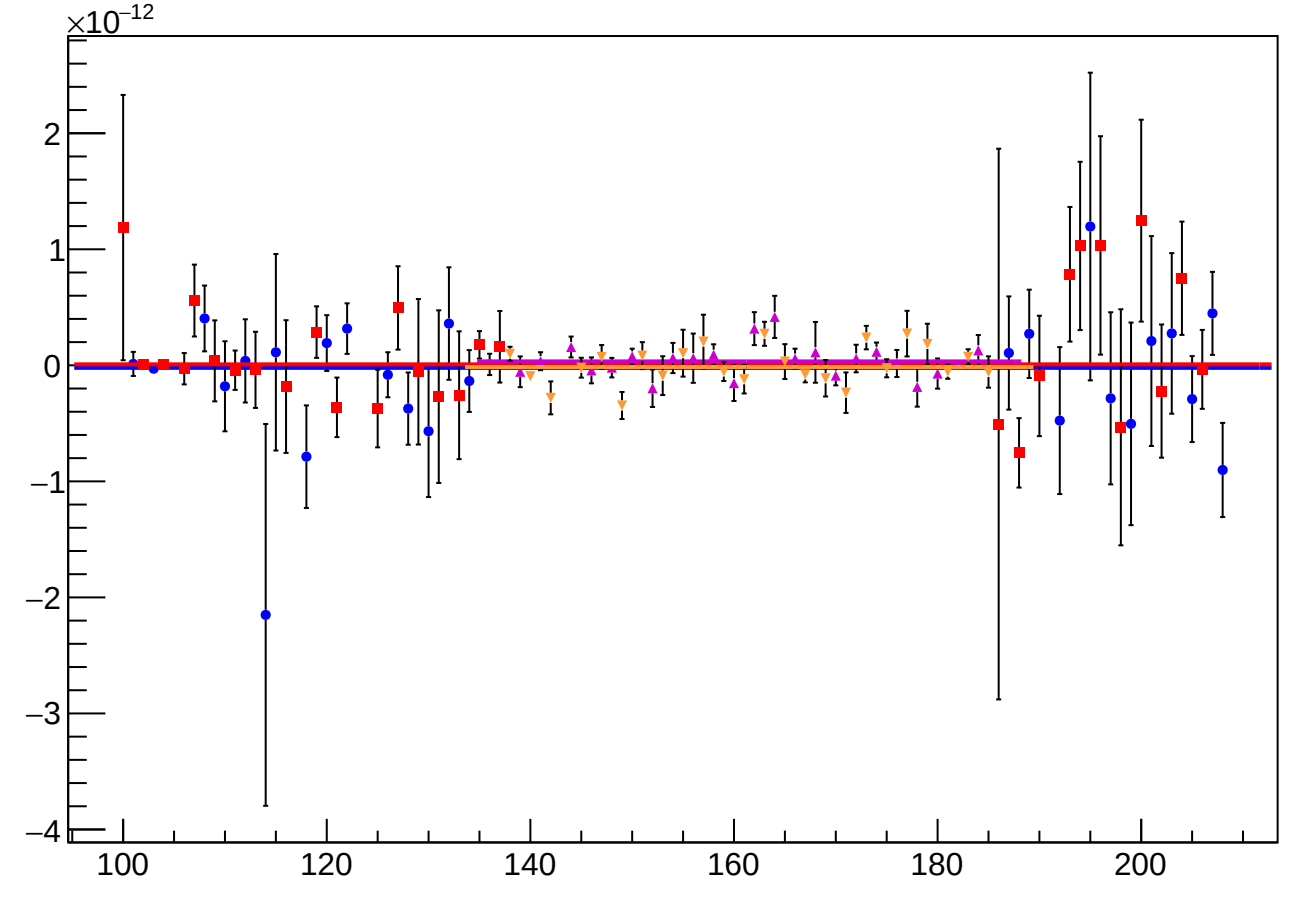
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2744.787+/-0.386 χ^2/NDF: 11759030.7/55

In: 3153.900+/-0.408 χ^2/NDF:8000331.9/49

Out: 3135.288+/-0.406 χ^2/NDF:8128770.5/52

All: 3144.547+/-0.288 χ^2/NDF: 16130148.7/



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

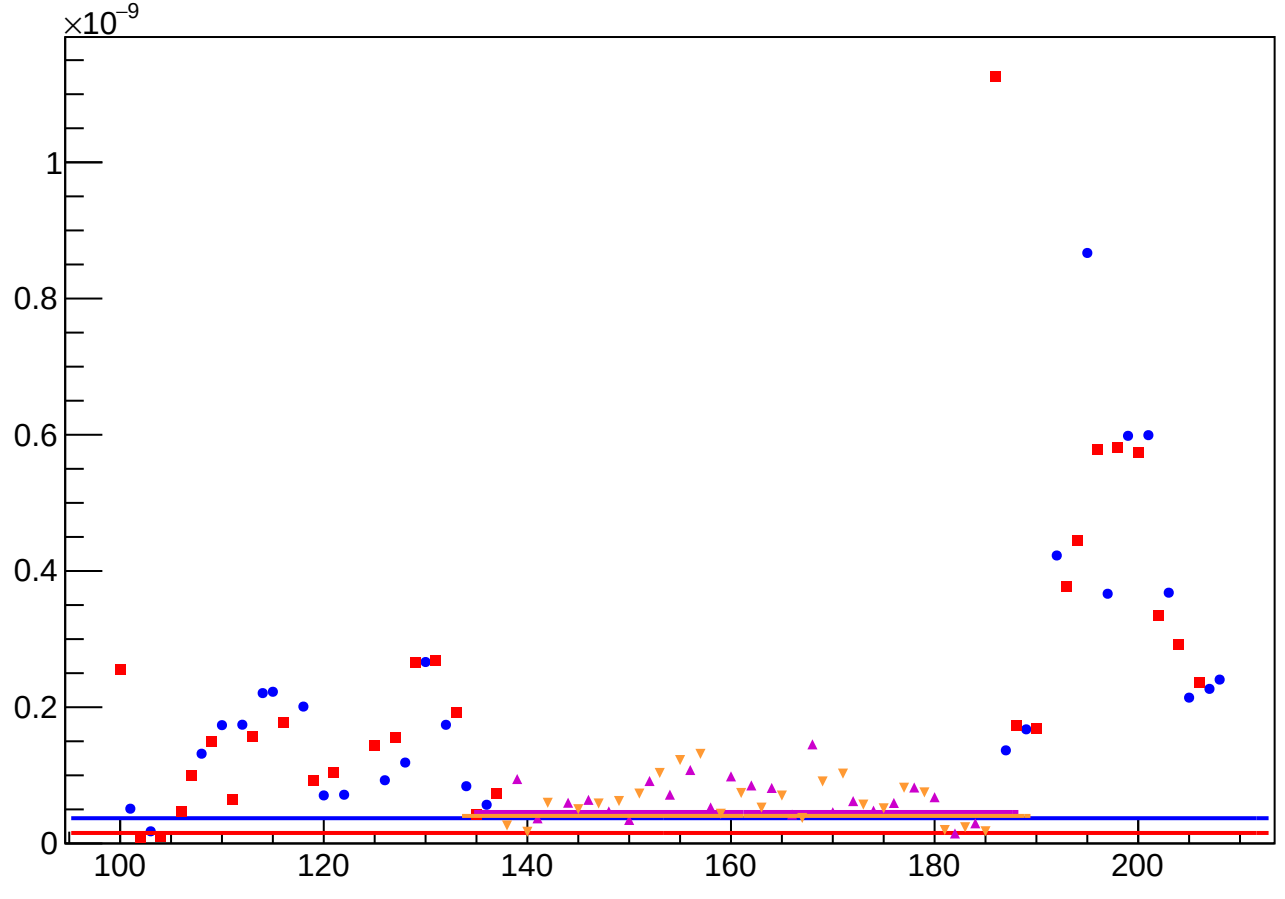
Right: 0.000+/-0.000 χ^2/NDF: 54.7/55

In: 0.000+/-0.000 χ^2/NDF:49.2/49

Out: -0.000+/-0.000 χ^2/NDF:76.5/52

All: 0.000+/-0.000 χ^2/NDF: 126.1/102

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8936003.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10620115.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

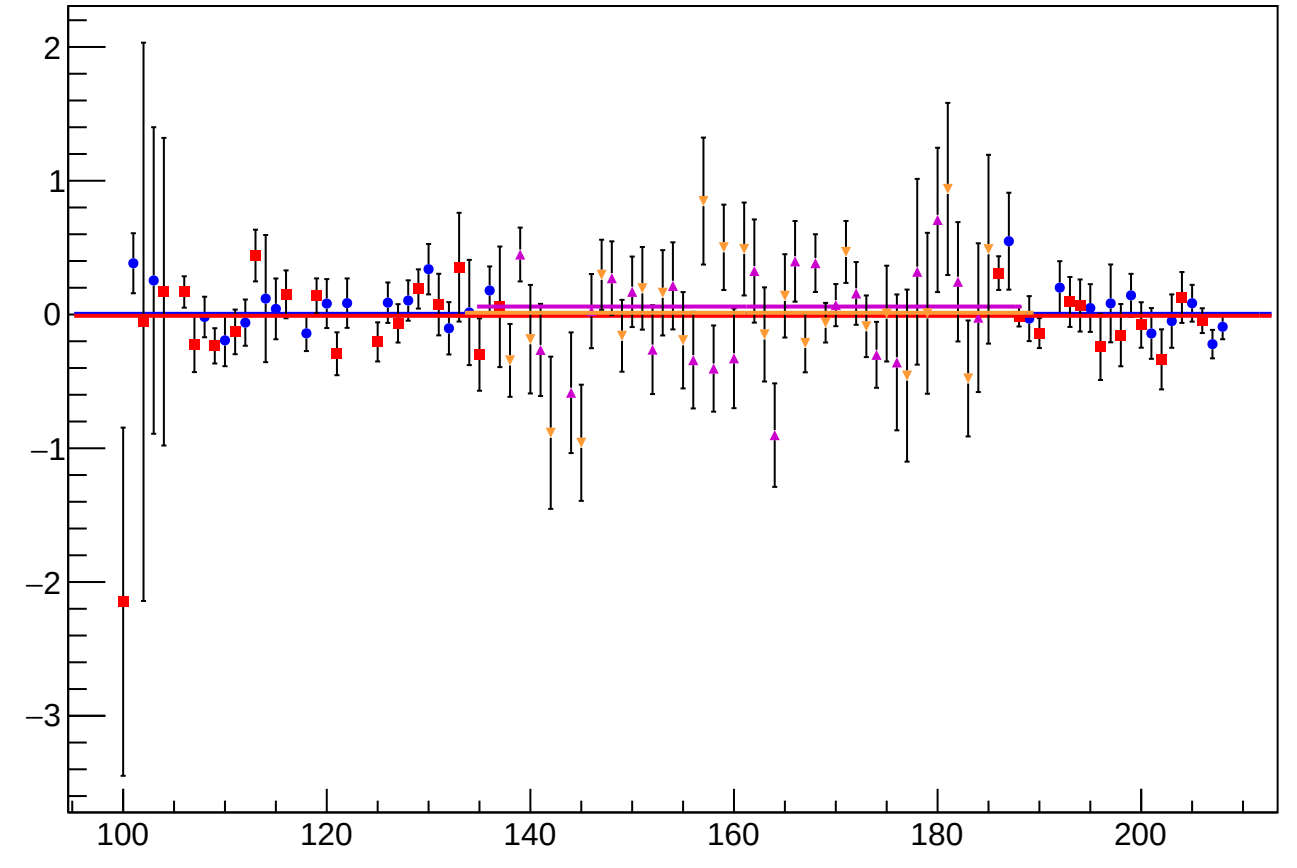
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 20656960.5/55

In: 0.000+/-0.000 χ^2/NDF:12051116.3/49

Out: 0.000+/-0.000 χ^2/NDF:16264919.5/52

All: 0.000+/-0.000 χ^2/NDF: 29919843.1/102



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

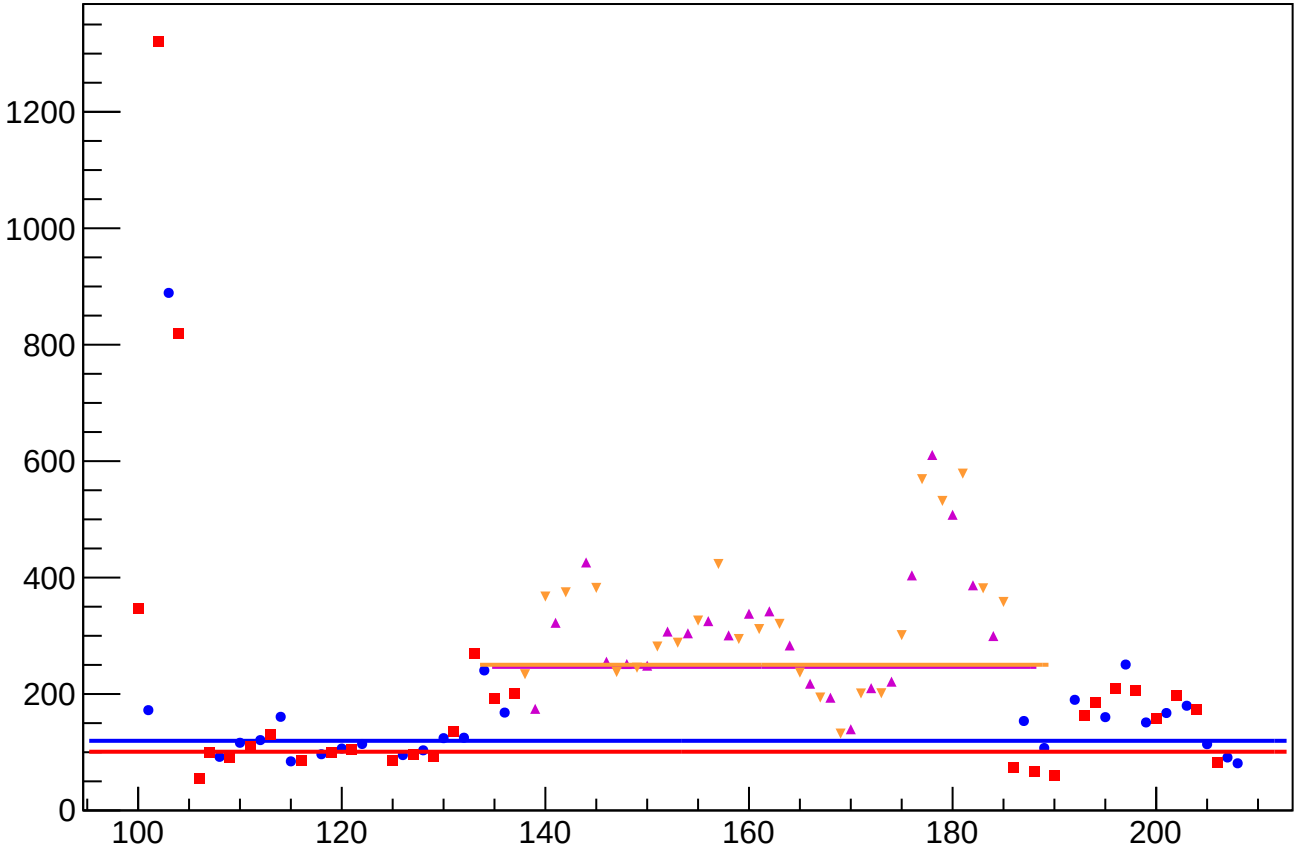
Right: -0.003+/-0.022 χ^2/NDF: 60.2/55

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.005+/-0.020 χ^2/NDF: 118.4/102

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

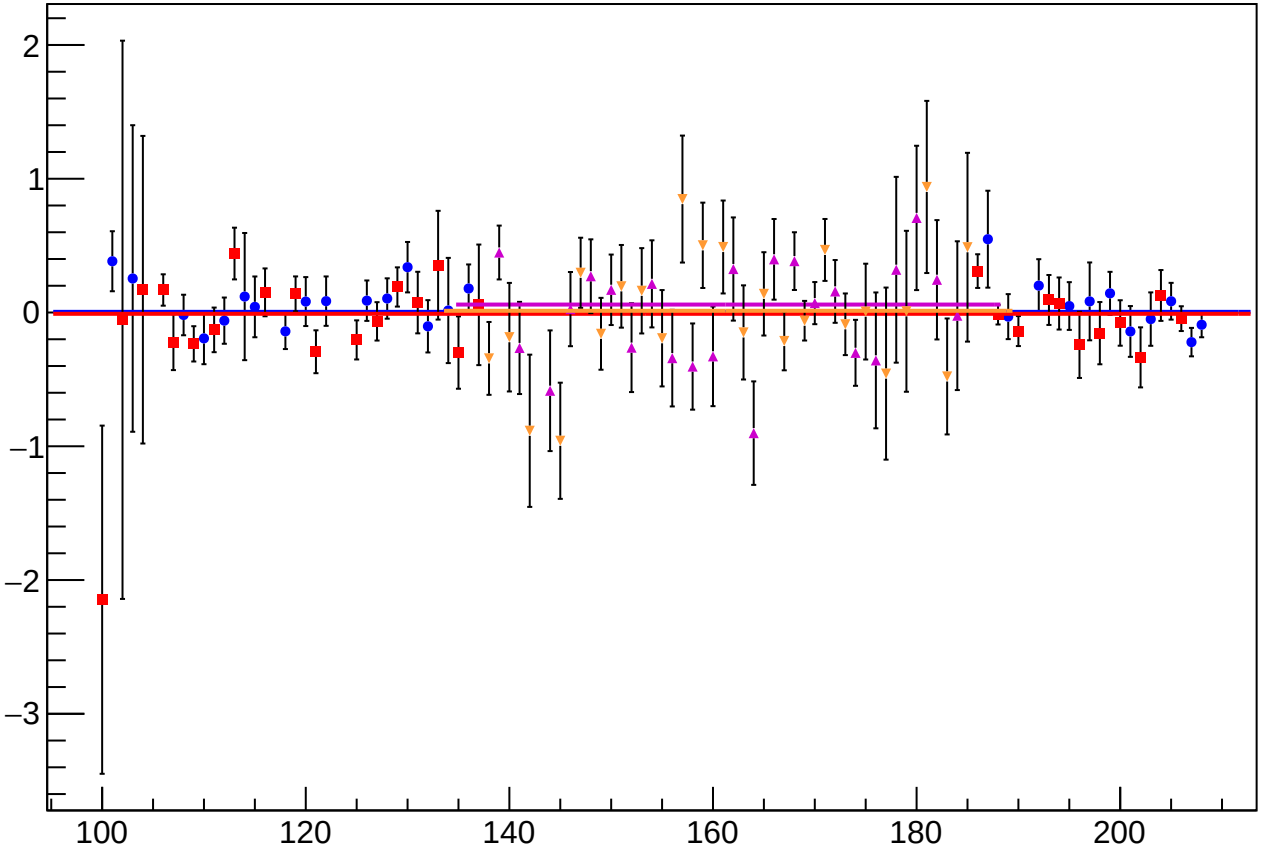
Right: 109.128+/-0.016 χ^2/NDF: 9457632.8/55

In: 148.020+/-0.021 χ^2/NDF:13582156.6/49

Out: 127.753+/-0.019 χ^2/NDF:19378111.9/52

All: 136.952+/-0.014 χ^2/NDF: 33482123.7/10

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

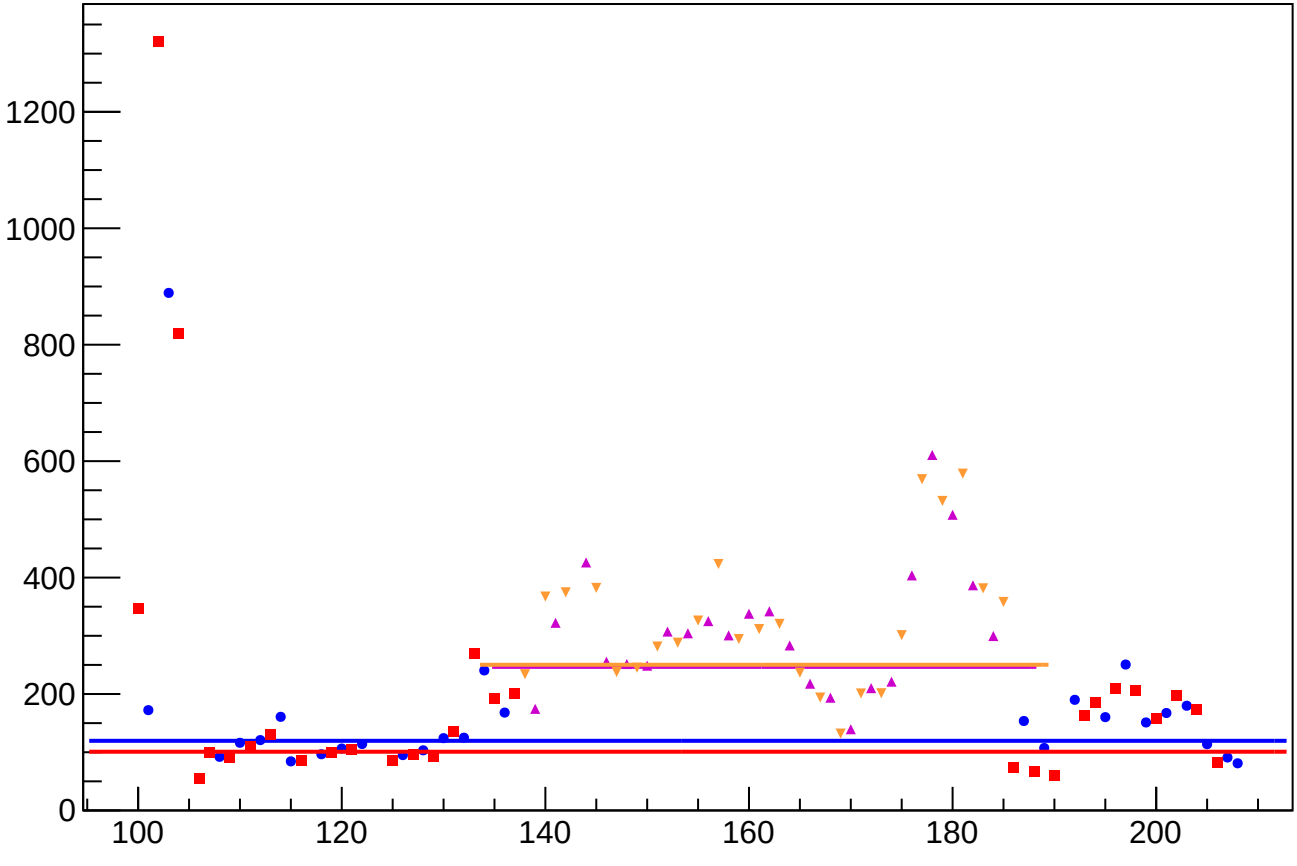
Right: -0.003+/-0.022 χ^2/NDF: 60.2/55

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.005+/-0.020 χ^2/NDF: 118.4/102

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

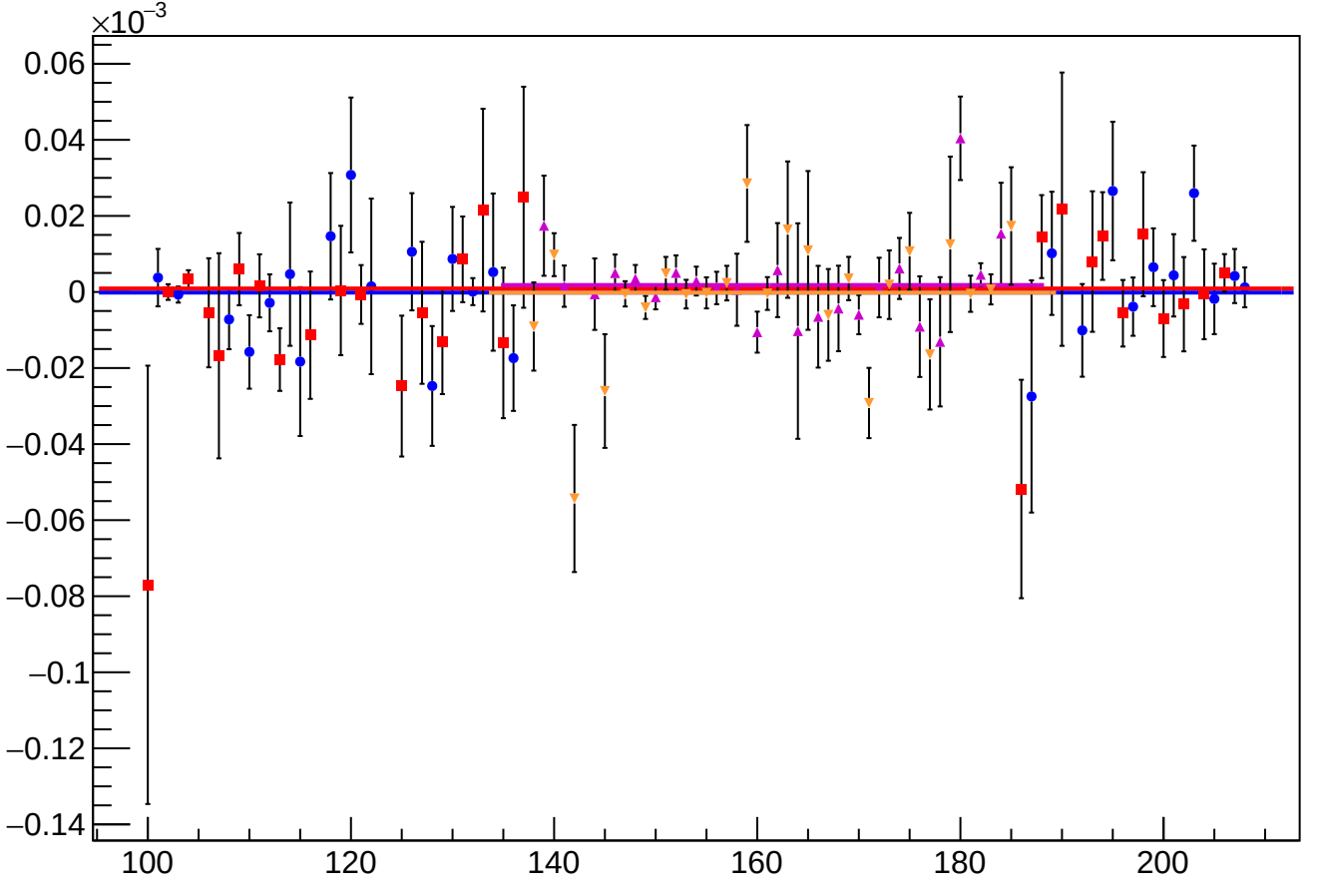
Right: 109.128+/-0.016 χ^2/NDF: 9457632.8/55

In: 148.020+/-0.021 χ^2/NDF:13582156.6/49

Out: 127.753+/-0.019 χ^2/NDF:19378111.9/52

All: 136.952+/-0.014 χ^2/NDF: 33482123.7/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

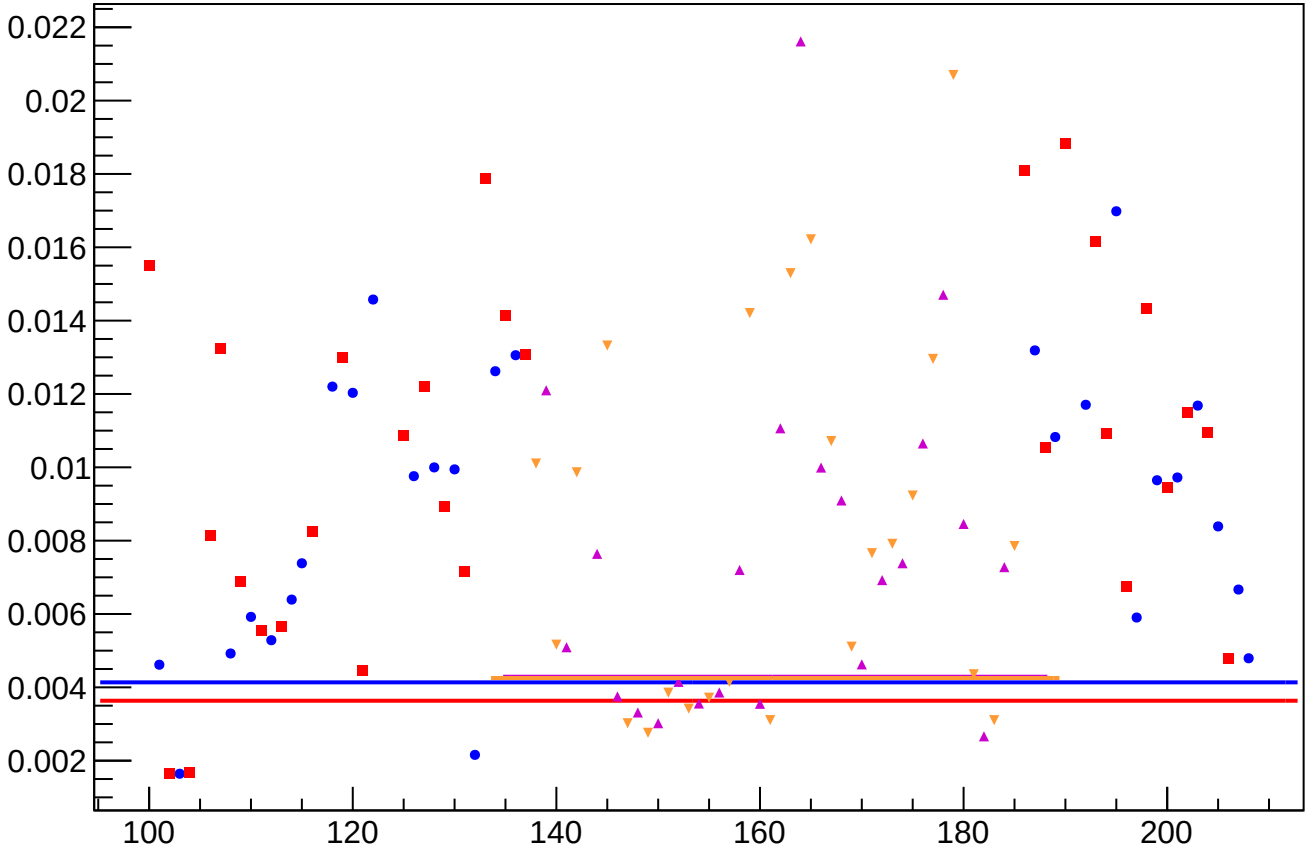
Right: 0.000+/-0.000 χ^2/NDF: 47.6/55

In: 0.000+/-0.000 χ^2/NDF:51.9/49

Out: 0.000+/-0.000 χ^2/NDF:62.3/52

All: 0.000+/-0.000 χ^2/NDF: 114.5/102

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 11812389.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14400407.2/28

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

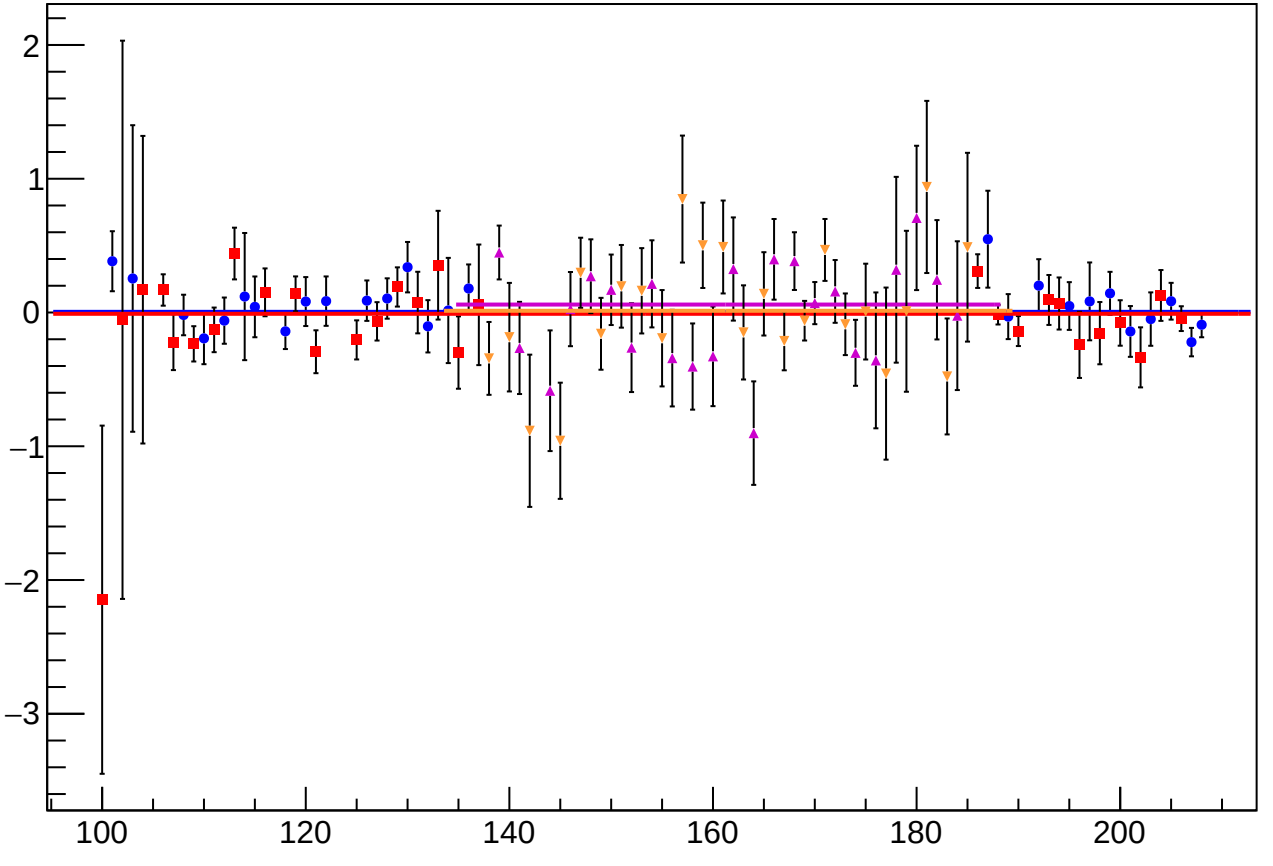
Right: 0.004+/-0.000 χ^2/NDF: 26354962.9/55

In: 0.004+/-0.000 χ^2/NDF:18425208.5/49

Out: 0.004+/-0.000 χ^2/NDF:23149507.6/52

All: 0.004+/-0.000 χ^2/NDF: 41657027.9/102

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

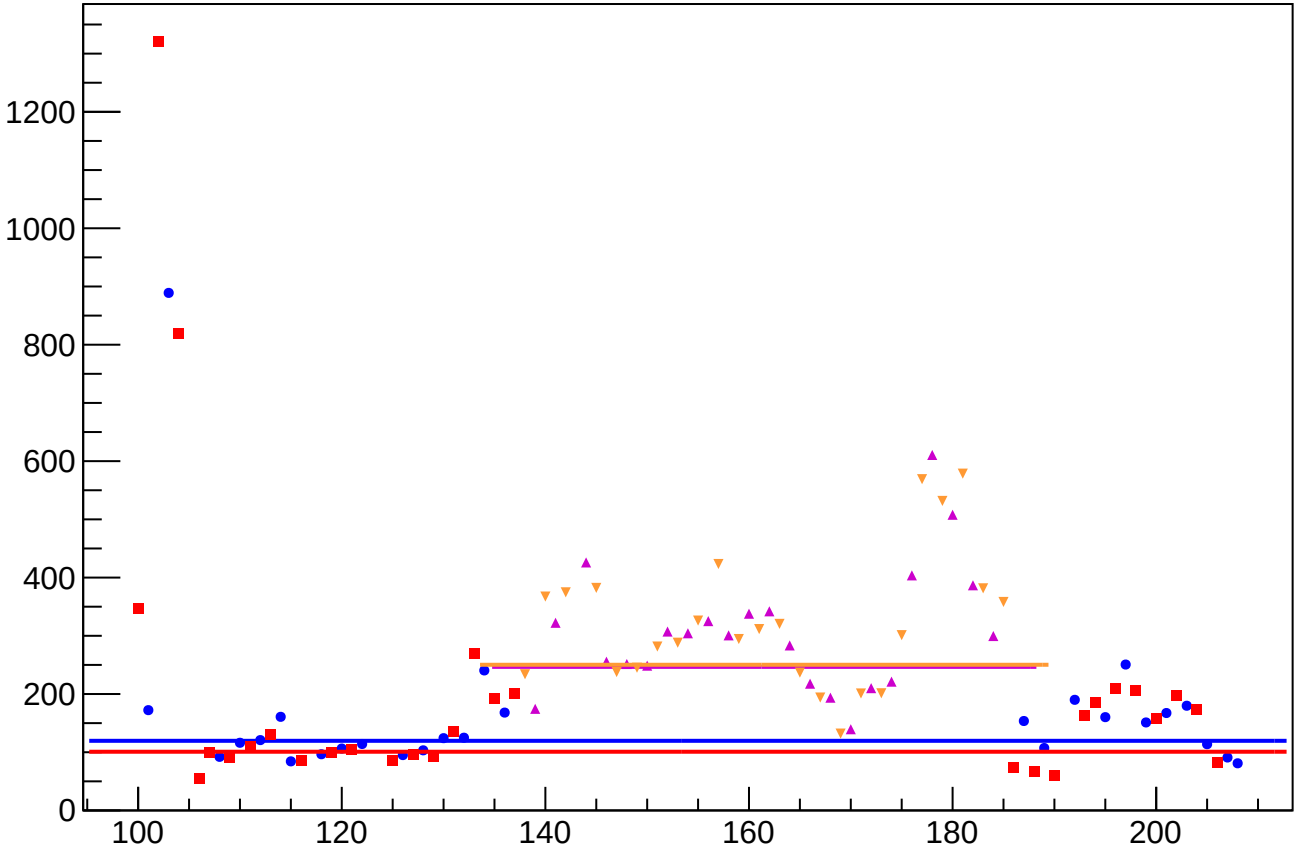
Right: -0.003+/-0.022 χ^2/NDF: 60.2/55

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.005+/-0.020 χ^2/NDF: 118.4/102

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

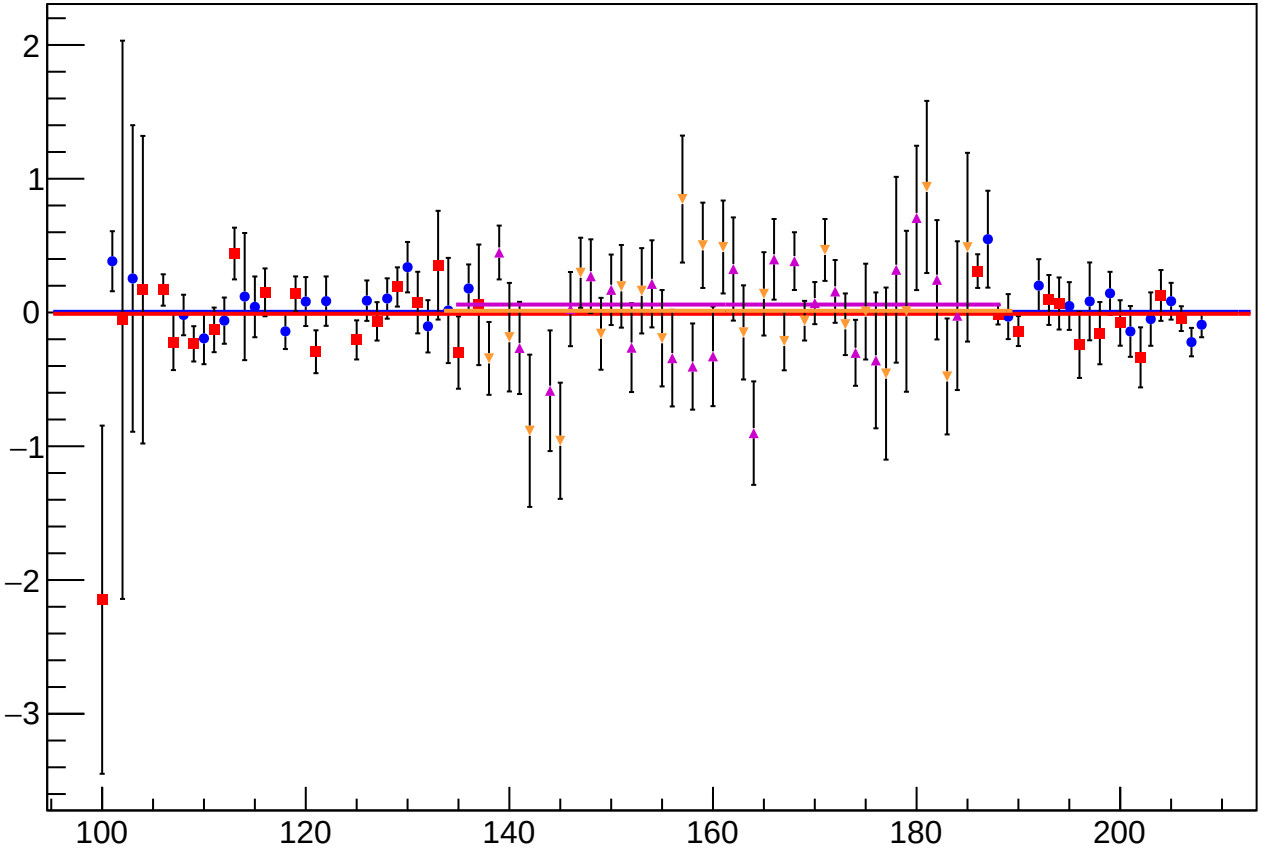
Right: 109.125+/-0.016 χ^2/NDF: 9458383.9/55

In: 148.019+/-0.021 χ^2/NDF:13582531.7/49

Out: 127.748+/-0.019 χ^2/NDF:19379428.4/52

All: 136.948+/-0.014 χ^2/NDF: 33484012.0/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.010+/-0.030 χ^2/NDF: 38.5/28

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

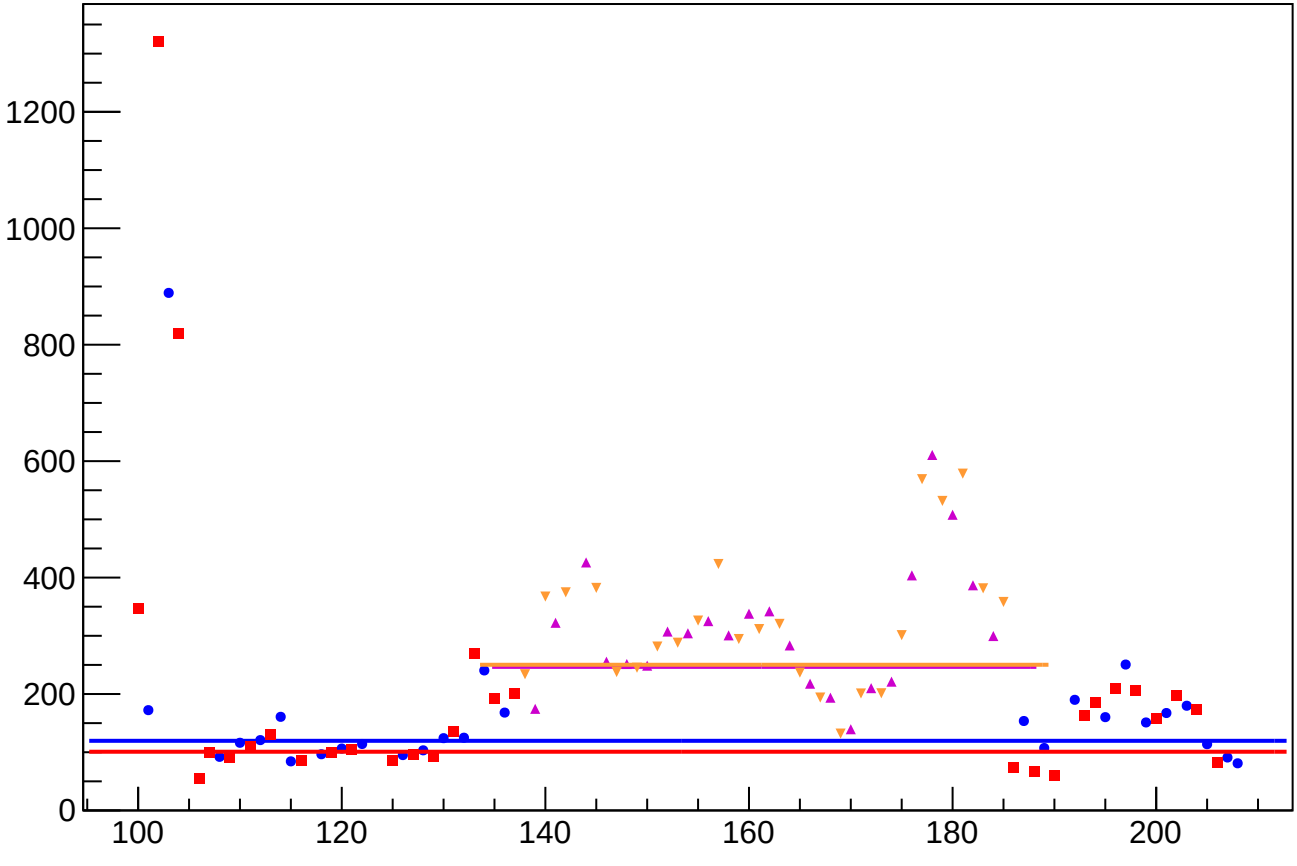
Right: -0.003+/-0.022 χ^2/NDF: 60.2/55

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.005+/-0.020 χ^2/NDF: 118.4/102

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

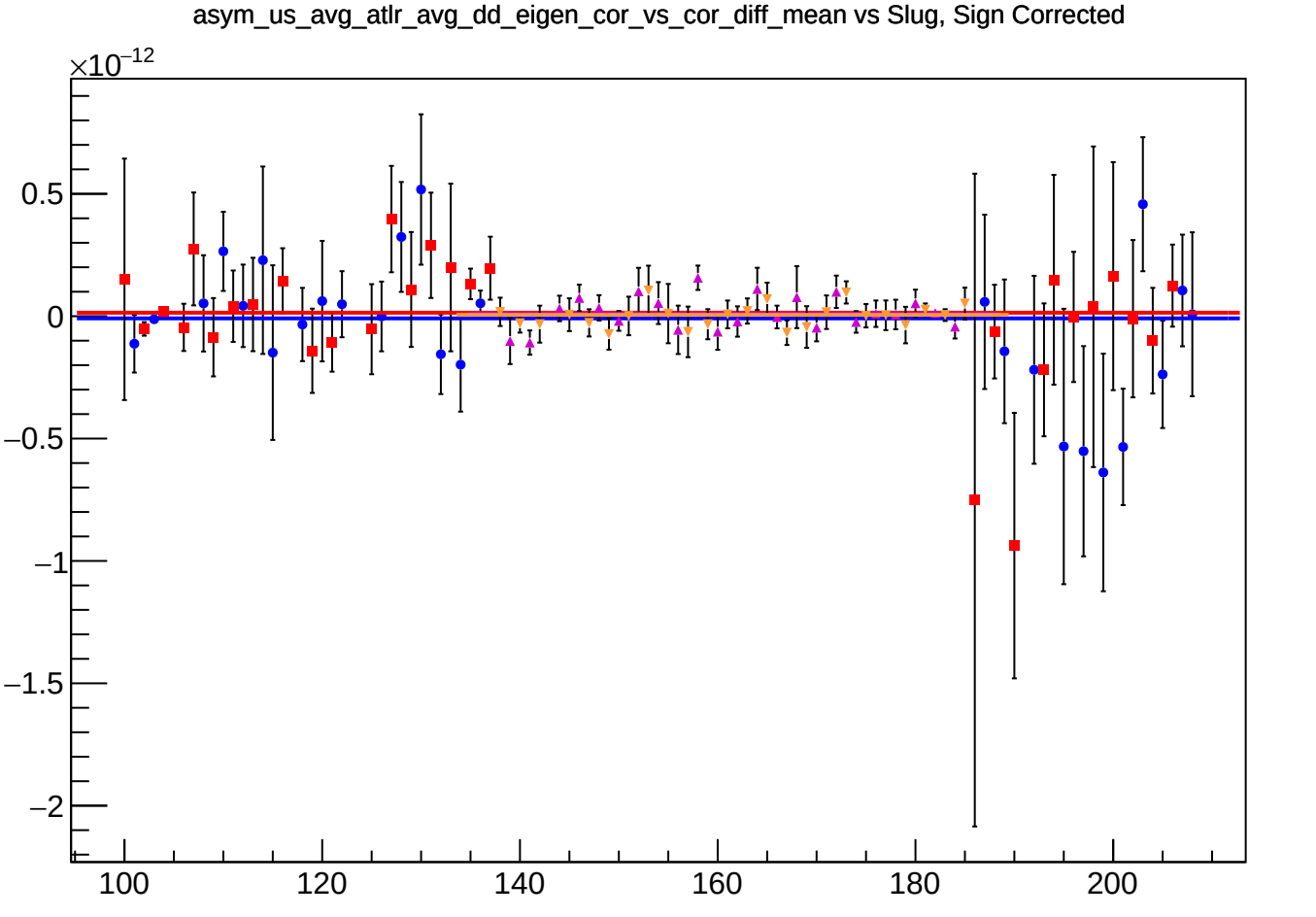
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

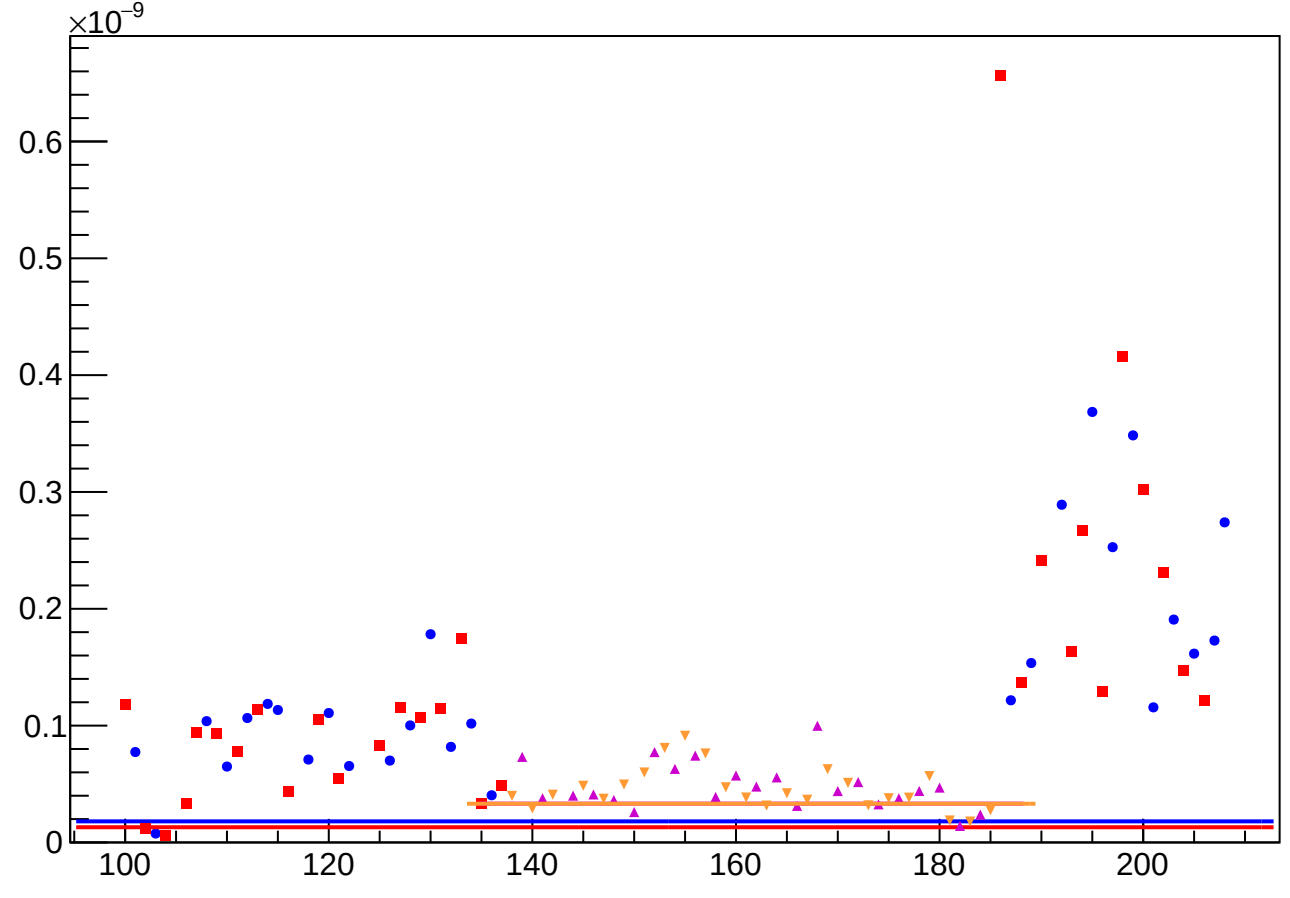
Right: 109.125+/-0.016 χ^2/NDF: 9458383.9/55

In: 148.019+/-0.021 χ^2/NDF:13582531.7/49

Out: 127.748+/-0.019 χ^2/NDF:19379428.4/52

All: 136.948+/-0.014 χ^2/NDF: 33484012.0/10


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.9/26
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.1/28
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.8/46
Right: 0.000+/-0.000 χ²/NDF: 56.2/55
In: 0.000+/-0.000 χ²/NDF:56.2/49
Out: 0.000+/-0.000 χ²/NDF:41.3/52
All: 0.000+/-0.000 χ²/NDF: 98.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 13990529.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13361190.1/28

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

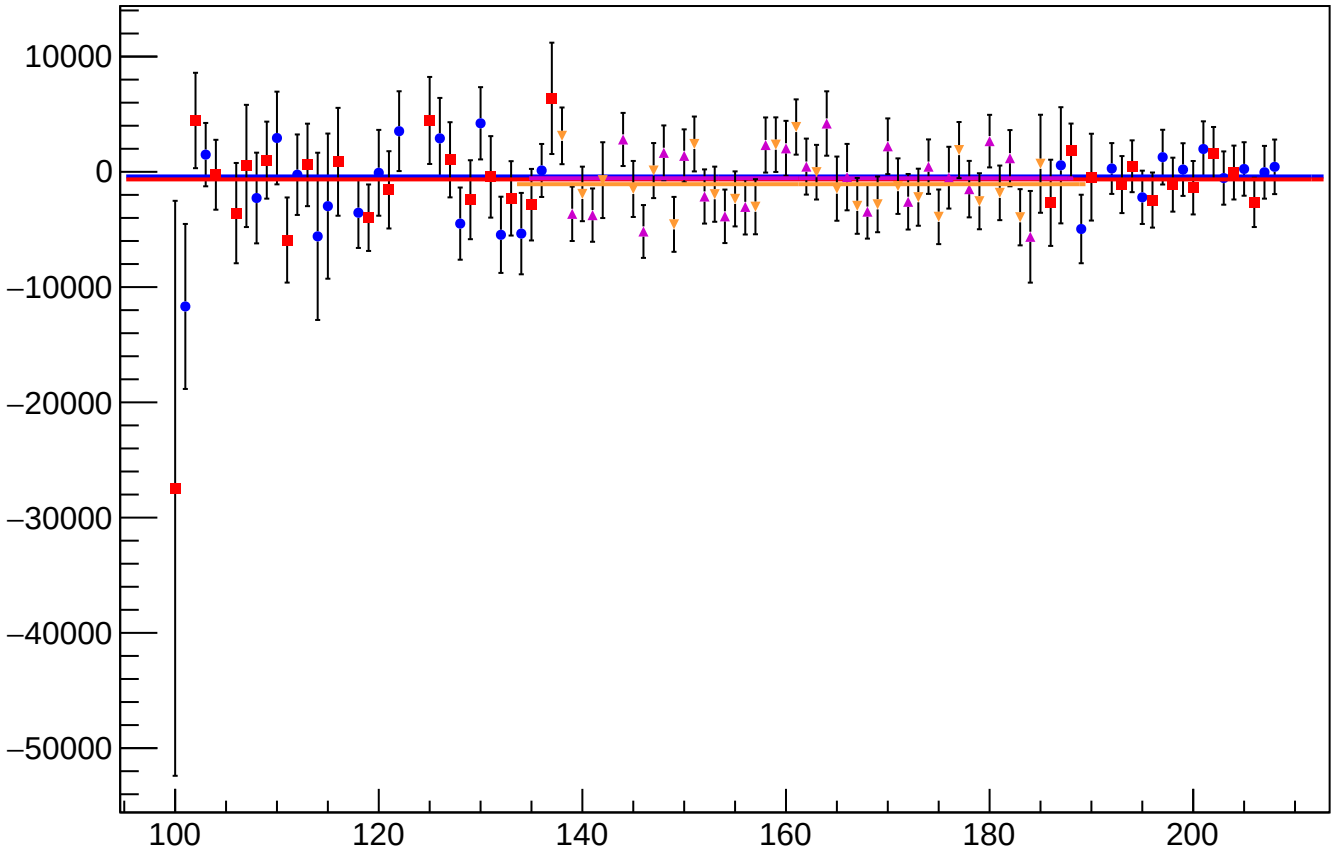
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 27555367.4/55

In: 0.000+/-0.000 χ^2/NDF:20759452.2/49

Out: 0.000+/-0.000 χ^2/NDF:21326272.1/52

All: 0.000+/-0.000 χ^2/NDF: 42427707.5/102



Right In: -401.025+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -657.050+/-563.439 χ^2/NDF: 16.7/28

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

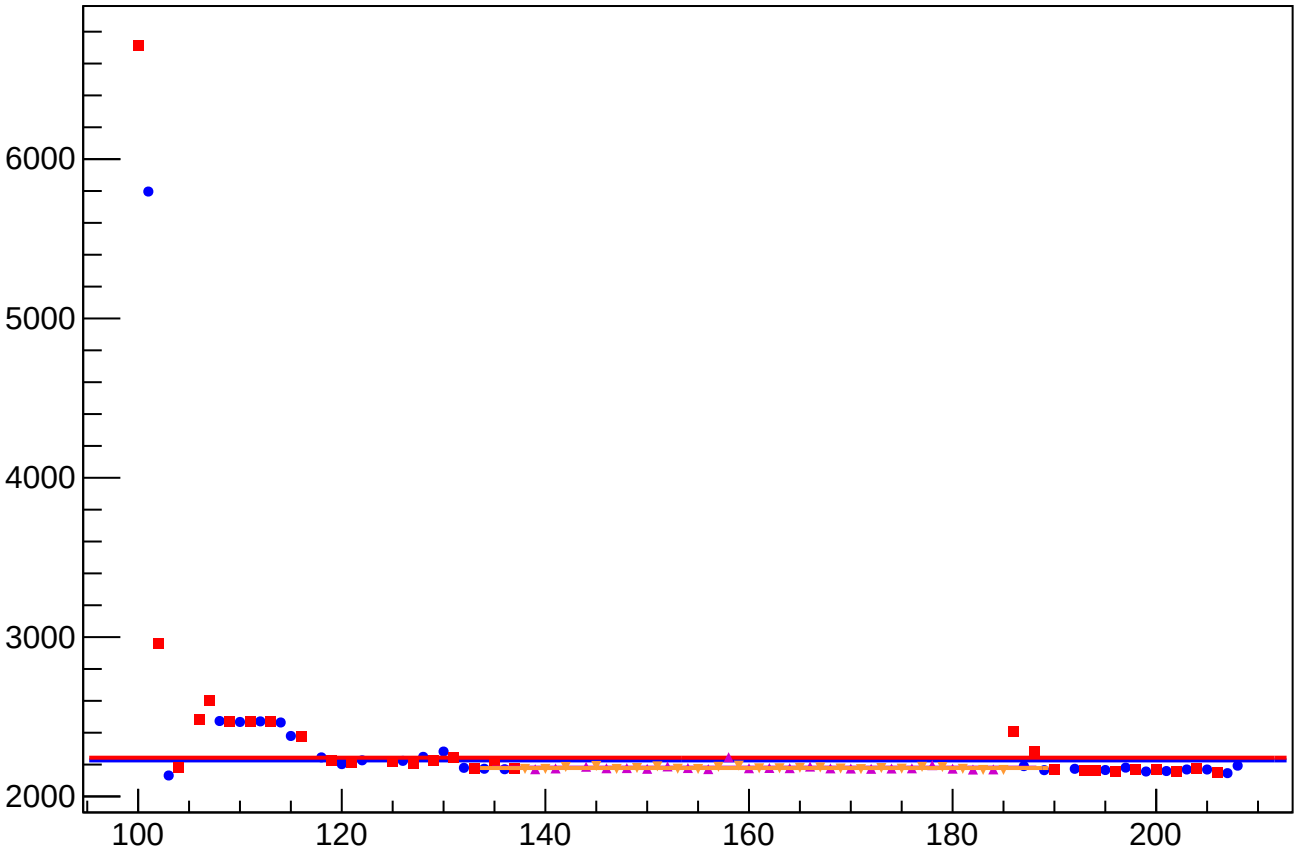
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -529.170+/-398.618 χ^2/NDF: 37.8/55

In: -486.987+/-377.962 χ^2/NDF:49.7/49

Out: -887.415+/-376.279 χ^2/NDF:38.6/52

All: -688.094+/-266.662 χ^2/NDF: 88.8/102



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.5/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2243.217+/-0.398 χ^2/NDF: 193041.8/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

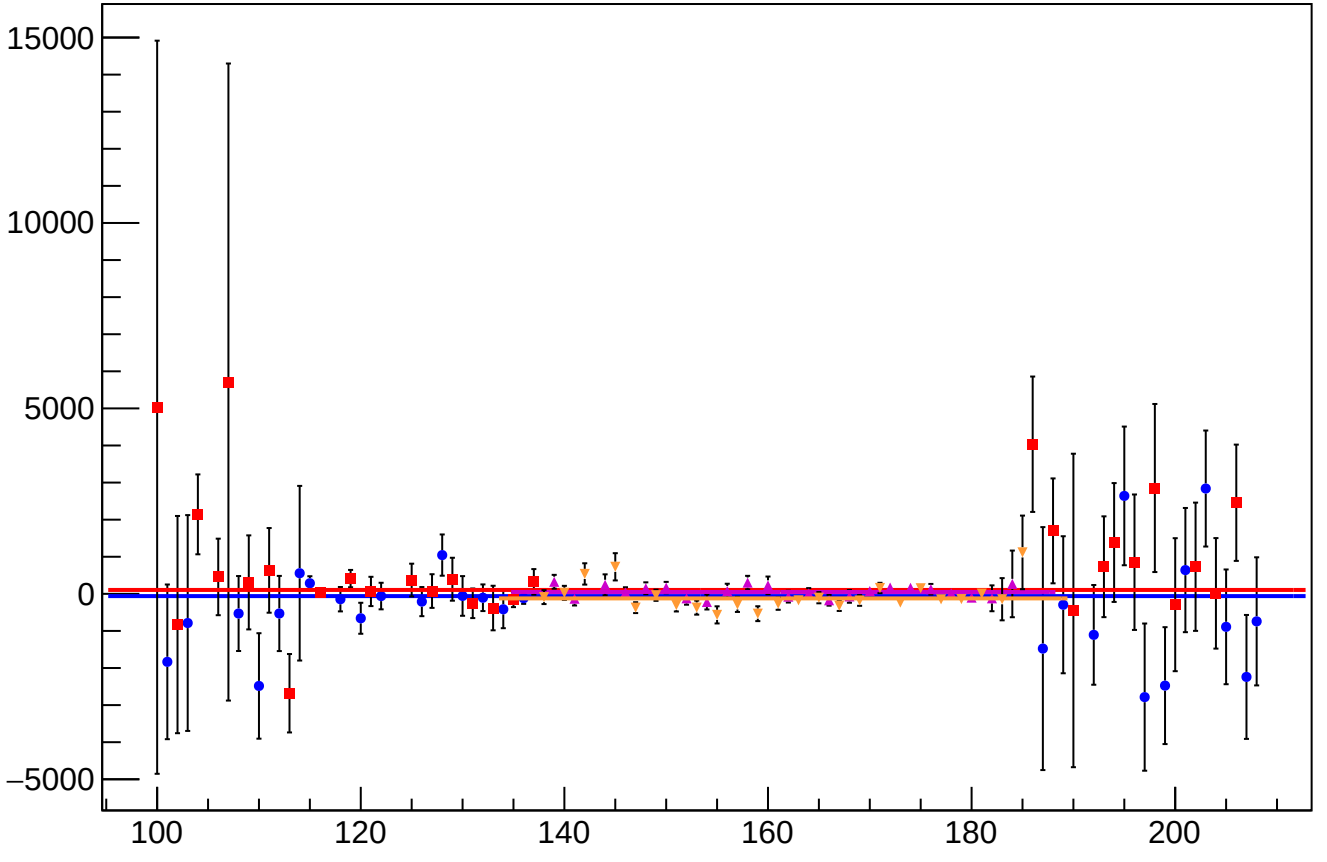
Right: 2234.665+/-0.282 χ^2/NDF: 737976.7/55

In: 2201.206+/-0.267 χ^2/NDF:552948.1/49

Out: 2207.221+/-0.266 χ^2/NDF:208164.7/52

All: 2204.227+/-0.189 χ^2/NDF: 761367.3/102

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -61.054+/-89.534 χ^2/NDF: 27.3/26

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 105.029+/-81.345 χ^2/NDF: 28.6/28

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

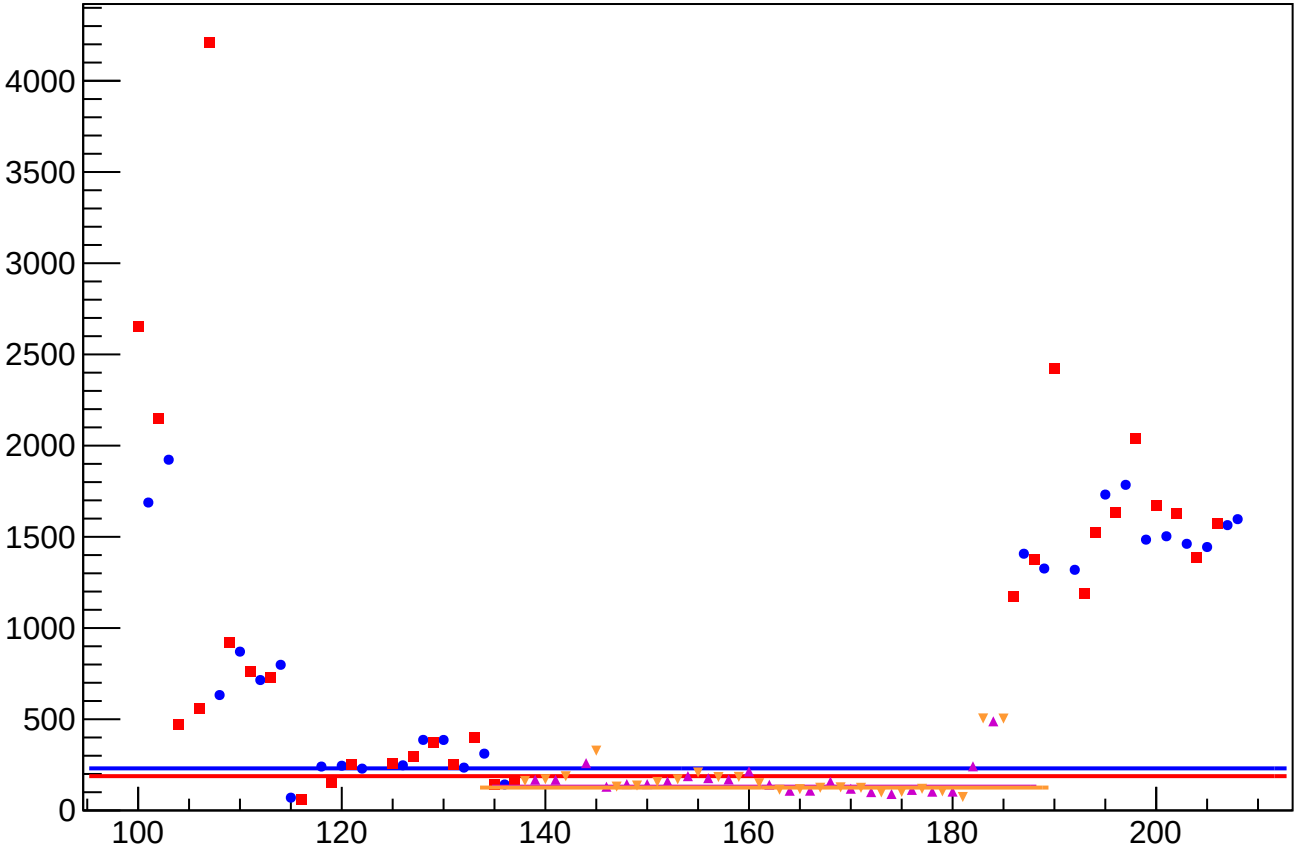
Right: 29.928+/-60.207 χ^2/NDF: 57.8/55

In: 37.319+/-30.587 χ^2/NDF:46.9/49

Out: -93.423+/-29.300 χ^2/NDF:79.3/52

All: -30.860+/-21.159 χ^2/NDF: 135.7/102

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 230.734+/-0.063 χ^2/NDF: 17642826.9/26

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 188.047+/-0.058 χ^2/NDF: 19707808.5/28

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

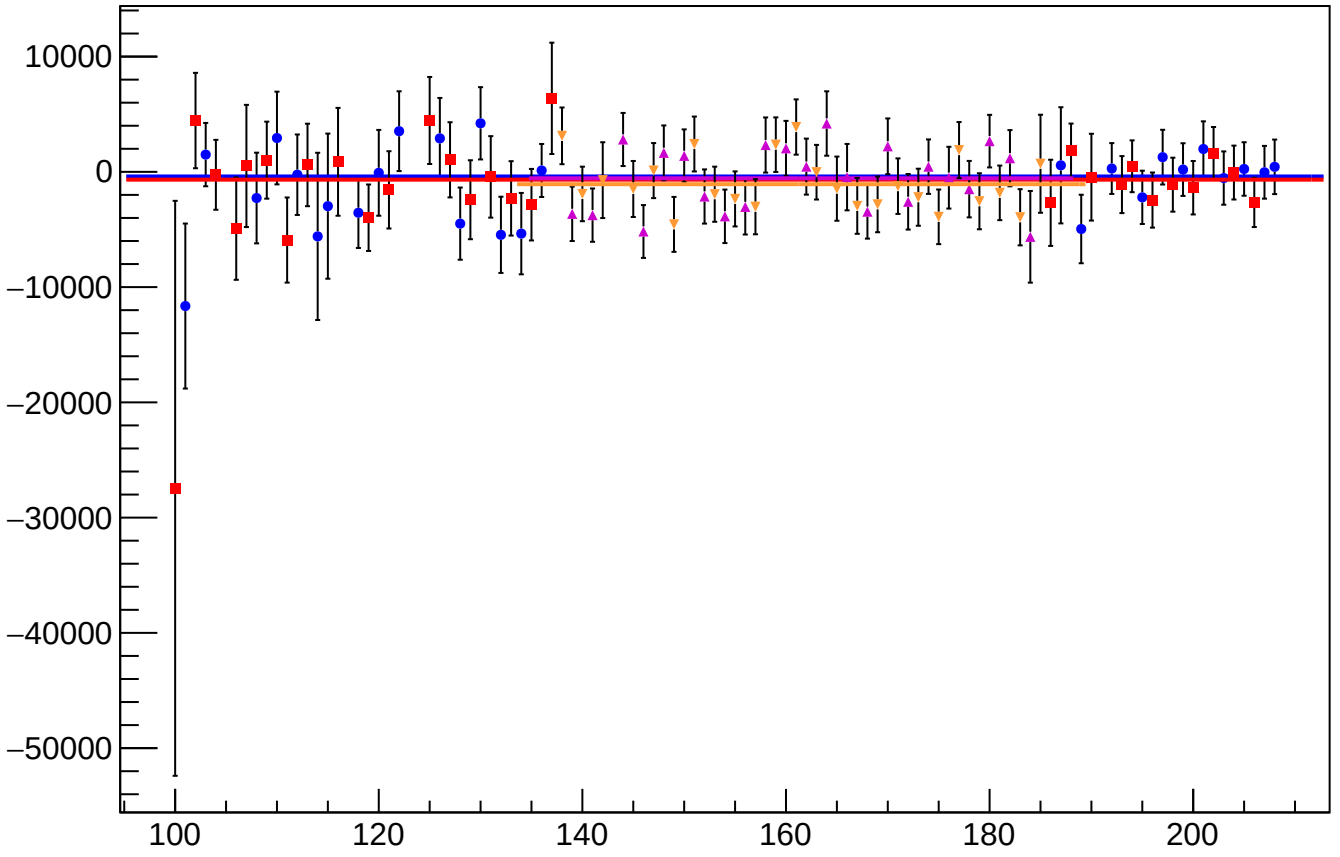
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 207.350+/-0.043 χ^2/NDF: 37599676.1/55

In: 142.142+/-0.022 χ^2/NDF:22539396.5/49

Out: 133.620+/-0.021 χ^2/NDF:24679383.7/52

All: 137.698+/-0.015 χ^2/NDF: 47299731.6/10



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -676.761+/-563.636 χ^2/NDF: 17.2/28

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

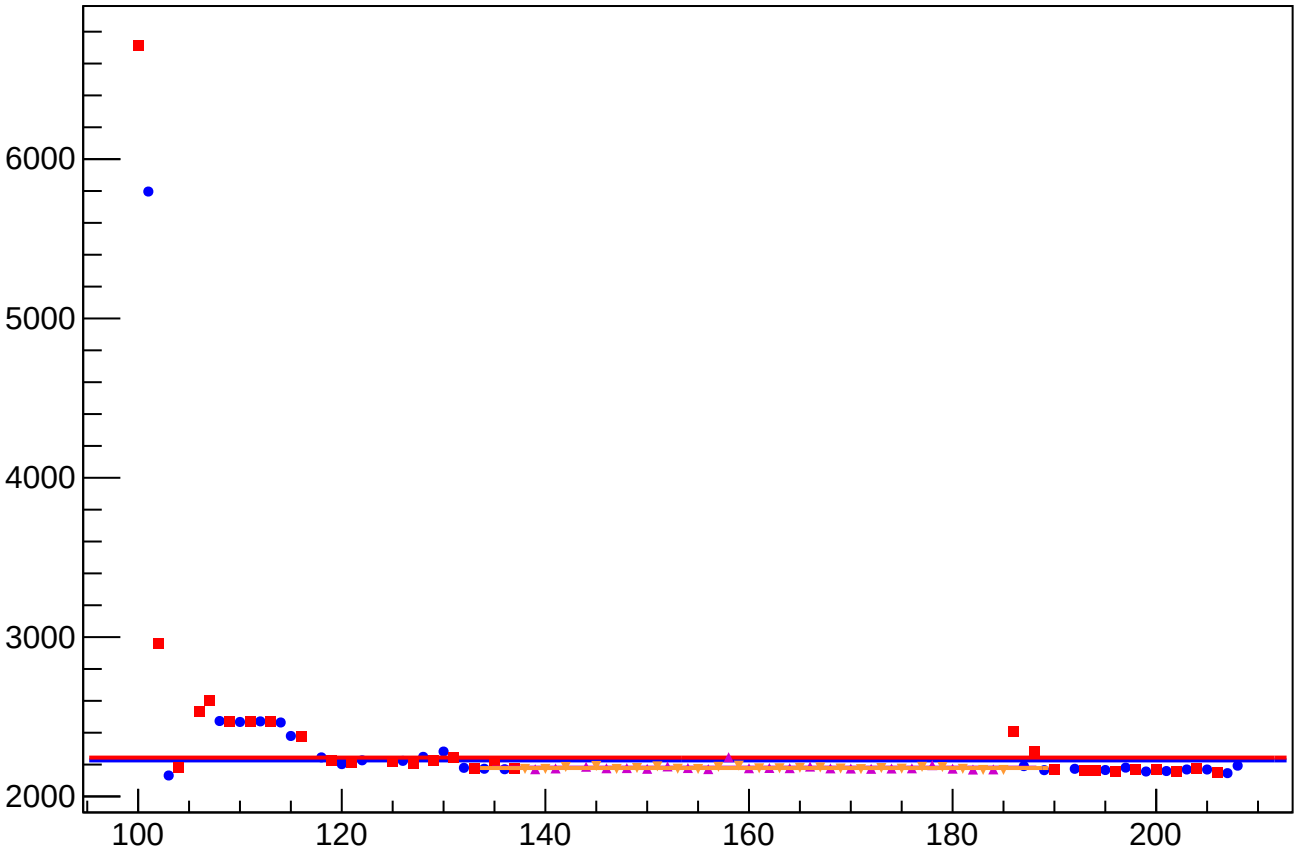
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -538.768+/-398.688 χ^2/NDF: 38.2/55

In: -486.805+/-377.962 χ^2/NDF:49.7/49

Out: -896.236+/-376.337 χ^2/NDF:39.0/52

All: -692.402+/-266.683 χ^2/NDF: 89.3/102



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

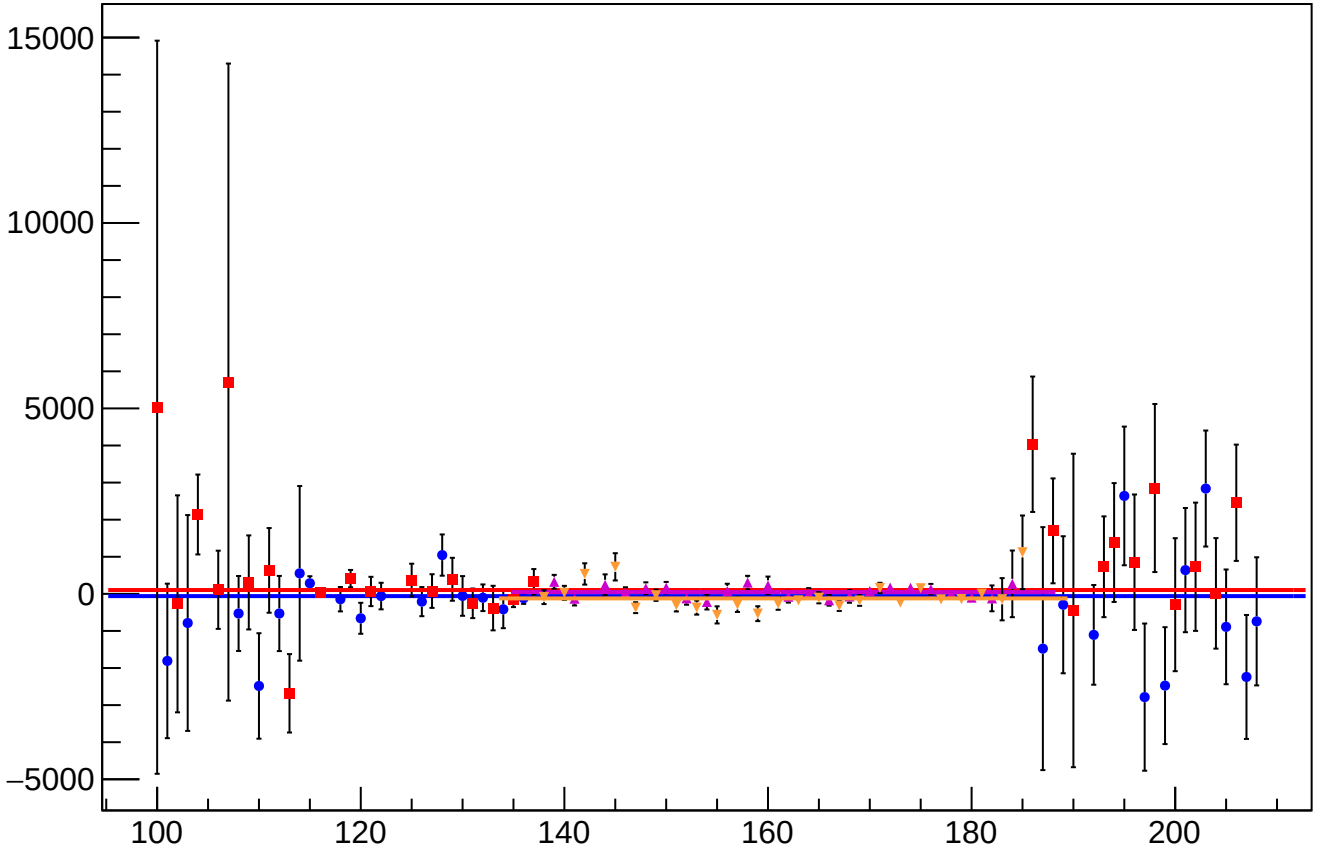
Right: 2234.987+/-0.282 χ^2/NDF: 740523.2/55

In: 2201.206+/-0.267 χ^2/NDF:552948.4/49

Out: 2207.499+/-0.266 χ^2/NDF:210929.8/52

All: 2204.366+/-0.189 χ^2/NDF: 764156.6/102

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

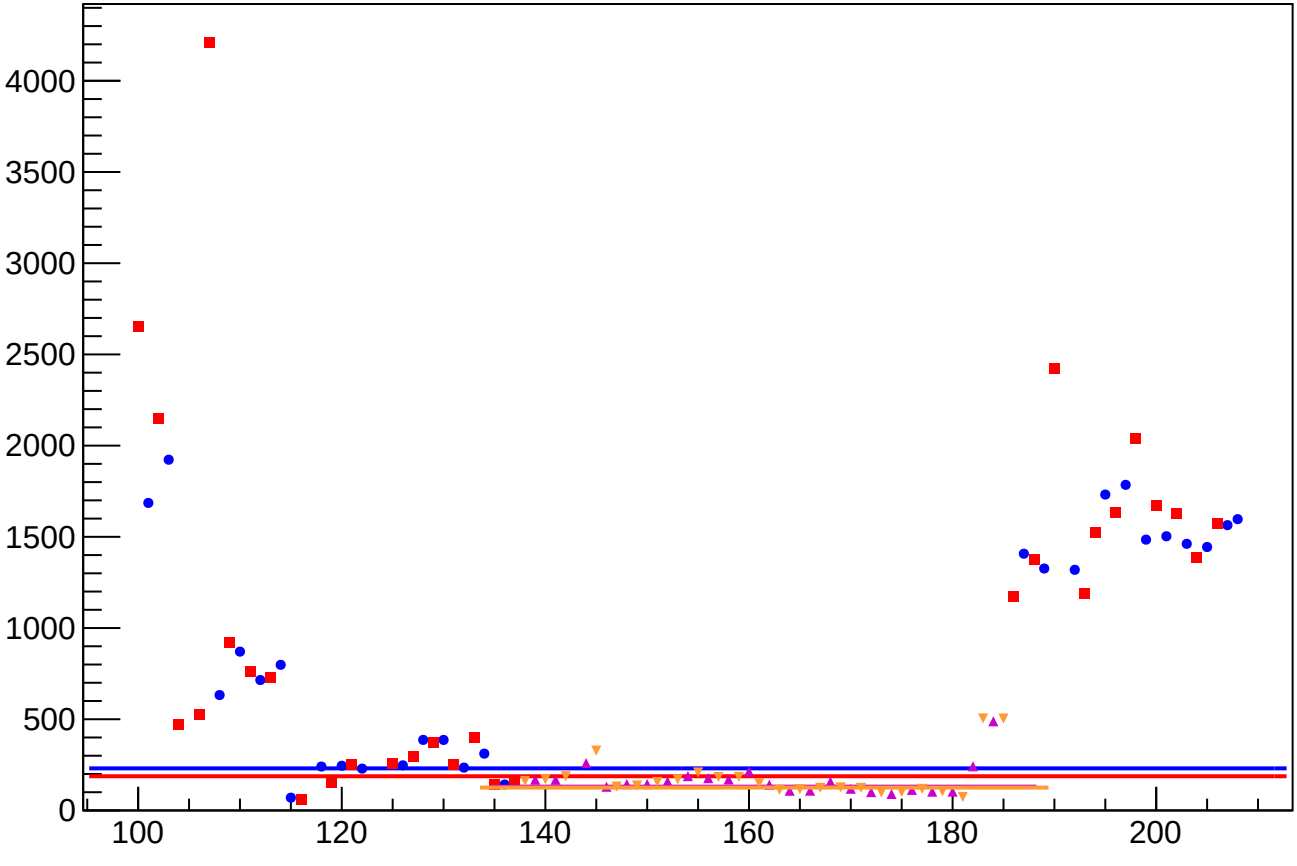
Right: 28.884+/-60.185 χ^2/NDF: 57.5/55

In: 37.219+/-30.590 χ^2/NDF:46.9/49

Out: -93.575+/-29.297 χ^2/NDF:78.9/52

All: -31.000+/-21.158 χ^2/NDF: 135.3/102

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

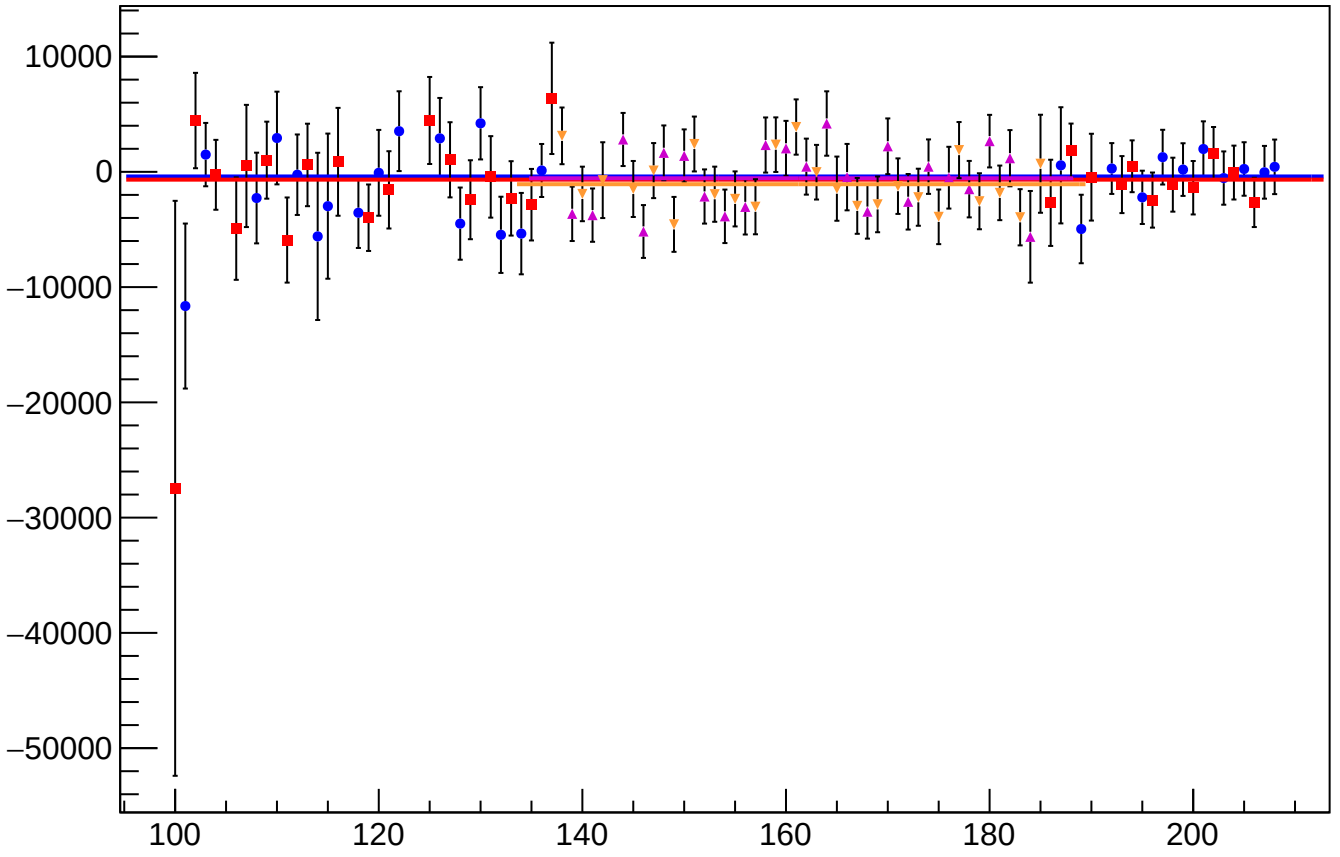
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 207.022+/-0.043 χ^2/NDF: 37571234.5/55

In: 142.159+/-0.022 χ^2/NDF:22537769.7/49

Out: 133.550+/-0.021 χ^2/NDF:24628036.6/52

All: 137.669+/-0.015 χ^2/NDF: 47248413.1/10



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -676.761+/-563.636 χ^2/NDF: 17.2/28

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

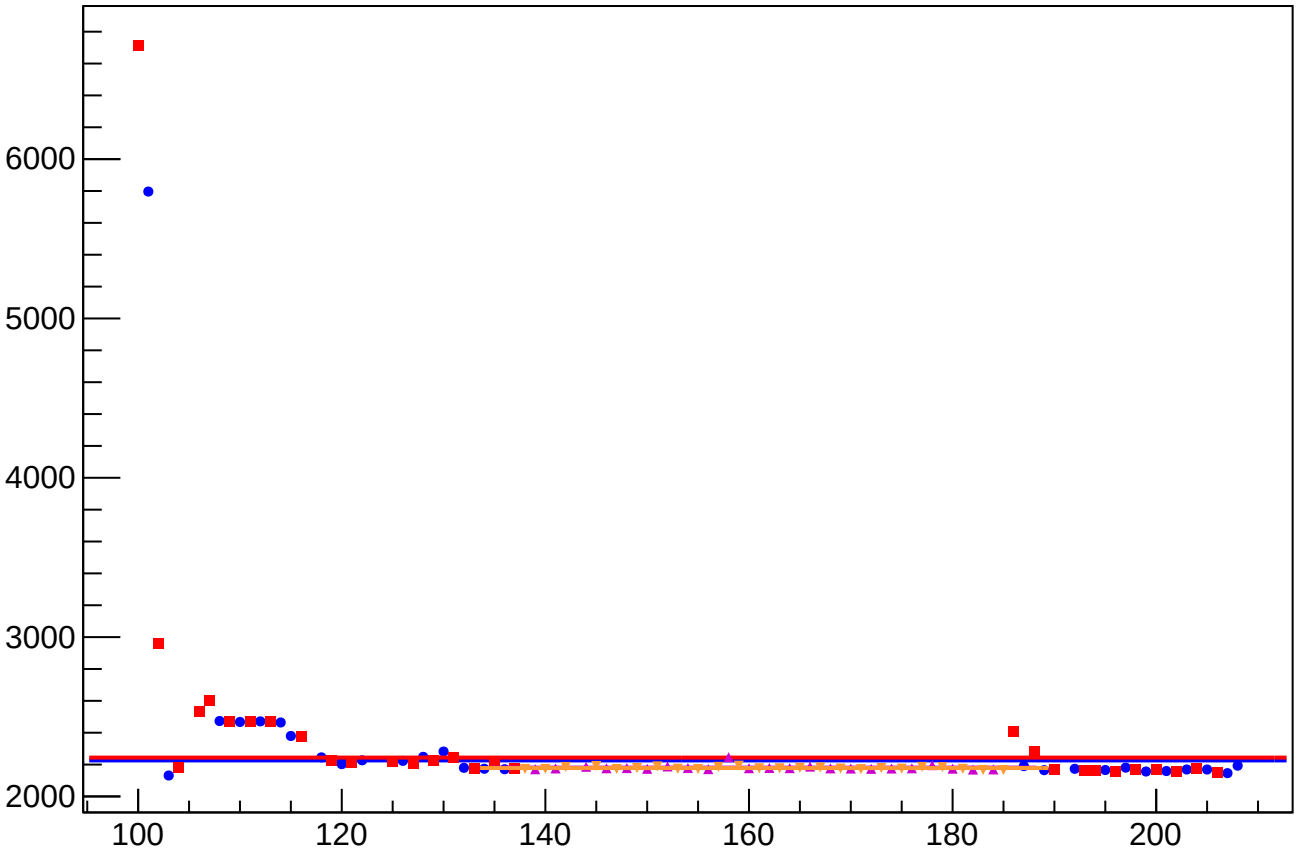
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -538.768+/-398.688 χ^2/NDF: 38.2/55

In: -486.805+/-377.962 χ^2/NDF:49.7/49

Out: -896.236+/-376.337 χ^2/NDF:39.0/52

All: -692.402+/-266.683 χ^2/NDF: 89.3/102



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

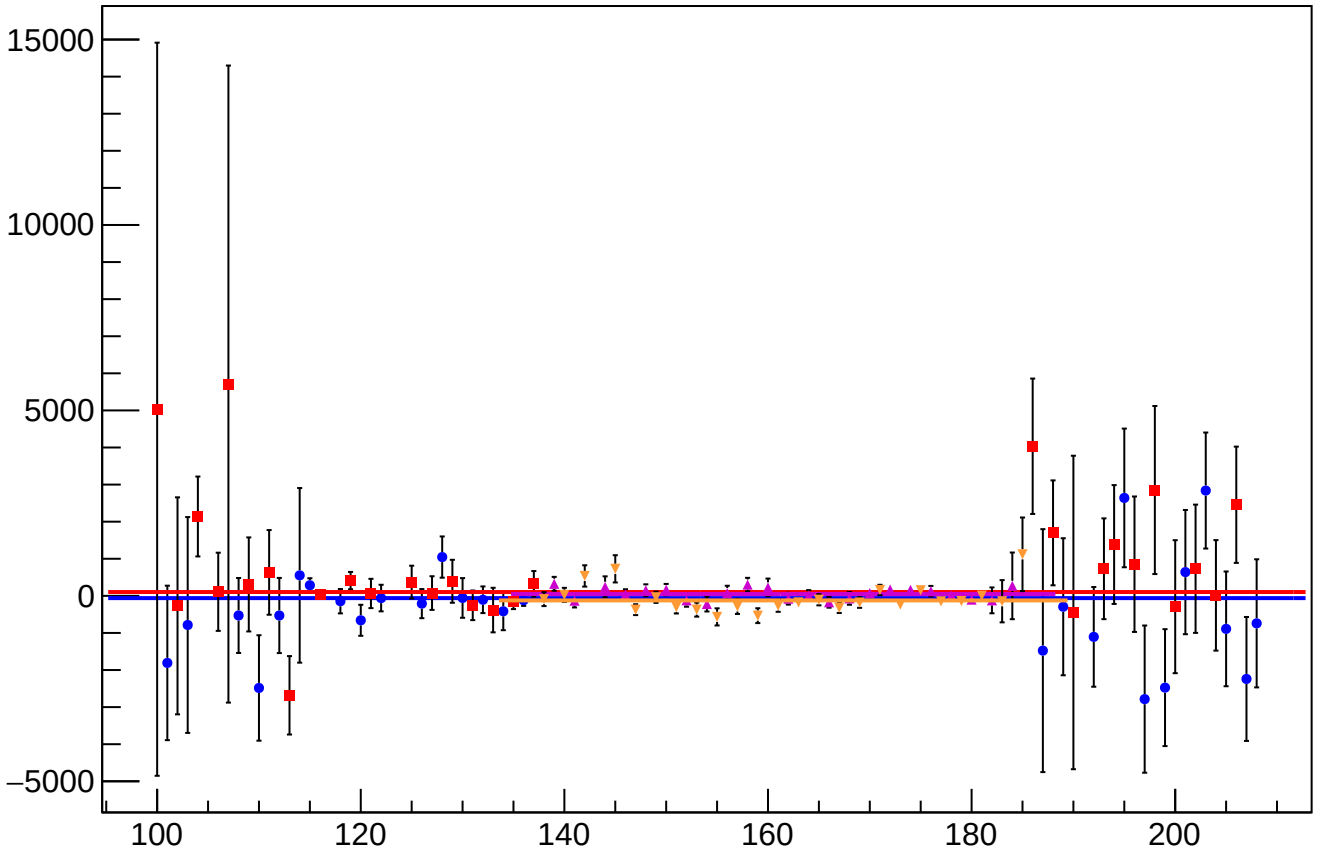
Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

Right: 2234.987+/-0.282 χ^2/NDF: 740523.2/55

In: 2201.206+/-0.267 χ^2/NDF:552948.4/49

Out: 2207.499+/-0.266 χ^2/NDF:210929.8/52

All: 2204.366+/-0.189 χ^2/NDF: 764156.6/102



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

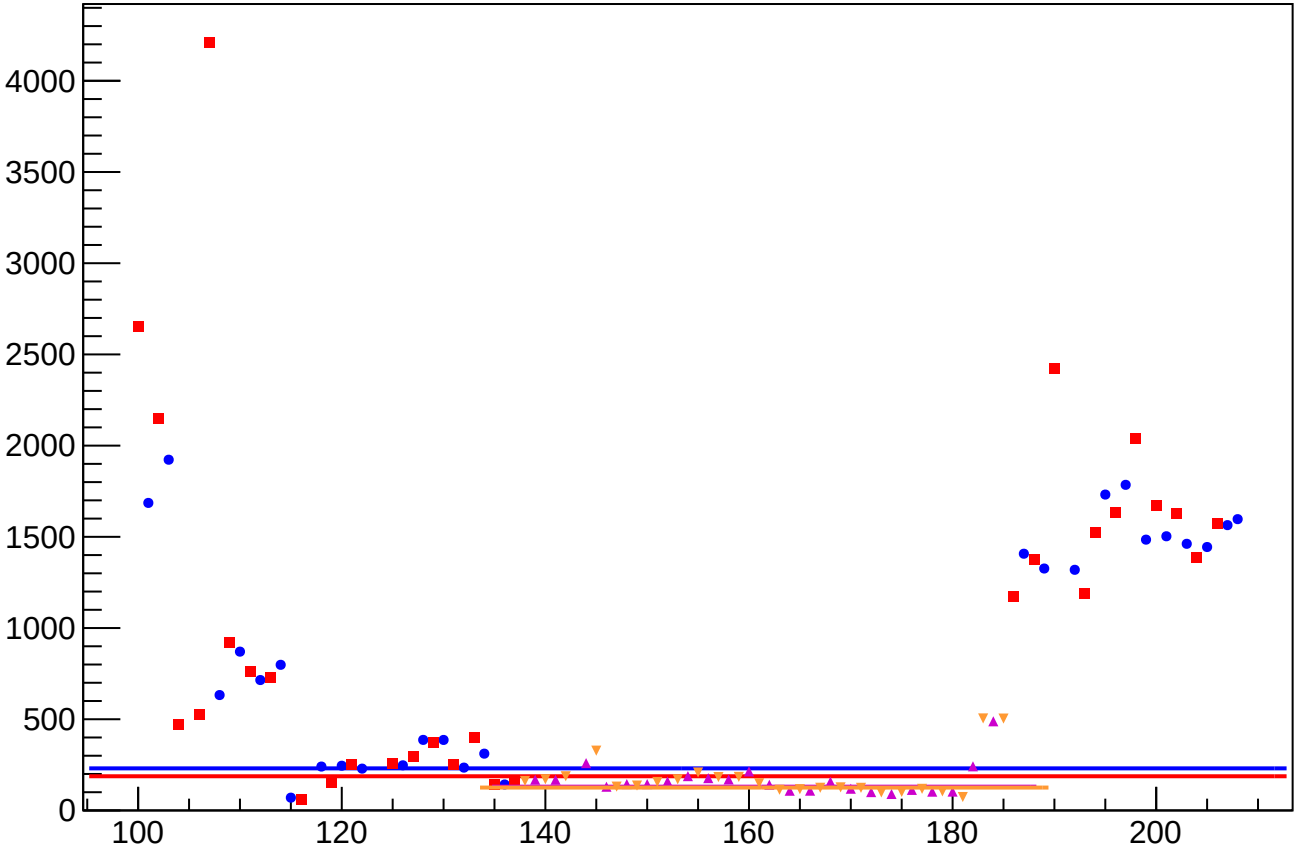
Right: 28.884+/-60.185 χ^2/NDF: 57.5/55

In: 37.219+/-30.590 χ^2/NDF:46.9/49

Out: -93.575+/-29.297 χ^2/NDF:78.9/52

All: -31.000+/-21.158 χ^2/NDF: 135.3/102

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

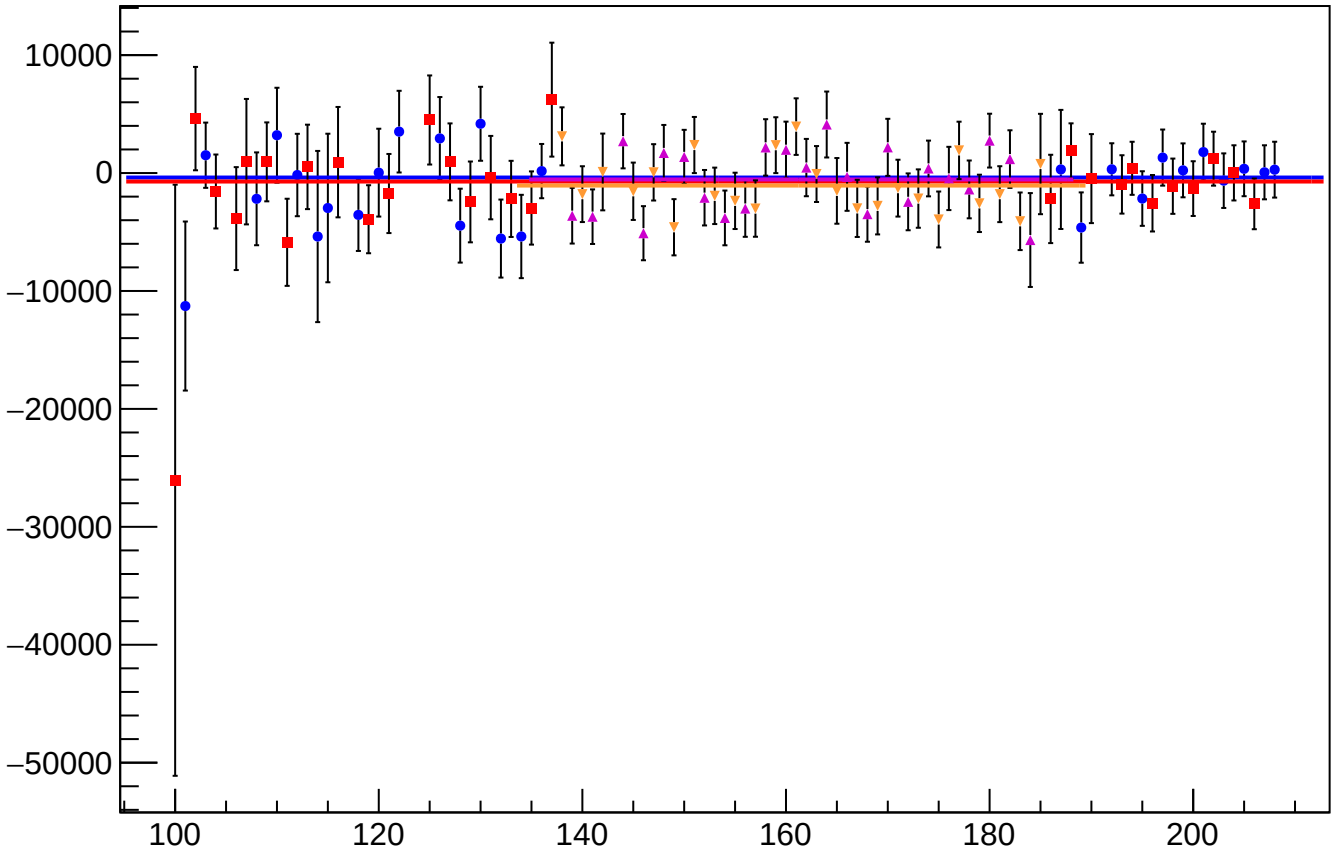
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 207.022+/-0.043 χ^2/NDF: 37571234.5/55

In: 142.159+/-0.022 χ^2/NDF:22537769.7/49

Out: 133.550+/-0.021 χ^2/NDF:24628036.6/52

All: 137.669+/-0.015 χ^2/NDF: 47248413.1/10



Right In: -380.600+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -720.110+/-565.300 χ^2/NDF: 16.1/28

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

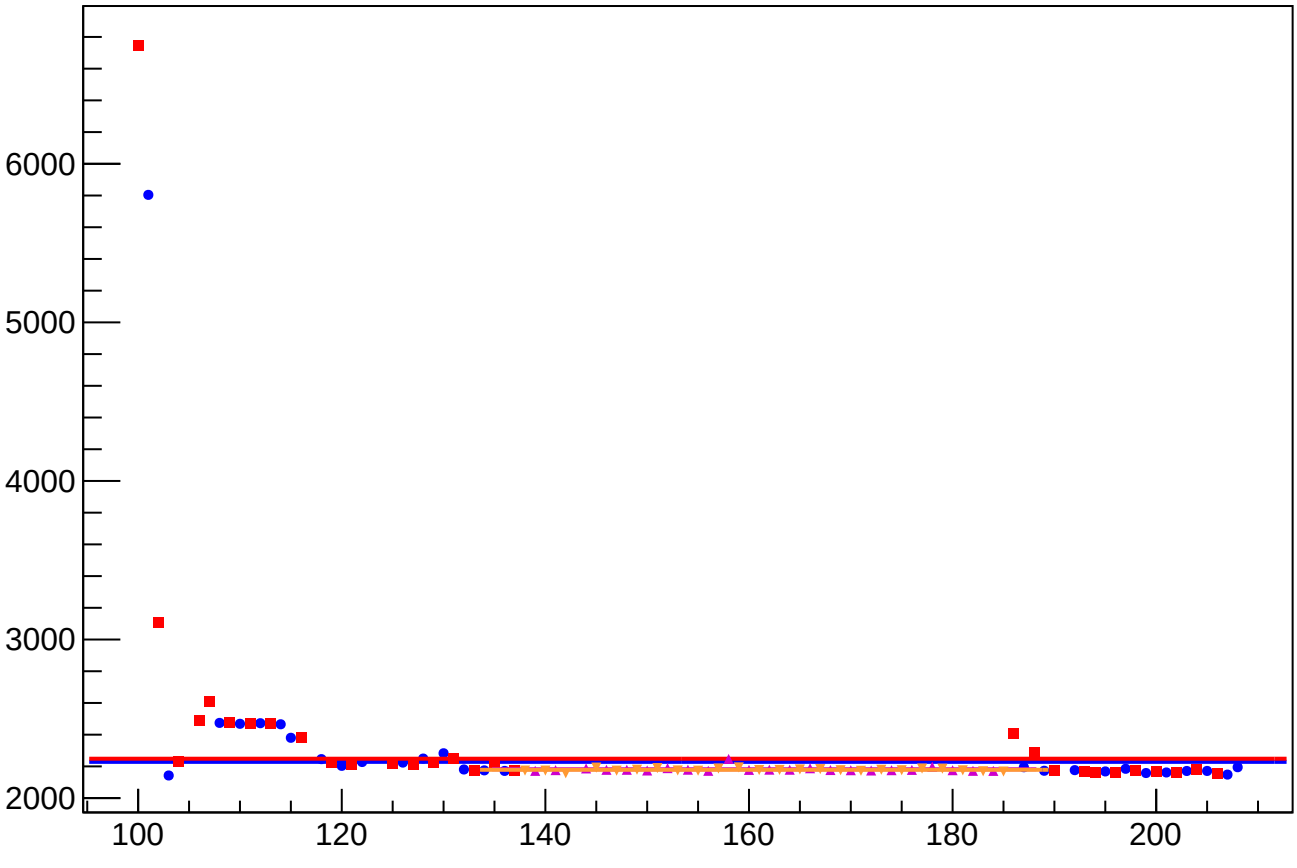
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -550.166+/-399.505 χ^2/NDF: 36.7/55

In: -470.825+/-378.249 χ^2/NDF:48.3/49

Out: -910.253+/-376.870 χ^2/NDF:38.2/52

All: -691.342+/-266.973 χ^2/NDF: 87.2/102



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.4/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

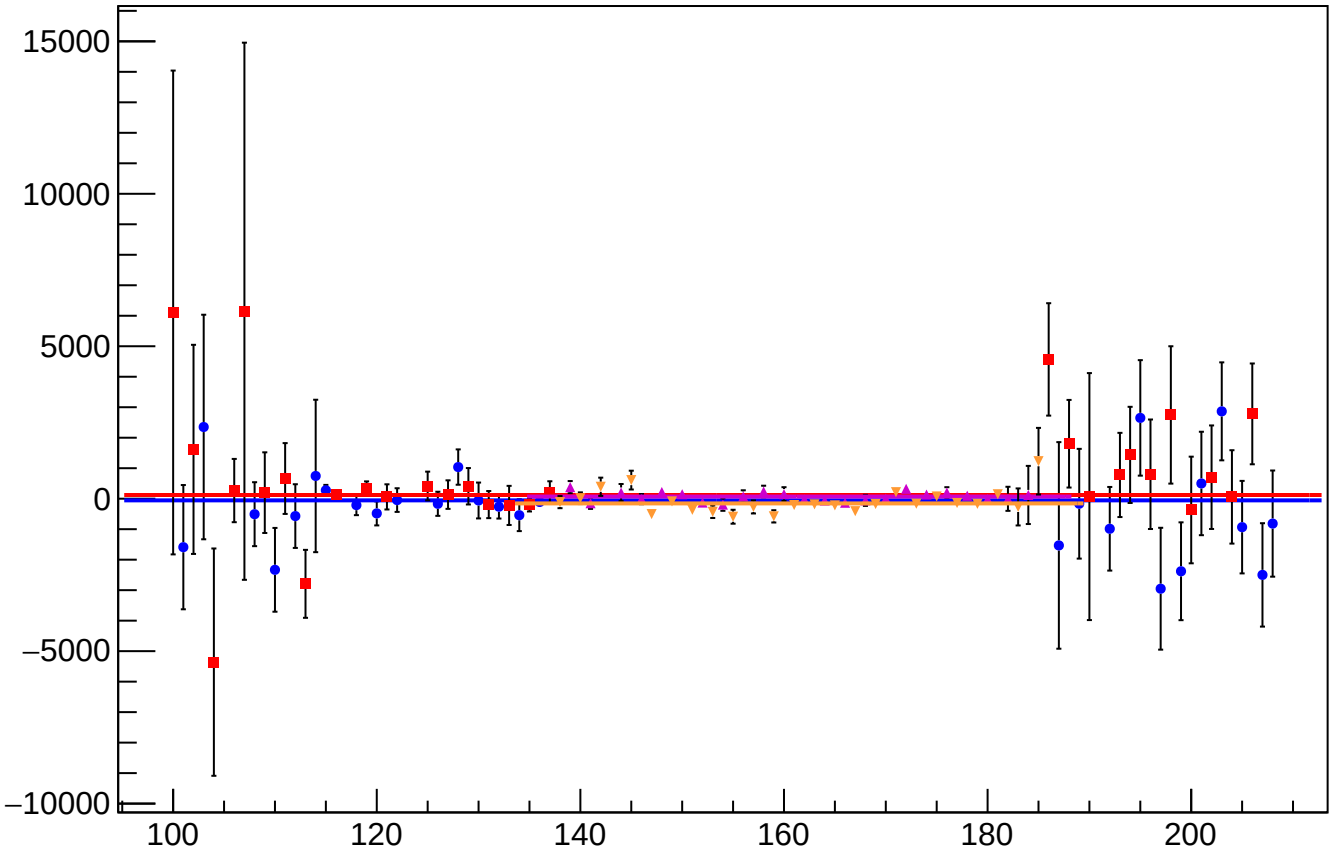
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2238.434+/-0.282 χ^2/NDF: 755390.2/55

In: 2202.826+/-0.267 χ^2/NDF:552678.3/49

Out: 2209.539+/-0.266 χ^2/NDF:228268.6/52

All: 2206.195+/-0.189 χ^2/NDF: 781263.1/102



Right In: -54.579+/-90.986 χ^2/NDF: 27.0/26

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 121.291+/-84.919 χ^2/NDF: 27.5/28

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

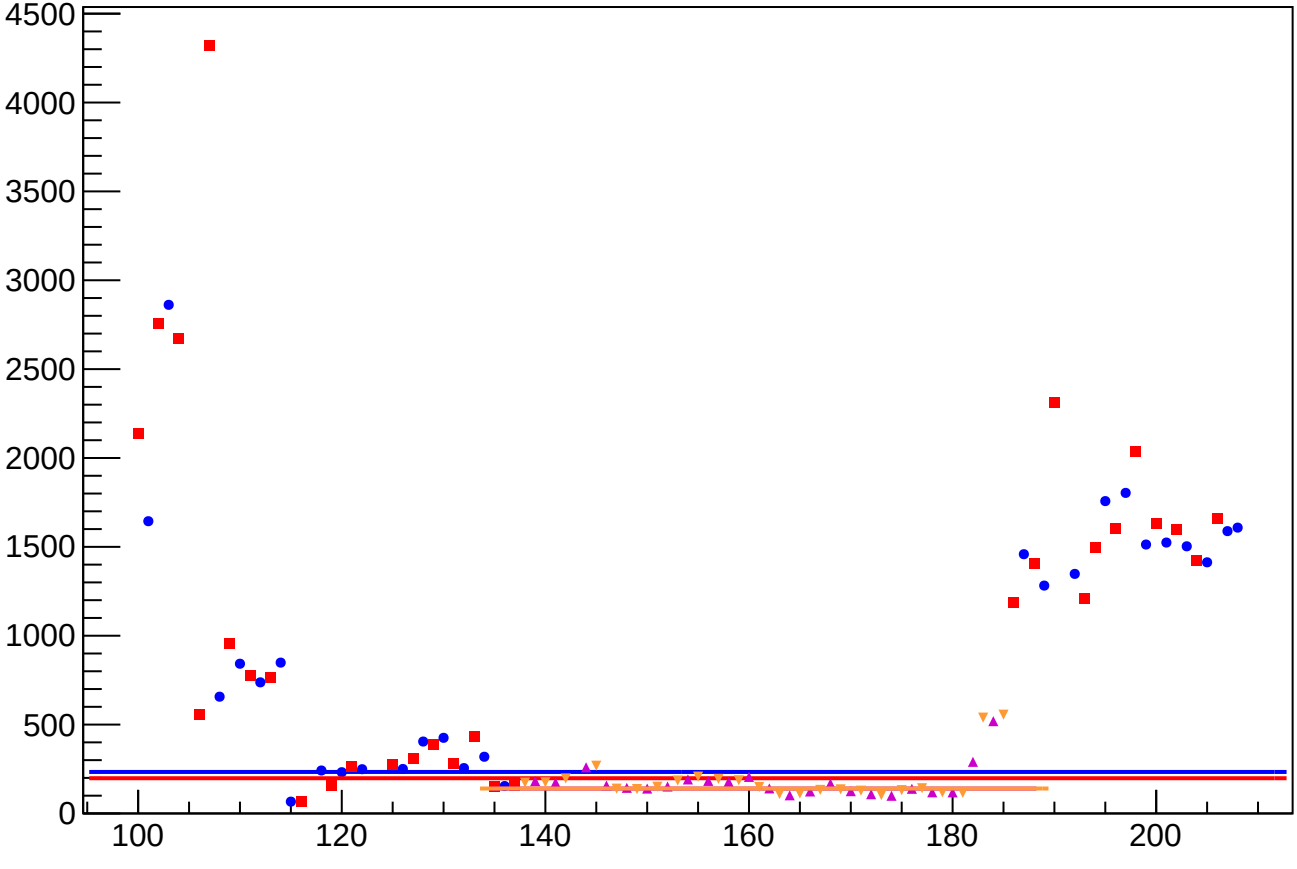
Right: 39.414+/-62.081 χ^2/NDF: 56.5/55

In: 54.698+/-32.017 χ^2/NDF:47.6/49

Out: -116.474+/-31.613 χ^2/NDF:83.9/52

All: -31.975+/-22.495 χ^2/NDF: 146.0/102

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 233.526+/-0.064 χ^2/NDF: 18200370.2/26

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 198.184+/-0.060 χ^2/NDF: 20487936.1/28

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

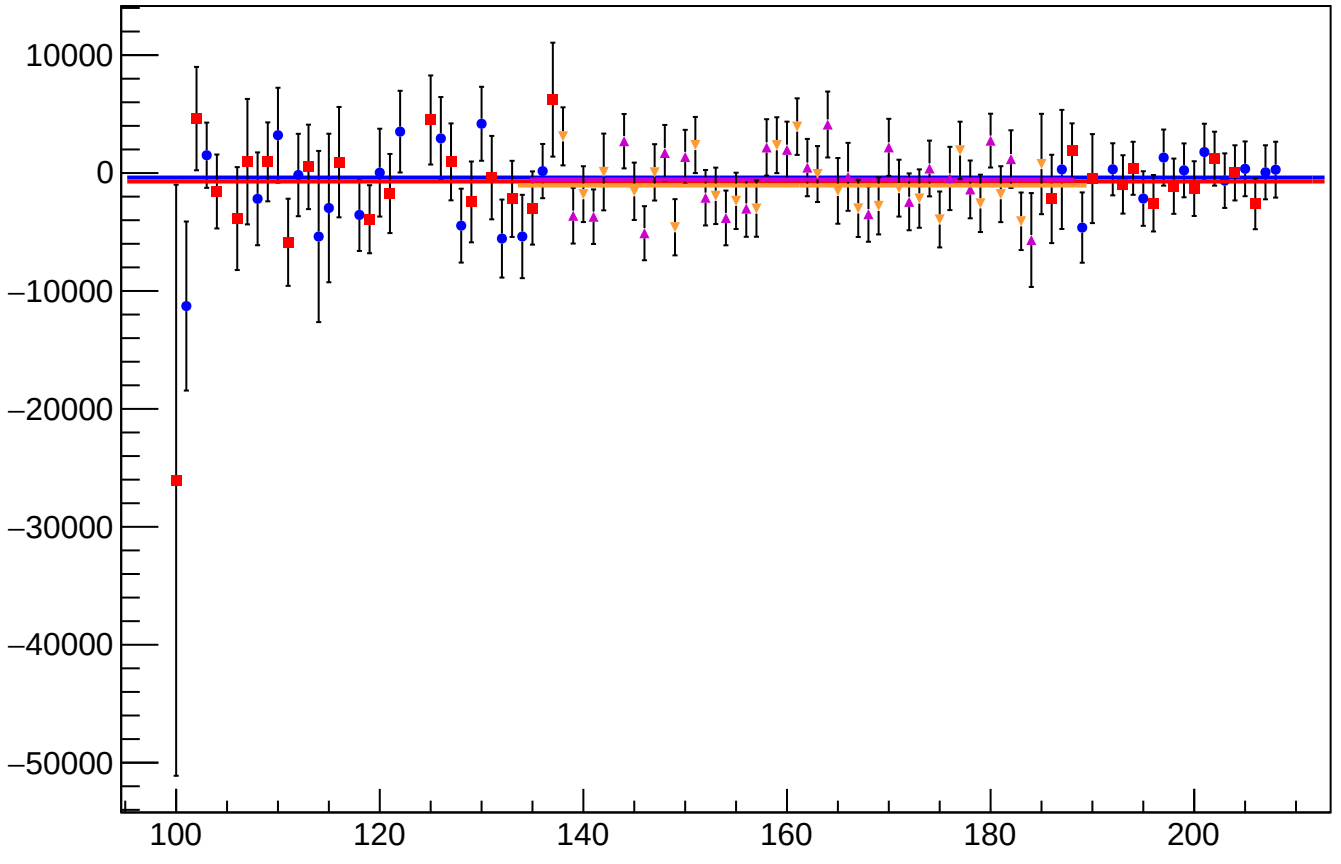
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 214.637+/-0.044 χ^2/NDF: 38849582.0/55

In: 151.562+/-0.023 χ^2/NDF:22465229.0/49

Out: 148.338+/-0.022 χ^2/NDF:24048176.8/52

All: 149.929+/-0.016 χ^2/NDF: 46523676.4/10



Right In: -380.602+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -720.108+/-565.300 χ^2/NDF: 16.1/28

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

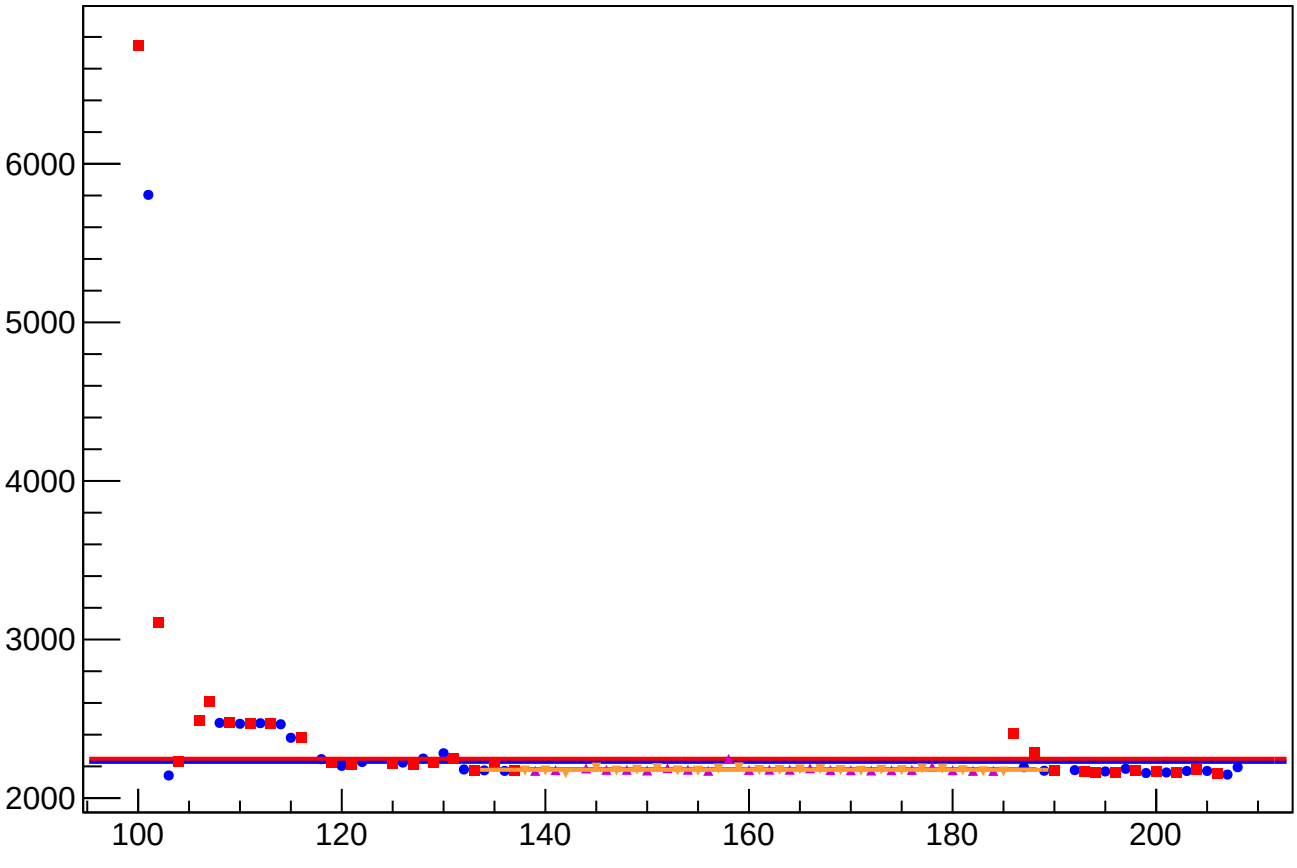
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -550.166+/-399.505 χ^2/NDF: 36.7/55

In: -470.825+/-378.249 χ^2/NDF:48.3/49

Out: -910.253+/-376.870 χ^2/NDF:38.2/52

All: -691.342+/-266.973 χ^2/NDF: 87.2/102



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.3/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

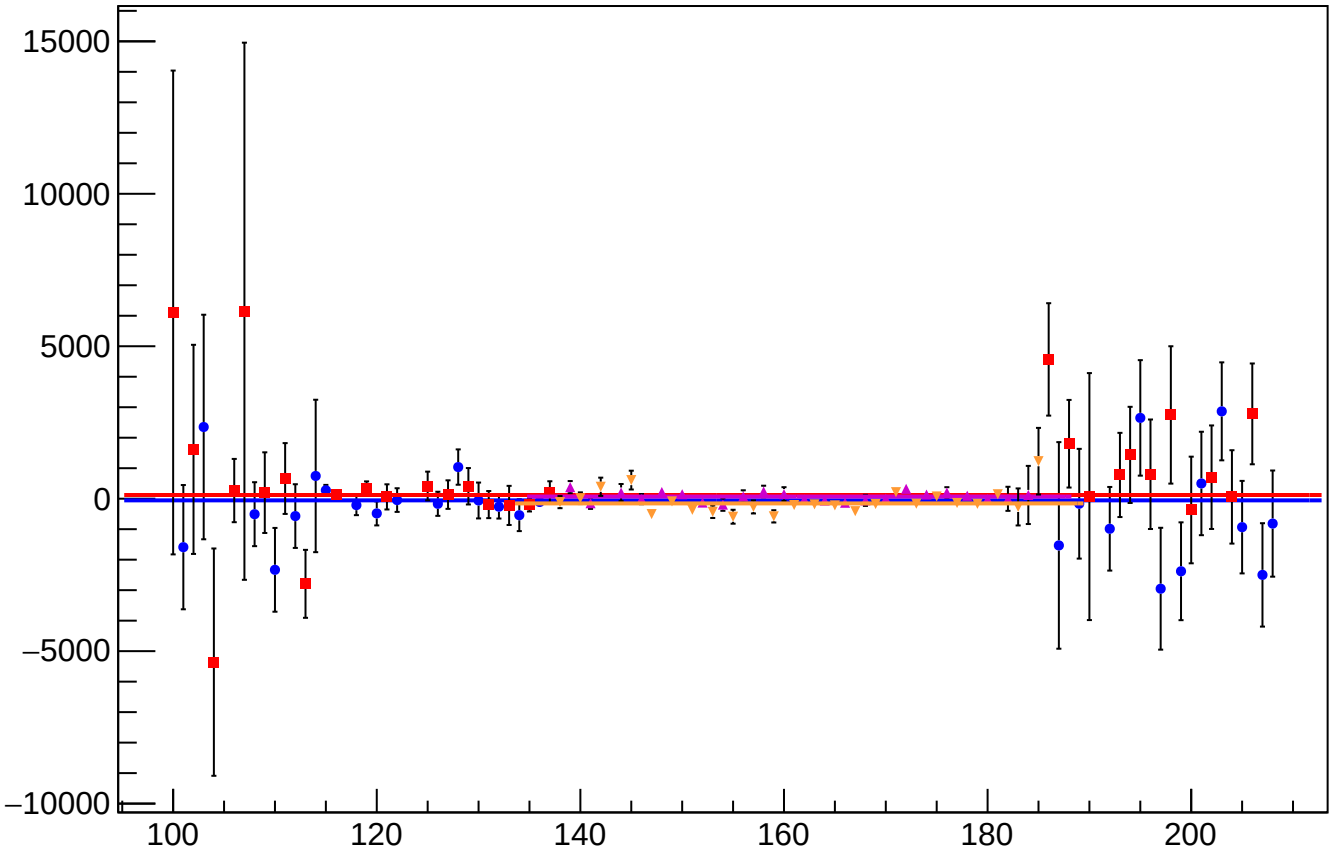
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2238.434+/-0.282 χ^2/NDF: 755390.1/55

In: 2202.826+/-0.267 χ^2/NDF:552678.4/49

Out: 2209.539+/-0.266 χ^2/NDF:228268.5/52

All: 2206.195+/-0.189 χ^2/NDF: 781263.0/102



Right In: -54.576+/-90.985 χ^2/NDF: 27.0/26

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 121.291+/-84.918 χ^2/NDF: 27.5/28

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

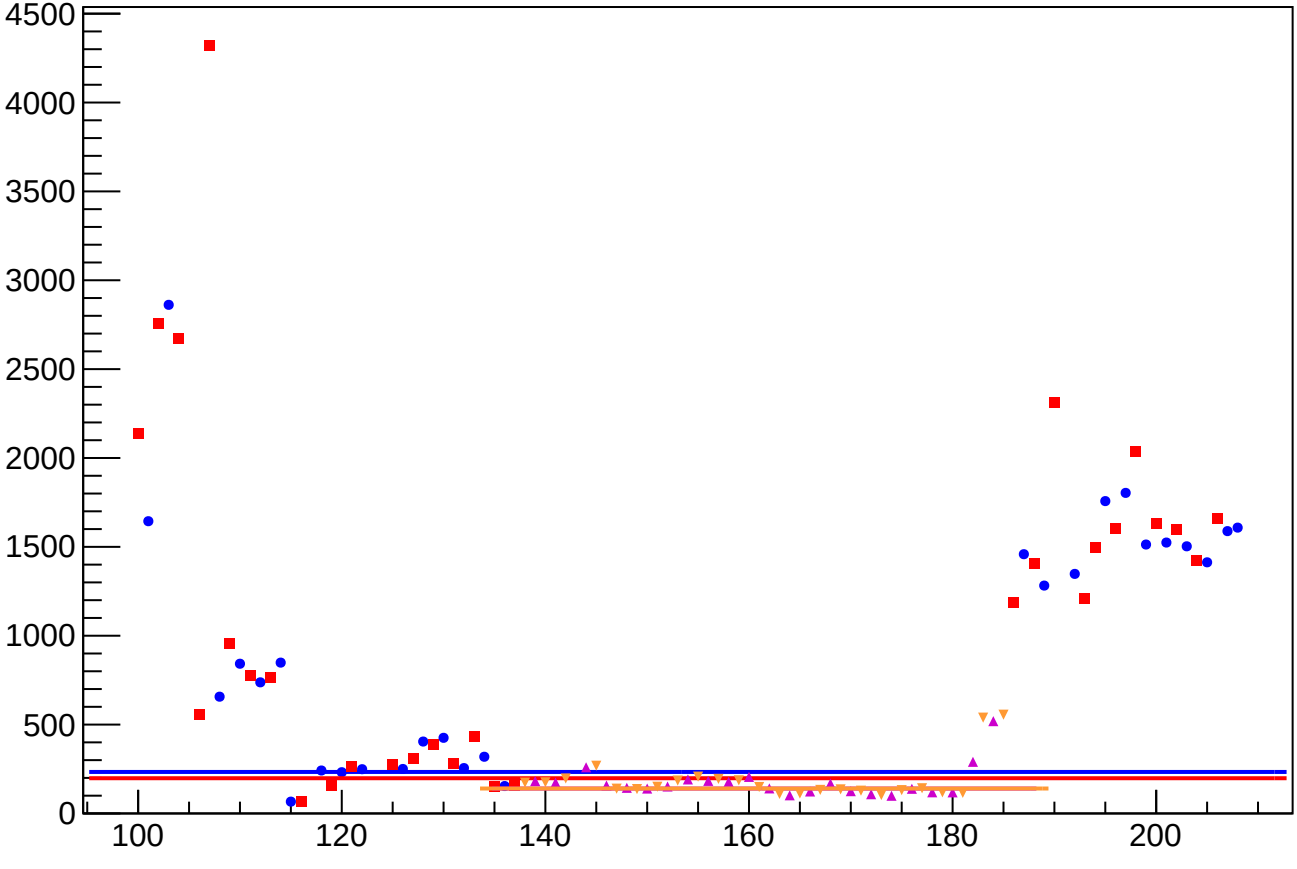
Right: 39.416+/-62.080 χ^2/NDF: 56.5/55

In: 54.697+/-32.017 χ^2/NDF:47.6/49

Out: -116.474+/-31.613 χ^2/NDF:83.9/52

All: -31.976+/-22.495 χ^2/NDF: 146.0/102

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 233.523+/-0.064 χ^2/NDF: 18200465.0/26

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 198.181+/-0.060 χ^2/NDF: 20488051.0/28

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

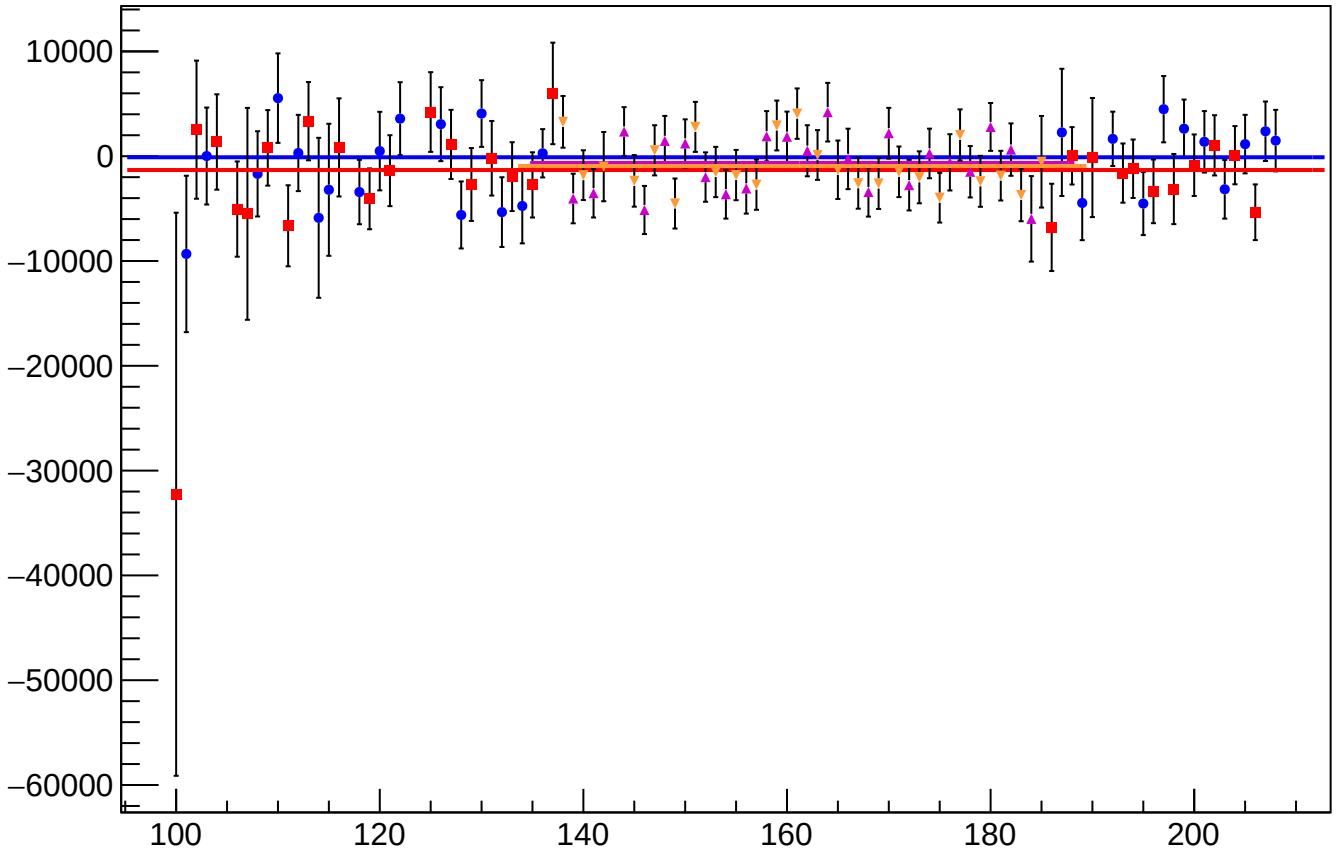
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 214.634+/-0.044 χ^2/NDF: 38849794.2/55

In: 151.562+/-0.023 χ^2/NDF:22465280.6/49

Out: 148.338+/-0.022 χ^2/NDF:24048209.3/52

All: 149.929+/-0.016 χ^2/NDF: 46523759.9/10



Right In: -100.996+/-645.667 χ^2/NDF: 26.3/26

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1318.423+/-653.574 χ^2/NDF: 19.2/28

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

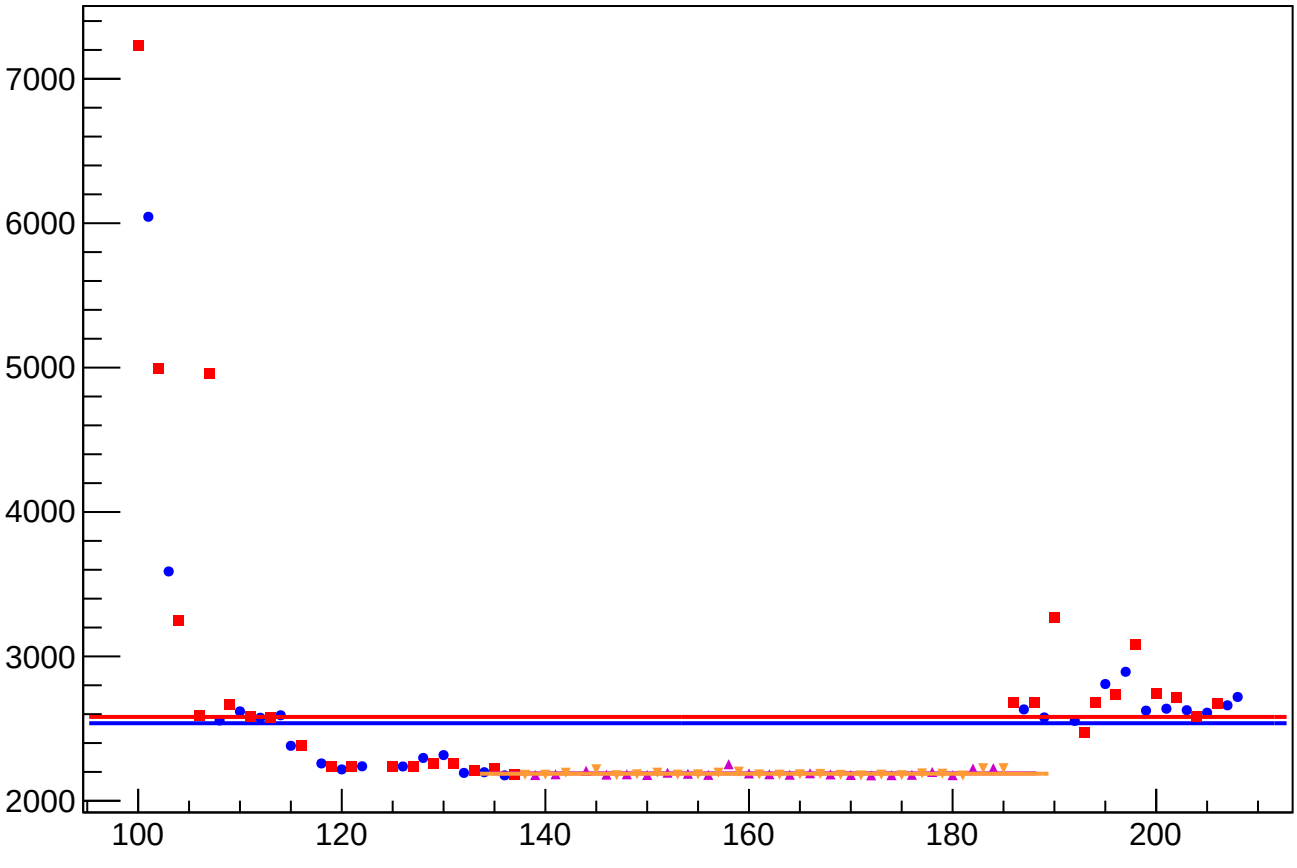
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -702.302+/-459.326 χ^2/NDF: 47.3/55

In: -433.932+/-400.873 χ^2/NDF:53.7/49

Out: -1077.432+/-400.951 χ^2/NDF:41.8/52

All: -755.619+/-283.488 χ^2/NDF: 96.9/102



Right In: 2537.248+/-0.457 χ^2/NDF: 778602.4/26

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2580.869+/-0.462 χ^2/NDF: 774376.8/28

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

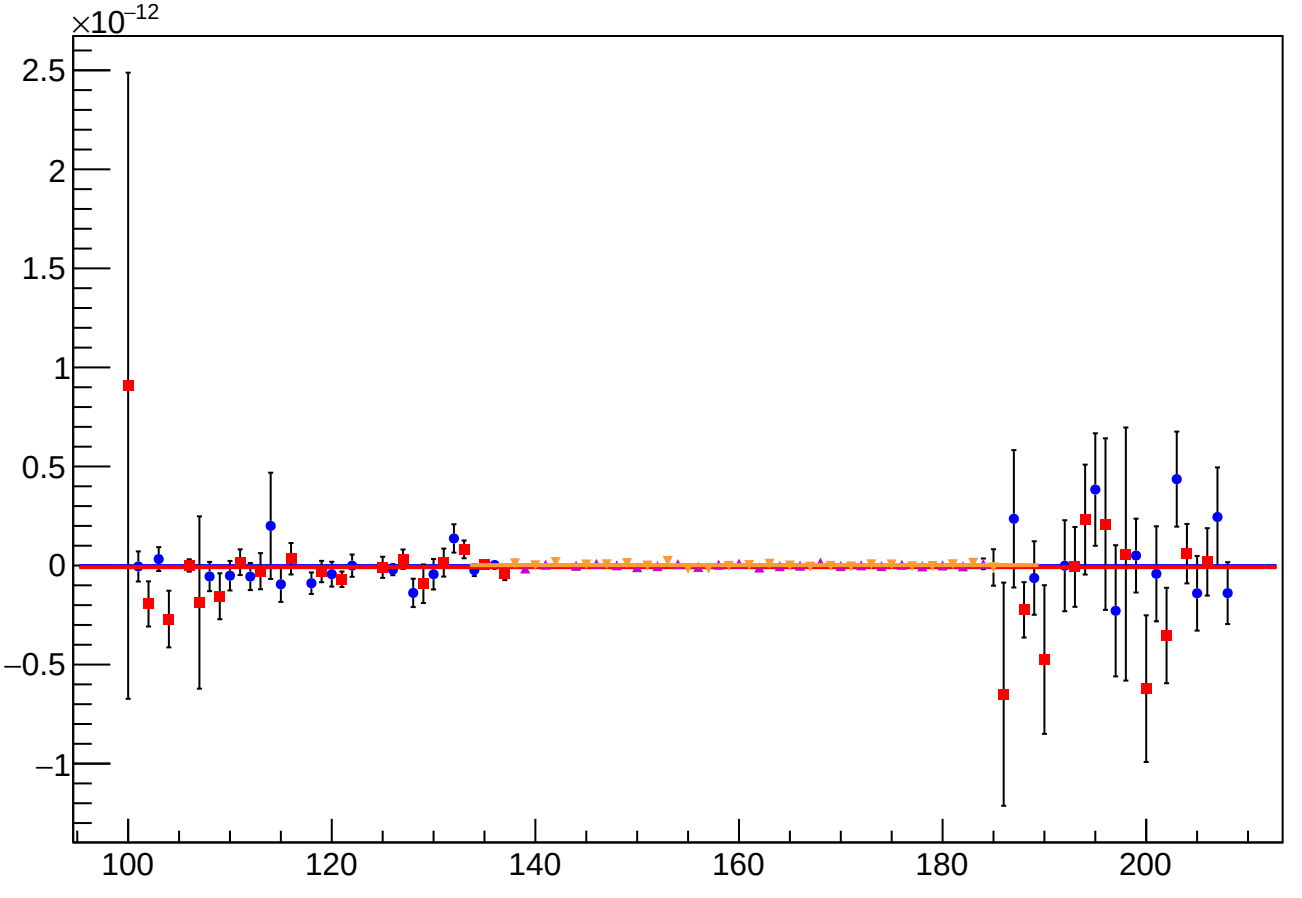
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2558.793+/-0.325 χ^2/NDF: 1557487.9/55

In: 2323.956+/-0.283 χ^2/NDF:1136304.8/49

Out: 2335.620+/-0.284 χ^2/NDF:1227281.5/52

All: 2329.787+/-0.200 χ^2/NDF: 2364432.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/28

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

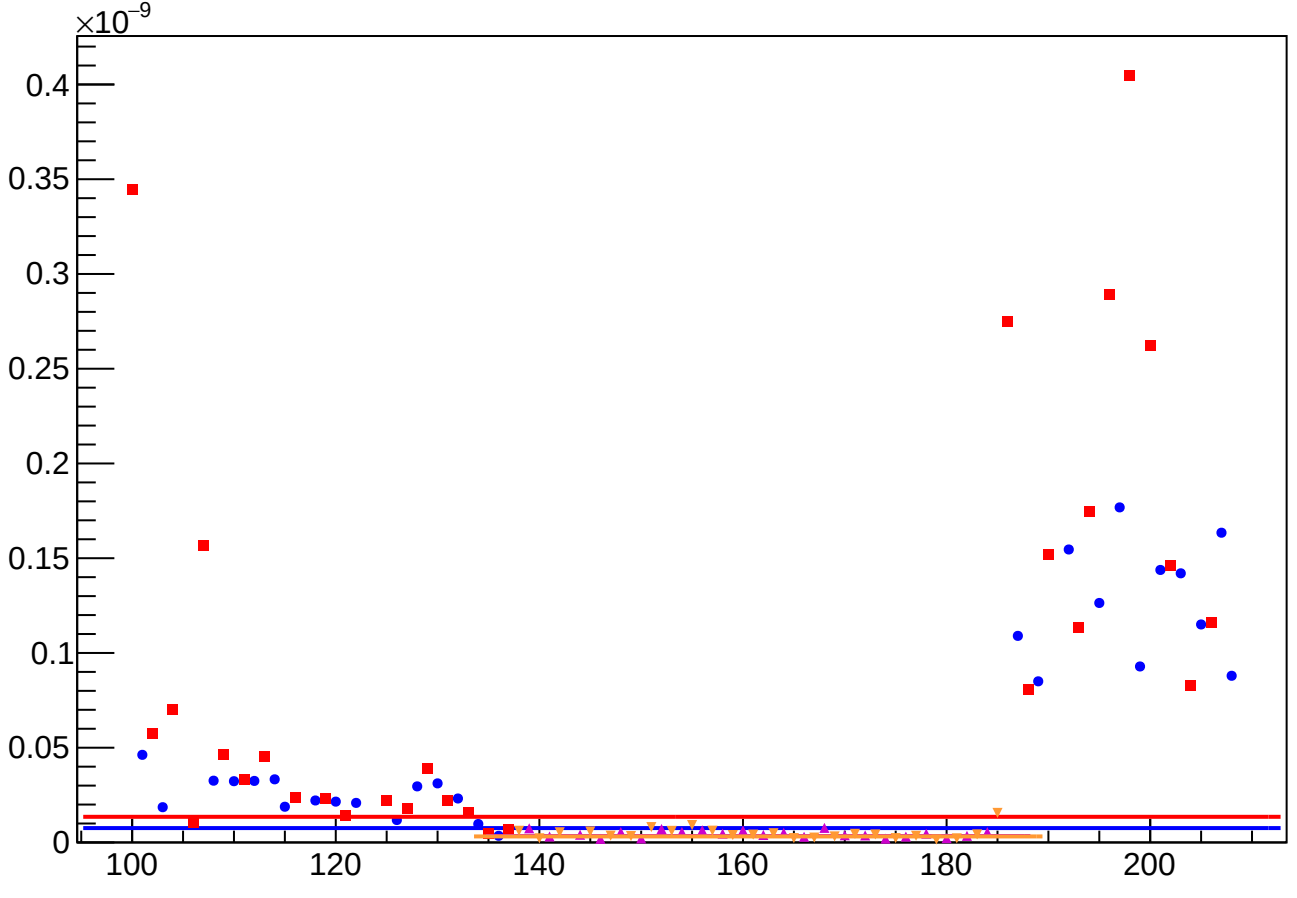
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 54.6/55

In: -0.000+/-0.000 χ^2/NDF:37.7/49

Out: 0.000+/-0.000 χ^2/NDF:50.7/52

All: 0.000+/-0.000 χ^2/NDF: 89.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 8764282.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9347056.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

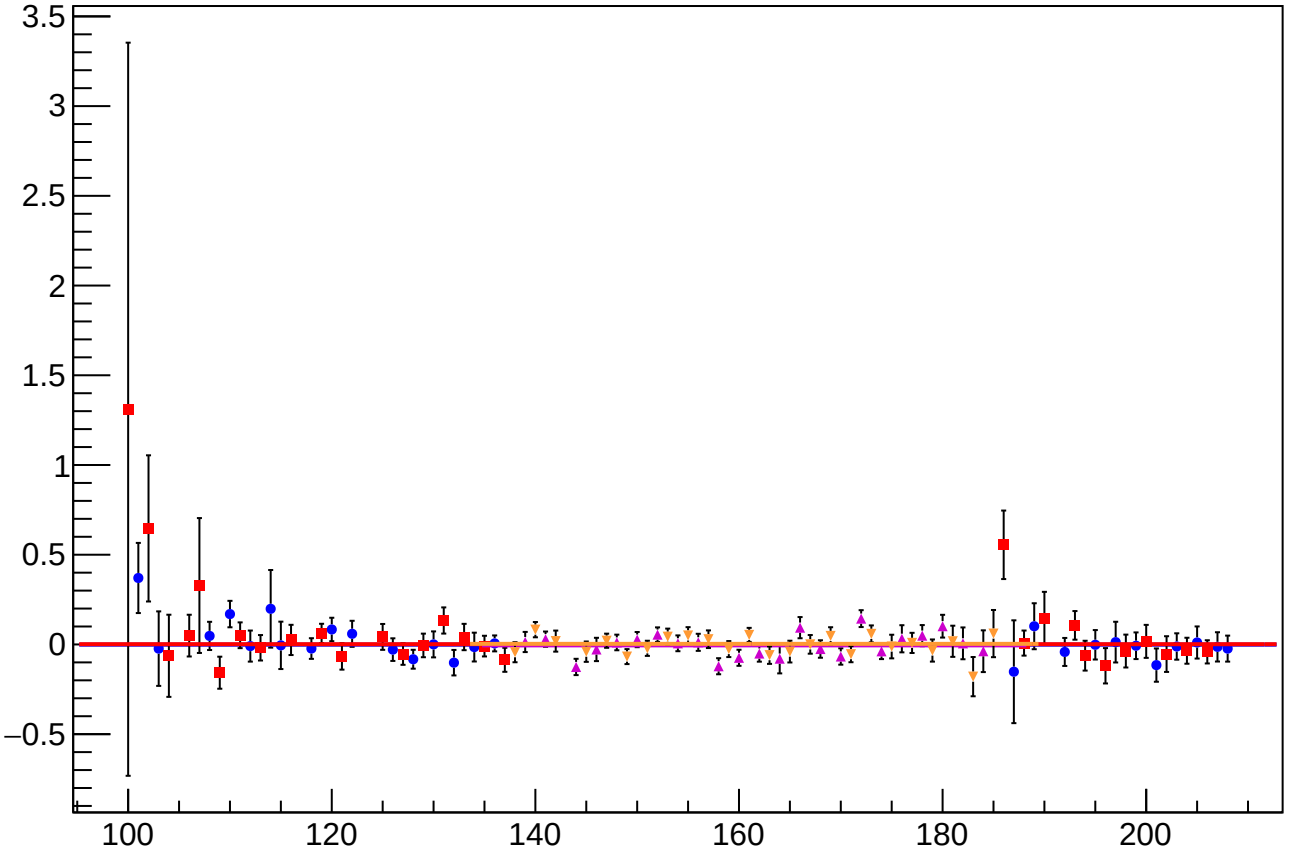
Right: 0.000+/-0.000 χ^2/NDF: 18644255.4/55

In: 0.000+/-0.000 χ^2/NDF:11306822.0/49

Out: 0.000+/-0.000 χ^2/NDF:13652869.7/52

All: 0.000+/-0.000 χ^2/NDF: 24983755.7/102

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

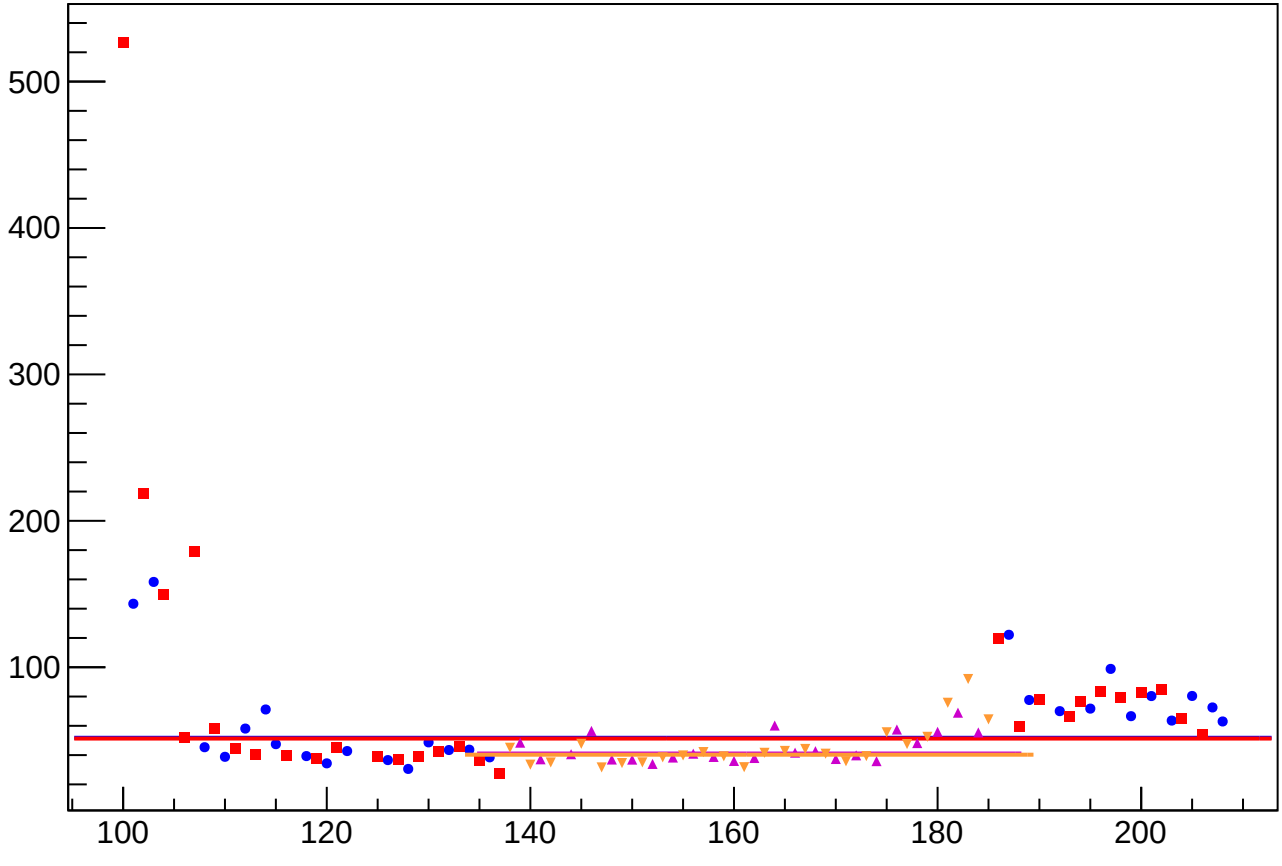
Right: 0.000+/-0.011 χ^2/NDF: 51.0/55

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.001+/-0.006 χ^2/NDF: 114.6/102

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

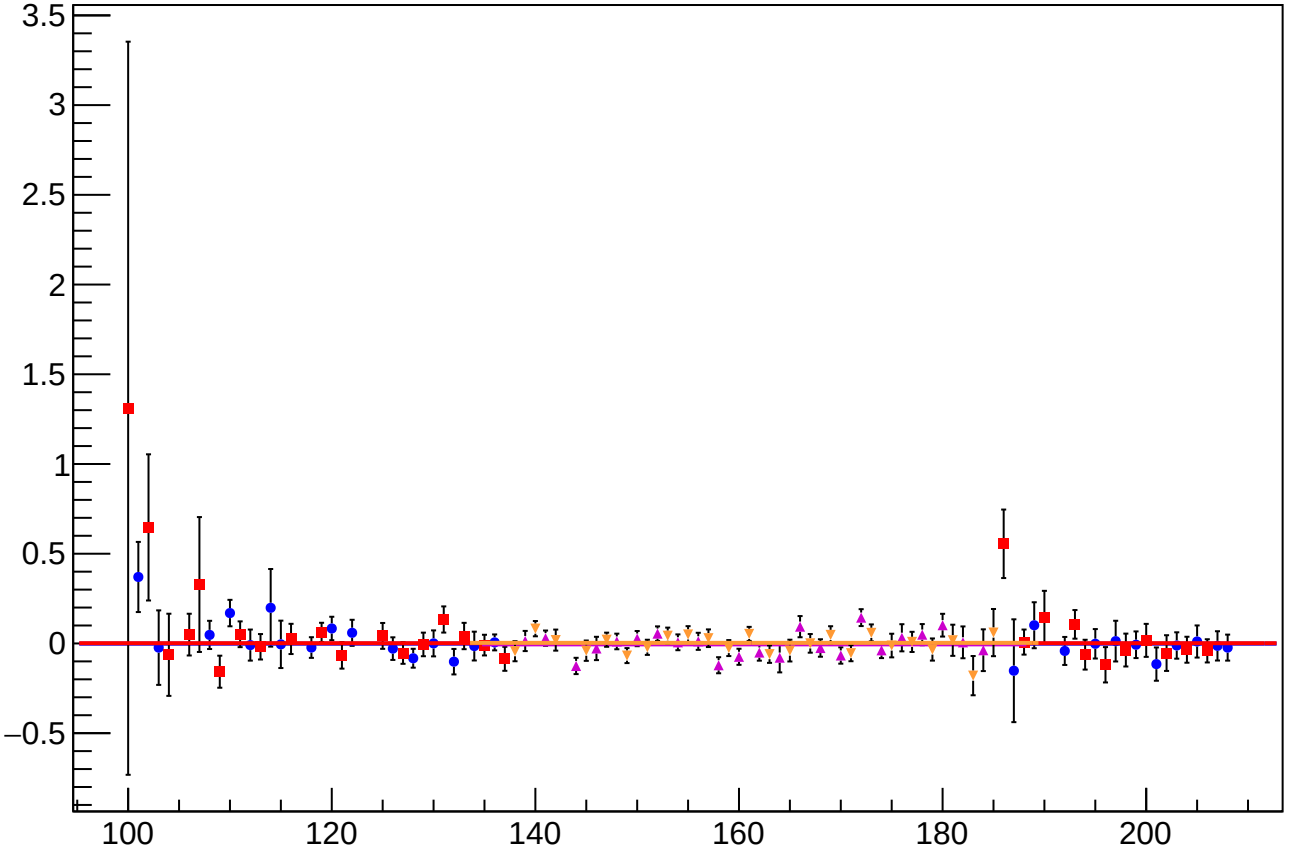
Right: 51.569+/-0.008 χ^2/NDF: 7009670.0/55

In: 44.627+/-0.006 χ^2/NDF:5095939.8/49

Out: 43.789+/-0.006 χ^2/NDF:5731908.3/52

All: 44.204+/-0.004 χ^2/NDF: 10837337.8/102

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

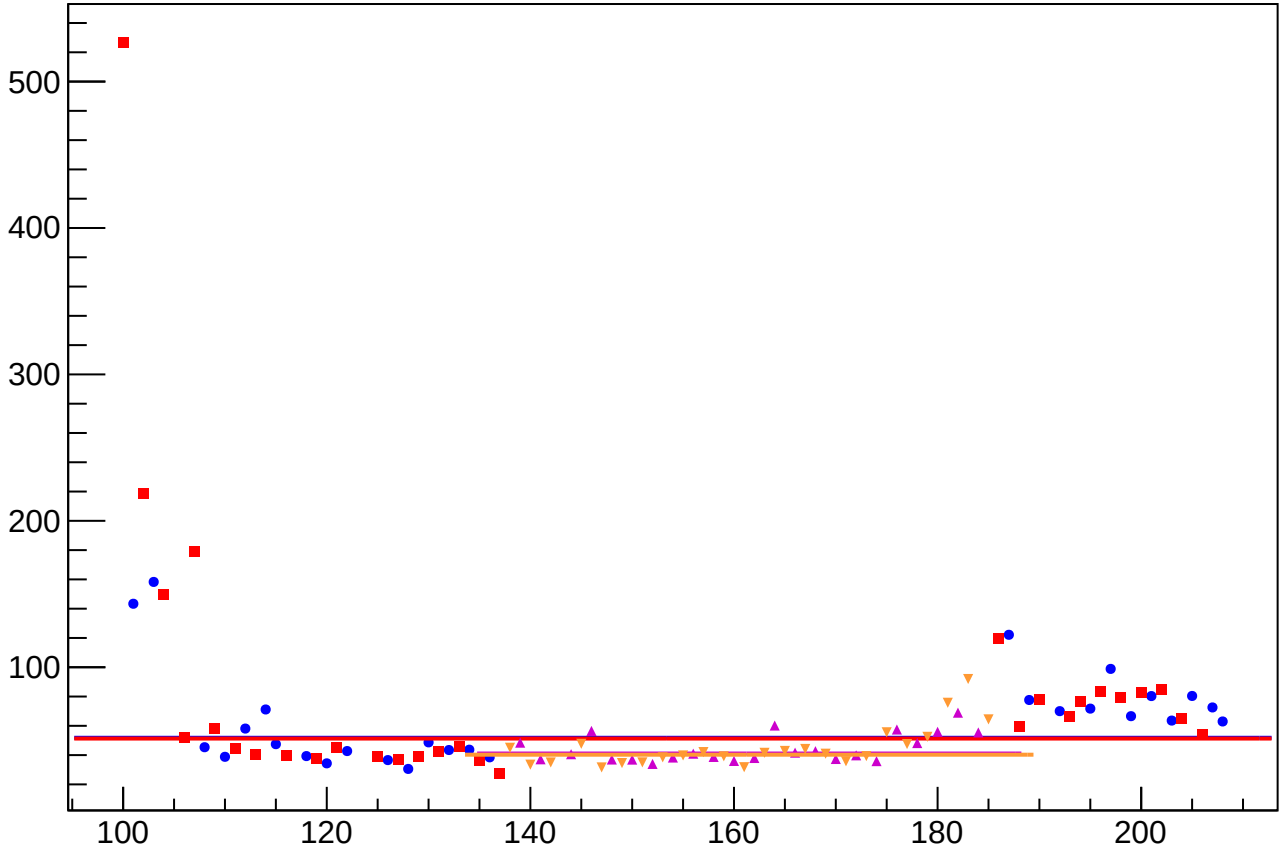
Right: 0.000+/-0.011 χ^2/NDF: 51.0/55

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.001+/-0.006 χ^2/NDF: 114.6/102

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

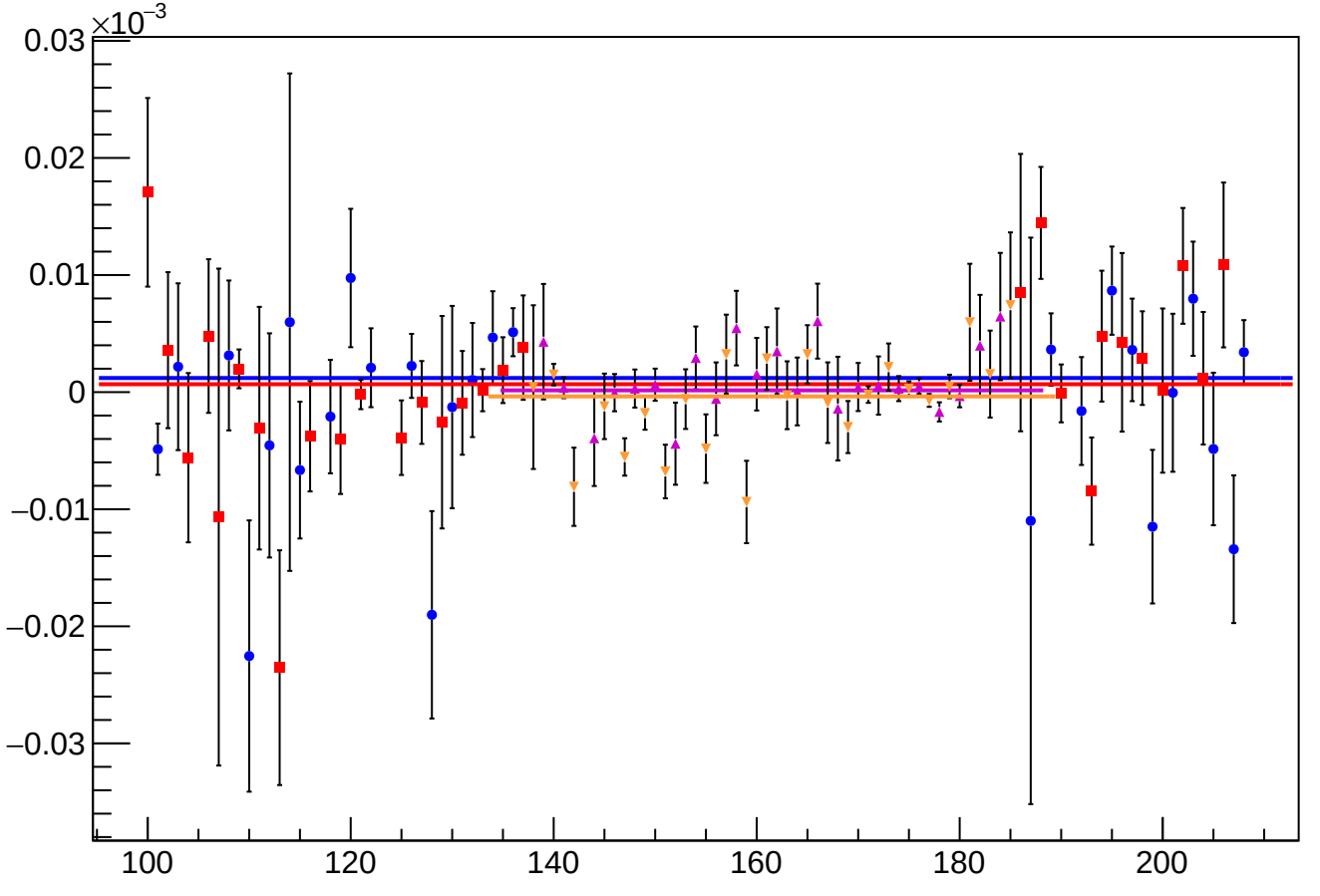
Right: 51.569+/-0.008 χ^2/NDF: 7009670.0/55

In: 44.627+/-0.006 χ^2/NDF:5095939.8/49

Out: 43.789+/-0.006 χ^2/NDF:5731908.3/52

All: 44.204+/-0.004 χ^2/NDF: 10837337.8/102

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: 44.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

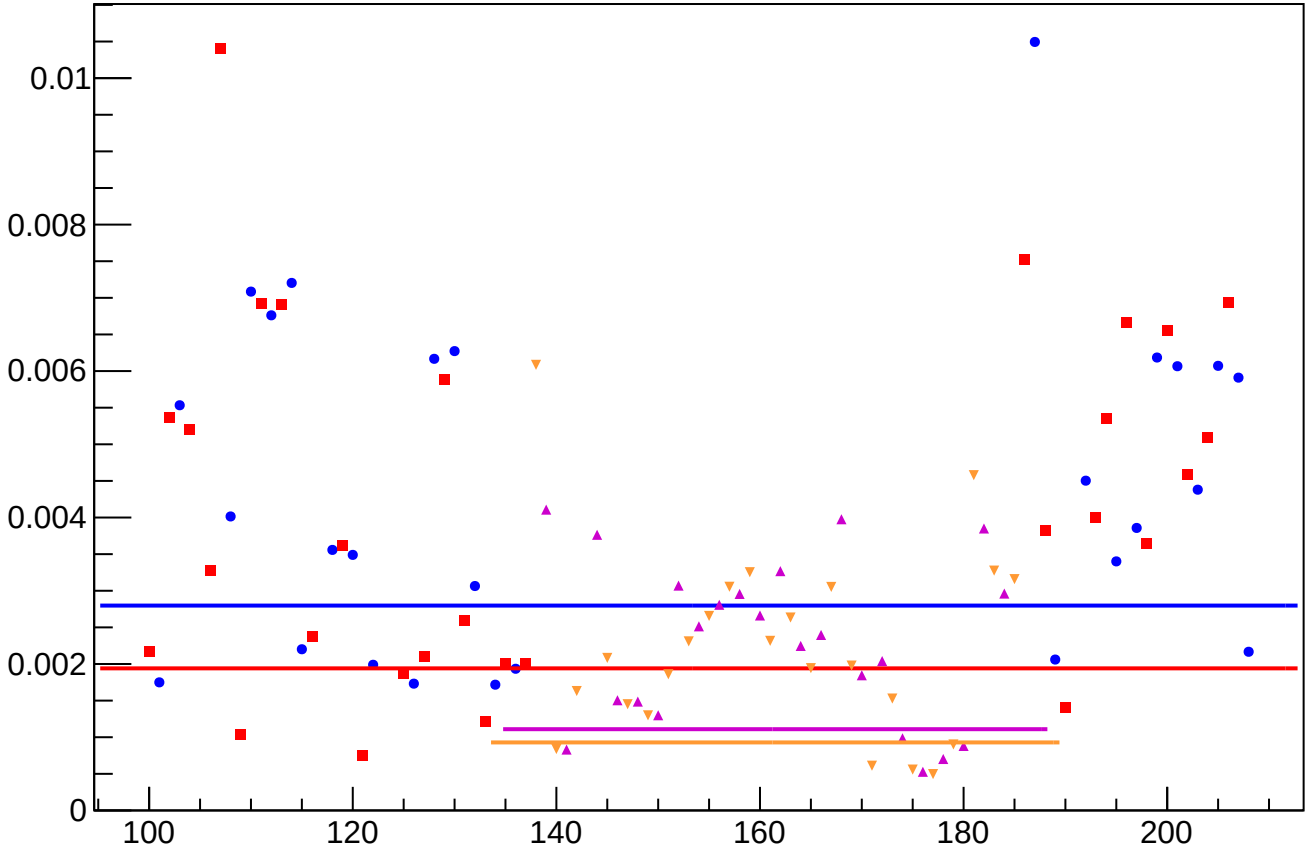
Right: 0.000+/-0.000 χ^2/NDF: 83.2/55

In: 0.000+/-0.000 χ^2/NDF:66.1/49

Out: -0.000+/-0.000 χ^2/NDF:91.6/52

All: 0.000+/-0.000 χ^2/NDF: 159.3/102

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6239011.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 11914886.1/28

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

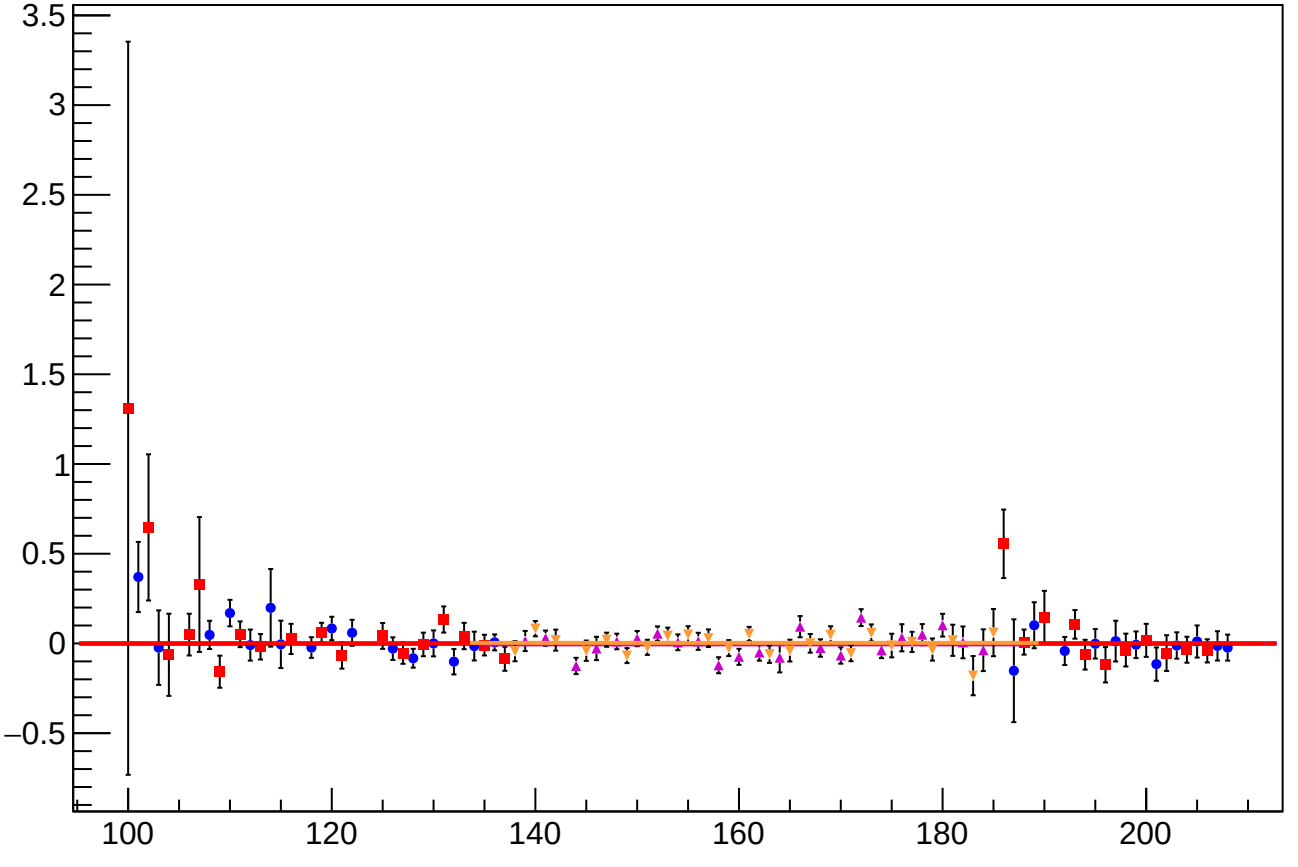
Right: 0.002+/-0.000 χ^2/NDF: 19519240.4/55

In: 0.001+/-0.000 χ^2/NDF:24626768.5/49

Out: 0.001+/-0.000 χ^2/NDF:28638762.5/52

All: 0.001+/-0.000 χ^2/NDF: 54058976.5/102

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

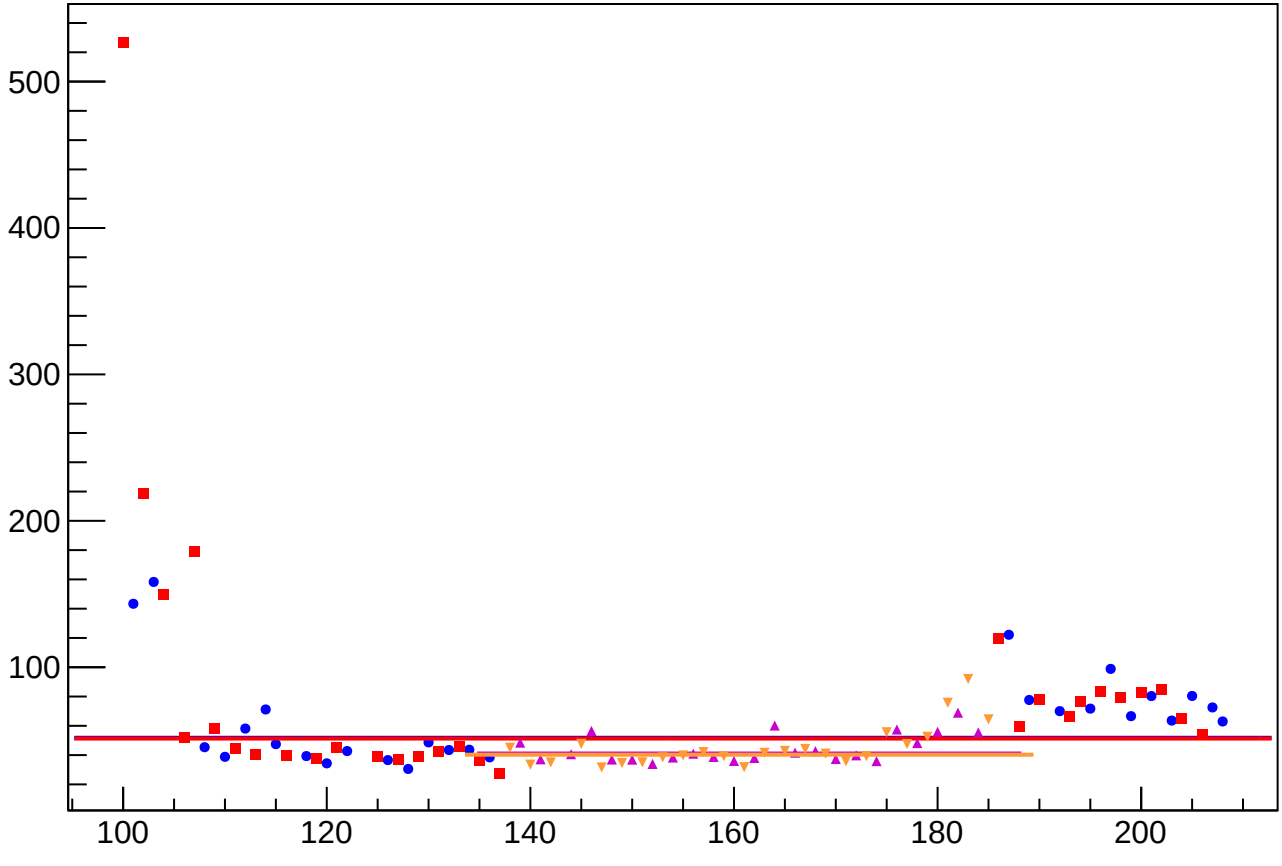
Right: 0.000+/-0.011 χ^2/NDF: 51.0/55

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.001+/-0.006 χ^2/NDF: 114.6/102

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

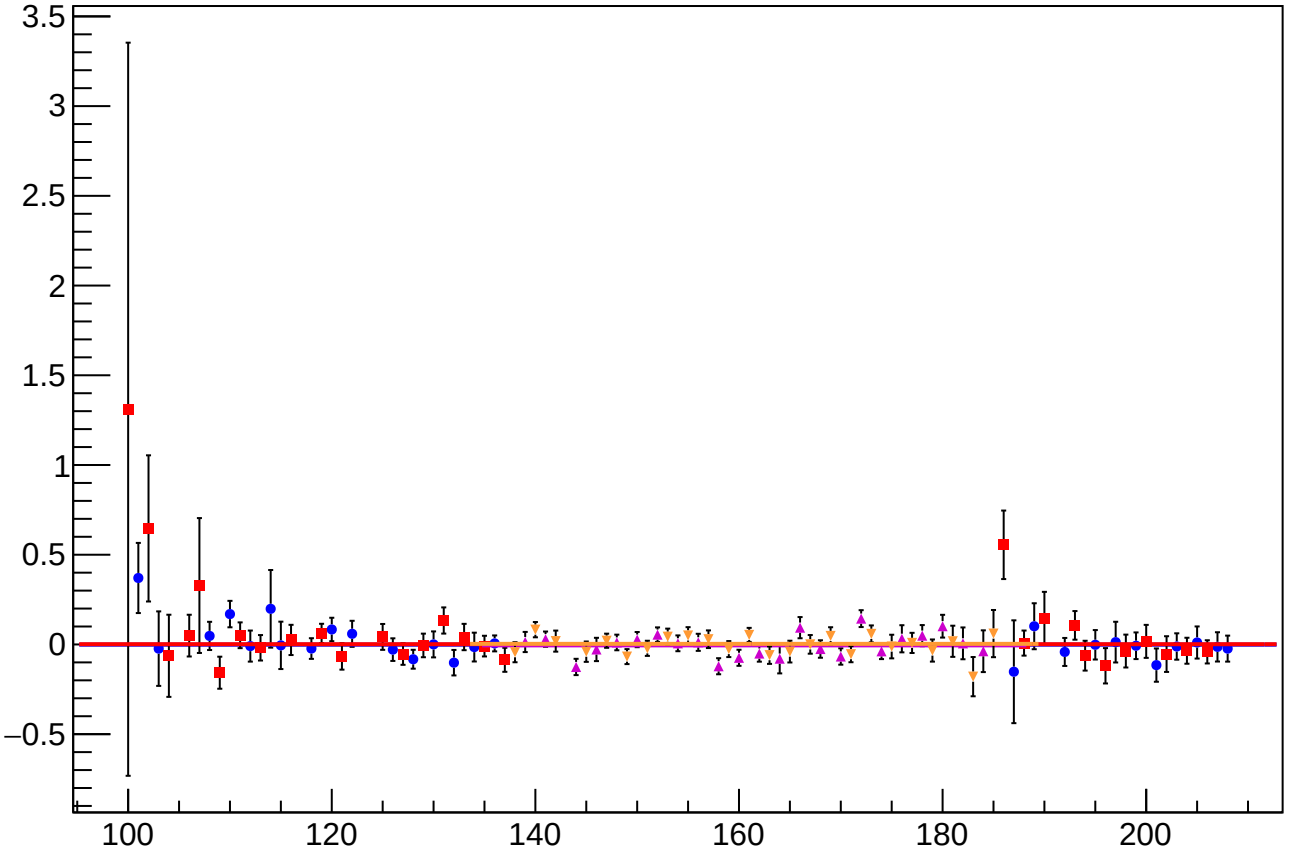
Right: 51.568+/-0.008 χ^2/NDF: 7010216.4/55

In: 44.627+/-0.006 χ^2/NDF:5096324.8/49

Out: 43.790+/-0.006 χ^2/NDF:5731913.0/52

All: 44.204+/-0.004 χ^2/NDF: 10837709.8/102

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

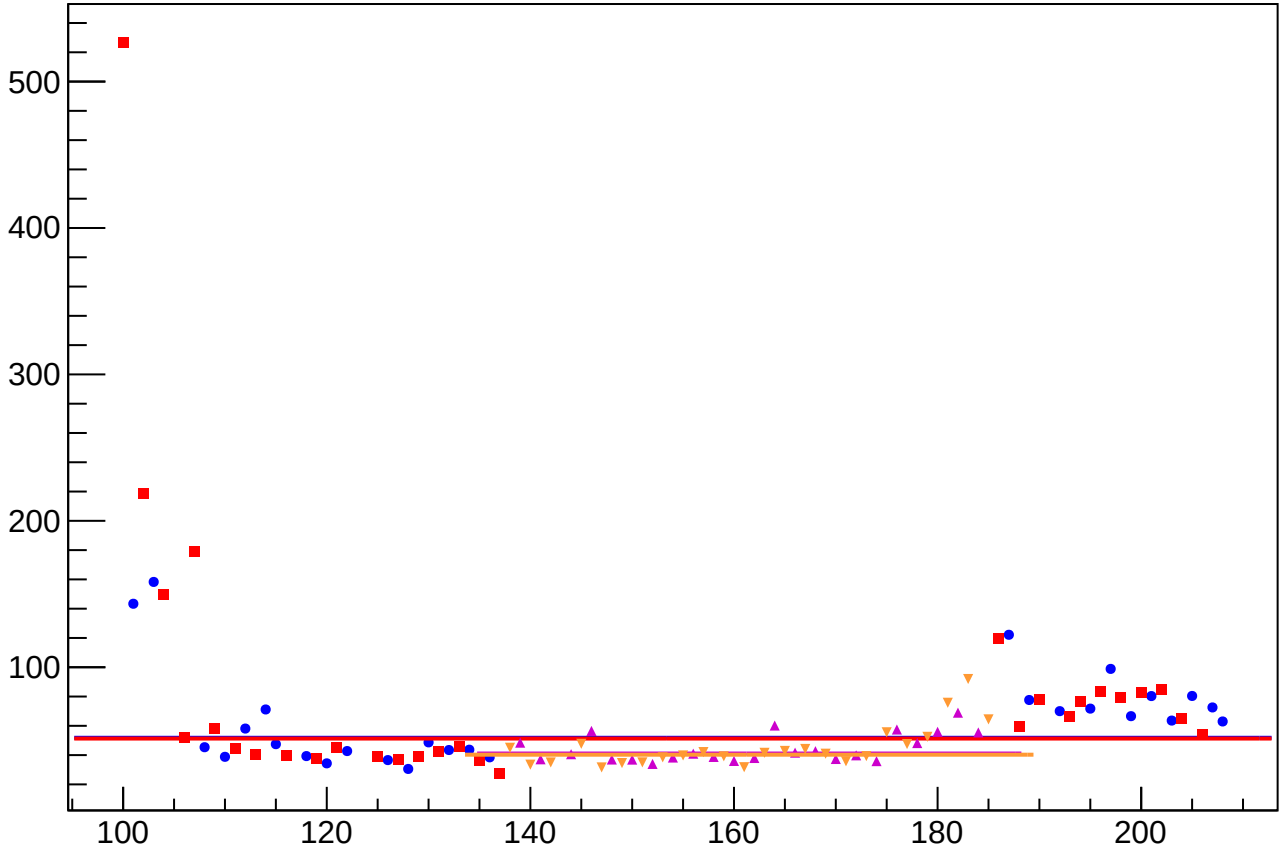
Right: 0.000+/-0.011 χ^2/NDF: 51.0/55

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.001+/-0.006 χ^2/NDF: 114.6/102

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

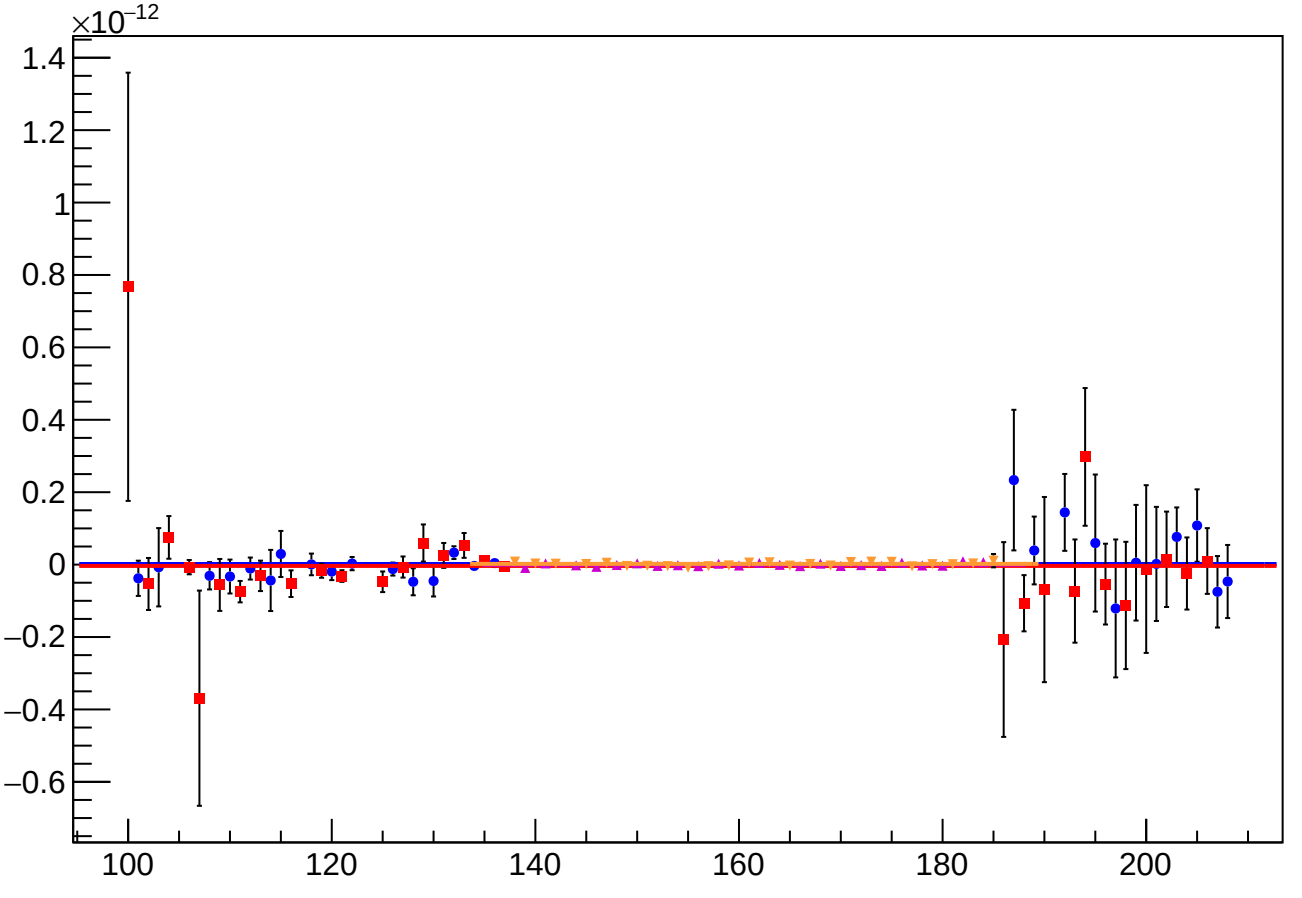
Right: 51.568+/-0.008 χ^2/NDF: 7010216.4/55

In: 44.627+/-0.006 χ^2/NDF:5096324.8/49

Out: 43.790+/-0.006 χ^2/NDF:5731913.0/52

All: 44.204+/-0.004 χ^2/NDF: 10837709.8/102

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: 17.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

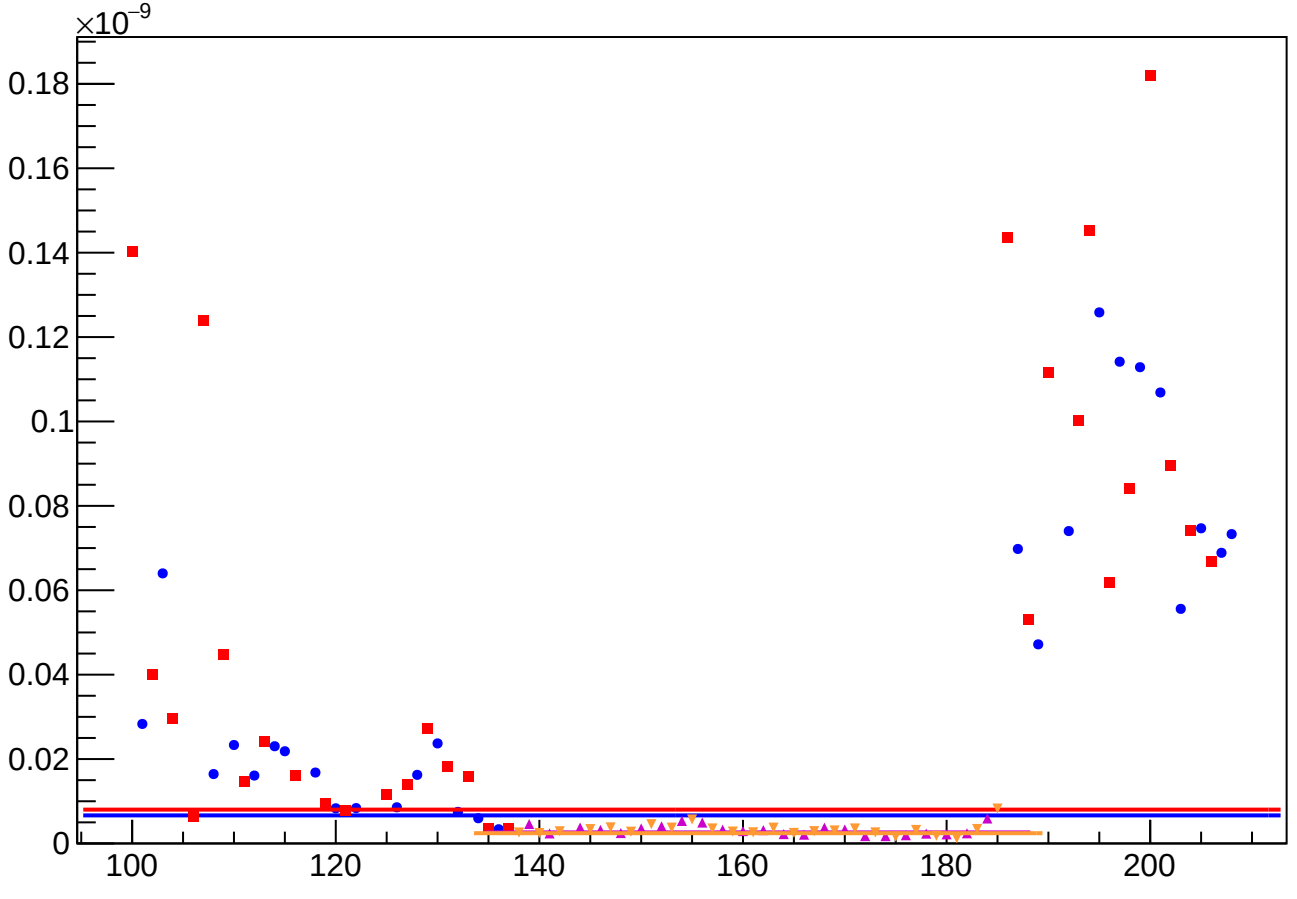
Right: -0.000+/-0.000 χ^2/NDF: 52.6/55

In: -0.000+/-0.000 χ^2/NDF:40.6/49

Out: 0.000+/-0.000 χ^2/NDF:61.2/52

All: 0.000+/-0.000 χ^2/NDF: 105.0/102

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11216640.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11741979.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

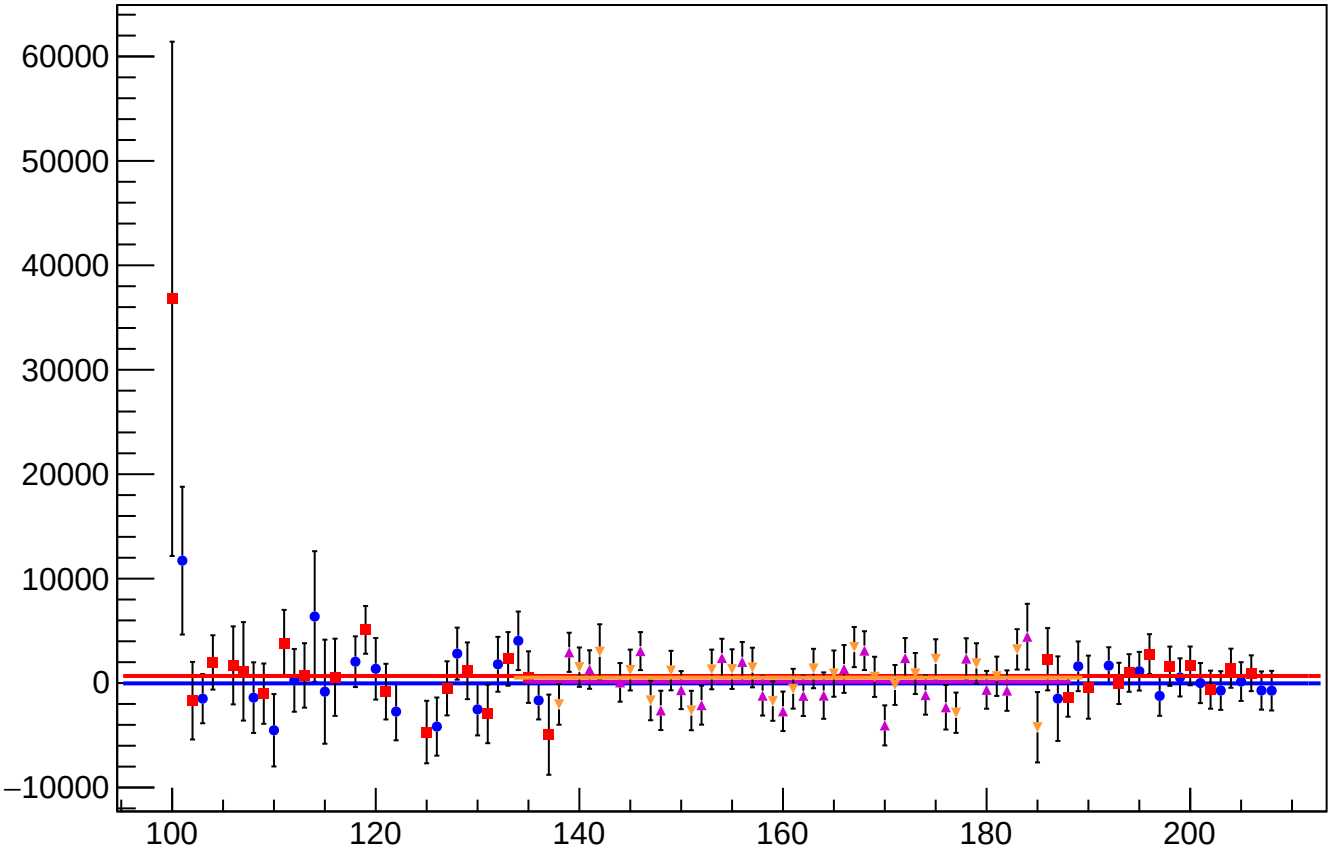
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 23059348.2/55

In: 0.000+/-0.000 χ^2/NDF:15204966.3/49

Out: 0.000+/-0.000 χ^2/NDF:17274224.6/52

All: 0.000+/-0.000 χ^2/NDF: 32547472.3/102



Right In: -28.960+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 679.290+/-455.467 χ^2/NDF: 20.1/28

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

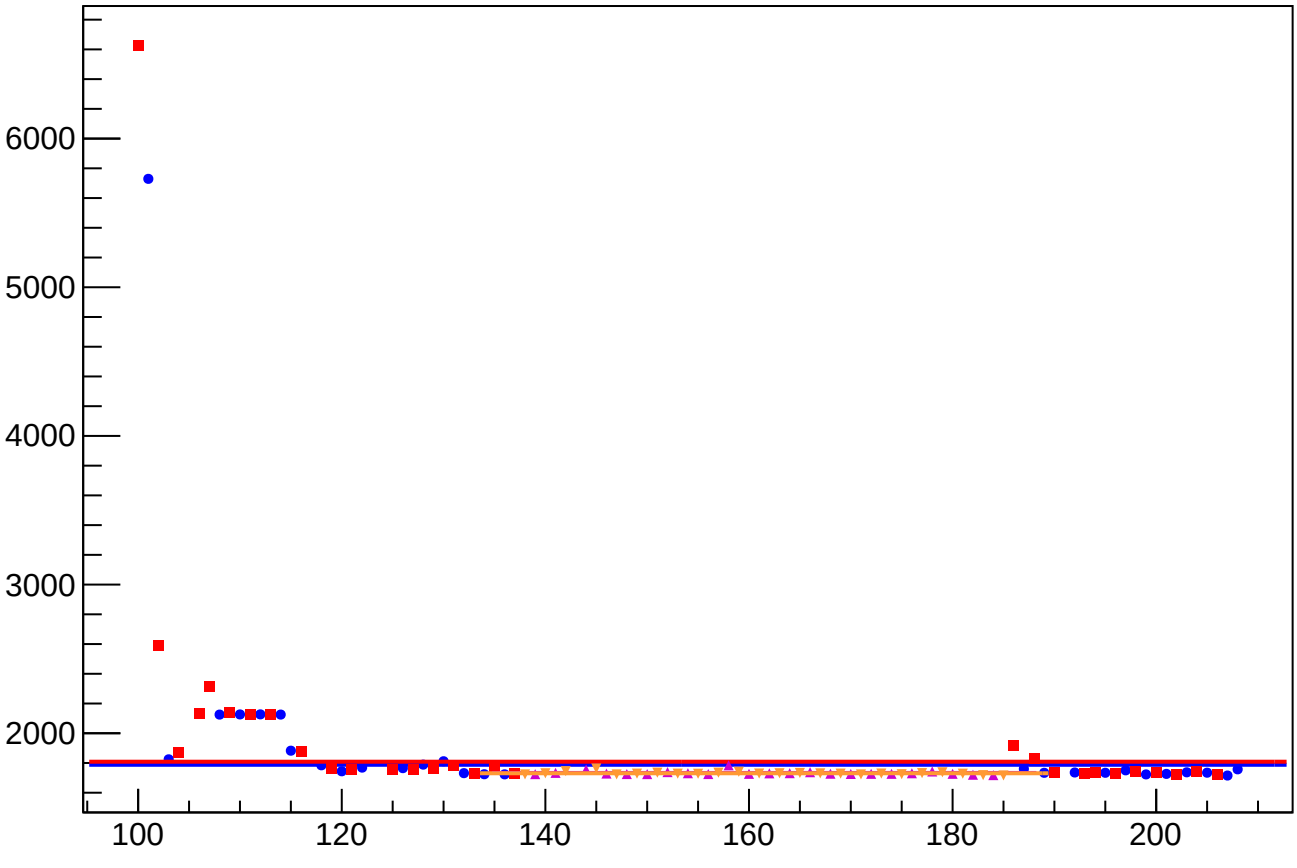
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 324.226+/-321.636 χ^2/NDF: 40.1/55

In: 57.461+/-302.146 χ^2/NDF:48.3/49

Out: 589.654+/-301.272 χ^2/NDF:40.9/52

All: 324.328+/-213.340 χ^2/NDF: 90.8/102



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.1/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1808.596+/-0.322 χ^2/NDF: 310913.5/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

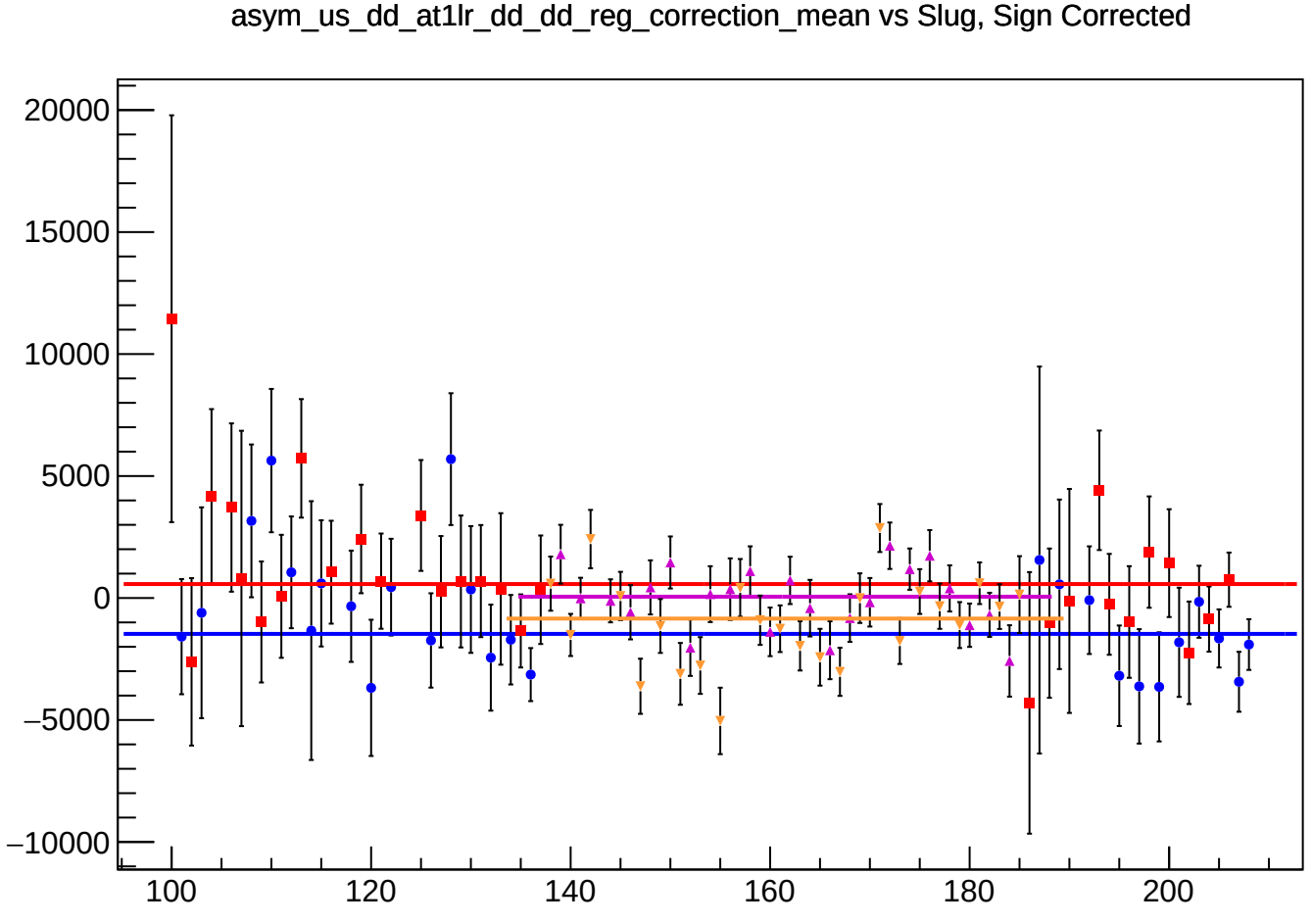
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

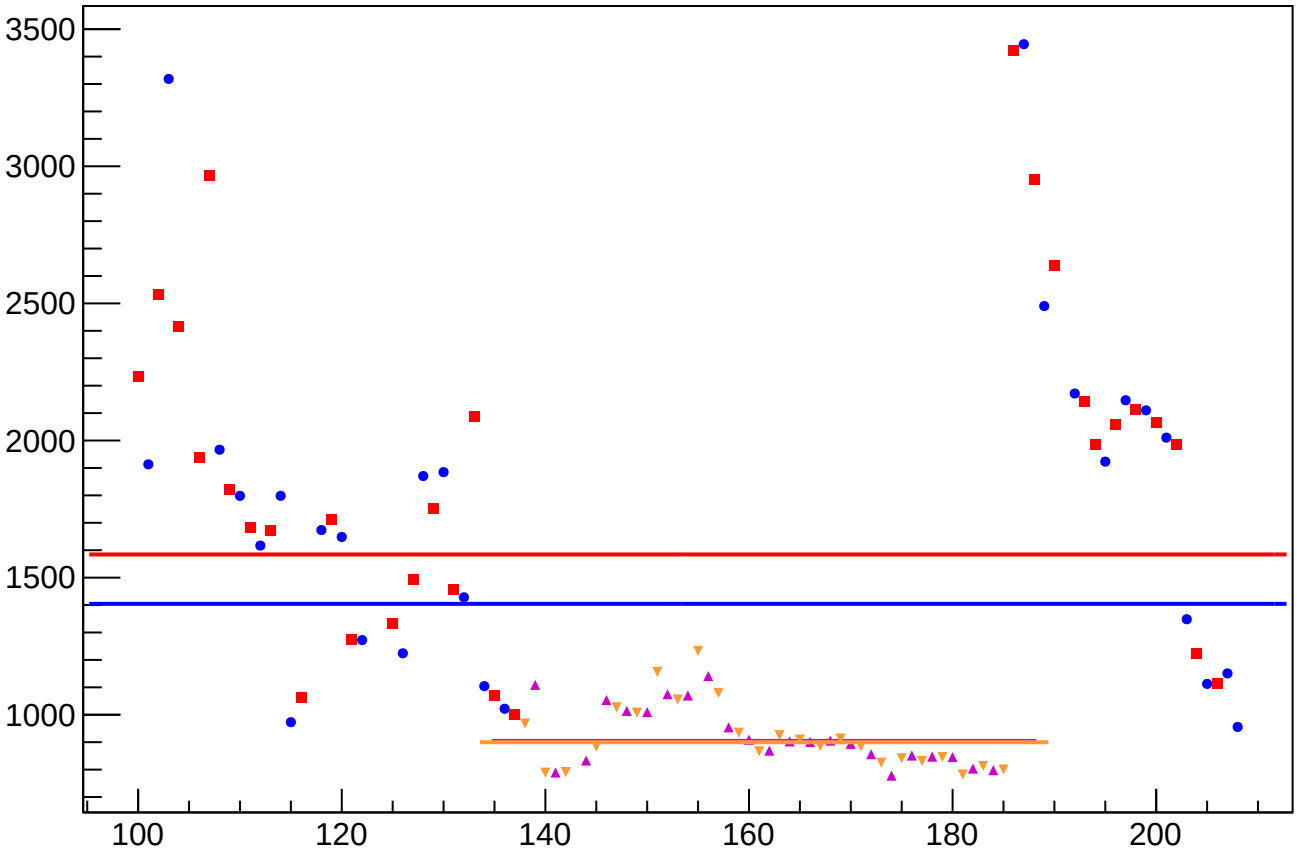
Right: 1798.236+/-0.227 χ^2/NDF: 1027081.7/55

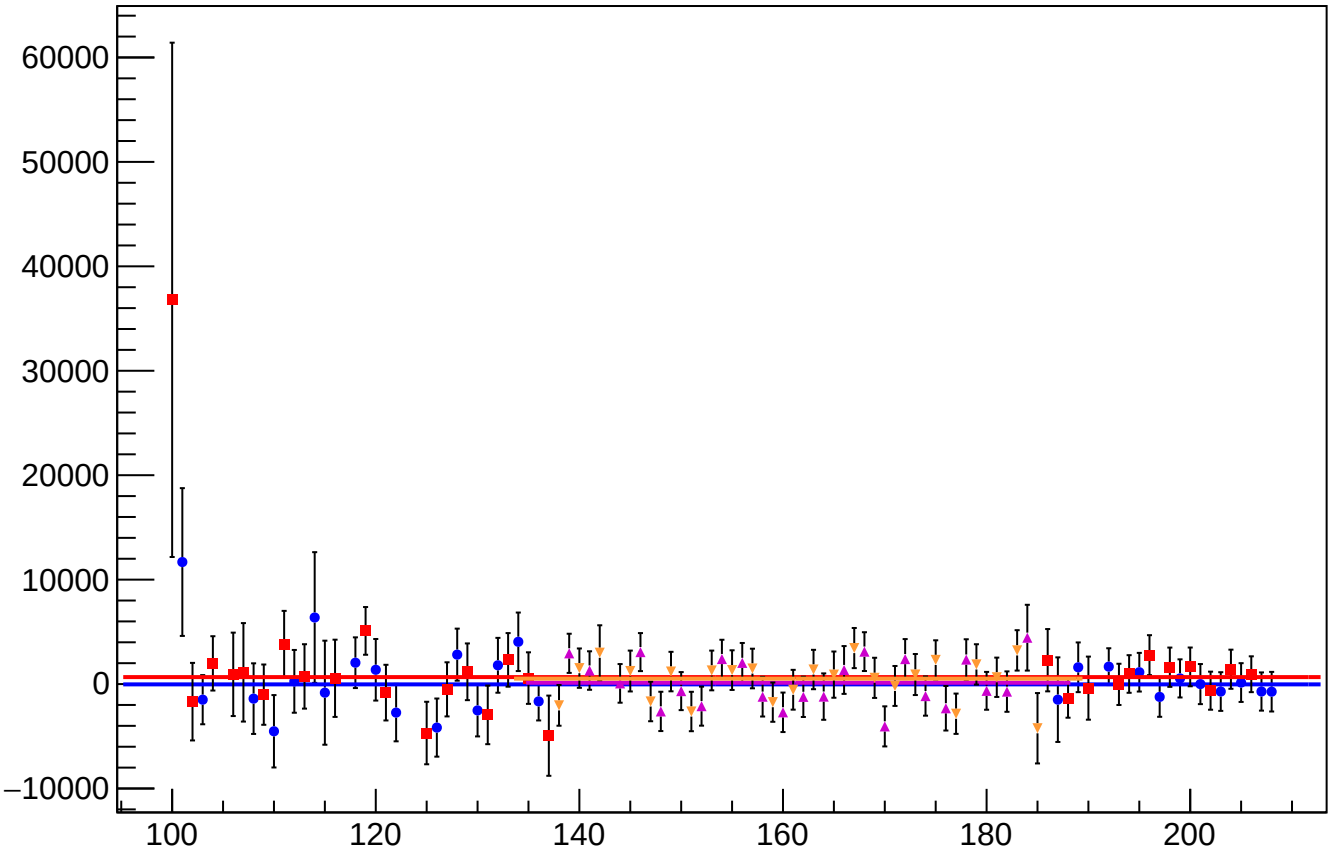
In: 1757.306+/-0.214 χ^2/NDF:732643.9/49

Out: 1764.864+/-0.213 χ^2/NDF:344663.2/52

All: 1761.096+/-0.151 χ^2/NDF: 1077934.7/10


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1470.600+/-373.179 χ²/NDF: 28.8/26
Left Out: -842.437+/-210.852 χ²/NDF:62.7/23
Right Out: 571.955+/-418.644 χ²/NDF: 21.0/28
Left In: 53.905+/-212.966 χ²/NDF:30.6/22
Left: -398.736+/-149.837 χ²/NDF: 102.3/46
Right: -566.215+/-278.570 χ²/NDF: 63.0/55
In: -320.617+/-184.966 χ²/NDF:72.0/49
Out: -556.247+/-188.316 χ²/NDF:92.8/52
All: -436.318+/-131.959 χ²/NDF: 165.6/102


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1404.450+/-0.264 χ²/NDF: 2991041.1/26
Left Out: 899.811+/-0.149 χ²/NDF:495328.4/23
Right Out: 1584.656+/-0.296 χ²/NDF: 2850696.0/28
Left In: 904.656+/-0.151 χ²/NDF:452251.7/22
Left: 902.210+/-0.106 χ²/NDF: 948102.8/46
Right: 1484.240+/-0.197 χ²/NDF: 6048233.7/55
In: 1027.439+/-0.131 χ²/NDF:6149364.1/49
Out: 1038.384+/-0.133 χ²/NDF:7615177.6/52
All: 1032.813+/-0.093 χ²/NDF: 13767980.0/1



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 667.590+/-455.892 χ^2/NDF: 20.0/28

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

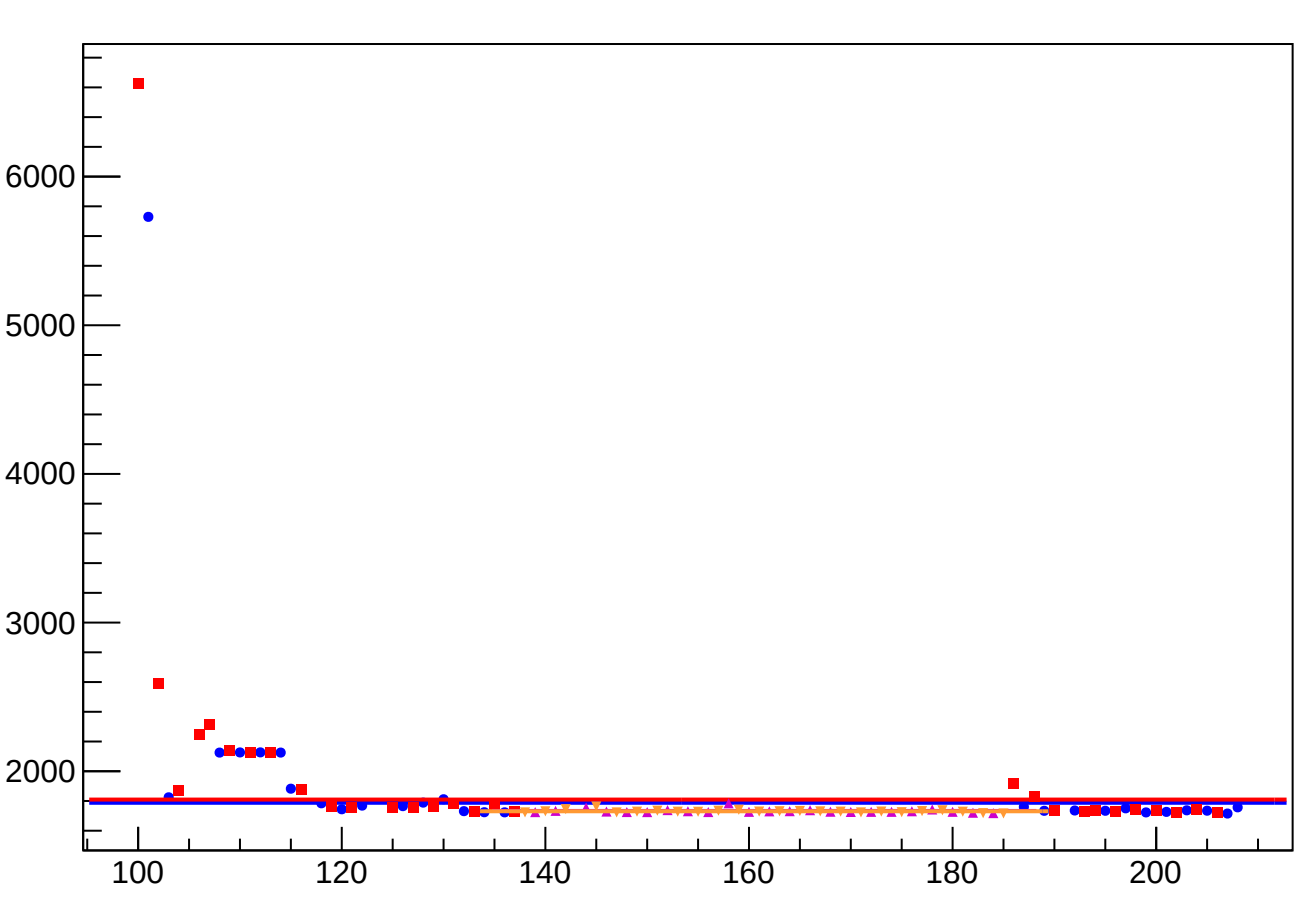
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 317.899+/-321.786 χ^2/NDF: 39.9/55

In: 57.348+/-302.146 χ^2/NDF:48.3/49

Out: 584.482+/-301.395 χ^2/NDF:40.9/52

All: 321.571+/-213.383 χ^2/NDF: 90.6/102



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

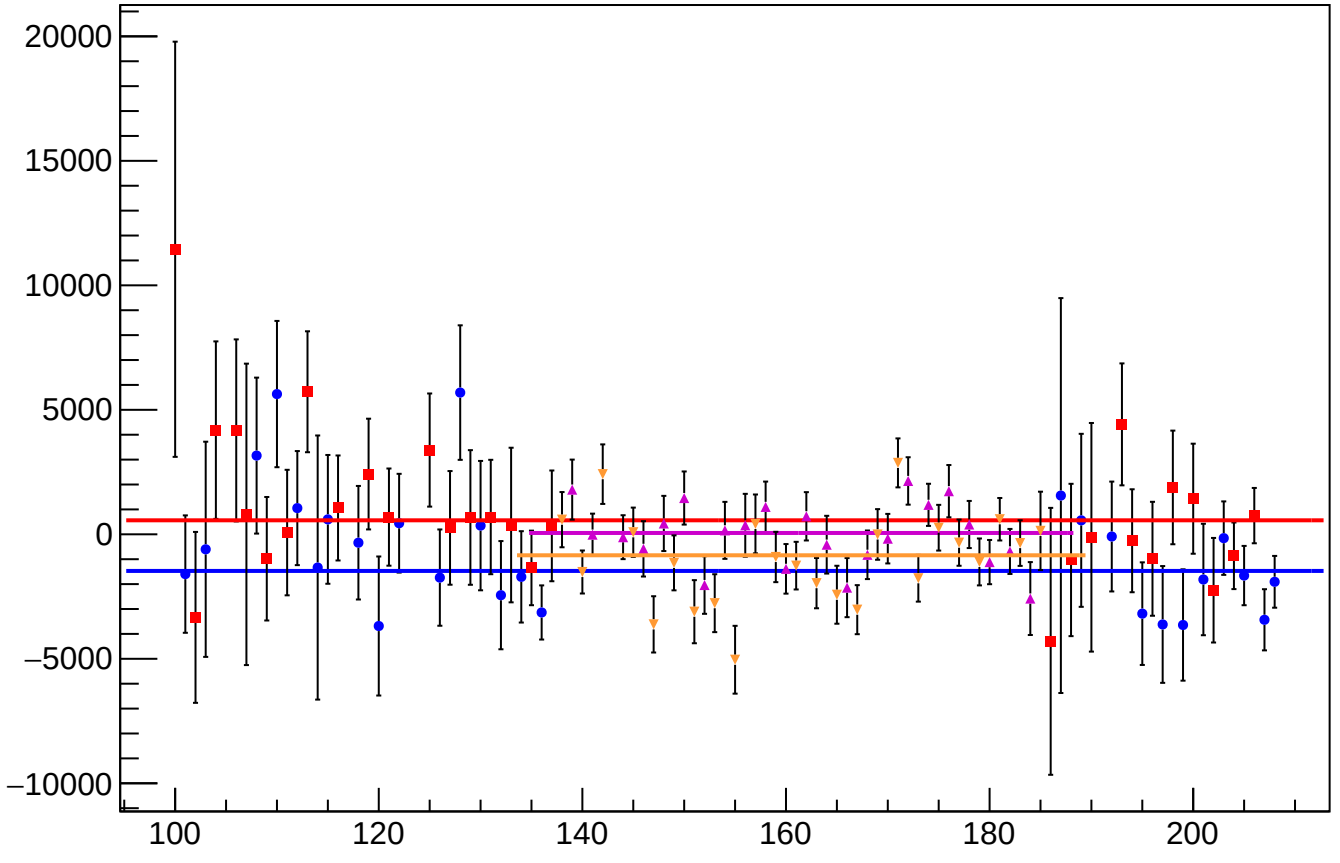
Right: 1798.682+/-0.228 χ^2/NDF: 1036557.2/55

In: 1757.306+/-0.214 χ^2/NDF:732643.7/49

Out: 1765.229+/-0.213 χ^2/NDF:354695.6/52

All: 1761.277+/-0.151 χ^2/NDF: 1088028.7/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

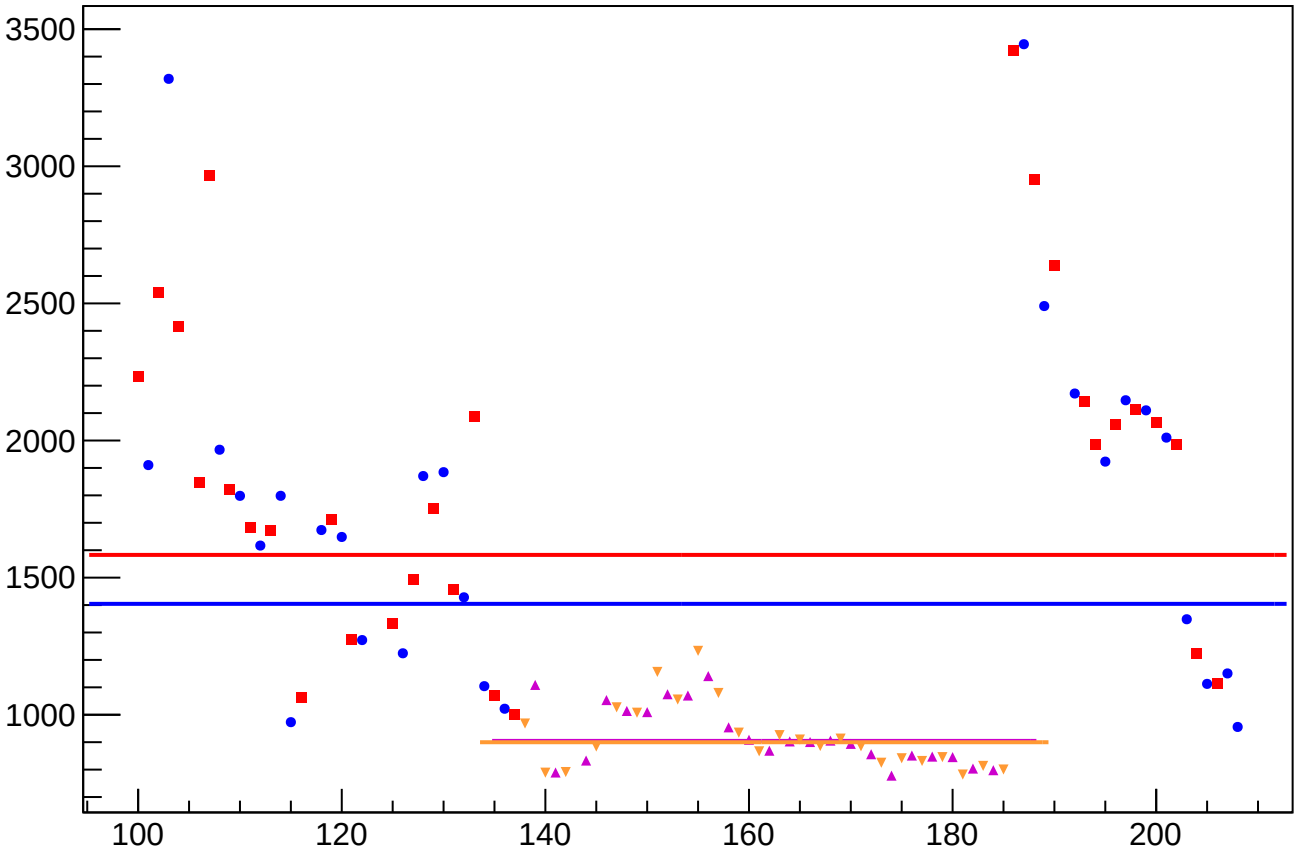
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -571.517+/-278.664 χ^2/NDF: 63.5/55

In: -320.702+/-184.964 χ^2/NDF:72.0/49

Out: -558.590+/-188.347 χ^2/NDF:93.2/52

All: -437.491+/-131.969 χ^2/NDF: 166.1/102



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

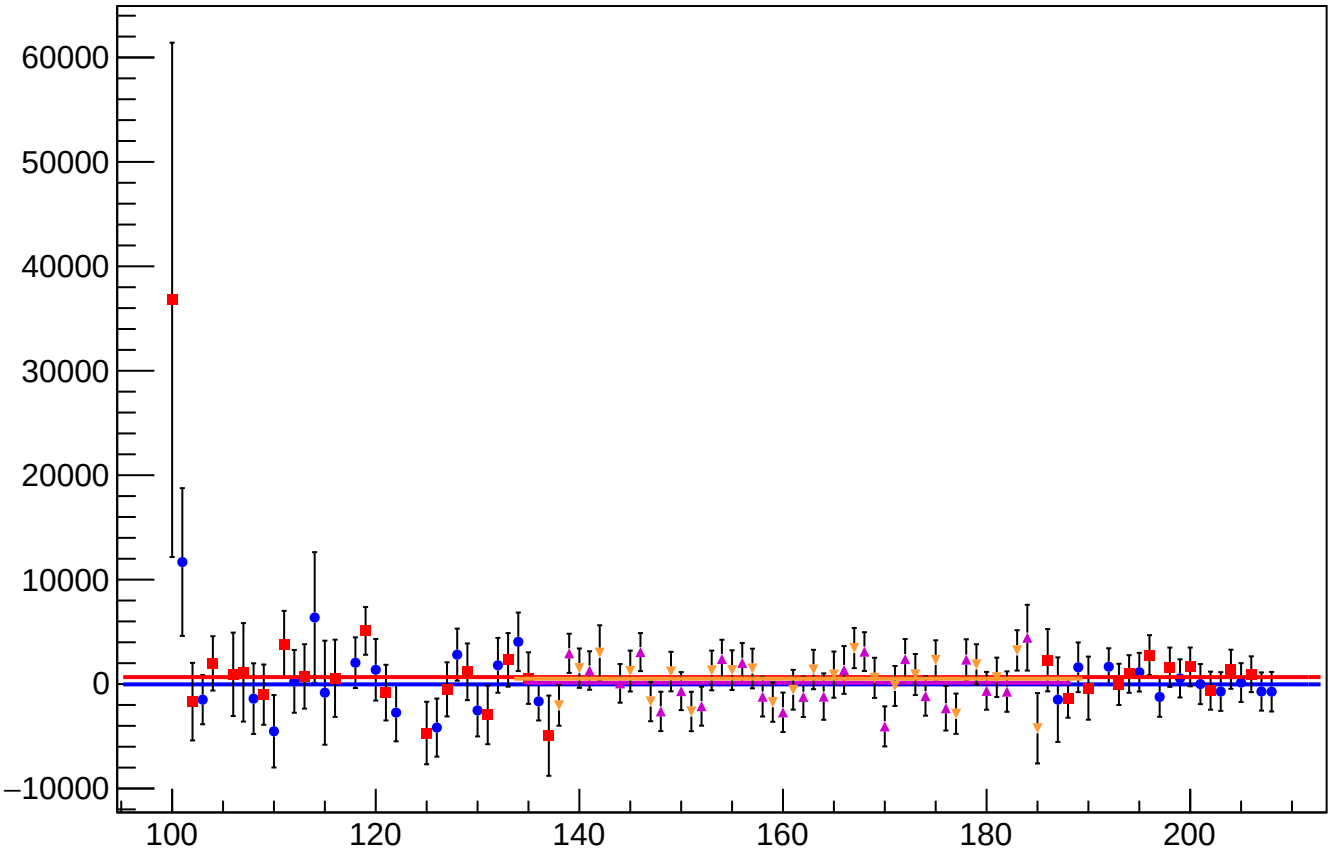
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1483.374+/-0.197 χ^2/NDF: 6034427.0/55

In: 1027.434+/-0.131 χ^2/NDF:6148550.0/49

Out: 1037.856+/-0.133 χ^2/NDF:7578815.4/52

All: 1032.551+/-0.093 χ^2/NDF: 13730482.8/1



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 667.590+/-455.892 χ^2/NDF: 20.0/28

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

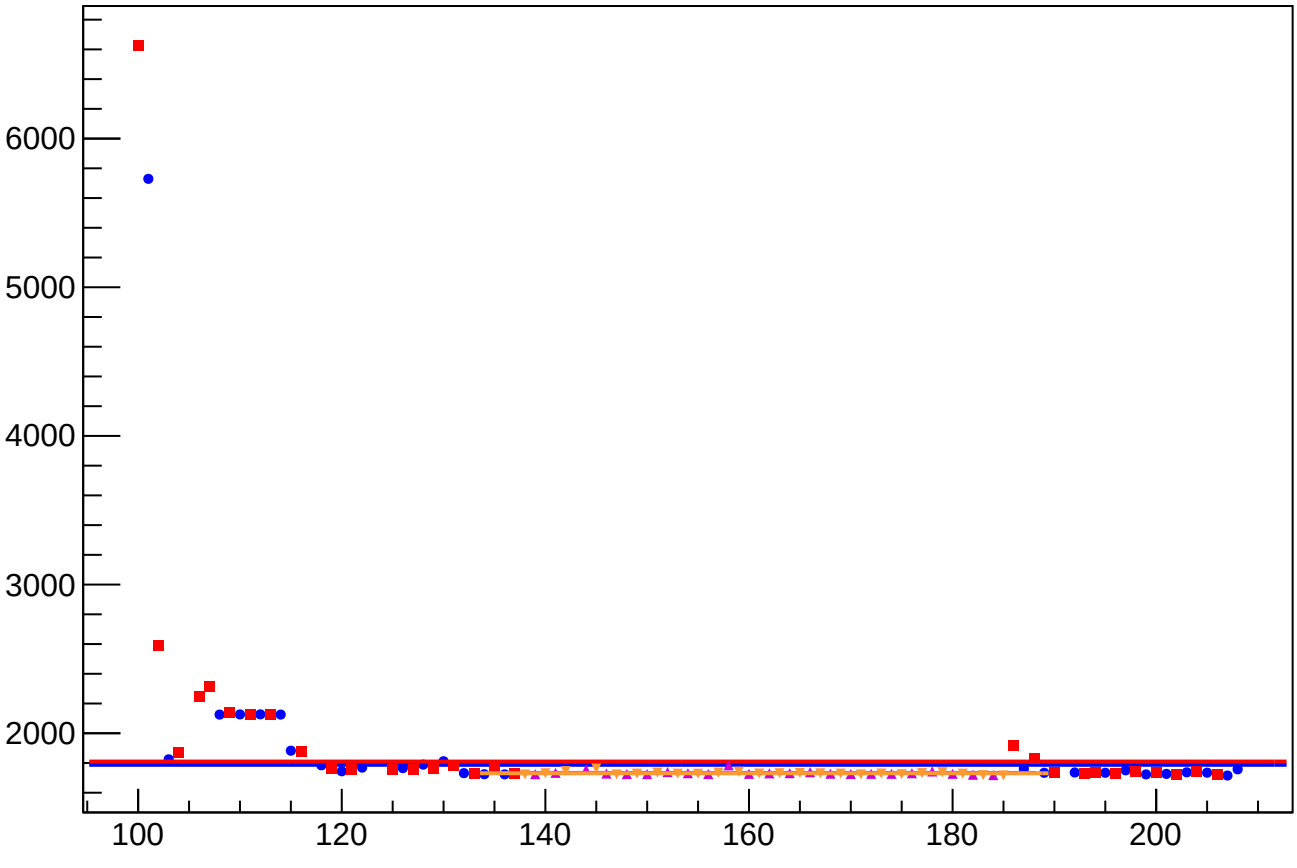
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 317.899+/-321.786 χ^2/NDF: 39.9/55

In: 57.348+/-302.146 χ^2/NDF:48.3/49

Out: 584.482+/-301.395 χ^2/NDF:40.9/52

All: 321.571+/-213.383 χ^2/NDF: 90.6/102



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

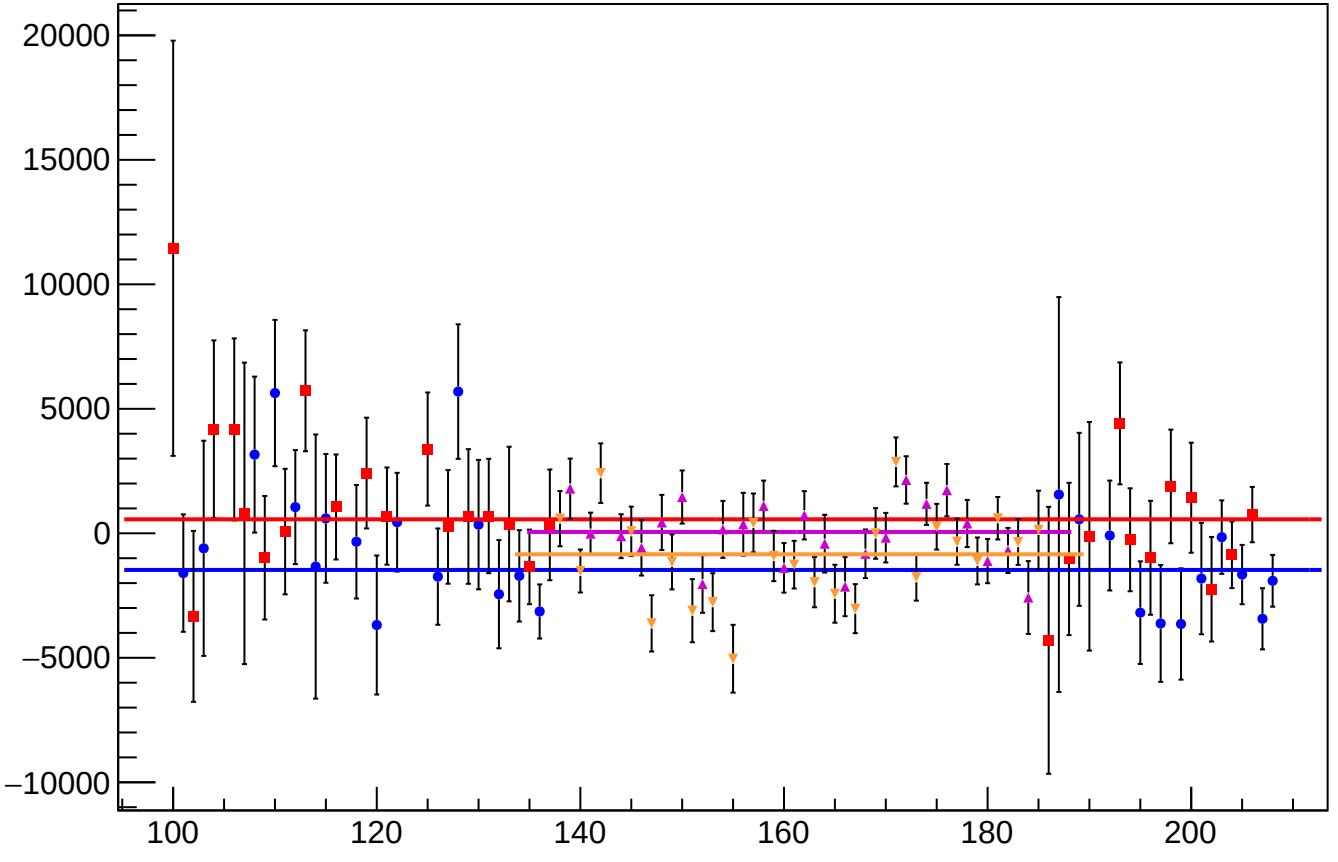
Right: 1798.682+/-0.228 χ^2/NDF: 1036557.2/55

In: 1757.306+/-0.214 χ^2/NDF:732643.7/49

Out: 1765.229+/-0.213 χ^2/NDF:354695.6/52

All: 1761.277+/-0.151 χ^2/NDF: 1088028.7/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

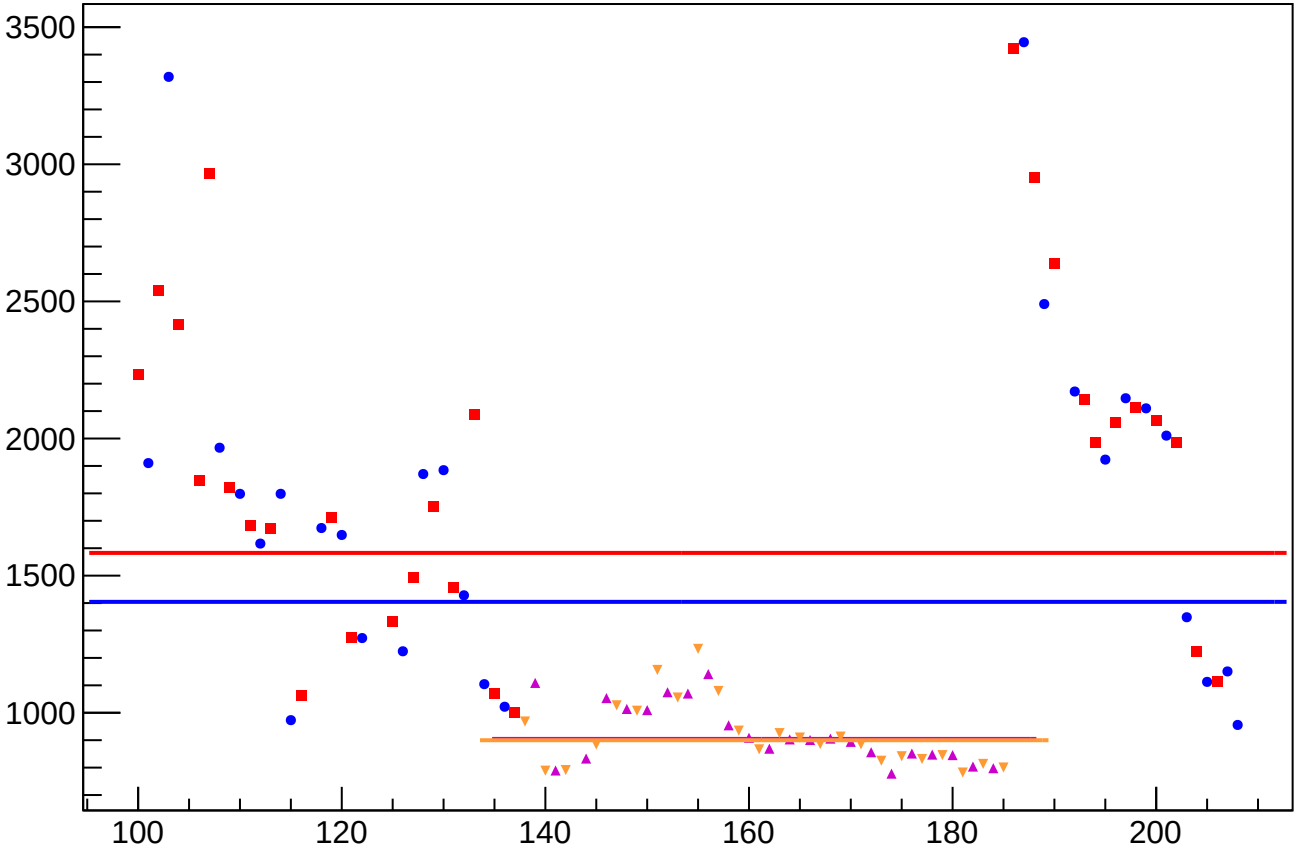
Right: -571.517+/-278.664 χ^2/NDF: 63.5/55

In: -320.702+/-184.964 χ^2/NDF:72.0/49

Out: -558.590+/-188.347 χ^2/NDF:93.2/52

All: -437.491+/-131.969 χ^2/NDF: 166.1/102

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

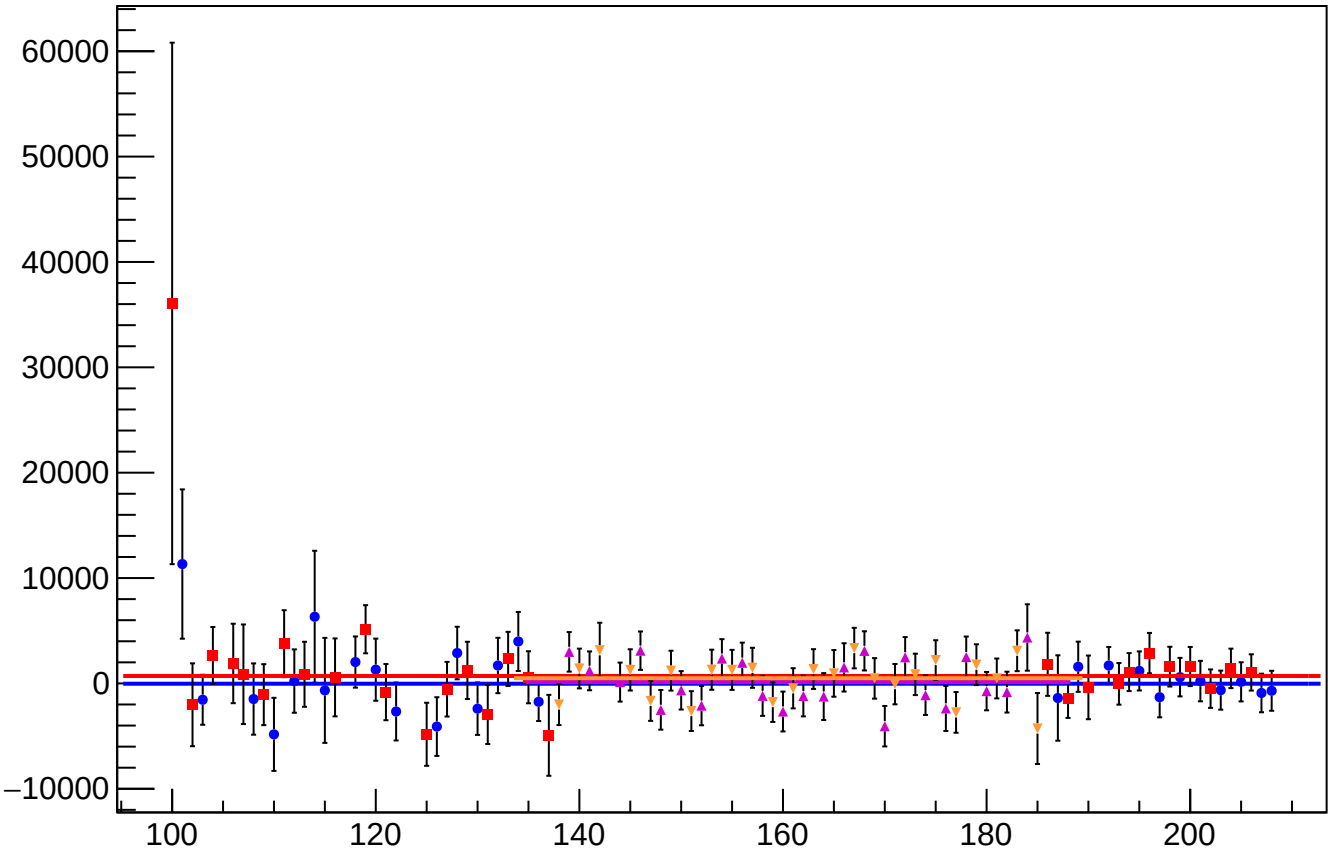
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1483.374+/-0.197 χ^2/NDF: 6034427.0/55

In: 1027.434+/-0.131 χ^2/NDF:6148550.0/49

Out: 1037.856+/-0.133 χ^2/NDF:7578815.4/52

All: 1032.551+/-0.093 χ^2/NDF: 13730482.8/1



Right In: -29.130+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 705.545+/-456.920 χ^2/NDF: 20.6/28

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

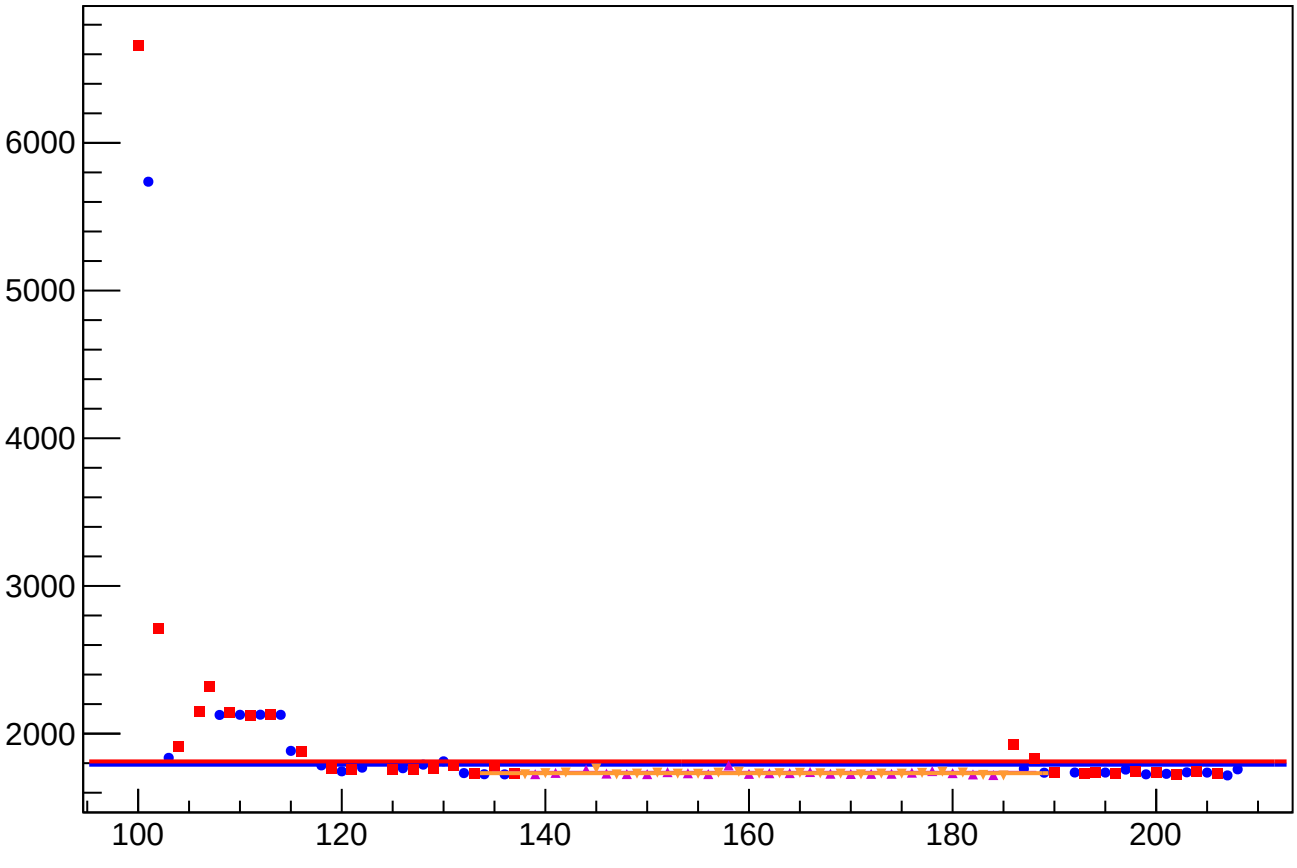
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 336.462+/-322.323 χ^2/NDF: 40.6/55

In: 63.608+/-302.443 χ^2/NDF:48.4/49

Out: 586.825+/-301.845 χ^2/NDF:40.7/52

All: 325.734+/-213.648 χ^2/NDF: 90.6/102



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.5/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1811.989+/-0.323 χ^2/NDF: 330692.0/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

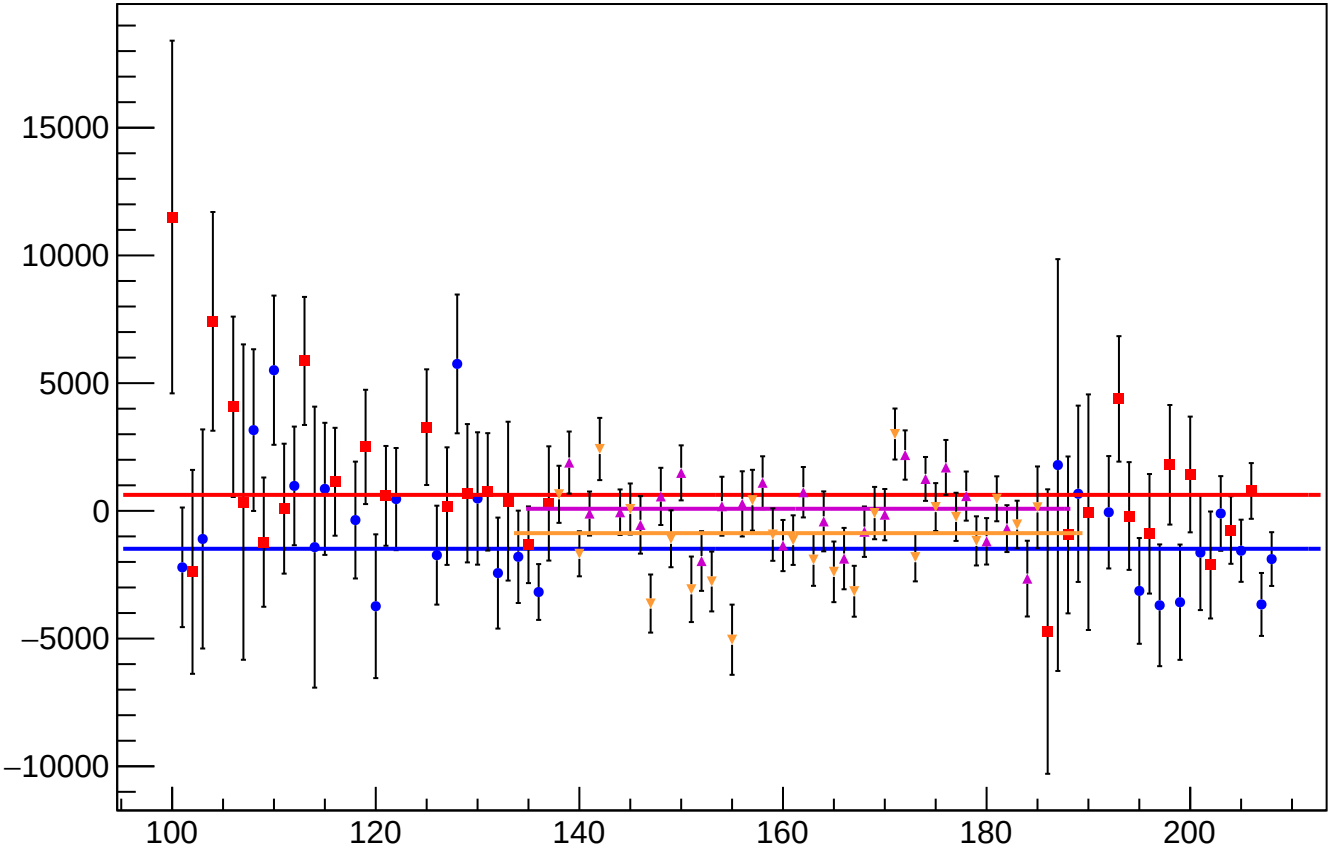
Right: 1800.813+/-0.228 χ^2/NDF: 1047529.4/55

In: 1758.972+/-0.214 χ^2/NDF:733089.6/49

Out: 1767.127+/-0.213 χ^2/NDF:365812.2/52

All: 1763.058+/-0.151 χ^2/NDF: 1099630.2/10

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1484.685+/-375.037 χ^2/NDF: 29.6/26

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 625.779+/-421.337 χ^2/NDF: 22.7/28

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

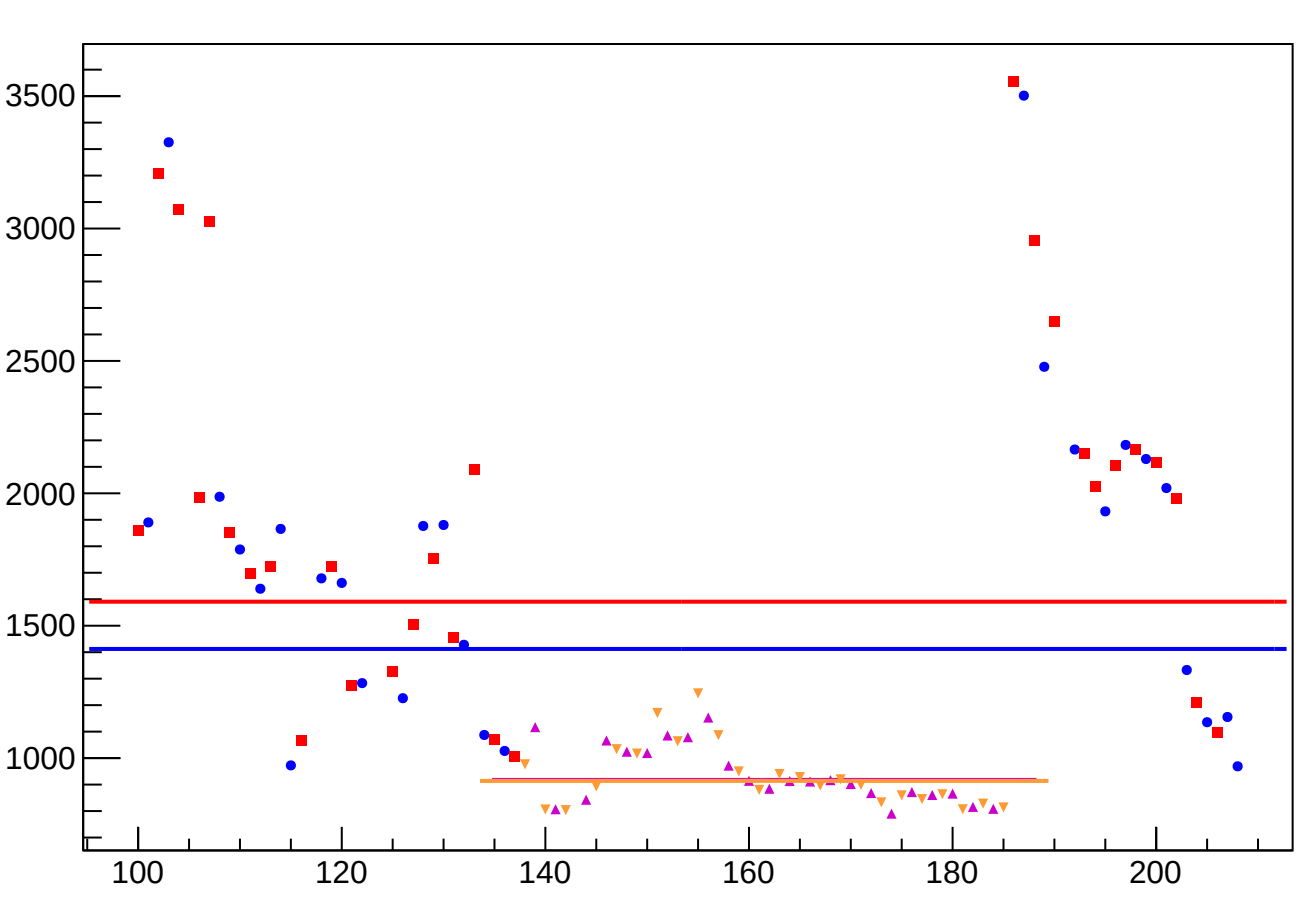
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -551.741+/-280.136 χ^2/NDF: 66.3/55

In: -308.366+/-187.119 χ^2/NDF:72.6/49

Out: -565.494+/-190.806 χ^2/NDF:94.7/52

All: -434.422+/-133.597 χ^2/NDF: 168.3/102



Right In: 1412.245+/-0.265 χ^2/NDF: 2971073.1/26

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1590.722+/-0.298 χ^2/NDF: 3298975.5/28

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

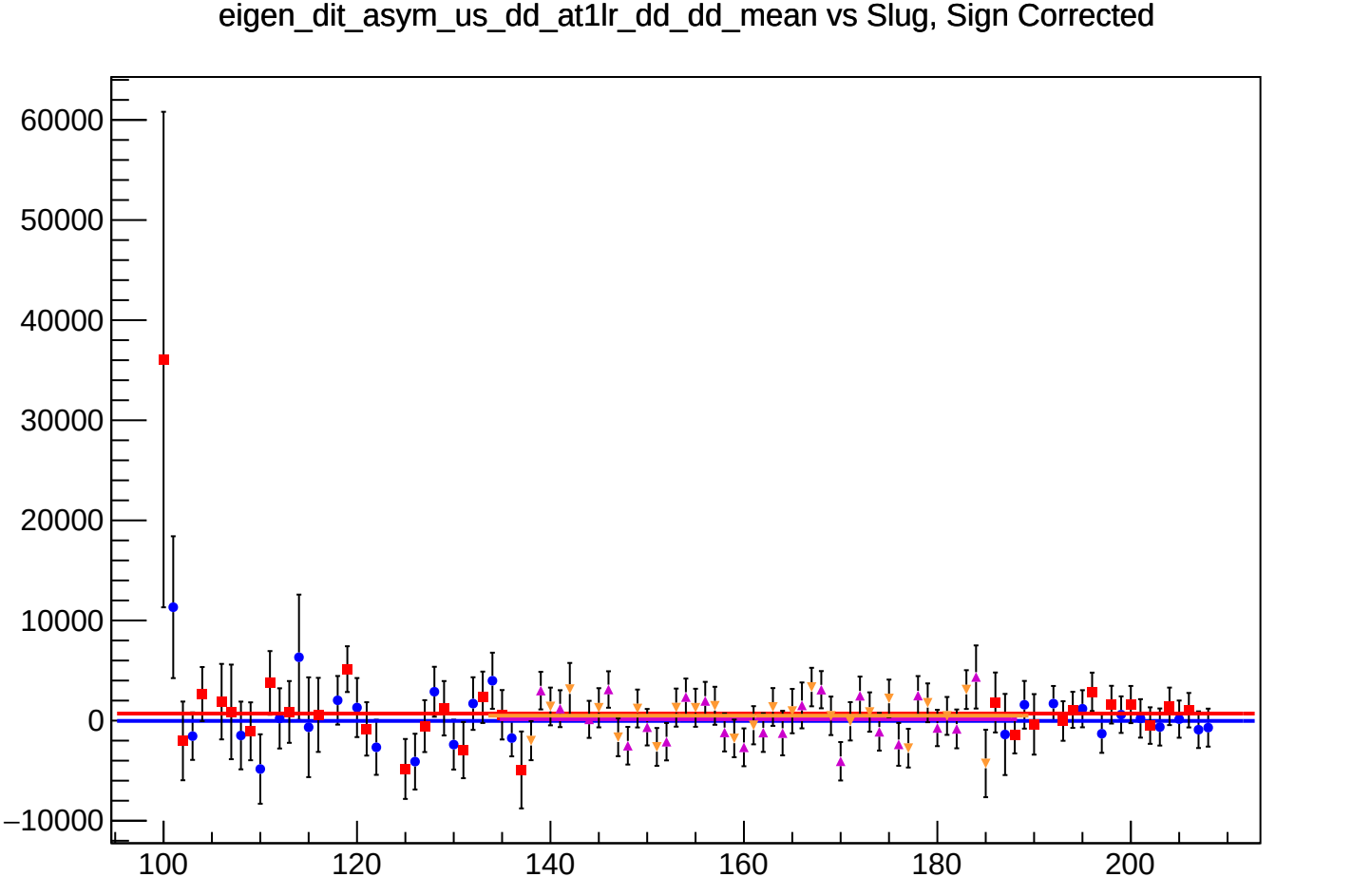
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

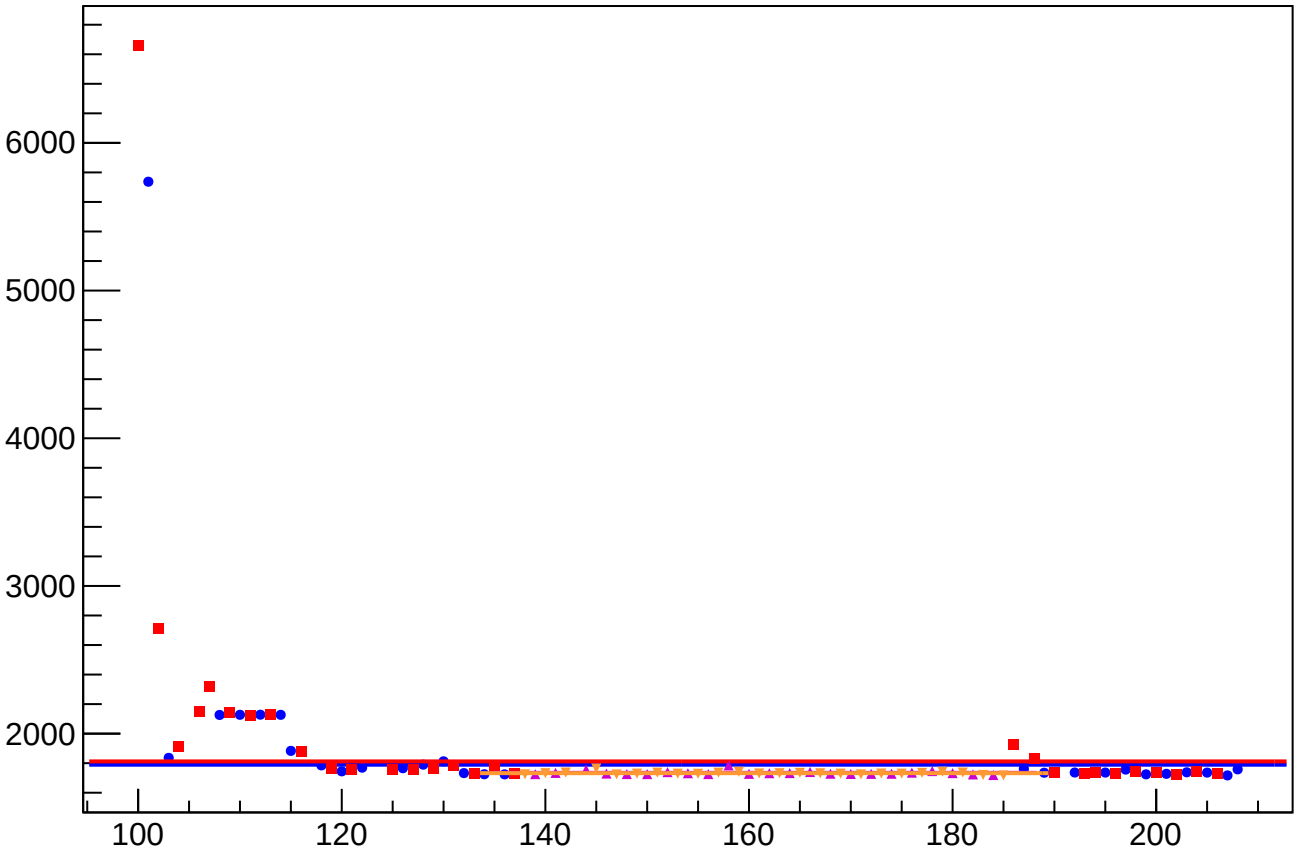
Right: 1491.142+/-0.198 χ^2/NDF: 6470277.1/55

In: 1040.791+/-0.132 χ^2/NDF:6013828.2/49

Out: 1052.701+/-0.135 χ^2/NDF:7864285.5/52

All: 1046.630+/-0.094 χ^2/NDF: 13882086.4/1


eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -29.129+/-454.754 χ²/NDF: 18.8/26
Left Out: 494.897+/-402.069 χ²/NDF:20.1/23
Right Out: 705.545+/-456.920 χ²/NDF: 20.6/28
Left In: 137.163+/-404.995 χ²/NDF:29.6/22
Left: 317.327+/-285.335 χ²/NDF: 50.0/46
Right: 336.463+/-322.323 χ²/NDF: 40.6/55
In: 63.609+/-302.443 χ²/NDF:48.4/49
Out: 586.825+/-301.845 χ²/NDF:40.7/52
All: 325.734+/-213.648 χ²/NDF: 90.6/102



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.4/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1811.989+/-0.323 χ^2/NDF: 330691.7/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

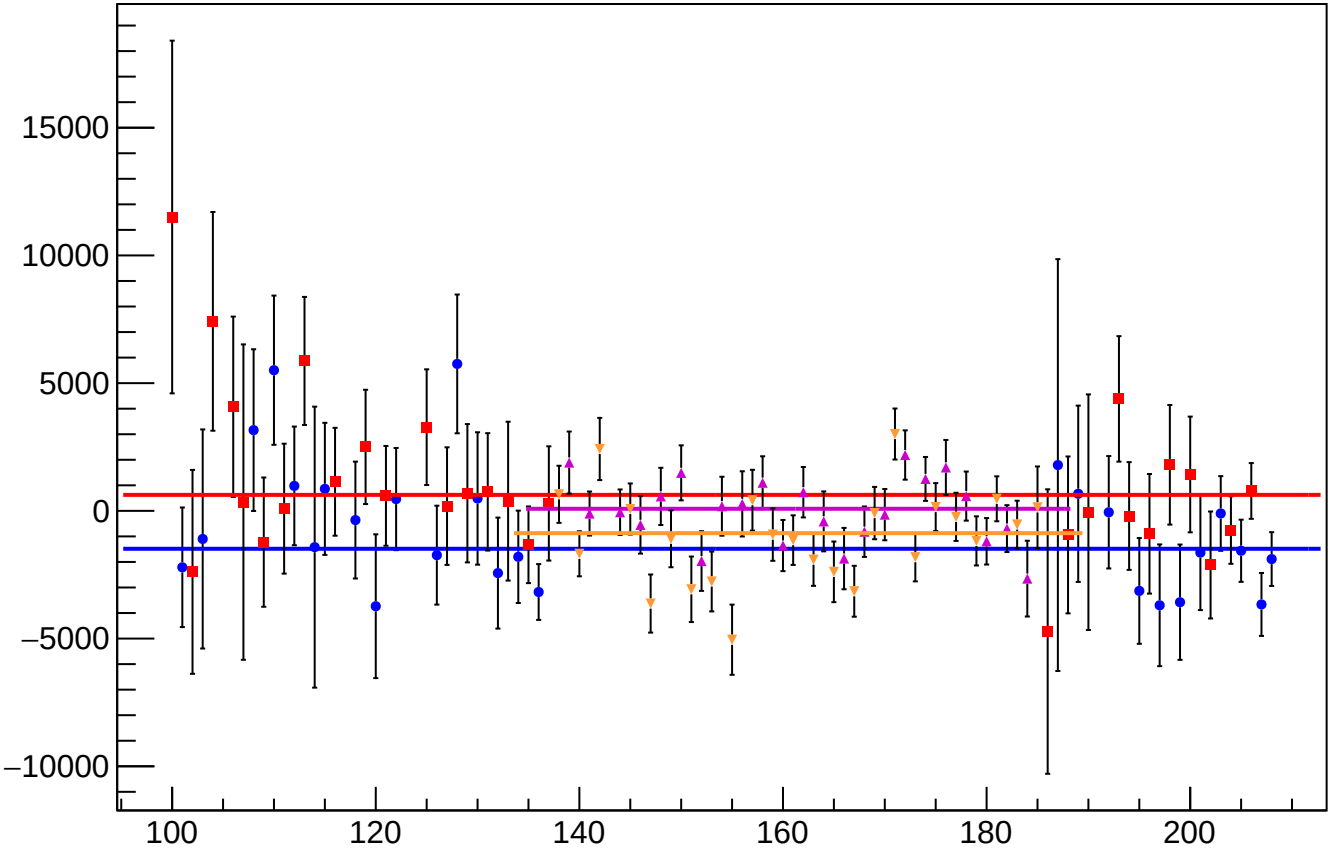
Right: 1800.813+/-0.228 χ^2/NDF: 1047529.0/55

In: 1758.972+/-0.214 χ^2/NDF:733089.5/49

Out: 1767.127+/-0.213 χ^2/NDF:365811.9/52

All: 1763.058+/-0.151 χ^2/NDF: 1099629.8/10

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1484.681+/-375.036 χ^2/NDF: 29.6/26

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 625.781+/-421.337 χ^2/NDF: 22.7/28

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

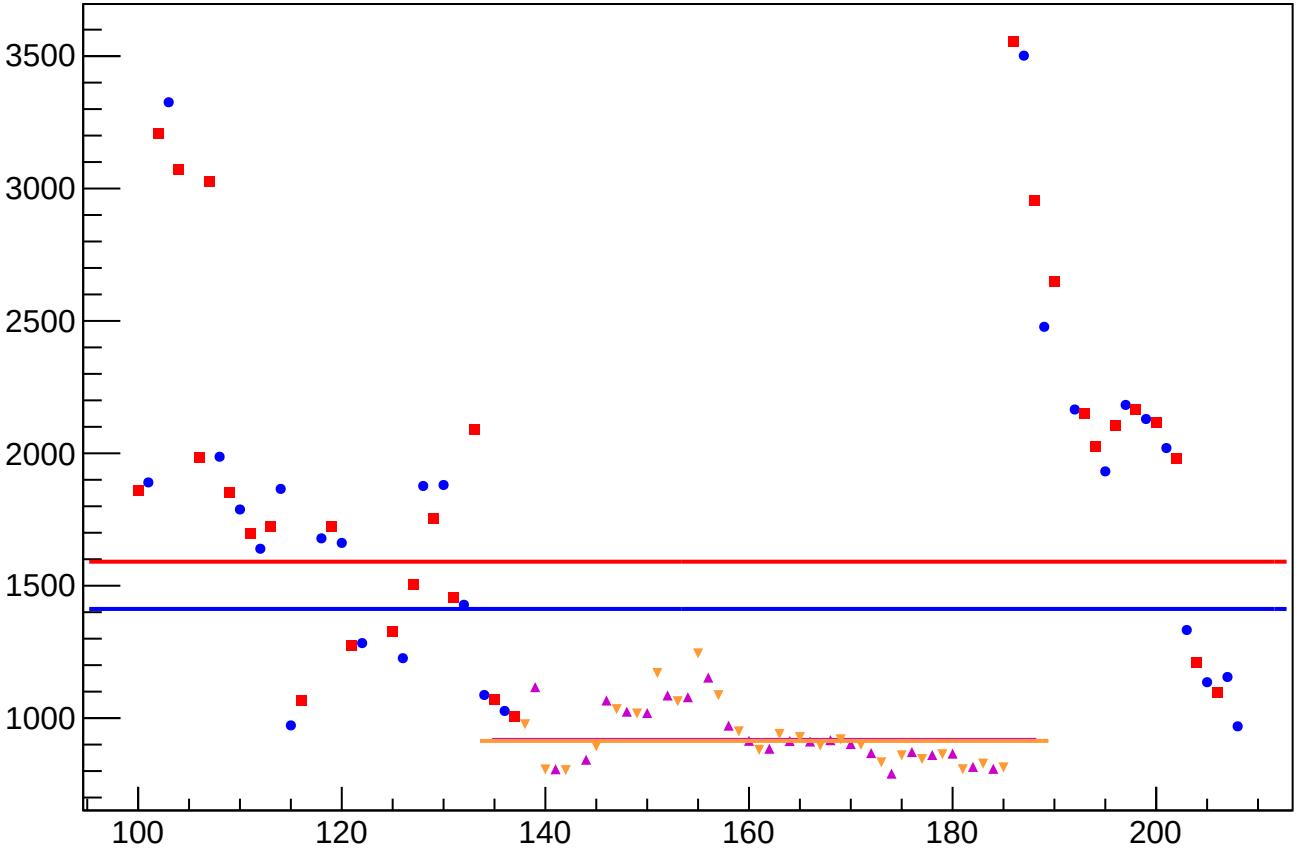
Right: -551.738+/-280.136 χ^2/NDF: 66.3/55

In: -308.366+/-187.119 χ^2/NDF:72.6/49

Out: -565.492+/-190.806 χ^2/NDF:94.7/52

All: -434.421+/-133.597 χ^2/NDF: 168.3/102

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1412.243+/-0.265 χ^2/NDF: 2971075.9/26

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1590.720+/-0.298 χ^2/NDF: 3298983.1/28

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

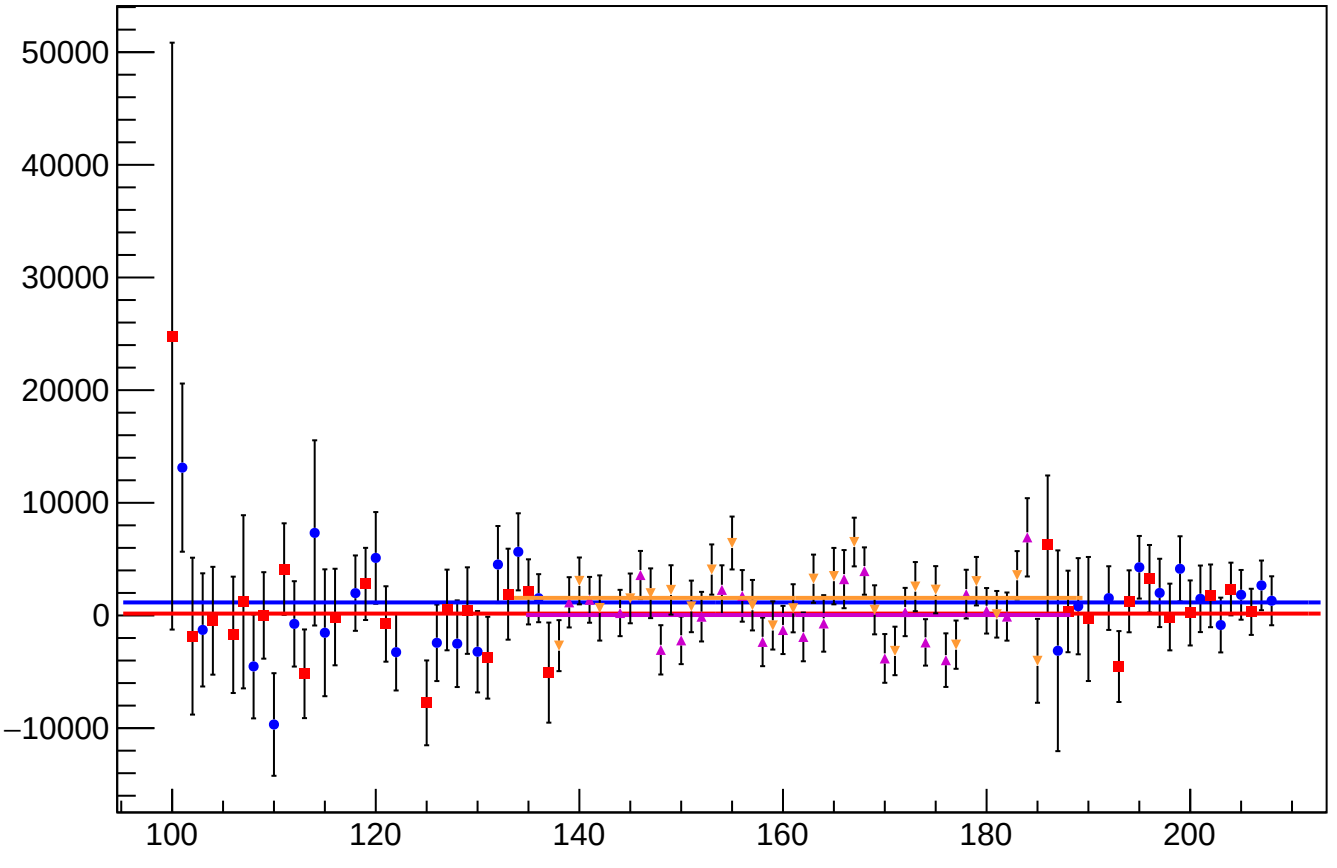
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1491.140+/-0.198 χ^2/NDF: 6470287.4/55

In: 1040.790+/-0.132 χ^2/NDF:6013833.6/49

Out: 1052.701+/-0.135 χ^2/NDF:7864290.0/52

All: 1046.629+/-0.094 χ^2/NDF: 13882096.3/1



Right In: 1158.151+/-622.069 χ^2/NDF: 23.9/26

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 167.108+/-653.286 χ^2/NDF: 18.0/28

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

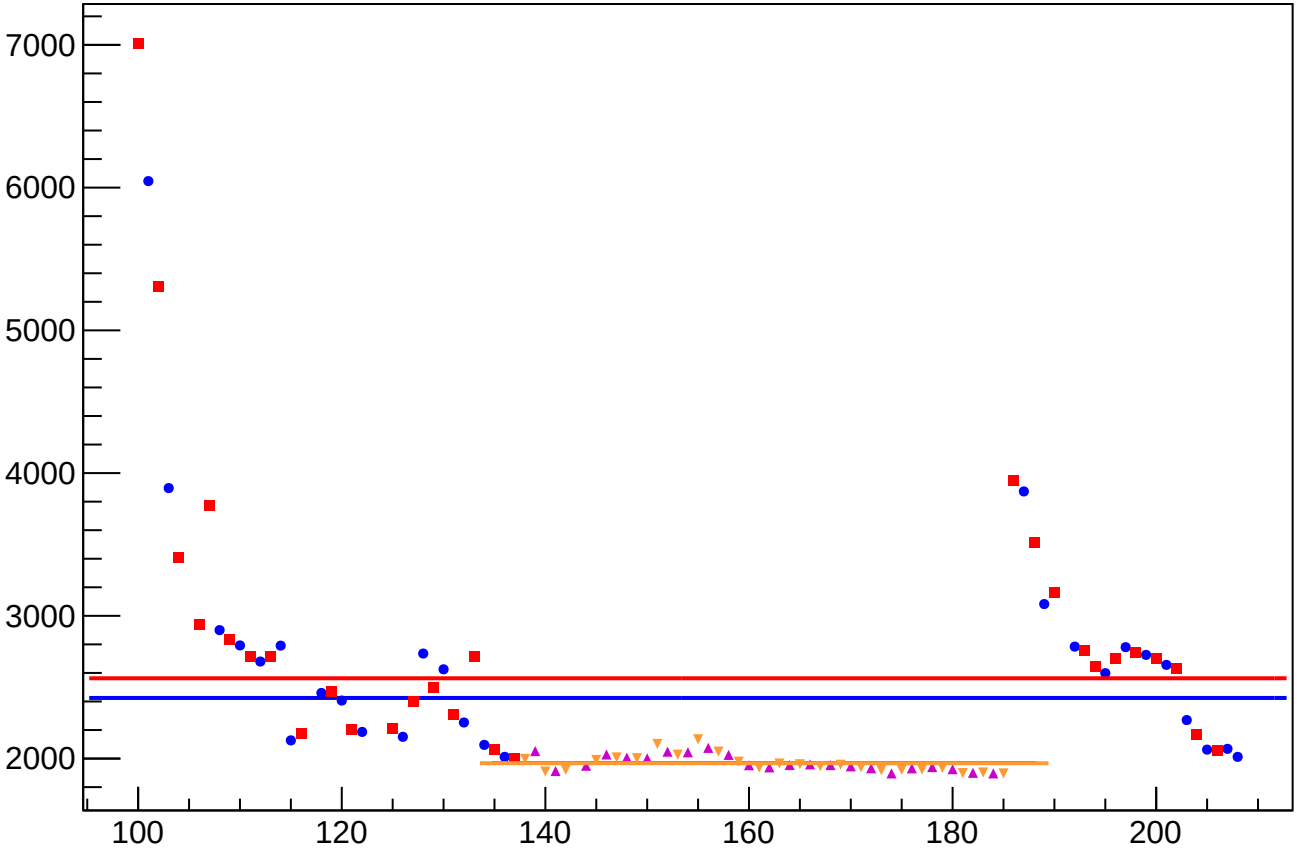
Right: 686.873+/-450.501 χ^2/NDF: 43.0/55

In: 435.133+/-369.829 χ^2/NDF:53.7/49

Out: 1103.408+/-374.405 χ^2/NDF:52.3/52

All: 765.161+/-263.112 χ^2/NDF: 107.6/102

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2424.676+/-0.440 χ^2/NDF: 1223862.3/26

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2562.543+/-0.462 χ^2/NDF: 1141686.6/28

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

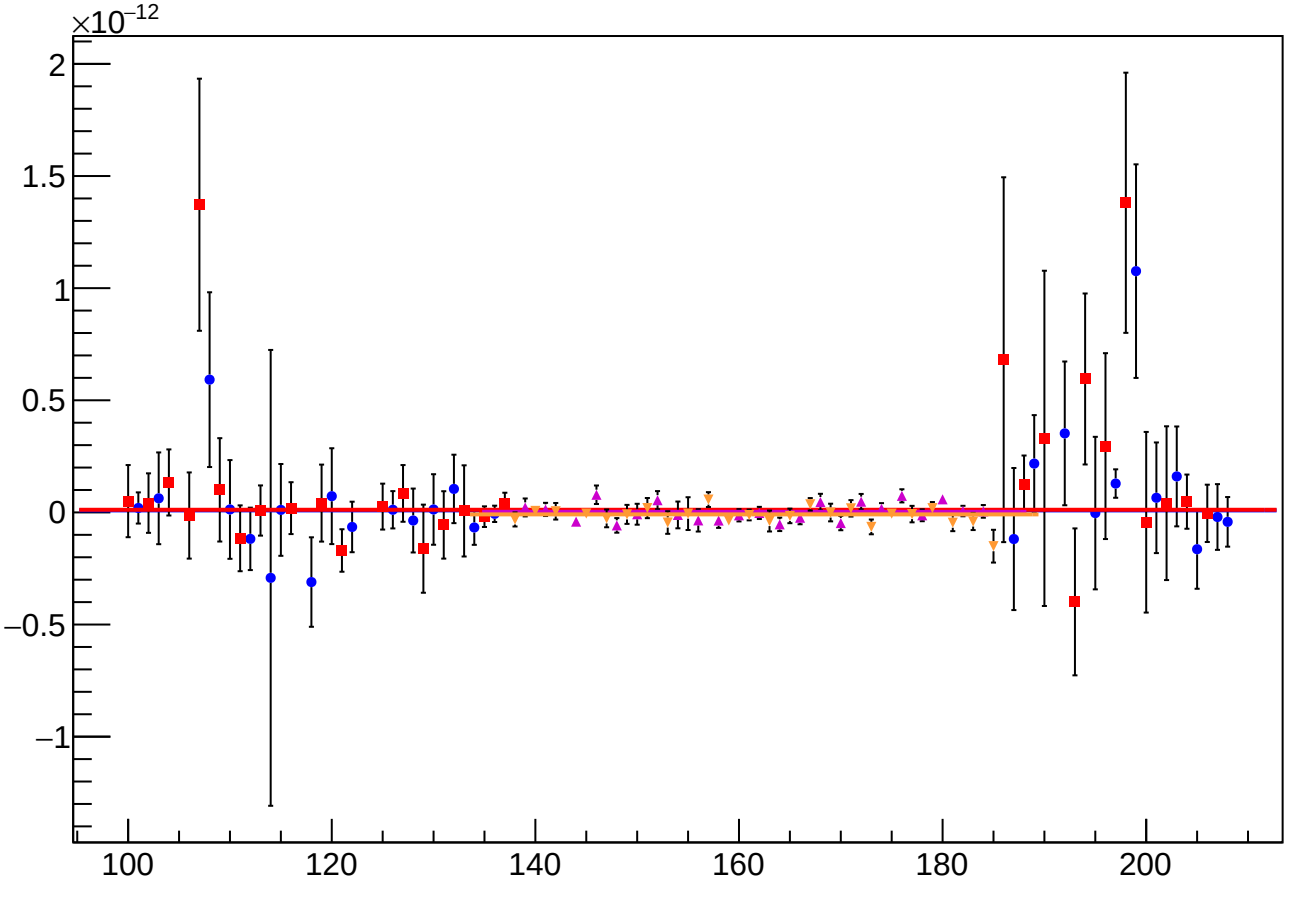
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2490.237+/-0.319 χ^2/NDF: 2412264.6/55

In: 2130.072+/-0.262 χ^2/NDF:1944172.8/49

Out: 2162.889+/-0.265 χ^2/NDF:2290504.0/52

All: 2146.279+/-0.186 χ^2/NDF: 4242454.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

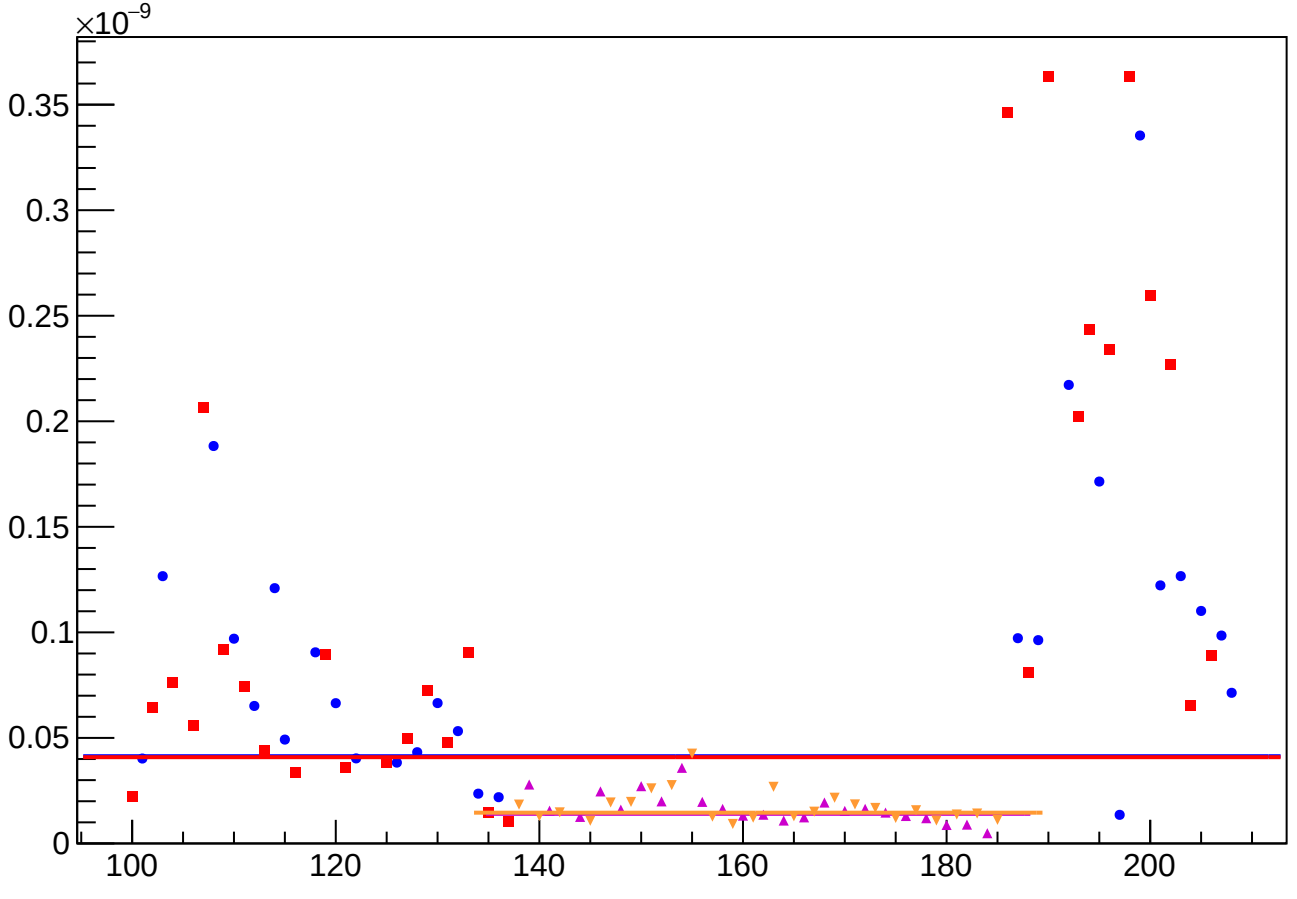
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 45.6/55

In: 0.000+/-0.000 χ^2/NDF:59.5/49

Out: -0.000+/-0.000 χ^2/NDF:46.6/52

All: -0.000+/-0.000 χ^2/NDF: 107.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 5222325.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6864987.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

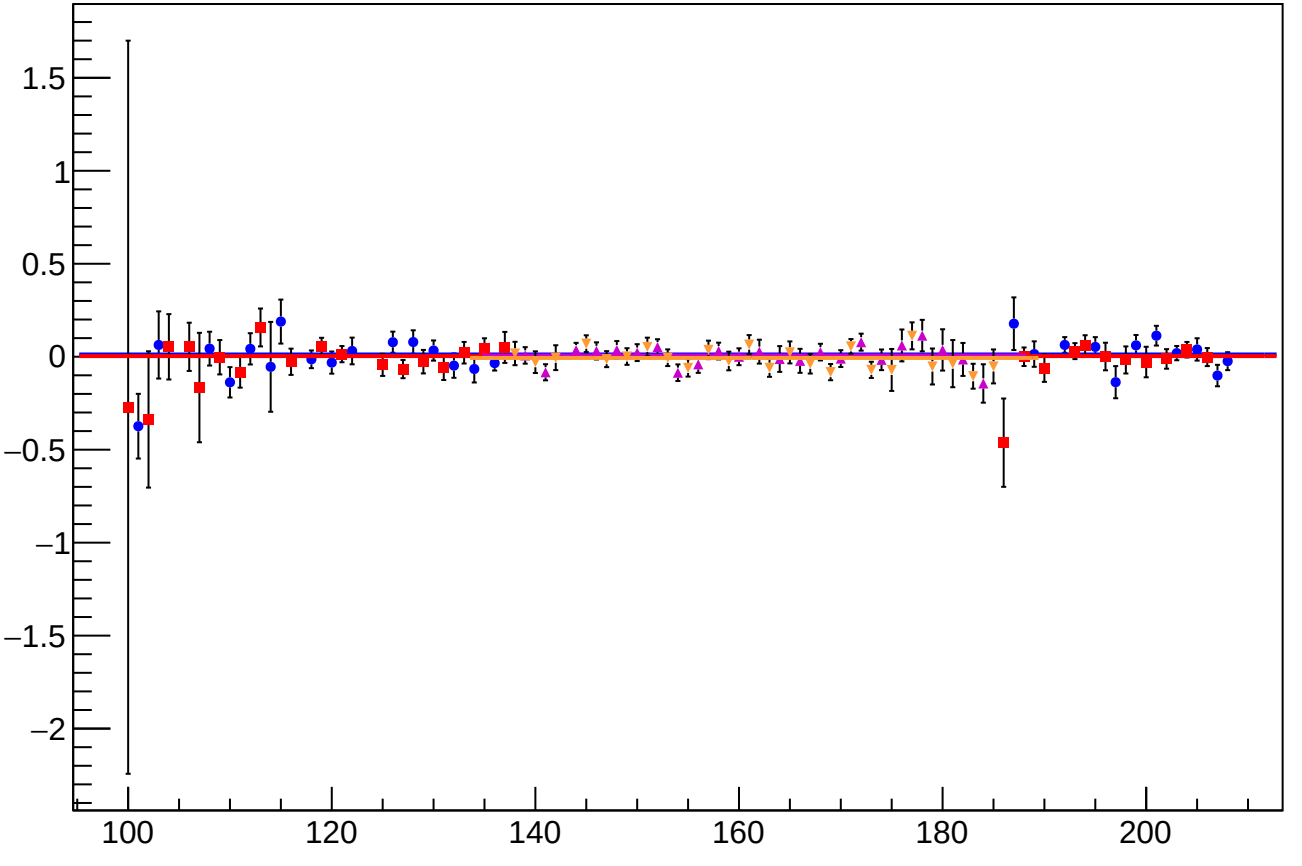
Right: 0.000+/-0.000 χ^2/NDF: 12087755.1/55

In: 0.000+/-0.000 χ^2/NDF:9620952.6/49

Out: 0.000+/-0.000 χ^2/NDF:10496033.8/52

All: 0.000+/-0.000 χ^2/NDF: 20119901.3/102

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

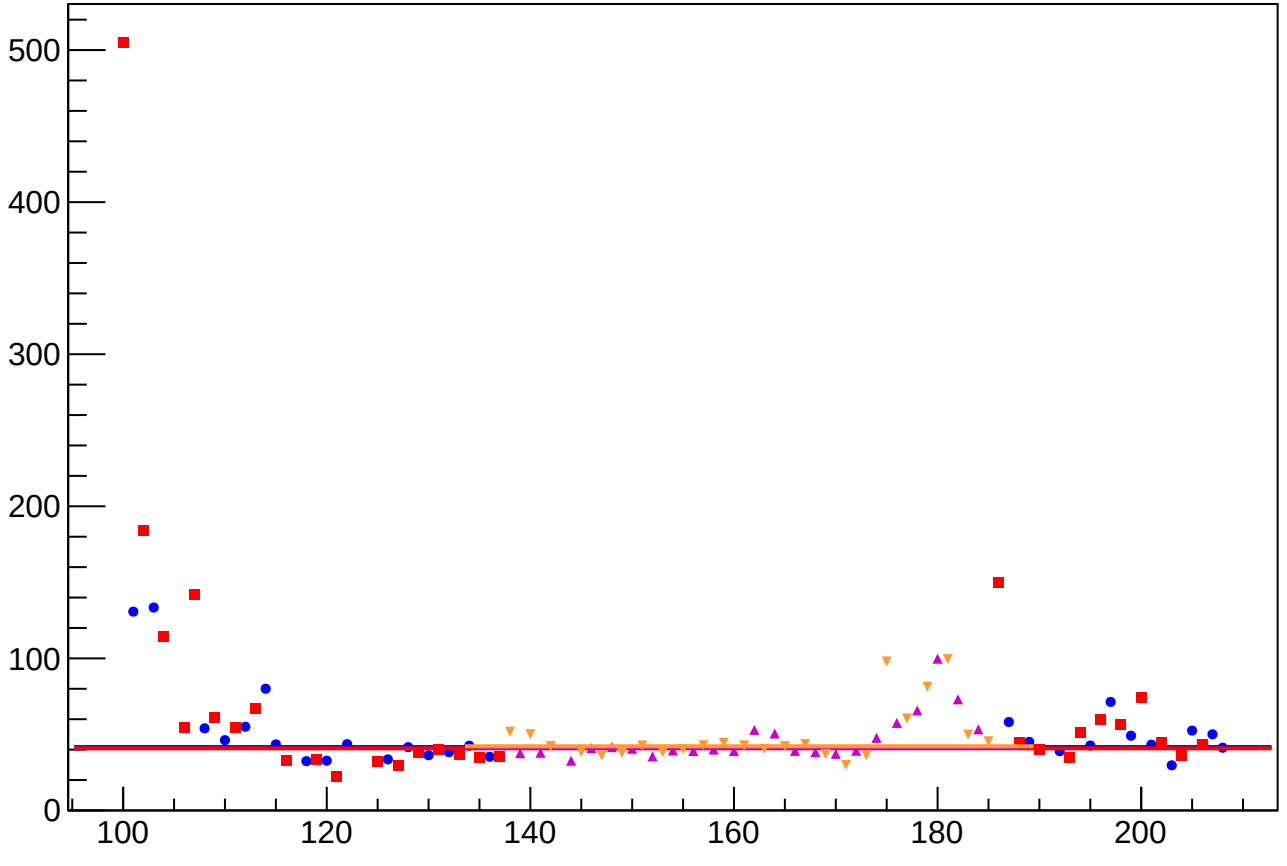
Right: 0.008+/-0.008 χ^2/NDF: 51.4/55

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.003+/-0.006 χ^2/NDF: 96.6/102

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

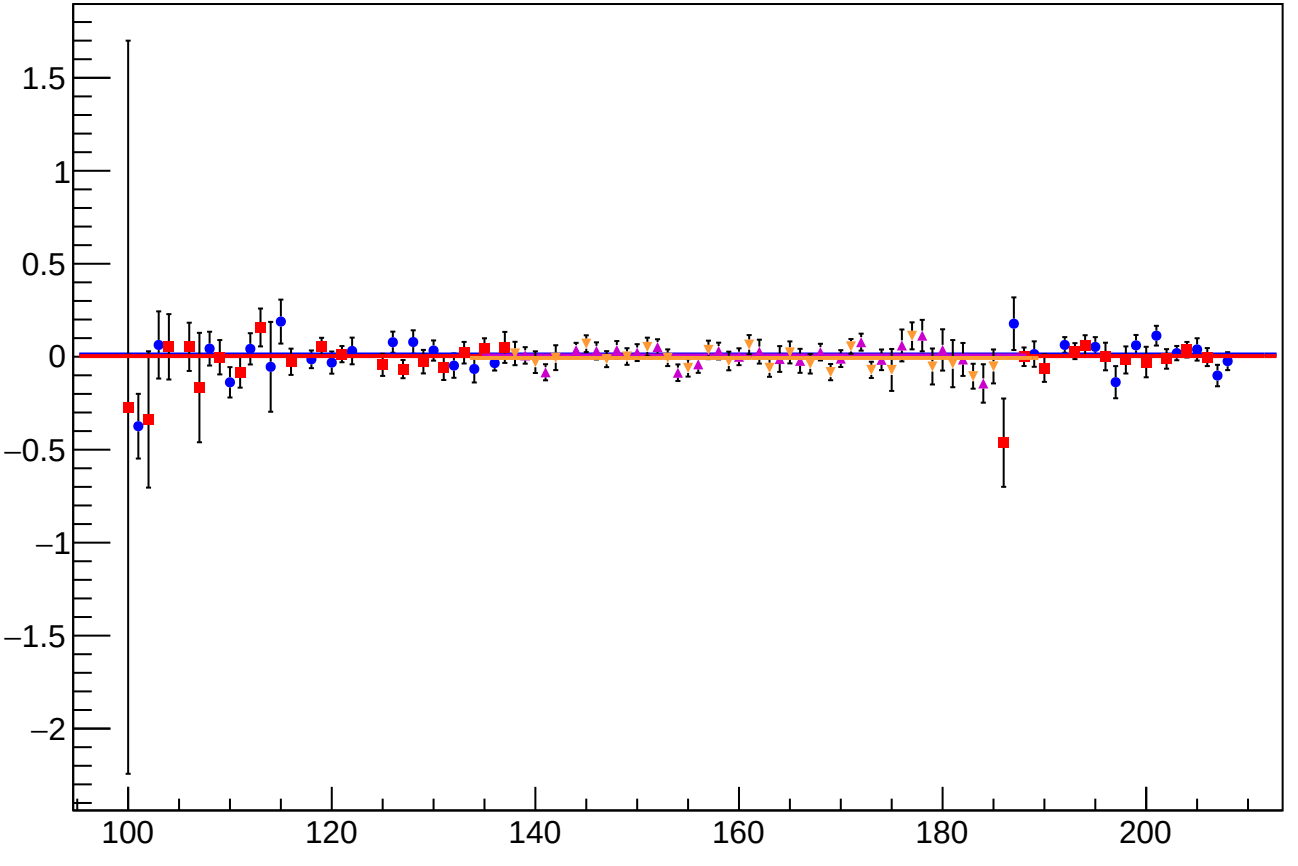
Right: 41.265+/-0.006 χ^2/NDF: 5126080.4/55

In: 41.536+/-0.006 χ^2/NDF:3451066.0/49

Out: 41.590+/-0.006 χ^2/NDF:4916343.0/52

All: 41.563+/-0.004 χ^2/NDF: 8367454.8/102

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

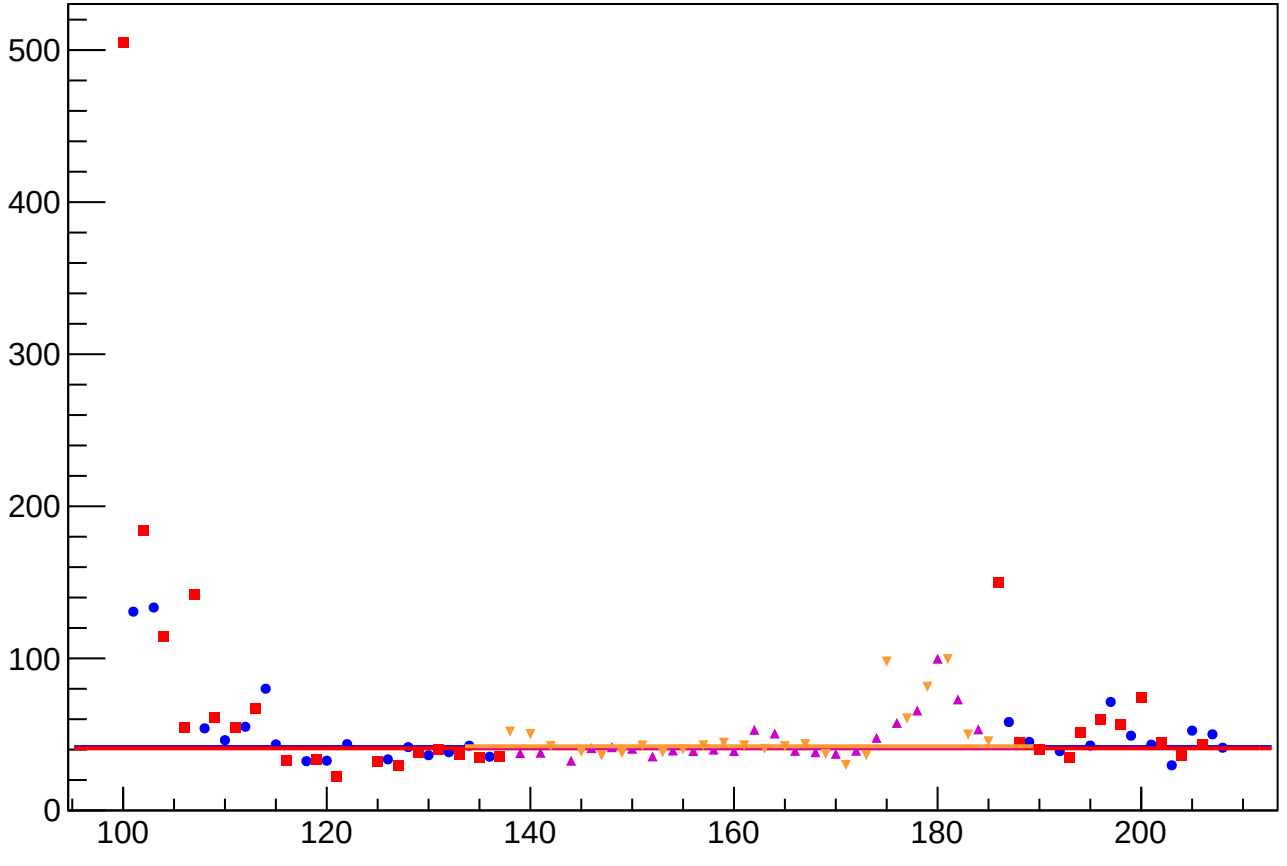
Right: 0.008+/-0.008 χ^2/NDF: 51.4/55

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.003+/-0.006 χ^2/NDF: 96.6/102

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

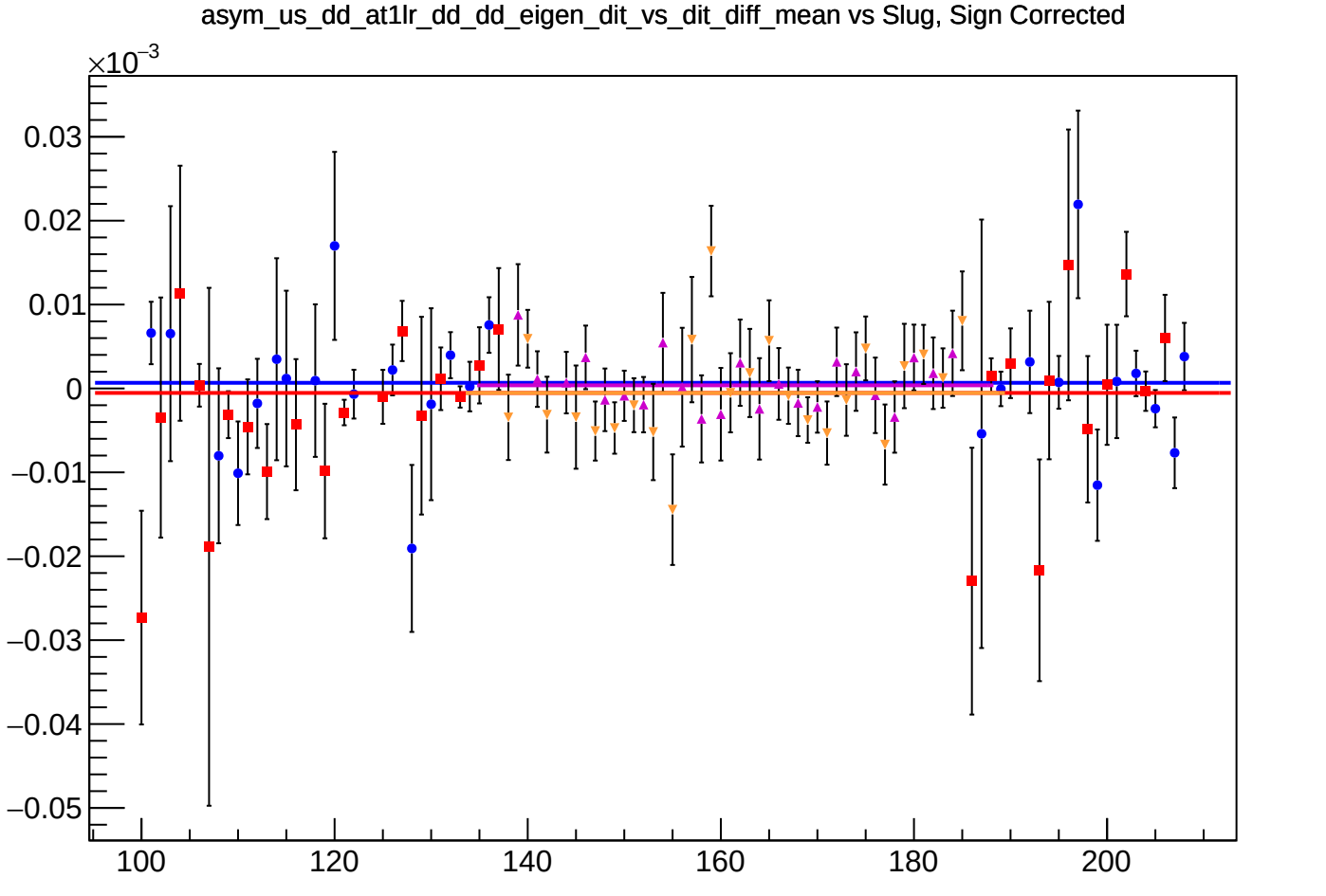
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.265+/-0.006 χ^2/NDF: 5126080.4/55

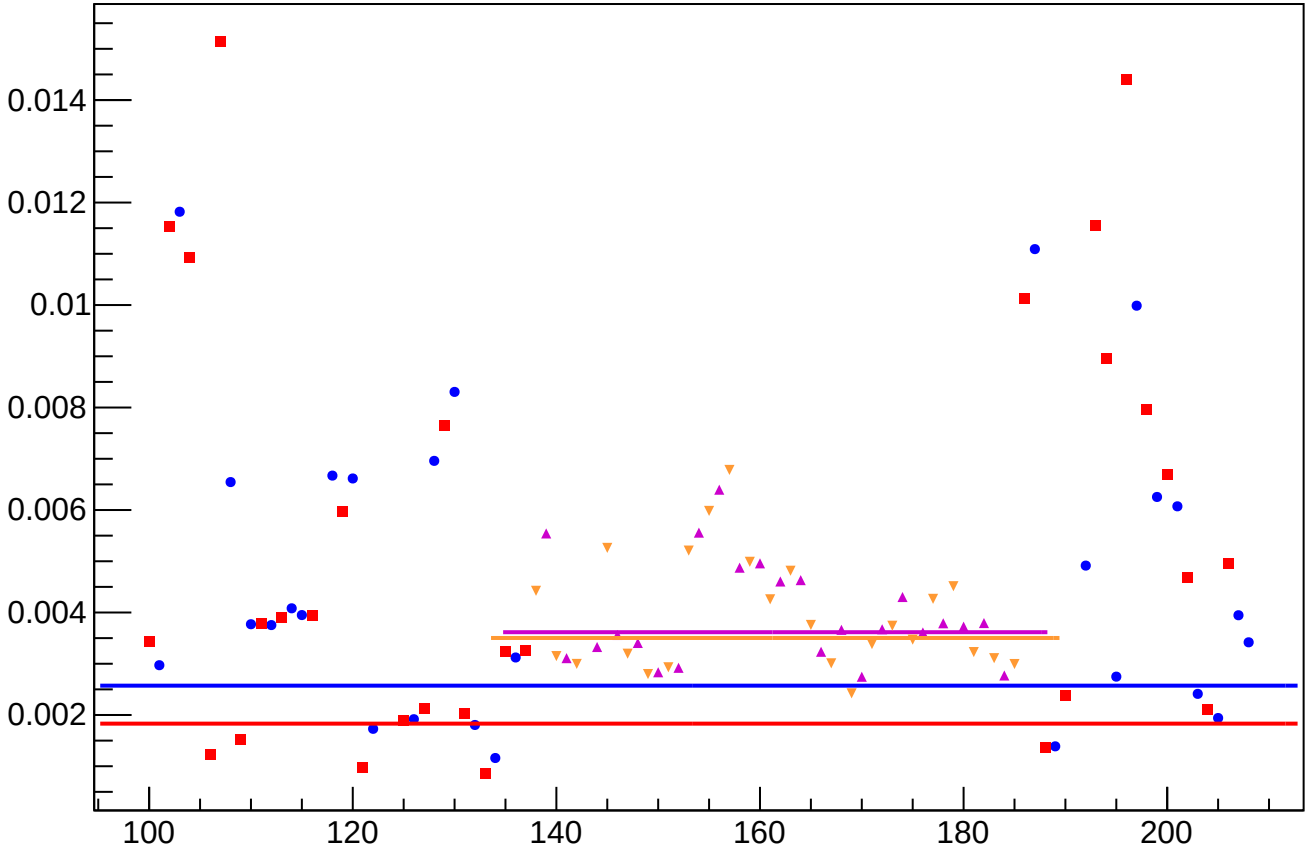
In: 41.536+/-0.006 χ^2/NDF:3451066.0/49

Out: 41.590+/-0.006 χ^2/NDF:4916343.0/52

All: 41.563+/-0.004 χ^2/NDF: 8367454.8/102


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 33.1/26
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 36.9/28
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: -0.000+/-0.000 χ²/NDF: 71.3/55
In: 0.000+/-0.000 χ²/NDF:42.8/49
Out: -0.000+/-0.000 χ²/NDF:73.7/52
All: -0.000+/-0.000 χ²/NDF: 118.4/102

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7473219.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 13427344.3/28

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

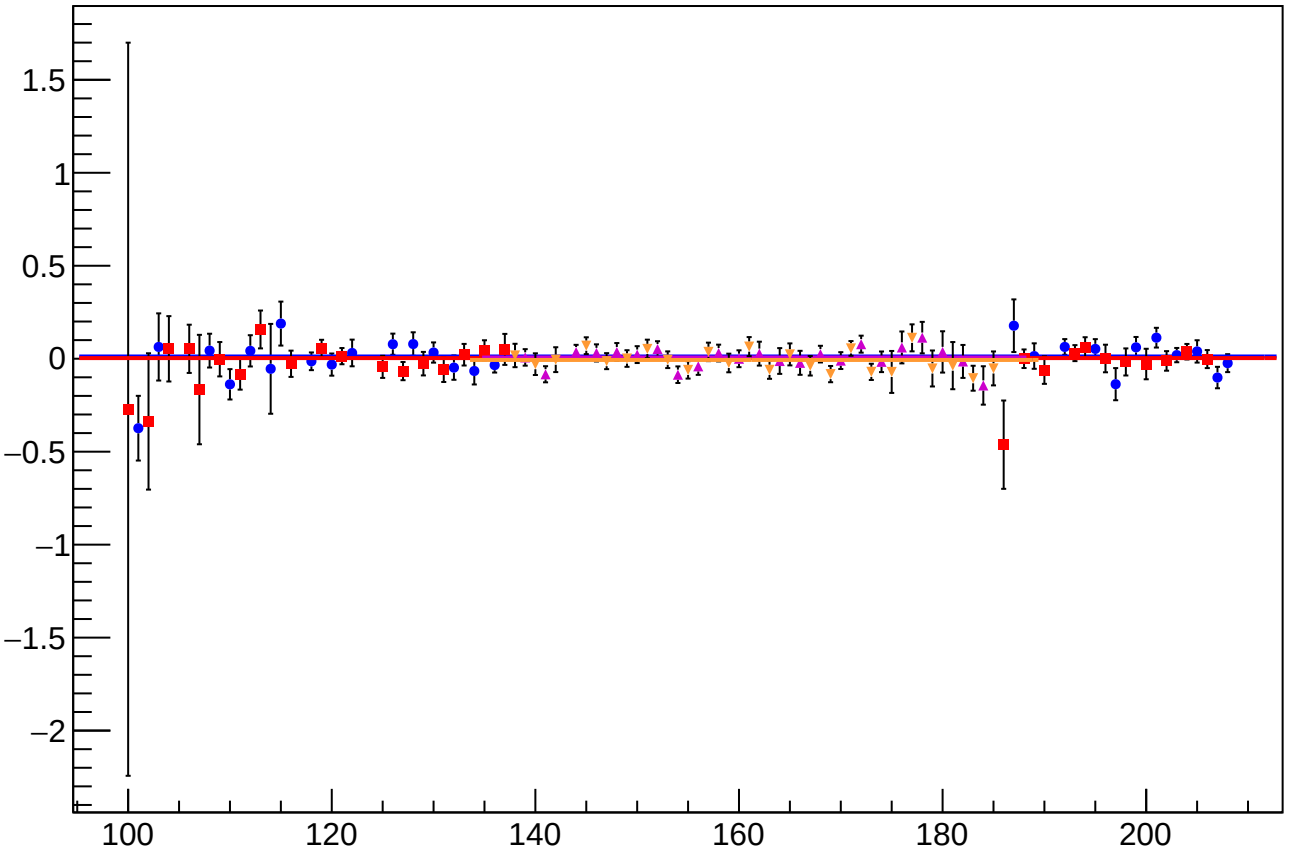
Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

Right: 0.002+/-0.000 χ^2/NDF: 21967156.7/55

In: 0.003+/-0.000 χ^2/NDF:10732139.2/49

Out: 0.002+/-0.000 χ^2/NDF:20547540.8/52

All: 0.003+/-0.000 χ^2/NDF: 32408028.2/102



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

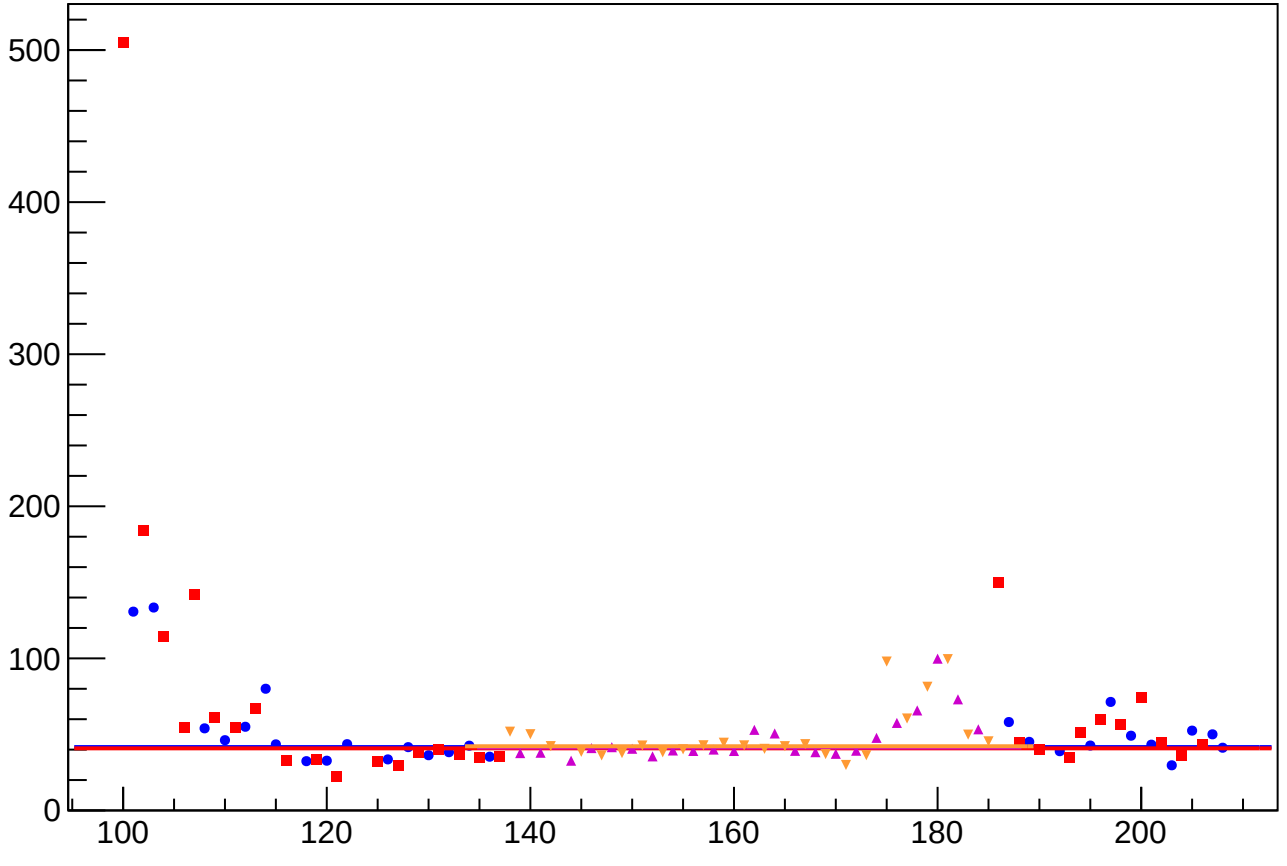
Right: 0.008+/-0.008 χ^2/NDF: 51.4/55

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.003+/-0.006 χ^2/NDF: 96.6/102

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

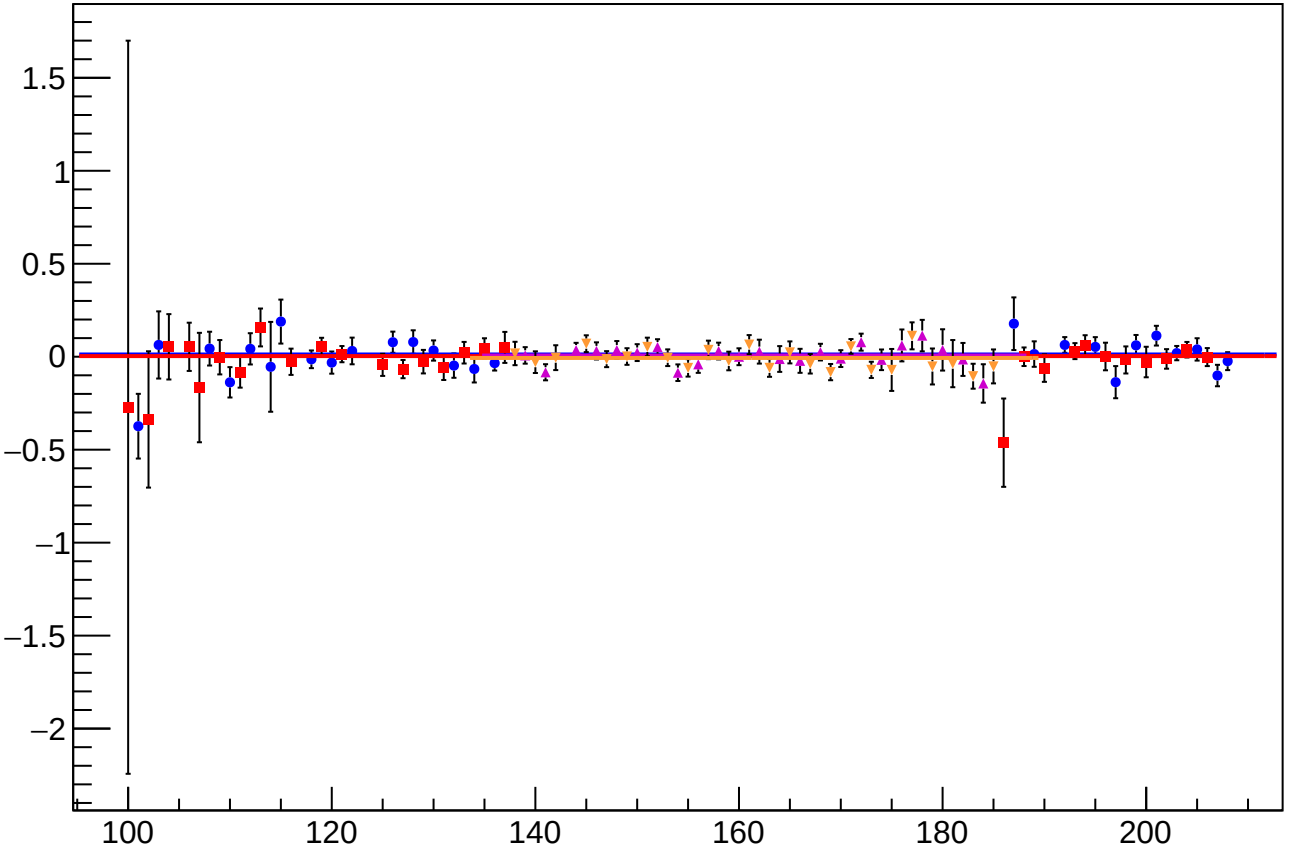
Right: 41.264+/-0.006 χ^2/NDF: 5126191.1/55

In: 41.536+/-0.006 χ^2/NDF:3450904.1/49

Out: 41.590+/-0.006 χ^2/NDF:4916555.3/52

All: 41.562+/-0.004 χ^2/NDF: 8367504.1/102

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

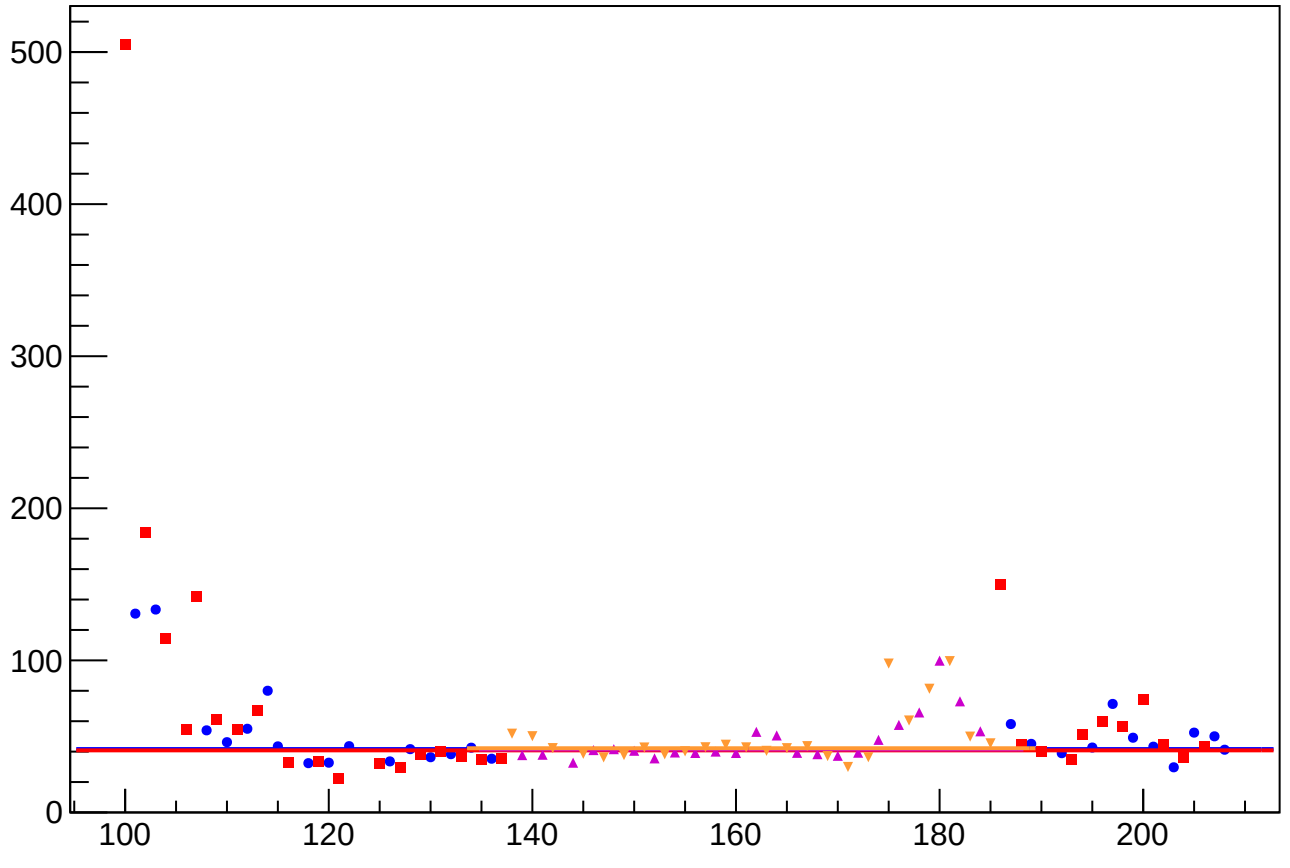
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.008+/-0.008 χ^2/NDF: 51.4/55

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.003+/-0.006 χ^2/NDF: 96.6/102



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

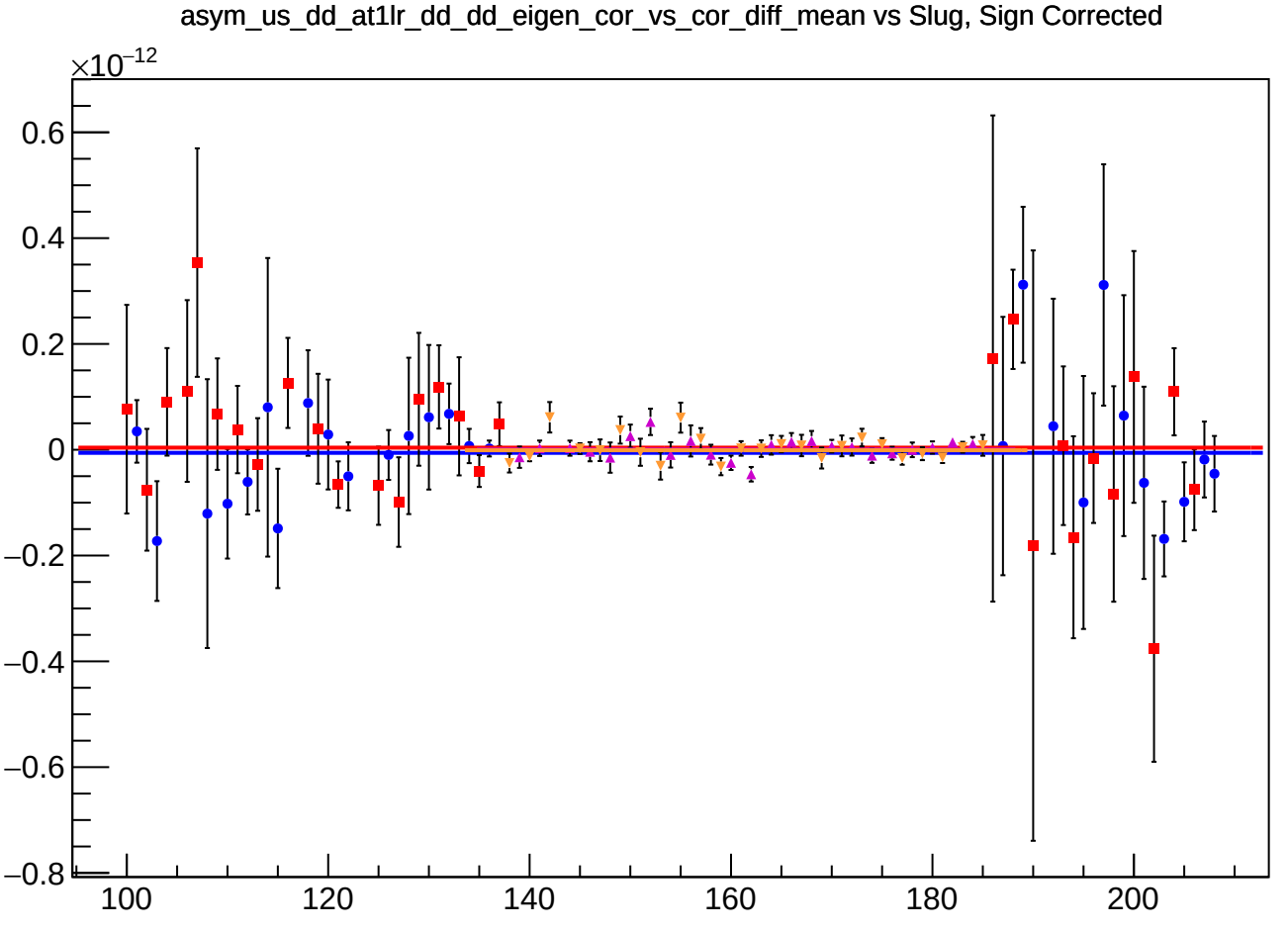
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 41.264+/-0.006 χ^2/NDF: 5126191.1/55

In: 41.536+/-0.006 χ^2/NDF:3450904.1/49

Out: 41.590+/-0.006 χ^2/NDF:4916555.3/52

All: 41.562+/-0.004 χ^2/NDF: 8367504.1/102



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

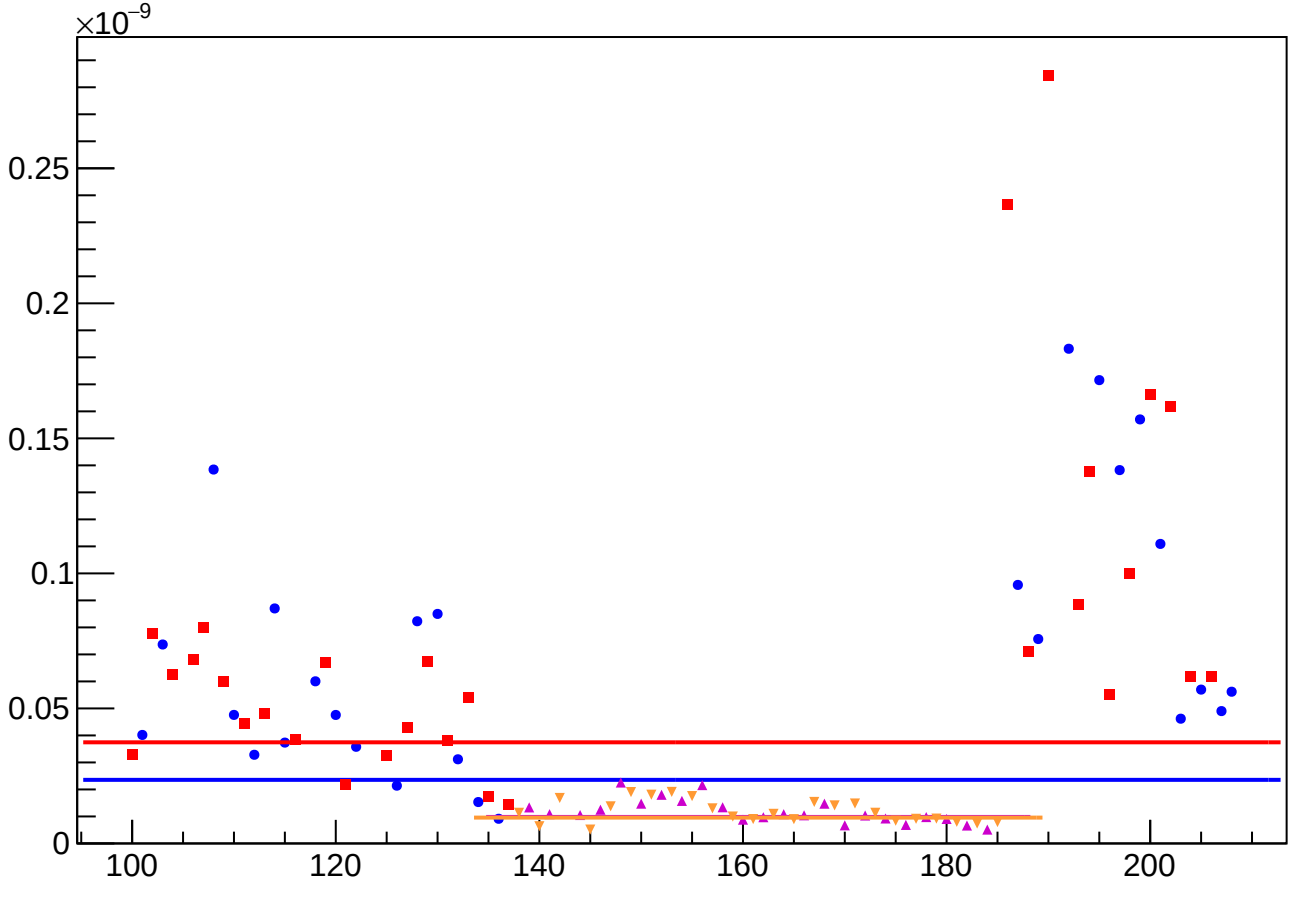
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: -0.000+/-0.000 χ^2/NDF: 57.1/55

In: -0.000+/-0.000 χ^2/NDF:52.9/49

Out: -0.000+/-0.000 χ^2/NDF:62.1/52

All: -0.000+/-0.000 χ^2/NDF: 115.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 9412501.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6433315.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

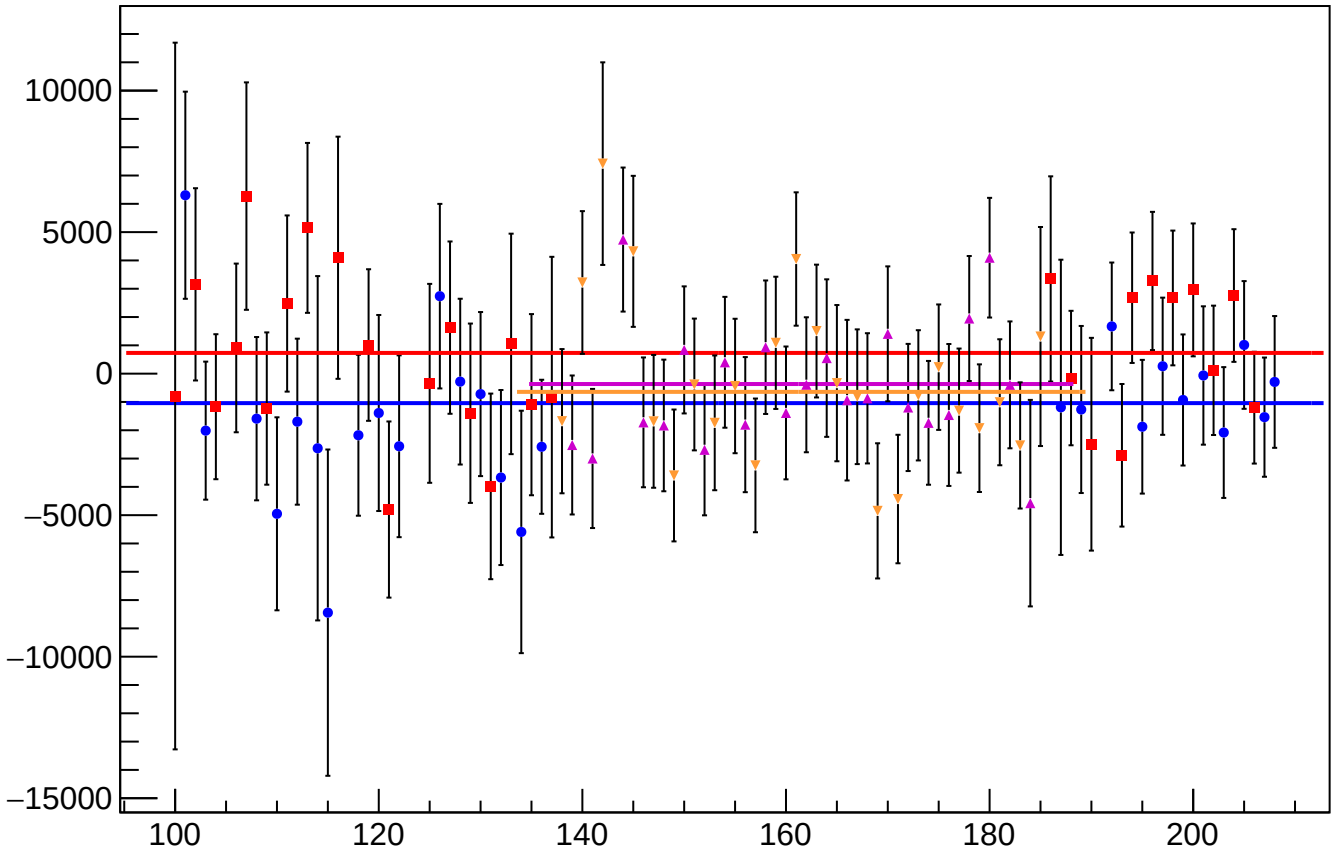
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 16950935.8/55

In: 0.000+/-0.000 χ^2/NDF:14589733.4/49

Out: 0.000+/-0.000 χ^2/NDF:15346288.6/52

All: 0.000+/-0.000 χ^2/NDF: 29941688.7/102



Right In: -1041.217+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 732.295+/-535.960 χ^2/NDF: 21.5/28

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

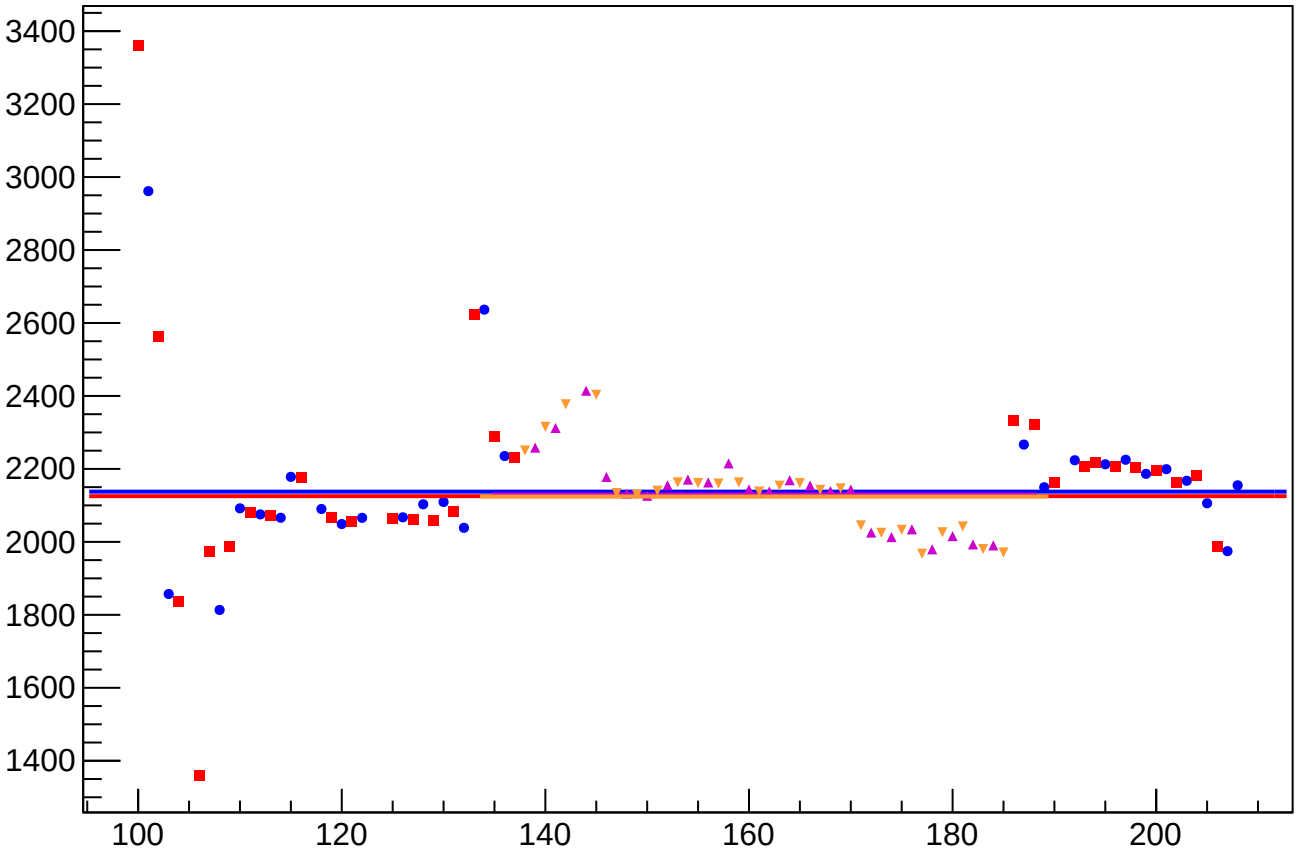
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -149.014+/-380.143 χ^2/NDF: 41.6/55

In: -677.130+/-365.817 χ^2/NDF:32.8/49

Out: -12.168+/-363.114 χ^2/NDF:52.2/52

All: -342.183+/-257.711 χ^2/NDF: 86.6/102



Right In: 2137.676+/-0.381 χ^2/NDF: 215374.2/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2125.214+/-0.379 χ^2/NDF: 306184.3/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

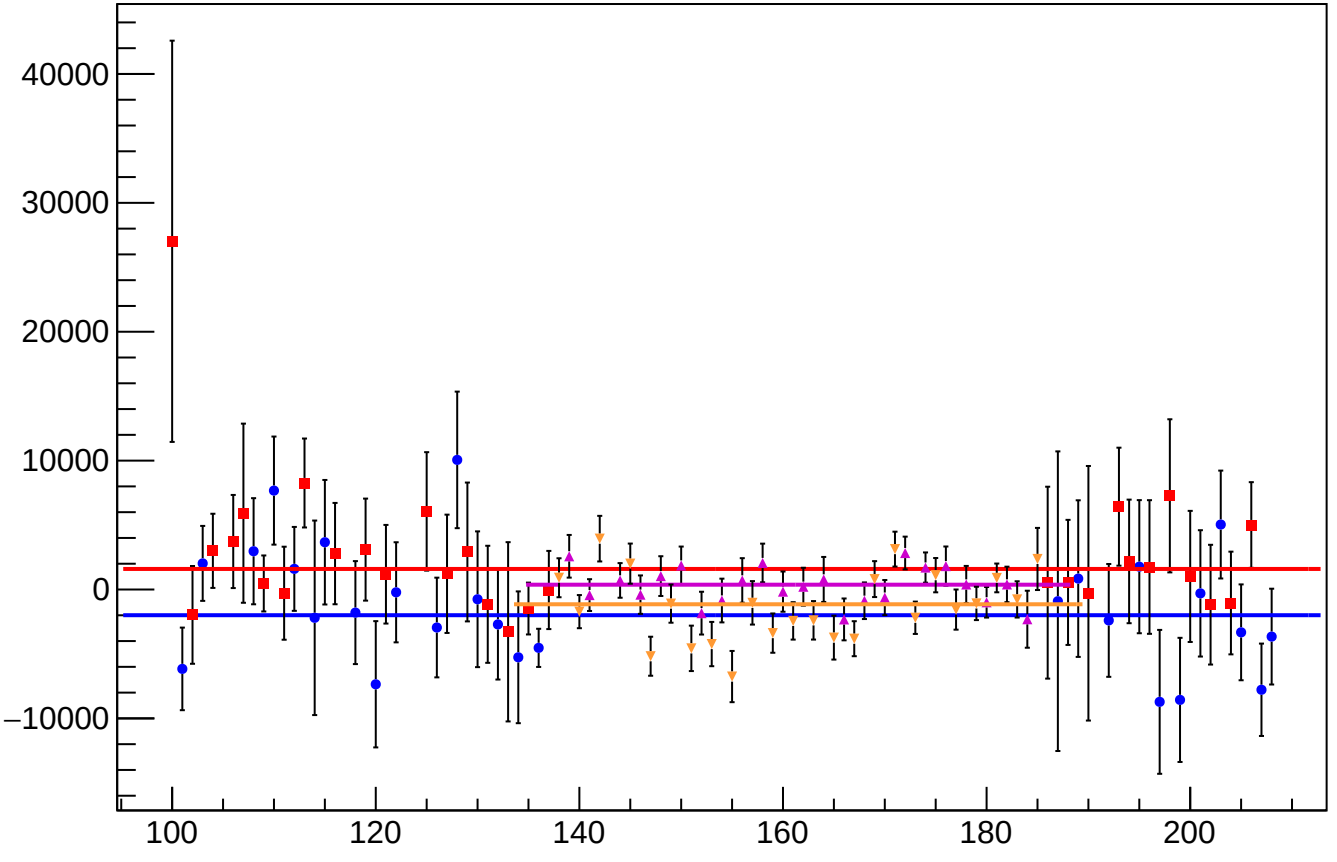
Right: 2131.407+/-0.269 χ^2/NDF: 522095.7/55

In: 2133.476+/-0.259 χ^2/NDF:300953.3/49

Out: 2124.794+/-0.257 χ^2/NDF:395370.6/52

All: 2129.103+/-0.182 χ^2/NDF: 696891.4/102

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1993.862+/-732.214 χ^2/NDF: 33.0/26

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1595.356+/-728.970 χ^2/NDF: 17.5/28

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

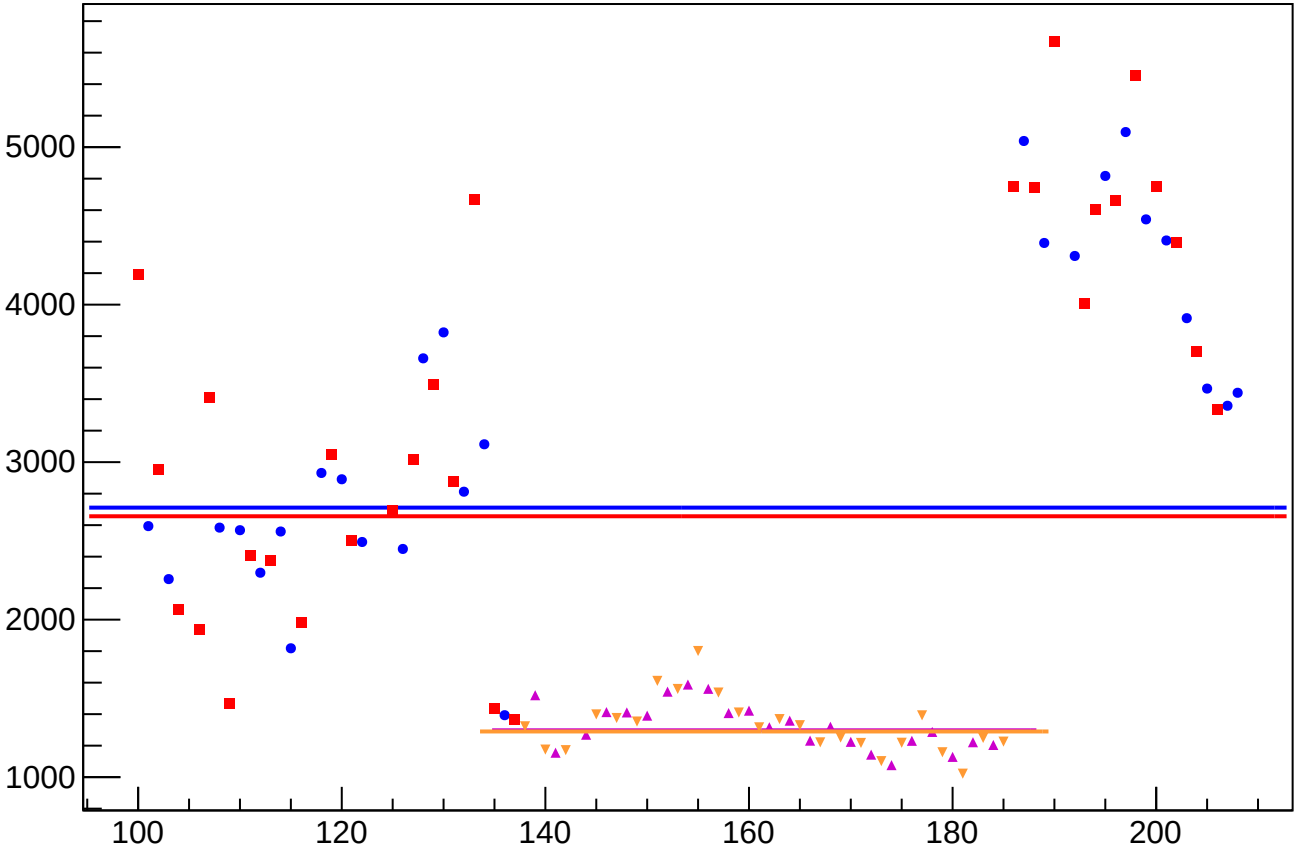
Right: -191.285+/-516.602 χ^2/NDF: 62.6/55

In: 22.565+/-281.848 χ^2/NDF:62.2/49

Out: -742.304+/-279.389 χ^2/NDF:97.1/52

All: -363.220+/-198.422 χ^2/NDF: 163.0/102

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2711.264+/-0.518 χ^2/NDF: 4047990.1/26

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2656.375+/-0.515 χ^2/NDF: 5051811.2/28

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

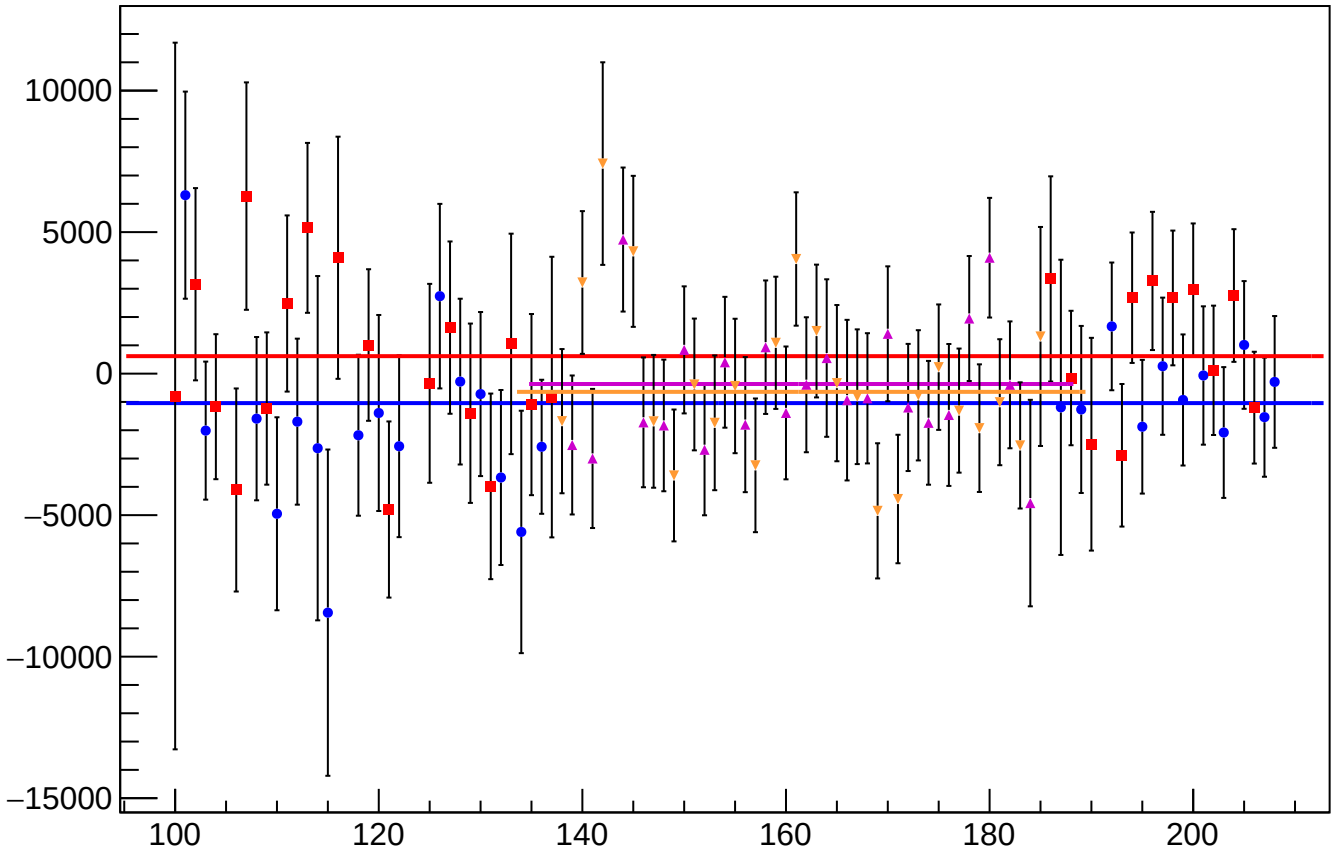
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2683.697+/-0.365 χ^2/NDF: 9105445.8/55

In: 1506.935+/-0.199 χ^2/NDF:10833693.2/49

Out: 1490.736+/-0.198 χ^2/NDF:11614021.0/52

All: 1498.765+/-0.140 χ^2/NDF: 22451046.6/1



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 617.490+/-538.667 χ^2/NDF: 23.3/28

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

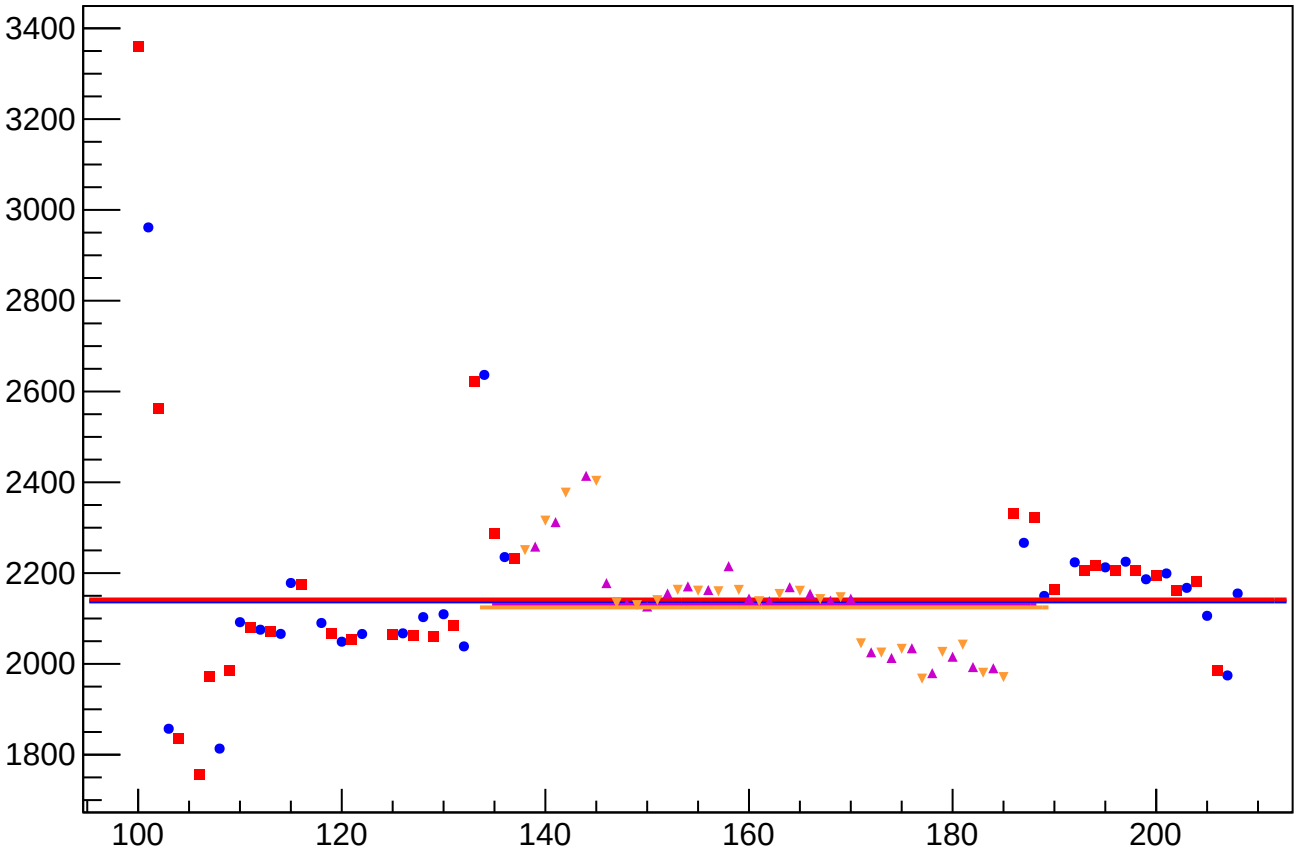
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -210.975+/-381.106 χ^2/NDF: 42.7/55

In: -677.096+/-365.817 χ^2/NDF:32.8/49

Out: -67.944+/-363.952 χ^2/NDF:53.4/52

All: -370.964+/-258.010 χ^2/NDF: 87.6/102



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

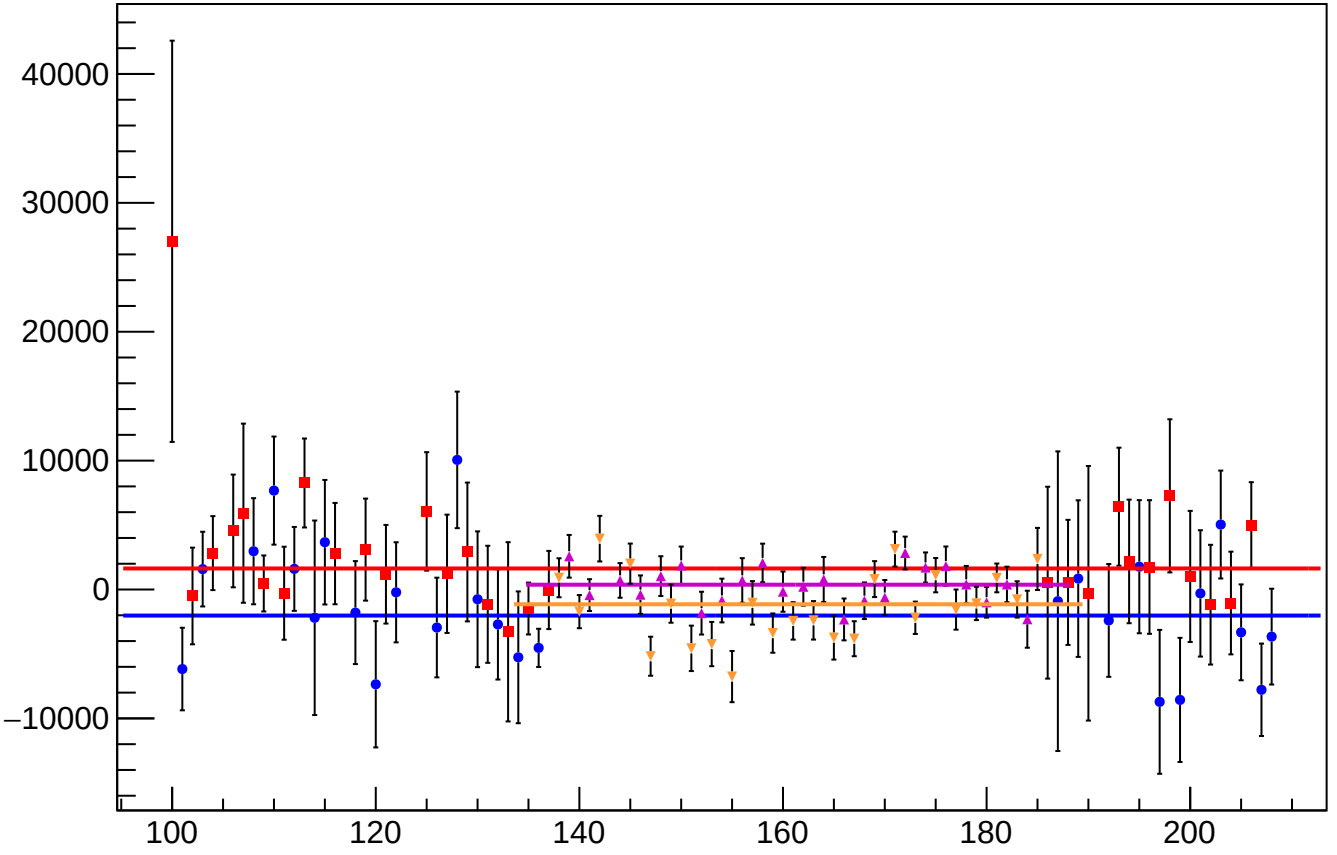
Right: 2139.773+/-0.269 χ^2/NDF: 409307.9/55

In: 2133.476+/-0.259 χ^2/NDF:300953.6/49

Out: 2132.394+/-0.257 χ^2/NDF:284194.9/52

All: 2132.932+/-0.182 χ^2/NDF: 585157.3/102

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

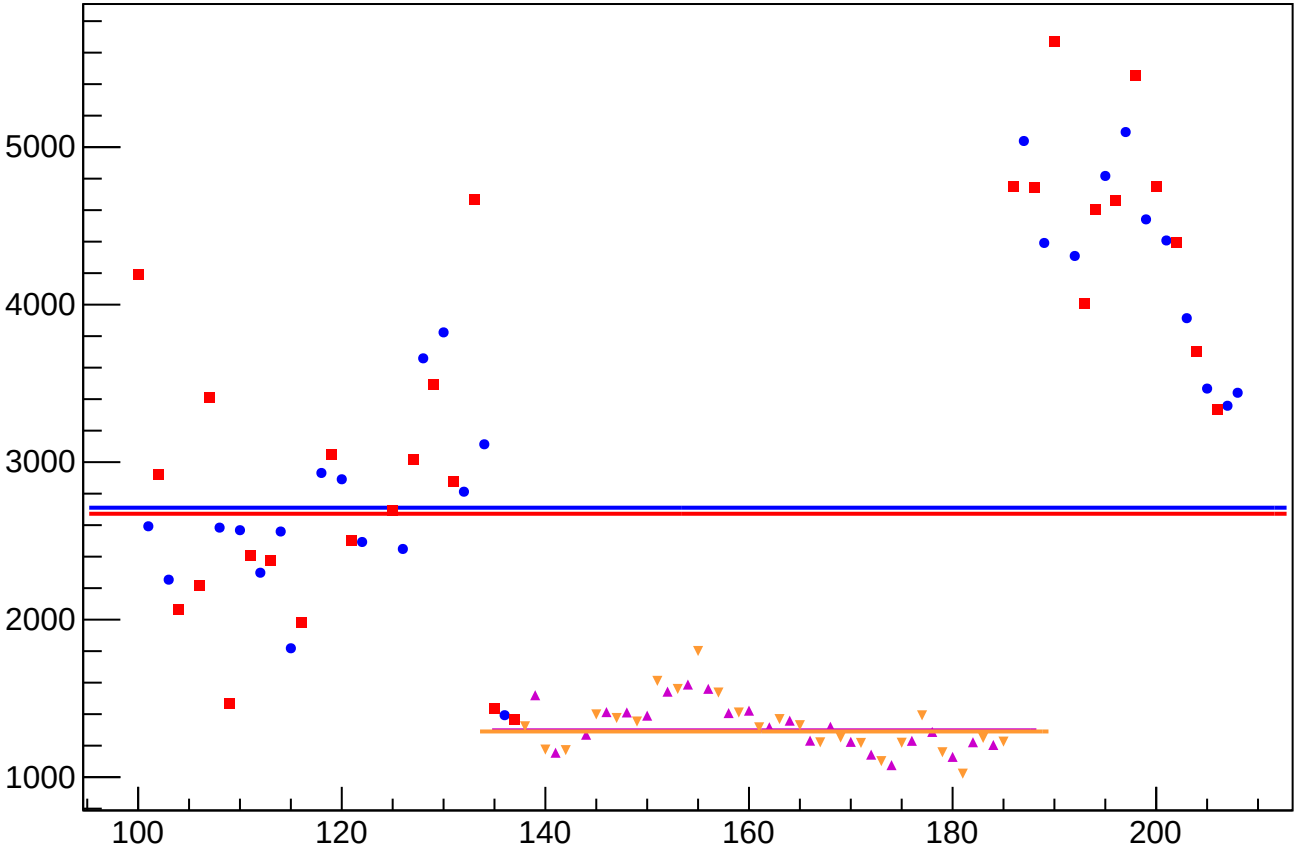
Right: -197.376+/-518.073 χ^2/NDF: 62.1/55

In: 18.273+/-281.838 χ^2/NDF:62.0/49

Out: -740.885+/-279.633 χ^2/NDF:96.8/52

All: -364.287+/-198.505 χ^2/NDF: 162.5/102

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

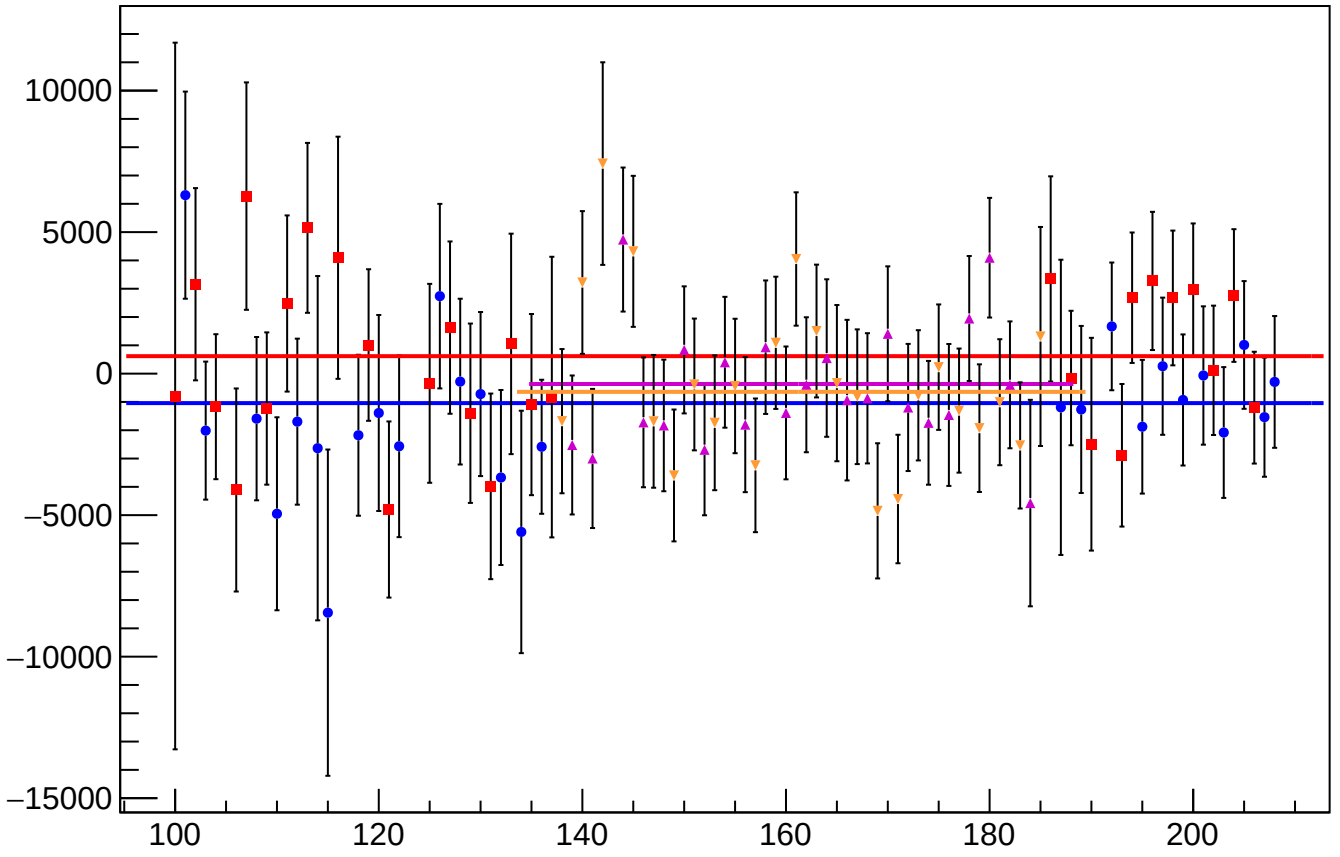
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2691.569+/-0.366 χ^2/NDF: 9043249.5/55

In: 1506.954+/-0.199 χ^2/NDF:10833055.0/49

Out: 1491.045+/-0.198 χ^2/NDF:11632208.6/52

All: 1498.937+/-0.140 χ^2/NDF: 22468474.9/1



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 617.490+/-538.667 χ^2/NDF: 23.3/28

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

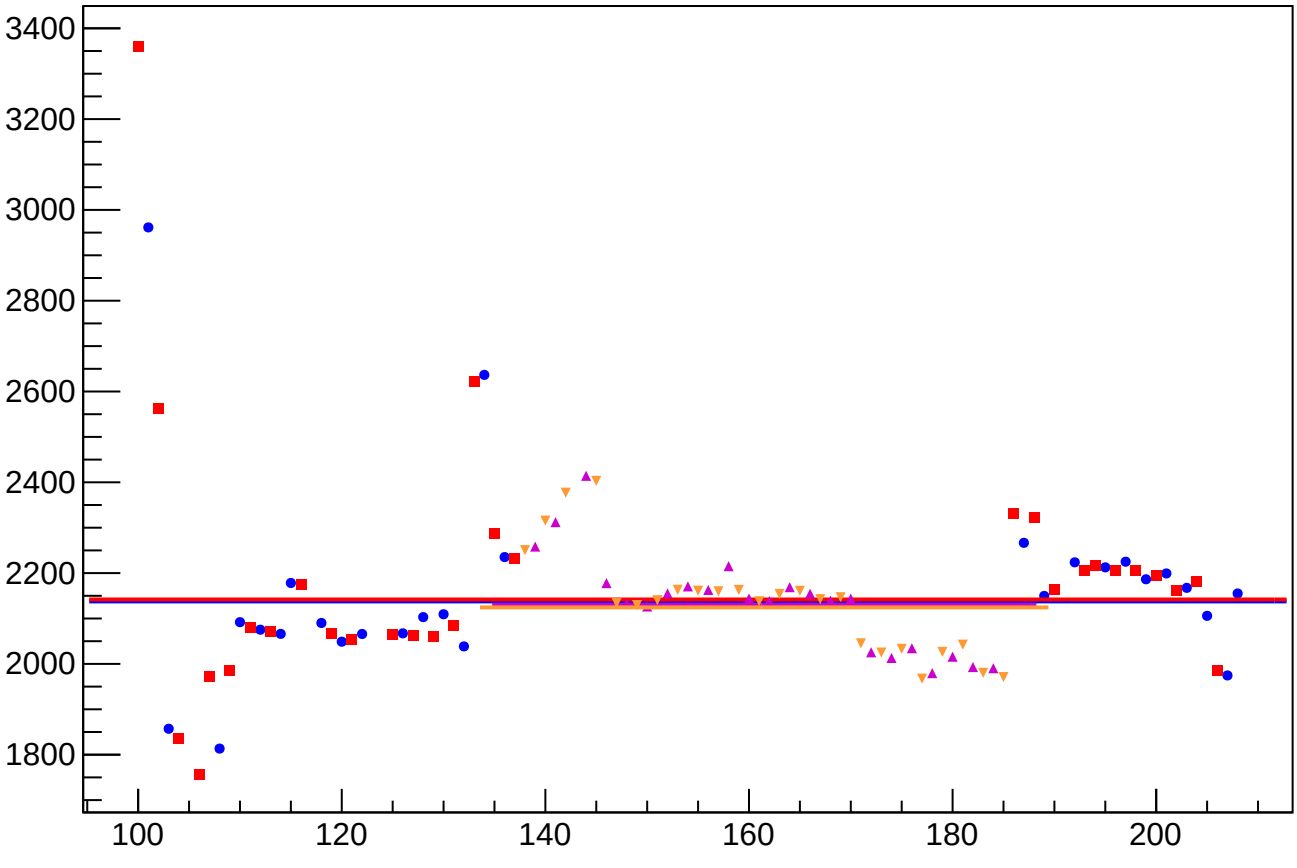
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -210.975+/-381.106 χ^2/NDF: 42.7/55

In: -677.096+/-365.817 χ^2/NDF:32.8/49

Out: -67.944+/-363.952 χ^2/NDF:53.4/52

All: -370.964+/-258.010 χ^2/NDF: 87.6/102



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

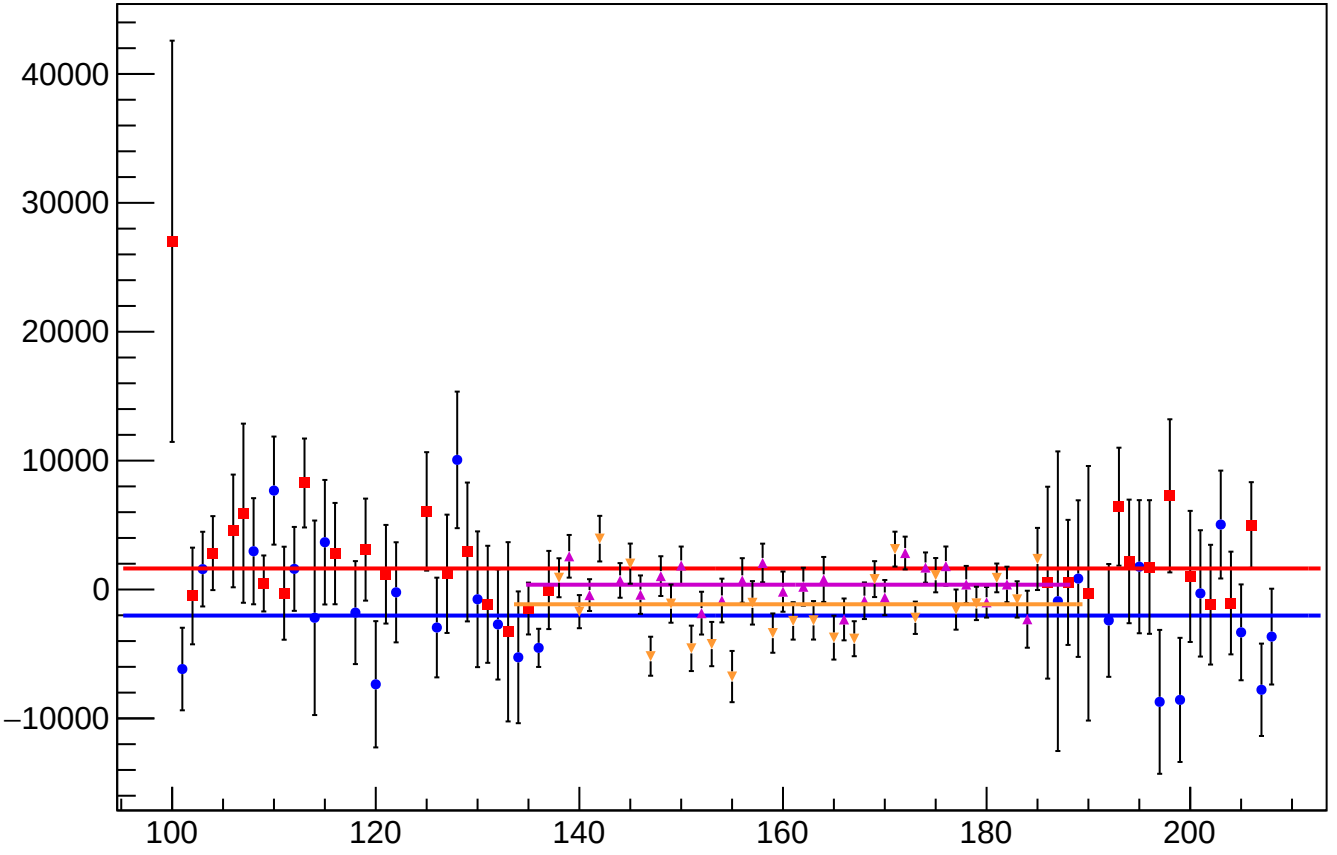
Right: 2139.773+/-0.269 χ^2/NDF: 409307.9/55

In: 2133.476+/-0.259 χ^2/NDF:300953.6/49

Out: 2132.394+/-0.257 χ^2/NDF:284194.9/52

All: 2132.932+/-0.182 χ^2/NDF: 585157.3/102

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

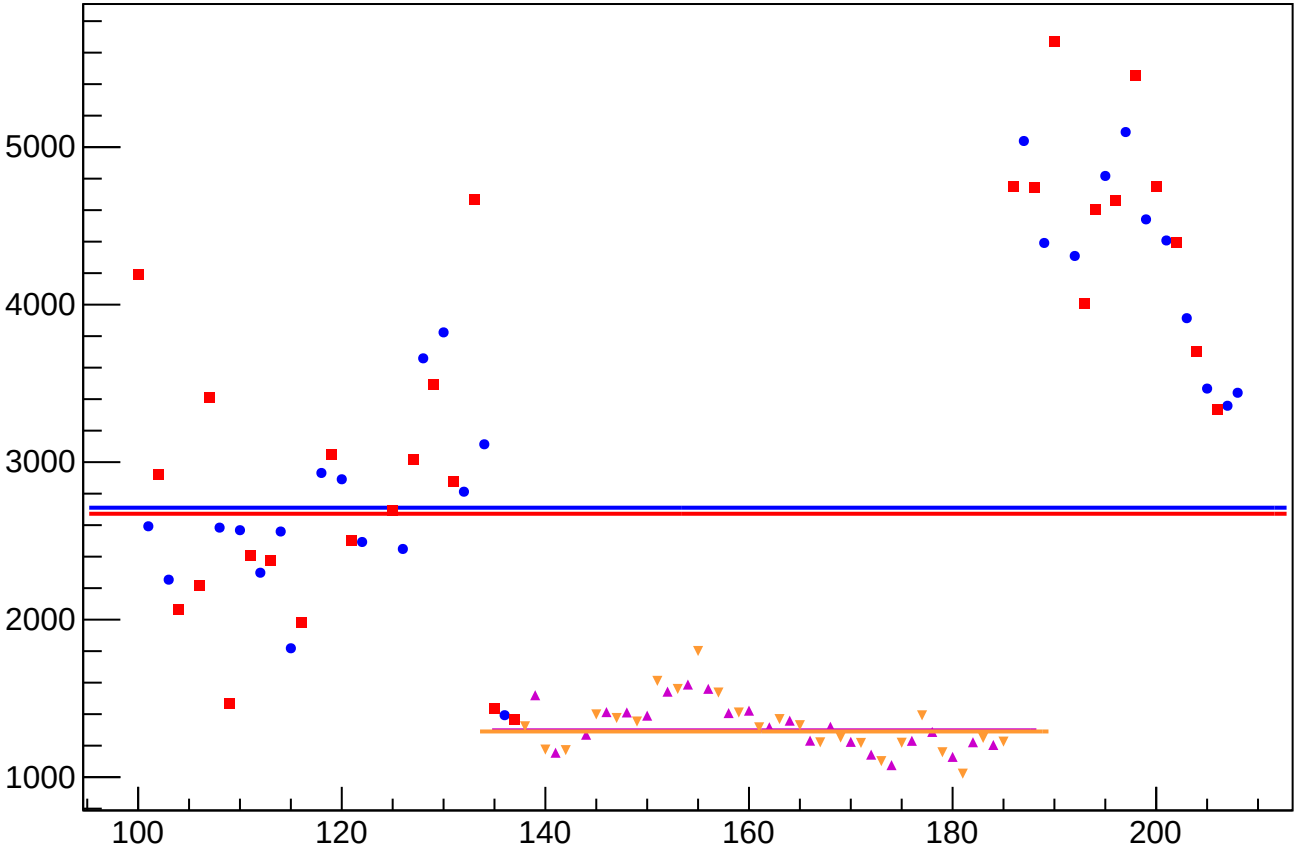
Right: -197.376+/-518.073 χ^2/NDF: 62.1/55

In: 18.273+/-281.838 χ^2/NDF:62.0/49

Out: -740.885+/-279.633 χ^2/NDF:96.8/52

All: -364.287+/-198.505 χ^2/NDF: 162.5/102

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

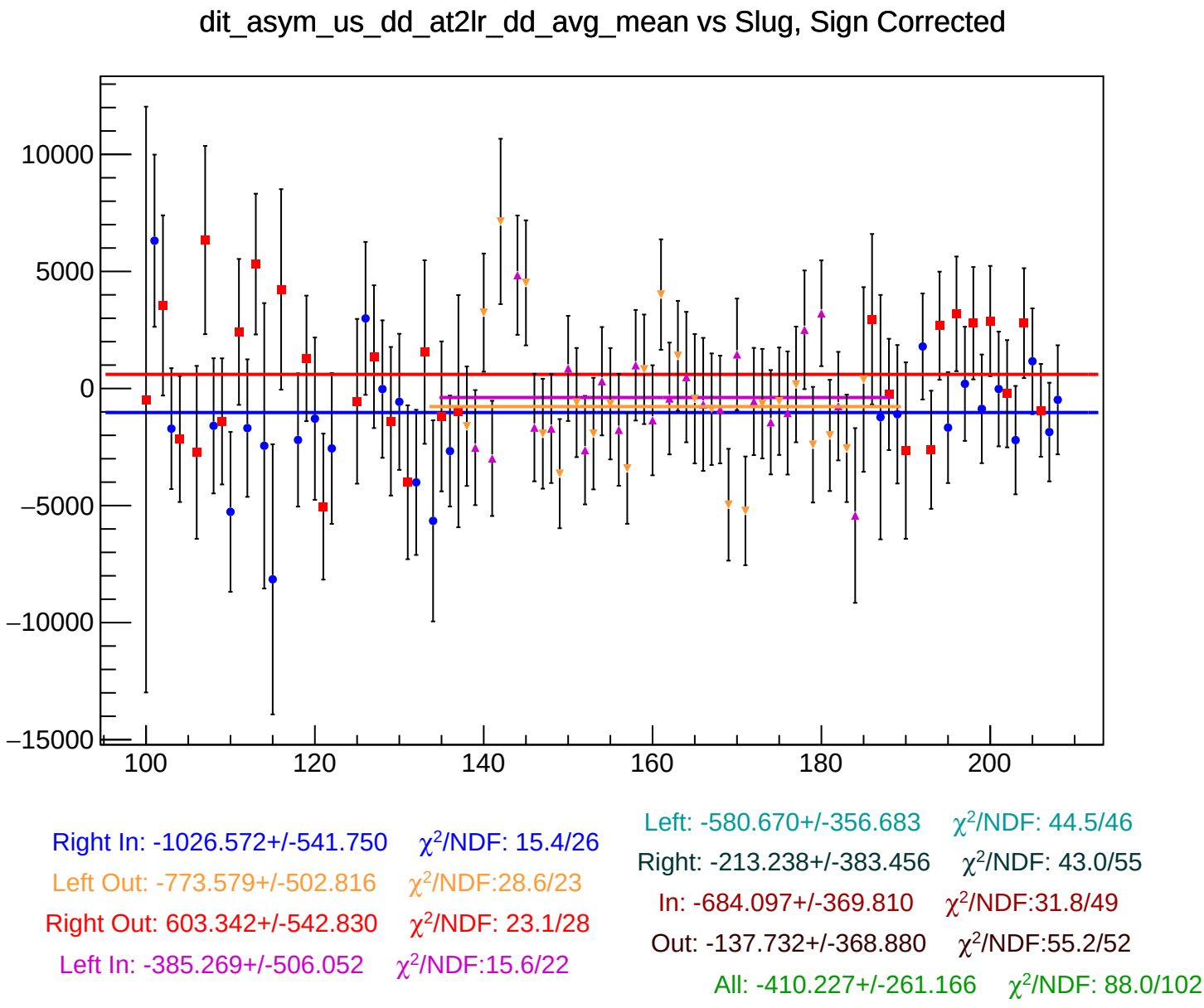
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

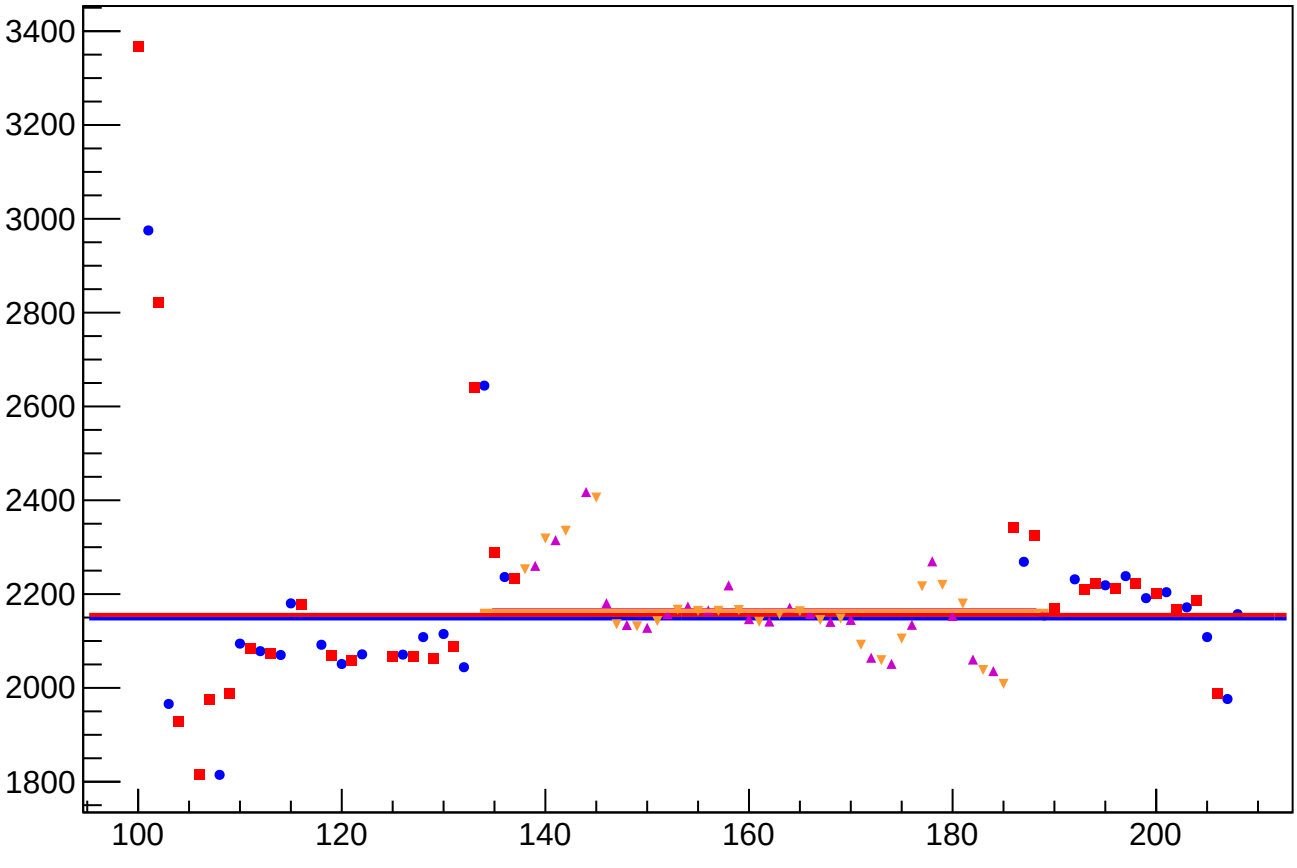
Right: 2691.569+/-0.366 χ^2/NDF: 9043249.5/55

In: 1506.954+/-0.199 χ^2/NDF:10833055.0/49

Out: 1491.045+/-0.198 χ^2/NDF:11632208.6/52

All: 1498.937+/-0.140 χ^2/NDF: 22468474.9/1


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1026.572+/-541.750 χ²/NDF: 15.4/26
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 603.342+/-542.830 χ²/NDF: 23.1/28
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -213.238+/-383.456 χ²/NDF: 43.0/55
In: -684.097+/-369.810 χ²/NDF:31.8/49
Out: -137.732+/-368.880 χ²/NDF:55.2/52
All: -410.227+/-261.166 χ²/NDF: 88.0/102



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.8/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.8/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

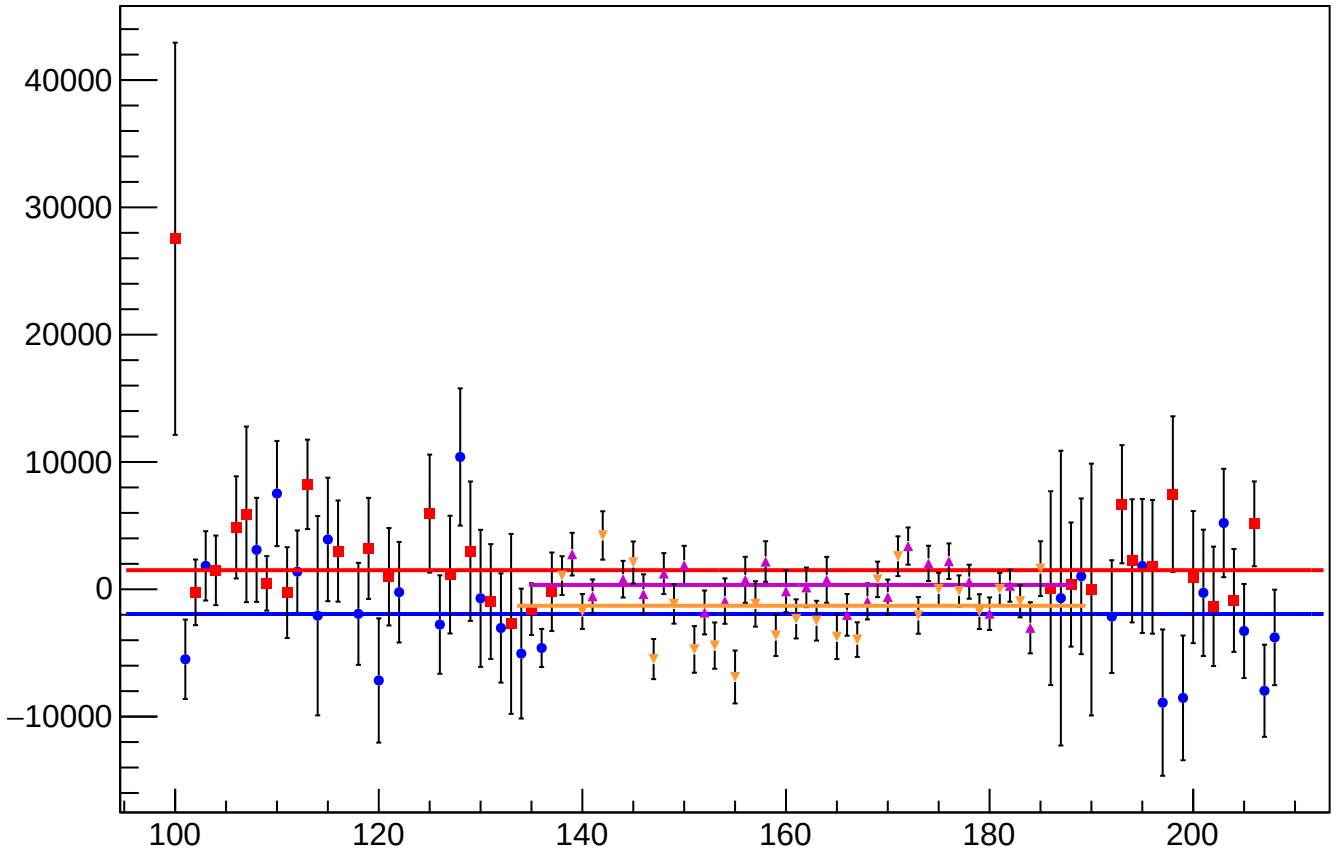
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2151.869+/-0.271 χ^2/NDF: 405418.0/55

In: 2157.436+/-0.261 χ^2/NDF:254270.3/49

Out: 2160.465+/-0.261 χ^2/NDF:255159.4/52

All: 2158.954+/-0.185 χ^2/NDF: 509497.0/102



Right In: -1940.054+/-732.705 χ^2/NDF: 32.9/26

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1501.092+/-717.302 χ^2/NDF: 17.4/28

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

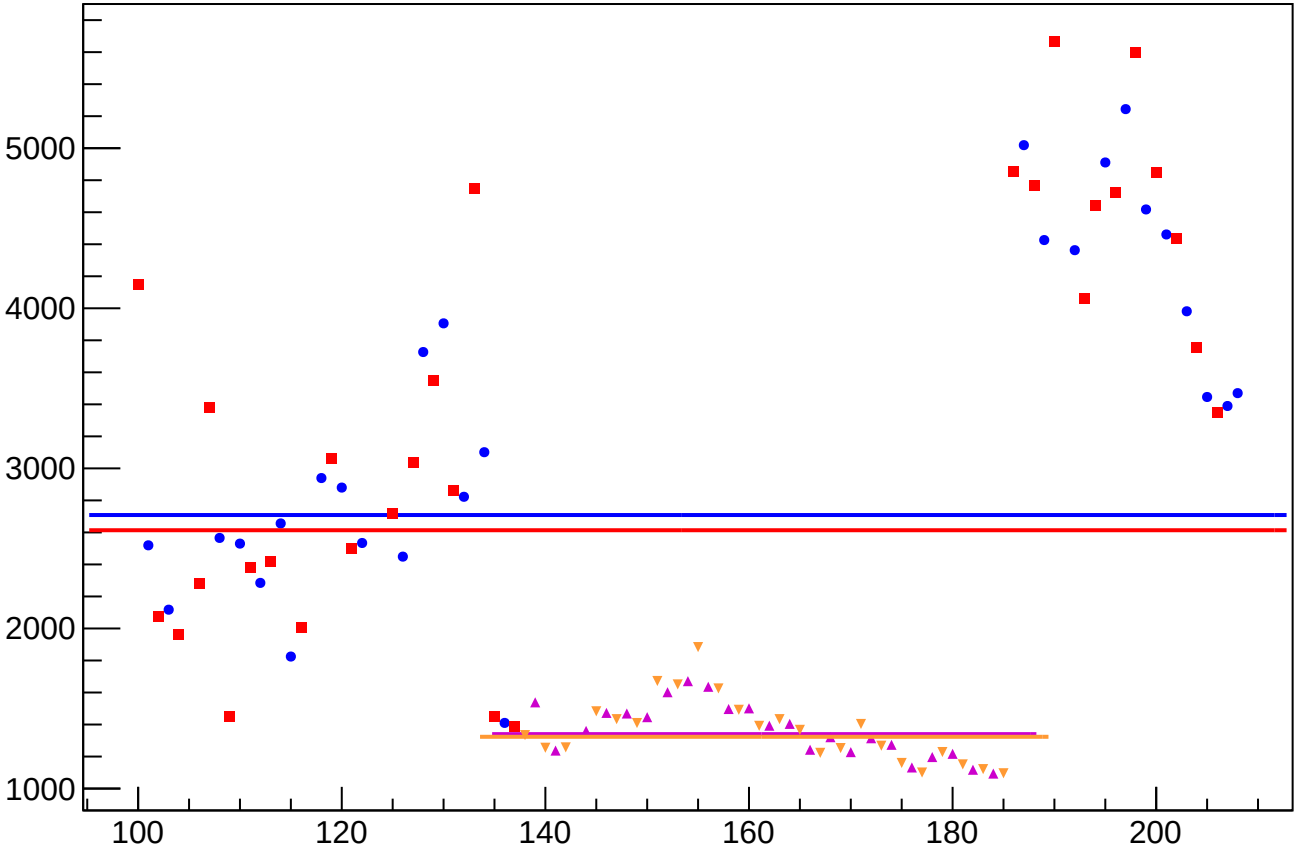
Right: -182.931+/-512.568 χ^2/NDF: 61.6/55

In: -15.692+/-289.829 χ^2/NDF:65.9/49

Out: -852.380+/-285.043 χ^2/NDF:88.9/52

All: -441.001+/-203.227 χ^2/NDF: 159.0/102

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2708.642+/-0.518 χ^2/NDF: 4137044.6/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2613.655+/-0.507 χ^2/NDF: 5205865.7/28

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

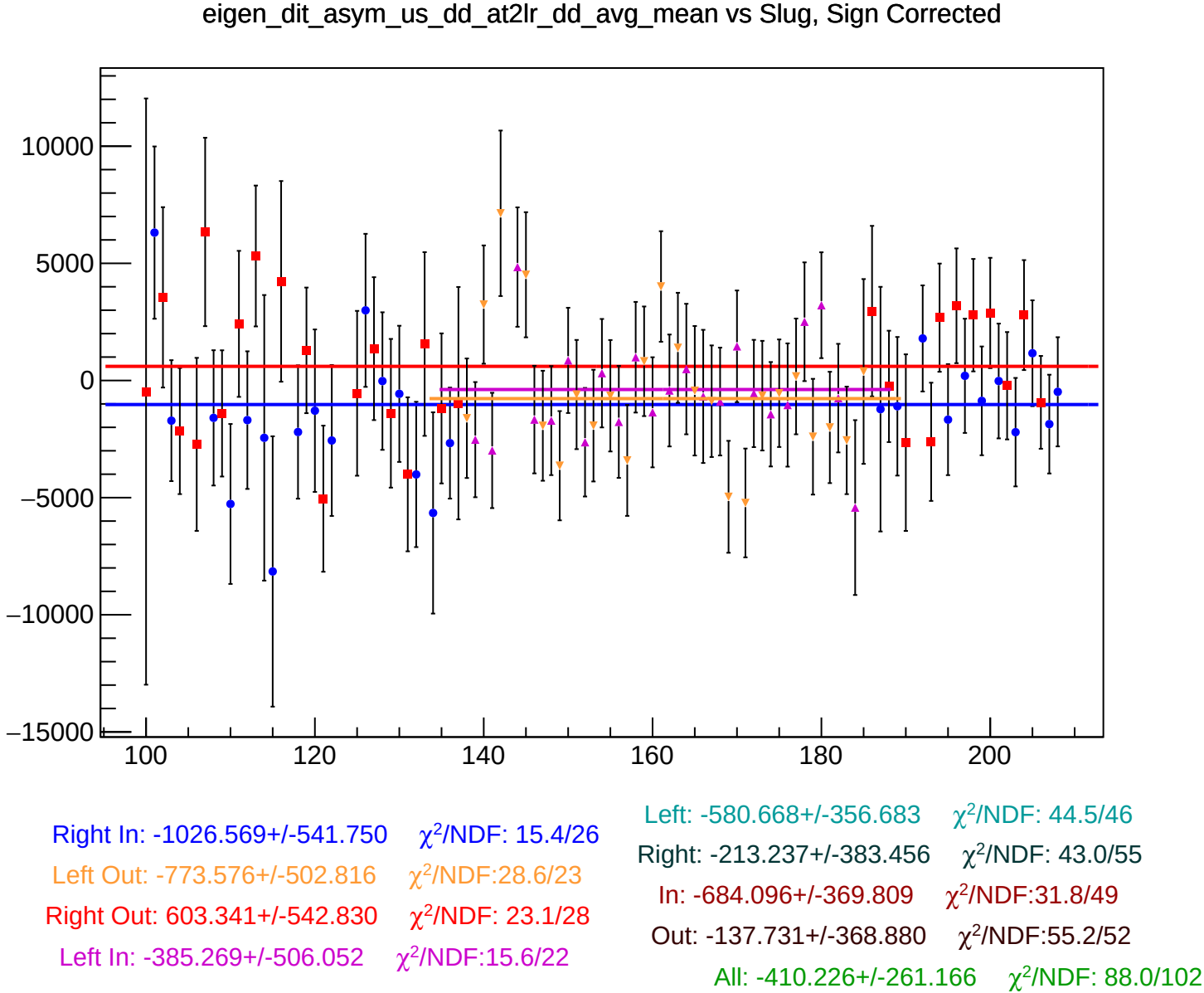
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

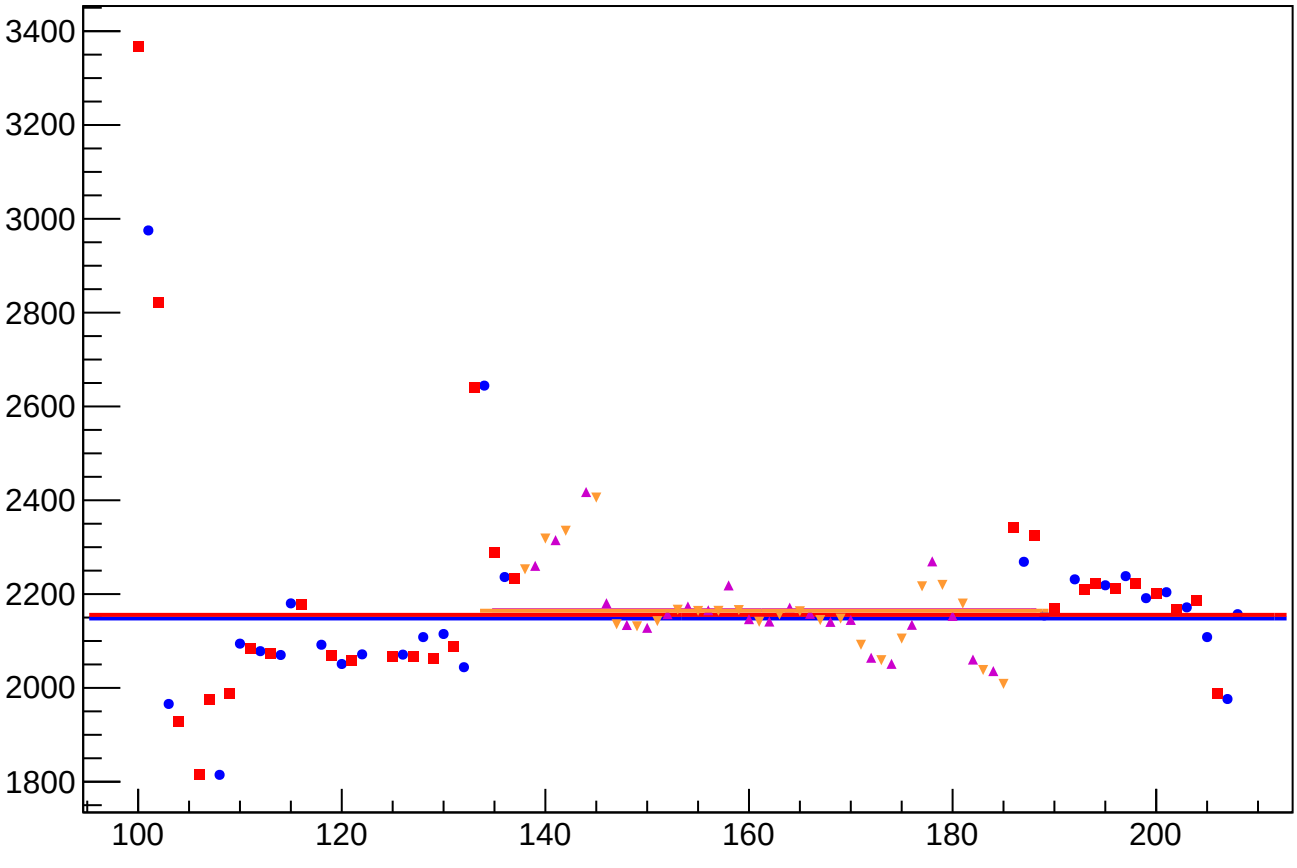
Right: 2660.139+/-0.362 χ^2/NDF: 9360073.6/55

In: 1554.219+/-0.205 χ^2/NDF:10517030.0/49

Out: 1527.149+/-0.202 χ^2/NDF:11318917.0/52

All: 1540.459+/-0.144 χ^2/NDF: 21844815.5/1


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1026.569+/-541.750 χ²/NDF: 15.4/26
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 603.341+/-542.830 χ²/NDF: 23.1/28
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -213.237+/-383.456 χ²/NDF: 43.0/55
In: -684.096+/-369.809 χ²/NDF:31.8/49
Out: -137.731+/-368.880 χ²/NDF:55.2/52
All: -410.226+/-261.166 χ²/NDF: 88.0/102



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.7/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.6/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

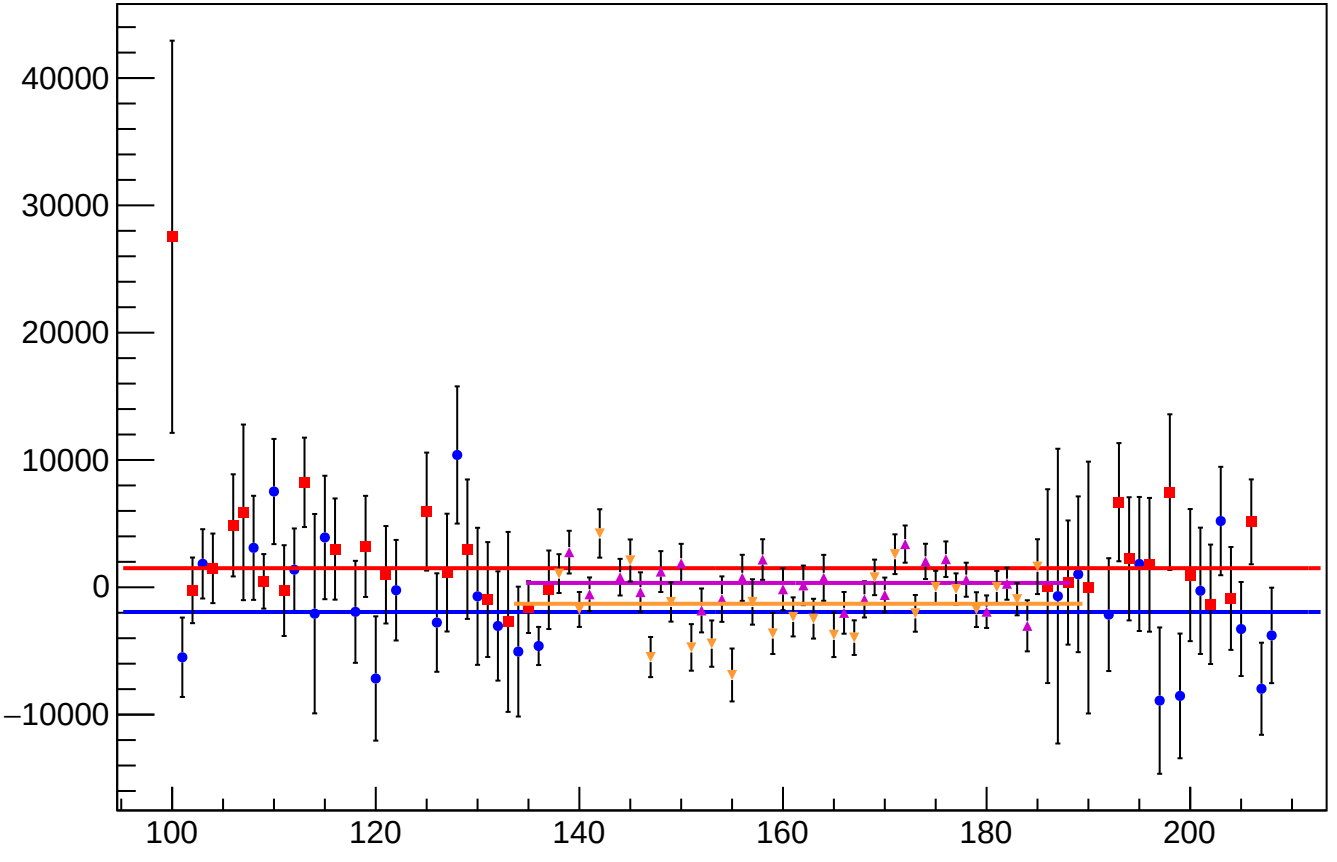
Right: 2151.869+/-0.271 χ^2/NDF: 405417.8/55

In: 2157.435+/-0.261 χ^2/NDF:254270.2/49

Out: 2160.465+/-0.261 χ^2/NDF:255159.3/52

All: 2158.954+/-0.185 χ^2/NDF: 509496.8/102

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1940.047+/-732.707 χ^2/NDF: 32.9/26

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1501.107+/-717.304 χ^2/NDF: 17.4/28

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

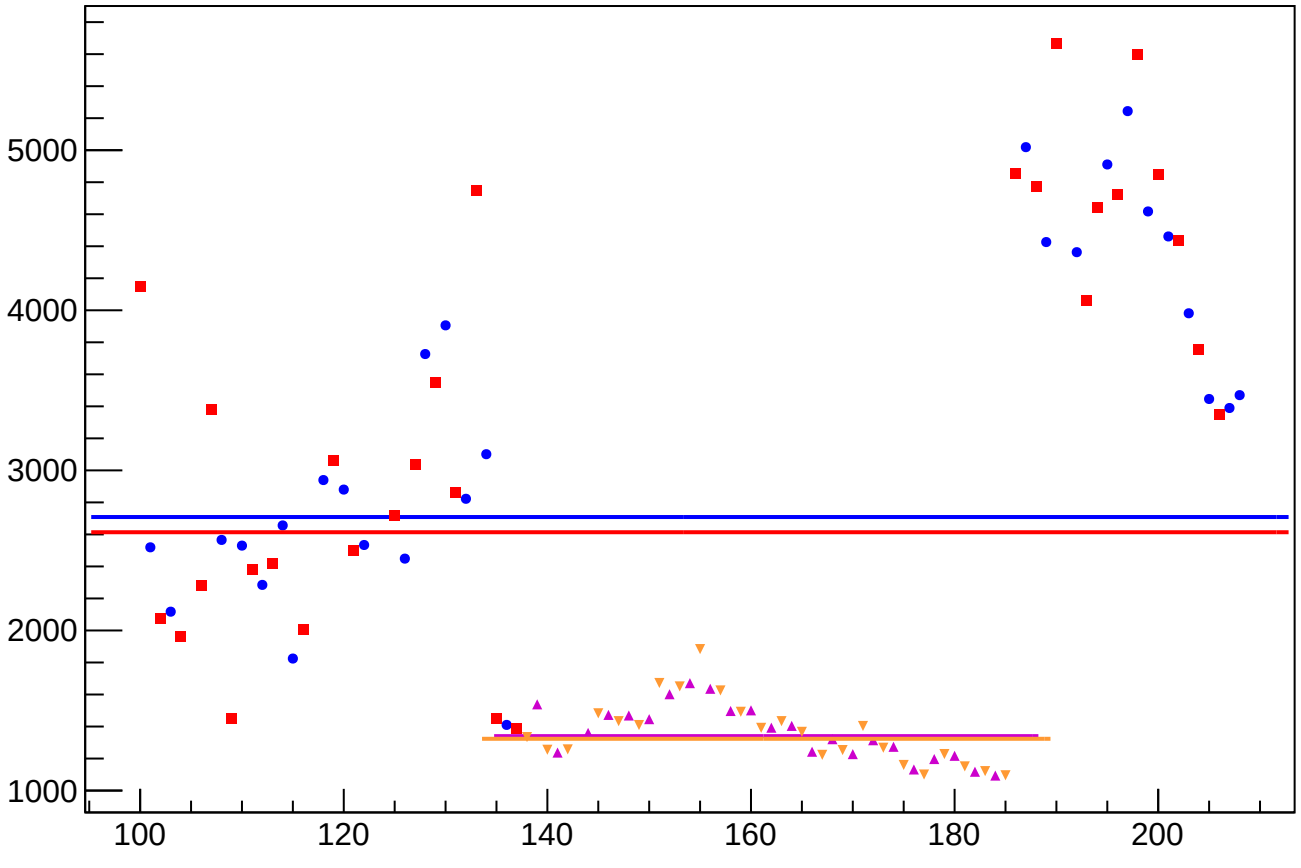
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: -182.921+/-512.570 χ^2/NDF: 61.6/55

In: -15.691+/-289.828 χ^2/NDF:65.9/49

Out: -852.381+/-285.043 χ^2/NDF:88.9/52

All: -441.000+/-203.227 χ^2/NDF: 159.0/102



Right In: 2708.653+/-0.518 χ^2/NDF: 4136948.1/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2613.667+/-0.507 χ^2/NDF: 5205776.6/28

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

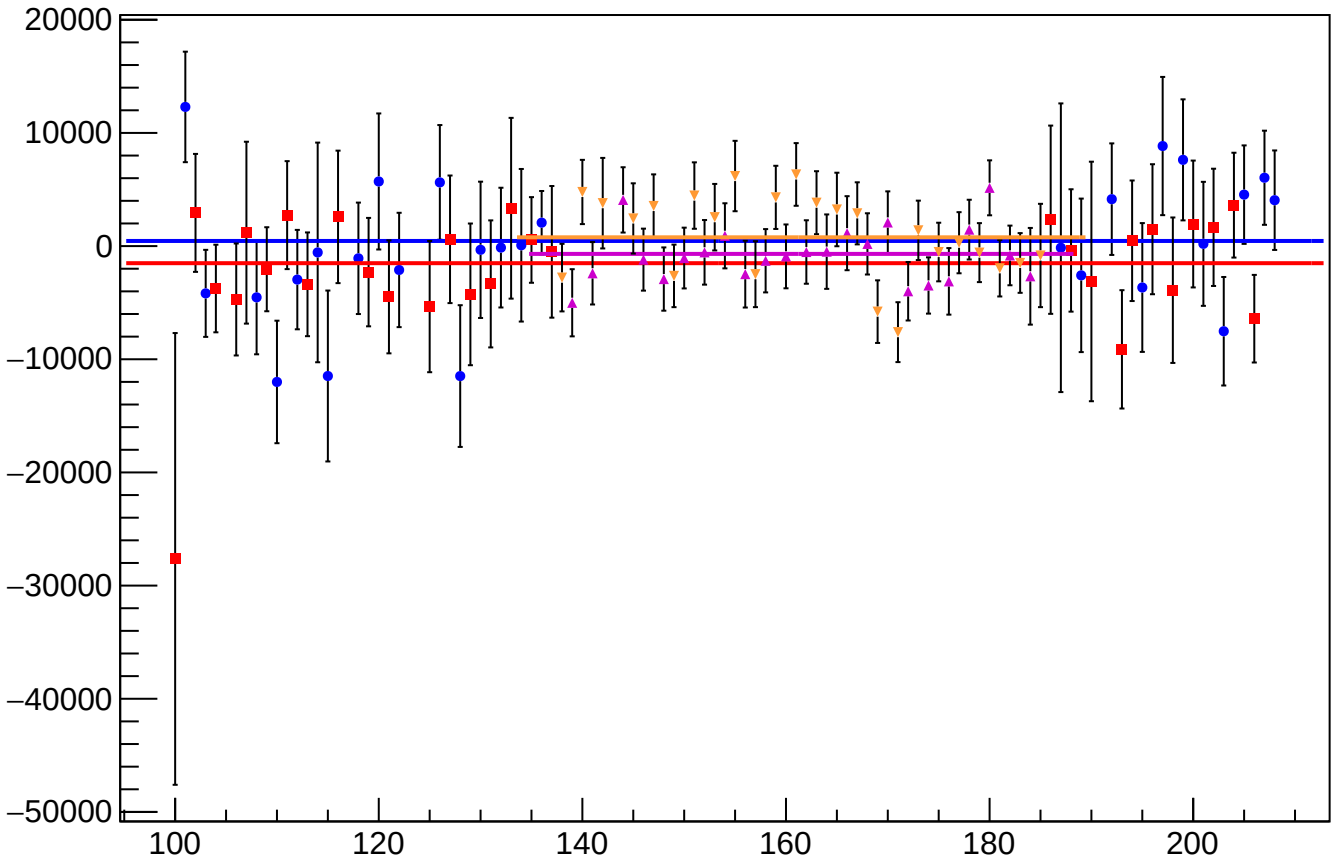
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2660.151+/-0.362 χ^2/NDF: 9359887.5/55

In: 1554.218+/-0.205 χ^2/NDF:10517028.6/49

Out: 1527.150+/-0.202 χ^2/NDF:11318904.2/52

All: 1540.459+/-0.144 χ^2/NDF: 21844800.4/1



Right In: 453.259+/-976.144 χ^2/NDF: 34.0/26

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1509.751+/-980.862 χ^2/NDF: 13.3/28

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

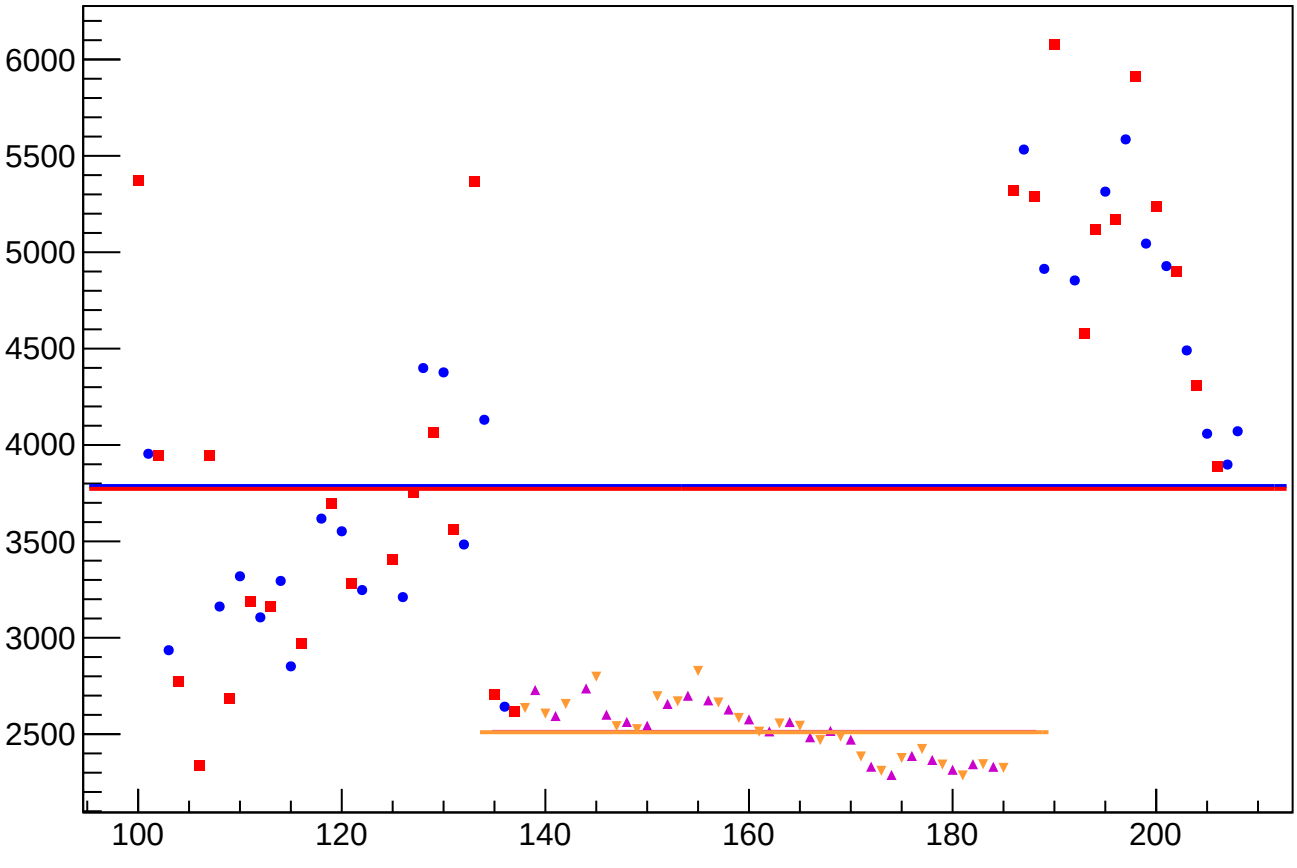
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -523.514+/-691.900 χ^2/NDF: 49.3/55

In: -386.033+/-503.320 χ^2/NDF:53.3/49

Out: 177.349+/-501.597 χ^2/NDF:56.6/52

All: -103.376+/-355.290 χ^2/NDF: 110.6/102



Right In: 3787.086+/-0.690 χ^2/NDF: 1430317.1/26

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3772.541+/-0.694 χ^2/NDF: 2041366.1/28

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

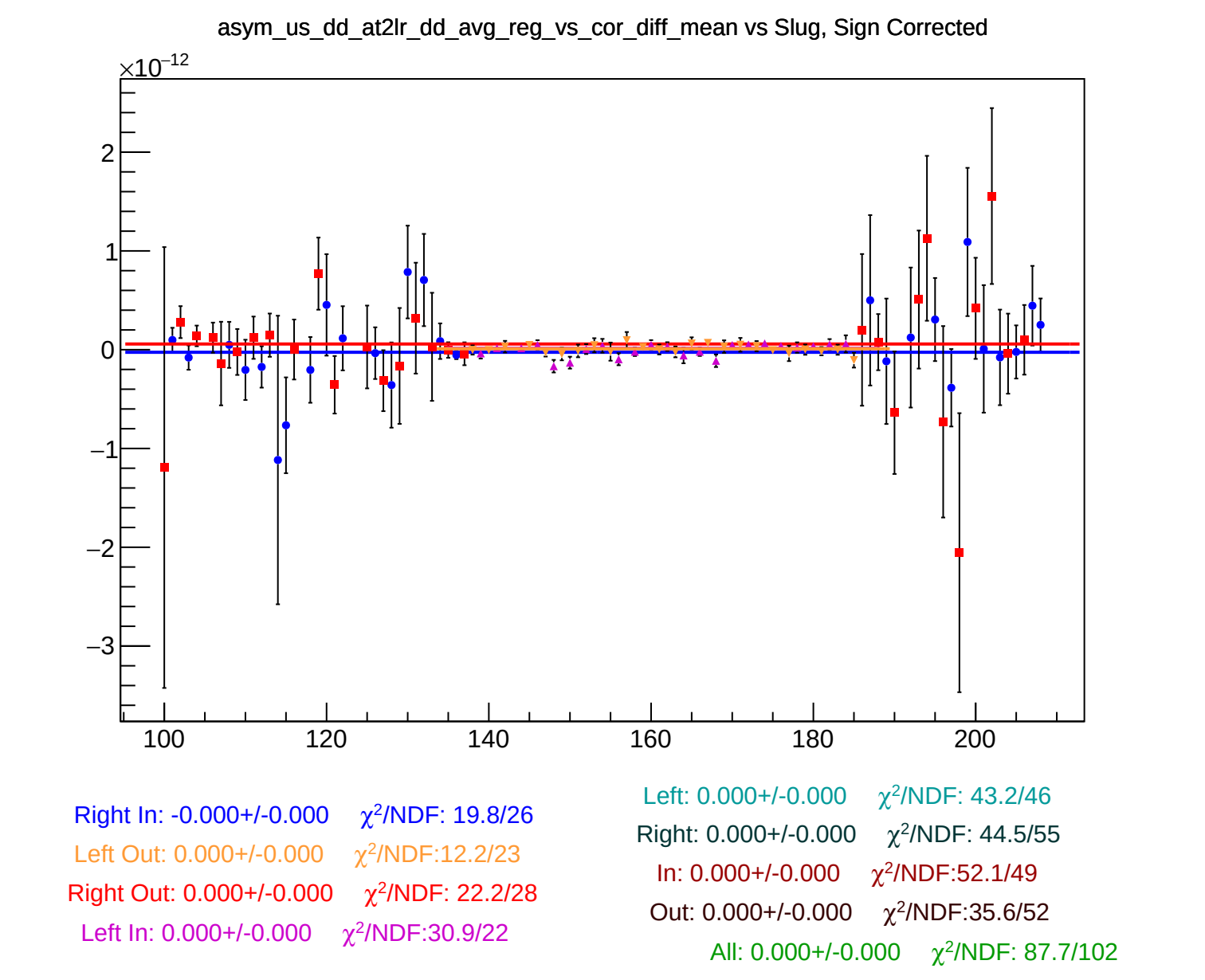
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

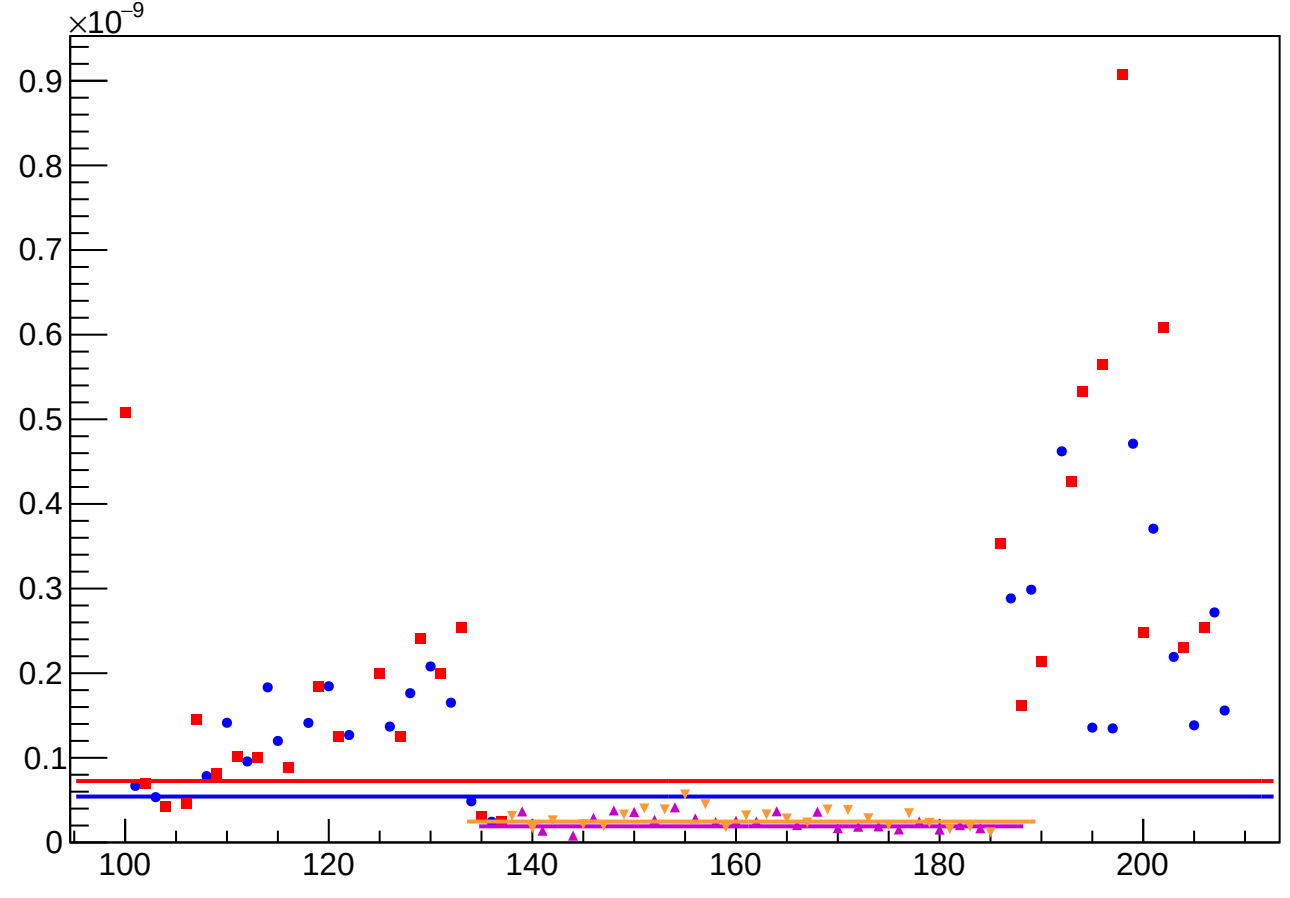
Right: 3779.848+/-0.489 χ^2/NDF: 3471904.2/55

In: 2850.717+/-0.356 χ^2/NDF:4050614.1/49

Out: 2840.227+/-0.355 χ^2/NDF:4616843.4/52

All: 2845.454+/-0.251 χ^2/NDF: 8667893.4/10


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.8/26
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/28
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 44.5/55
In: 0.000+/-0.000 χ²/NDF:52.1/49
Out: 0.000+/-0.000 χ²/NDF:35.6/52
All: 0.000+/-0.000 χ²/NDF: 87.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 6076286.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7022808.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

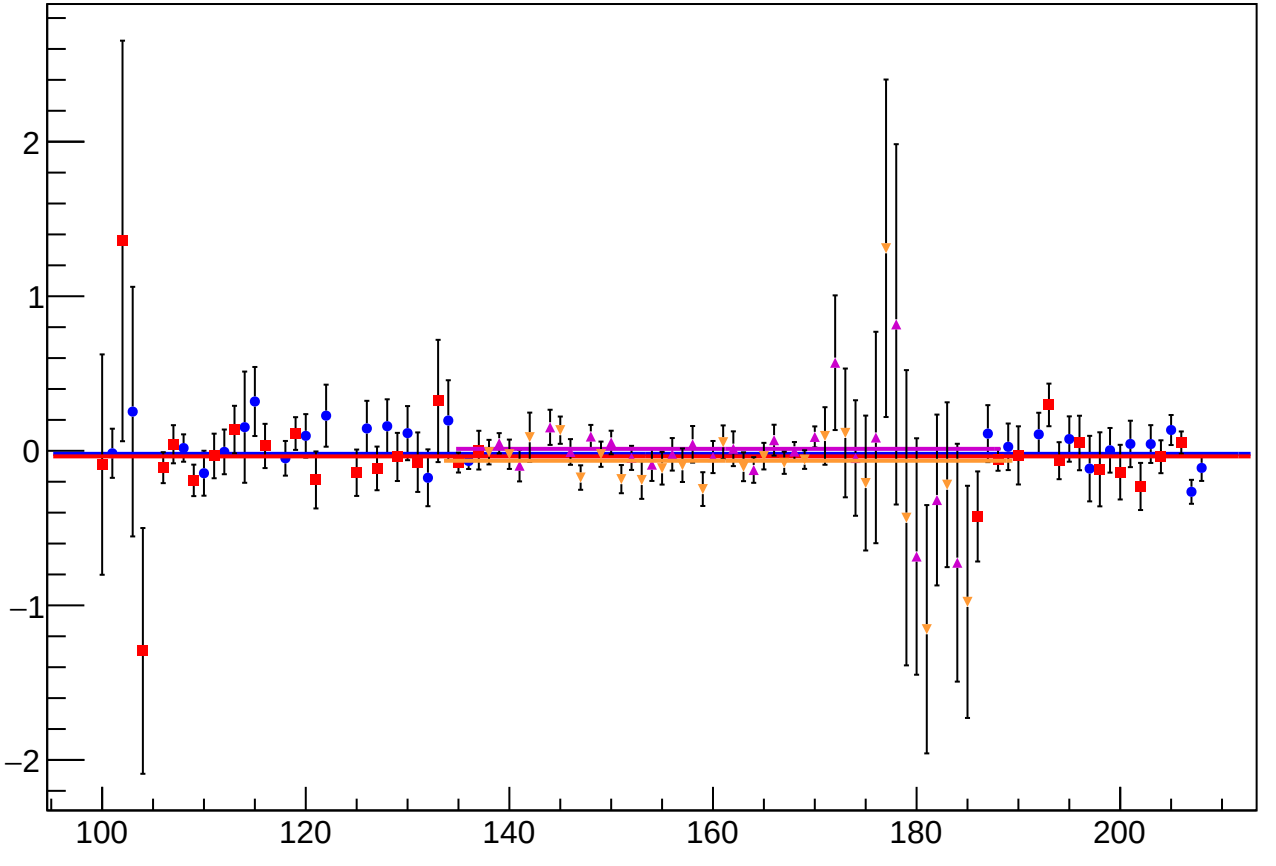
Right: 0.000+/-0.000 χ^2/NDF: 13334706.1/55

In: 0.000+/-0.000 χ^2/NDF:10373453.1/49

Out: 0.000+/-0.000 χ^2/NDF:10919961.5/52

All: 0.000+/-0.000 χ^2/NDF: 21743549.6/102

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

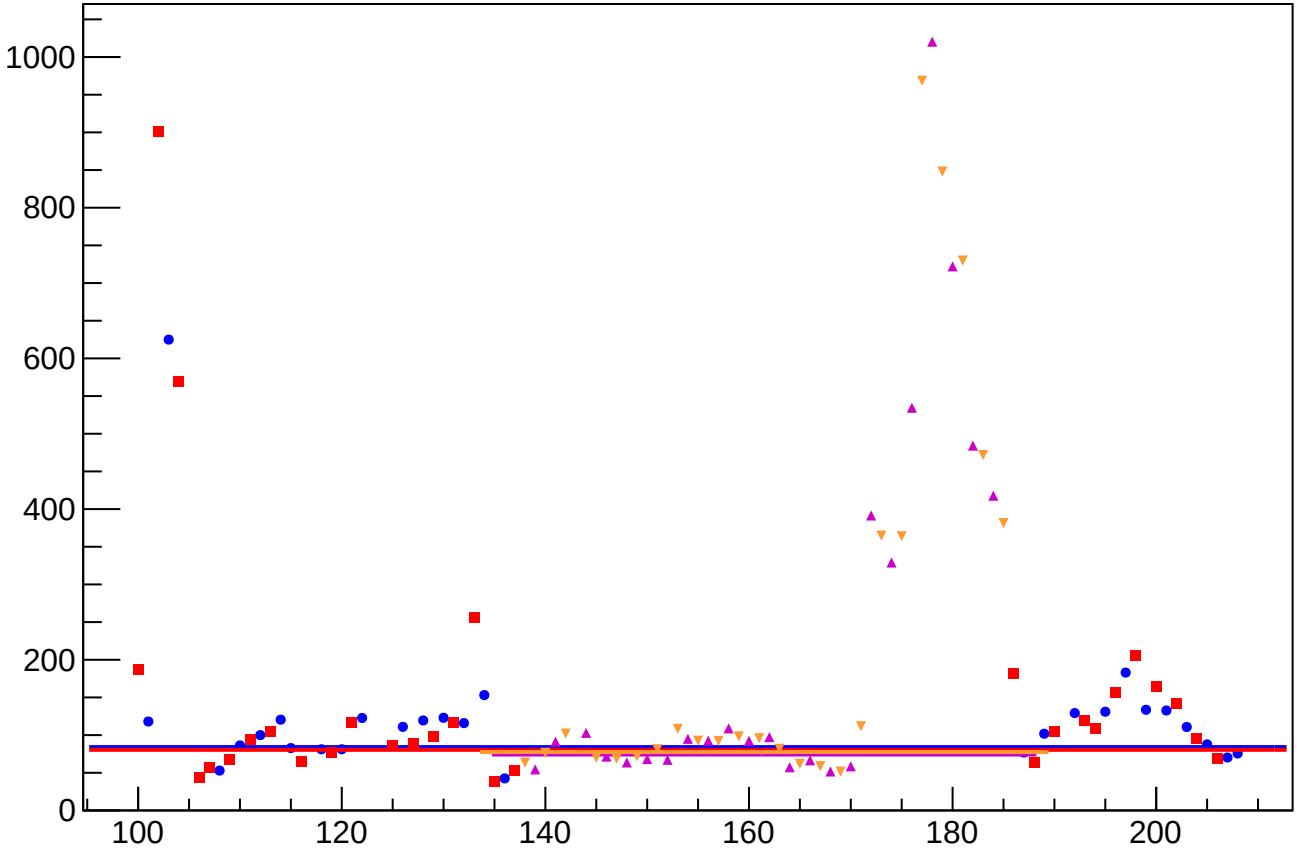
Right: -0.028+/-0.017 χ^2/NDF: 51.8/55

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.026+/-0.011 χ^2/NDF: 95.6/102

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

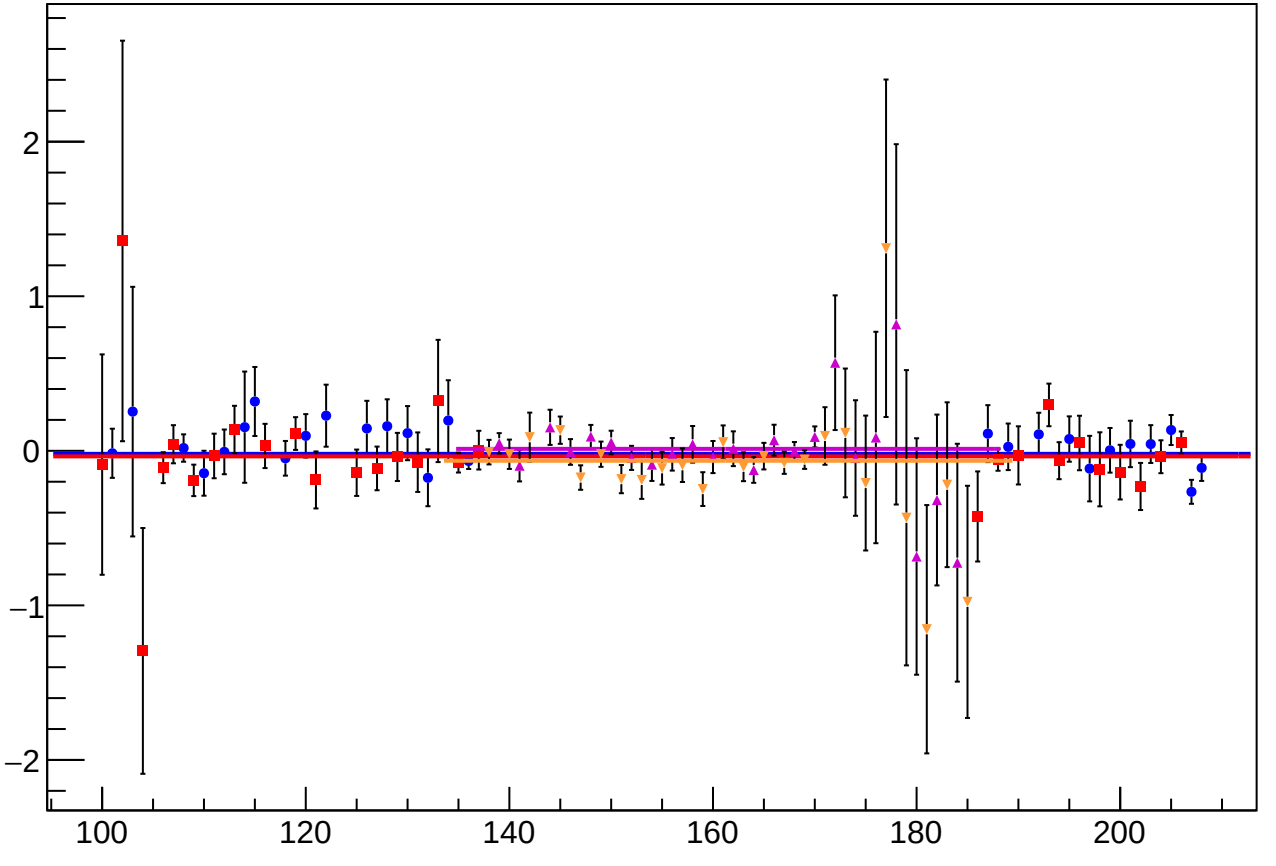
Right: 82.270+/-0.012 χ^2/NDF: 10656525.1/55

In: 78.526+/-0.011 χ^2/NDF:13294321.7/49

Out: 78.888+/-0.011 χ^2/NDF:14391617.7/52

All: 78.703+/-0.008 χ^2/NDF: 27686448.4/102

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

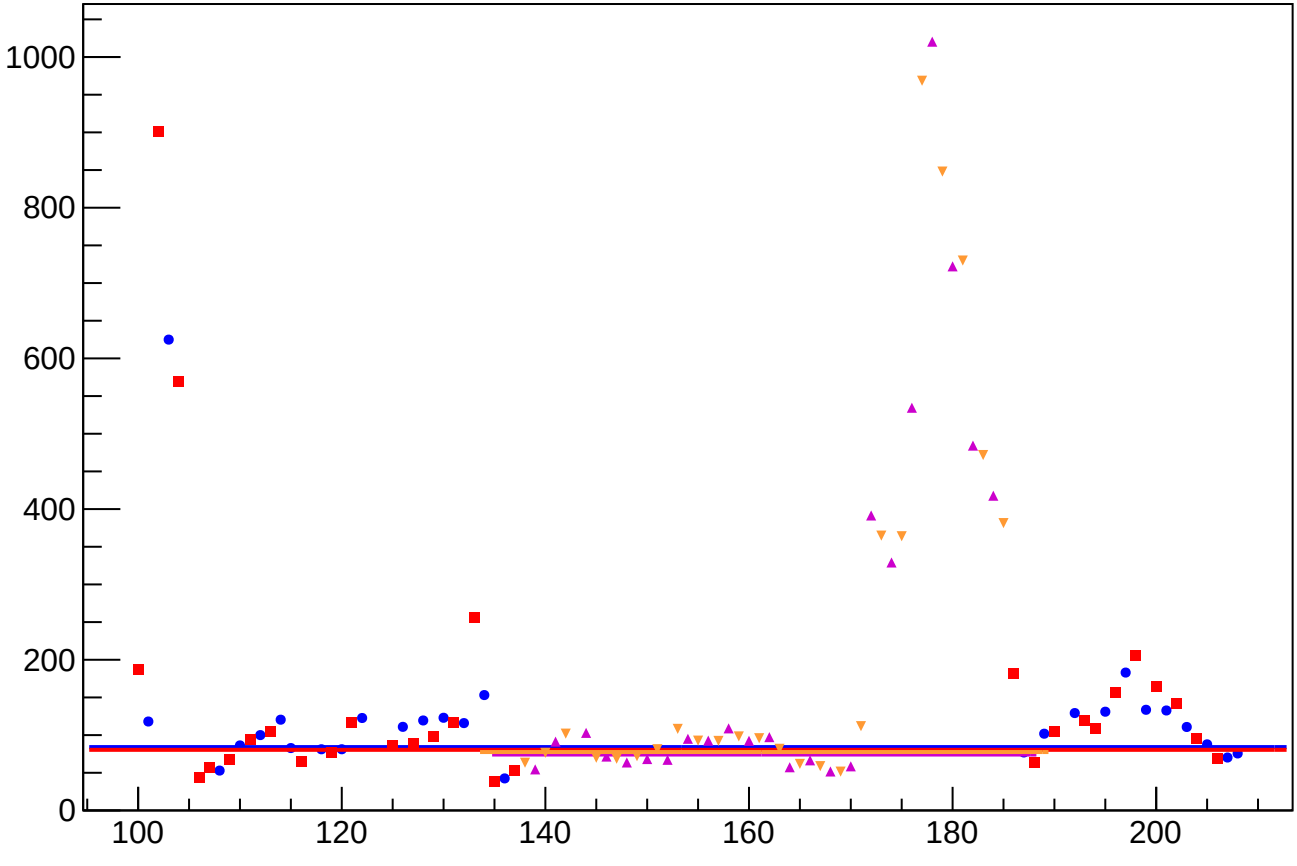
Right: -0.028+/-0.017 χ^2/NDF: 51.8/55

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.026+/-0.011 χ^2/NDF: 95.6/102

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

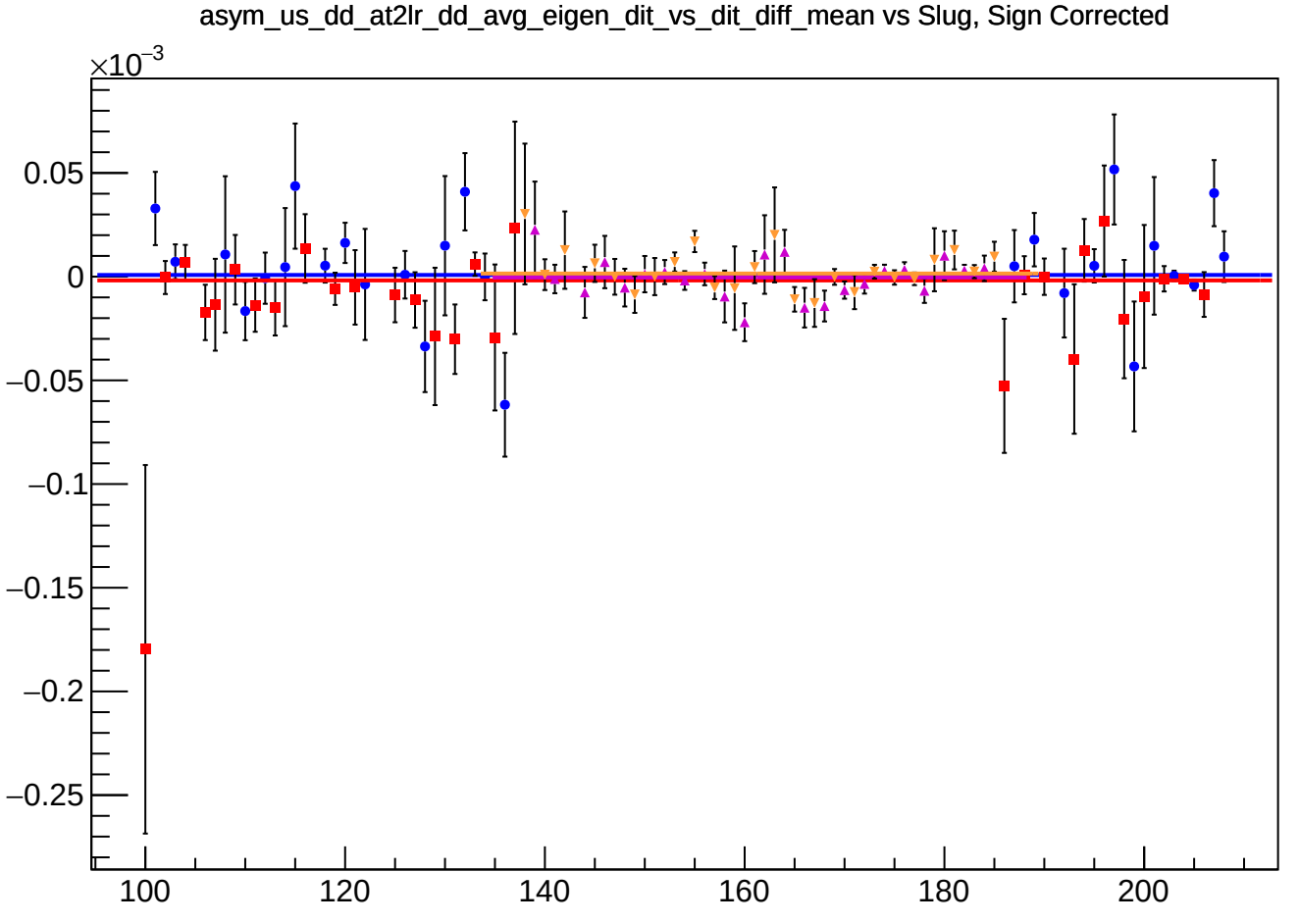
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 82.270+/-0.012 χ^2/NDF: 10656525.1/55

In: 78.526+/-0.011 χ^2/NDF:13294321.7/49

Out: 78.888+/-0.011 χ^2/NDF:14391617.7/52

All: 78.703+/-0.008 χ^2/NDF: 27686448.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/28

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

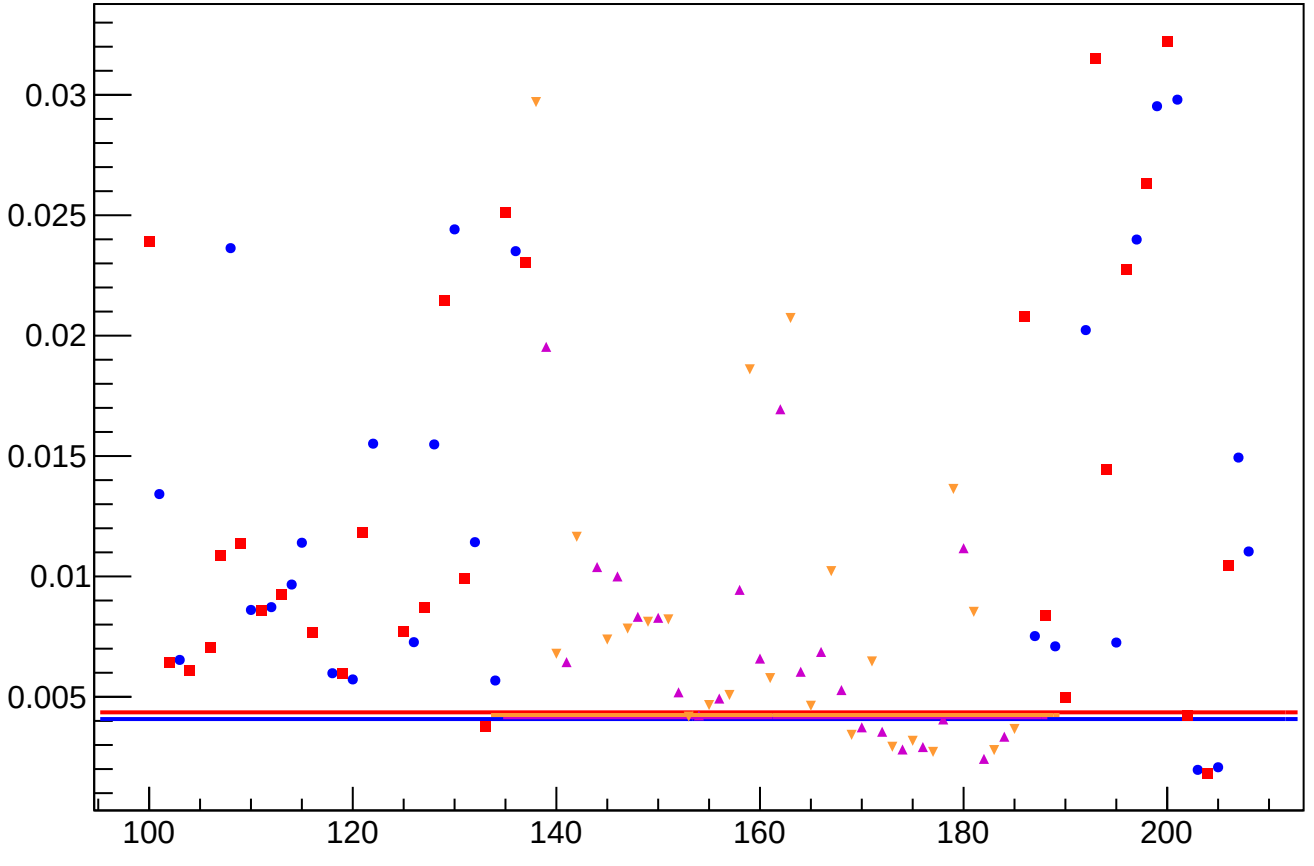
Right: -0.000+/-0.000 χ^2/NDF: 67.1/55

In: 0.000+/-0.000 χ^2/NDF:67.0/49

Out: 0.000+/-0.000 χ^2/NDF:53.6/52

All: 0.000+/-0.000 χ^2/NDF: 120.7/102

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 14892853.0/26

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13939290.0/28

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

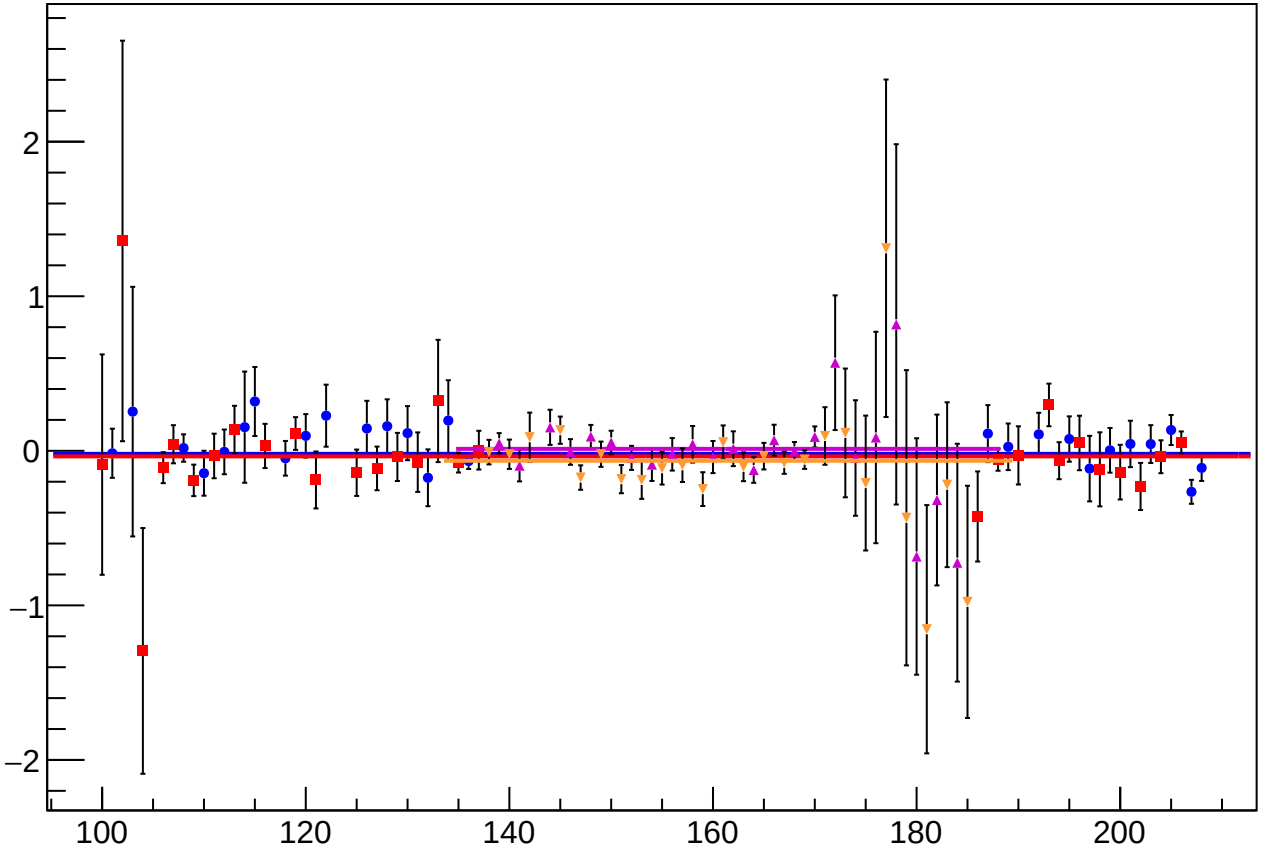
Right: 0.004+/-0.000 χ^2/NDF: 28864944.2/55

In: 0.004+/-0.000 χ^2/NDF:21782347.0/49

Out: 0.004+/-0.000 χ^2/NDF:22596819.7/52

All: 0.004+/-0.000 χ^2/NDF: 44408674.6/102

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

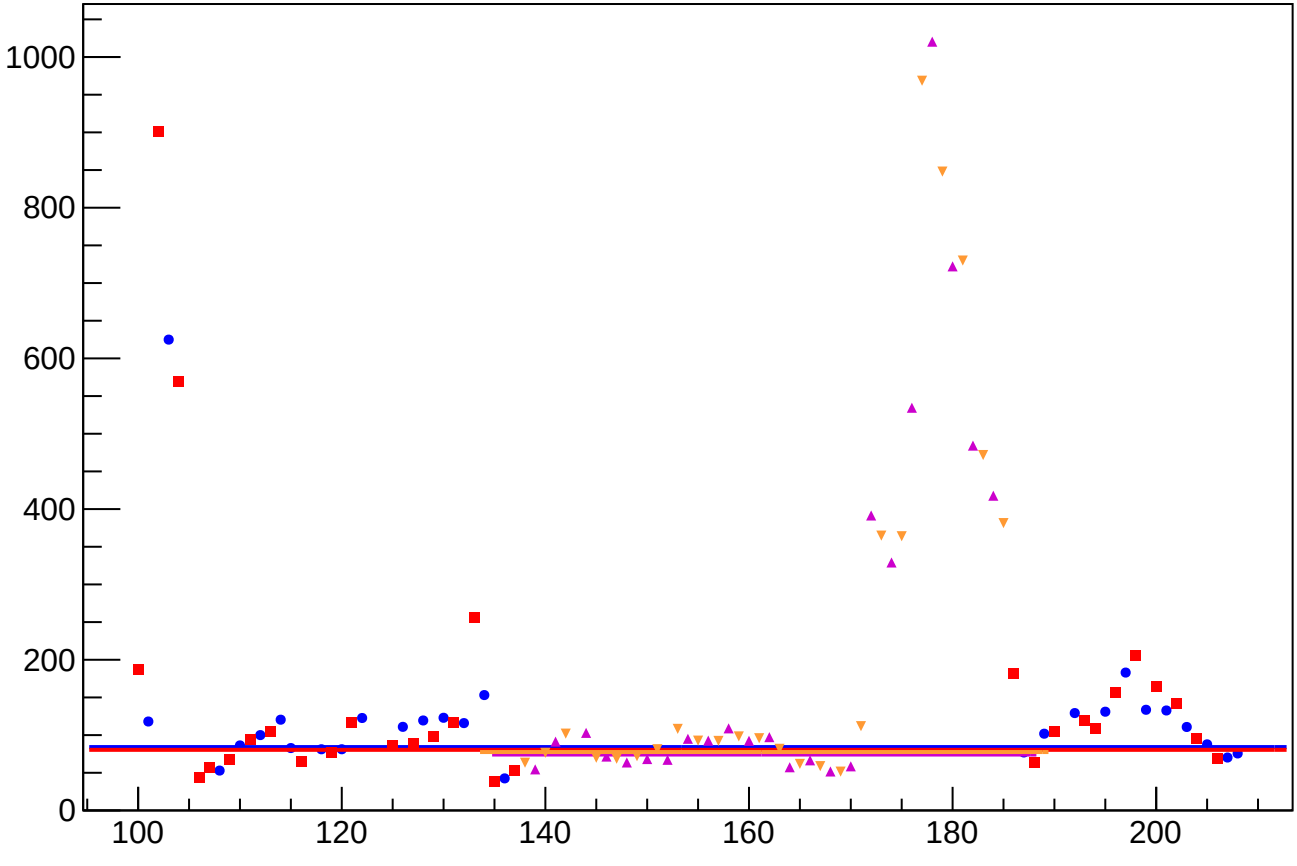
Right: -0.028+/-0.017 χ^2/NDF: 51.8/55

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.026+/-0.011 χ^2/NDF: 95.6/102

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

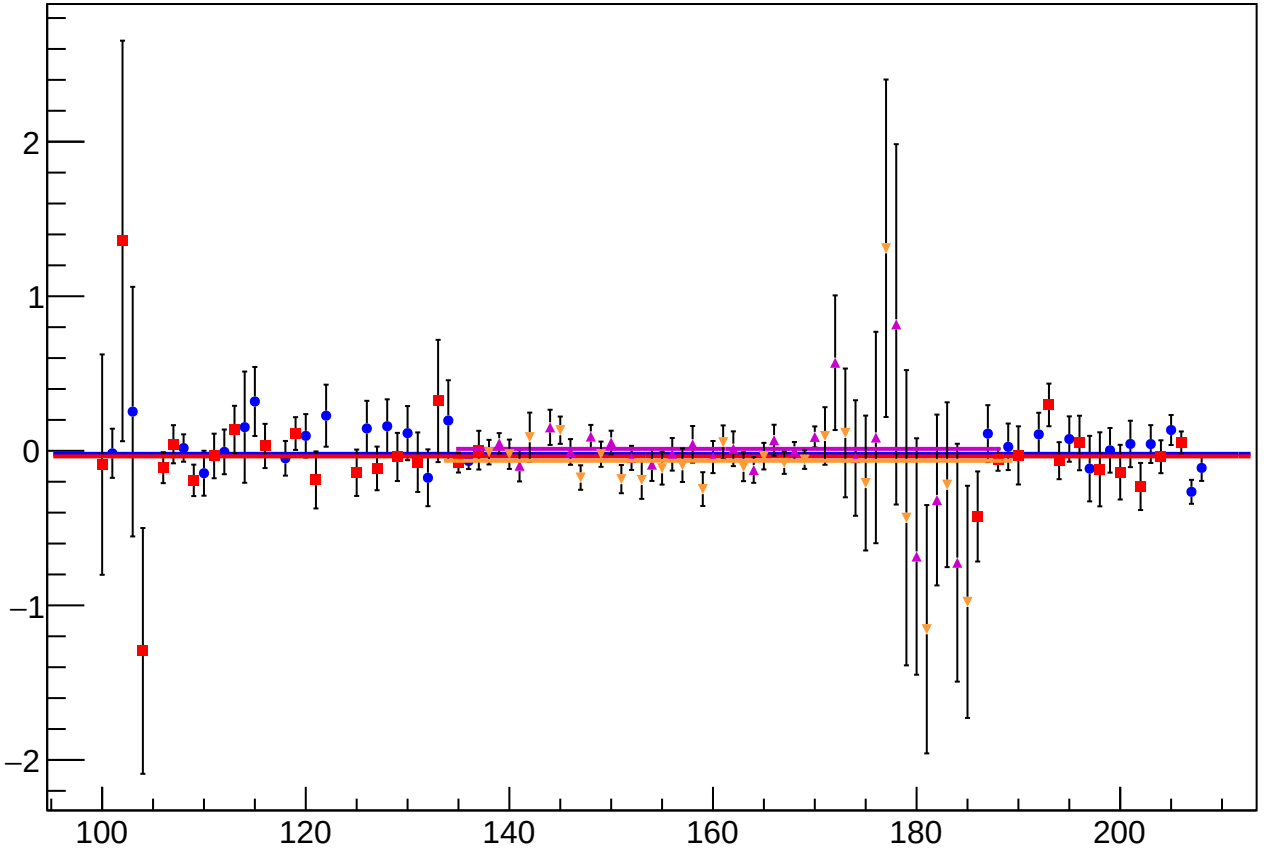
Right: 82.274+/-0.012 χ^2/NDF: 10655017.6/55

In: 78.533+/-0.011 χ^2/NDF:13291192.1/49

Out: 78.884+/-0.011 χ^2/NDF:14393030.7/52

All: 78.705+/-0.008 χ^2/NDF: 27684702.8/102

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

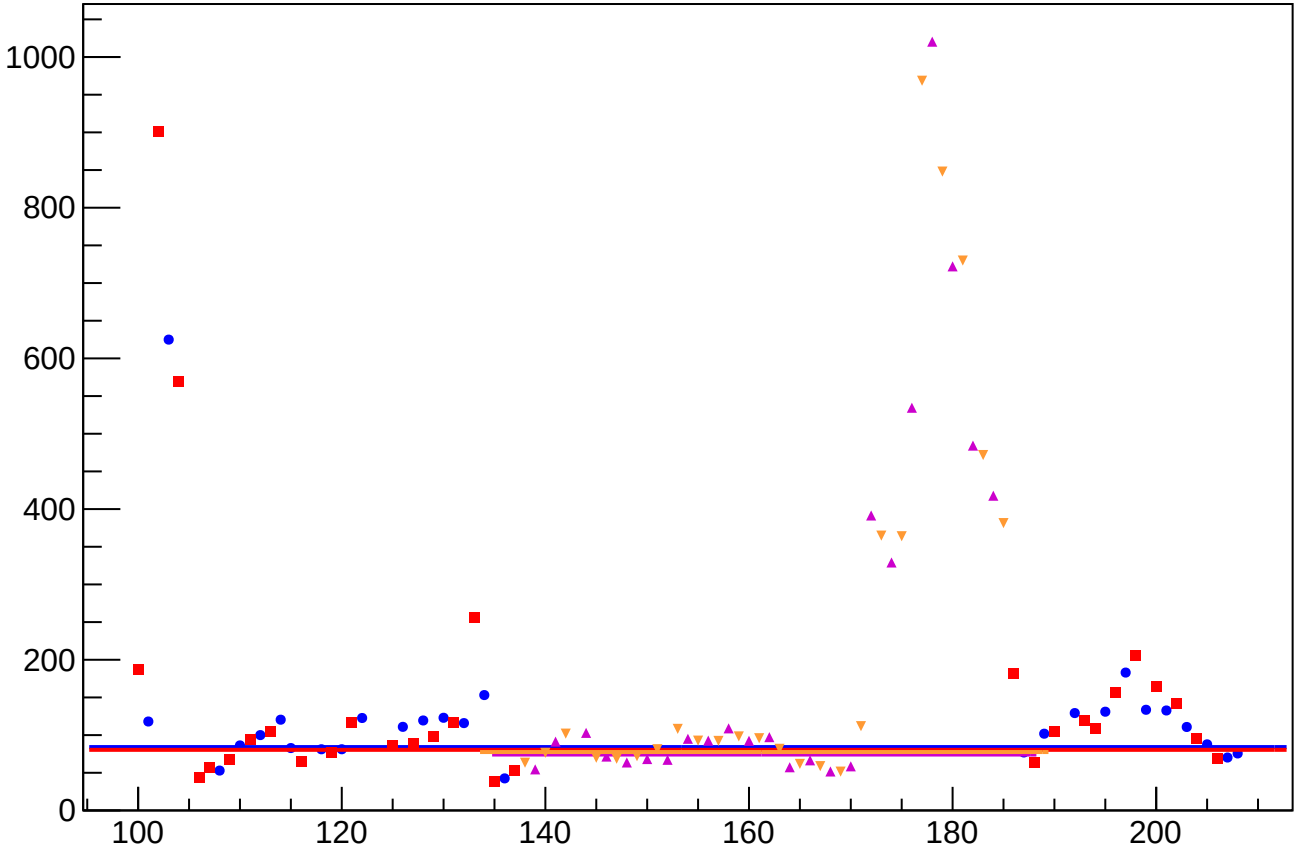
Right: -0.028+/-0.017 χ^2/NDF: 51.8/55

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.026+/-0.011 χ^2/NDF: 95.6/102

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

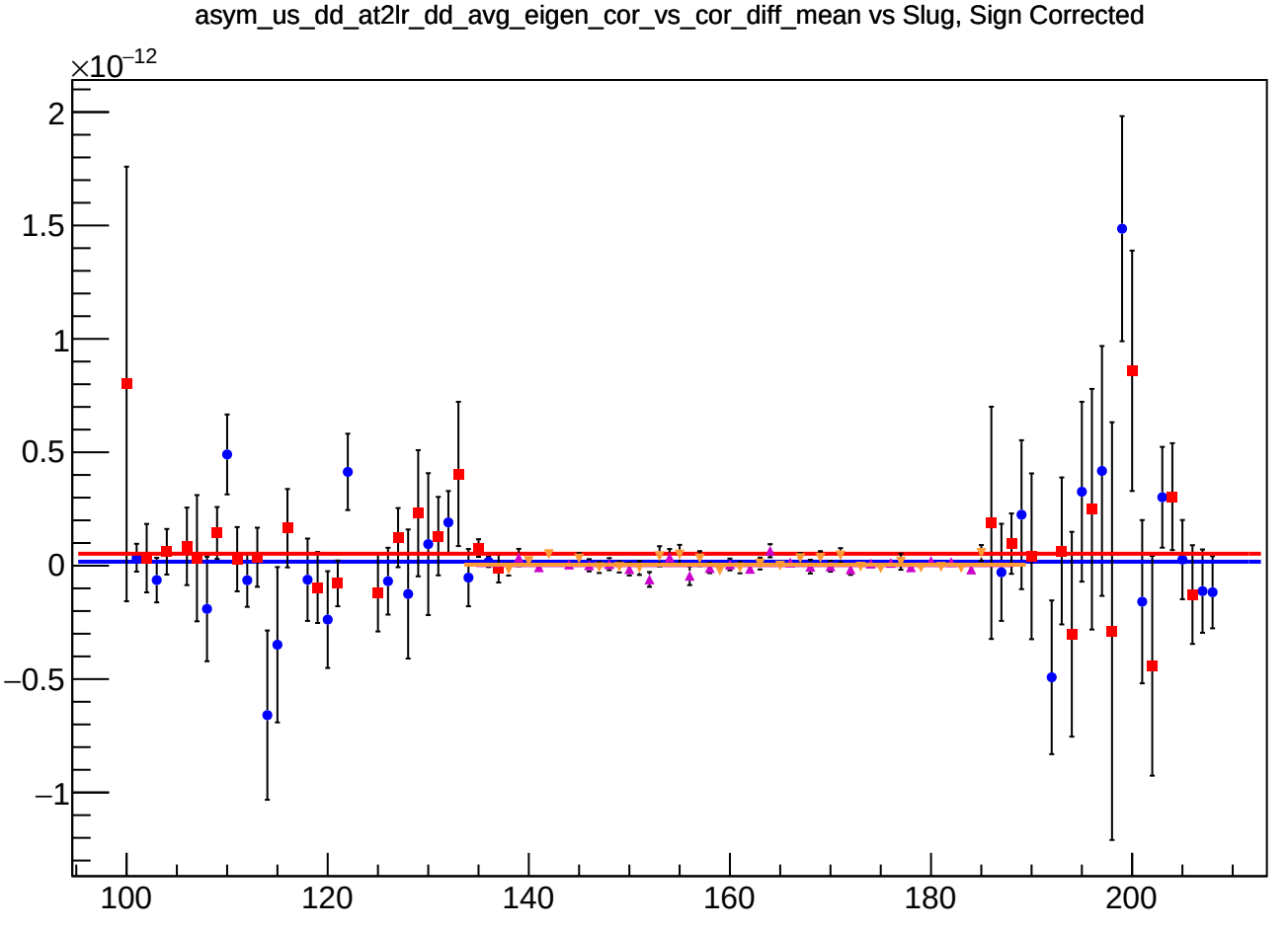
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 82.274+/-0.012 χ^2/NDF: 10655017.6/55

In: 78.533+/-0.011 χ^2/NDF:13291192.1/49

Out: 78.884+/-0.011 χ^2/NDF:14393030.7/52

All: 78.705+/-0.008 χ^2/NDF: 27684702.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

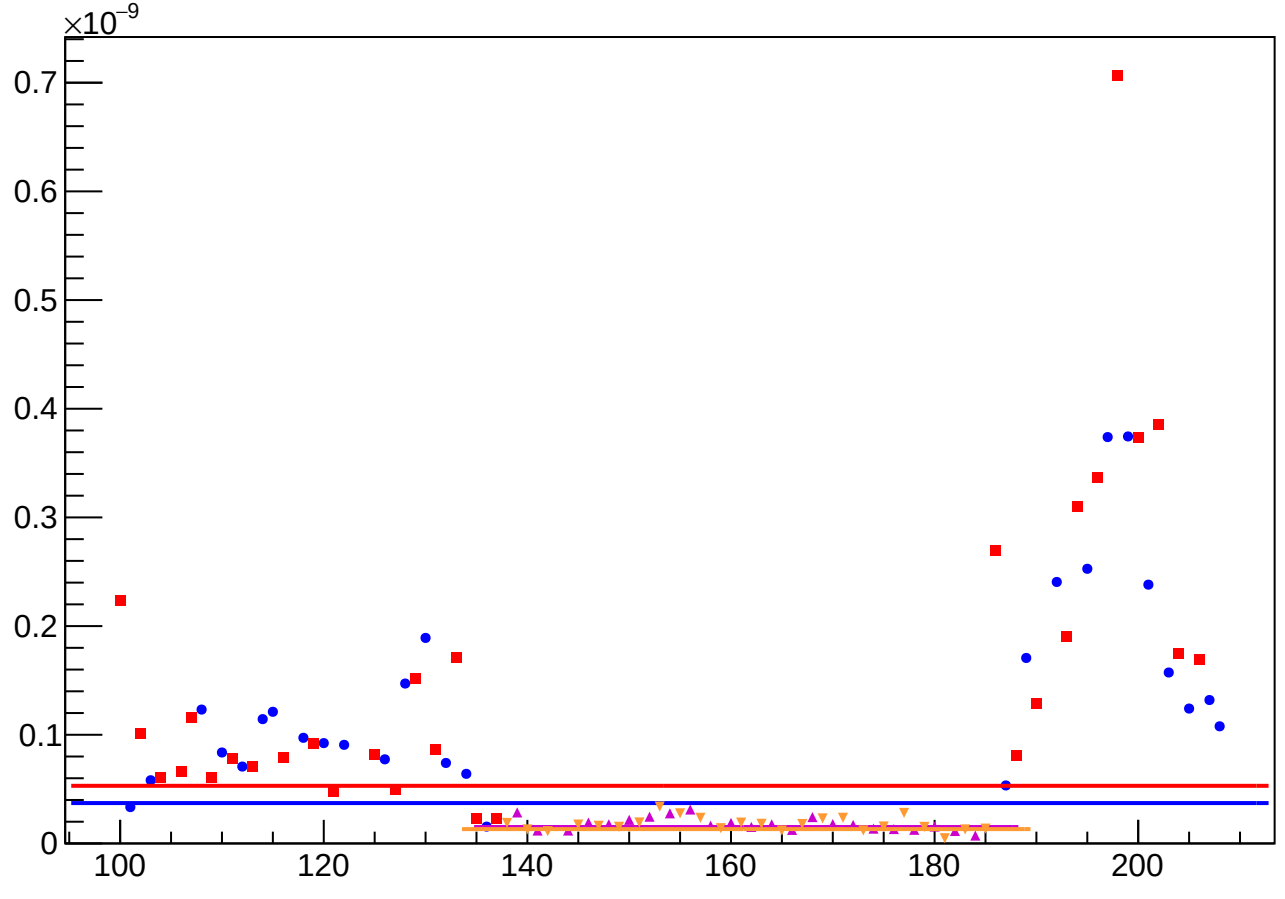
Right: 0.000+/-0.000 χ^2/NDF: 55.7/55

In: 0.000+/-0.000 χ^2/NDF:57.2/49

Out: 0.000+/-0.000 χ^2/NDF:41.0/52

All: 0.000+/-0.000 χ^2/NDF: 98.3/102

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10328342.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8926577.0/28

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

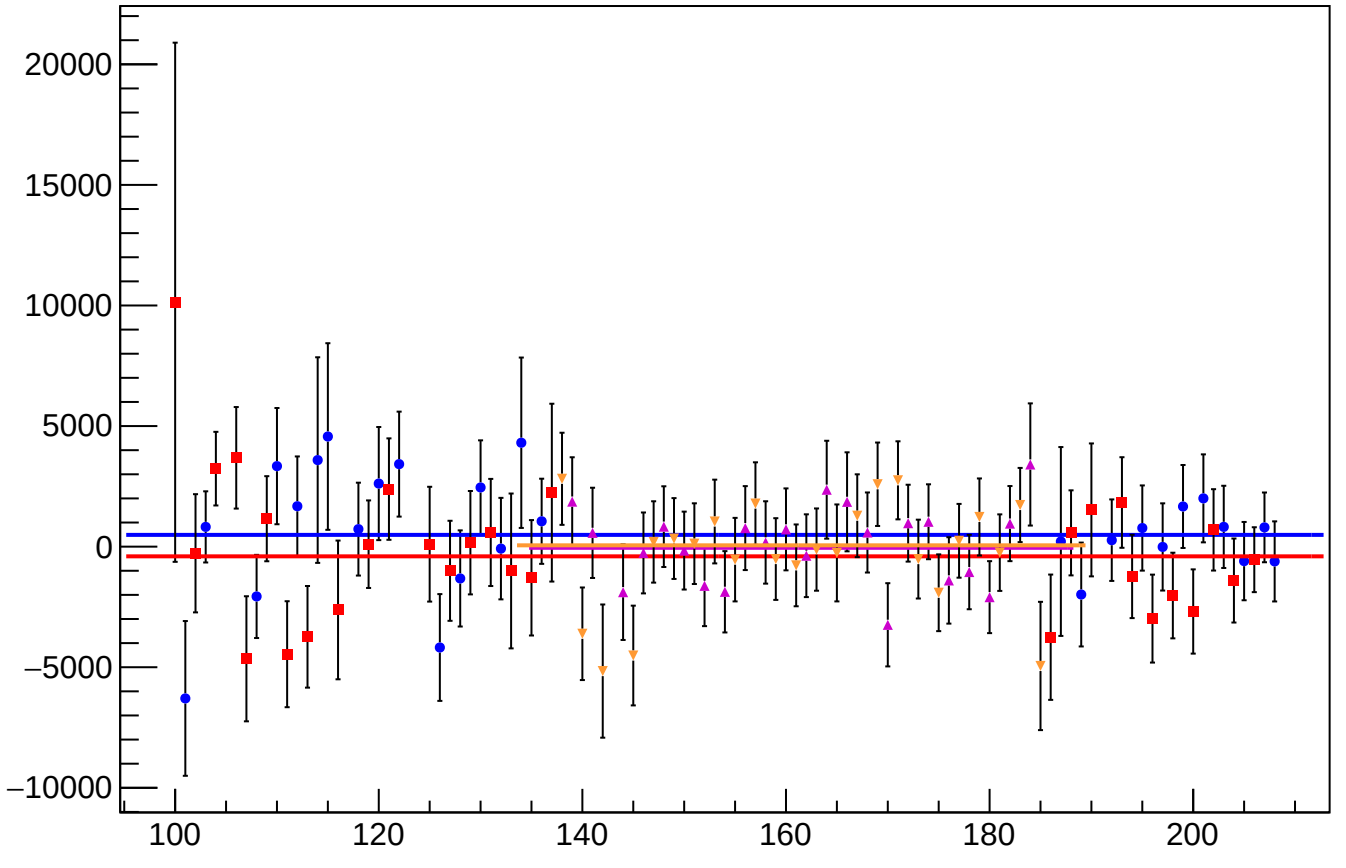
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 19804312.7/55

In: 0.000+/-0.000 χ^2/NDF:15089147.0/49

Out: 0.000+/-0.000 χ^2/NDF:18570740.3/52

All: 0.000+/-0.000 χ^2/NDF: 33852541.9/102



Right In: 487.786+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -401.898+/-379.149 χ^2/NDF: 32.7/28

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

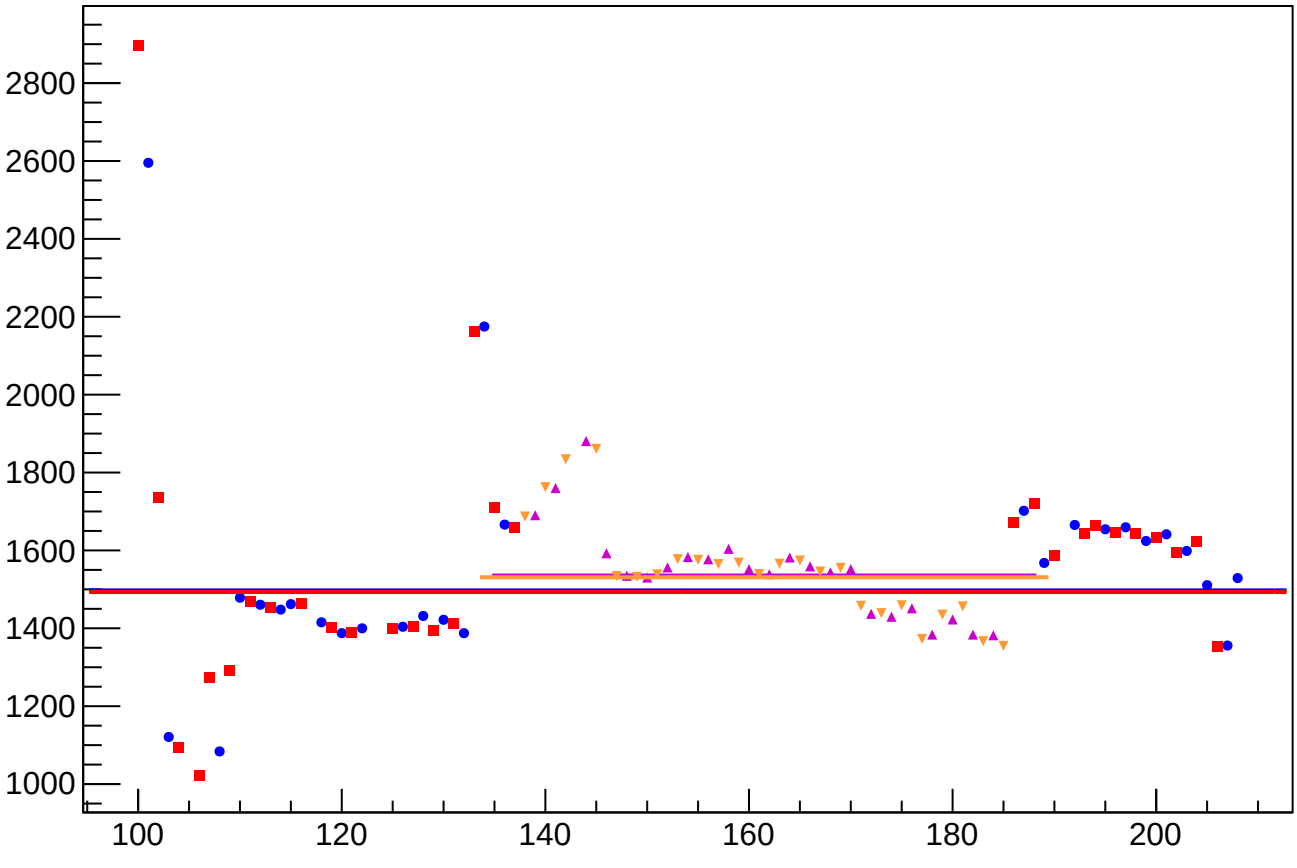
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 40.783+/-268.749 χ^2/NDF: 59.4/55

In: 204.282+/-261.486 χ^2/NDF:41.8/49

Out: -159.438+/-259.673 χ^2/NDF:62.0/52

All: 21.157+/-184.254 χ^2/NDF: 104.7/102



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.4/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1493.116+/-0.268 χ^2/NDF: 622378.8/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

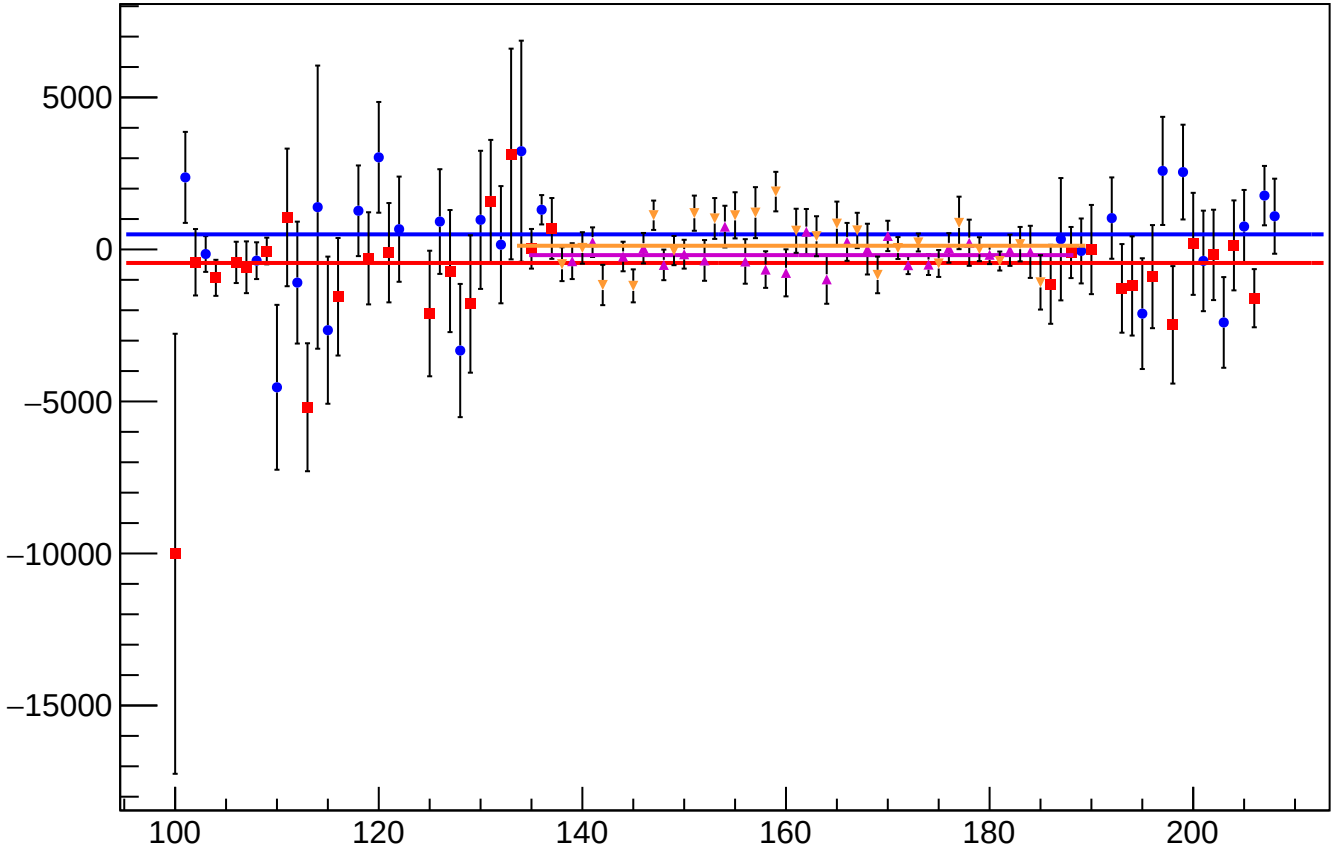
Right: 1495.261+/-0.190 χ^2/NDF: 1330855.7/55

In: 1517.593+/-0.185 χ^2/NDF:911374.3/49

Out: 1513.217+/-0.184 χ^2/NDF:836506.3/52

All: 1515.390+/-0.130 χ^2/NDF: 1748162.5/10

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 496.055+/-229.053 χ^2/NDF: 31.0/26

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -444.968+/-201.636 χ^2/NDF: 18.2/28

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

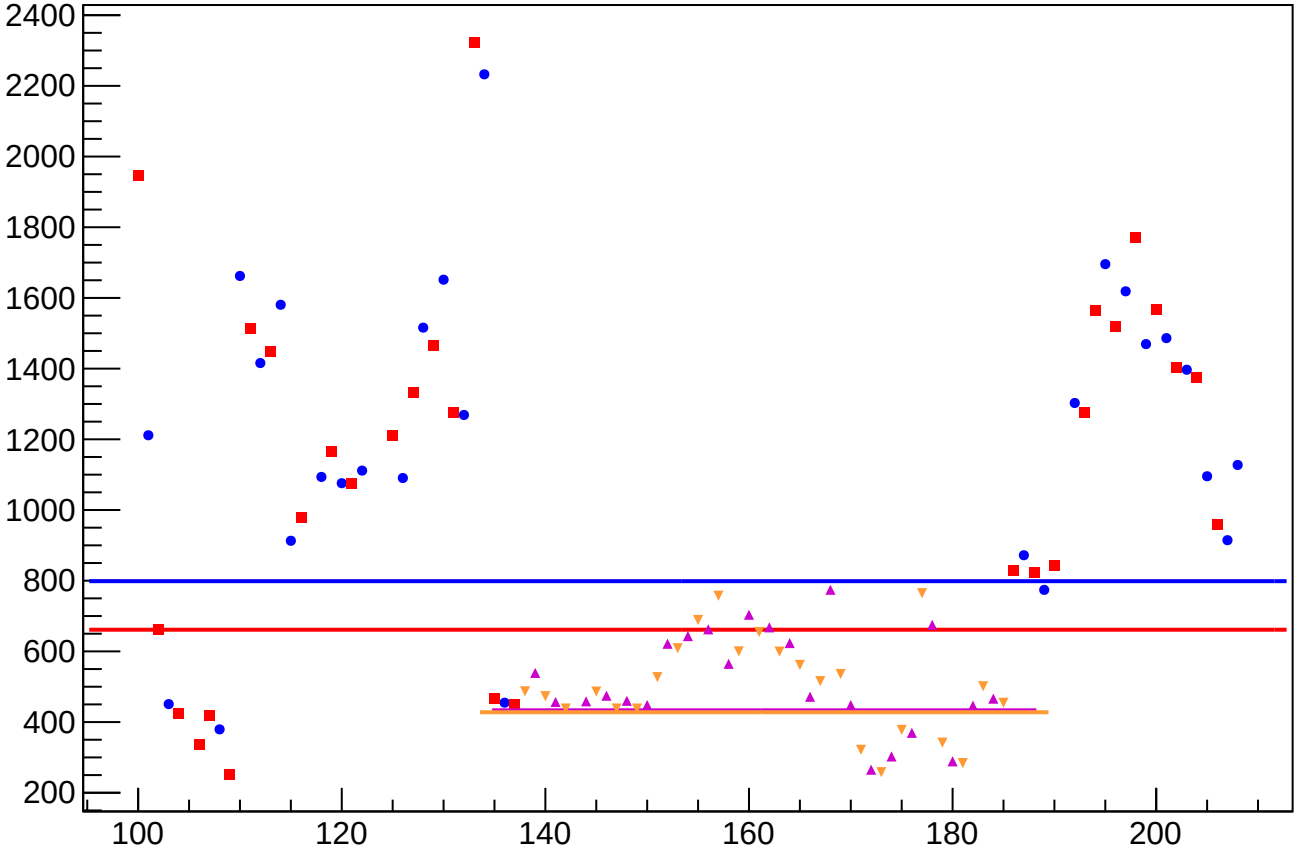
Right: -34.120+/-151.348 χ^2/NDF: 58.7/55

In: -64.549+/-96.926 χ^2/NDF:49.9/49

Out: 0.415+/-93.171 χ^2/NDF:68.0/52

All: -30.784+/-67.170 χ^2/NDF: 118.1/102

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 798.632+/-0.162 χ^2/NDF: 6983422.8/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 661.284+/-0.143 χ^2/NDF: 9278854.3/28

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

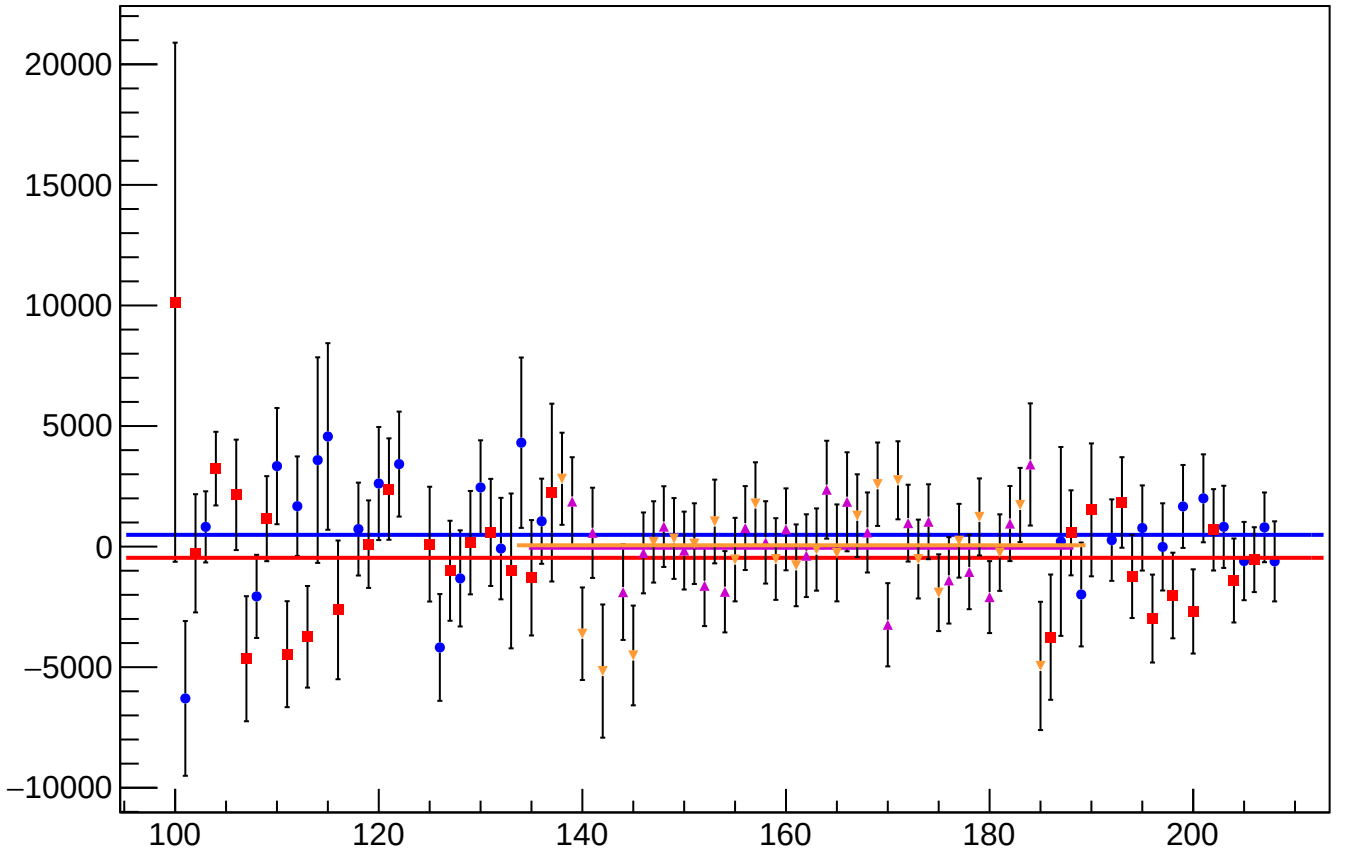
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

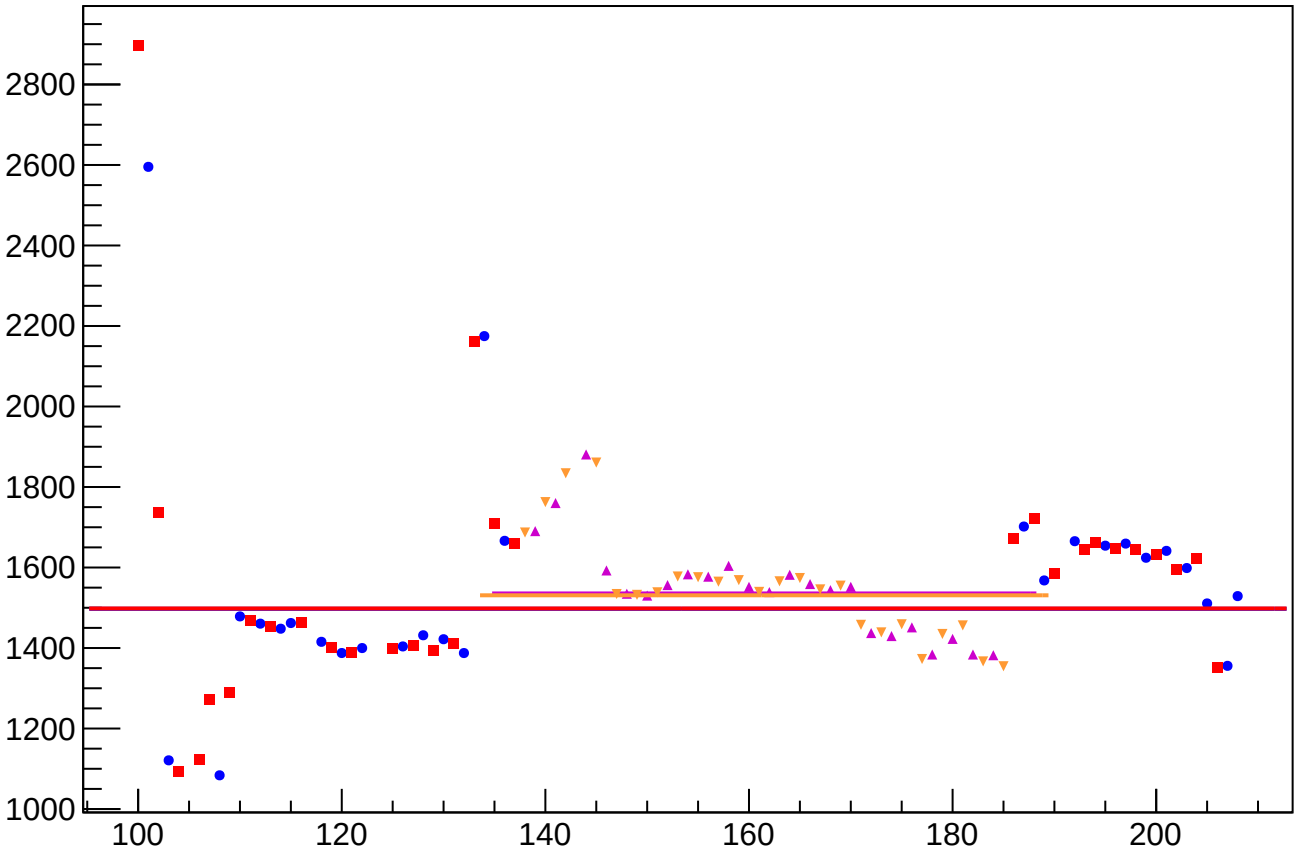
Right: 721.250+/-0.107 χ^2/NDF: 16667429.4/55

In: 498.704+/-0.069 χ^2/NDF:14408585.5/49

Out: 477.664+/-0.066 χ^2/NDF:14575867.0/52

All: 487.768+/-0.047 χ^2/NDF: 29033433.6/10


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 487.827+/-380.995 χ²/NDF: 23.9/26
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -465.000+/-380.104 χ²/NDF: 30.2/28
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 10.297+/-269.089 χ²/NDF: 57.3/55
In: 204.260+/-261.486 χ²/NDF:41.8/49
Out: -188.405+/-259.979 χ²/NDF:59.6/52
All: 6.793+/-184.363 χ²/NDF: 102.5/102



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

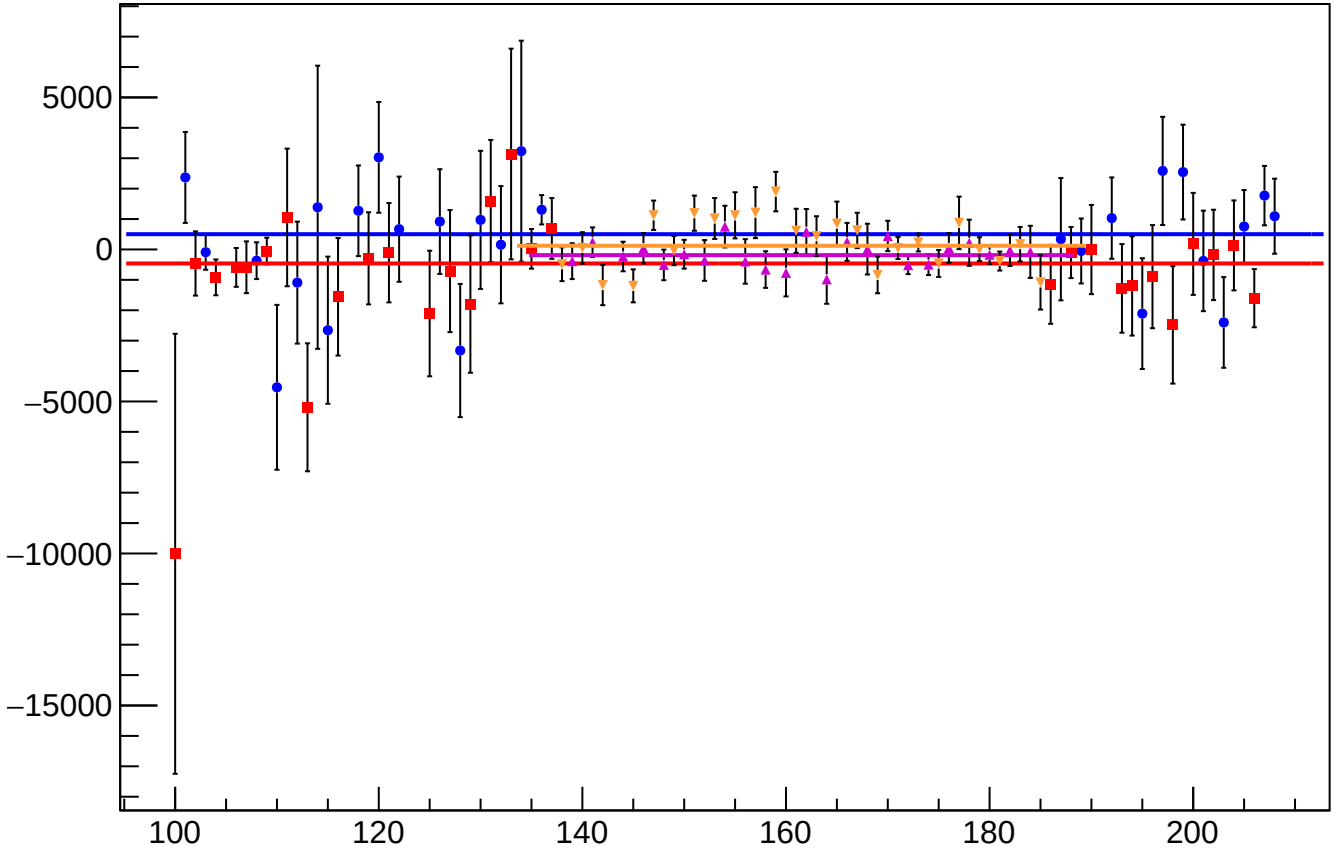
Right: 1497.824+/-0.190 χ^2/NDF: 1283097.2/55

In: 1517.593+/-0.185 χ^2/NDF:911374.7/49

Out: 1515.652+/-0.184 χ^2/NDF:786188.1/52

All: 1516.617+/-0.130 χ^2/NDF: 1697618.2/10

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -461.408+/-200.095 χ^2/NDF: 18.2/28

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

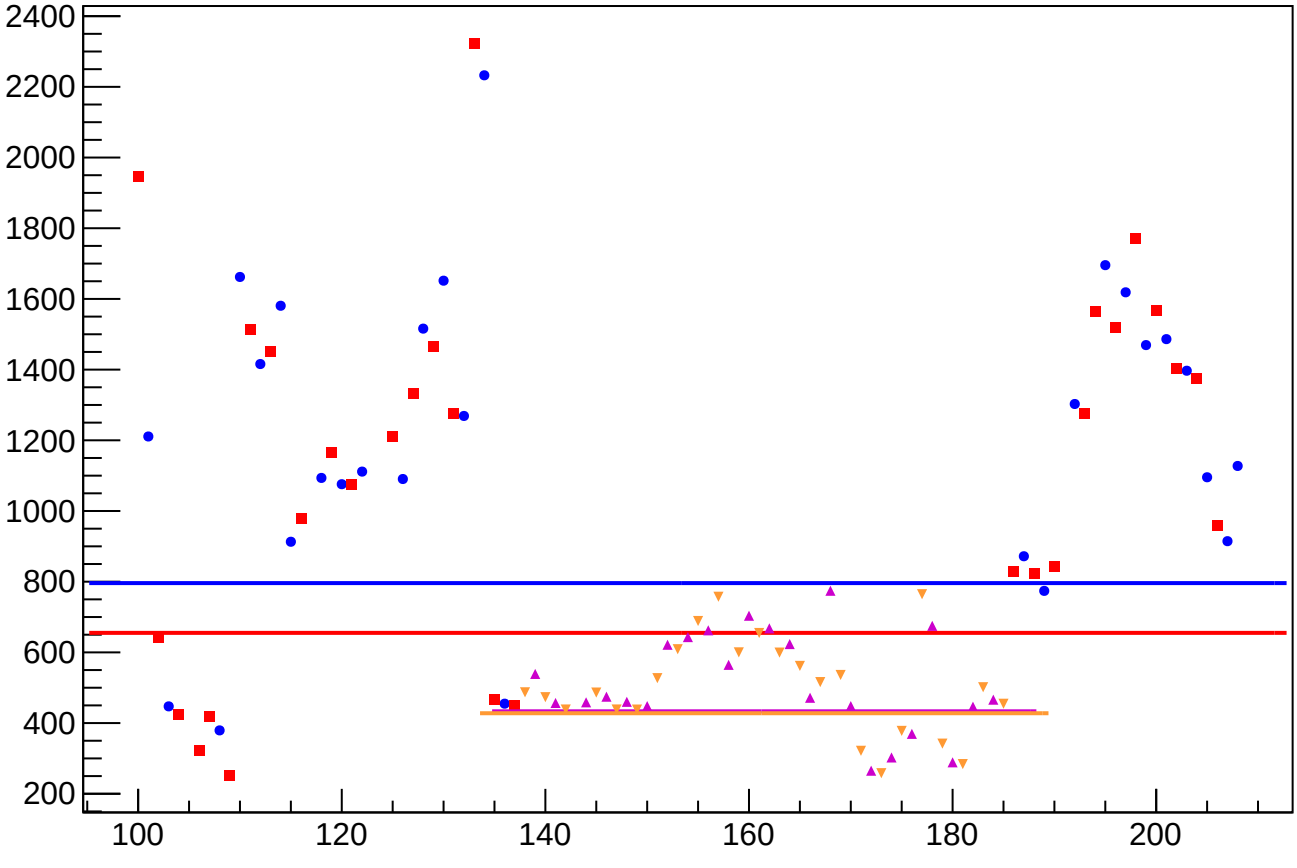
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: -43.158+/-150.500 χ^2/NDF: 59.1/55

In: -63.113+/-96.874 χ^2/NDF:49.9/49

Out: -4.606+/-93.018 χ^2/NDF:68.5/52

All: -32.672+/-67.096 χ^2/NDF: 118.5/102



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

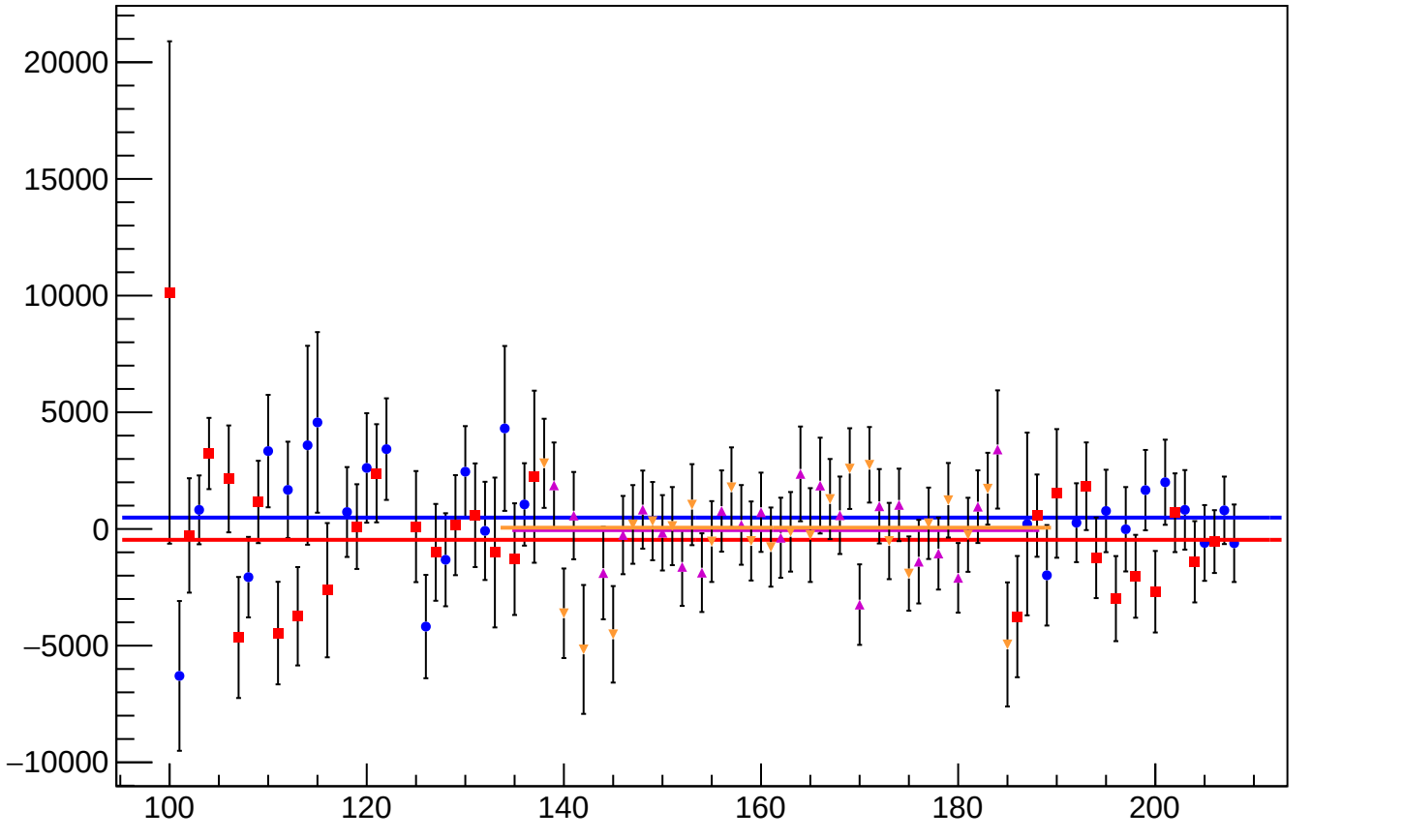
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

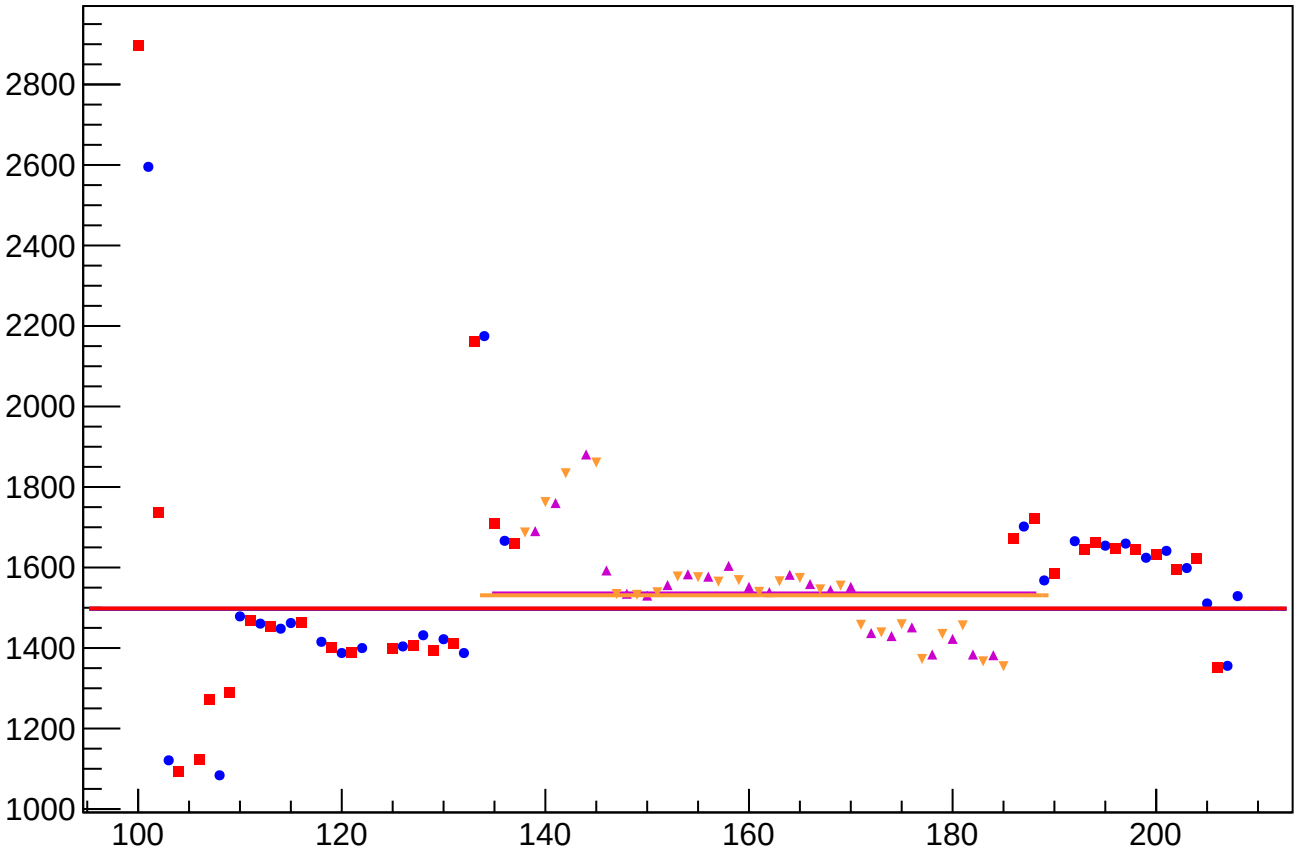
Right: 716.357+/-0.106 χ^2/NDF: 16839690.5/55

In: 498.553+/-0.069 χ^2/NDF:14410669.3/49

Out: 476.954+/-0.066 χ^2/NDF:14597466.7/52

All: 487.315+/-0.047 χ^2/NDF: 29059868.3/10


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 487.827+/-380.995 χ²/NDF: 23.9/26
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -465.000+/-380.104 χ²/NDF: 30.2/28
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 10.297+/-269.089 χ²/NDF: 57.3/55
In: 204.260+/-261.486 χ²/NDF:41.8/49
Out: -188.405+/-259.979 χ²/NDF:59.6/52
All: 6.793+/-184.363 χ²/NDF: 102.5/102



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

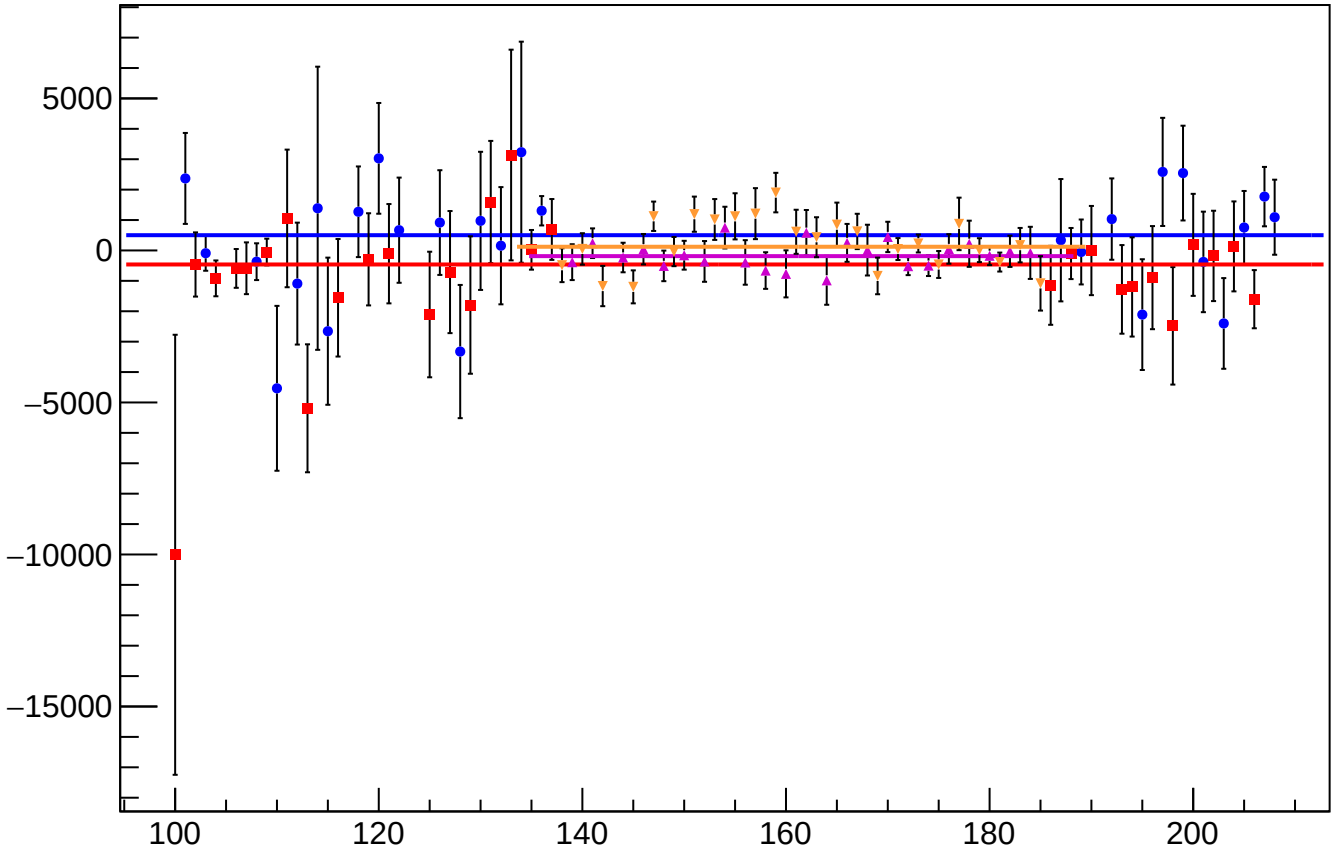
Right: 1497.824+/-0.190 χ^2/NDF: 1283097.2/55

In: 1517.593+/-0.185 χ^2/NDF:911374.7/49

Out: 1515.652+/-0.184 χ^2/NDF:786188.1/52

All: 1516.617+/-0.130 χ^2/NDF: 1697618.2/10

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -461.408+/-200.095 χ^2/NDF: 18.2/28

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

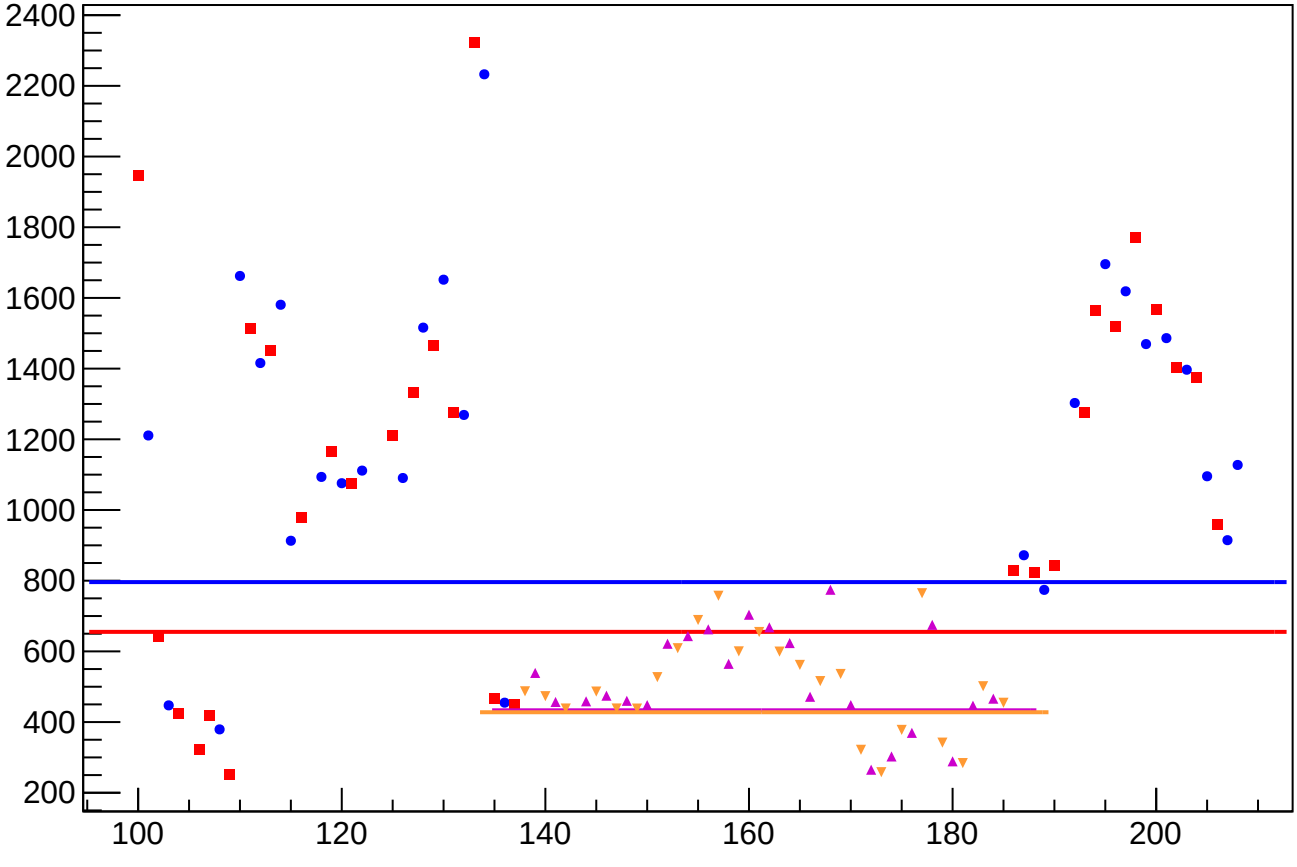
Right: -43.158+/-150.500 χ^2/NDF: 59.1/55

In: -63.113+/-96.874 χ^2/NDF:49.9/49

Out: -4.606+/-93.018 χ^2/NDF:68.5/52

All: -32.672+/-67.096 χ^2/NDF: 118.5/102

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

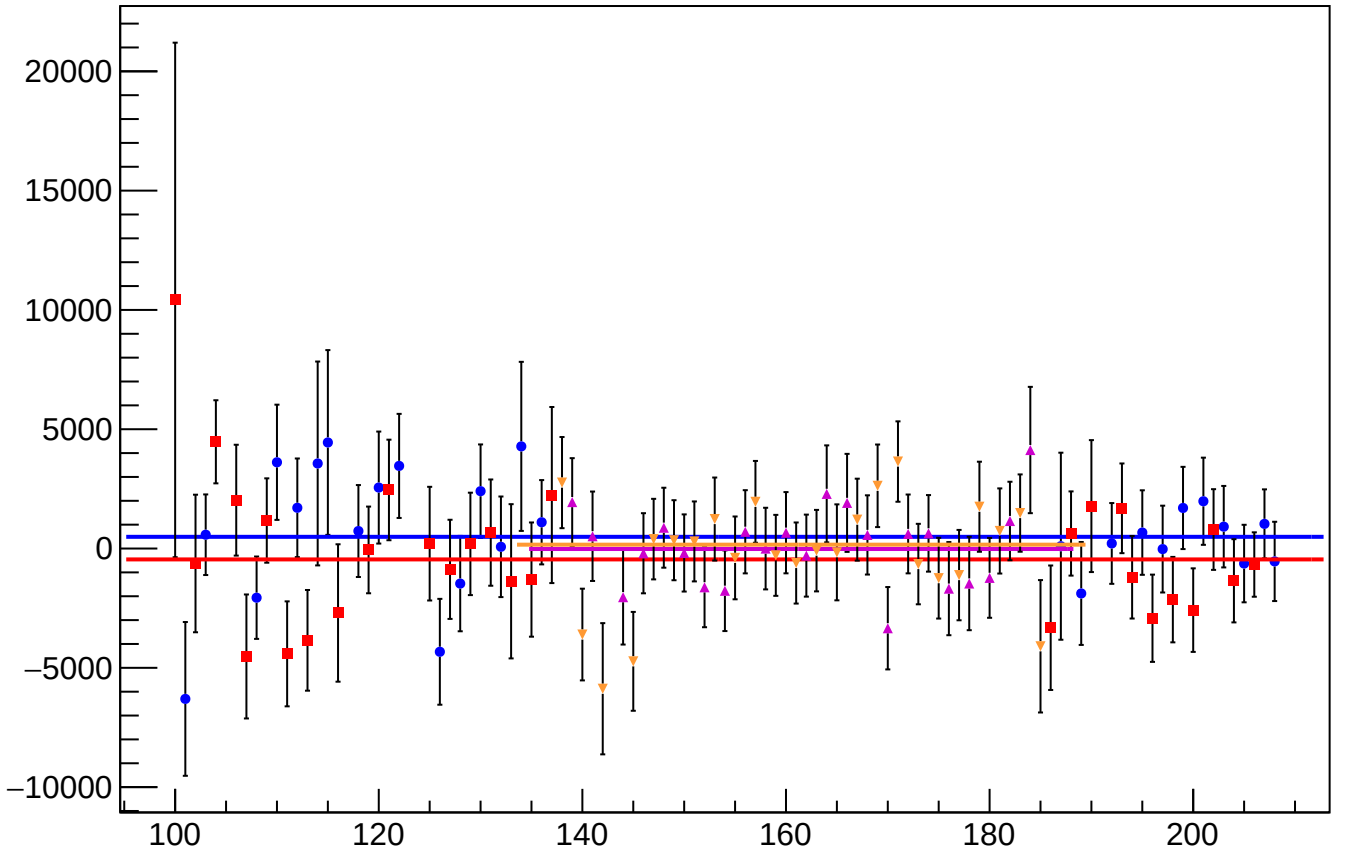
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

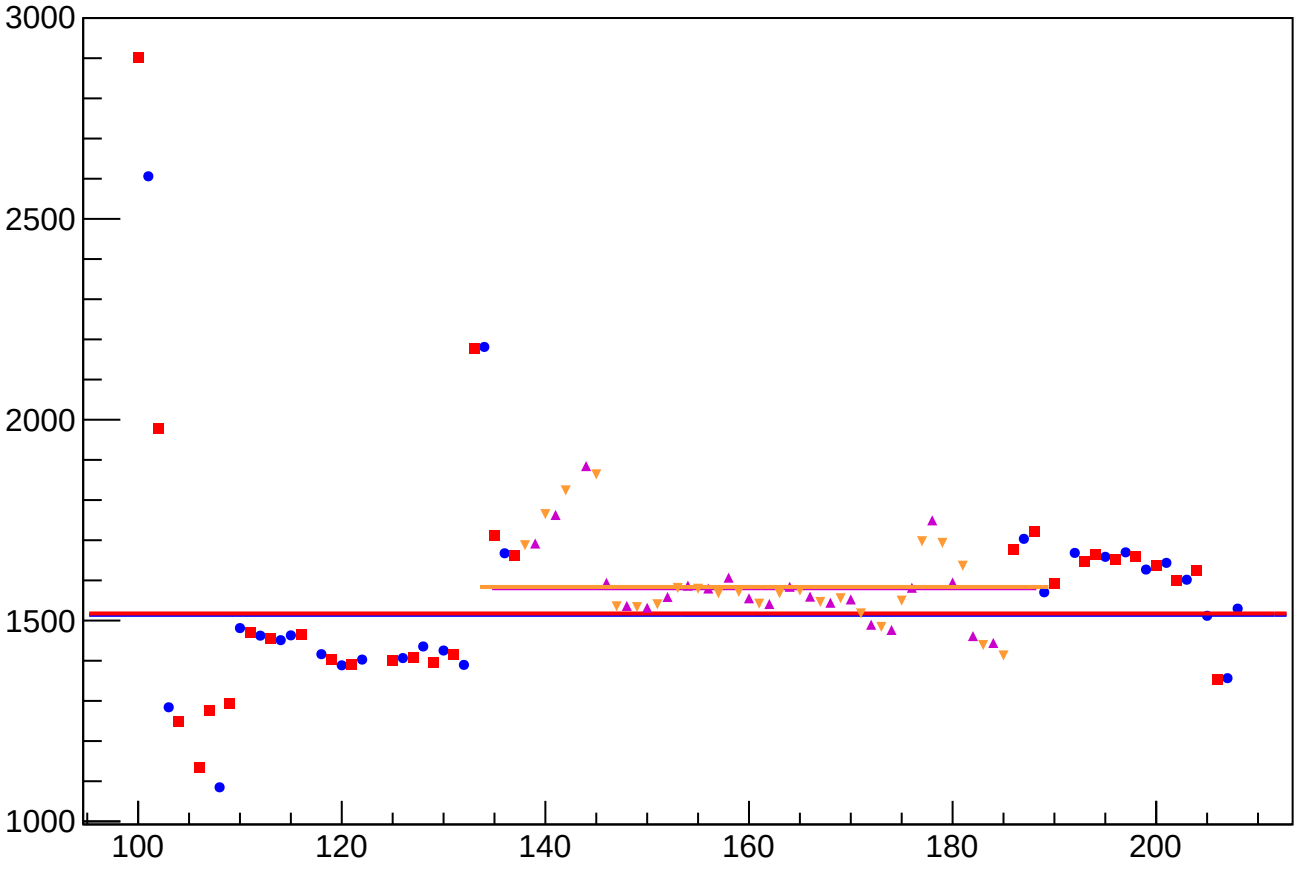
Right: 716.357+/-0.106 χ^2/NDF: 16839690.5/55

In: 498.553+/-0.069 χ^2/NDF:14410669.3/49

Out: 476.954+/-0.066 χ^2/NDF:14597466.7/52

All: 487.315+/-0.047 χ^2/NDF: 29059868.3/10


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 490.615+/-384.666 χ²/NDF: 24.4/26
Left Out: 161.591+/-368.366 χ²/NDF:29.9/23
Right Out: -456.314+/-385.101 χ²/NDF: 31.8/28
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: 17.686+/-272.153 χ²/NDF: 59.2/55
In: 225.106+/-266.581 χ²/NDF:41.3/49
Out: -133.644+/-266.194 χ²/NDF:63.1/52
All: 45.470+/-188.364 χ²/NDF: 105.2/102



Right In: 1514.237+/-0.272 χ^2/NDF: 612128.1/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.9/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

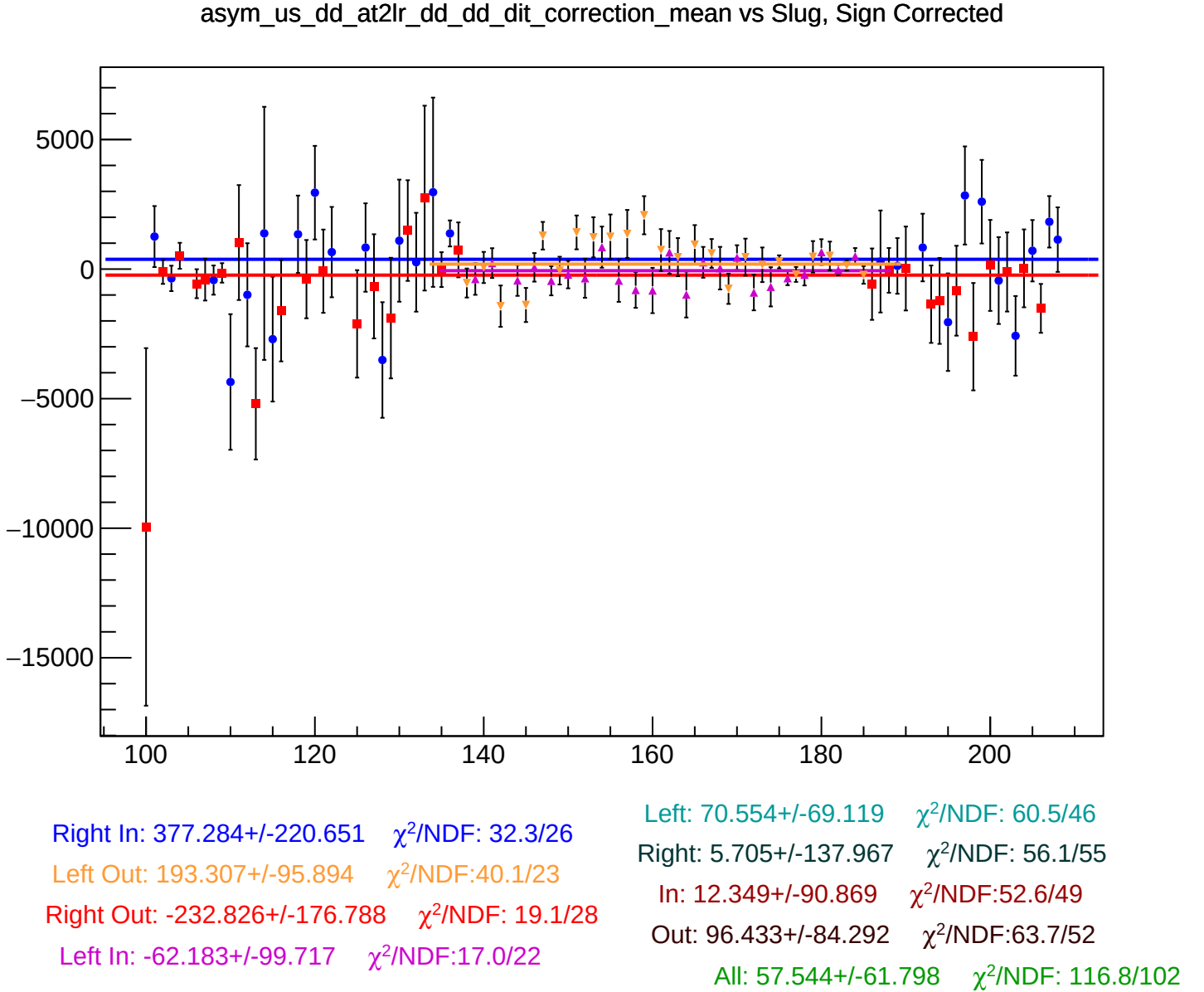
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1515.953+/-0.192 χ^2/NDF: 1121266.6/55

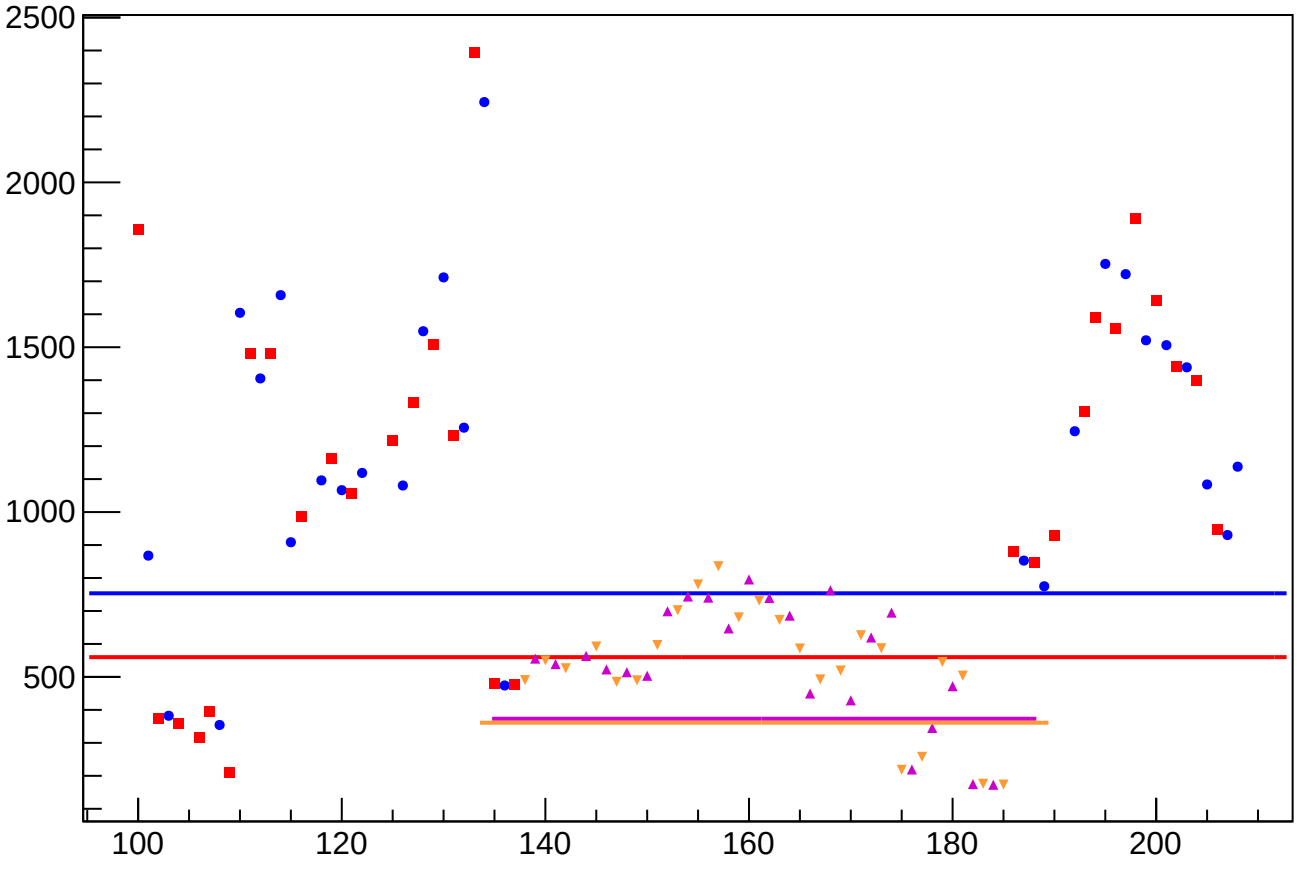
In: 1548.657+/-0.189 χ^2/NDF:768685.0/49

Out: 1552.138+/-0.188 χ^2/NDF:673318.7/52

All: 1550.400+/-0.133 χ^2/NDF: 1442174.4/10


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 377.284+/-220.651 χ²/NDF: 32.3/26
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -232.826+/-176.788 χ²/NDF: 19.1/28
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: 5.705+/-137.967 χ²/NDF: 56.1/55
In: 12.349+/-90.869 χ²/NDF:52.6/49
Out: 96.433+/-84.292 χ²/NDF:63.7/52
All: 57.544+/-61.798 χ²/NDF: 116.8/102

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 753.612+/-0.156 χ^2/NDF: 7705021.6/26

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 559.979+/-0.125 χ^2/NDF: 11410748.0/28

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

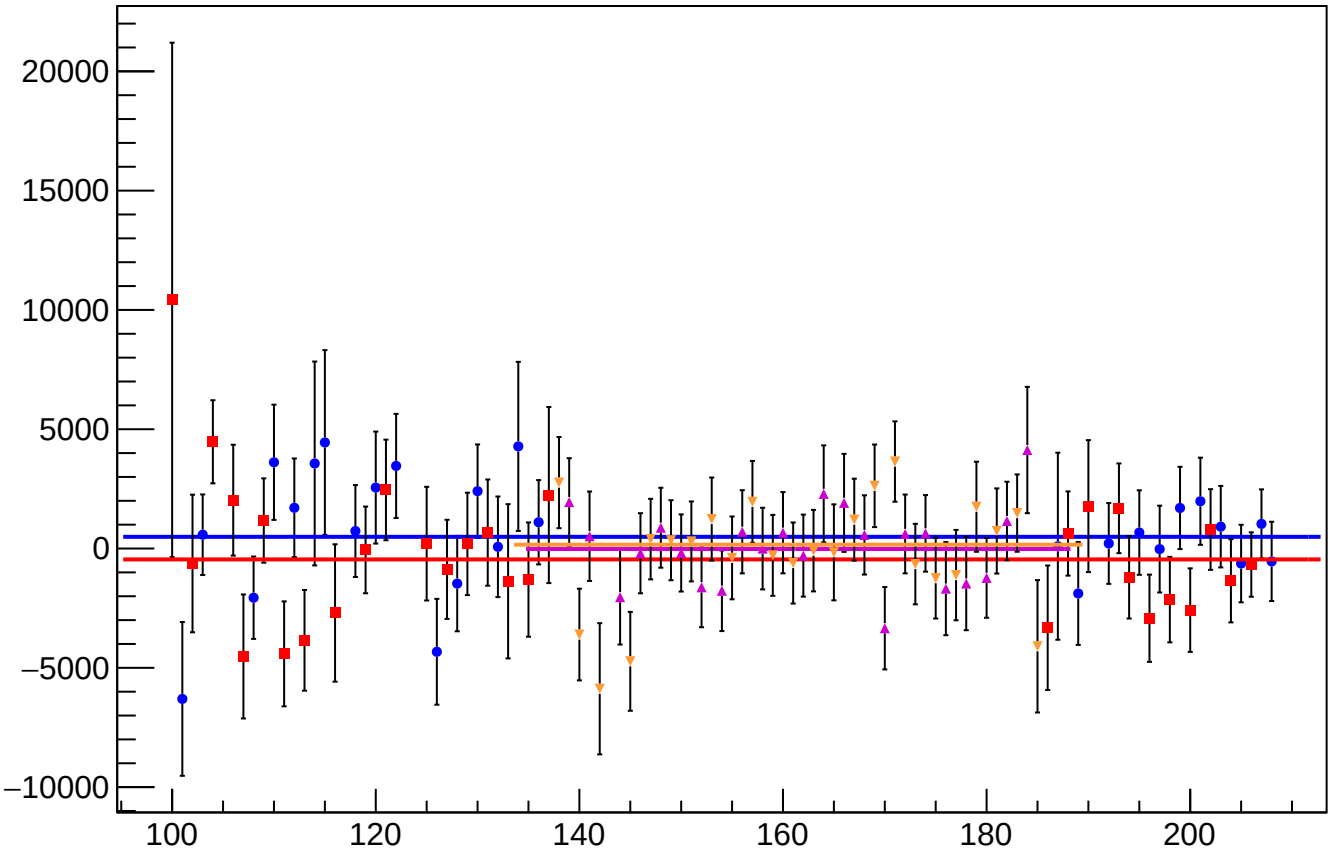
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 635.683+/-0.098 χ^2/NDF: 20053802.4/55

In: 437.667+/-0.064 χ^2/NDF:20850385.8/49

Out: 406.312+/-0.060 χ^2/NDF:21549545.8/52

All: 420.814+/-0.044 χ^2/NDF: 42527924.8/10



Right In: 490.611+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -456.312+/-385.101 χ^2/NDF: 31.8/28

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

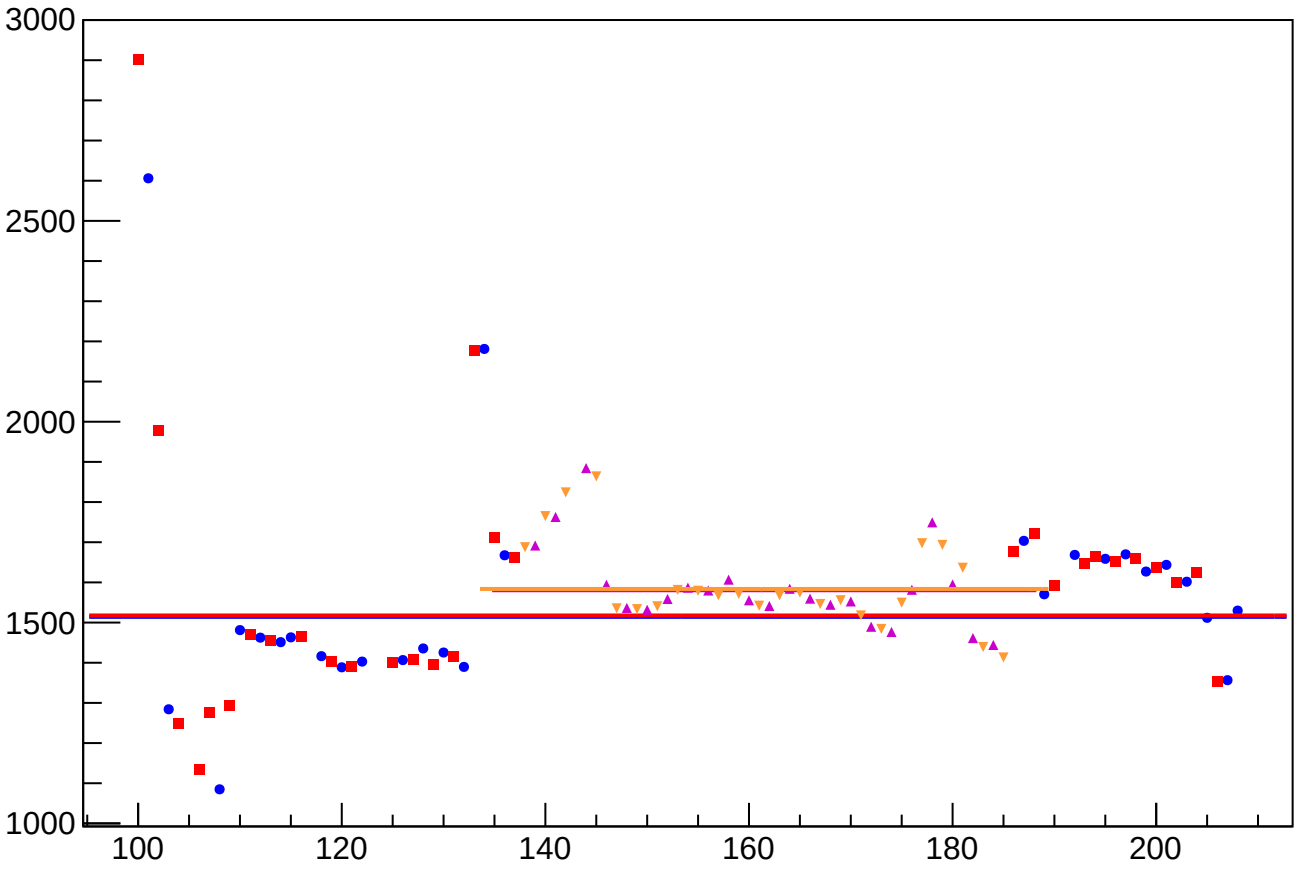
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 17.685+/-272.153 χ^2/NDF: 59.2/55

In: 225.105+/-266.581 χ^2/NDF:41.3/49

Out: -133.645+/-266.194 χ^2/NDF:63.1/52

All: 45.469+/-188.364 χ^2/NDF: 105.2/102



Right In: 1514.237+/-0.272 χ^2/NDF: 612127.6/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.8/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

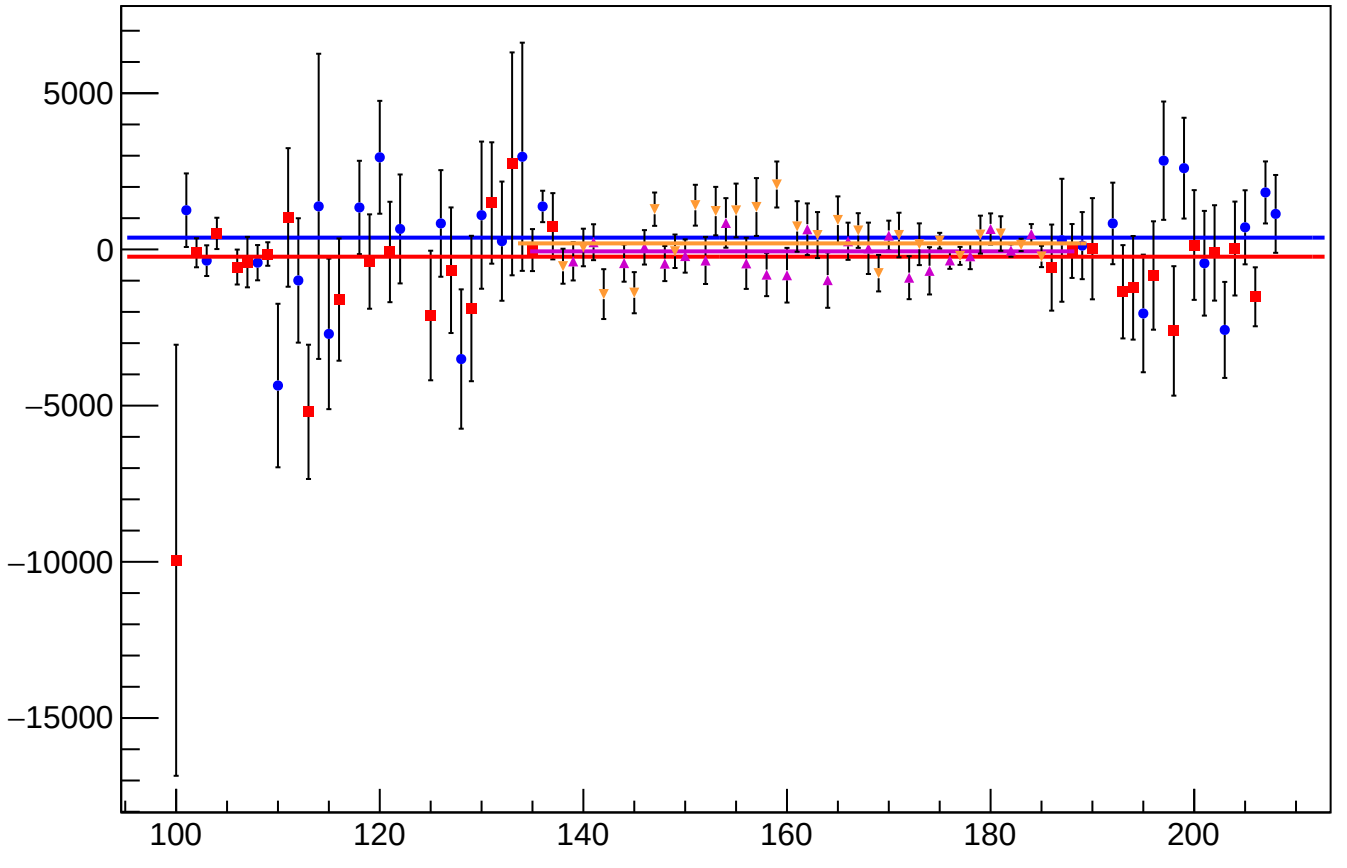
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1515.953+/-0.192 χ^2/NDF: 1121266.1/55

In: 1548.656+/-0.189 χ^2/NDF:768684.2/49

Out: 1552.138+/-0.188 χ^2/NDF:673318.6/52

All: 1550.400+/-0.133 χ^2/NDF: 1442173.7/10



Right In: 377.279+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -232.825+/-176.789 χ^2/NDF: 19.1/28

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

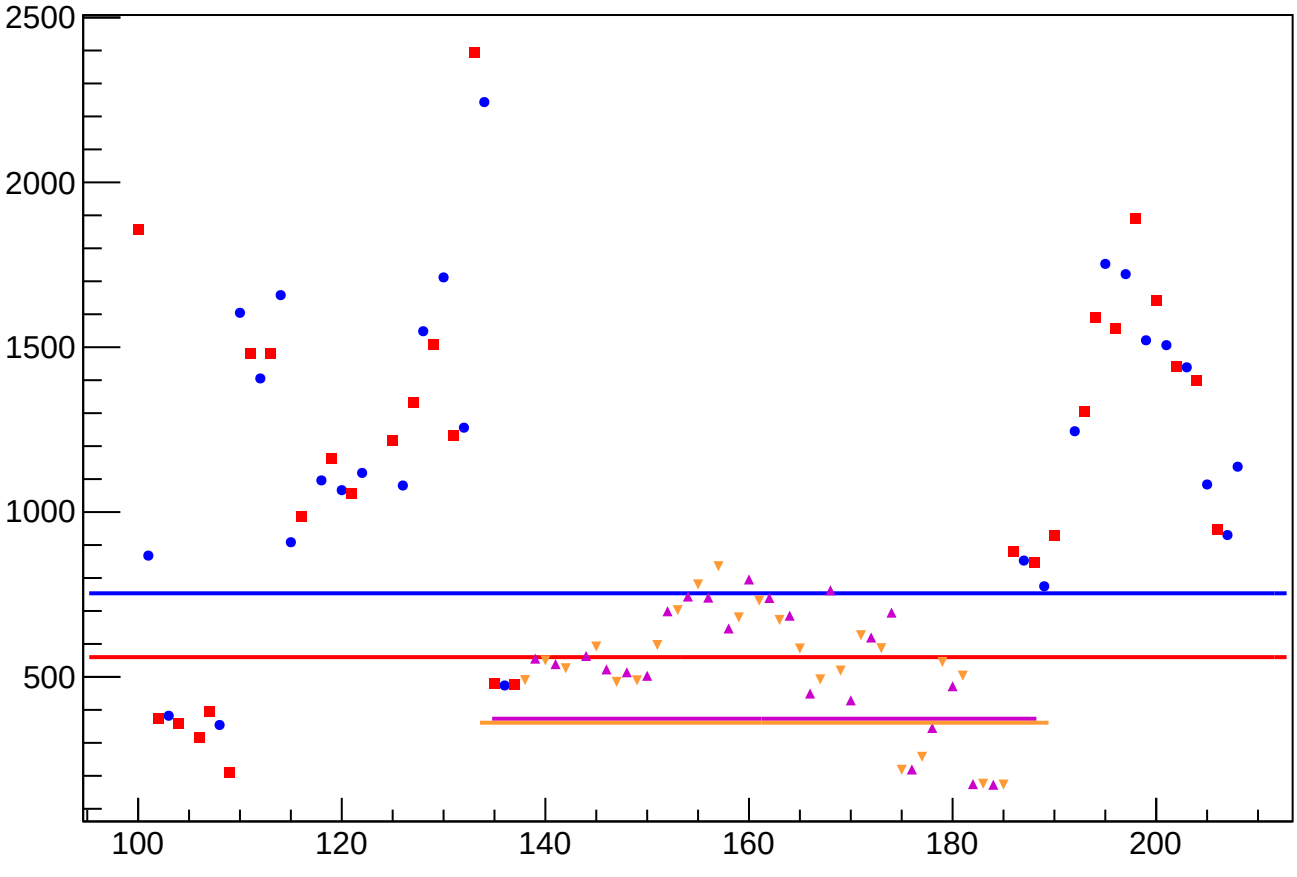
Right: 5.707+/-137.967 χ^2/NDF: 56.1/55

In: 12.351+/-90.869 χ^2/NDF:52.6/49

Out: 96.437+/-84.292 χ^2/NDF:63.7/52

All: 57.547+/-61.798 χ^2/NDF: 116.8/102

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 753.609+/-0.156 χ^2/NDF: 7705043.5/26

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 559.986+/-0.125 χ^2/NDF: 11410579.2/28

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

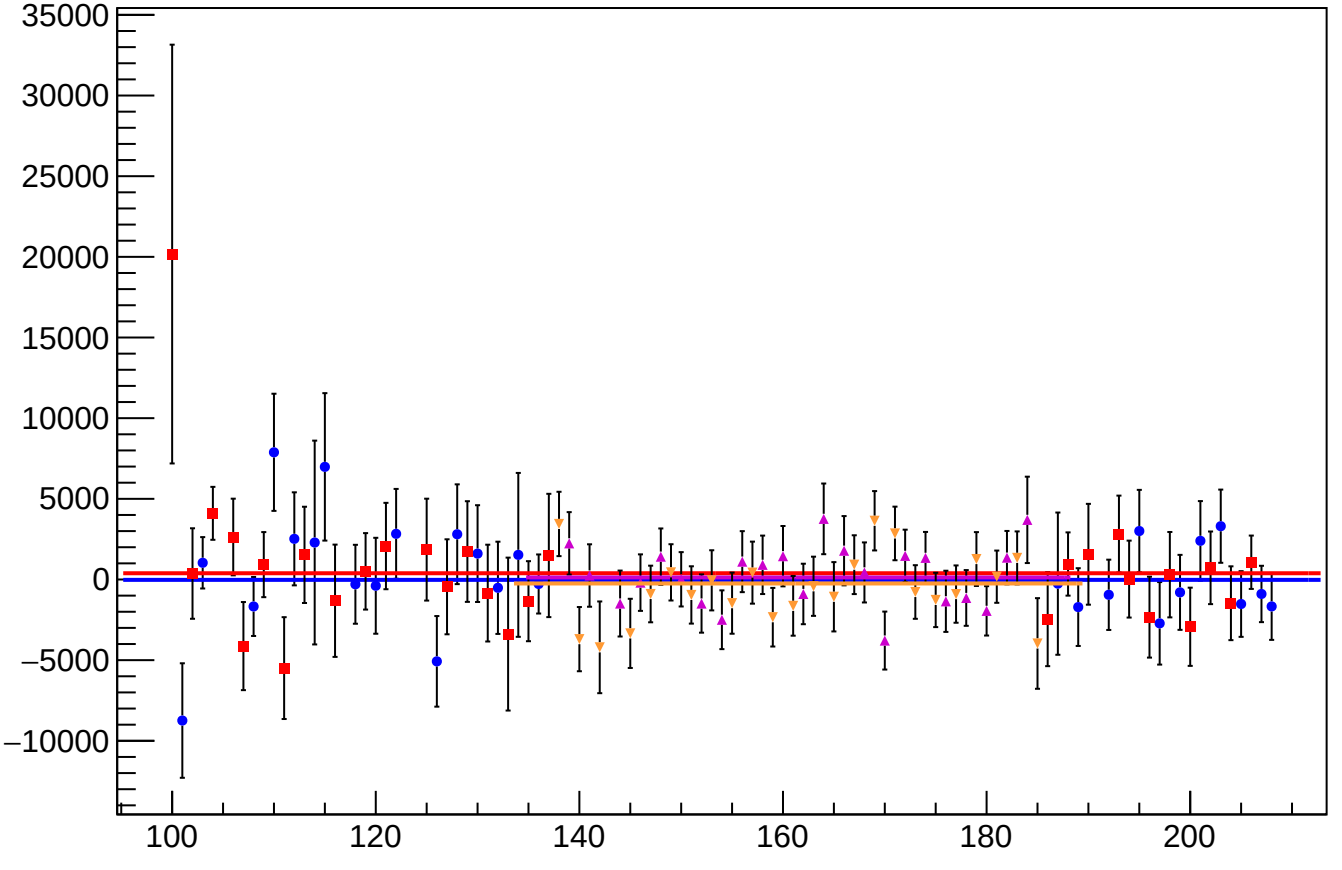
Right: 635.686+/-0.098 χ^2/NDF: 20053564.8/55

In: 437.671+/-0.064 χ^2/NDF:20849980.8/49

Out: 406.316+/-0.060 χ^2/NDF:21549251.7/52

All: 420.818+/-0.044 χ^2/NDF: 42527227.2/10

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: -23.193+/-480.053 χ^2/NDF: 28.7/26

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 387.337+/-474.700 χ^2/NDF: 23.4/28

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

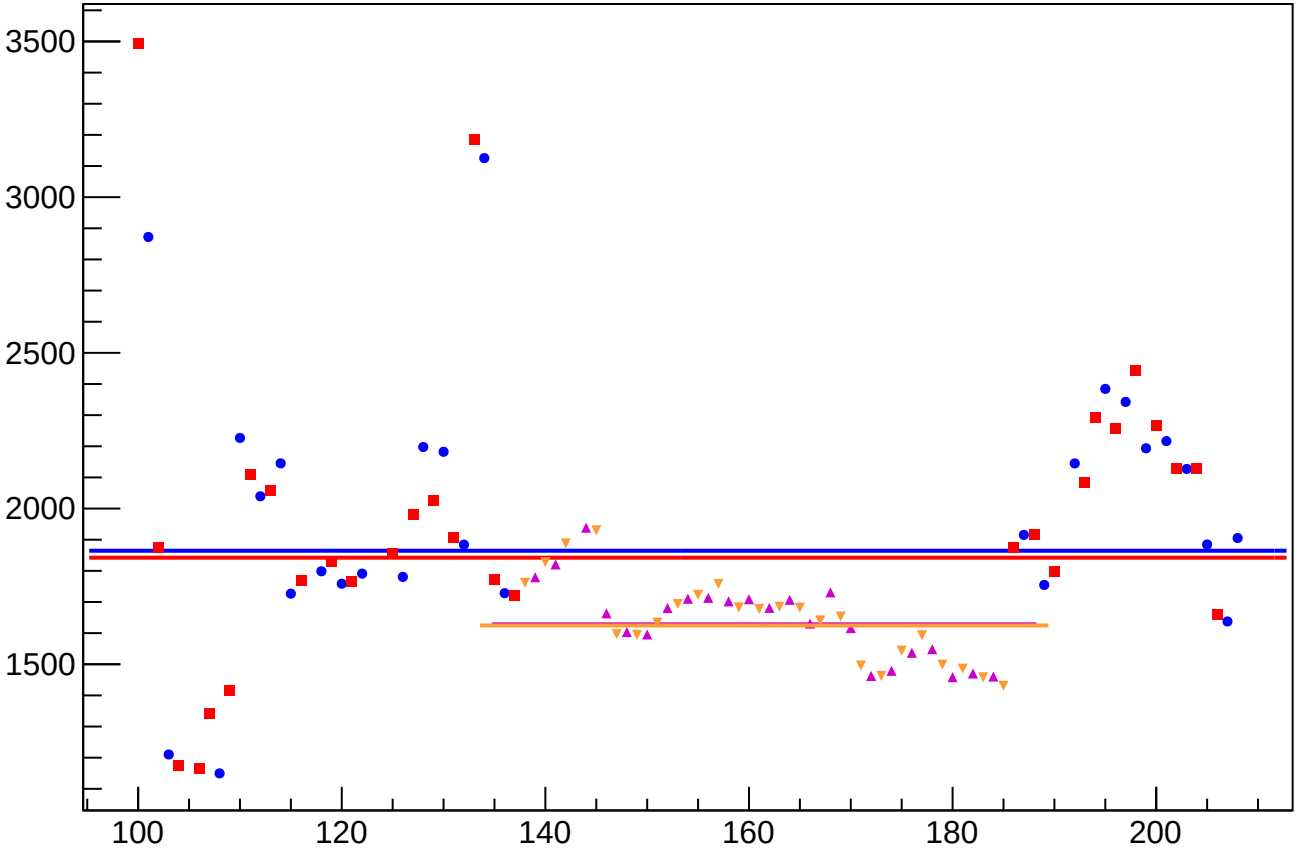
Right: 184.374+/-337.540 χ^2/NDF: 52.5/55

In: 68.355+/-298.578 χ^2/NDF:50.0/49

Out: -0.744+/-295.810 χ^2/NDF:50.5/52

All: 33.484+/-210.141 χ^2/NDF: 100.6/102

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1864.621+/-0.339 χ^2/NDF: 1357779.2/26

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1842.264+/-0.336 χ^2/NDF: 1288150.6/28

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

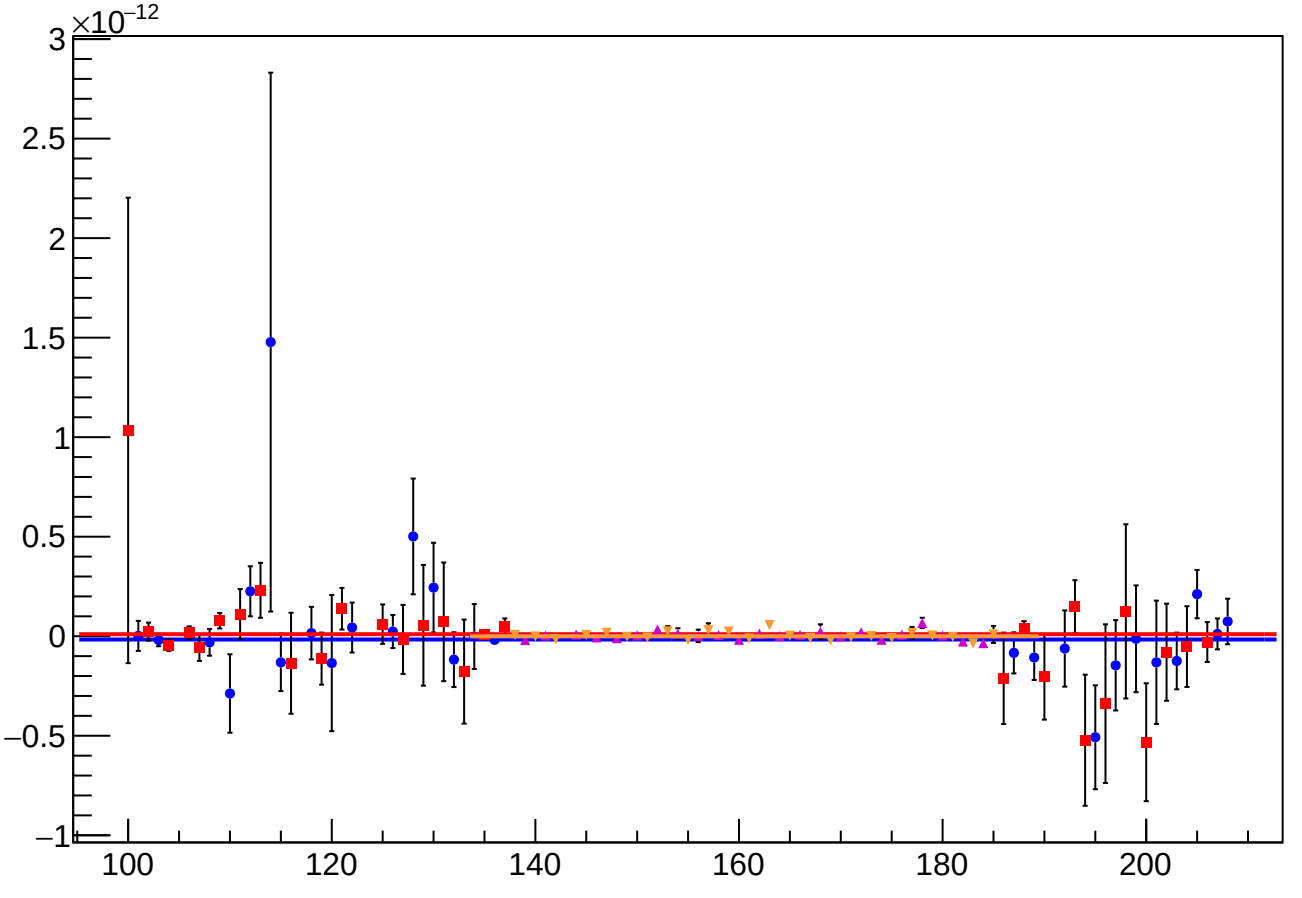
Right: 1853.317+/-0.239 χ^2/NDF: 2648123.0/55

In: 1719.671+/-0.211 χ^2/NDF:1860042.8/49

Out: 1709.132+/-0.209 χ^2/NDF:1752586.7/52

All: 1714.352+/-0.149 χ^2/NDF: 3613887.2/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/28

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

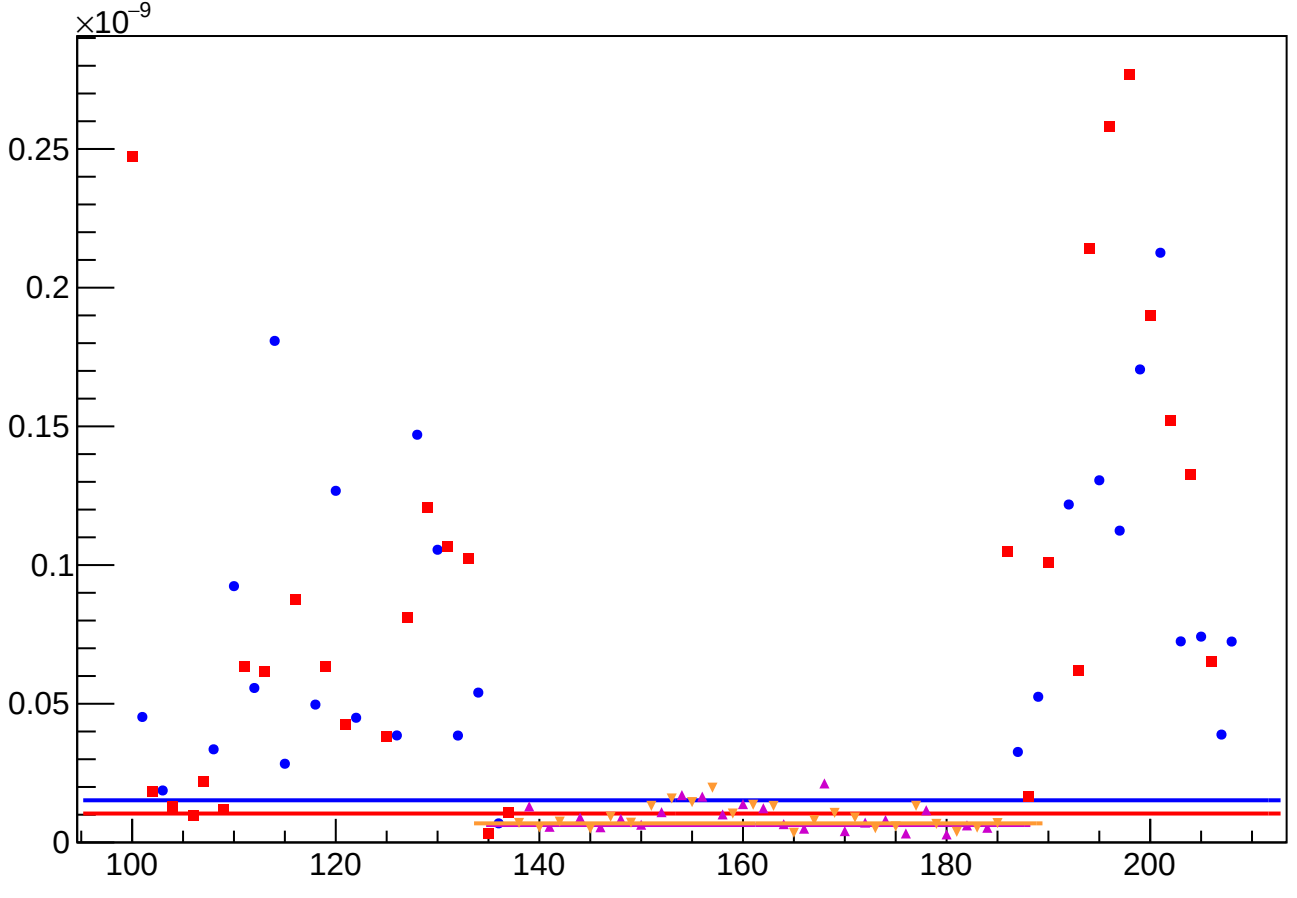
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 54.7/55

In: 0.000+/-0.000 χ^2/NDF:50.6/49

Out: 0.000+/-0.000 χ^2/NDF:51.3/52

All: 0.000+/-0.000 χ^2/NDF: 101.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 8236376.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9695829.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

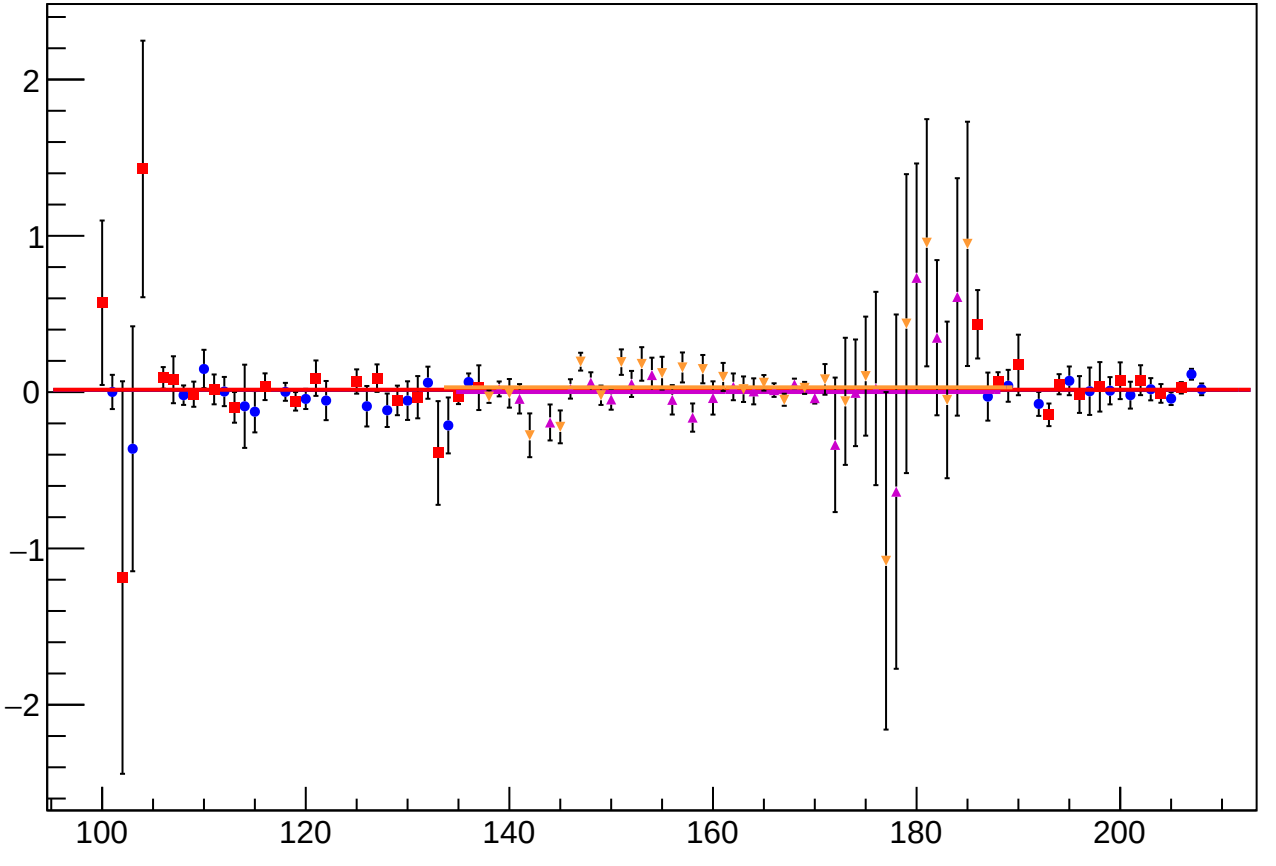
Right: 0.000+/-0.000 χ^2/NDF: 18201968.9/55

In: 0.000+/-0.000 χ^2/NDF:12618047.8/49

Out: 0.000+/-0.000 χ^2/NDF:12270653.3/52

All: 0.000+/-0.000 χ^2/NDF: 24905056.5/102

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

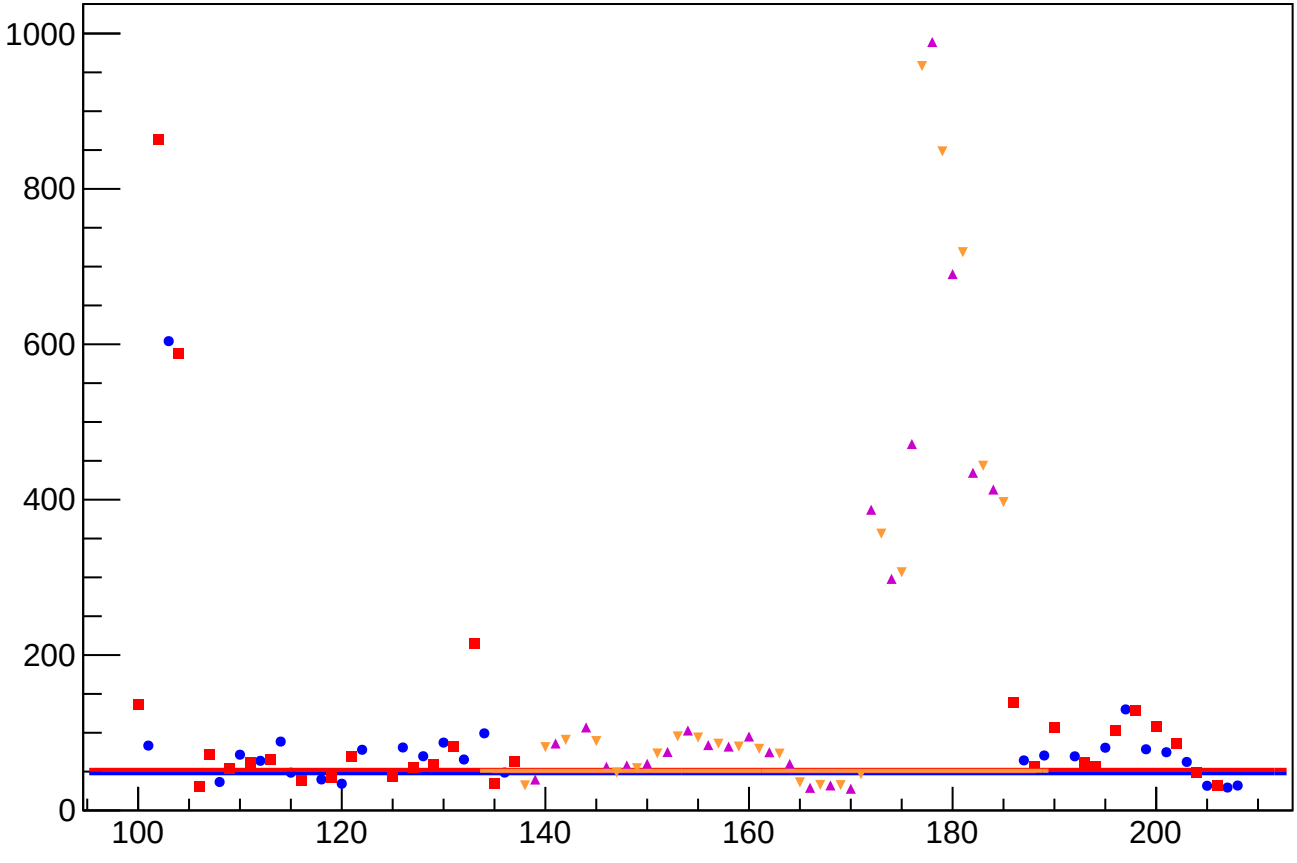
Right: 0.015+/-0.011 χ^2/NDF: 46.6/55

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/102

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

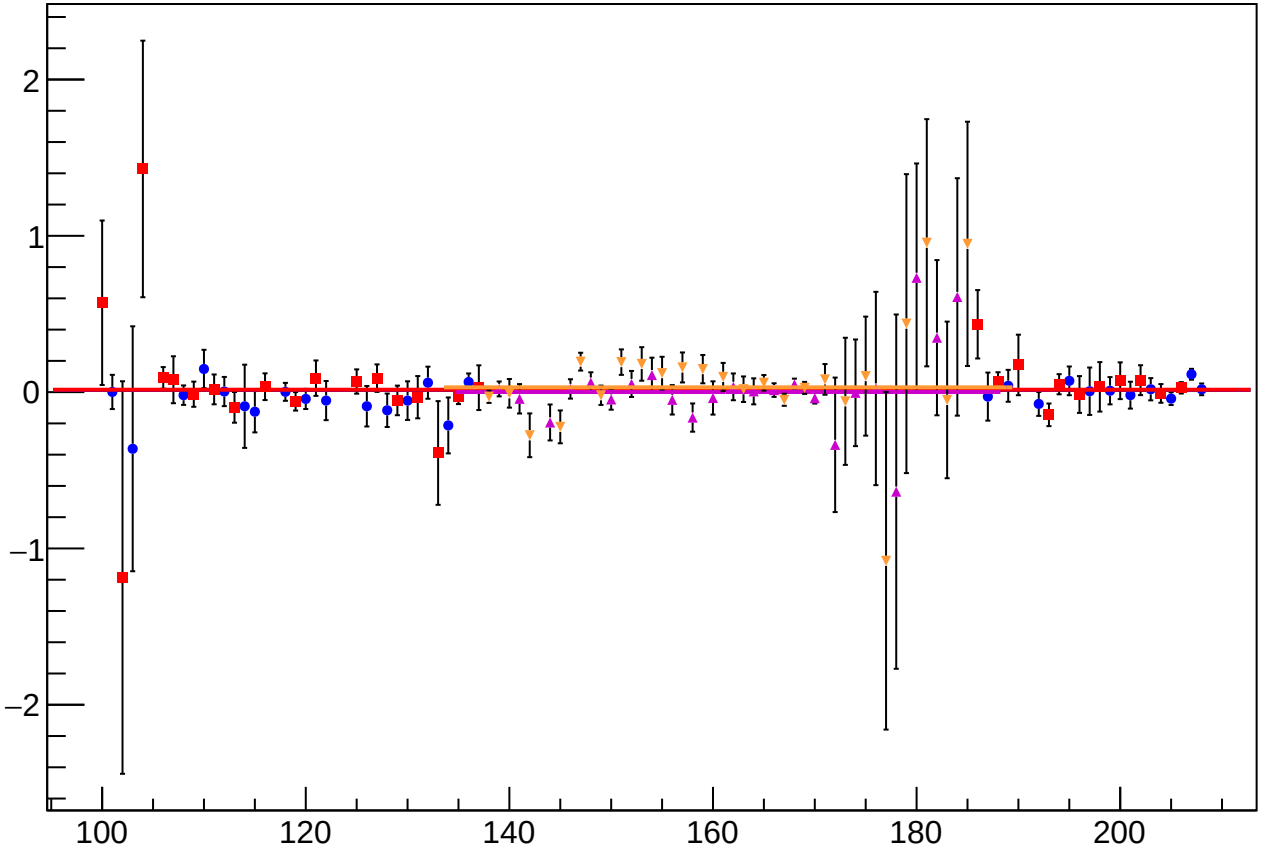
Right: 49.873+/-0.007 χ^2/NDF: 11032986.7/55

In: 48.957+/-0.007 χ^2/NDF:17465449.6/49

Out: 51.702+/-0.008 χ^2/NDF:17442410.5/52

All: 50.254+/-0.005 χ^2/NDF: 34973681.7/102

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

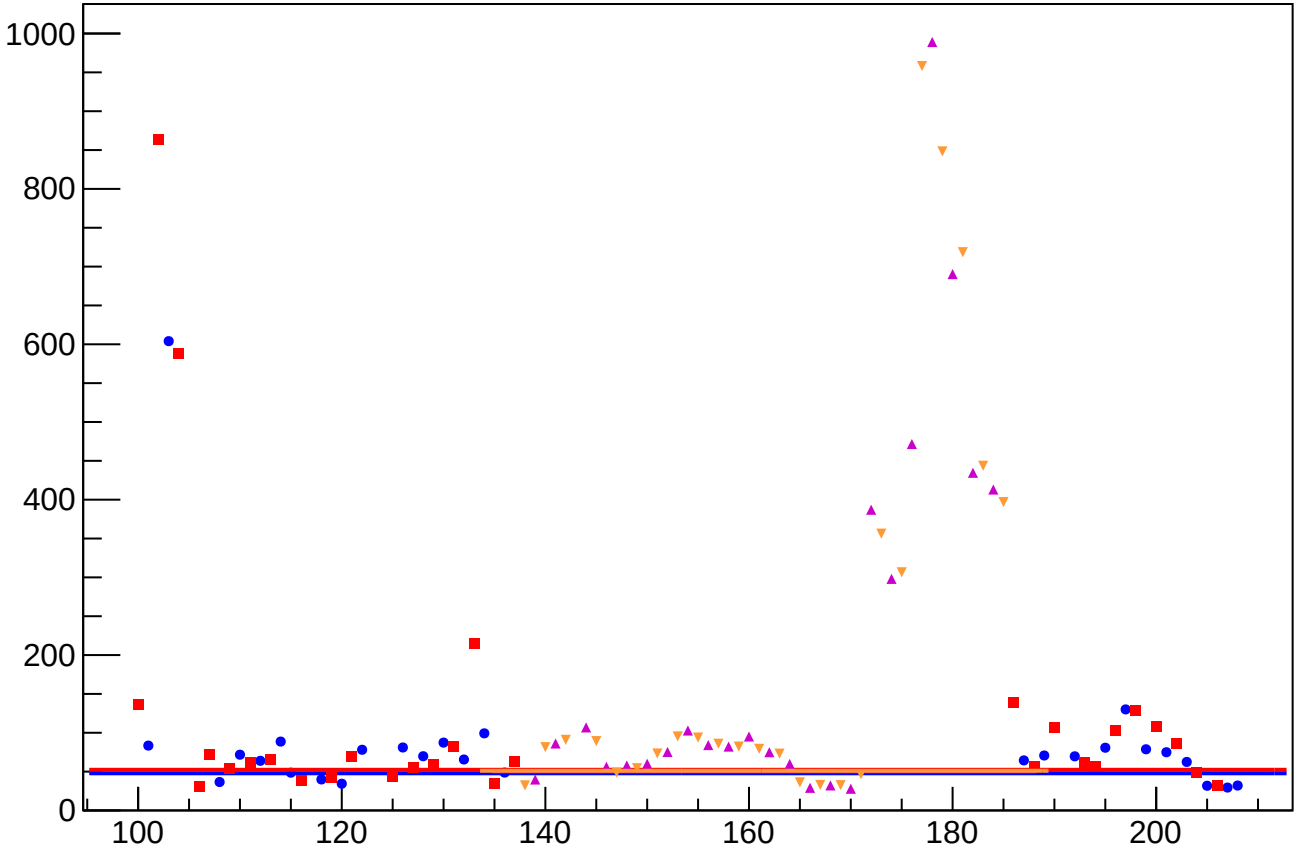
Right: 0.015+/-0.011 χ^2/NDF: 46.6/55

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/102

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

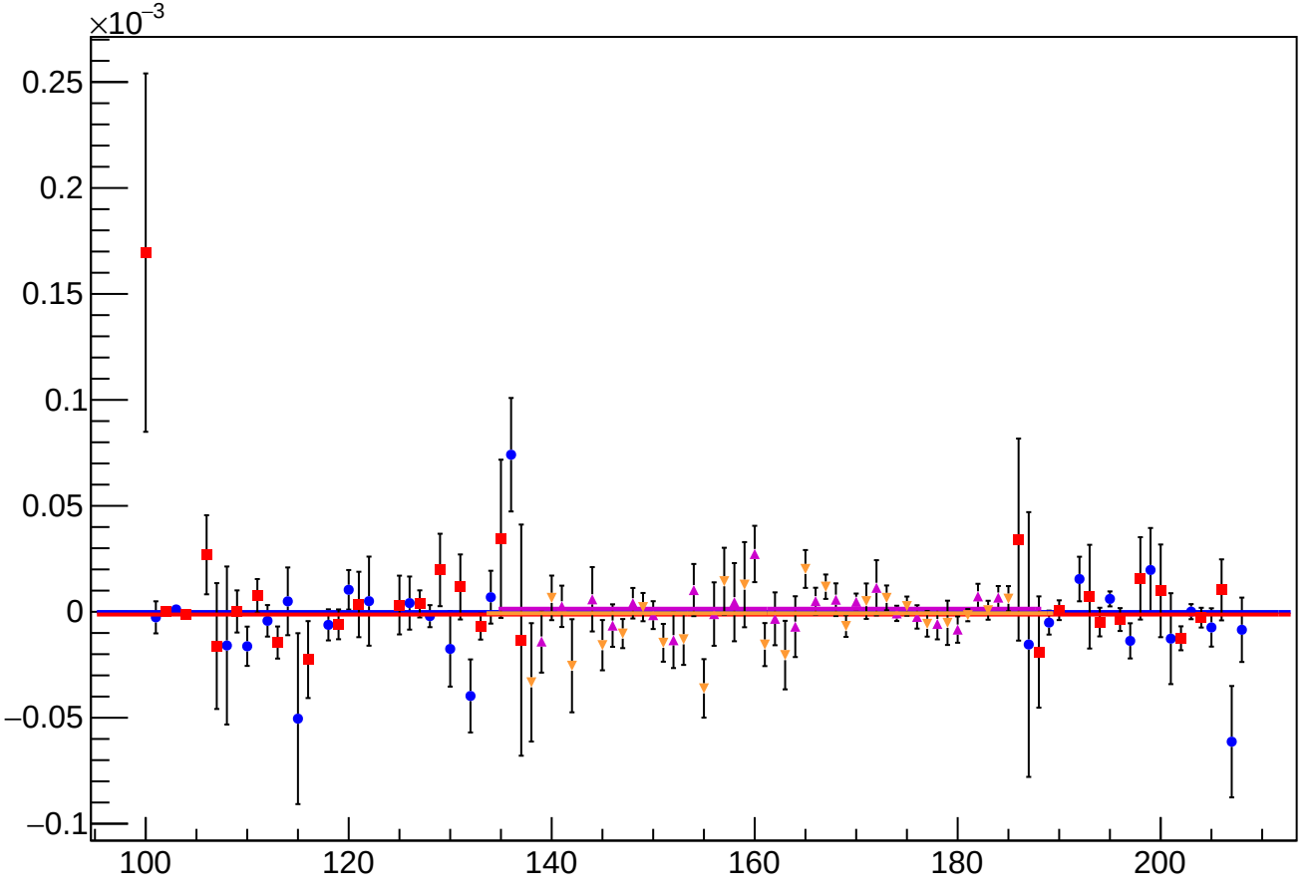
Right: 49.873+/-0.007 χ^2/NDF: 11032986.7/55

In: 48.957+/-0.007 χ^2/NDF:17465449.6/49

Out: 51.702+/-0.008 χ^2/NDF:17442410.5/52

All: 50.254+/-0.005 χ^2/NDF: 34973681.7/102

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: 38.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/28

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

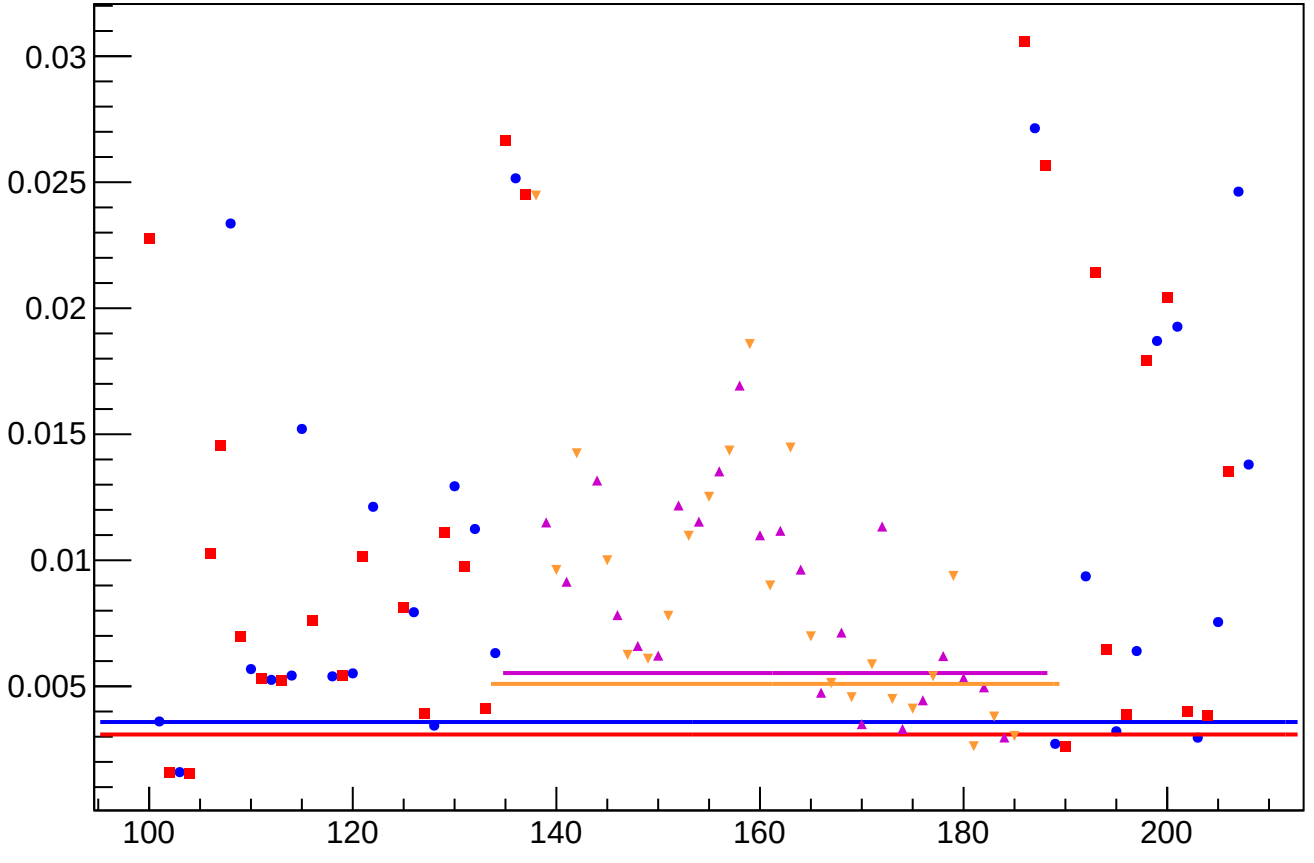
Right: -0.000+/-0.000 χ^2/NDF: 64.7/55

In: 0.000+/-0.000 χ^2/NDF:55.7/49

Out: -0.000+/-0.000 χ^2/NDF:64.1/52

All: -0.000+/-0.000 χ^2/NDF: 121.3/102

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 12019542.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 14021833.3/28

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

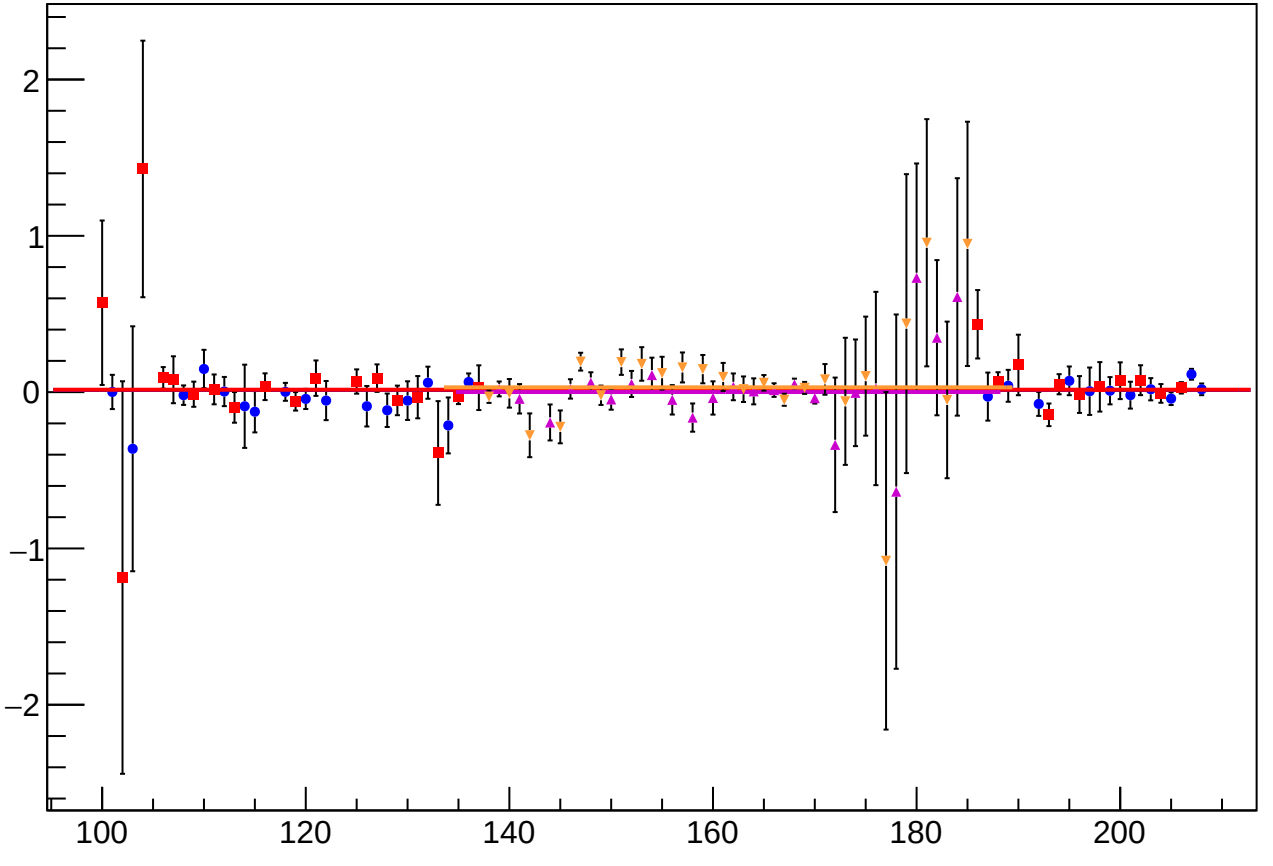
Right: 0.003+/-0.000 χ^2/NDF: 26213079.4/55

In: 0.004+/-0.000 χ^2/NDF:20849798.2/49

Out: 0.004+/-0.000 χ^2/NDF:24947403.8/52

All: 0.004+/-0.000 χ^2/NDF: 46119627.8/102

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

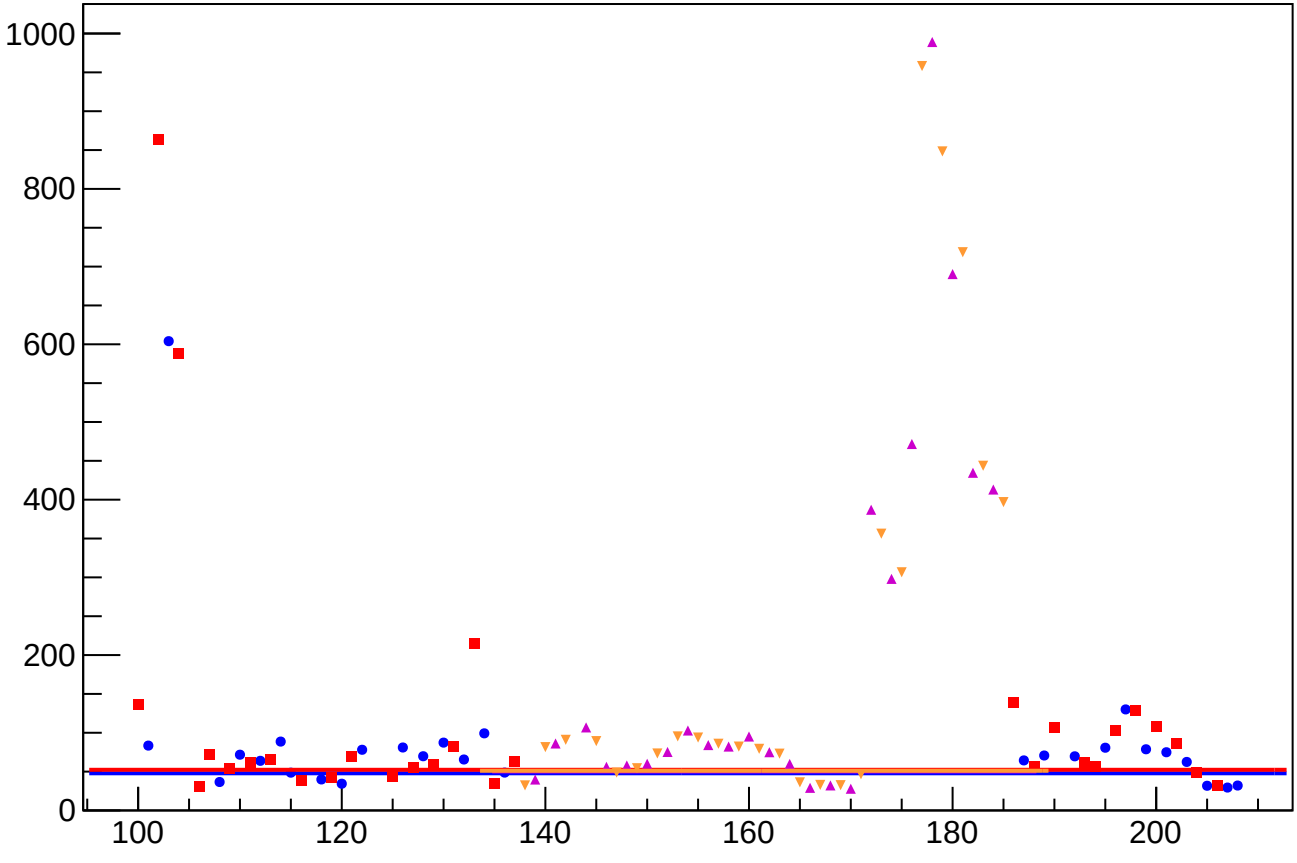
Right: 0.015+/-0.011 χ^2/NDF: 46.6/55

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/102

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

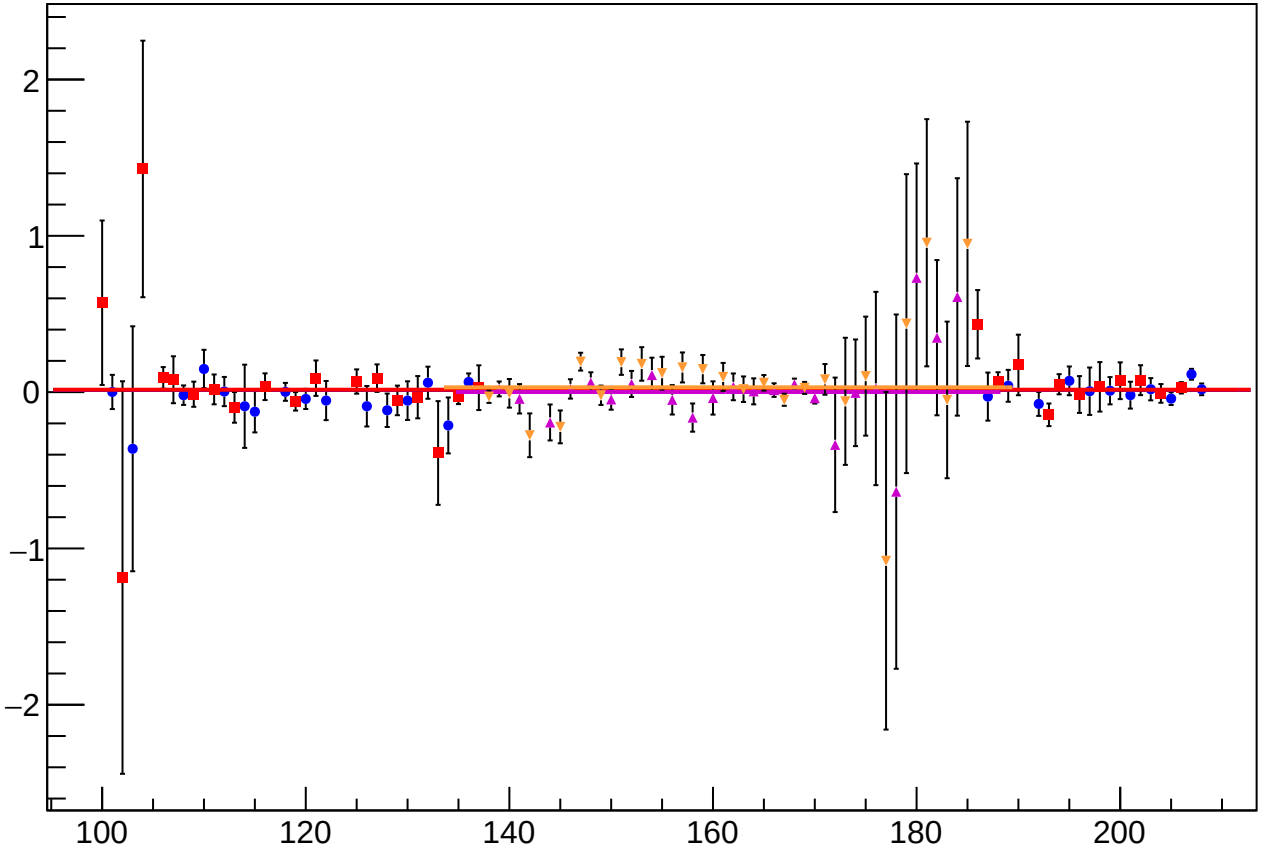
Right: 49.874+/-0.007 χ^2/NDF: 11032659.7/55

In: 48.957+/-0.007 χ^2/NDF:17465259.5/49

Out: 51.703+/-0.008 χ^2/NDF:17441333.3/52

All: 50.255+/-0.005 χ^2/NDF: 34972488.6/102

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

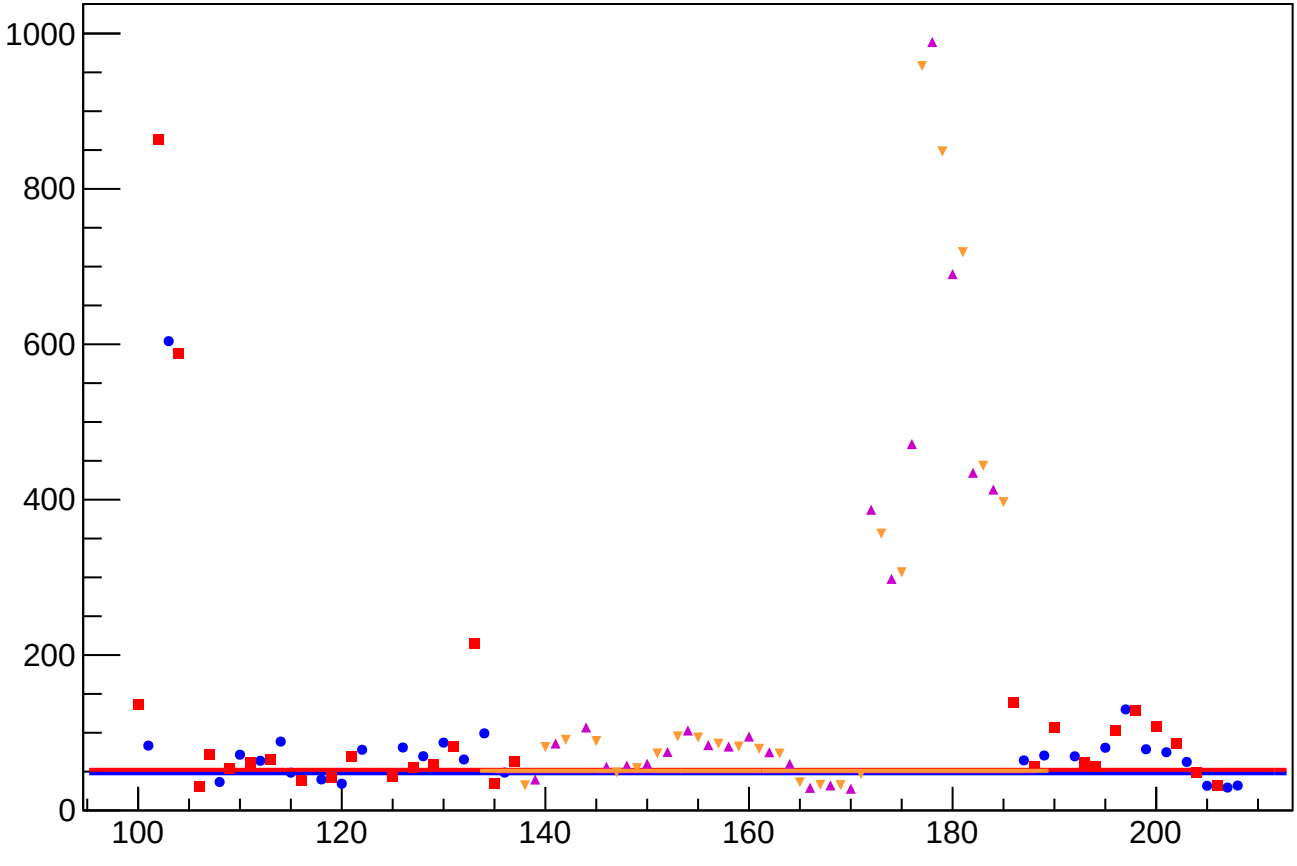
Right: 0.015+/-0.011 χ^2/NDF: 46.6/55

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/102

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

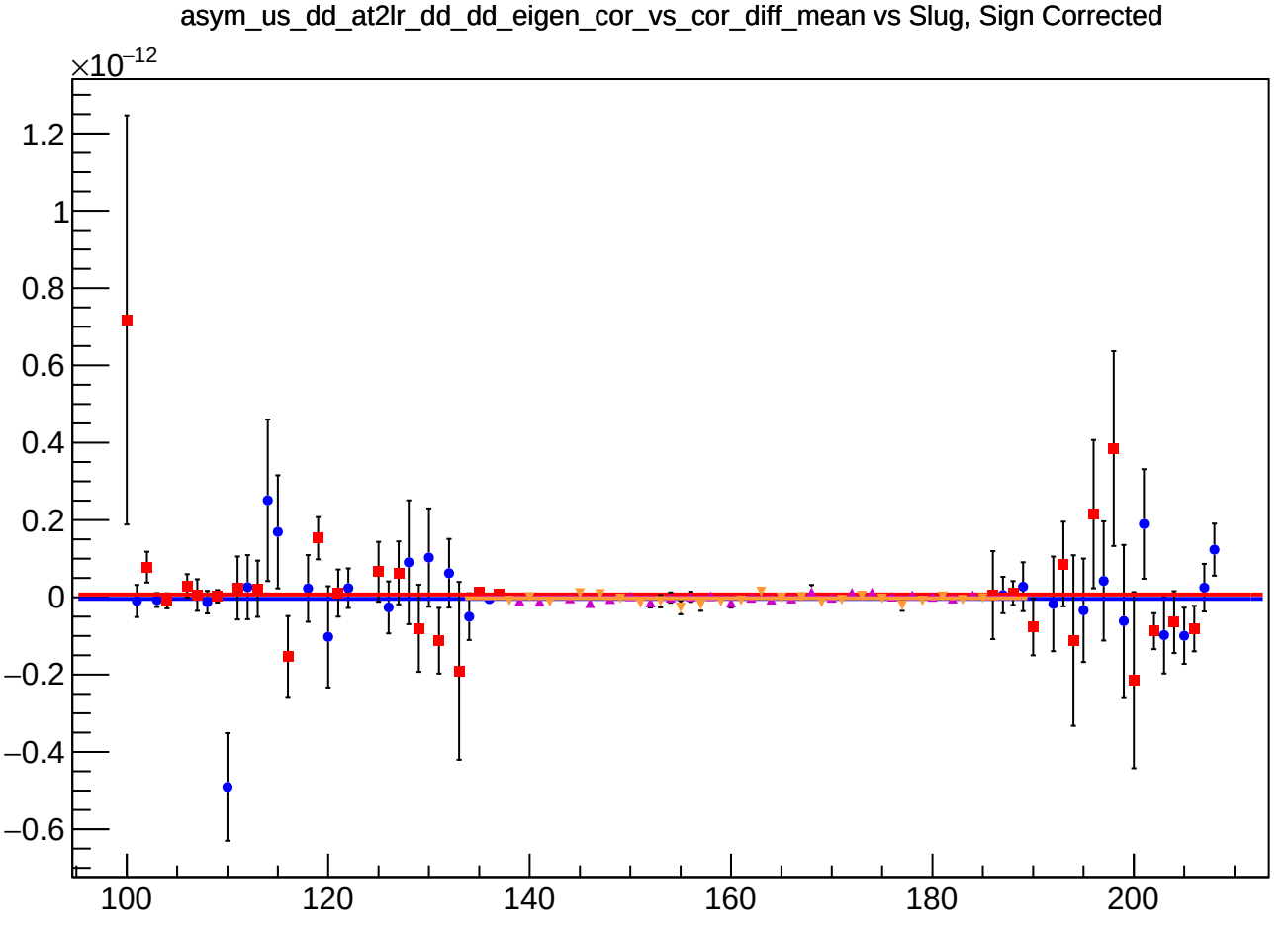
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 49.874+/-0.007 χ^2/NDF: 11032659.7/55

In: 48.957+/-0.007 χ^2/NDF:17465259.5/49

Out: 51.703+/-0.008 χ^2/NDF:17441333.3/52

All: 50.255+/-0.005 χ^2/NDF: 34972488.6/102



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/28

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

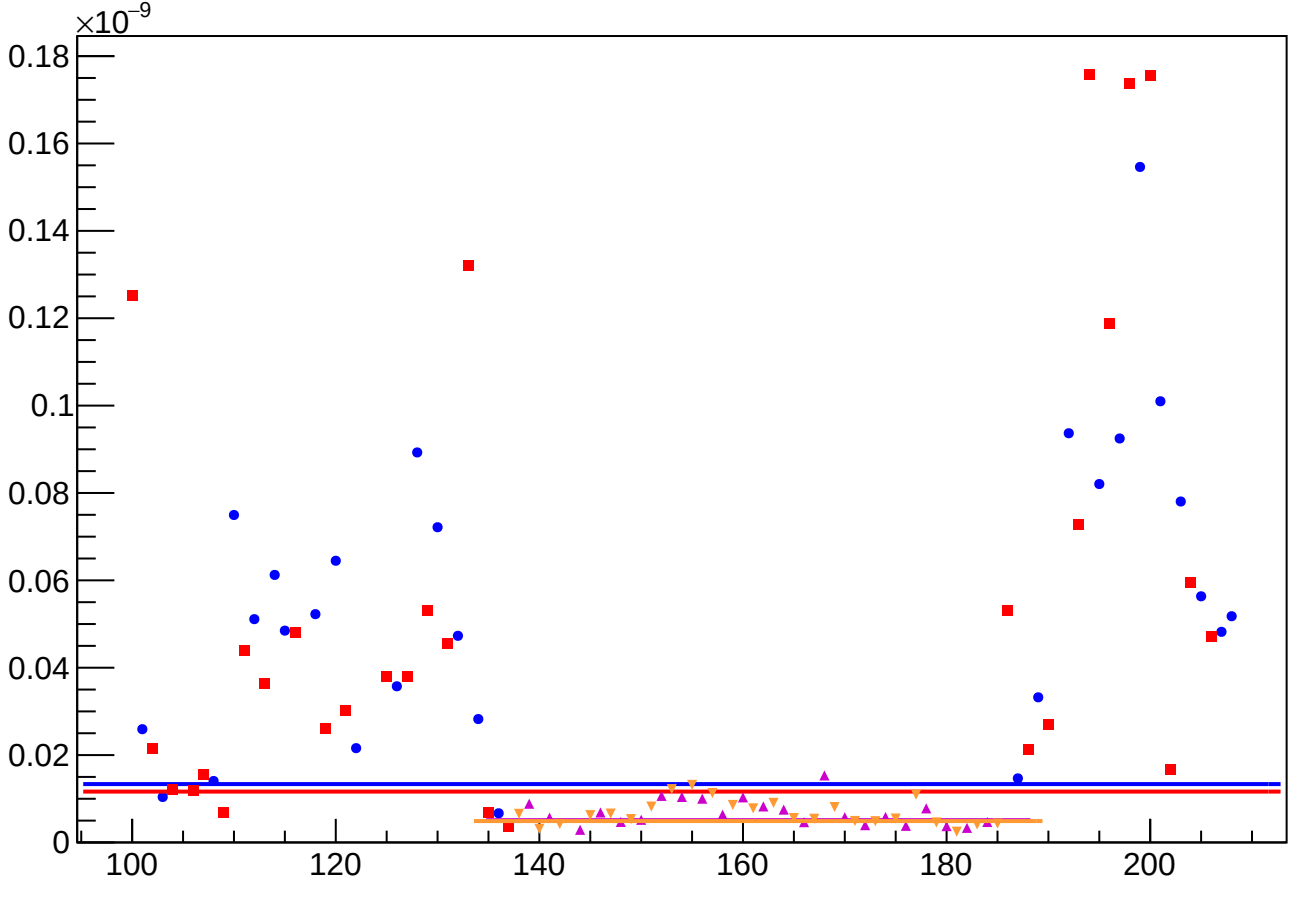
Right: 0.000+/-0.000 χ^2/NDF: 63.0/55

In: -0.000+/-0.000 χ^2/NDF:45.9/49

Out: -0.000+/-0.000 χ^2/NDF:58.6/52

All: -0.000+/-0.000 χ^2/NDF: 104.9/102

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11616982.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10493894.0/28

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

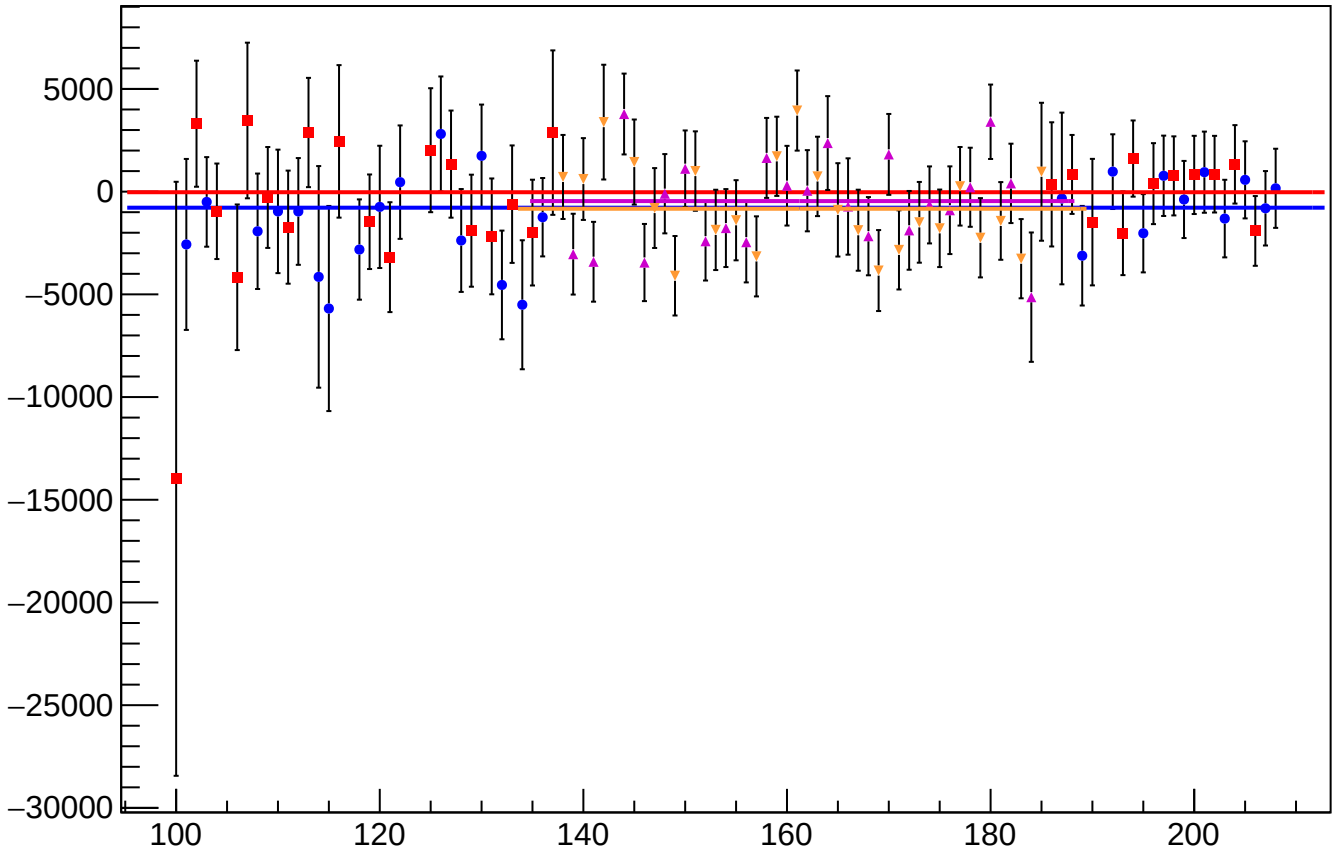
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 22183520.2/55

In: 0.000+/-0.000 χ^2/NDF:18375833.6/49

Out: 0.000+/-0.000 χ^2/NDF:17069778.5/52

All: 0.000+/-0.000 χ^2/NDF: 35477528.5/102



Right In: -780.948+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -28.047+/-453.273 χ^2/NDF: 15.8/28

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

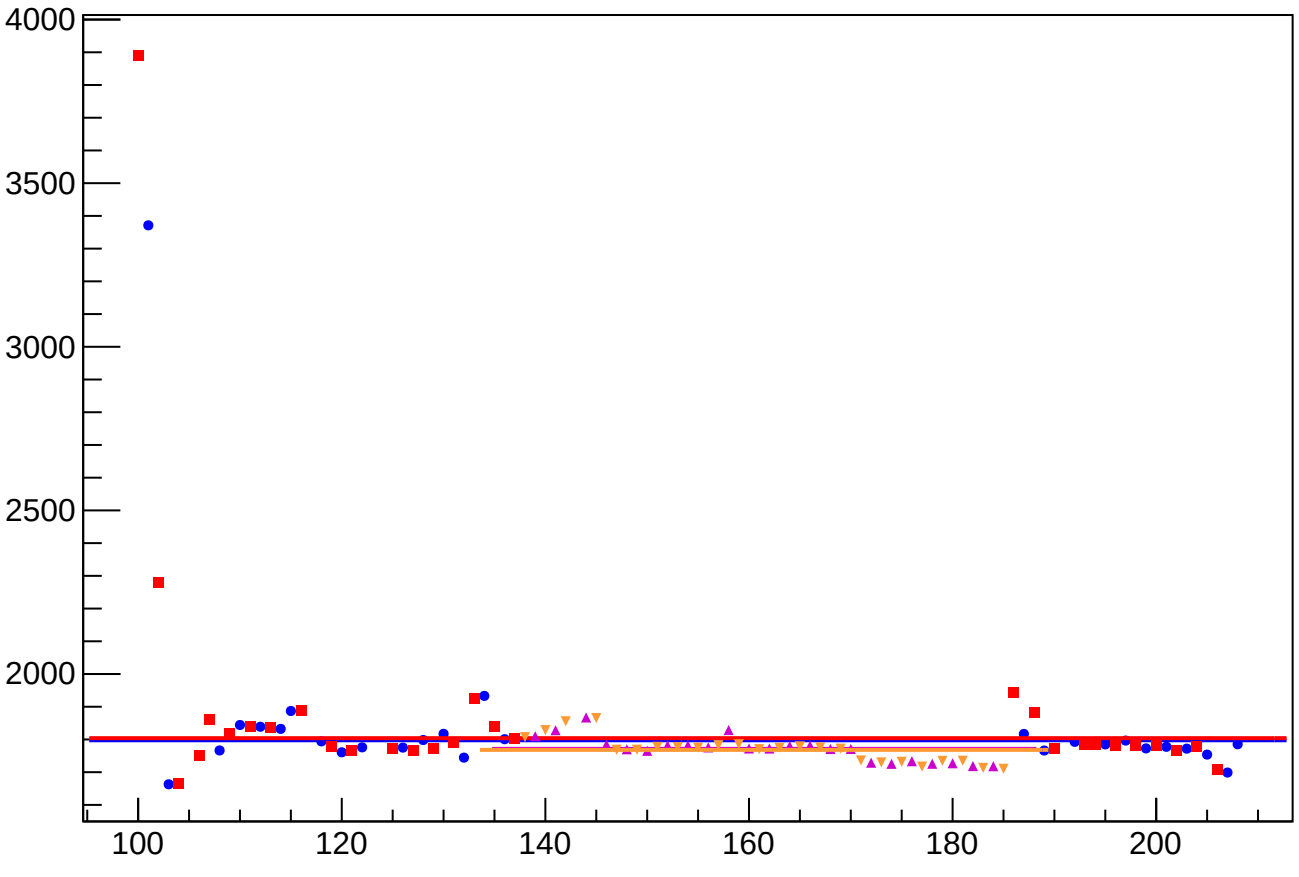
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -403.872+/-320.778 χ^2/NDF: 31.8/55

In: -605.345+/-305.770 χ^2/NDF:42.2/49

Out: -470.108+/-304.247 χ^2/NDF:43.0/52

All: -537.389+/-215.671 χ^2/NDF: 85.2/102



Right In: 1797.545+/-0.321 χ^2/NDF: 309218.7/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1803.968+/-0.321 χ^2/NDF: 121890.6/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

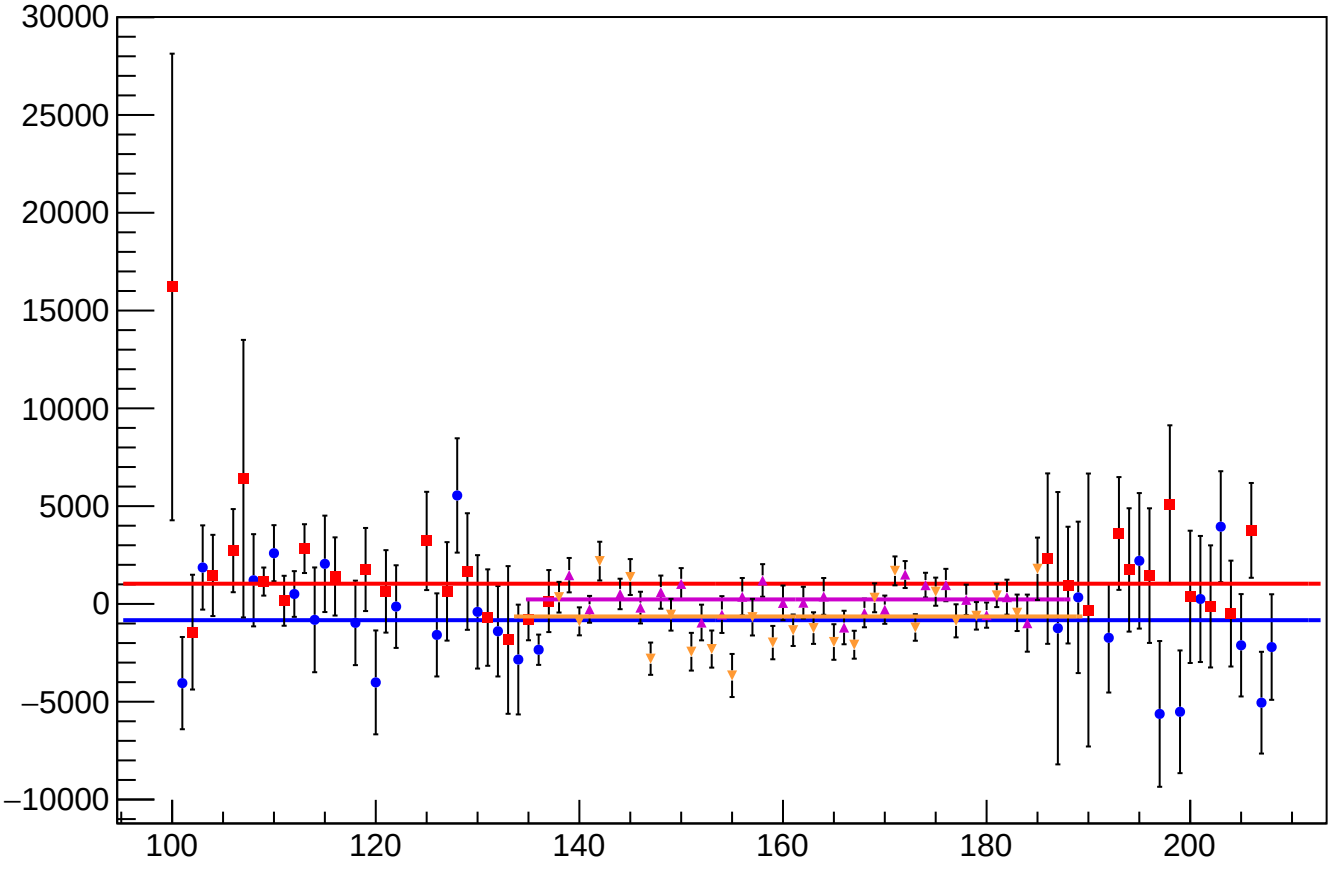
Right: 1800.762+/-0.227 χ^2/NDF: 431309.8/55

In: 1783.159+/-0.216 χ^2/NDF:329319.4/49

Out: 1784.274+/-0.215 χ^2/NDF:145120.3/52

All: 1783.719+/-0.153 χ^2/NDF: 474453.1/102

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -830.775+/-400.346 χ^2/NDF: 34.3/26

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1033.847+/-364.929 χ^2/NDF: 15.4/28

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

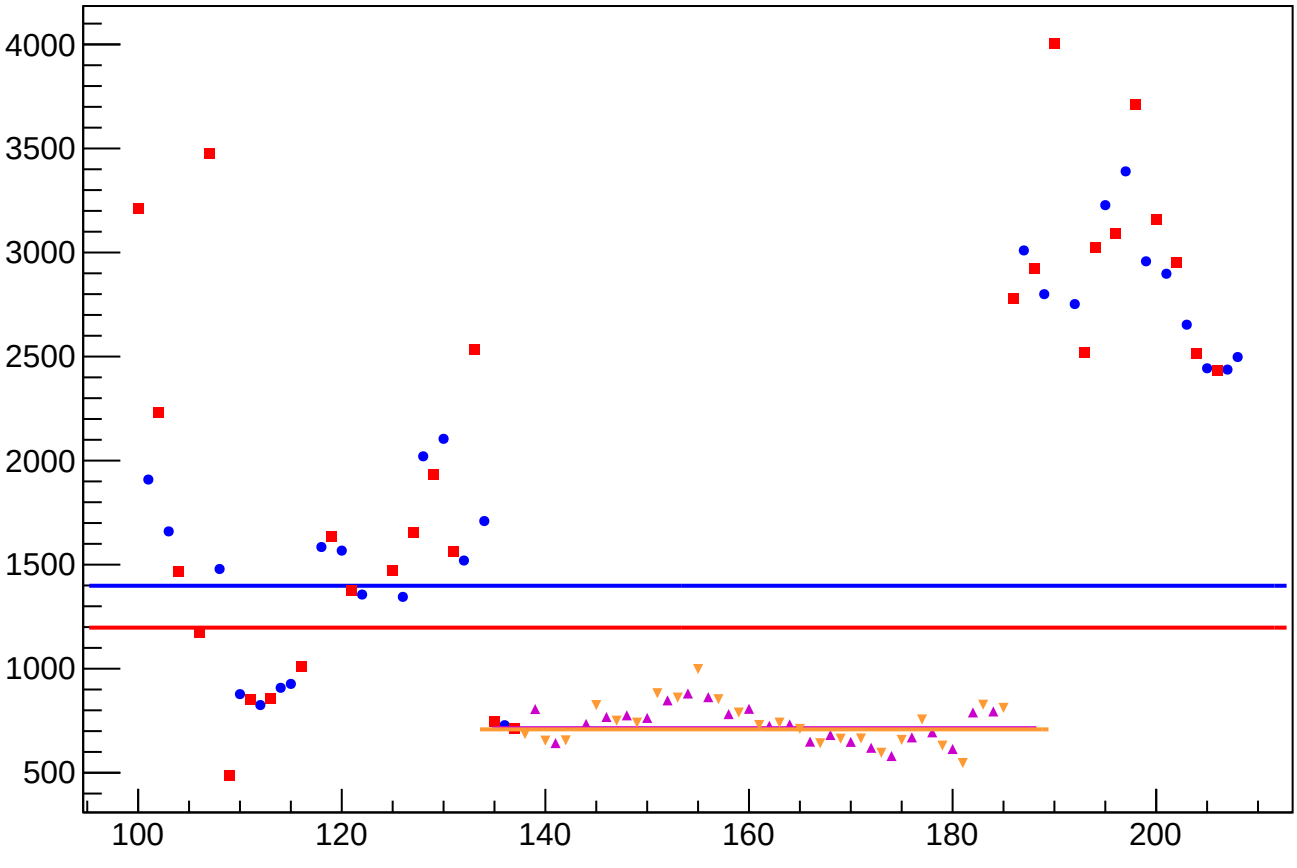
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 187.646+/-269.697 χ^2/NDF: 61.5/55

In: 71.213+/-155.163 χ^2/NDF:60.2/49

Out: -352.594+/-151.440 χ^2/NDF:99.5/52

All: -145.836+/-108.377 χ^2/NDF: 163.5/102



Right In: 1398.589+/-0.283 χ^2/NDF: 7024552.7/26

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1197.402+/-0.258 χ^2/NDF: 10000176.2/28

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

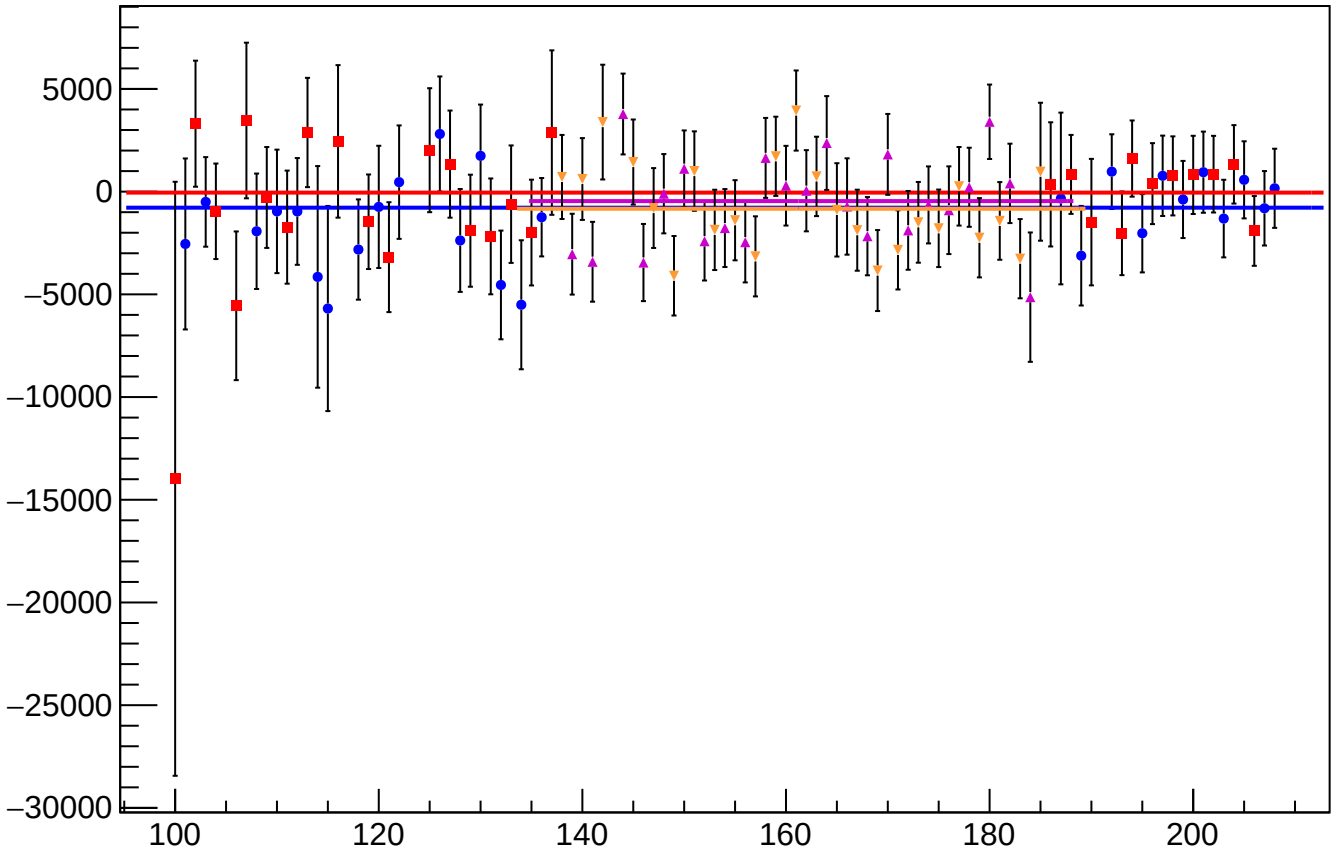
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1288.705+/-0.191 χ^2/NDF: 17300592.1/55

In: 816.972+/-0.110 χ^2/NDF:12489139.2/49

Out: 792.697+/-0.107 χ^2/NDF:13672123.9/52

All: 804.540+/-0.077 χ^2/NDF: 26186332.0/10



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -47.036+/-453.425 χ^2/NDF: 16.8/28

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

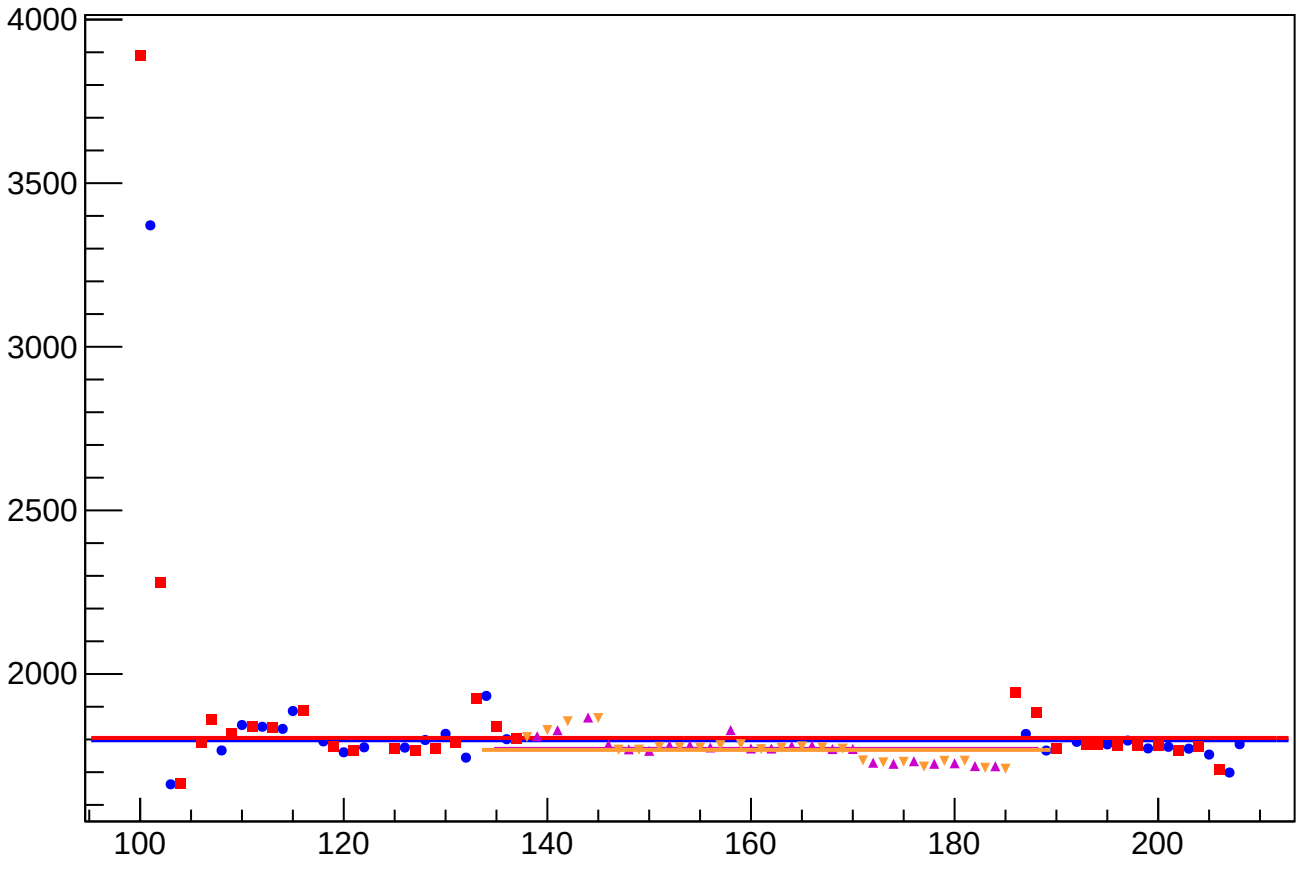
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -413.384+/-320.832 χ^2/NDF: 32.7/55

In: -605.212+/-305.770 χ^2/NDF:42.2/49

Out: -478.734+/-304.293 χ^2/NDF:43.8/52

All: -541.667+/-215.688 χ^2/NDF: 86.1/102



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

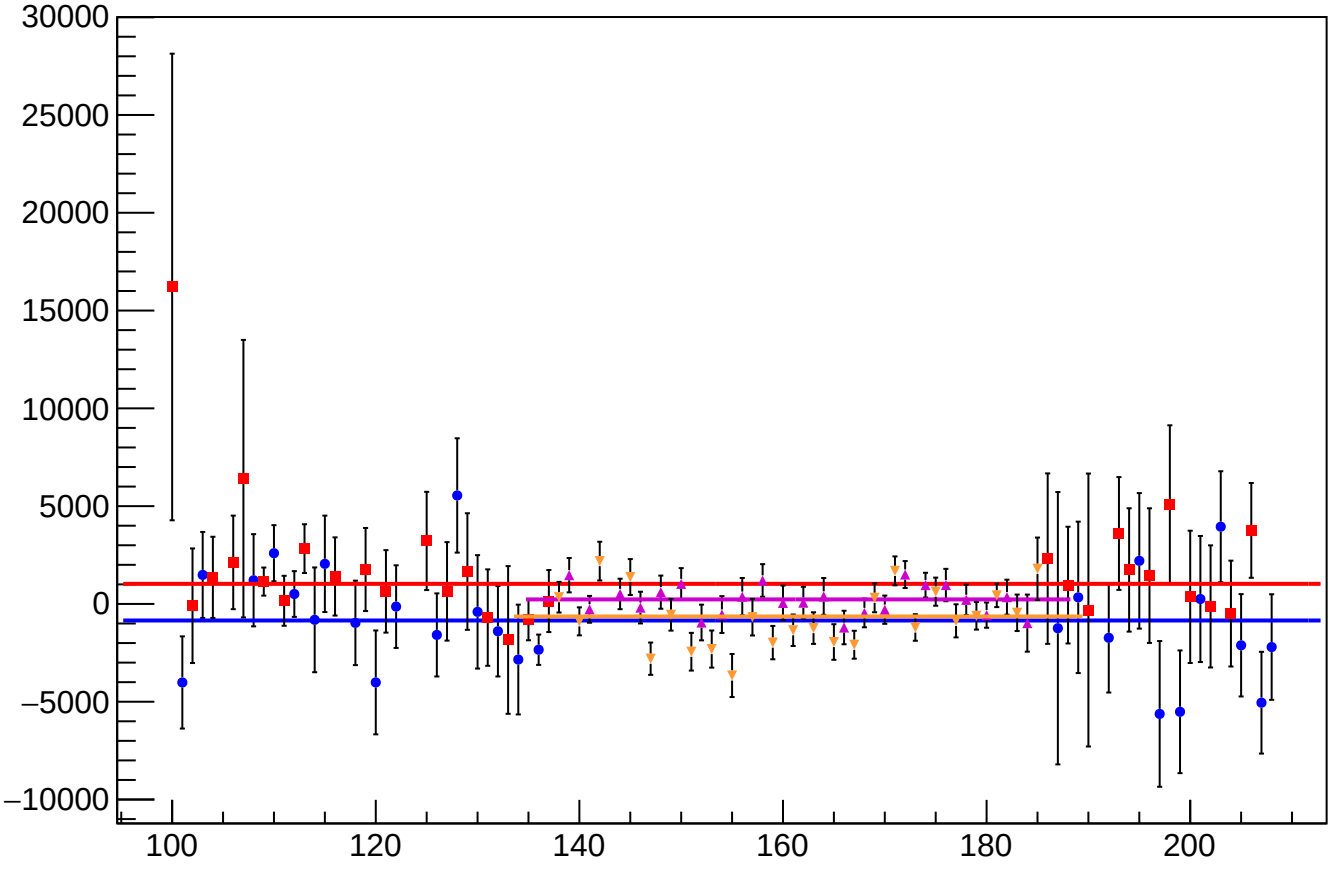
Right: 1801.100+/-0.227 χ^2/NDF: 430922.3/55

In: 1783.159+/-0.216 χ^2/NDF:329321.2/49

Out: 1784.573+/-0.215 χ^2/NDF:144946.0/52

All: 1783.869+/-0.153 χ^2/NDF: 474288.7/102

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

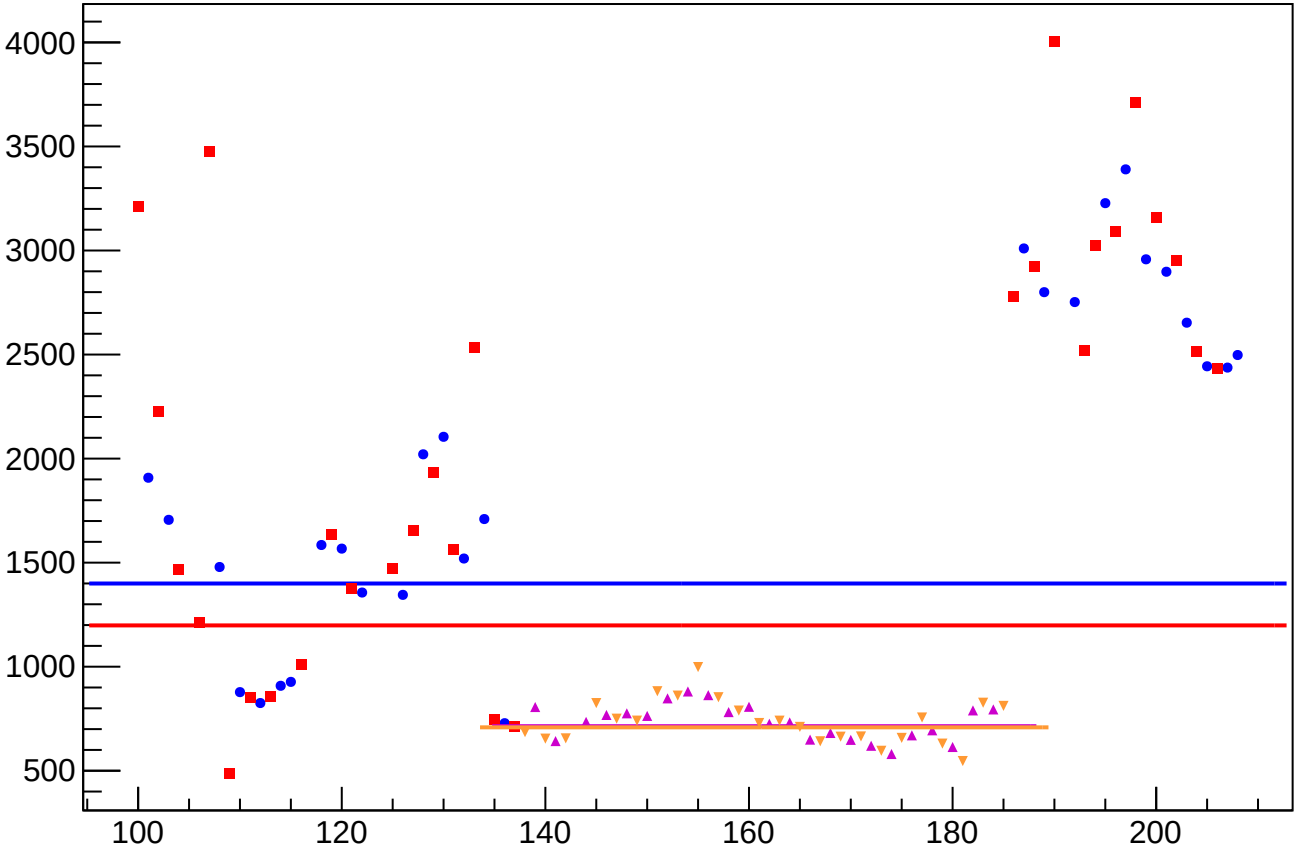
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 174.668+/-270.229 χ^2/NDF: 60.1/55

In: 69.000+/-155.180 χ^2/NDF:59.9/49

Out: -355.195+/-151.520 χ^2/NDF:98.2/52

All: -148.159+/-108.412 χ^2/NDF: 162.0/102



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

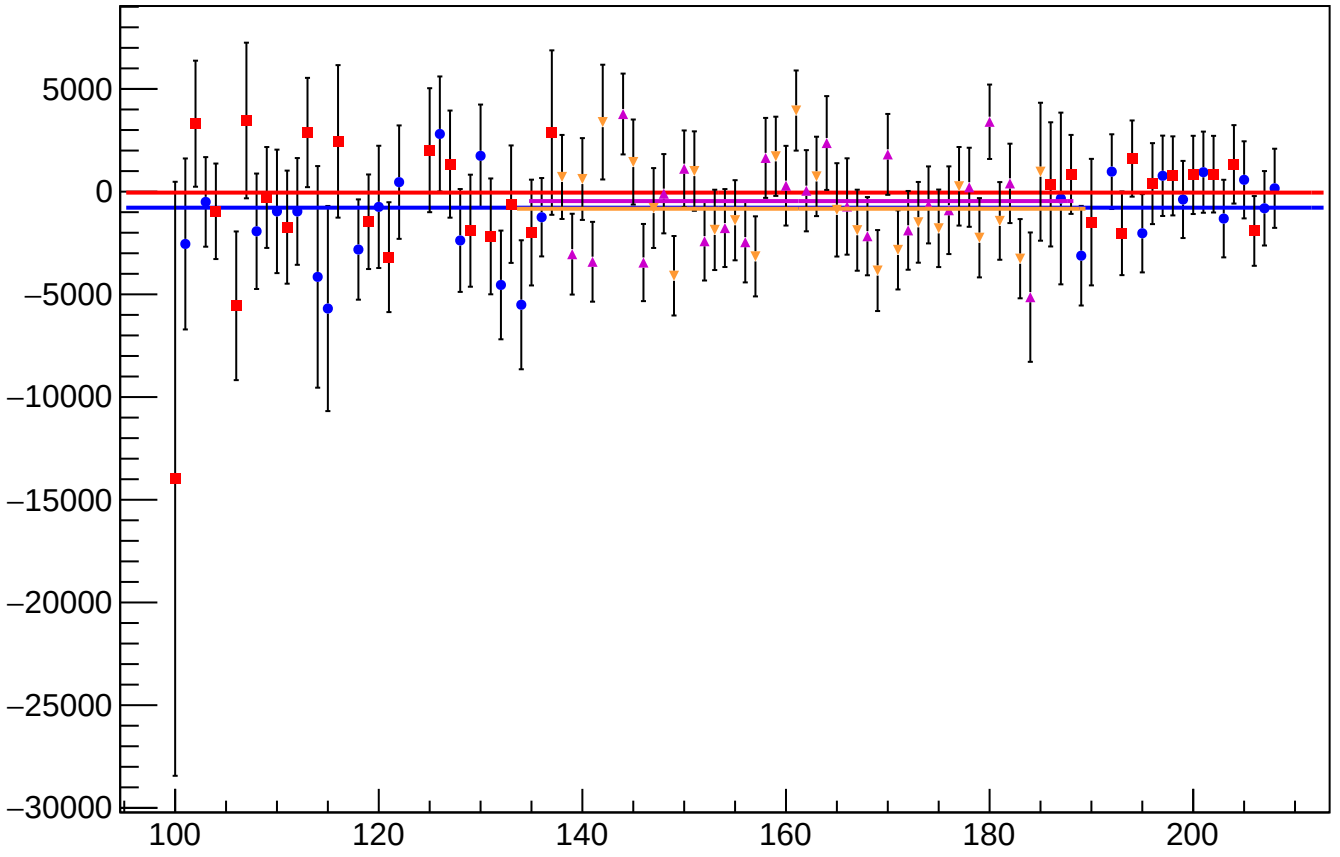
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1290.017+/-0.191 χ^2/NDF: 17308036.7/55

In: 817.032+/-0.110 χ^2/NDF:12509344.3/49

Out: 792.453+/-0.107 χ^2/NDF:13668049.9/52

All: 804.449+/-0.077 χ^2/NDF: 26203080.0/10



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -47.036+/-453.425 χ^2/NDF: 16.8/28

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

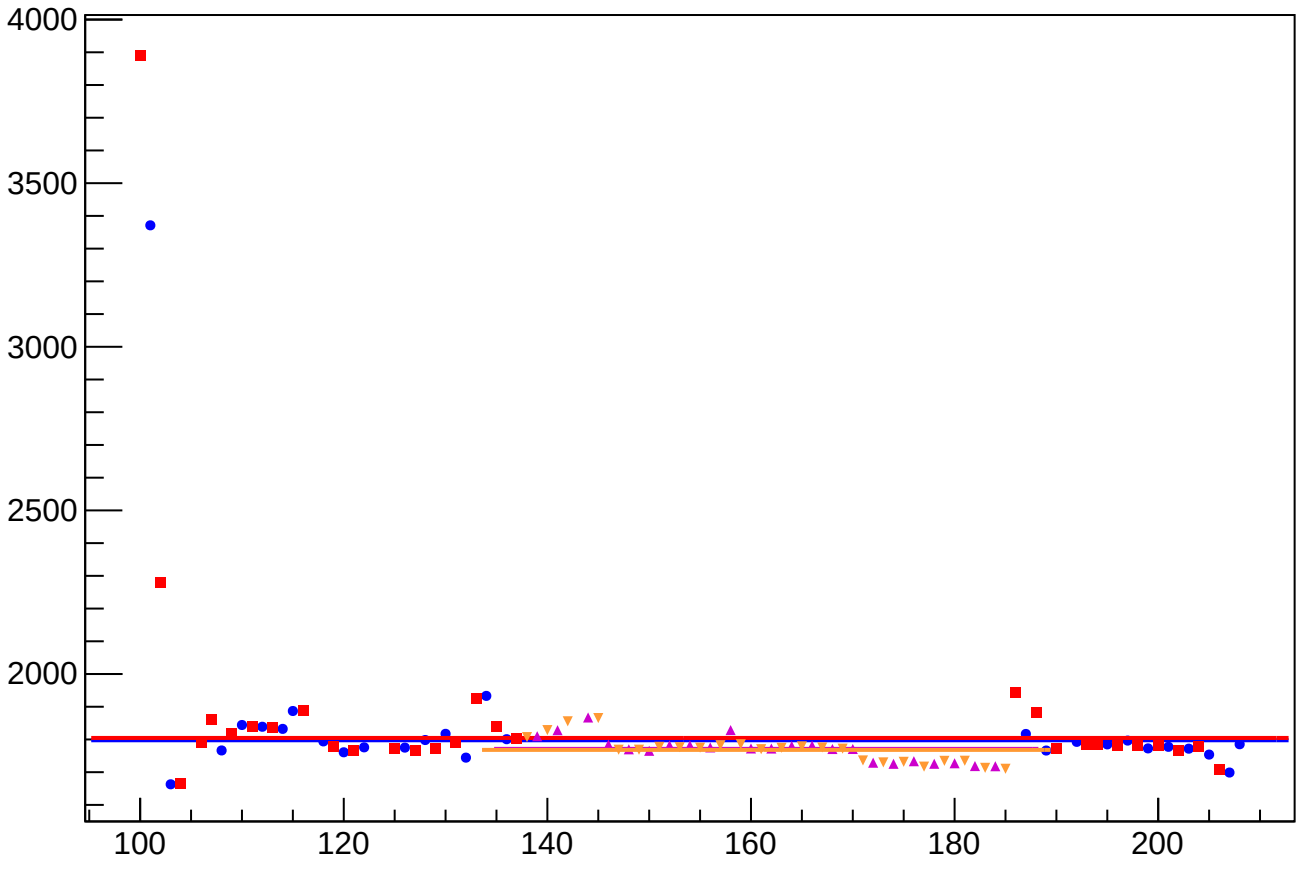
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -413.384+/-320.832 χ^2/NDF: 32.7/55

In: -605.212+/-305.770 χ^2/NDF:42.2/49

Out: -478.734+/-304.293 χ^2/NDF:43.8/52

All: -541.667+/-215.688 χ^2/NDF: 86.1/102



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

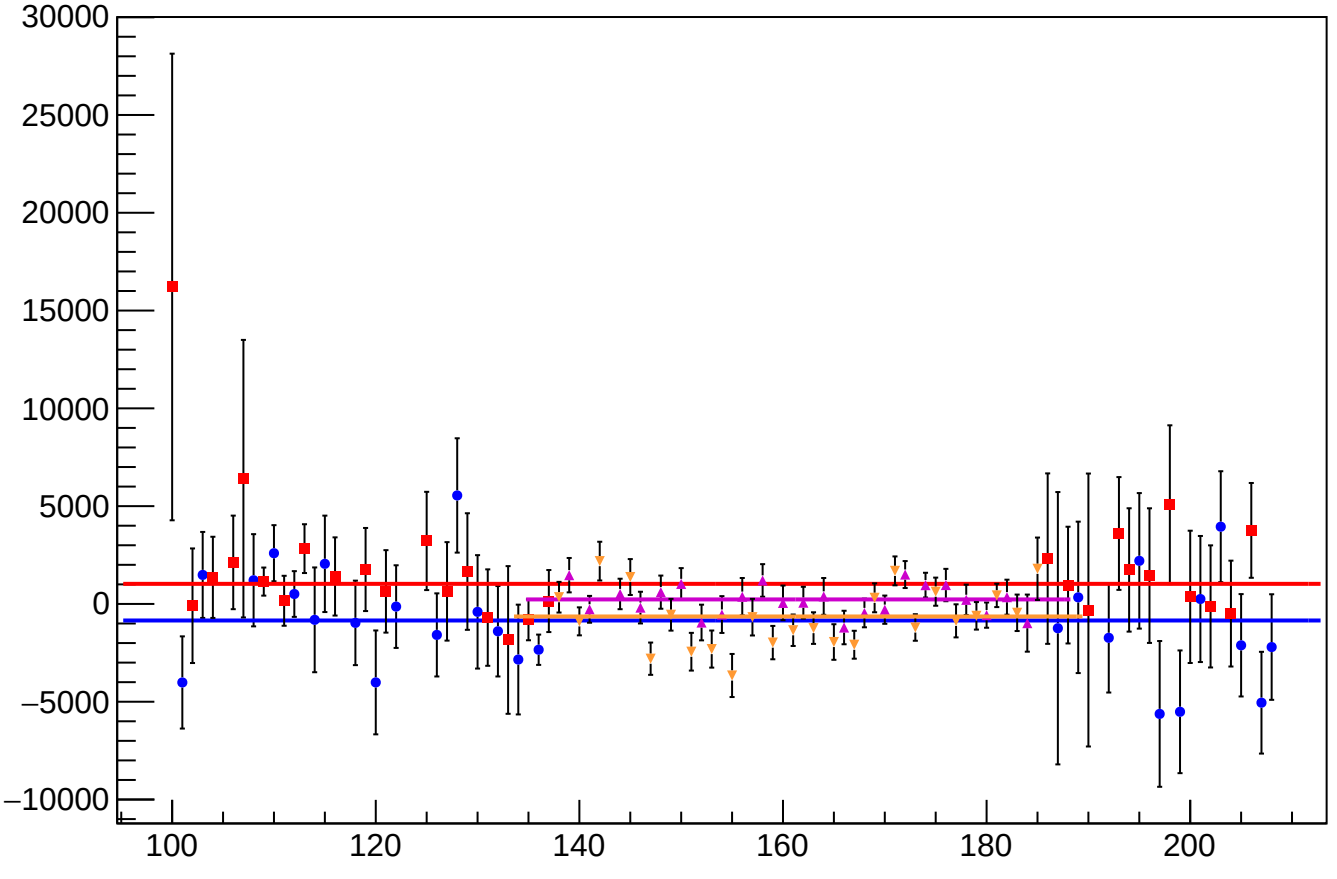
Right: 1801.100+/-0.227 χ^2/NDF: 430922.3/55

In: 1783.159+/-0.216 χ^2/NDF:329321.2/49

Out: 1784.573+/-0.215 χ^2/NDF:144946.0/52

All: 1783.869+/-0.153 χ^2/NDF: 474288.7/102

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

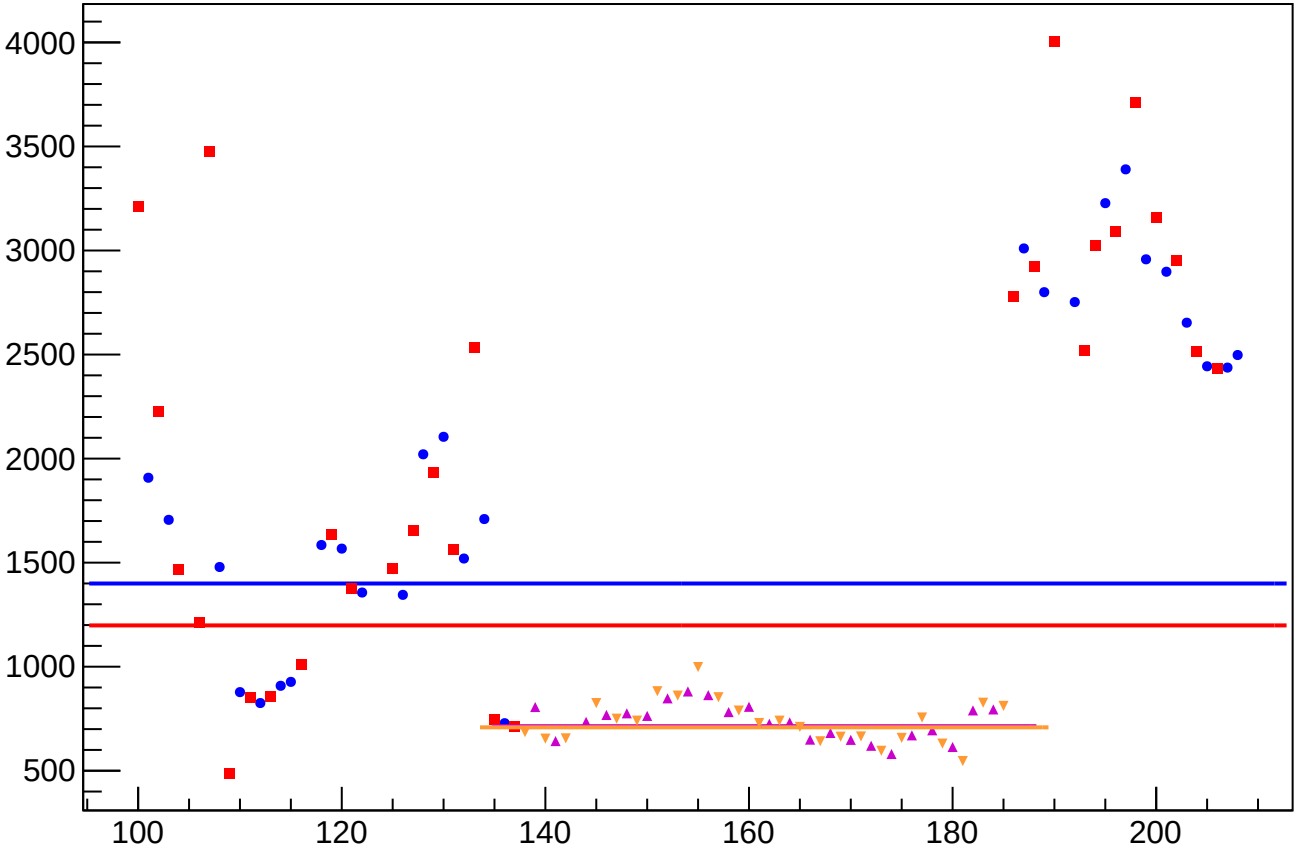
Right: 174.668+/-270.229 χ^2/NDF: 60.1/55

In: 69.000+/-155.180 χ^2/NDF:59.9/49

Out: -355.195+/-151.520 χ^2/NDF:98.2/52

All: -148.159+/-108.412 χ^2/NDF: 162.0/102

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

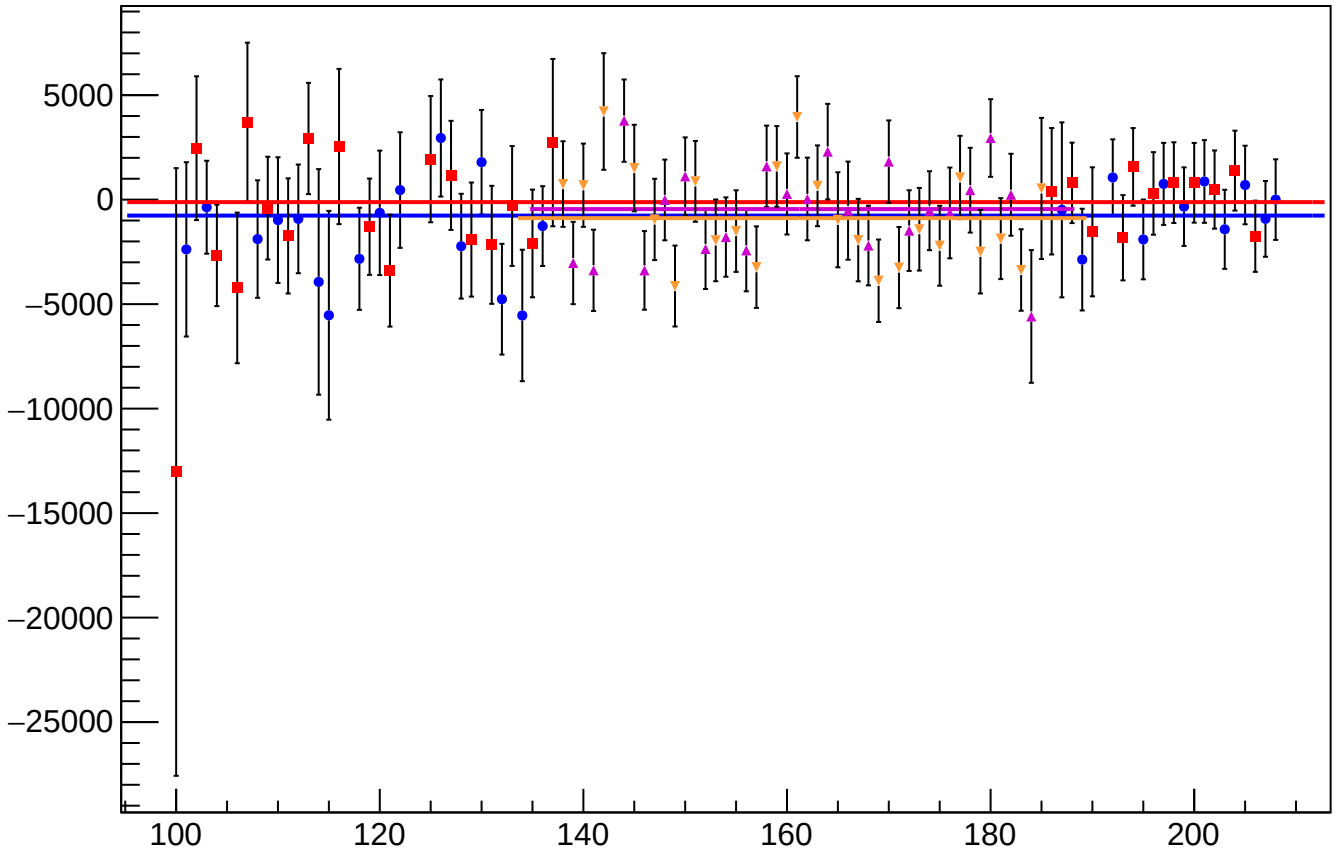
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1290.017+/-0.191 χ^2/NDF: 17308036.7/55

In: 817.032+/-0.110 χ^2/NDF:12509344.3/49

Out: 792.453+/-0.107 χ^2/NDF:13668049.9/52

All: 804.449+/-0.077 χ^2/NDF: 26203080.0/10



Right In: -763.746+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -119.496+/-455.859 χ^2/NDF: 15.6/28

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

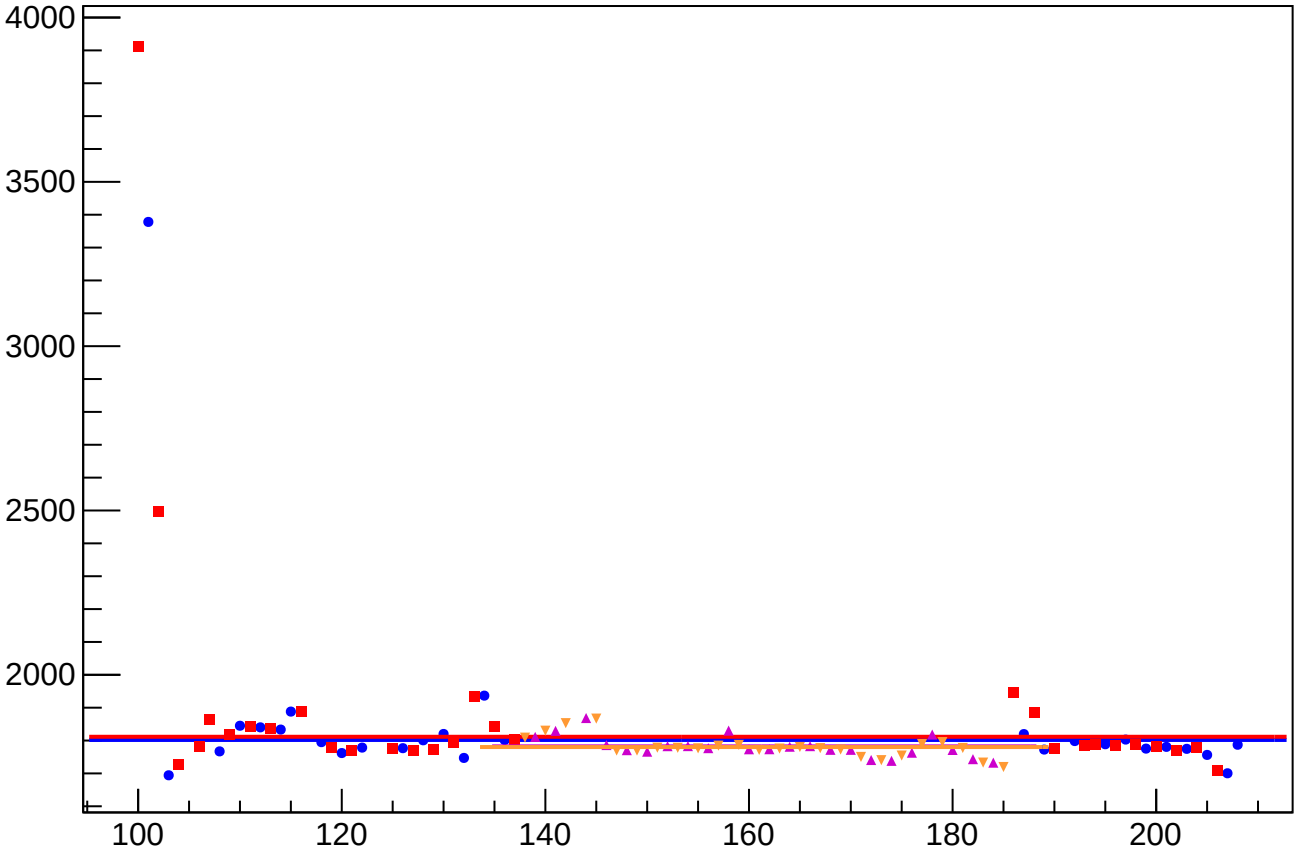
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -442.164+/-322.069 χ^2/NDF: 31.3/55

In: -594.659+/-307.128 χ^2/NDF:40.7/49

Out: -540.452+/-306.161 χ^2/NDF:45.3/52

All: -567.470+/-216.830 χ^2/NDF: 86.0/102



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.1/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.7/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

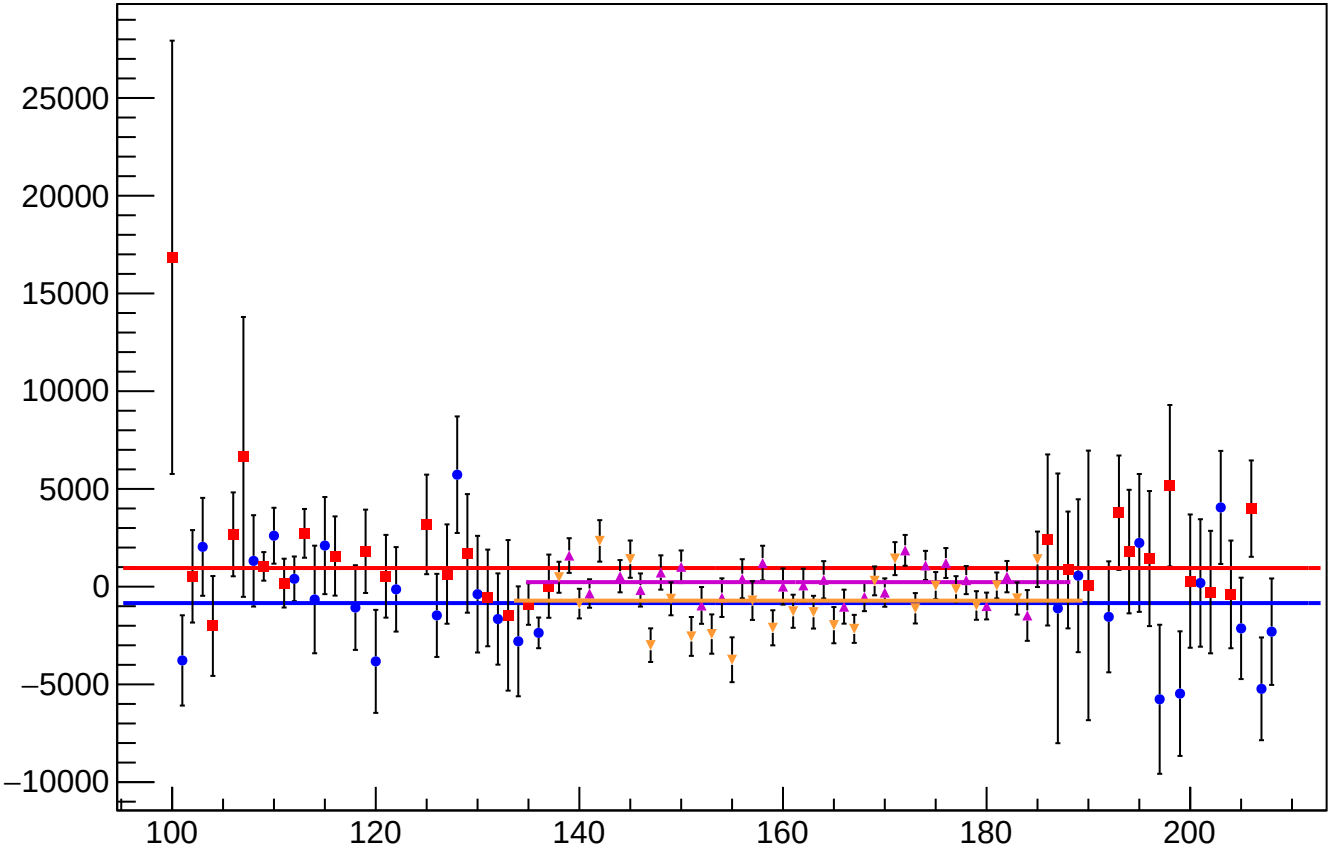
Right: 1806.625+/-0.228 χ^2/NDF: 456037.4/55

In: 1791.177+/-0.217 χ^2/NDF:319745.8/49

Out: 1794.317+/-0.216 χ^2/NDF:164611.0/52

All: 1792.752+/-0.153 χ^2/NDF: 484461.7/102

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -840.600+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 952.211+/-368.415 χ^2/NDF: 16.5/28

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

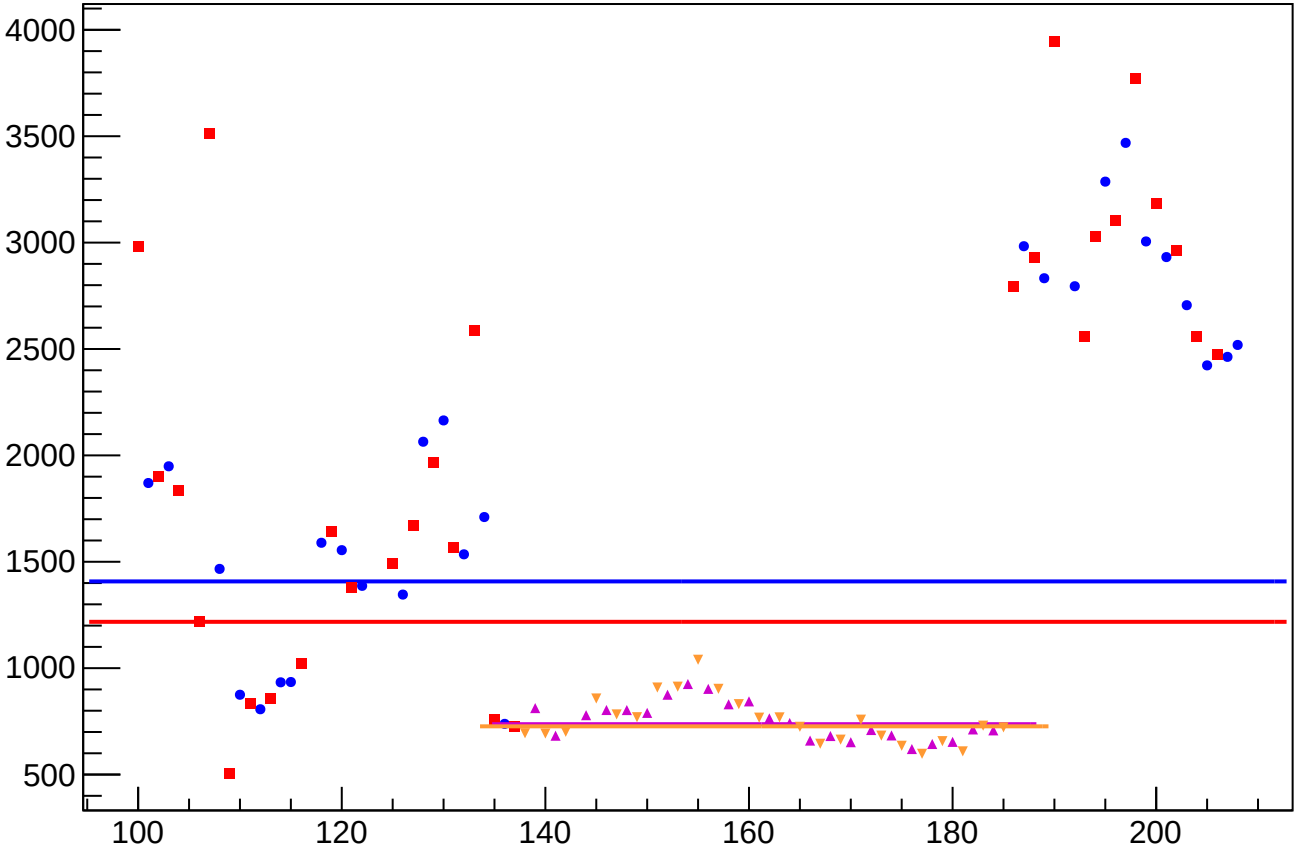
Right: 138.045+/-272.196 χ^2/NDF: 61.2/55

In: 64.455+/-159.366 χ^2/NDF:64.0/49

Out: -421.934+/-154.810 χ^2/NDF:92.8/52

All: -185.792+/-111.043 χ^2/NDF: 161.5/102

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1407.720+/-0.286 χ^2/NDF: 7172660.8/26

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1217.791+/-0.261 χ^2/NDF: 9917261.8/28

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

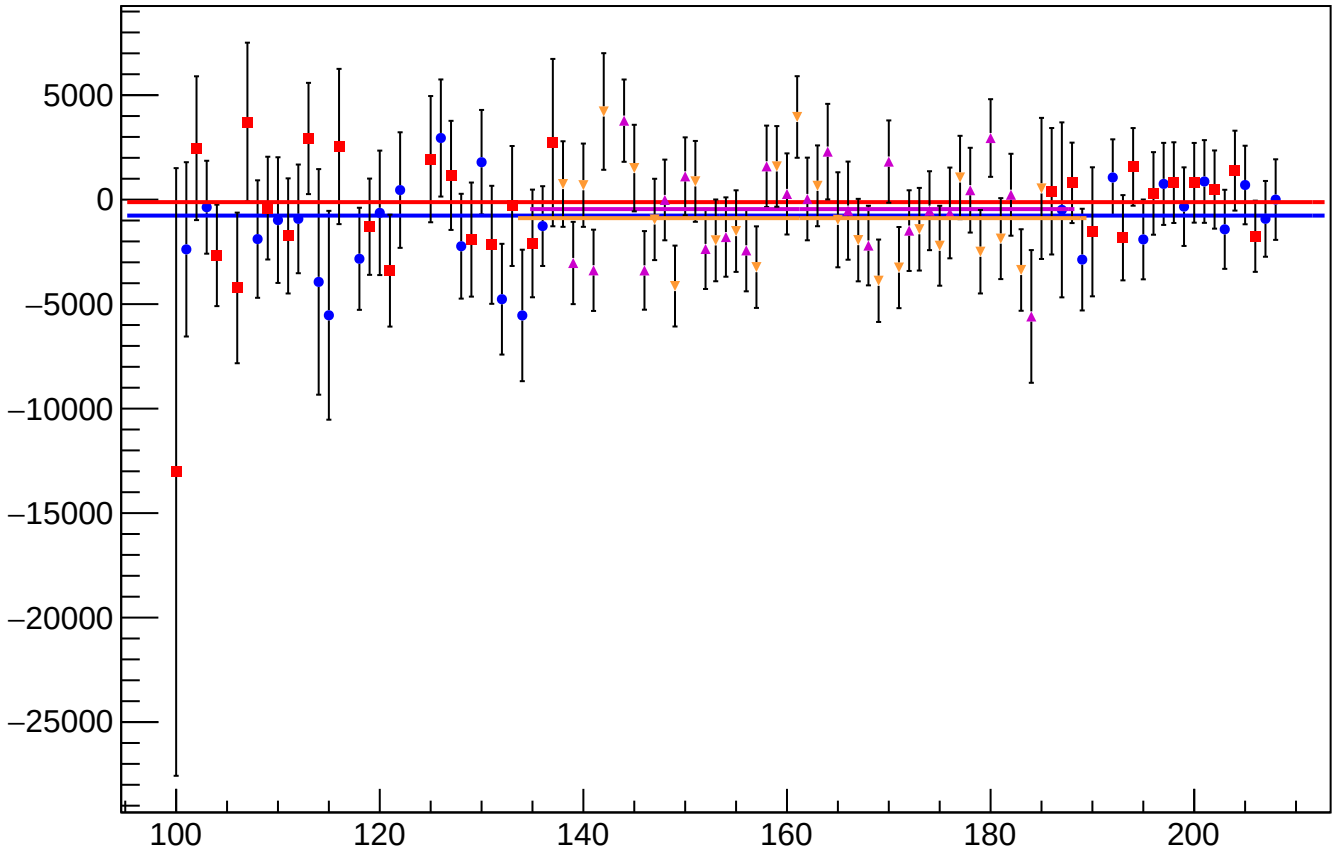
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1304.043+/-0.192 χ^2/NDF: 17331312.7/55

In: 841.165+/-0.113 χ^2/NDF:12298021.8/49

Out: 813.334+/-0.109 χ^2/NDF:13529391.1/52

All: 826.846+/-0.079 χ^2/NDF: 25858795.2/10



Right In: -763.747+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -119.495+/-455.859 χ^2/NDF: 15.6/28

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

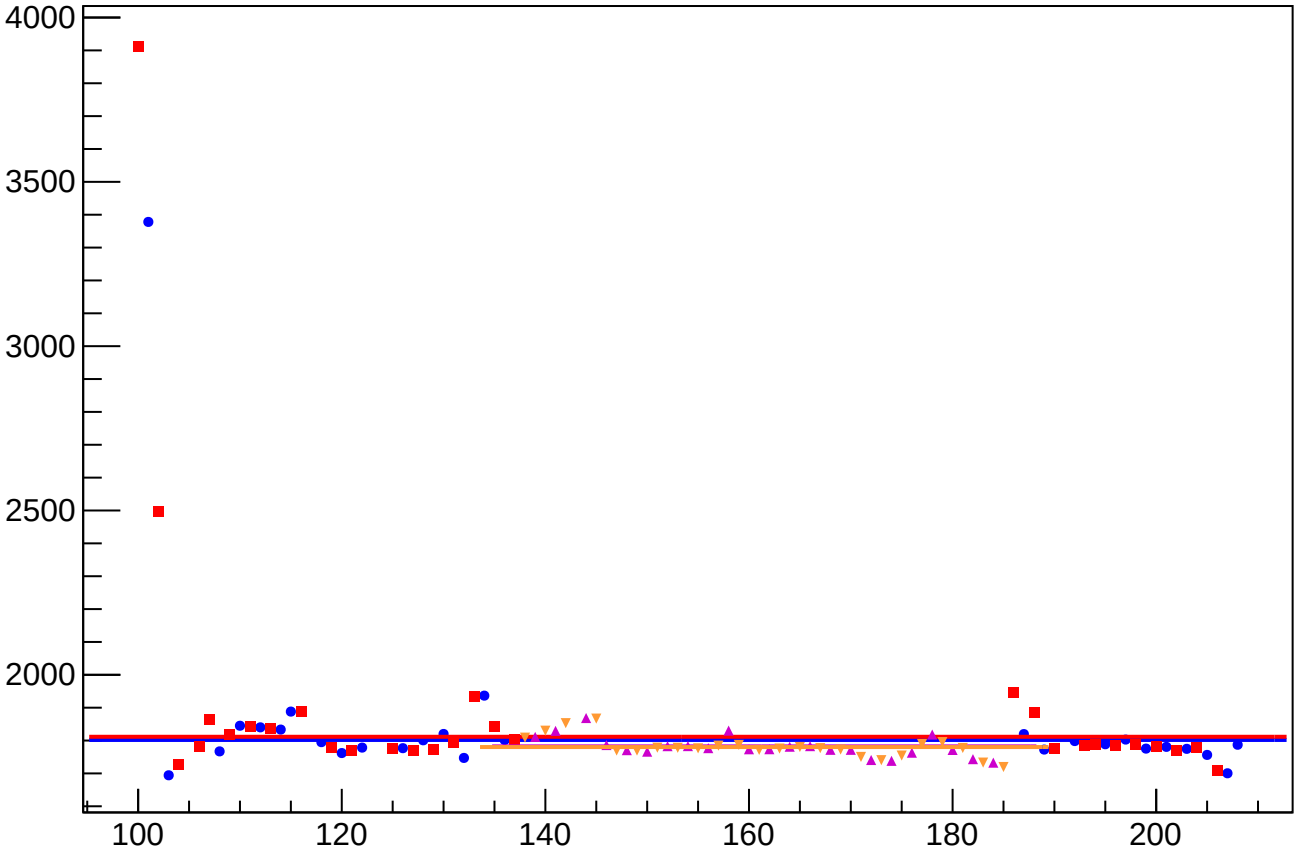
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -442.164+/-322.069 χ^2/NDF: 31.3/55

In: -594.659+/-307.128 χ^2/NDF:40.7/49

Out: -540.451+/-306.161 χ^2/NDF:45.3/52

All: -567.469+/-216.830 χ^2/NDF: 86.0/102



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.0/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.8/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

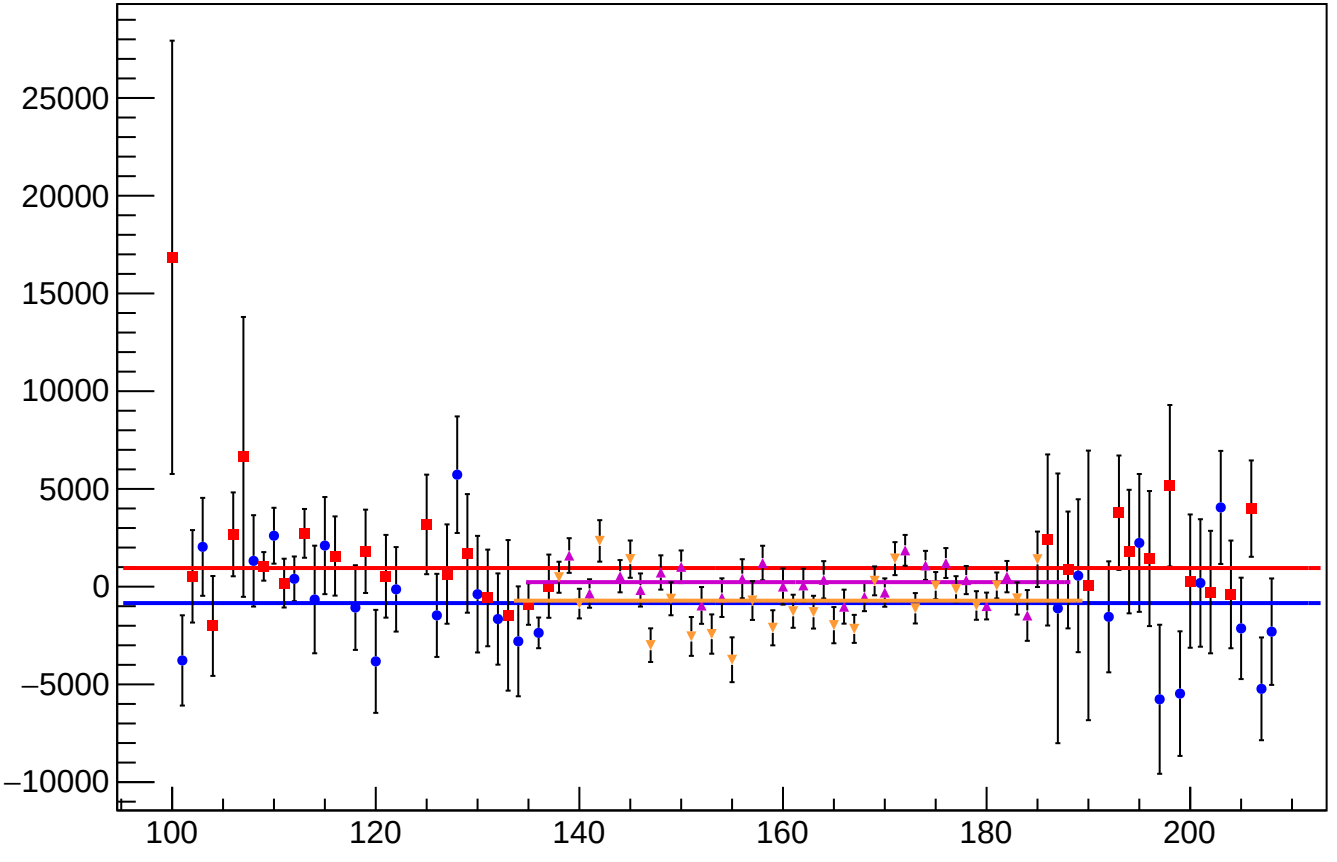
Right: 1806.625+/-0.228 χ^2/NDF: 456037.4/55

In: 1791.177+/-0.217 χ^2/NDF:319745.8/49

Out: 1794.317+/-0.216 χ^2/NDF:164611.2/52

All: 1792.752+/-0.153 χ^2/NDF: 484461.8/102

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -840.589+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 952.217+/-368.415 χ^2/NDF: 16.5/28

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

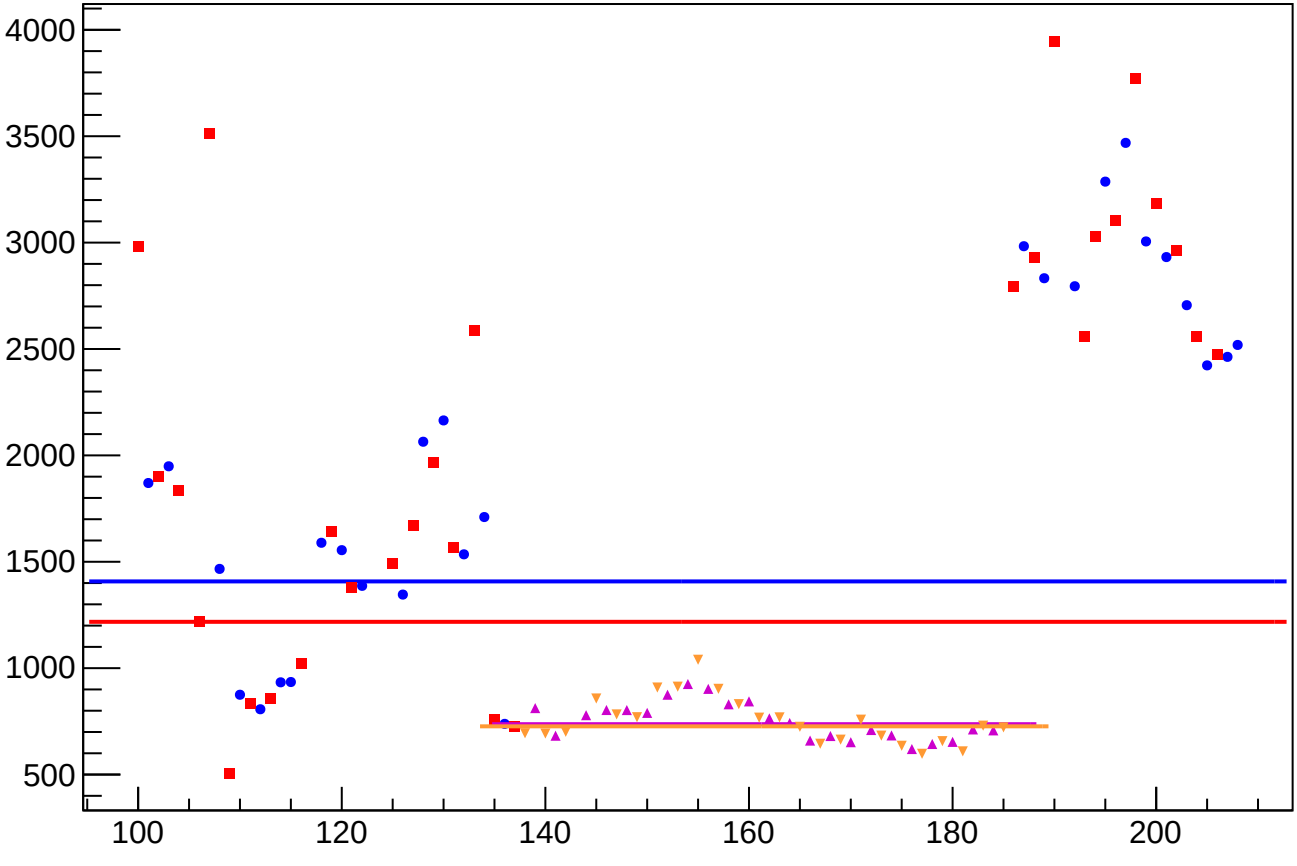
Right: 138.053+/-272.197 χ^2/NDF: 61.2/55

In: 64.455+/-159.366 χ^2/NDF:64.0/49

Out: -421.935+/-154.810 χ^2/NDF:92.8/52

All: -185.791+/-111.043 χ^2/NDF: 161.5/102

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1407.723+/-0.286 χ^2/NDF: 7172608.8/26

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1217.793+/-0.261 χ^2/NDF: 9917222.0/28

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

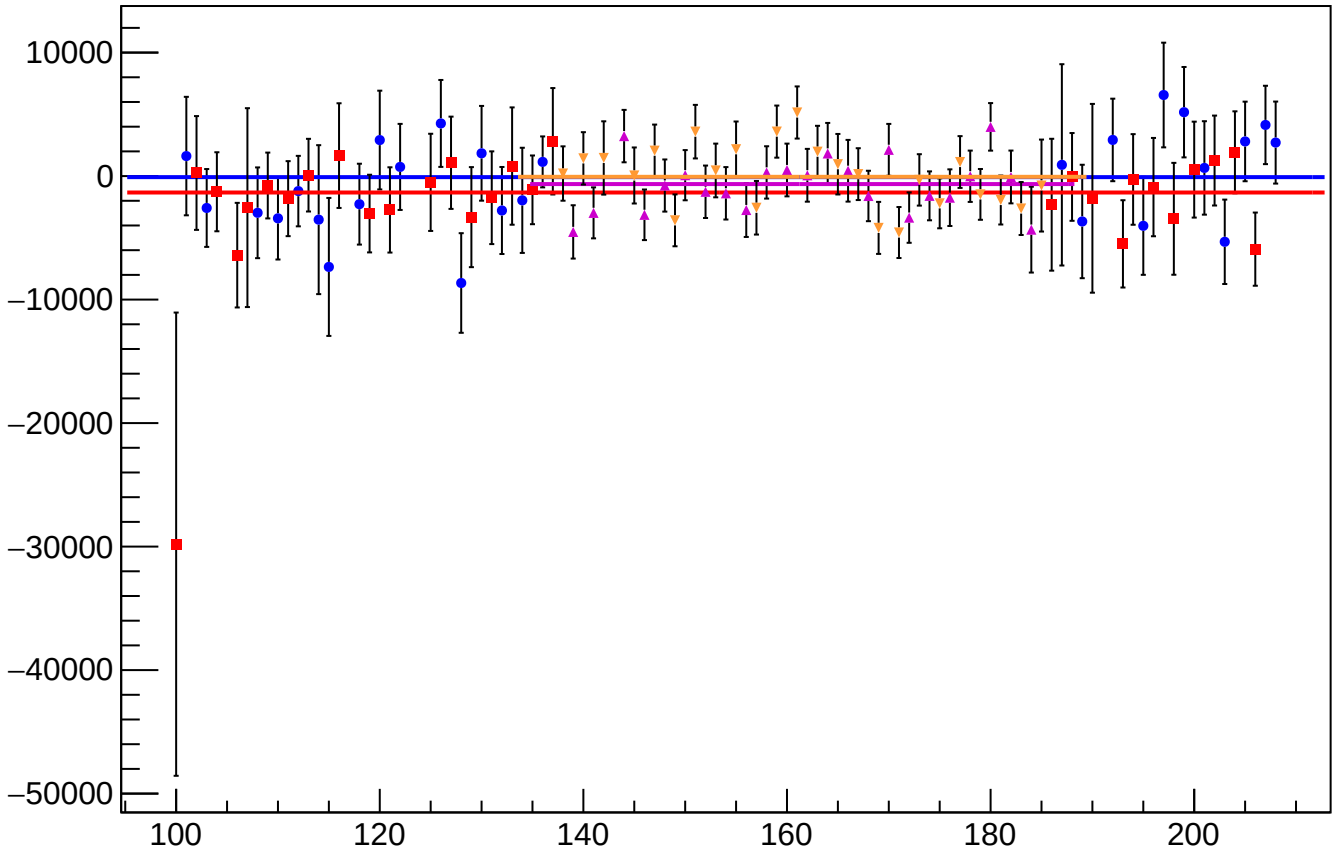
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1304.046+/-0.192 χ^2/NDF: 17331221.1/55

In: 841.165+/-0.113 χ^2/NDF:12298022.5/49

Out: 813.335+/-0.109 χ^2/NDF:13529369.4/52

All: 826.846+/-0.079 χ^2/NDF: 25858772.3/10



Right In: -84.837+/-690.503 χ^2/NDF: 25.7/26

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1329.898+/-696.058 χ^2/NDF: 12.9/28

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

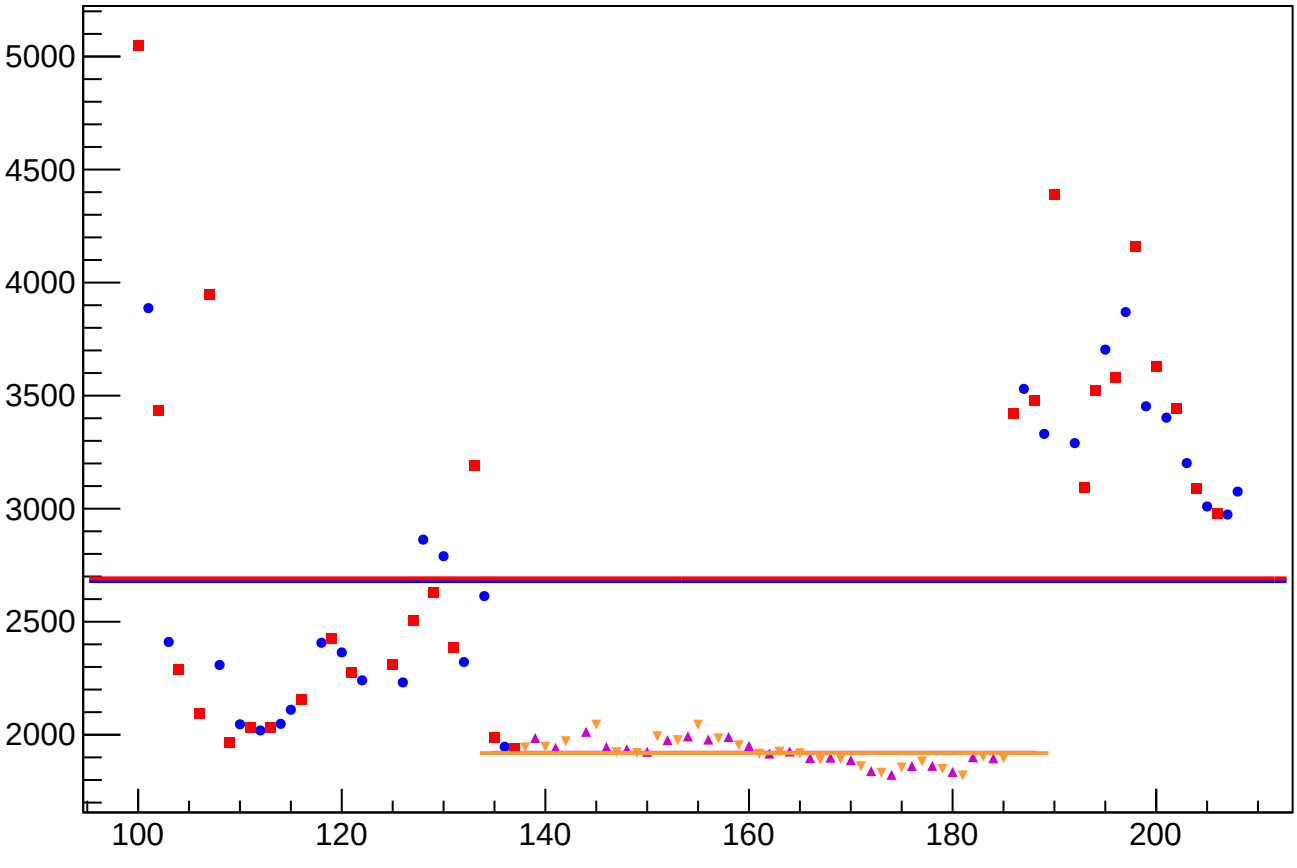
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -702.379+/-490.211 χ^2/NDF: 40.2/55

In: -480.118+/-376.146 χ^2/NDF:49.8/49

Out: -428.860+/-375.287 χ^2/NDF:48.3/52

All: -454.430+/-265.671 χ^2/NDF: 98.1/102



Right In: 2679.799+/-0.488 χ^2/NDF: 1448616.1/26

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2691.714+/-0.492 χ^2/NDF: 1793359.6/28

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

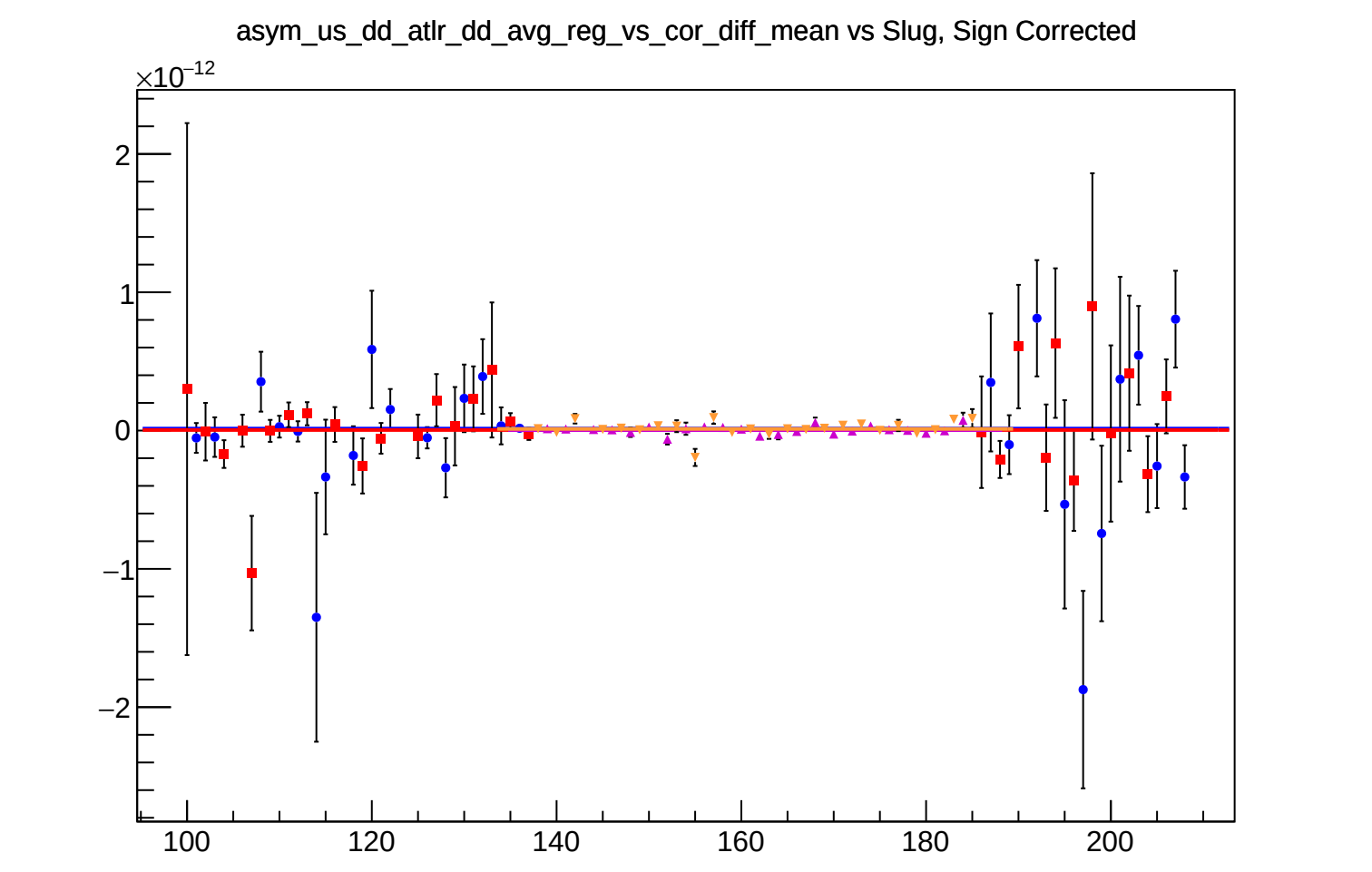
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2685.709+/-0.347 χ^2/NDF: 3242271.0/55

In: 2145.617+/-0.266 χ^2/NDF:3180552.9/49

Out: 2143.608+/-0.265 χ^2/NDF:3577339.3/52

All: 2144.610+/-0.188 χ^2/NDF: 6757920.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/28

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

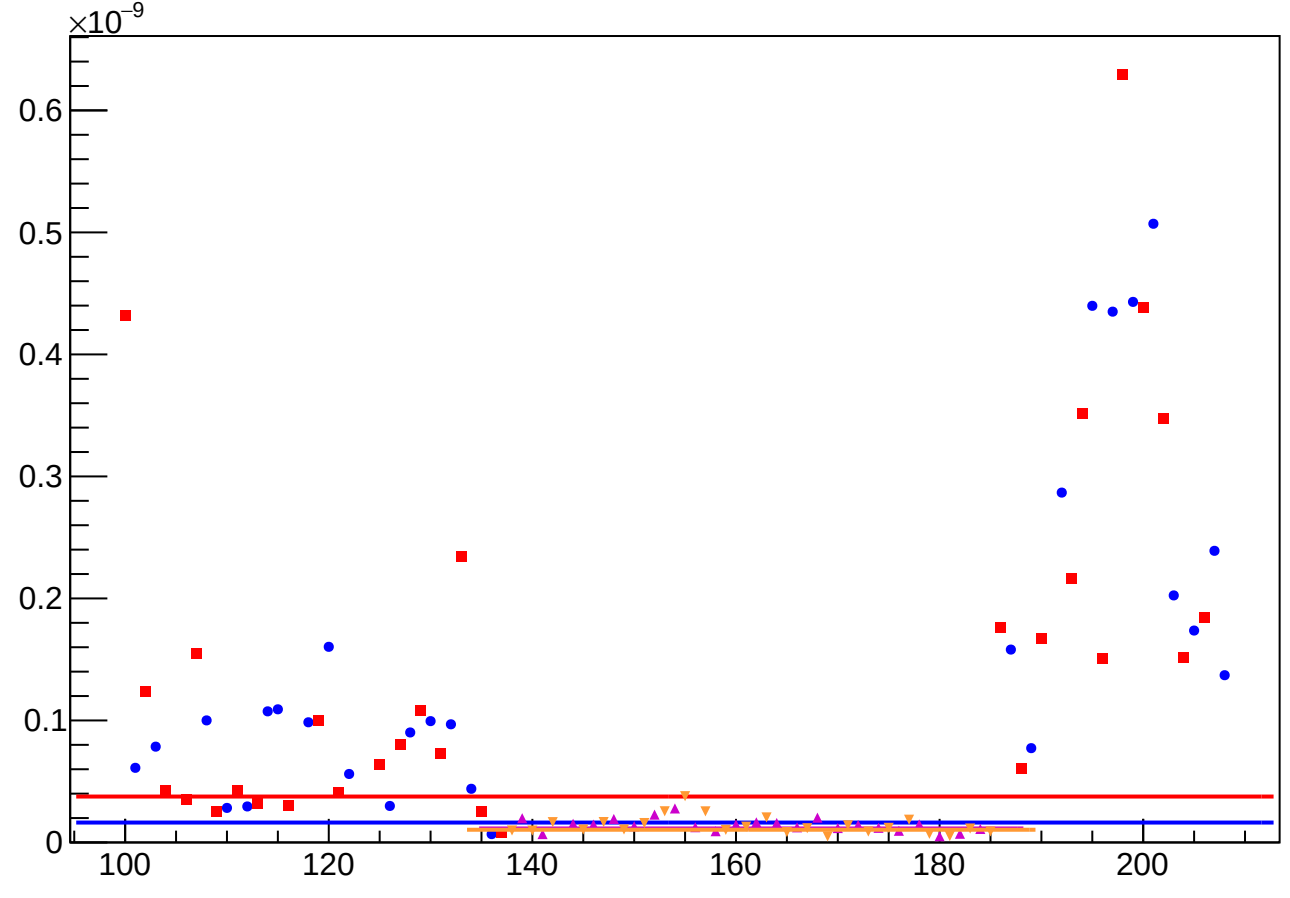
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 69.2/55

In: 0.000+/-0.000 χ^2/NDF:59.1/49

Out: 0.000+/-0.000 χ^2/NDF:68.3/52

All: 0.000+/-0.000 χ^2/NDF: 128.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 10197192.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7386683.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

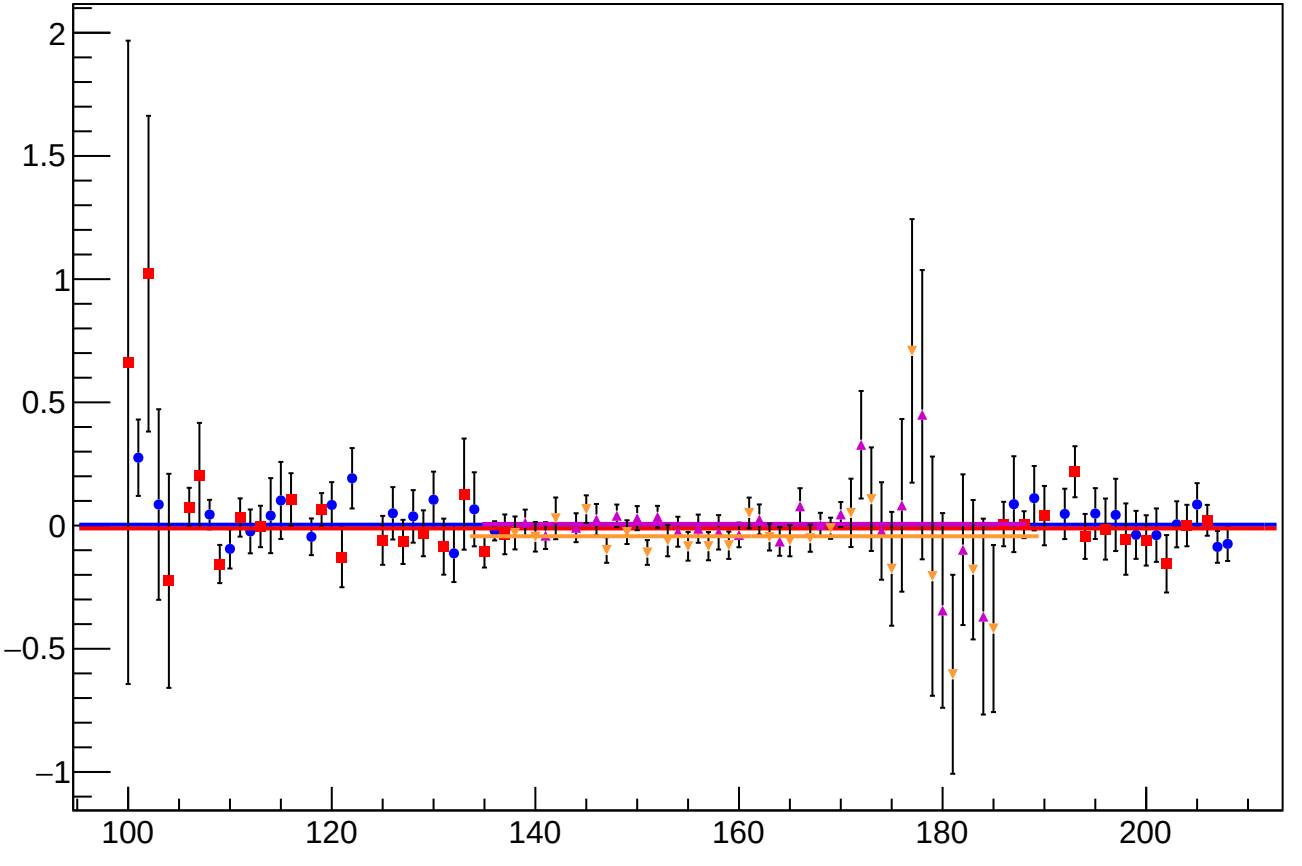
Right: 0.000+/-0.000 χ^2/NDF: 18819559.2/55

In: 0.000+/-0.000 χ^2/NDF:12307918.0/49

Out: 0.000+/-0.000 χ^2/NDF:12081417.4/52

All: 0.000+/-0.000 χ^2/NDF: 24402581.8/102

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

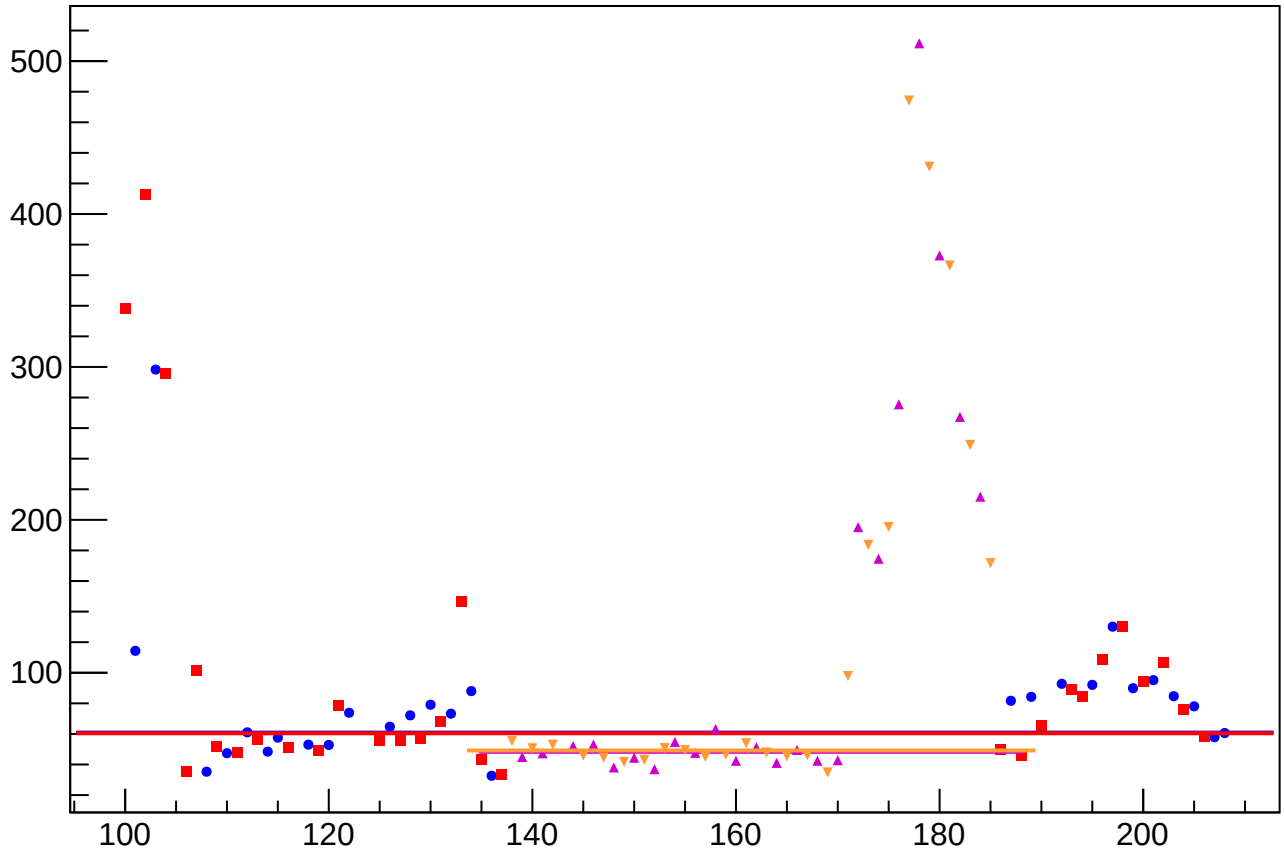
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.004+/-0.012 χ^2/NDF: 41.7/55

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 79.2/102



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

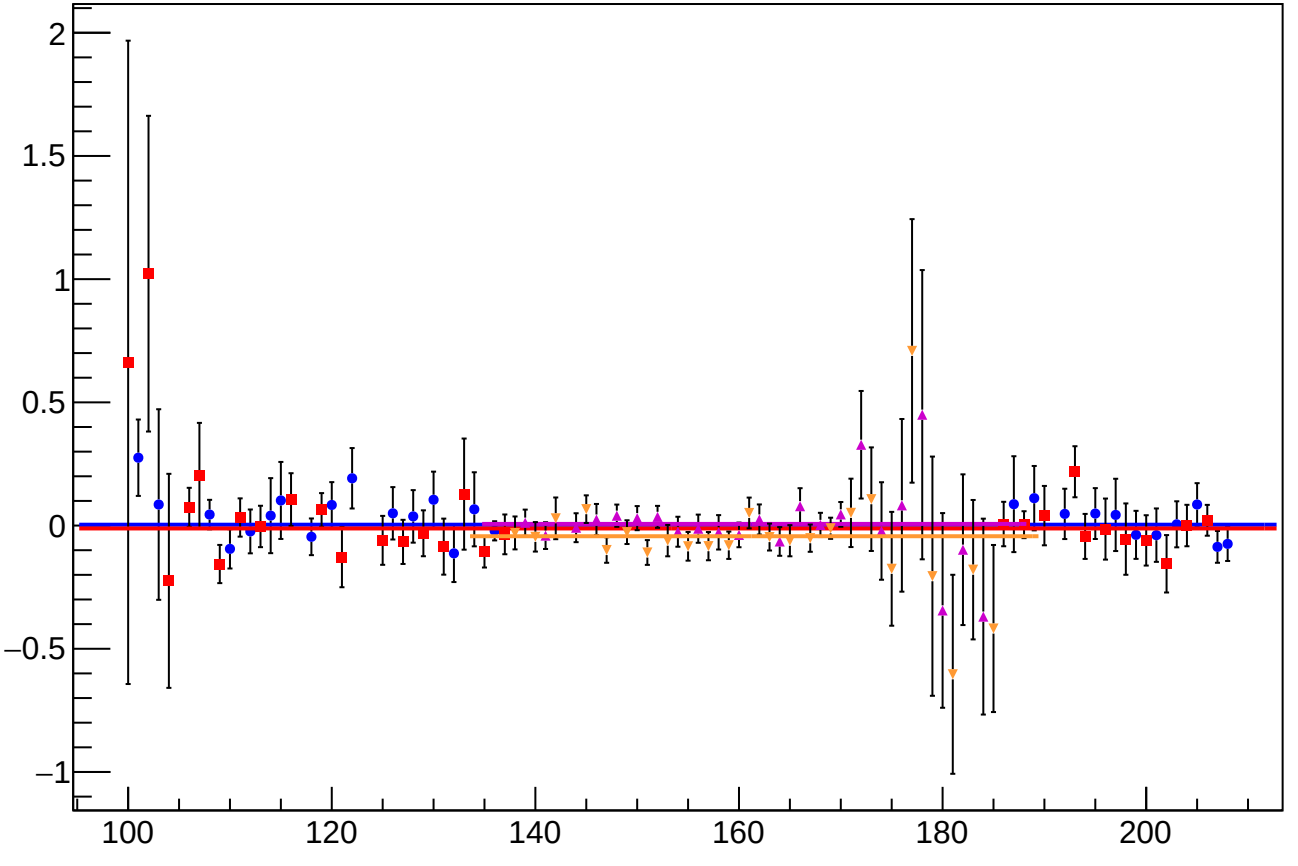
Right: 60.645+/-0.009 χ^2/NDF: 8478328.6/55

In: 53.029+/-0.008 χ^2/NDF:11894365.7/49

Out: 53.555+/-0.008 χ^2/NDF:12031465.7/52

All: 53.287+/-0.005 χ^2/NDF: 23928211.8/102

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

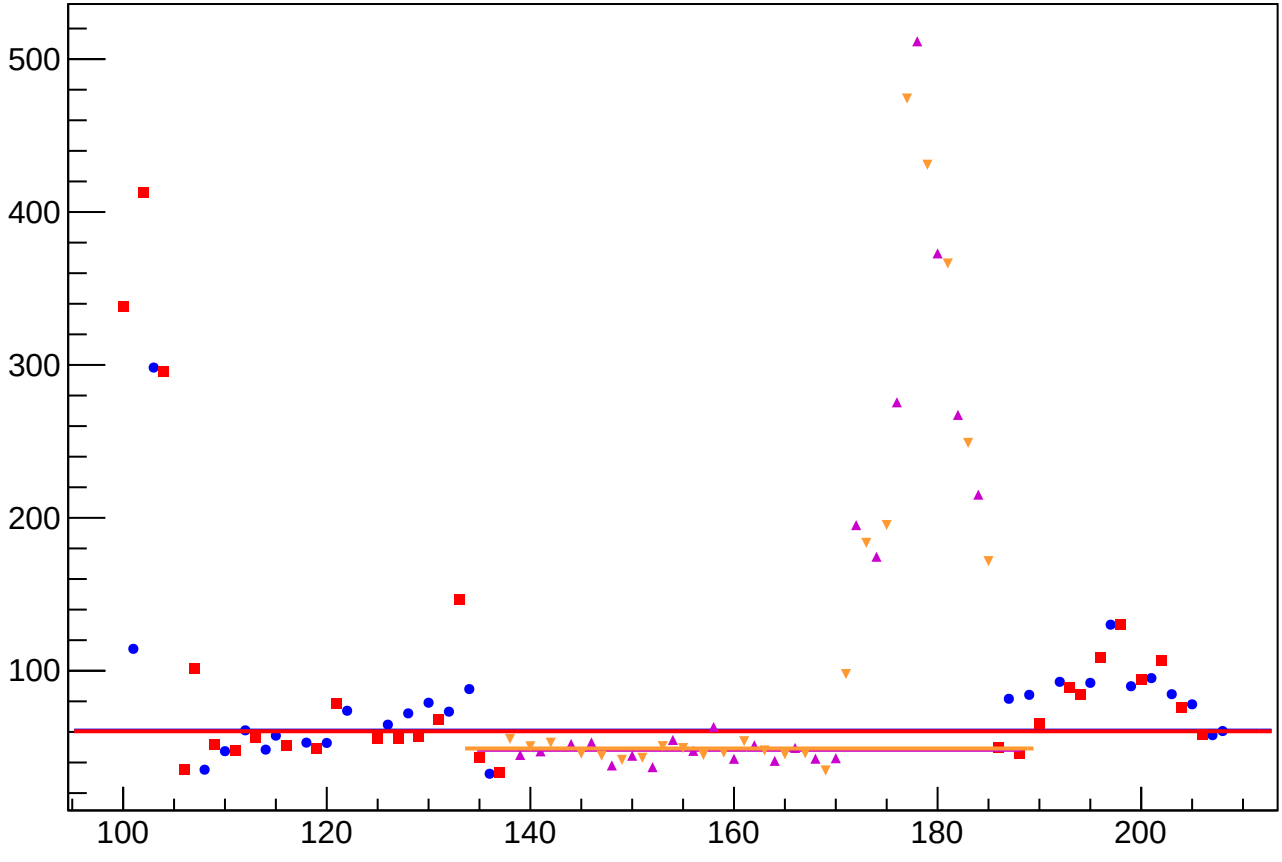
Right: -0.004+/-0.012 χ^2/NDF: 41.7/55

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 79.2/102

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

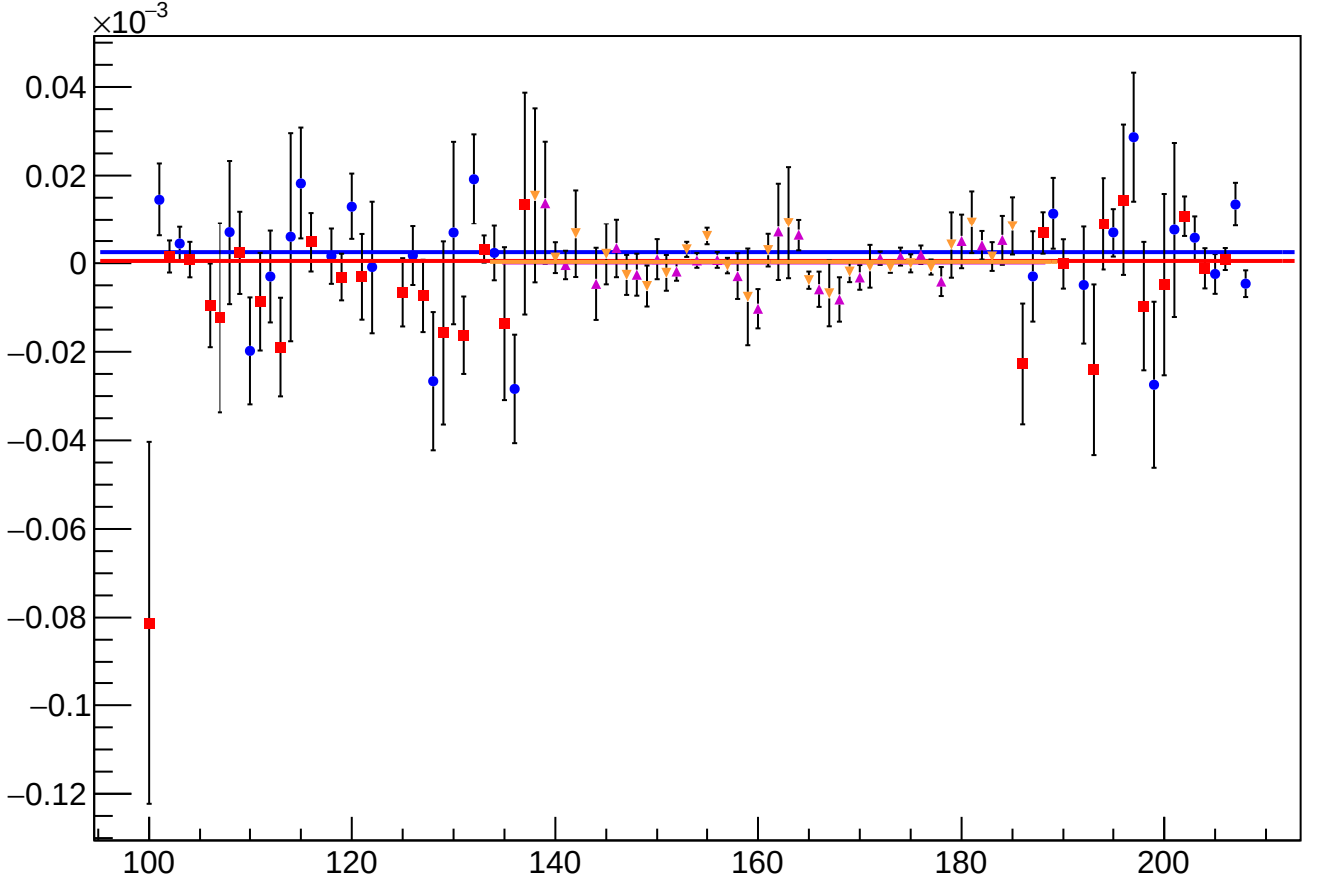
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.645+/-0.009 χ^2/NDF: 8478328.6/55

In: 53.029+/-0.008 χ^2/NDF:11894365.7/49

Out: 53.555+/-0.008 χ^2/NDF:12031465.7/52

All: 53.287+/-0.005 χ^2/NDF: 23928211.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/28

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

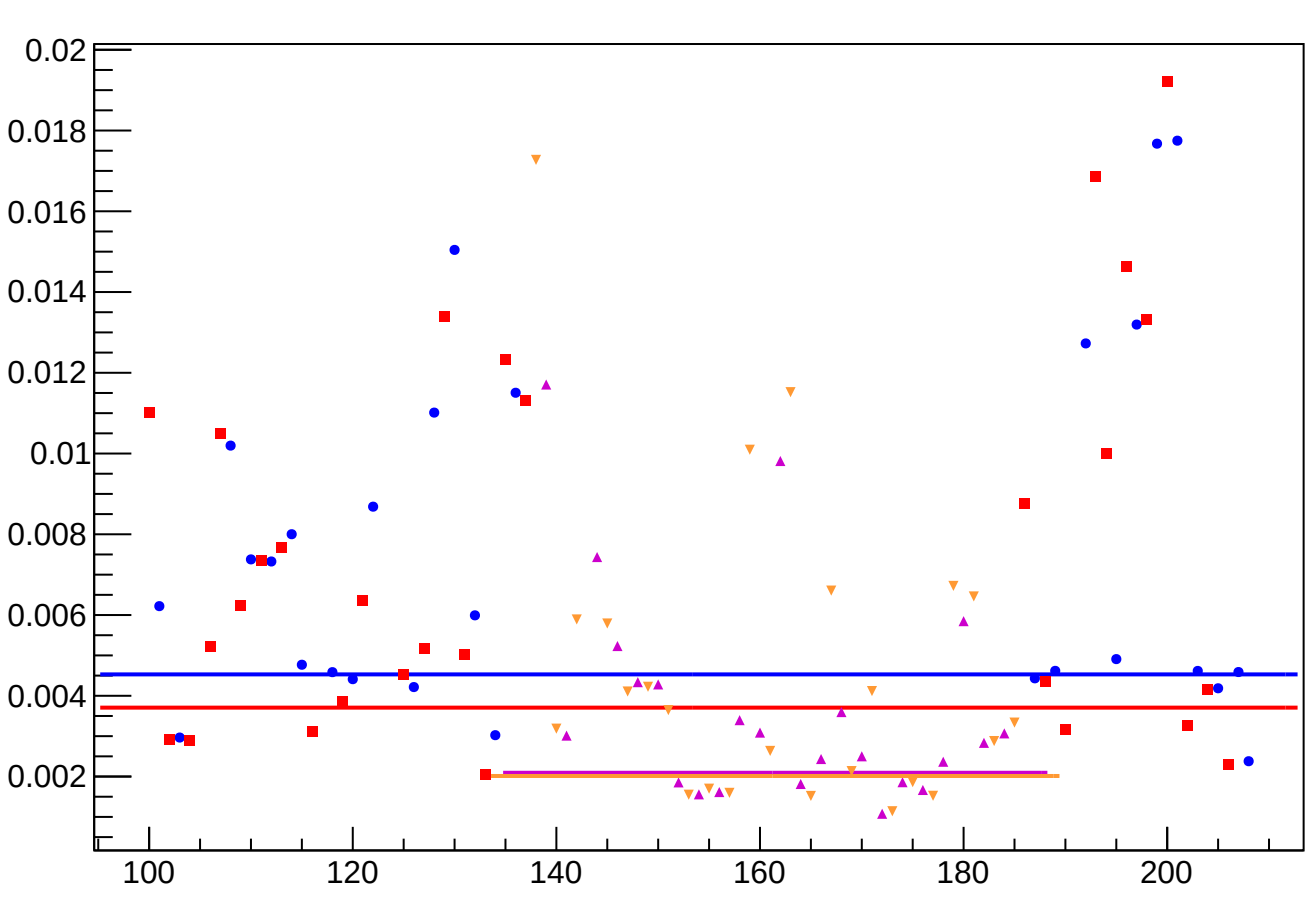
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 75.8/55

In: 0.000+/-0.000 χ^2/NDF:70.7/49

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: 0.000+/-0.000 χ^2/NDF: 131.2/102



Right In: 0.005+/-0.000 χ^2/NDF: 7188750.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 8616952.5/28

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

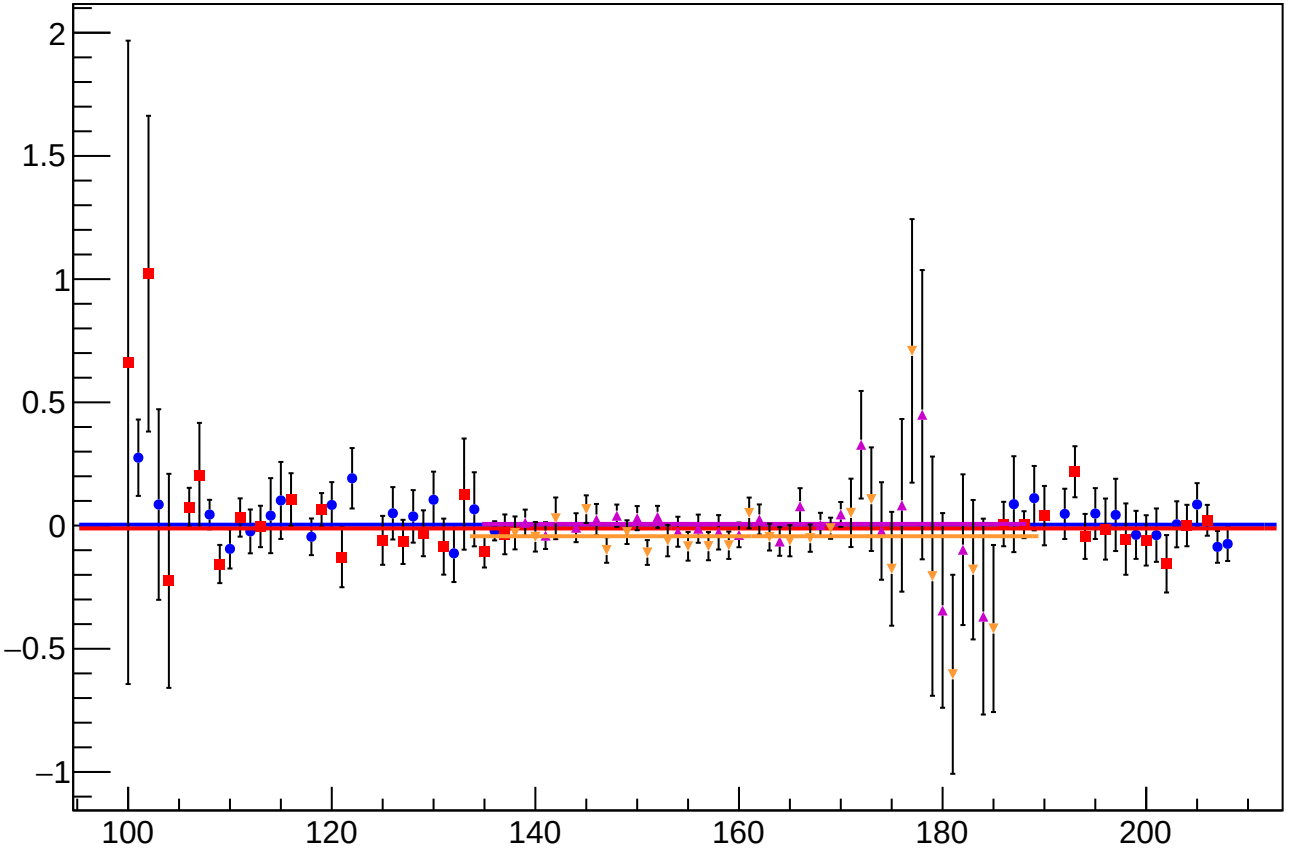
Right: 0.004+/-0.000 χ^2/NDF: 16238802.2/55

In: 0.003+/-0.000 χ^2/NDF:19727401.5/49

Out: 0.002+/-0.000 χ^2/NDF:22418605.0/52

All: 0.002+/-0.000 χ^2/NDF: 42229308.4/102

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

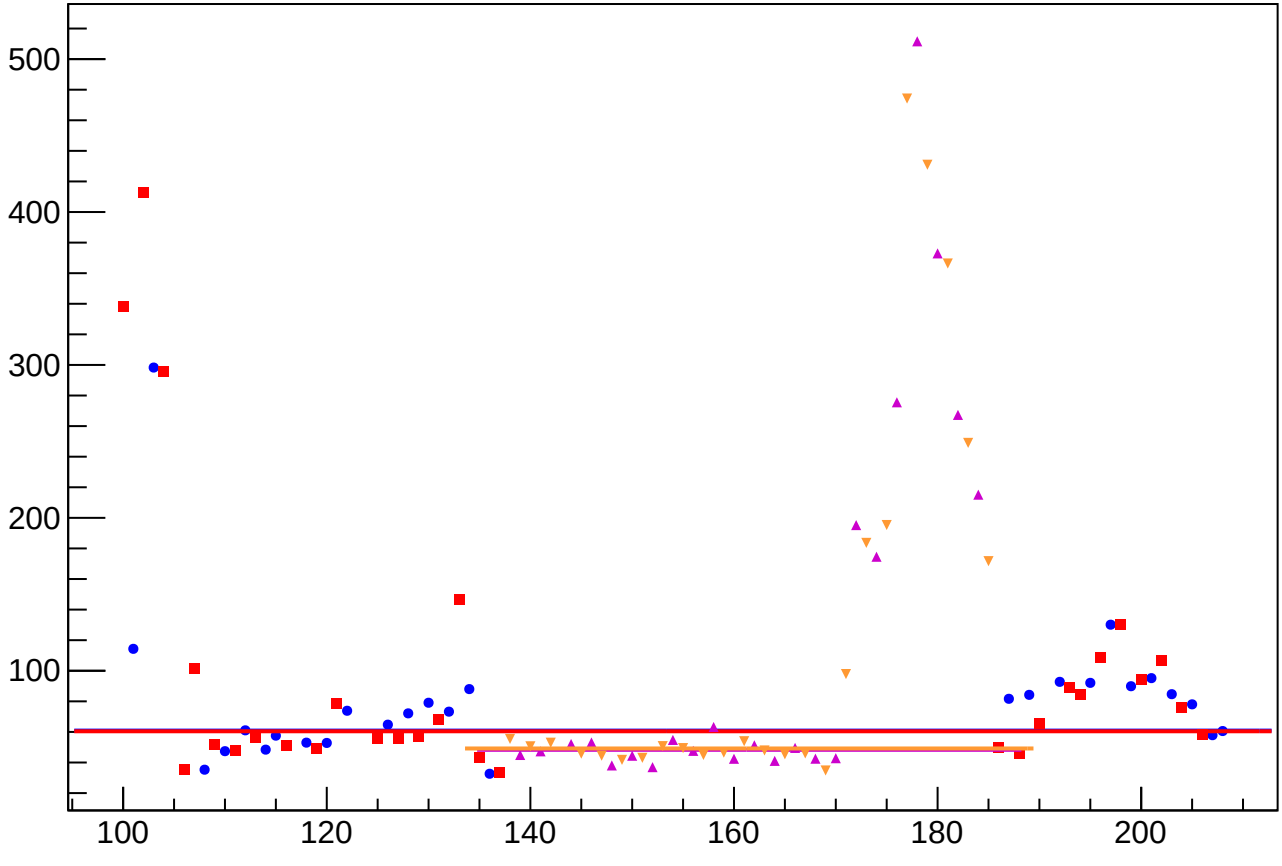
Right: -0.004+/-0.012 χ^2/NDF: 41.7/55

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 79.2/102

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

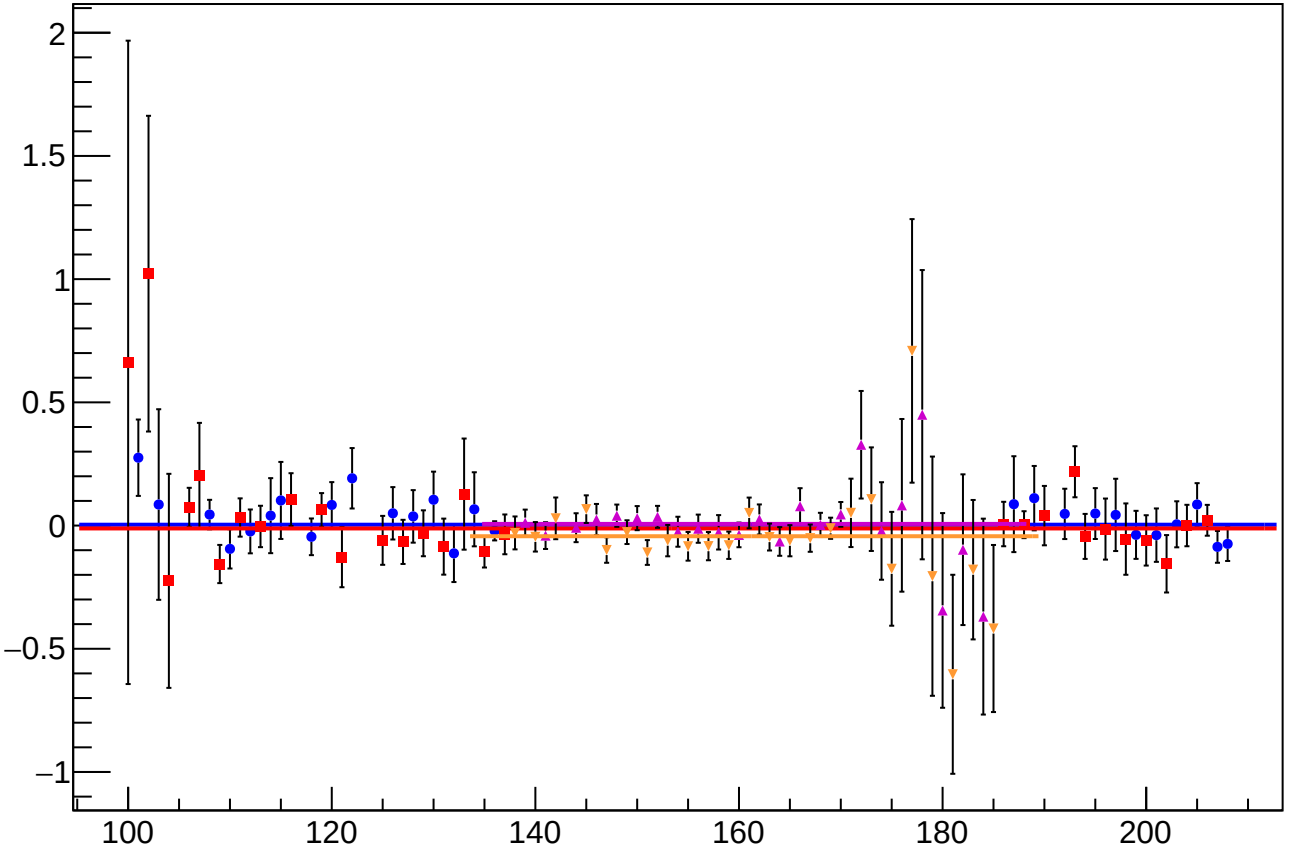
Right: 60.645+/-0.009 χ^2/NDF: 8478029.8/55

In: 53.029+/-0.008 χ^2/NDF:11894117.2/49

Out: 53.555+/-0.008 χ^2/NDF:12031427.0/52

All: 53.287+/-0.005 χ^2/NDF: 23927922.3/102

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

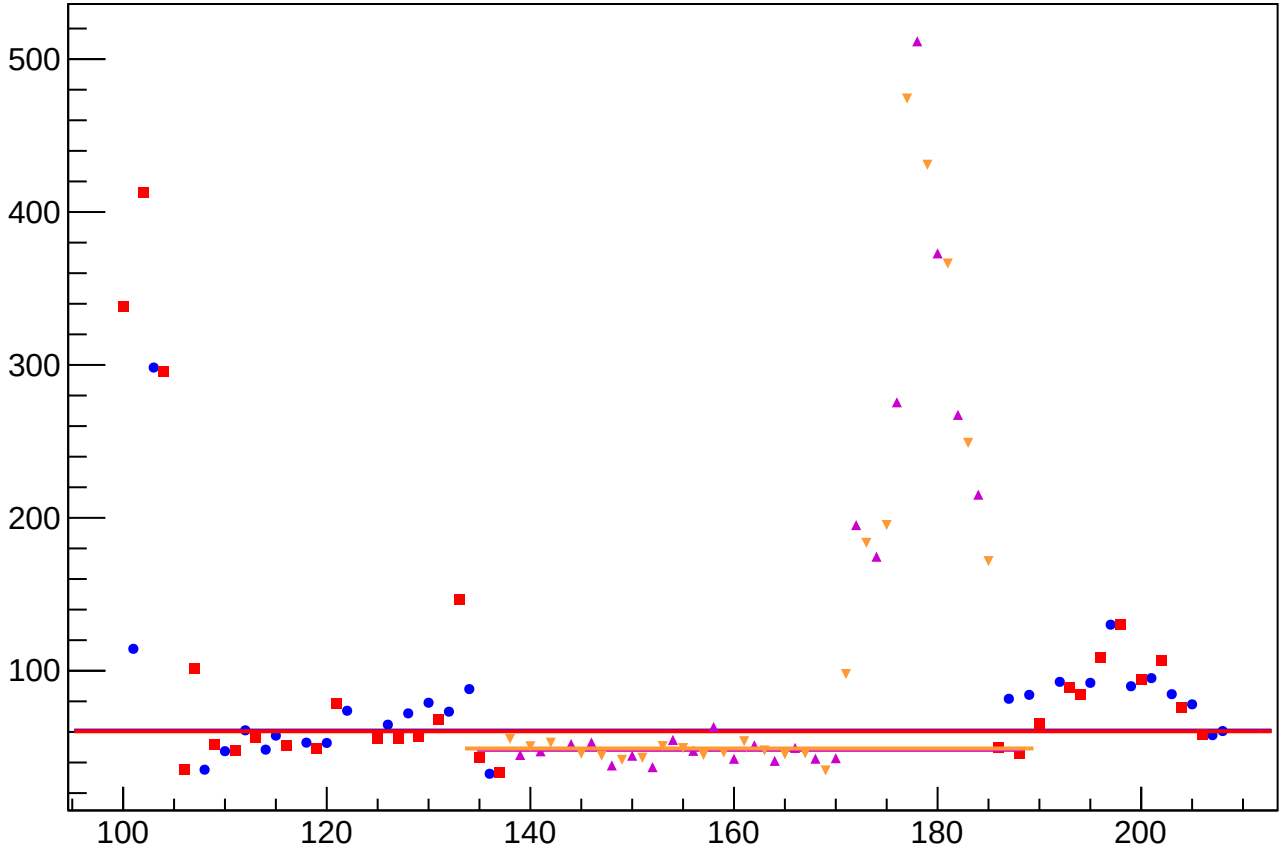
Right: -0.004+/-0.012 χ^2/NDF: 41.7/55

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 79.2/102

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

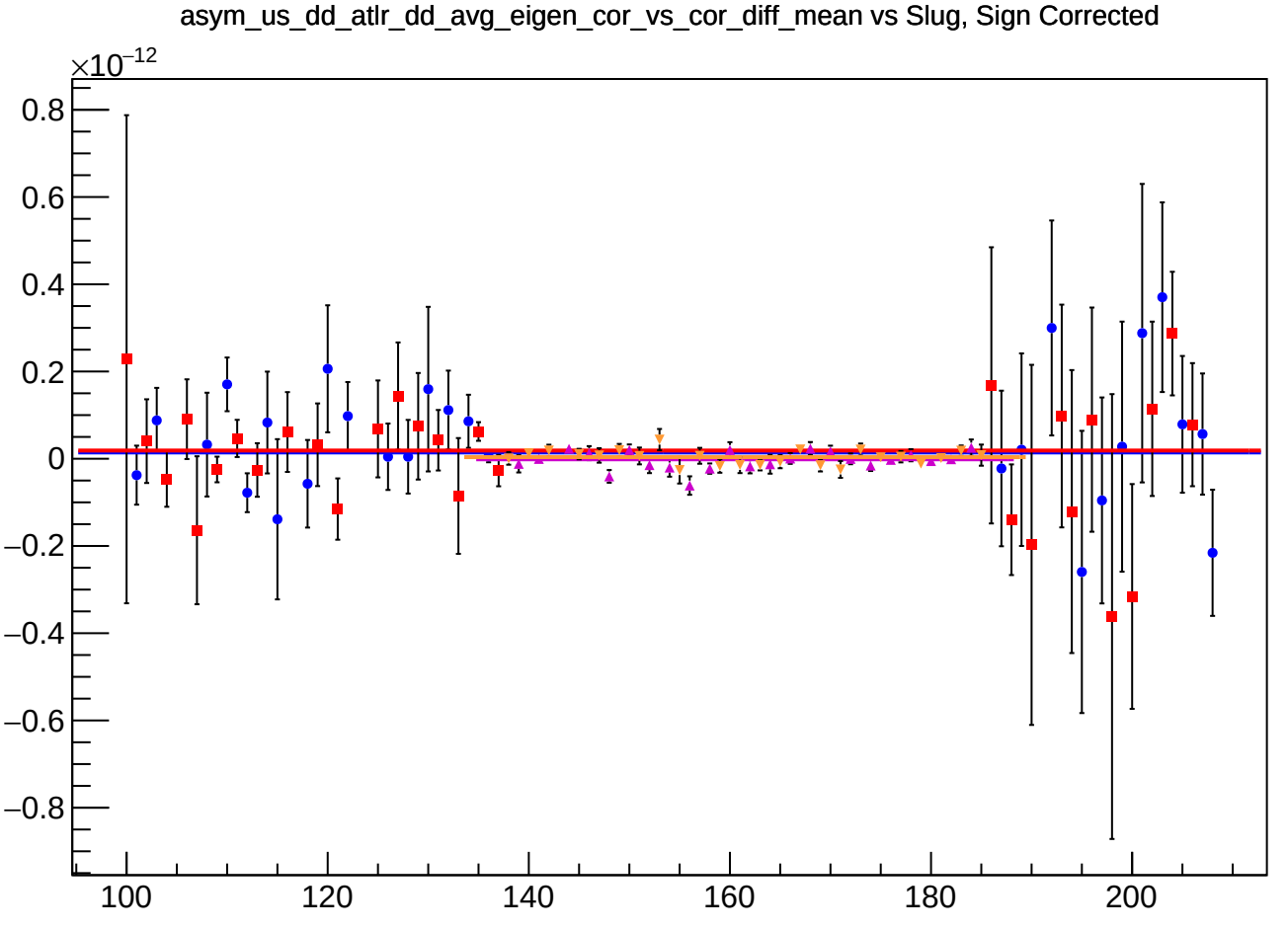
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.645+/-0.009 χ^2/NDF: 8478029.8/55

In: 53.029+/-0.008 χ^2/NDF:11894117.2/49

Out: 53.555+/-0.008 χ^2/NDF:12031427.0/52

All: 53.287+/-0.005 χ^2/NDF: 23927922.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

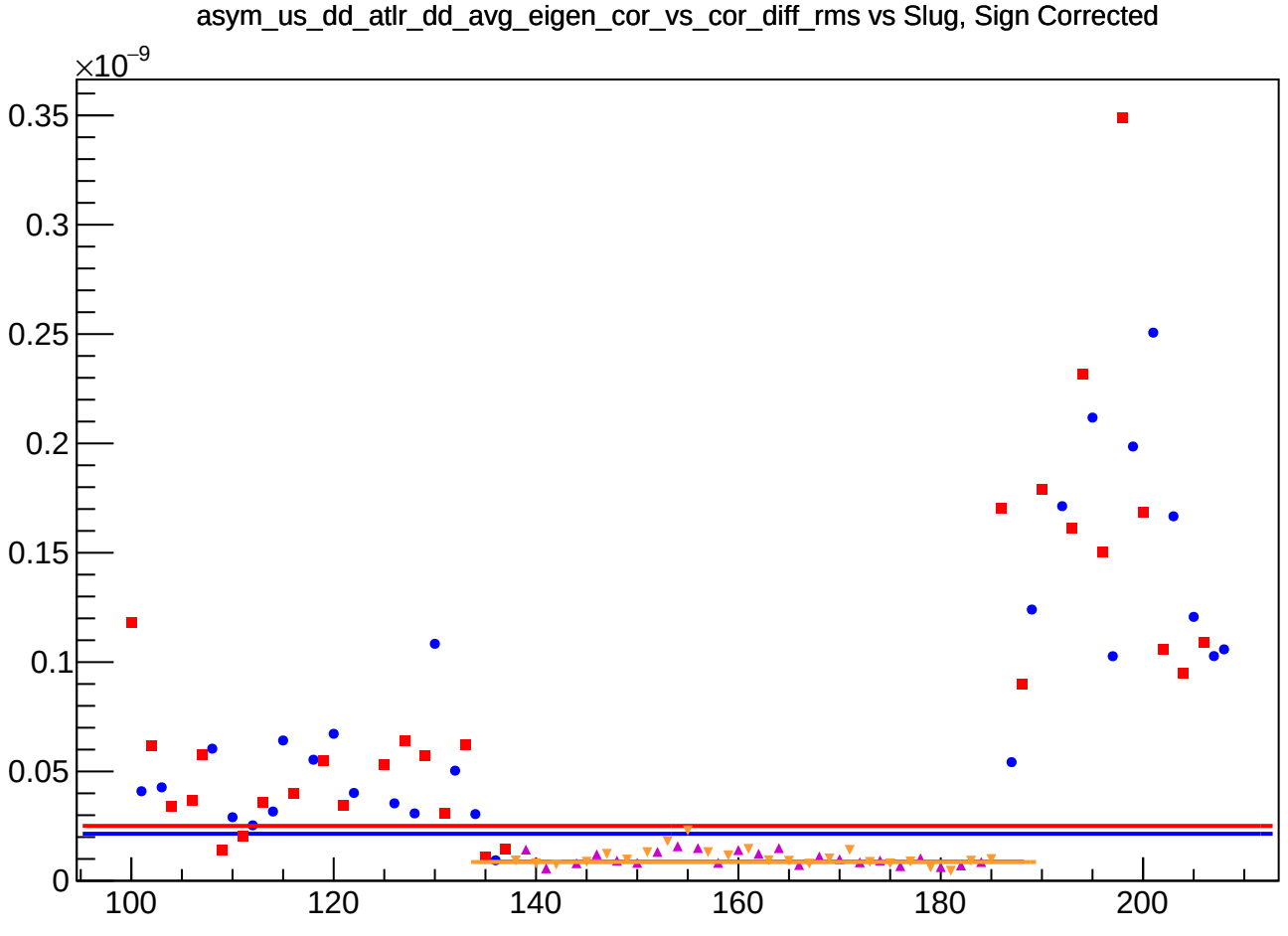
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 55.5/55

In: -0.000+/-0.000 χ^2/NDF:70.7/49

Out: 0.000+/-0.000 χ^2/NDF:52.7/52

All: 0.000+/-0.000 χ^2/NDF: 125.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 10486449.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8842162.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

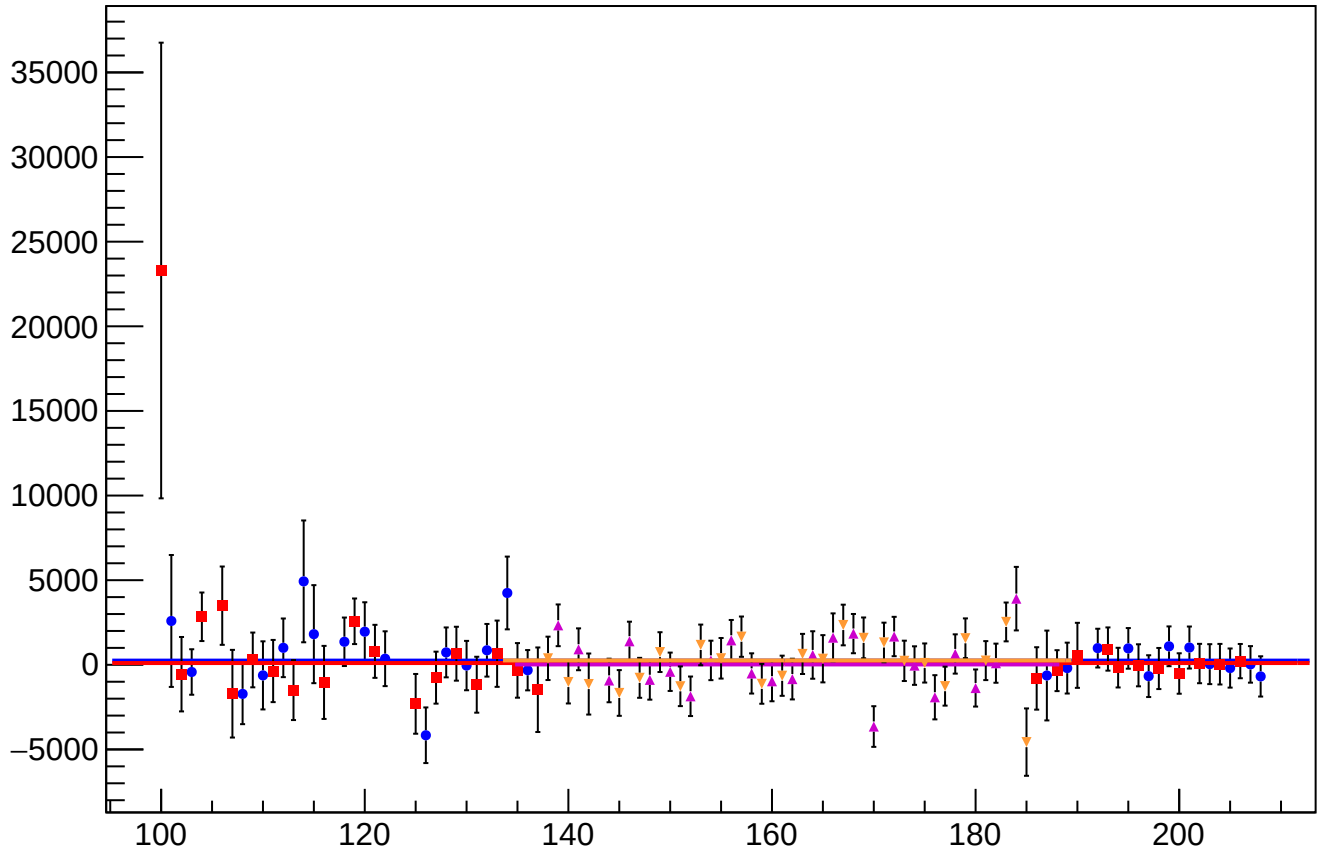
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 19422637.2/55

In: 0.000+/-0.000 χ^2/NDF:14926350.6/49

Out: 0.000+/-0.000 χ^2/NDF:14795163.6/52

All: 0.000+/-0.000 χ^2/NDF: 29723922.1/102



Right In: 247.765+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 104.404+/-282.347 χ^2/NDF: 18.8/28

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

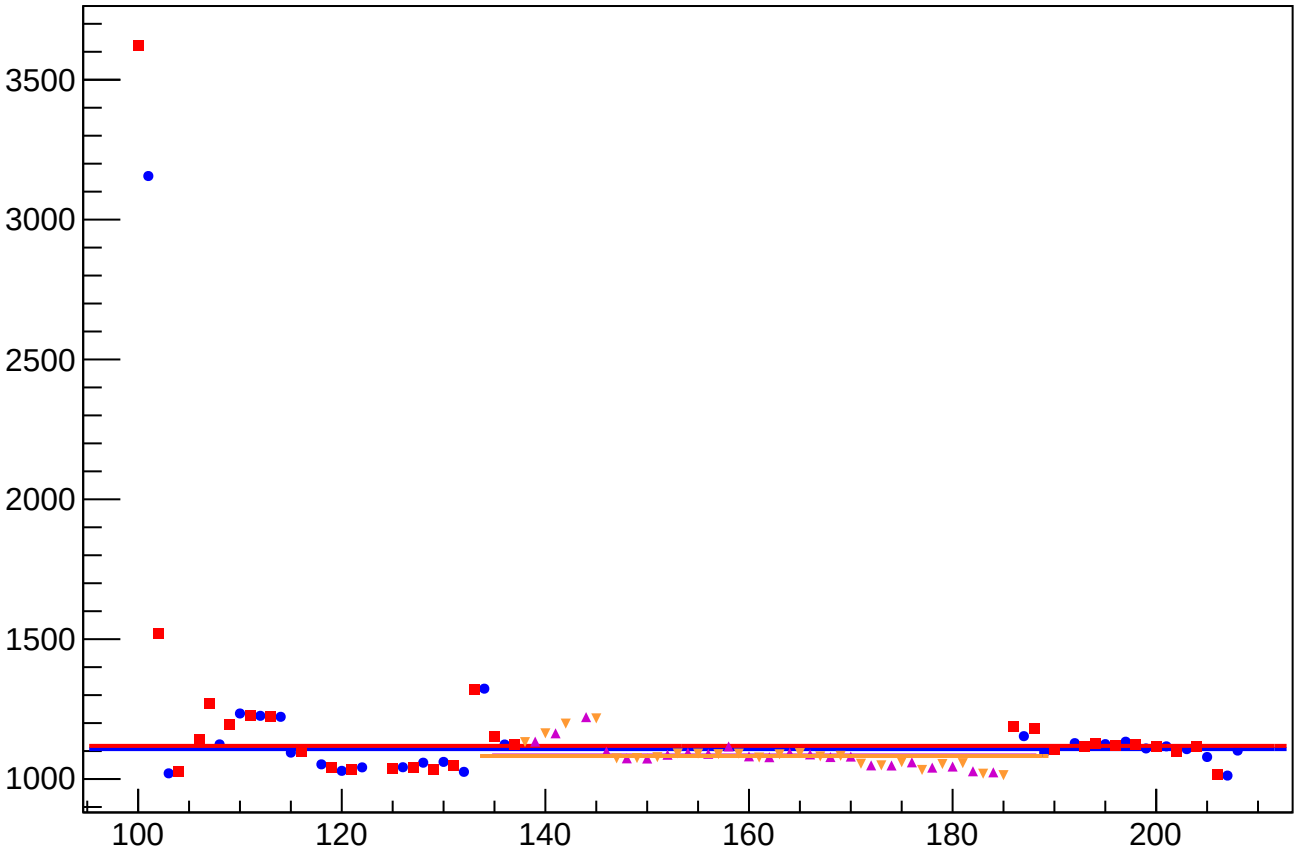
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 176.380+/-199.238 χ^2/NDF: 39.1/55

In: 123.353+/-188.212 χ^2/NDF:56.4/49

Out: 191.556+/-187.759 χ^2/NDF:47.2/52

All: 157.536+/-132.925 χ^2/NDF: 103.6/102



Right In: 1106.949+/-0.199 χ^2/NDF: 643847.5/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1118.545+/-0.200 χ^2/NDF: 251516.3/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

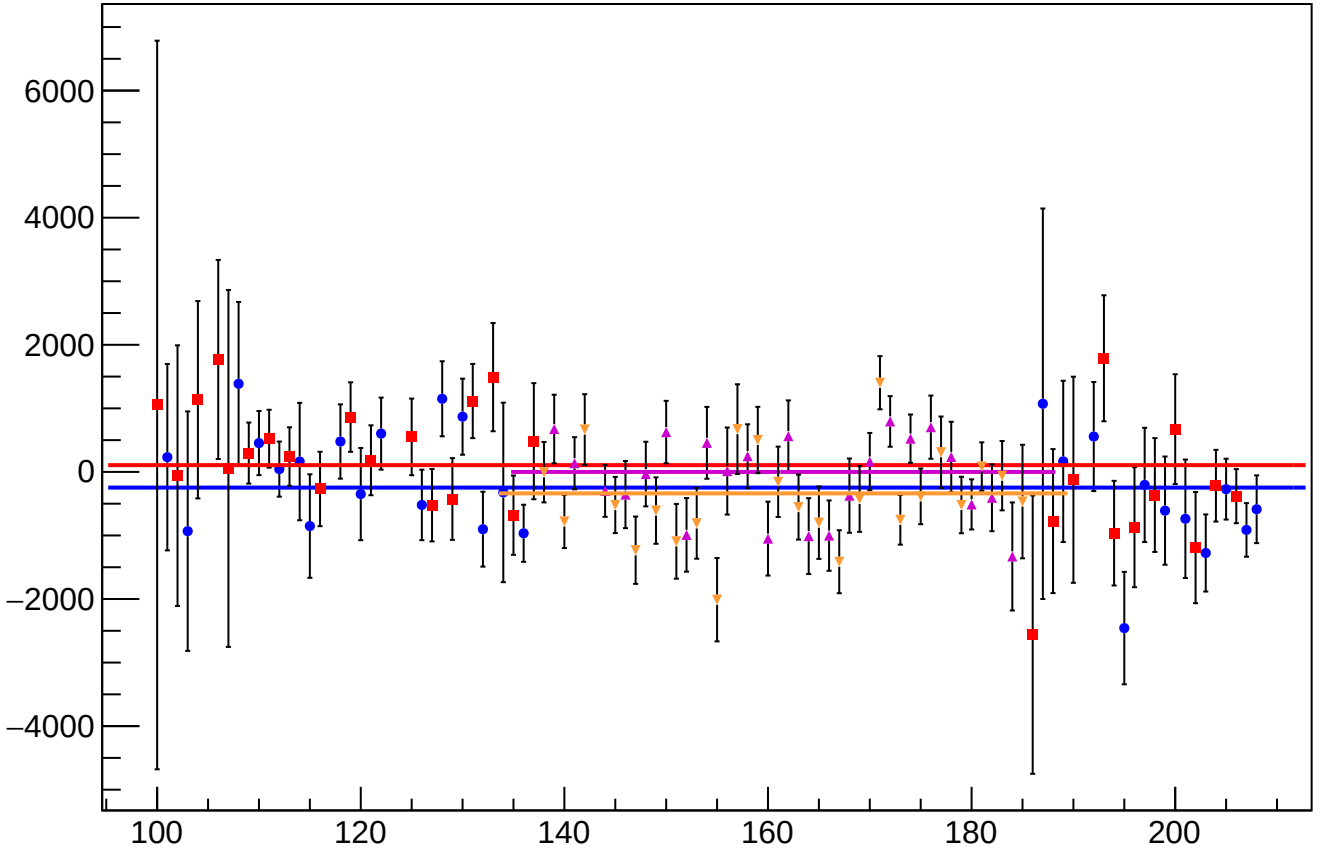
Right: 1112.723+/-0.141 χ^2/NDF: 897057.6/55

In: 1094.373+/-0.133 χ^2/NDF:704533.3/49

Out: 1098.332+/-0.133 χ^2/NDF:327765.2/52

All: 1096.358+/-0.094 χ^2/NDF: 1032742.0/10

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.707+/-127.183 χ^2/NDF: 35.6/26

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 106.432+/-130.709 χ^2/NDF: 27.2/28

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

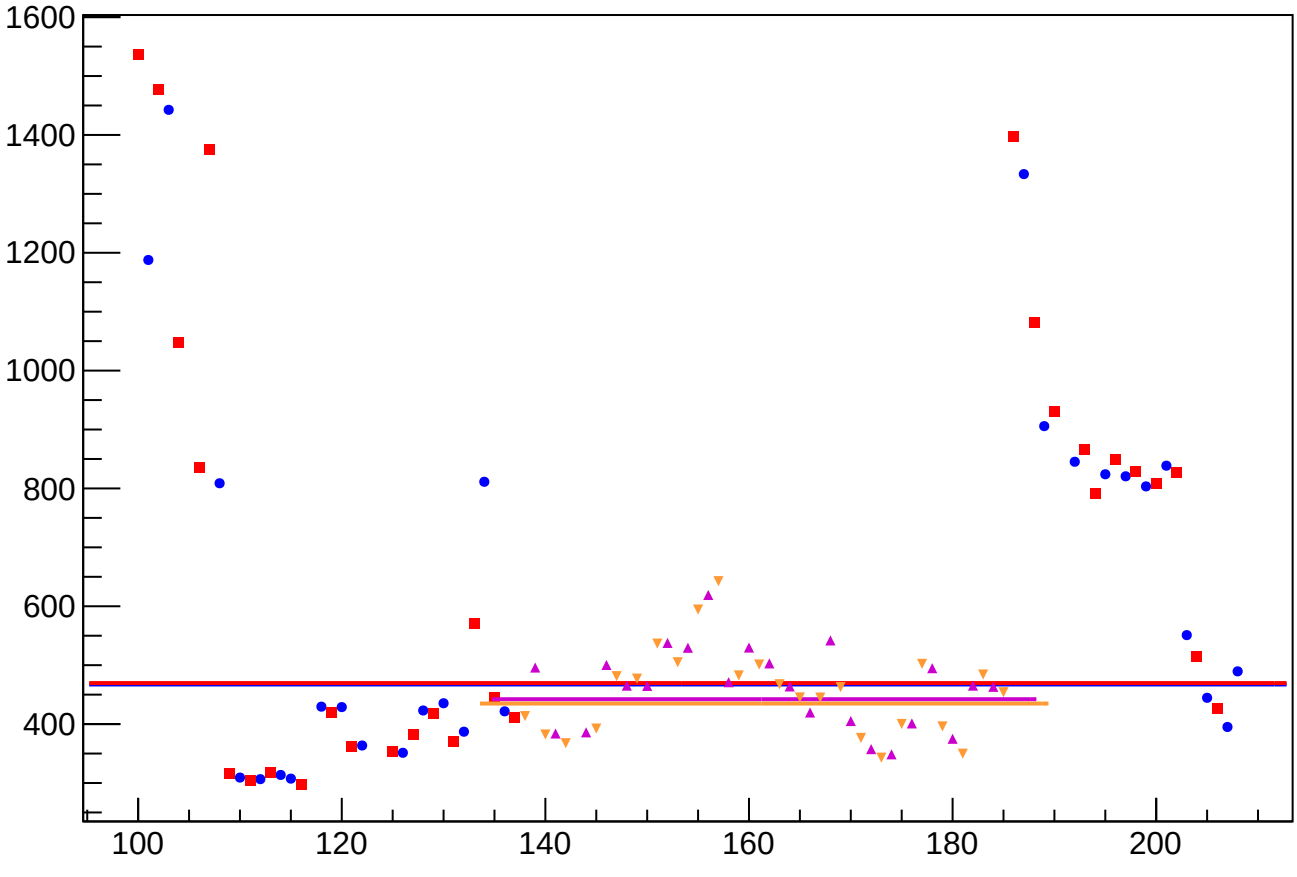
Right: -74.964+/-91.153 χ^2/NDF: 66.5/55

In: -100.019+/-80.848 χ^2/NDF:69.6/49

Out: -168.391+/-80.707 χ^2/NDF:83.1/52

All: -134.265+/-57.118 χ^2/NDF: 153.1/102

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.243+/-0.090 χ^2/NDF: 4278456.4/26

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 469.634+/-0.092 χ^2/NDF: 5376286.8/28

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

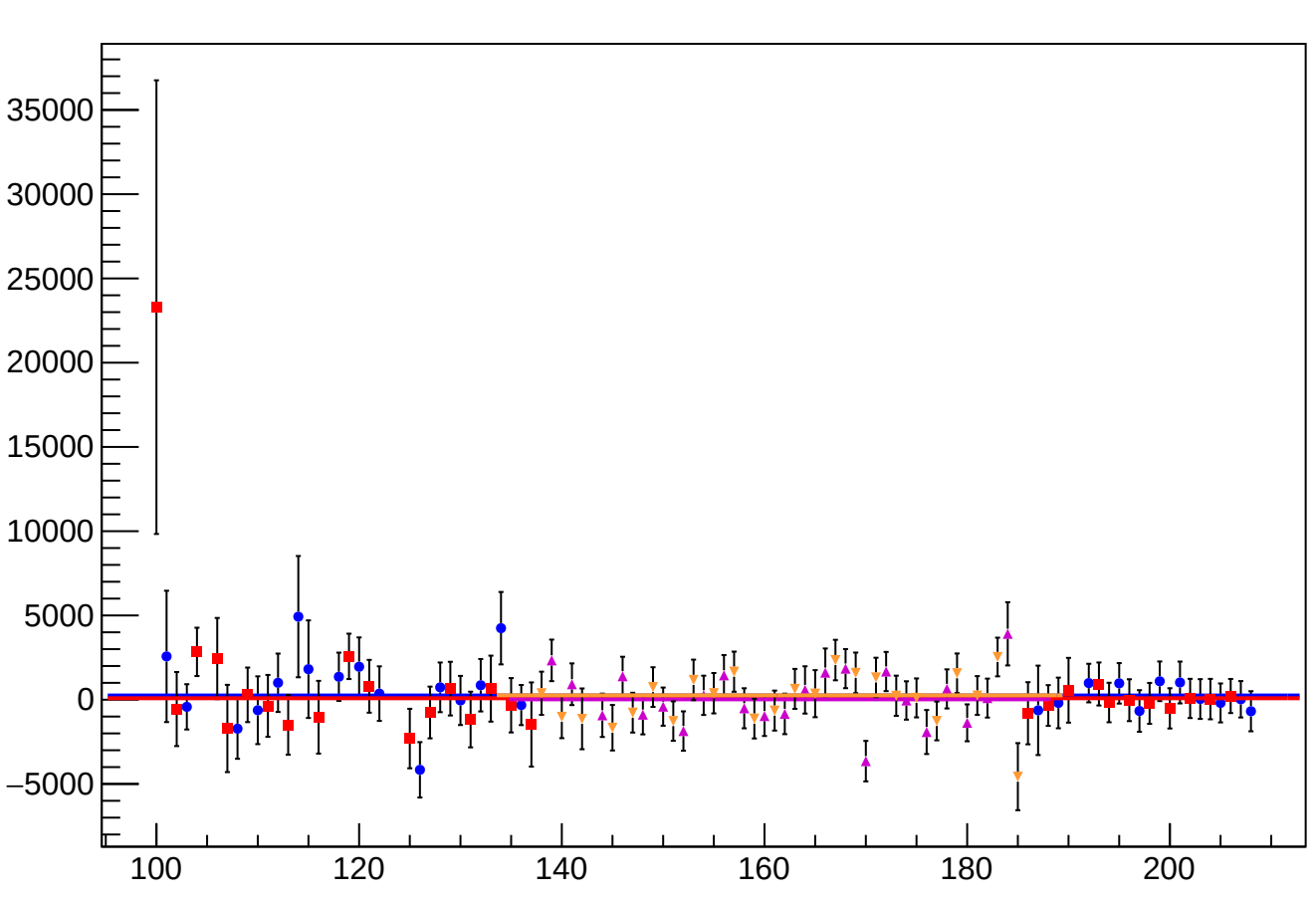
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 468.406+/-0.064 χ^2/NDF: 9655087.0/55

In: 452.325+/-0.057 χ^2/NDF:5150605.9/49

Out: 448.117+/-0.057 χ^2/NDF:6342300.3/52

All: 450.217+/-0.040 χ^2/NDF: 11495620.2/10



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 86.007+/-282.509 χ^2/NDF: 17.6/28

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

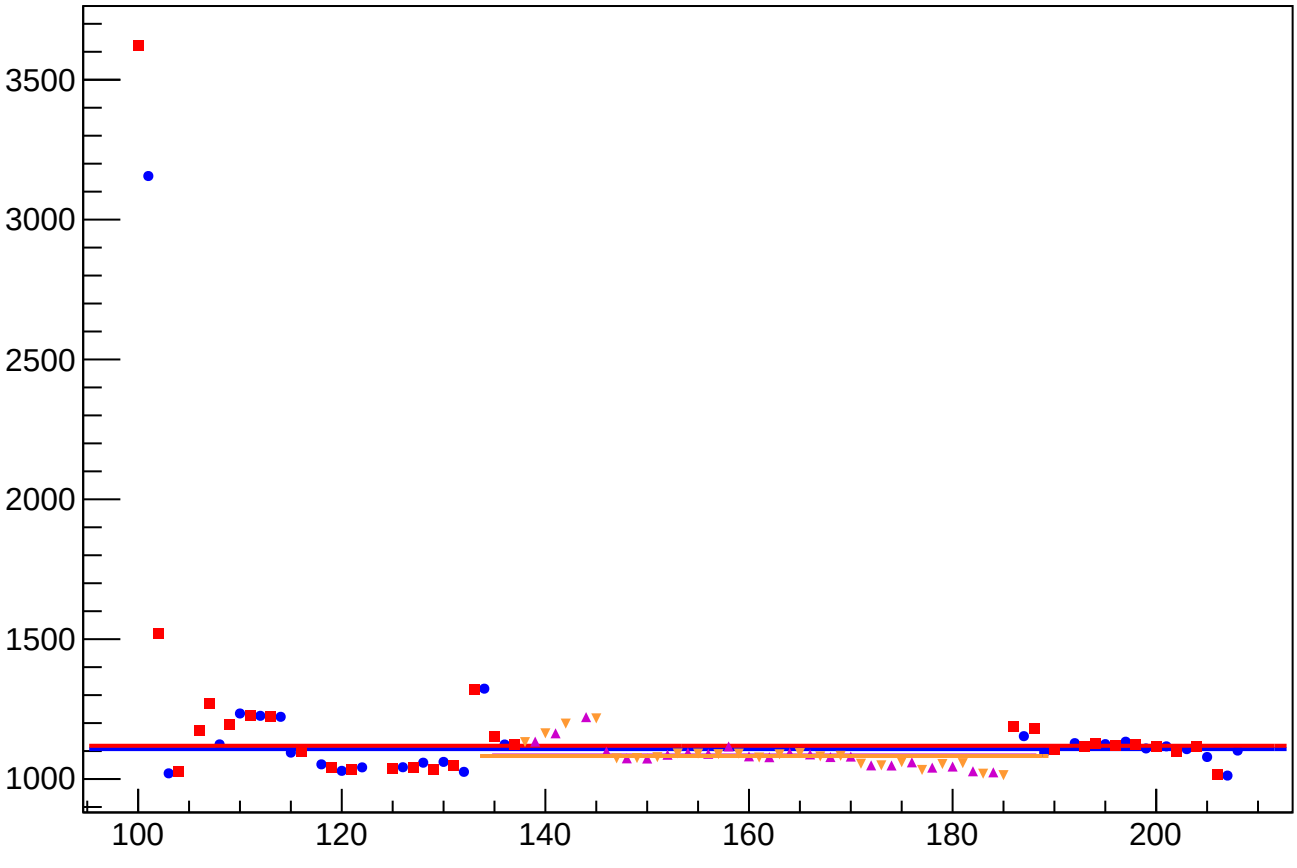
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 167.204+/-199.295 χ^2/NDF: 37.9/55

In: 123.295+/-188.212 χ^2/NDF:56.3/49

Out: 183.464+/-187.806 χ^2/NDF:46.0/52

All: 153.444+/-132.942 χ^2/NDF: 102.4/102



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

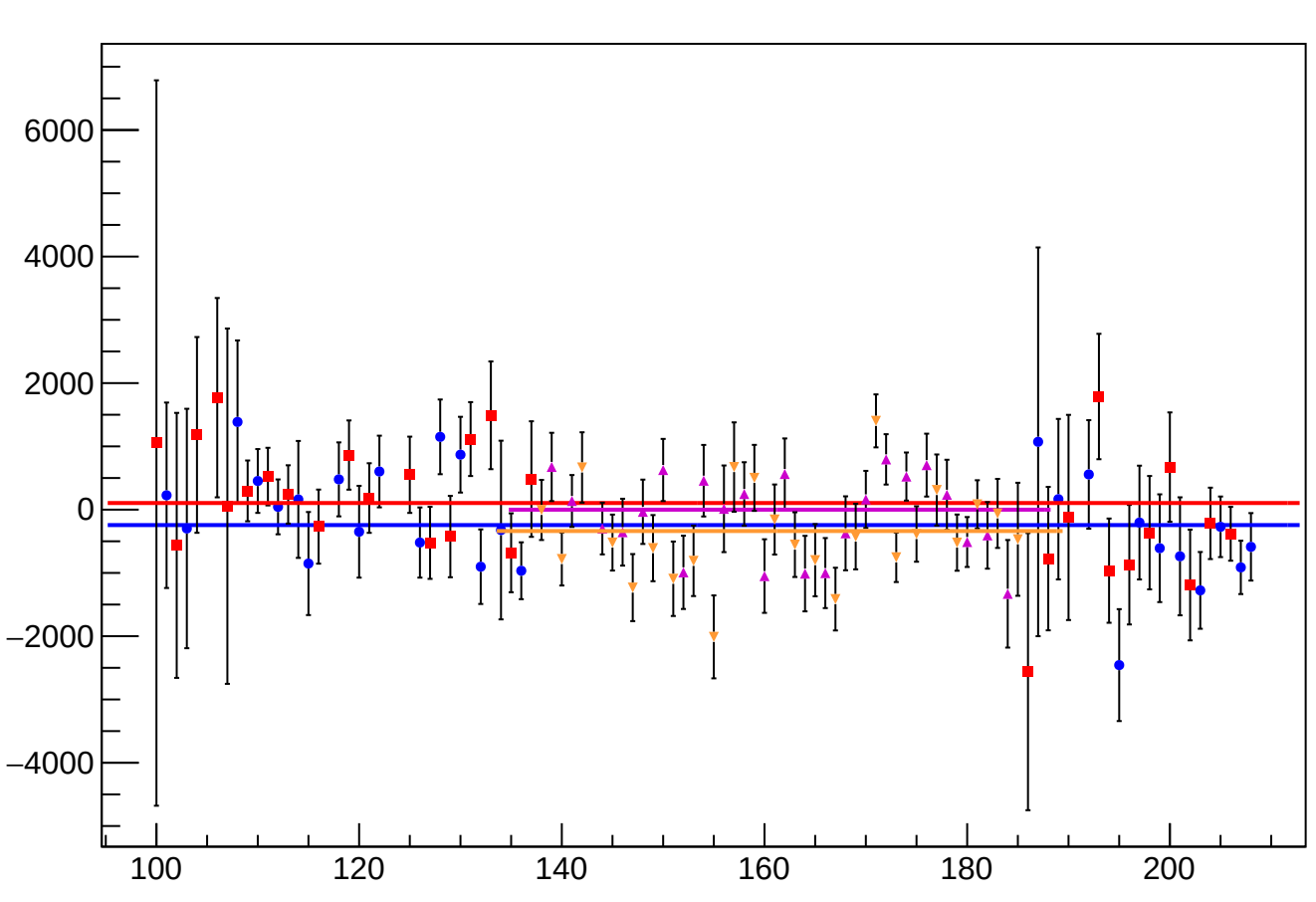
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

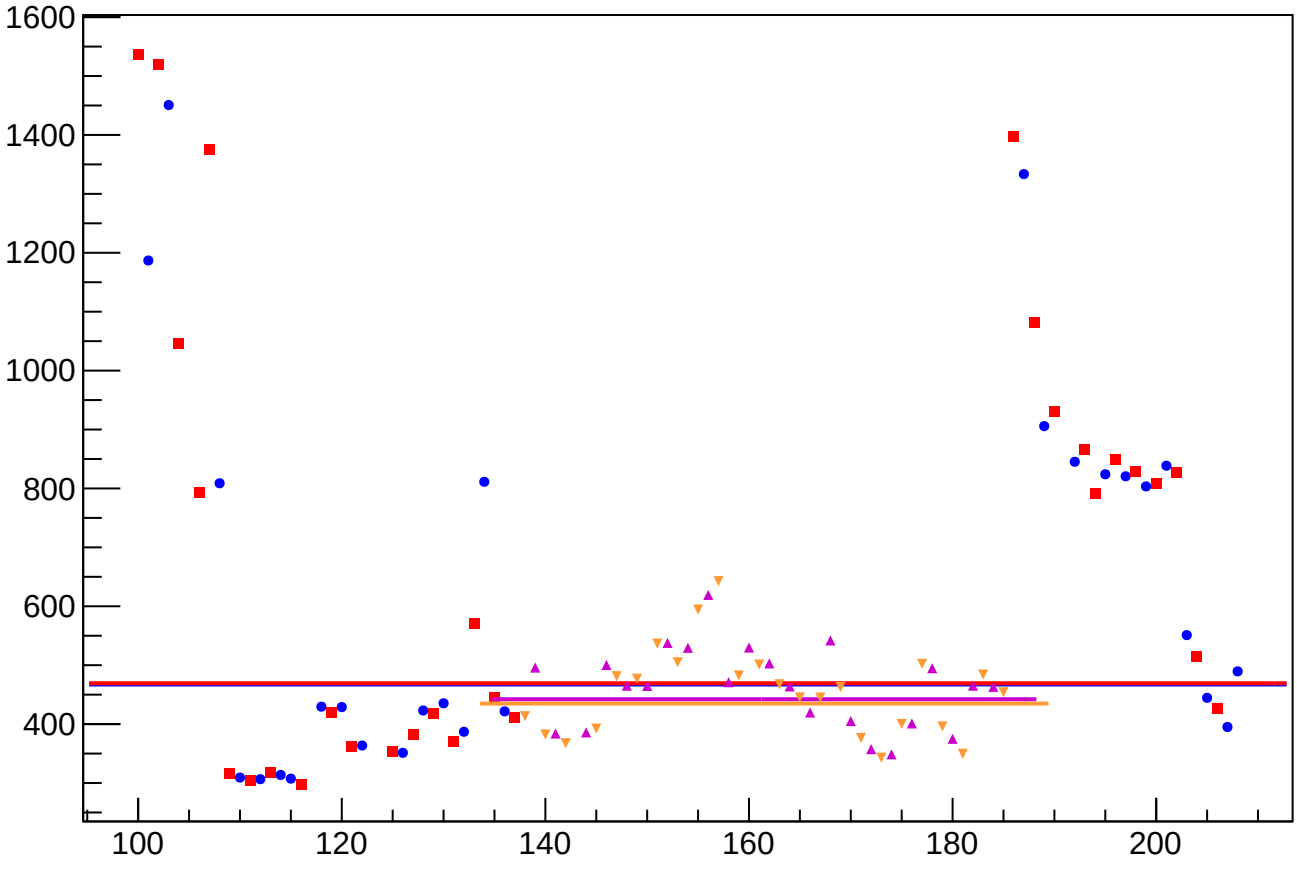
Right: 1112.922+/-0.141 χ^2/NDF: 897971.9/55

In: 1094.373+/-0.133 χ^2/NDF:704534.2/49

Out: 1098.502+/-0.133 χ^2/NDF:328961.0/52

All: 1096.442+/-0.094 χ^2/NDF: 1033977.4/10


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -243.902+/-127.184 χ²/NDF: 35.4/26
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 104.769+/-130.723 χ²/NDF: 27.3/28
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: -74.349+/-91.158 χ²/NDF: 66.4/55
In: -98.896+/-80.849 χ²/NDF:69.5/49
Out: -169.104+/-80.710 χ²/NDF:83.2/52
All: -134.060+/-57.120 χ²/NDF: 153.0/102



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

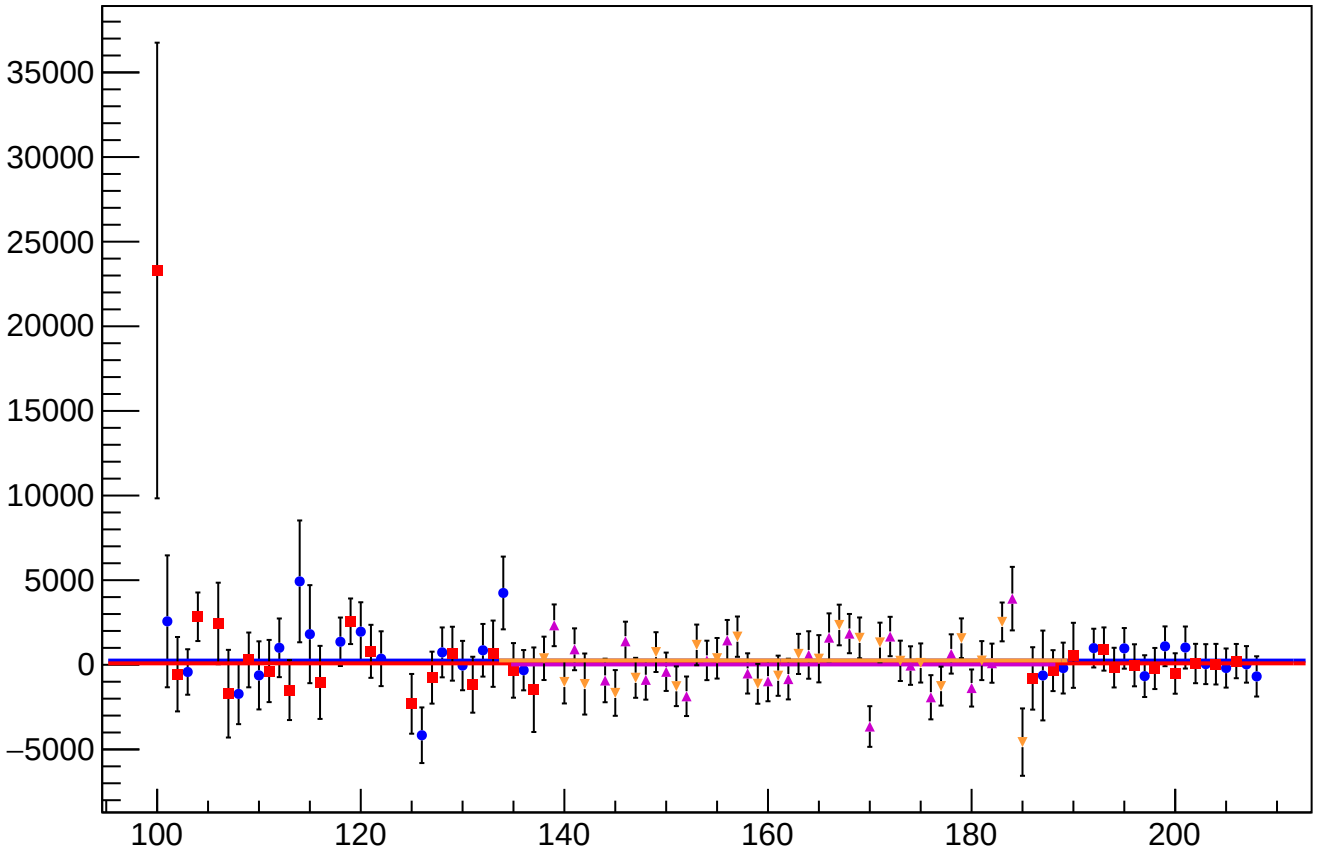
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 468.254+/-0.064 χ^2/NDF: 9653063.8/55

In: 452.323+/-0.057 χ^2/NDF:5154243.9/49

Out: 447.996+/-0.057 χ^2/NDF:6335120.2/52

All: 450.156+/-0.040 χ^2/NDF: 11492233.4/10



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 86.007+/-282.509 χ^2/NDF: 17.6/28

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

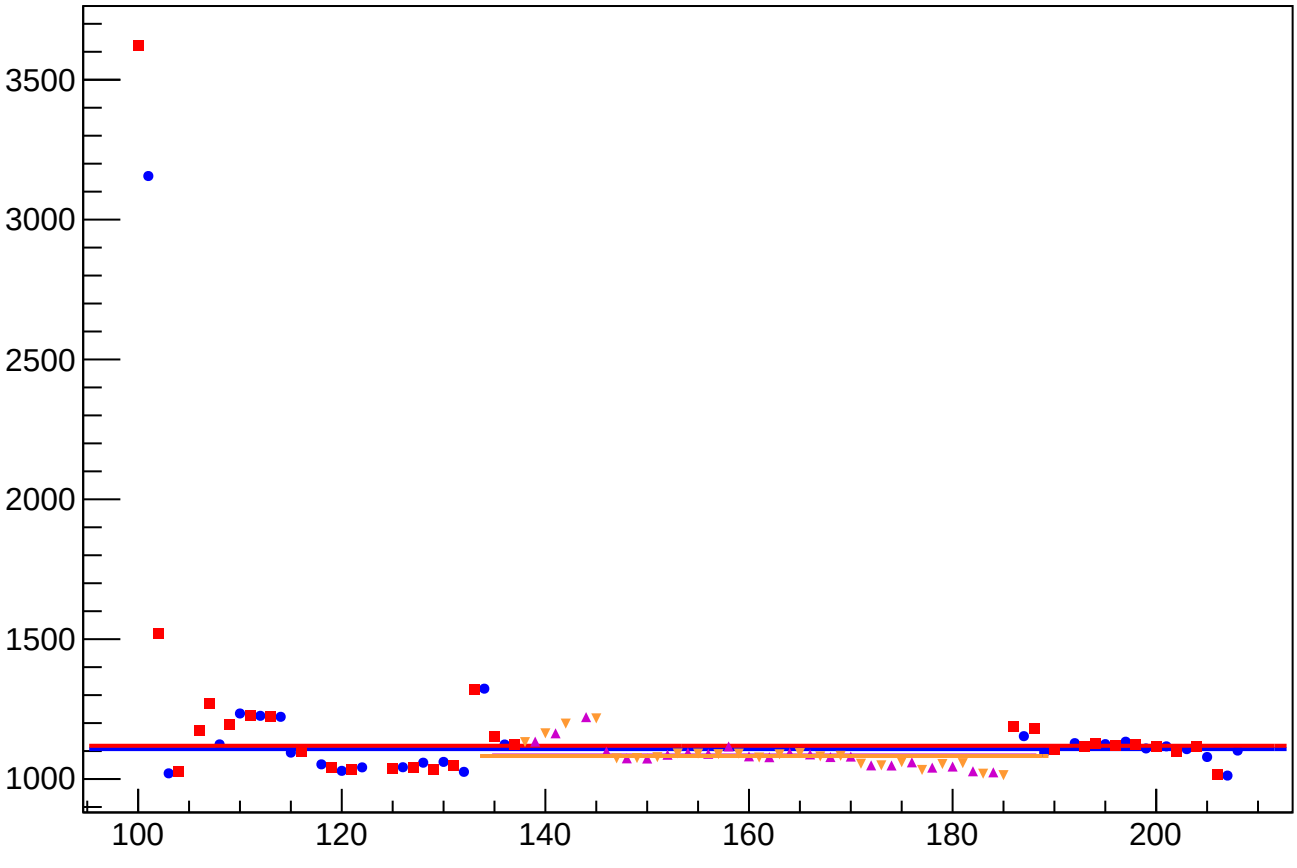
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 167.204+/-199.295 χ^2/NDF: 37.9/55

In: 123.295+/-188.212 χ^2/NDF:56.3/49

Out: 183.464+/-187.806 χ^2/NDF:46.0/52

All: 153.444+/-132.942 χ^2/NDF: 102.4/102



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

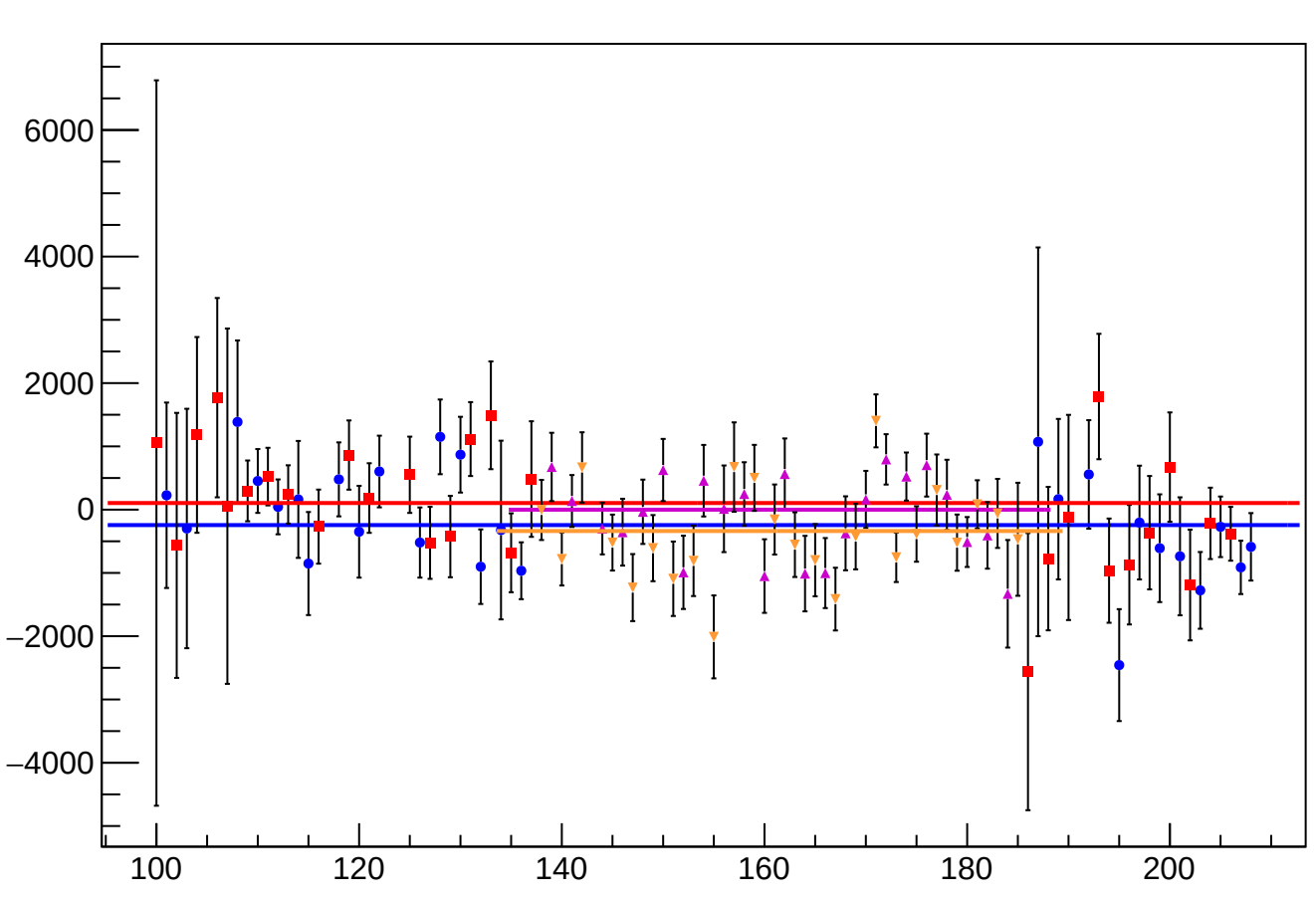
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

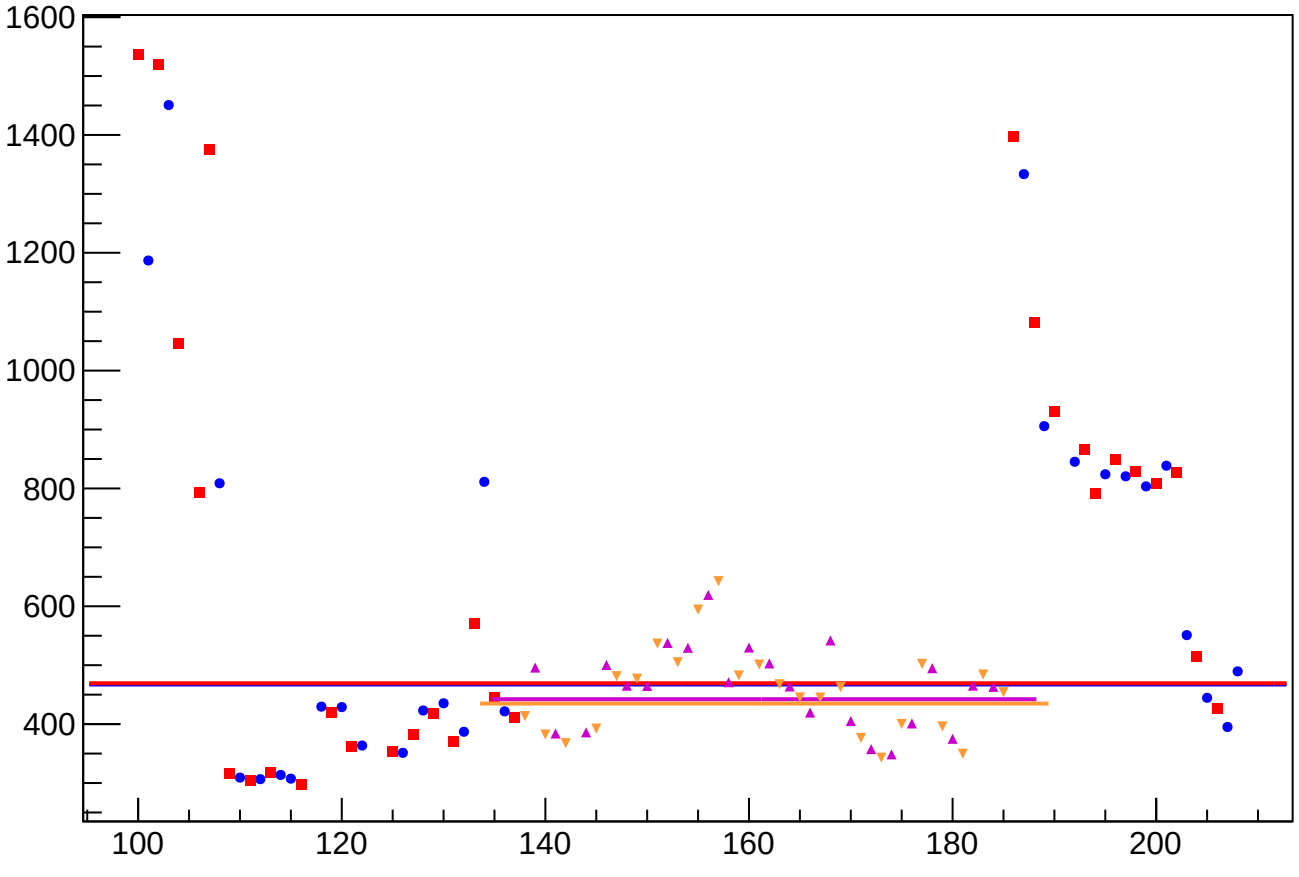
Right: 1112.922+/-0.141 χ^2/NDF: 897971.9/55

In: 1094.373+/-0.133 χ^2/NDF:704534.2/49

Out: 1098.502+/-0.133 χ^2/NDF:328961.0/52

All: 1096.442+/-0.094 χ^2/NDF: 1033977.4/10


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -243.902+/-127.184 χ²/NDF: 35.4/26
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 104.769+/-130.723 χ²/NDF: 27.3/28
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: -74.349+/-91.158 χ²/NDF: 66.4/55
In: -98.896+/-80.849 χ²/NDF:69.5/49
Out: -169.104+/-80.710 χ²/NDF:83.2/52
All: -134.060+/-57.120 χ²/NDF: 153.0/102



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

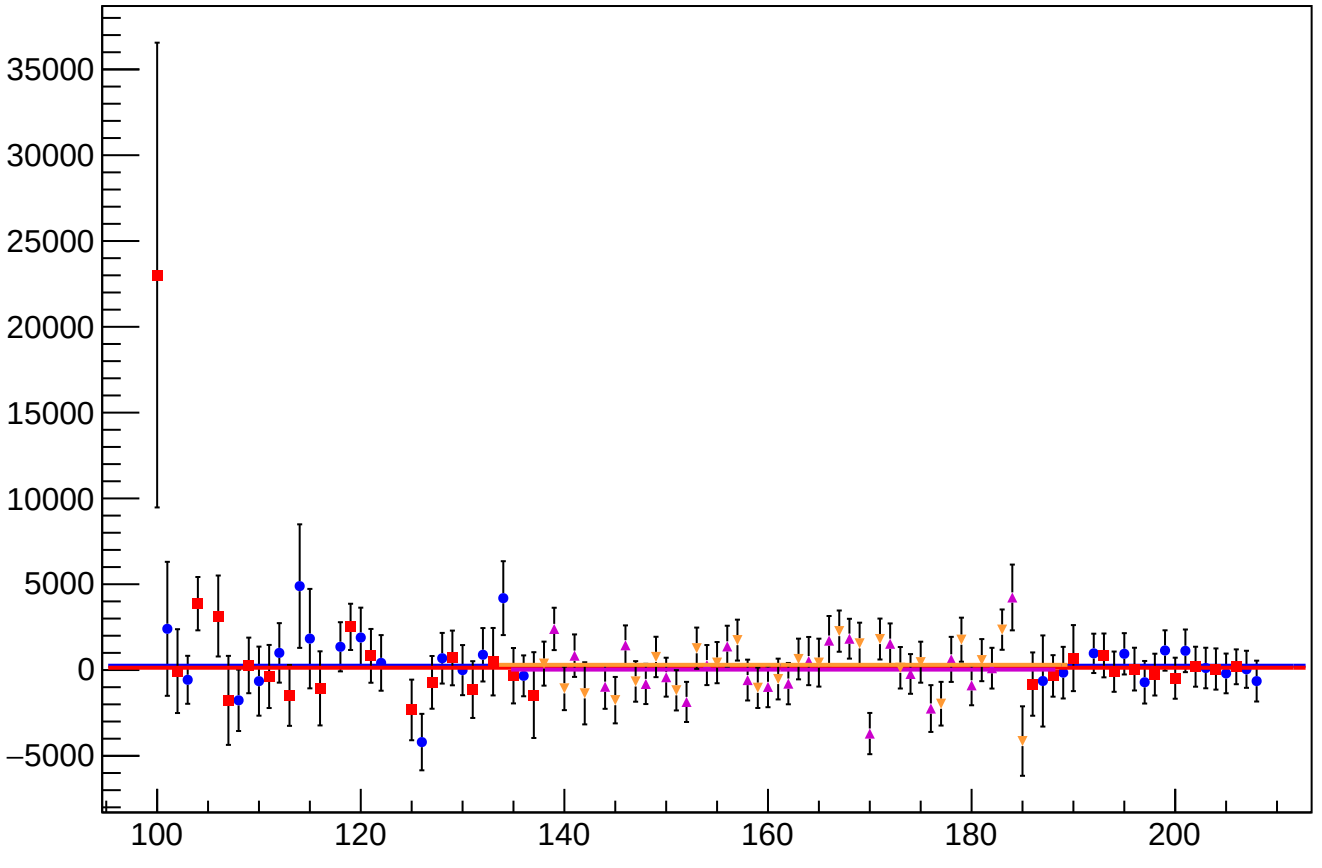
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 468.254+/-0.064 χ^2/NDF: 9653063.8/55

In: 452.323+/-0.057 χ^2/NDF:5154243.9/49

Out: 447.996+/-0.057 χ^2/NDF:6335120.2/52

All: 450.156+/-0.040 χ^2/NDF: 11492233.4/10



Right In: 251.586+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.446+/-284.029 χ^2/NDF: 20.1/28

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

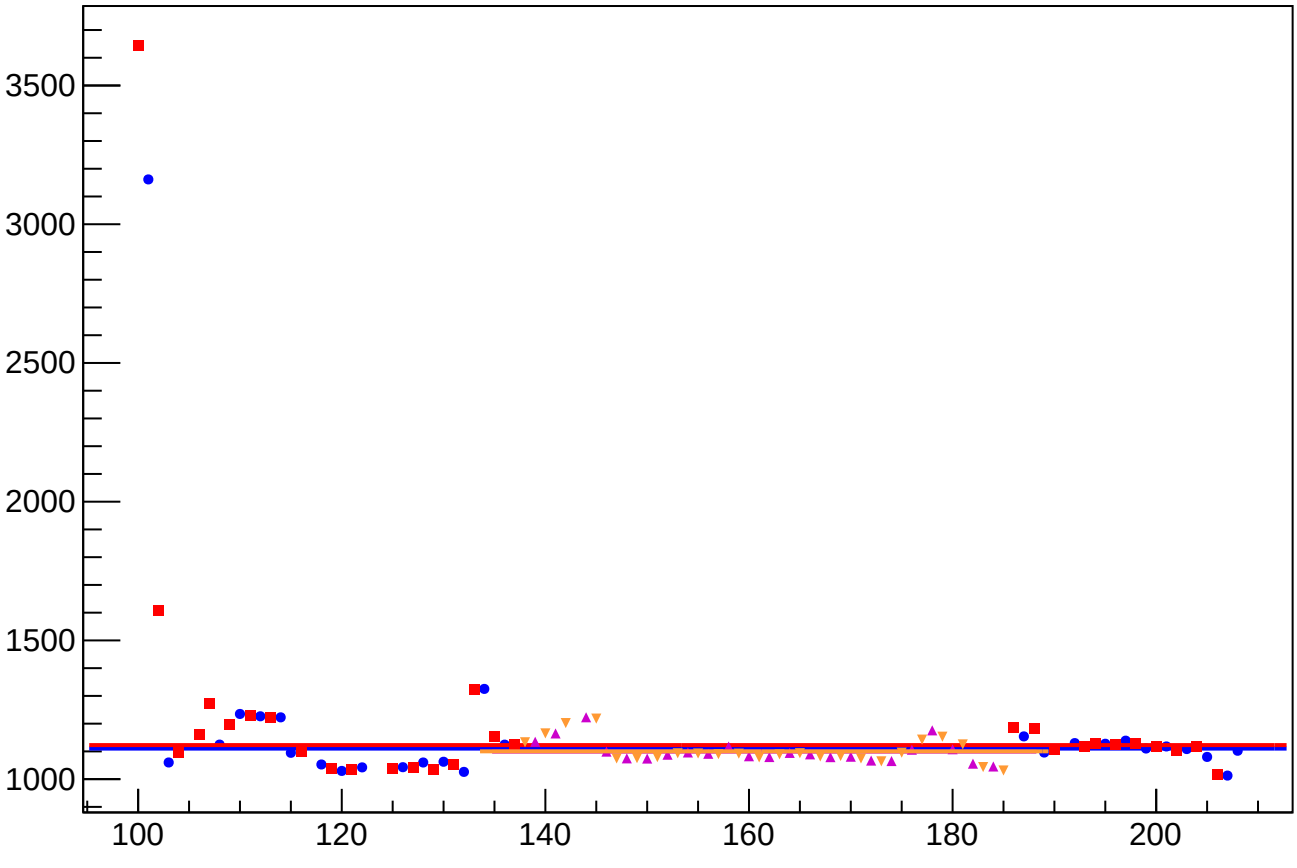
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 193.439+/-200.111 χ^2/NDF: 40.5/55

In: 127.929+/-189.891 χ^2/NDF:56.5/49

Out: 227.816+/-189.977 χ^2/NDF:48.8/52

All: 177.850+/-134.304 χ^2/NDF: 105.4/102



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.2/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.2/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

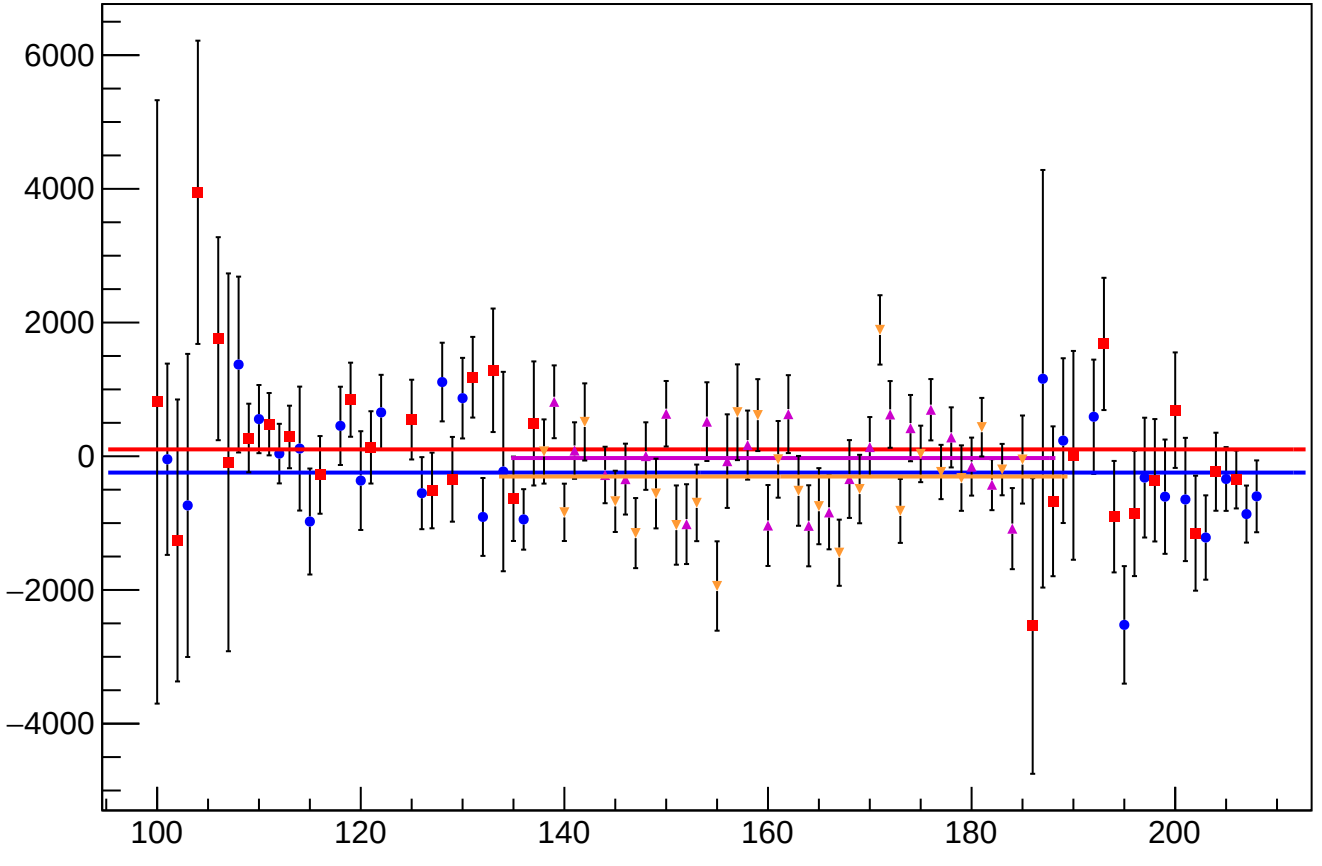
Right: 1116.362+/-0.141 χ^2/NDF: 899192.7/55

In: 1104.221+/-0.134 χ^2/NDF:685324.2/49

Out: 1110.304+/-0.134 χ^2/NDF:313942.2/52

All: 1107.261+/-0.095 χ^2/NDF: 1000292.2/10

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -244.250+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 102.843+/-132.701 χ^2/NDF: 27.5/28

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

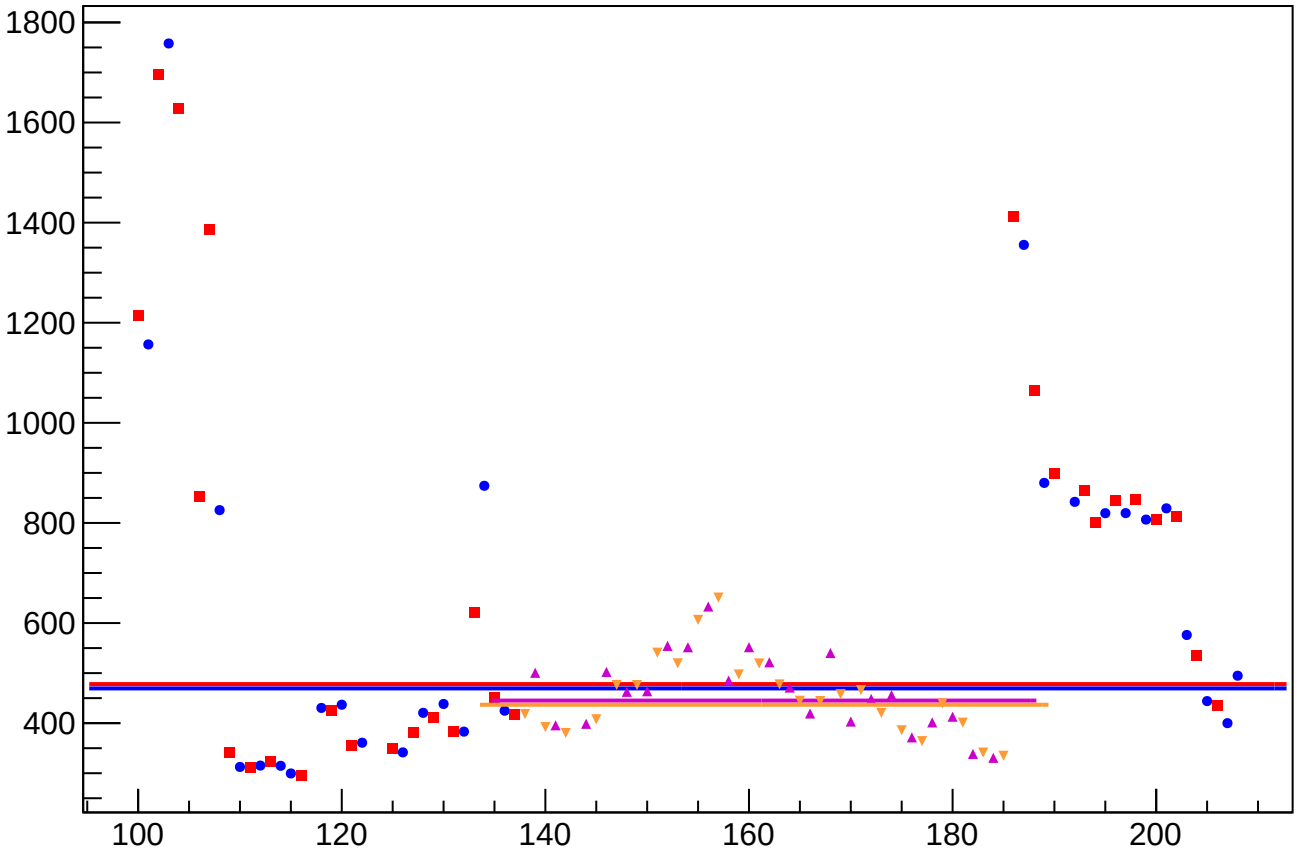
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: -77.272+/-92.041 χ^2/NDF: 66.6/55

In: -114.838+/-81.315 χ^2/NDF:65.1/49

Out: -150.594+/-81.356 χ^2/NDF:82.9/52

All: -132.707+/-57.513 χ^2/NDF: 148.1/102



Right In: 469.391+/-0.090 χ^2/NDF: 4382038.0/26

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 478.075+/-0.094 χ^2/NDF: 5696007.9/28

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

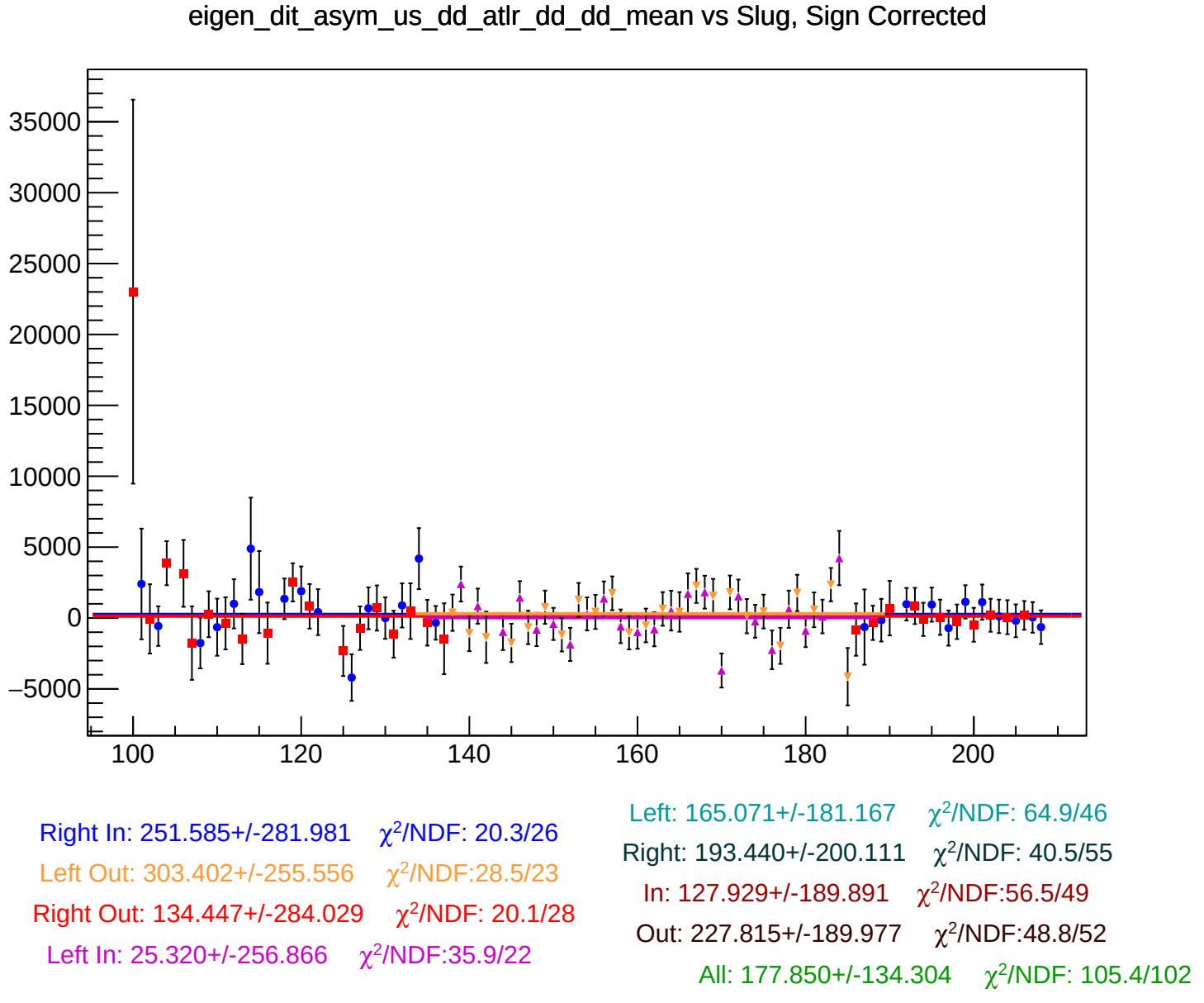
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 473.569+/-0.065 χ^2/NDF: 10082489.6/55

In: 454.944+/-0.057 χ^2/NDF:5299552.1/49

Out: 452.306+/-0.058 χ^2/NDF:6672051.0/52

All: 453.625+/-0.041 χ^2/NDF: 11972655.4/10


eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
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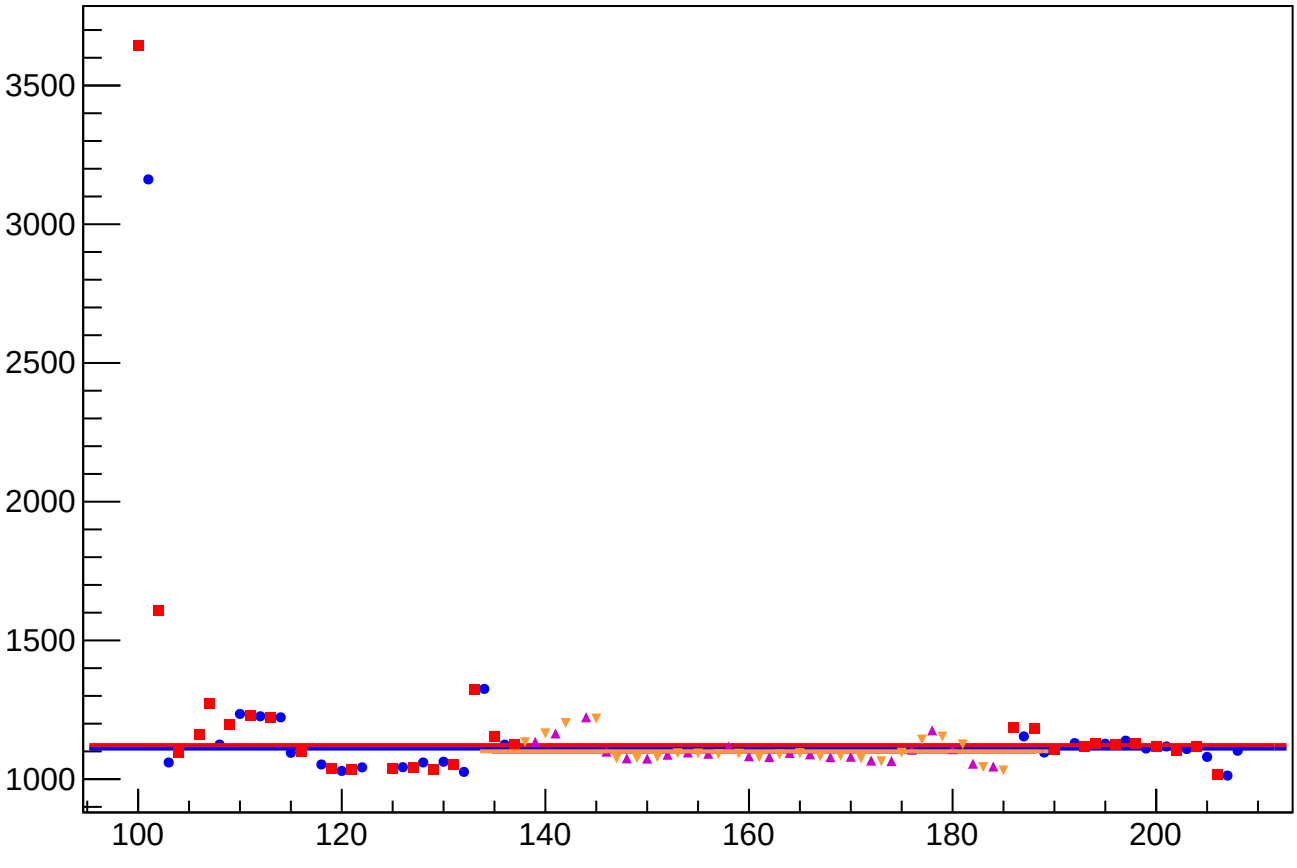
180
200
Right In: 251.585+/-281.981 χ²/NDF: 20.3/26
Left Out: 303.402+/-255.556 χ²/NDF:28.5/23
Right Out: 134.447+/-284.029 χ²/NDF: 20.1/28
Left In: 25.320+/-256.866 χ²/NDF:35.9/22
Left: 165.071+/-181.167 χ²/NDF: 64.9/46
Right: 193.440+/-200.111 χ²/NDF: 40.5/55
In: 127.929+/-189.891 χ²/NDF:56.5/49
Out: 227.815+/-189.977 χ²/NDF:48.8/52
All: 177.850+/-134.304 χ²/NDF: 105.4/102



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.3/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.3/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

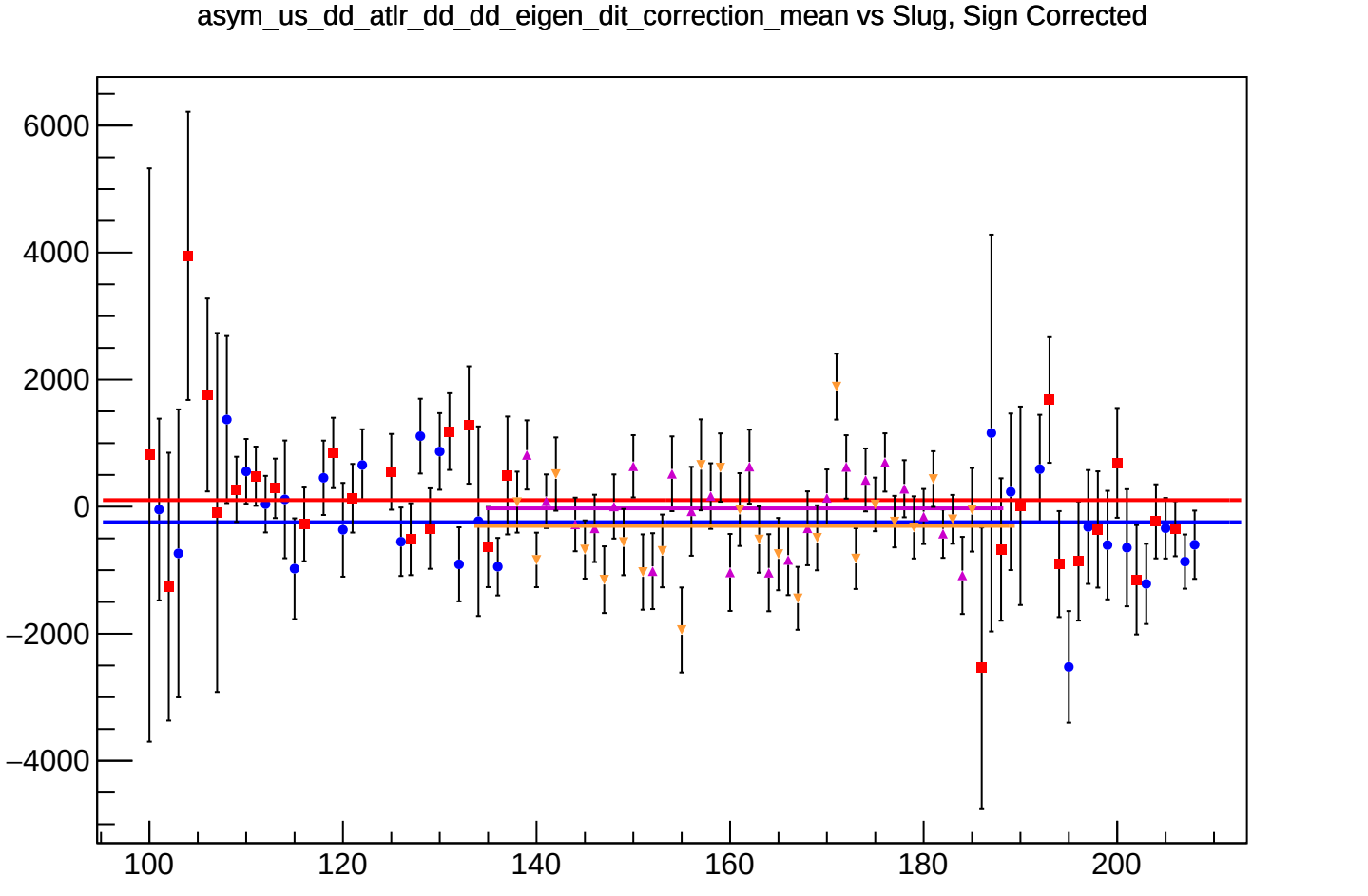
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1116.362+/-0.141 χ^2/NDF: 899192.8/55

In: 1104.221+/-0.134 χ^2/NDF:685324.3/49

Out: 1110.304+/-0.134 χ^2/NDF:313942.5/52

All: 1107.261+/-0.095 χ^2/NDF: 1000292.6/10


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
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−2000
−4000
100
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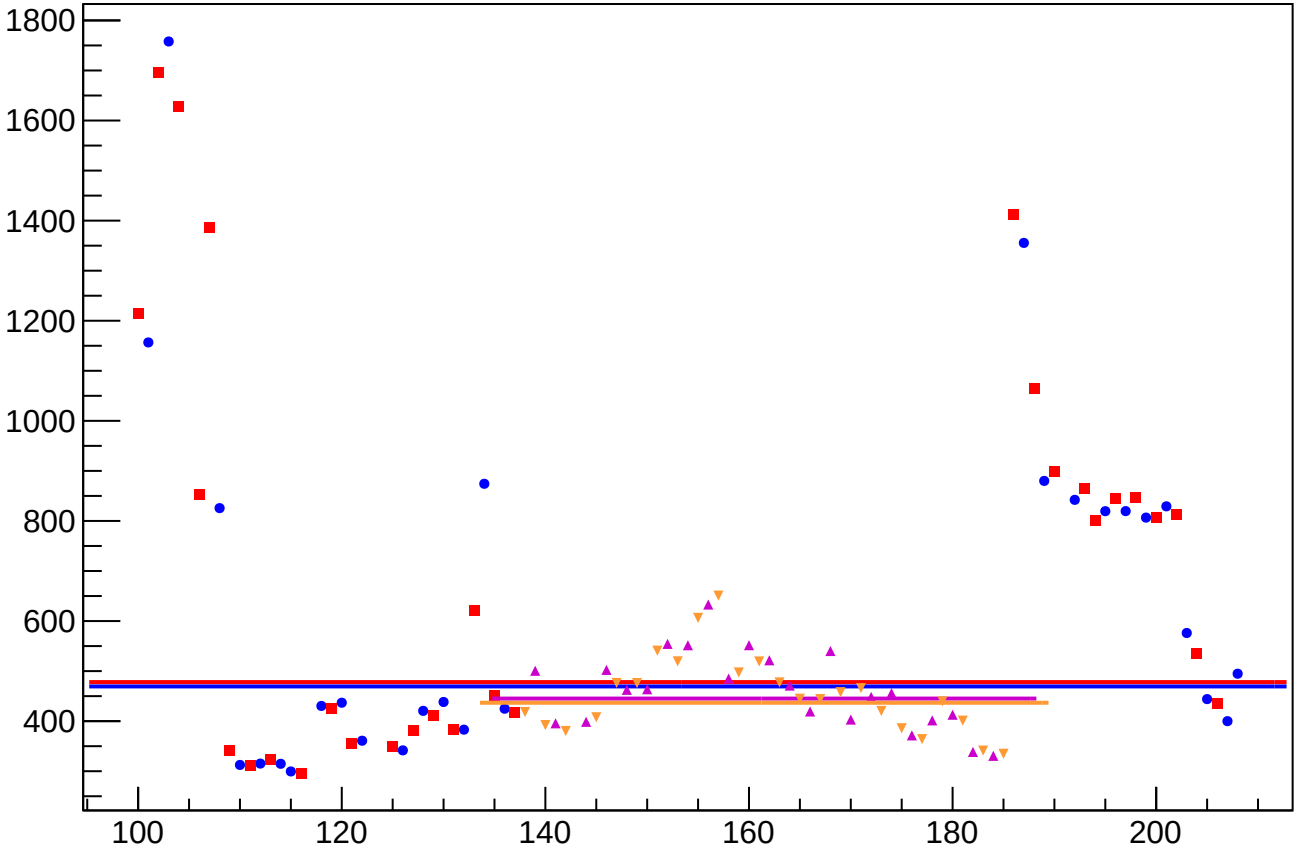
160
180
200
Right In: -244.253+/-127.770 χ²/NDF: 35.6/26
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 102.845+/-132.701 χ²/NDF: 27.5/28
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: -77.273+/-92.041 χ²/NDF: 66.6/55
In: -114.839+/-81.315 χ²/NDF:65.1/49
Out: -150.593+/-81.356 χ²/NDF:82.9/52
All: -132.707+/-57.513 χ²/NDF: 148.1/102

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 469.389+/-0.090 χ^2/NDF: 4382072.1/26

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 478.071+/-0.094 χ^2/NDF: 5696067.9/28

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

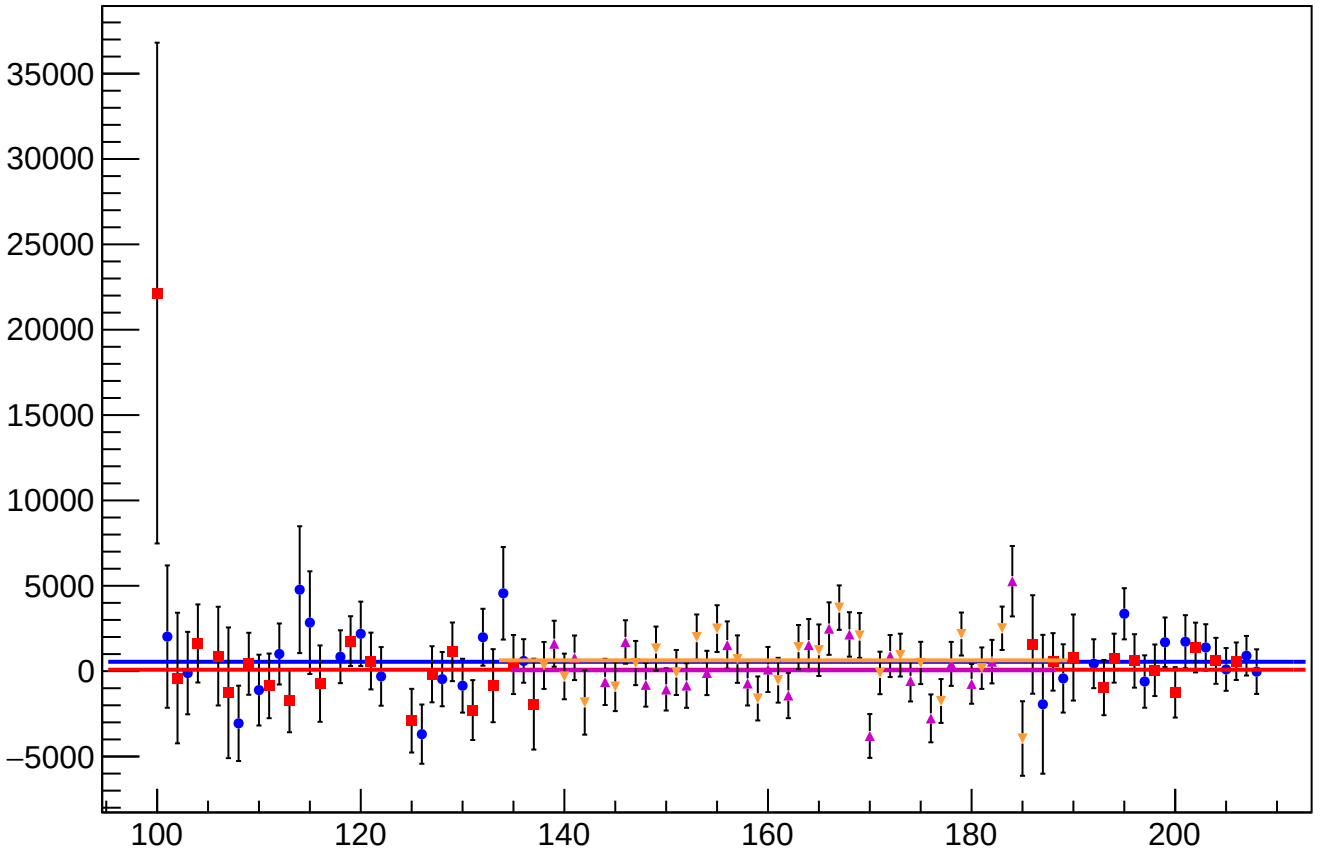
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 473.566+/-0.065 χ^2/NDF: 10082582.8/55

In: 454.943+/-0.057 χ^2/NDF:5299612.9/49

Out: 452.304+/-0.058 χ^2/NDF:6672124.0/52

All: 453.624+/-0.041 χ^2/NDF: 11972789.3/10



Right In: 548.445+/-324.382 χ^2/NDF: 23.3/26

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 82.810+/-332.714 χ^2/NDF: 14.5/28

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

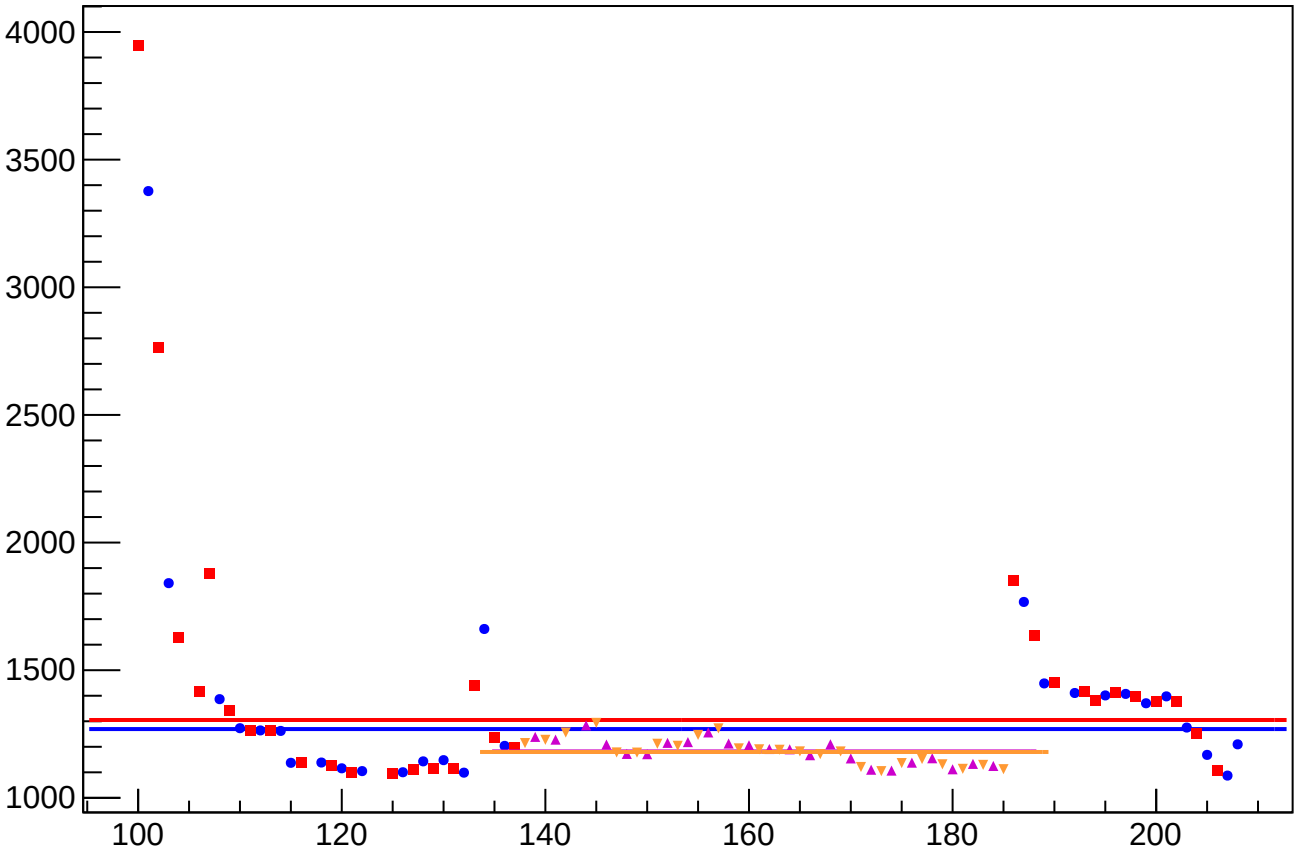
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 321.531+/-232.262 χ^2/NDF: 38.8/55

In: 259.986+/-210.301 χ^2/NDF:59.7/49

Out: 410.522+/-211.537 χ^2/NDF:46.2/52

All: 334.813+/-149.140 χ^2/NDF: 106.1/102



Right In: 1269.445+/-0.229 χ^2/NDF: 977294.8/26

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1304.982+/-0.235 χ^2/NDF: 899731.9/28

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

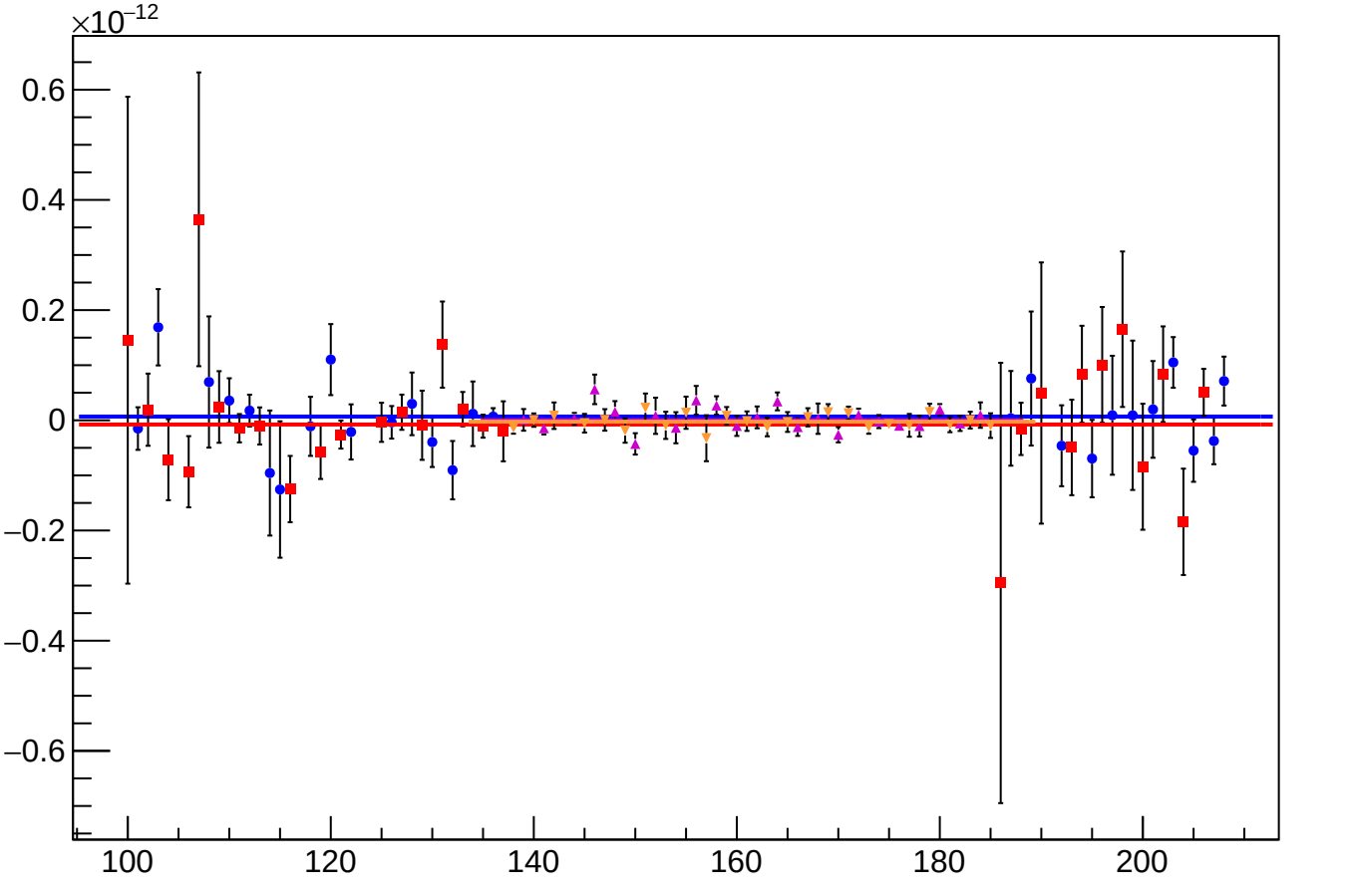
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1286.763+/-0.164 χ^2/NDF: 1888724.1/55

In: 1218.713+/-0.149 χ^2/NDF:1122040.3/49

Out: 1230.351+/-0.150 χ^2/NDF:1133307.9/52

All: 1224.498+/-0.105 χ^2/NDF: 2258392.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/28

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

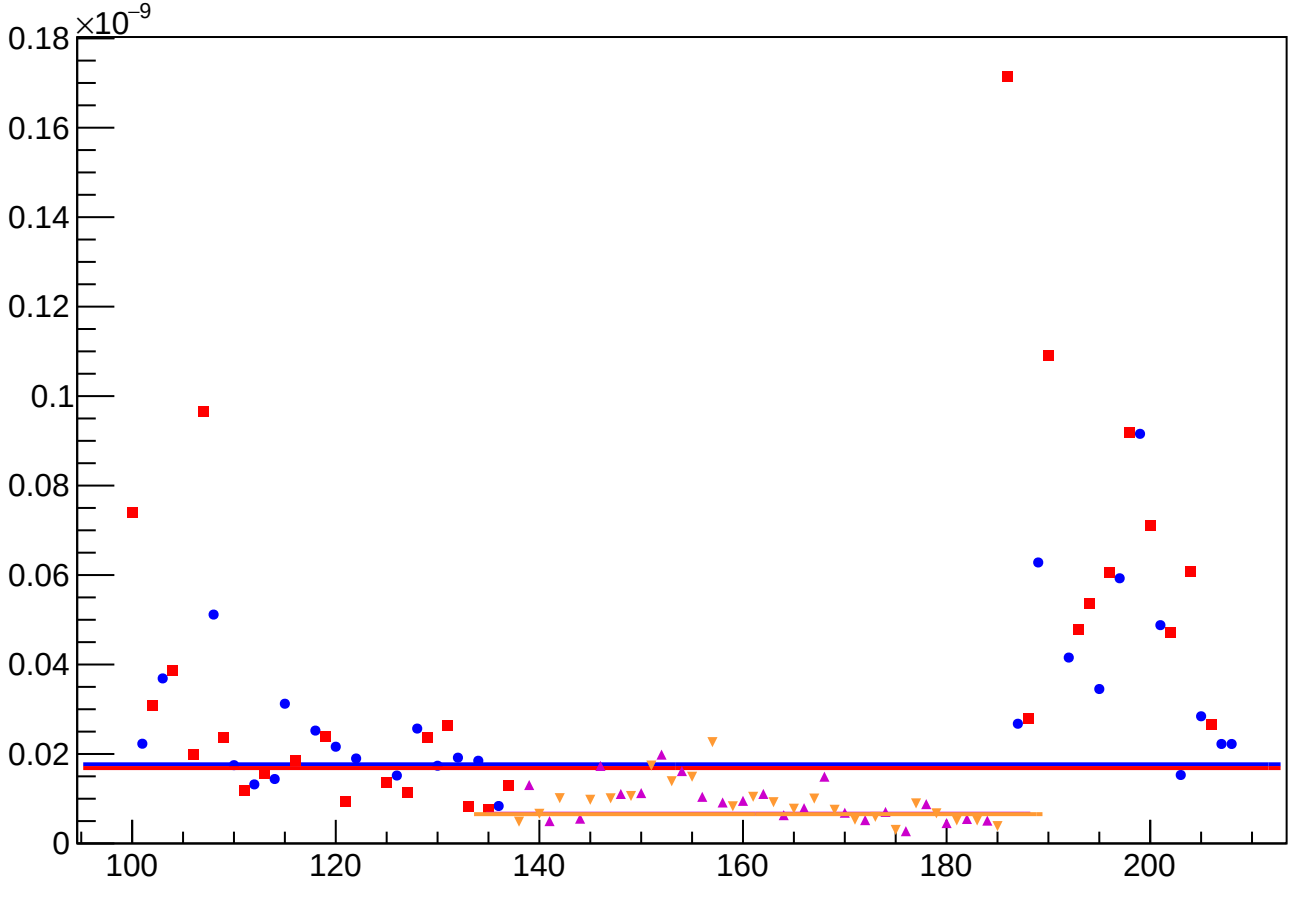
Right: -0.000+/-0.000 χ^2/NDF: 55.2/55

In: 0.000+/-0.000 χ^2/NDF:60.4/49

Out: -0.000+/-0.000 χ^2/NDF:37.2/52

All: -0.000+/-0.000 χ^2/NDF: 98.6/102

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3145507.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4941573.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

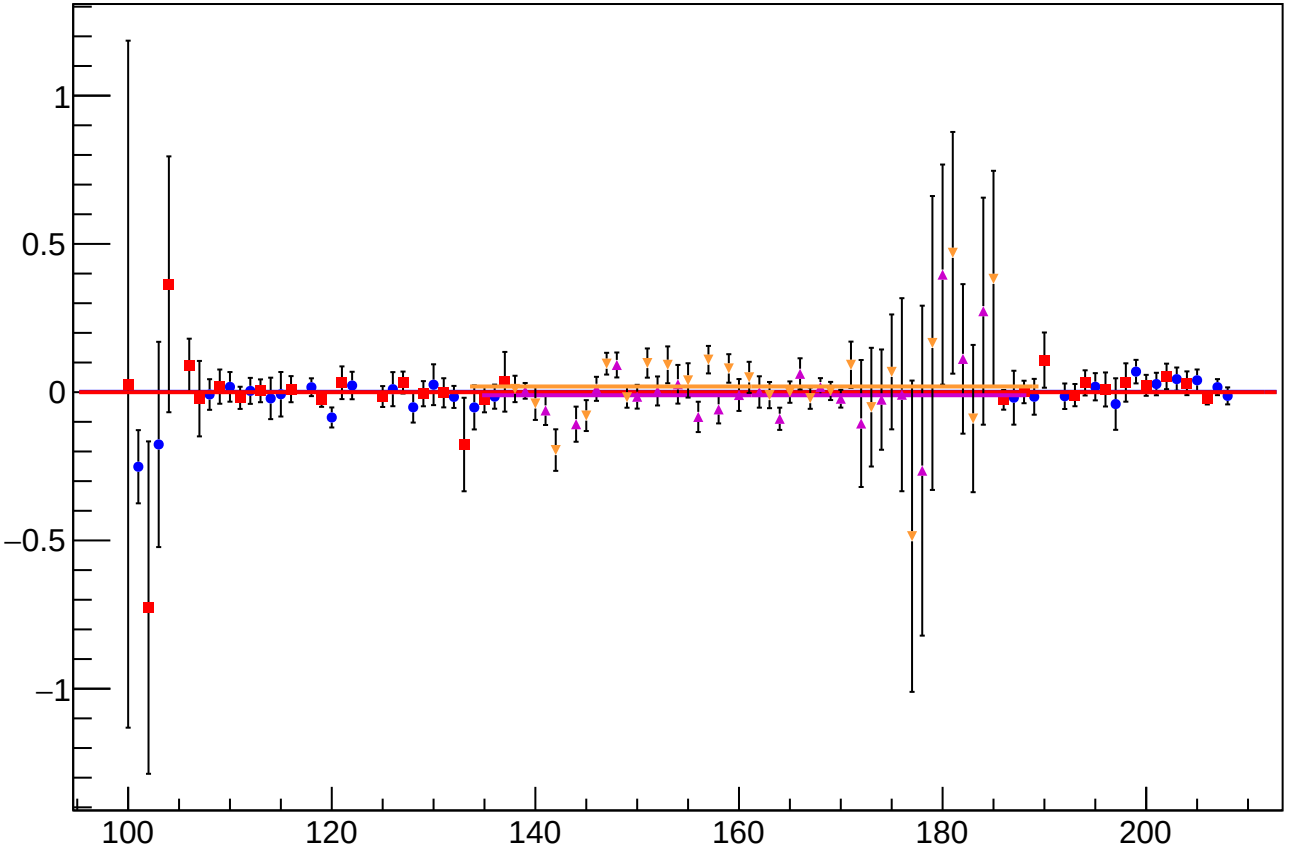
Right: 0.000+/-0.000 χ^2/NDF: 8096497.9/55

In: 0.000+/-0.000 χ^2/NDF:8598041.8/49

Out: 0.000+/-0.000 χ^2/NDF:9762454.2/52

All: 0.000+/-0.000 χ^2/NDF: 18367596.6/102

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

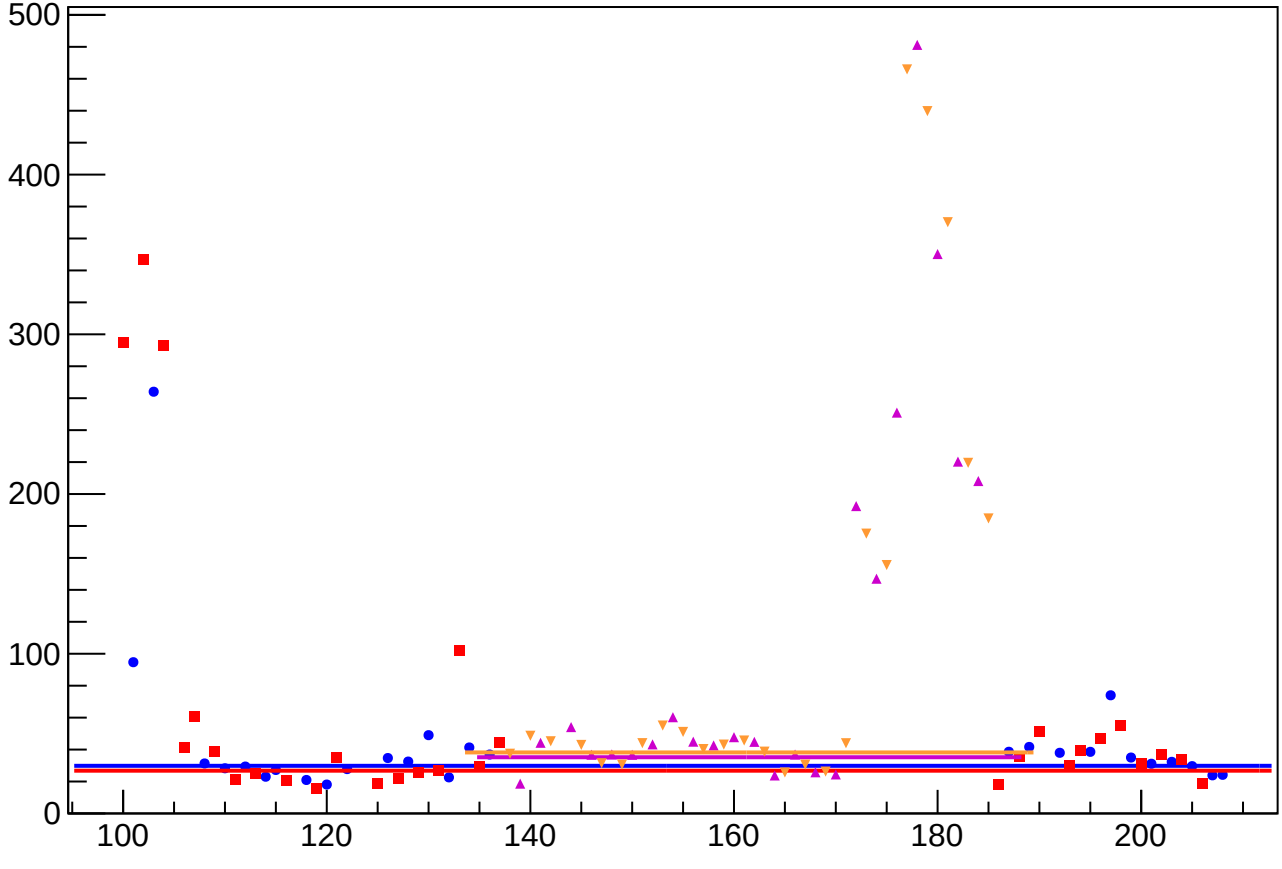
Right: 0.001+/-0.006 χ^2/NDF: 35.0/55

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.6/102

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

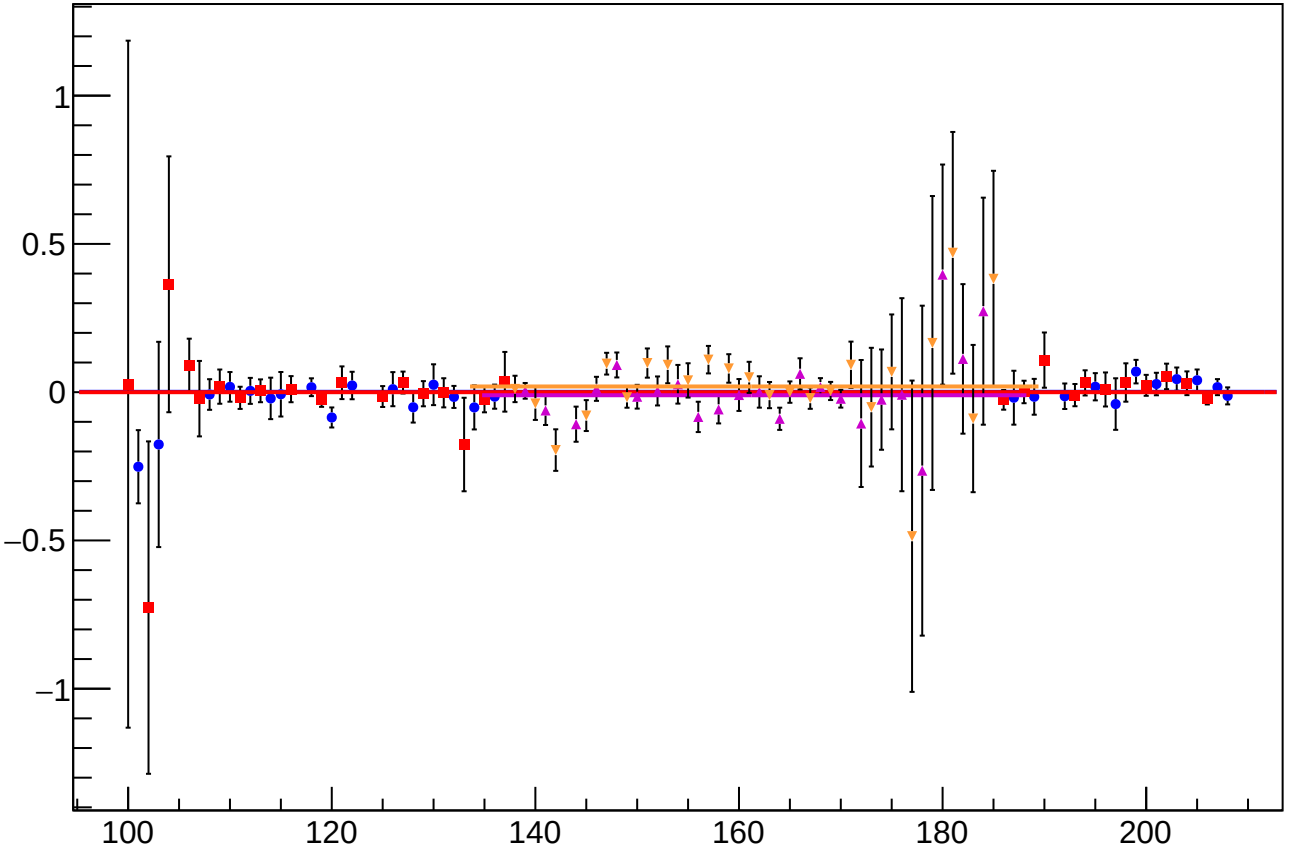
Right: 28.208+/-0.004 χ^2/NDF: 8077063.9/55

In: 32.049+/-0.005 χ^2/NDF:12958852.1/49

Out: 30.878+/-0.005 χ^2/NDF:14416457.8/52

All: 31.452+/-0.003 χ^2/NDF: 27407419.4/102

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

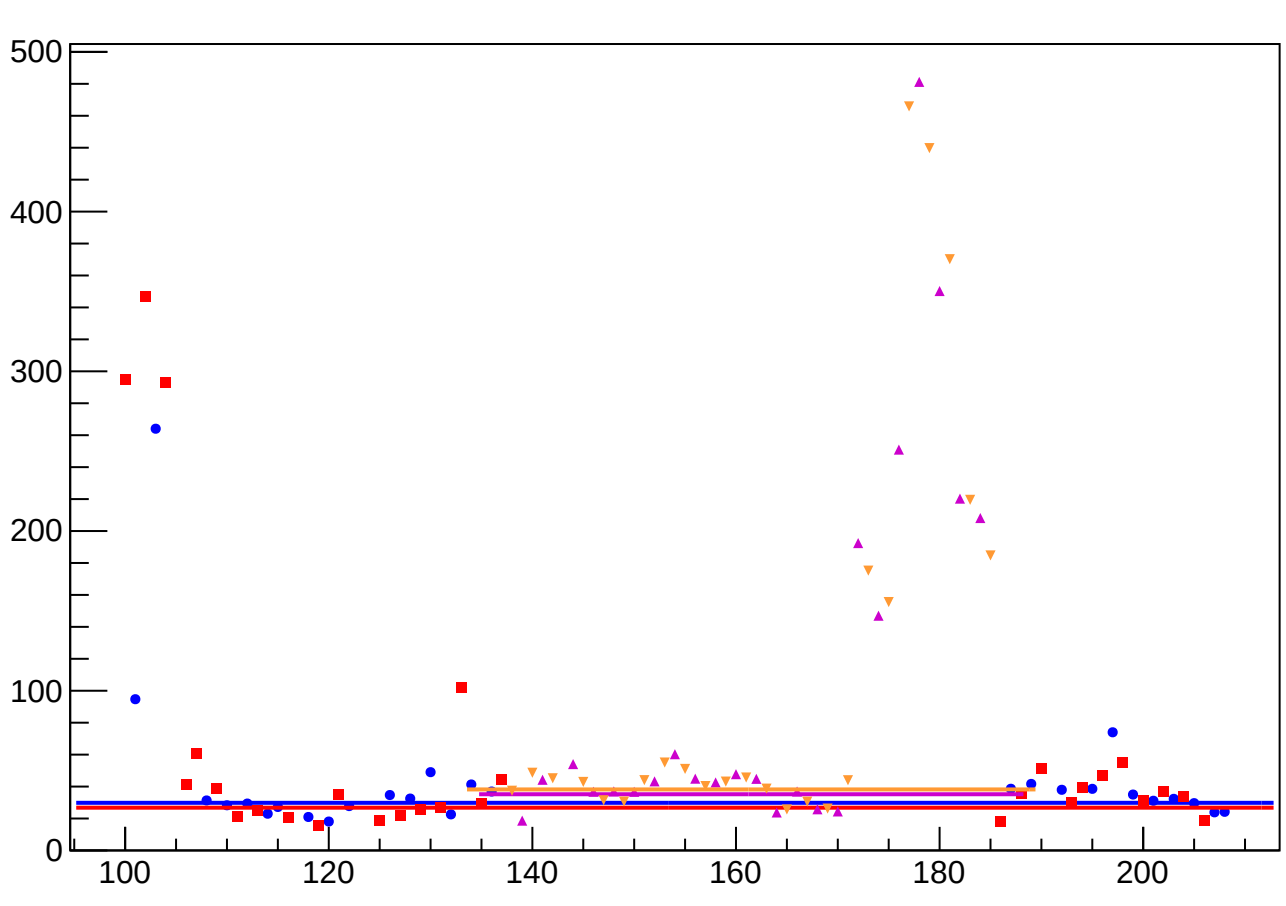
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.006 χ^2/NDF: 35.0/55

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.6/102



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

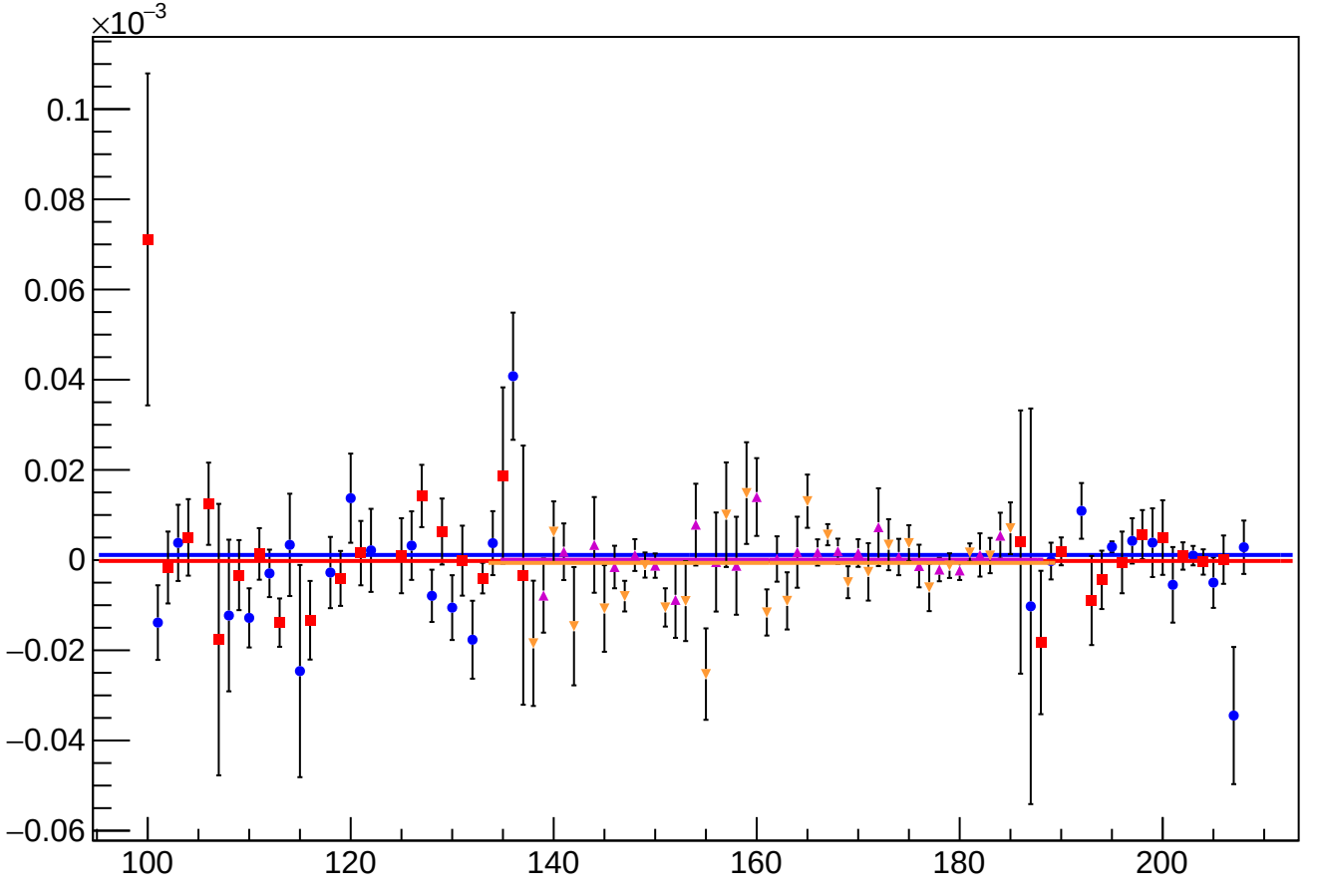
Right: 28.208+/-0.004 χ^2/NDF: 8077063.9/55

In: 32.049+/-0.005 χ^2/NDF:12958852.1/49

Out: 30.878+/-0.005 χ^2/NDF:14416457.8/52

All: 31.452+/-0.003 χ^2/NDF: 27407419.4/102

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

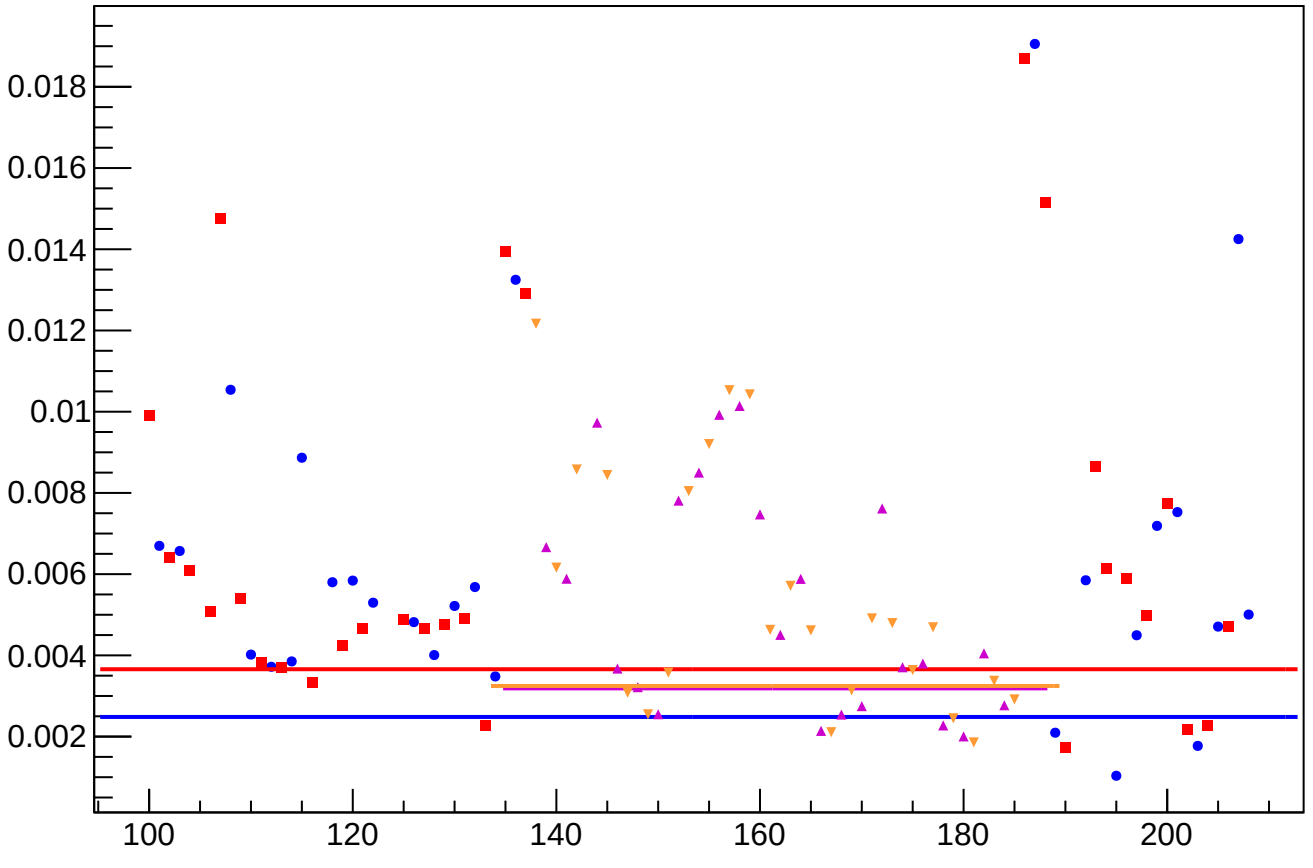
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 71.8/55

In: 0.000+/-0.000 χ^2/NDF:54.7/49

Out: -0.000+/-0.000 χ^2/NDF:79.3/52

All: 0.000+/-0.000 χ^2/NDF: 135.3/102



Right In: 0.002+/-0.000 χ^2/NDF: 12326798.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7237083.3/28

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

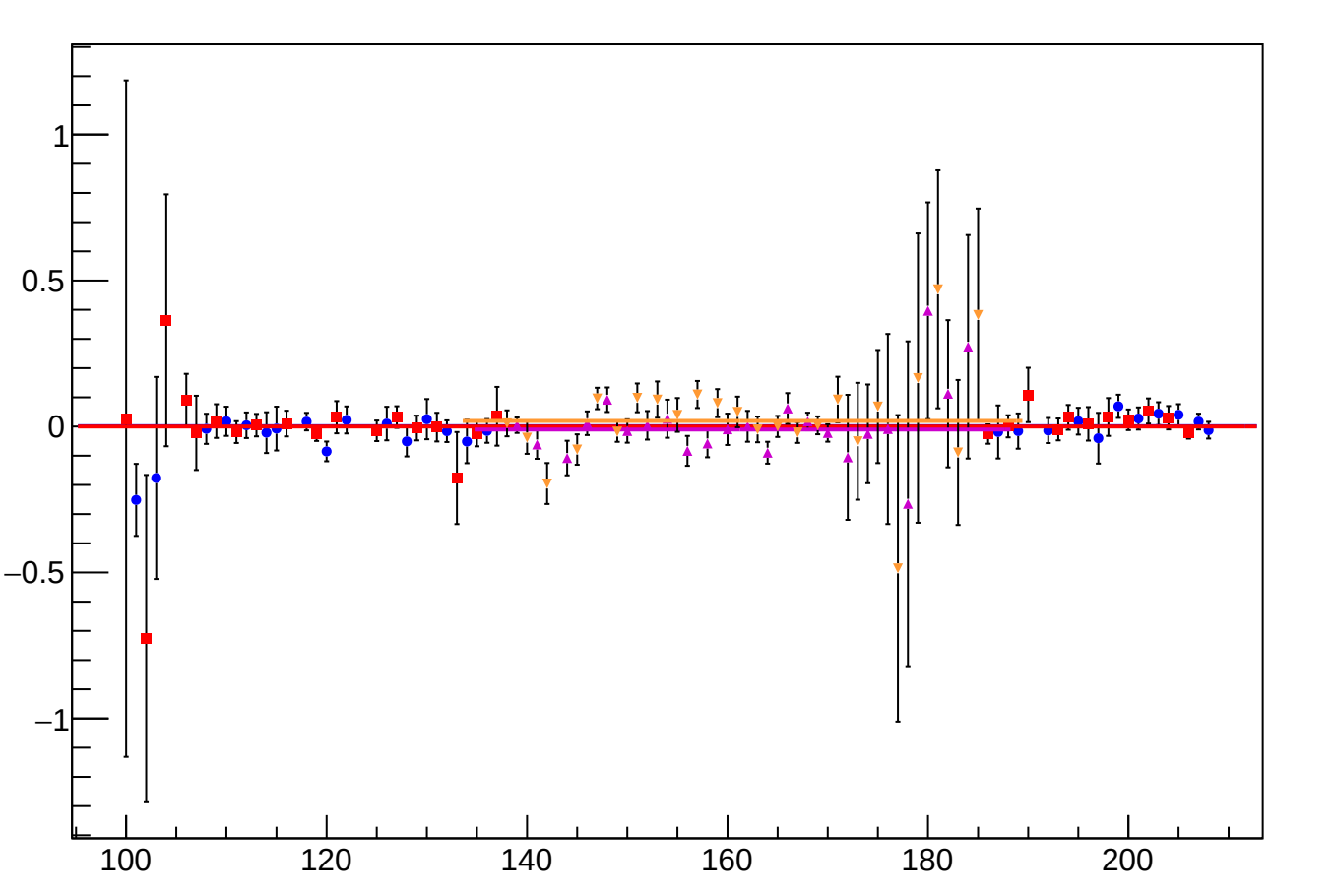
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 20985883.4/55

In: 0.003+/-0.000 χ^2/NDF:20298731.4/49

Out: 0.003+/-0.000 χ^2/NDF:15147911.3/52

All: 0.003+/-0.000 χ^2/NDF: 36227136.4/102



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

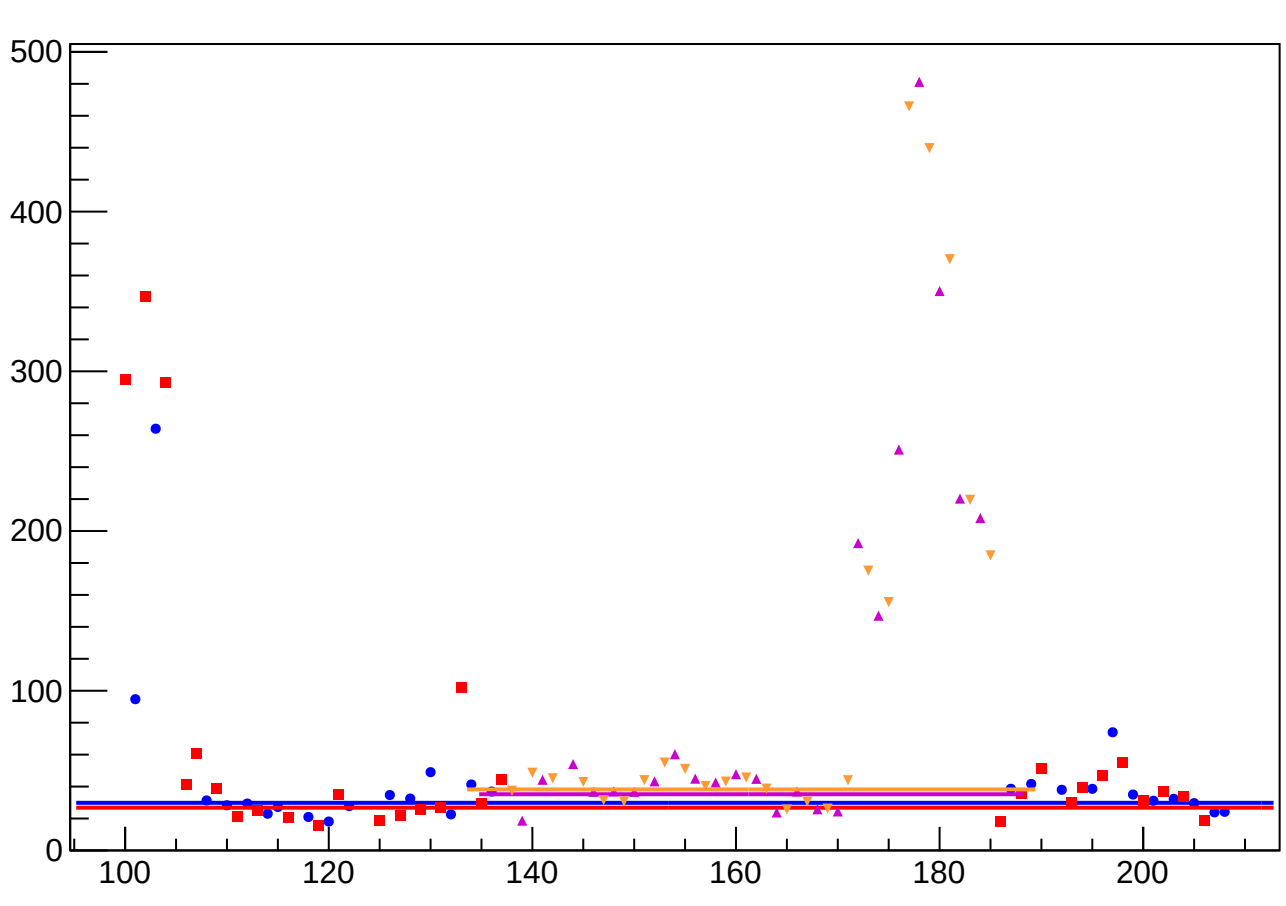
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.006 χ^2/NDF: 35.0/55

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.6/102



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

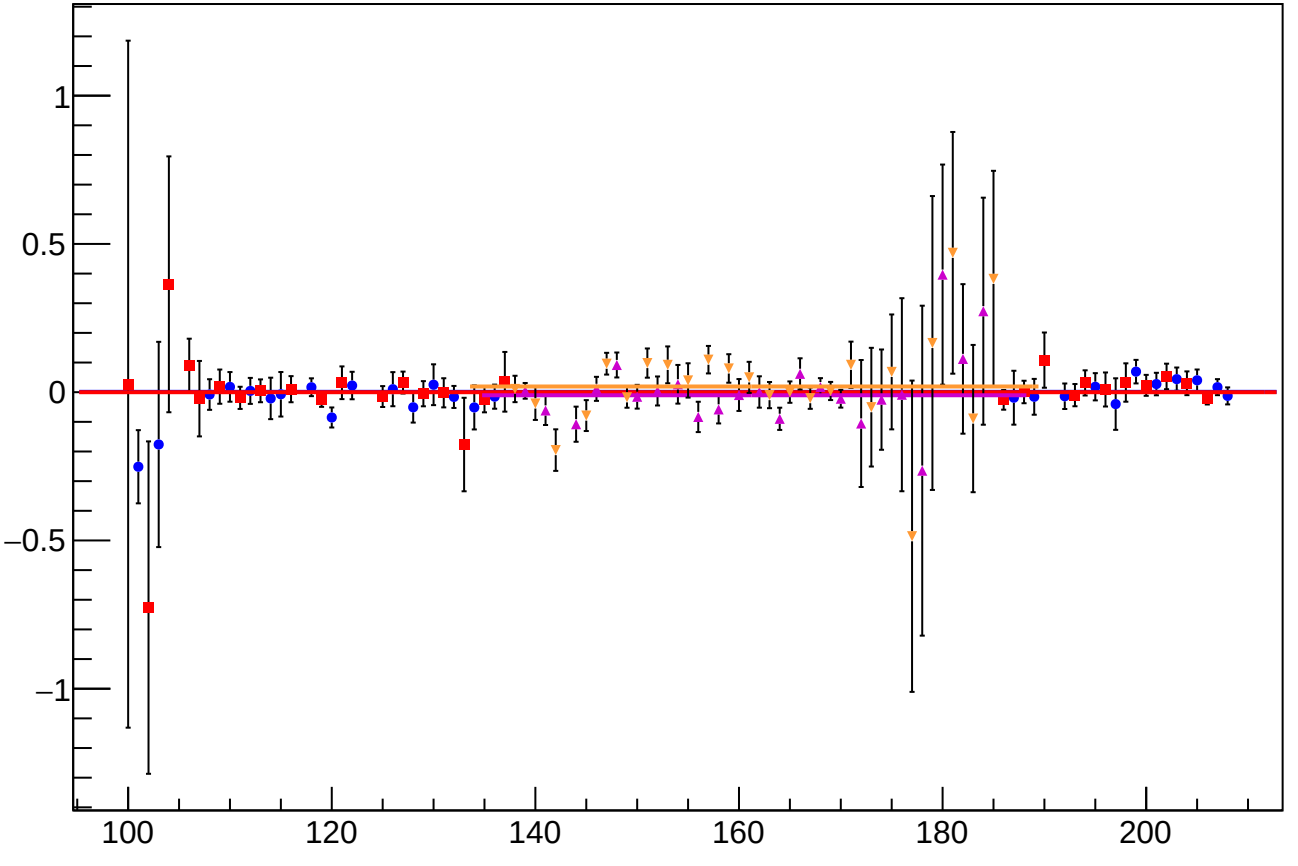
Right: 28.207+/-0.004 χ^2/NDF: 8077599.4/55

In: 32.048+/-0.005 χ^2/NDF:12959693.5/49

Out: 30.877+/-0.005 χ^2/NDF:14417207.2/52

All: 31.451+/-0.003 χ^2/NDF: 27409028.8/102

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

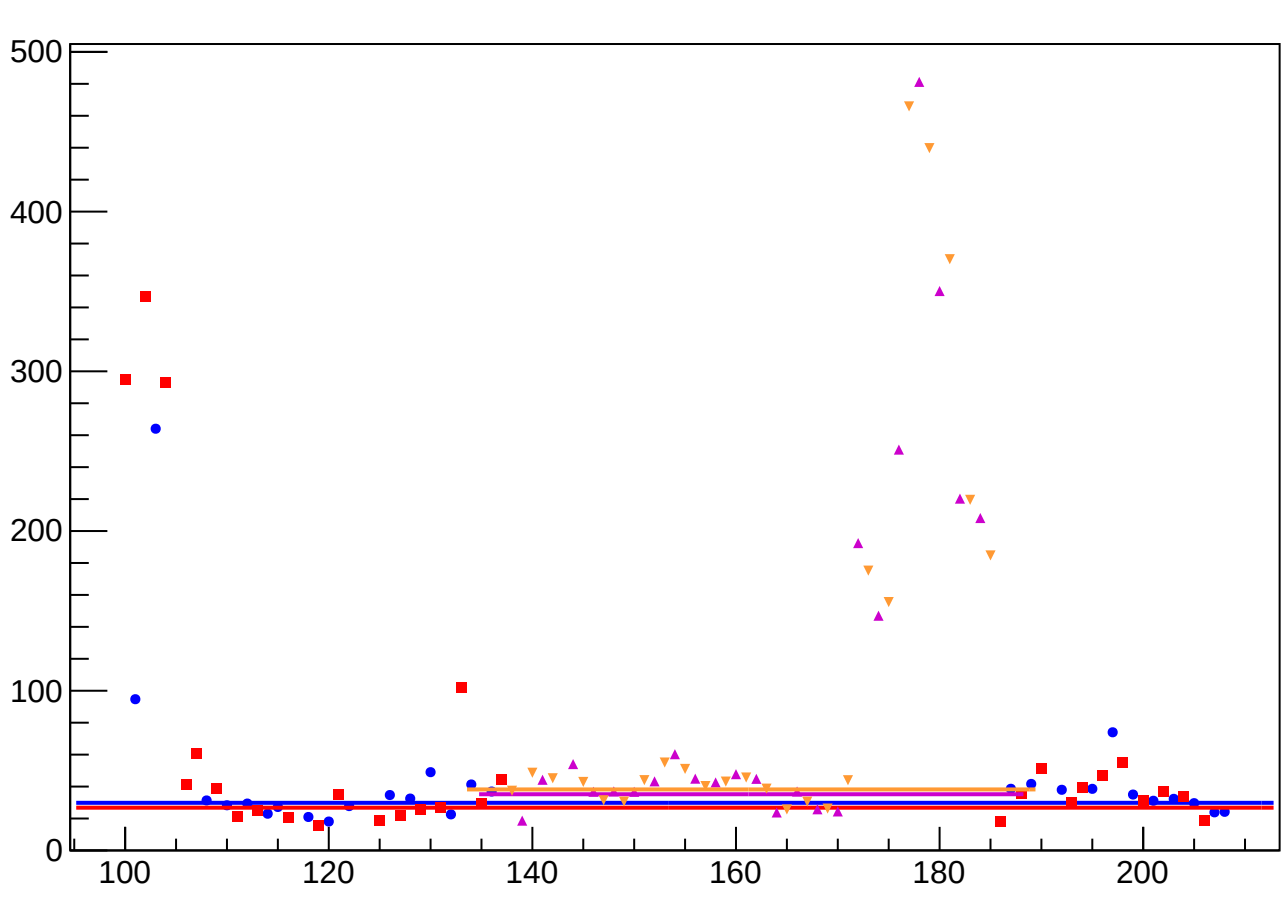
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.006 χ^2/NDF: 35.0/55

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.6/102



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

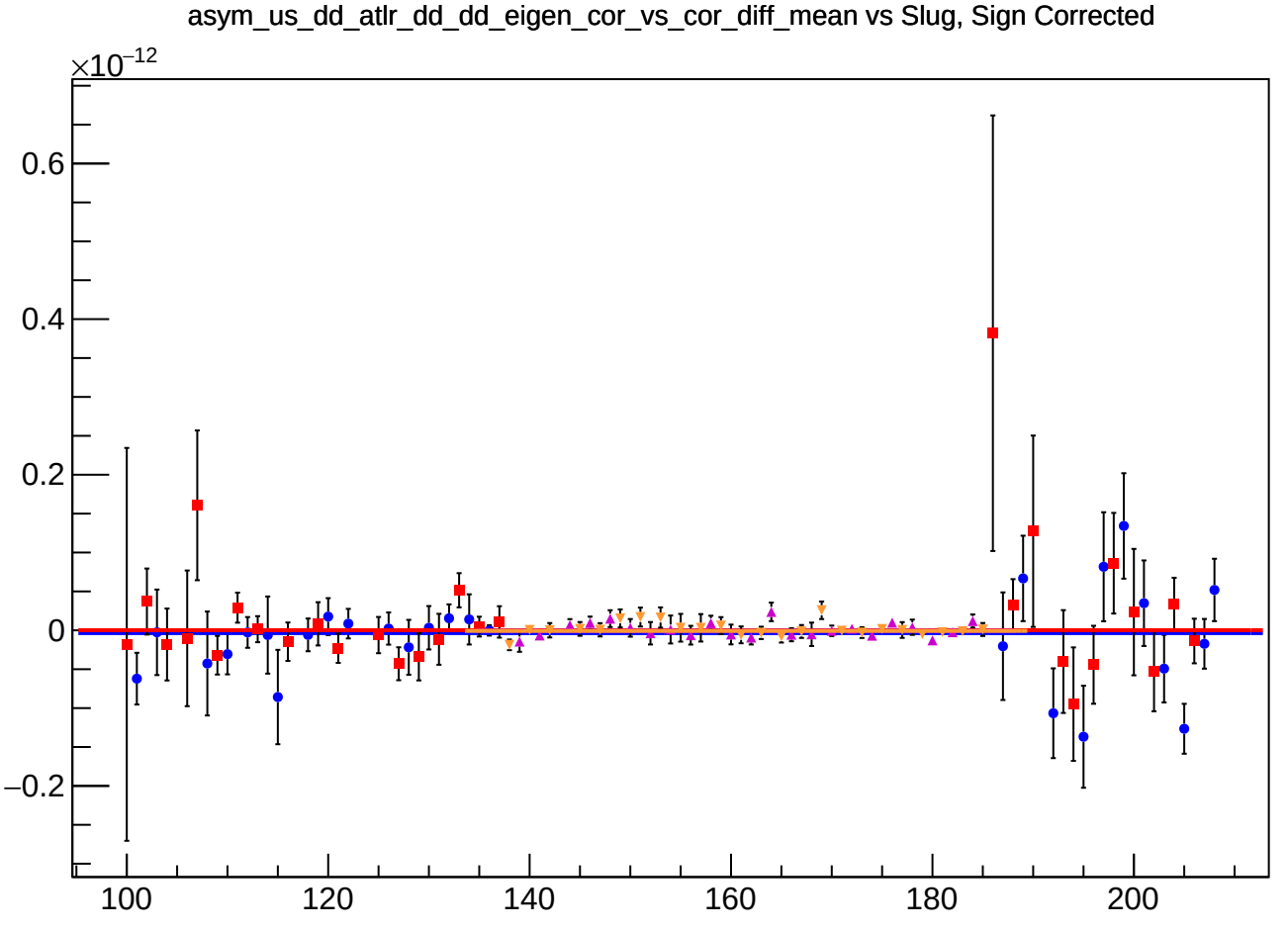
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.207+/-0.004 χ^2/NDF: 8077599.4/55

In: 32.048+/-0.005 χ^2/NDF:12959693.5/49

Out: 30.877+/-0.005 χ^2/NDF:14417207.2/52

All: 31.451+/-0.003 χ^2/NDF: 27409028.8/102



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

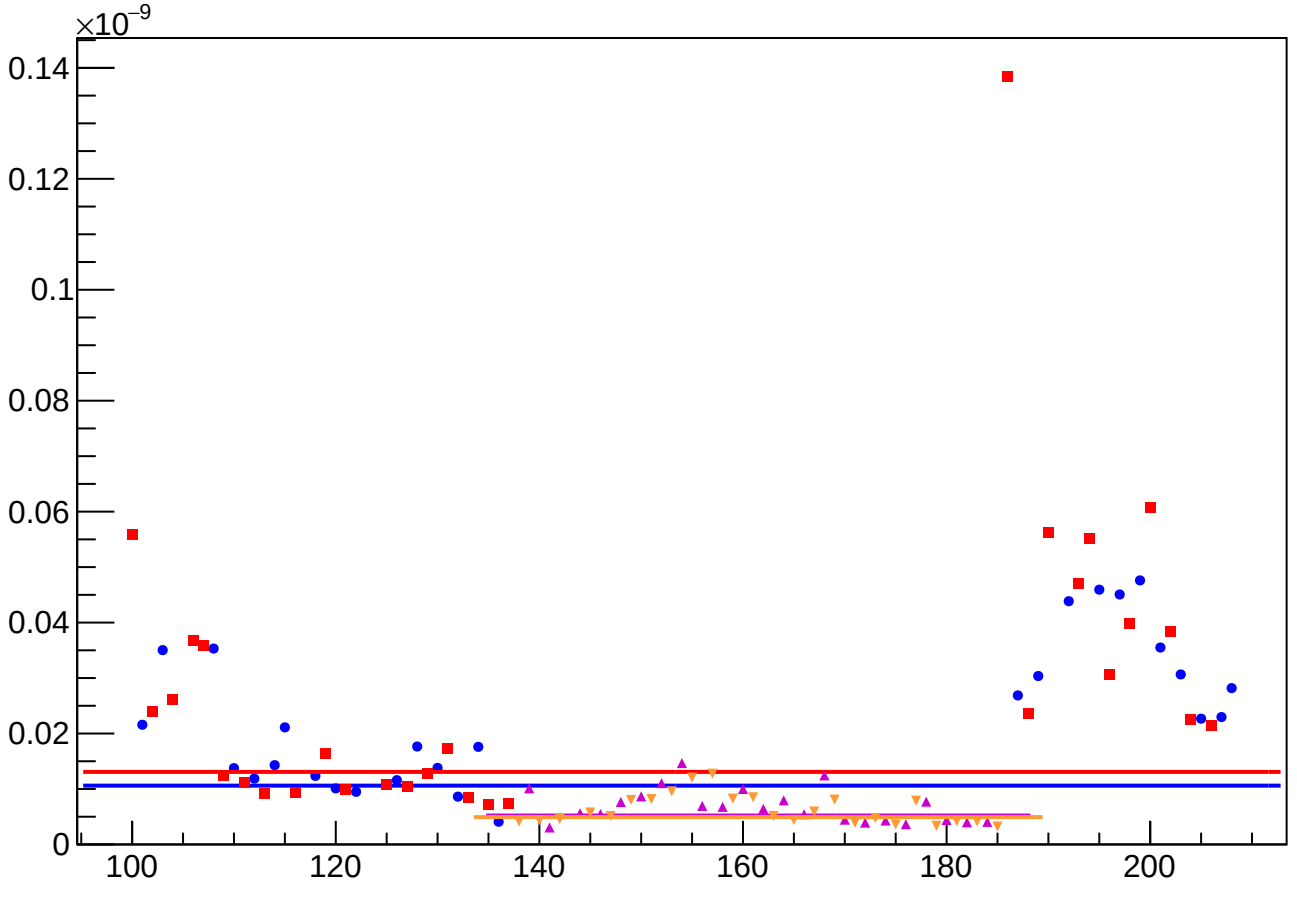
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 75.0/55

In: -0.000+/-0.000 χ^2/NDF:69.4/49

Out: -0.000+/-0.000 χ^2/NDF:53.1/52

All: -0.000+/-0.000 χ^2/NDF: 122.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 7636862.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5743302.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

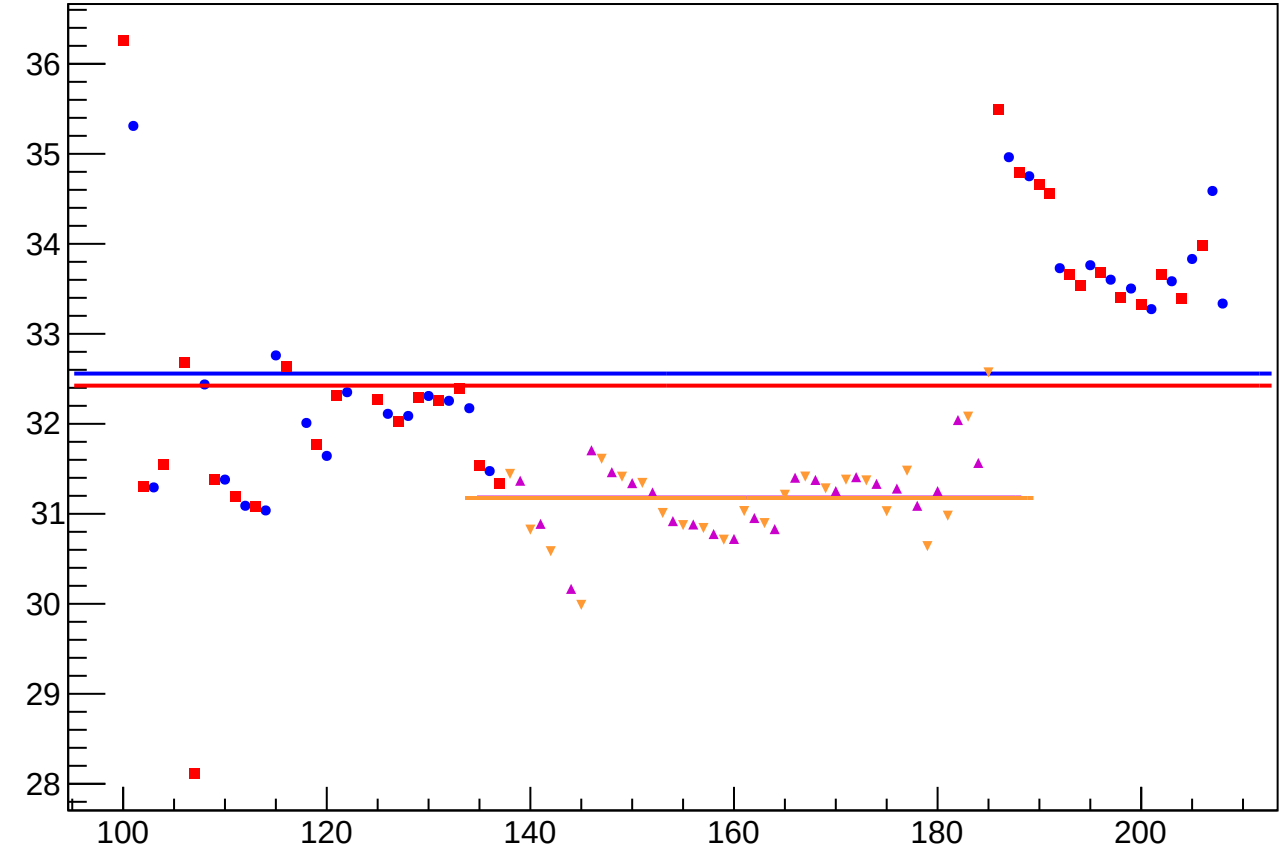
Right: 0.000+/-0.000 χ^2/NDF: 13635947.0/55

In: 0.000+/-0.000 χ^2/NDF:13585660.0/49

Out: 0.000+/-0.000 χ^2/NDF:12813553.0/52

All: 0.000+/-0.000 χ^2/NDF: 26424186.6/102

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.559+/-0.000 χ^2/NDF: 2237496636.6/26

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.424+/-0.000 χ^2/NDF: 2005075442.2/29

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

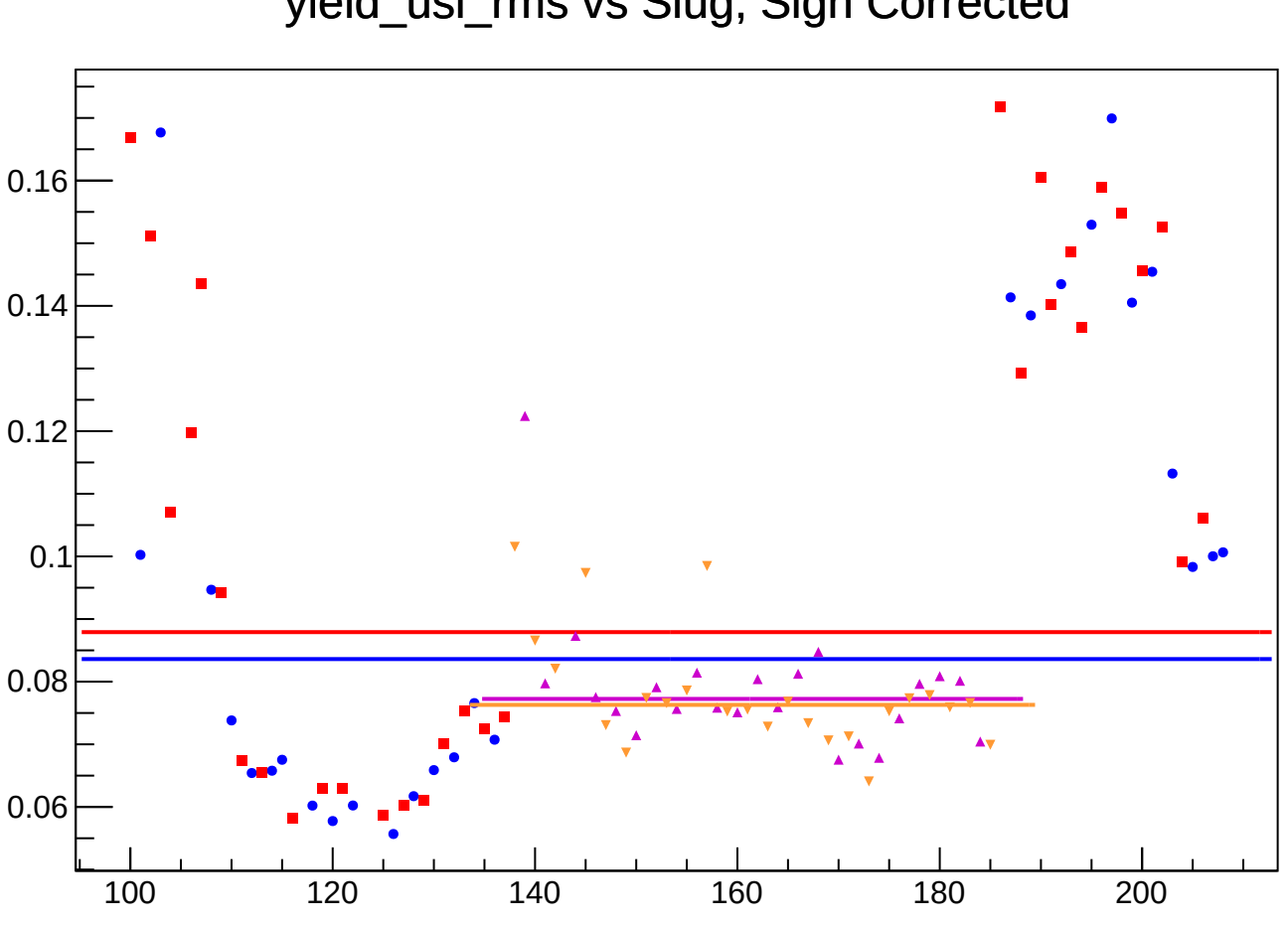
Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

Right: 32.494+/-0.000 χ^2/NDF: 4258749978.4/56

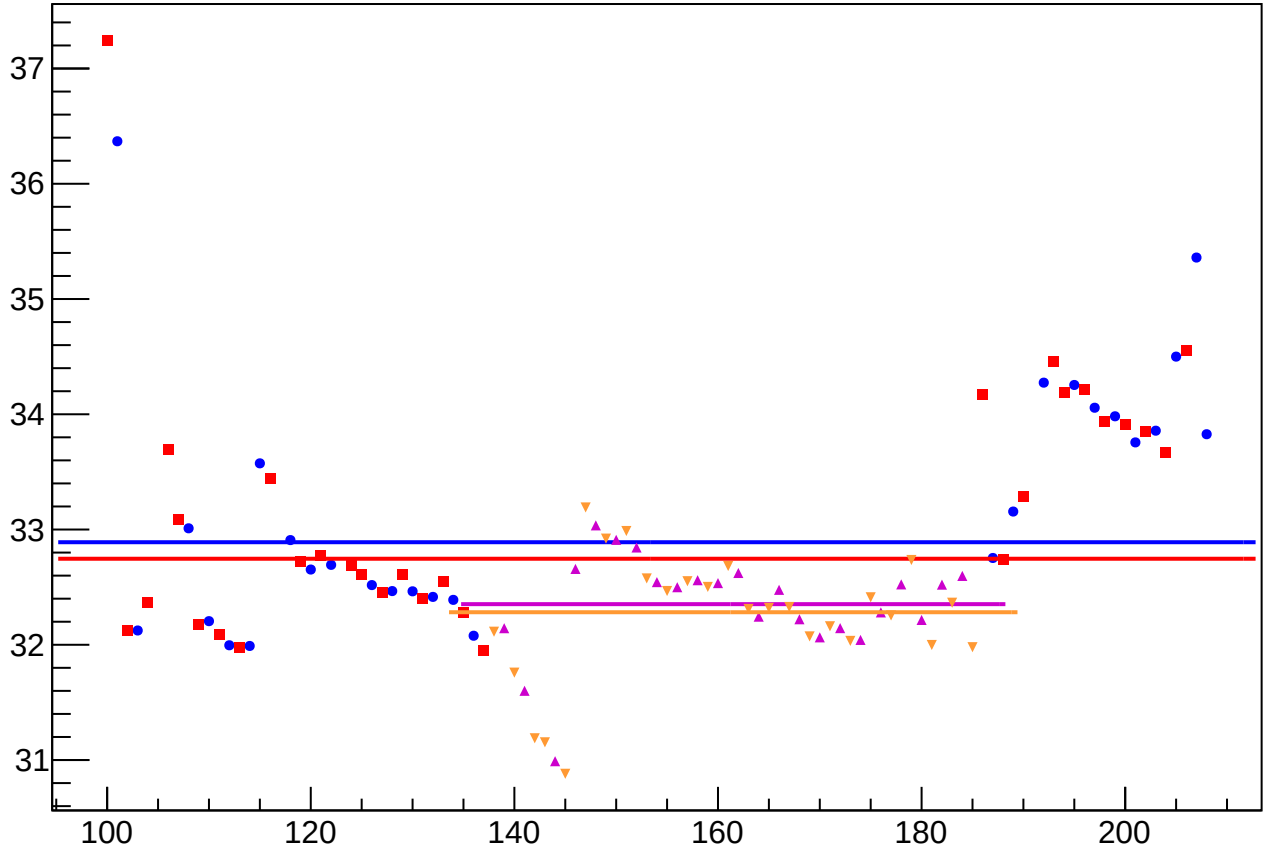
In: 31.737+/-0.000 χ^2/NDF:4738483609.4/49

Out: 31.644+/-0.000 χ^2/NDF:4218728519.1/53

All: 31.691+/-0.000 χ^2/NDF: 8977272412.3/1


yield_usl_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.084+/-0.000 χ²/NDF: 3444257.4/26
Left Out: 0.076+/-0.000 χ²/NDF:356697.3/23
Right Out: 0.088+/-0.000 χ²/NDF: 3939244.9/29
Left In: 0.077+/-0.000 χ²/NDF:365206.5/22
Left: 0.077+/-0.000 χ²/NDF: 724458.6/46
Right: 0.086+/-0.000 χ²/NDF: 7416826.8/56
In: 0.080+/-0.000 χ²/NDF:3900088.9/49
Out: 0.081+/-0.000 χ²/NDF:4587390.4/53
All: 0.080+/-0.000 χ²/NDF: 8490718.7/103

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.890+/-0.000 χ^2/NDF: 1141028933.3/26

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.747+/-0.000 χ^2/NDF: 529551502.6/29

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

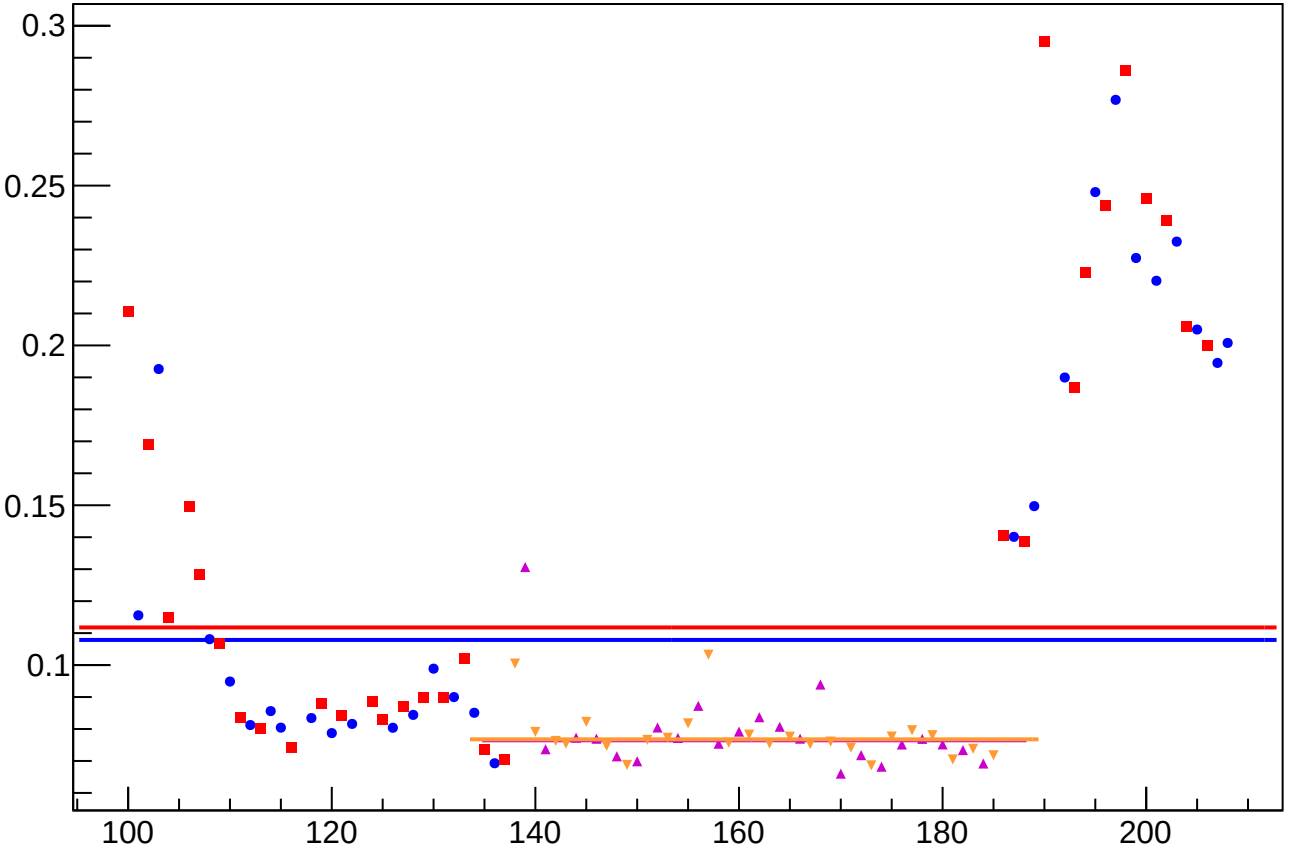
Right: 32.819+/-0.000 χ^2/NDF: 1681001742.5/56

In: 32.494+/-0.000 χ^2/NDF:1950413509.6/49

Out: 32.398+/-0.000 χ^2/NDF:1529697987.6/54

All: 32.446+/-0.000 χ^2/NDF: 3498439868.9/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.108+/-0.000 χ^2/NDF: 5350339.0/26

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.112+/-0.000 χ^2/NDF: 5163159.9/29

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

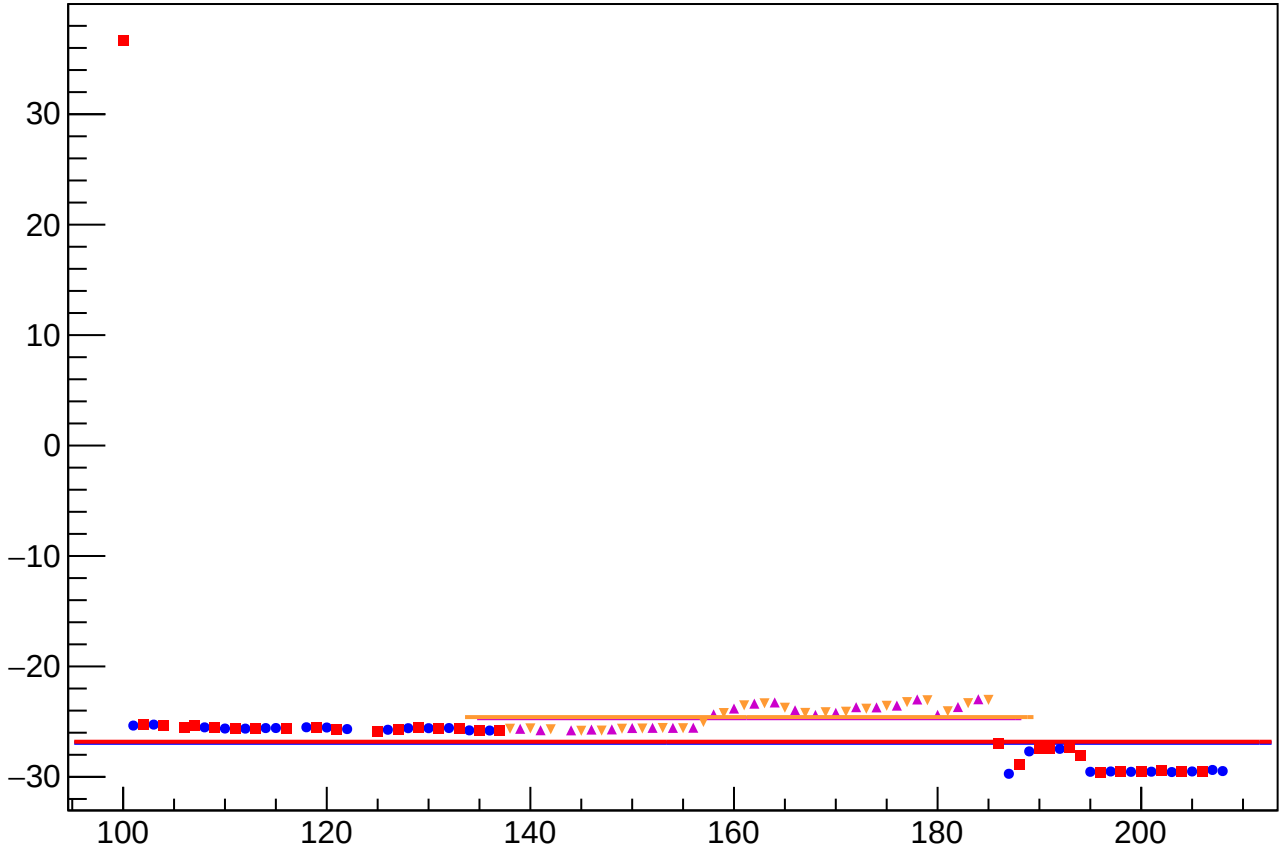
Right: 0.110+/-0.000 χ^2/NDF: 10529002.2/56

In: 0.085+/-0.000 χ^2/NDF:7331775.6/49

Out: 0.086+/-0.000 χ^2/NDF:7247707.3/54

All: 0.085+/-0.000 χ^2/NDF: 14581638.9/104

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.916+/-0.000 χ^2/NDF: 21013094984.3/26

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.817+/-0.000 χ^2/NDF: 27859199827.2/29

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

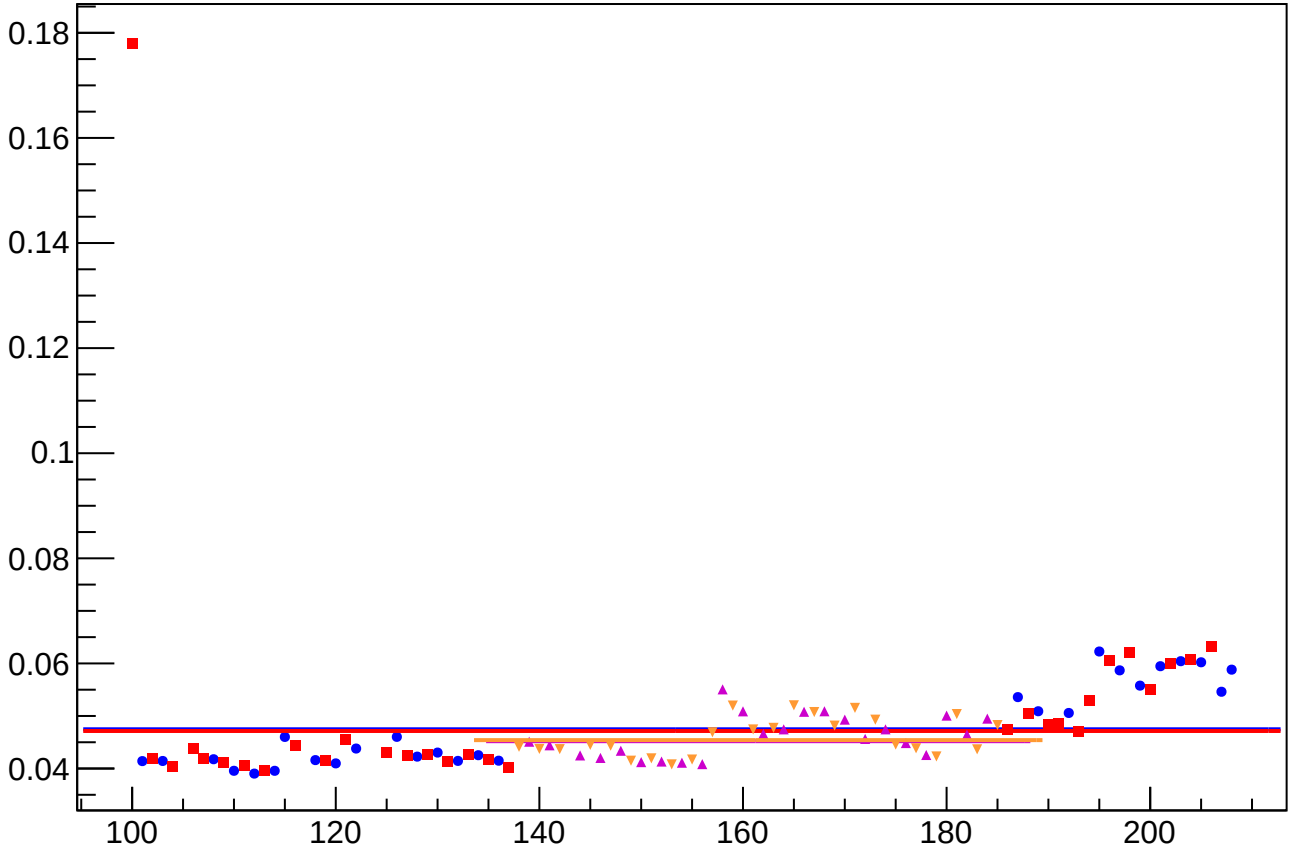
Right: -26.865+/-0.000 χ^2/NDF: 48906010283.8/56

In: -25.654+/-0.000 χ^2/NDF:48571694498.1/49

Out: -25.577+/-0.000 χ^2/NDF:56310115421.8/53

All: -25.615+/-0.000 χ^2/NDF: 104928025806

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.047+/-0.000 χ^2/NDF: 800670.7/26

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 843336.9/29

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

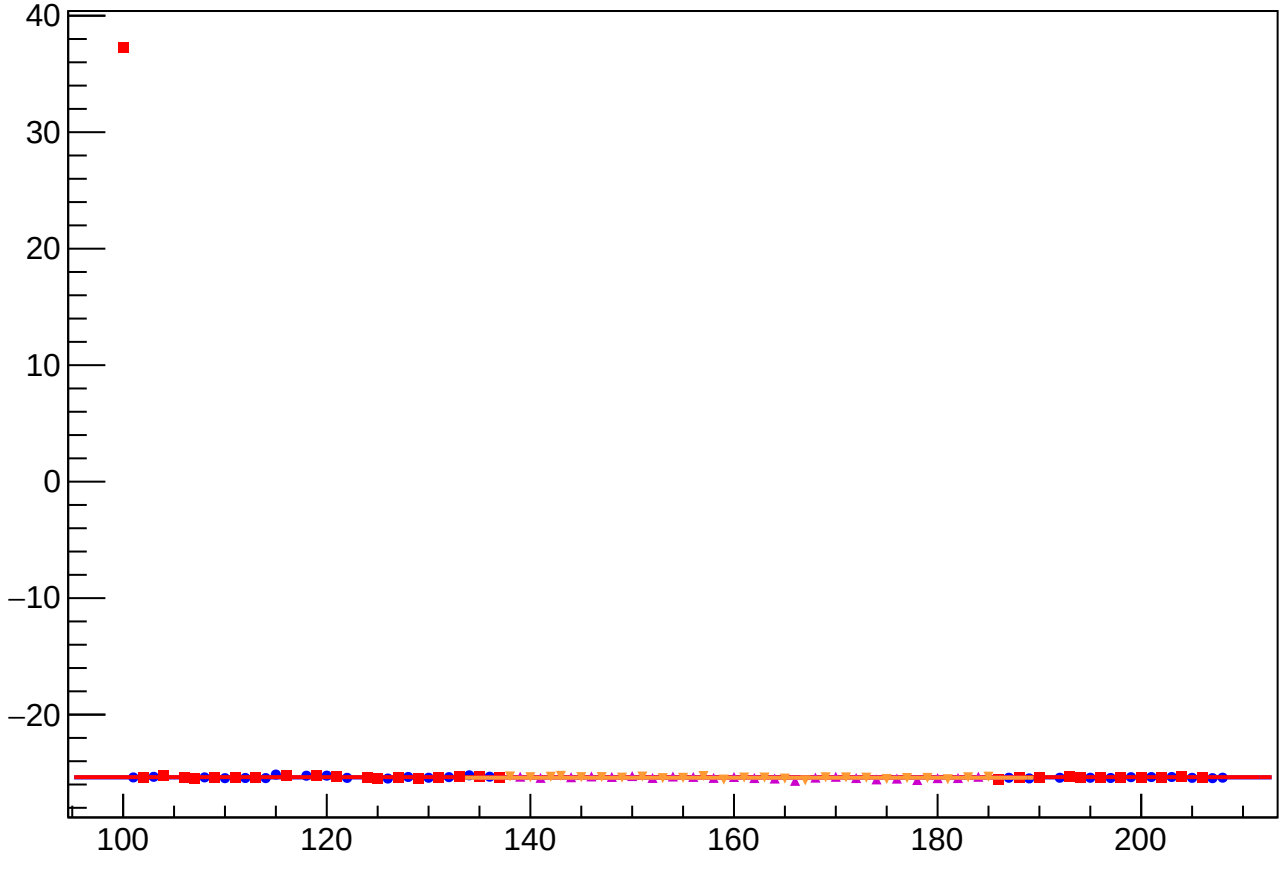
Right: 0.047+/-0.000 χ^2/NDF: 1644711.4/56

In: 0.046+/-0.000 χ^2/NDF:1084051.0/49

Out: 0.046+/-0.000 χ^2/NDF:1072395.3/53

All: 0.046+/-0.000 χ^2/NDF: 2156447.2/103

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.391+/-0.000 χ^2/NDF: 21249104.5/26

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.367+/-0.000 χ^2/NDF: 6331886386.3/29

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

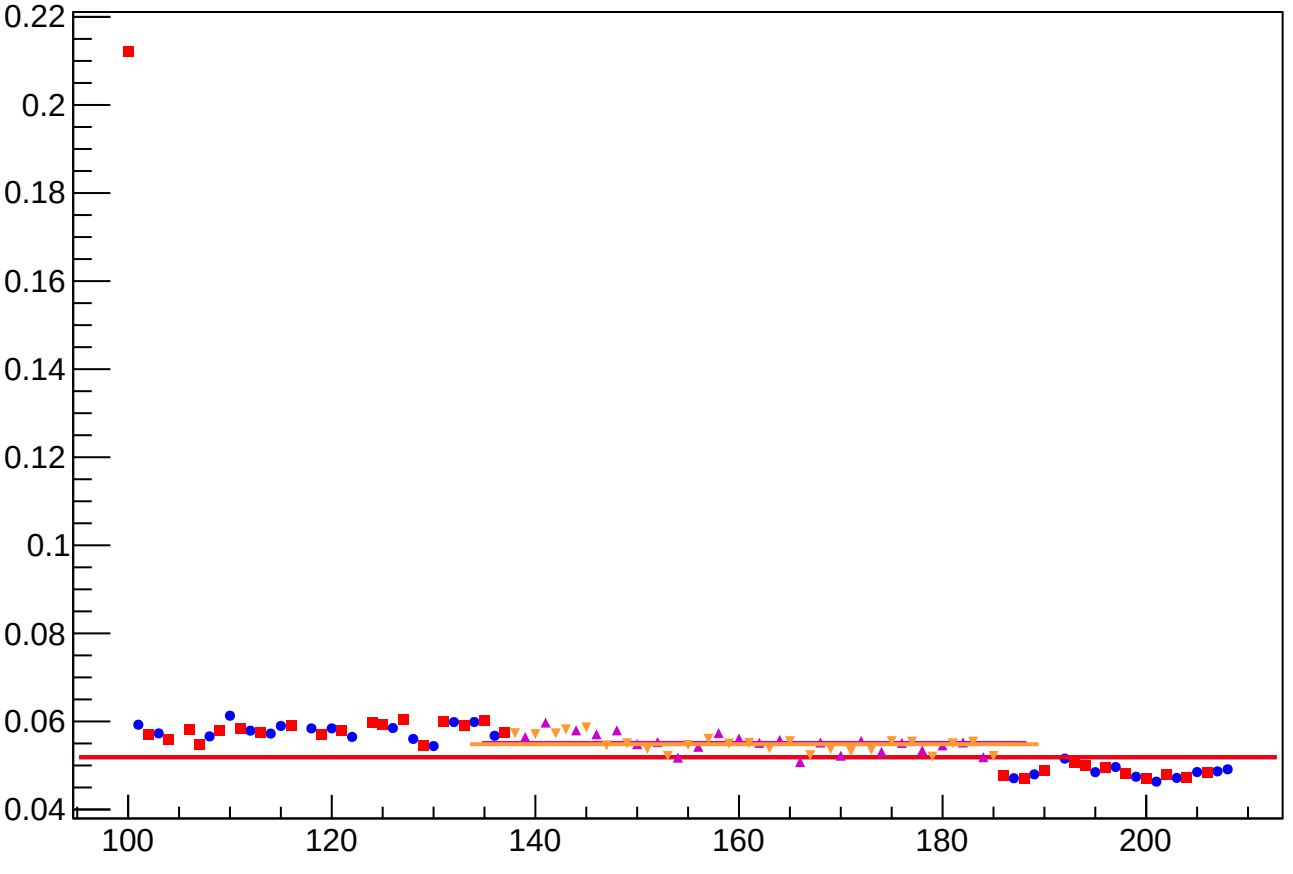
Right: -25.379+/-0.000 χ^2/NDF: 6354803644.0/56

In: -25.403+/-0.000 χ^2/NDF:78591989.3/49

Out: -25.393+/-0.000 χ^2/NDF:6391427377.9/54

All: -25.398+/-0.000 χ^2/NDF: 6470614463.9/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 253107.9/26

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.052+/-0.000 χ^2/NDF: 352188.9/29

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

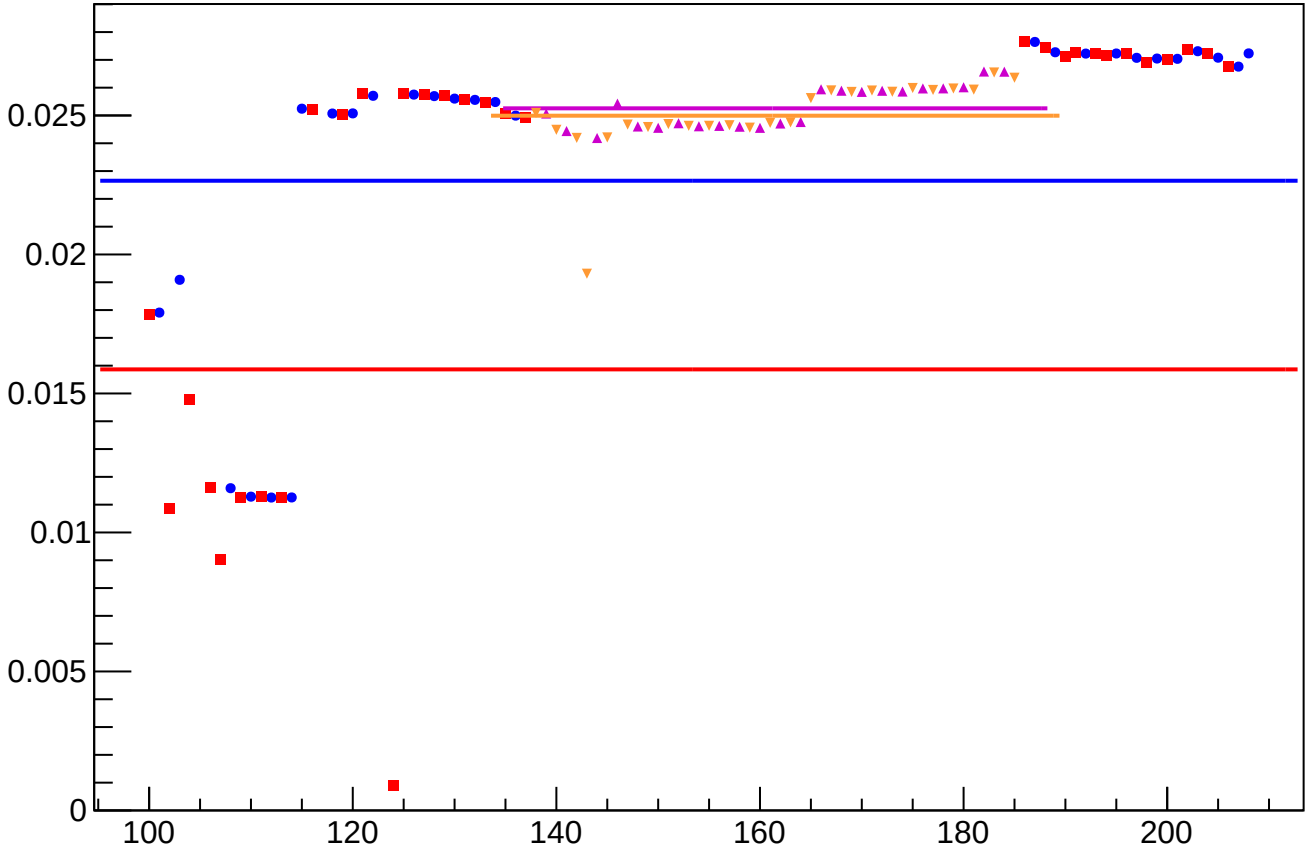
Right: 0.052+/-0.000 χ^2/NDF: 605313.5/56

In: 0.053+/-0.000 χ^2/NDF:365845.4/49

Out: 0.053+/-0.000 χ^2/NDF:441366.9/54

All: 0.053+/-0.000 χ^2/NDF: 807300.5/104

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 93022339313.9/26

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 429639270604.0/30

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

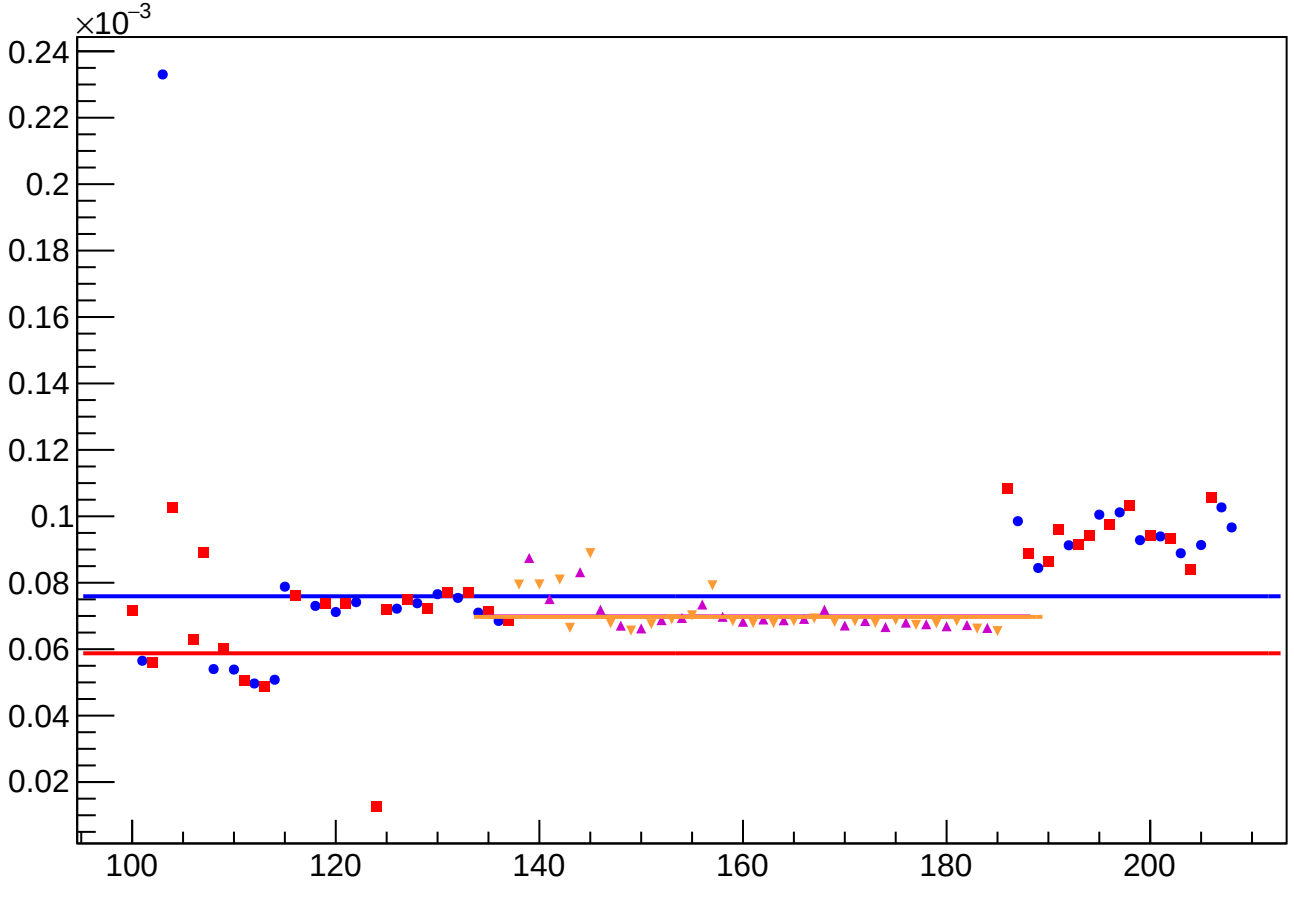
Right: 0.019+/-0.000 χ^2/NDF: 589878854729.1/57

In: 0.024+/-0.000 χ^2/NDF:105010197797.5/49

Out: 0.021+/-0.000 χ^2/NDF:591189508602.7/55

All: 0.022+/-0.000 χ^2/NDF: 738315778663.1

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1877803.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7302844.6/30

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

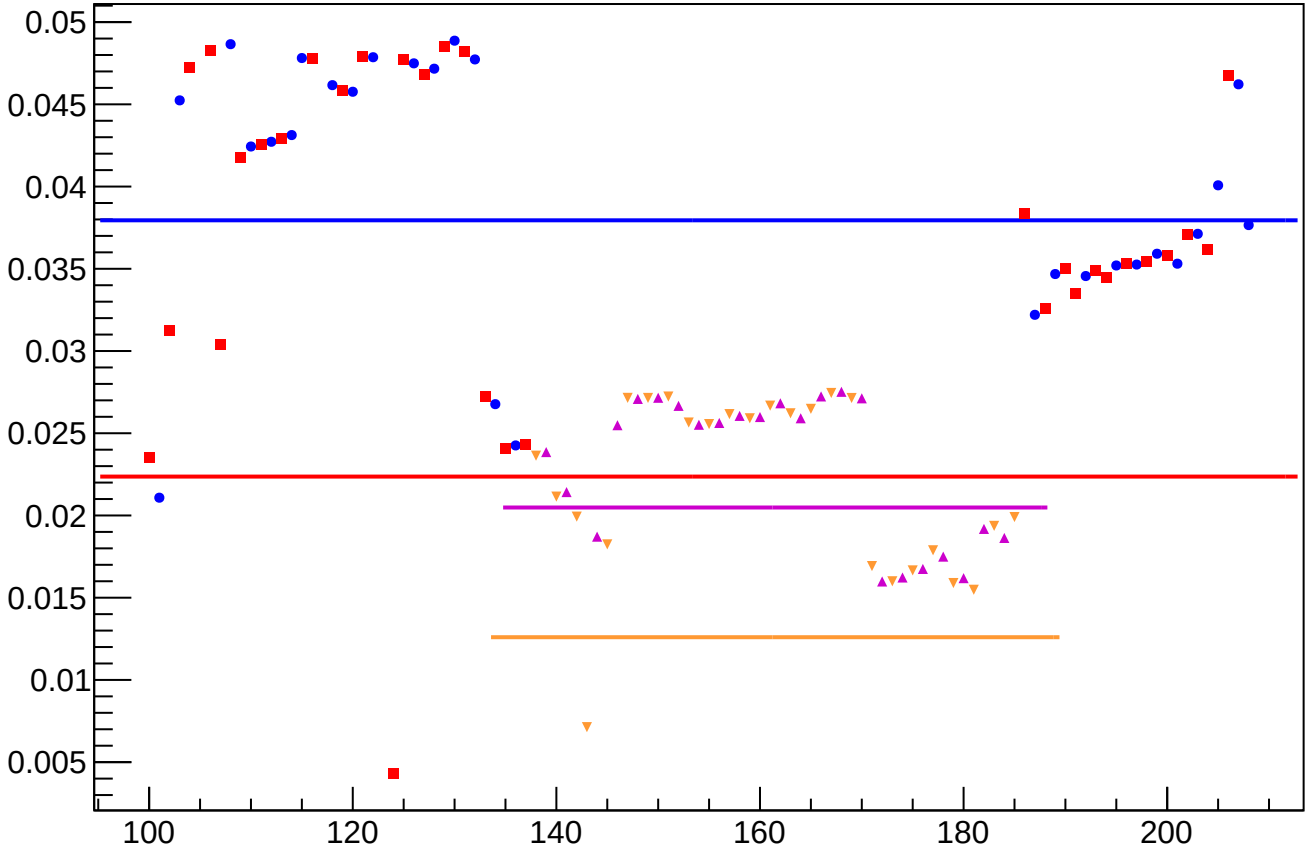
Right: 0.000+/-0.000 χ^2/NDF: 10041114.3/57

In: 0.000+/-0.000 χ^2/NDF:2139521.3/49

Out: 0.000+/-0.000 χ^2/NDF:7935057.7/55

All: 0.000+/-0.000 χ^2/NDF: 10483335.5/105

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7334413177.9/26

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 46853034264.6/30

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

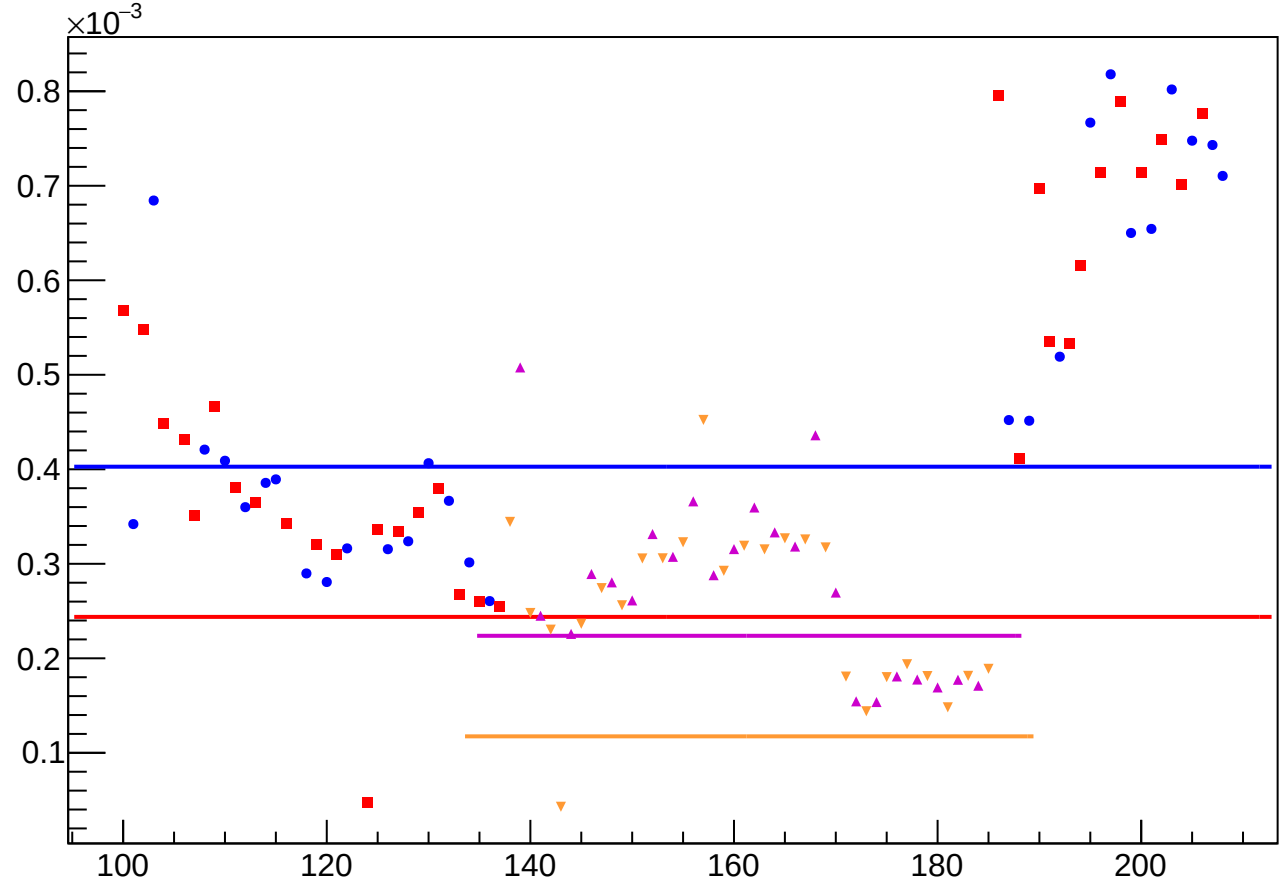
Right: 0.028+/-0.000 χ^2/NDF: 66467927550.6/57

In: 0.024+/-0.000 χ^2/NDF:32349360615.8/49

Out: 0.014+/-0.000 χ^2/NDF:95694528848.2/55

All: 0.017+/-0.000 χ^2/NDF: 154268644419.9

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4013953.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13337677.8/30

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

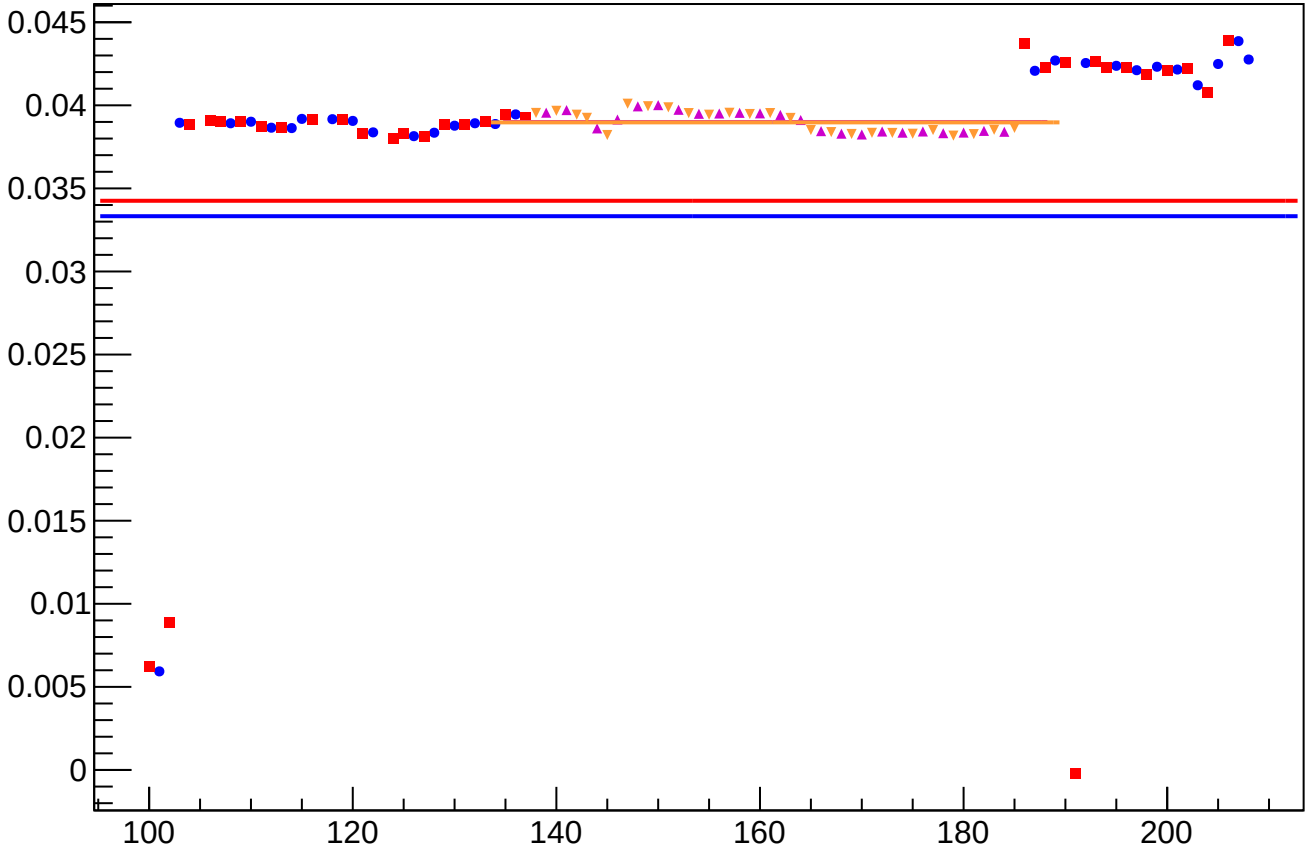
Right: 0.000+/-0.000 χ^2/NDF: 19906166.7/57

In: 0.000+/-0.000 χ^2/NDF:11373121.3/49

Out: 0.000+/-0.000 χ^2/NDF:31581062.1/55

All: 0.000+/-0.000 χ^2/NDF: 51020960.6/105

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 129827926625.3/26

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.034+/-0.000 χ^2/NDF: 118865602388.4/30

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

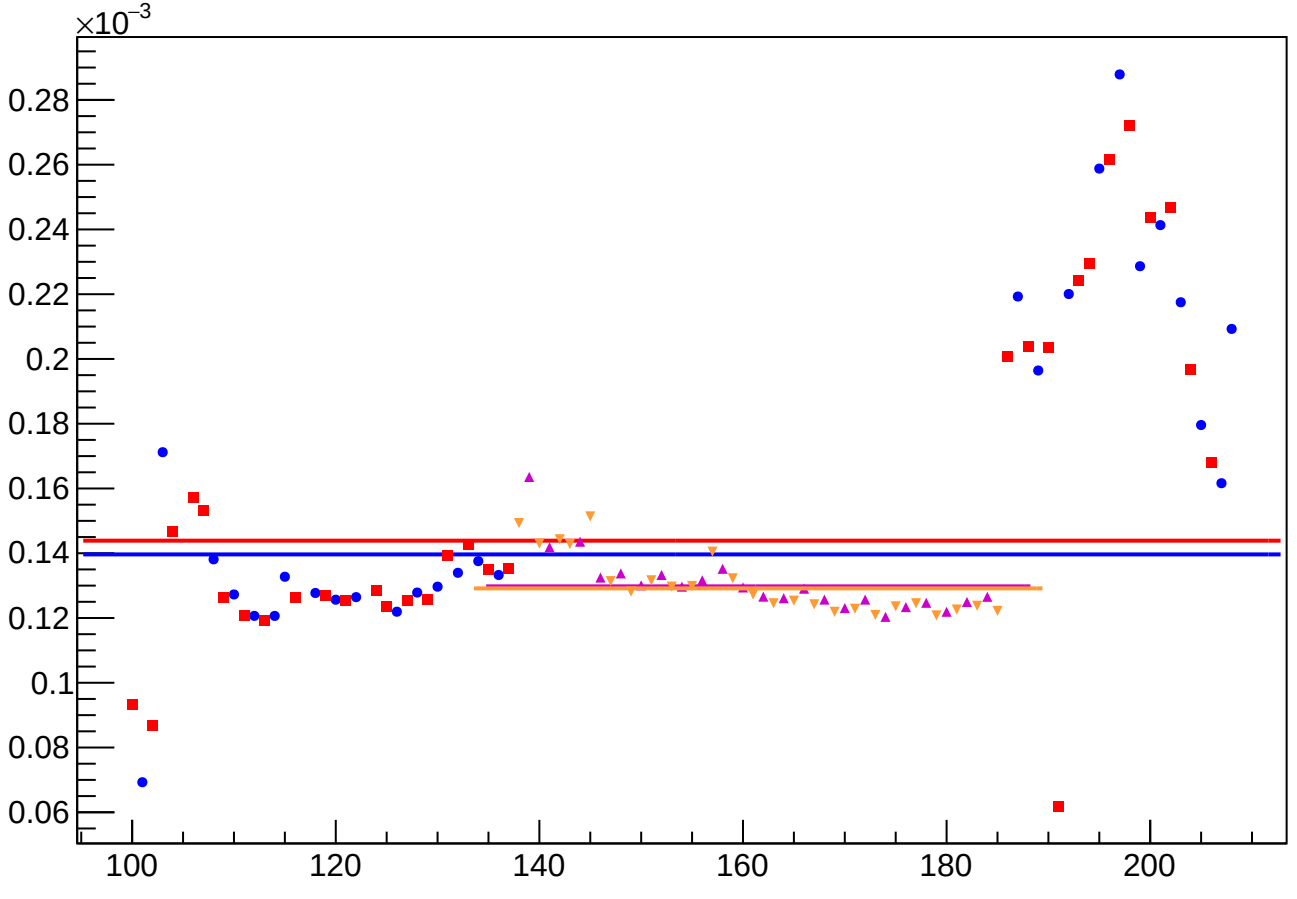
Right: 0.034+/-0.000 χ^2/NDF: 248987911278.2/57

In: 0.037+/-0.000 χ^2/NDF:143686280180.7/49

Out: 0.037+/-0.000 χ^2/NDF:128756307879.7/55

All: 0.037+/-0.000 χ^2/NDF: 272622085456.7

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3700490.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3406806.9/30

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

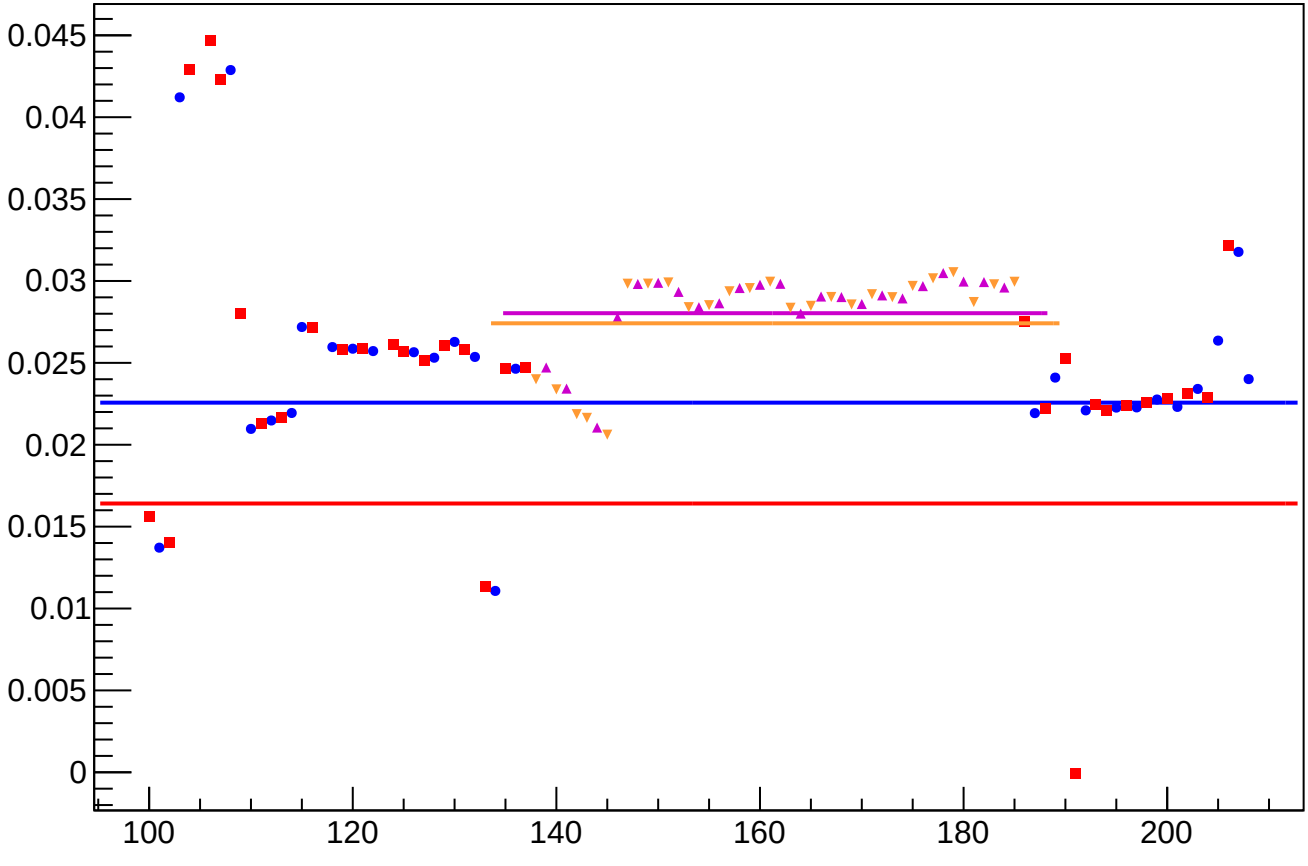
Right: 0.000+/-0.000 χ^2/NDF: 7119598.6/57

In: 0.000+/-0.000 χ^2/NDF:3923766.0/49

Out: 0.000+/-0.000 χ^2/NDF:3748012.3/55

All: 0.000+/-0.000 χ^2/NDF: 7673525.7/105

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5189715794.3/26

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25645452163.6/30

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

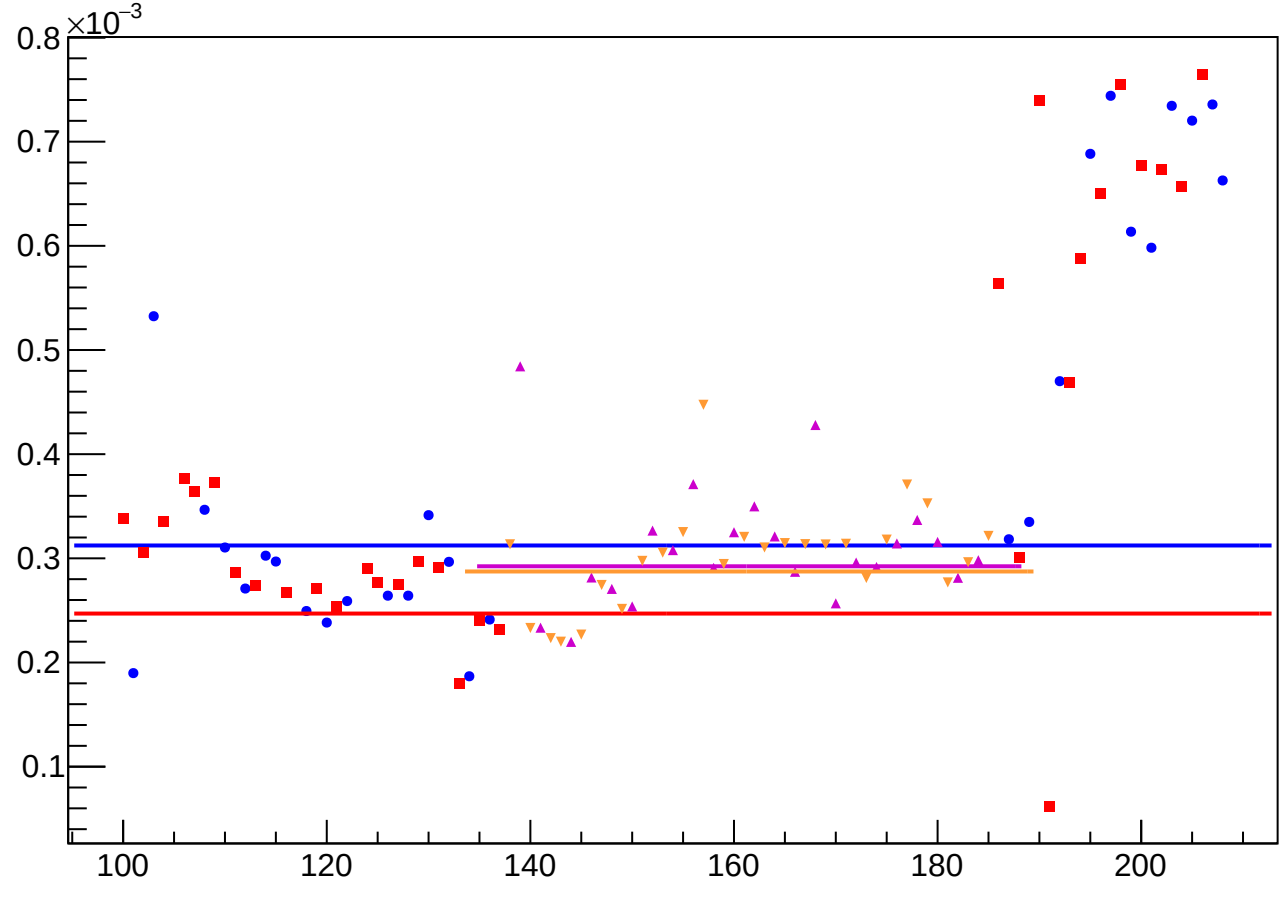
Right: 0.019+/-0.000 χ^2/NDF: 33508284273.2/57

In: 0.026+/-0.000 χ^2/NDF:8907125174.0/49

Out: 0.023+/-0.000 χ^2/NDF:39102141198.5/55

All: 0.024+/-0.000 χ^2/NDF: 50006212987.1/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5455765.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9710737.7/30

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

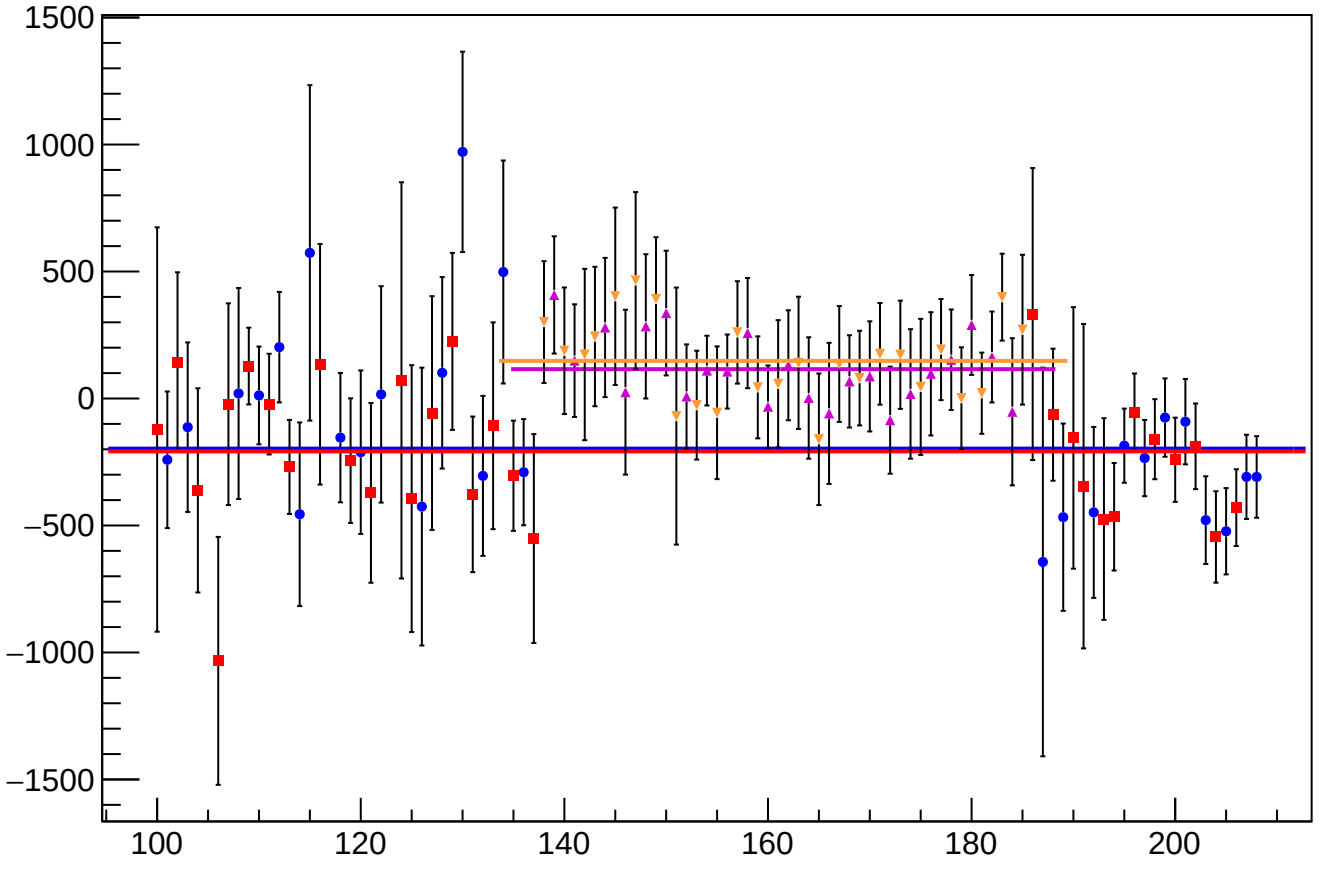
Right: 0.000+/-0.000 χ^2/NDF: 15768505.9/57

In: 0.000+/-0.000 χ^2/NDF:6485742.2/49

Out: 0.000+/-0.000 χ^2/NDF:10834596.9/55

All: 0.000+/-0.000 χ^2/NDF: 17643886.3/105

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -197.338+/-44.622 χ^2/NDF: 29.3/26

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -208.126+/-44.796 χ^2/NDF: 24.1/30

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

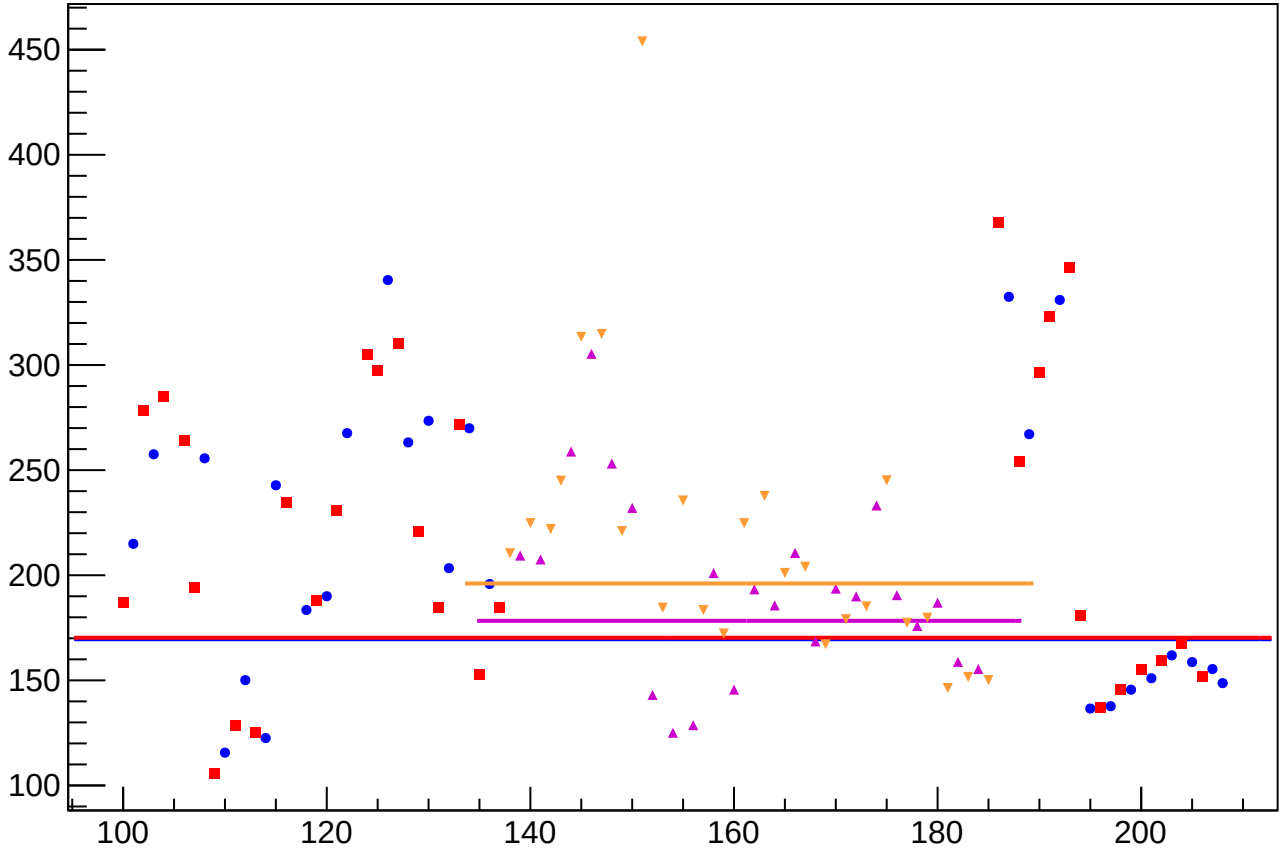
Right: -202.711+/-31.614 χ^2/NDF: 53.4/57

In: -37.186+/-31.173 χ^2/NDF:62.2/49

Out: -35.500+/-32.167 χ^2/NDF:65.1/55

All: -36.370+/-22.386 χ^2/NDF: 127.3/105

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 170.276+/-0.032 χ^2/NDF: 2935421.8/30

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

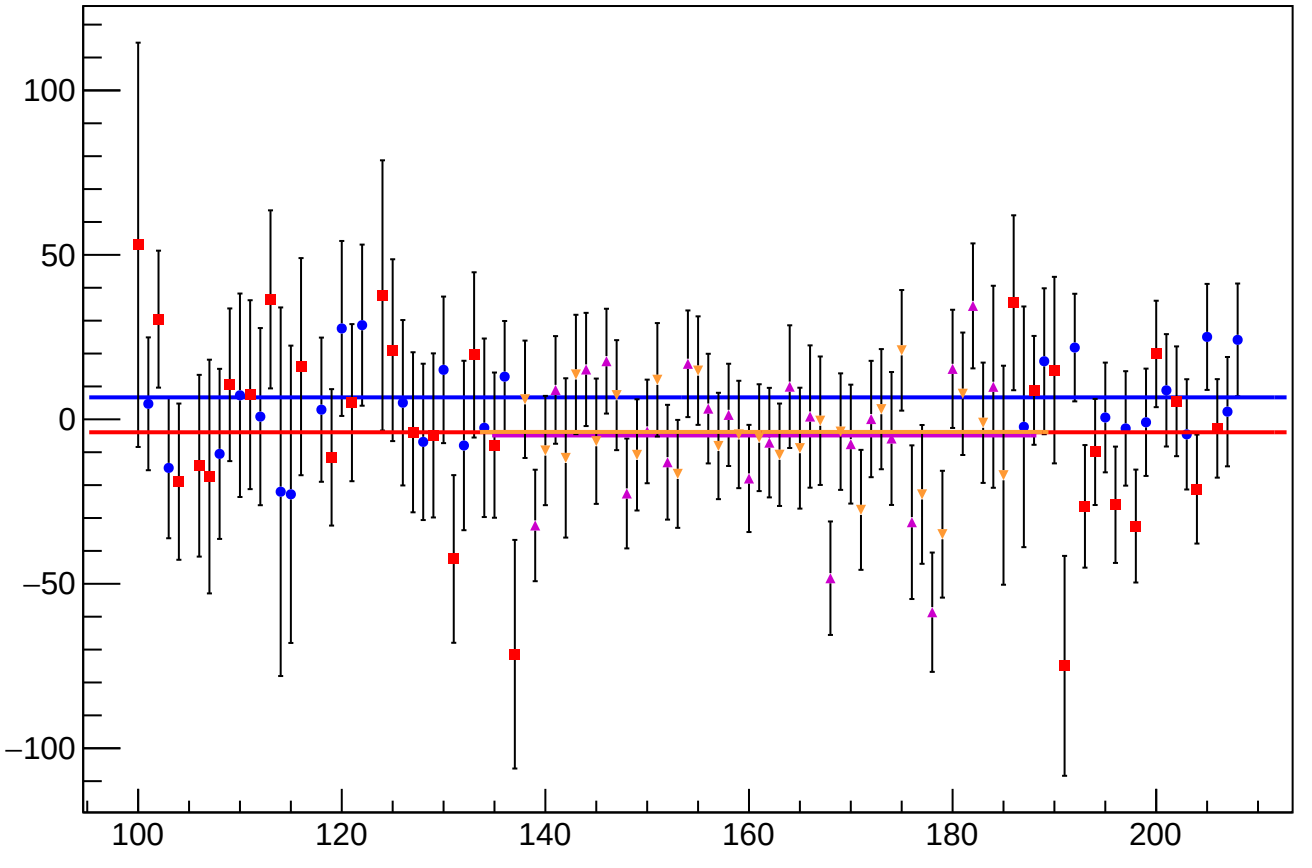
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 169.921+/-0.022 χ^2/NDF: 5201302.7/57

In: 174.047+/-0.022 χ^2/NDF:3983337.1/49

Out: 182.778+/-0.023 χ^2/NDF:5075524.7/55

All: 178.276+/-0.016 χ^2/NDF: 9134831.4/105



Right In: 6.681+/-4.039 χ^2/NDF: 9.4/26

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -3.933+/-3.980 χ^2/NDF: 33.7/30

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

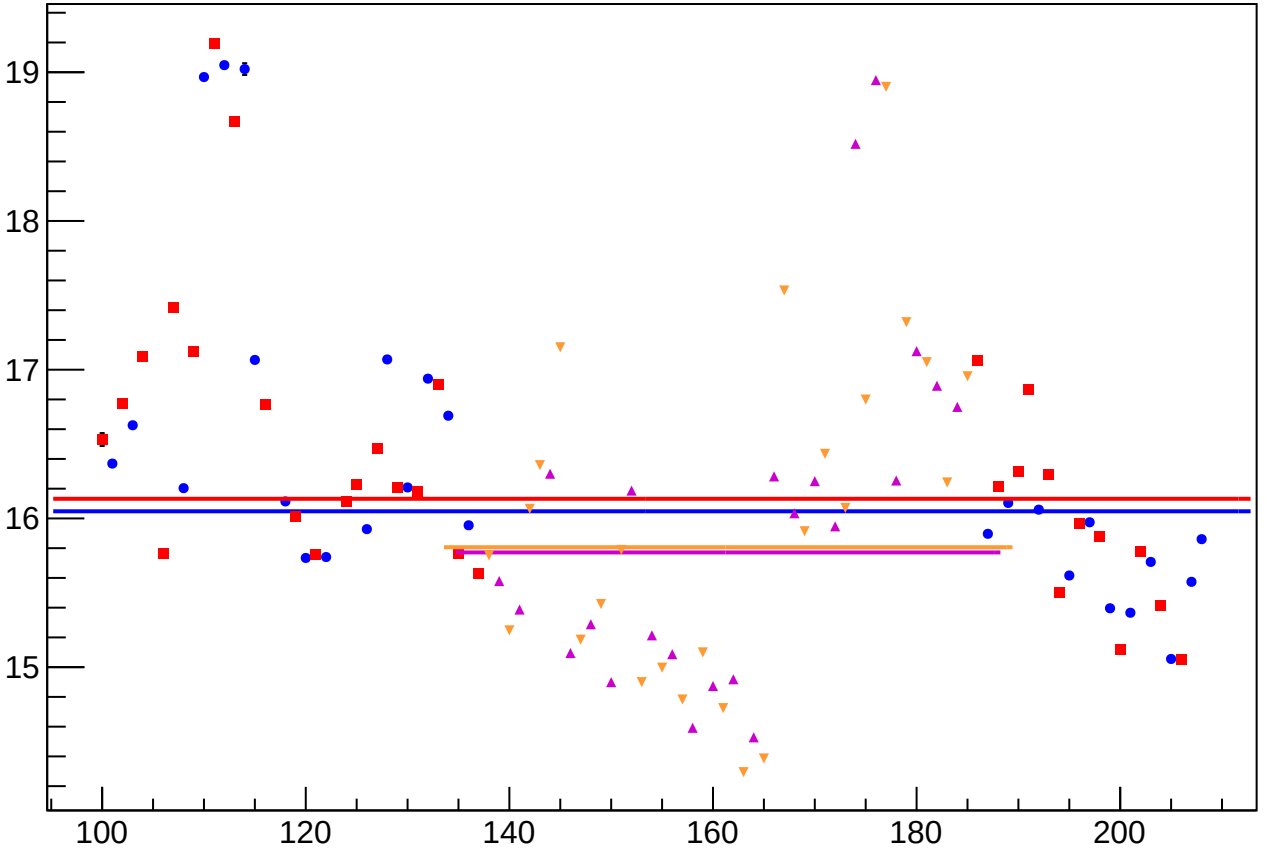
Right: 1.296+/-2.835 χ^2/NDF: 46.6/57

In: 0.375+/-2.727 χ^2/NDF:47.7/49

Out: -3.879+/-2.671 χ^2/NDF:46.6/55

All: -1.796+/-1.908 χ^2/NDF: 95.6/105

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.048+/-0.003 χ^2/NDF: 77449.4/26

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.132+/-0.003 χ^2/NDF: 86976.7/30

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

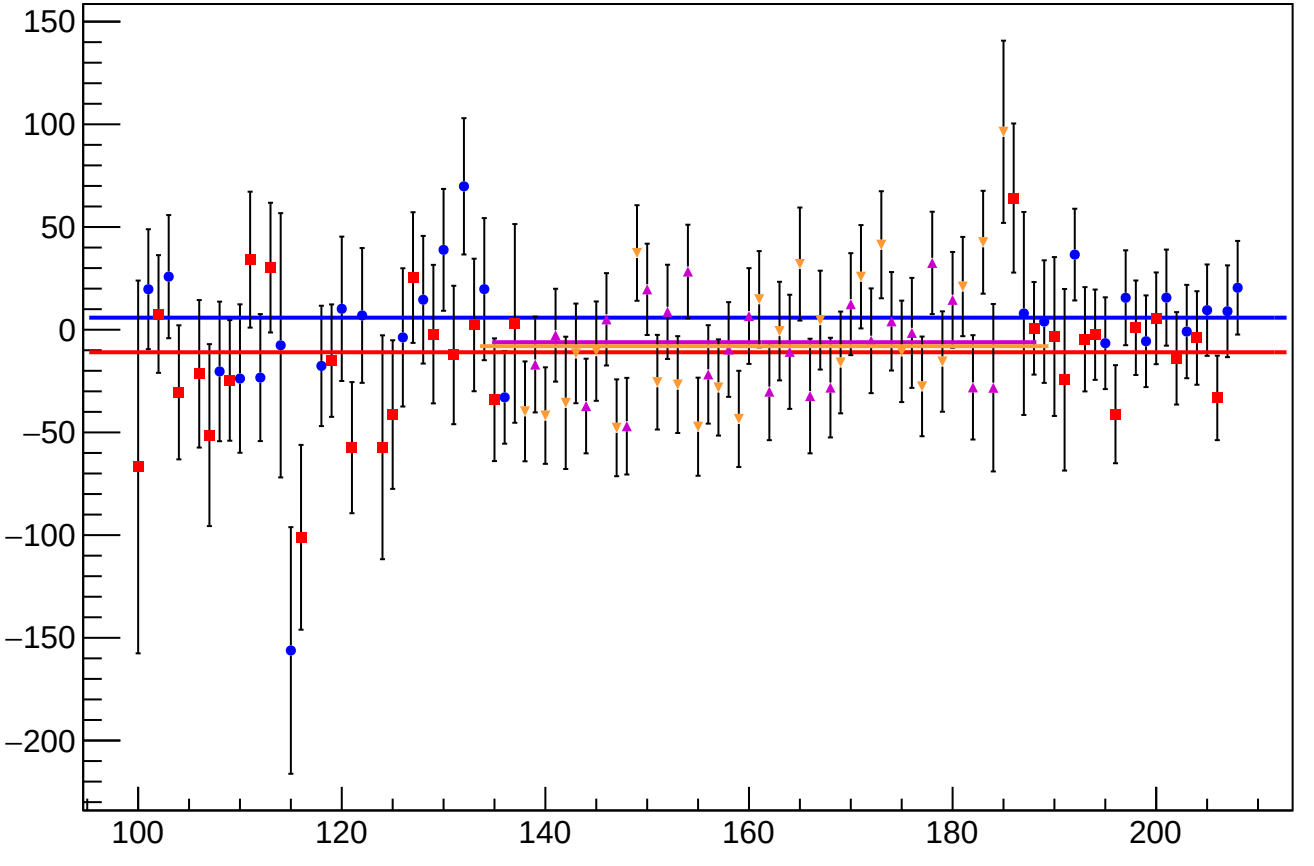
Right: 16.091+/-0.002 χ^2/NDF: 164865.2/57

In: 15.897+/-0.002 χ^2/NDF:234691.1/49

Out: 15.953+/-0.002 χ^2/NDF:266990.0/55

All: 15.926+/-0.001 χ^2/NDF: 502104.6/105

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.867+/-5.401 χ^2/NDF: 22.4/26

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.967+/-5.326 χ^2/NDF: 24.2/30

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

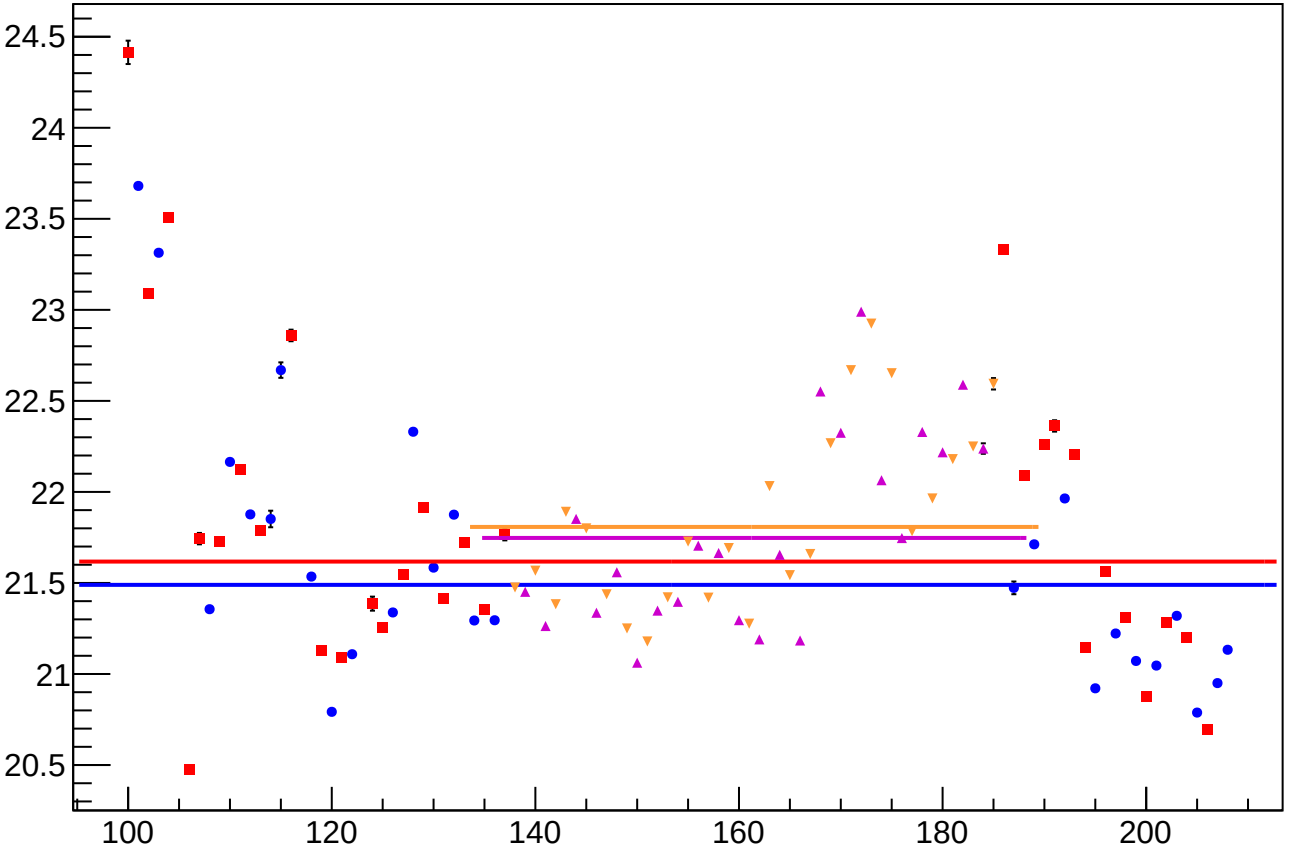
Right: -2.668+/-3.792 χ^2/NDF: 51.6/57

In: -0.475+/-3.700 χ^2/NDF:42.9/49

Out: -9.385+/-3.628 χ^2/NDF:63.2/55

All: -5.018+/-2.591 χ^2/NDF: 109.1/105

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.490+/-0.004 χ^2/NDF: 31366.7/26

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.617+/-0.004 χ^2/NDF: 36036.0/30

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

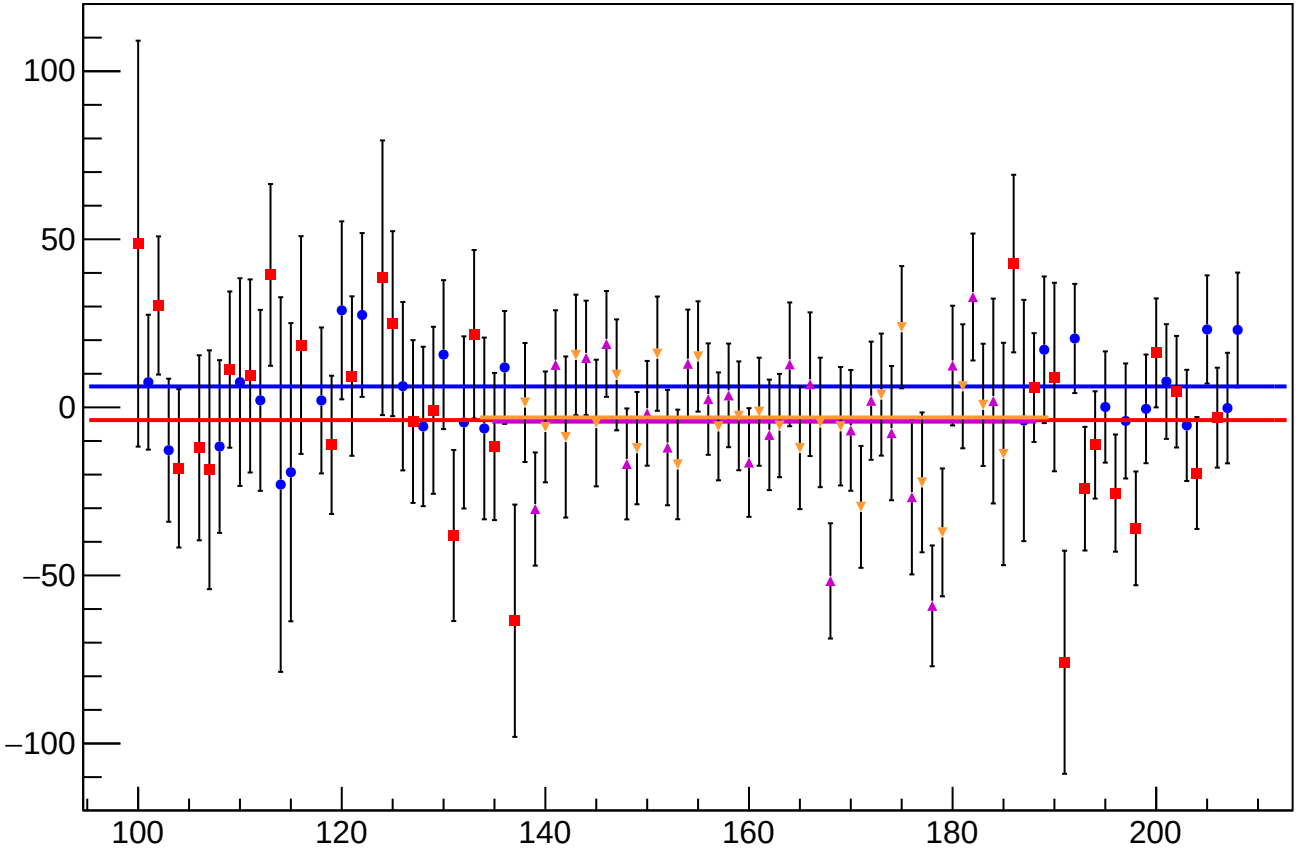
Right: 21.554+/-0.003 χ^2/NDF: 67971.1/57

In: 21.626+/-0.003 χ^2/NDF:54344.4/49

Out: 21.719+/-0.003 χ^2/NDF:54965.4/55

All: 21.674+/-0.002 χ^2/NDF: 109955.5/105

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.226+/-4.010 χ^2/NDF: 8.9/26

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -3.790+/-3.951 χ^2/NDF: 34.1/30

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

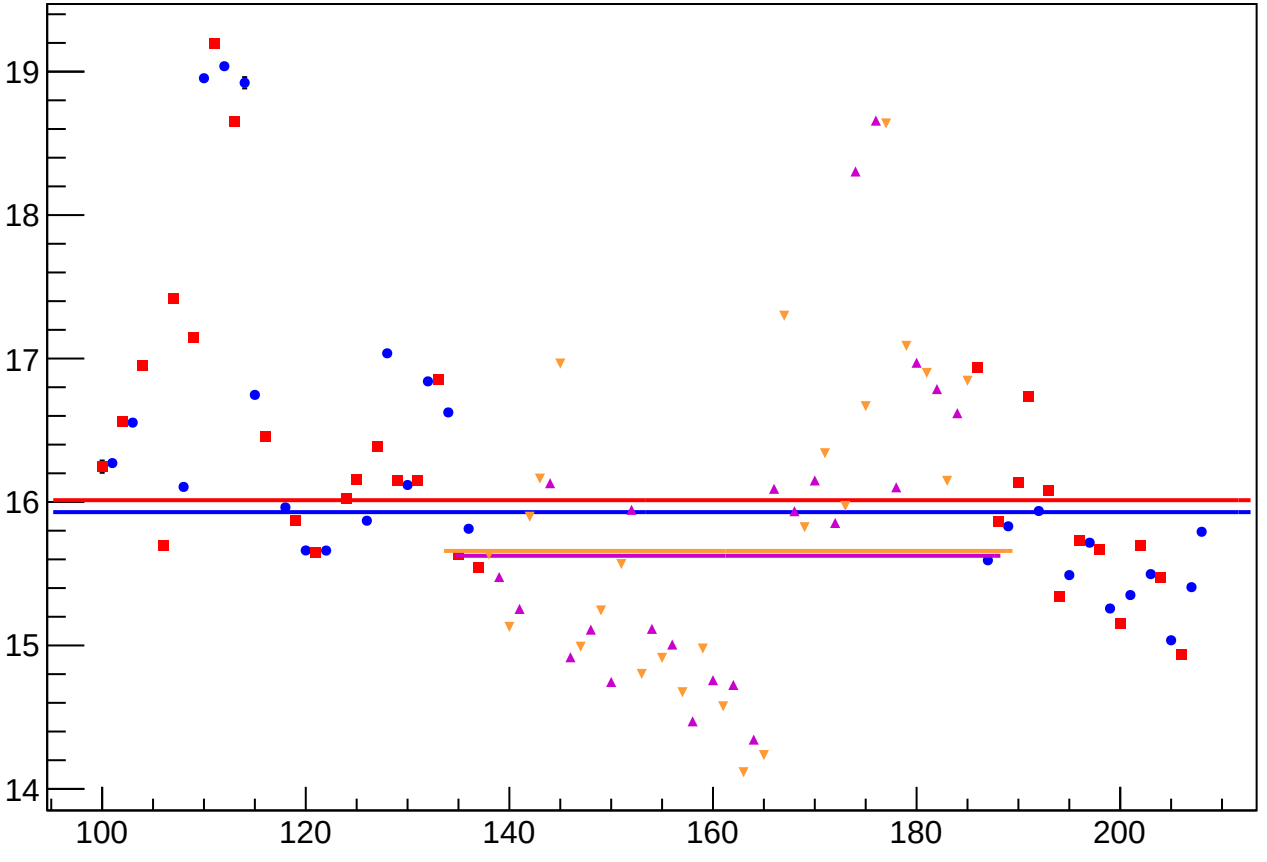
Right: 1.144+/-2.814 χ^2/NDF: 46.1/57

In: 0.512+/-2.704 χ^2/NDF:46.4/49

Out: -3.356+/-2.648 χ^2/NDF:48.7/55

All: -1.462+/-1.892 χ^2/NDF: 96.2/105

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.929+/-0.003 χ^2/NDF: 80946.4/26

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.012+/-0.003 χ^2/NDF: 88631.3/30

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

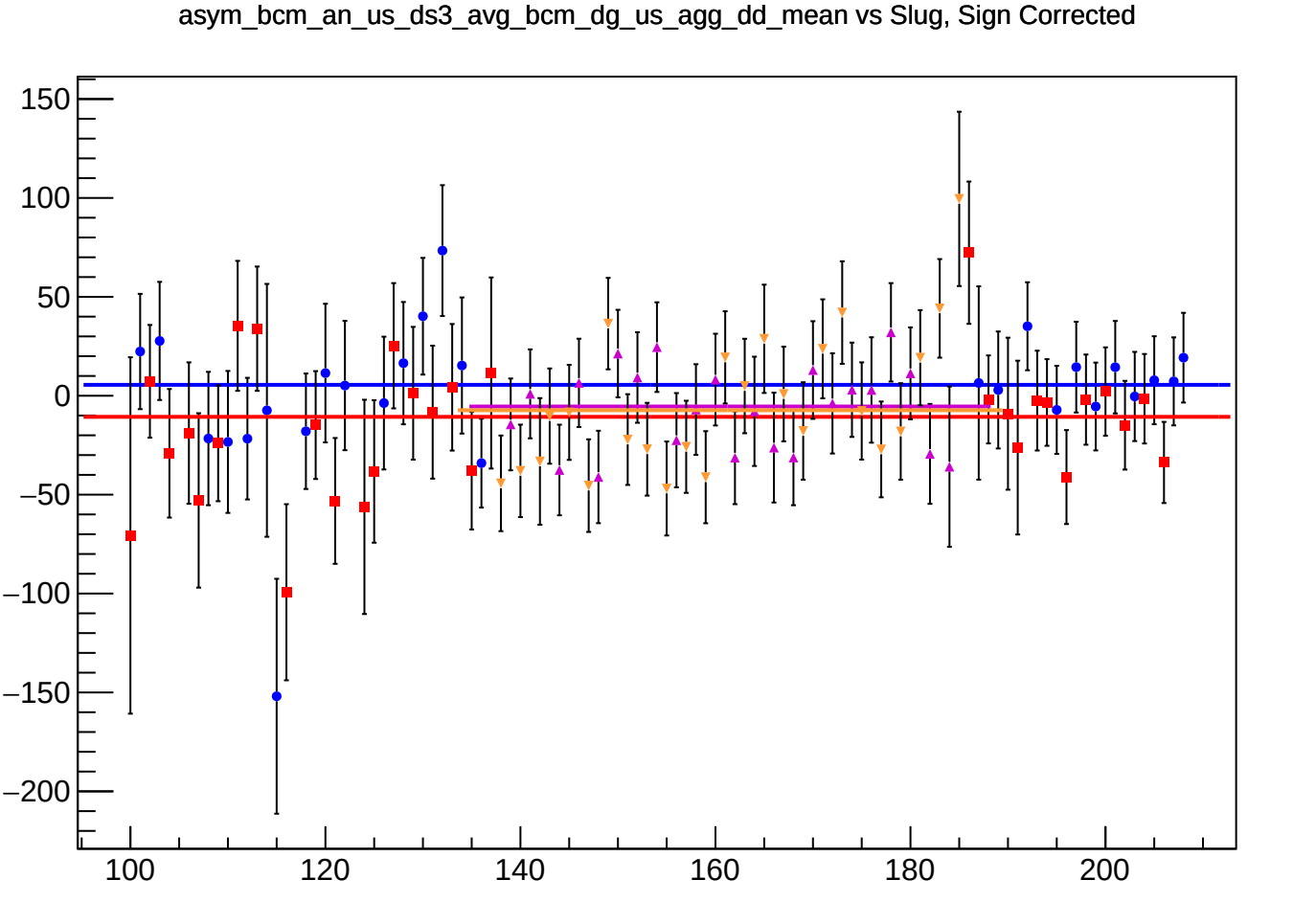
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.972+/-0.002 χ^2/NDF: 170014.2/57

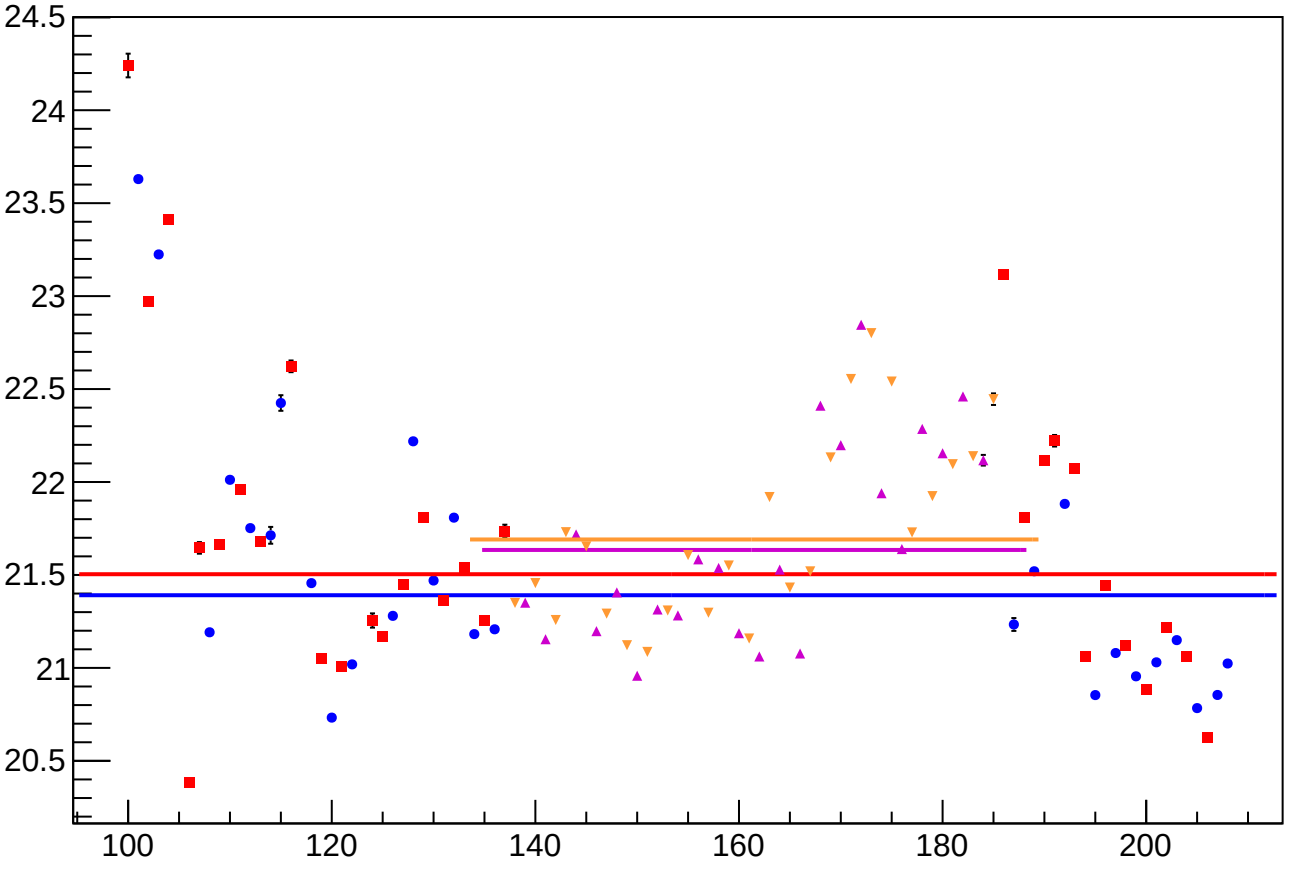
In: 15.763+/-0.002 χ^2/NDF:237661.0/49

Out: 15.818+/-0.002 χ^2/NDF:267289.9/55

All: 15.791+/-0.001 χ^2/NDF: 505364.3/105


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 5.514+/-5.376 χ²/NDF: 22.8/26
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: -10.665+/-5.298 χ²/NDF: 25.5/30
Left In: -5.435+/-5.054 χ²/NDF:17.3/22
Left: -6.400+/-3.529 χ²/NDF: 56.0/47
Right: -2.694+/-3.774 χ²/NDF: 52.8/57
In: -0.299+/-3.682 χ²/NDF:42.3/49
Out: -8.871+/-3.609 χ²/NDF:64.3/55
All: -4.671+/-2.577 χ²/NDF: 109.3/105

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.391+/-0.004 χ^2/NDF: 31137.8/26

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.504+/-0.004 χ^2/NDF: 33574.4/30

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

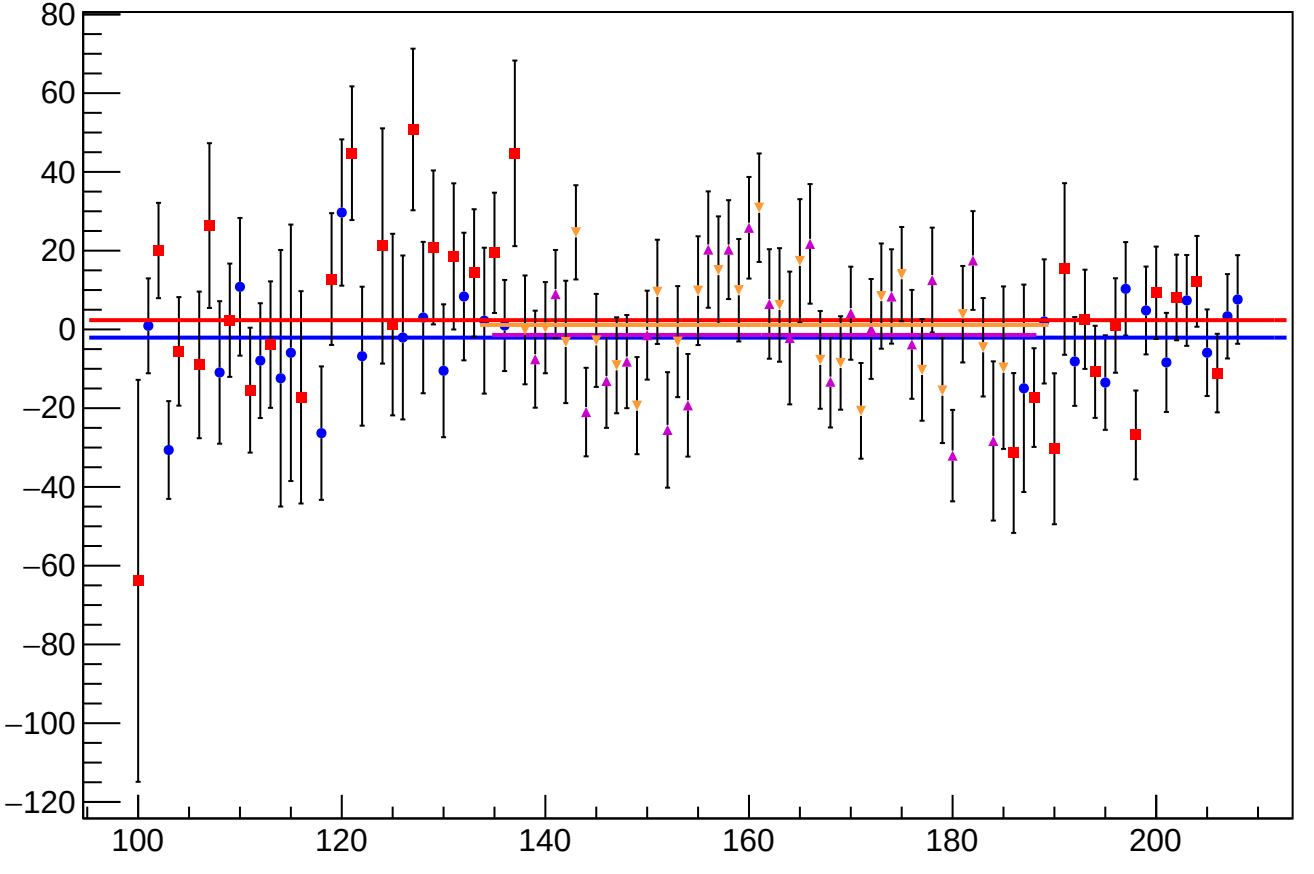
Right: 21.448+/-0.003 χ^2/NDF: 65160.8/57

In: 21.520+/-0.003 χ^2/NDF:53878.5/49

Out: 21.604+/-0.003 χ^2/NDF:52843.2/55

All: 21.563+/-0.002 χ^2/NDF: 107251.4/105

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.354+/-2.723 χ^2/NDF: 46.7/30

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

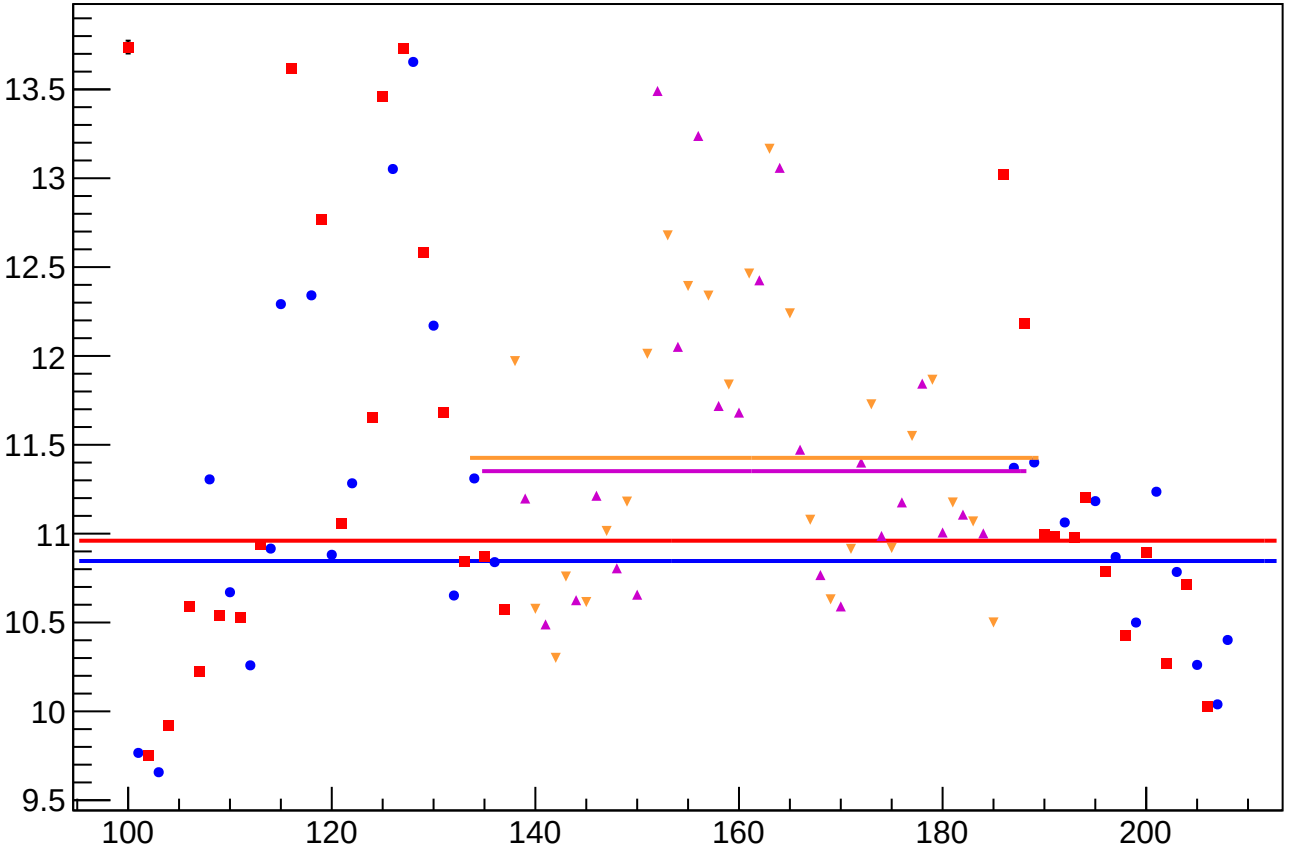
Right: 0.153+/-1.933 χ^2/NDF: 65.3/57

In: -1.736+/-1.915 χ^2/NDF:53.7/49

Out: 1.722+/-1.888 χ^2/NDF:71.3/55

All: 0.018+/-1.345 χ^2/NDF: 126.6/105

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.960+/-0.002 χ^2/NDF: 237096.7/30

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

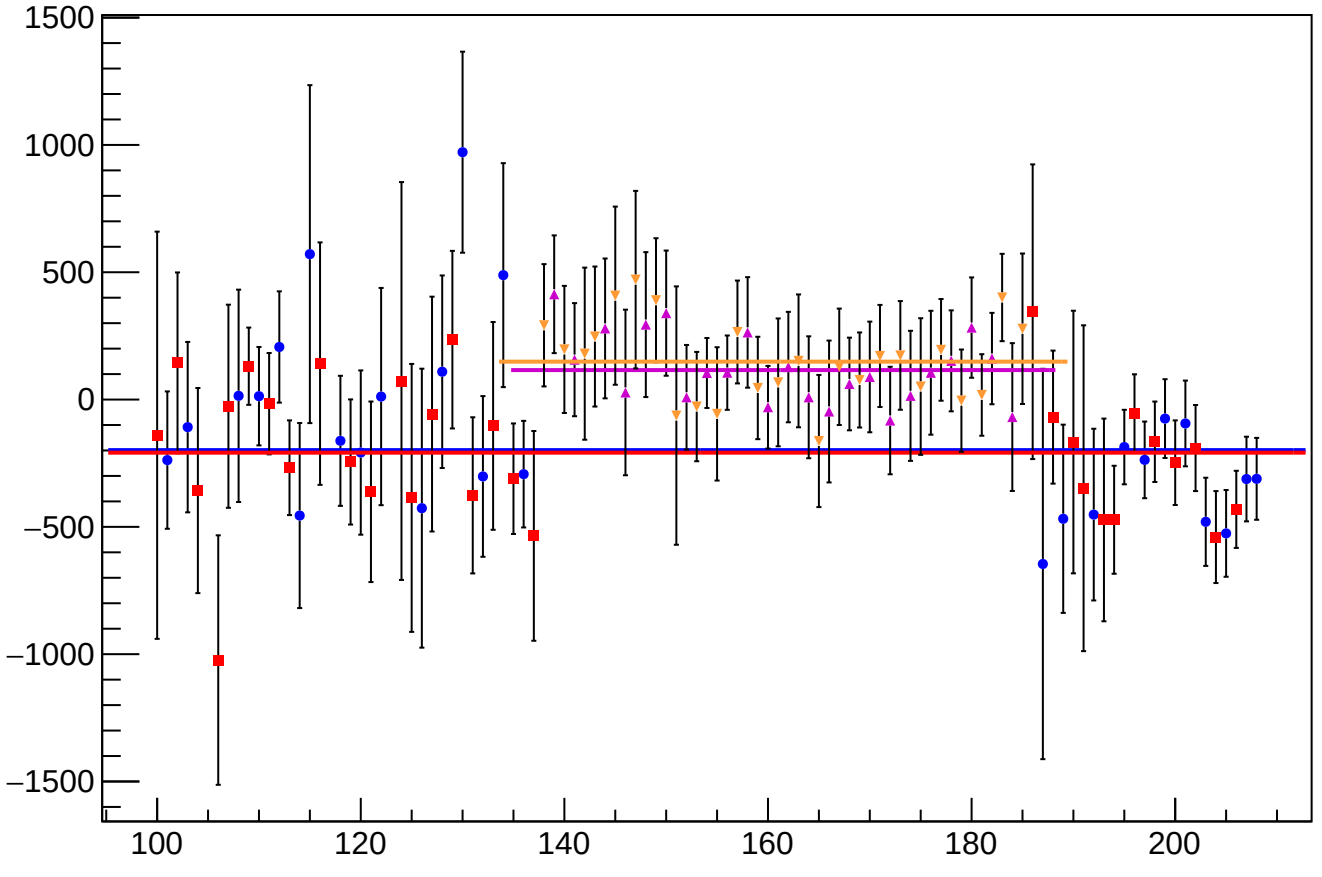
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.904+/-0.001 χ^2/NDF: 407353.9/57

In: 11.106+/-0.001 χ^2/NDF:373901.4/49

Out: 11.202+/-0.001 χ^2/NDF:424516.0/55

All: 11.155+/-0.001 χ^2/NDF: 801010.8/105



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -208.581+/-44.918 χ^2/NDF: 24.0/30

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

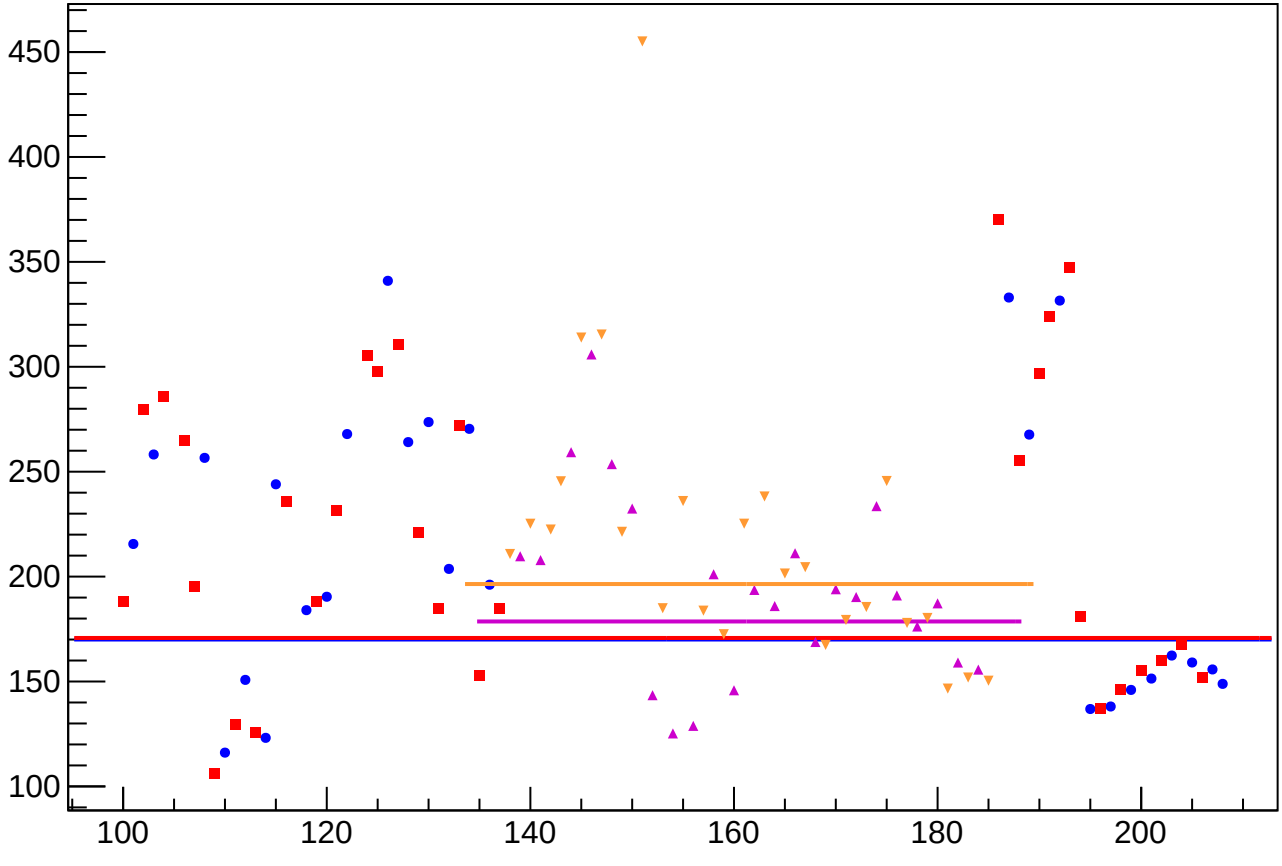
Right: -203.589+/-31.698 χ^2/NDF: 53.4/57

In: -37.564+/-31.239 χ^2/NDF:62.4/49

Out: -35.276+/-32.242 χ^2/NDF:65.2/55

All: -36.456+/-22.436 χ^2/NDF: 127.6/105

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

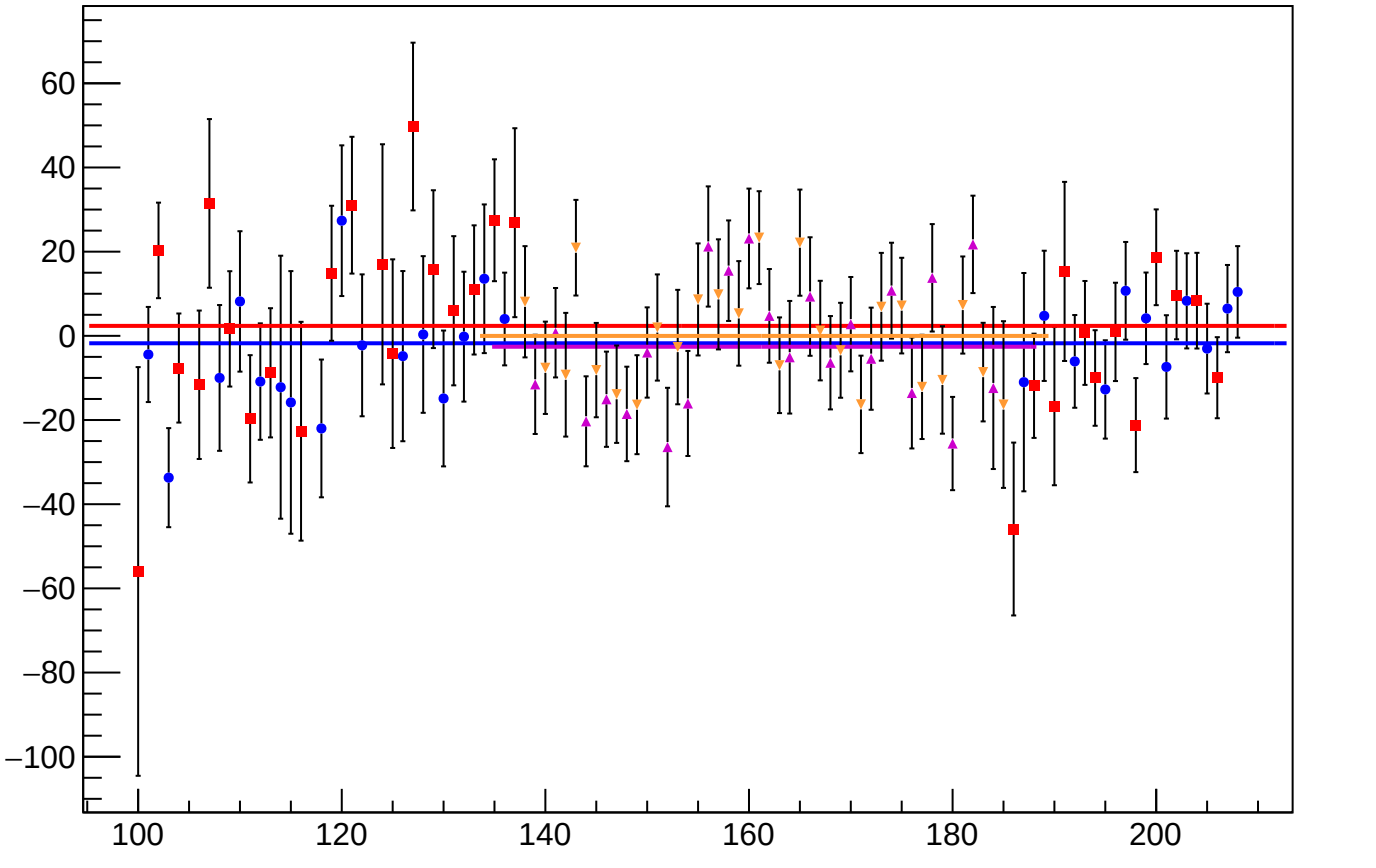
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 170.383+/-0.022 χ^2/NDF: 5193917.7/57

In: 174.423+/-0.022 χ^2/NDF:3977793.0/49

Out: 183.212+/-0.023 χ^2/NDF:5068760.4/55

All: 178.679+/-0.016 χ^2/NDF: 9123212.1/105



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.365+/-2.630 χ^2/NDF: 44.0/30

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

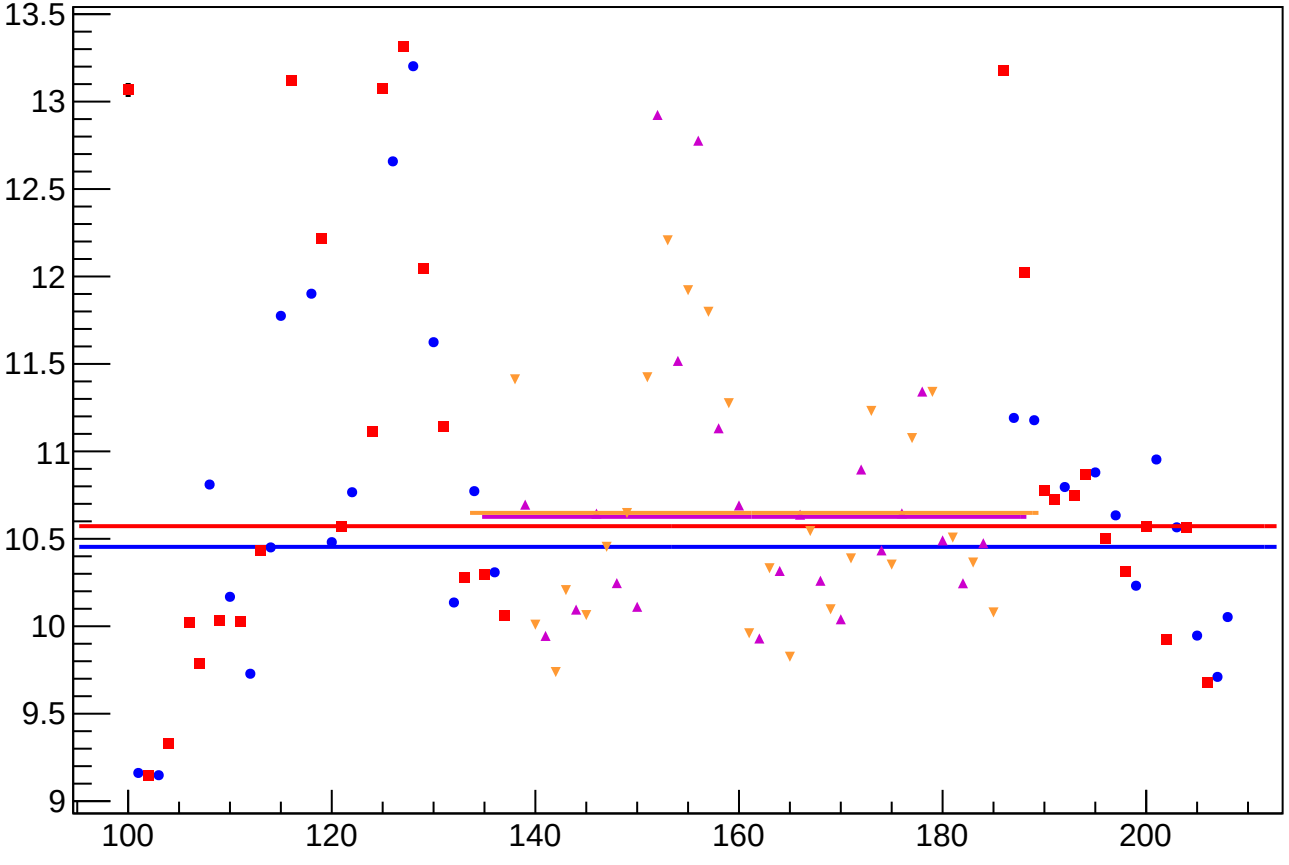
Right: 0.314+/-1.866 χ^2/NDF: 65.6/57

In: -2.202+/-1.820 χ^2/NDF:55.2/49

Out: 1.087+/-1.790 χ^2/NDF:68.2/55

All: -0.530+/-1.276 χ^2/NDF: 125.0/105

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

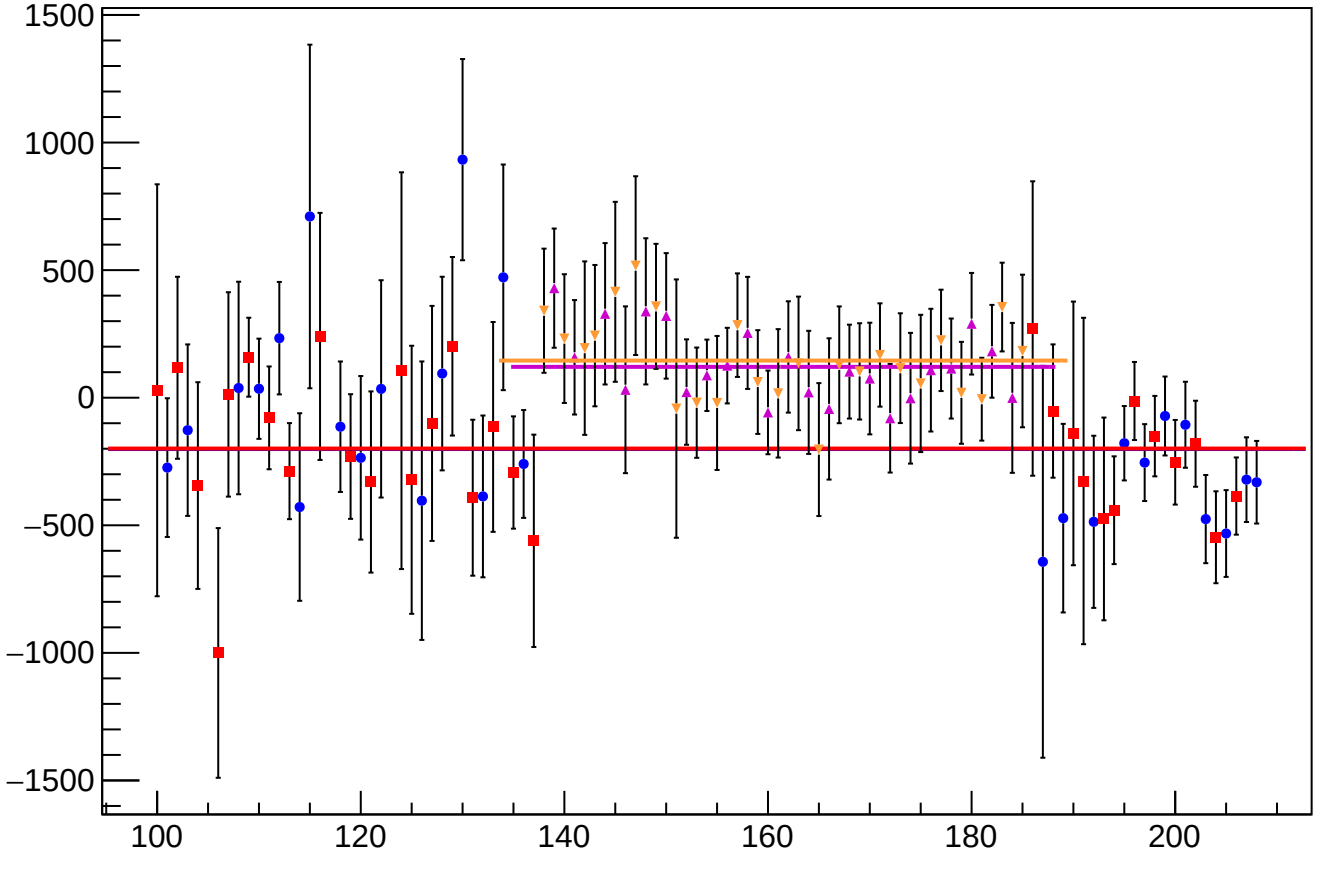
Right: 10.514+/-0.001 χ^2/NDF: 467100.5/57

In: 10.545+/-0.001 χ^2/NDF:354329.2/49

Out: 10.613+/-0.001 χ^2/NDF:419169.7/55

All: 10.579+/-0.001 χ^2/NDF: 774937.9/105

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -199.312+/-45.069 χ^2/NDF: 23.6/30

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

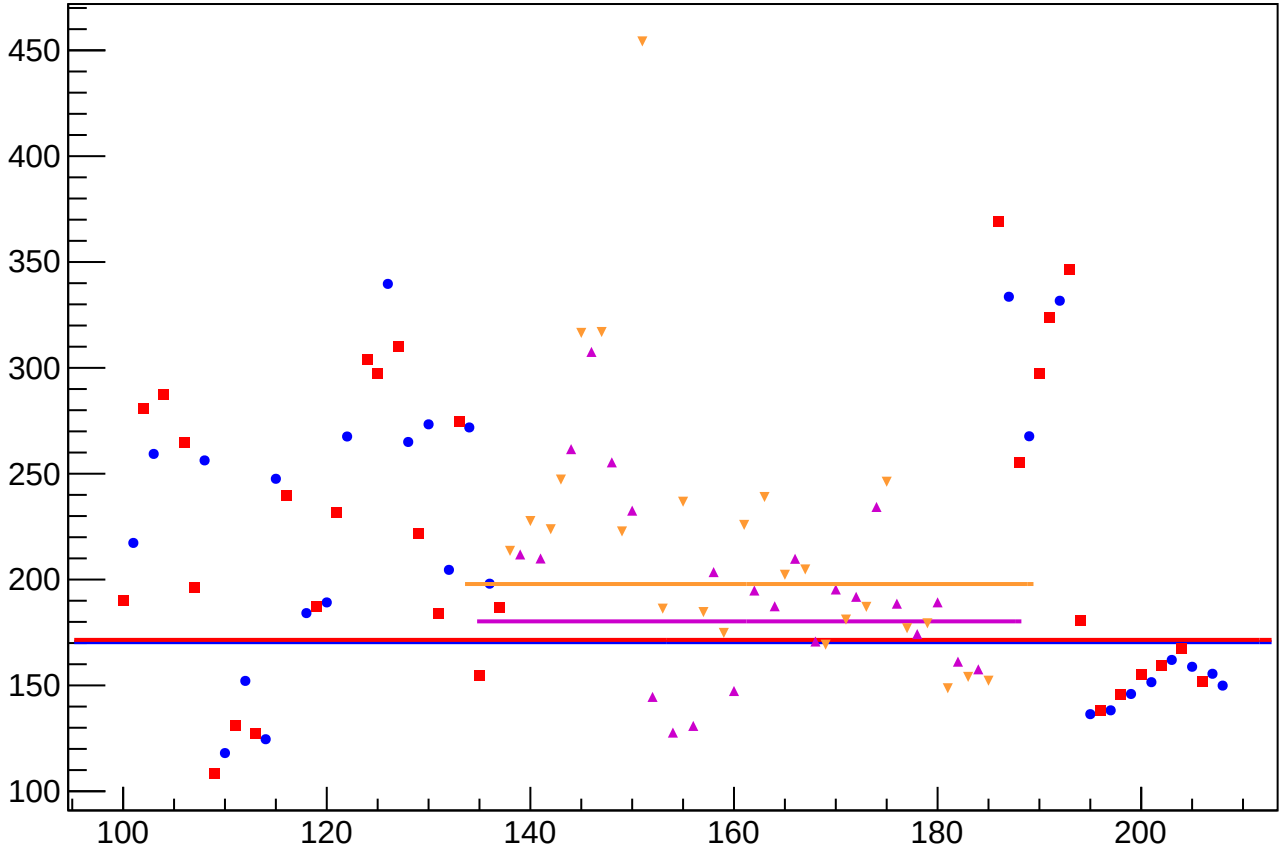
Right: -200.239+/-31.785 χ^2/NDF: 54.0/57

In: -37.090+/-31.401 χ^2/NDF:64.9/49

Out: -32.691+/-32.401 χ^2/NDF:62.1/55

All: -34.959+/-22.549 χ^2/NDF: 127.1/105

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 171.504+/-0.032 χ^2/NDF: 2879899.3/30

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

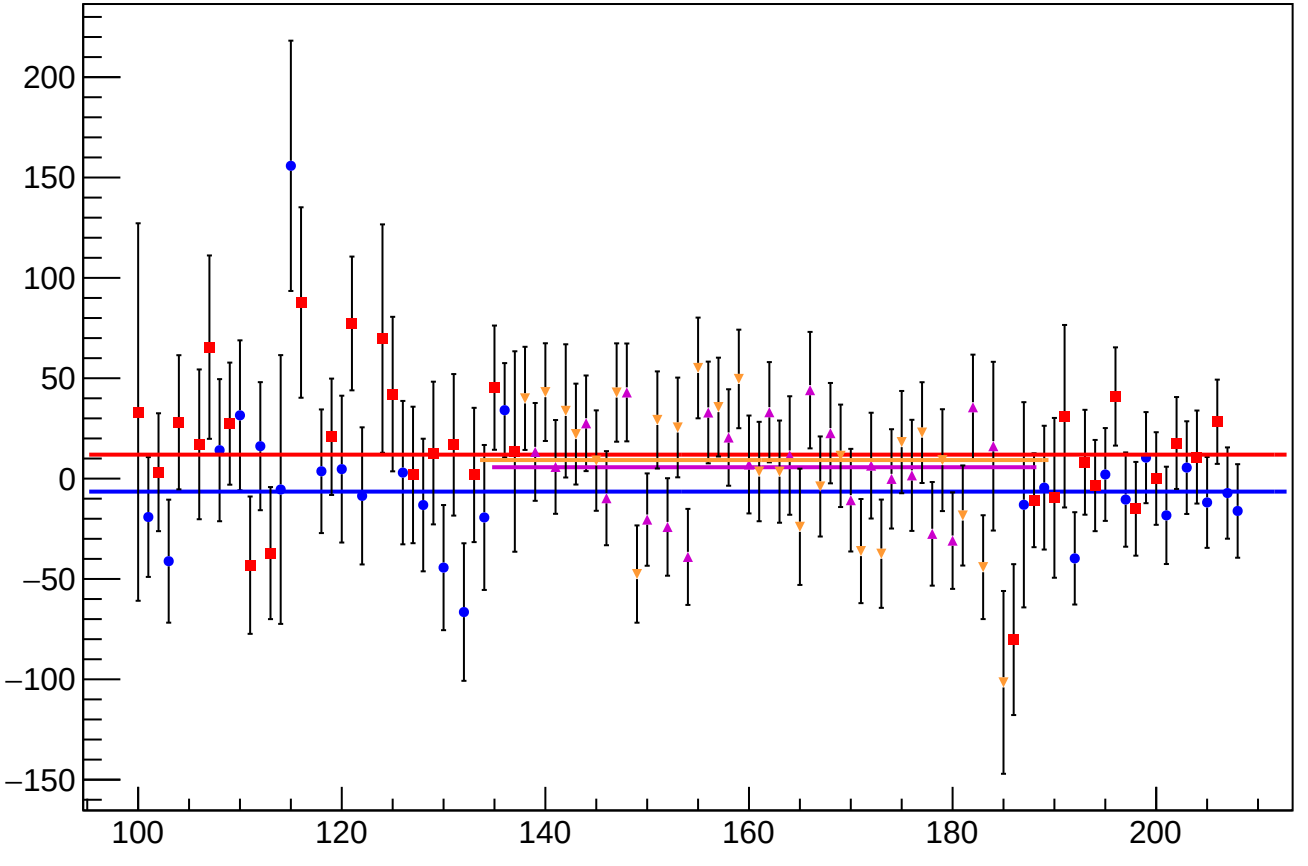
Right: 170.959+/-0.022 χ^2/NDF: 5134545.6/57

In: 175.427+/-0.022 χ^2/NDF:3930800.7/49

Out: 184.253+/-0.023 χ^2/NDF:4999984.6/55

All: 179.702+/-0.016 χ^2/NDF: 9007306.9/105

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 11.937+/-5.503 χ^2/NDF: 27.9/30

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

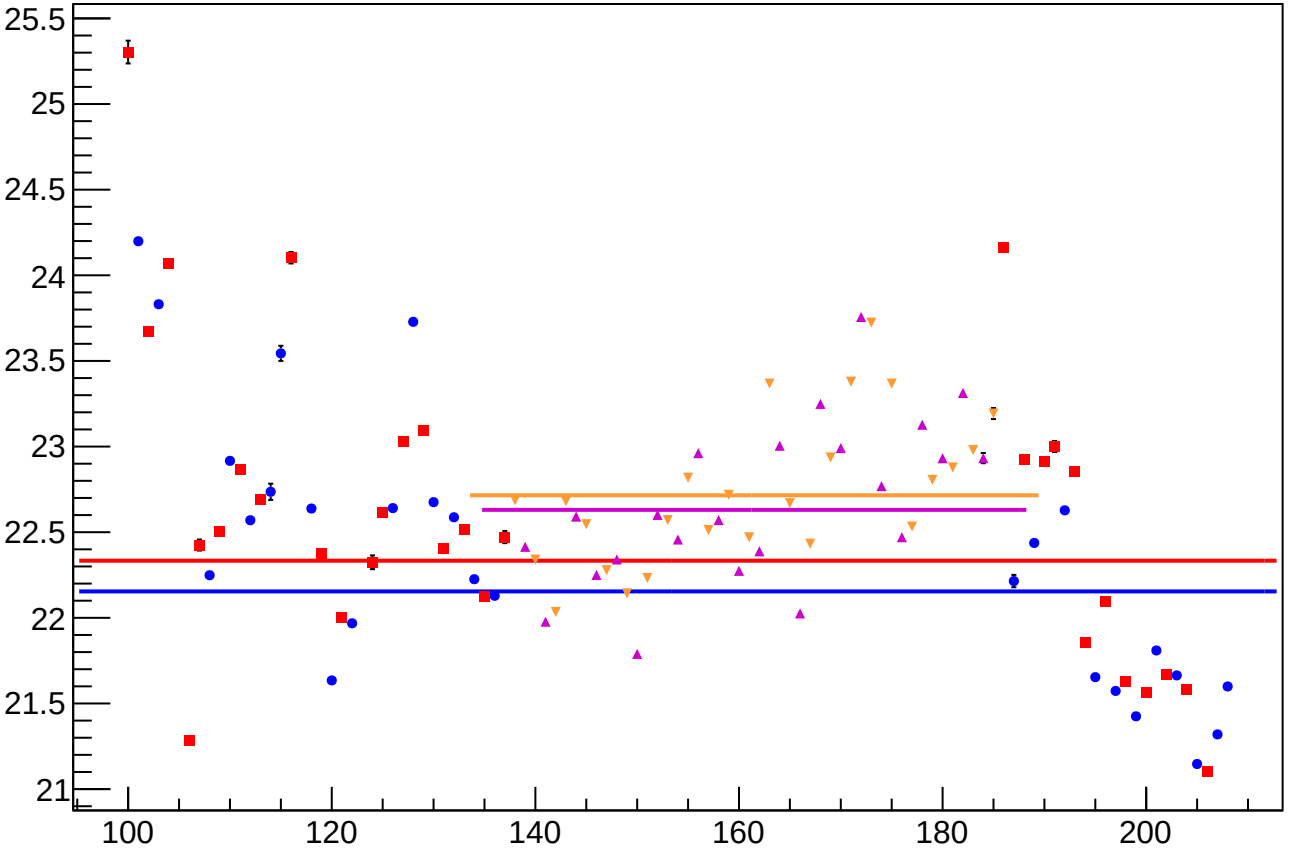
Right: 2.838+/-3.914 χ^2/NDF: 55.1/57

In: -0.089+/-3.834 χ^2/NDF:45.0/49

Out: 10.500+/-3.765 χ^2/NDF:67.5/55

All: 5.301+/-2.686 χ^2/NDF: 116.3/105

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.334+/-0.004 χ^2/NDF: 42334.6/30

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

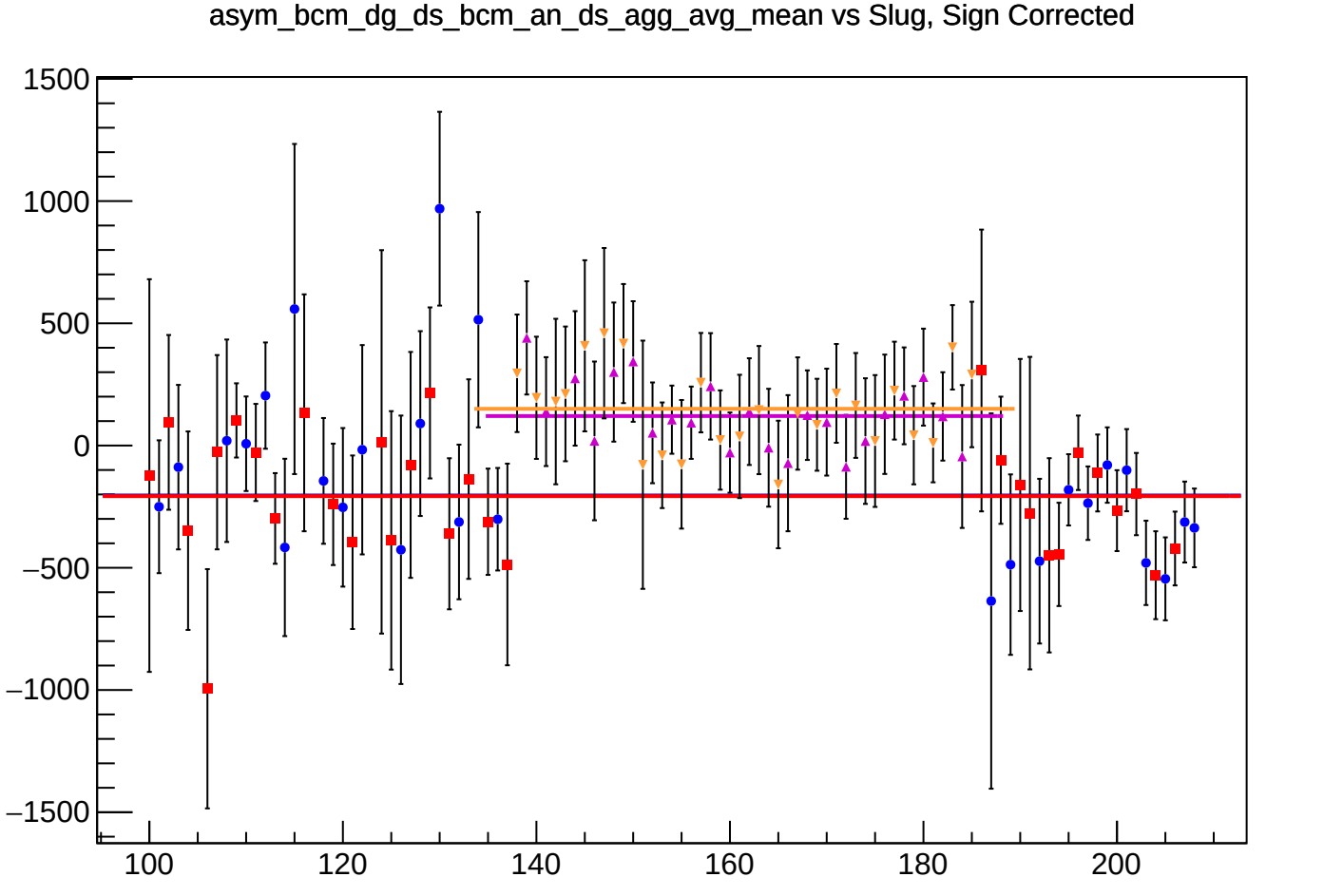
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

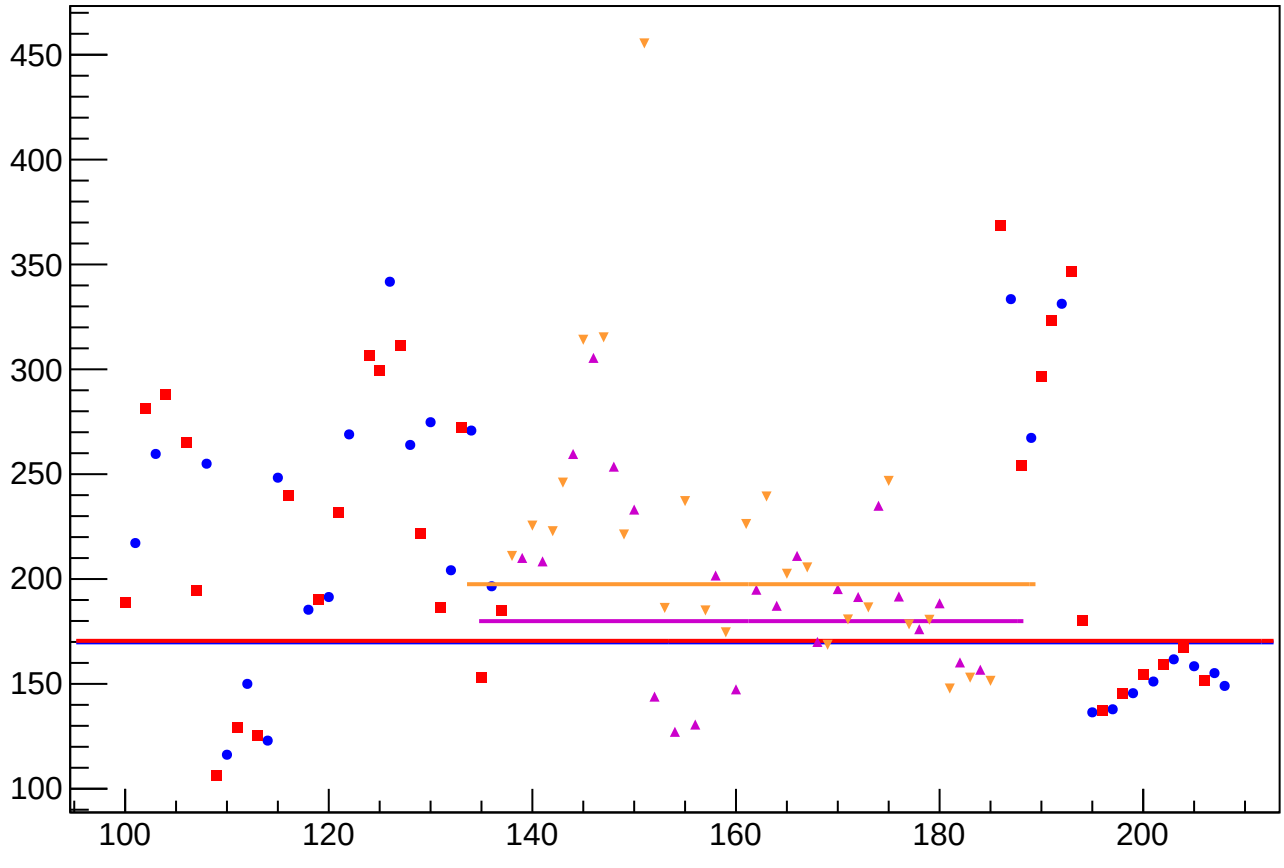
Right: 22.245+/-0.003 χ^2/NDF: 82201.6/57

In: 22.405+/-0.003 χ^2/NDF:61903.0/49

Out: 22.537+/-0.003 χ^2/NDF:59636.3/55

All: 22.472+/-0.002 χ^2/NDF: 122745.3/105


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -204.389+/-44.696 χ²/NDF: 29.9/26
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -207.052+/-44.871 χ²/NDF: 22.2/30
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -205.715+/-31.666 χ²/NDF: 52.2/57
In: -38.968+/-31.327 χ²/NDF:64.7/49
Out: -34.921+/-32.301 χ²/NDF:63.7/55
All: -37.006+/-22.488 χ²/NDF: 128.5/105



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 170.529+/-0.032 χ^2/NDF: 2953076.3/30

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

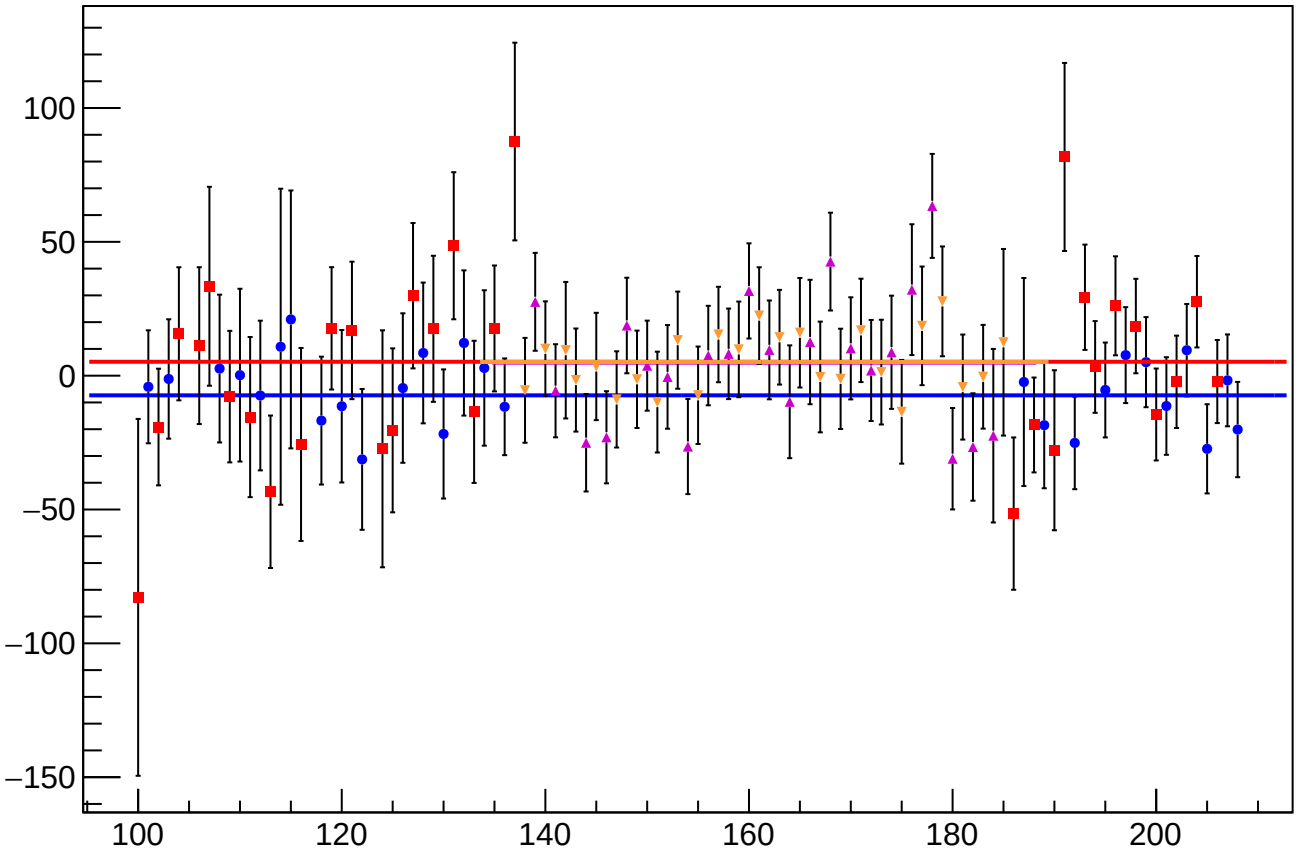
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 170.163+/-0.022 χ^2/NDF: 5238352.2/57

In: 174.950+/-0.022 χ^2/NDF:3961361.7/49

Out: 183.540+/-0.023 χ^2/NDF:5091998.8/55

All: 179.114+/-0.016 χ^2/NDF: 9126248.3/105



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 5.201+/-4.211 χ^2/NDF: 37.7/30

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

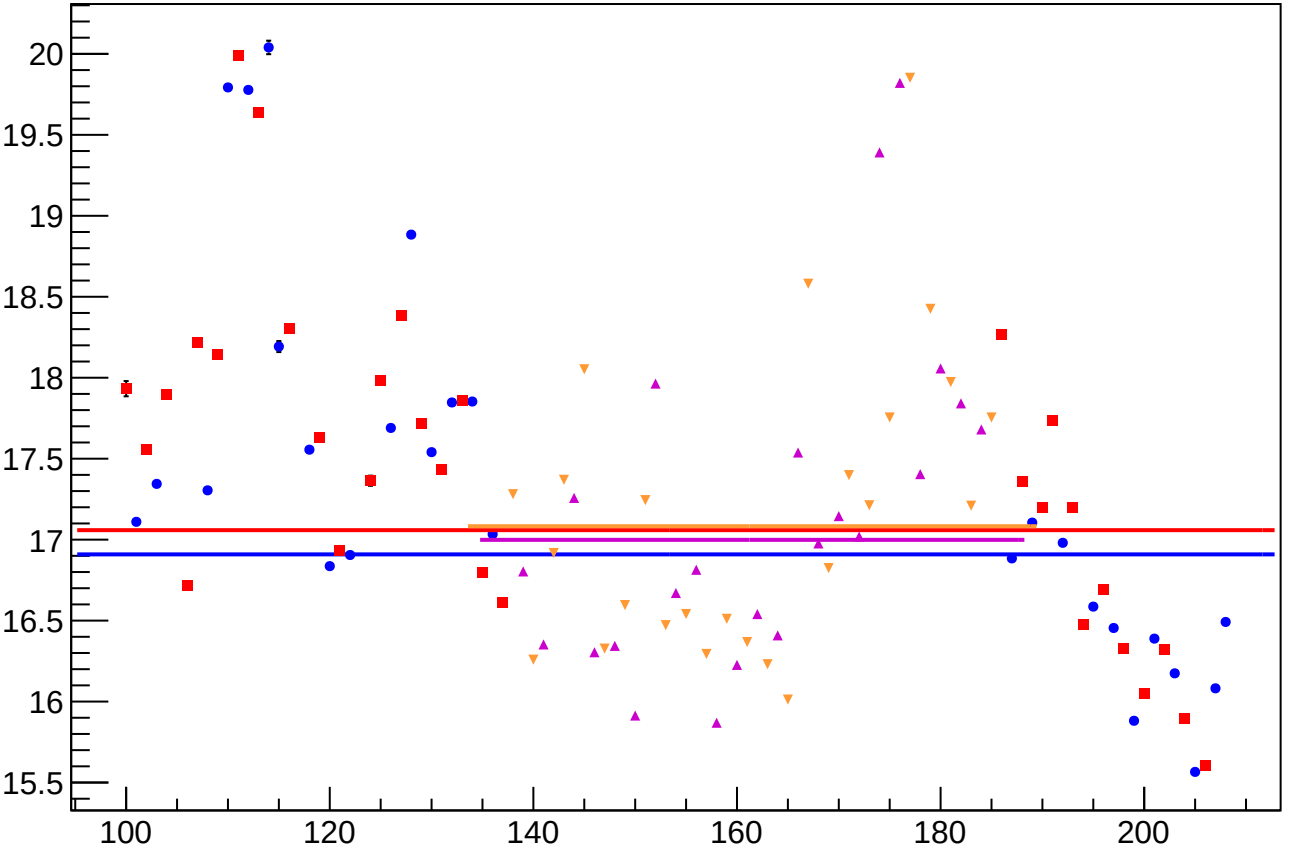
Right: -1.002+/-2.994 χ^2/NDF: 50.9/57

In: -0.832+/-2.908 χ^2/NDF:48.7/49

Out: 5.157+/-2.857 χ^2/NDF:45.6/55

All: 2.214+/-2.038 χ^2/NDF: 96.5/105

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.059+/-0.003 χ^2/NDF: 108625.6/30

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

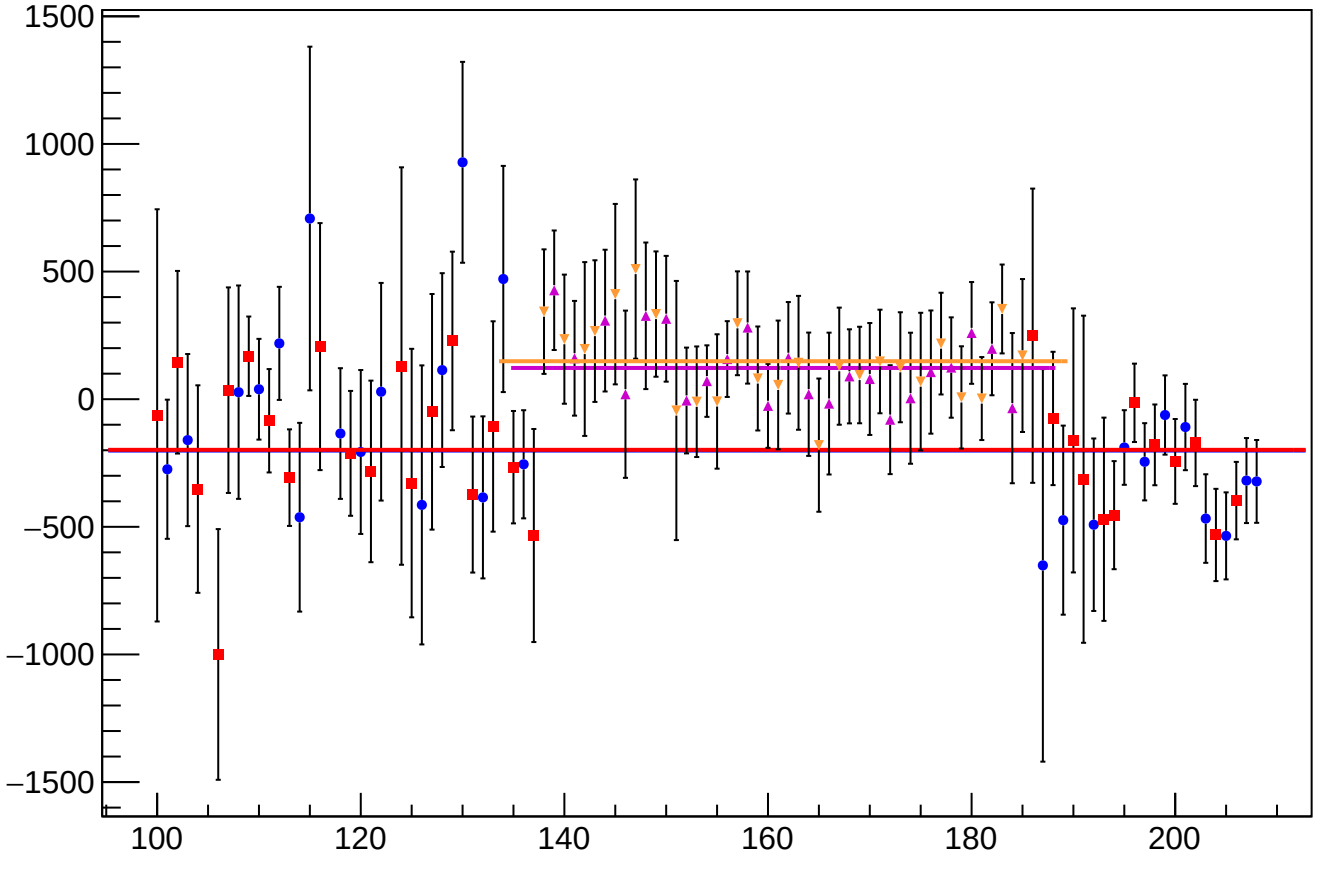
Right: 16.985+/-0.002 χ^2/NDF: 209164.0/57

In: 16.957+/-0.002 χ^2/NDF:203784.8/49

Out: 17.072+/-0.002 χ^2/NDF:205436.4/55

All: 17.015+/-0.001 χ^2/NDF: 410808.6/105

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -198.369+/-45.201 χ^2/NDF: 23.5/30

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

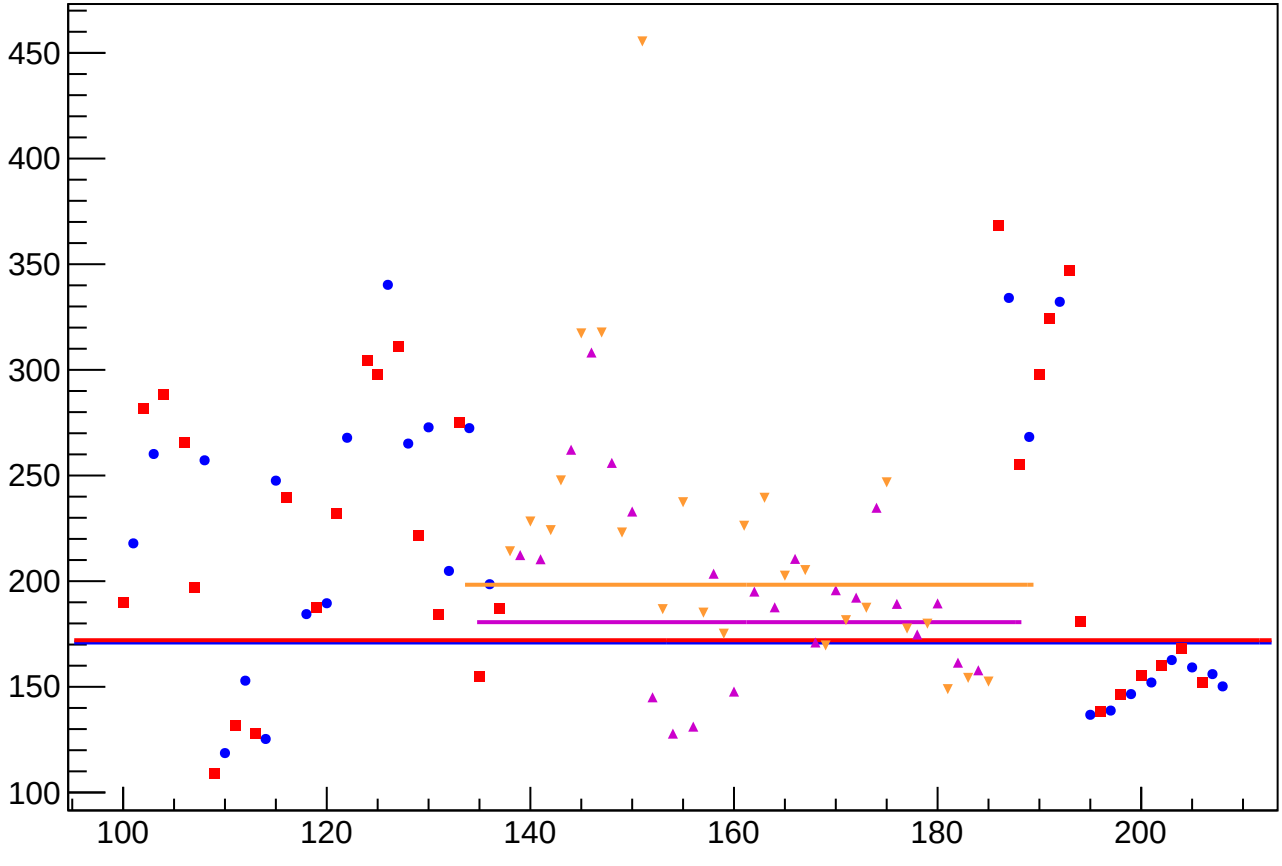
Right: -199.738+/-31.880 χ^2/NDF: 53.5/57

In: -36.129+/-31.480 χ^2/NDF:64.3/49

Out: -30.518+/-32.484 χ^2/NDF:61.5/55

All: -33.412+/-22.606 χ^2/NDF: 125.8/105

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 172.055+/-0.032 χ^2/NDF: 2862622.9/30

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

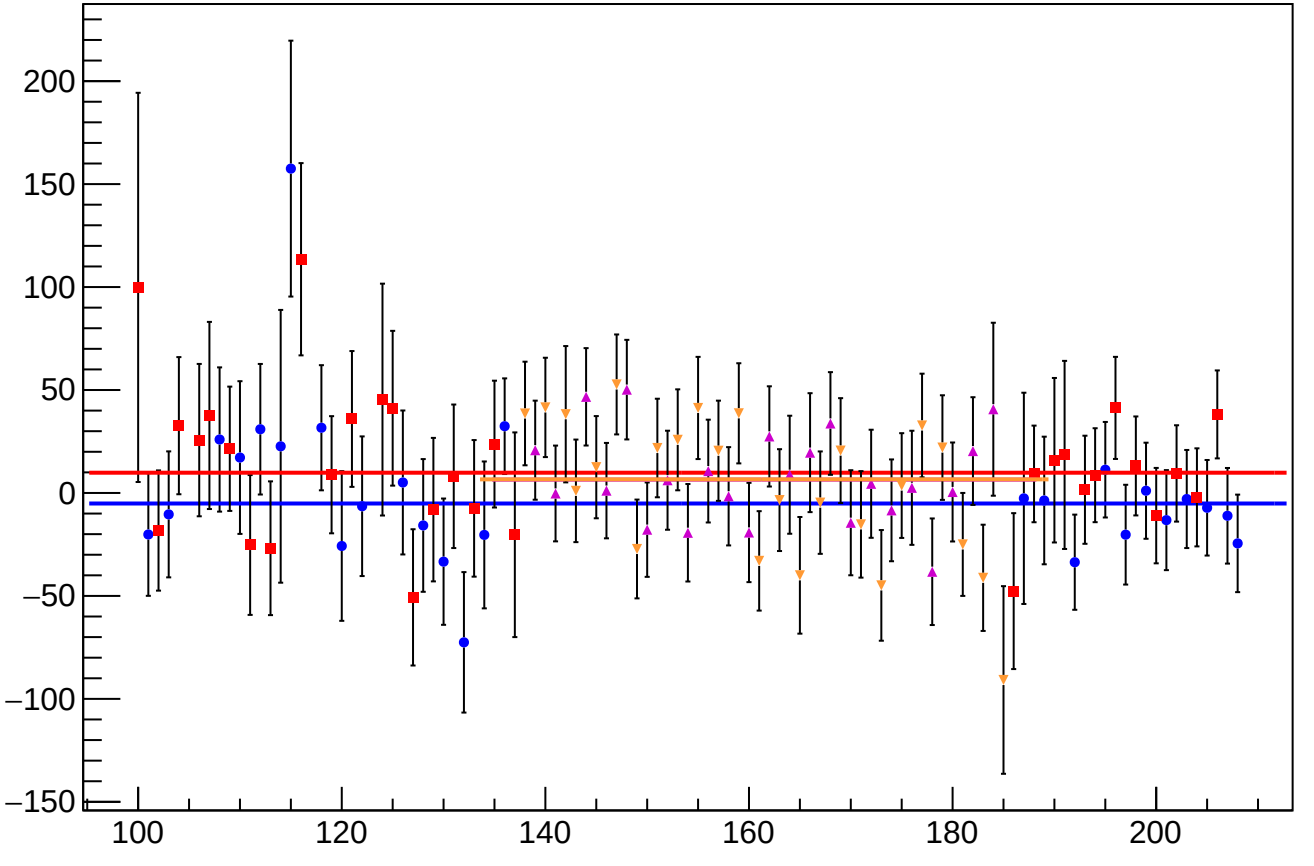
Right: 171.511+/-0.023 χ^2/NDF: 5104956.5/57

In: 175.884+/-0.022 χ^2/NDF:3916580.9/49

Out: 184.752+/-0.023 χ^2/NDF:4979272.5/55

All: 180.179+/-0.016 χ^2/NDF: 8972723.9/105

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 9.837+/-5.515 χ^2/NDF: 23.4/30

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

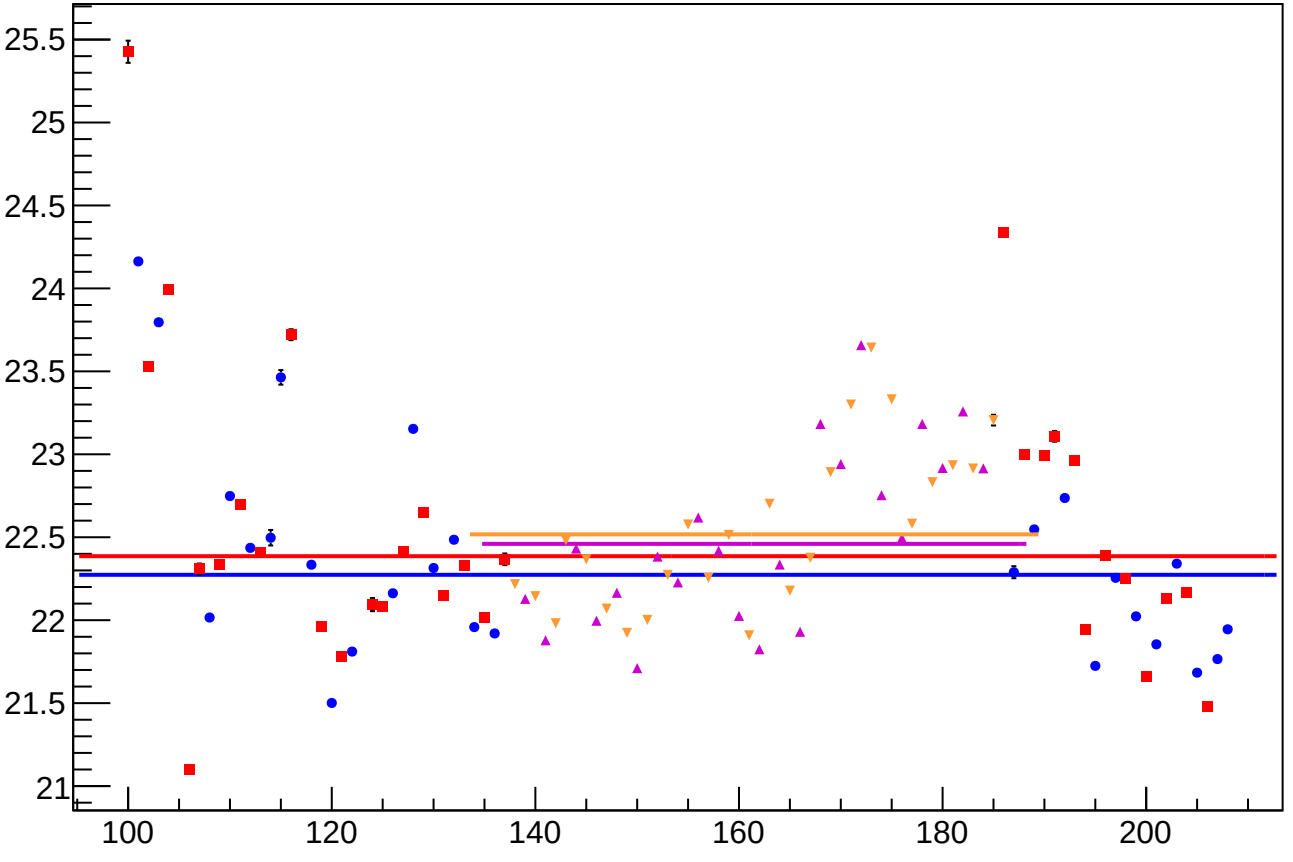
Right: 2.471+/-3.929 χ^2/NDF: 49.6/57

In: 1.057+/-3.828 χ^2/NDF:42.4/49

Out: 8.103+/-3.751 χ^2/NDF:60.5/55

All: 4.652+/-2.679 χ^2/NDF: 104.6/105

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.386+/-0.004 χ^2/NDF: 31219.8/30

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

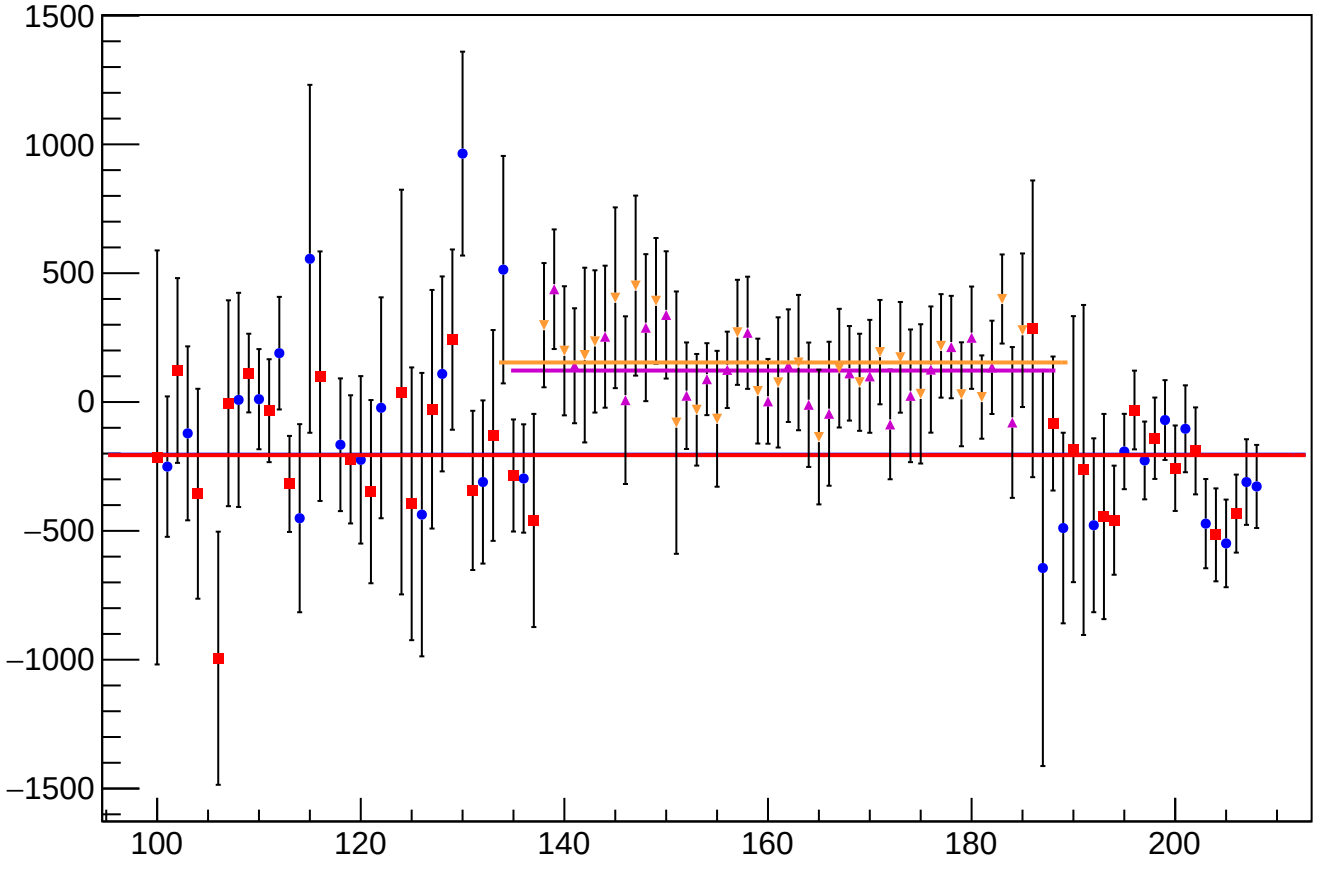
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.331+/-0.003 χ^2/NDF: 54915.2/57

In: 22.373+/-0.003 χ^2/NDF:43588.1/49

Out: 22.457+/-0.003 χ^2/NDF:47834.0/55

All: 22.416+/-0.002 χ^2/NDF: 91908.6/105



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -206.132+/-45.004 χ^2/NDF: 22.1/30

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

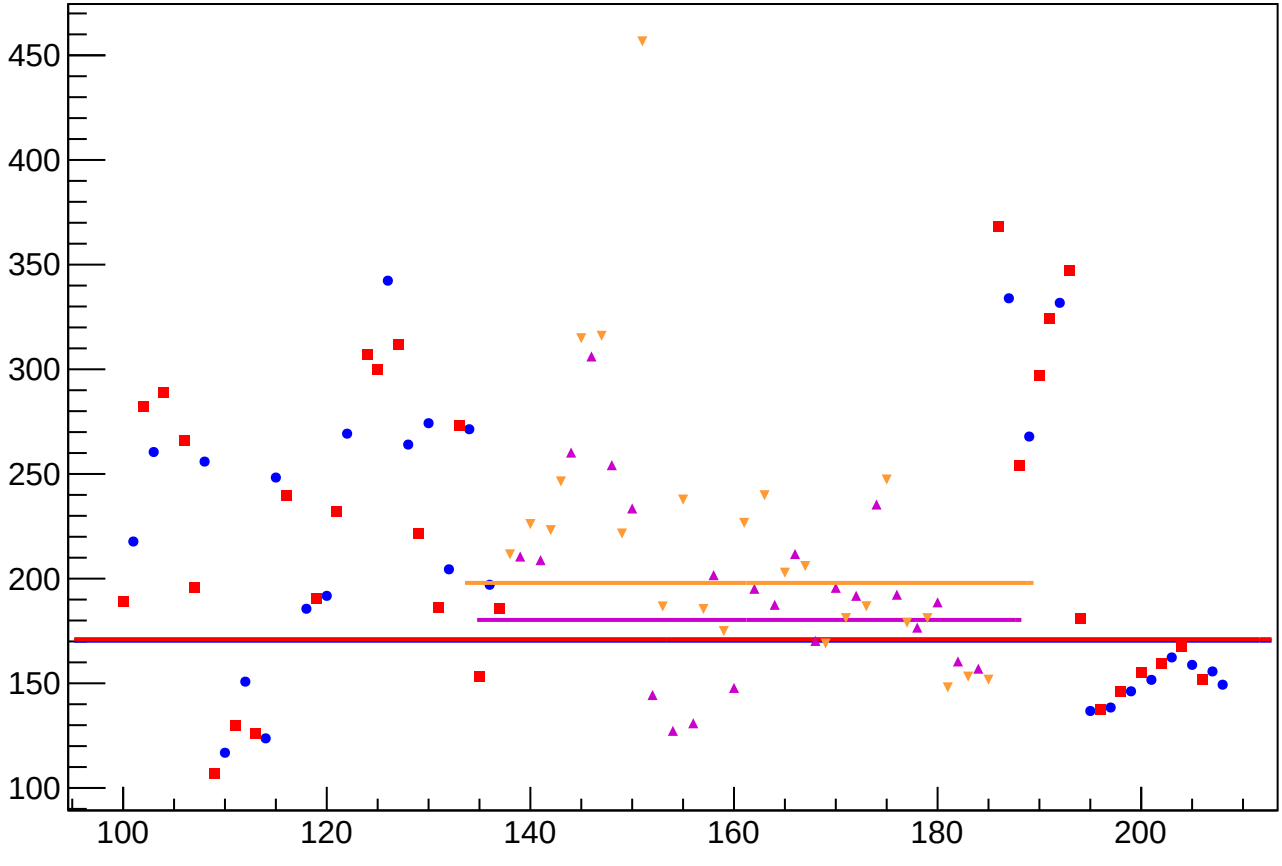
Right: -205.237+/-31.762 χ^2/NDF: 51.6/57

In: -38.052+/-31.405 χ^2/NDF:64.0/49

Out: -32.715+/-32.384 χ^2/NDF:62.9/55

All: -35.465+/-22.545 χ^2/NDF: 126.9/105

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 171.087+/-0.032 χ^2/NDF: 2934914.3/30

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

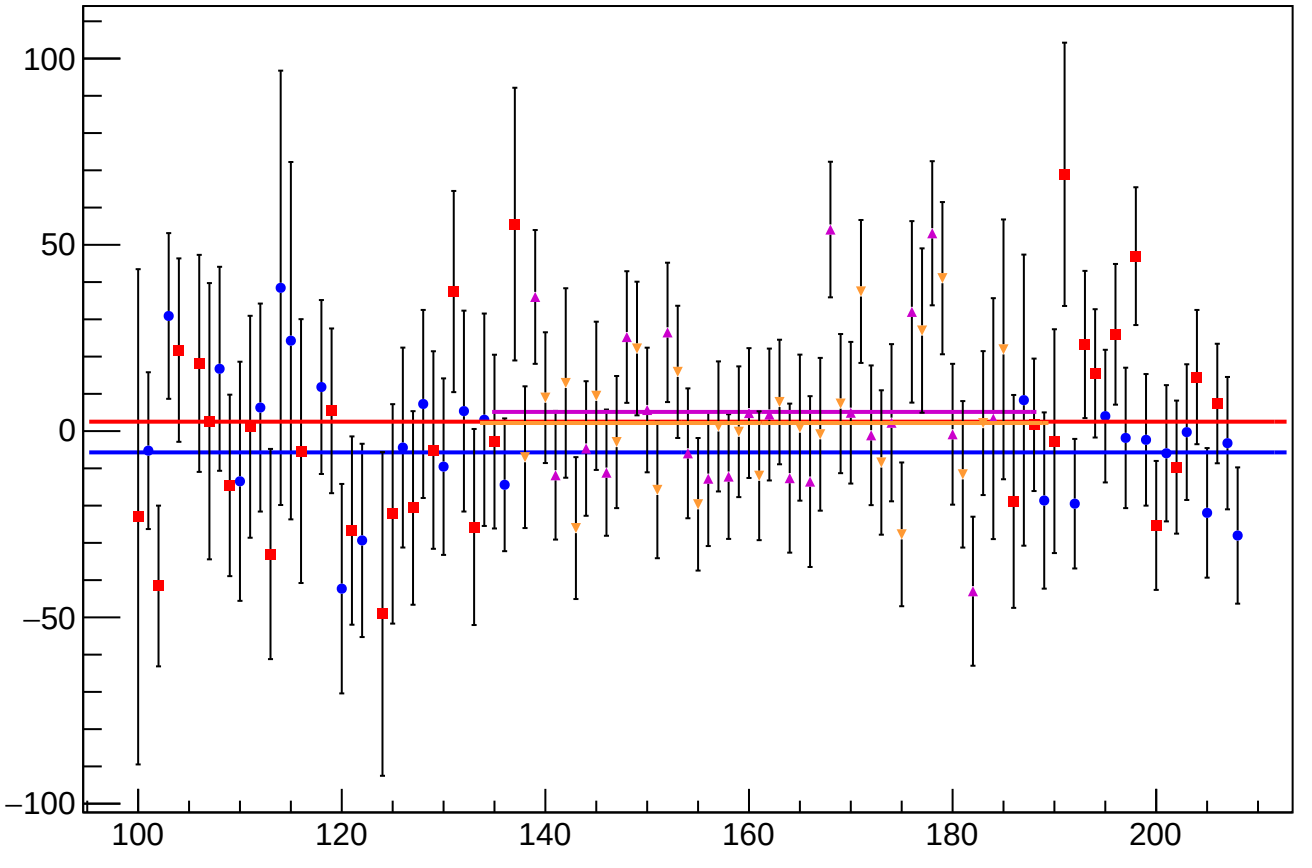
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 170.721+/-0.022 χ^2/NDF: 5207398.6/57

In: 175.408+/-0.022 χ^2/NDF:3946740.0/49

Out: 184.044+/-0.023 χ^2/NDF:5070053.4/55

All: 179.594+/-0.016 χ^2/NDF: 9090083.8/105



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 2.529+/-4.233 χ^2/NDF: 33.4/30

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

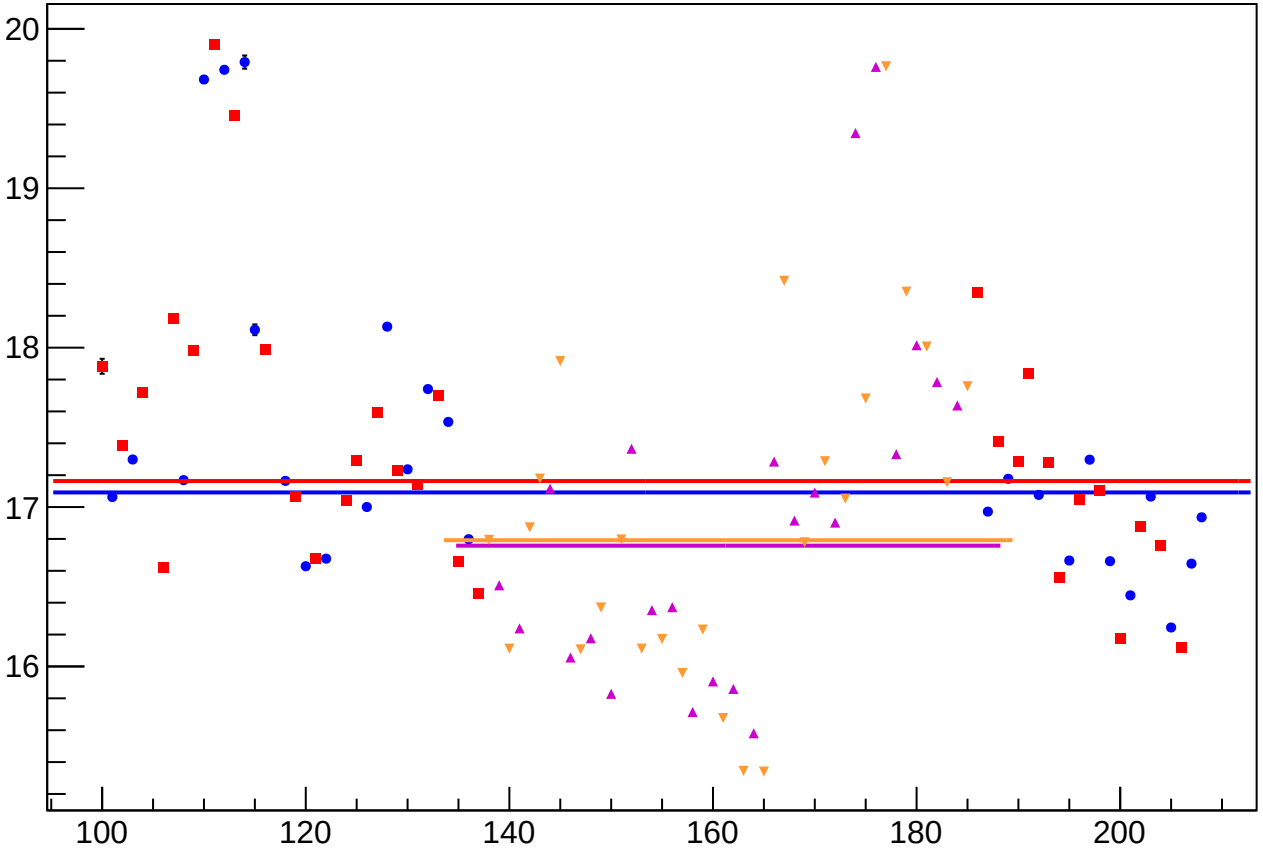
Right: -1.527+/-3.017 χ^2/NDF: 47.6/57

In: 0.215+/-2.899 χ^2/NDF:48.1/49

Out: 2.333+/-2.838 χ^2/NDF:53.4/55

All: 1.296+/-2.028 χ^2/NDF: 101.8/105

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.163+/-0.003 χ^2/NDF: 64784.4/30

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

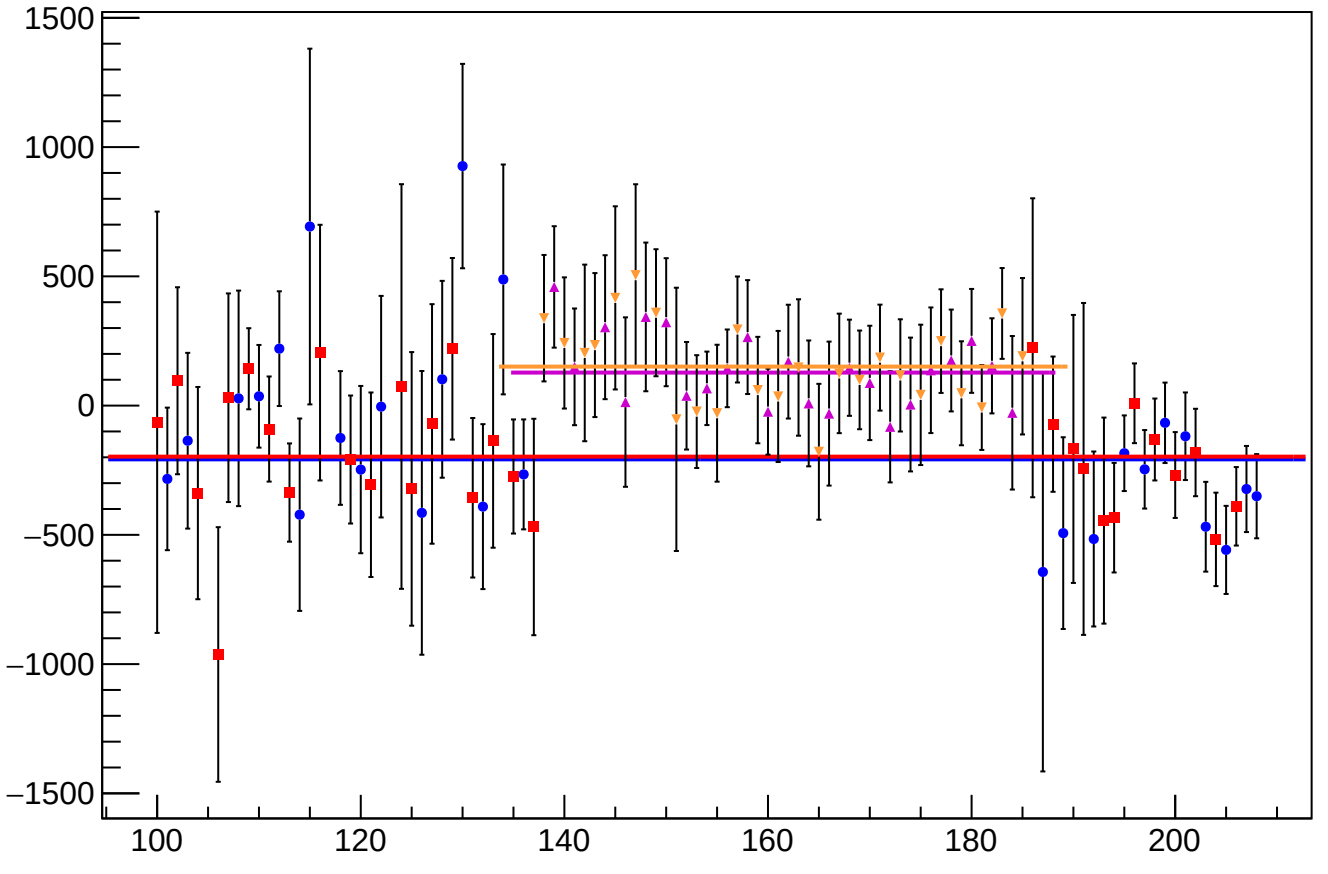
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.128+/-0.002 χ^2/NDF: 119567.6/57

In: 16.909+/-0.002 χ^2/NDF:184388.0/49

Out: 16.959+/-0.002 χ^2/NDF:210251.5/55

All: 16.935+/-0.001 χ^2/NDF: 394935.2/105



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -197.482+/-45.356 χ^2/NDF: 21.6/30

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

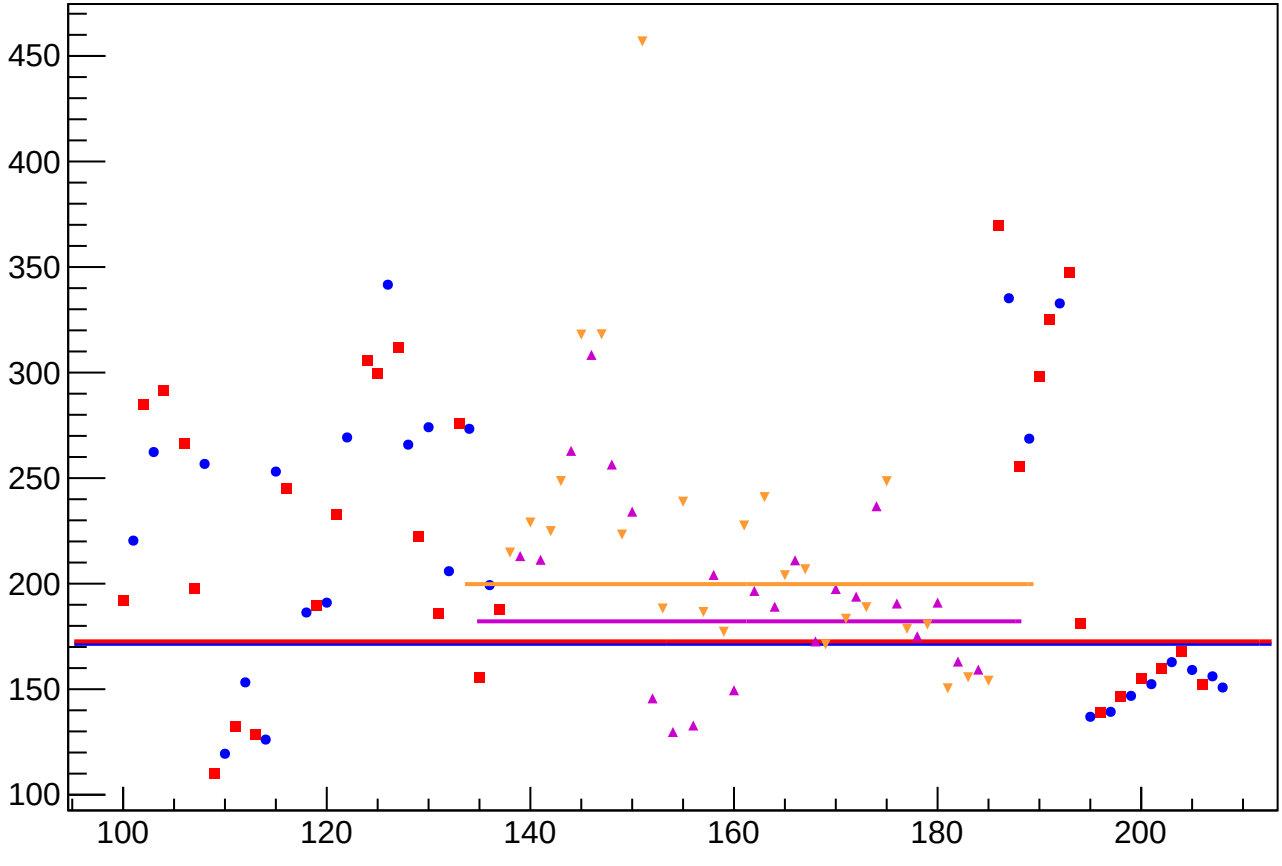
Right: -202.726+/-31.985 χ^2/NDF: 52.2/57

In: -37.527+/-31.654 χ^2/NDF:66.5/49

Out: -29.627+/-32.649 χ^2/NDF:60.0/55

All: -33.699+/-22.726 χ^2/NDF: 126.6/105

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 172.663+/-0.032 χ^2/NDF: 2866803.5/30

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

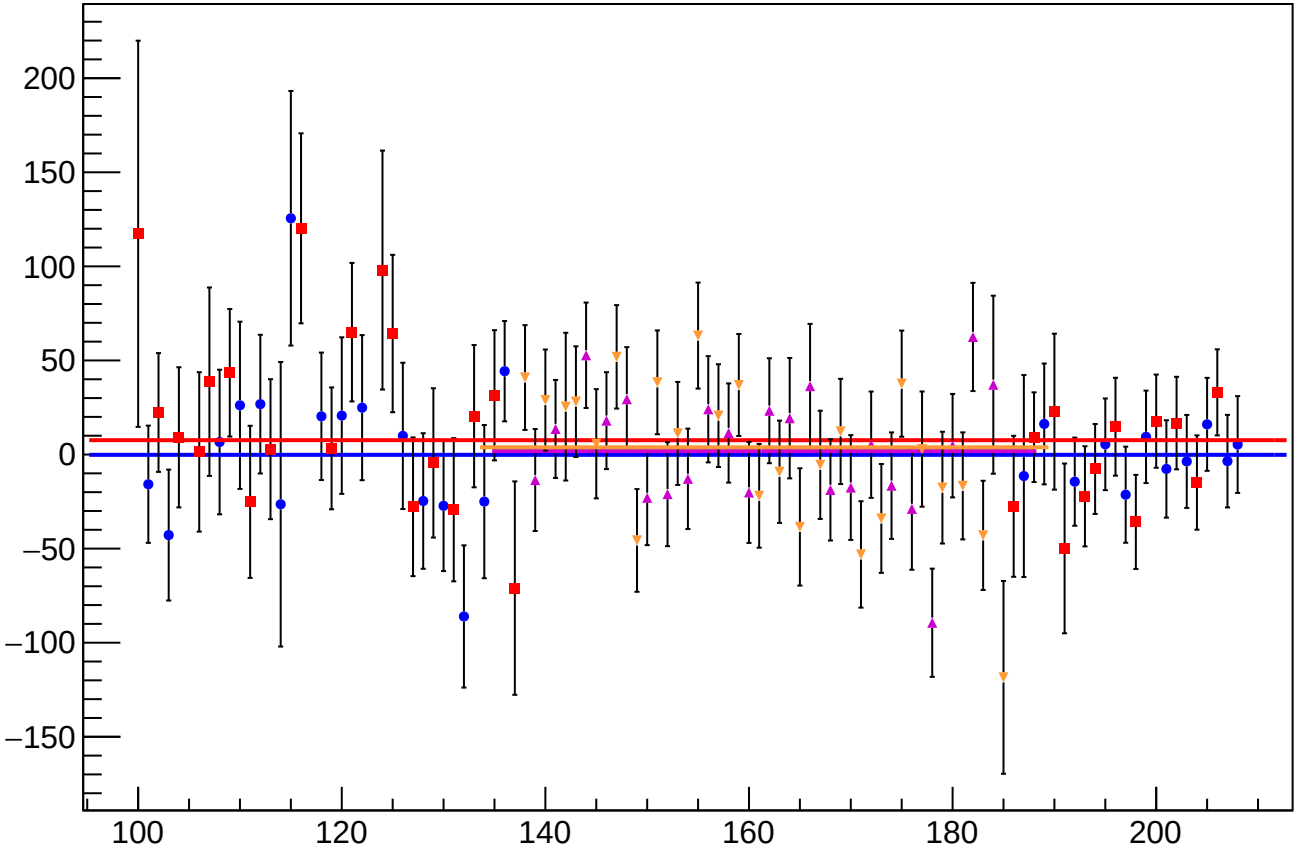
Right: 172.077+/-0.023 χ^2/NDF: 5119702.7/57

In: 176.905+/-0.022 χ^2/NDF:3893213.5/49

Out: 185.731+/-0.023 χ^2/NDF:4971701.9/55

All: 181.182+/-0.016 χ^2/NDF: 8940257.5/105

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 7.627+/-5.937 χ^2/NDF: 29.1/30

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

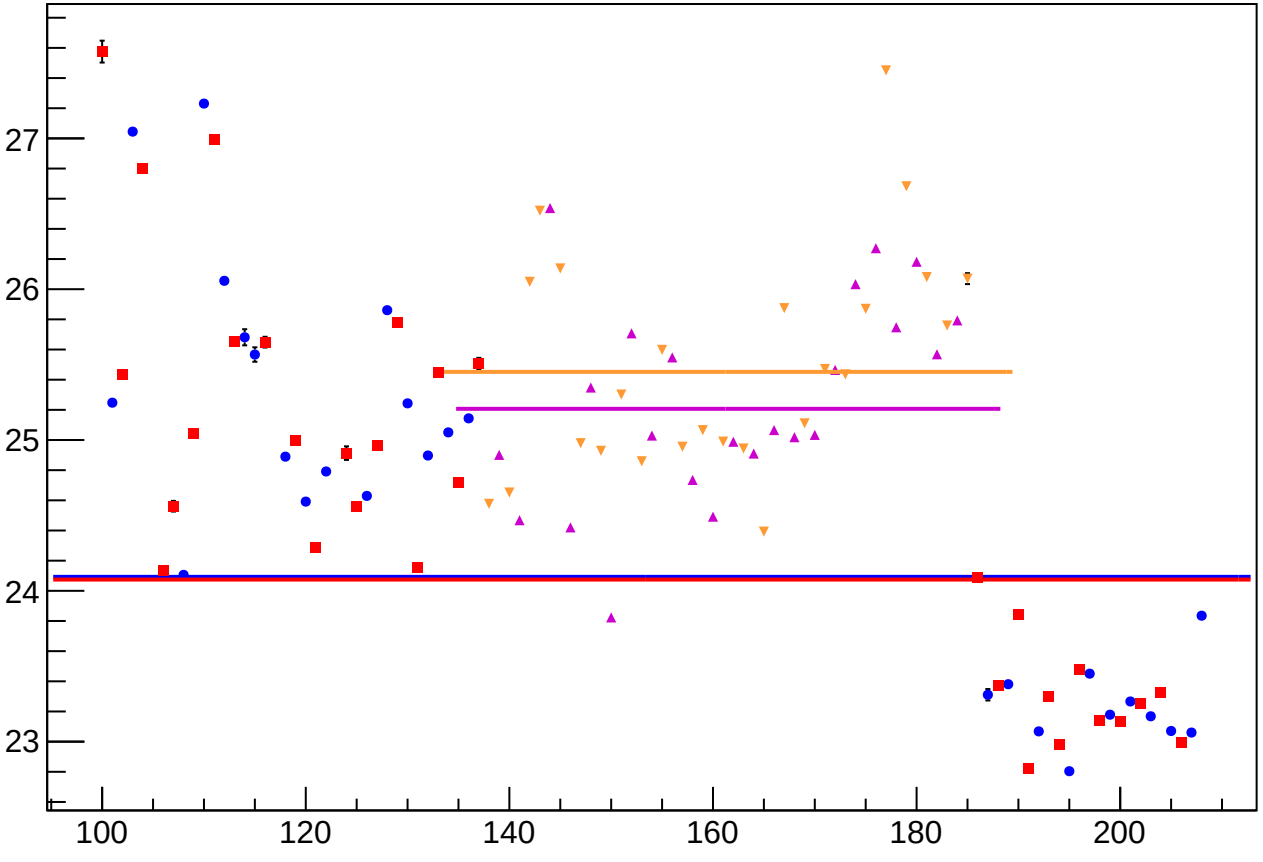
Right: 3.814+/-4.241 χ^2/NDF: 48.8/57

In: 0.873+/-4.225 χ^2/NDF:47.0/49

Out: 5.681+/-4.145 χ^2/NDF:66.9/55

All: 3.323+/-2.959 χ^2/NDF: 114.6/105

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.075+/-0.004 χ^2/NDF: 70776.9/30

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

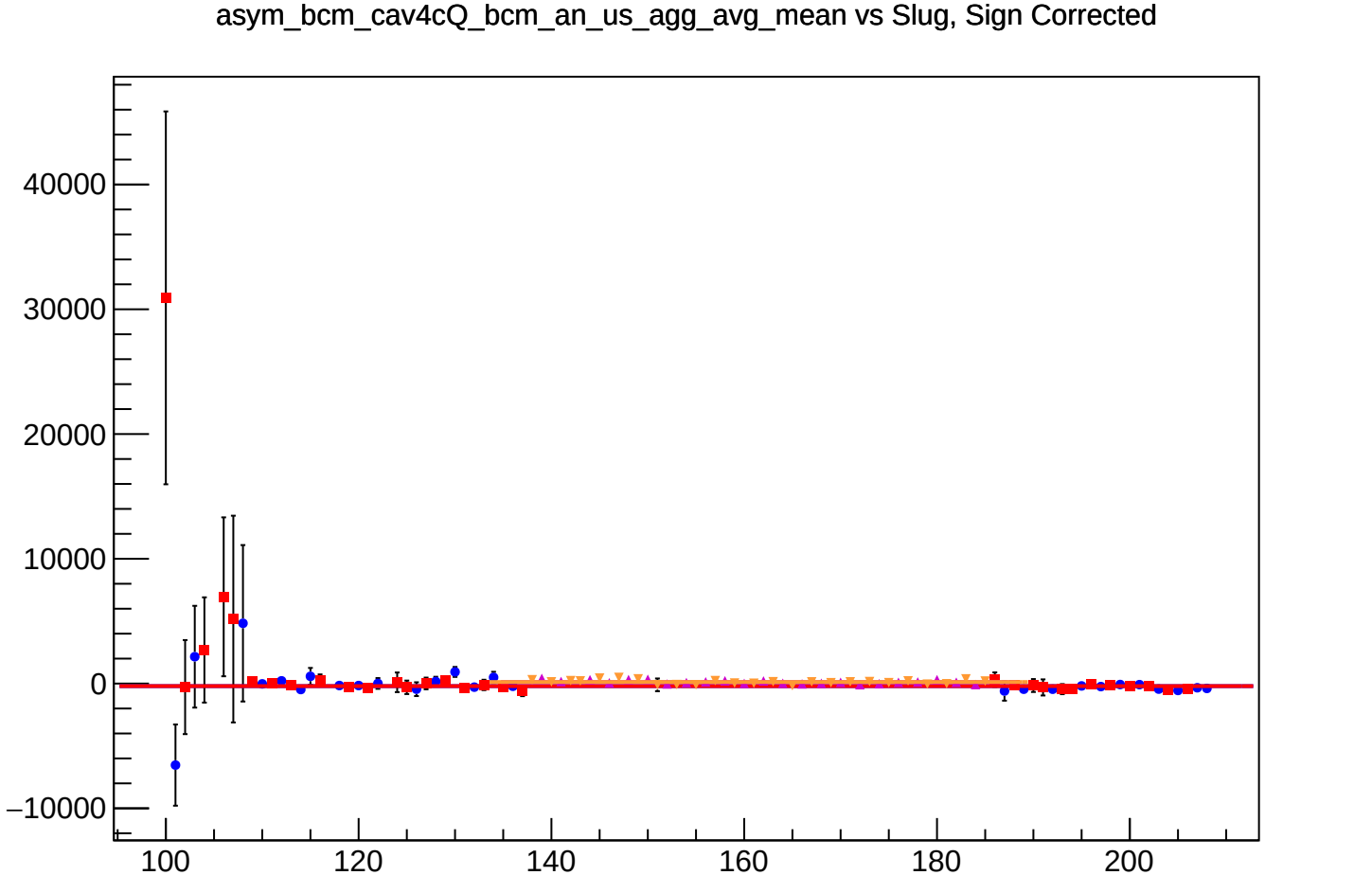
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 24.083+/-0.003 χ^2/NDF: 146839.8/57

In: 24.665+/-0.003 χ^2/NDF:136619.5/49

Out: 24.781+/-0.003 χ^2/NDF:155559.9/55

All: 24.724+/-0.002 χ^2/NDF: 292936.8/105



Right In: -205.764+/-47.225 χ^2/NDF: 33.3/26

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -203.577+/-48.250 χ^2/NDF: 24.5/30

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

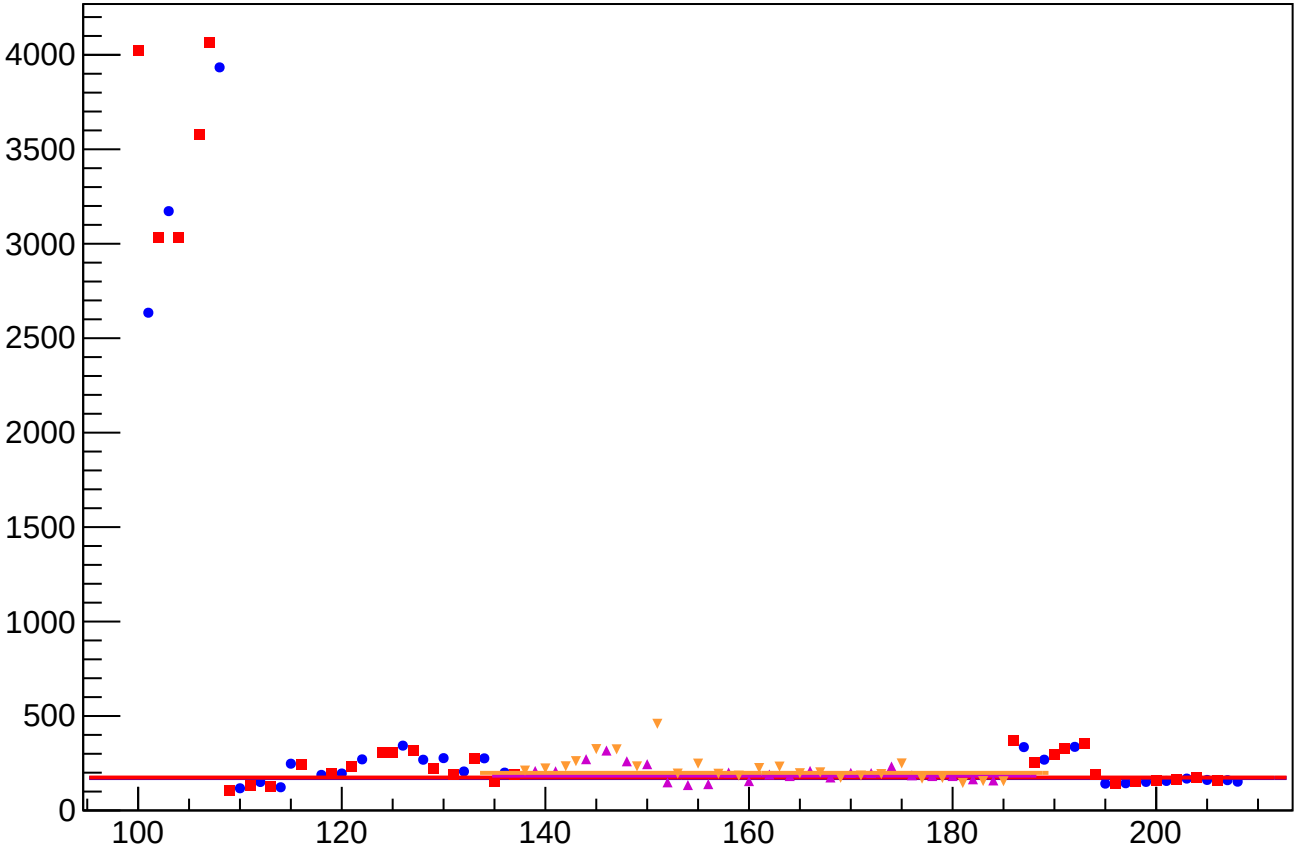
Right: -204.694+/-33.750 χ^2/NDF: 57.8/57

In: -35.986+/-32.529 χ^2/NDF:65.9/49

Out: -34.634+/-33.640 χ^2/NDF:59.4/55

All: -35.333+/-23.384 χ^2/NDF: 125.3/105

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.508+/-0.033 χ^2/NDF: 4856617.7/26

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 174.159+/-0.034 χ^2/NDF: 5509344.1/30

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

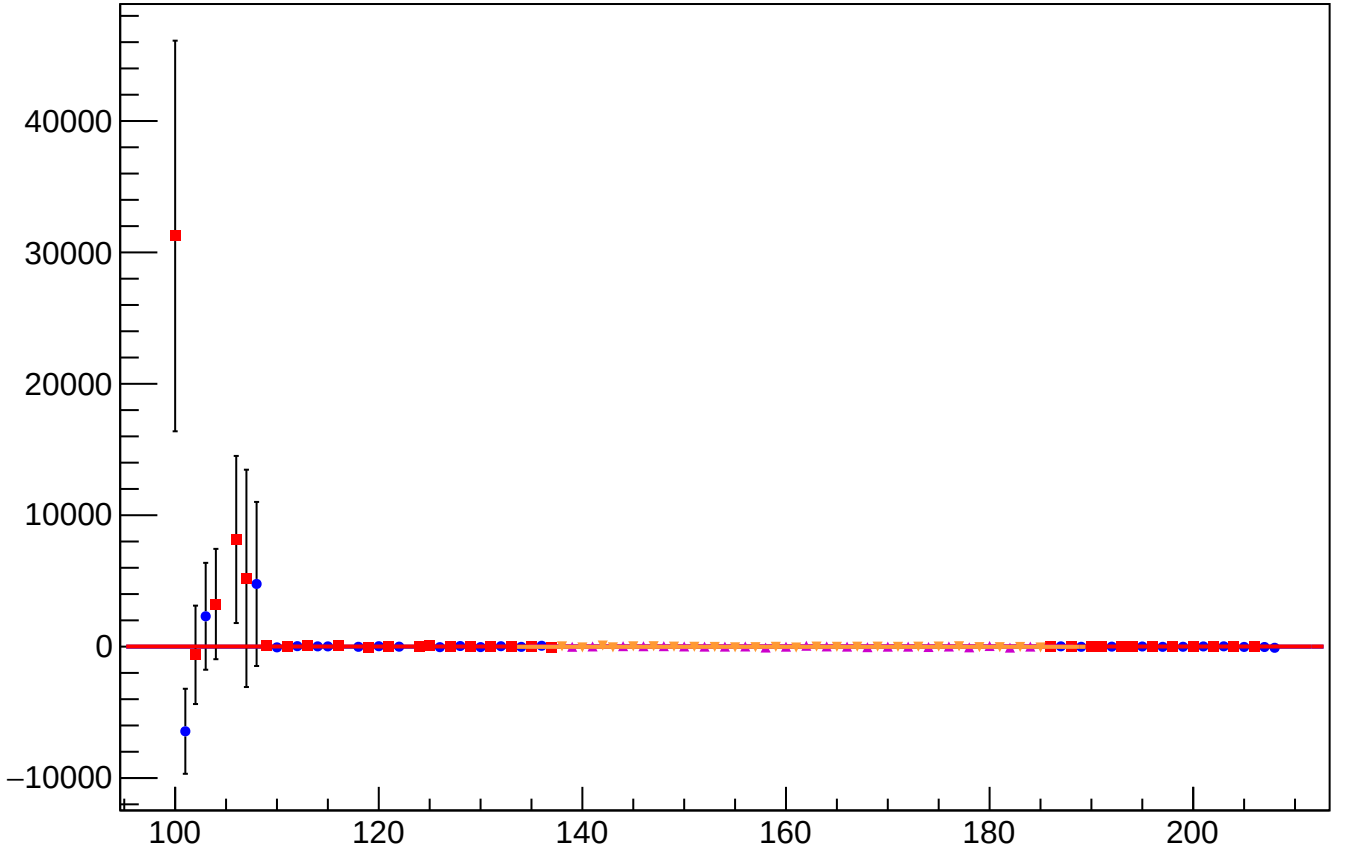
Right: 172.805+/-0.024 χ^2/NDF: 10369044.3/57

In: 178.283+/-0.023 χ^2/NDF:6381234.7/49

Out: 186.922+/-0.024 χ^2/NDF:7683803.7/55

All: 182.457+/-0.017 χ^2/NDF: 14133205.0/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.979+/-7.280 χ^2/NDF: 28.2/26

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 10.695+/-7.258 χ^2/NDF: 30.3/30

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

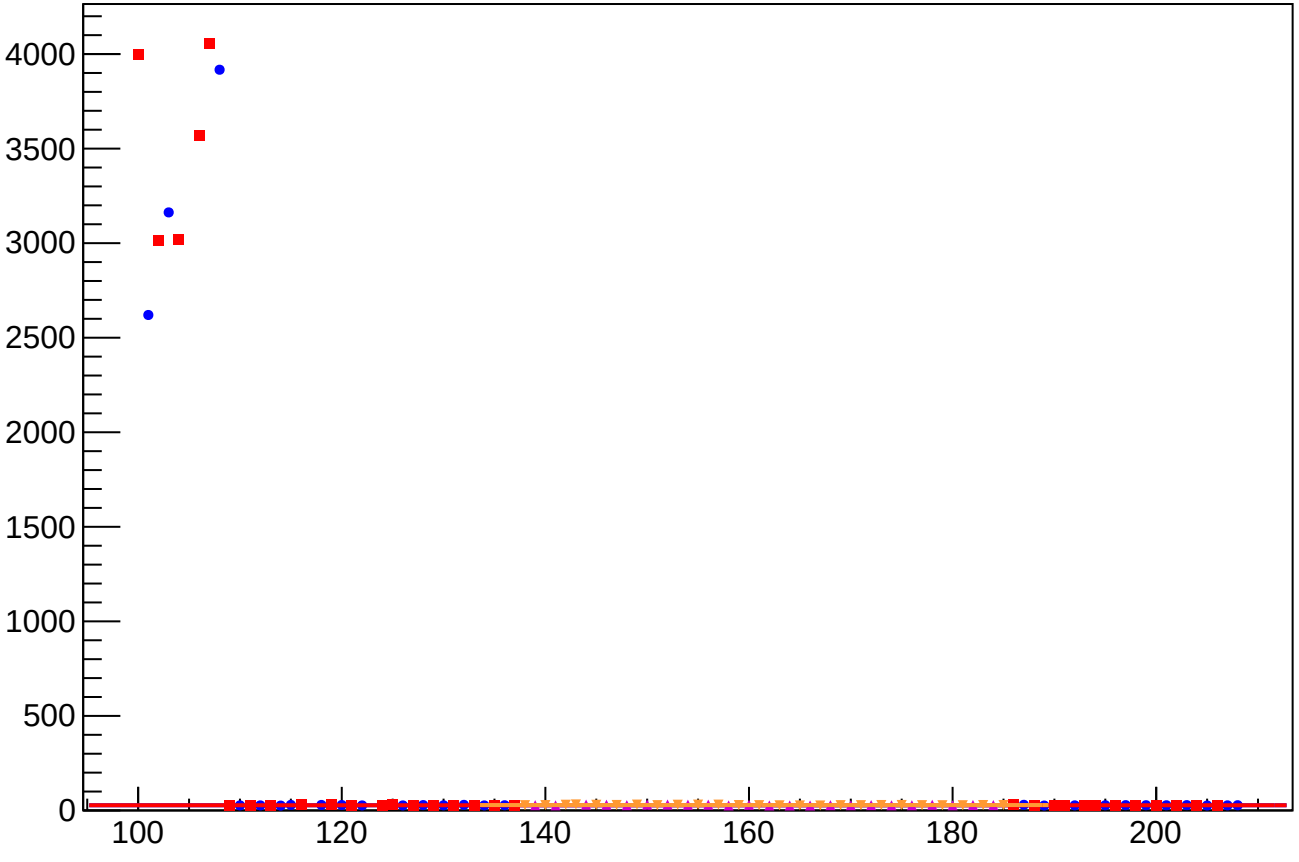
Right: 3.381+/-5.140 χ^2/NDF: 60.5/57

In: -0.650+/-4.931 χ^2/NDF:56.9/49

Out: -3.445+/-4.847 χ^2/NDF:59.4/55

All: -2.072+/-3.457 χ^2/NDF: 116.4/105

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.414+/-0.005 χ^2/NDF: 3279588.5/26

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.503+/-0.005 χ^2/NDF: 3583724.6/30

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

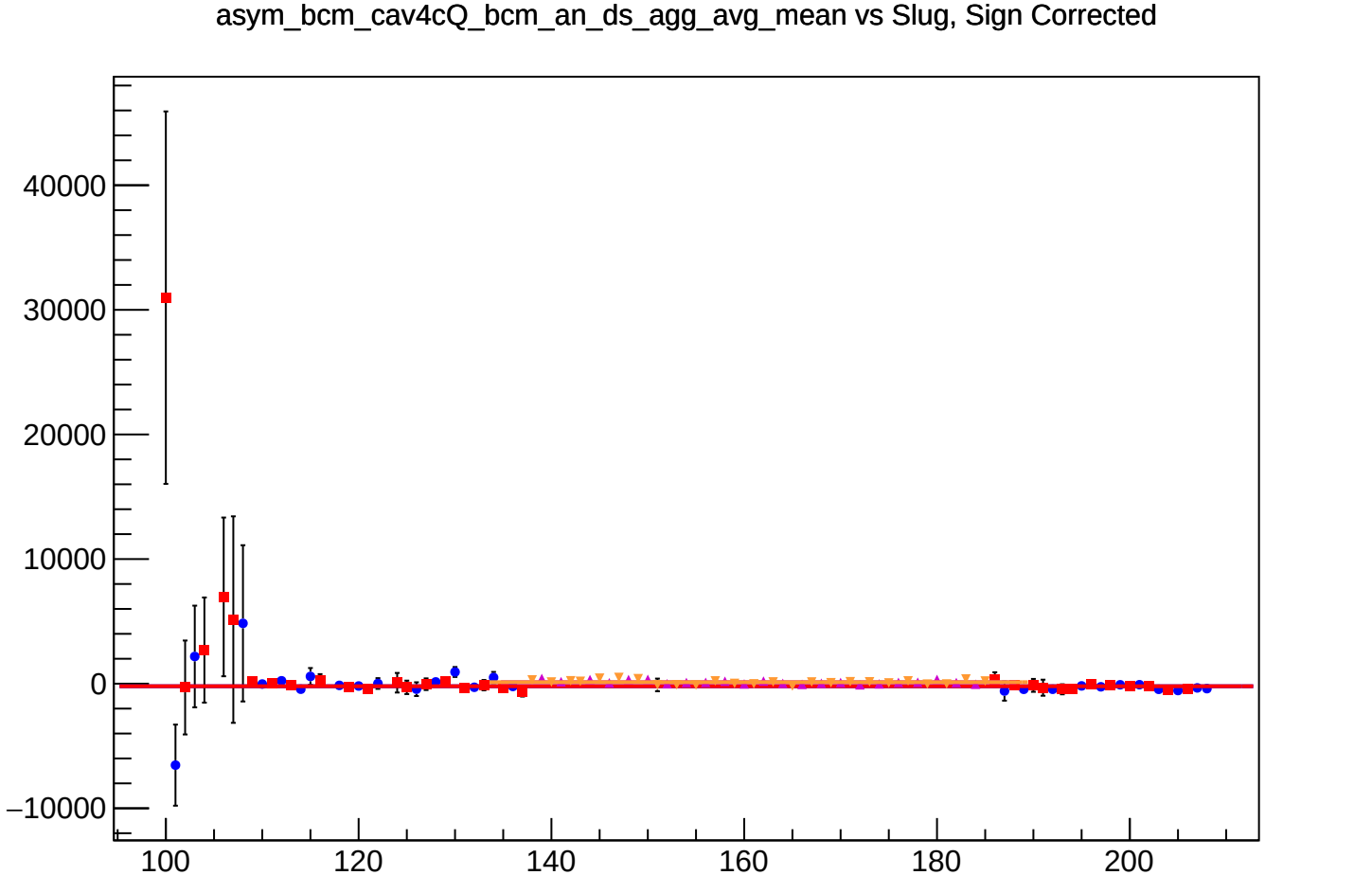
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.459+/-0.004 χ^2/NDF: 6863464.7/57

In: 28.059+/-0.003 χ^2/NDF:3431532.2/49

Out: 28.103+/-0.003 χ^2/NDF:3696499.9/55

All: 28.081+/-0.002 χ^2/NDF: 7128113.3/105



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -204.180+/-48.118 χ^2/NDF: 24.9/30

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

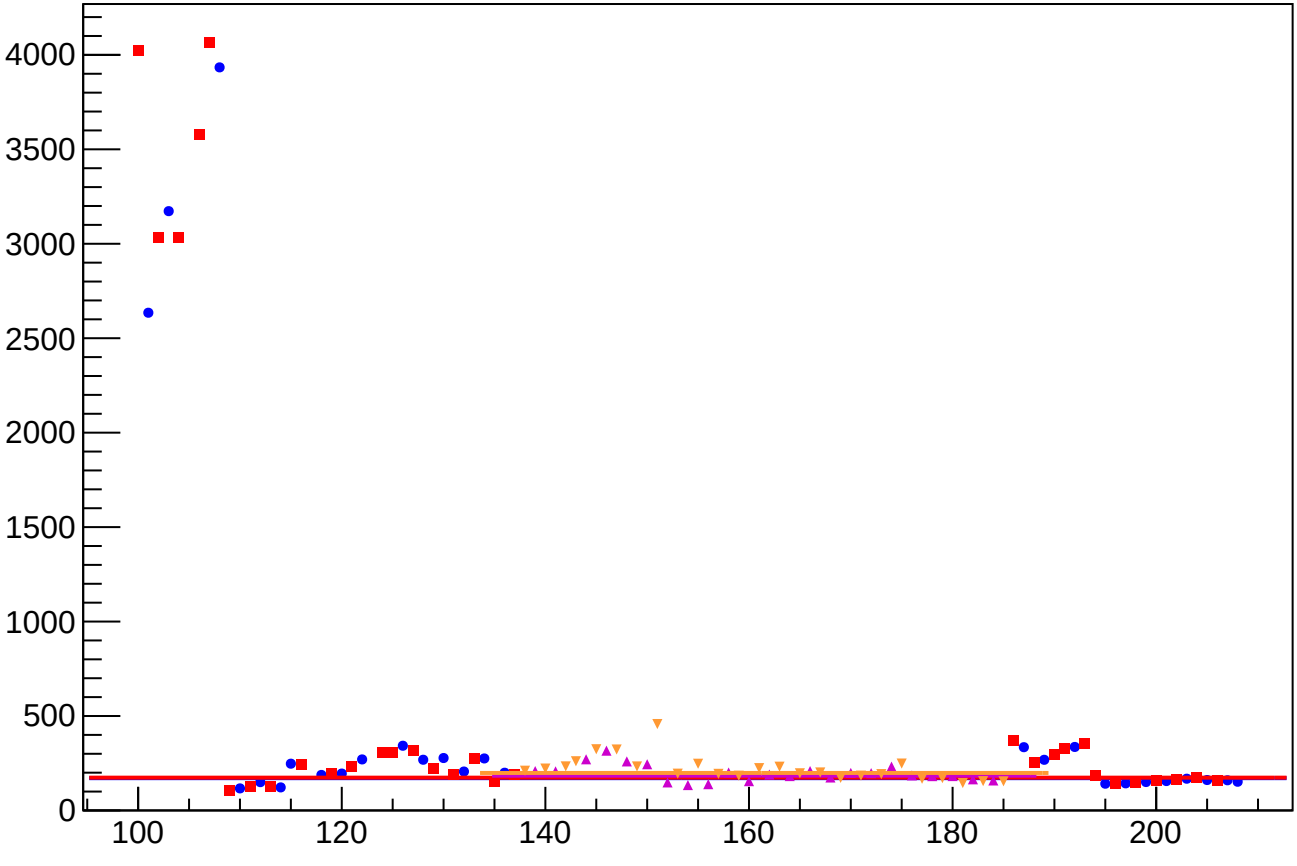
Right: -205.315+/-33.654 χ^2/NDF: 58.5/57

In: -37.006+/-32.451 χ^2/NDF:66.7/49

Out: -36.691+/-33.558 χ^2/NDF:60.4/55

All: -36.853+/-23.328 χ^2/NDF: 127.2/105

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 173.627+/-0.034 χ^2/NDF: 5527367.4/30

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

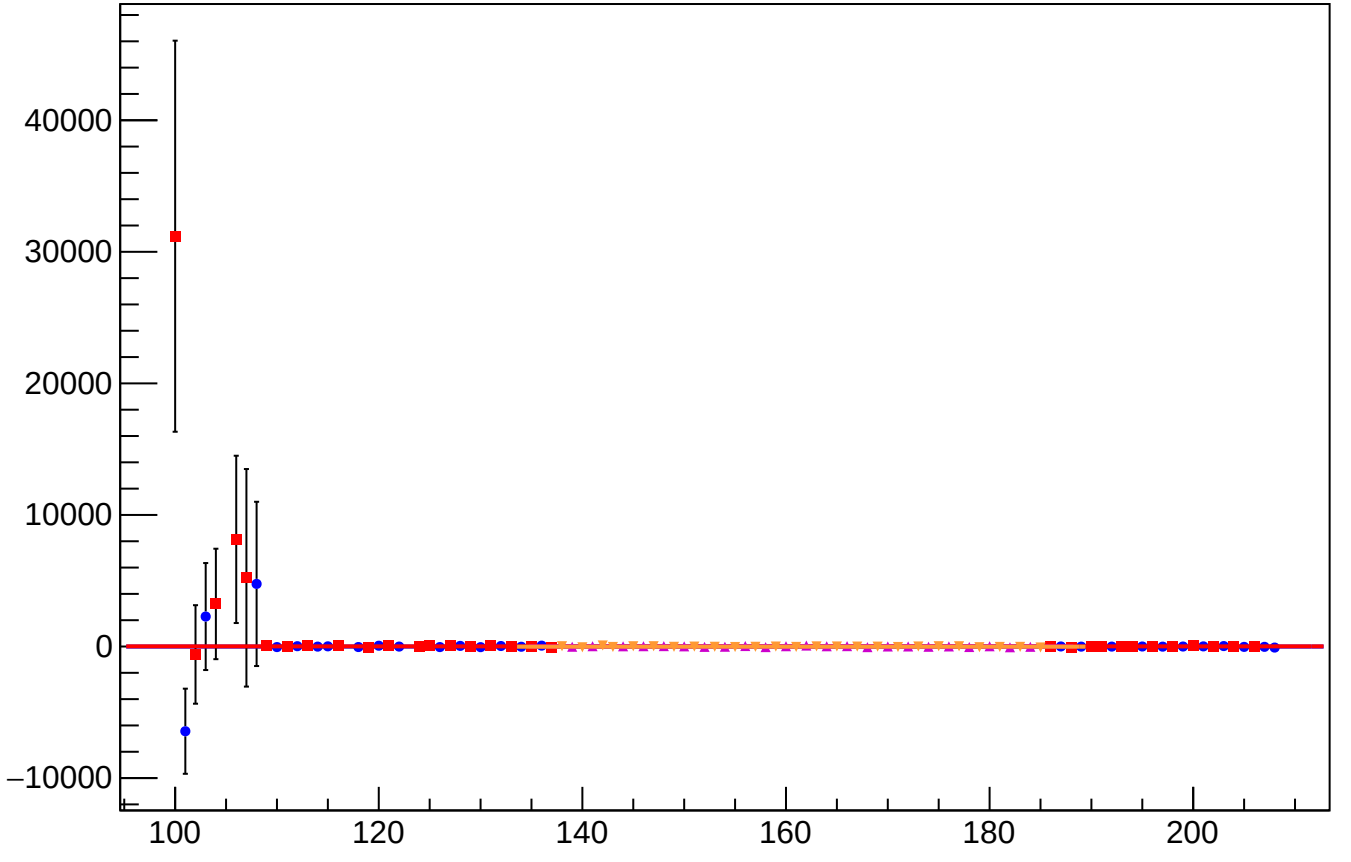
Right: 172.266+/-0.024 χ^2/NDF: 10400344.8/57

In: 177.835+/-0.023 χ^2/NDF:6396386.8/49

Out: 186.438+/-0.024 χ^2/NDF:7704919.9/55

All: 181.992+/-0.016 χ^2/NDF: 14169235.9/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 12.402+/-7.244 χ^2/NDF: 30.7/30

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

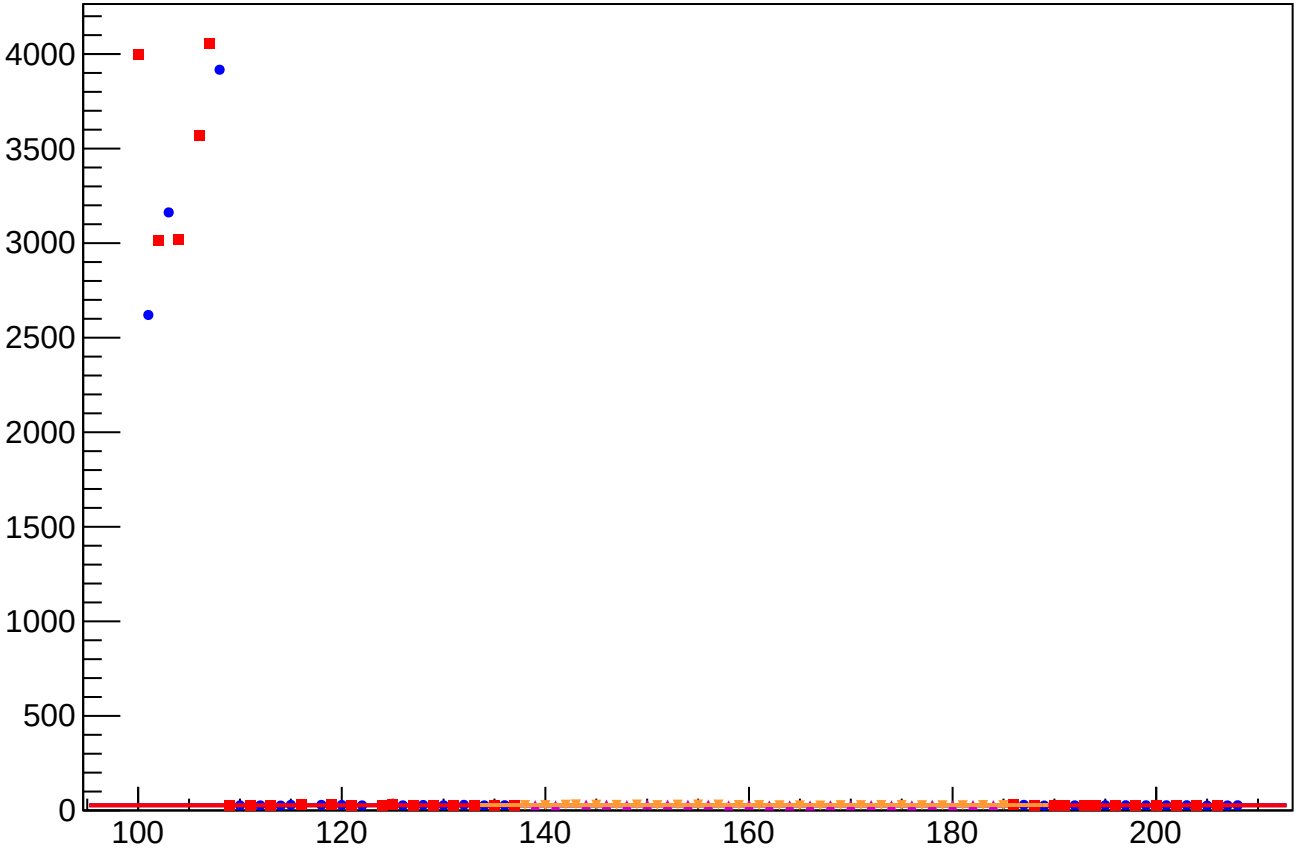
Right: 3.776+/-5.127 χ^2/NDF: 62.5/57

In: -0.873+/-4.935 χ^2/NDF:51.7/49

Out: -0.966+/-4.855 χ^2/NDF:54.8/55

All: -0.920+/-3.461 χ^2/NDF: 106.4/105

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.452+/-0.005 χ^2/NDF: 3583729.5/30

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

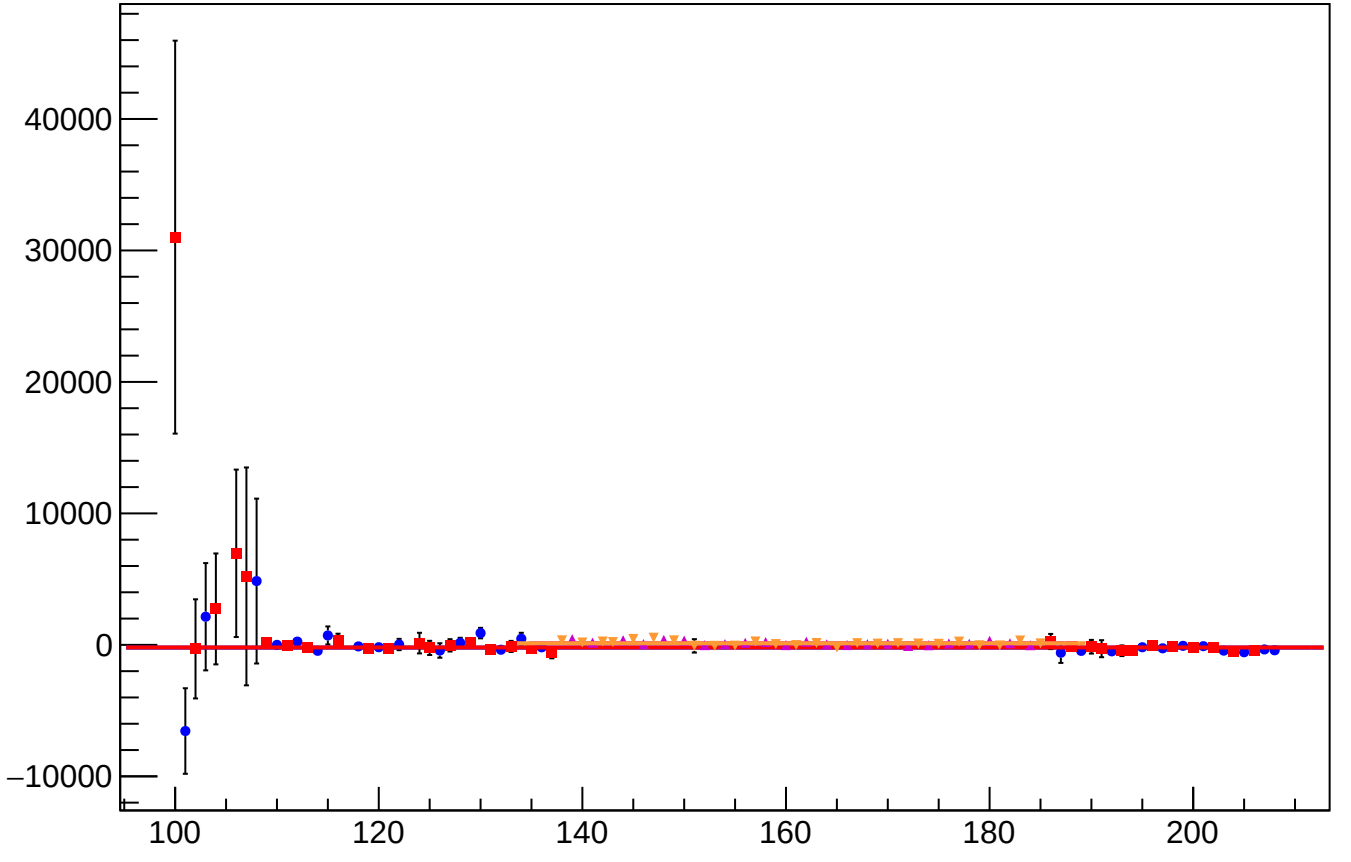
Right: 27.387+/-0.004 χ^2/NDF: 6868789.1/57

In: 28.077+/-0.003 χ^2/NDF:3452520.9/49

Out: 28.144+/-0.003 χ^2/NDF:3715672.9/55

All: 28.111+/-0.002 χ^2/NDF: 7168380.4/105

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -208.252+/-47.439 χ^2/NDF: 34.6/26

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -197.526+/-48.495 χ^2/NDF: 23.3/30

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

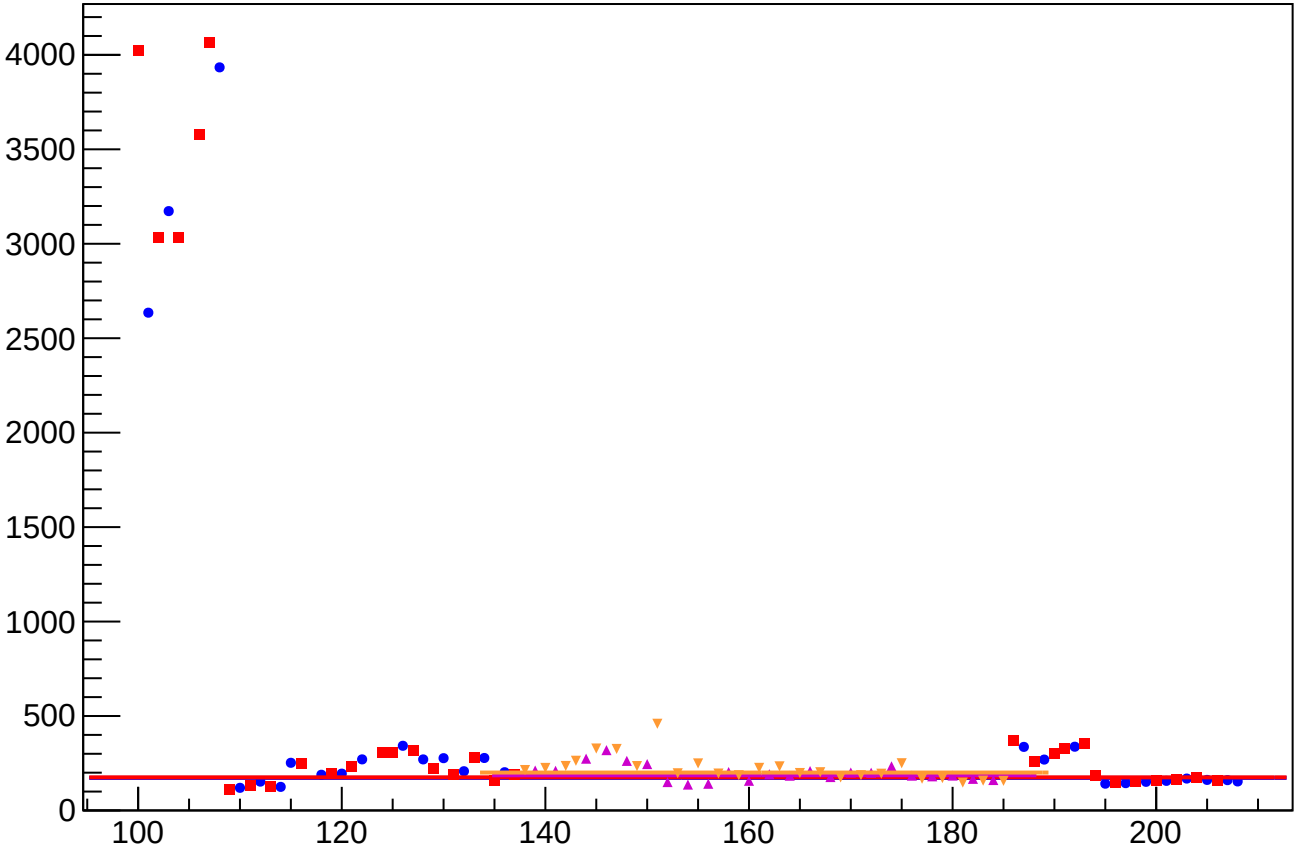
Right: -203.007+/-33.911 χ^2/NDF: 57.9/57

In: -34.854+/-32.750 χ^2/NDF:68.6/49

Out: -33.335+/-33.860 χ^2/NDF:57.0/55

All: -34.120+/-23.541 χ^2/NDF: 125.6/105

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.359+/-0.034 χ^2/NDF: 4838093.6/26

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 175.208+/-0.034 χ^2/NDF: 5465094.6/30

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

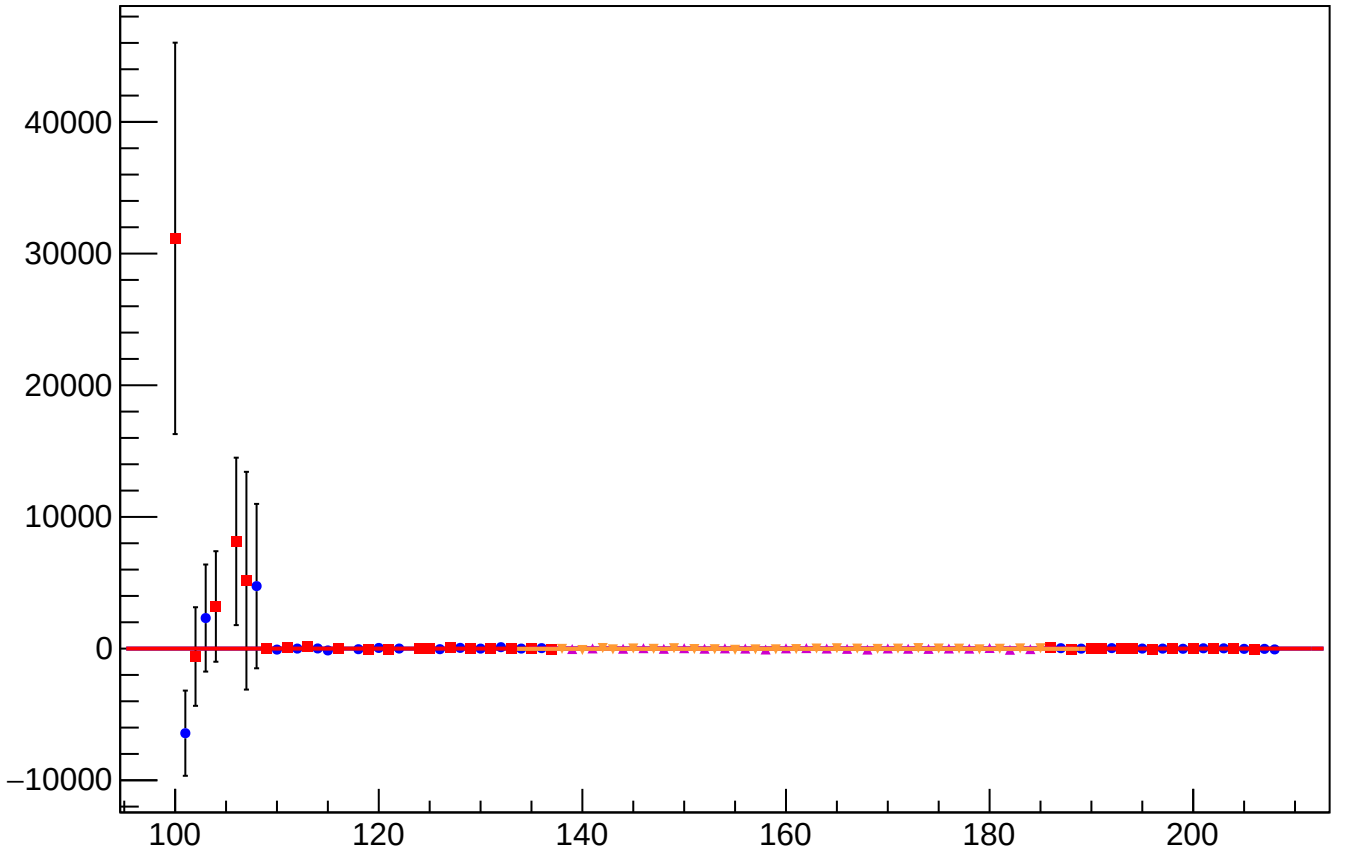
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 173.752+/-0.024 χ^2/NDF: 10306717.1/57

In: 179.587+/-0.023 χ^2/NDF:6340196.8/49

Out: 188.265+/-0.024 χ^2/NDF:7628072.0/55

All: 183.781+/-0.017 χ^2/NDF: 14036138.8/10



Right In: 0.399+/-8.852 χ^2/NDF: 23.4/26

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 0.816+/-8.829 χ^2/NDF: 33.6/30

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

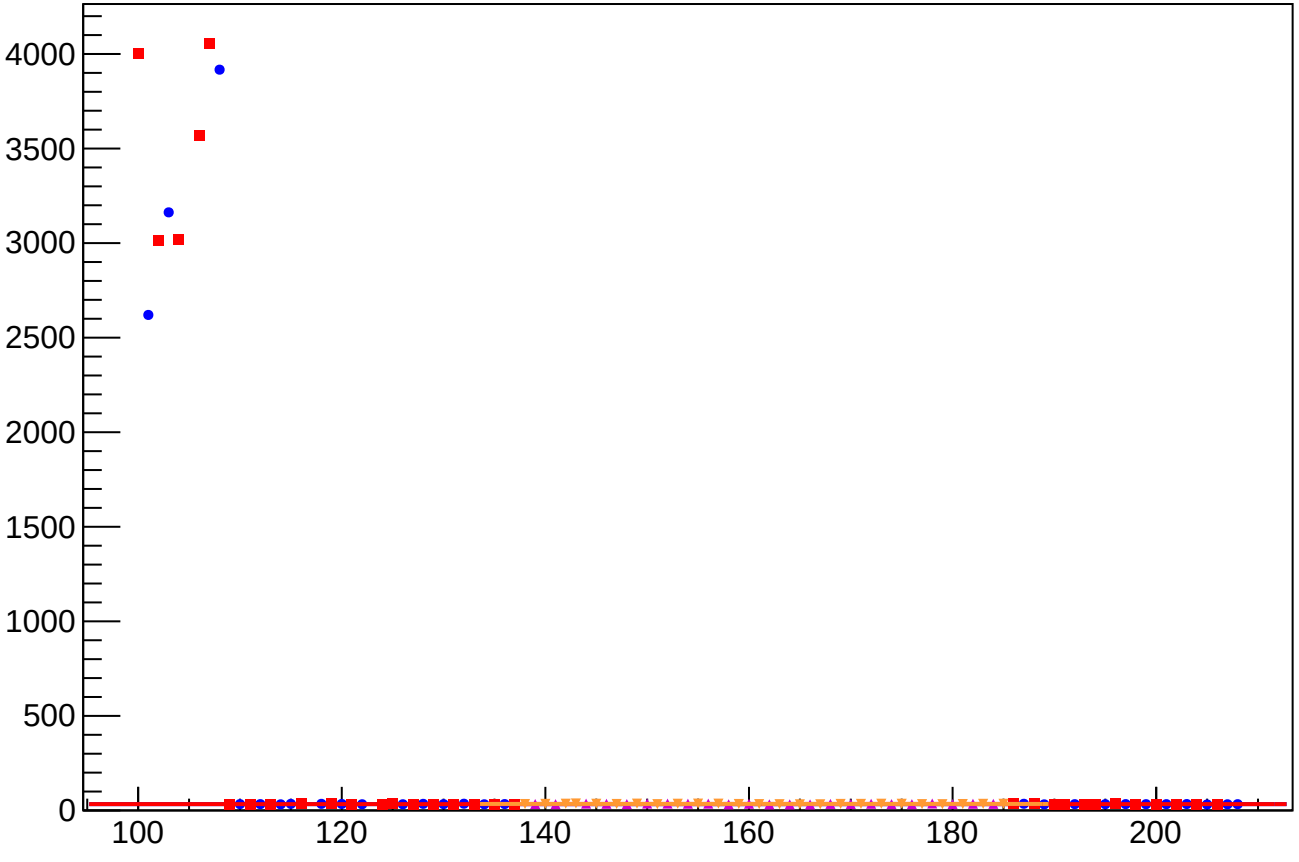
Right: 0.608+/-6.251 χ^2/NDF: 57.0/57

In: -2.015+/-5.969 χ^2/NDF:42.4/49

Out: -11.516+/-5.860 χ^2/NDF:60.0/55

All: -6.853+/-4.182 χ^2/NDF: 103.8/105

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.361+/-0.006 χ^2/NDF: 3255713.3/26

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.505+/-0.006 χ^2/NDF: 3542877.1/30

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

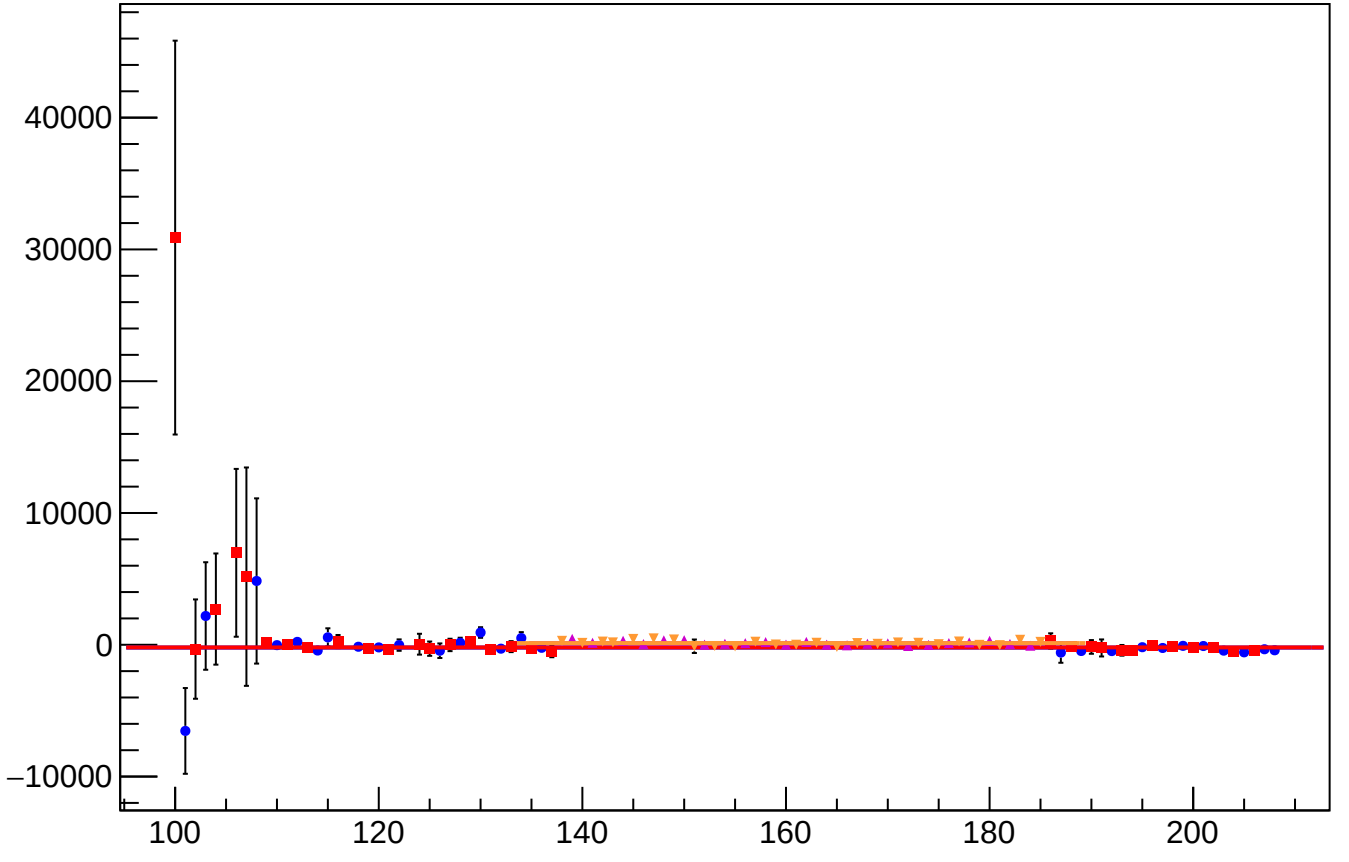
Right: 33.434+/-0.004 χ^2/NDF: 6798855.1/57

In: 34.011+/-0.004 χ^2/NDF:3334721.1/49

Out: 34.027+/-0.004 χ^2/NDF:3600065.9/55

All: 34.019+/-0.003 χ^2/NDF: 6934795.1/105

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -201.313+/-48.312 χ^2/NDF: 23.1/30

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

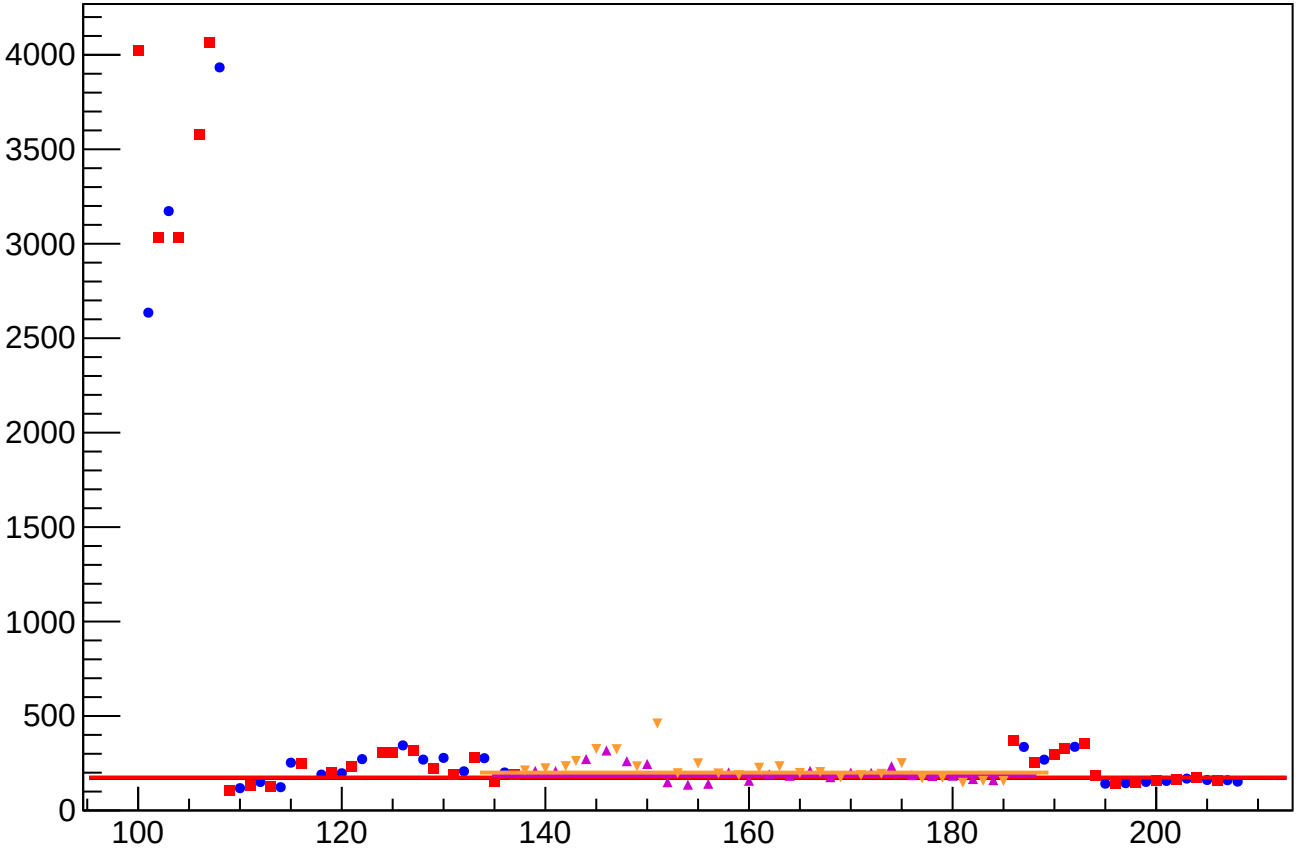
Right: -207.457+/-33.794 χ^2/NDF: 57.2/57

In: -37.673+/-32.674 χ^2/NDF:68.4/49

Out: -33.079+/-33.772 χ^2/NDF:58.5/55

All: -35.452+/-23.483 χ^2/NDF: 126.9/105

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 174.372+/-0.034 χ^2/NDF: 5516664.3/30

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

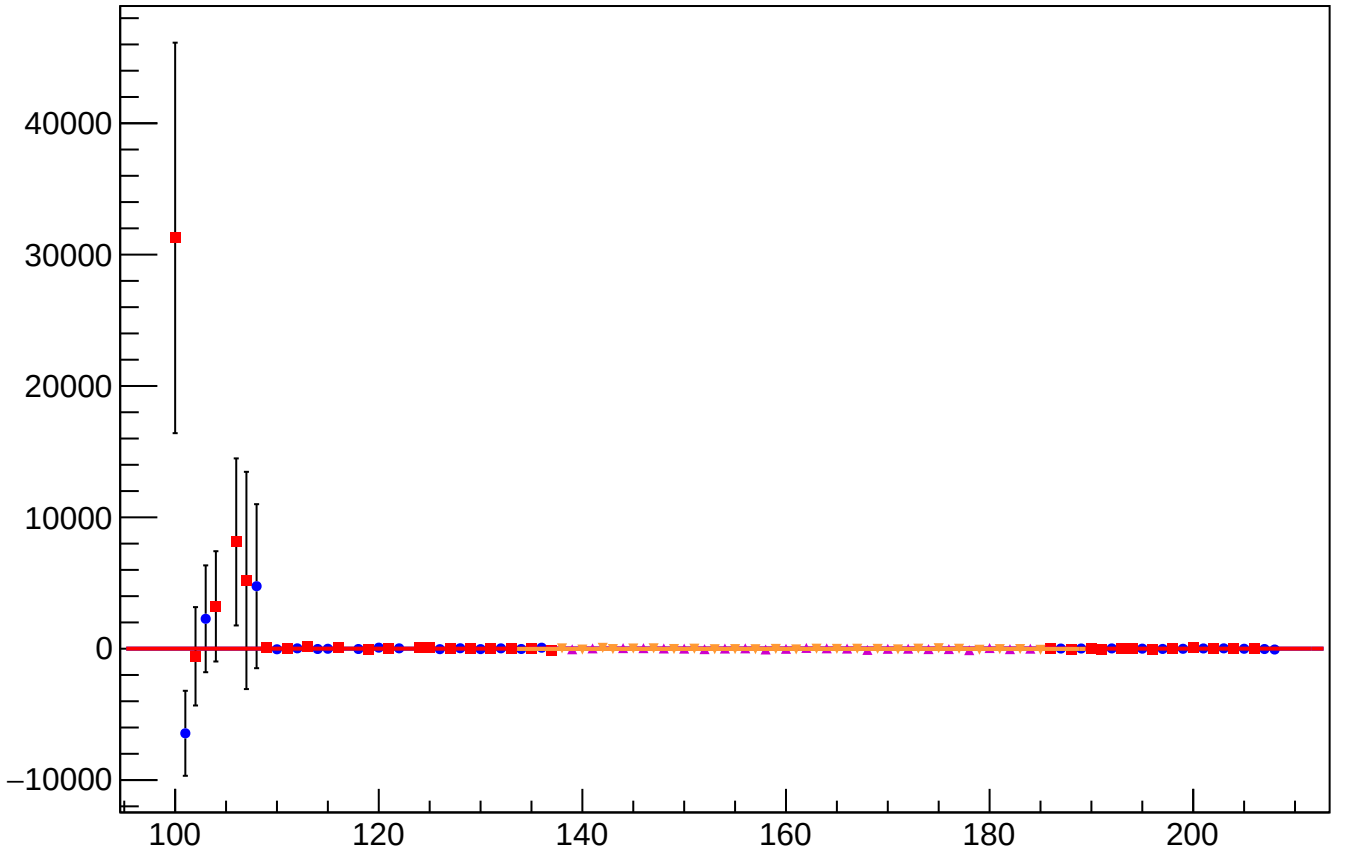
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 173.013+/-0.024 χ^2/NDF: 10387134.8/57

In: 179.111+/-0.023 χ^2/NDF:6366616.2/49

Out: 187.667+/-0.024 χ^2/NDF:7689388.1/55

All: 183.248+/-0.017 χ^2/NDF: 14122310.8/10



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 5.448+/-7.995 χ^2/NDF: 39.3/30

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

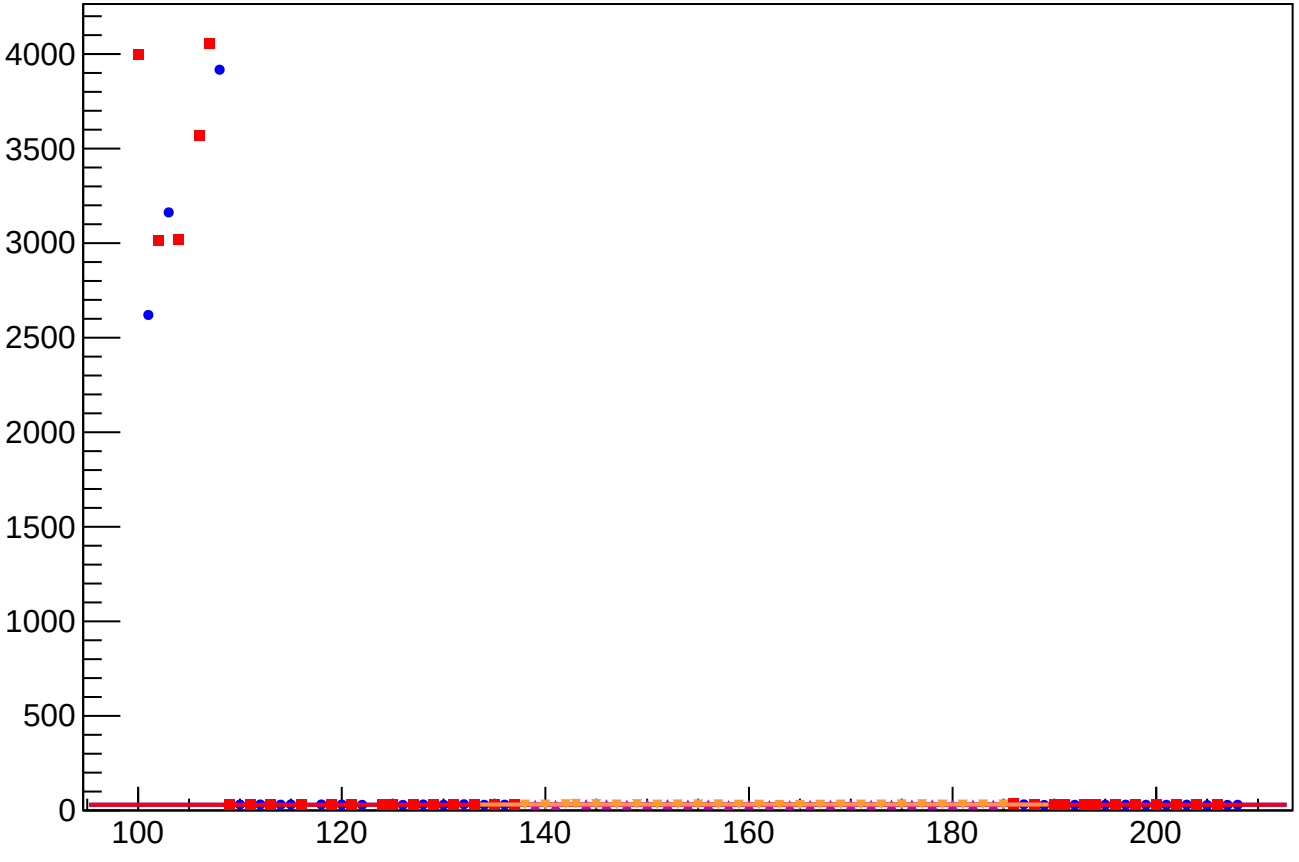
Right: 4.423+/-5.661 χ^2/NDF: 62.0/57

In: 0.076+/-5.417 χ^2/NDF:58.5/49

Out: -7.928+/-5.323 χ^2/NDF:64.8/55

All: -3.995+/-3.797 χ^2/NDF: 124.3/105

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.315+/-0.006 χ^2/NDF: 3561584.2/30

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

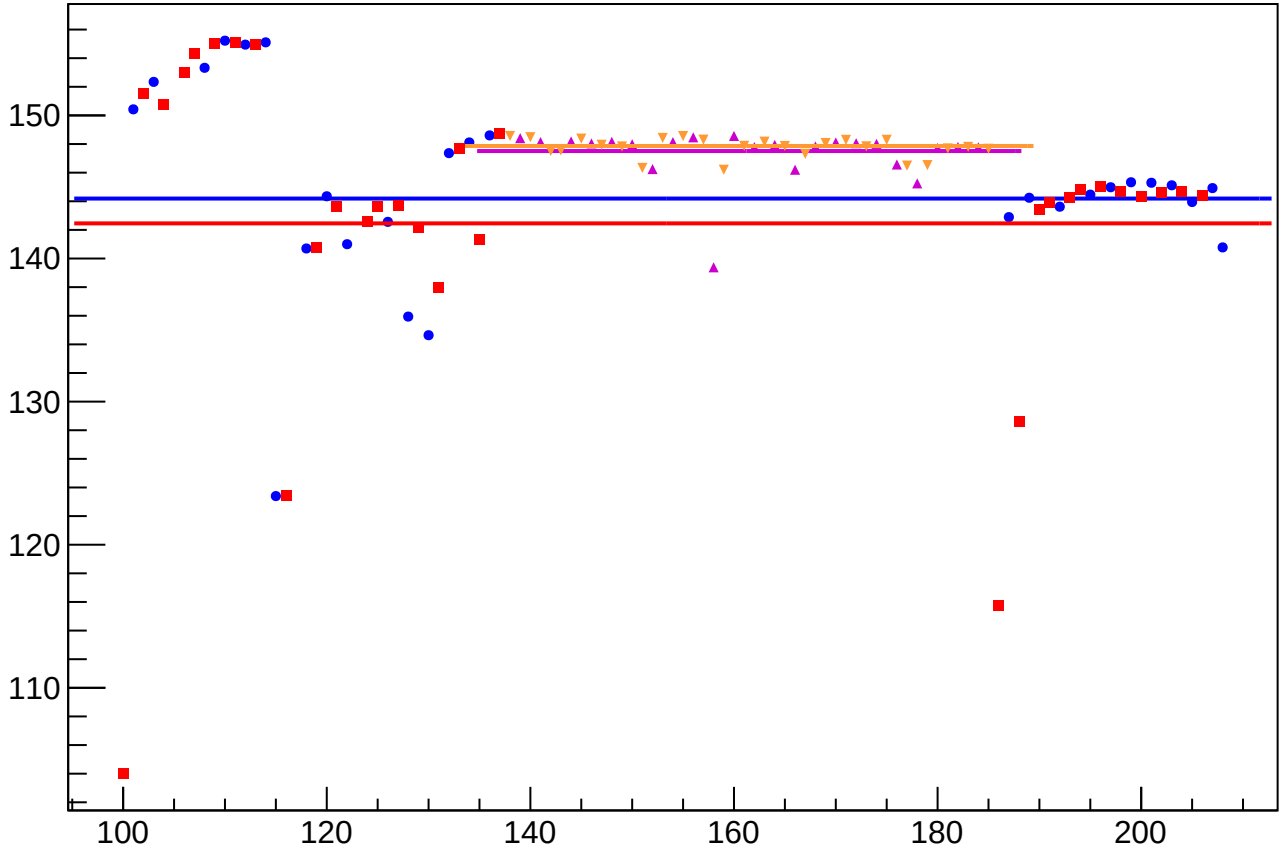
Right: 30.253+/-0.004 χ^2/NDF: 6835427.0/57

In: 30.837+/-0.004 χ^2/NDF:3382725.3/49

Out: 30.885+/-0.004 χ^2/NDF:3642904.0/55

All: 30.862+/-0.003 χ^2/NDF: 7025711.3/105

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

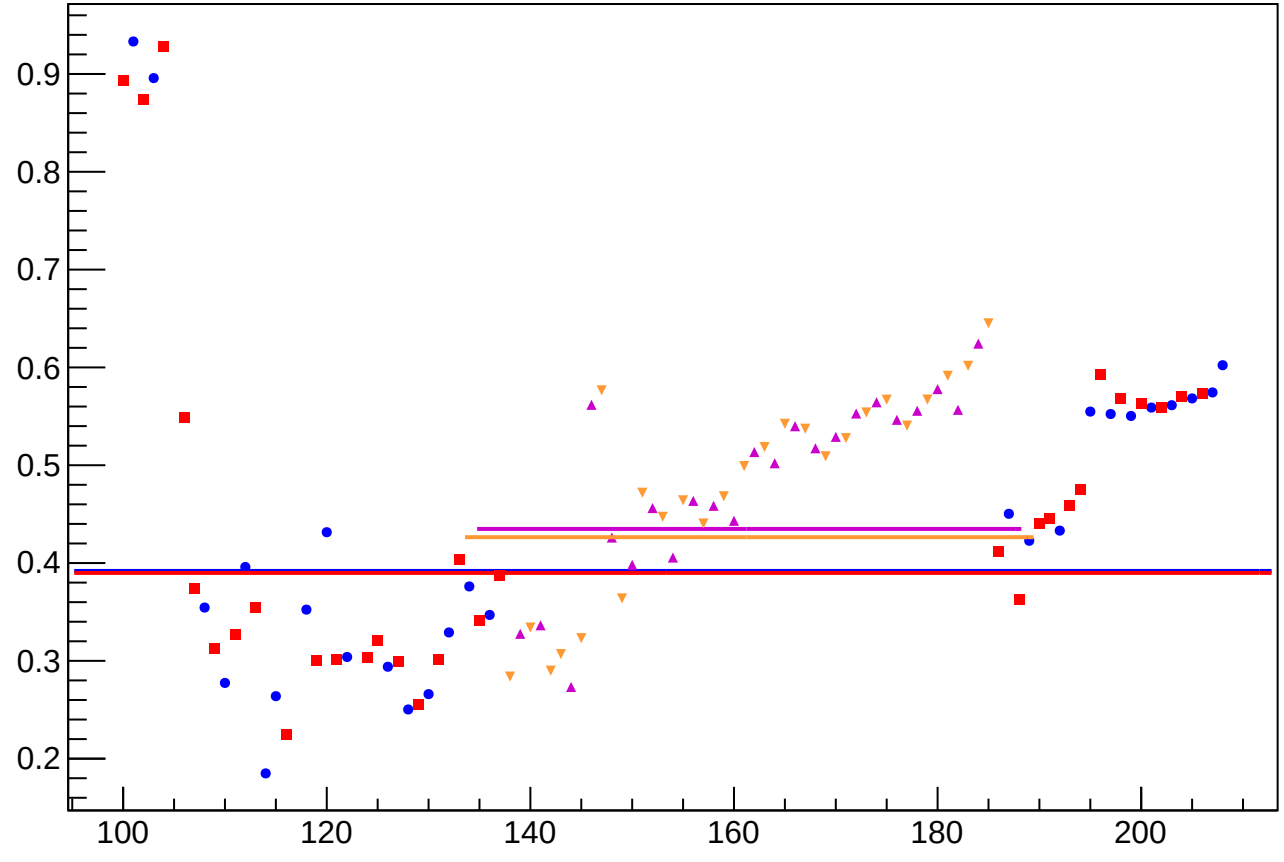
Right: 143.296+/-0.000 χ^2/NDF: 11448879022.5/57

In: 145.877+/-0.000 χ^2/NDF:4557418325.9/49

Out: 145.232+/-0.000 χ^2/NDF:8974022516.1/55

All: 145.542+/-0.000 χ^2/NDF: 13569370840.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

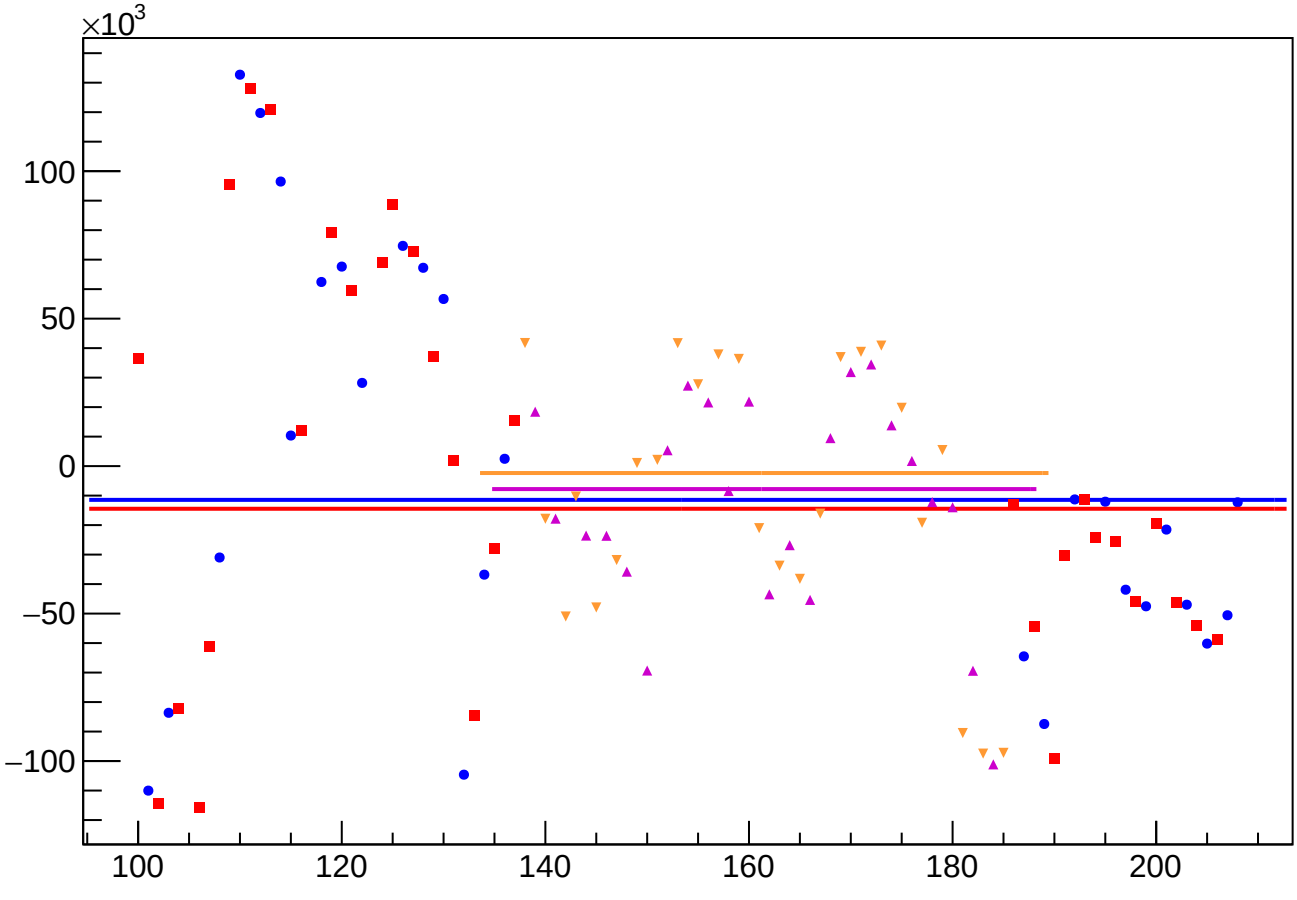
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.391+/-0.000 χ^2/NDF: 6109642.5/57

In: 0.414+/-0.000 χ^2/NDF:5159886.0/49

Out: 0.409+/-0.000 χ^2/NDF:5271471.9/55

All: 0.411+/-0.000 χ^2/NDF: 10436056.7/105



Right In: -11444.460+/-1.380 χ^2/NDF: 1936397733.9/26

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -14461.416+/-1.319 χ^2/NDF: 2387809233.8/30

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

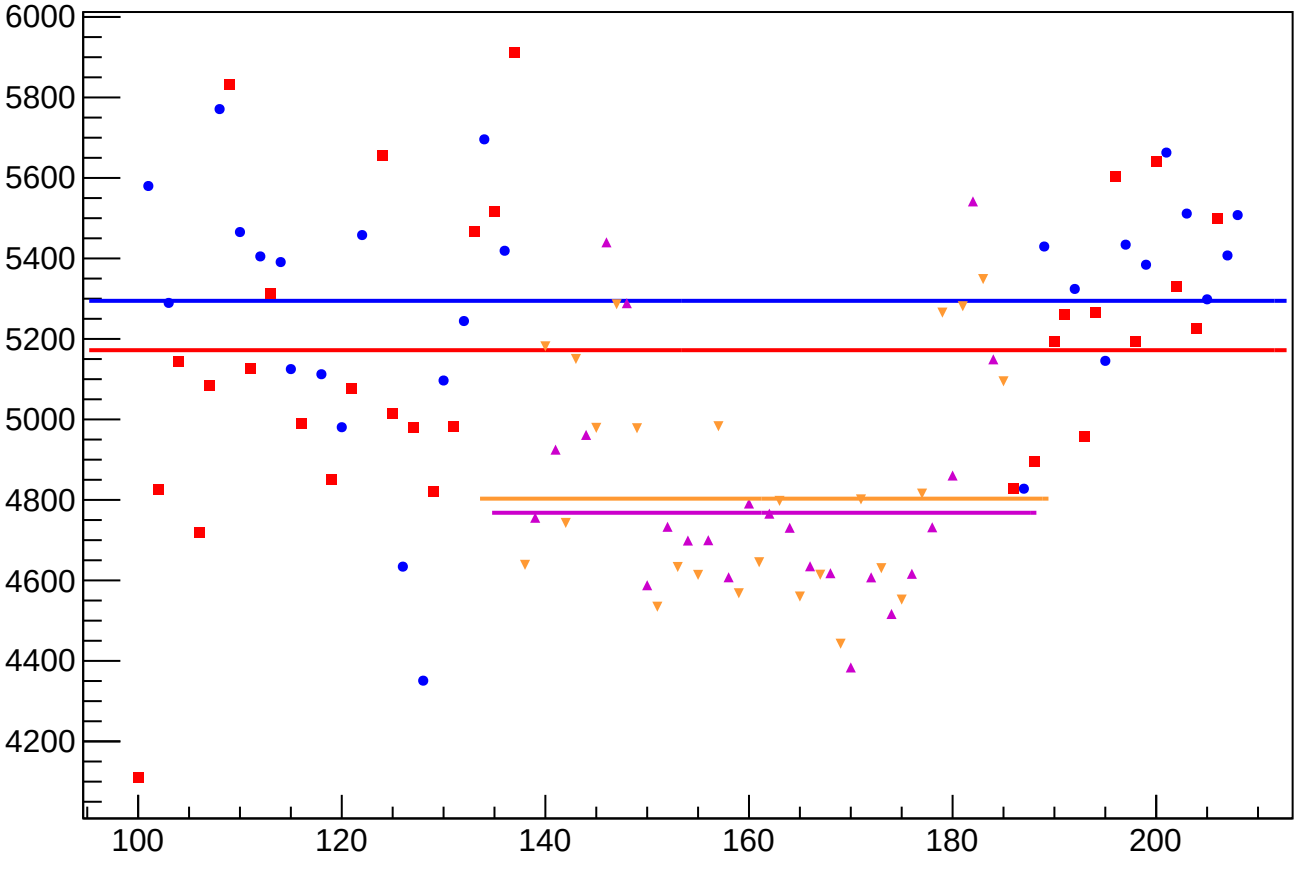
Right: -13021.005+/-0.954 χ^2/NDF: 4326703888.4/

In: -9277.803+/-0.881 χ^2/NDF:2703053489.7/49

Out: -7437.135+/-0.855 χ^2/NDF:3666741031.5/55

All: -8330.152+/-0.614 χ^2/NDF: 6372041772

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5294.671+/-0.976 χ^2/NDF: 100819.9/26

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5172.022+/-0.933 χ^2/NDF: 104202.5/30

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

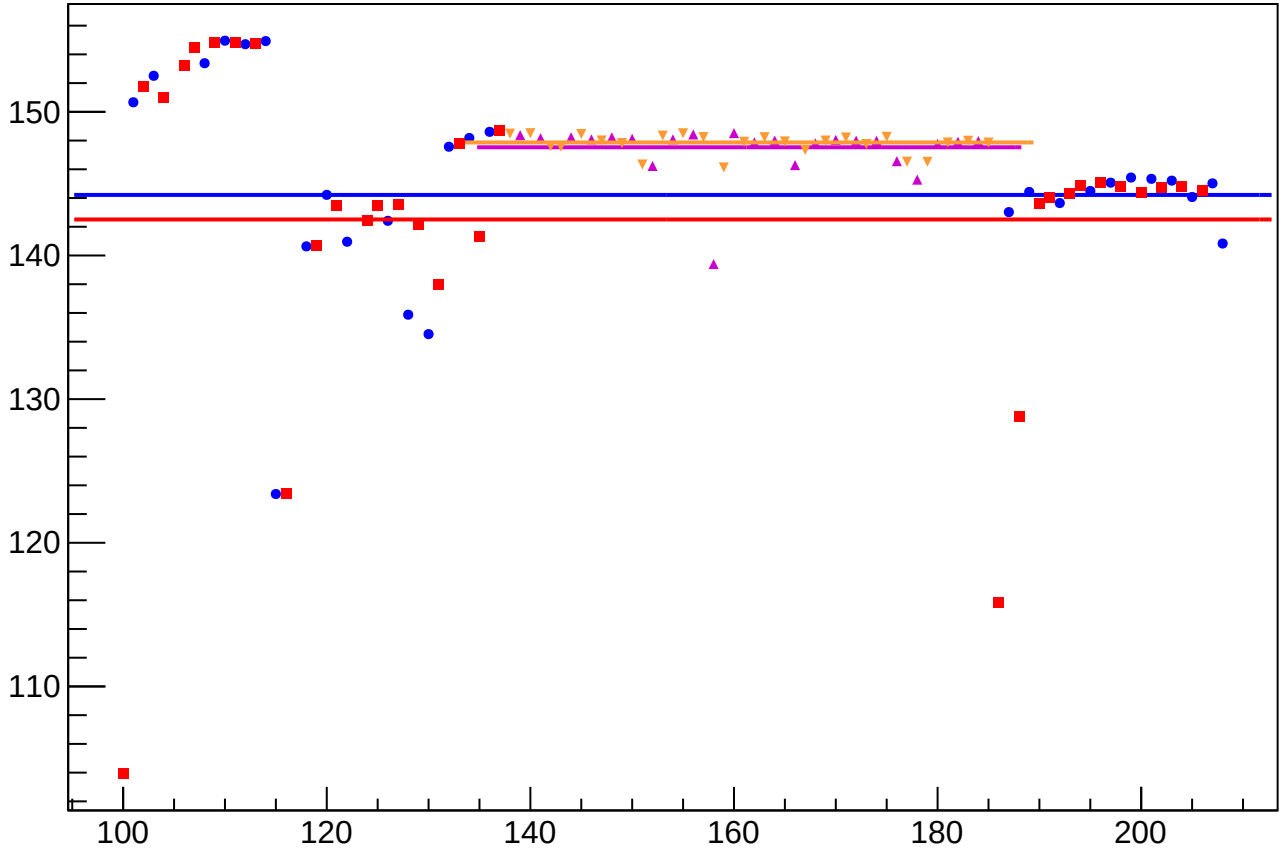
Right: 5230.579+/-0.674 χ^2/NDF: 213275.6/57

In: 4982.638+/-0.623 χ^2/NDF:375701.0/49

Out: 4958.169+/-0.605 χ^2/NDF:309537.4/55

All: 4970.041+/-0.434 χ^2/NDF: 686032.7/105

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.216+/-0.000 χ^2/NDF: 3808371697.0/26

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.507+/-0.000 χ^2/NDF: 7523816319.2/30

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

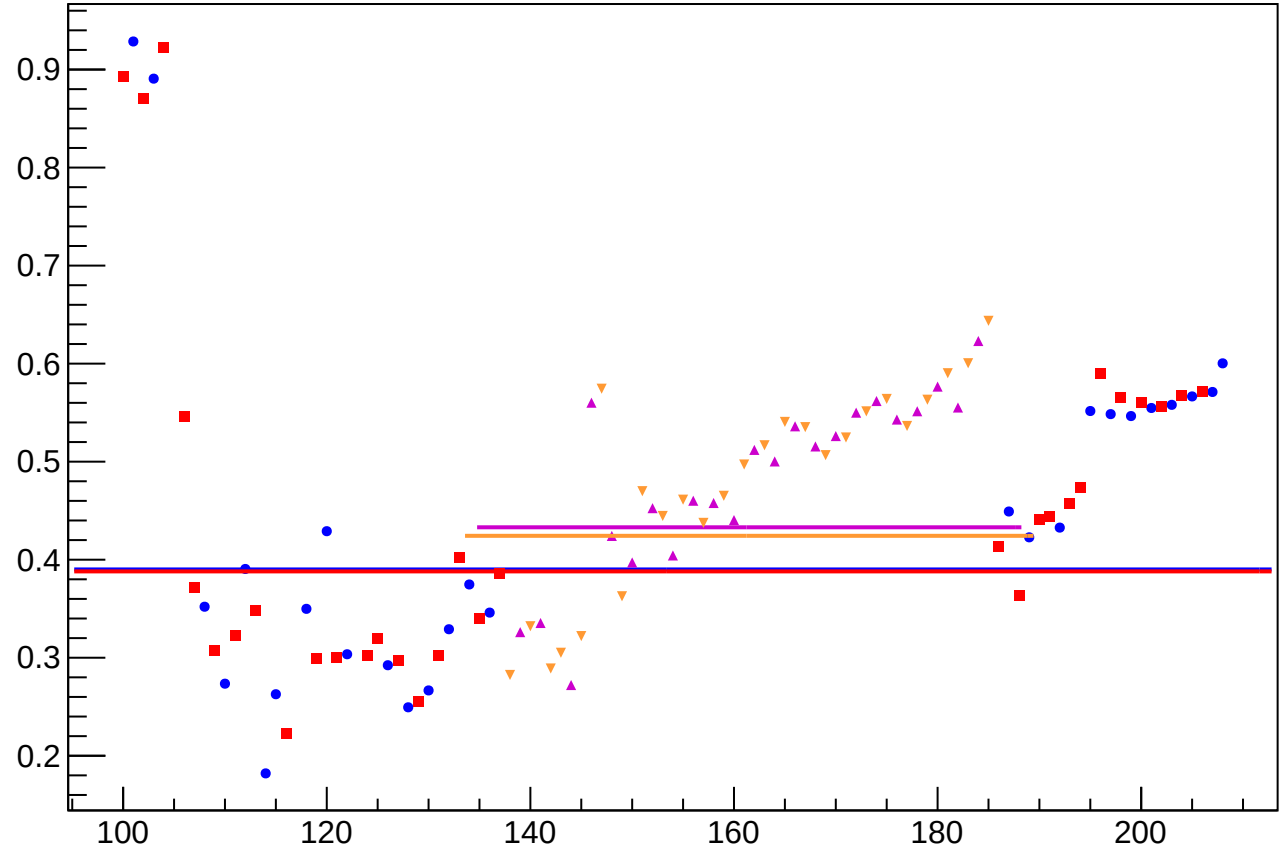
Right: 143.335+/-0.000 χ^2/NDF: 11463400185.0/57

In: 145.899+/-0.000 χ^2/NDF:4602398906.9/49

Out: 145.261+/-0.000 χ^2/NDF:8938960030.0/55

All: 145.568+/-0.000 χ^2/NDF: 13578837888.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.390+/-0.000 χ^2/NDF: 3221544.3/26

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.388+/-0.000 χ^2/NDF: 2894155.2/30

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

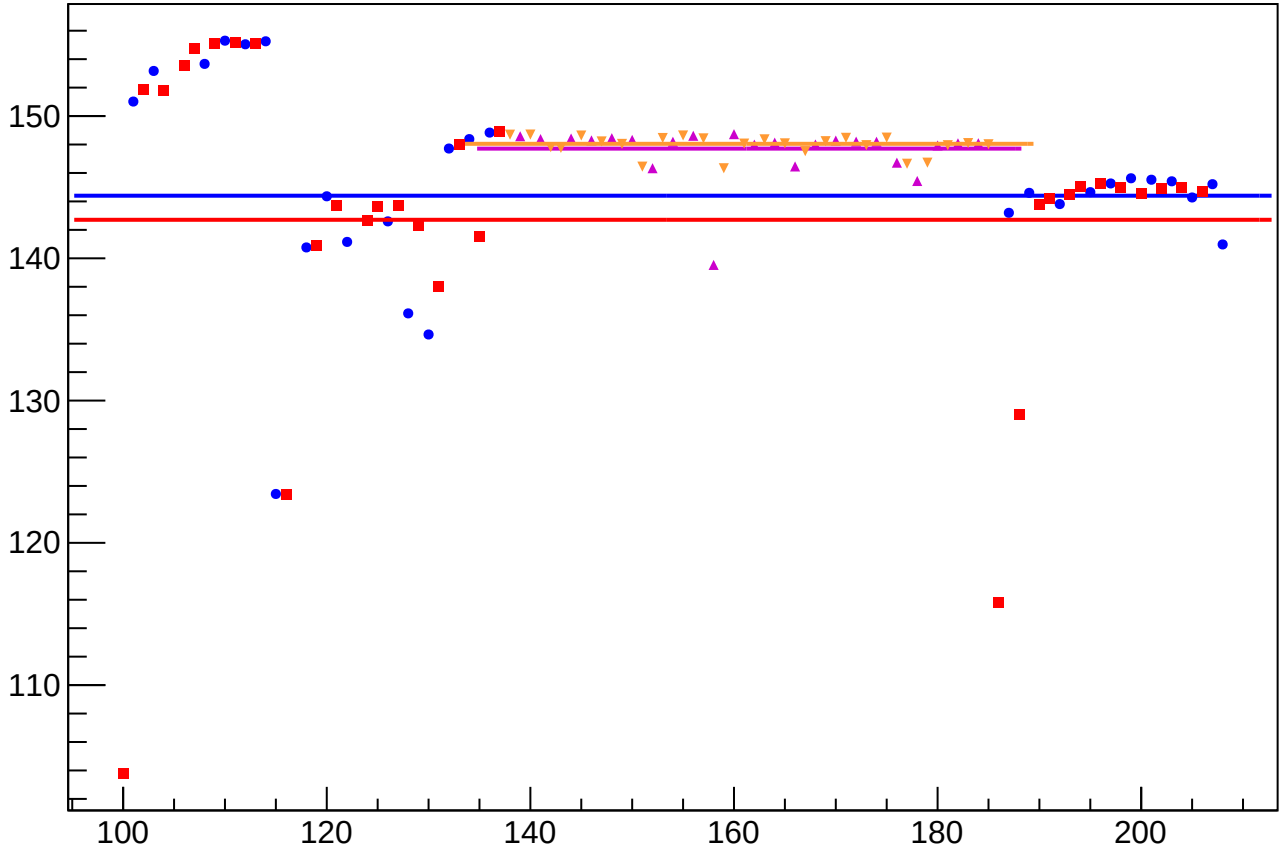
Right: 0.389+/-0.000 χ^2/NDF: 6116057.5/57

In: 0.412+/-0.000 χ^2/NDF:5156356.7/49

Out: 0.407+/-0.000 χ^2/NDF:5280477.4/55

All: 0.409+/-0.000 χ^2/NDF: 10441779.4/105

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.402+/-0.000 χ^2/NDF: 3802770847.5/26

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.708+/-0.000 χ^2/NDF: 7458493279.0/30

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

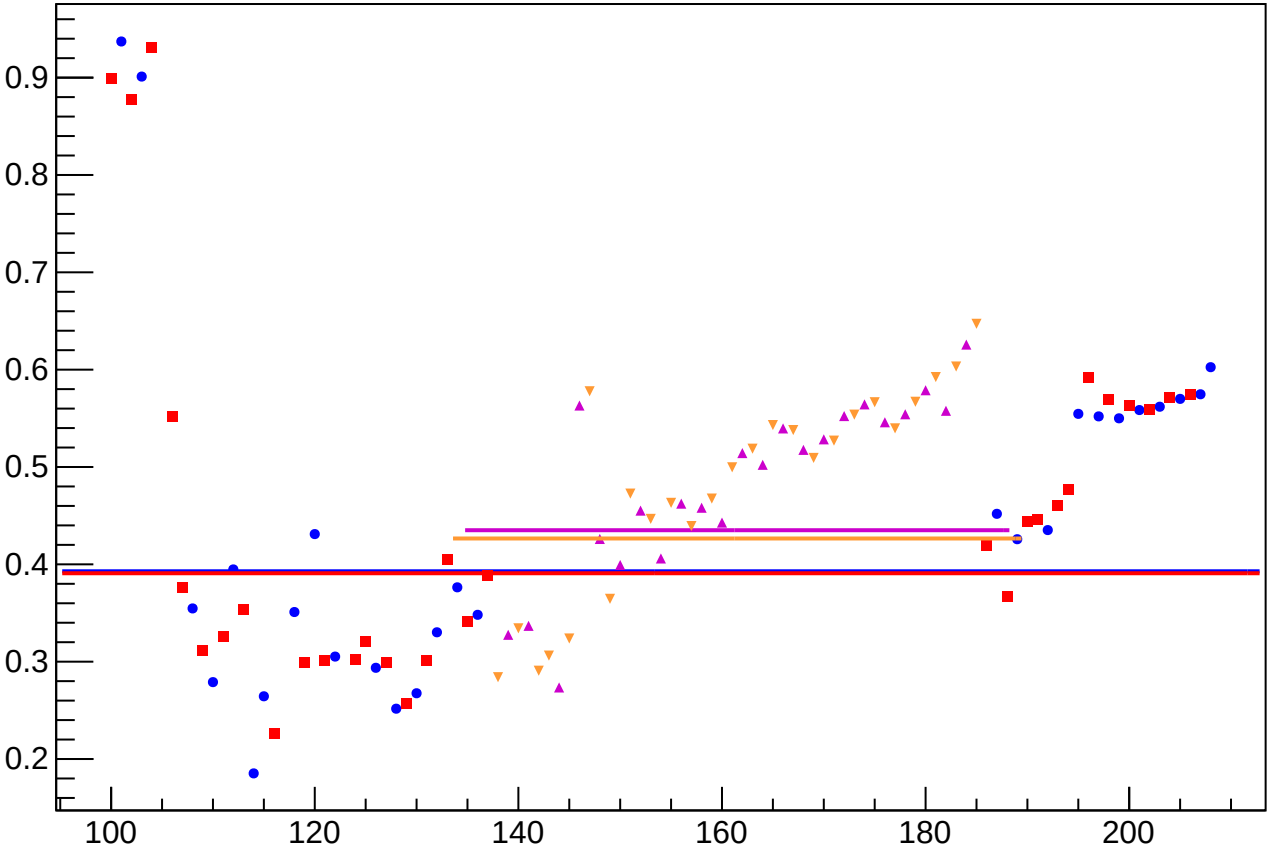
Right: 143.529+/-0.000 χ^2/NDF: 11388415448.4/57

In: 146.085+/-0.000 χ^2/NDF:4593772961.8/49

Out: 145.456+/-0.000 χ^2/NDF:8846689007.1/55

All: 145.759+/-0.000 χ^2/NDF: 13476464527.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.393+/-0.000 χ^2/NDF: 3208405.4/26

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.391+/-0.000 χ^2/NDF: 2888330.2/30

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

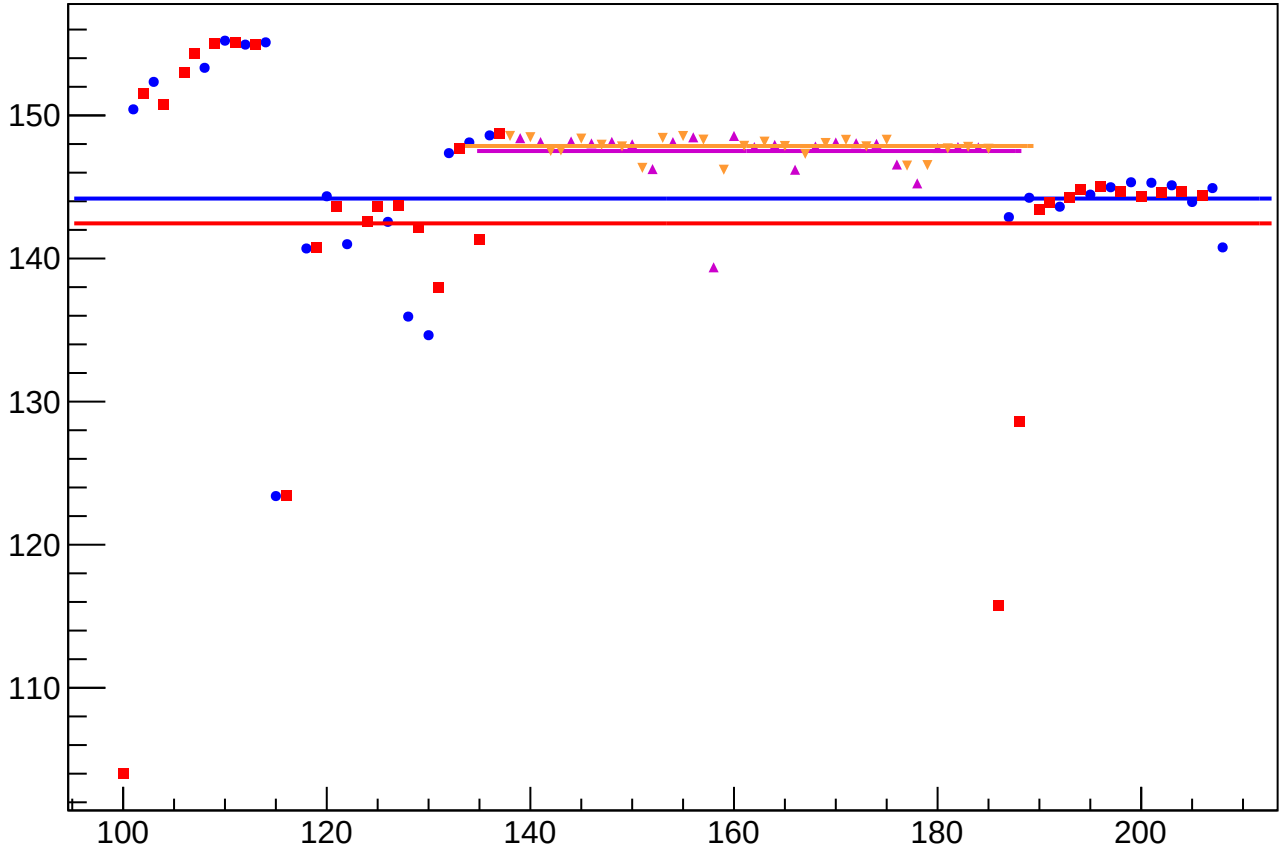
Right: 0.392+/-0.000 χ^2/NDF: 6097095.0/57

In: 0.414+/-0.000 χ^2/NDF:5133999.8/49

Out: 0.409+/-0.000 χ^2/NDF:5265926.8/55

All: 0.412+/-0.000 χ^2/NDF: 10404682.6/105

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

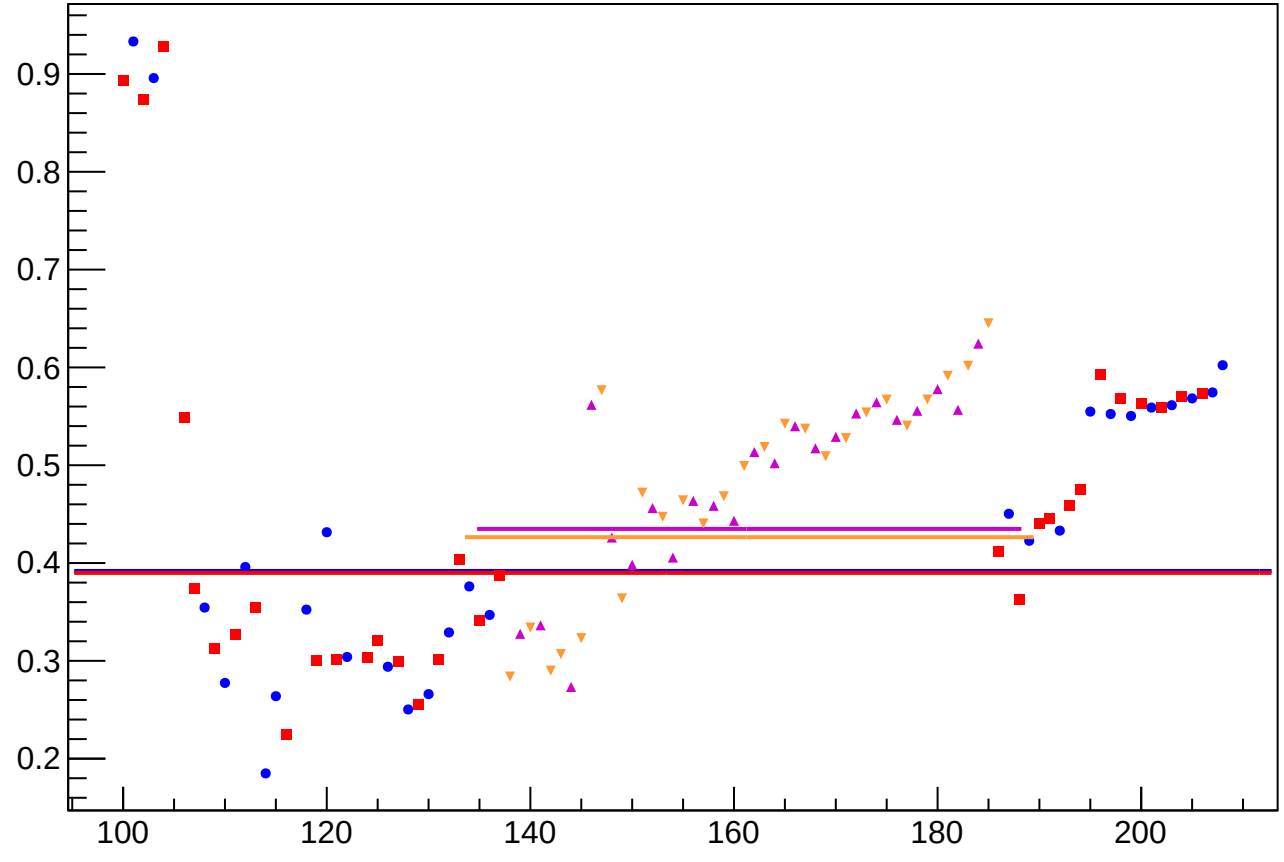
Right: 143.296+/-0.000 χ^2/NDF: 11448879022.5/57

In: 145.877+/-0.000 χ^2/NDF:4557418325.9/49

Out: 145.232+/-0.000 χ^2/NDF:8974022516.1/55

All: 145.542+/-0.000 χ^2/NDF: 13569370840.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

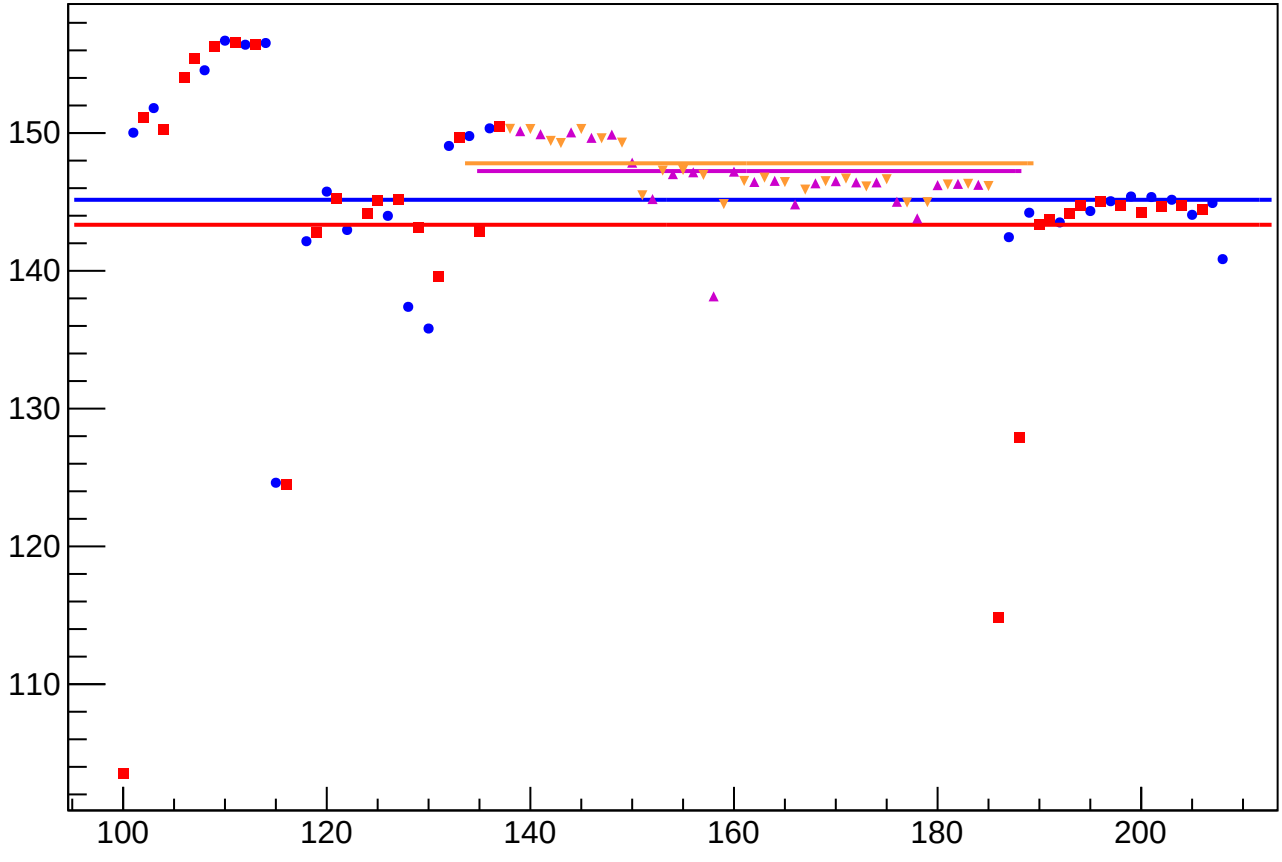
Right: 0.391+/-0.000 χ^2/NDF: 6109642.5/57

In: 0.414+/-0.000 χ^2/NDF:5159886.0/49

Out: 0.409+/-0.000 χ^2/NDF:5271471.9/55

All: 0.411+/-0.000 χ^2/NDF: 10436056.7/105

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.156+/-0.000 χ^2/NDF: 3561315126.8/26

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.343+/-0.000 χ^2/NDF: 7614555066.2/30

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

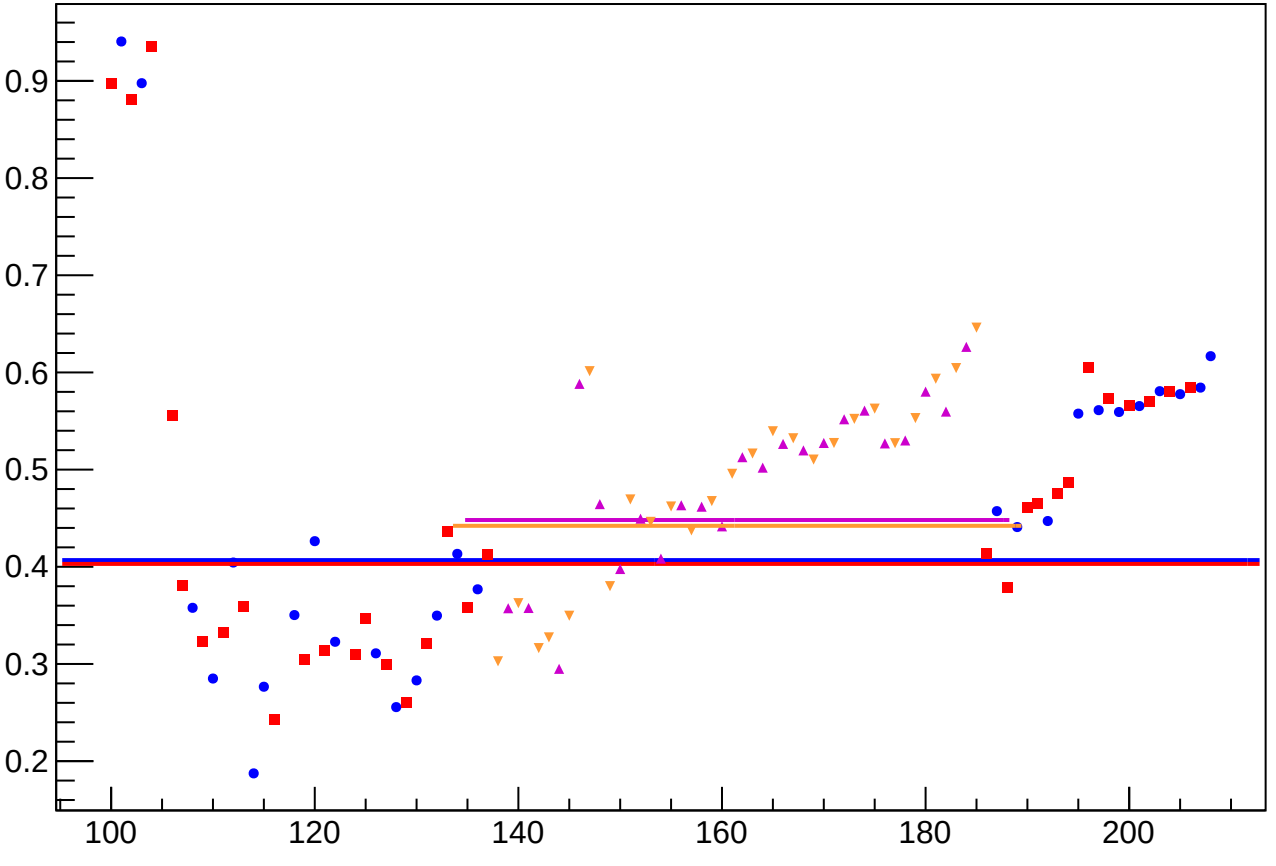
Right: 144.217+/-0.000 χ^2/NDF: 11312696646.4/57

In: 146.227+/-0.000 χ^2/NDF:4359671294.2/49

Out: 145.638+/-0.000 χ^2/NDF:8825410865.5/55

All: 145.922+/-0.000 χ^2/NDF: 13214847183.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.407+/-0.000 χ^2/NDF: 3053769.1/26

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.403+/-0.000 χ^2/NDF: 2755183.7/30

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

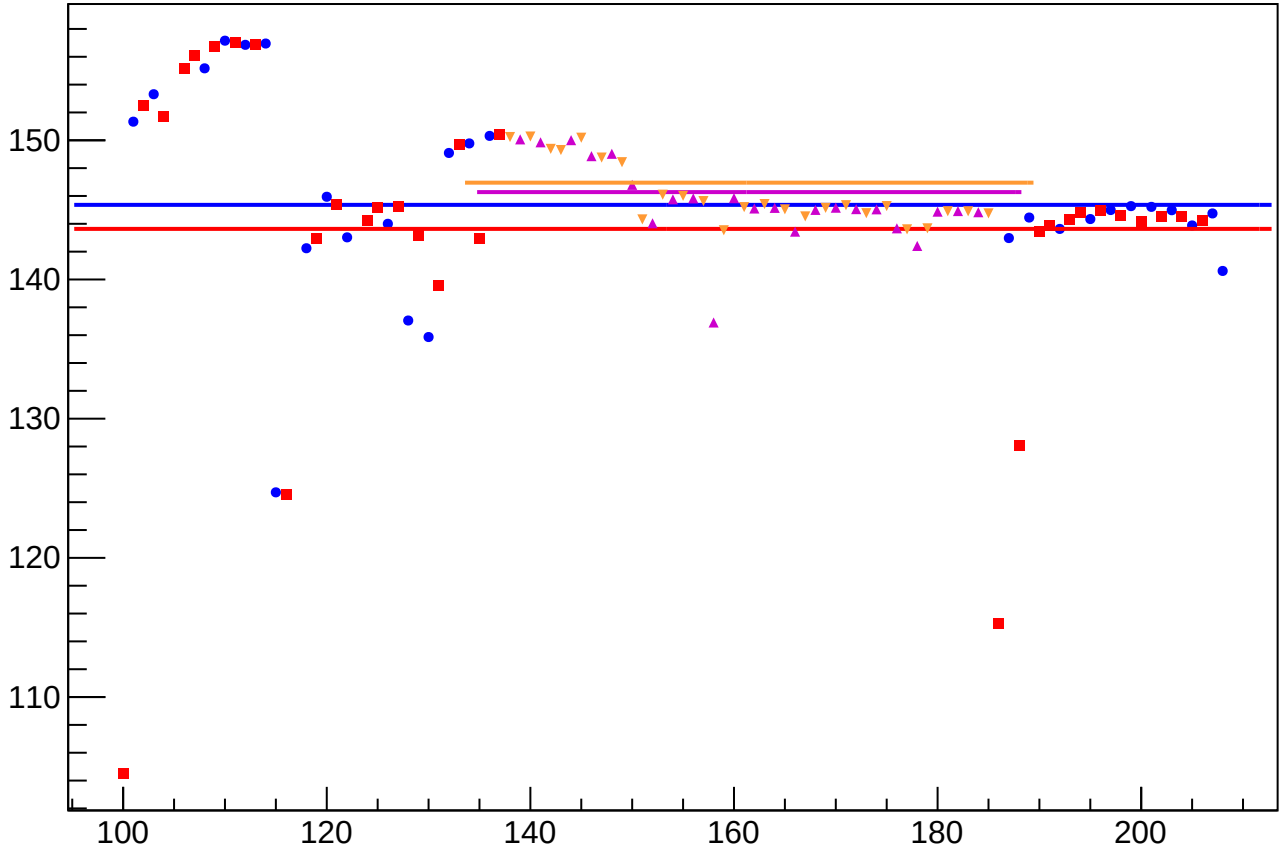
Right: 0.405+/-0.000 χ^2/NDF: 5810233.9/57

In: 0.428+/-0.000 χ^2/NDF:4542215.4/49

Out: 0.423+/-0.000 χ^2/NDF:4595882.9/55

All: 0.426+/-0.000 χ^2/NDF: 9142303.1/105

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.361+/-0.000 χ^2/NDF: 3720748036.0/26

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.635+/-0.000 χ^2/NDF: 7673791057.2/30

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

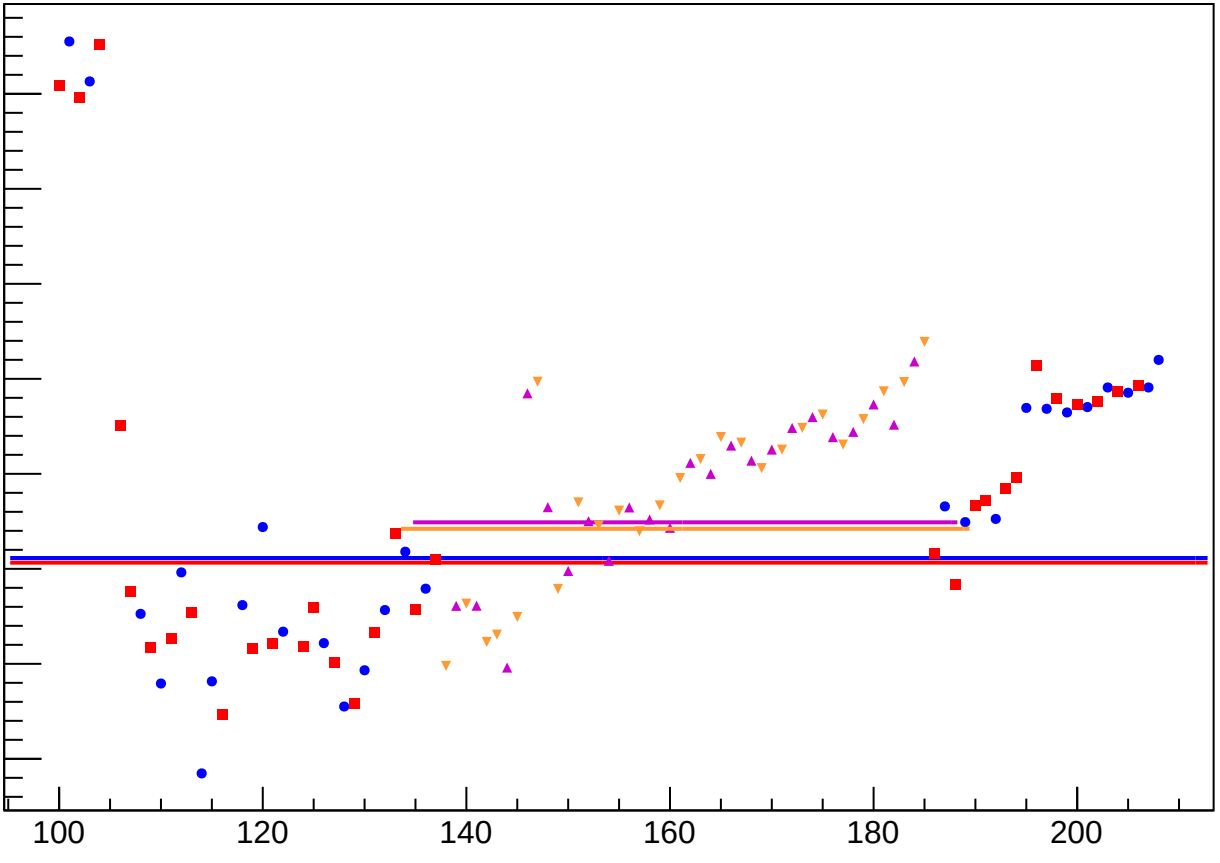
Right: 144.466+/-0.000 χ^2/NDF: 11515723108.4/57

In: 145.837+/-0.000 χ^2/NDF:4580131445.0/49

Out: 145.361+/-0.000 χ^2/NDF:8700923406.9/55

All: 145.590+/-0.000 χ^2/NDF: 13300288618.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.411+/-0.000 χ^2/NDF: 3087896.6/26

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.407+/-0.000 χ^2/NDF: 2783741.0/30

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

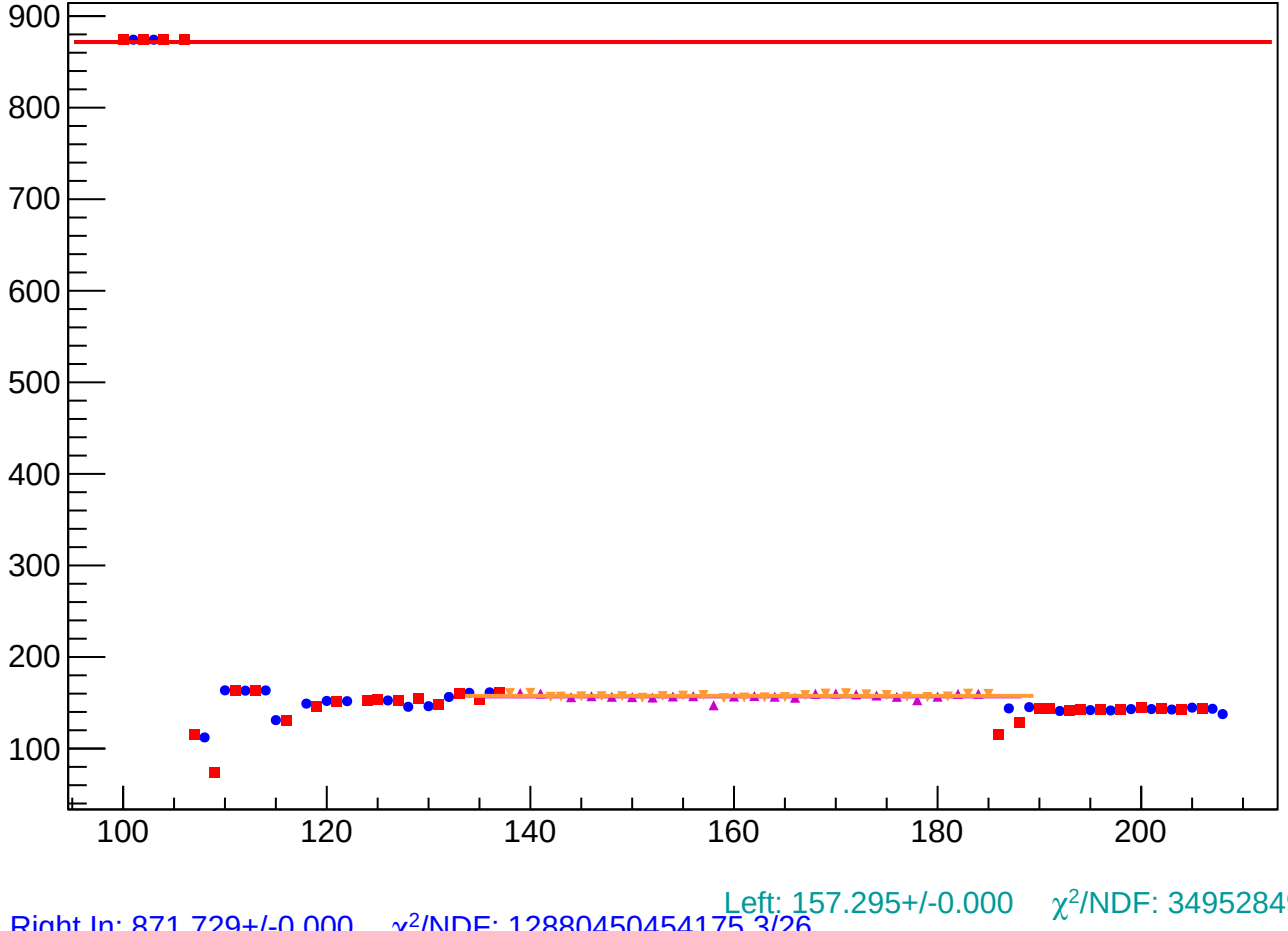
Right: 0.409+/-0.000 χ^2/NDF: 5873575.2/57

In: 0.431+/-0.000 χ^2/NDF:4503420.2/49

Out: 0.425+/-0.000 χ^2/NDF:4571715.3/55

All: 0.428+/-0.000 χ^2/NDF: 9081011.2/105

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.729+/-0.000 χ^2/NDF: 12880450454175.3/26

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.644+/-0.000 χ^2/NDF: 15385034286896.8/30

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

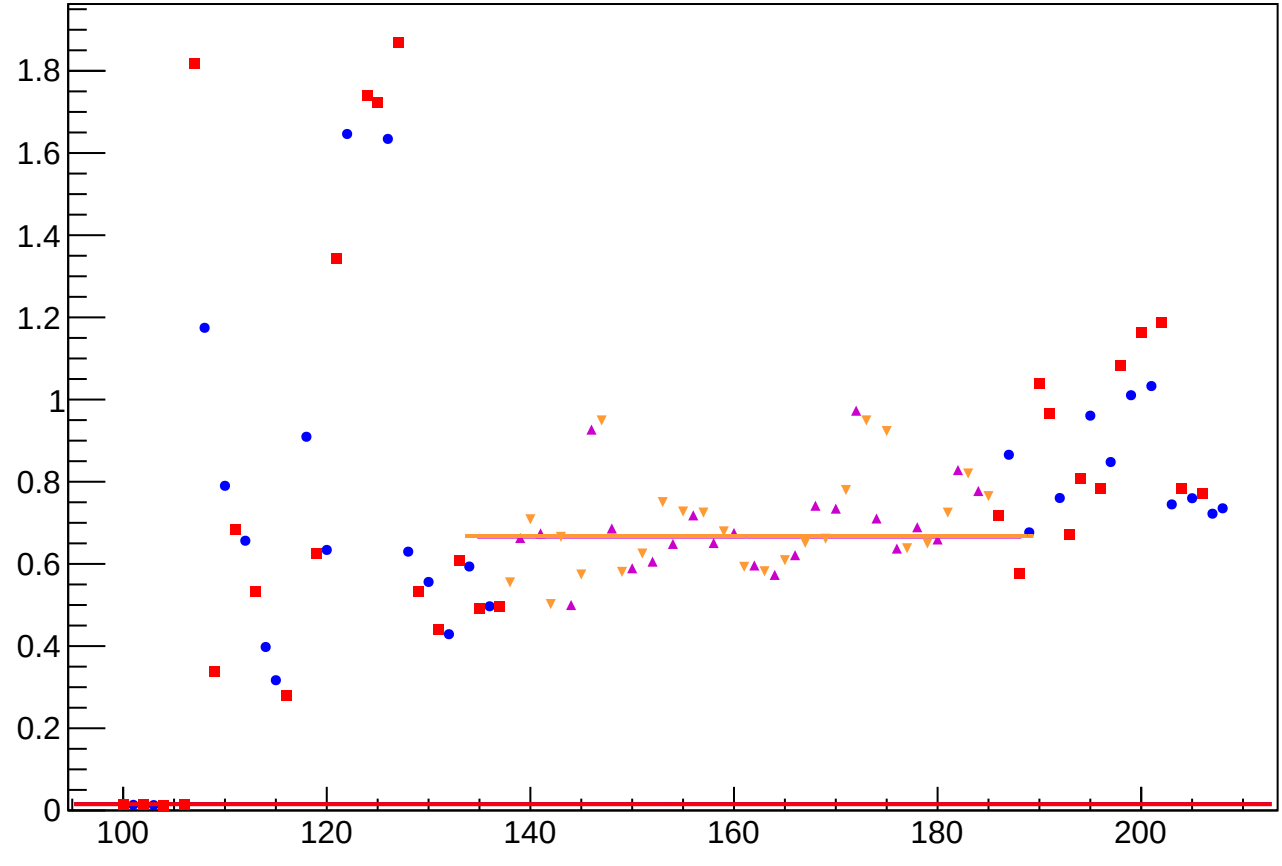
Right: 871.684+/-0.000 χ^2/NDF: 28265511997770.9

In: 868.497+/-0.000 χ^2/NDF:29360830351536.3/4

Out: 868.713+/-0.000 χ^2/NDF:32590252810760.3

All: 868.613+/-0.000 χ^2/NDF: 619512622953

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 22954600.3/26

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 23740678.1/30

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

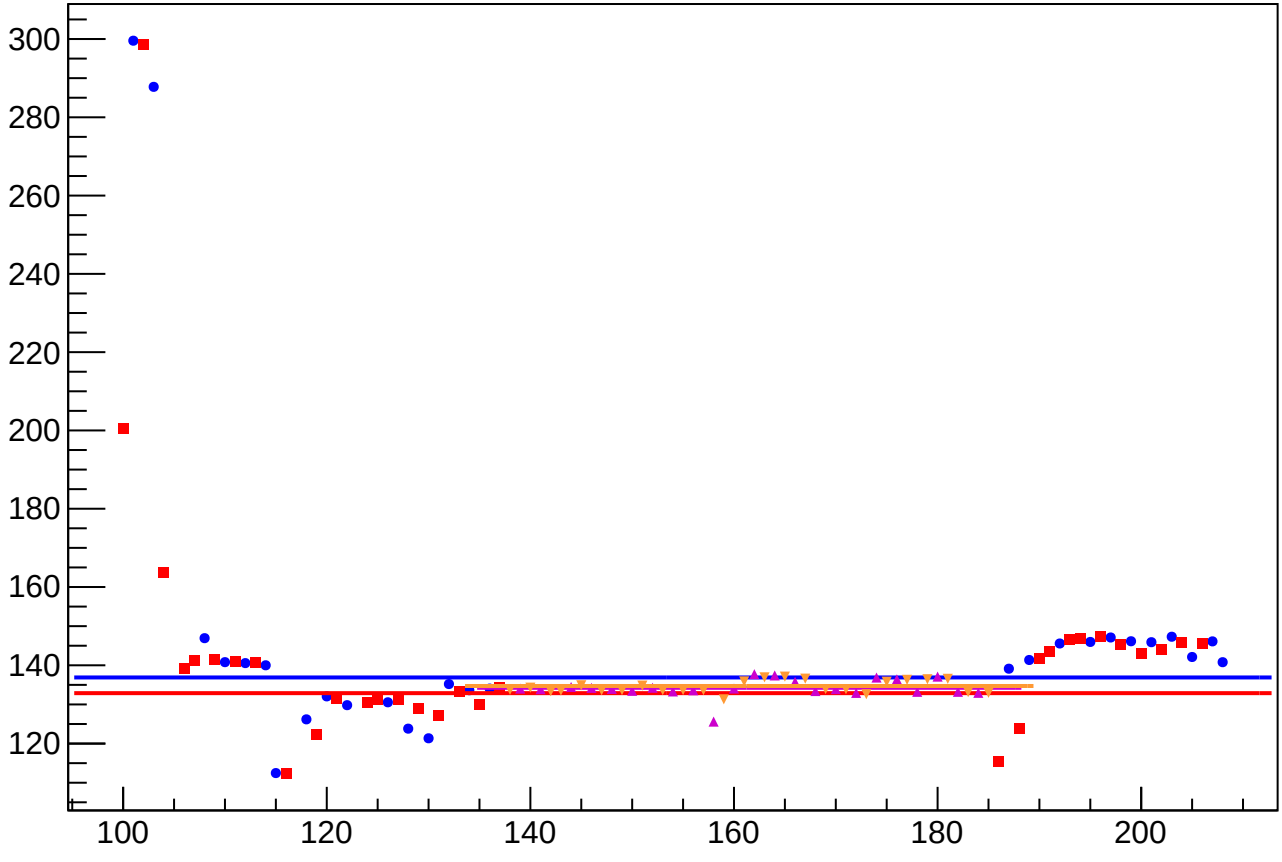
Right: 0.015+/-0.000 χ^2/NDF: 46695699.9/57

In: 0.018+/-0.000 χ^2/NDF:50828565.2/49

Out: 0.018+/-0.000 χ^2/NDF:53167511.9/55

All: 0.018+/-0.000 χ^2/NDF: 103997988.1/105

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 136.894+/-0.000 χ^2/NDF: 3477891474.5/26

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.885+/-0.000 χ^2/NDF: 4981191413.9/30

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

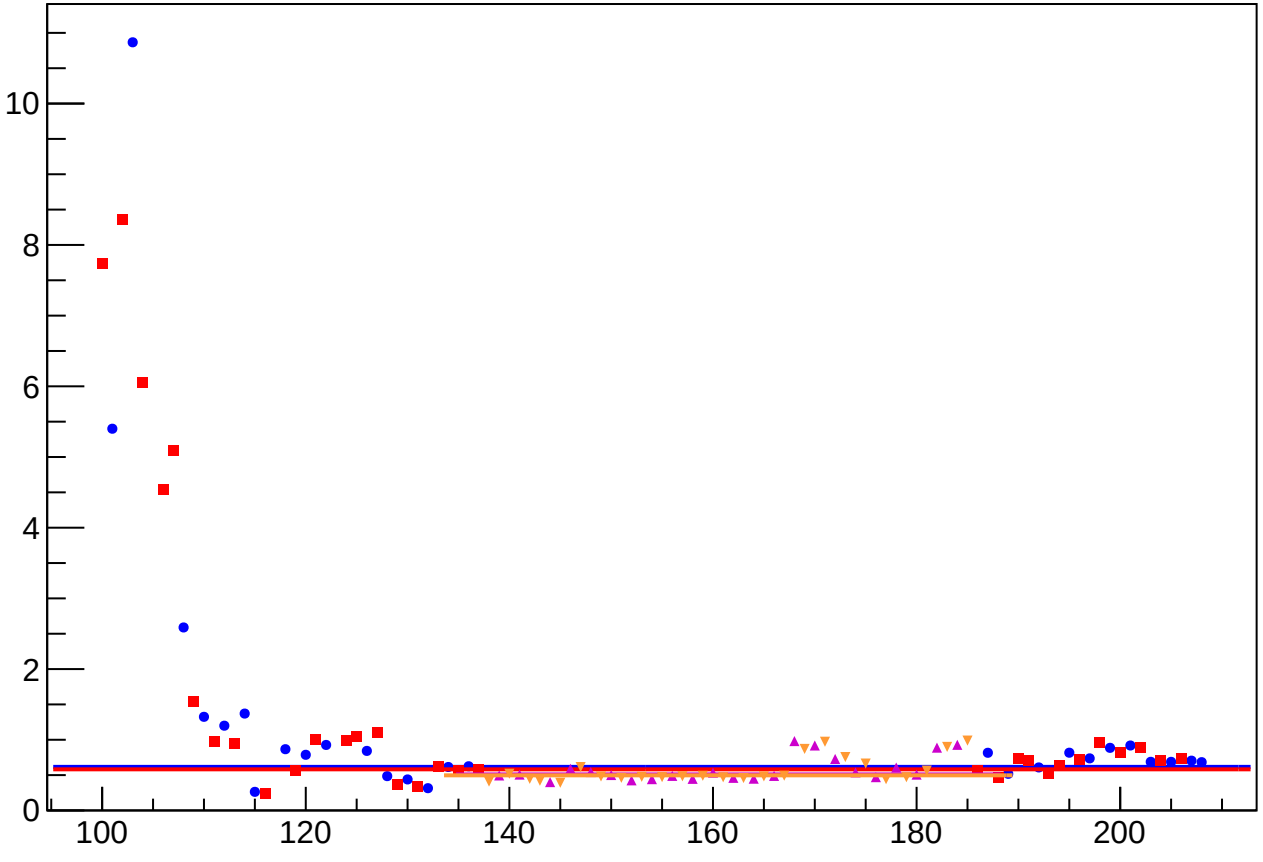
Right: 134.763+/-0.000 χ^2/NDF: 8695636218.5/57

In: 135.080+/-0.000 χ^2/NDF:4052154331.3/49

Out: 134.129+/-0.000 χ^2/NDF:5212595082.5/55

All: 134.579+/-0.000 χ^2/NDF: 9306799786.8

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.617+/-0.000 χ^2/NDF: 4900218.1/26

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.582+/-0.000 χ^2/NDF: 5947824.1/30

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

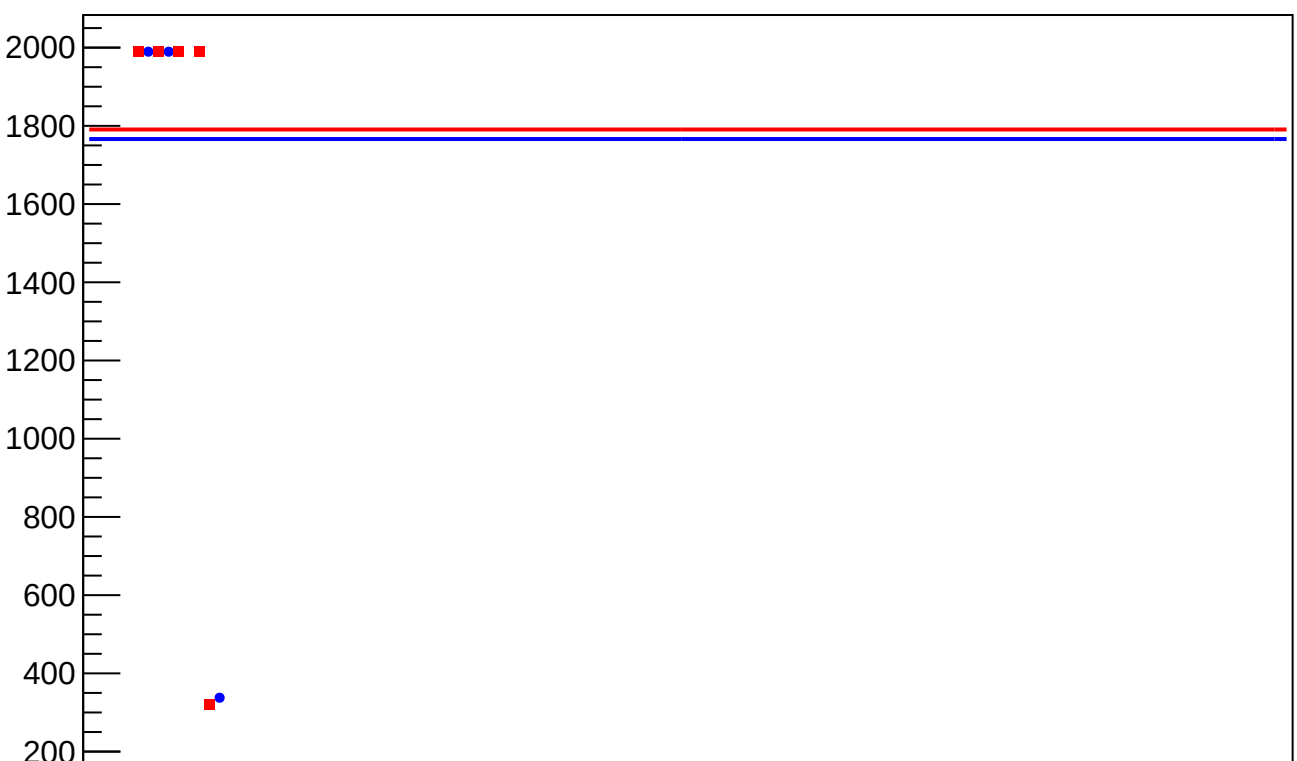
Right: 0.598+/-0.000 χ^2/NDF: 10883576.8/57

In: 0.543+/-0.000 χ^2/NDF:6820300.0/49

Out: 0.524+/-0.000 χ^2/NDF:7828585.8/55

All: 0.533+/-0.000 χ^2/NDF: 14683003.1/105

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1766.312+/-0.000 χ^2/NDF: 216969138711648.6/26

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1790.680+/-0.000 χ^2/NDF: 229314531910712.4/30

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

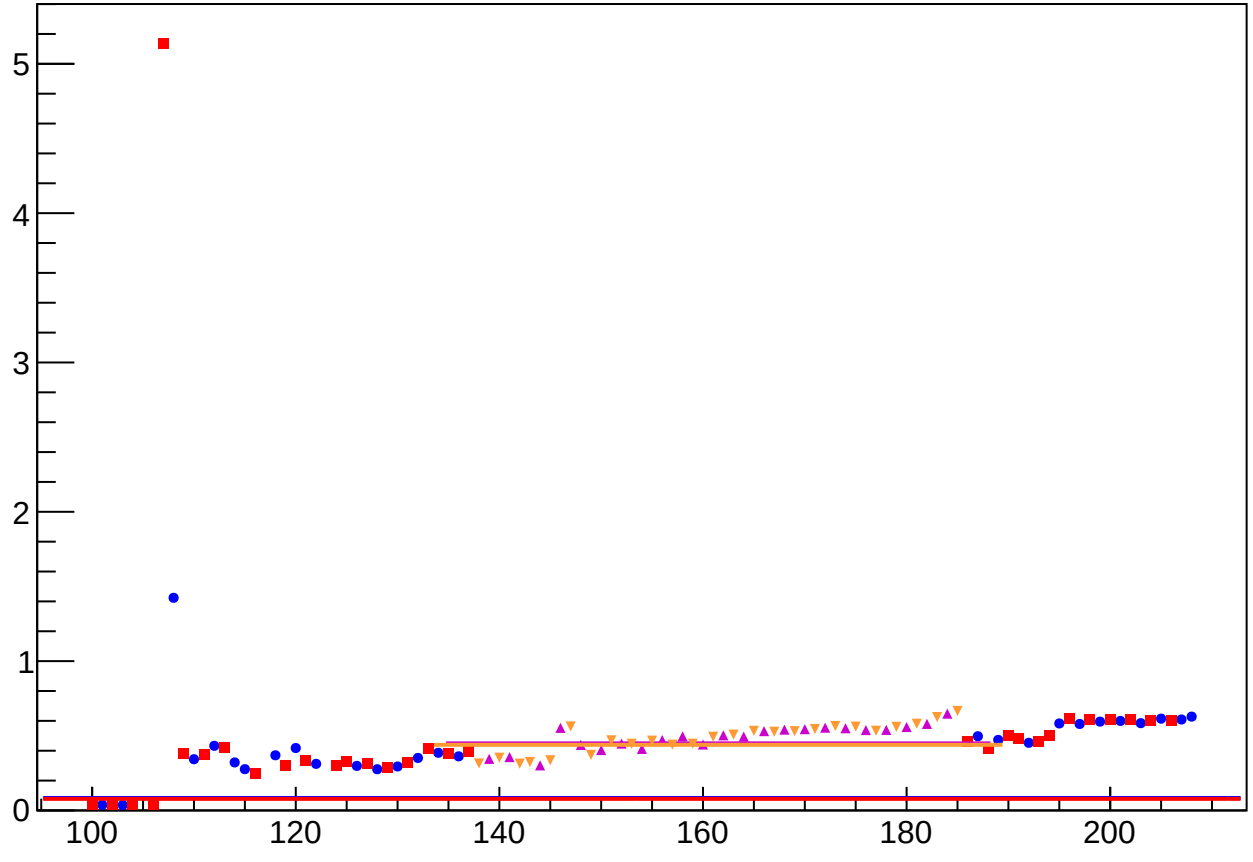
Right: 1779.440+/-0.000 χ^2/NDF: 44647438067905

In: 1563.285+/-0.000 χ^2/NDF:414131759594038.

Out: 1596.187+/-0.000 χ^2/NDF:453186055321140

All: 1580.945+/-0.000 χ^2/NDF: 8677135340

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF: 20658056.7/26

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.078+/-0.000 χ^2/NDF: 20993853.9/30

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

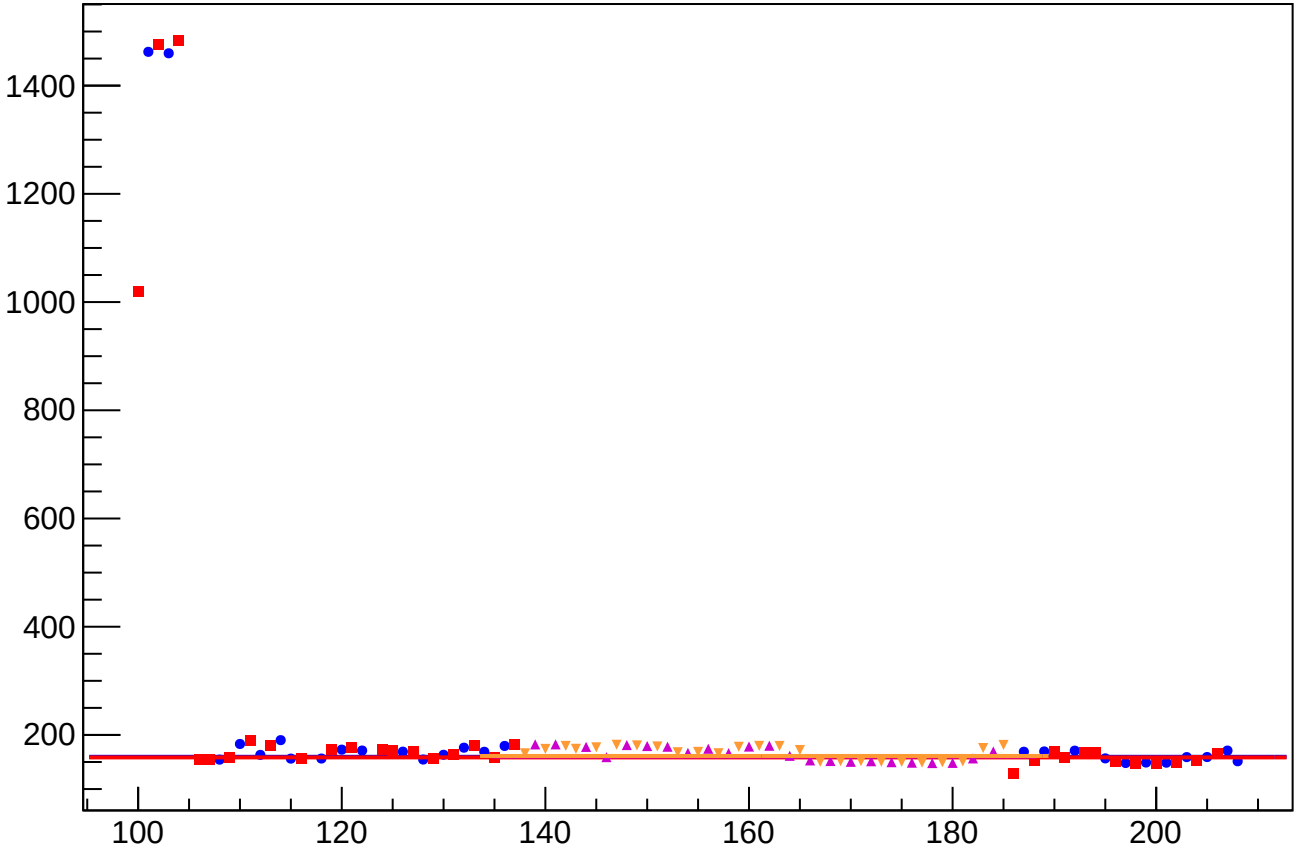
Right: 0.080+/-0.000 χ^2/NDF: 41671633.6/57

In: 0.129+/-0.000 χ^2/NDF:41894088.6/49

Out: 0.120+/-0.000 χ^2/NDF:44198100.2/55

All: 0.124+/-0.000 χ^2/NDF: 86146088.1/105

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.586+/-0.000 χ^2/NDF: 15853866678.3/26

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.476+/-0.000 χ^2/NDF: 18187760514.8/30

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

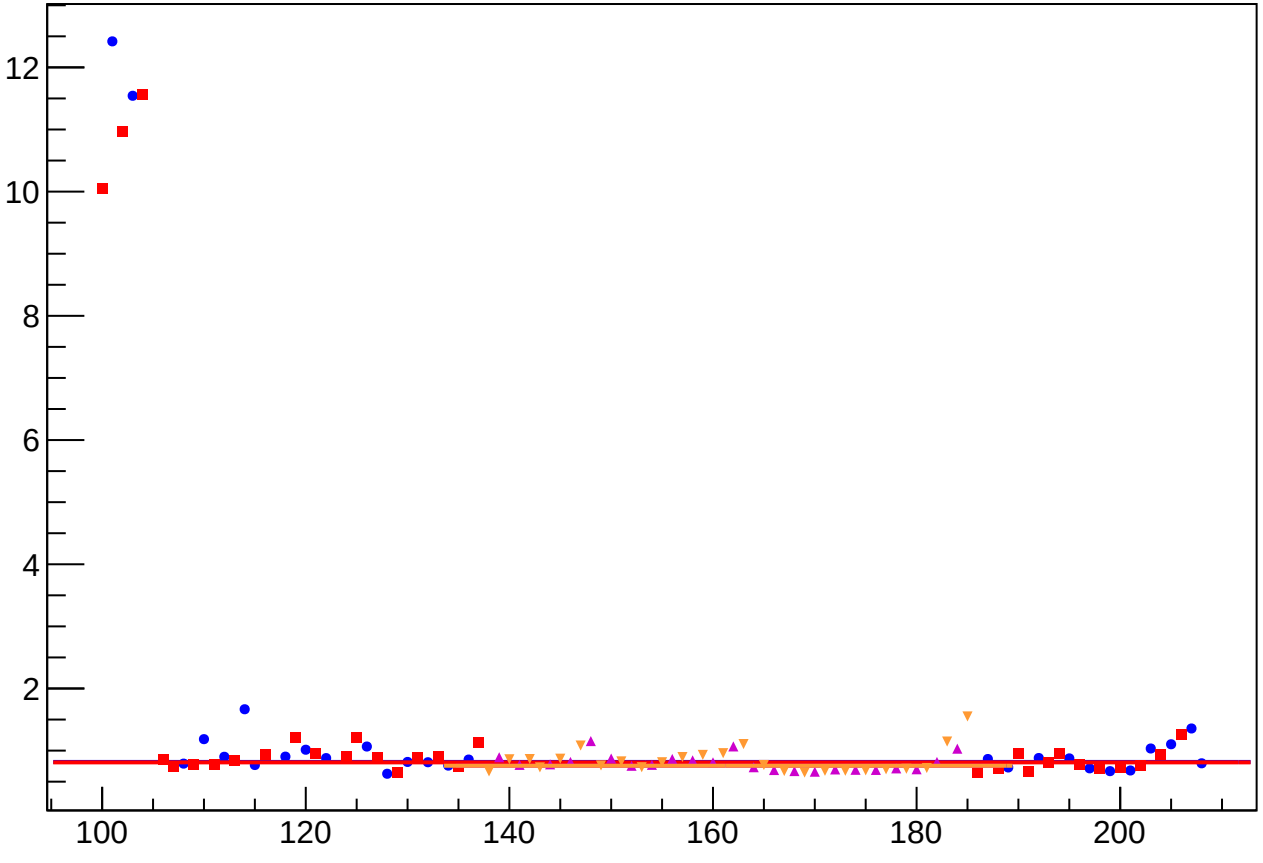
Right: 159.010+/-0.000 χ^2/NDF: 34051597469.5/57

In: 159.919+/-0.000 χ^2/NDF:19595126289.8/49

Out: 160.060+/-0.000 χ^2/NDF:21998051856.5/55

All: 159.991+/-0.000 χ^2/NDF: 41593573552.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.818+/-0.000 χ^2/NDF: 2854415.4/26

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.811+/-0.000 χ^2/NDF: 2616239.0/30

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

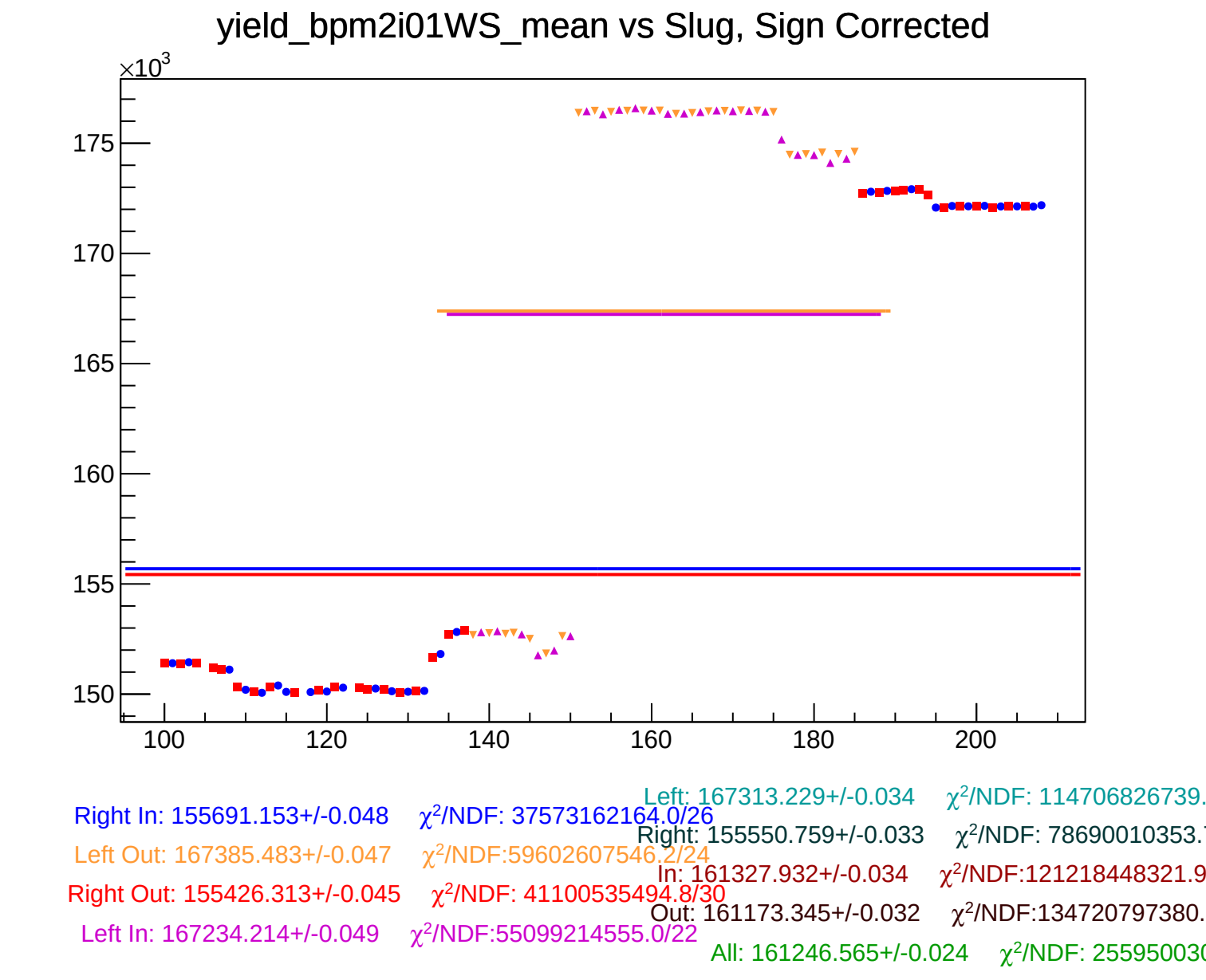
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.814+/-0.000 χ^2/NDF: 5471493.1/57

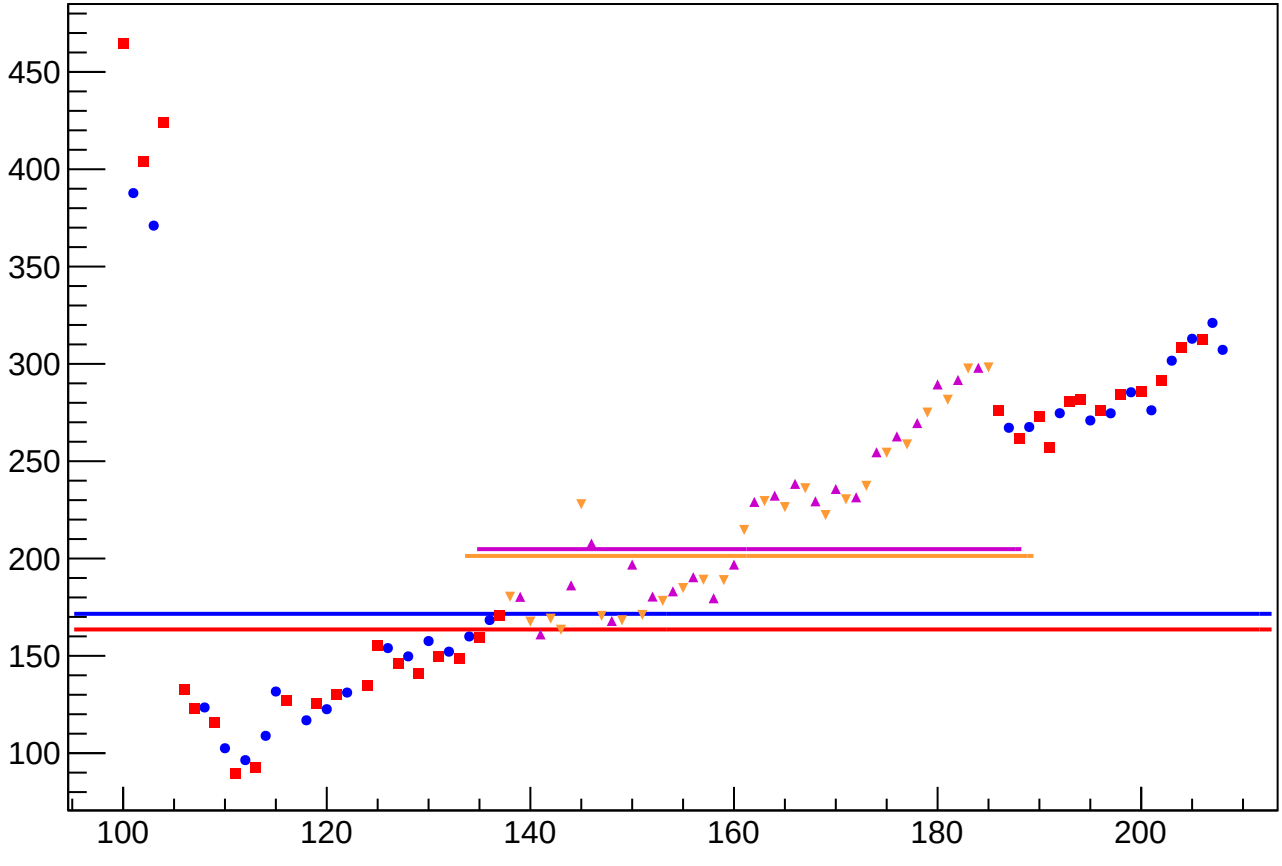
In: 0.780+/-0.000 χ^2/NDF:3400027.1/49

Out: 0.778+/-0.000 χ^2/NDF:3425197.9/55

All: 0.779+/-0.000 χ^2/NDF: 6825359.9/105


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
Right In: 155691.153+/-0.048 χ²/NDF: 37573162164.0/26
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 155426.313+/-0.045 χ²/NDF: 41100535494.8/30
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 155550.759+/-0.033 χ²/NDF: 78690010353.
In: 161327.932+/-0.034 χ²/NDF:121218448321.9
Out: 161173.345+/-0.032 χ²/NDF:134720797380.
All: 161246.565+/-0.024 χ²/NDF: 25595003

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

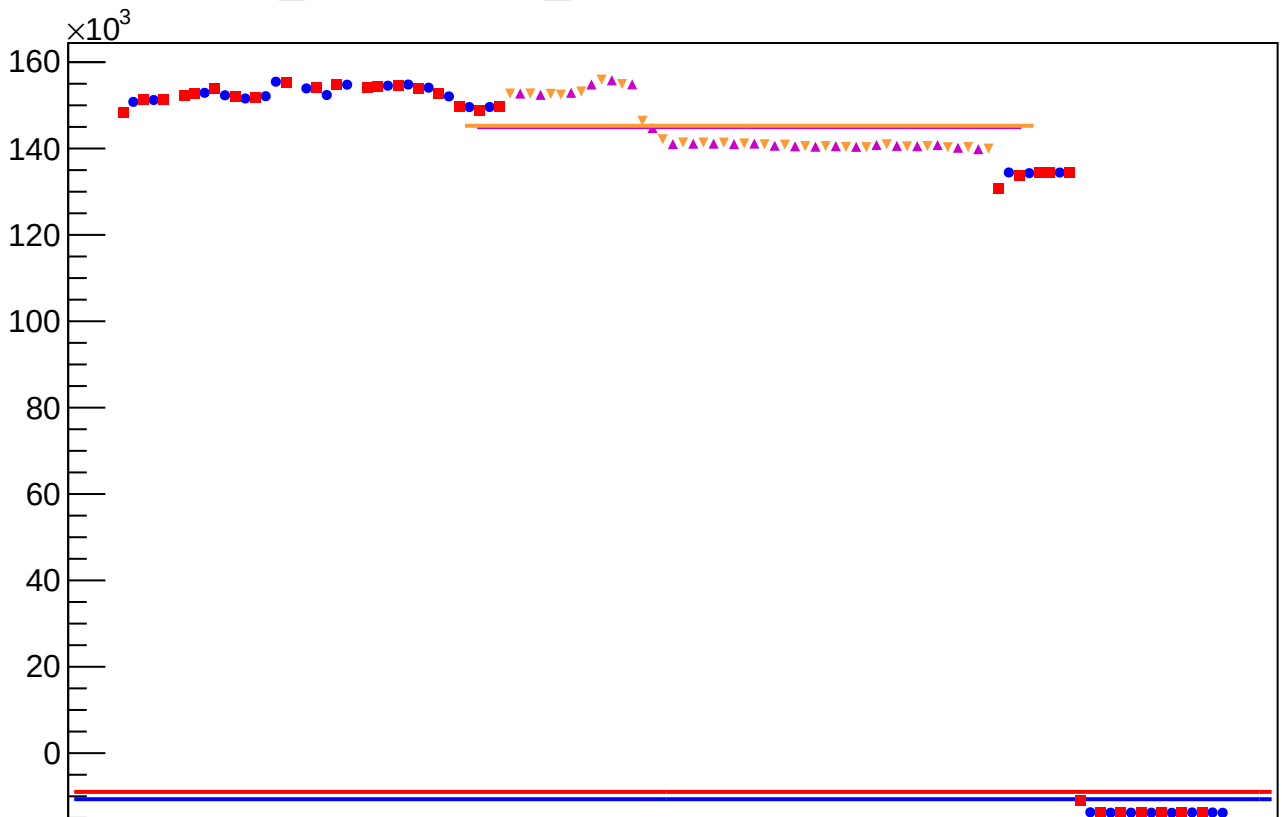
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 167.330+/-0.023 χ^2/NDF: 10898873.7/57

In: 187.820+/-0.024 χ^2/NDF:6634242.5/49

Out: 181.707+/-0.023 χ^2/NDF:7670469.5/55

All: 184.602+/-0.017 χ^2/NDF: 14338442.9/10



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

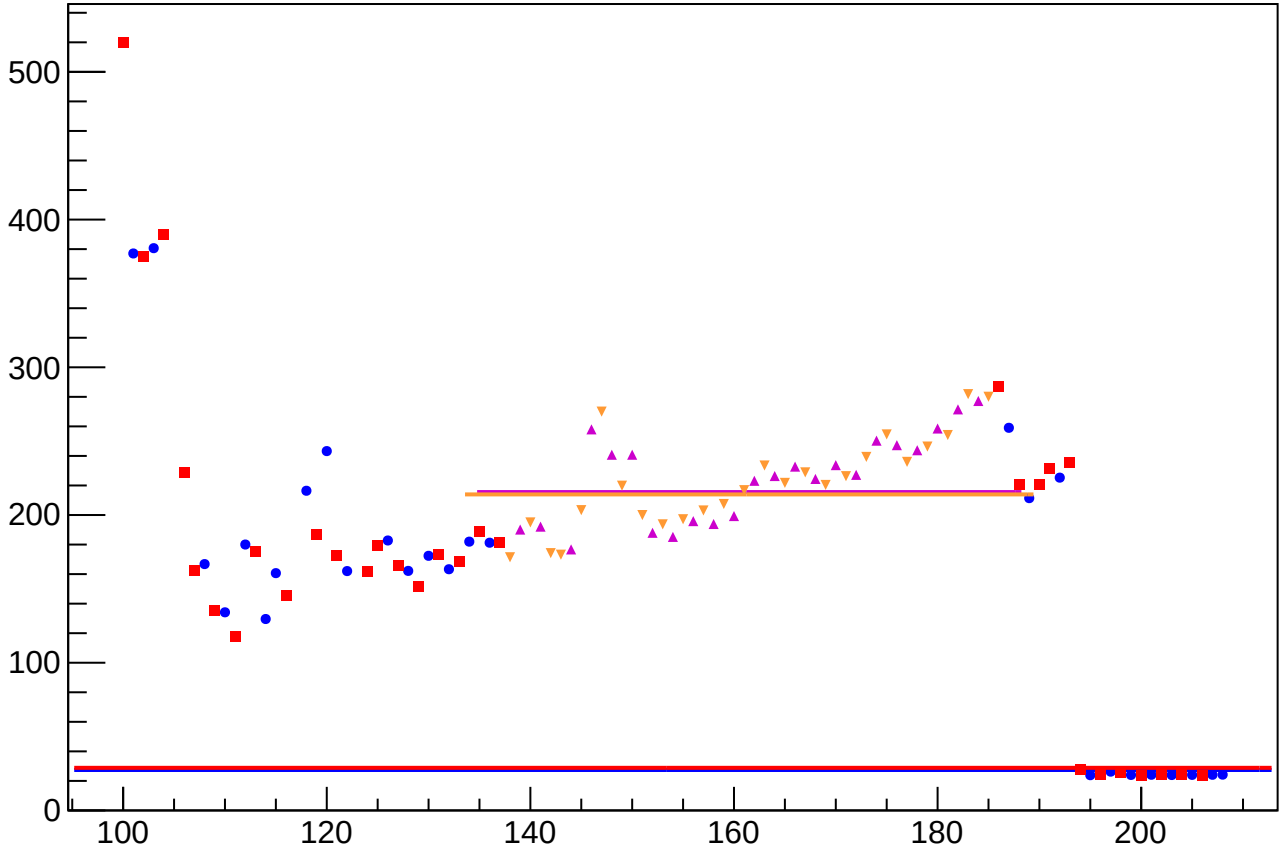
Right: -9895.525+/-0.007 χ^2/NDF: 1299122424533

In: -5778.601+/-0.009 χ^2/NDF:14831552432253.2

Out: -2722.730+/-0.010 χ^2/NDF:16477261286041

All: -4389.268+/-0.007 χ^2/NDF: 3136040070

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

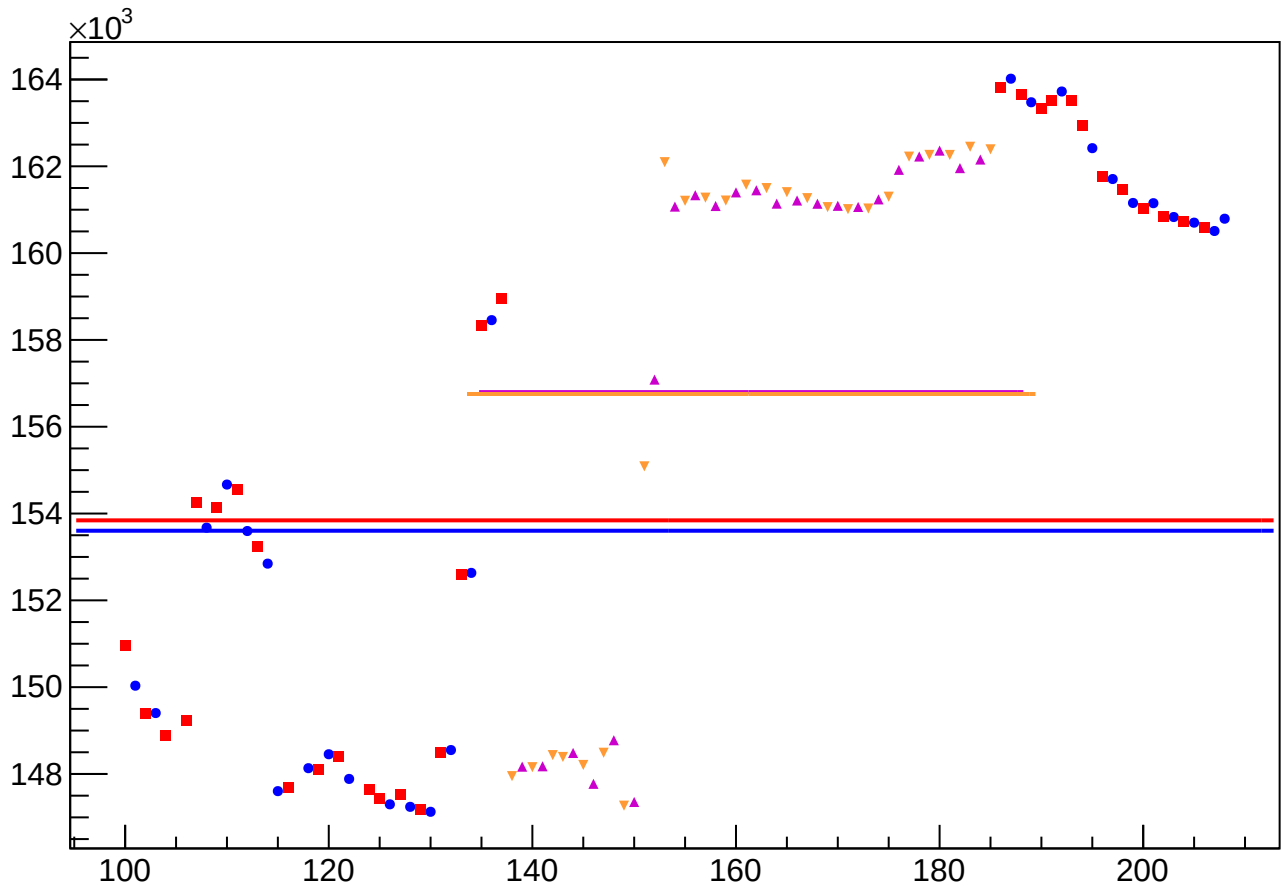
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.059+/-0.005 χ^2/NDF: 27058849.1/57

In: 33.302+/-0.006 χ^2/NDF:39419962.9/49

Out: 36.352+/-0.007 χ^2/NDF:41974964.5/55

All: 34.689+/-0.005 χ^2/NDF: 81497727.4/105



Right In: 153603.900+/-0.054 χ^2/NDF: 11387723979.5/26

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153842.887+/-0.052 χ^2/NDF: 12111729080.1/30

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

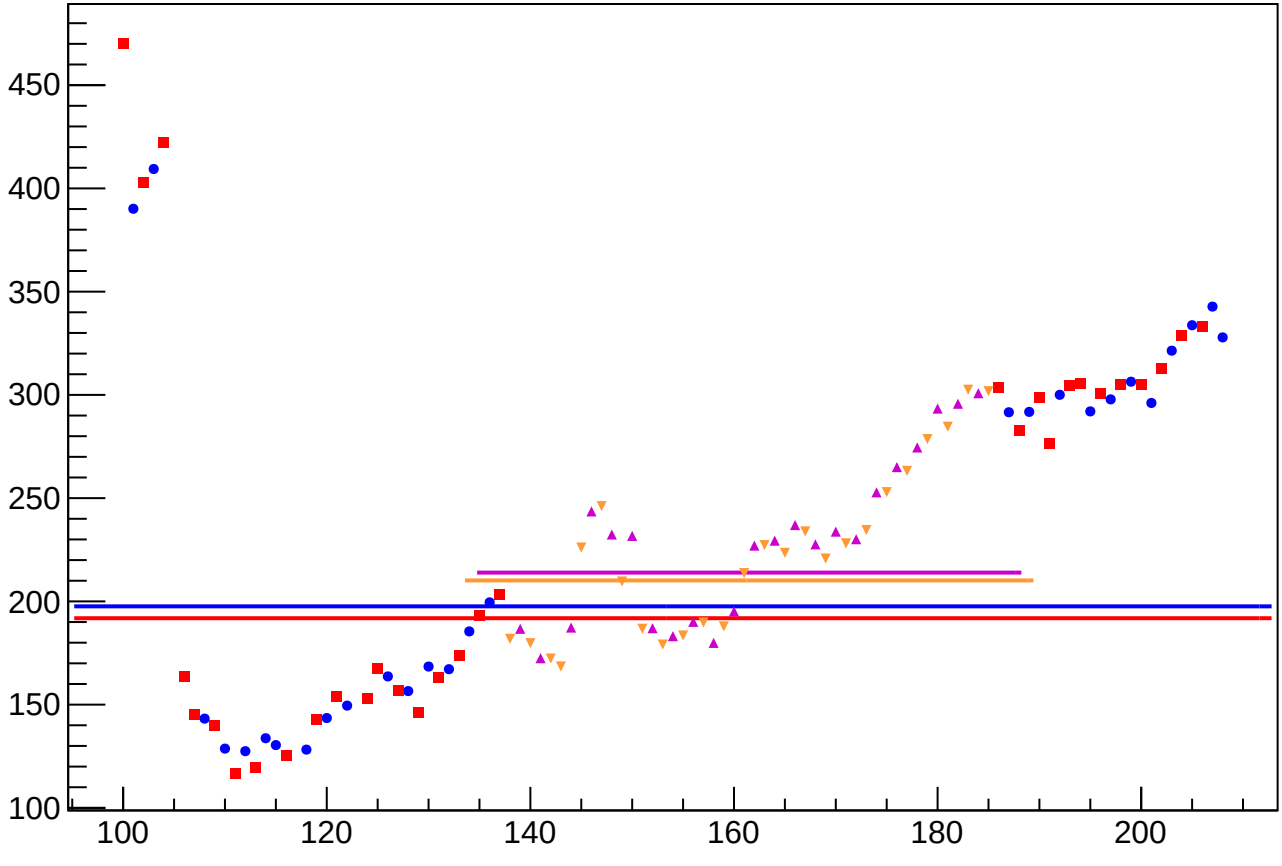
Right: 153728.432+/-0.037 χ^2/NDF: 23509629785.8

In: 155295.966+/-0.037 χ^2/NDF:27579897431.2/4

Out: 155391.332+/-0.035 χ^2/NDF:30169740288.1

All: 155345.767+/-0.026 χ^2/NDF: 57753091

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 197.597+/-0.038 χ^2/NDF: 4266848.4/26

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 191.850+/-0.037 χ^2/NDF: 4618790.1/30

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

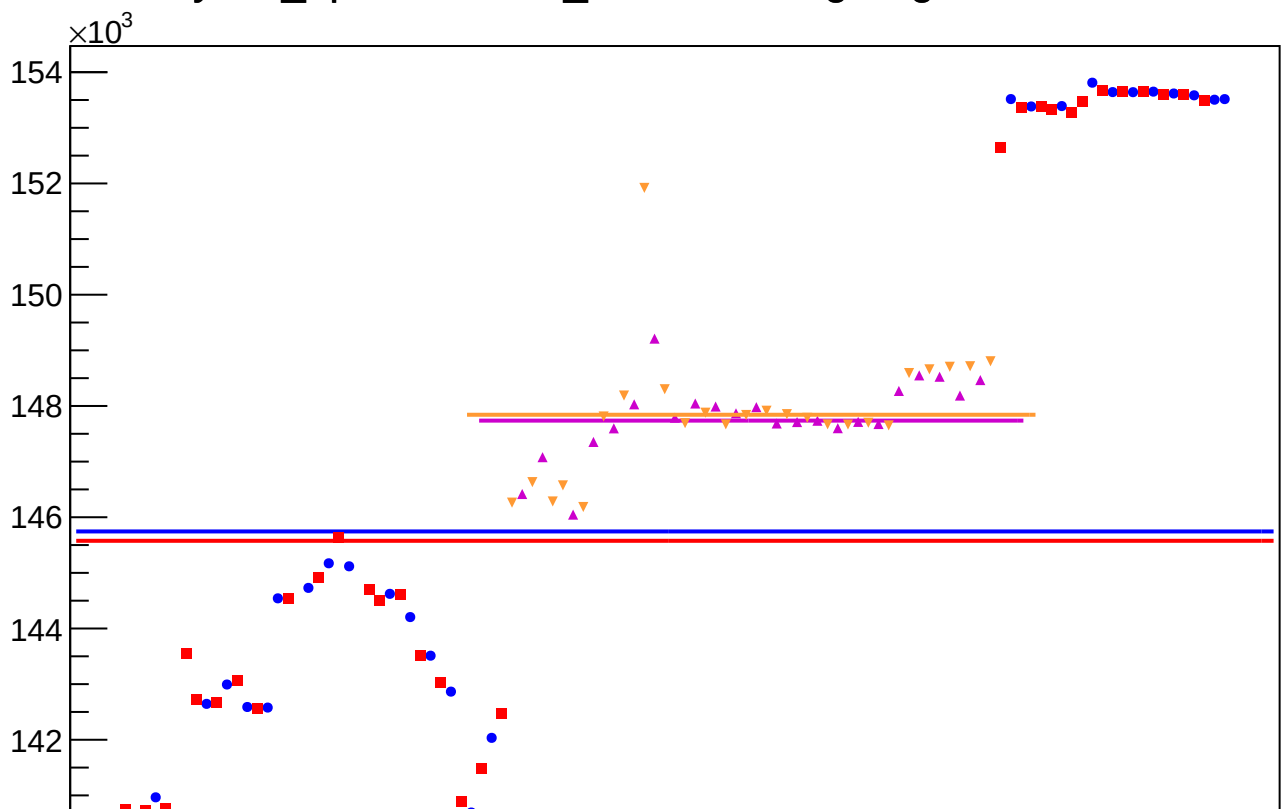
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 194.602+/-0.026 χ^2/NDF: 8897409.0/57

In: 206.257+/-0.026 χ^2/NDF:5278140.0/49

Out: 201.579+/-0.025 χ^2/NDF:5749016.2/55

All: 203.814+/-0.018 χ^2/NDF: 11043779.4/10



Right In: 145744.734+/-0.046 χ^2/NDF: 9376803722.3/26

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145576.354+/-0.044 χ^2/NDF: 10061083179.4/30

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

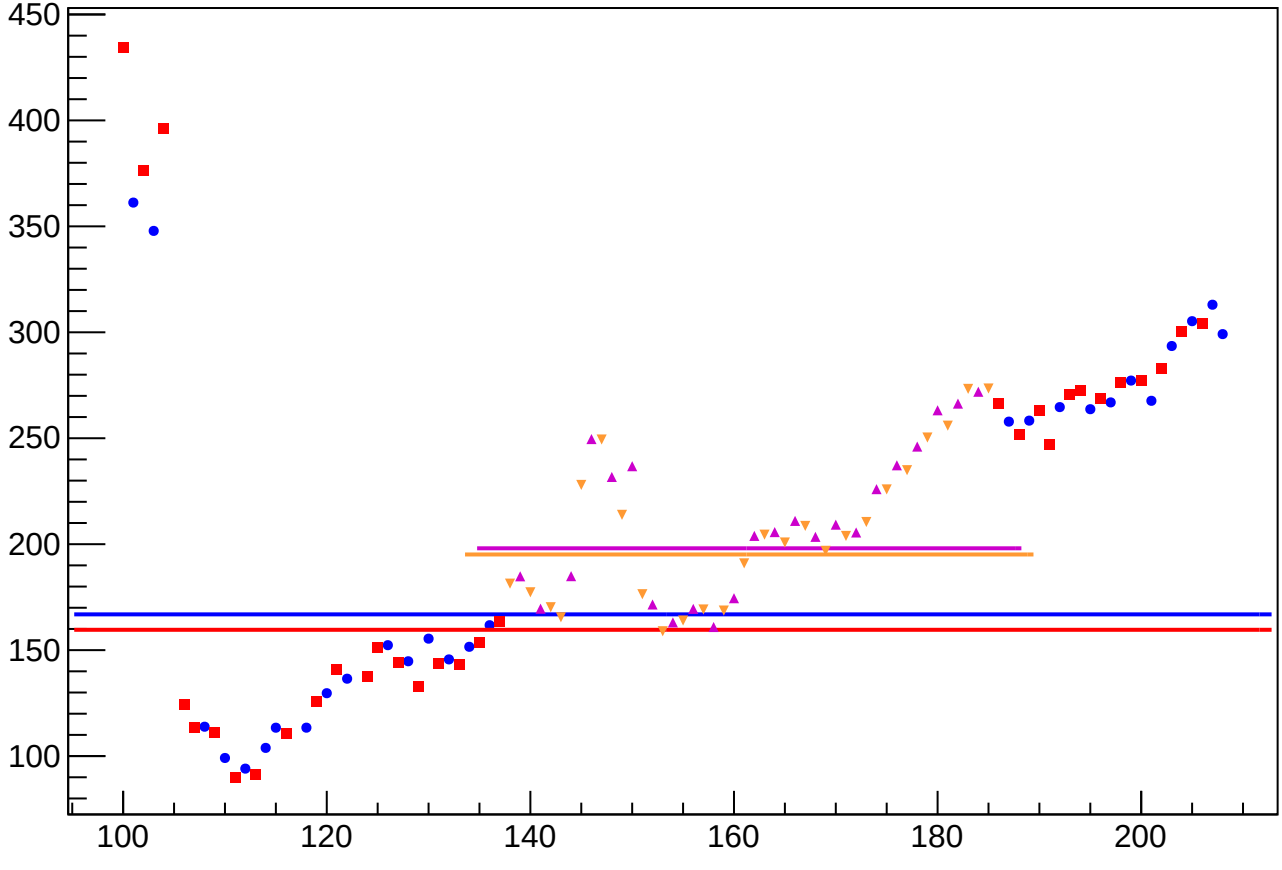
Right: 145655.582+/-0.032 χ^2/NDF: 19444852460.

In: 146724.548+/-0.033 χ^2/NDF:10509540760.3/4

Out: 146674.407+/-0.031 χ^2/NDF:12073207179.0/

All: 146698.177+/-0.023 χ^2/NDF: 22583954

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 166.882+/-0.033 χ^2/NDF: 5057326.7/26

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 159.598+/-0.031 χ^2/NDF: 5621818.0/30

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

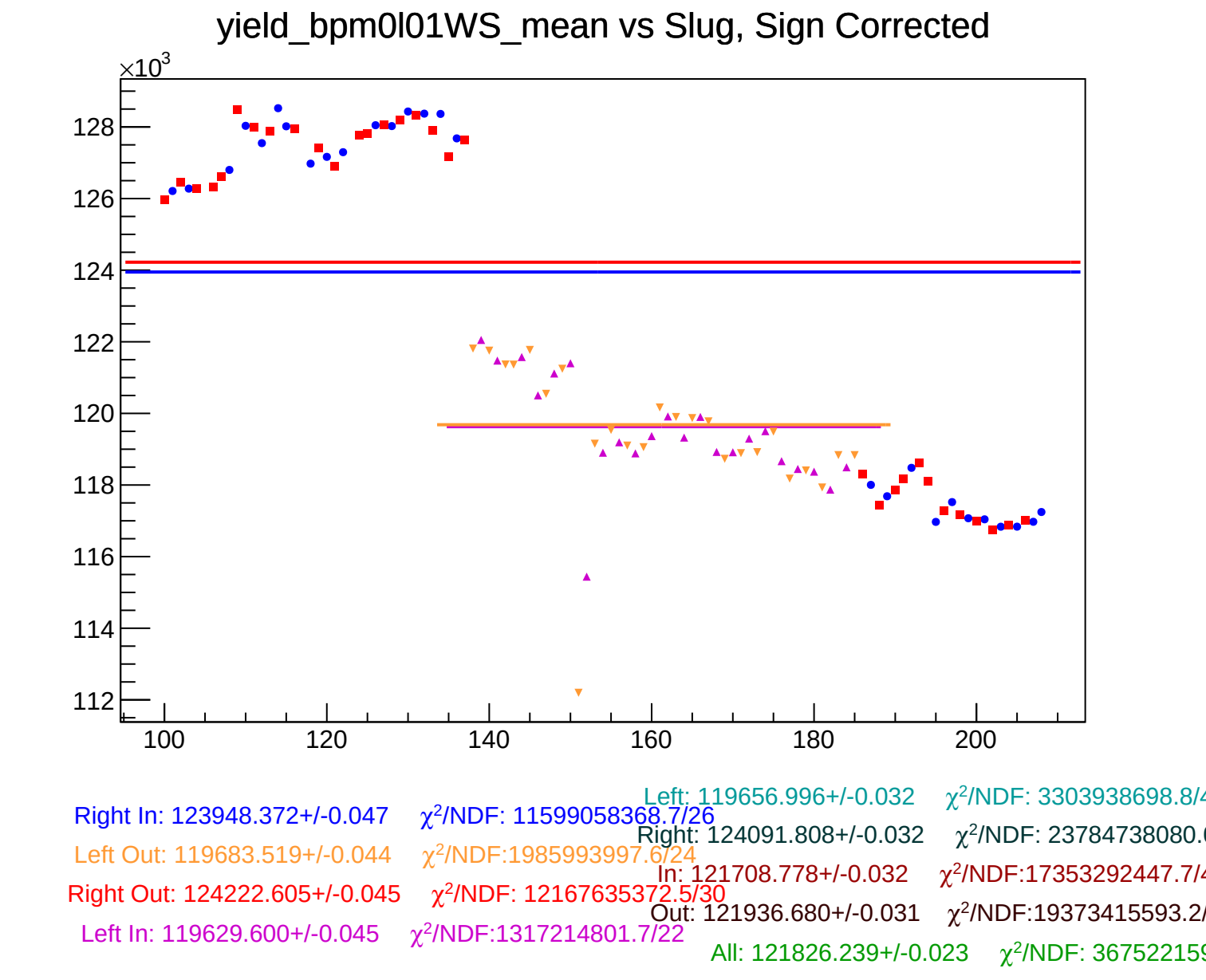
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 163.025+/-0.023 χ^2/NDF: 10705217.8/57

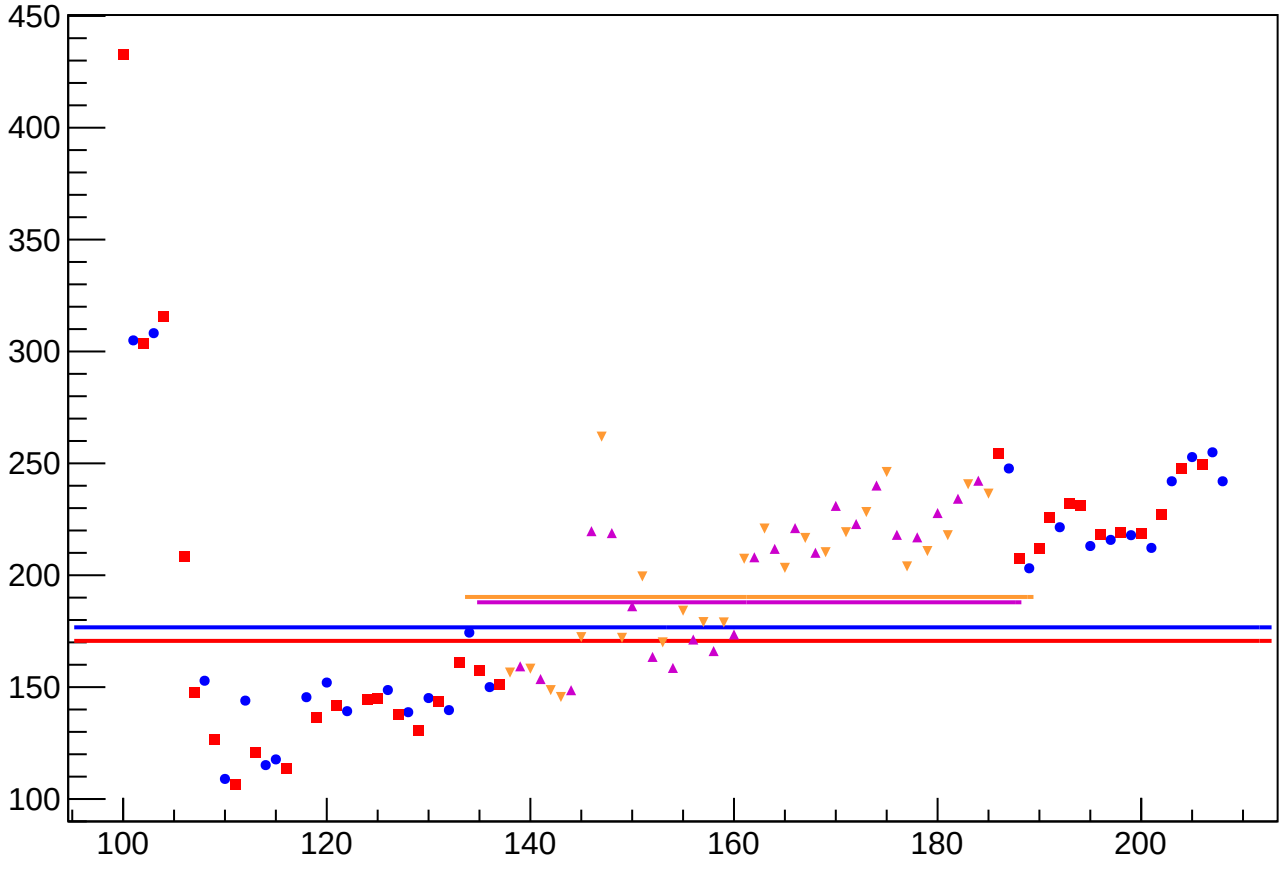
In: 182.216+/-0.023 χ^2/NDF:6401322.1/49

Out: 176.825+/-0.022 χ^2/NDF:7165312.3/55

All: 179.381+/-0.016 χ^2/NDF: 13594554.8/10


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
Right In: 123948.372+/-0.047 χ²/NDF: 11599058368.7/26
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 124222.605+/-0.045 χ²/NDF: 12167635372.5/30
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 124091.808+/-0.032 χ²/NDF: 23784738080.
In: 121708.778+/-0.032 χ²/NDF:17353292447.7/4
Out: 121936.680+/-0.031 χ²/NDF:19373415593.2/
All: 121826.239+/-0.023 χ²/NDF: 367522159

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 176.724+/-0.033 χ^2/NDF: 2205262.7/26

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 170.666+/-0.032 χ^2/NDF: 2715798.2/30

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

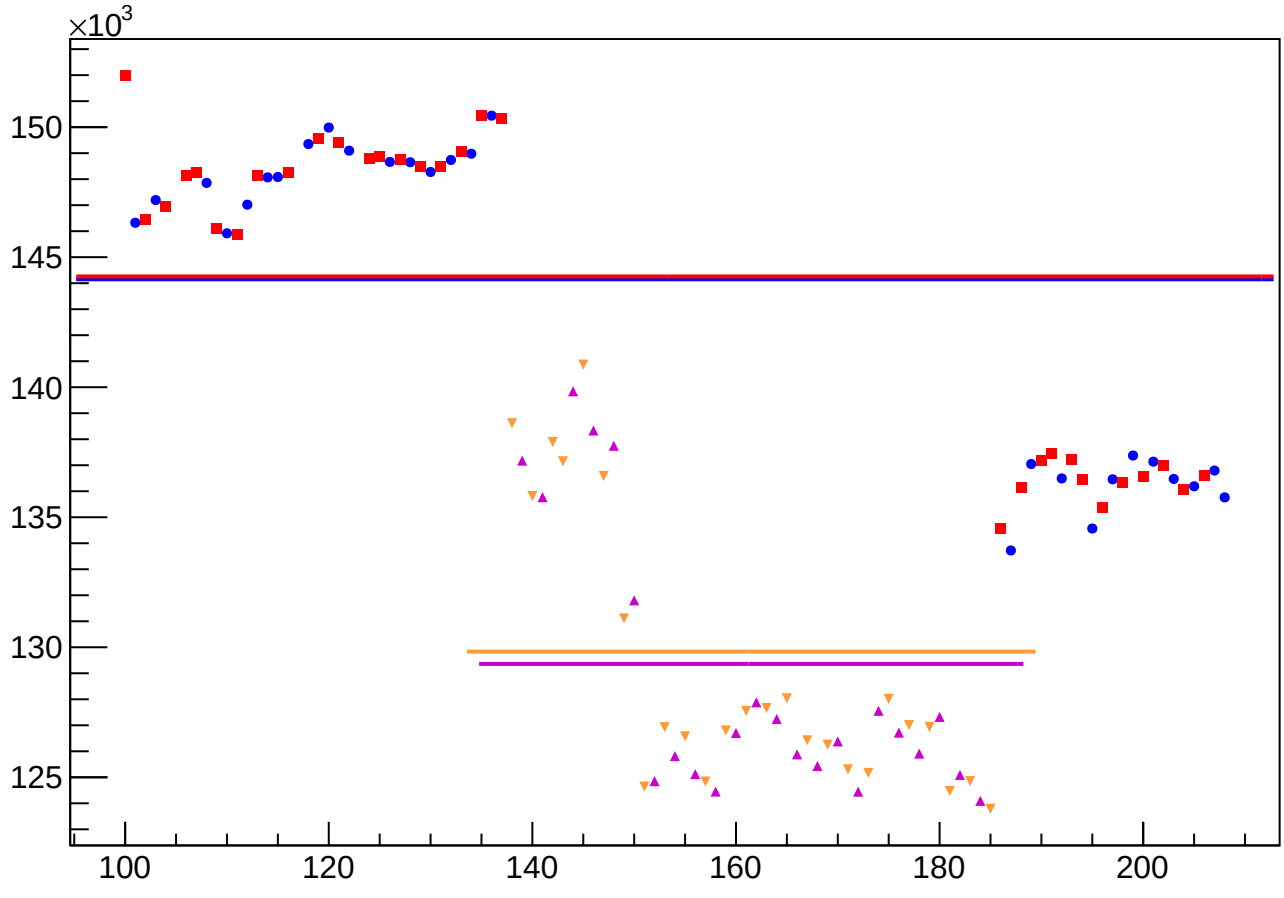
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 173.555+/-0.023 χ^2/NDF: 4938669.8/57

In: 182.524+/-0.023 χ^2/NDF:3190824.5/49

Out: 180.553+/-0.022 χ^2/NDF:3835621.8/55

All: 181.508+/-0.016 χ^2/NDF: 7030263.3/105



Right In: 144150.372+/-0.066 χ^2/NDF: 8217068066.4/26

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144258.957+/-0.062 χ^2/NDF: 8494777029.7/30

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

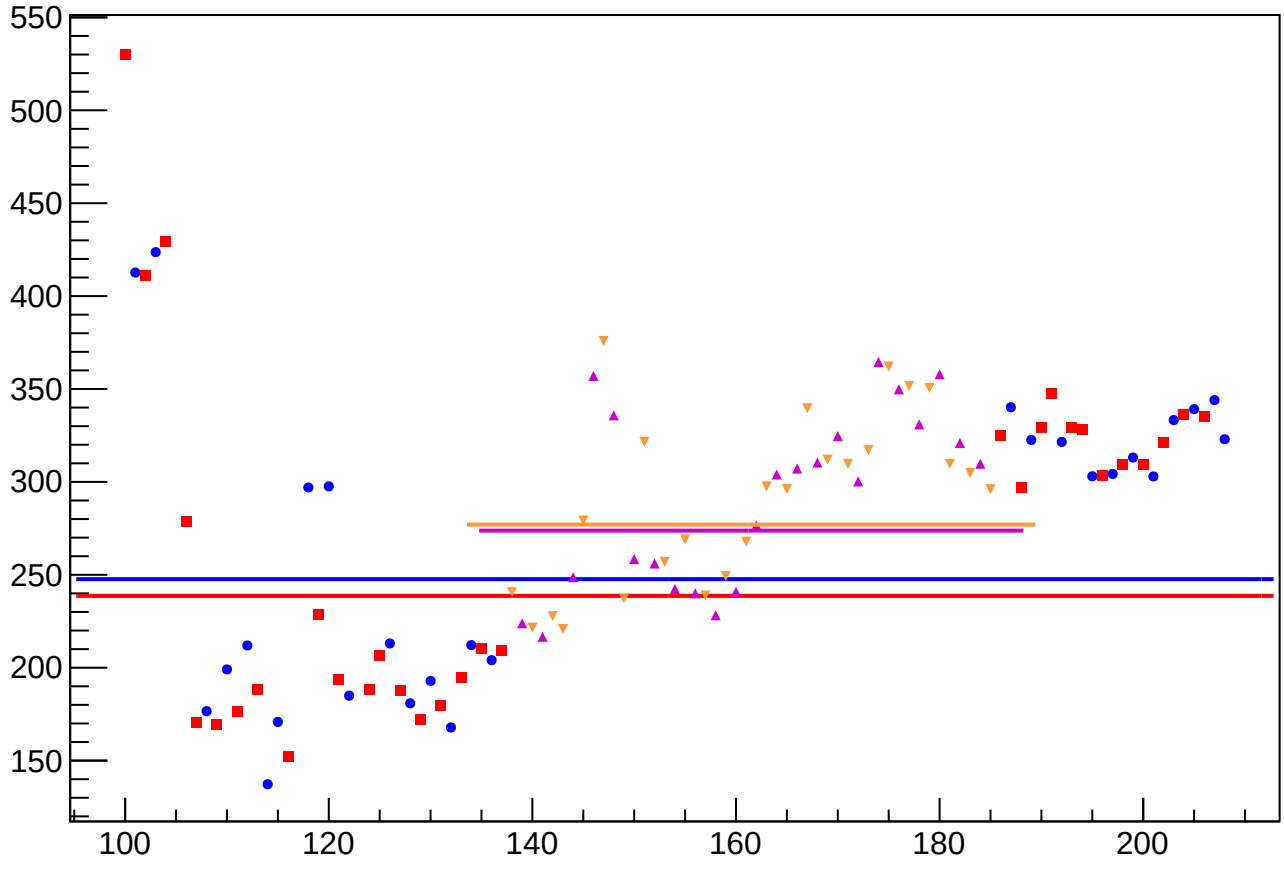
Right: 144207.426+/-0.045 χ^2/NDF: 16713285029.

In: 136728.399+/-0.046 χ^2/NDF:40357047291.4/4

Out: 137258.796+/-0.045 χ^2/NDF:41272428099.7

All: 137002.762+/-0.032 χ^2/NDF: 81697370

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 247.664+/-0.046 χ^2/NDF: 2368701.7/26

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 238.650+/-0.044 χ^2/NDF: 2640780.9/30

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

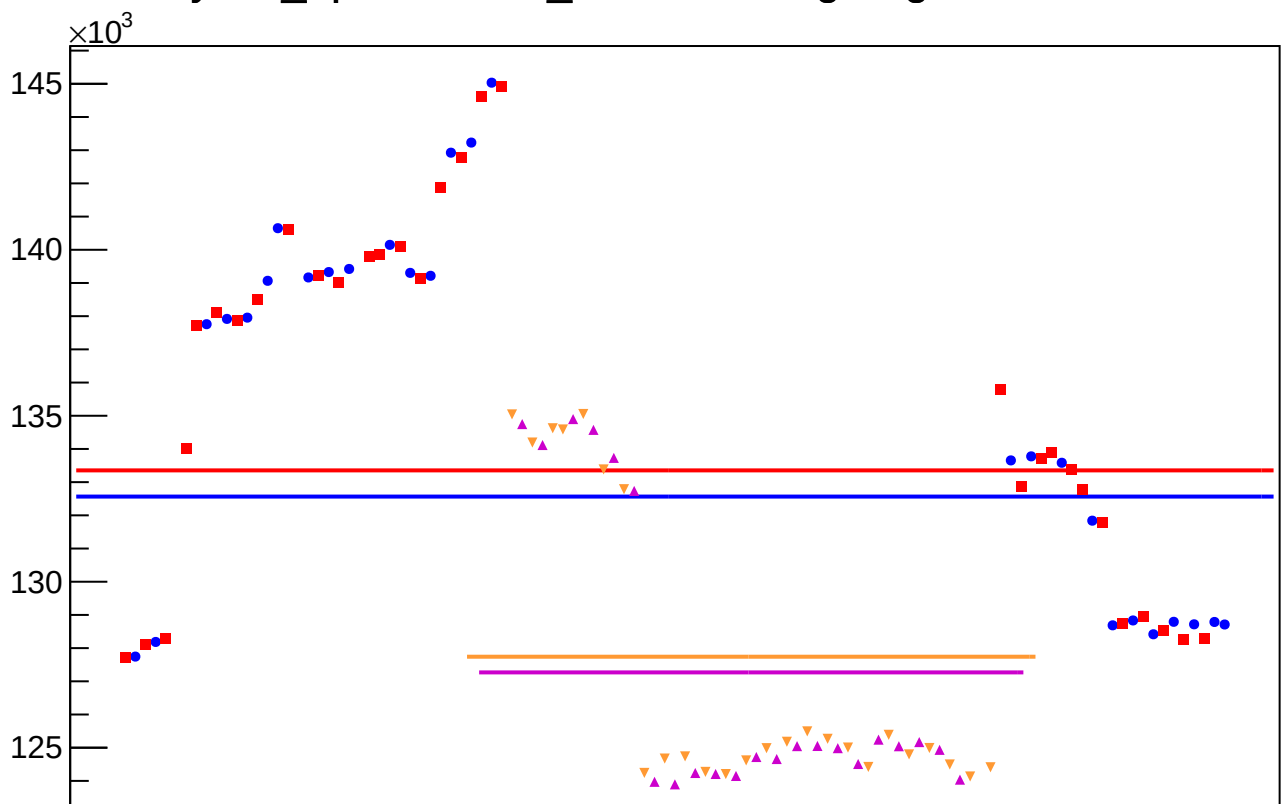
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 242.928+/-0.032 χ^2/NDF: 5029327.8/57

In: 260.772+/-0.033 χ^2/NDF:3531774.3/49

Out: 257.271+/-0.032 χ^2/NDF:3955119.0/55

All: 258.961+/-0.023 χ^2/NDF: 7492808.5/105



Right In: 132565.444+/-0.106 χ^2/NDF: 2661023162.0/26

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133354.290+/-0.112 χ^2/NDF: 1723758911.2/30

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

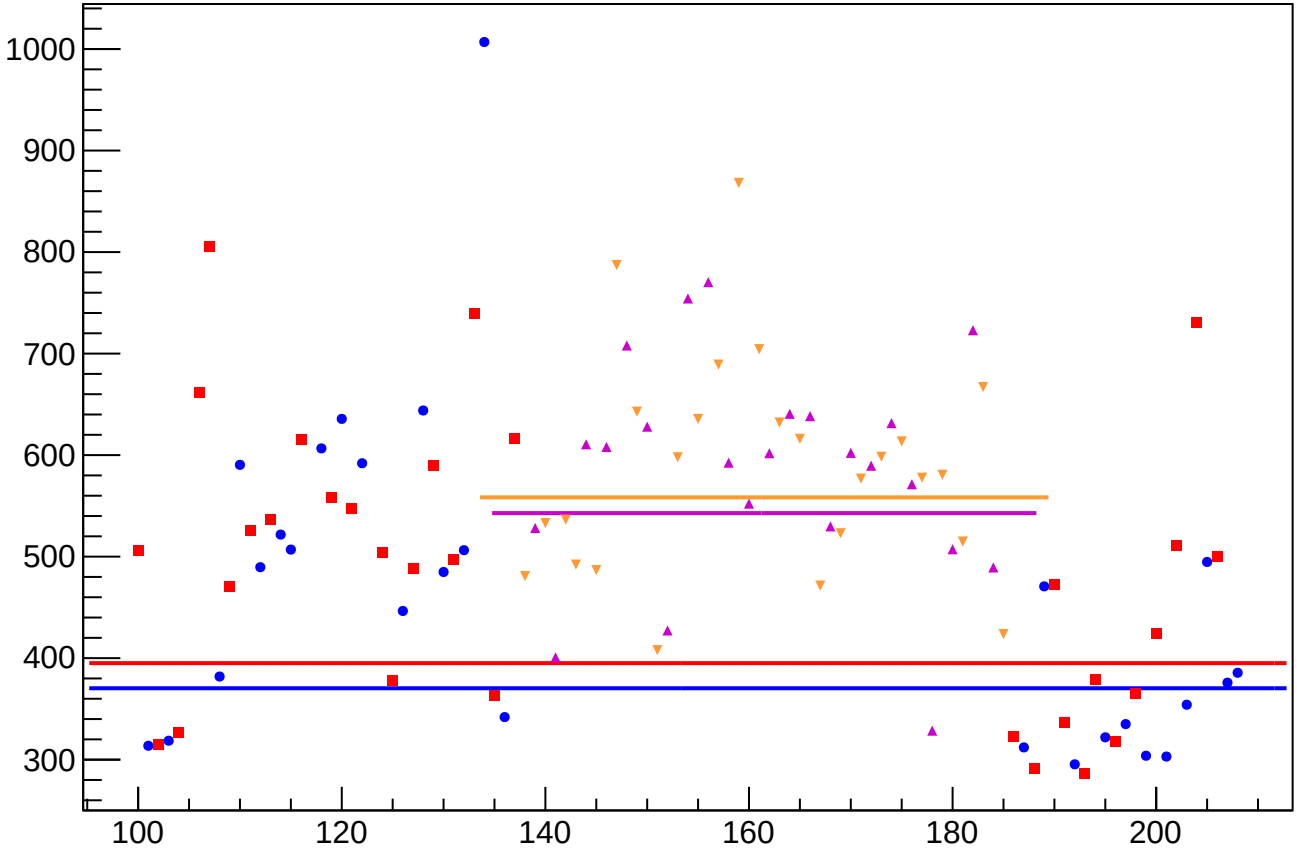
Right: 132935.664+/-0.077 χ^2/NDF: 4410927482.1/

In: 130617.888+/-0.084 χ^2/NDF:4555967456.8/49

Out: 131068.117+/-0.087 χ^2/NDF:3832282850.7/5

All: 130836.455+/-0.060 χ^2/NDF: 84021826

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 370.348+/-0.075 χ^2/NDF: 1575924.4/26

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 395.093+/-0.079 χ^2/NDF: 1957282.9/30

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

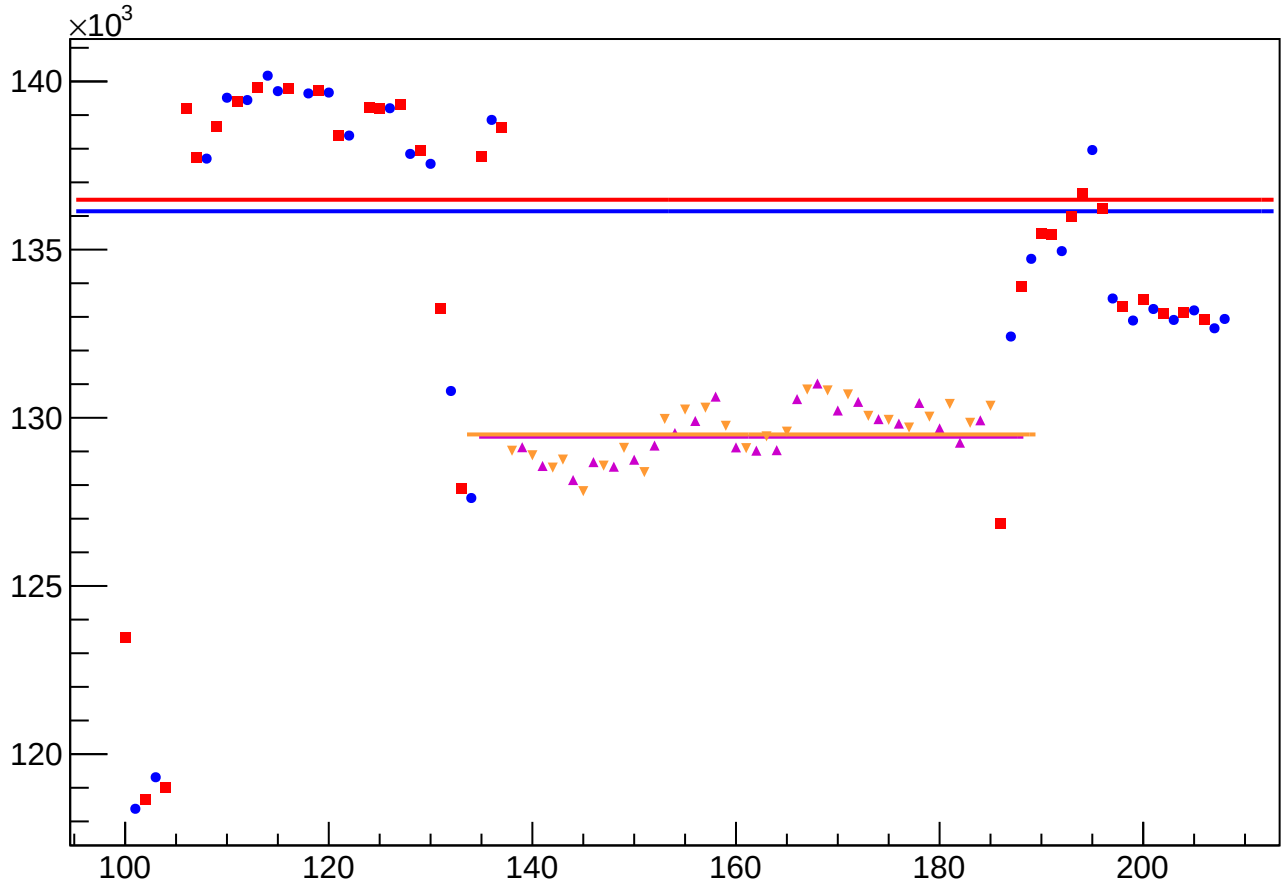
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 381.961+/-0.054 χ^2/NDF: 3584661.2/57

In: 433.781+/-0.059 χ^2/NDF:4952100.4/49

Out: 461.595+/-0.061 χ^2/NDF:4644971.4/55

All: 447.284+/-0.043 χ^2/NDF: 9703415.7/105



Right In: 136140.593+/-0.060 χ^2/NDF: 6504776737.4/26

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136483.138+/-0.056 χ^2/NDF: 6742370689.4/30

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

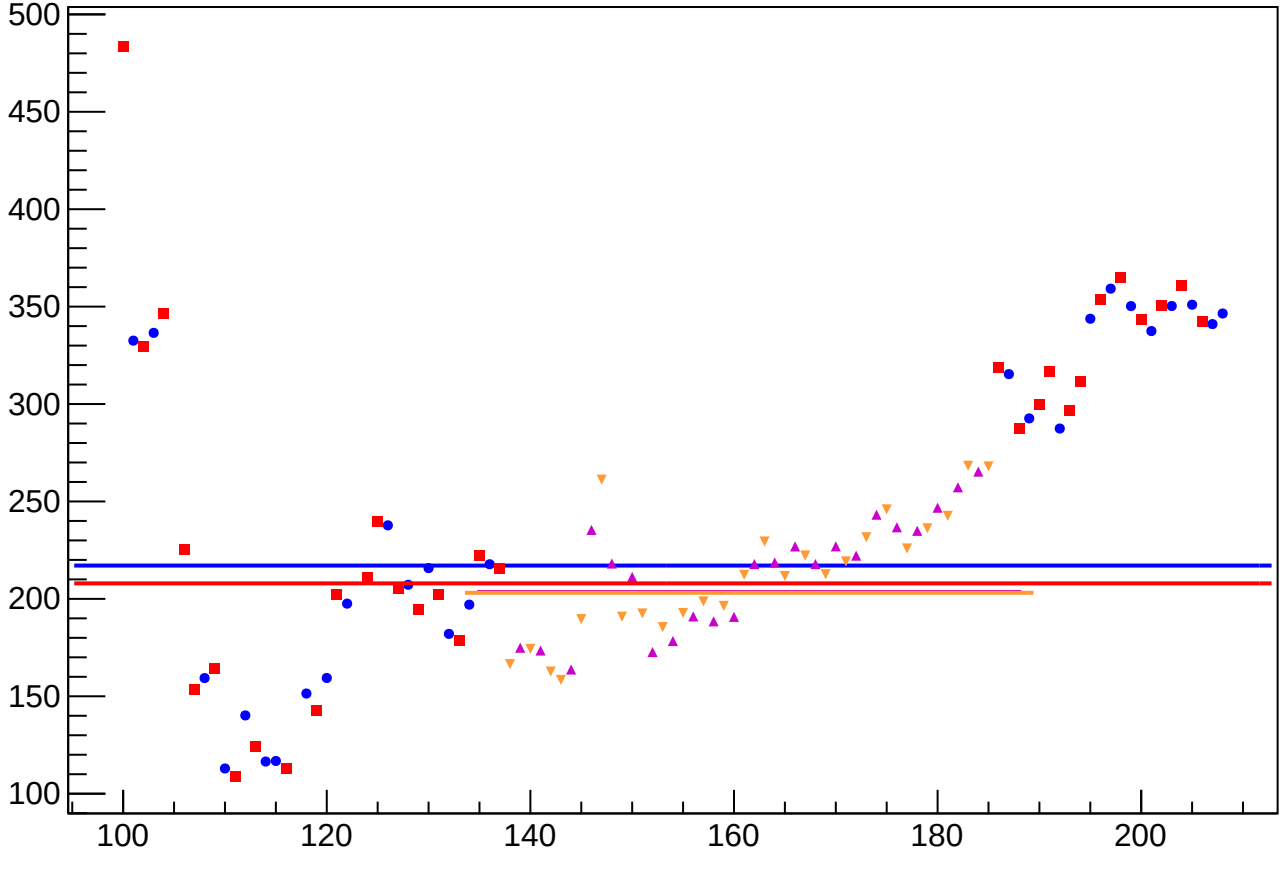
Right: 136321.023+/-0.041 χ^2/NDF: 13264587365.7

In: 132107.128+/-0.038 χ^2/NDF:14402817819.8/4

Out: 132362.972+/-0.036 χ^2/NDF:16071347878.1

All: 132240.104+/-0.026 χ^2/NDF: 30498269

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 217.093+/-0.042 χ^2/NDF: 4106015.4/26

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 207.952+/-0.040 χ^2/NDF: 4721959.0/30

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

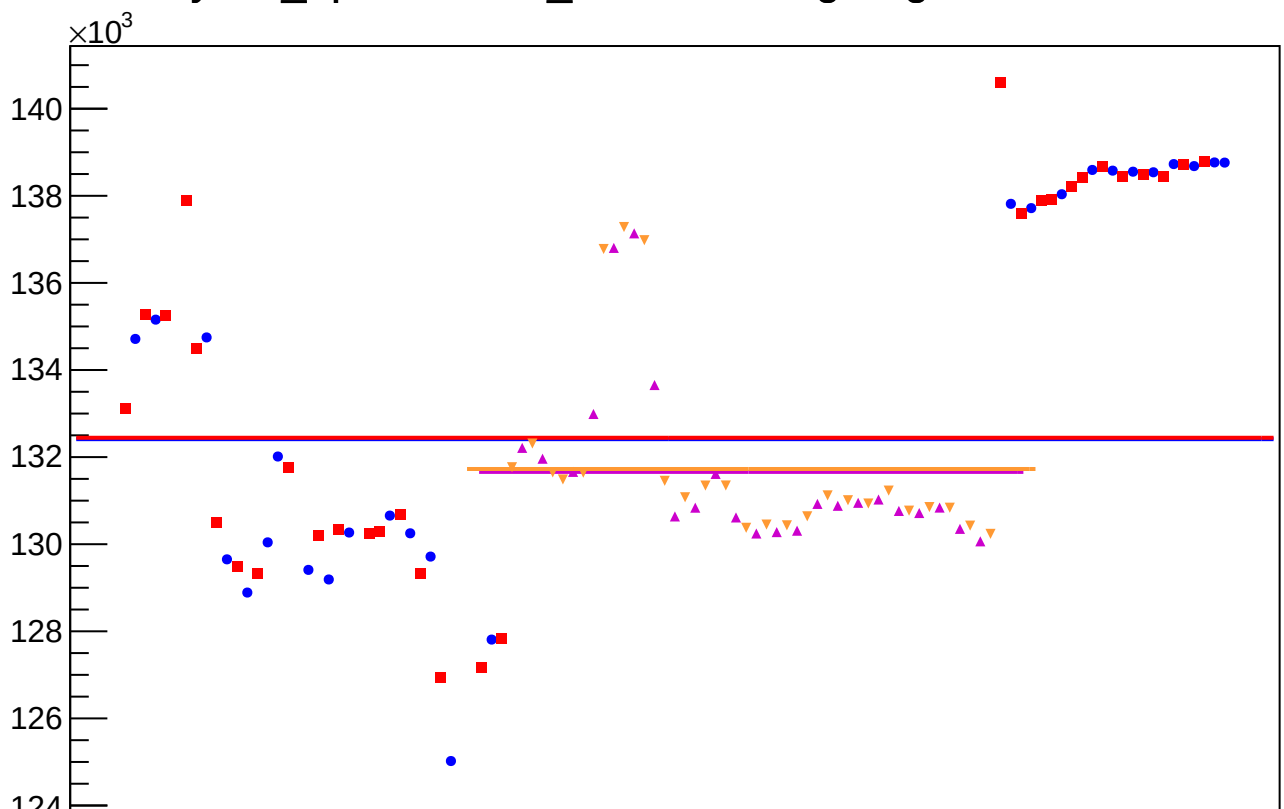
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 212.278+/-0.029 χ^2/NDF: 8852814.5/57

In: 208.942+/-0.027 χ^2/NDF:4834377.5/49

Out: 205.104+/-0.026 χ^2/NDF:5489033.4/55

All: 206.947+/-0.018 χ^2/NDF: 10334256.1/10



Right In: 132411.998+/-0.054 χ^2/NDF: 8169605024.8/26

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132444.079+/-0.051 χ^2/NDF: 8130889451.2/30

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

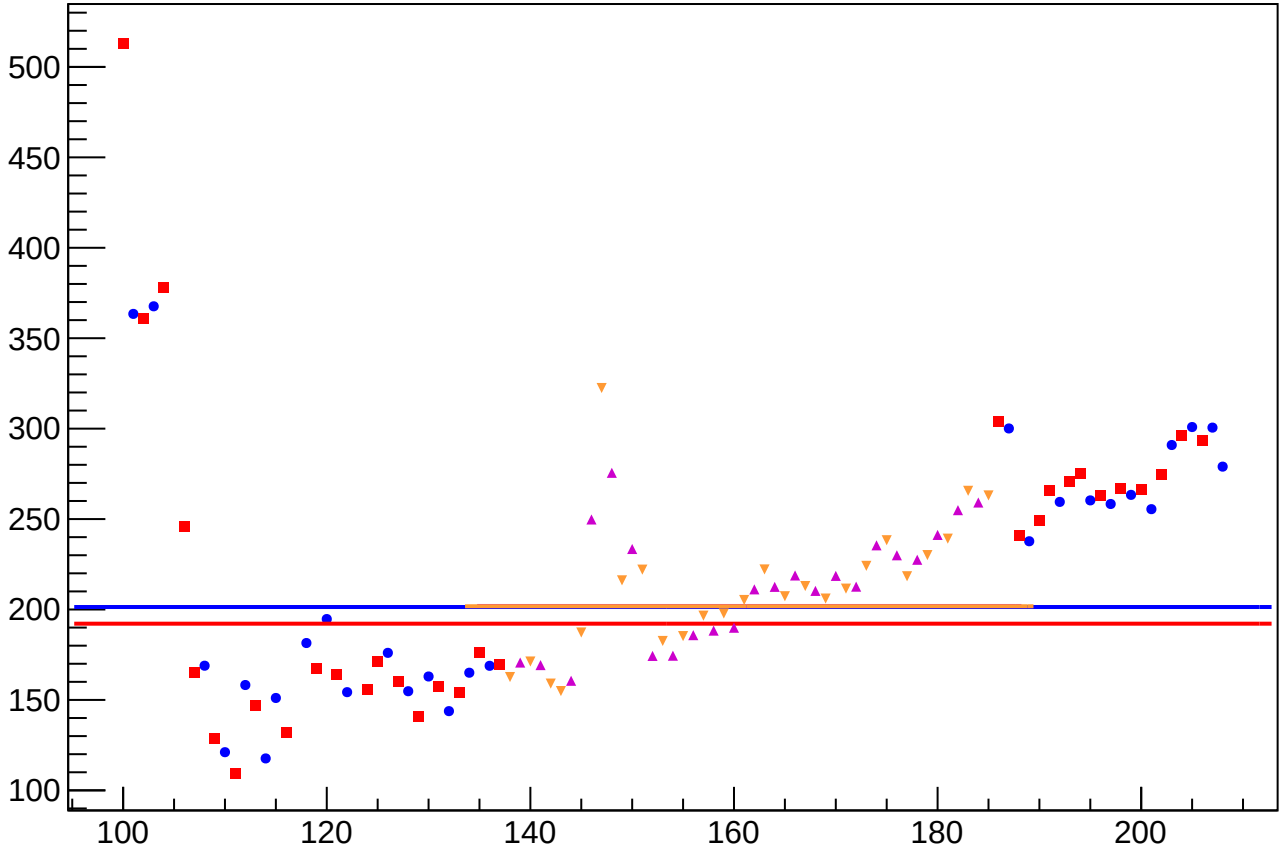
Right: 132428.916+/-0.037 χ^2/NDF: 16300681750.9

In: 131994.700+/-0.036 χ^2/NDF:9442199389.2/49

Out: 132055.442+/-0.034 χ^2/NDF:9663217309.3/5

All: 132026.288+/-0.025 χ^2/NDF: 19106905

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 201.376+/-0.038 χ^2/NDF: 2680979.4/26

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 192.157+/-0.036 χ^2/NDF: 3401370.9/30

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 196.514+/-0.026 χ^2/NDF: 6113276.4/57

In: 201.693+/-0.025 χ^2/NDF:3483804.7/49

Out: 197.383+/-0.024 χ^2/NDF:4345513.7/55

All: 199.452+/-0.018 χ^2/NDF: 7844308.7/105

Right In: 3499.660+/-0.005 χ^2/NDF: 4991868469374.0/26

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4035.367+/-0.006 χ^2/NDF: 5891974370032.4/30

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

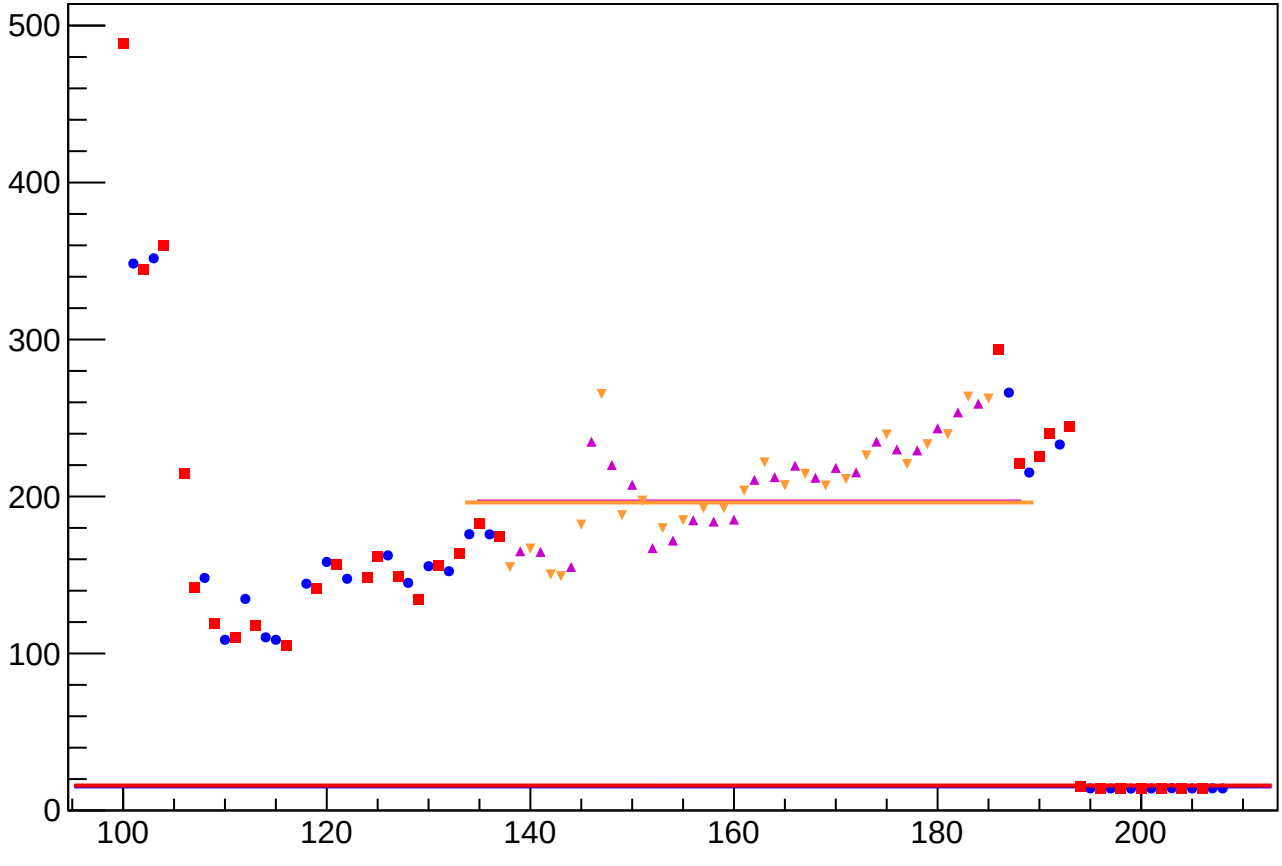
Right: 3740.981+/-0.004 χ^2/NDF: 10888400971084

In: 5094.726+/-0.005 χ^2/NDF:12038488126945.5

Out: 6091.081+/-0.006 χ^2/NDF:13320422754447.

All: 5544.484+/-0.004 χ^2/NDF: 2537491470

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.318+/-0.004 χ^2/NDF: 14421437.4/26

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.879+/-0.004 χ^2/NDF: 16485613.3/30

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

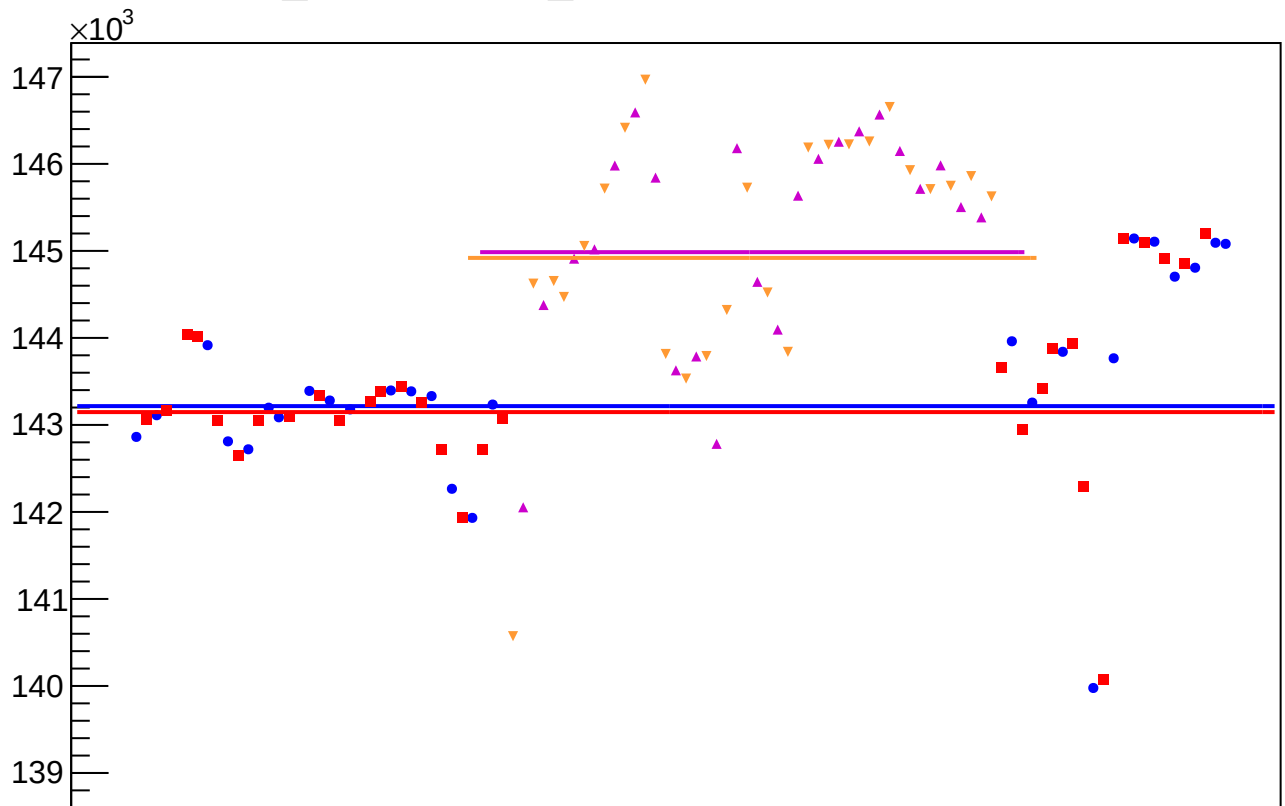
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.571+/-0.003 χ^2/NDF: 30917055.1/57

In: 17.629+/-0.004 χ^2/NDF:44777172.5/49

Out: 18.844+/-0.004 χ^2/NDF:48317029.5/55

All: 18.177+/-0.003 χ^2/NDF: 93141824.4/105



Right In: 143216.187+/-0.058 χ^2/NDF: 241693115.7/26

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143147.487+/-0.054 χ^2/NDF: 226856905.4/30

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

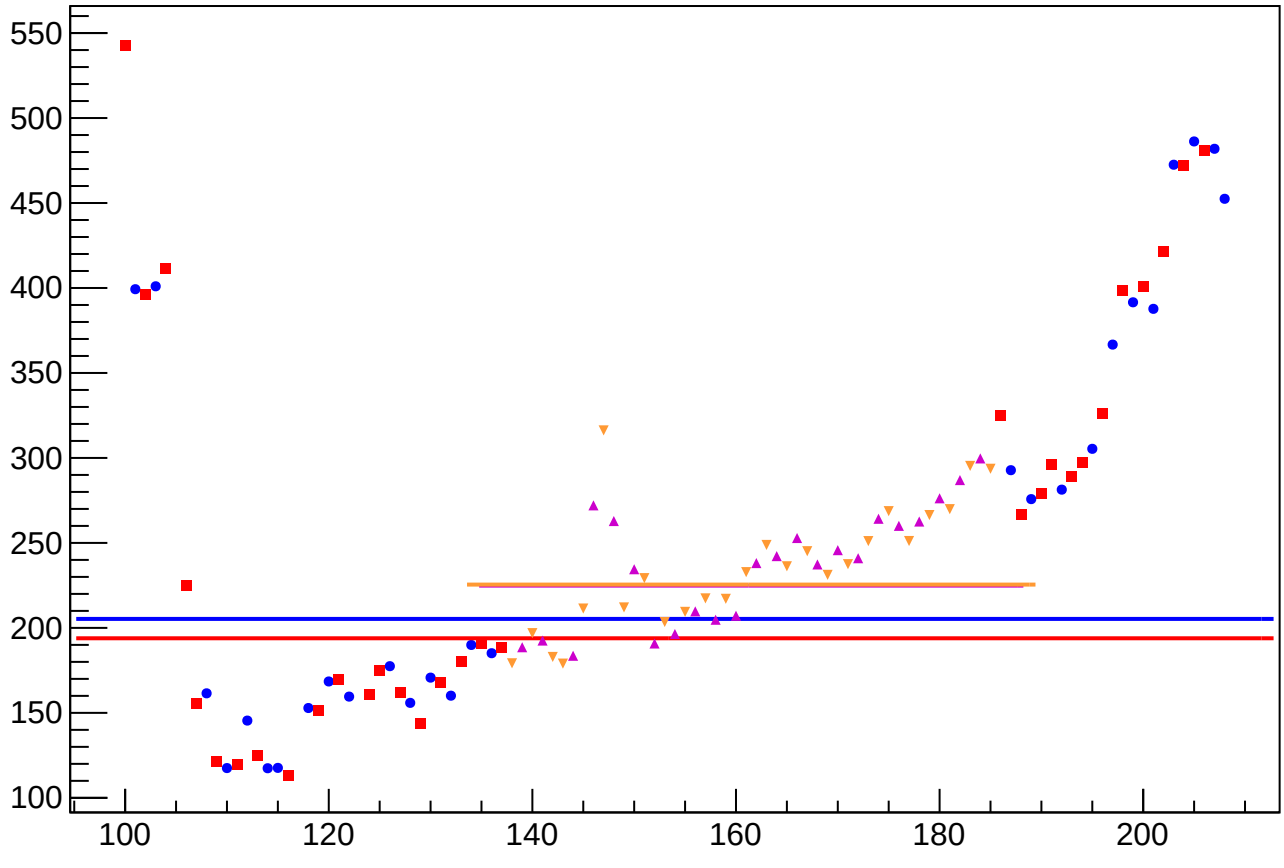
Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

Right: 143179.321+/-0.039 χ^2/NDF: 469308248.6/5

In: 144167.852+/-0.039 χ^2/NDF:1364578072.7/49

Out: 144058.161+/-0.037 χ^2/NDF:1621805473.2/5

All: 144110.367+/-0.027 χ^2/NDF: 29904680



Right In: 205.283+/-0.041 χ^2/NDF: 5646784.8/26

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 193.885+/-0.038 χ^2/NDF: 5977479.3/30

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

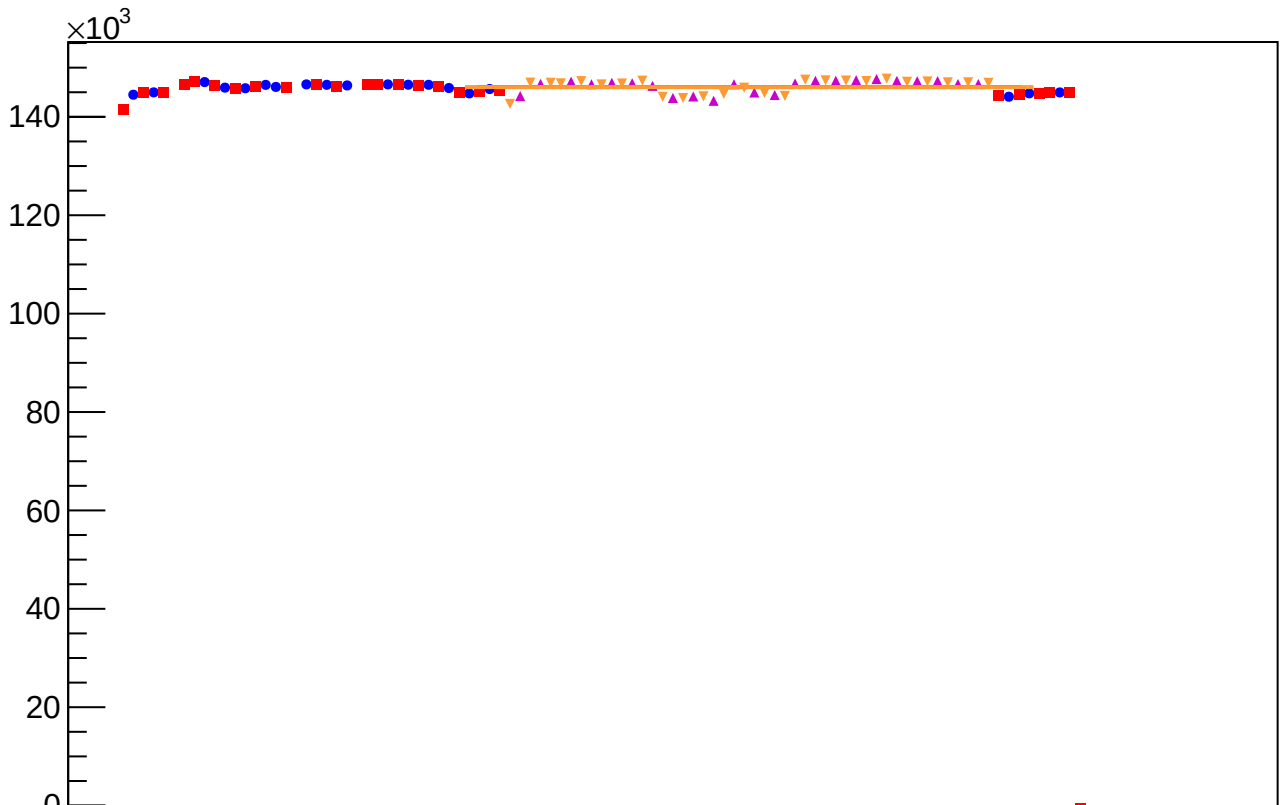
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 199.166+/-0.028 χ^2/NDF: 11666006.8/57

In: 215.817+/-0.028 χ^2/NDF:6494129.9/49

Out: 210.122+/-0.026 χ^2/NDF:7108541.2/55

All: 212.832+/-0.019 χ^2/NDF: 13624694.3/10



Right In: -933.633+/-0.003 χ^2/NDF: 5375143877500.3/26

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -805.042+/-0.003 χ^2/NDF: 6461636713825.1/30

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

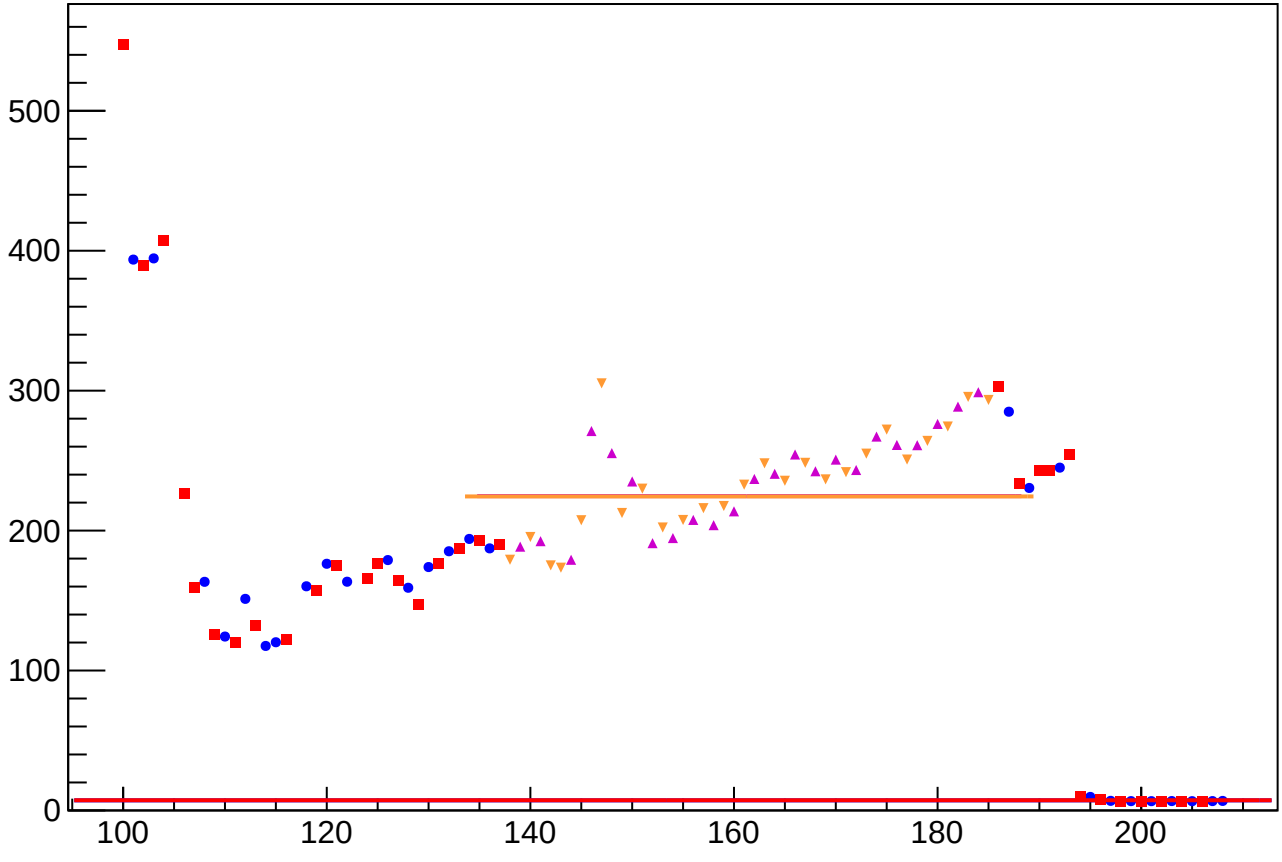
Right: -875.406+/-0.002 χ^2/NDF: 11837849792789

In: -575.710+/-0.003 χ^2/NDF:12888772122082.7/

Out: -347.072+/-0.003 χ^2/NDF:14409546354707.4

All: -472.143+/-0.002 χ^2/NDF: 2730170817

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.210+/-0.002 χ^2/NDF: 16113994.5/26

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.298+/-0.002 χ^2/NDF: 18419562.6/30

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

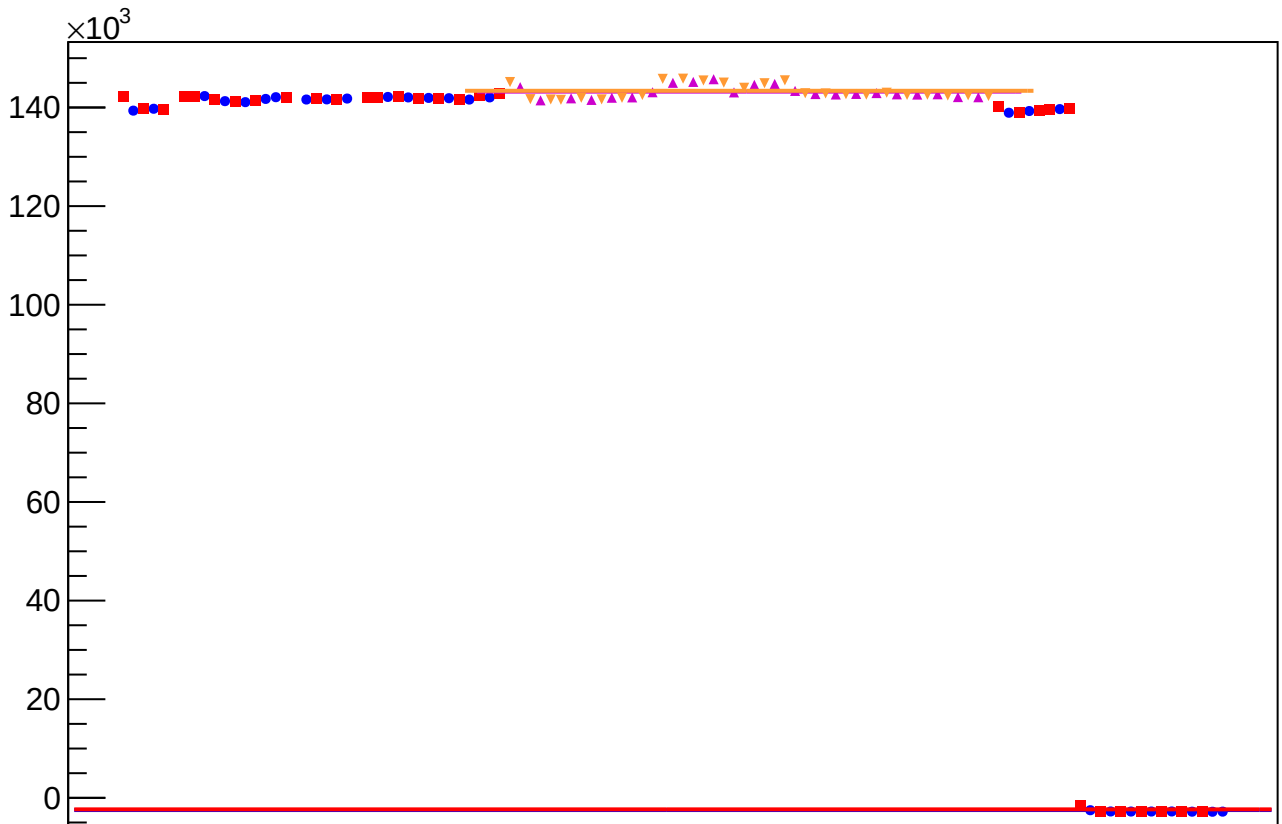
Right: 7.250+/-0.001 χ^2/NDF: 34534554.9/57

In: 7.739+/-0.002 χ^2/NDF:49753089.4/49

Out: 7.975+/-0.002 χ^2/NDF:54011623.0/55

All: 7.846+/-0.001 χ^2/NDF: 103771902.4/105

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -2473.869+/-0.003 χ^2/NDF: 4963238588215.3/26

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2337.407+/-0.003 χ^2/NDF: 5829967559782.9/30

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

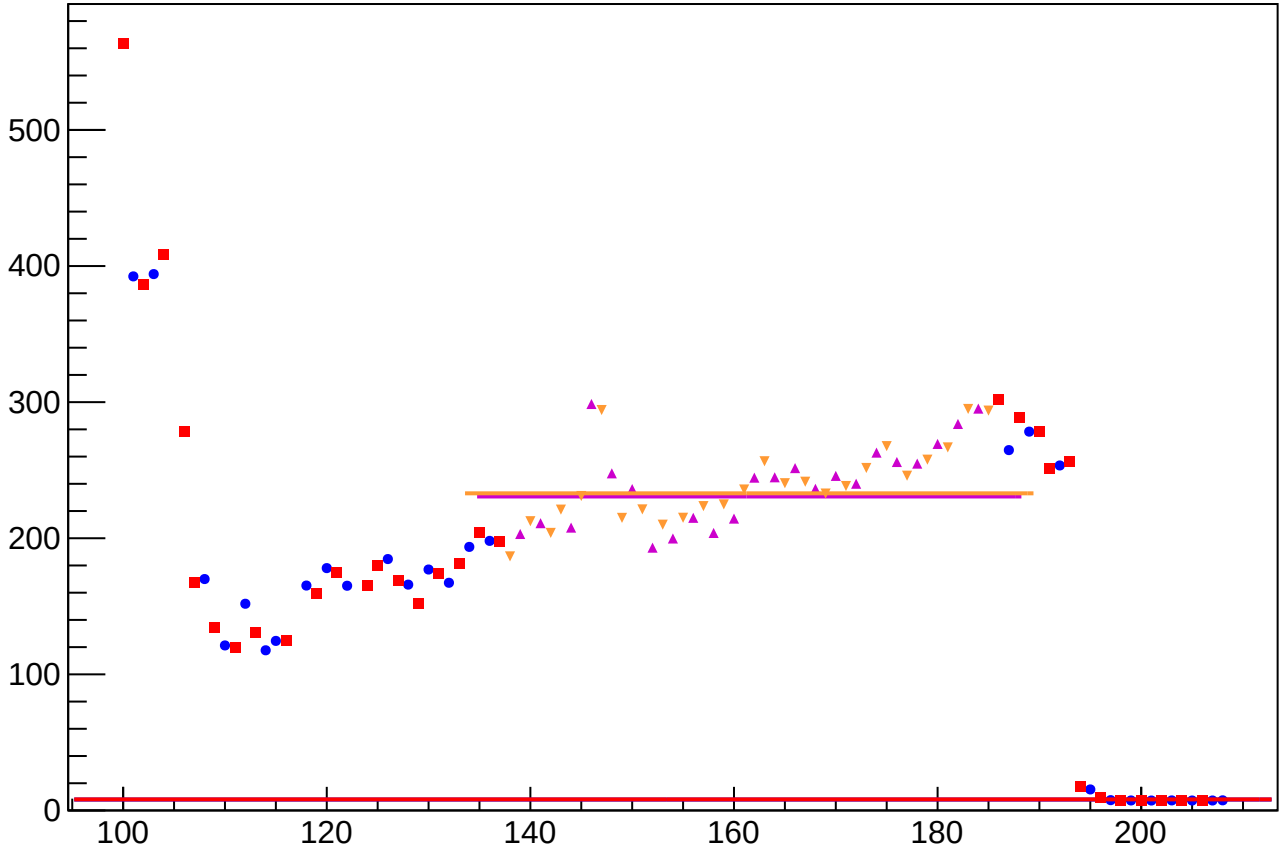
Right: -2412.174+/-0.002 χ^2/NDF: 1079416512311

In: -2049.640+/-0.003 χ^2/NDF:12004145842631.3

Out: -1801.425+/-0.003 χ^2/NDF:13172072315220

All: -1937.373+/-0.002 χ^2/NDF: 2517940157

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.002+/-0.002 χ^2/NDF: 16280134.7/26

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.126+/-0.002 χ^2/NDF: 18461304.0/30

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

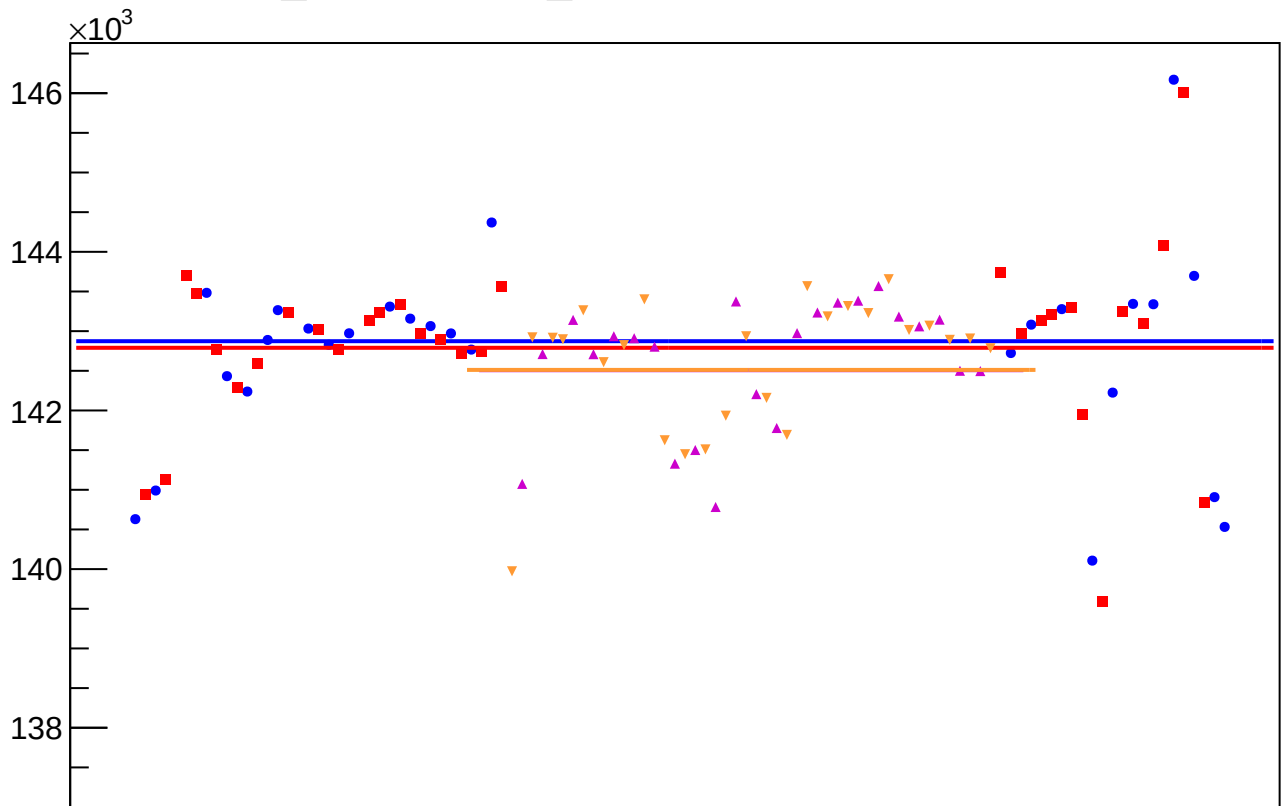
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.058+/-0.002 χ^2/NDF: 34743003.2/57

In: 8.651+/-0.002 χ^2/NDF:49687562.7/49

Out: 8.953+/-0.002 χ^2/NDF:53873473.0/55

All: 8.787+/-0.002 χ^2/NDF: 103570457.8/105



Right In: 142873.463+/-0.060 χ^2/NDF: 272687436.6/26

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142790.212+/-0.056 χ^2/NDF: 215759565.0/30

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

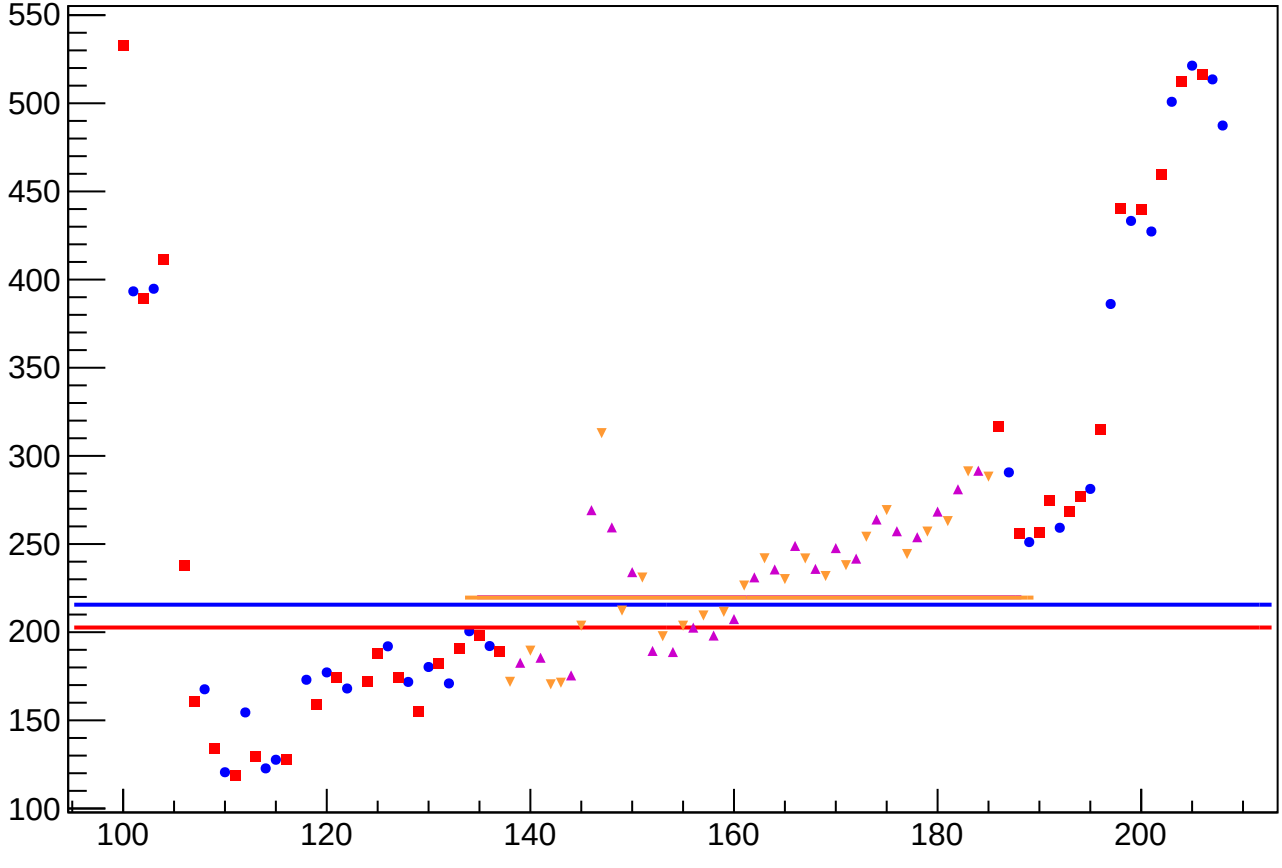
Right: 142828.496+/-0.041 χ^2/NDF: 489470094.4/5

In: 142664.427+/-0.040 χ^2/NDF:562862625.9/49

Out: 142637.982+/-0.038 χ^2/NDF:567472054.8/55

All: 142650.521+/-0.027 χ^2/NDF: 11305691

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 215.598+/-0.043 χ^2/NDF: 5385579.5/26

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 202.654+/-0.039 χ^2/NDF: 5617700.5/30

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

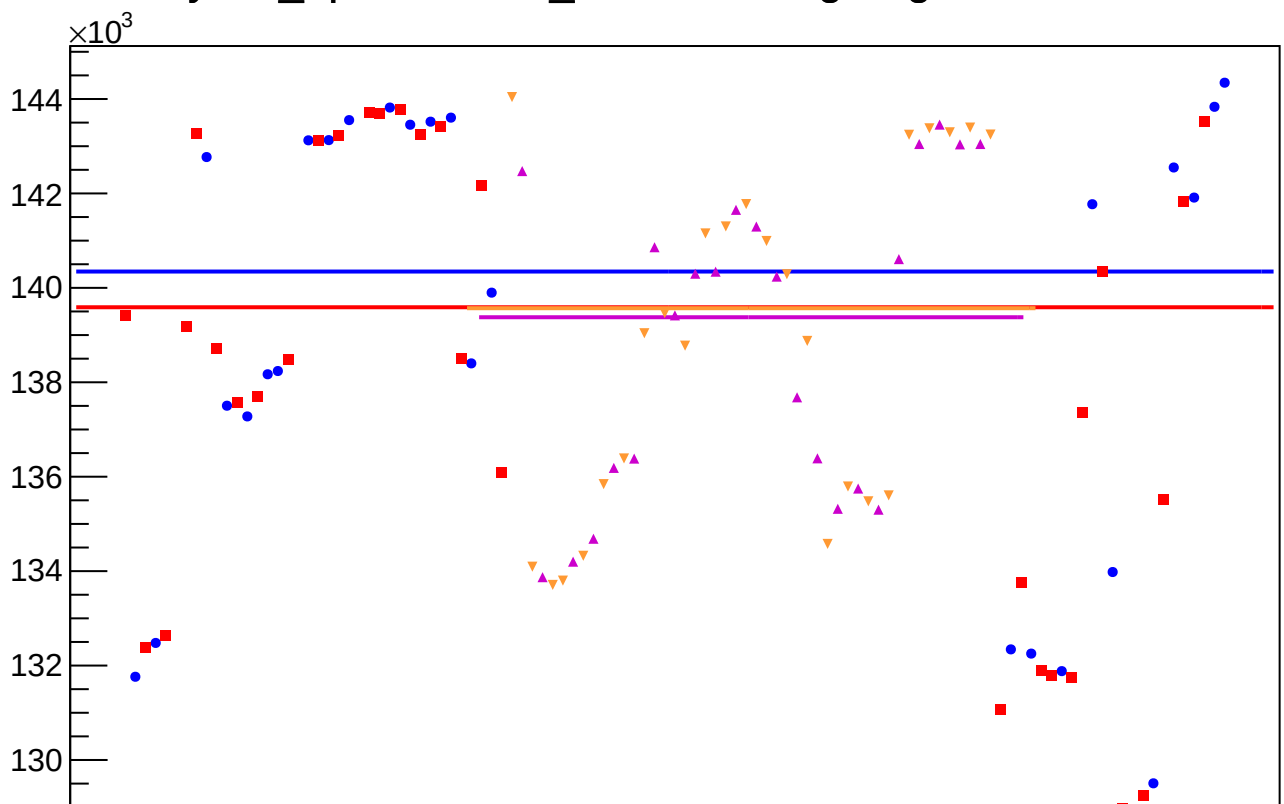
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 208.607+/-0.029 χ^2/NDF: 11052743.6/57

In: 218.006+/-0.028 χ^2/NDF:6196629.0/49

Out: 211.916+/-0.027 χ^2/NDF:6620587.7/55

All: 214.804+/-0.019 χ^2/NDF: 12842085.9/10



Right In: 140345.606+/-0.085 χ^2/NDF: 2639487864.1/26

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139589.054+/-0.084 χ^2/NDF: 2763103015.2/30

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

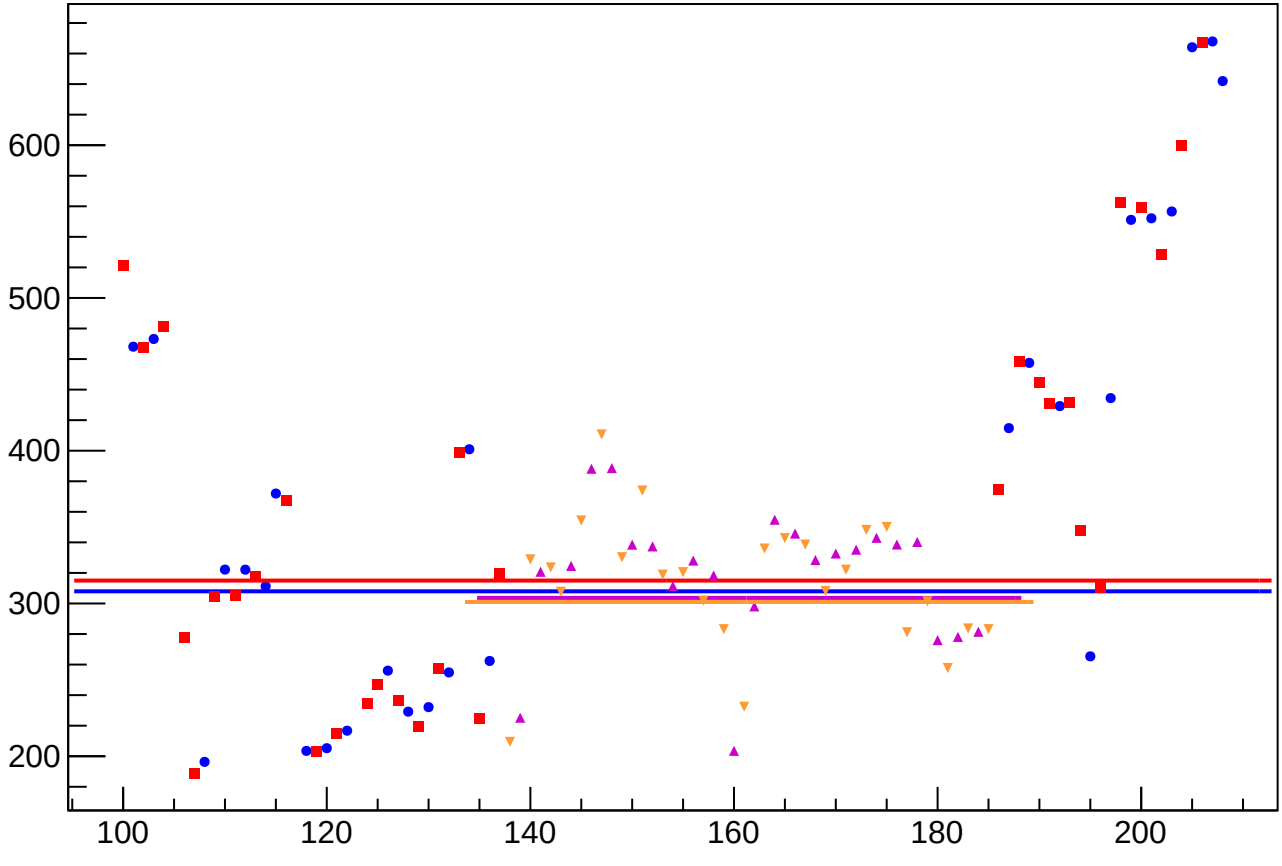
Right: 139963.491+/-0.060 χ^2/NDF: 5442345494.6/

In: 139786.656+/-0.055 χ^2/NDF:4635329876.2/49

Out: 139577.027+/-0.054 χ^2/NDF:5349776091.3/5

All: 139678.891+/-0.039 χ^2/NDF: 99924573

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 307.955+/-0.060 χ^2/NDF: 4422918.5/26

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 314.999+/-0.060 χ^2/NDF: 3894849.9/30

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

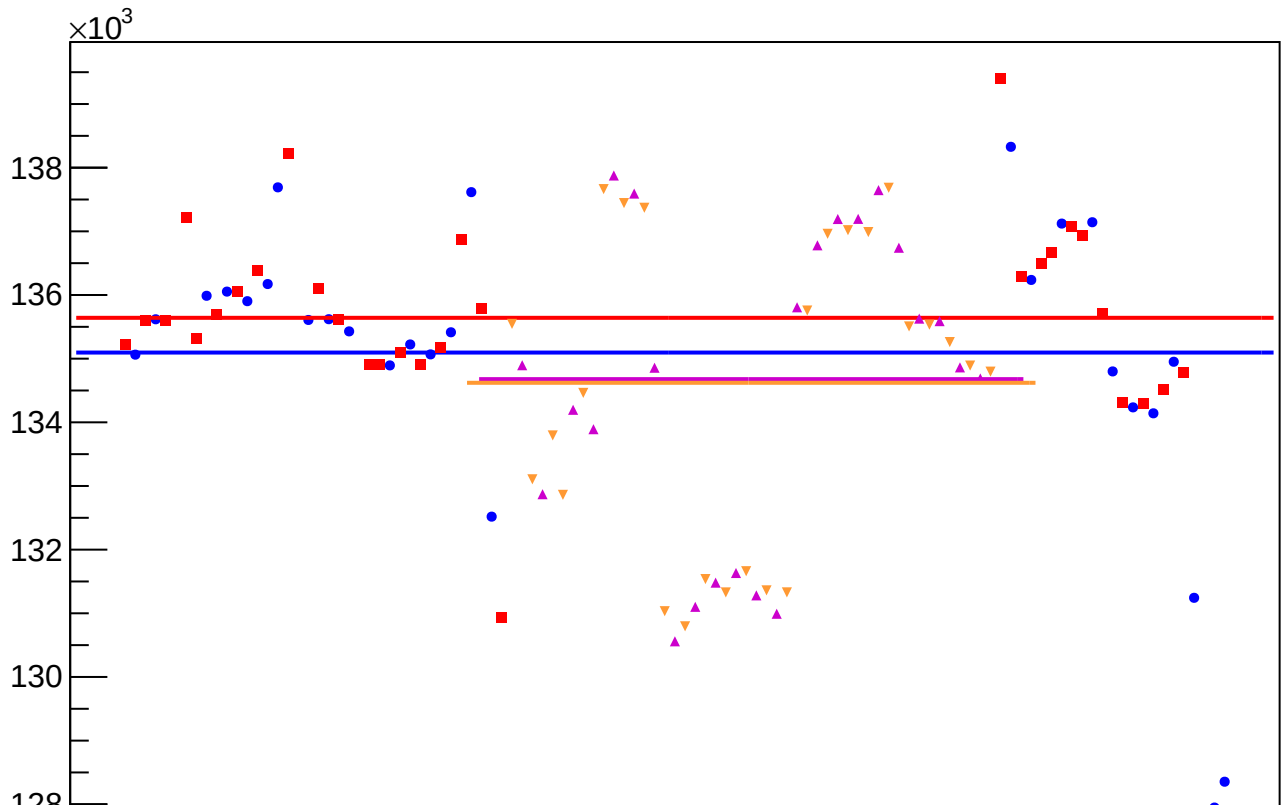
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 311.513+/-0.042 χ^2/NDF: 8324659.5/57

In: 305.474+/-0.039 χ^2/NDF:5402103.6/49

Out: 306.685+/-0.038 χ^2/NDF:4804487.5/55

All: 306.097+/-0.027 χ^2/NDF: 10207081.6/10



Right In: 135095.934+/-0.080 χ^2/NDF: 675373631.8/26

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135641.615+/-0.073 χ^2/NDF: 539200621.9/30

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

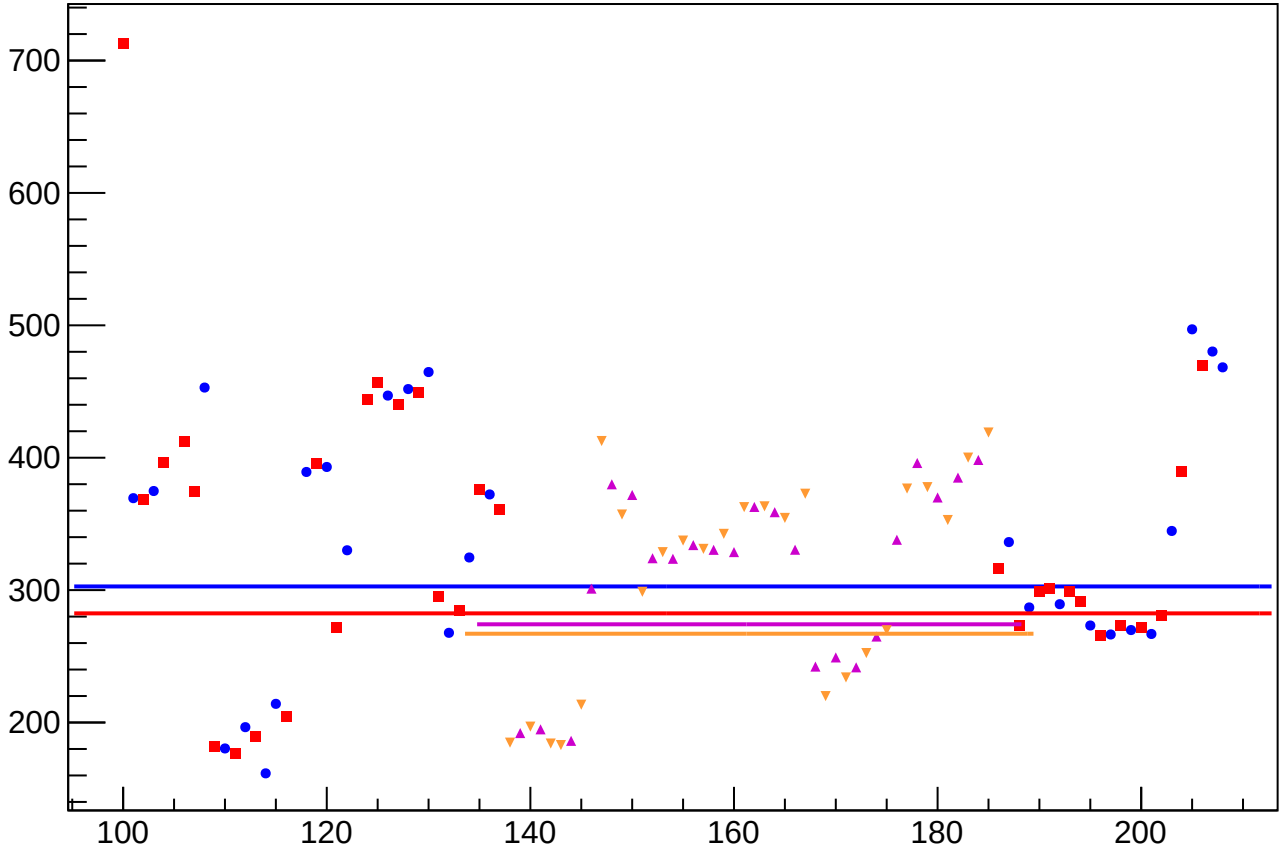
Right: 135392.918+/-0.054 χ^2/NDF: 1239866850.8/

In: 134850.157+/-0.051 χ^2/NDF:1787681424.8/49

Out: 135060.752+/-0.048 χ^2/NDF:1851183189.4/5

All: 134962.329+/-0.035 χ^2/NDF: 364783017

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 302.769+/-0.057 χ^2/NDF: 2311753.9/26

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 282.433+/-0.052 χ^2/NDF: 2200839.9/30

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

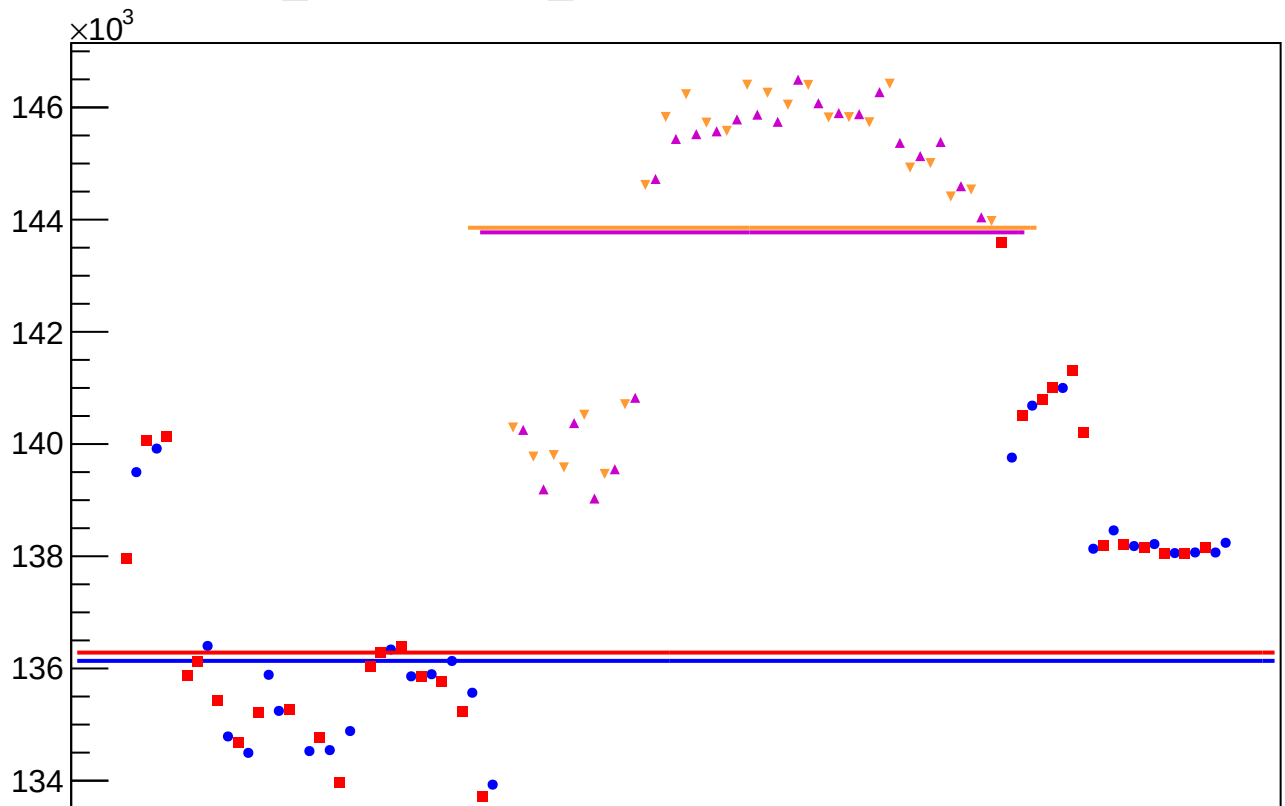
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 291.701+/-0.038 χ^2/NDF: 4582851.7/57

In: 285.935+/-0.036 χ^2/NDF:4698749.3/49

Out: 273.680+/-0.034 χ^2/NDF:5094322.3/55

All: 279.407+/-0.025 χ^2/NDF: 9853792.1/105



Right In: 136135.444+/-0.047 χ^2/NDF: 1552782188.9/26

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136283.358+/-0.045 χ^2/NDF: 2177336257.1/30

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

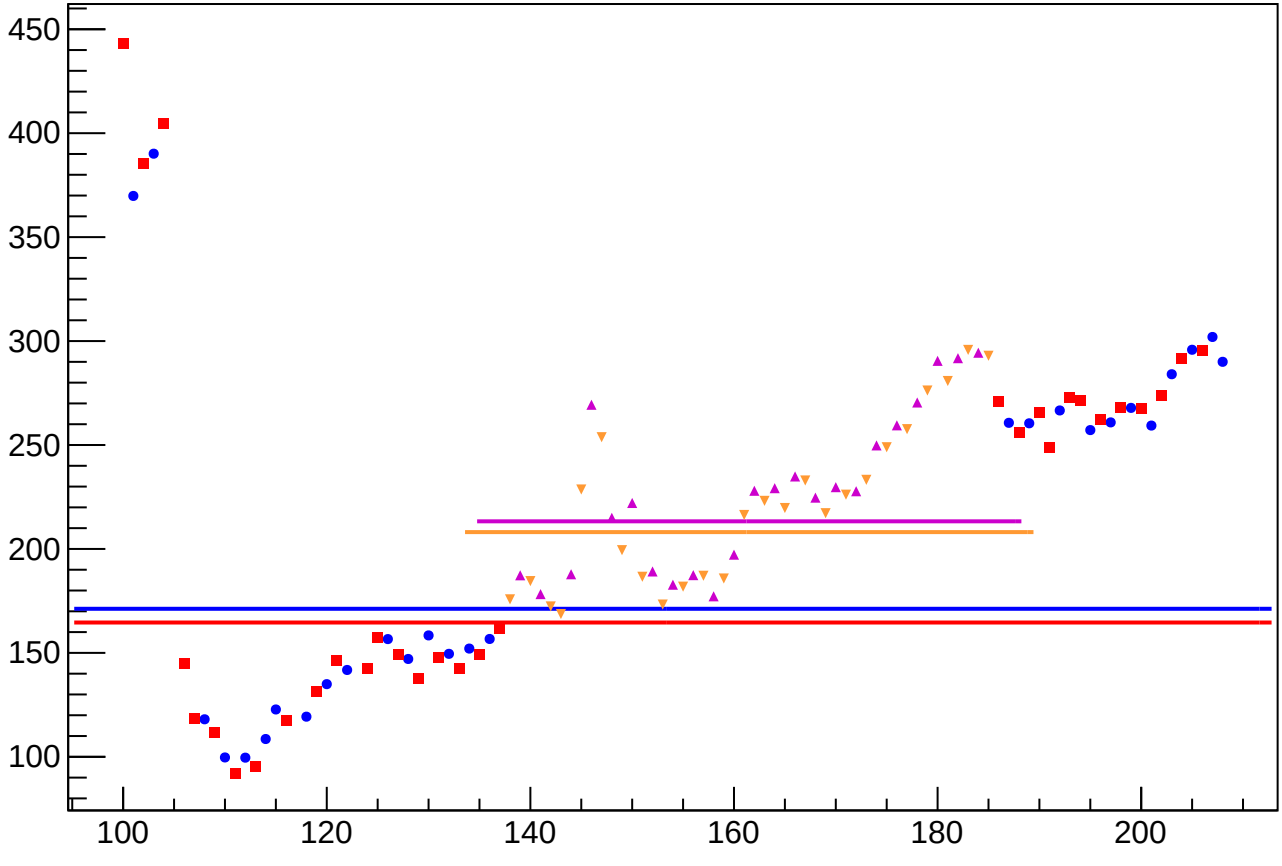
Right: 136212.952+/-0.033 χ^2/NDF: 3735261009.6/

In: 139666.367+/-0.035 χ^2/NDF:16452981731.1/4

Out: 139799.501+/-0.033 χ^2/NDF:18455884907.8

All: 139736.256+/-0.024 χ^2/NDF: 34916628

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 171.212+/-0.033 χ^2/NDF: 4627495.2/26

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 164.608+/-0.032 χ^2/NDF: 5181099.5/30

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

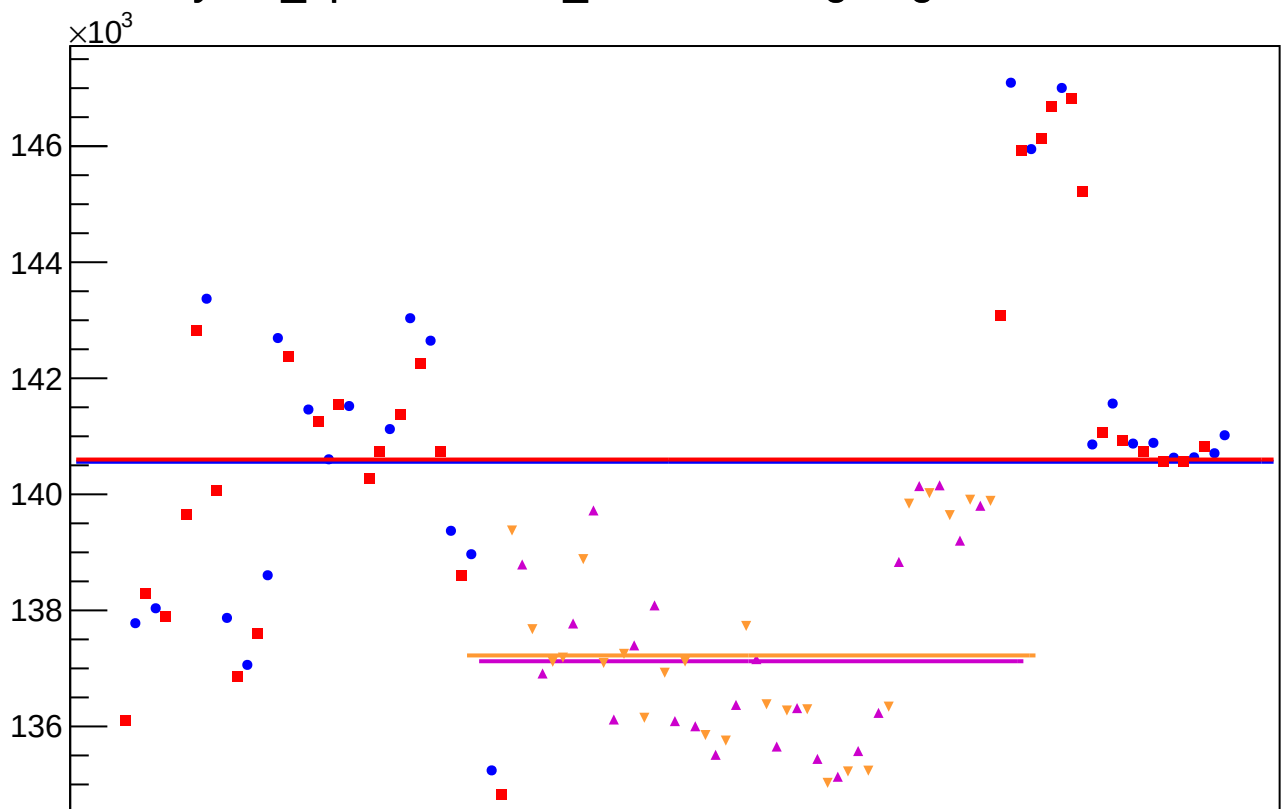
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 167.751+/-0.023 χ^2/NDF: 9829093.0/57

In: 190.664+/-0.024 χ^2/NDF:6227282.7/49

Out: 184.803+/-0.023 χ^2/NDF:7041546.9/55

All: 187.587+/-0.017 χ^2/NDF: 13298913.4/10



Right In: 140561.184+/-0.053 χ^2/NDF: 2809558599.1/26

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140599.867+/-0.051 χ^2/NDF: 3239694280.7/30

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

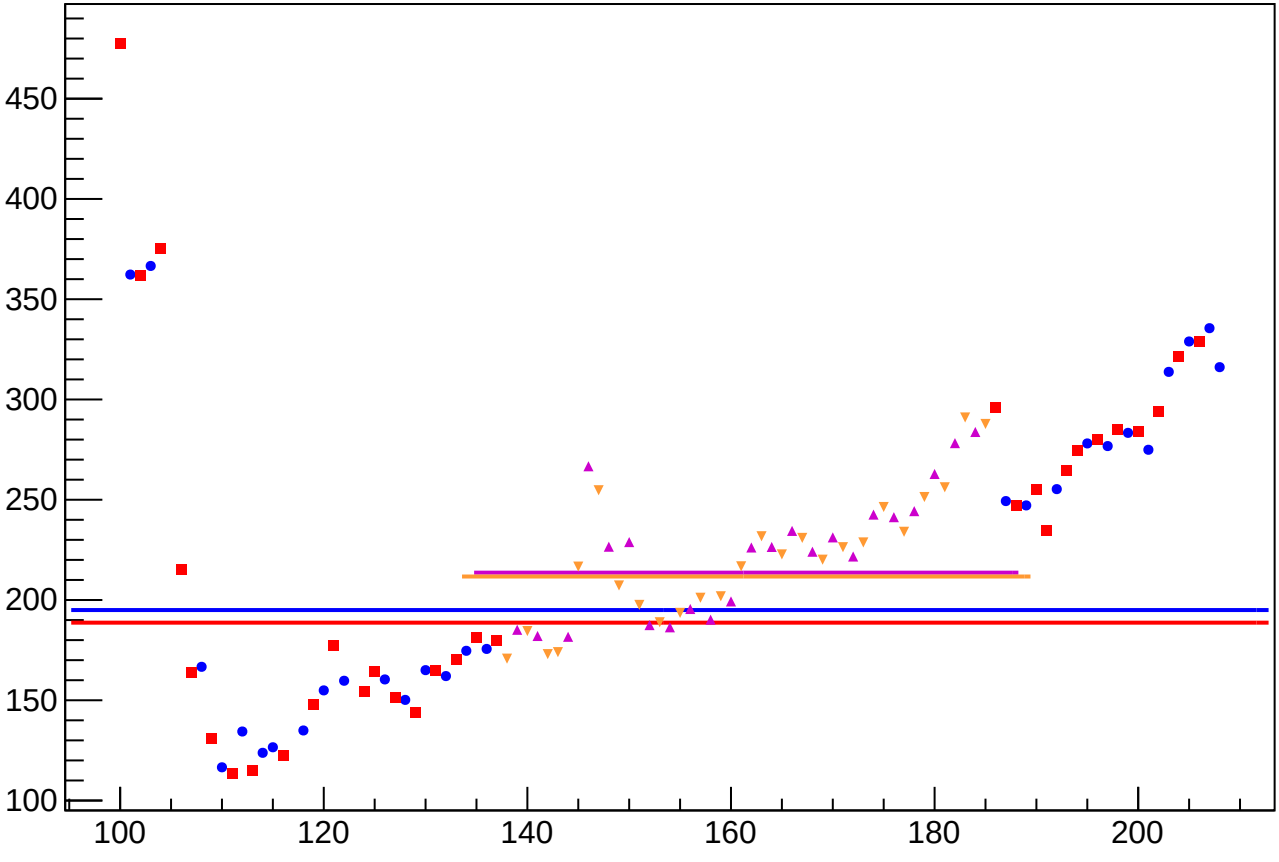
Right: 140581.383+/-0.036 χ^2/NDF: 6049533195.6/

In: 138779.773+/-0.037 χ^2/NDF:5867148093.9/49

Out: 138862.332+/-0.035 χ^2/NDF:6434108171.9/5

All: 138822.731+/-0.025 χ^2/NDF: 12303897

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 194.990+/-0.037 χ^2/NDF: 3593494.2/26

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 188.701+/-0.036 χ^2/NDF: 4003487.1/30

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

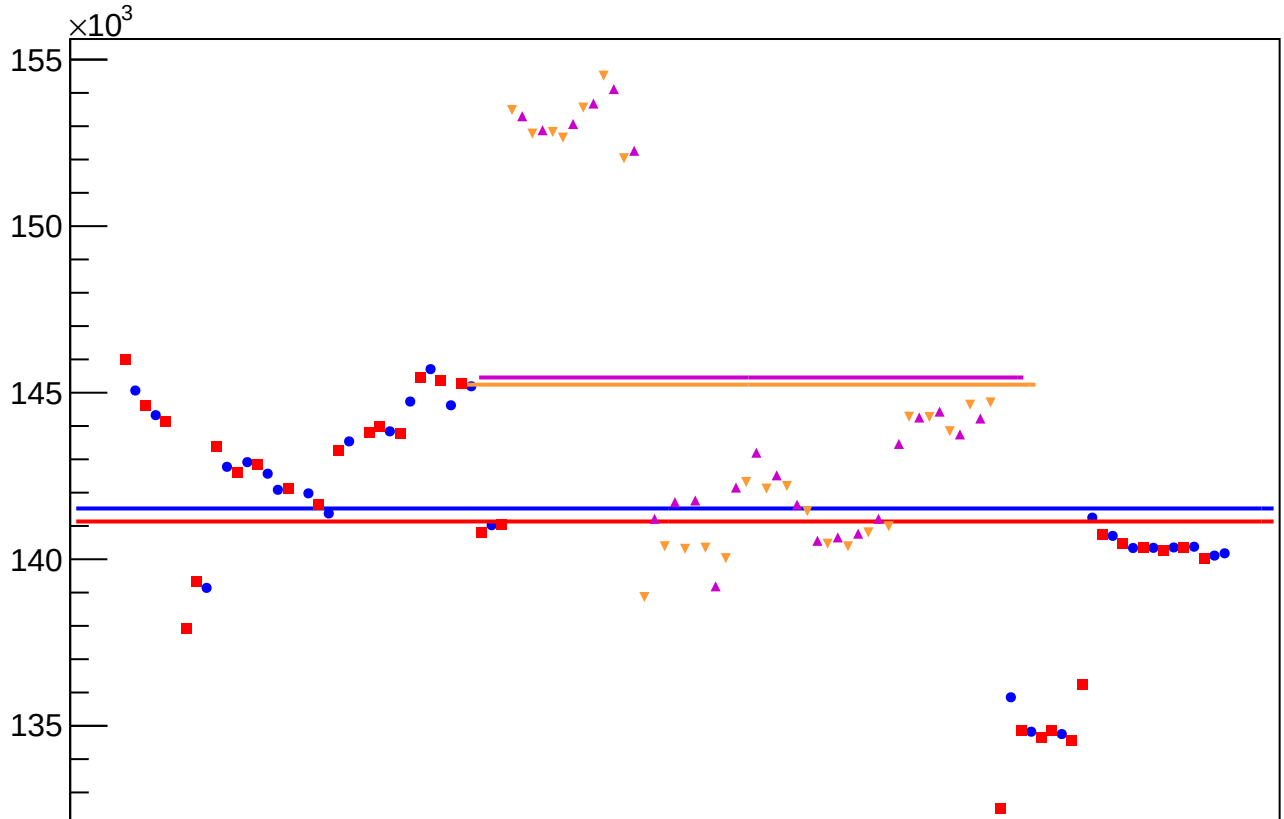
Right: 191.706+/-0.026 χ^2/NDF: 7611795.5/57

In: 204.655+/-0.026 χ^2/NDF:4344168.9/49

Out: 200.545+/-0.025 χ^2/NDF:4892766.6/55

All: 202.516+/-0.018 χ^2/NDF: 9250026.7/105

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 141524.511+/-0.053 χ^2/NDF: 2801429304.0/26

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141134.029+/-0.050 χ^2/NDF: 4409073645.4/30

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

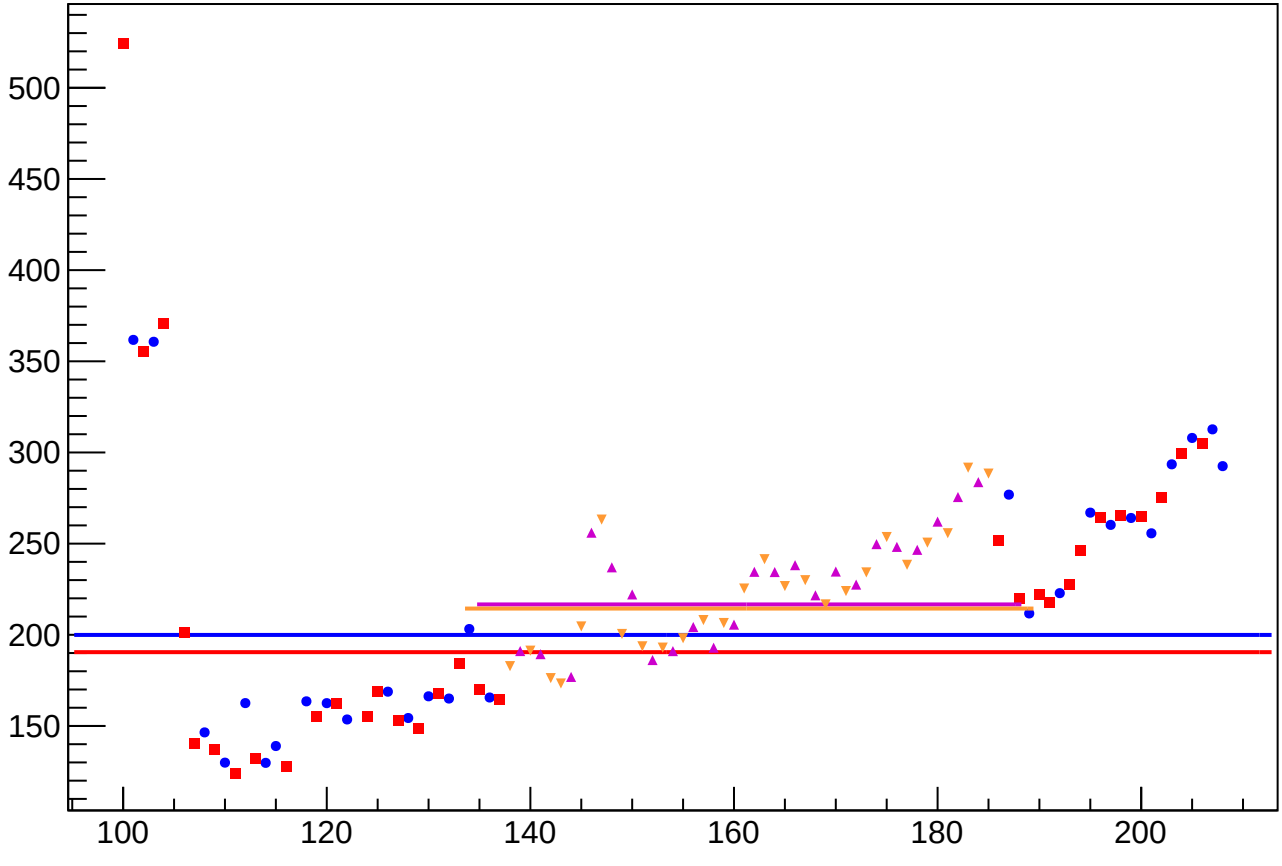
Right: 141317.325+/-0.036 χ^2/NDF: 7239087475.8/

In: 143551.427+/-0.037 χ^2/NDF:16690510538.6/4

Out: 143205.425+/-0.035 χ^2/NDF:20840699239.1

All: 143369.825+/-0.026 χ^2/NDF: 37577028

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 199.929+/-0.038 χ^2/NDF: 2600629.5/26

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 190.481+/-0.035 χ^2/NDF: 2897000.3/30

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

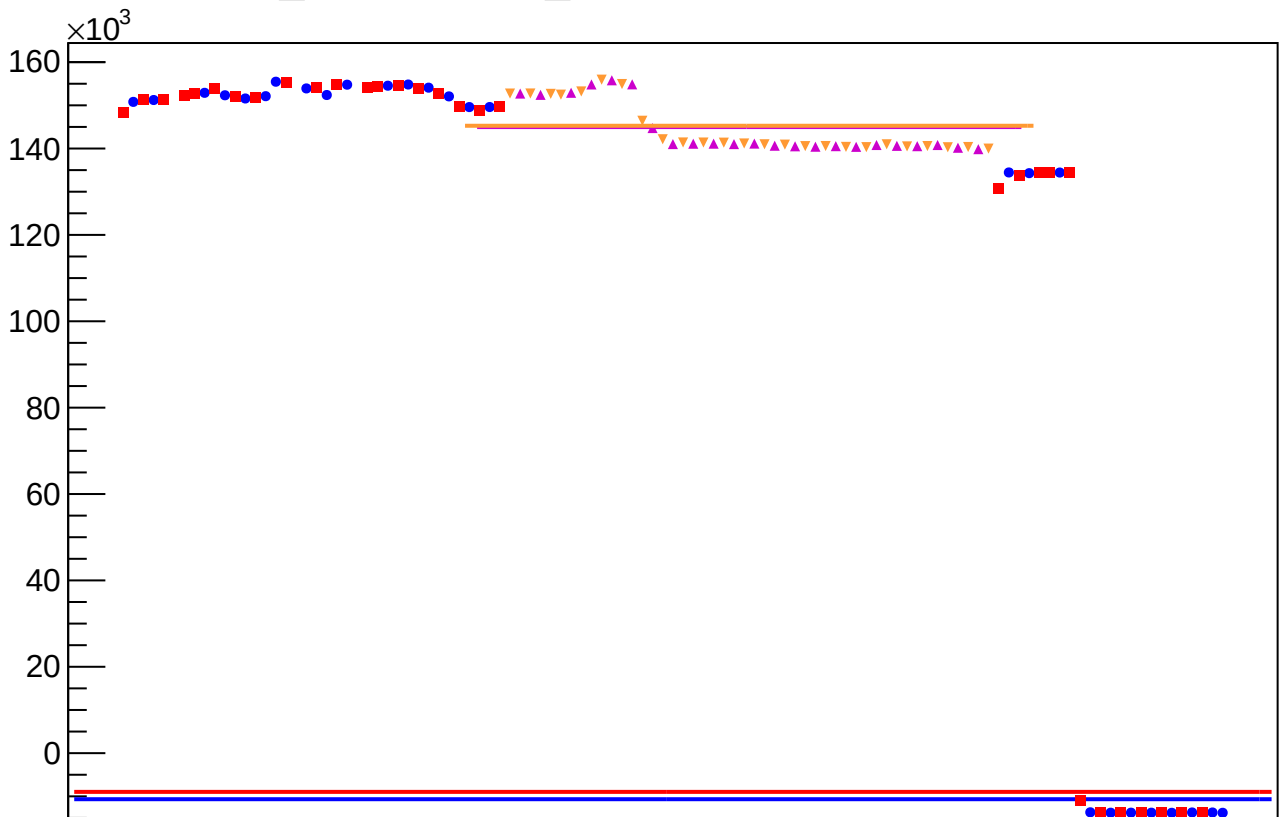
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 194.916+/-0.026 χ^2/NDF: 5531097.2/57

In: 208.550+/-0.026 χ^2/NDF:3289686.9/49

Out: 202.537+/-0.025 χ^2/NDF:3770613.2/55

All: 205.394+/-0.018 χ^2/NDF: 7087982.9/105



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

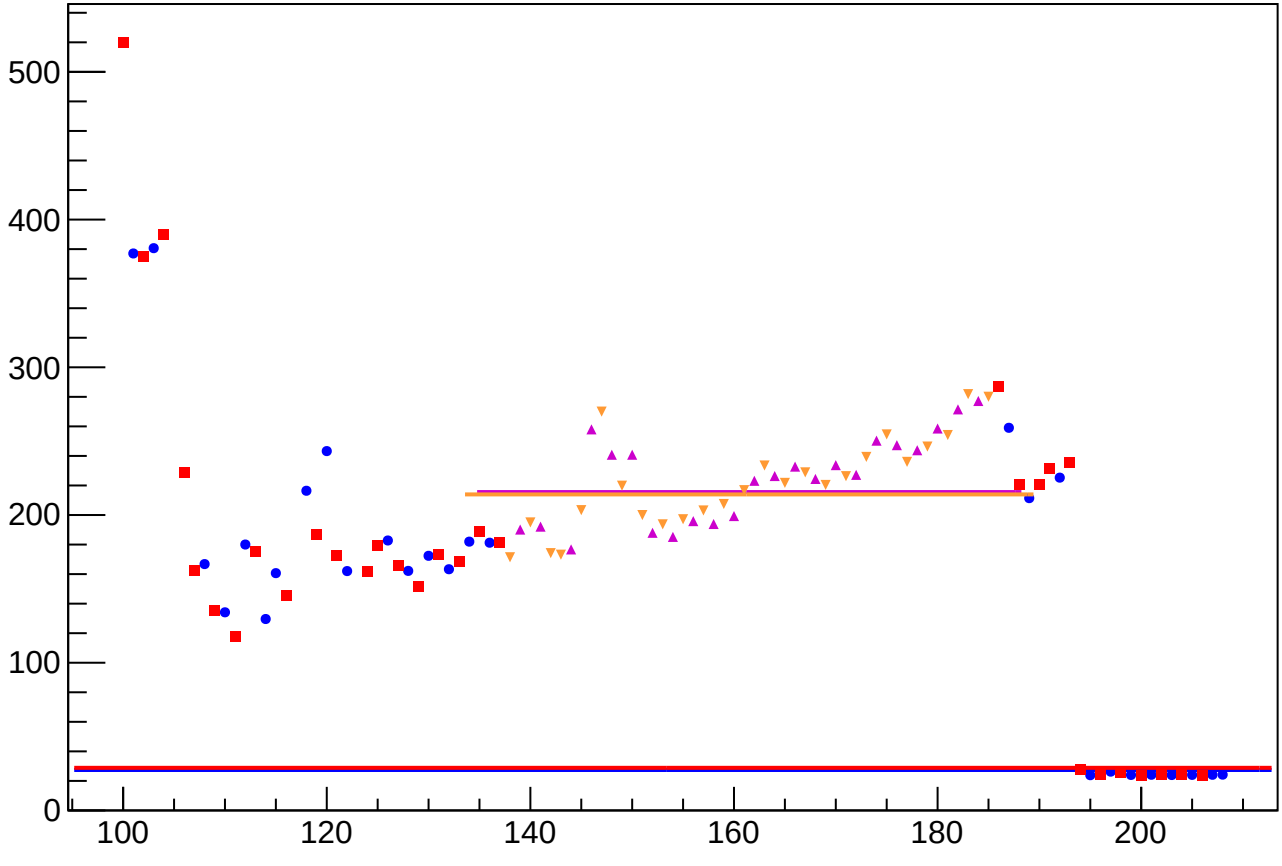
Right: -9895.525+/-0.007 χ^2/NDF: 1299122424533

In: -5778.601+/-0.009 χ^2/NDF:14831552432253.2

Out: -2722.730+/-0.010 χ^2/NDF:16477261286041

All: -4389.268+/-0.007 χ^2/NDF: 3136040070

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

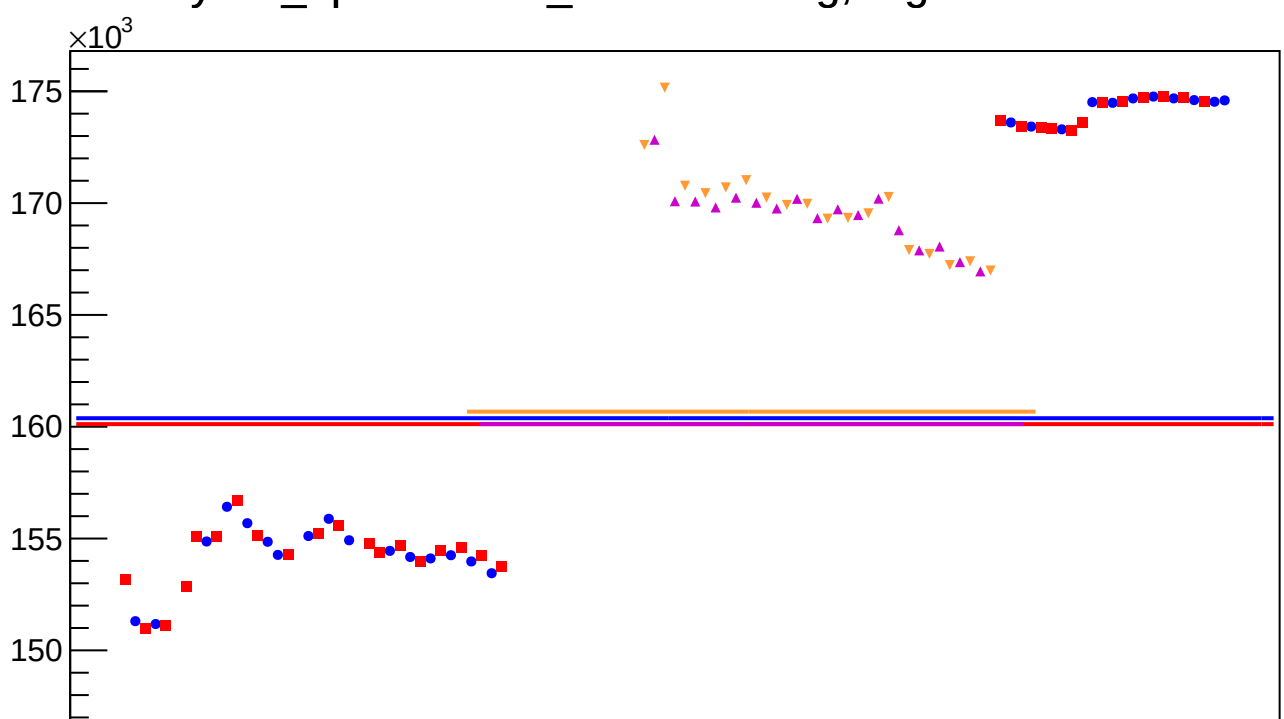
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.059+/-0.005 χ^2/NDF: 27058849.1/57

In: 33.302+/-0.006 χ^2/NDF:39419962.9/49

Out: 36.352+/-0.007 χ^2/NDF:41974964.5/55

All: 34.689+/-0.005 χ^2/NDF: 81497727.4/105



Right In: 160381.101+/-0.055 χ^2/NDF: 26340914891.3/26

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160116.035+/-0.052 χ^2/NDF: 27881264448.9/30

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

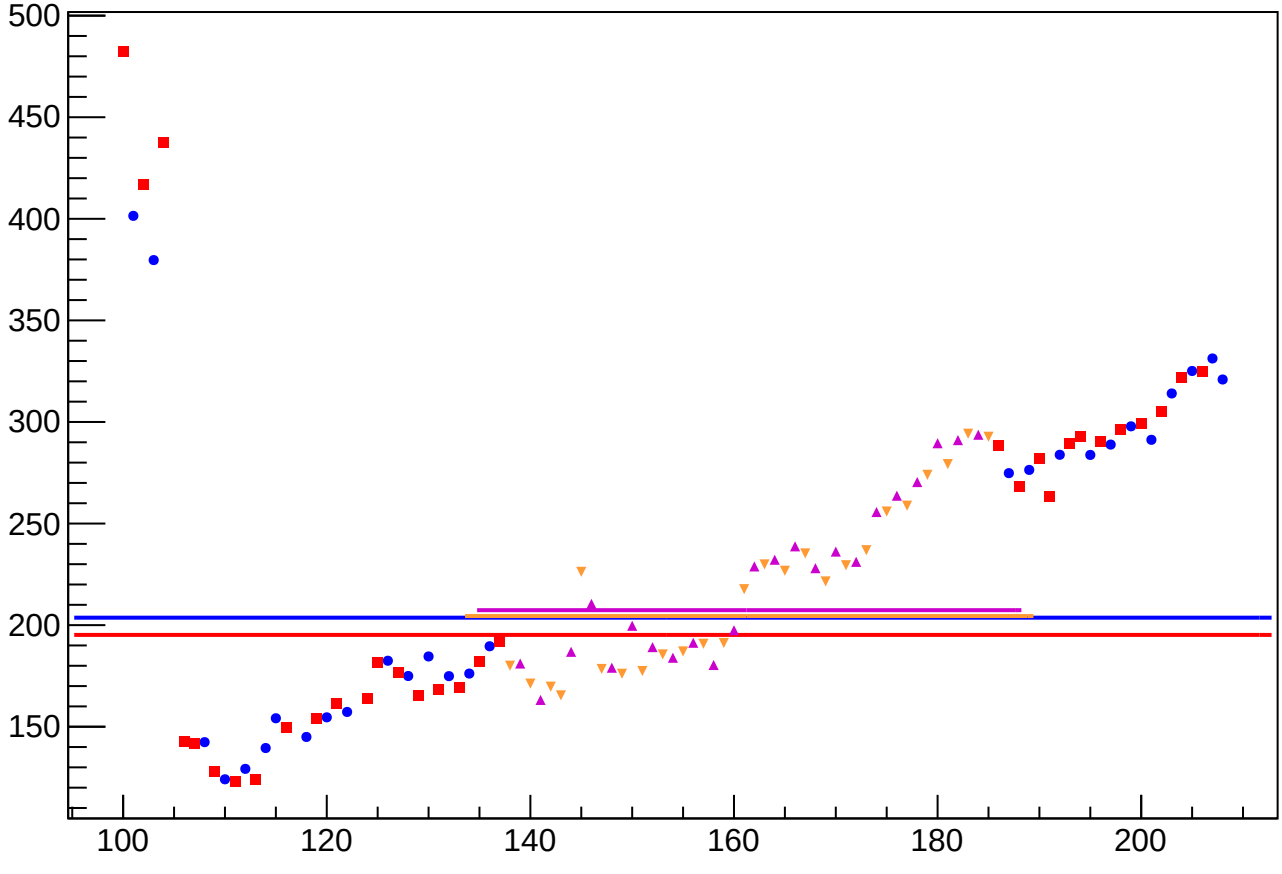
Right: 160241.065+/-0.038 χ^2/NDF: 54234448295.5

In: 160235.165+/-0.037 χ^2/NDF:92906823794.0/4

Out: 160421.138+/-0.035 χ^2/NDF:102099511187.

All: 160332.641+/-0.025 χ^2/NDF: 19501975

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 203.677+/-0.039 χ^2/NDF: 3590447.8/26

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 195.188+/-0.037 χ^2/NDF: 4111836.8/30

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

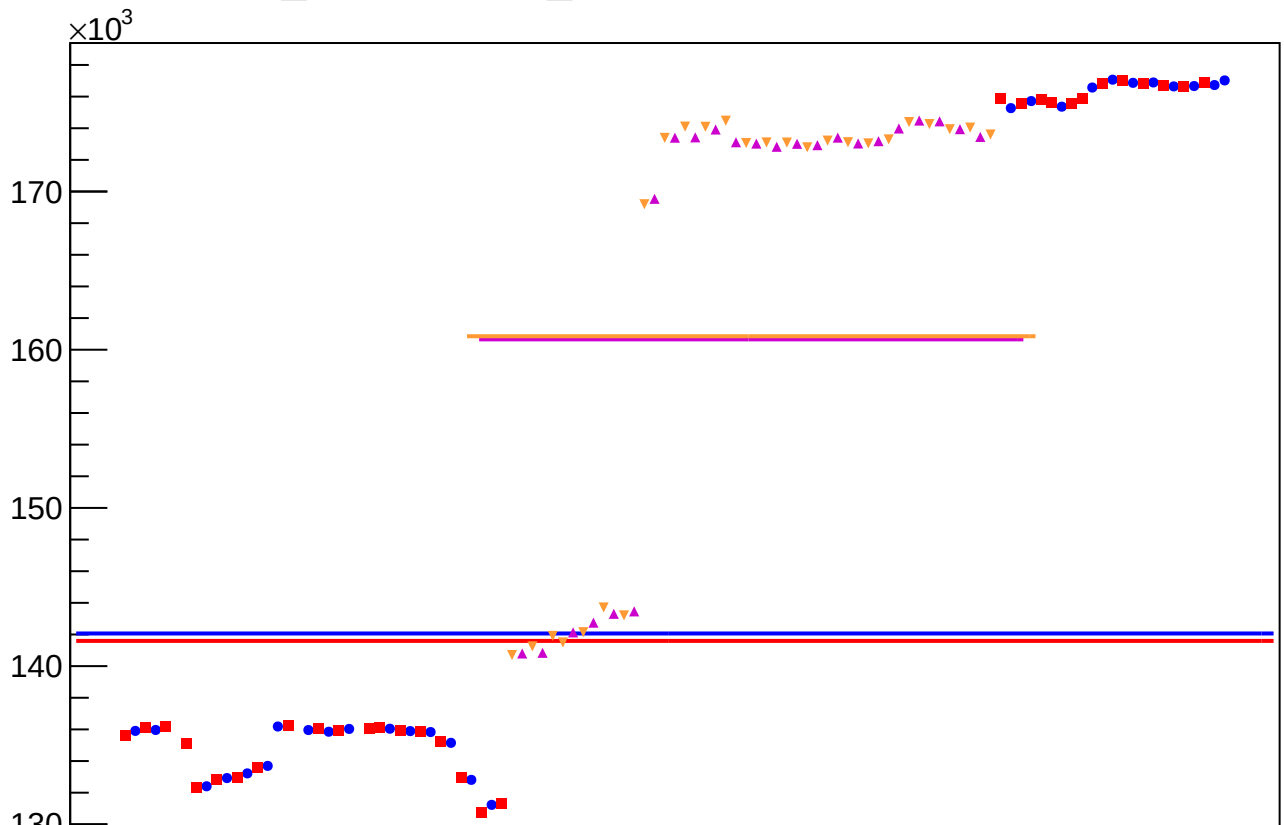
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 199.192+/-0.027 χ^2/NDF: 7727454.0/57

In: 205.720+/-0.026 χ^2/NDF:4552077.3/49

Out: 200.259+/-0.025 χ^2/NDF:5219913.2/55

All: 202.858+/-0.018 χ^2/NDF: 9795135.0/105



Right In: 142063.302+/-0.046 χ^2/NDF: 128517631506.0/26

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141594.500+/-0.044 χ^2/NDF: 136710314517.2/30

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

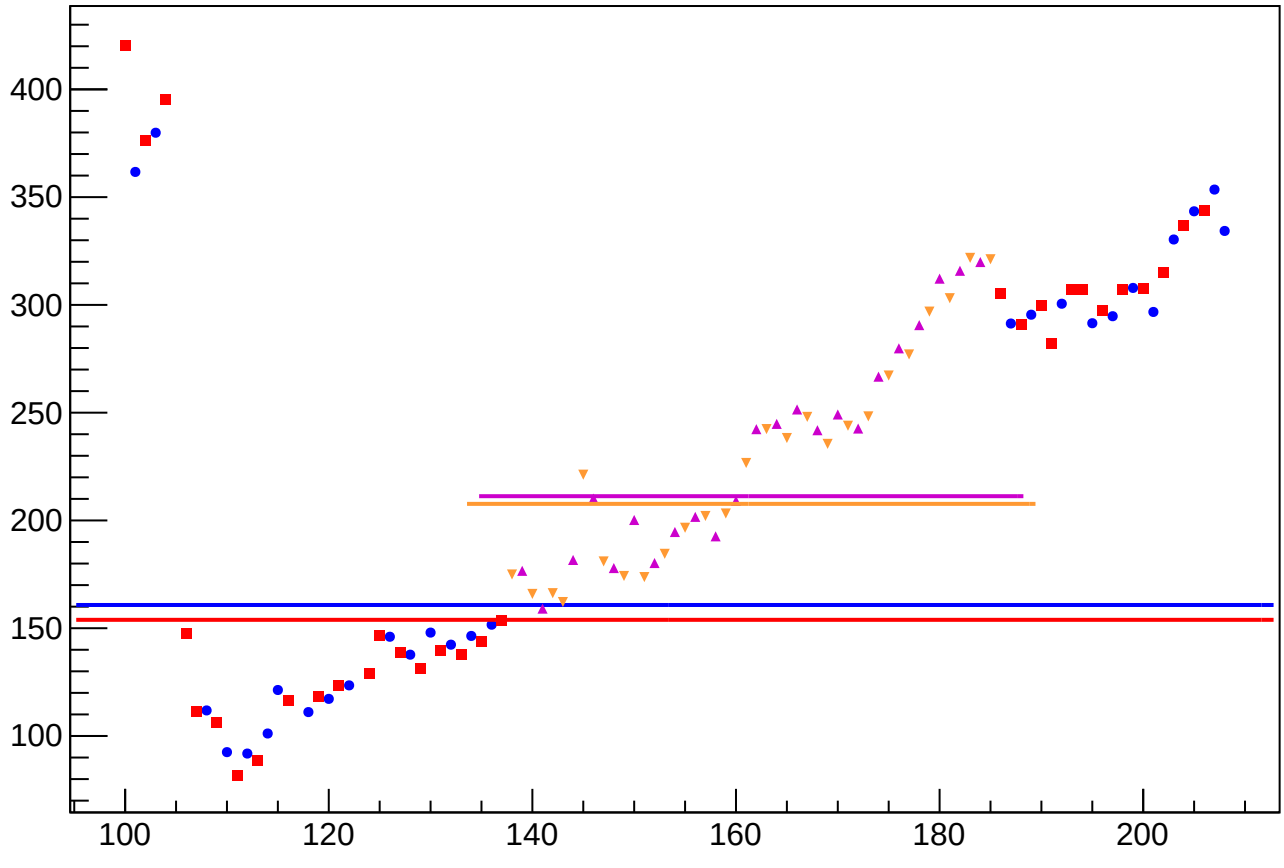
Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

Right: 141816.631+/-0.032 χ^2/NDF: 26528282906

In: 150454.667+/-0.034 χ^2/NDF:292706831754.0

Out: 150206.122+/-0.032 χ^2/NDF:323311654449.

All: 150324.358+/-0.023 χ^2/NDF: 61604650



Right In: 160.780+/-0.032 χ^2/NDF: 6477071.4/26

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 153.893+/-0.031 χ^2/NDF: 7126180.0/30

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

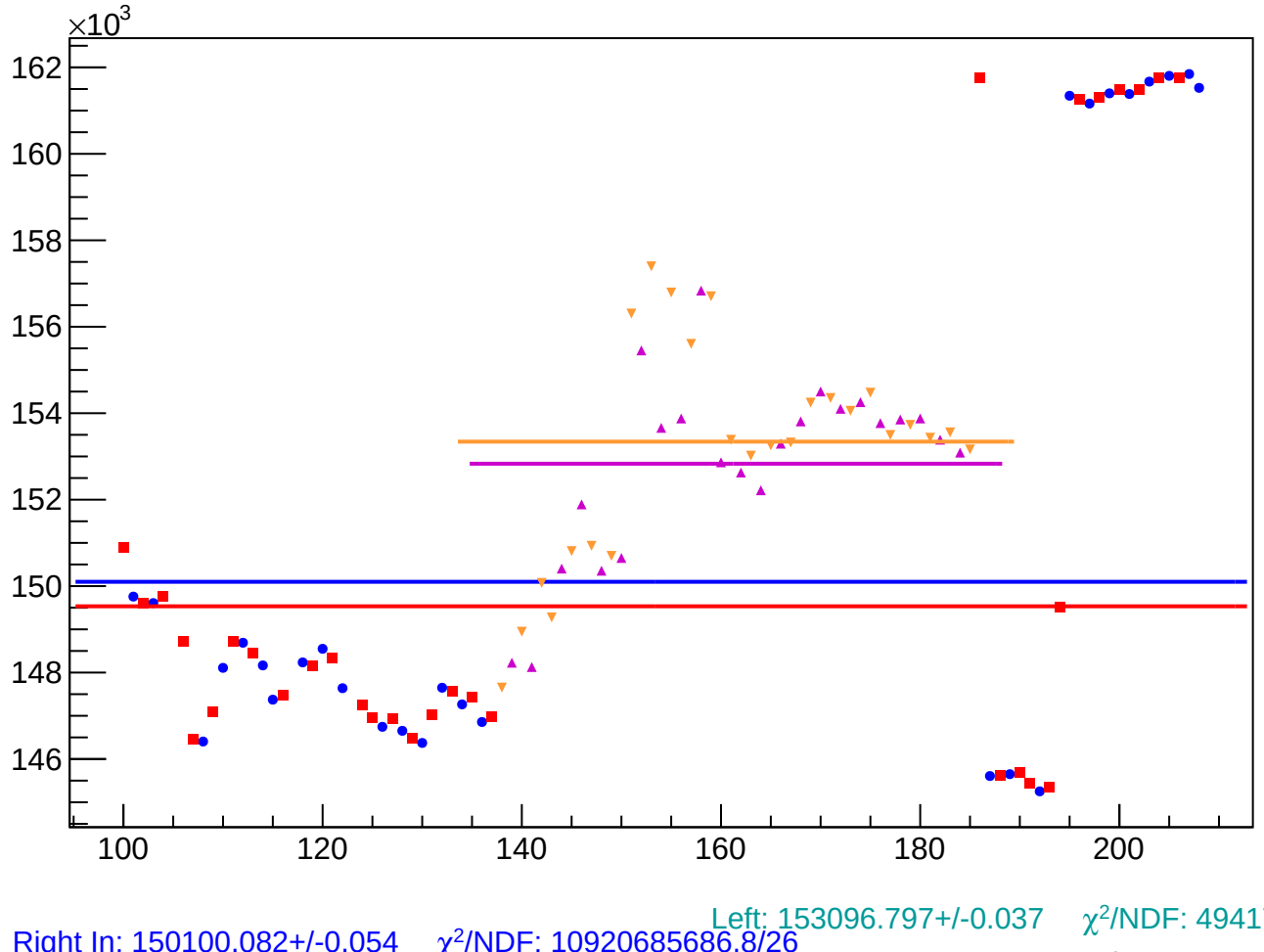
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 157.156+/-0.022 χ^2/NDF: 13626943.0/57

In: 183.563+/-0.024 χ^2/NDF:8874324.0/49

Out: 177.951+/-0.023 χ^2/NDF:9991097.5/55

All: 180.620+/-0.017 χ^2/NDF: 18893989.8/10



Right In: 150100.082+/-0.054 χ^2/NDF: 10920685686.8/26

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149533.111+/-0.051 χ^2/NDF: 9542002985.0/30

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

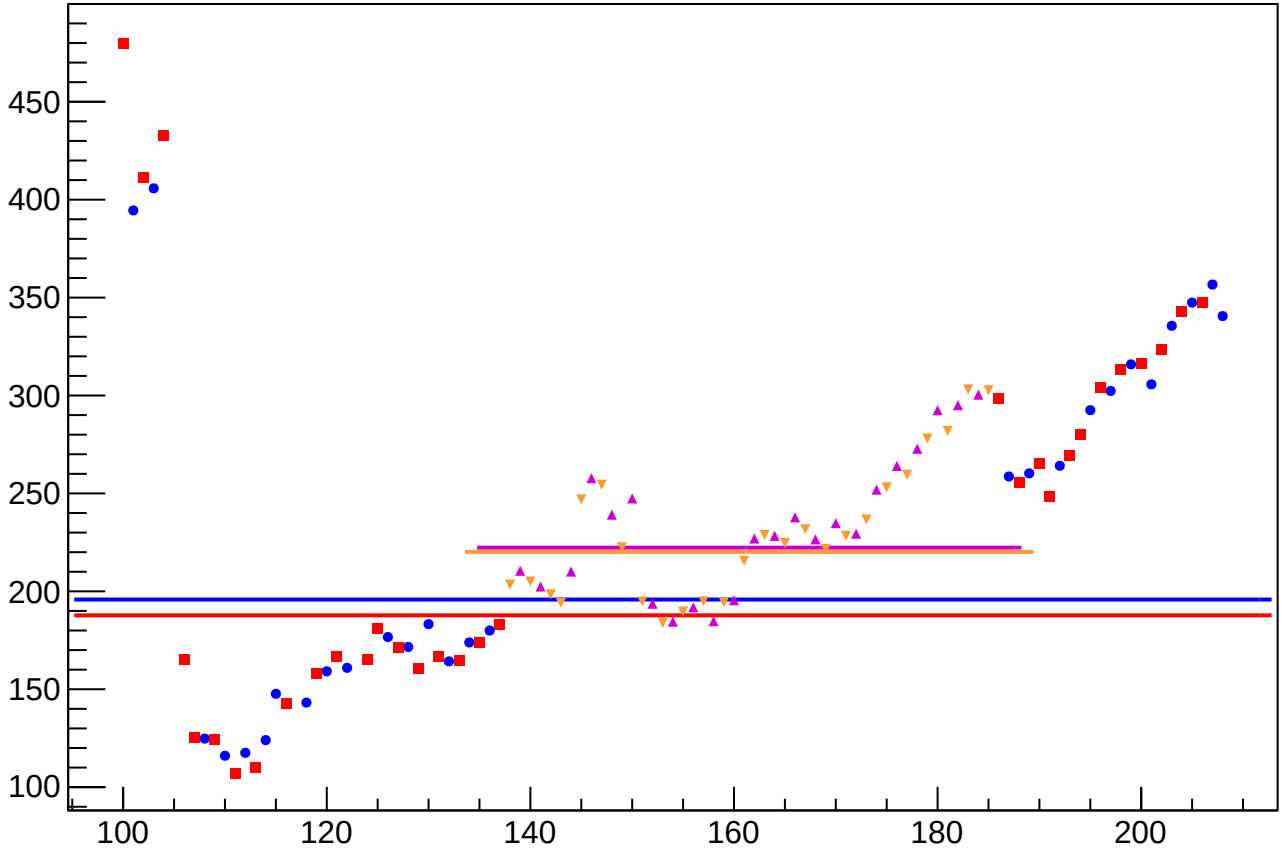
Right: 149800.657+/-0.037 χ^2/NDF: 20521567254.

In: 151488.736+/-0.038 χ^2/NDF:14150530090.3/4

Out: 151436.195+/-0.036 χ^2/NDF:15334574127.2

All: 151461.222+/-0.026 χ^2/NDF: 29486124

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 195.821+/-0.038 χ^2/NDF: 4423808.9/26

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 187.741+/-0.036 χ^2/NDF: 4830160.6/30

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

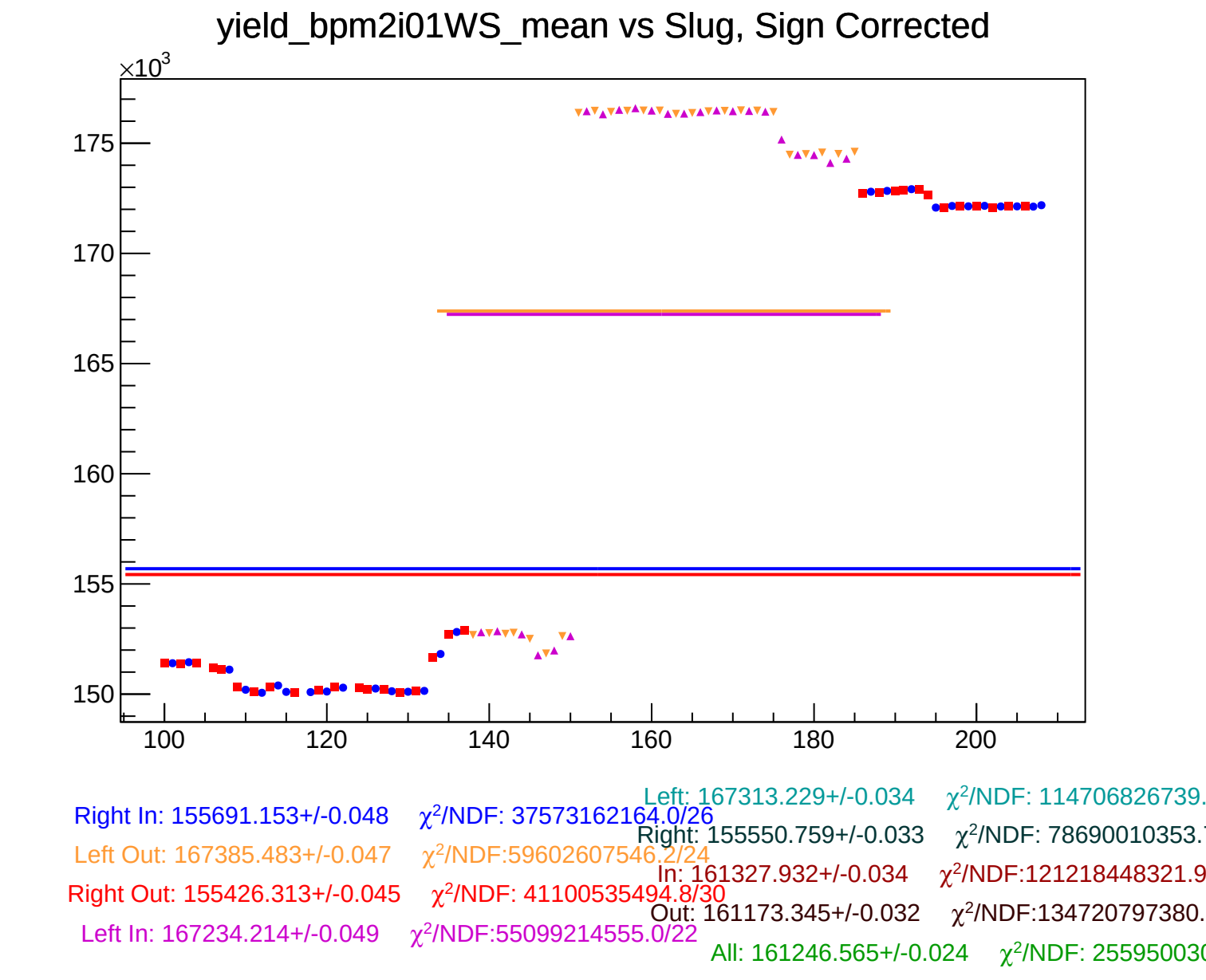
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 191.554+/-0.026 χ^2/NDF: 9277888.5/57

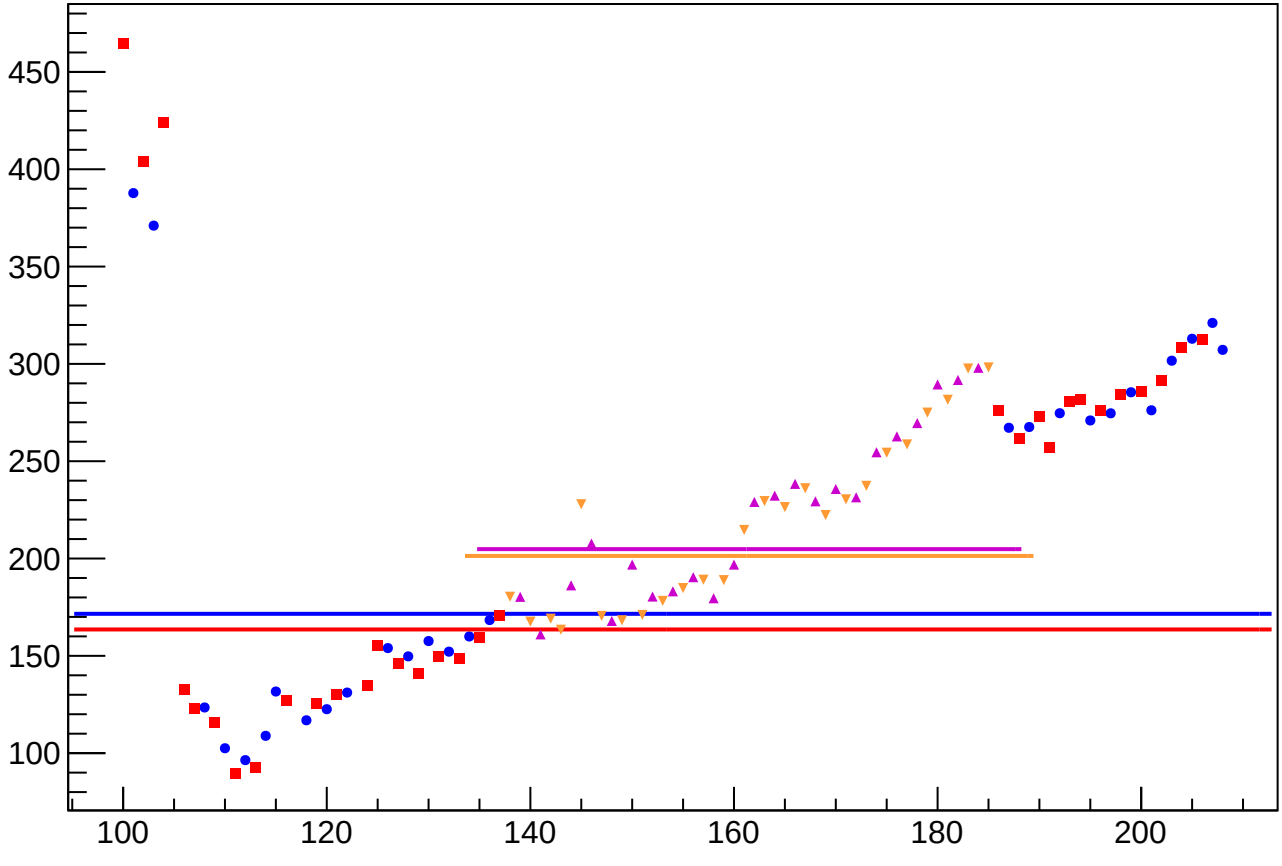
In: 209.286+/-0.027 χ^2/NDF:5368757.7/49

Out: 203.935+/-0.025 χ^2/NDF:5923254.2/55

All: 206.483+/-0.018 χ^2/NDF: 11313170.4/10


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
Right In: 155691.153+/-0.048 χ²/NDF: 37573162164.0/26
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 155426.313+/-0.045 χ²/NDF: 41100535494.8/30
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 155550.759+/-0.033 χ²/NDF: 78690010353.
In: 161327.932+/-0.034 χ²/NDF:121218448321.9
Out: 161173.345+/-0.032 χ²/NDF:134720797380.
All: 161246.565+/-0.024 χ²/NDF: 25595003

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

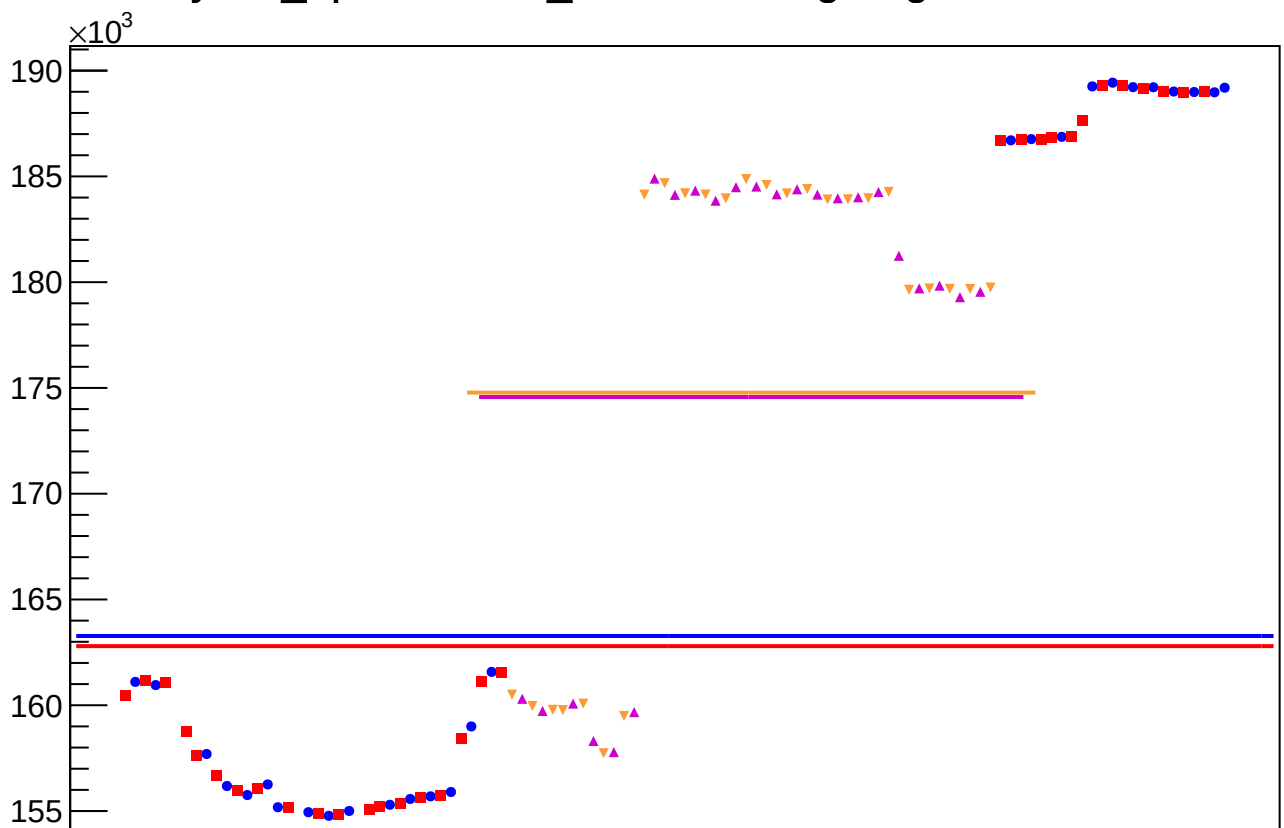
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 167.330+/-0.023 χ^2/NDF: 10898873.7/57

In: 187.820+/-0.024 χ^2/NDF:6634242.5/49

Out: 181.707+/-0.023 χ^2/NDF:7670469.5/55

All: 184.602+/-0.017 χ^2/NDF: 14338442.9/10



Right In: 163275.175+/-0.050 χ^2/NDF: 69127472808.5/26

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162795.750+/-0.048 χ^2/NDF: 72418605275.6/30

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

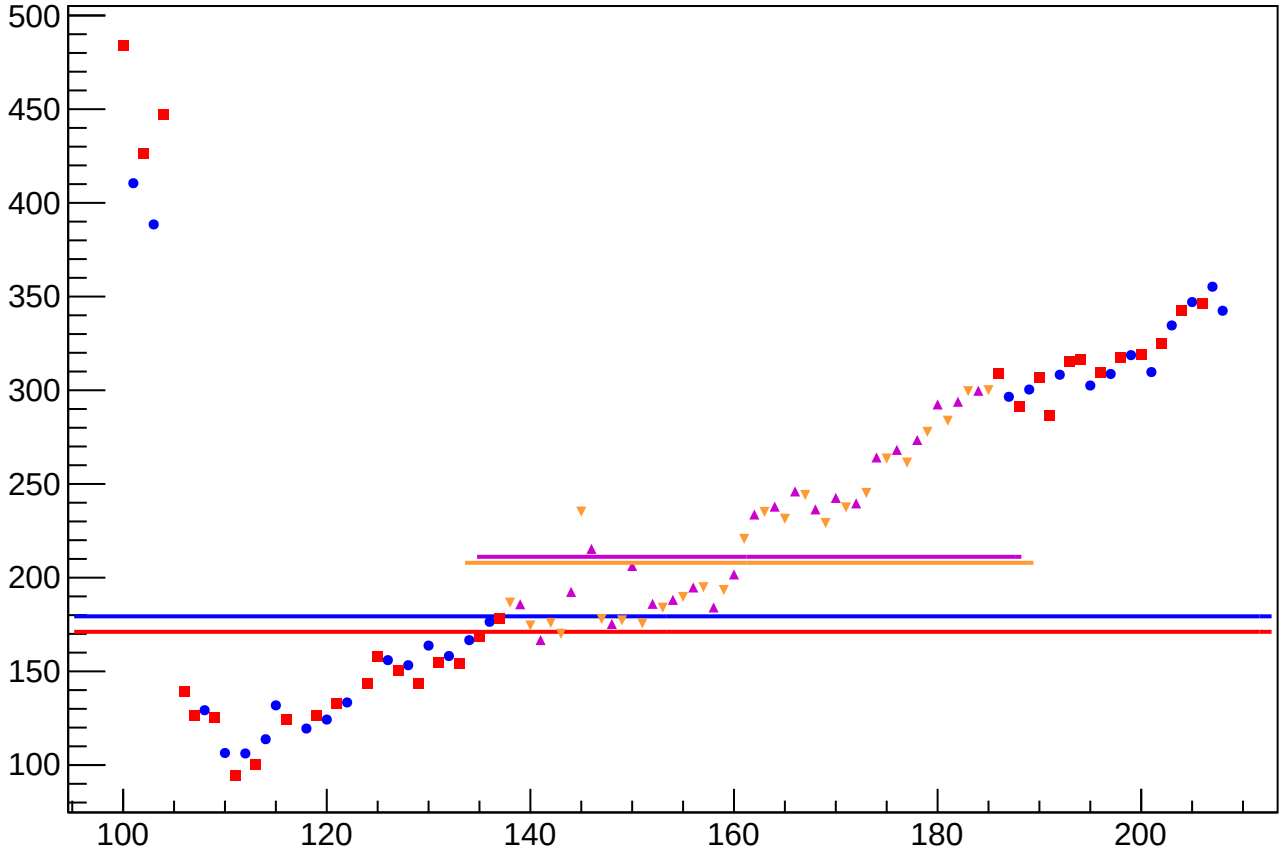
Right: 163021.132+/-0.035 χ^2/NDF: 14159391509

In: 168936.373+/-0.036 χ^2/NDF:148999706739.2

Out: 168703.196+/-0.034 χ^2/NDF:161895508769.

All: 168813.776+/-0.025 χ^2/NDF: 31091772

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 179.368+/-0.036 χ^2/NDF: 5663022.8/26

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 171.110+/-0.034 χ^2/NDF: 6319261.4/30

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

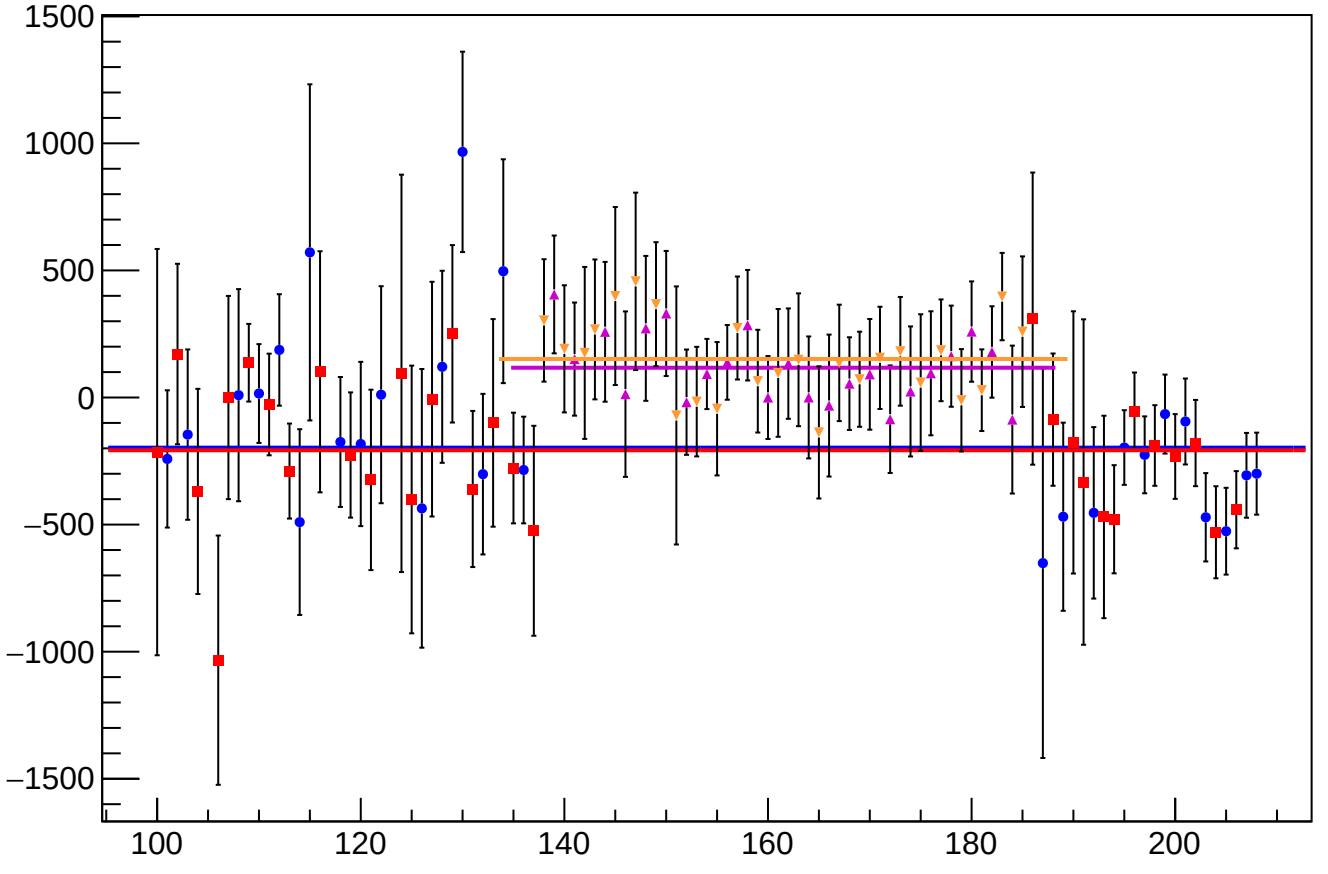
Right: 174.992+/-0.024 χ^2/NDF: 12010674.4/57

In: 195.290+/-0.025 χ^2/NDF:7054023.2/49

Out: 189.263+/-0.024 χ^2/NDF:8043391.1/55

All: 192.121+/-0.017 χ^2/NDF: 15127484.4/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -207.512+/-45.060 χ^2/NDF: 24.0/30

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

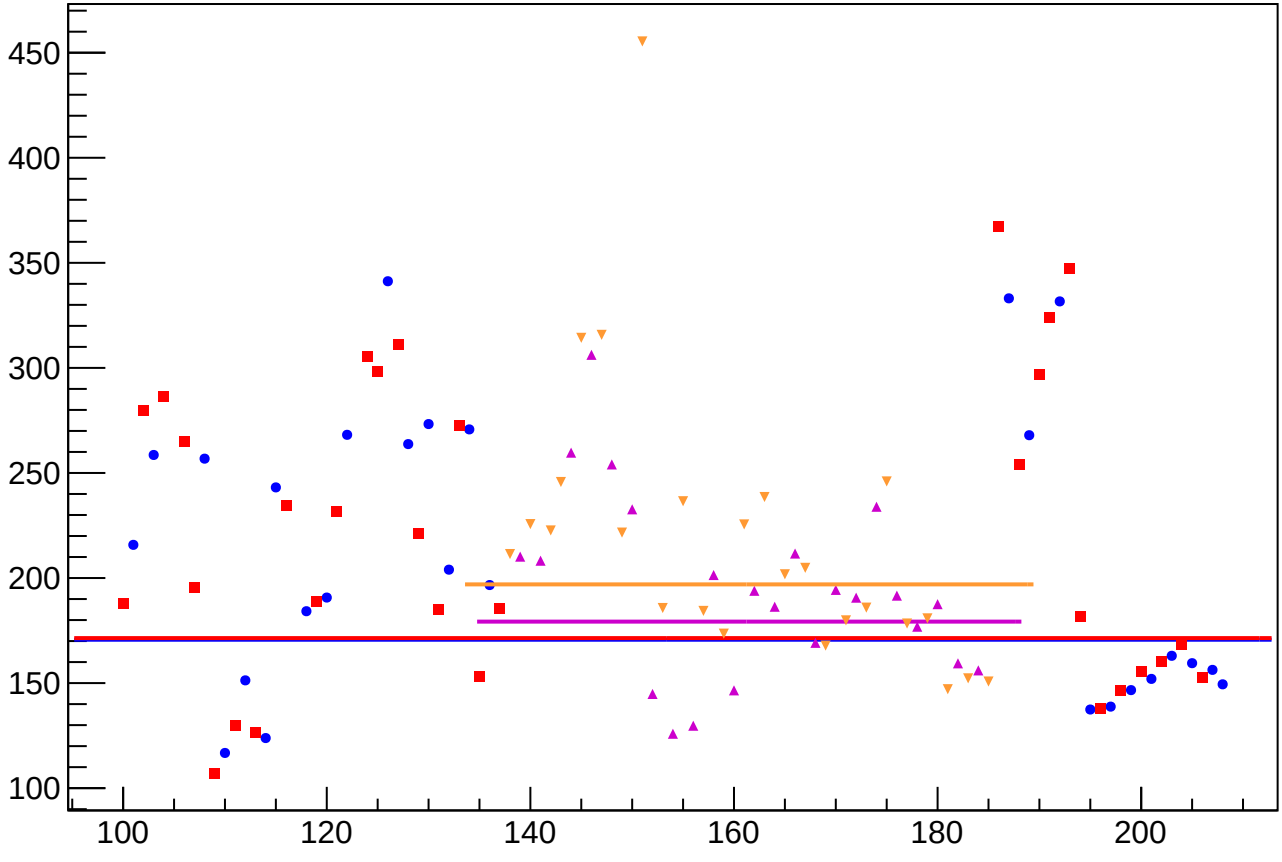
Right: -202.388+/-31.799 χ^2/NDF: 52.8/57

In: -36.157+/-31.339 χ^2/NDF:61.4/49

Out: -33.290+/-32.332 χ^2/NDF:64.4/55

All: -34.768+/-22.503 χ^2/NDF: 125.8/105

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

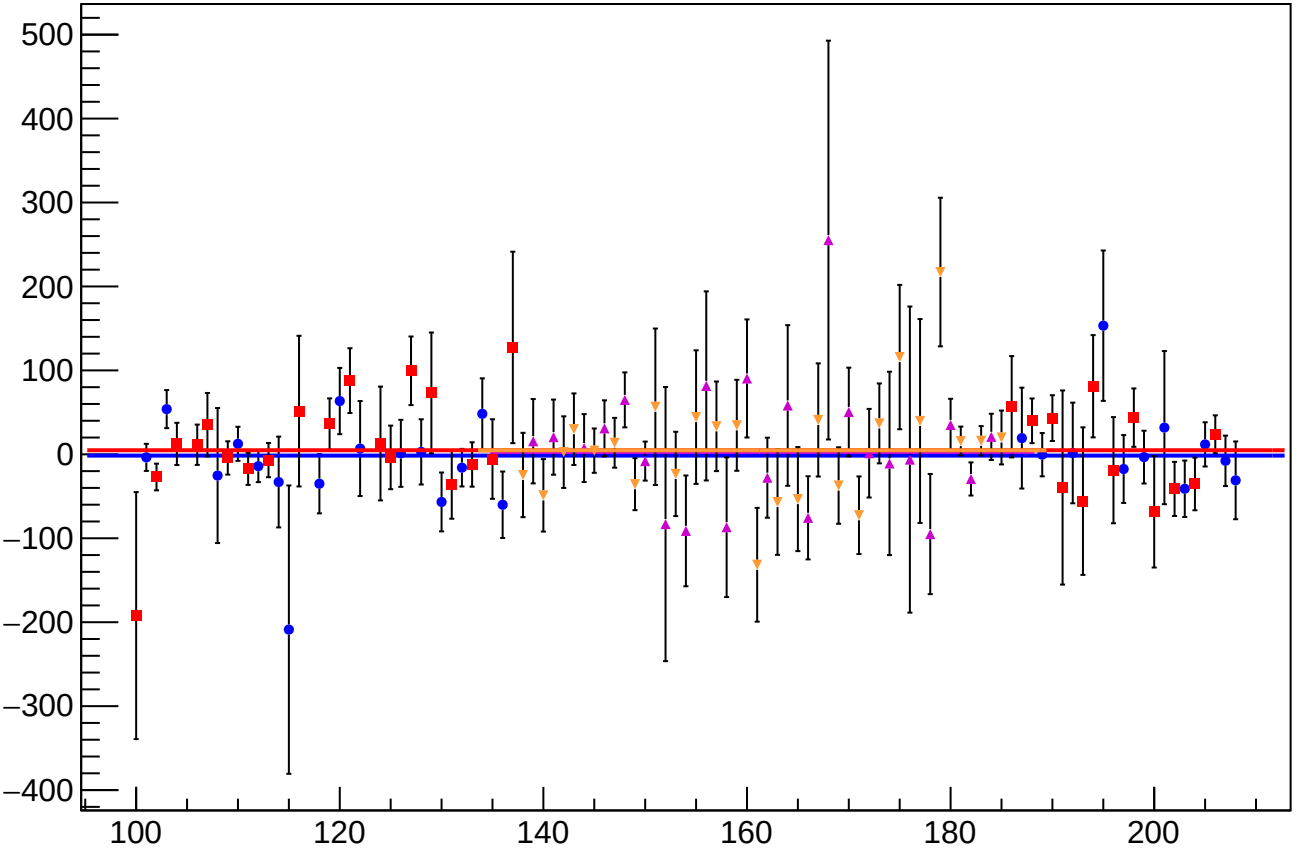
Right: 171.023+/-0.022 χ^2/NDF: 5135447.7/57

In: 175.054+/-0.022 χ^2/NDF:3932259.0/49

Out: 183.813+/-0.023 χ^2/NDF:5018327.4/55

All: 179.297+/-0.016 χ^2/NDF: 9026266.0/105

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -1.509+/-6.156 χ^2/NDF: 24.4/26

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 4.872+/-5.718 χ^2/NDF: 37.0/30

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

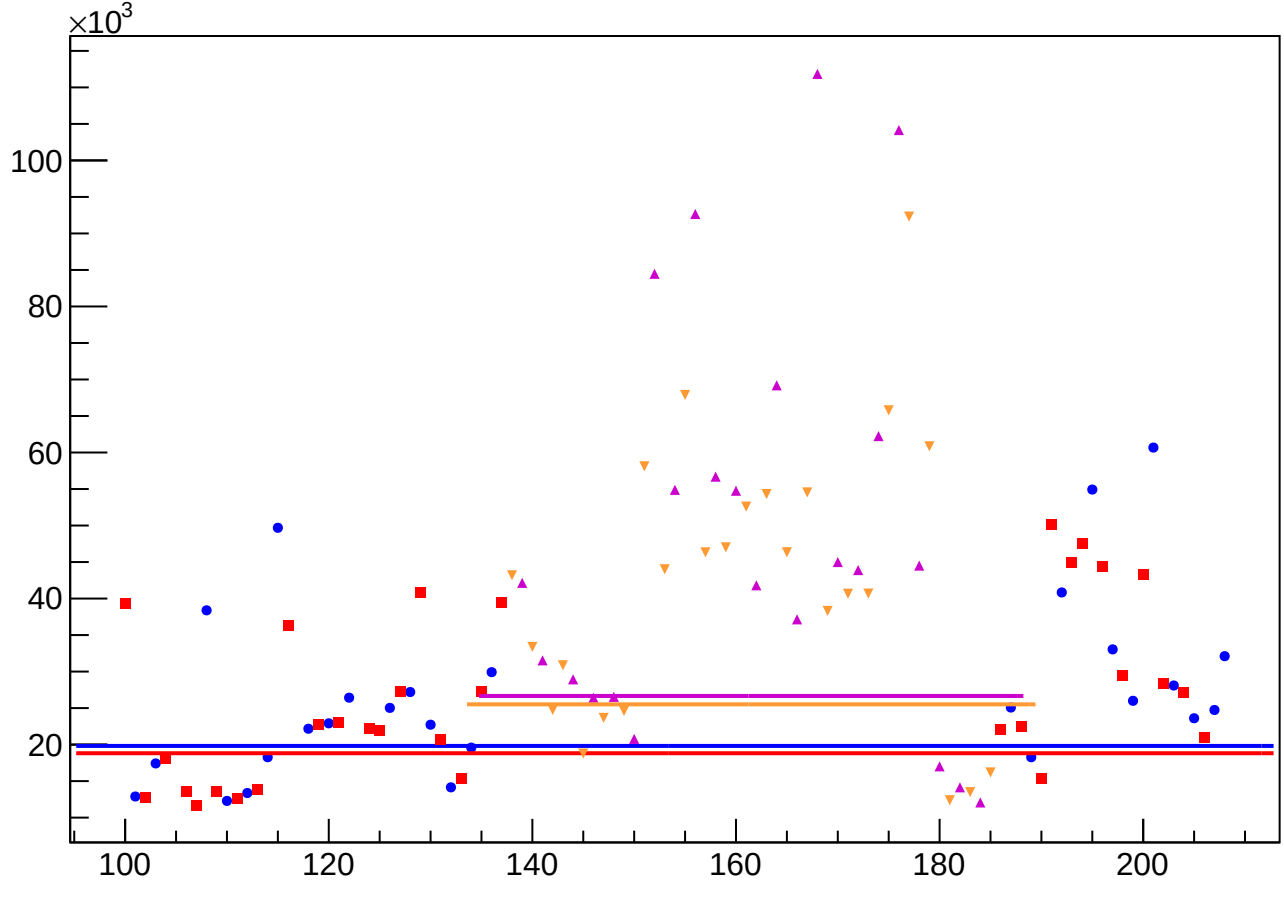
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.916+/-4.190 χ^2/NDF: 62.0/57

In: -0.063+/-5.052 χ^2/NDF:46.1/49

Out: 4.847+/-4.570 χ^2/NDF:61.4/55

All: 2.637+/-3.389 χ^2/NDF: 107.9/105



Right In: 19818.677+/-4.353 χ^2/NDF: 3116835.4/26

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18818.633+/-4.044 χ^2/NDF: 3525158.5/30

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

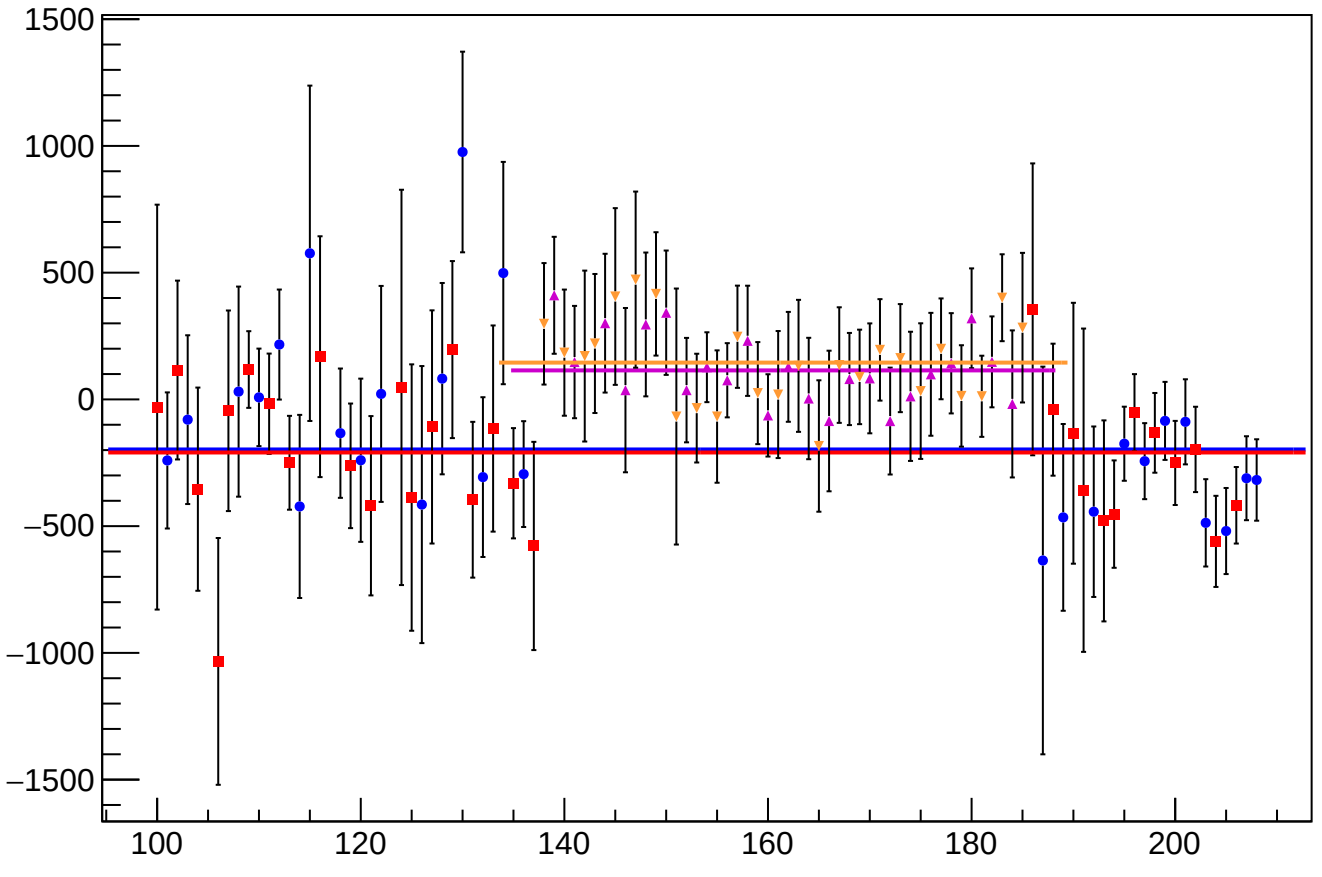
Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

Right: 19281.871+/-2.963 χ^2/NDF: 6670326.8/57

In: 22053.001+/-3.572 χ^2/NDF:9806883.2/49

Out: 21238.052+/-3.231 χ^2/NDF:12258267.2/55

All: 21604.798+/-2.396 χ^2/NDF: 22093776.0



Right In: -197.511+/-44.587 χ^2/NDF: 29.6/26

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -209.406+/-44.785 χ^2/NDF: 24.3/30

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

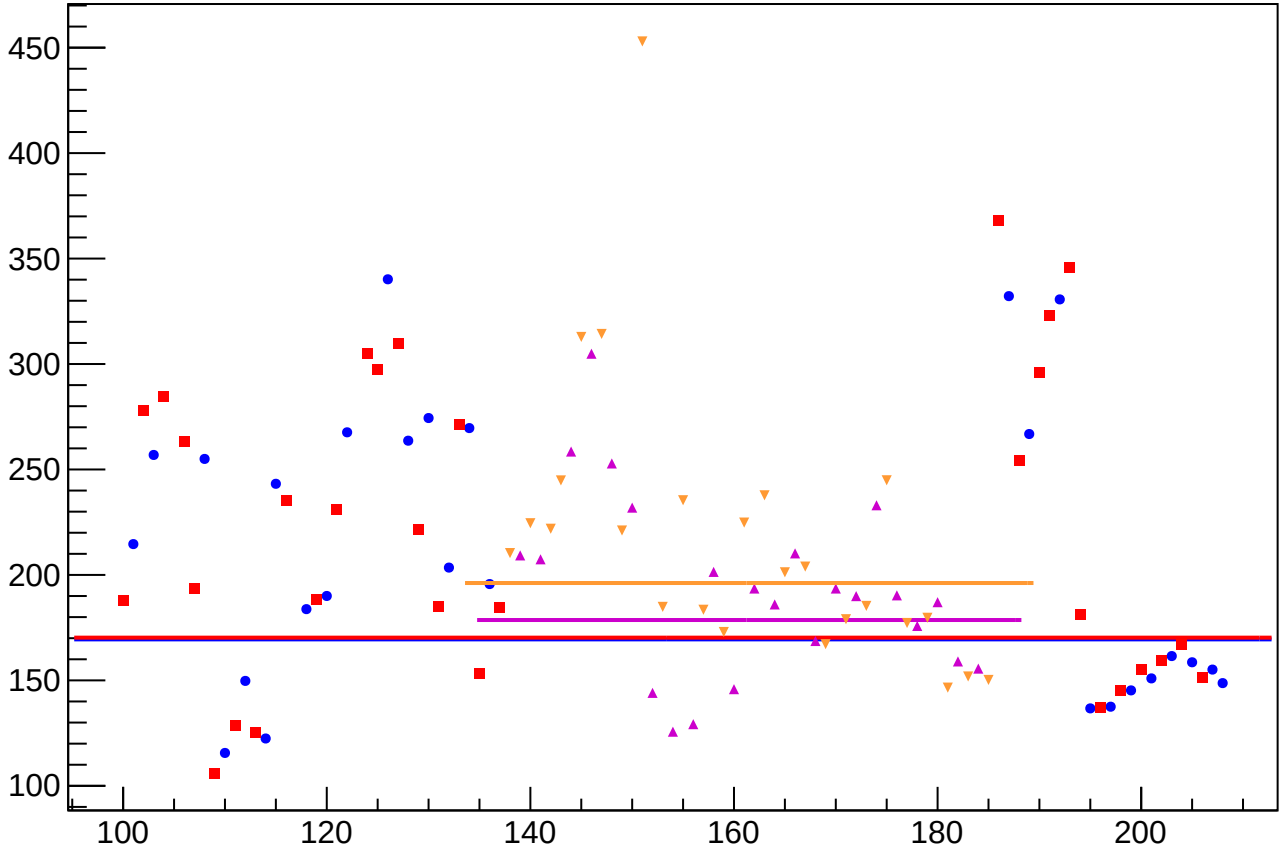
Right: -203.432+/-31.598 χ^2/NDF: 53.9/57

In: -38.133+/-31.180 χ^2/NDF:63.0/49

Out: -37.727+/-32.165 χ^2/NDF:65.8/55

All: -37.936+/-22.388 χ^2/NDF: 128.8/105

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 169.438+/-0.032 χ^2/NDF: 2267490.2/26

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 170.262+/-0.032 χ^2/NDF: 2933541.7/30

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

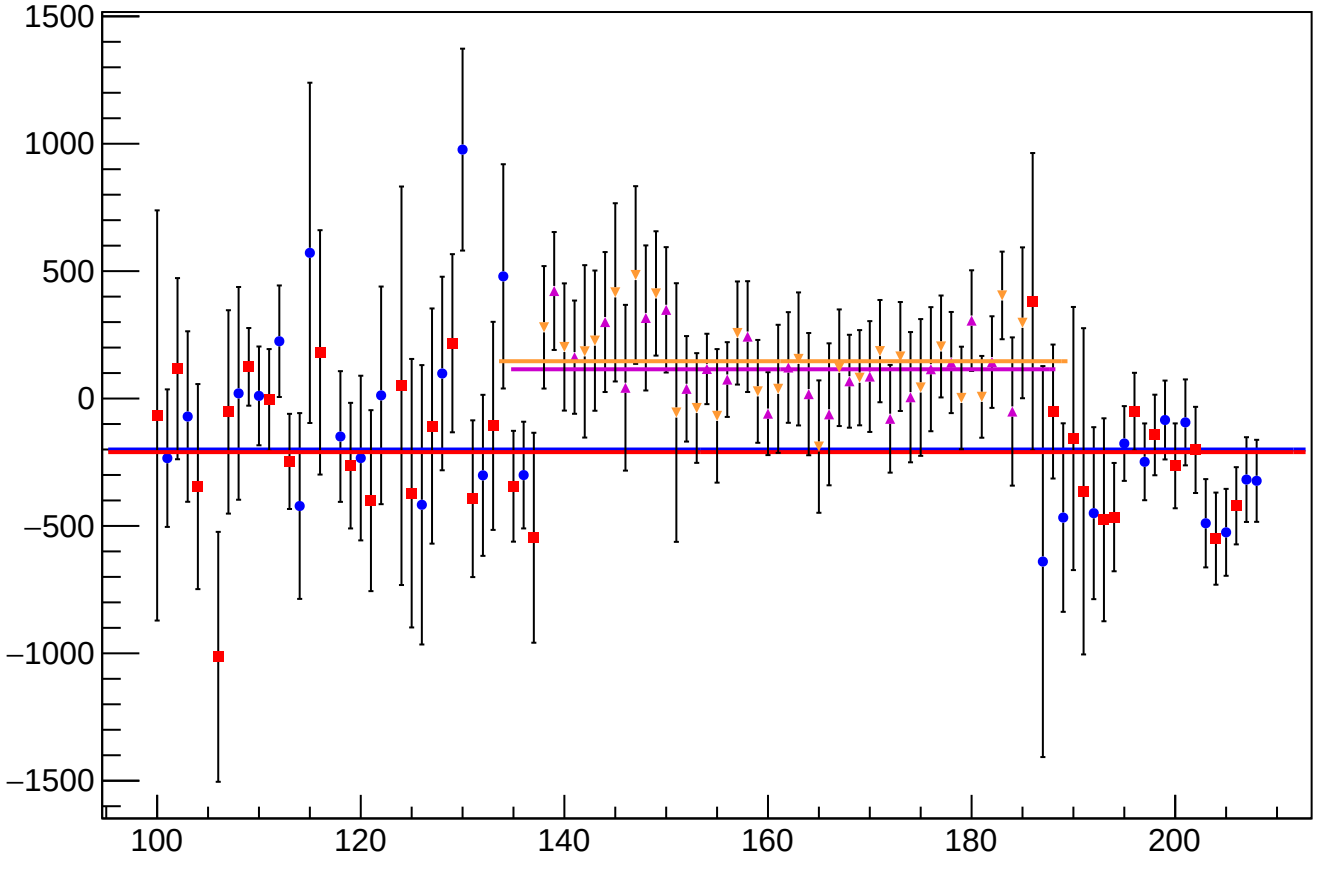
Right: 169.848+/-0.022 χ^2/NDF: 5201371.5/57

In: 174.130+/-0.022 χ^2/NDF:3962706.6/49

Out: 182.804+/-0.023 χ^2/NDF:5064371.4/55

All: 178.332+/-0.016 χ^2/NDF: 9102054.4/105

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -200.090+/-44.805 χ^2/NDF: 29.7/26

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -210.300+/-45.015 χ^2/NDF: 24.1/30

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

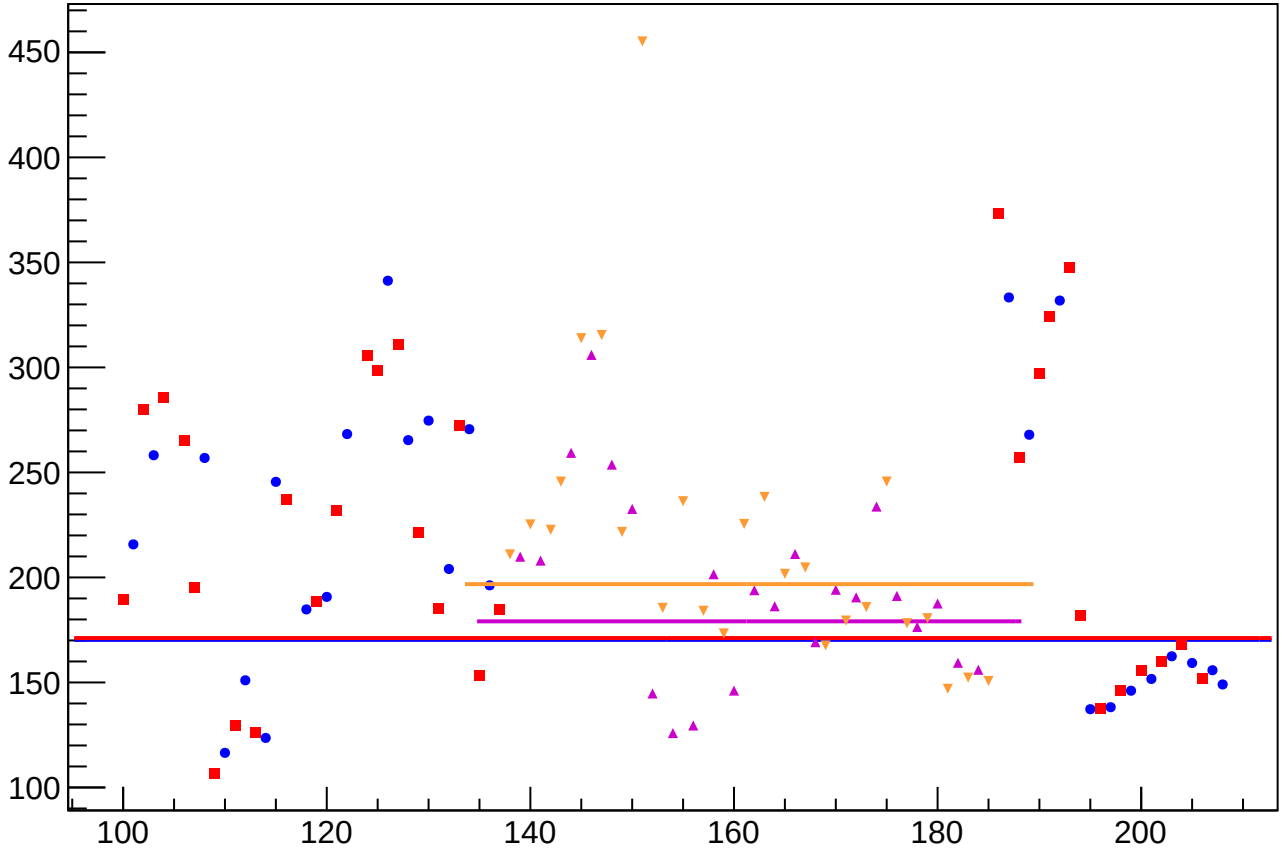
Right: -205.171+/-31.756 χ^2/NDF: 53.9/57

In: -38.857+/-31.299 χ^2/NDF:63.4/49

Out: -37.264+/-32.302 χ^2/NDF:66.0/55

All: -38.086+/-22.478 χ^2/NDF: 129.4/105

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 170.284+/-0.032 χ^2/NDF: 2259768.5/26

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 171.140+/-0.032 χ^2/NDF: 2930663.9/30

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

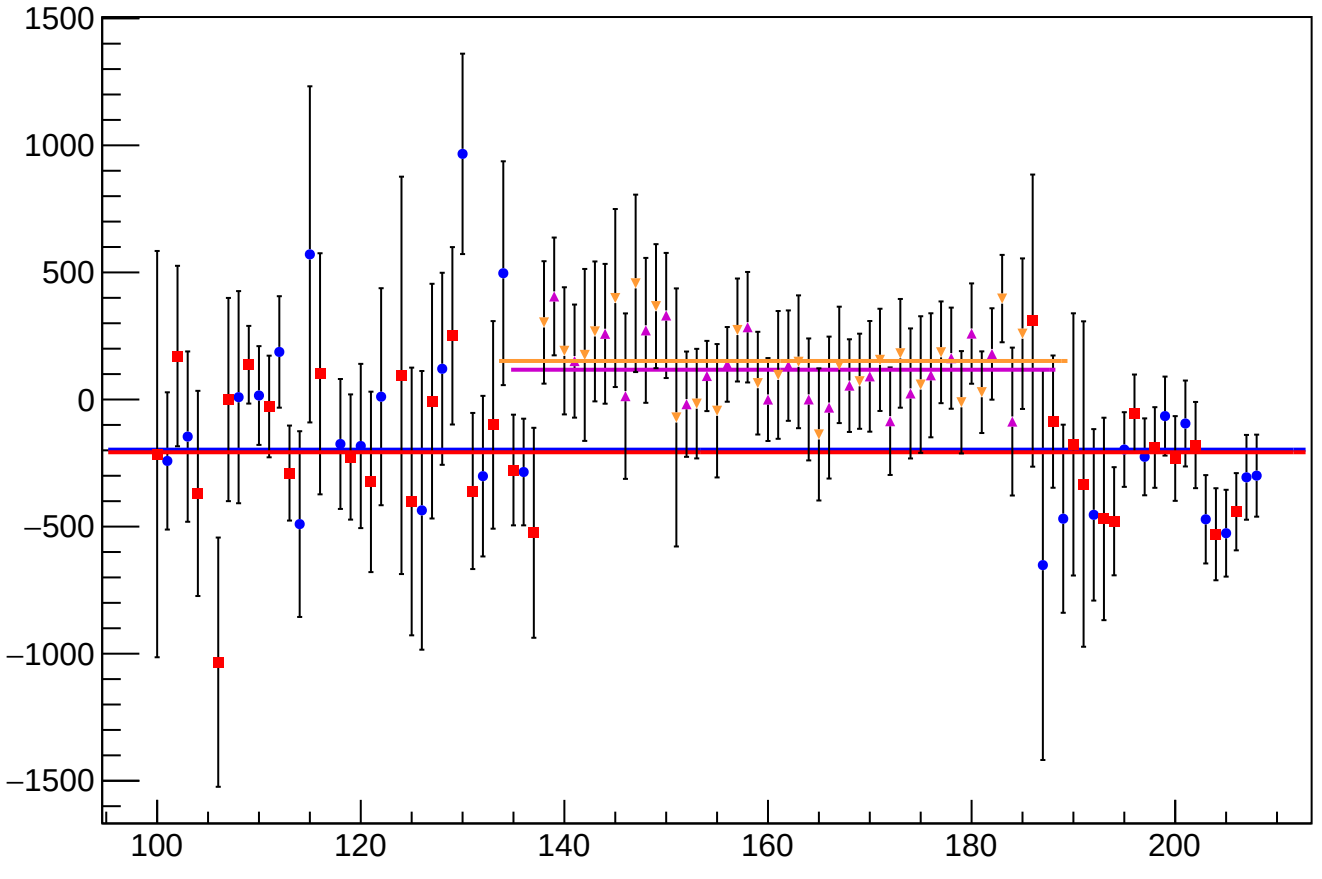
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 170.710+/-0.022 χ^2/NDF: 5190795.9/57

In: 174.798+/-0.022 χ^2/NDF:3955286.7/49

Out: 183.590+/-0.023 χ^2/NDF:5054636.0/55

All: 179.056+/-0.016 χ^2/NDF: 9086333.5/105



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -207.512+/-45.060 χ^2/NDF: 24.0/30

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

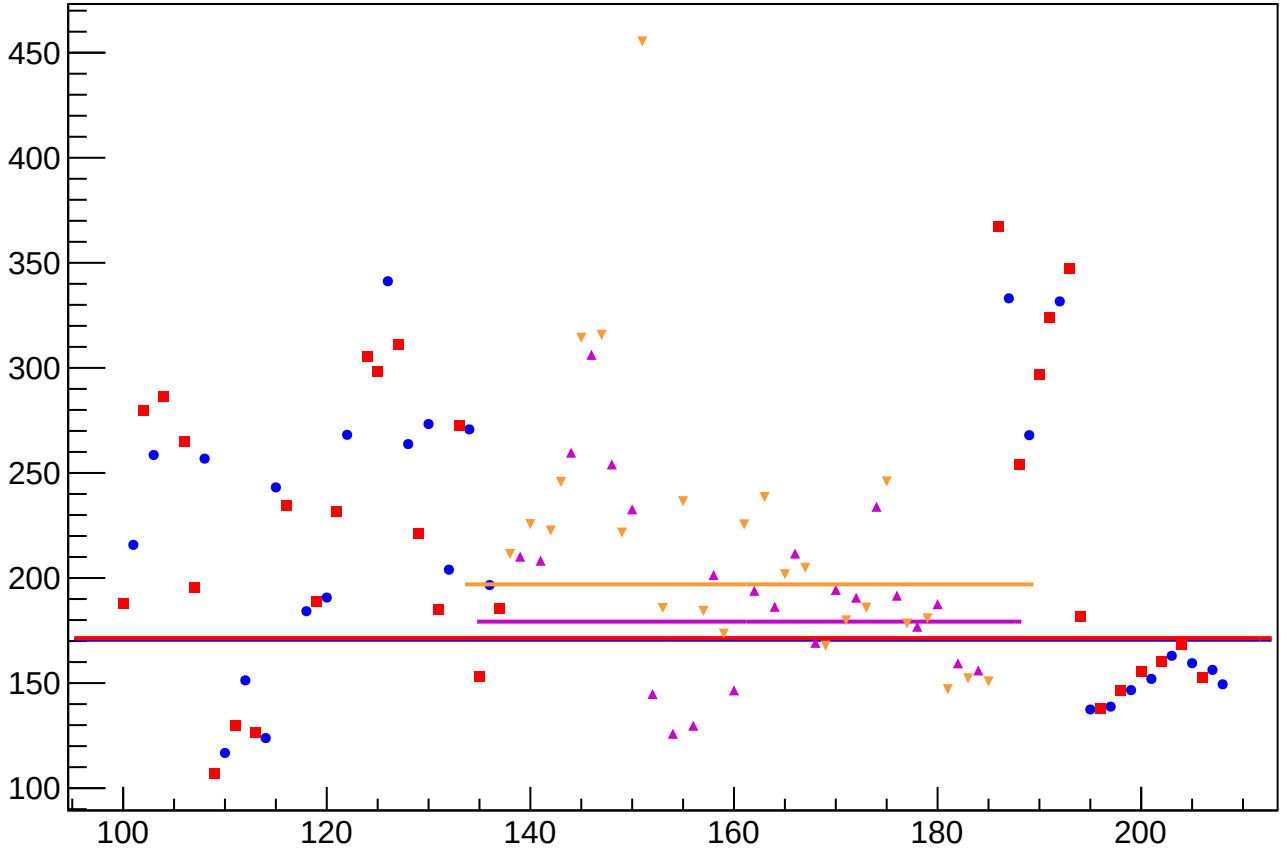
Right: -202.388+/-31.799 χ^2/NDF: 52.8/57

In: -36.157+/-31.339 χ^2/NDF:61.4/49

Out: -33.290+/-32.332 χ^2/NDF:64.4/55

All: -34.768+/-22.503 χ^2/NDF: 125.8/105

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

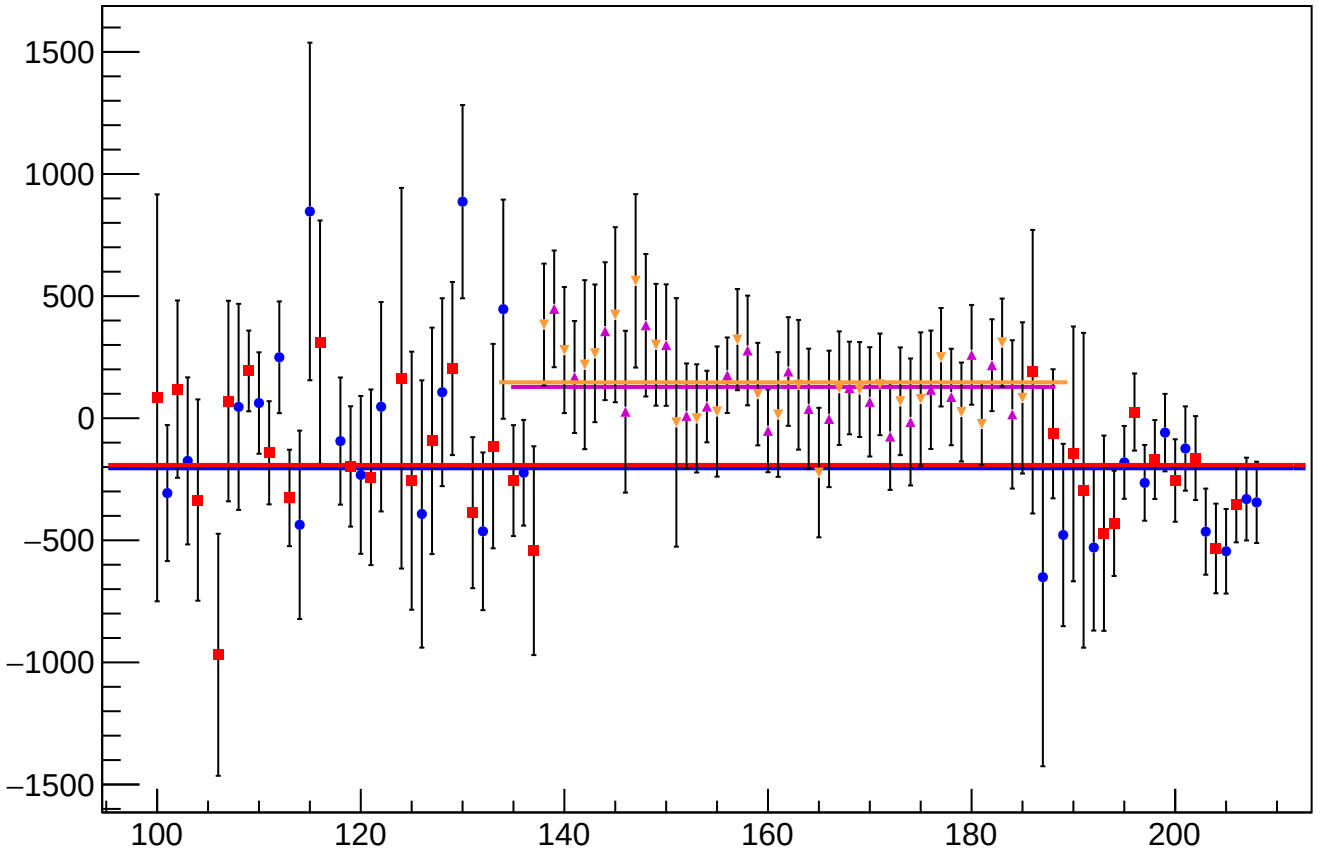
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 171.023+/-0.022 χ^2/NDF: 5135447.7/57

In: 175.054+/-0.022 χ^2/NDF:3932259.0/49

Out: 183.813+/-0.023 χ^2/NDF:5018327.4/55

All: 179.297+/-0.016 χ^2/NDF: 9026266.0/105



Right In: -205.059+/-45.936 χ^2/NDF: 30.7/26

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -191.338+/-46.293 χ^2/NDF: 22.6/30

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

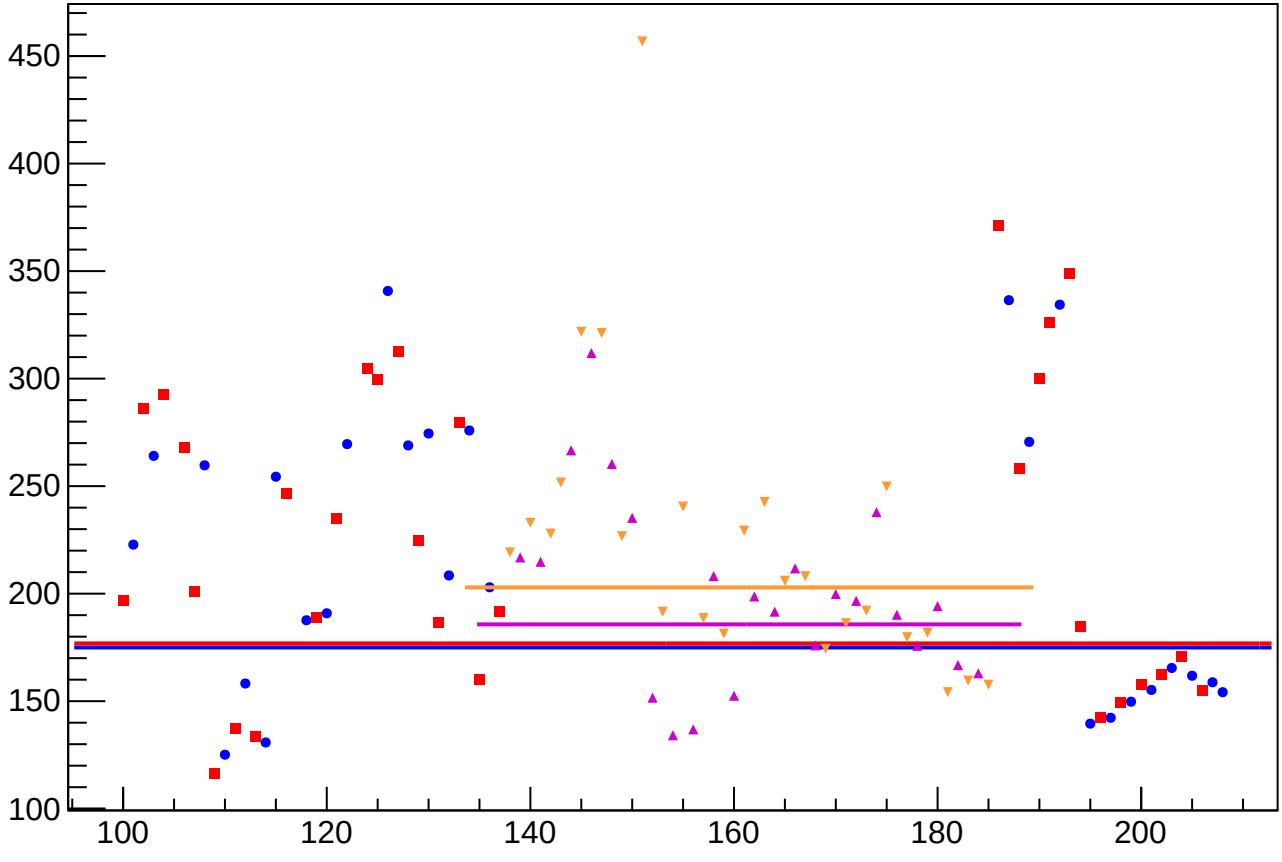
Right: -198.252+/-32.607 χ^2/NDF: 53.3/57

In: -35.758+/-32.218 χ^2/NDF:66.0/49

Out: -27.276+/-33.223 χ^2/NDF:58.7/55

All: -31.647+/-23.129 χ^2/NDF: 124.7/105

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 174.982+/-0.032 χ^2/NDF: 2148656.0/26

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 176.870+/-0.033 χ^2/NDF: 2688610.0/30

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

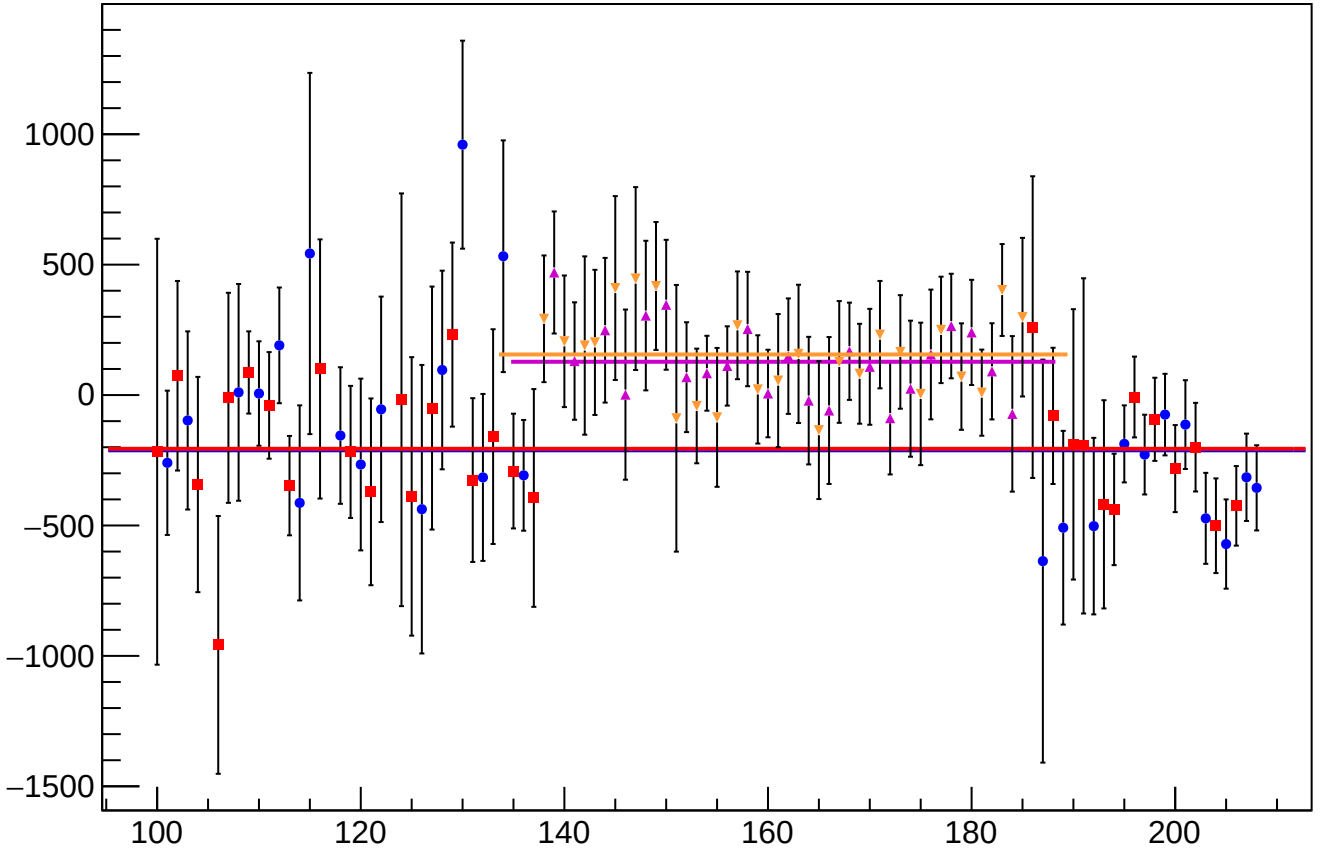
Right: 175.919+/-0.023 χ^2/NDF: 4838942.6/57

In: 180.436+/-0.023 χ^2/NDF:3693626.6/49

Out: 189.503+/-0.023 χ^2/NDF:4695842.4/55

All: 184.830+/-0.016 χ^2/NDF: 8466242.6/105

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -211.764+/-45.337 χ^2/NDF: 29.8/26

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -206.110+/-45.568 χ^2/NDF: 20.3/30

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

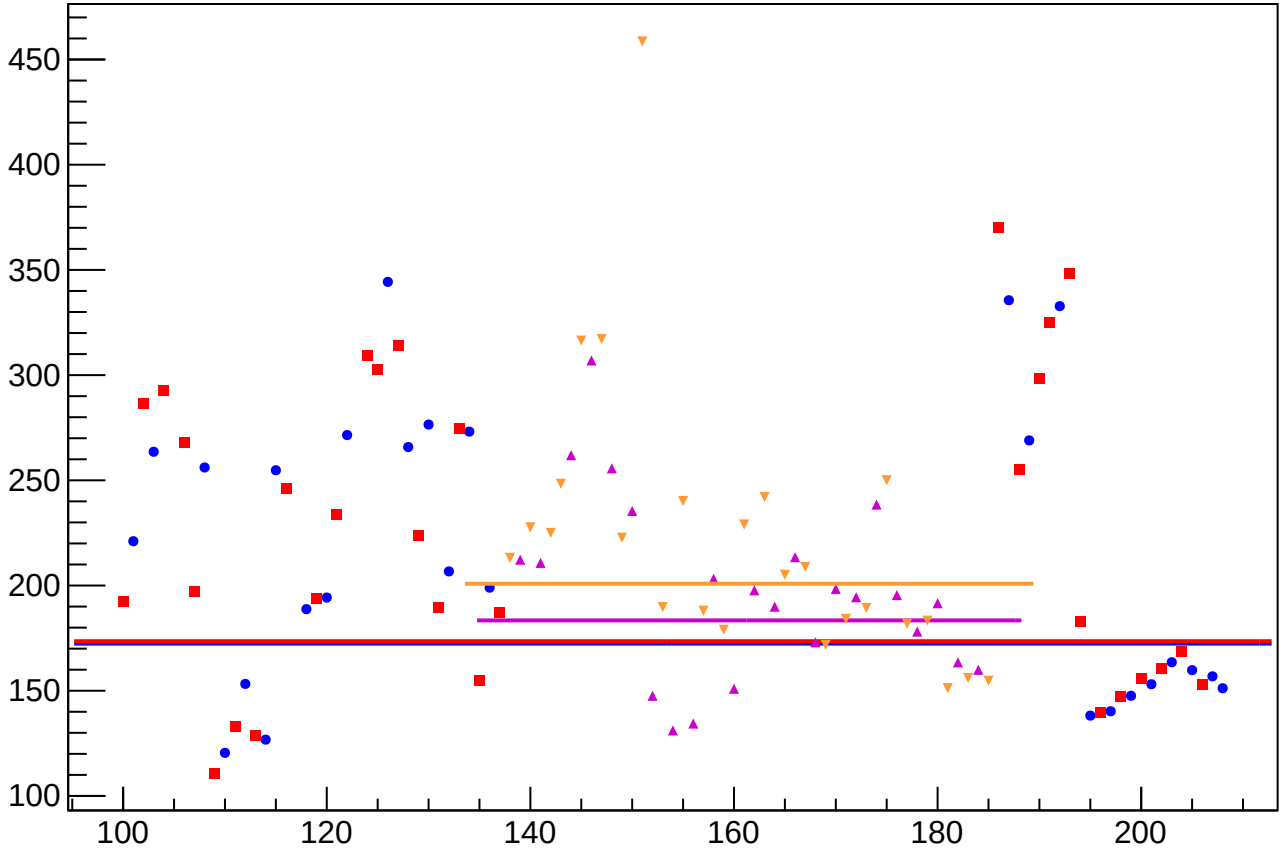
Right: -208.952+/-32.140 χ^2/NDF: 50.1/57

In: -39.643+/-31.830 χ^2/NDF:66.2/49

Out: -31.836+/-32.804 χ^2/NDF:61.3/55

All: -35.857+/-22.844 χ^2/NDF: 127.5/105

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 172.415+/-0.032 χ^2/NDF: 2234803.2/26

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 173.535+/-0.032 χ^2/NDF: 2860369.5/30

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

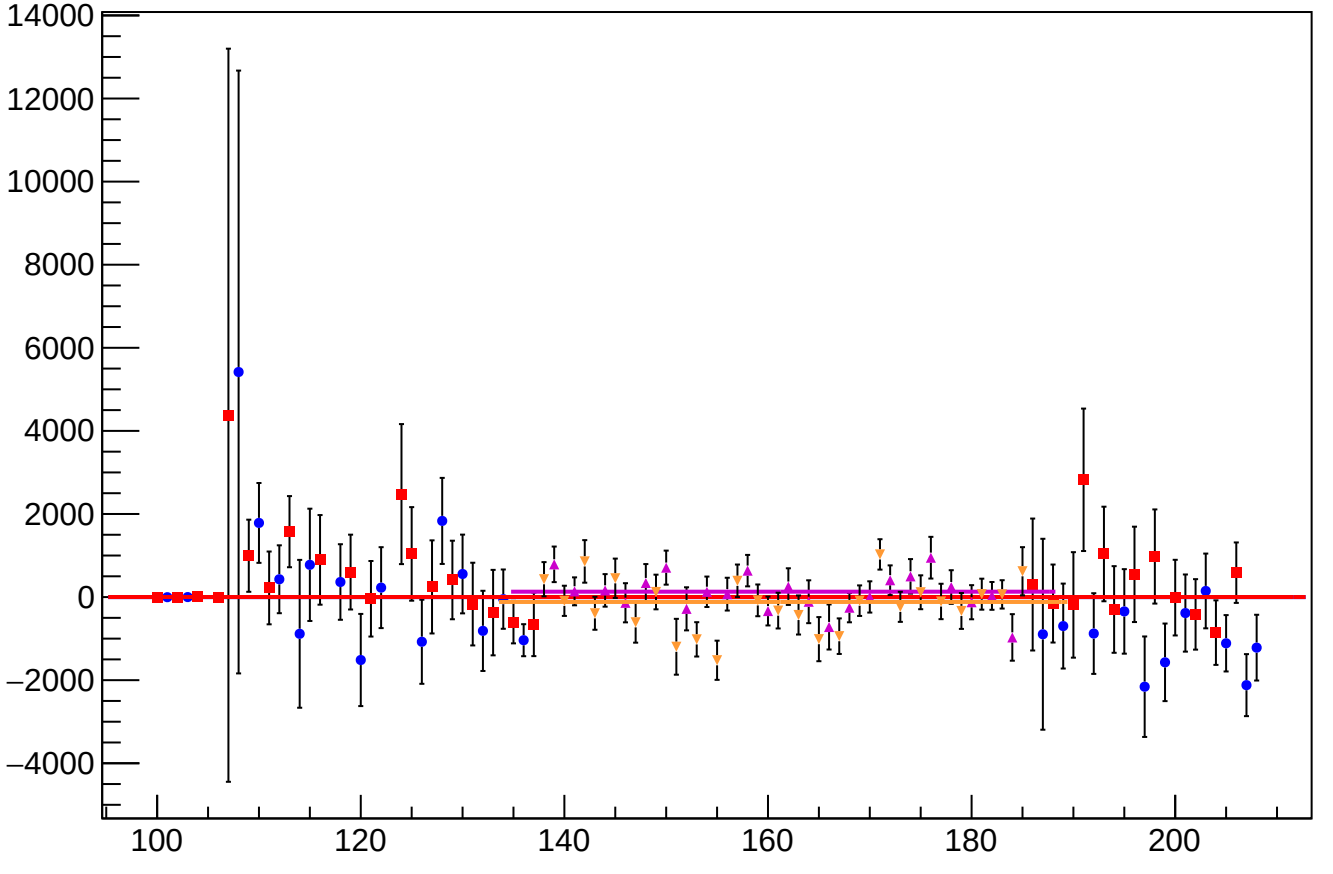
Right: 172.972+/-0.023 χ^2/NDF: 5095779.5/57

In: 178.002+/-0.023 χ^2/NDF:3825385.1/49

Out: 186.701+/-0.023 χ^2/NDF:4934355.7/55

All: 182.220+/-0.016 χ^2/NDF: 8832170.3/105

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.304+/-2.171 χ^2/NDF: 40.8/26

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.384+/-2.022 χ^2/NDF: 23.6/30

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

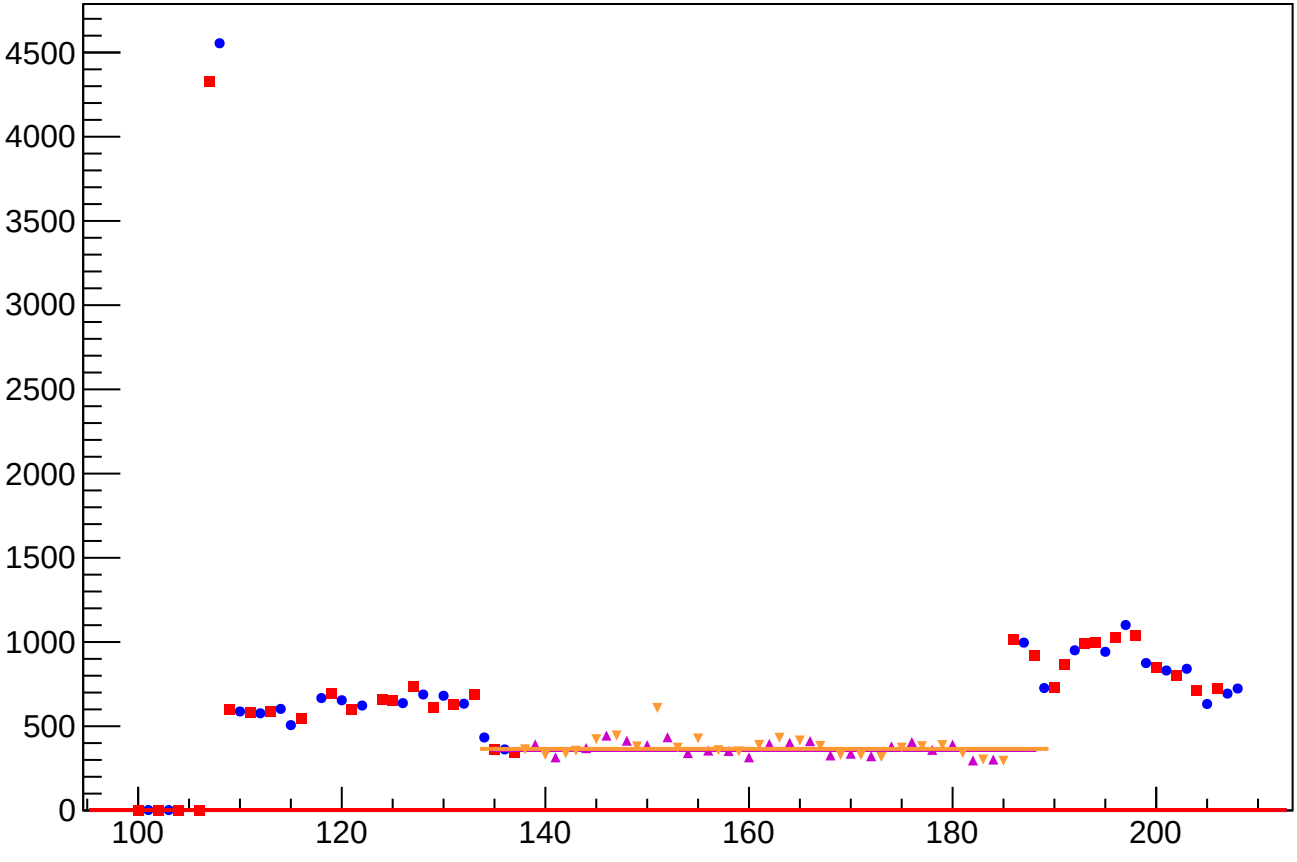
Right: 0.135+/-1.480 χ^2/NDF: 65.2/57

In: -1.219+/-2.170 χ^2/NDF:64.8/49

Out: 1.315+/-2.022 χ^2/NDF:72.0/55

All: 0.138+/-1.479 χ^2/NDF: 137.5/105

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.525+/-0.002 χ^2/NDF: 28446416.1/26

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.504+/-0.001 χ^2/NDF: 29159844.7/30

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

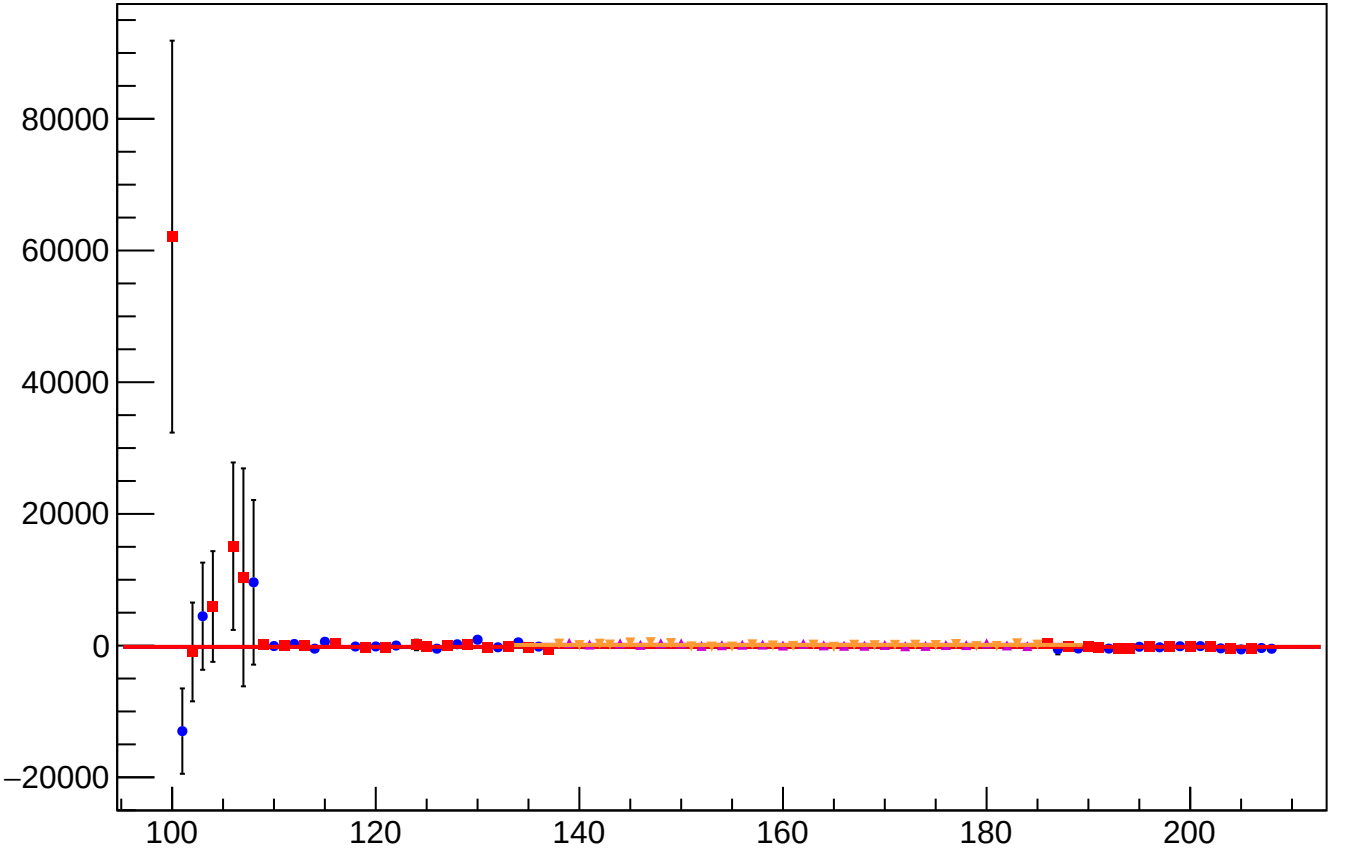
Right: 2.514+/-0.001 χ^2/NDF: 57606367.8/57

In: 2.757+/-0.002 χ^2/NDF:63989084.5/49

Out: 2.713+/-0.001 χ^2/NDF:66992541.9/55

All: 2.733+/-0.001 χ^2/NDF: 130982073.5/105

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -210.088+/-49.538 χ^2/NDF: 33.2/26

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -190.865+/-50.605 χ^2/NDF: 24.8/30

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

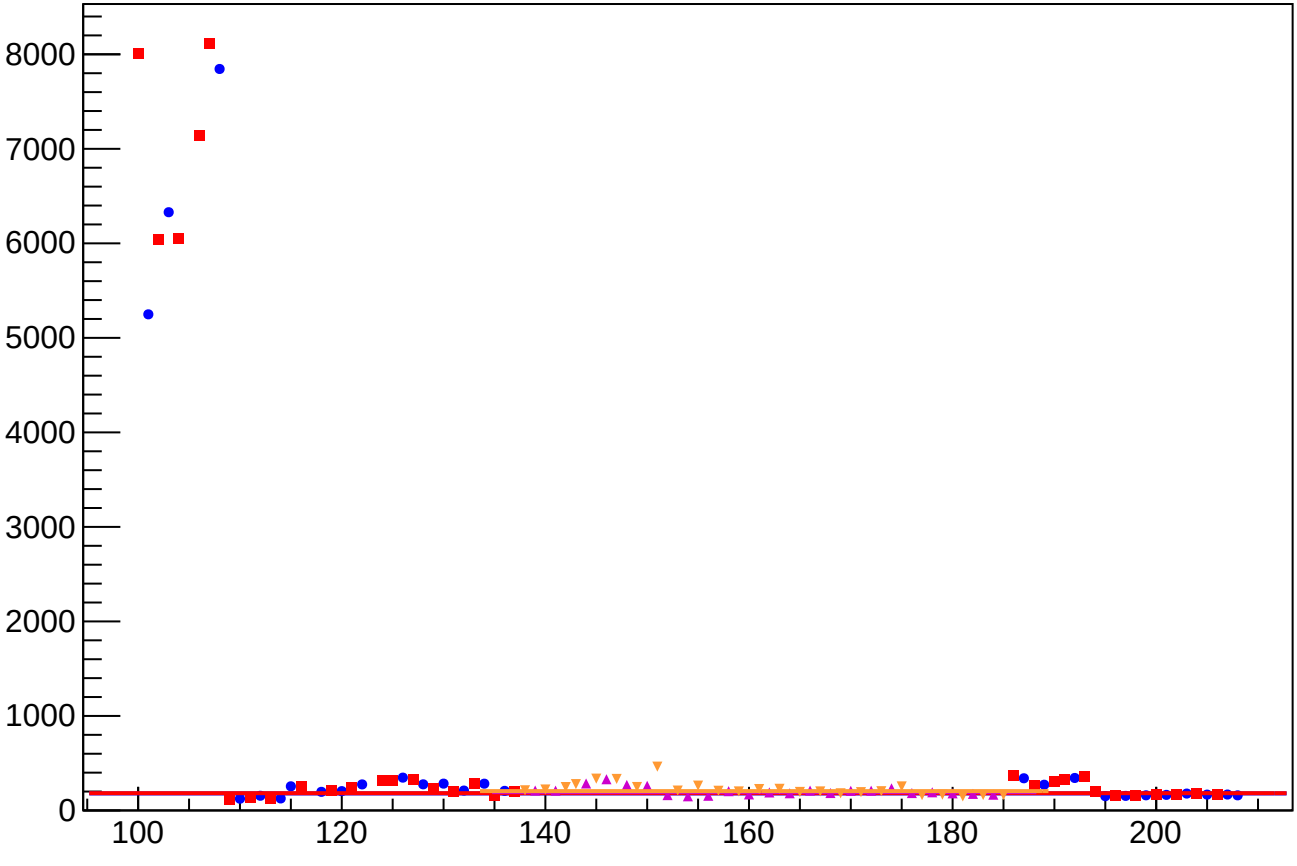
Right: -200.681+/-35.400 χ^2/NDF: 58.0/57

In: -36.567+/-34.079 χ^2/NDF:65.7/49

Out: -38.716+/-34.921 χ^2/NDF:54.8/55

All: -37.615+/-24.390 χ^2/NDF: 120.5/105

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 179.882+/-0.035 χ^2/NDF: 4876133.8/26

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.752+/-0.036 χ^2/NDF: 5526101.0/30

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

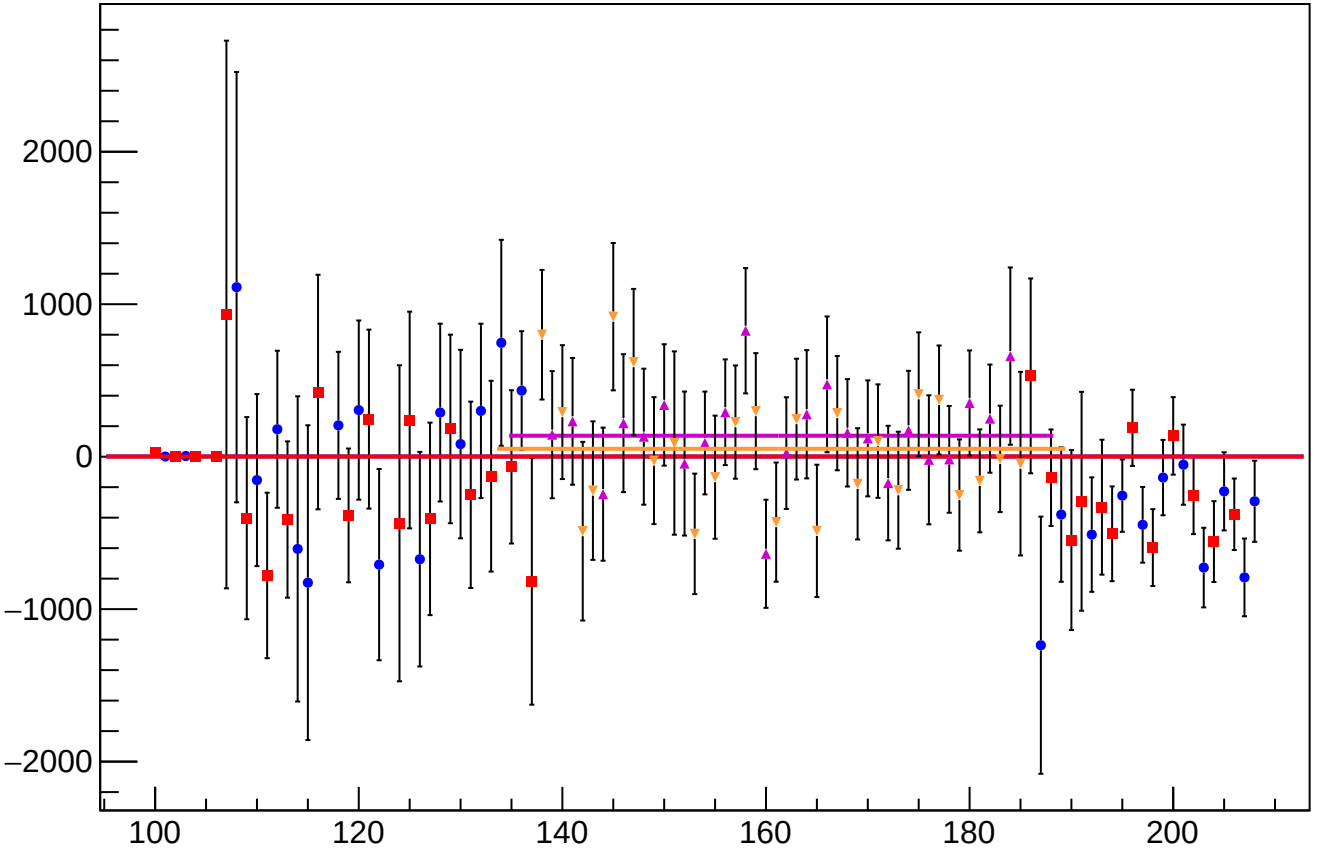
Right: 181.287+/-0.025 χ^2/NDF: 10405518.8/57

In: 187.263+/-0.024 χ^2/NDF:6152015.5/49

Out: 194.186+/-0.025 χ^2/NDF:7696149.2/55

All: 190.640+/-0.017 χ^2/NDF: 13888424.9/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.310+/-1.660 χ^2/NDF: 36.9/26

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.018+/-1.528 χ^2/NDF: 28.8/30

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

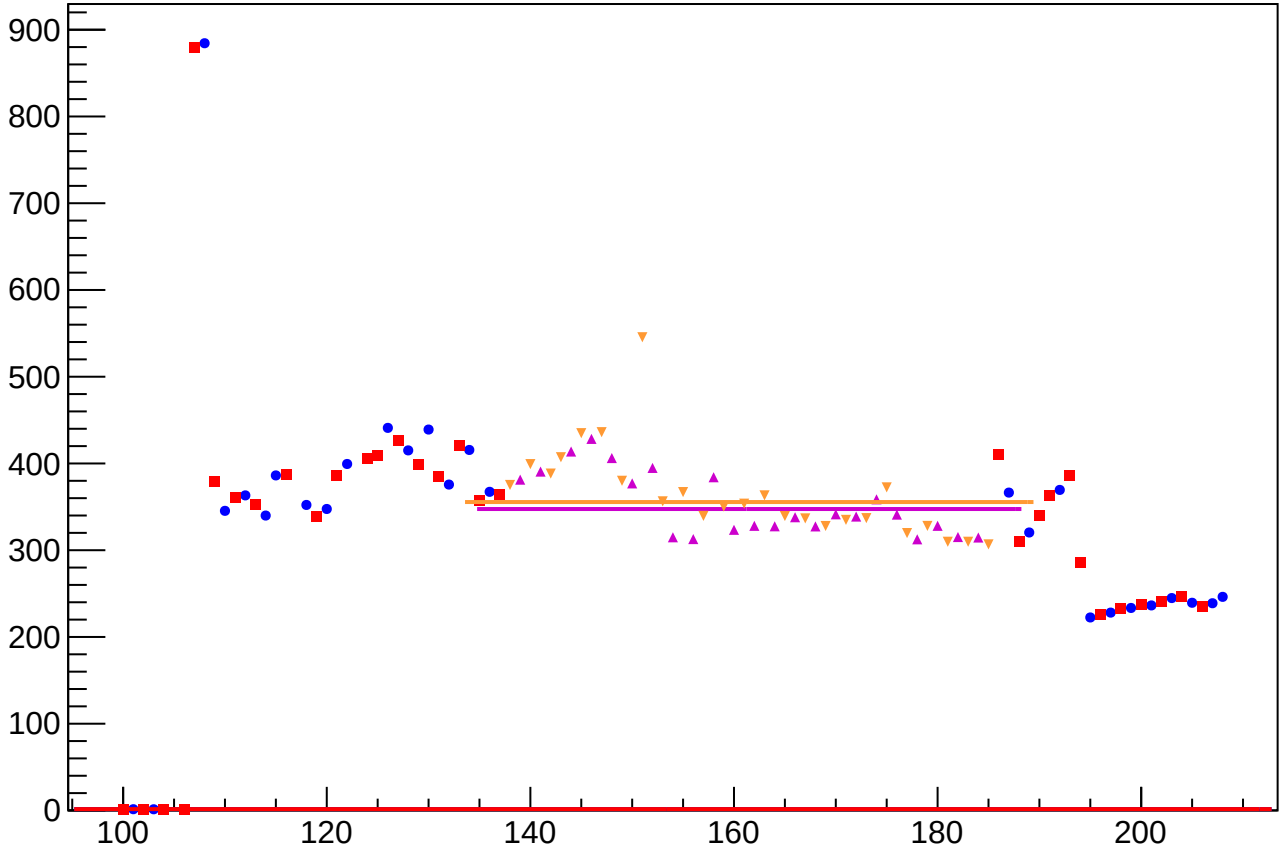
Right: 1.152+/-1.124 χ^2/NDF: 65.8/57

In: 1.366+/-1.660 χ^2/NDF:51.8/49

Out: 1.036+/-1.527 χ^2/NDF:48.6/55

All: 1.187+/-1.124 χ^2/NDF: 100.5/105

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.563+/-0.001 χ^2/NDF: 28718928.8/26

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.544+/-0.001 χ^2/NDF: 28839952.2/30

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

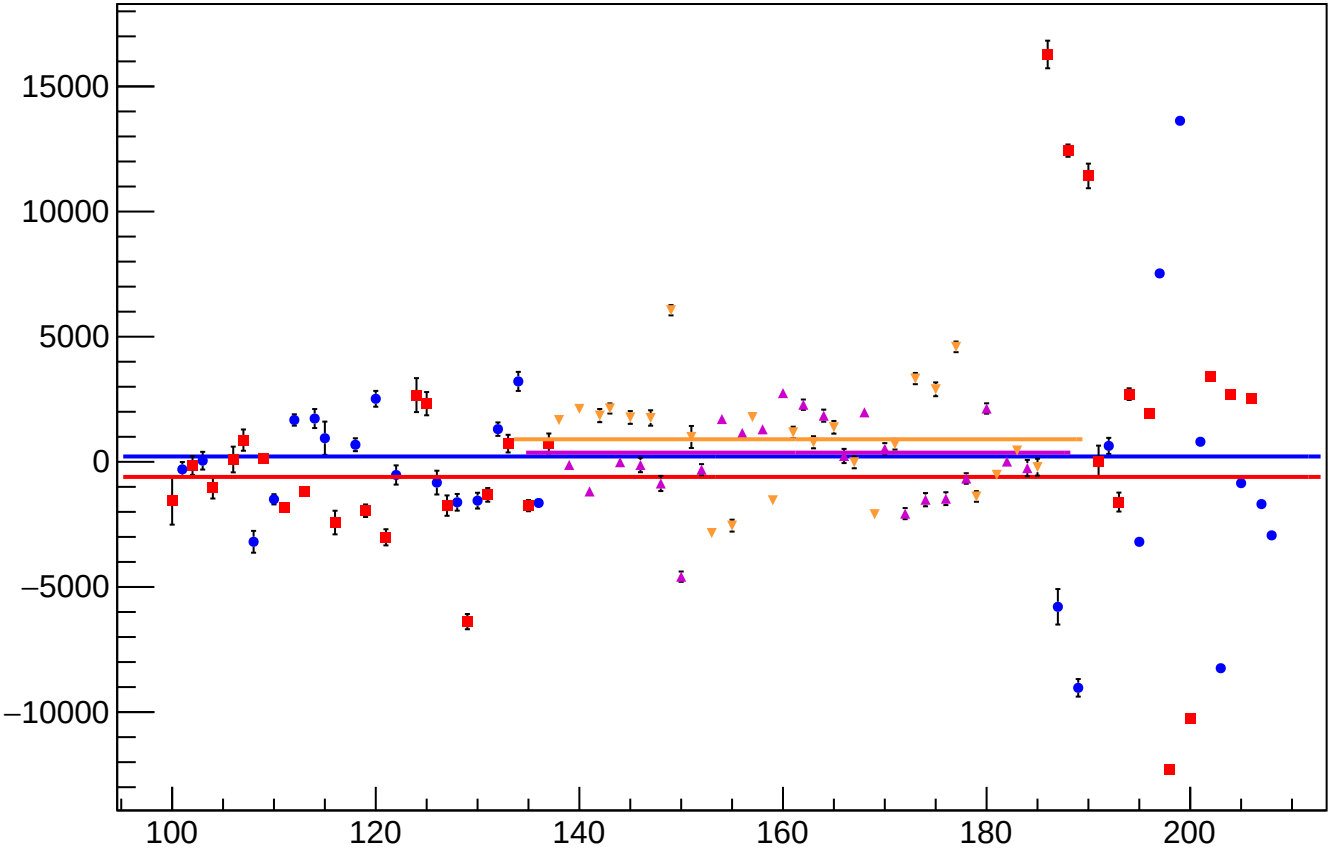
Right: 1.553+/-0.001 χ^2/NDF: 57559027.7/57

In: 1.705+/-0.001 χ^2/NDF:64545065.3/49

Out: 1.668+/-0.001 χ^2/NDF:67035863.3/55

All: 1.685+/-0.001 χ^2/NDF: 131581452.2/105

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 213.813+/-47.218 χ^2/NDF: 11834.2/26

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -602.989+/-47.111 χ^2/NDF: 13728.0/30

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

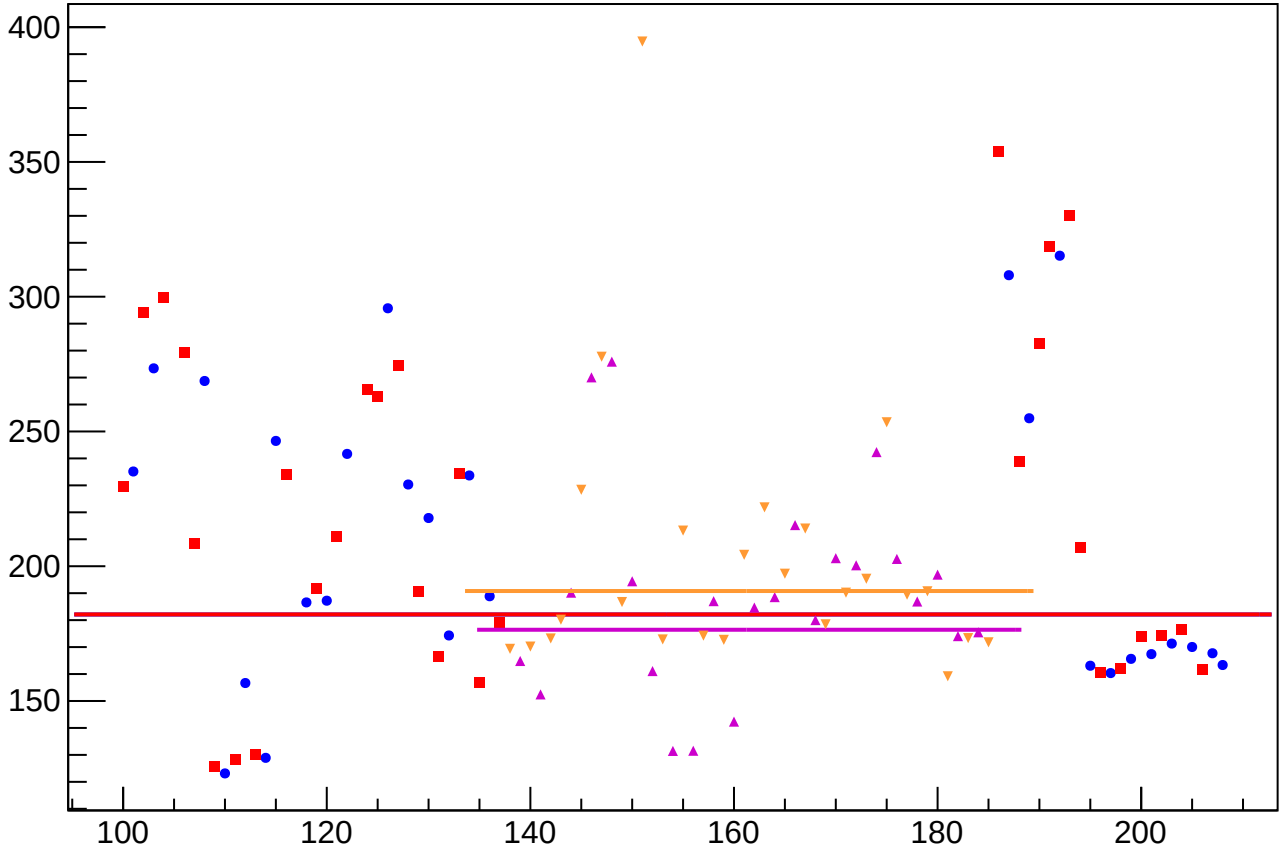
Right: -195.520+/-33.350 χ^2/NDF: 25712.1/57

In: 298.775+/-31.671 χ^2/NDF:13433.1/49

Out: 192.403+/-32.343 χ^2/NDF:16678.1/55

All: 246.705+/-22.628 χ^2/NDF: 30116.7/105

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 182.084+/-0.033 χ^2/NDF: 1429059.6/26

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.123+/-0.033 χ^2/NDF: 2140967.1/30

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

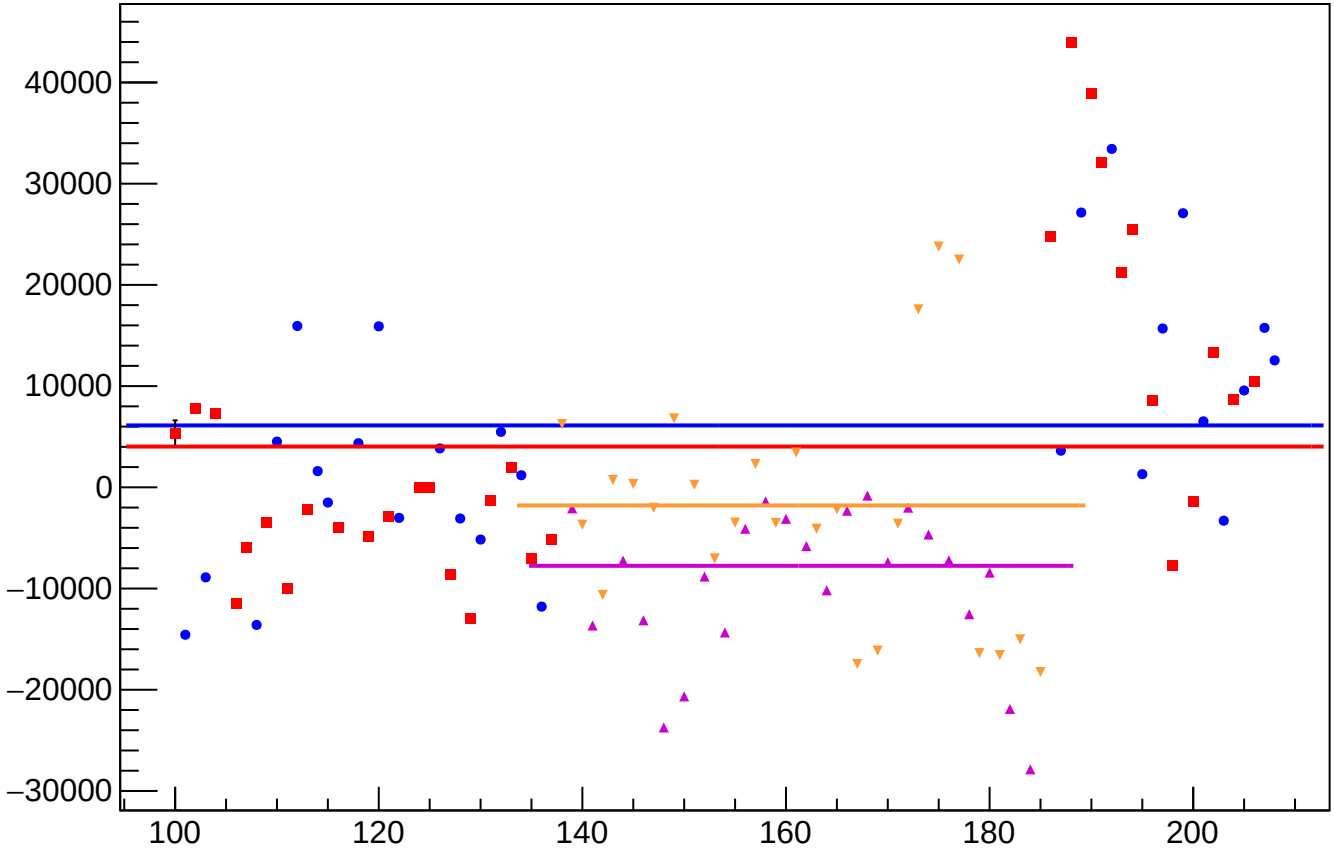
Right: 182.103+/-0.024 χ^2/NDF: 3570027.3/57

In: 178.974+/-0.022 χ^2/NDF:2702487.7/49

Out: 186.711+/-0.023 χ^2/NDF:3196444.0/55

All: 182.761+/-0.016 χ^2/NDF: 5957354.7/105

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4027.617+/-39.615 χ^2/NDF: 137269.9/30

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

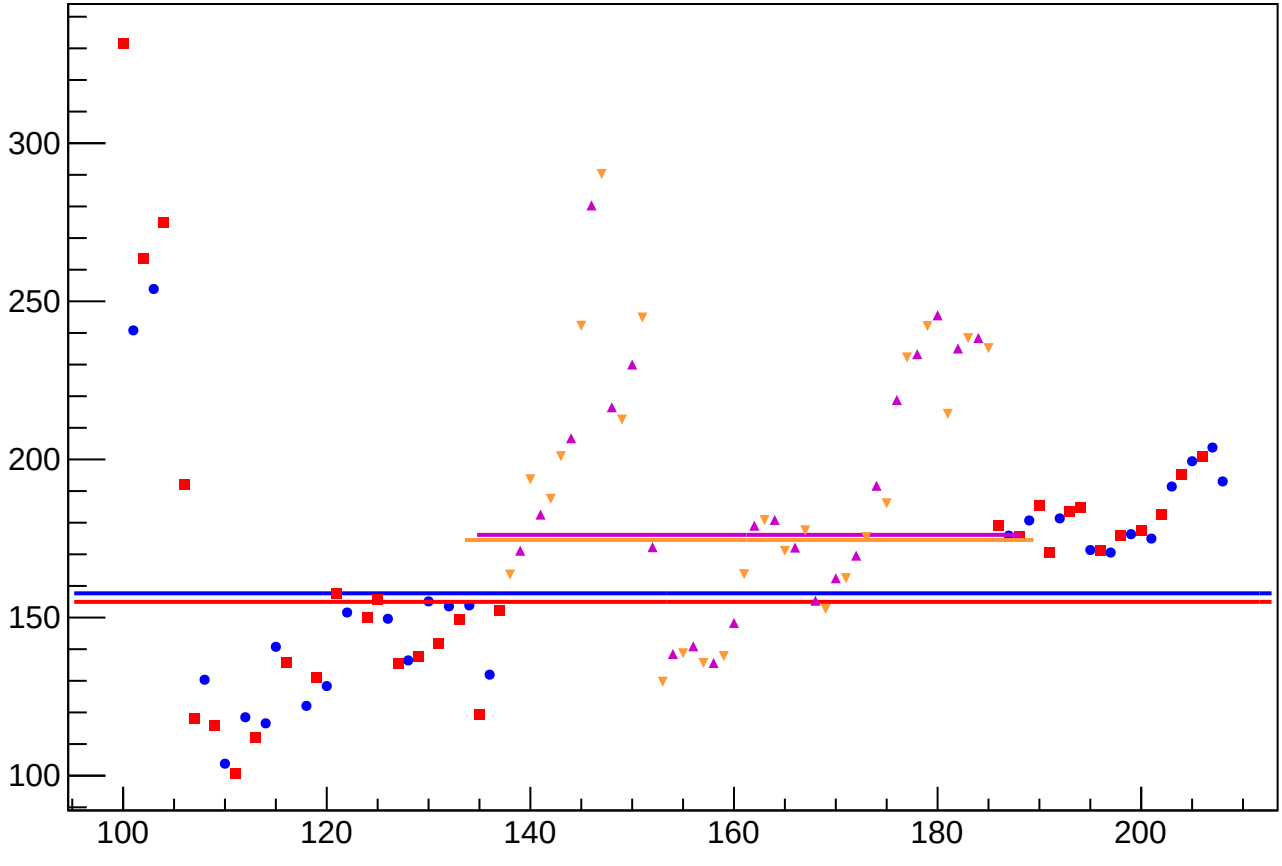
Right: 5035.704+/-28.483 χ^2/NDF: 232160.7/57

In: -556.329+/-29.525 χ^2/NDF:171913.7/49

Out: 1212.186+/-28.459 χ^2/NDF:213453.1/55

All: 360.421+/-20.490 χ^2/NDF: 387226.6/105

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

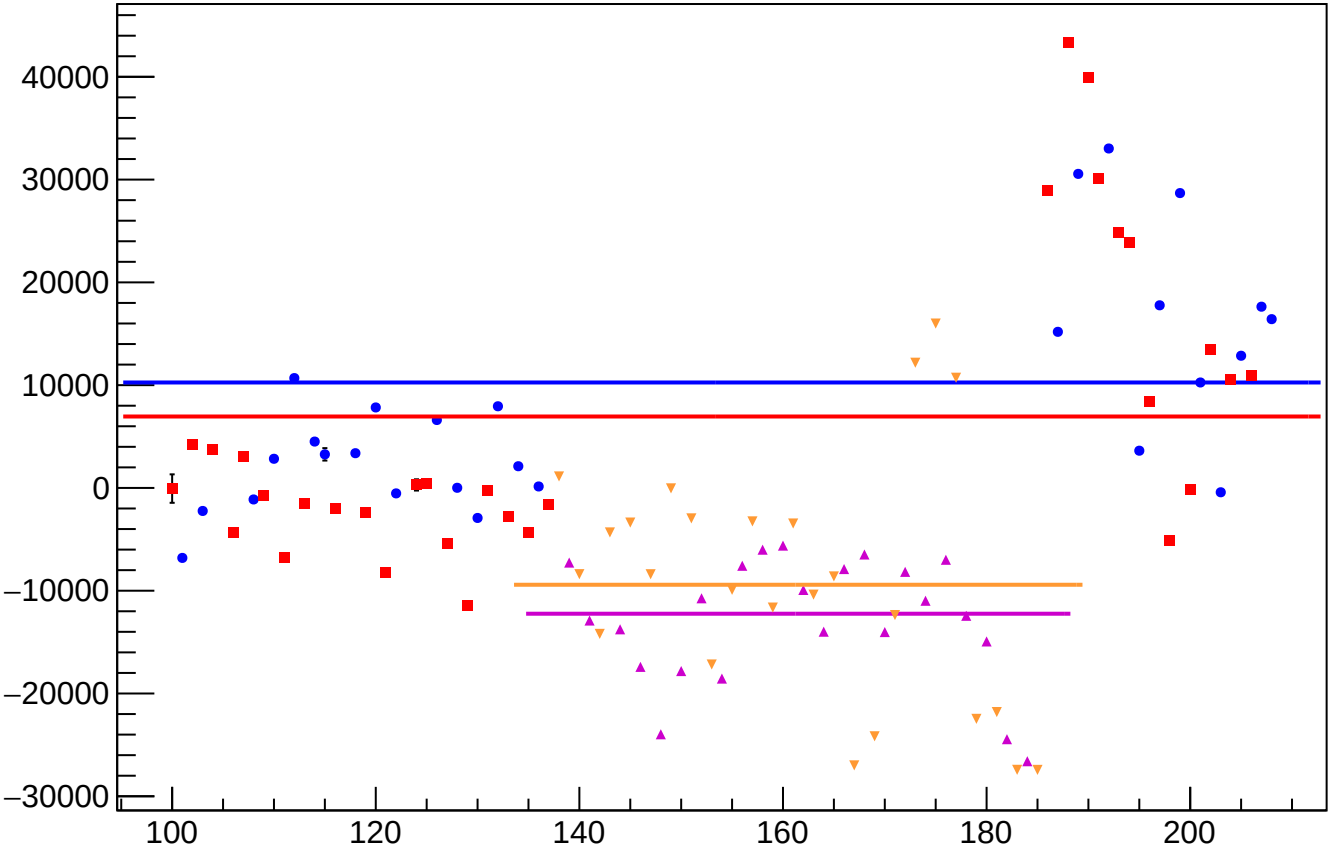
Right: 156.272+/-0.020 χ^2/NDF: 2906513.9/57

In: 166.559+/-0.021 χ^2/NDF:2853795.6/49

Out: 164.430+/-0.020 χ^2/NDF:3506284.5/55

All: 165.456+/-0.014 χ^2/NDF: 6365473.0/105

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10259.986+/-45.655 χ^2/NDF: 53859.4/26

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6950.226+/-44.320 χ^2/NDF: 105809.8/30

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

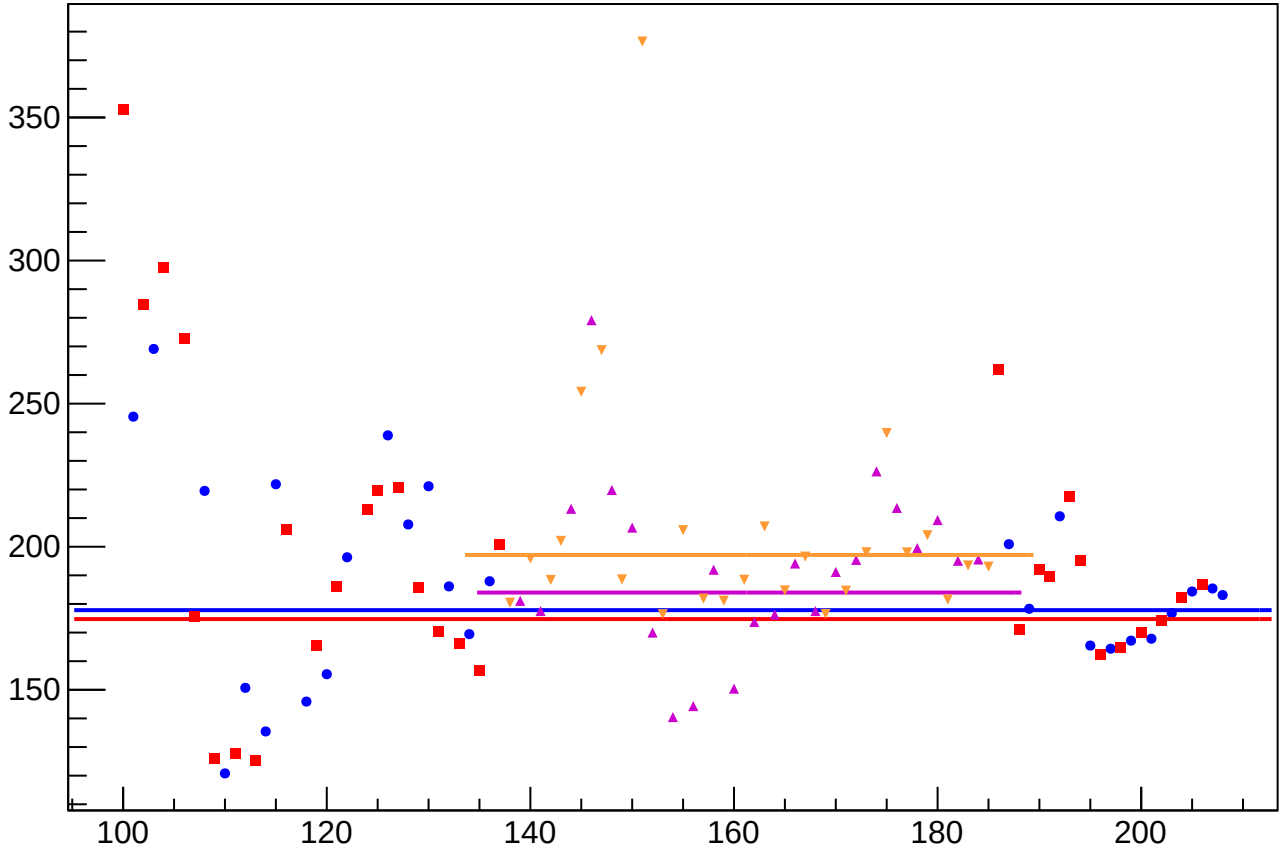
Right: 8556.013+/-31.801 χ^2/NDF: 162374.9/57

In: -1354.844+/-31.754 χ^2/NDF:195244.6/49

Out: -984.488+/-31.815 χ^2/NDF:236657.1/55

All: -1170.020+/-22.475 χ^2/NDF: 431969.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

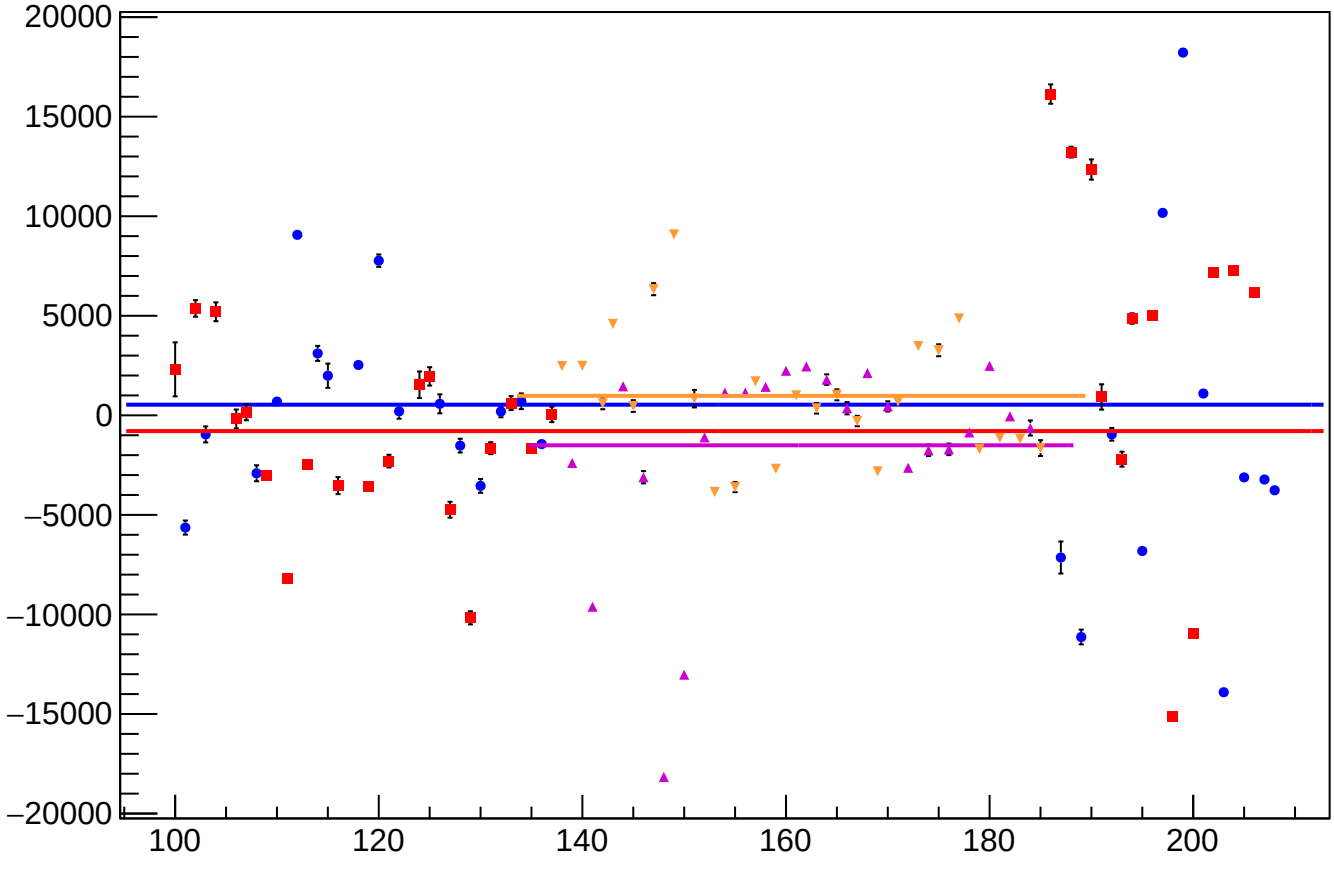
Right: 176.233+/-0.022 χ^2/NDF: 1978166.6/57

In: 181.011+/-0.022 χ^2/NDF:1615715.6/49

Out: 185.579+/-0.022 χ^2/NDF:2186321.2/55

All: 183.291+/-0.016 χ^2/NDF: 3822692.7/105

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -791.403+/-50.150 χ^2/NDF: 20901.1/30

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

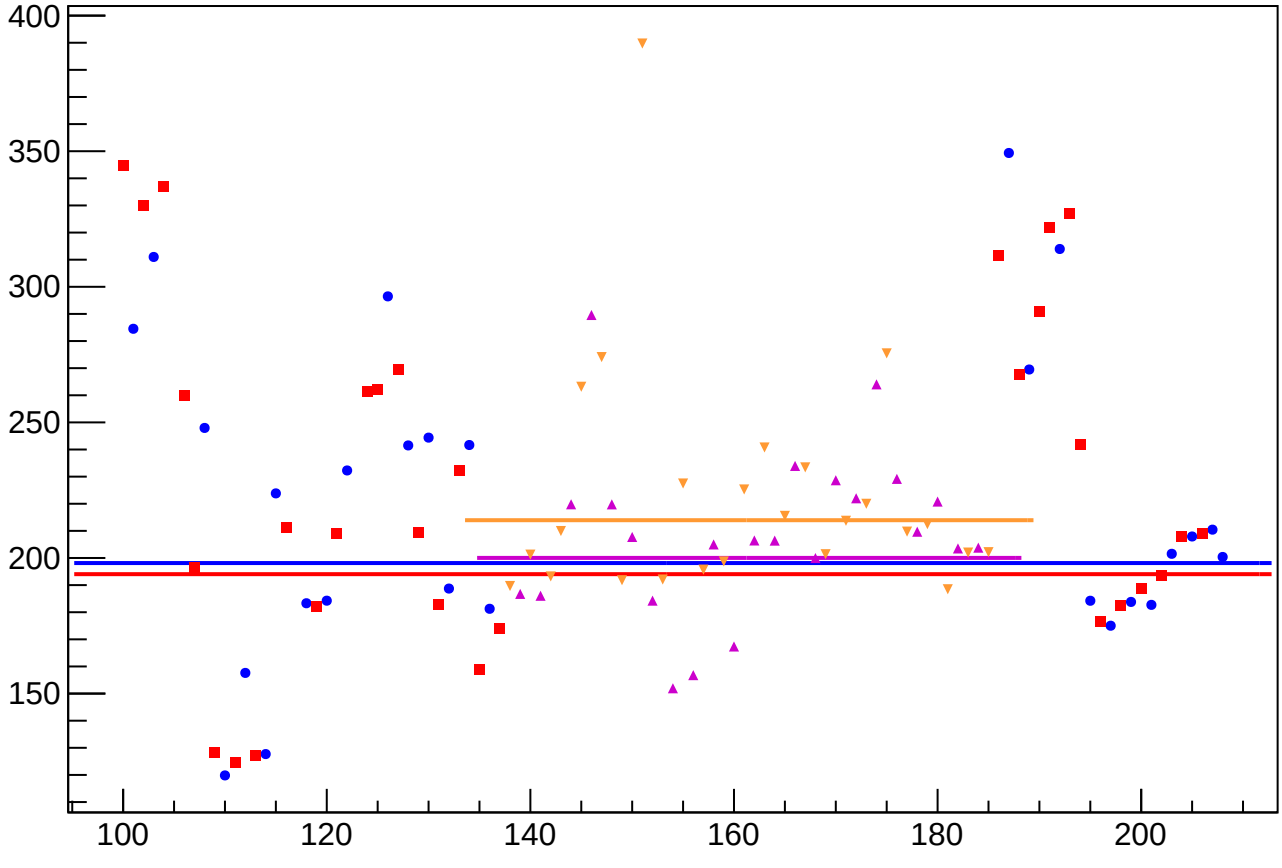
Right: -144.659+/-35.896 χ^2/NDF: 42698.7/57

In: -553.819+/-35.102 χ^2/NDF:33777.6/49

Out: 103.154+/-35.268 χ^2/NDF:25853.5/55

All: -226.881+/-24.879 χ^2/NDF: 59805.4/105

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

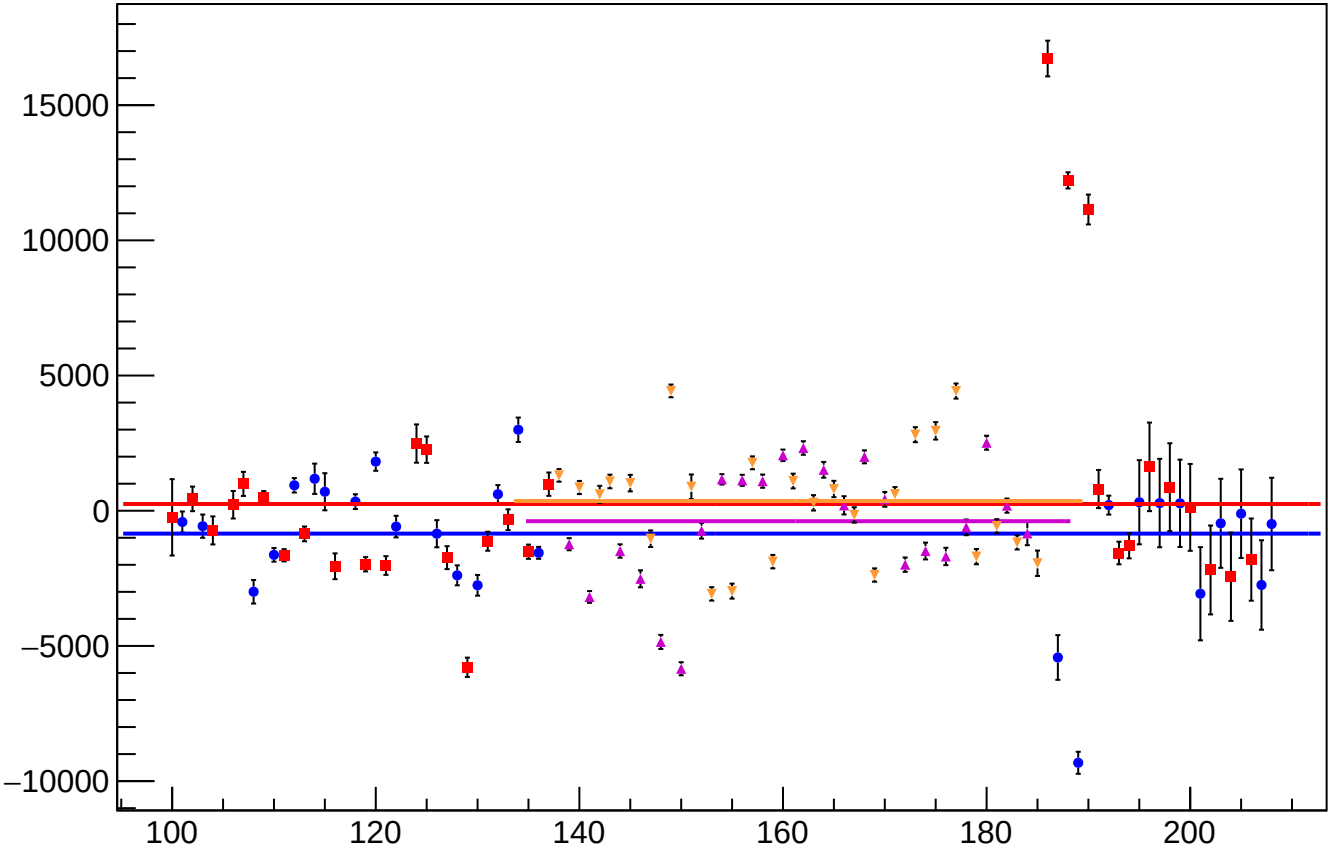
Right: 196.033+/-0.025 χ^2/NDF: 3712585.8/57

In: 199.145+/-0.025 χ^2/NDF:2238705.5/49

Out: 204.092+/-0.025 χ^2/NDF:3147097.4/55

All: 201.607+/-0.018 χ^2/NDF: 5405568.6/105

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 248.871+/-73.711 χ^2/NDF: 3275.7/30

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

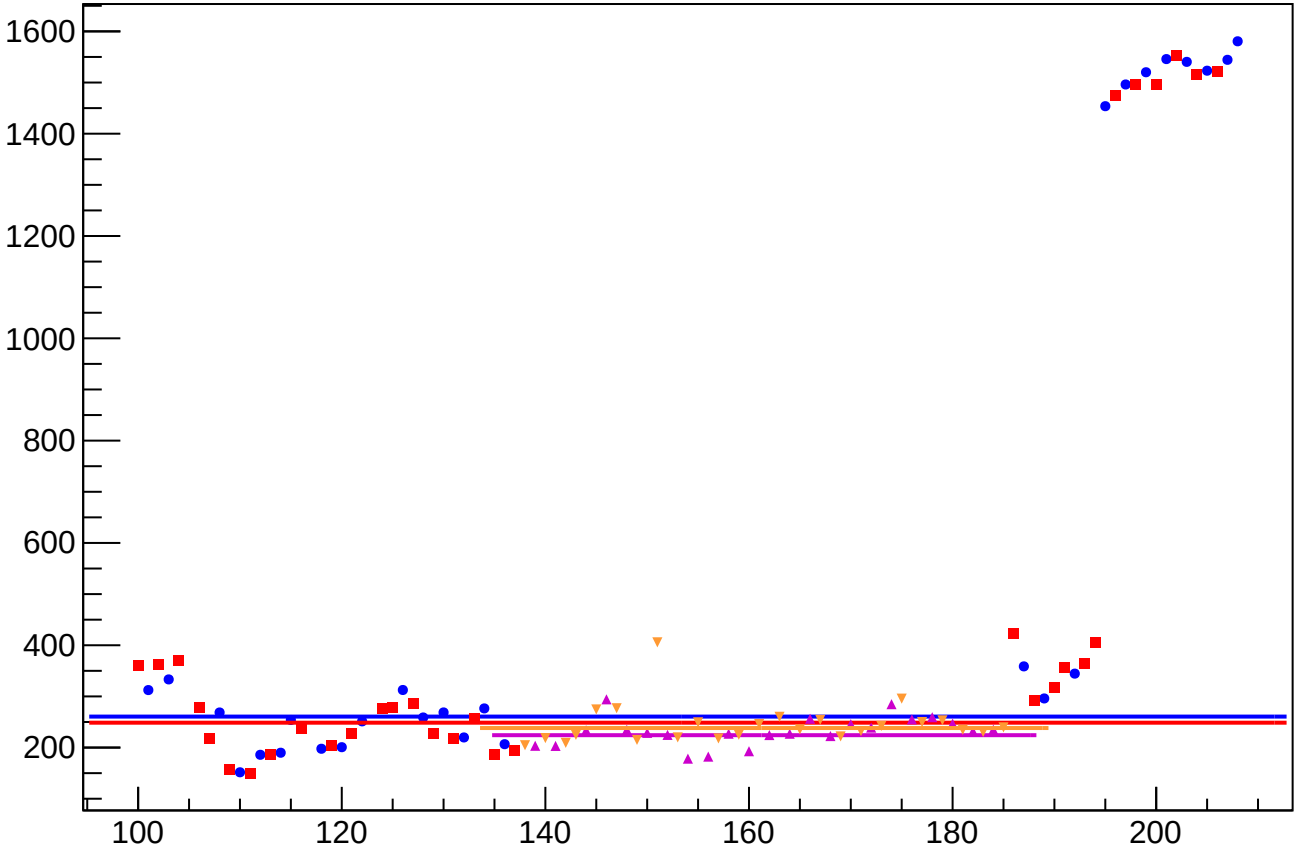
Right: -245.763+/-54.576 χ^2/NDF: 4176.4/57

In: -525.997+/-44.690 χ^2/NDF:2627.5/49

Out: 319.416+/-44.077 χ^2/NDF:4696.0/55

All: -97.445+/-31.382 χ^2/NDF: 7504.9/105

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

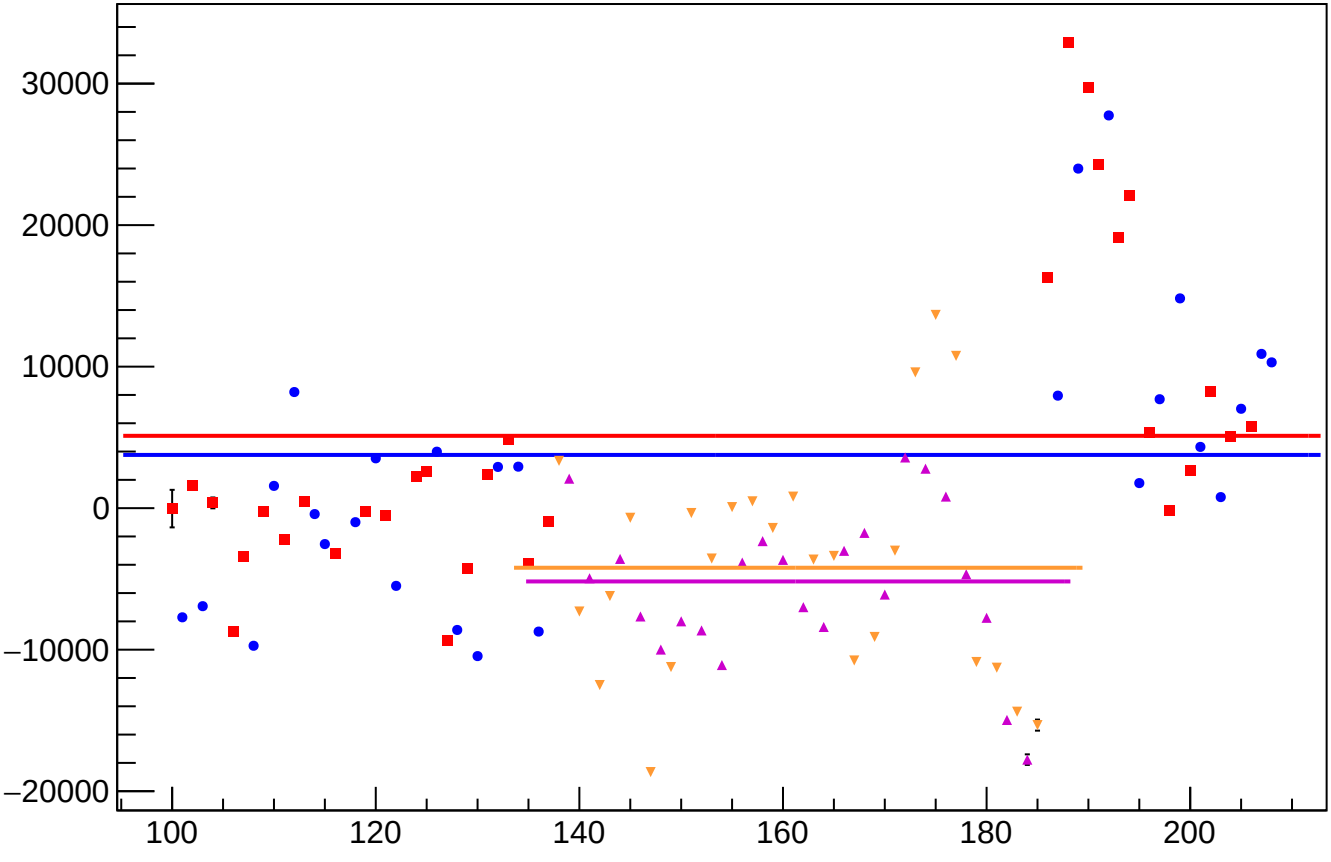
Right: 254.026+/-0.039 χ^2/NDF: 19984326.7/57

In: 235.227+/-0.032 χ^2/NDF:11436803.1/49

Out: 241.930+/-0.031 χ^2/NDF:9960266.5/55

All: 238.625+/-0.022 χ^2/NDF: 21419877.6/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5111.560+/-33.402 χ^2/NDF: 102903.5/30

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

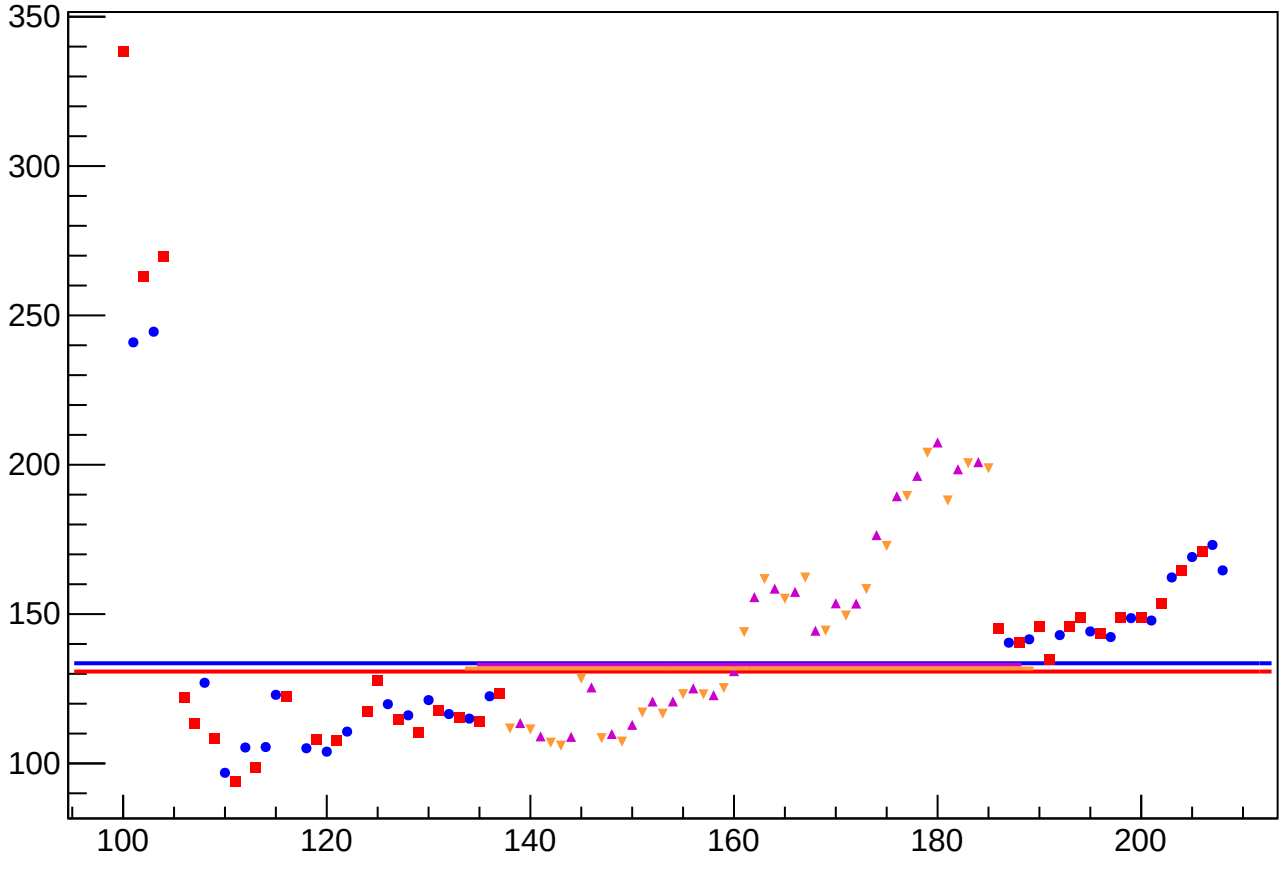
Right: 4464.131+/-24.094 χ^2/NDF: 183058.8/57

In: -1085.115+/-23.539 χ^2/NDF:133716.7/49

Out: 77.591+/-22.654 χ^2/NDF:201768.5/55

All: -481.484+/-16.323 χ^2/NDF: 336751.8/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

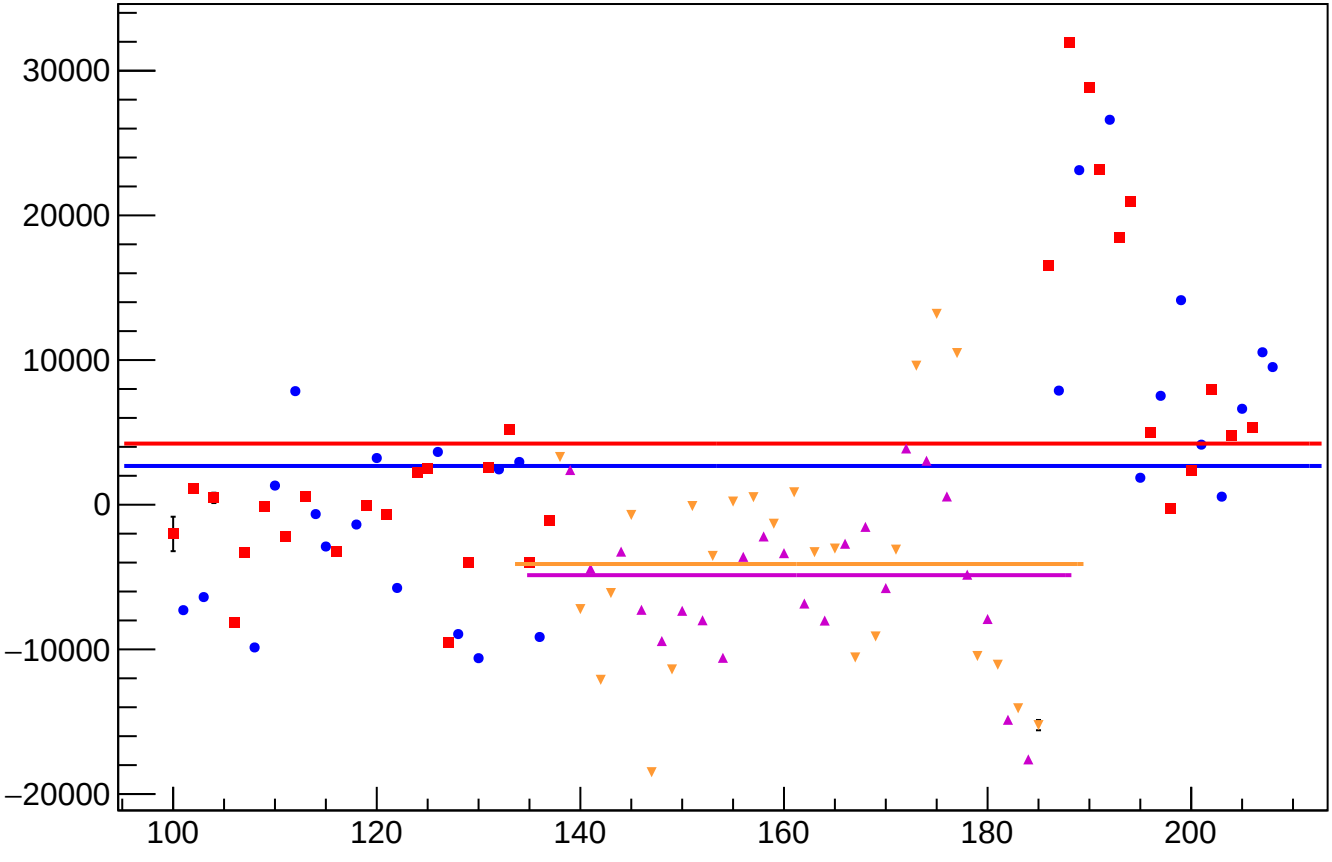
Right: 132.097+/-0.017 χ^2/NDF: 2737873.8/57

In: 133.281+/-0.017 χ^2/NDF:2703948.3/49

Out: 131.323+/-0.016 χ^2/NDF:2991135.6/55

All: 132.265+/-0.012 χ^2/NDF: 5702263.9/105

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2678.910+/-31.830 χ^2/NDF: 87059.1/26

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4225.974+/-30.697 χ^2/NDF: 108643.9/30

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

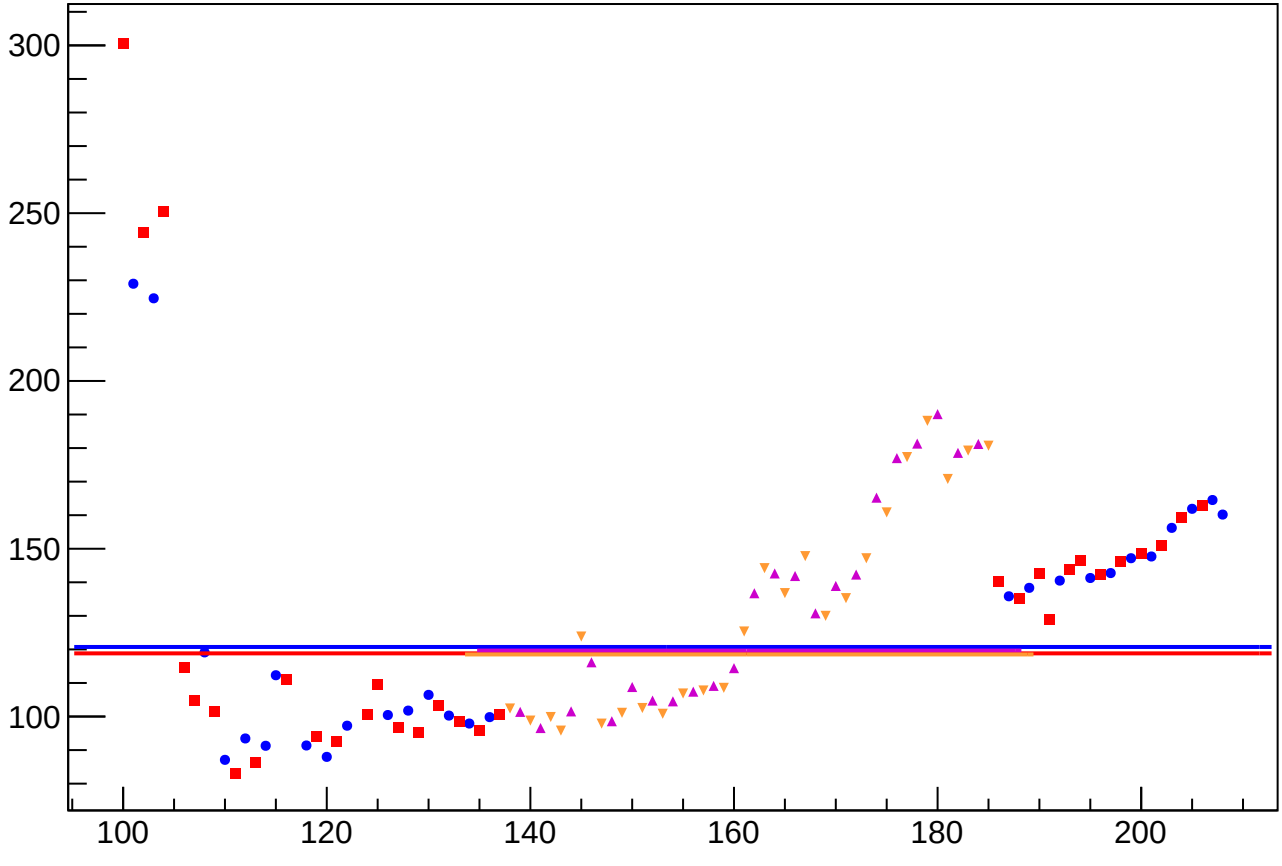
Right: 3480.472+/-22.096 χ^2/NDF: 196927.0/57

In: -1470.616+/-21.359 χ^2/NDF:139888.9/49

Out: -351.976+/-20.594 χ^2/NDF:215359.4/55

All: -890.899+/-14.825 χ^2/NDF: 356669.7/10

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 120.729+/-0.023 χ^2/NDF: 1896989.2/26

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 118.822+/-0.022 χ^2/NDF: 2031933.7/30

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

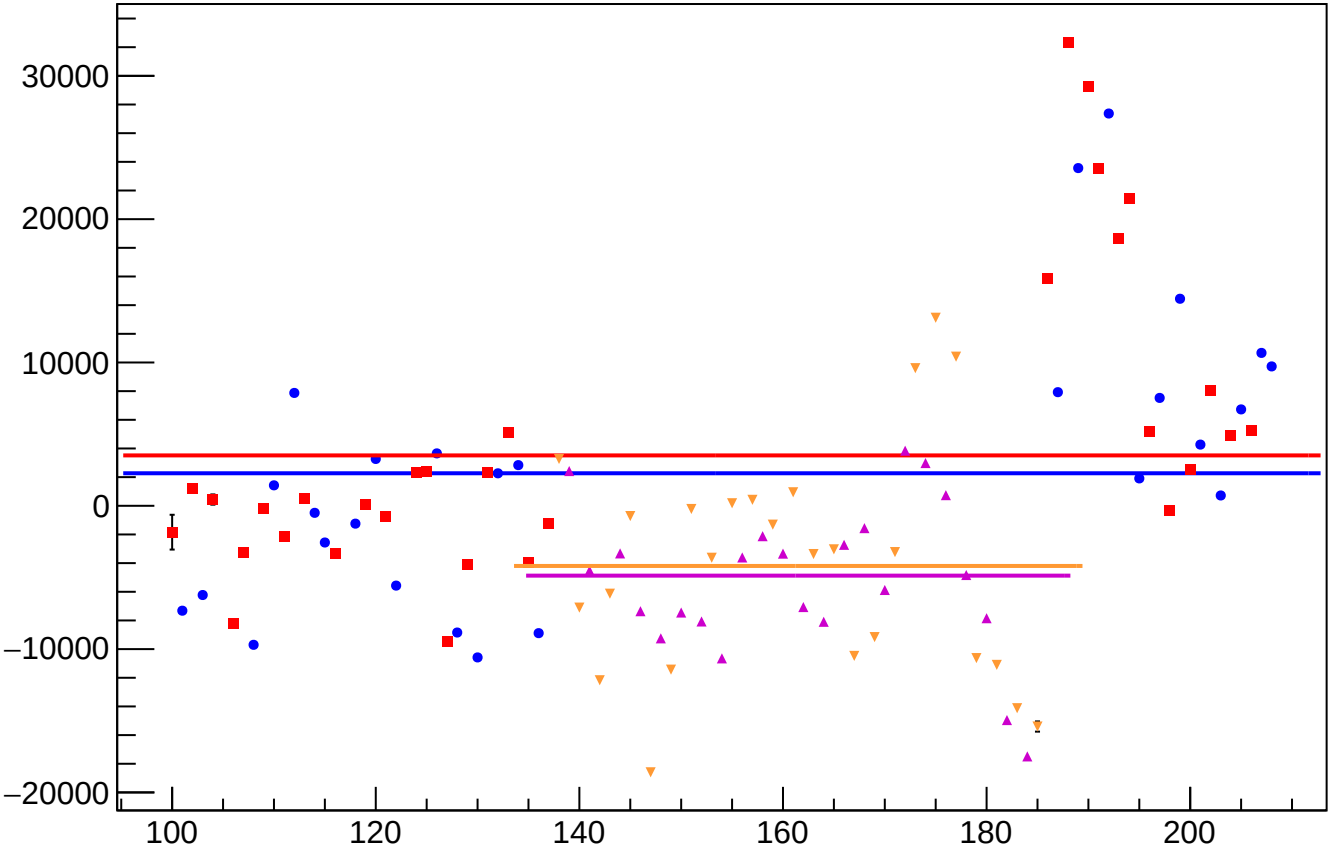
Right: 119.741+/-0.016 χ^2/NDF: 3932643.7/57

In: 120.133+/-0.015 χ^2/NDF:3410644.9/49

Out: 118.646+/-0.015 χ^2/NDF:3659192.0/55

All: 119.362+/-0.010 χ^2/NDF: 7074862.5/105

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2270.148+/-31.429 χ^2/NDF: 86087.3/26

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3516.261+/-30.302 χ^2/NDF: 102022.0/30

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

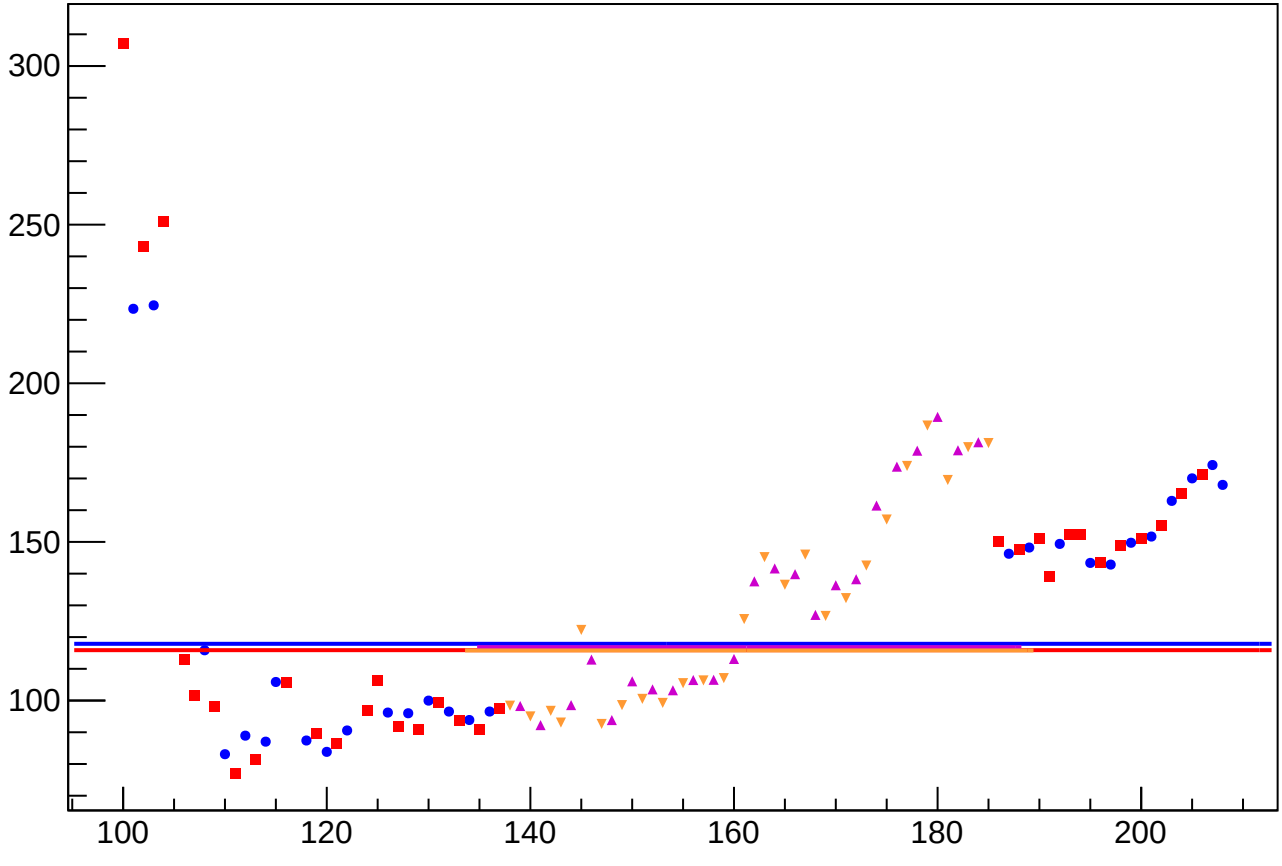
Right: 2915.953+/-21.814 χ^2/NDF: 188924.0/57

In: -1687.138+/-20.990 χ^2/NDF:137628.6/49

Out: -753.956+/-20.246 χ^2/NDF:208311.2/55

All: -1203.719+/-14.572 χ^2/NDF: 346963.8/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 117.883+/-0.022 χ^2/NDF: 2432895.1/26

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 115.880+/-0.021 χ^2/NDF: 2660984.2/30

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

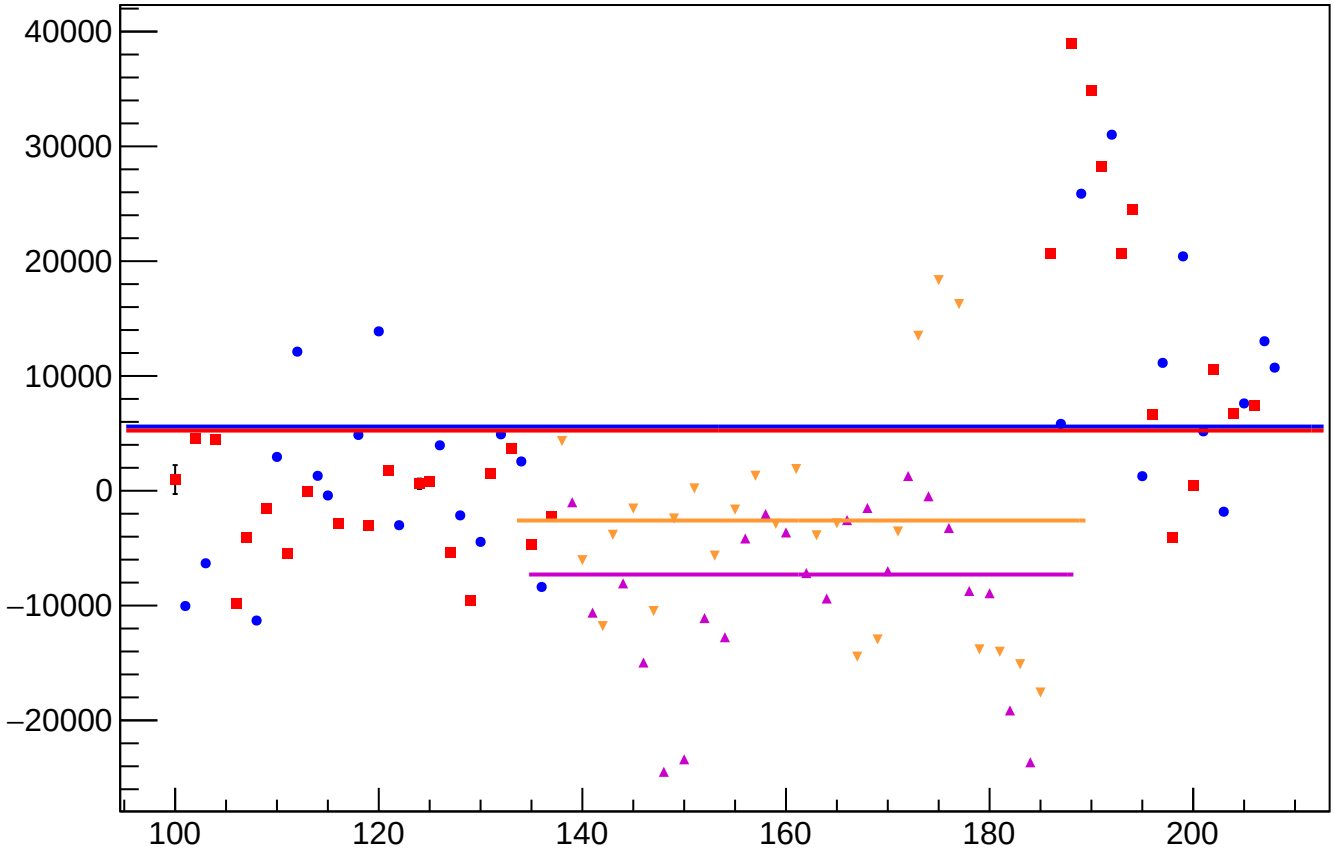
Right: 116.845+/-0.015 χ^2/NDF: 5098089.1/57

In: 117.288+/-0.015 χ^2/NDF:4051835.0/49

Out: 115.834+/-0.014 χ^2/NDF:4410013.4/55

All: 116.535+/-0.010 χ^2/NDF: 8466814.3/105

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5591.493+/-41.672 χ^2/NDF: 64369.9/26

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5243.191+/-40.419 χ^2/NDF: 97097.4/30

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

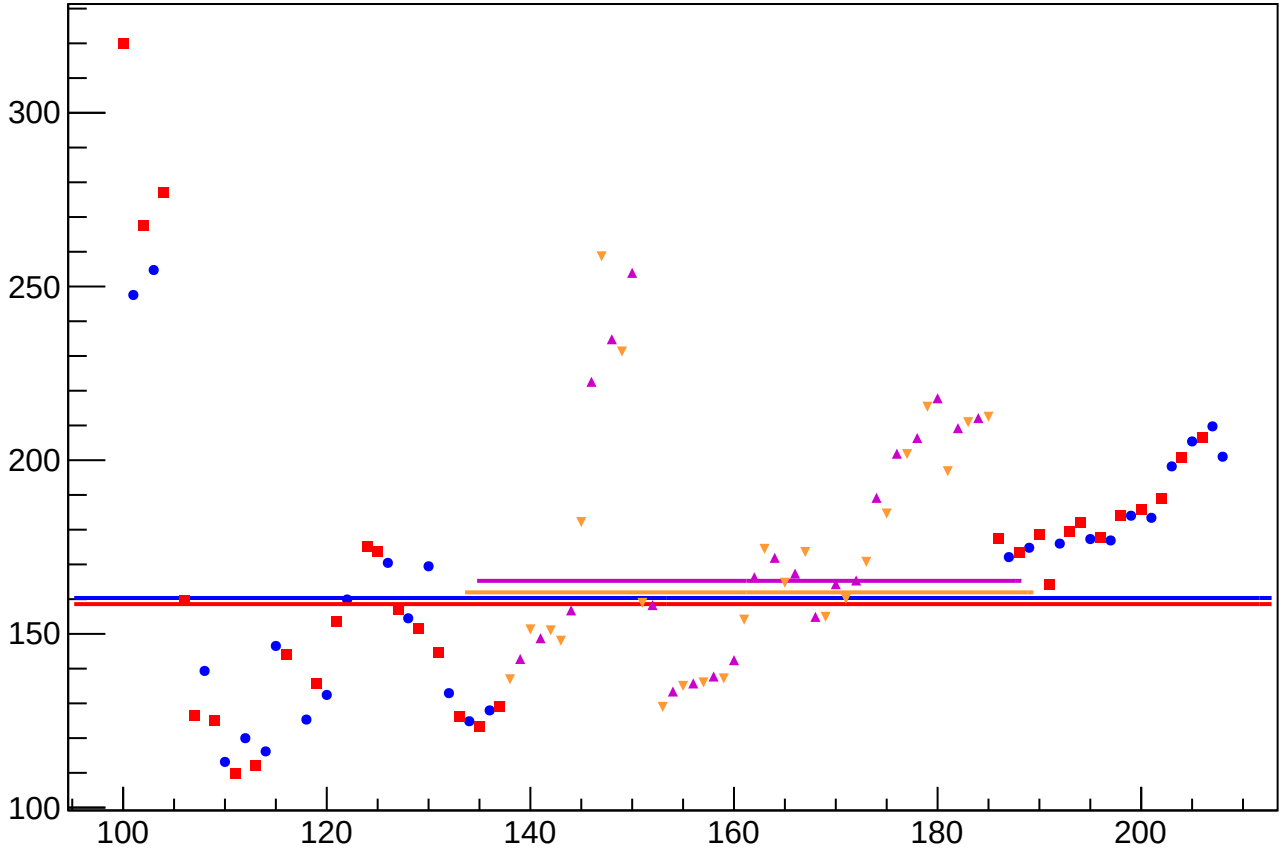
Right: 5412.025+/-29.014 χ^2/NDF: 161503.3/57

In: -1184.706+/-28.697 χ^2/NDF:139401.4/49

Out: 1047.680+/-27.547 χ^2/NDF:165212.2/55

All: -22.889+/-19.873 χ^2/NDF: 307763.1/105

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 160.334+/-0.029 χ^2/NDF: 1356307.5/26

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 158.575+/-0.029 χ^2/NDF: 1465348.7/30

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

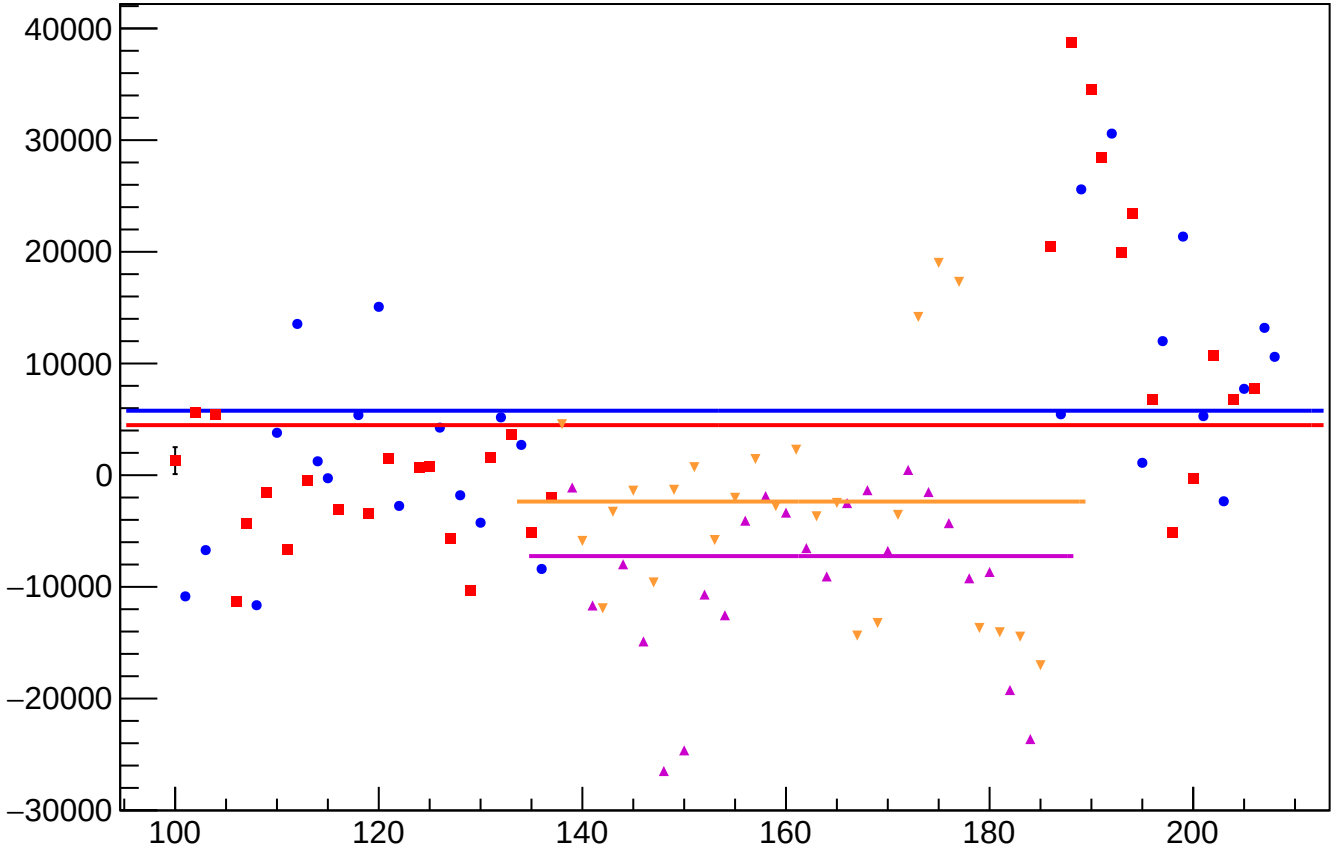
Right: 159.428+/-0.021 χ^2/NDF: 2823492.5/57

In: 162.931+/-0.020 χ^2/NDF:2550165.3/49

Out: 160.386+/-0.019 χ^2/NDF:2617654.7/55

All: 161.606+/-0.014 χ^2/NDF: 5176004.0/105

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5772.337+/-35.382 χ^2/NDF: 89819.3/26

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4481.238+/-34.092 χ^2/NDF: 134969.8/30

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

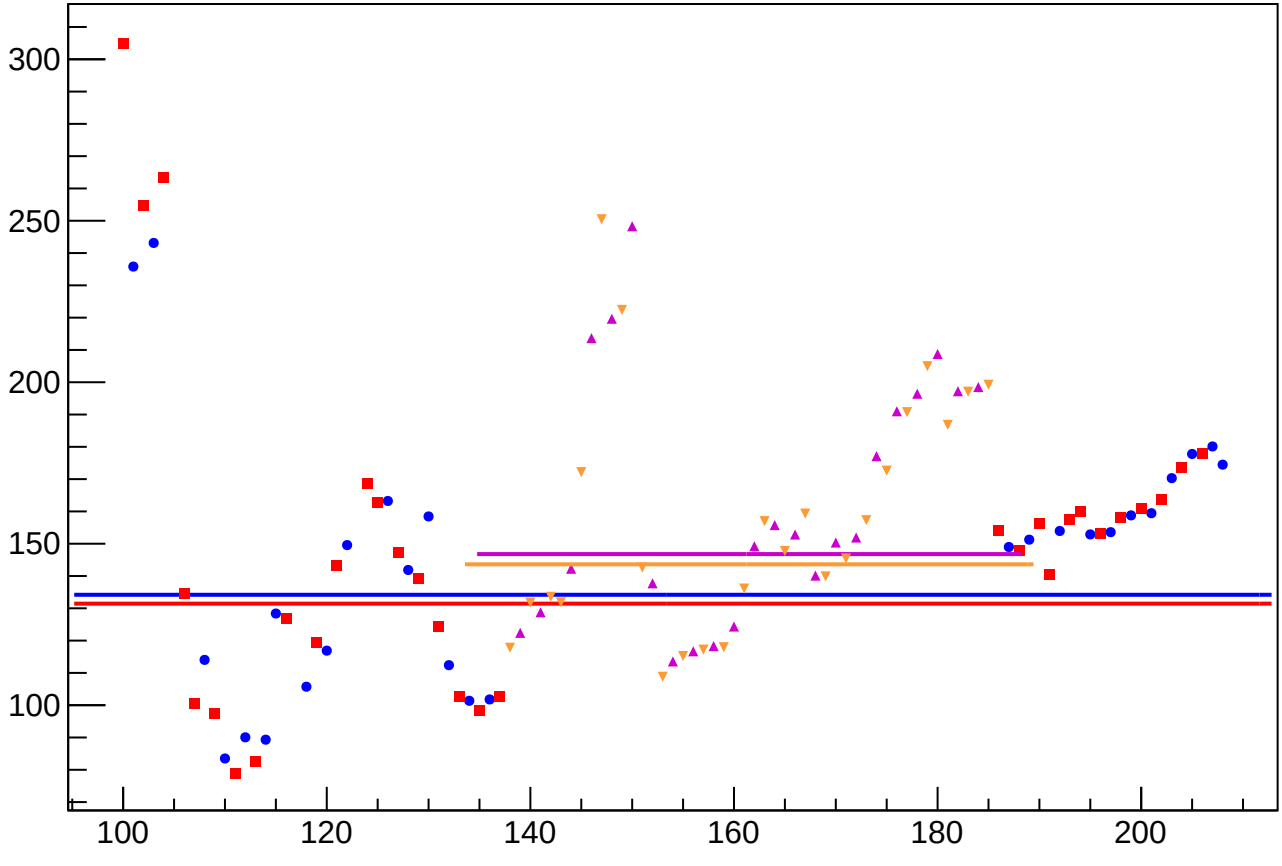
Right: 5102.826+/-24.550 χ^2/NDF: 225479.6/57

In: -713.236+/-25.063 χ^2/NDF:187703.9/49

Out: 1018.642+/-23.960 χ^2/NDF:213919.4/55

All: 191.657+/-17.319 χ^2/NDF: 404118.1/105

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 134.191+/-0.025 χ^2/NDF: 2030757.4/26

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 131.444+/-0.024 χ^2/NDF: 2314001.0/30

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

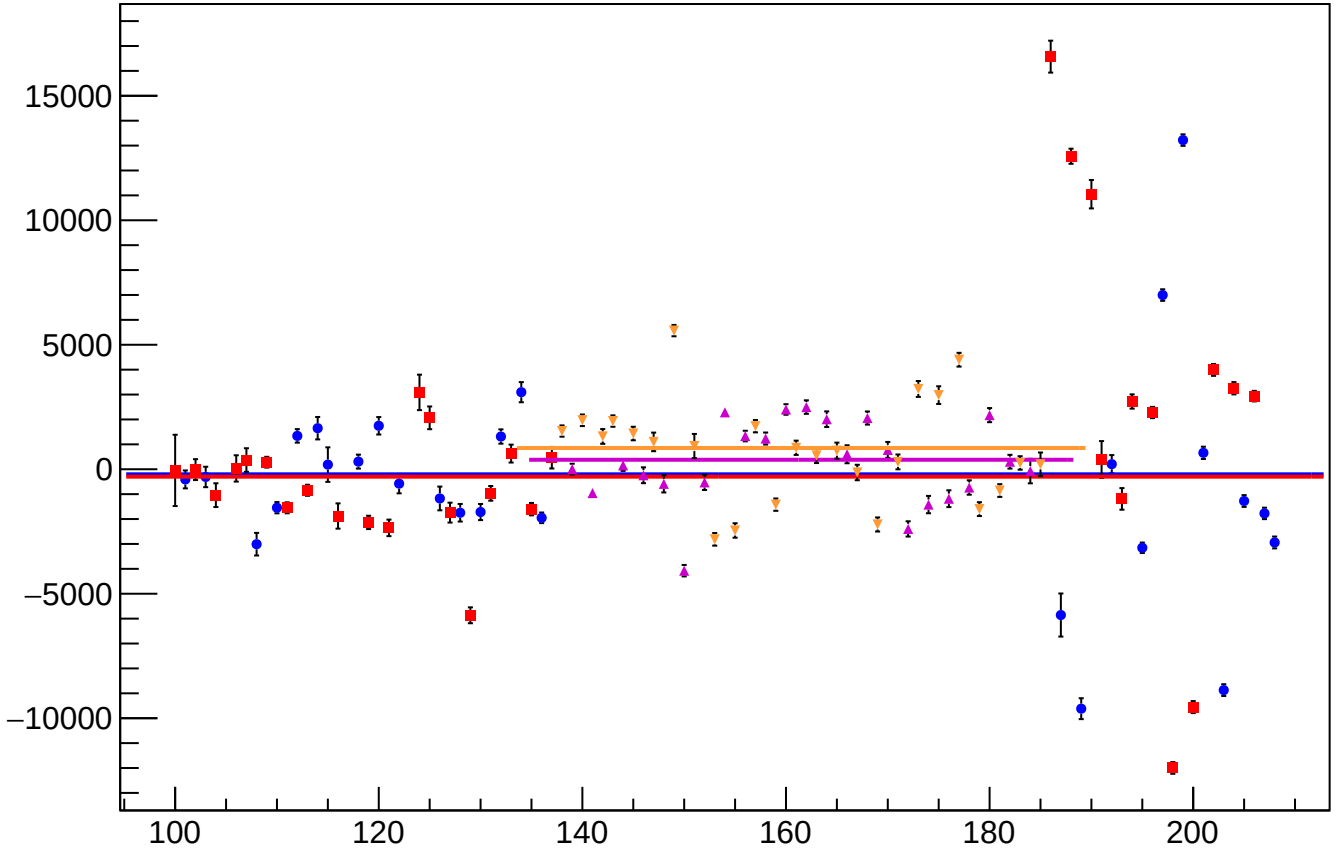
Right: 132.766+/-0.017 χ^2/NDF: 4351008.3/57

In: 140.470+/-0.018 χ^2/NDF:3851703.5/49

Out: 137.607+/-0.017 χ^2/NDF:4105980.0/55

All: 138.974+/-0.012 χ^2/NDF: 7971315.6/105

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -204.192+/-56.659 χ^2/NDF: 6999.3/26

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -297.650+/-56.088 χ^2/NDF: 8397.9/30

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

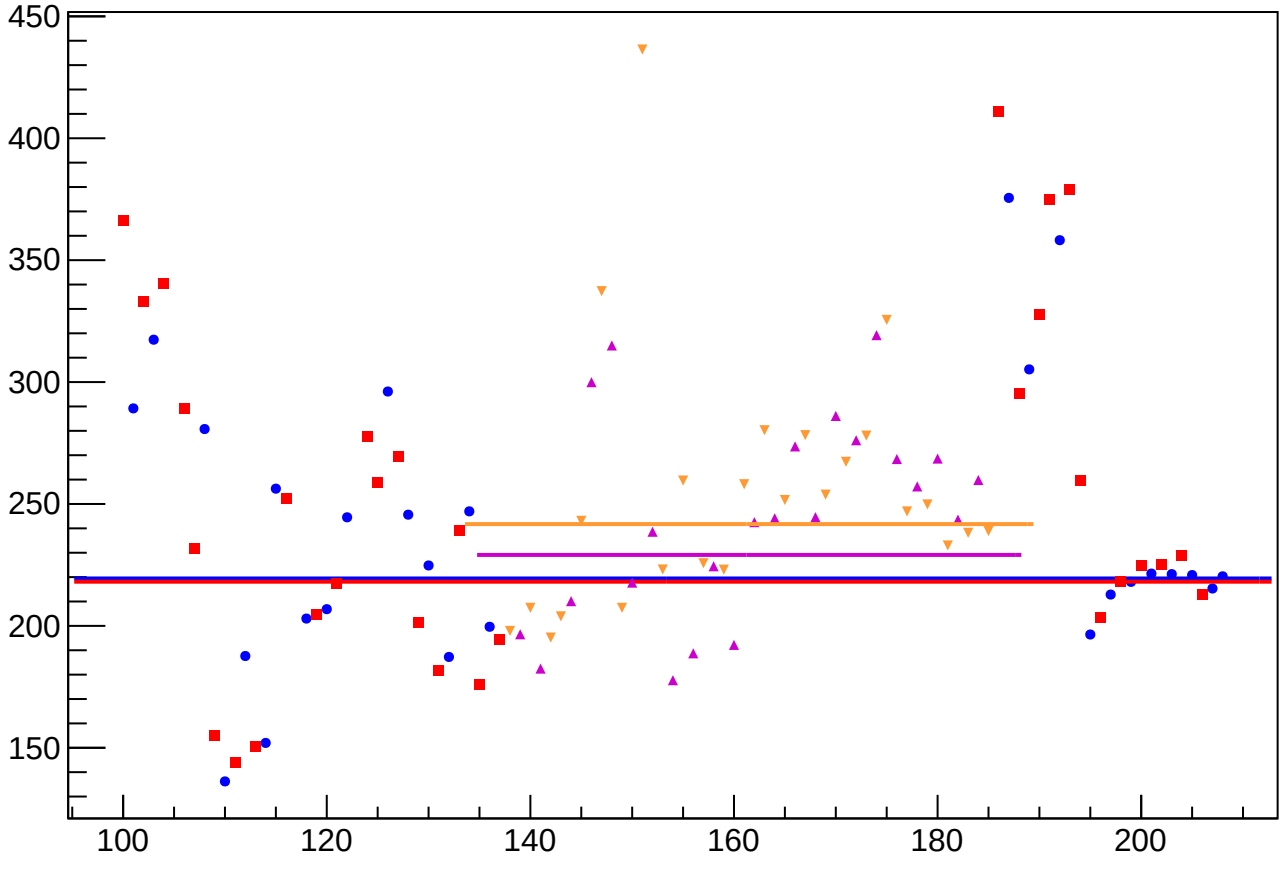
Right: -251.394+/-39.861 χ^2/NDF: 15398.6/57

In: 96.310+/-39.514 χ^2/NDF:8036.5/49

Out: 276.609+/-39.713 χ^2/NDF:10052.0/55

All: 186.008+/-28.011 χ^2/NDF: 18098.8/105

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.441+/-0.040 χ^2/NDF: 1172101.1/26

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.128+/-0.040 χ^2/NDF: 1910079.4/30

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

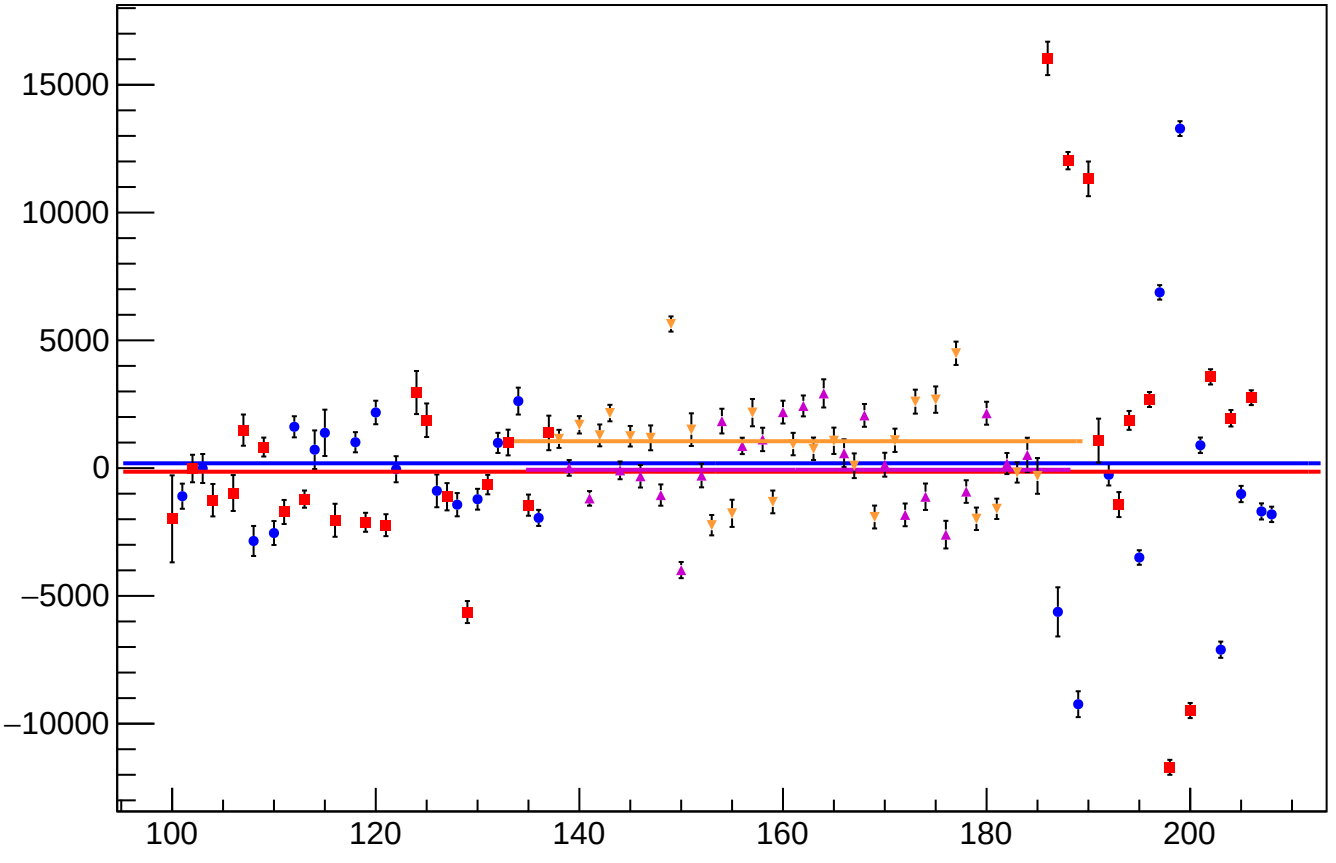
Right: 218.778+/-0.028 χ^2/NDF: 3082722.7/57

In: 224.404+/-0.028 χ^2/NDF:2270937.9/49

Out: 229.906+/-0.028 χ^2/NDF:3073312.2/55

All: 227.141+/-0.020 χ^2/NDF: 5363541.6/105

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 189.174+/-76.480 χ^2/NDF: 3970.8/26

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -140.408+/-76.310 χ^2/NDF: 5478.2/30

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

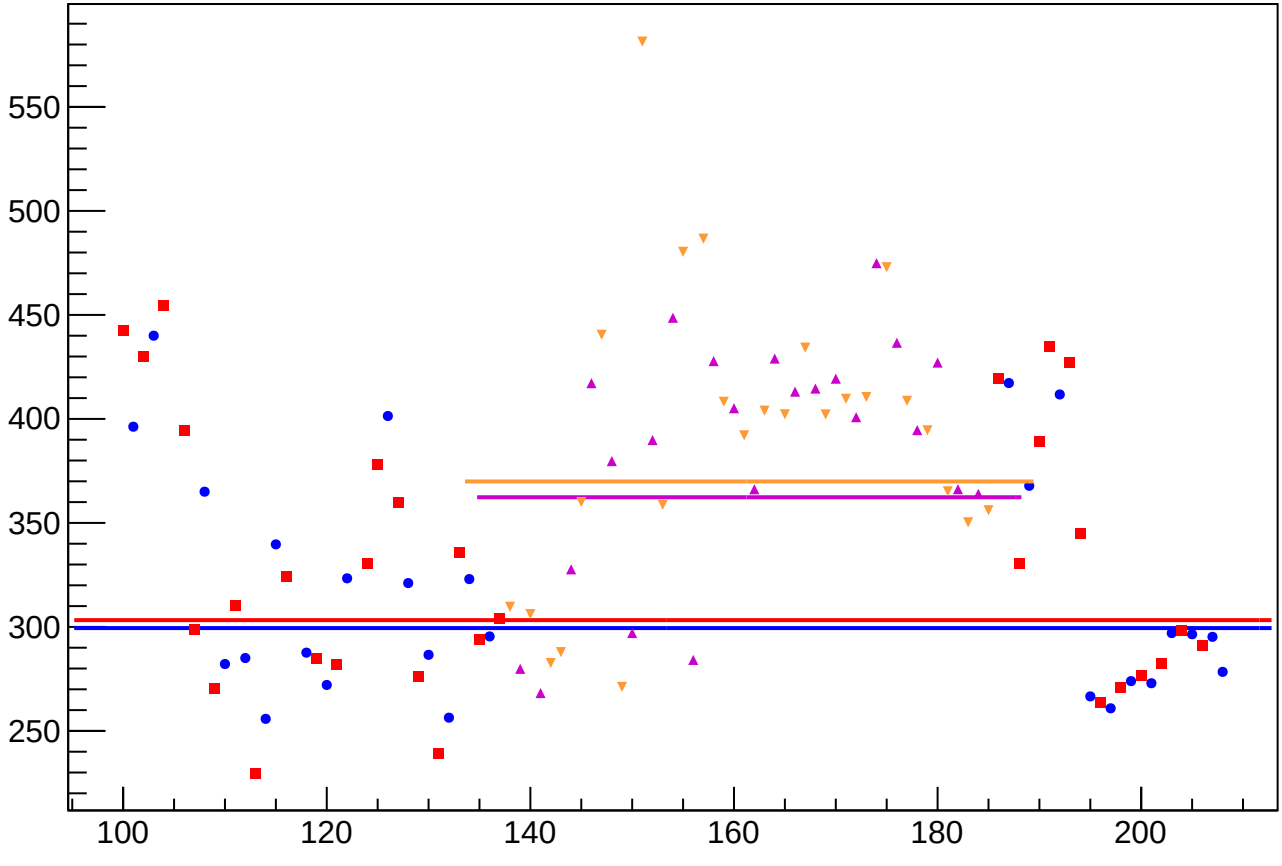
Right: 24.017+/-54.019 χ^2/NDF: 9458.4/57

In: 78.040+/-57.342 χ^2/NDF:4370.1/49

Out: 386.175+/-57.048 χ^2/NDF:6200.8/55

All: 232.899+/-40.443 χ^2/NDF: 10585.4/105

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 299.440+/-0.054 χ^2/NDF: 654535.1/26

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 303.261+/-0.054 χ^2/NDF: 920406.1/30

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

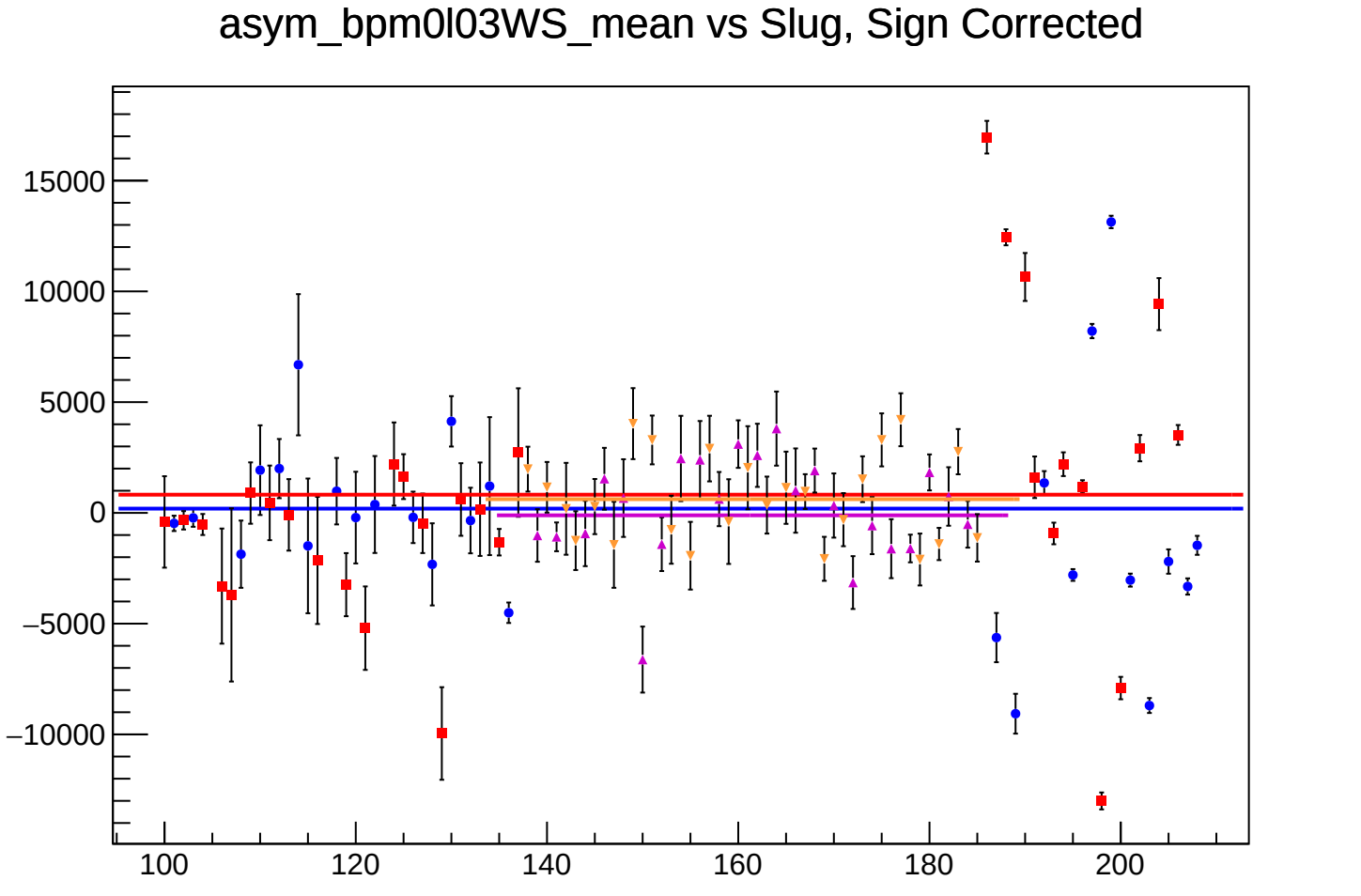
Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

Right: 301.355+/-0.038 χ^2/NDF: 1577442.2/57

In: 326.981+/-0.041 χ^2/NDF:2300265.0/49

Out: 332.666+/-0.040 χ^2/NDF:2823968.5/55

All: 329.838+/-0.029 χ^2/NDF: 5134115.0/105



Right In: 192.135+/-98.756 χ^2/NDF: 4075.8/26

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 821.557+/-120.827 χ^2/NDF: 3408.4/30

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

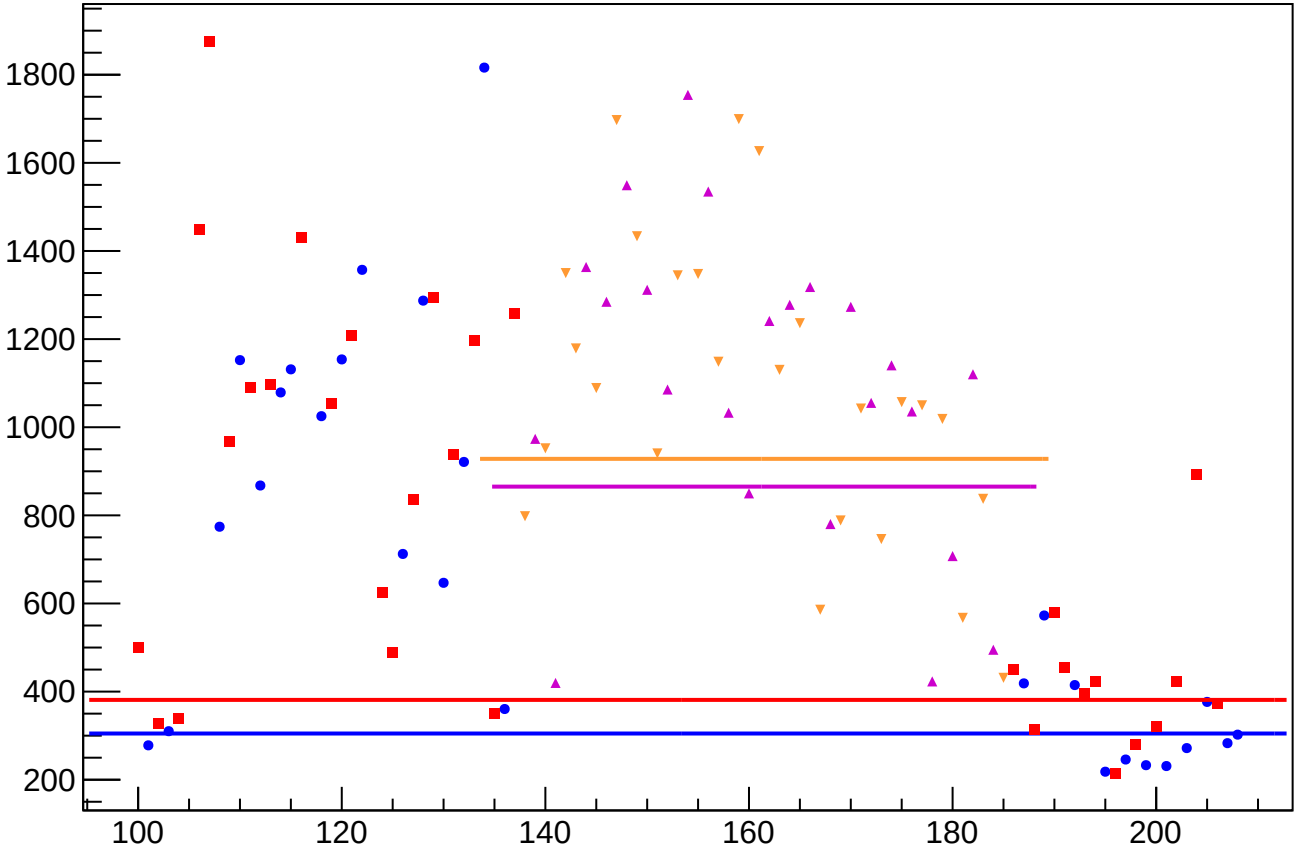
Right: 444.214+/-76.465 χ^2/NDF: 7500.5/57

In: 147.771+/-91.206 χ^2/NDF:4148.9/49

Out: 779.996+/-107.752 χ^2/NDF:3474.7/55

All: 411.666+/-69.615 χ^2/NDF: 7643.7/105

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 304.887+/-0.070 χ^2/NDF: 5152390.9/26

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.179+/-0.085 χ^2/NDF: 5666005.6/30

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

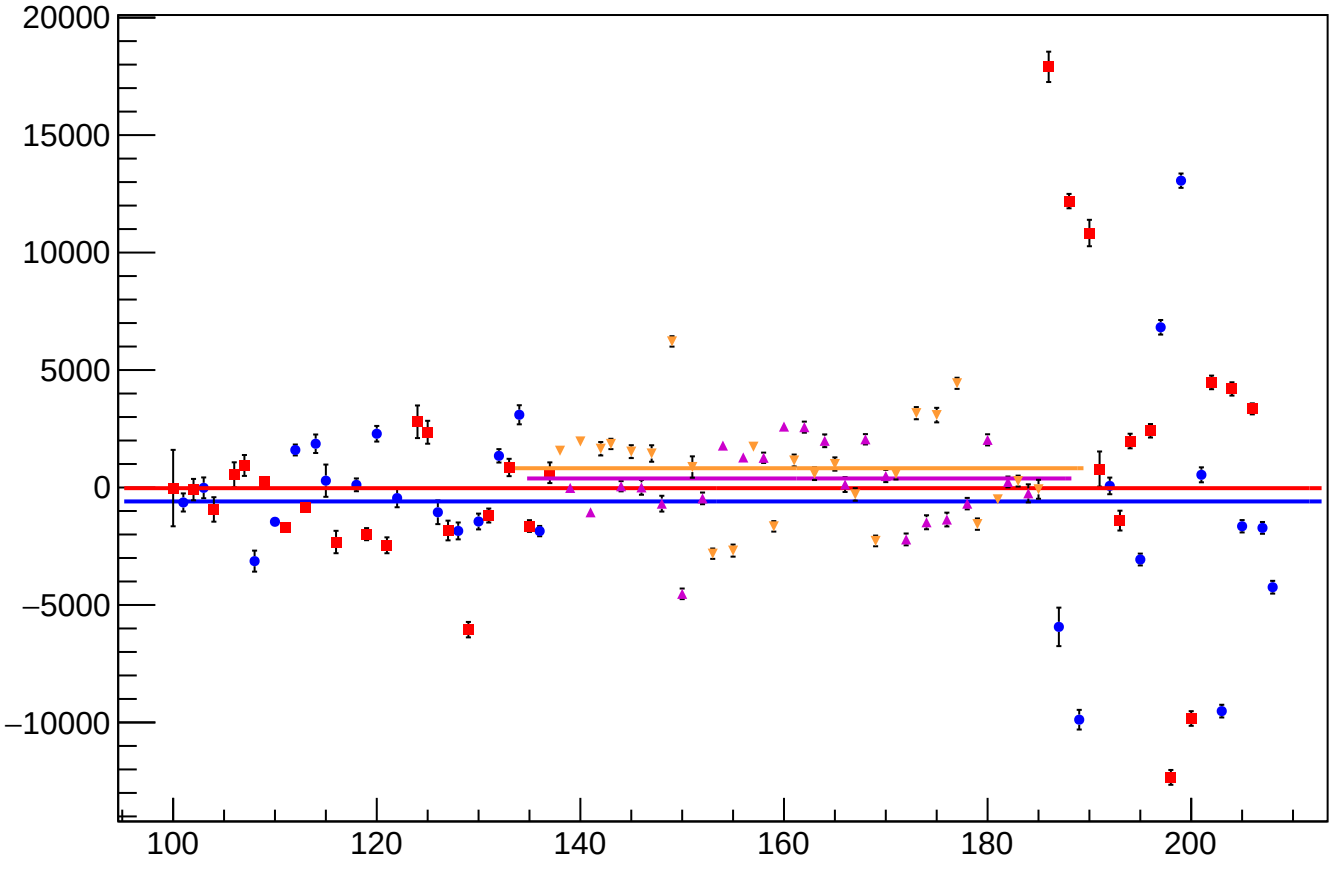
Right: 335.441+/-0.054 χ^2/NDF: 11296431.9/57

In: 387.294+/-0.064 χ^2/NDF:19414383.9/49

Out: 493.171+/-0.076 χ^2/NDF:17353823.8/55

All: 431.488+/-0.049 χ^2/NDF: 37893181.3/10

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -592.898+/-60.170 χ^2/NDF: 4973.4/26

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -28.454+/-58.087 χ^2/NDF: 6734.8/30

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

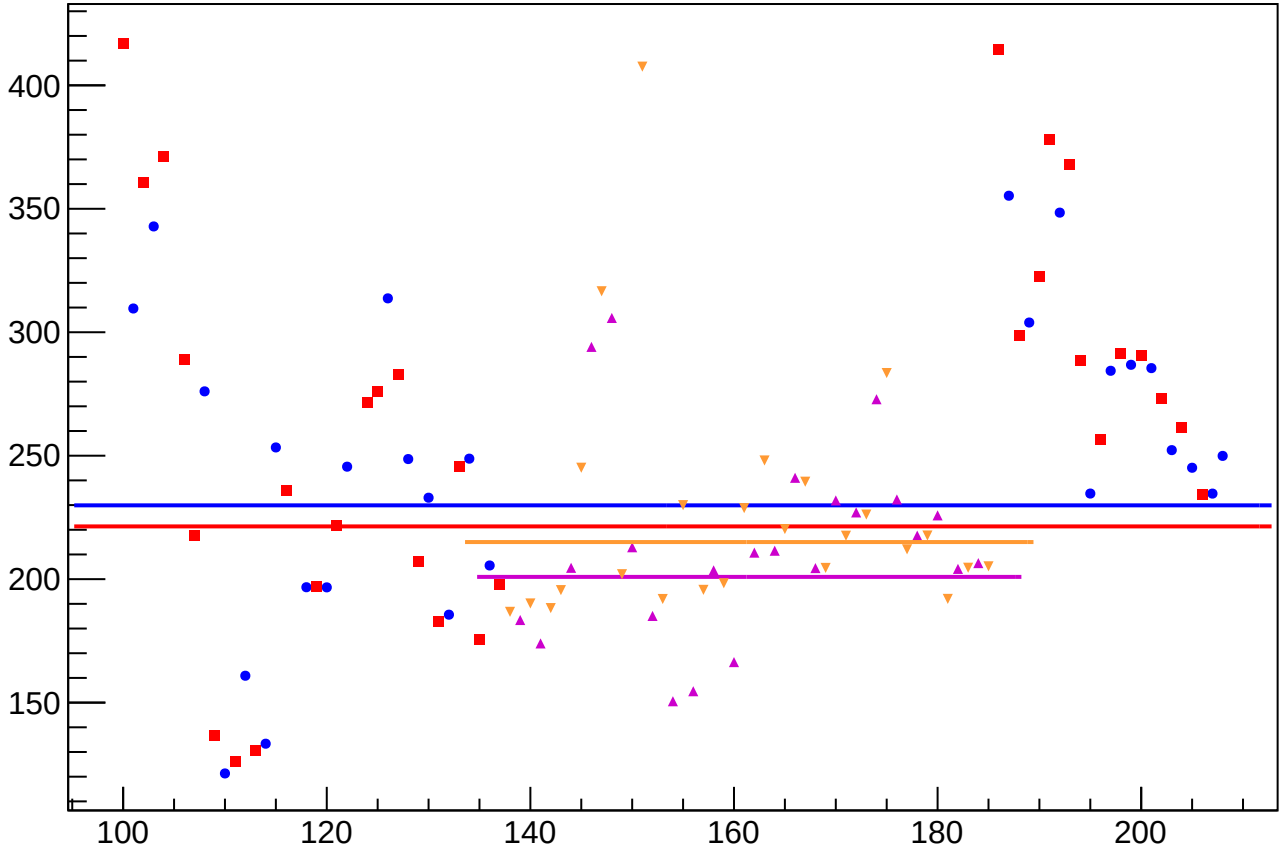
Right: -300.736+/-41.791 χ^2/NDF: 11753.8/57

In: 0.311+/-37.739 χ^2/NDF:6387.0/49

Out: 459.406+/-37.893 χ^2/NDF:8848.4/55

All: 228.924+/-26.740 χ^2/NDF: 15309.0/105

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 229.894+/-0.043 χ^2/NDF: 1857757.2/26

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 221.364+/-0.041 χ^2/NDF: 3077790.0/30

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

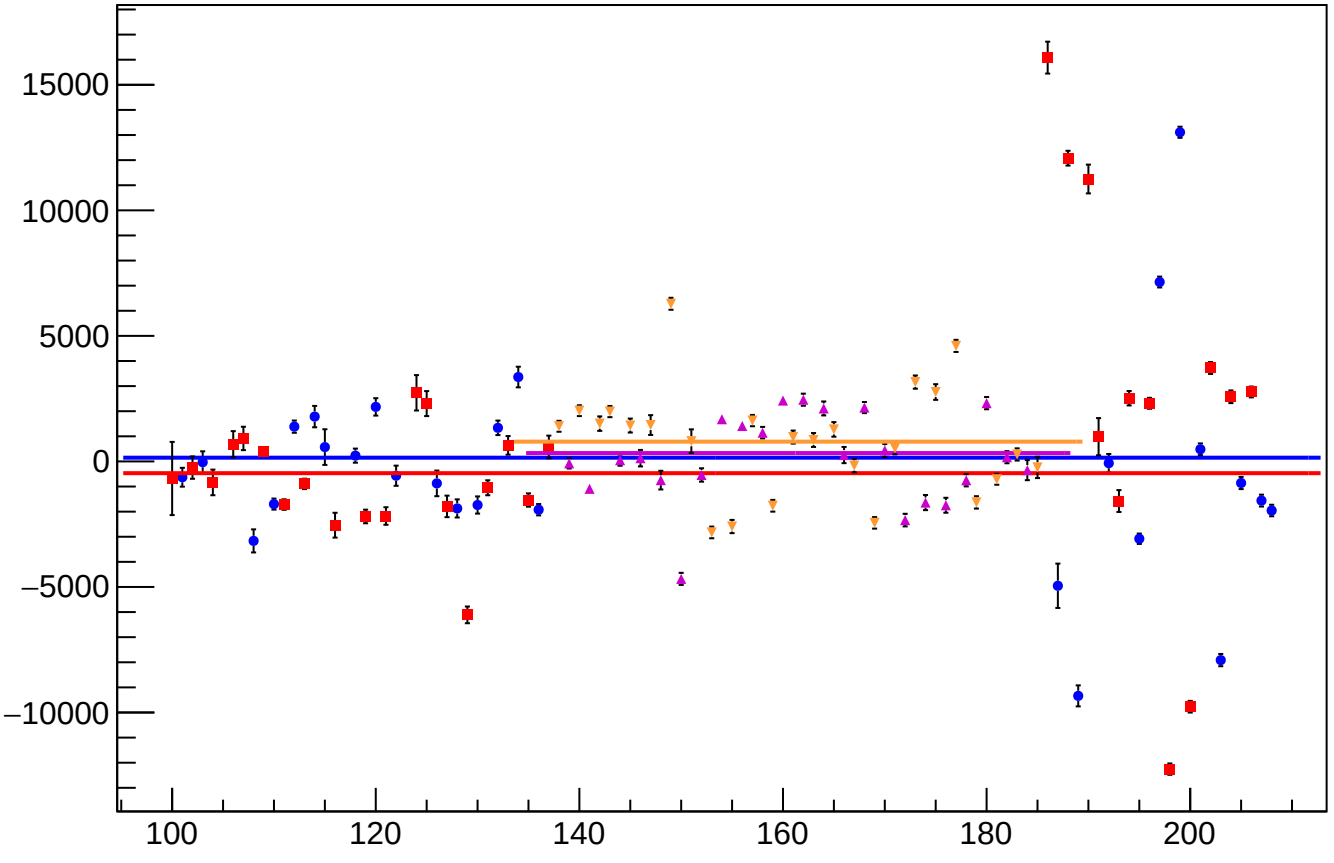
Right: 225.478+/-0.030 χ^2/NDF: 4956351.6/57

In: 212.316+/-0.027 χ^2/NDF:3244966.3/49

Out: 217.723+/-0.027 χ^2/NDF:3989254.7/55

All: 215.009+/-0.019 χ^2/NDF: 7254669.0/105

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 148.626+/-56.324 χ^2/NDF: 6932.0/26

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -468.136+/-55.587 χ^2/NDF: 8734.4/30

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

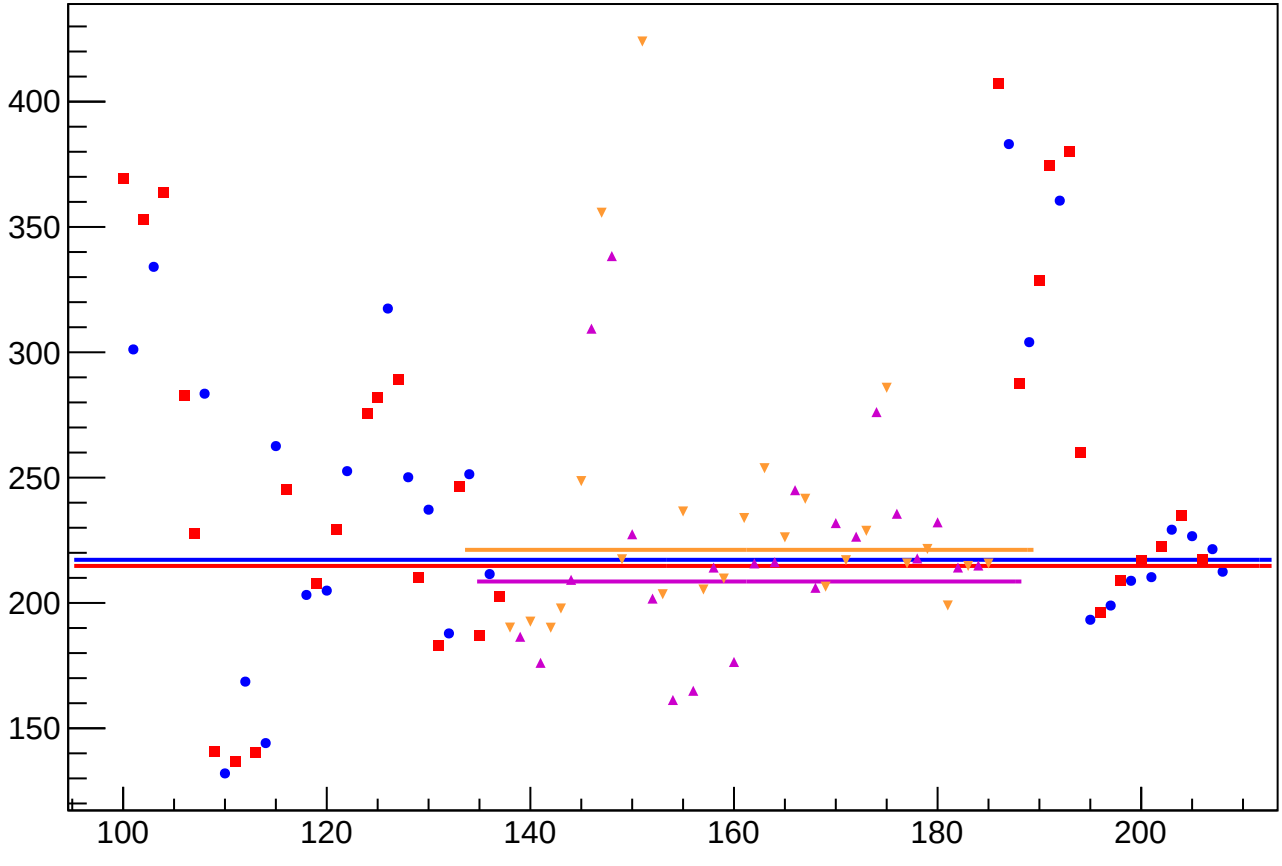
Right: -163.819+/-39.564 χ^2/NDF: 15727.1/57

In: 251.557+/-37.473 χ^2/NDF:8153.2/49

Out: 208.775+/-37.748 χ^2/NDF:10899.8/55

All: 230.322+/-26.594 χ^2/NDF: 19053.7/105

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 217.209+/-0.040 χ^2/NDF: 1412015.8/26

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.767+/-0.039 χ^2/NDF: 2265258.0/30

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

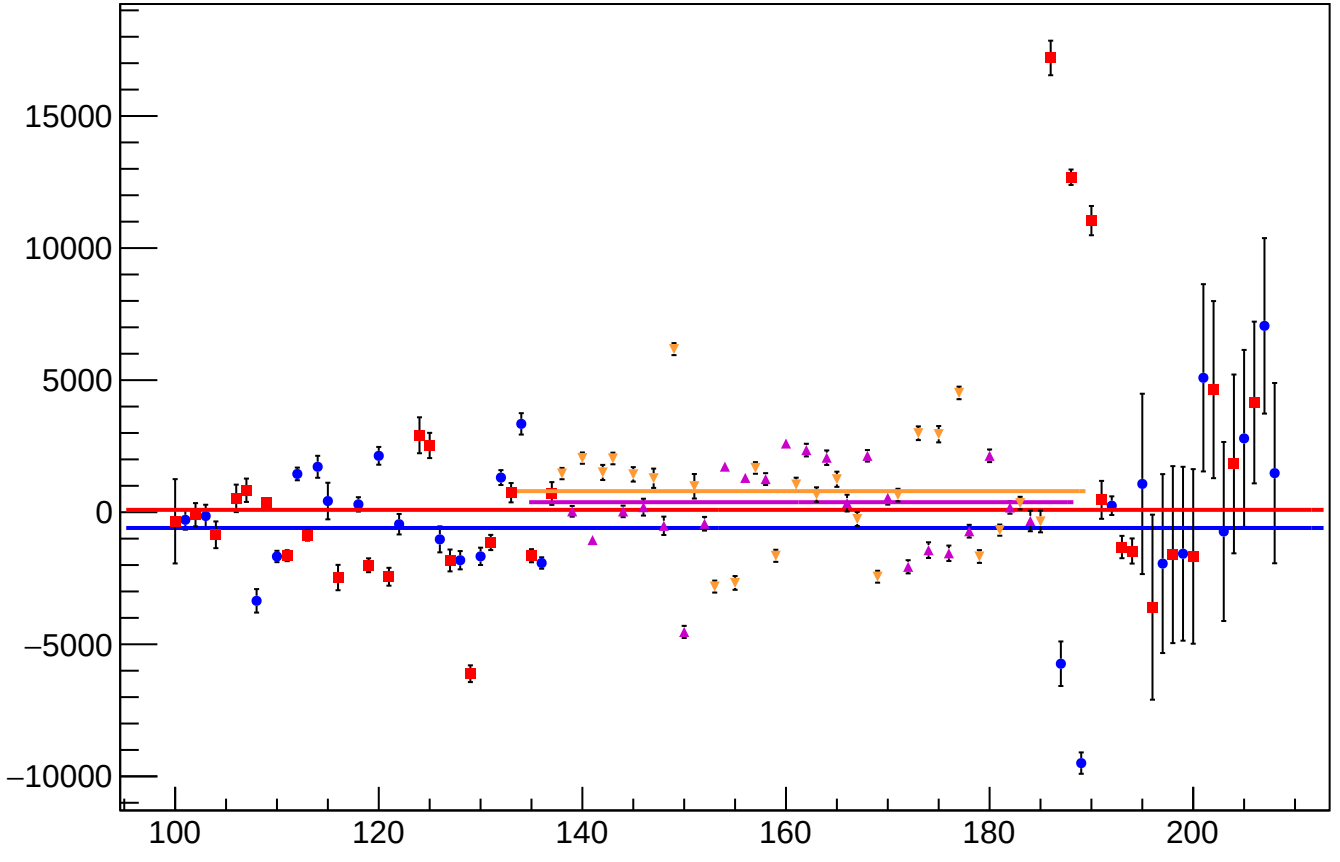
Right: 215.972+/-0.028 χ^2/NDF: 3679179.4/57

In: 212.387+/-0.026 χ^2/NDF:2473965.2/49

Out: 218.225+/-0.027 χ^2/NDF:3219146.3/55

All: 215.285+/-0.019 χ^2/NDF: 5717211.6/105

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -596.533+/-76.338 χ^2/NDF: 986.3/26

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 89.547+/-68.098 χ^2/NDF: 3735.6/30

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

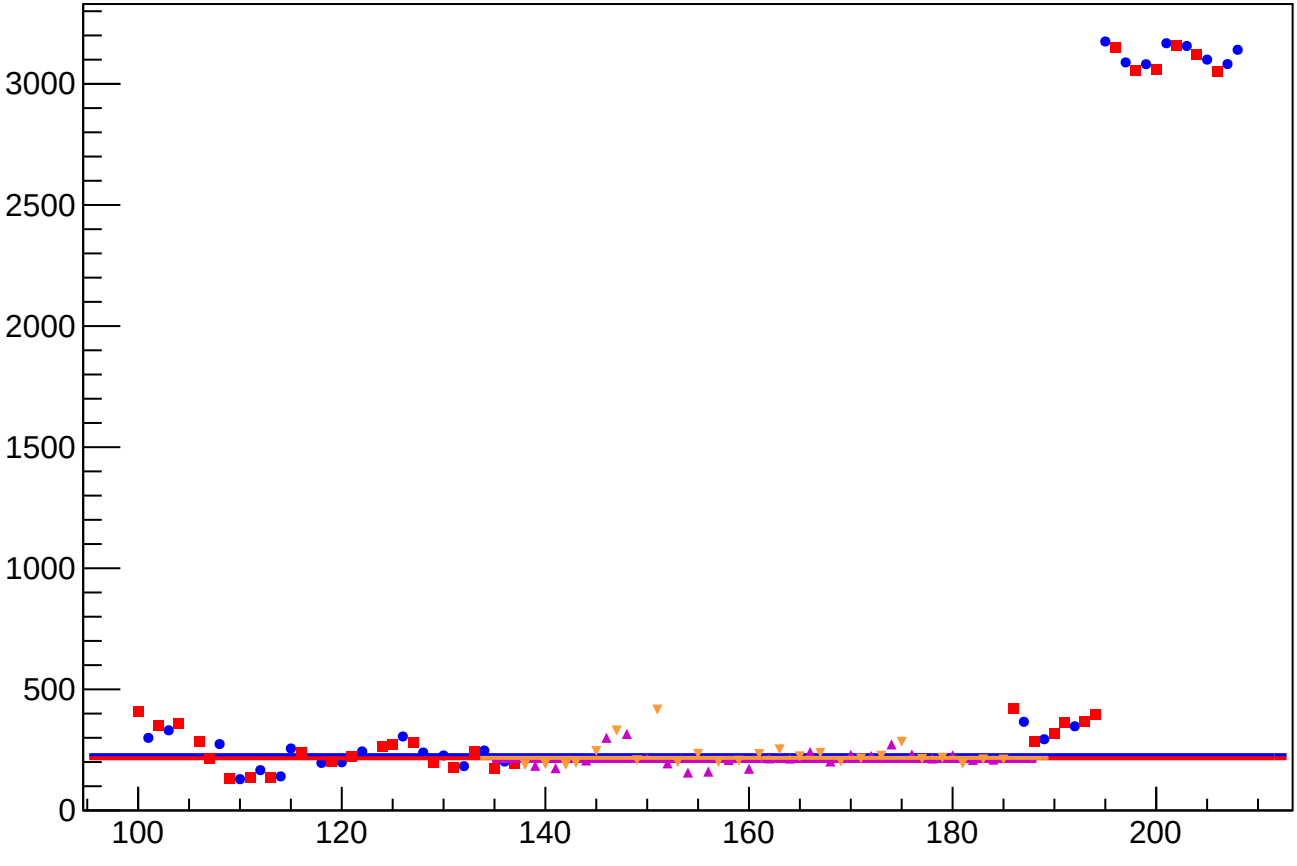
Right: -214.479+/-50.817 χ^2/NDF: 4766.9/57

In: 93.250+/-41.345 χ^2/NDF:2303.1/49

Out: 546.326+/-40.561 χ^2/NDF:5766.2/55

All: 324.126+/-28.954 χ^2/NDF: 8130.4/105

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 228.307+/-0.054 χ^2/NDF: 13065257.8/26

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 215.507+/-0.048 χ^2/NDF: 11687841.6/30

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

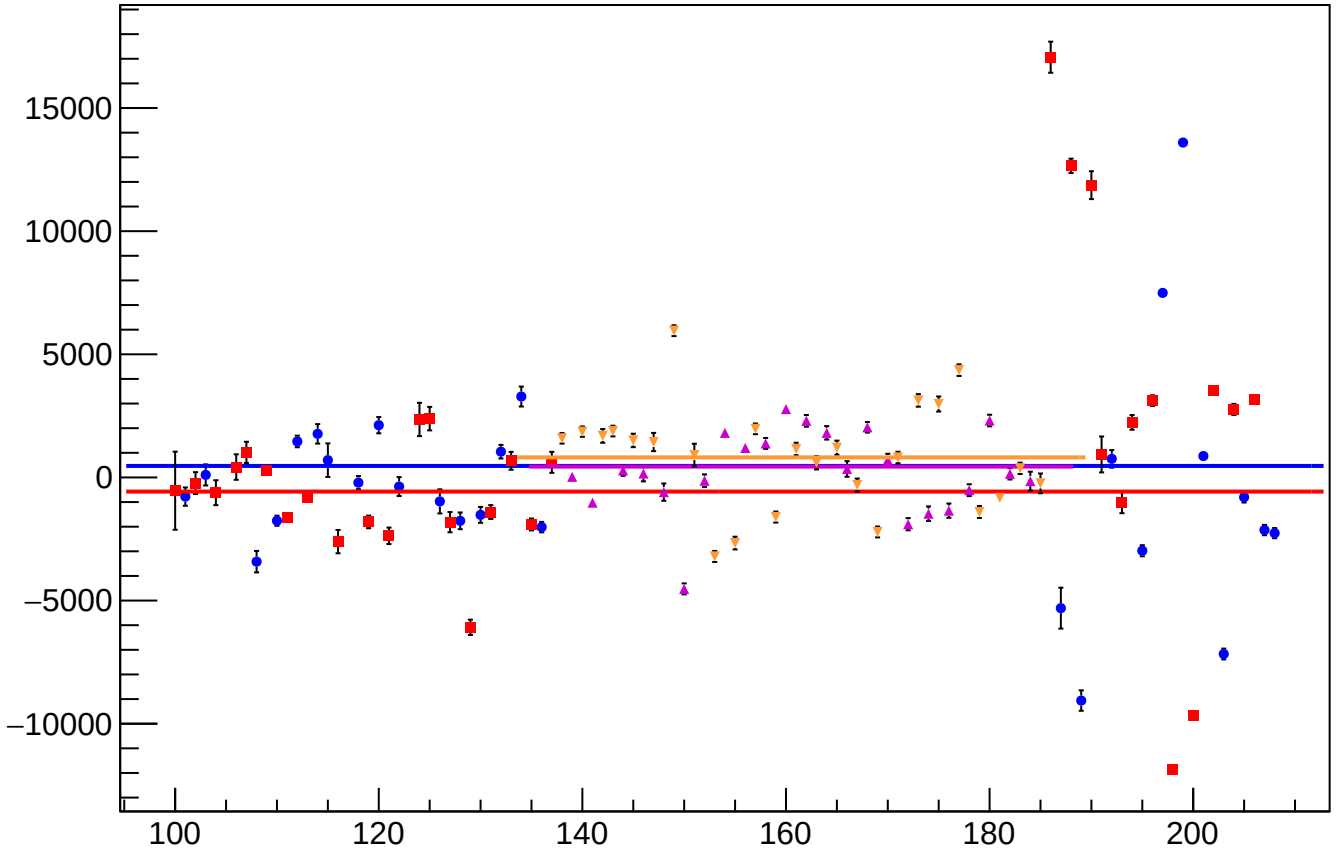
Right: 221.179+/-0.036 χ^2/NDF: 24784409.4/57

In: 211.348+/-0.029 χ^2/NDF:14219988.9/49

Out: 216.615+/-0.029 χ^2/NDF:12599107.0/55

All: 214.032+/-0.020 χ^2/NDF: 26835638.3/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 467.142+/-52.401 χ^2/NDF: 9116.9/26

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -573.929+/-51.678 χ^2/NDF: 10636.8/30

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

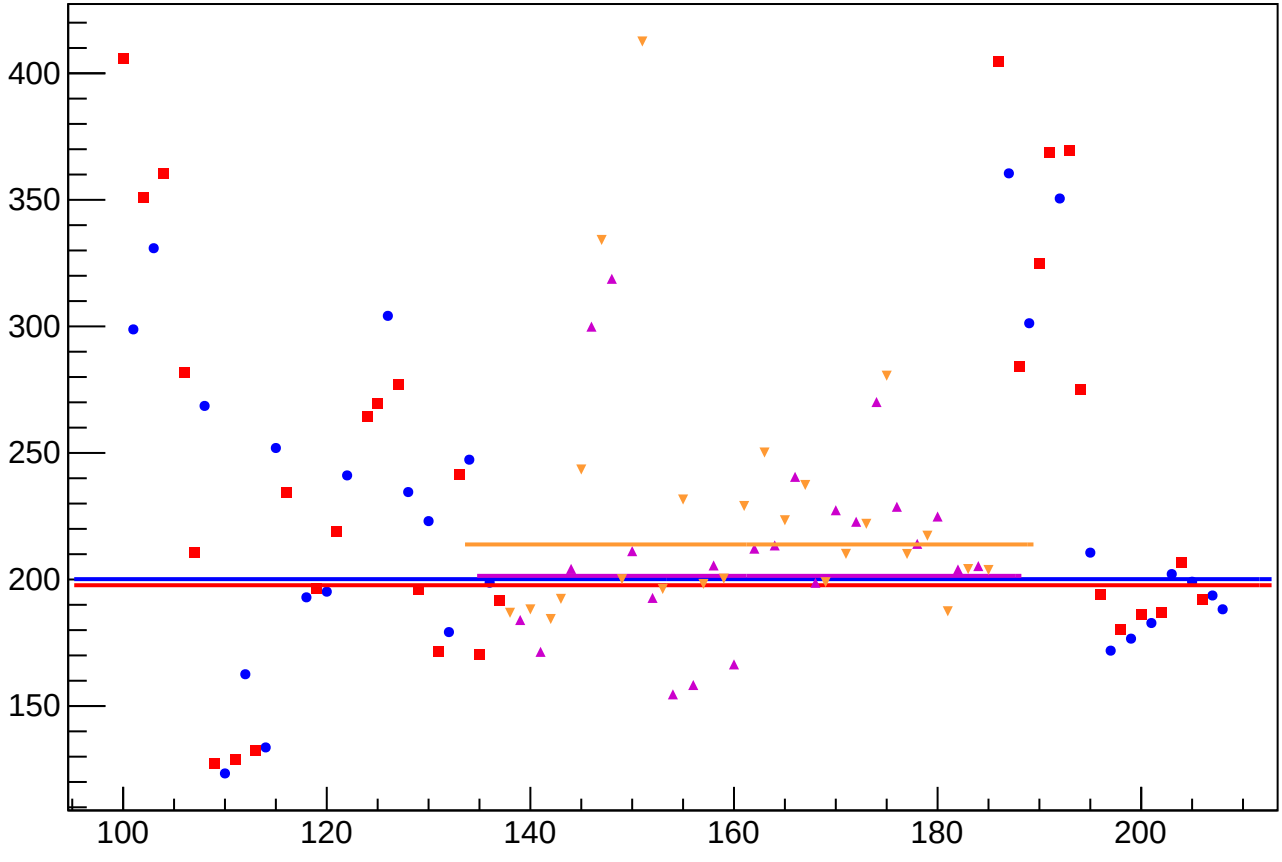
Right: -60.620+/-36.795 χ^2/NDF: 19953.8/57

In: 452.358+/-35.608 χ^2/NDF:10352.0/49

Out: 146.415+/-35.844 χ^2/NDF:13011.6/55

All: 300.400+/-25.262 χ^2/NDF: 23400.3/105

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.140+/-0.037 χ^2/NDF: 1610619.4/26

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.734+/-0.037 χ^2/NDF: 2638881.6/30

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

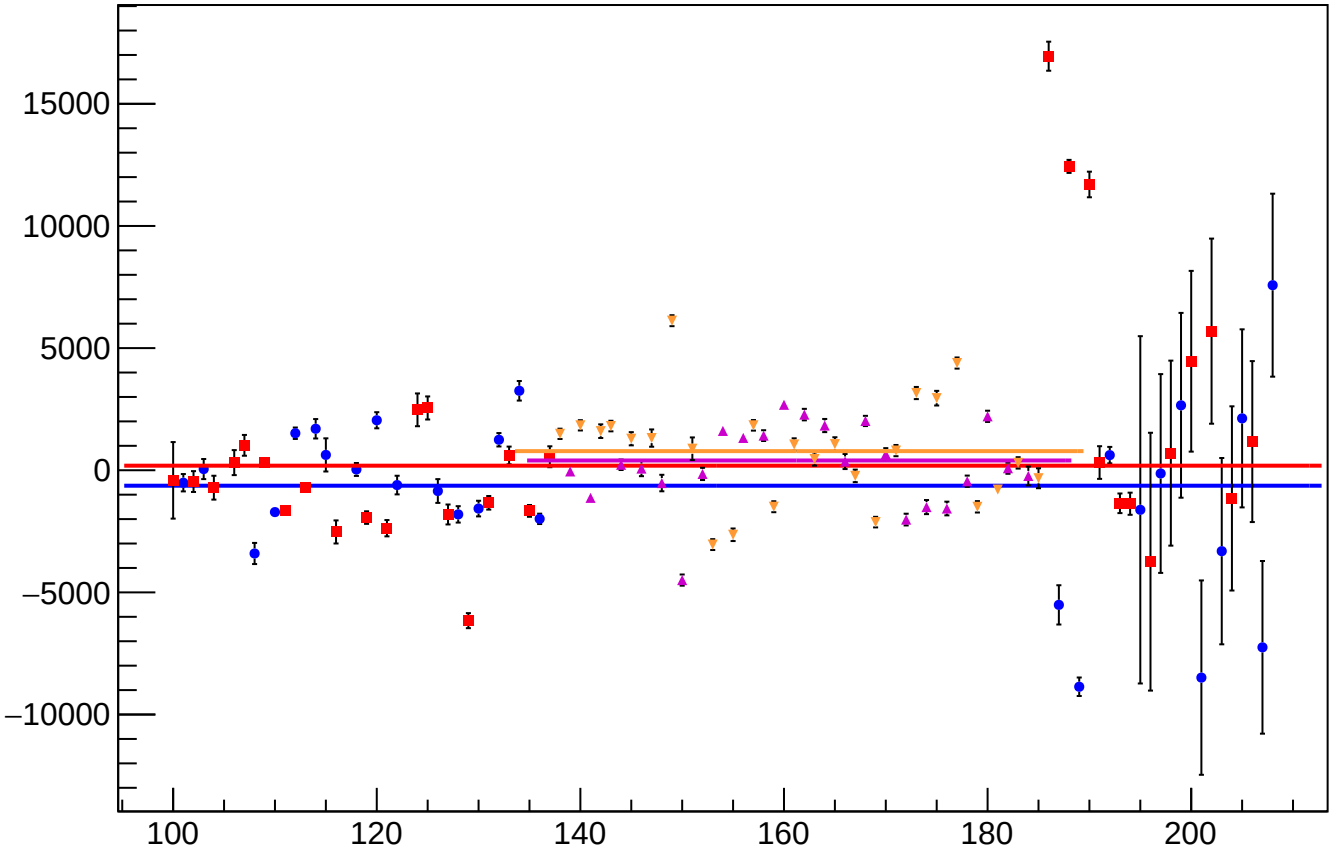
Right: 198.921+/-0.026 χ^2/NDF: 4251639.1/57

In: 200.843+/-0.025 χ^2/NDF:2673259.4/49

Out: 206.096+/-0.025 χ^2/NDF:3703369.1/55

All: 203.452+/-0.018 χ^2/NDF: 6398246.2/105

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -633.171+/-73.962 χ^2/NDF: 1006.5/26

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 186.620+/-65.423 χ^2/NDF: 4276.2/30

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

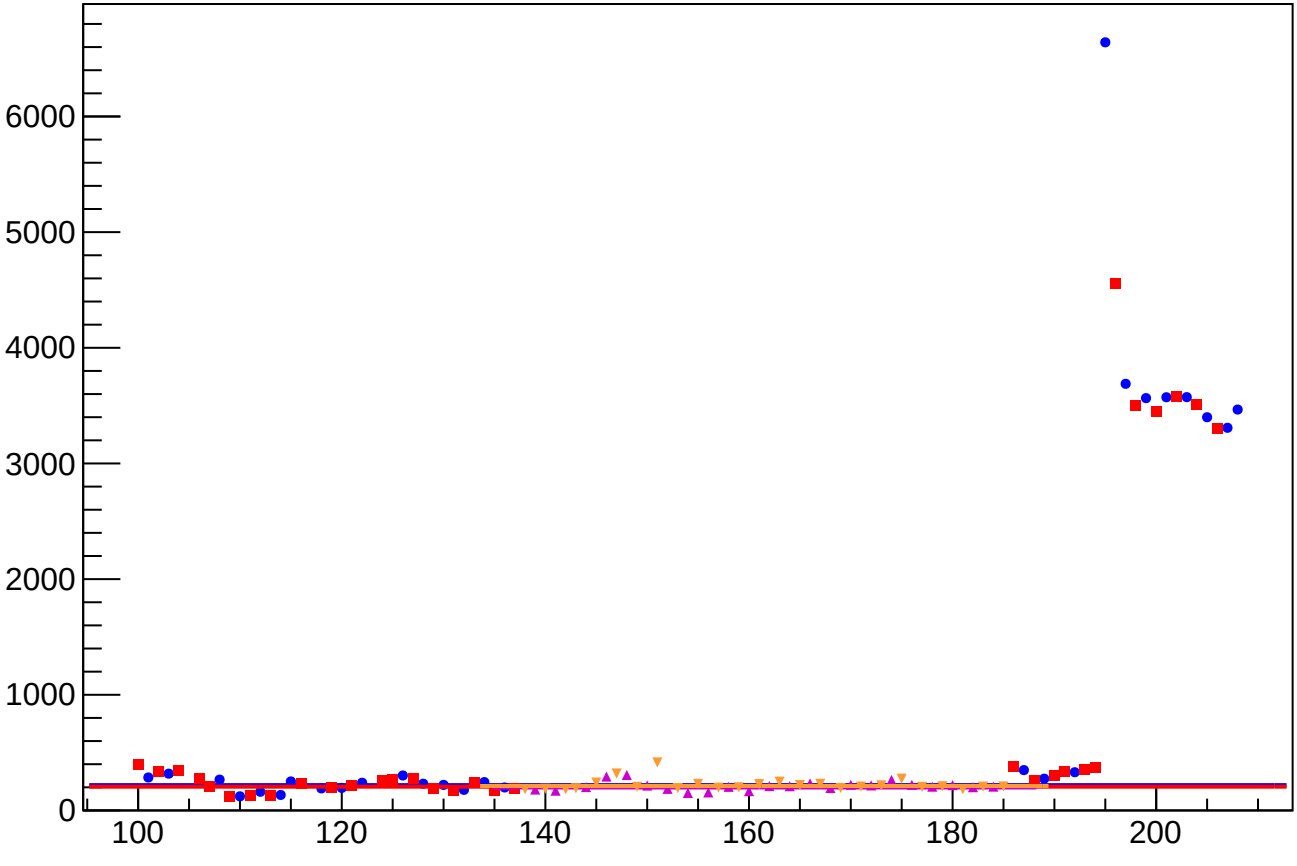
Right: -173.241+/-49.004 χ^2/NDF: 5351.6/57

In: 95.300+/-40.157 χ^2/NDF:2376.1/49

Out: 567.176+/-39.321 χ^2/NDF:6330.4/55

All: 336.199+/-28.095 χ^2/NDF: 8777.0/105

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 218.975+/-0.052 χ^2/NDF: 13537238.1/26

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 205.424+/-0.046 χ^2/NDF: 11908066.2/30

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

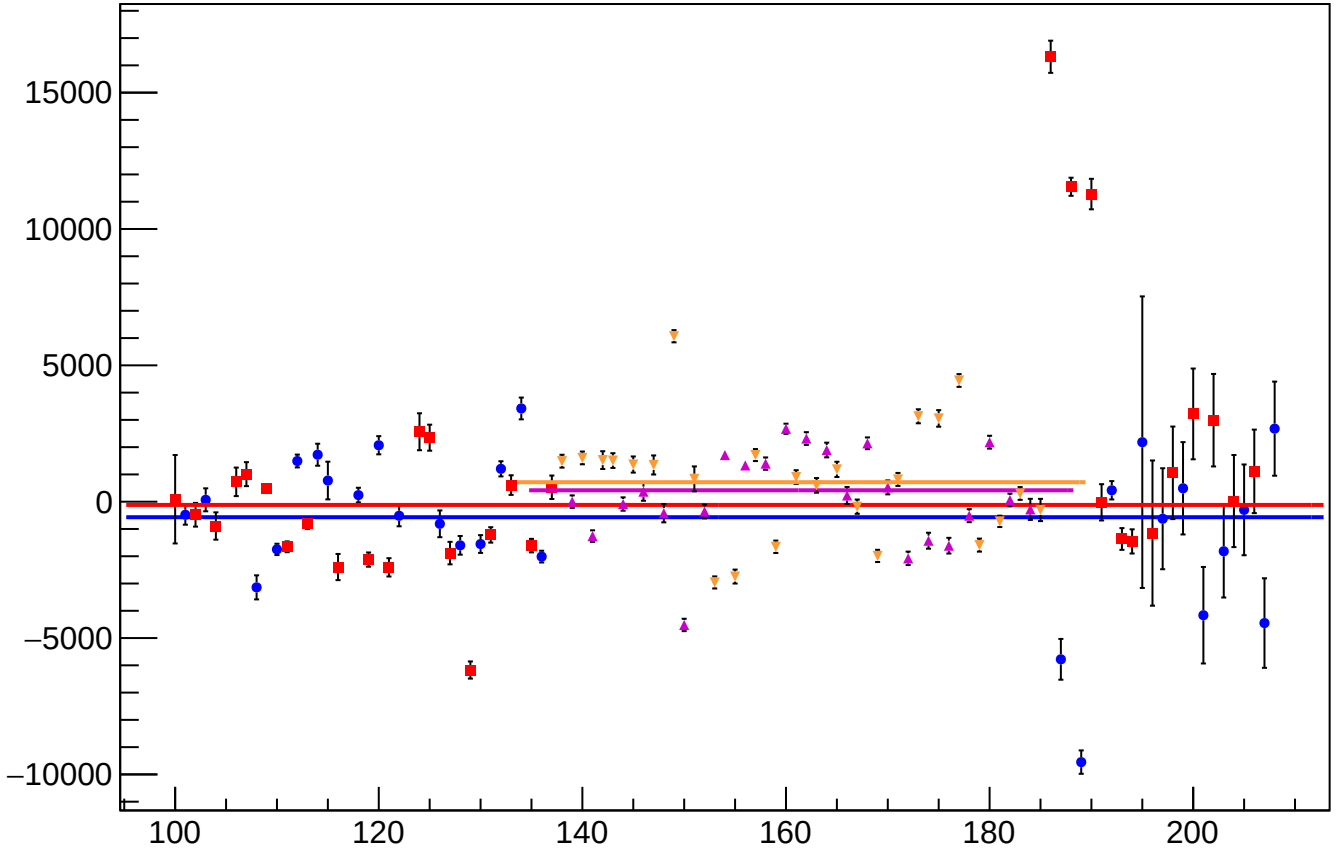
Right: 211.372+/-0.035 χ^2/NDF: 25482967.3/57

In: 204.553+/-0.028 χ^2/NDF:14651523.3/49

Out: 209.302+/-0.028 χ^2/NDF:12854047.8/55

All: 206.978+/-0.020 χ^2/NDF: 27519854.5/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -568.737+/-74.785 χ^2/NDF: 967.5/26

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -118.114+/-67.016 χ^2/NDF: 3167.2/30

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

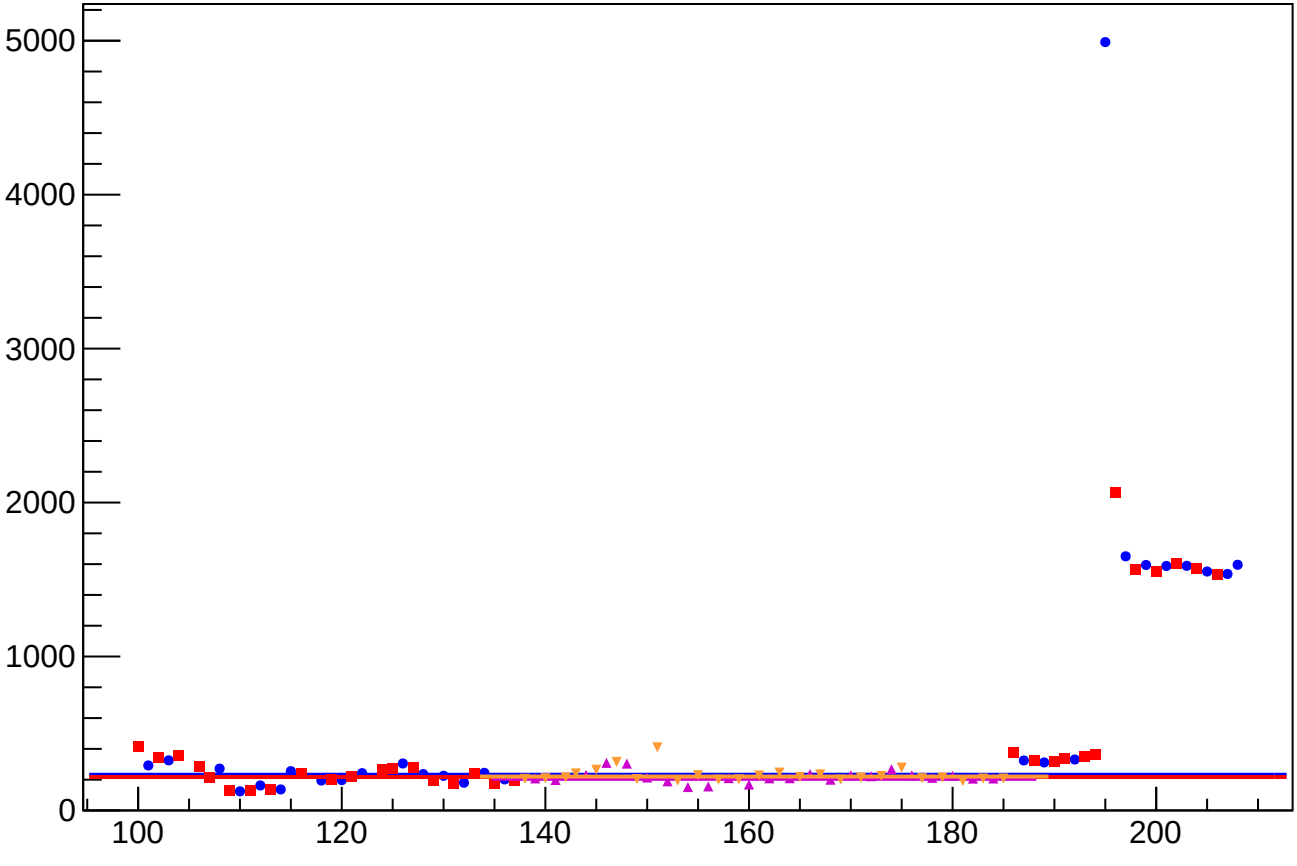
Right: -318.810+/-49.909 χ^2/NDF: 4154.8/57

In: 117.601+/-41.291 χ^2/NDF:2329.6/49

Out: 409.032+/-40.640 χ^2/NDF:5183.0/55

All: 265.632+/-28.964 χ^2/NDF: 7538.0/105

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 231.984+/-0.053 χ^2/NDF: 11770907.9/26

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 217.238+/-0.047 χ^2/NDF: 10362795.0/30

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

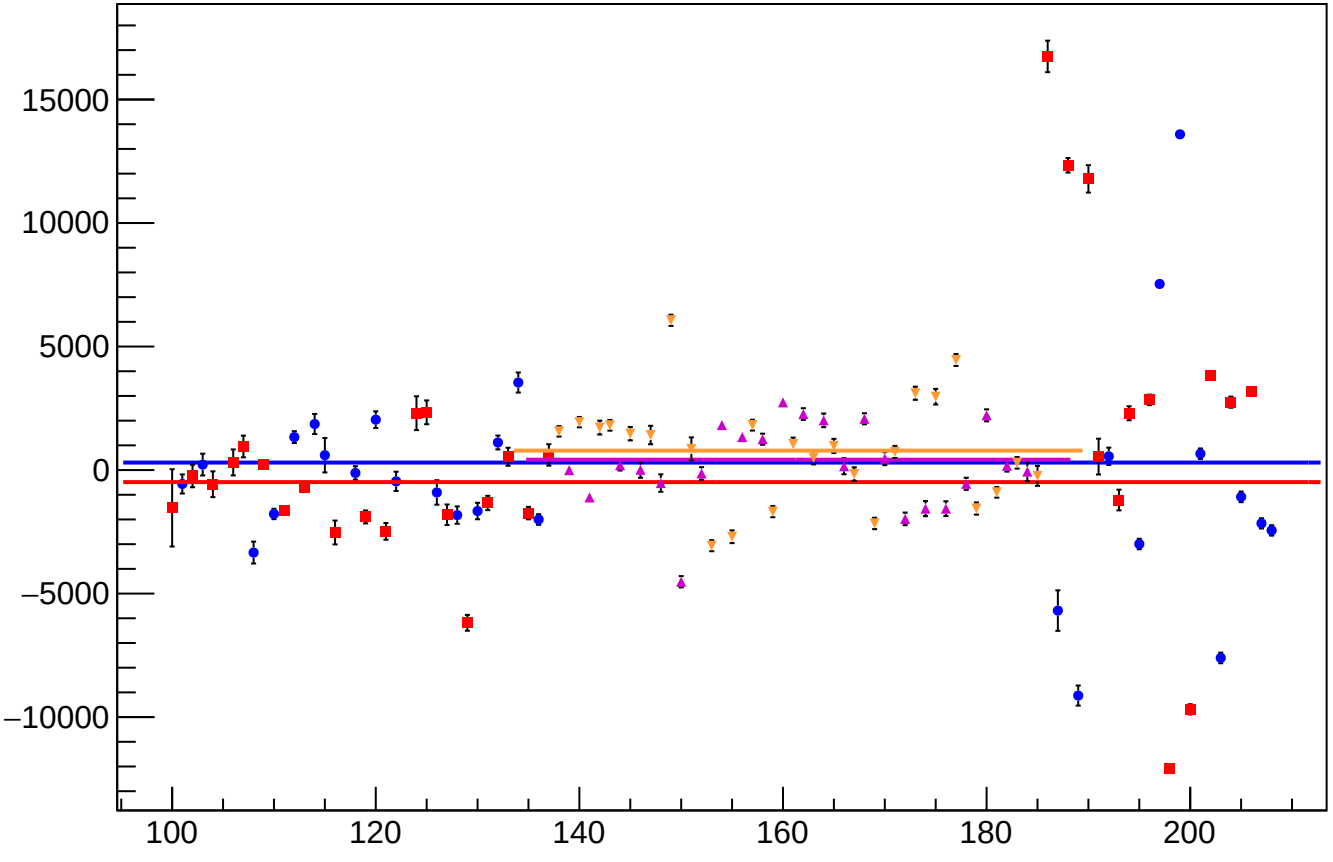
Right: 223.806+/-0.035 χ^2/NDF: 22176824.9/57

In: 213.560+/-0.029 χ^2/NDF:12959473.5/49

Out: 219.076+/-0.029 χ^2/NDF:11164872.9/55

All: 216.362+/-0.020 χ^2/NDF: 24142473.9/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 303.435+/-52.937 χ^2/NDF: 9111.3/26

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -487.823+/-52.480 χ^2/NDF: 10280.8/30

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

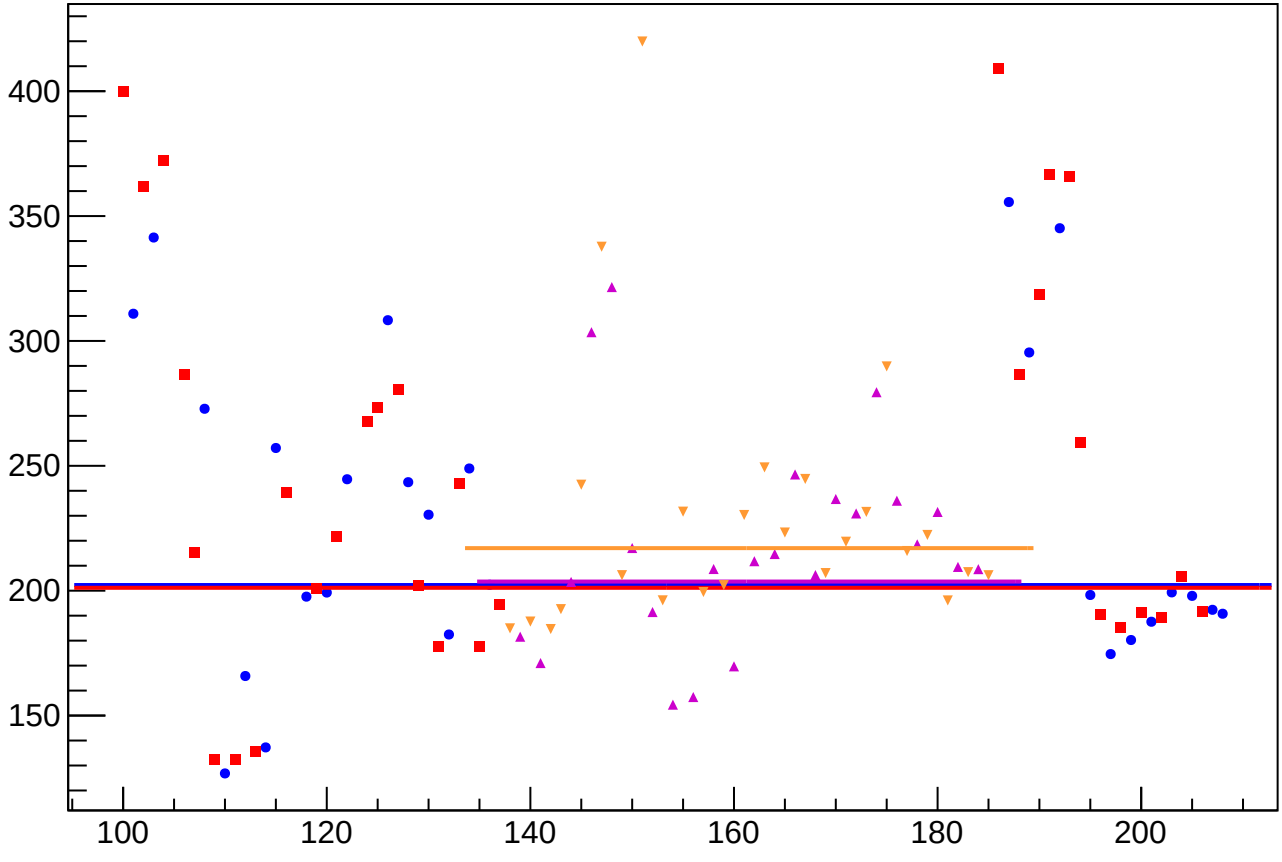
Right: -95.622+/-37.270 χ^2/NDF: 19504.8/57

In: 365.402+/-36.019 χ^2/NDF:10324.8/49

Out: 173.754+/-36.398 χ^2/NDF:12524.6/55

All: 270.580+/-25.602 χ^2/NDF: 22863.4/105

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 202.266+/-0.037 χ^2/NDF: 1560153.1/26

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.158+/-0.037 χ^2/NDF: 2481802.9/30

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

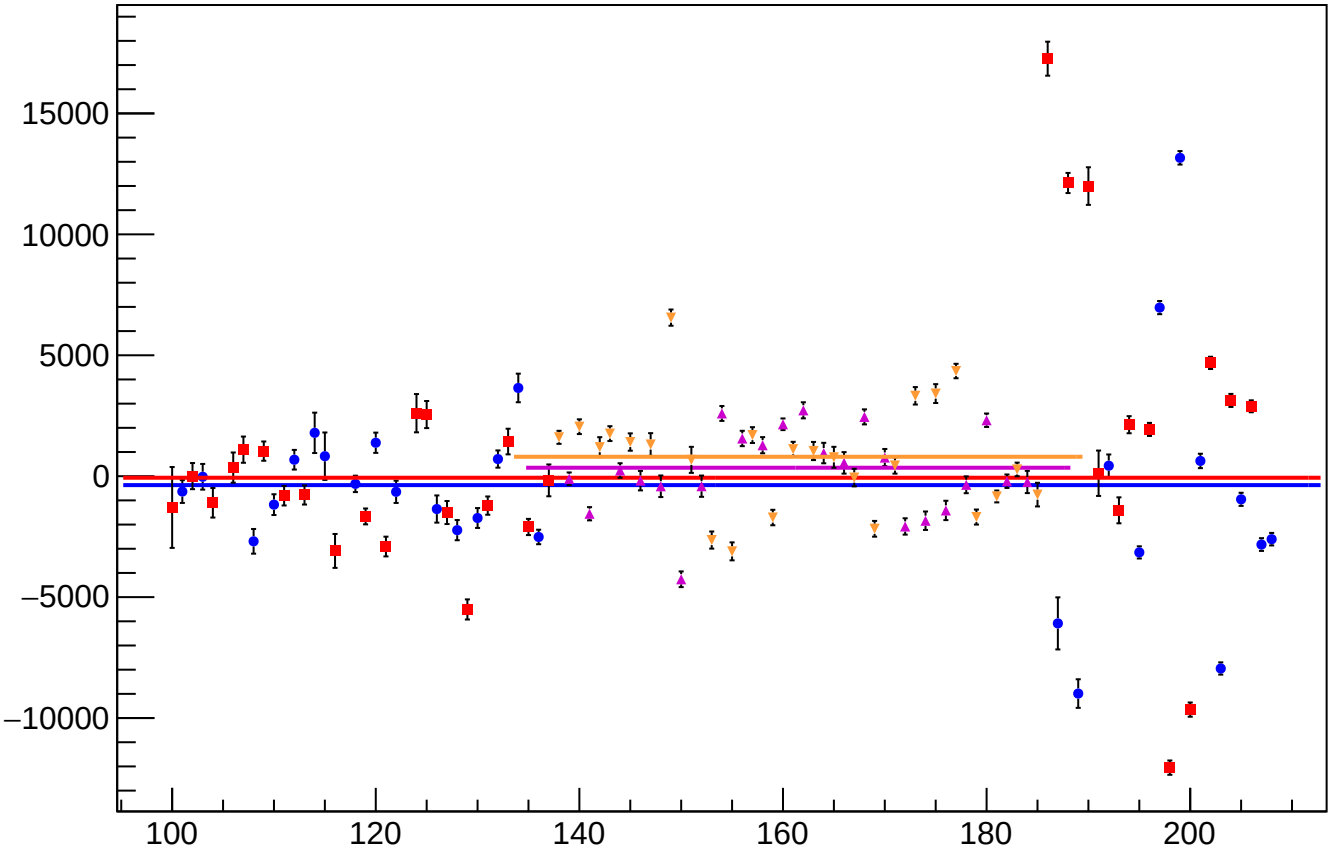
Right: 201.707+/-0.026 χ^2/NDF: 4042397.8/57

In: 203.015+/-0.025 χ^2/NDF:2726232.8/49

Out: 209.401+/-0.026 χ^2/NDF:3560032.6/55

All: 206.174+/-0.018 χ^2/NDF: 6317369.5/105

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -368.431+/-70.392 χ^2/NDF: 4717.7/26

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -63.352+/-72.566 χ^2/NDF: 5525.1/30

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

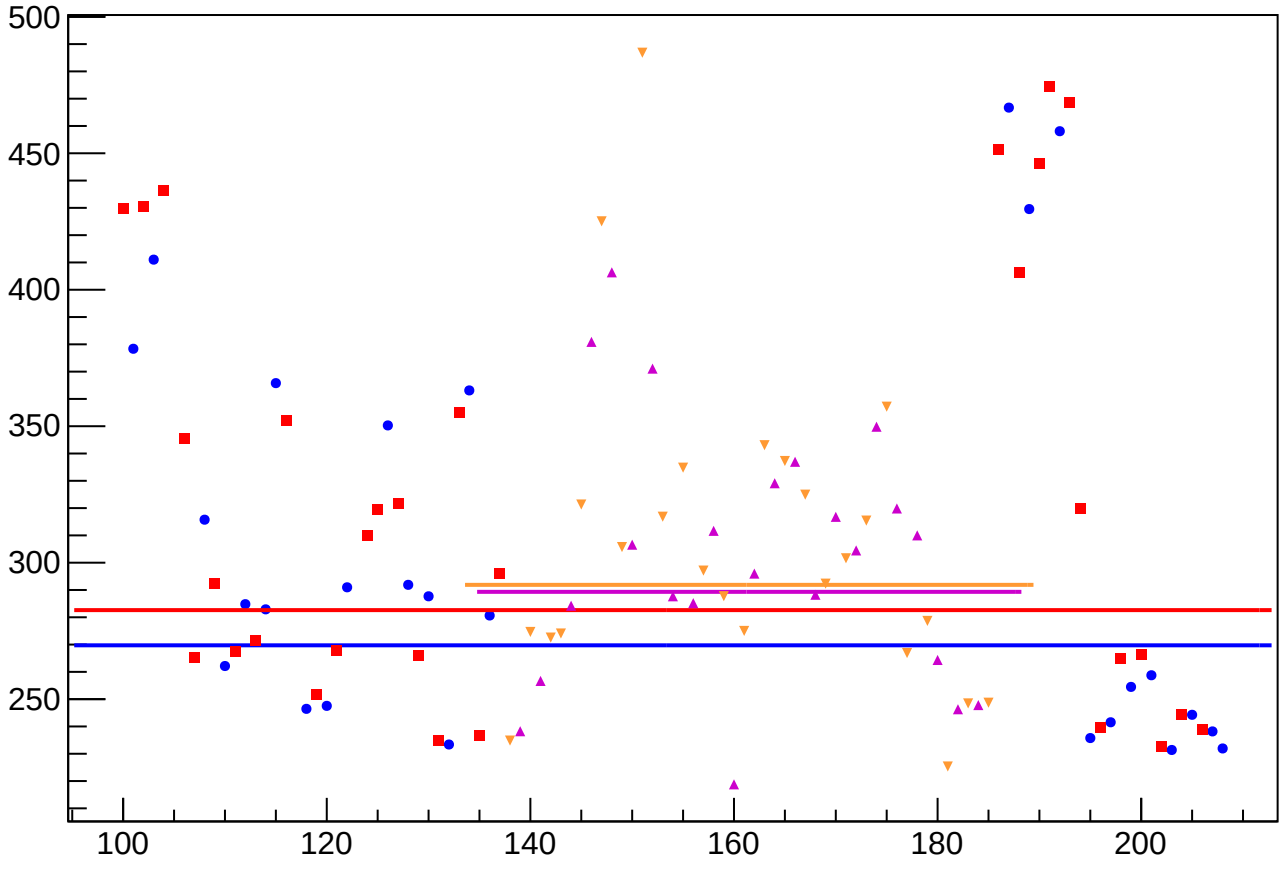
Right: -220.530+/-50.526 χ^2/NDF: 10251.9/57

In: -1.915+/-49.269 χ^2/NDF:5427.0/49

Out: 400.288+/-49.499 χ^2/NDF:6659.1/55

All: 198.251+/-34.920 χ^2/NDF: 12119.3/105

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 269.728+/-0.050 χ^2/NDF: 1172222.4/26

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 282.624+/-0.051 χ^2/NDF: 1466547.3/30

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

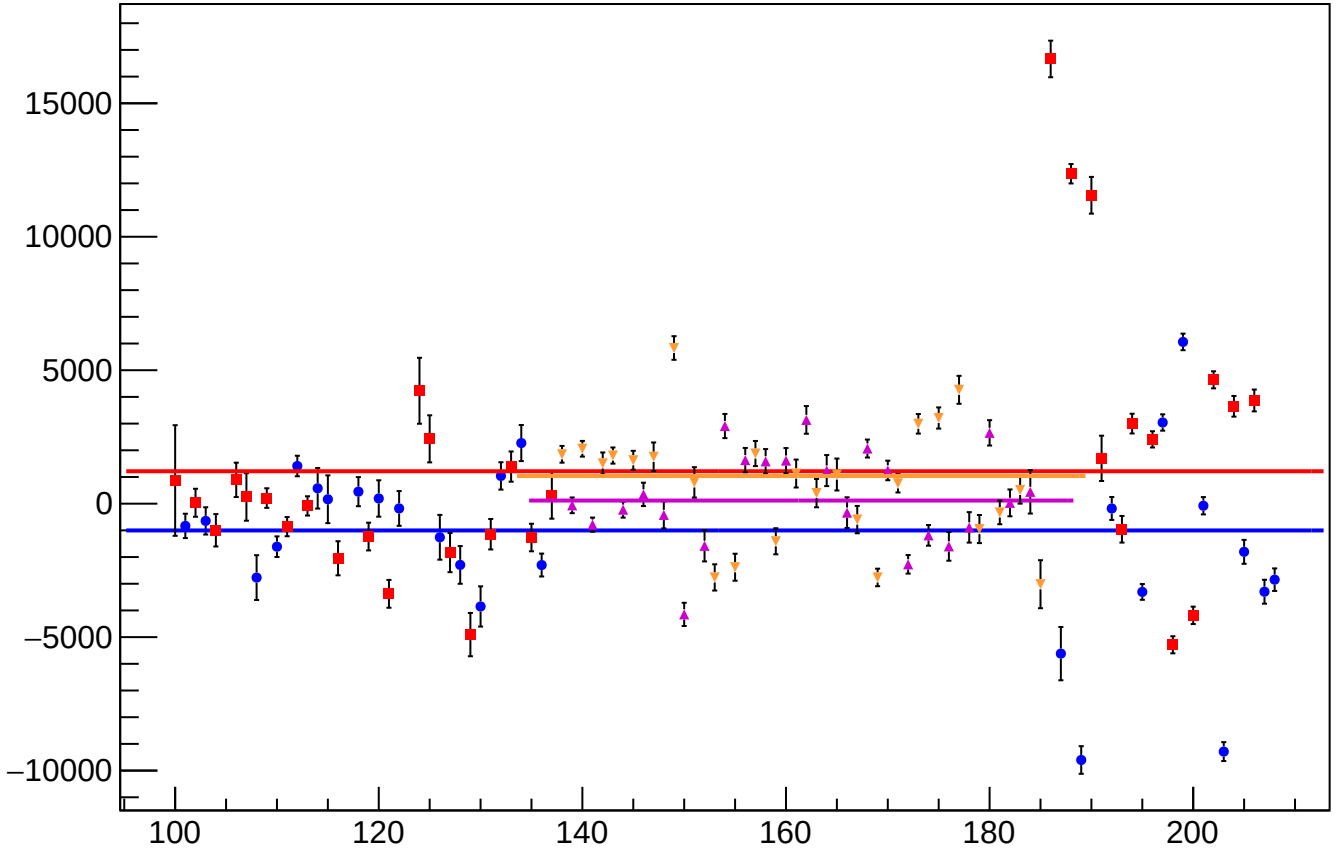
Right: 275.980+/-0.036 χ^2/NDF: 2671310.1/57

In: 279.722+/-0.035 χ^2/NDF:2059861.7/49

Out: 287.574+/-0.035 χ^2/NDF:2443874.6/55

All: 283.630+/-0.025 χ^2/NDF: 4529016.2/105

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1003.243+/-88.852 χ^2/NDF: 1788.0/26

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1214.609+/-85.623 χ^2/NDF: 2936.6/30

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

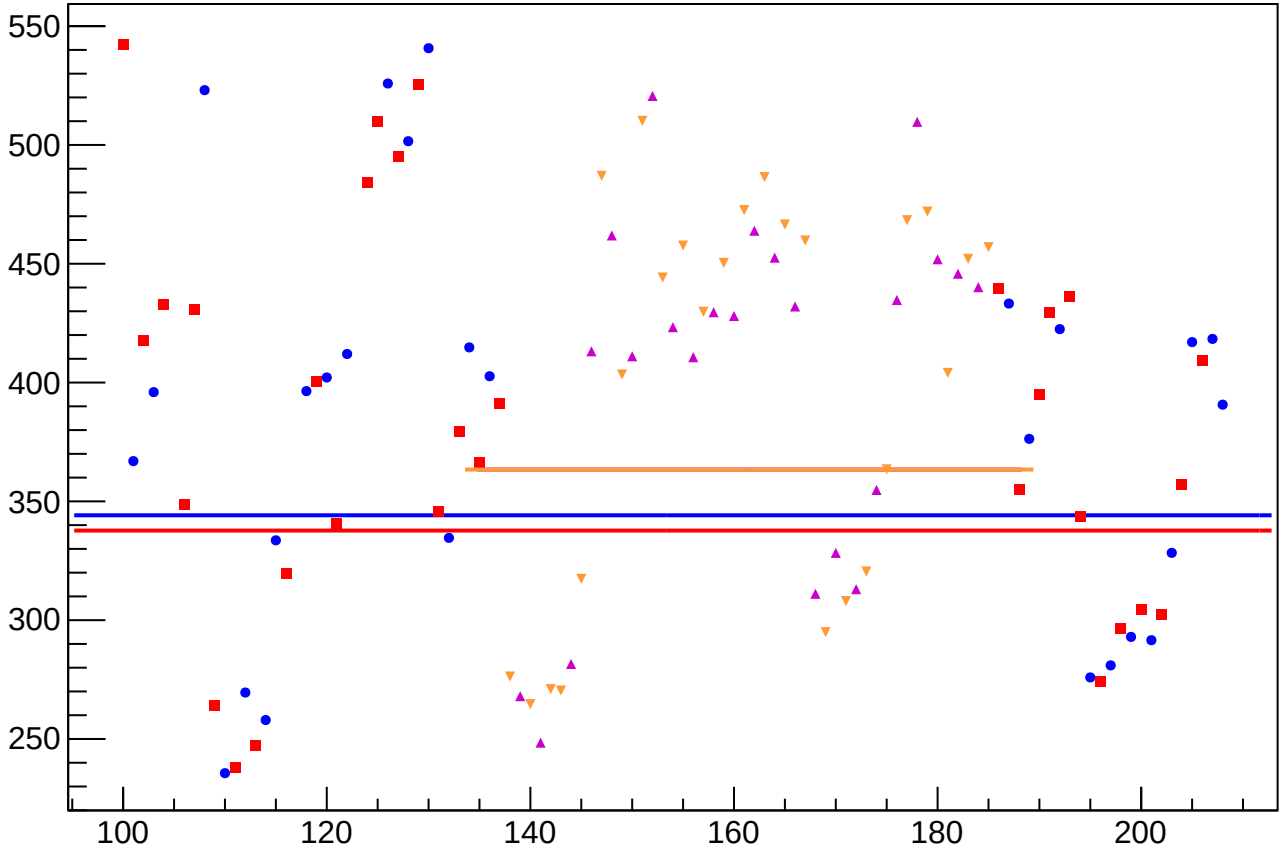
Right: 146.720+/-61.655 χ^2/NDF: 5047.6/57

In: -434.175+/-62.330 χ^2/NDF:2239.1/49

Out: 1125.531+/-60.395 χ^2/NDF:3508.9/55

All: 370.275+/-43.374 χ^2/NDF: 6071.0/105

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 344.147+/-0.063 χ^2/NDF: 1344096.0/26

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 337.714+/-0.061 χ^2/NDF: 1253042.7/30

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

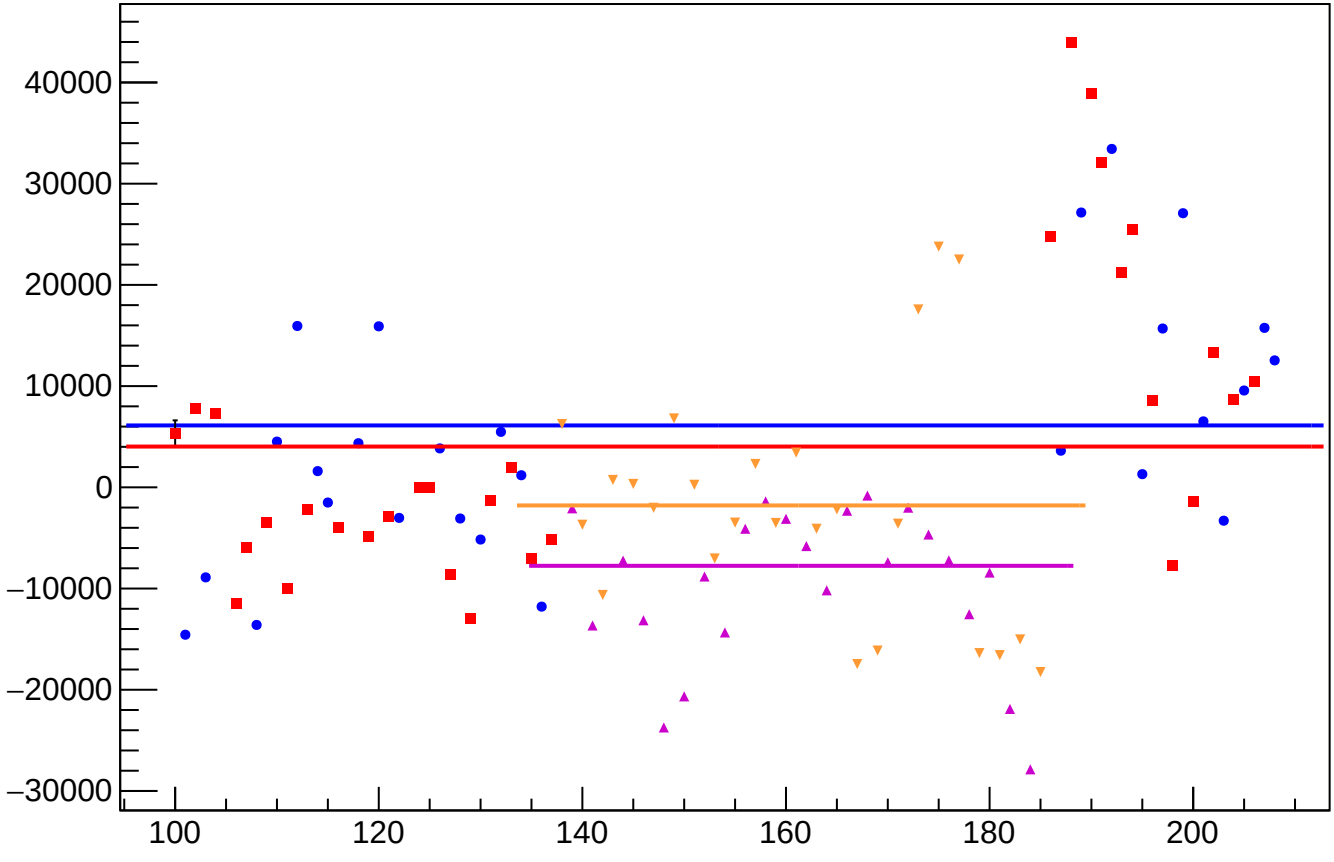
Right: 340.811+/-0.044 χ^2/NDF: 2602574.7/57

In: 353.918+/-0.044 χ^2/NDF:3103322.5/49

Out: 350.614+/-0.043 χ^2/NDF:3283890.5/55

All: 352.214+/-0.031 χ^2/NDF: 6390112.2/105

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4027.617+/-39.615 χ^2/NDF: 137269.9/30

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

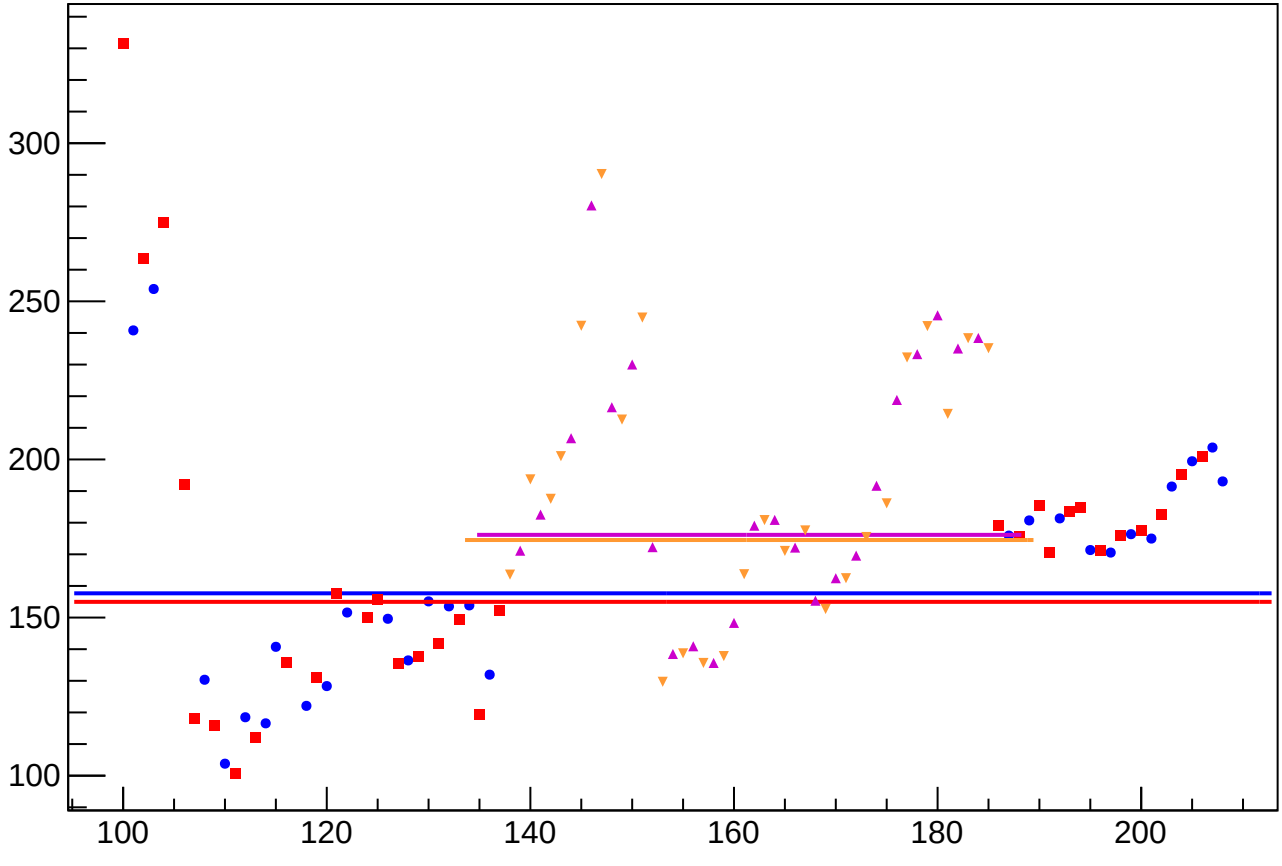
Right: 5035.704+/-28.483 χ^2/NDF: 232160.7/57

In: -556.329+/-29.525 χ^2/NDF:171913.7/49

Out: 1212.186+/-28.459 χ^2/NDF:213453.1/55

All: 360.421+/-20.490 χ^2/NDF: 387226.6/105

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

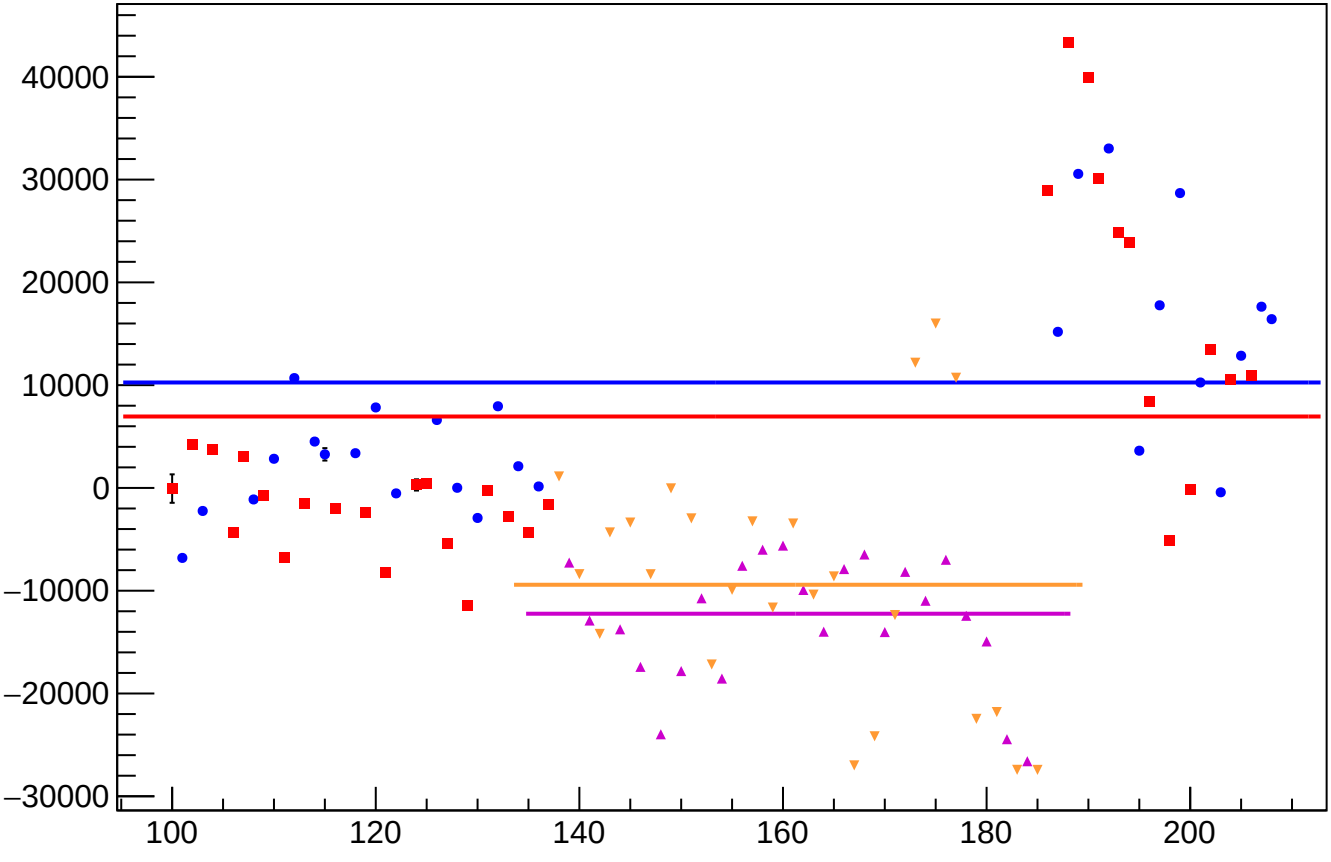
Right: 156.272+/-0.020 χ^2/NDF: 2906513.9/57

In: 166.559+/-0.021 χ^2/NDF:2853795.6/49

Out: 164.430+/-0.020 χ^2/NDF:3506284.5/55

All: 165.456+/-0.014 χ^2/NDF: 6365473.0/105

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10259.986+/-45.655 χ^2/NDF: 53859.4/26

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6950.226+/-44.320 χ^2/NDF: 105809.8/30

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

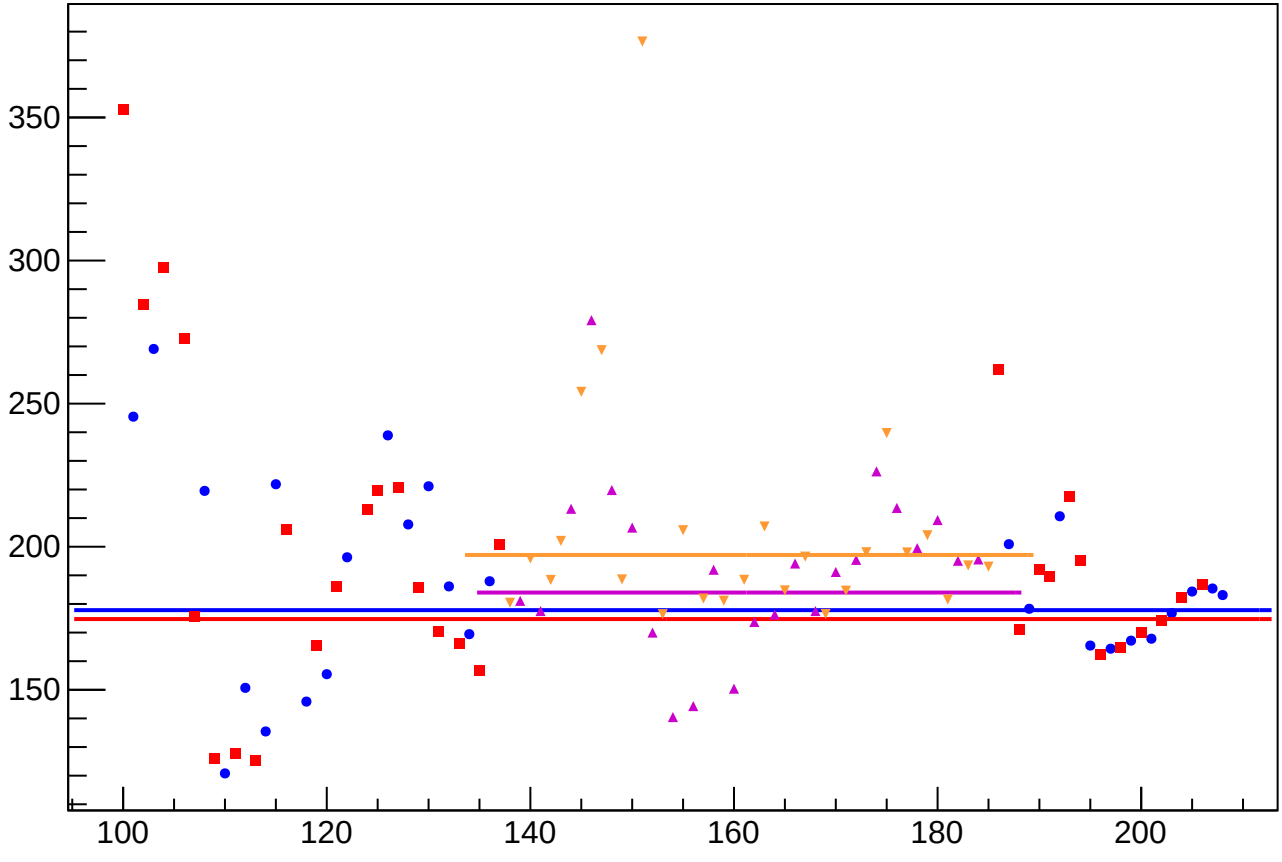
Right: 8556.013+/-31.801 χ^2/NDF: 162374.9/57

In: -1354.844+/-31.754 χ^2/NDF:195244.6/49

Out: -984.488+/-31.815 χ^2/NDF:236657.1/55

All: -1170.020+/-22.475 χ^2/NDF: 431969.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

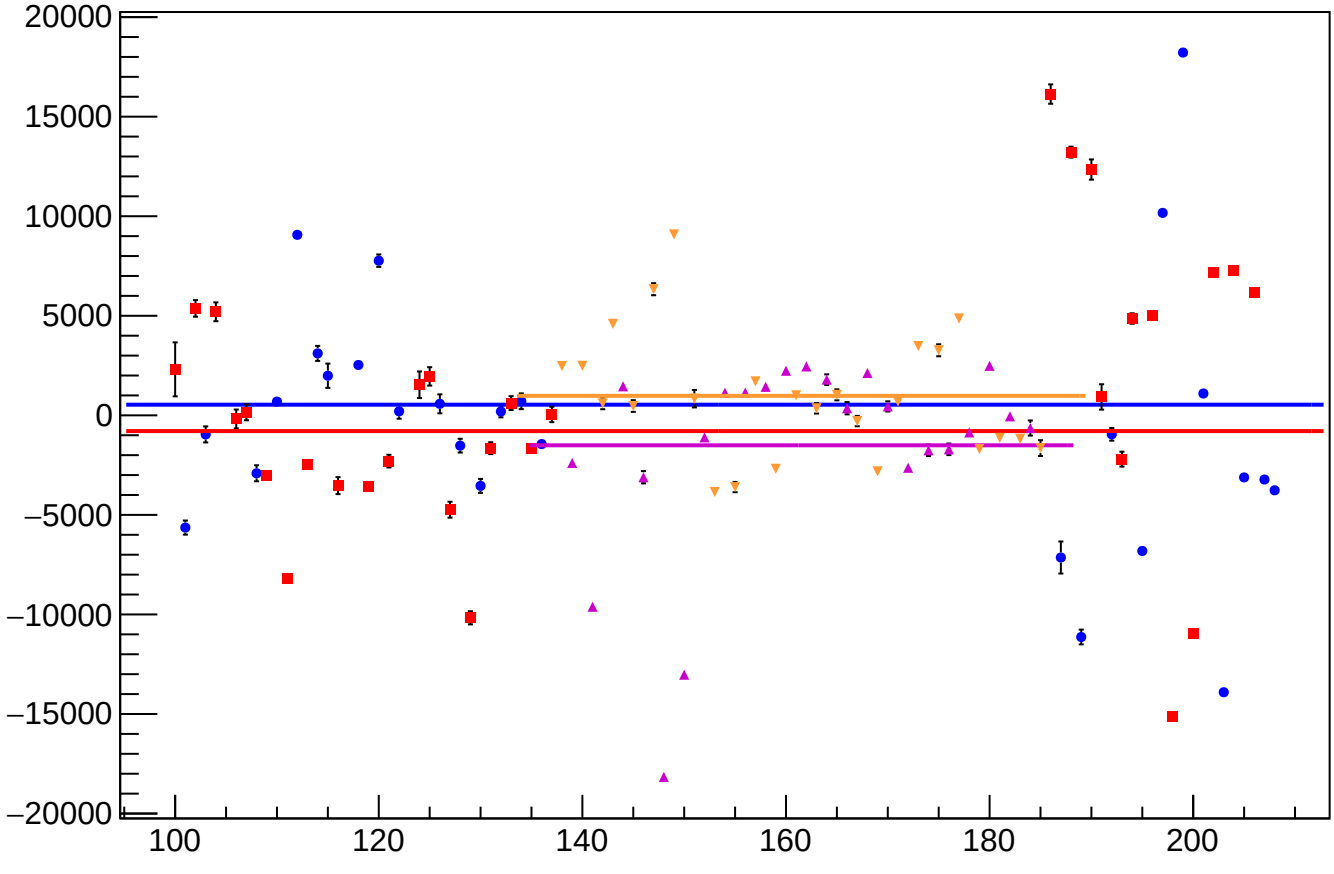
Right: 176.233+/-0.022 χ^2/NDF: 1978166.6/57

In: 181.011+/-0.022 χ^2/NDF:1615715.6/49

Out: 185.579+/-0.022 χ^2/NDF:2186321.2/55

All: 183.291+/-0.016 χ^2/NDF: 3822692.7/105

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -791.403+/-50.150 χ^2/NDF: 20901.1/30

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

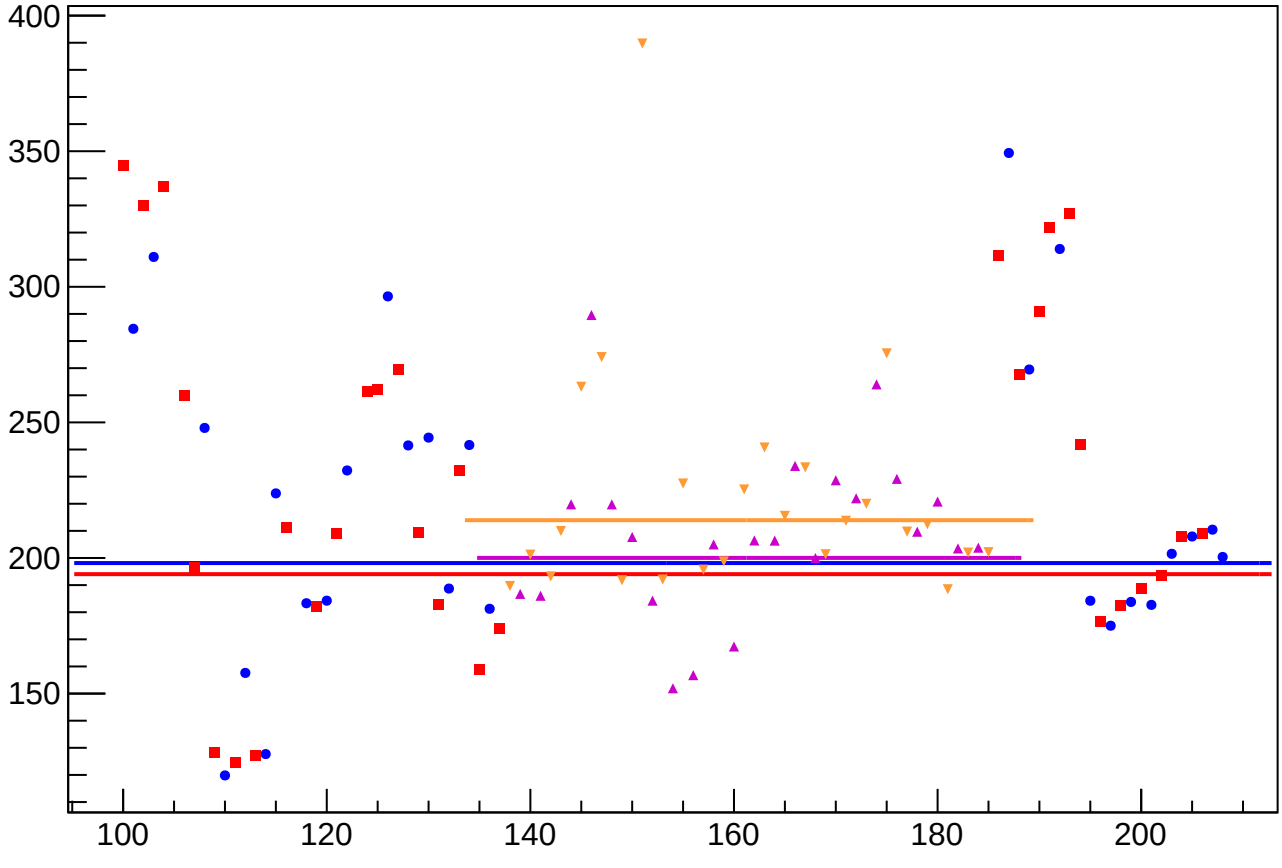
Right: -144.659+/-35.896 χ^2/NDF: 42698.7/57

In: -553.819+/-35.102 χ^2/NDF:33777.6/49

Out: 103.154+/-35.268 χ^2/NDF:25853.5/55

All: -226.881+/-24.879 χ^2/NDF: 59805.4/105

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

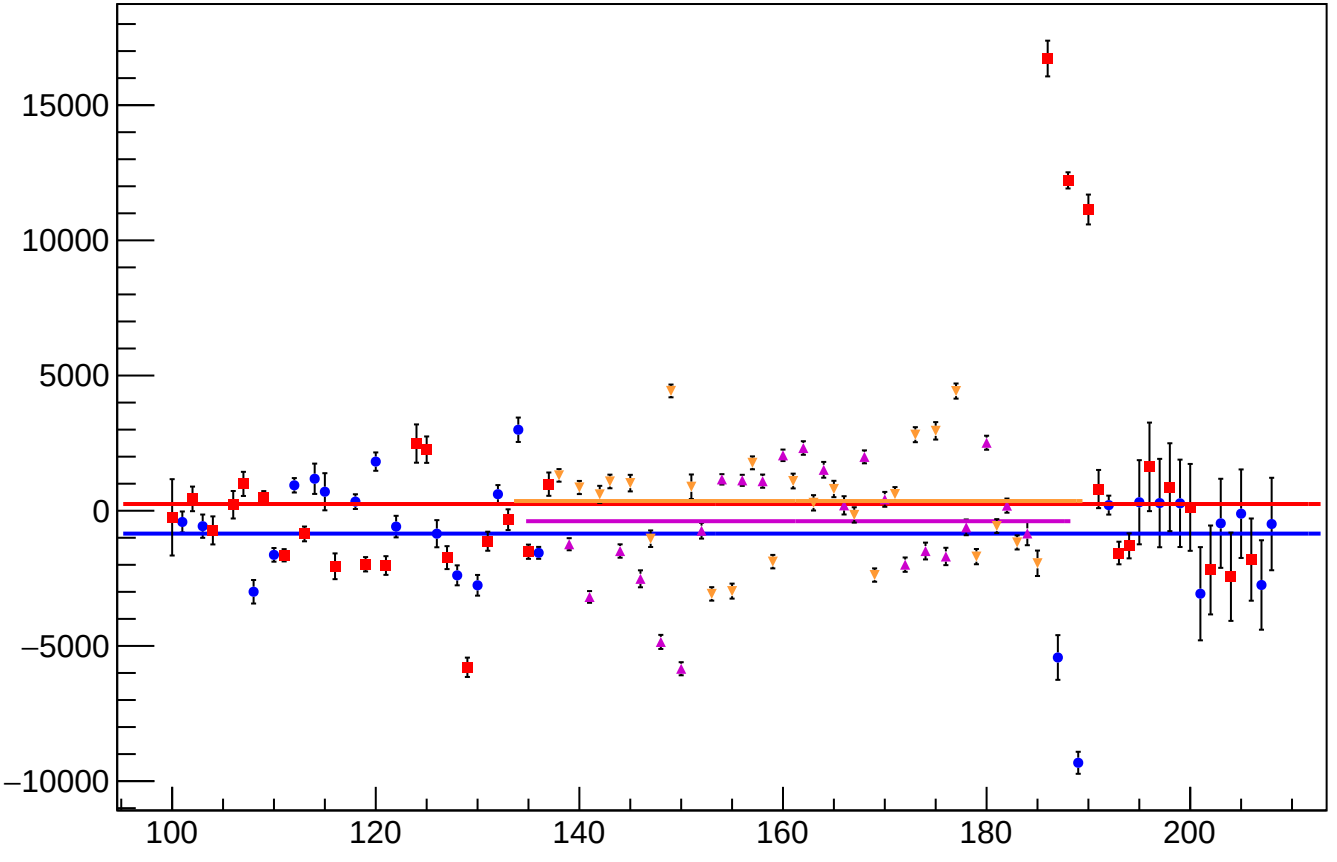
Right: 196.033+/-0.025 χ^2/NDF: 3712585.8/57

In: 199.145+/-0.025 χ^2/NDF:2238705.5/49

Out: 204.092+/-0.025 χ^2/NDF:3147097.4/55

All: 201.607+/-0.018 χ^2/NDF: 5405568.6/105

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 248.871+/-73.711 χ^2/NDF: 3275.7/30

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

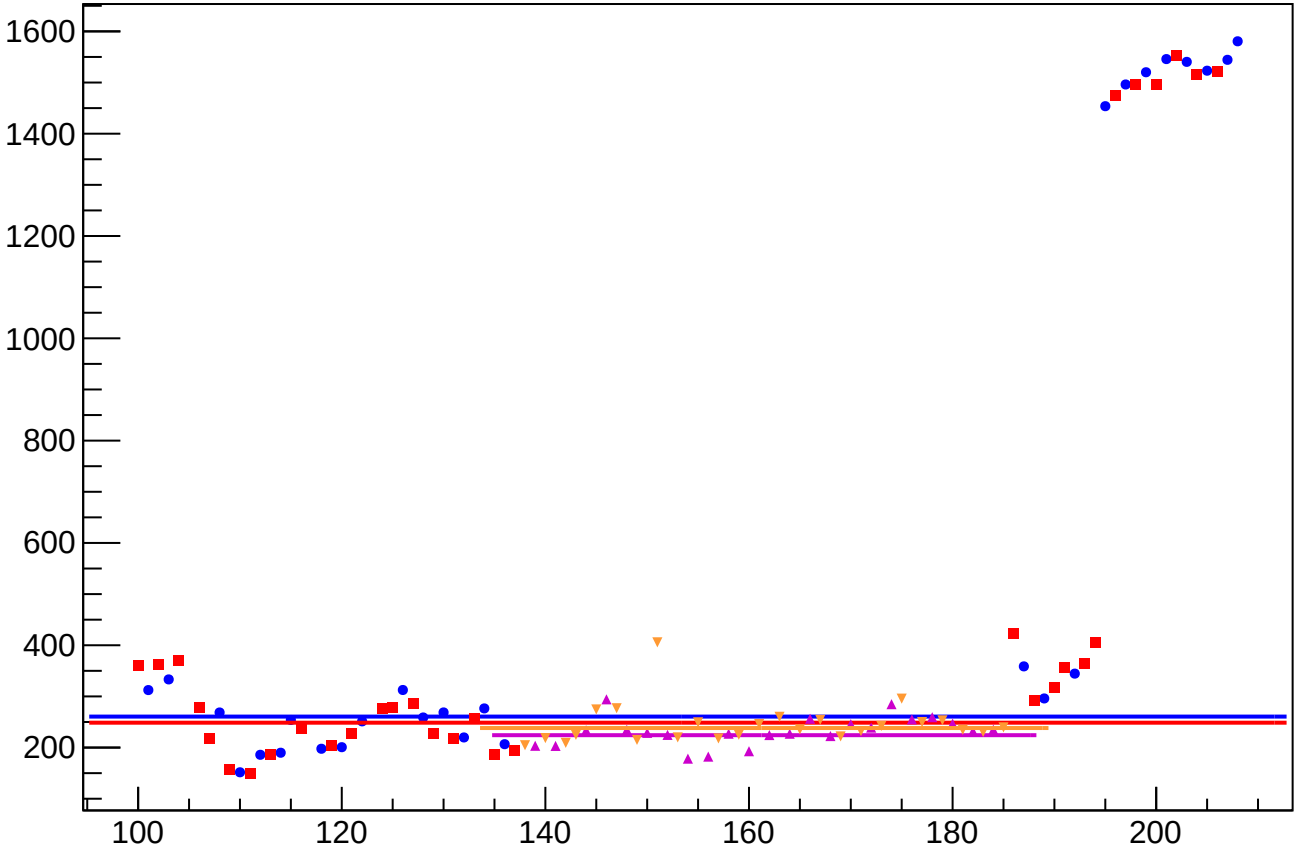
Right: -245.763+/-54.576 χ^2/NDF: 4176.4/57

In: -525.997+/-44.690 χ^2/NDF:2627.5/49

Out: 319.416+/-44.077 χ^2/NDF:4696.0/55

All: -97.445+/-31.382 χ^2/NDF: 7504.9/105

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

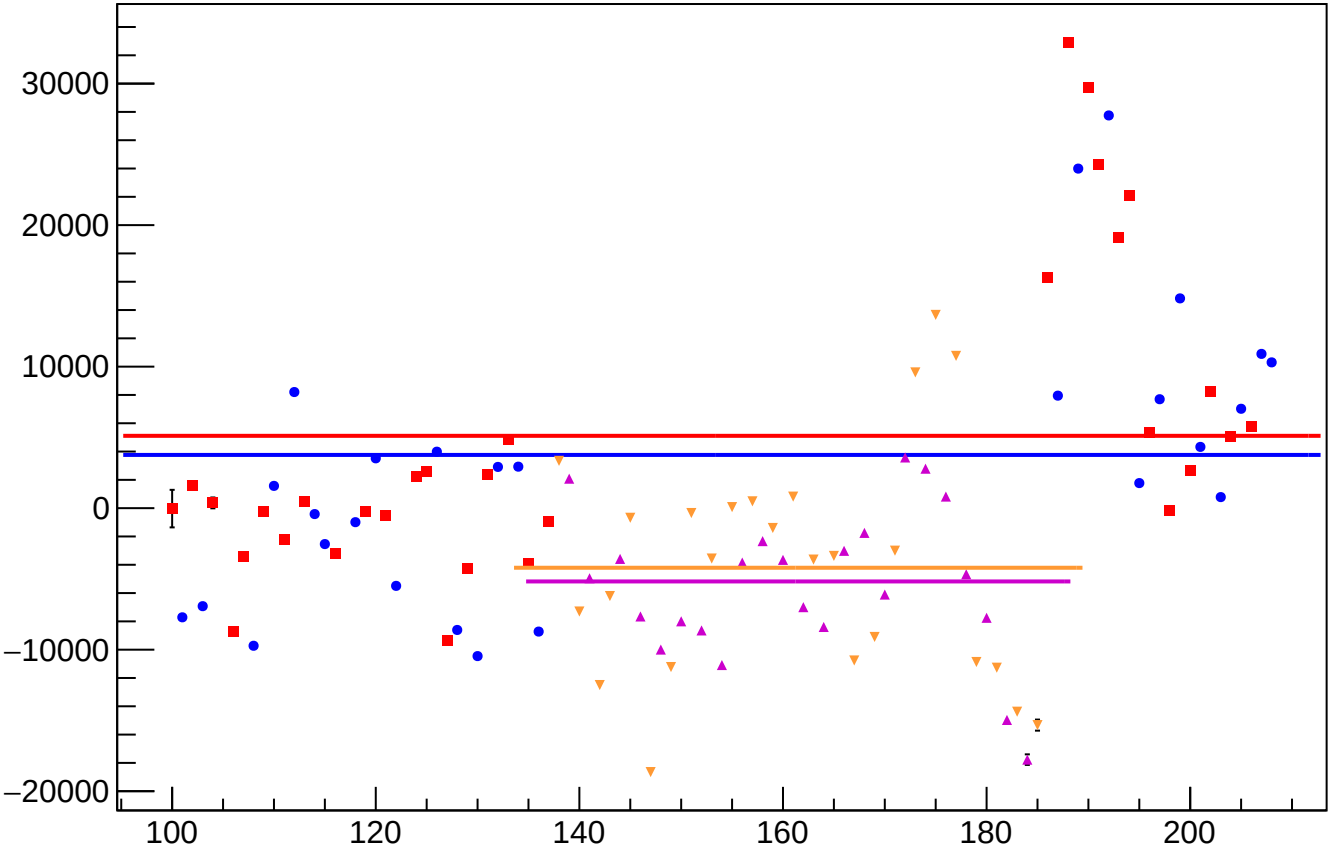
Right: 254.026+/-0.039 χ^2/NDF: 19984326.7/57

In: 235.227+/-0.032 χ^2/NDF:11436803.1/49

Out: 241.930+/-0.031 χ^2/NDF:9960266.5/55

All: 238.625+/-0.022 χ^2/NDF: 21419877.6/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5111.560+/-33.402 χ^2/NDF: 102903.5/30

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

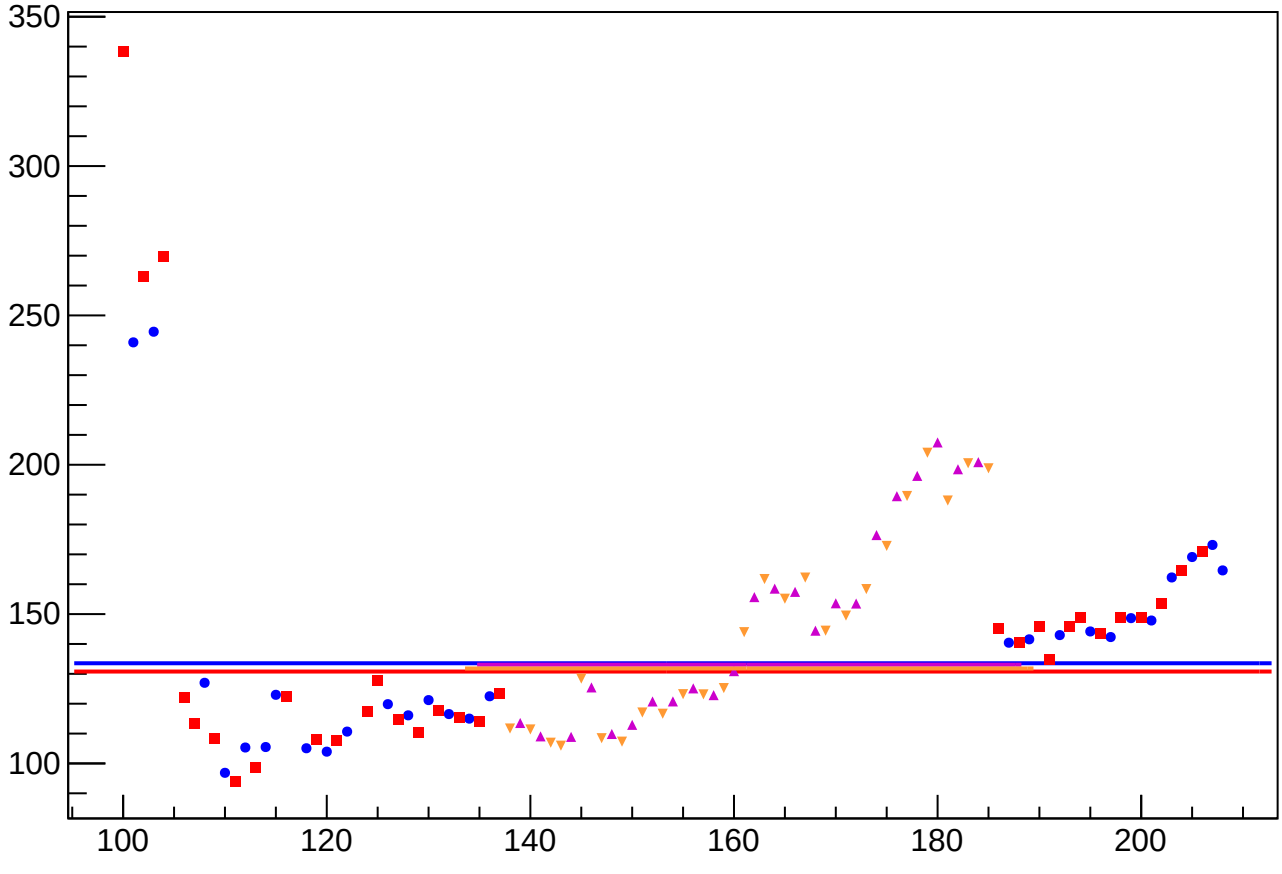
Right: 4464.131+/-24.094 χ^2/NDF: 183058.8/57

In: -1085.115+/-23.539 χ^2/NDF:133716.7/49

Out: 77.591+/-22.654 χ^2/NDF:201768.5/55

All: -481.484+/-16.323 χ^2/NDF: 336751.8/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

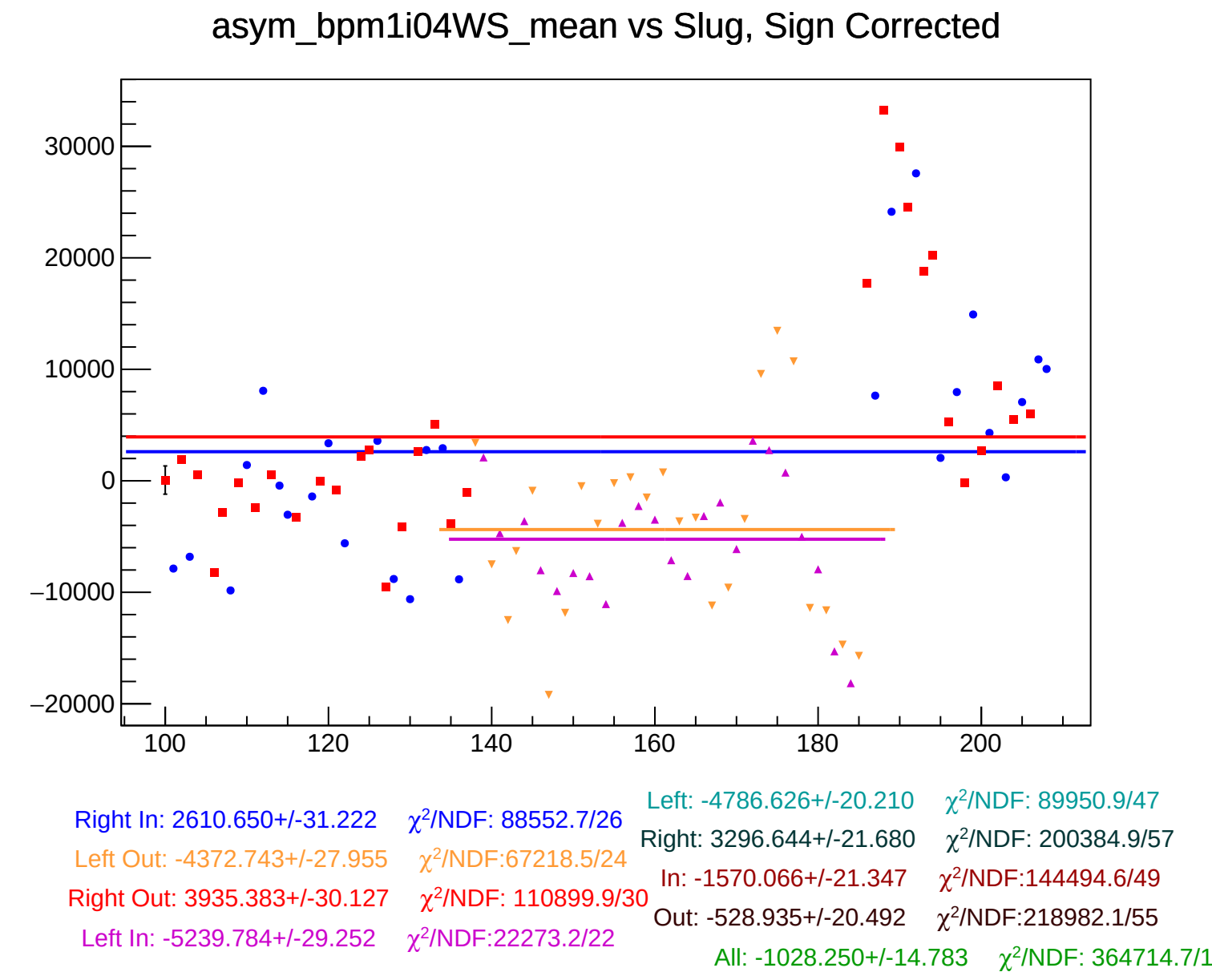
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 132.097+/-0.017 χ^2/NDF: 2737873.8/57

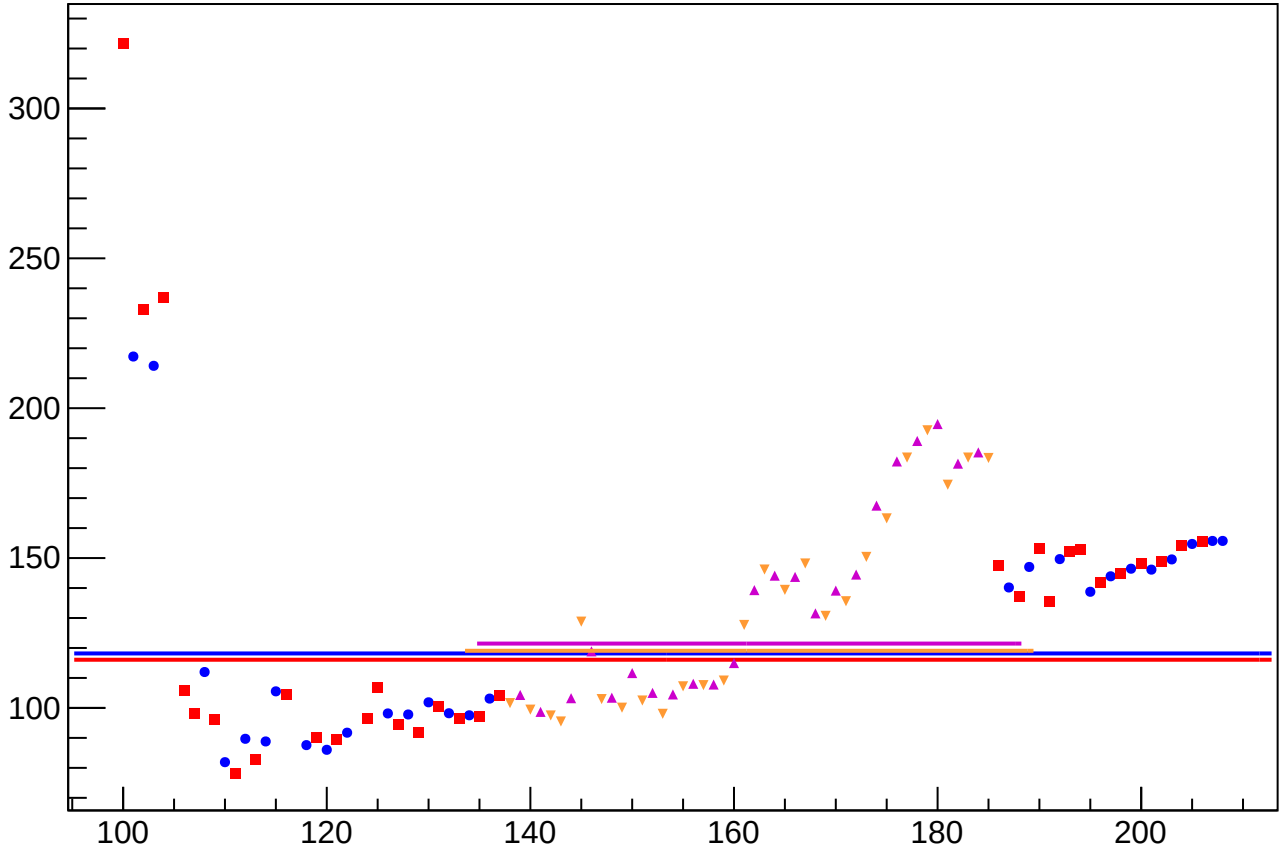
In: 133.281+/-0.017 χ^2/NDF:2703948.3/49

Out: 131.323+/-0.016 χ^2/NDF:2991135.6/55

All: 132.265+/-0.012 χ^2/NDF: 5702263.9/105


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 2610.650+/-31.222 χ²/NDF: 88552.7/26
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 3935.383+/-30.127 χ²/NDF: 110899.9/30
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 3296.644+/-21.680 χ²/NDF: 200384.9/57
In: -1570.066+/-21.347 χ²/NDF:144494.6/49
Out: -528.935+/-20.492 χ²/NDF:218982.1/55
All: -1028.250+/-14.783 χ²/NDF: 364714.7/1

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 118.175+/-0.022 χ^2/NDF: 1968514.5/26

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 116.074+/-0.021 χ^2/NDF: 2258322.8/30

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

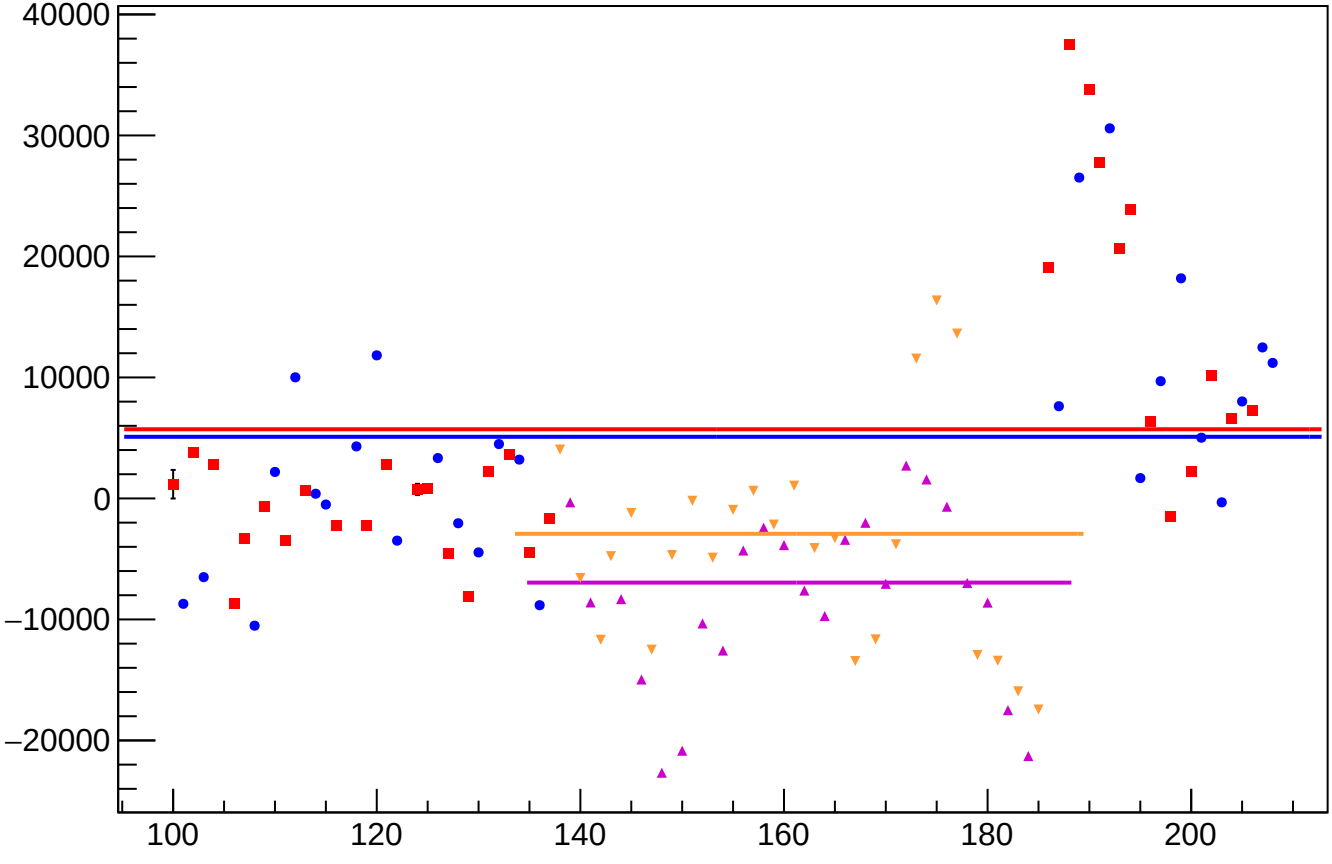
Right: 117.087+/-0.015 χ^2/NDF: 4231528.6/57

In: 119.929+/-0.015 χ^2/NDF:3509740.5/49

Out: 117.681+/-0.014 χ^2/NDF:4024339.2/55

All: 118.759+/-0.010 χ^2/NDF: 7545622.3/105

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5094.159+/-41.007 χ^2/NDF: 63256.1/26

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5716.725+/-39.628 χ^2/NDF: 92521.4/30

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

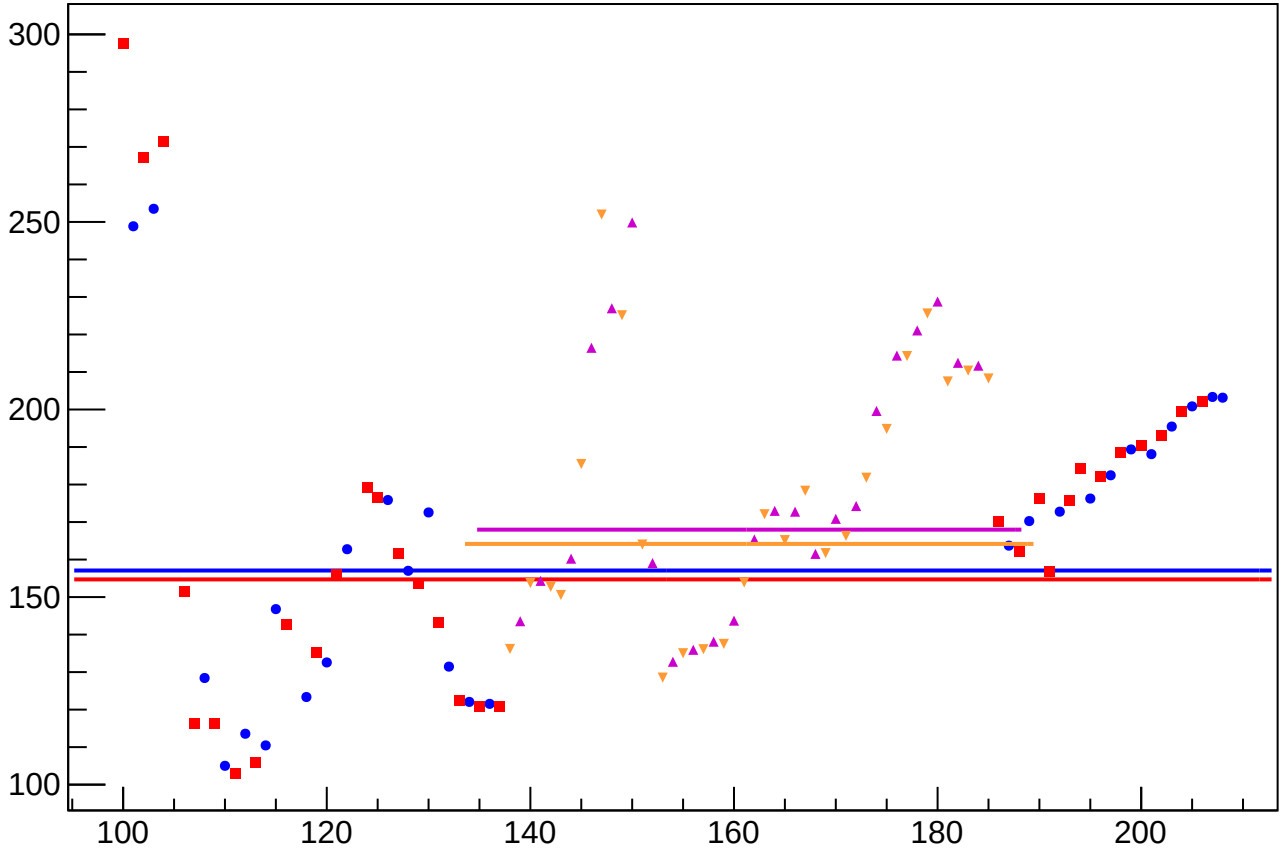
Right: 5416.080+/-28.496 χ^2/NDF: 155896.7/57

In: -1044.310+/-28.723 χ^2/NDF:129587.5/49

Out: 1236.611+/-27.497 χ^2/NDF:155221.6/55

All: 145.869+/-19.863 χ^2/NDF: 288099.6/105

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 157.082+/-0.029 χ^2/NDF: 1597223.7/26

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 154.712+/-0.028 χ^2/NDF: 1730097.2/30

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

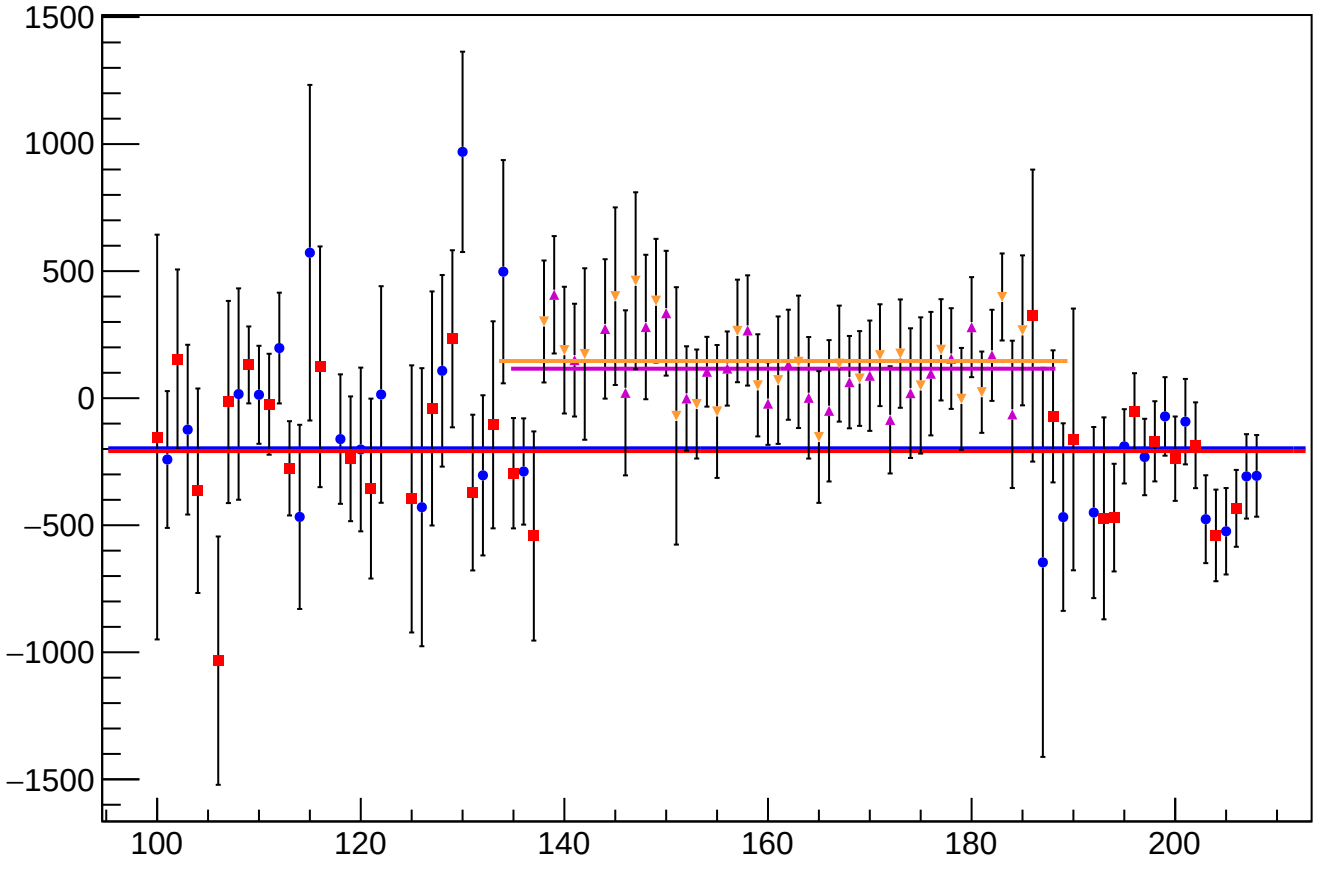
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 155.857+/-0.020 χ^2/NDF: 3330775.7/57

In: 162.631+/-0.020 χ^2/NDF:2891853.6/49

Out: 159.618+/-0.019 χ^2/NDF:3013603.6/55

All: 161.059+/-0.014 χ^2/NDF: 5916941.6/105



Right In: -197.291+/-44.679 χ^2/NDF: 29.1/26

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -208.123+/-45.037 χ^2/NDF: 23.9/28

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

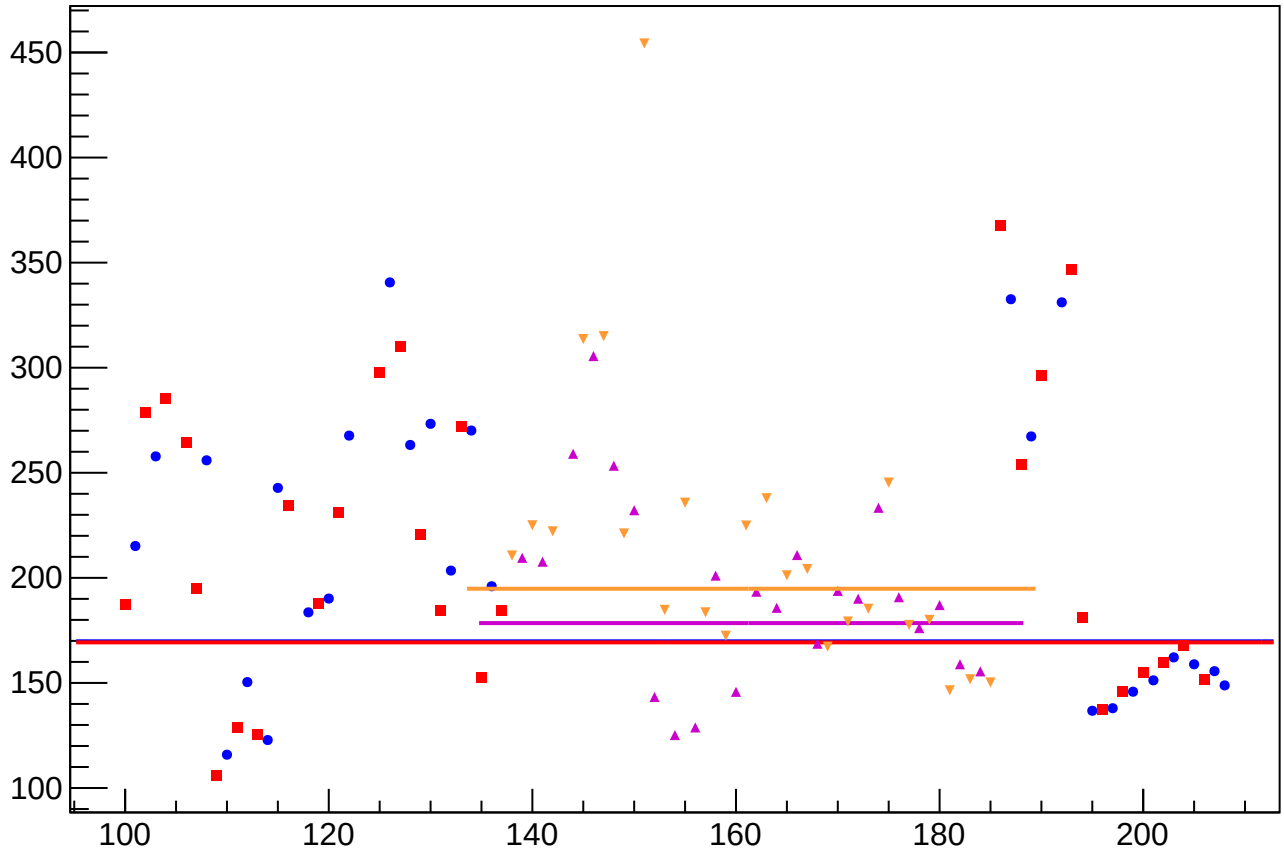
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -202.664+/-31.719 χ^2/NDF: 53.0/55

In: -36.845+/-31.206 χ^2/NDF:61.9/49

Out: -38.175+/-32.494 χ^2/NDF:63.5/52

All: -37.483+/-22.508 χ^2/NDF: 125.4/102



Right In: 169.804+/-0.032 χ^2/NDF: 2259323.0/26

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 169.306+/-0.032 χ^2/NDF: 2751580.8/28

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

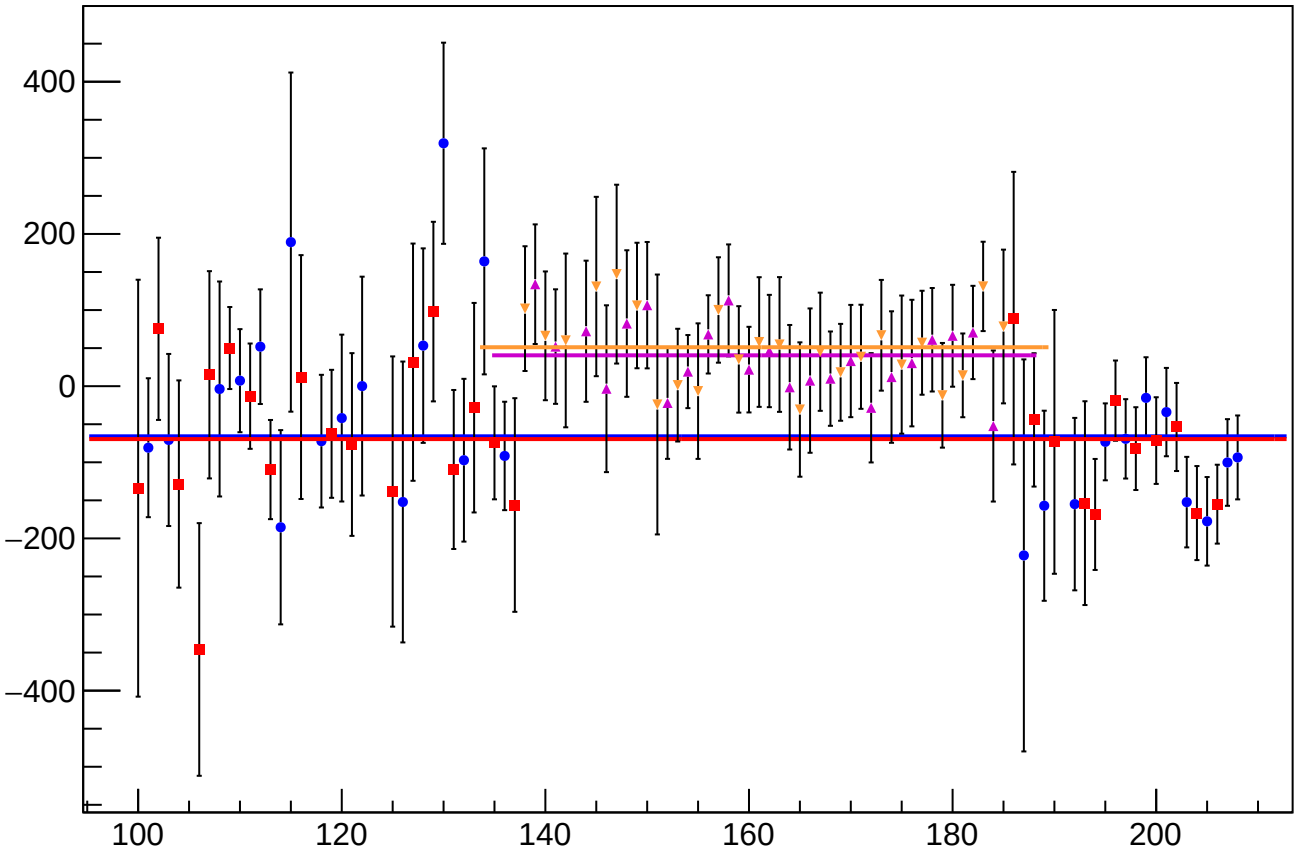
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 169.557+/-0.022 χ^2/NDF: 5011026.9/55

In: 174.245+/-0.022 χ^2/NDF:3974173.8/49

Out: 181.542+/-0.023 χ^2/NDF:4811991.8/52

All: 177.746+/-0.016 χ^2/NDF: 8838636.3/102



Right In: -65.869+/-15.346 χ^2/NDF: 27.6/26

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -69.510+/-15.501 χ^2/NDF: 23.6/28

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

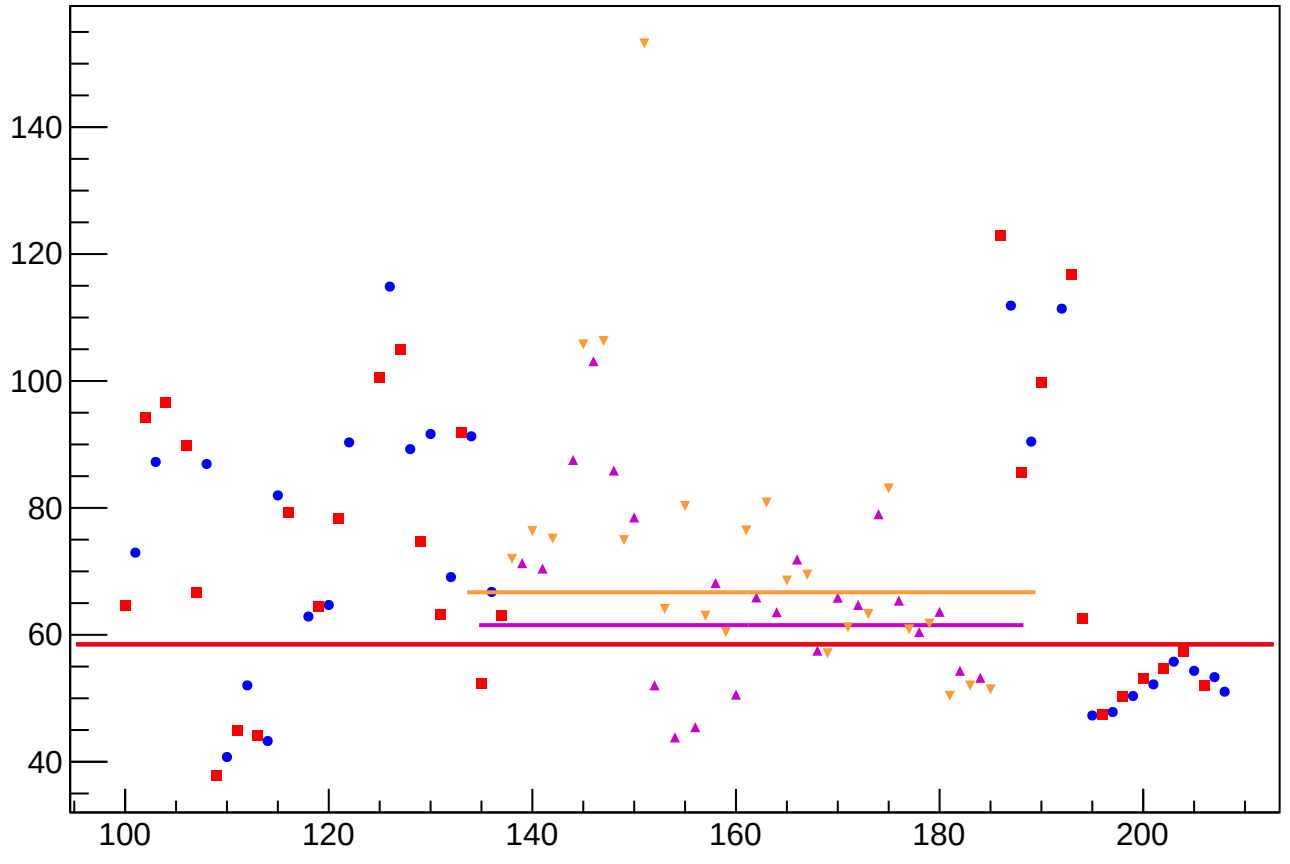
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -67.671+/-10.906 χ^2/NDF: 51.2/55

In: -11.371+/-10.719 χ^2/NDF:60.1/49

Out: -11.224+/-11.146 χ^2/NDF:61.0/52

All: -11.301+/-7.726 χ^2/NDF: 121.1/102



Right In: 58.484+/-0.011 χ^2/NDF: 2117973.0/26

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.524+/-0.011 χ^2/NDF: 2553071.8/28

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

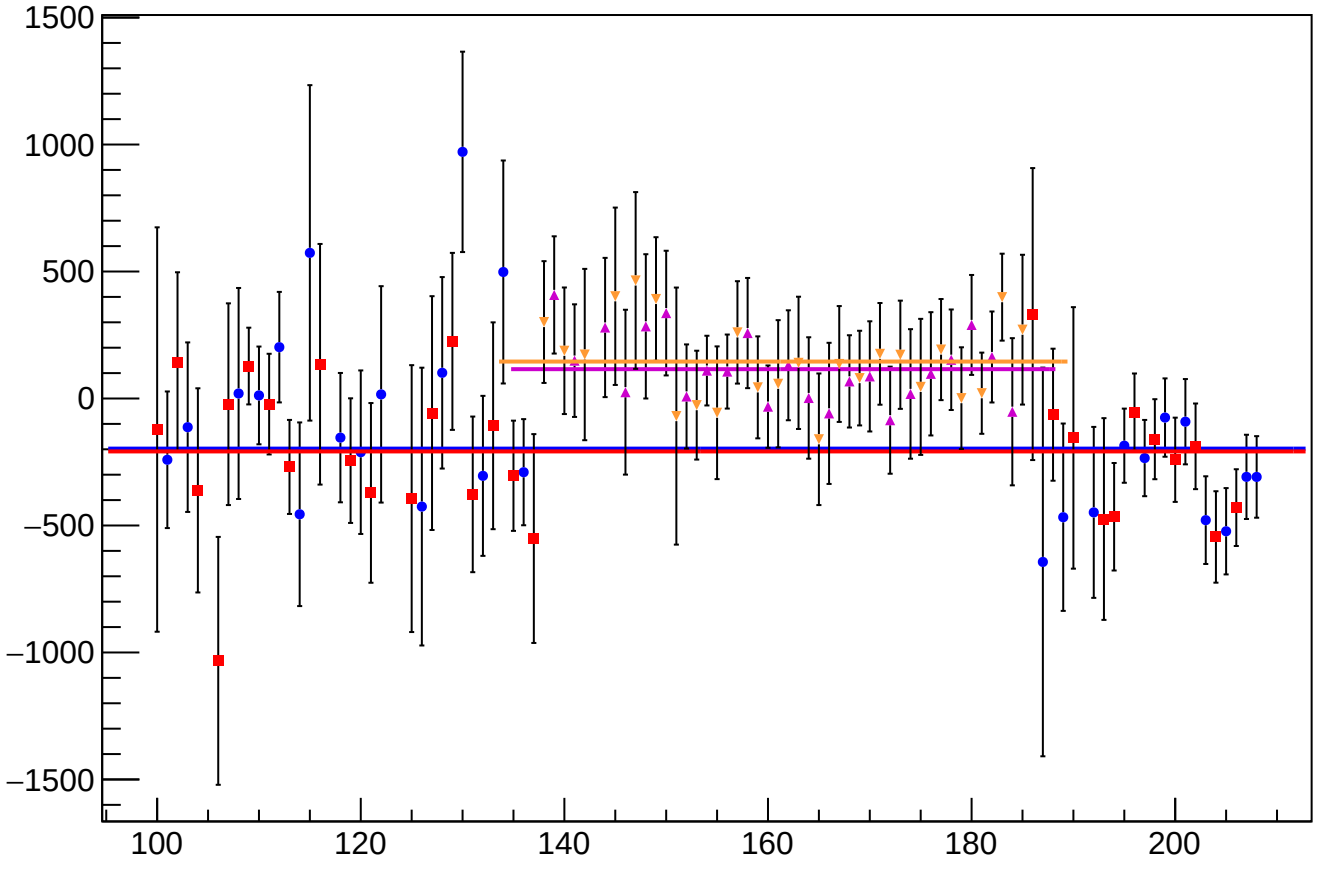
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.504+/-0.008 χ^2/NDF: 4671051.5/55

In: 60.043+/-0.008 χ^2/NDF:3648144.7/49

Out: 62.474+/-0.008 χ^2/NDF:4498355.8/52

All: 61.212+/-0.005 χ^2/NDF: 8195934.5/102



Right In: -197.338+/-44.622 χ^2/NDF: 29.3/26

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -208.375+/-44.981 χ^2/NDF: 23.9/28

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

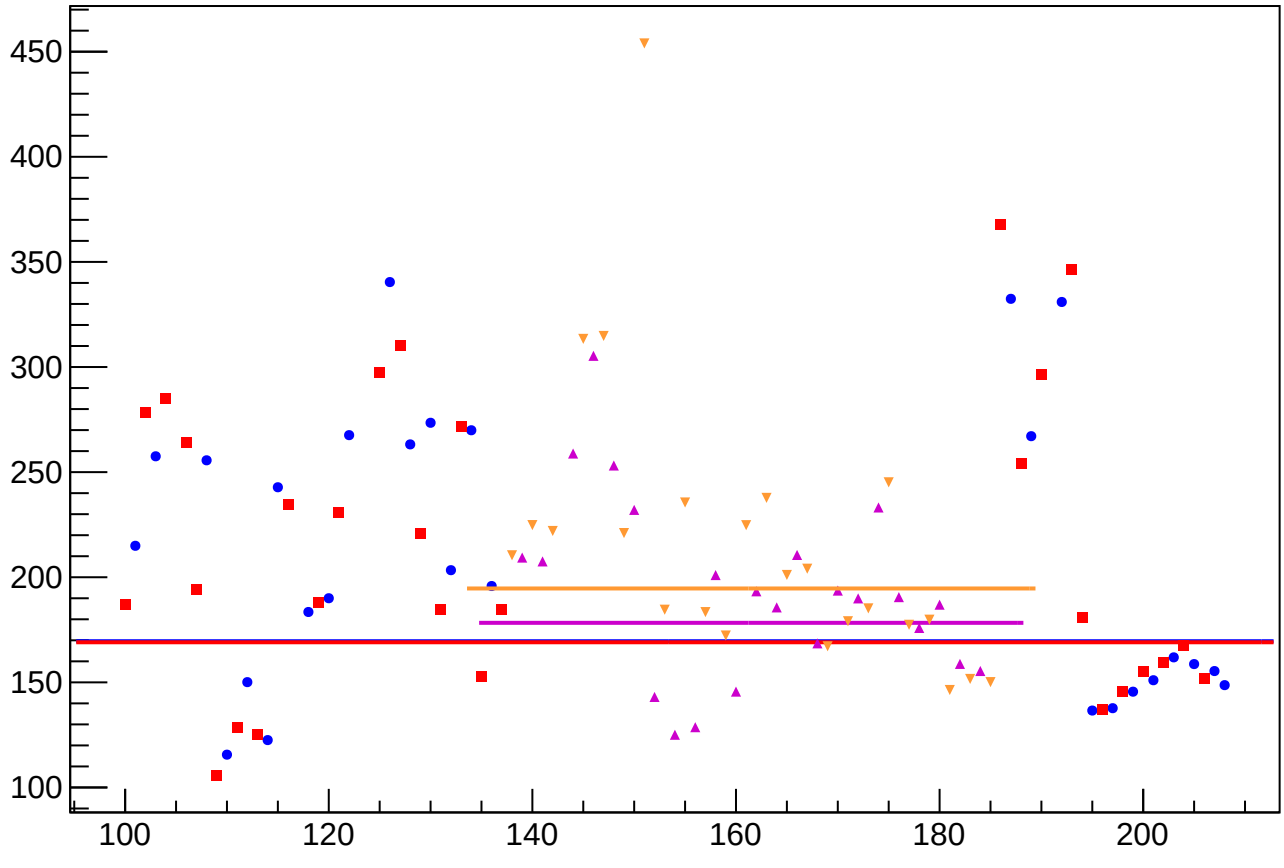
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

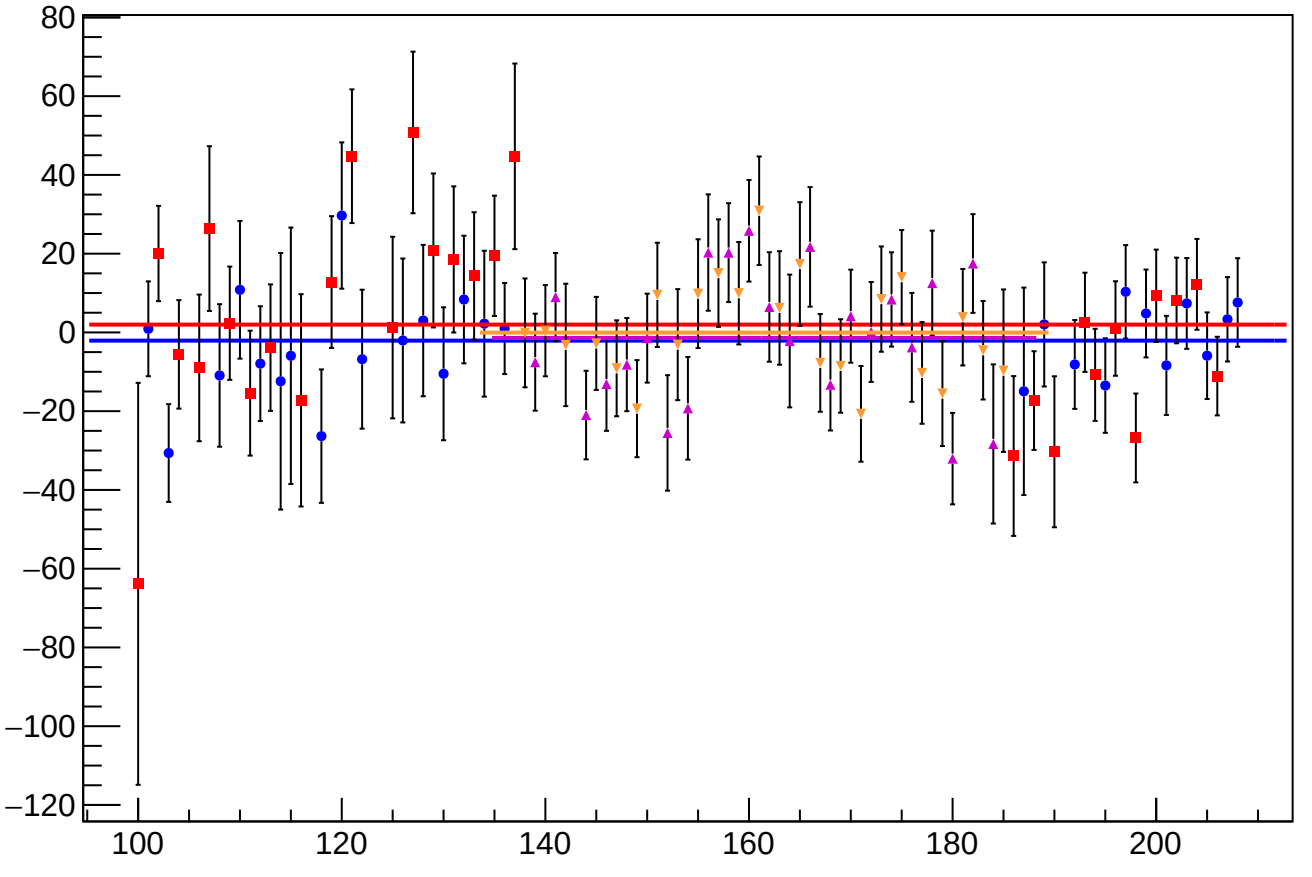
Right: -202.812+/-31.679 χ^2/NDF: 53.2/55

In: -37.186+/-31.173 χ^2/NDF:62.2/49

Out: -38.796+/-32.460 χ^2/NDF:63.8/52

All: -37.958+/-22.484 χ^2/NDF: 126.0/102


asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 169.568+/-0.032 χ²/NDF: 2265630.1/26
Left Out: 194.659+/-0.033 χ²/NDF:1753119.9/23
Right Out: 169.070+/-0.032 χ²/NDF: 2759731.8/28
Left In: 178.318+/-0.031 χ²/NDF:1678336.4/22
Left: 185.889+/-0.023 χ²/NDF: 3561822.0/46
Right: 169.321+/-0.022 χ²/NDF: 5025485.6/55
In: 174.047+/-0.022 χ²/NDF:3983337.1/49
Out: 181.333+/-0.023 χ²/NDF:4823059.0/52
All: 177.543+/-0.016 χ²/NDF: 8858810.6/102



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.985+/-2.756 χ^2/NDF: 45.9/28

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

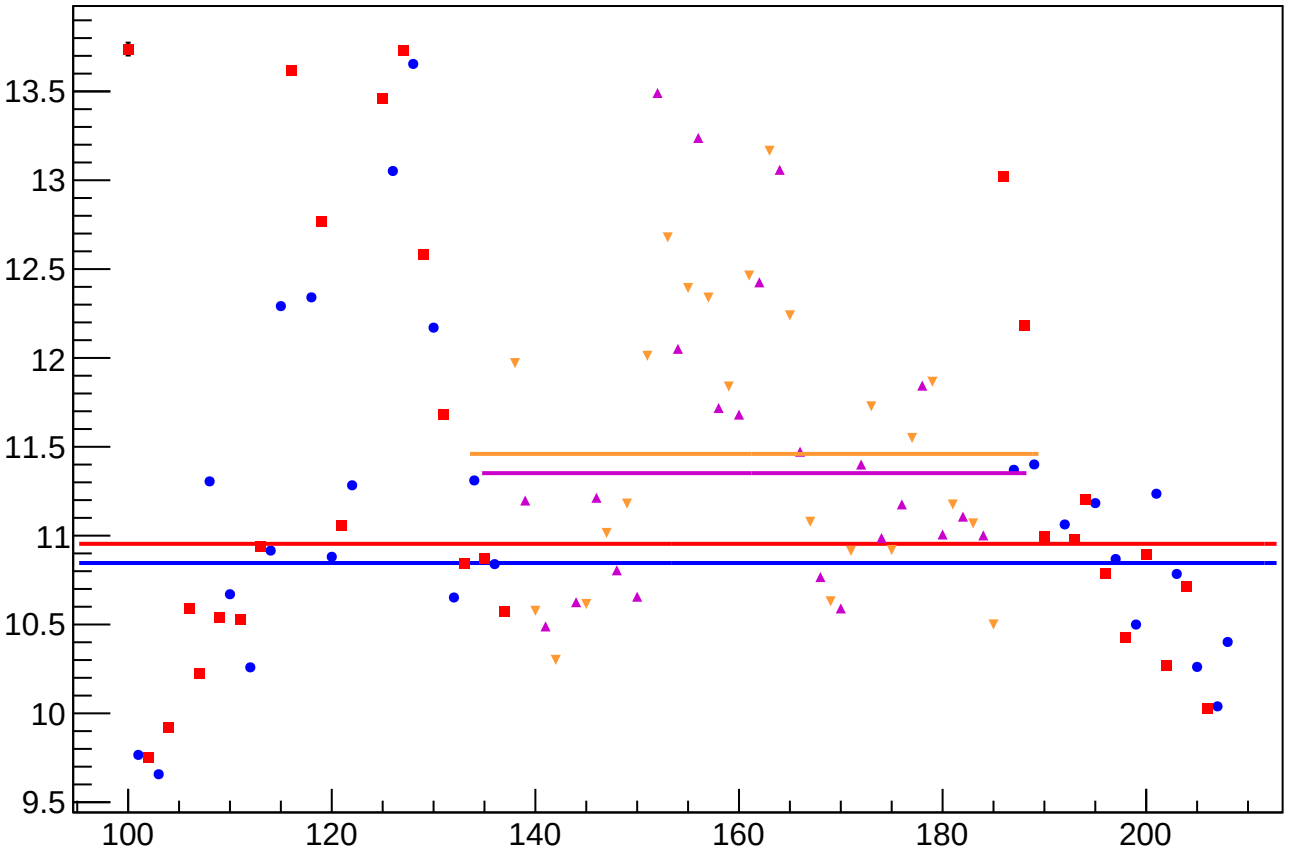
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: -0.057+/-1.945 χ^2/NDF: 64.3/55

In: -1.736+/-1.915 χ^2/NDF:53.7/49

Out: 0.943+/-1.923 χ^2/NDF:66.6/52

All: -0.402+/-1.357 χ^2/NDF: 121.3/102



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.954+/-0.002 χ^2/NDF: 236013.4/28

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

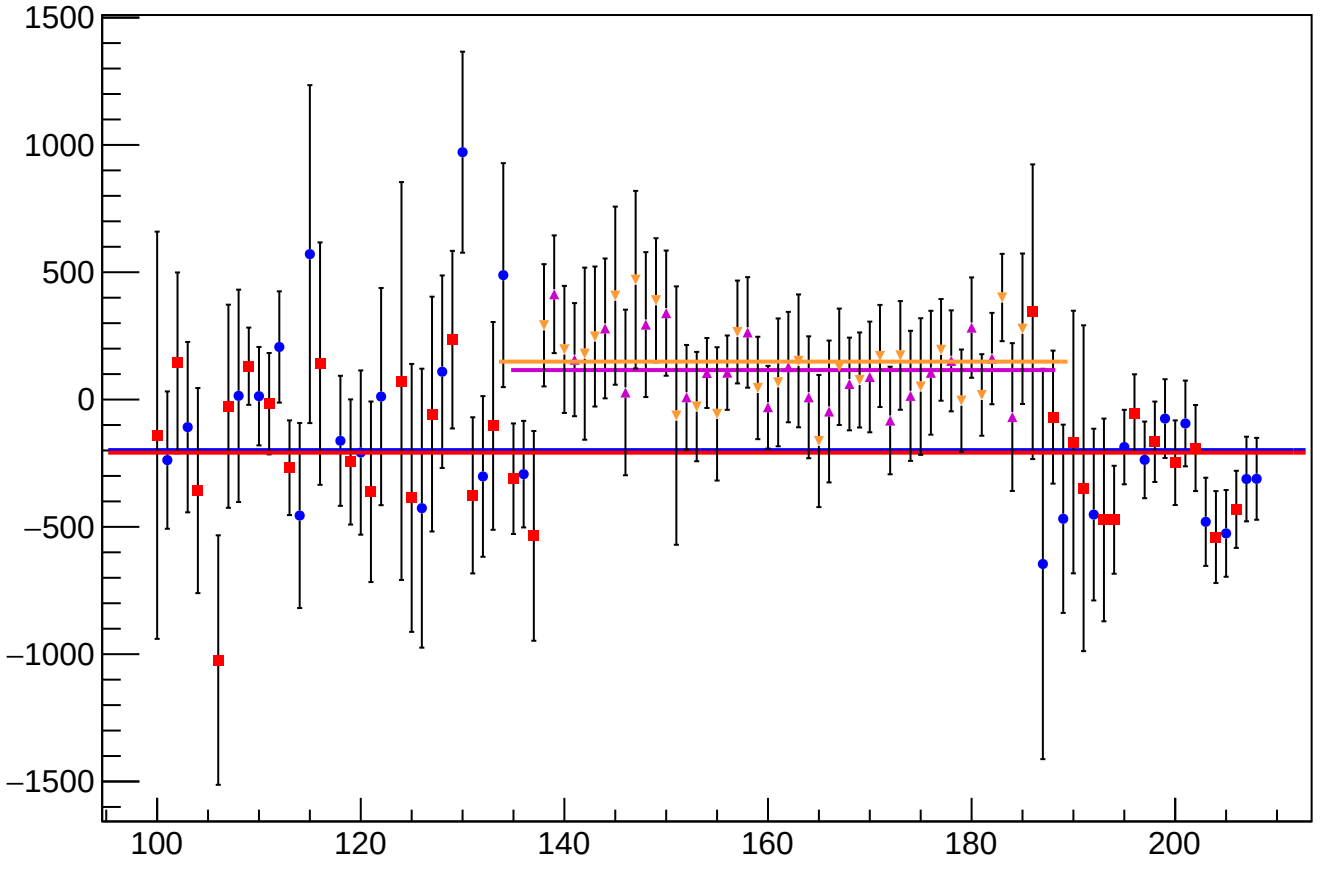
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.900+/-0.001 χ^2/NDF: 406065.1/55

In: 11.106+/-0.001 χ^2/NDF:373901.4/49

Out: 11.214+/-0.001 χ^2/NDF:421047.7/52

All: 11.159+/-0.001 χ^2/NDF: 798123.3/102



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -208.581+/-44.918 χ^2/NDF: 24.0/30

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

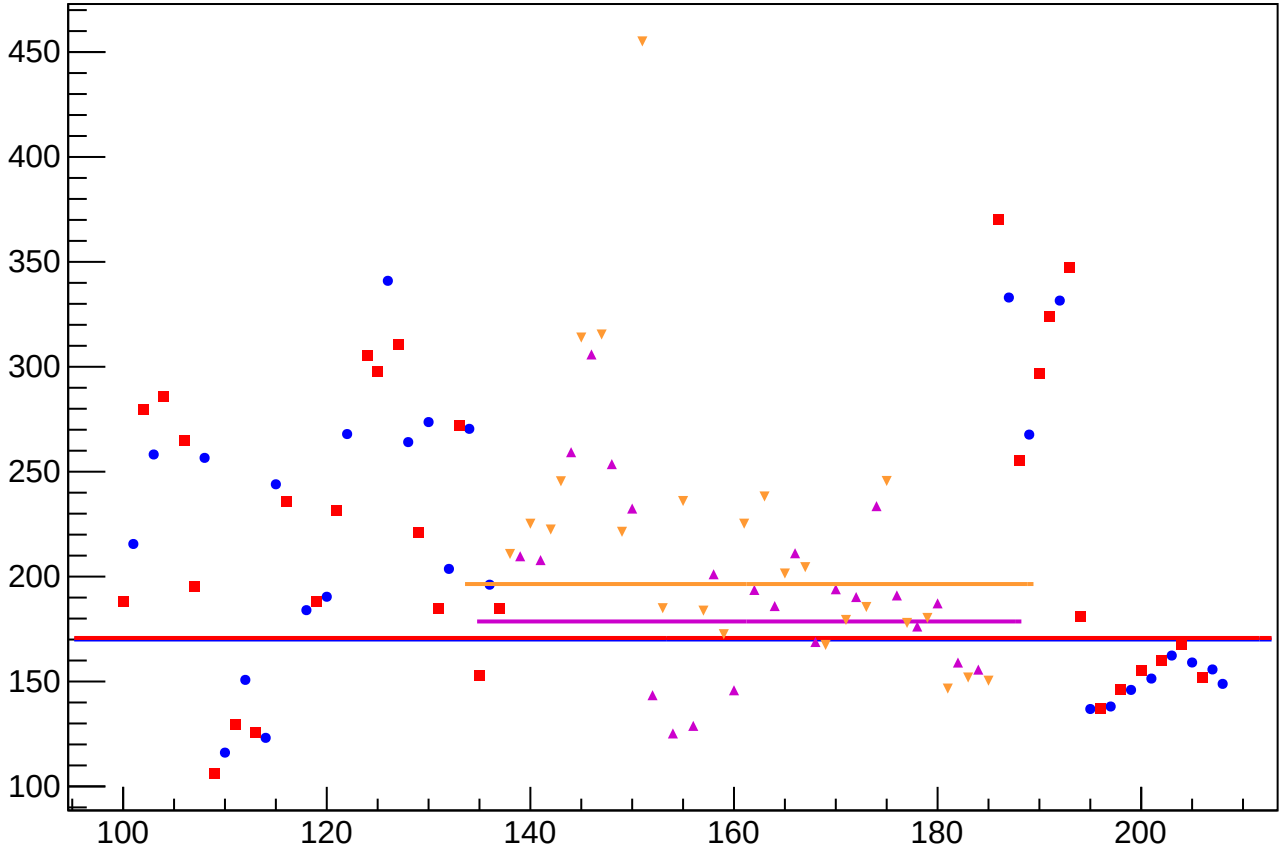
Right: -203.589+/-31.698 χ^2/NDF: 53.4/57

In: -37.564+/-31.239 χ^2/NDF:62.4/49

Out: -35.276+/-32.242 χ^2/NDF:65.2/55

All: -36.456+/-22.436 χ^2/NDF: 127.6/105

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

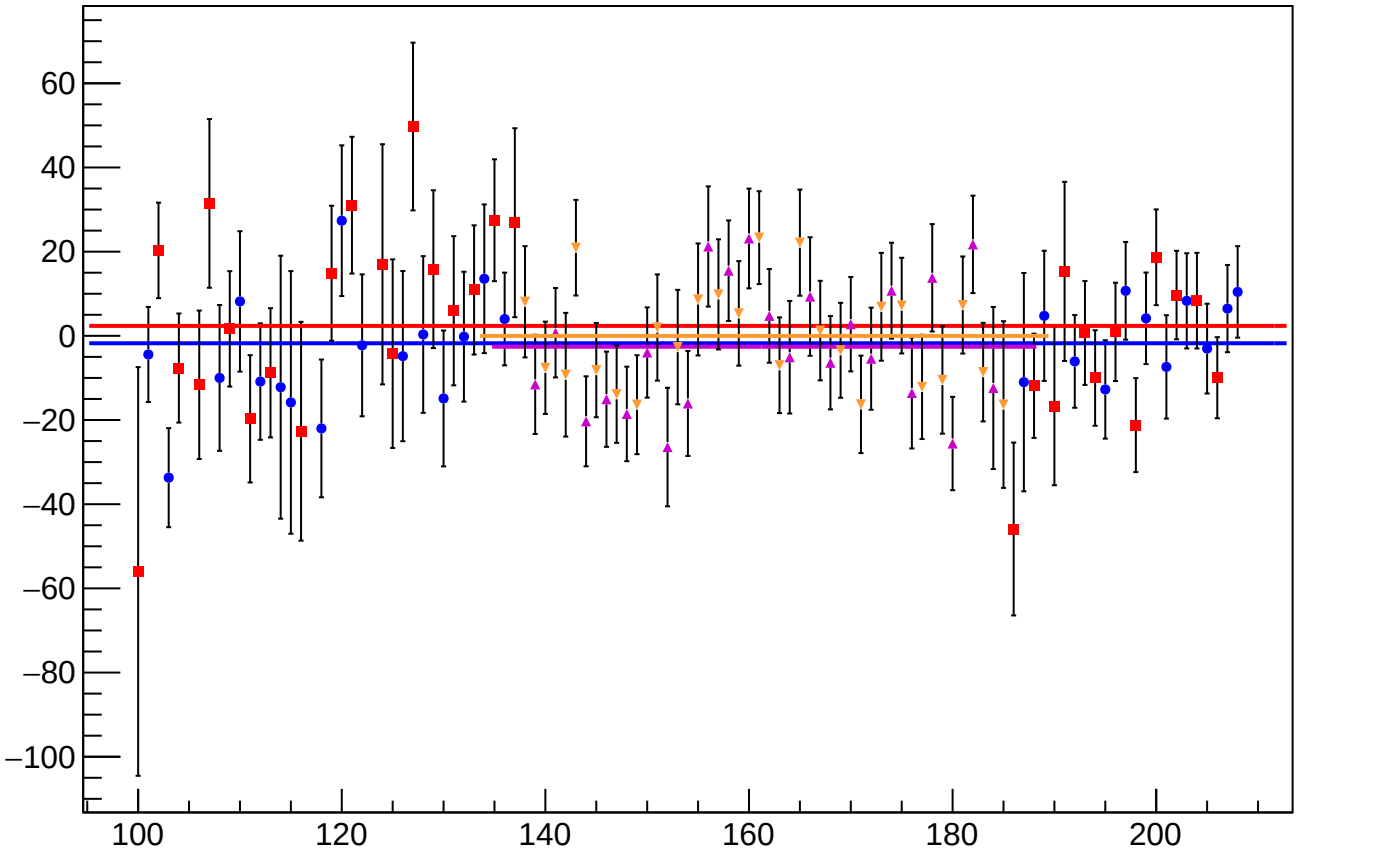
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 170.383+/-0.022 χ^2/NDF: 5193917.7/57

In: 174.423+/-0.022 χ^2/NDF:3977793.0/49

Out: 183.212+/-0.023 χ^2/NDF:5068760.4/55

All: 178.679+/-0.016 χ^2/NDF: 9123212.1/105



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.365+/-2.630 χ^2/NDF: 44.0/30

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

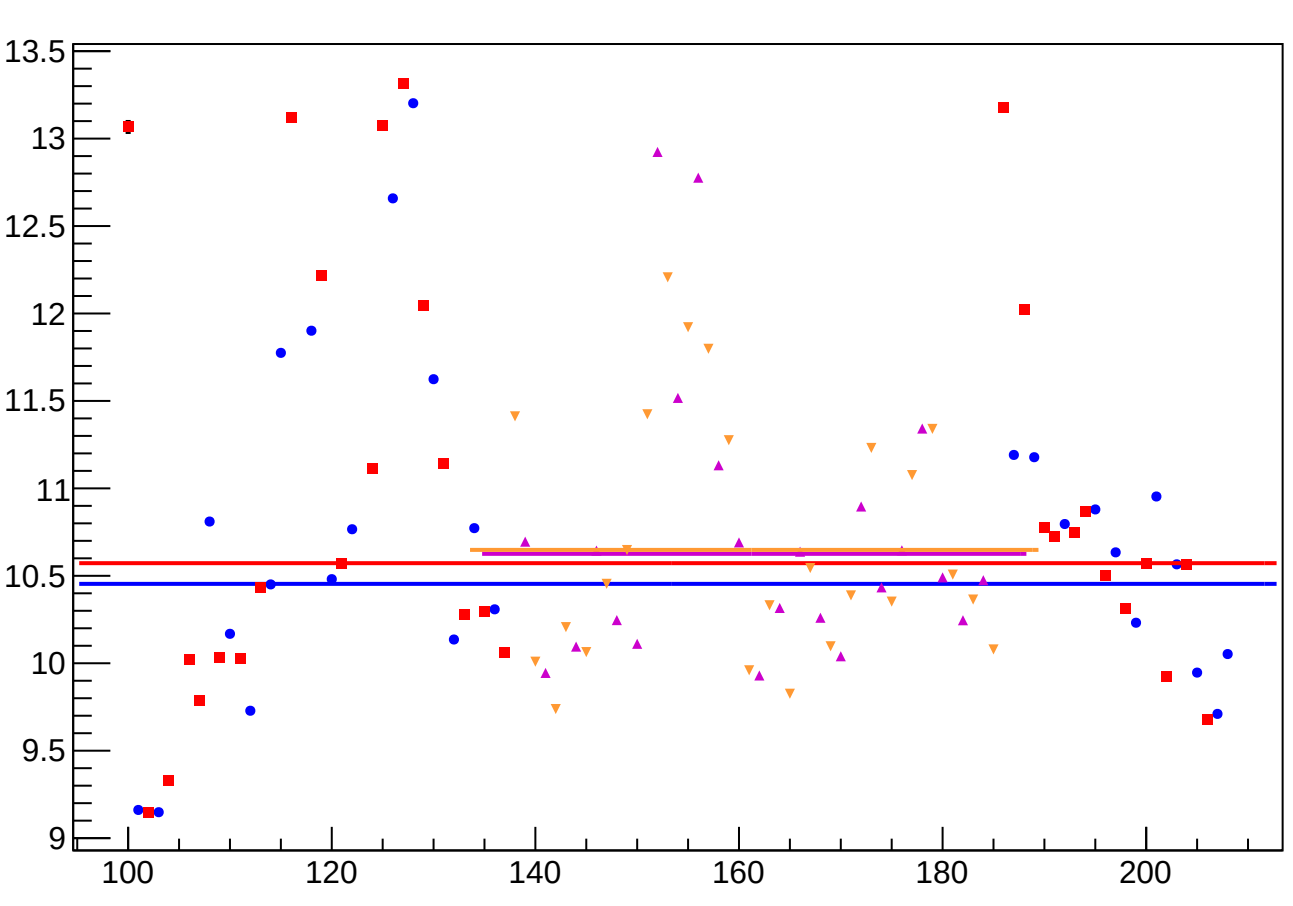
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.314+/-1.866 χ^2/NDF: 65.6/57

In: -2.202+/-1.820 χ^2/NDF:55.2/49

Out: 1.087+/-1.790 χ^2/NDF:68.2/55

All: -0.530+/-1.276 χ^2/NDF: 125.0/105



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

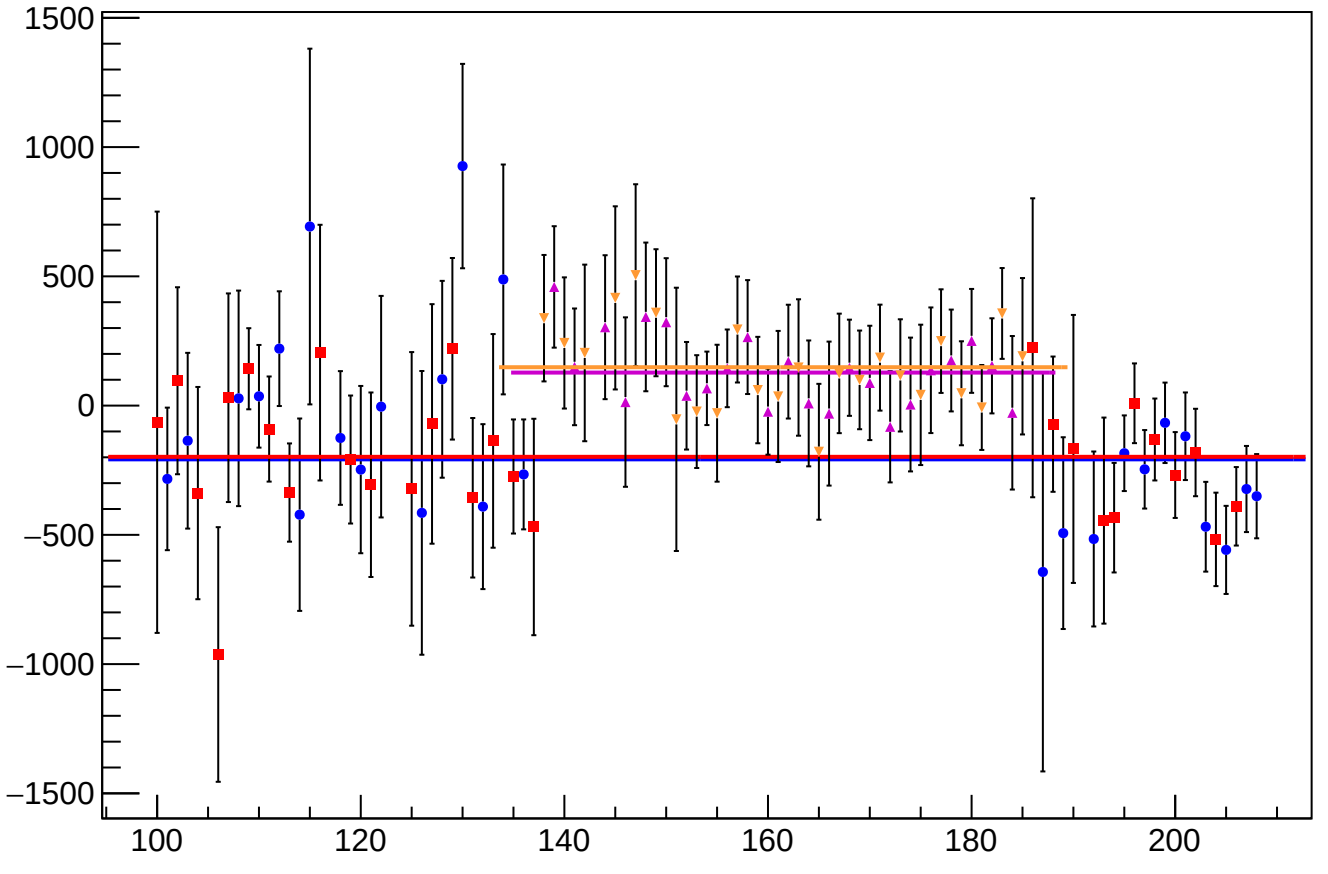
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.514+/-0.001 χ^2/NDF: 467100.5/57

In: 10.545+/-0.001 χ^2/NDF:354329.2/49

Out: 10.613+/-0.001 χ^2/NDF:419169.7/55

All: 10.579+/-0.001 χ^2/NDF: 774937.9/105



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -198.162+/-45.547 χ^2/NDF: 21.5/28

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

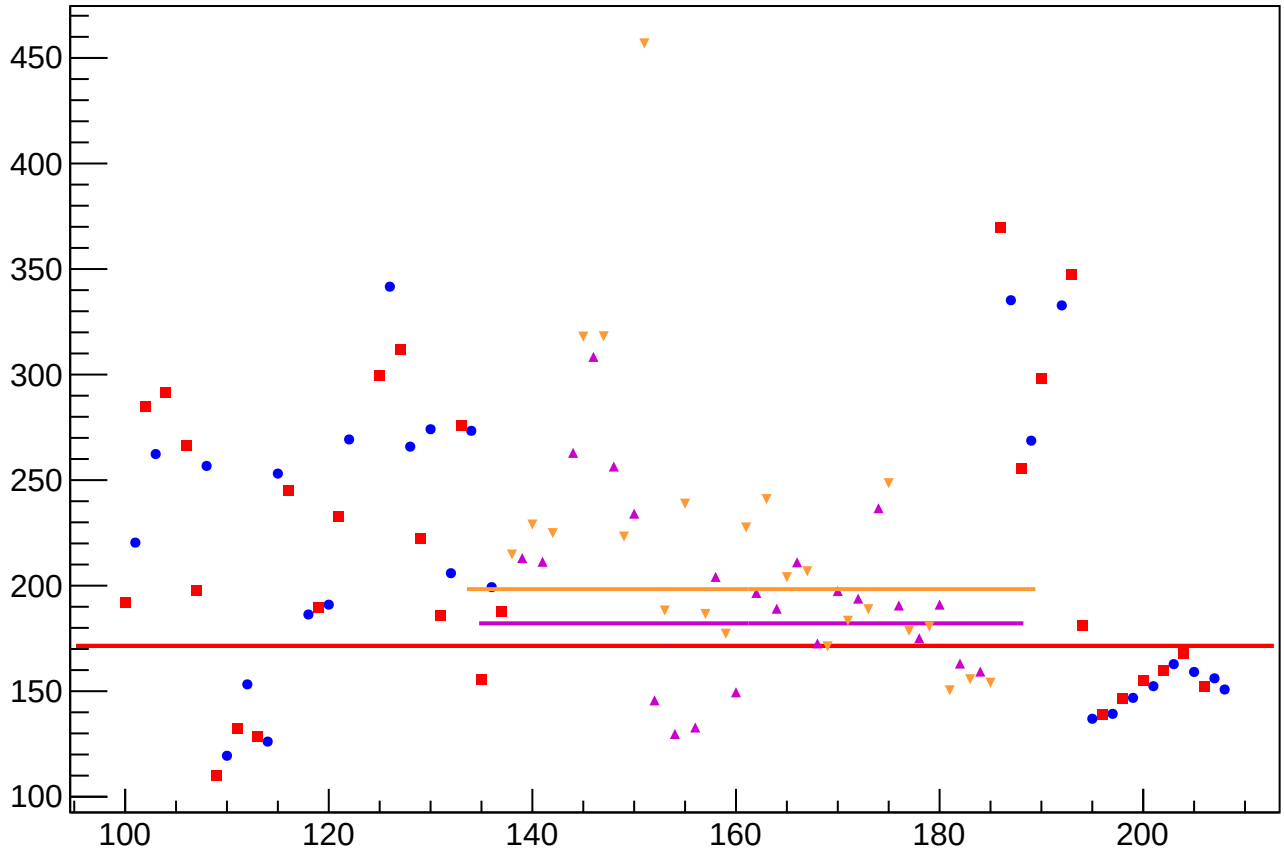
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -203.084+/-32.052 χ^2/NDF: 52.1/55

In: -37.527+/-31.654 χ^2/NDF:66.5/49

Out: -32.935+/-32.948 χ^2/NDF:58.9/52

All: -35.323+/-22.827 χ^2/NDF: 125.5/102



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 171.446+/-0.032 χ^2/NDF: 2694887.9/28

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

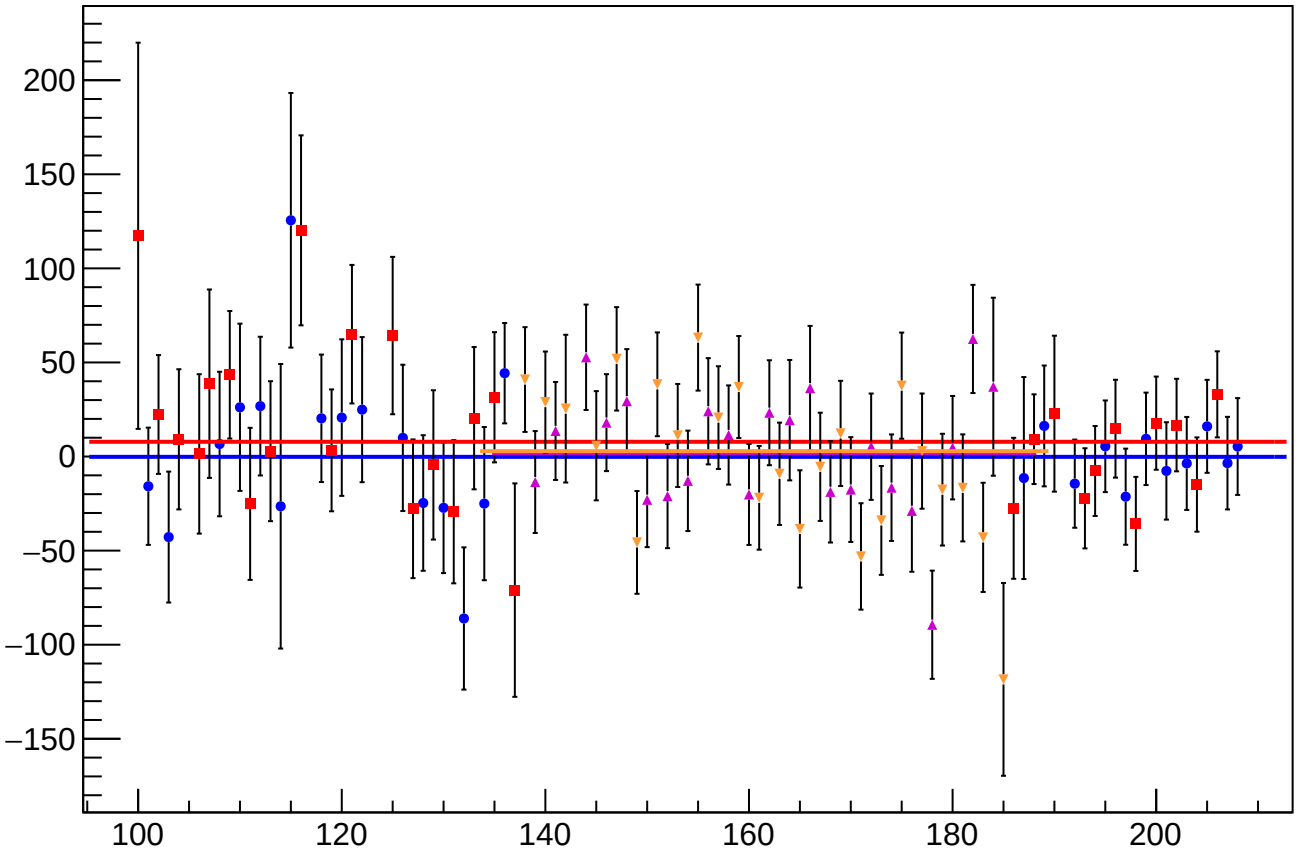
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 171.472+/-0.023 χ^2/NDF: 4947123.3/55

In: 176.905+/-0.022 χ^2/NDF:3893213.5/49

Out: 184.272+/-0.023 χ^2/NDF:4724645.7/52

All: 180.441+/-0.016 χ^2/NDF: 8669849.6/102



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 7.839+/-6.016 χ^2/NDF: 25.4/28

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

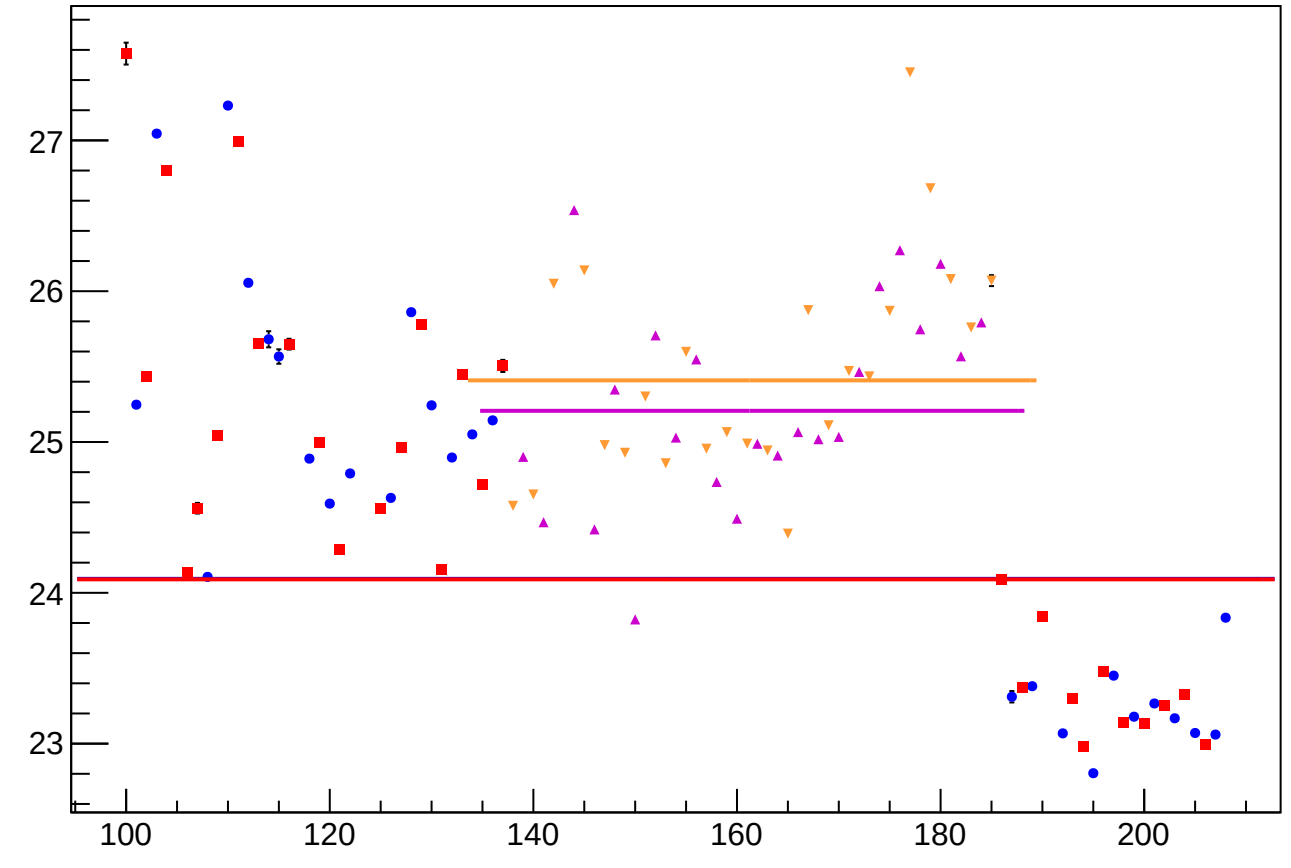
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 3.869+/-4.270 χ^2/NDF: 45.2/55

In: 0.873+/-4.225 χ^2/NDF:47.0/49

Out: 5.298+/-4.214 χ^2/NDF:62.7/52

All: 3.092+/-2.984 χ^2/NDF: 110.3/102



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.089+/-0.004 χ^2/NDF: 68873.3/28

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

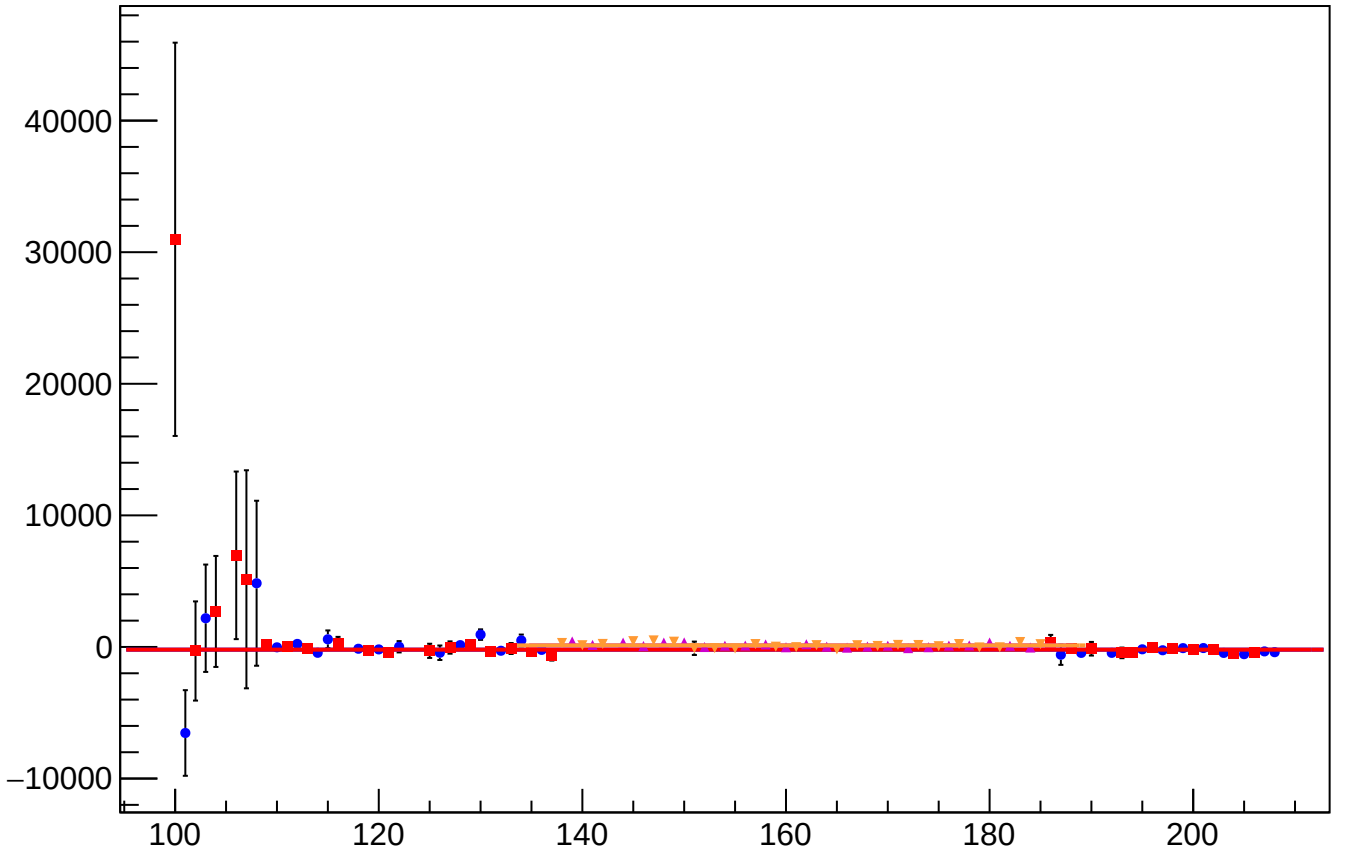
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.091+/-0.003 χ^2/NDF: 144927.5/55

In: 24.665+/-0.003 χ^2/NDF:136619.5/49

Out: 24.761+/-0.003 χ^2/NDF:144733.7/52

All: 24.714+/-0.002 χ^2/NDF: 281870.2/102



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -204.571+/-48.344 χ^2/NDF: 24.7/28

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

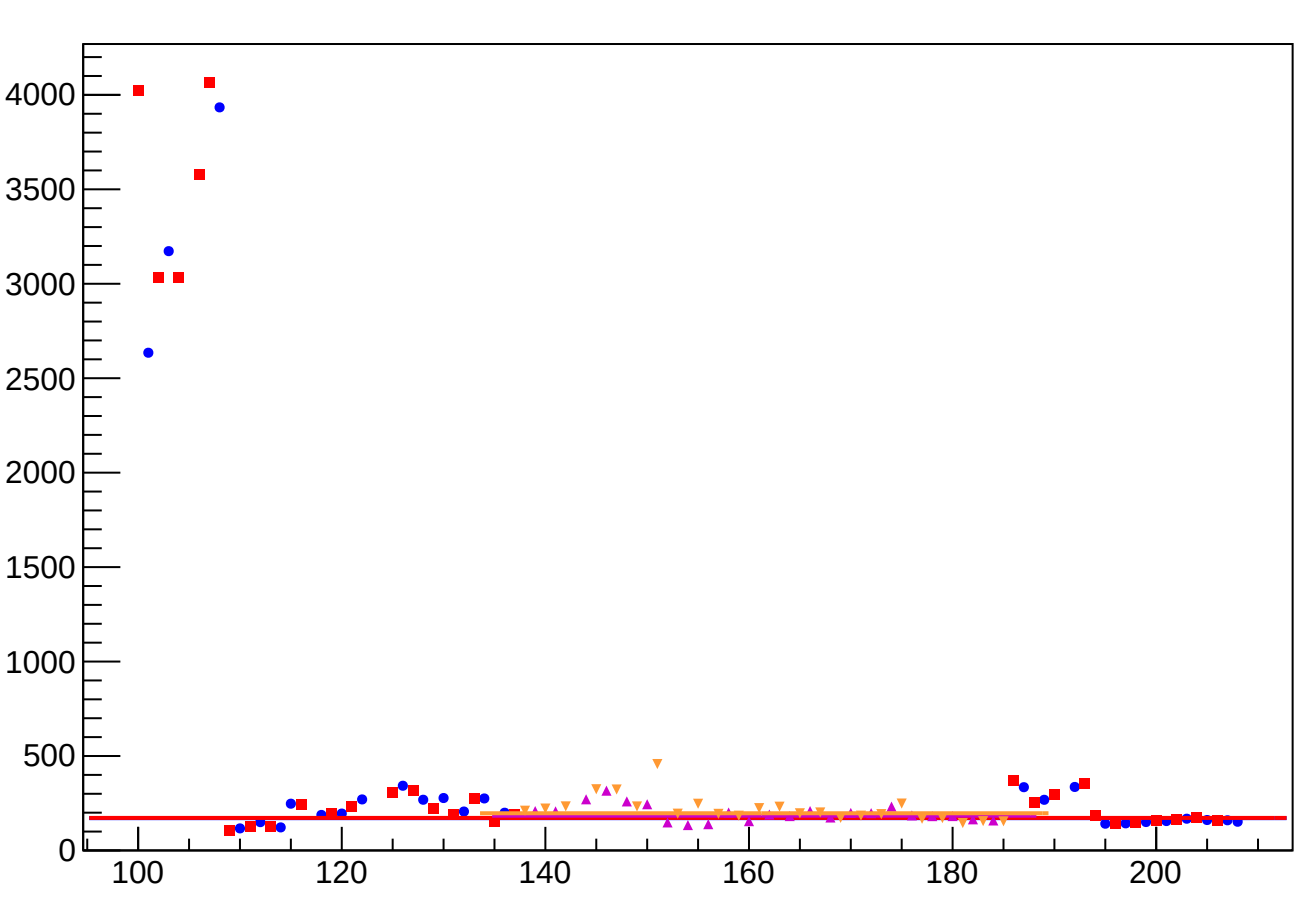
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -205.511+/-33.731 χ^2/NDF: 58.4/55

In: -37.006+/-32.451 χ^2/NDF:66.7/49

Out: -39.110+/-33.860 χ^2/NDF:59.6/52

All: -38.013+/-23.429 χ^2/NDF: 126.4/102



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.263+/-0.034 χ^2/NDF: 5355940.8/28

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

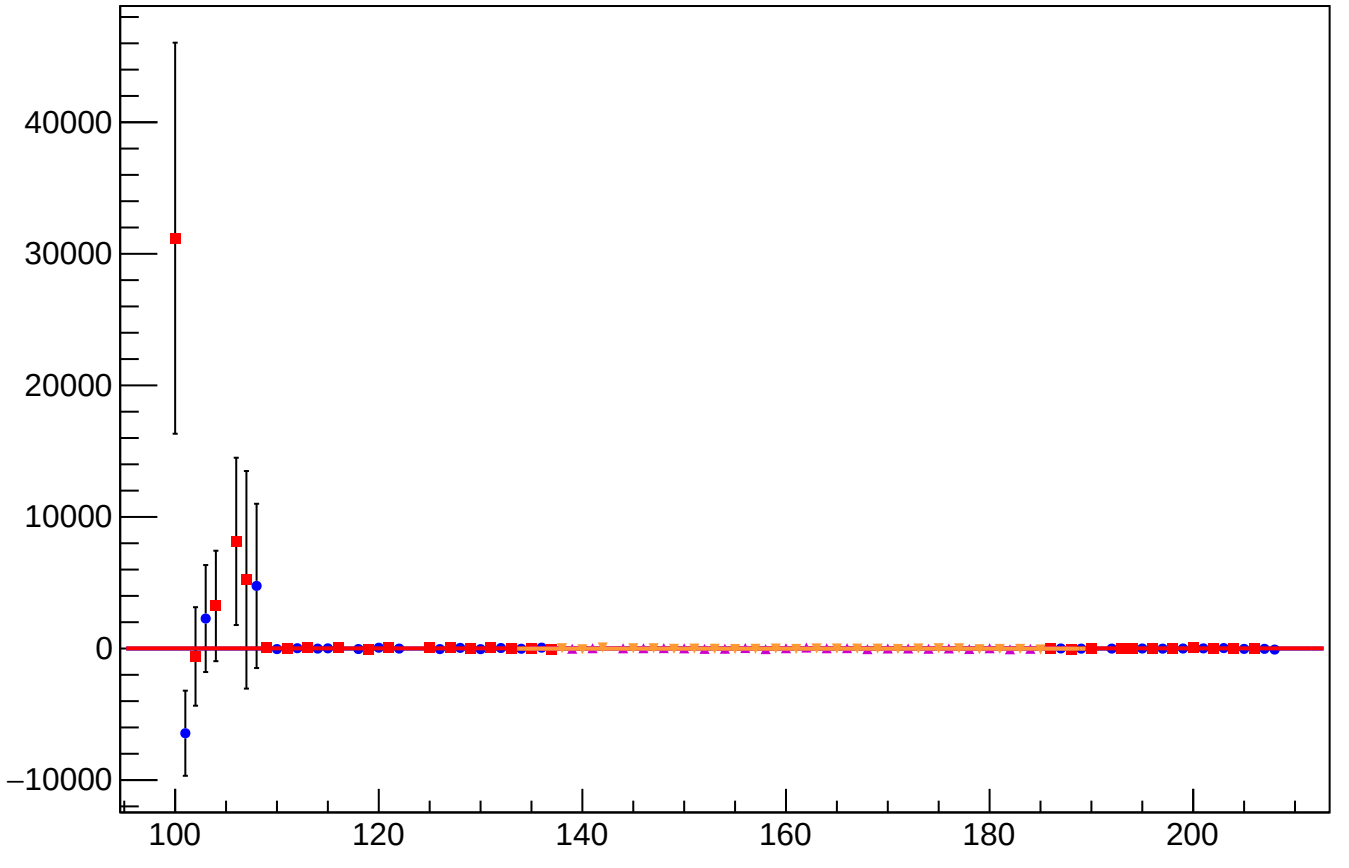
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 171.596+/-0.024 χ^2/NDF: 10226531.3/55

In: 177.835+/-0.023 χ^2/NDF:6396386.8/49

Out: 184.832+/-0.024 χ^2/NDF:7430575.8/52

All: 181.185+/-0.017 χ^2/NDF: 13871476.4/10



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 11.776+/-7.359 χ^2/NDF: 30.4/28

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

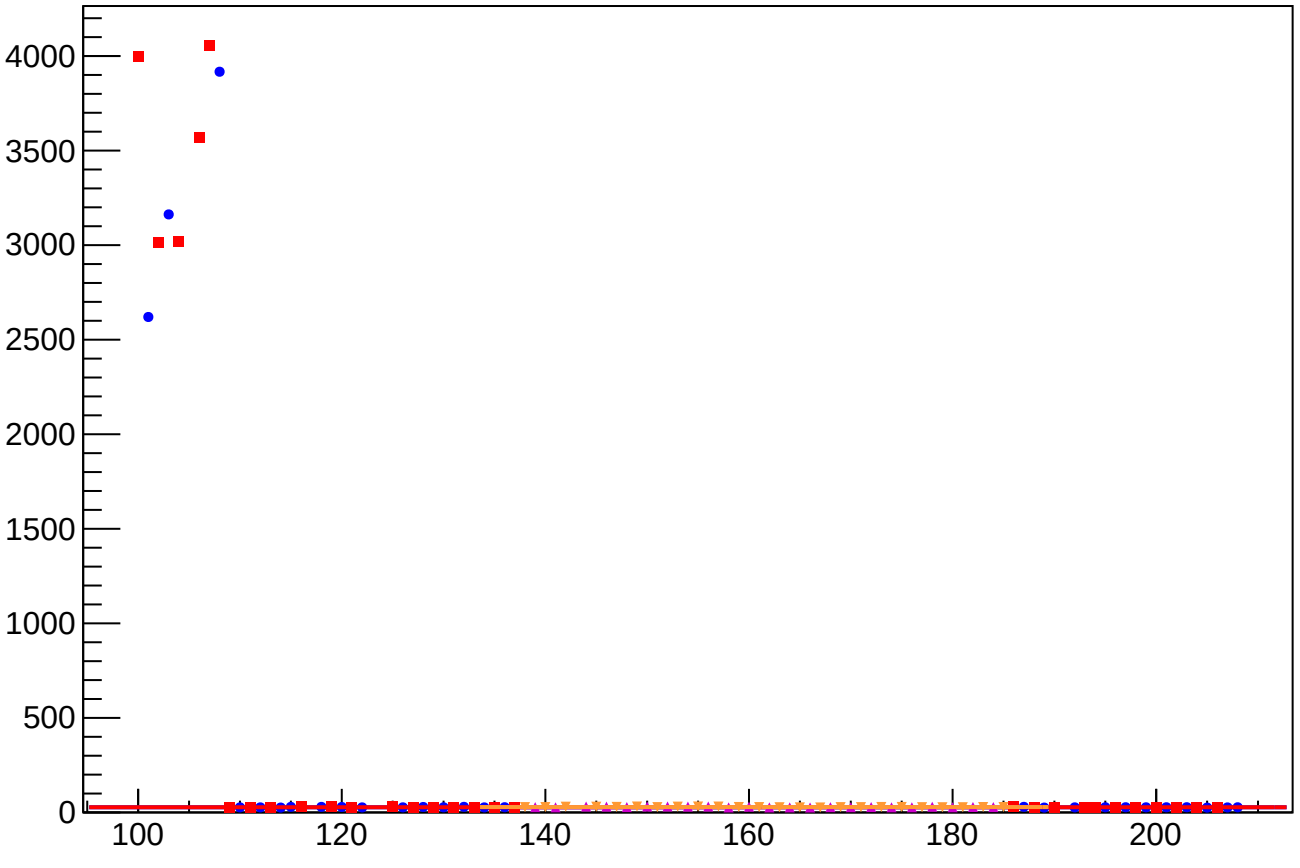
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 3.332+/-5.167 χ^2/NDF: 62.0/55

In: -0.873+/-4.935 χ^2/NDF:51.7/49

Out: -0.817+/-4.935 χ^2/NDF:53.3/52

All: -0.845+/-3.490 χ^2/NDF: 104.9/102



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.485+/-0.005 χ^2/NDF: 3582291.6/28

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

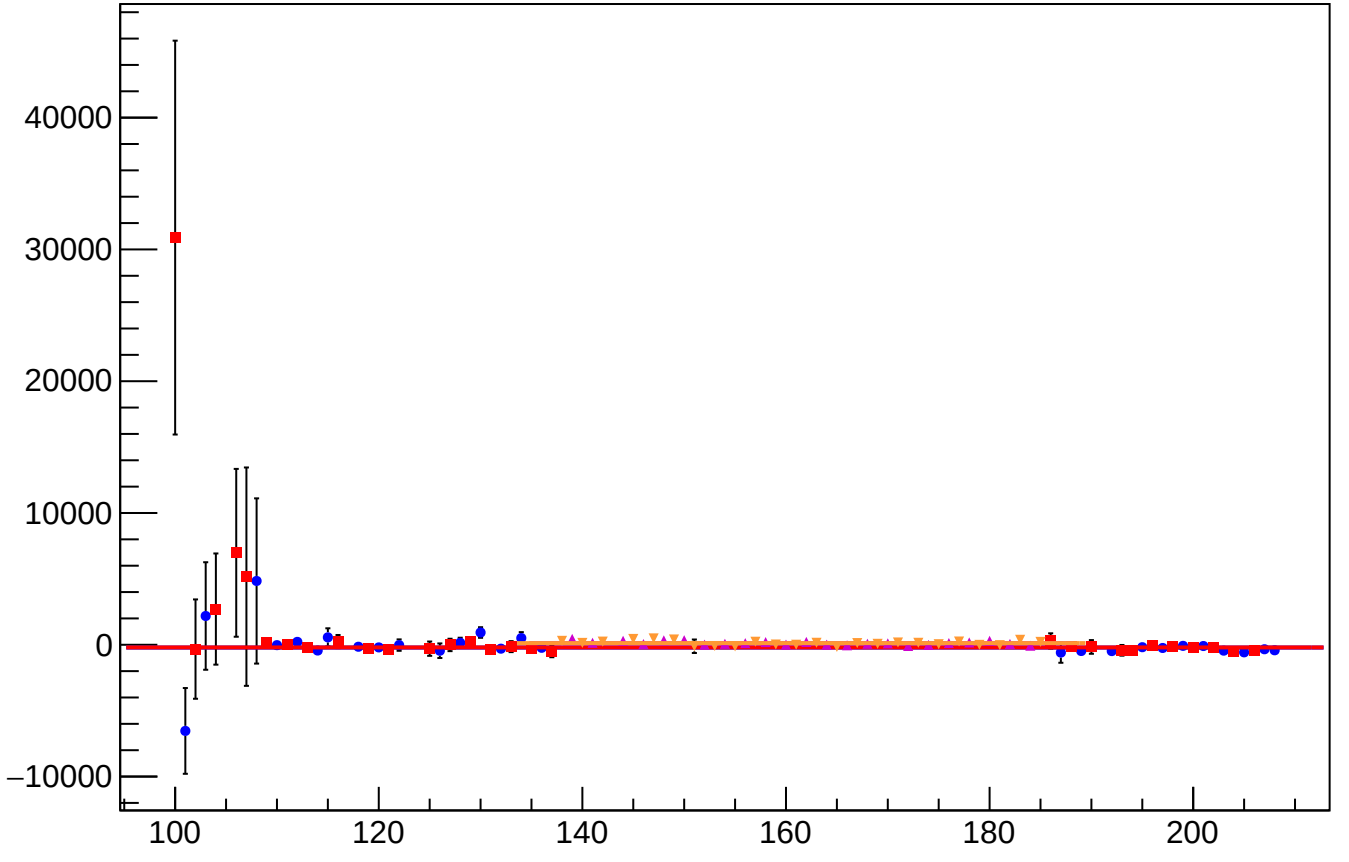
Right: 27.401+/-0.004 χ^2/NDF: 6867525.1/55

In: 28.077+/-0.003 χ^2/NDF:3452520.9/49

Out: 28.094+/-0.003 χ^2/NDF:3688225.6/52

All: 28.085+/-0.002 χ^2/NDF: 7140758.7/102

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -202.010+/-48.539 χ^2/NDF: 23.0/28

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

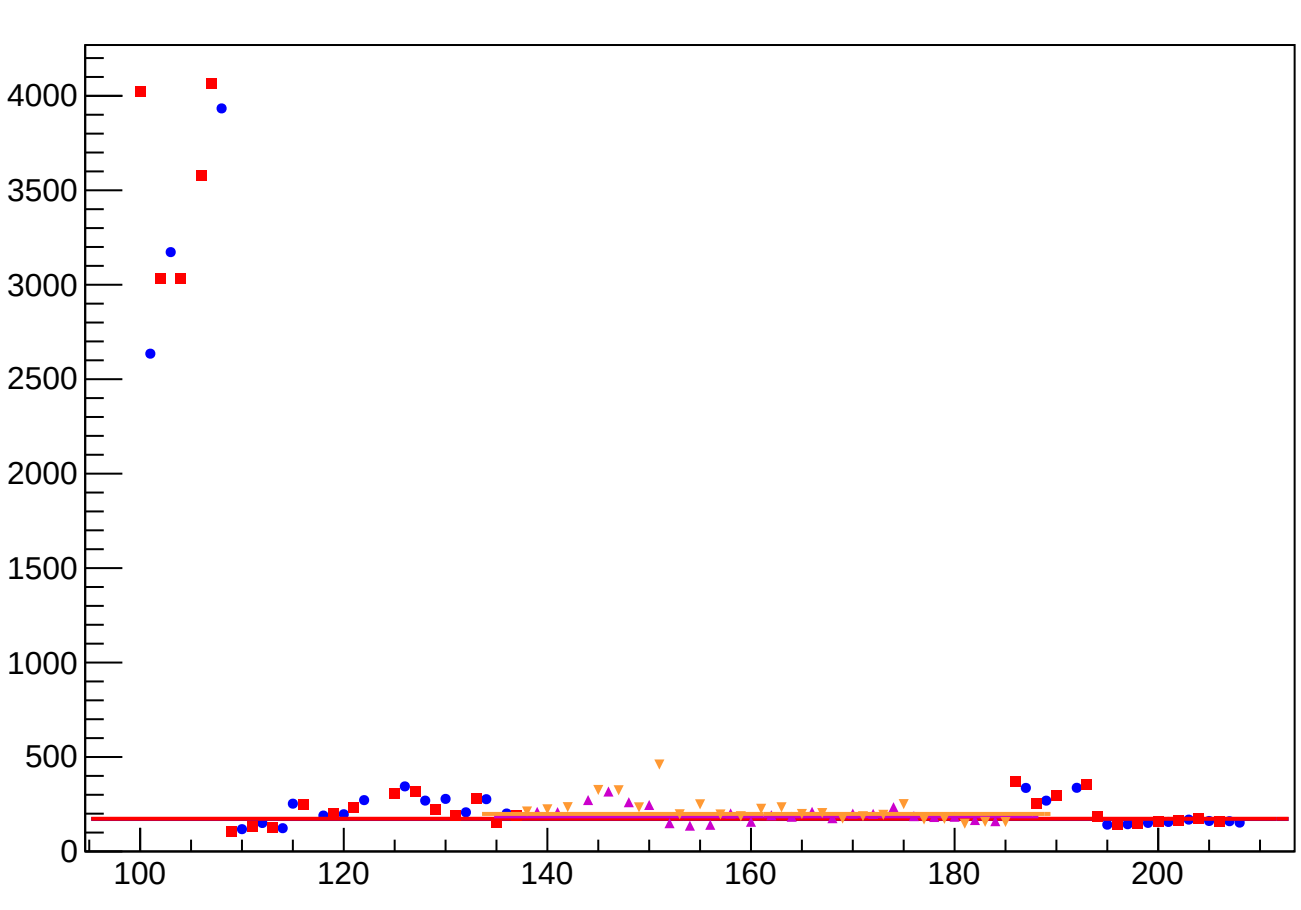
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -207.824+/-33.872 χ^2/NDF: 57.1/55

In: -37.673+/-32.674 χ^2/NDF:68.4/49

Out: -35.480+/-34.077 χ^2/NDF:57.9/52

All: -36.623+/-23.584 χ^2/NDF: 126.3/102



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 173.003+/-0.034 χ^2/NDF: 5345301.2/28

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

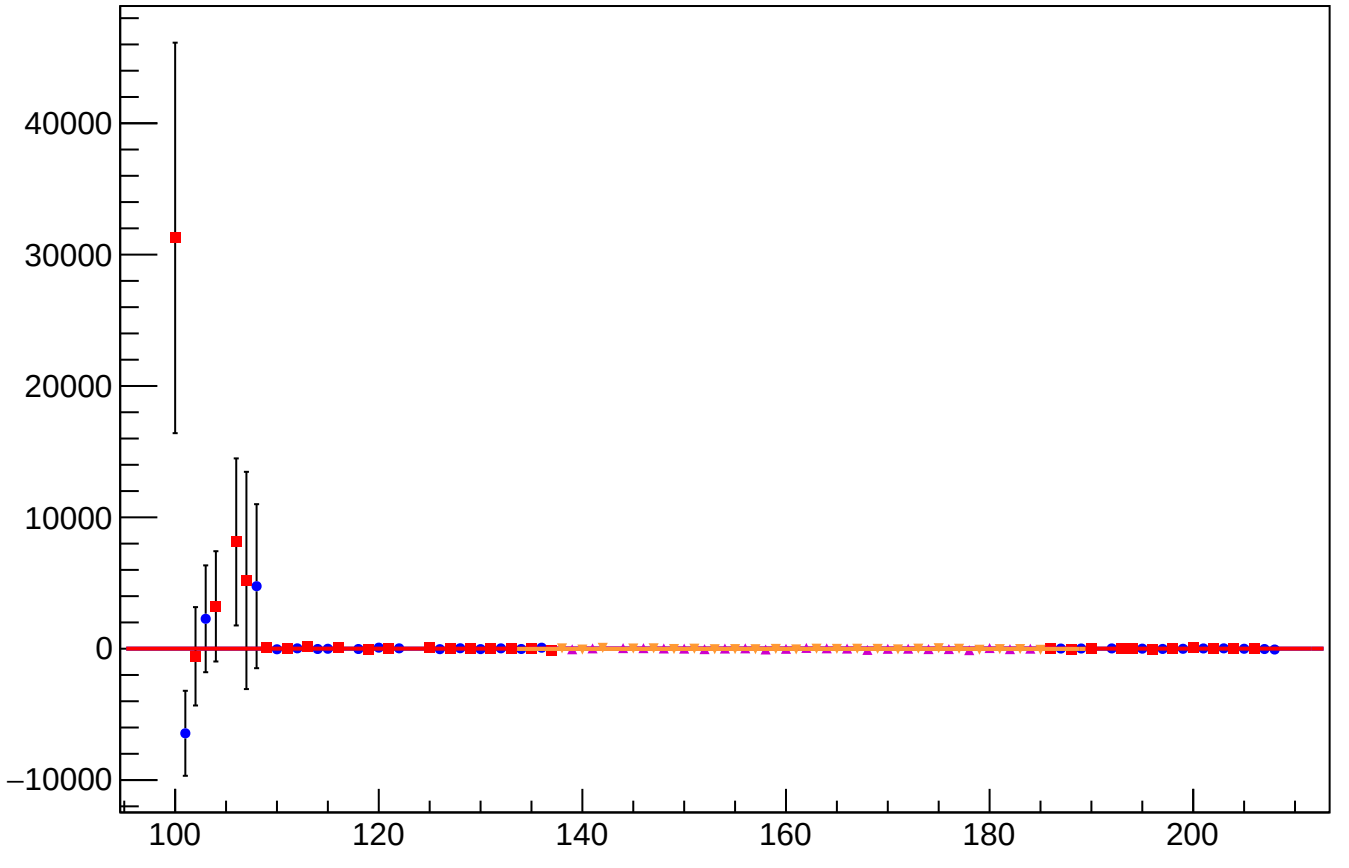
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 172.340+/-0.024 χ^2/NDF: 10213399.7/55

In: 179.111+/-0.023 χ^2/NDF:6366616.2/49

Out: 186.053+/-0.024 χ^2/NDF:7416765.9/52

All: 182.436+/-0.017 χ^2/NDF: 13826625.2/10



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 5.879+/-8.118 χ^2/NDF: 37.7/28

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

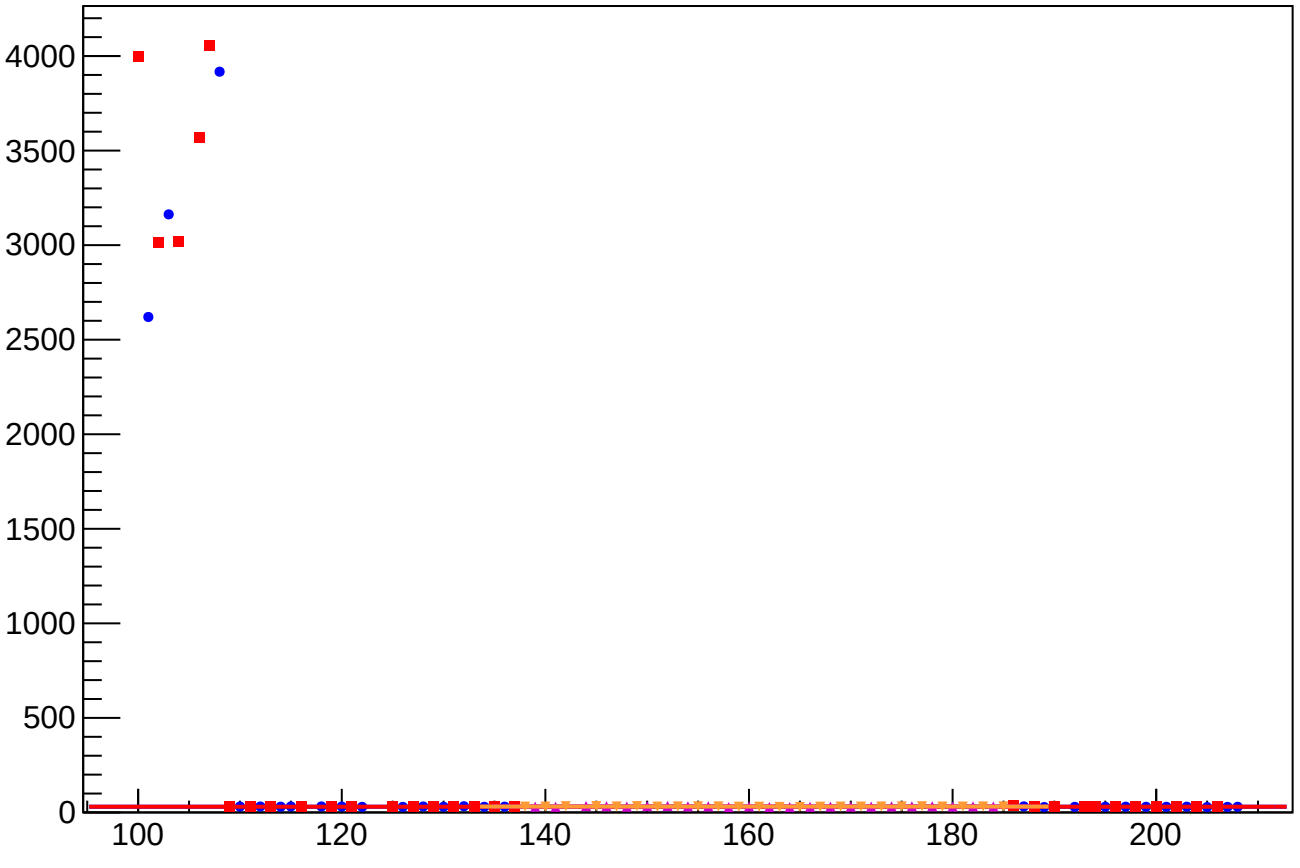
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 4.620+/-5.704 χ^2/NDF: 60.4/55

In: 0.076+/-5.417 χ^2/NDF:58.5/49

Out: -7.493+/-5.411 χ^2/NDF:62.9/52

All: -3.712+/-3.828 χ^2/NDF: 122.4/102



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.340+/-0.006 χ^2/NDF: 3560858.4/28

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

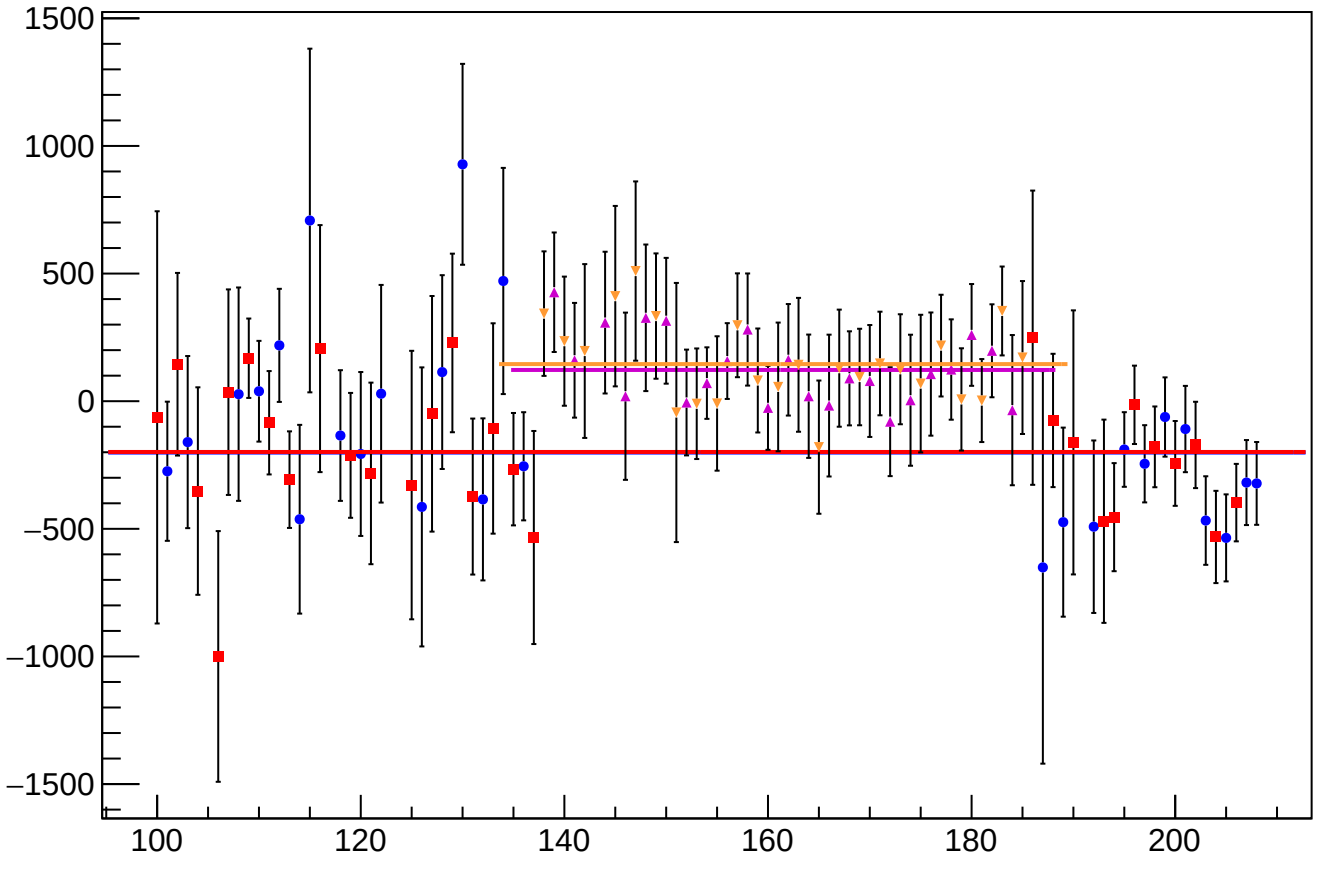
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.264+/-0.004 χ^2/NDF: 6834803.3/55

In: 30.837+/-0.004 χ^2/NDF:3382725.3/49

Out: 30.830+/-0.004 χ^2/NDF:3621384.8/52

All: 30.833+/-0.003 χ^2/NDF: 7004111.7/102



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -198.907+/-45.391 χ^2/NDF: 23.3/28

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

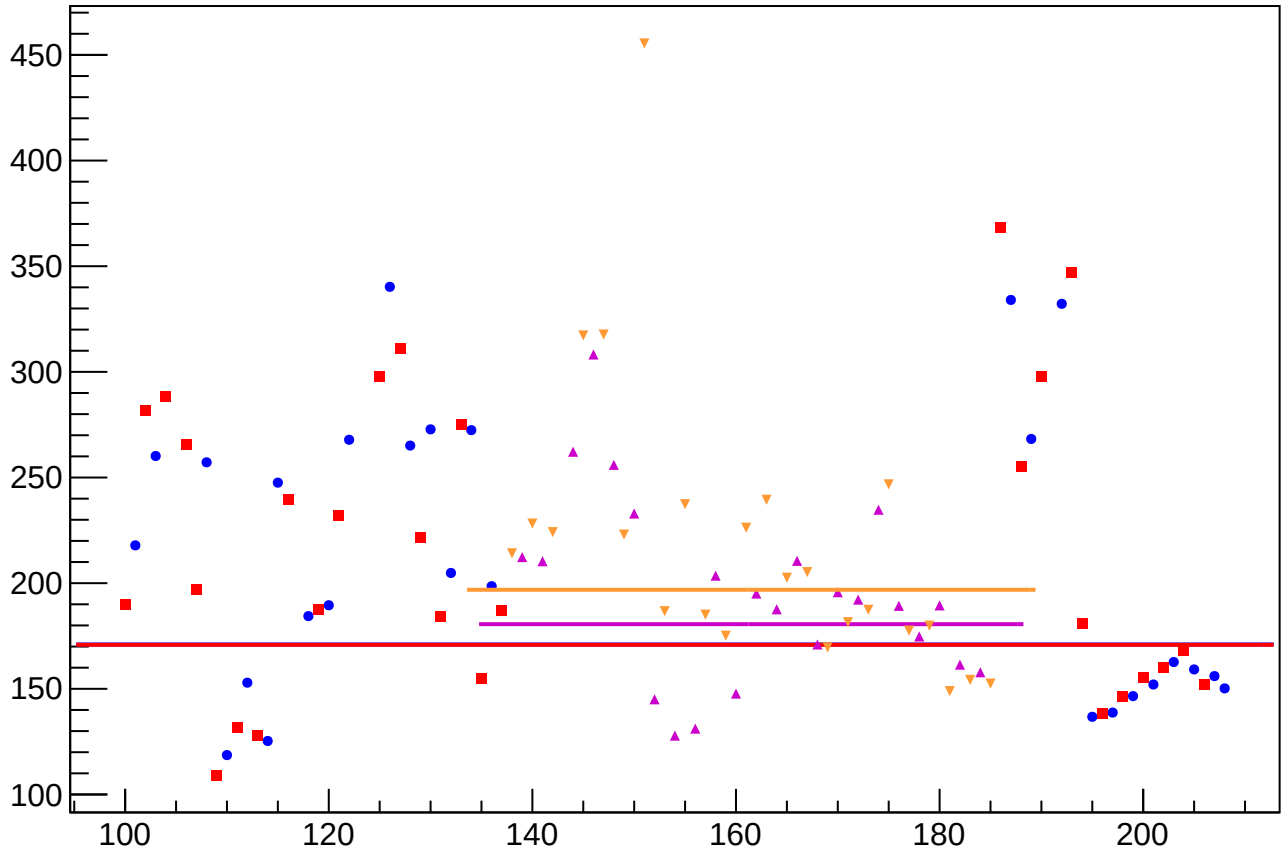
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -200.010+/-31.946 χ^2/NDF: 53.3/55

In: -36.129+/-31.480 χ^2/NDF:64.3/49

Out: -34.212+/-32.780 χ^2/NDF:60.1/52

All: -35.209+/-22.705 χ^2/NDF: 124.4/102



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 170.841+/-0.032 χ^2/NDF: 2690579.4/28

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

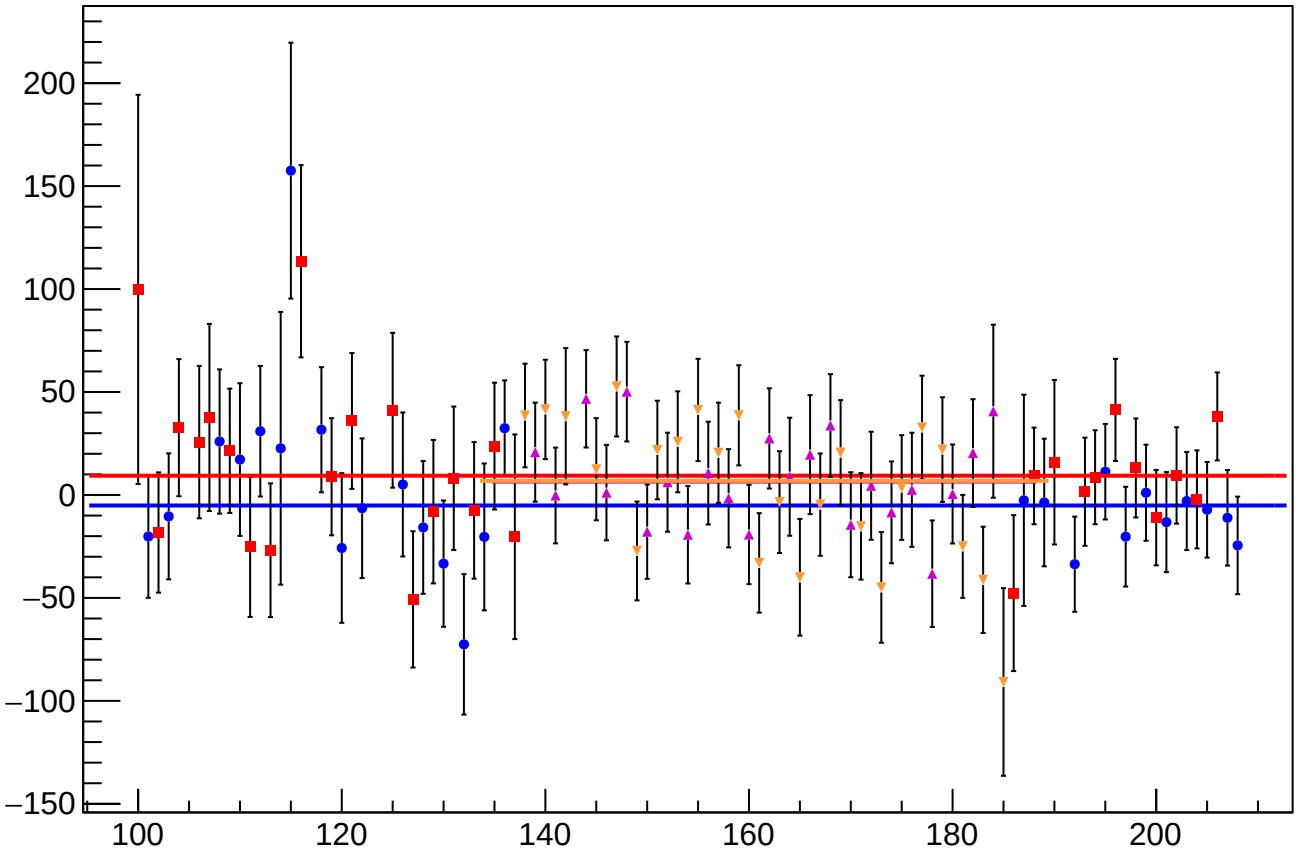
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 170.908+/-0.023 χ^2/NDF: 4932346.6/55

In: 175.884+/-0.022 χ^2/NDF:3916580.9/49

Out: 183.296+/-0.023 χ^2/NDF:4730421.1/52

All: 179.440+/-0.016 χ^2/NDF: 8700206.5/102



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 9.358+/-5.583 χ^2/NDF: 22.9/28

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

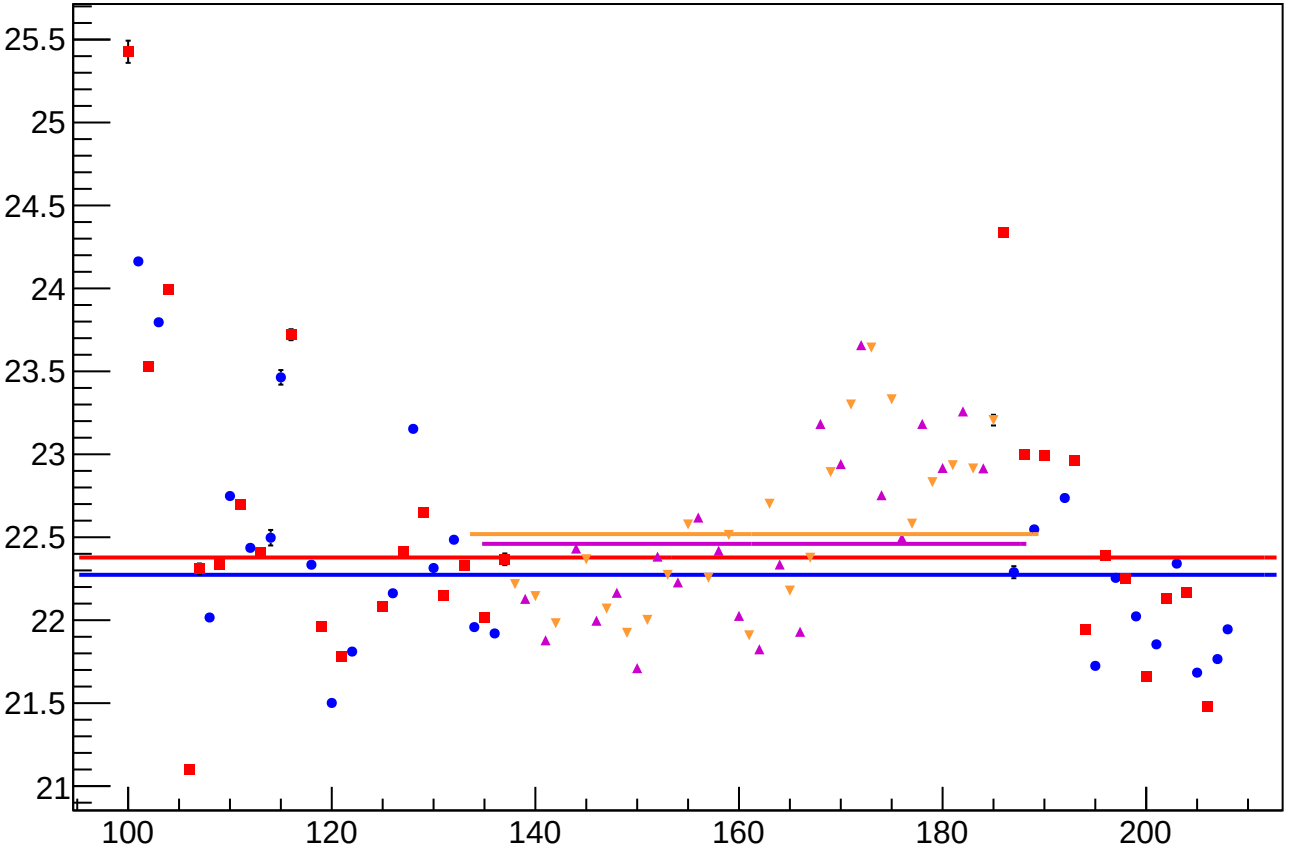
Right: 2.139+/-3.953 χ^2/NDF: 48.9/55

In: 1.057+/-3.828 χ^2/NDF:42.4/49

Out: 8.026+/-3.816 χ^2/NDF:59.9/52

All: 4.552+/-2.703 χ^2/NDF: 103.9/102

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.378+/-0.004 χ^2/NDF: 30661.8/28

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

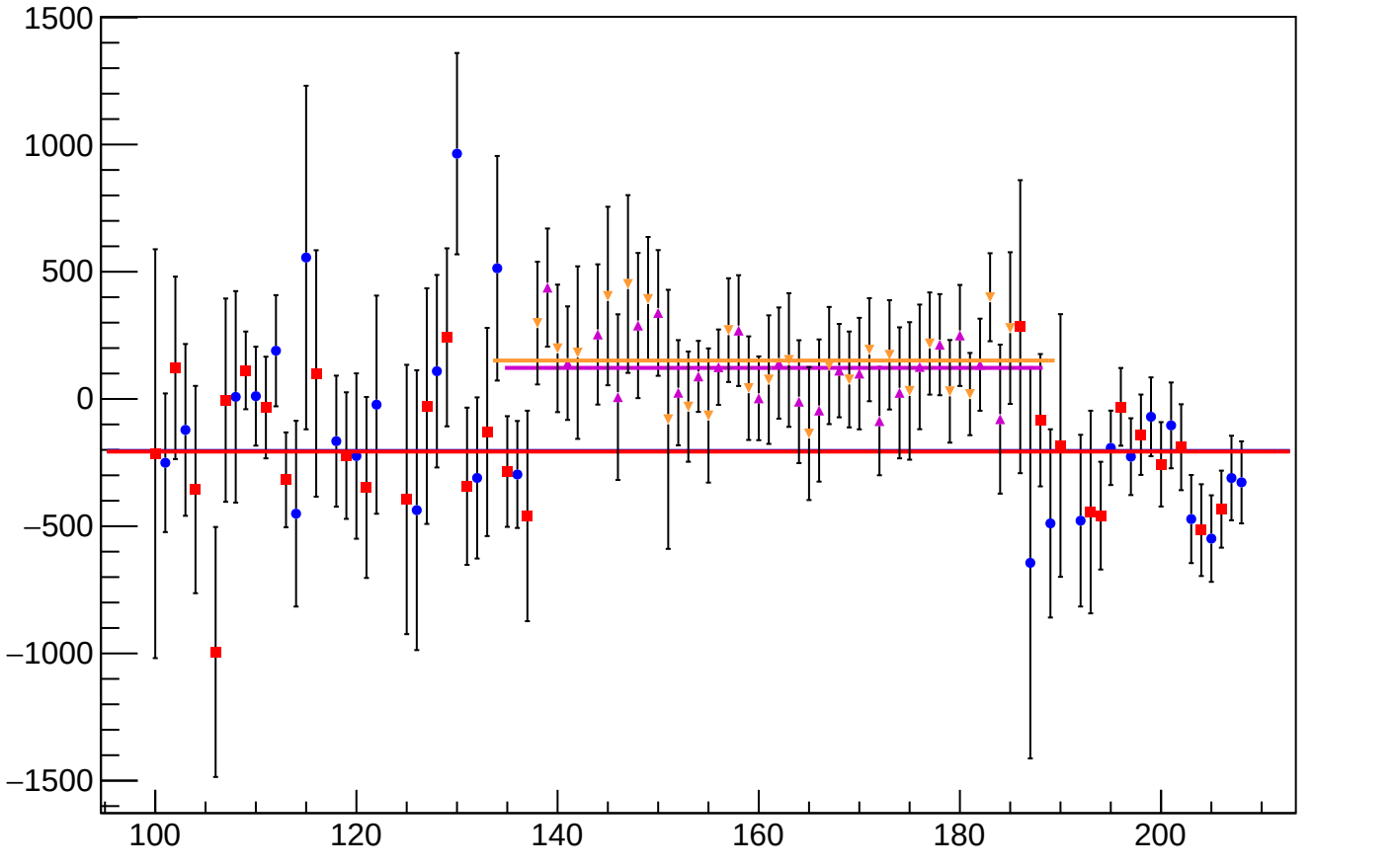
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.326+/-0.003 χ^2/NDF: 54297.3/55

In: 22.373+/-0.003 χ^2/NDF:43588.1/49

Out: 22.453+/-0.003 χ^2/NDF:47340.3/52

All: 22.413+/-0.002 χ^2/NDF: 91367.7/102



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -206.657+/-45.190 χ^2/NDF: 22.0/28

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

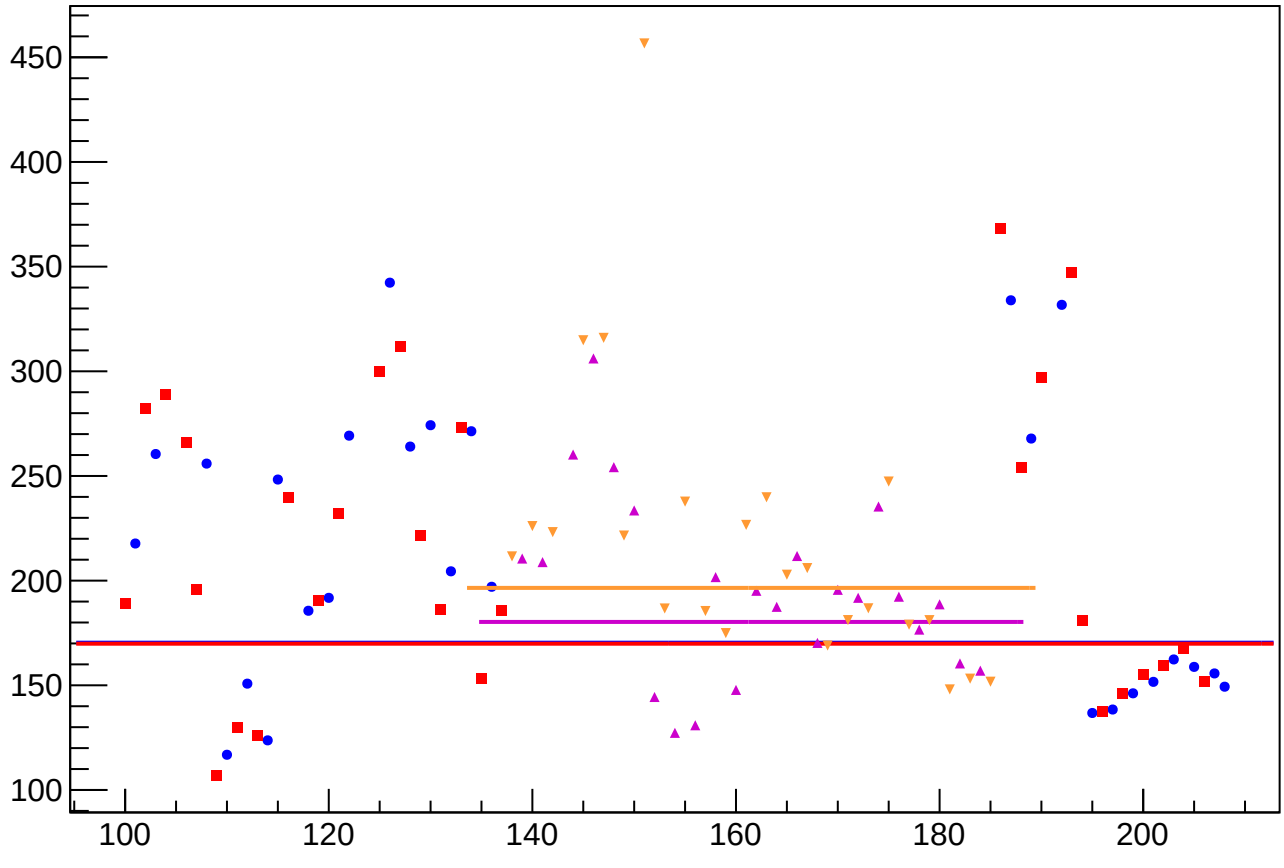
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -205.494+/-31.827 χ^2/NDF: 51.5/55

In: -38.052+/-31.405 χ^2/NDF:64.0/49

Out: -35.991+/-32.680 χ^2/NDF:61.9/52

All: -37.062+/-22.644 χ^2/NDF: 125.8/102



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 169.875+/-0.032 χ^2/NDF: 2759453.1/28

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

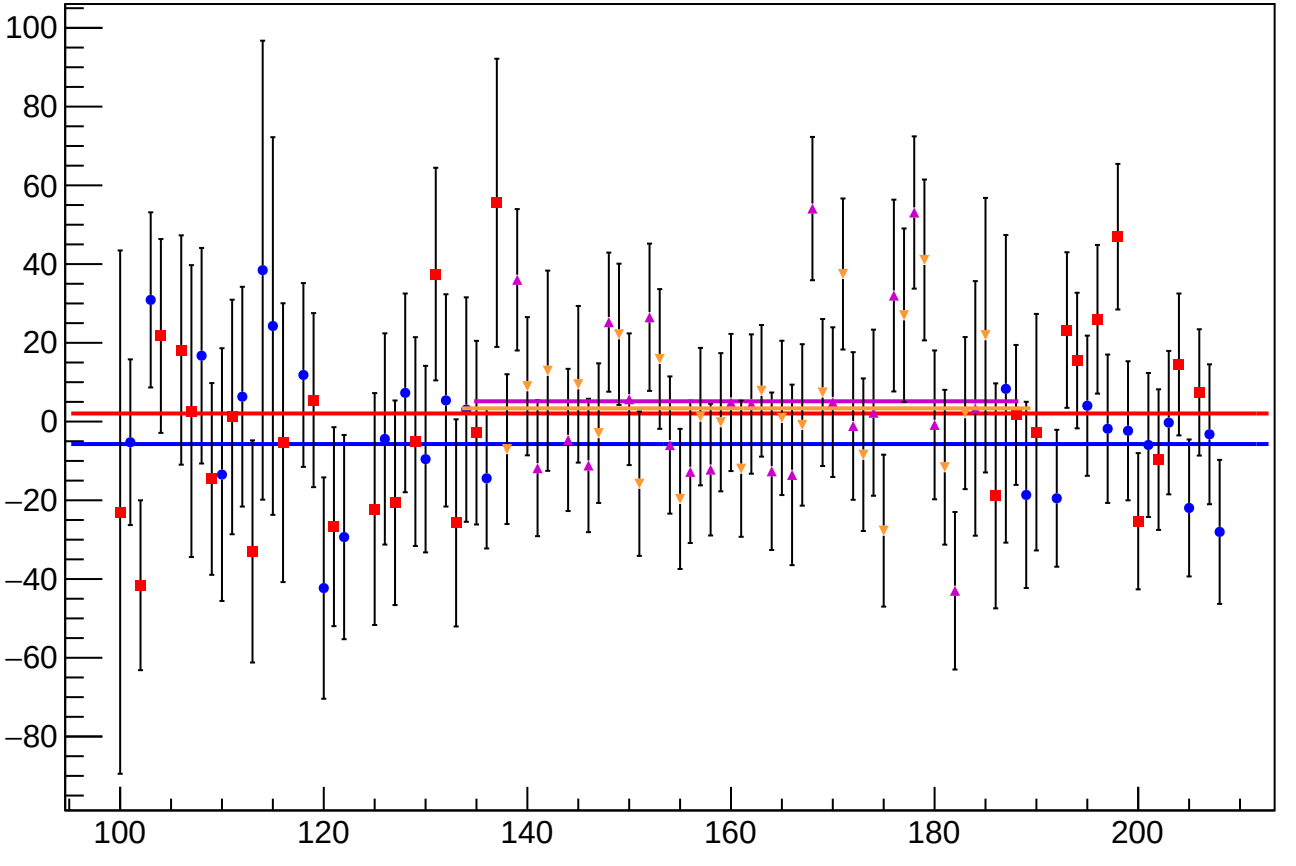
Right: 170.118+/-0.023 χ^2/NDF: 5031788.1/55

In: 175.408+/-0.022 χ^2/NDF:3946740.0/49

Out: 182.592+/-0.023 χ^2/NDF:4819344.5/52

All: 178.857+/-0.016 χ^2/NDF: 8816329.3/102

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 2.055+/-4.285 χ^2/NDF: 28.4/28

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

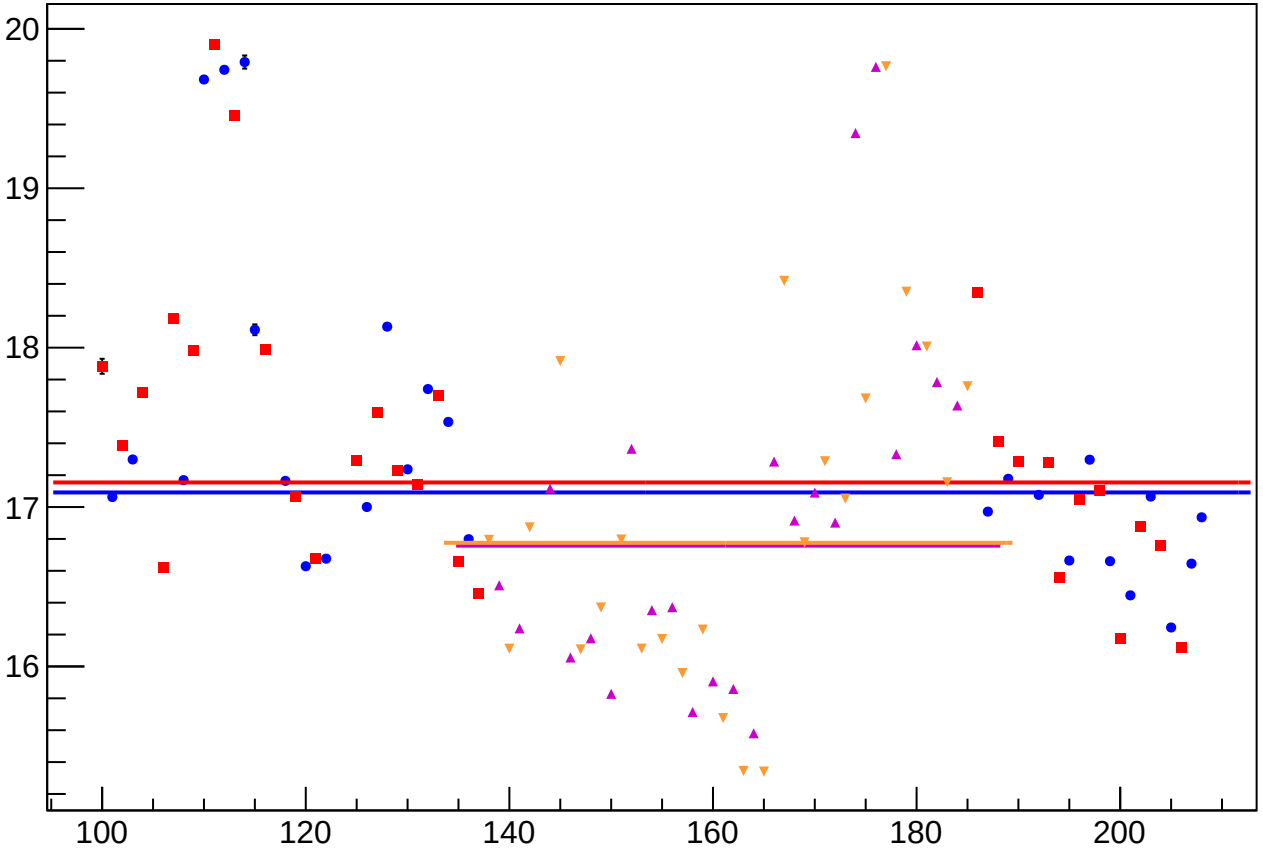
Right: -1.815+/-3.035 χ^2/NDF: 42.4/55

In: 0.215+/-2.899 χ^2/NDF:48.1/49

Out: 2.767+/-2.886 χ^2/NDF:46.2/52

All: 1.497+/-2.045 χ^2/NDF: 94.7/102

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.154+/-0.003 χ^2/NDF: 64025.3/28

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

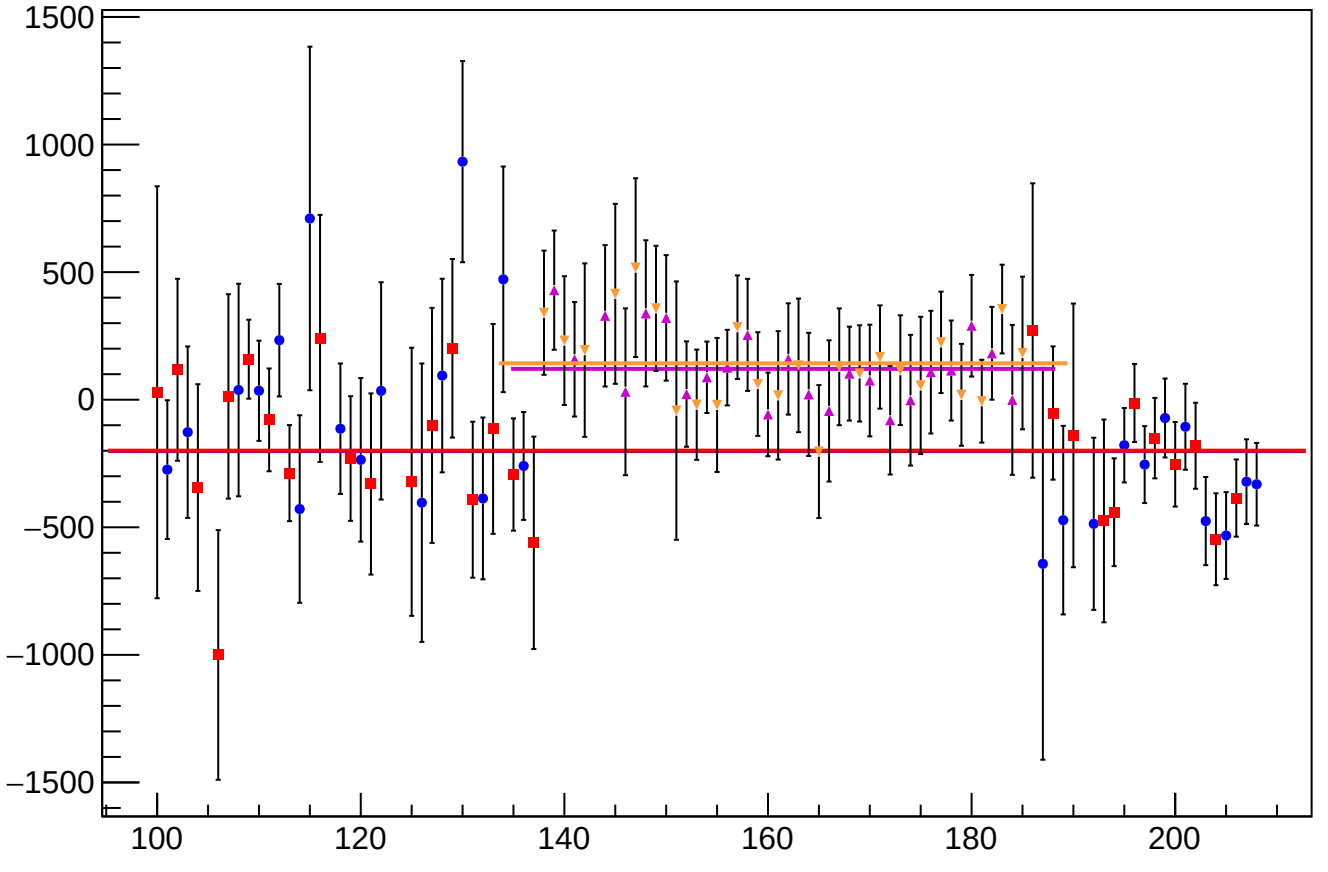
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.123+/-0.002 χ^2/NDF: 118741.1/55

In: 16.909+/-0.002 χ^2/NDF:184388.0/49

Out: 16.948+/-0.002 χ^2/NDF:208701.7/52

All: 16.929+/-0.001 χ^2/NDF: 393262.6/102



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -199.710+/-45.258 χ^2/NDF: 23.4/28

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

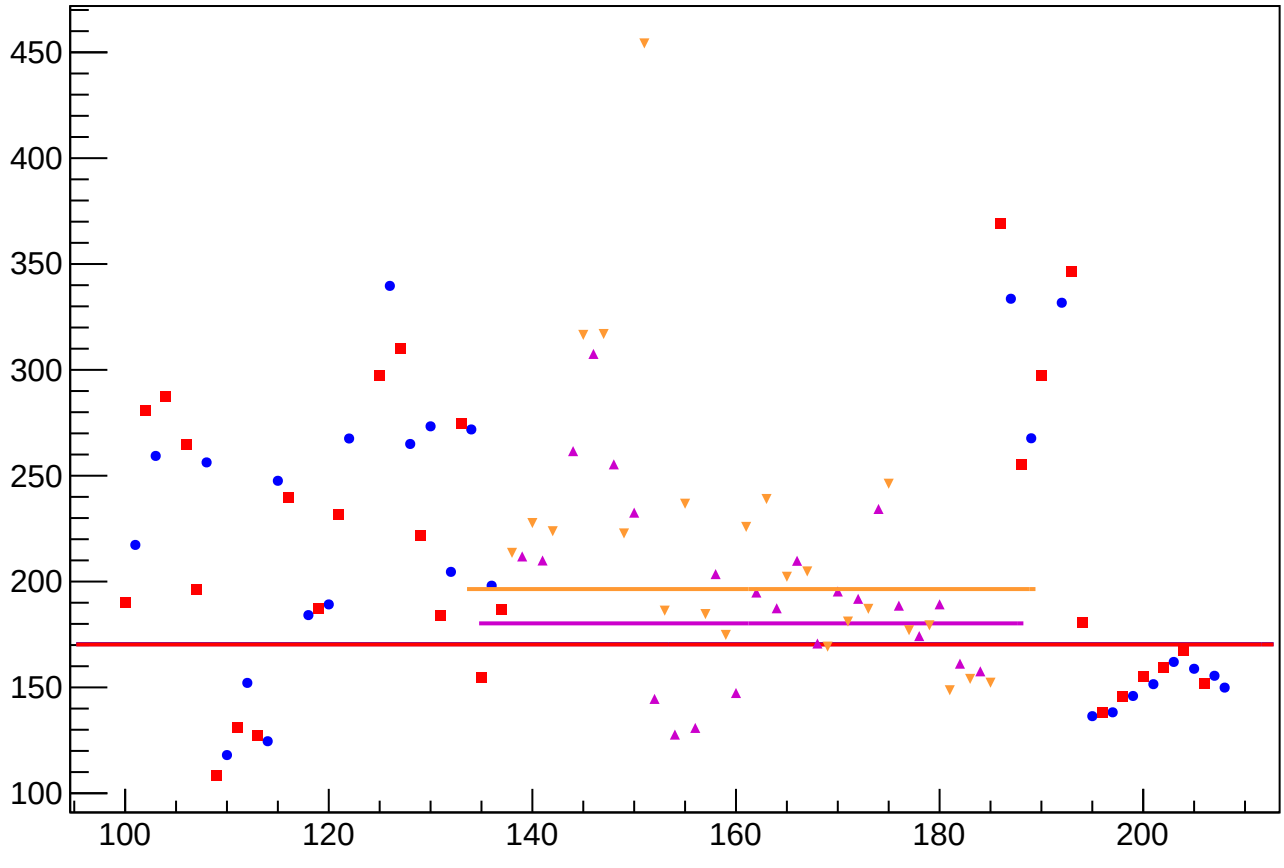
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -200.440+/-31.851 χ^2/NDF: 53.8/55

In: -37.090+/-31.401 χ^2/NDF:64.9/49

Out: -36.014+/-32.696 χ^2/NDF:60.9/52

All: -36.574+/-22.648 χ^2/NDF: 125.8/102



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 170.293+/-0.032 χ^2/NDF: 2707230.1/28

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

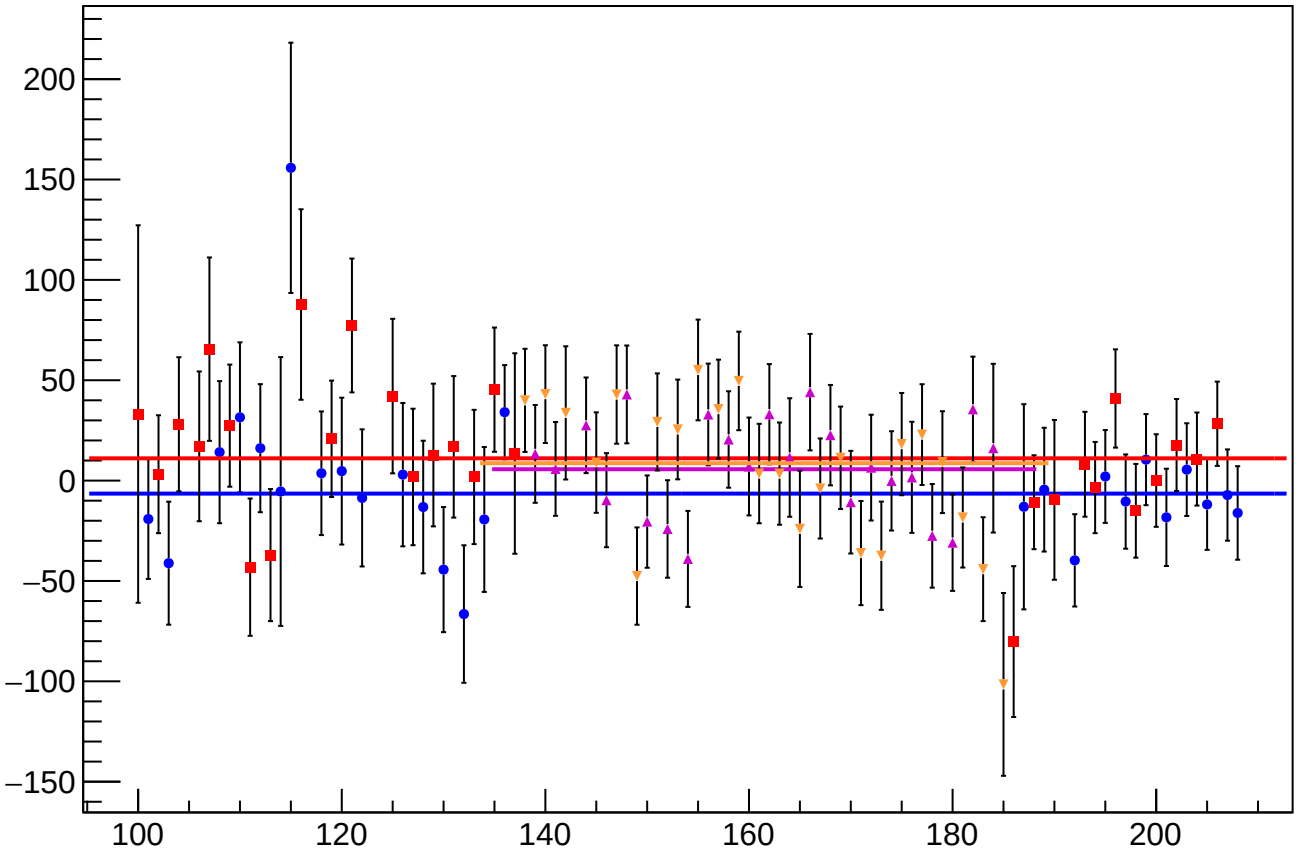
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 170.357+/-0.023 χ^2/NDF: 4961303.4/55

In: 175.427+/-0.022 χ^2/NDF:3930800.7/49

Out: 182.799+/-0.023 χ^2/NDF:4750195.0/52

All: 178.964+/-0.016 χ^2/NDF: 8733885.8/102



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 11.095+/-5.571 χ^2/NDF: 26.7/28

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

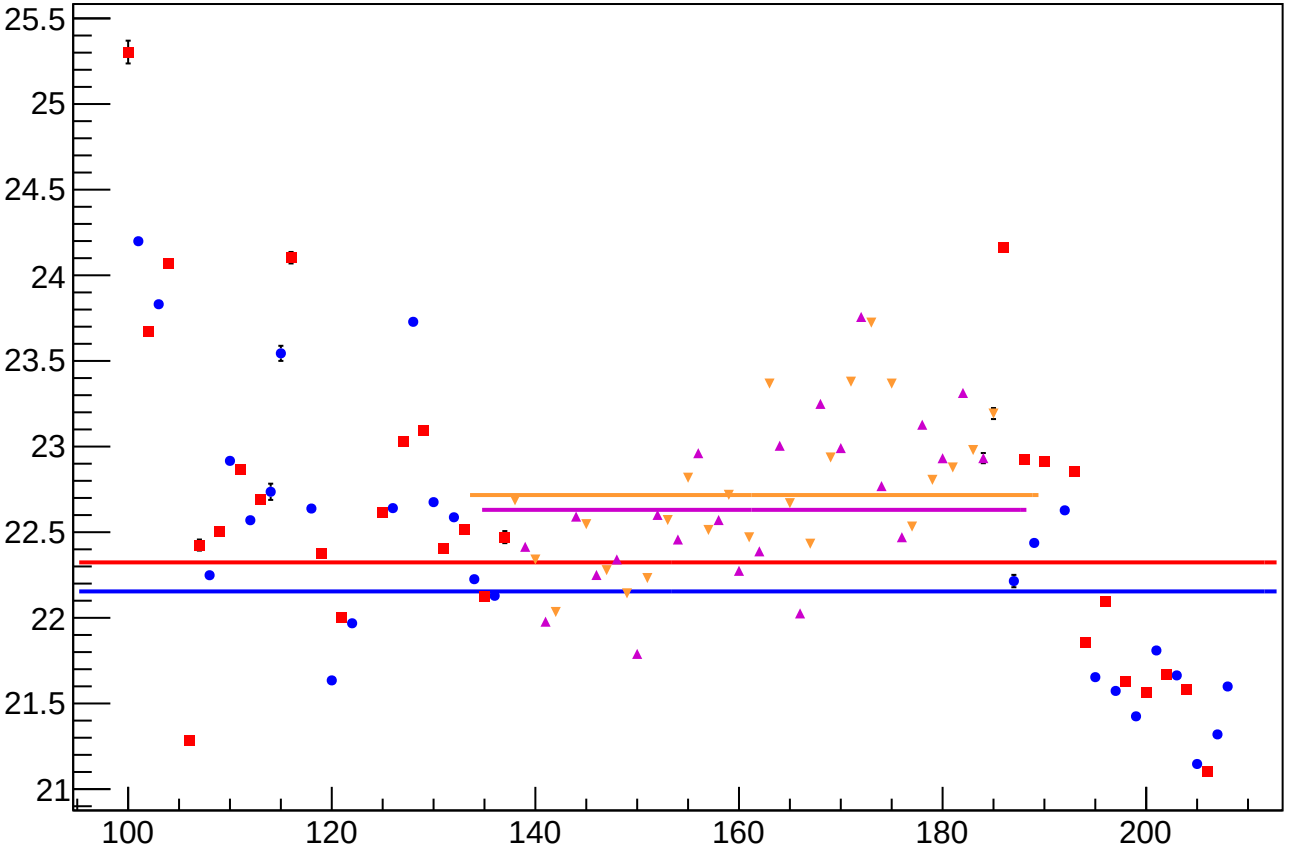
Right: 2.306+/-3.938 χ^2/NDF: 53.3/55

In: -0.089+/-3.834 χ^2/NDF:45.0/49

Out: 9.814+/-3.830 χ^2/NDF:66.0/52

All: 4.867+/-2.710 χ^2/NDF: 114.3/102

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.324+/-0.004 χ^2/NDF: 41898.1/28

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

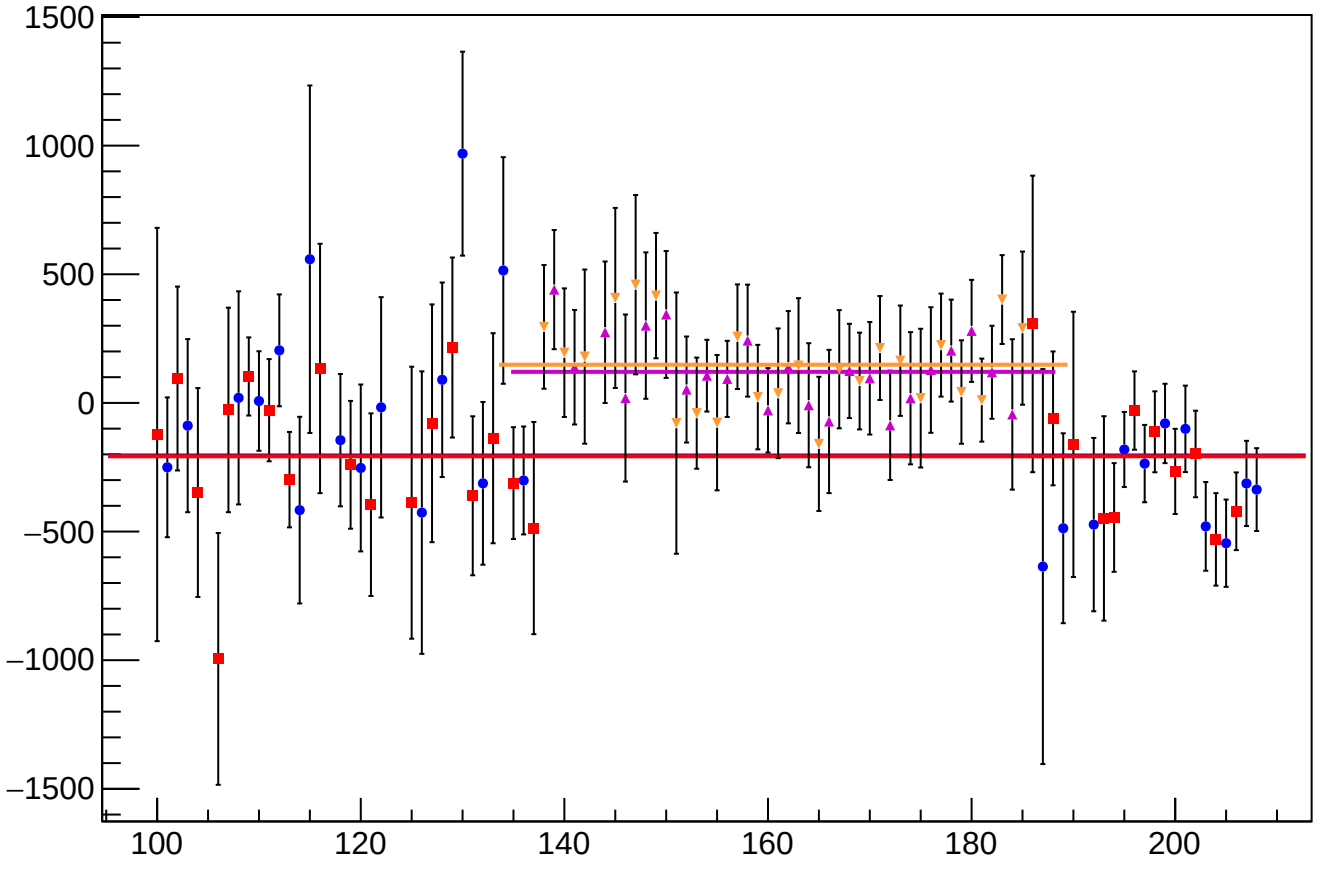
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.239+/-0.003 χ^2/NDF: 81640.9/55

In: 22.405+/-0.003 χ^2/NDF:61903.0/49

Out: 22.531+/-0.003 χ^2/NDF:59330.2/52

All: 22.468+/-0.002 χ^2/NDF: 122319.1/102



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -207.441+/-45.056 χ^2/NDF: 22.1/28

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

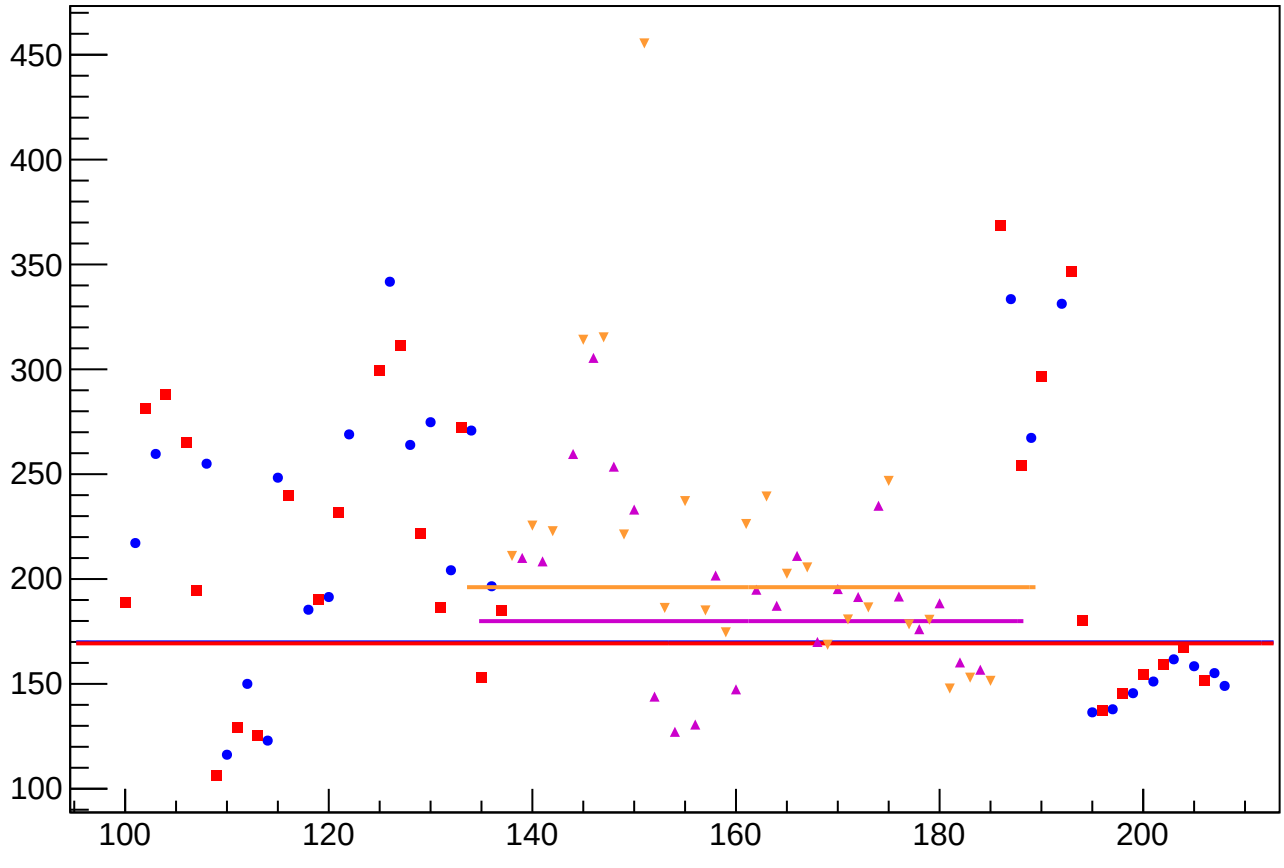
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -205.902+/-31.731 χ^2/NDF: 52.1/55

In: -38.968+/-31.327 χ^2/NDF:64.7/49

Out: -37.825+/-32.595 χ^2/NDF:62.8/52

All: -38.419+/-22.587 χ^2/NDF: 127.5/102



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 169.320+/-0.032 χ^2/NDF: 2776962.4/28

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

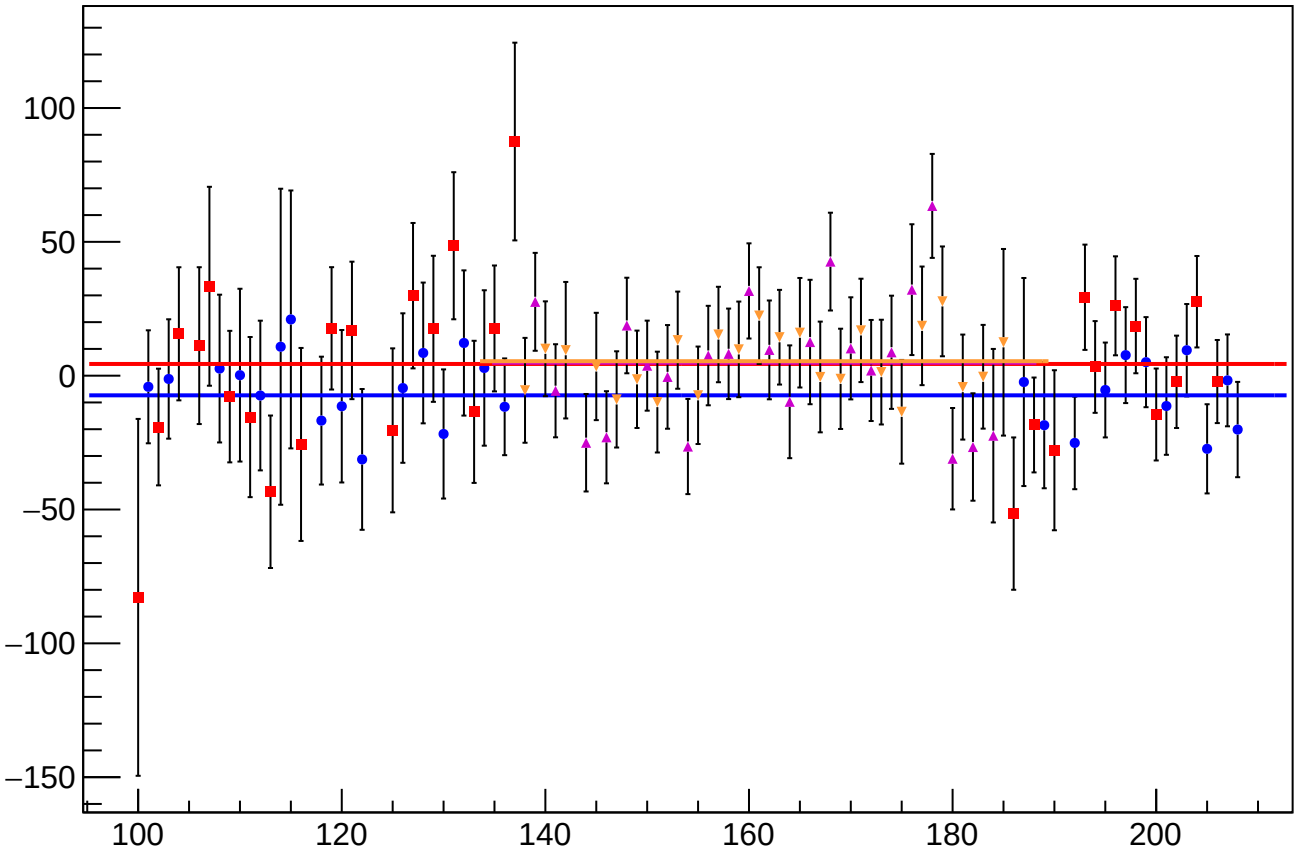
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 169.562+/-0.022 χ^2/NDF: 5062086.7/55

In: 174.950+/-0.022 χ^2/NDF:3961361.7/49

Out: 182.090+/-0.023 χ^2/NDF:4840324.2/52

All: 178.378+/-0.016 χ^2/NDF: 8851573.7/102



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 4.377+/-4.261 χ^2/NDF: 32.4/28

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

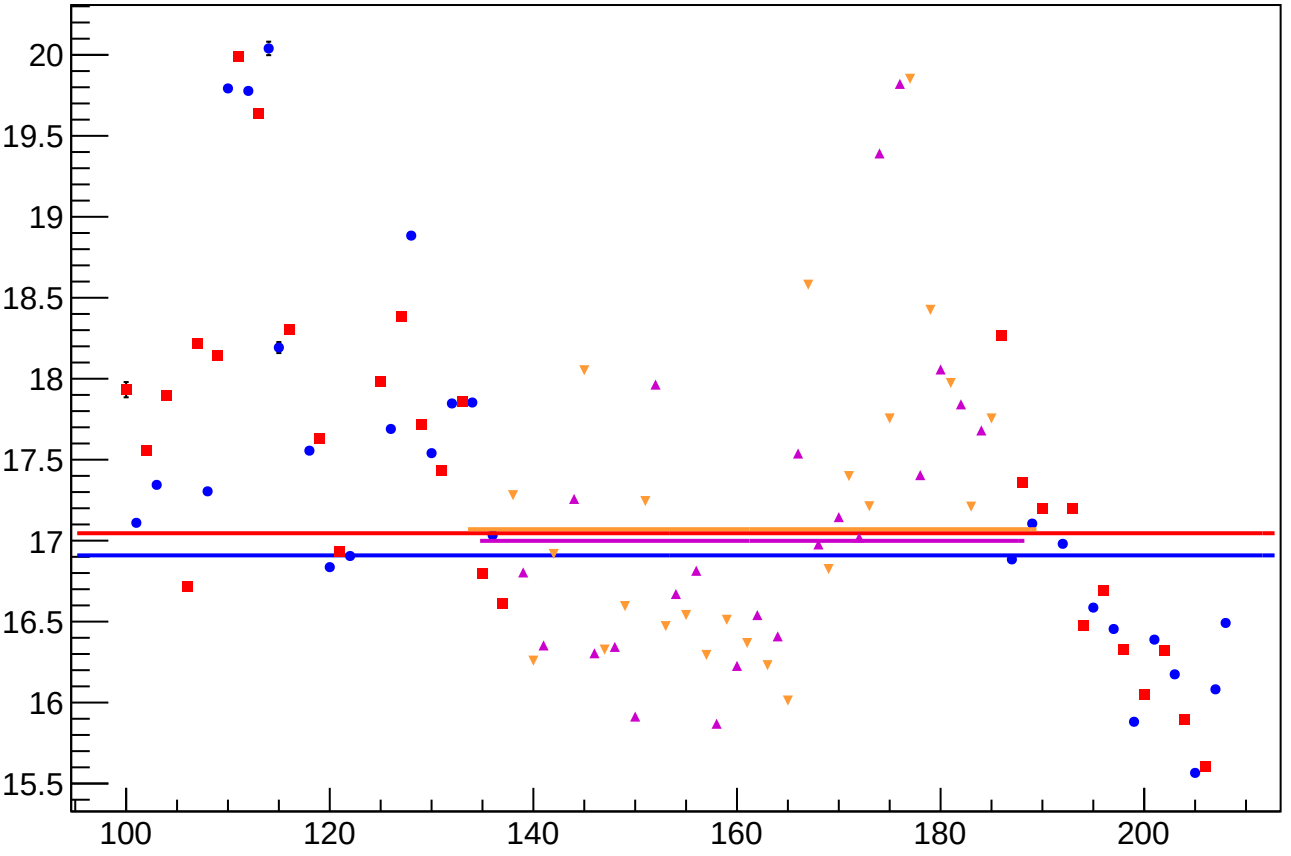
Right: -1.487+/-3.012 χ^2/NDF: 45.0/55

In: -0.832+/-2.908 χ^2/NDF:48.7/49

Out: 4.927+/-2.905 χ^2/NDF:40.2/52

All: 2.050+/-2.055 χ^2/NDF: 90.9/102

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.046+/-0.003 χ^2/NDF: 107764.9/28

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

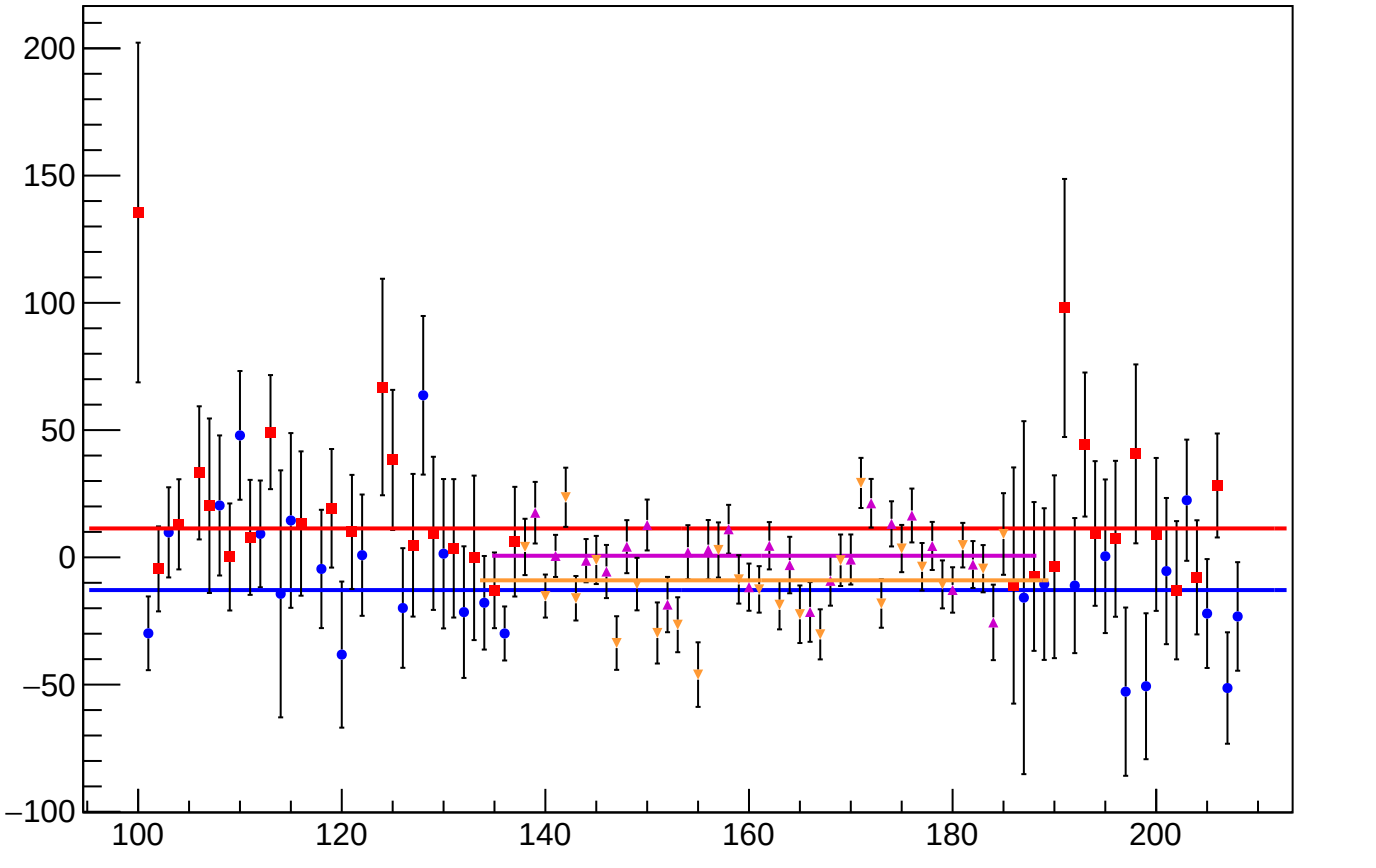
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

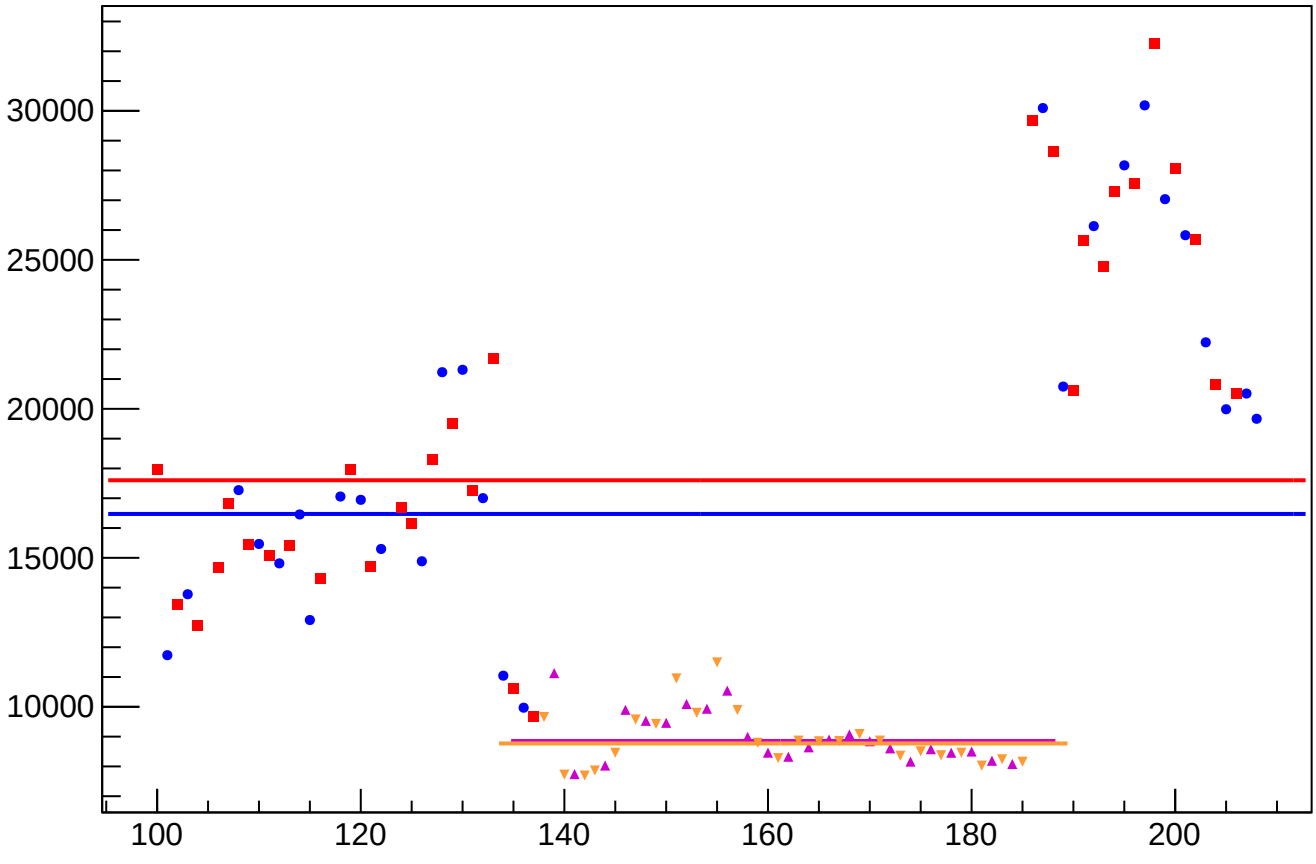
Right: 16.977+/-0.002 χ^2/NDF: 208086.3/55

In: 16.957+/-0.002 χ^2/NDF:203784.8/49

Out: 17.059+/-0.002 χ^2/NDF:204114.1/52

All: 17.008+/-0.001 χ^2/NDF: 409136.6/102


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -12.856+/-4.387 χ²/NDF: 31.5/26
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 11.362+/-4.572 χ²/NDF: 22.1/30
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -1.247+/-3.165 χ²/NDF: 68.3/57
In: -1.846+/-1.879 χ²/NDF:68.8/49
Out: -5.734+/-1.837 χ²/NDF:100.8/55
All: -3.834+/-1.314 χ²/NDF: 171.7/105



Right In: 16472.560+/-3.102 χ^2/NDF: 3137278.2/26

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17602.985+/-3.233 χ^2/NDF: 3092772.7/30

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

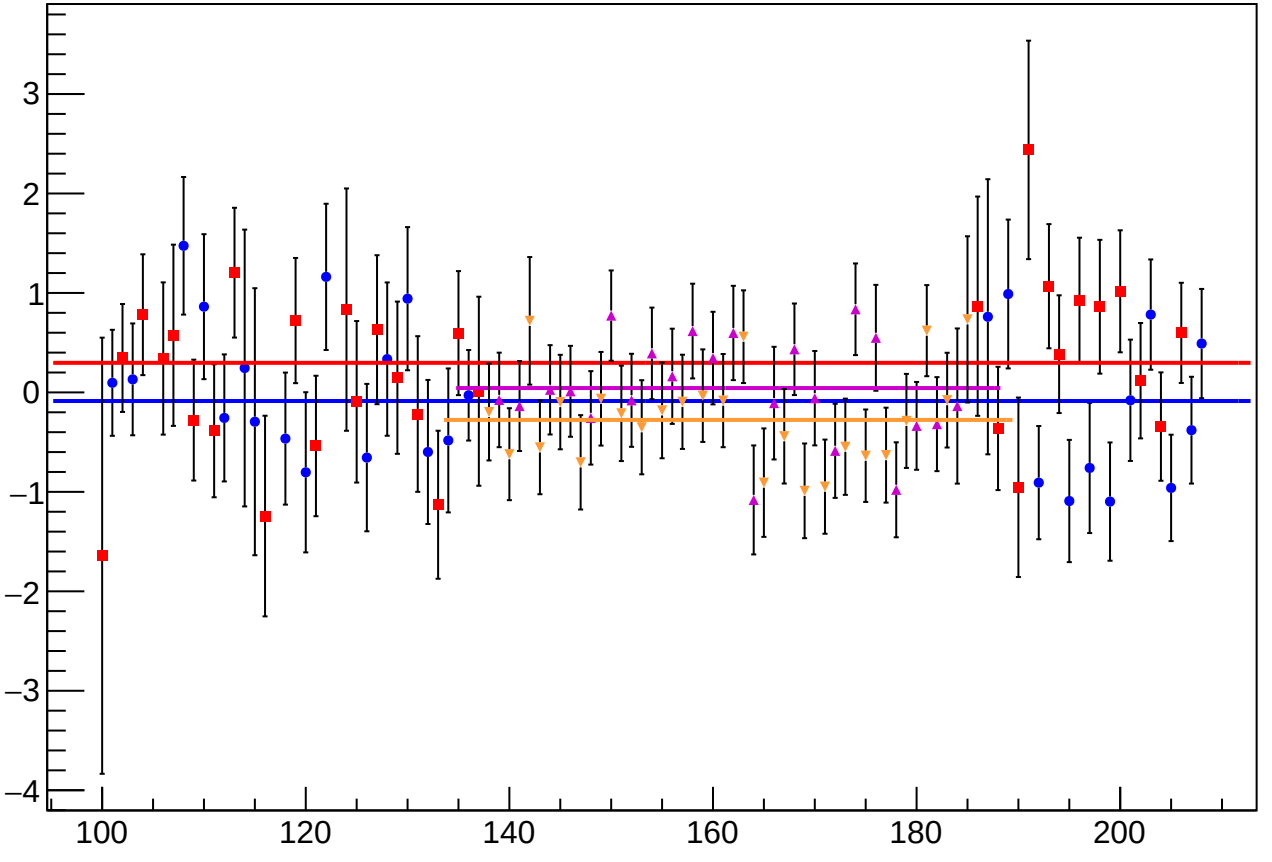
Right: 17014.432+/-2.238 χ^2/NDF: 6293718.8/57

In: 10250.763+/-1.329 χ^2/NDF:8364772.5/49

Out: 10196.927+/-1.299 χ^2/NDF:9697906.7/55

All: 10223.243+/-0.929 χ^2/NDF: 18063518.6

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.087+/-0.126 χ^2/NDF: 32.6/26

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.297+/-0.126 χ^2/NDF: 28.3/30

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

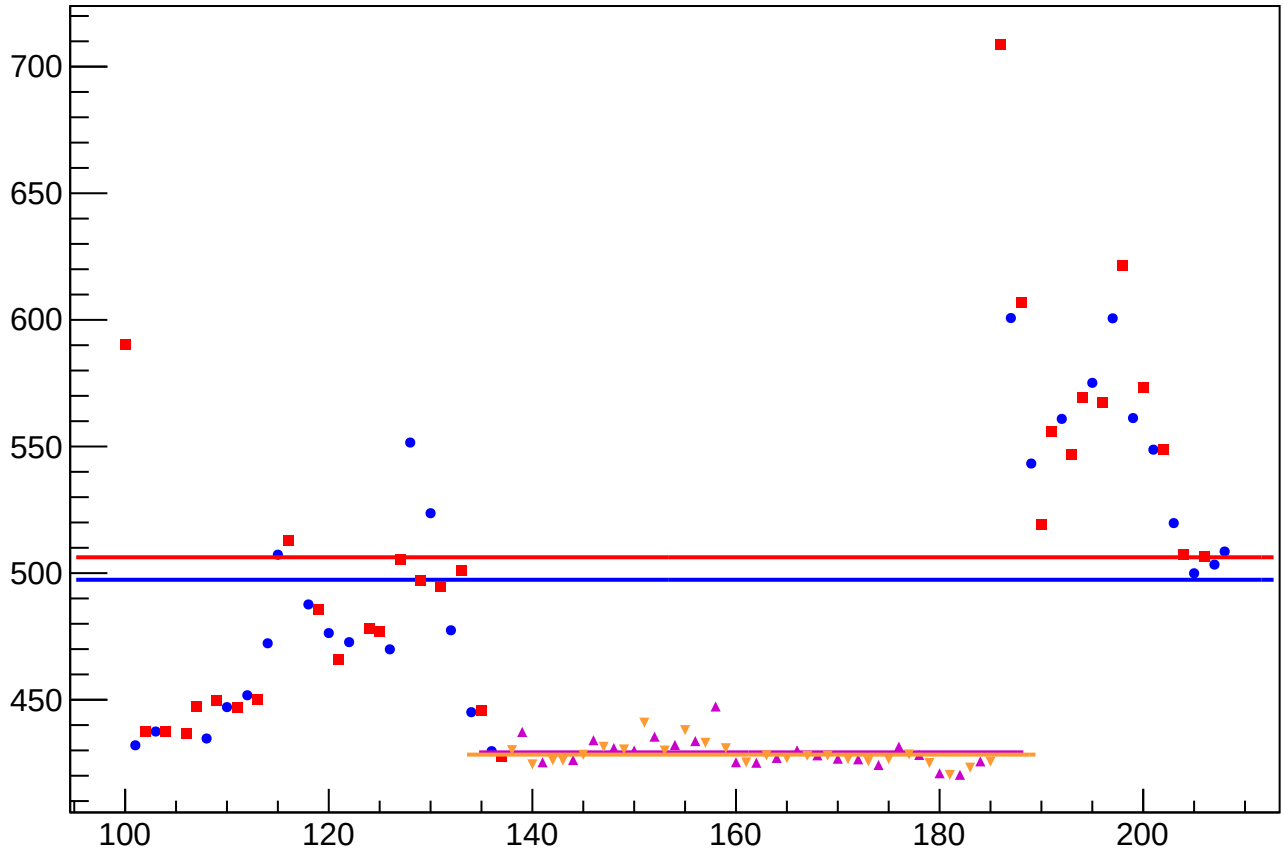
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.106+/-0.089 χ^2/NDF: 65.6/57

In: -0.007+/-0.078 χ^2/NDF:57.1/49

Out: -0.061+/-0.077 χ^2/NDF:62.4/55

All: -0.035+/-0.055 χ^2/NDF: 119.7/105



Right In: 497.377+/-0.089 χ^2/NDF: 332129.3/26

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.256+/-0.089 χ^2/NDF: 447025.0/30

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

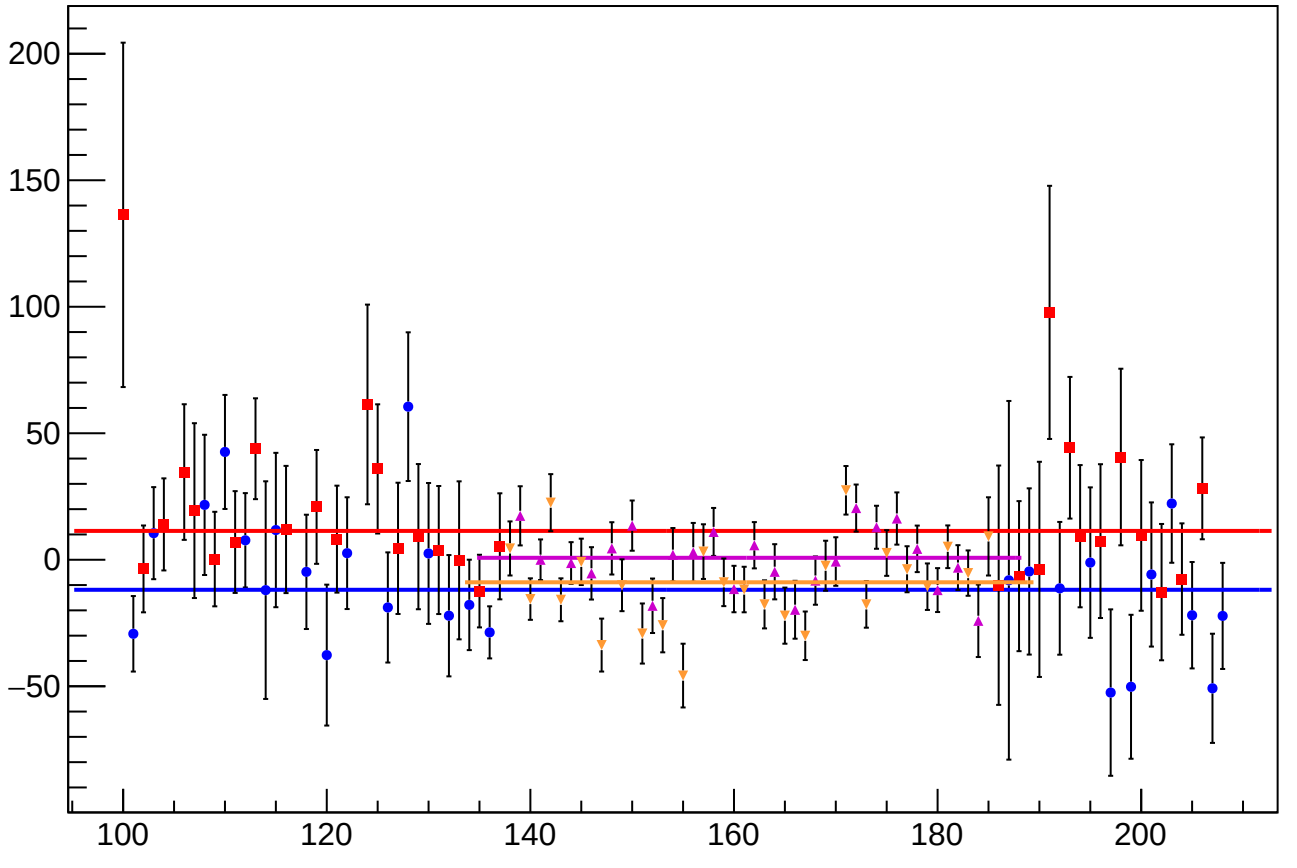
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 501.819+/-0.063 χ^2/NDF: 784151.0/57

In: 455.730+/-0.055 χ^2/NDF:698430.2/49

Out: 457.573+/-0.054 χ^2/NDF:932103.9/55

All: 456.669+/-0.039 χ^2/NDF: 1631097.2/105



Right In: -11.869+/-4.262 χ^2/NDF: 32.1/26

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 11.401+/-4.423 χ^2/NDF: 21.9/30

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

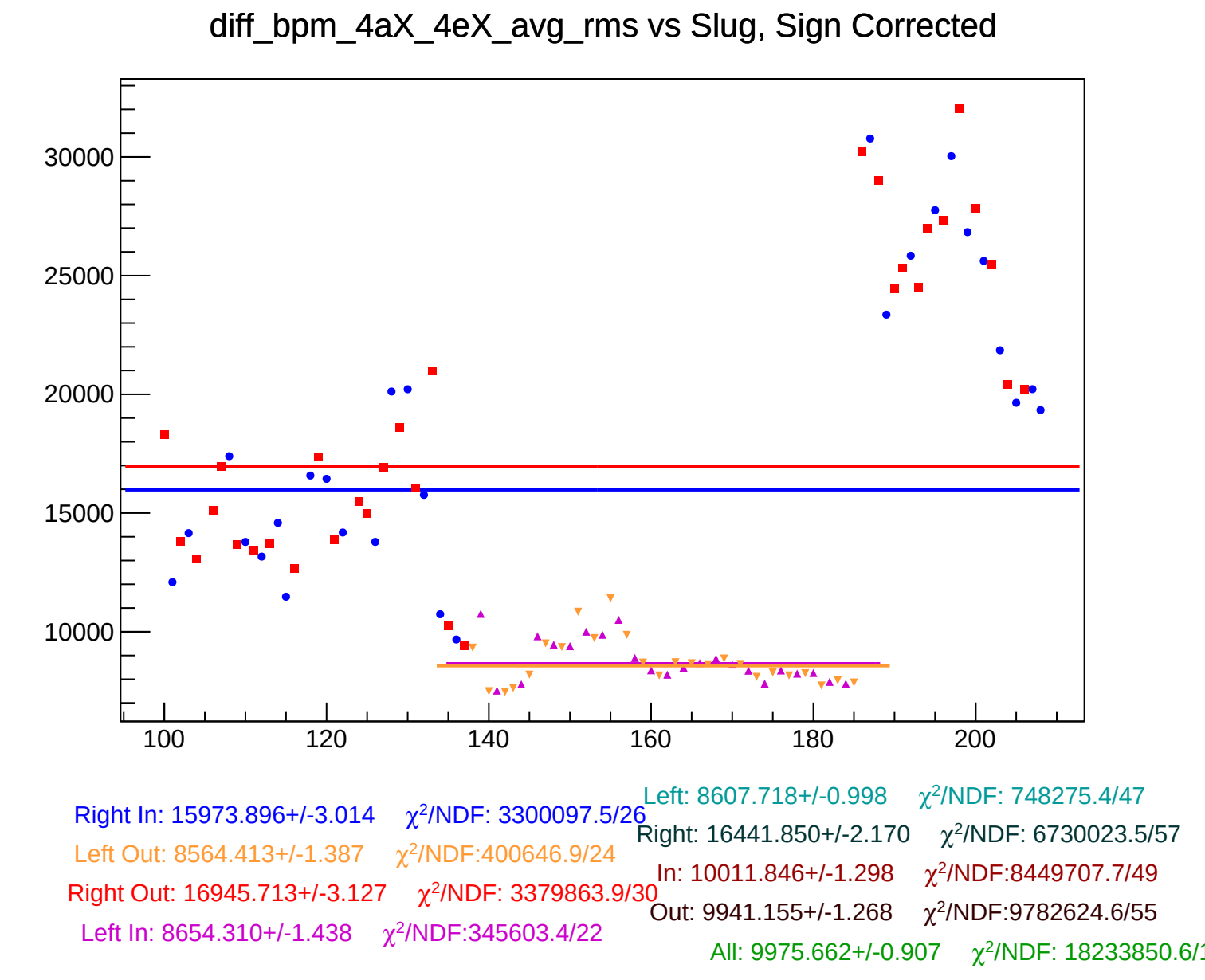
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

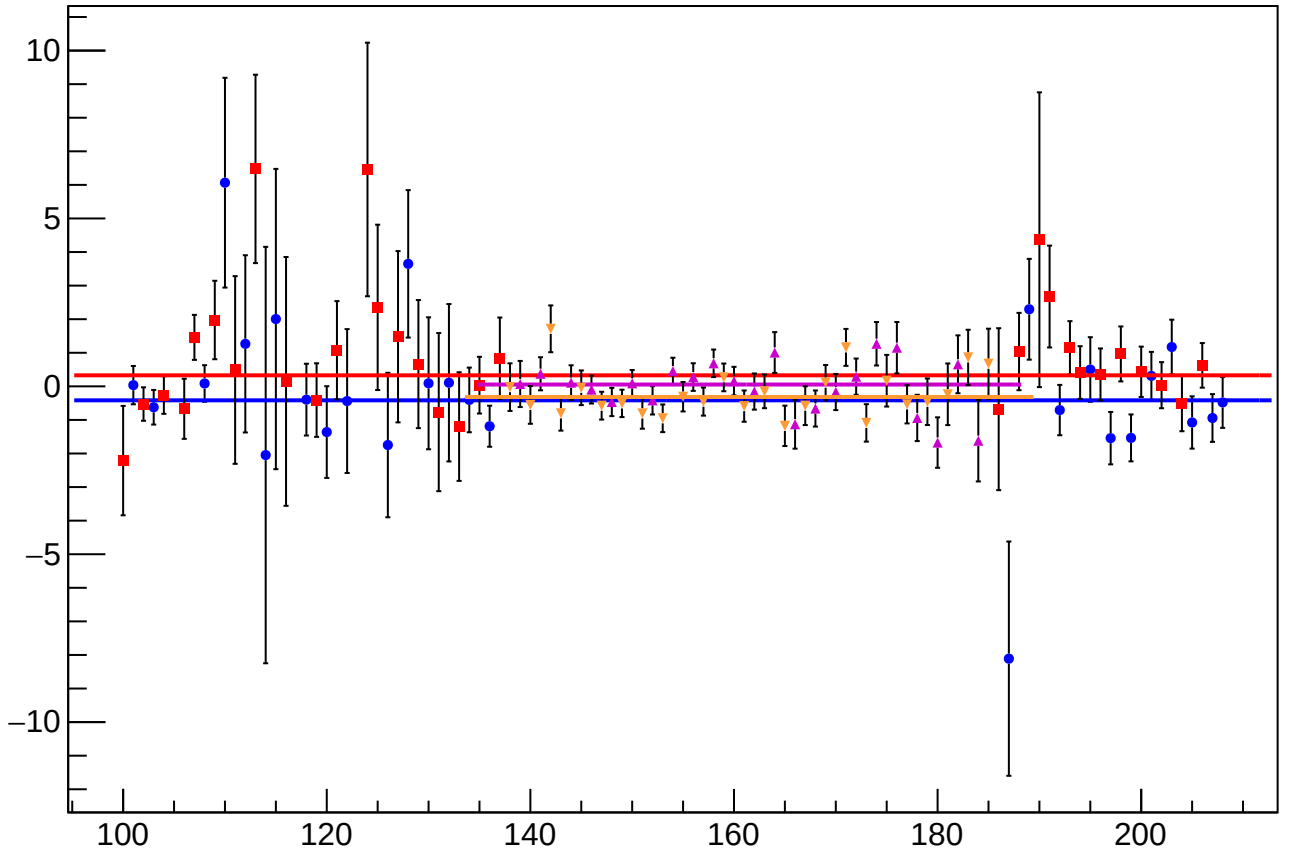
Right: -0.664+/-3.069 χ^2/NDF: 68.4/57

In: -1.572+/-1.836 χ^2/NDF:68.6/49

Out: -5.569+/-1.793 χ^2/NDF:101.1/55

All: -3.618+/-1.282 χ^2/NDF: 172.1/105


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15973.896+/-3.014 χ²/NDF: 3300097.5/26
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16945.713+/-3.127 χ²/NDF: 3379863.9/30
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16441.850+/-2.170 χ²/NDF: 6730023.5/57
In: 10011.846+/-1.298 χ²/NDF:8449707.7/49
Out: 9941.155+/-1.268 χ²/NDF:9782624.6/55
All: 9975.662+/-0.907 χ²/NDF: 18233850.6/



Right In: -0.416+/-0.175 χ^2/NDF: 32.7/26

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.328+/-0.176 χ^2/NDF: 29.9/30

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

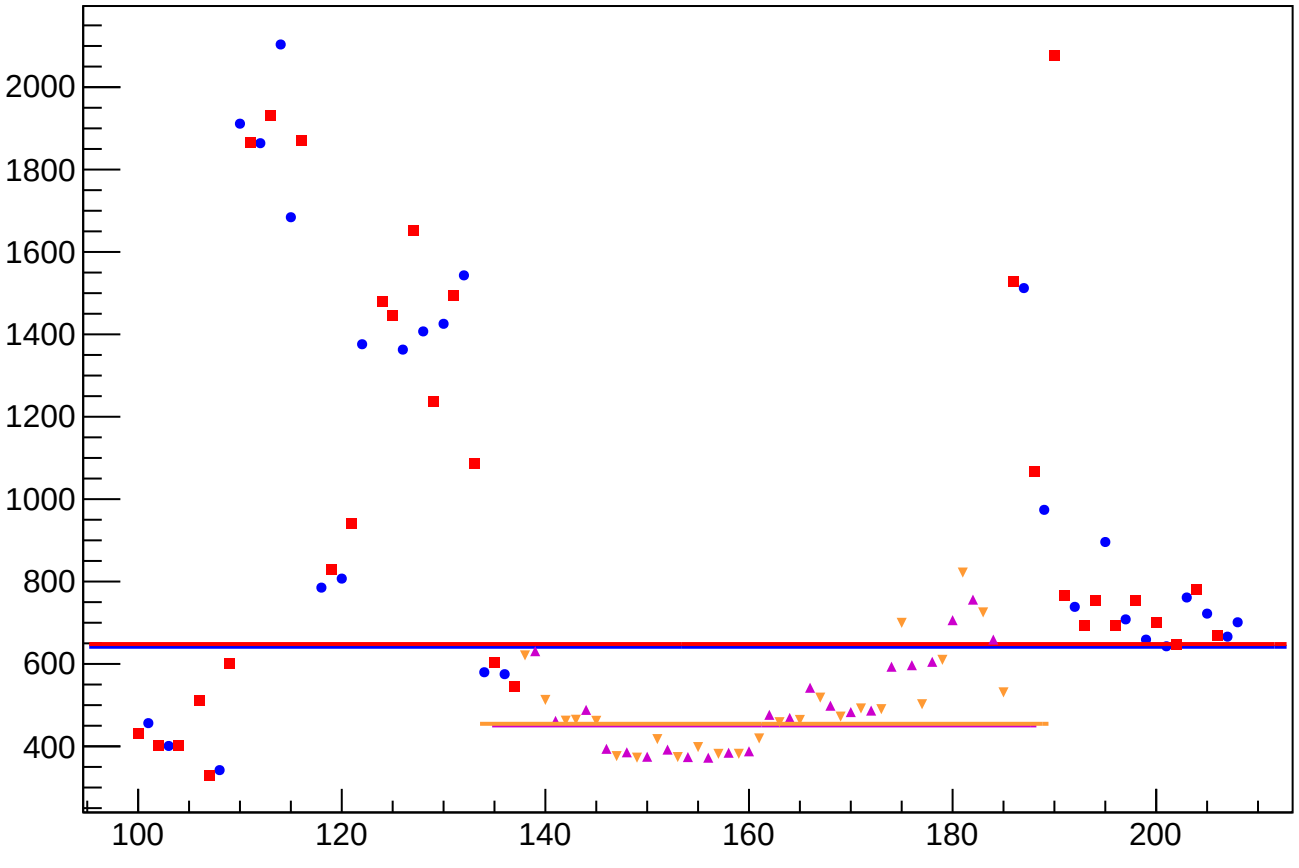
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.047+/-0.124 χ^2/NDF: 71.5/57

In: -0.076+/-0.092 χ^2/NDF:67.7/49

Out: -0.146+/-0.091 χ^2/NDF:72.0/55

All: -0.112+/-0.065 χ^2/NDF: 140.0/105



Right In: 641.705+/-0.124 χ^2/NDF: 4135792.2/26

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 648.277+/-0.125 χ^2/NDF: 4700062.7/30

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

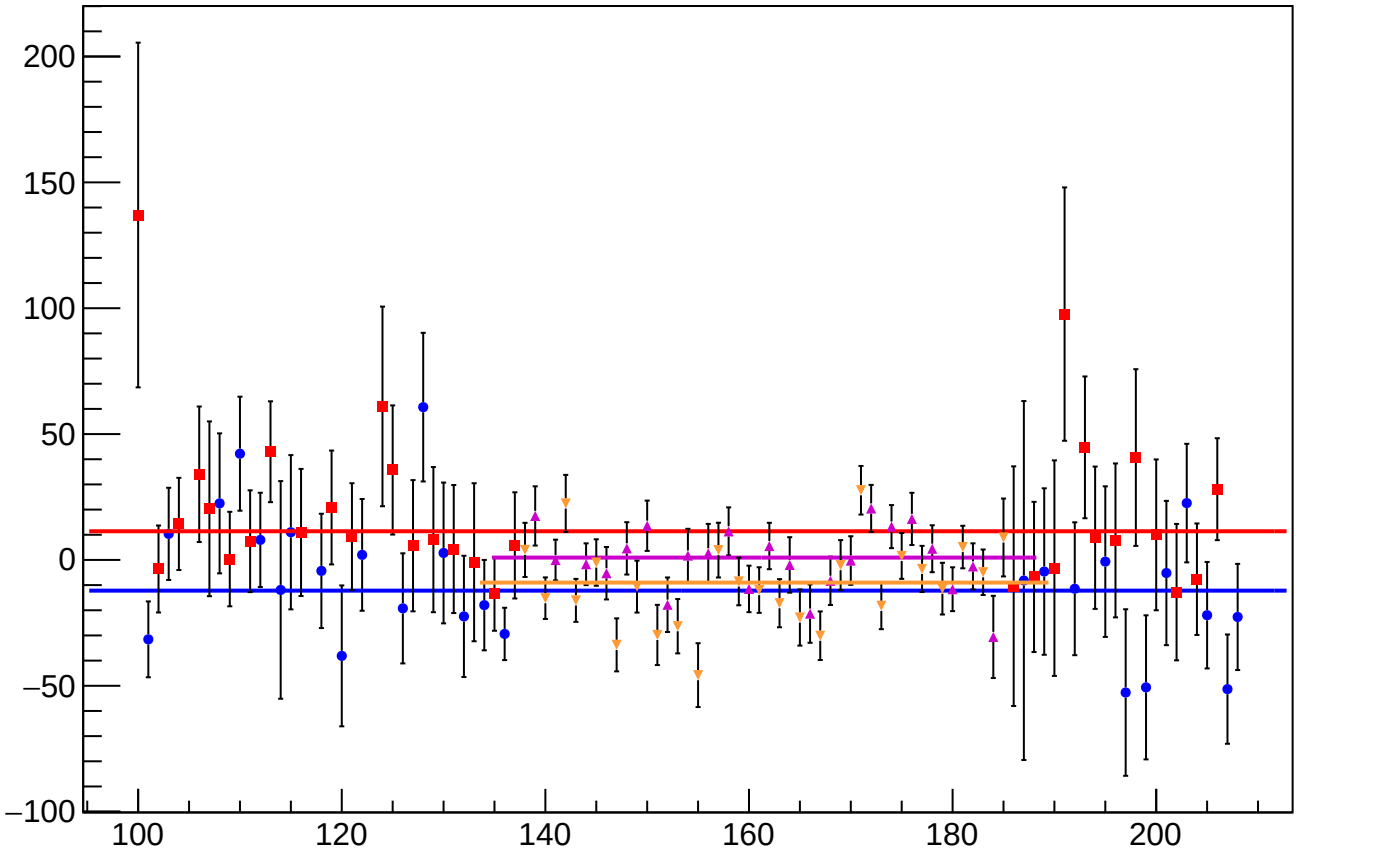
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

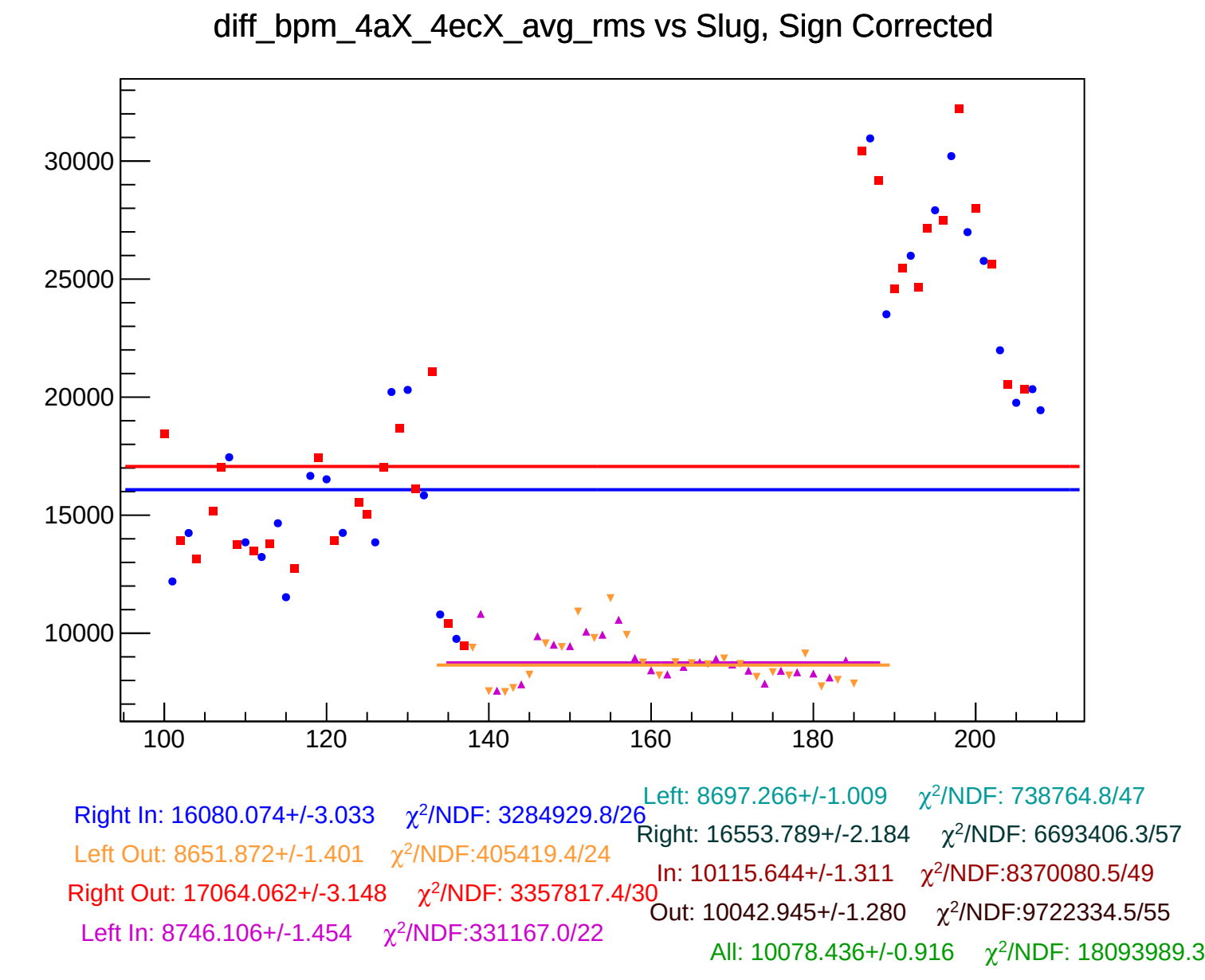
Right: 644.962+/-0.088 χ^2/NDF: 8837254.4/57

In: 503.577+/-0.065 χ^2/NDF:7331879.7/49

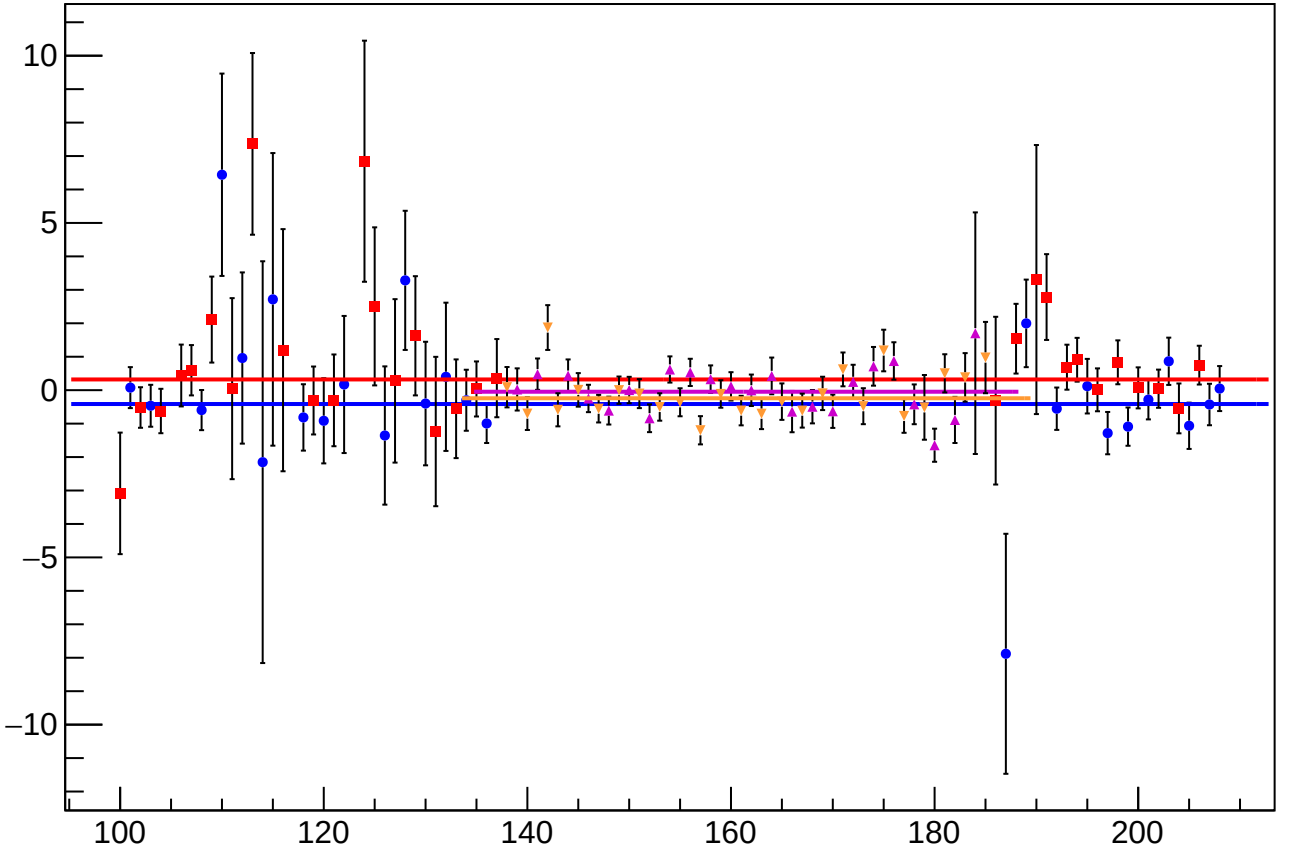
Out: 506.029+/-0.064 χ^2/NDF:7920987.2/55

All: 504.818+/-0.046 χ^2/NDF: 15253586.9/10


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -12.198+/-4.290 χ²/NDF: 32.6/26
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 11.392+/-4.452 χ²/NDF: 21.7/30
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: -0.841+/-3.089 χ²/NDF: 68.8/57
In: -1.525+/-1.854 χ²/NDF:70.0/49
Out: -5.628+/-1.811 χ²/NDF:100.5/55
All: -3.625+/-1.295 χ²/NDF: 173.0/105


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16080.074+/-3.033 χ²/NDF: 3284929.8/26
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17064.062+/-3.148 χ²/NDF: 3357817.4/30
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 16553.789+/-2.184 χ²/NDF: 6693406.3/57
In: 10115.644+/-1.311 χ²/NDF:8370080.5/49
Out: 10042.945+/-1.280 χ²/NDF:9722334.5/55
All: 10078.436+/-0.916 χ²/NDF: 18093989.3

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.414+/-0.164 χ^2/NDF: 27.8/26

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.321+/-0.167 χ^2/NDF: 32.5/30

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

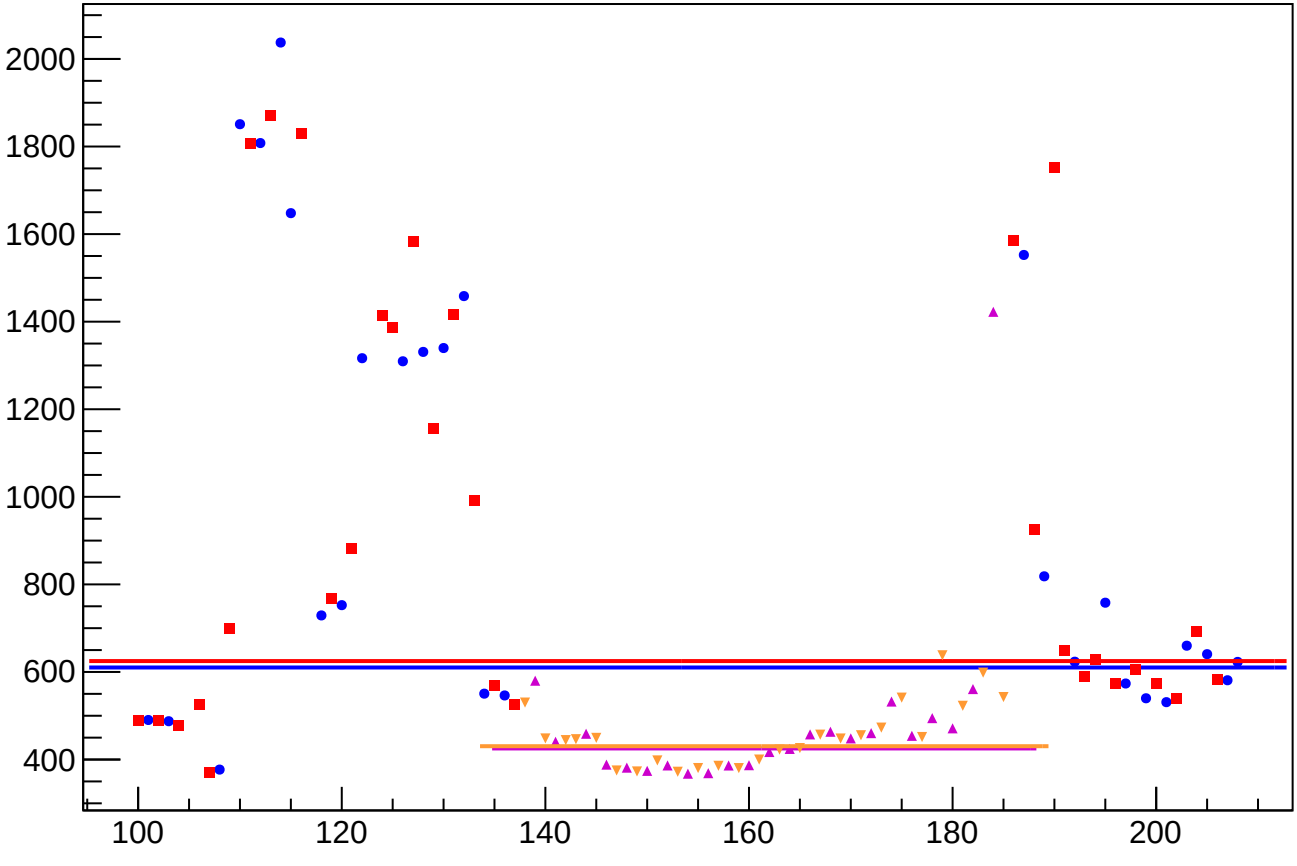
Right: -0.054+/-0.117 χ^2/NDF: 70.2/57

In: -0.149+/-0.086 χ^2/NDF:66.5/49

Out: -0.093+/-0.086 χ^2/NDF:75.1/55

All: -0.121+/-0.061 χ^2/NDF: 141.8/105

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 610.200+/-0.116 χ^2/NDF: 3199759.5/26

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 624.864+/-0.118 χ^2/NDF: 3515173.3/30

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

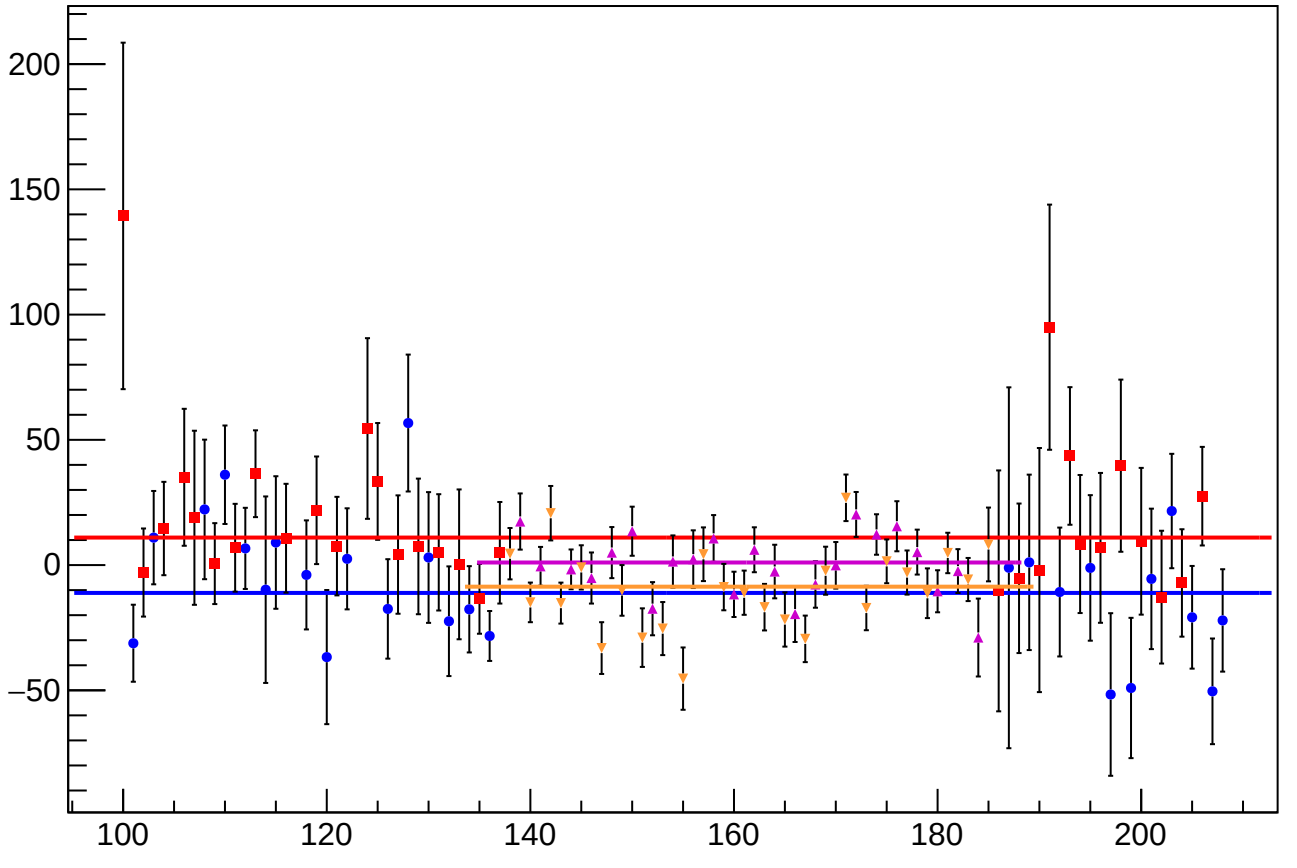
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 617.388+/-0.083 χ^2/NDF: 6722791.2/57

In: 476.674+/-0.061 χ^2/NDF:5757175.2/49

Out: 481.894+/-0.061 χ^2/NDF:6155837.2/55

All: 479.296+/-0.043 χ^2/NDF: 11916685.1/10



Right In: -11.115+/-4.085 χ^2/NDF: 33.2/26

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 10.984+/-4.209 χ^2/NDF: 21.6/30

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

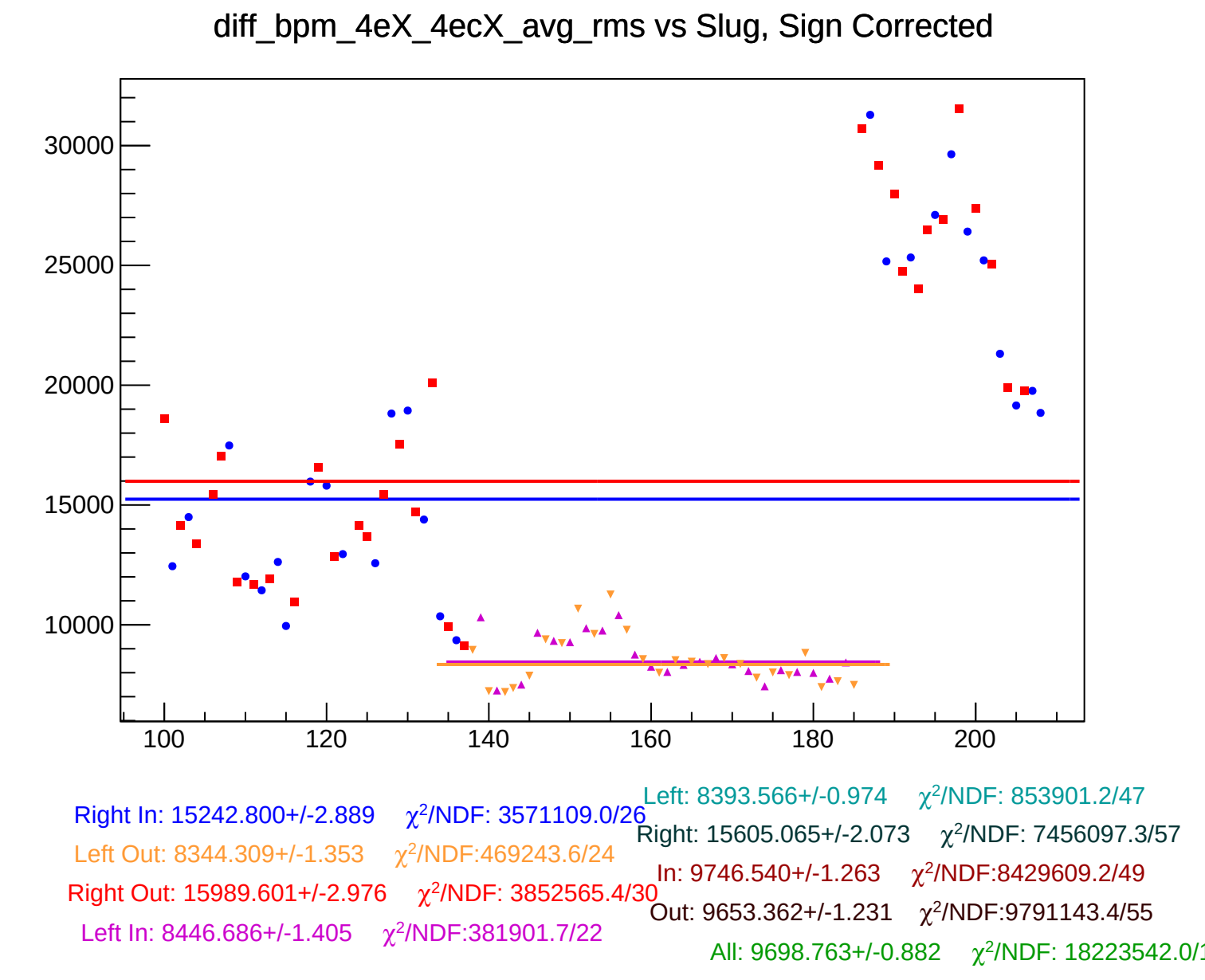
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

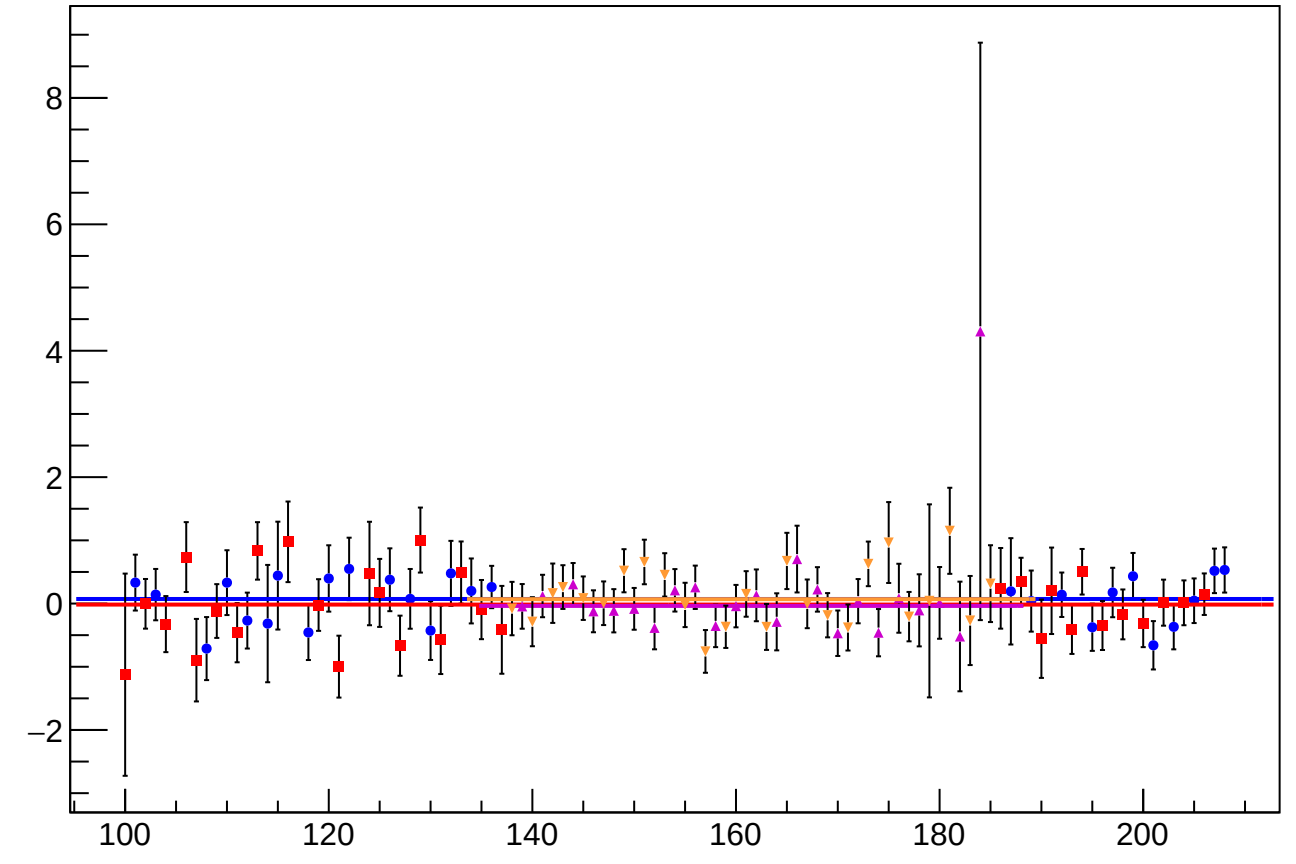
Right: -0.395+/-2.931 χ^2/NDF: 69.0/57

In: -1.295+/-1.787 χ^2/NDF:70.2/49

Out: -5.266+/-1.742 χ^2/NDF:101.2/55

All: -3.331+/-1.247 χ^2/NDF: 173.9/105


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15242.800+/-2.889 χ²/NDF: 3571109.0/26
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15989.601+/-2.976 χ²/NDF: 3852565.4/30
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15605.065+/-2.073 χ²/NDF: 7456097.3/57
In: 9746.540+/-1.263 χ²/NDF:8429609.2/49
Out: 9653.362+/-1.231 χ²/NDF:9791143.4/55
All: 9698.763+/-0.882 χ²/NDF: 18223542.0/



Right In: 0.072+/-0.084 χ^2/NDF: 20.4/26

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.016+/-0.083 χ^2/NDF: 31.1/30

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

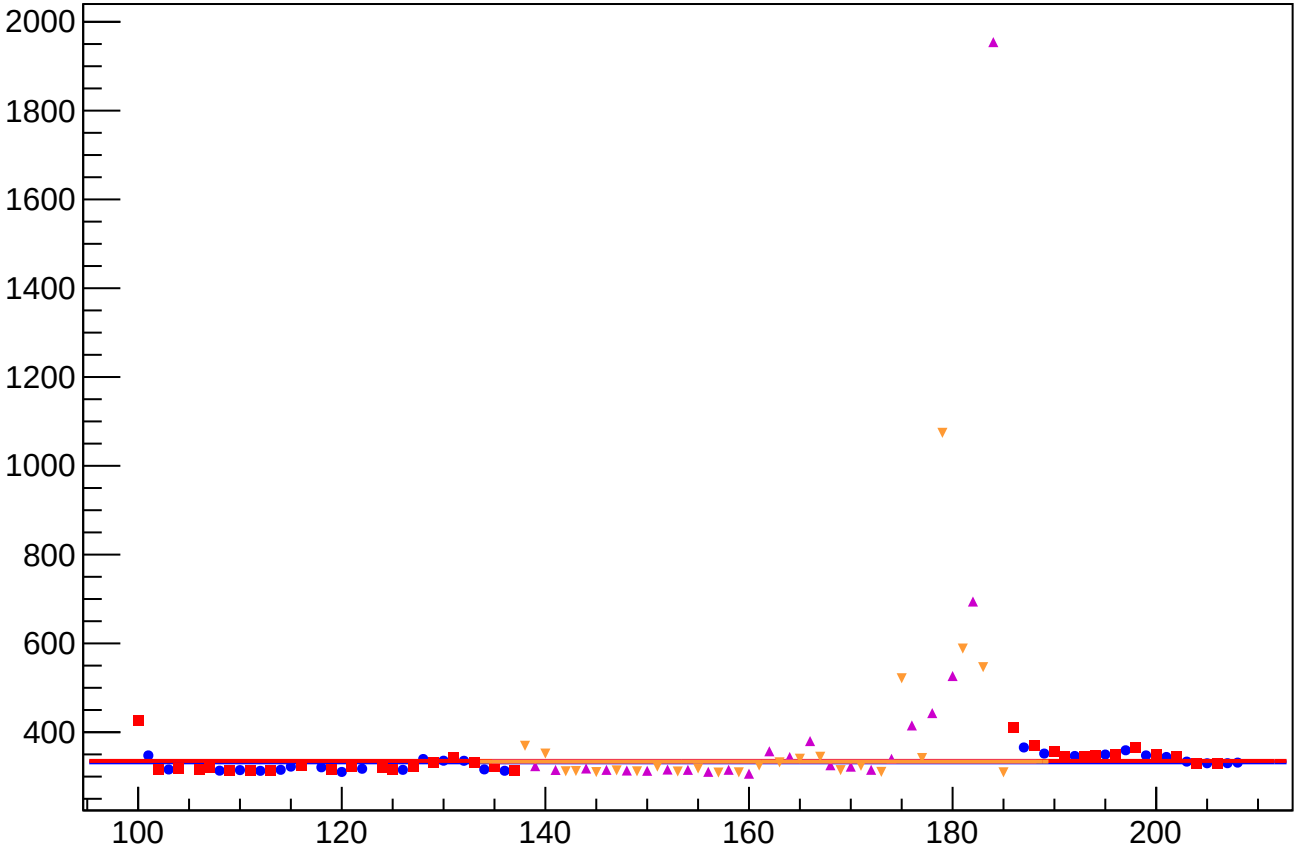
Right: 0.028+/-0.059 χ^2/NDF: 52.0/57

In: 0.016+/-0.058 χ^2/NDF:32.9/49

Out: 0.029+/-0.057 χ^2/NDF:59.8/55

All: 0.022+/-0.041 χ^2/NDF: 92.8/105

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.158+/-0.059 χ^2/NDF: 62864.7/26

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.349+/-0.059 χ^2/NDF: 116206.8/30

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

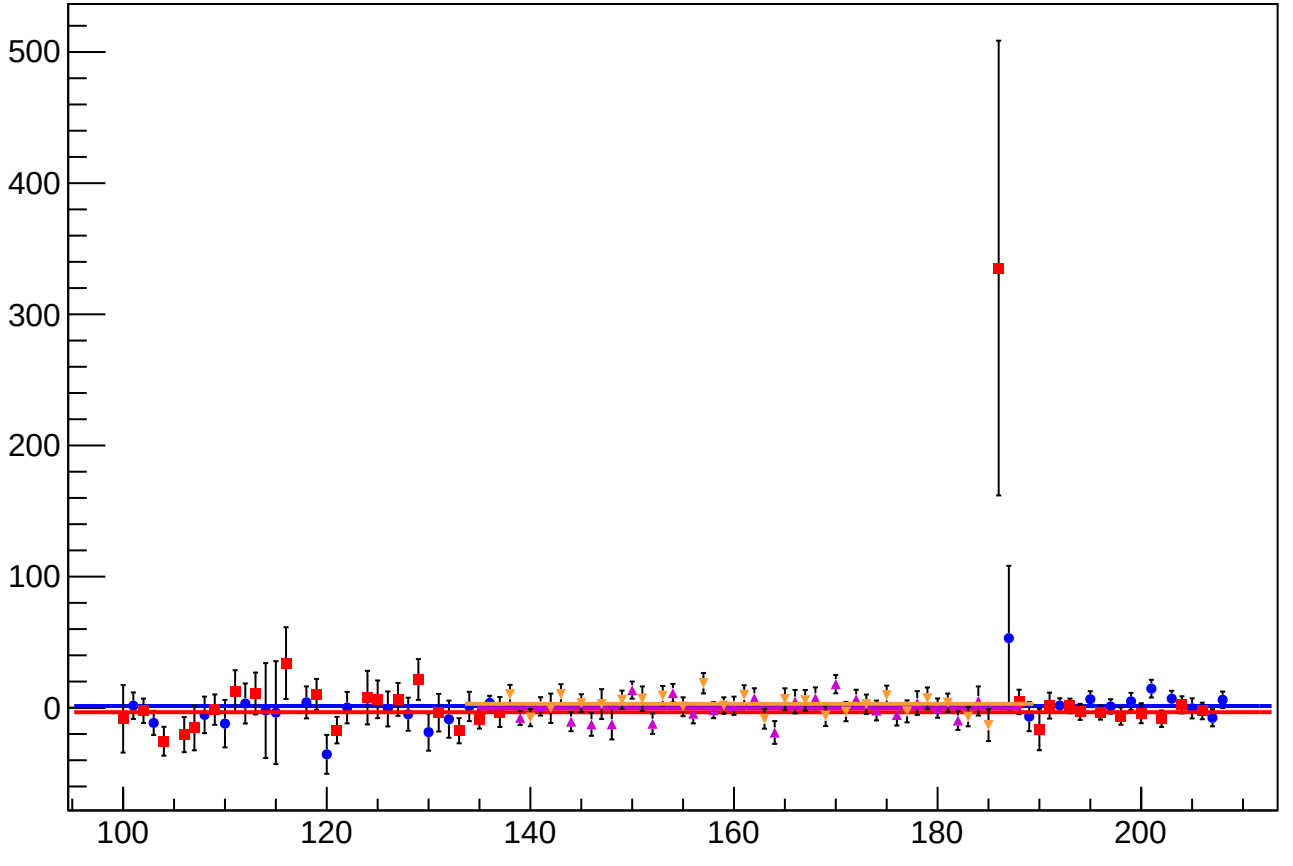
Right: 333.770+/-0.042 χ^2/NDF: 180540.8/57

In: 333.099+/-0.041 χ^2/NDF:1114338.6/49

Out: 334.530+/-0.040 χ^2/NDF:1333837.9/55

All: 333.827+/-0.029 χ^2/NDF: 2448791.6/105

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: 1.339+/-1.672 χ^2/NDF: 21.6/26

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.390+/-1.670 χ^2/NDF: 27.5/30

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

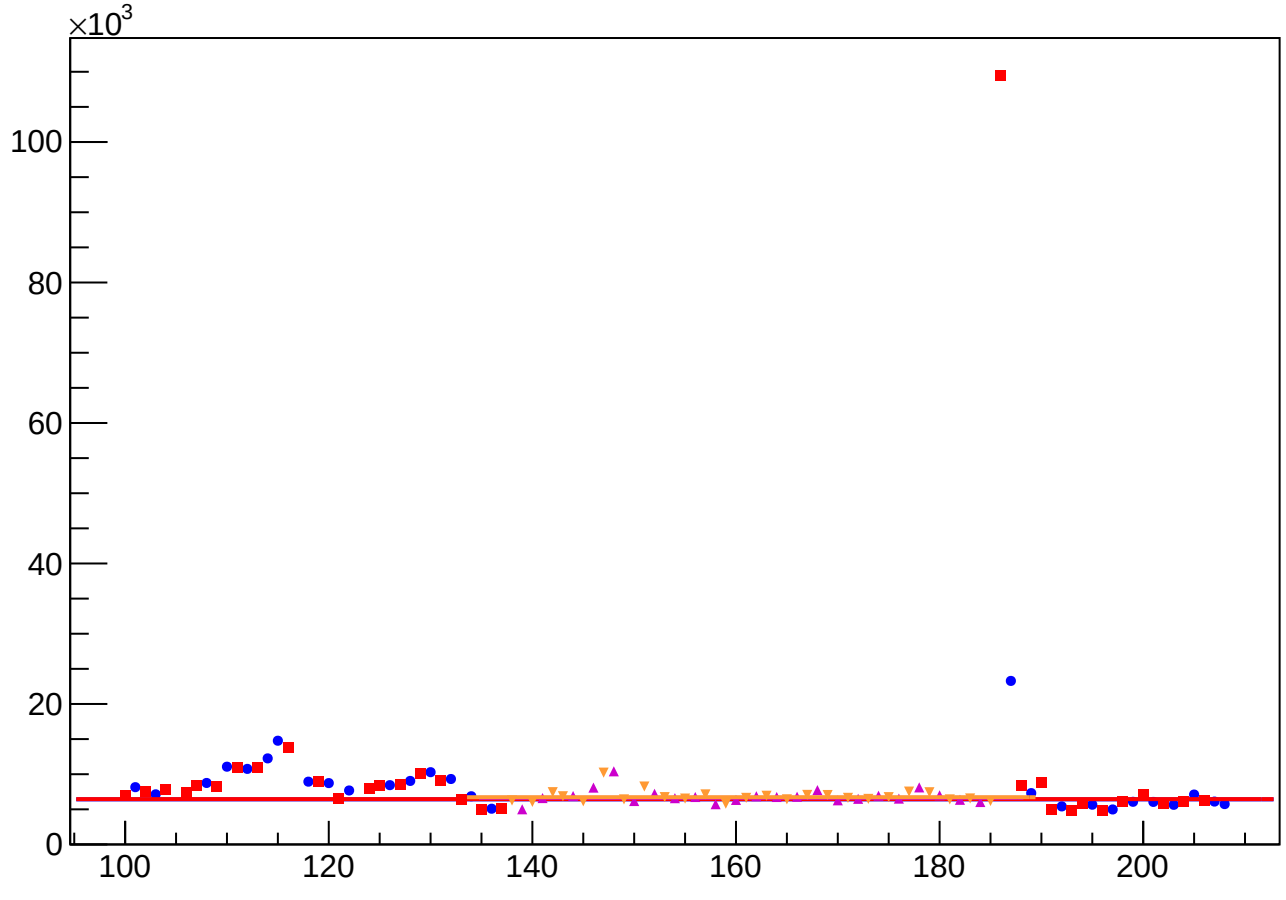
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.028+/-1.181 χ^2/NDF: 53.2/57

In: 0.440+/-1.144 χ^2/NDF:55.9/49

Out: 0.072+/-1.133 χ^2/NDF:55.8/55

All: 0.254+/-0.805 χ^2/NDF: 111.8/105



Right In: 6414.797+/-1.182 χ^2/NDF: 1731813.7/26

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6453.257+/-1.181 χ^2/NDF: 2371629.8/30

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

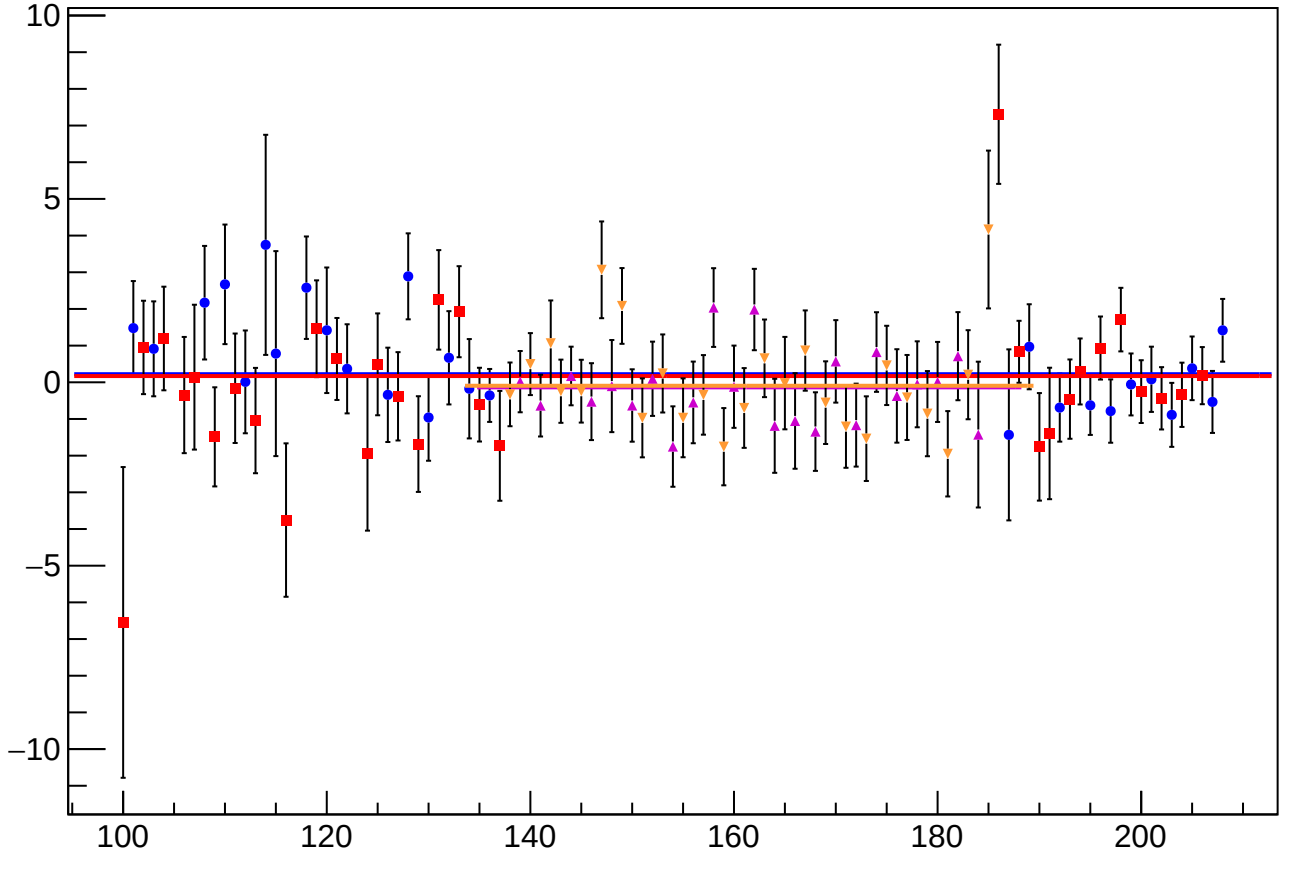
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6434.049+/-0.835 χ^2/NDF: 4103973.4/57

In: 6530.715+/-0.809 χ^2/NDF:2379380.6/49

Out: 6598.880+/-0.801 χ^2/NDF:2803116.9/55

All: 6565.129+/-0.569 χ^2/NDF: 5186083.5/10



Right In: 0.221+/-0.211 χ^2/NDF: 26.0/26

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.170+/-0.211 χ^2/NDF: 42.9/30

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

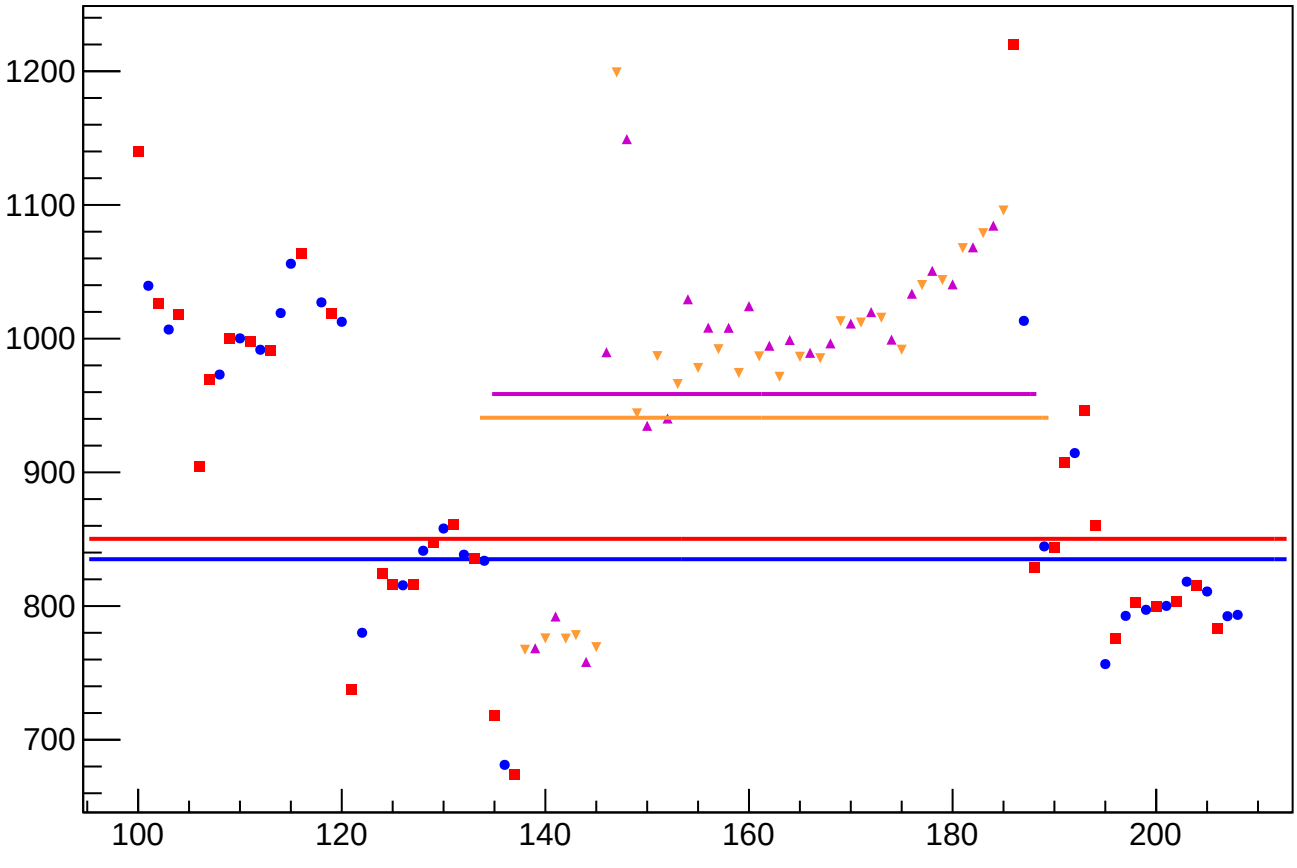
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.195+/-0.149 χ^2/NDF: 69.0/57

In: 0.053+/-0.154 χ^2/NDF:43.8/49

Out: 0.041+/-0.151 χ^2/NDF:71.1/55

All: 0.047+/-0.108 χ^2/NDF: 114.9/105



Right In: 835.031+/-0.149 χ^2/NDF: 392531.1/26

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 850.281+/-0.149 χ^2/NDF: 435360.4/30

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

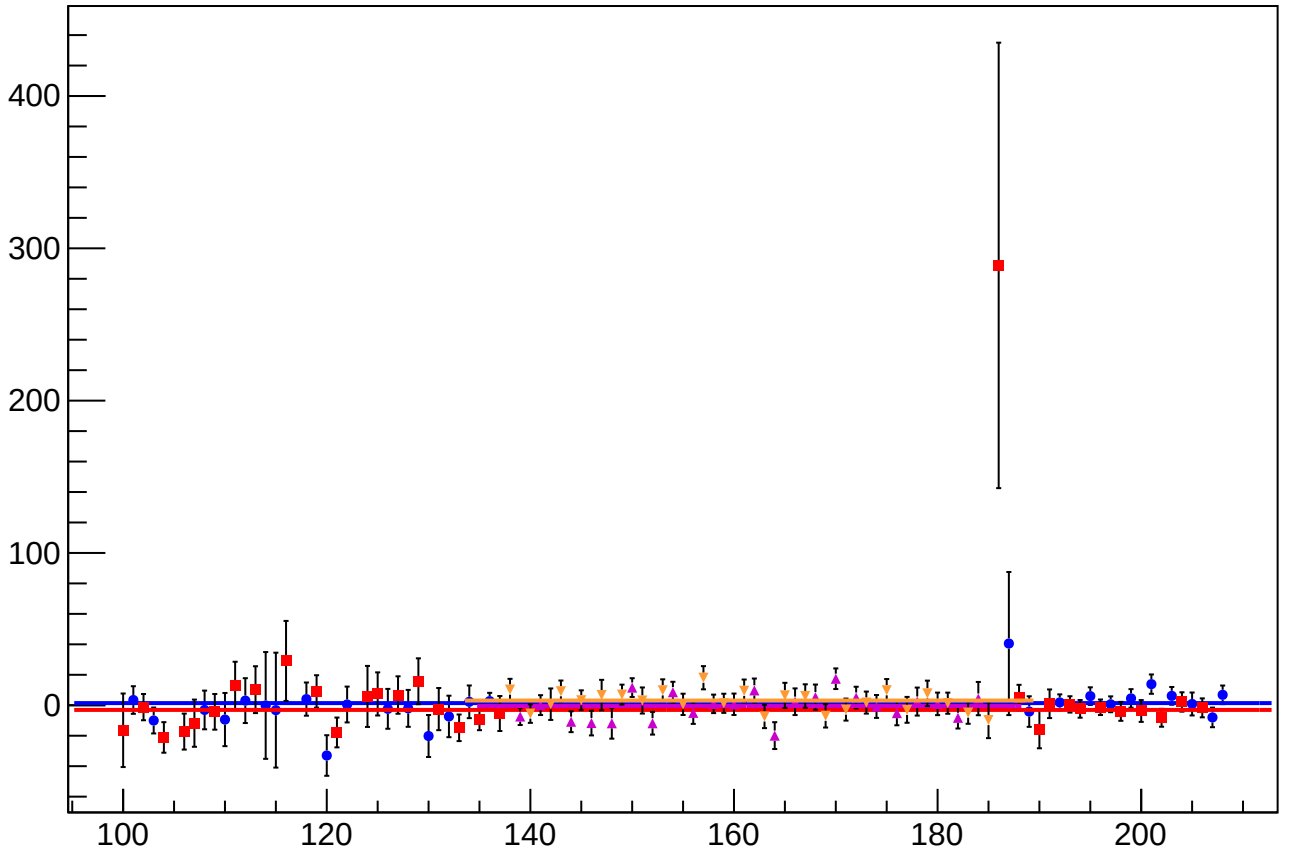
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 842.664+/-0.105 χ^2/NDF: 833118.7/57

In: 892.759+/-0.109 χ^2/NDF:1169635.8/49

Out: 894.594+/-0.107 χ^2/NDF:1184729.8/55

All: 893.697+/-0.076 χ^2/NDF: 2354510.7/105



Right In: 1.417+/-1.598 χ^2/NDF: 21.6/26

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.061+/-1.585 χ^2/NDF: 26.0/30

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

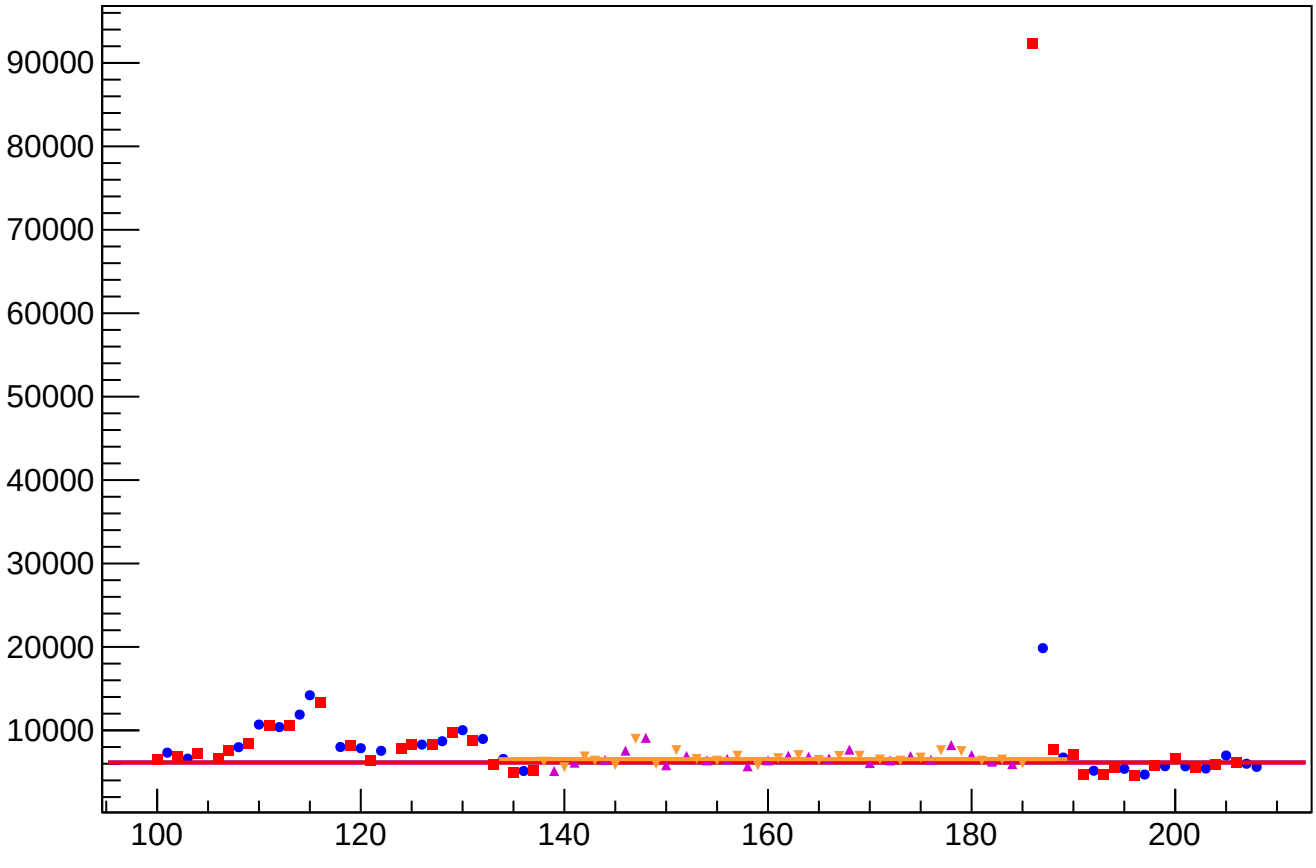
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -0.840+/-1.125 χ^2/NDF: 51.6/57

In: 0.410+/-1.107 χ^2/NDF:54.4/49

Out: 0.189+/-1.090 χ^2/NDF:52.6/55

All: 0.298+/-0.777 χ^2/NDF: 107.0/105



Right In: 6146.865+/-1.130 χ^2/NDF: 1635364.5/26

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6145.414+/-1.121 χ^2/NDF: 2297245.9/30

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

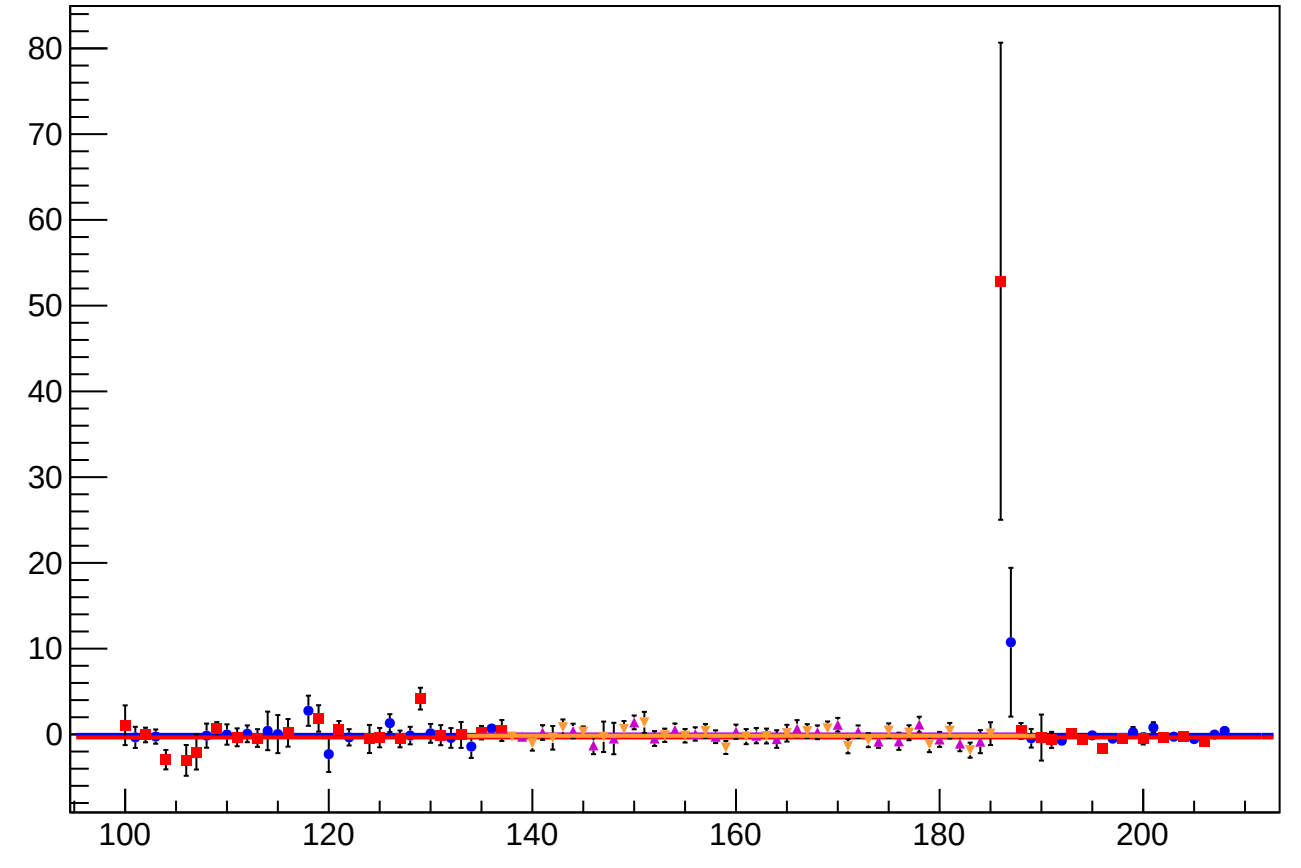
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6146.134+/-0.796 χ^2/NDF: 3932611.3/57

In: 6333.179+/-0.783 χ^2/NDF:2203129.2/49

Out: 6358.276+/-0.771 χ^2/NDF:2731664.4/55

All: 6345.925+/-0.549 χ^2/NDF: 4935315.7/10



Right In: -0.053+/-0.143 χ^2/NDF: 16.9/26

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.358+/-0.149 χ^2/NDF: 39.1/30

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

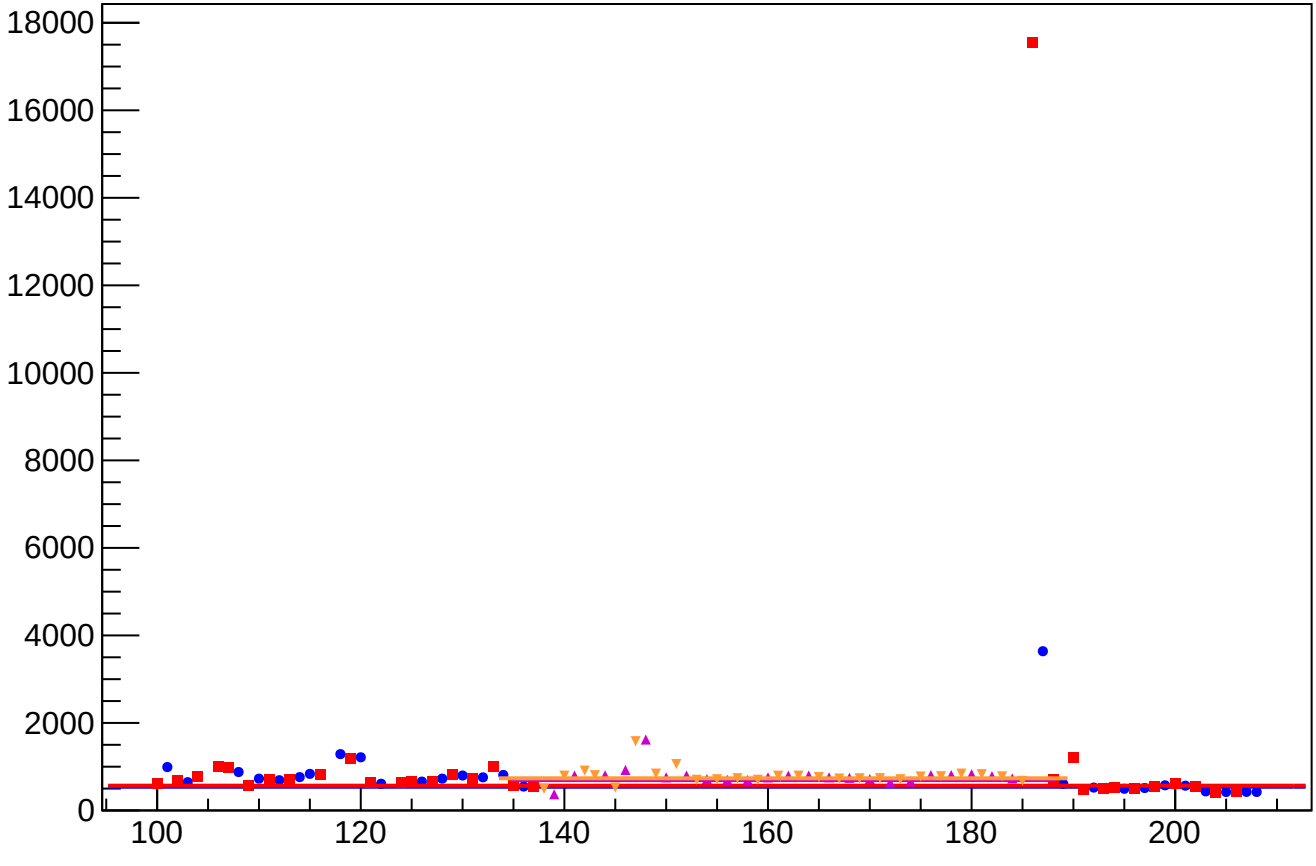
Right: -0.200+/-0.103 χ^2/NDF: 58.2/57

In: -0.038+/-0.109 χ^2/NDF:32.1/49

Out: -0.274+/-0.112 χ^2/NDF:58.8/55

All: -0.153+/-0.078 χ^2/NDF: 93.2/105

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 542.053+/-0.101 χ^2/NDF: 2299368.5/26

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 566.134+/-0.105 χ^2/NDF: 2534529.5/30

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

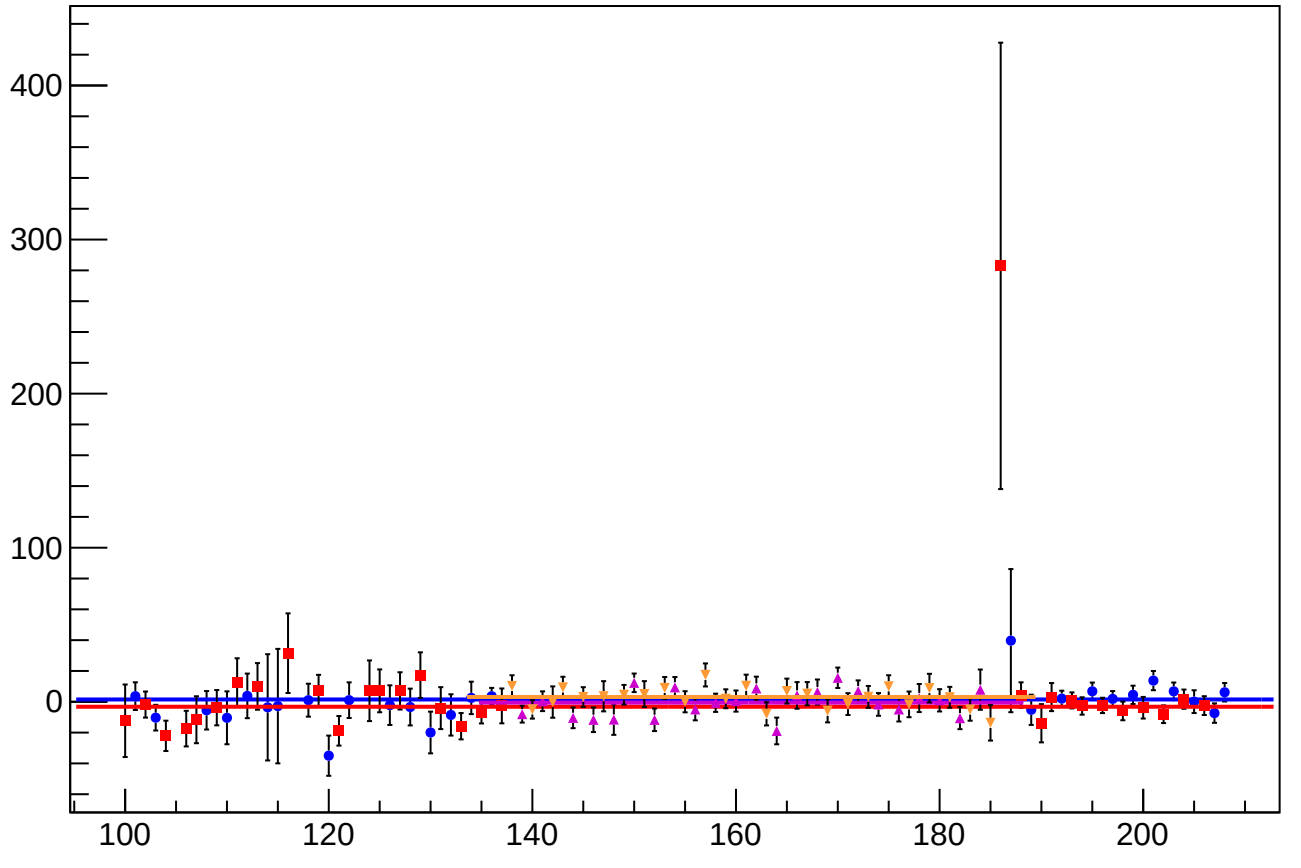
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 553.645+/-0.073 χ^2/NDF: 4861146.5/57

In: 605.557+/-0.077 χ^2/NDF:5467258.3/49

Out: 638.228+/-0.080 χ^2/NDF:4977226.7/55

All: 621.418+/-0.055 χ^2/NDF: 10531322.1/10



Right In: 1.498+/-1.567 χ^2/NDF: 23.8/26

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.226+/-1.553 χ^2/NDF: 27.1/30

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

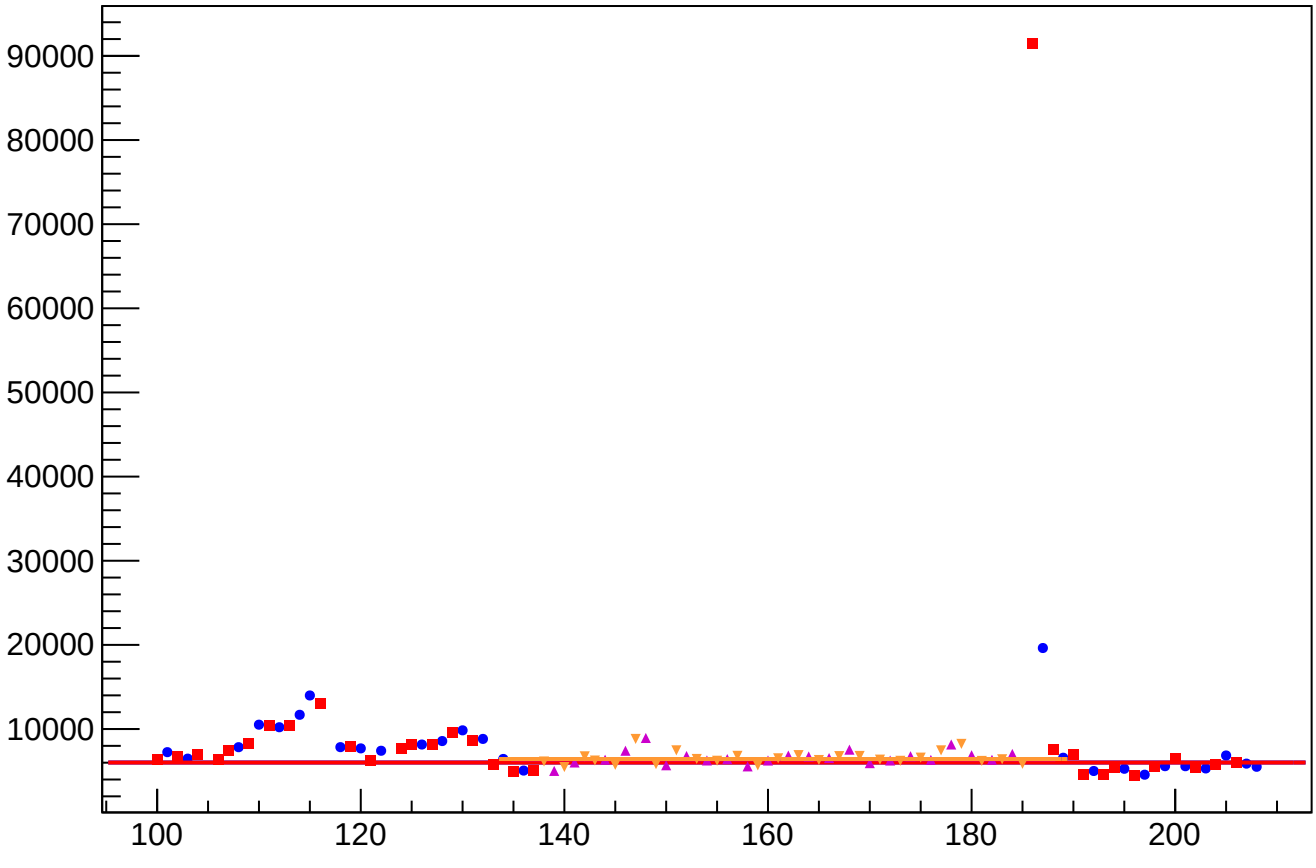
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -0.885+/-1.103 χ^2/NDF: 55.5/57

In: 0.438+/-1.088 χ^2/NDF:58.3/49

Out: 0.103+/-1.070 χ^2/NDF:54.5/55

All: 0.268+/-0.763 χ^2/NDF: 112.9/105



Right In: 6022.068+/-1.108 χ^2/NDF: 1662864.9/26

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6015.544+/-1.098 χ^2/NDF: 2318506.1/30

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

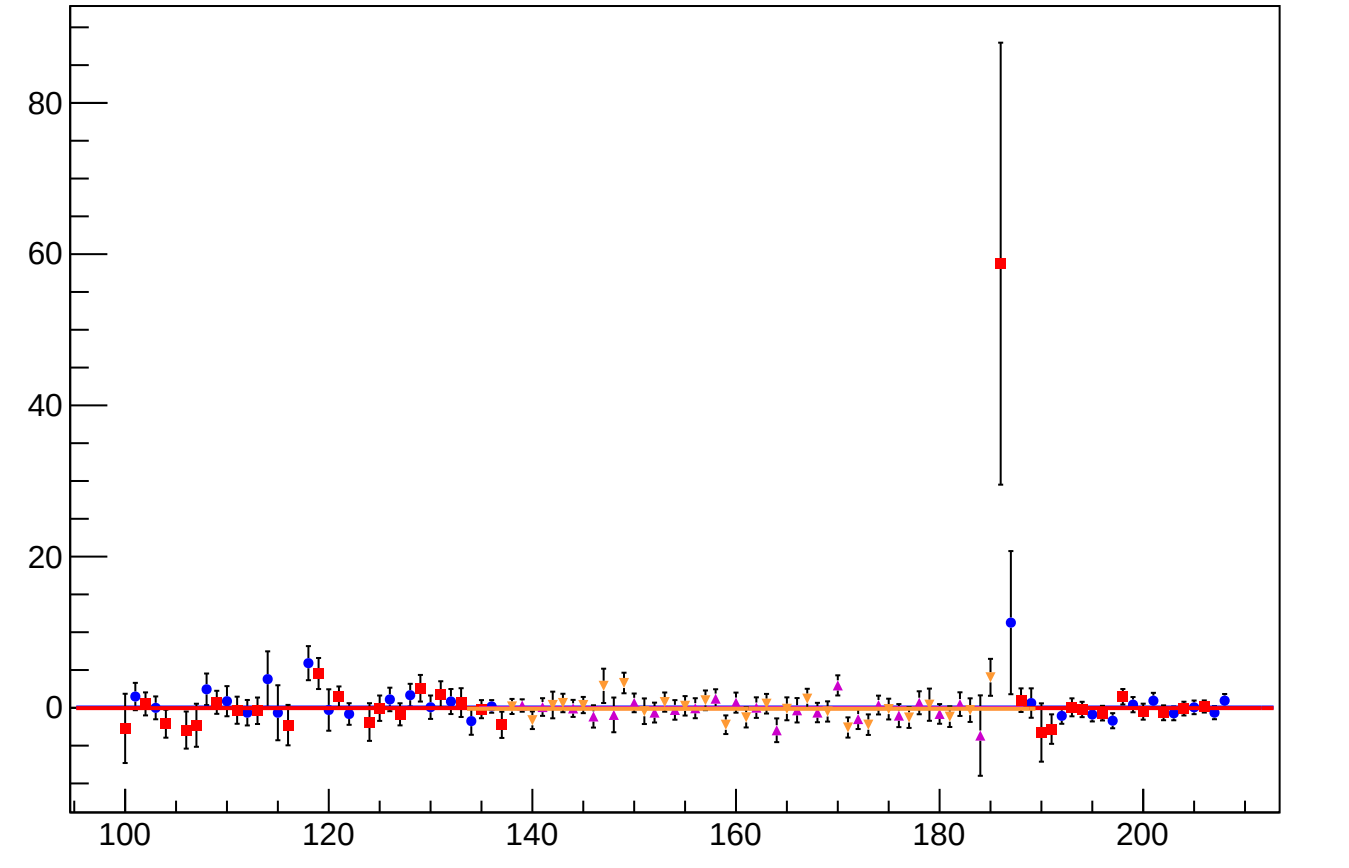
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6018.777+/-0.780 χ^2/NDF: 3981388.5/57

In: 6220.414+/-0.769 χ^2/NDF:2249859.3/49

Out: 6236.110+/-0.757 χ^2/NDF:2812594.9/55

All: 6228.394+/-0.539 χ^2/NDF: 5062665.8/10



Right In: 0.042+/-0.248 χ^2/NDF: 23.4/26

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.041+/-0.257 χ^2/NDF: 27.5/30

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

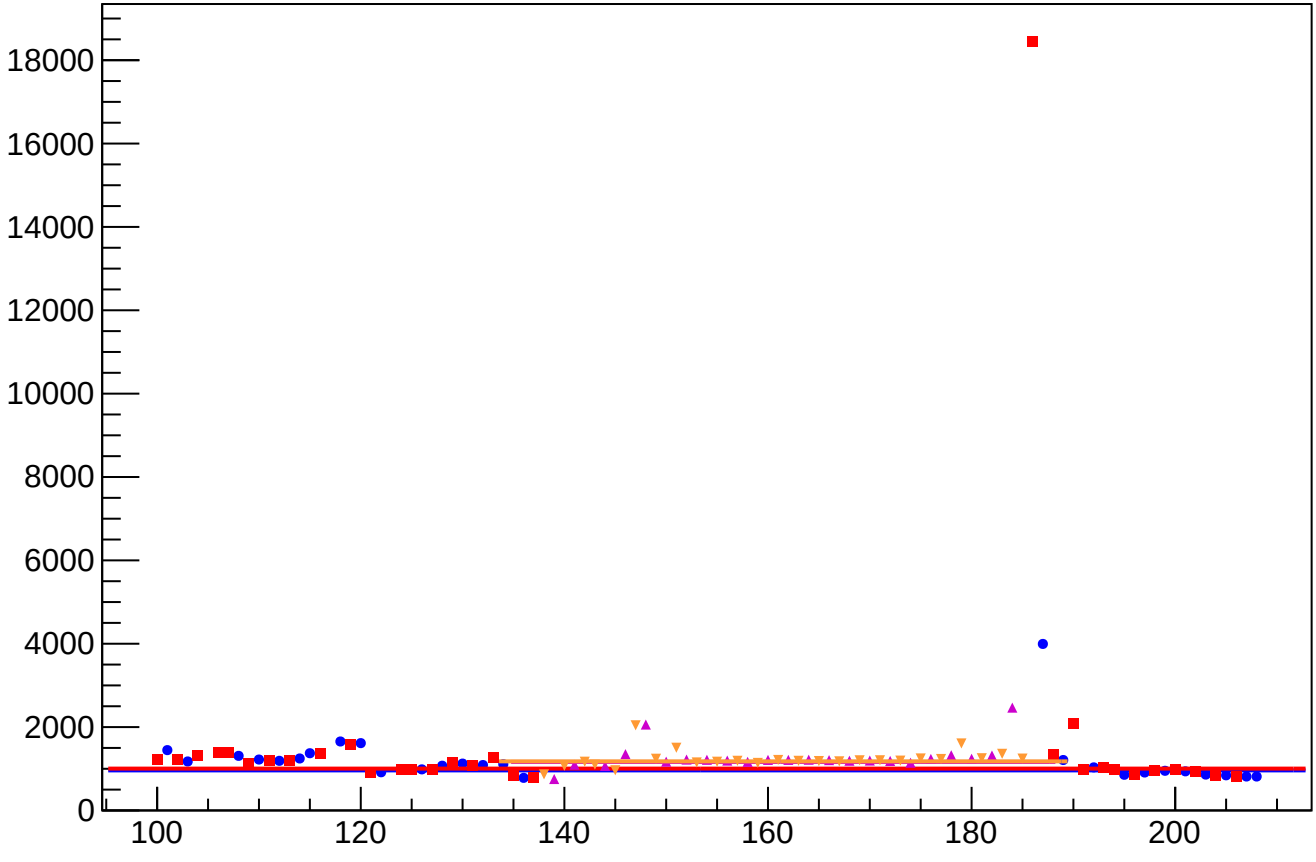
Right: 0.002+/-0.179 χ^2/NDF: 50.9/57

In: 0.011+/-0.185 χ^2/NDF:37.9/49

Out: -0.079+/-0.187 χ^2/NDF:54.5/55

All: -0.034+/-0.132 χ^2/NDF: 92.5/105

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 961.090+/-0.176 χ^2/NDF: 1257520.2/26

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1004.084+/-0.182 χ^2/NDF: 1792594.5/30

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

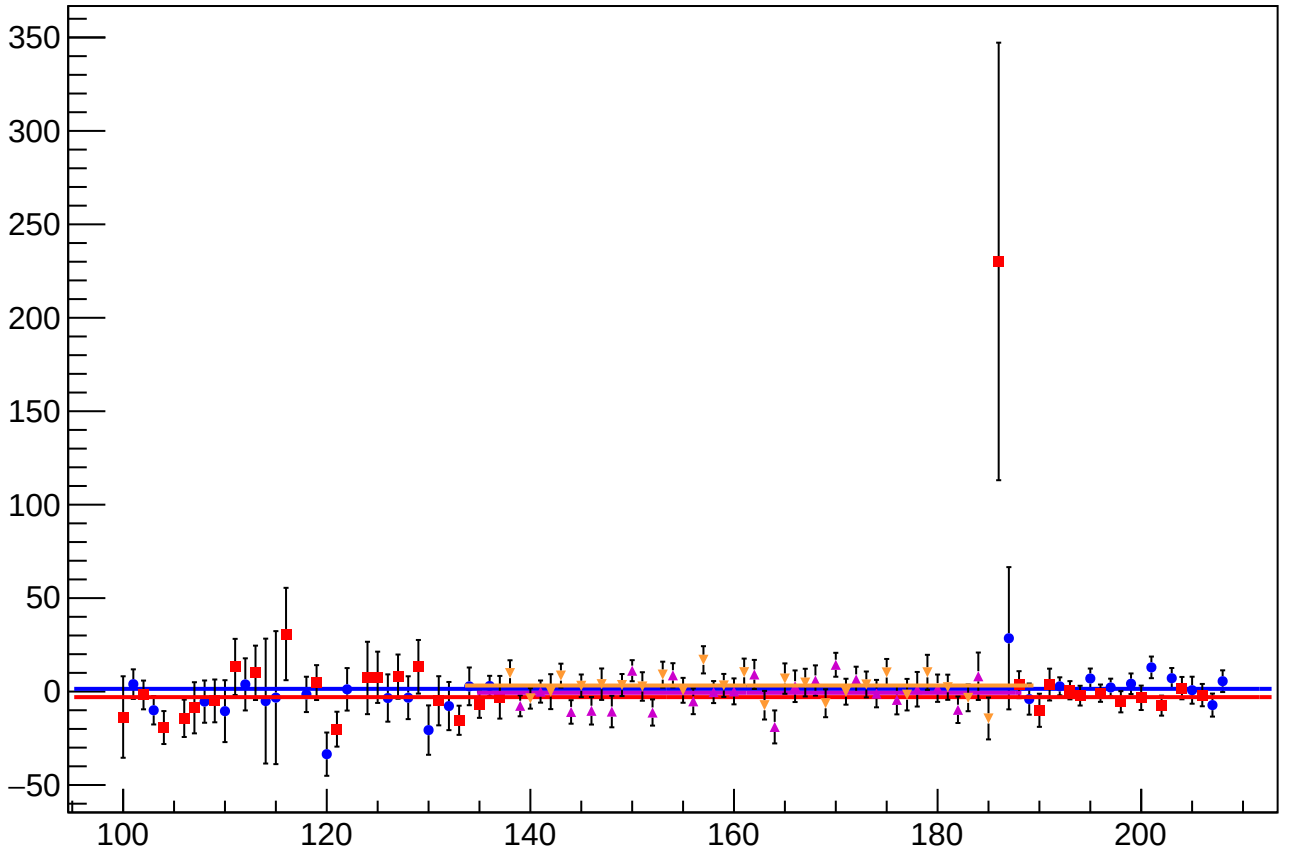
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 981.823+/-0.126 χ^2/NDF: 3079046.9/57

In: 1050.819+/-0.131 χ^2/NDF:2900171.1/49

Out: 1085.629+/-0.132 χ^2/NDF:3021575.5/55

All: 1068.037+/-0.093 χ^2/NDF: 5956646.6/10



Right In: 1.448+/-1.479 χ^2/NDF: 26.2/26

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -2.980+/-1.451 χ^2/NDF: 27.4/30

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

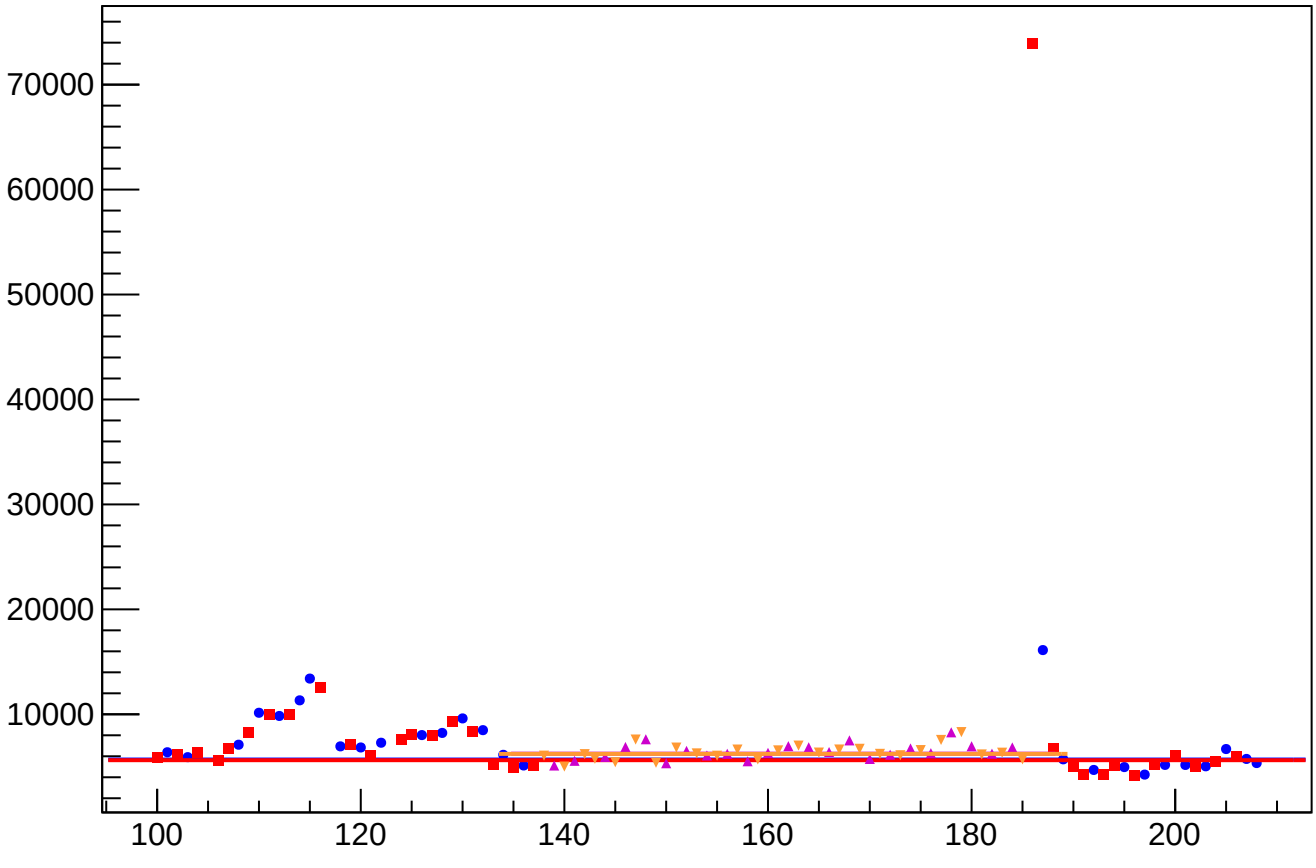
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.807+/-1.036 χ^2/NDF: 58.2/57

In: 0.387+/-1.044 χ^2/NDF:59.6/49

Out: 0.174+/-1.018 χ^2/NDF:54.6/55

All: 0.278+/-0.729 χ^2/NDF: 114.2/105



Right In: 5688.709+/-1.046 χ^2/NDF: 1642113.8/26

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5627.979+/-1.026 χ^2/NDF: 2339253.9/30

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

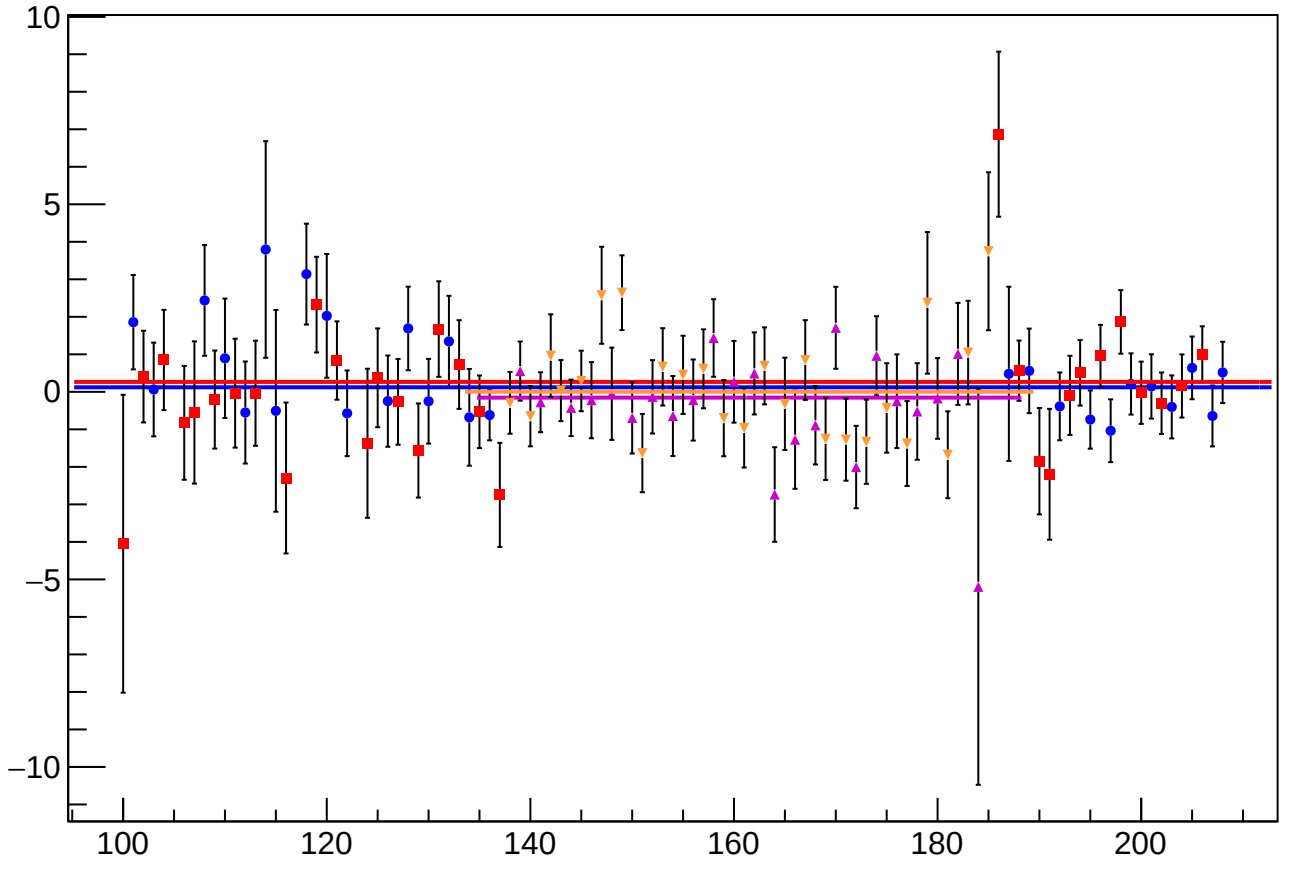
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5657.776+/-0.732 χ^2/NDF: 3983086.0/57

In: 5968.698+/-0.738 χ^2/NDF:2270028.3/49

Out: 5932.836+/-0.720 χ^2/NDF:2983994.3/55

All: 5950.326+/-0.515 χ^2/NDF: 5255232.0/10



Right In: 0.121+/-0.203 χ^2/NDF: 23.6/26

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.265+/-0.203 χ^2/NDF: 36.0/30

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

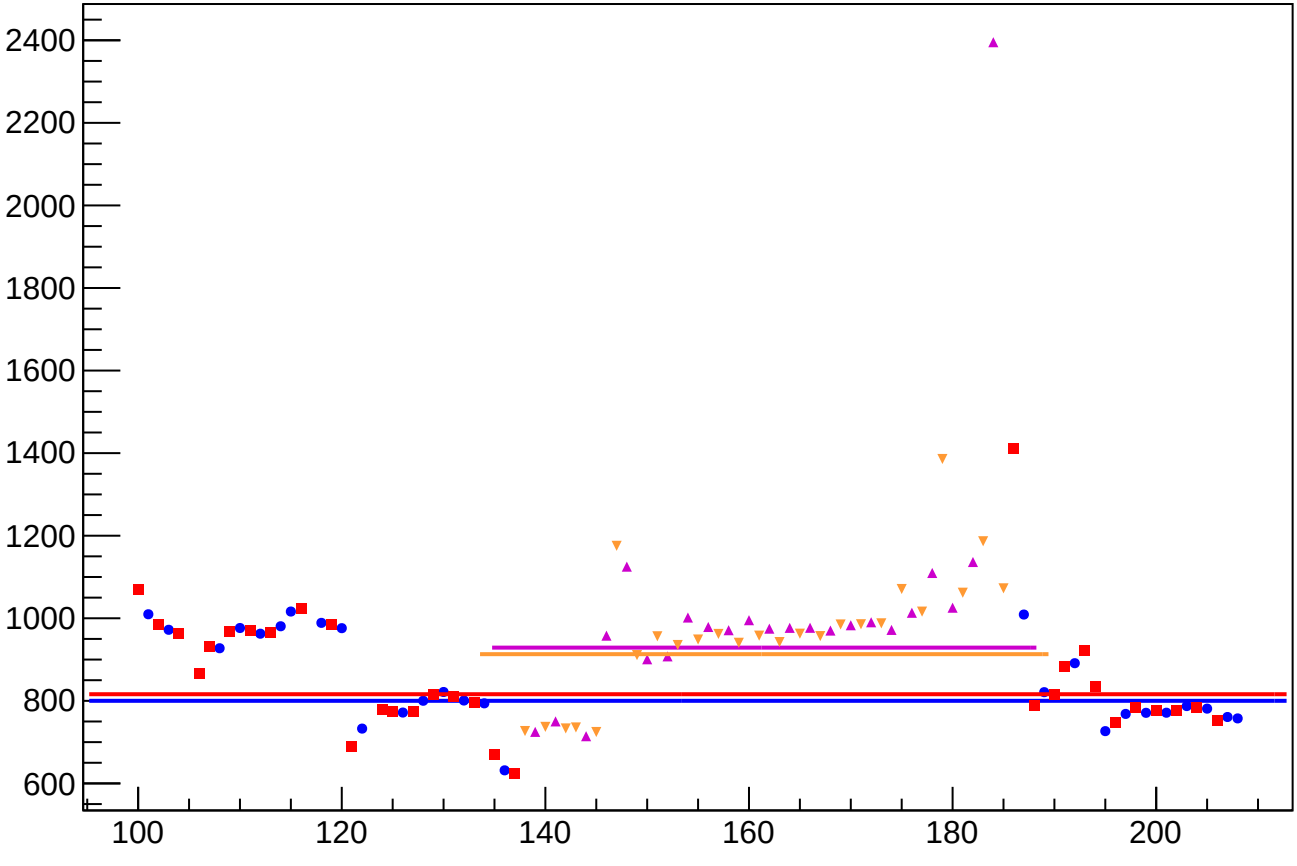
Right: 0.193+/-0.143 χ^2/NDF: 59.9/57

In: -0.004+/-0.149 χ^2/NDF:42.8/49

Out: 0.140+/-0.147 χ^2/NDF:68.5/55

All: 0.069+/-0.105 χ^2/NDF: 111.8/105

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 800.084+/-0.143 χ^2/NDF: 452111.9/26

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 816.061+/-0.143 χ^2/NDF: 545187.7/30

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

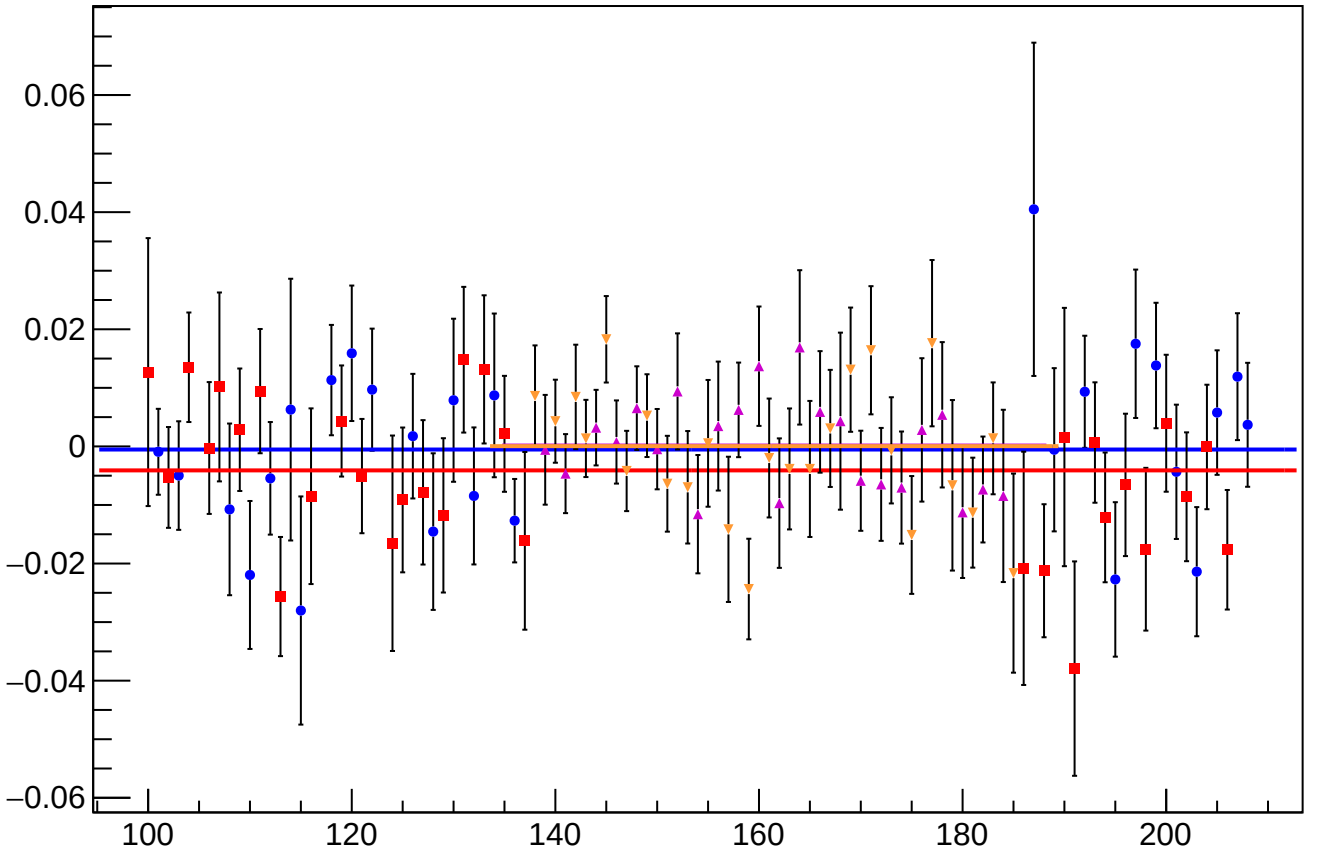
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 808.061+/-0.101 χ^2/NDF: 1003510.0/57

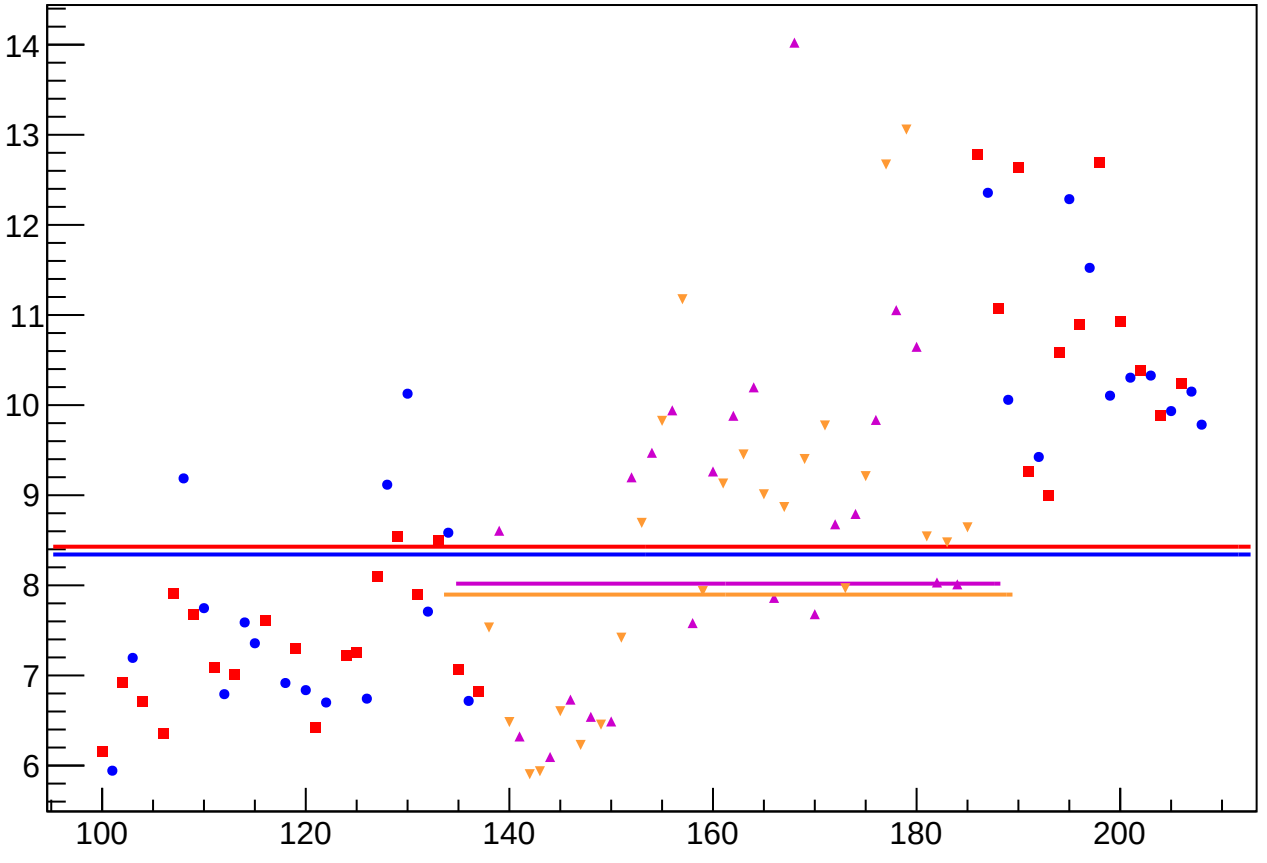
In: 858.890+/-0.106 χ^2/NDF:1590349.2/49

Out: 862.454+/-0.104 χ^2/NDF:1653053.5/55

All: 860.706+/-0.074 χ^2/NDF: 3243983.0/105


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.001+/-0.002 χ²/NDF: 31.1/26
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.004+/-0.002 χ²/NDF: 29.4/30
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: 61.9/57
In: -0.000+/-0.001 χ²/NDF:44.0/49
Out: -0.002+/-0.001 χ²/NDF:62.7/55
All: -0.001+/-0.001 χ²/NDF: 107.3/105

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.342+/-0.002 χ^2/NDF: 1355393.8/26

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.429+/-0.002 χ^2/NDF: 1397161.5/30

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

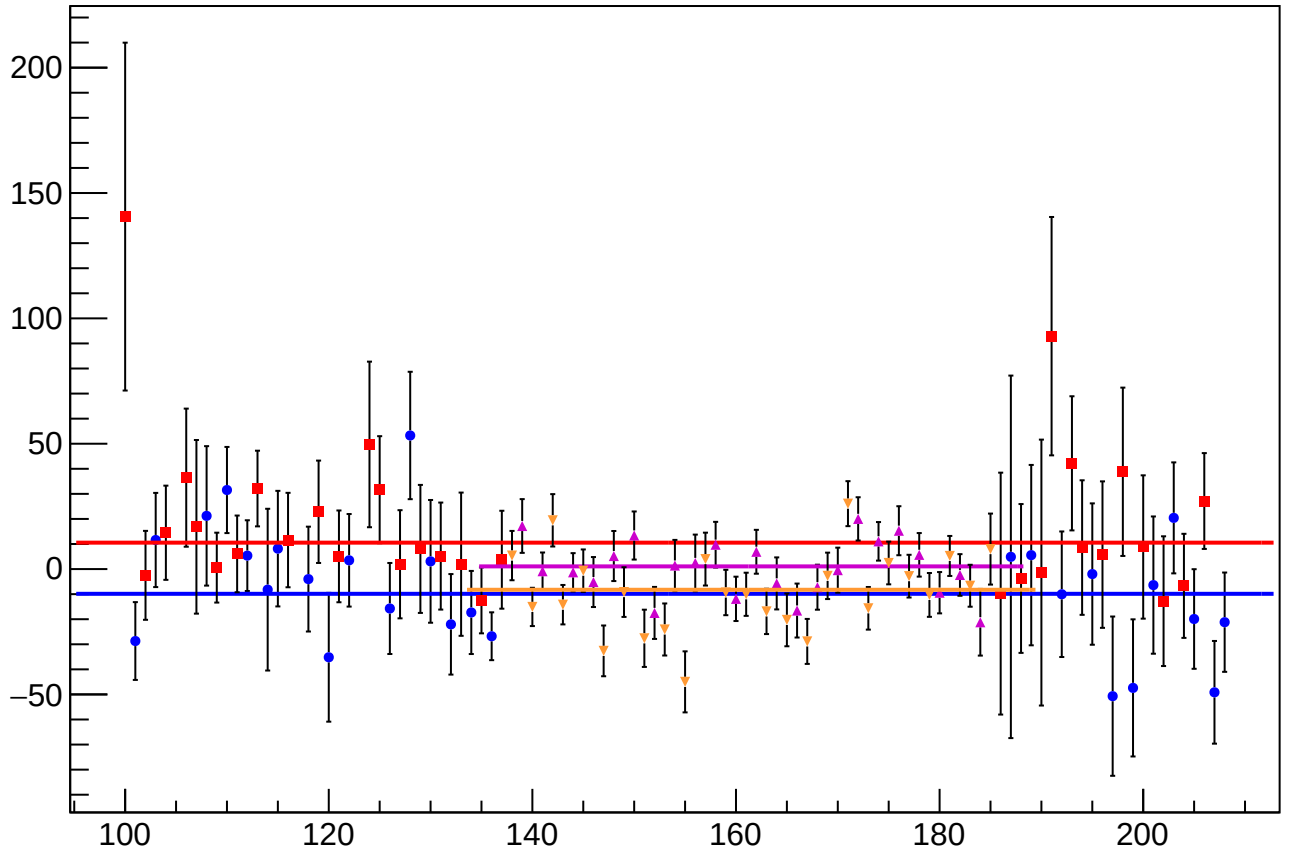
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.386+/-0.001 χ^2/NDF: 2754187.9/57

In: 8.162+/-0.001 χ^2/NDF:2836363.7/49

Out: 8.125+/-0.001 χ^2/NDF:3059187.7/55

All: 8.143+/-0.001 χ^2/NDF: 5896240.3/105



Right In: -9.867+/-3.874 χ^2/NDF: 33.5/26

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 10.539+/-3.953 χ^2/NDF: 21.9/30

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

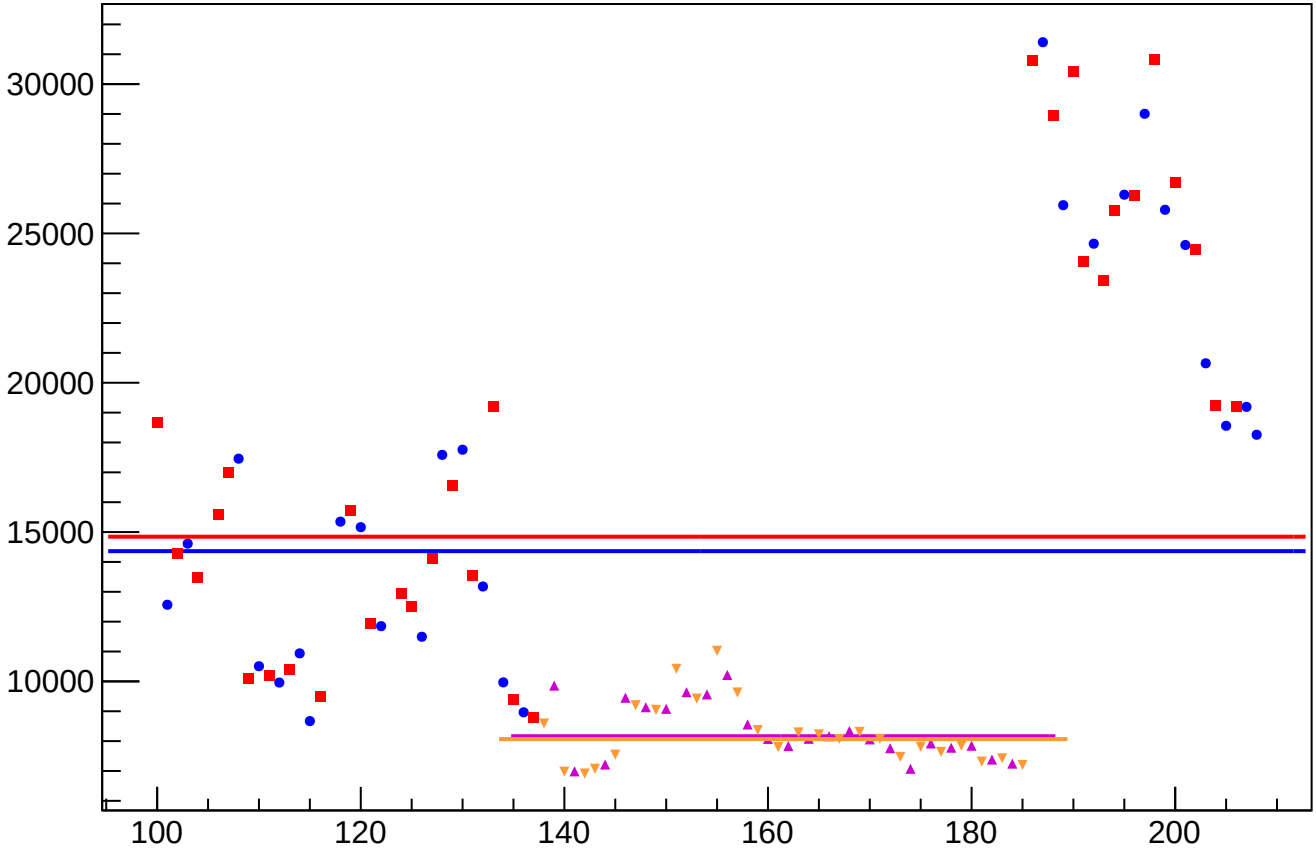
Right: 0.130+/-2.767 χ^2/NDF: 68.9/57

In: -1.087+/-1.721 χ^2/NDF:68.7/49

Out: -4.881+/-1.675 χ^2/NDF:102.6/55

All: -3.035+/-1.200 χ^2/NDF: 173.8/105

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 14360.917+/-2.739 χ^2/NDF: 3952448.4/26

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 14845.217+/-2.795 χ^2/NDF: 4493367.1/30

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

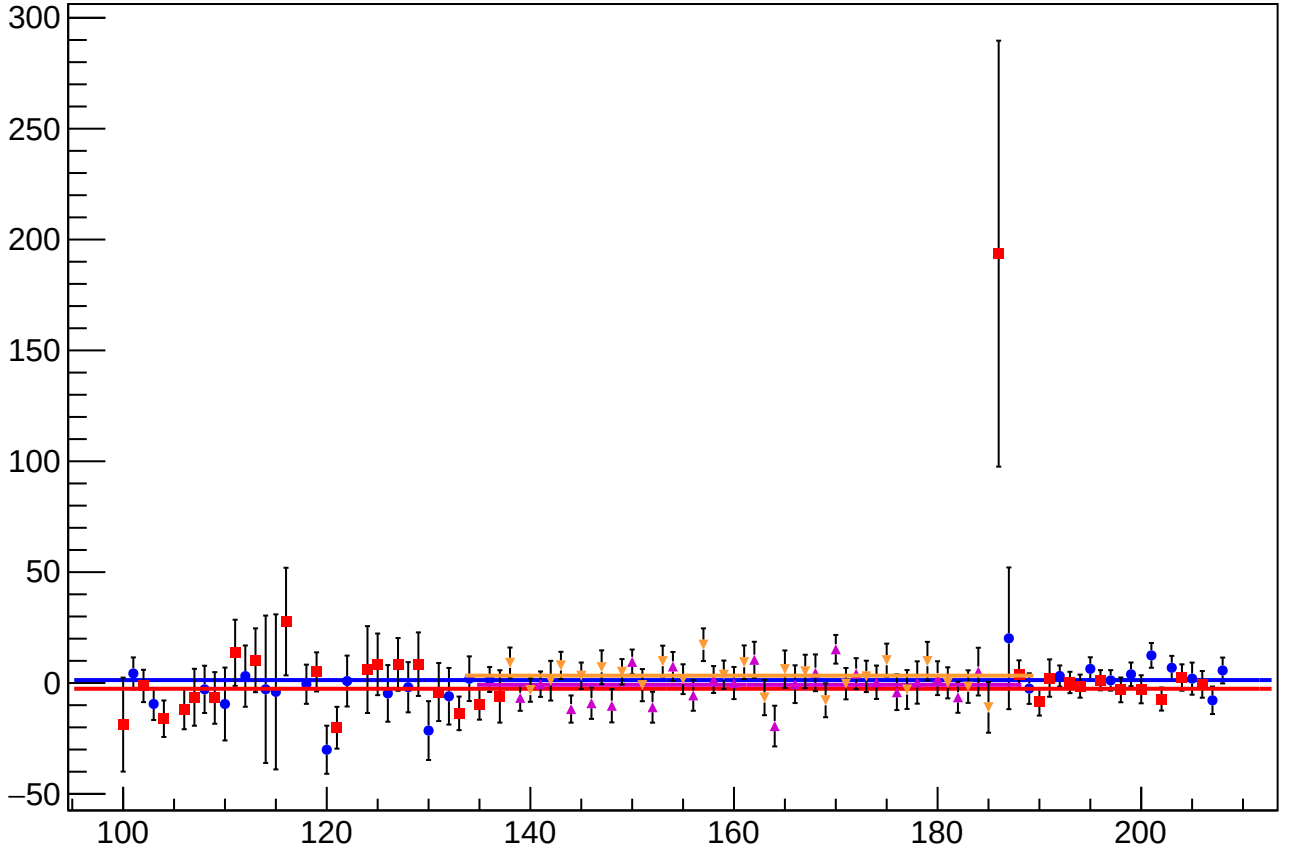
Right: 14598.176+/-1.957 χ^2/NDF: 8461127.2/57

In: 9386.362+/-1.217 χ^2/NDF:8493011.6/49

Out: 9283.903+/-1.185 χ^2/NDF:9815988.4/55

All: 9333.753+/-0.849 χ^2/NDF: 18312640.2/1

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.324+/-1.444 χ^2/NDF: 24.8/26

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.597+/-1.401 χ^2/NDF: 26.9/30

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

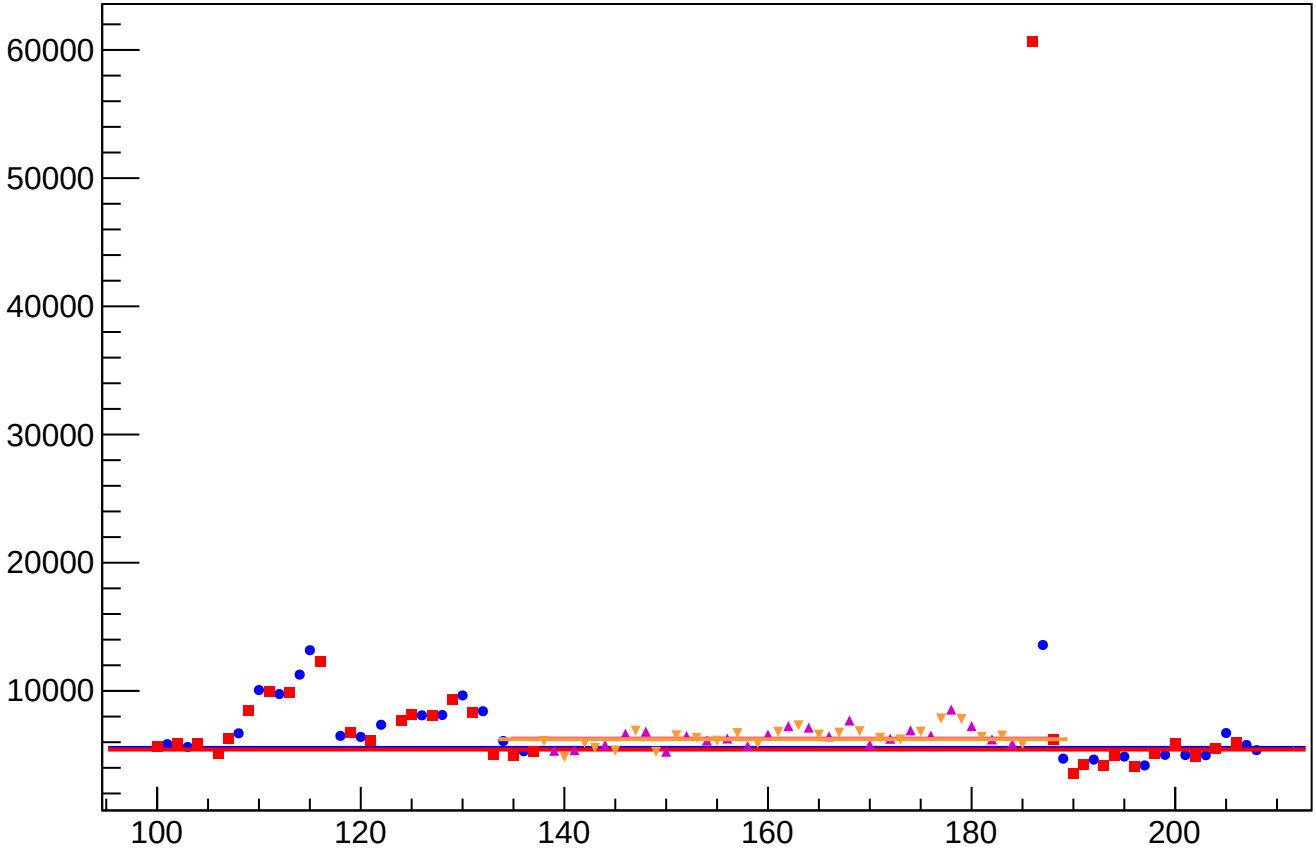
Right: -0.696+/-1.005 χ^2/NDF: 55.5/57

In: 0.289+/-1.033 χ^2/NDF:55.3/49

Out: 0.304+/-1.001 χ^2/NDF:52.6/55

All: 0.297+/-0.719 χ^2/NDF: 107.9/105

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5556.163+/-1.021 χ^2/NDF: 1641726.9/26

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5425.758+/-0.990 χ^2/NDF: 2496250.2/30

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

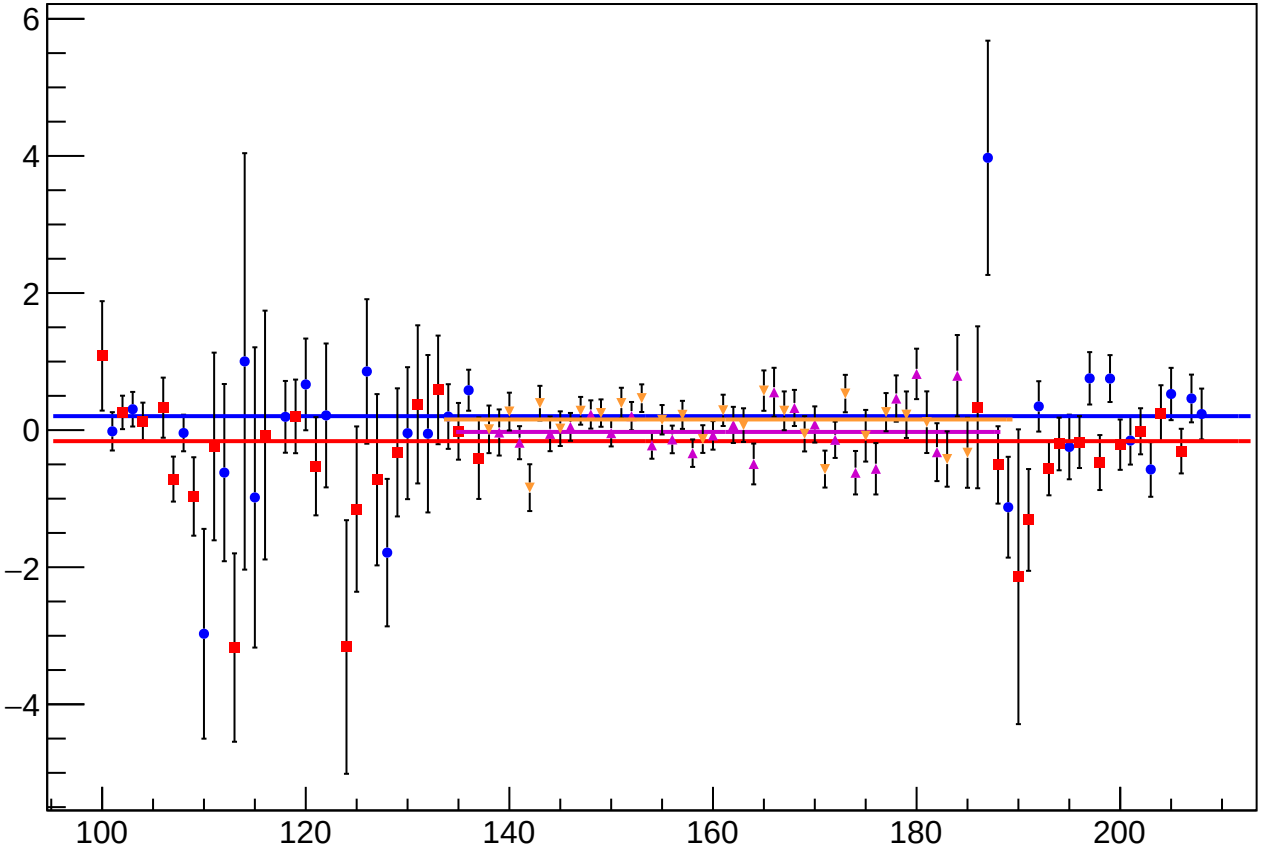
Right: 5488.982+/-0.711 χ^2/NDF: 4146383.1/57

In: 5904.968+/-0.730 χ^2/NDF:2385635.5/49

Out: 5819.824+/-0.708 χ^2/NDF:3352331.7/55

All: 5861.048+/-0.508 χ^2/NDF: 5744976.1/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.204+/-0.086 χ^2/NDF: 32.7/26

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.161+/-0.086 χ^2/NDF: 29.9/30

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

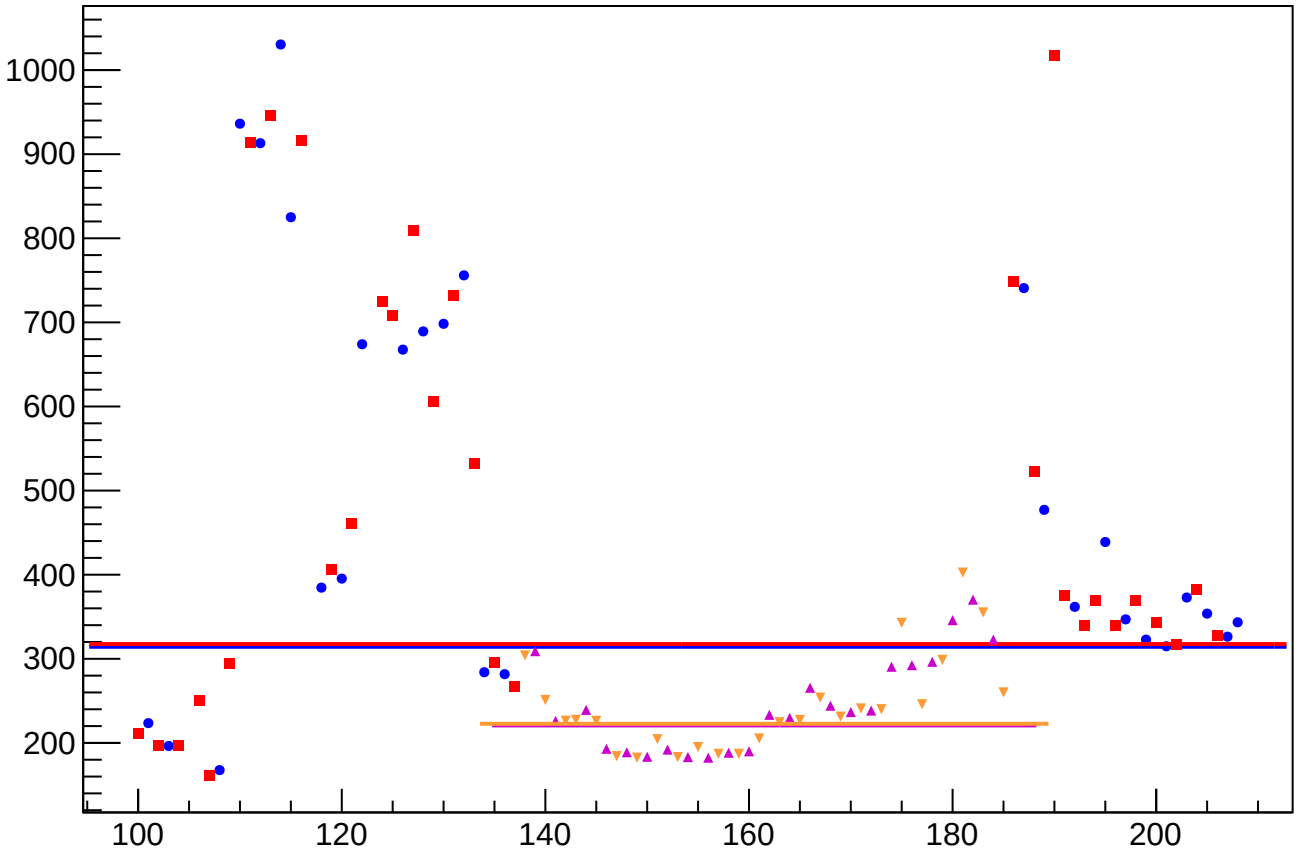
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: 0.023+/-0.061 χ^2/NDF: 71.5/57

In: 0.037+/-0.045 χ^2/NDF:67.7/49

Out: 0.072+/-0.044 χ^2/NDF:72.0/55

All: 0.055+/-0.032 χ^2/NDF: 140.0/105



Right In: 314.330+/-0.061 χ^2/NDF: 4135792.2/26

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 317.549+/-0.061 χ^2/NDF: 4700062.7/30

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

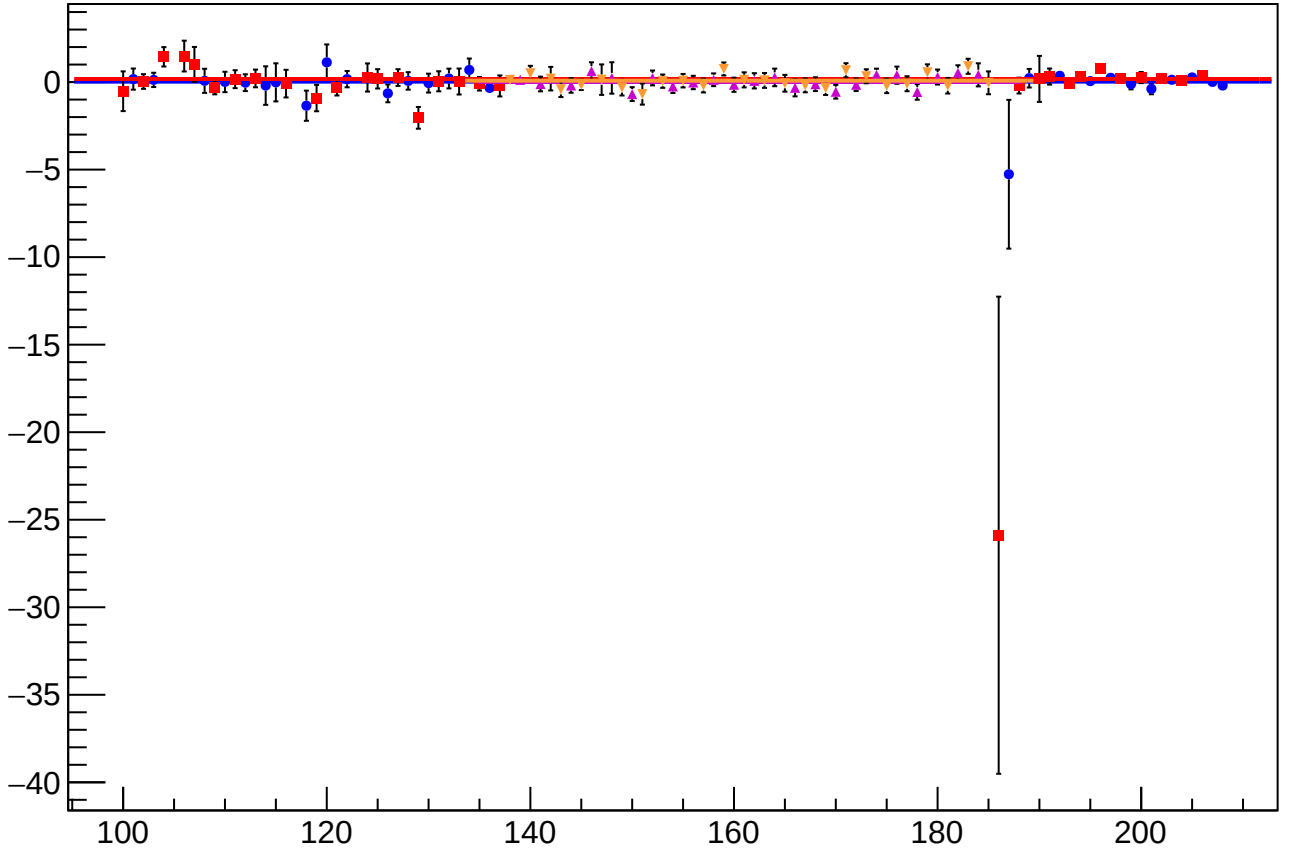
Right: 315.926+/-0.043 χ^2/NDF: 8837254.4/57

In: 246.670+/-0.032 χ^2/NDF:7331879.7/49

Out: 247.871+/-0.031 χ^2/NDF:7920987.2/55

All: 247.278+/-0.022 χ^2/NDF: 15253586.9/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.070 χ^2/NDF: 16.9/26

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.175+/-0.073 χ^2/NDF: 39.1/30

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

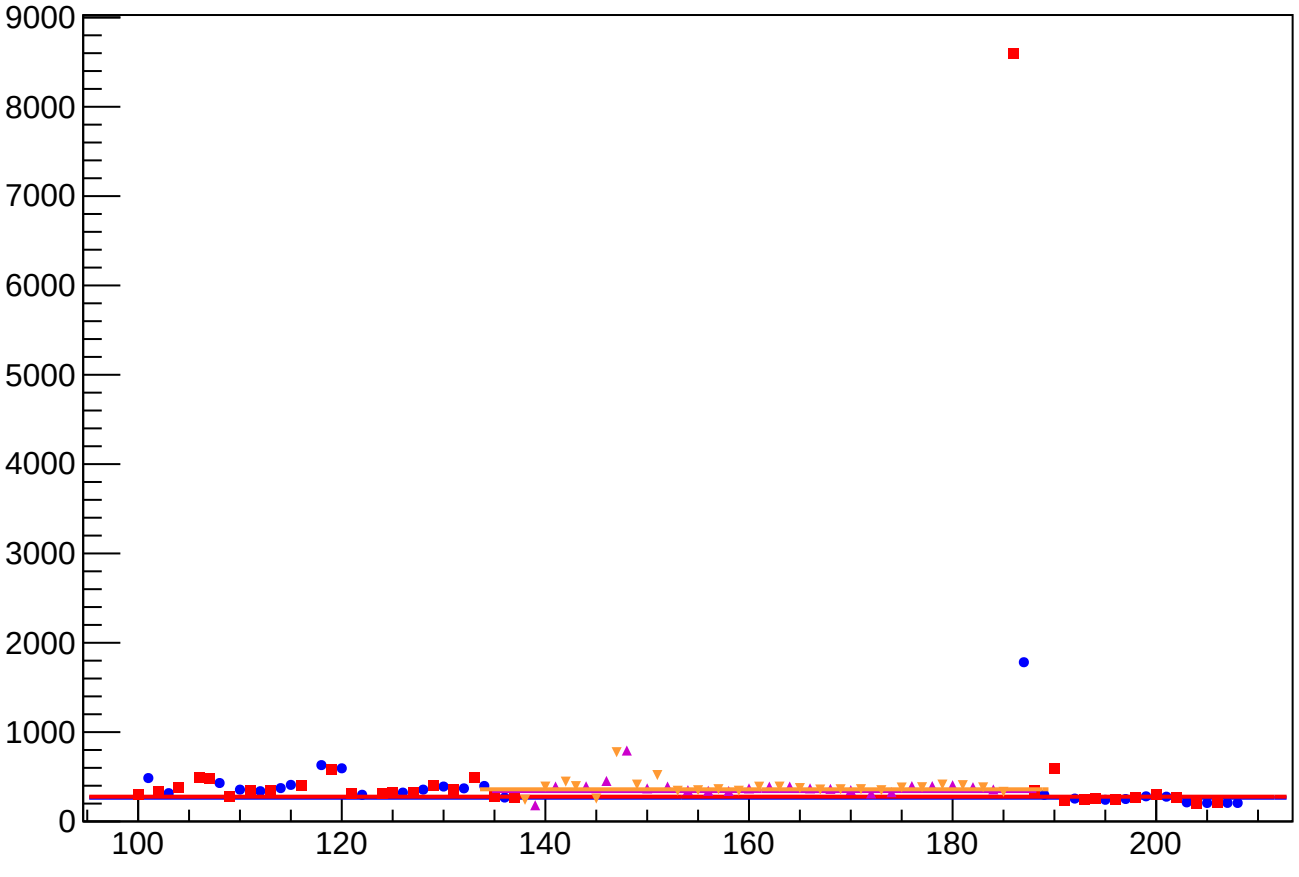
Right: 0.098+/-0.050 χ^2/NDF: 58.2/57

In: 0.019+/-0.054 χ^2/NDF:32.1/49

Out: 0.134+/-0.055 χ^2/NDF:58.8/55

All: 0.075+/-0.038 χ^2/NDF: 93.2/105

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 265.517+/-0.050 χ^2/NDF: 2299368.5/26

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 277.313+/-0.051 χ^2/NDF: 2534529.5/30

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

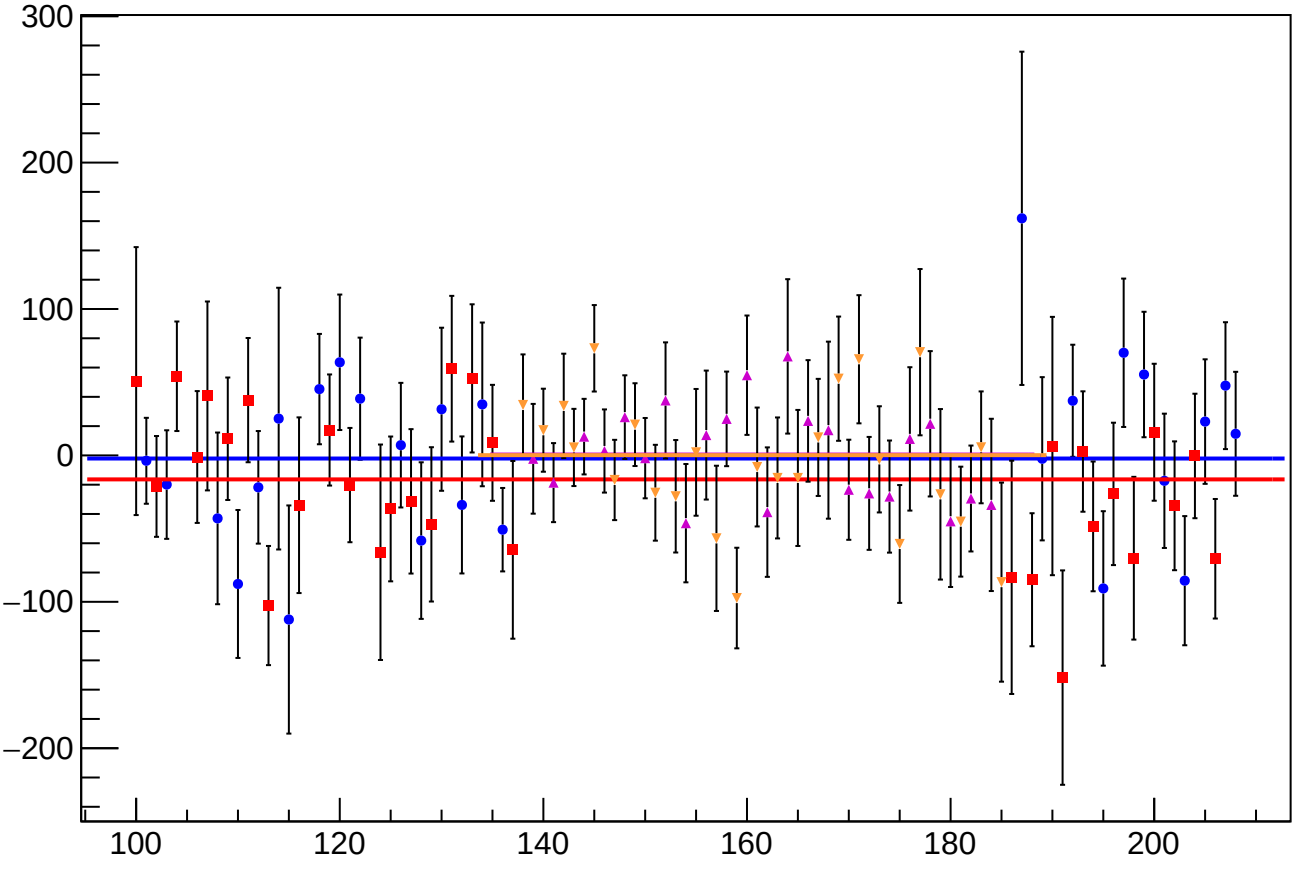
Right: 271.195+/-0.036 χ^2/NDF: 4861146.5/57

In: 296.624+/-0.038 χ^2/NDF:5467258.3/49

Out: 312.627+/-0.039 χ^2/NDF:4977226.7/55

All: 304.393+/-0.027 χ^2/NDF: 10531322.1/10

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

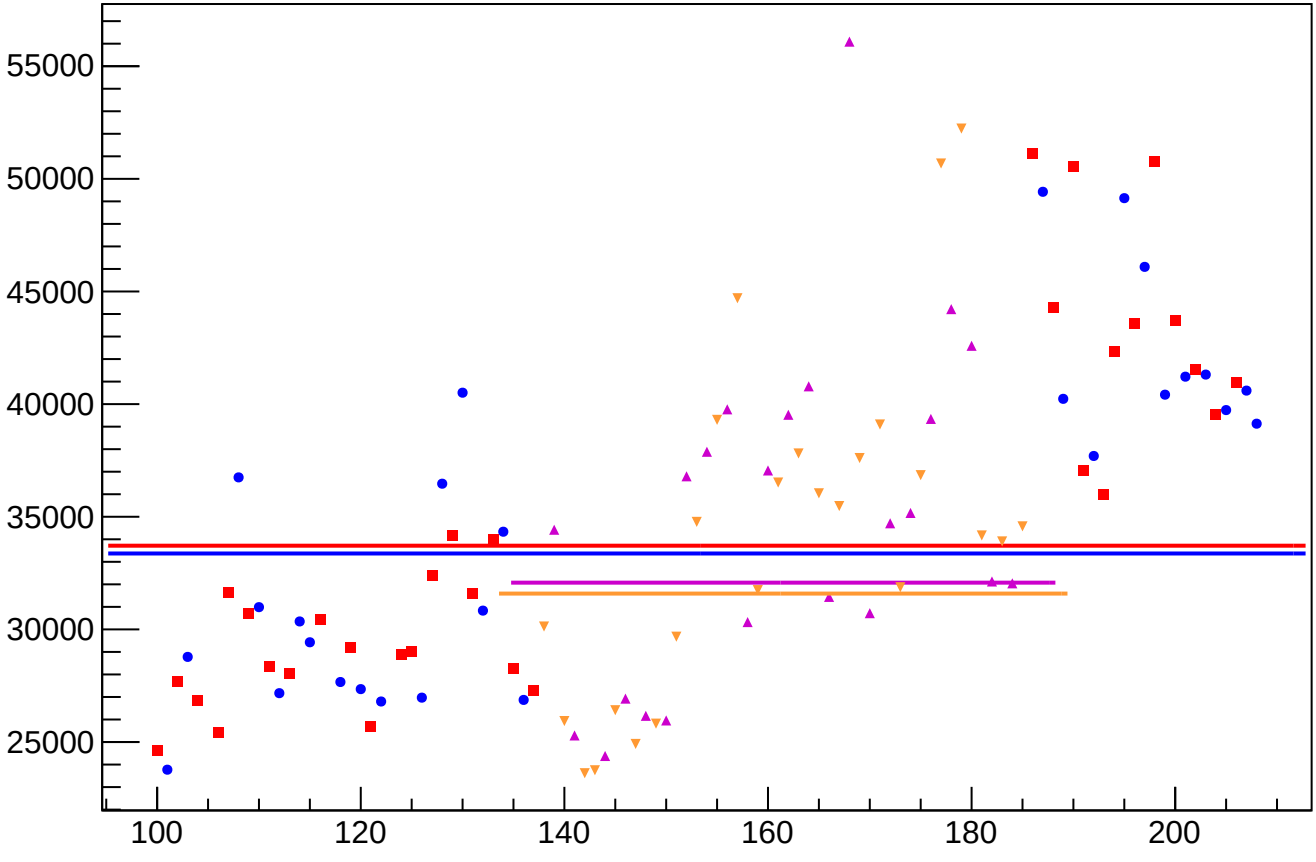
Right: -9.317+/-6.053 χ^2/NDF: 61.9/57

In: -0.616+/-5.723 χ^2/NDF:44.0/49

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -3.848+/-3.994 χ^2/NDF: 107.3/105

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

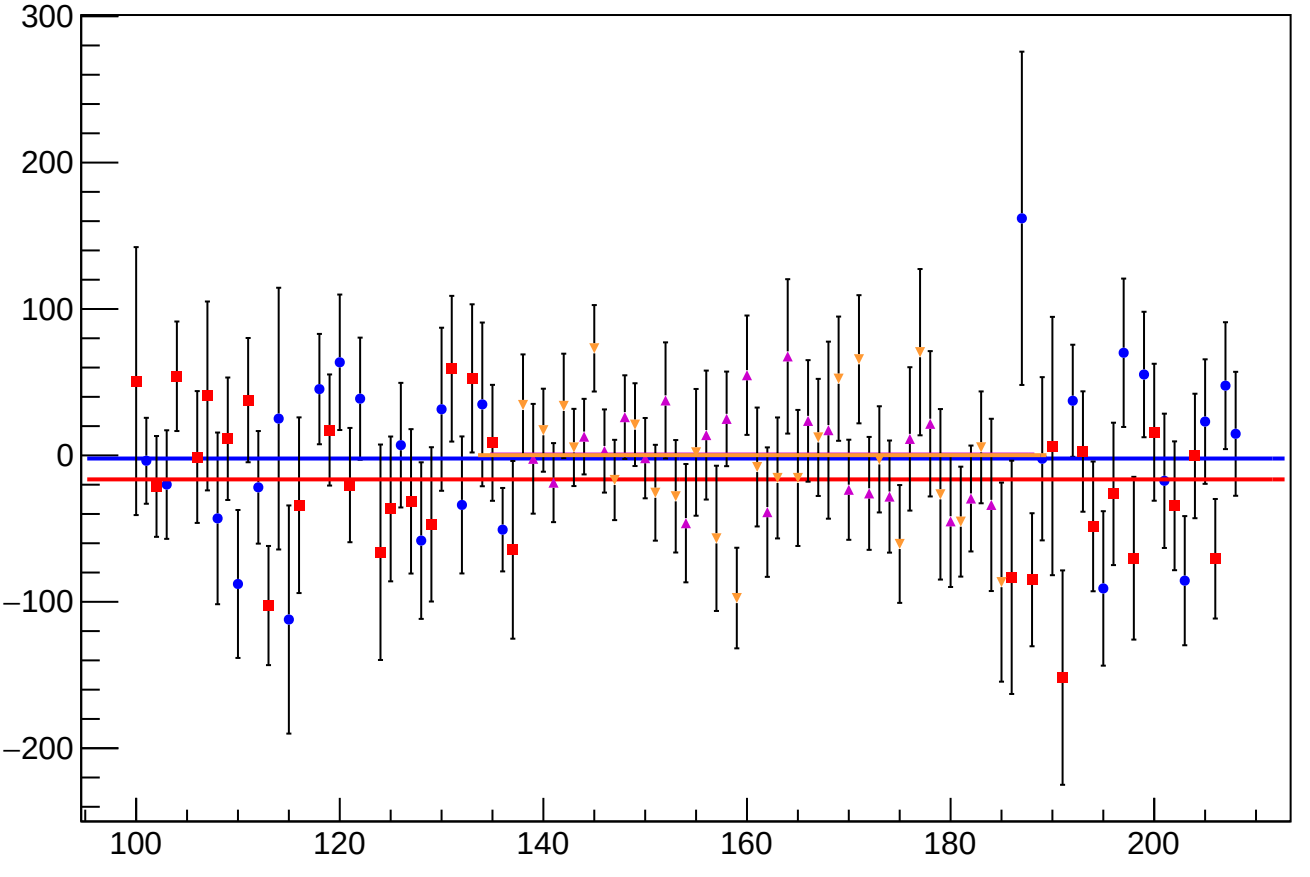
Right: 33544.195+/-4.280 χ^2/NDF: 2754187.9/57

In: 32648.439+/-4.047 χ^2/NDF:2836363.7/49

Out: 32500.146+/-3.943 χ^2/NDF:3059187.7/55

All: 32572.375+/-2.824 χ^2/NDF: 5896240.3/

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

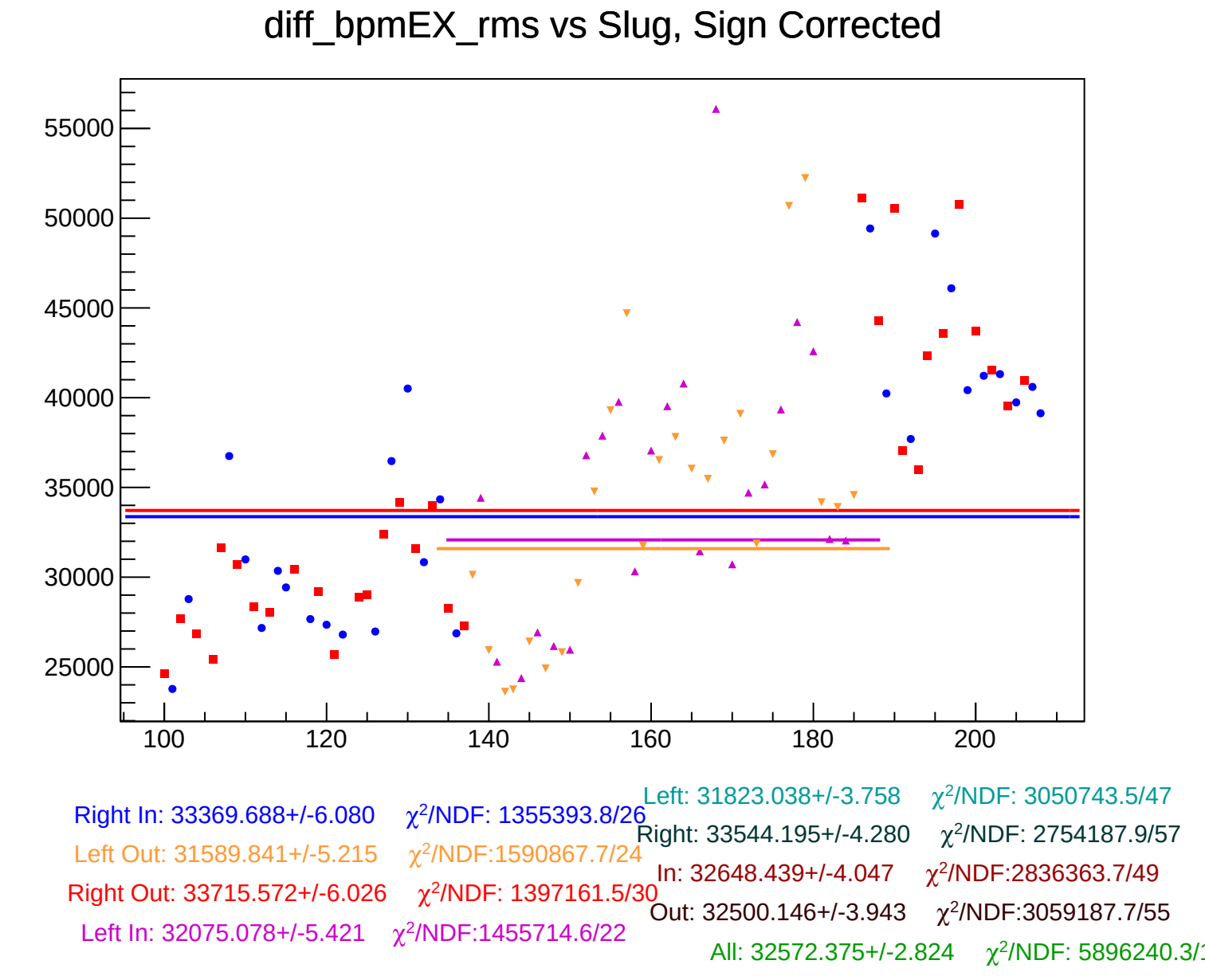
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -9.317+/-6.053 χ^2/NDF: 61.9/57

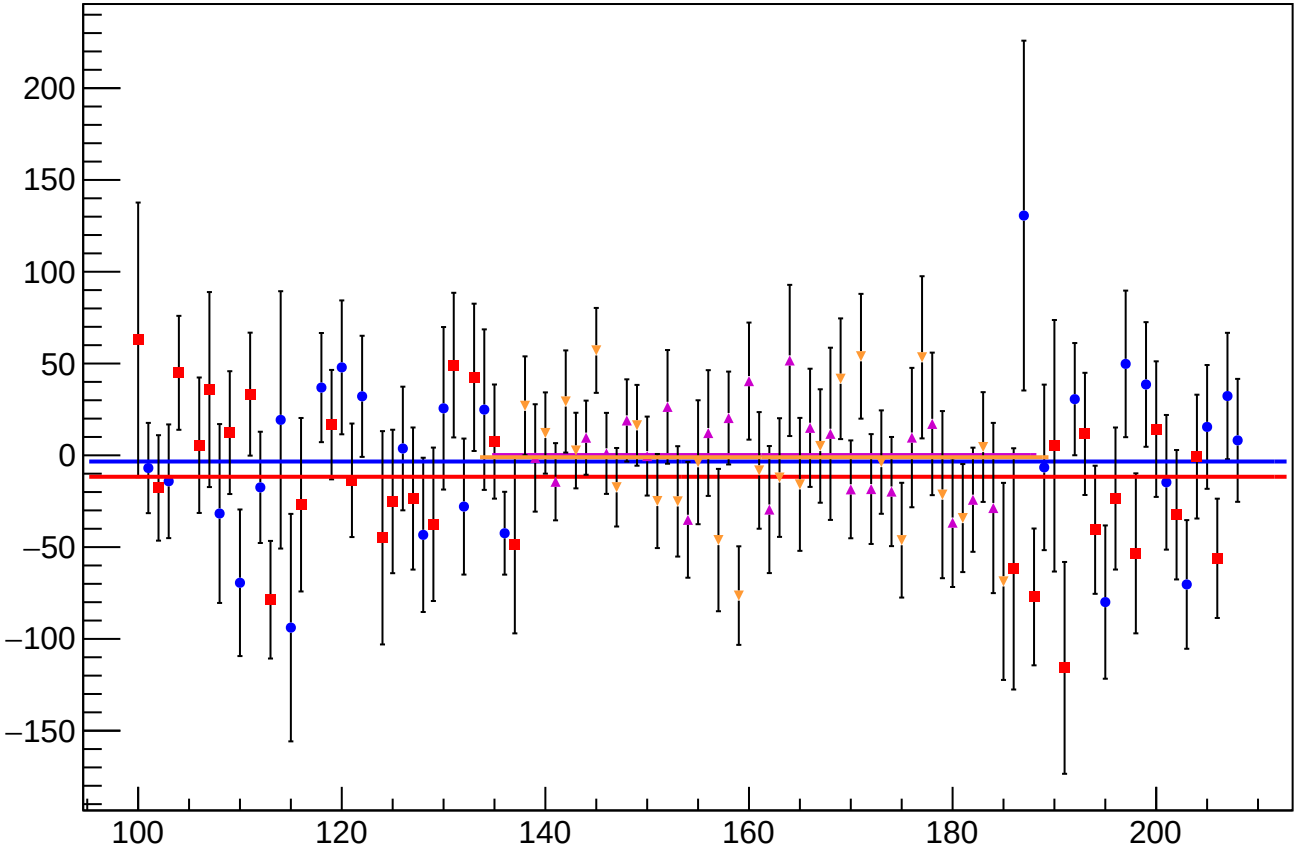
In: -0.616+/-5.723 χ^2/NDF:44.0/49

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -3.848+/-3.994 χ^2/NDF: 107.3/105


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33369.688+/-6.080 χ²/NDF: 1355393.8/26
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33715.572+/-6.026 χ²/NDF: 1397161.5/30
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 33544.195+/-4.280 χ²/NDF: 2754187.9/57
In: 32648.439+/-4.047 χ²/NDF:2836363.7/49
Out: 32500.146+/-3.943 χ²/NDF:3059187.7/55
All: 32572.375+/-2.824 χ²/NDF: 5896240.3/

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.371+/-6.869 χ^2/NDF: 31.0/26

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -11.681+/-6.809 χ^2/NDF: 31.2/30

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

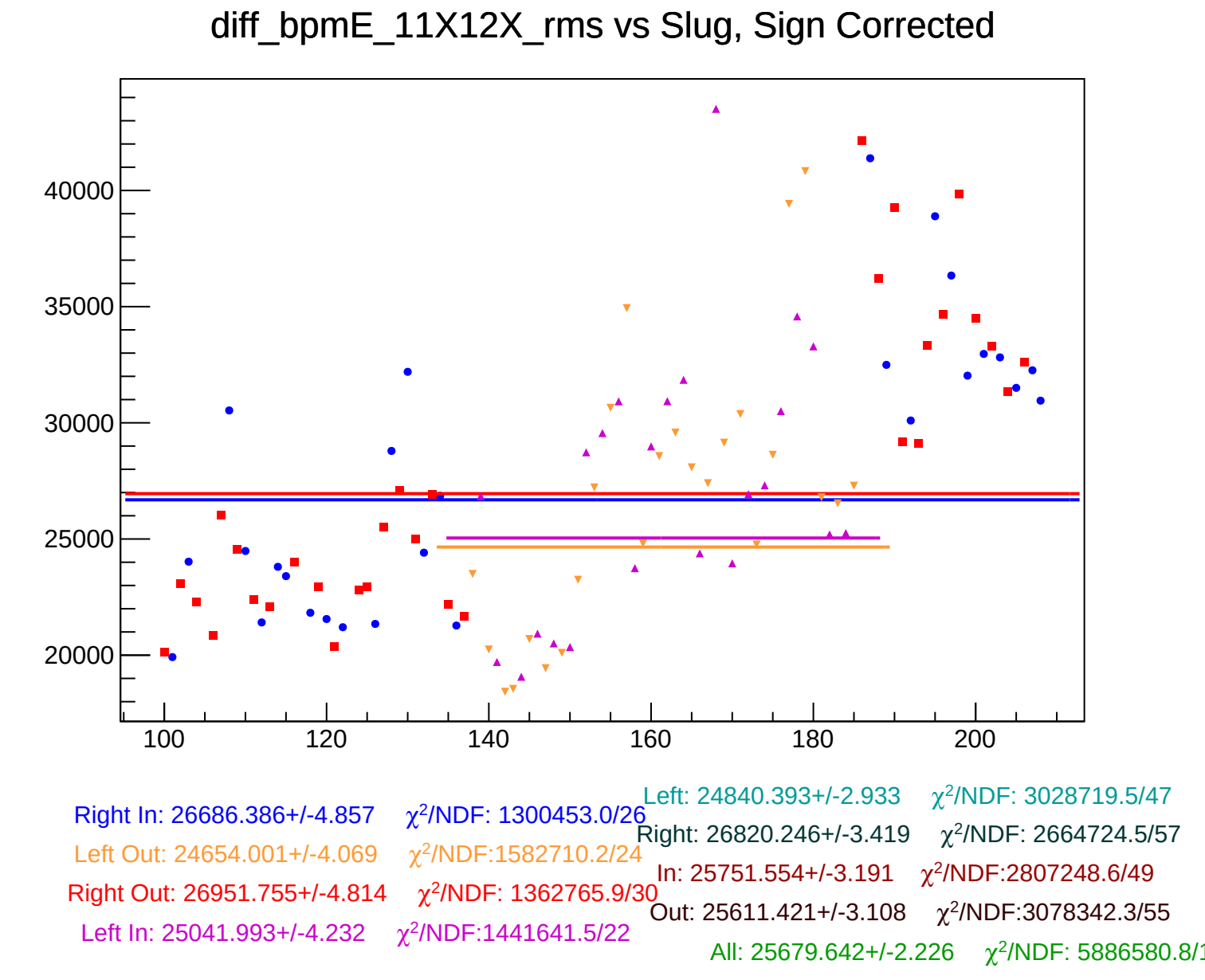
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -7.563+/-4.836 χ^2/NDF: 62.9/57

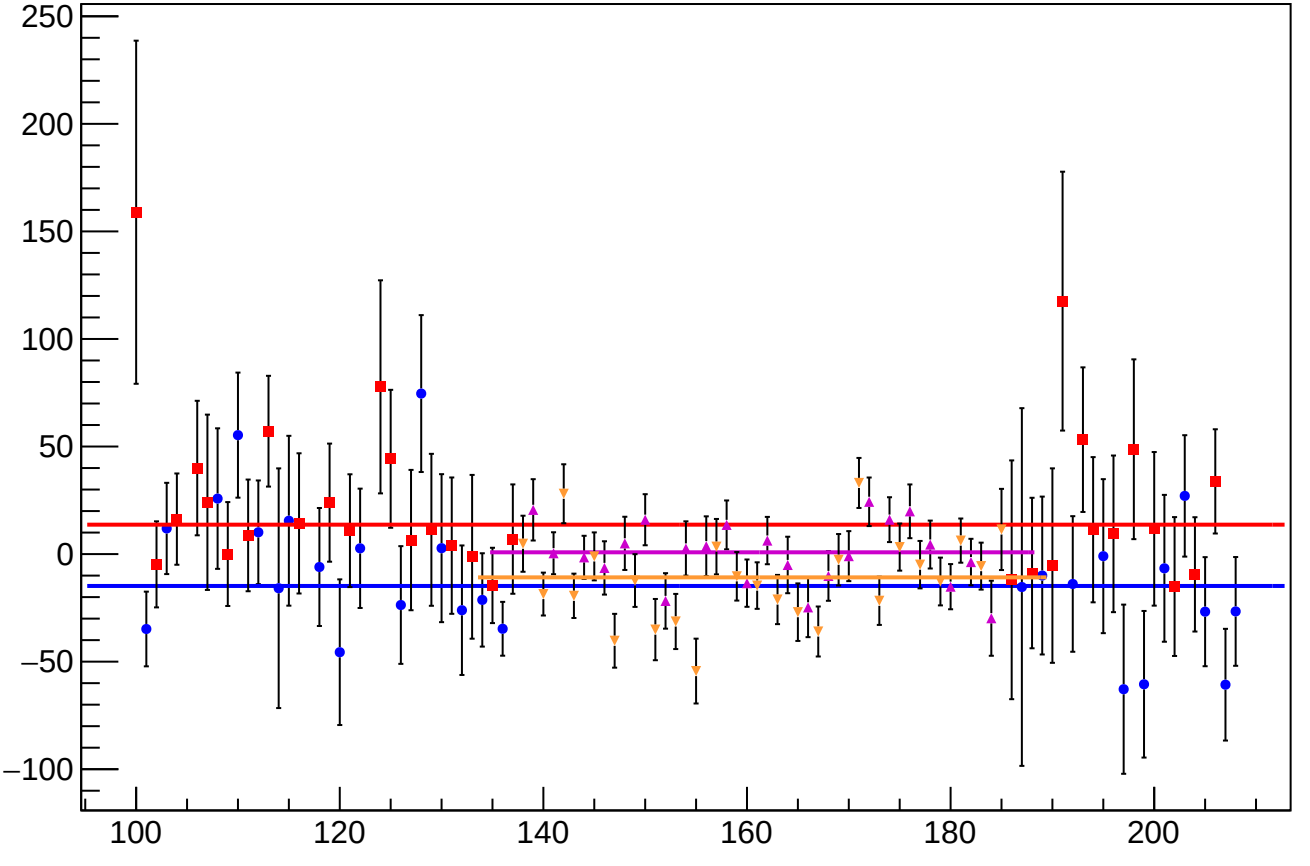
In: -1.371+/-4.512 χ^2/NDF:43.3/49

Out: -5.475+/-4.395 χ^2/NDF:64.9/55

All: -3.477+/-3.148 χ^2/NDF: 108.6/105


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26686.386+/-4.857 χ²/NDF: 1300453.0/26
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26951.755+/-4.814 χ²/NDF: 1362765.9/30
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 26820.246+/-3.419 χ²/NDF: 2664724.5/57
In: 25751.554+/-3.191 χ²/NDF:2807248.6/49
Out: 25611.421+/-3.108 χ²/NDF:3078342.3/55
All: 25679.642+/-2.226 χ²/NDF: 5886580.8/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -14.817+/-5.178 χ^2/NDF: 31.7/26

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 13.677+/-5.390 χ^2/NDF: 22.0/30

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

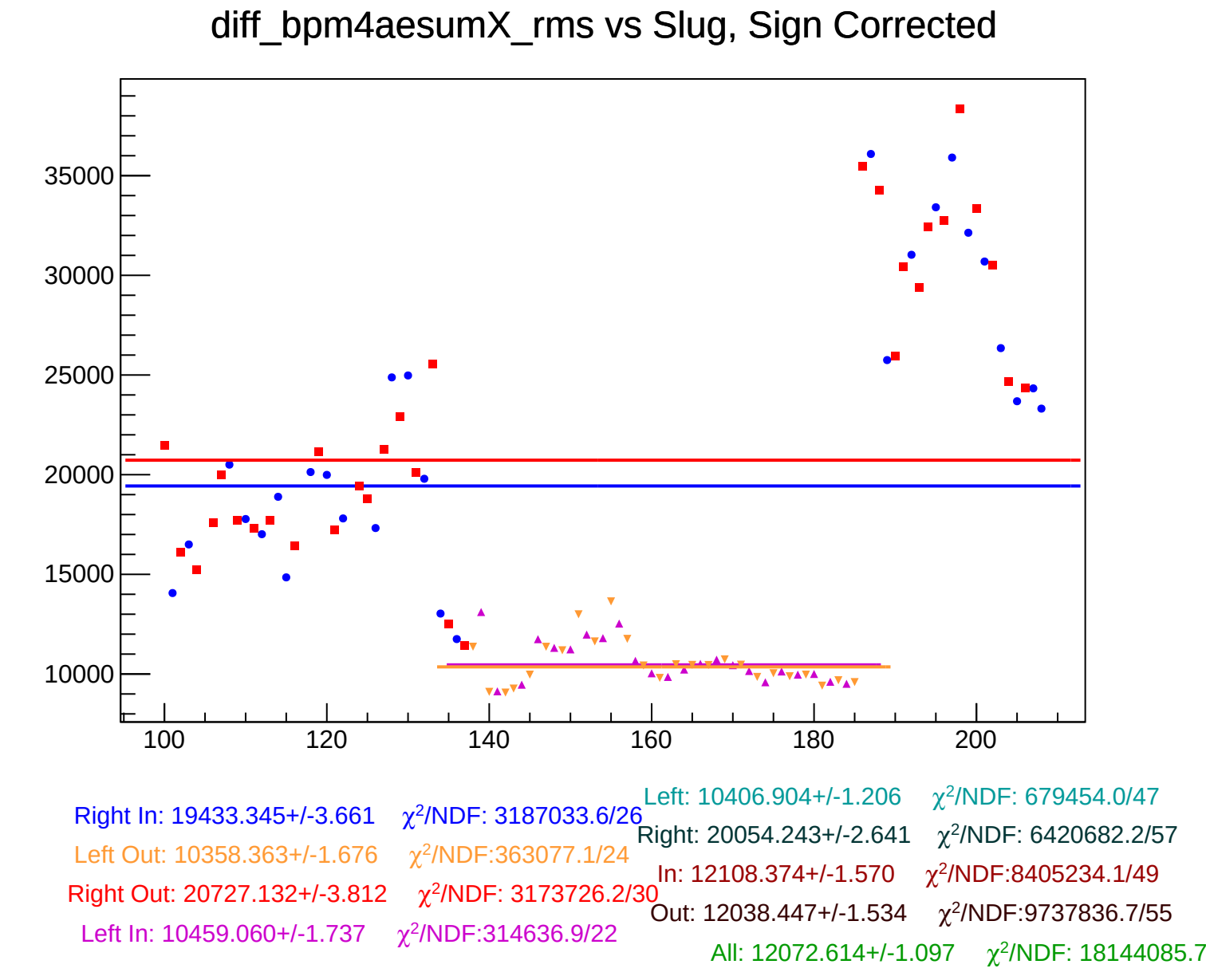
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

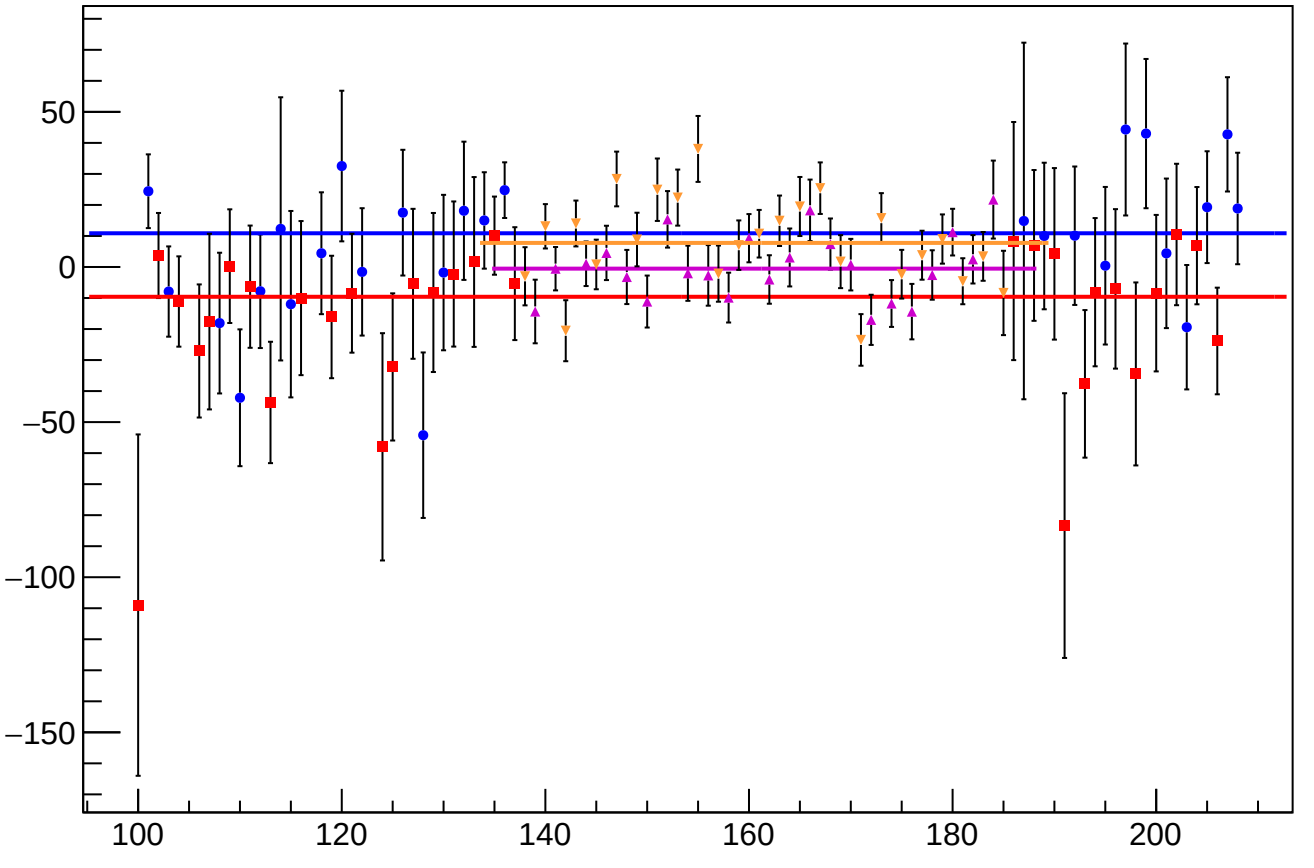
Right: -1.143+/-3.734 χ^2/NDF: 68.2/57

In: -2.049+/-2.220 χ^2/NDF:68.5/49

Out: -6.853+/-2.170 χ^2/NDF:100.6/55

All: -4.505+/-1.552 χ^2/NDF: 171.5/105


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 19433.345+/-3.661 χ²/NDF: 3187033.6/26
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 20727.132+/-3.812 χ²/NDF: 3173726.2/30
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 20054.243+/-2.641 χ²/NDF: 6420682.2/57
In: 12108.374+/-1.570 χ²/NDF:8405234.1/49
Out: 12038.447+/-1.534 χ²/NDF:9737836.7/55
All: 12072.614+/-1.097 χ²/NDF: 18144085.7



Right In: 10.870+/-3.698 χ^2/NDF: 31.3/26

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.602+/-3.857 χ^2/NDF: 22.1/30

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

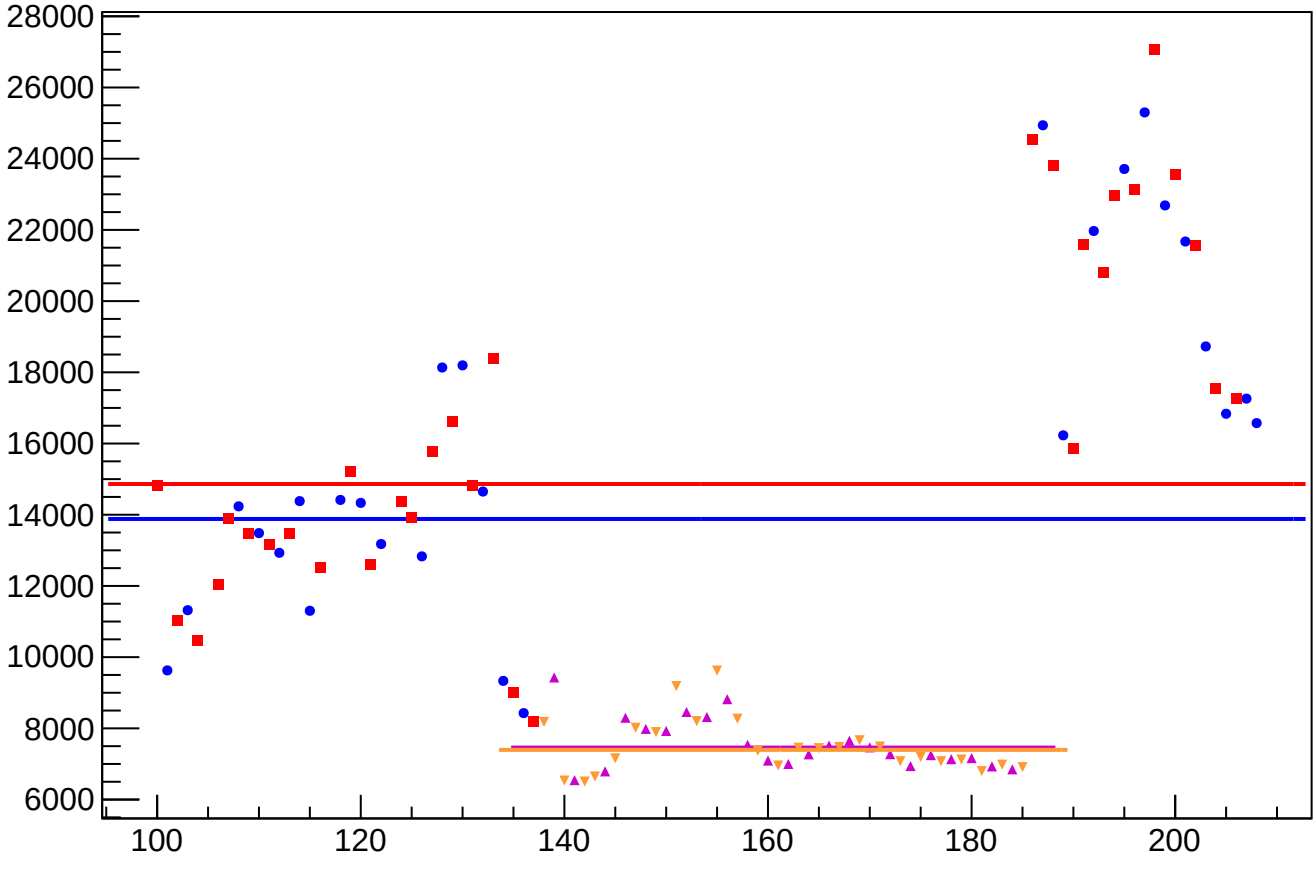
Right: 1.067+/-2.669 χ^2/NDF: 68.2/57

In: 1.558+/-1.583 χ^2/NDF:68.6/49

Out: 4.963+/-1.549 χ^2/NDF:100.1/55

All: 3.298+/-1.107 χ^2/NDF: 171.0/105

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13881.192+/-2.615 χ^2/NDF: 3127756.0/26

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14862.632+/-2.728 χ^2/NDF: 3055509.7/30

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

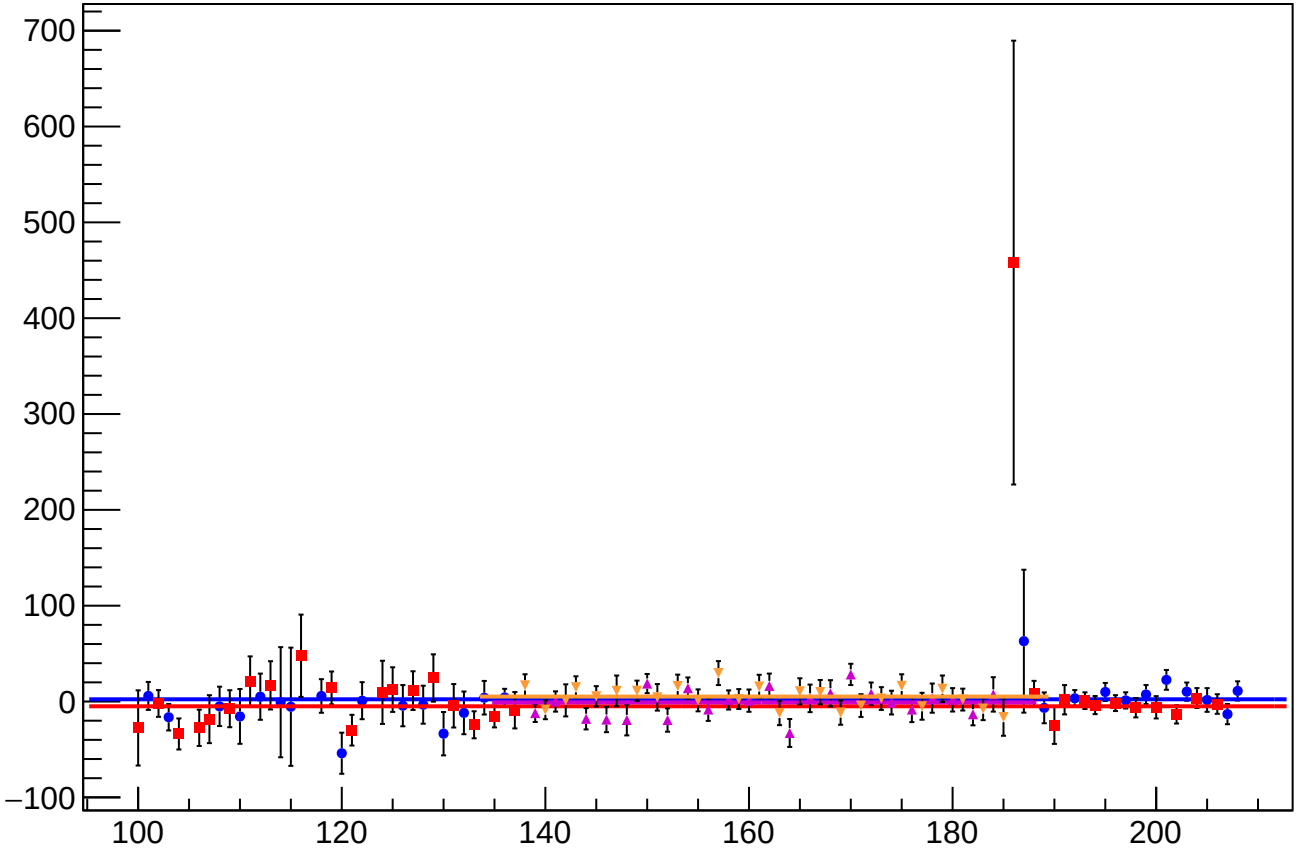
Right: 14351.175+/-1.888 χ^2/NDF: 6250734.5/57

In: 8637.843+/-1.120 χ^2/NDF:8335876.9/49

Out: 8599.852+/-1.095 χ^2/NDF:9665482.8/55

All: 8618.433+/-0.783 χ^2/NDF: 18001948.1/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.331+/-2.607 χ^2/NDF: 21.9/26

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -4.964+/-2.582 χ^2/NDF: 26.1/30

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

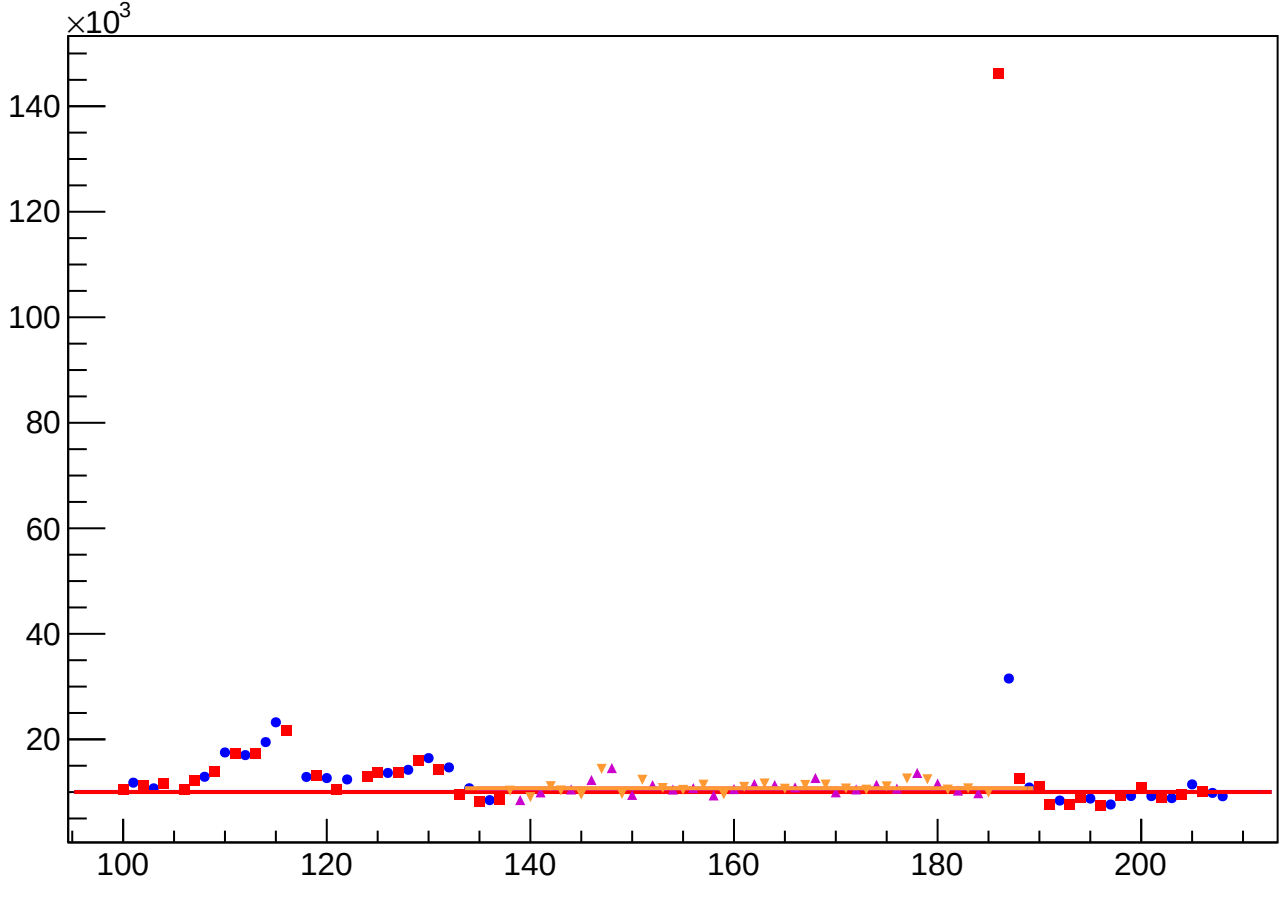
Right: -1.352+/-1.834 χ^2/NDF: 52.0/57

In: 0.664+/-1.811 χ^2/NDF:54.5/49

Out: 0.354+/-1.780 χ^2/NDF:52.6/55

All: 0.506+/-1.270 χ^2/NDF: 107.1/105

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10030.942+/-1.843 χ^2/NDF: 1624627.1/26

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10012.048+/-1.826 χ^2/NDF: 2291425.0/30

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

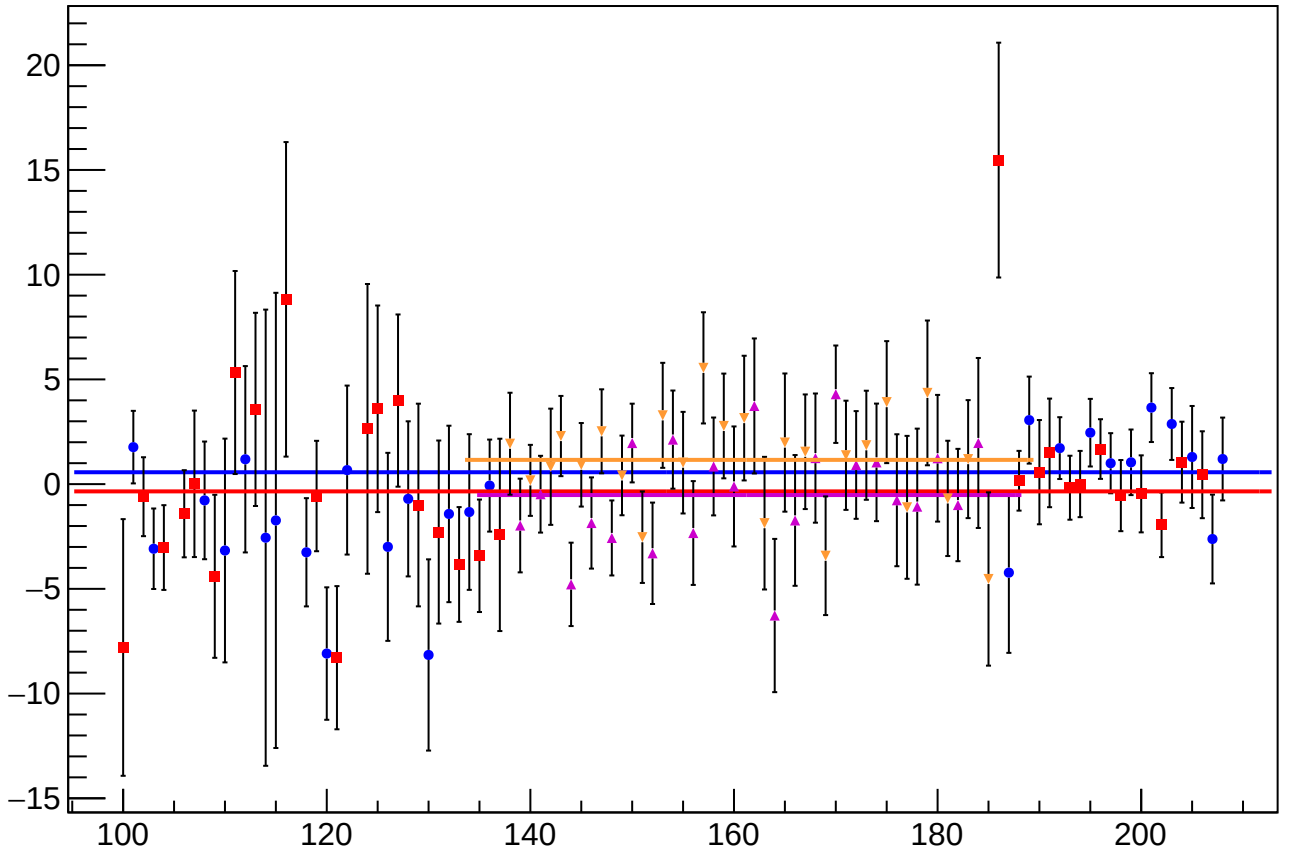
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10021.403+/-1.297 χ^2/NDF: 3916105.2/57

In: 10365.184+/-1.281 χ^2/NDF:2188768.2/49

Out: 10390.464+/-1.259 χ^2/NDF:2741655.4/55

All: 10378.041+/-0.898 χ^2/NDF: 4930621.7/1



Right In: 0.567+/-0.445 χ^2/NDF: 32.5/26

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.347+/-0.426 χ^2/NDF: 31.4/30

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

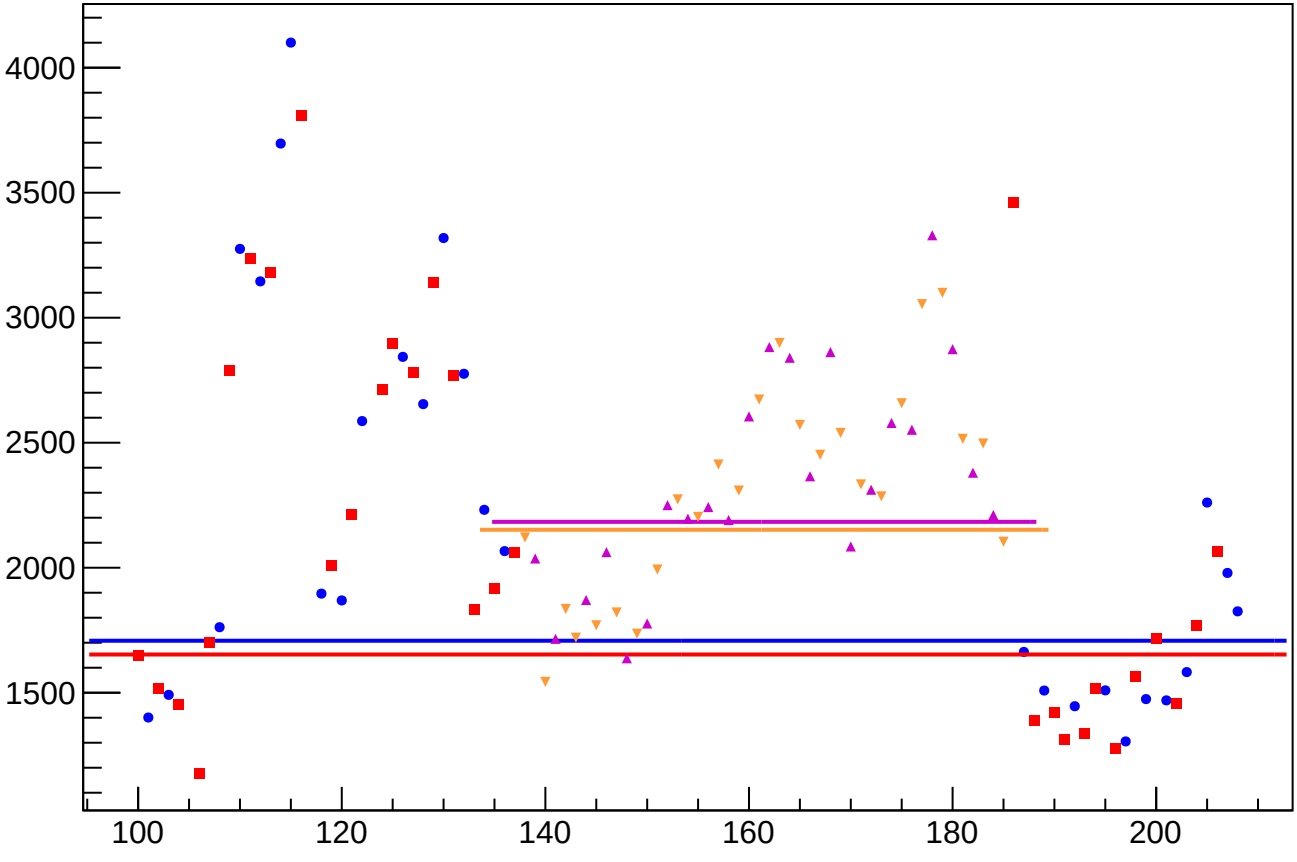
Right: 0.090+/-0.308 χ^2/NDF: 66.2/57

In: 0.106+/-0.338 χ^2/NDF:57.4/49

Out: 0.285+/-0.324 χ^2/NDF:53.5/55

All: 0.200+/-0.234 χ^2/NDF: 111.1/105

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1707.972+/-0.315 χ^2/NDF: 1982824.2/26

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1652.885+/-0.301 χ^2/NDF: 2374507.6/30

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

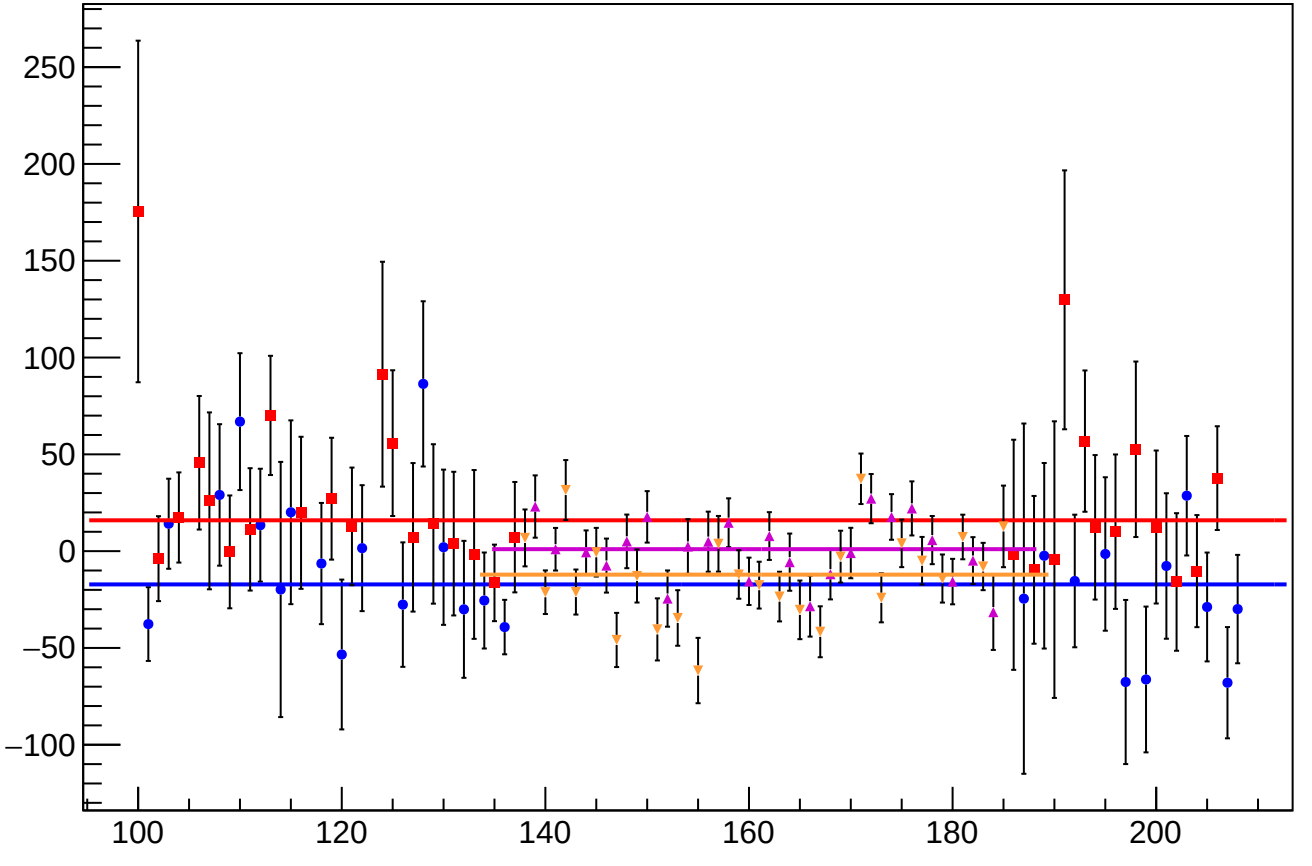
Right: 1679.185+/-0.218 χ^2/NDF: 4373329.0/57

In: 1909.189+/-0.239 χ^2/NDF:4110304.2/49

Out: 1862.409+/-0.229 χ^2/NDF:4878201.3/55

All: 1884.807+/-0.165 χ^2/NDF: 9008452.4/10

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -17.180+/-5.865 χ^2/NDF: 31.3/26

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 15.933+/-6.125 χ^2/NDF: 22.1/30

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

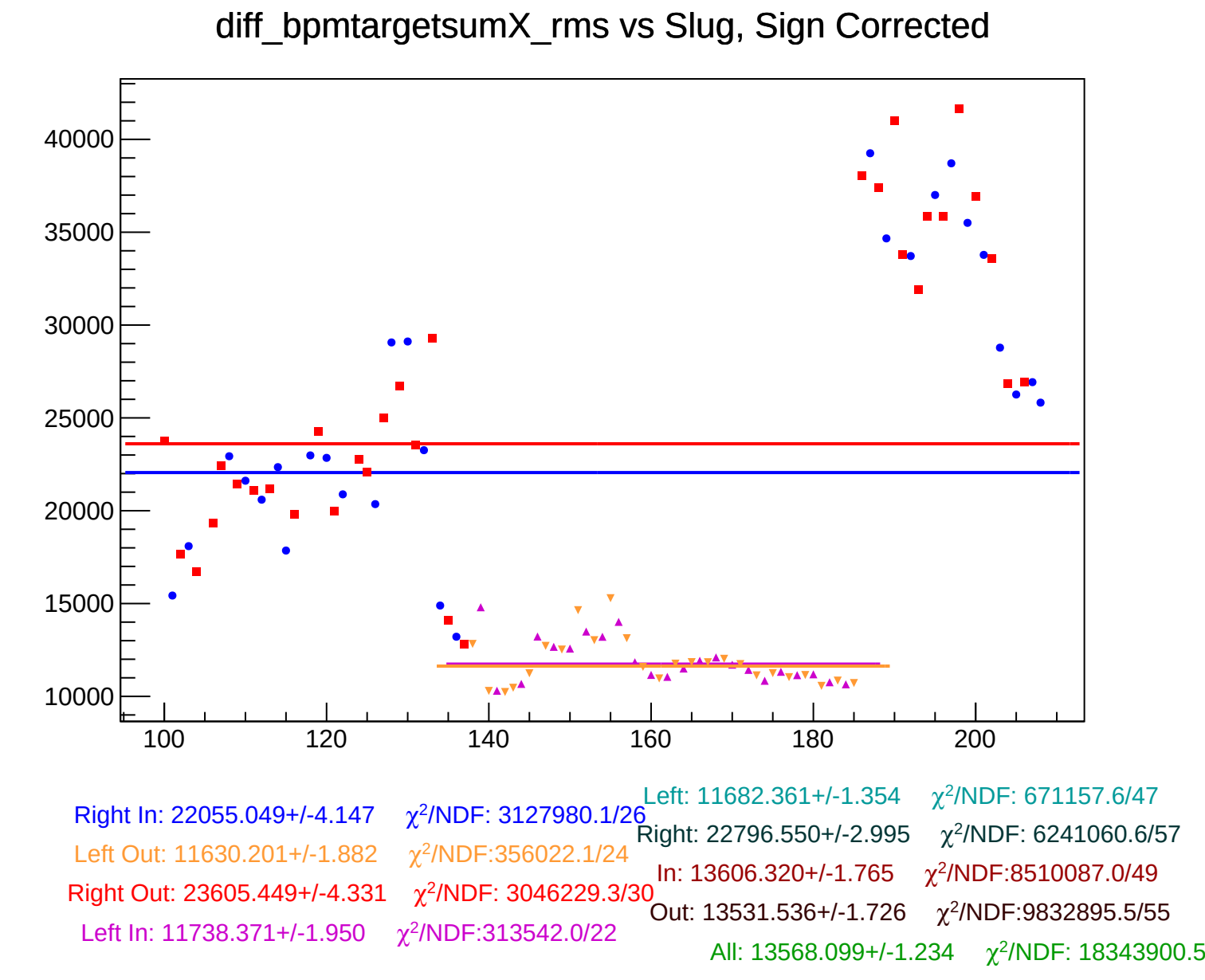
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

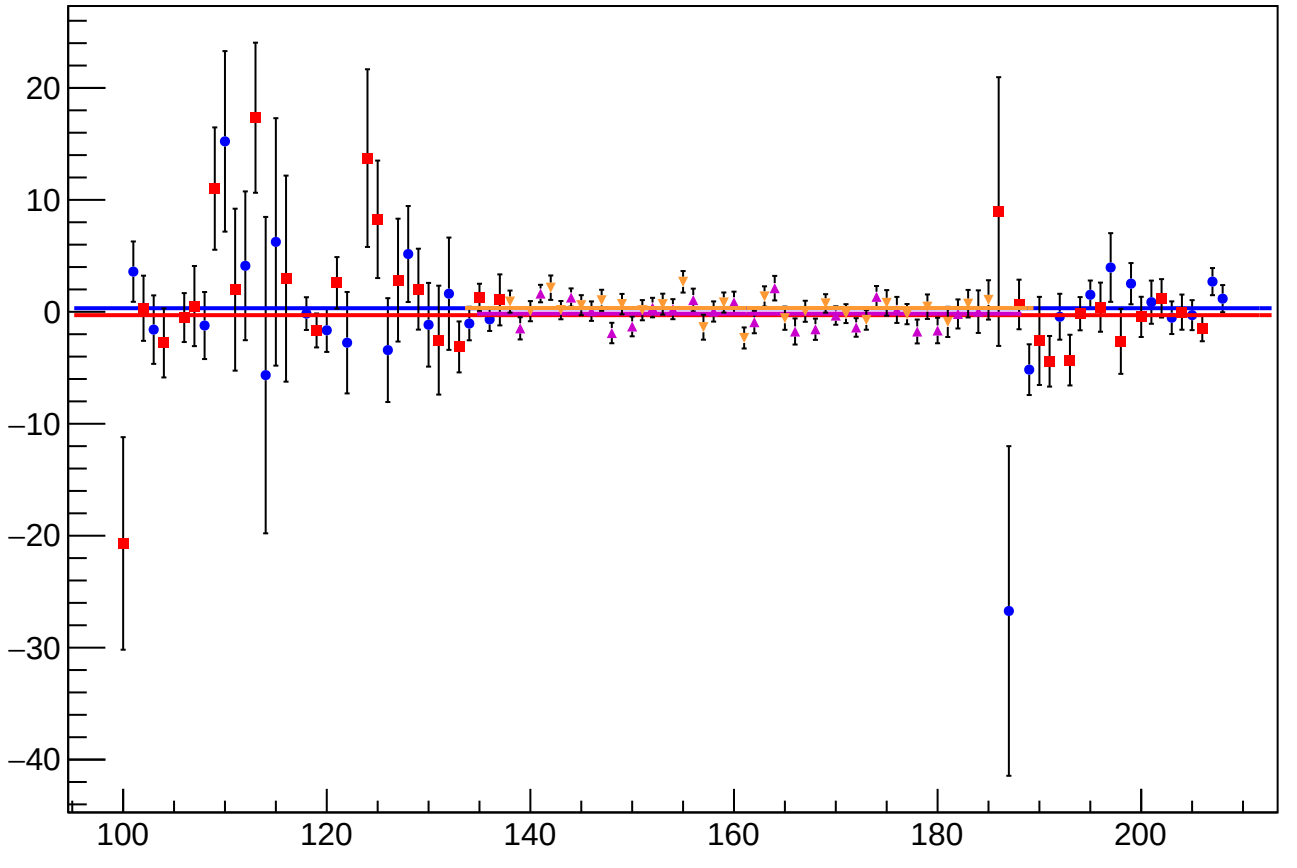
Right: -1.343+/-4.236 χ^2/NDF: 68.7/57

In: -2.272+/-2.495 χ^2/NDF:68.0/49

Out: -7.678+/-2.441 χ^2/NDF:102.4/55

All: -5.035+/-1.745 χ^2/NDF: 172.8/105


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22055.049+/-4.147 χ²/NDF: 3127980.1/26
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23605.449+/-4.331 χ²/NDF: 3046229.3/30
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 22796.550+/-2.995 χ²/NDF: 6241060.6/57
In: 13606.320+/-1.765 χ²/NDF:8510087.0/49
Out: 13531.536+/-1.726 χ²/NDF:9832895.5/55
All: 13568.099+/-1.234 χ²/NDF: 18343900.5



Right In: 0.323+/-0.381 χ^2/NDF: 29.9/26

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.298+/-0.417 χ^2/NDF: 39.7/30

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

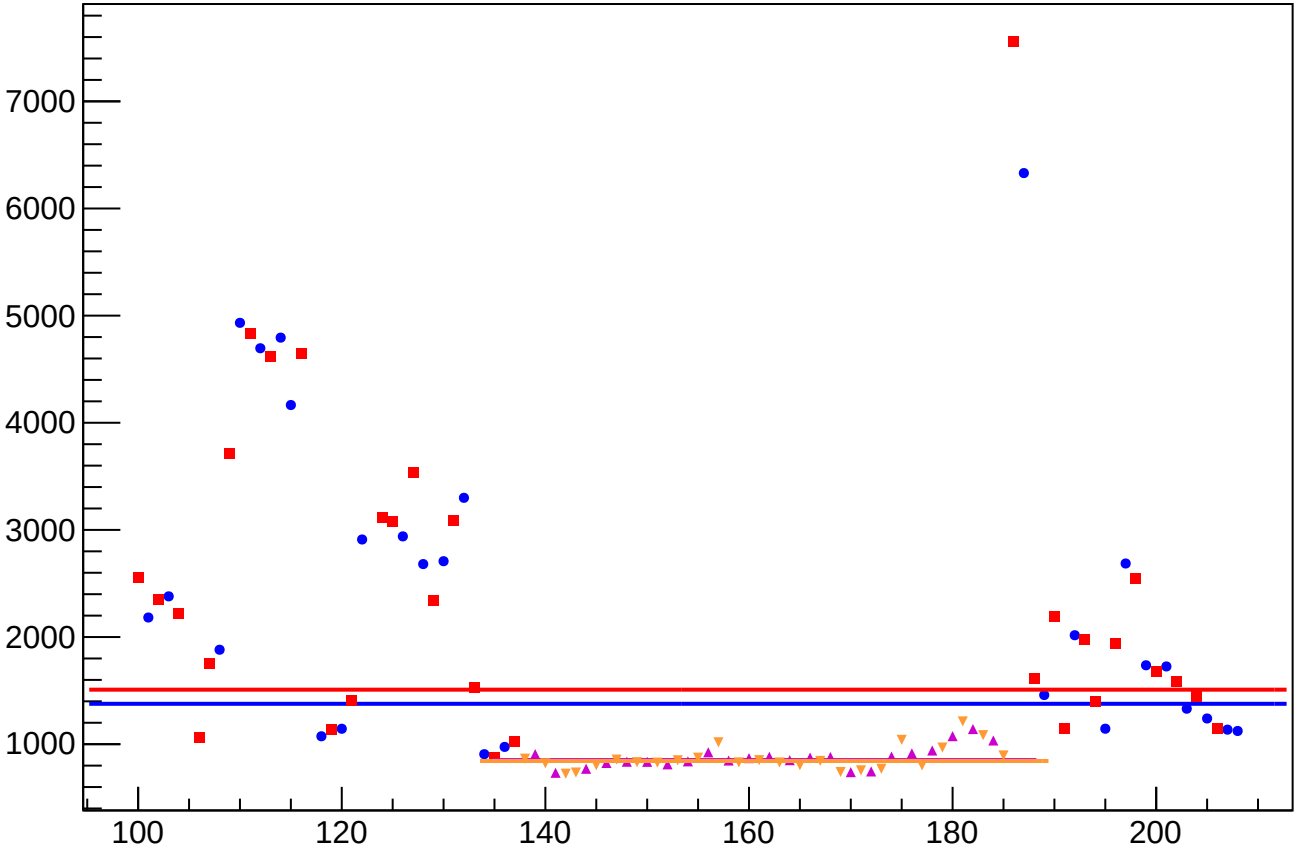
Right: 0.040+/-0.281 χ^2/NDF: 70.8/57

In: -0.059+/-0.178 χ^2/NDF:67.5/49

Out: 0.229+/-0.176 χ^2/NDF:68.5/55

All: 0.087+/-0.125 χ^2/NDF: 137.3/105

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1376.975+/-0.269 χ^2/NDF: 4568499.0/26

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1508.807+/-0.295 χ^2/NDF: 4689051.9/30

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

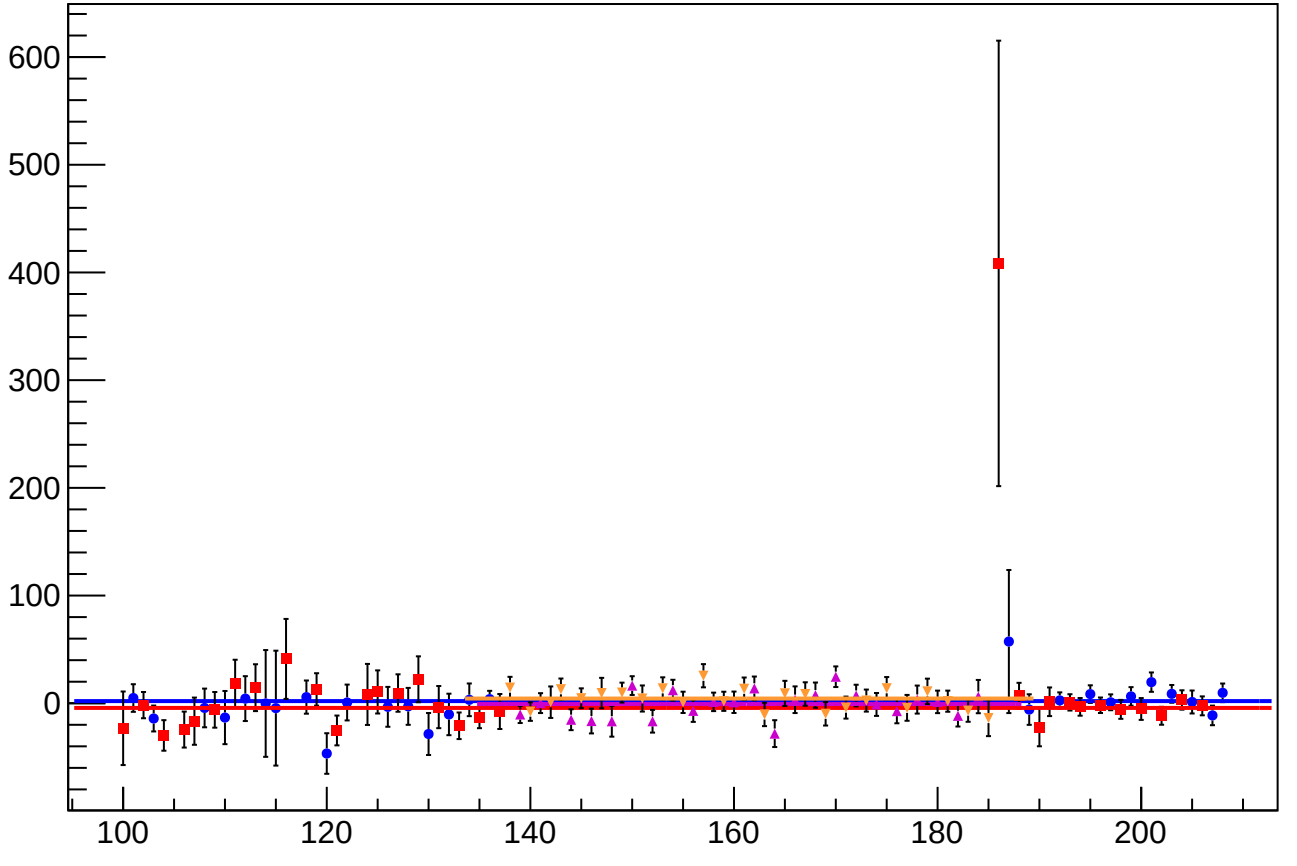
Right: 1437.035+/-0.199 χ^2/NDF: 9366593.1/57

In: 965.845+/-0.126 χ^2/NDF:7925651.7/49

Out: 961.633+/-0.124 χ^2/NDF:9390925.9/55

All: 963.715+/-0.088 χ^2/NDF: 17317145.7/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.004+/-2.260 χ^2/NDF: 21.6/26

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.329+/-2.242 χ^2/NDF: 26.0/30

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

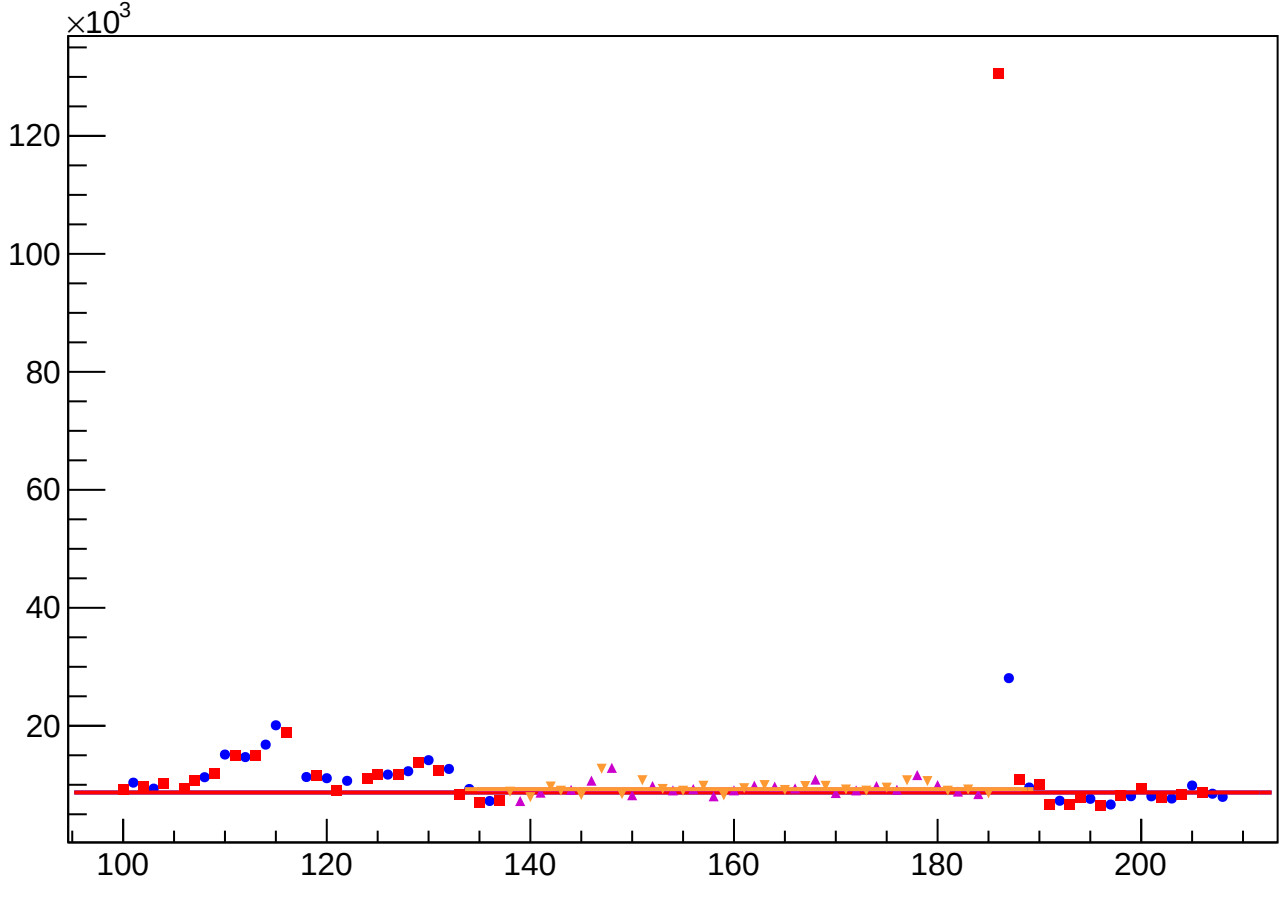
Right: -1.188+/-1.592 χ^2/NDF: 51.6/57

In: 0.580+/-1.565 χ^2/NDF:54.4/49

Out: 0.267+/-1.541 χ^2/NDF:52.6/55

All: 0.421+/-1.098 χ^2/NDF: 107.0/105

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 8692.983+/-1.598 χ^2/NDF: 1635364.5/26

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8690.931+/-1.585 χ^2/NDF: 2297245.9/30

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

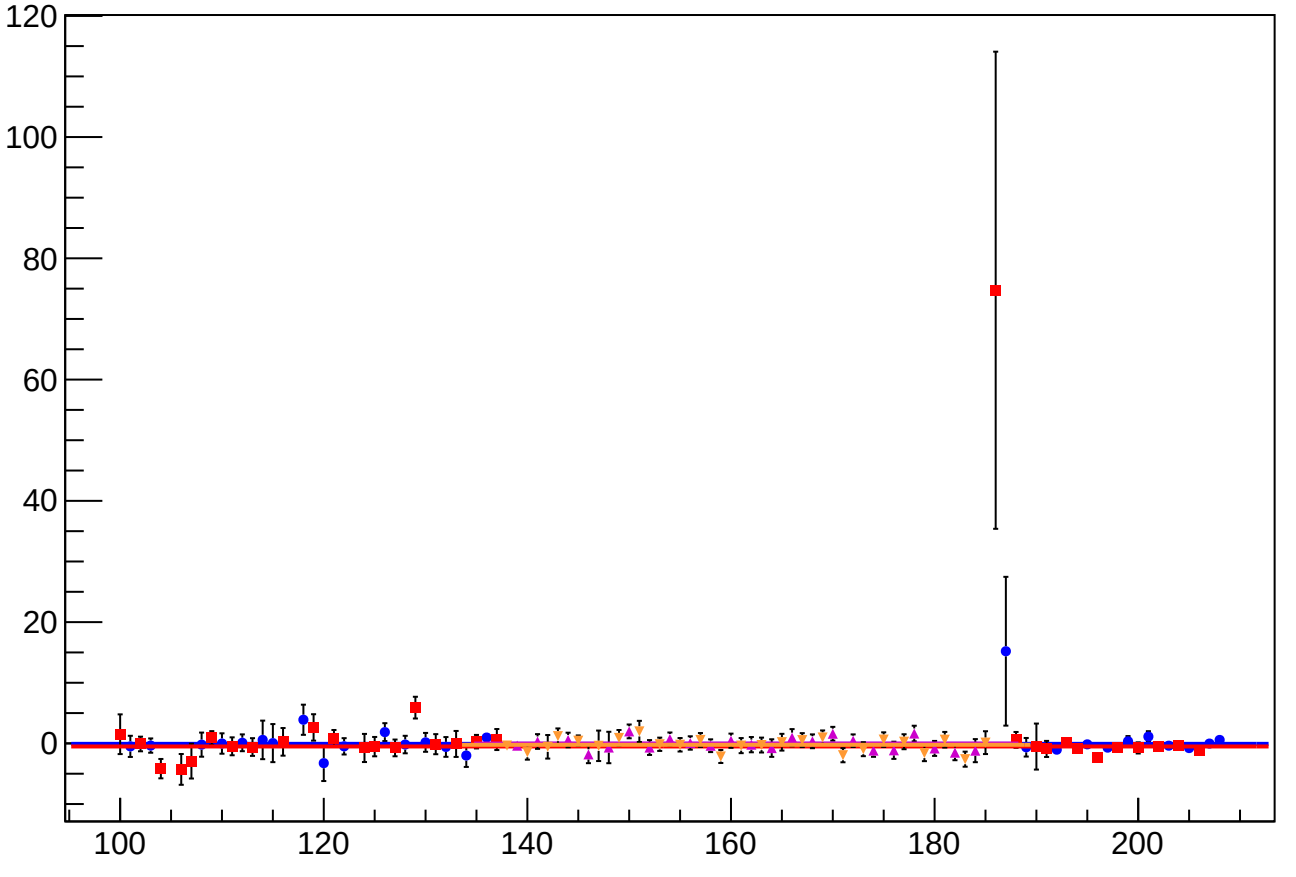
Right: 8691.949+/-1.125 χ^2/NDF: 3932611.3/57

In: 8956.470+/-1.107 χ^2/NDF:2203129.2/49

Out: 8991.963+/-1.090 χ^2/NDF:2731664.4/55

All: 8974.496+/-0.777 χ^2/NDF: 4935315.7/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.202 χ^2/NDF: 16.9/26

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.506+/-0.210 χ^2/NDF: 39.1/30

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

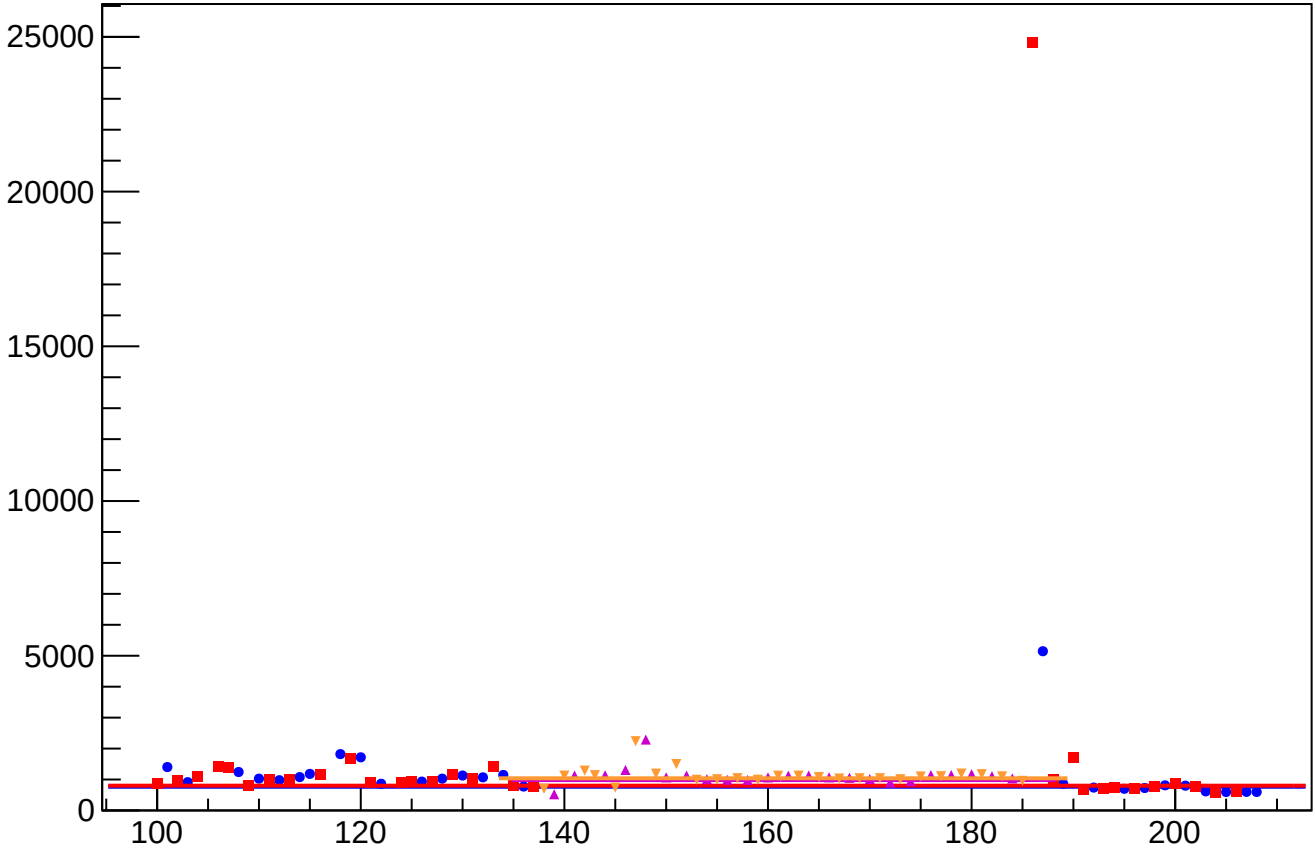
Right: -0.282+/-0.146 χ^2/NDF: 58.2/57

In: -0.054+/-0.154 χ^2/NDF:32.1/49

Out: -0.388+/-0.159 χ^2/NDF:58.8/55

All: -0.216+/-0.111 χ^2/NDF: 93.2/105

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 766.579+/-0.143 χ^2/NDF: 2299368.5/26

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 800.635+/-0.149 χ^2/NDF: 2534529.5/30

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

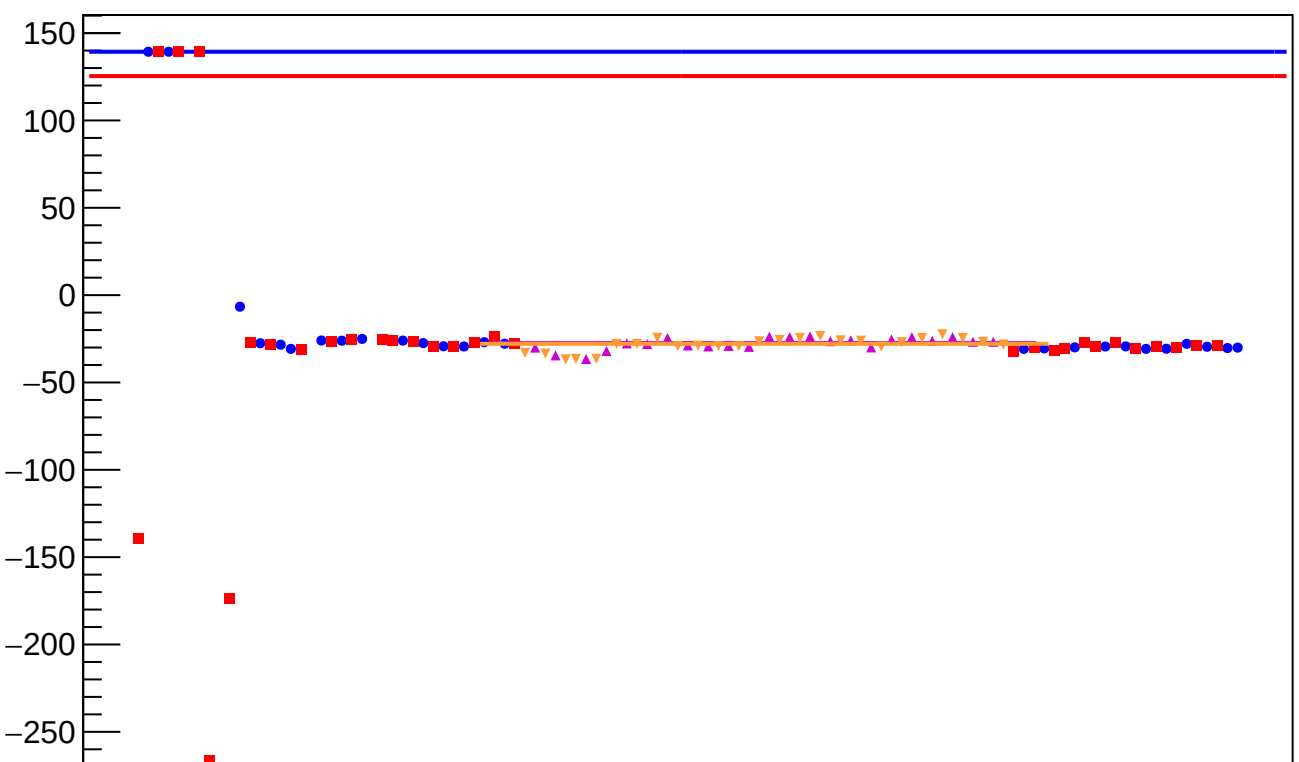
Right: 782.973+/-0.103 χ^2/NDF: 4861146.5/57

In: 856.388+/-0.109 χ^2/NDF:5467258.3/49

Out: 902.591+/-0.112 χ^2/NDF:4977226.7/55

All: 878.818+/-0.078 χ^2/NDF: 10531322.1/10

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 60587153716.0/26

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774184567703669.1/30

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

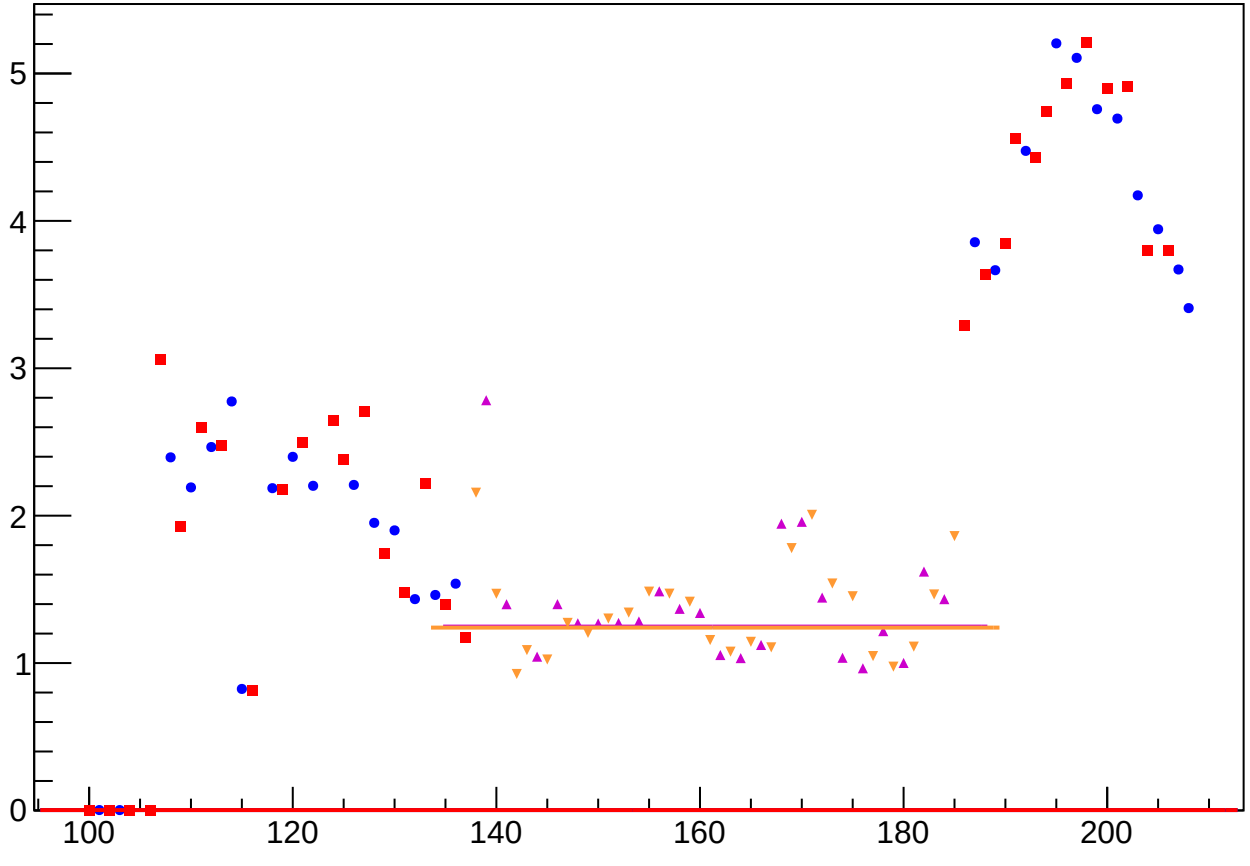
Right: 131.818+/-0.000 χ^2/NDF: 793029742582997

In: 139.328+/-0.000 χ^2/NDF:314985675265.4/49

Out: 125.384+/-0.000 χ^2/NDF:774415255822706.

All: 131.810+/-0.000 χ^2/NDF: 79351215484

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 26219932.6/26

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 27096719.6/30

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

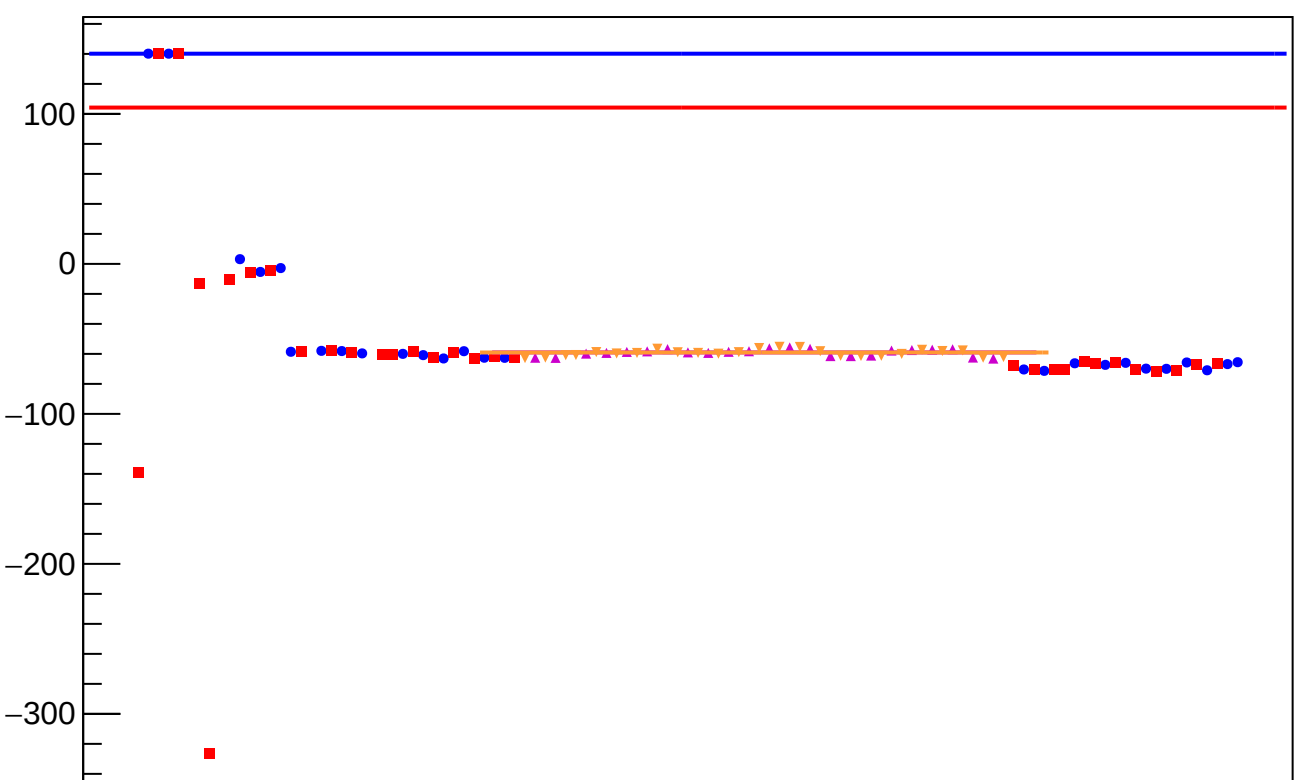
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 53316852.0/57

In: 0.003+/-0.000 χ^2/NDF:55985198.6/49

Out: 0.003+/-0.000 χ^2/NDF:58396645.1/55

All: 0.003+/-0.000 χ^2/NDF: 114382118.6/105



Right In: 140.136+/-0.000 χ^2/NDF: 473907303977.8/26

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257599525487578.0/30

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

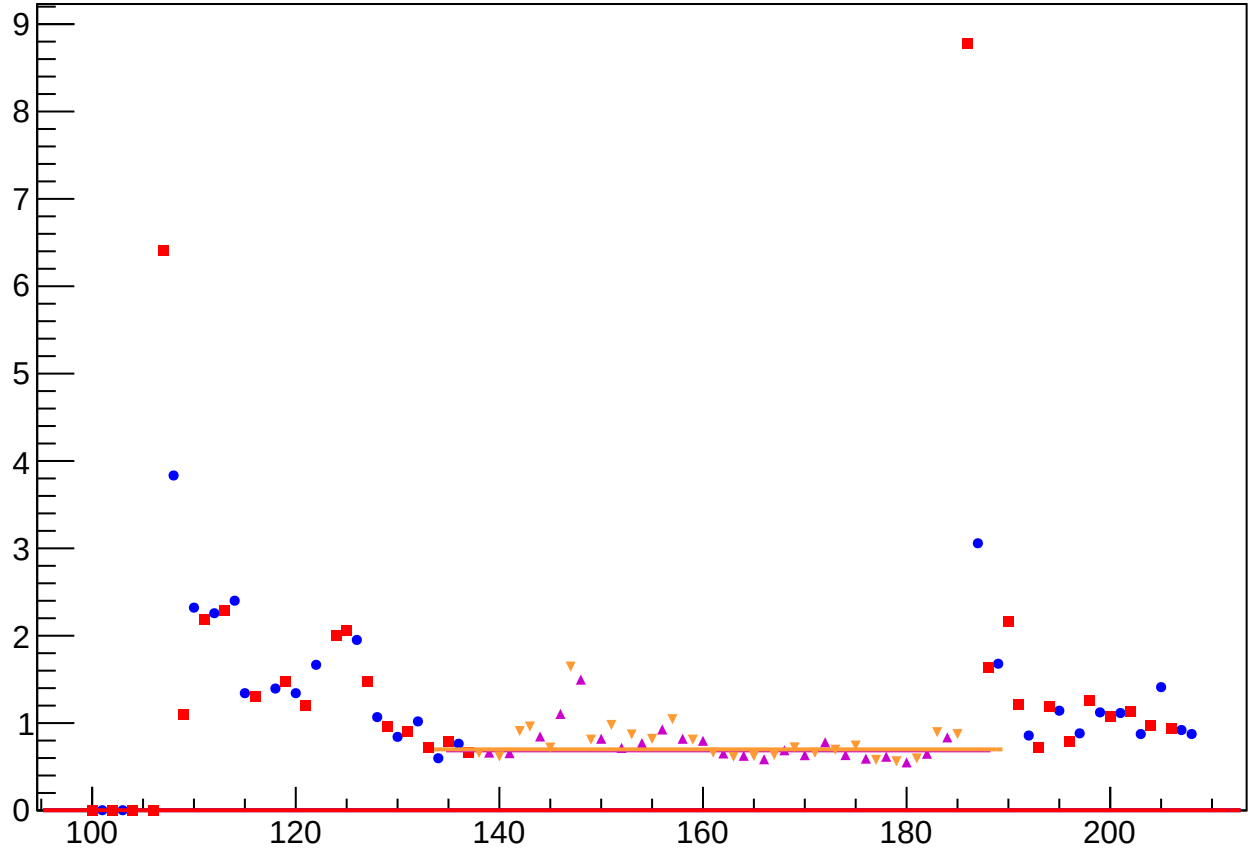
Right: 120.825+/-0.000 χ^2/NDF: 13813689742097

In: 140.100+/-0.000 χ^2/NDF:1749412297271.7/4

Out: 104.193+/-0.000 χ^2/NDF:1258471121945352

All: 120.795+/-0.000 χ^2/NDF: 1383467011

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 24335904.2/26

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 25155234.9/30

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

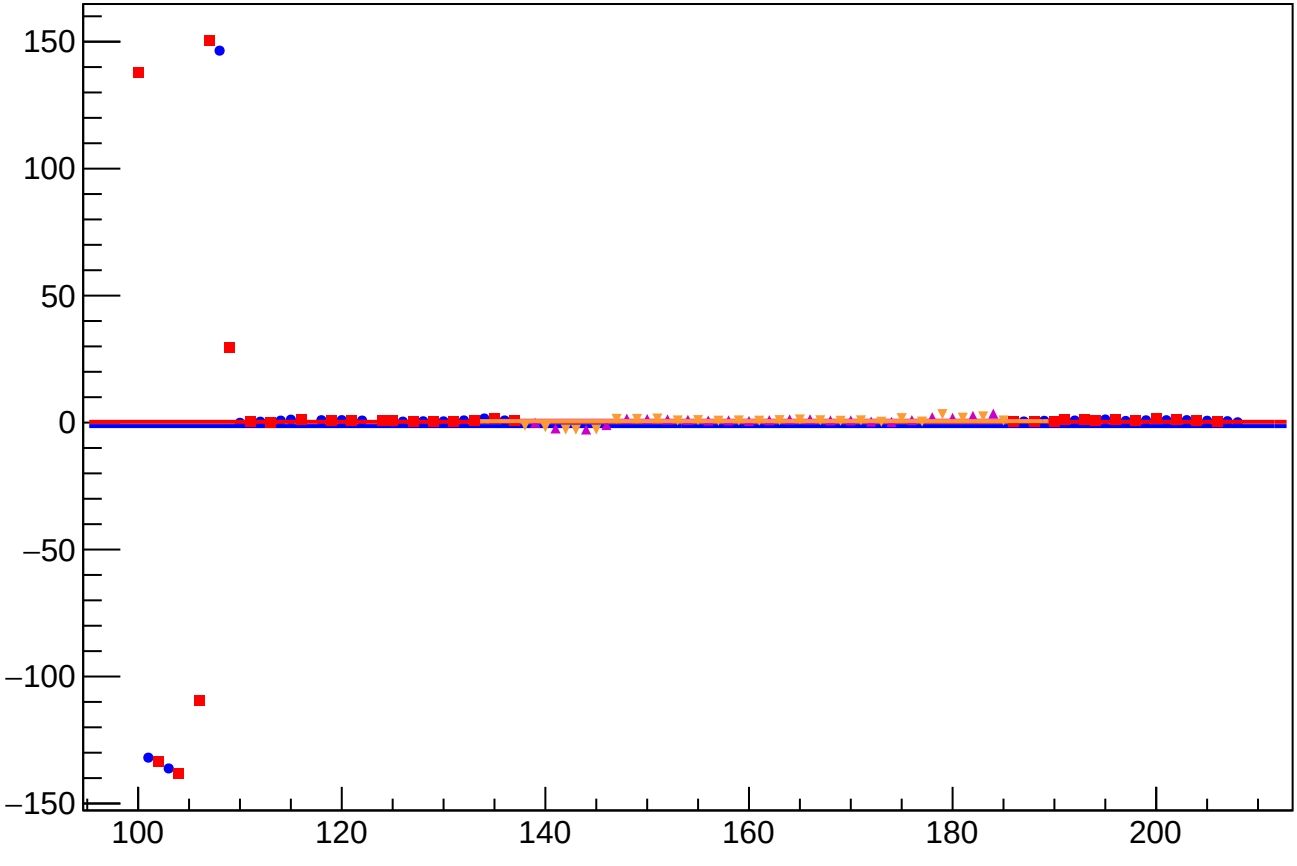
Right: 0.003+/-0.000 χ^2/NDF: 49491410.6/57

In: 0.003+/-0.000 χ^2/NDF:55639525.6/49

Out: 0.003+/-0.000 χ^2/NDF:58210469.0/55

All: 0.003+/-0.000 χ^2/NDF: 113850502.4/105

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.388+/-0.000 χ^2/NDF: 9904852885.0/26

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.296+/-0.000 χ^2/NDF: 3612922074.3/30

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

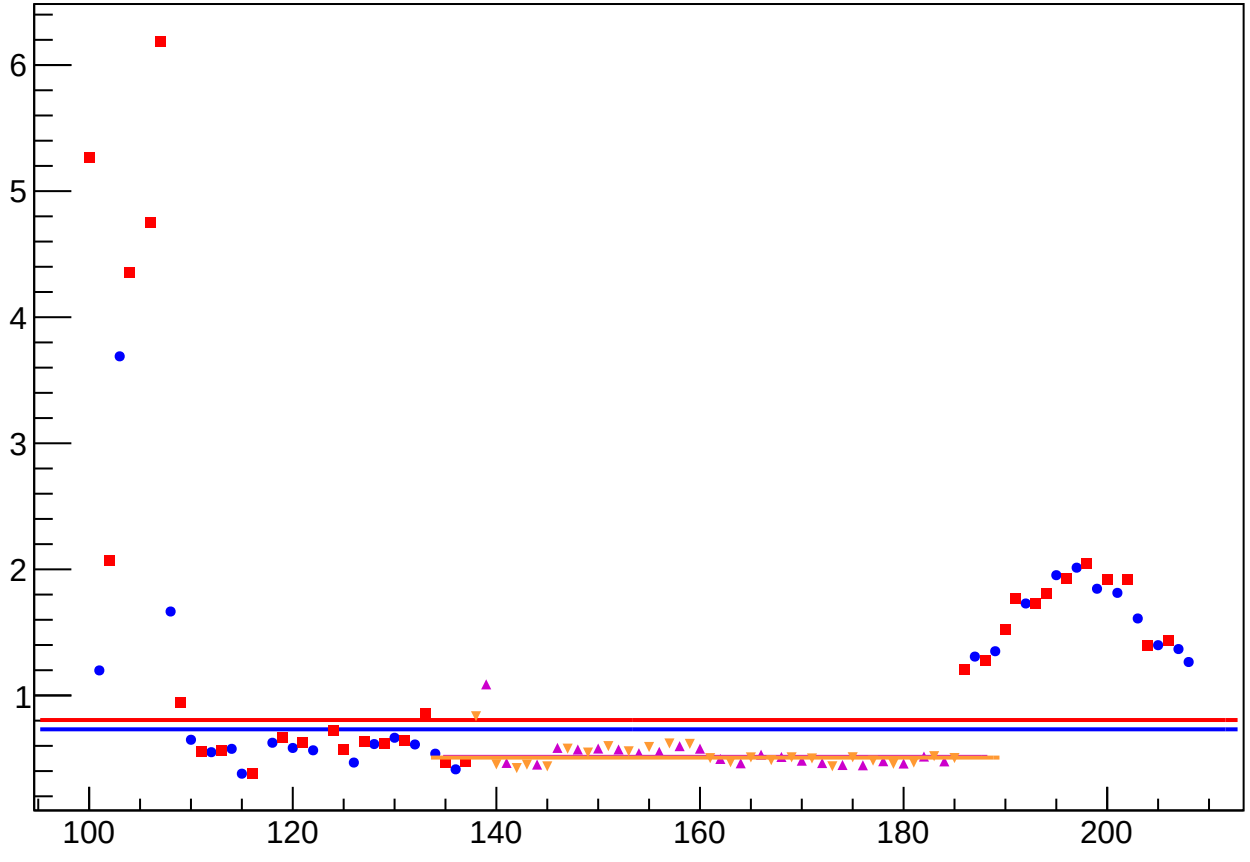
Right: -0.610+/-0.000 χ^2/NDF: 13543297384.6/57

In: 0.185+/-0.000 χ^2/NDF:10074939948.6/49

Out: 0.515+/-0.000 χ^2/NDF:3768304208.4/55

All: 0.352+/-0.000 χ^2/NDF: 13847394361.4/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.731+/-0.000 χ^2/NDF: 7541260.8/26

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.805+/-0.000 χ^2/NDF: 8115743.0/30

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

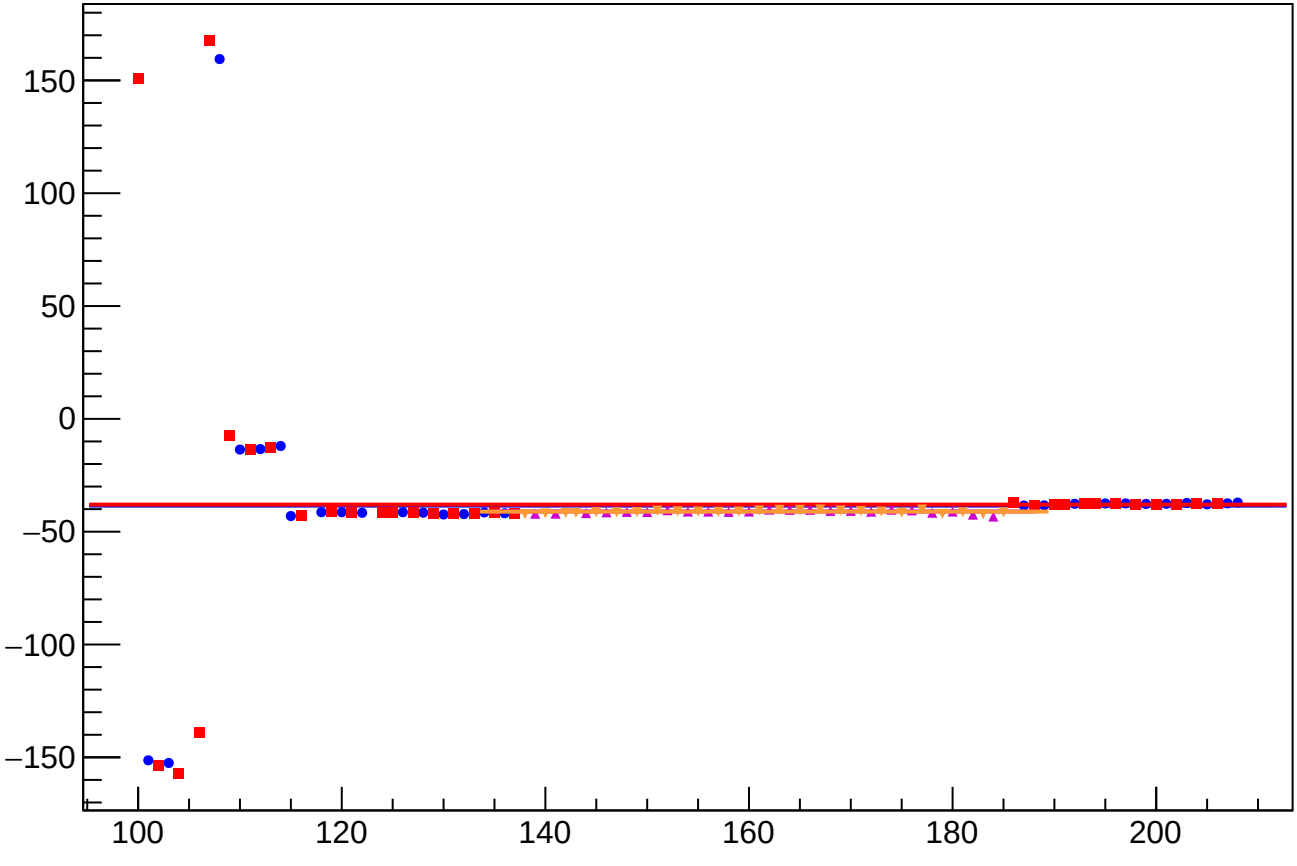
Right: 0.765+/-0.000 χ^2/NDF: 15755072.3/57

In: 0.569+/-0.000 χ^2/NDF:9672810.9/49

Out: 0.571+/-0.000 χ^2/NDF:11000238.6/55

All: 0.570+/-0.000 χ^2/NDF: 20673399.4/105

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.427+/-0.000 χ^2/NDF: 3616913003.7/26

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.005+/-0.000 χ^2/NDF: 2512954585.2/30

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

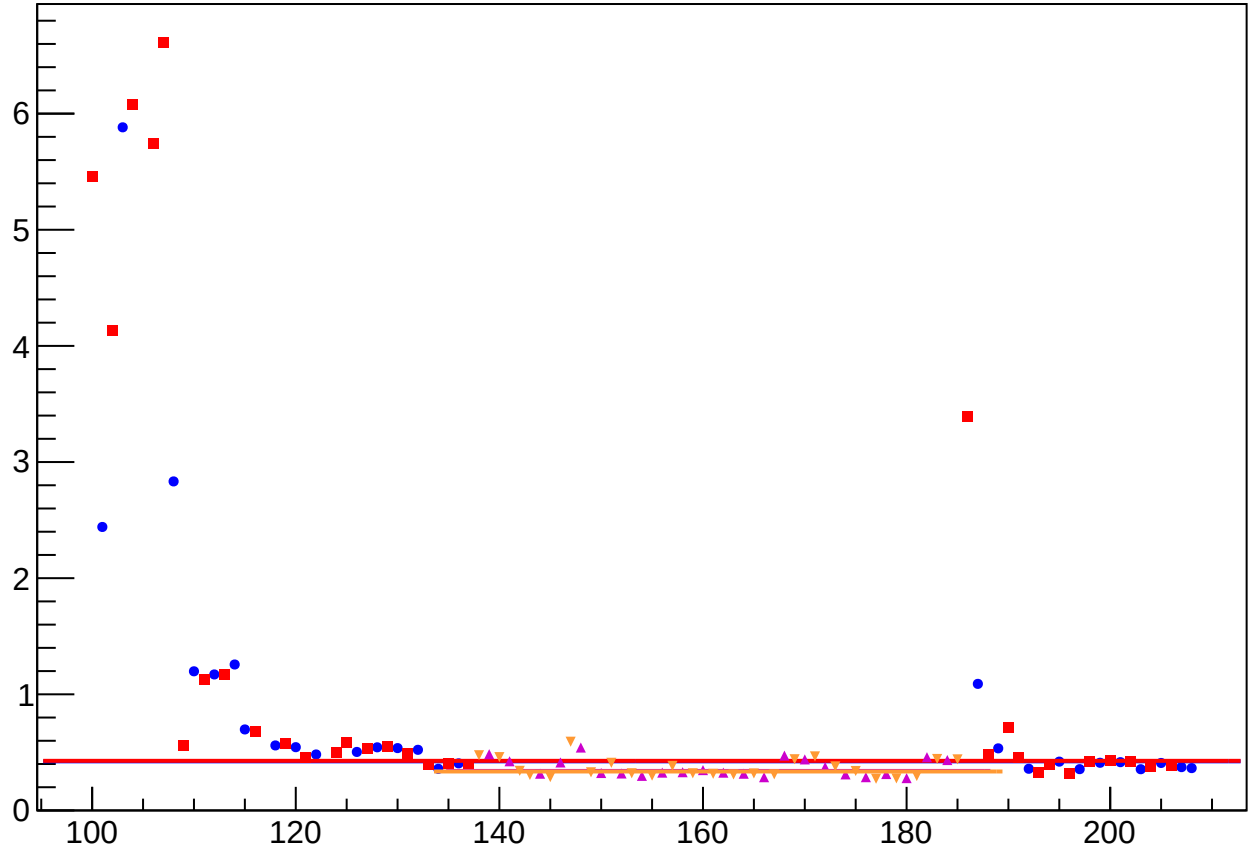
Right: -38.218+/-0.000 χ^2/NDF: 6136107986.1/57

In: -40.177+/-0.000 χ^2/NDF:3990038246.8/49

Out: -40.148+/-0.000 χ^2/NDF:3032023922.3/55

All: -40.162+/-0.000 χ^2/NDF: 7022153787.6/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.423+/-0.000 χ^2/NDF: 3733231.8/26

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.427+/-0.000 χ^2/NDF: 4676899.2/30

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

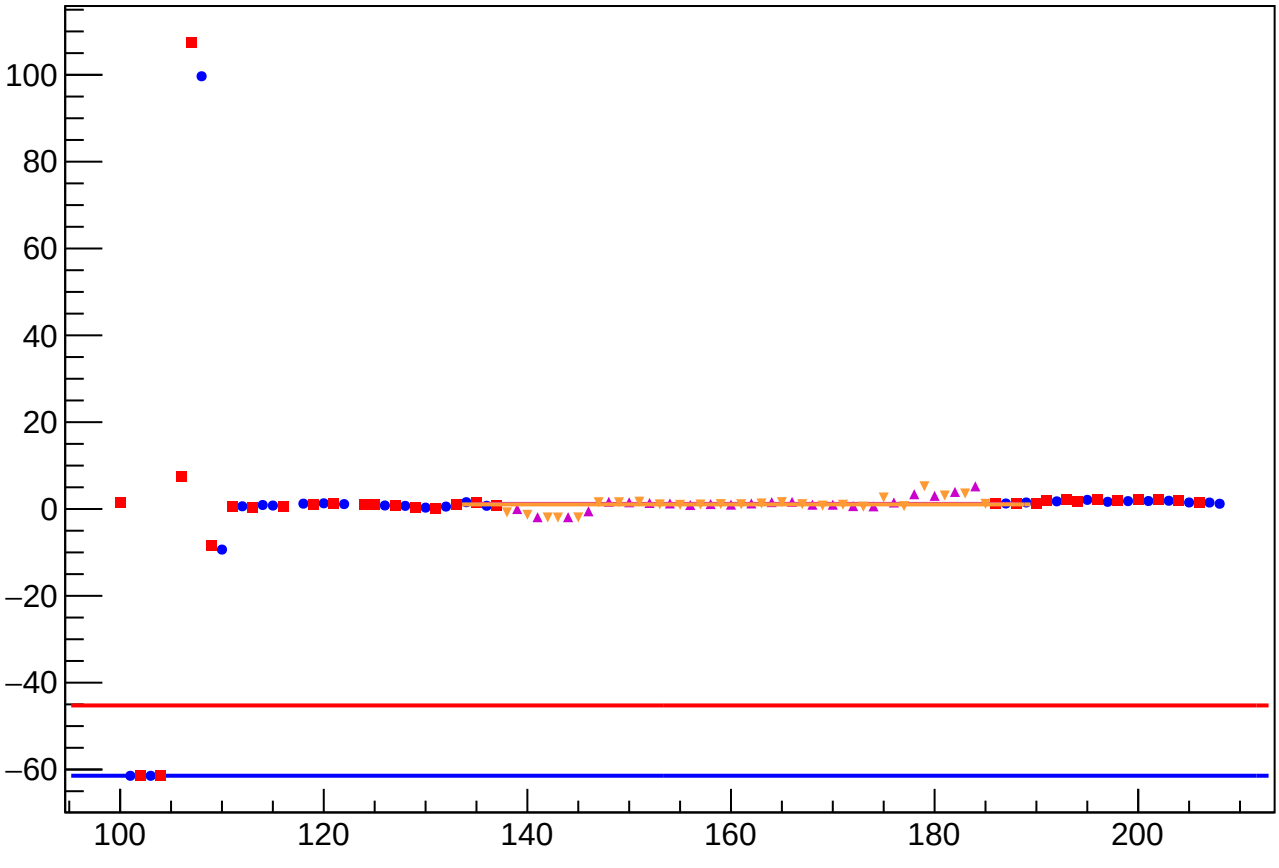
Right: 0.425+/-0.000 χ^2/NDF: 8411428.8/57

In: 0.367+/-0.000 χ^2/NDF:5448833.2/49

Out: 0.364+/-0.000 χ^2/NDF:6722982.0/55

All: 0.365+/-0.000 χ^2/NDF: 12174796.7/105

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 291260092227.0/26

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357880106303536.5/30

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

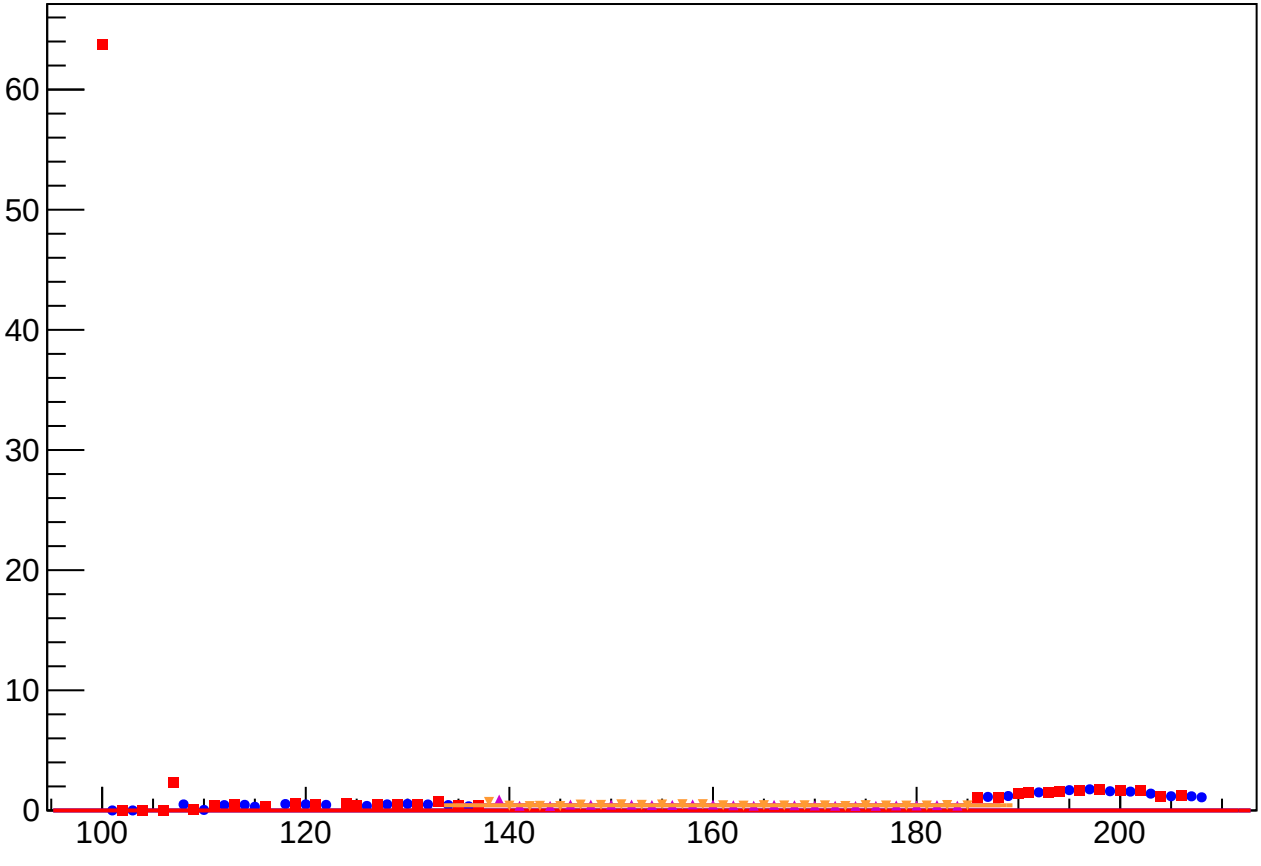
Right: -52.748+/-0.000 χ^2/NDF: 409148276932509

In: -61.422+/-0.000 χ^2/NDF:594119593521.0/49

Out: -45.235+/-0.000 χ^2/NDF:358061386762378.9

All: -52.737+/-0.000 χ^2/NDF: 409617683047

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 25775933.0/26

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 26698431.4/30

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

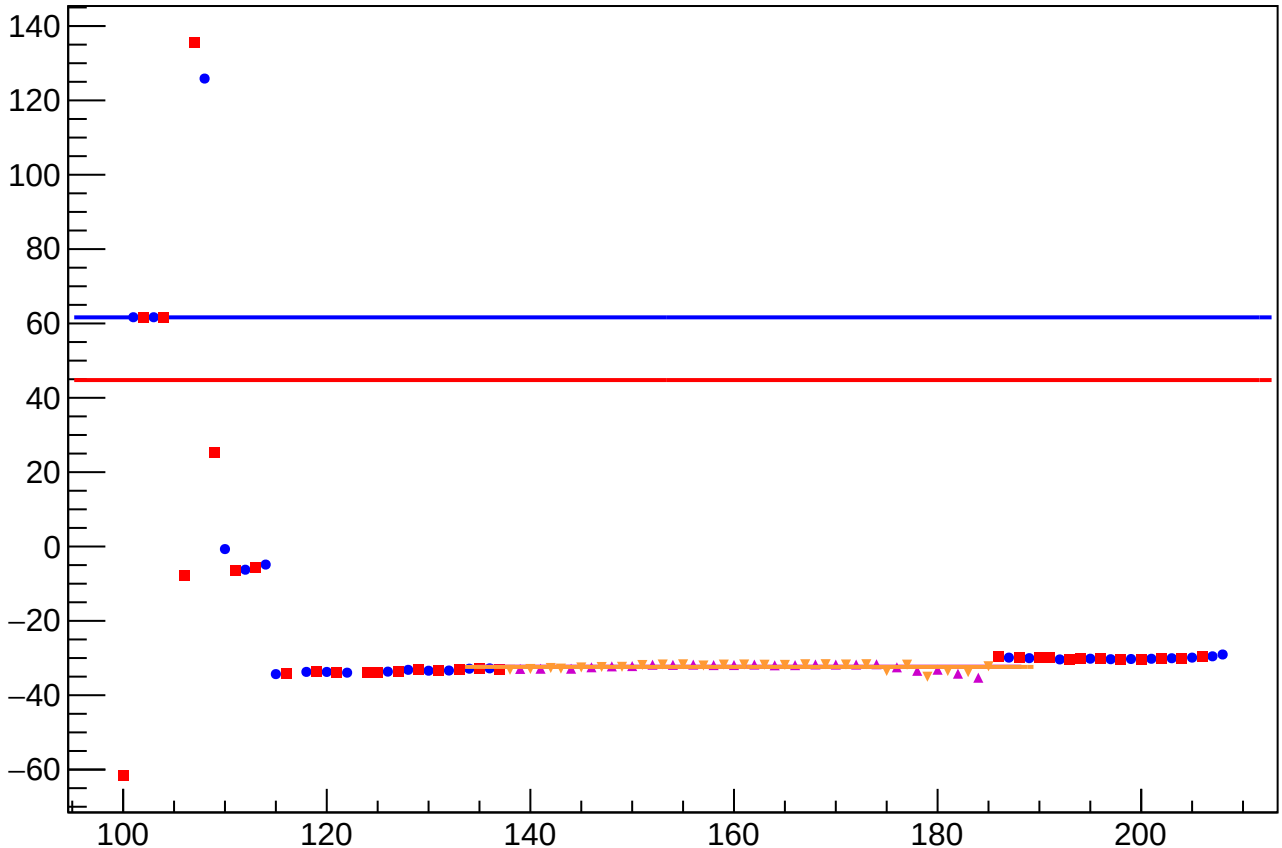
Right: 0.001+/-0.000 χ^2/NDF: 52474372.0/57

In: 0.002+/-0.000 χ^2/NDF:55915857.7/49

Out: 0.002+/-0.000 χ^2/NDF:58463413.4/55

All: 0.002+/-0.000 χ^2/NDF: 114379317.1/105

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.641+/-0.000 χ^2/NDF: 1003074089204.9/26

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.771+/-0.000 χ^2/NDF: 366505425775610.6/30

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

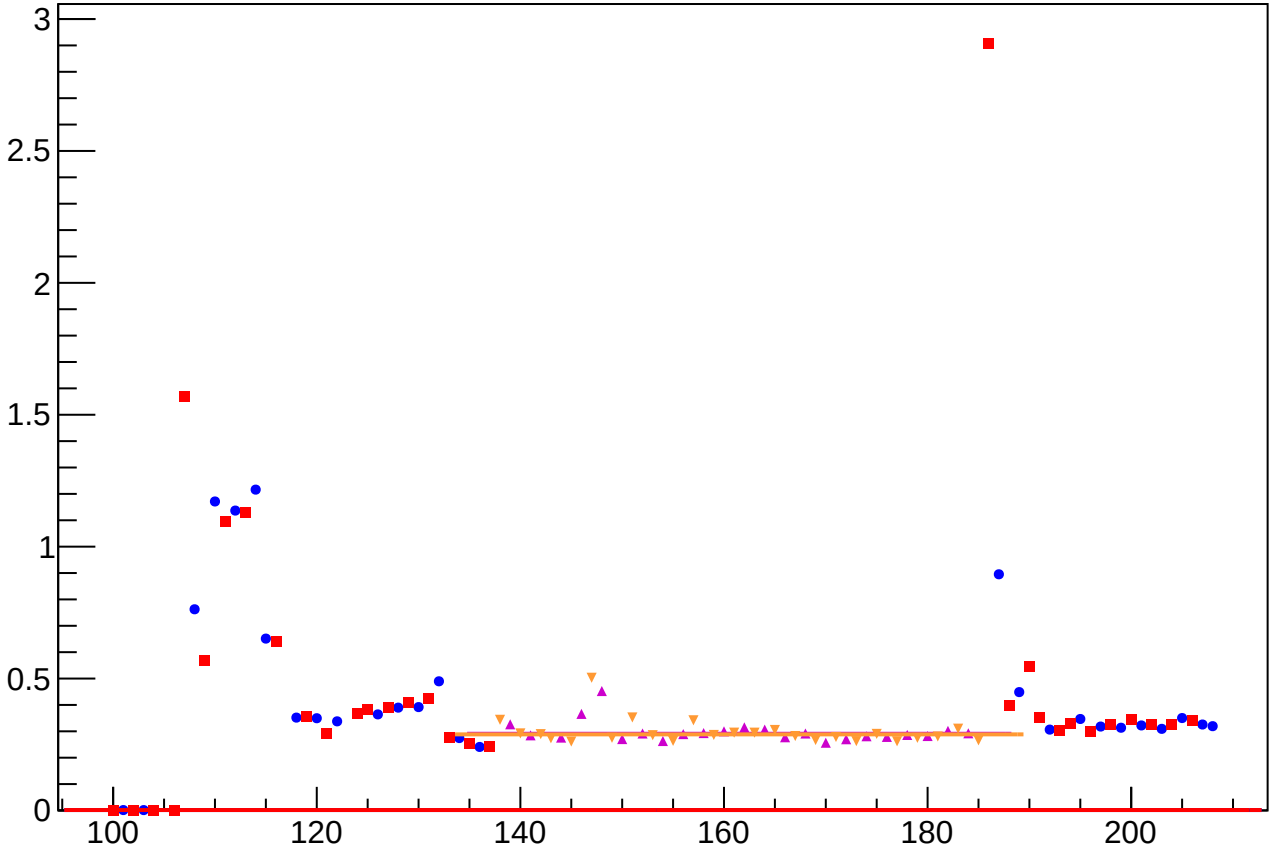
Right: 52.671+/-0.000 χ^2/NDF: 418585602404523.

In: 61.584+/-0.000 χ^2/NDF:2826158081314.0/49

Out: 44.727+/-0.000 χ^2/NDF:367823531550333.8

All: 52.621+/-0.000 χ^2/NDF: 4216790730155

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 27338204.2/26

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 27627494.7/30

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

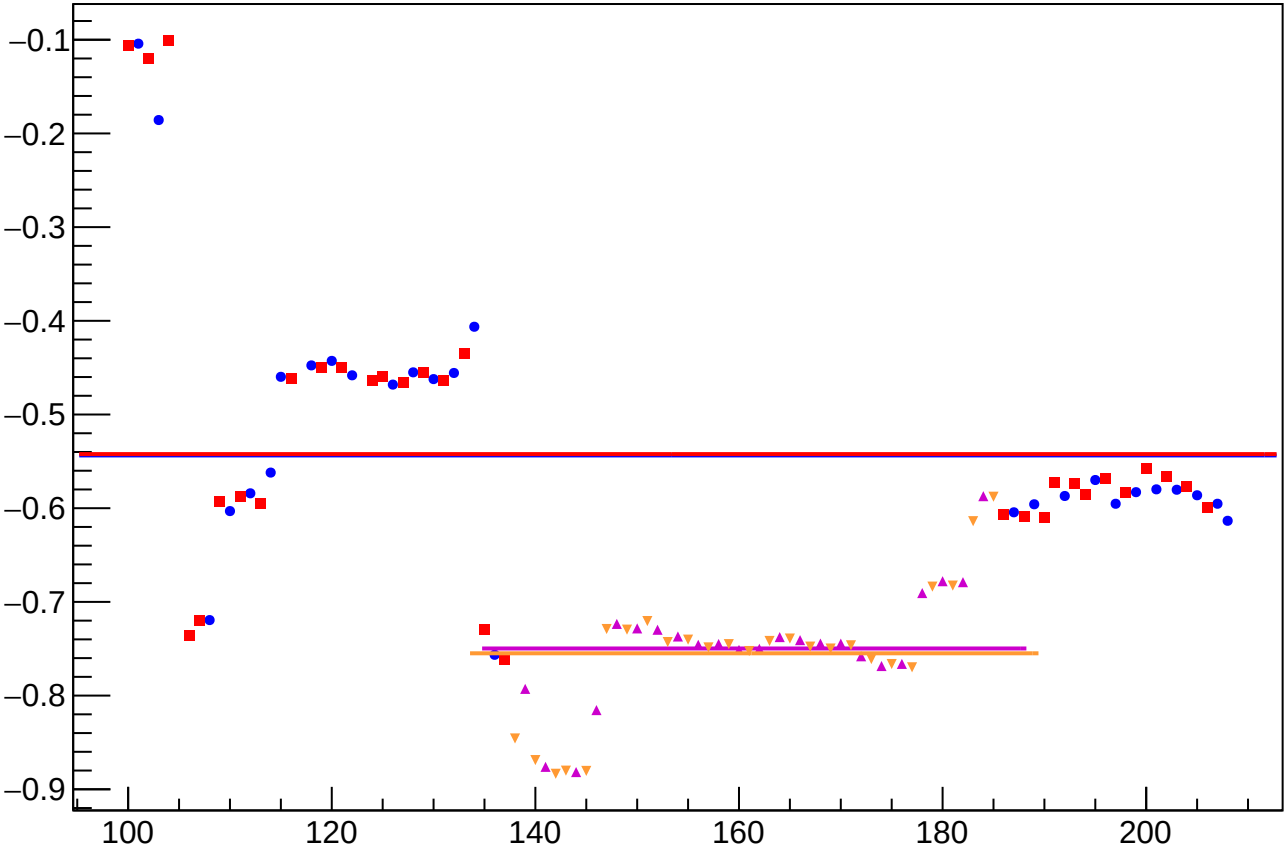
Right: 0.002+/-0.000 χ^2/NDF: 54965732.5/57

In: 0.002+/-0.000 χ^2/NDF:62231168.1/49

Out: 0.002+/-0.000 χ^2/NDF:64572721.0/55

All: 0.002+/-0.000 χ^2/NDF: 126803889.9/105

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.544+/-0.000 χ^2/NDF: 306811564.2/26

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.542+/-0.000 χ^2/NDF: 220280502.6/30

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

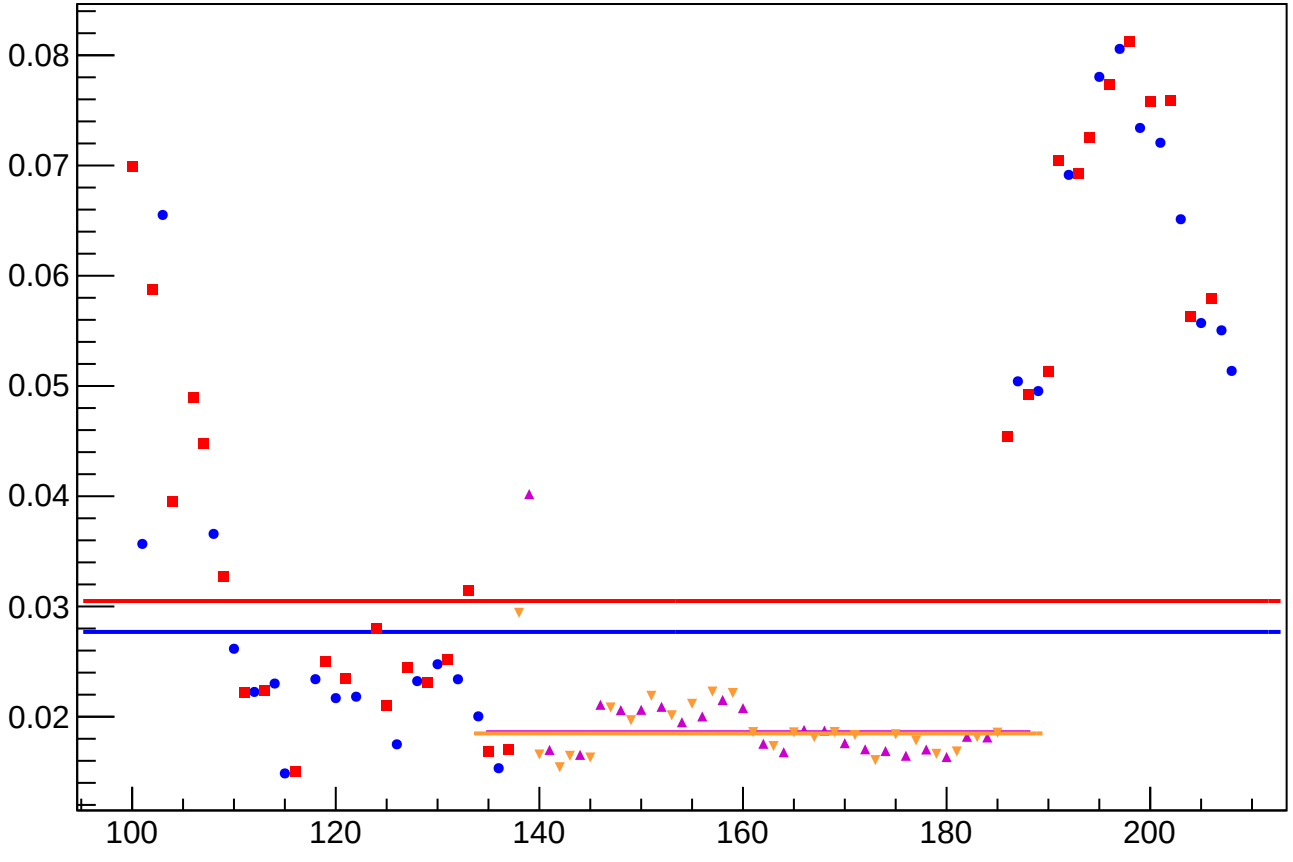
Right: -0.543+/-0.000 χ^2/NDF: 527104871.4/57

In: -0.699+/-0.000 χ^2/NDF:888553448.1/49

Out: -0.710+/-0.000 χ^2/NDF:867302755.9/55

All: -0.705+/-0.000 χ^2/NDF: 1759211869.5/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF: 7452224.9/26

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7180267.3/30

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

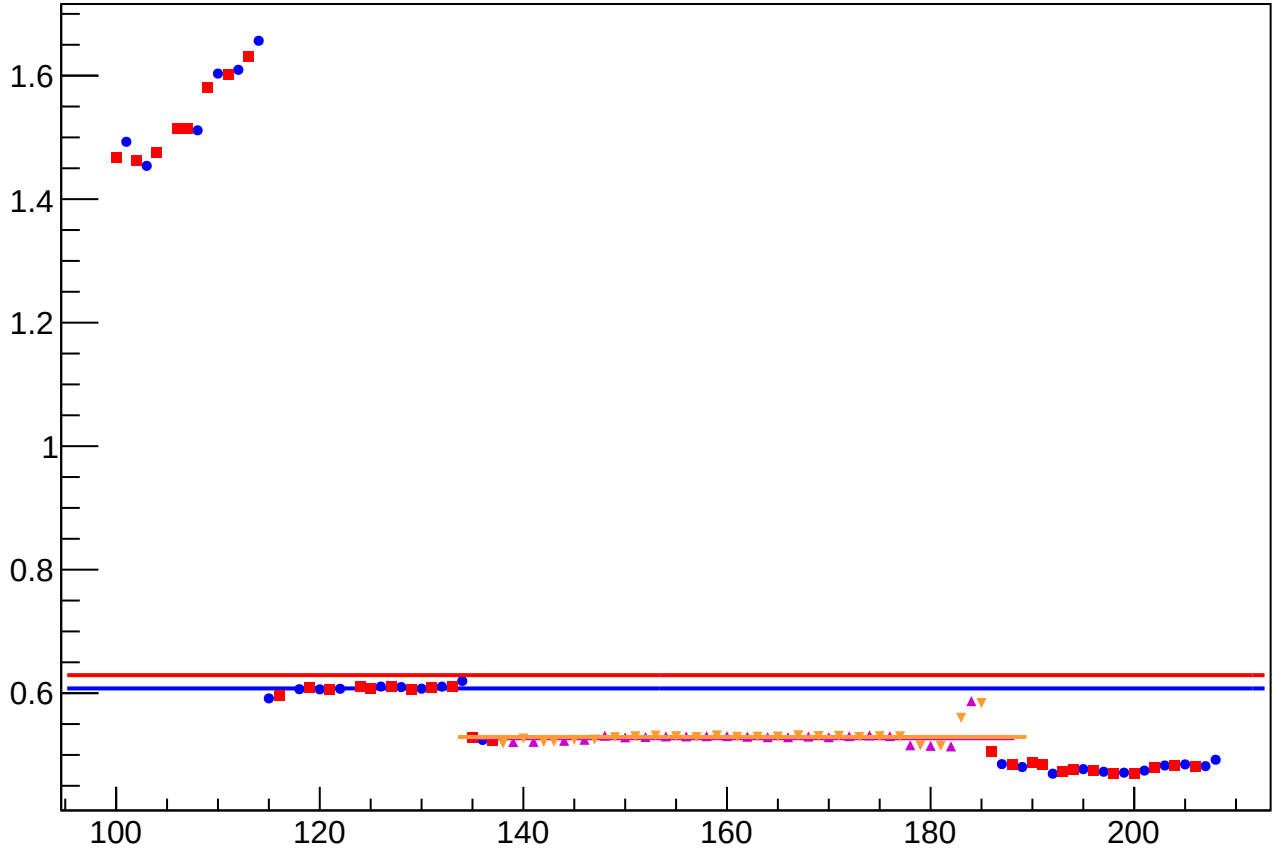
Right: 0.029+/-0.000 χ^2/NDF: 14733987.1/57

In: 0.021+/-0.000 χ^2/NDF:9910066.5/49

Out: 0.021+/-0.000 χ^2/NDF:10444192.3/55

All: 0.021+/-0.000 χ^2/NDF: 20356330.2/105

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.608+/-0.000 χ^2/NDF: 5640194852.3/26

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.629+/-0.000 χ^2/NDF: 6545597247.8/30

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

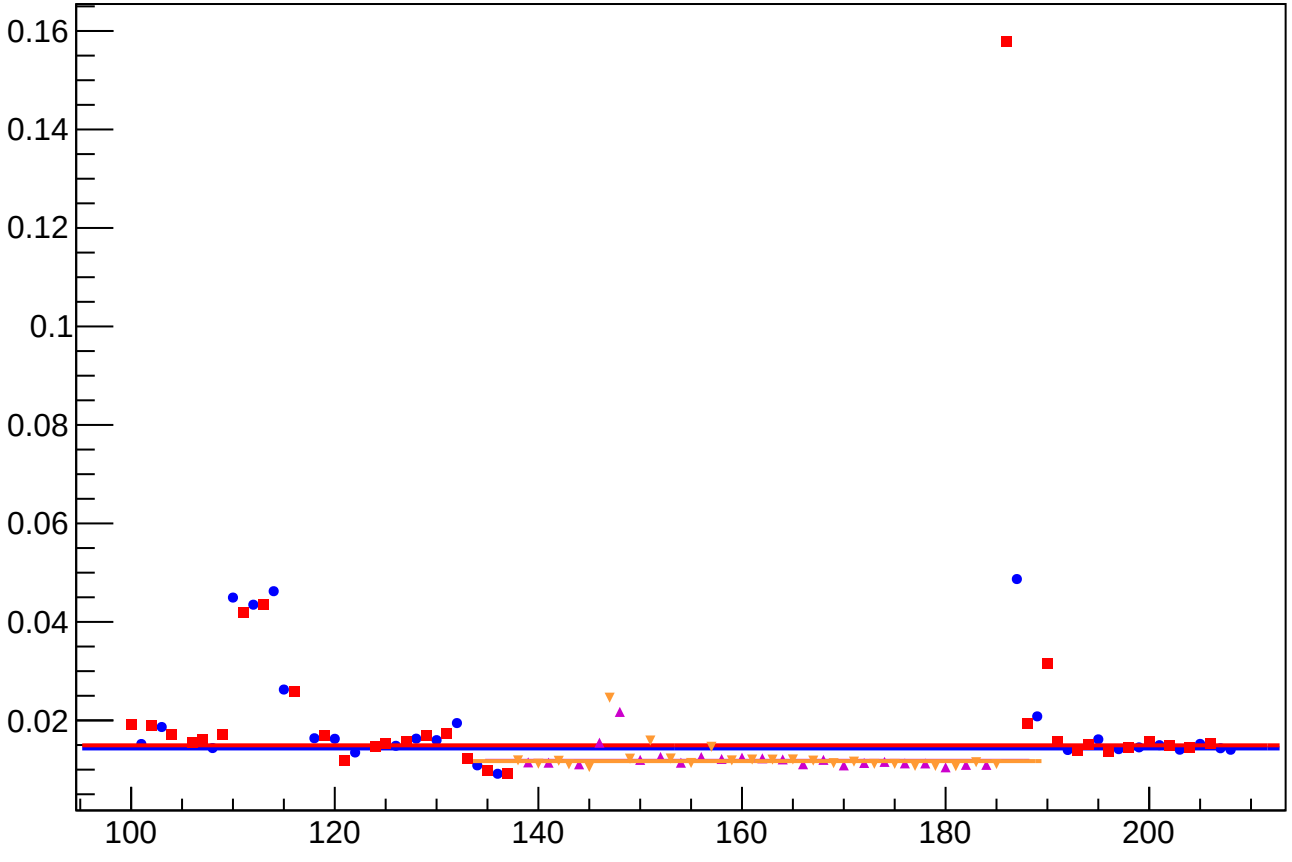
Right: 0.618+/-0.000 χ^2/NDF: 12201166538.5/57

In: 0.555+/-0.000 χ^2/NDF:5942158066.8/49

Out: 0.561+/-0.000 χ^2/NDF:6998434326.9/55

All: 0.558+/-0.000 χ^2/NDF: 12944315479.3/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1970216.3/26

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2385029.7/30

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

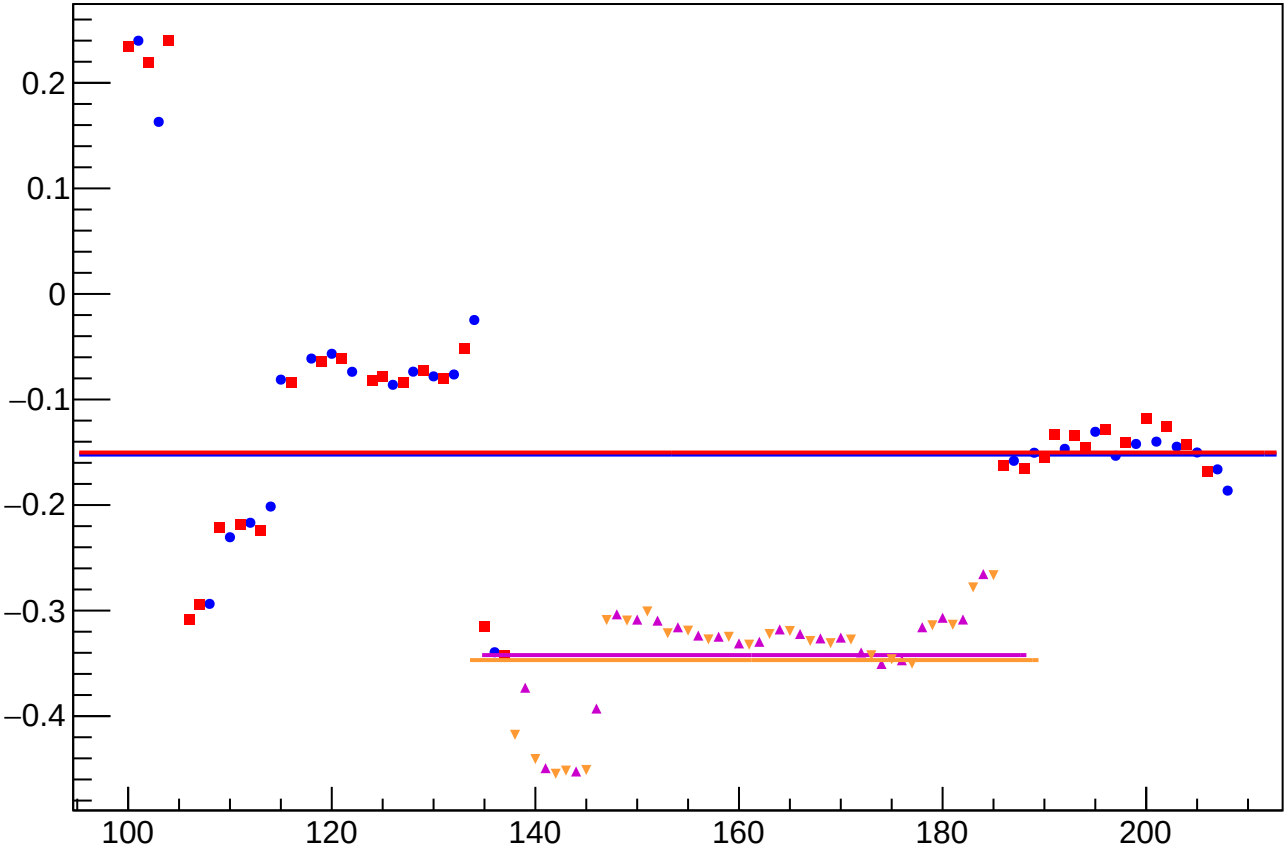
Right: 0.015+/-0.000 χ^2/NDF: 4381930.3/57

In: 0.013+/-0.000 χ^2/NDF:3051056.5/49

Out: 0.013+/-0.000 χ^2/NDF:3979227.2/55

All: 0.013+/-0.000 χ^2/NDF: 7032168.2/105

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 277404039.8/26

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 200054316.2/30

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

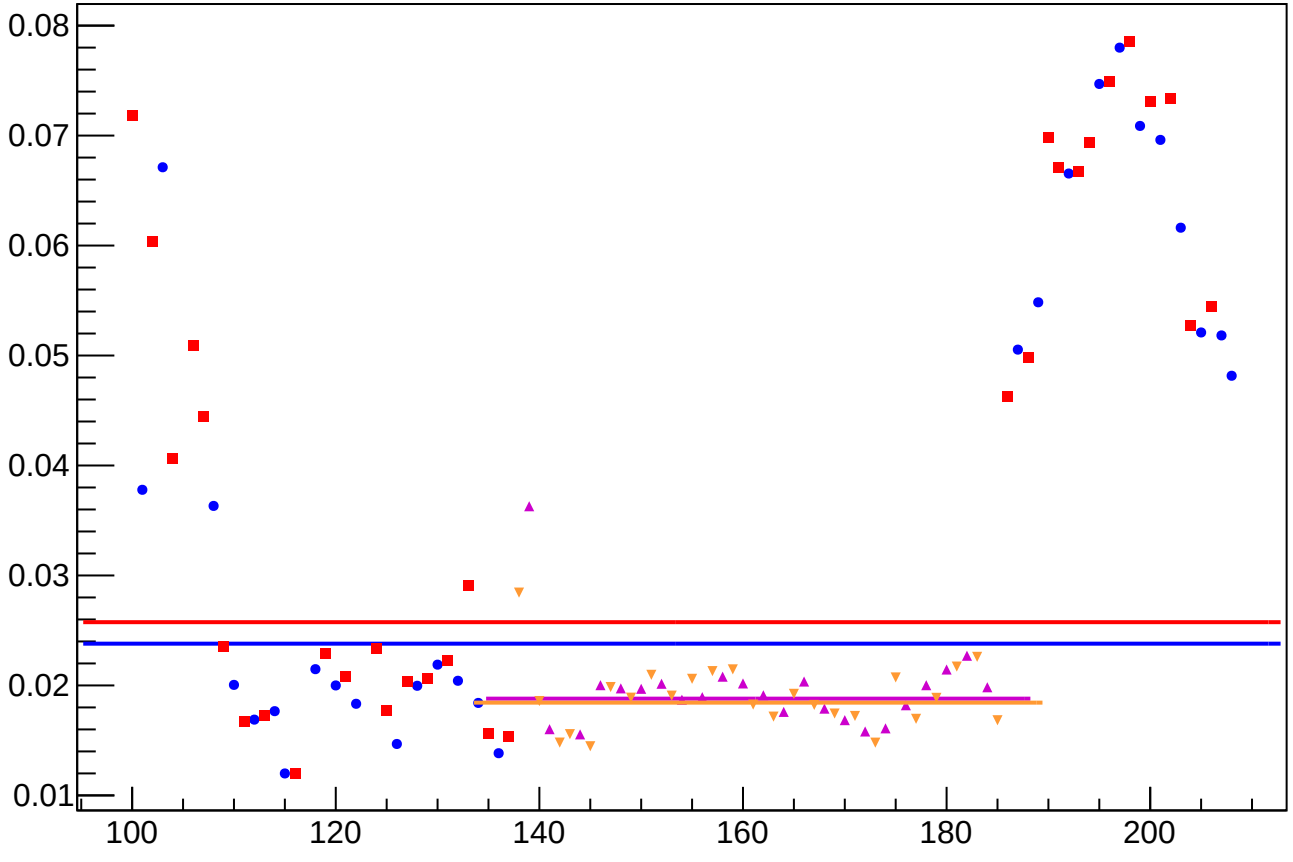
Right: -0.151+/-0.000 χ^2/NDF: 477490589.1/57

In: -0.286+/-0.000 χ^2/NDF:816341133.5/49

Out: -0.297+/-0.000 χ^2/NDF:785940016.6/55

All: -0.292+/-0.000 χ^2/NDF: 1605648740.3/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 8532360.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8663632.7/30

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

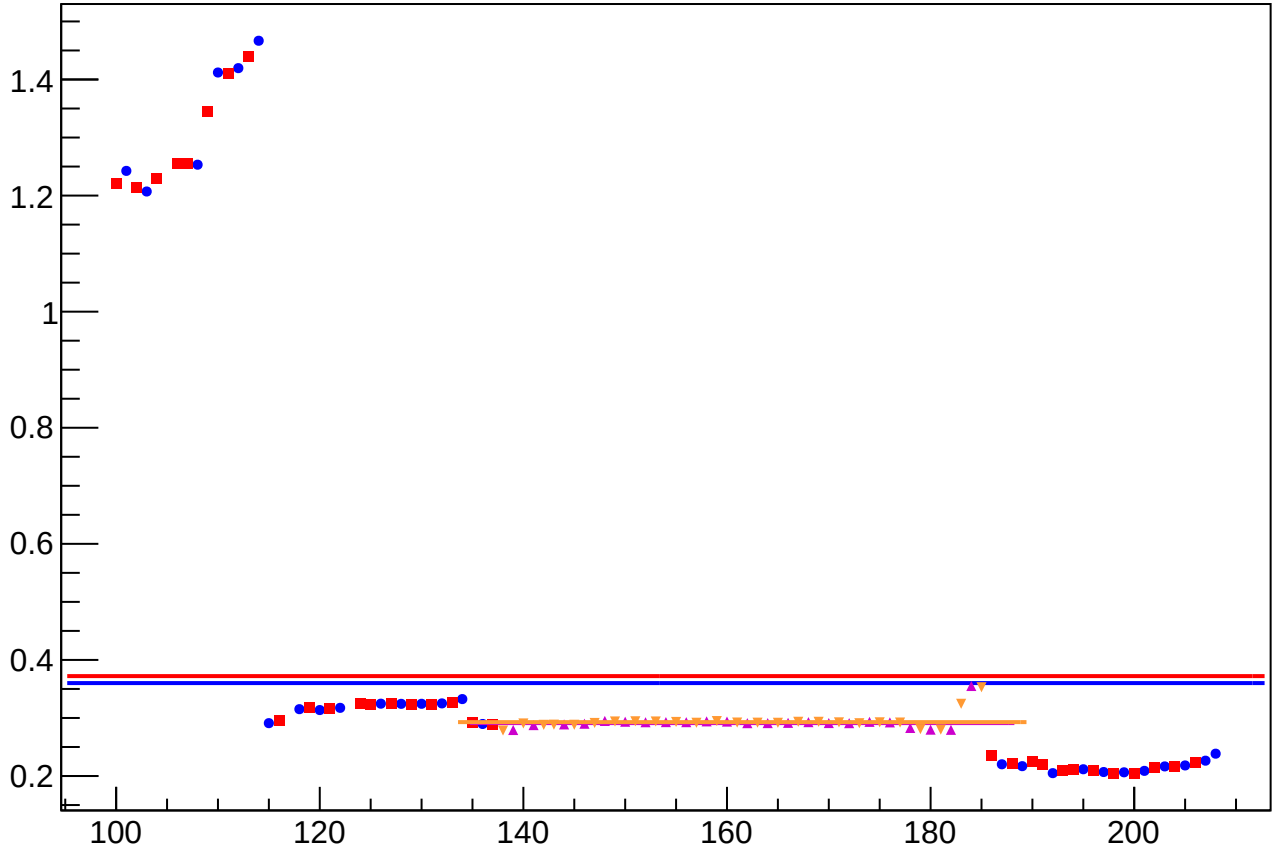
Right: 0.025+/-0.000 χ^2/NDF: 17260059.0/57

In: 0.020+/-0.000 χ^2/NDF:9875525.0/49

Out: 0.020+/-0.000 χ^2/NDF:10576893.5/55

All: 0.020+/-0.000 χ^2/NDF: 20452480.5/105

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 8331446287.1/26

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.372+/-0.000 χ^2/NDF: 9237645200.8/30

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

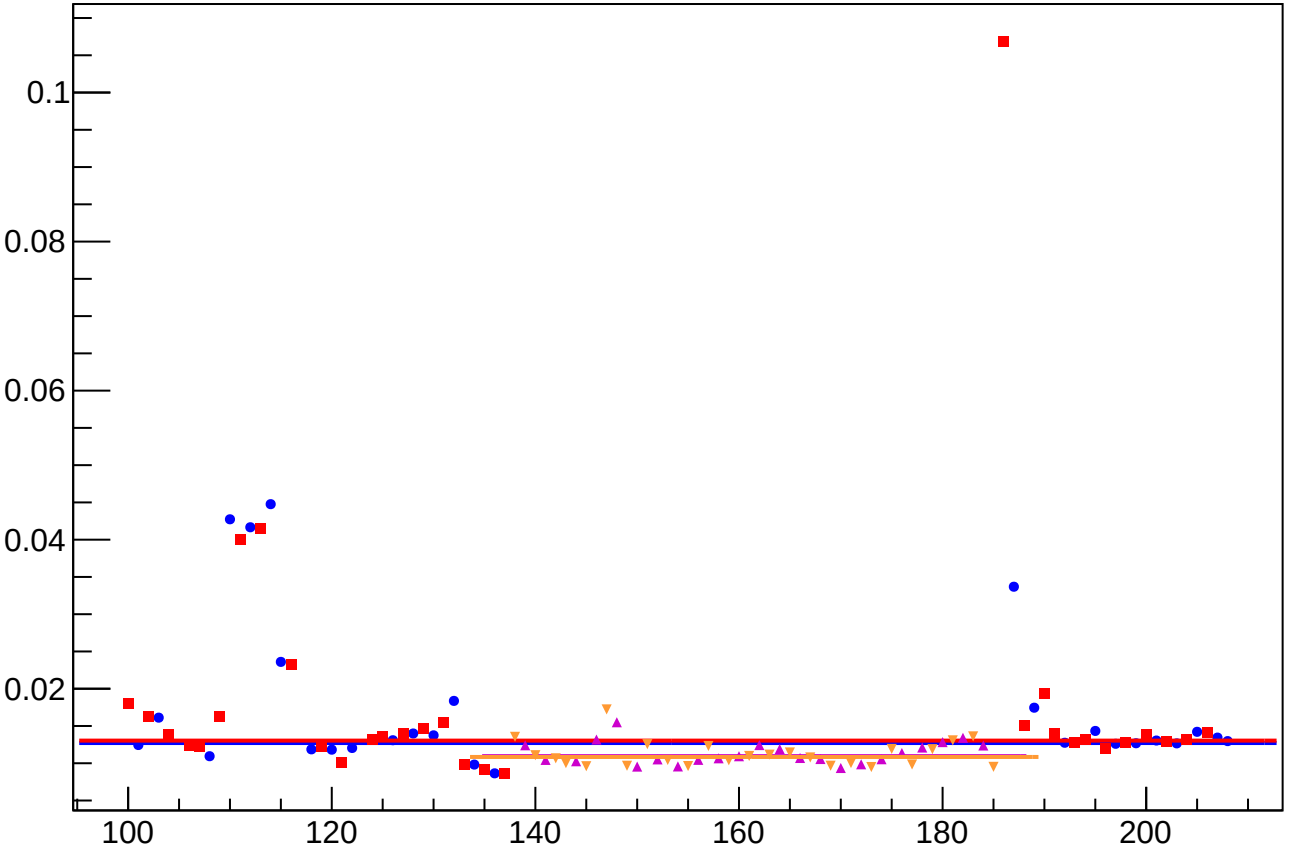
Right: 0.366+/-0.000 χ^2/NDF: 17575289371.4/57

In: 0.317+/-0.000 χ^2/NDF:8599687746.9/49

Out: 0.321+/-0.000 χ^2/NDF:9599115342.5/55

All: 0.319+/-0.000 χ^2/NDF: 18200387810.5/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1793654.0/26

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2177408.5/30

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

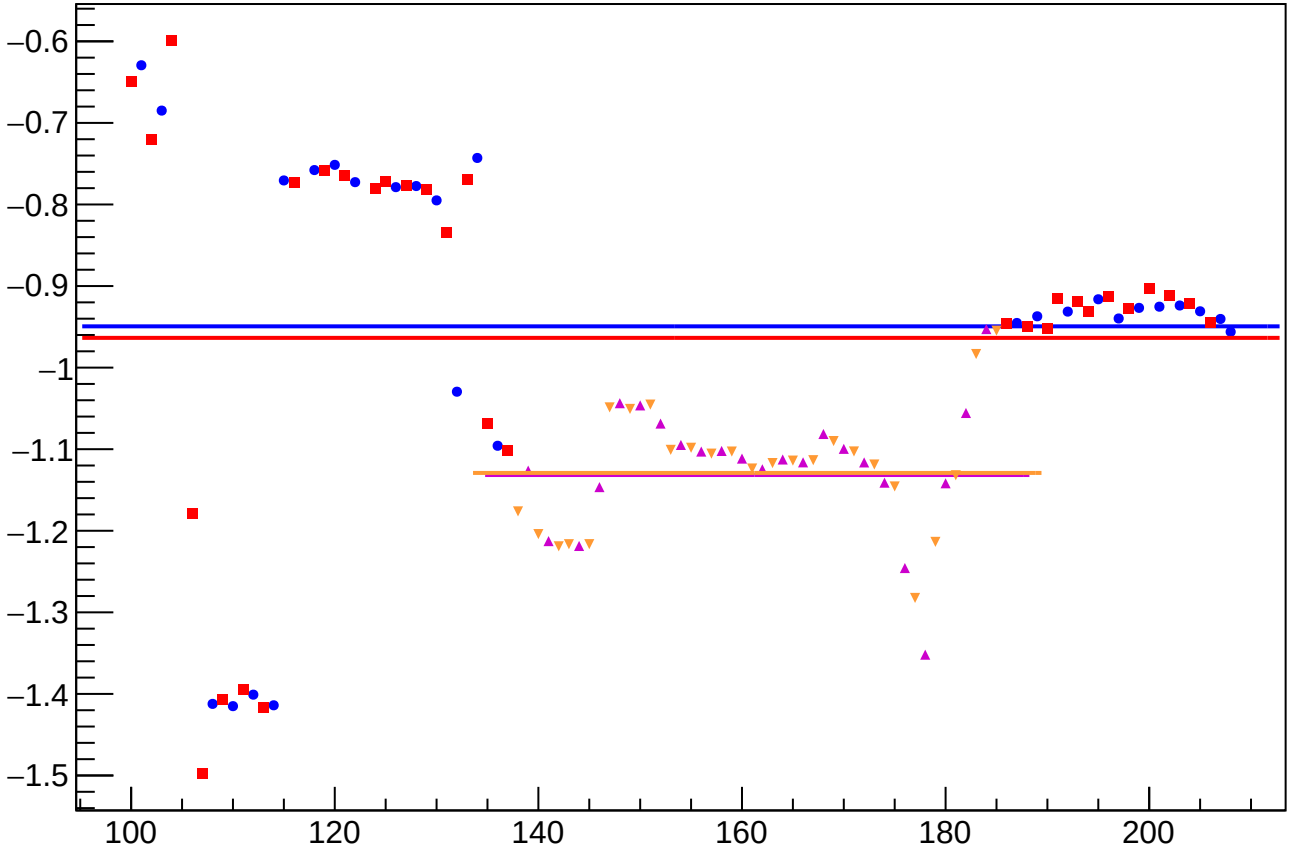
Right: 0.013+/-0.000 χ^2/NDF: 3980151.1/57

In: 0.012+/-0.000 χ^2/NDF:2640816.5/49

Out: 0.012+/-0.000 χ^2/NDF:3358816.1/55

All: 0.012+/-0.000 χ^2/NDF: 5999632.7/105

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.949+/-0.000 χ^2/NDF: 700278149.7/26

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717967953.8/30

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

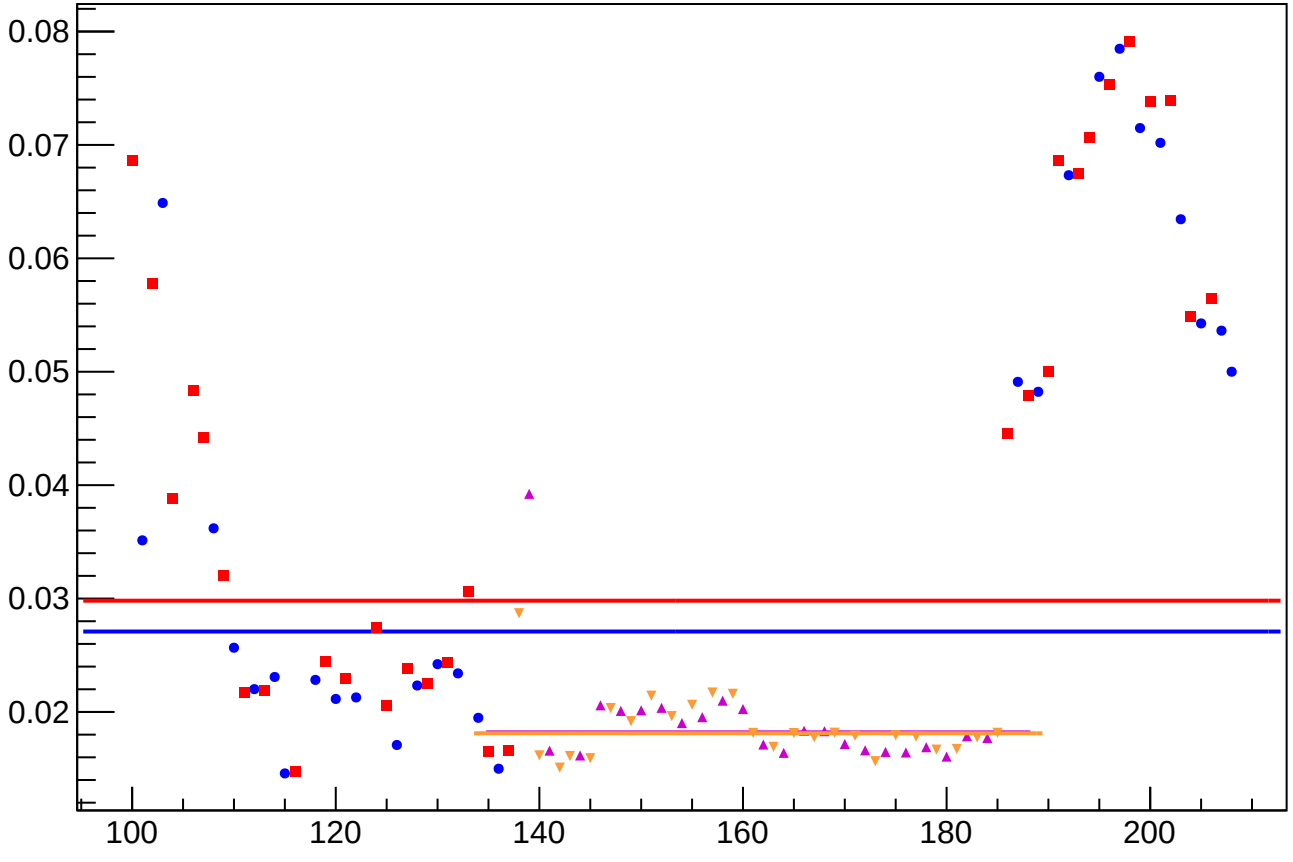
Right: -0.956+/-0.000 χ^2/NDF: 1419593657.4/57

In: -1.087+/-0.000 χ^2/NDF:1320945339.5/49

Out: -1.094+/-0.000 χ^2/NDF:1231309720.5/55

All: -1.091+/-0.000 χ^2/NDF: 2553755794.8/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 7430321.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7157763.7/30

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

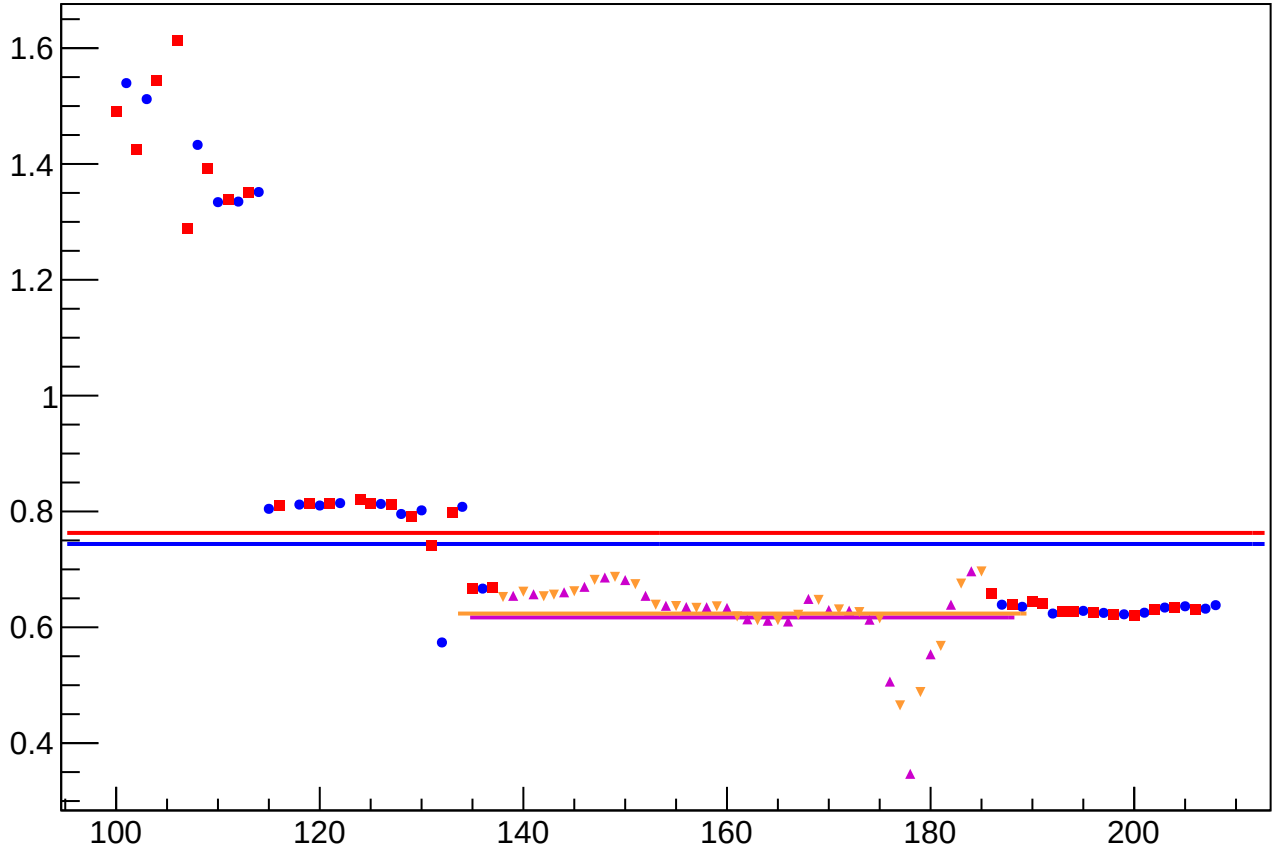
Right: 0.028+/-0.000 χ^2/NDF: 14687905.1/57

In: 0.020+/-0.000 χ^2/NDF:9870556.7/49

Out: 0.021+/-0.000 χ^2/NDF:10376212.0/55

All: 0.020+/-0.000 χ^2/NDF: 20249402.1/105

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.744+/-0.000 χ^2/NDF: 3861769727.5/26

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.763+/-0.000 χ^2/NDF: 4177730294.9/30

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

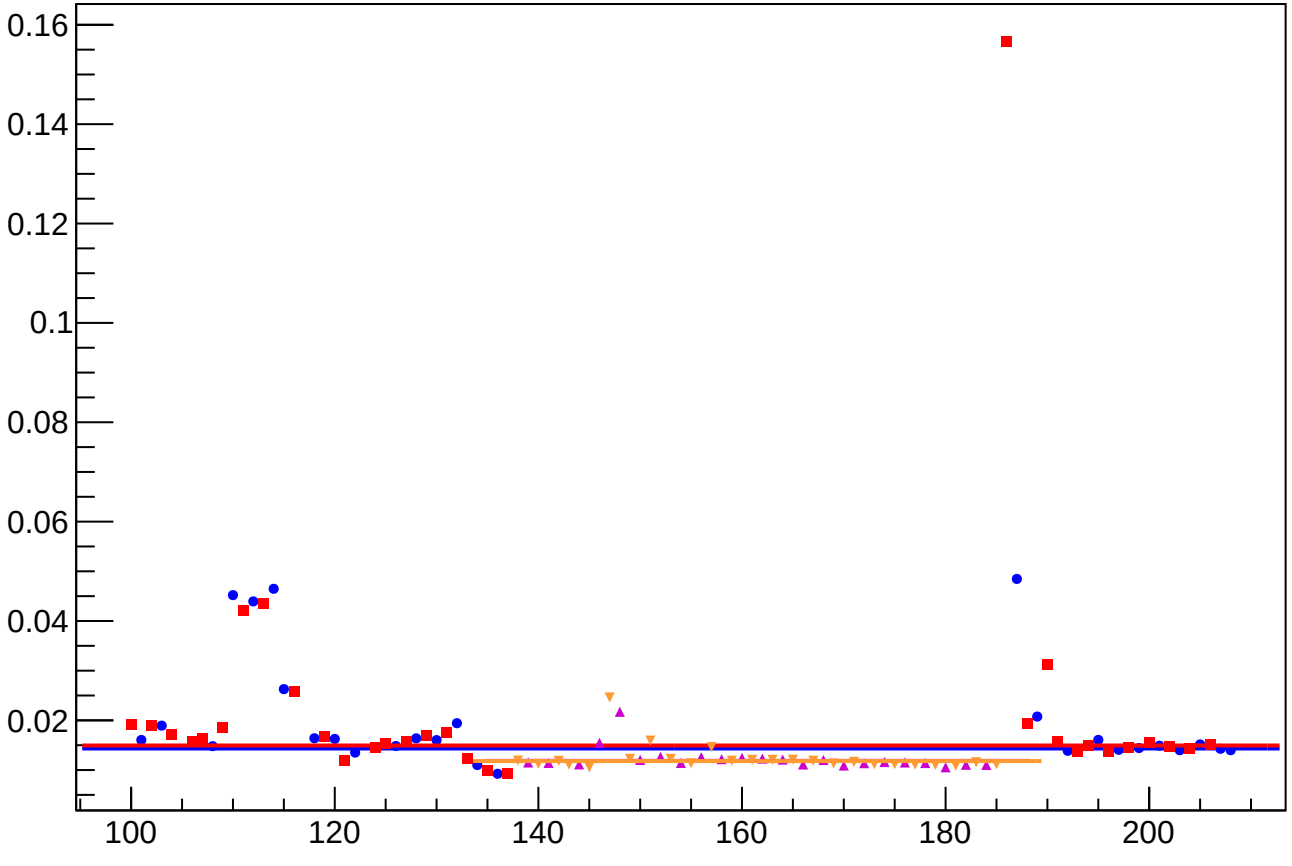
Right: 0.753+/-0.000 χ^2/NDF: 8051559005.4/57

In: 0.662+/-0.000 χ^2/NDF:5216272884.9/49

Out: 0.669+/-0.000 χ^2/NDF:5417171845.7/55

All: 0.665+/-0.000 χ^2/NDF: 10638868343.4/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1953718.5/26

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389671.9/30

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

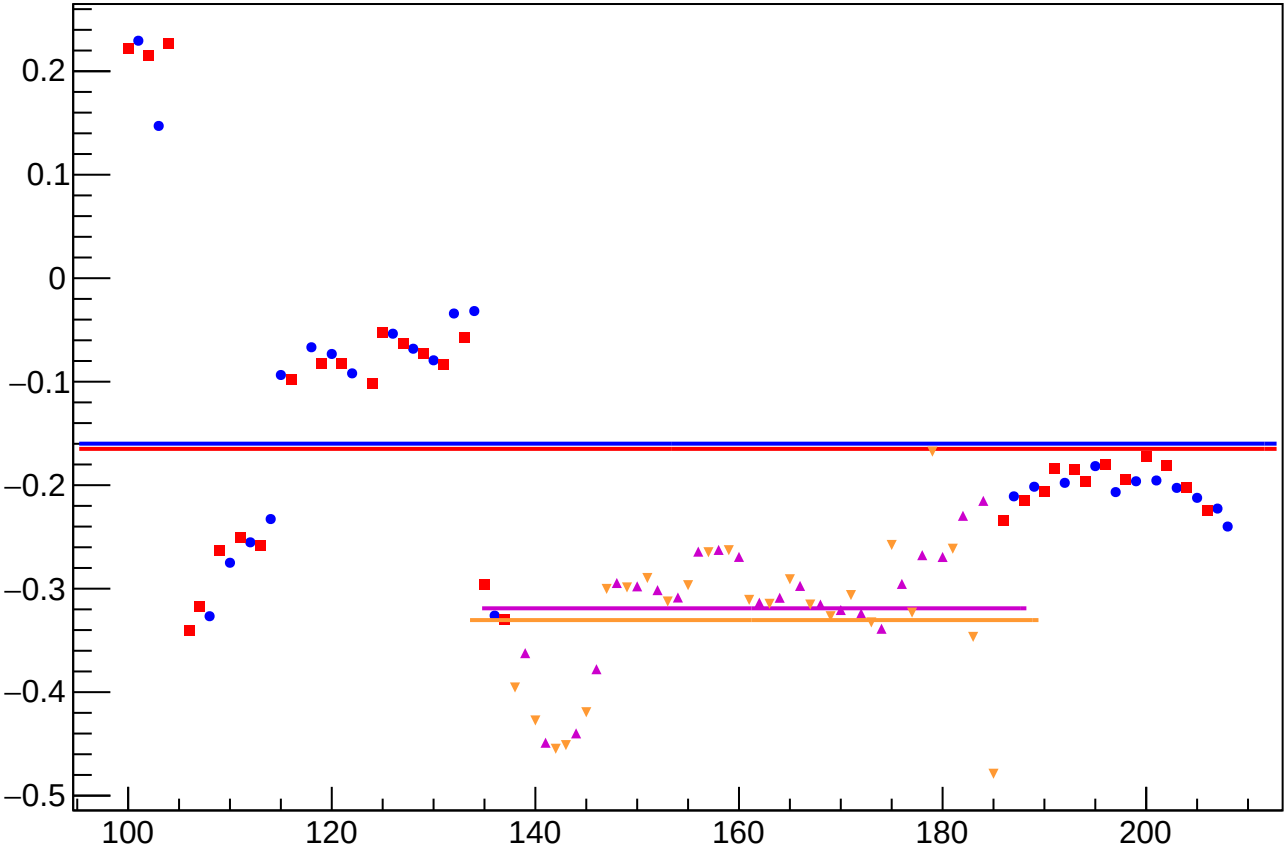
Right: 0.015+/-0.000 χ^2/NDF: 4367304.1/57

In: 0.013+/-0.000 χ^2/NDF:3010340.2/49

Out: 0.013+/-0.000 χ^2/NDF:3913161.9/55

All: 0.013+/-0.000 χ^2/NDF: 6925702.2/105

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.160+/-0.000 χ^2/NDF: 281311115.1/26

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.165+/-0.000 χ^2/NDF: 199948252.4/30

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

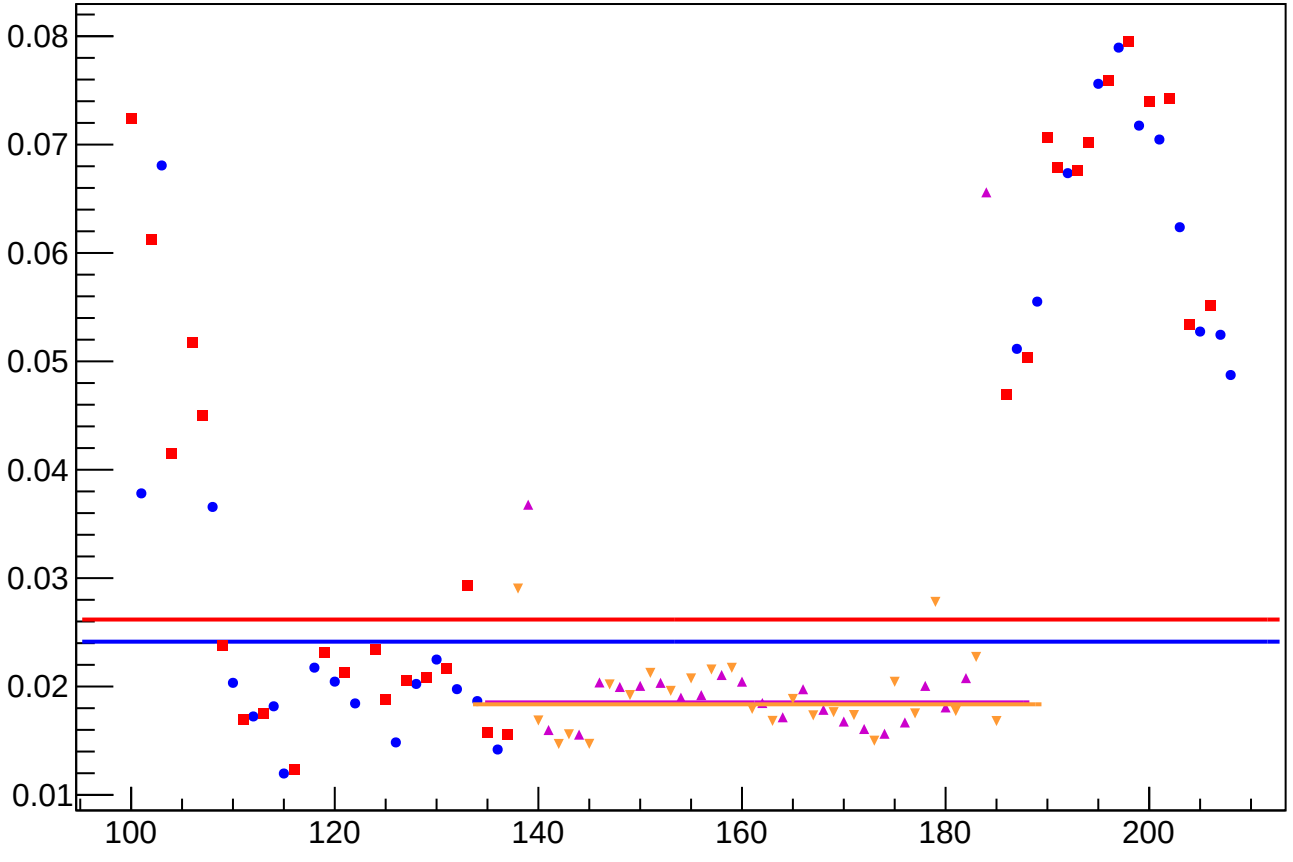
Right: -0.162+/-0.000 χ^2/NDF: 481465856.7/57

In: -0.273+/-0.000 χ^2/NDF:721849715.7/49

Out: -0.289+/-0.000 χ^2/NDF:698820987.7/55

All: -0.281+/-0.000 χ^2/NDF: 1427913706.3/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 8494003.6/26

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8613011.4/30

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

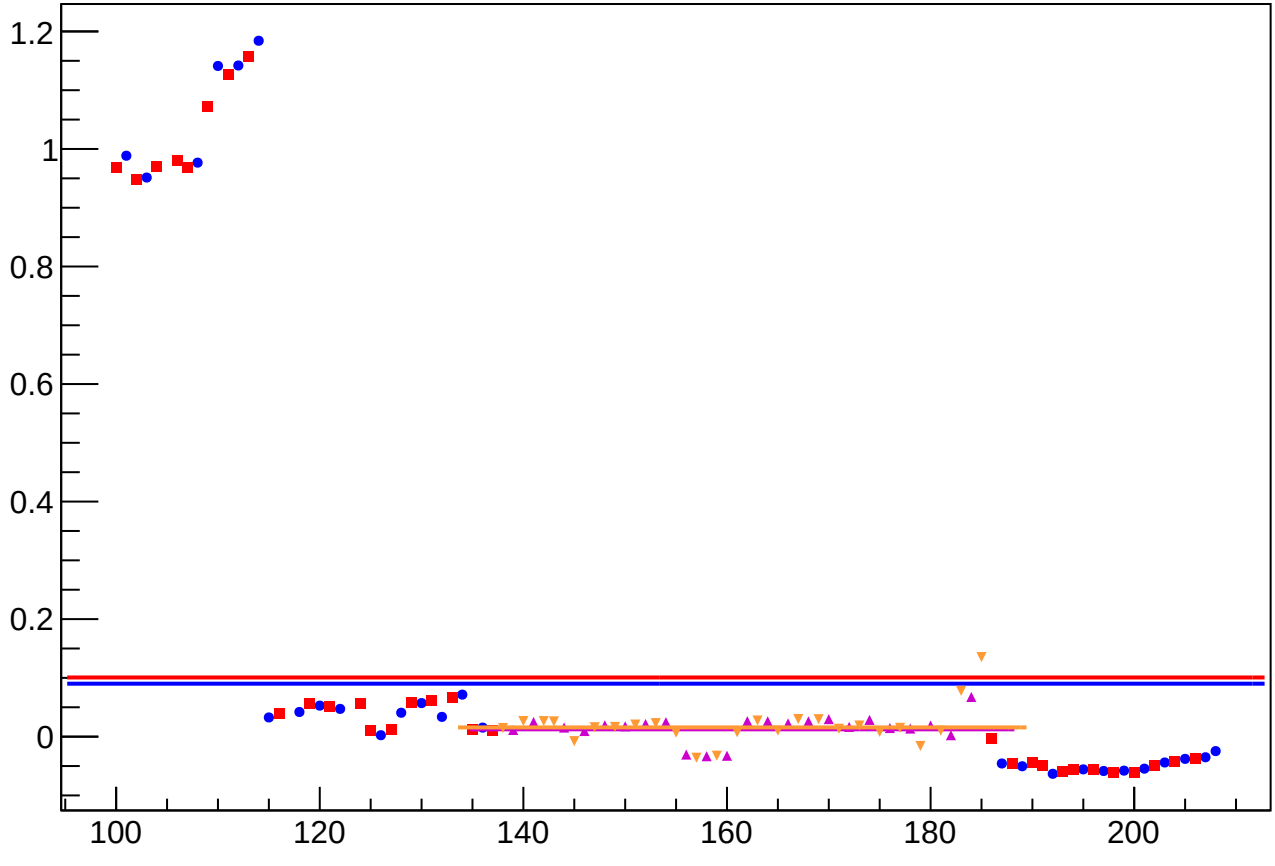
Right: 0.025+/-0.000 χ^2/NDF: 17175011.9/57

In: 0.020+/-0.000 χ^2/NDF:10195955.4/49

Out: 0.020+/-0.000 χ^2/NDF:10763553.9/55

All: 0.020+/-0.000 χ^2/NDF: 20961522.9/105

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 8375321547.9/26

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.101+/-0.000 χ^2/NDF: 9107017066.7/30

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

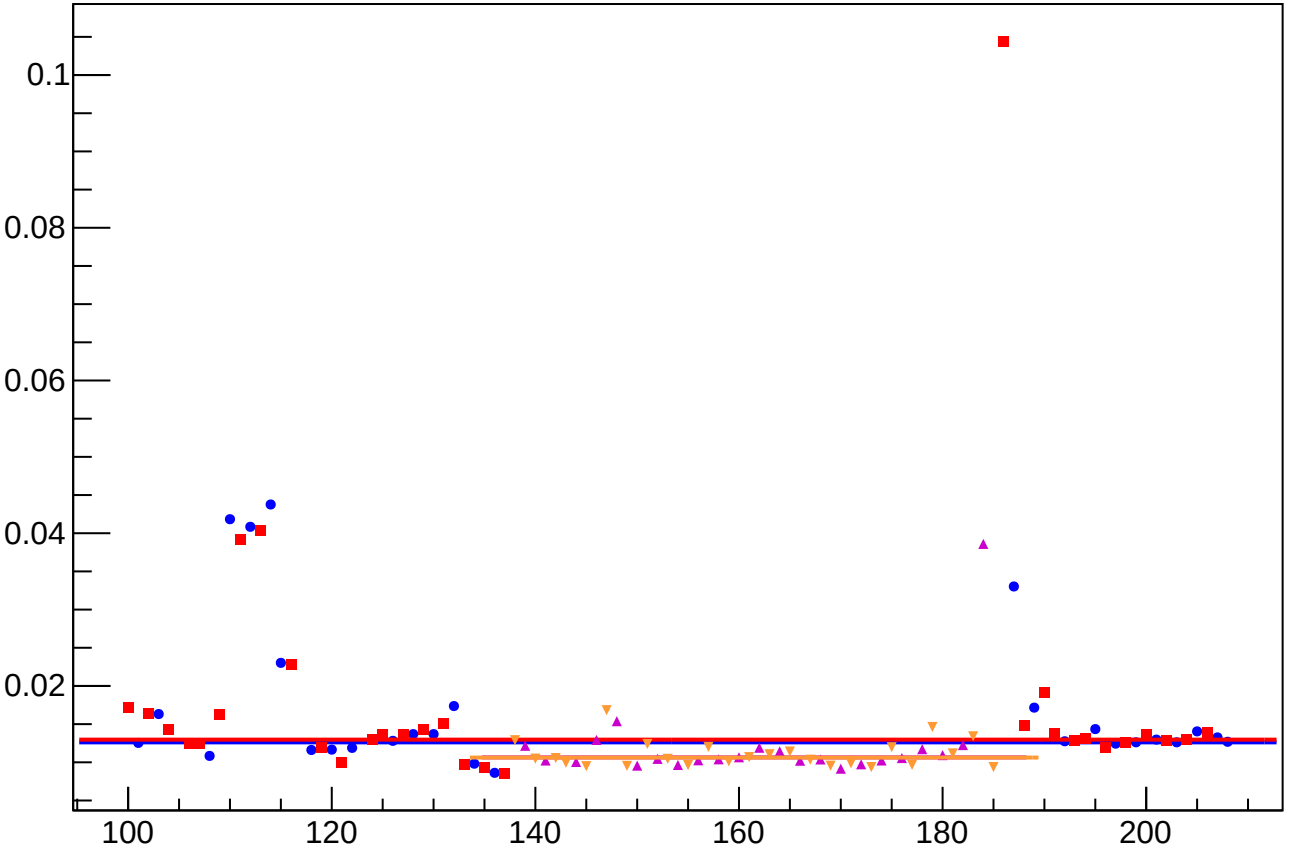
Right: 0.095+/-0.000 χ^2/NDF: 17487199811.5/57

In: 0.041+/-0.000 χ^2/NDF:8769370139.4/49

Out: 0.046+/-0.000 χ^2/NDF:9611936358.7/55

All: 0.043+/-0.000 χ^2/NDF: 18383505847.0/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1755873.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2120044.5/30

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

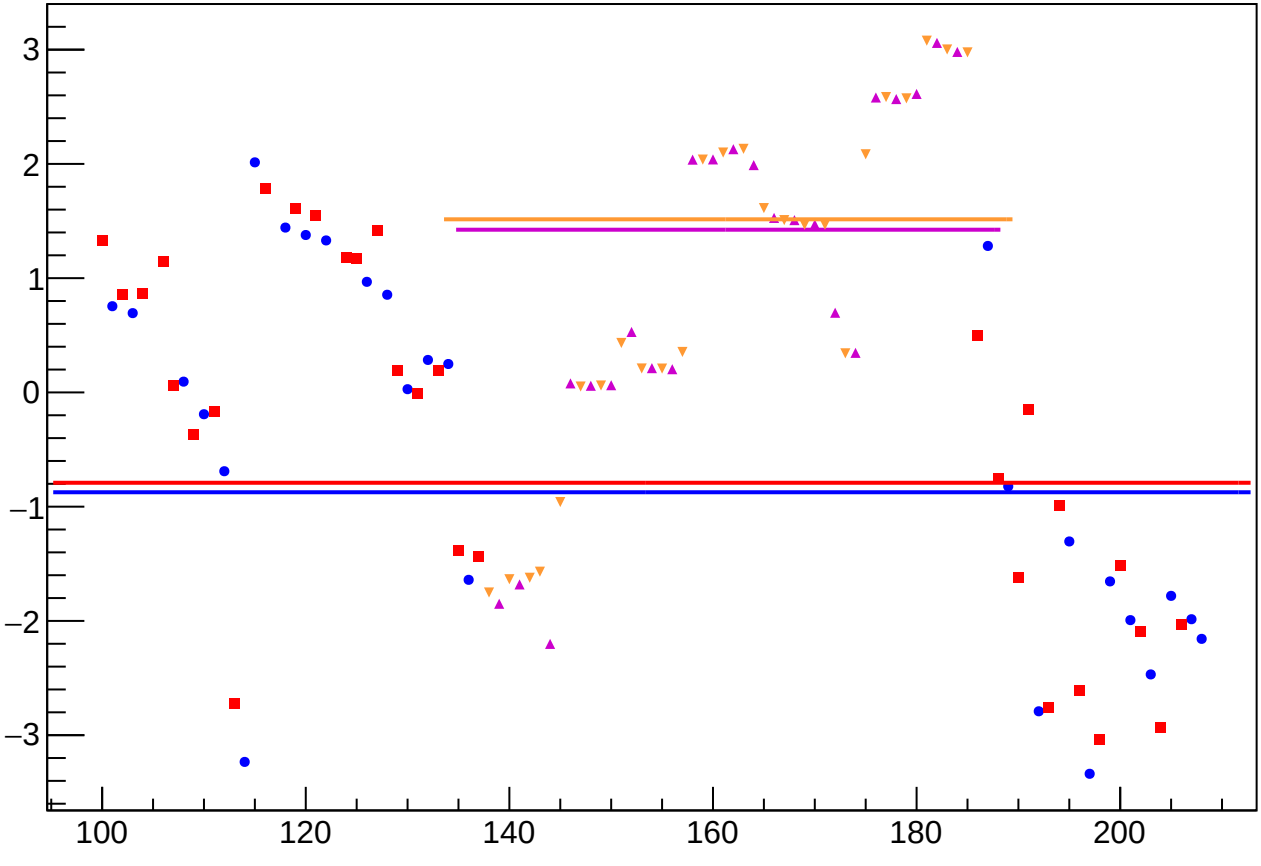
Right: 0.013+/-0.000 χ^2/NDF: 3887000.5/57

In: 0.011+/-0.000 χ^2/NDF:2759612.4/49

Out: 0.011+/-0.000 χ^2/NDF:3353018.2/55

All: 0.011+/-0.000 χ^2/NDF: 6113927.9/105

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.874+/-0.000 χ^2/NDF: 8582008632.5/26

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.791+/-0.000 χ^2/NDF: 8918862604.4/30

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

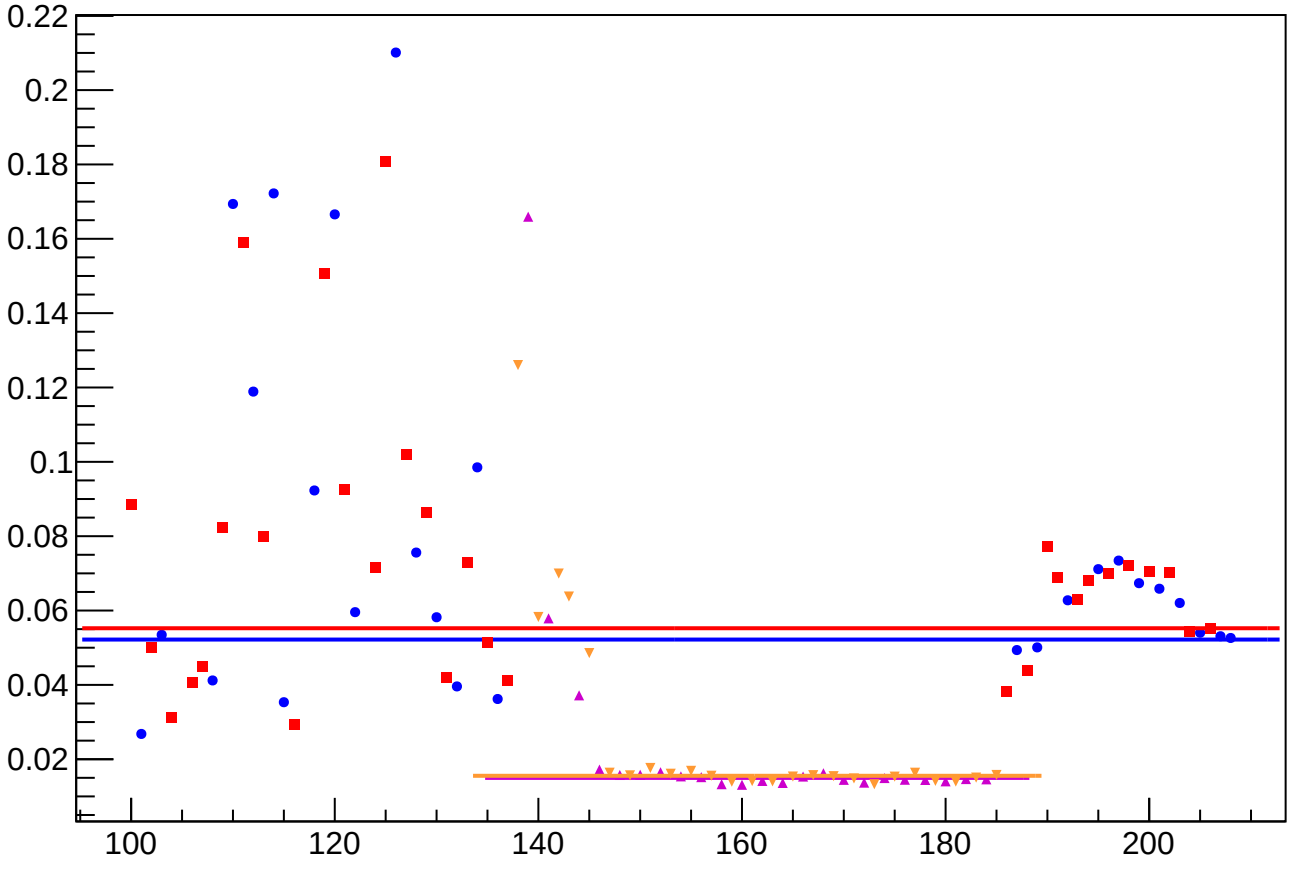
Right: -0.833+/-0.000 χ^2/NDF: 17515185591.8/57

In: 1.278+/-0.000 χ^2/NDF:97533663937.7/49

Out: 1.370+/-0.000 χ^2/NDF:97004388236.3/55

All: 1.323+/-0.000 χ^2/NDF: 194817331605.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3553767.2/26

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3141385.1/30

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

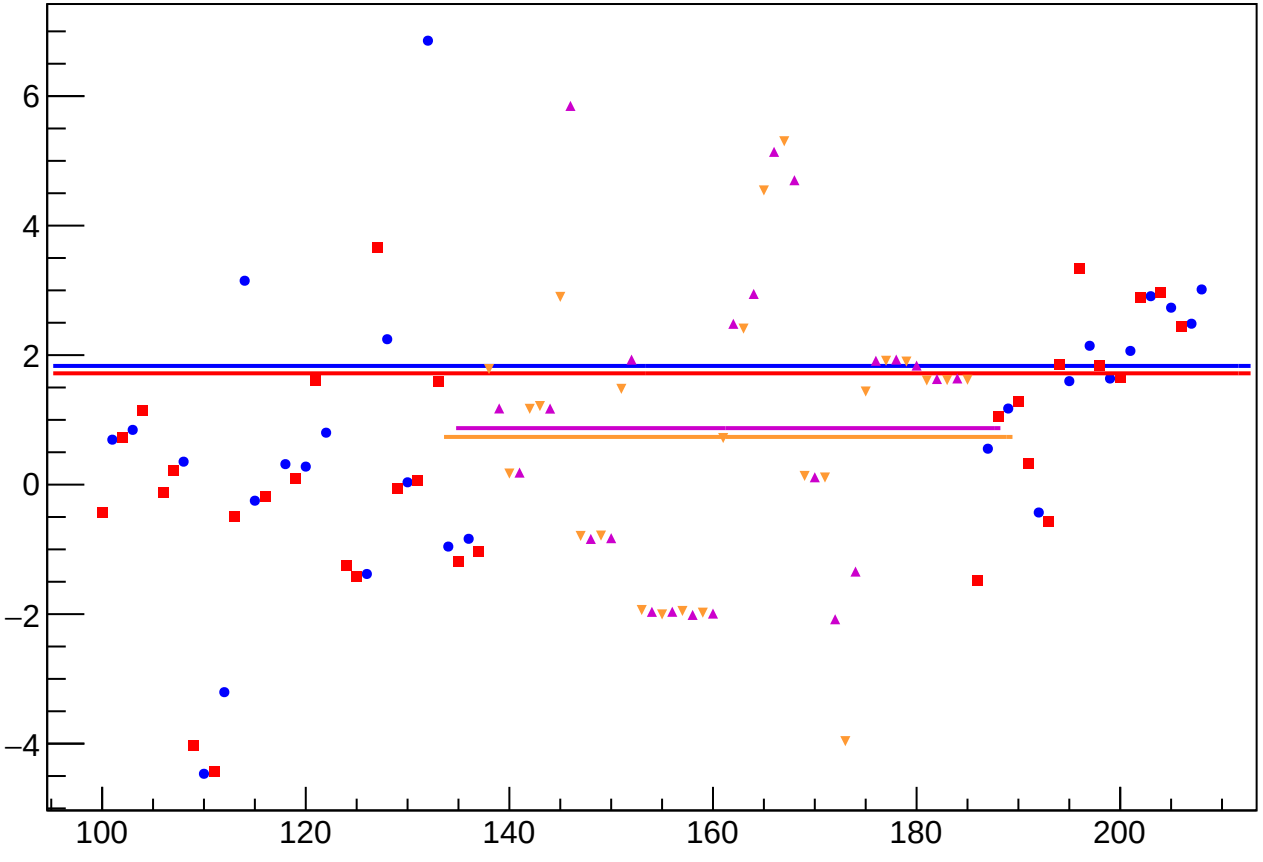
Right: 0.054+/-0.000 χ^2/NDF: 6733580.4/57

In: 0.017+/-0.000 χ^2/NDF:16705443.9/49

Out: 0.018+/-0.000 χ^2/NDF:18152744.2/55

All: 0.018+/-0.000 χ^2/NDF: 34890027.3/105

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.833+/-0.000 χ^2/NDF: 38703790279.6/26

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.719+/-0.000 χ^2/NDF: 37533112033.2/30

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

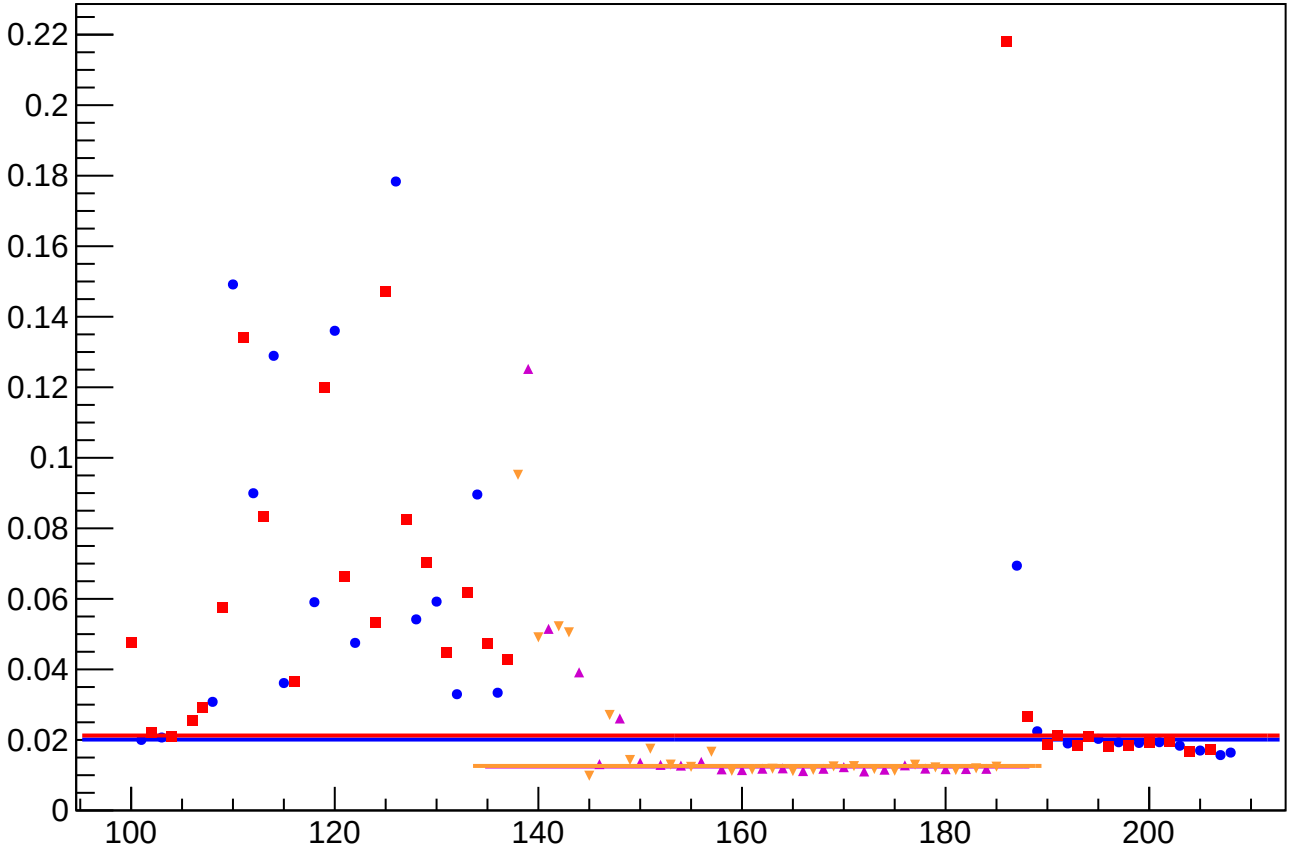
Right: 1.778+/-0.000 χ^2/NDF: 76400310410.0/57

In: 1.072+/-0.000 χ^2/NDF:677849437862.0/49

Out: 0.929+/-0.000 χ^2/NDF:592274158907.5/55

All: 1.001+/-0.000 χ^2/NDF: 1271388942730.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 4394798.7/26

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.021+/-0.000 χ^2/NDF: 5324260.9/30

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

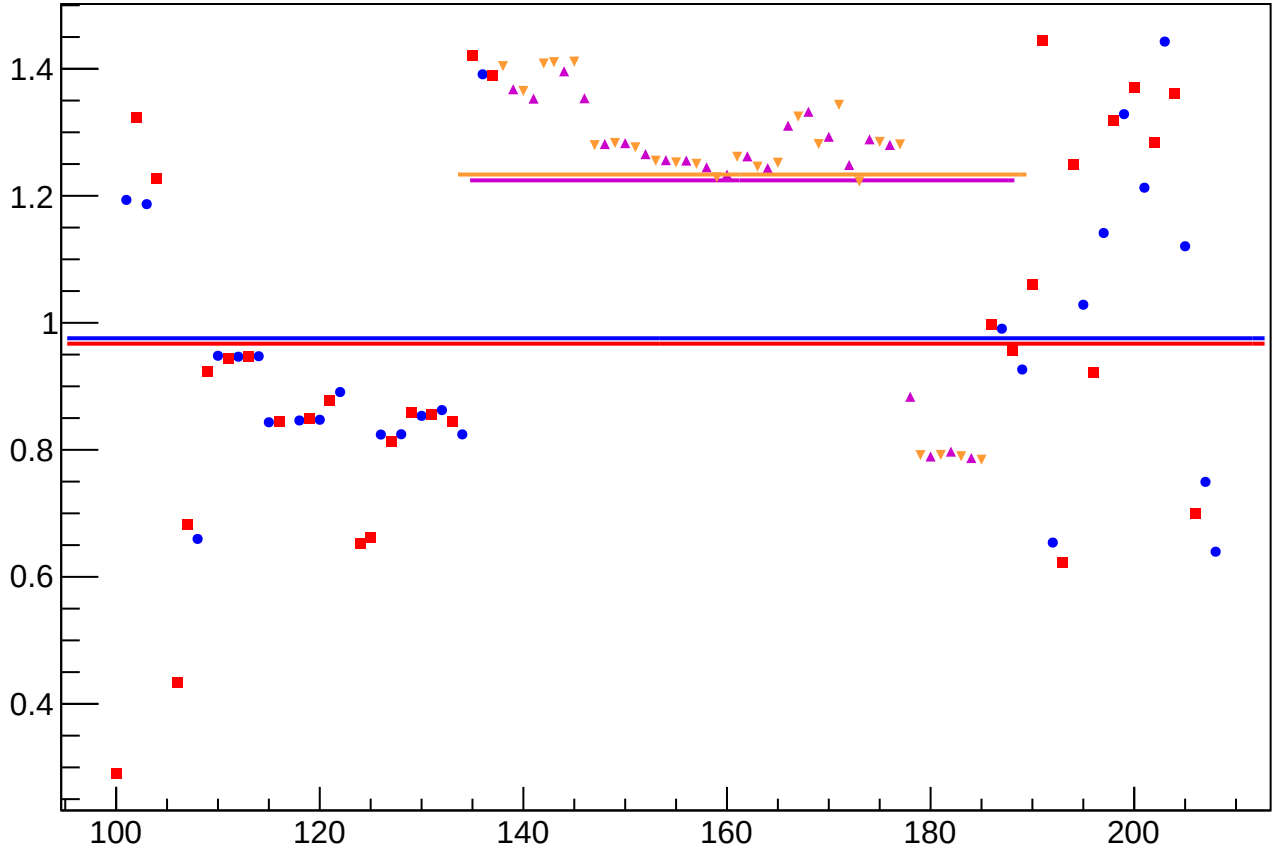
Right: 0.021+/-0.000 χ^2/NDF: 9751795.1/57

In: 0.014+/-0.000 χ^2/NDF:9558901.1/49

Out: 0.014+/-0.000 χ^2/NDF:11412076.6/55

All: 0.014+/-0.000 χ^2/NDF: 20979987.9/105

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.976+/-0.000 χ^2/NDF: 1971512295.7/26

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.967+/-0.000 χ^2/NDF: 2325606278.0/30

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

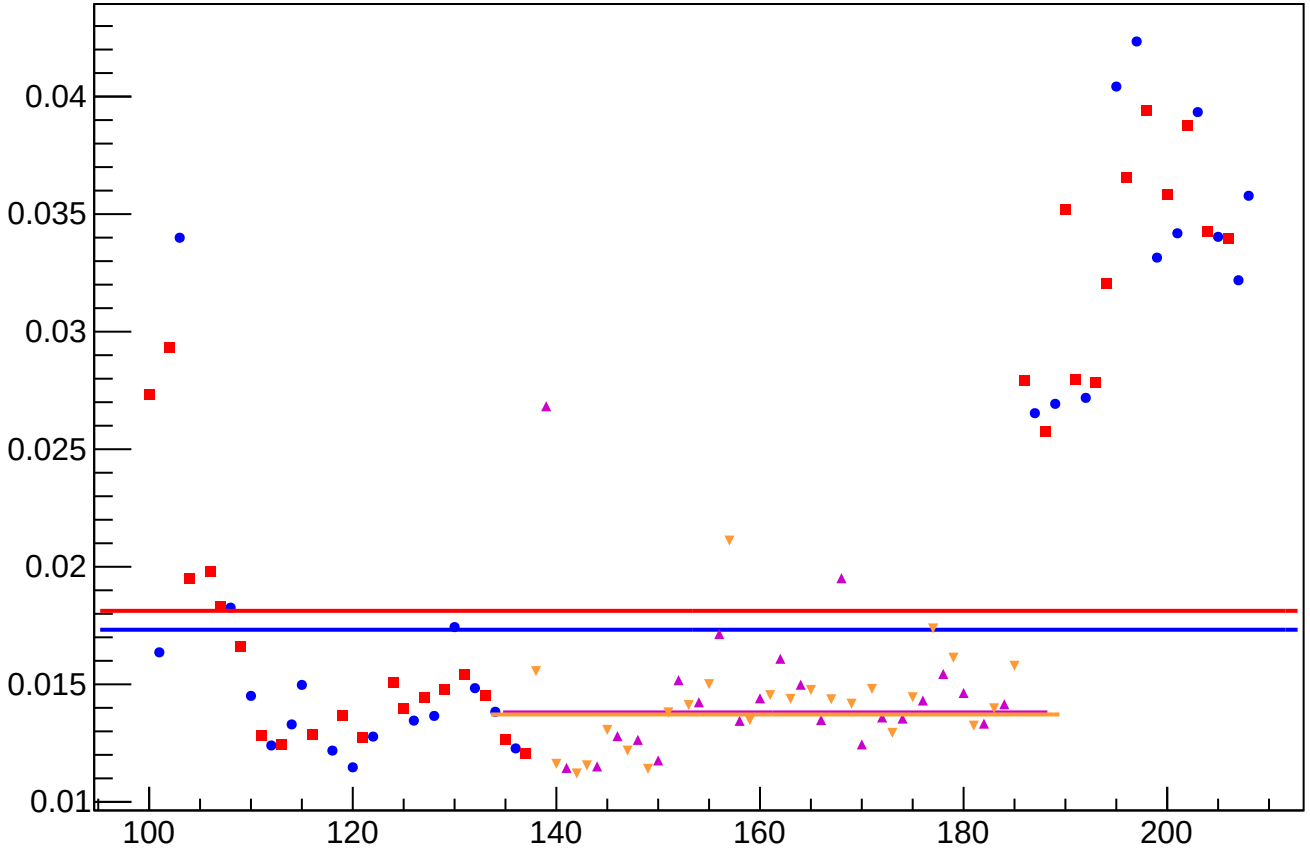
Right: 0.971+/-0.000 χ^2/NDF: 4298540226.7/57

In: 1.146+/-0.000 χ^2/NDF:6293472044.3/49

Out: 1.154+/-0.000 χ^2/NDF:7283681370.7/55

All: 1.150+/-0.000 χ^2/NDF: 13581467786.6/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 5230958.0/26

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4767913.3/30

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

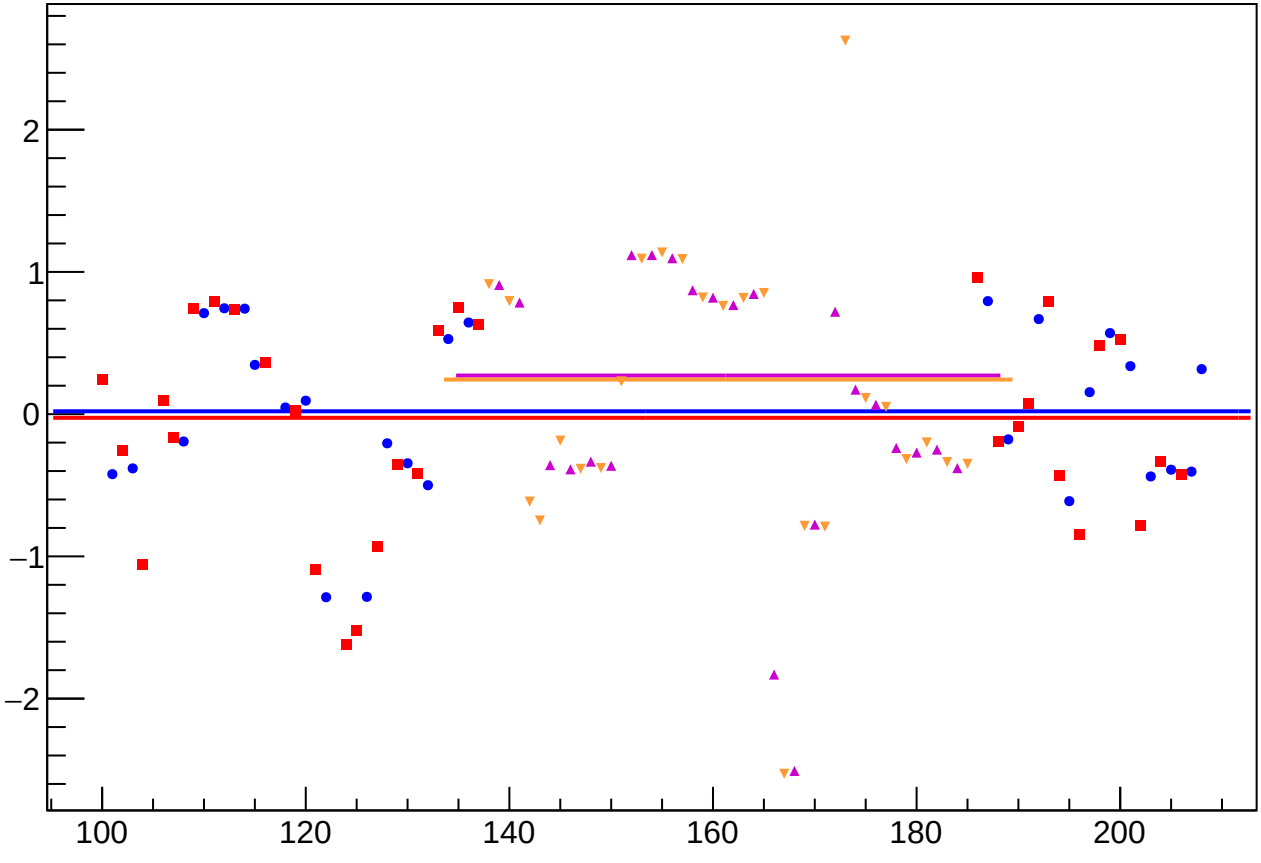
Right: 0.018+/-0.000 χ^2/NDF: 10024115.8/57

In: 0.015+/-0.000 χ^2/NDF:6768948.6/49

Out: 0.015+/-0.000 χ^2/NDF:6367458.3/55

All: 0.015+/-0.000 χ^2/NDF: 13138185.4/105

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 24786479371.2/26

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: -0.026+/-0.000 χ^2/NDF: 35258774585.4/30

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

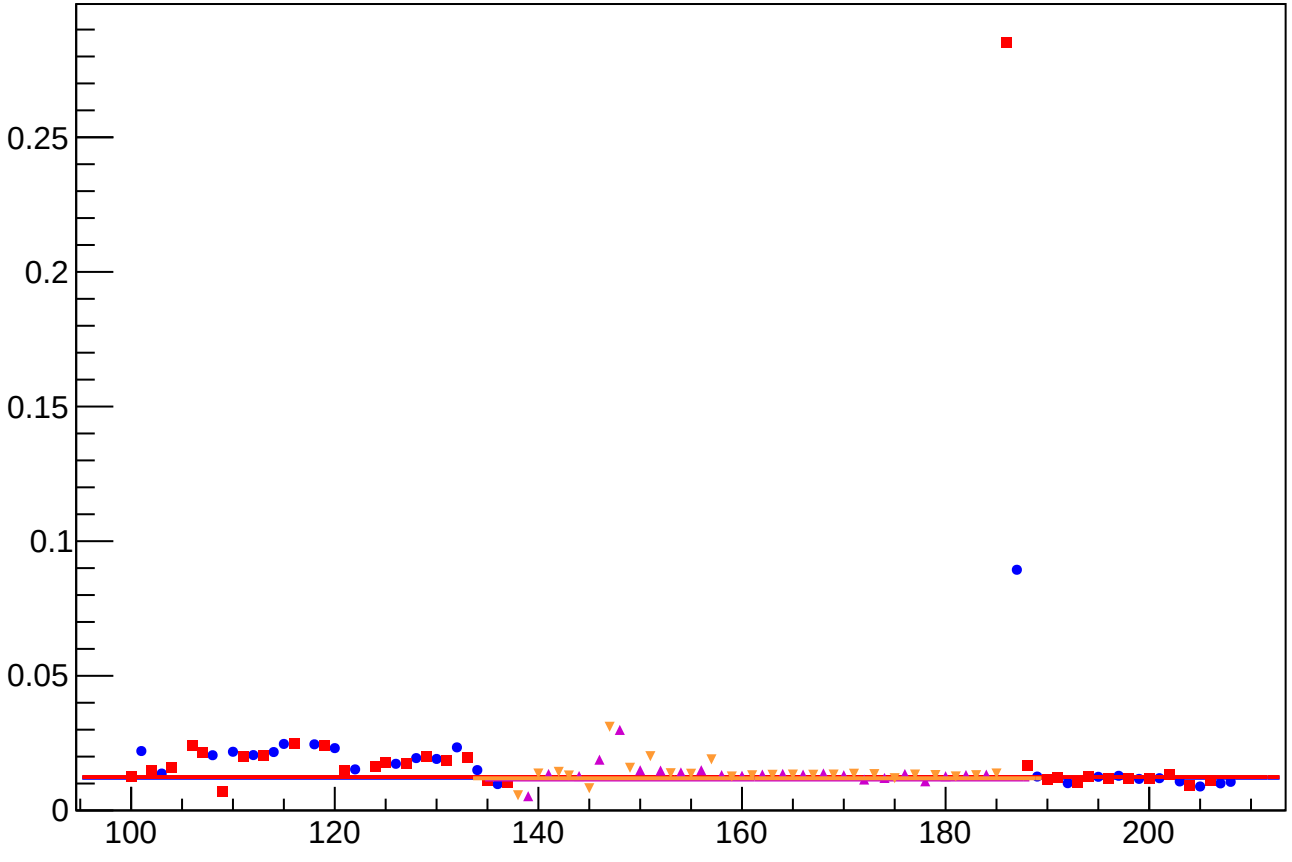
Right: -0.002+/-0.000 χ^2/NDF: 60137382116.4/57

In: 0.164+/-0.000 χ^2/NDF:118480580970.8/49

Out: 0.130+/-0.000 χ^2/NDF:144449581180.1/55

All: 0.147+/-0.000 χ^2/NDF: 263048960652.3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2538790.8/26

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2884640.0/30

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

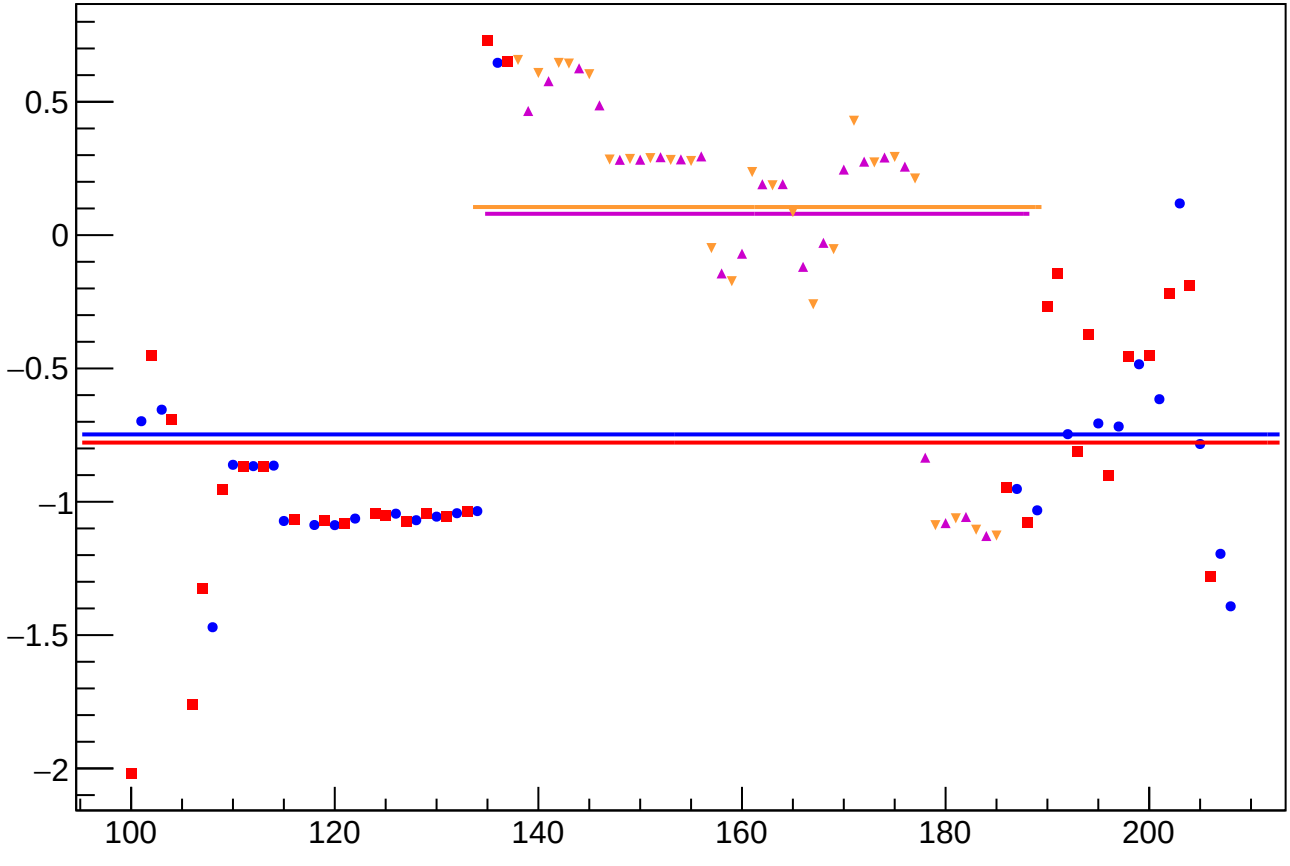
Right: 0.012+/-0.000 χ^2/NDF: 5430428.5/57

In: 0.012+/-0.000 χ^2/NDF:6251970.9/49

Out: 0.012+/-0.000 χ^2/NDF:6172334.3/55

All: 0.012+/-0.000 χ^2/NDF: 12454195.1/105

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.747+/-0.000 χ^2/NDF: 2238255598.3/26

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.778+/-0.000 χ^2/NDF: 2104951806.6/30

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

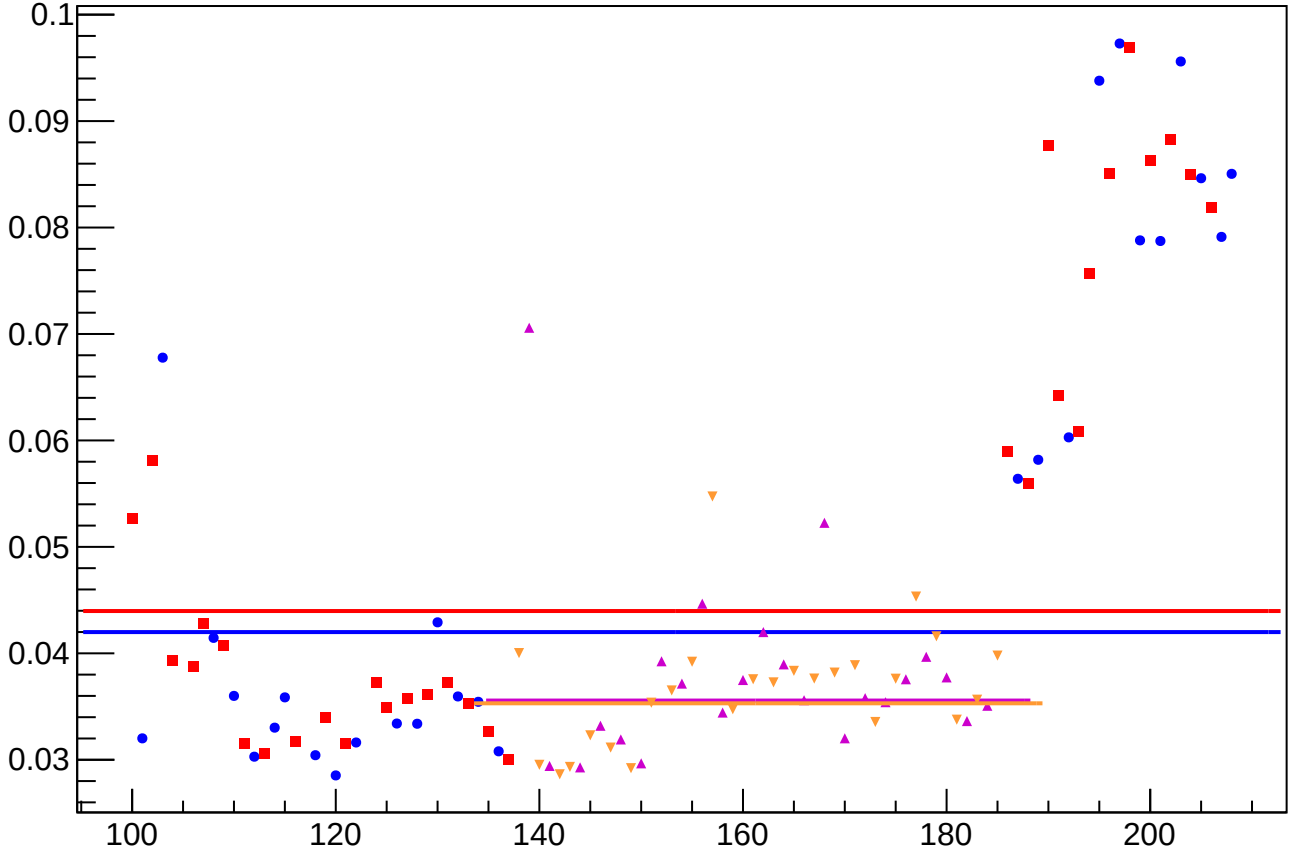
Right: -0.762+/-0.000 χ^2/NDF: 4346397879.6/57

In: -0.211+/-0.000 χ^2/NDF:8570201882.4/49

Out: -0.187+/-0.000 χ^2/NDF:9382656140.9/55

All: -0.199+/-0.000 χ^2/NDF: 17958334865.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 4860838.3/26

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.044+/-0.000 χ^2/NDF: 4248330.1/30

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

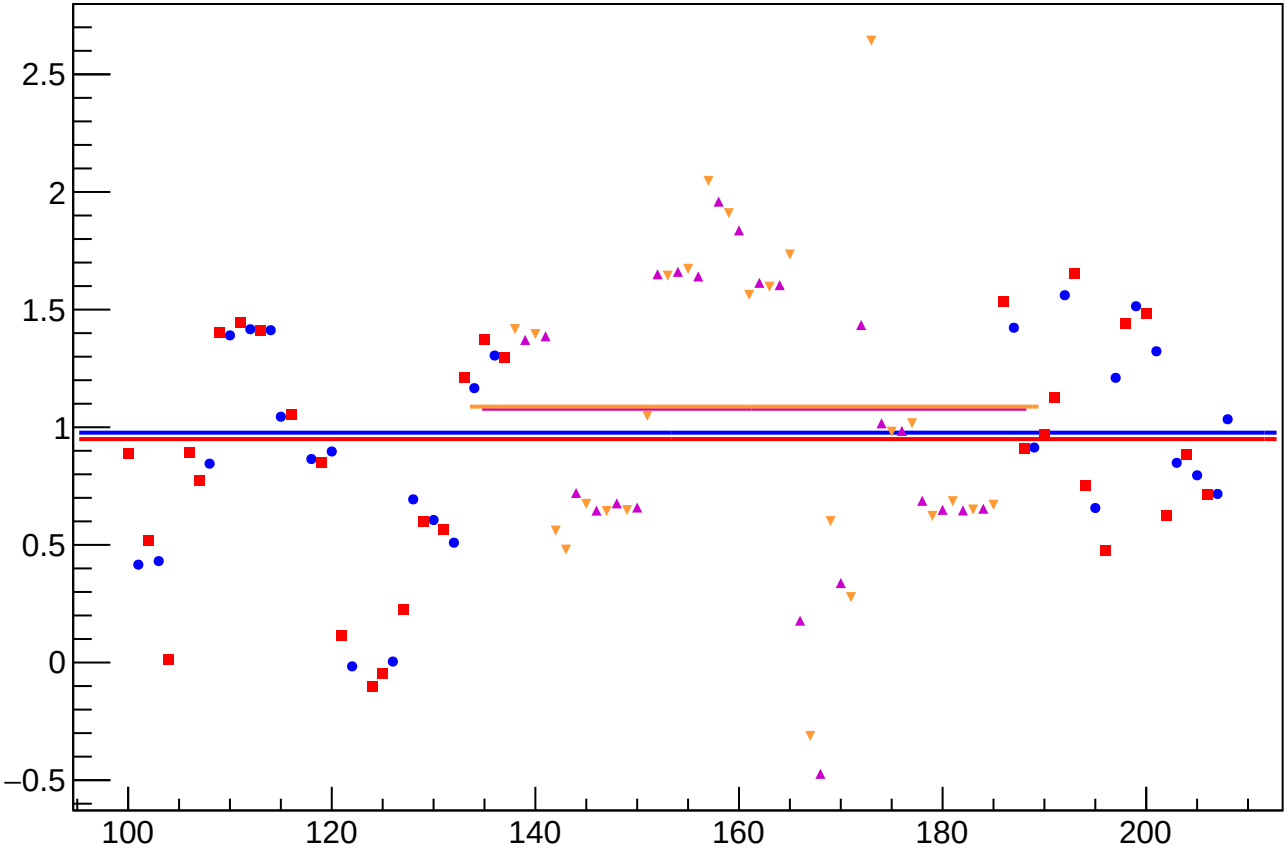
Right: 0.043+/-0.000 χ^2/NDF: 9135735.1/57

In: 0.038+/-0.000 χ^2/NDF:6191429.6/49

Out: 0.038+/-0.000 χ^2/NDF:5533321.9/55

All: 0.038+/-0.000 χ^2/NDF: 11727224.4/105

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.977+/-0.000 χ^2/NDF: 29182272512.5/26

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.950+/-0.000 χ^2/NDF: 36658696227.4/30

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

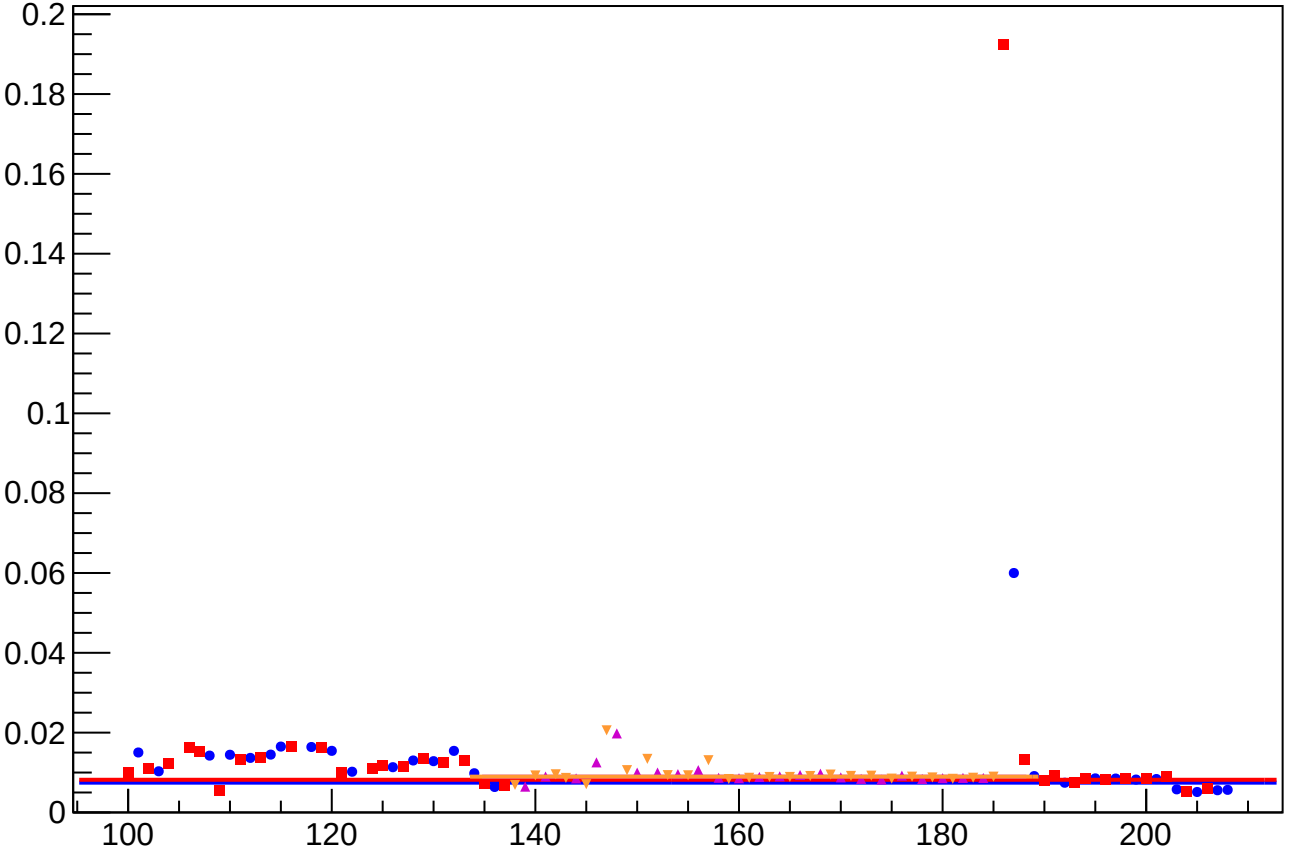
Right: 0.964+/-0.000 χ^2/NDF: 65920675410.8/57

In: 1.026+/-0.000 χ^2/NDF:104408089486.0/49

Out: 1.023+/-0.000 χ^2/NDF:132514549724.0/55

All: 1.024+/-0.000 χ^2/NDF: 236924181520.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3500818.4/26

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3465877.0/30

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

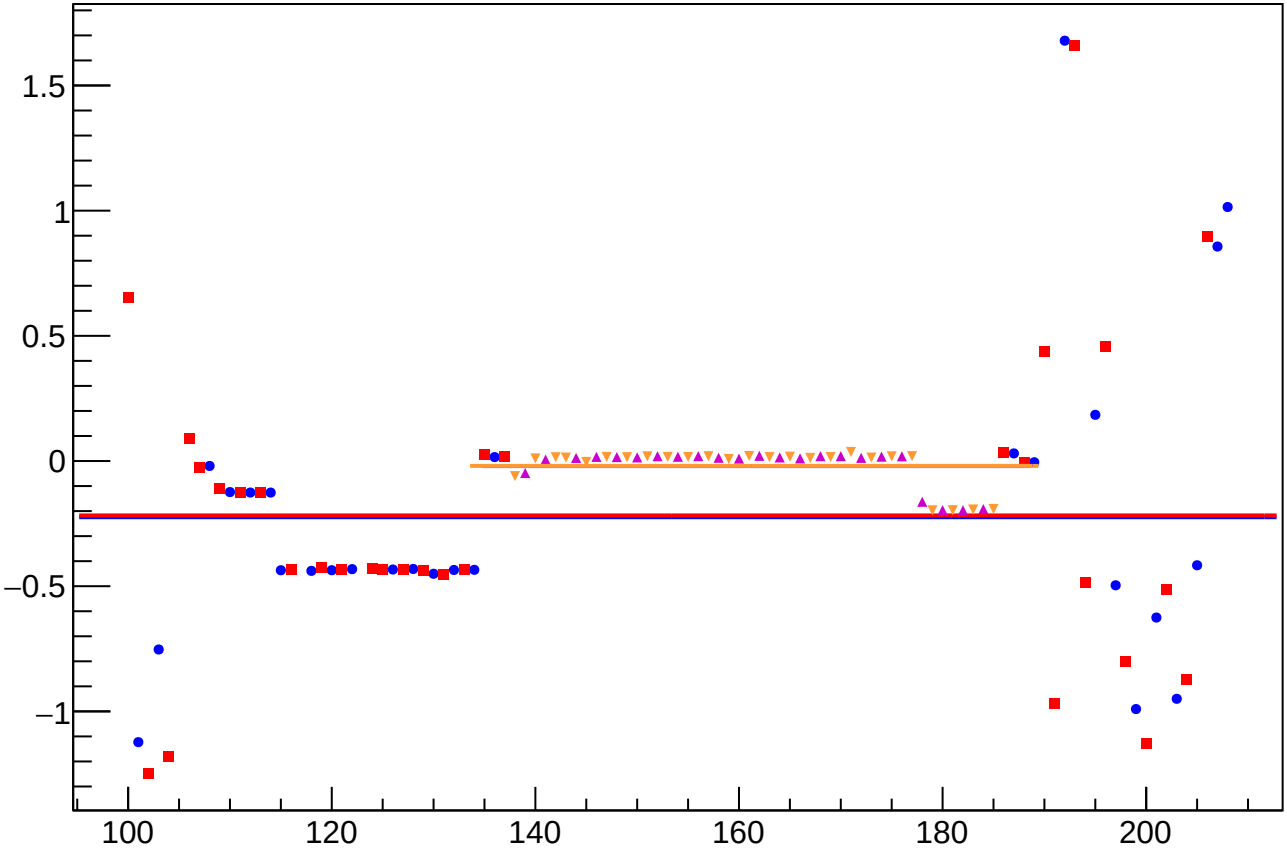
Right: 0.008+/-0.000 χ^2/NDF: 7078210.1/57

In: 0.008+/-0.000 χ^2/NDF:4953560.5/49

Out: 0.009+/-0.000 χ^2/NDF:4742181.7/55

All: 0.008+/-0.000 χ^2/NDF: 9776201.0/105

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF: 4408857336.0/26

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 3539059659.1/30

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

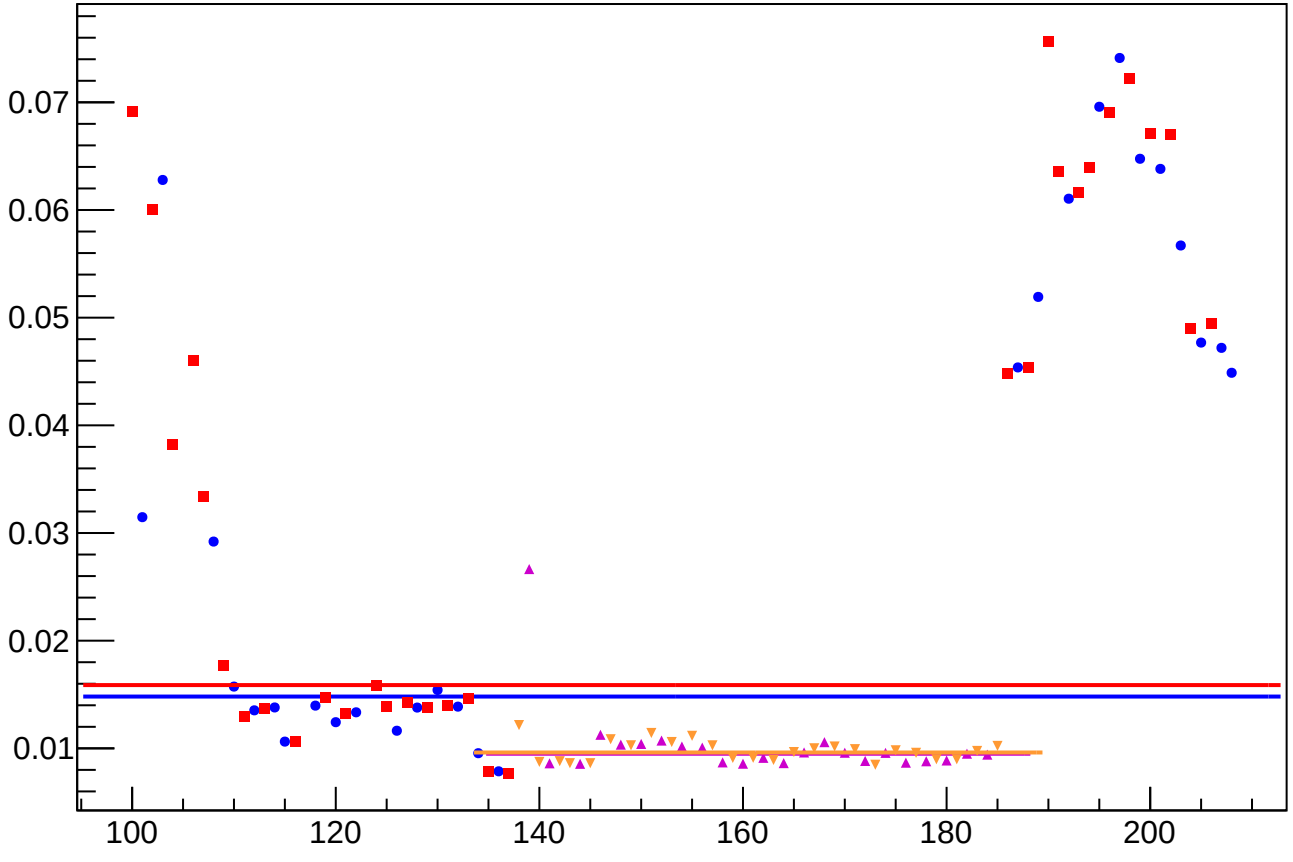
Right: -0.221+/-0.000 χ^2/NDF: 7948828415.9/57

In: -0.058+/-0.000 χ^2/NDF:6691584051.3/49

Out: -0.051+/-0.000 χ^2/NDF:5724507997.1/55

All: -0.055+/-0.000 χ^2/NDF: 12420267189.9/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 11503332.4/26

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 12023745.3/30

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

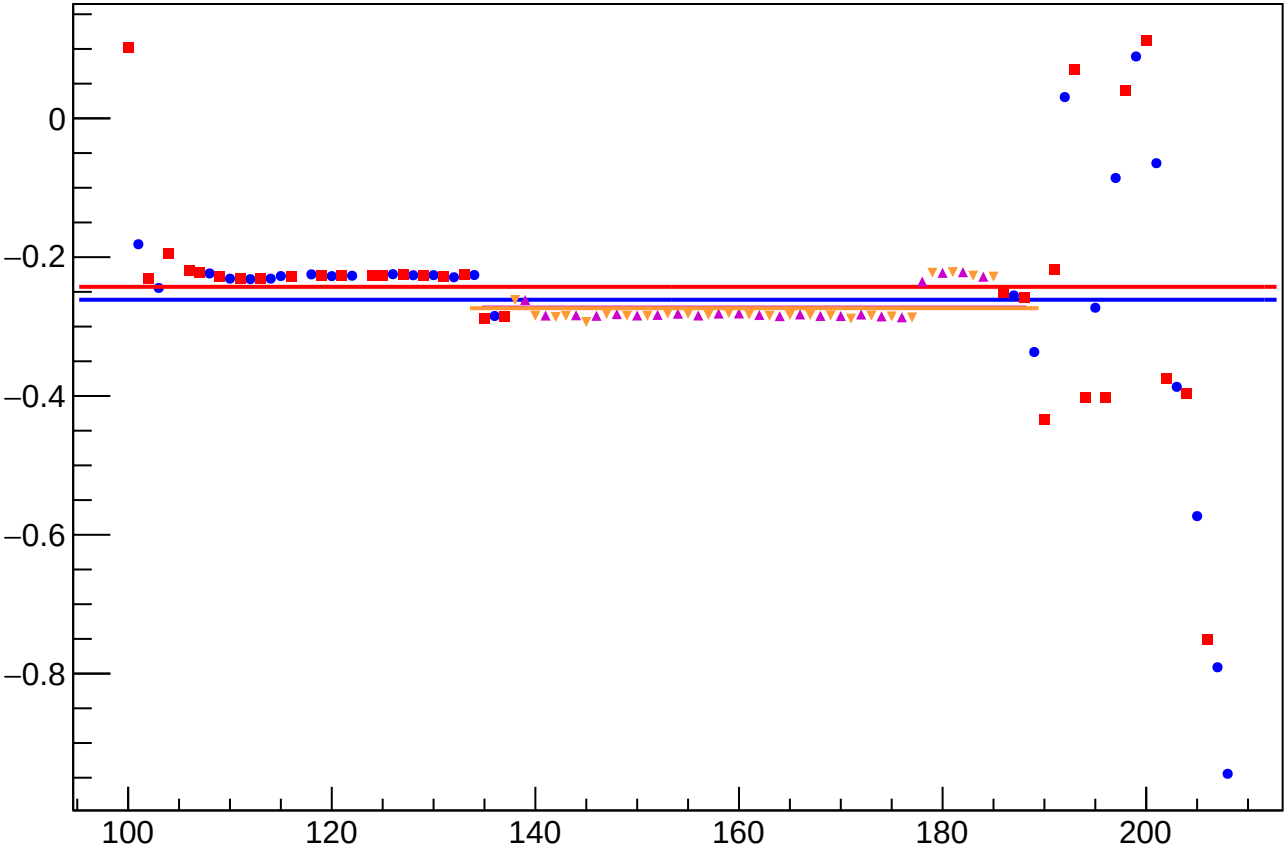
Right: 0.015+/-0.000 χ^2/NDF: 23568086.0/57

In: 0.010+/-0.000 χ^2/NDF:14160508.3/49

Out: 0.011+/-0.000 χ^2/NDF:14550488.5/55

All: 0.011+/-0.000 χ^2/NDF: 28715947.1/105

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.261+/-0.000 χ^2/NDF: 24342635149.0/26

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.243+/-0.000 χ^2/NDF: 14371152570.9/30

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

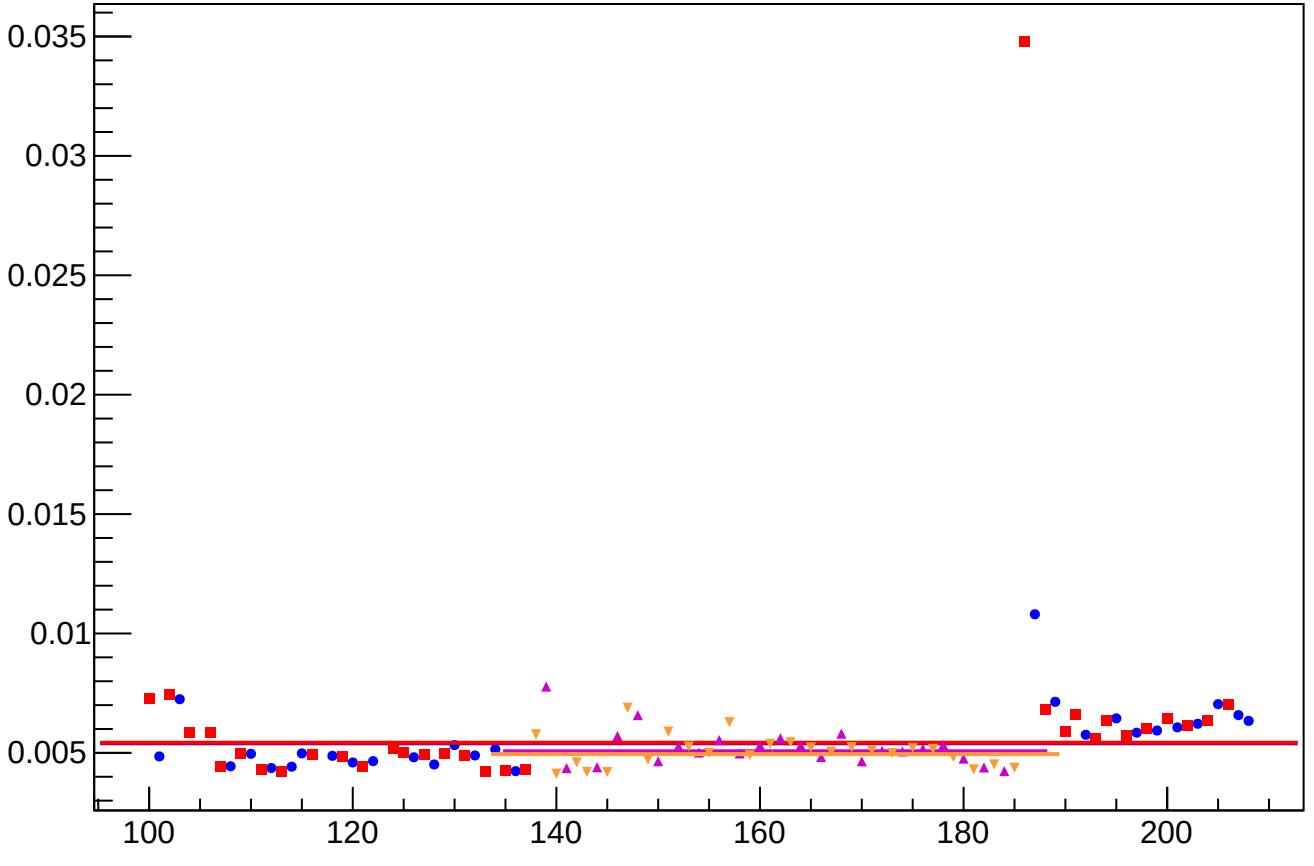
Right: -0.252+/-0.000 χ^2/NDF: 38799245208.7/57

In: -0.268+/-0.000 χ^2/NDF:24713649678.7/49

Out: -0.261+/-0.000 χ^2/NDF:15048568565.1/55

All: -0.264+/-0.000 χ^2/NDF: 39789364108.6/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 867992.7/26

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1416933.3/30

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

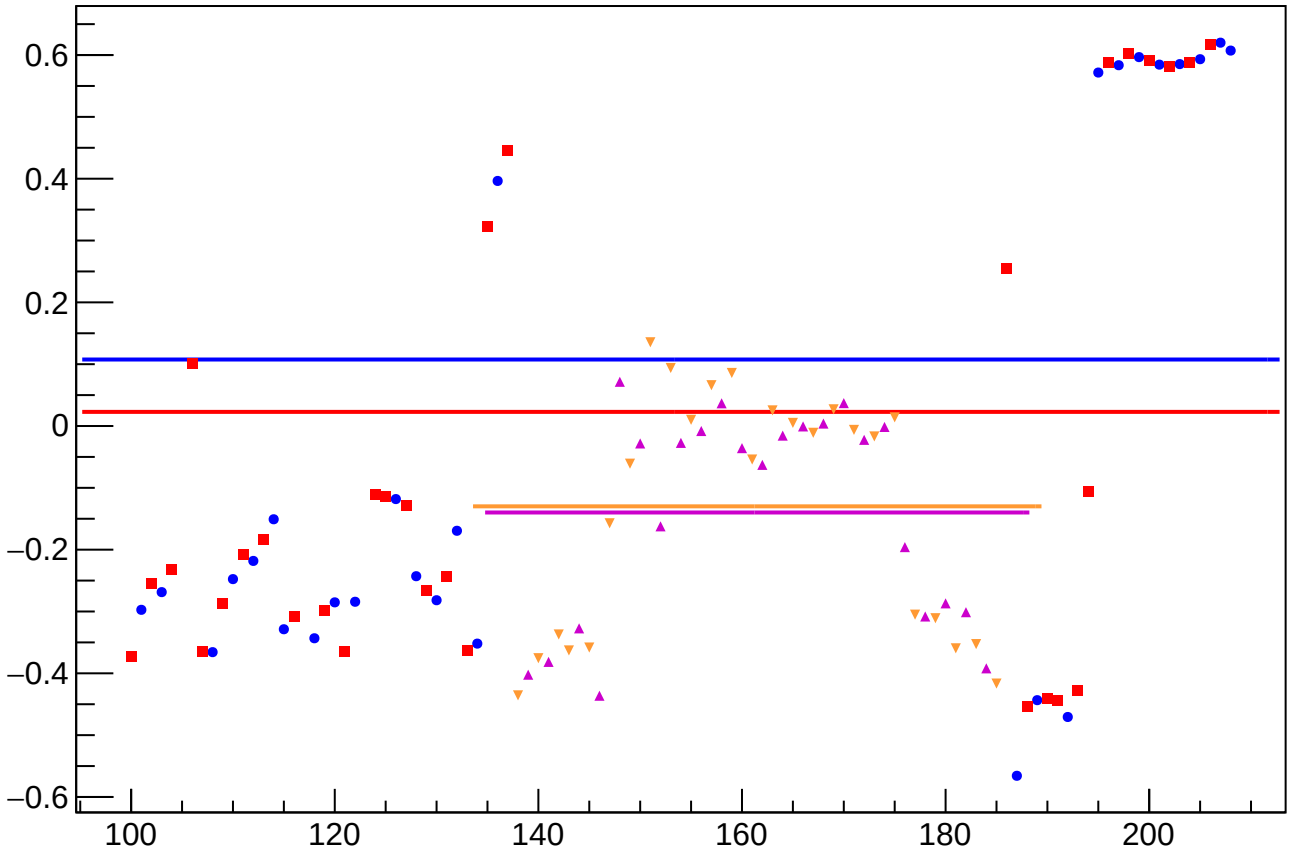
Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

Right: 0.005+/-0.000 χ^2/NDF: 2285209.9/57

In: 0.005+/-0.000 χ^2/NDF:1470704.3/49

Out: 0.005+/-0.000 χ^2/NDF:2080060.6/55

All: 0.005+/-0.000 χ^2/NDF: 3556038.8/105



Right In: 0.108+/-0.000 χ^2/NDF: 65184652037.3/26

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 59249688177.1/30

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

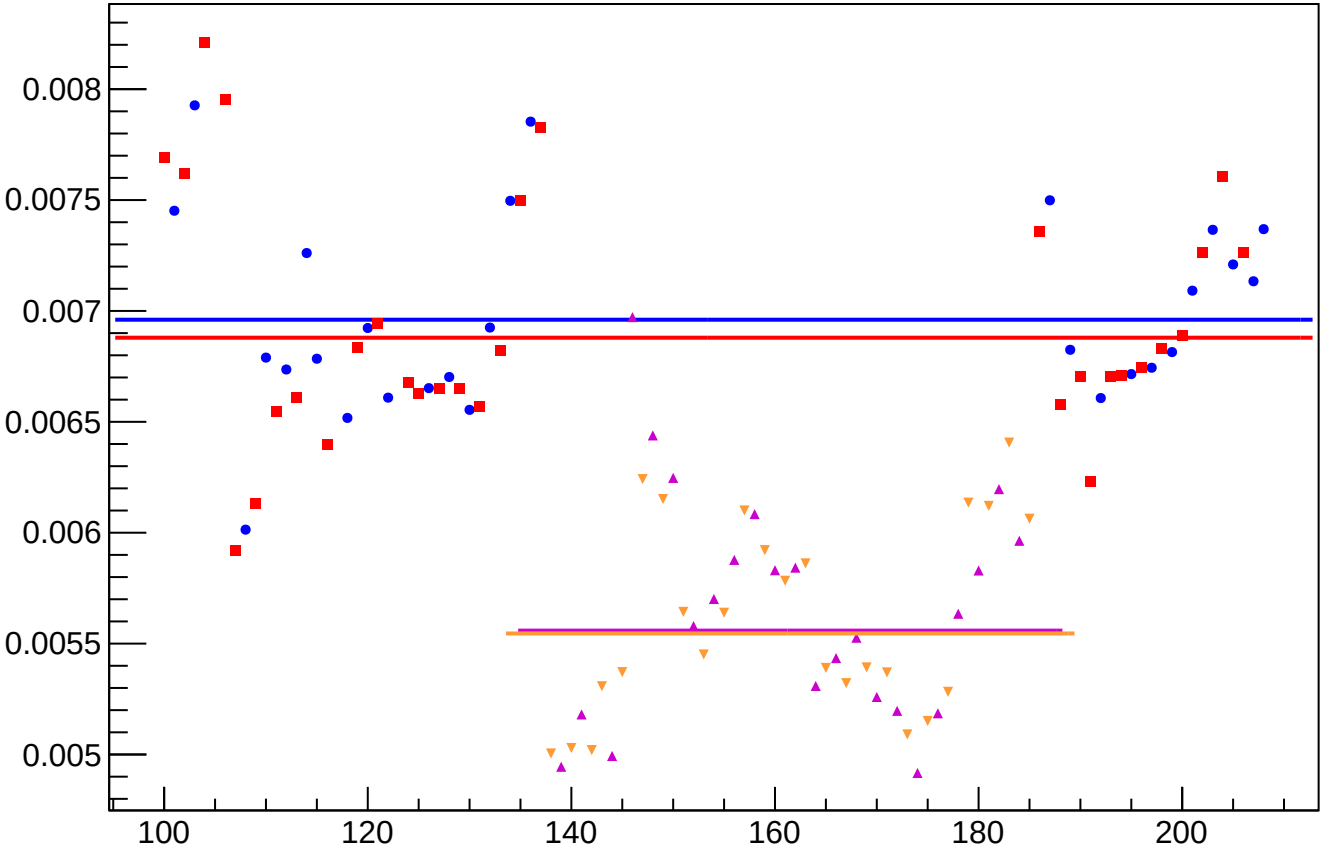
Right: 0.064+/-0.000 χ^2/NDF: 125615961077.4/57

In: -0.050+/-0.000 χ^2/NDF:92806101847.9/49

Out: -0.075+/-0.000 χ^2/NDF:85790816303.7/55

All: -0.063+/-0.000 χ^2/NDF: 178877296235.1

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 112002.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 142044.3/30

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

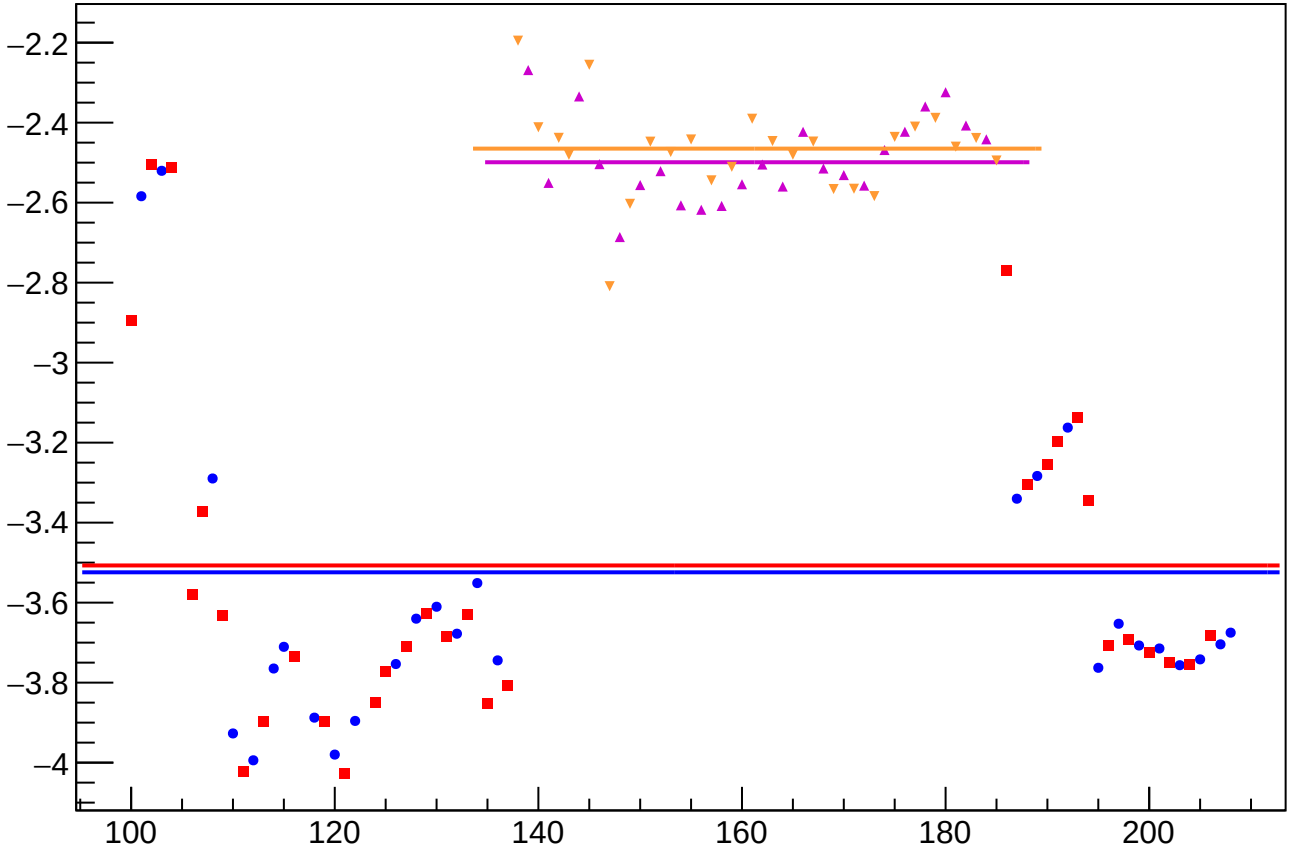
Right: 0.007+/-0.000 χ^2/NDF: 256213.9/57

In: 0.006+/-0.000 χ^2/NDF:1173865.8/49

Out: 0.006+/-0.000 χ^2/NDF:1112635.5/55

All: 0.006+/-0.000 χ^2/NDF: 2287990.8/105

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.524+/-0.000 χ^2/NDF: 32809799546.8/26

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.507+/-0.000 χ^2/NDF: 34578968177.0/30

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

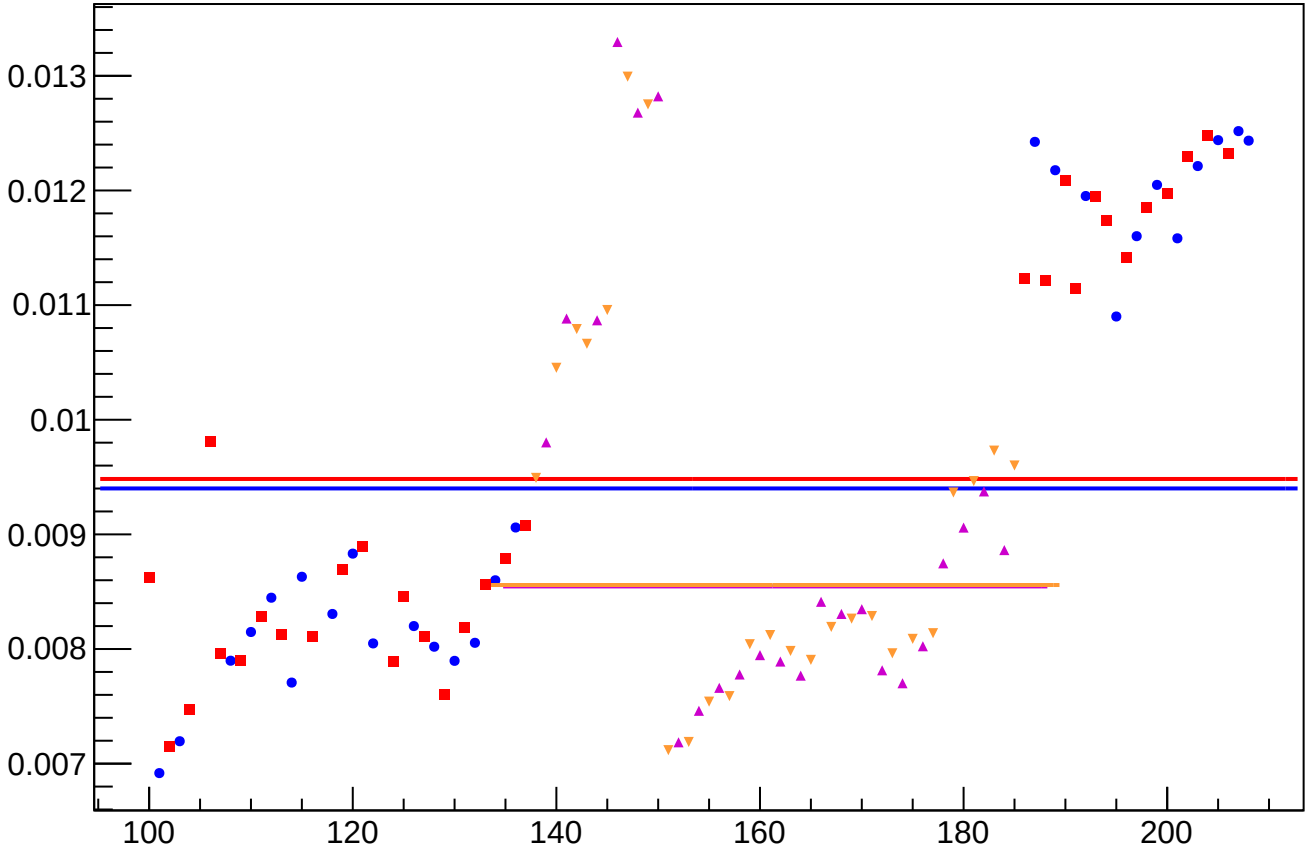
Right: -3.516+/-0.000 χ^2/NDF: 67413648887.8/57

In: -2.927+/-0.000 χ^2/NDF:137769794238.1/49

Out: -2.891+/-0.000 χ^2/NDF:146373123149.3/55

All: -2.909+/-0.000 χ^2/NDF: 284407748190.9

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1300956.1/26

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1195892.9/30

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

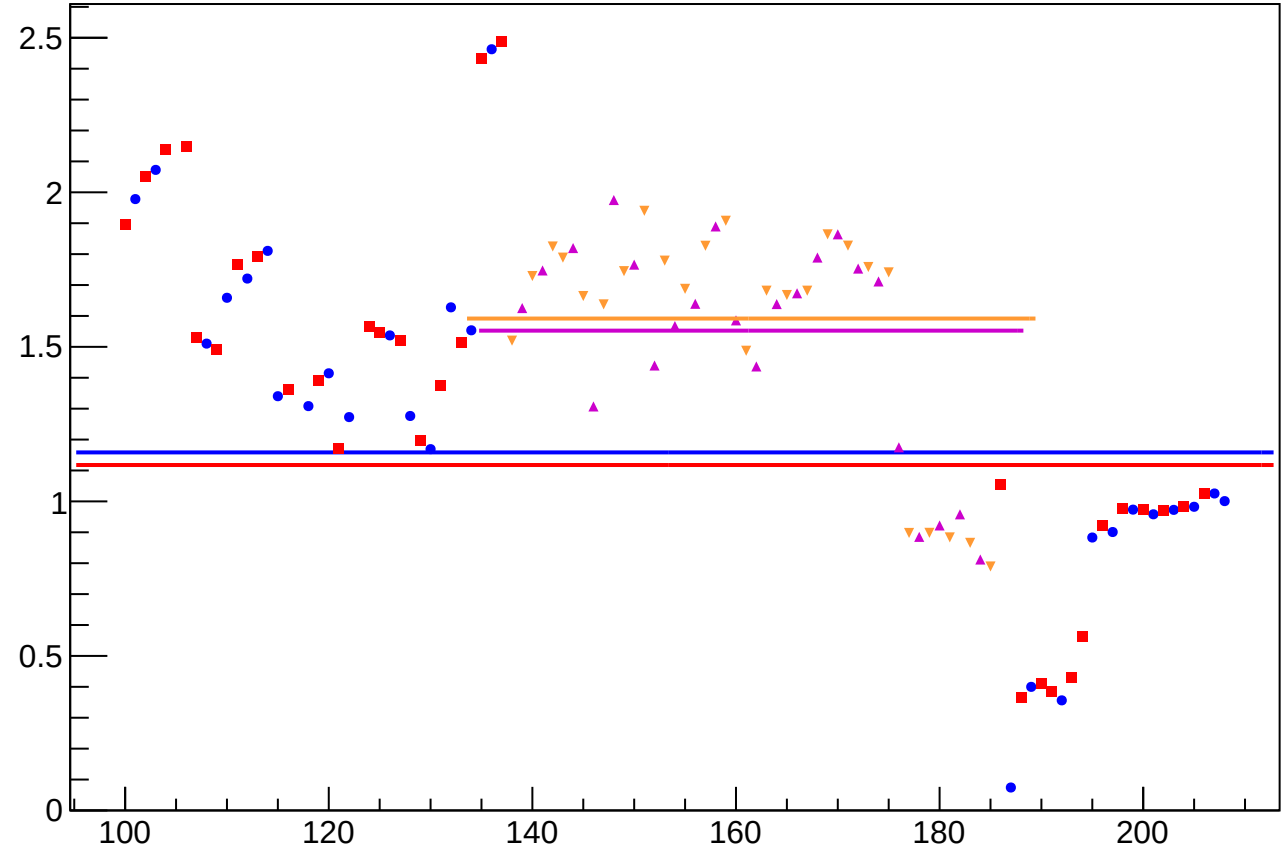
Right: 0.009+/-0.000 χ^2/NDF: 2498004.9/57

In: 0.009+/-0.000 χ^2/NDF:2354498.7/49

Out: 0.009+/-0.000 χ^2/NDF:2192671.7/55

All: 0.009+/-0.000 χ^2/NDF: 4547637.9/105

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.158+/-0.000 χ^2/NDF: 29400380582.3/26

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.118+/-0.000 χ^2/NDF: 34367529504.6/30

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

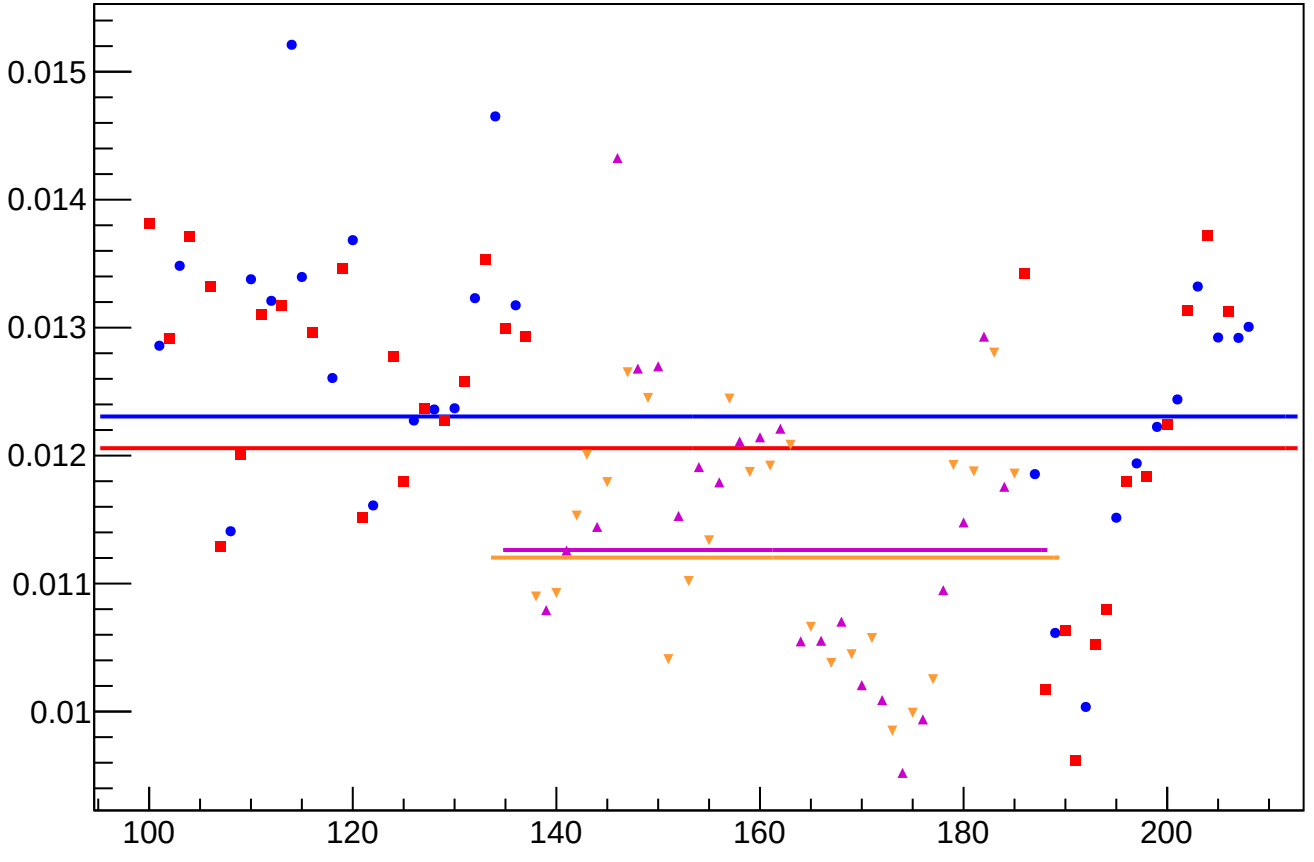
Right: 1.137+/-0.000 χ^2/NDF: 63855450236.1/57

In: 1.384+/-0.000 χ^2/NDF:52500870545.4/49

Out: 1.390+/-0.000 χ^2/NDF:65517709611.2/55

All: 1.387+/-0.000 χ^2/NDF: 118022031917.9

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 234129.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 303733.3/30

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

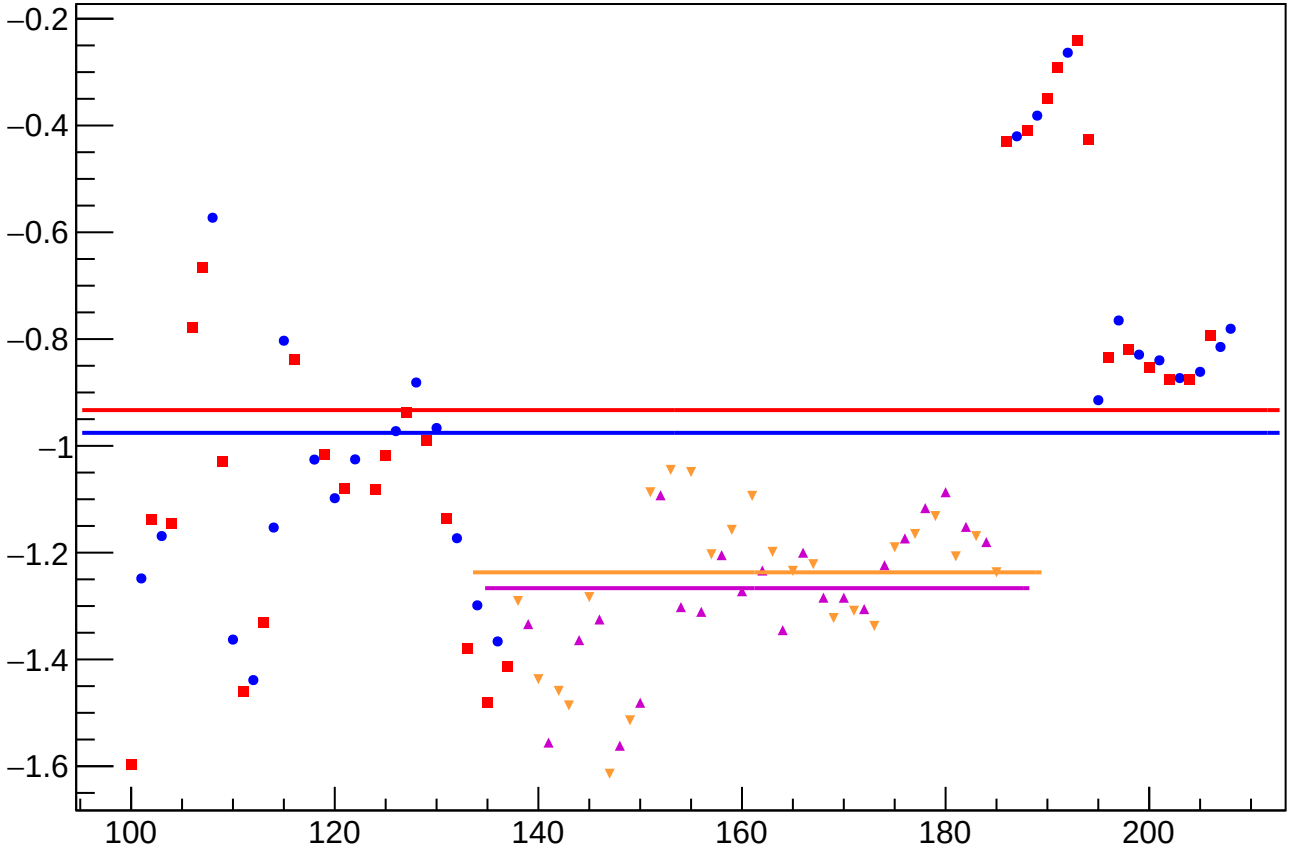
Right: 0.012+/-0.000 χ^2/NDF: 544324.0/57

In: 0.012+/-0.000 χ^2/NDF:672698.0/49

Out: 0.012+/-0.000 χ^2/NDF:618911.2/55

All: 0.012+/-0.000 χ^2/NDF: 1296450.3/105

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.976+/-0.000 χ^2/NDF: 12119060826.4/26

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.933+/-0.000 χ^2/NDF: 16714966452.4/30

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

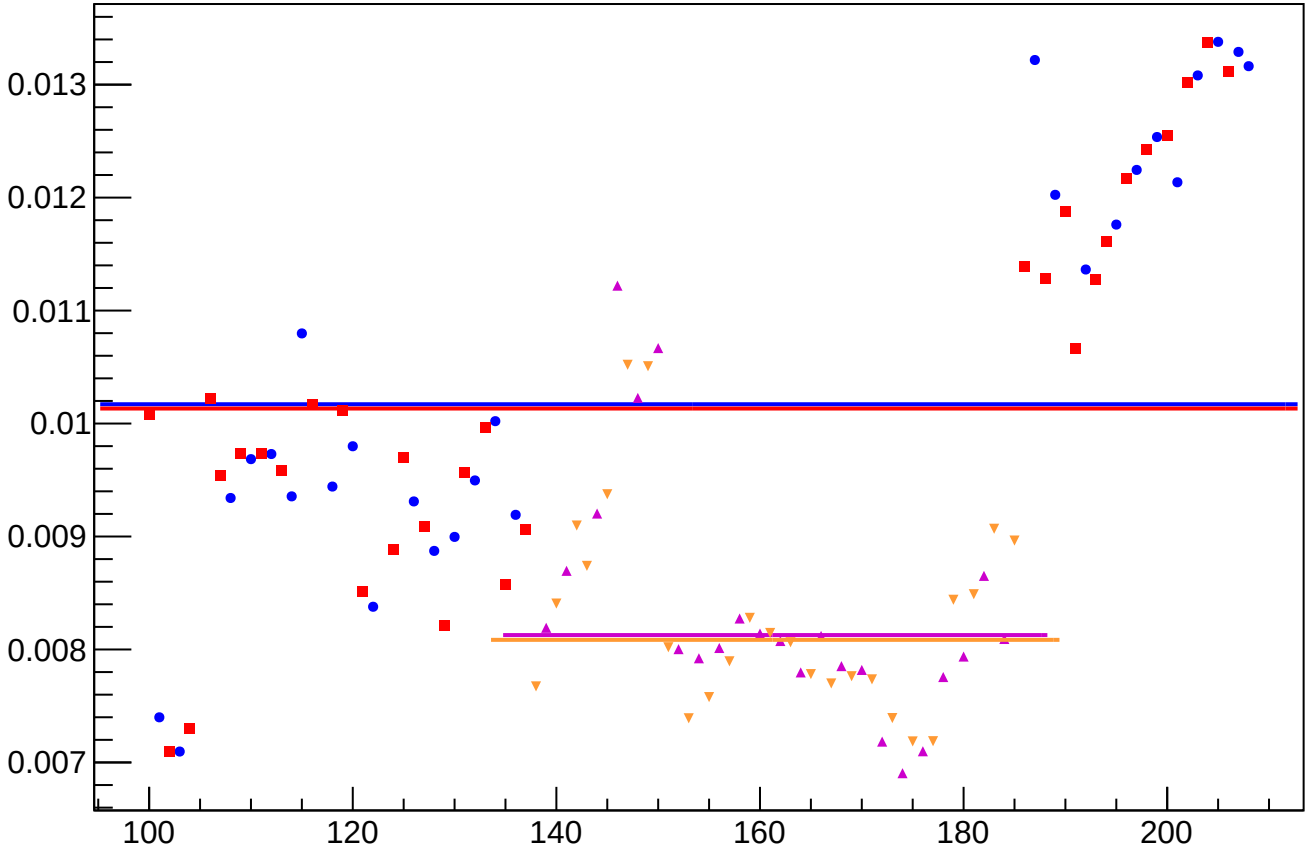
Right: -0.954+/-0.000 χ^2/NDF: 28966067729.4/57

In: -1.163+/-0.000 χ^2/NDF:23580417409.5/49

Out: -1.131+/-0.000 χ^2/NDF:30614717480.1/55

All: -1.146+/-0.000 χ^2/NDF: 54415478606.7/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1124616.9/26

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1056555.5/30

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

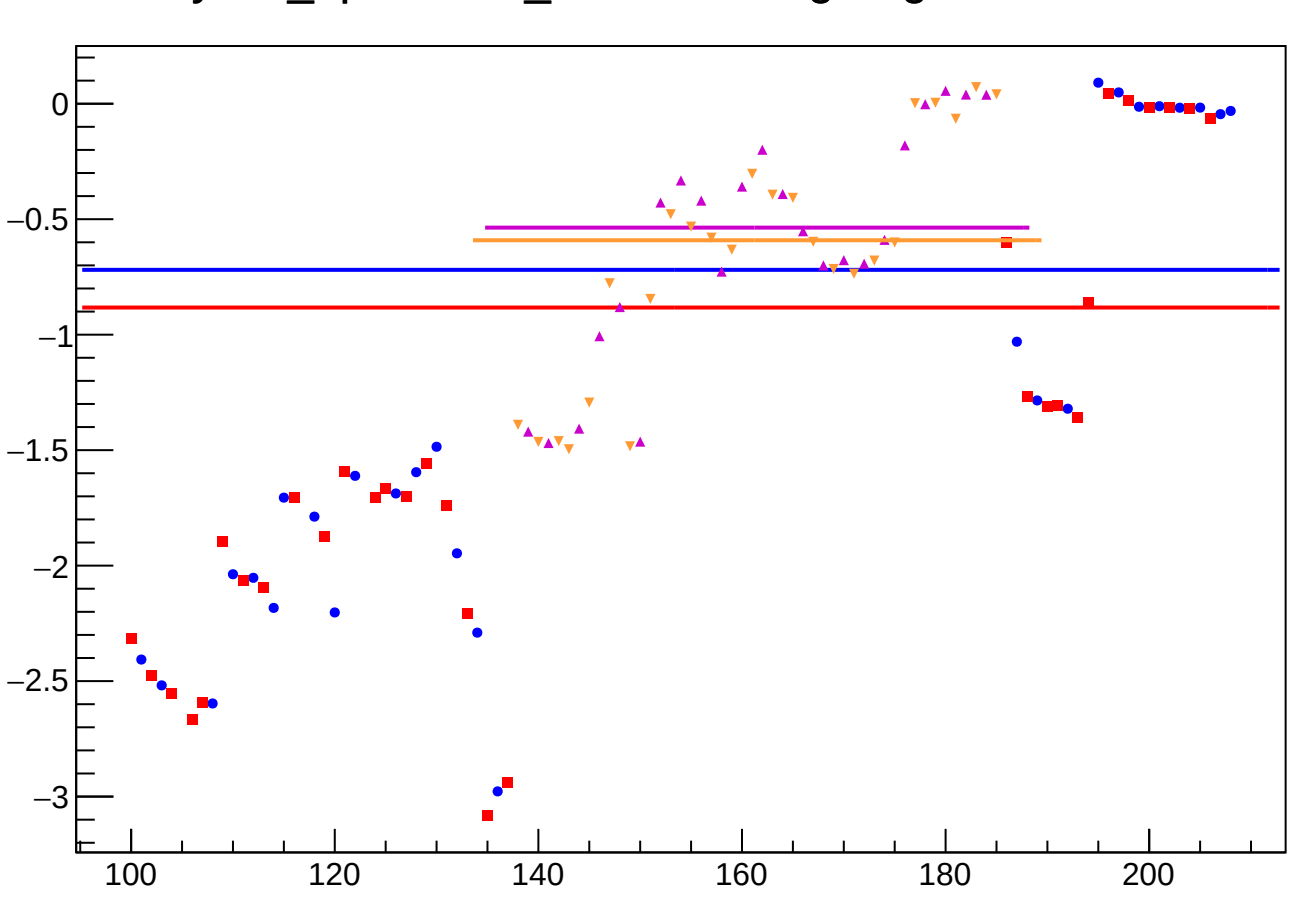
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 2181381.8/57

In: 0.009+/-0.000 χ^2/NDF:2301936.5/49

Out: 0.009+/-0.000 χ^2/NDF:2194276.1/55

All: 0.009+/-0.000 χ^2/NDF: 4497304.2/105



Right In: -0.719+/-0.000 χ^2/NDF: 369333867654.3/26

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.882+/-0.000 χ^2/NDF: 362525090753.0/30

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

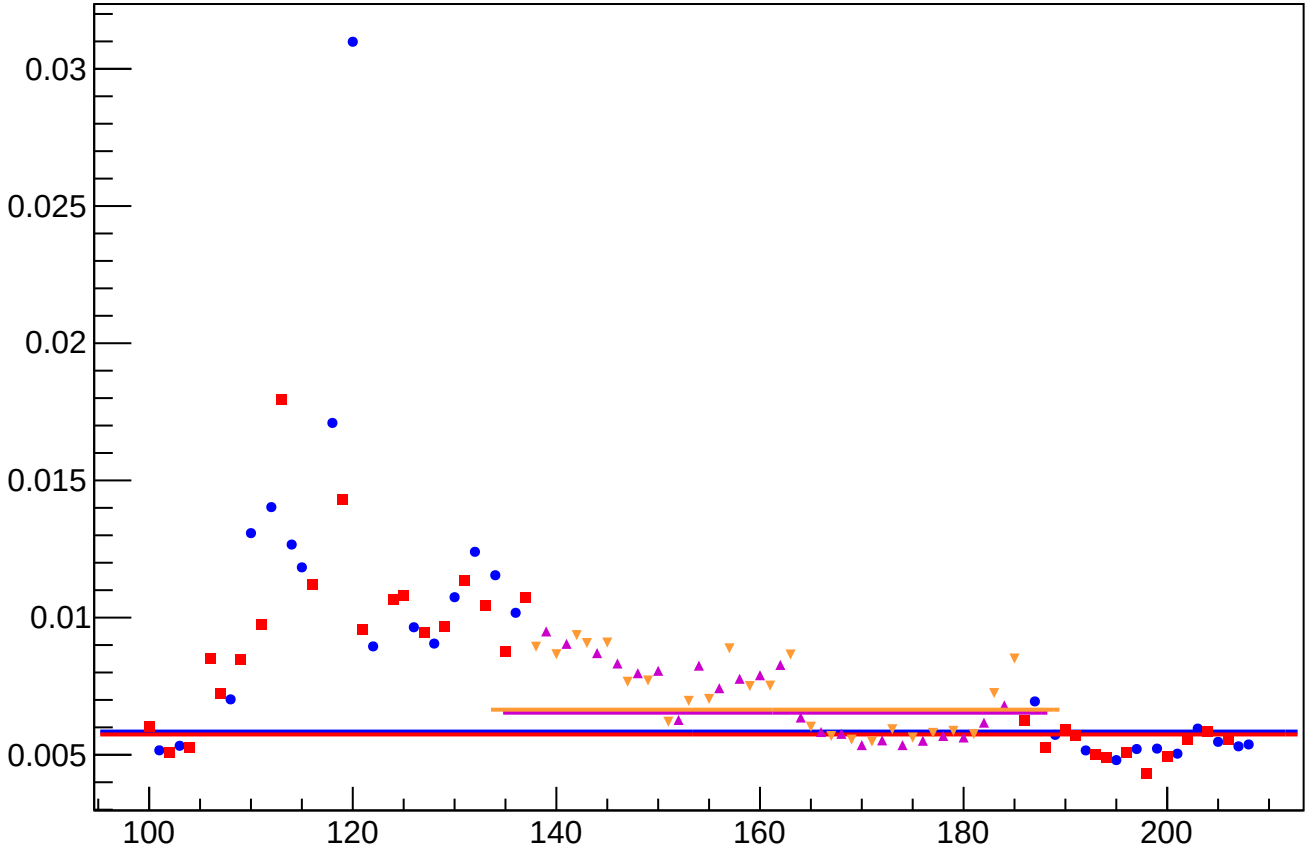
Right: -0.804+/-0.000 χ^2/NDF: 737023283509.8/57

In: -0.628+/-0.000 χ^2/NDF:445704867200.5/49

Out: -0.742+/-0.000 χ^2/NDF:451829021374.6/55

All: -0.686+/-0.000 χ^2/NDF: 902483368954.5

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2506939.2/26

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2349297.5/30

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

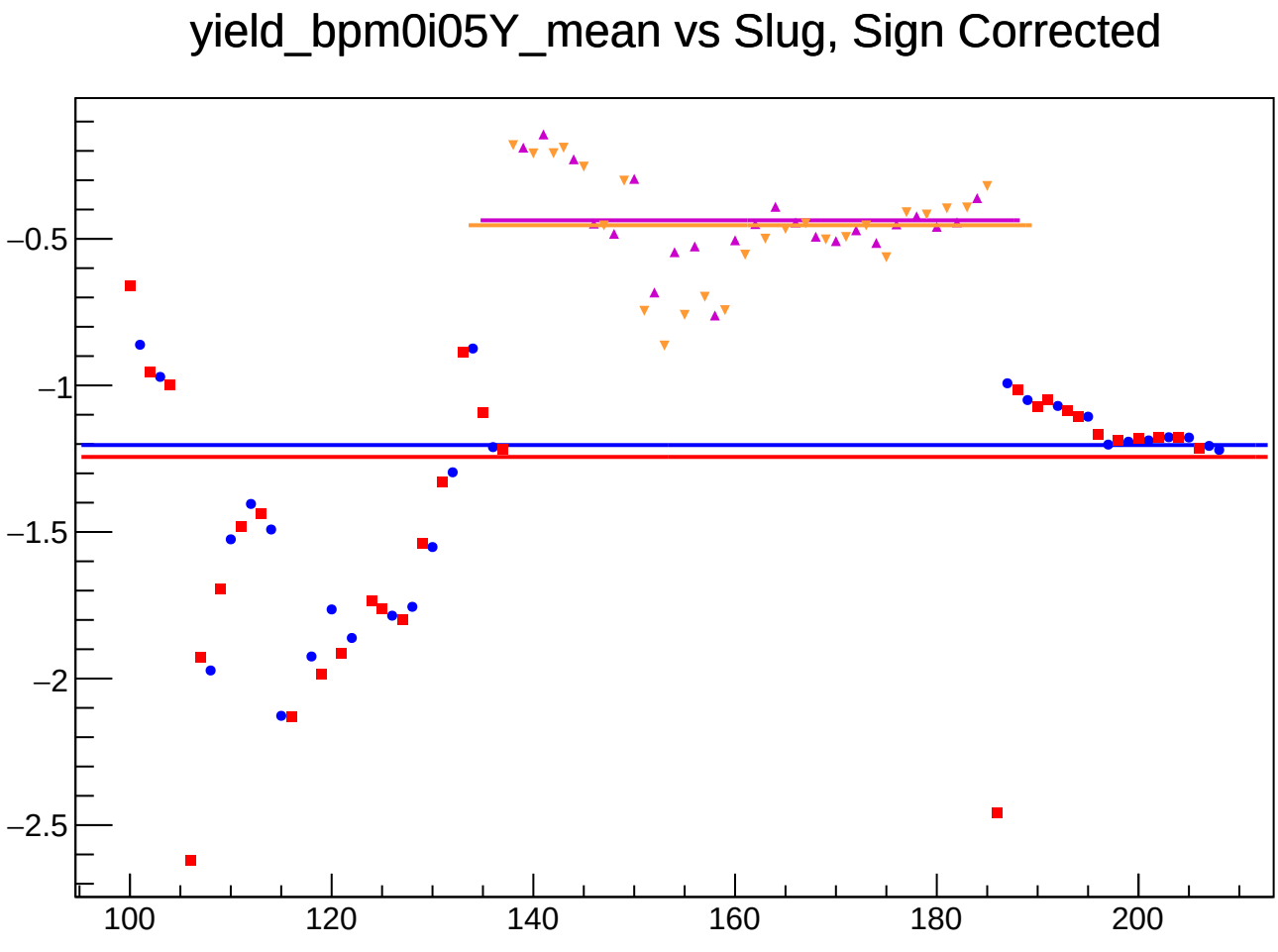
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4860500.0/57

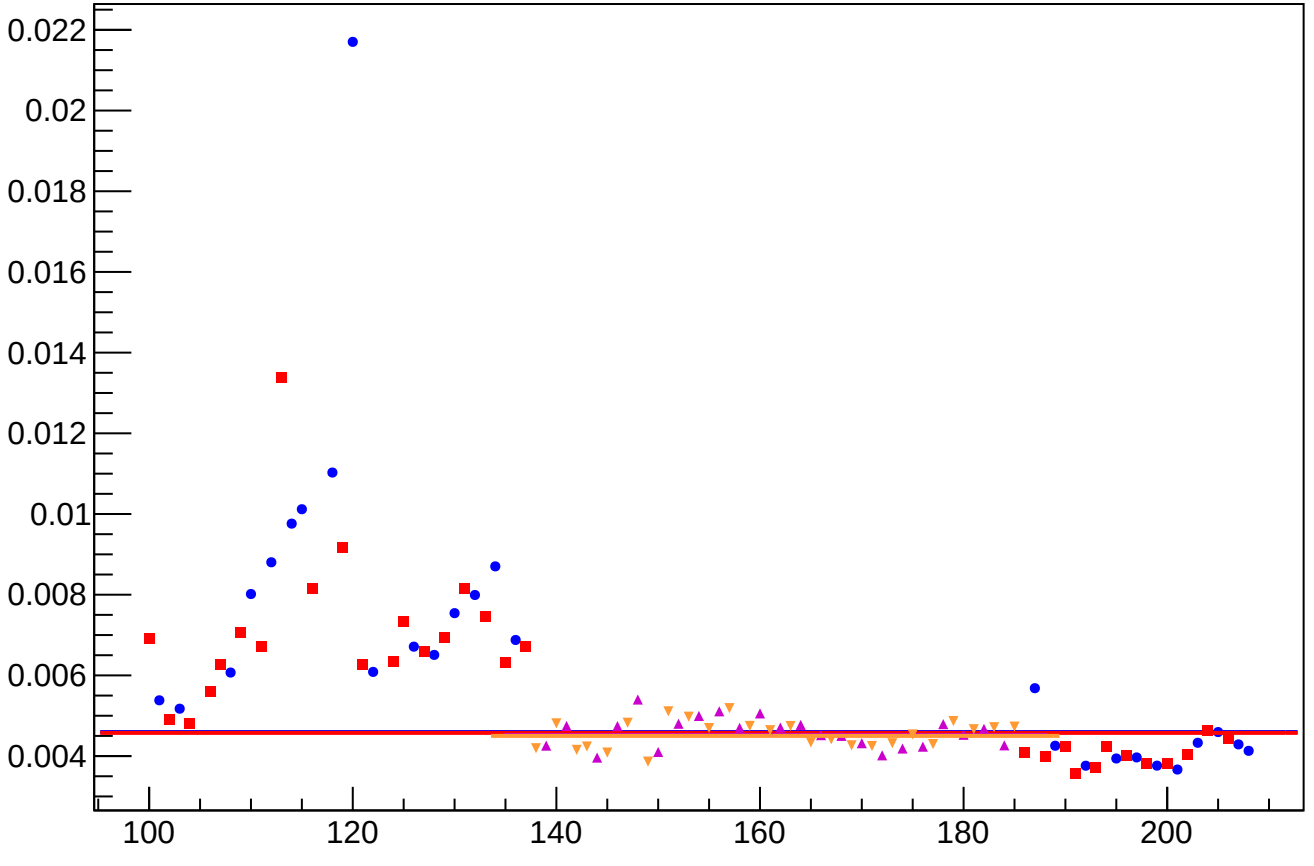
In: 0.006+/-0.000 χ^2/NDF:3833971.7/49

Out: 0.006+/-0.000 χ^2/NDF:3761258.7/55

All: 0.006+/-0.000 χ^2/NDF: 7595349.0/105


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.203+/-0.000 χ²/NDF: 27139641887.4/26
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.244+/-0.000 χ²/NDF: 72207875260.1/30
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.224+/-0.000 χ²/NDF: 99863812861.5/57
In: -0.765+/-0.000 χ²/NDF:248450095531.5/49
Out: -0.792+/-0.000 χ²/NDF:333730481904.7/55
All: -0.779+/-0.000 χ²/NDF: 582721356150.4

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2176783.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1846516.4/30

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

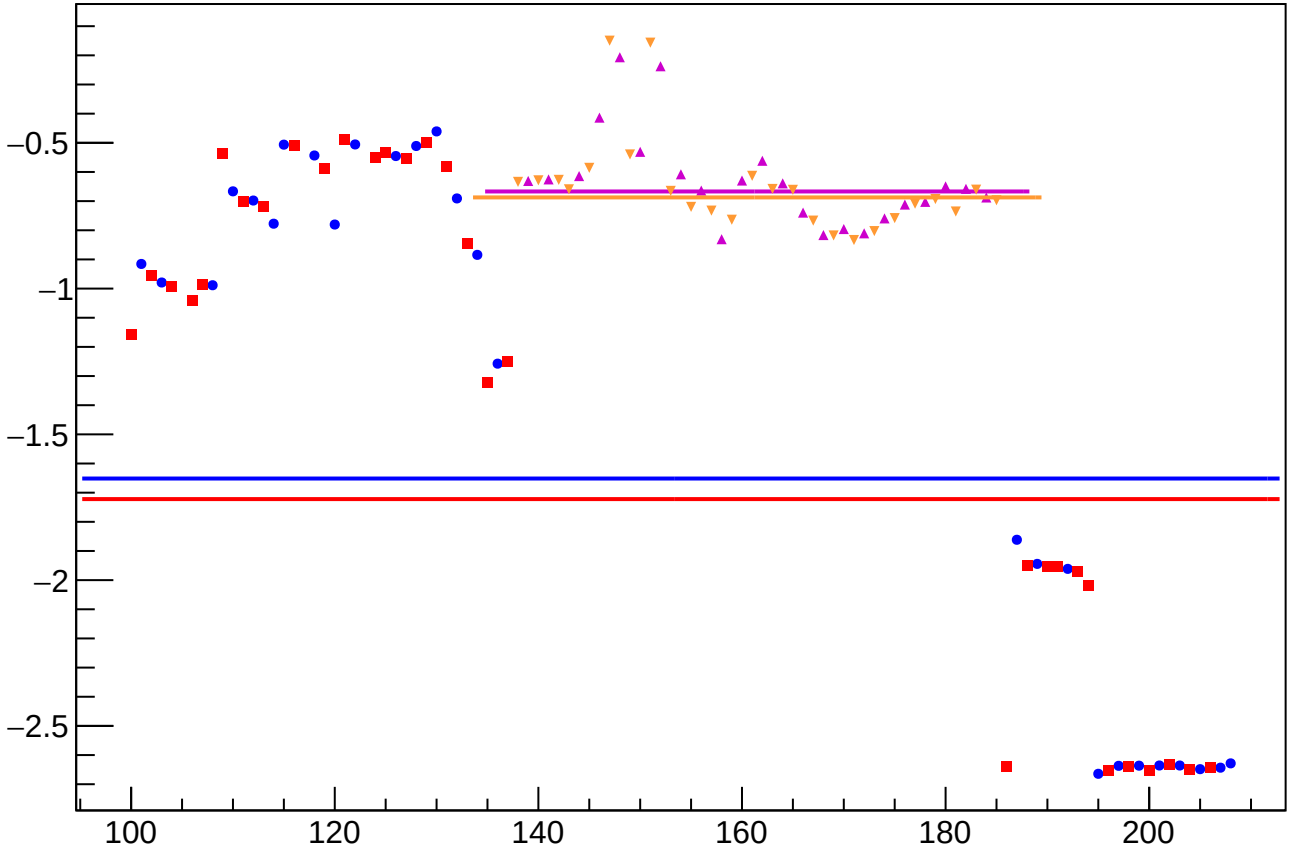
Right: 0.005+/-0.000 χ^2/NDF: 4023567.4/57

In: 0.005+/-0.000 χ^2/NDF:2392797.3/49

Out: 0.005+/-0.000 χ^2/NDF:2039851.3/55

All: 0.005+/-0.000 χ^2/NDF: 4433235.1/105

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.651+/-0.000 χ^2/NDF: 255365371214.3/26

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.722+/-0.000 χ^2/NDF: 298397167355.8/30

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

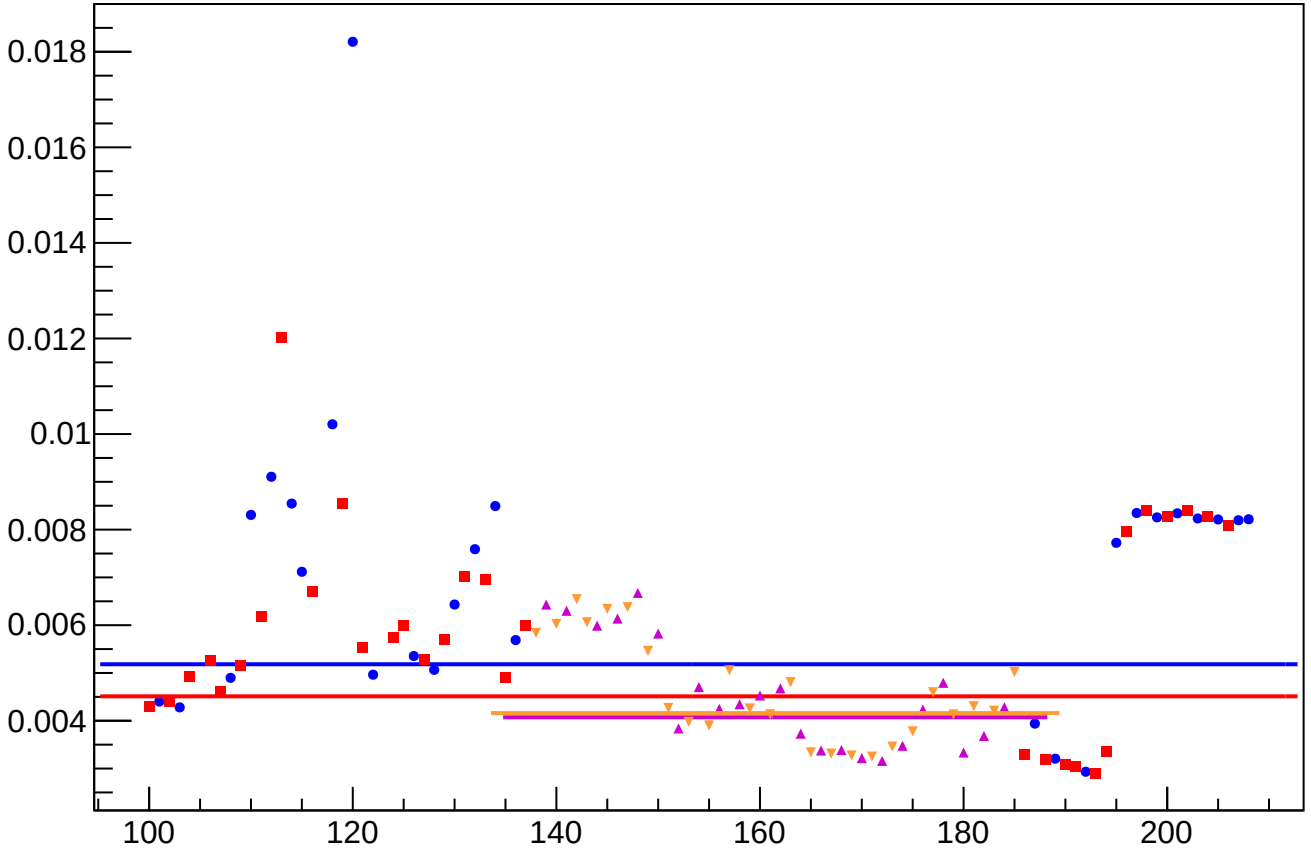
Right: -1.692+/-0.000 χ^2/NDF: 555083946354.6/57

In: -0.987+/-0.000 χ^2/NDF:578075926874.3/49

Out: -1.096+/-0.000 χ^2/NDF:729104736824.3/55

All: -1.045+/-0.000 χ^2/NDF: 1316077891373

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4387663.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4376577.2/30

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

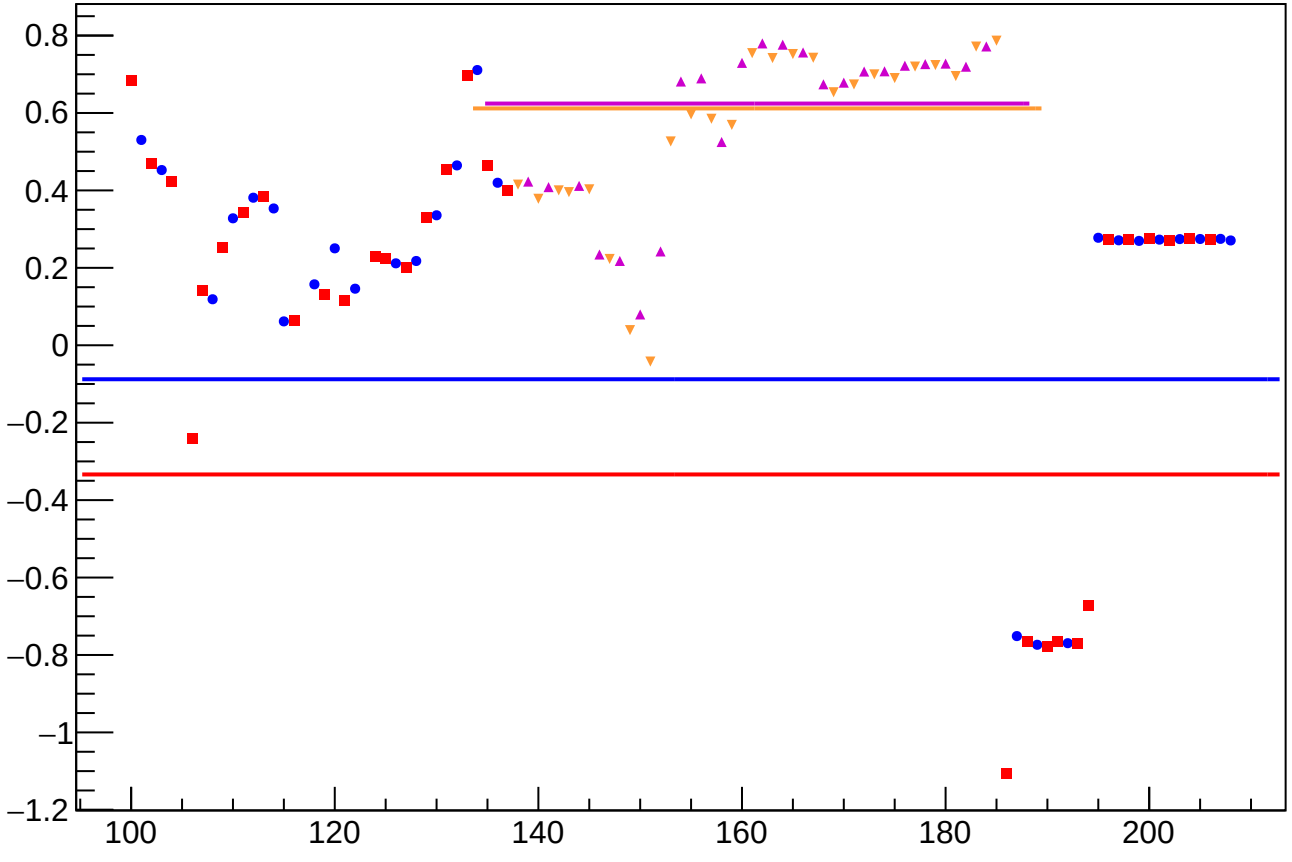
Right: 0.005+/-0.000 χ^2/NDF: 9003712.5/57

In: 0.004+/-0.000 χ^2/NDF:6900668.7/49

Out: 0.004+/-0.000 χ^2/NDF:5990355.4/55

All: 0.004+/-0.000 χ^2/NDF: 12918195.9/105

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.000 χ^2/NDF: 313109089464.7/26

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.334+/-0.000 χ^2/NDF: 488138852760.6/30

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

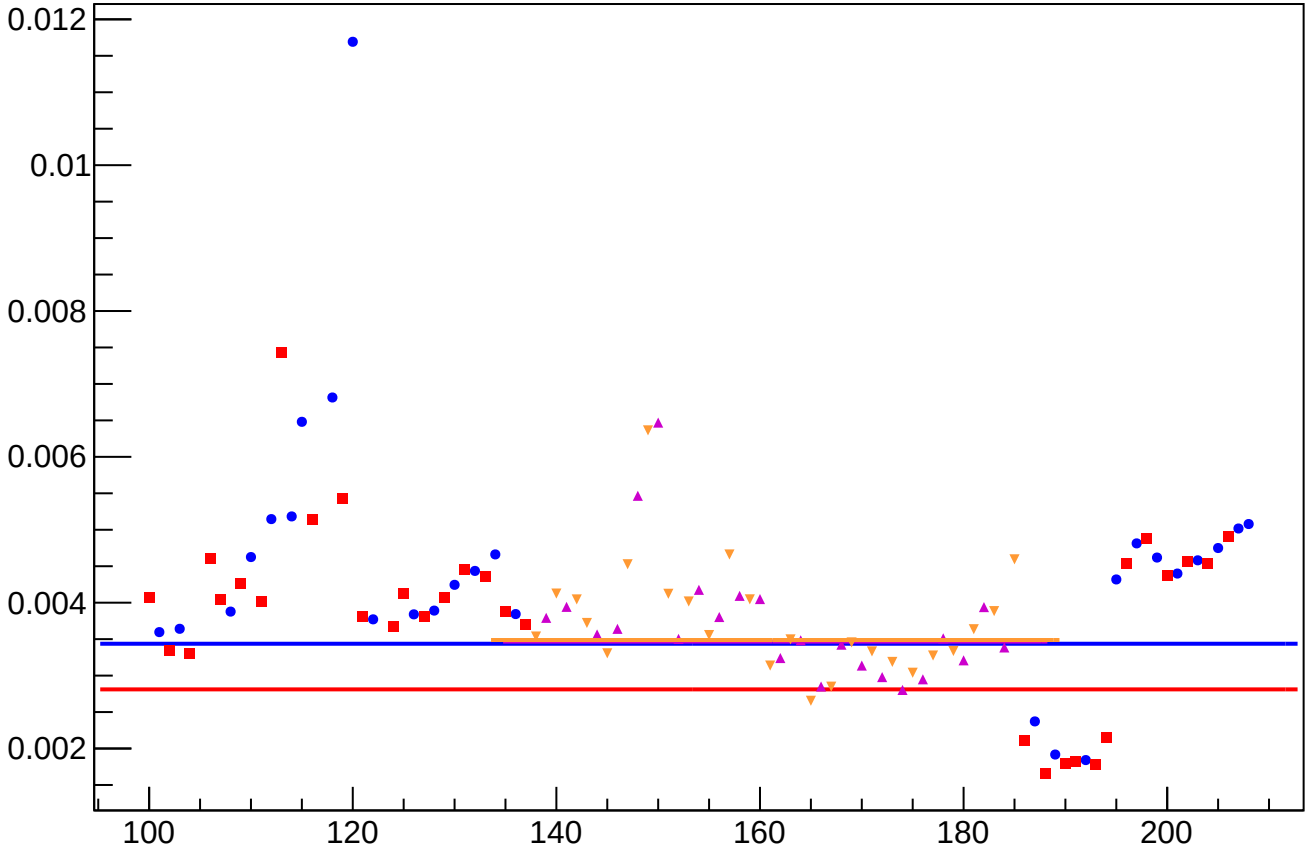
Right: -0.234+/-0.000 χ^2/NDF: 840404084444.0/57

In: 0.295+/-0.000 χ^2/NDF:650220427810.4/49

Out: 0.093+/-0.000 χ^2/NDF:1180273584553.5/55

All: 0.184+/-0.000 χ^2/NDF: 1883700258227.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3748715.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4900448.6/30

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

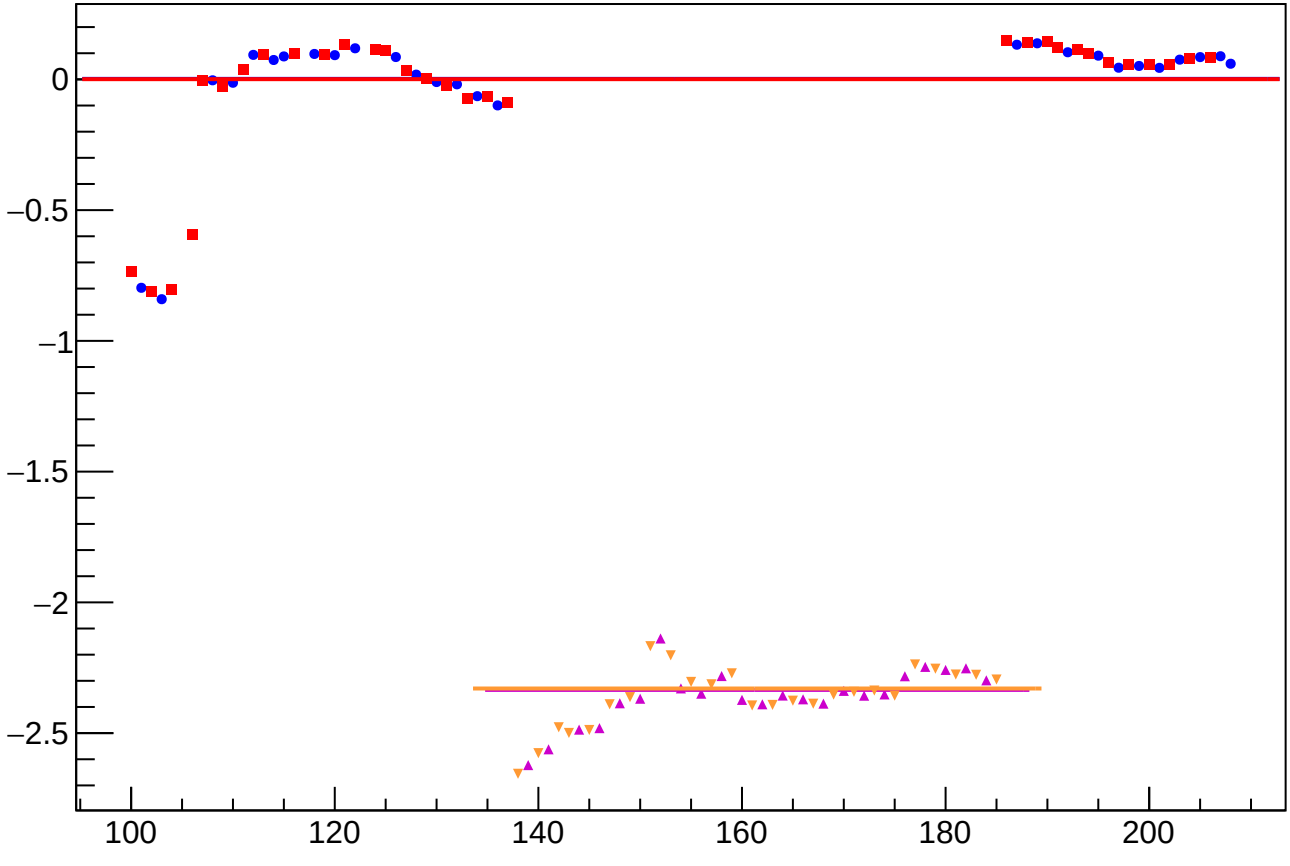
Right: 0.003+/-0.000 χ^2/NDF: 9156468.3/57

In: 0.003+/-0.000 χ^2/NDF:4643891.7/49

Out: 0.003+/-0.000 χ^2/NDF:6414064.0/55

All: 0.003+/-0.000 χ^2/NDF: 11352578.2/105

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6547293841.9/26

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7797409054.9/30

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

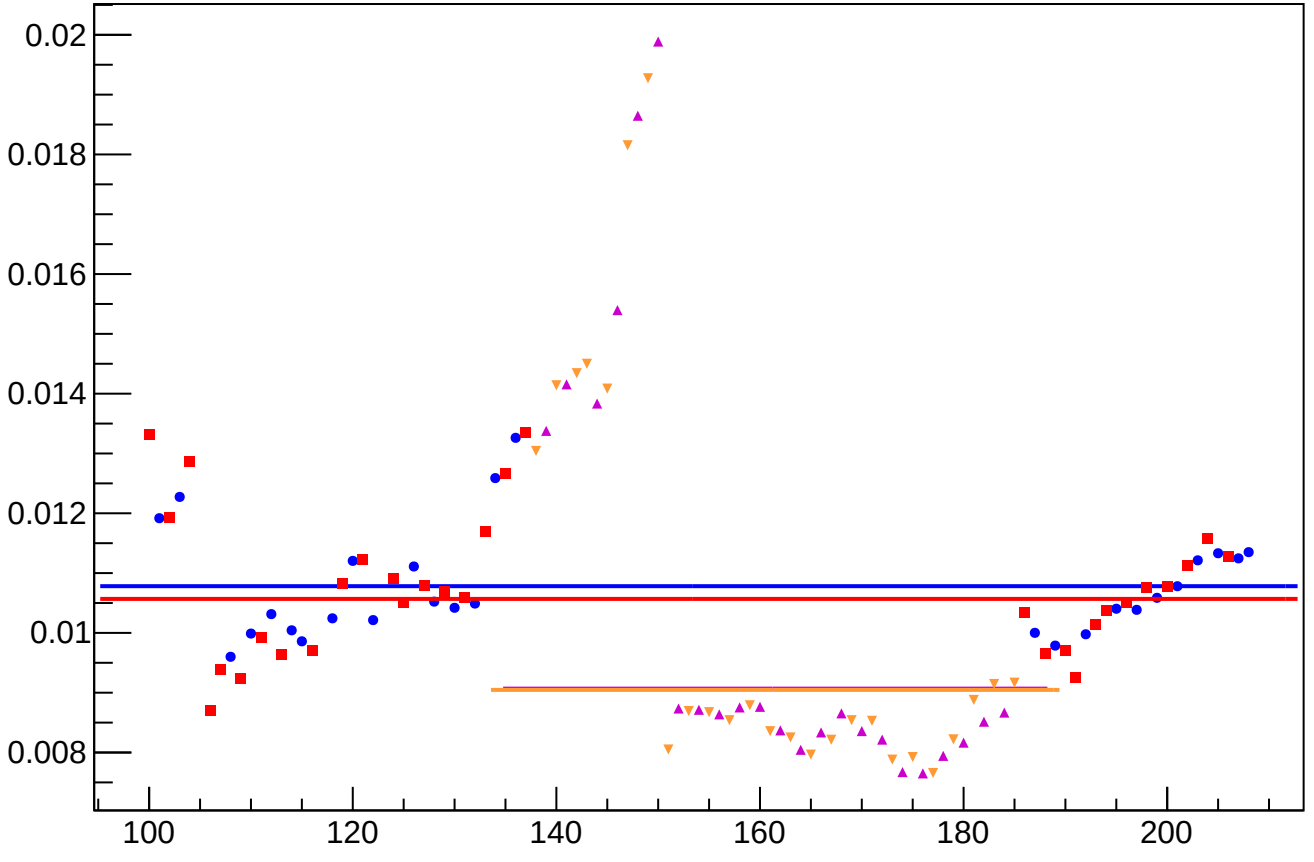
Right: 0.001+/-0.000 χ^2/NDF: 14344783850.7/57

In: -1.419+/-0.000 χ^2/NDF:454807532425.7/49

Out: -1.408+/-0.000 χ^2/NDF:487063606584.6/55

All: -1.413+/-0.000 χ^2/NDF: 941893197101.9

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 184031.0/26

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 254194.2/30

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

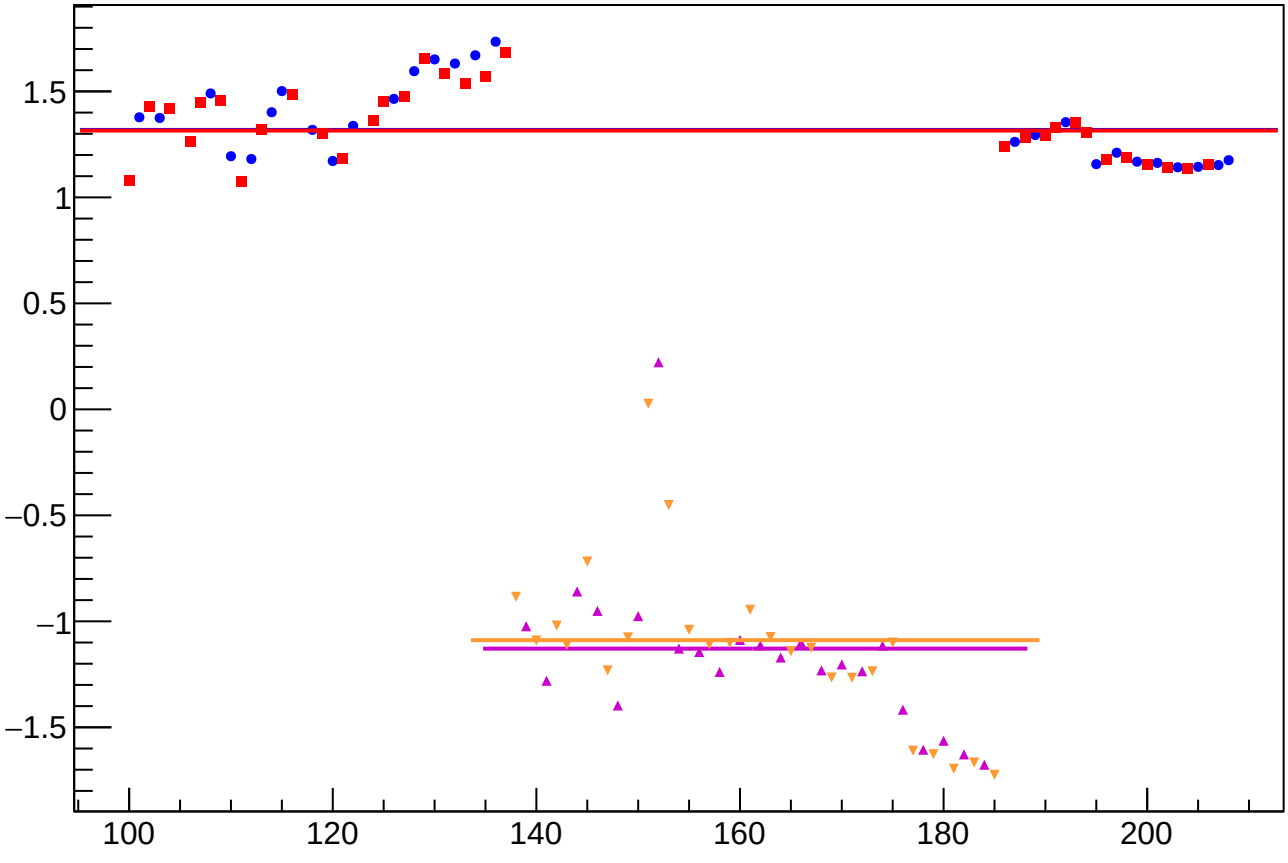
Right: 0.011+/-0.000 χ^2/NDF: 444553.4/57

In: 0.010+/-0.000 χ^2/NDF:2798326.4/49

Out: 0.010+/-0.000 χ^2/NDF:2709850.4/55

All: 0.010+/-0.000 χ^2/NDF: 5511104.1/105

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.318+/-0.000 χ^2/NDF: 8397171100.4/26

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.315+/-0.000 χ^2/NDF: 6313435710.5/30

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

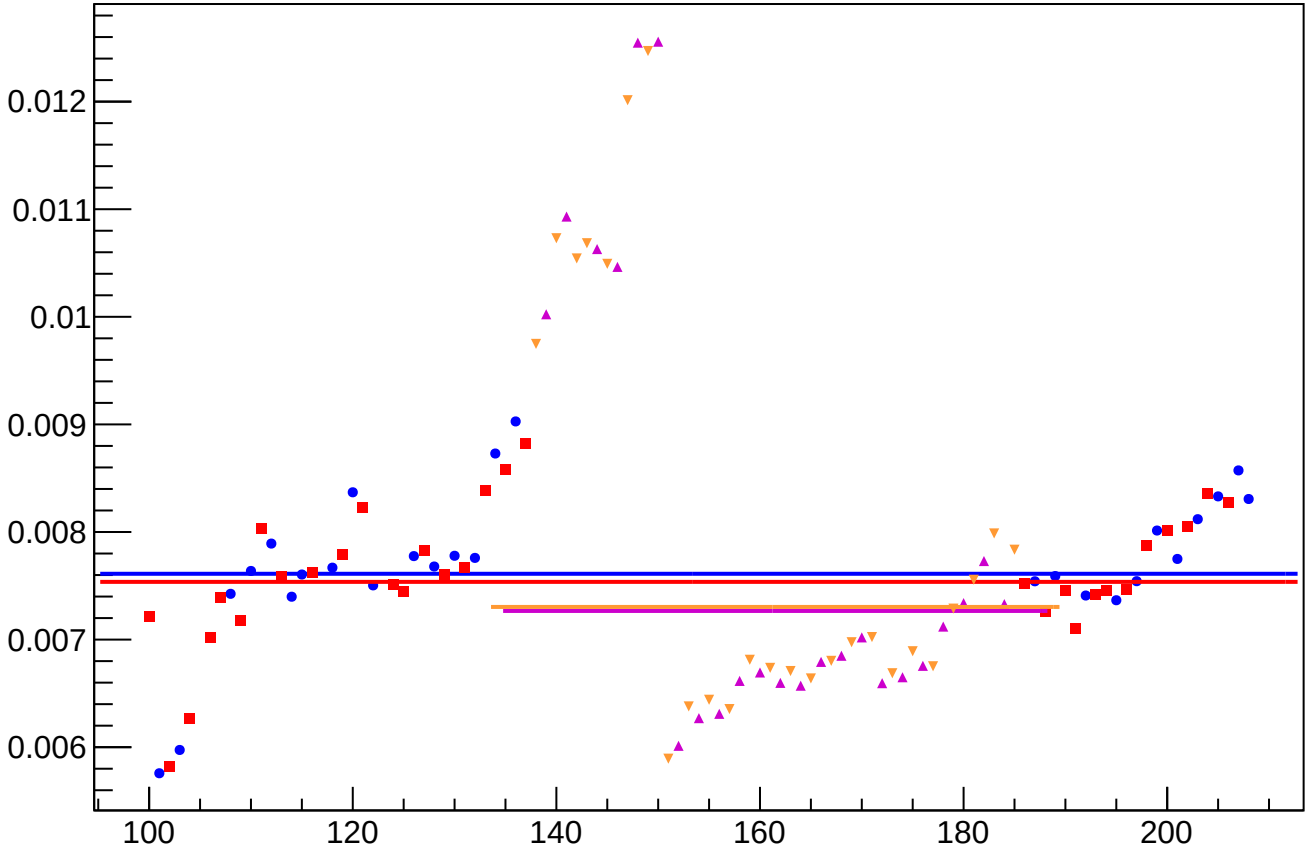
Right: 1.317+/-0.000 χ^2/NDF: 14711786876.2/57

In: -0.033+/-0.000 χ^2/NDF:954668151977.3/49

Out: -0.001+/-0.000 χ^2/NDF:972987914778.9/55

All: -0.017+/-0.000 χ^2/NDF: 1927956291127

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 351083.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 260743.8/30

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

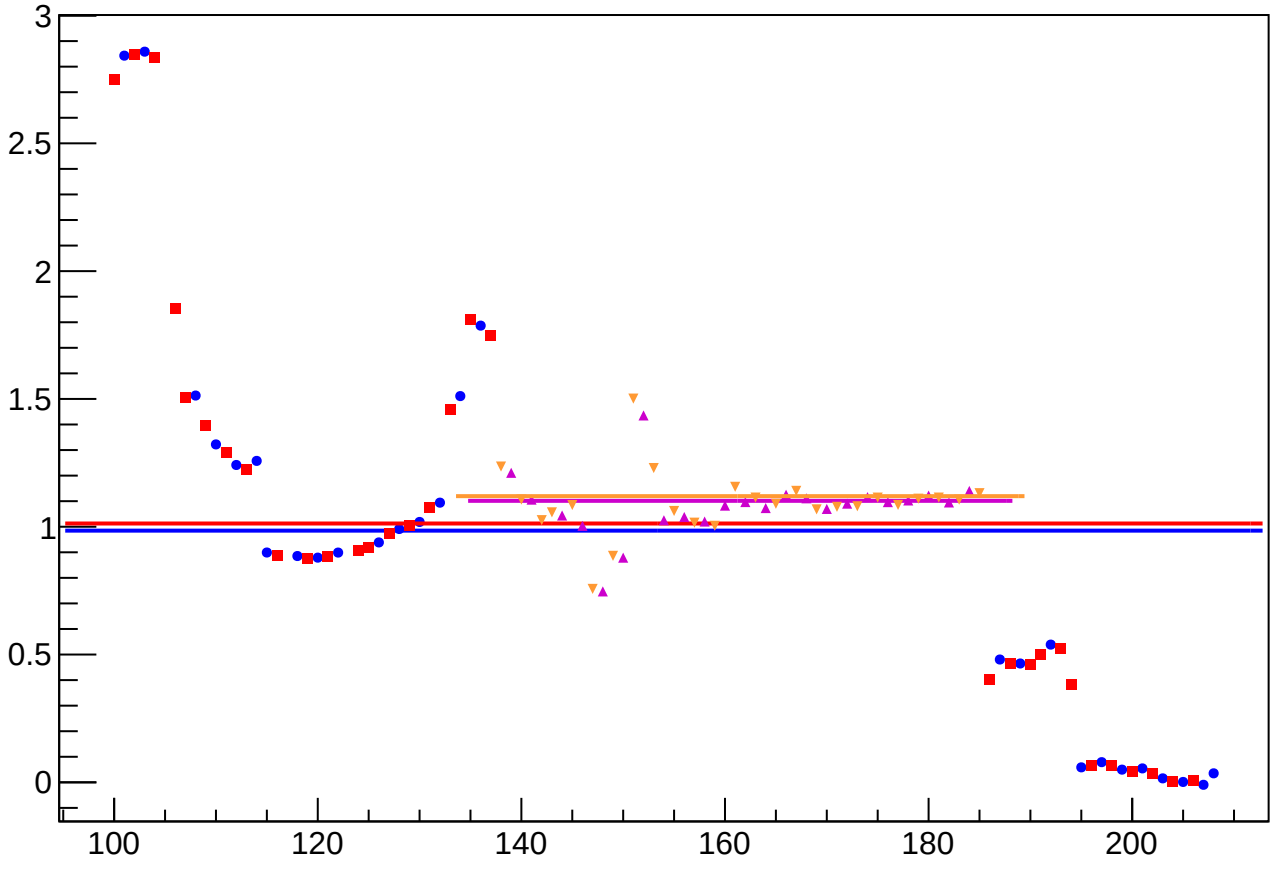
Right: 0.008+/-0.000 χ^2/NDF: 613393.3/57

In: 0.007+/-0.000 χ^2/NDF:1946541.1/49

Out: 0.007+/-0.000 χ^2/NDF:1781850.9/55

All: 0.007+/-0.000 χ^2/NDF: 3728482.1/105

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.985+/-0.000 χ^2/NDF: 138620319799.5/26

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.013+/-0.000 χ^2/NDF: 130642982854.0/30

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

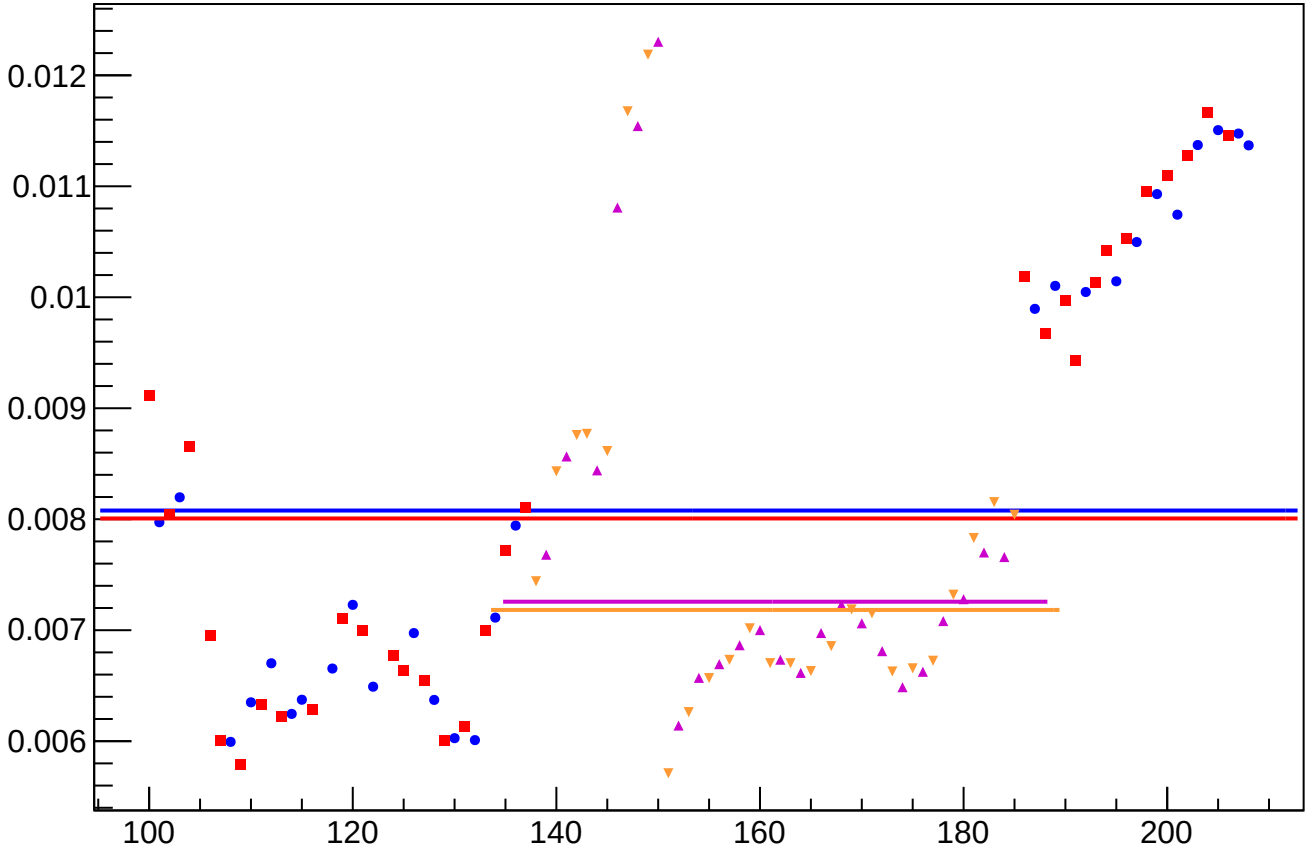
Right: 0.999+/-0.000 χ^2/NDF: 269354459726.6/57

In: 1.054+/-0.000 χ^2/NDF:144658803187.5/49

Out: 1.077+/-0.000 χ^2/NDF:137805771465.2/55

All: 1.066+/-0.000 χ^2/NDF: 282612731274.1

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1779131.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1871893.8/30

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

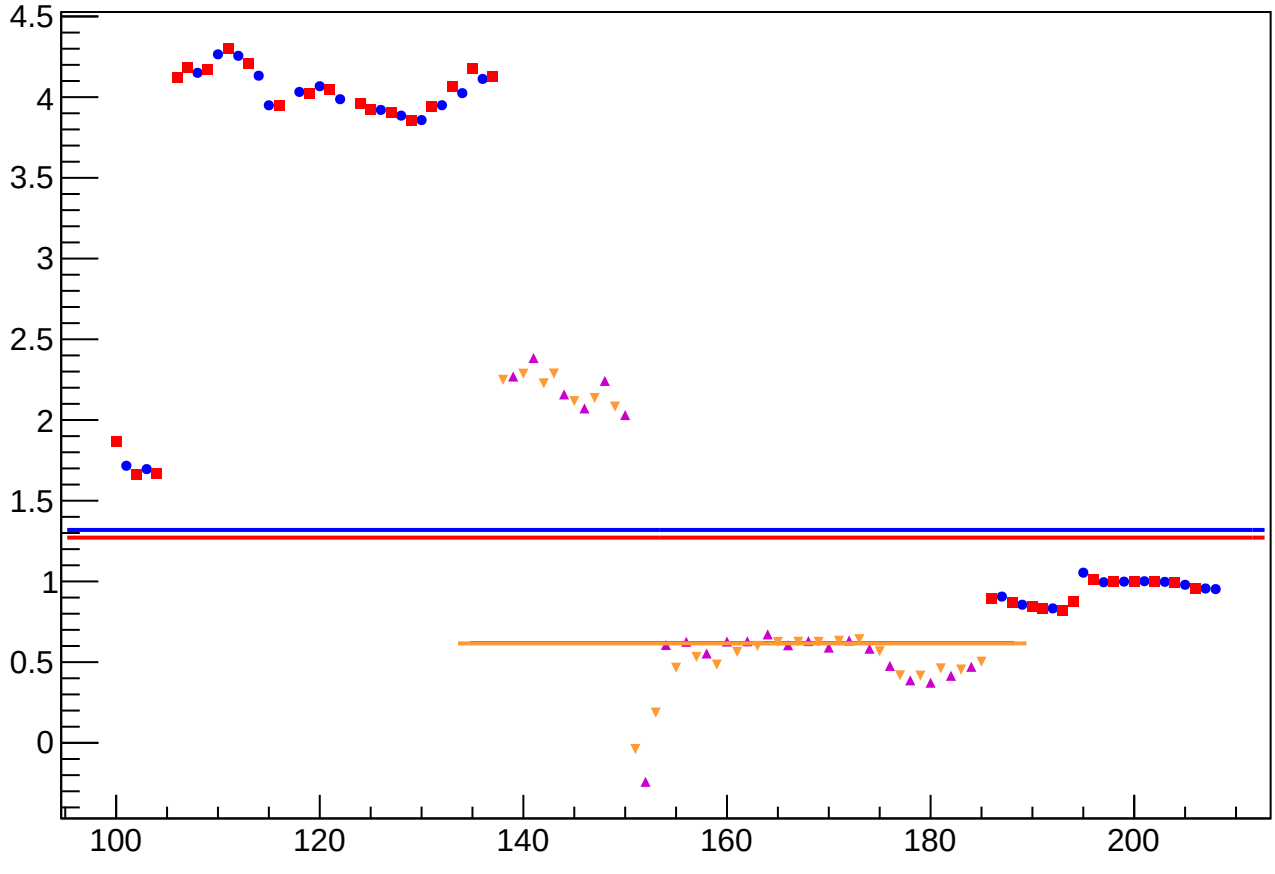
Right: 0.008+/-0.000 χ^2/NDF: 3652222.2/57

In: 0.008+/-0.000 χ^2/NDF:2878224.2/49

Out: 0.008+/-0.000 χ^2/NDF:2961280.8/55

All: 0.008+/-0.000 χ^2/NDF: 5842875.1/105

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.319+/-0.000 χ^2/NDF: 1587423913028.2/26

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.271+/-0.000 χ^2/NDF: 1755616410419.6/30

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

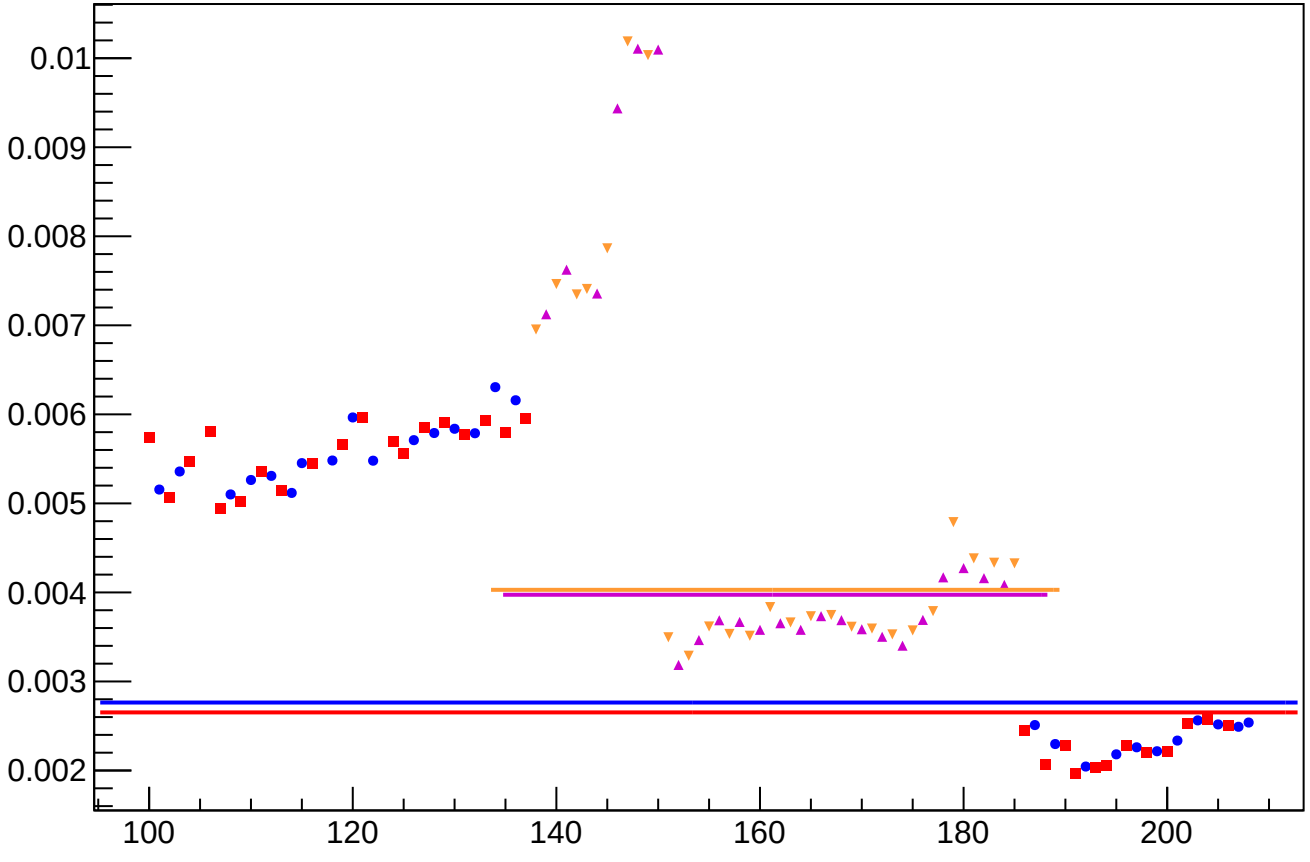
Right: 1.294+/-0.000 χ^2/NDF: 3345067004330.3/57

In: 1.055+/-0.000 χ^2/NDF:2155653437465.9/49

Out: 1.037+/-0.000 χ^2/NDF:2299005025820.7/55

All: 1.045+/-0.000 χ^2/NDF: 4455092710127.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4367214.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4678236.8/30

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

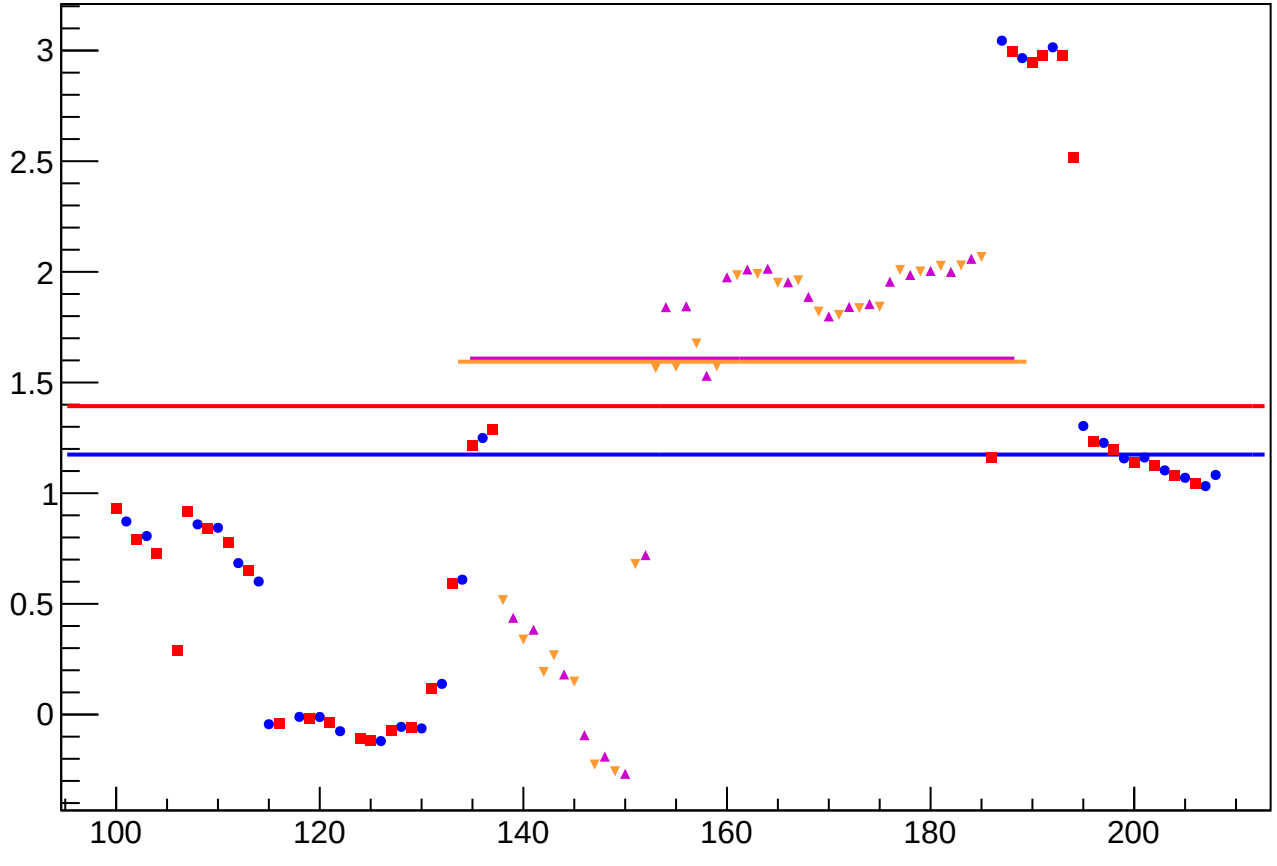
Right: 0.003+/-0.000 χ^2/NDF: 9067496.7/57

In: 0.003+/-0.000 χ^2/NDF:9363341.4/49

Out: 0.003+/-0.000 χ^2/NDF:10216189.5/55

All: 0.003+/-0.000 χ^2/NDF: 19595646.7/105

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.174+/-0.000 χ^2/NDF: 77753893123.6/26

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.393+/-0.000 χ^2/NDF: 105628416409.1/30

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

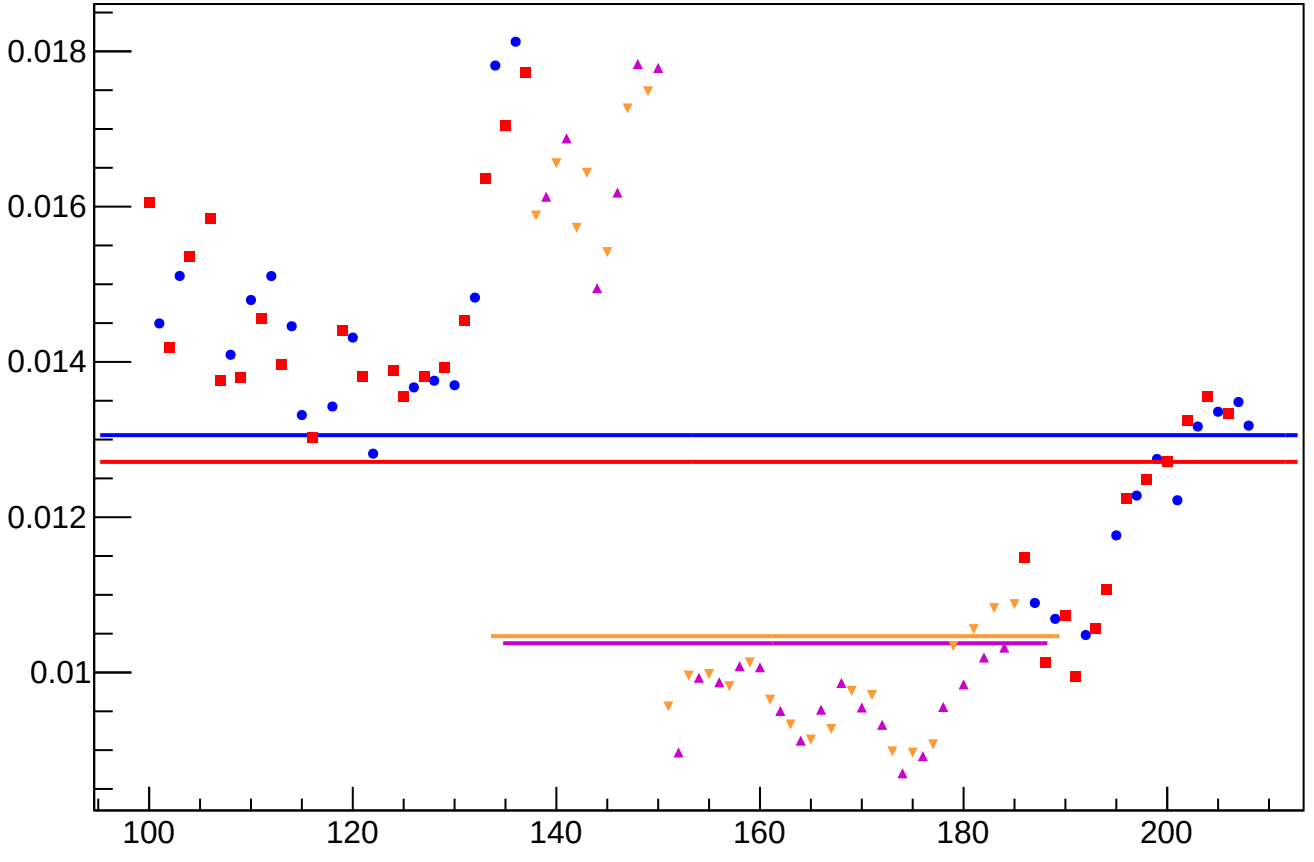
Right: 1.288+/-0.000 χ^2/NDF: 185633791091.6/57

In: 1.452+/-0.000 χ^2/NDF:155021945391.8/49

Out: 1.520+/-0.000 χ^2/NDF:170756625225.0/55

All: 1.487+/-0.000 χ^2/NDF: 326370234385.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 505157.5/26

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 605632.4/30

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

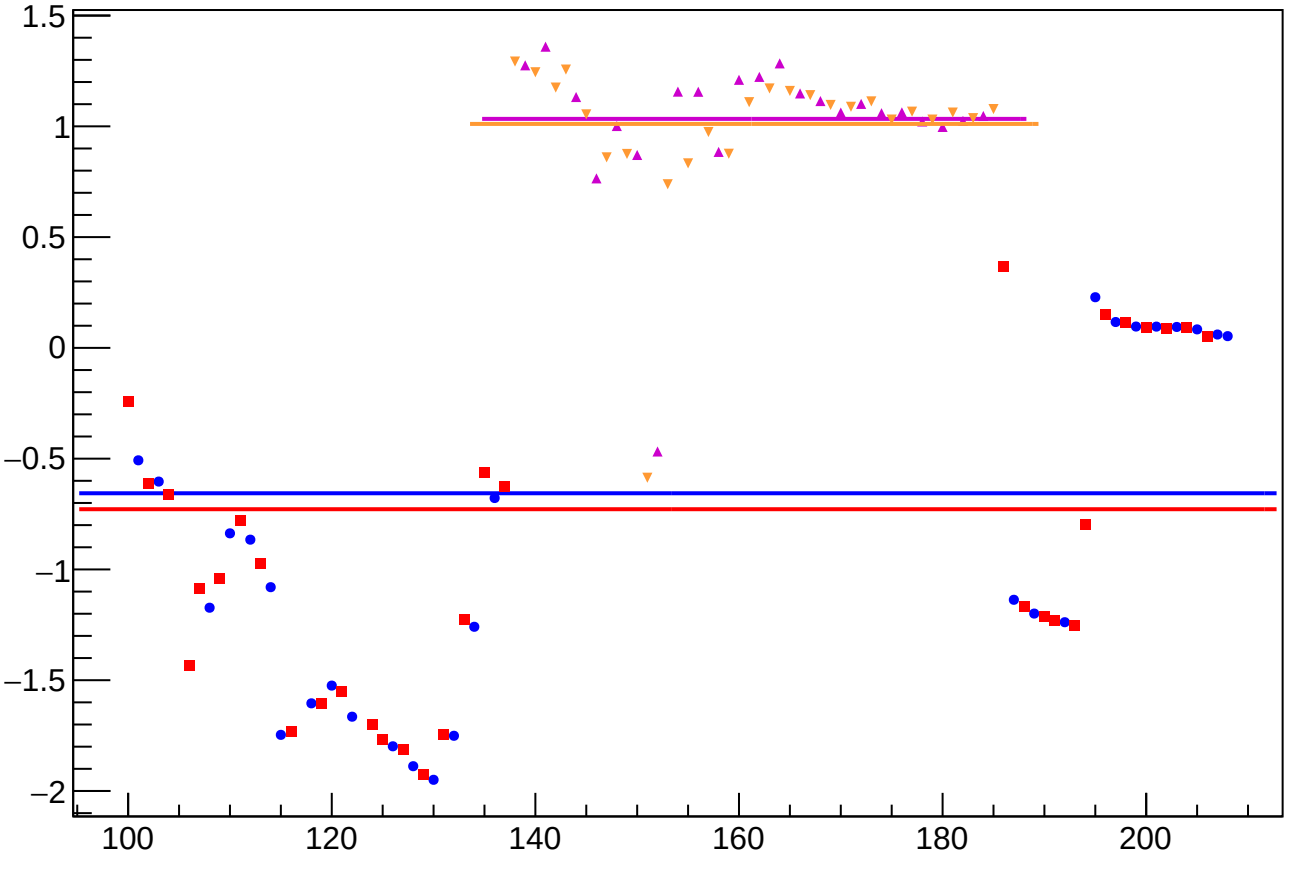
Right: 0.013+/-0.000 χ^2/NDF: 1121920.1/57

In: 0.011+/-0.000 χ^2/NDF:3045693.2/49

Out: 0.011+/-0.000 χ^2/NDF:2889926.9/55

All: 0.011+/-0.000 χ^2/NDF: 5936073.8/105

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.656+/-0.000 χ^2/NDF: 189736034070.4/26

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.728+/-0.000 χ^2/NDF: 169163024599.5/30

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

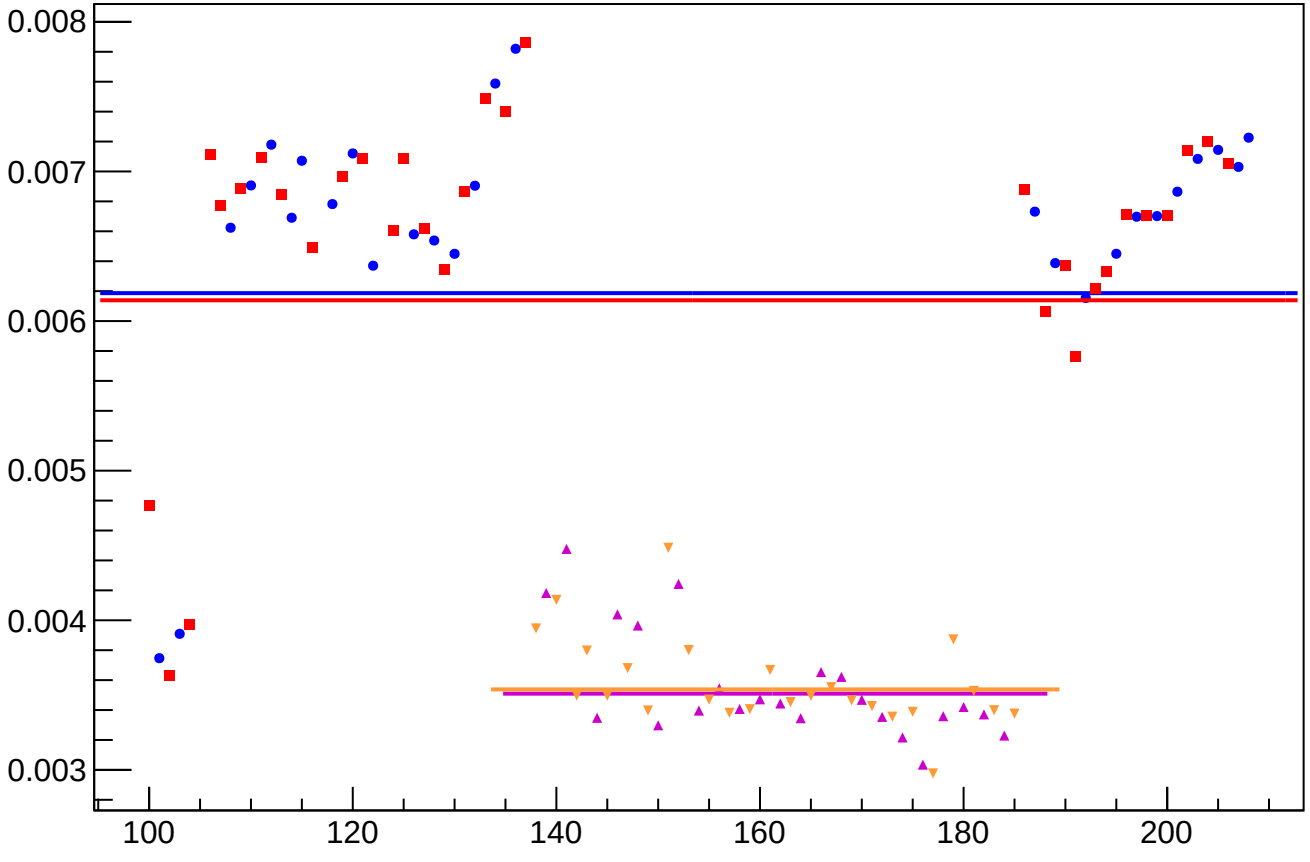
Right: -0.693+/-0.000 χ^2/NDF: 359903758438.8/57

In: 0.663+/-0.000 χ^2/NDF:1158066963474.3/49

Out: 0.627+/-0.000 χ^2/NDF:1217385486230.1/55

All: 0.645+/-0.000 χ^2/NDF: 2376559915326.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1204423.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1216398.6/30

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

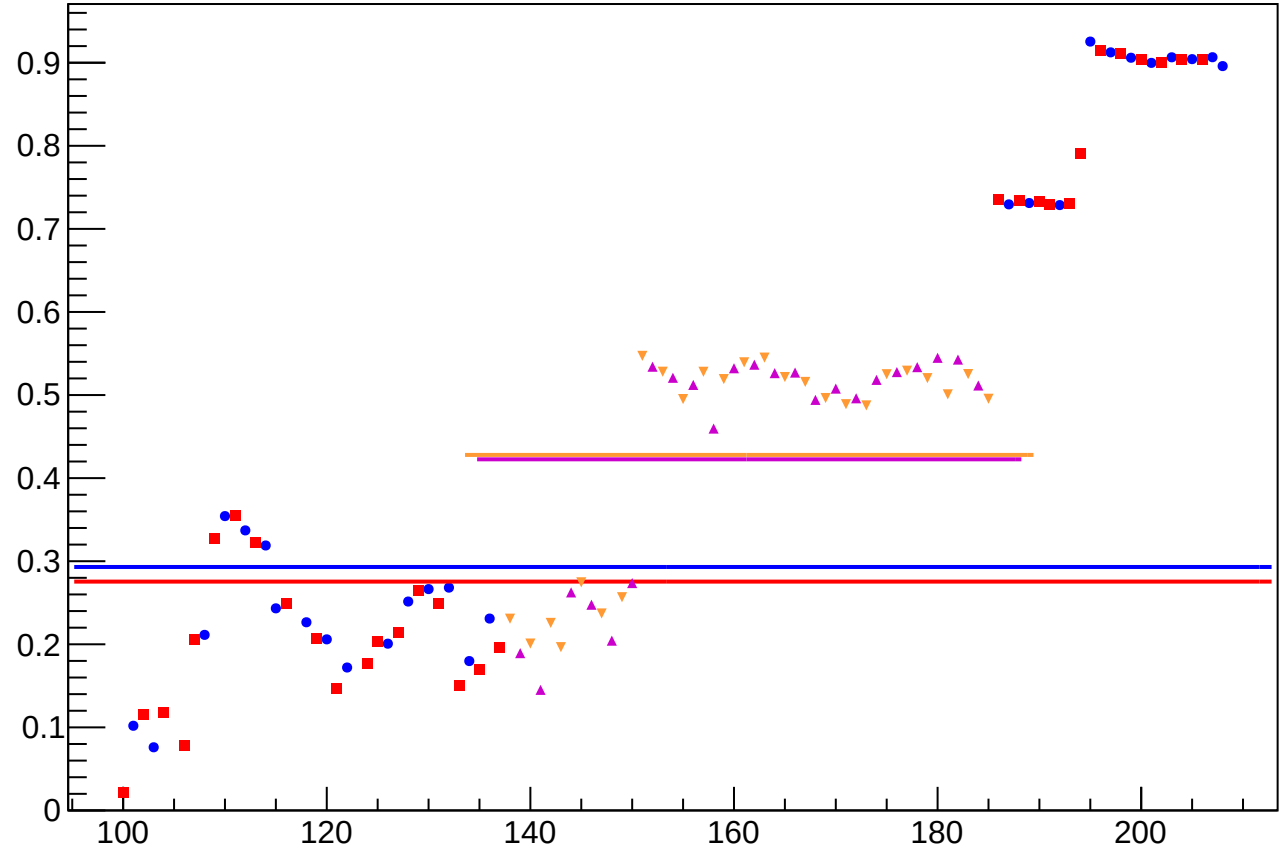
Right: 0.006+/-0.000 χ^2/NDF: 2421706.0/57

In: 0.004+/-0.000 χ^2/NDF:5720935.6/49

Out: 0.004+/-0.000 χ^2/NDF:5624566.9/55

All: 0.004+/-0.000 χ^2/NDF: 11345871.0/105

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.293+/-0.000 χ^2/NDF: 186392456415.9/26

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.275+/-0.000 χ^2/NDF: 194653985214.7/30

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

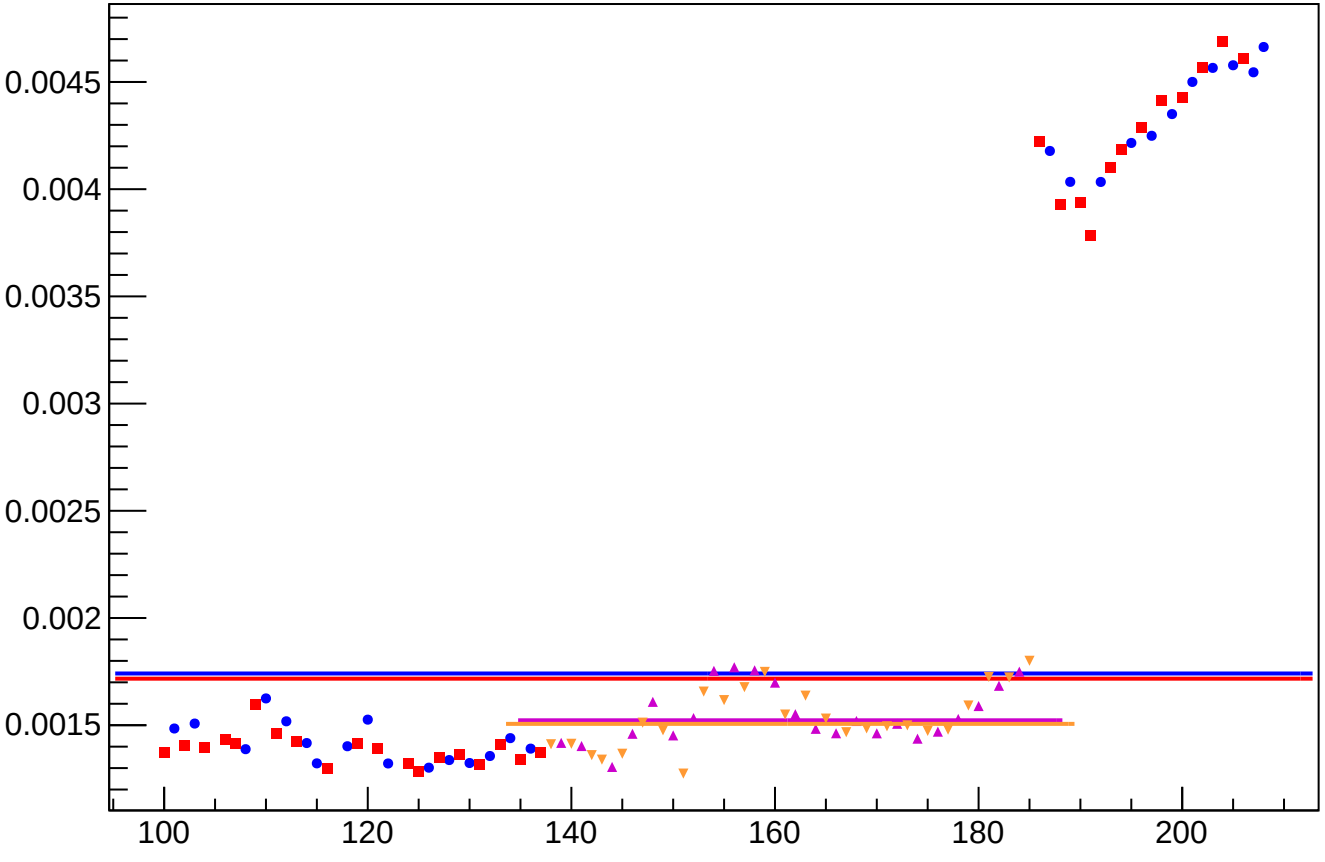
Right: 0.284+/-0.000 χ^2/NDF: 381684091177.9/57

In: 0.379+/-0.000 χ^2/NDF:388503719297.9/49

Out: 0.376+/-0.000 χ^2/NDF:414359526365.1/55

All: 0.378+/-0.000 χ^2/NDF: 802896919797.2

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7026986.4/26

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7295767.8/30

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

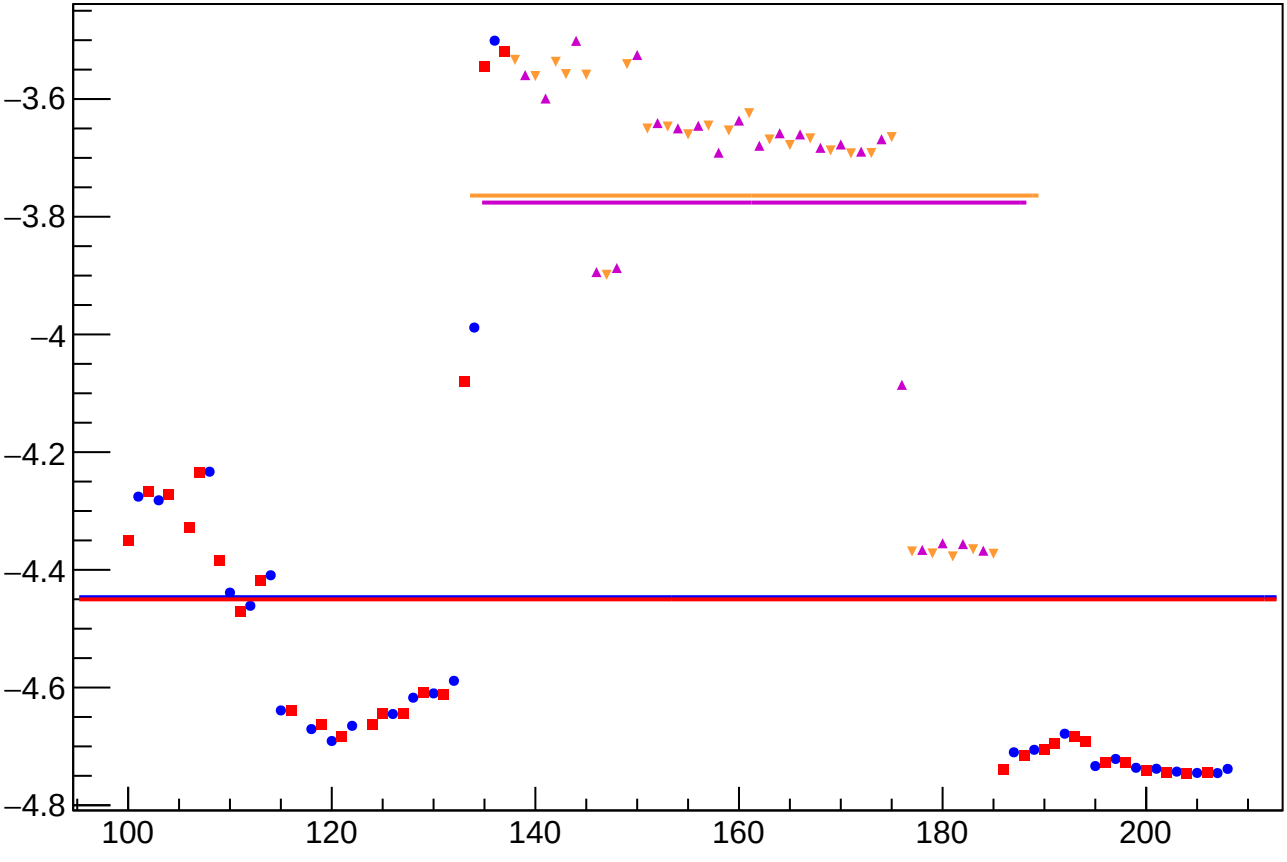
Right: 0.002+/-0.000 χ^2/NDF: 14325149.0/57

In: 0.002+/-0.000 χ^2/NDF:7511390.3/49

Out: 0.002+/-0.000 χ^2/NDF:7826581.8/55

All: 0.002+/-0.000 χ^2/NDF: 15342516.4/105

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.446+/-0.000 χ^2/NDF: 429022006145.7/26

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.450+/-0.000 χ^2/NDF: 374303617358.3/30

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

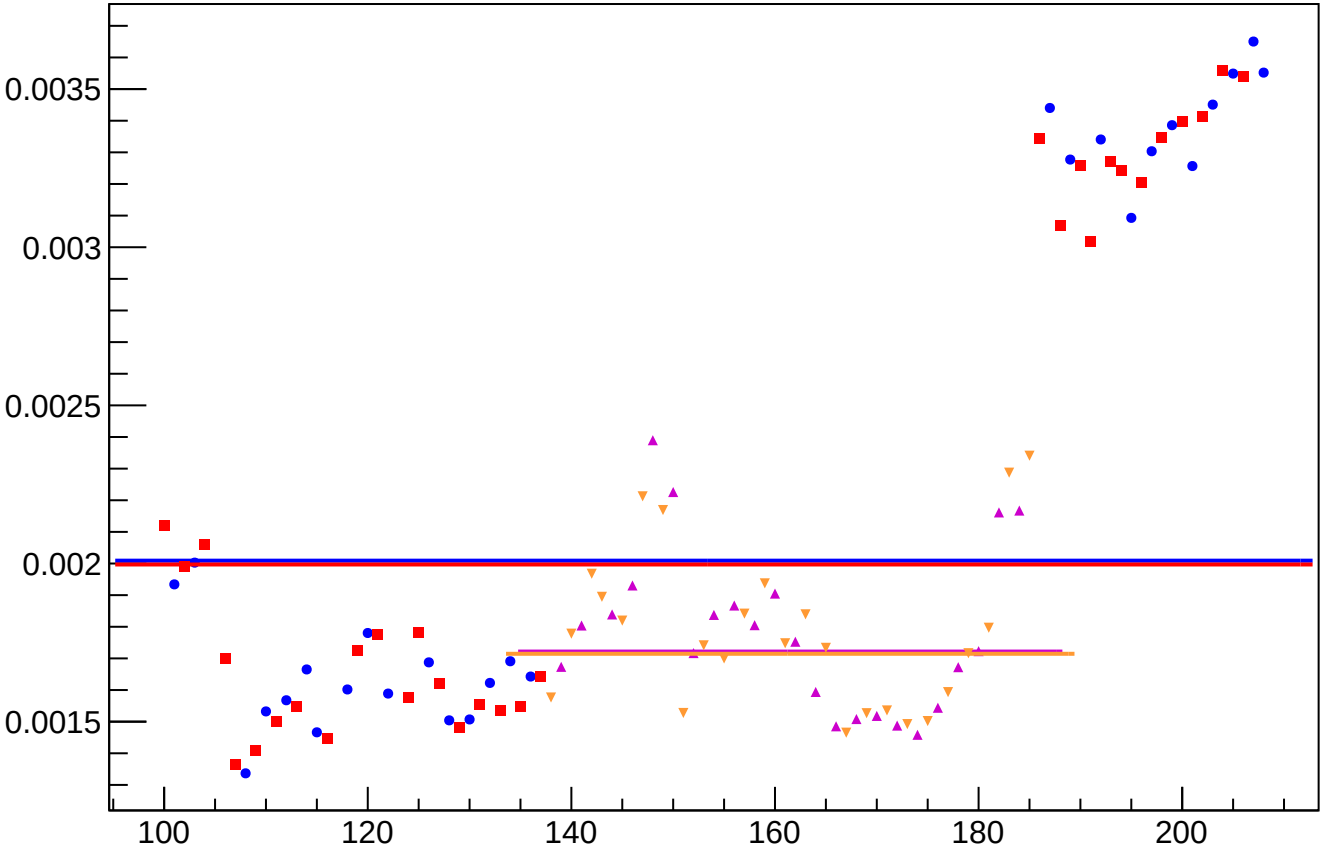
Right: -4.448+/-0.000 χ^2/NDF: 803348950450.6/57

In: -4.019+/-0.000 χ^2/NDF:1796275902057.3/49

Out: -4.011+/-0.000 χ^2/NDF:1928261043670.2/55

All: -4.015+/-0.000 χ^2/NDF: 3724790462789

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3755908.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3852153.9/30

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

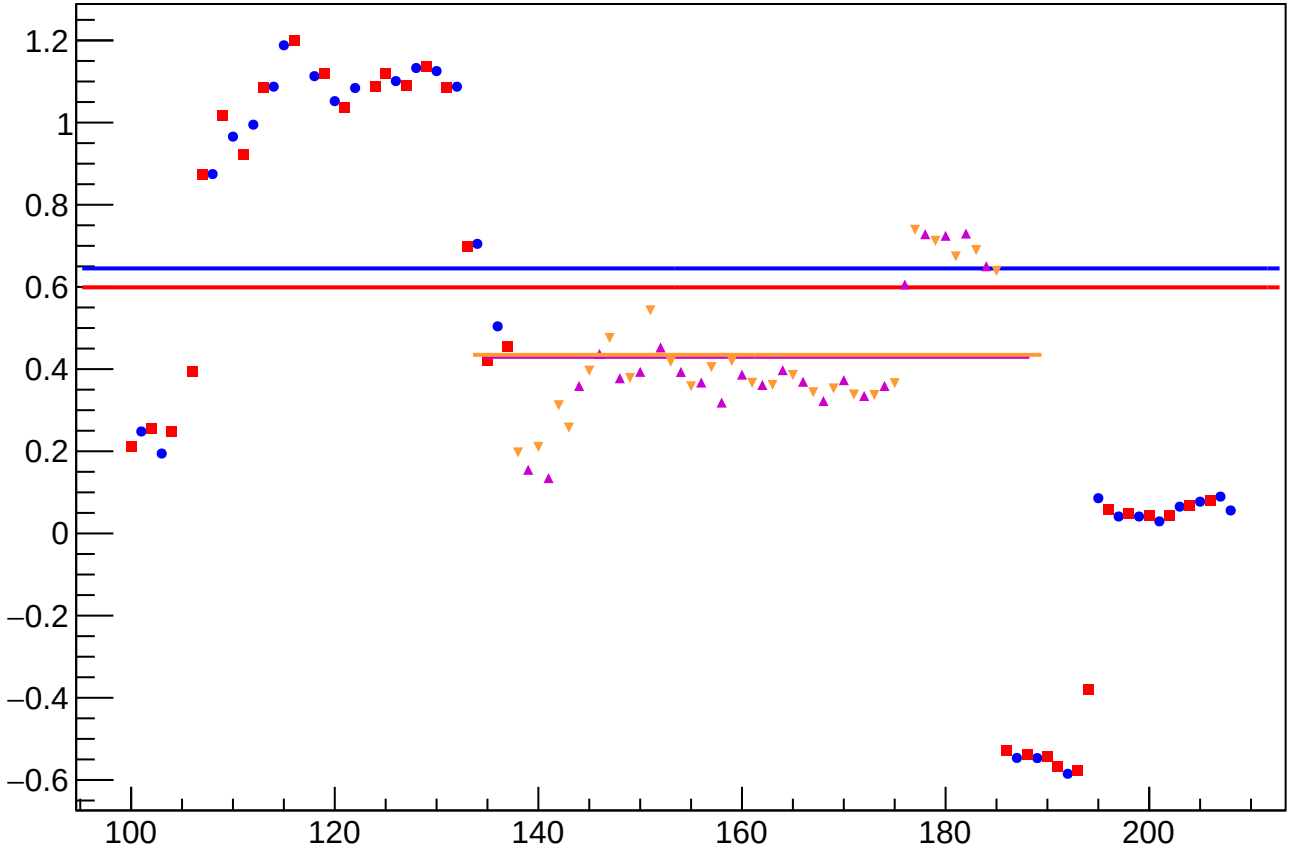
Right: 0.002+/-0.000 χ^2/NDF: 7608568.8/57

In: 0.002+/-0.000 χ^2/NDF:4692215.0/49

Out: 0.002+/-0.000 χ^2/NDF:4777041.9/55

All: 0.002+/-0.000 χ^2/NDF: 9470081.7/105

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.645+/-0.000 χ^2/NDF: 68006058712.4/26

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.599+/-0.000 χ^2/NDF: 86843714019.7/30

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

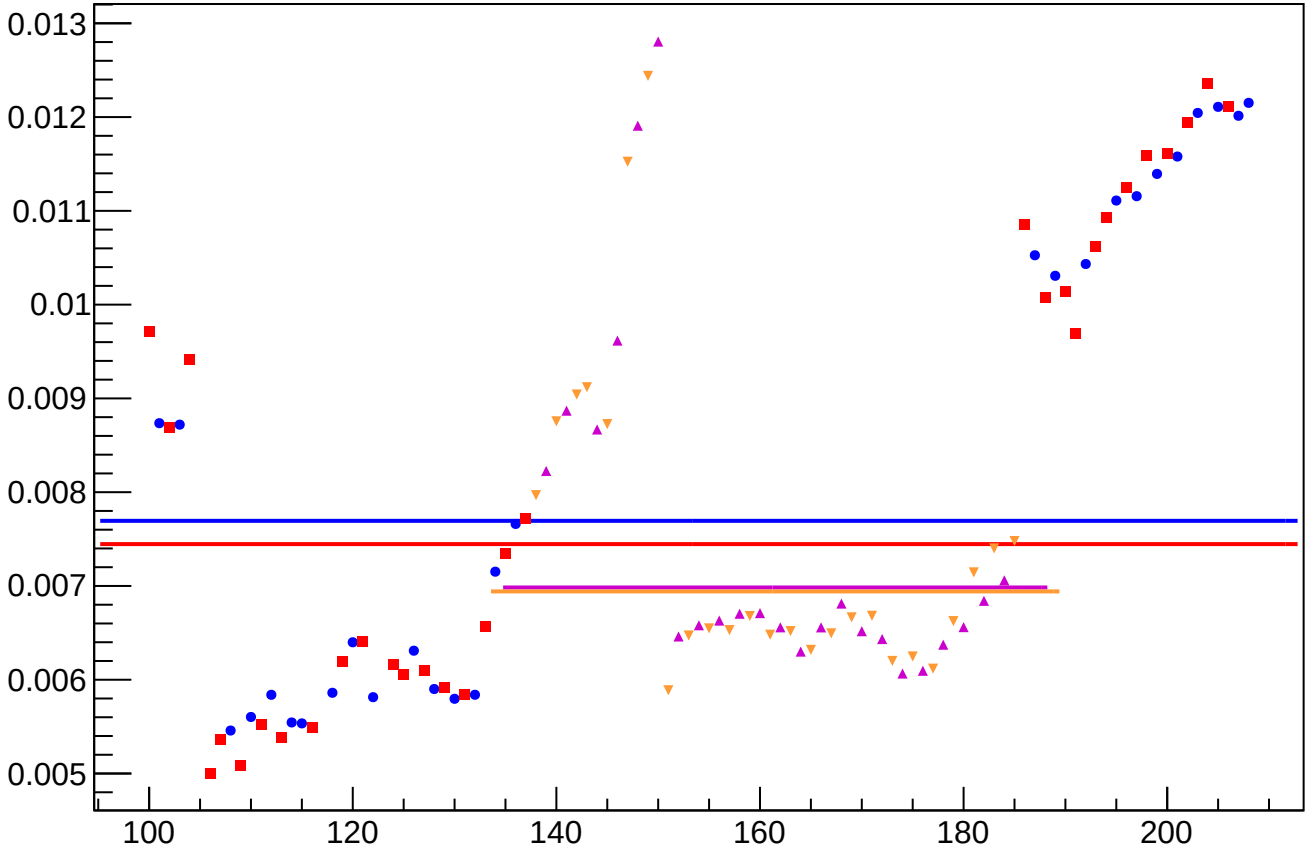
Right: 0.621+/-0.000 χ^2/NDF: 155118898019.3/57

In: 0.516+/-0.000 χ^2/NDF:83758987398.0/49

Out: 0.502+/-0.000 χ^2/NDF:99620643710.0/55

All: 0.509+/-0.000 χ^2/NDF: 183444617822.0

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2839416.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3204735.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

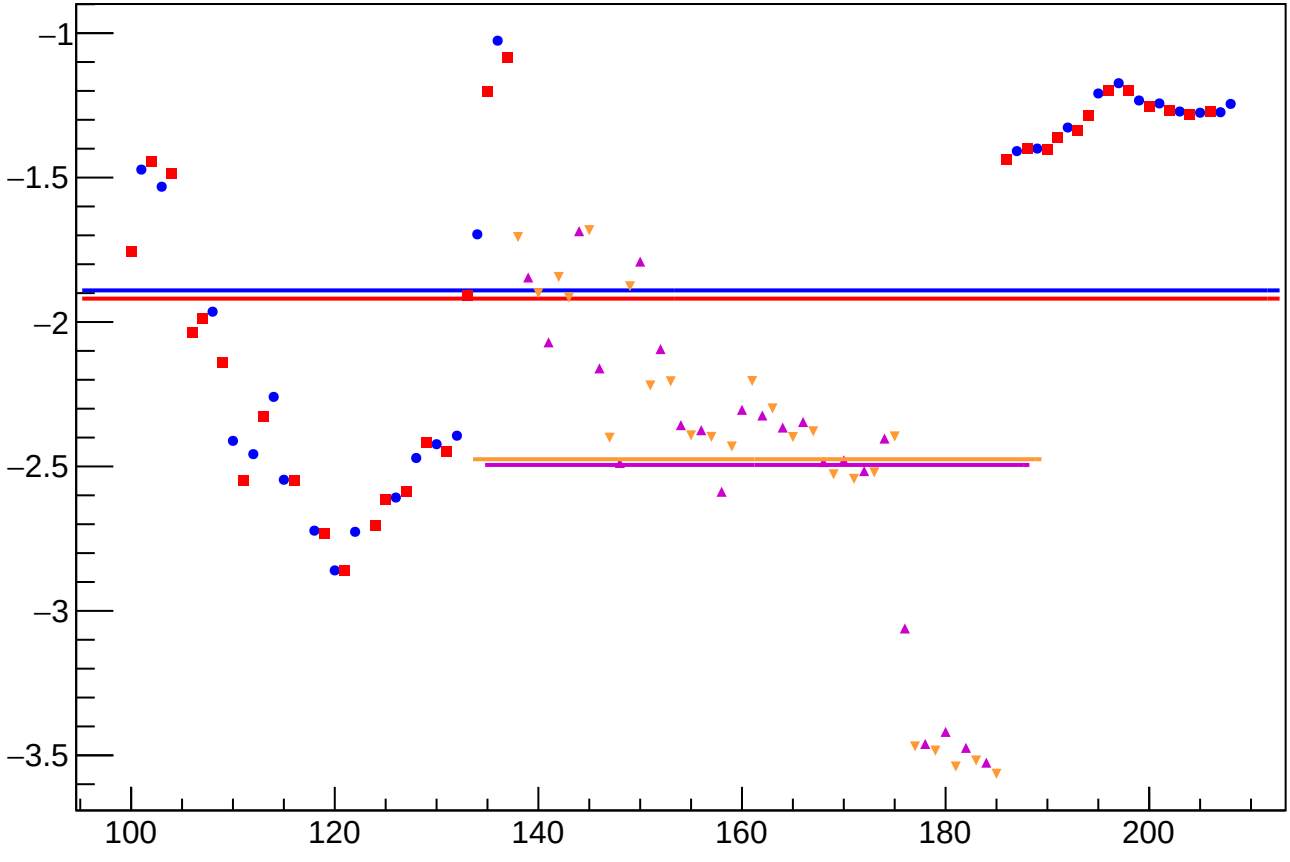
Right: 0.008+/-0.000 χ^2/NDF: 6059763.9/57

In: 0.007+/-0.000 χ^2/NDF:4122400.1/49

Out: 0.007+/-0.000 χ^2/NDF:4376092.3/55

All: 0.007+/-0.000 χ^2/NDF: 8507686.8/105

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.891+/-0.000 χ^2/NDF: 111276498311.6/26

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.919+/-0.000 χ^2/NDF: 106379527329.4/30

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

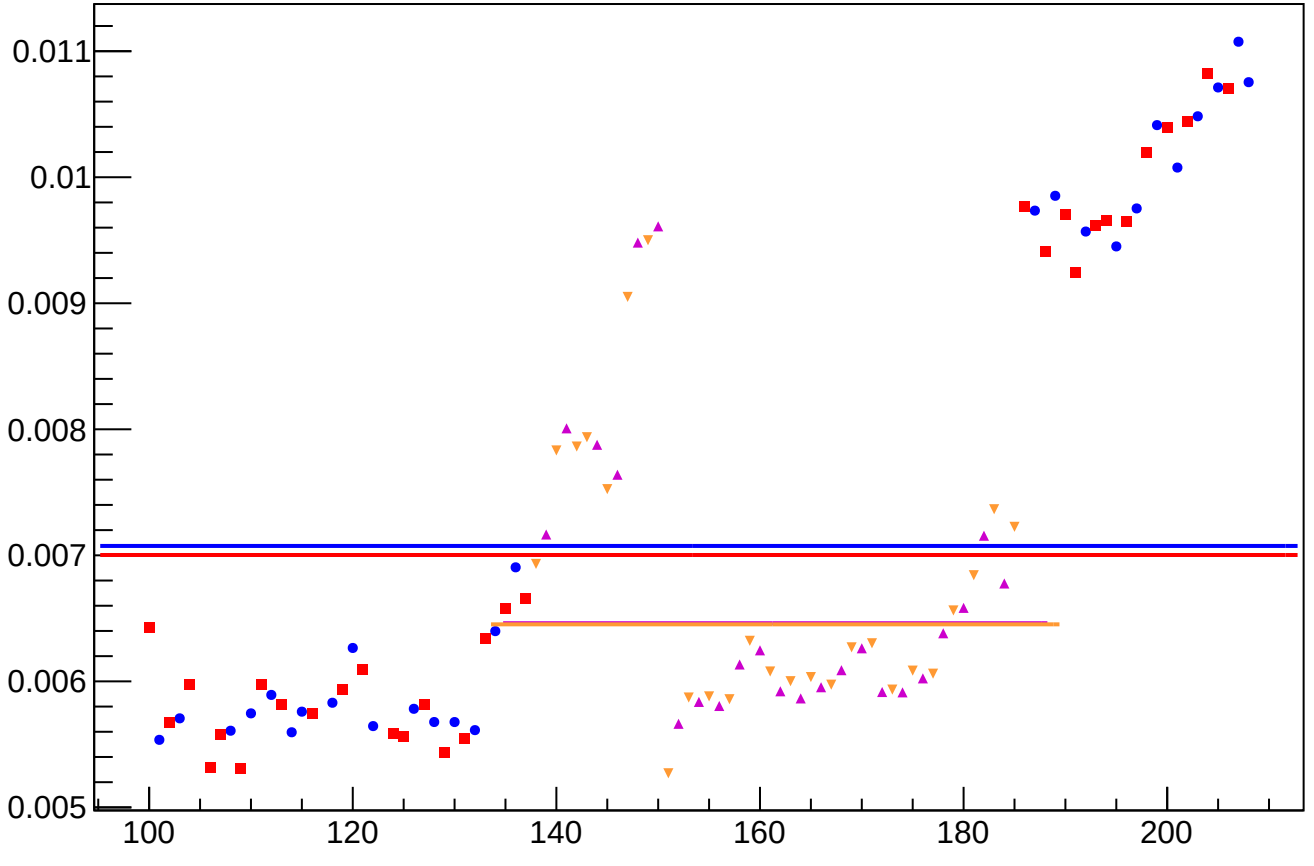
Right: -1.905+/-0.000 χ^2/NDF: 217777792537.4/57

In: -2.250+/-0.000 χ^2/NDF:271545293063.3/49

Out: -2.249+/-0.000 χ^2/NDF:286405483487.9/55

All: -2.250+/-0.000 χ^2/NDF: 557951045501.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2303620.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2350379.2/30

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

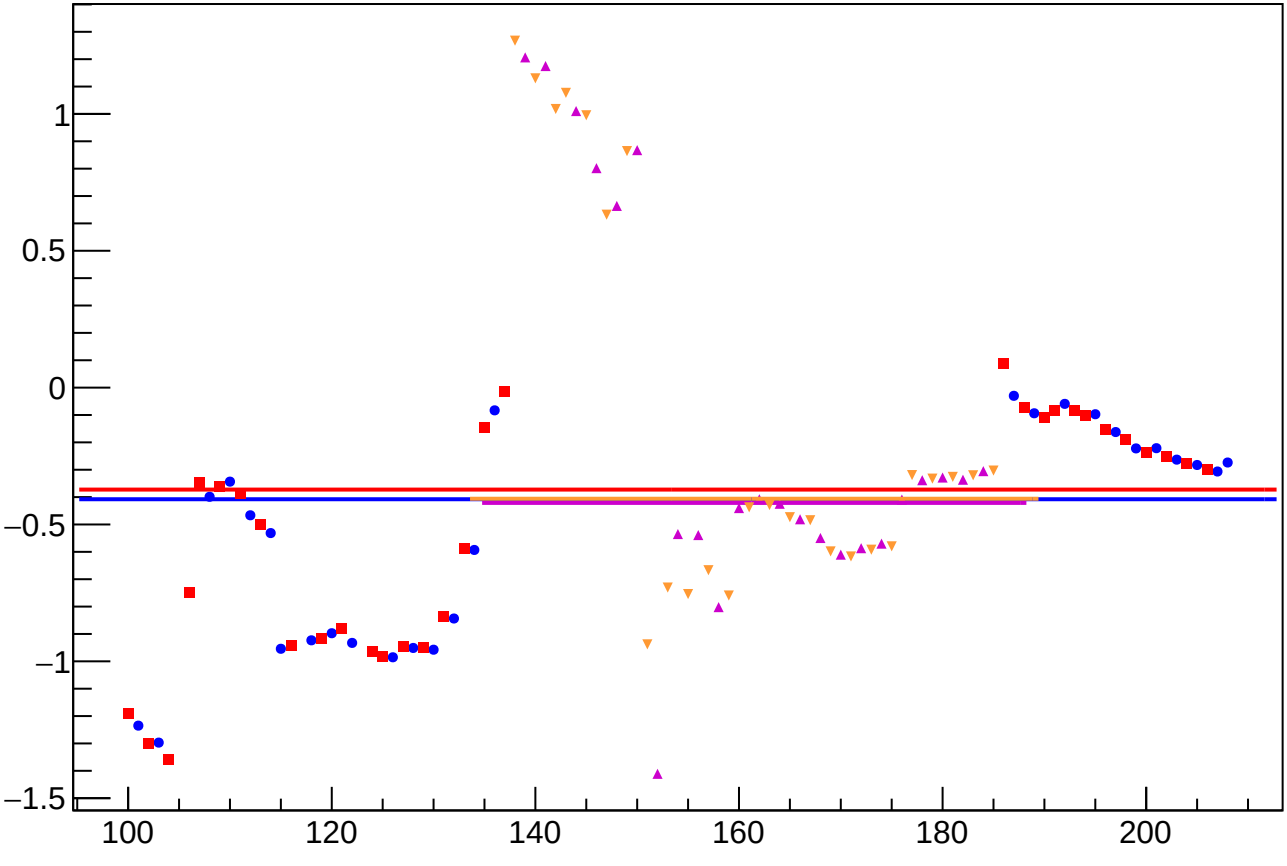
Right: 0.007+/-0.000 χ^2/NDF: 4655554.1/57

In: 0.007+/-0.000 χ^2/NDF:3154981.8/49

Out: 0.007+/-0.000 χ^2/NDF:3175430.7/55

All: 0.007+/-0.000 χ^2/NDF: 6331266.9/105

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.408+/-0.000 χ^2/NDF: 24228049560.6/26

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.373+/-0.000 χ^2/NDF: 27041378658.4/30

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

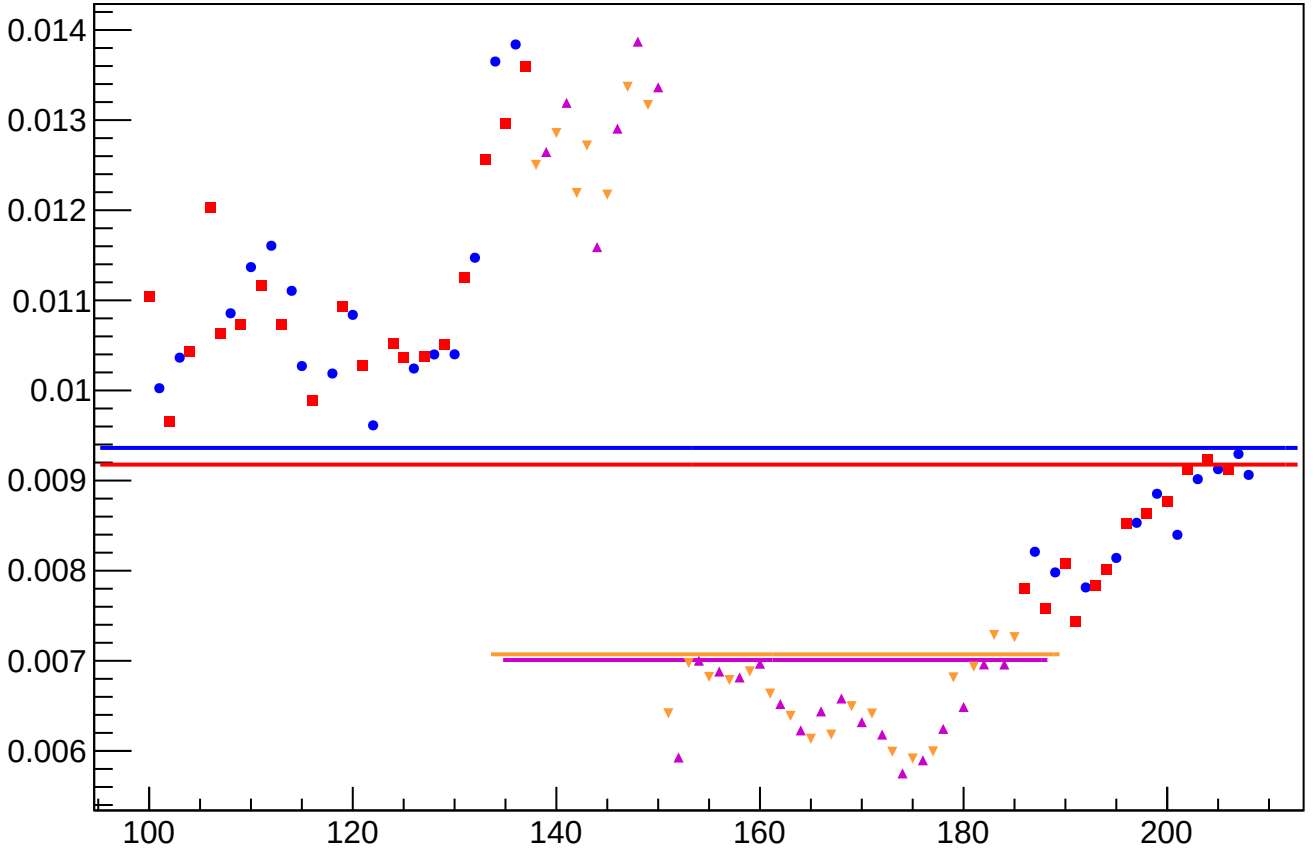
Right: -0.390+/-0.000 χ^2/NDF: 51381699041.1/57

In: -0.417+/-0.000 χ^2/NDF:114490347907.0/49

Out: -0.394+/-0.000 χ^2/NDF:108812260786.7/55

All: -0.405+/-0.000 χ^2/NDF: 223433296290.8

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 628862.8/26

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 675348.2/30

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

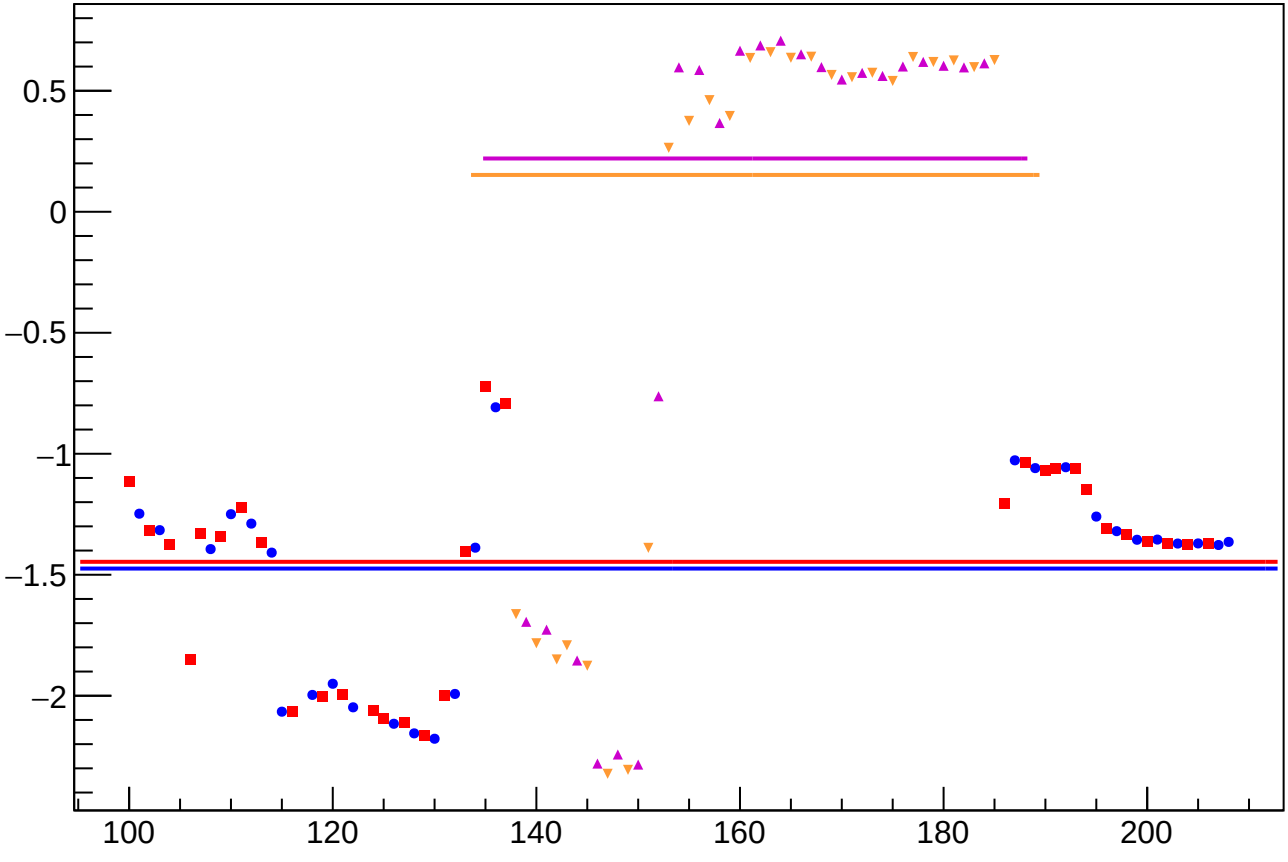
Right: 0.009+/-0.000 χ^2/NDF: 1310389.0/57

In: 0.008+/-0.000 χ^2/NDF:4360975.1/49

Out: 0.008+/-0.000 χ^2/NDF:4146054.3/55

All: 0.008+/-0.000 χ^2/NDF: 8507040.9/105

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.474+/-0.000 χ^2/NDF: 183359495513.3/26

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.447+/-0.000 χ^2/NDF: 172229976073.0/30

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

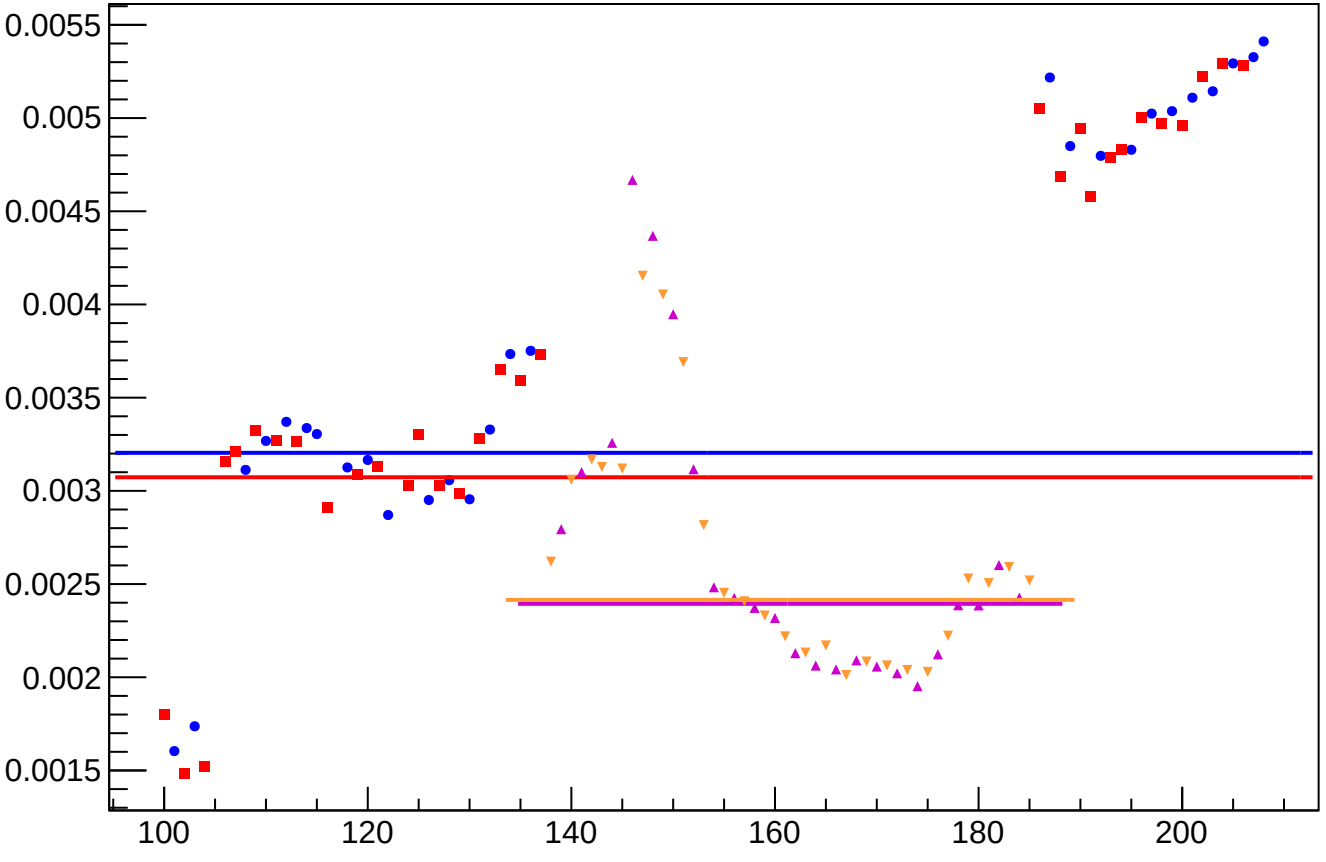
Right: -1.460+/-0.000 χ^2/NDF: 356098521162.6/57

In: -0.305+/-0.000 χ^2/NDF:4785421133995.2/49

Out: -0.357+/-0.000 χ^2/NDF:4955267433027.6/55

All: -0.332+/-0.000 χ^2/NDF: 9746465795480

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4242142.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5015078.2/30

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

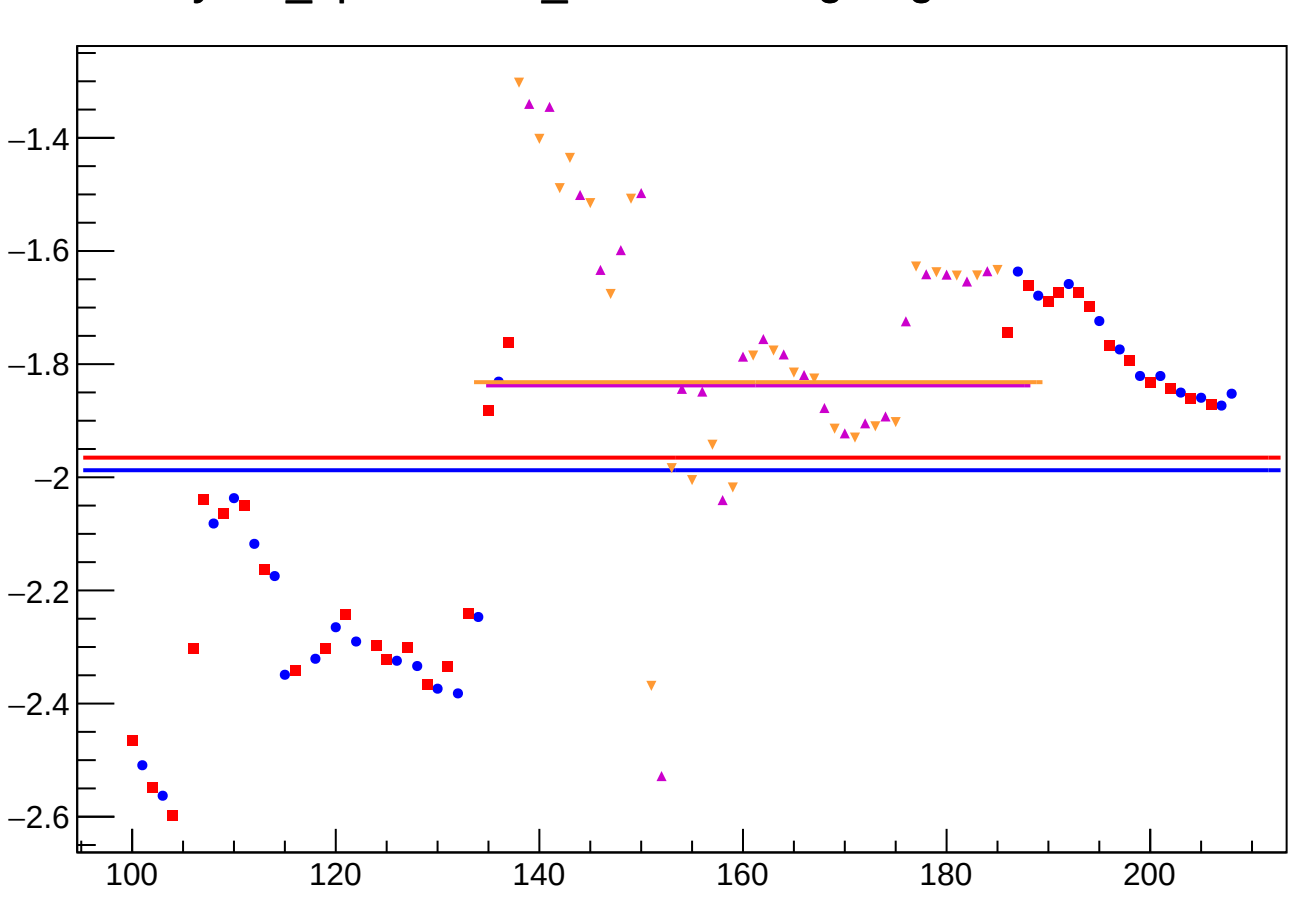
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 9279713.4/57

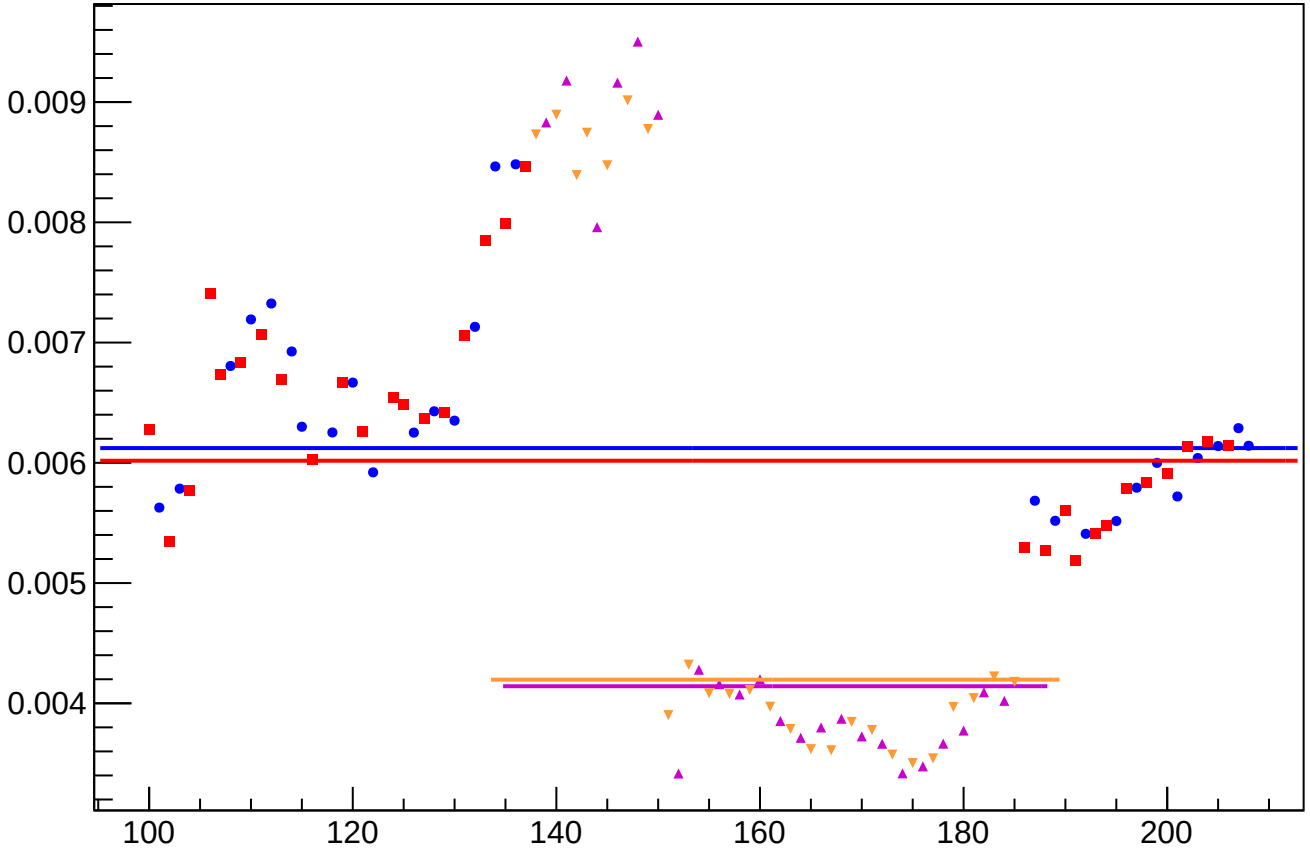
In: 0.003+/-0.000 χ^2/NDF:6784987.1/49

Out: 0.003+/-0.000 χ^2/NDF:7042639.7/55

All: 0.003+/-0.000 χ^2/NDF: 13829315.8/105


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
120
140
160
180
200
Right In: -1.988+/-0.000 χ²/NDF: 33387582111.7/26
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -1.965+/-0.000 χ²/NDF: 37356303029.5/30
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -1.976+/-0.000 χ²/NDF: 70848259489.4/57
In: -1.883+/-0.000 χ²/NDF:93204308044.5/49
Out: -1.873+/-0.000 χ²/NDF:81084684174.1/55
All: -1.878+/-0.000 χ²/NDF: 174354494550.5

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 366962.5/26

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 380318.7/30

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

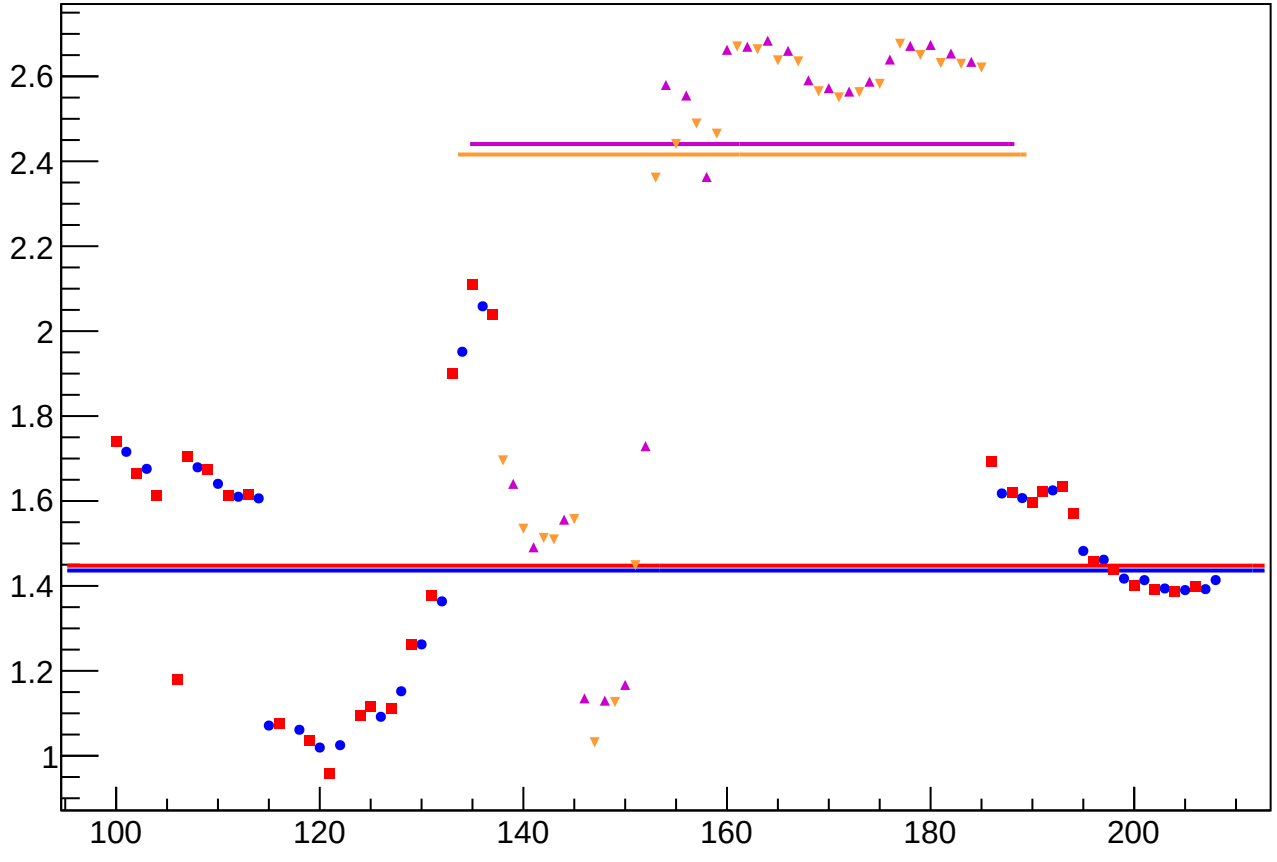
Right: 0.006+/-0.000 χ^2/NDF: 751929.3/57

In: 0.005+/-0.000 χ^2/NDF:5786951.1/49

Out: 0.005+/-0.000 χ^2/NDF:5470135.6/55

All: 0.005+/-0.000 χ^2/NDF: 11257622.2/105

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191483299925.3/26

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186627292583.6/30

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

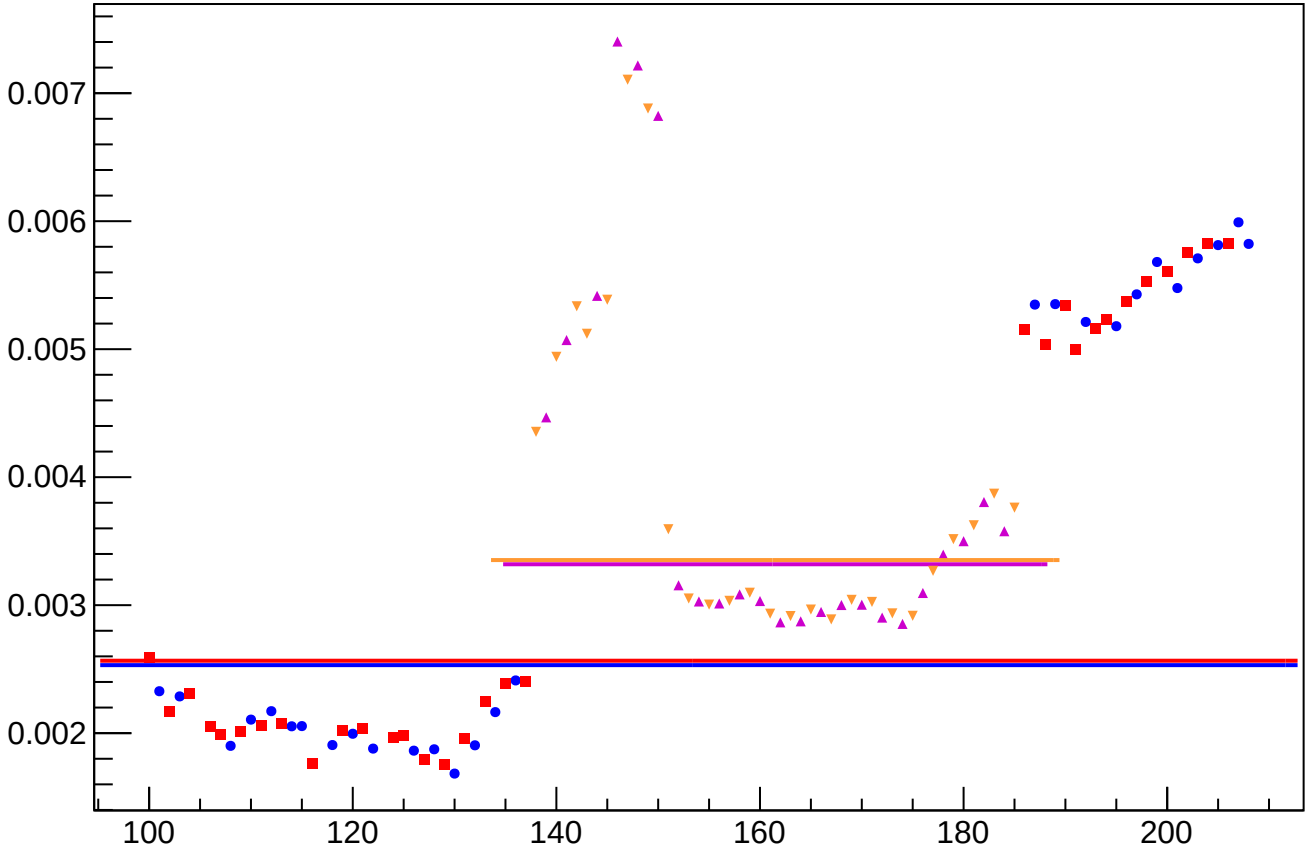
Right: 1.442+/-0.000 χ^2/NDF: 378237044326.1/57

In: 1.876+/-0.000 χ^2/NDF:1263350809345.4/49

Out: 1.879+/-0.000 χ^2/NDF:1236741061655.3/55

All: 1.878+/-0.000 χ^2/NDF: 2500105440448.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6045604.8/26

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6002320.7/30

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

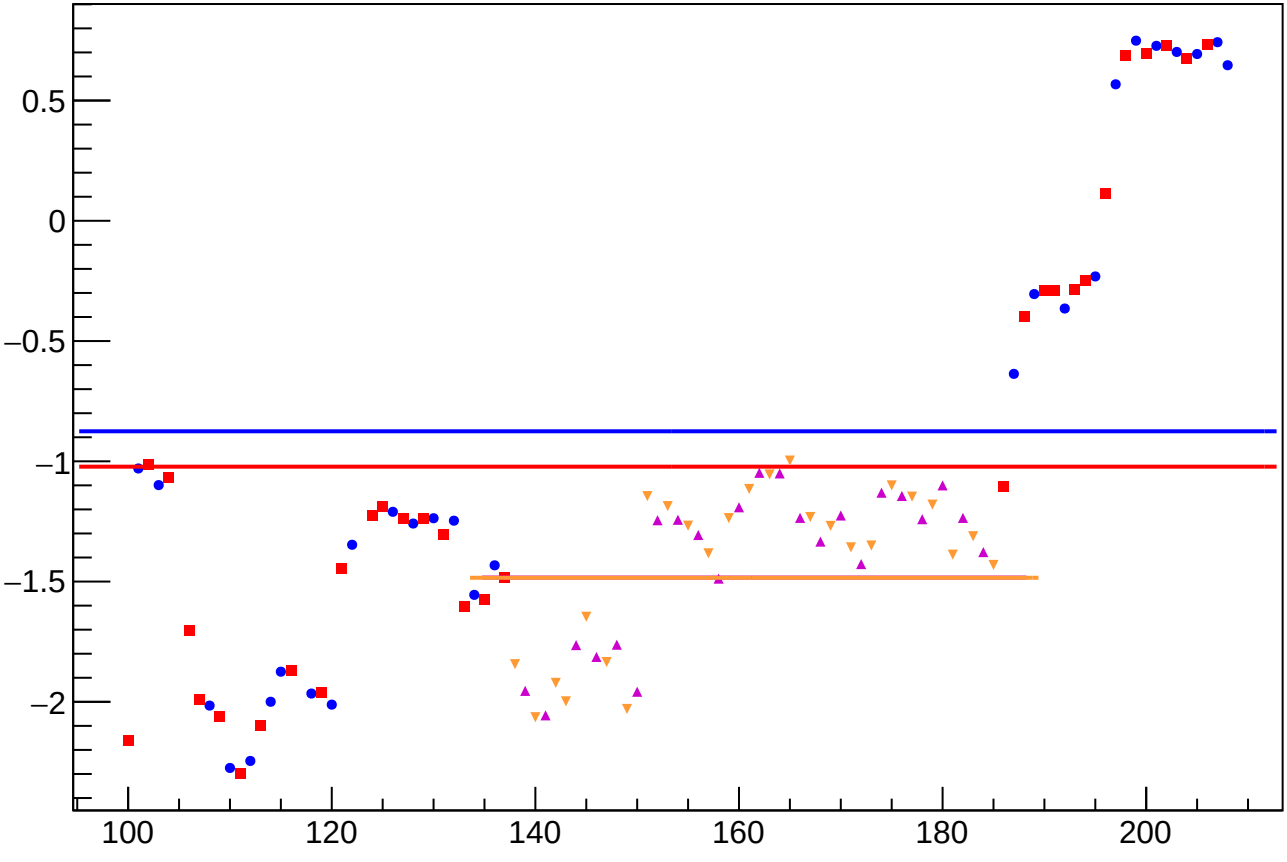
Right: 0.003+/-0.000 χ^2/NDF: 12050215.8/57

In: 0.003+/-0.000 χ^2/NDF:9135919.7/49

Out: 0.003+/-0.000 χ^2/NDF:8886979.3/55

All: 0.003+/-0.000 χ^2/NDF: 18028277.4/105

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.875+/-0.000 χ^2/NDF: 203341737699.6/26

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.022+/-0.000 χ^2/NDF: 216538090268.0/30

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

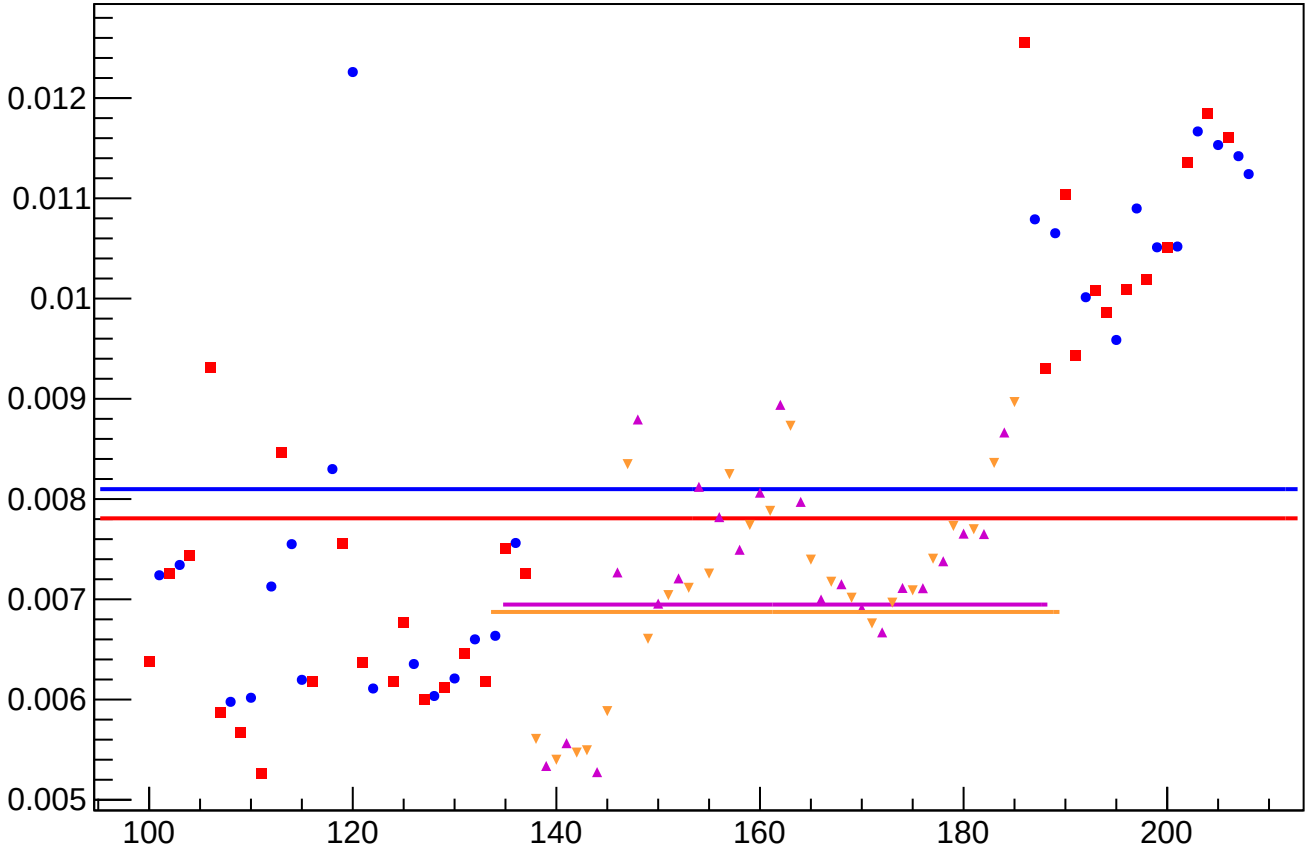
Right: -0.953+/-0.000 χ^2/NDF: 422332417480.8/57

In: -1.254+/-0.000 χ^2/NDF:292948347160.9/49

Out: -1.306+/-0.000 χ^2/NDF:296543622182.1/55

All: -1.281+/-0.000 χ^2/NDF: 590301216755.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1798674.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2015033.7/30

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

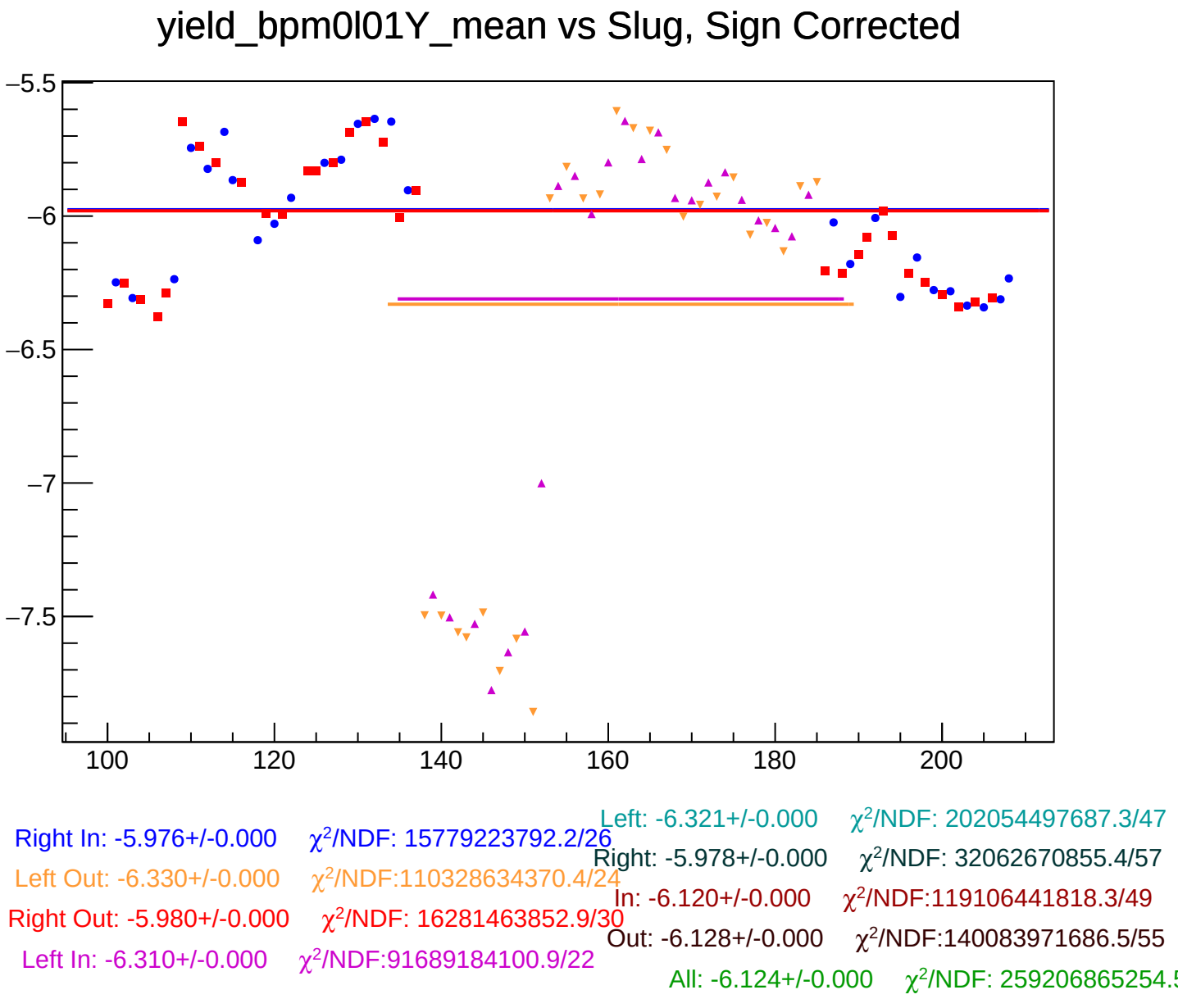
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 3832917.6/57

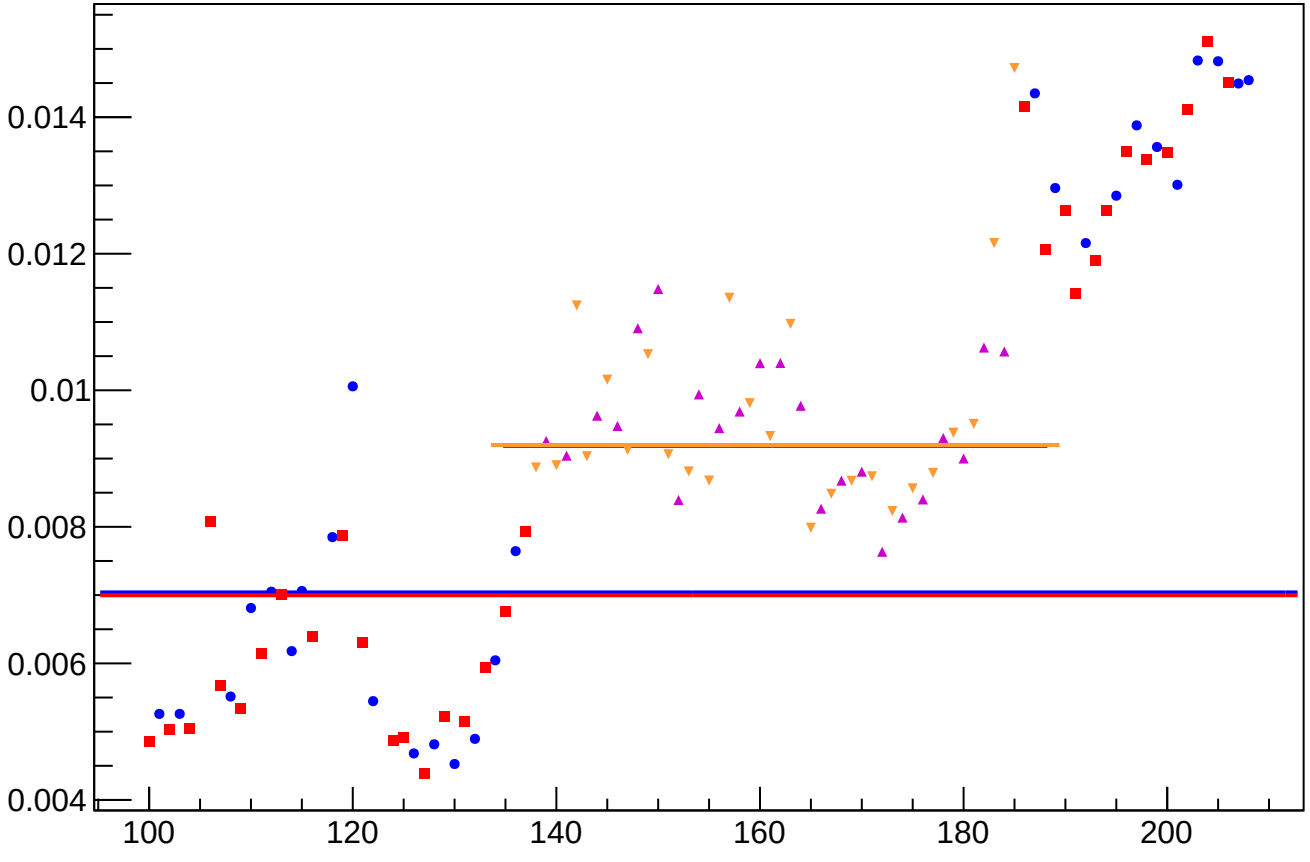
In: 0.007+/-0.000 χ^2/NDF:2898447.5/49

Out: 0.007+/-0.000 χ^2/NDF:3018627.4/55

All: 0.007+/-0.000 χ^2/NDF: 5930070.3/105


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
120
140
160
180
200
Right In: -5.976+/-0.000 χ²/NDF: 15779223792.2/26
Left Out: -6.330+/-0.000 χ²/NDF:110328634370.4/24
Right Out: -5.980+/-0.000 χ²/NDF: 16281463852.9/30
Left In: -6.310+/-0.000 χ²/NDF:91689184100.9/22
Left: -6.321+/-0.000 χ²/NDF: 202054497687.3/47
Right: -5.978+/-0.000 χ²/NDF: 32062670855.4/57
In: -6.120+/-0.000 χ²/NDF:119106441818.3/49
Out: -6.128+/-0.000 χ²/NDF:140083971686.5/55
All: -6.124+/-0.000 χ²/NDF: 259206865254.5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 5277277.3/26

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5130236.1/30

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

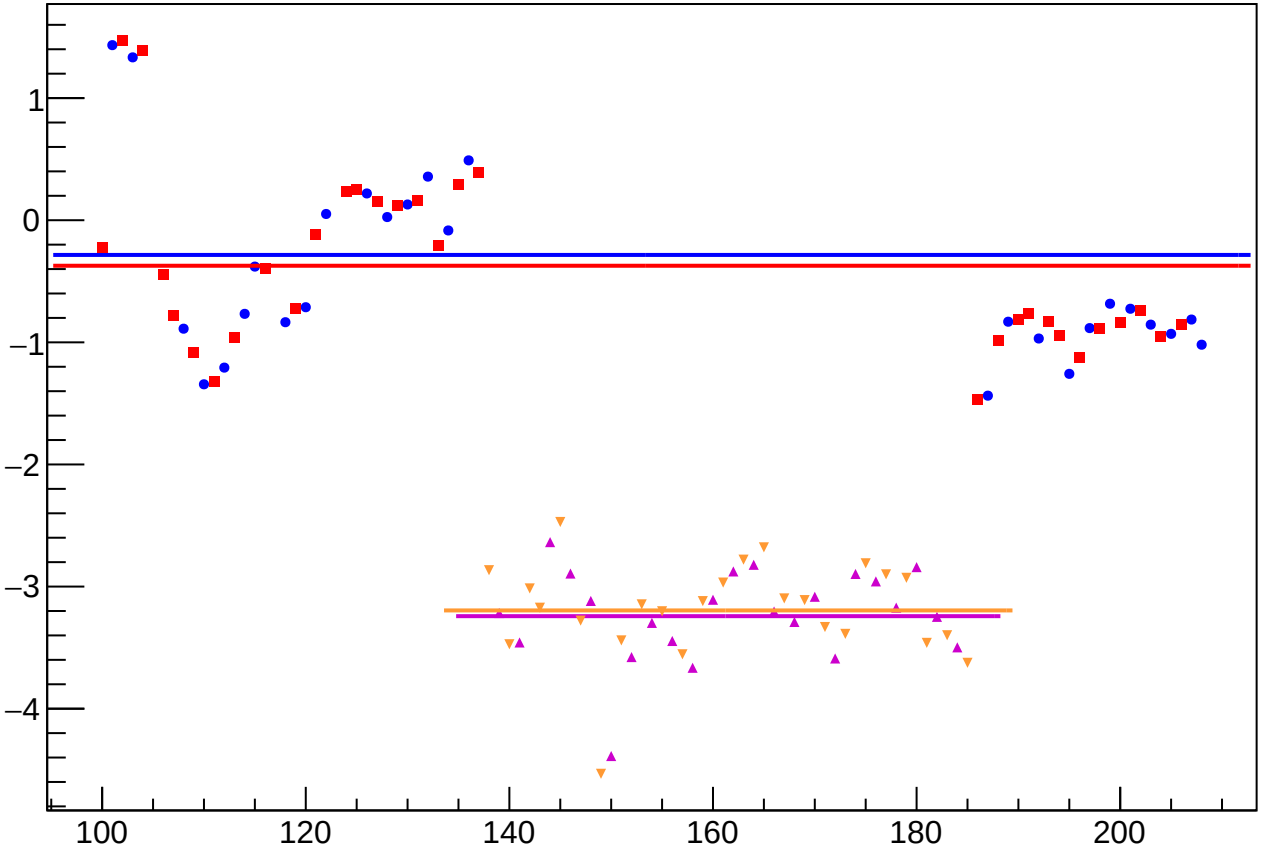
Right: 0.007+/-0.000 χ^2/NDF: 10407944.1/57

In: 0.008+/-0.000 χ^2/NDF:6555038.7/49

Out: 0.008+/-0.000 χ^2/NDF:6562365.3/55

All: 0.008+/-0.000 χ^2/NDF: 13117816.7/105

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.284+/-0.000 χ^2/NDF: 34267362735.8/26

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.373+/-0.000 χ^2/NDF: 35196206932.4/30

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

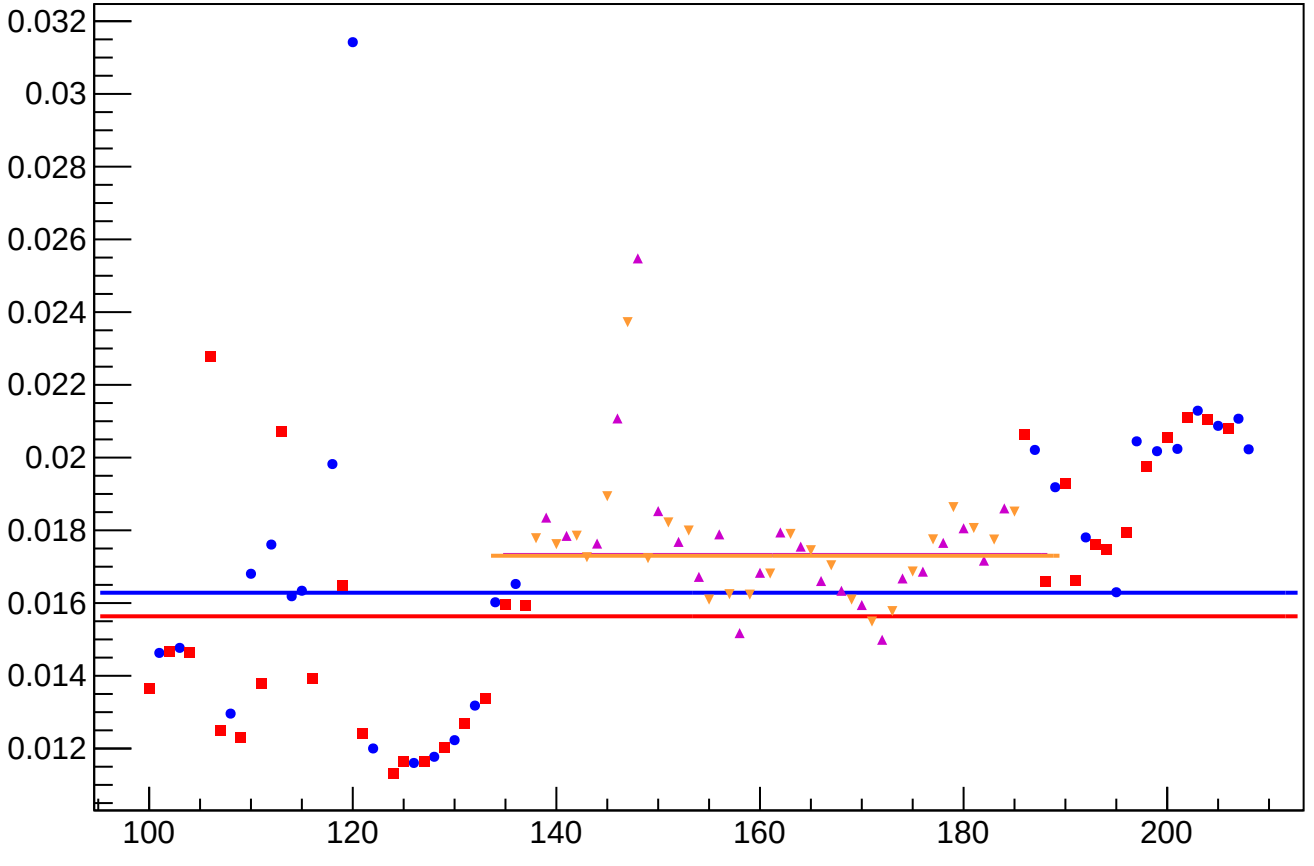
Right: -0.331+/-0.000 χ^2/NDF: 69688512259.5/57

In: -1.824+/-0.000 χ^2/NDF:287218451230.2/49

Out: -1.791+/-0.000 χ^2/NDF:290703417939.6/55

All: -1.807+/-0.000 χ^2/NDF: 577985572944.0

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1351222.6/26

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1318468.8/30

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

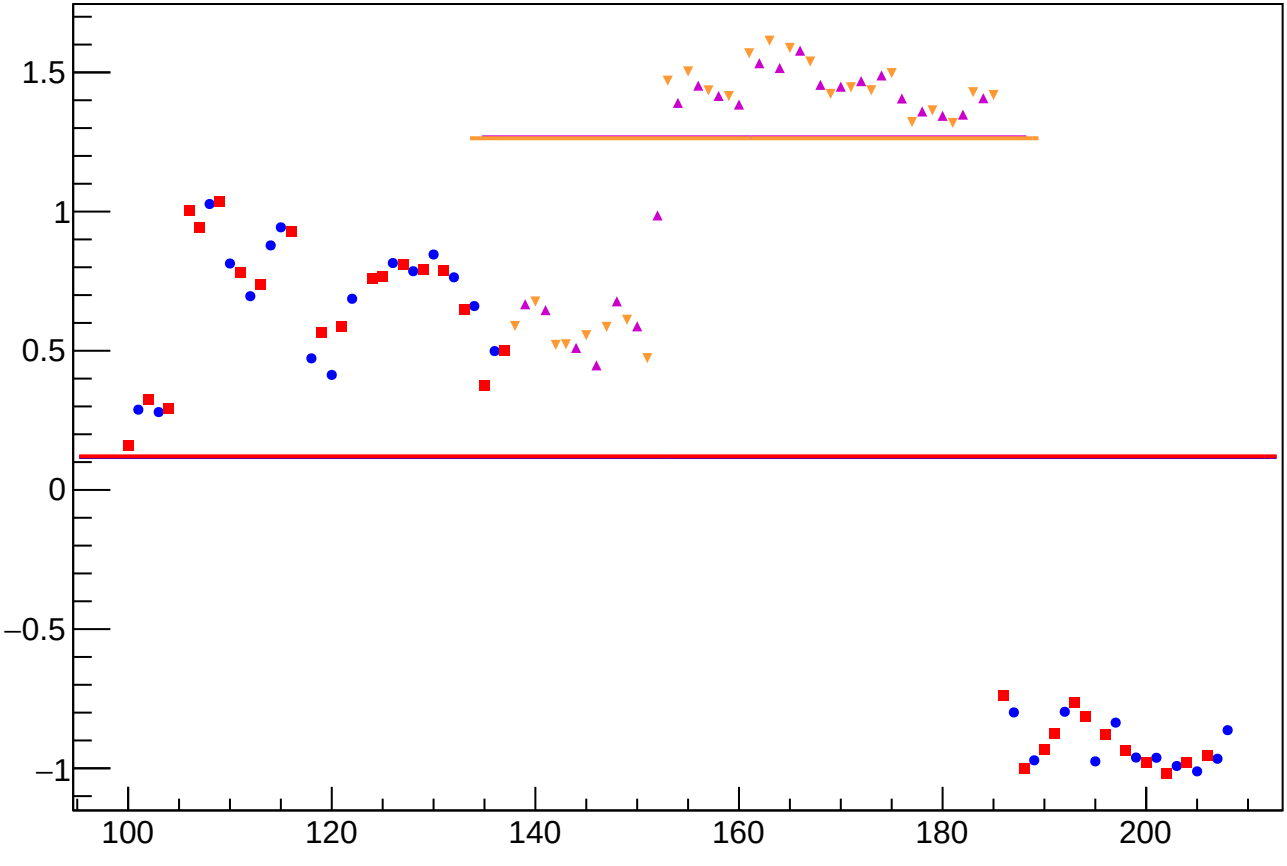
Right: 0.016+/-0.000 χ^2/NDF: 2693789.3/57

In: 0.017+/-0.000 χ^2/NDF:1741519.0/49

Out: 0.016+/-0.000 χ^2/NDF:1707755.4/55

All: 0.017+/-0.000 χ^2/NDF: 3463842.9/105

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.118+/-0.000 χ^2/NDF: 77416102807.8/26

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.121+/-0.000 χ^2/NDF: 86391438227.4/30

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

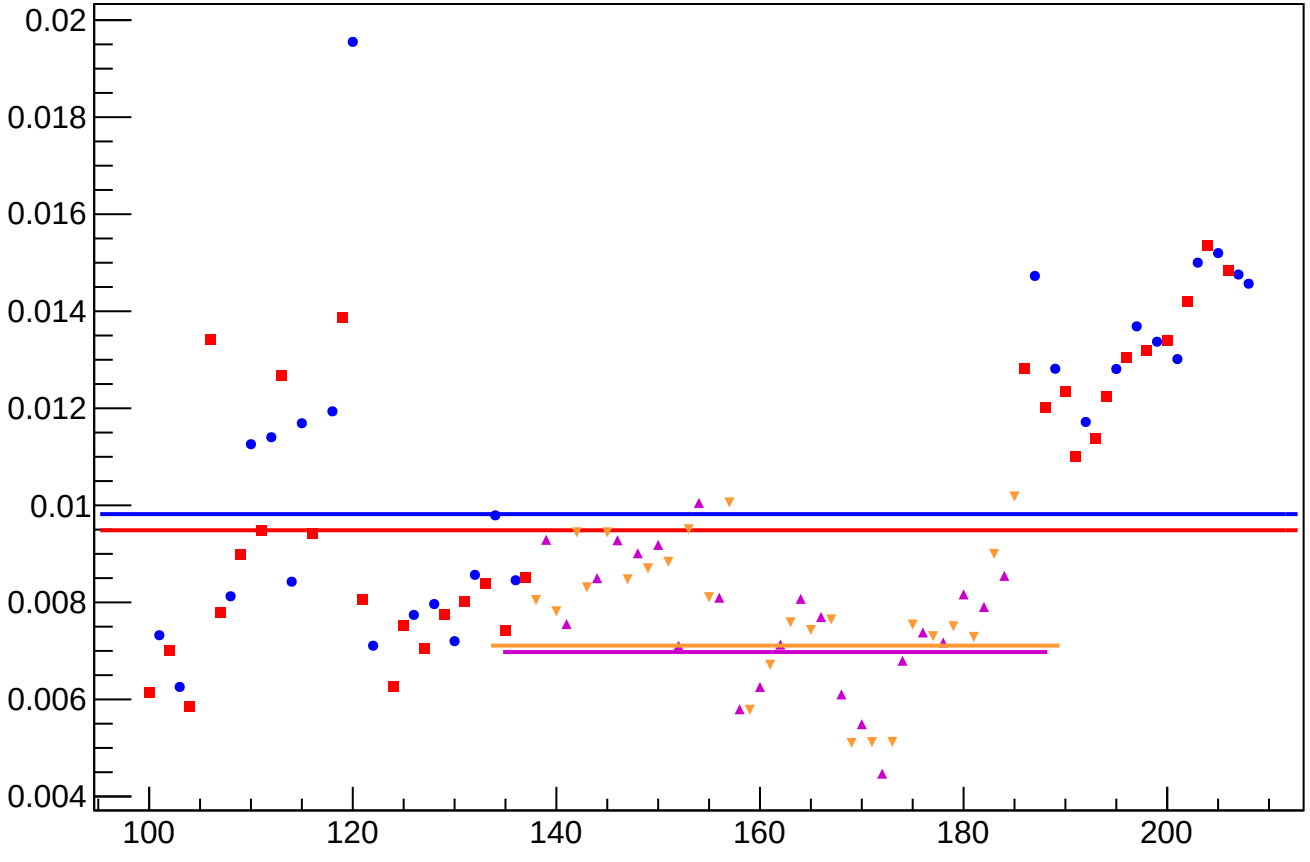
Right: 0.120+/-0.000 χ^2/NDF: 163807904712.6/57

In: 0.929+/-0.000 χ^2/NDF:244652545806.5/49

Out: 0.902+/-0.000 χ^2/NDF:271126834734.4/55

All: 0.915+/-0.000 χ^2/NDF: 515956452769.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2545539.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2562131.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

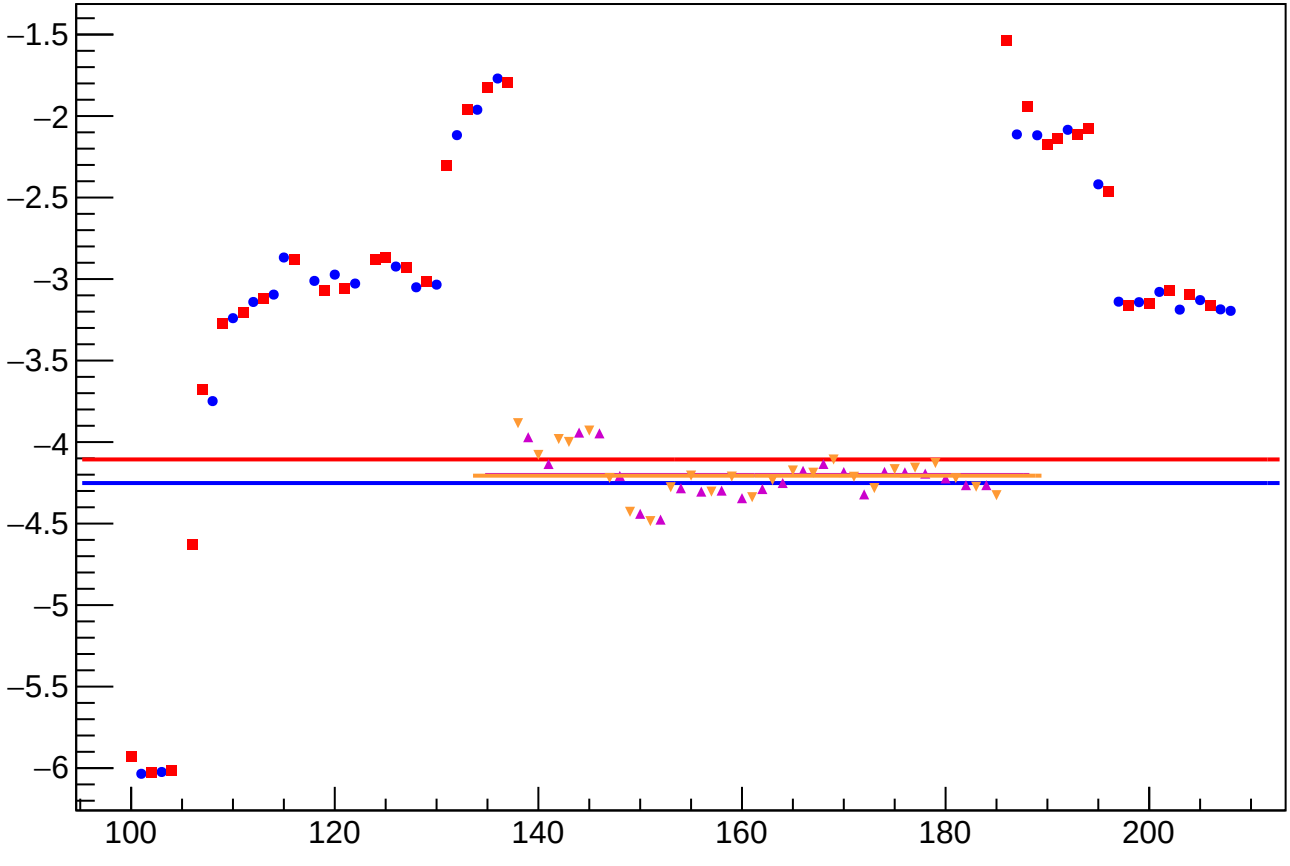
Right: 0.010+/-0.000 χ^2/NDF: 5123933.0/57

In: 0.008+/-0.000 χ^2/NDF:5590821.2/49

Out: 0.008+/-0.000 χ^2/NDF:5285440.5/55

All: 0.008+/-0.000 χ^2/NDF: 10877406.1/105

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.251+/-0.000 χ^2/NDF: 294466665821.0/26

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.106+/-0.000 χ^2/NDF: 298308397627.2/30

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

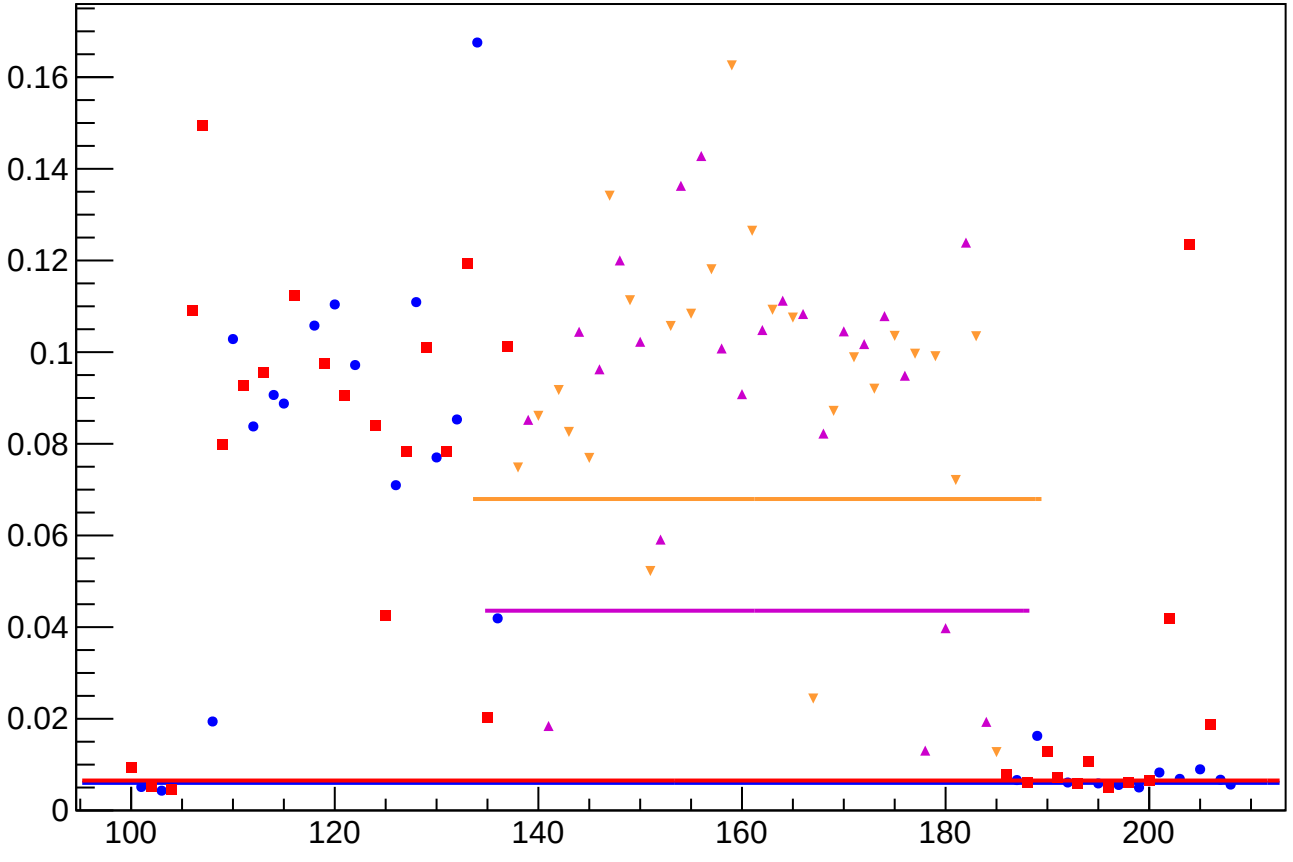
Right: -4.189+/-0.000 χ^2/NDF: 593815531407.3/57

In: -4.250+/-0.000 χ^2/NDF:294519159852.7/49

Out: -4.109+/-0.000 χ^2/NDF:298395573976.5/55

All: -4.190+/-0.000 χ^2/NDF: 593921146115.8

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8914270.6/26

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10674979.7/30

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

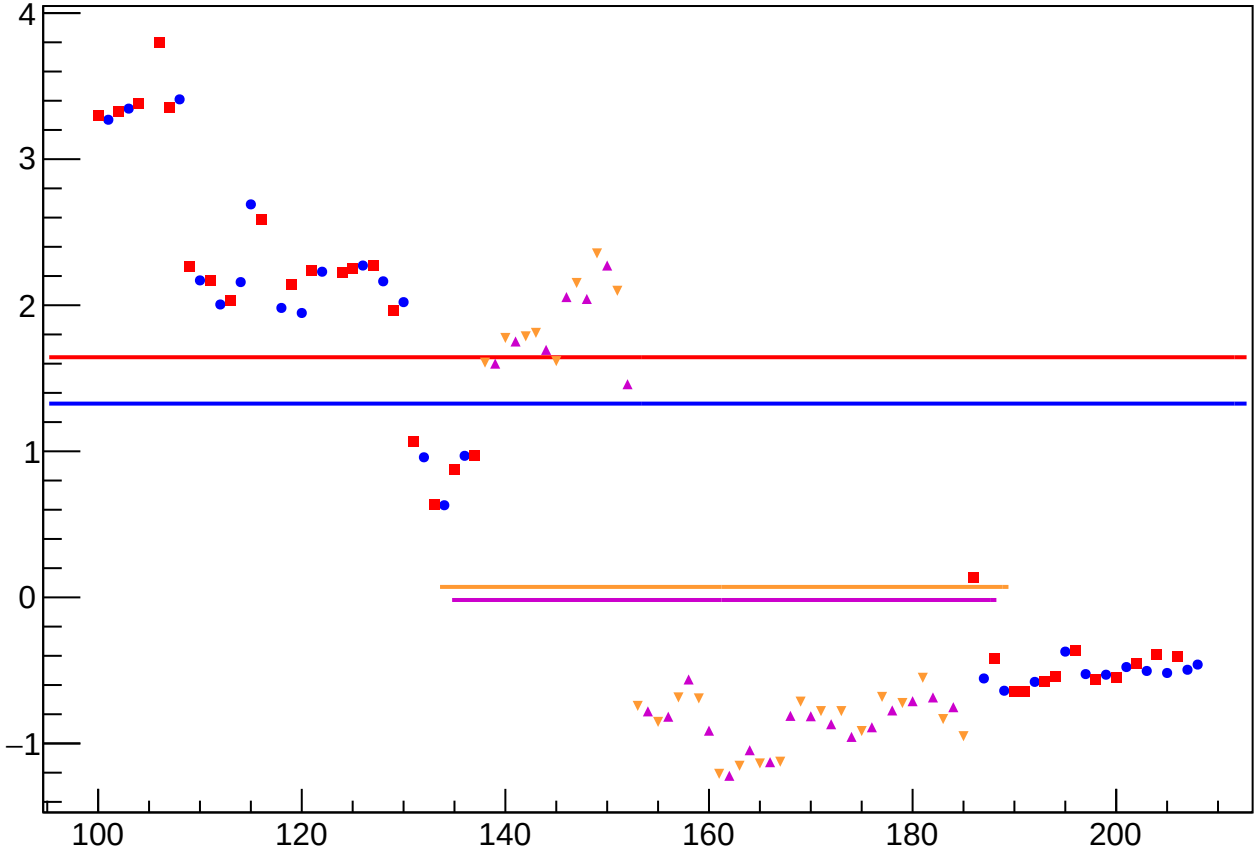
Right: 0.006+/-0.000 χ^2/NDF: 19615162.2/57

In: 0.007+/-0.000 χ^2/NDF:32828994.2/49

Out: 0.008+/-0.000 χ^2/NDF:37785522.4/55

All: 0.008+/-0.000 χ^2/NDF: 70730313.4/105

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.327+/-0.000 χ^2/NDF: 228782022009.1/26

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.644+/-0.000 χ^2/NDF: 184953142304.2/30

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

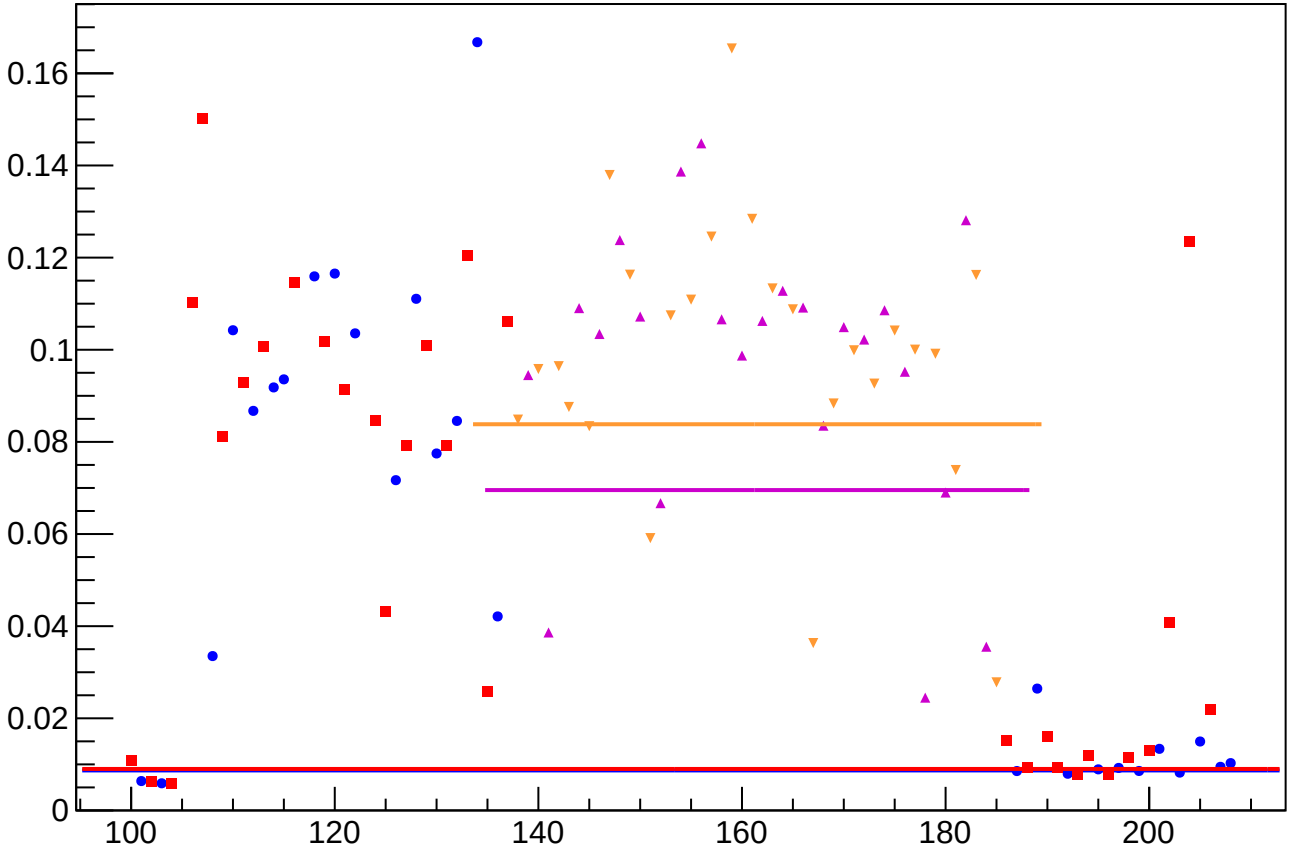
Right: 1.469+/-0.000 χ^2/NDF: 416626892119.0/57

In: 1.278+/-0.000 χ^2/NDF:236381355340.8/49

Out: 1.584+/-0.000 χ^2/NDF:193481734791.4/55

All: 1.416+/-0.000 χ^2/NDF: 432654322361.5

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8773285.8/26

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10423240.6/30

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

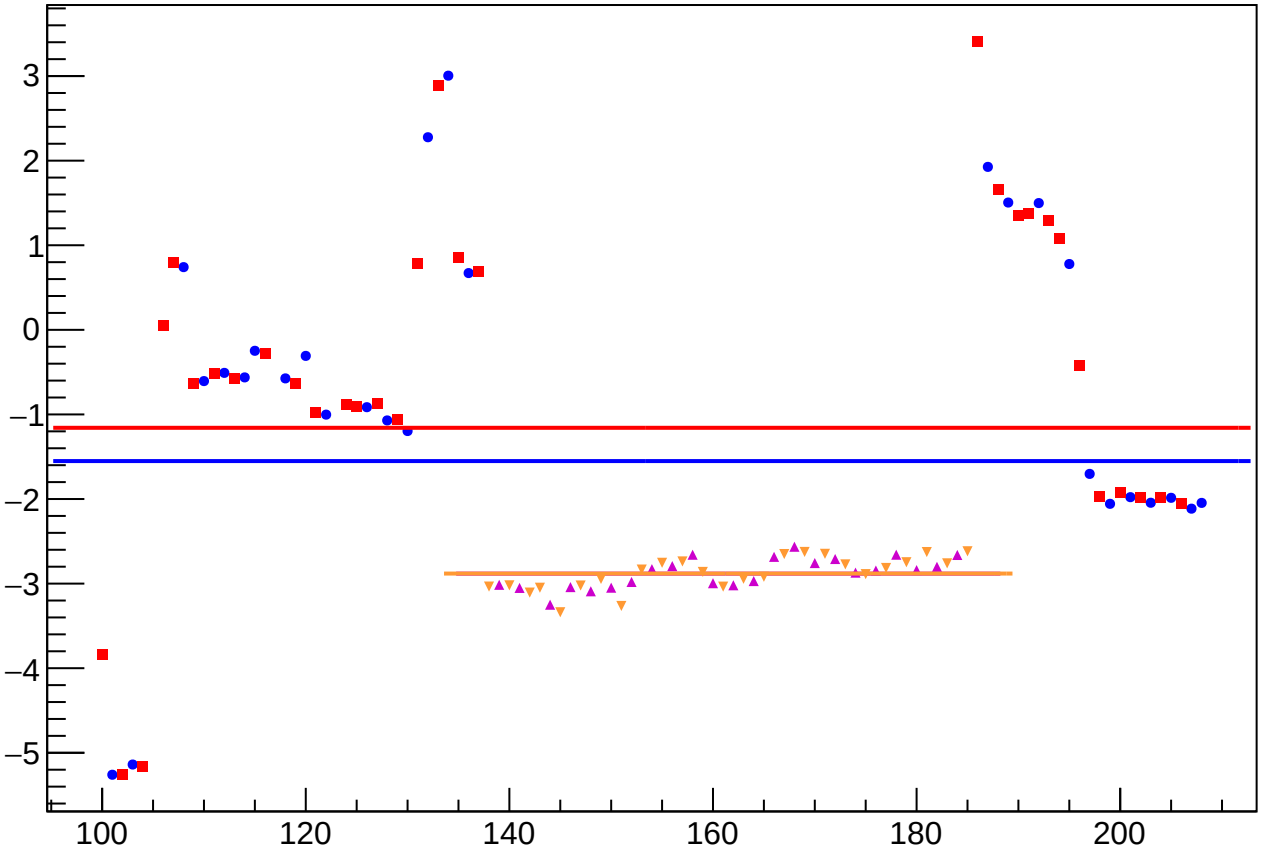
Right: 0.009+/-0.000 χ^2/NDF: 19202314.4/57

In: 0.011+/-0.000 χ^2/NDF:32449035.3/49

Out: 0.012+/-0.000 χ^2/NDF:36416051.3/55

All: 0.011+/-0.000 χ^2/NDF: 68921409.2/105

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.551+/-0.000 χ^2/NDF: 208874729429.8/26

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.158+/-0.000 χ^2/NDF: 236200505109.8/30

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

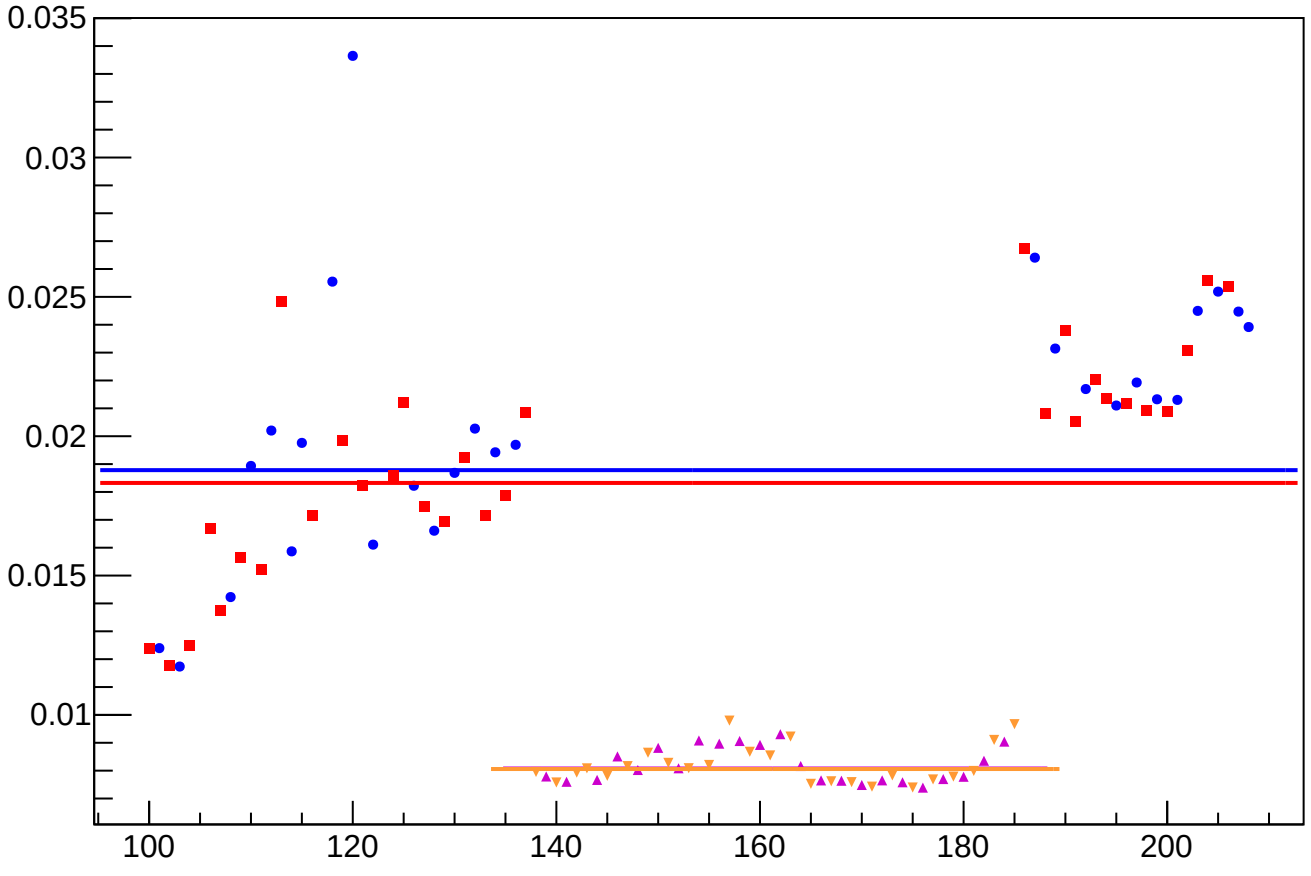
Right: -1.344+/-0.000 χ^2/NDF: 448230920311.9/57

In: -2.714+/-0.000 χ^2/NDF:276995004140.8/49

Out: -2.654+/-0.000 χ^2/NDF:358034729986.6/55

All: -2.683+/-0.000 χ^2/NDF: 635611724685.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1640130.7/26

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1503884.5/30

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

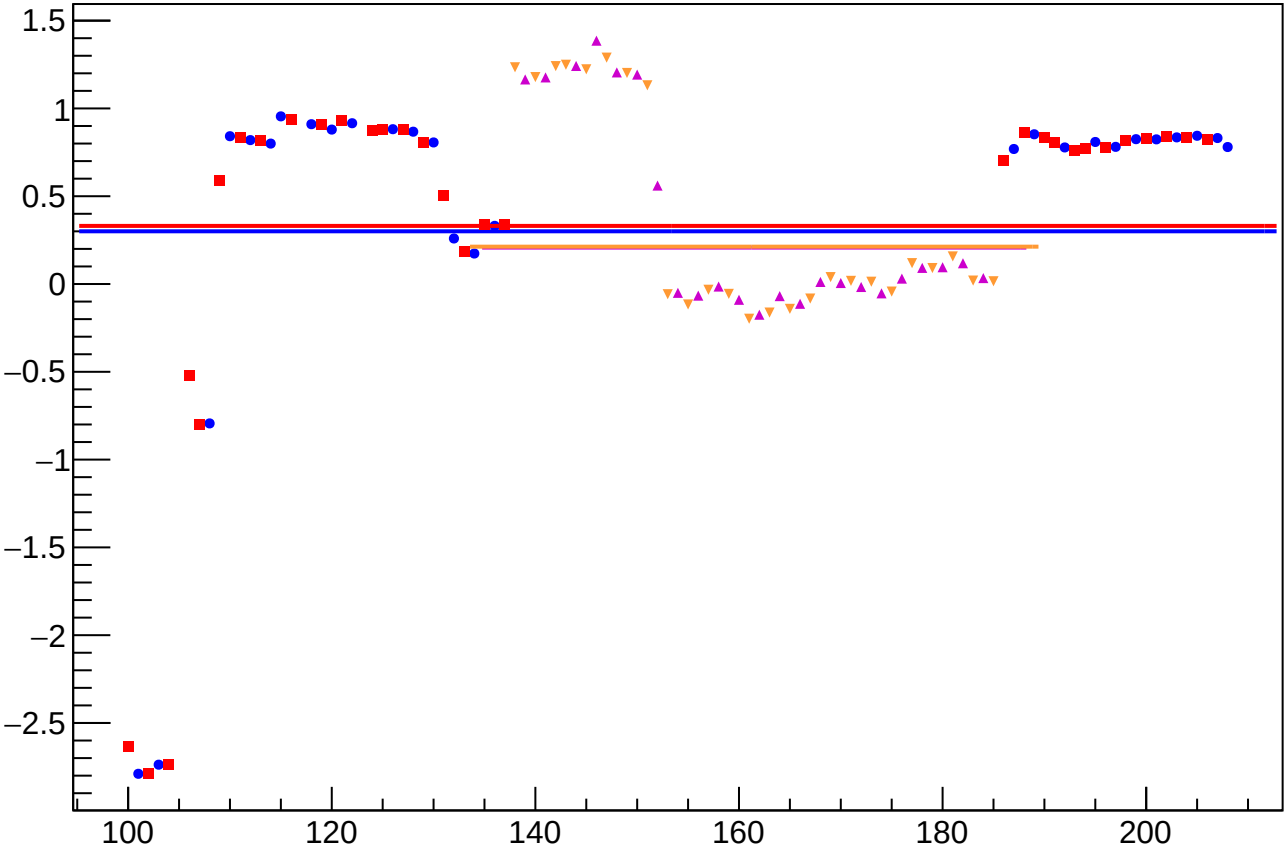
Right: 0.019+/-0.000 χ^2/NDF: 3152618.6/57

In: 0.009+/-0.000 χ^2/NDF:9560871.0/49

Out: 0.009+/-0.000 χ^2/NDF:9587241.3/55

All: 0.009+/-0.000 χ^2/NDF: 19148190.1/105

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.300+/-0.000 χ^2/NDF: 961675950060.1/26

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.331+/-0.000 χ^2/NDF: 1046108667072.0/30

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

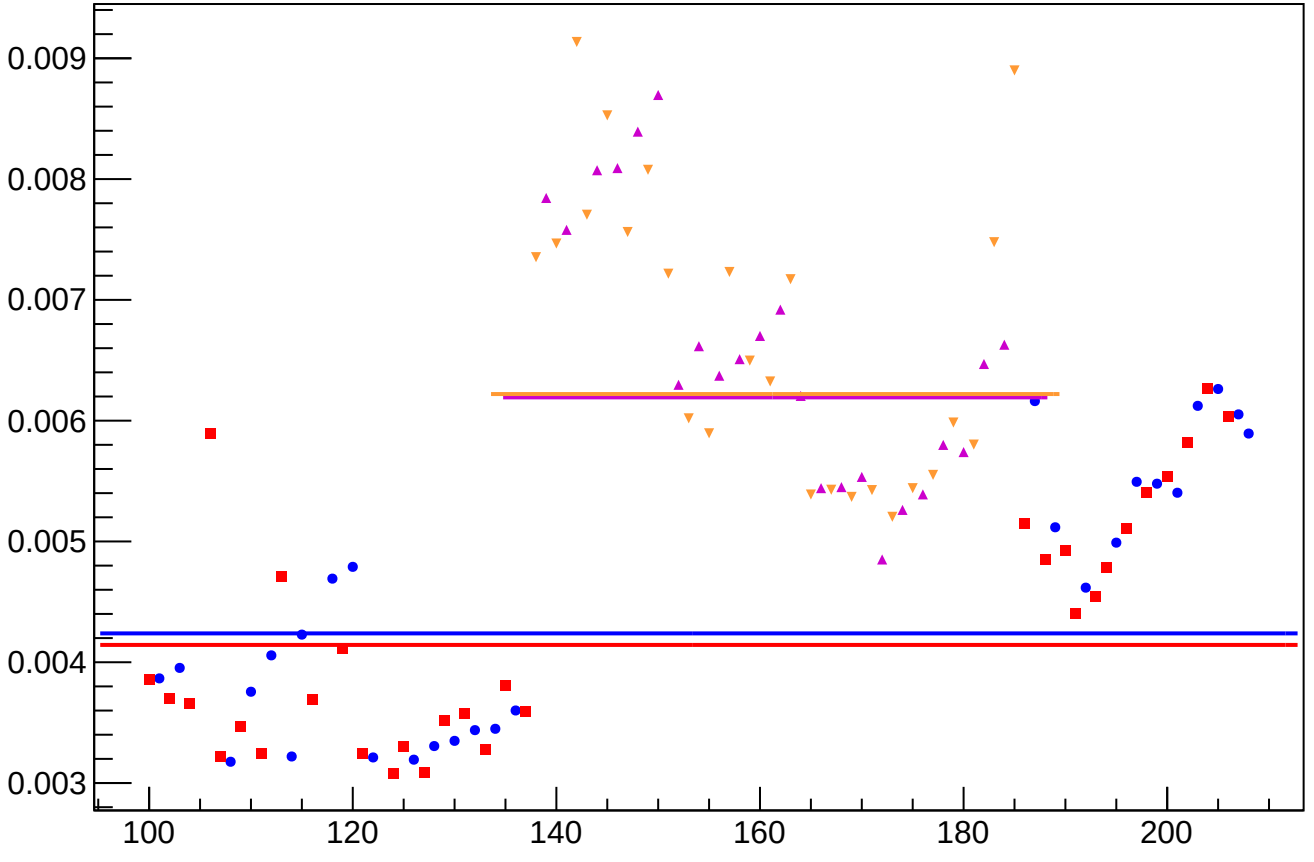
Right: 0.316+/-0.000 χ^2/NDF: 2008178413864.8/57

In: 0.269+/-0.000 χ^2/NDF:1051126450288.8/49

Out: 0.292+/-0.000 χ^2/NDF:1152956888906.0/55

All: 0.281+/-0.000 χ^2/NDF: 2204426441977.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1592143.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1532707.1/30

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

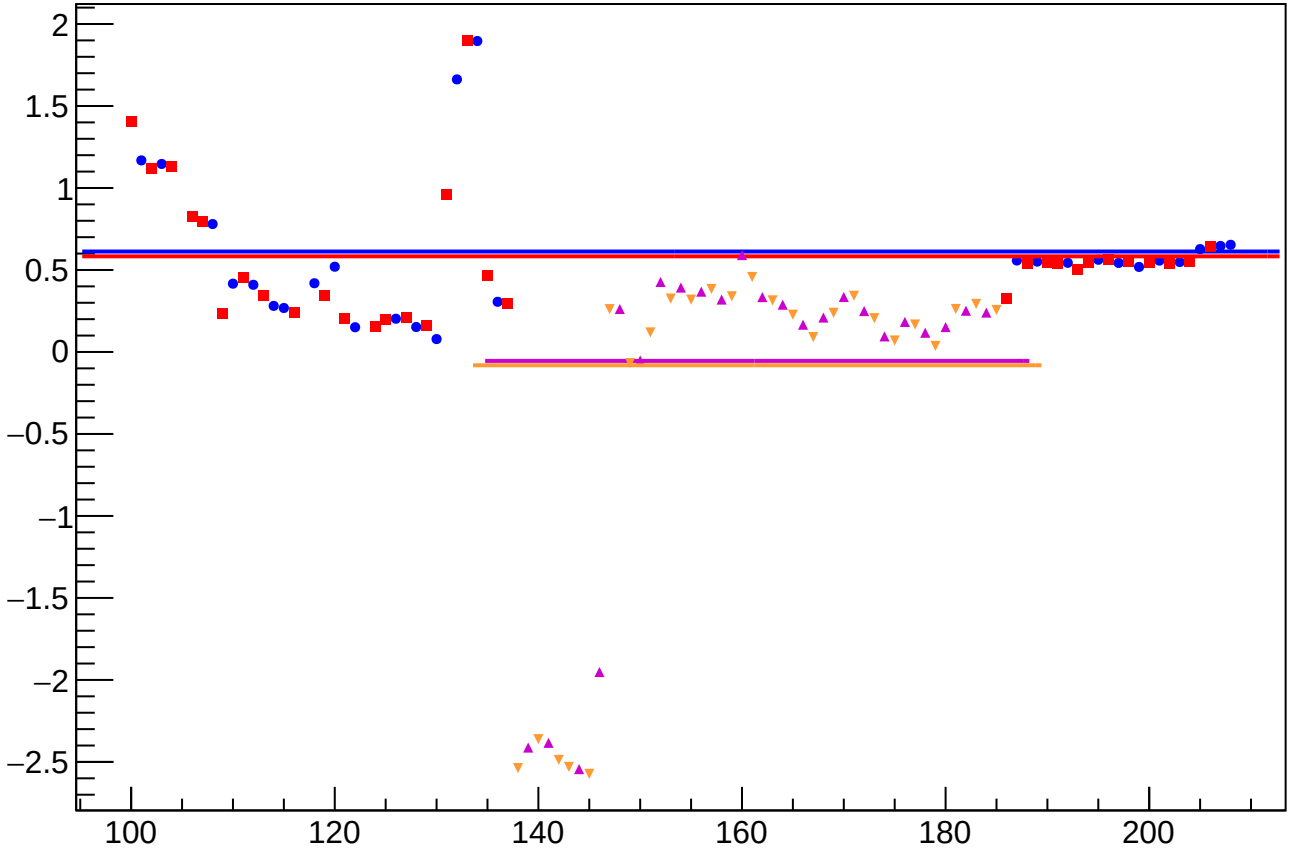
Right: 0.004+/-0.000 χ^2/NDF: 3132441.4/57

In: 0.005+/-0.000 χ^2/NDF:4485146.8/49

Out: 0.005+/-0.000 χ^2/NDF:4832732.0/55

All: 0.005+/-0.000 χ^2/NDF: 9325273.2/105

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.613+/-0.000 χ^2/NDF: 43949372626.0/26

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.583+/-0.000 χ^2/NDF: 44043059785.7/30

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

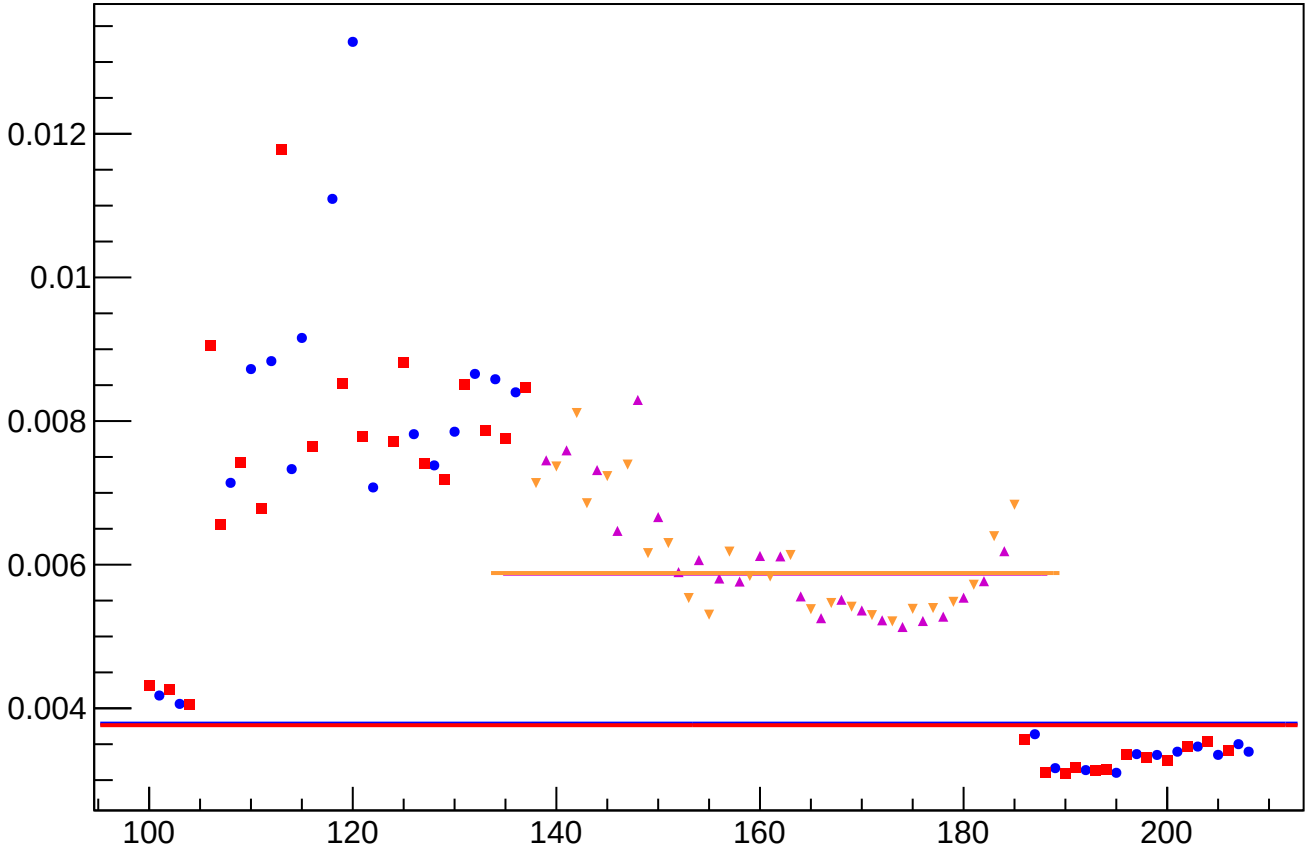
Right: 0.597+/-0.000 χ^2/NDF: 88391216264.4/57

In: 0.378+/-0.000 χ^2/NDF:530963509659.1/49

Out: 0.354+/-0.000 χ^2/NDF:578739301571.3/55

All: 0.366+/-0.000 χ^2/NDF: 1110130110757.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3467631.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3428715.6/30

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

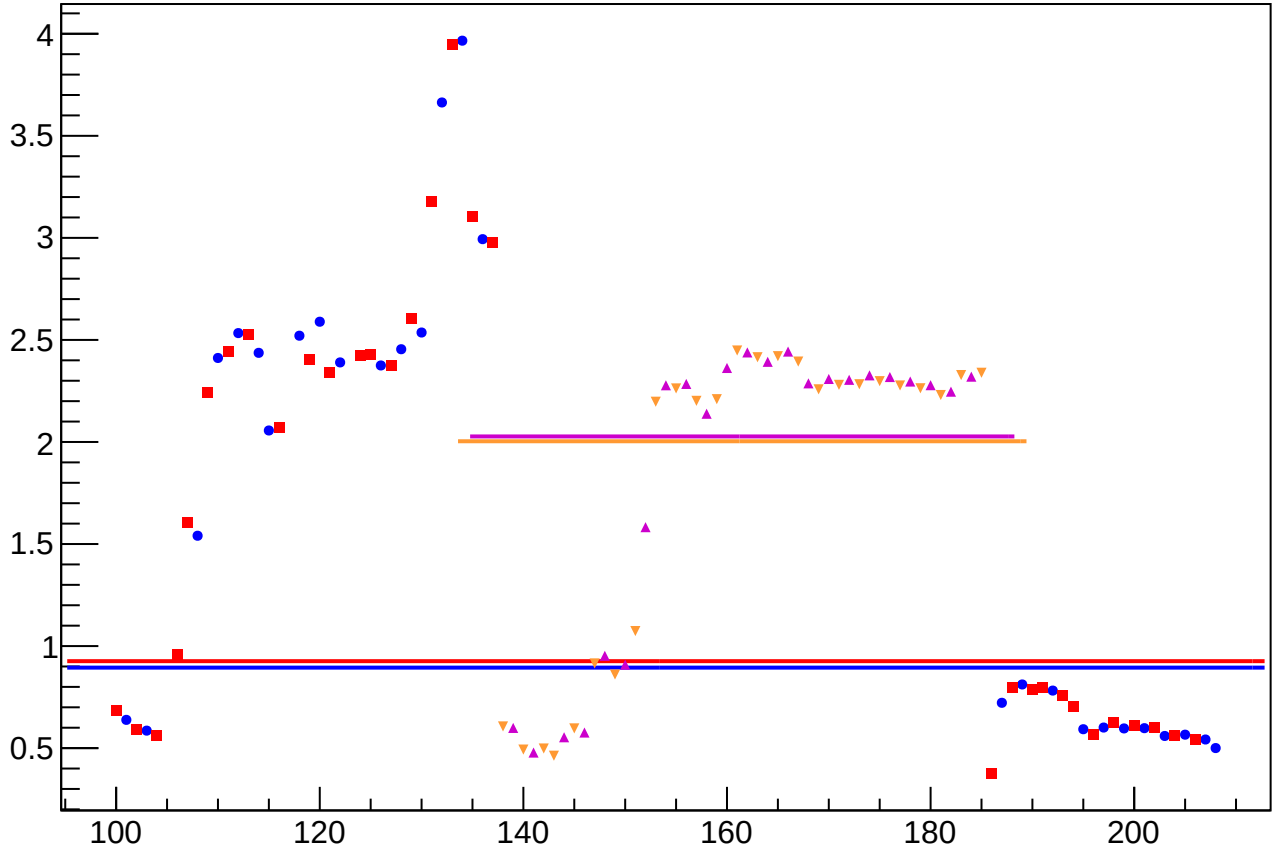
Right: 0.004+/-0.000 χ^2/NDF: 6896779.4/57

In: 0.005+/-0.000 χ^2/NDF:6731824.5/49

Out: 0.004+/-0.000 χ^2/NDF:6863259.0/55

All: 0.005+/-0.000 χ^2/NDF: 13595851.9/105

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 241772867723.6/26

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.926+/-0.000 χ^2/NDF: 267592257887.6/30

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

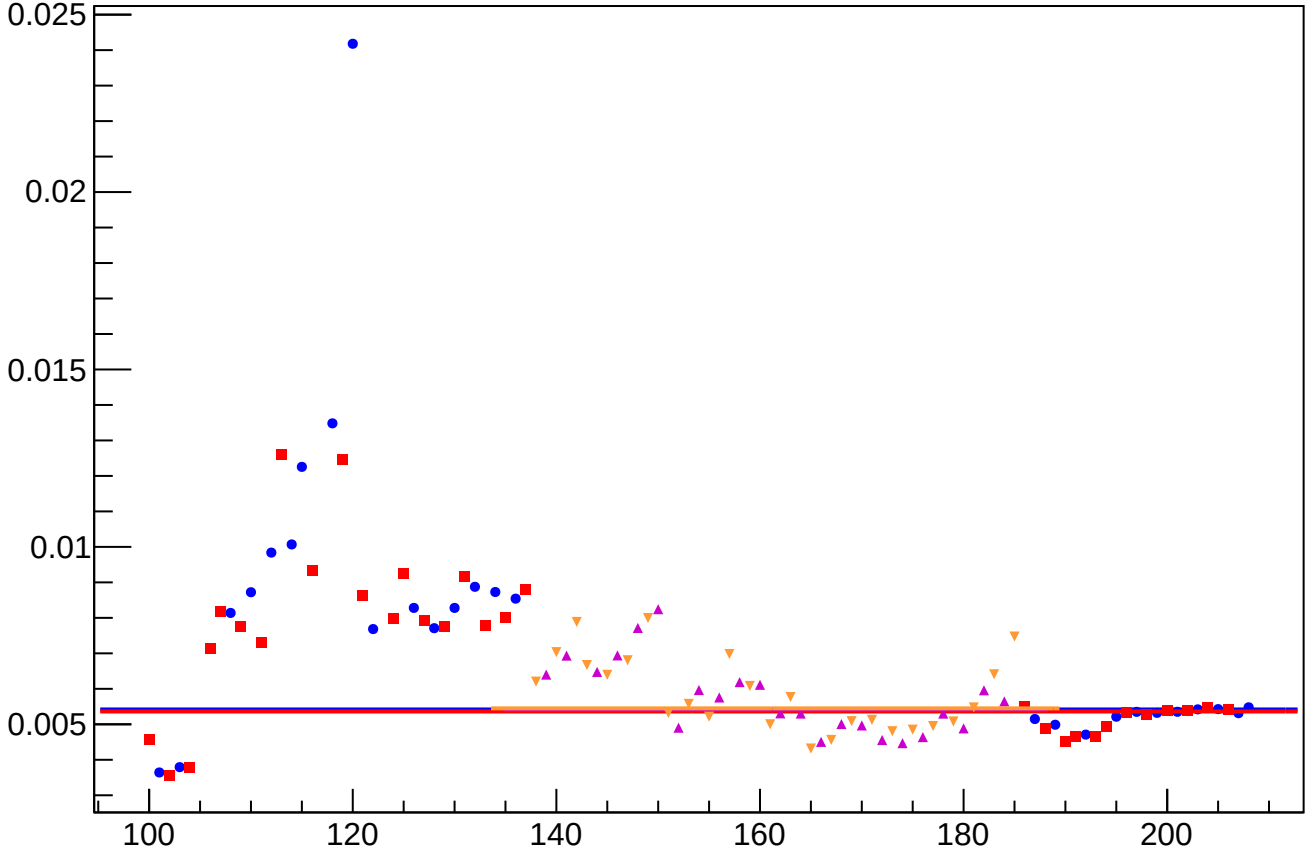
Right: 0.911+/-0.000 χ^2/NDF: 509599917777.1/57

In: 1.506+/-0.000 χ^2/NDF:749614495788.3/49

Out: 1.497+/-0.000 χ^2/NDF:787827290297.6/55

All: 1.502+/-0.000 χ^2/NDF: 1537488400606.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2308091.8/26

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125711.9/30

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

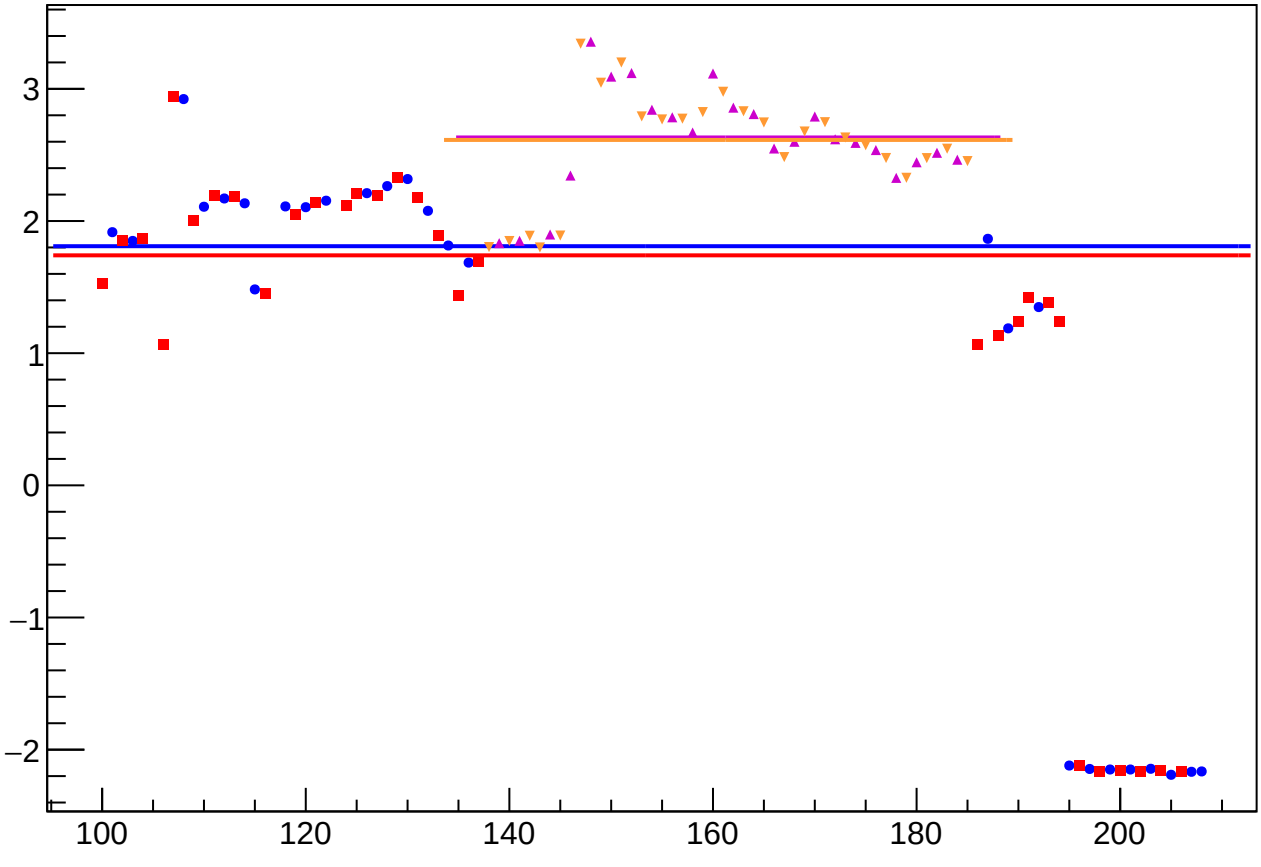
Right: 0.005+/-0.000 χ^2/NDF: 4435345.1/57

In: 0.005+/-0.000 χ^2/NDF:3123318.1/49

Out: 0.005+/-0.000 χ^2/NDF:2901125.7/55

All: 0.005+/-0.000 χ^2/NDF: 6024455.7/105

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.809+/-0.000 χ^2/NDF: 169385547043.4/26

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.740+/-0.000 χ^2/NDF: 143139406181.5/30

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

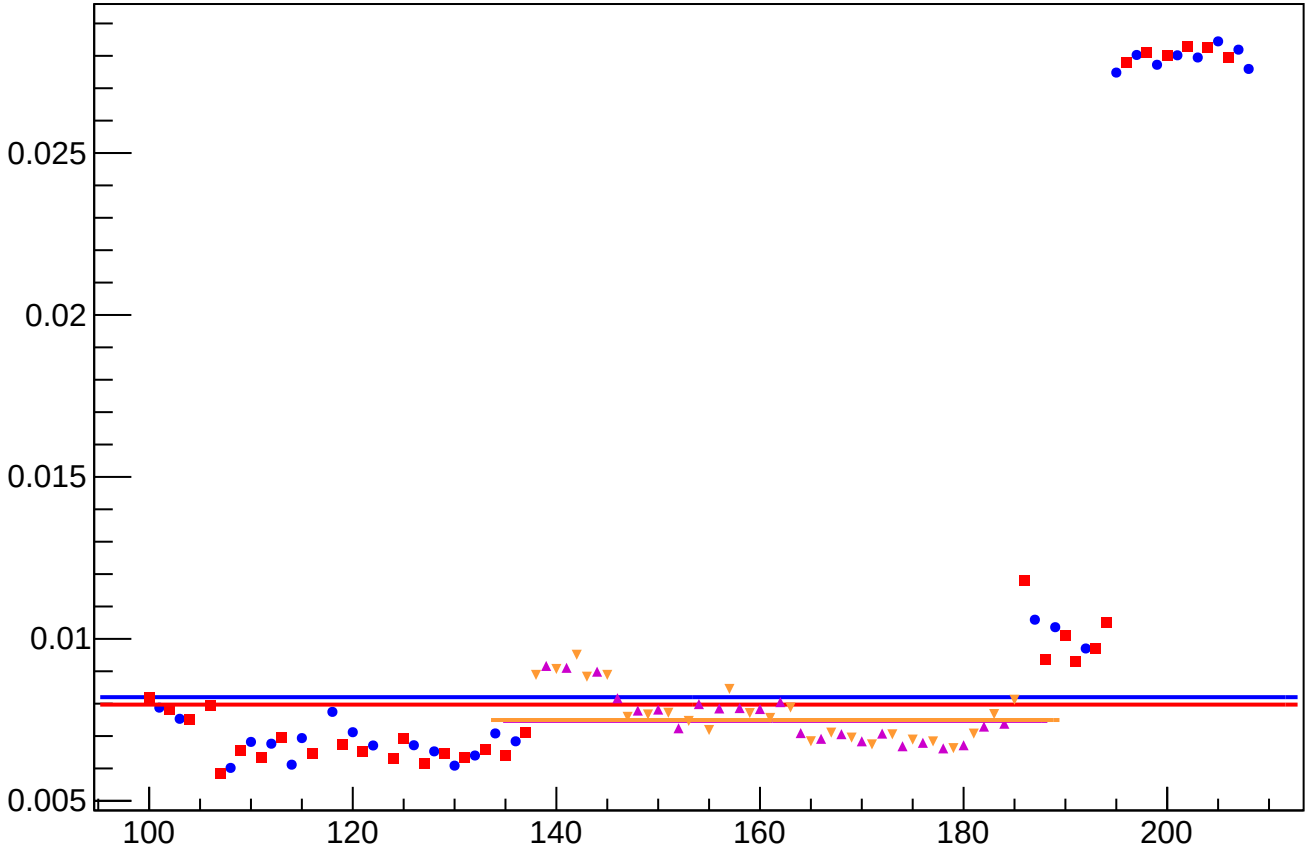
Right: 1.772+/-0.000 χ^2/NDF: 312968659908.9/57

In: 2.339+/-0.000 χ^2/NDF:284880586632.1/49

Out: 2.279+/-0.000 χ^2/NDF:283991396353.8/55

All: 2.307+/-0.000 χ^2/NDF: 569777032215.4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7648720.5/26

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6359080.1/30

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

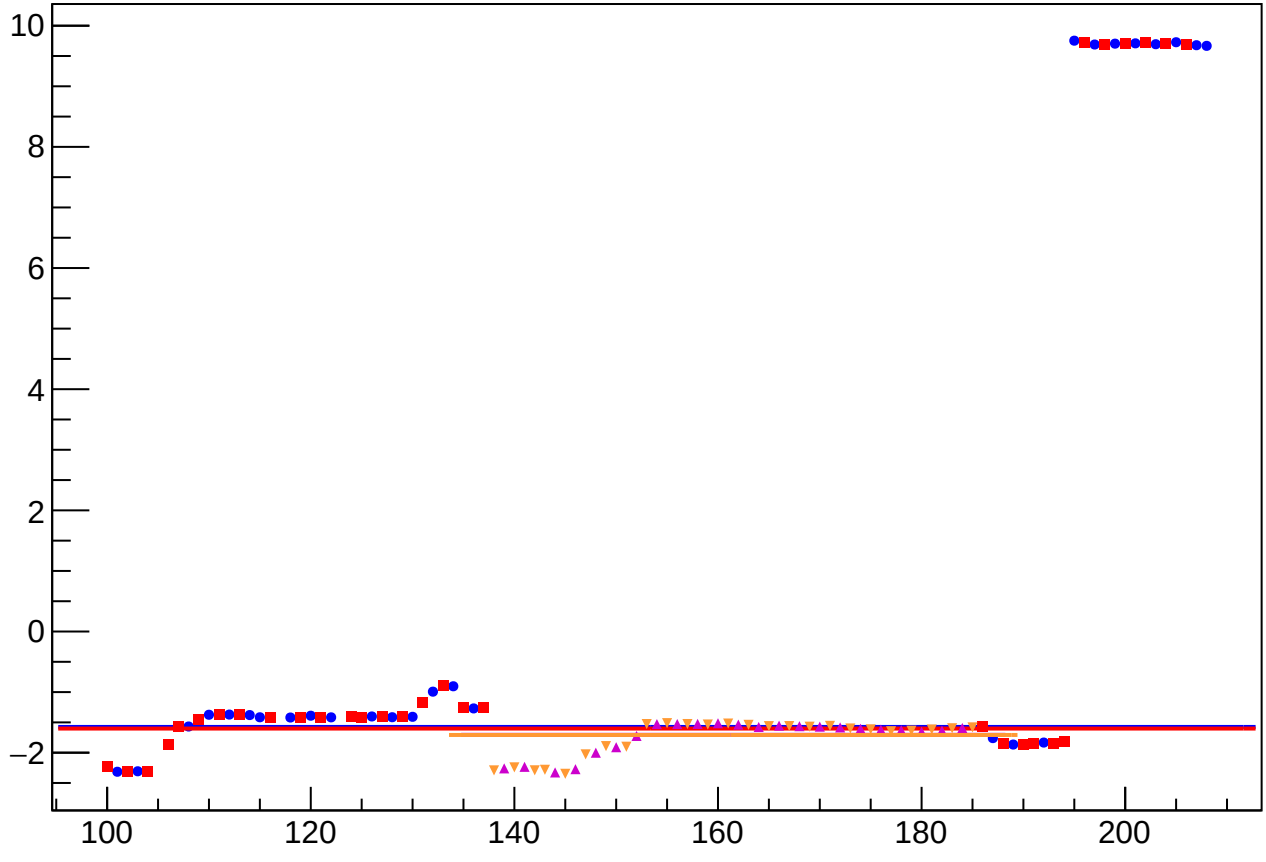
Right: 0.008+/-0.000 χ^2/NDF: 14017594.7/57

In: 0.008+/-0.000 χ^2/NDF:8089652.1/49

Out: 0.008+/-0.000 χ^2/NDF:6747845.8/55

All: 0.008+/-0.000 χ^2/NDF: 14838837.0/105

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.575+/-0.000 χ^2/NDF: 419971059038.9/26

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.602+/-0.000 χ^2/NDF: 375494251419.7/30

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

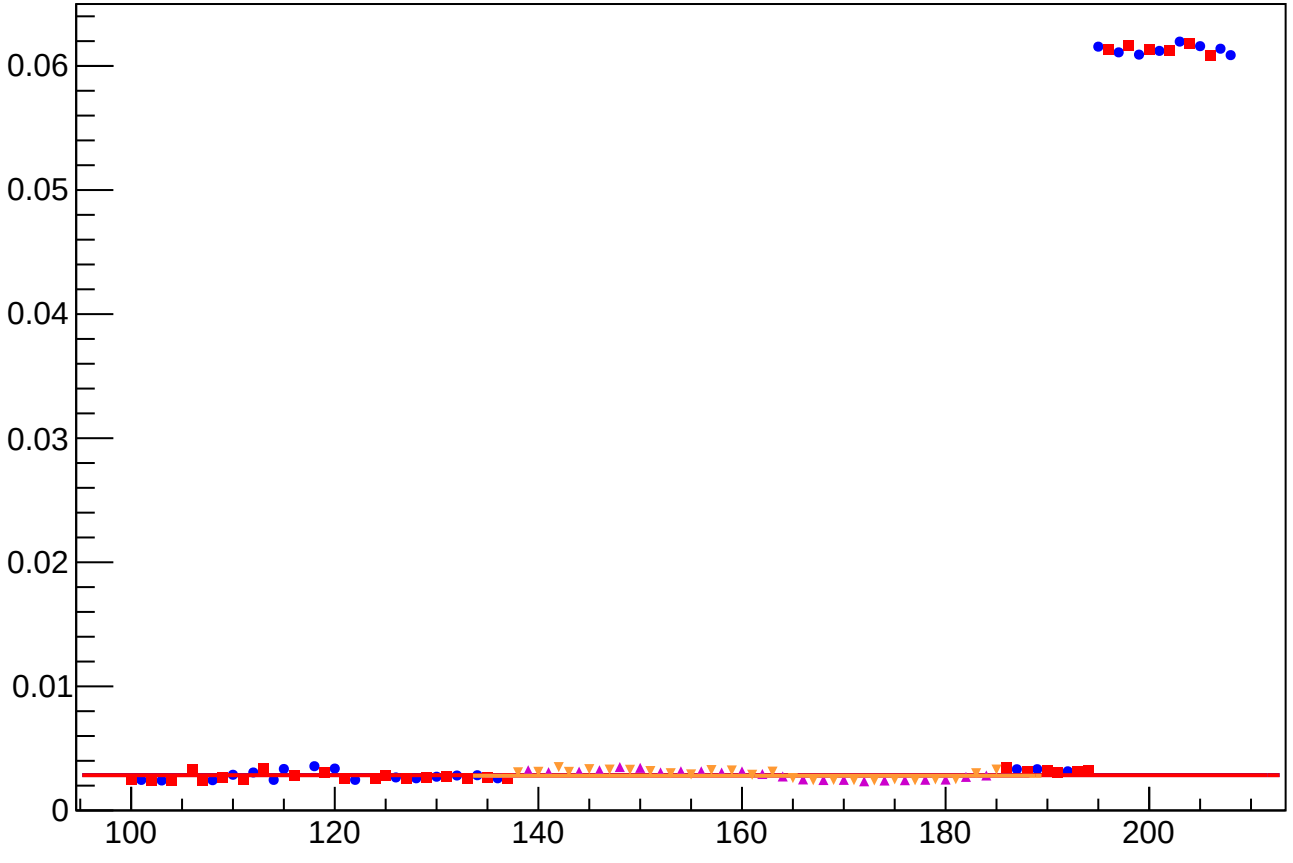
Right: -1.590+/-0.000 χ^2/NDF: 795889638095.0/57

In: -1.662+/-0.000 χ^2/NDF:568908257014.5/49

Out: -1.669+/-0.000 χ^2/NDF:536756171539.4/55

All: -1.666+/-0.000 χ^2/NDF: 1105739511326

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 12817416.0/26

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9943013.2/30

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

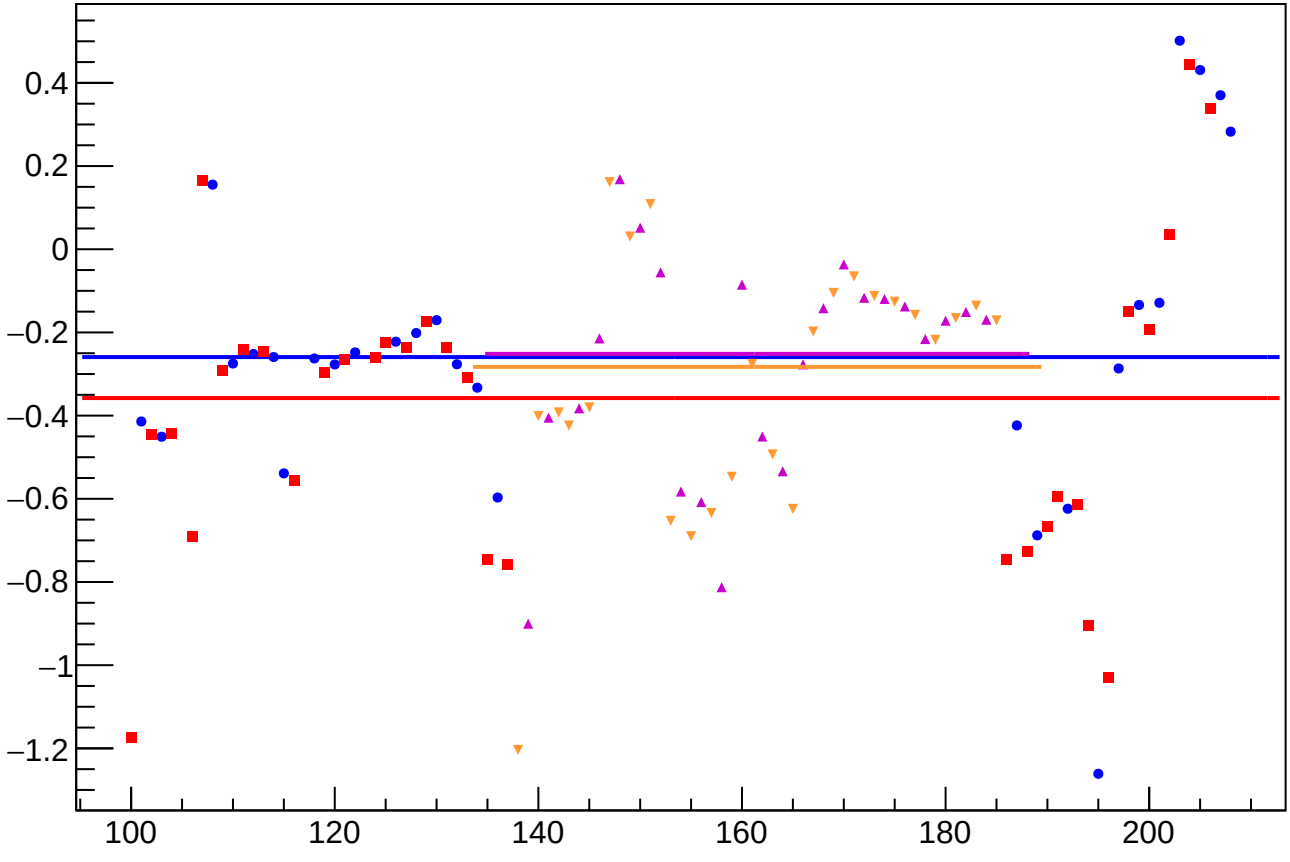
Right: 0.003+/-0.000 χ^2/NDF: 22760635.8/57

In: 0.003+/-0.000 χ^2/NDF:13381767.7/49

Out: 0.003+/-0.000 χ^2/NDF:10494162.9/55

All: 0.003+/-0.000 χ^2/NDF: 23876032.9/105

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.259+/-0.000 χ^2/NDF: 9149729416.3/26

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.358+/-0.000 χ^2/NDF: 8753352939.0/30

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

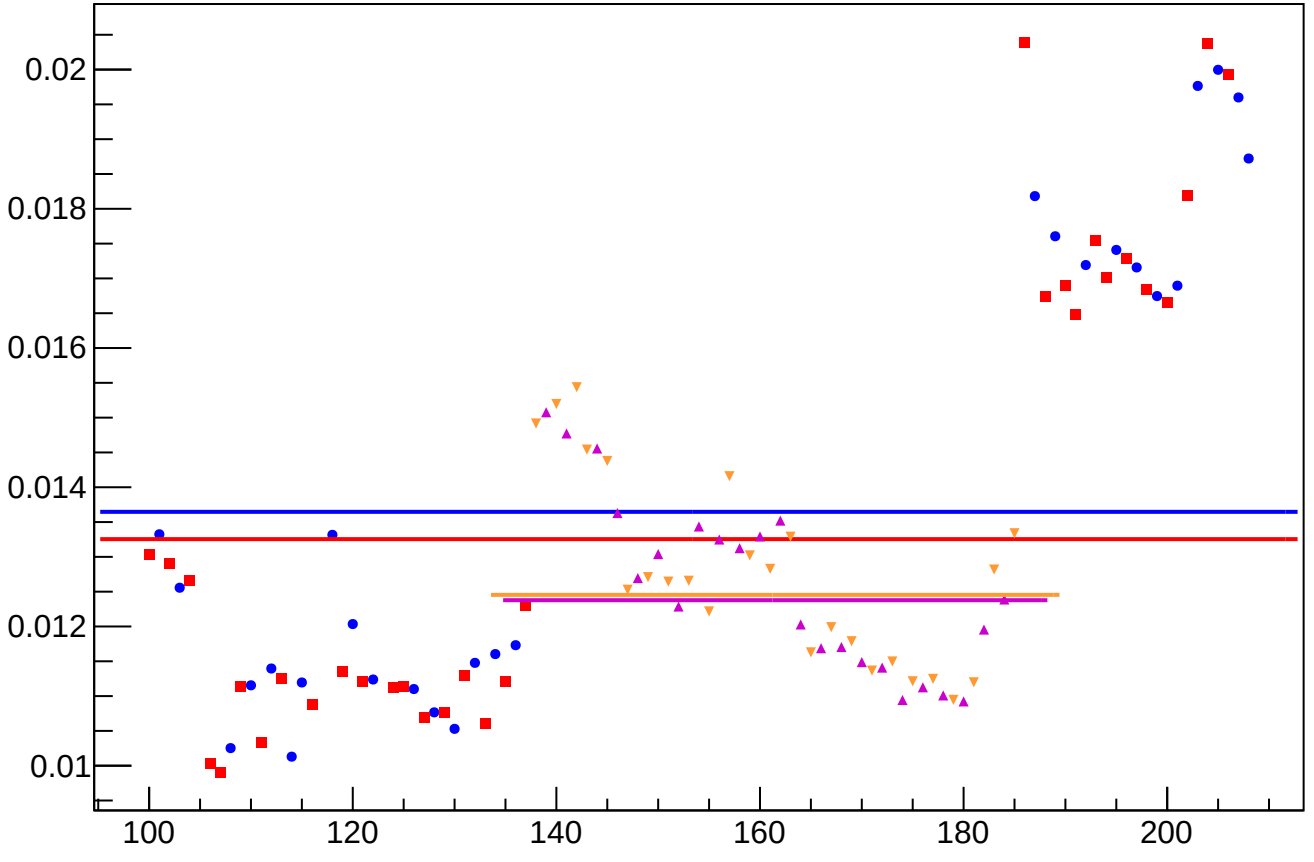
Right: -0.311+/-0.000 χ^2/NDF: 18299992020.0/57

In: -0.255+/-0.000 χ^2/NDF:16319839596.4/49

Out: -0.314+/-0.000 χ^2/NDF:18376161292.9/55

All: -0.286+/-0.000 χ^2/NDF: 35048363616.6/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1584695.7/26

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1765241.0/30

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

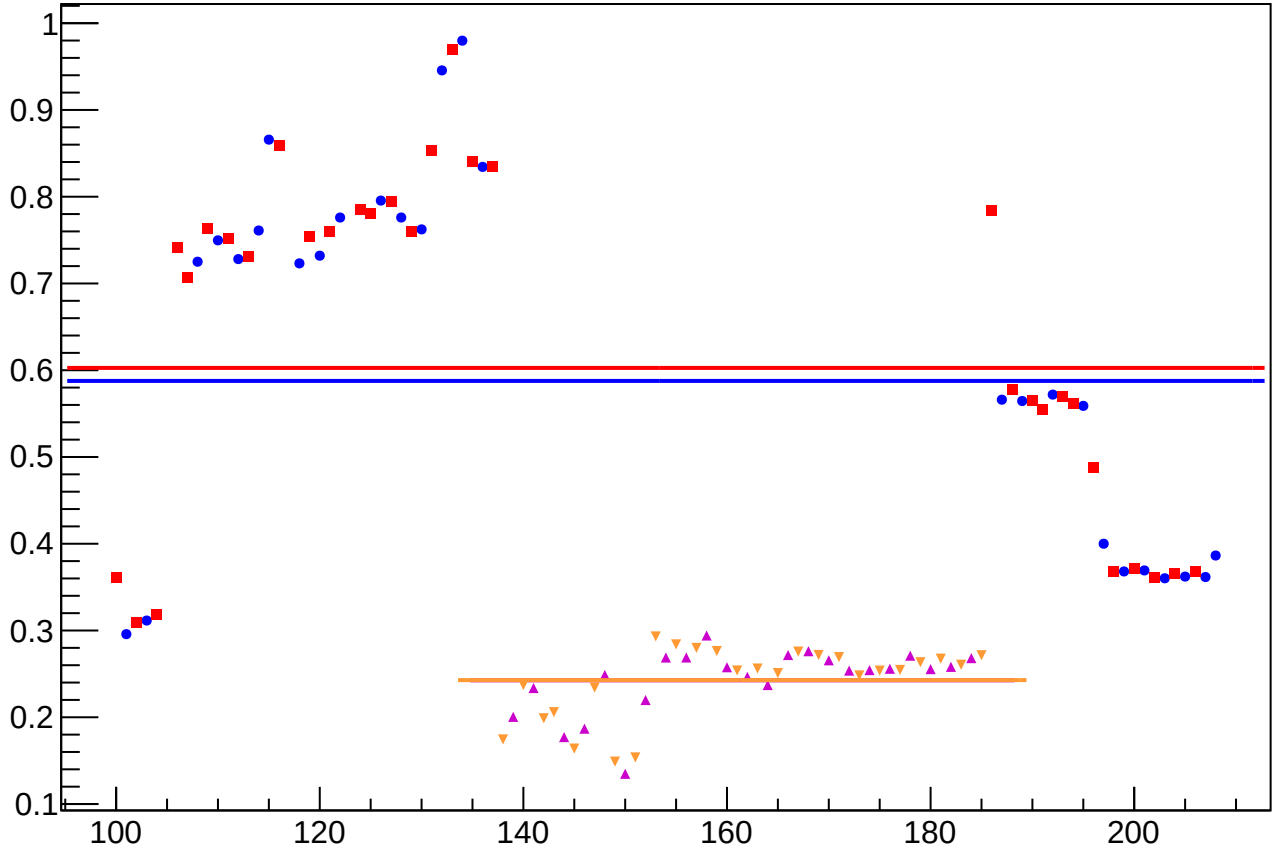
Right: 0.013+/-0.000 χ^2/NDF: 3362508.4/57

In: 0.013+/-0.000 χ^2/NDF:2060201.1/49

Out: 0.013+/-0.000 χ^2/NDF:2170403.3/55

All: 0.013+/-0.000 χ^2/NDF: 4232698.7/105

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.588+/-0.000 χ^2/NDF: 93508214211.8/26

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.603+/-0.000 χ^2/NDF: 85499510757.2/30

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

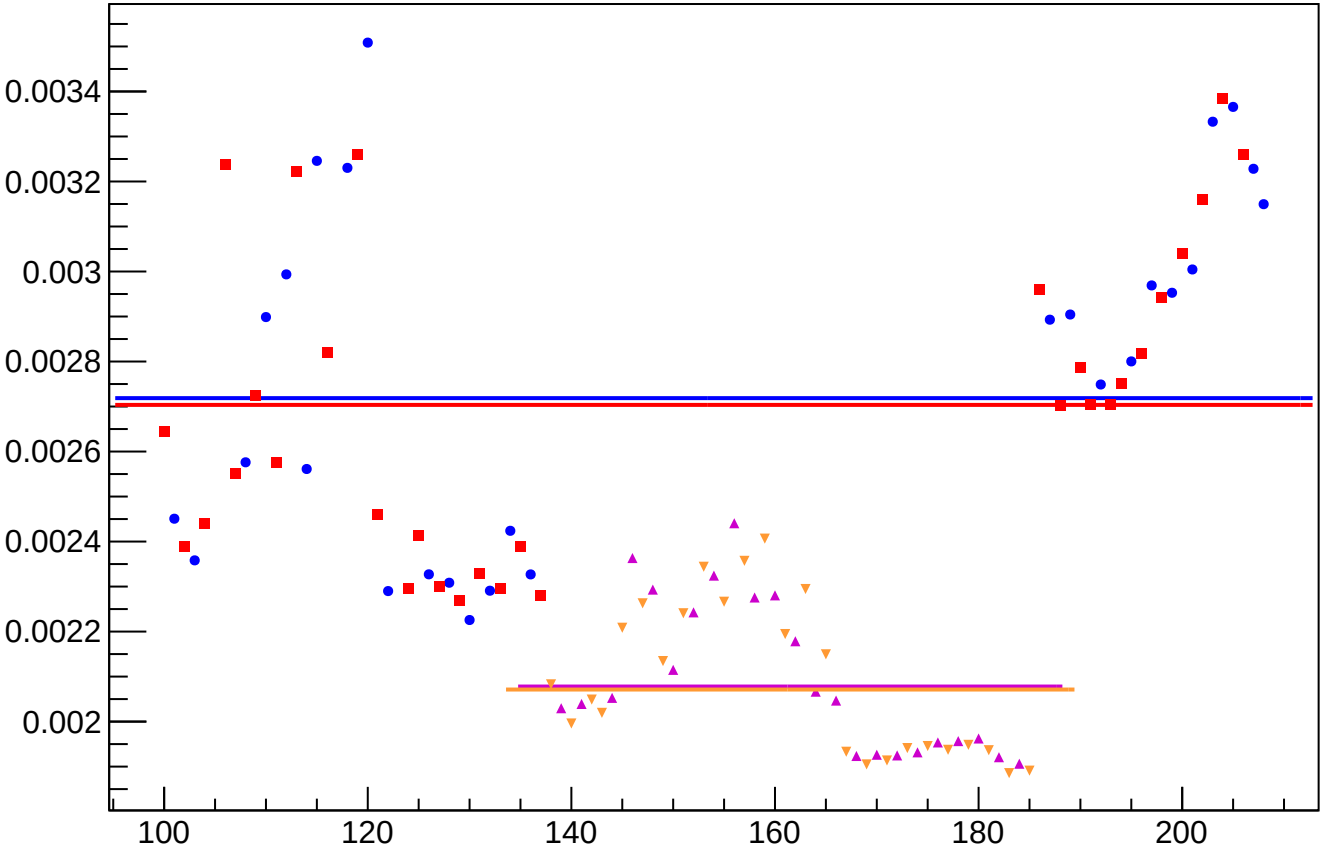
Right: 0.595+/-0.000 χ^2/NDF: 179242043996.1/57

In: 0.355+/-0.000 χ^2/NDF:262219434233.3/49

Out: 0.360+/-0.000 χ^2/NDF:279916445533.4/55

All: 0.358+/-0.000 χ^2/NDF: 542197731647.3

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 581273.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 471848.6/30

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

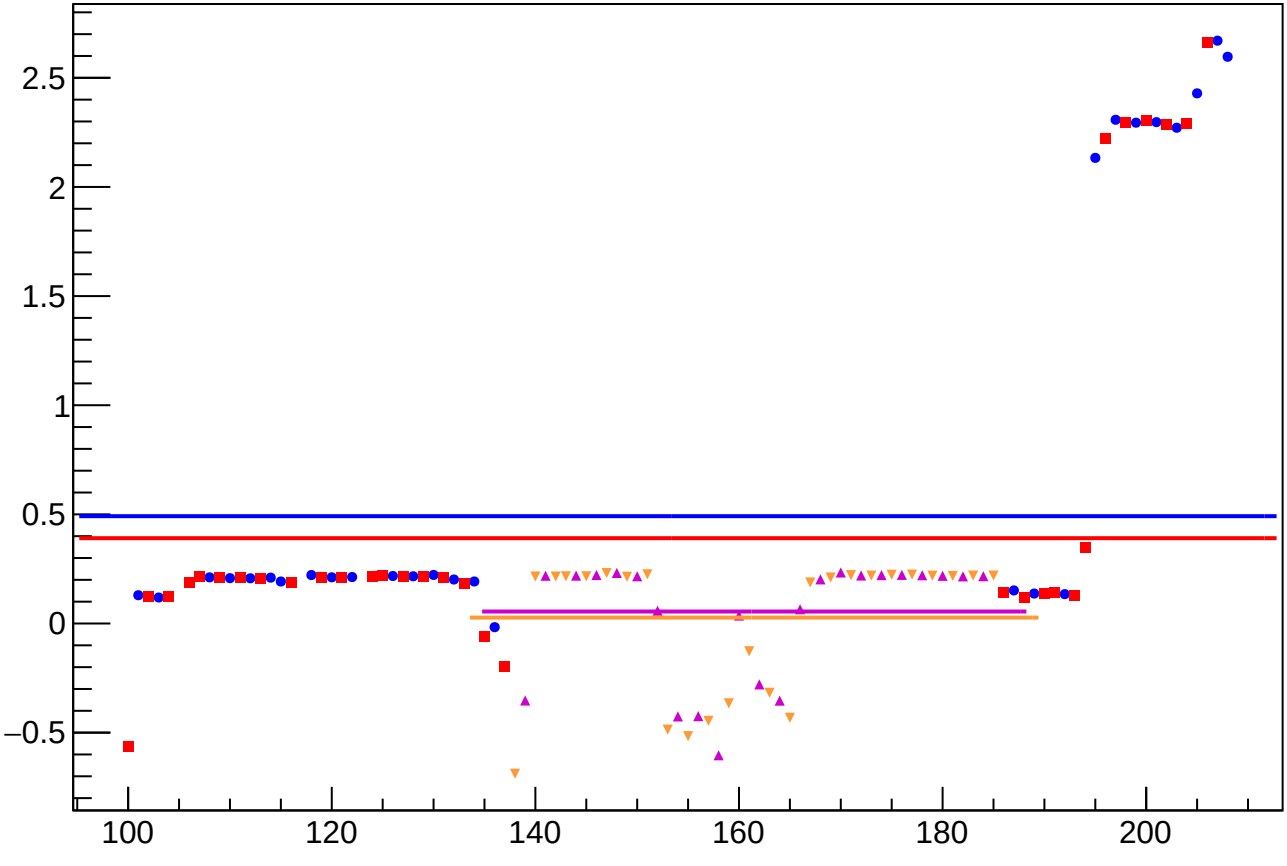
Right: 0.003+/-0.000 χ^2/NDF: 1053593.2/57

In: 0.002+/-0.000 χ^2/NDF:1916360.8/49

Out: 0.002+/-0.000 χ^2/NDF:1861432.8/55

All: 0.002+/-0.000 χ^2/NDF: 3778503.6/105

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.492+/-0.000 χ^2/NDF: 55251697344.2/26

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.391+/-0.000 χ^2/NDF: 46202043865.5/30

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

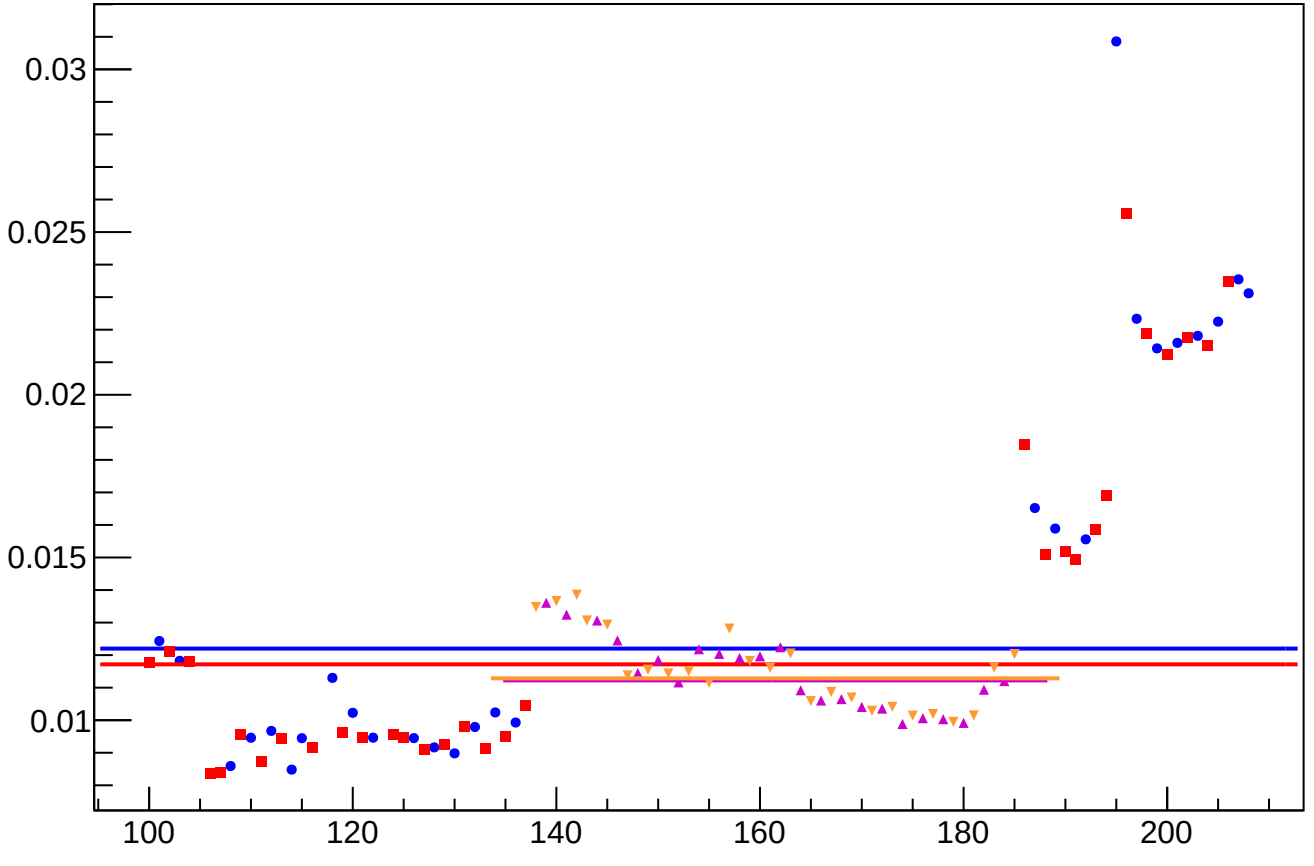
Right: 0.438+/-0.000 χ^2/NDF: 101941518337.5/57

In: 0.227+/-0.000 χ^2/NDF:75329133762.5/49

Out: 0.179+/-0.000 χ^2/NDF:67121407603.0/55

All: 0.202+/-0.000 χ^2/NDF: 142726769022.9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 4170927.6/26

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3813418.0/30

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

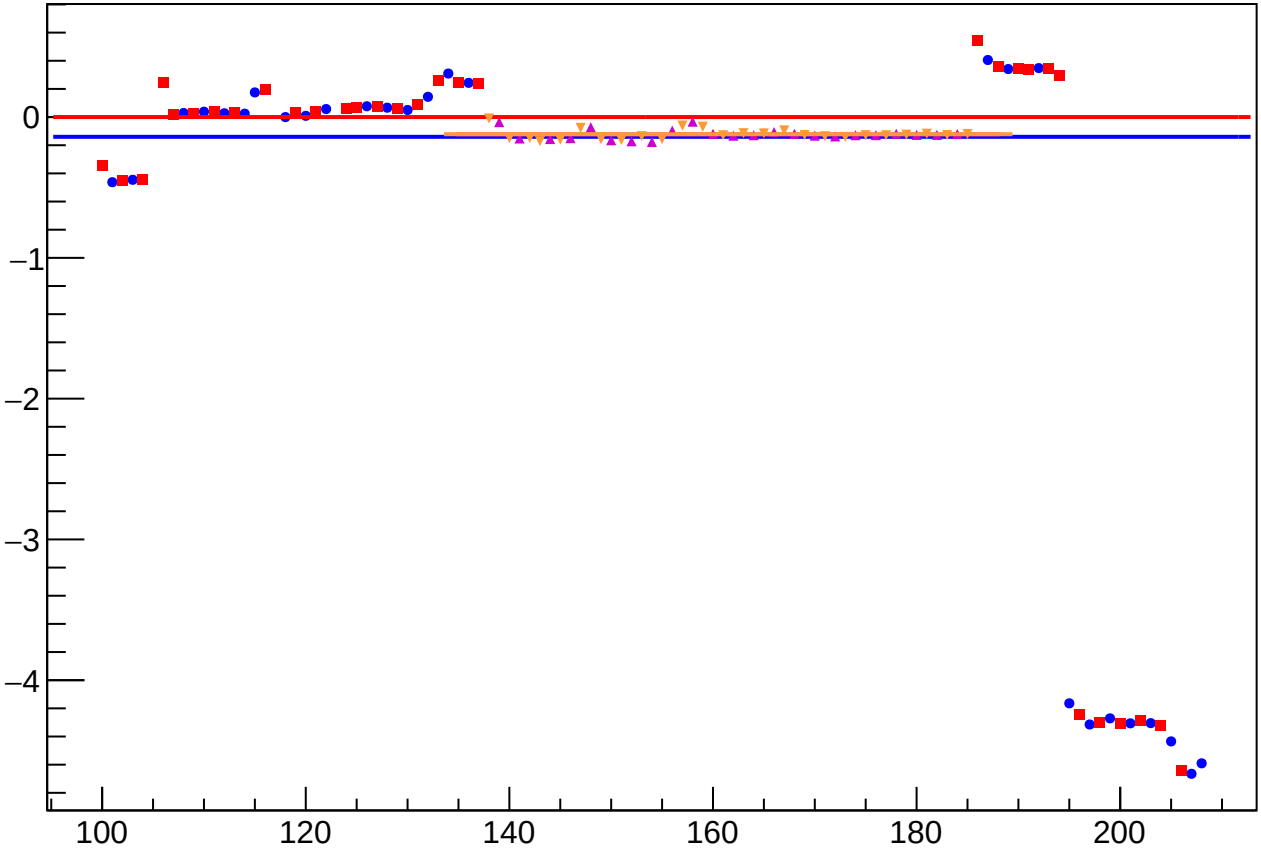
Right: 0.012+/-0.000 χ^2/NDF: 8006927.0/57

In: 0.012+/-0.000 χ^2/NDF:4590241.4/49

Out: 0.011+/-0.000 χ^2/NDF:4163800.2/55

All: 0.012+/-0.000 χ^2/NDF: 8758883.9/105

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.140+/-0.000 χ^2/NDF: 391320685643.5/26

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 341680073955.0/30

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

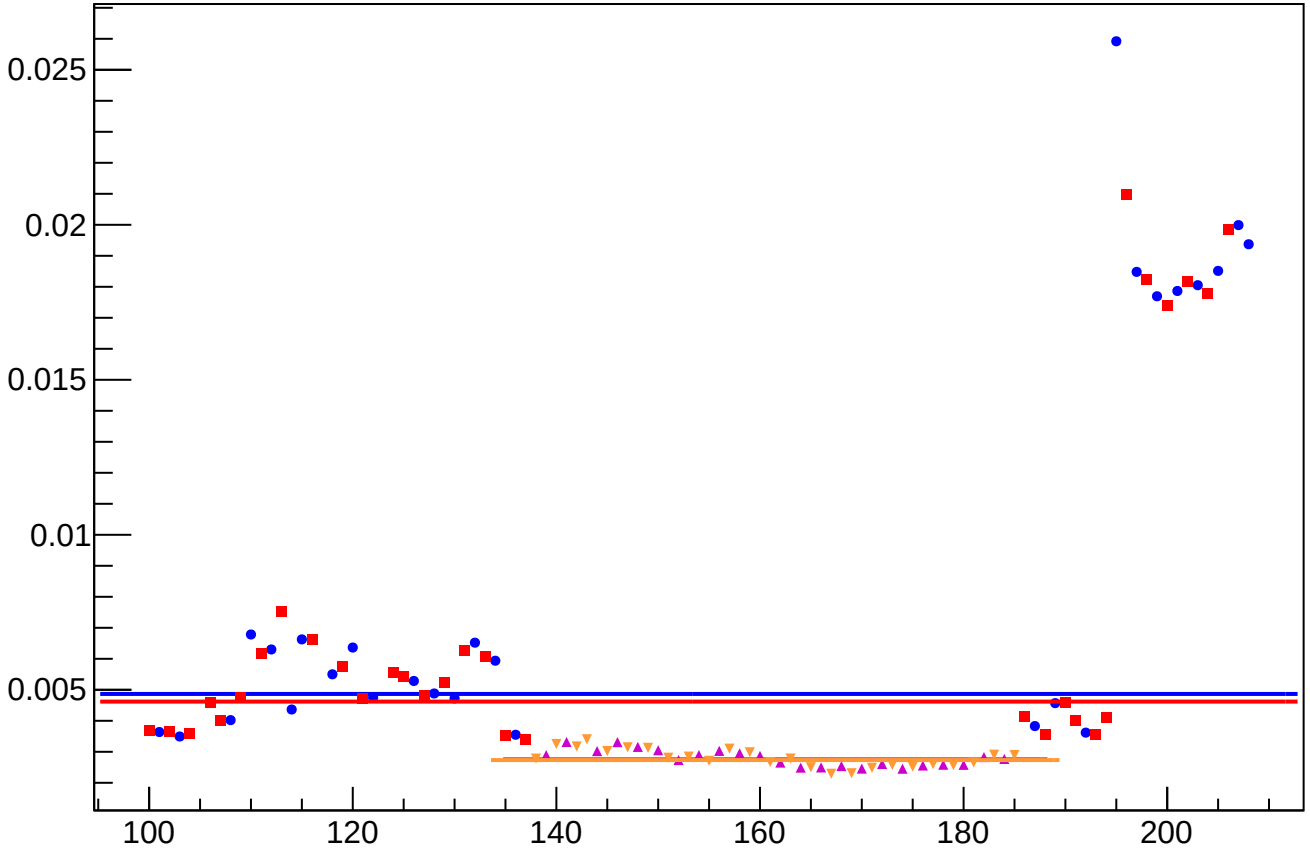
Right: -0.062+/-0.000 χ^2/NDF: 737856300635.8/57

In: -0.126+/-0.000 χ^2/NDF:394231904280.4/49

Out: -0.099+/-0.000 χ^2/NDF:351312204908.7/55

All: -0.112+/-0.000 χ^2/NDF: 746587435113.8

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 8750456.1/26

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7015888.1/30

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

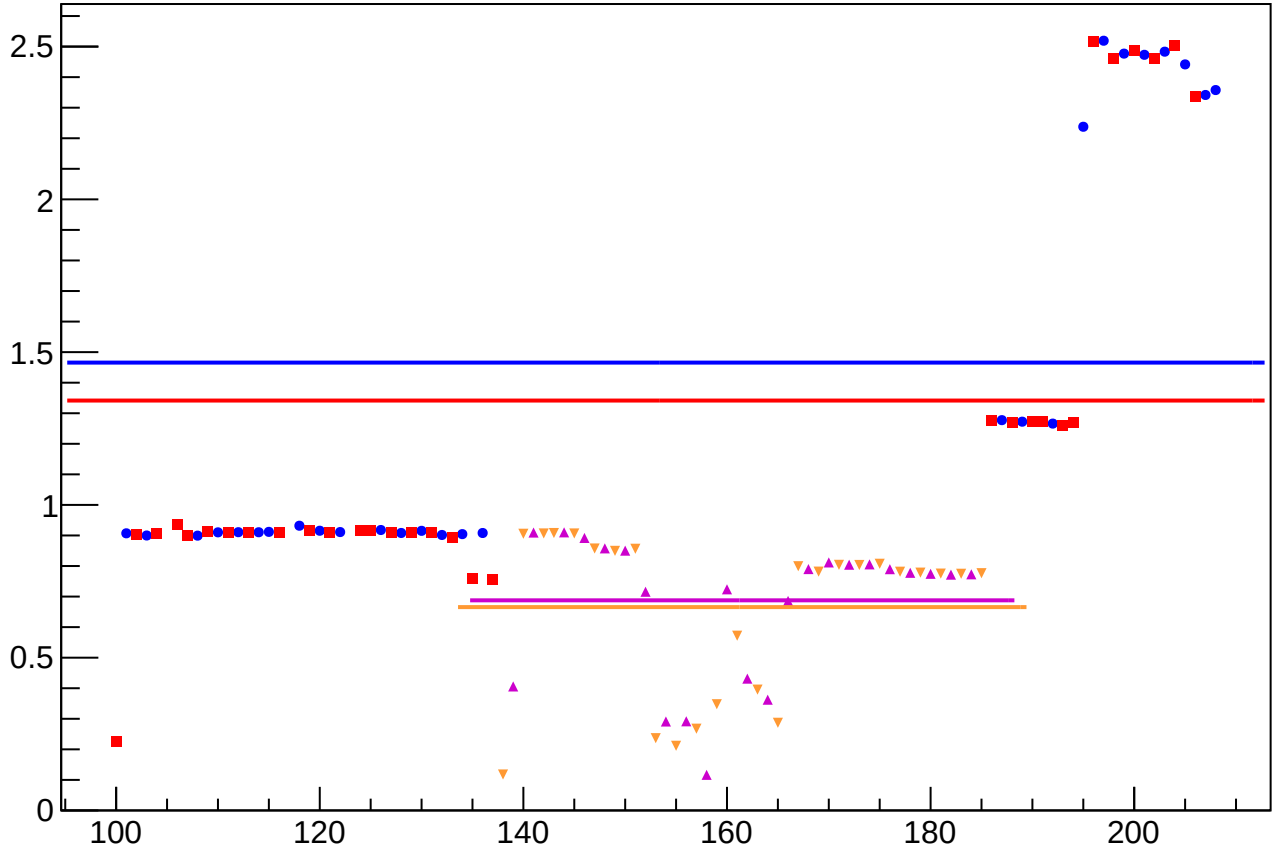
Right: 0.005+/-0.000 χ^2/NDF: 15796455.1/57

In: 0.003+/-0.000 χ^2/NDF:12361317.9/49

Out: 0.003+/-0.000 χ^2/NDF:10623006.4/55

All: 0.003+/-0.000 χ^2/NDF: 22985521.0/105

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.466+/-0.000 χ^2/NDF: 49733904752.9/26

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.342+/-0.000 χ^2/NDF: 46378264196.3/30

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

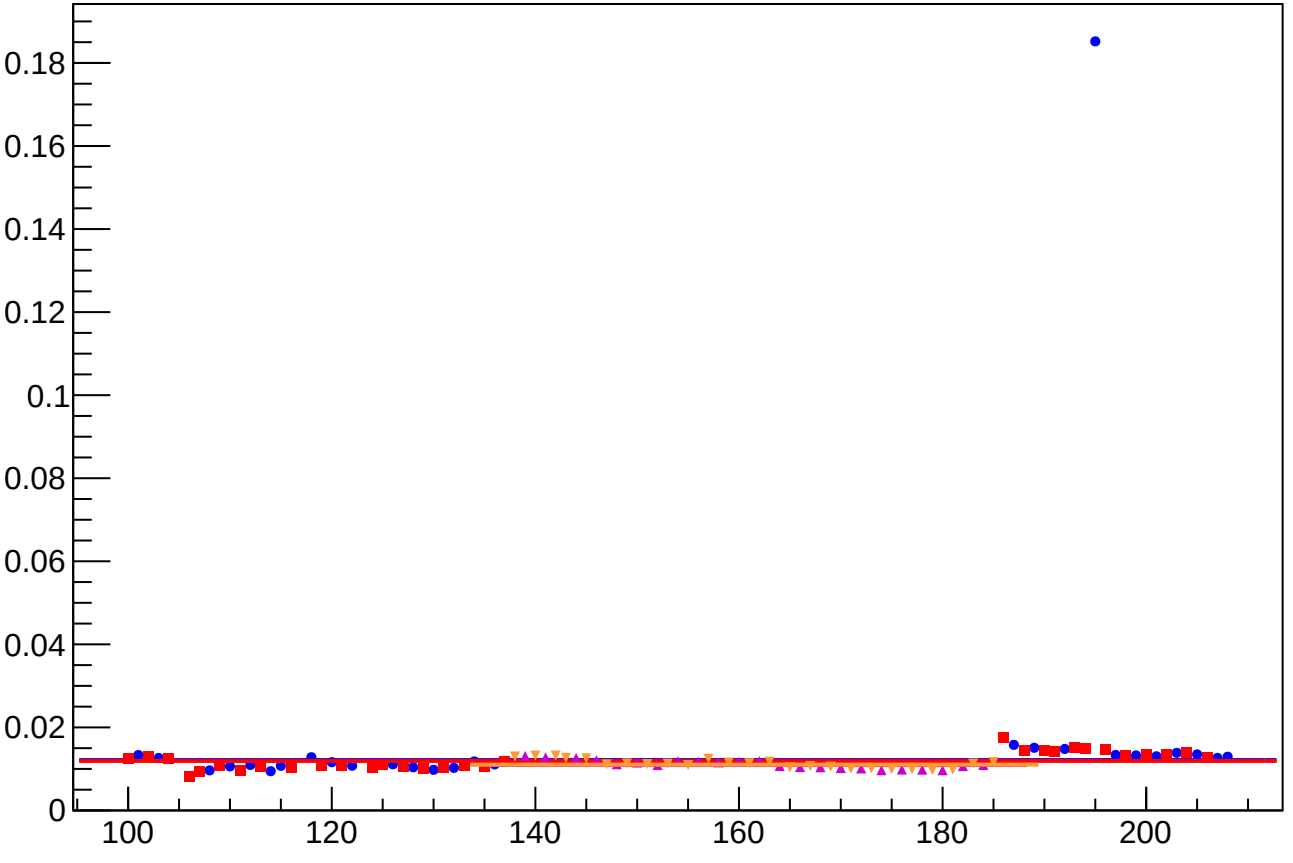
Right: 1.401+/-0.000 χ^2/NDF: 96895058156.5/57

In: 1.000+/-0.000 χ^2/NDF:92030191180.7/49

Out: 0.944+/-0.000 χ^2/NDF:84069281116.9/55

All: 0.971+/-0.000 χ^2/NDF: 176498449450.7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2006658.9/26

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 786967.3/30

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

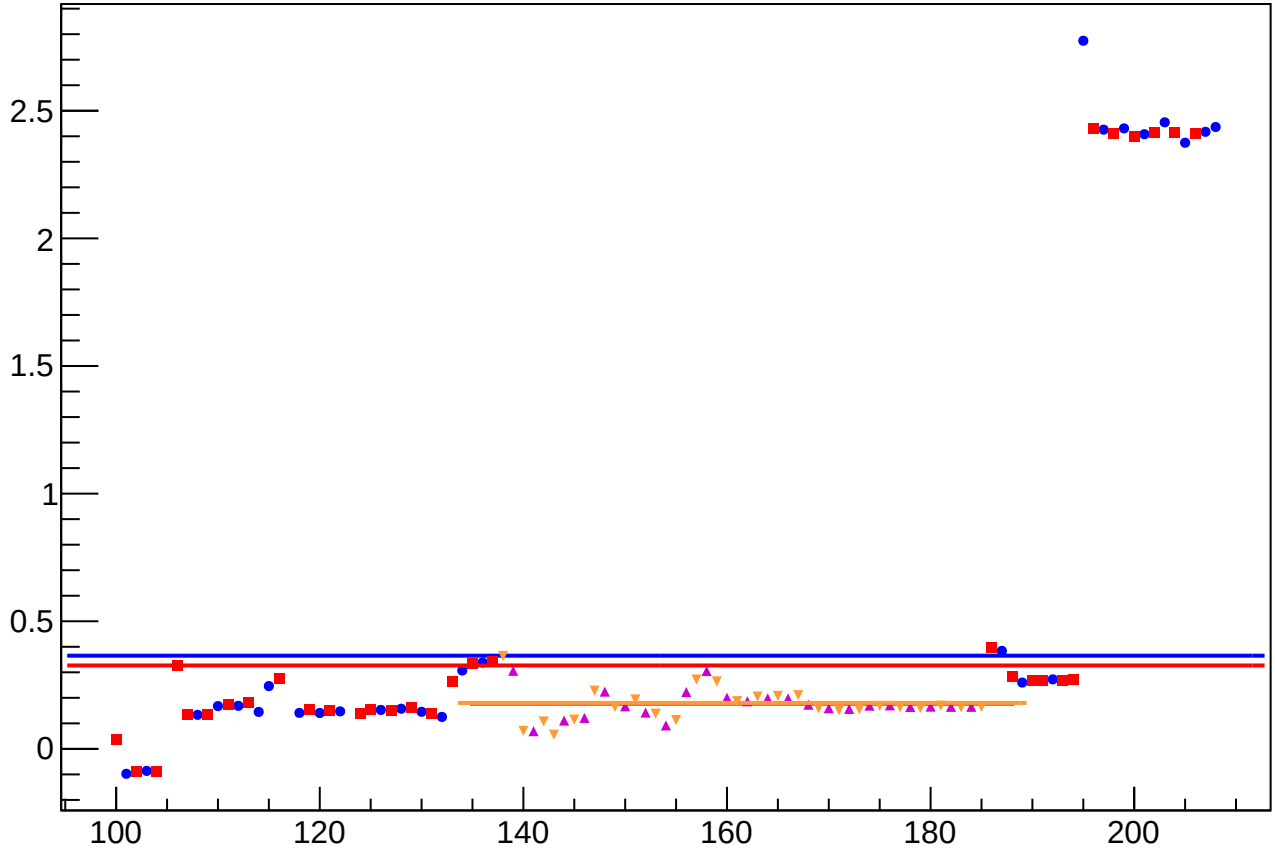
Right: 0.012+/-0.000 χ^2/NDF: 2797756.2/57

In: 0.011+/-0.000 χ^2/NDF:2452469.7/49

Out: 0.011+/-0.000 χ^2/NDF:1187144.4/55

All: 0.011+/-0.000 χ^2/NDF: 3639903.6/105

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.365+/-0.000 χ^2/NDF: 175854787908.4/26

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.327+/-0.000 χ^2/NDF: 140811633874.6/30

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

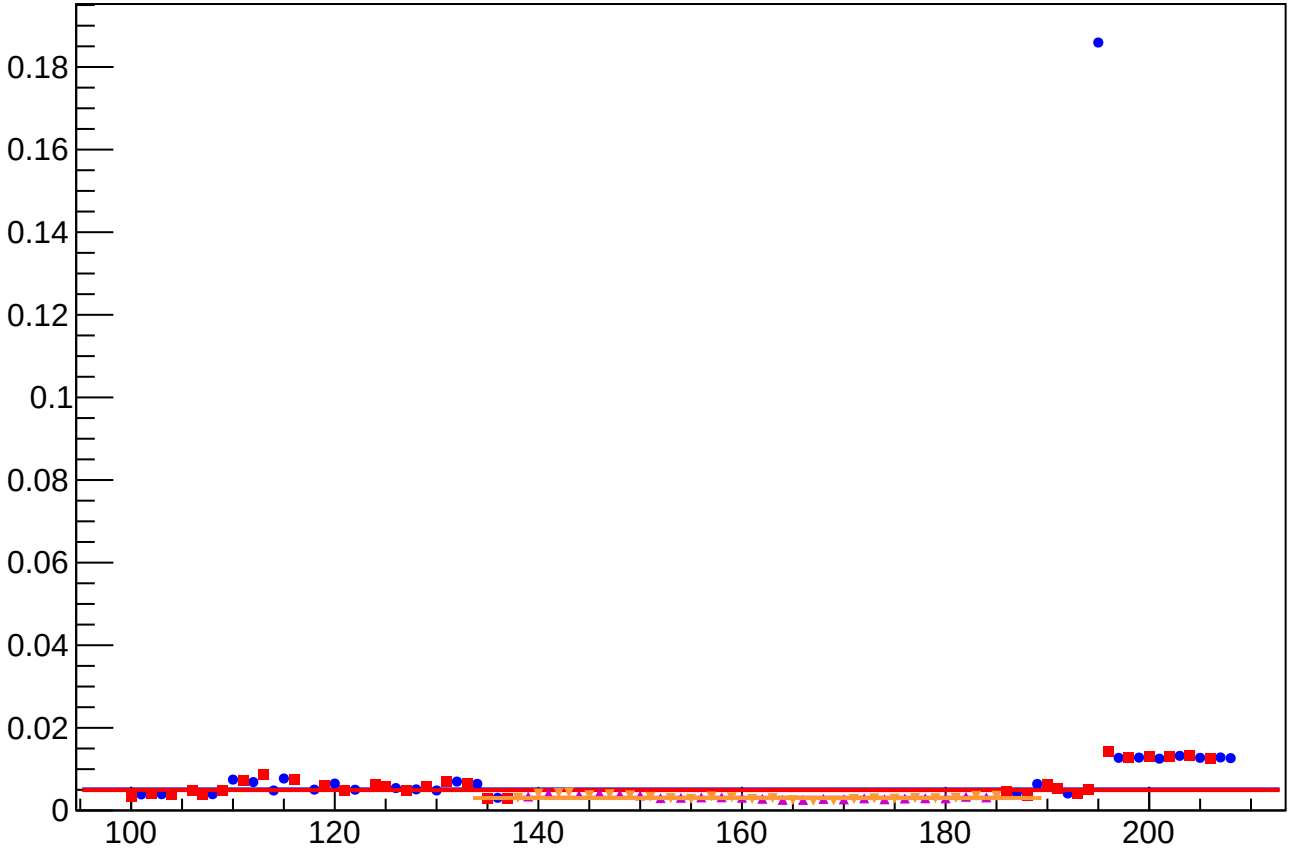
Right: 0.345+/-0.000 χ^2/NDF: 316995824378.5/57

In: 0.213+/-0.000 χ^2/NDF:192416968010.3/49

Out: 0.209+/-0.000 χ^2/NDF:155657165253.4/55

All: 0.211+/-0.000 χ^2/NDF: 348090353726.2

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7331137.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5254901.4/30

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

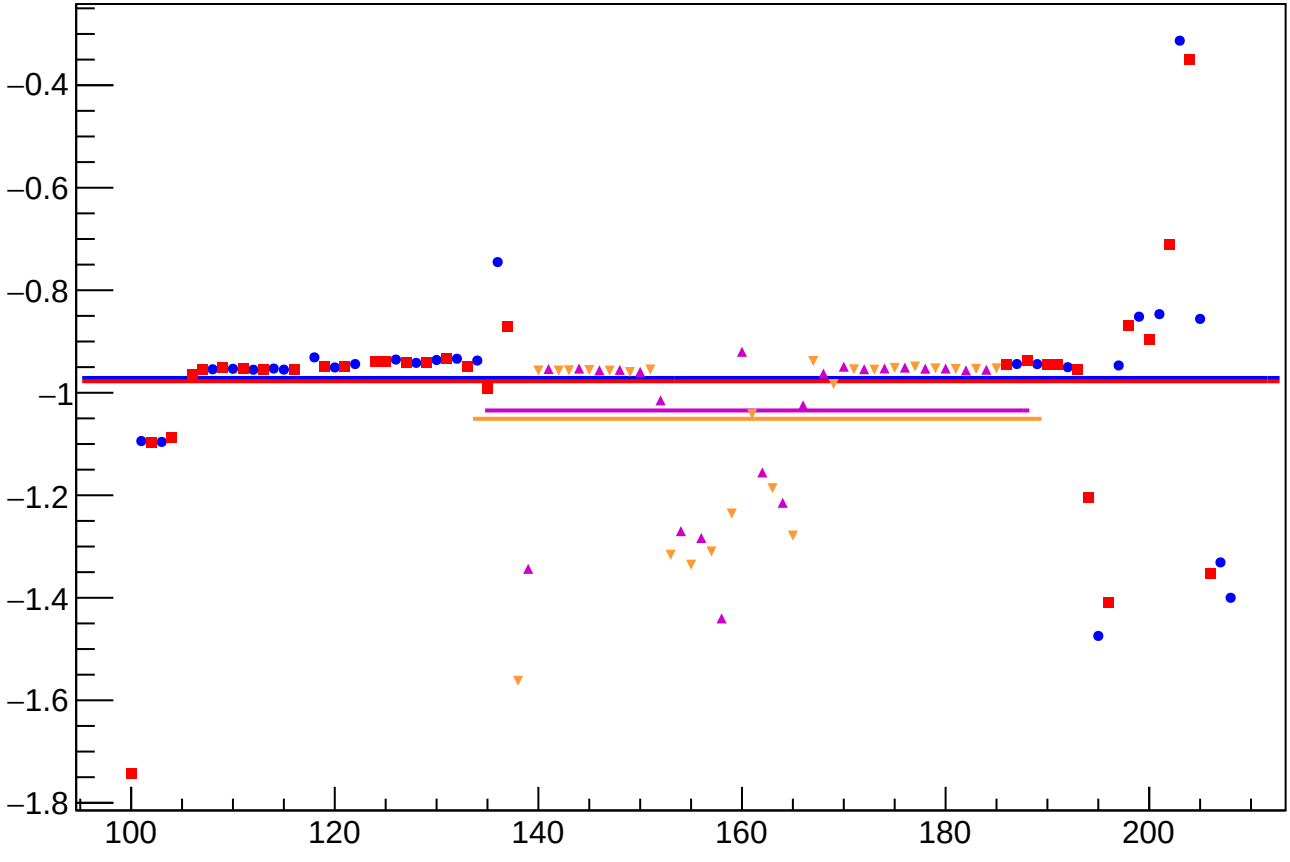
Right: 0.005+/-0.000 χ^2/NDF: 12598631.9/57

In: 0.003+/-0.000 χ^2/NDF:10684904.3/49

Out: 0.003+/-0.000 χ^2/NDF:9037511.8/55

All: 0.003+/-0.000 χ^2/NDF: 19735026.3/105

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.971+/-0.000 χ^2/NDF: 4883962735.9/26

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.978+/-0.000 χ^2/NDF: 4082143119.4/30

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

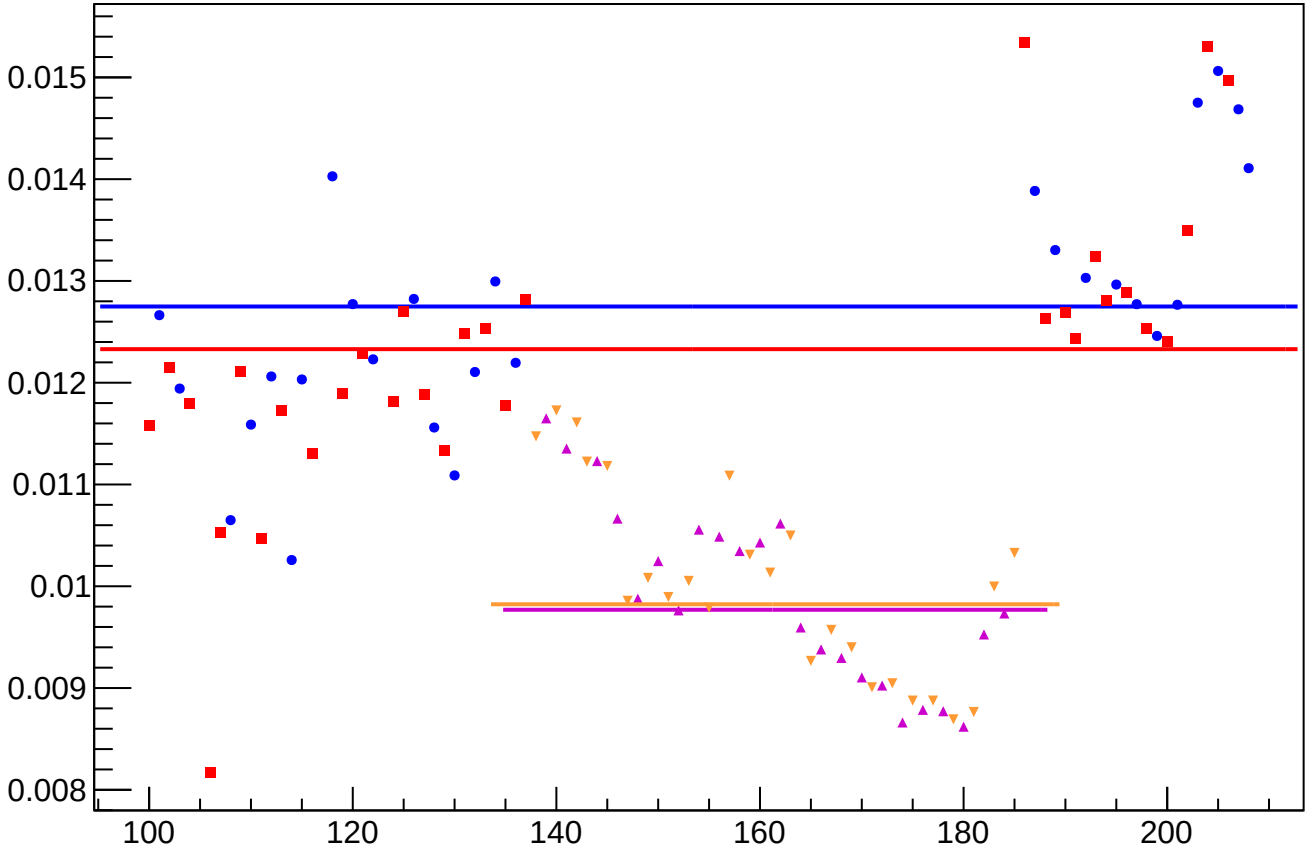
Right: -0.975+/-0.000 χ^2/NDF: 8968140737.5/57

In: -1.013+/-0.000 χ^2/NDF:9058178439.4/49

Out: -1.025+/-0.000 χ^2/NDF:9525678291.0/55

All: -1.019+/-0.000 χ^2/NDF: 18604152762.6/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 230017.1/26

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 404517.4/30

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

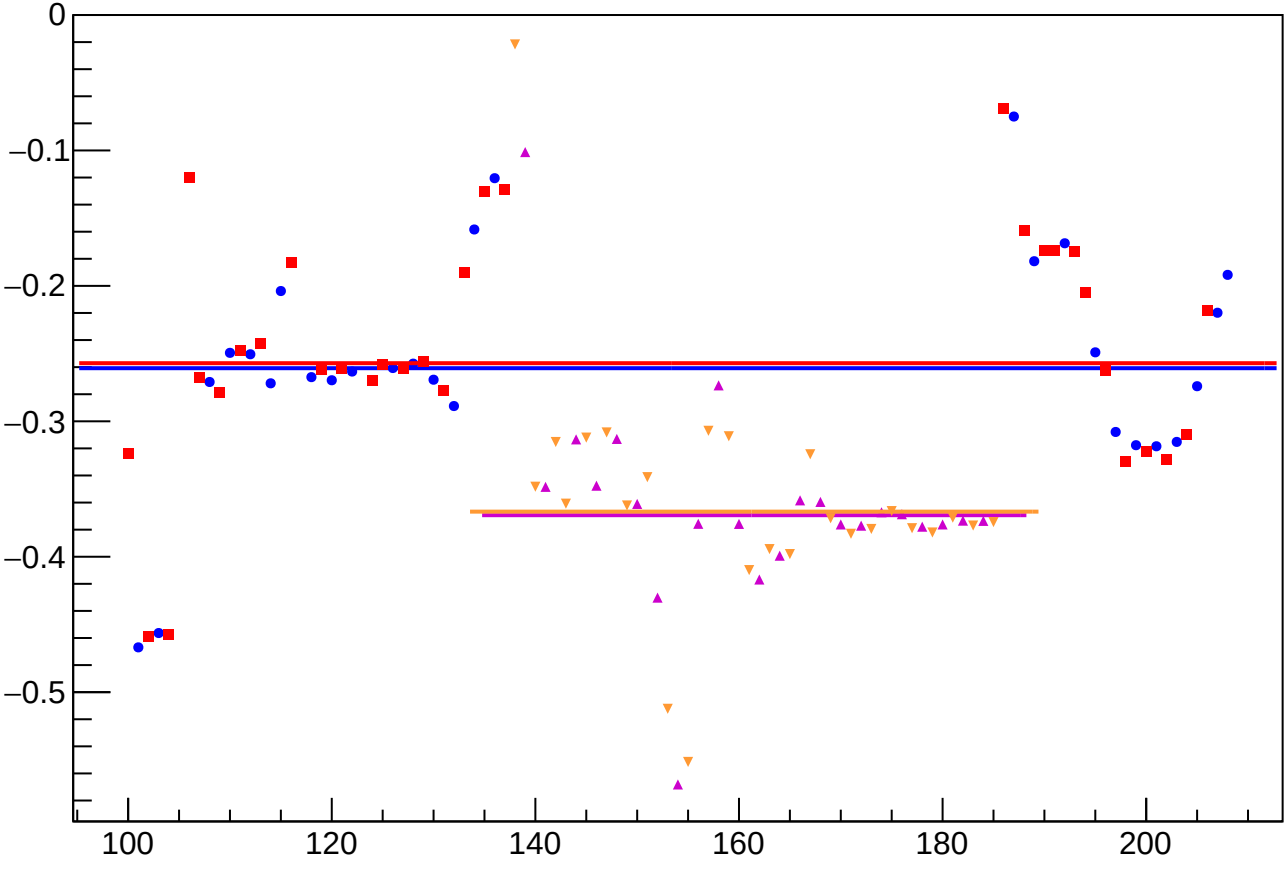
Right: 0.013+/-0.000 χ^2/NDF: 651768.4/57

In: 0.011+/-0.000 χ^2/NDF:1609587.0/49

Out: 0.011+/-0.000 χ^2/NDF:1544208.7/55

All: 0.011+/-0.000 χ^2/NDF: 3155115.7/105

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.261+/-0.000 χ^2/NDF: 8215533709.6/26

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.257+/-0.000 χ^2/NDF: 8313883953.4/30

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

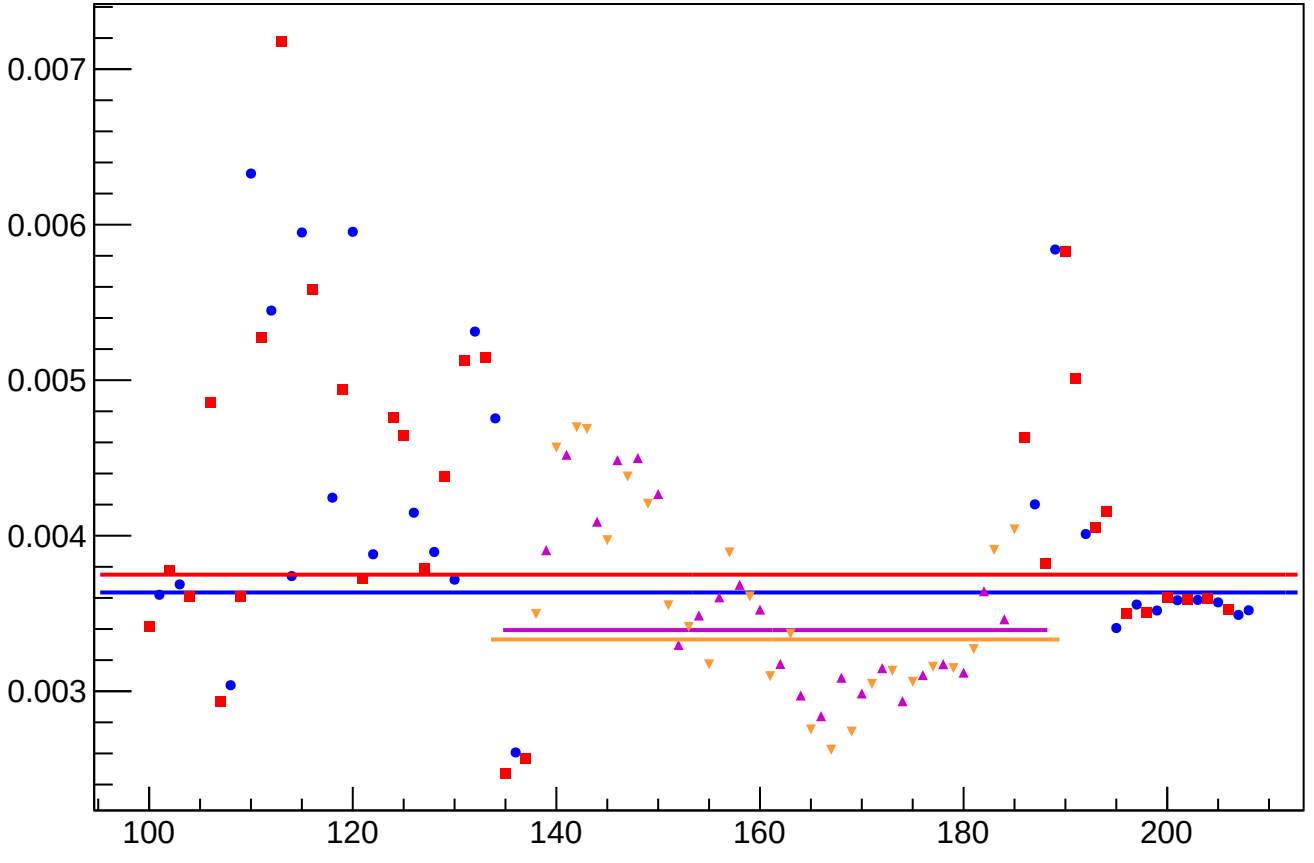
Right: -0.259+/-0.000 χ^2/NDF: 16536567332.8/57

In: -0.323+/-0.000 χ^2/NDF:22993837321.2/49

Out: -0.323+/-0.000 χ^2/NDF:27772156600.4/55

All: -0.323+/-0.000 χ^2/NDF: 50765993949.4/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 909288.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1091204.0/30

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

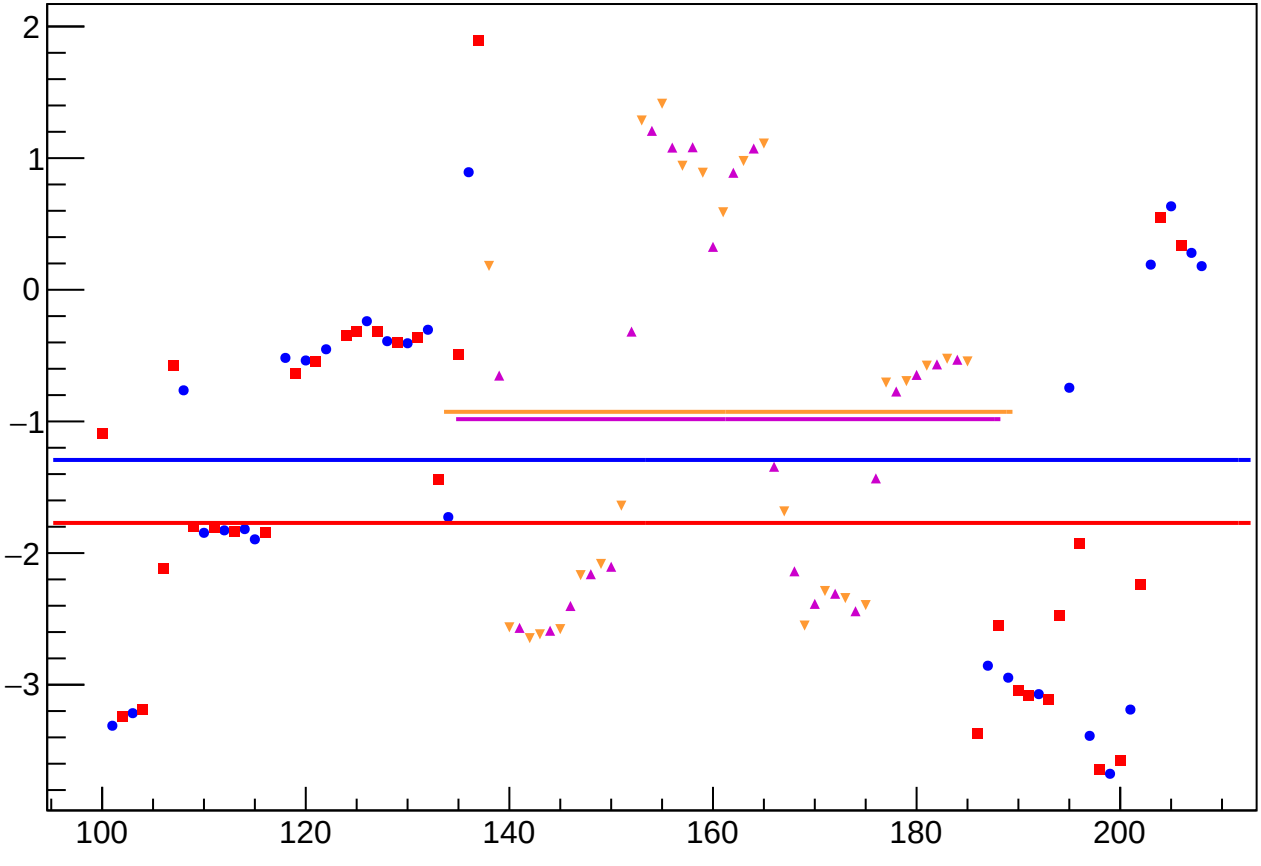
Right: 0.004+/-0.000 χ^2/NDF: 2014266.7/57

In: 0.003+/-0.000 χ^2/NDF:1614266.5/49

Out: 0.003+/-0.000 χ^2/NDF:2166302.3/55

All: 0.003+/-0.000 χ^2/NDF: 3780579.1/105

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.293+/-0.000 χ^2/NDF: 6605997951.8/26

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.771+/-0.000 χ^2/NDF: 5376845991.2/30

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

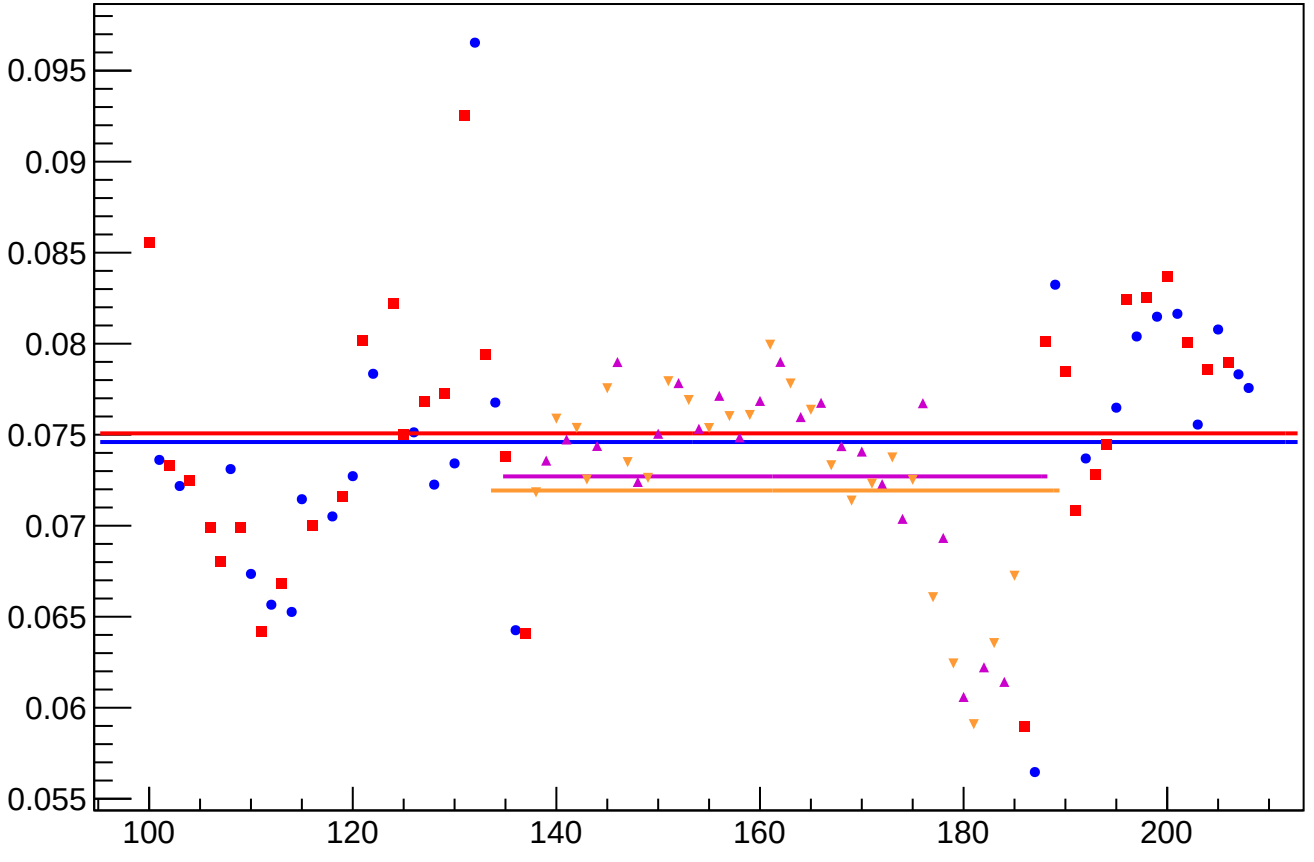
Right: -1.535+/-0.000 χ^2/NDF: 12305029267.3/57

In: -1.122+/-0.000 χ^2/NDF:12671408980.6/49

Out: -1.297+/-0.000 χ^2/NDF:13769450289.6/55

All: -1.212+/-0.000 χ^2/NDF: 26537330694.5/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF: 224819.7/26

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 243910.3/30

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

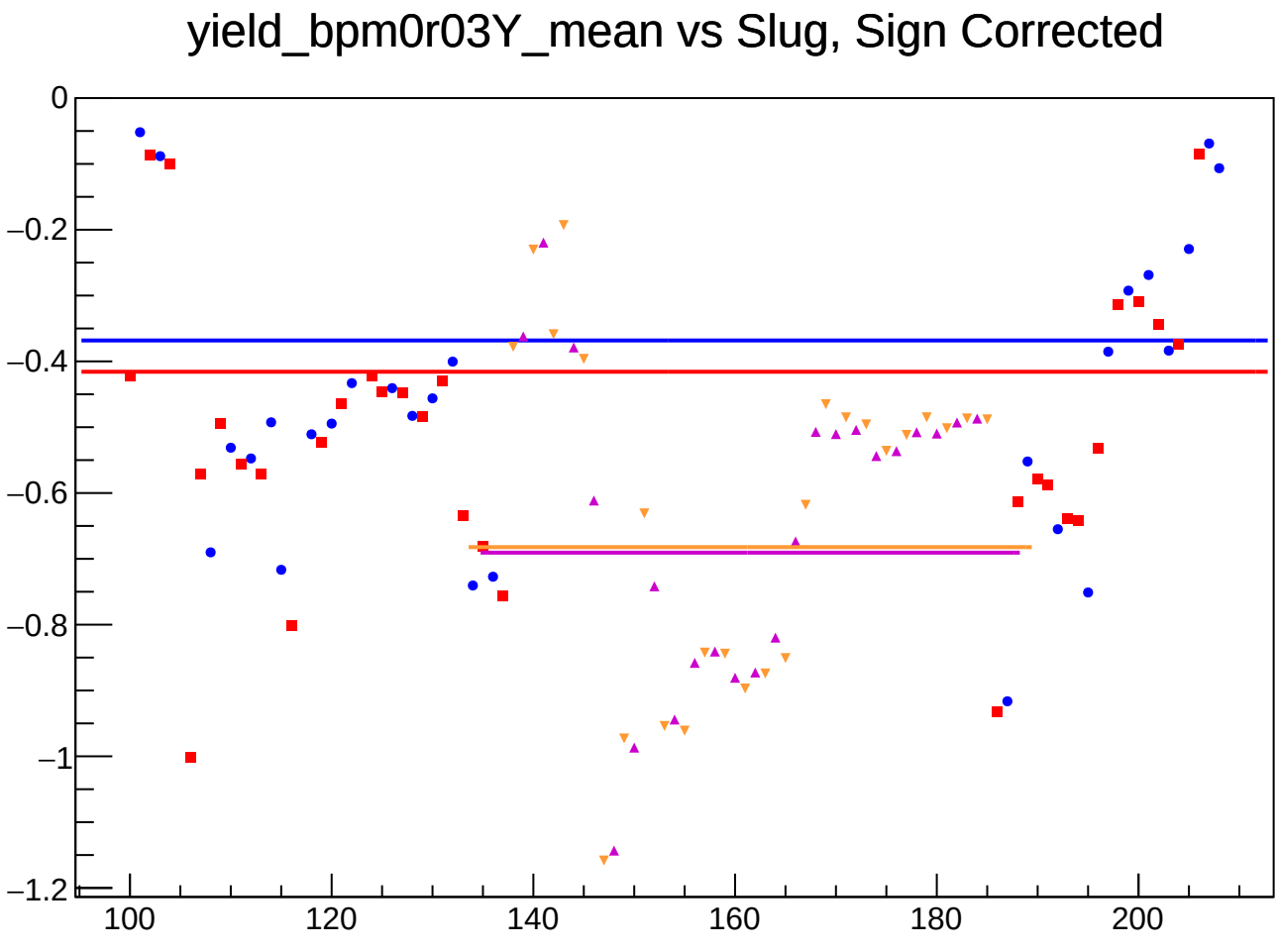
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.075+/-0.000 χ^2/NDF: 469367.6/57

In: 0.074+/-0.000 χ^2/NDF:432703.9/49

Out: 0.073+/-0.000 χ^2/NDF:511086.4/55

All: 0.073+/-0.000 χ^2/NDF: 944186.0/105



Right In: -0.368+/-0.000 χ^2/NDF: 11872795825.7/26

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.416+/-0.000 χ^2/NDF: 8965842411.4/30

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

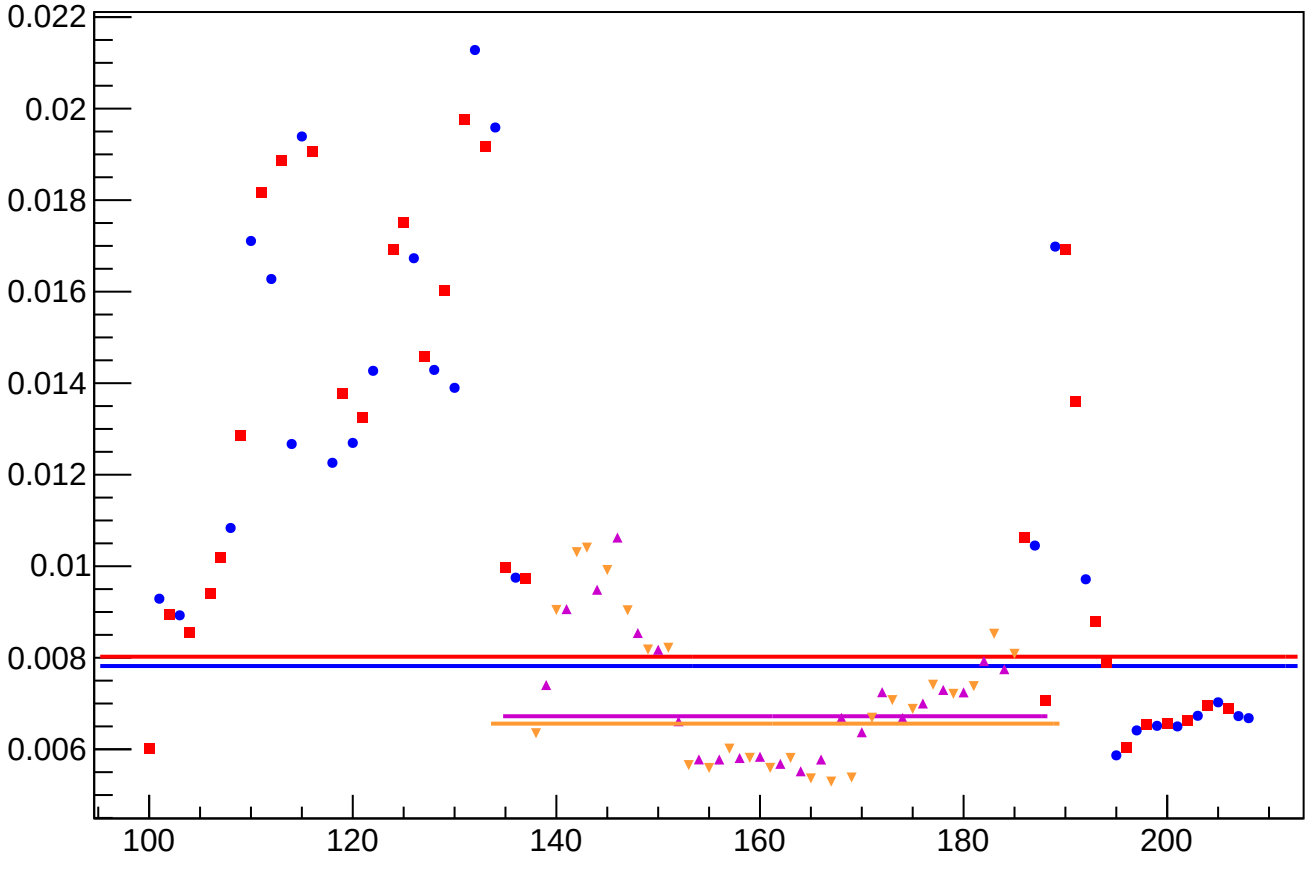
Right: -0.392+/-0.000 χ^2/NDF: 21078601699.3/57

In: -0.571+/-0.000 χ^2/NDF:42917757767.0/49

Out: -0.592+/-0.000 χ^2/NDF:40594018795.5/55

All: -0.582+/-0.000 χ^2/NDF: 83638532282.4/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2998959.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3116125.2/30

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

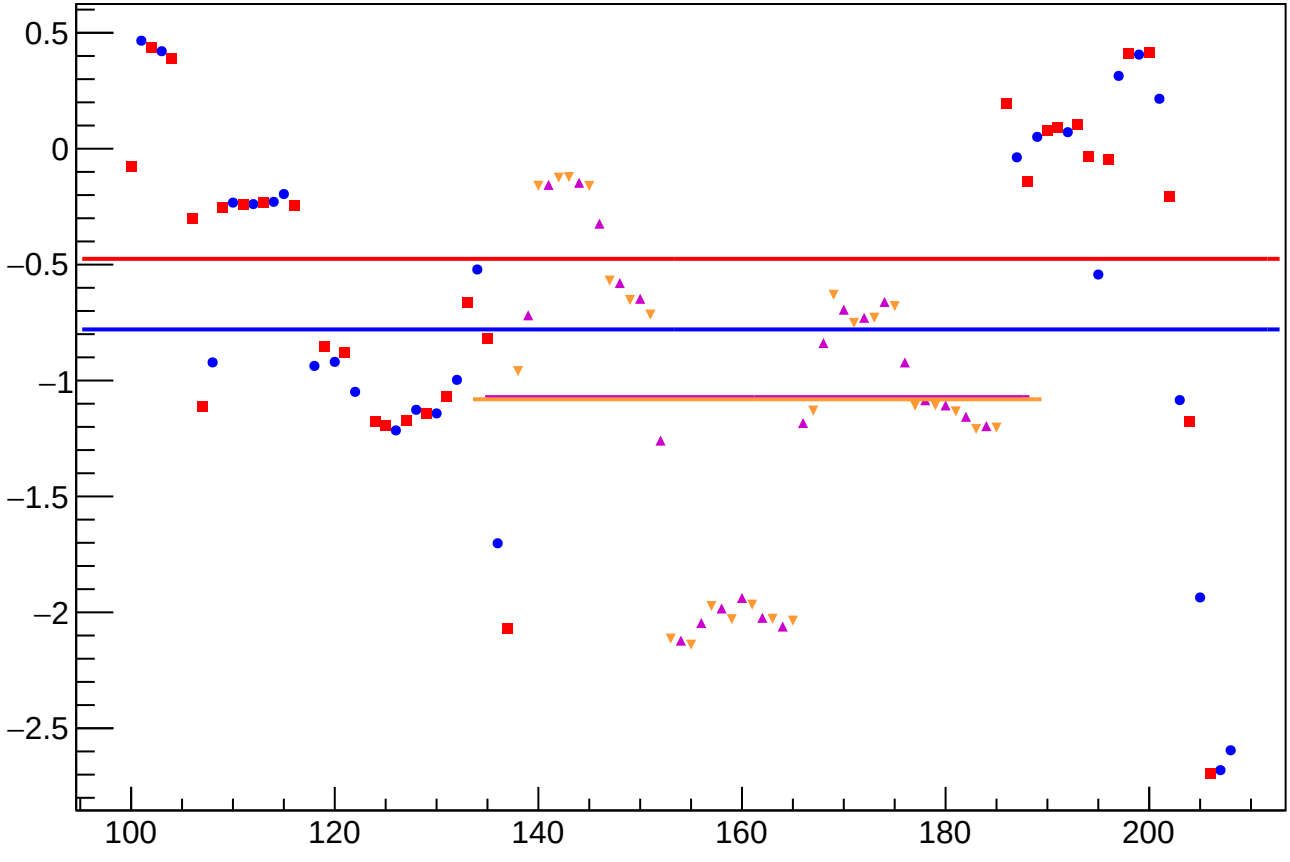
Right: 0.008+/-0.000 χ^2/NDF: 6123910.5/57

In: 0.007+/-0.000 χ^2/NDF:4288184.0/49

Out: 0.007+/-0.000 χ^2/NDF:5111164.4/55

All: 0.007+/-0.000 χ^2/NDF: 9402457.3/105

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.780+/-0.000 χ^2/NDF: 1683453408.9/26

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.475+/-0.000 χ^2/NDF: 1232528582.4/30

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

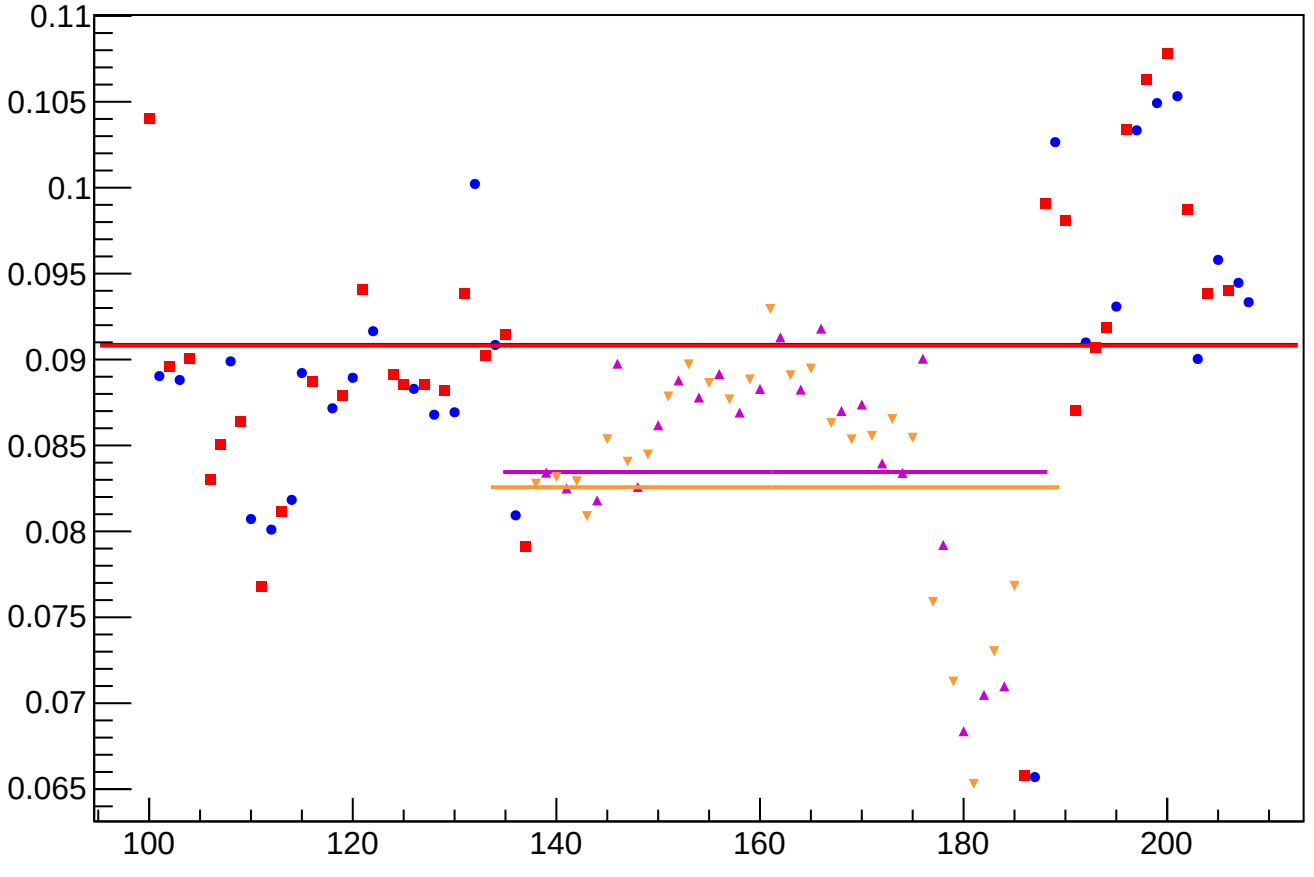
Right: -0.624+/-0.000 χ^2/NDF: 3005465802.7/57

In: -0.948+/-0.000 χ^2/NDF:2752473082.0/49

Out: -0.831+/-0.000 χ^2/NDF:2809485237.9/55

All: -0.888+/-0.000 χ^2/NDF: 5593971222.2/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 238975.8/26

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 327542.9/30

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

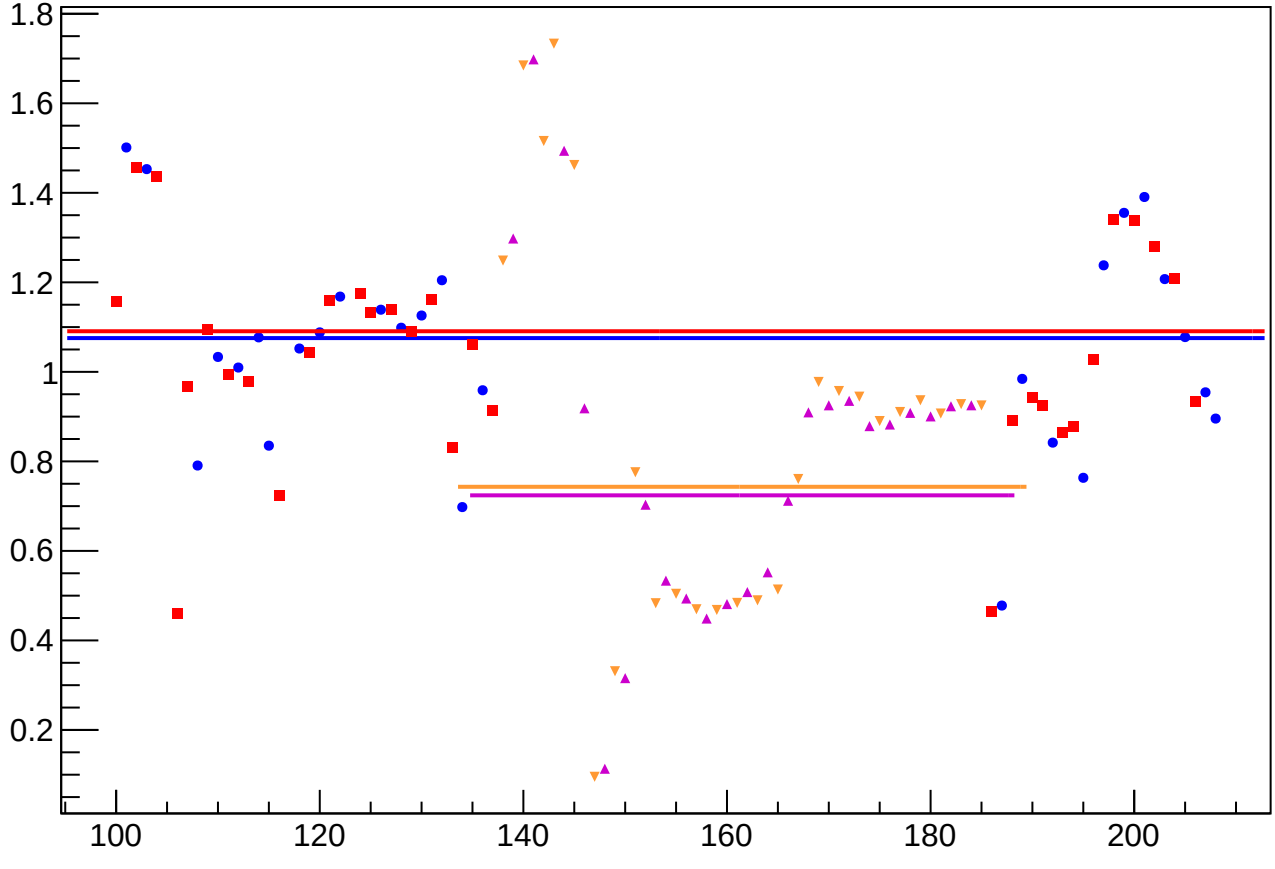
Right: 0.091+/-0.000 χ^2/NDF: 566522.3/57

In: 0.087+/-0.000 χ^2/NDF:597133.3/49

Out: 0.086+/-0.000 χ^2/NDF:775790.7/55

All: 0.086+/-0.000 χ^2/NDF: 1374612.0/105

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.075+/-0.000 χ^2/NDF: 5601991116.7/26

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.091+/-0.000 χ^2/NDF: 4960508288.2/30

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

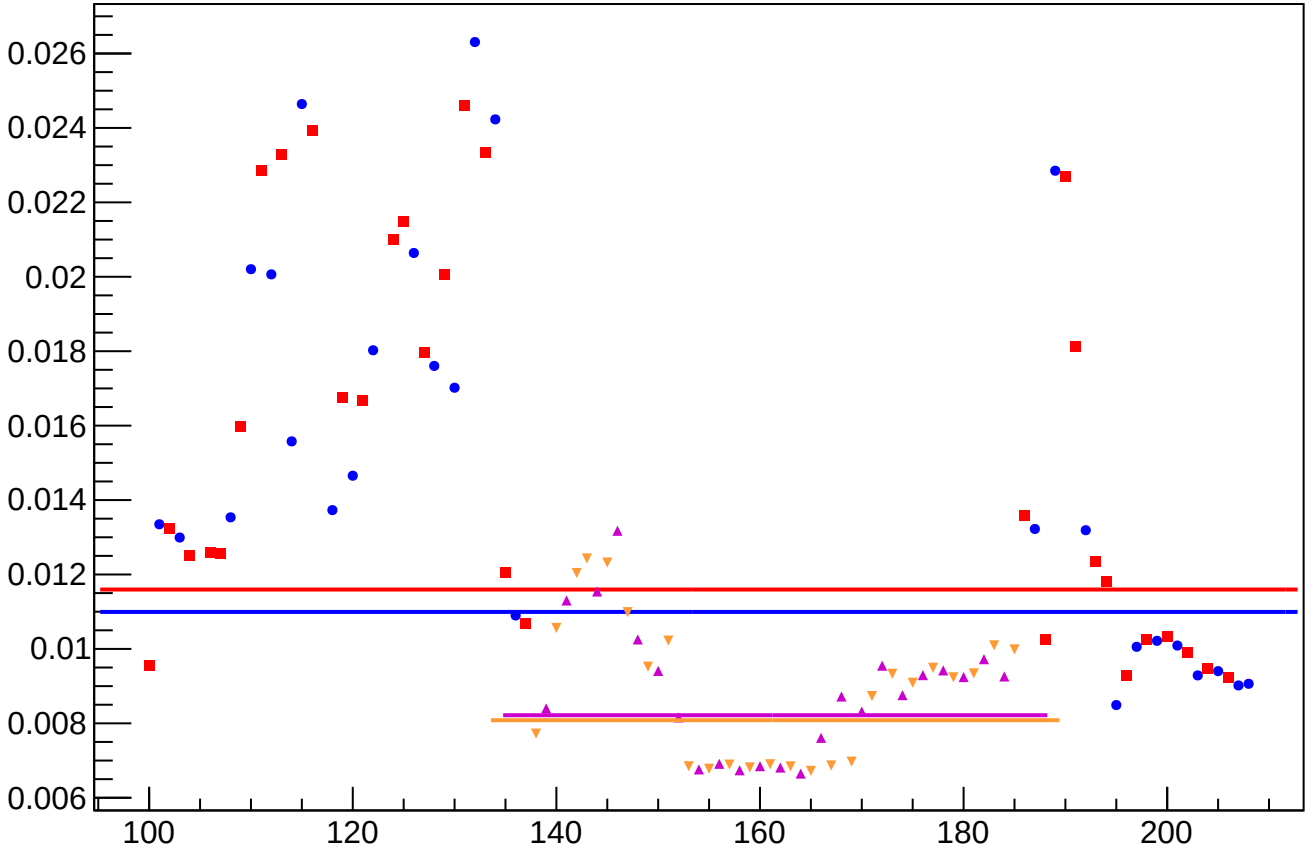
Right: 1.083+/-0.000 χ^2/NDF: 10575136987.6/57

In: 0.834+/-0.000 χ^2/NDF:40804900703.1/49

Out: 0.839+/-0.000 χ^2/NDF:46590046927.7/55

All: 0.837+/-0.000 χ^2/NDF: 87400090032.8/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2193891.6/26

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2222365.1/30

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

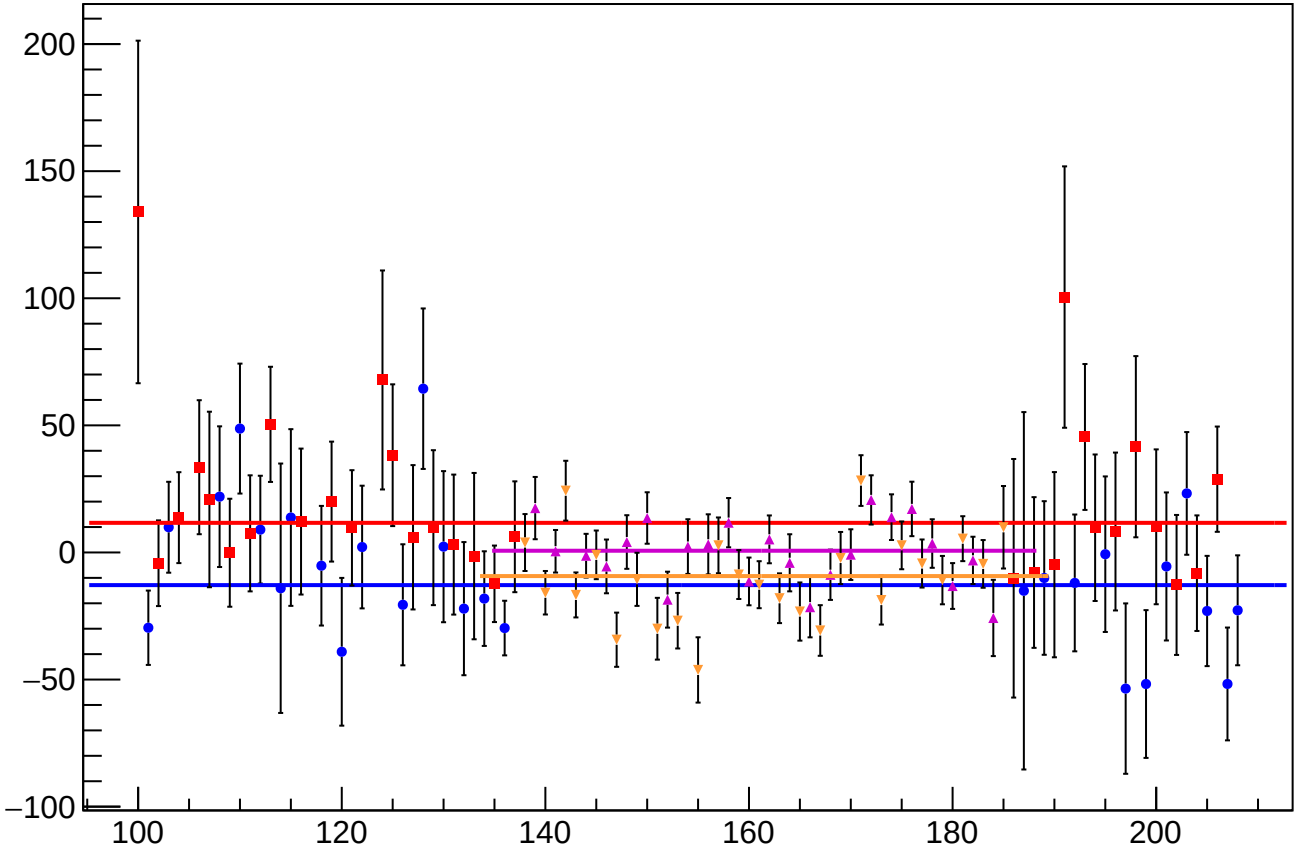
Right: 0.011+/-0.000 χ^2/NDF: 4455317.5/57

In: 0.009+/-0.000 χ^2/NDF:4514300.0/49

Out: 0.009+/-0.000 χ^2/NDF:5476912.5/55

All: 0.009+/-0.000 χ^2/NDF: 9991579.8/105

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -12.847+/-4.440 χ^2/NDF: 31.5/26

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 11.650+/-4.626 χ^2/NDF: 22.1/30

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

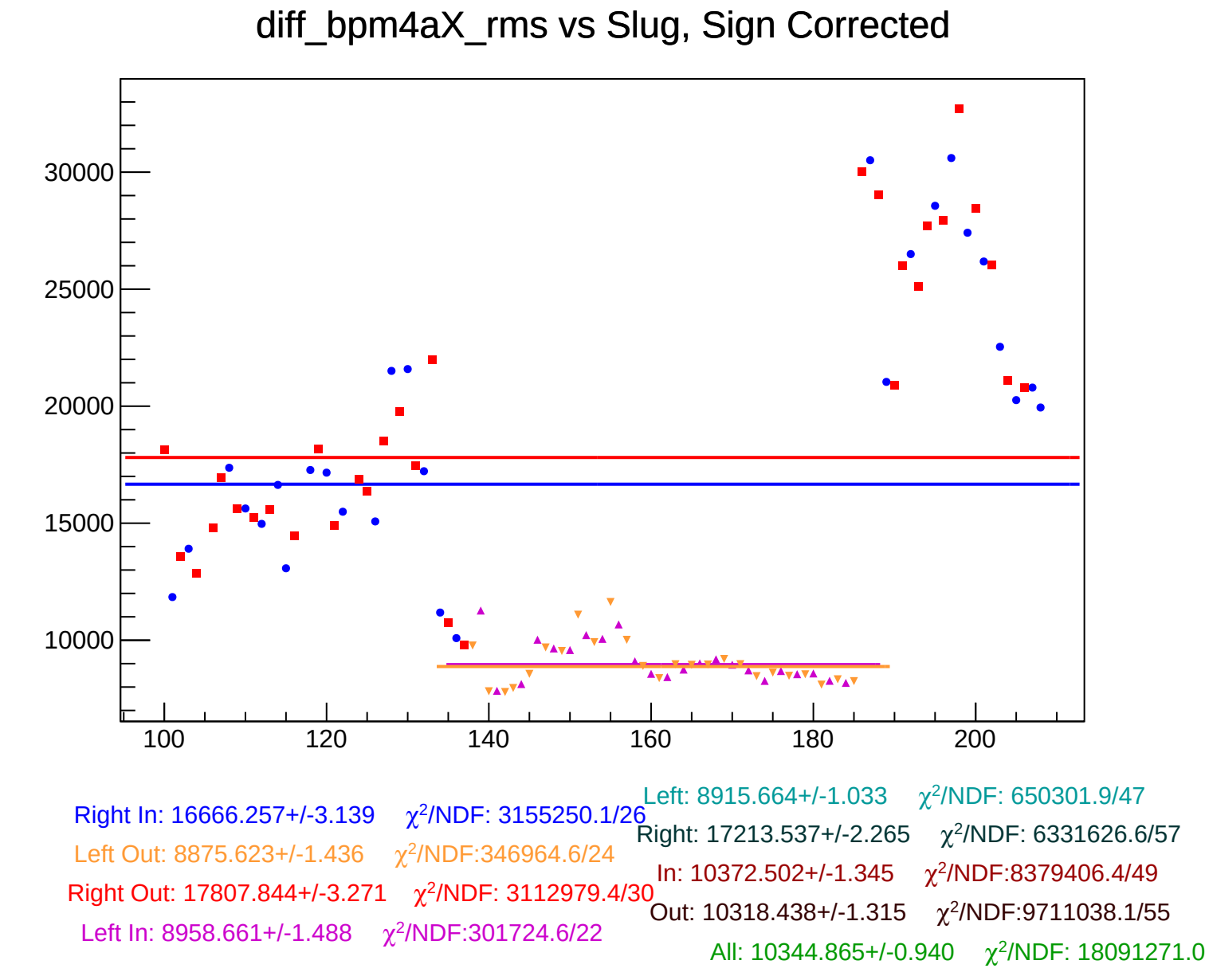
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -1.103+/-3.203 χ^2/NDF: 68.2/57

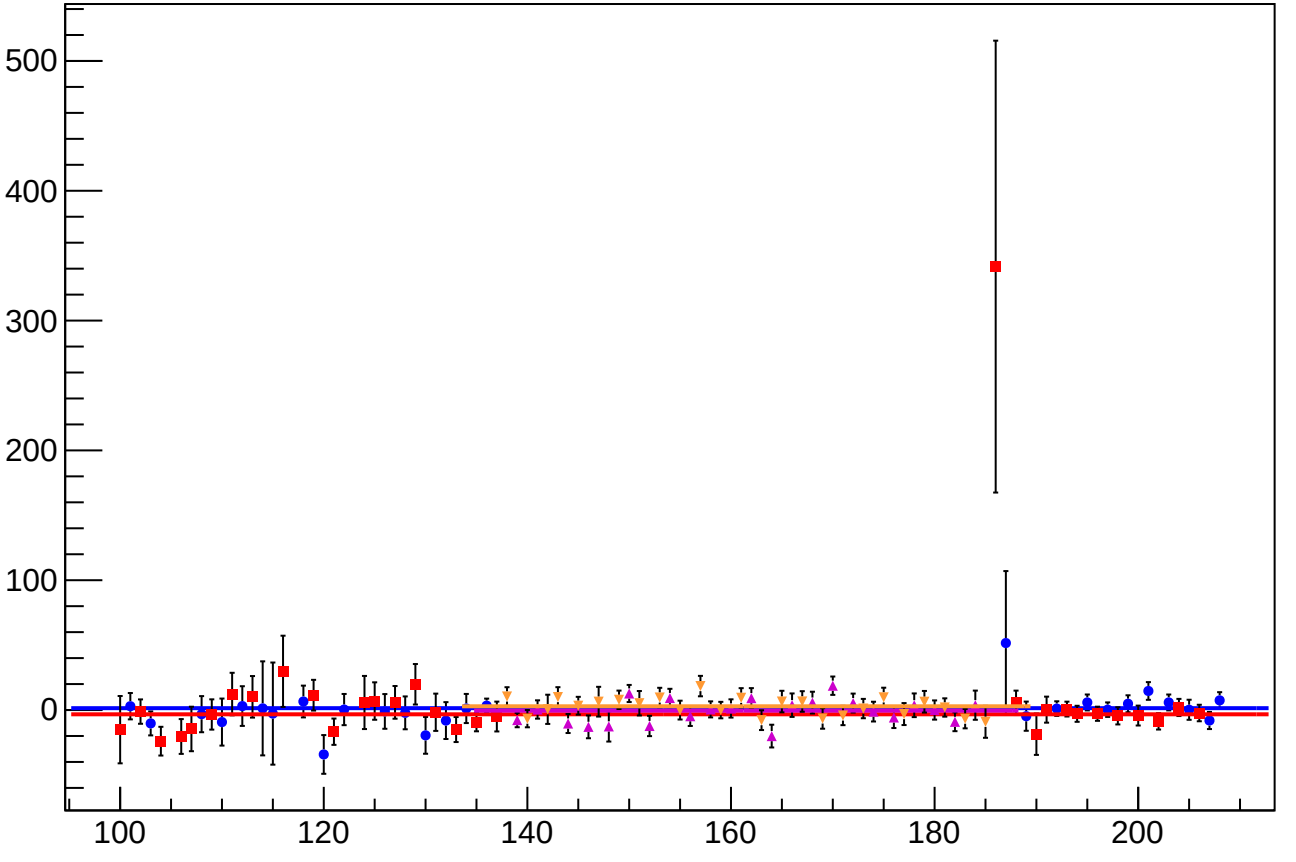
In: -1.805+/-1.901 χ^2/NDF:68.5/49

Out: -5.909+/-1.859 χ^2/NDF:100.4/55

All: -3.903+/-1.329 χ^2/NDF: 171.3/105


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16666.257+/-3.139 χ²/NDF: 3155250.1/26
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 17807.844+/-3.271 χ²/NDF: 3112979.4/30
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 17213.537+/-2.265 χ²/NDF: 6331626.6/57
In: 10372.502+/-1.345 χ²/NDF:8379406.4/49
Out: 10318.438+/-1.315 χ²/NDF:9711038.1/55
All: 10344.865+/-0.940 χ²/NDF: 18091271.0

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.426+/-1.685 χ^2/NDF: 20.1/26

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.299+/-1.684 χ^2/NDF: 25.7/30

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

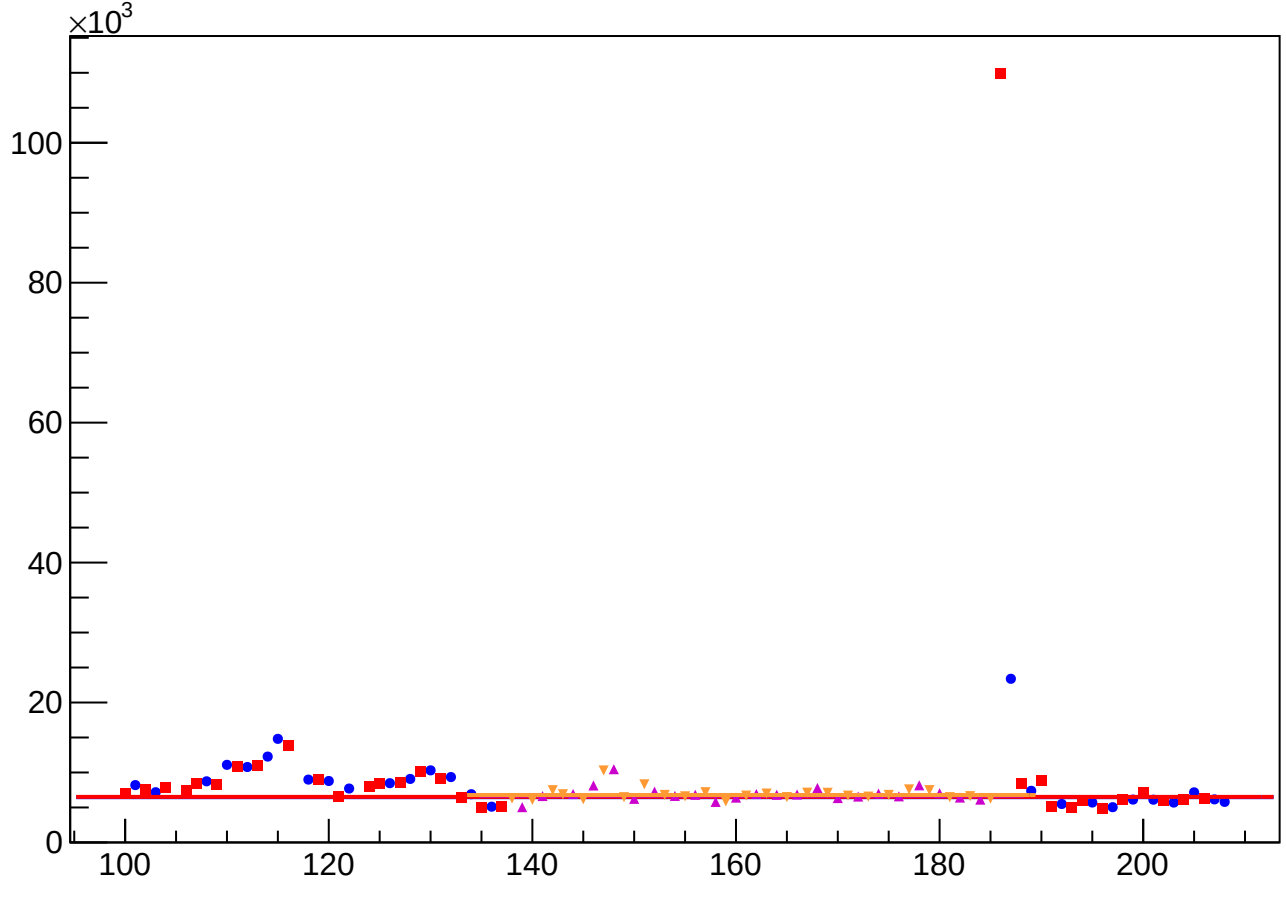
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -0.938+/-1.191 χ^2/NDF: 49.8/57

In: 0.426+/-1.153 χ^2/NDF:53.6/49

Out: 0.038+/-1.142 χ^2/NDF:52.5/55

All: 0.230+/-0.811 χ^2/NDF: 106.1/105



Right In: 6469.755+/-1.191 χ^2/NDF: 1701127.5/26

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6511.951+/-1.191 χ^2/NDF: 2334100.4/30

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

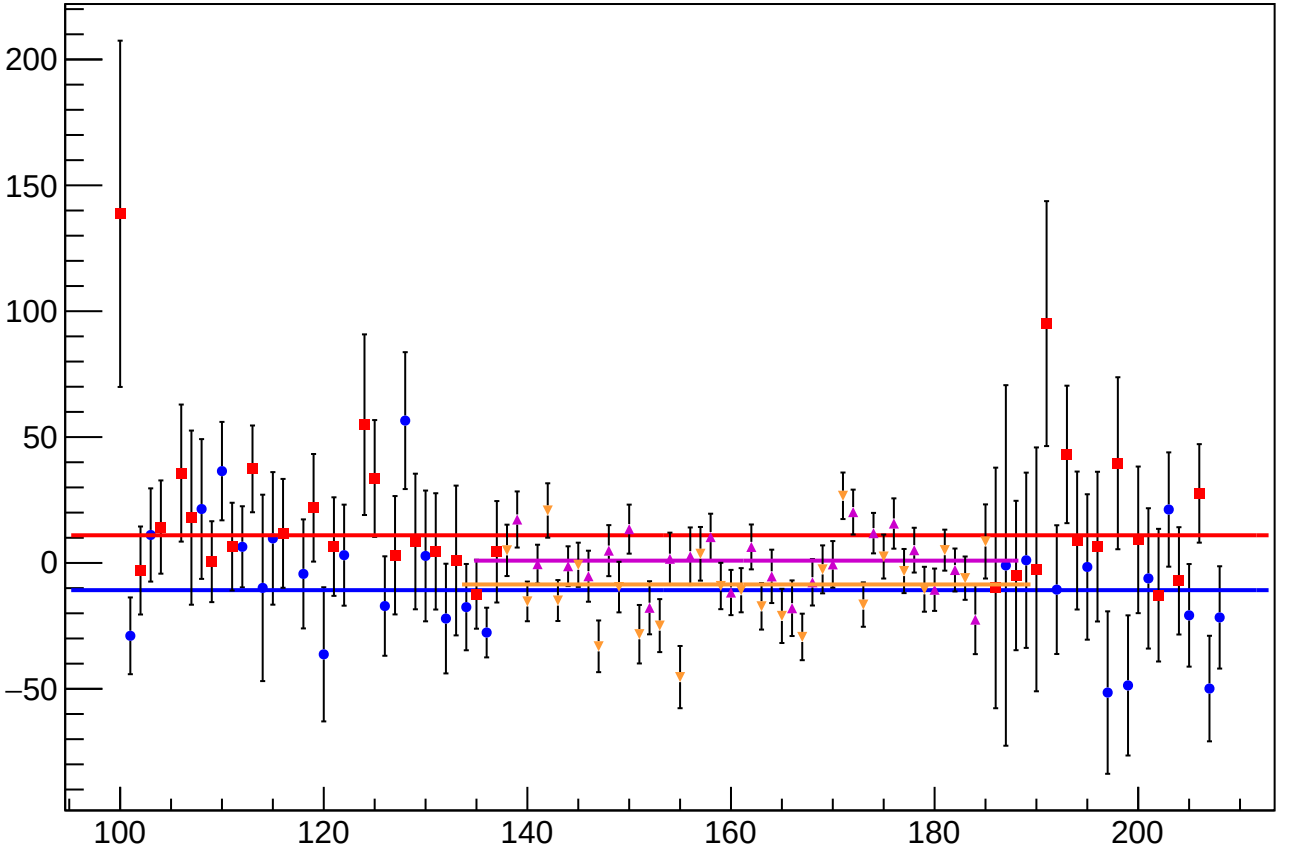
Right: 6490.869+/-0.842 χ^2/NDF: 4035855.5/57

In: 6586.616+/-0.815 χ^2/NDF:2339497.0/49

Out: 6654.958+/-0.807 χ^2/NDF:2760981.4/55

All: 6621.123+/-0.574 χ^2/NDF: 5104025.3/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -10.805+/-4.059 χ^2/NDF: 32.8/26

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.995+/-4.181 χ^2/NDF: 21.9/30

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

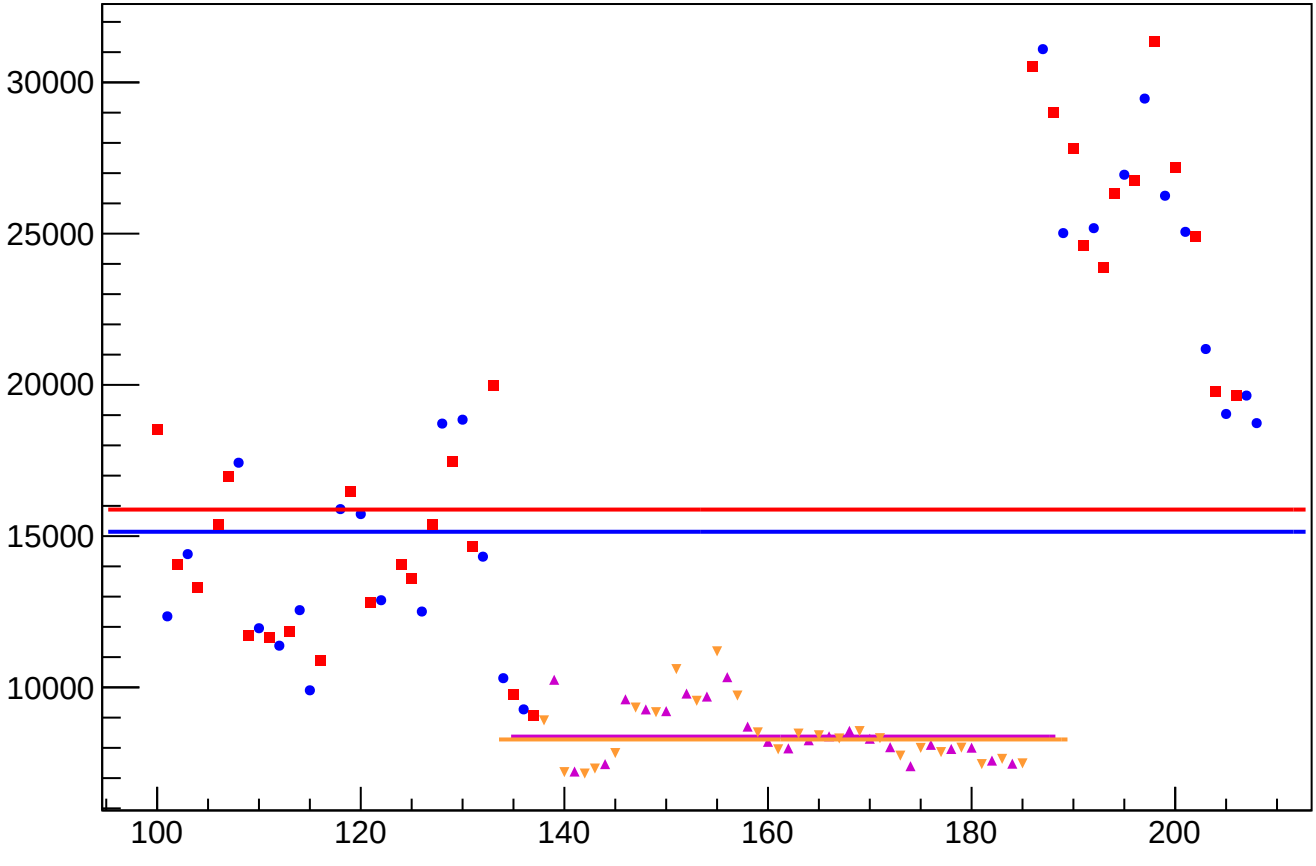
Right: -0.226+/-2.912 χ^2/NDF: 68.6/57

In: -1.313+/-1.772 χ^2/NDF:68.6/49

Out: -5.203+/-1.727 χ^2/NDF:101.9/55

All: -3.307+/-1.237 χ^2/NDF: 173.0/105

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 15144.366+/-2.870 χ^2/NDF: 3582803.1/26

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15878.094+/-2.956 χ^2/NDF: 3873117.8/30

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

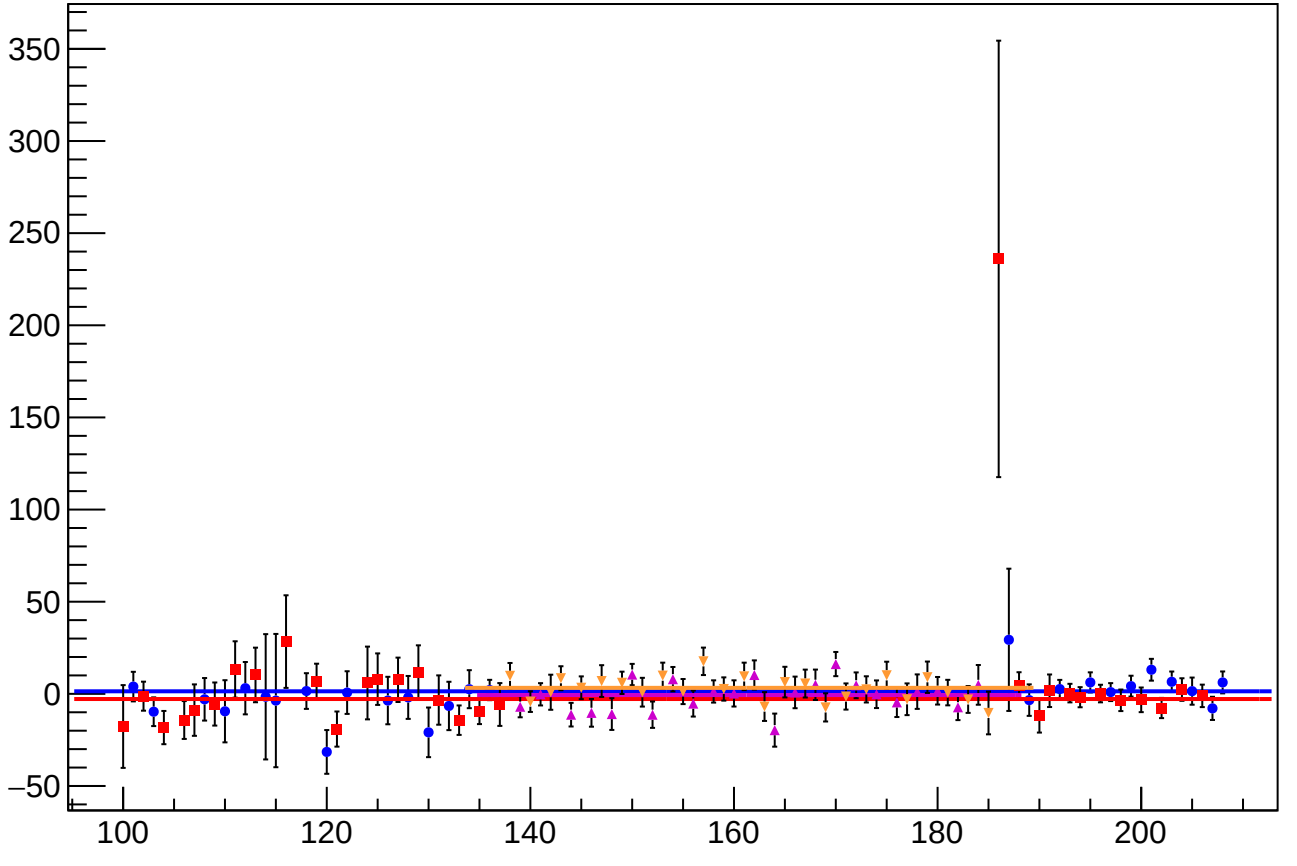
Right: 15500.415+/-2.059 χ^2/NDF: 7487628.9/57

In: 9662.104+/-1.253 χ^2/NDF:8481758.5/49

Out: 9574.986+/-1.221 χ^2/NDF:9809706.5/55

All: 9617.442+/-0.874 χ^2/NDF: 18293944.6/

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.383+/-1.513 χ^2/NDF: 23.3/26

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.807+/-1.487 χ^2/NDF: 26.5/30

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

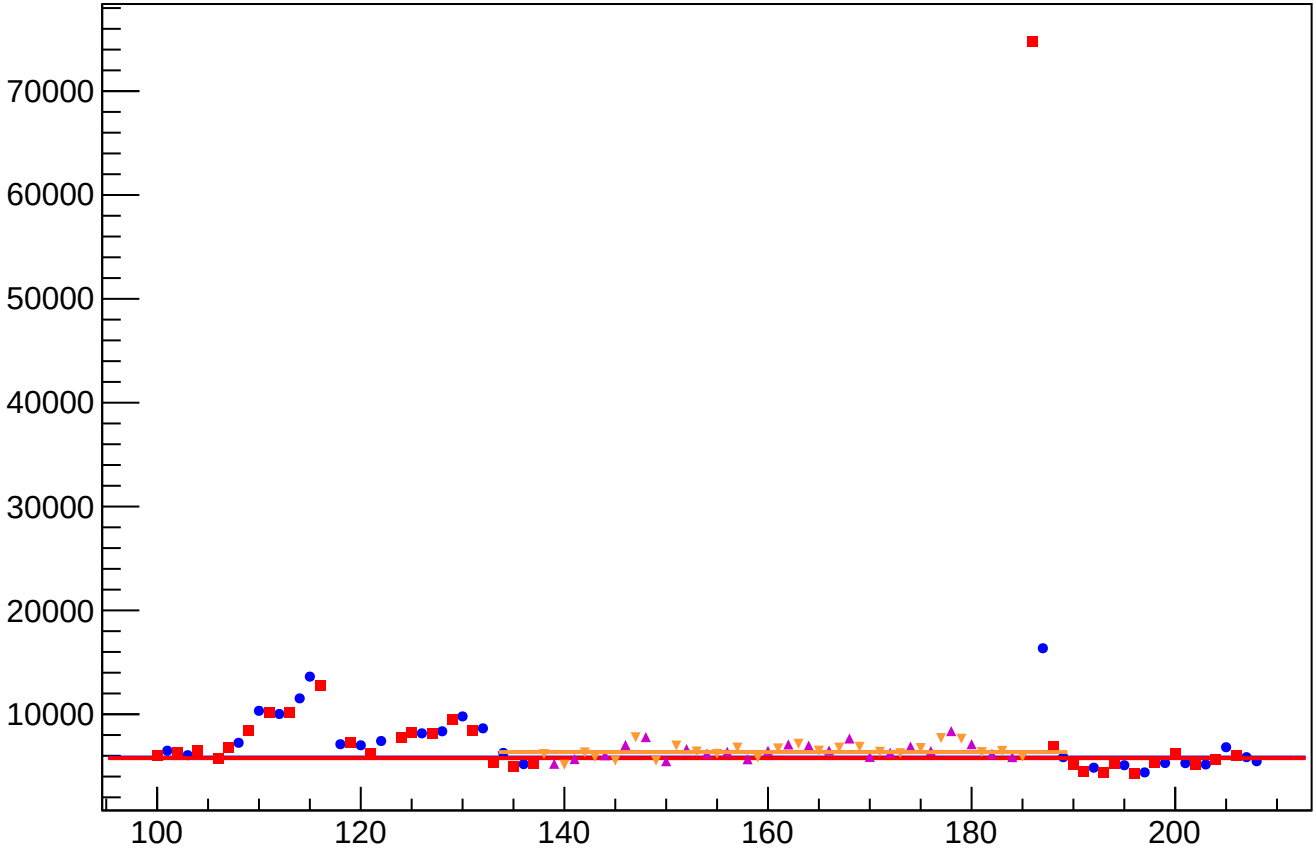
Right: -0.749+/-1.061 χ^2/NDF: 53.7/57

In: 0.359+/-1.065 χ^2/NDF:55.0/49

Out: 0.285+/-1.041 χ^2/NDF:52.6/55

All: 0.321+/-0.744 χ^2/NDF: 107.6/105

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5828.582+/-1.070 χ^2/NDF: 1600502.9/26

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5773.598+/-1.052 χ^2/NDF: 2297622.5/30

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

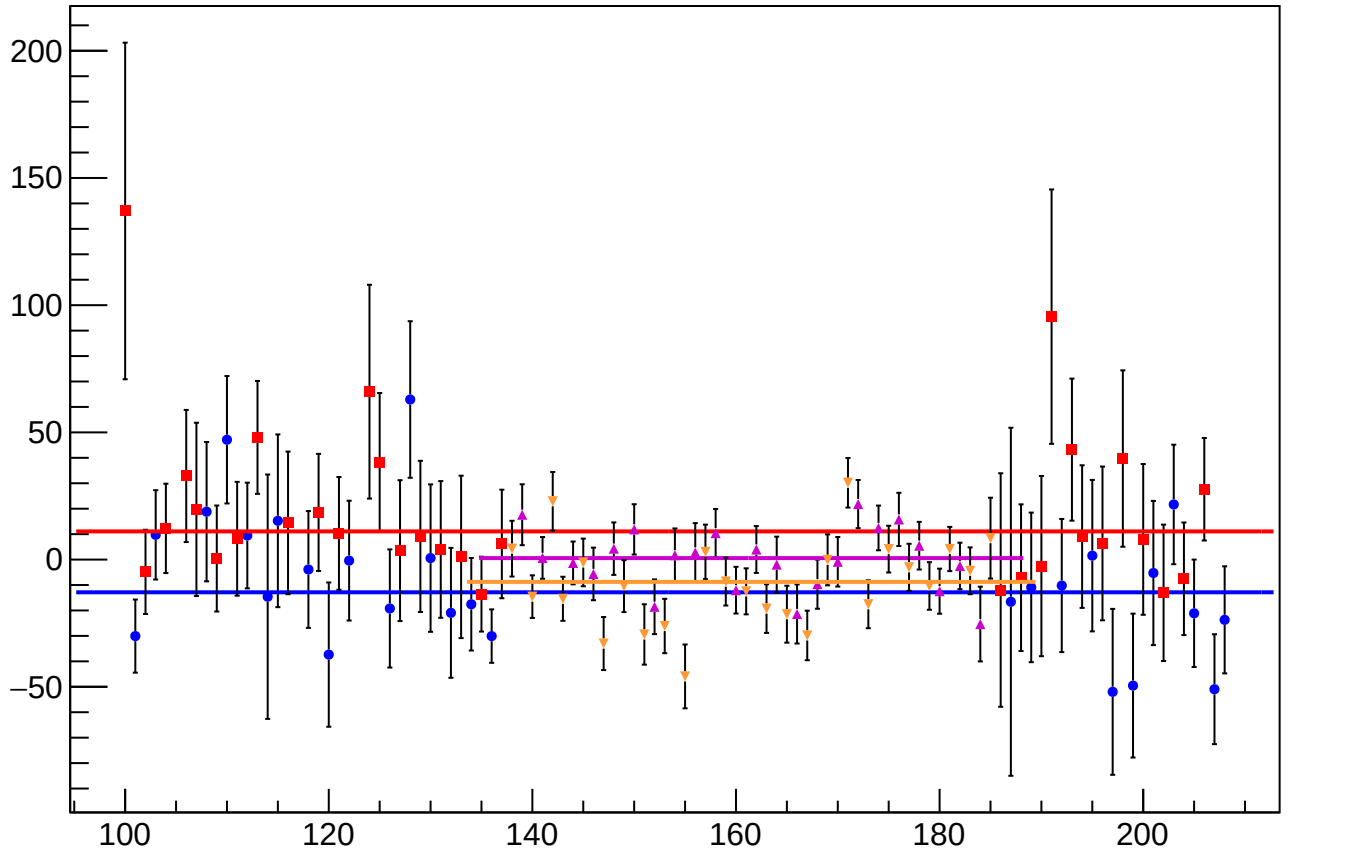
Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

Right: 5800.608+/-0.750 χ^2/NDF: 3899468.6/57

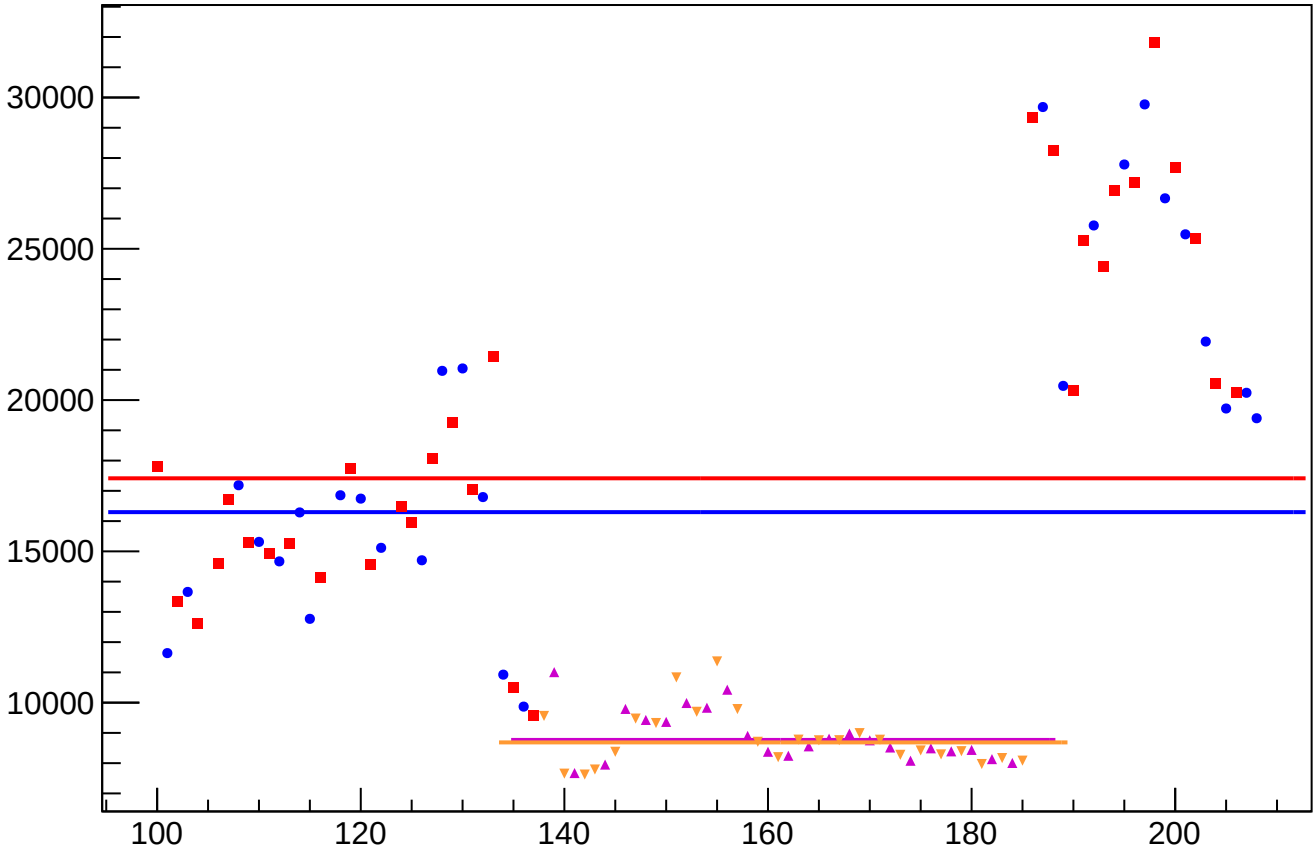
In: 6096.739+/-0.753 χ^2/NDF:2198795.8/49

Out: 6071.531+/-0.736 χ^2/NDF:2869109.6/55

All: 6083.844+/-0.526 χ^2/NDF: 5068478.5/10


diff_bpm4acX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -12.859+/-4.338 χ²/NDF: 31.5/26
Left Out: -8.767+/-1.987 χ²/NDF:62.7/24
Right Out: 11.077+/-4.520 χ²/NDF: 22.2/30
Left In: 0.579+/-2.059 χ²/NDF:29.6/22
Left: -4.260+/-1.430 χ²/NDF: 102.9/47
Right: -1.385+/-3.130 χ²/NDF: 68.3/57
In: -1.892+/-1.860 χ²/NDF:68.9/49
Out: -5.553+/-1.819 χ²/NDF:101.1/55
All: -3.764+/-1.301 χ²/NDF: 172.0/105

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 16296.562+/-3.067 χ^2/NDF: 3109949.7/26

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17414.322+/-3.196 χ^2/NDF: 3064452.4/30

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

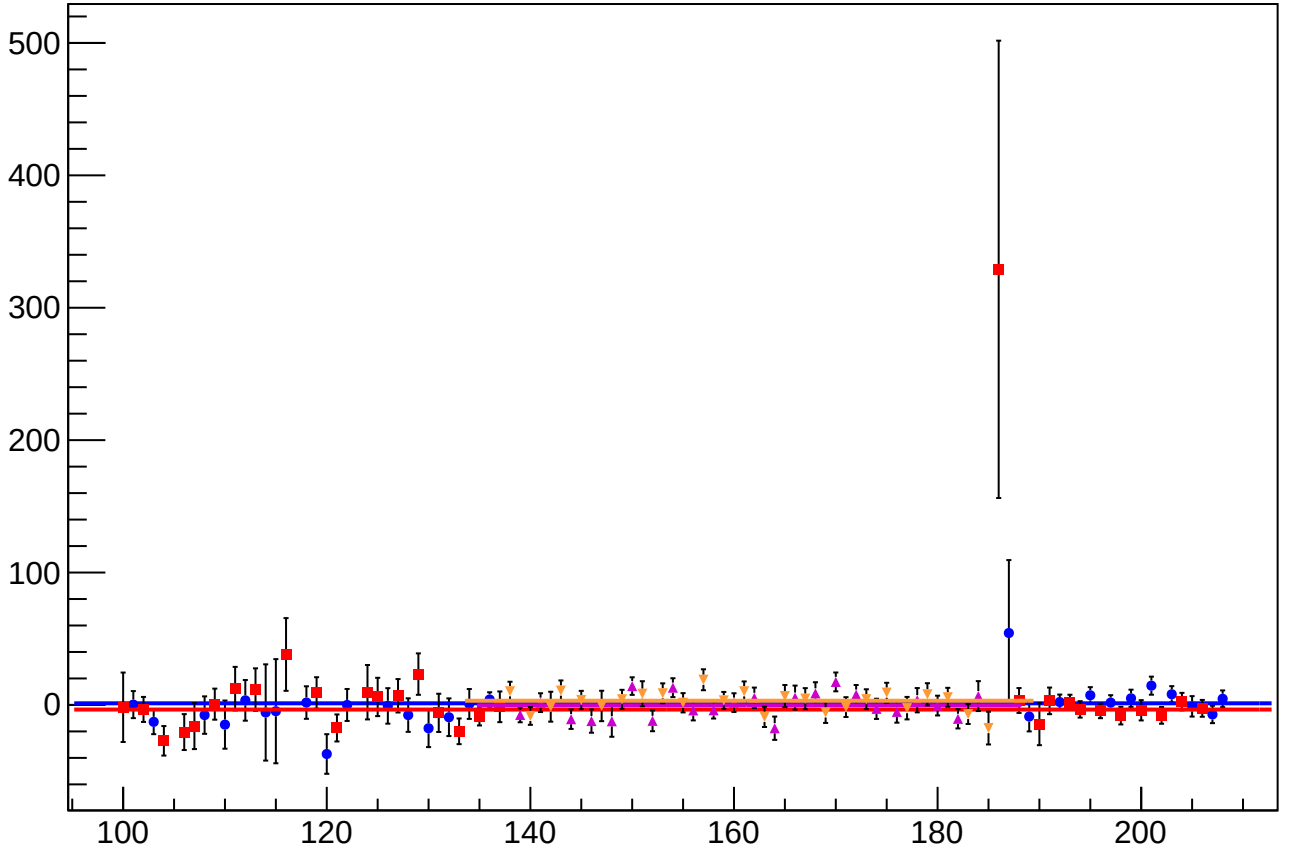
Right: 16832.372+/-2.213 χ^2/NDF: 6238067.7/57

In: 10152.363+/-1.315 χ^2/NDF:8322961.7/49

Out: 10099.362+/-1.286 χ^2/NDF:9654118.9/55

All: 10125.270+/-0.920 χ^2/NDF: 17977910.6

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.223+/-1.690 χ^2/NDF: 23.3/26

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.490+/-1.690 χ^2/NDF: 29.5/30

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

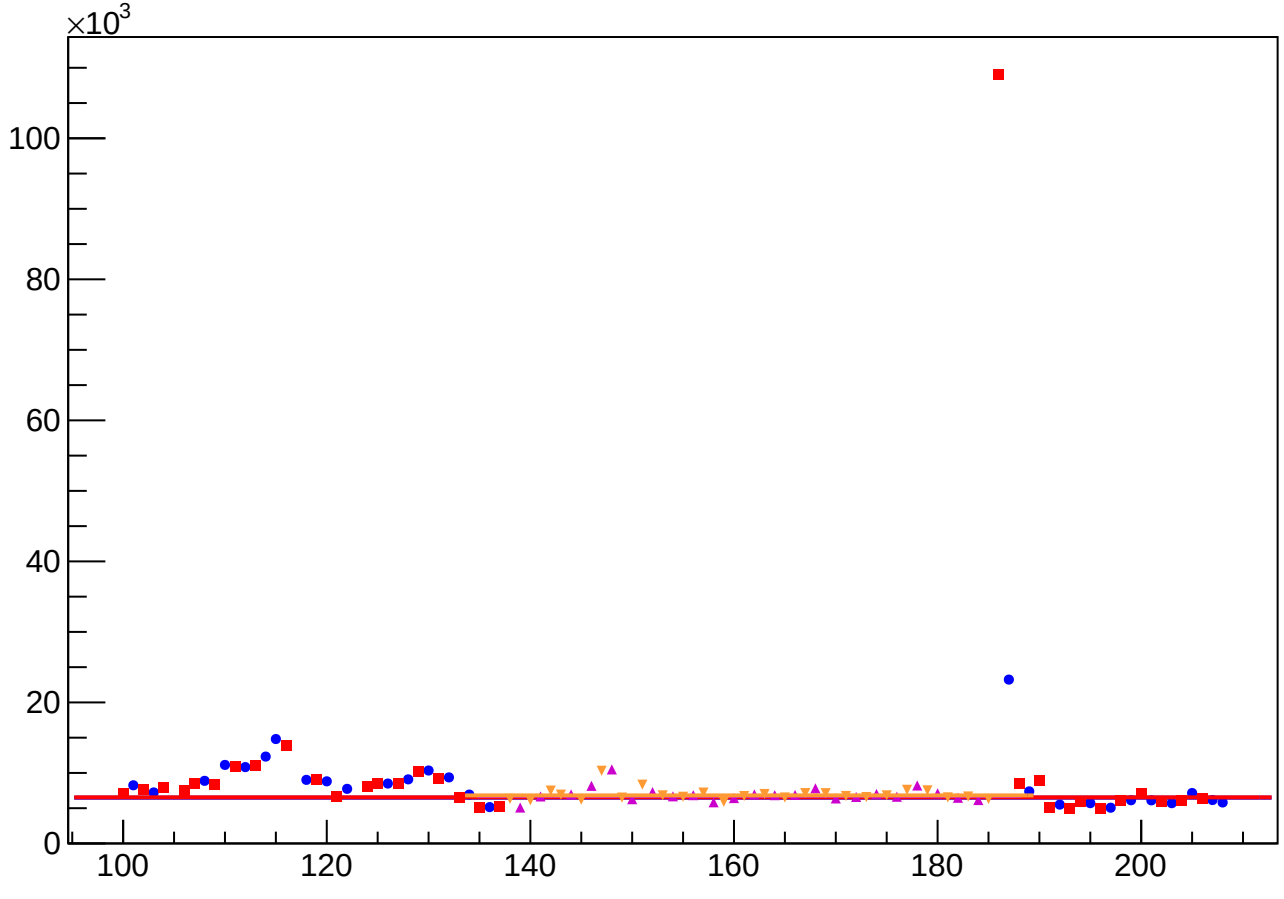
Right: -1.134+/-1.195 χ^2/NDF: 56.7/57

In: 0.432+/-1.158 χ^2/NDF:57.9/49

Out: 0.102+/-1.147 χ^2/NDF:59.6/55

All: 0.265+/-0.815 χ^2/NDF: 117.6/105

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6490.520+/-1.195 χ^2/NDF: 1699889.0/26

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6537.025+/-1.195 χ^2/NDF: 2329053.2/30

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

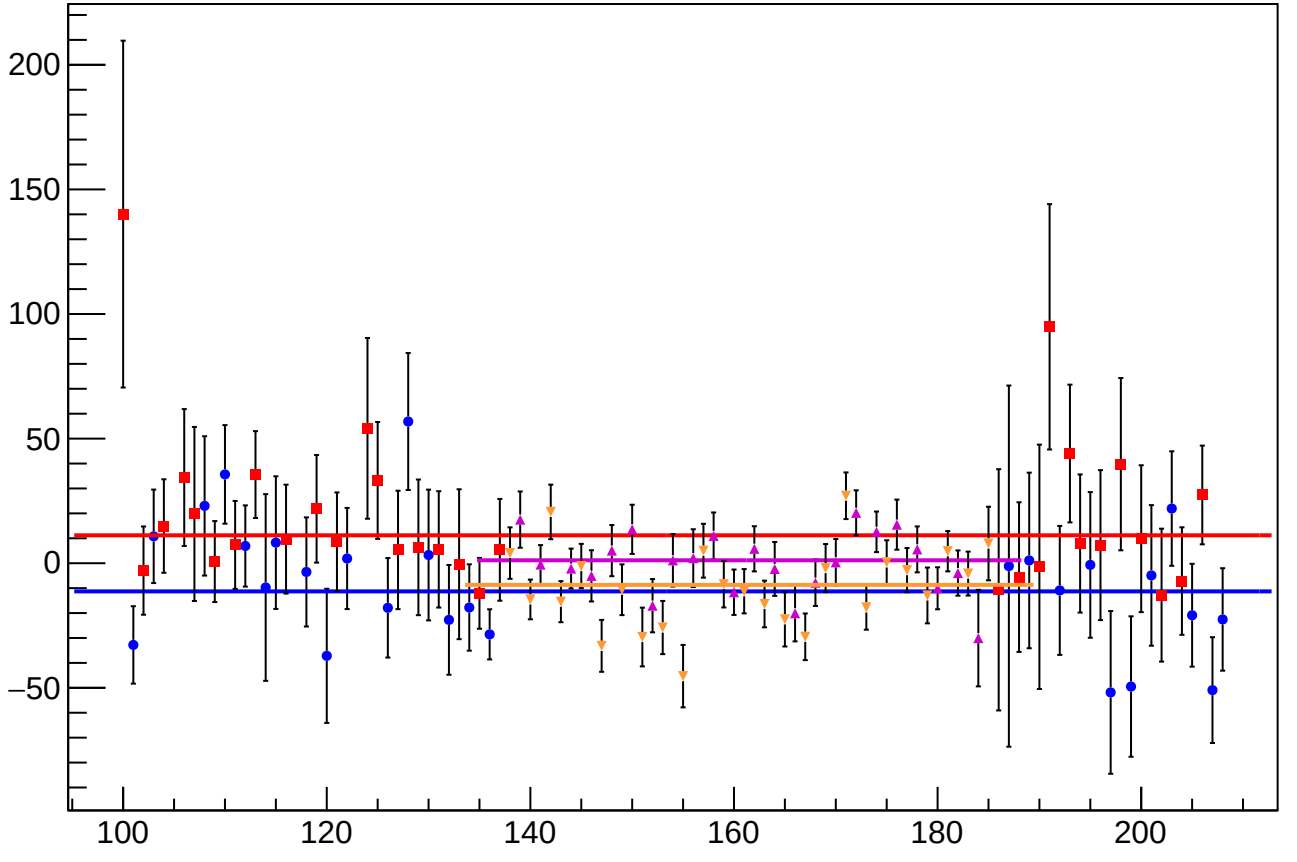
Right: 6513.778+/-0.845 χ^2/NDF: 4029699.4/57

In: 6616.419+/-0.819 χ^2/NDF:2330846.8/49

Out: 6685.835+/-0.811 χ^2/NDF:2752436.0/55

All: 6651.465+/-0.576 χ^2/NDF: 5086910.1/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -11.301+/-4.113 χ^2/NDF: 33.4/26

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.201+/-4.239 χ^2/NDF: 20.7/30

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

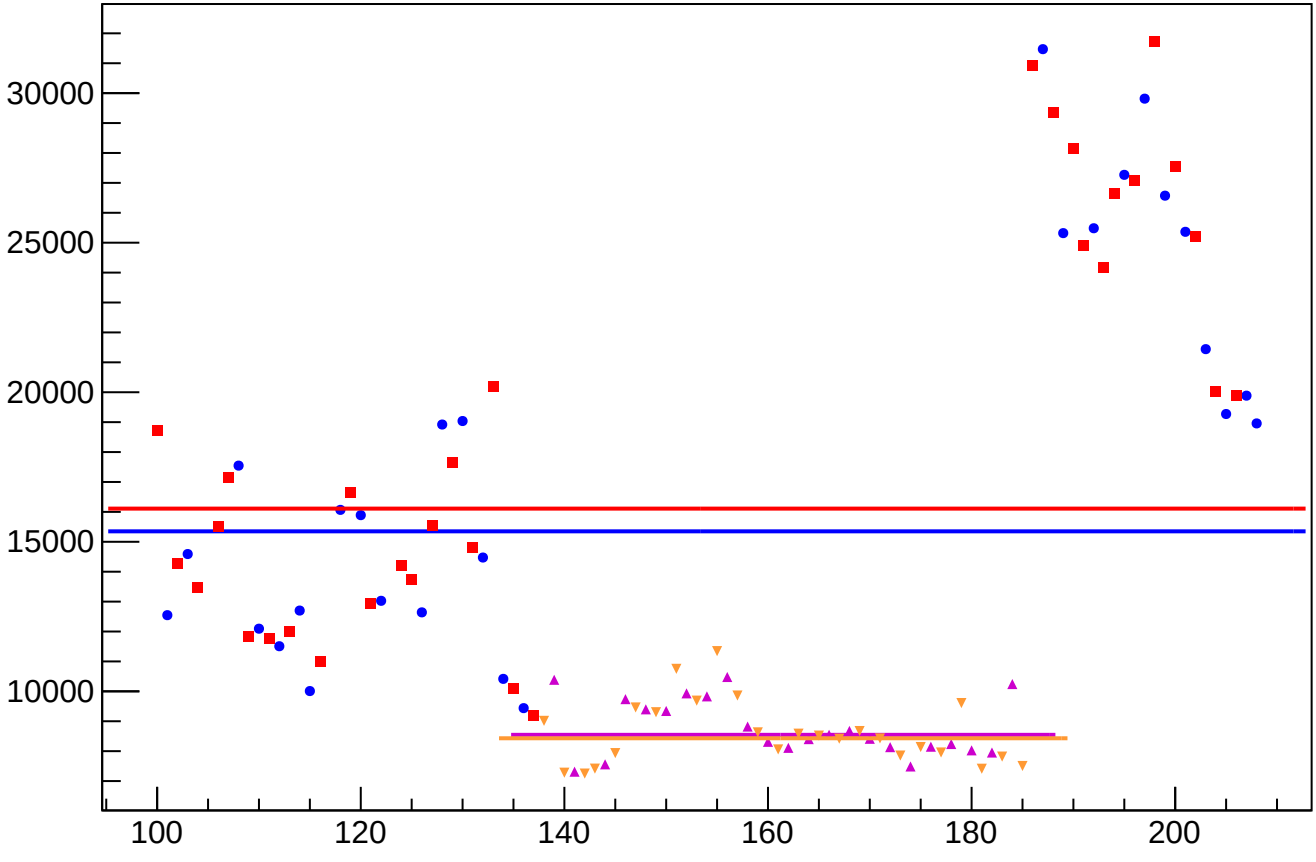
Right: -0.389+/-2.952 χ^2/NDF: 68.7/57

In: -1.235+/-1.808 χ^2/NDF:69.4/49

Out: -5.259+/-1.761 χ^2/NDF:100.4/55

All: -3.300+/-1.261 χ^2/NDF: 172.3/105

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15349.576+/-2.909 χ^2/NDF: 3556876.5/26

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16109.381+/-2.998 χ^2/NDF: 3830227.2/30

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

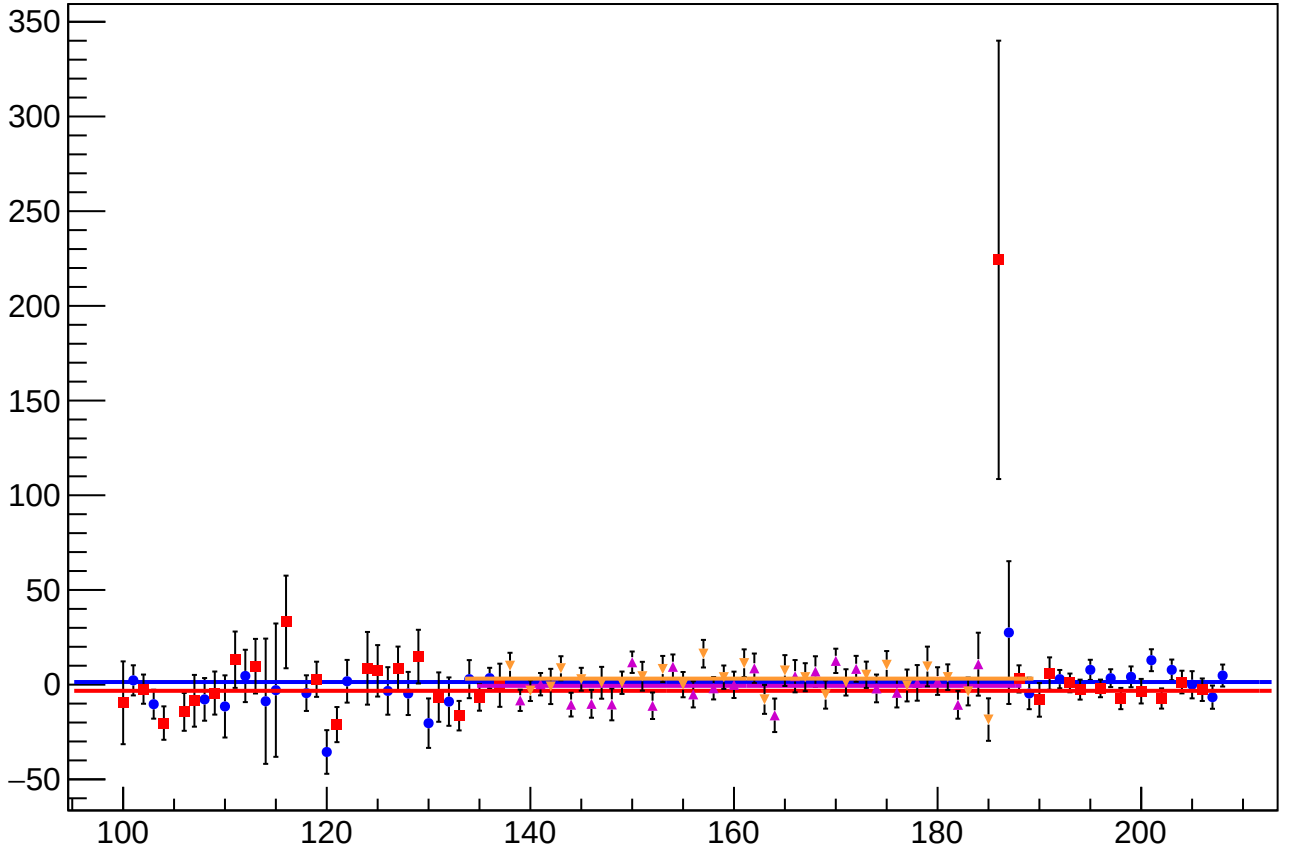
Right: 15718.018+/-2.088 χ^2/NDF: 7420193.0/57

In: 9859.488+/-1.278 χ^2/NDF:8361922.7/49

Out: 9755.848+/-1.245 χ^2/NDF:9743728.1/55

All: 9806.319+/-0.892 χ^2/NDF: 18109023.6/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.391+/-1.477 χ^2/NDF: 28.9/26

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.257+/-1.450 χ^2/NDF: 29.0/30

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

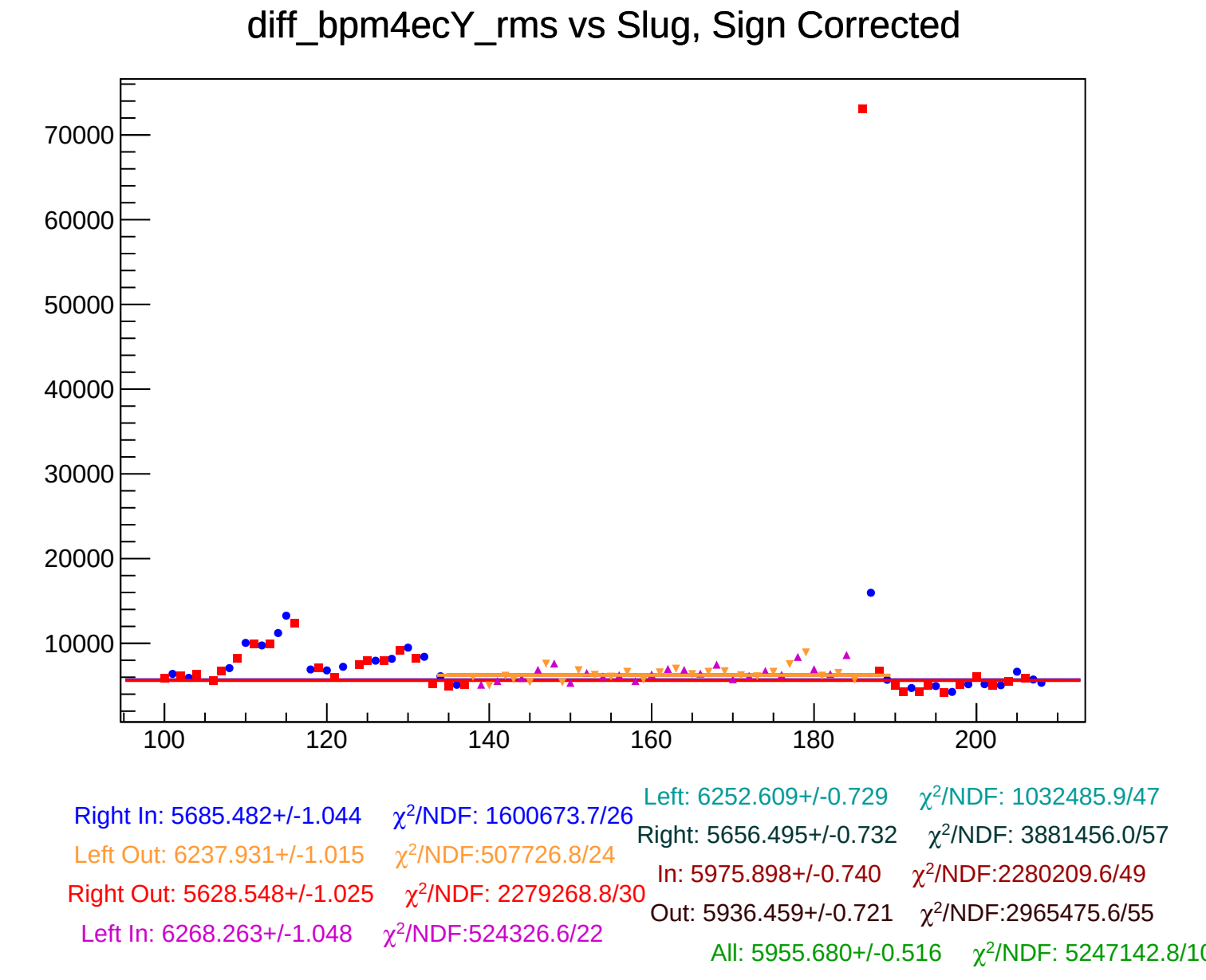
Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

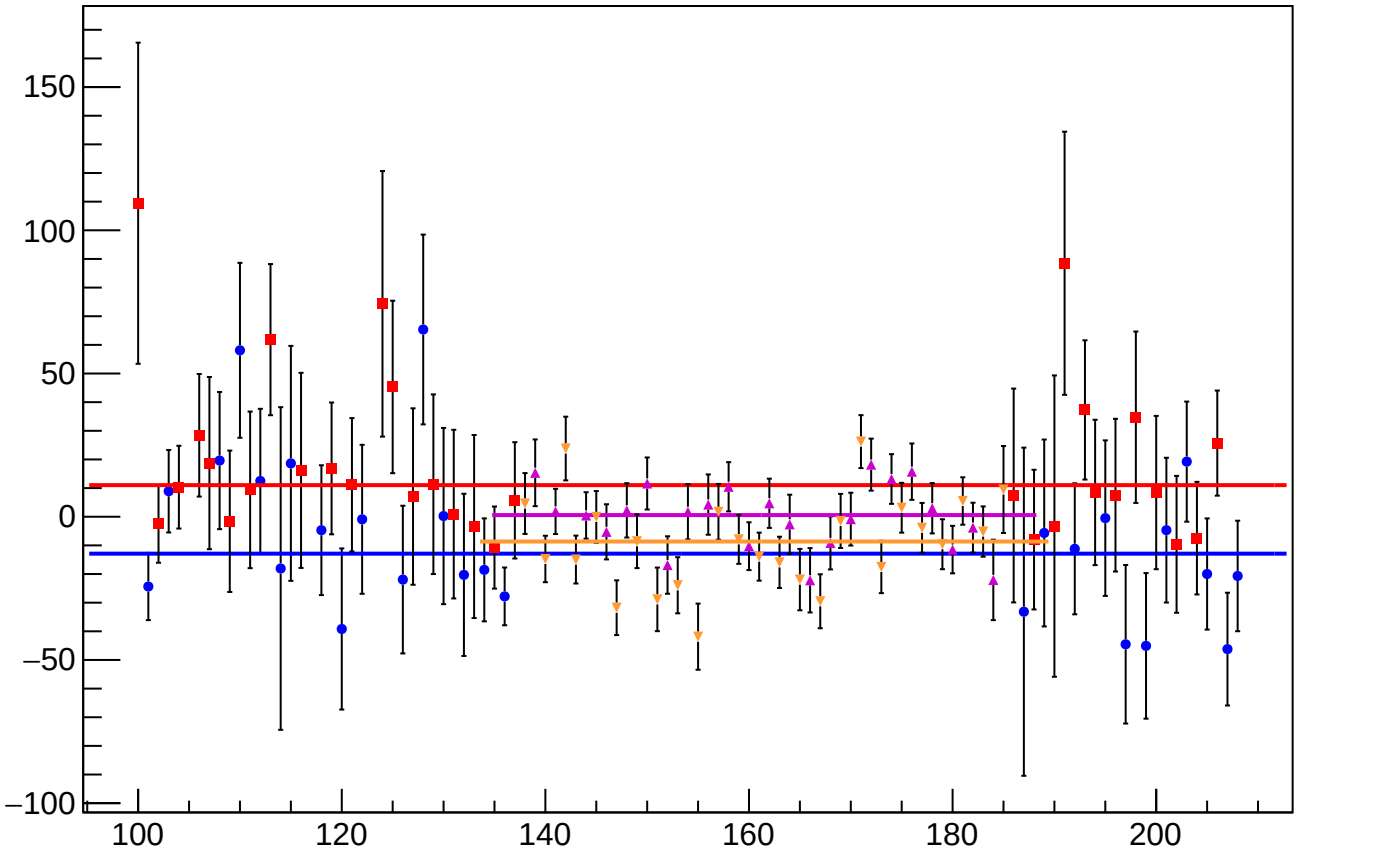
Right: -0.976+/-1.035 χ^2/NDF: 62.9/57

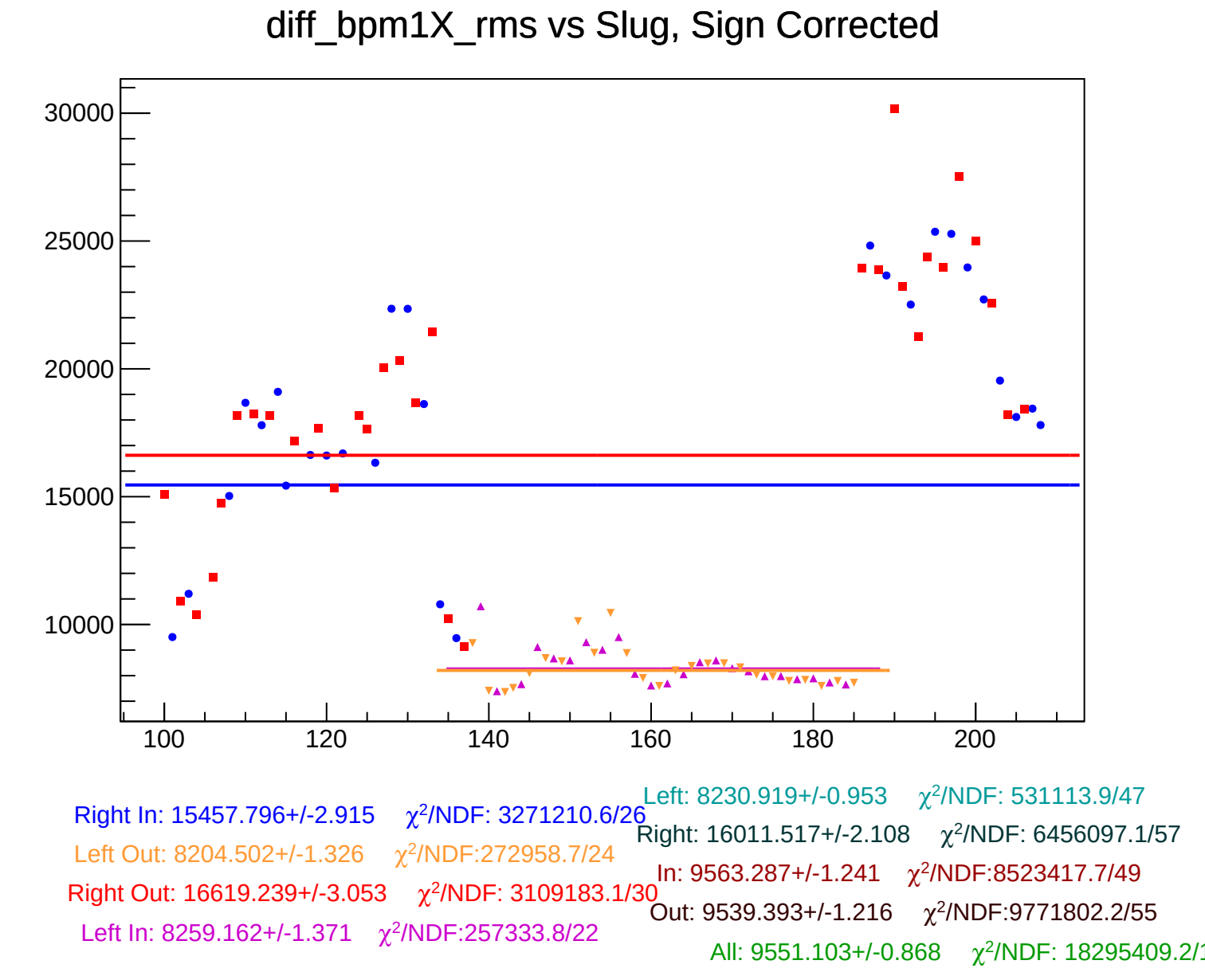
In: 0.382+/-1.046 χ^2/NDF:61.7/49

Out: -0.002+/-1.020 χ^2/NDF:57.6/55

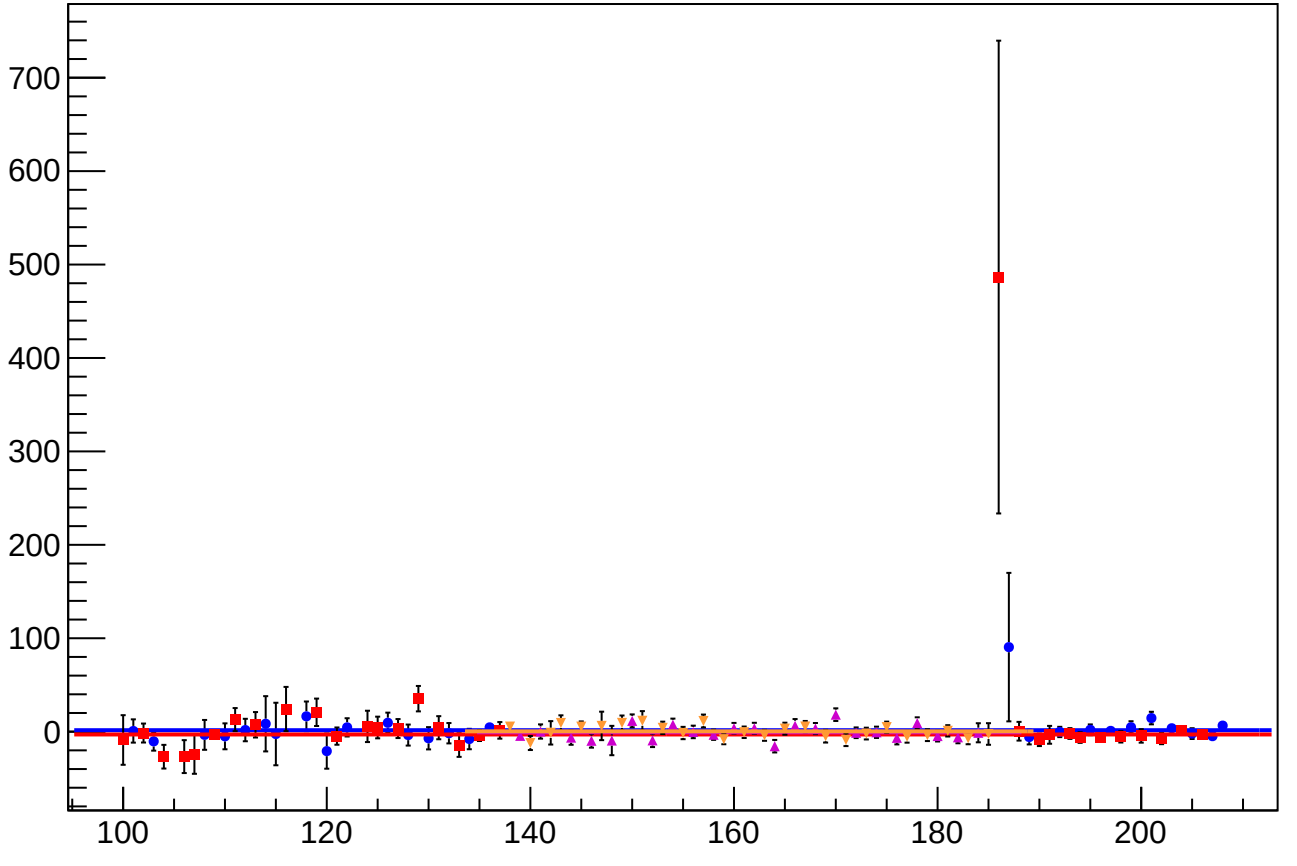
All: 0.185+/-0.730 χ^2/NDF: 119.4/105


diff_bpm4ecY_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5685.482+/-1.044 χ²/NDF: 1600673.7/26
Left Out: 6237.931+/-1.015 χ²/NDF:507726.8/24
Right Out: 5628.548+/-1.025 χ²/NDF: 2279268.8/30
Left In: 6268.263+/-1.048 χ²/NDF:524326.6/22
Left: 6252.609+/-0.729 χ²/NDF: 1032485.9/47
Right: 5656.495+/-0.732 χ²/NDF: 3881456.0/57
In: 5975.898+/-0.740 χ²/NDF:2280209.6/49
Out: 5936.459+/-0.721 χ²/NDF:2965475.6/55
All: 5955.680+/-0.516 χ²/NDF: 5247142.8/10


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -12.890+/-4.122 χ²/NDF: 30.5/26
Left Out: -8.650+/-1.875 χ²/NDF:63.0/24
Right Out: 11.035+/-4.318 χ²/NDF: 22.4/30
Left In: 0.583+/-1.939 χ²/NDF:28.5/22
Left: -4.188+/-1.348 χ²/NDF: 103.3/47
Right: -1.484+/-2.982 χ²/NDF: 68.9/57
In: -1.858+/-1.754 χ²/NDF:67.7/49
Out: -5.527+/-1.720 χ²/NDF:102.9/55
All: -3.729+/-1.228 χ²/NDF: 172.9/105


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15457.796+/-2.915 χ²/NDF: 3271210.6/26
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16619.239+/-3.053 χ²/NDF: 3109183.1/30
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 16011.517+/-2.108 χ²/NDF: 6456097.1/57
In: 9563.287+/-1.241 χ²/NDF:8523417.7/49
Out: 9539.393+/-1.216 χ²/NDF:9771802.2/55
All: 9551.103+/-0.868 χ²/NDF: 18295409.2/

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.572+/-1.481 χ^2/NDF: 16.2/26

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.995+/-1.442 χ^2/NDF: 29.8/30

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

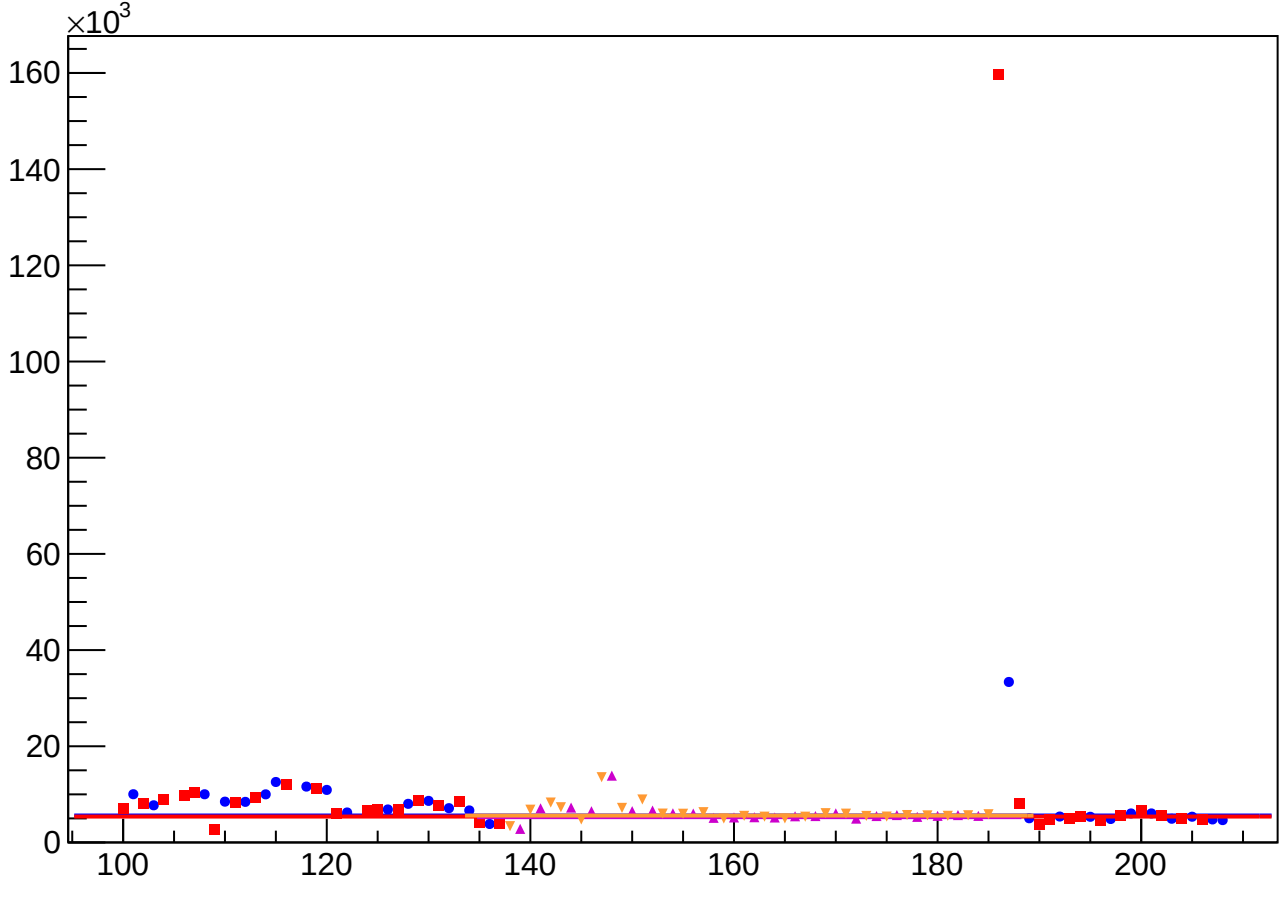
Right: -0.772+/-1.033 χ^2/NDF: 50.9/57

In: 0.276+/-0.973 χ^2/NDF:47.5/49

Out: -1.175+/-0.974 χ^2/NDF:54.3/55

All: -0.449+/-0.689 χ^2/NDF: 102.8/105

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5604.647+/-1.047 χ^2/NDF: 2434973.2/26

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5385.062+/-1.020 χ^2/NDF: 3782814.6/30

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

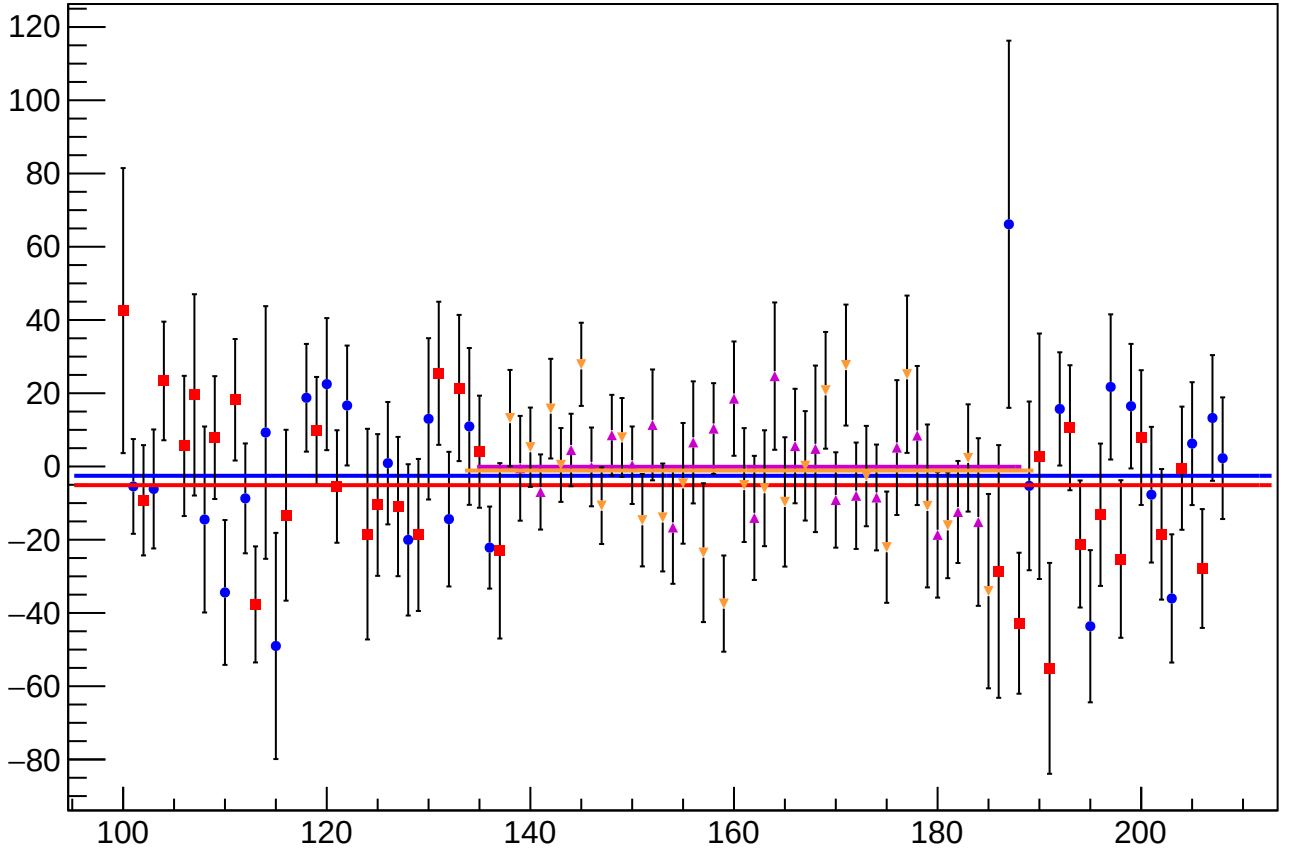
Right: 5491.941+/-0.731 χ^2/NDF: 6240345.6/57

In: 5410.366+/-0.688 χ^2/NDF:4921120.8/49

Out: 5498.924+/-0.689 χ^2/NDF:5589995.2/55

All: 5454.593+/-0.487 χ^2/NDF: 10519384.5/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.541+/-3.445 χ^2/NDF: 30.9/26

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -5.103+/-3.418 χ^2/NDF: 32.9/30

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

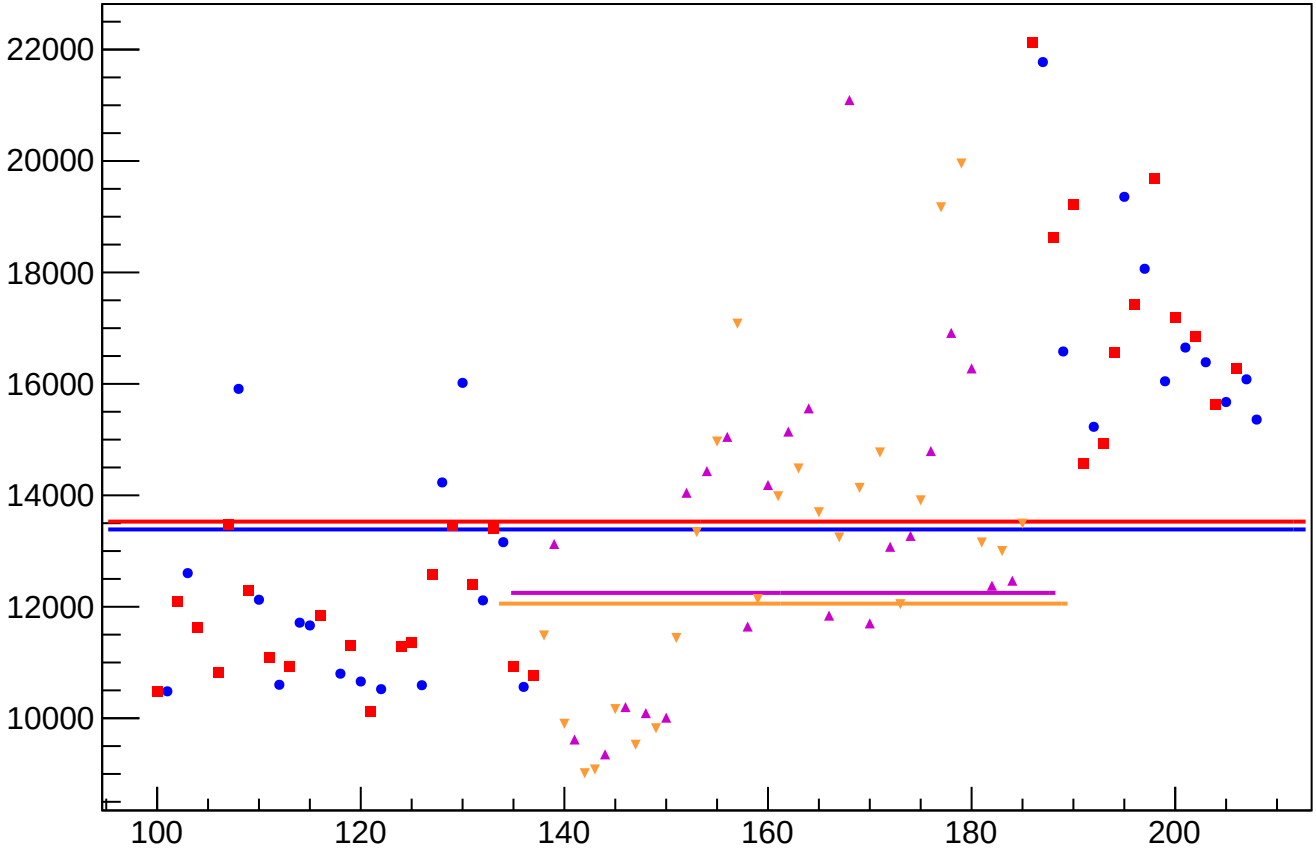
Right: -3.832+/-2.427 χ^2/NDF: 64.1/57

In: -1.114+/-2.230 χ^2/NDF:42.6/49

Out: -2.723+/-2.172 χ^2/NDF:67.5/55

All: -1.940+/-1.556 χ^2/NDF: 110.4/105

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13387.827+/-2.436 χ^2/NDF: 1290955.0/26

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13528.446+/-2.417 χ^2/NDF: 1376575.1/30

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

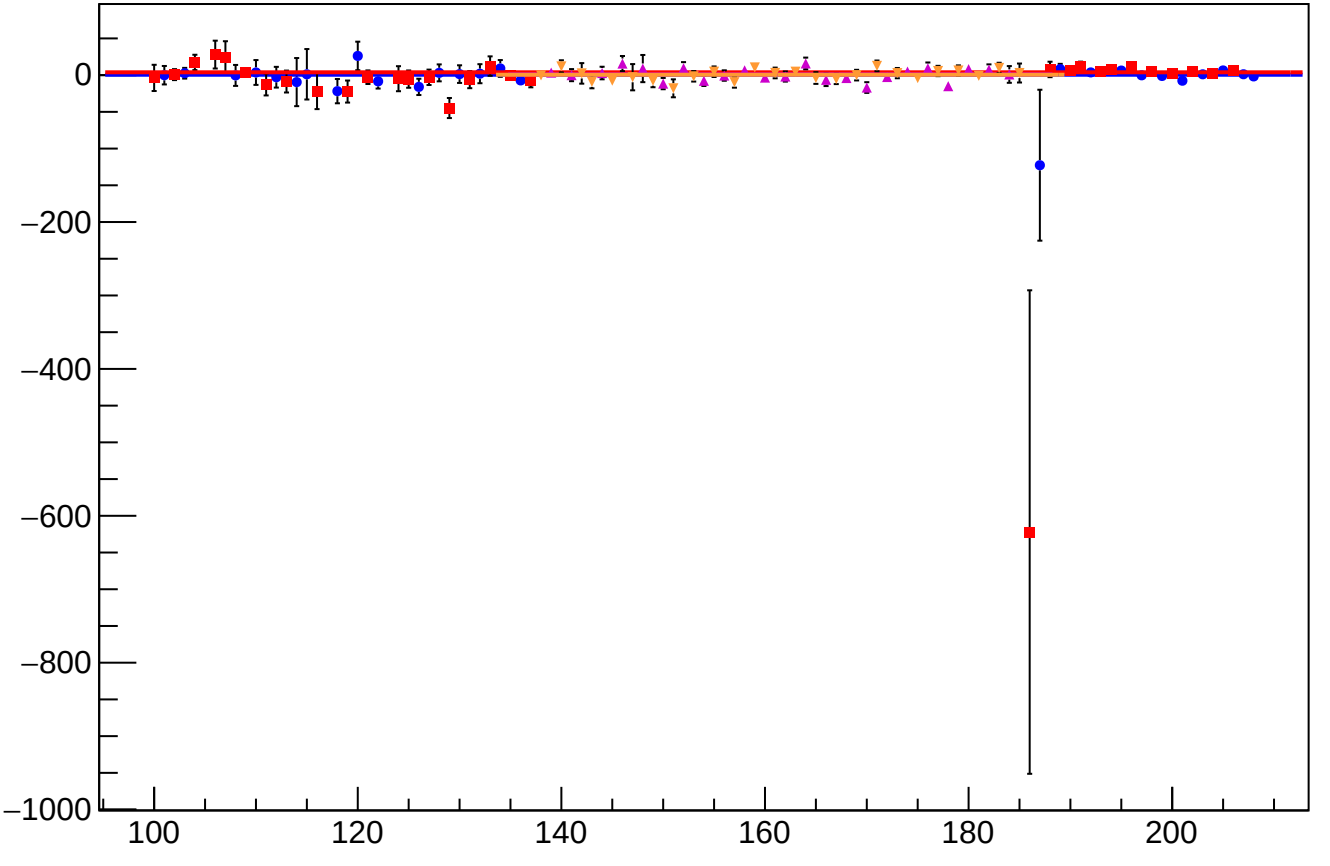
Right: 13458.678+/-1.716 χ^2/NDF: 2669209.1/57

In: 12726.389+/-1.577 χ^2/NDF:2833919.0/49

Out: 12650.938+/-1.536 χ^2/NDF:3159341.9/55

All: 12687.668+/-1.100 χ^2/NDF: 5994435.5/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.547+/-1.278 χ^2/NDF: 20.1/26

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.855+/-1.282 χ^2/NDF: 37.1/30

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

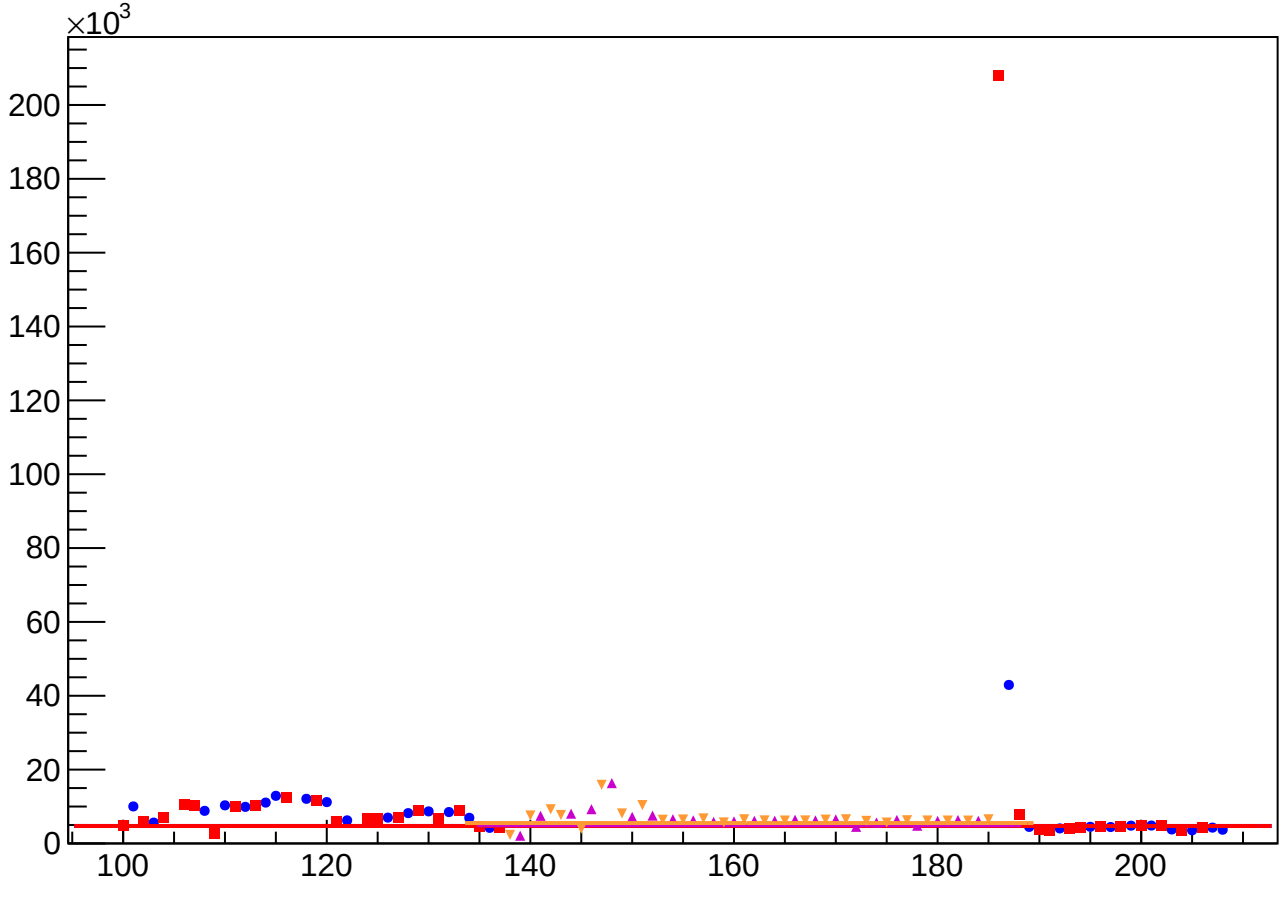
Right: 2.196+/-0.905 χ^2/NDF: 60.6/57

In: 0.744+/-0.909 χ^2/NDF:52.3/49

Out: 2.299+/-0.936 χ^2/NDF:61.7/55

All: 1.500+/-0.652 χ^2/NDF: 115.4/105

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4738.757+/-0.903 χ^2/NDF: 3423468.2/26

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4721.888+/-0.906 χ^2/NDF: 3968846.2/30

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

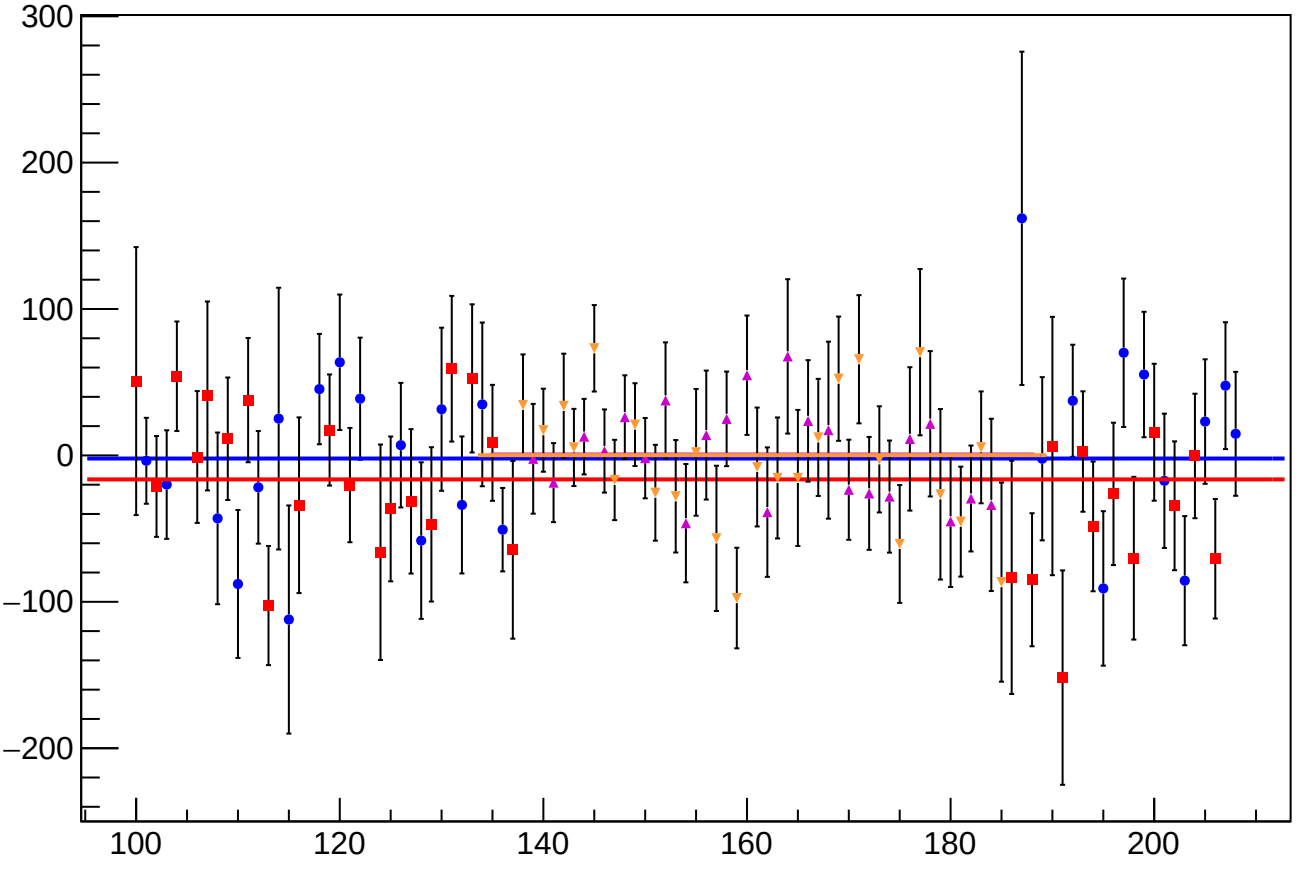
Right: 4730.348+/-0.640 χ^2/NDF: 7392488.2/57

In: 4839.066+/-0.643 χ^2/NDF:9384550.5/49

Out: 5098.475+/-0.662 χ^2/NDF:8714172.7/55

All: 4965.082+/-0.461 χ^2/NDF: 18177796.8/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

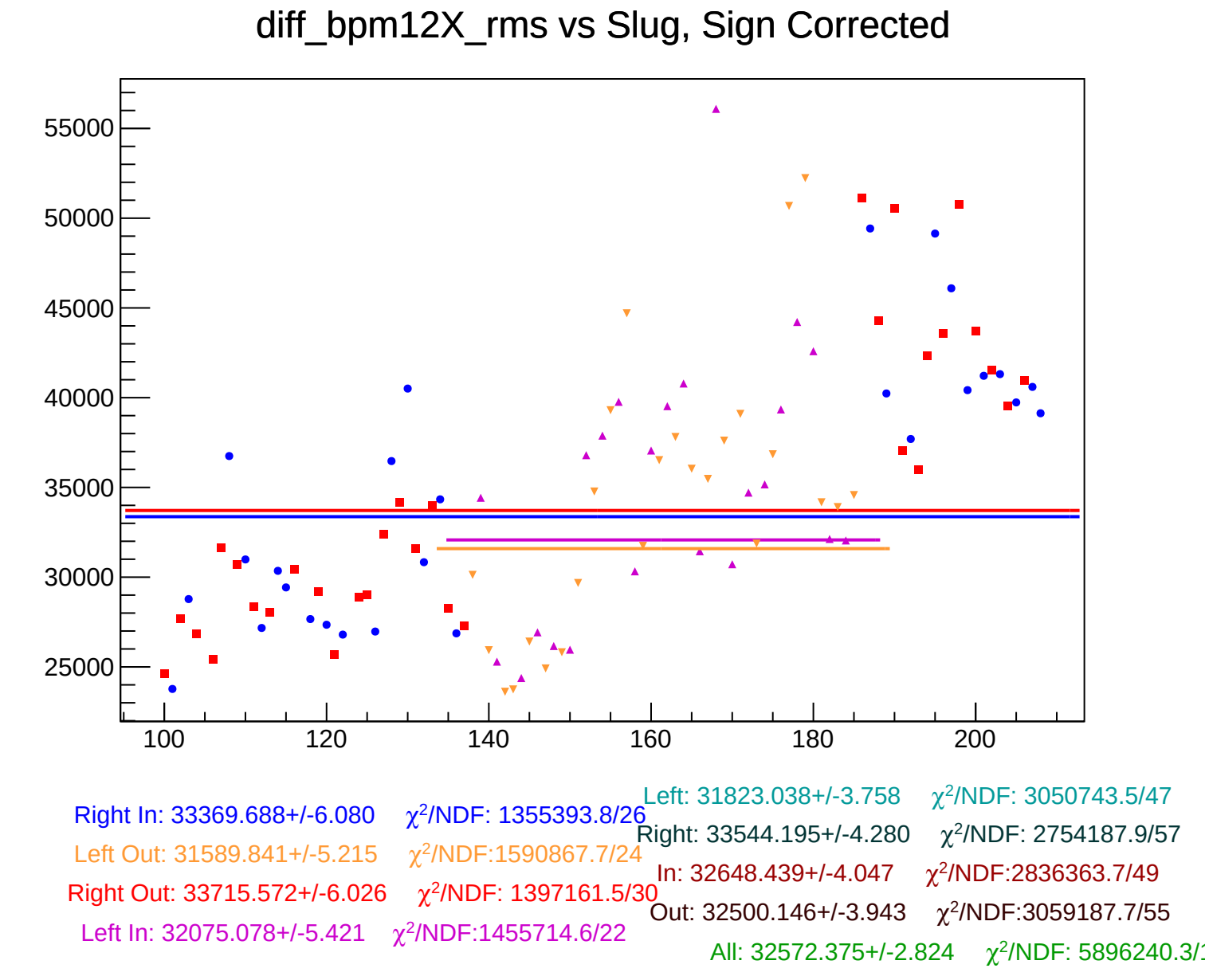
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -9.317+/-6.053 χ^2/NDF: 61.9/57

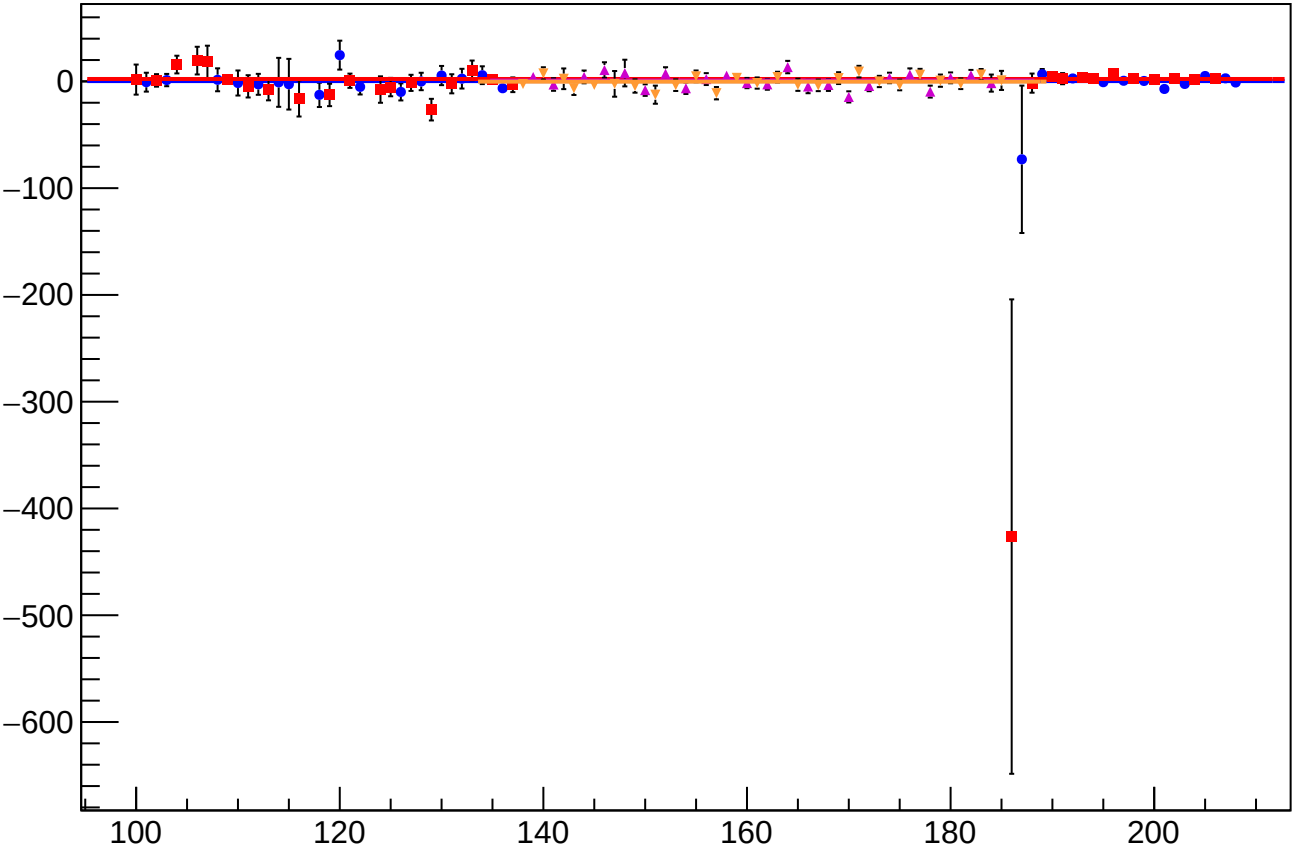
In: -0.616+/-5.723 χ^2/NDF:44.0/49

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -3.848+/-3.994 χ^2/NDF: 107.3/105


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33369.688+/-6.080 χ²/NDF: 1355393.8/26
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33715.572+/-6.026 χ²/NDF: 1397161.5/30
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 33544.195+/-4.280 χ²/NDF: 2754187.9/57
In: 32648.439+/-4.047 χ²/NDF:2836363.7/49
Out: 32500.146+/-3.943 χ²/NDF:3059187.7/55
All: 32572.375+/-2.824 χ²/NDF: 5896240.3/

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.281+/-0.776 χ^2/NDF: 28.5/26

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.253+/-0.840 χ^2/NDF: 29.1/30

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

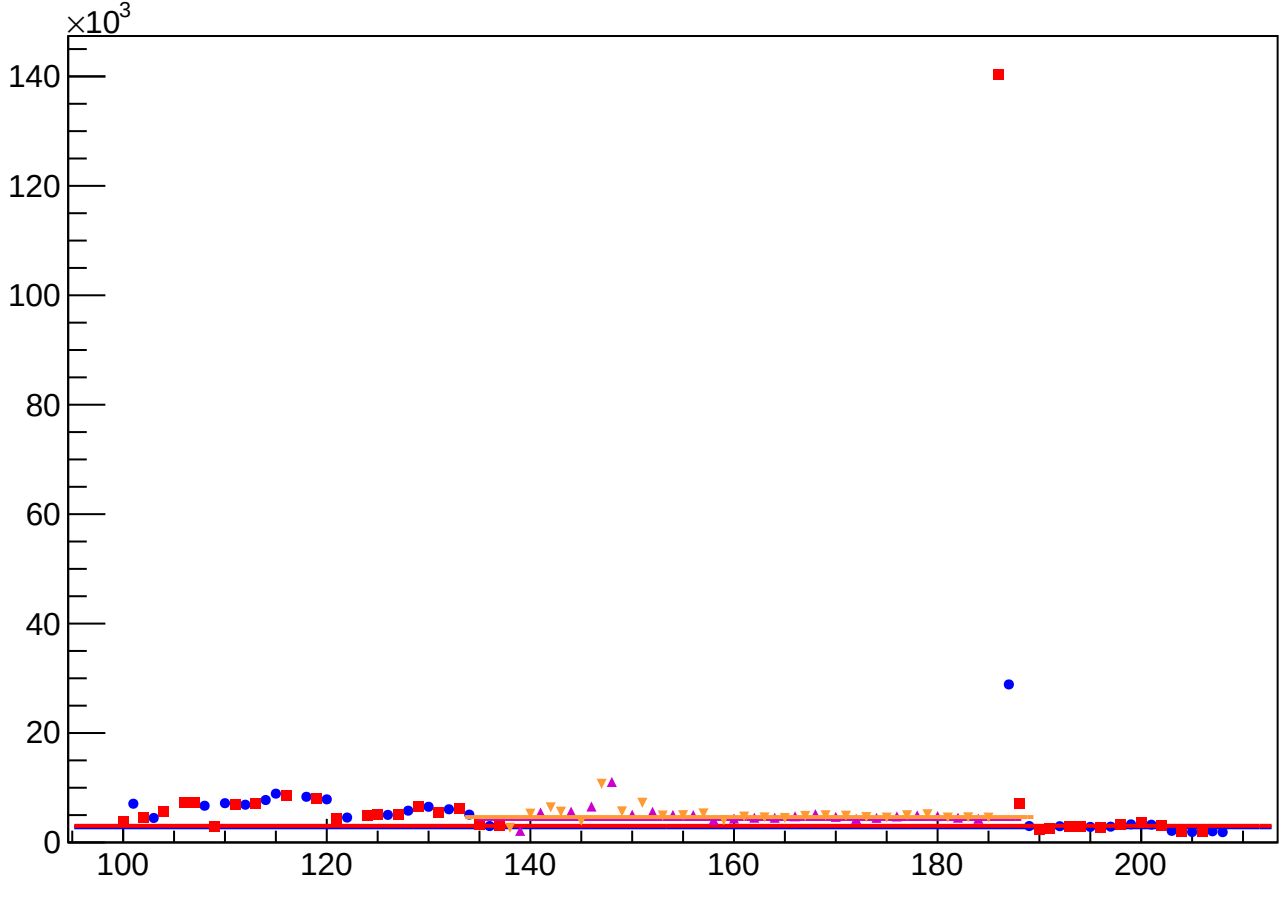
Right: 1.189+/-0.570 χ^2/NDF: 60.6/57

In: 0.458+/-0.626 χ^2/NDF:62.4/49

Out: 1.334+/-0.666 χ^2/NDF:52.2/55

All: 0.869+/-0.456 χ^2/NDF: 115.5/105

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2775.046+/-0.549 χ^2/NDF: 5366299.0/26

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3038.130+/-0.594 χ^2/NDF: 5355182.3/30

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

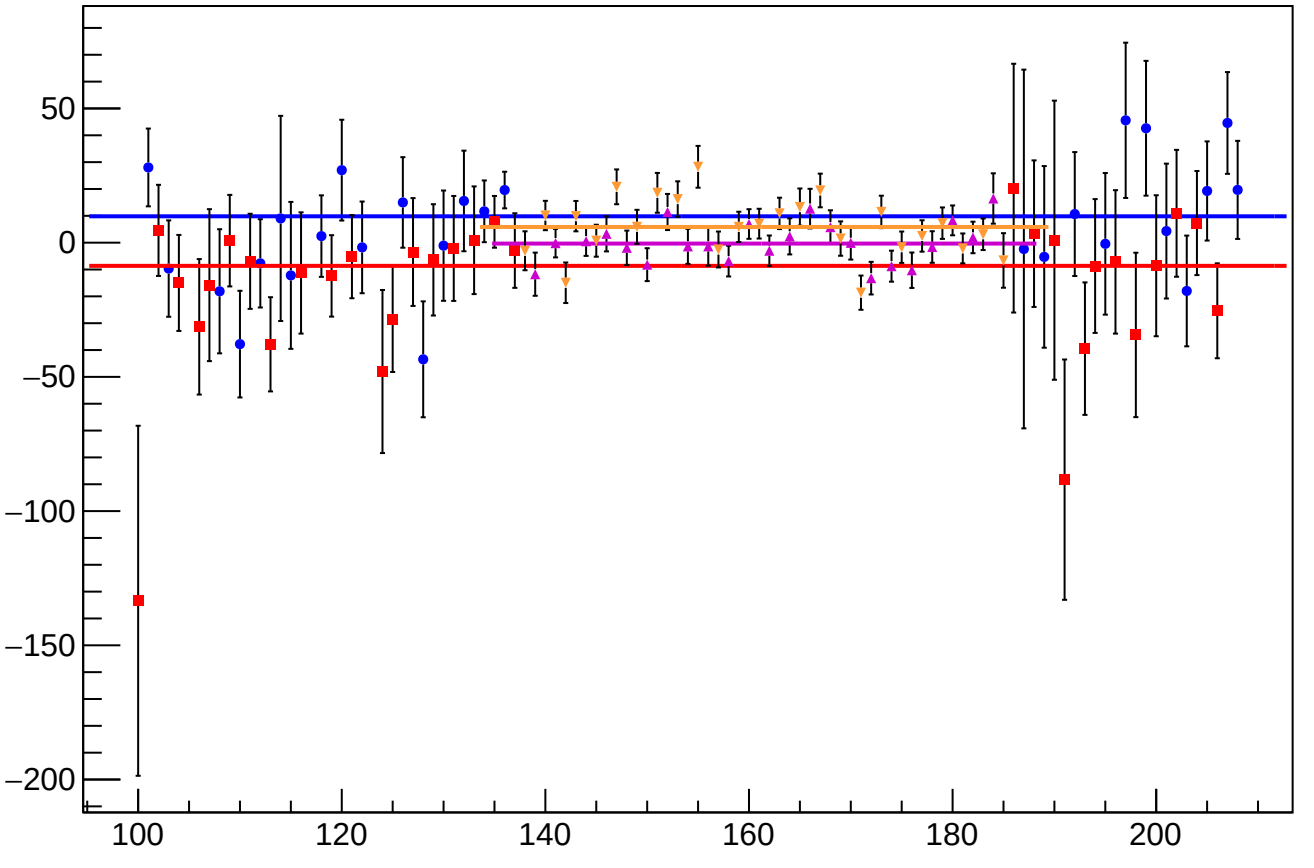
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 2896.155+/-0.403 χ^2/NDF: 10827350.6/57

In: 3304.870+/-0.443 χ^2/NDF:11137881.4/49

Out: 3631.347+/-0.471 χ^2/NDF:9807311.9/55

All: 3457.999+/-0.323 χ^2/NDF: 21200189.8/1



Right In: 9.822+/-3.364 χ^2/NDF: 31.3/26

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -8.638+/-3.604 χ^2/NDF: 23.0/30

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

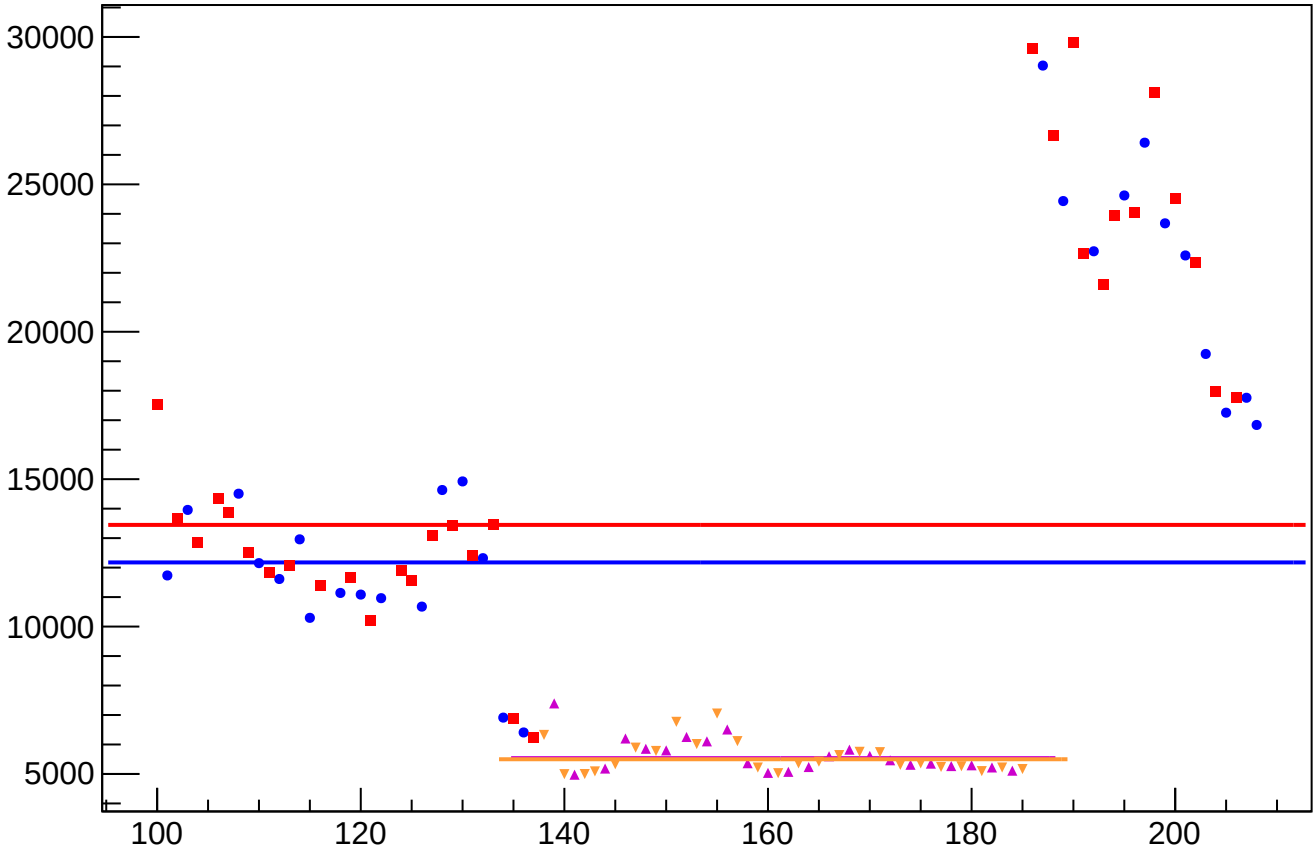
Right: 1.227+/-2.459 χ^2/NDF: 68.3/57

In: 0.985+/-1.213 χ^2/NDF:68.6/49

Out: 4.276+/-1.187 χ^2/NDF:97.4/55

All: 2.666+/-0.849 χ^2/NDF: 169.8/105

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 12175.753+/-2.379 χ^2/NDF: 5199278.5/26

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13448.677+/-2.548 χ^2/NDF: 4883284.0/30

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

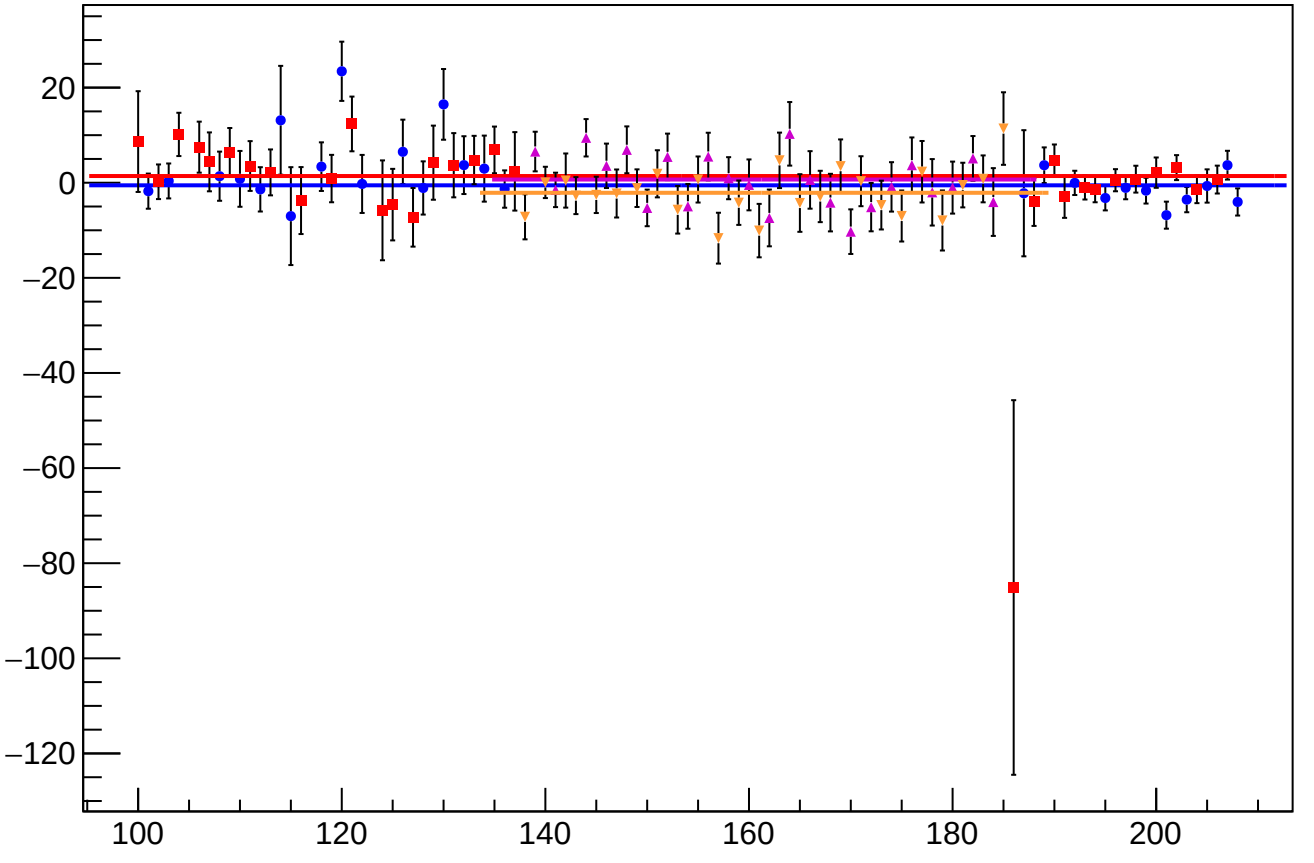
Right: 12768.458+/-1.739 χ^2/NDF: 10215914.9/57

In: 6401.260+/-0.858 χ^2/NDF:12278346.4/49

Out: 6362.018+/-0.839 χ^2/NDF:13857202.9/55

All: 6381.213+/-0.600 χ^2/NDF: 26136618.2/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.544+/-0.741 χ^2/NDF: 37.0/26

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.409+/-0.735 χ^2/NDF: 27.8/30

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

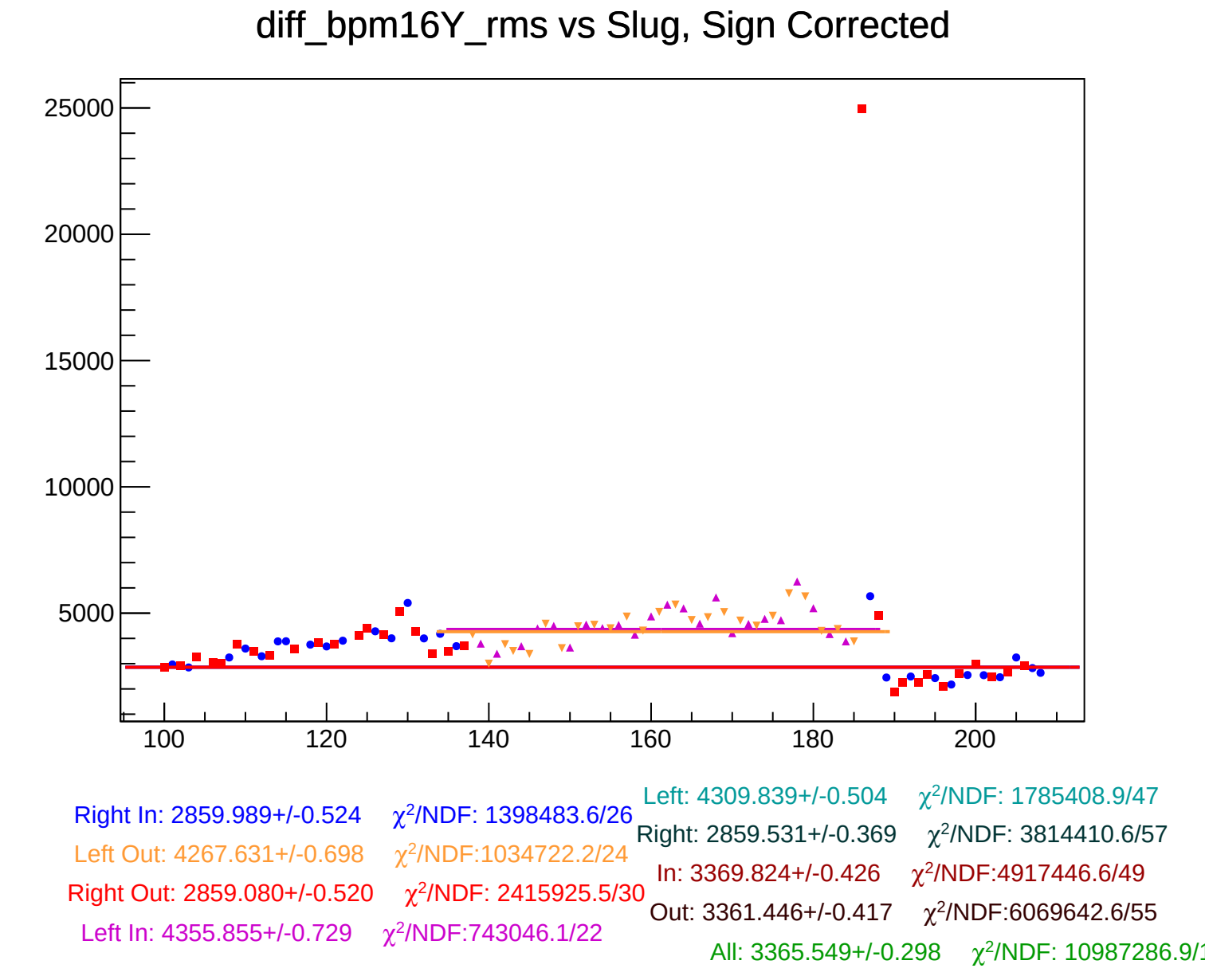
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 0.441+/-0.522 χ^2/NDF: 68.2/57

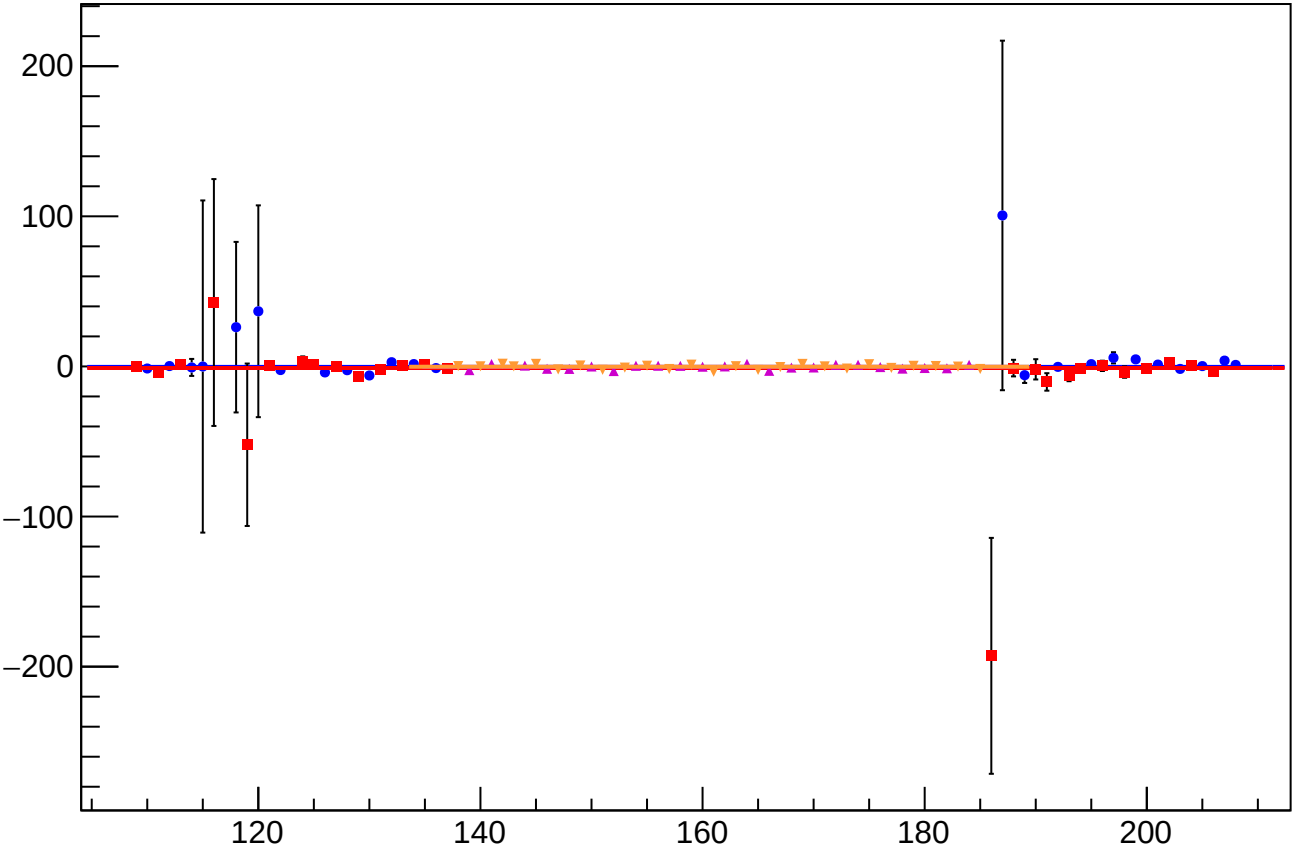
In: -0.130+/-0.602 χ^2/NDF:66.3/49

Out: 0.152+/-0.590 χ^2/NDF:53.4/55

All: 0.014+/-0.421 χ^2/NDF: 119.8/105


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2859.989+/-0.524 χ²/NDF: 1398483.6/26
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2859.080+/-0.520 χ²/NDF: 2415925.5/30
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2859.531+/-0.369 χ²/NDF: 3814410.6/57
In: 3369.824+/-0.426 χ²/NDF:4917446.6/49
Out: 3361.446+/-0.417 χ²/NDF:6069642.6/55
All: 3365.549+/-0.298 χ²/NDF: 10987286.9/

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.315+/-0.563 χ^2/NDF: 26.1/23

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -1.046+/-0.580 χ^2/NDF: 27.6/25

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

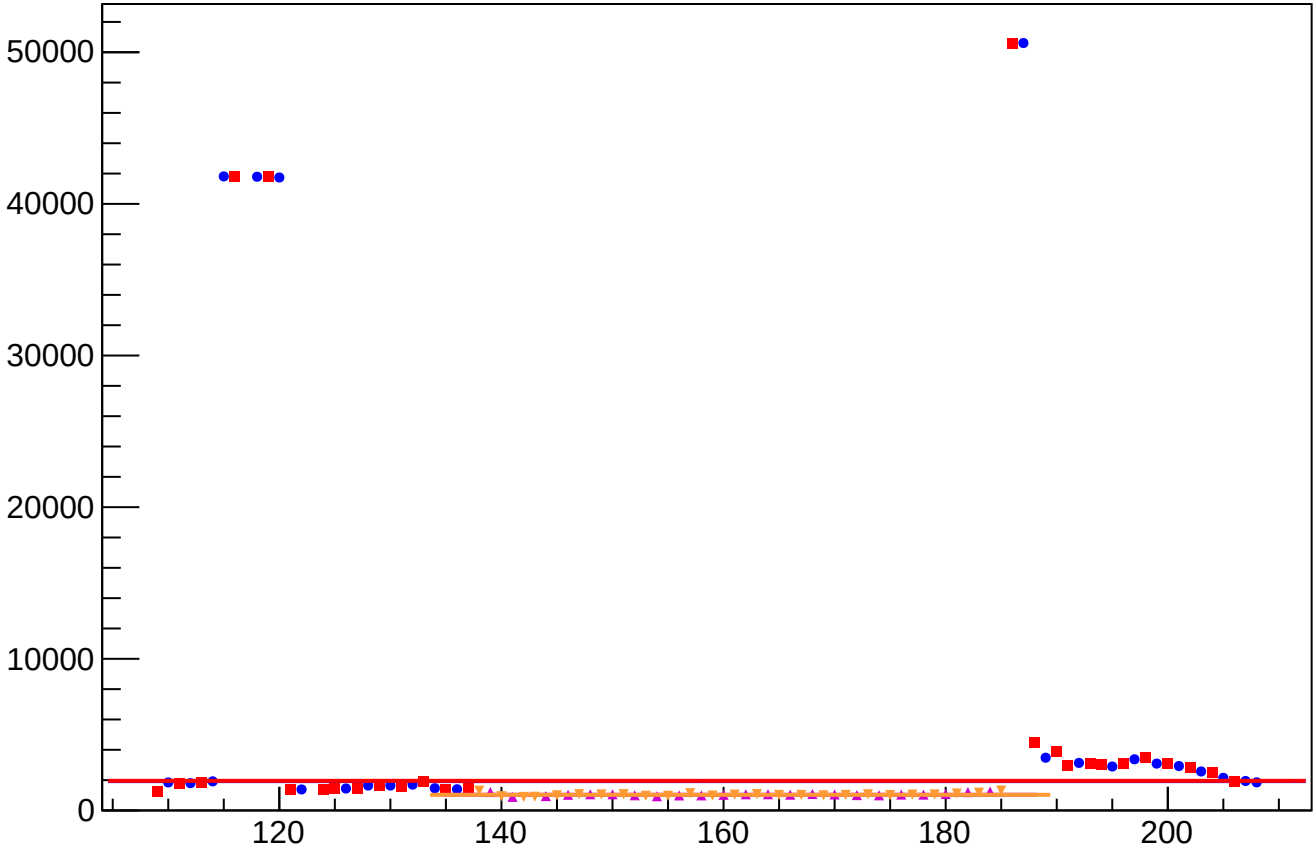
Right: -0.670+/-0.404 χ^2/NDF: 54.5/49

In: -0.330+/-0.222 χ^2/NDF:55.6/46

Out: -0.320+/-0.218 χ^2/NDF:63.3/50

All: -0.325+/-0.156 χ^2/NDF: 118.9/97

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1934.251+/-0.398 χ^2/NDF: 4389987.2/23

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1953.640+/-0.410 χ^2/NDF: 5347150.1/25

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

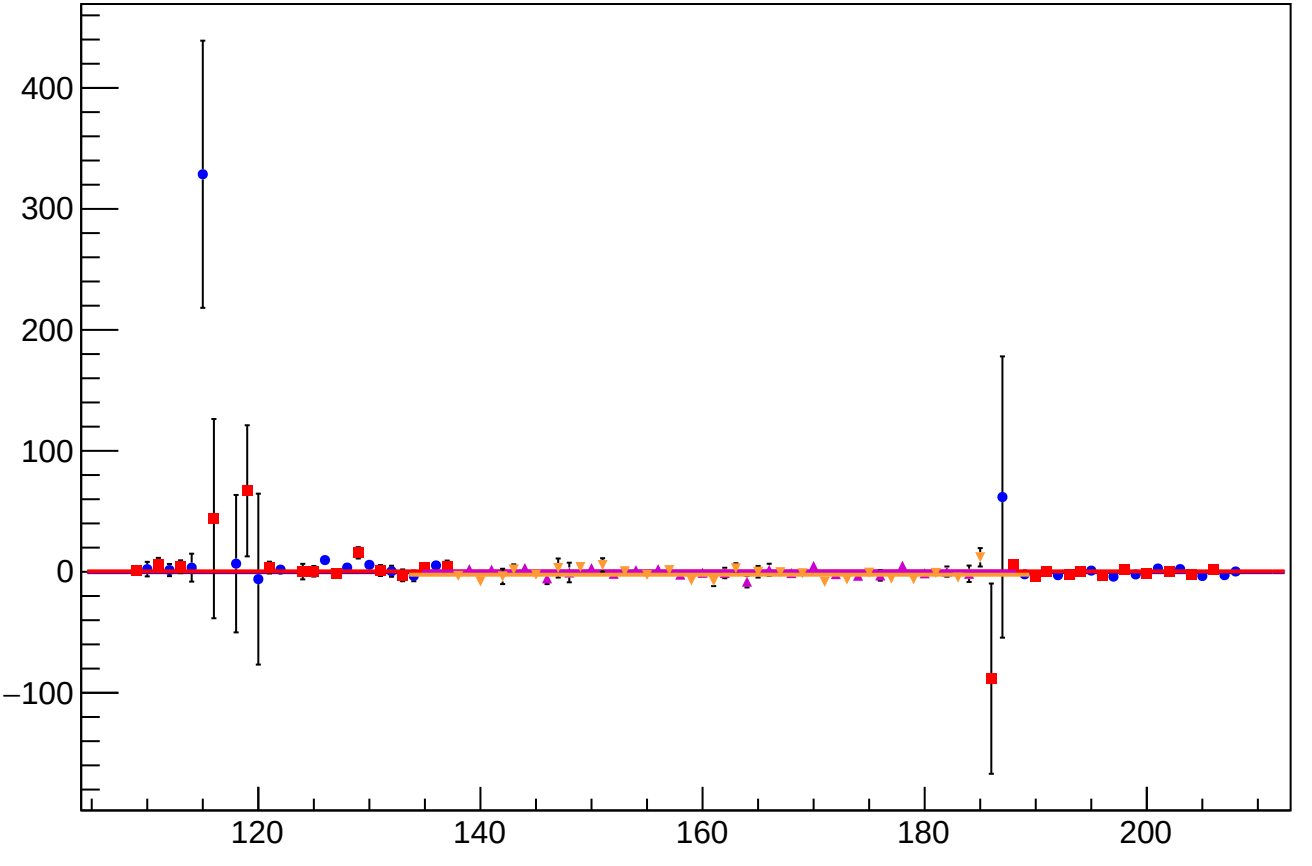
Right: 1943.649+/-0.286 χ^2/NDF: 9738288.5/49

In: 1173.602+/-0.157 χ^2/NDF:8909028.3/46

Out: 1161.924+/-0.154 χ^2/NDF:9929357.3/50

All: 1167.651+/-0.110 χ^2/NDF: 18841194.5/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -0.266+/-0.517 χ^2/NDF: 44.1/23

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.363+/-0.564 χ^2/NDF: 31.3/25

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

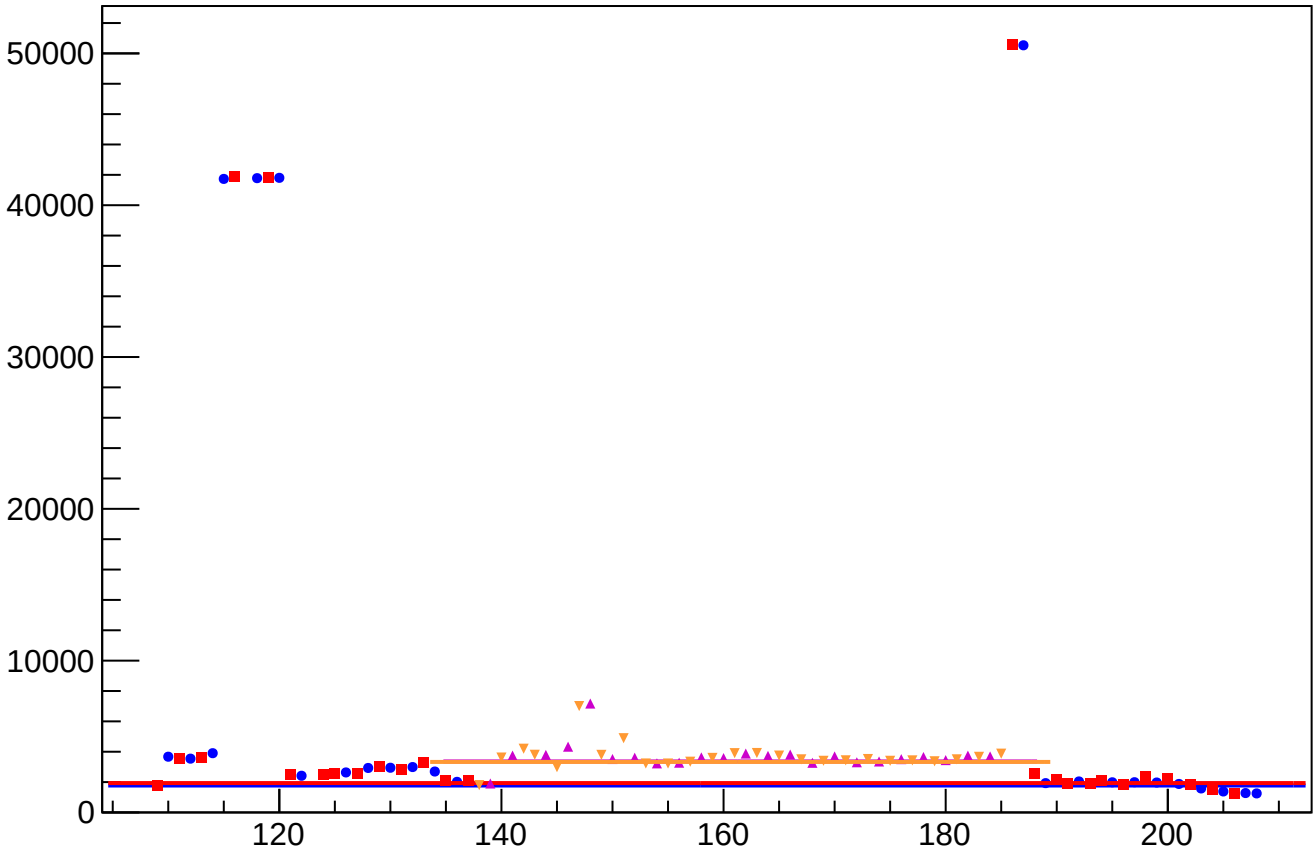
Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

Right: 0.021+/-0.381 χ^2/NDF: 76.0/49

In: -0.139+/-0.436 χ^2/NDF:57.0/46

Out: -0.576+/-0.457 χ^2/NDF:63.7/50

All: -0.347+/-0.316 χ^2/NDF: 121.1/97



Right In: 1774.608+/-0.366 χ^2/NDF: 4312187.8/23

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1936.238+/-0.399 χ^2/NDF: 4080337.5/25

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

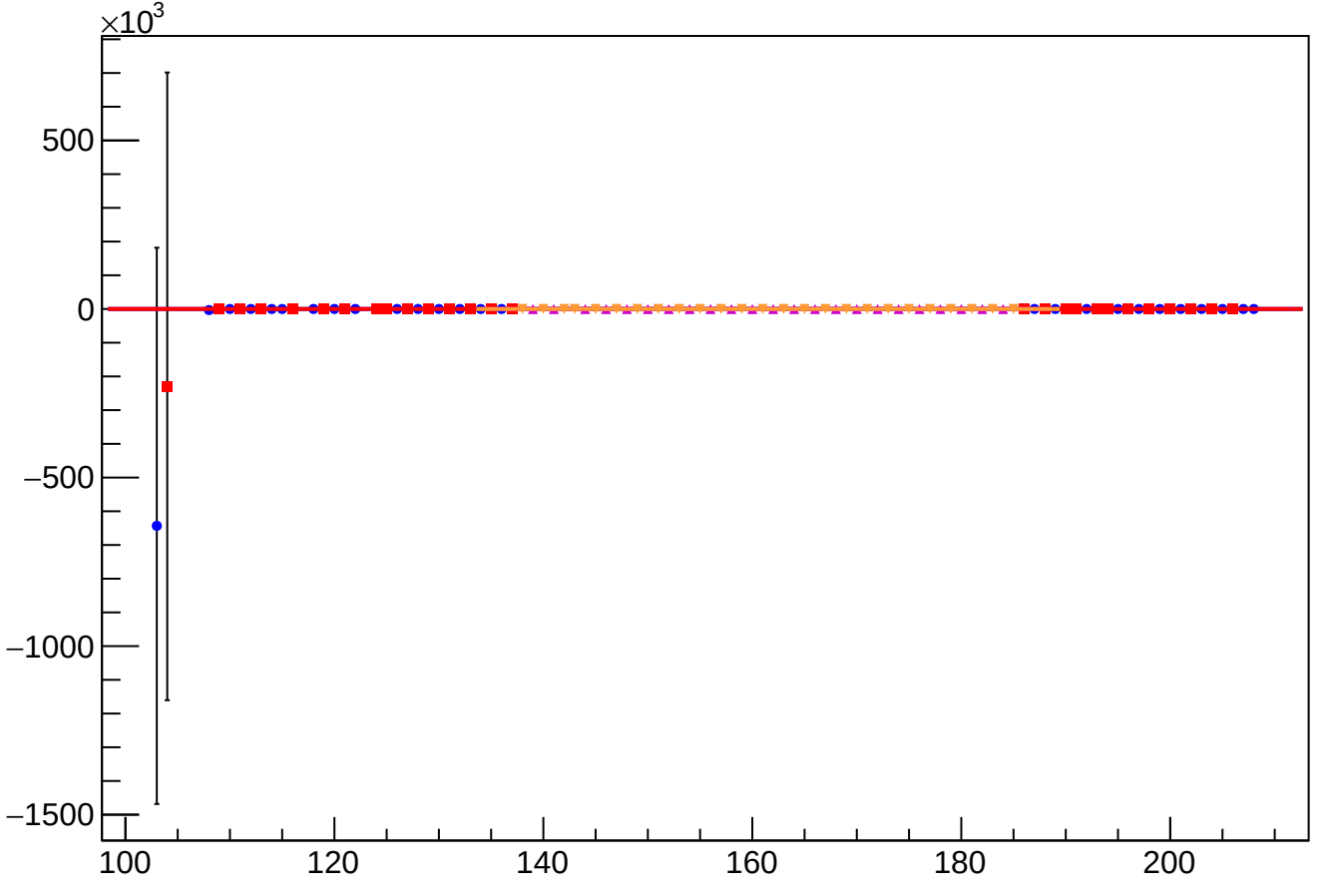
Right: 1848.411+/-0.270 χ^2/NDF: 8481753.8/49

In: 2234.171+/-0.308 χ^2/NDF:11414296.3/46

Out: 2412.562+/-0.323 χ^2/NDF:10163694.4/50

All: 2319.033+/-0.223 χ^2/NDF: 21737422.5/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.417+/-0.598 χ^2/NDF: 29.2/25

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.649+/-0.617 χ^2/NDF: 24.5/26

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

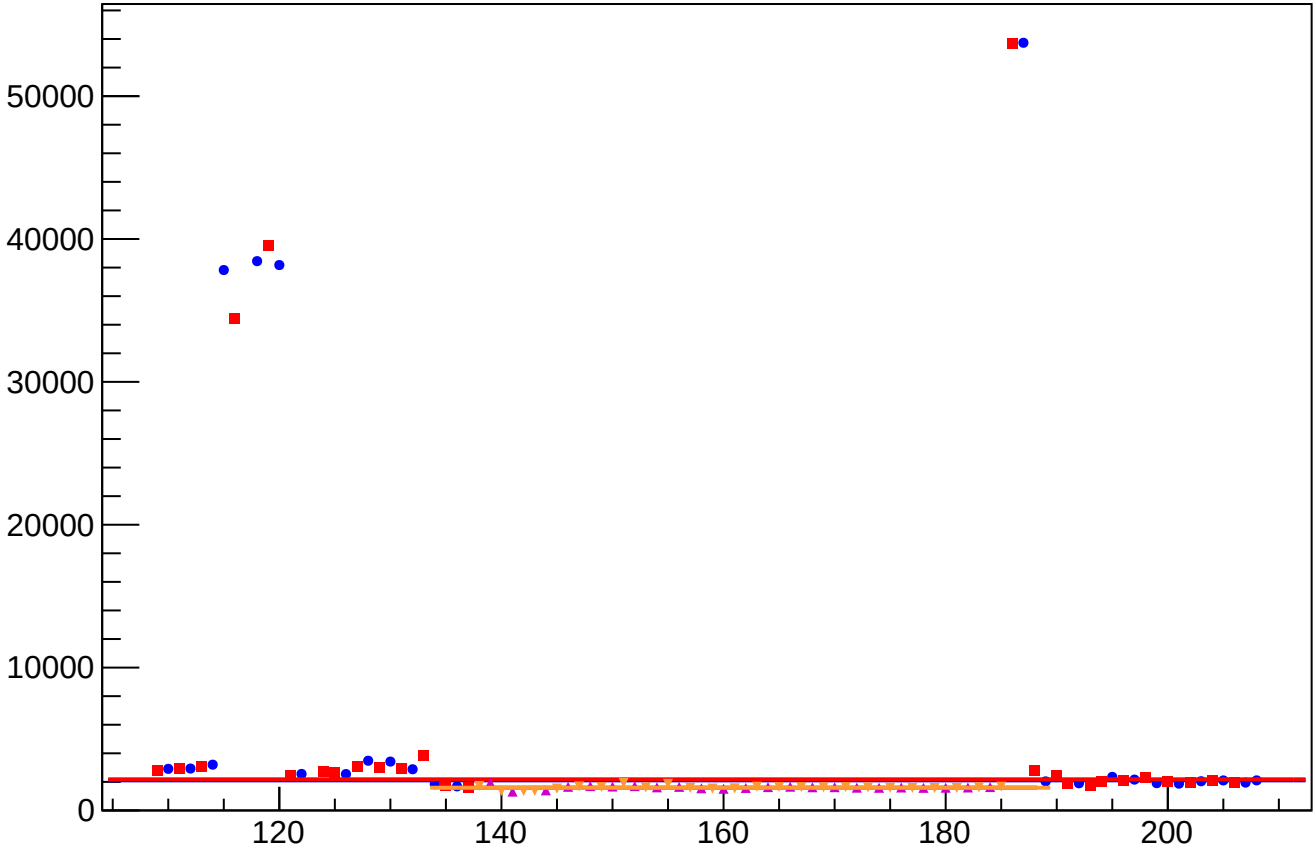
Right: 0.067+/-0.430 χ^2/NDF: 66.4/52

In: -0.412+/-0.317 χ^2/NDF:60.5/48

Out: -0.745+/-0.313 χ^2/NDF:95.0/51

All: -0.581+/-0.223 χ^2/NDF: 156.0/100

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2108.706+/-0.423 χ^2/NDF: 2981161.5/23

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2179.670+/-0.437 χ^2/NDF: 3246315.2/25

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

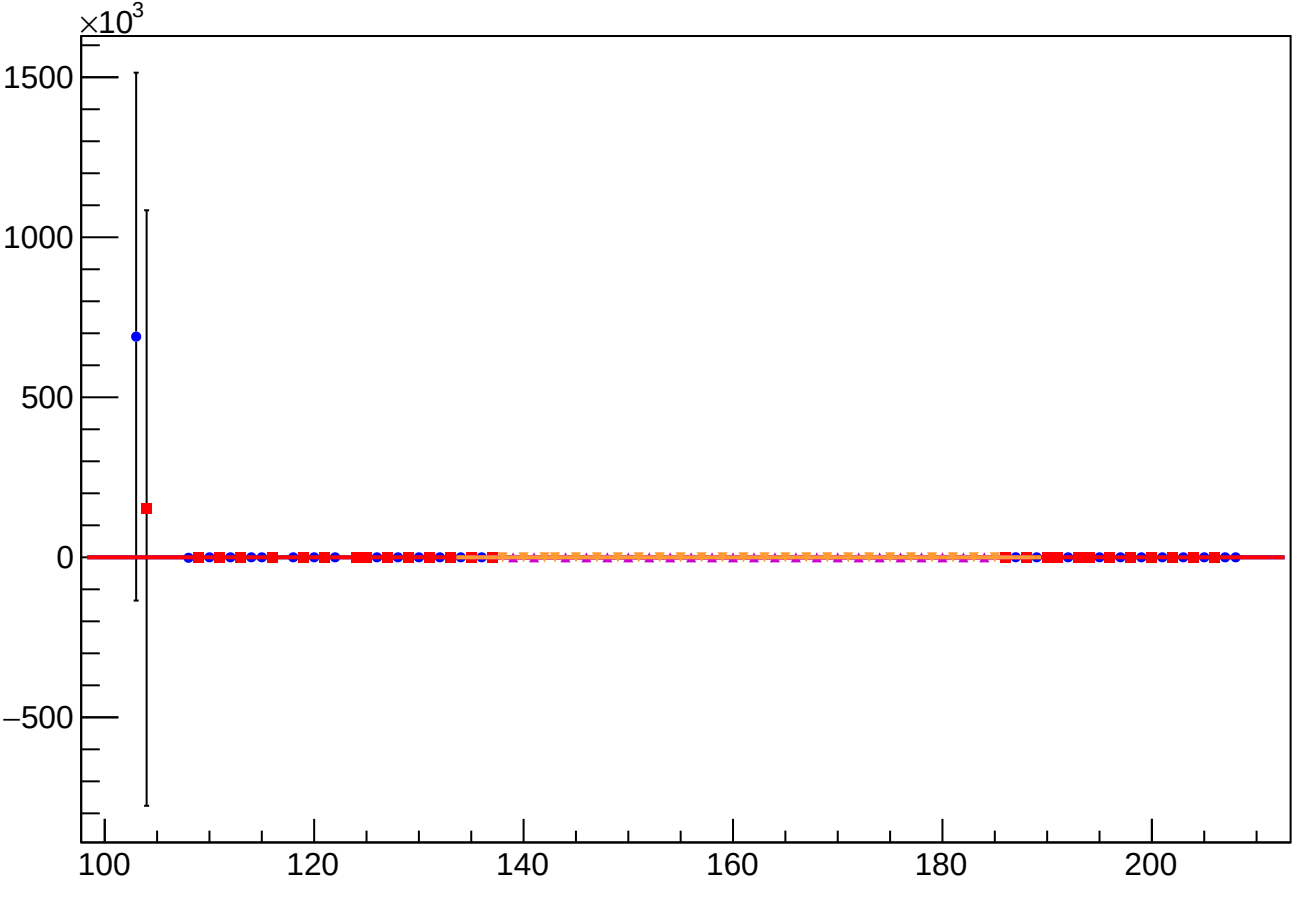
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2143.047+/-0.304 χ^2/NDF: 6241109.7/49

In: 1740.562+/-0.224 χ^2/NDF:4233554.1/46

Out: 1741.012+/-0.221 χ^2/NDF:4836882.3/50

All: 1740.791+/-0.158 χ^2/NDF: 9070438.4/97



Right In: 0.176+/-0.443 χ^2/NDF: 24.6/25

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.144+/-0.475 χ^2/NDF: 26.5/26

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

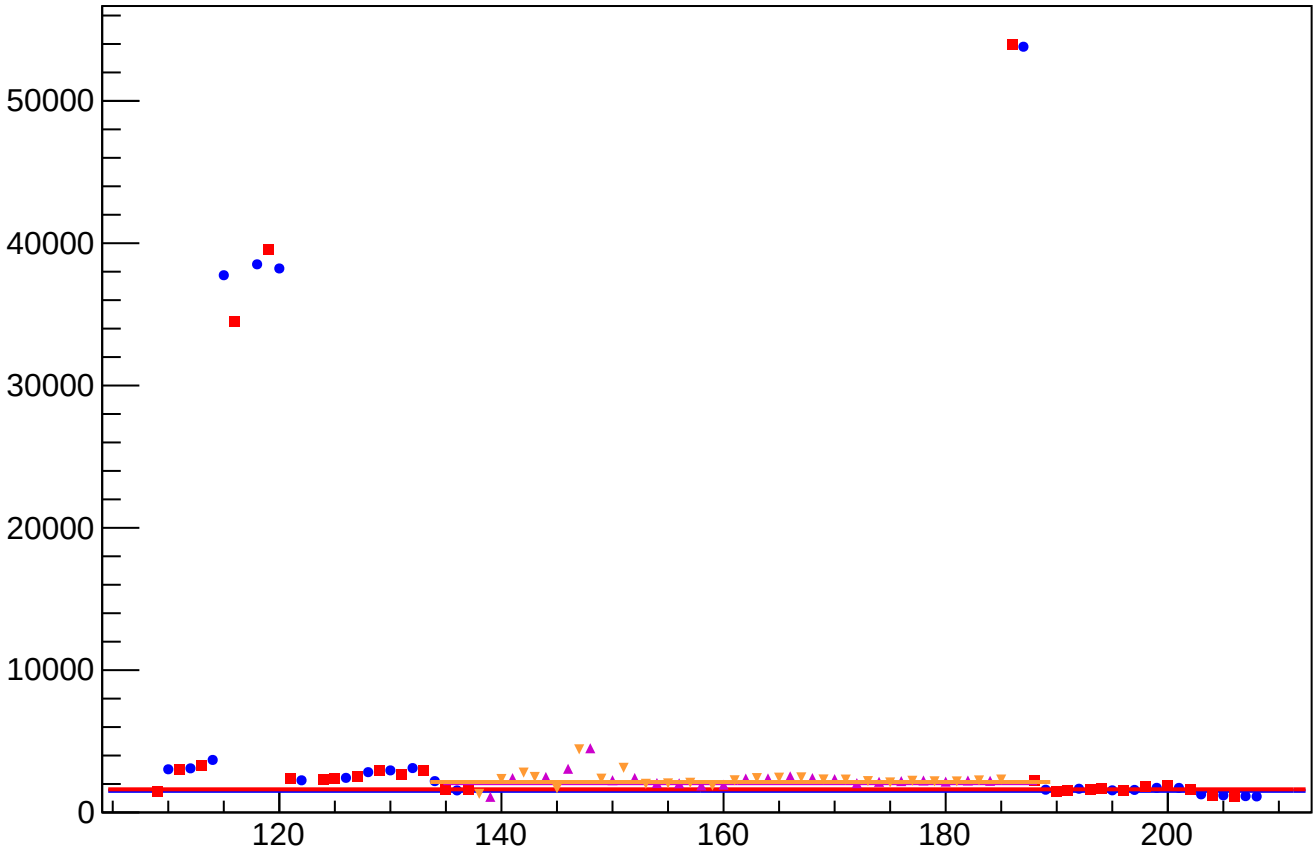
Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

Right: 0.027+/-0.324 χ^2/NDF: 51.3/52

In: 0.044+/-0.332 χ^2/NDF:41.7/48

Out: -0.632+/-0.345 χ^2/NDF:53.2/51

All: -0.281+/-0.239 χ^2/NDF: 96.8/100



Right In: 1517.963+/-0.313 χ^2/NDF: 4391751.7/23

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1625.576+/-0.336 χ^2/NDF: 4242649.3/25

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

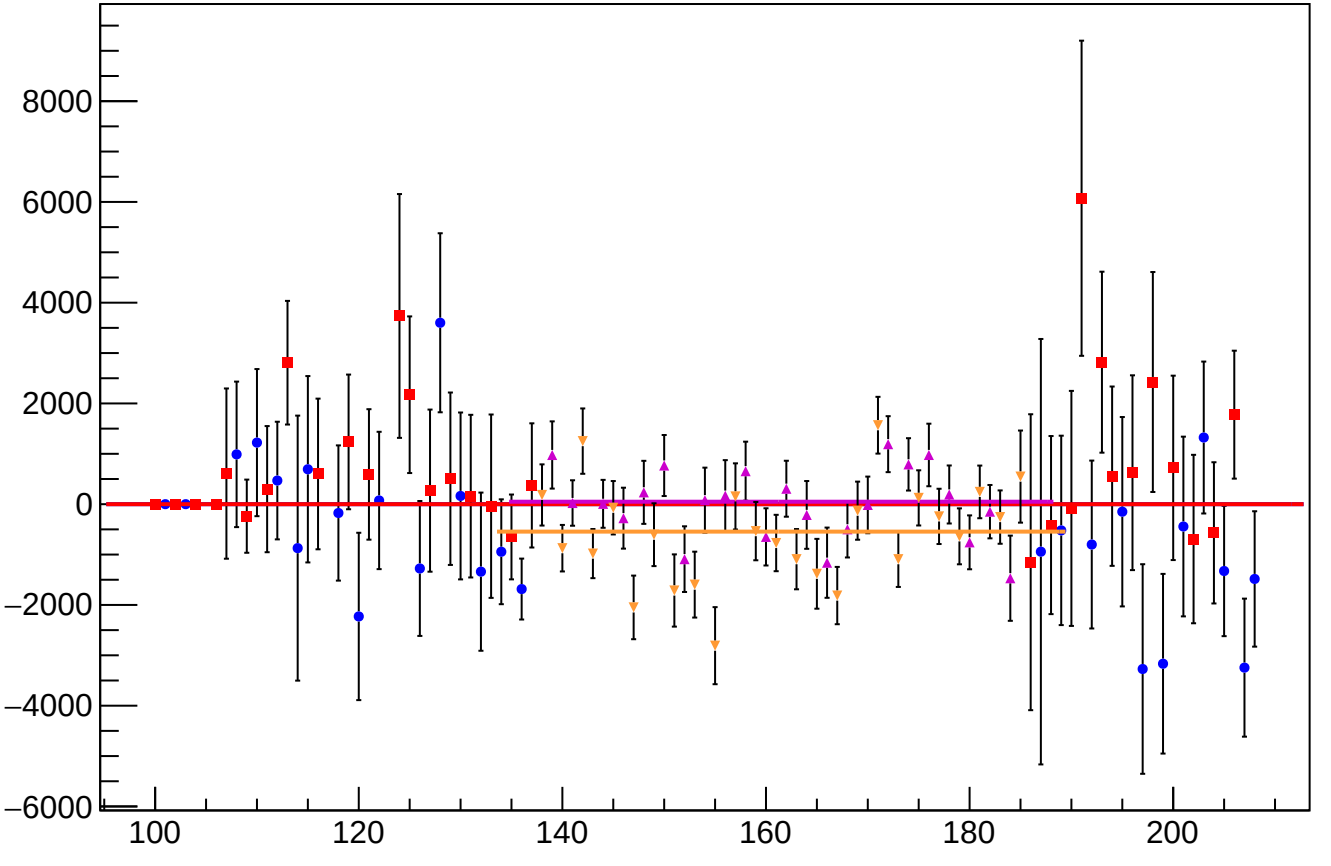
Right: 1568.028+/-0.229 χ^2/NDF: 8689299.5/49

In: 1754.905+/-0.235 χ^2/NDF:7989748.4/46

Out: 1867.981+/-0.244 χ^2/NDF:6826463.4/50

All: 1809.236+/-0.169 χ^2/NDF: 14927717.8/9

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 32.5/26

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 25.7/30

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

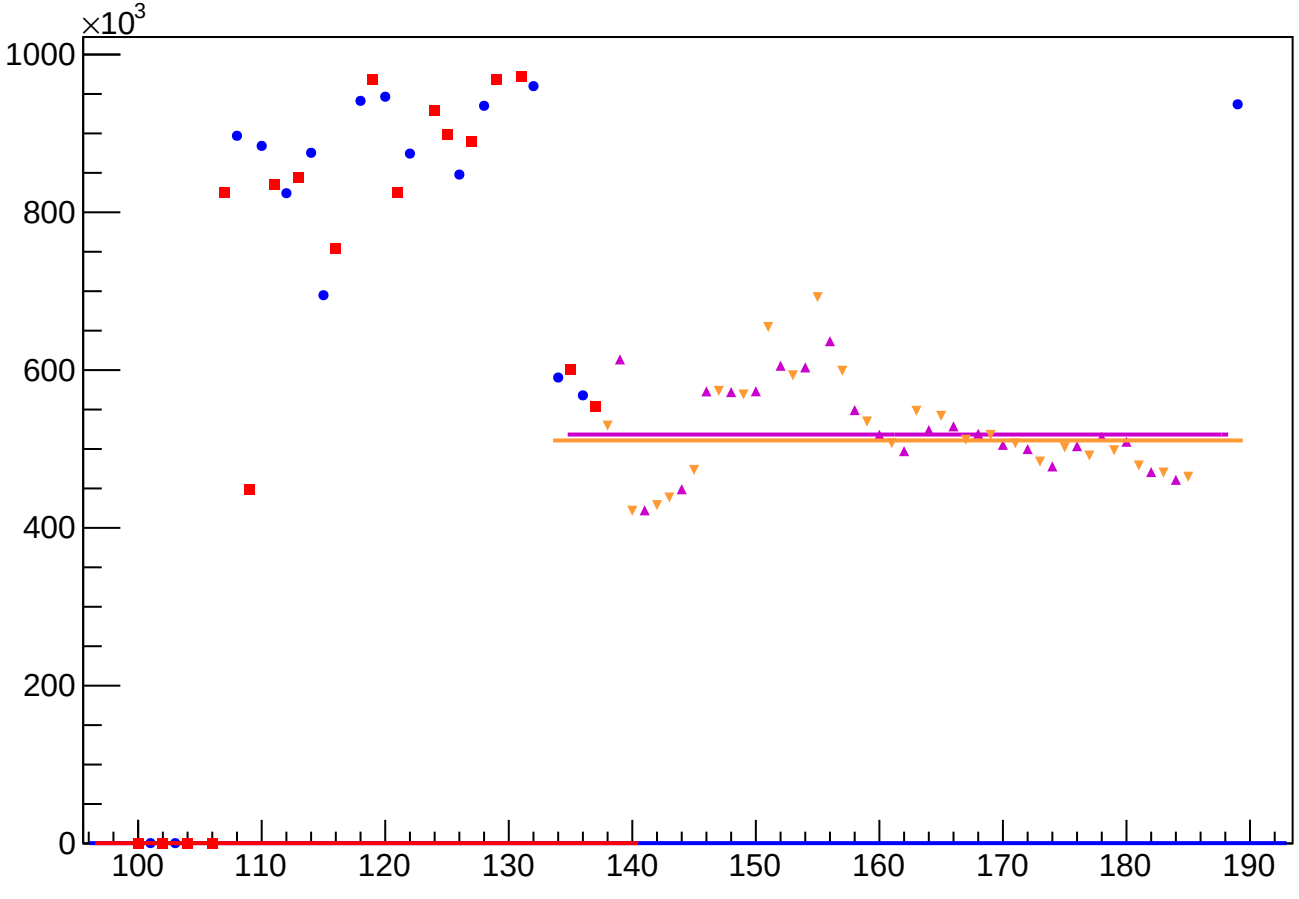
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

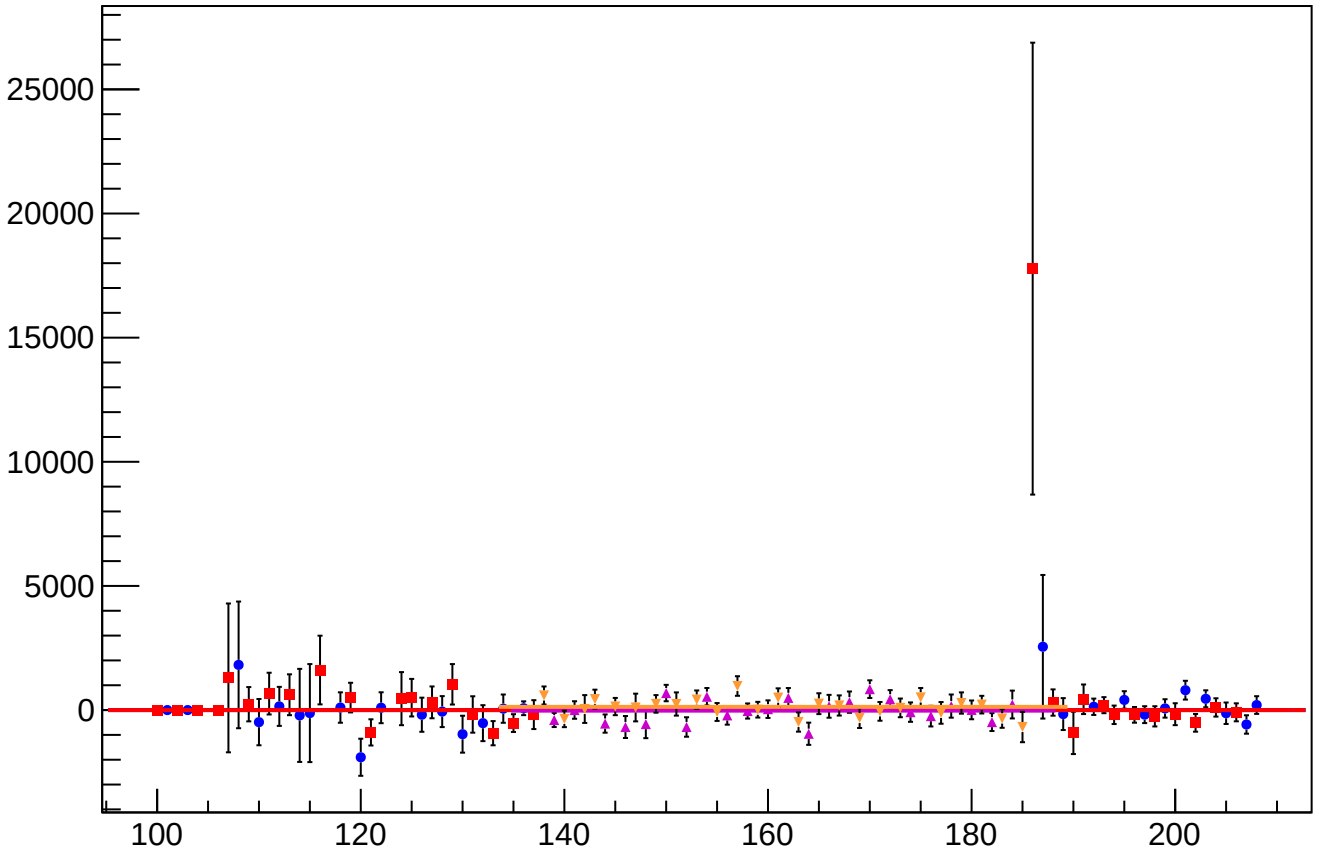
Right: 0.065+/-0.241 χ^2/NDF: 58.7/57

In: 0.255+/-0.356 χ^2/NDF:60.6/49

Out: -0.100+/-0.328 χ^2/NDF:108.2/55

All: 0.063+/-0.241 χ^2/NDF: 169.3/105


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



Right In: -0.019+/-0.347 χ^2/NDF: 22.2/26

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 24.6/30

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

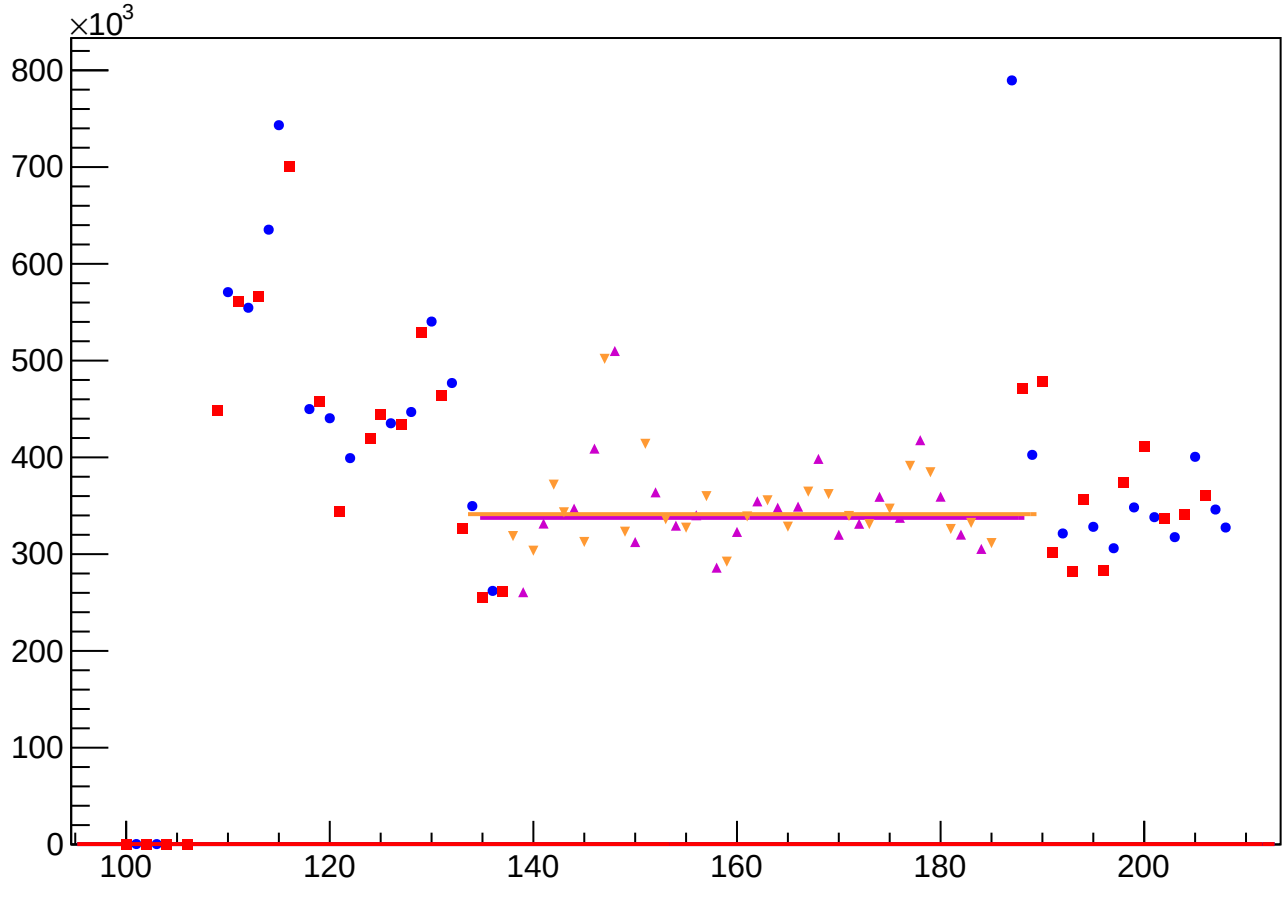
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 48.3/57

In: -0.020+/-0.347 χ^2/NDF:56.0/49

Out: -0.597+/-0.324 χ^2/NDF:47.4/55

All: -0.328+/-0.237 χ^2/NDF: 104.9/105



Right In: 393.172+/-0.245 χ^2/NDF: 27385091.1/25

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.446+/-0.229 χ^2/NDF: 27565880.7/28

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

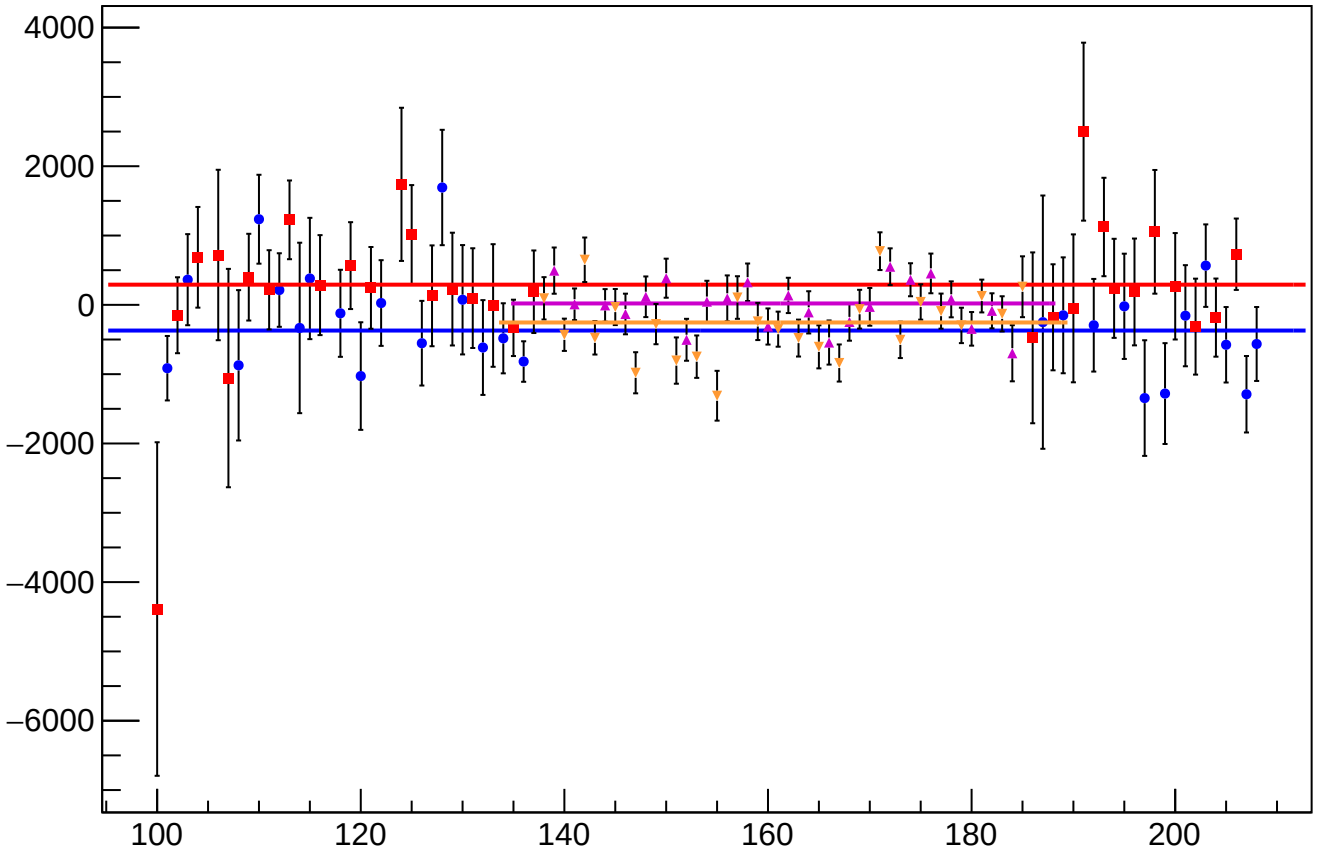
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

Right: 391.714+/-0.167 χ^2/NDF: 54951037.7/54

In: 399.555+/-0.245 χ^2/NDF:63703097.9/48

Out: 396.284+/-0.229 χ^2/NDF:65936850.3/53

All: 397.806+/-0.167 χ^2/NDF: 129640043.1/1



Right In: -370.744+/-119.561 χ^2/NDF: 30.2/26

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 291.278+/-126.771 χ^2/NDF: 22.1/30

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

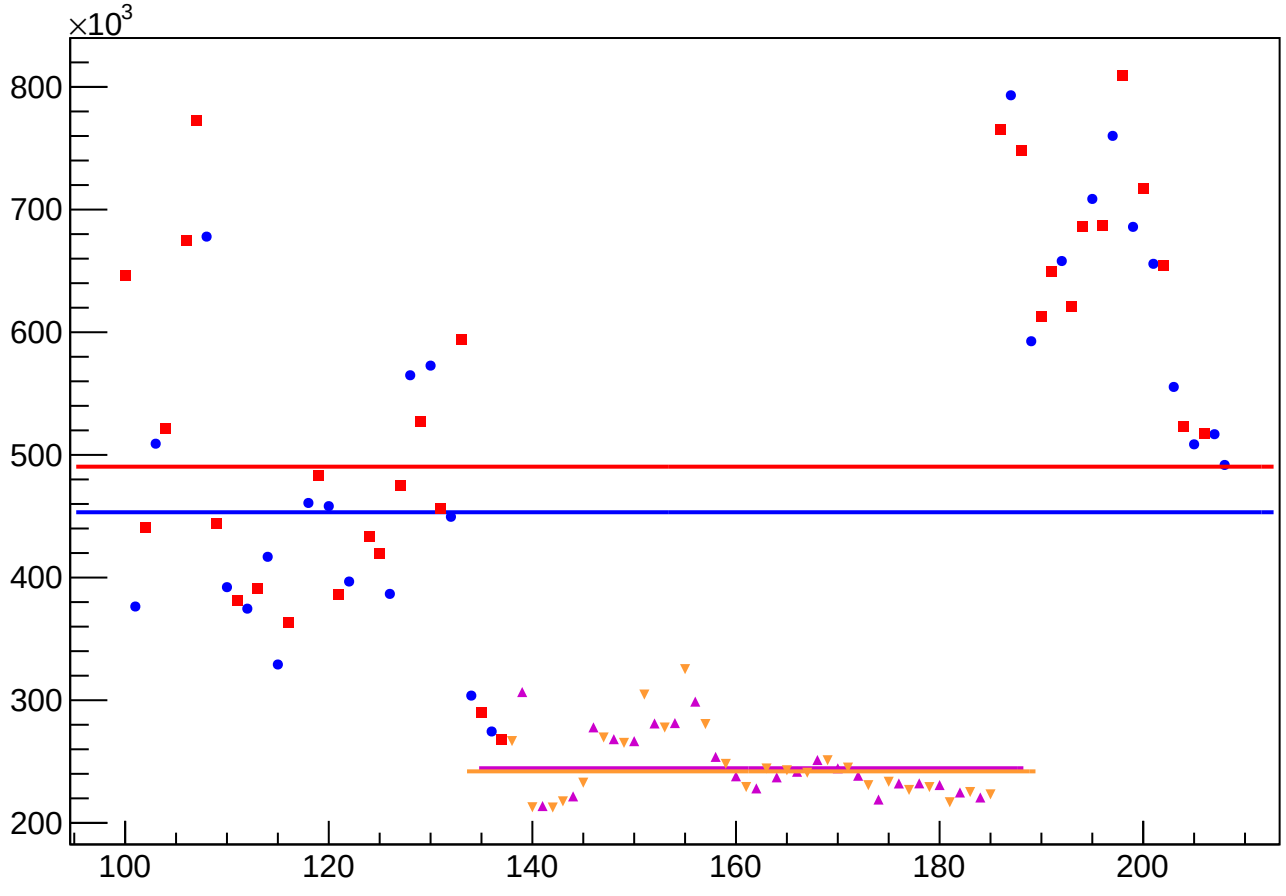
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -59.092+/-86.980 χ^2/NDF: 66.7/57

In: -53.223+/-51.807 χ^2/NDF:67.5/49

Out: -166.828+/-50.778 χ^2/NDF:98.9/55

All: -111.165+/-36.264 χ^2/NDF: 168.9/105



Right In: 453252.027+/-84.558 χ^2/NDF: 2587863.3/26

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 490408.323+/-89.745 χ^2/NDF: 2500299.1/30

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

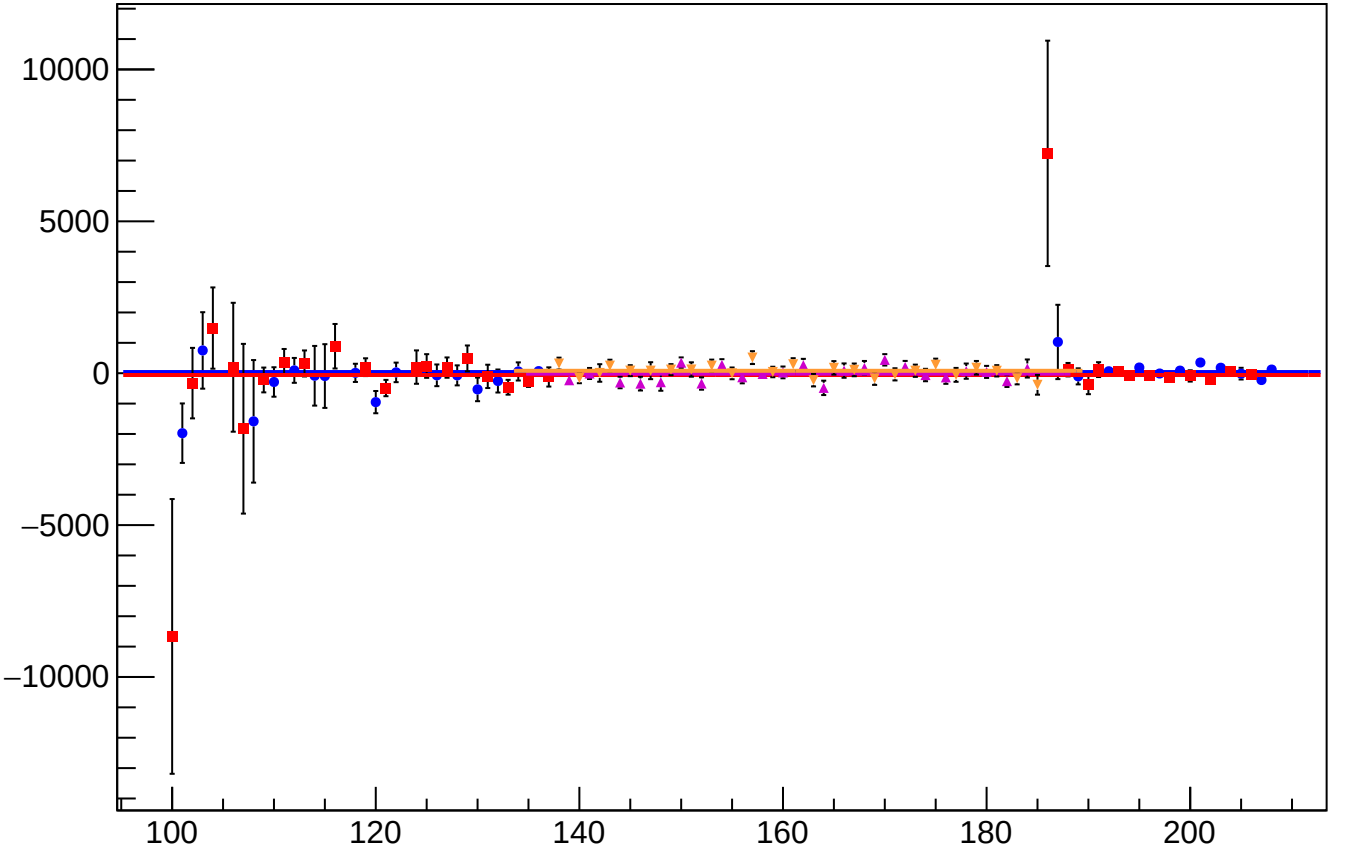
Right: 470725.379+/-61.544 χ^2/NDF: 5178965.3/57

In: 283717.769+/-36.634 χ^2/NDF:7898080.8/49

Out: 281783.432+/-35.912 χ^2/NDF:9347727.9/55

All: 282731.341+/-25.645 χ^2/NDF: 1724723

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 38.406+/-43.104 χ^2/NDF: 26.1/26

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -58.926+/-43.394 χ^2/NDF: 27.4/30

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

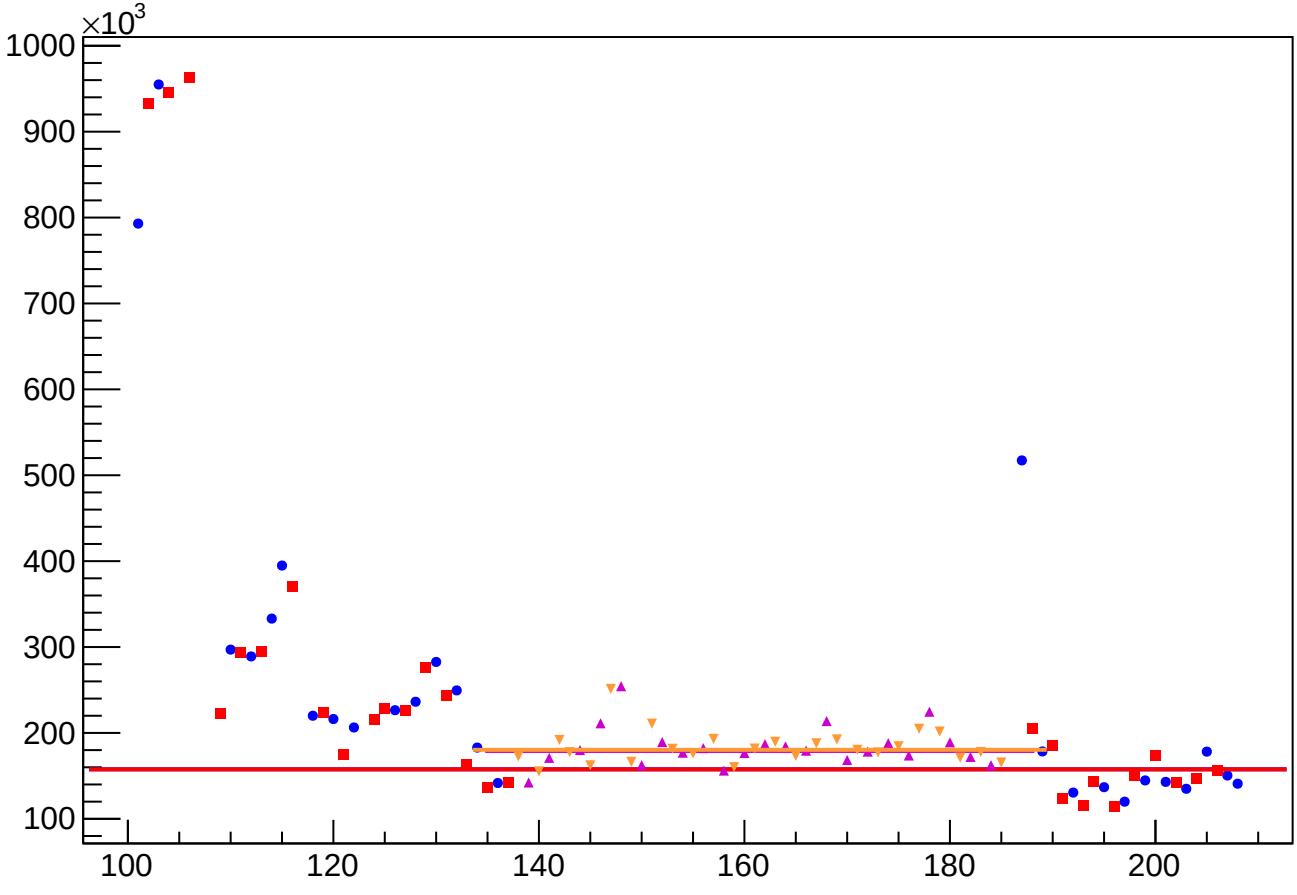
Right: -9.933+/-30.581 χ^2/NDF: 56.0/57

In: 11.652+/-30.166 χ^2/NDF:60.0/49

Out: 13.704+/-29.917 χ^2/NDF:52.5/55

All: 12.687+/-21.242 χ^2/NDF: 112.5/105

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 157651.398+/-30.492 χ^2/NDF: 3256642.3/25

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157584.672+/-30.705 χ^2/NDF: 3271755.5/27

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

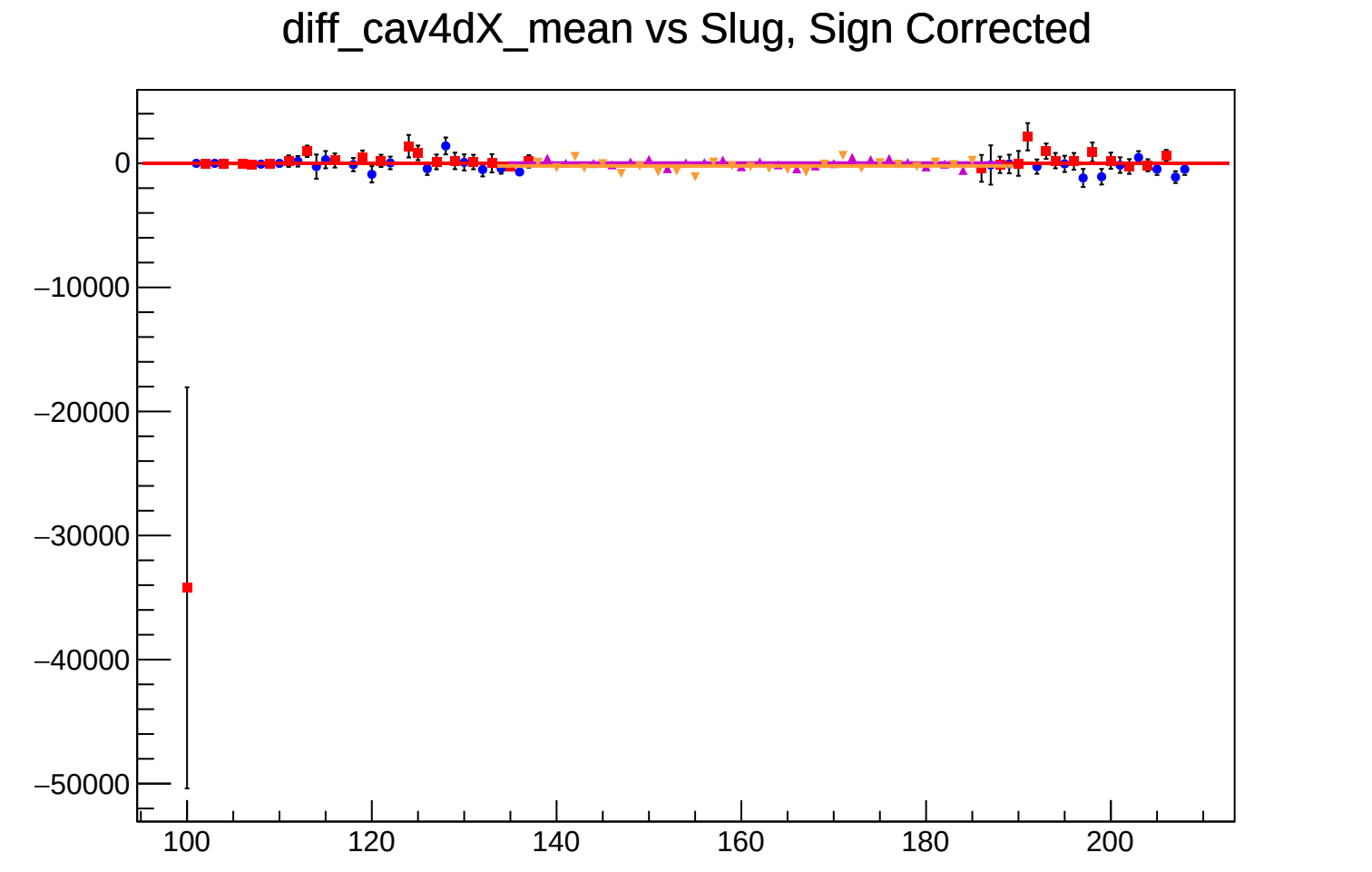
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 157618.268+/-21.636 χ^2/NDF: 6528400.1/53

In: 168560.200+/-21.335 χ^2/NDF:4008815.6/48

Out: 169533.632+/-21.161 χ^2/NDF:3906787.9/52

All: 169050.905+/-15.024 χ^2/NDF: 7916652.



Right In: -0.035+/-0.172 χ^2/NDF: 32.4/26

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 27.0/30

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

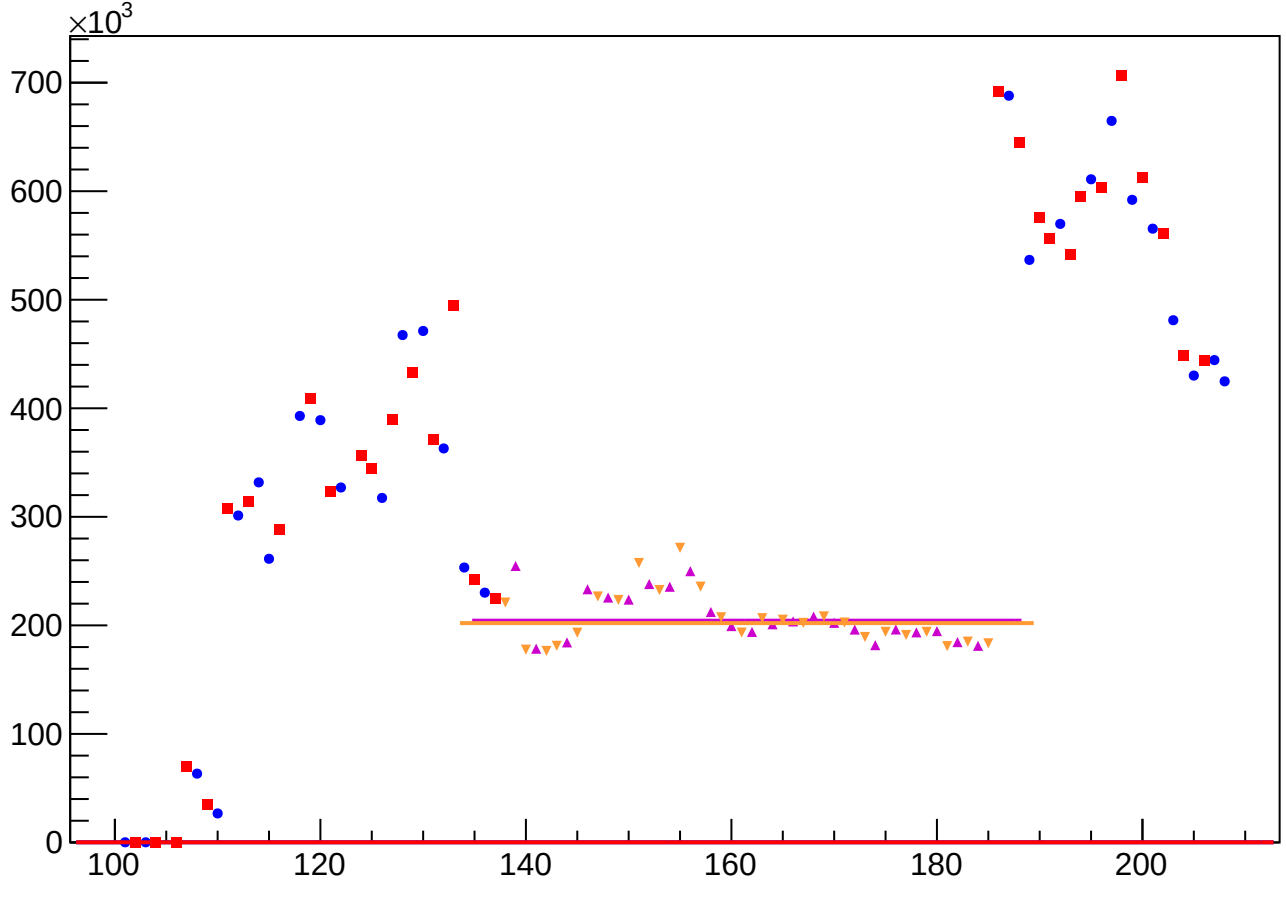
Right: 0.174+/-0.117 χ^2/NDF: 62.2/57

In: -0.035+/-0.172 χ^2/NDF:61.2/49

Out: 0.353+/-0.160 χ^2/NDF:108.9/55

All: 0.173+/-0.117 χ^2/NDF: 172.8/105

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.577+/-0.122 χ^2/NDF: 28380086.2/26

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.784+/-0.113 χ^2/NDF: 29120585.8/29

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

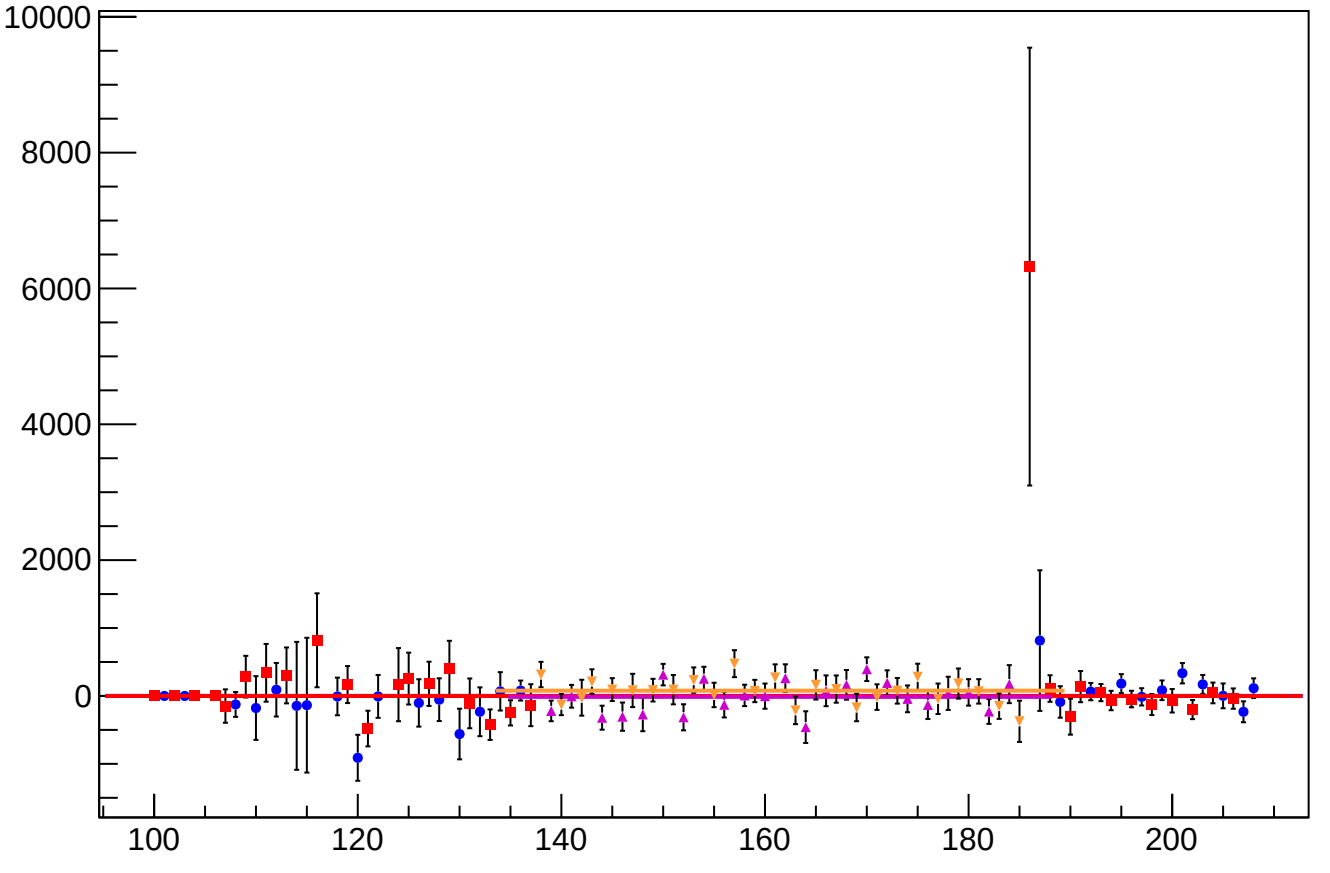
Right: 149.688+/-0.083 χ^2/NDF: 57500673.6/56

In: 152.203+/-0.122 χ^2/NDF:64882734.4/49

Out: 152.200+/-0.113 χ^2/NDF:67616270.4/54

All: 152.201+/-0.083 χ^2/NDF: 132499004.8/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 23.6/26

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.127+/-0.166 χ^2/NDF: 24.6/30

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

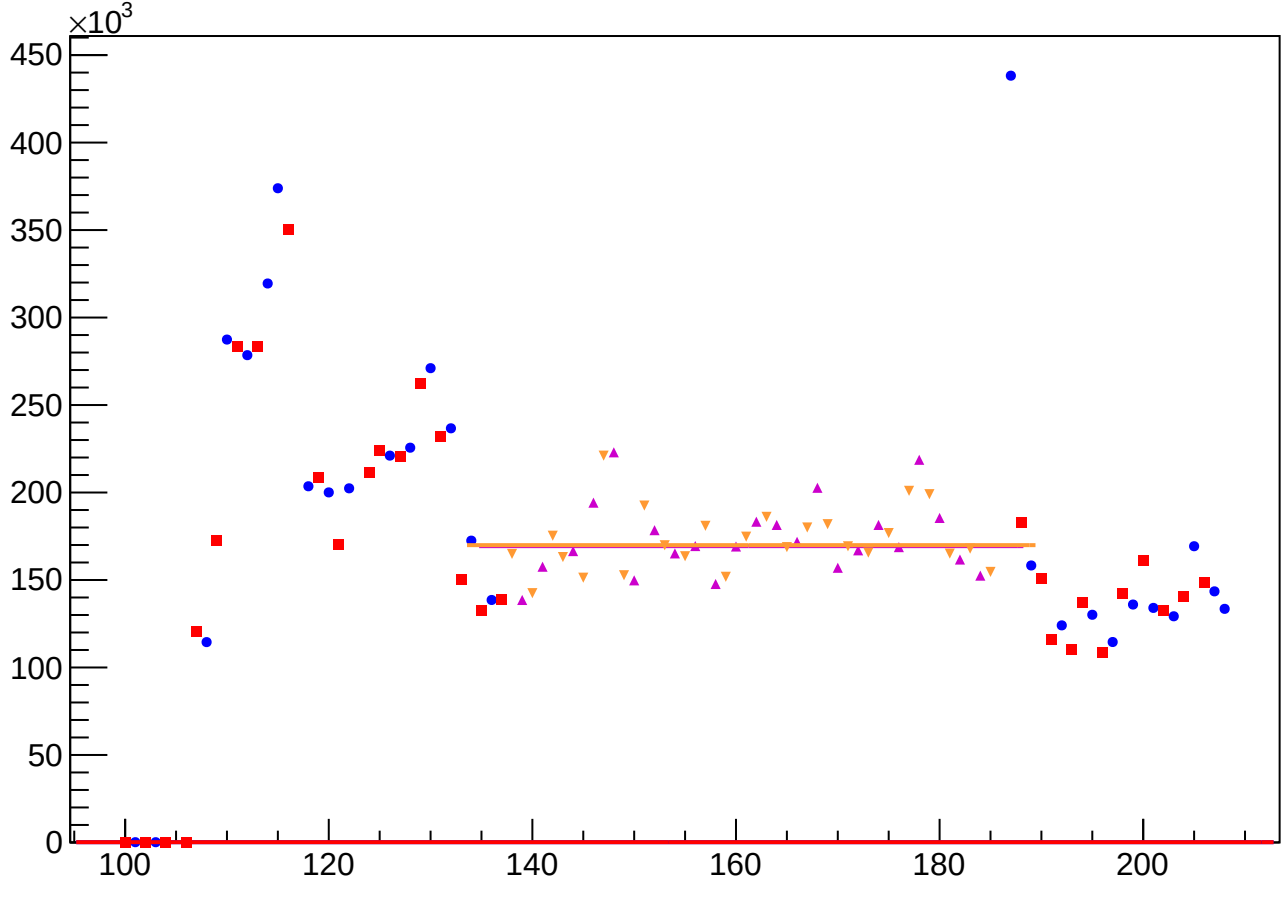
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 48.3/57

In: -0.067+/-0.177 χ^2/NDF:56.4/49

Out: -0.125+/-0.166 χ^2/NDF:47.7/55

All: -0.098+/-0.121 χ^2/NDF: 104.2/105



Right In: 155.385+/-0.125 χ^2/NDF: 28652789.9/26

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.841+/-0.118 χ^2/NDF: 28041645.2/29

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

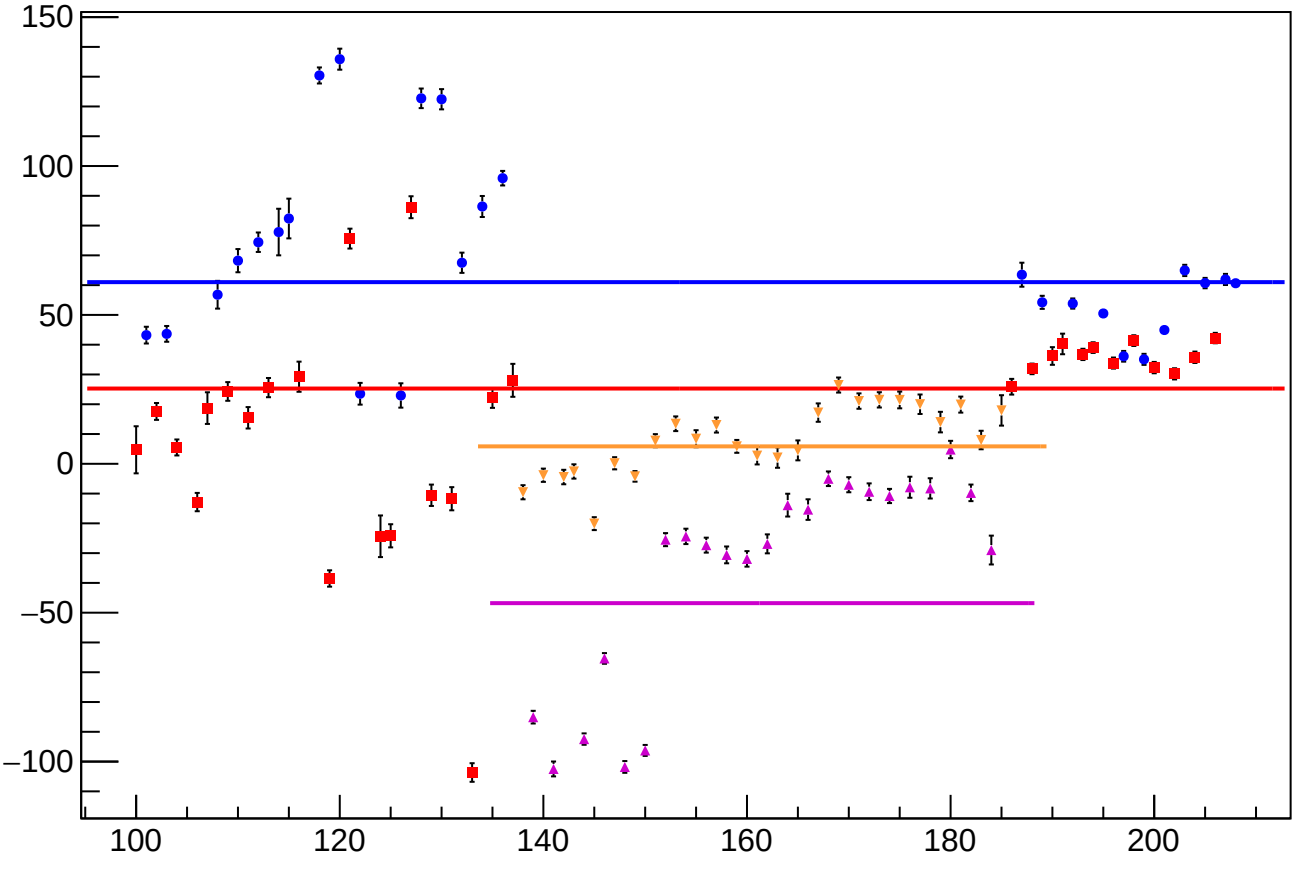
Right: 156.690+/-0.086 χ^2/NDF: 56694639.2/56

In: 158.719+/-0.125 χ^2/NDF:65038048.7/49

Out: 160.947+/-0.118 χ^2/NDF:66451902.9/54

All: 159.903+/-0.086 χ^2/NDF: 131490119.6/

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 61.006+/-0.465 χ^2/NDF: 2915.6/26

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 25.274+/-0.472 χ^2/NDF: 3768.9/30

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

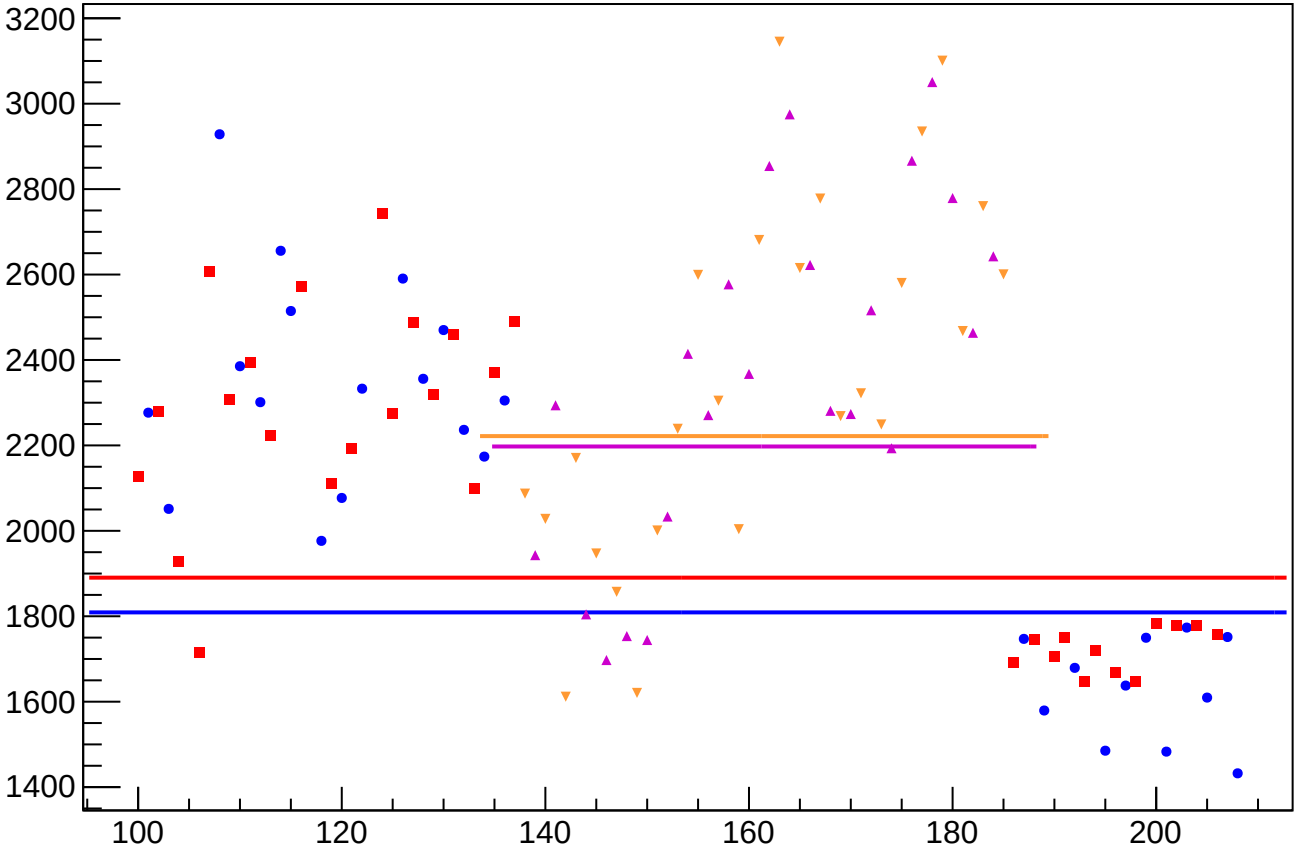
Right: 43.385+/-0.331 χ^2/NDF: 9591.4/57

In: 13.517+/-0.348 χ^2/NDF:31726.8/49

Out: 16.391+/-0.348 χ^2/NDF:5079.0/55

All: 14.956+/-0.246 χ^2/NDF: 36839.9/105

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1809.048+/-0.329 χ^2/NDF: 1073121.6/26

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1890.391+/-0.334 χ^2/NDF: 675338.4/30

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

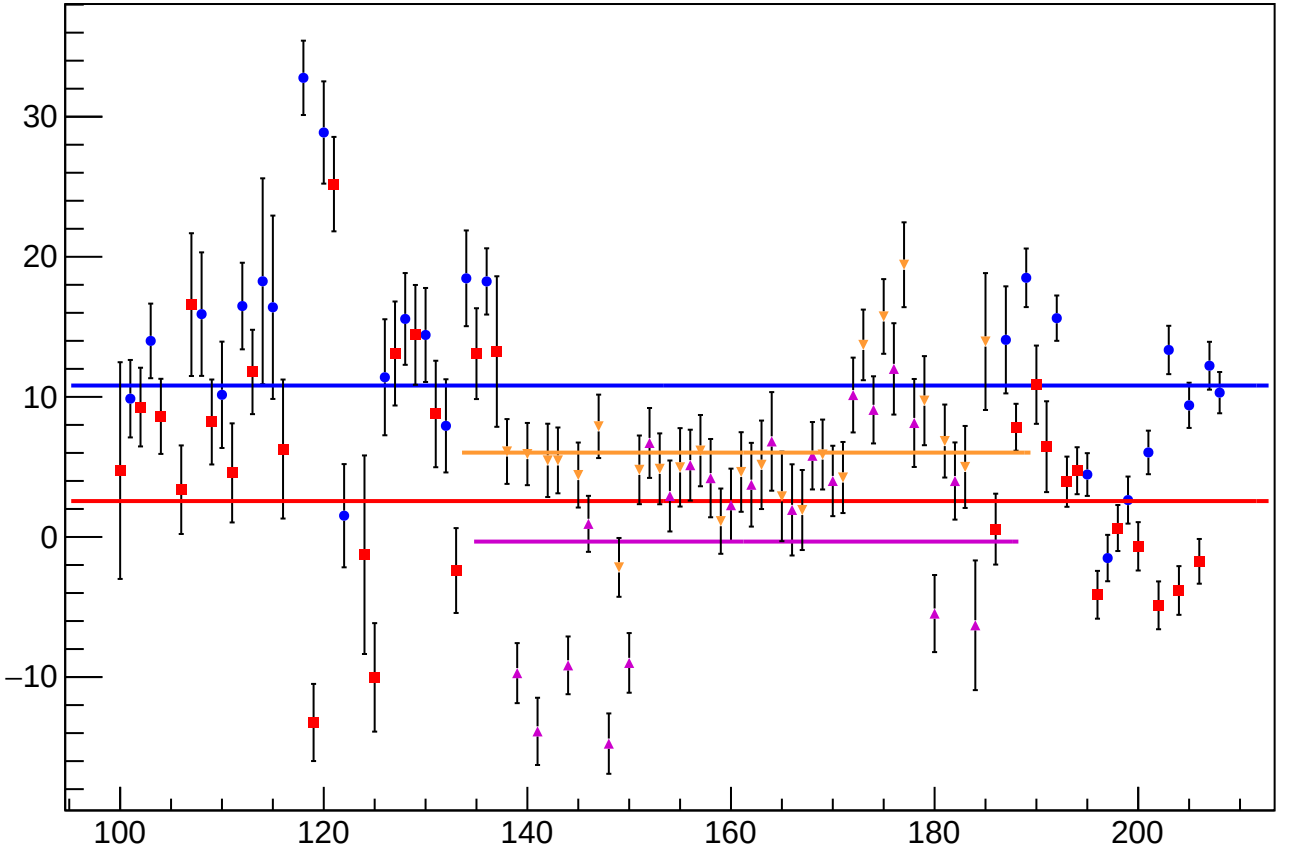
Right: 1849.161+/-0.234 χ^2/NDF: 1778589.2/57

In: 1980.157+/-0.246 χ^2/NDF:2791492.0/49

Out: 2041.939+/-0.246 χ^2/NDF:2310536.8/55

All: 2011.095+/-0.174 χ^2/NDF: 5133575.2/10

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.811+/-0.439 χ^2/NDF: 259.0/26

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.563+/-0.445 χ^2/NDF: 243.2/30

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

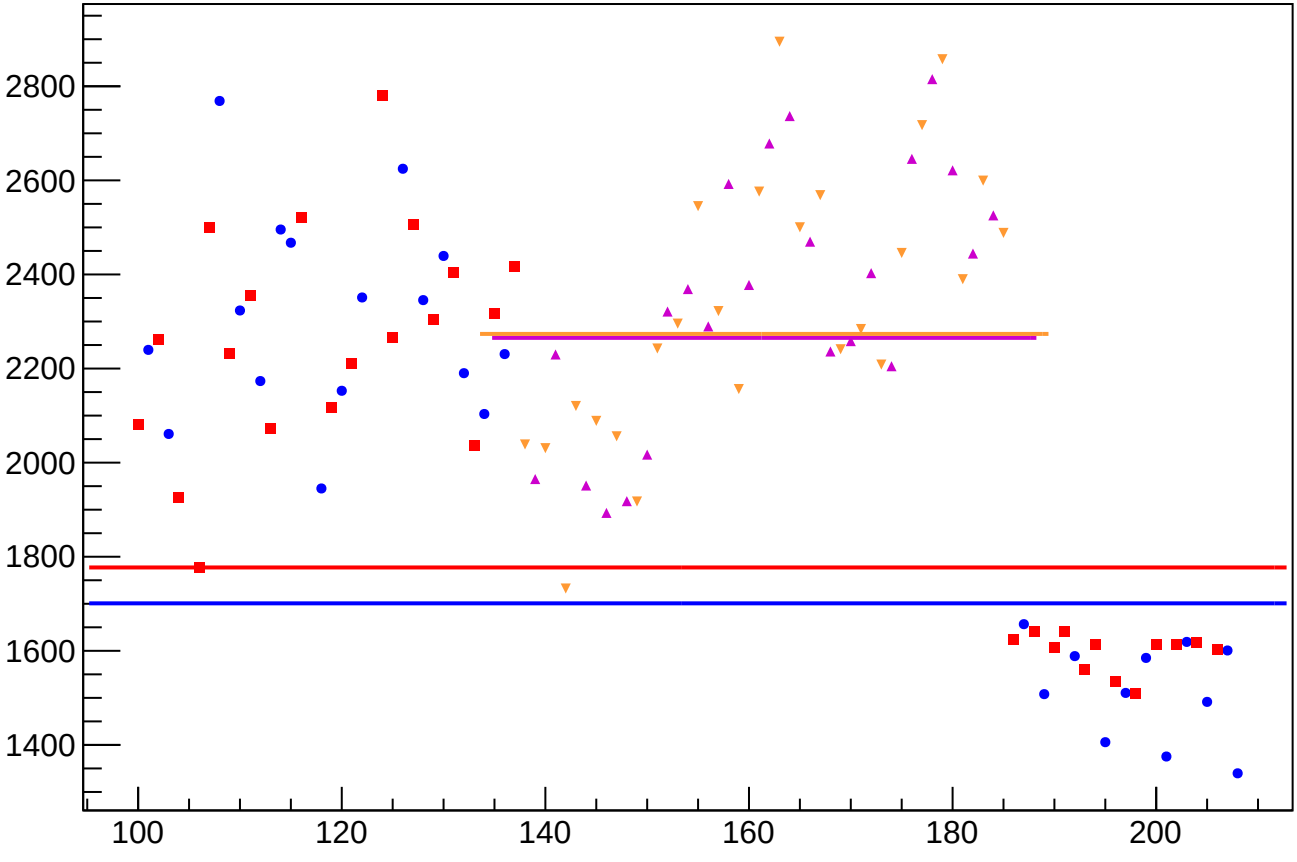
Right: 6.745+/-0.313 χ^2/NDF: 676.2/57

In: 6.326+/-0.339 χ^2/NDF:743.3/49

Out: 4.023+/-0.338 χ^2/NDF:340.4/55

All: 5.172+/-0.240 χ^2/NDF: 1106.8/105

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1700.929+/-0.310 χ^2/NDF: 1327277.9/26

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1777.209+/-0.315 χ^2/NDF: 930982.3/30

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

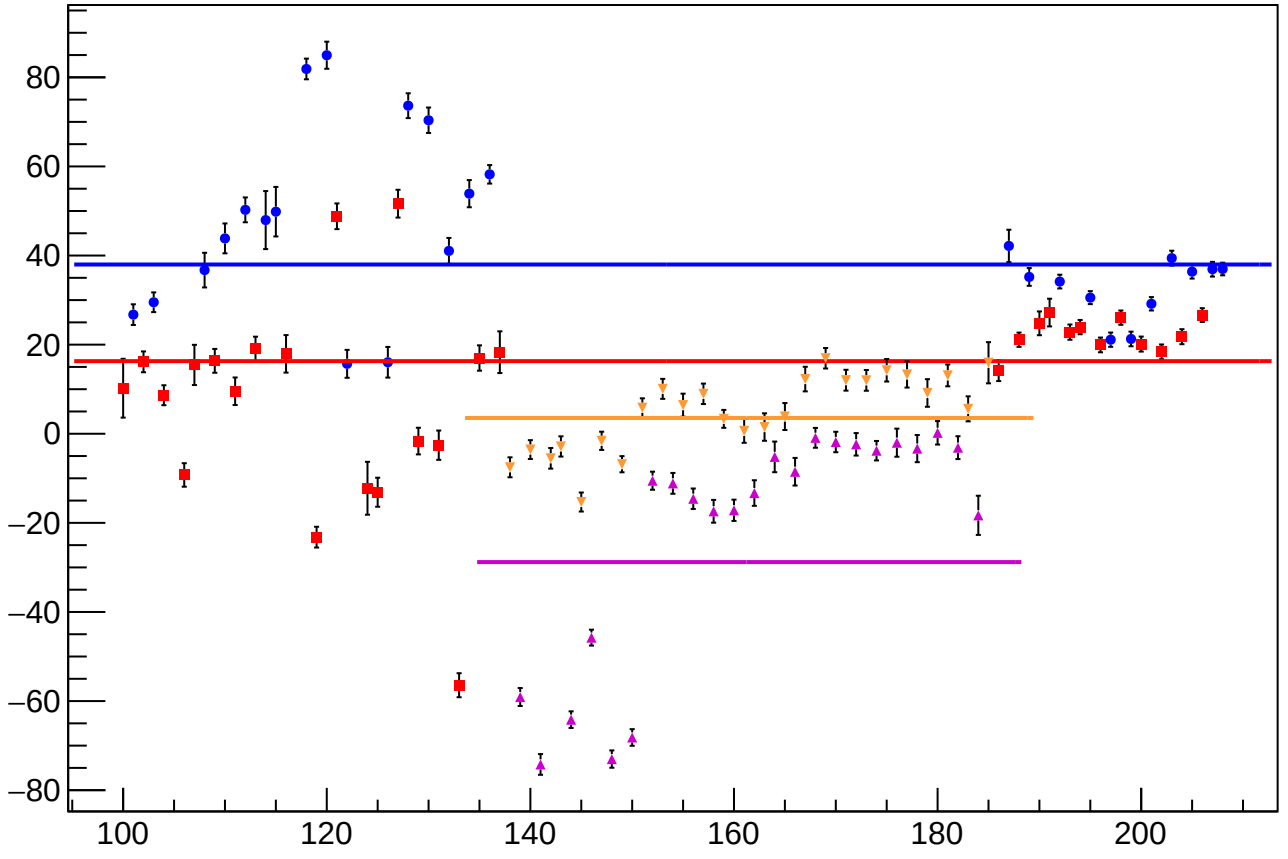
Right: 1738.532+/-0.221 χ^2/NDF: 2288042.4/57

In: 1928.151+/-0.240 χ^2/NDF:3154495.1/49

Out: 1986.740+/-0.239 χ^2/NDF:2517777.9/55

All: 1957.518+/-0.169 χ^2/NDF: 5702179.0/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 37.989+/-0.409 χ^2/NDF: 1457.2/26

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 16.298+/-0.413 χ^2/NDF: 1729.7/30

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

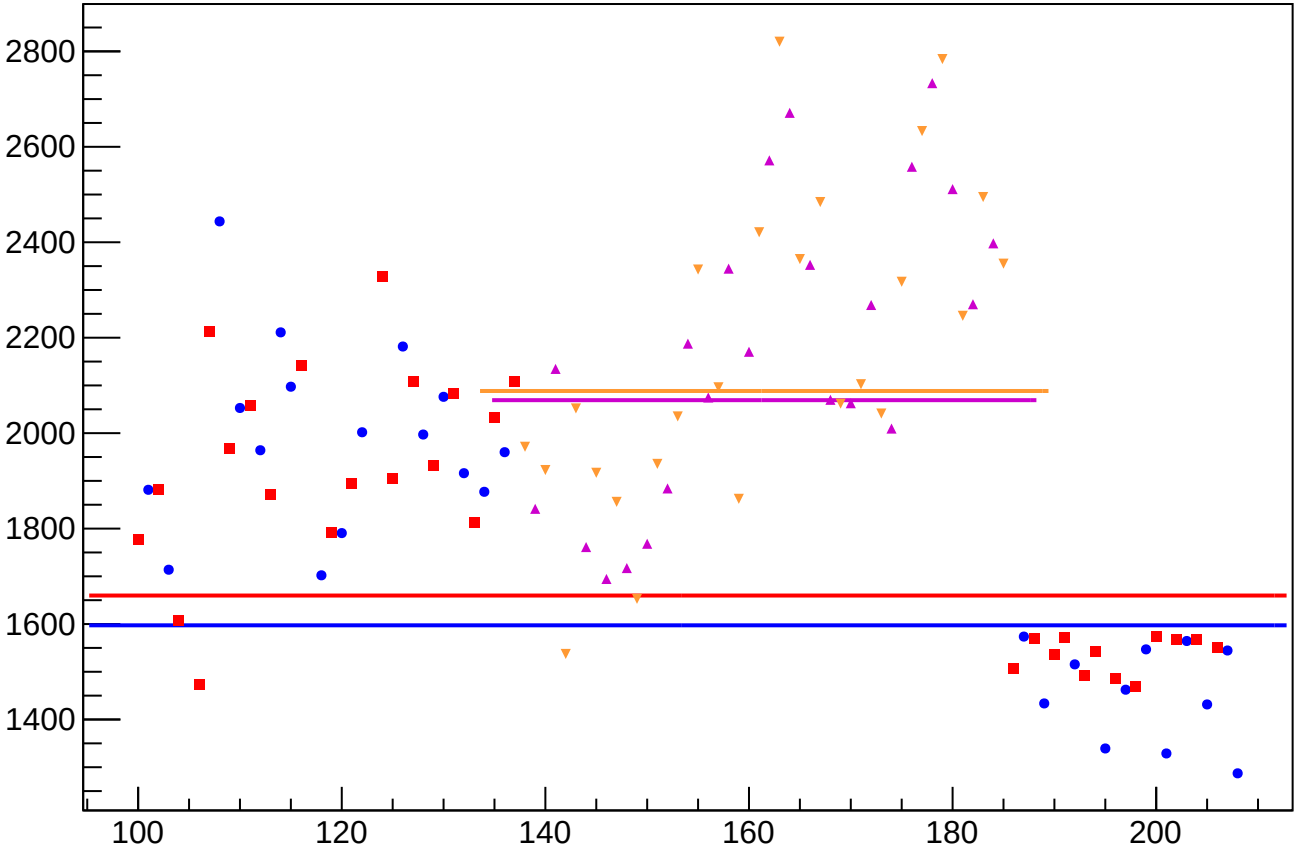
Right: 27.252+/-0.291 χ^2/NDF: 4580.0/57

In: 10.628+/-0.314 χ^2/NDF:15651.1/49

Out: 10.877+/-0.313 χ^2/NDF:2454.9/55

All: 10.753+/-0.222 χ^2/NDF: 18106.3/105

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1597.341+/-0.289 χ^2/NDF: 821031.4/26

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1659.755+/-0.292 χ^2/NDF: 492263.0/30

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

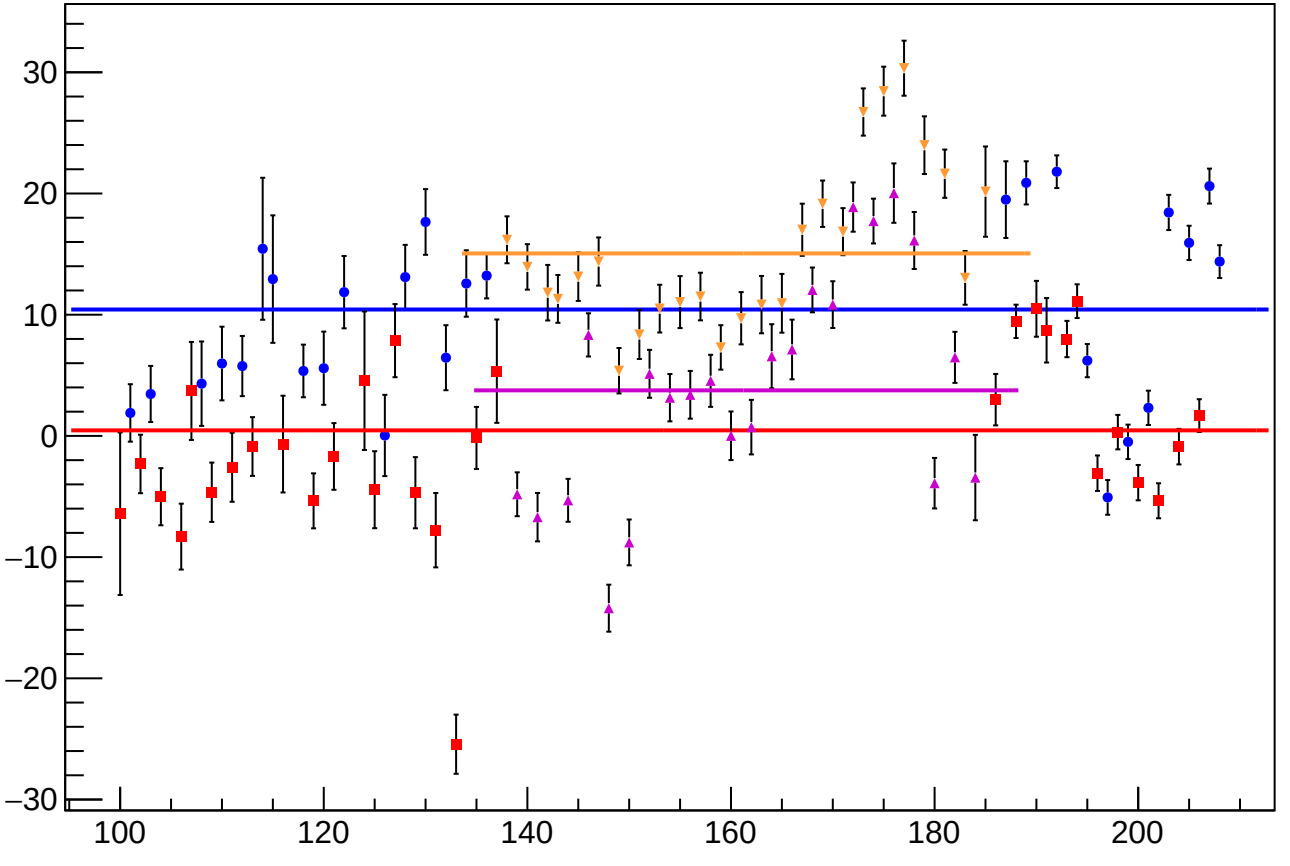
Right: 1628.237+/-0.205 χ^2/NDF: 1336362.3/57

In: 1790.600+/-0.222 χ^2/NDF:2623226.3/49

Out: 1841.947+/-0.221 χ^2/NDF:2195390.0/55

All: 1816.358+/-0.157 χ^2/NDF: 4845416.7/10

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 10.429+/-0.375 χ^2/NDF: 499.1/26

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 0.458+/-0.372 χ^2/NDF: 354.1/30

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

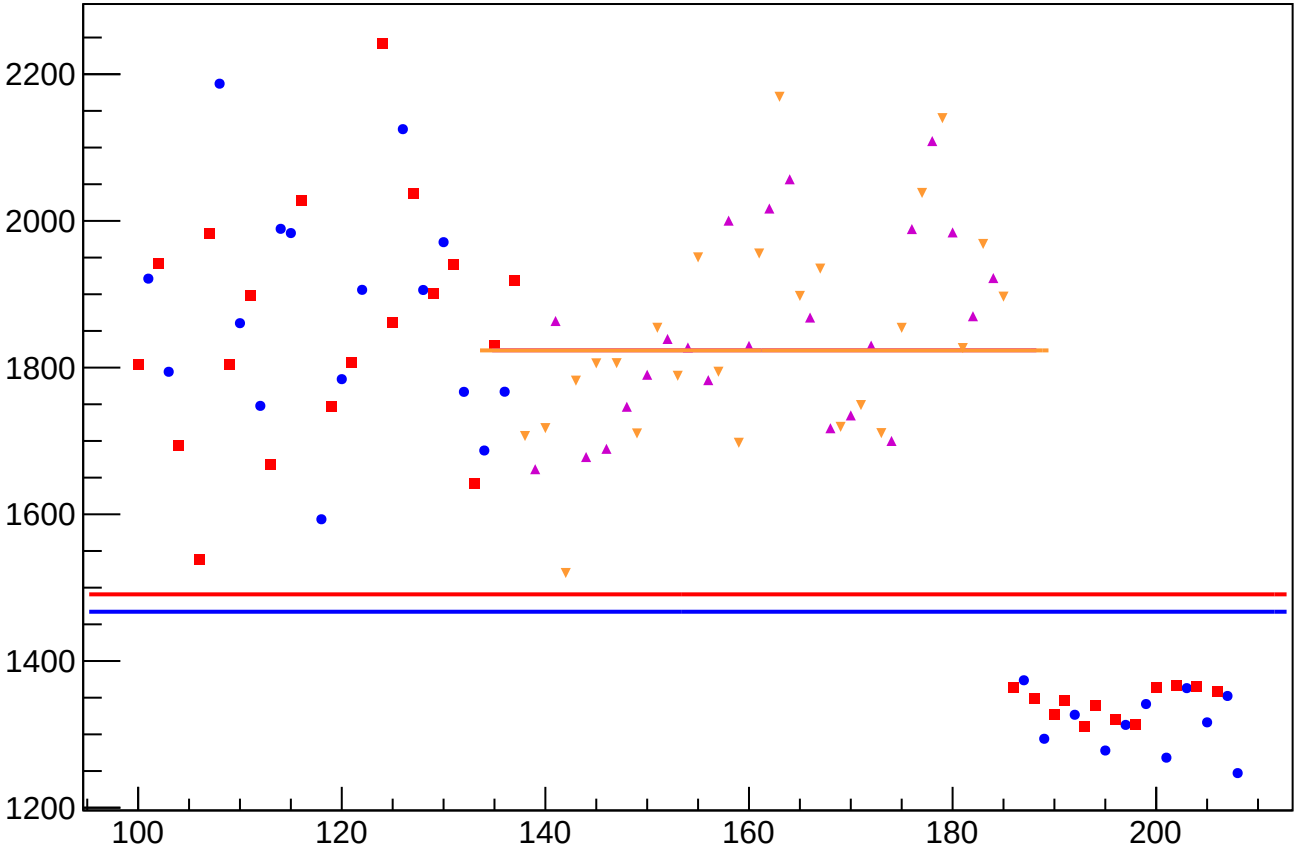
Right: 5.408+/-0.264 χ^2/NDF: 1209.8/57

In: 7.533+/-0.282 χ^2/NDF:1095.8/49

Out: 6.951+/-0.277 χ^2/NDF:1285.1/55

All: 7.237+/-0.198 χ^2/NDF: 2383.0/105

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1467.175+/-0.265 χ^2/NDF: 912230.0/26

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1490.877+/-0.263 χ^2/NDF: 784193.5/30

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

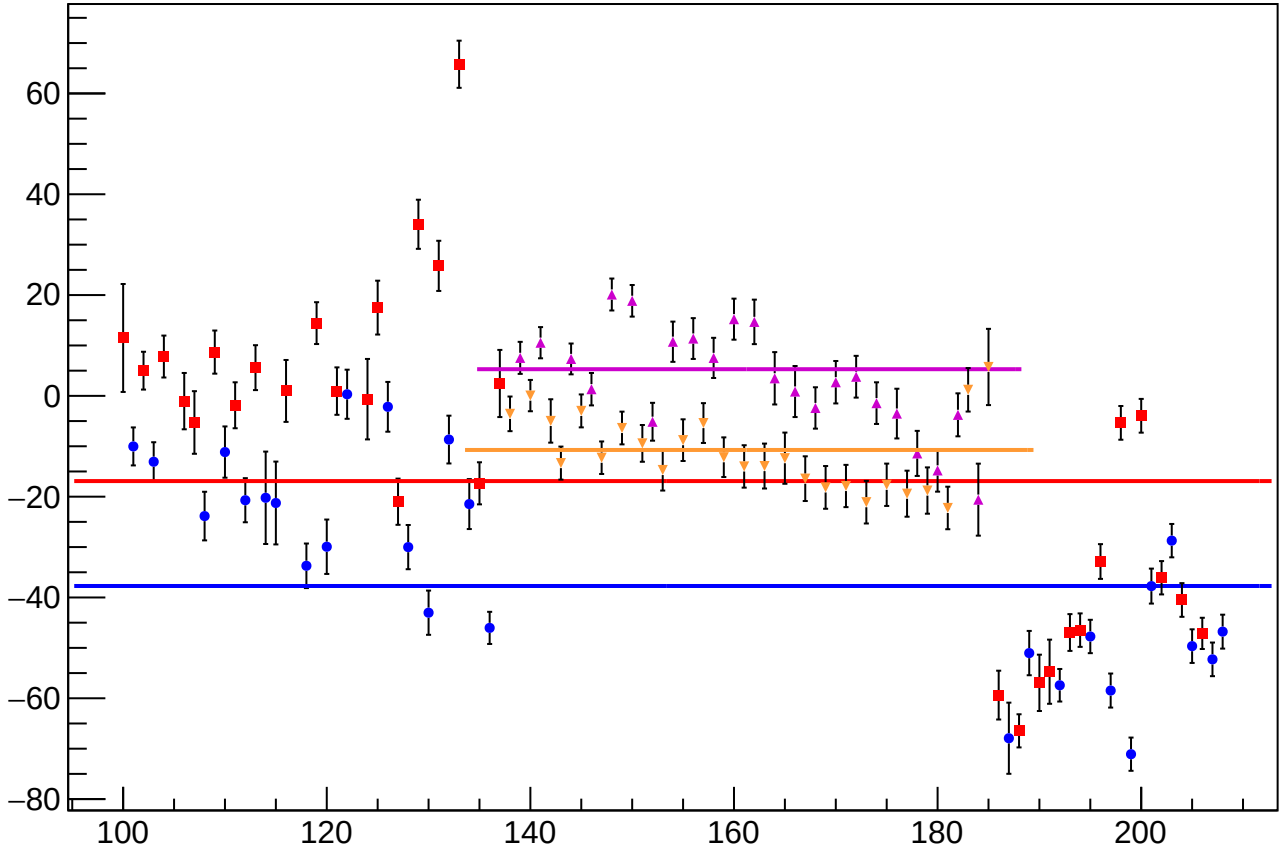
Right: 1479.110+/-0.187 χ^2/NDF: 1700453.9/57

In: 1621.894+/-0.199 χ^2/NDF:1861749.3/49

Out: 1638.787+/-0.196 χ^2/NDF:1706301.6/55

All: 1630.481+/-0.140 χ^2/NDF: 3571702.7/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -37.721+/-0.782 χ^2/NDF: 588.6/26

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -16.906+/-0.769 χ^2/NDF: 1555.2/30

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

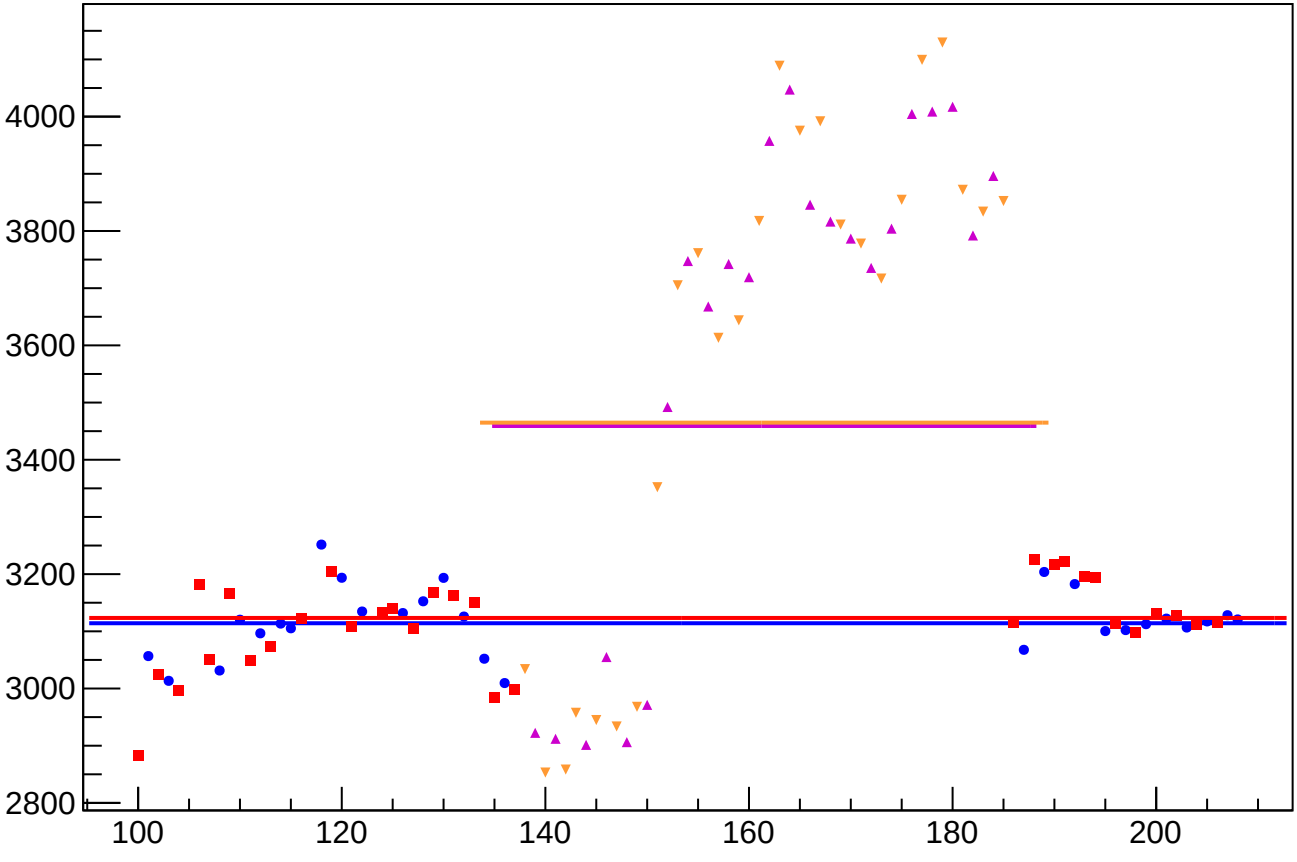
Right: -27.138+/-0.548 χ^2/NDF: 2503.8/57

In: -17.080+/-0.564 χ^2/NDF:2173.2/49

Out: -13.916+/-0.552 χ^2/NDF:1660.2/55

All: -15.465+/-0.395 χ^2/NDF: 3849.5/105

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3114.138+/-0.553 χ^2/NDF: 10100.0/26

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.399+/-0.544 χ^2/NDF: 14693.6/30

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

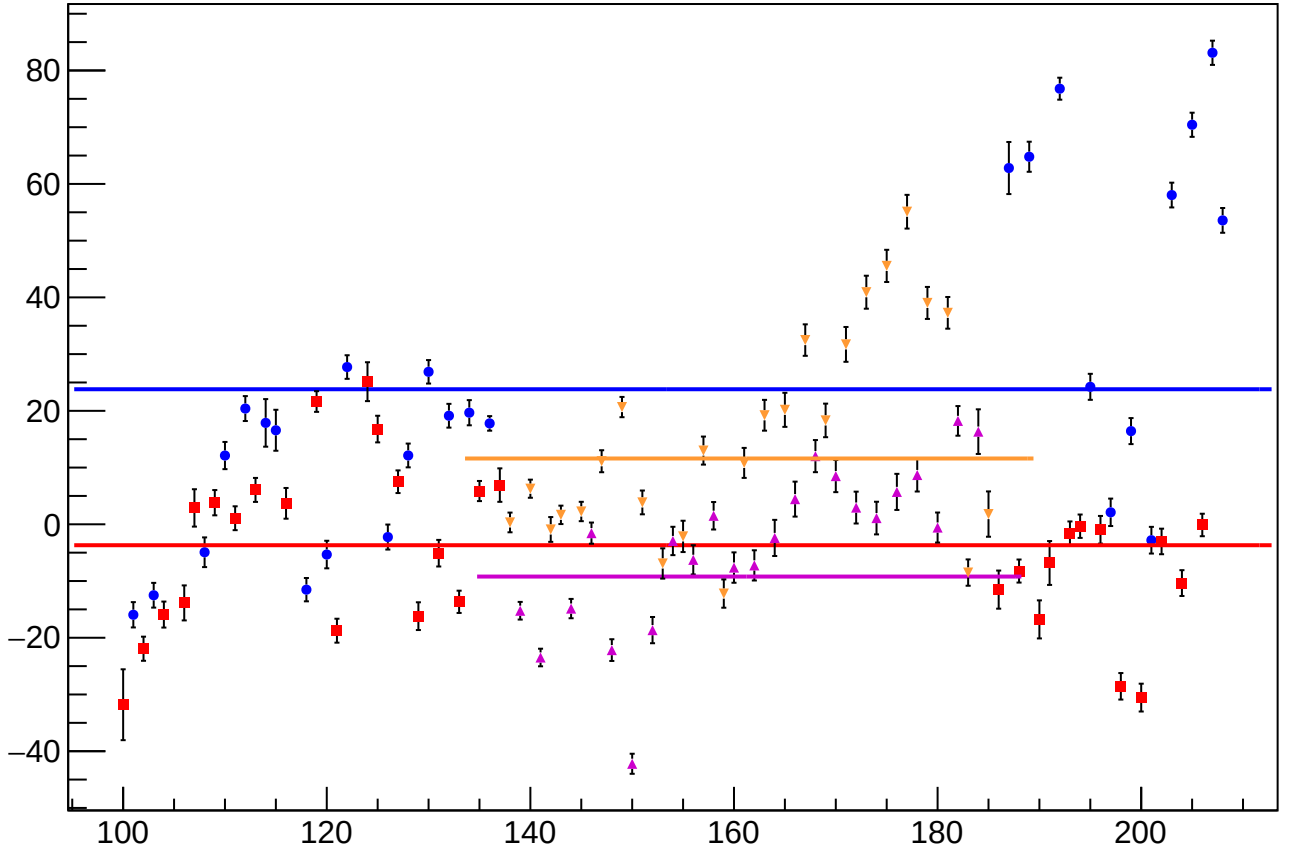
Right: 3118.847+/-0.388 χ^2/NDF: 24936.1/57

In: 3279.657+/-0.399 χ^2/NDF:780032.5/49

Out: 3288.761+/-0.391 χ^2/NDF:849641.9/55

All: 3284.305+/-0.279 χ^2/NDF: 1629940.3/10

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 23.807+/-0.428 χ^2/NDF: 4354.7/26

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -3.688+/-0.422 χ^2/NDF: 975.0/30

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

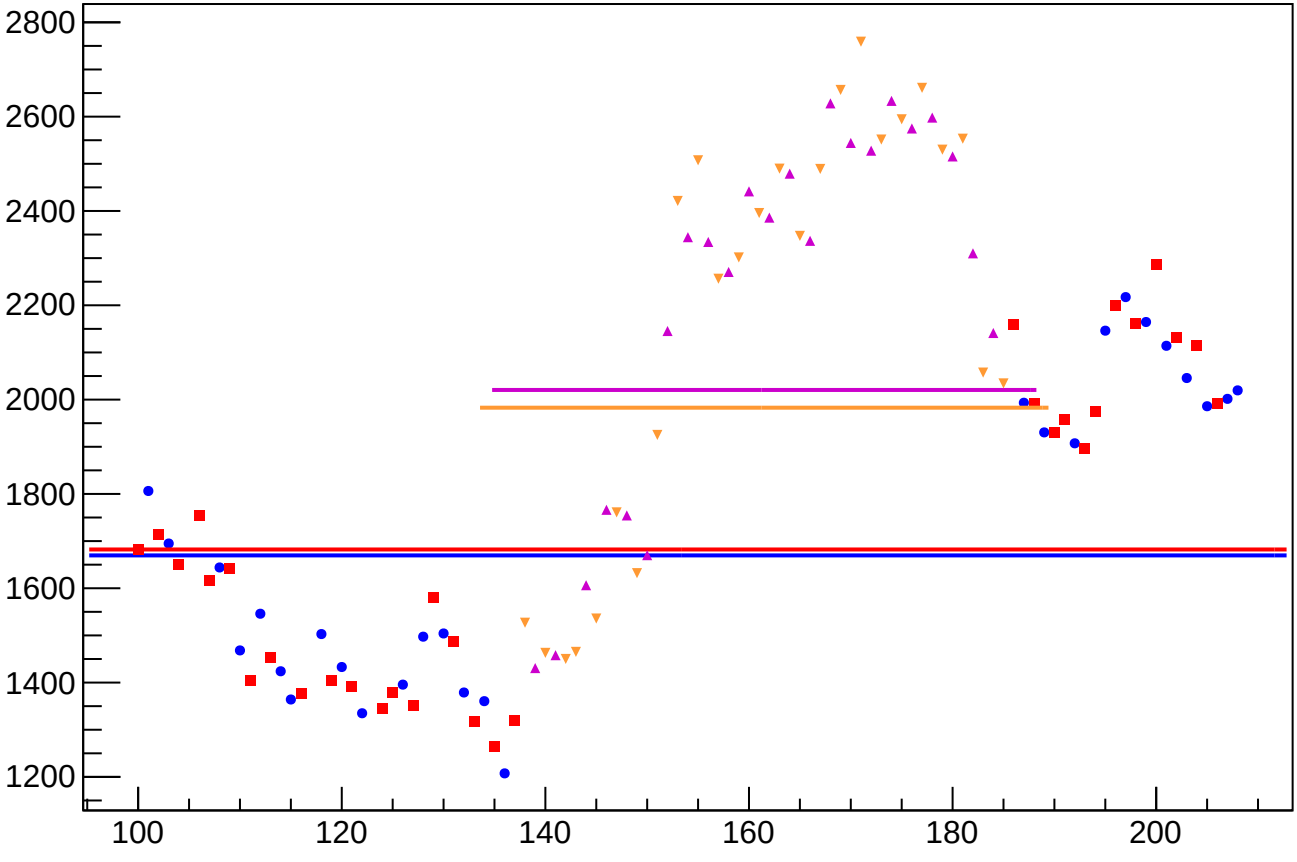
Right: 9.883+/-0.301 χ^2/NDF: 7420.5/57

In: 9.314+/-0.321 χ^2/NDF:7908.9/49

Out: 3.250+/-0.312 χ^2/NDF:2766.3/55

All: 6.202+/-0.224 χ^2/NDF: 10858.8/105

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1669.656+/-0.303 χ^2/NDF: 1143319.3/26

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1682.234+/-0.299 χ^2/NDF: 1170579.5/30

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

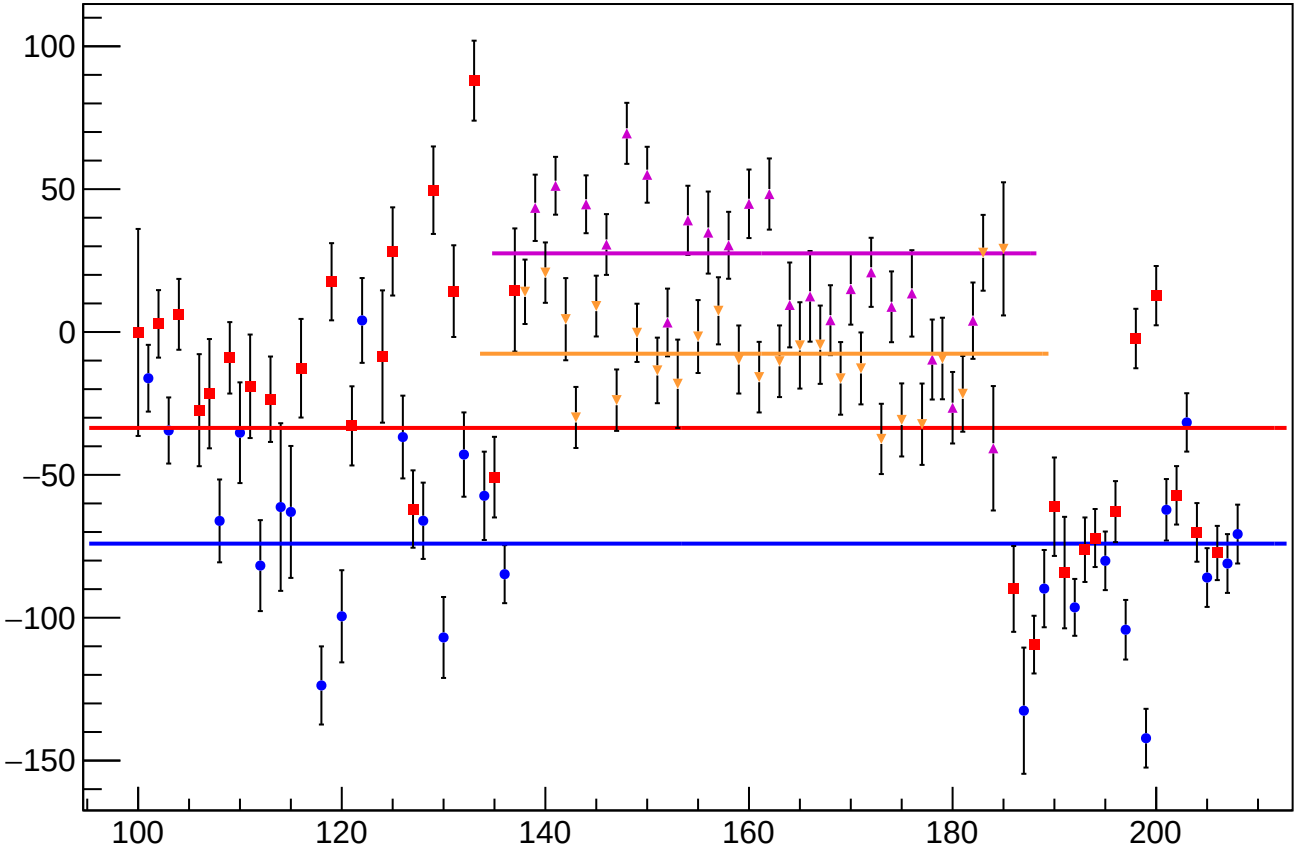
Right: 1676.026+/-0.213 χ^2/NDF: 2314773.8/57

In: 1823.639+/-0.227 χ^2/NDF:3347997.2/49

Out: 1818.686+/-0.221 χ^2/NDF:3607936.4/55

All: 1821.098+/-0.158 χ^2/NDF: 6956178.7/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -74.067+/-2.428 χ^2/NDF: 190.8/26

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -33.570+/-2.391 χ^2/NDF: 368.0/30

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

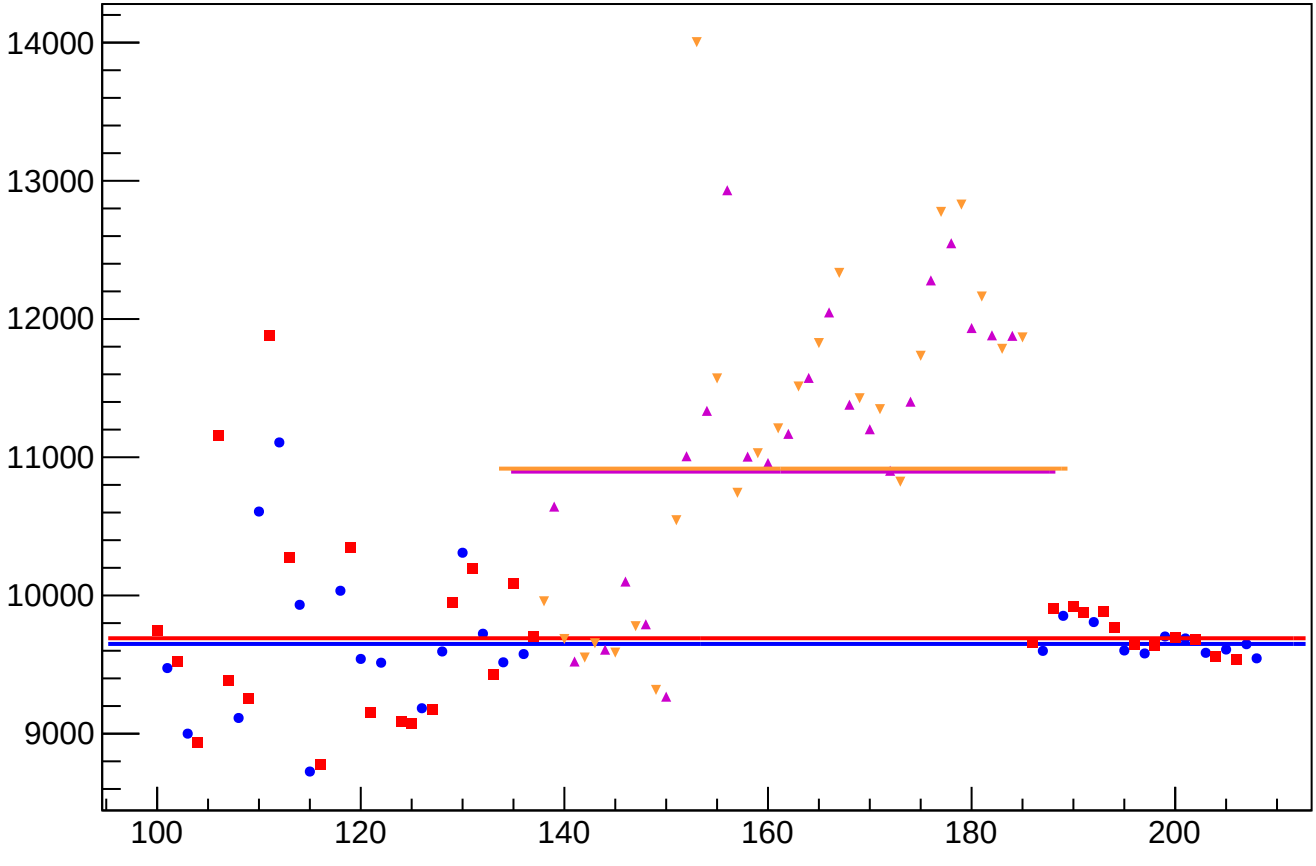
Right: -53.510+/-1.704 χ^2/NDF: 700.0/57

In: -25.888+/-1.761 χ^2/NDF:1114.2/49

Out: -21.134+/-1.726 χ^2/NDF:472.4/55

All: -23.464+/-1.233 χ^2/NDF: 1590.3/105

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9649.295+/-1.717 χ^2/NDF: 45599.4/26

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9690.390+/-1.691 χ^2/NDF: 83036.2/30

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

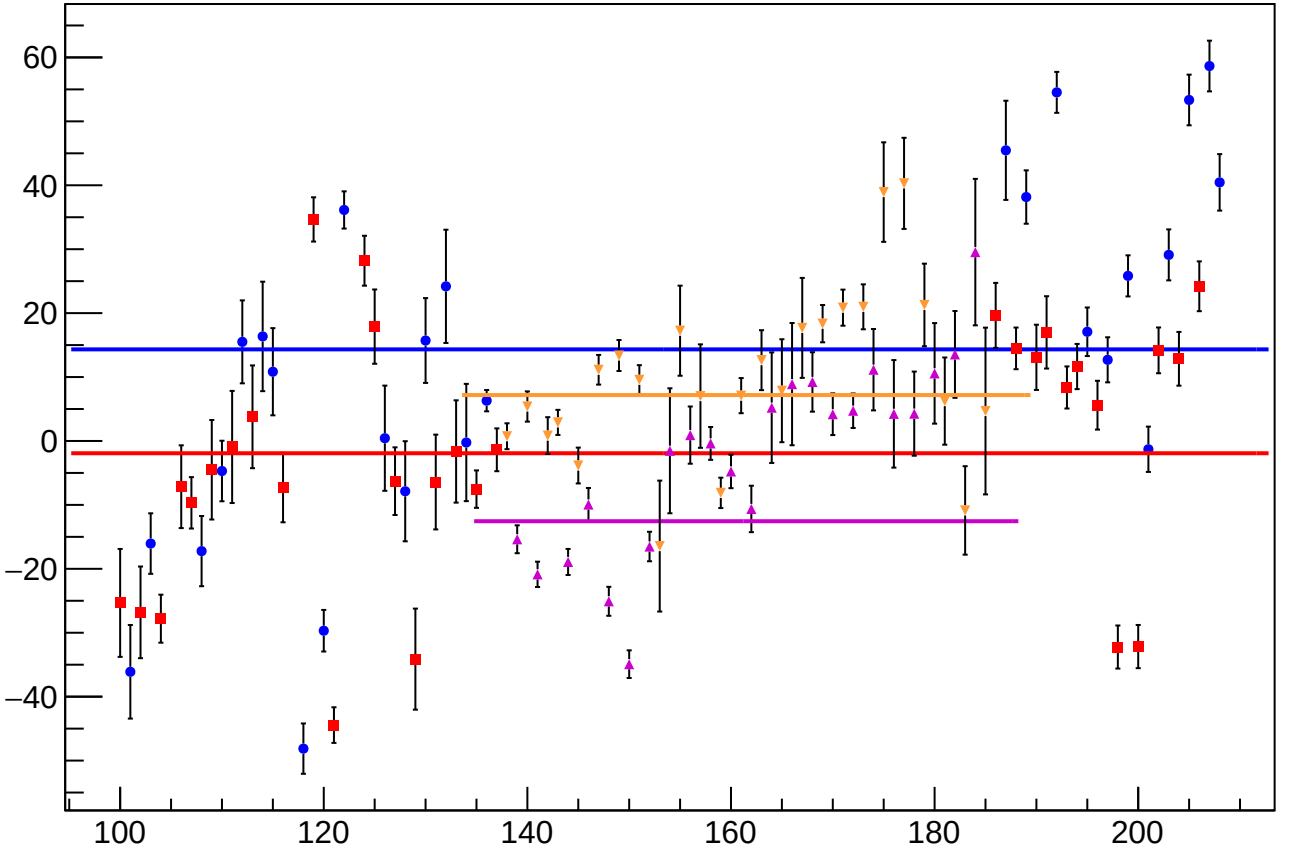
Right: 9670.155+/-1.205 χ^2/NDF: 128926.4/57

In: 10240.521+/-1.245 χ^2/NDF:593728.4/49

Out: 10277.985+/-1.221 χ^2/NDF:761124.7/55

All: 10259.619+/-0.872 χ^2/NDF: 1355314.7/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 14.329+/-0.778 χ^2/NDF: 1176.8/26

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -1.921+/-0.770 χ^2/NDF: 840.0/30

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

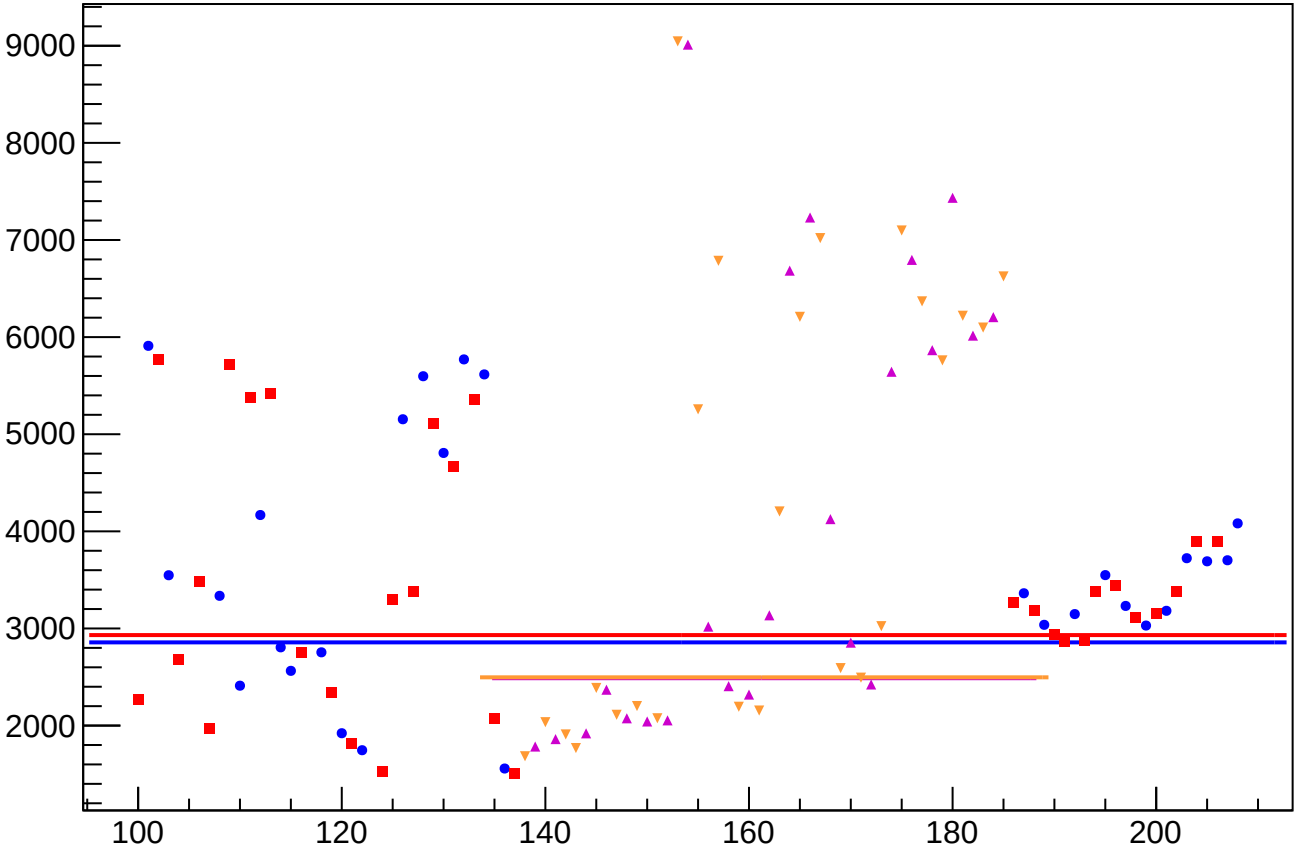
Right: 6.124+/-0.547 χ^2/NDF: 2237.3/57

In: -1.285+/-0.503 χ^2/NDF:2243.1/49

Out: 3.371+/-0.498 χ^2/NDF:1123.0/55

All: 1.067+/-0.354 χ^2/NDF: 3409.3/105

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2856.696+/-0.550 χ^2/NDF: 3720189.6/26

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2931.864+/-0.544 χ^2/NDF: 3072418.8/30

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

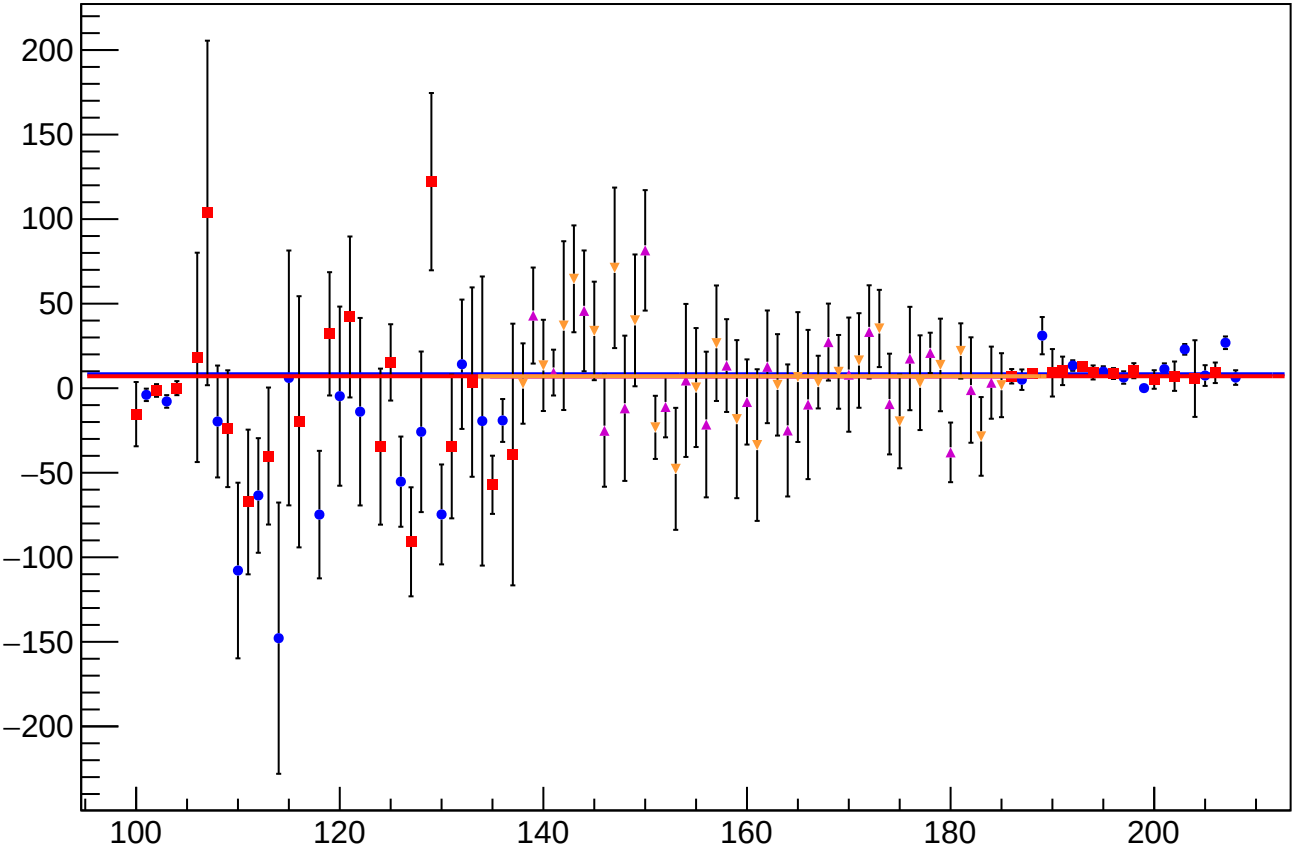
Right: 2894.651+/-0.387 χ^2/NDF: 6802046.6/57

In: 2642.382+/-0.356 χ^2/NDF:10085246.9/49

Out: 2679.031+/-0.352 χ^2/NDF:10649394.1/55

All: 2660.894+/-0.250 χ^2/NDF: 20739995.6/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 8.245+/-1.040 χ^2/NDF: 130.7/26

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 7.071+/-1.161 χ^2/NDF: 52.8/30

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

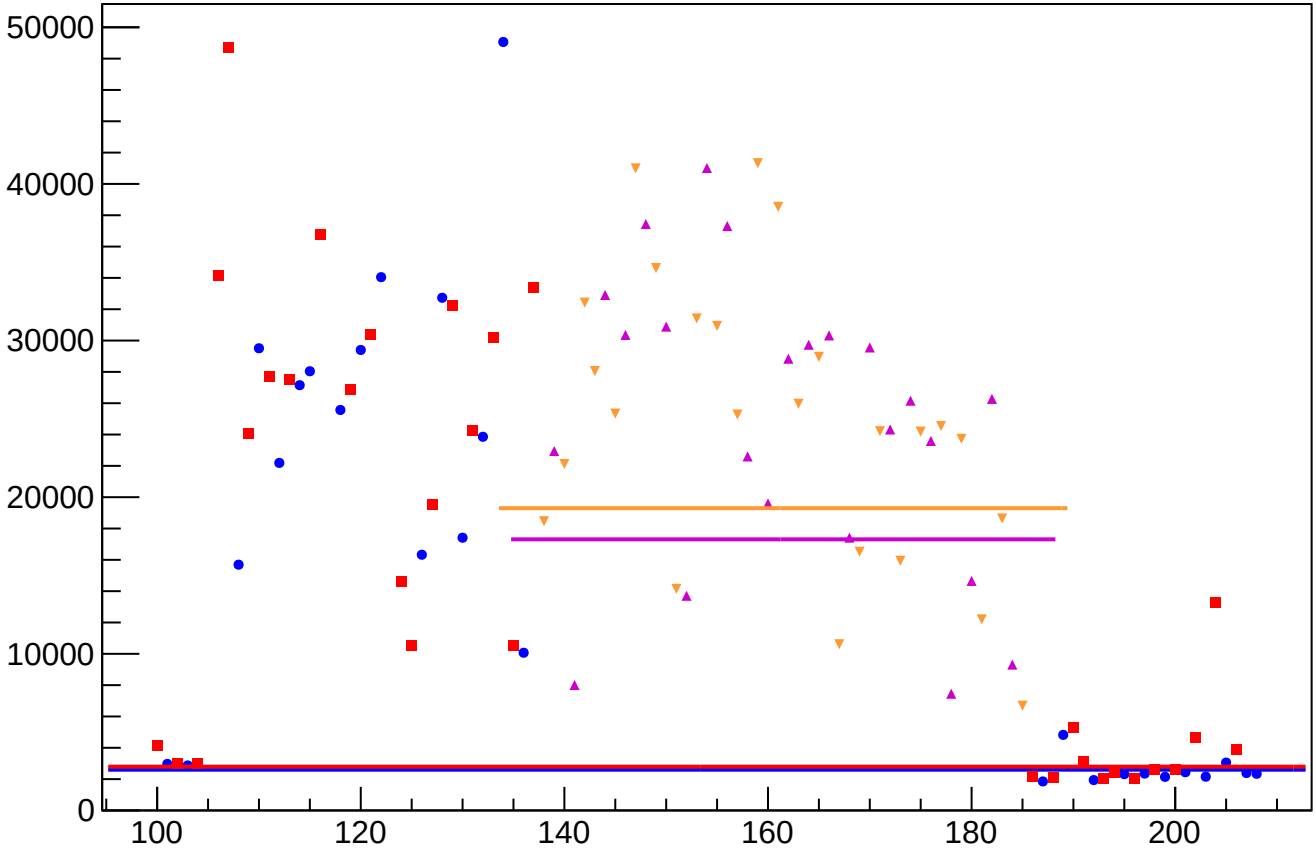
Right: 7.722+/-0.775 χ^2/NDF: 184.1/57

In: 8.193+/-1.019 χ^2/NDF:151.9/49

Out: 7.070+/-1.134 χ^2/NDF:72.4/55

All: 7.691+/-0.758 χ^2/NDF: 224.8/105

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2604.007+/-0.735 χ^2/NDF: 7944713.4/26

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2795.082+/-0.821 χ^2/NDF: 9402062.9/30

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

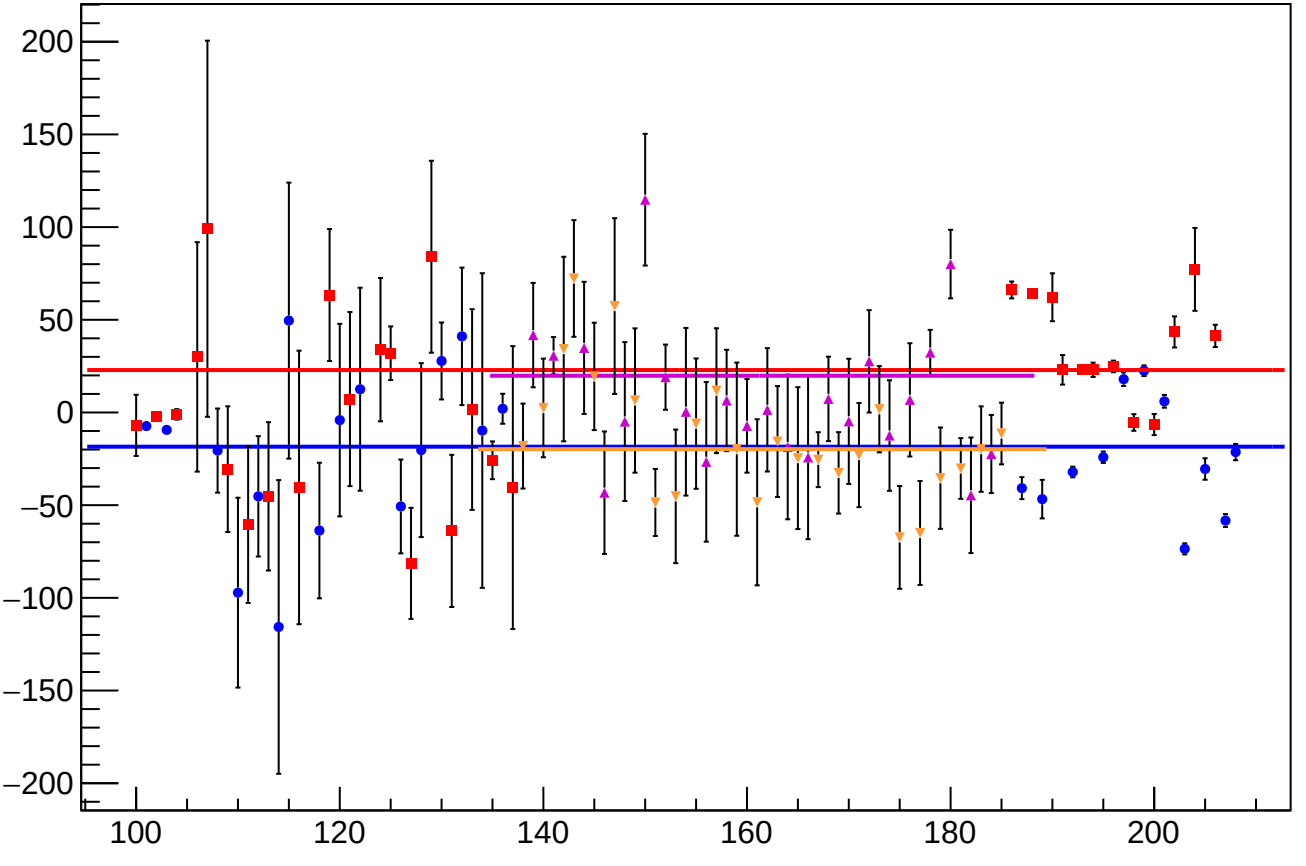
Right: 2689.052+/-0.548 χ^2/NDF: 17376828.7/57

In: 3193.115+/-0.720 χ^2/NDF:30685683.2/49

Out: 3571.112+/-0.802 χ^2/NDF:33437578.2/55

All: 3362.035+/-0.536 χ^2/NDF: 64246275.8/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -18.453+/-0.928 χ^2/NDF: 932.2/26

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.885+/-1.022 χ^2/NDF: 675.6/30

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

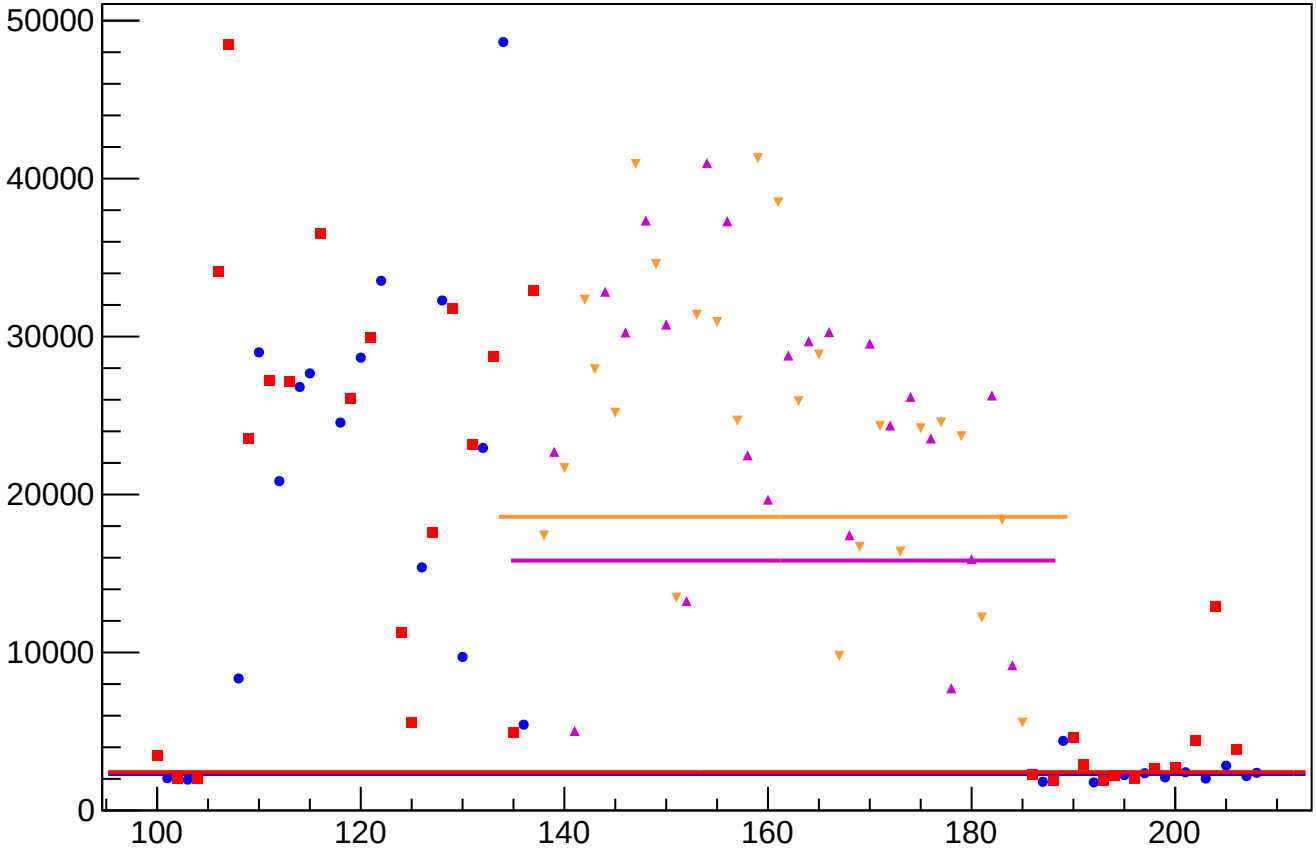
Right: 0.239+/-0.687 χ^2/NDF: 2504.4/57

In: -17.098+/-0.912 χ^2/NDF:1032.6/49

Out: 21.250+/-1.002 χ^2/NDF:770.2/55

All: 0.271+/-0.674 χ^2/NDF: 2604.1/105

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2311.785+/-0.656 χ^2/NDF: 7067126.3/26

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2423.345+/-0.723 χ^2/NDF: 9010577.4/30

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

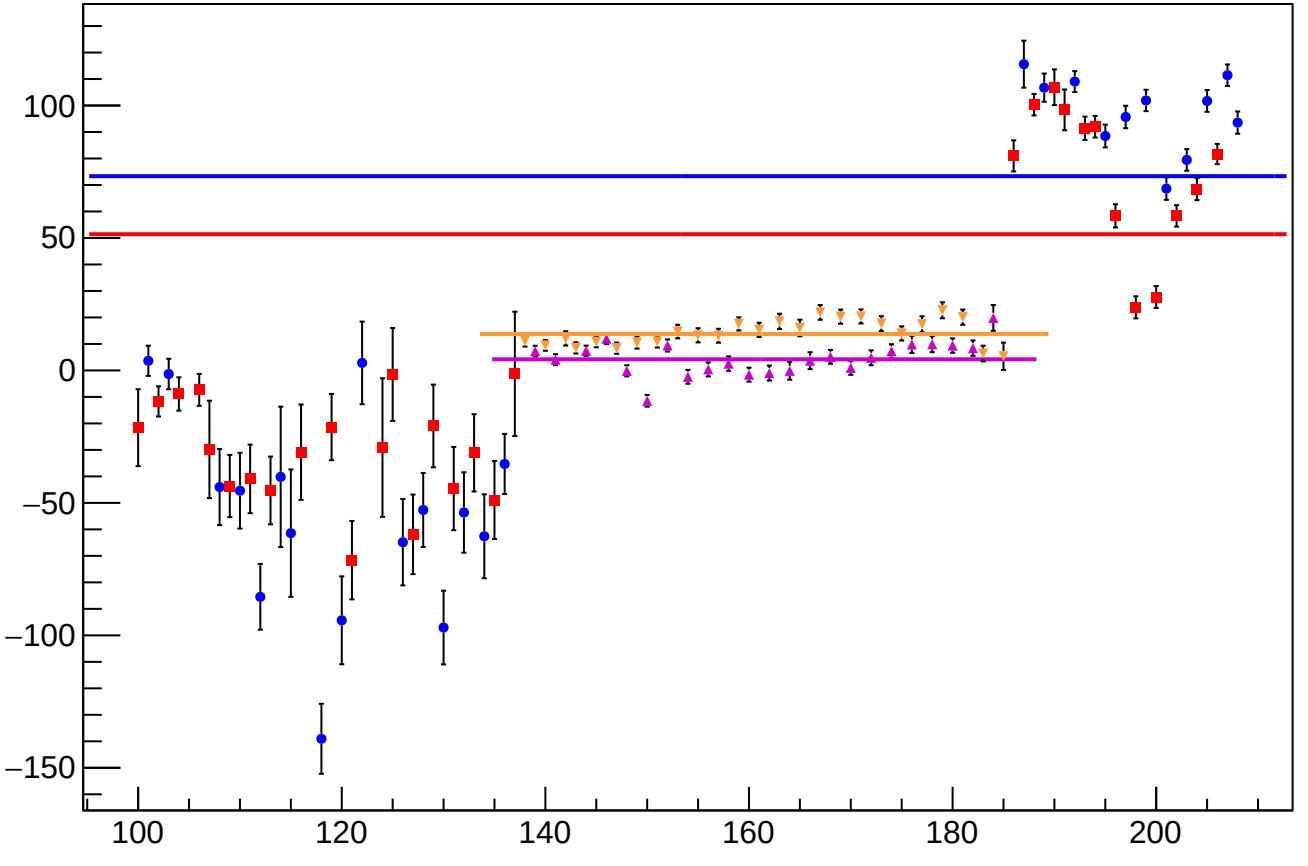
Right: 2362.229+/-0.486 χ^2/NDF: 16090763.5/57

In: 2789.959+/-0.645 χ^2/NDF:30461447.6/49

Out: 3043.346+/-0.709 χ^2/NDF:33907311.0/55

All: 2904.724+/-0.477 χ^2/NDF: 64438721.8/

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 73.333+/-1.196 χ^2/NDF: 1982.5/26

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 51.419+/-1.156 χ^2/NDF: 1486.8/30

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

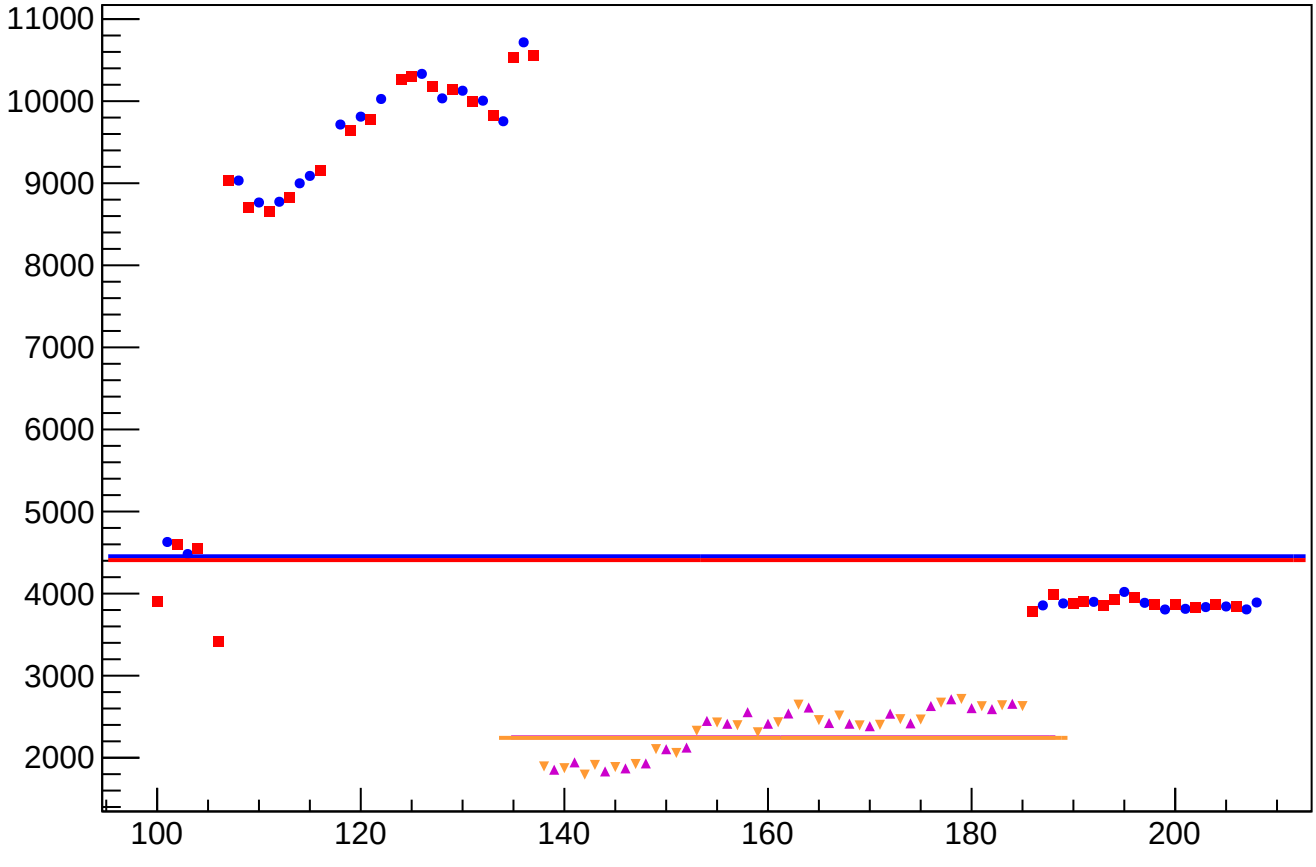
Right: 62.002+/-0.831 χ^2/NDF: 3642.9/57

In: 15.553+/-0.485 χ^2/NDF:4899.2/49

Out: 19.979+/-0.470 χ^2/NDF:2450.4/55

All: 17.836+/-0.337 χ^2/NDF: 7392.6/105

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4454.730+/-0.846 χ^2/NDF: 3957606.1/26

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4408.090+/-0.817 χ^2/NDF: 3896774.3/30

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

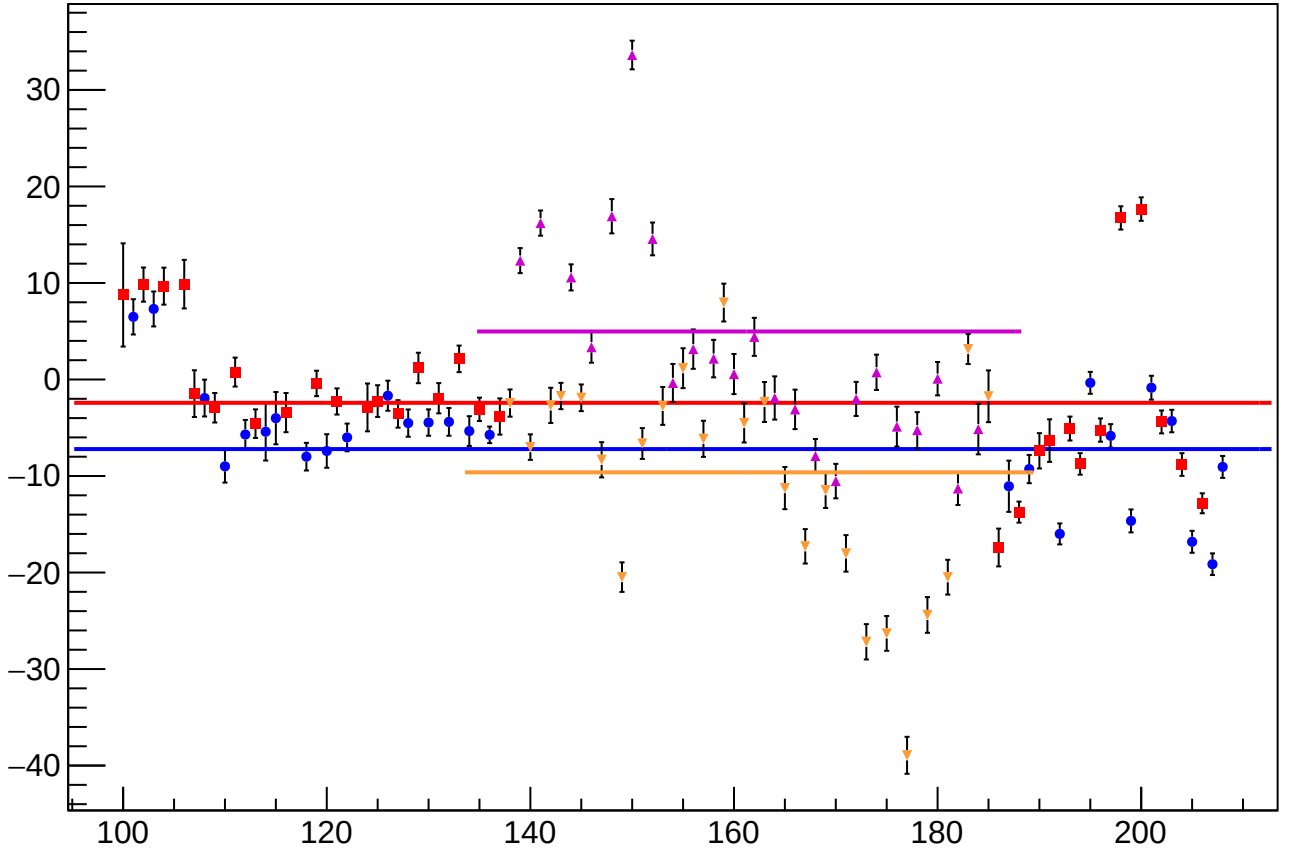
Right: 4430.614+/-0.588 χ^2/NDF: 7855953.2/57

In: 2610.817+/-0.343 χ^2/NDF:10288322.6/49

Out: 2599.960+/-0.332 χ^2/NDF:10417823.5/55

All: 2605.218+/-0.238 χ^2/NDF: 20706663.8/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -7.208+/-0.265 χ^2/NDF: 527.9/26

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.417+/-0.263 χ^2/NDF: 1020.5/30

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

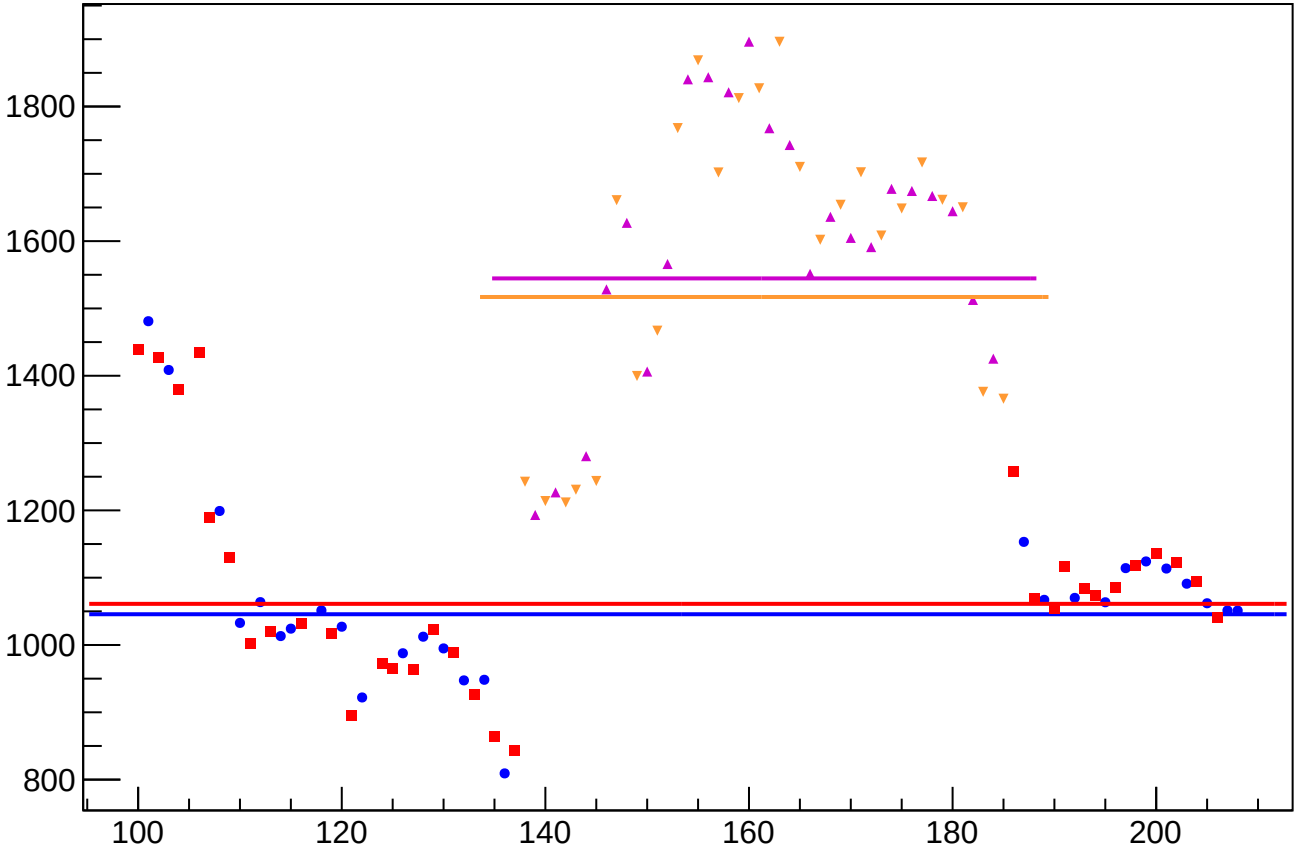
Right: -4.798+/-0.187 χ^2/NDF: 1713.3/57

In: -3.006+/-0.214 χ^2/NDF:2188.9/49

Out: -5.026+/-0.210 χ^2/NDF:2226.5/55

All: -4.035+/-0.150 χ^2/NDF: 4460.7/105

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1045.693+/-0.187 χ^2/NDF: 428240.3/26

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1061.119+/-0.186 χ^2/NDF: 406886.9/30

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

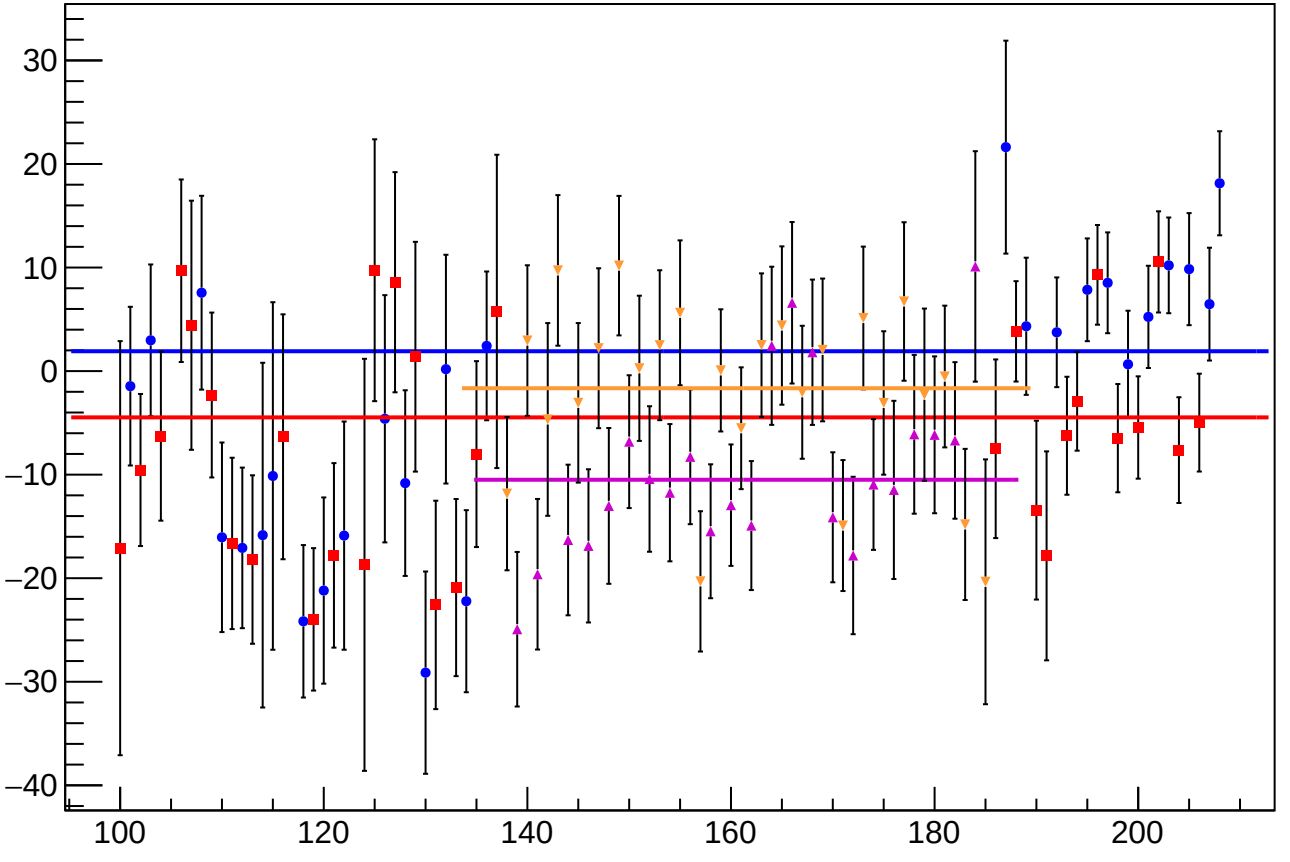
Right: 1053.451+/-0.132 χ^2/NDF: 838547.0/57

In: 1217.767+/-0.151 χ^2/NDF:3520205.5/49

Out: 1226.197+/-0.149 χ^2/NDF:3415536.0/55

All: 1222.063+/-0.106 χ^2/NDF: 6937320.7/10

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 1.917+/-1.318 χ^2/NDF: 78.0/26

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -4.470+/-1.282 χ^2/NDF: 54.9/30

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

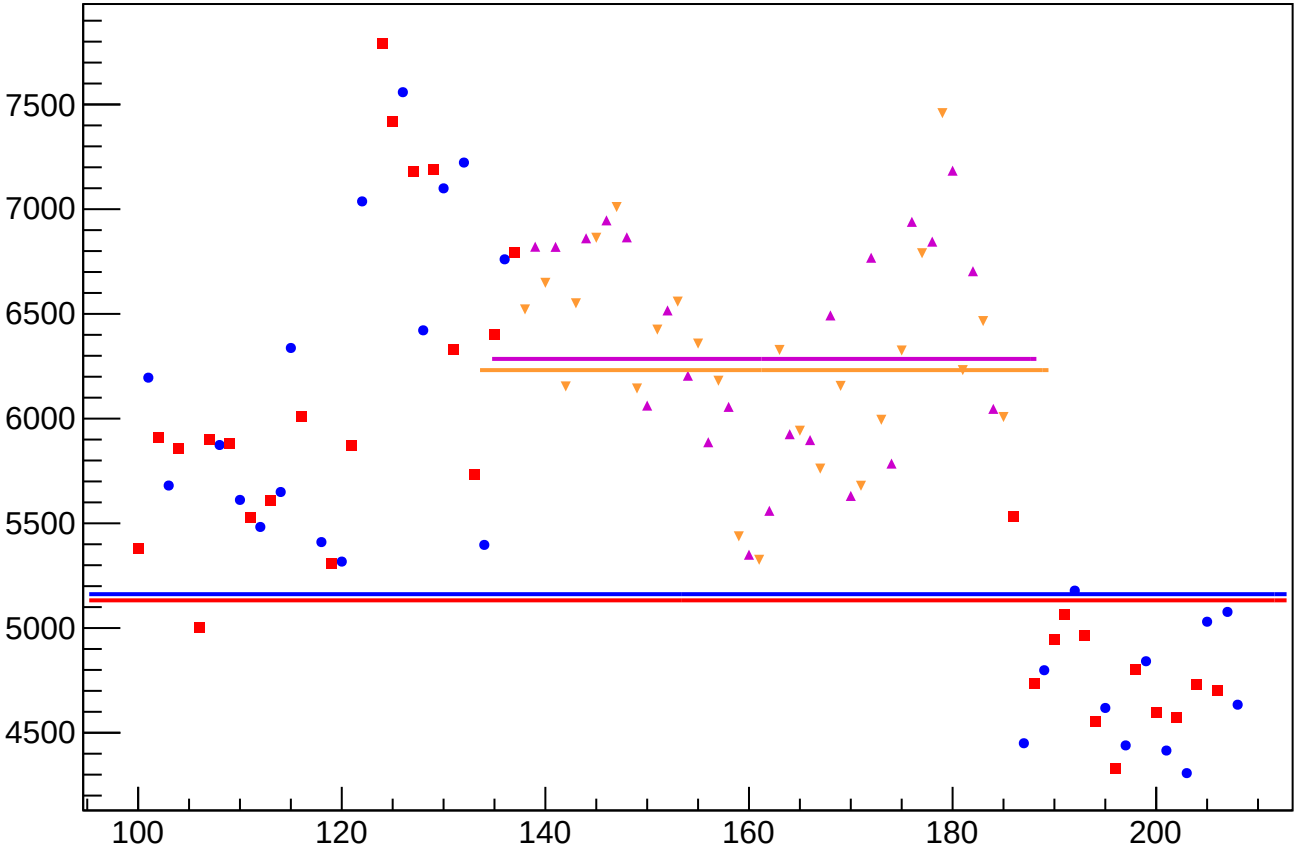
Right: -1.364+/-0.919 χ^2/NDF: 145.0/57

In: -3.572+/-0.984 χ^2/NDF:142.2/49

Out: -3.212+/-0.954 χ^2/NDF:88.5/55

All: -3.386+/-0.685 χ^2/NDF: 230.7/105

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5161.706+/-0.932 χ^2/NDF: 736773.1/26

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5132.241+/-0.907 χ^2/NDF: 641546.1/30

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

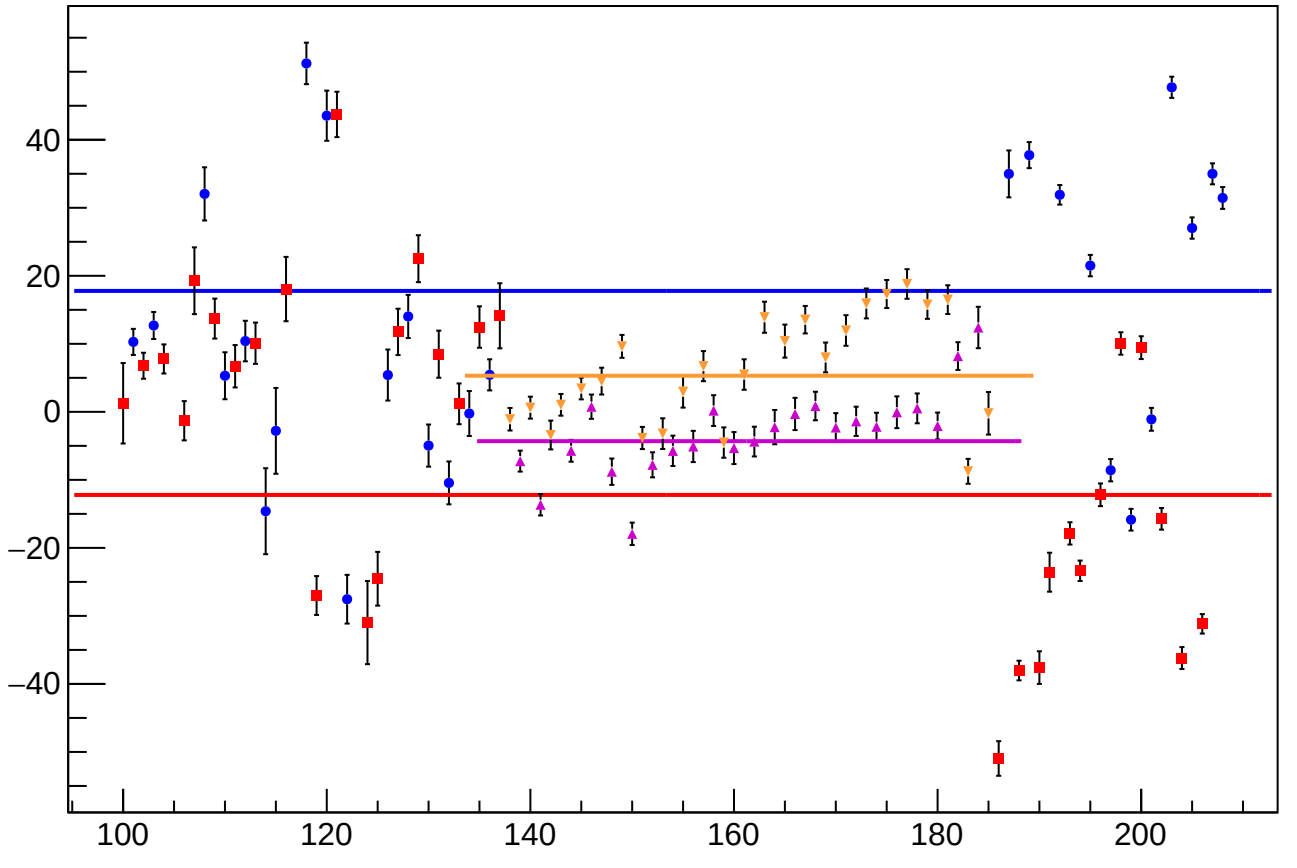
Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

Right: 5146.568+/-0.650 χ^2/NDF: 1378832.8/57

In: 5658.632+/-0.696 χ^2/NDF:1644910.8/49

Out: 5623.557+/-0.674 χ^2/NDF:1525641.8/55

All: 5640.539+/-0.484 χ^2/NDF: 3171862.9/10



Right In: 17.779+/-0.417 χ^2/NDF: 2290.6/26

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -12.217+/-0.409 χ^2/NDF: 2583.5/30

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

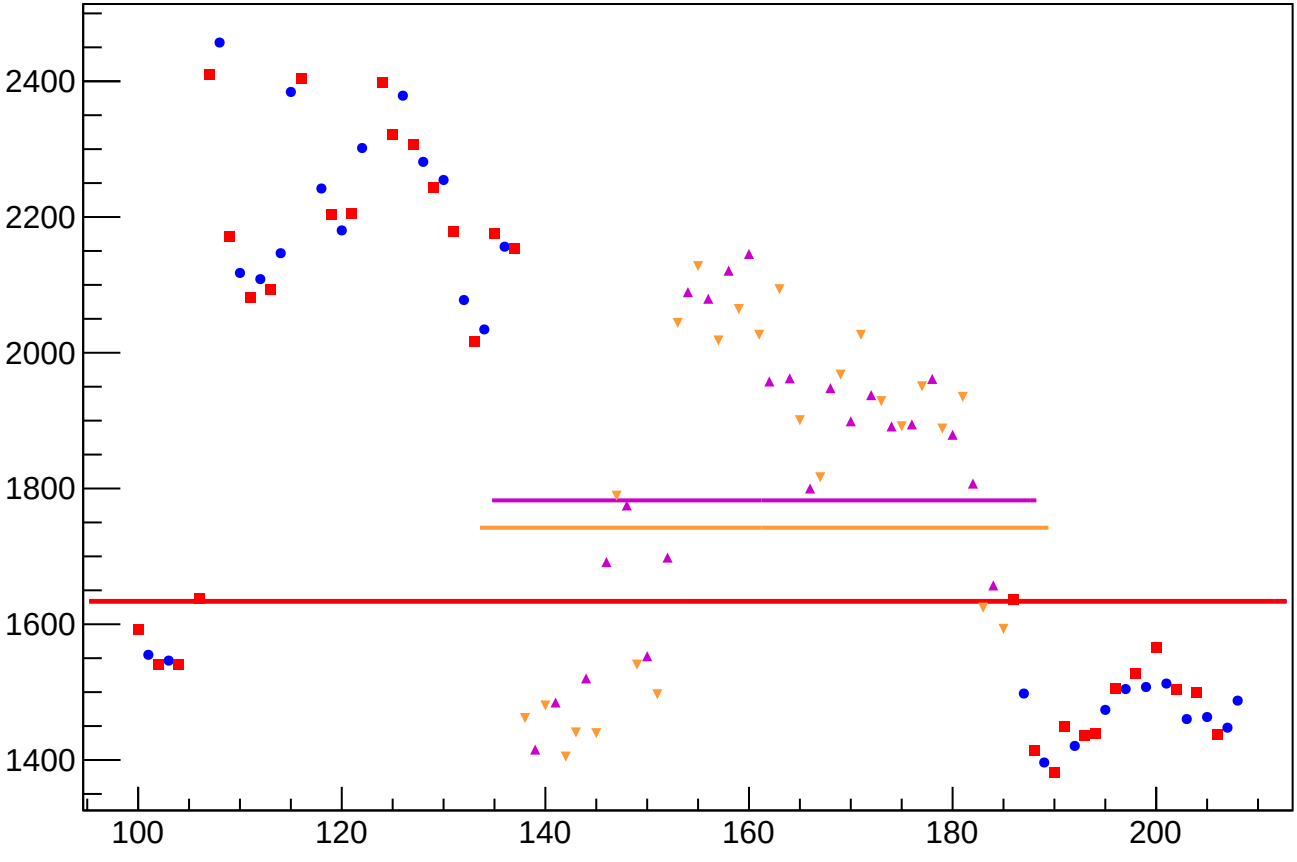
Right: 2.482+/-0.292 χ^2/NDF: 7508.5/57

In: 6.807+/-0.296 χ^2/NDF:3902.5/49

Out: -3.263+/-0.286 χ^2/NDF:3899.5/55

All: 1.600+/-0.206 χ^2/NDF: 8400.1/105

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1633.386+/-0.295 χ^2/NDF: 1064212.6/26

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1634.366+/-0.289 χ^2/NDF: 1033694.3/30

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

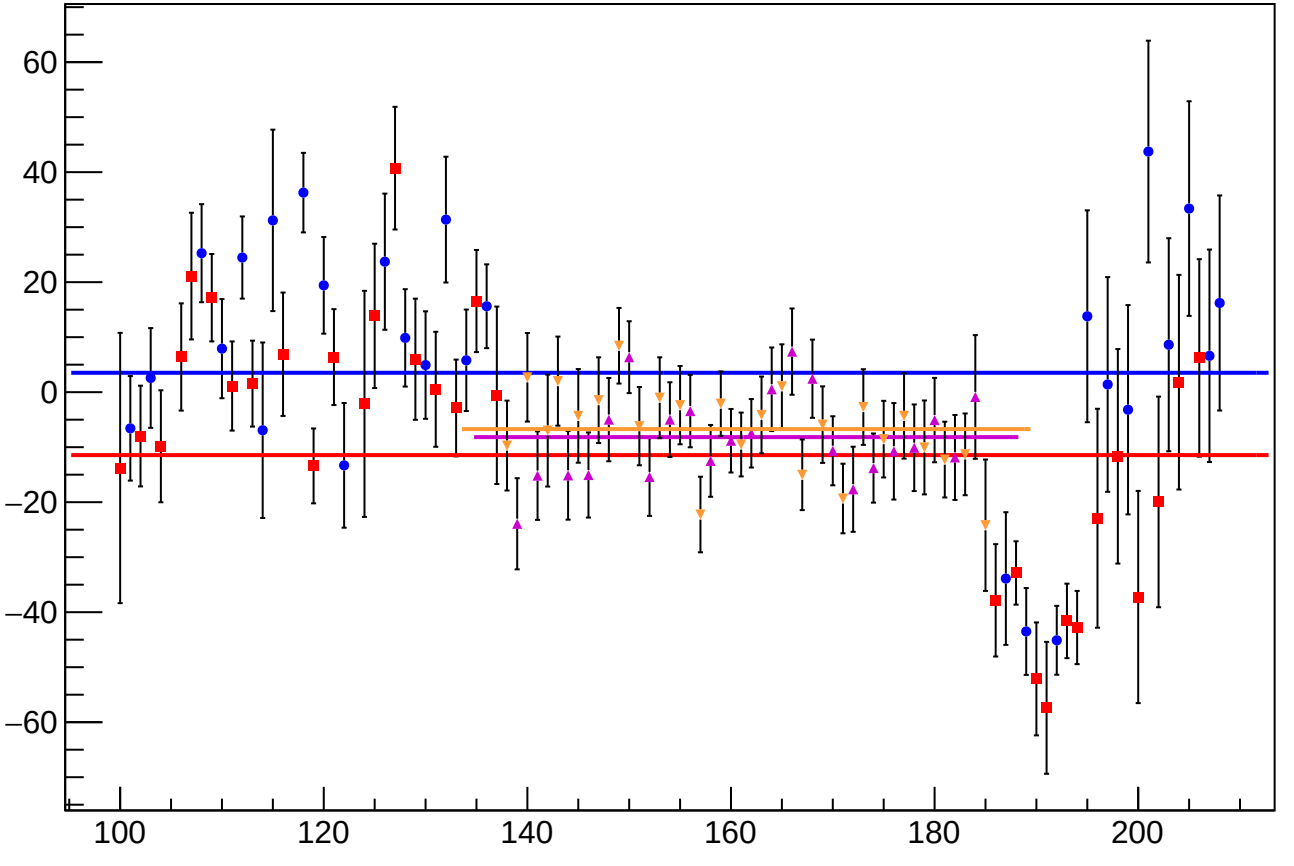
Right: 1633.886+/-0.207 χ^2/NDF: 2097912.5/57

In: 1707.456+/-0.209 χ^2/NDF:1725414.4/49

Out: 1689.457+/-0.202 χ^2/NDF:1872362.1/55

All: 1698.149+/-0.145 χ^2/NDF: 3601598.6/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.526+/-2.002 χ^2/NDF: 168.9/26

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.441+/-1.795 χ^2/NDF: 173.3/30

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

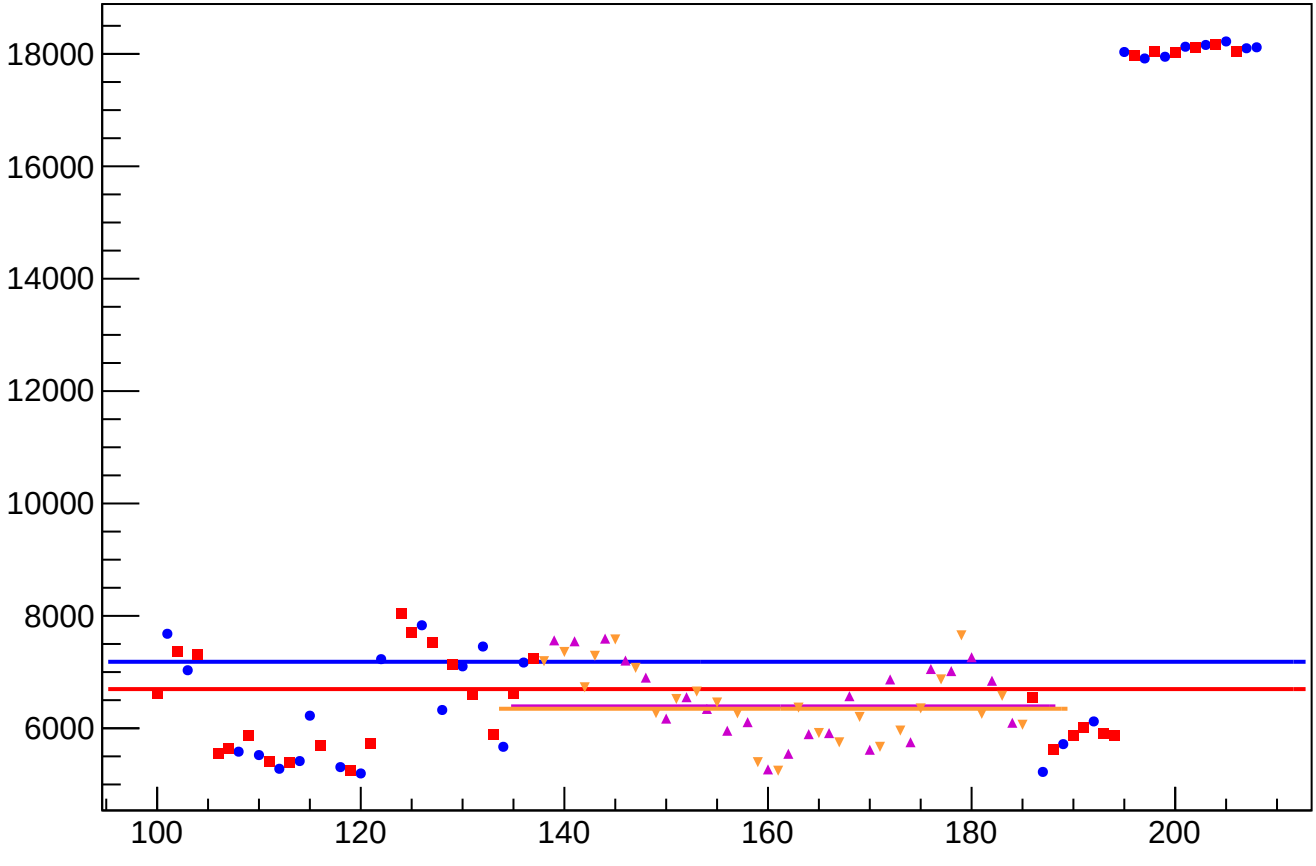
Right: -4.769+/-1.337 χ^2/NDF: 373.2/57

In: -3.930+/-1.206 χ^2/NDF:214.8/49

Out: -8.592+/-1.132 χ^2/NDF:203.2/55

All: -6.408+/-0.825 χ^2/NDF: 426.0/105

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7183.088+/-1.416 χ^2/NDF: 5812493.4/26

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6697.116+/-1.270 χ^2/NDF: 4731219.5/30

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

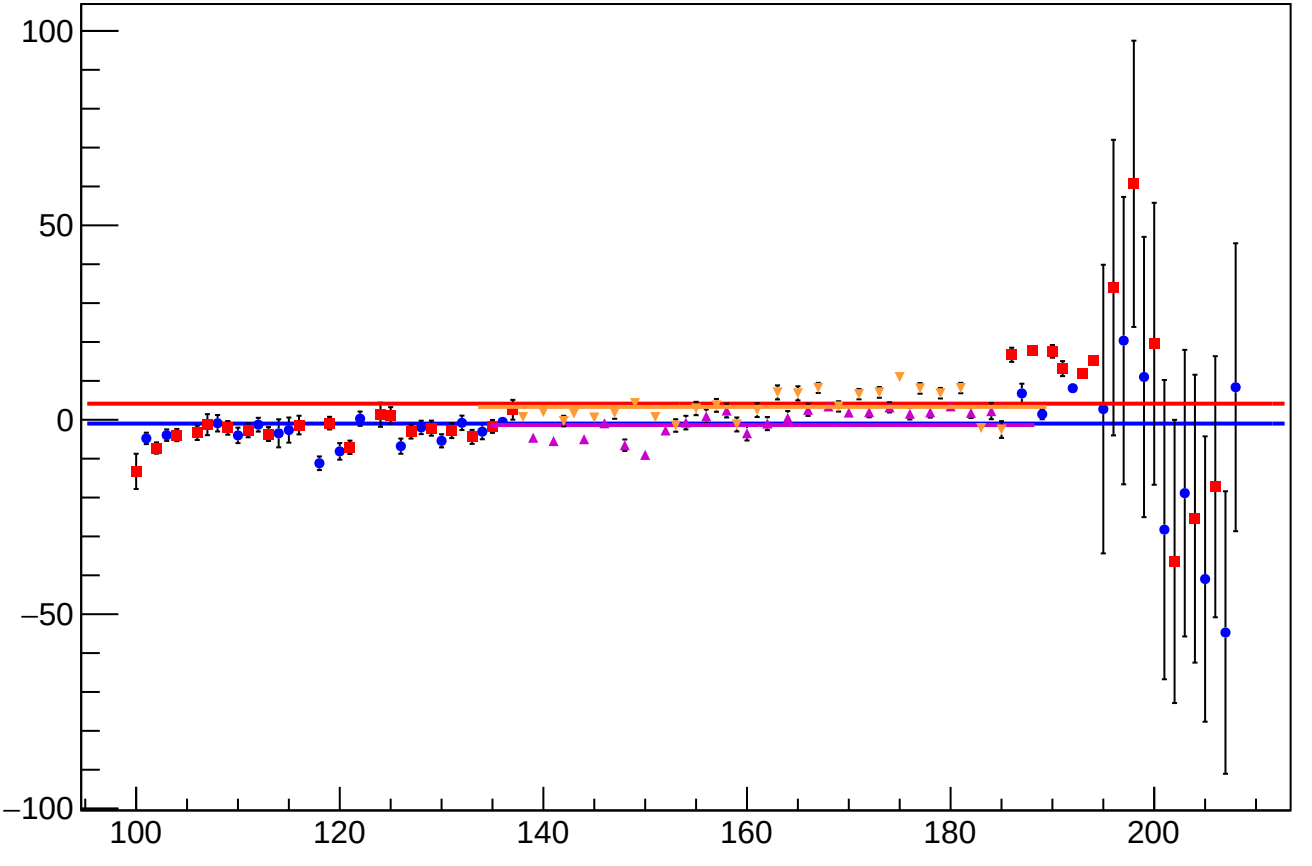
Right: 6913.733+/-0.945 χ^2/NDF: 10609028.5/57

In: 6677.194+/-0.852 χ^2/NDF:6432593.7/49

Out: 6486.281+/-0.800 χ^2/NDF:5163007.7/55

All: 6575.712+/-0.583 χ^2/NDF: 11622263.6/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.980+/-0.386 χ^2/NDF: 183.5/26

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.146+/-0.342 χ^2/NDF: 749.8/30

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

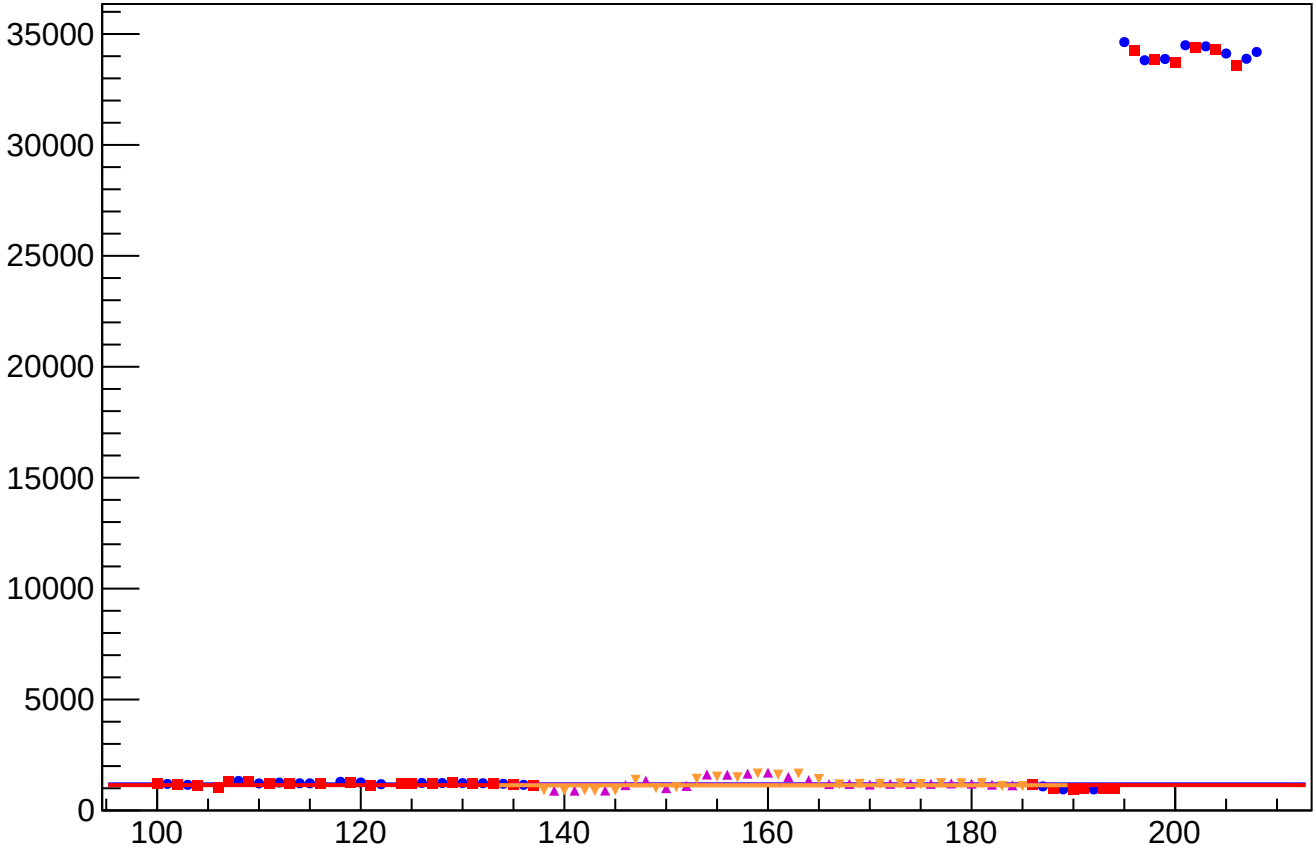
Right: 1.891+/-0.256 χ^2/NDF: 1032.2/57

In: -1.228+/-0.225 χ^2/NDF:380.4/49

Out: 3.623+/-0.209 χ^2/NDF:931.5/55

All: 1.373+/-0.153 χ^2/NDF: 1561.4/105

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1176.594+/-0.273 χ^2/NDF: 12994585.8/26

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1140.782+/-0.242 χ^2/NDF: 10076582.9/30

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

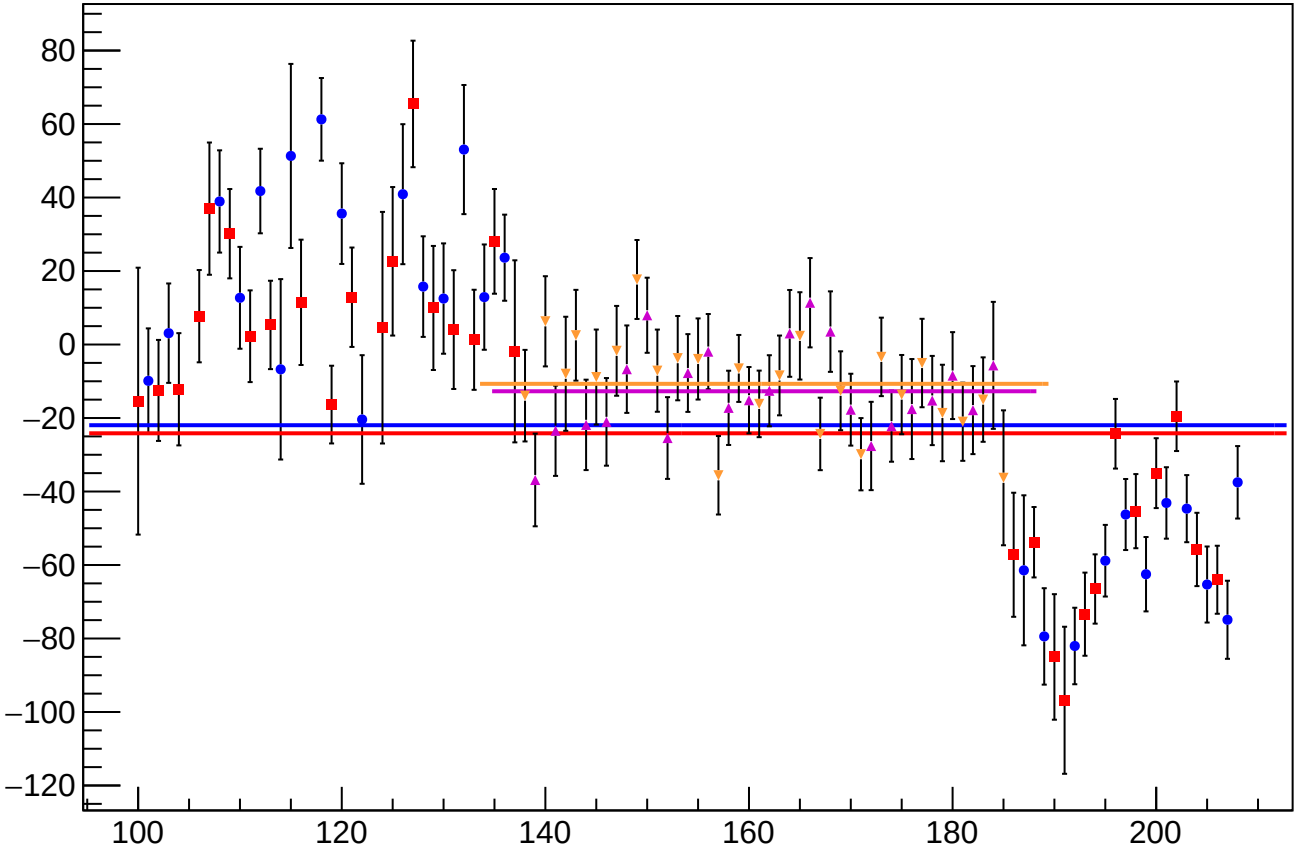
Right: 1156.537+/-0.181 χ^2/NDF: 23080815.1/57

In: 1165.258+/-0.159 χ^2/NDF:14256991.9/49

Out: 1138.509+/-0.148 χ^2/NDF:11546410.2/55

All: 1150.920+/-0.108 χ^2/NDF: 25818573.8/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -21.958+/-2.387 χ^2/NDF: 353.4/26

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -24.158+/-2.305 χ^2/NDF: 233.4/30

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

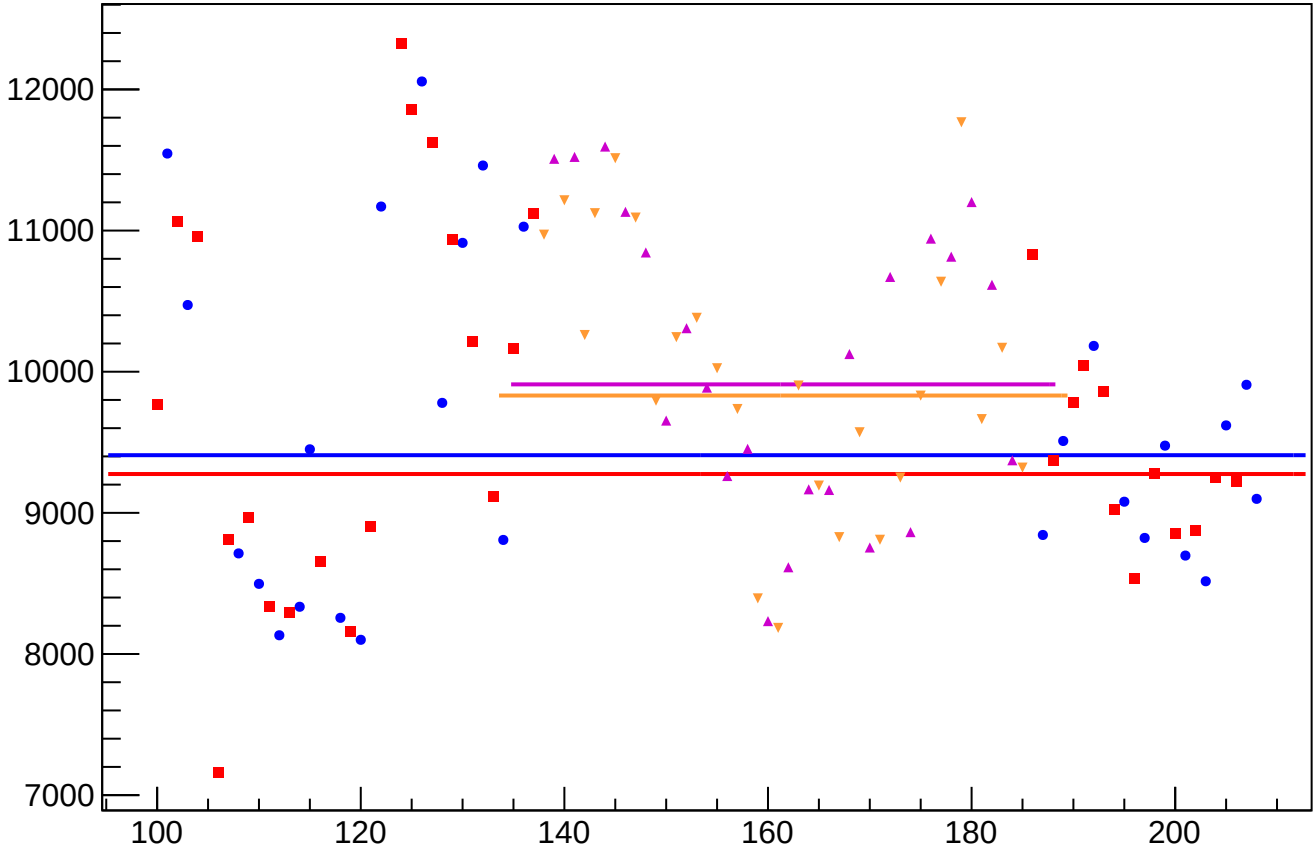
Right: -23.096+/-1.658 χ^2/NDF: 587.2/57

In: -17.248+/-1.671 χ^2/NDF:385.1/49

Out: -17.285+/-1.613 χ^2/NDF:279.5/55

All: -17.267+/-1.161 χ^2/NDF: 664.6/105

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9408.585+/-1.688 χ^2/NDF: 347437.9/26

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9275.165+/-1.630 χ^2/NDF: 351286.8/30

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

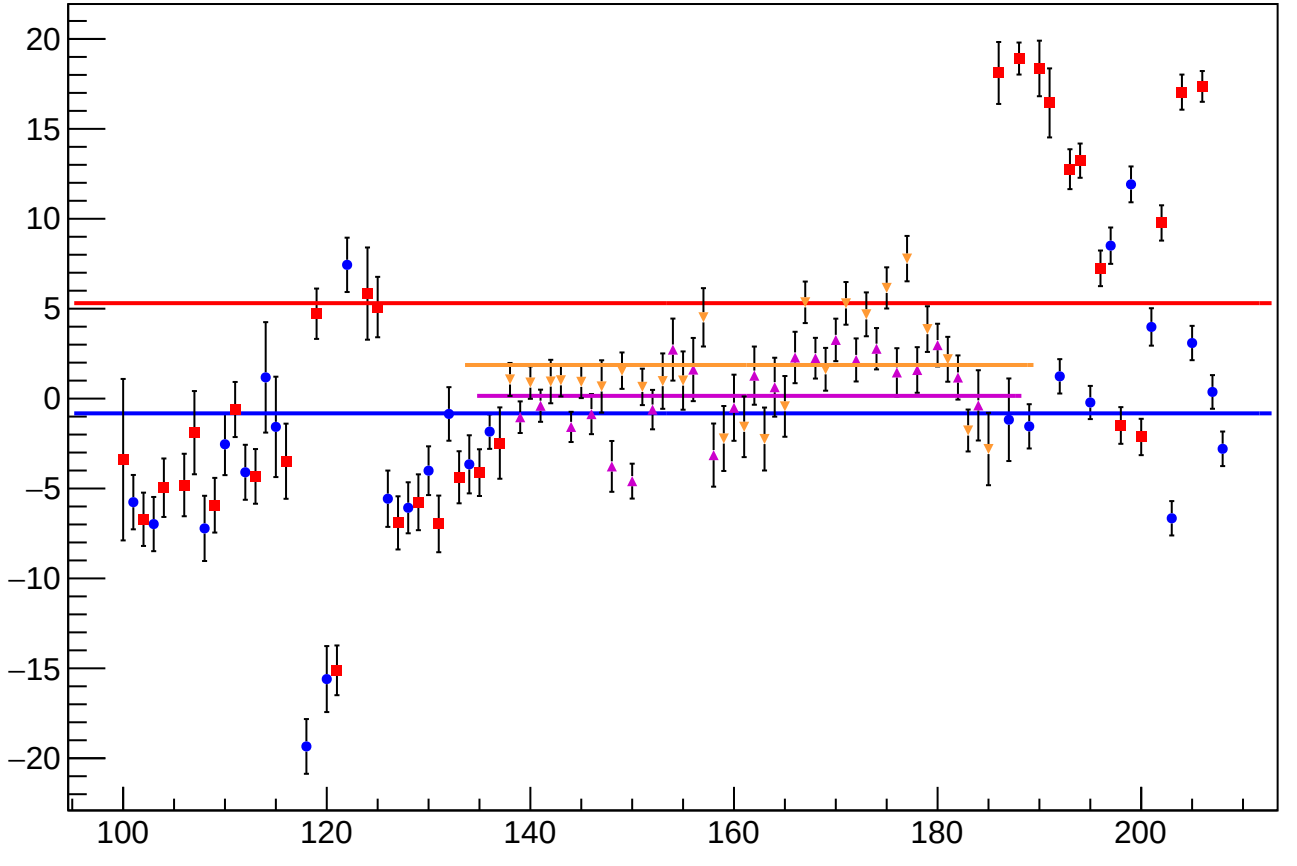
Right: 9339.548+/-1.173 χ^2/NDF: 701957.1/57

In: 9664.371+/-1.182 χ^2/NDF:781840.4/49

Out: 9559.107+/-1.140 χ^2/NDF:766832.2/55

All: 9609.863+/-0.821 χ^2/NDF: 1552780.2/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.821+/-0.241 χ^2/NDF: 656.4/26

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 5.307+/-0.238 χ^2/NDF: 1765.2/30

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

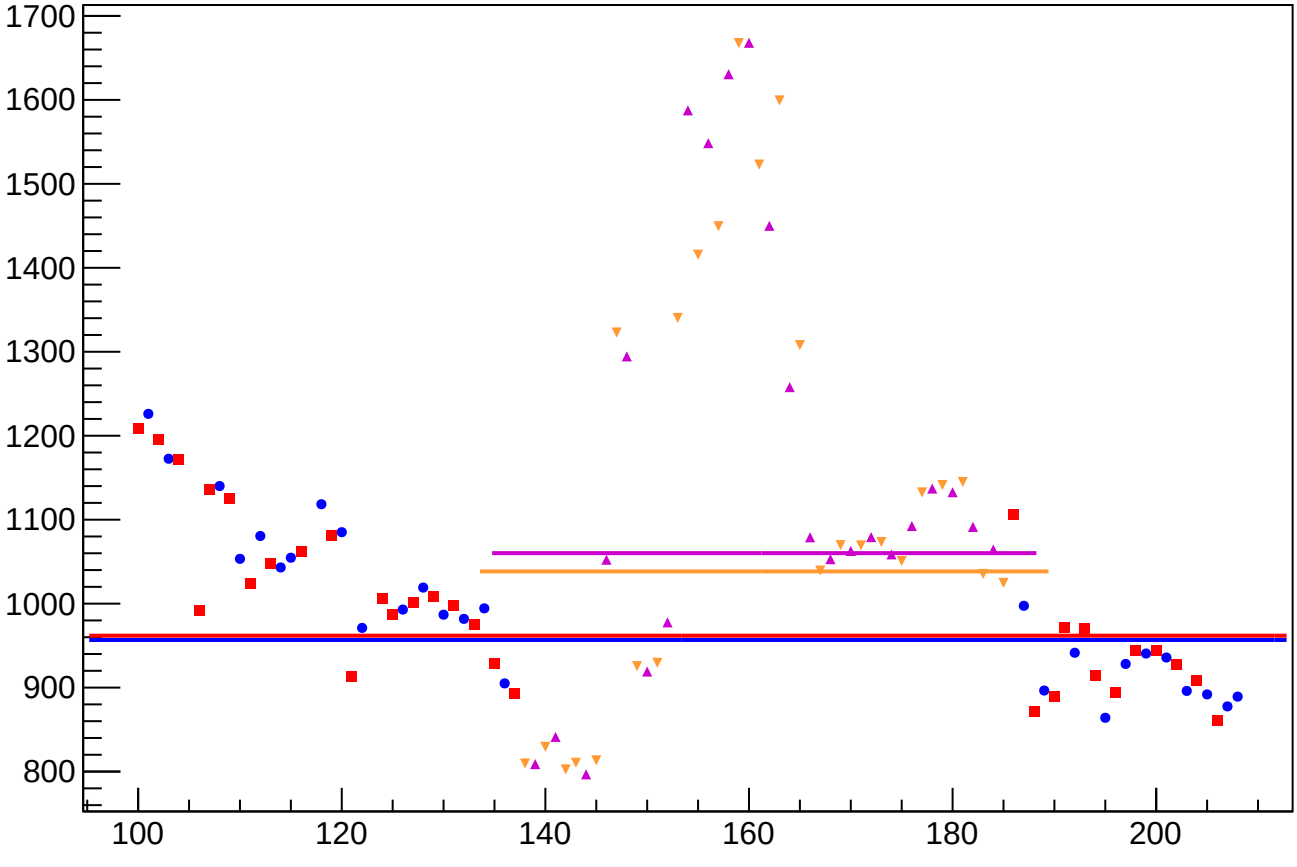
Right: 2.288+/-0.169 χ^2/NDF: 2748.6/57

In: -0.360+/-0.175 χ^2/NDF:739.7/49

Out: 3.622+/-0.170 χ^2/NDF:1970.8/55

All: 1.692+/-0.122 χ^2/NDF: 2977.0/105

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 956.724+/-0.171 χ^2/NDF: 264814.6/26

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 961.830+/-0.168 χ^2/NDF: 255651.2/30

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

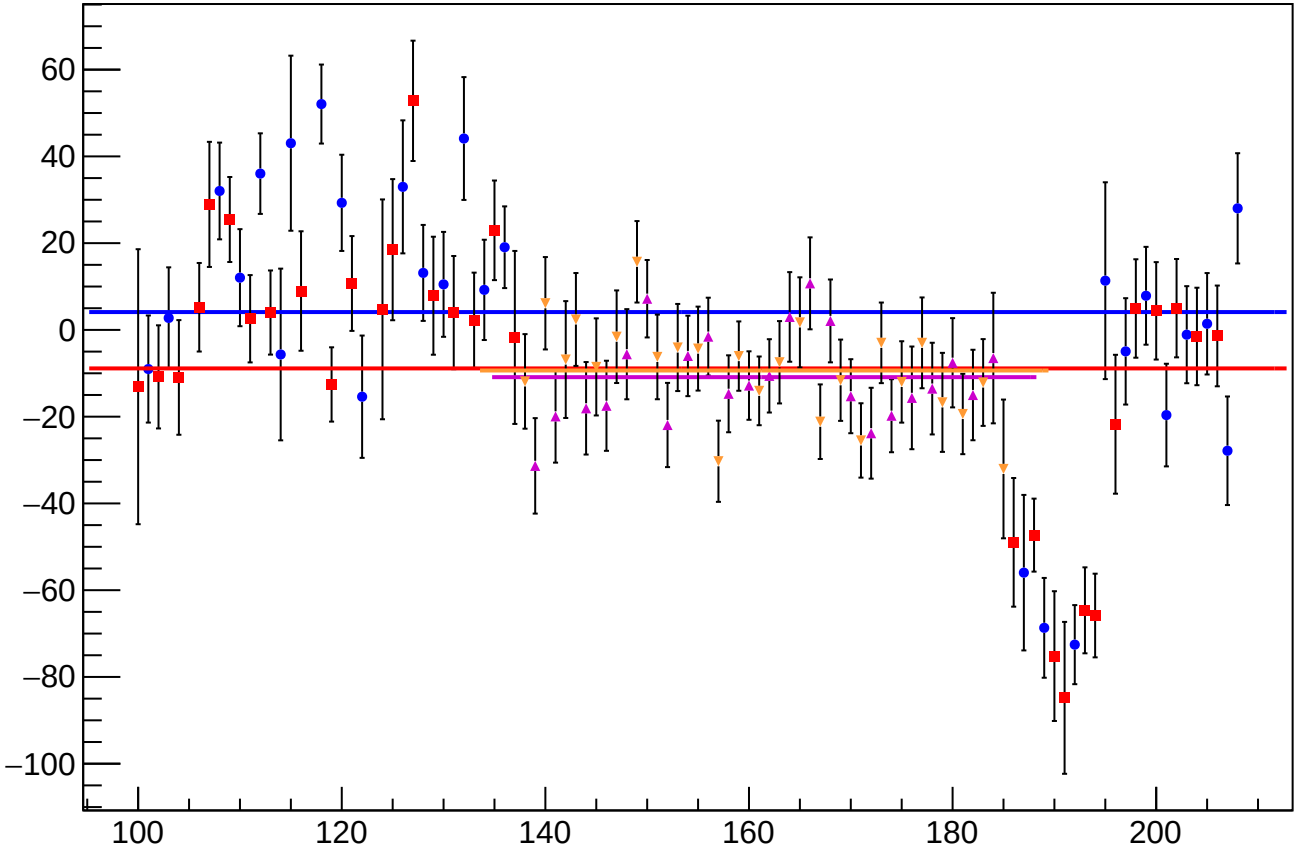
Right: 959.314+/-0.120 χ^2/NDF: 520919.9/57

In: 1005.709+/-0.124 χ^2/NDF:1961982.3/49

Out: 999.352+/-0.120 χ^2/NDF:2063919.5/55

All: 1002.433+/-0.086 χ^2/NDF: 4027259.5/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.113+/-2.300 χ^2/NDF: 210.8/26

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -8.877+/-2.148 χ^2/NDF: 202.6/30

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

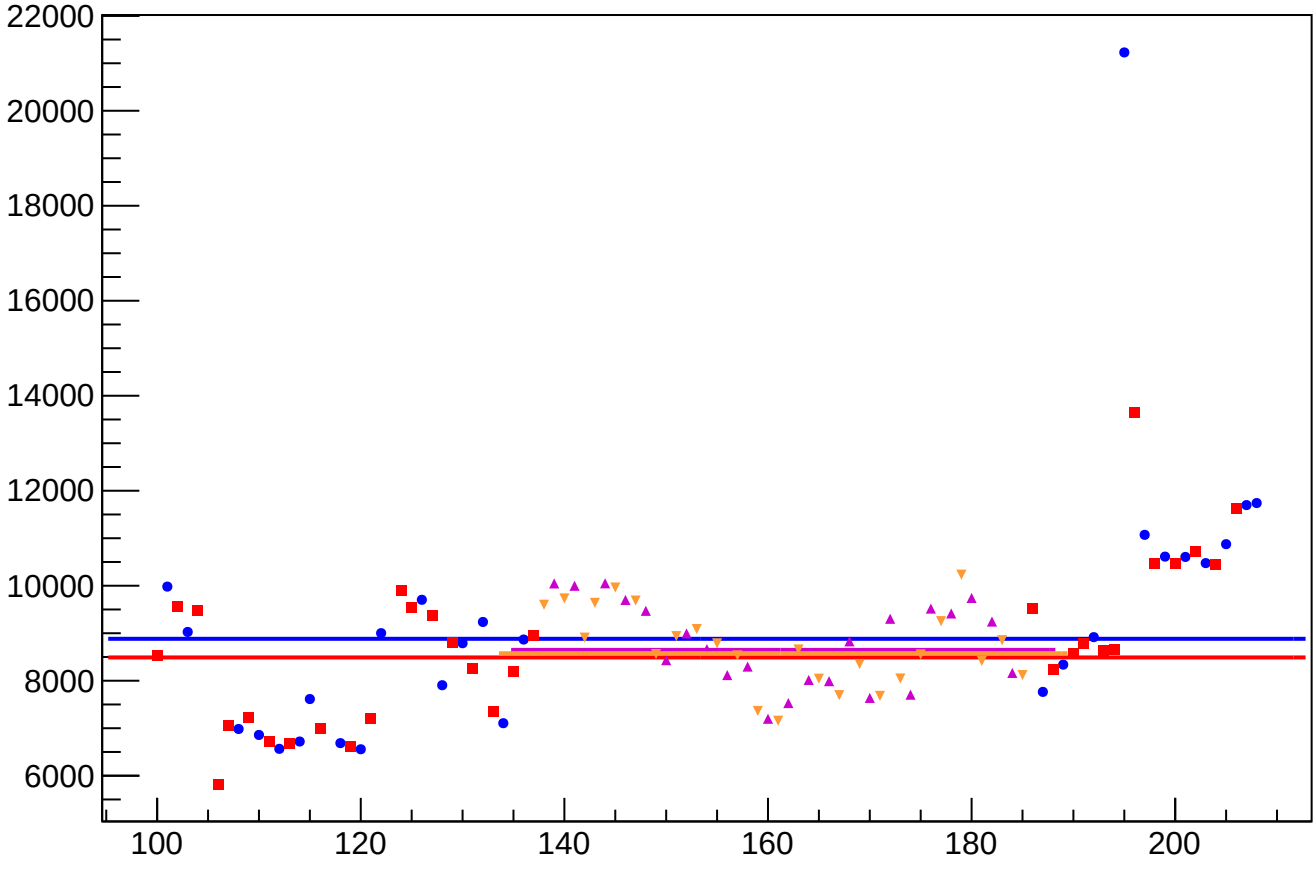
Right: -2.825+/-1.570 χ^2/NDF: 430.4/57

In: -4.277+/-1.527 χ^2/NDF:258.2/49

Out: -9.137+/-1.452 χ^2/NDF:231.1/55

All: -6.831+/-1.052 χ^2/NDF: 494.6/105

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8882.660+/-1.627 χ^2/NDF: 1629071.4/26

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8490.170+/-1.519 χ^2/NDF: 1171531.9/30

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

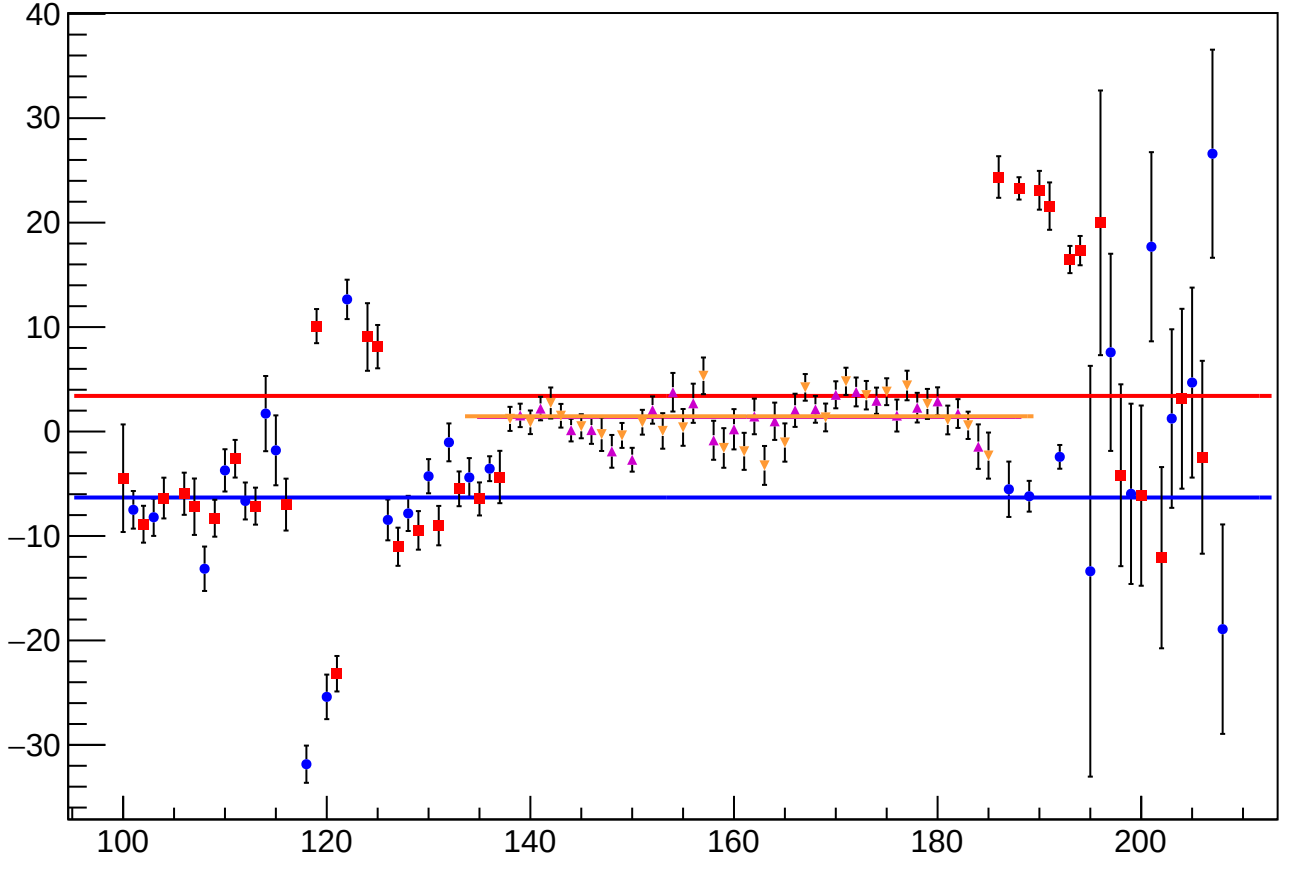
Right: 8673.009+/-1.110 χ^2/NDF: 2831700.7/57

In: 8752.130+/-1.080 χ^2/NDF:2018518.3/49

Out: 8538.115+/-1.026 χ^2/NDF:1517086.0/55

All: 8639.686+/-0.744 χ^2/NDF: 3556235.8/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.316+/-0.404 χ^2/NDF: 461.6/26

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.410+/-0.359 χ^2/NDF: 1561.5/30

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

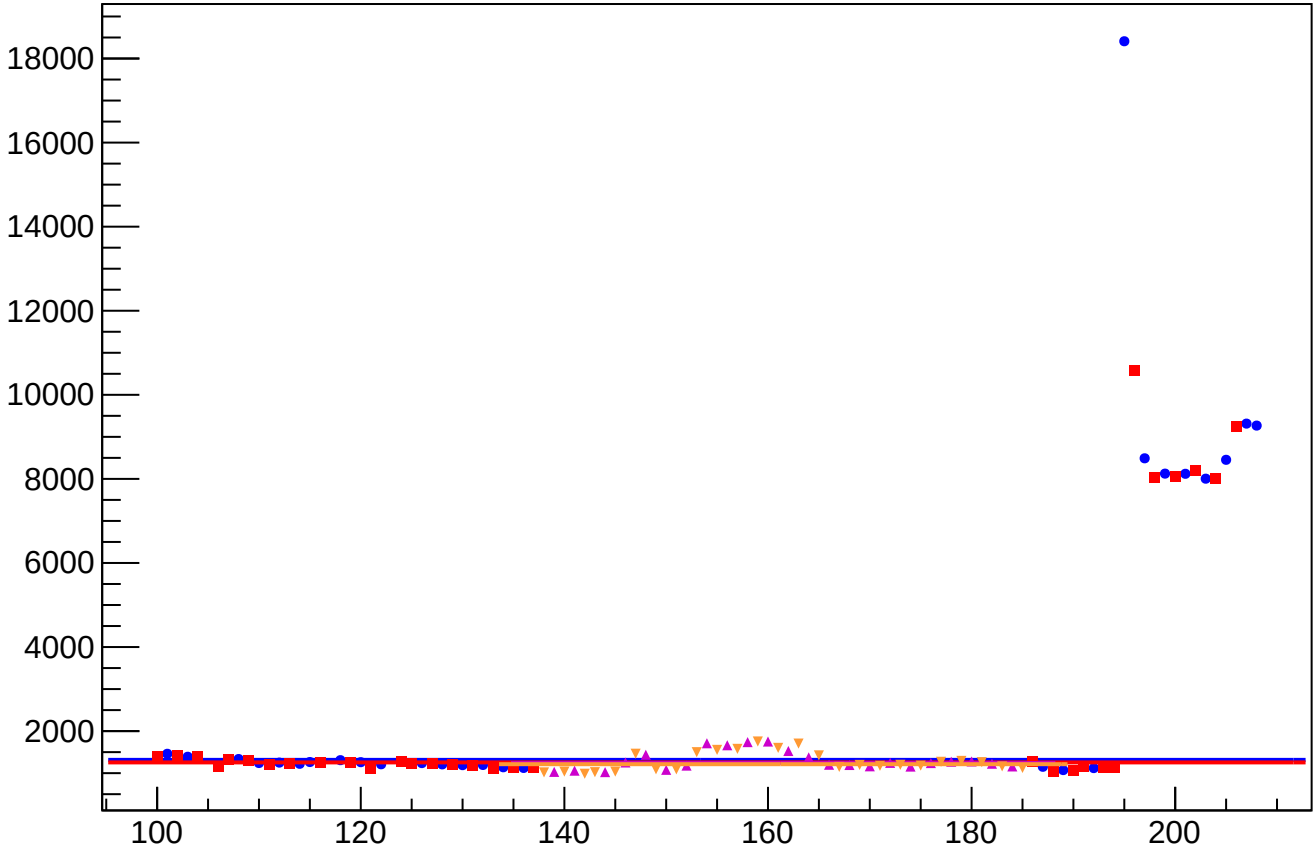
Right: -0.893+/-0.268 χ^2/NDF: 2347.0/57

In: -1.285+/-0.238 χ^2/NDF:735.2/49

Out: 2.199+/-0.221 χ^2/NDF:1630.8/55

All: 0.583+/-0.162 χ^2/NDF: 2481.1/105

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1315.945+/-0.285 χ^2/NDF: 10300412.6/26

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1255.639+/-0.254 χ^2/NDF: 7765716.1/30

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

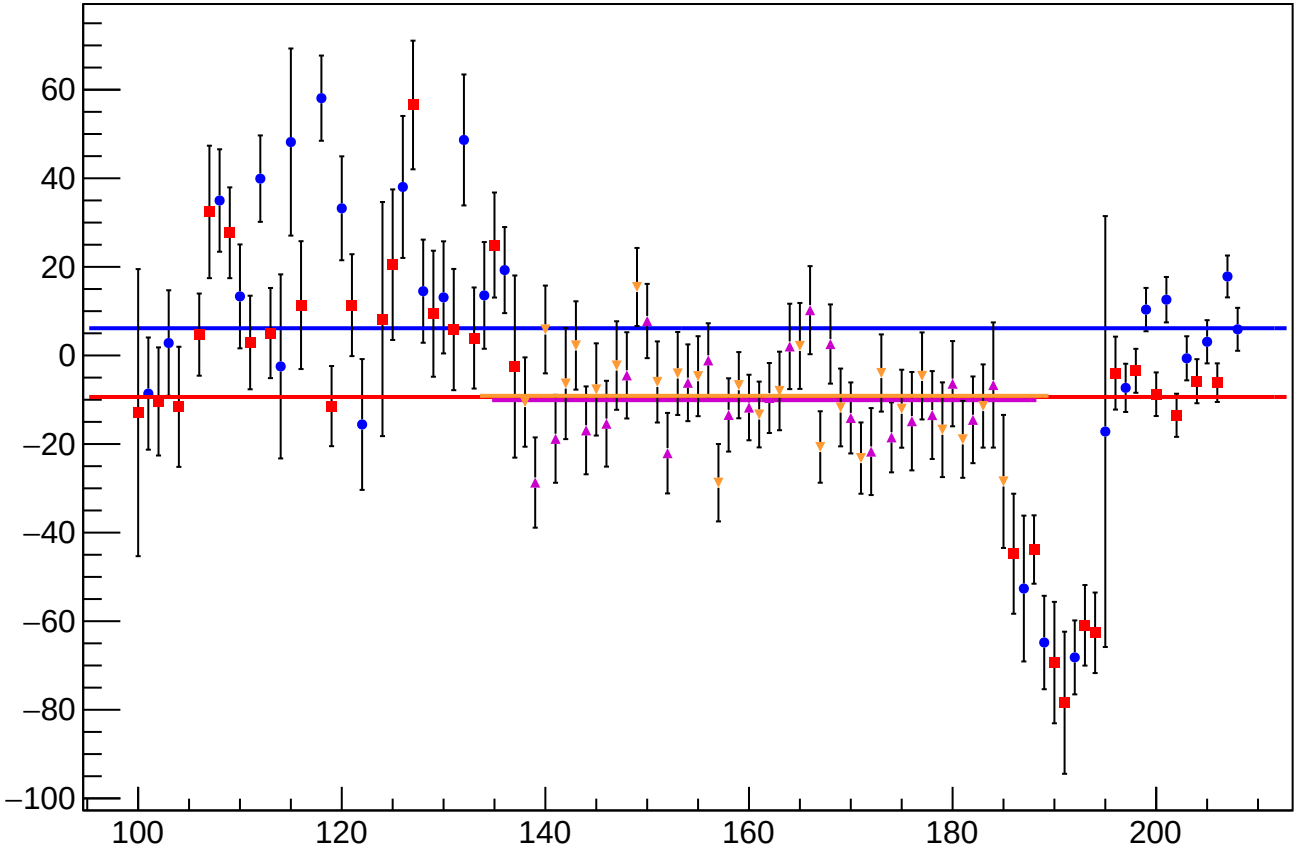
Right: 1282.317+/-0.190 χ^2/NDF: 18091027.8/57

In: 1265.821+/-0.168 χ^2/NDF:11233255.6/49

Out: 1229.301+/-0.156 χ^2/NDF:8795751.7/55

All: 1246.240+/-0.115 χ^2/NDF: 20054302.8/

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 6.148+/-1.551 χ^2/NDF: 230.3/26

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -9.377+/-1.569 χ^2/NDF: 203.4/30

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

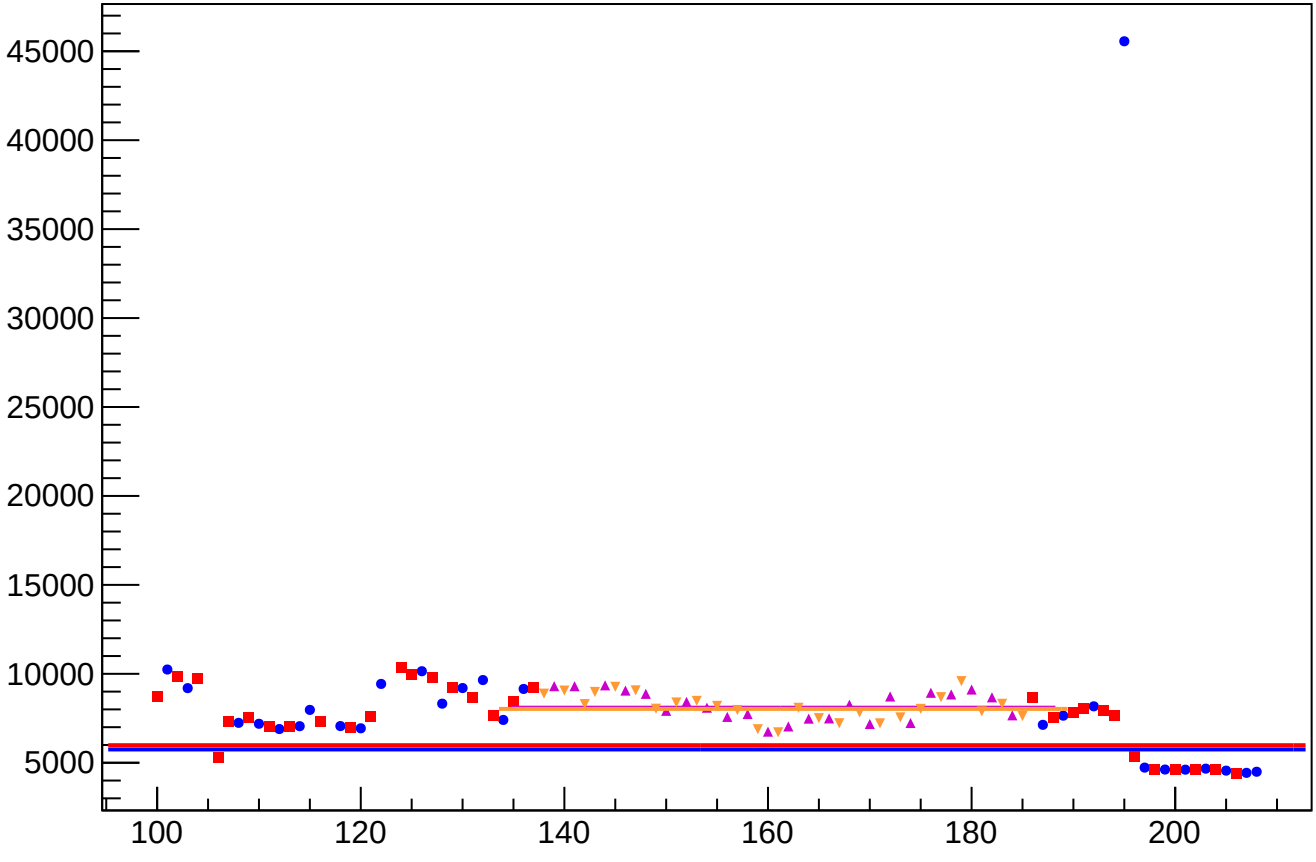
Right: -1.525+/-1.103 χ^2/NDF: 483.2/57

In: -0.299+/-1.204 χ^2/NDF:298.2/49

Out: -9.267+/-1.194 χ^2/NDF:232.2/55

All: -4.819+/-0.848 χ^2/NDF: 558.3/105

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5748.280+/-1.096 χ^2/NDF: 3906044.2/26

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5987.285+/-1.109 χ^2/NDF: 2519722.4/30

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

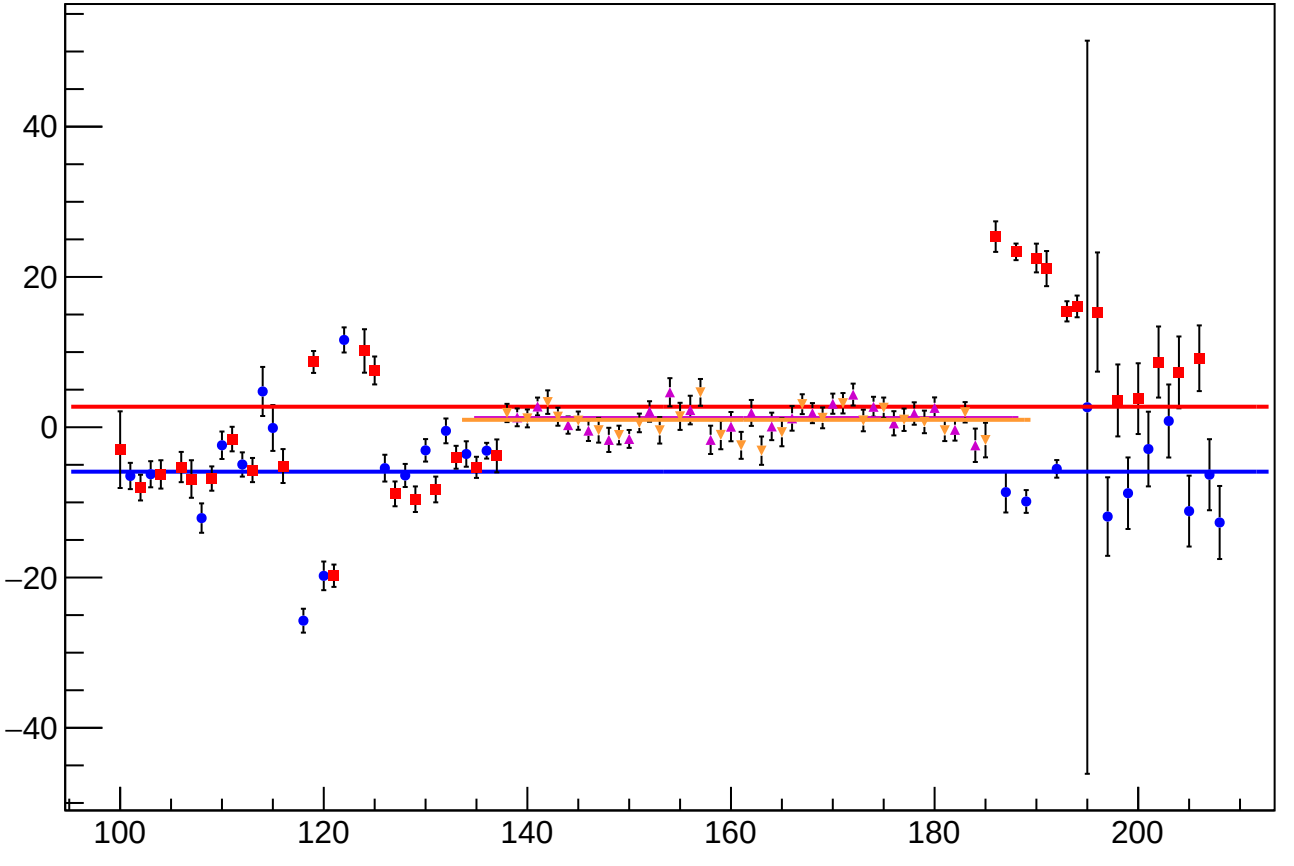
Right: 5866.402+/-0.780 χ^2/NDF: 6449252.6/57

In: 6679.872+/-0.851 χ^2/NDF:6092458.6/49

Out: 6844.841+/-0.845 χ^2/NDF:4274812.6/55

All: 6763.028+/-0.600 χ^2/NDF: 10386194.3/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.914+/-0.372 χ^2/NDF: 385.9/26

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.732+/-0.338 χ^2/NDF: 1463.5/30

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

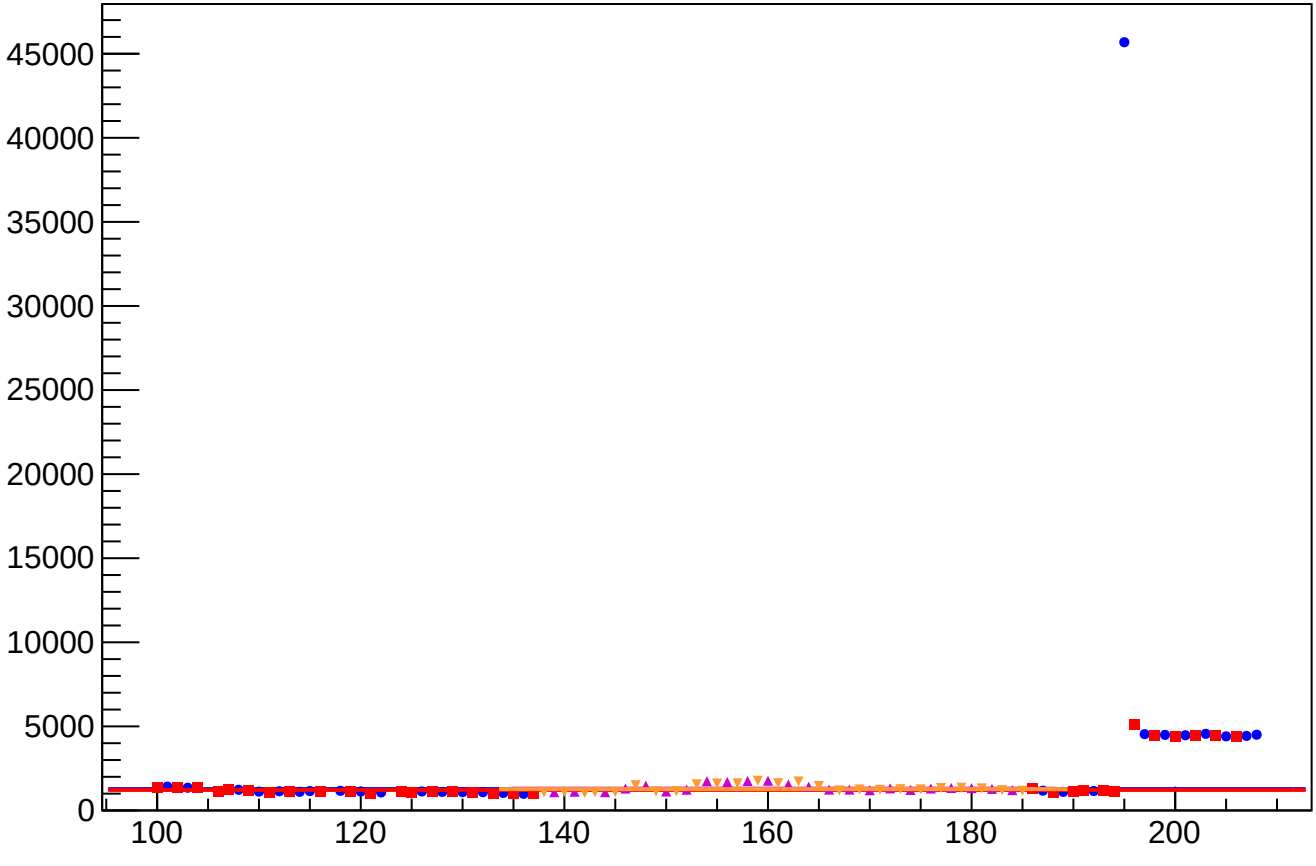
Right: -1.186+/-0.250 χ^2/NDF: 2145.3/57

In: -1.669+/-0.236 χ^2/NDF:638.2/49

Out: 1.734+/-0.221 χ^2/NDF:1509.7/55

All: 0.146+/-0.162 χ^2/NDF: 2258.4/105

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1269.141+/-0.263 χ^2/NDF: 8186194.6/26

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1221.534+/-0.239 χ^2/NDF: 5529426.7/30

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

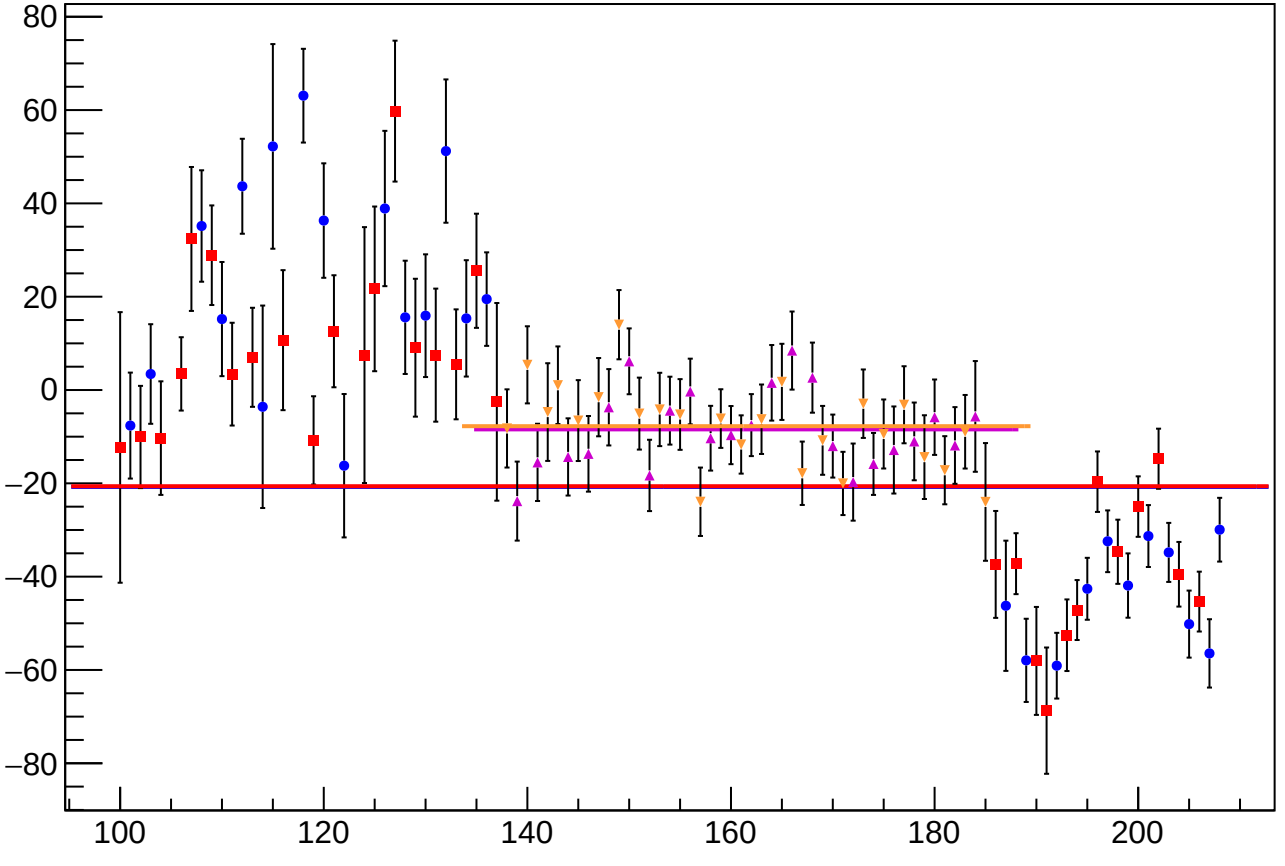
Right: 1243.107+/-0.177 χ^2/NDF: 13733571.8/57

In: 1283.978+/-0.167 χ^2/NDF:8949746.0/49

Out: 1247.792+/-0.156 χ^2/NDF:6428910.8/55

All: 1264.678+/-0.114 χ^2/NDF: 15403634.2/

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -20.769+/-1.787 χ^2/NDF: 379.7/26

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -20.621+/-1.708 χ^2/NDF: 225.8/30

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

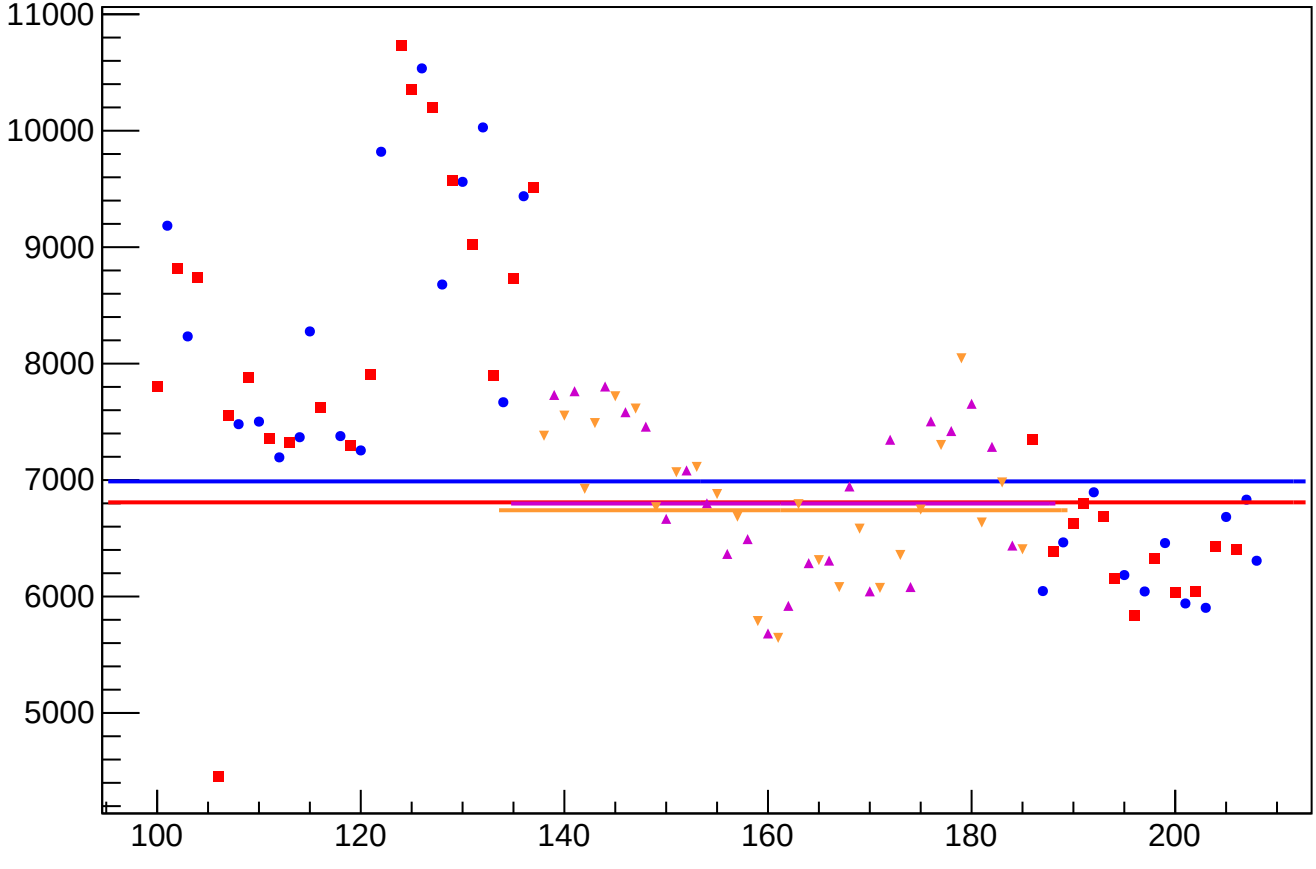
Right: -20.692+/-1.235 χ^2/NDF: 605.5/57

In: -13.944+/-1.194 χ^2/NDF:430.9/49

Out: -13.551+/-1.146 χ^2/NDF:287.5/55

All: -13.739+/-0.827 χ^2/NDF: 718.4/105

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 6988.660+/-1.263 χ^2/NDF: 830409.7/26

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6808.615+/-1.208 χ^2/NDF: 961209.9/30

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

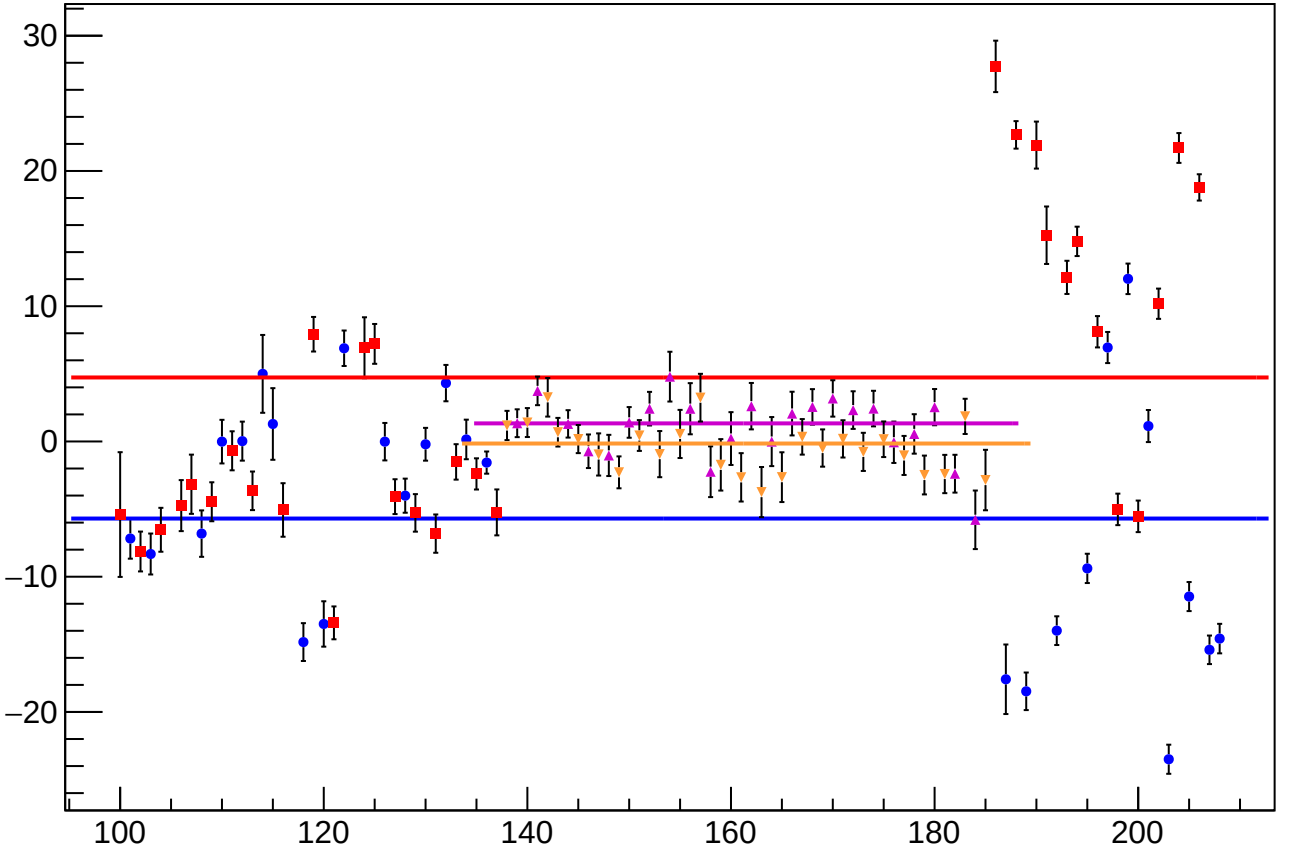
Right: 6894.583+/-0.873 χ^2/NDF: 1802232.5/57

In: 6883.419+/-0.844 χ^2/NDF:1196225.2/49

Out: 6771.374+/-0.811 χ^2/NDF:1279648.2/55

All: 6825.128+/-0.585 χ^2/NDF: 2485038.8/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -5.699+/-0.248 χ^2/NDF: 1378.5/26

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 4.732+/-0.246 χ^2/NDF: 2102.8/30

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

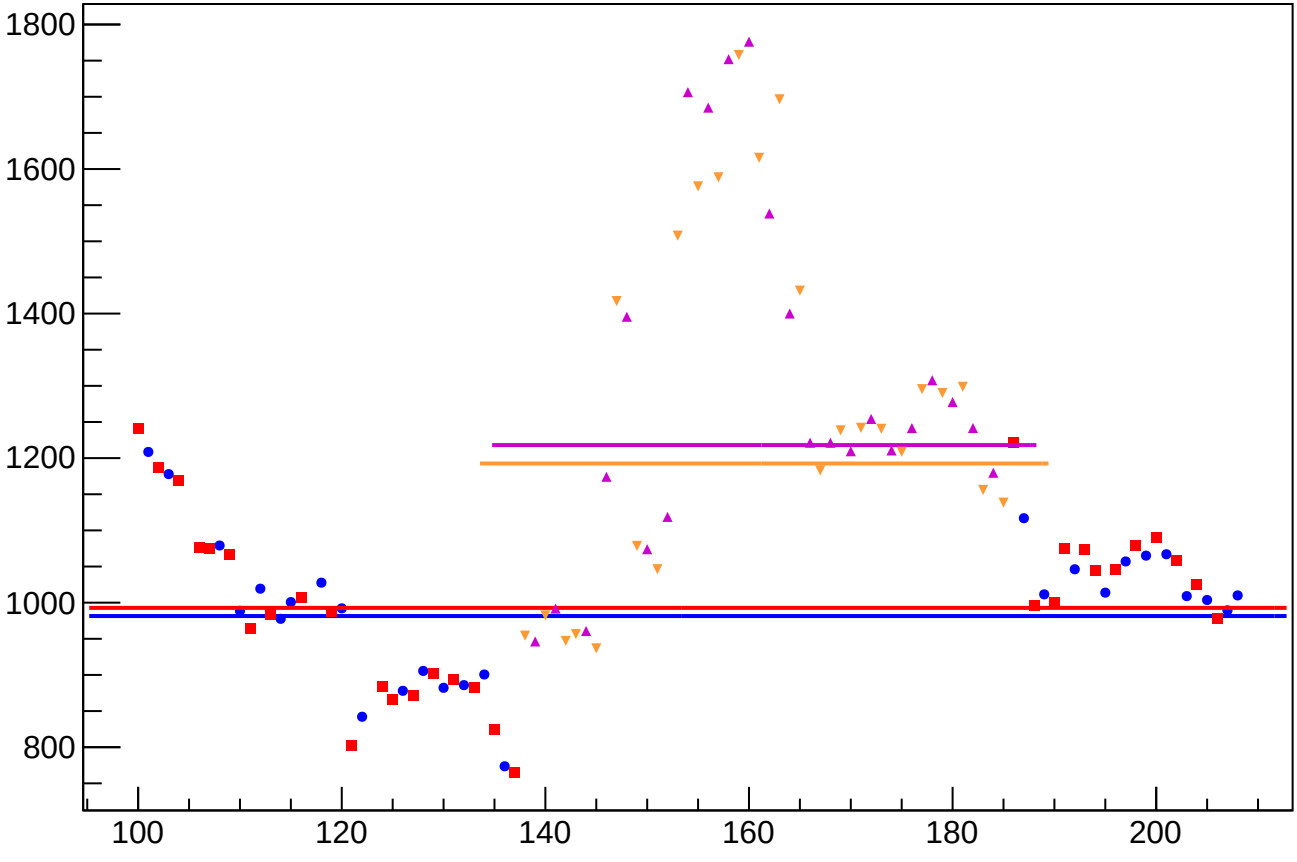
Right: -0.441+/-0.175 χ^2/NDF: 4373.7/57

In: -2.730+/-0.188 χ^2/NDF:1762.4/49

Out: 2.577+/-0.184 χ^2/NDF:2312.9/55

All: -0.010+/-0.132 χ^2/NDF: 4481.7/105

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 981.488+/-0.175 χ^2/NDF: 338940.9/26

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.801+/-0.174 χ^2/NDF: 358783.7/30

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

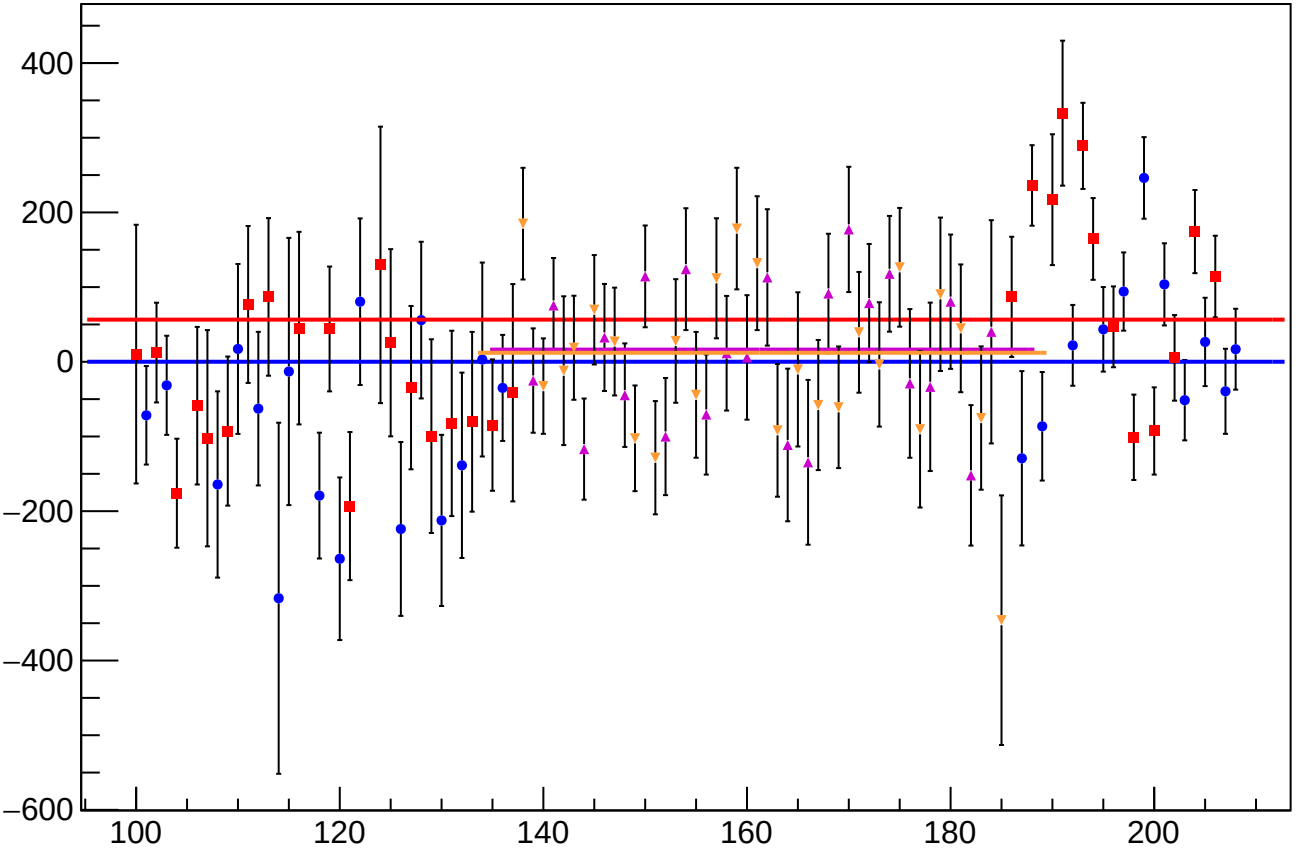
Right: 987.191+/-0.123 χ^2/NDF: 699824.3/57

In: 1081.308+/-0.133 χ^2/NDF:2235358.0/49

Out: 1080.949+/-0.130 χ^2/NDF:2261504.1/55

All: 1081.124+/-0.093 χ^2/NDF: 4496865.9/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 0.068+/-14.376 χ^2/NDF: 57.3/26

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 56.462+/-14.160 χ^2/NDF: 93.1/30

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

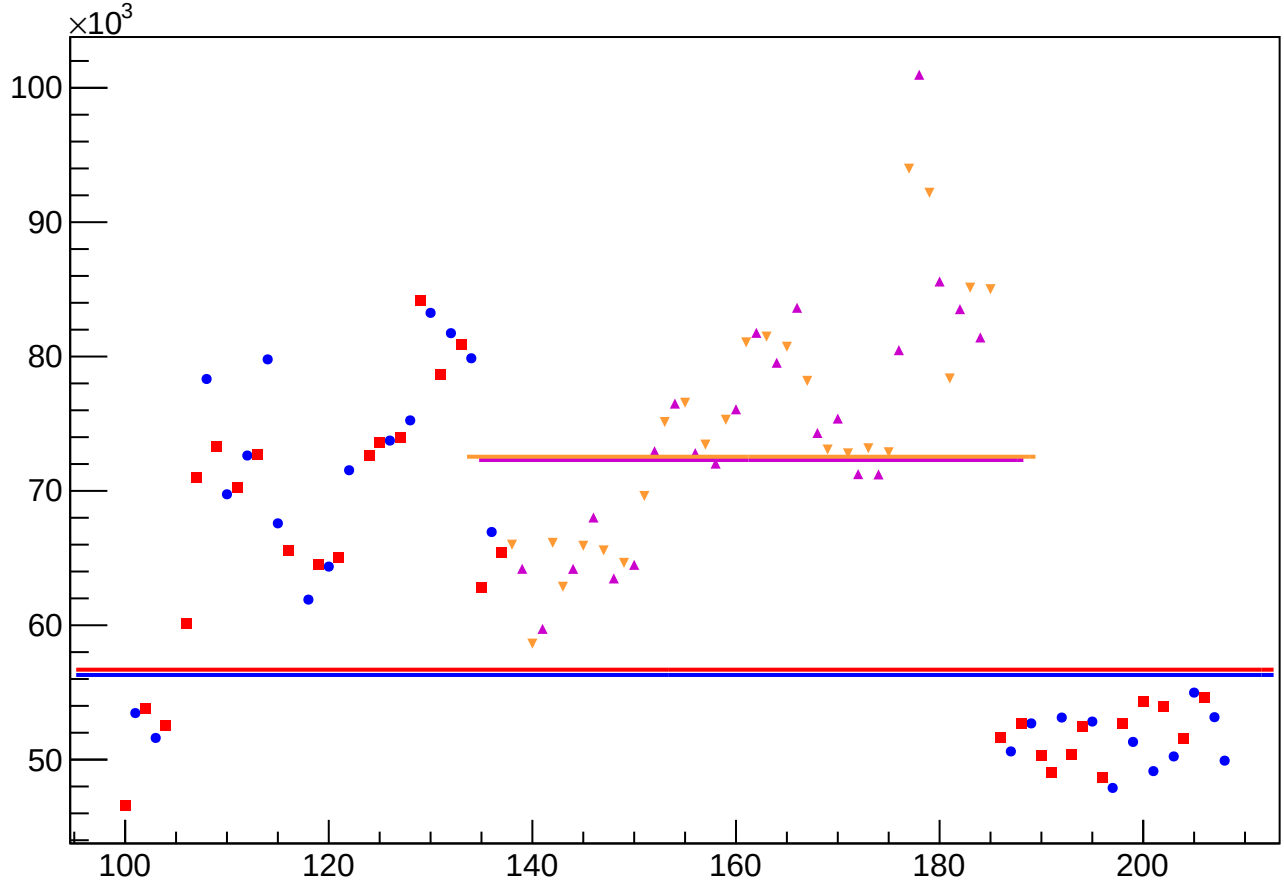
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 28.692+/-10.088 χ^2/NDF: 158.3/57

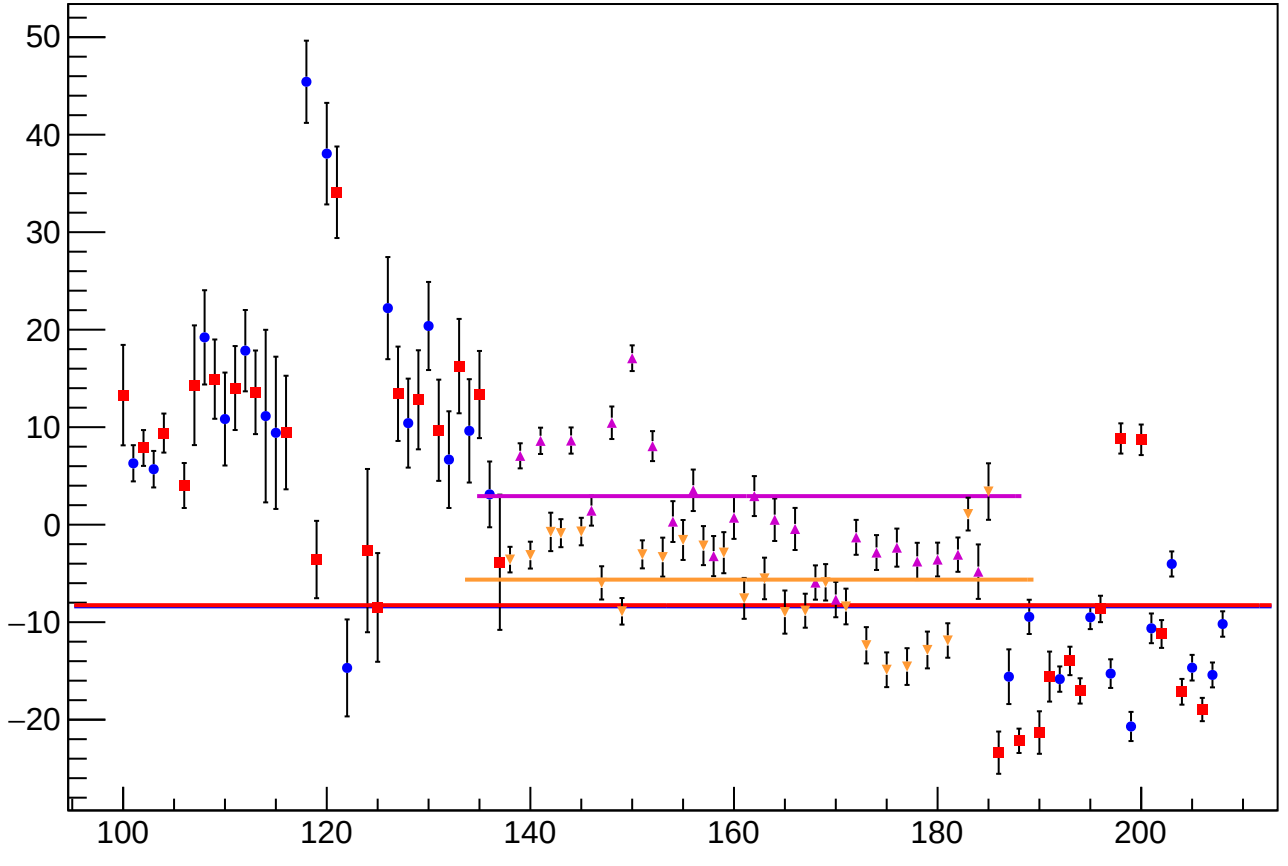
In: 6.844+/-10.982 χ^2/NDF:86.6/49

Out: 37.781+/-10.775 χ^2/NDF:130.1/55

All: 22.606+/-7.691 χ^2/NDF: 220.7/105


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 56300.910+/-10.165 χ²/NDF: 841613.3/26
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 56693.615+/-10.012 χ²/NDF: 725283.4/30
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 56500.240+/-7.133 χ²/NDF: 1567654.2/57
In: 62963.932+/-7.765 χ²/NDF:2362032.8/49
Out: 63365.673+/-7.619 χ²/NDF:2280287.9/55
All: 63168.623+/-5.439 χ²/NDF: 4643684.4/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.378+/-0.388 χ^2/NDF: 784.7/26

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -8.257+/-0.384 χ^2/NDF: 1137.3/30

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

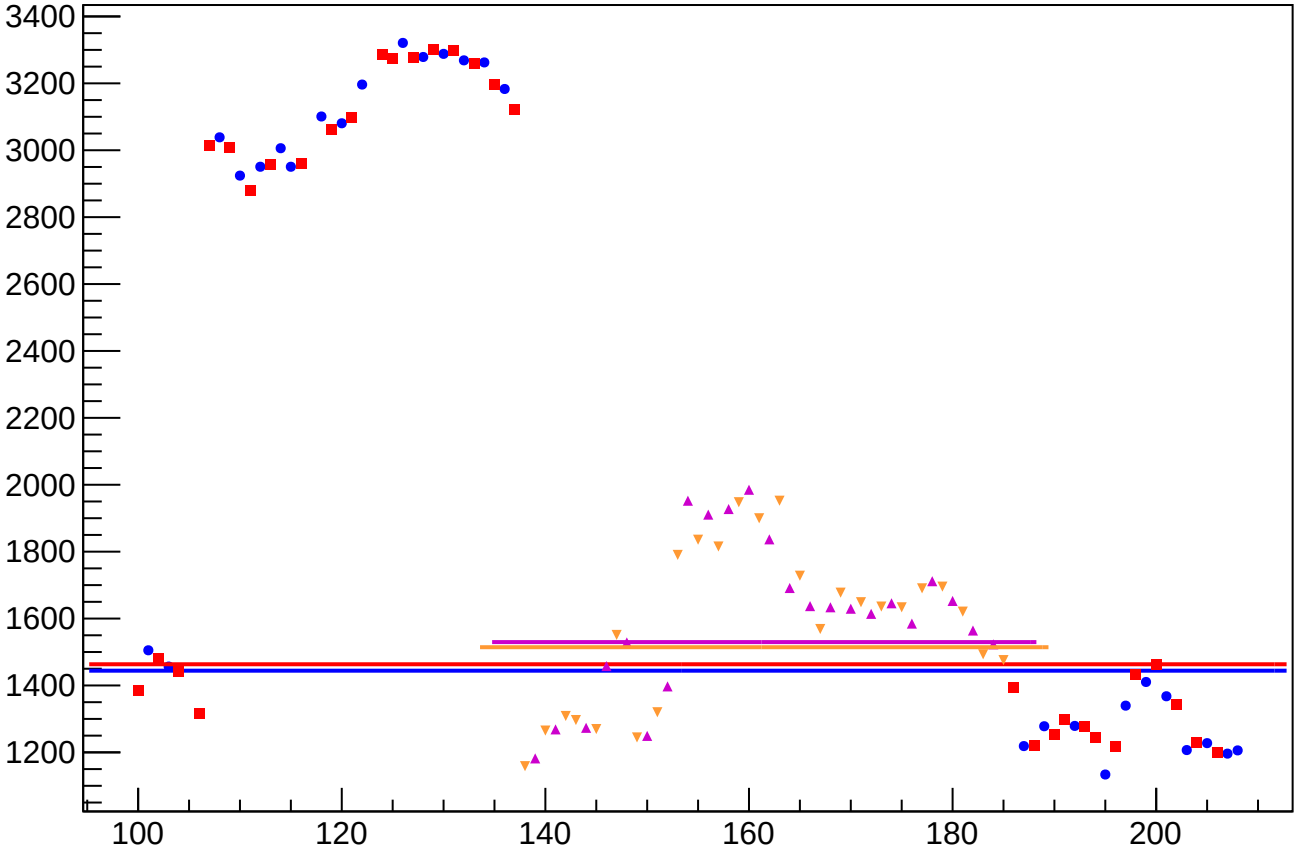
Right: -8.317+/-0.273 χ^2/NDF: 1922.1/57

In: -2.332+/-0.265 χ^2/NDF:1575.3/49

Out: -6.823+/-0.258 χ^2/NDF:1341.1/55

All: -4.636+/-0.185 χ^2/NDF: 3063.8/105

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1444.177+/-0.275 χ^2/NDF: 3990953.0/26

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1463.371+/-0.271 χ^2/NDF: 3807383.9/30

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

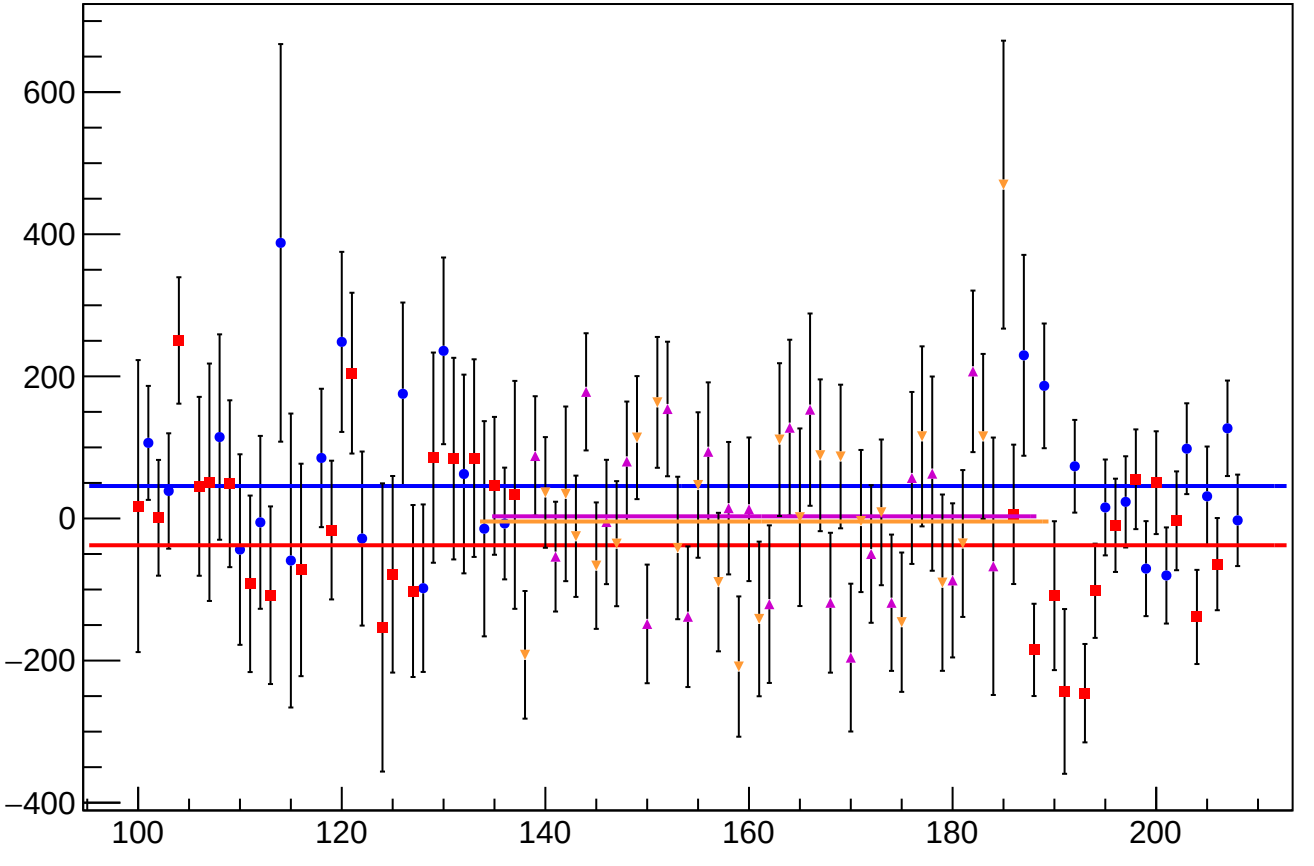
Right: 1453.895+/-0.193 χ^2/NDF: 7800809.8/57

In: 1489.874+/-0.187 χ^2/NDF:4871214.1/49

Out: 1491.248+/-0.183 χ^2/NDF:4760031.5/55

All: 1490.579+/-0.131 χ^2/NDF: 9631273.1/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 45.661+/-17.082 χ^2/NDF: 25.5/26

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -37.703+/-16.886 χ^2/NDF: 46.2/30

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

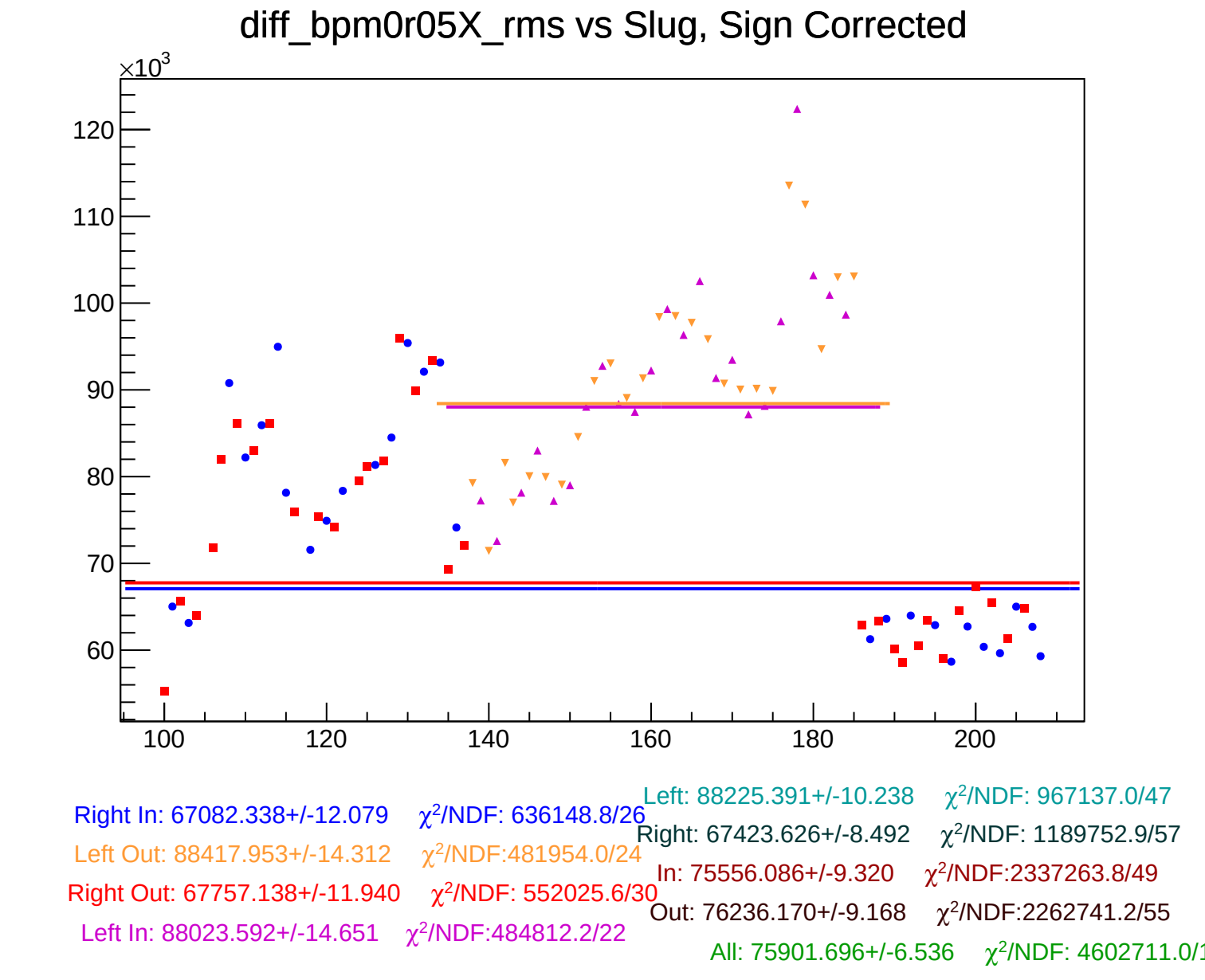
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 3.499+/-12.009 χ^2/NDF: 83.7/57

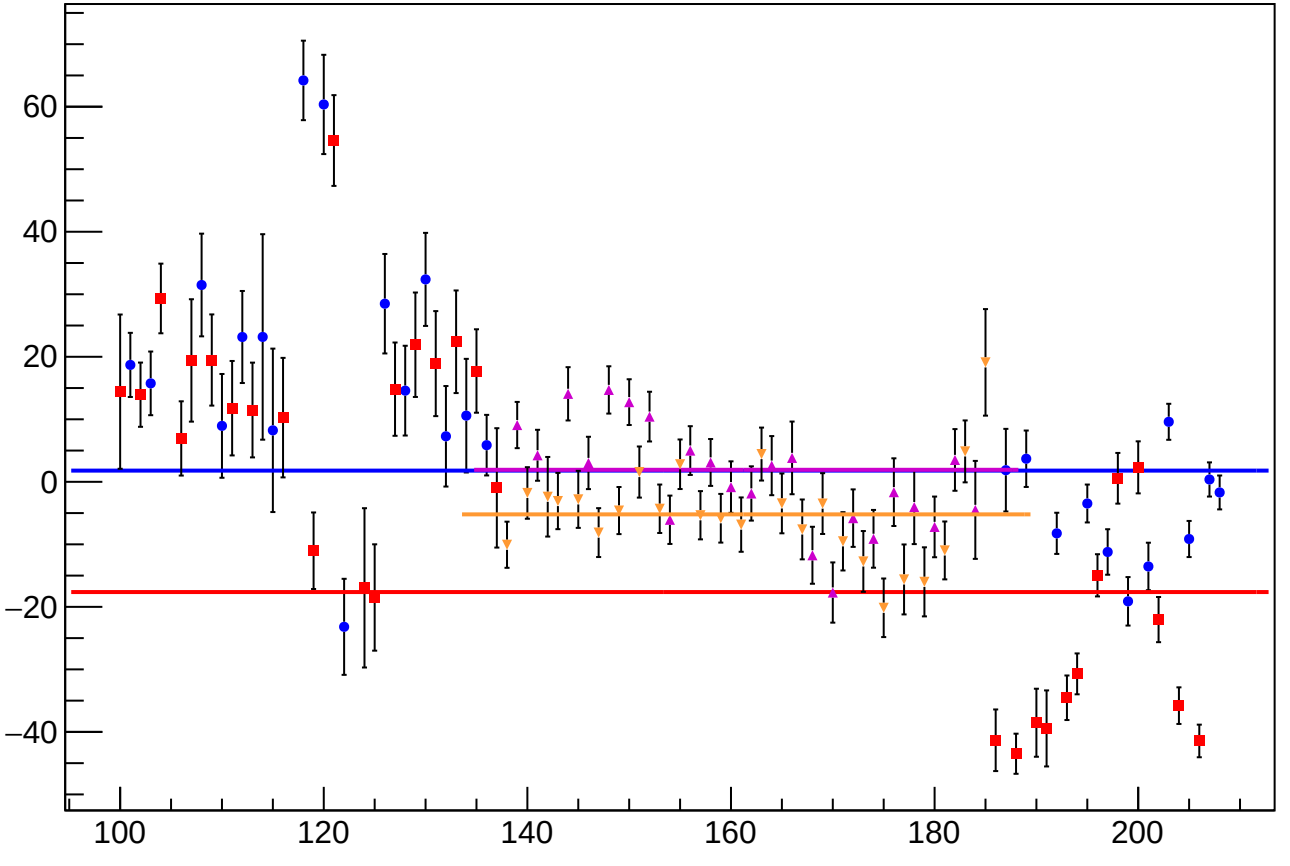
In: 28.405+/-13.180 χ^2/NDF:58.7/49

Out: -23.984+/-12.966 χ^2/NDF:78.2/55

All: 1.782+/-9.243 χ^2/NDF: 145.0/105


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 67082.338+/-12.079 χ²/NDF: 636148.8/26
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67757.138+/-11.940 χ²/NDF: 552025.6/30
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 67423.626+/-8.492 χ²/NDF: 1189752.9/57
In: 75556.086+/-9.320 χ²/NDF:2337263.8/49
Out: 76236.170+/-9.168 χ²/NDF:2262741.2/55
All: 75901.696+/-6.536 χ²/NDF: 4602711.0/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.793+/-0.874 χ^2/NDF: 331.6/26

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -17.631+/-0.891 χ^2/NDF: 748.1/30

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

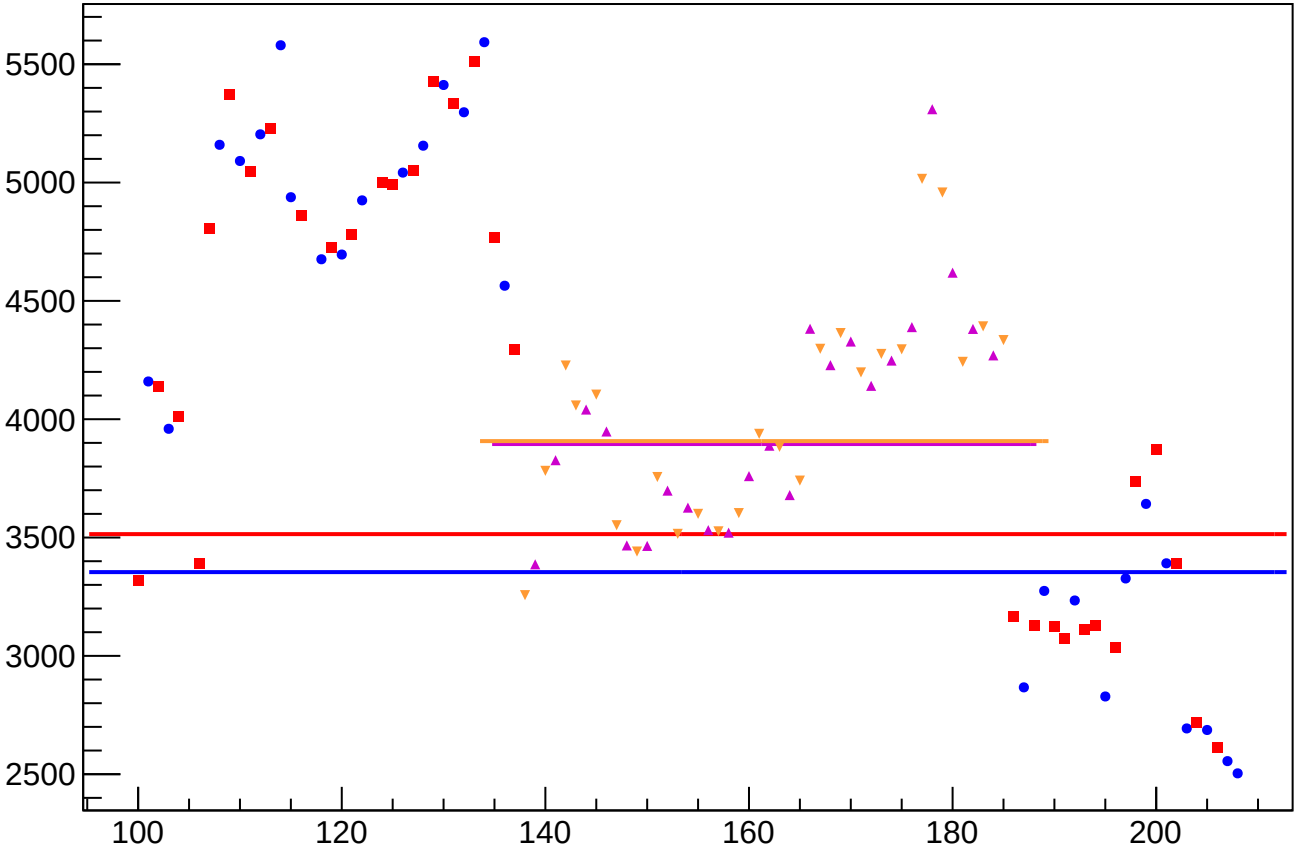
Right: -7.726+/-0.624 χ^2/NDF: 1321.9/57

In: 1.855+/-0.632 χ^2/NDF:414.8/49

Out: -11.436+/-0.631 χ^2/NDF:896.0/55

All: -4.803+/-0.447 χ^2/NDF: 1532.2/105

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3353.938+/-0.618 χ^2/NDF: 2078528.2/26

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3514.463+/-0.630 χ^2/NDF: 1711089.5/30

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

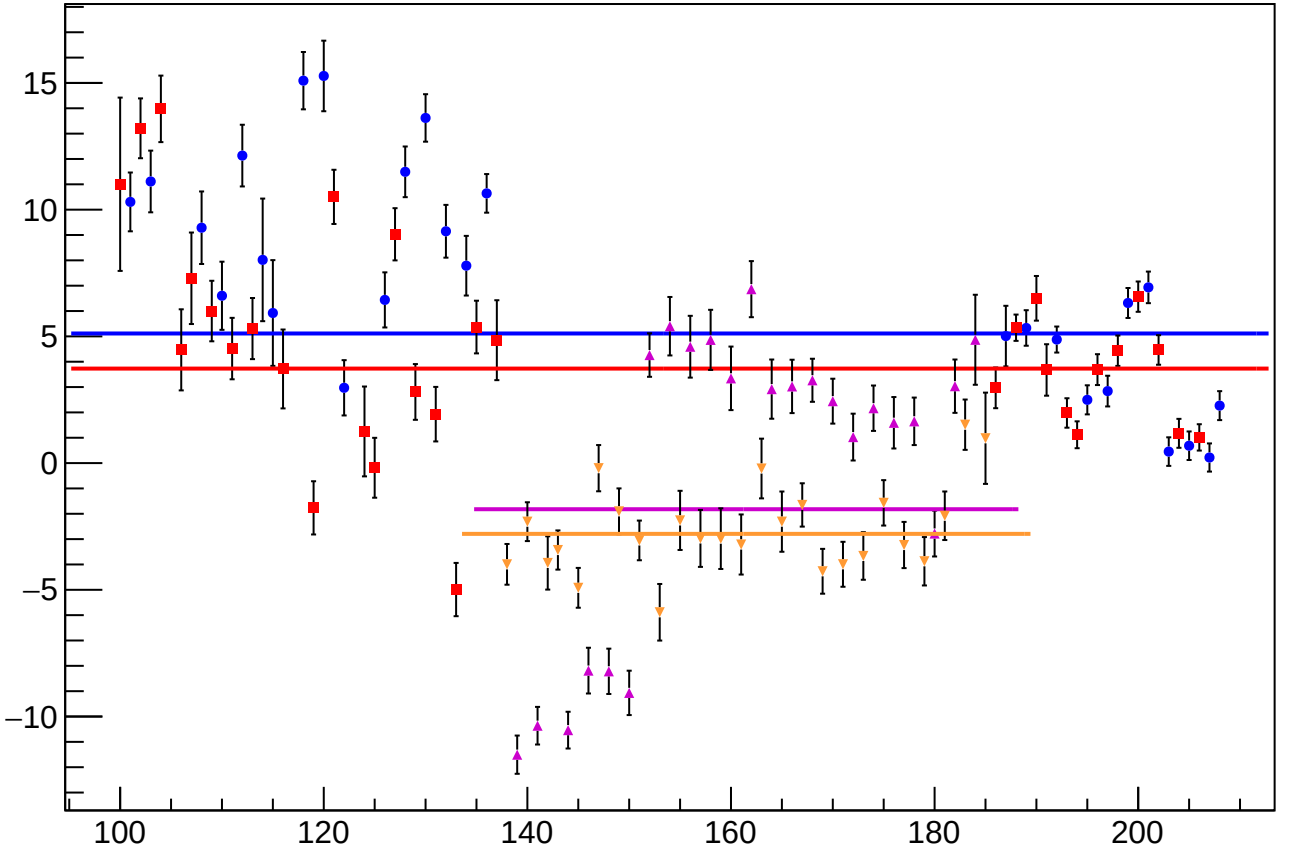
Right: 3432.607+/-0.441 χ^2/NDF: 3822693.6/57

In: 3611.703+/-0.447 χ^2/NDF:2853801.1/49

Out: 3710.418+/-0.446 χ^2/NDF:2346144.2/55

All: 3661.155+/-0.316 χ^2/NDF: 5224360.0/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 5.114+/-0.154 χ^2/NDF: 701.8/26

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.729+/-0.150 χ^2/NDF: 448.8/30

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

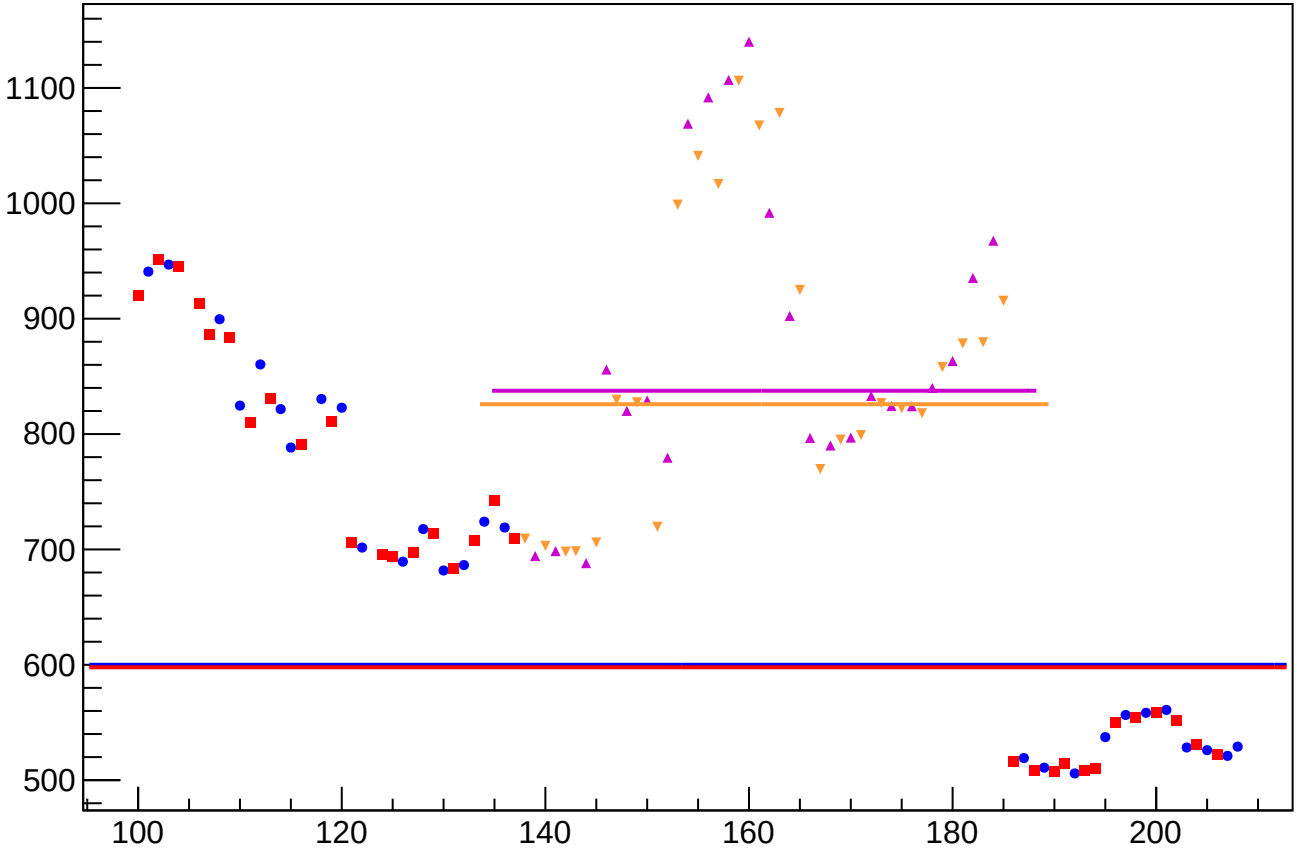
Right: 4.406+/-0.107 χ^2/NDF: 1192.1/57

In: 2.511+/-0.121 χ^2/NDF:2492.5/49

Out: 1.221+/-0.118 χ^2/NDF:1241.7/55

All: 1.847+/-0.085 χ^2/NDF: 3792.3/105

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 600.014+/-0.109 χ^2/NDF: 1194596.4/26

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 597.838+/-0.106 χ^2/NDF: 1324602.3/30

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

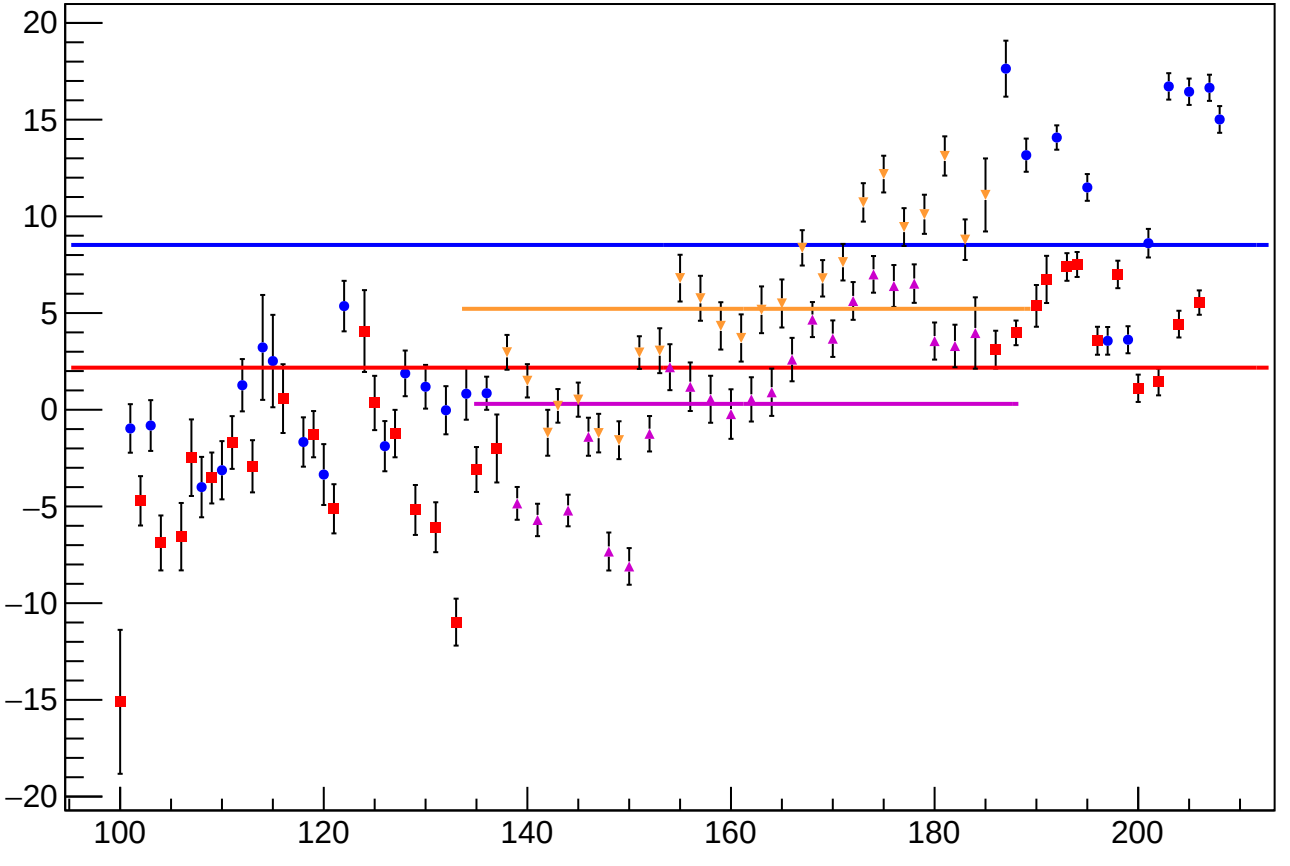
Right: 598.902+/-0.076 χ^2/NDF: 2519403.8/57

In: 689.209+/-0.086 χ^2/NDF:3703680.0/49

Out: 685.545+/-0.083 χ^2/NDF:3861364.9/55

All: 687.323+/-0.060 χ^2/NDF: 7565982.0/105

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 8.521+/-0.182 χ^2/NDF: 1469.4/26

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 2.177+/-0.178 χ^2/NDF: 678.0/30

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

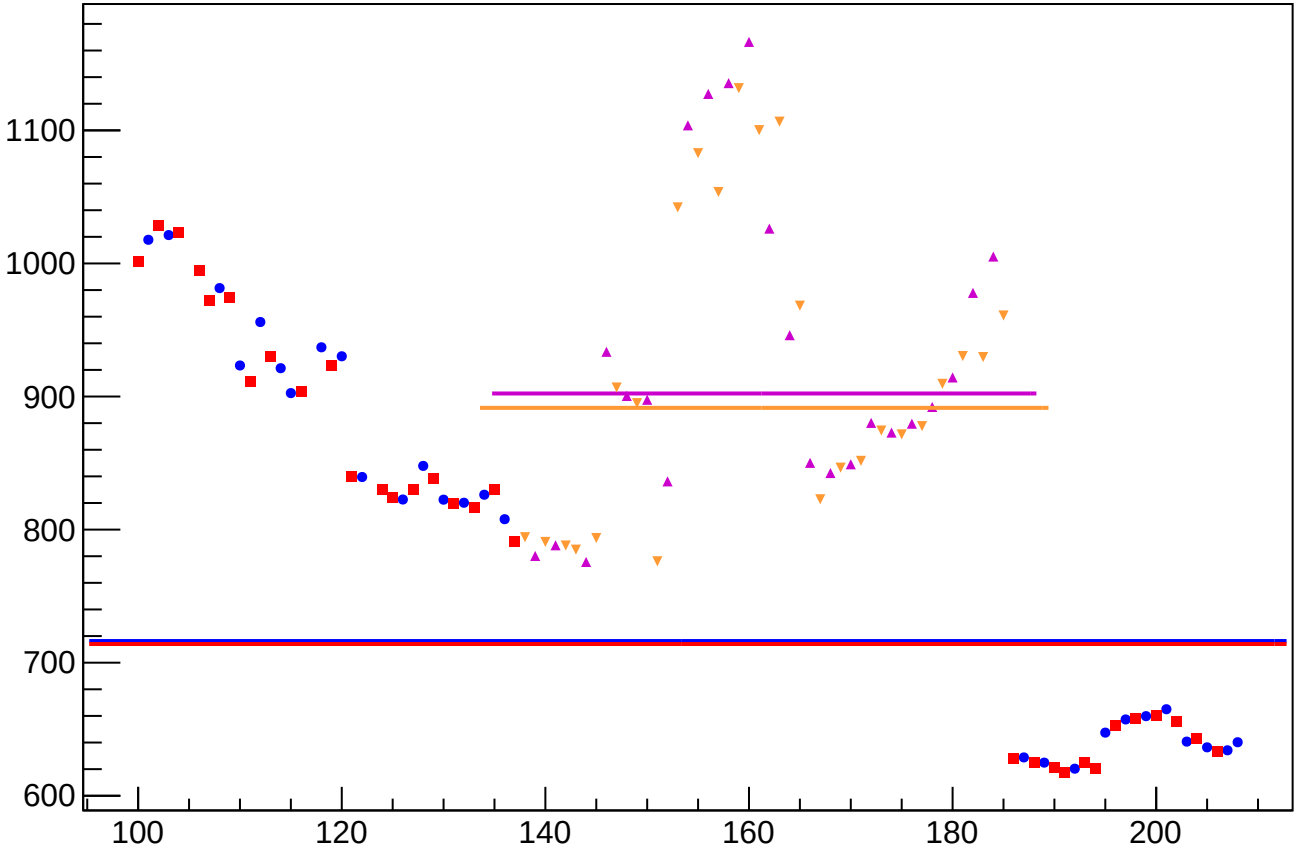
Right: 5.279+/-0.128 χ^2/NDF: 2765.5/57

In: 5.037+/-0.138 χ^2/NDF:2824.6/49

Out: 3.493+/-0.134 χ^2/NDF:1253.7/55

All: 4.242+/-0.096 χ^2/NDF: 4142.4/105

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 716.266+/-0.129 χ^2/NDF: 864262.6/26

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 714.035+/-0.126 χ^2/NDF: 957342.3/30

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

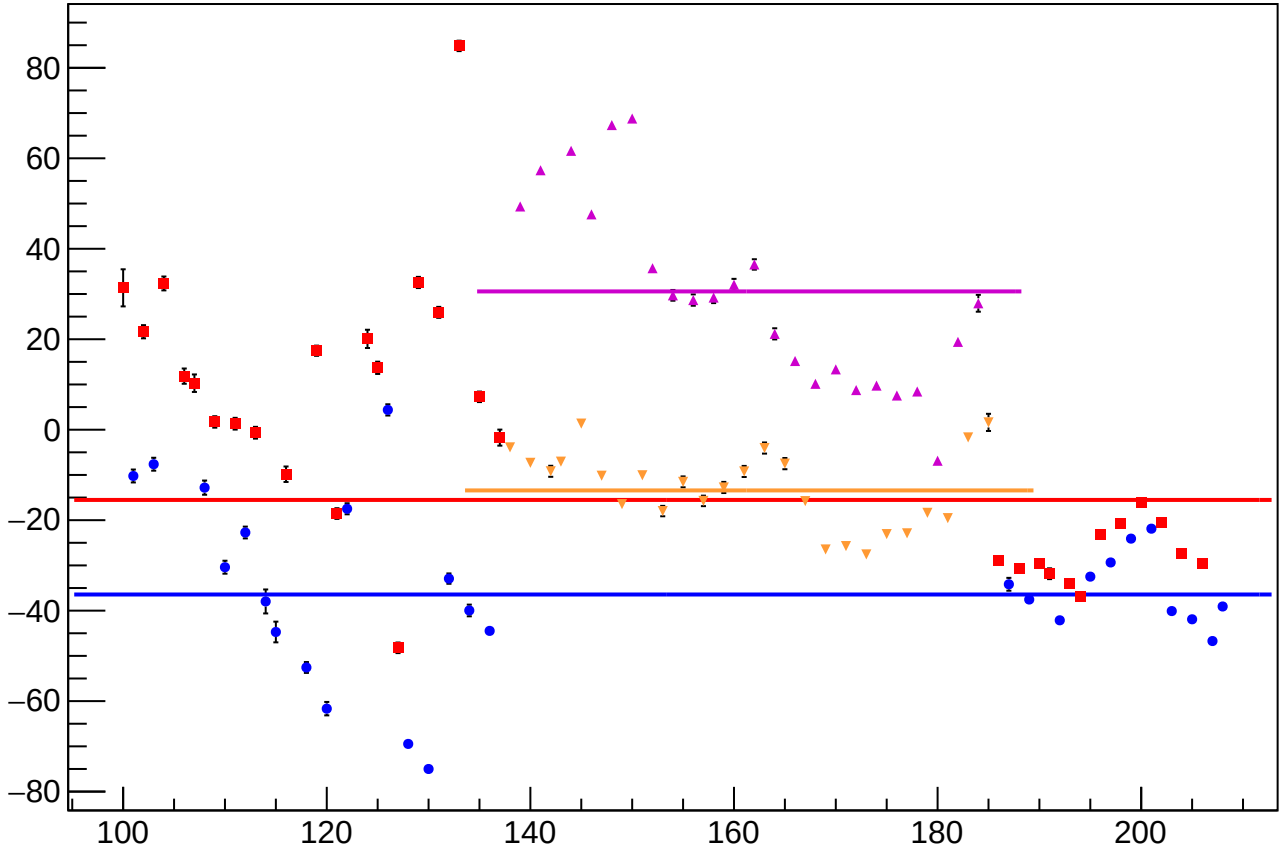
Right: 715.126+/-0.090 χ^2/NDF: 1821757.7/57

In: 795.144+/-0.098 χ^2/NDF:2230690.0/49

Out: 790.808+/-0.095 χ^2/NDF:2330687.8/55

All: 792.912+/-0.068 χ^2/NDF: 4562387.2/105

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -36.430+/-0.179 χ^2/NDF: 6467.7/26

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -15.525+/-0.175 χ^2/NDF: 19843.4/30

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

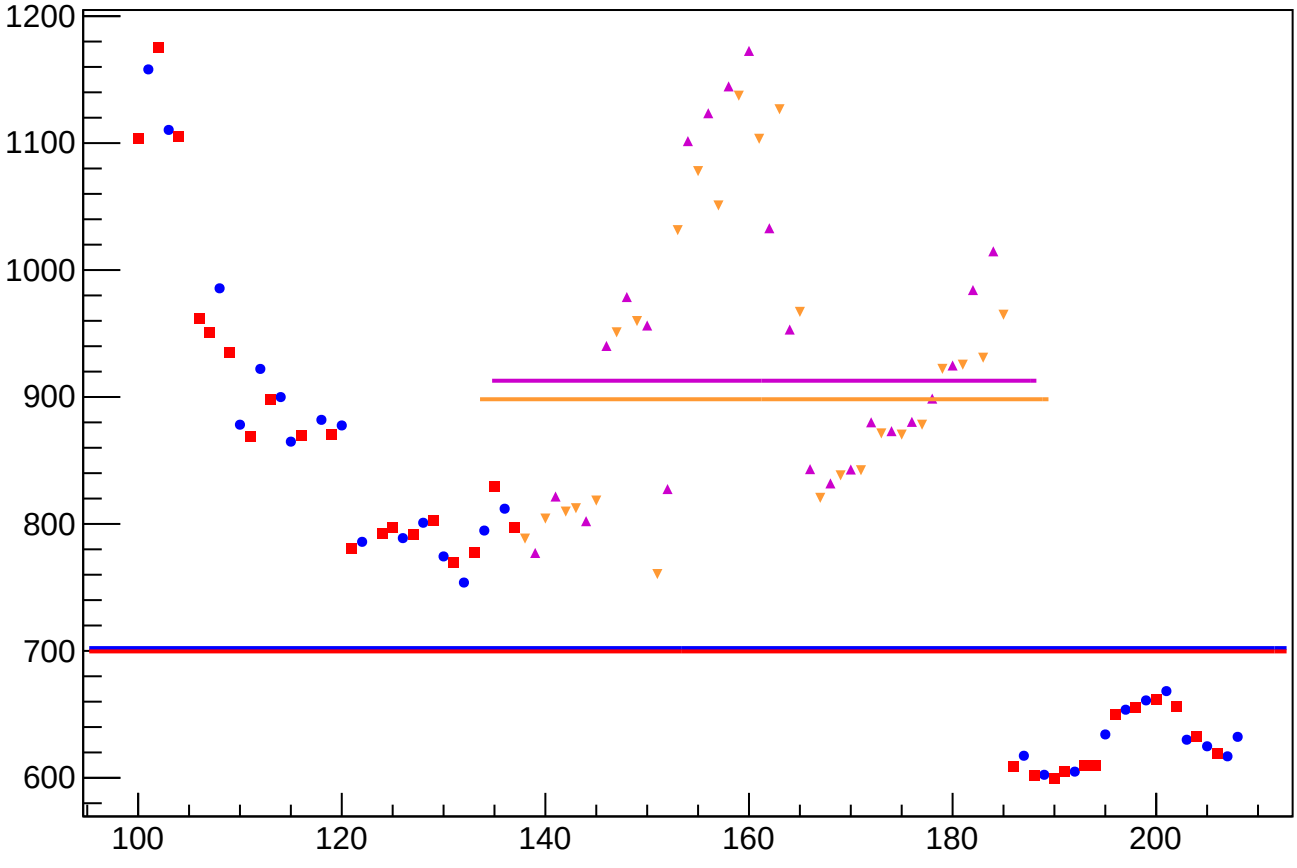
Right: -25.738+/-0.125 χ^2/NDF: 33282.5/57

In: -9.017+/-0.138 χ^2/NDF:74142.7/49

Out: -14.643+/-0.133 χ^2/NDF:21567.3/55

All: -11.918+/-0.096 χ^2/NDF: 96571.8/105

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 702.204+/-0.127 χ^2/NDF: 936026.9/26

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 699.592+/-0.124 χ^2/NDF: 1025394.6/30

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

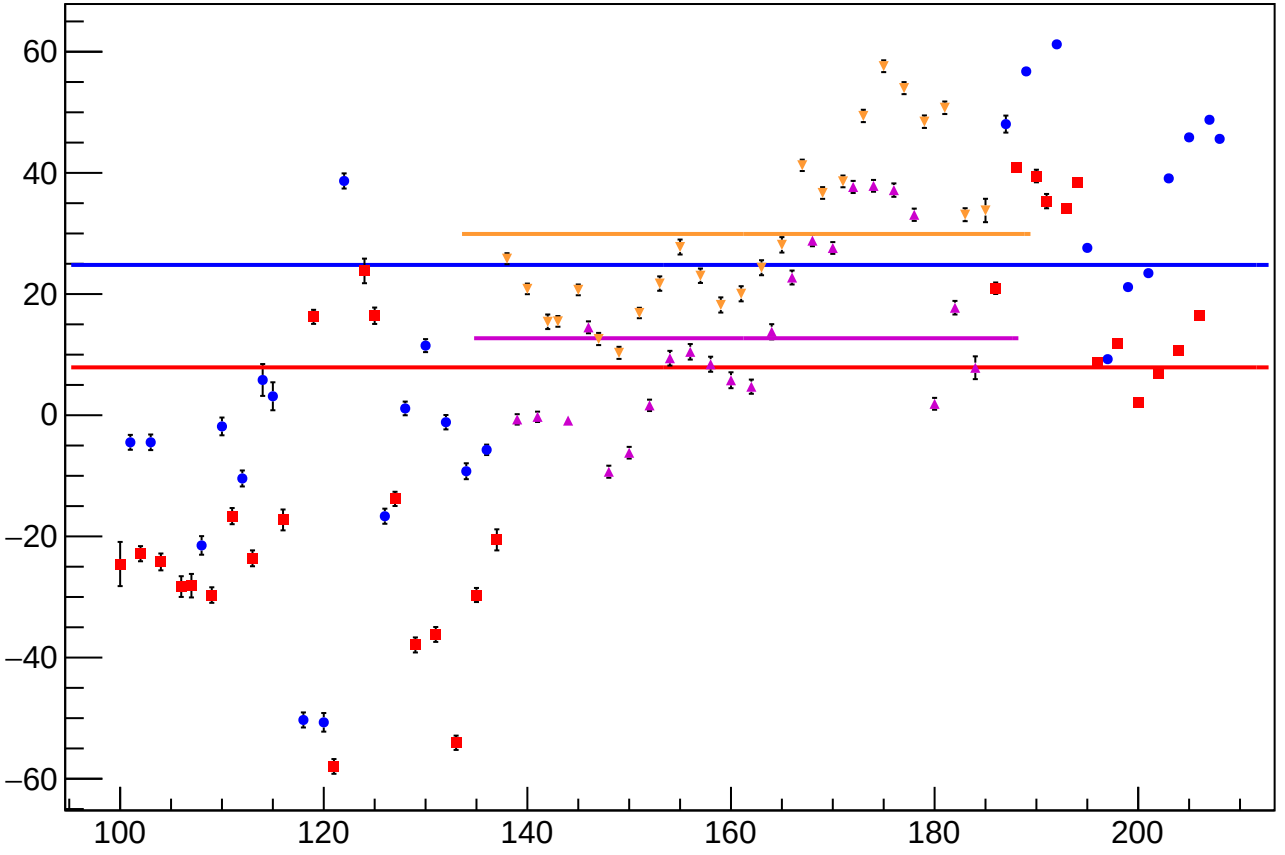
Right: 700.869+/-0.088 χ^2/NDF: 1961639.2/57

In: 788.376+/-0.097 χ^2/NDF:2548182.1/49

Out: 782.876+/-0.094 χ^2/NDF:2624124.1/55

All: 785.539+/-0.068 χ^2/NDF: 5173952.8/105

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 24.809+/-0.177 χ^2/NDF: 23157.1/26

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.901+/-0.173 χ^2/NDF: 22845.3/30

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

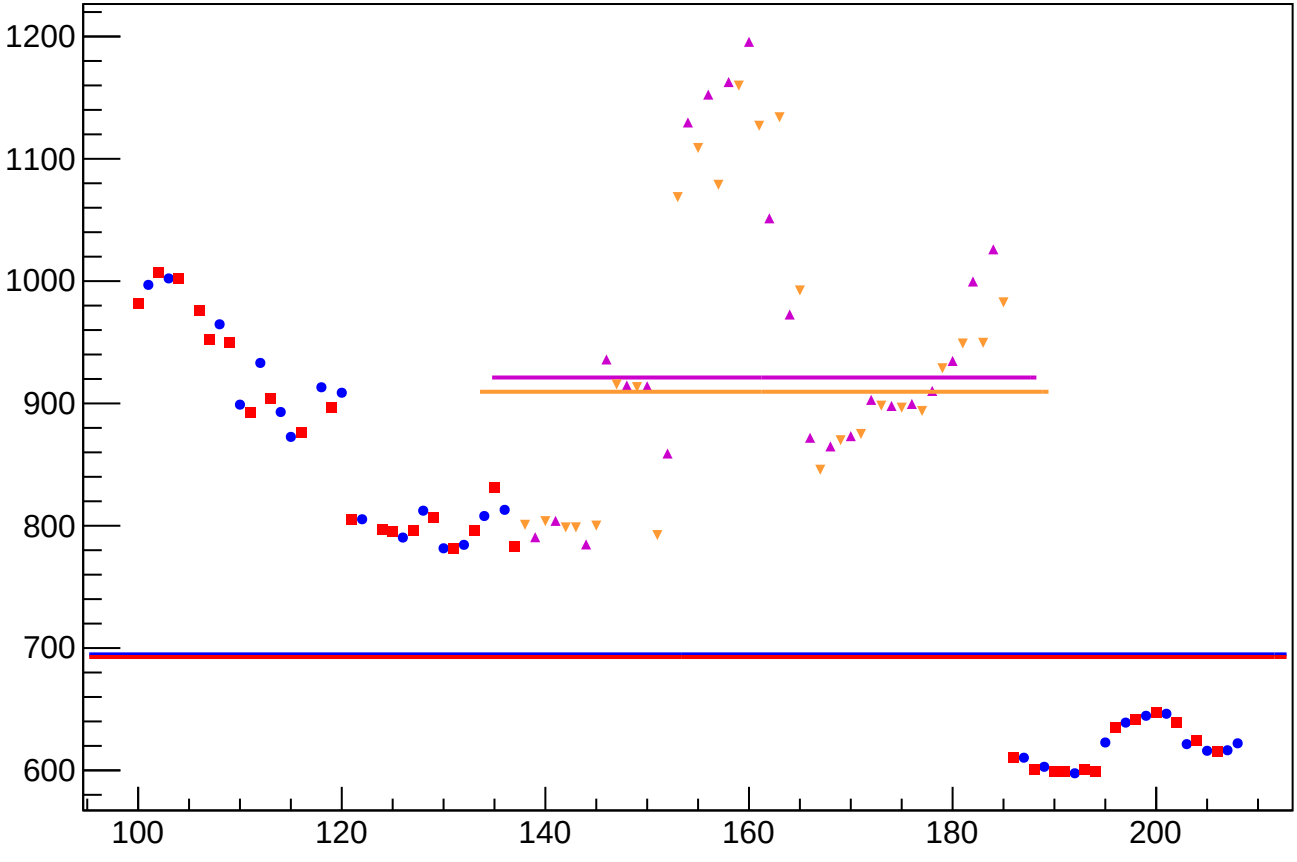
Right: 16.167+/-0.124 χ^2/NDF: 50663.9/57

In: 19.976+/-0.137 χ^2/NDF:29813.9/49

Out: 16.886+/-0.133 χ^2/NDF:34025.2/55

All: 18.386+/-0.096 χ^2/NDF: 64100.2/105

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 694.821+/-0.125 χ^2/NDF: 894563.8/26

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 692.687+/-0.122 χ^2/NDF: 984520.3/30

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

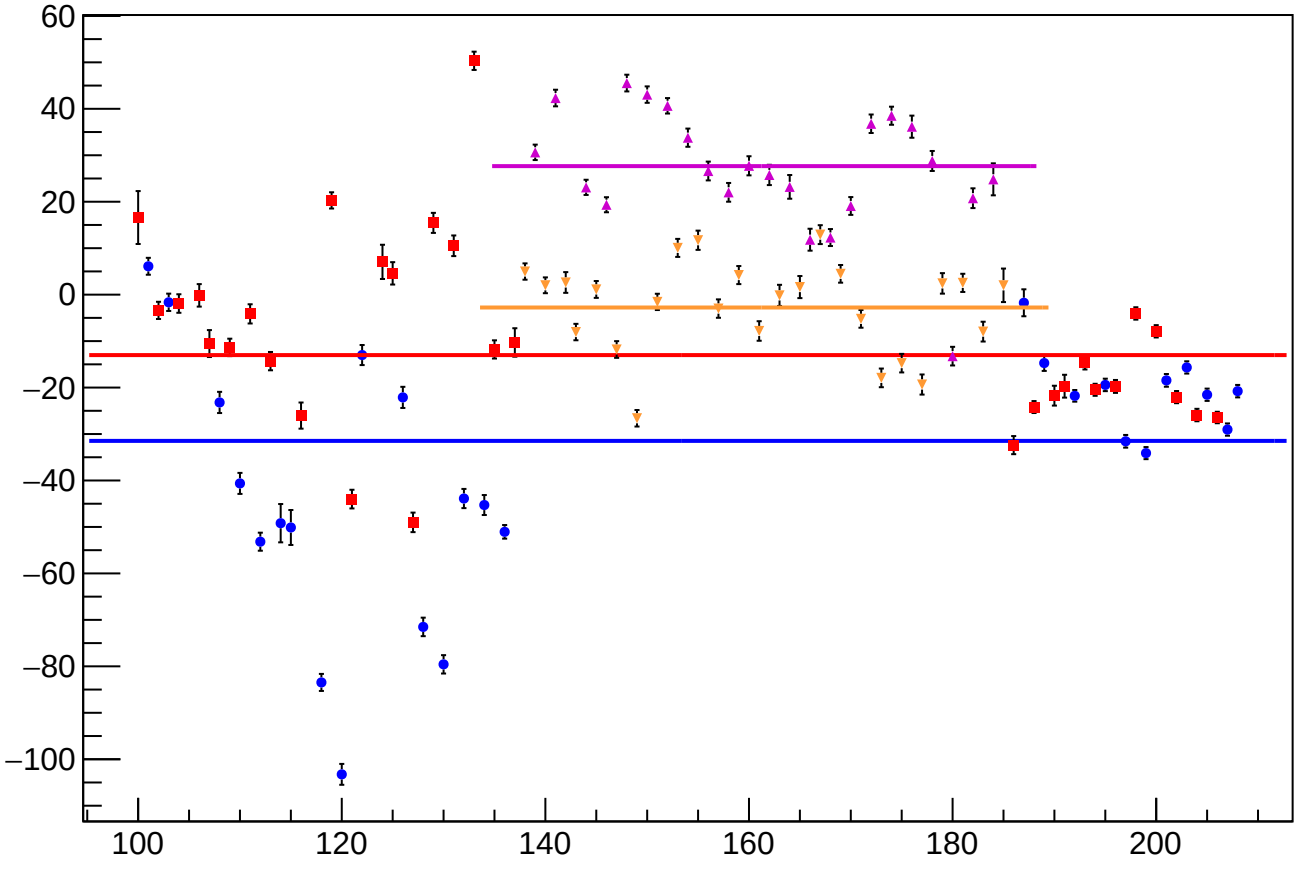
Right: 693.730+/-0.088 χ^2/NDF: 1879232.5/57

In: 785.226+/-0.097 χ^2/NDF:2697723.8/49

Out: 781.178+/-0.094 χ^2/NDF:2806334.5/55

All: 783.142+/-0.068 χ^2/NDF: 5504954.5/105

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -31.476+/-0.328 χ^2/NDF: 4749.6/26

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -13.010+/-0.322 χ^2/NDF: 3032.7/30

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

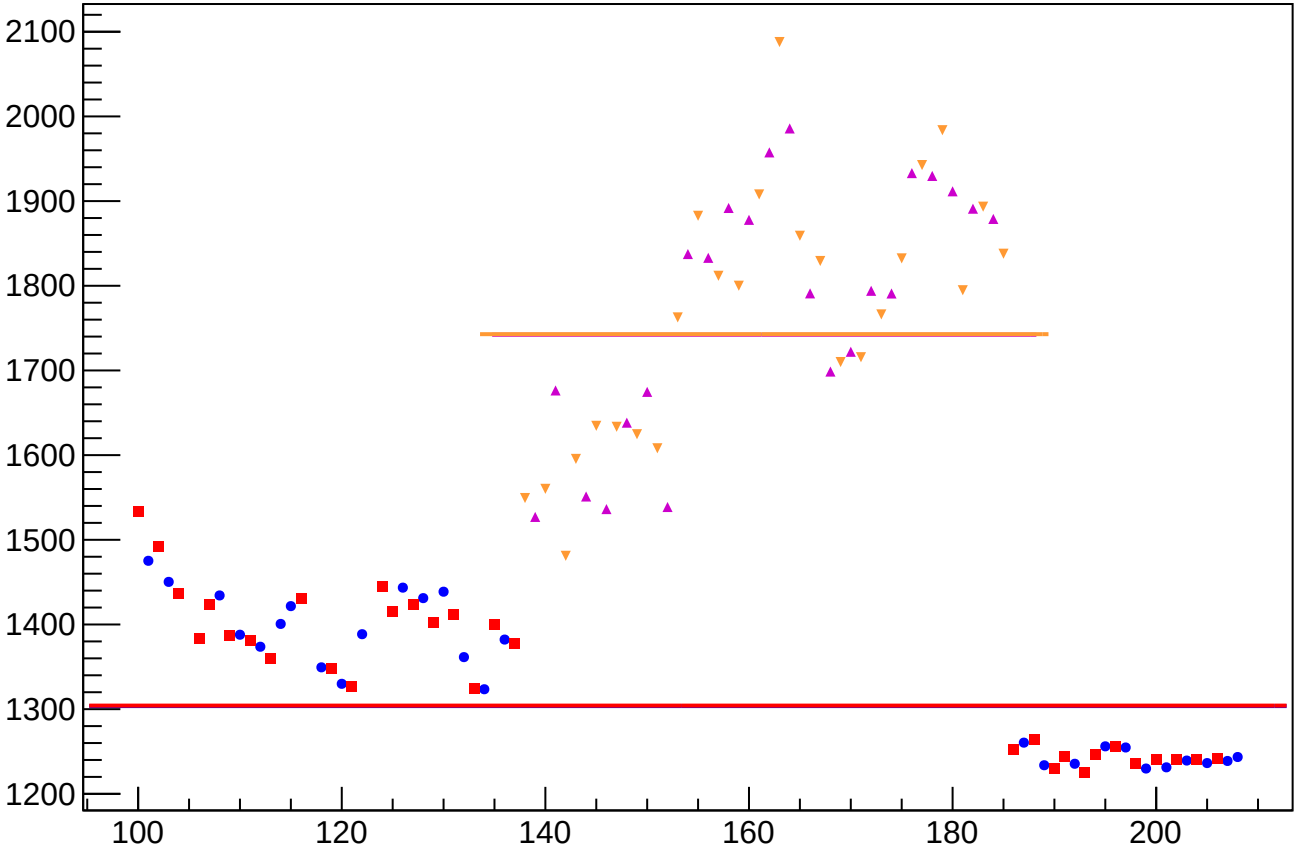
Right: -22.065+/-0.230 χ^2/NDF: 9397.1/57

In: -8.305+/-0.256 χ^2/NDF:18472.4/49

Out: -8.954+/-0.250 χ^2/NDF:4050.0/55

All: -8.637+/-0.179 χ^2/NDF: 22525.7/105

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1303.640+/-0.232 χ^2/NDF: 127949.9/26

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1304.205+/-0.228 χ^2/NDF: 124691.2/30

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

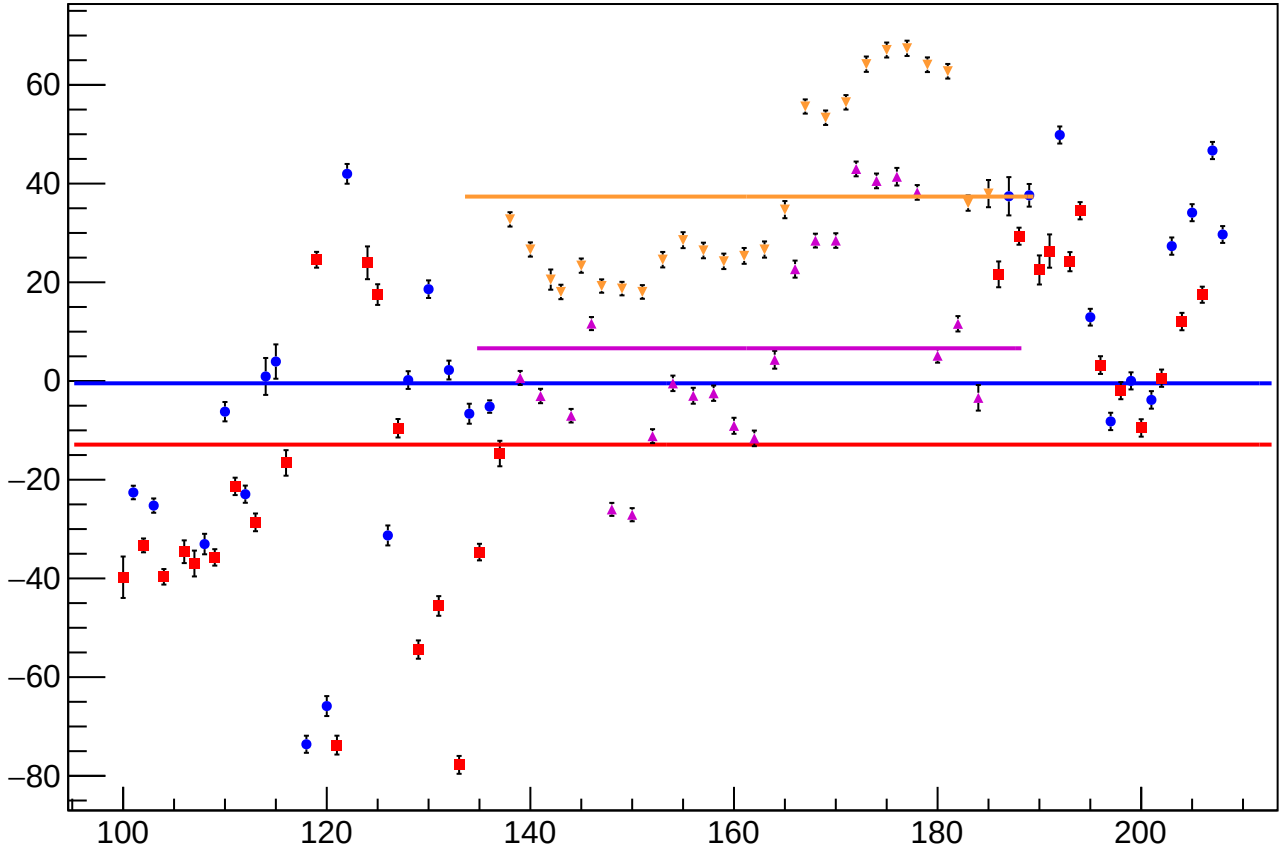
Right: 1303.928+/-0.162 χ^2/NDF: 252644.0/57

In: 1475.449+/-0.181 χ^2/NDF:1789714.4/49

Out: 1477.904+/-0.177 χ^2/NDF:1859448.7/55

All: 1476.705+/-0.126 χ^2/NDF: 3649257.3/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -0.466+/-0.352 χ^2/NDF: 7624.0/26

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -12.886+/-0.346 χ^2/NDF: 8012.9/30

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

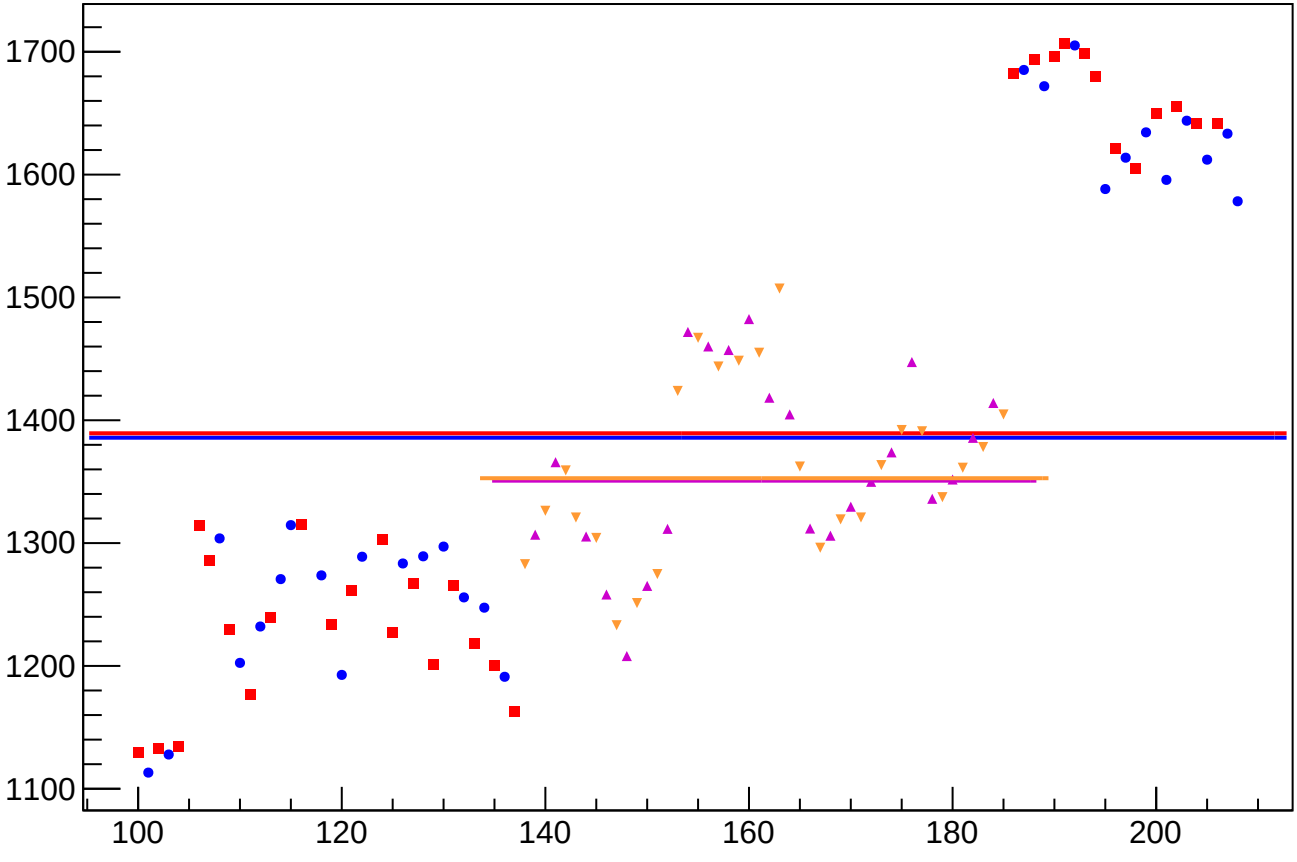
Right: -6.774+/-0.247 χ^2/NDF: 16269.3/57

In: 3.463+/-0.235 χ^2/NDF:12259.4/49

Out: 15.196+/-0.230 χ^2/NDF:23165.2/55

All: 9.456+/-0.164 χ^2/NDF: 36696.0/105

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1385.810+/-0.249 χ^2/NDF: 680505.2/26

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1389.399+/-0.245 χ^2/NDF: 807410.1/30

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

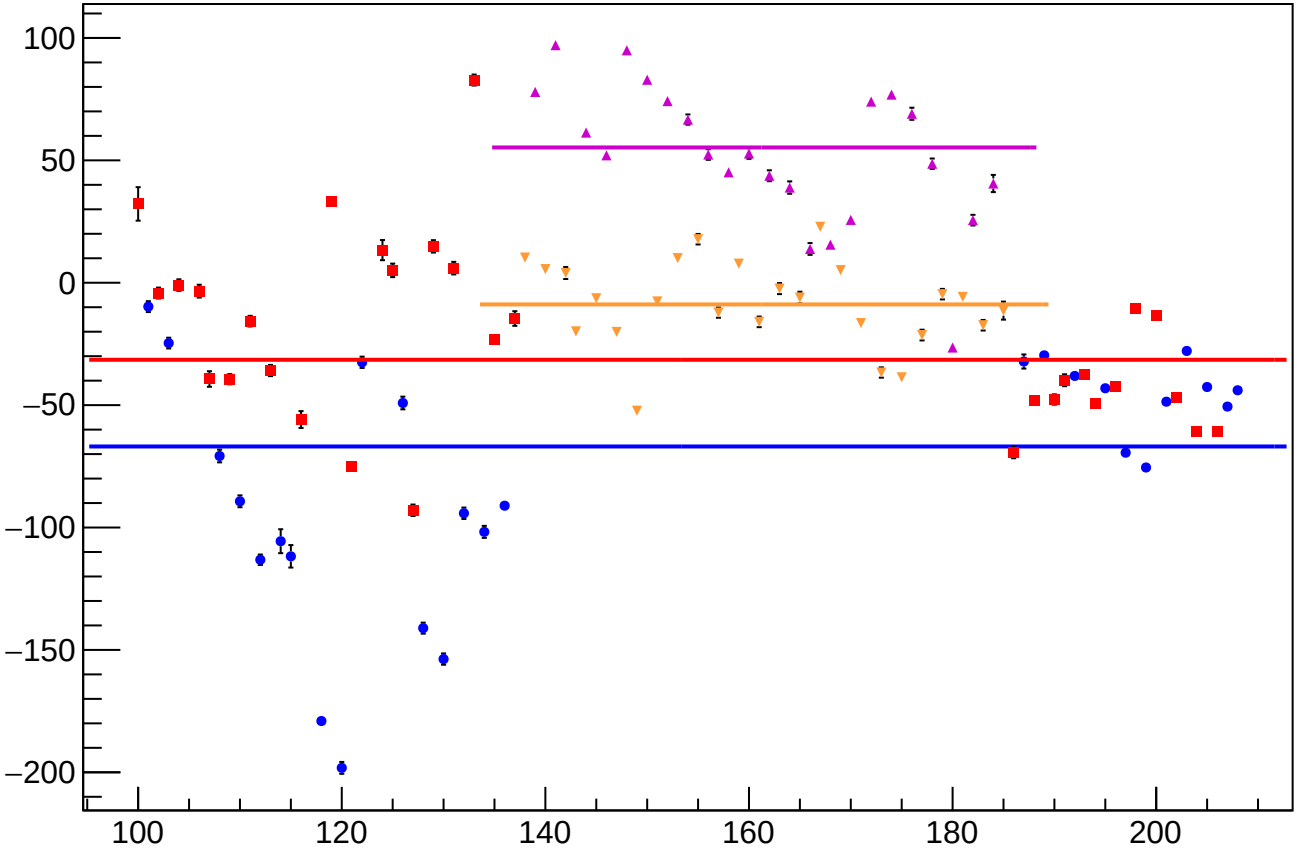
Right: 1387.633+/-0.175 χ^2/NDF: 1488021.0/57

In: 1366.445+/-0.166 χ^2/NDF:800059.0/49

Out: 1368.959+/-0.163 χ^2/NDF:924712.9/55

All: 1367.730+/-0.116 χ^2/NDF: 1724888.7/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -66.890+/-0.367 χ^2/NDF: 13876.1/26

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -31.468+/-0.355 χ^2/NDF: 8256.6/30

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

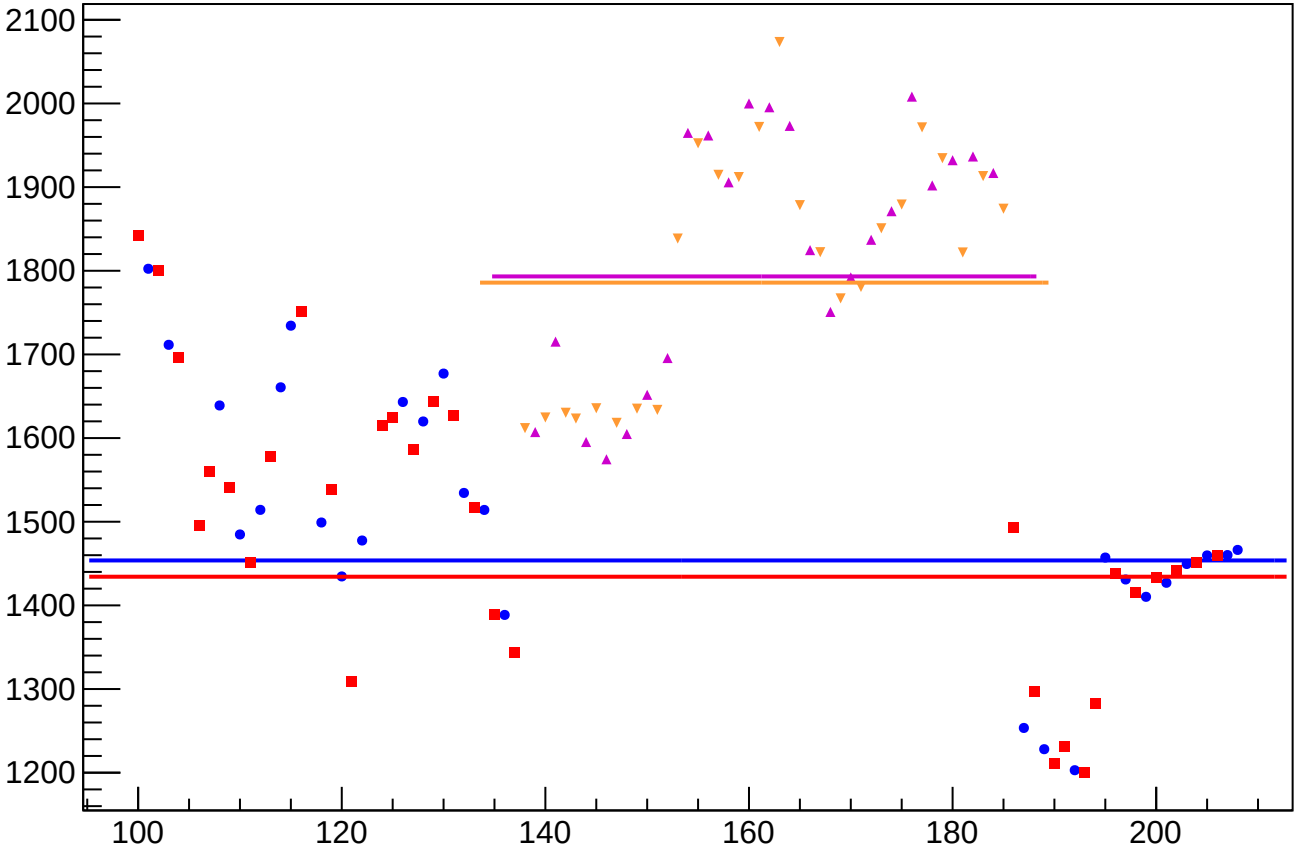
Right: -48.603+/-0.255 χ^2/NDF: 26948.2/57

In: -14.107+/-0.276 χ^2/NDF:66543.7/49

Out: -21.704+/-0.268 χ^2/NDF:11961.4/55

All: -18.028+/-0.192 χ^2/NDF: 78895.0/105

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1453.715+/-0.259 χ^2/NDF: 281683.0/26

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.265+/-0.251 χ^2/NDF: 330881.6/30

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

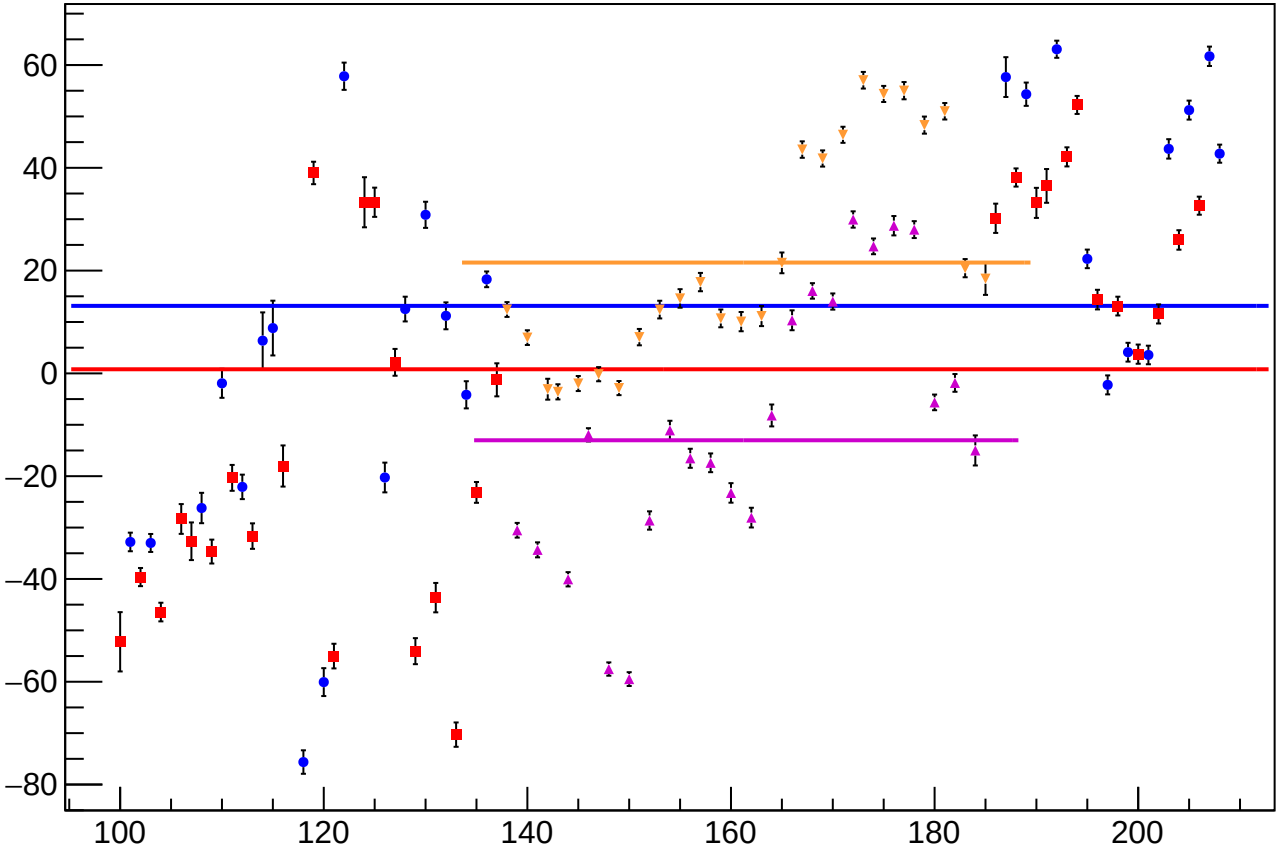
Right: 1443.673+/-0.180 χ^2/NDF: 615468.3/57

In: 1600.426+/-0.195 χ^2/NDF:1275072.7/49

Out: 1586.104+/-0.189 χ^2/NDF:1415196.5/55

All: 1593.034+/-0.136 χ^2/NDF: 2693041.0/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 13.138+/-0.417 χ^2/NDF: 7661.8/26

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 0.802+/-0.411 χ^2/NDF: 7525.2/30

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

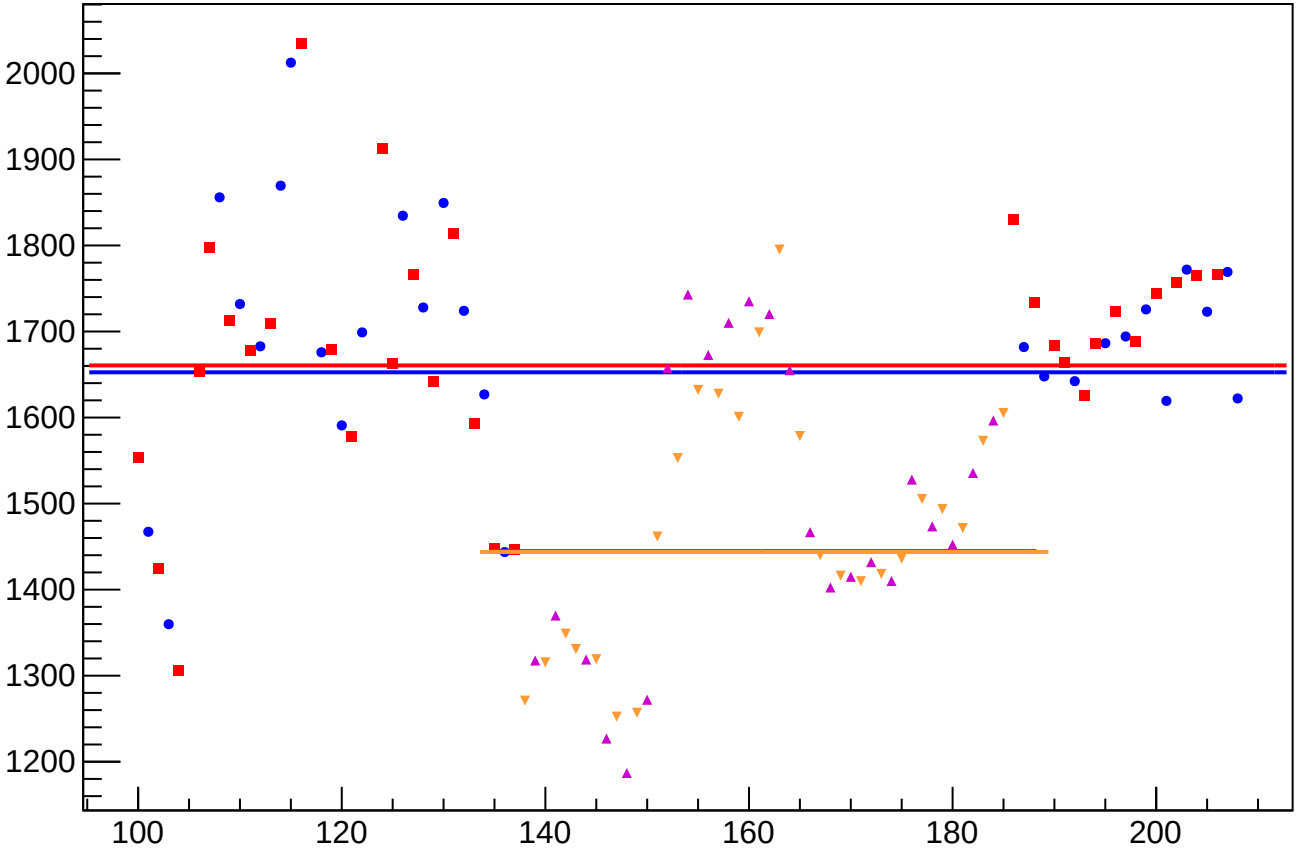
Right: 6.876+/-0.293 χ^2/NDF: 15631.3/57

In: -2.569+/-0.264 χ^2/NDF:16651.6/49

Out: 13.422+/-0.257 χ^2/NDF:13239.8/55

All: 5.621+/-0.184 χ^2/NDF: 31777.1/105

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1652.587+/-0.295 χ^2/NDF: 188191.9/26

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1660.576+/-0.290 χ^2/NDF: 221903.2/30

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

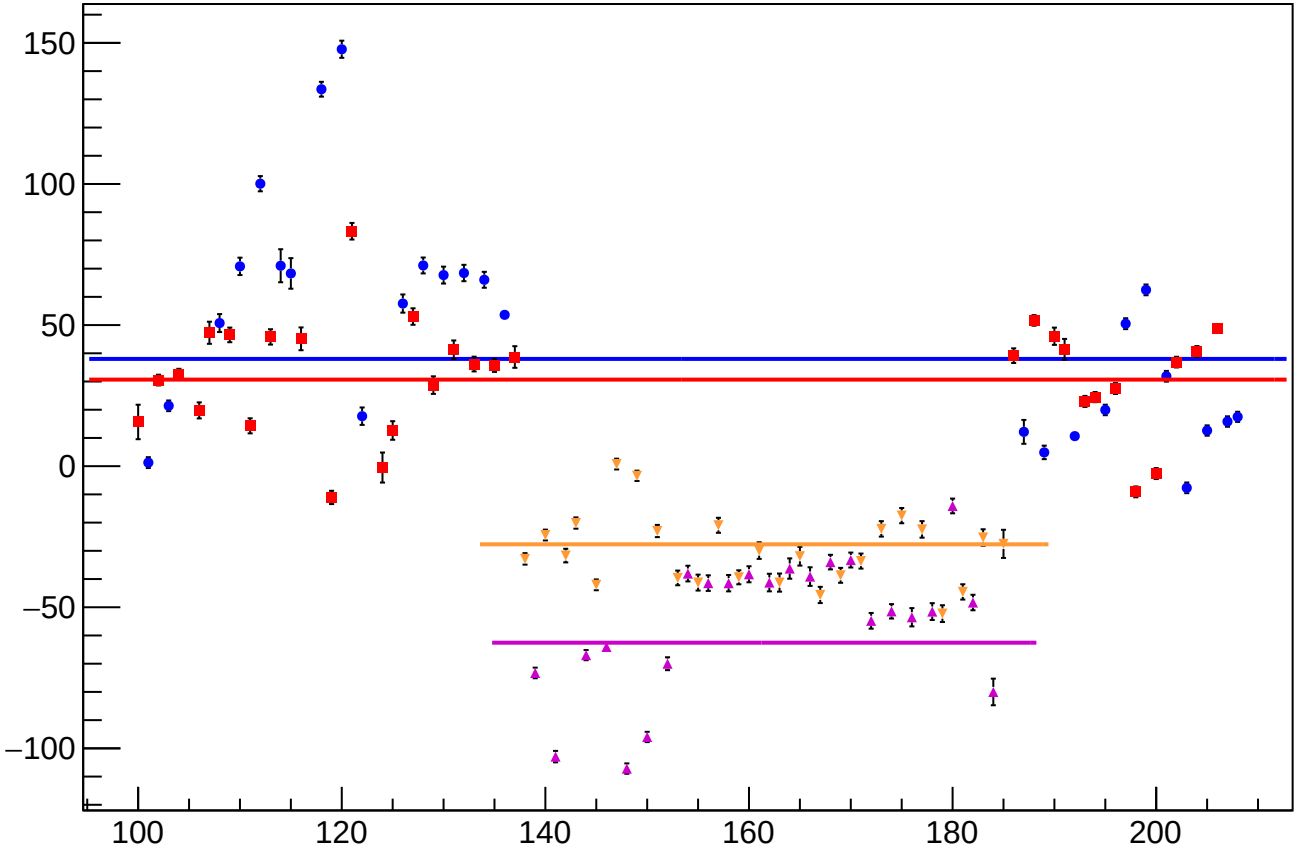
Right: 1656.642+/-0.207 χ^2/NDF: 410467.8/57

In: 1527.800+/-0.186 χ^2/NDF:971659.5/49

Out: 1528.840+/-0.182 χ^2/NDF:912885.4/55

All: 1528.333+/-0.130 χ^2/NDF: 1884560.9/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 38.009+/-0.445 χ^2/NDF: 6222.2/26

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 30.677+/-0.437 χ^2/NDF: 2005.8/30

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

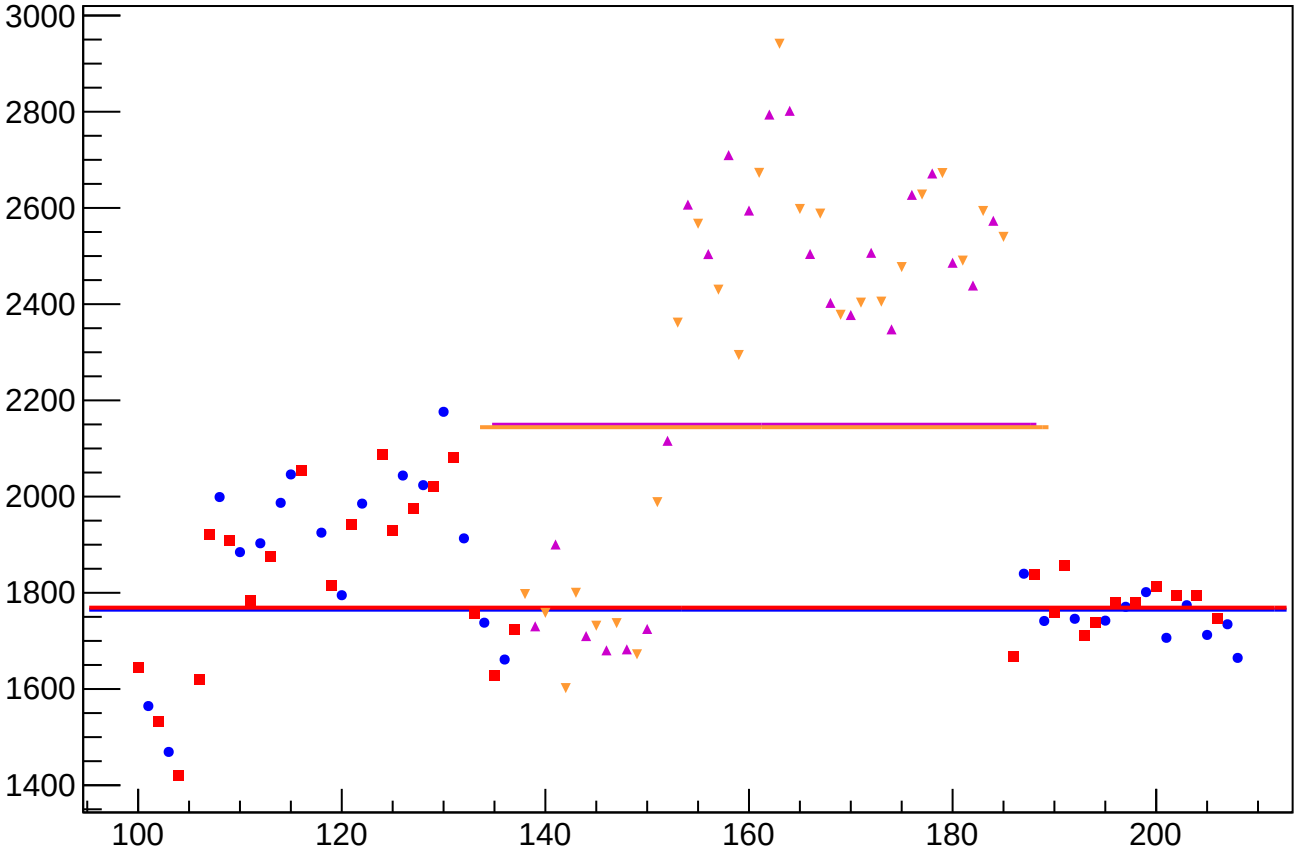
Right: 34.276+/-0.312 χ^2/NDF: 8366.0/57

In: -5.318+/-0.336 χ^2/NDF:30660.9/49

Out: 5.156+/-0.328 χ^2/NDF:10564.3/55

All: 0.044+/-0.235 χ^2/NDF: 41722.9/105

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1764.954+/-0.315 χ^2/NDF: 209994.9/26

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.123+/-0.309 χ^2/NDF: 201387.9/30

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

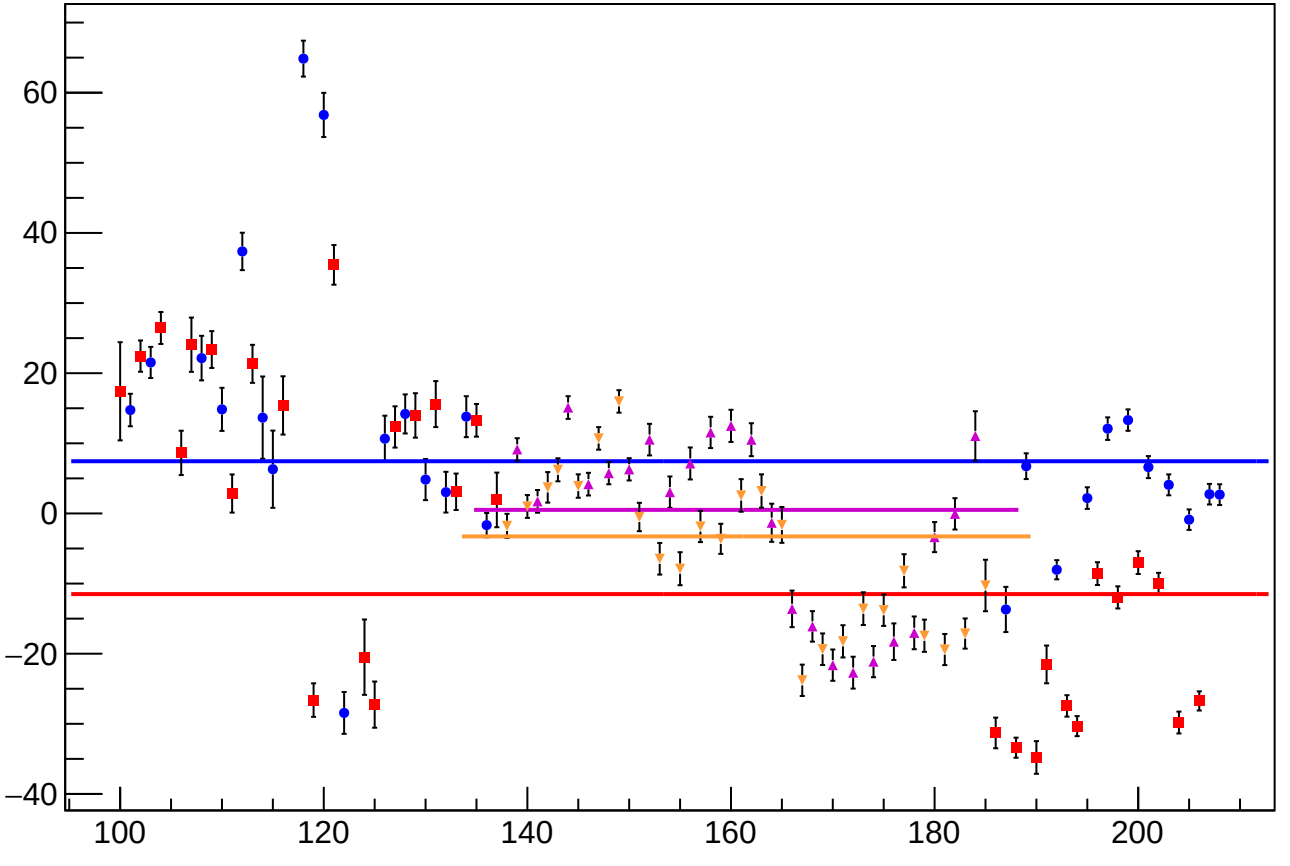
Right: 1767.076+/-0.221 χ^2/NDF: 411472.1/57

In: 1930.565+/-0.238 χ^2/NDF:2118000.1/49

Out: 1933.129+/-0.232 χ^2/NDF:2124860.5/55

All: 1931.877+/-0.166 χ^2/NDF: 4242920.2/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 7.446+/-0.393 χ^2/NDF: 1403.6/26

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -11.502+/-0.387 χ^2/NDF: 2725.8/30

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

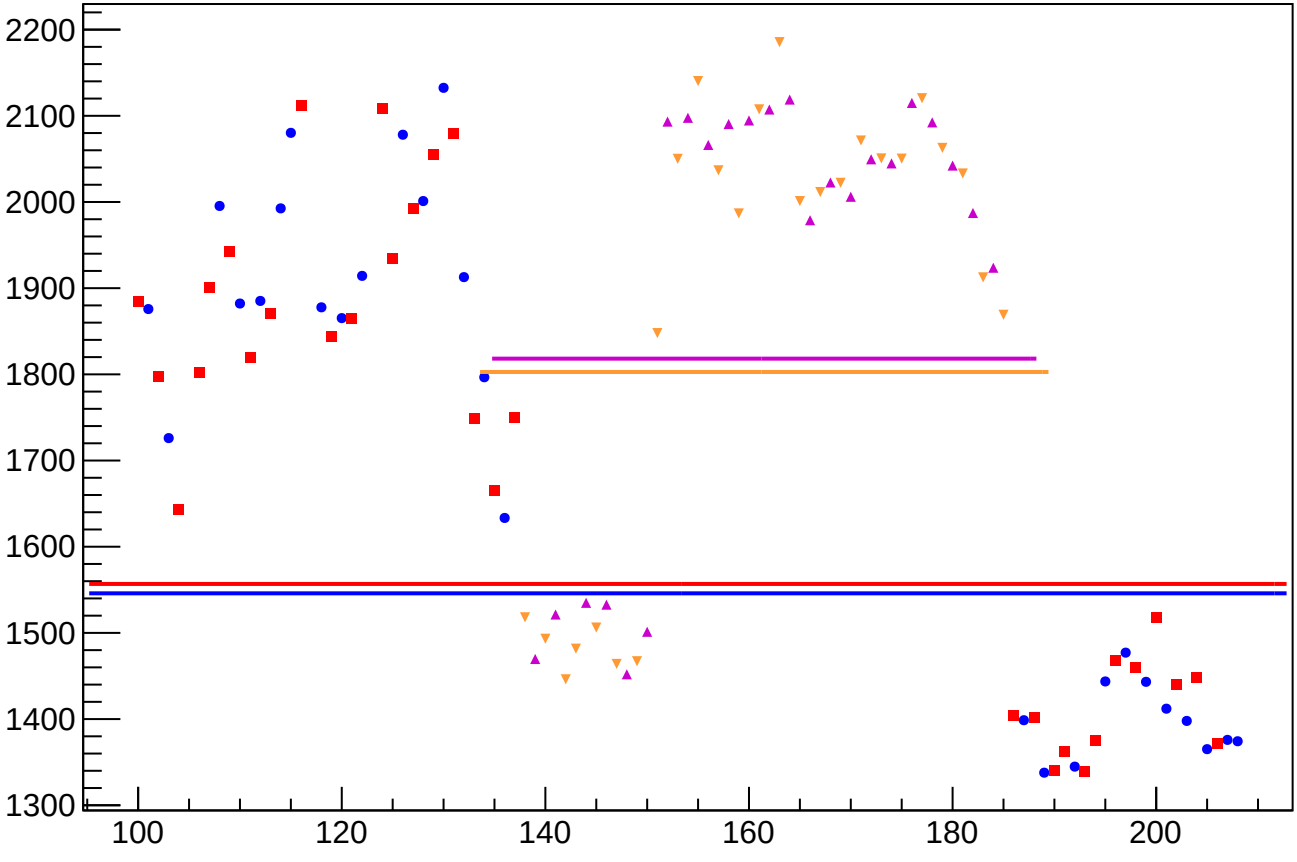
Right: -2.163+/-0.276 χ^2/NDF: 5308.0/57

In: 4.287+/-0.290 χ^2/NDF:2291.2/49

Out: -7.667+/-0.283 χ^2/NDF:3607.0/55

All: -1.834+/-0.203 χ^2/NDF: 6768.2/105

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1545.913+/-0.278 χ^2/NDF: 716187.0/26

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1556.812+/-0.274 χ^2/NDF: 652724.7/30

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

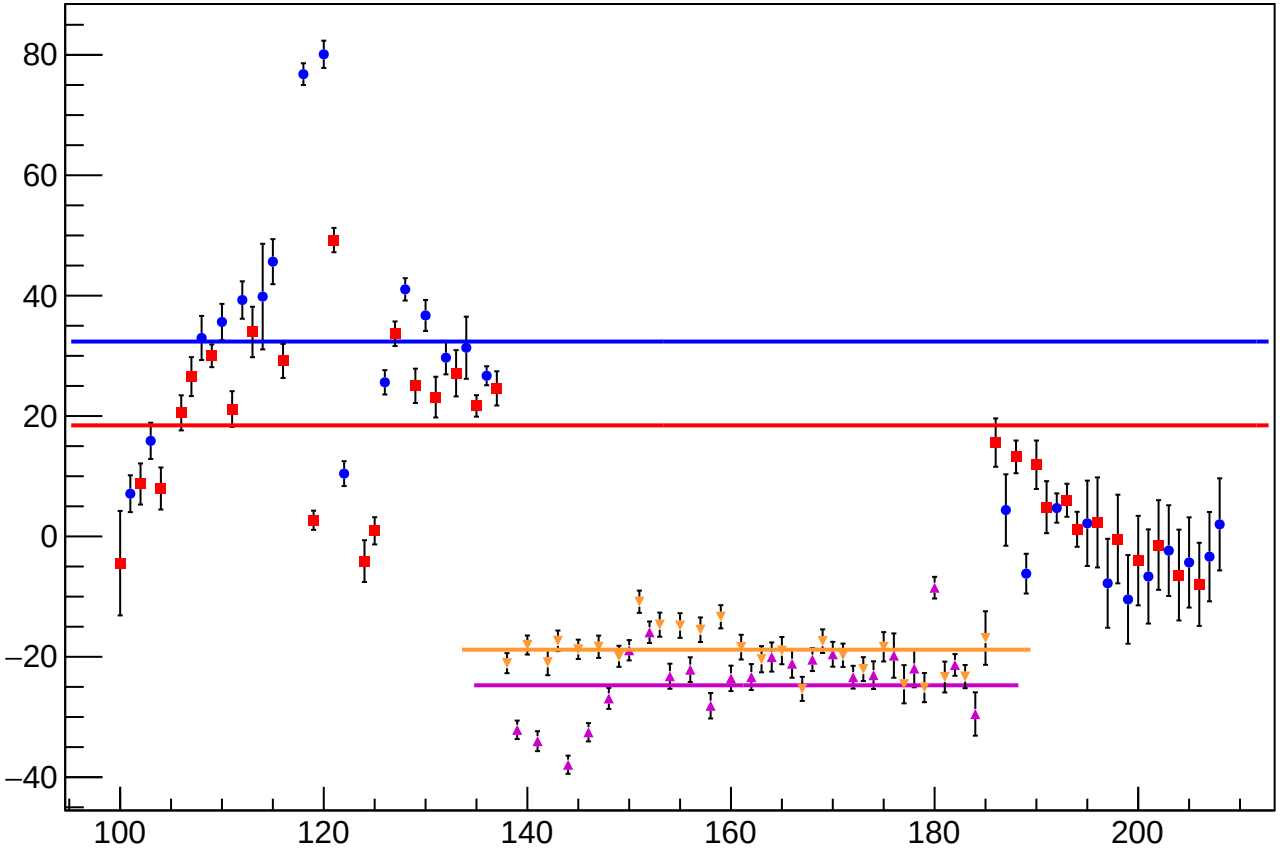
Right: 1551.440+/-0.195 χ^2/NDF: 1369691.7/57

In: 1669.924+/-0.205 χ^2/NDF:1993806.2/49

Out: 1671.458+/-0.200 χ^2/NDF:1925714.0/55

All: 1670.710+/-0.143 χ^2/NDF: 3919548.9/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.378+/-0.576 χ^2/NDF: 1806.6/26

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.453+/-0.533 χ^2/NDF: 731.5/30

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

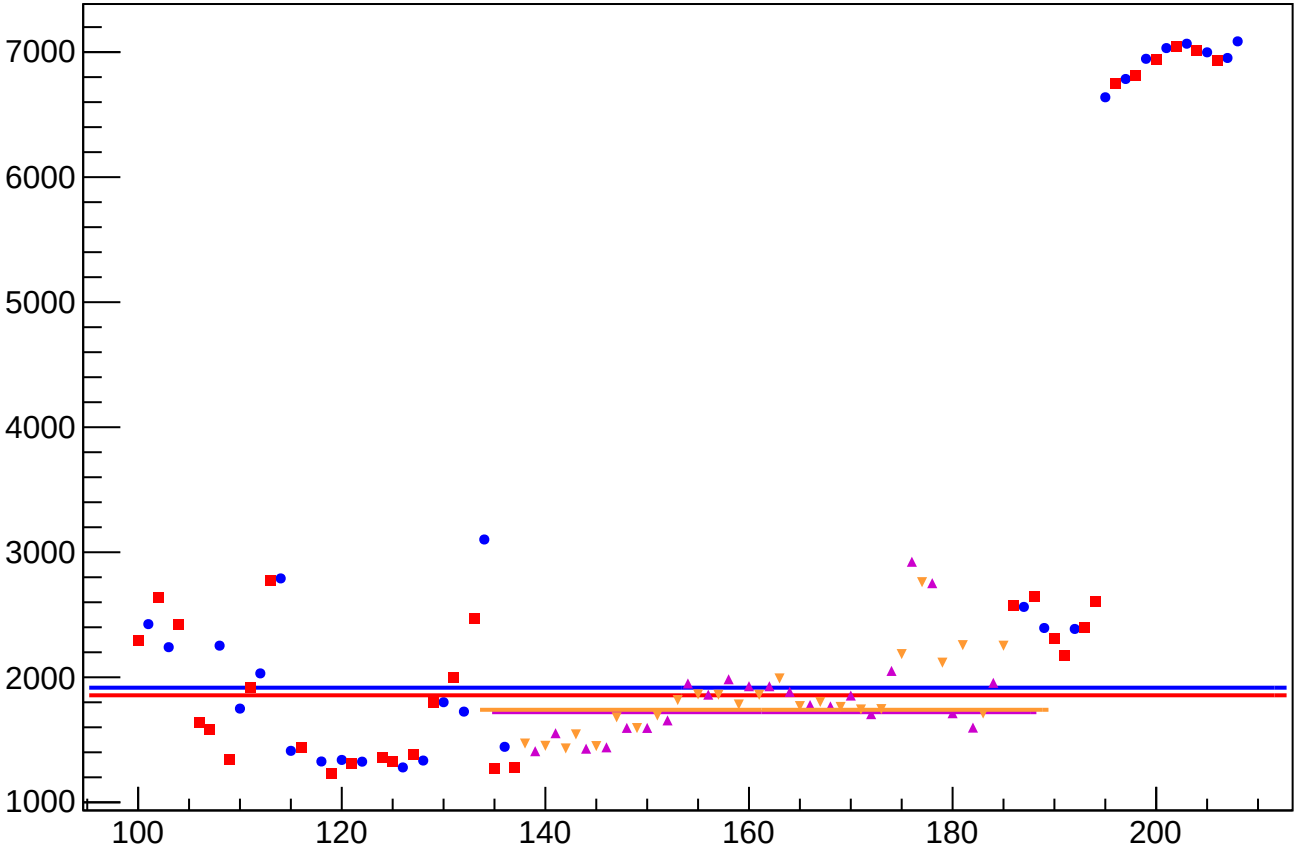
Right: 24.878+/-0.391 χ^2/NDF: 2852.9/57

In: -5.601+/-0.333 χ^2/NDF:8653.0/49

Out: -5.307+/-0.321 χ^2/NDF:3922.9/55

All: -5.449+/-0.231 χ^2/NDF: 12576.2/105

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1916.820+/-0.407 χ^2/NDF: 8732143.6/26

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1855.889+/-0.377 χ^2/NDF: 7708820.2/30

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

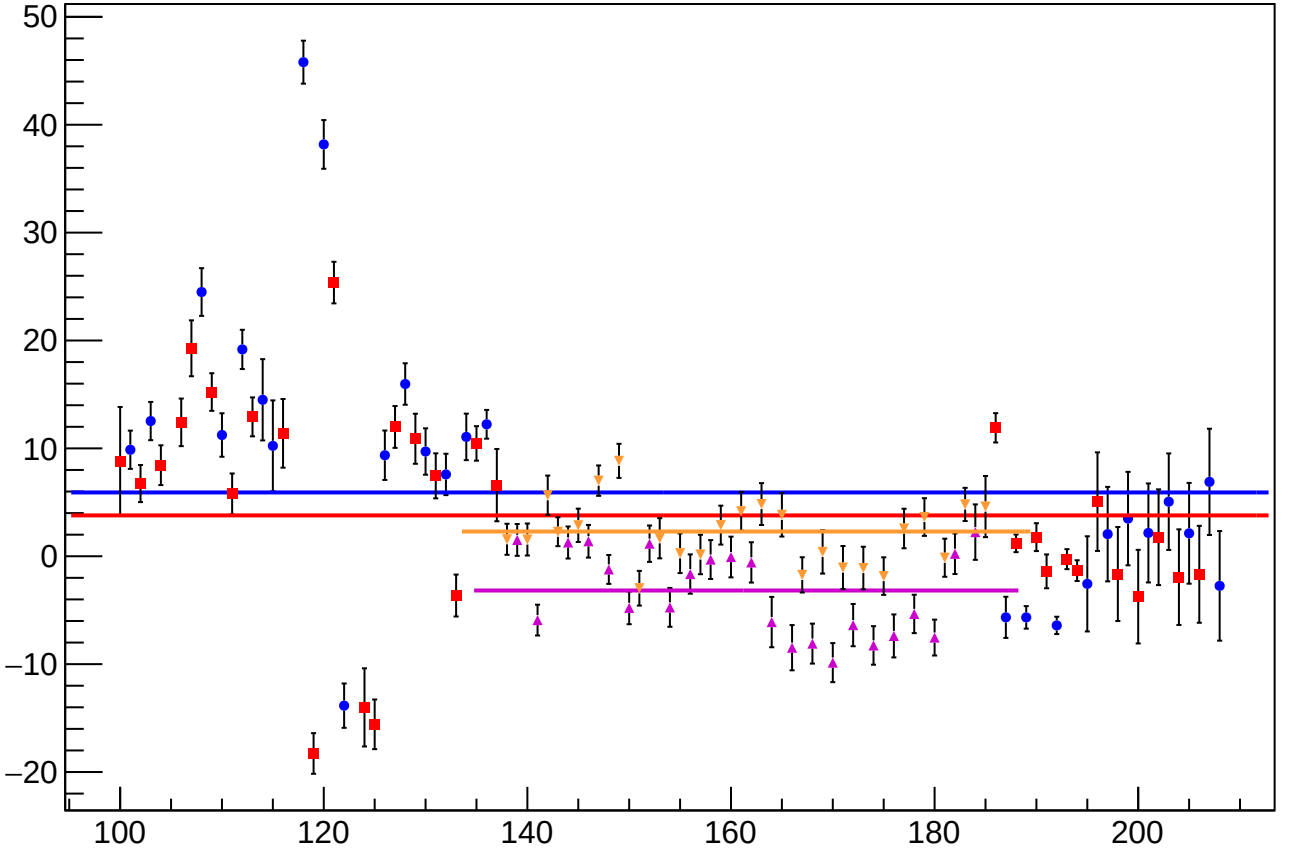
Right: 1884.001+/-0.277 χ^2/NDF: 16453020.4/57

In: 1786.505+/-0.236 χ^2/NDF:9770090.8/49

Out: 1782.061+/-0.227 χ^2/NDF:8522372.5/55

All: 1784.199+/-0.163 χ^2/NDF: 18292647.8/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.915+/-0.377 χ^2/NDF: 1319.3/26

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.787+/-0.318 χ^2/NDF: 671.9/30

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

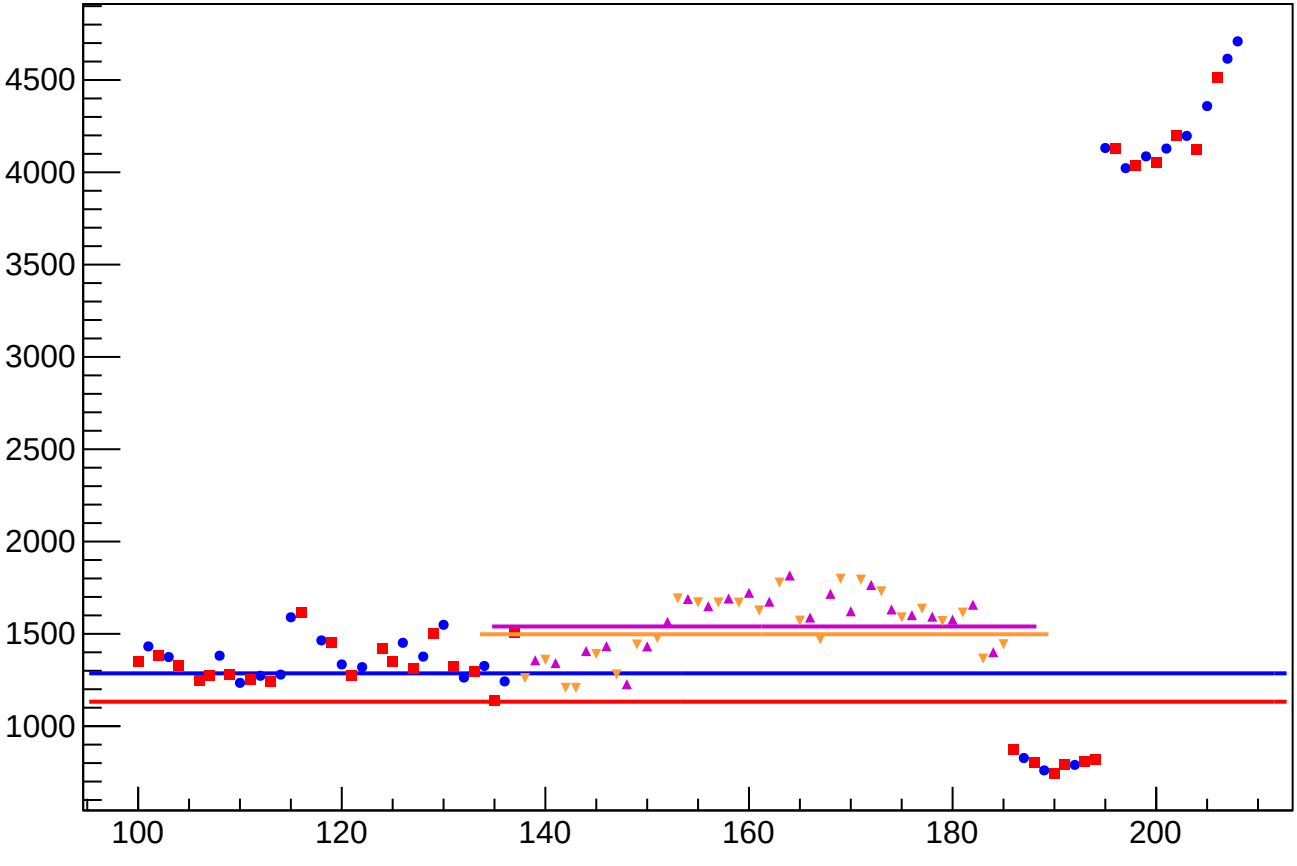
Right: 4.674+/-0.243 χ^2/NDF: 2009.9/57

In: 1.197+/-0.261 χ^2/NDF:1732.0/49

Out: 3.097+/-0.233 χ^2/NDF:755.6/55

All: 2.253+/-0.174 χ^2/NDF: 2517.1/105

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1286.095+/-0.266 χ^2/NDF: 8235669.0/26

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1132.450+/-0.225 χ^2/NDF: 7158010.1/30

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

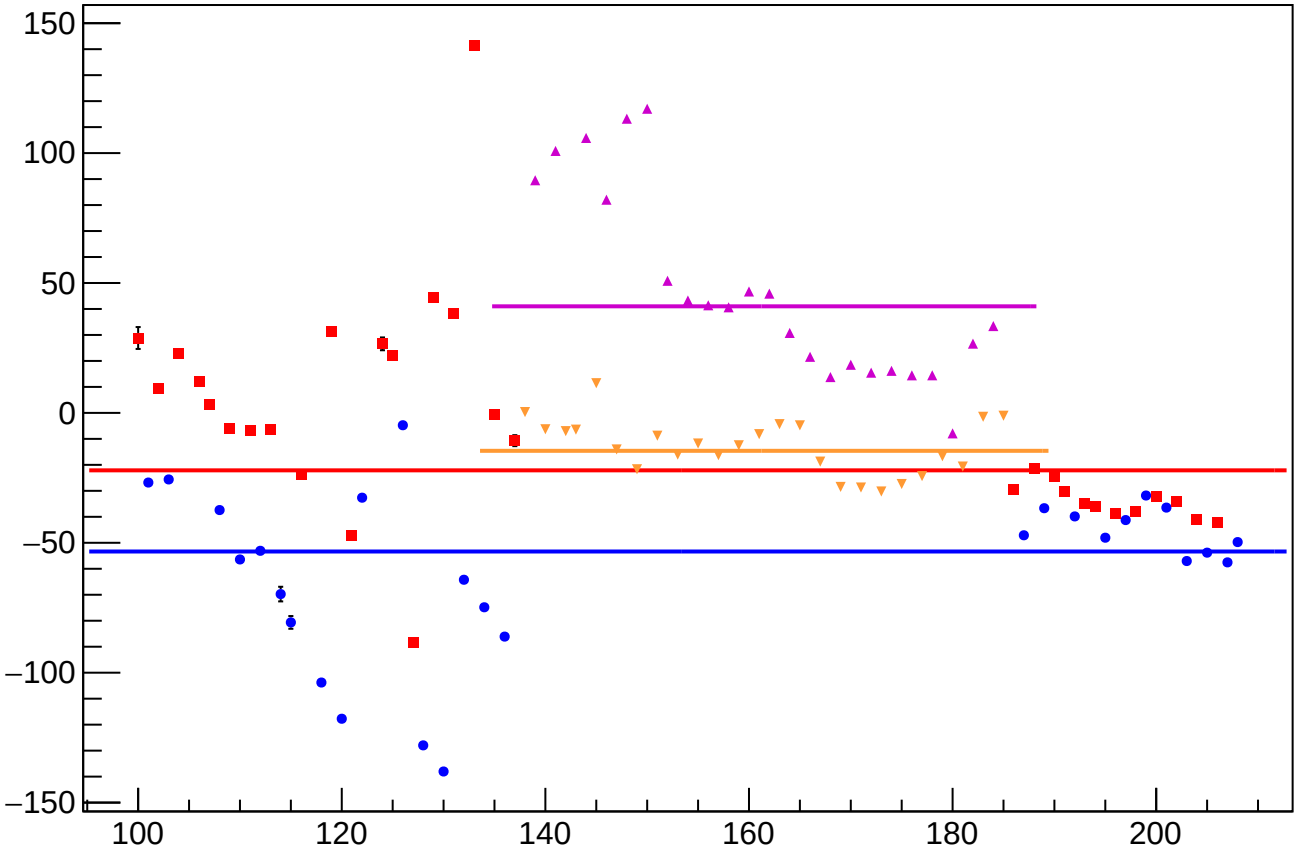
Right: 1196.455+/-0.172 χ^2/NDF: 15587886.5/57

In: 1417.855+/-0.185 χ^2/NDF:9087519.1/49

Out: 1301.170+/-0.165 χ^2/NDF:8943688.5/55

All: 1352.996+/-0.123 χ^2/NDF: 18253150.5/

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.351+/-0.184 χ^2/NDF: 17828.6/26

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -22.114+/-0.182 χ^2/NDF: 32087.2/30

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

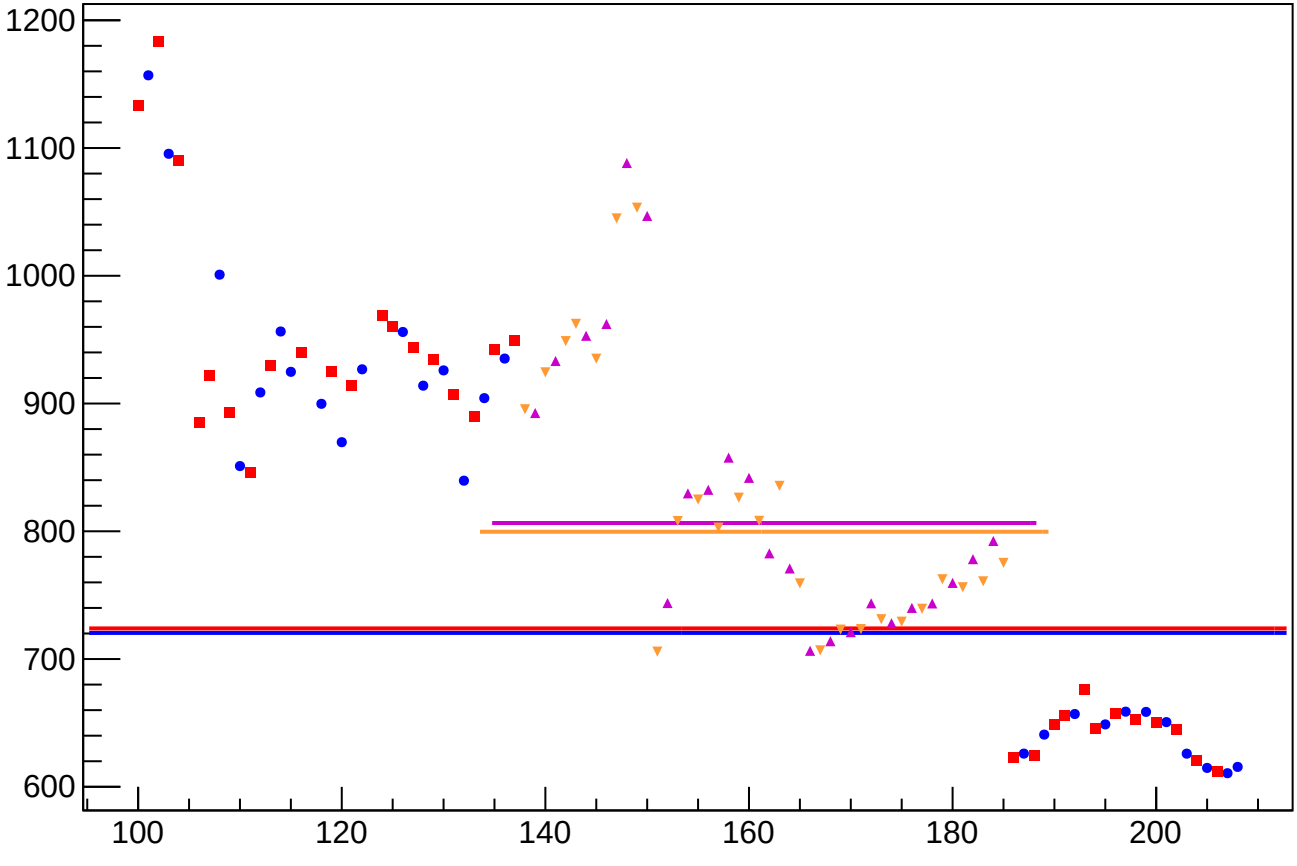
Right: -37.494+/-0.129 χ^2/NDF: 64474.3/57

In: -7.508+/-0.132 χ^2/NDF:176052.6/49

Out: -18.382+/-0.129 χ^2/NDF:36096.5/55

All: -13.085+/-0.092 χ^2/NDF: 215615.8/105

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 720.445+/-0.130 χ^2/NDF: 1185486.7/26

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 723.970+/-0.128 χ^2/NDF: 1218470.3/30

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

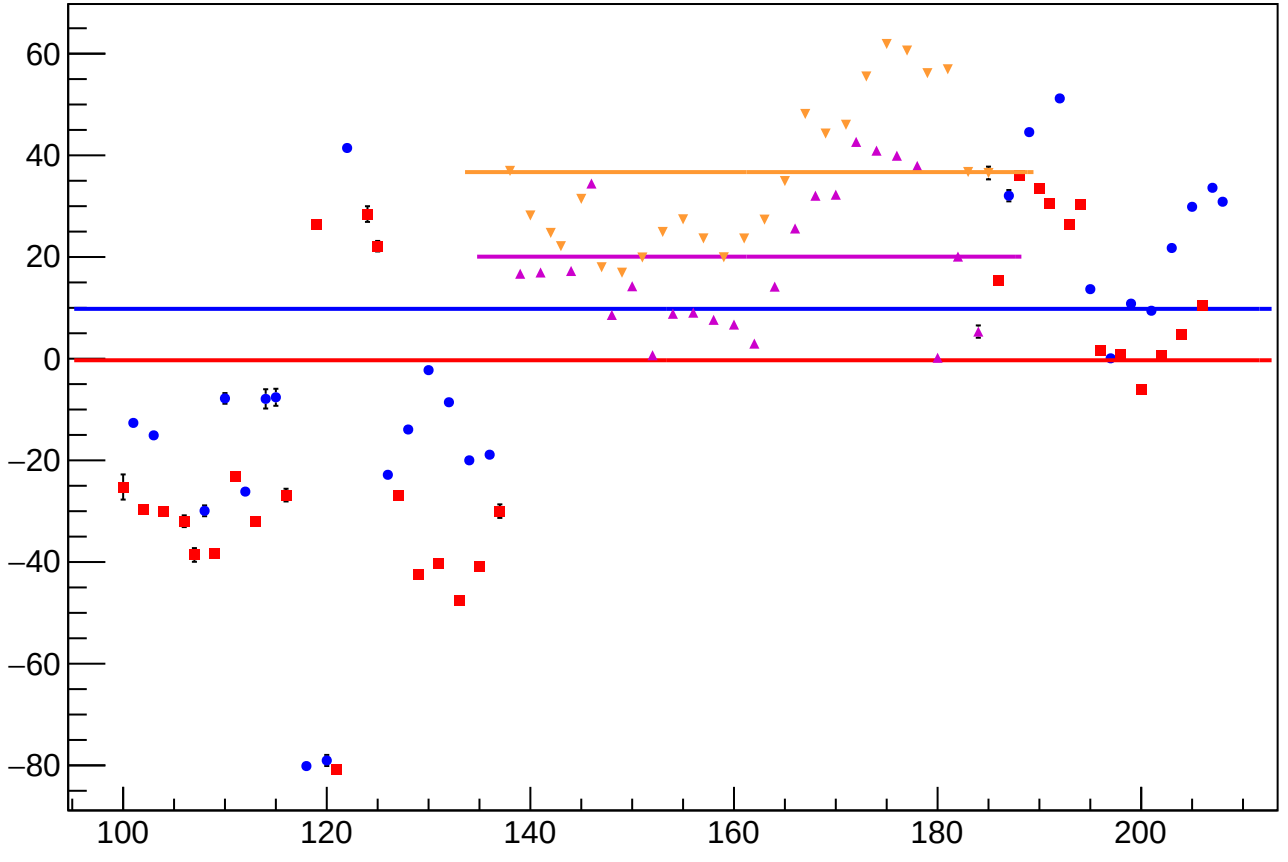
Right: 722.235+/-0.092 χ^2/NDF: 2404327.8/57

In: 762.237+/-0.094 χ^2/NDF:1908138.0/49

Out: 761.537+/-0.091 χ^2/NDF:1888190.2/55

All: 761.878+/-0.065 χ^2/NDF: 3796357.0/105

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 9.802+/-0.136 χ^2/NDF: 45507.8/26

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -0.310+/-0.133 χ^2/NDF: 43630.8/30

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

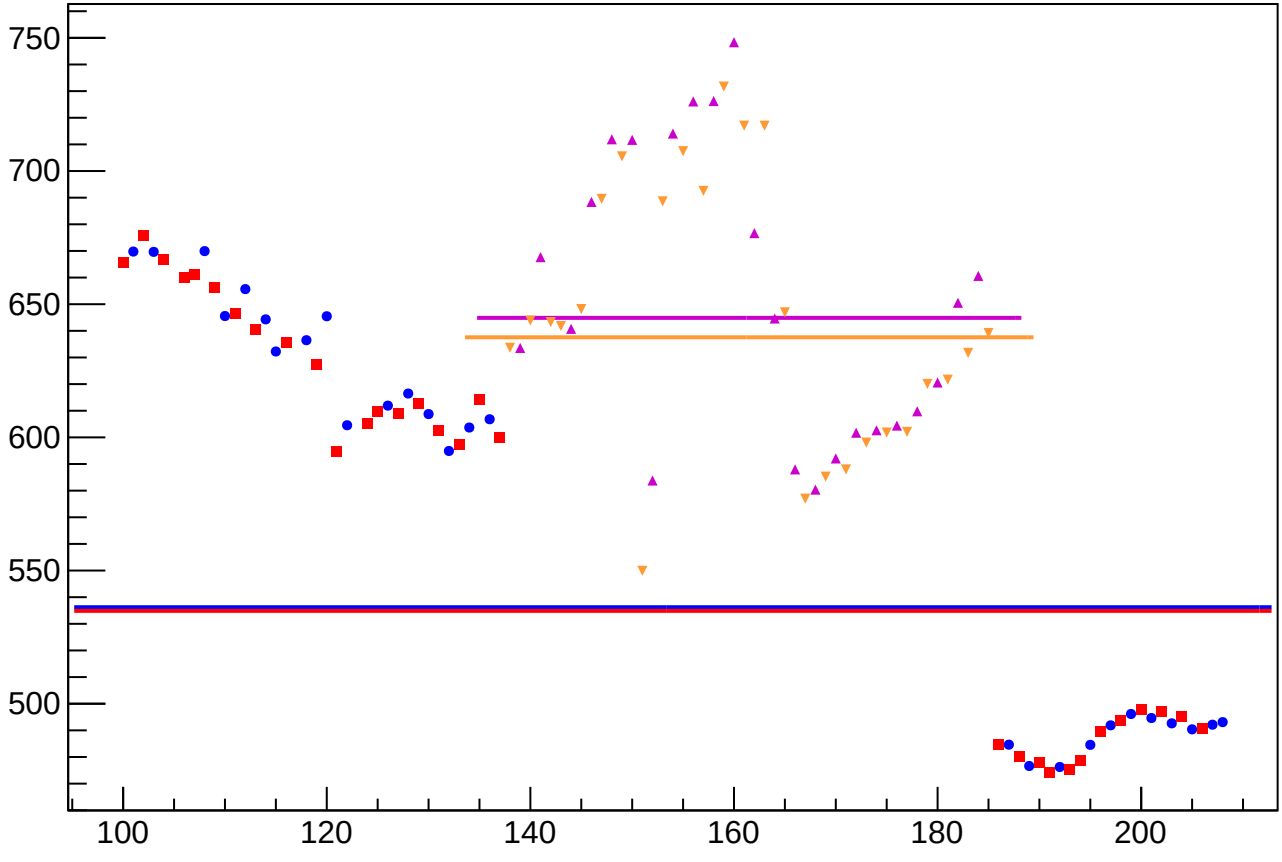
Right: 4.633+/-0.095 χ^2/NDF: 91974.3/57

In: 14.384+/-0.101 χ^2/NDF:56620.8/49

Out: 16.516+/-0.098 χ^2/NDF:89195.7/55

All: 15.482+/-0.070 χ^2/NDF: 146045.9/105

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 536.231+/-0.096 χ^2/NDF: 508822.4/26

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 534.860+/-0.094 χ^2/NDF: 540263.4/30

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

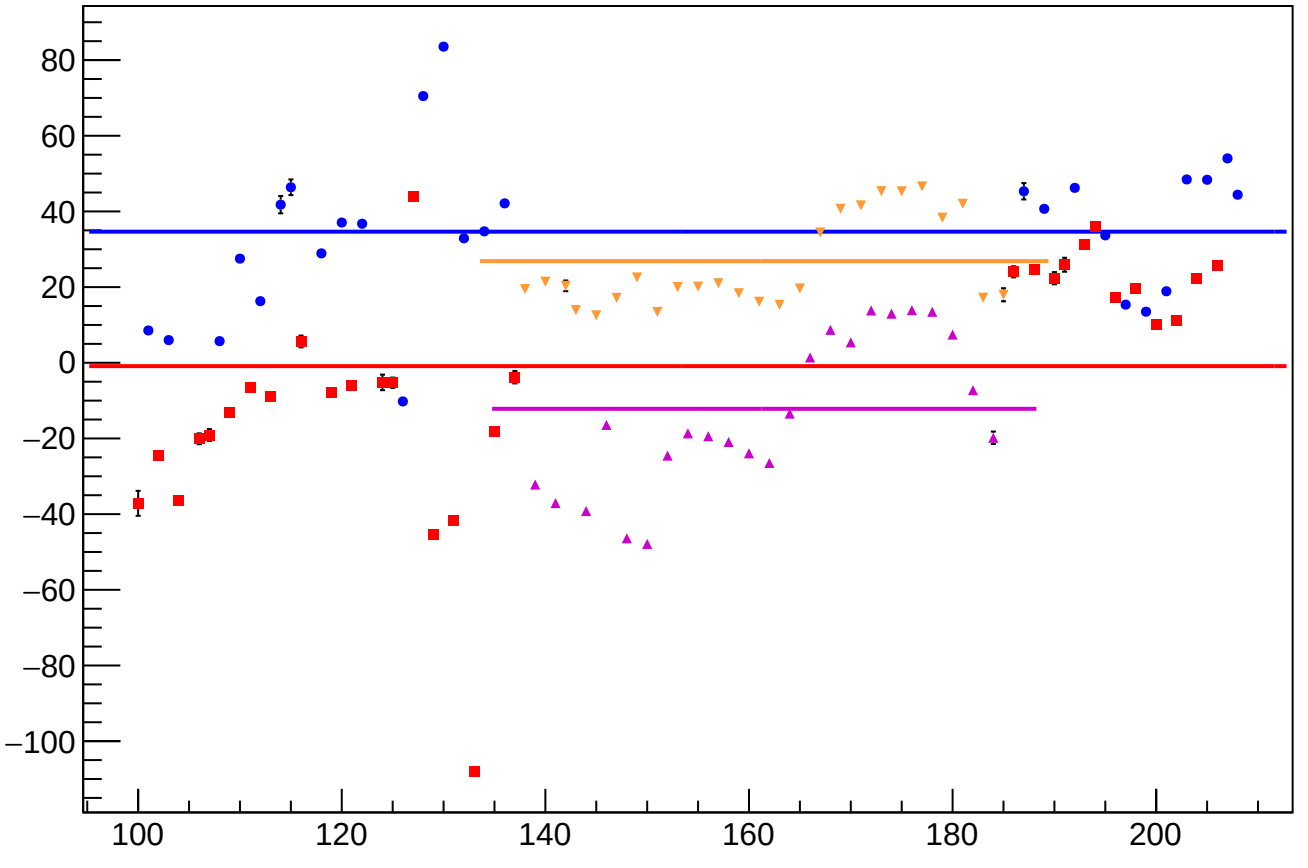
Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

Right: 535.530+/-0.067 χ^2/NDF: 1049190.1/57

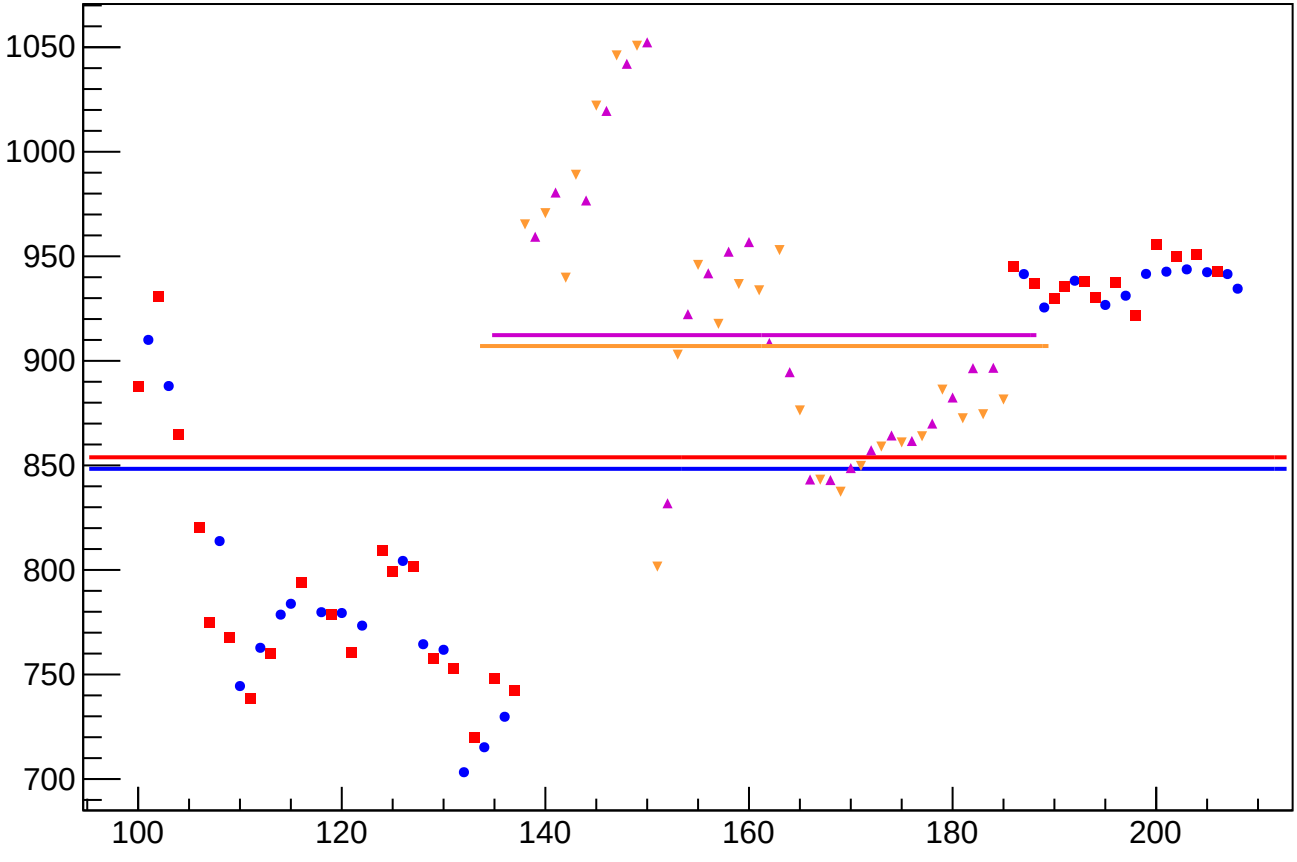
In: 584.711+/-0.071 χ^2/NDF:1309914.9/49

Out: 581.549+/-0.069 χ^2/NDF:1320931.7/55

All: 583.083+/-0.050 χ^2/NDF: 2631855.8/105


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 34.651+/-0.214 χ²/NDF: 8804.1/26
Left Out: 26.866+/-0.207 χ²/NDF:3390.4/24
Right Out: -0.887+/-0.211 χ²/NDF: 22527.1/30
Left In: -12.159+/-0.214 χ²/NDF:8547.0/22
Left: 8.004+/-0.149 χ²/NDF: 29170.3/47
Right: 16.634+/-0.150 χ²/NDF: 45273.2/57
In: 11.178+/-0.151 χ²/NDF:41275.5/49
Out: 13.299+/-0.148 χ²/NDF:34732.9/55
All: 12.264+/-0.106 χ²/NDF: 76109.0/105

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 848.361+/-0.152 χ^2/NDF: 356972.2/26

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 853.882+/-0.149 χ^2/NDF: 342212.1/30

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

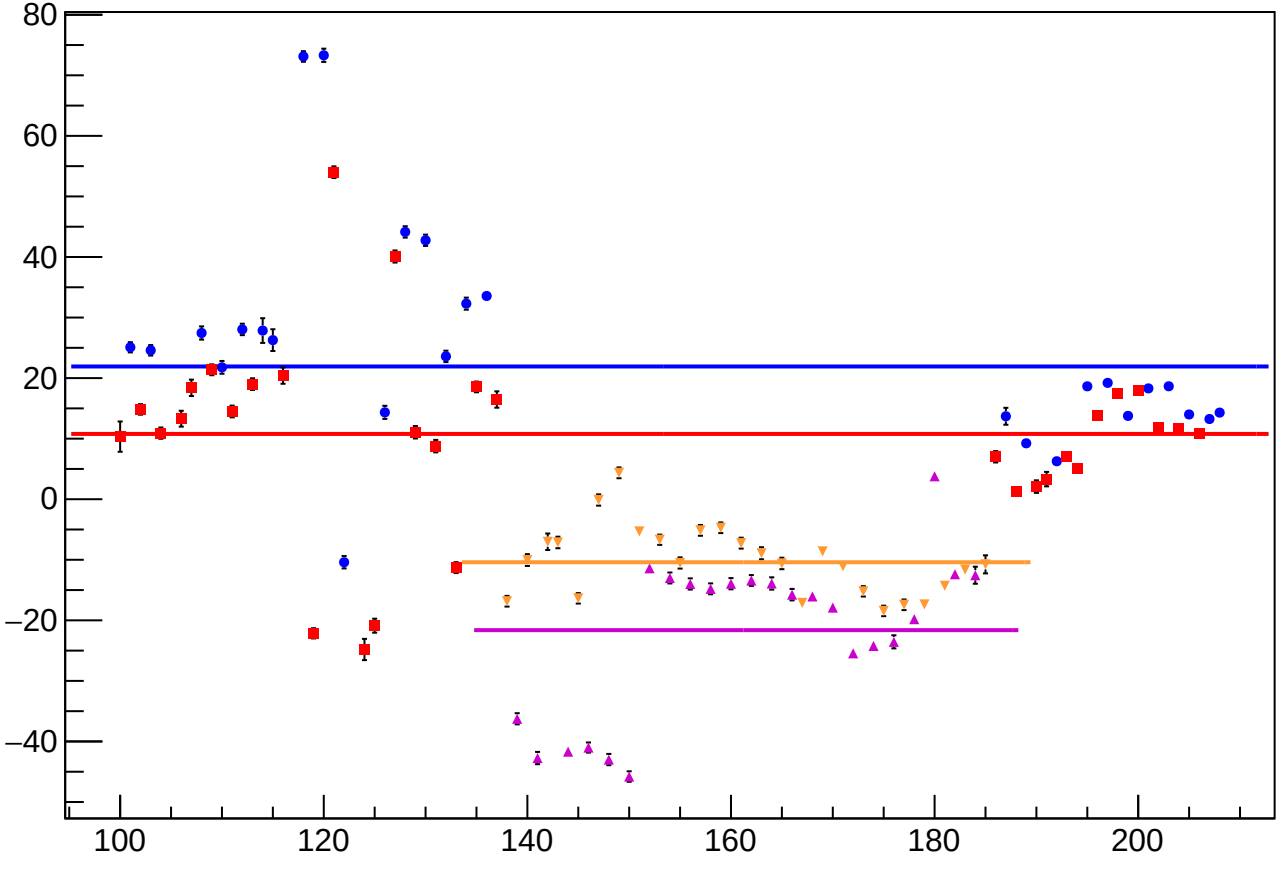
Right: 851.160+/-0.106 χ^2/NDF: 699857.4/57

In: 880.424+/-0.107 χ^2/NDF:620962.4/49

Out: 881.079+/-0.104 χ^2/NDF:601617.6/55

All: 880.759+/-0.075 χ^2/NDF: 1222599.2/105

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 21.920+/-0.154 χ^2/NDF: 10006.3/26

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.782+/-0.155 χ^2/NDF: 7303.3/30

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

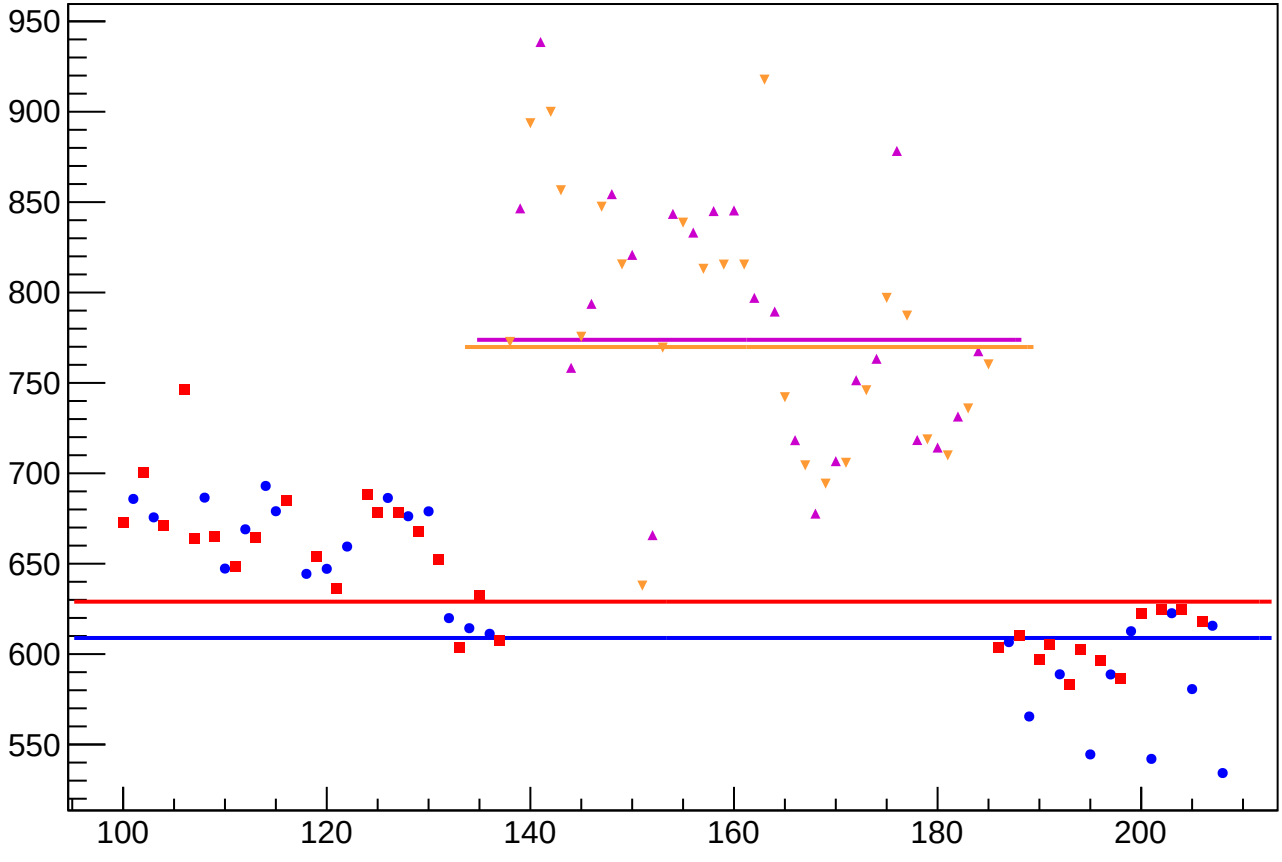
Right: 16.398+/-0.109 χ^2/NDF: 19904.9/57

In: 3.754+/-0.118 χ^2/NDF:48626.9/49

Out: 1.511+/-0.116 χ^2/NDF:16496.5/55

All: 2.622+/-0.083 χ^2/NDF: 65307.4/105

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 608.915+/-0.109 χ^2/NDF: 194425.0/26

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.001+/-0.110 χ^2/NDF: 98215.8/30

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

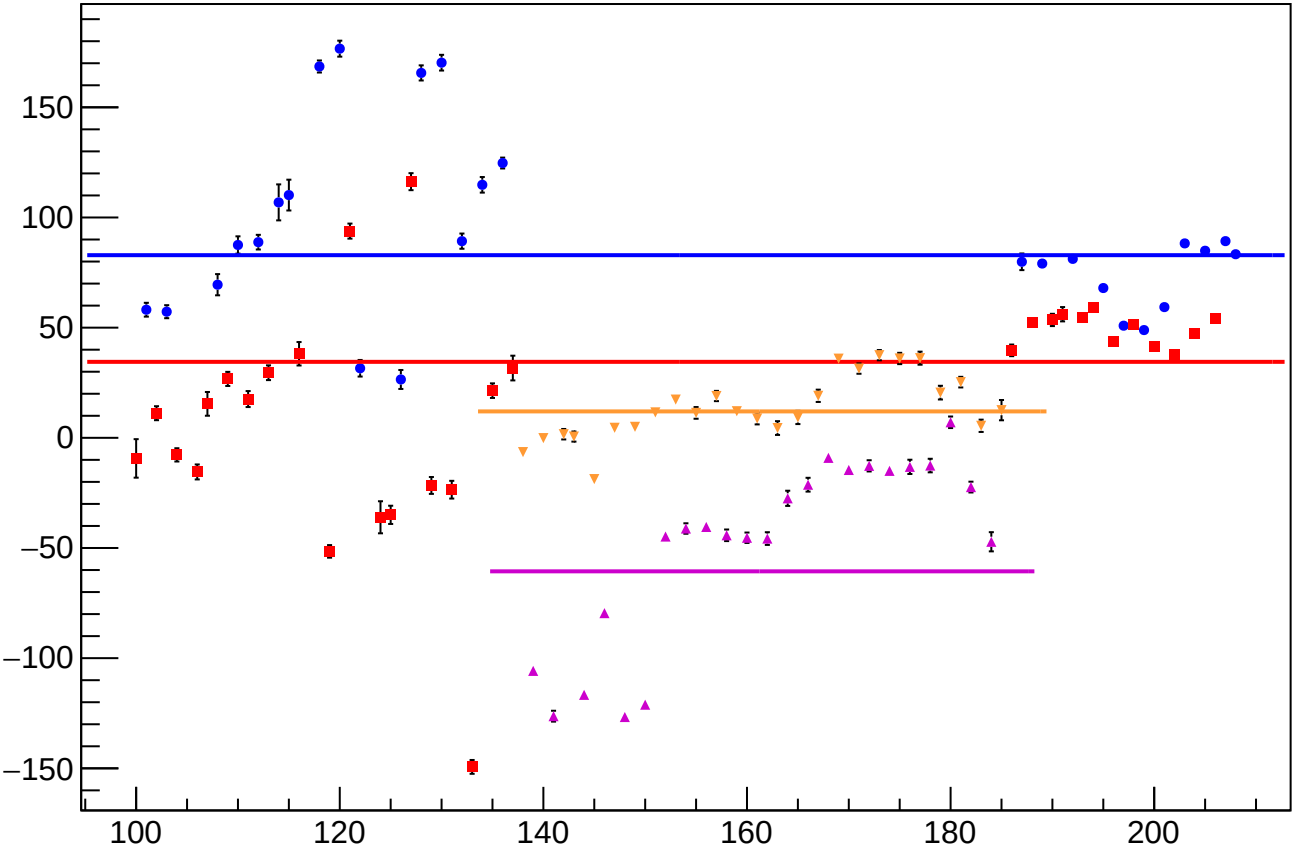
Right: 618.873+/-0.077 χ^2/NDF: 309522.5/57

In: 677.726+/-0.083 χ^2/NDF:1435122.7/49

Out: 690.634+/-0.082 χ^2/NDF:1123134.0/55

All: 684.240+/-0.058 χ^2/NDF: 2570433.2/105

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.894+/-0.468 χ^2/NDF: 4696.7/26

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 34.483+/-0.471 χ^2/NDF: 7298.9/30

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

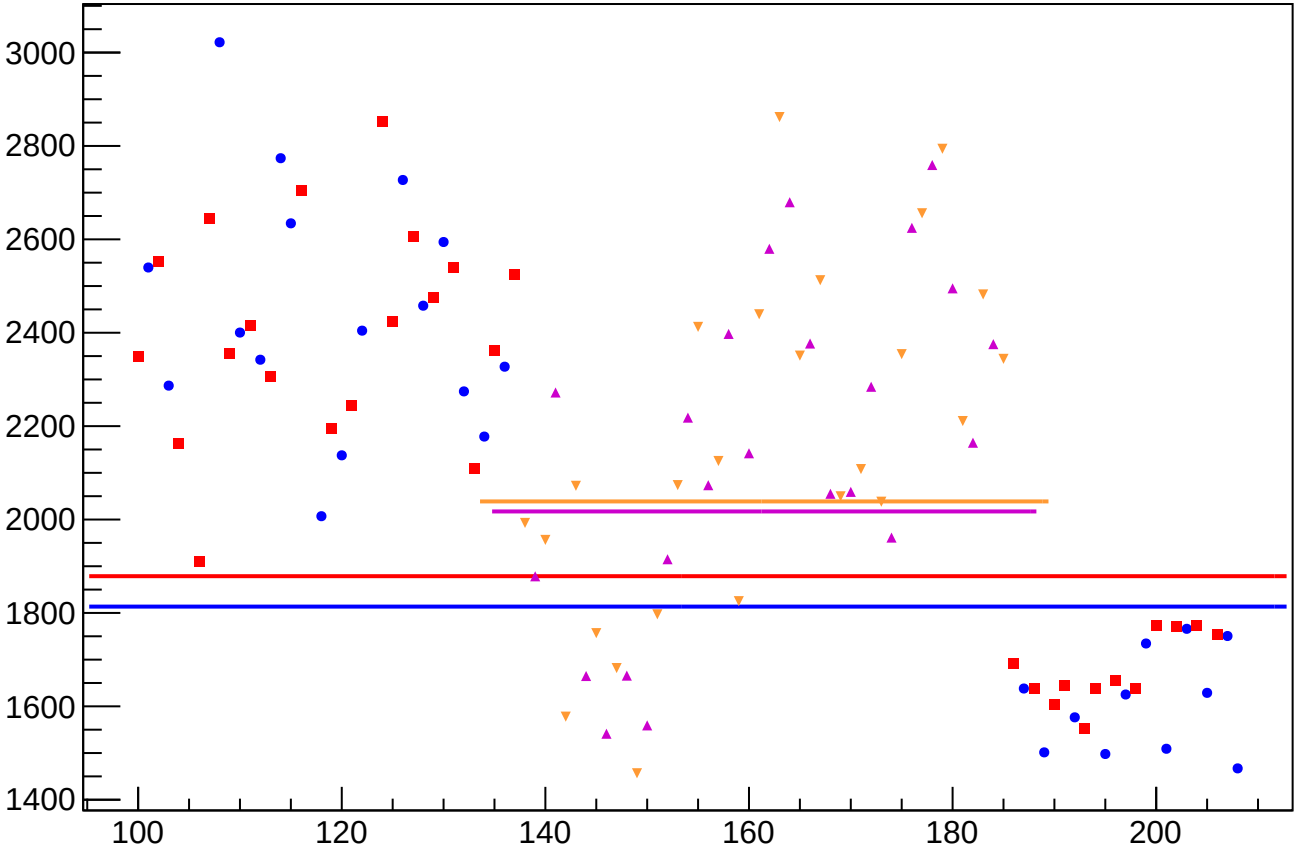
Right: 58.853+/-0.332 χ^2/NDF: 17316.3/57

In: 13.148+/-0.335 χ^2/NDF:59089.7/49

Out: 23.252+/-0.333 χ^2/NDF:9385.3/55

All: 18.231+/-0.236 χ^2/NDF: 68932.0/105

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1813.576+/-0.331 χ^2/NDF: 1285664.2/26

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1878.699+/-0.333 χ^2/NDF: 978753.3/30

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

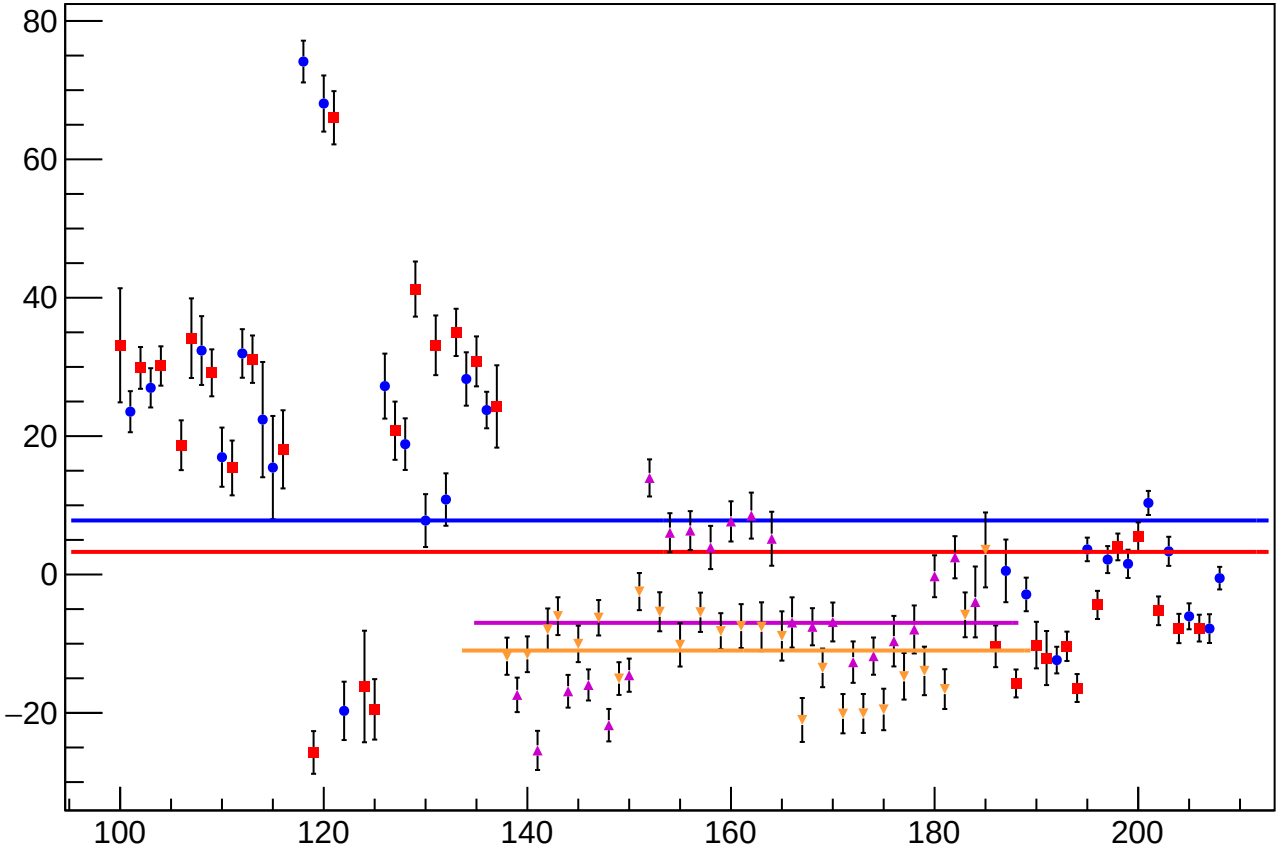
Right: 1845.916+/-0.235 χ^2/NDF: 2283674.6/57

In: 1912.613+/-0.237 χ^2/NDF:2520217.2/49

Out: 1958.629+/-0.236 χ^2/NDF:2217687.2/55

All: 1935.764+/-0.167 χ^2/NDF: 4756858.8/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 7.809+/-0.505 χ^2/NDF: 1291.0/26

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 3.268+/-0.522 χ^2/NDF: 1437.2/30

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

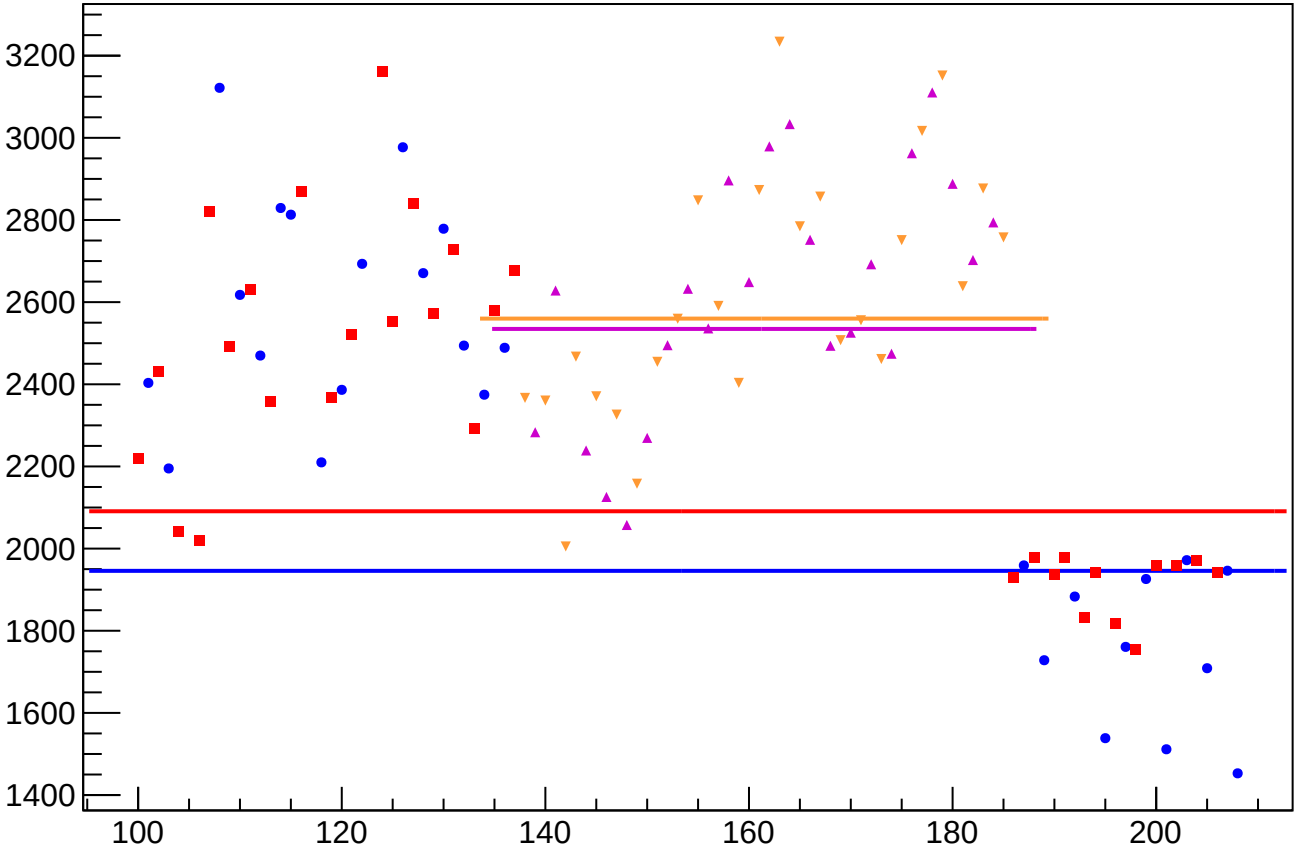
Right: 5.616+/-0.363 χ^2/NDF: 2767.3/57

In: 1.659+/-0.386 χ^2/NDF:1987.5/49

Out: -3.045+/-0.390 χ^2/NDF:1854.5/55

All: -0.669+/-0.274 χ^2/NDF: 3915.5/105

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1945.825+/-0.357 χ^2/NDF: 1328322.7/26

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2090.885+/-0.369 χ^2/NDF: 661779.0/30

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

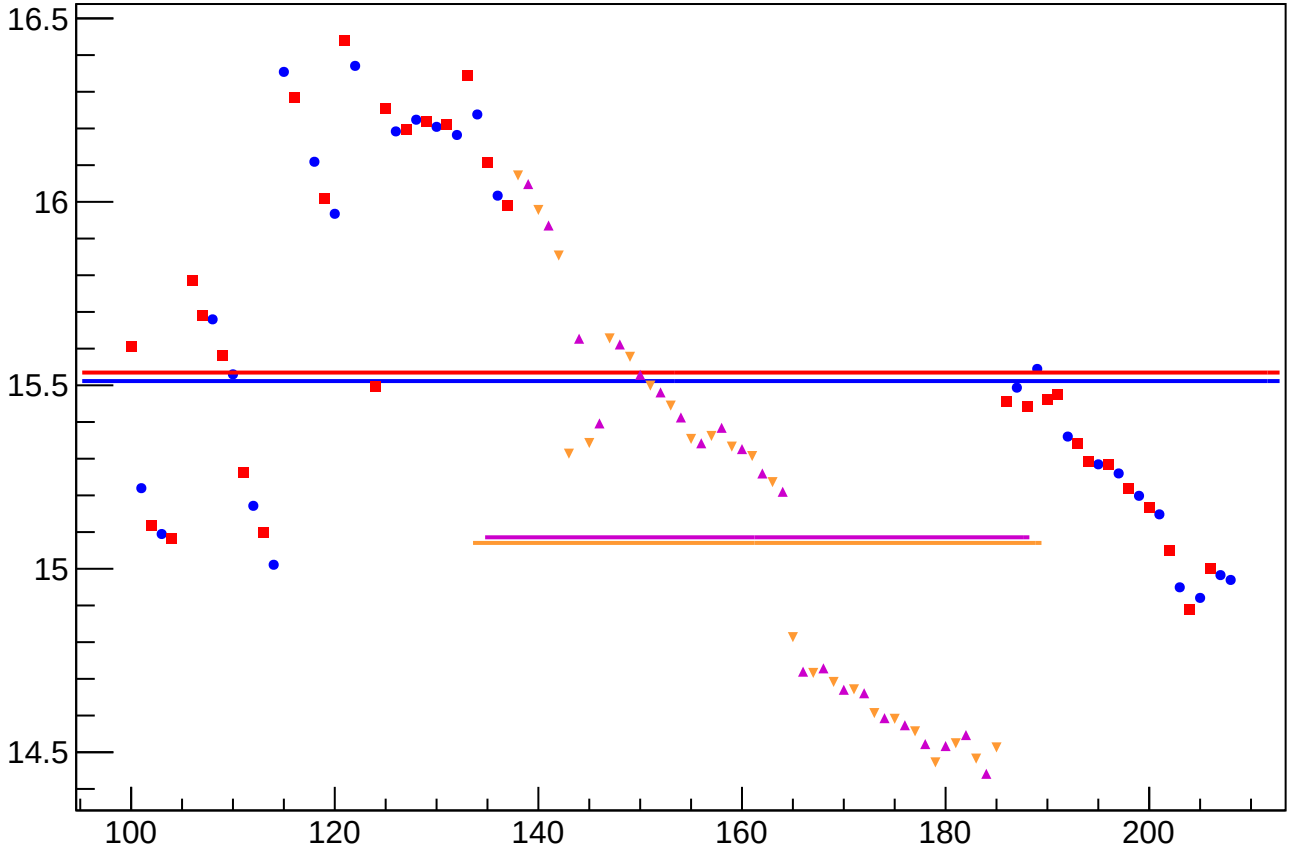
Right: 2015.872+/-0.257 χ^2/NDF: 2069840.2/57

In: 2190.680+/-0.273 χ^2/NDF:2923622.7/49

Out: 2298.635+/-0.276 χ^2/NDF:1826046.1/55

All: 2244.095+/-0.194 χ^2/NDF: 4827119.6/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.512+/-0.000 χ^2/NDF: 21607368460.4/26

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.535+/-0.000 χ^2/NDF: 18141443816.0/30

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

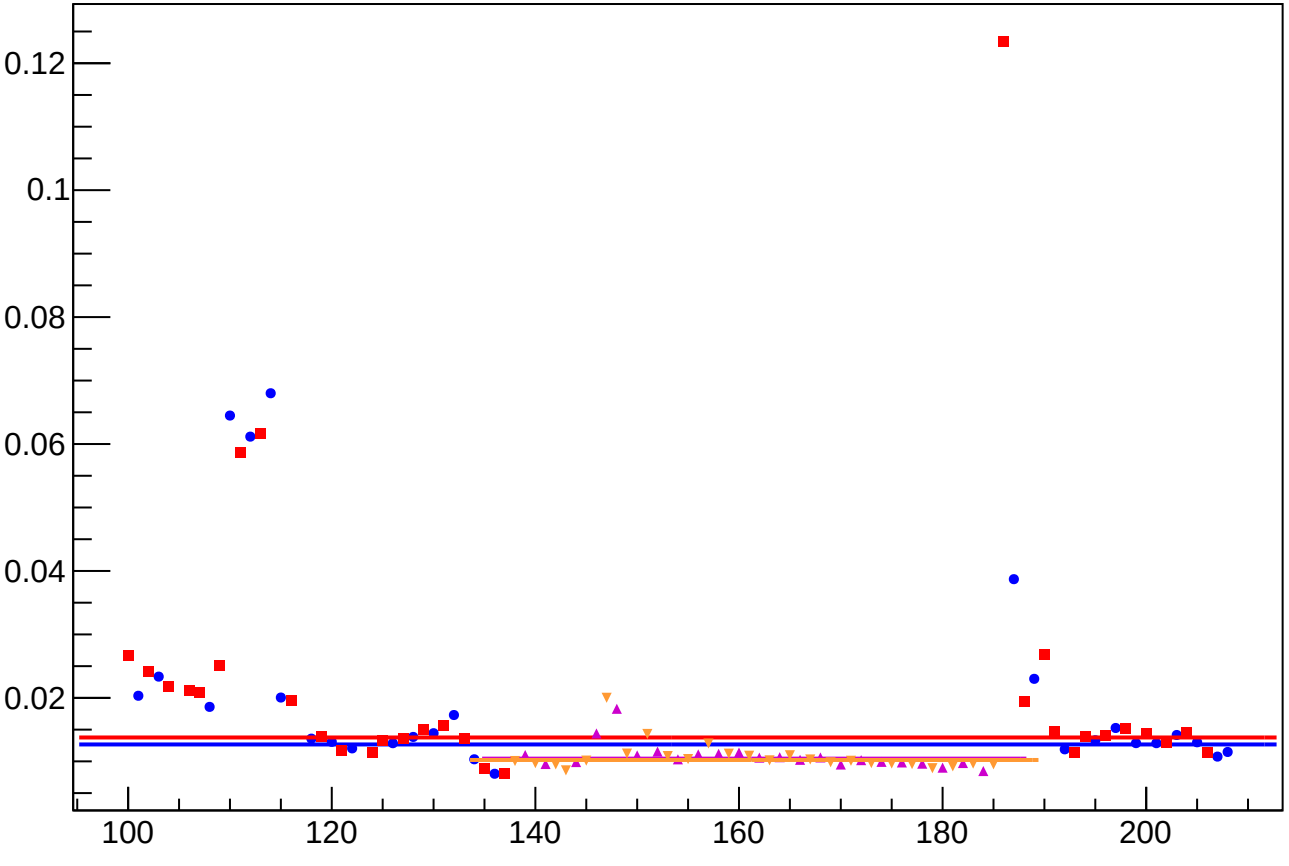
Right: 15.522+/-0.000 χ^2/NDF: 39769921979.2/57

In: 15.234+/-0.000 χ^2/NDF:71092342535.9/49

Out: 15.208+/-0.000 χ^2/NDF:72956791595.2/55

All: 15.221+/-0.000 χ^2/NDF: 144133409064.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2835628.6/26

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3340044.5/30

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

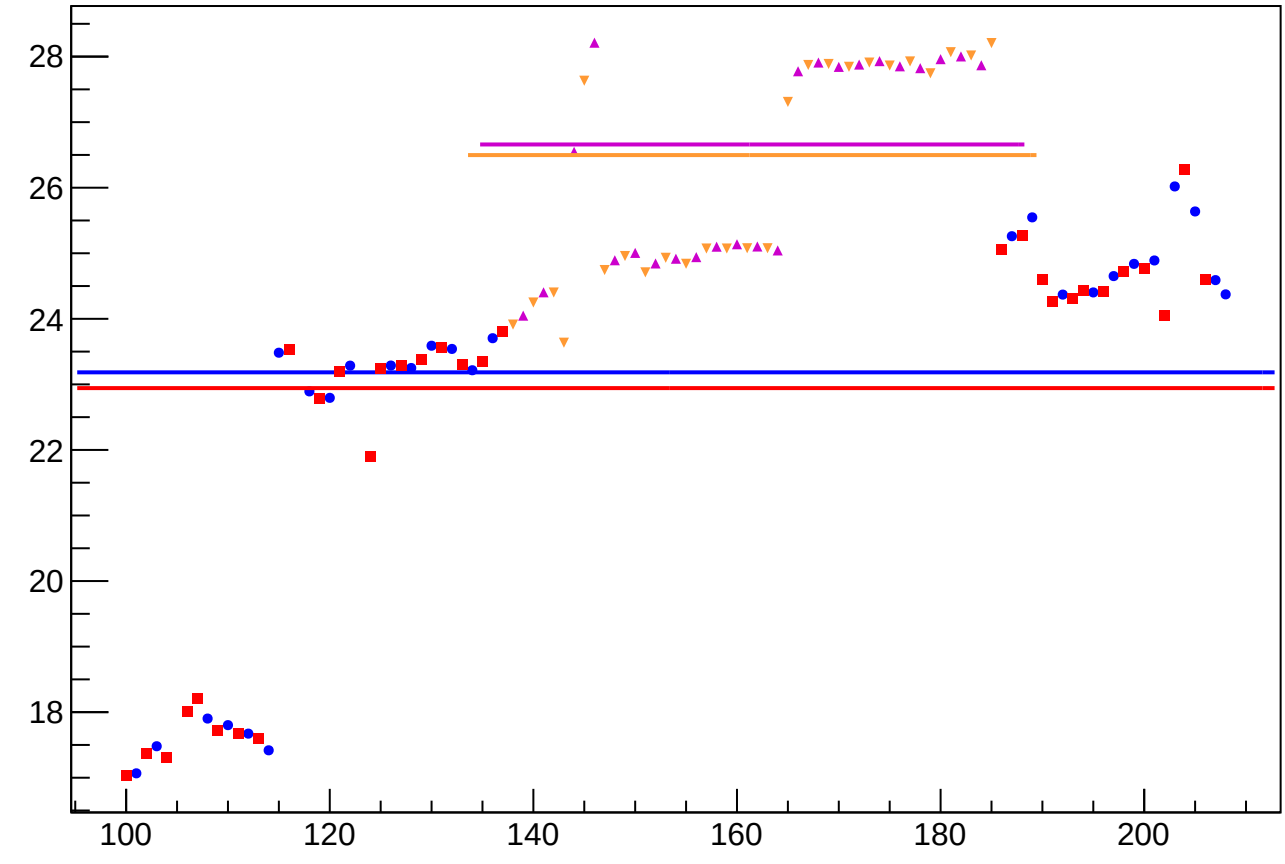
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6270360.5/57

In: 0.011+/-0.000 χ^2/NDF:3983815.9/49

Out: 0.011+/-0.000 χ^2/NDF:5394766.3/55

All: 0.011+/-0.000 χ^2/NDF: 9379451.8/105



Right In: 23.184+/-0.000 χ^2/NDF: 1593031263.1/26

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.943+/-0.000 χ^2/NDF: 1653544160.0/30

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

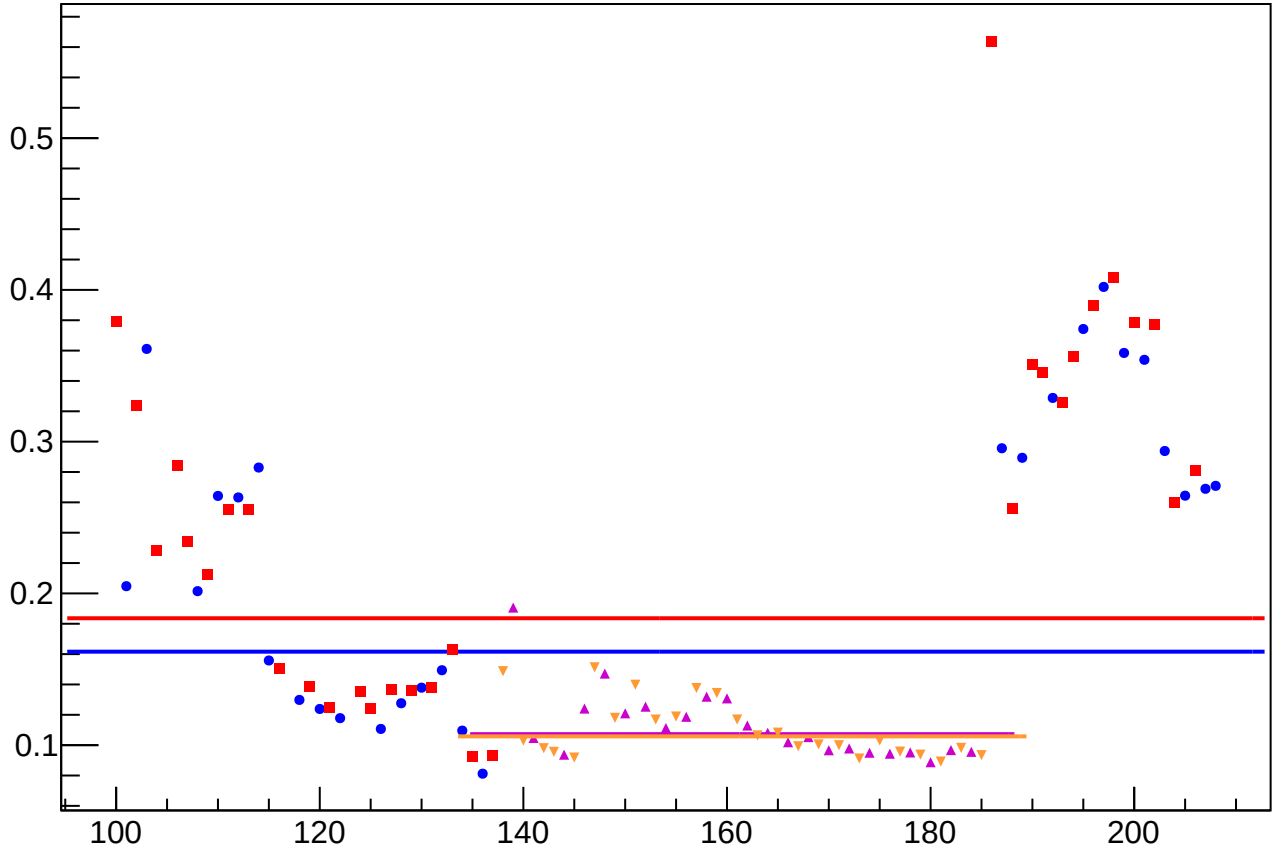
Right: 23.074+/-0.000 χ^2/NDF: 3257925722.9/57

In: 25.825+/-0.000 χ^2/NDF:8427211842.0/49

Out: 25.802+/-0.000 χ^2/NDF:9230912585.2/55

All: 25.813+/-0.000 χ^2/NDF: 17658599315.5

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.162+/-0.000 χ^2/NDF: 6725610.8/26

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.184+/-0.000 χ^2/NDF: 6211032.9/30

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

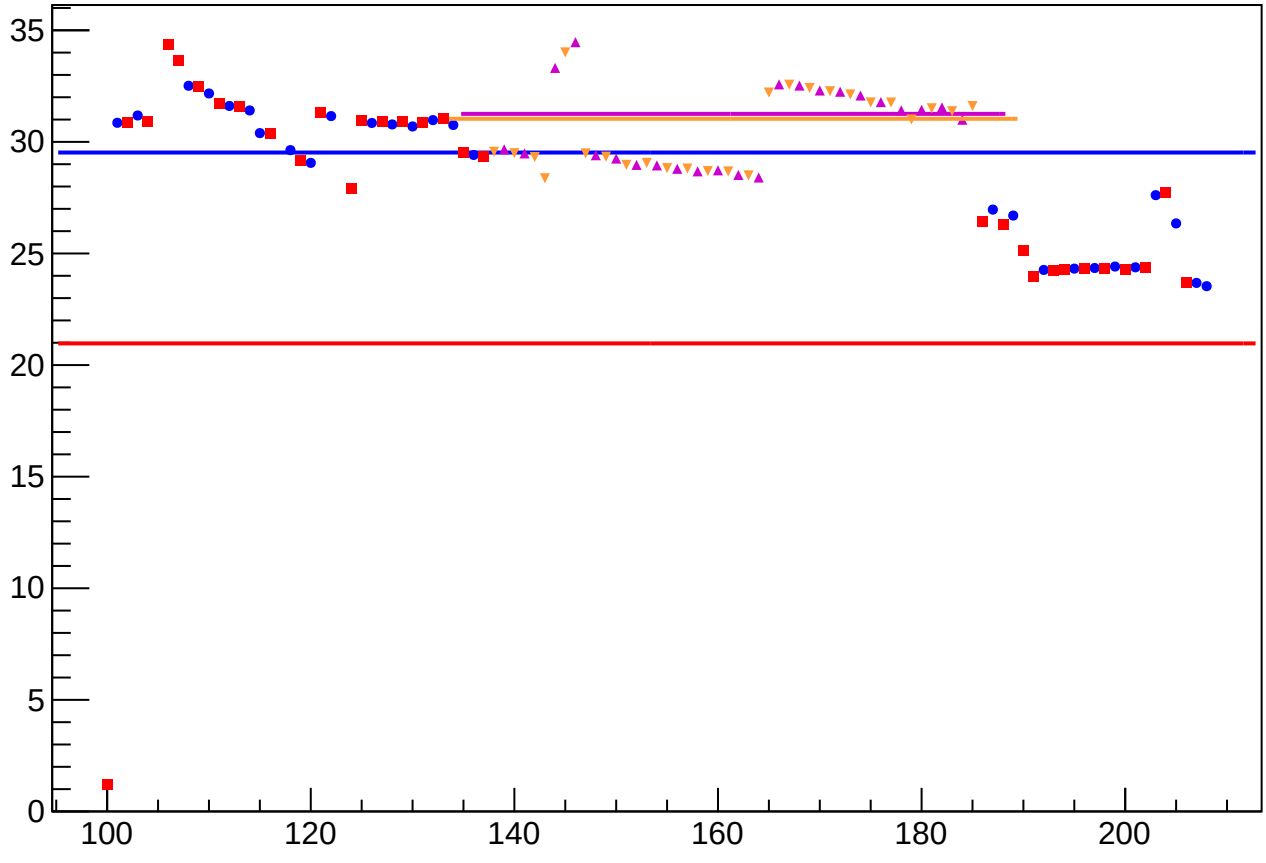
Right: 0.172+/-0.000 χ^2/NDF: 13126903.2/57

In: 0.120+/-0.000 χ^2/NDF:9514729.5/49

Out: 0.121+/-0.000 χ^2/NDF:10485071.6/55

All: 0.121+/-0.000 χ^2/NDF: 20000710.8/105

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.523+/-0.000 χ^2/NDF: 5518051395.6/26

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.971+/-0.000 χ^2/NDF: 225810659227.2/30

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

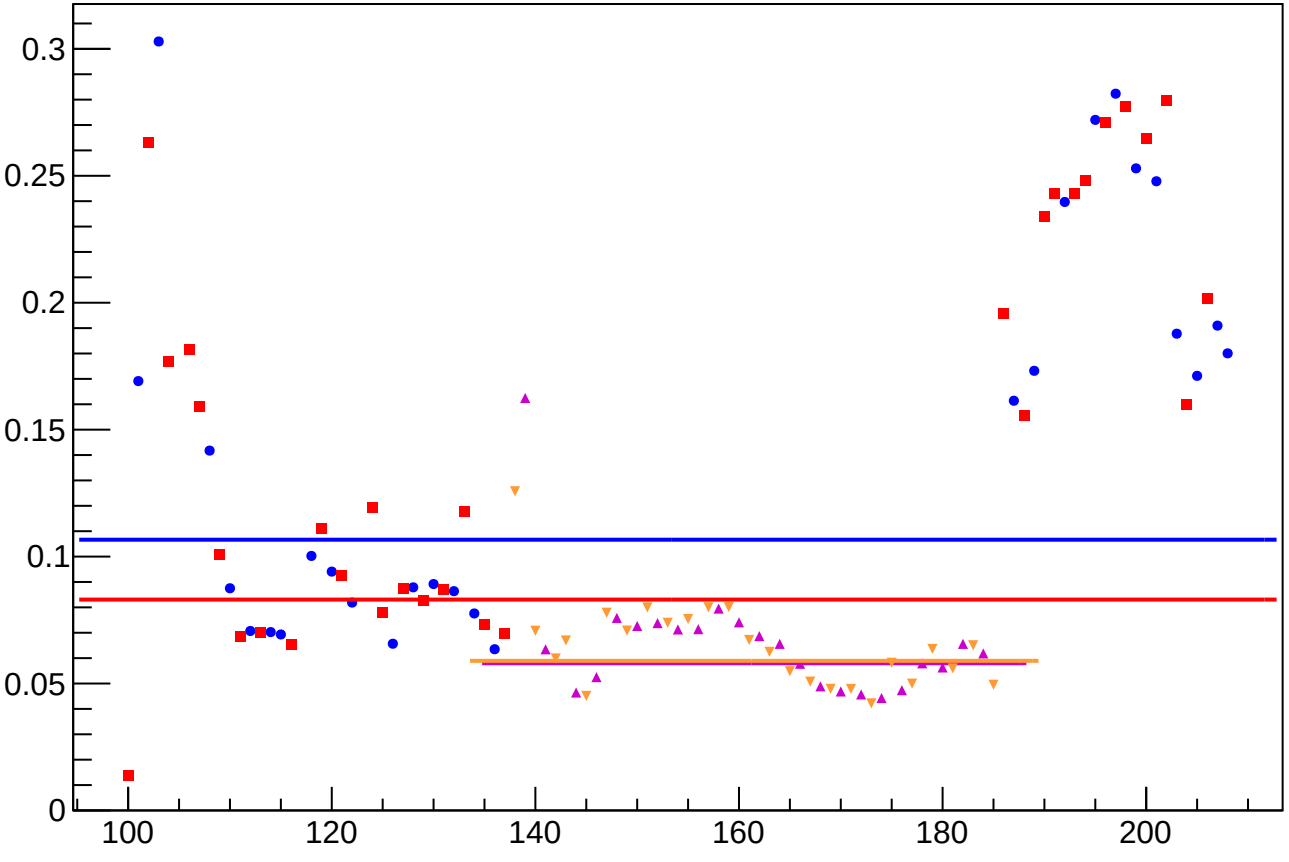
Right: 24.650+/-0.000 χ^2/NDF: 271404123218.3/57

In: 30.928+/-0.000 χ^2/NDF:20449275418.2/49

Out: 28.728+/-0.000 χ^2/NDF:337143089024.2/55

All: 29.780+/-0.000 χ^2/NDF: 370449338871.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.107+/-0.000 χ^2/NDF: 6437083.9/26

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.083+/-0.000 χ^2/NDF: 11943009.7/30

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

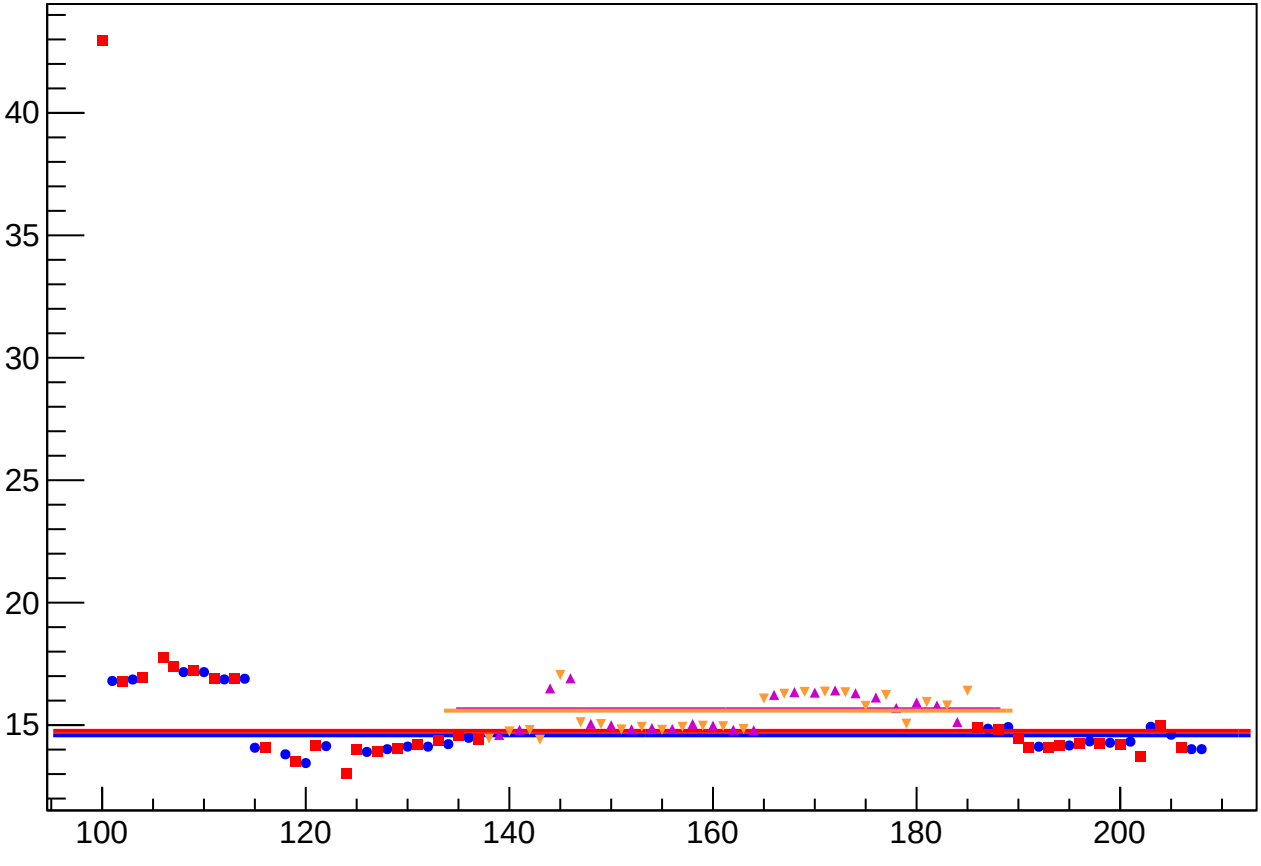
Right: 0.093+/-0.000 χ^2/NDF: 18989825.0/57

In: 0.067+/-0.000 χ^2/NDF:11848143.1/49

Out: 0.064+/-0.000 χ^2/NDF:14622119.1/55

All: 0.066+/-0.000 χ^2/NDF: 26509292.8/105

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.584+/-0.000 χ^2/NDF: 1237401326.8/26

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.765+/-0.000 χ^2/NDF: 1805734463.6/30

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

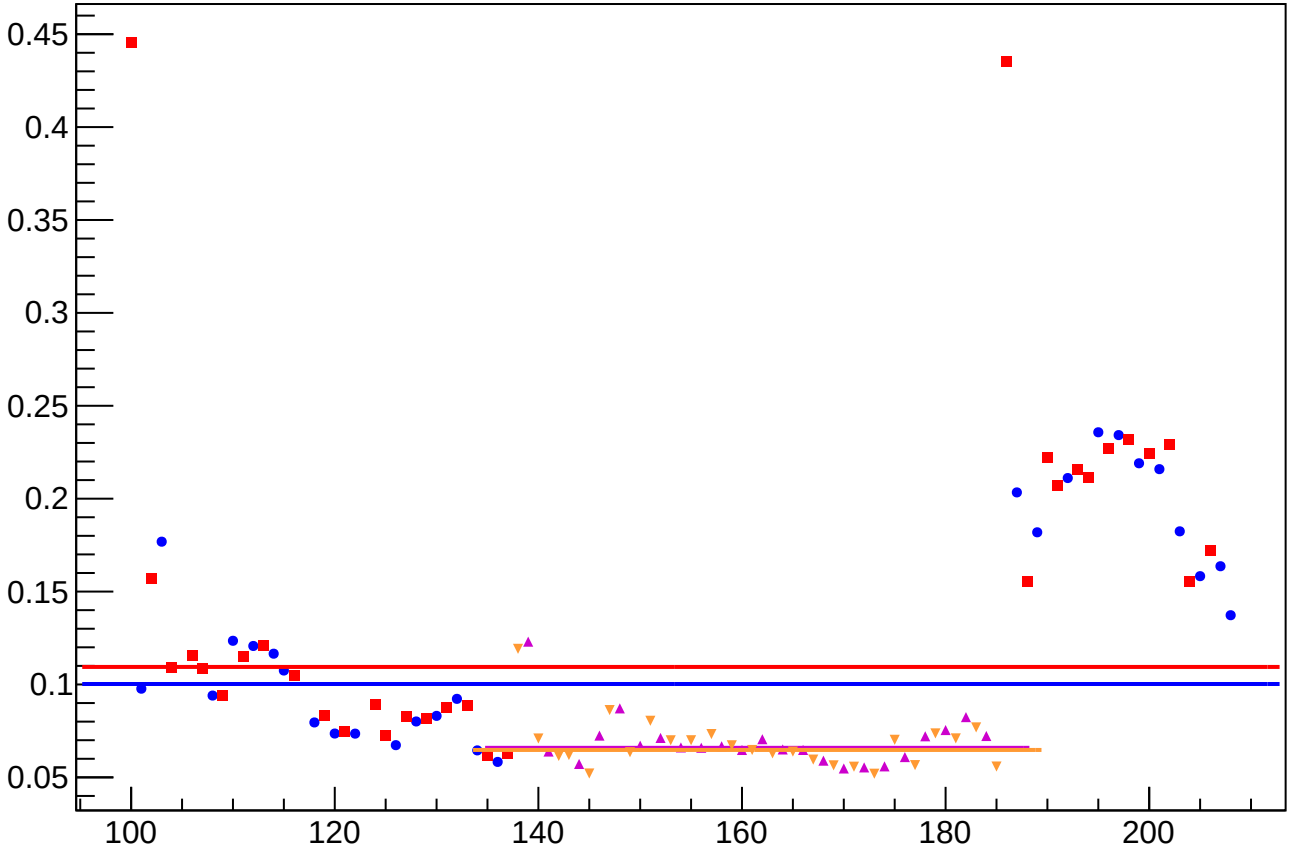
Right: 14.669+/-0.000 χ^2/NDF: 3061171687.0/57

In: 15.382+/-0.000 χ^2/NDF:4092726856.8/49

Out: 15.417+/-0.000 χ^2/NDF:4624452467.1/55

All: 15.400+/-0.000 χ^2/NDF: 8720197422.5/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.100+/-0.000 χ^2/NDF: 5568173.5/26

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.109+/-0.000 χ^2/NDF: 5535201.4/30

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

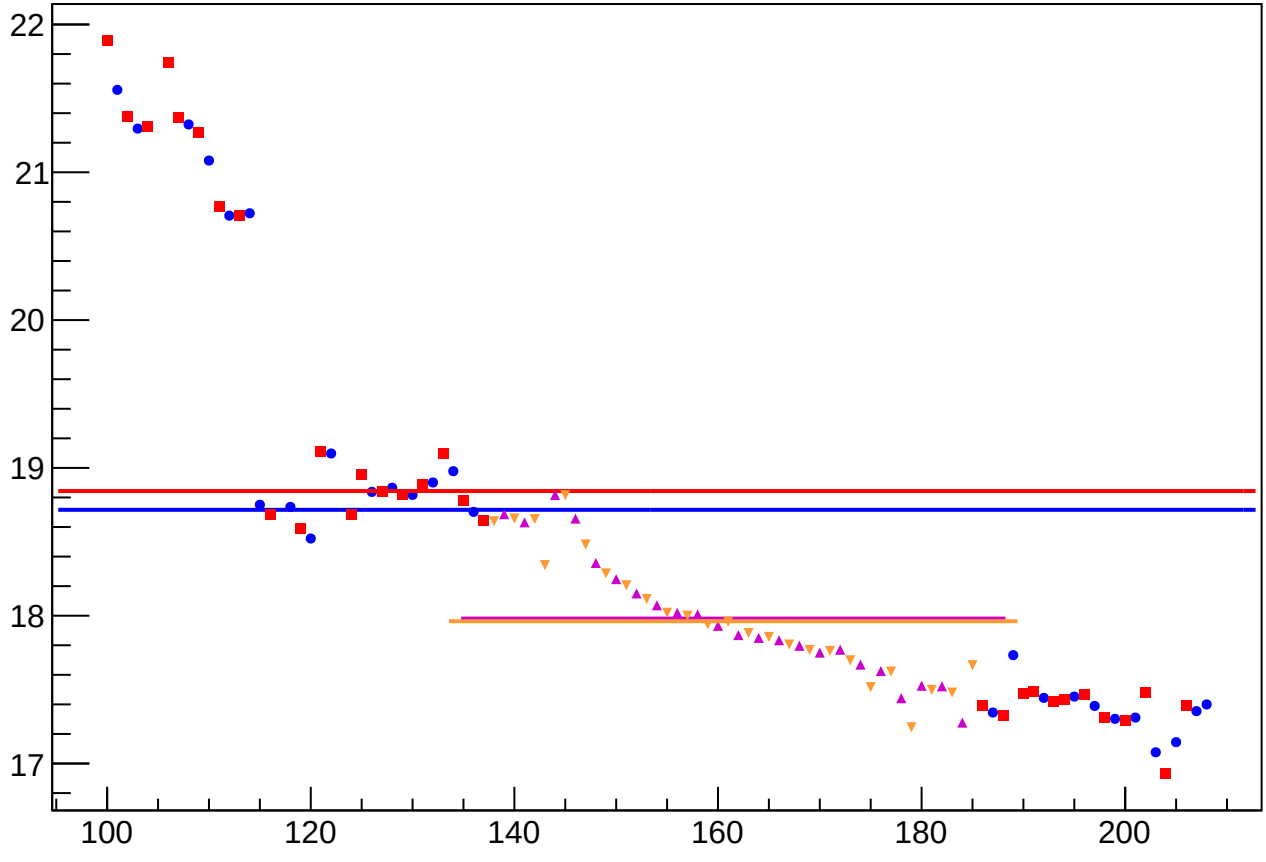
Right: 0.105+/-0.000 χ^2/NDF: 11196650.1/57

In: 0.074+/-0.000 χ^2/NDF:8448444.1/49

Out: 0.074+/-0.000 χ^2/NDF:9672785.5/55

All: 0.074+/-0.000 χ^2/NDF: 18121530.7/105

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.716+/-0.000 χ^2/NDF: 33291816251.4/26

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.844+/-0.000 χ^2/NDF: 35153857714.3/30

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

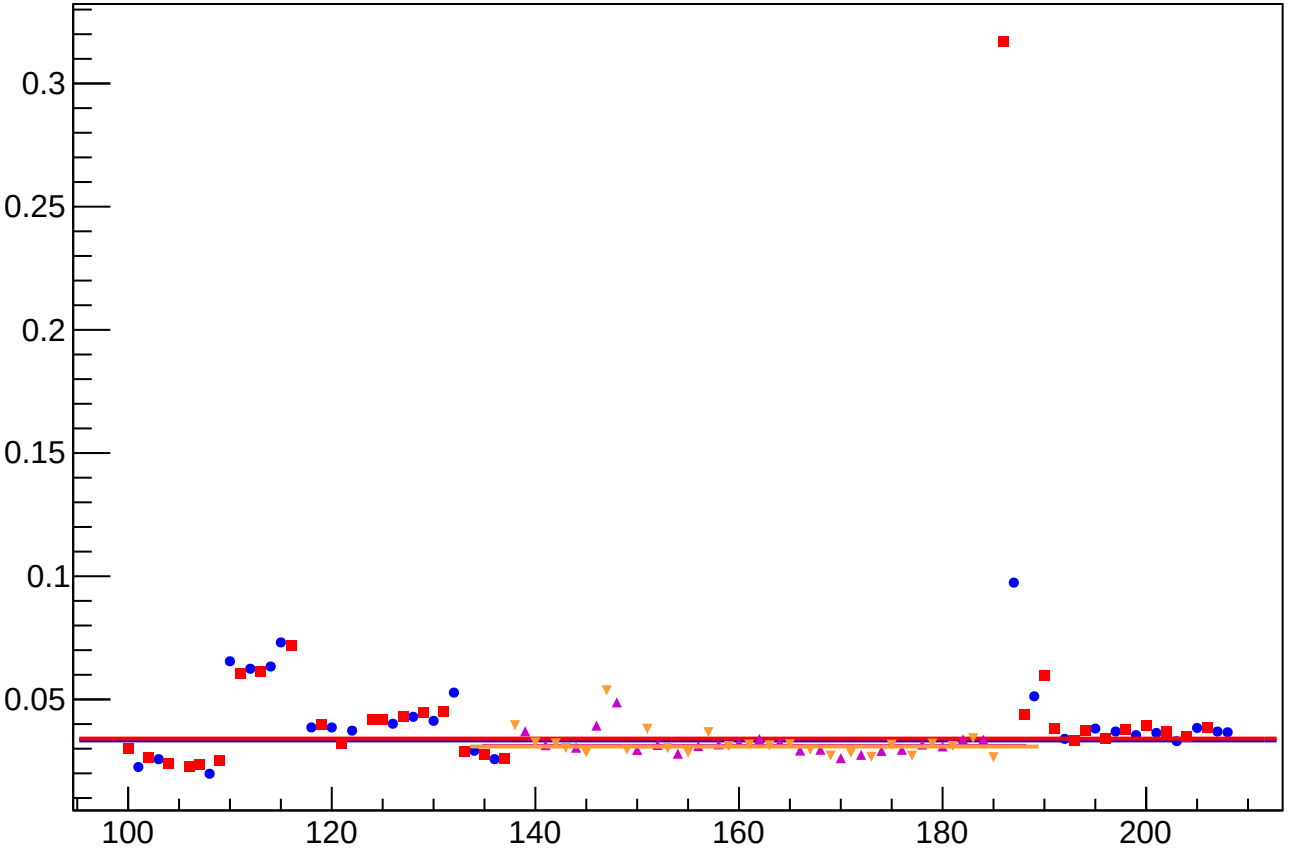
Right: 18.779+/-0.000 χ^2/NDF: 68545898677.4/57

In: 18.284+/-0.000 χ^2/NDF:39999420911.0/49

Out: 18.307+/-0.000 χ^2/NDF:44008941472.4/55

All: 18.295+/-0.000 χ^2/NDF: 84016648370.9

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1963413.6/26

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2265603.4/30

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

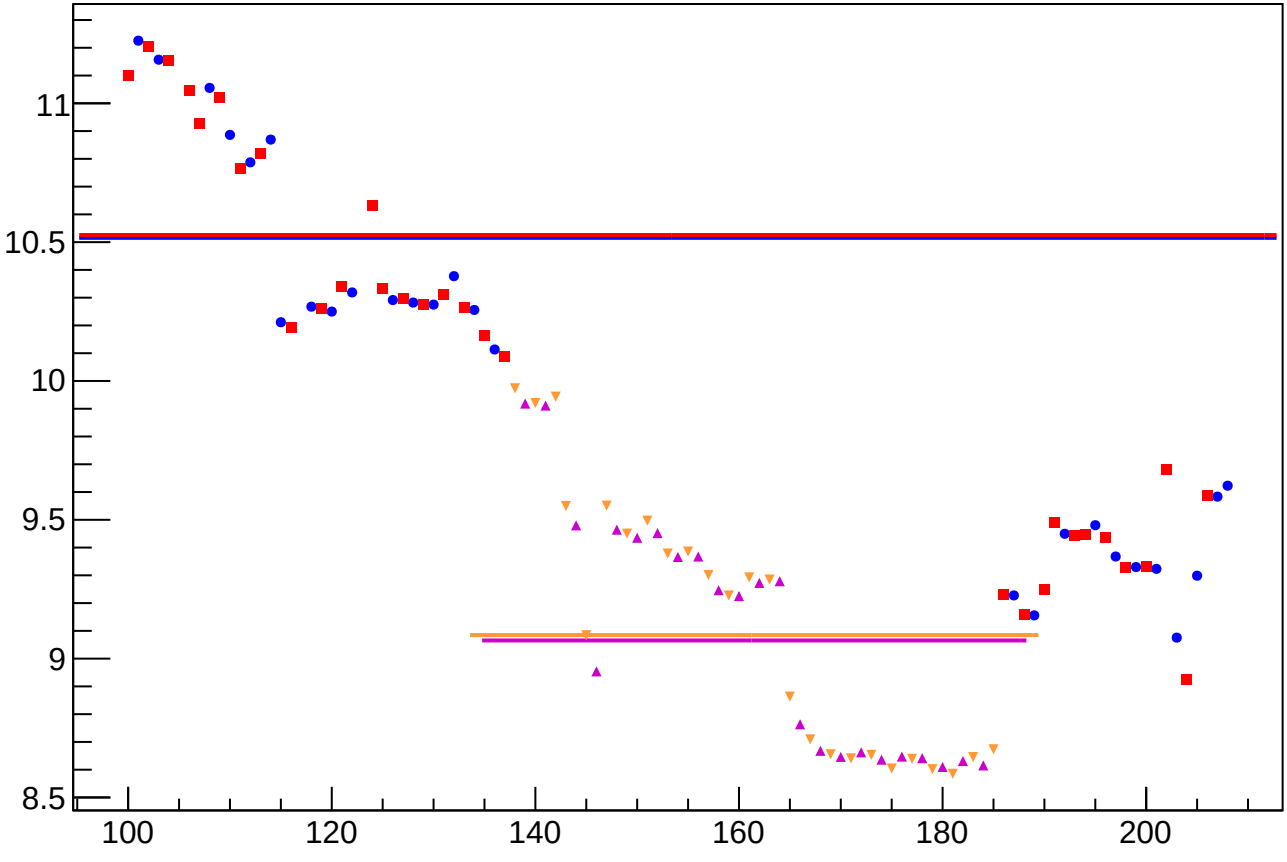
Right: 0.034+/-0.000 χ^2/NDF: 4235572.2/57

In: 0.032+/-0.000 χ^2/NDF:2519955.7/49

Out: 0.032+/-0.000 χ^2/NDF:3053548.5/55

All: 0.032+/-0.000 χ^2/NDF: 5573731.8/105

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.516+/-0.000 χ^2/NDF: 14099437502.7/26

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.526+/-0.000 χ^2/NDF: 12590691685.6/30

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

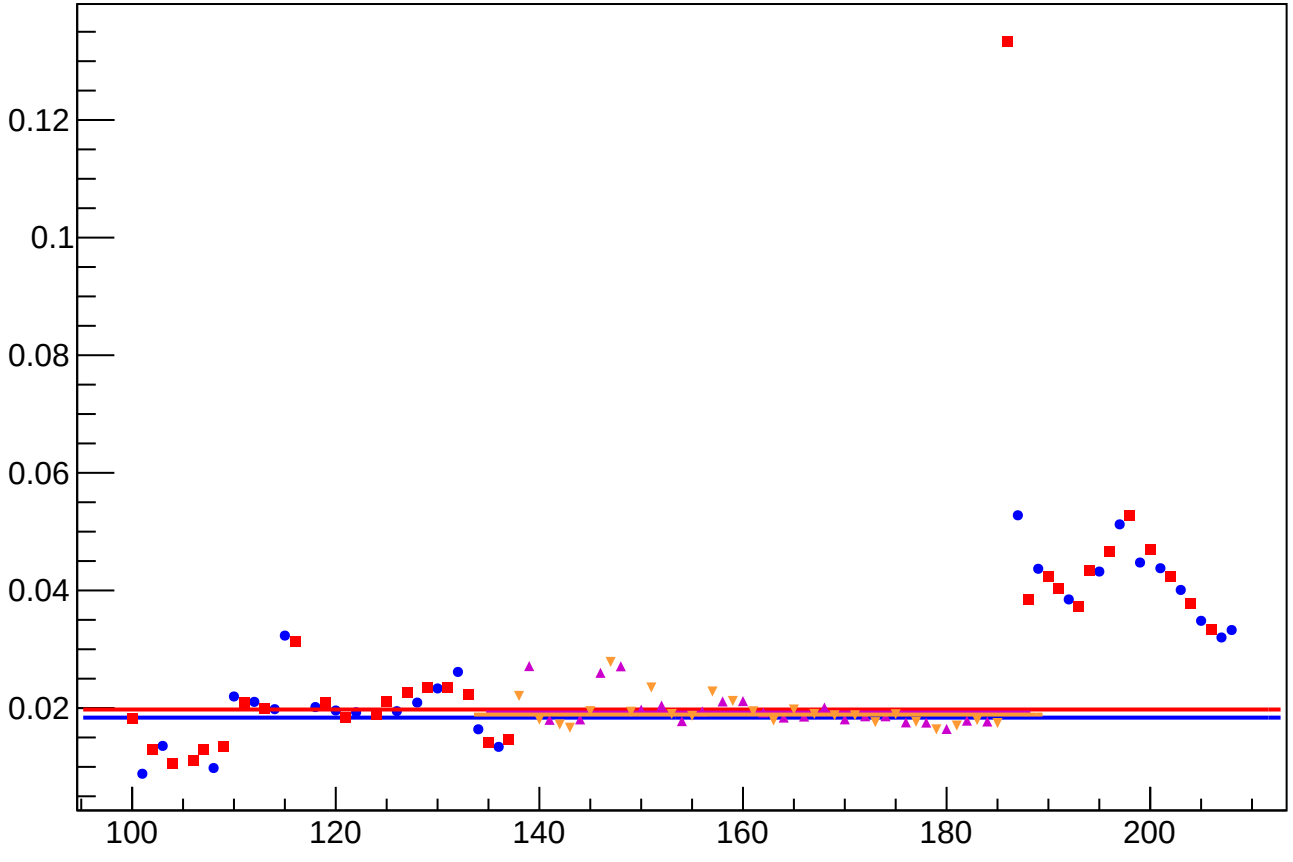
Right: 10.520+/-0.000 χ^2/NDF: 26691728112.8/57

In: 9.681+/-0.000 χ^2/NDF:62144505606.6/49

Out: 9.636+/-0.000 χ^2/NDF:61928407354.3/55

All: 9.658+/-0.000 χ^2/NDF: 124152552871.8

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 7294451.9/26

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7139267.1/30

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

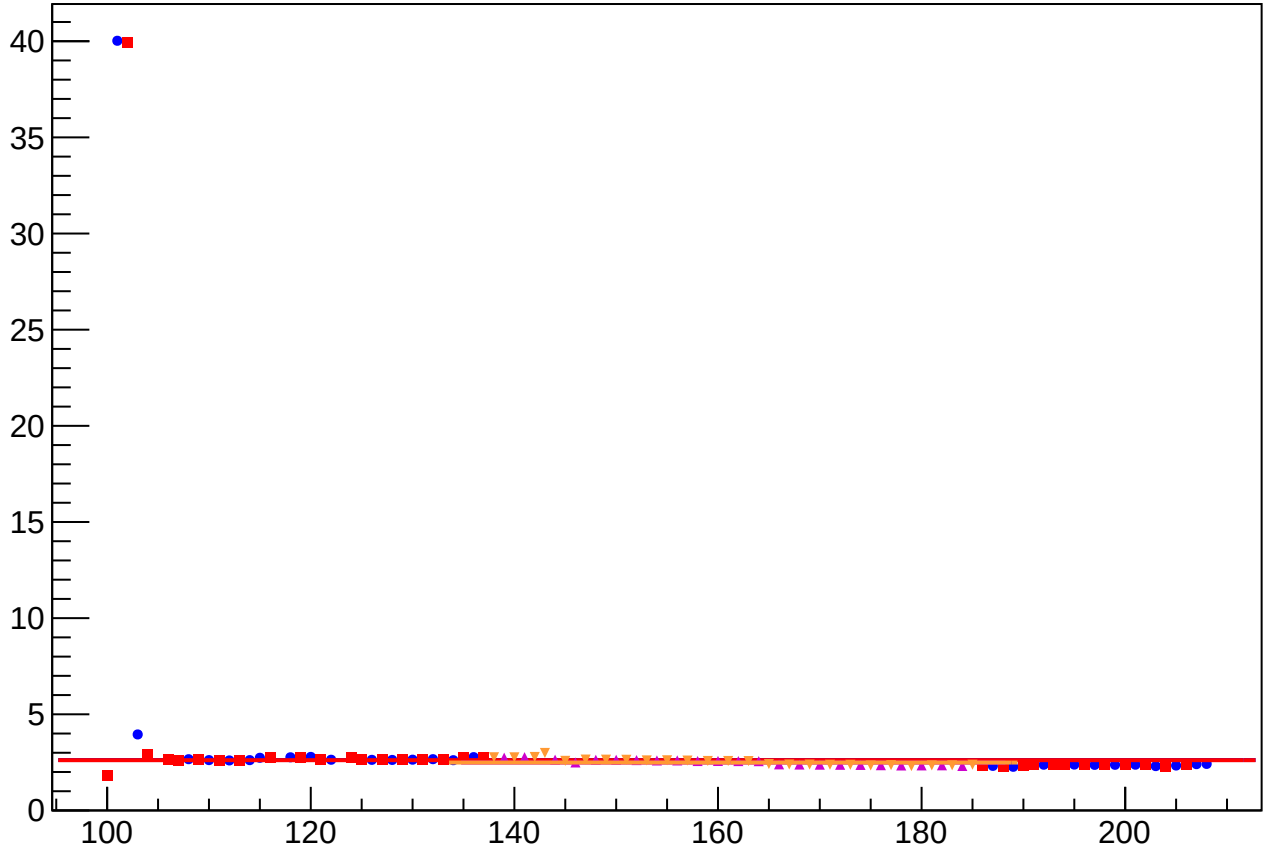
Right: 0.019+/-0.000 χ^2/NDF: 14494230.9/57

In: 0.019+/-0.000 χ^2/NDF:7863206.4/49

Out: 0.019+/-0.000 χ^2/NDF:7608627.6/55

All: 0.019+/-0.000 χ^2/NDF: 15481826.6/105

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.623+/-0.000 χ^2/NDF: 85876376595.8/26

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.615+/-0.000 χ^2/NDF: 83298227683.5/30

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

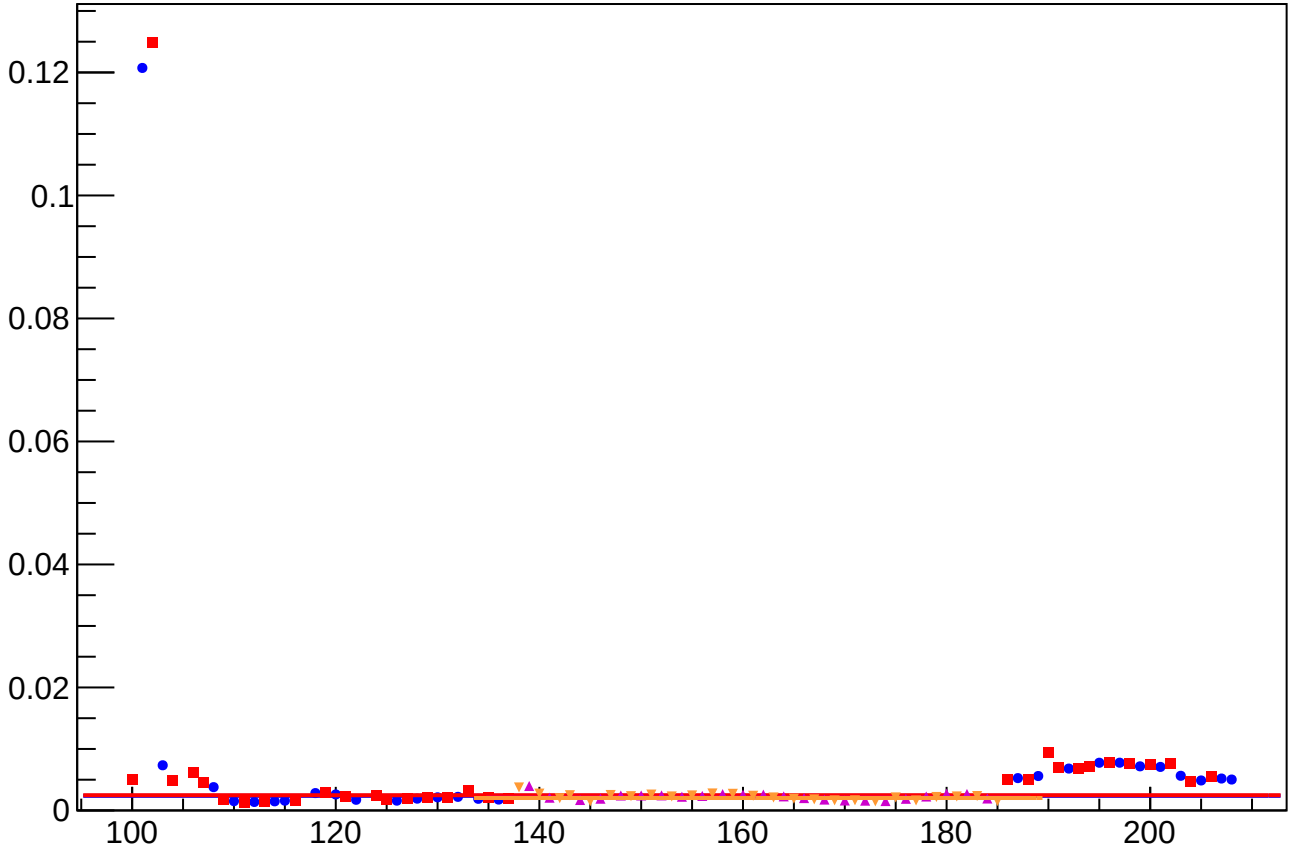
Right: 2.619+/-0.000 χ^2/NDF: 169229429646.0/57

In: 2.533+/-0.000 χ^2/NDF:167401861976.4/49

Out: 2.528+/-0.000 χ^2/NDF:192983730078.7/55

All: 2.530+/-0.000 χ^2/NDF: 360428851128.9

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9007528.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10071095.1/30

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

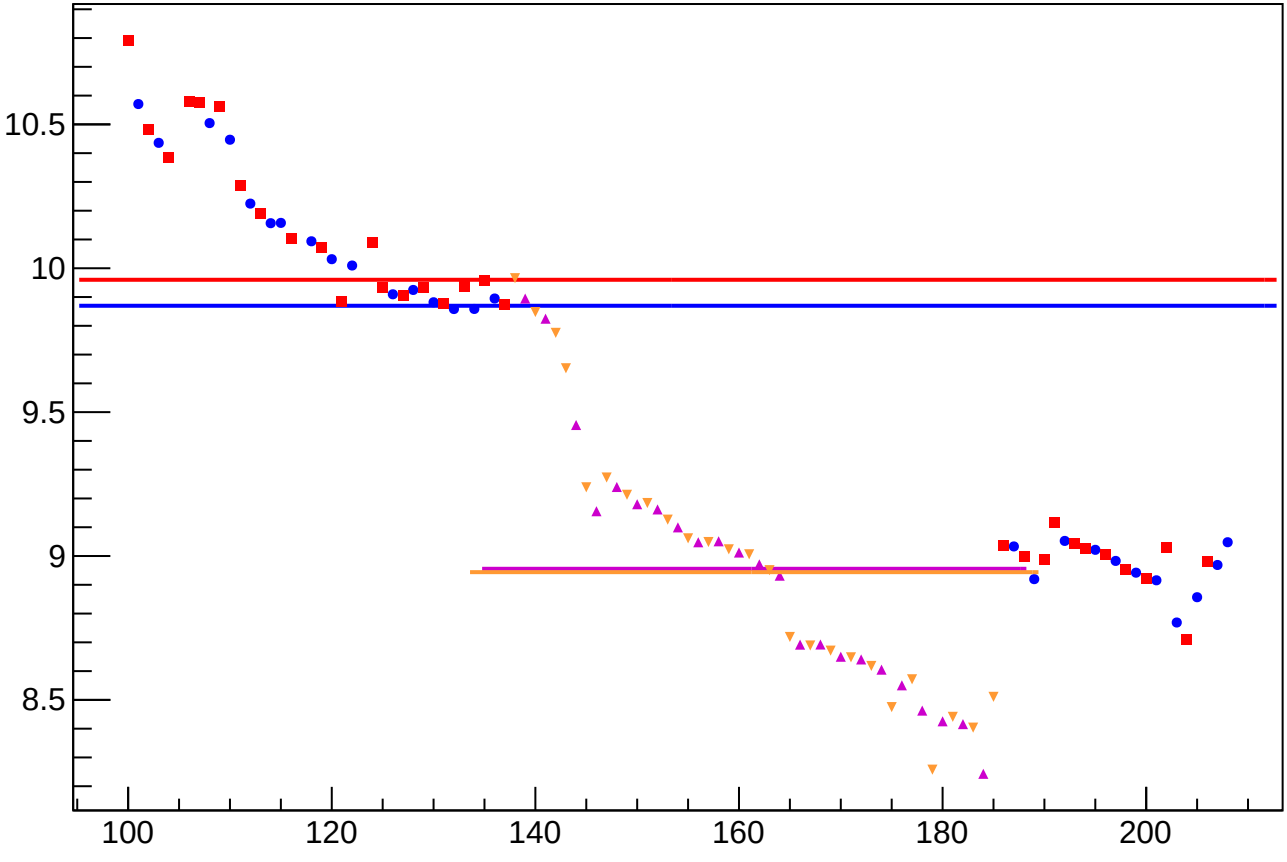
Right: 0.002+/-0.000 χ^2/NDF: 19094881.1/57

In: 0.002+/-0.000 χ^2/NDF:10627533.1/49

Out: 0.002+/-0.000 χ^2/NDF:12092017.3/55

All: 0.002+/-0.000 χ^2/NDF: 22719846.4/105

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.870+/-0.000 χ^2/NDF: 61887390220.1/26

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.960+/-0.000 χ^2/NDF: 59489456427.9/30

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

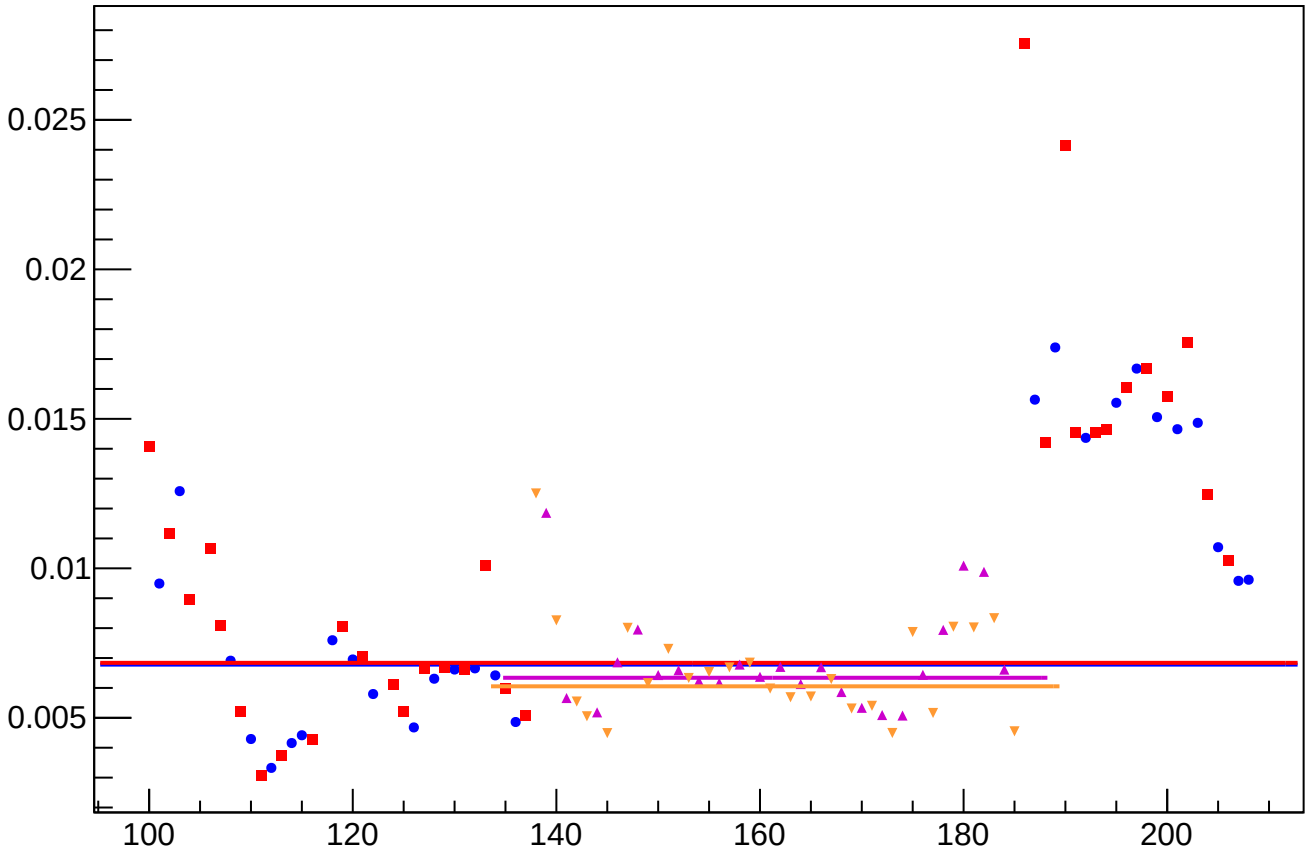
Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

Right: 9.914+/-0.000 χ^2/NDF: 122358641183.8/57

In: 9.323+/-0.000 χ^2/NDF:235121044080.6/49

Out: 9.314+/-0.000 χ^2/NDF:281820260688.8/55

All: 9.318+/-0.000 χ^2/NDF: 516969596392.1



Right In: 0.007+/-0.000 χ^2/NDF: 6253357.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7955913.7/30

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

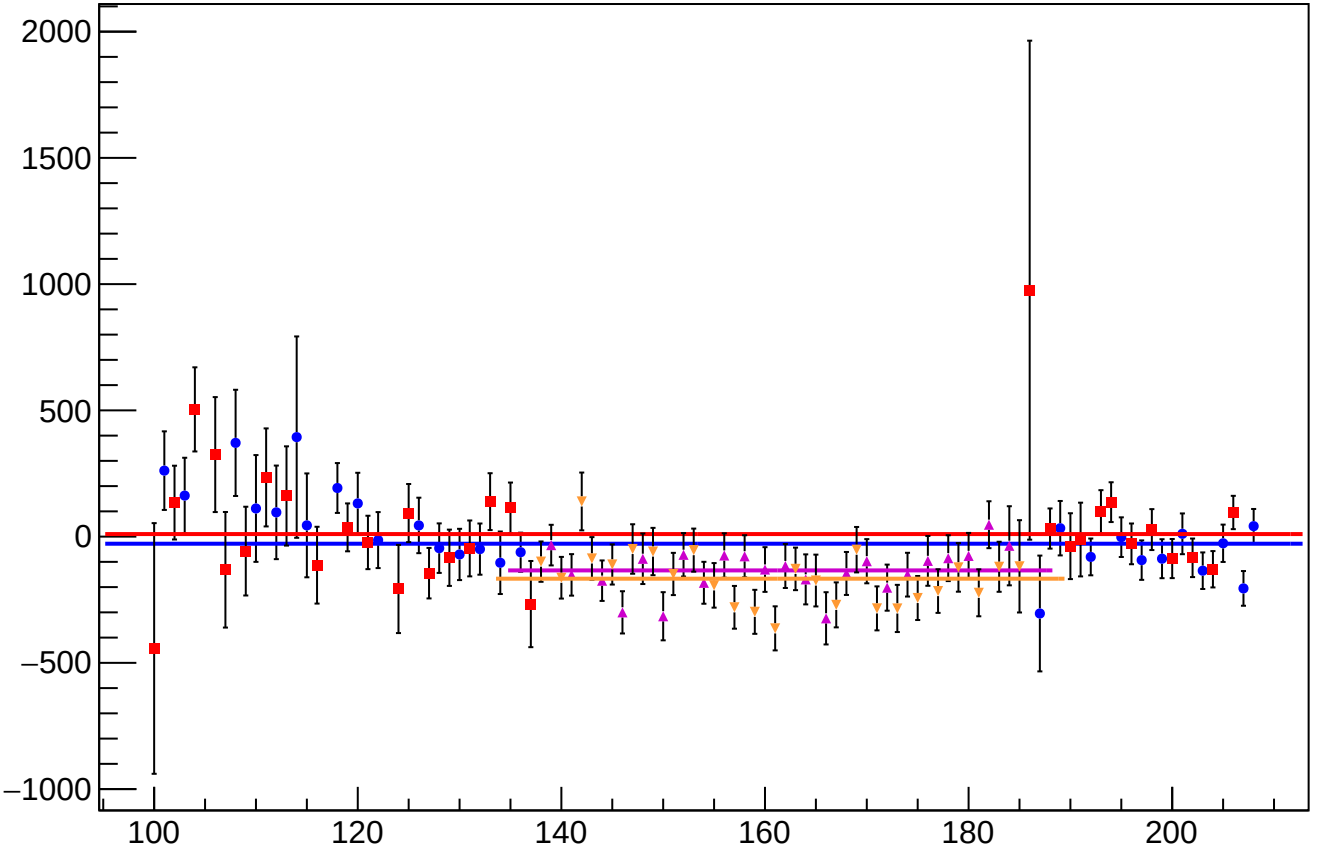
Right: 0.007+/-0.000 χ^2/NDF: 14210104.5/57

In: 0.007+/-0.000 χ^2/NDF:7485102.0/49

Out: 0.006+/-0.000 χ^2/NDF:9603747.4/55

All: 0.006+/-0.000 χ^2/NDF: 17108621.0/105

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 10.076+/-19.369 χ^2/NDF: 39.6/30

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

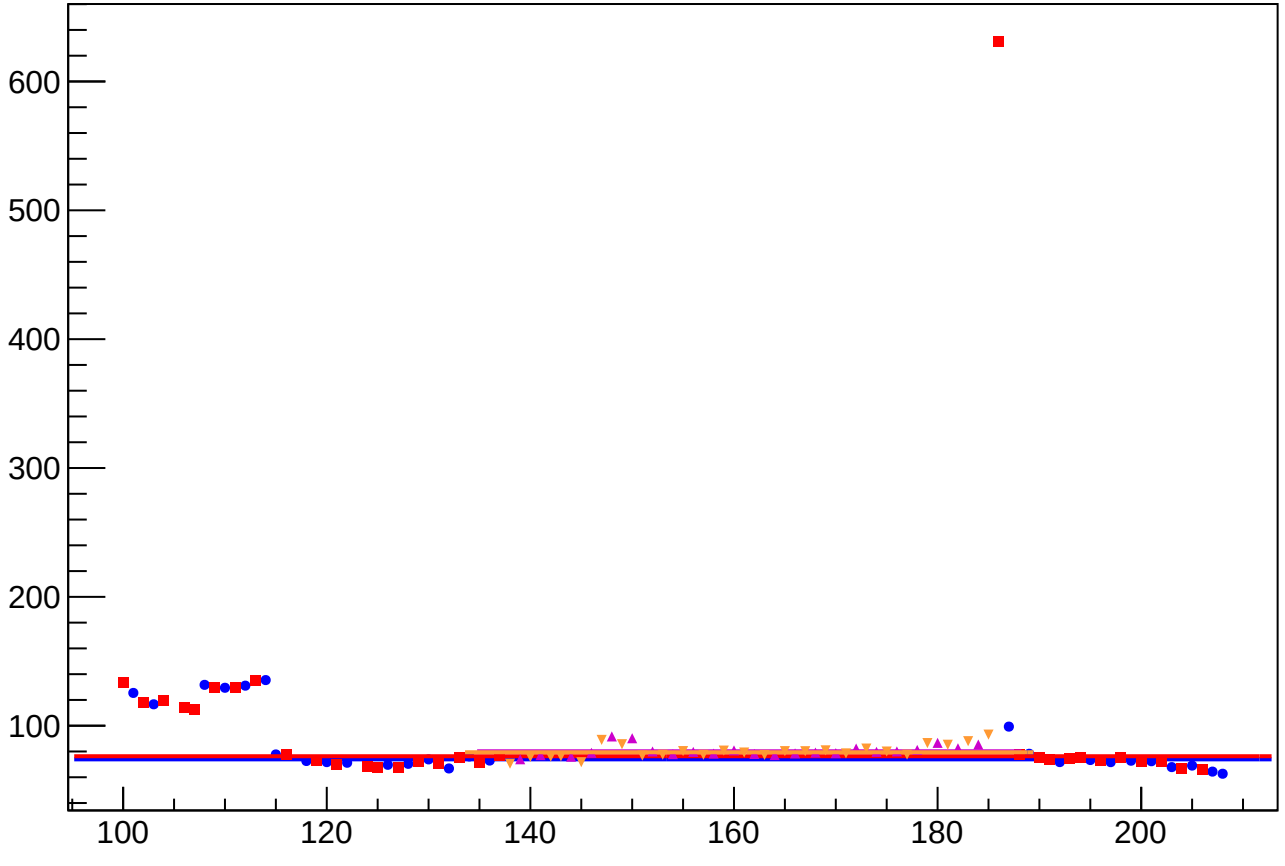
Right: -9.504+/-13.530 χ^2/NDF: 74.2/57

In: -81.426+/-13.315 χ^2/NDF:69.1/49

Out: -84.382+/-13.216 χ^2/NDF:115.8/55

All: -82.915+/-9.380 χ^2/NDF: 184.9/105

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.5/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 76.315+/-0.014 χ^2/NDF: 1726554.2/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

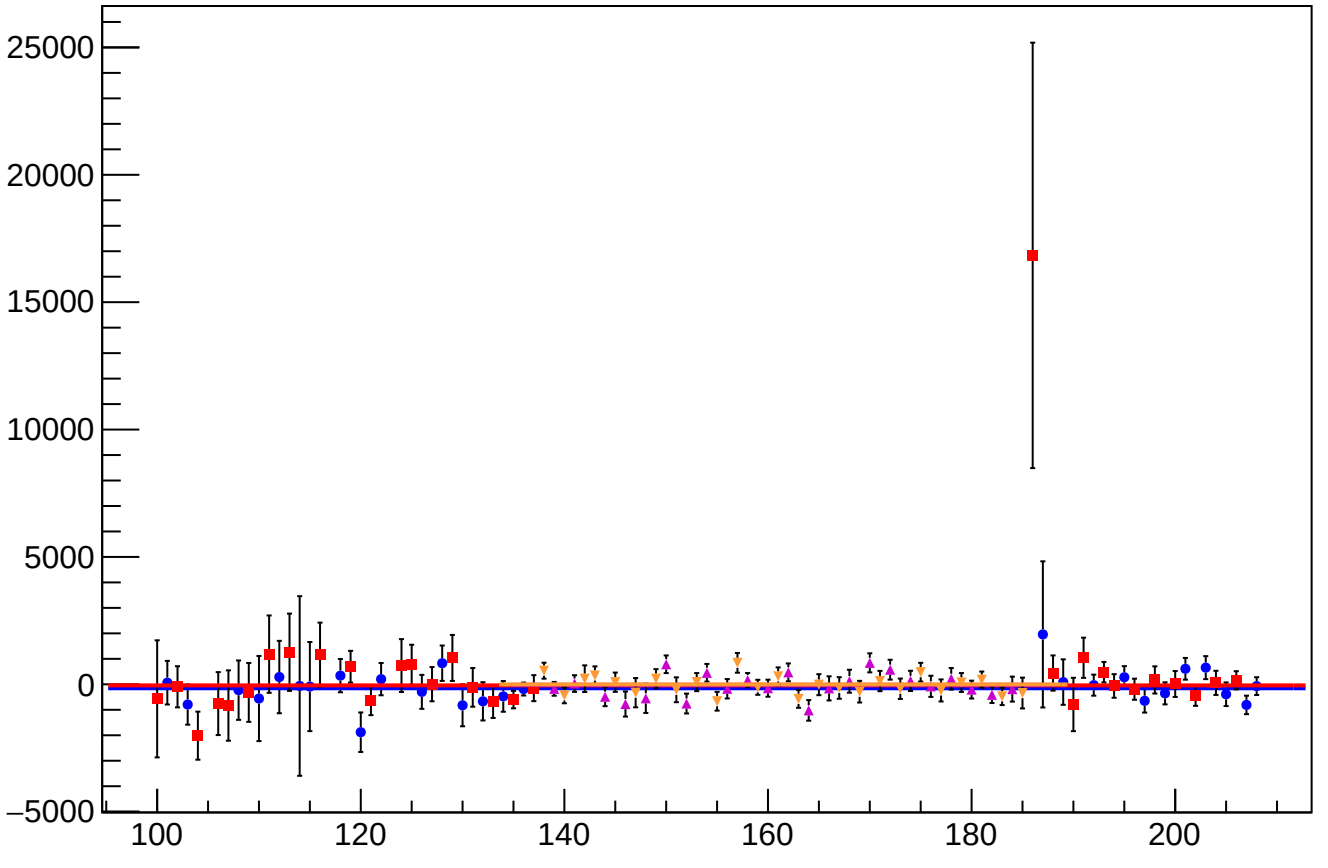
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 75.069+/-0.010 χ^2/NDF: 2817569.0/57

In: 77.046+/-0.009 χ^2/NDF:1277461.6/49

Out: 77.969+/-0.009 χ^2/NDF:1888646.0/55

All: 77.511+/-0.007 χ^2/NDF: 3170946.5/105



Right In: -155.453+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -42.216+/-110.611 χ^2/NDF: 27.0/30

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

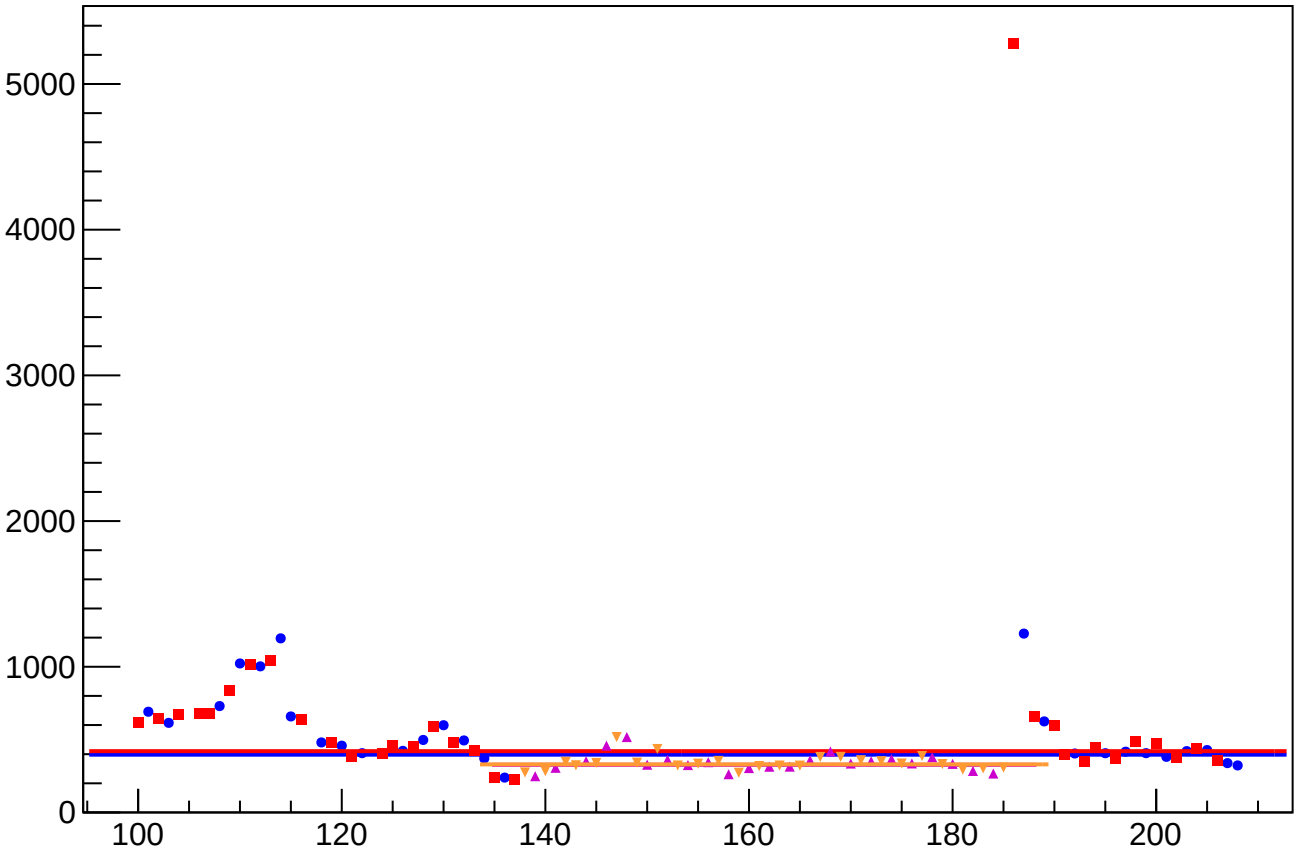
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -101.761+/-76.166 χ^2/NDF: 50.8/57

In: -67.327+/-62.383 χ^2/NDF:59.3/49

Out: -15.868+/-62.562 χ^2/NDF:51.1/55

All: -41.671+/-44.175 χ^2/NDF: 110.8/105



Right In: 396.674+/-0.074 χ^2/NDF: 2826354.6/26

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 420.709+/-0.078 χ^2/NDF: 3592640.0/30

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

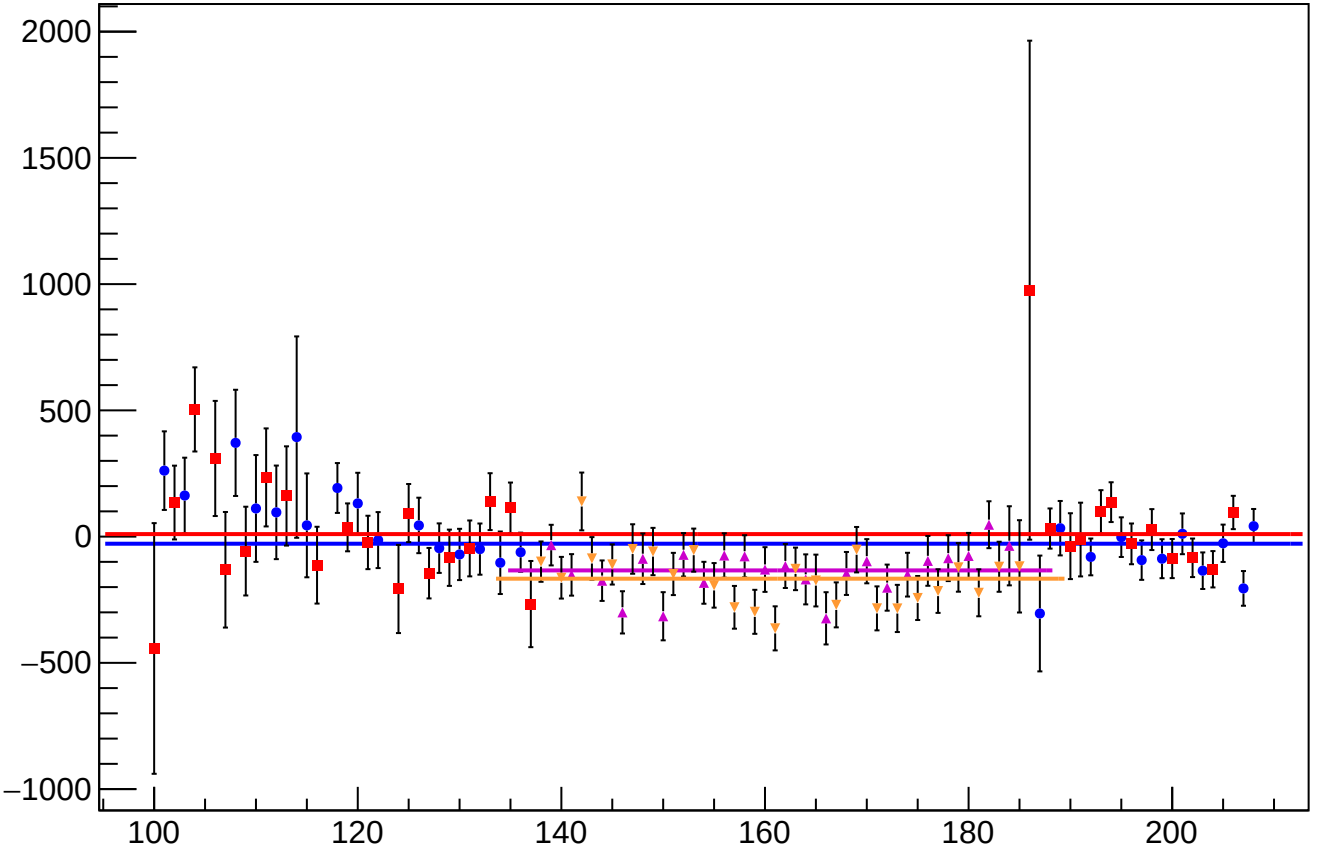
Right: 408.070+/-0.054 χ^2/NDF: 6468653.2/57

In: 351.554+/-0.044 χ^2/NDF:4295893.7/49

Out: 358.997+/-0.044 χ^2/NDF:5167284.7/55

All: 355.265+/-0.031 χ^2/NDF: 9477373.4/105

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 9.959+/-19.369 χ^2/NDF: 39.4/30

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

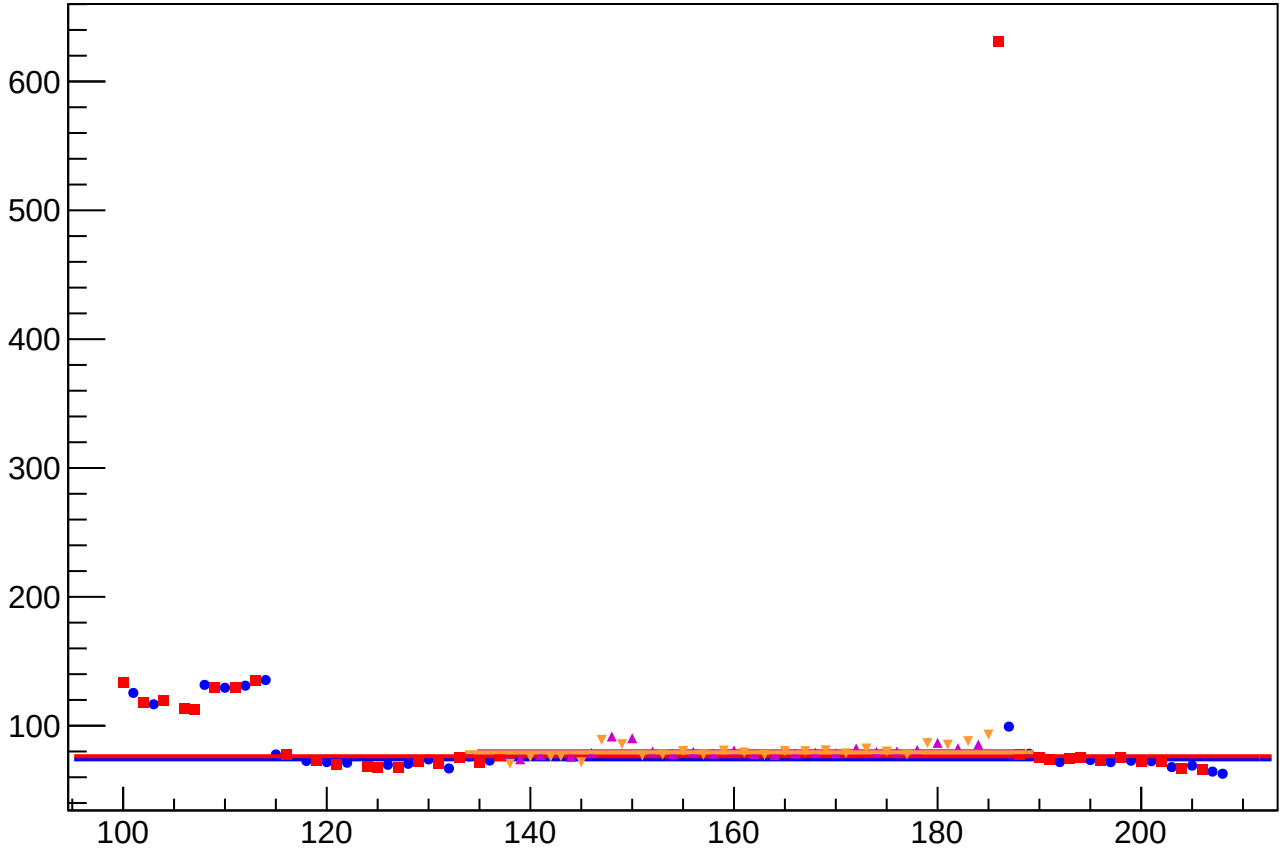
Right: -9.561+/-13.530 χ^2/NDF: 74.0/57

In: -81.429+/-13.315 χ^2/NDF:69.1/49

Out: -84.437+/-13.216 χ^2/NDF:115.5/55

All: -82.944+/-9.380 χ^2/NDF: 184.6/105

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

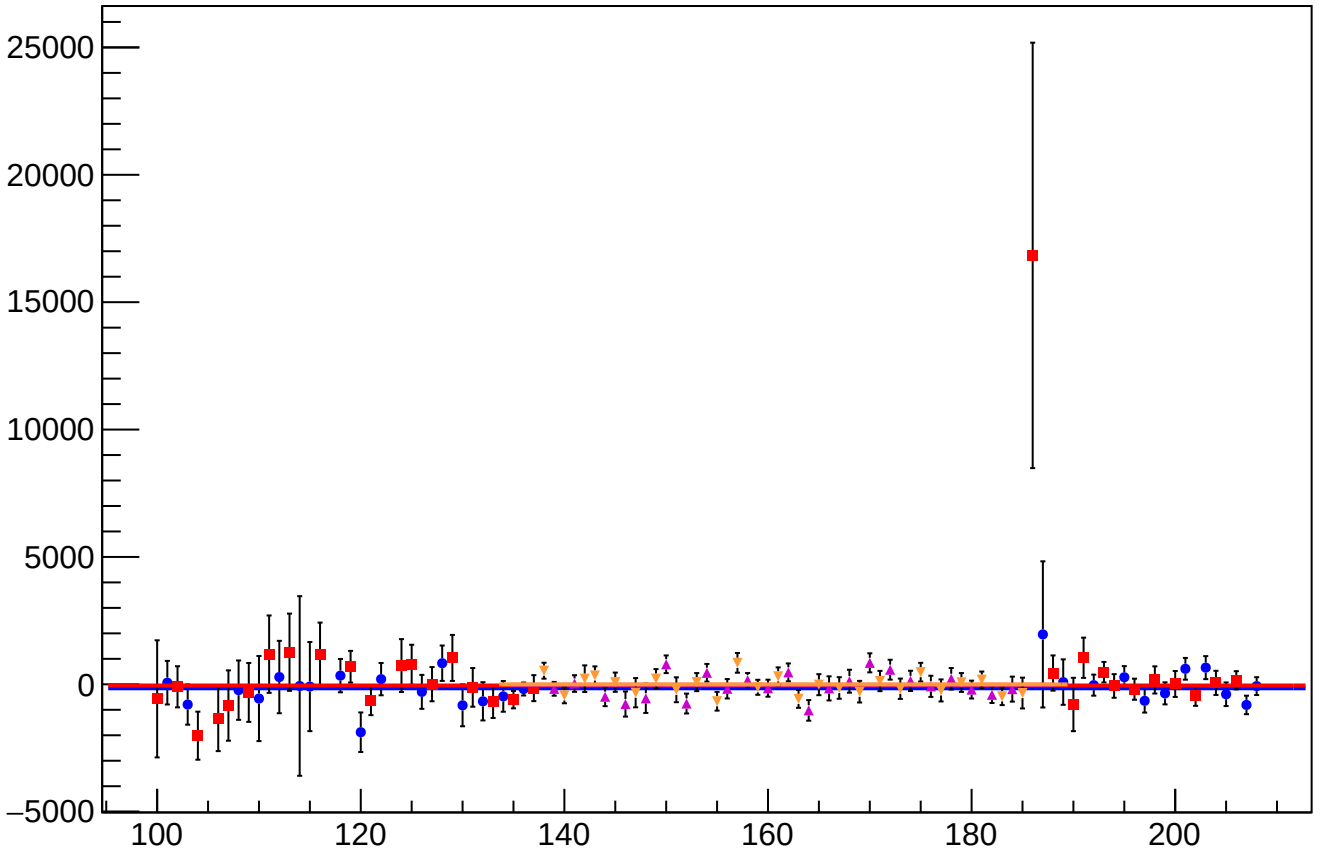
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 75.066+/-0.010 χ^2/NDF: 2815260.8/57

In: 77.046+/-0.009 χ^2/NDF:1277461.9/49

Out: 77.966+/-0.009 χ^2/NDF:1886522.3/55

All: 77.510+/-0.007 χ^2/NDF: 3168794.1/105



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -46.338+/-110.638 χ^2/NDF: 27.7/30

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

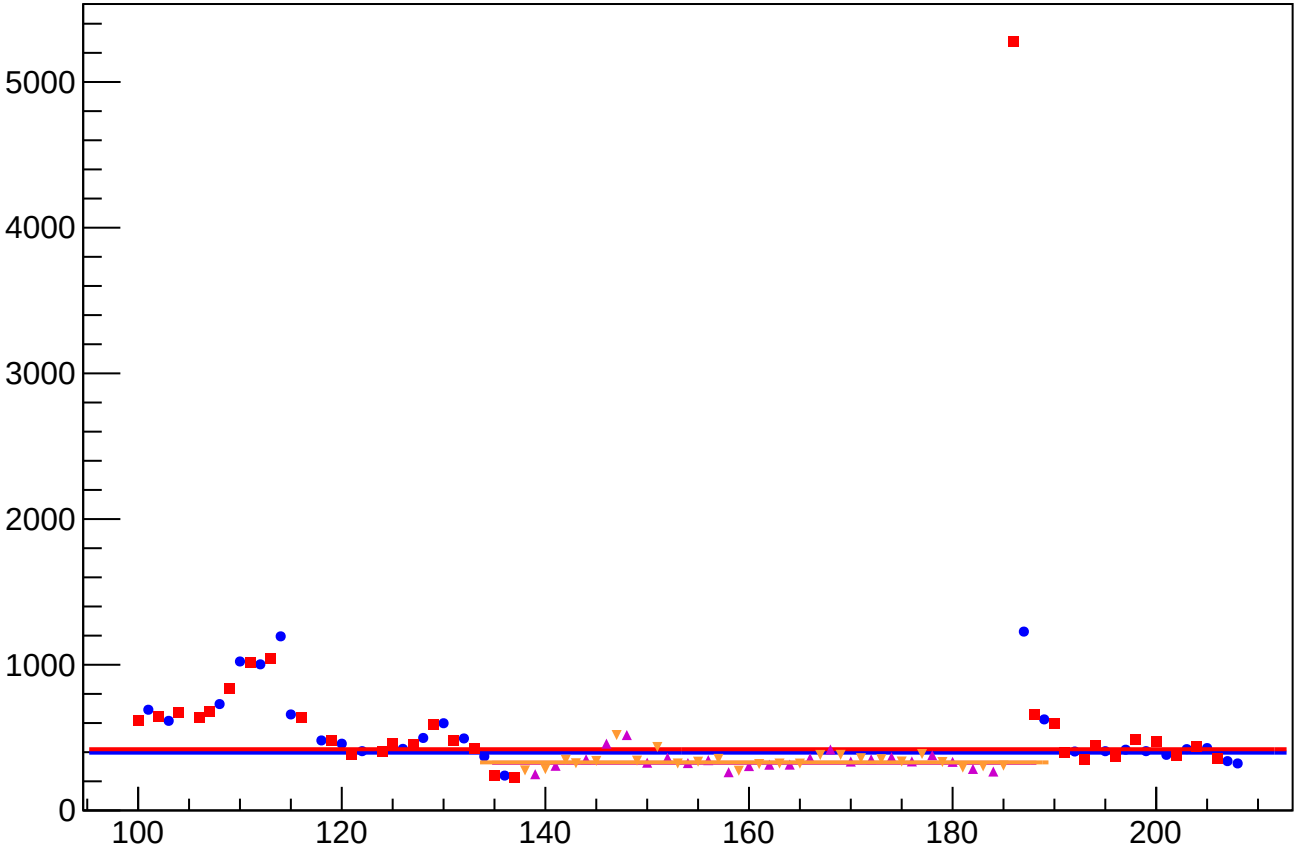
Right: -103.731+/-76.175 χ^2/NDF: 51.5/57

In: -67.332+/-62.383 χ^2/NDF:59.3/49

Out: -17.182+/-62.567 χ^2/NDF:51.9/55

All: -42.331+/-44.176 χ^2/NDF: 111.5/105

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

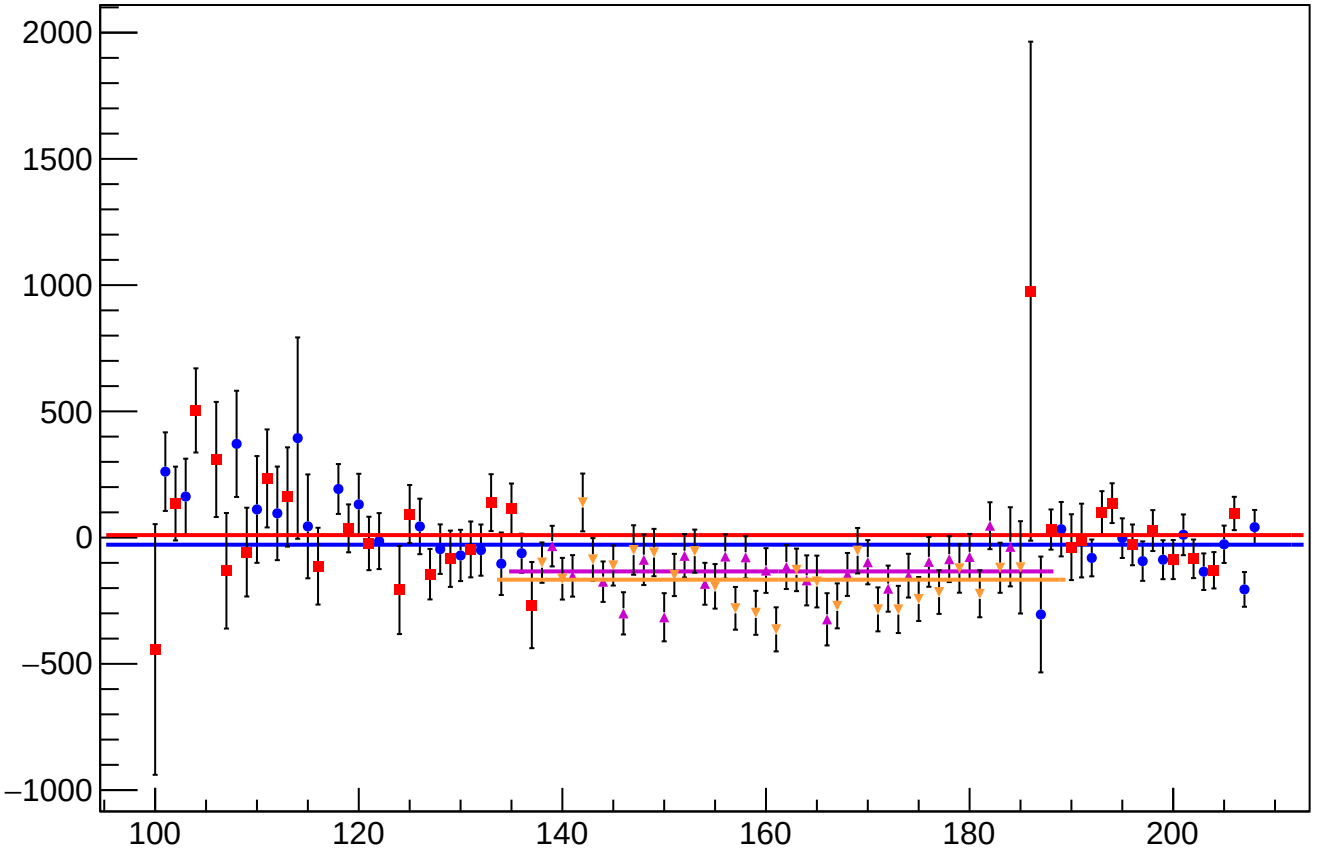
Right: 407.868+/-0.054 χ^2/NDF: 6438469.1/57

In: 351.554+/-0.044 χ^2/NDF:4295895.2/49

Out: 358.853+/-0.044 χ^2/NDF:5130089.4/55

All: 355.193+/-0.031 χ^2/NDF: 9439634.3/105

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 9.959+/-19.369 χ^2/NDF: 39.4/30

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

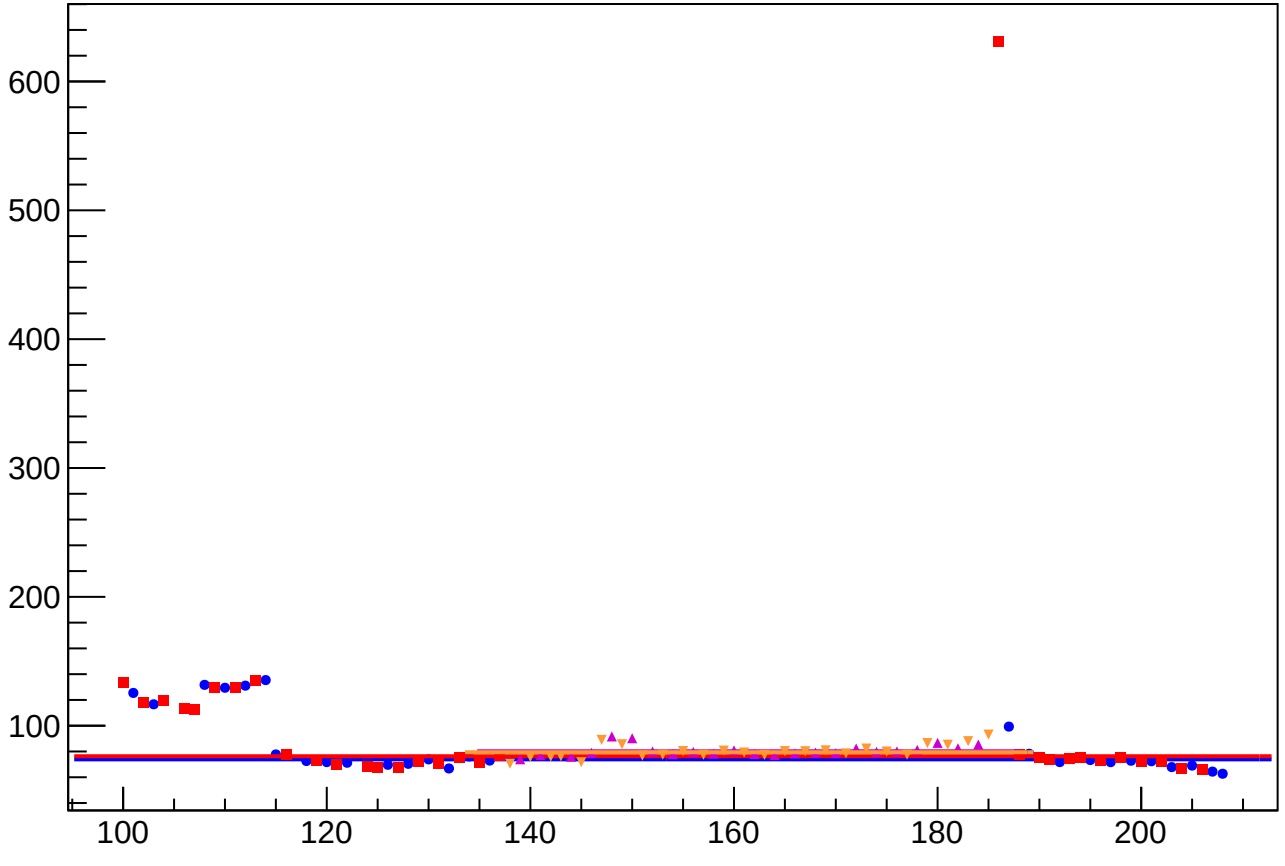
Right: -9.561+/-13.530 χ^2/NDF: 74.0/57

In: -81.429+/-13.315 χ^2/NDF:69.1/49

Out: -84.437+/-13.216 χ^2/NDF:115.5/55

All: -82.944+/-9.380 χ^2/NDF: 184.6/105

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

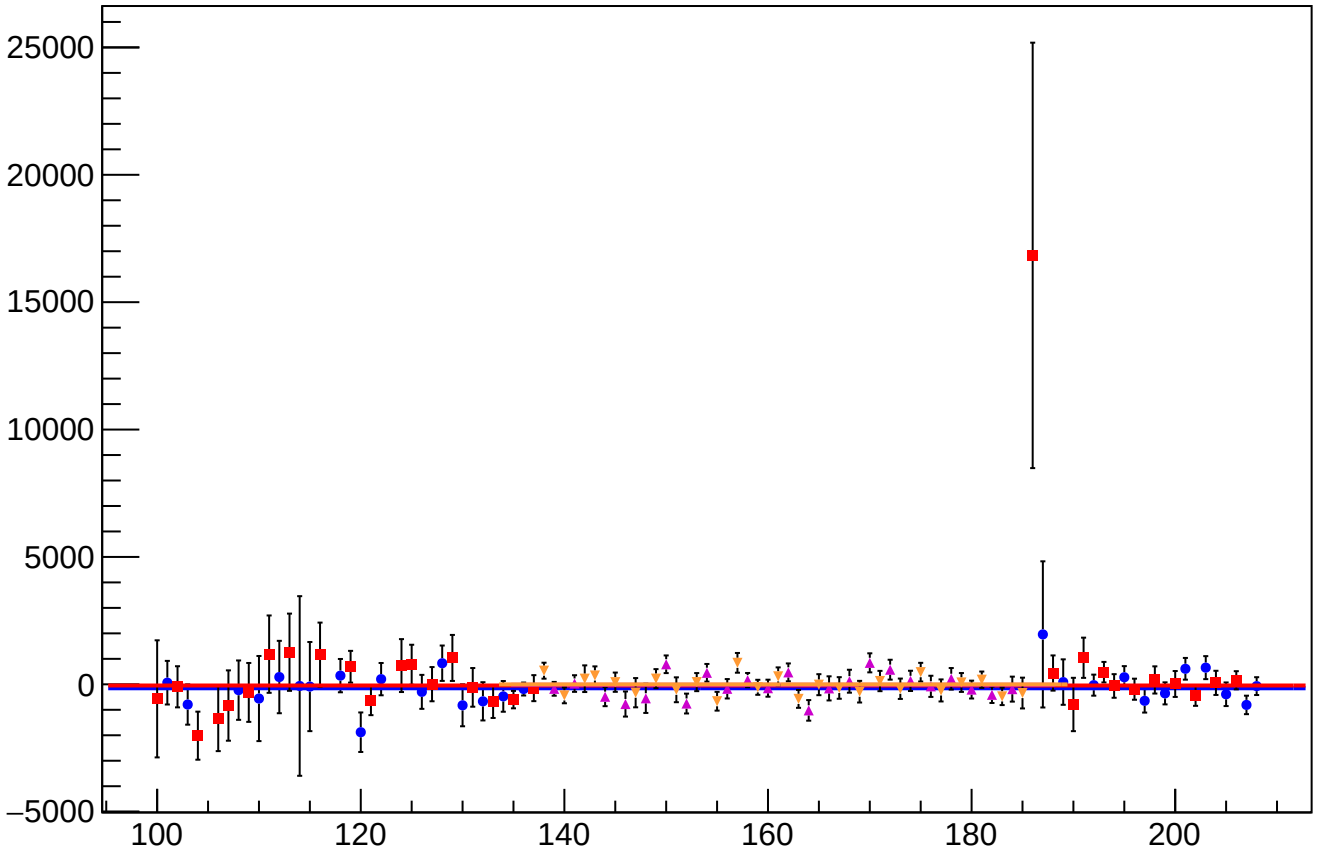
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 75.066+/-0.010 χ^2/NDF: 2815260.8/57

In: 77.046+/-0.009 χ^2/NDF:1277461.9/49

Out: 77.966+/-0.009 χ^2/NDF:1886522.3/55

All: 77.510+/-0.007 χ^2/NDF: 3168794.1/105



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -46.338+/-110.638 χ^2/NDF: 27.7/30

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

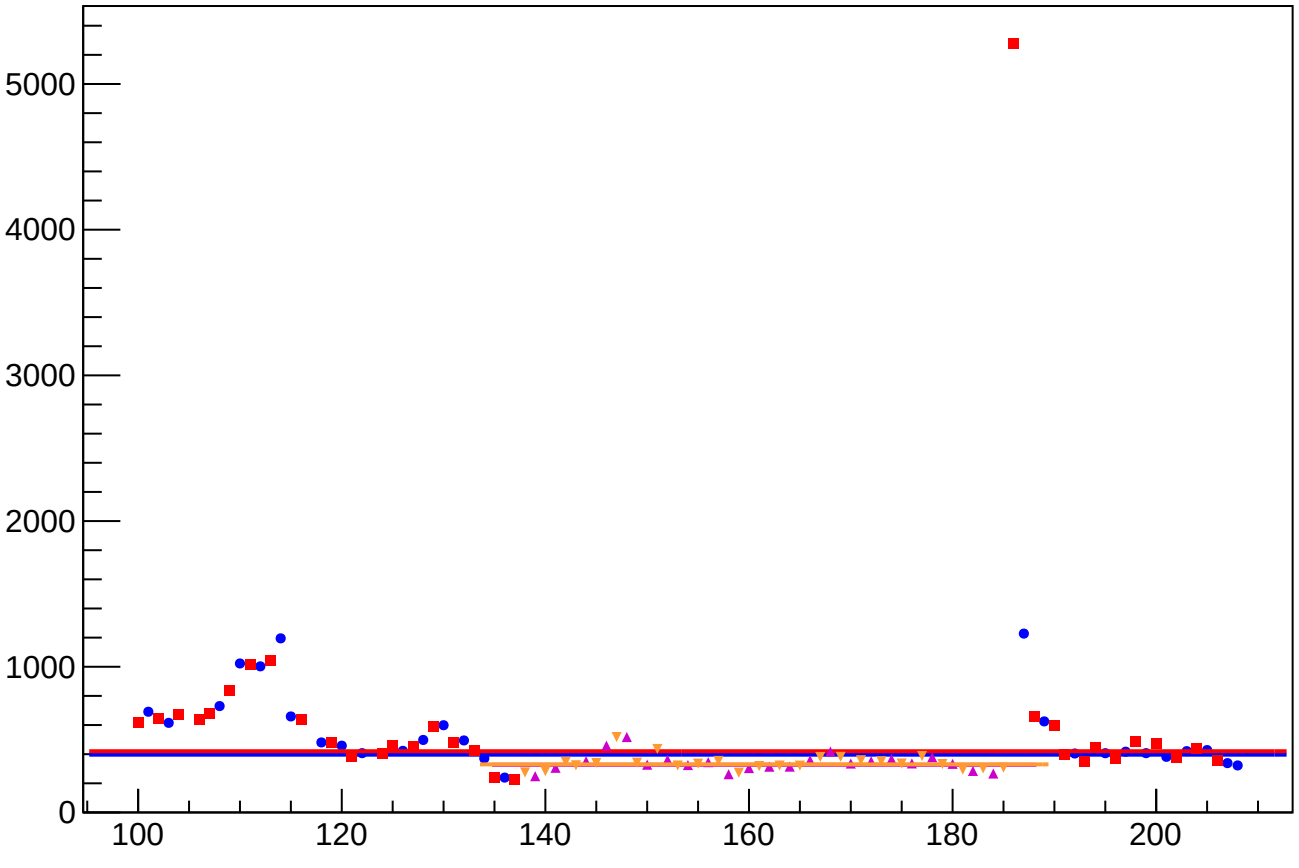
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -103.731+/-76.175 χ^2/NDF: 51.5/57

In: -67.332+/-62.383 χ^2/NDF:59.3/49

Out: -17.182+/-62.567 χ^2/NDF:51.9/55

All: -42.331+/-44.176 χ^2/NDF: 111.5/105



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

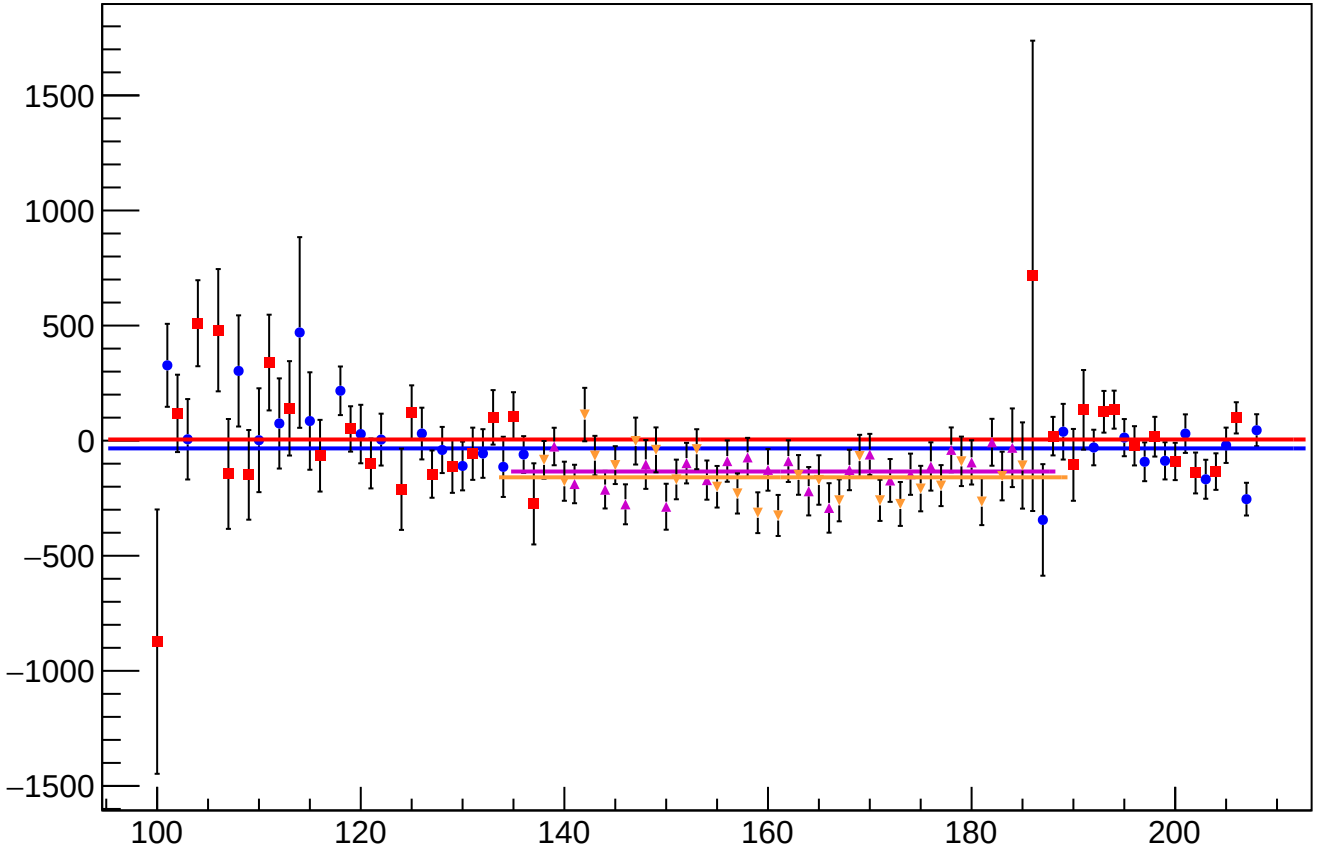
Right: 407.868+/-0.054 χ^2/NDF: 6438469.1/57

In: 351.554+/-0.044 χ^2/NDF:4295895.2/49

Out: 358.853+/-0.044 χ^2/NDF:5130089.4/55

All: 355.193+/-0.031 χ^2/NDF: 9439634.3/105

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -33.665+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 5.137+/-20.568 χ^2/NDF: 43.8/30

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

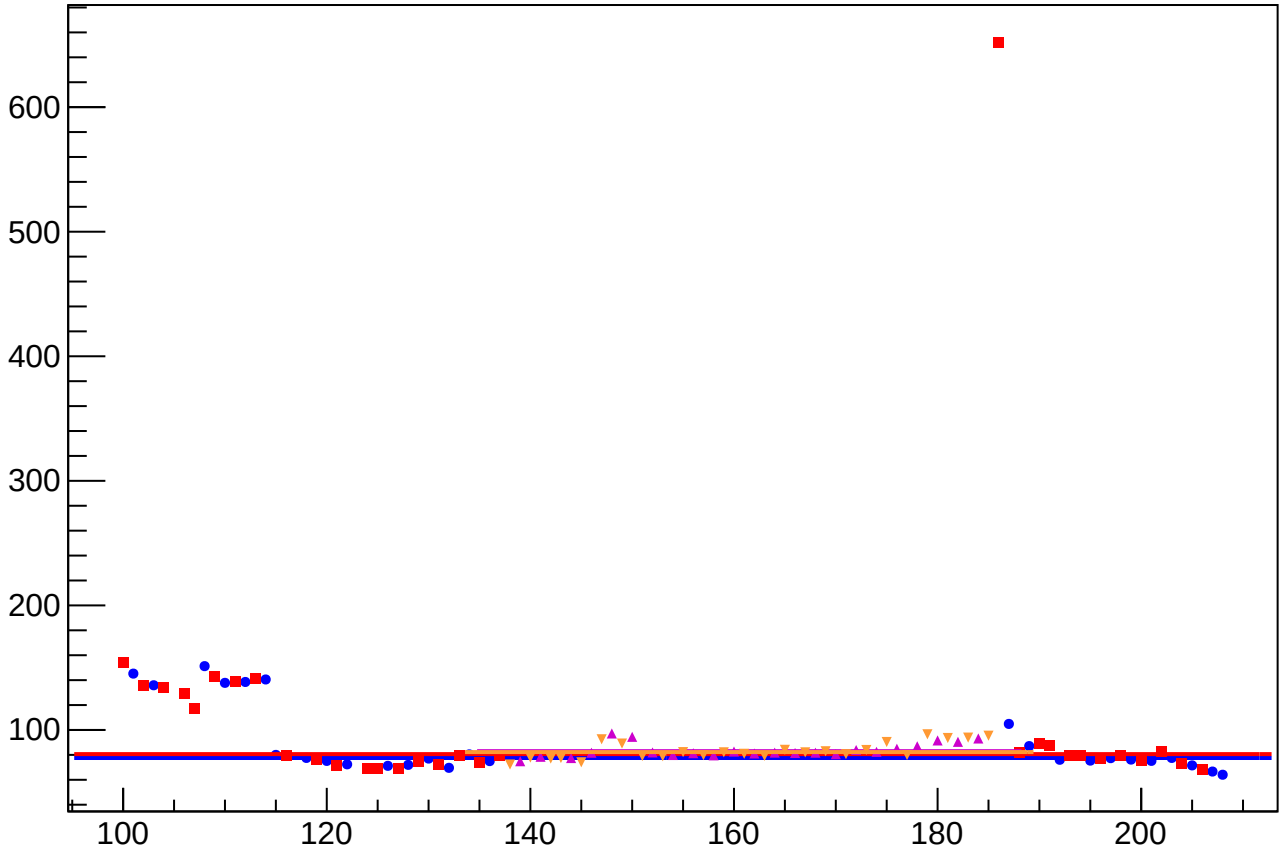
Right: -14.865+/-14.317 χ^2/NDF: 78.4/57

In: -85.111+/-13.920 χ^2/NDF:62.2/49

Out: -84.629+/-13.856 χ^2/NDF:106.8/55

All: -84.869+/-9.820 χ^2/NDF: 169.0/105

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.495+/-0.014 χ^2/NDF: 1283020.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.7/30

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

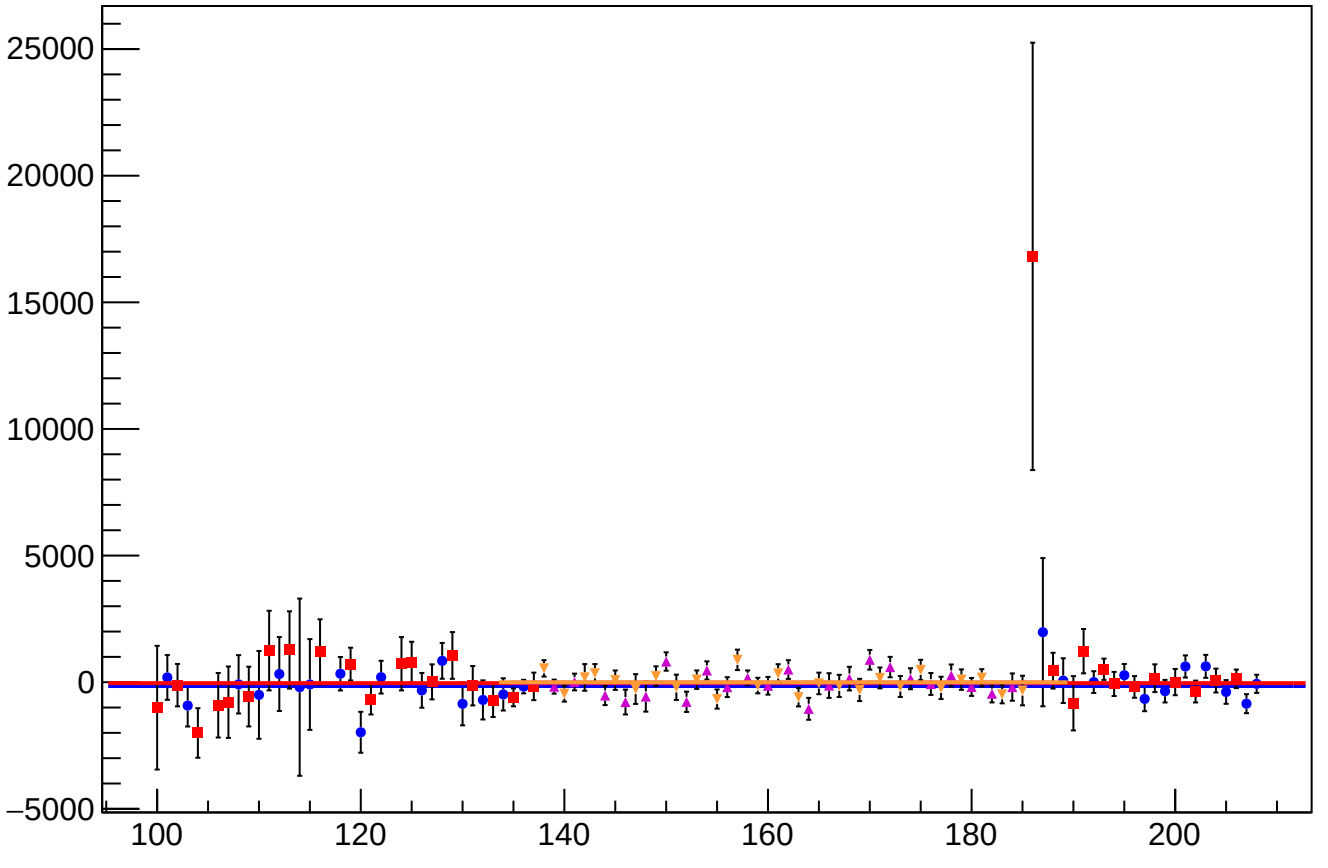
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 79.009+/-0.010 χ^2/NDF: 3197882.5/57

In: 80.314+/-0.010 χ^2/NDF:1506569.8/49

Out: 81.509+/-0.010 χ^2/NDF:2114458.8/55

All: 80.914+/-0.007 χ^2/NDF: 3628428.2/105



Right In: -150.212+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.939+/-114.396 χ^2/NDF: 26.7/30

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

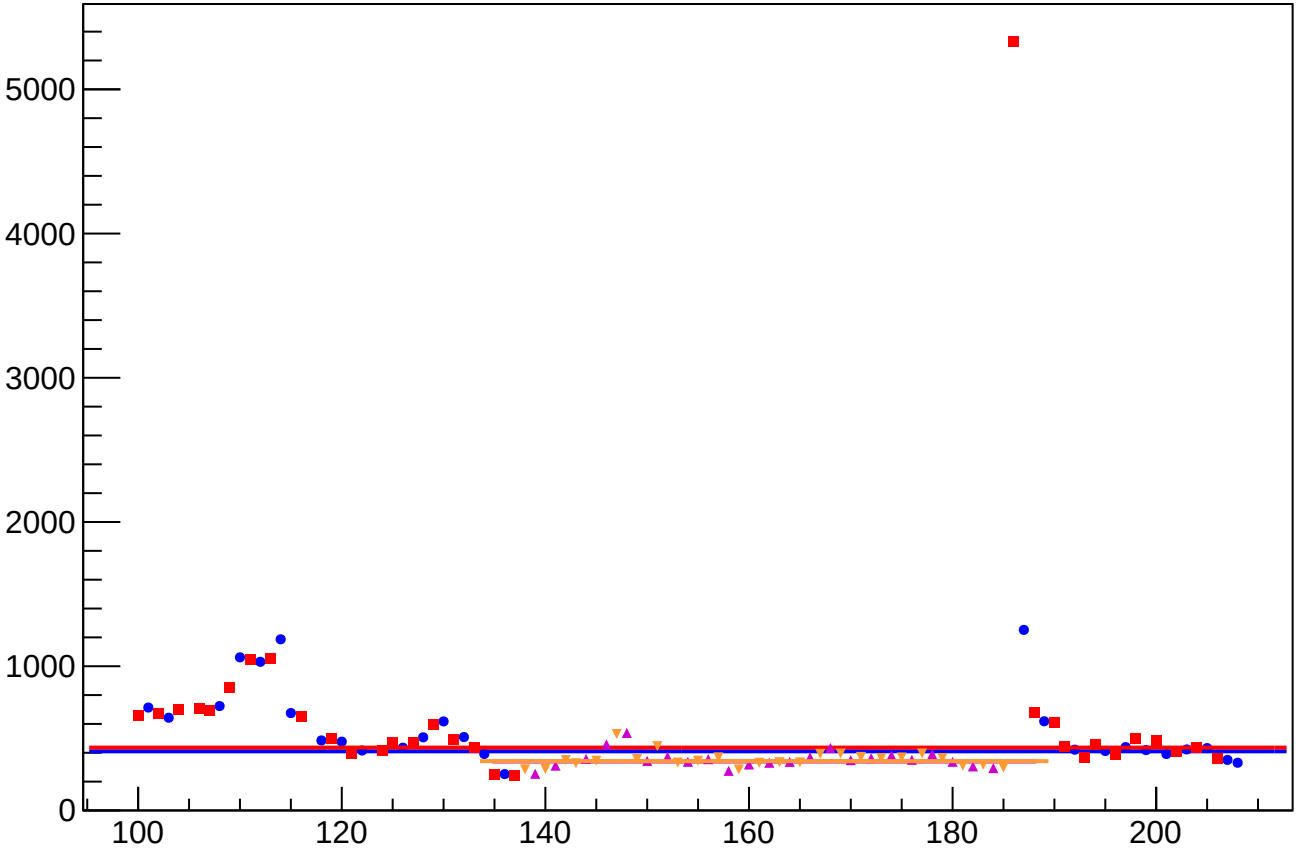
Right: -97.154+/-78.641 χ^2/NDF: 50.6/57

In: -64.037+/-64.557 χ^2/NDF:59.3/49

Out: -14.265+/-64.772 χ^2/NDF:50.2/55

All: -39.234+/-45.725 χ^2/NDF: 109.8/105

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 409.953+/-0.077 χ^2/NDF: 2705951.7/26

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 435.924+/-0.081 χ^2/NDF: 3488292.5/30

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

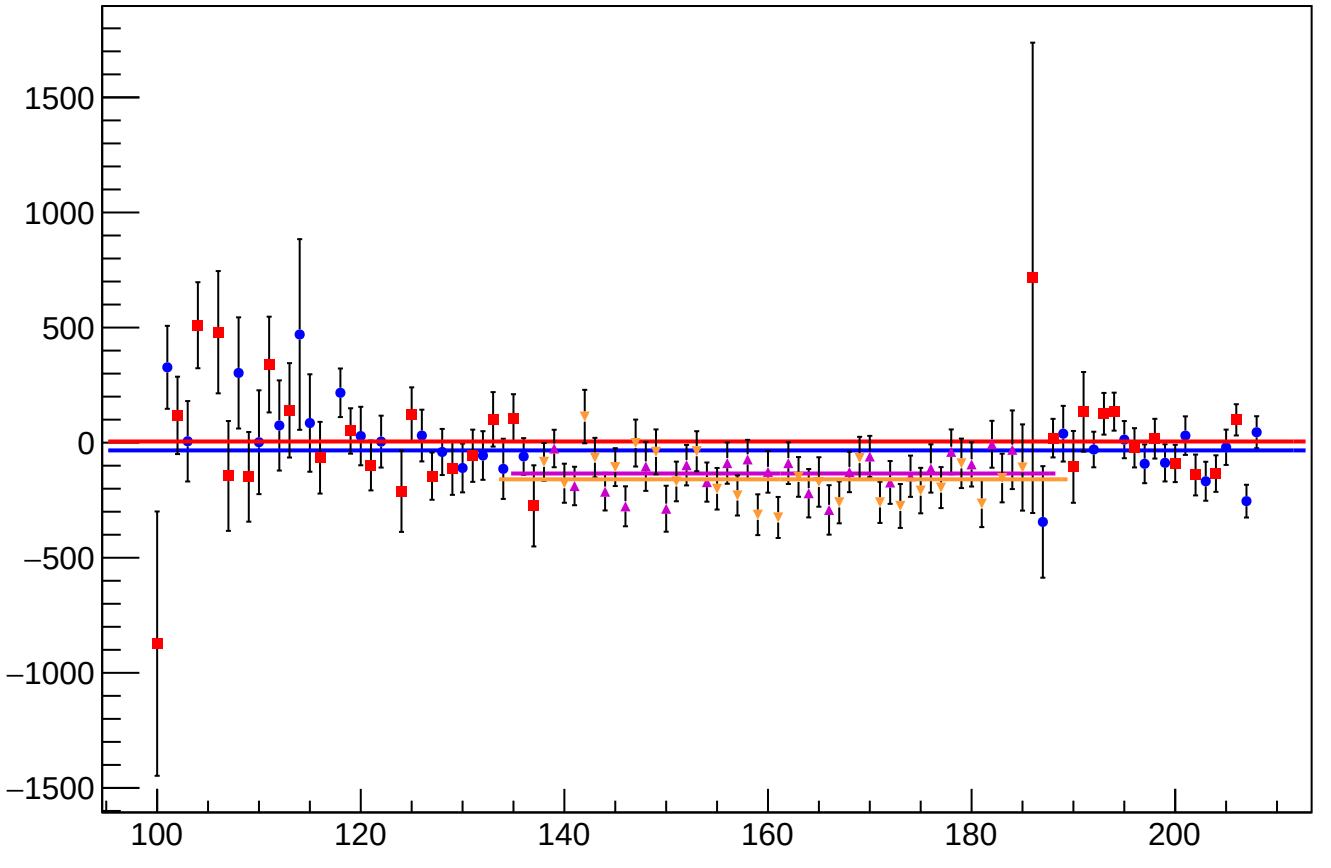
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 422.226+/-0.056 χ^2/NDF: 6248614.2/57

In: 364.495+/-0.046 χ^2/NDF:4099455.1/49

Out: 372.055+/-0.046 χ^2/NDF:5059826.9/55

All: 368.263+/-0.032 χ^2/NDF: 9172950.0/105



Right In: -33.664+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 5.136+/-20.568 χ^2/NDF: 43.8/30

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

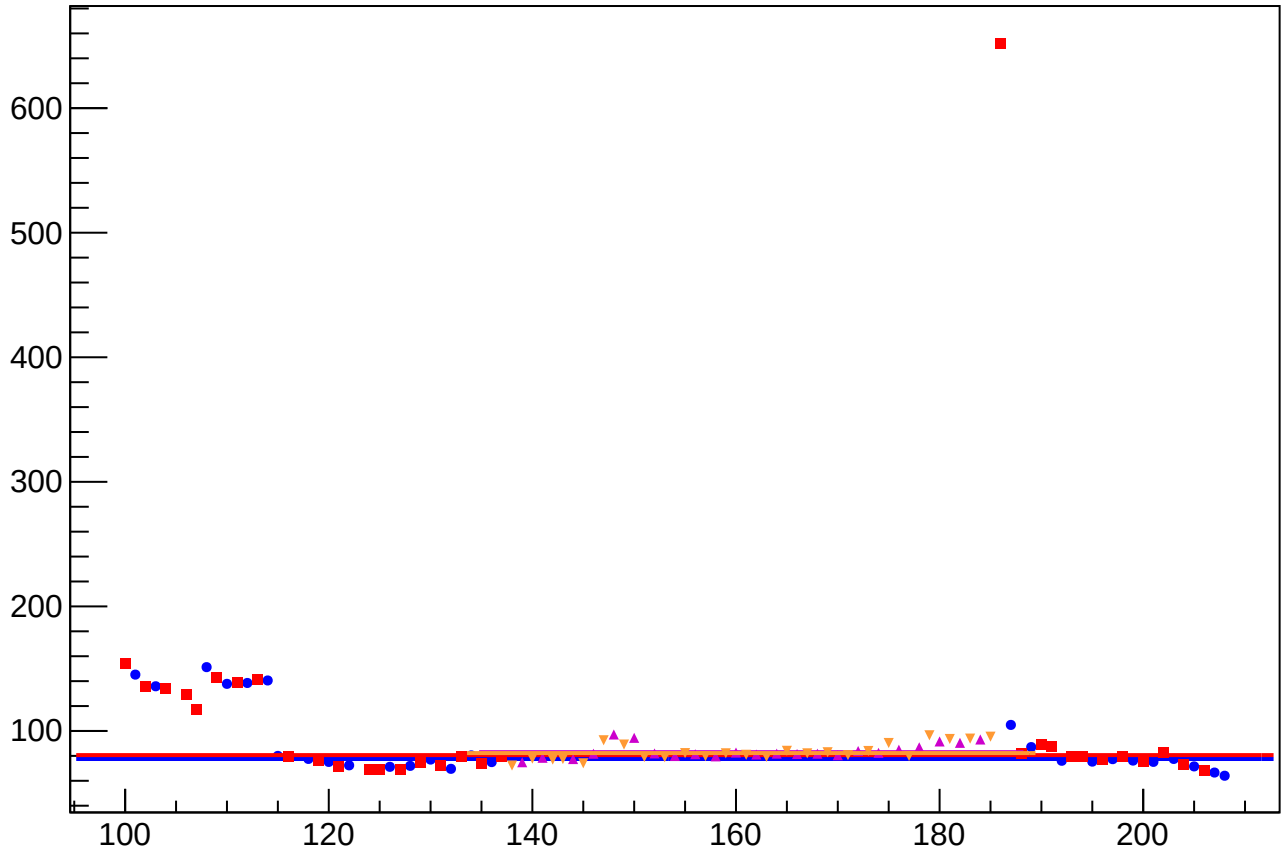
Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

Right: -14.865+/-14.317 χ^2/NDF: 78.4/57

In: -85.110+/-13.920 χ^2/NDF:62.2/49

Out: -84.629+/-13.856 χ^2/NDF:106.8/55

All: -84.869+/-9.820 χ^2/NDF: 169.0/105



Right In: 77.495+/-0.014 χ^2/NDF: 1283021.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.3/30

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

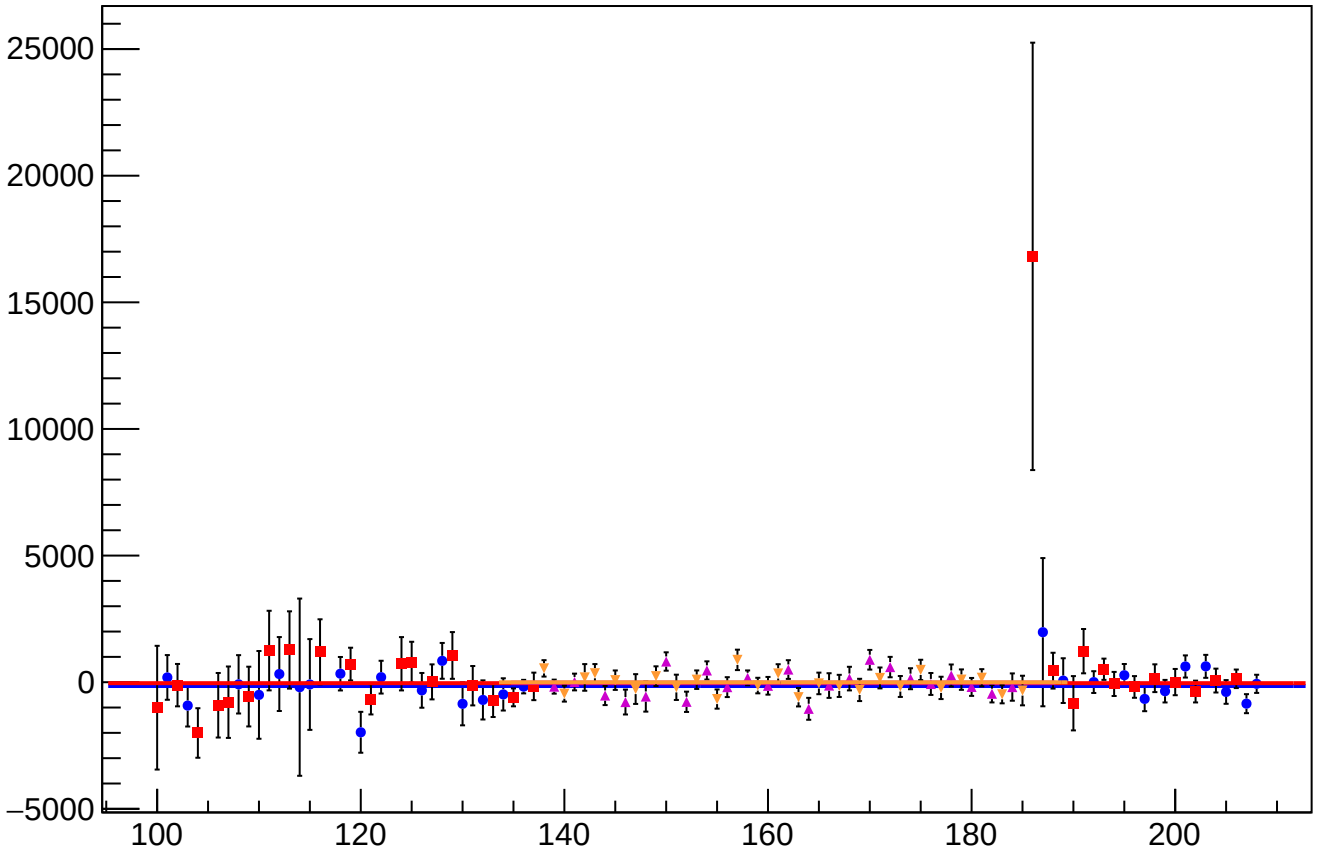
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 79.009+/-0.010 χ^2/NDF: 3197882.9/57

In: 80.314+/-0.010 χ^2/NDF:1506572.2/49

Out: 81.509+/-0.010 χ^2/NDF:2114459.7/55

All: 80.914+/-0.007 χ^2/NDF: 3628431.5/105



Right In: -150.210+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -37.939+/-114.396 χ^2/NDF: 26.7/30

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

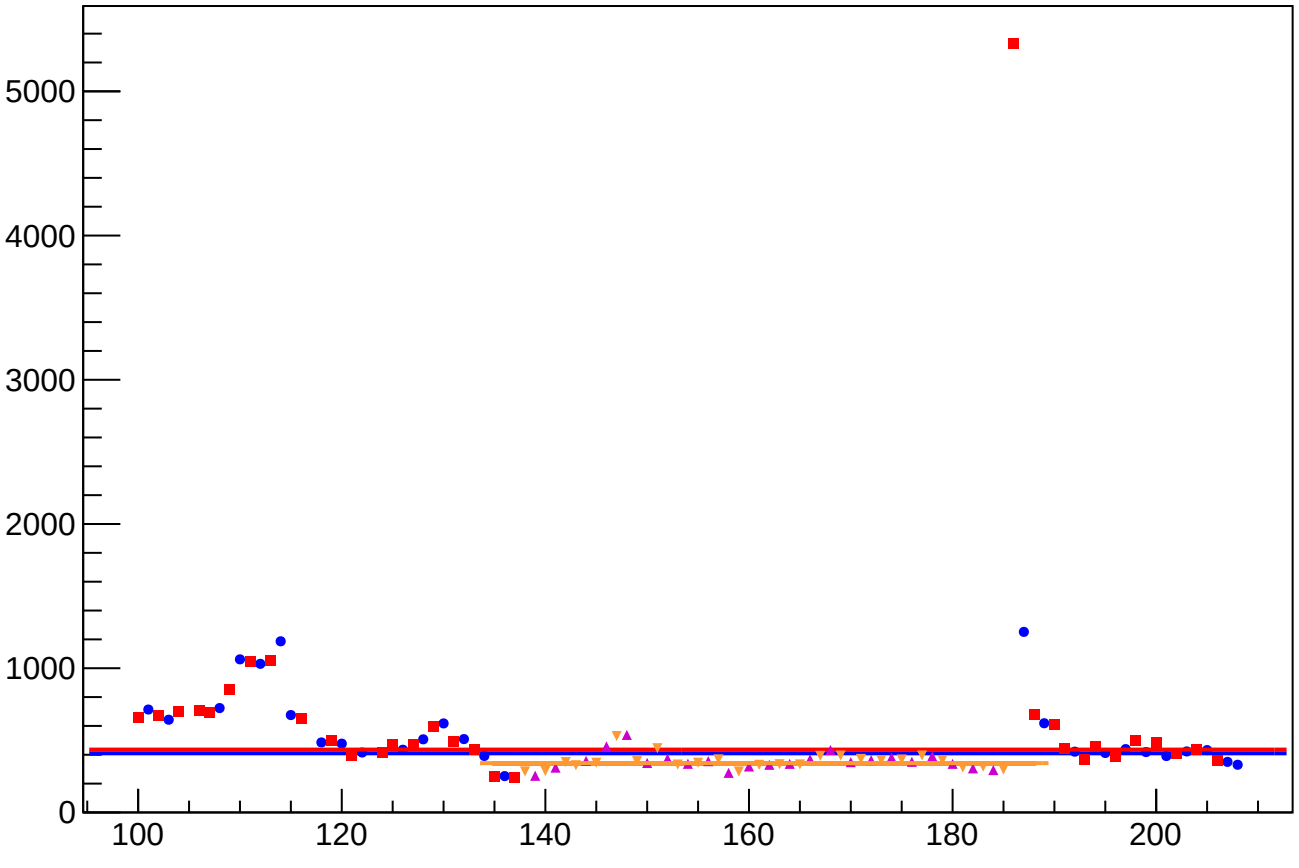
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -97.153+/-78.641 χ^2/NDF: 50.6/57

In: -64.036+/-64.557 χ^2/NDF:59.3/49

Out: -14.265+/-64.772 χ^2/NDF:50.2/55

All: -39.233+/-45.725 χ^2/NDF: 109.8/105



Right In: 409.952+/-0.077 χ^2/NDF: 2705957.0/26

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 435.923+/-0.081 χ^2/NDF: 3488300.3/30

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

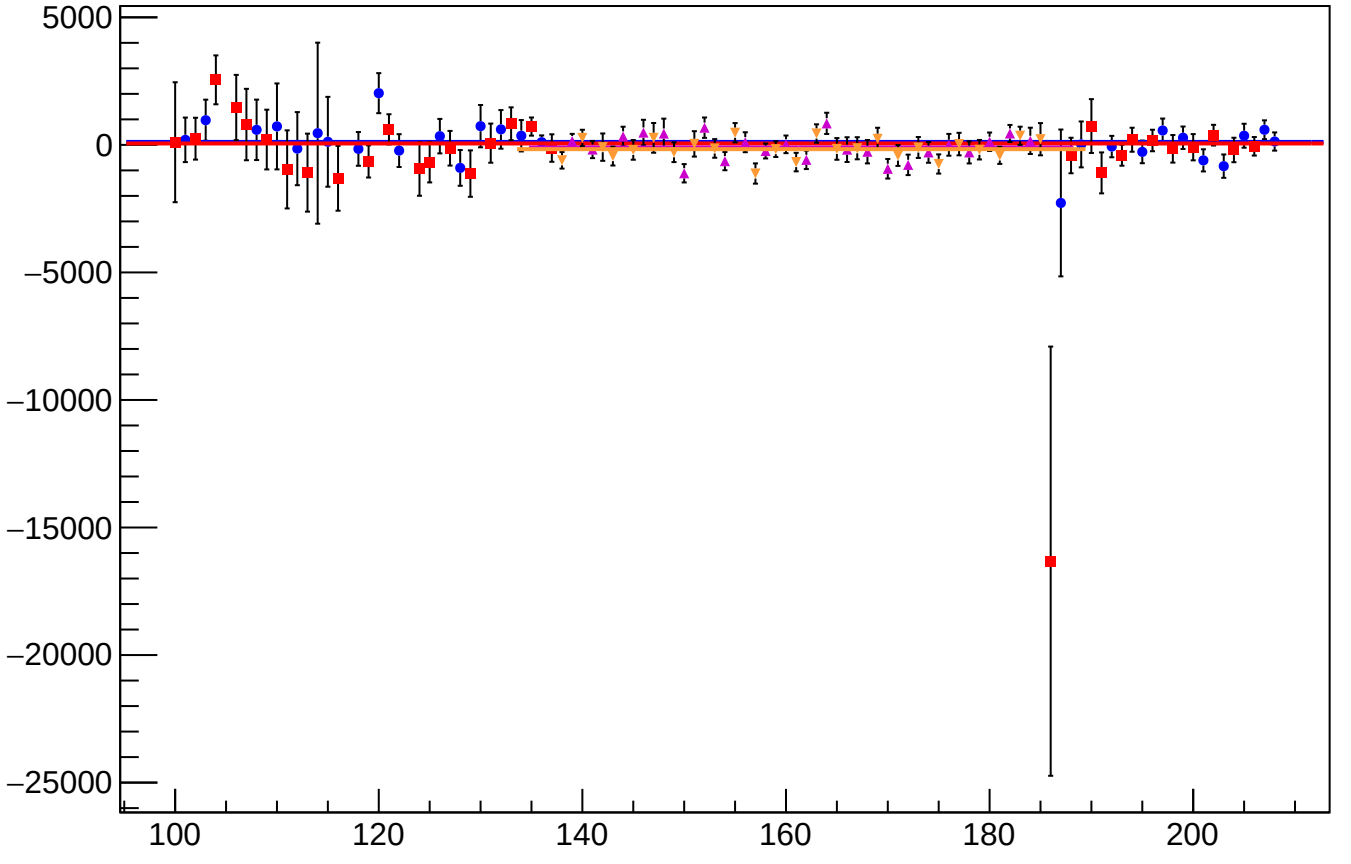
Right: 422.225+/-0.056 χ^2/NDF: 6248626.7/57

In: 364.495+/-0.046 χ^2/NDF:4099453.1/49

Out: 372.055+/-0.046 χ^2/NDF:5059820.4/55

All: 368.262+/-0.032 χ^2/NDF: 9172941.5/105

asym_sam1_mean vs Slug, Sign Corrected



Right In: 116.280+/-107.243 χ^2/NDF: 22.9/26

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 55.208+/-112.852 χ^2/NDF: 30.5/30

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

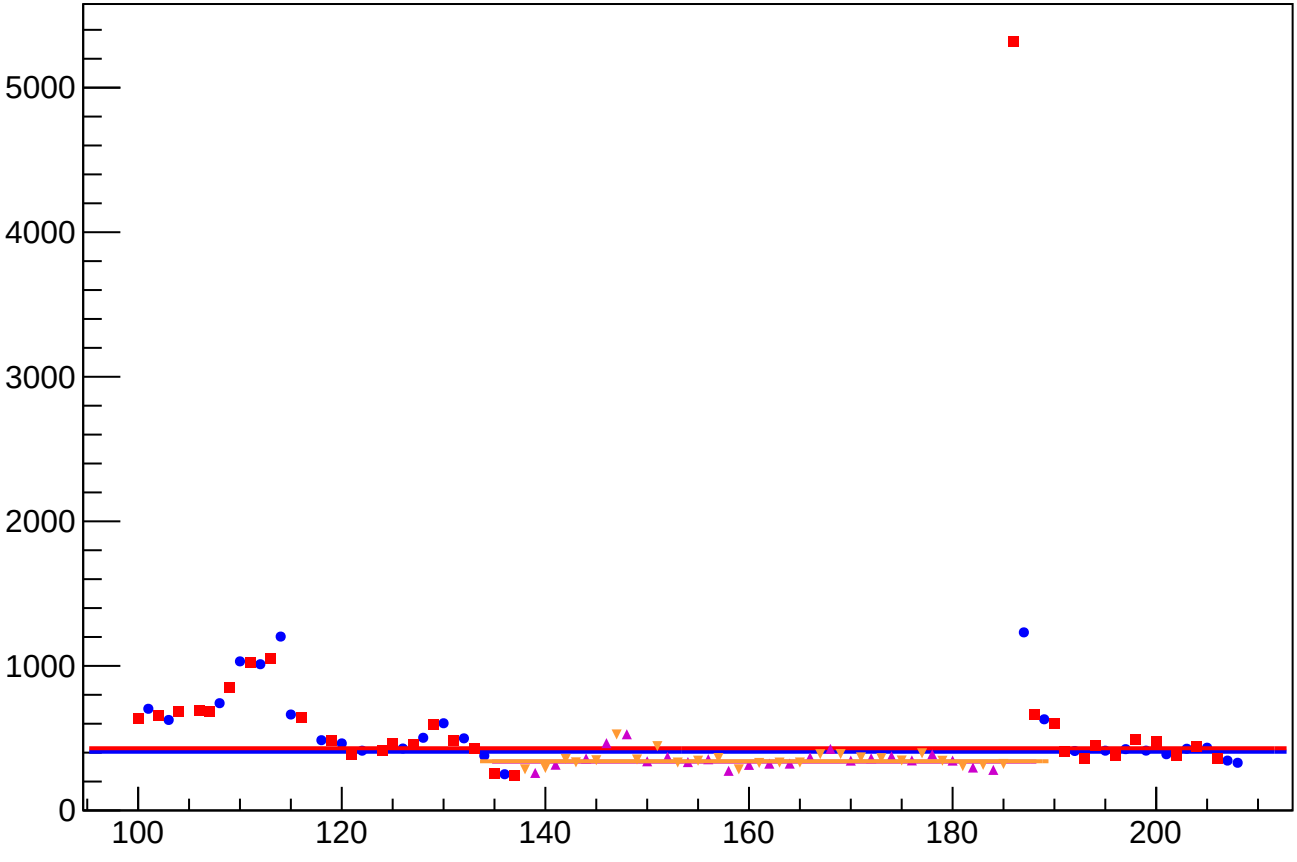
Right: 87.299+/-77.740 χ^2/NDF: 53.6/57

In: -25.262+/-64.122 χ^2/NDF:63.1/49

Out: -95.198+/-64.265 χ^2/NDF:58.7/55

All: -60.152+/-45.391 χ^2/NDF: 122.4/105

asym_sam1_rms vs Slug, Sign Corrected



Right In: 406.100+/-0.076 χ^2/NDF: 2684590.2/26

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 430.299+/-0.080 χ^2/NDF: 3440489.1/30

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

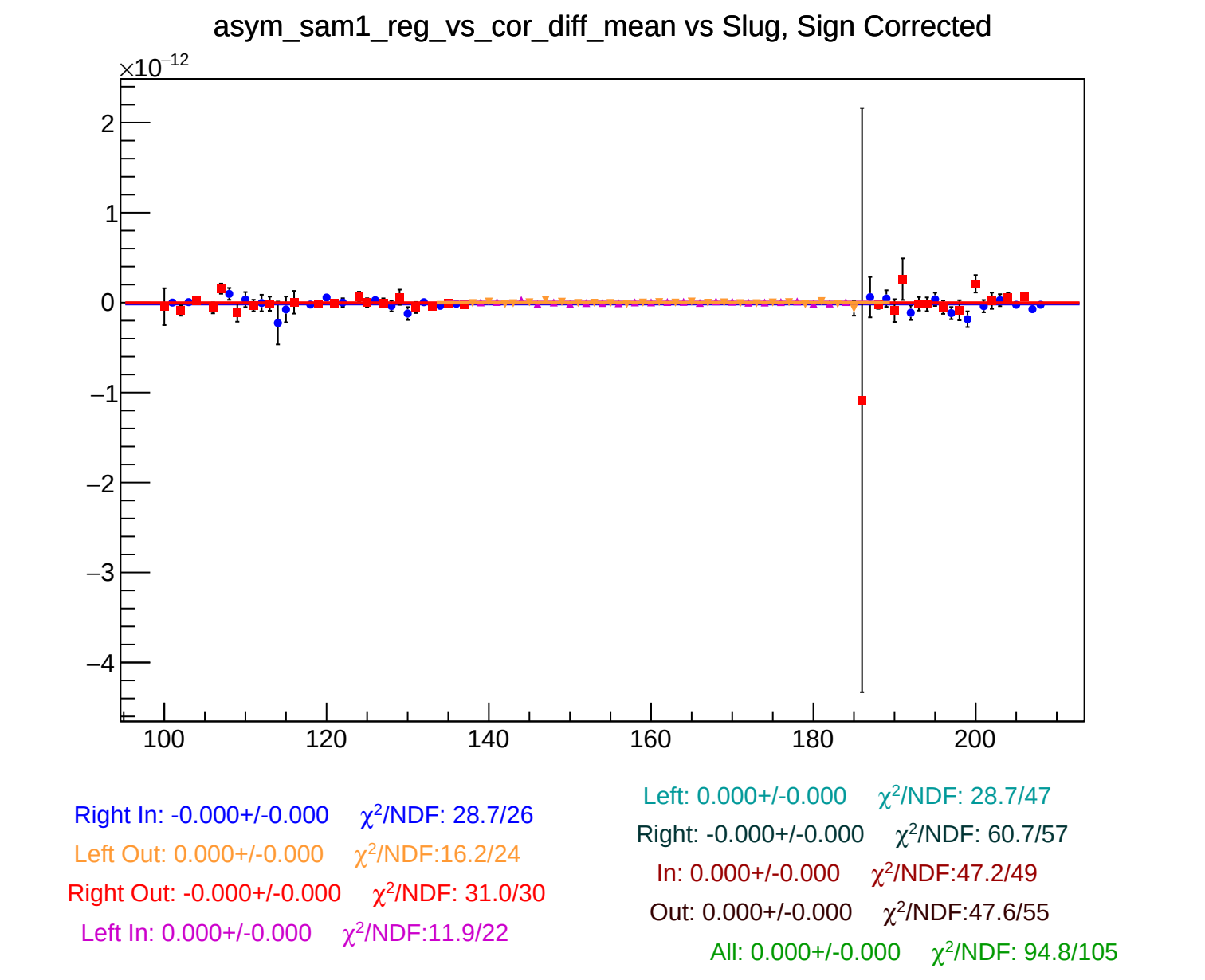
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

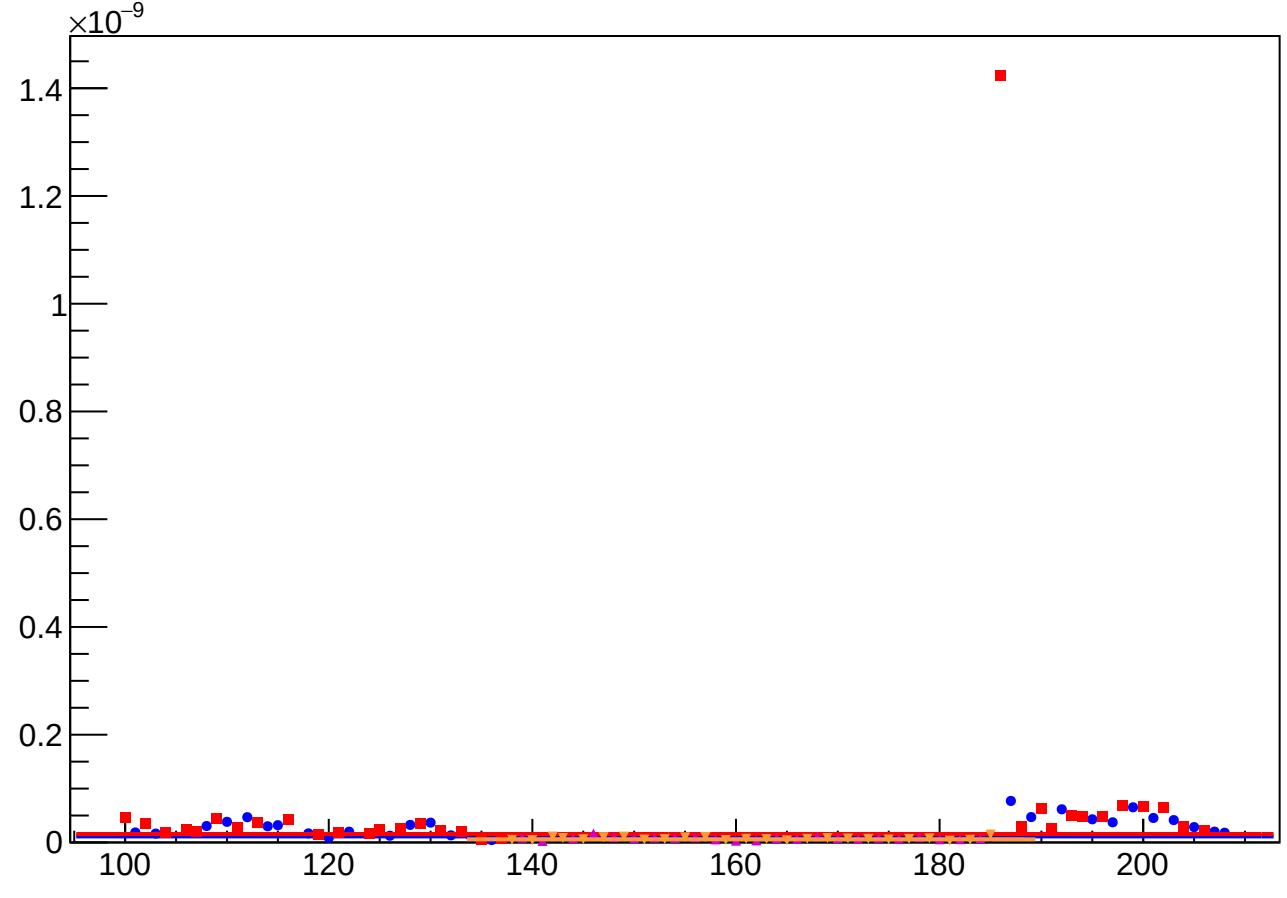
Right: 417.584+/-0.055 χ^2/NDF: 6173403.3/57

In: 362.190+/-0.045 χ^2/NDF:4027100.8/49

Out: 369.547+/-0.045 χ^2/NDF:4902423.8/55

All: 365.860+/-0.032 χ^2/NDF: 8942658.6/105


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.7/26
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.0/30
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 60.7/57
In: 0.000+/-0.000 χ²/NDF:47.2/49
Out: 0.000+/-0.000 χ²/NDF:47.6/55
All: 0.000+/-0.000 χ²/NDF: 94.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 7347887.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7063282.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

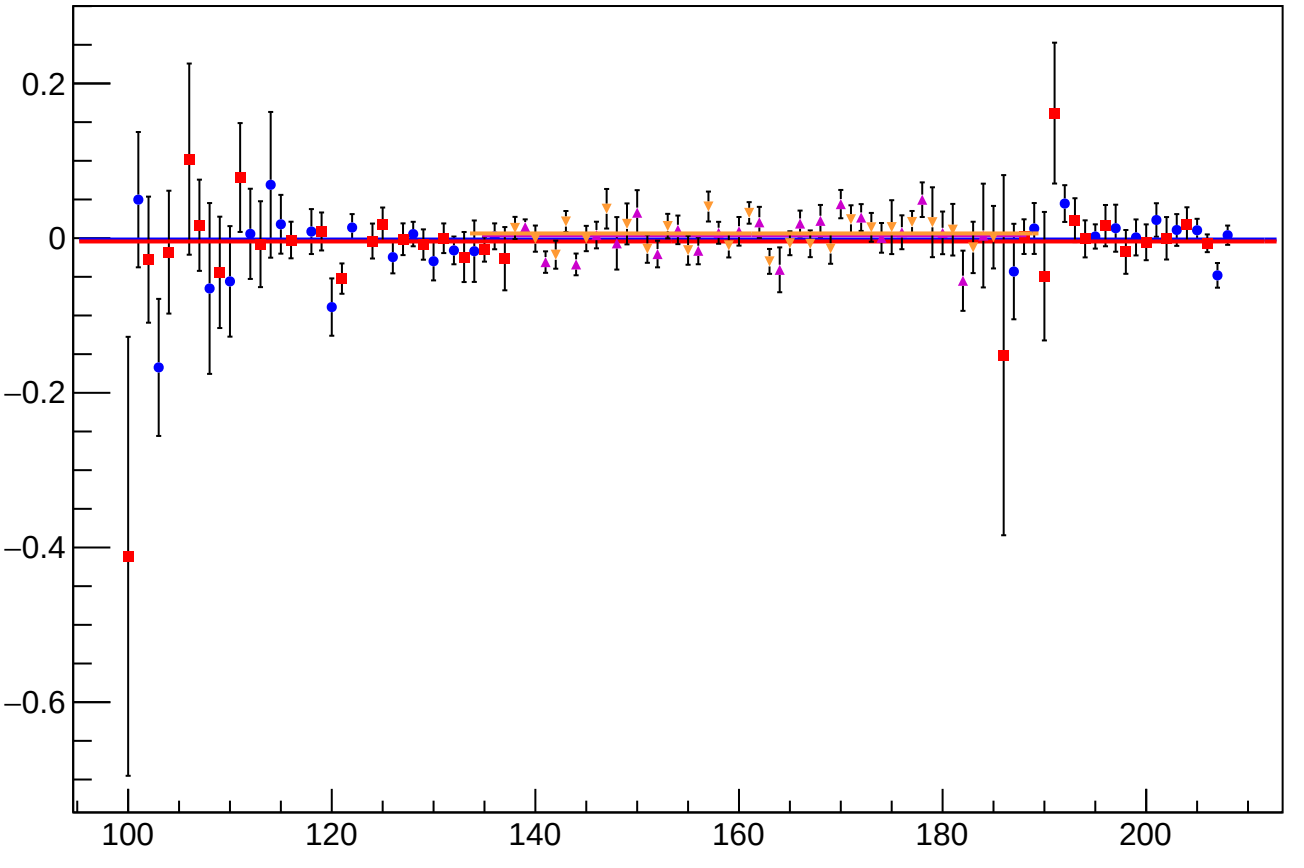
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14864493.5/57

In: 0.000+/-0.000 χ^2/NDF:10567260.9/49

Out: 0.000+/-0.000 χ^2/NDF:11411097.0/55

All: 0.000+/-0.000 χ^2/NDF: 22008119.9/105



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

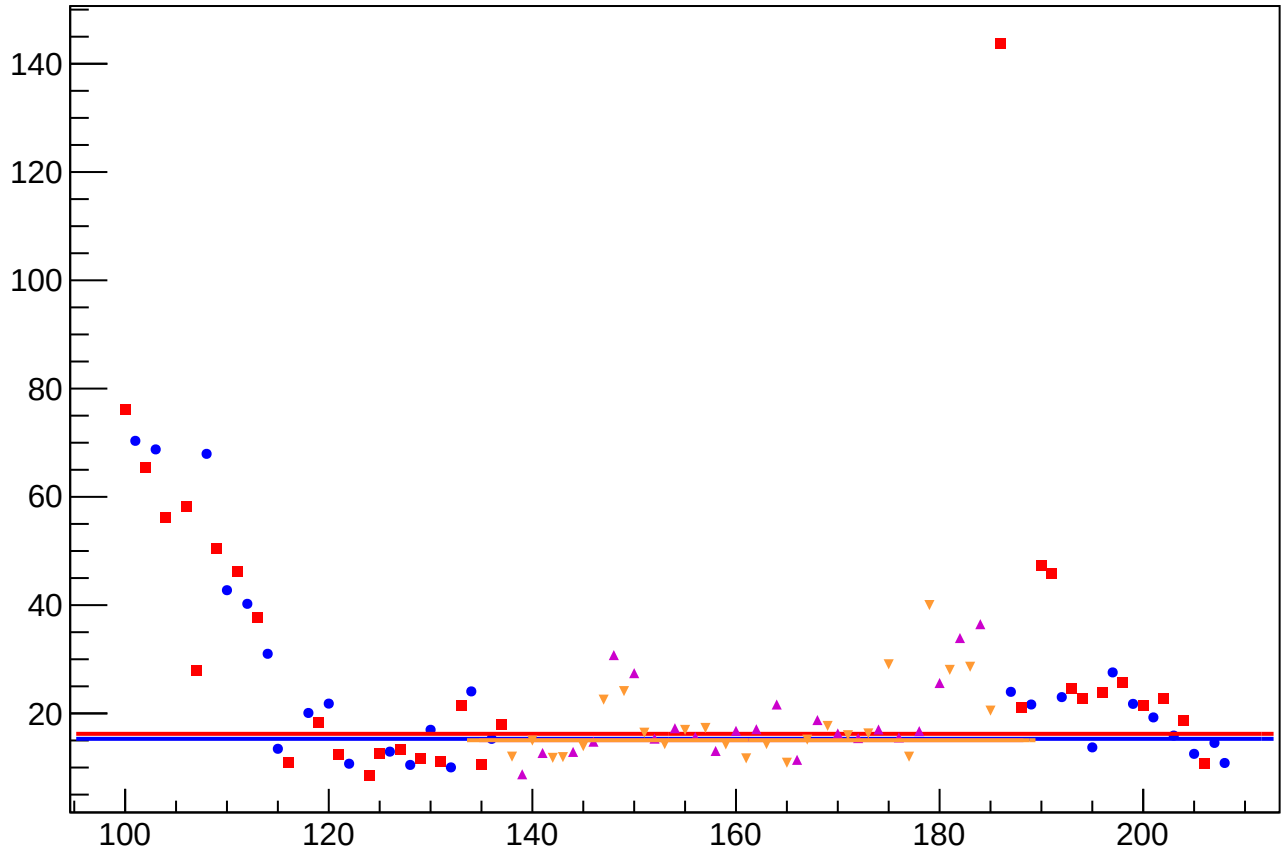
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.6/57

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/105



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

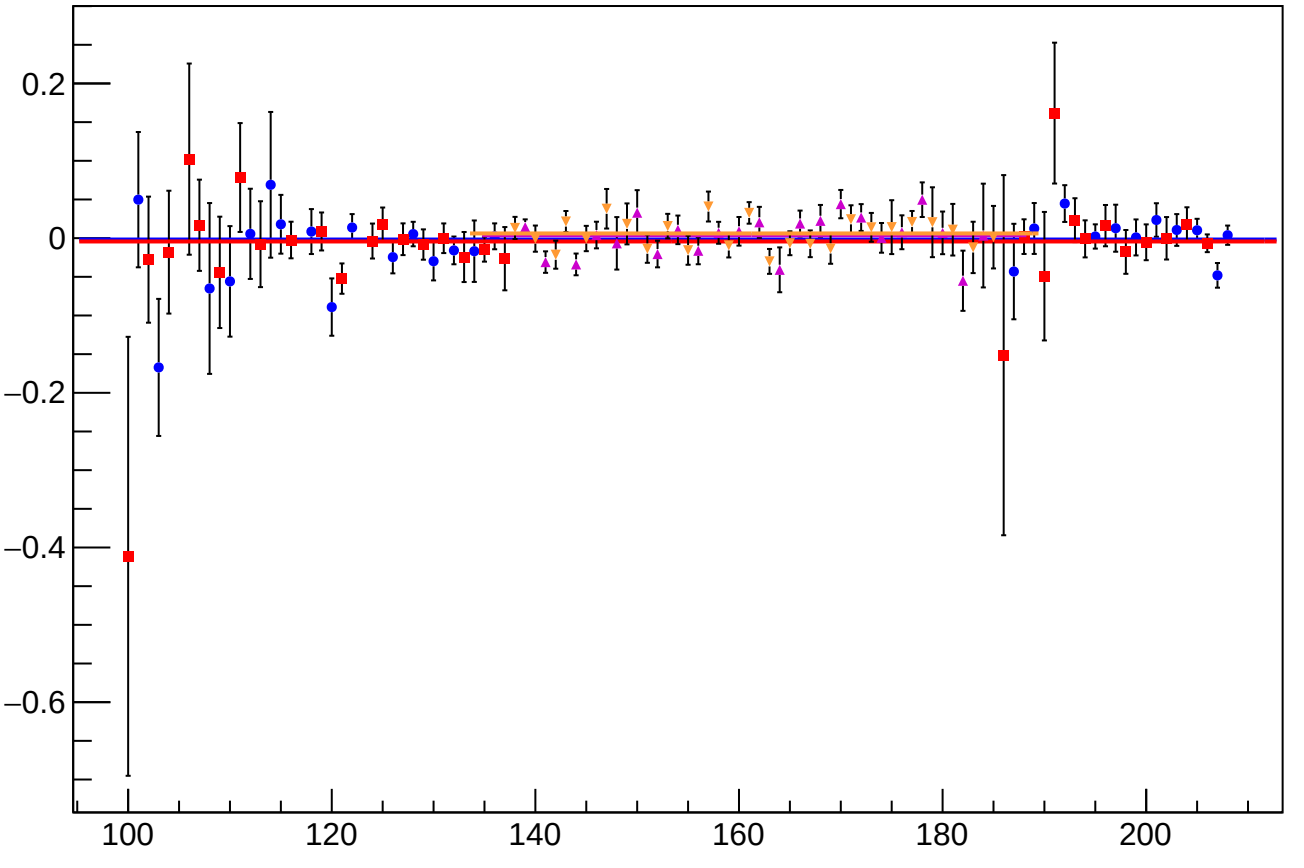
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.736+/-0.002 χ^2/NDF: 11122079.4/57

In: 15.169+/-0.002 χ^2/NDF:7734342.6/49

Out: 15.496+/-0.002 χ^2/NDF:9252742.2/55

All: 15.332+/-0.001 χ^2/NDF: 16999850.9/105



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

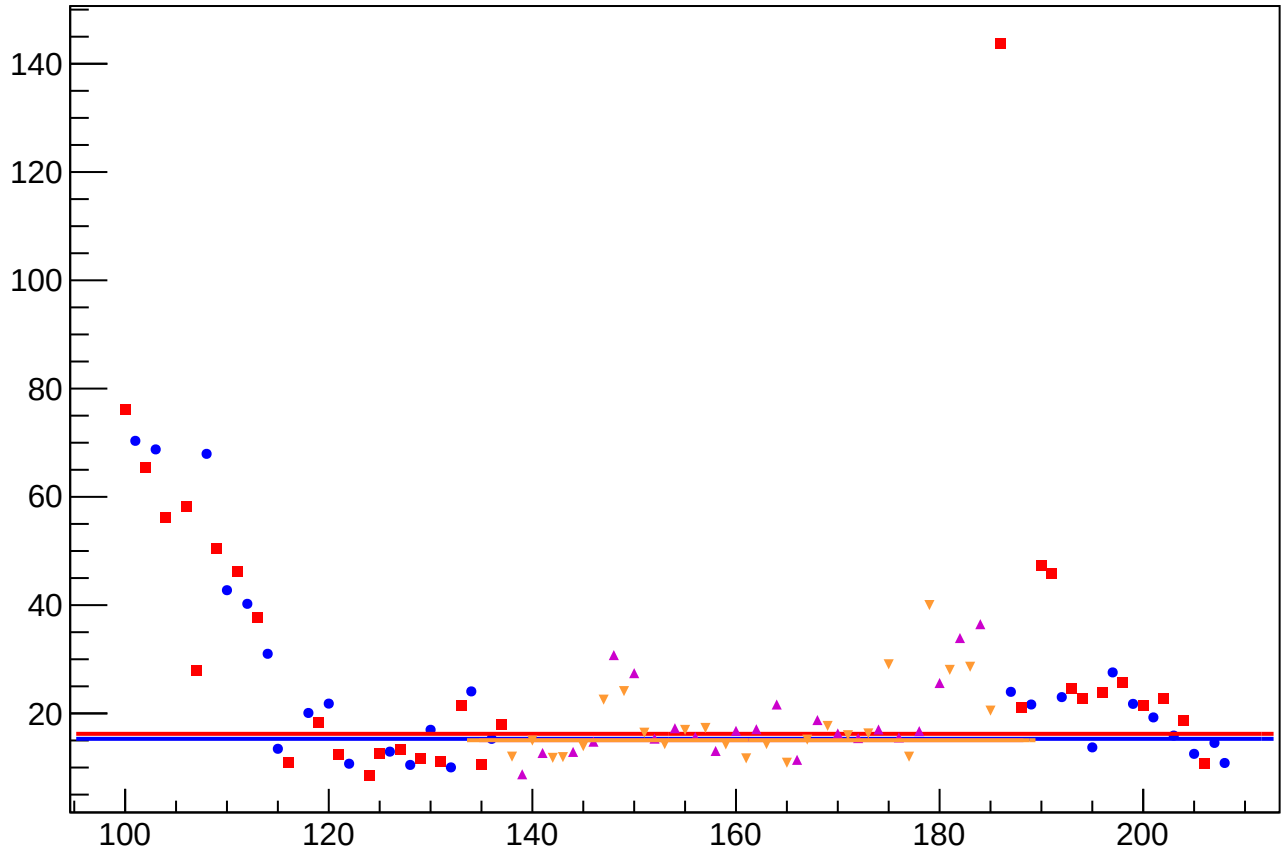
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.6/57

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/105



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

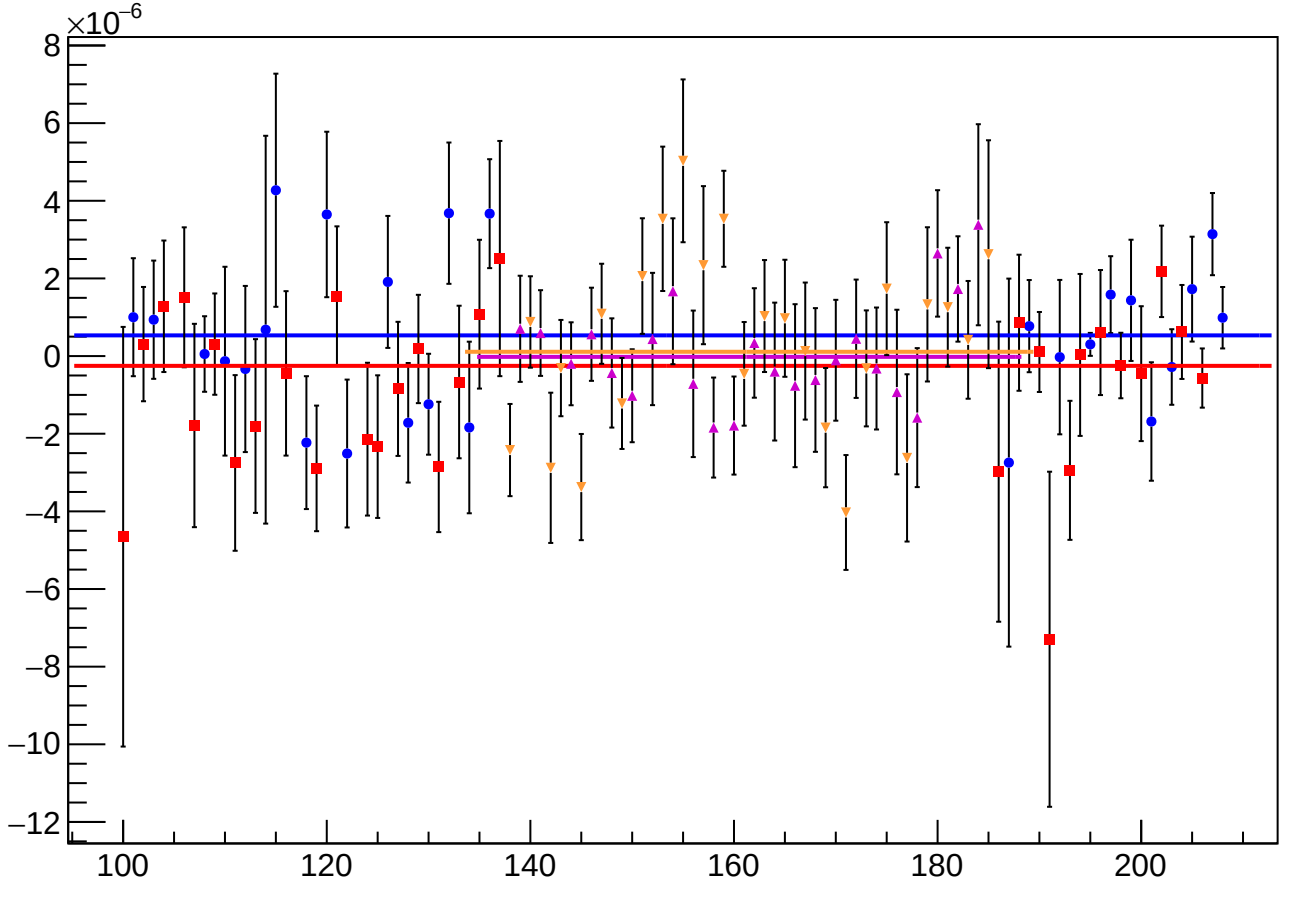
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.736+/-0.002 χ^2/NDF: 11122079.4/57

In: 15.169+/-0.002 χ^2/NDF:7734342.6/49

Out: 15.496+/-0.002 χ^2/NDF:9252742.2/55

All: 15.332+/-0.001 χ^2/NDF: 16999850.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

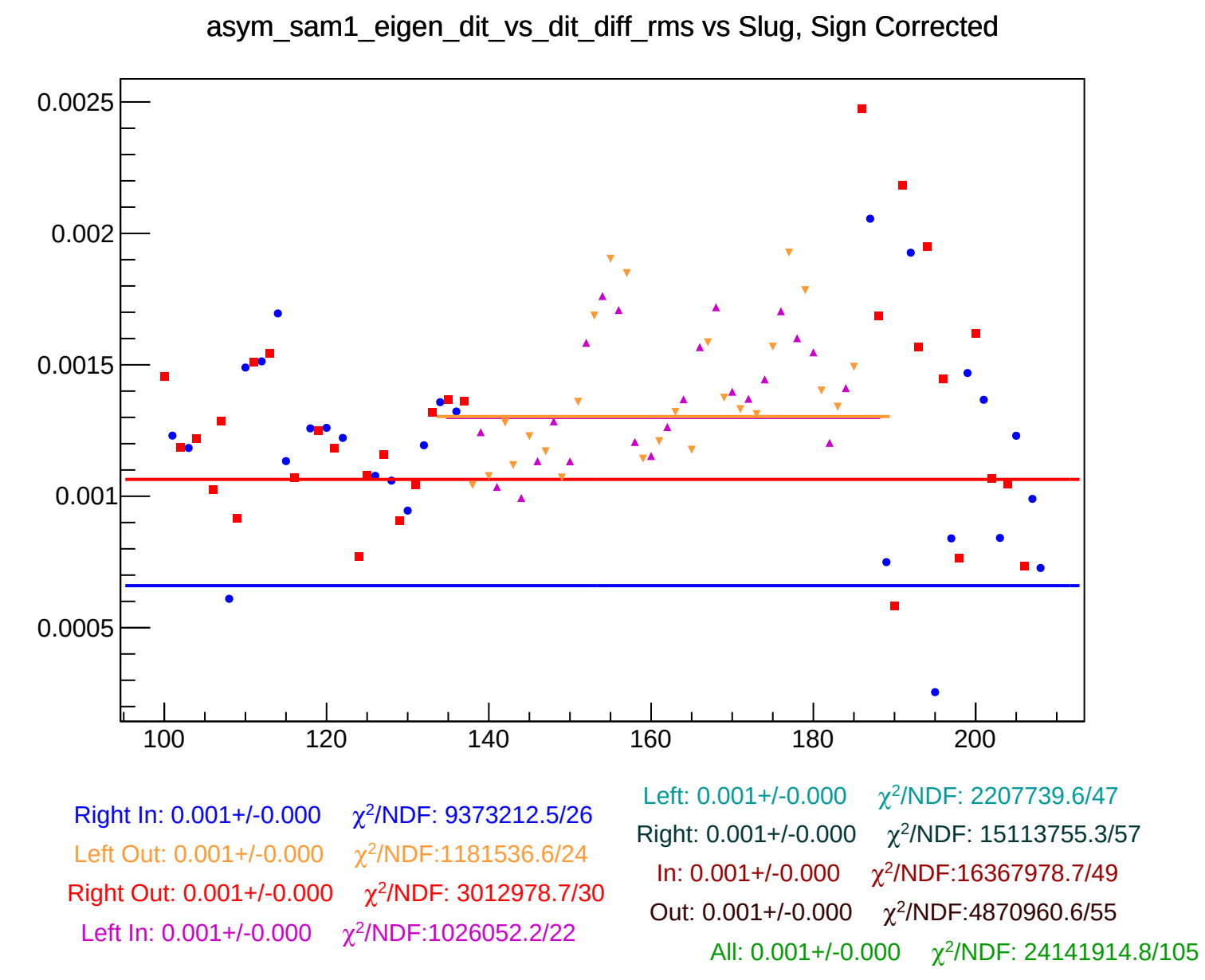
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

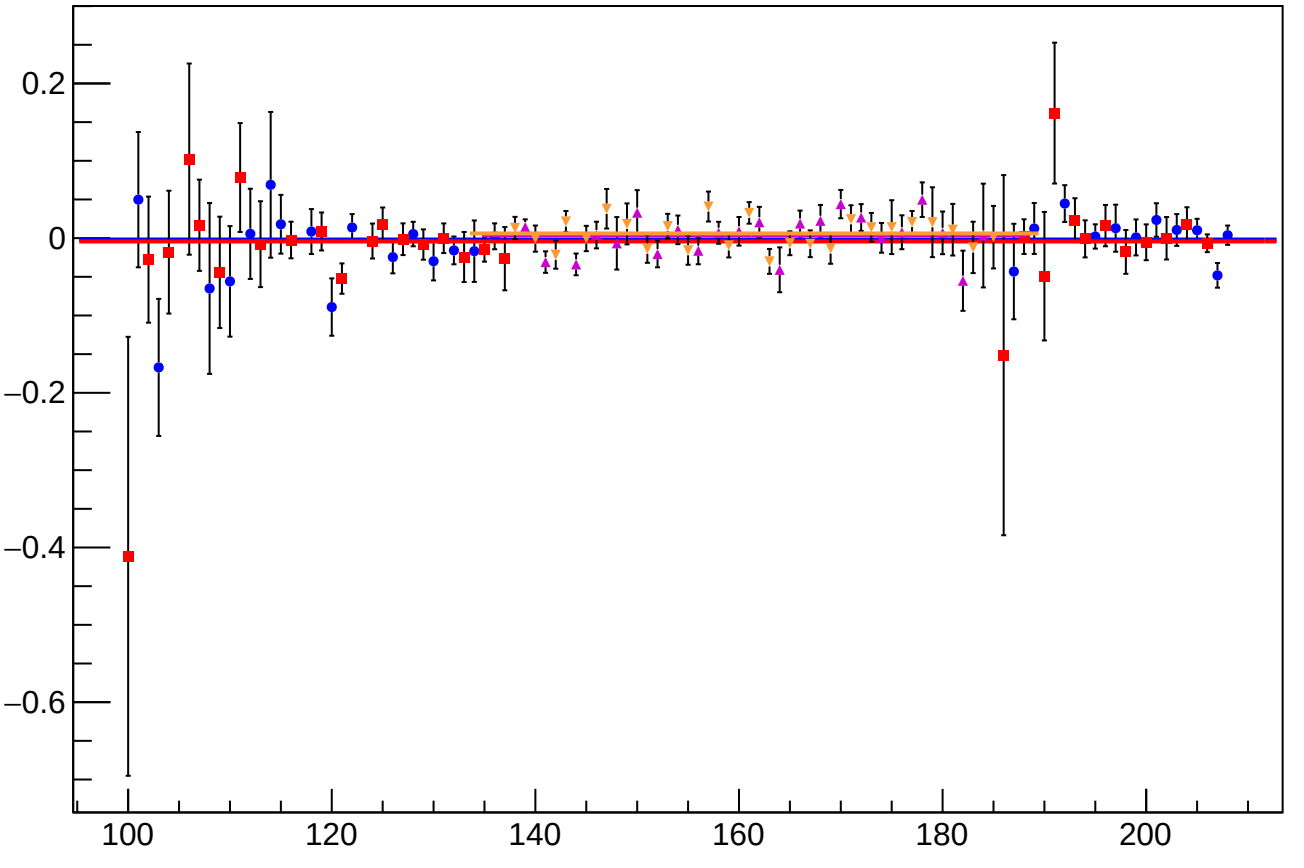
Right: 0.000+/-0.000 χ^2/NDF: 67.0/57

In: 0.000+/-0.000 χ^2/NDF:52.3/49

Out: -0.000+/-0.000 χ^2/NDF:76.7/55

All: 0.000+/-0.000 χ^2/NDF: 131.8/105


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9373212.5/26
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 3012978.7/30
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: 15113755.3/57
In: 0.001+/-0.000 χ²/NDF:16367978.7/49
Out: 0.001+/-0.000 χ²/NDF:4870960.6/55
All: 0.001+/-0.000 χ²/NDF: 24141914.8/105



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

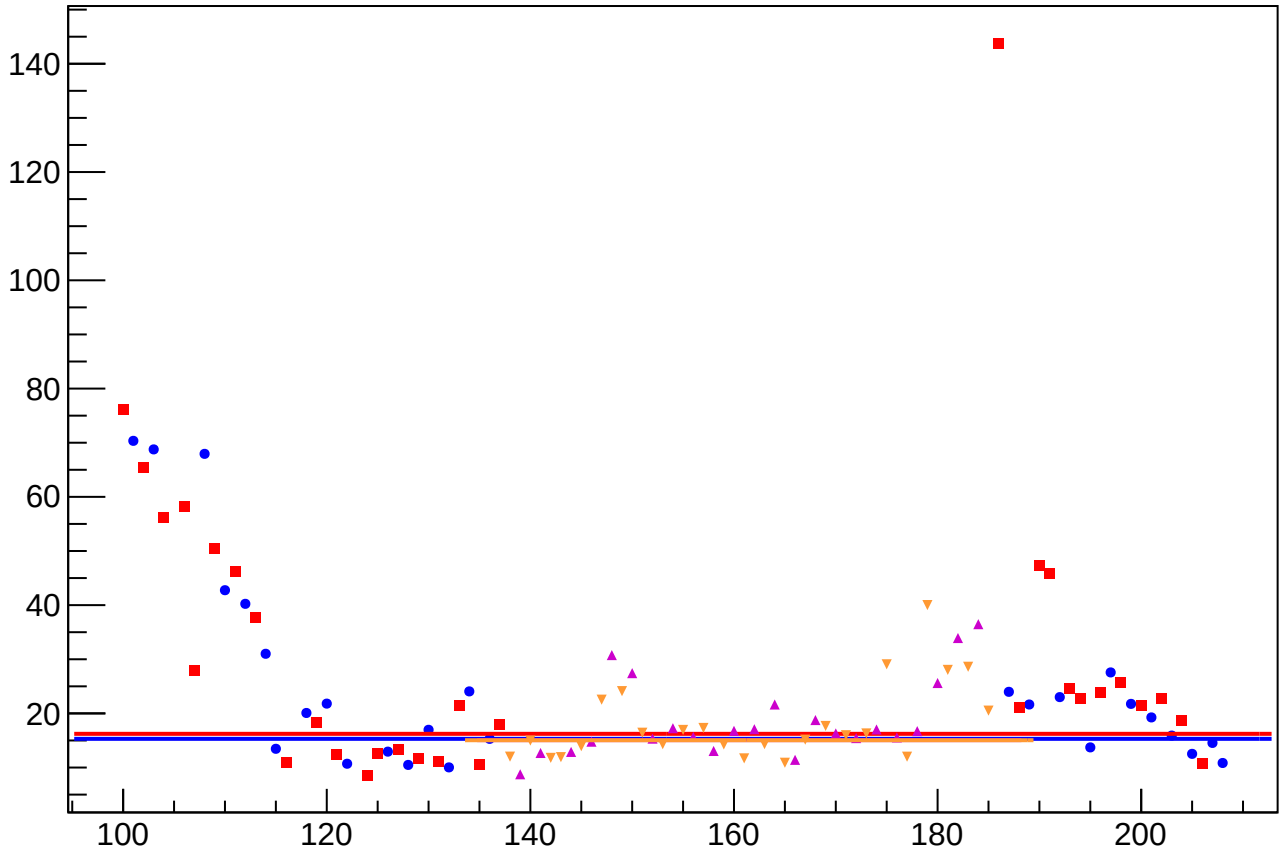
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.6/57

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/105



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

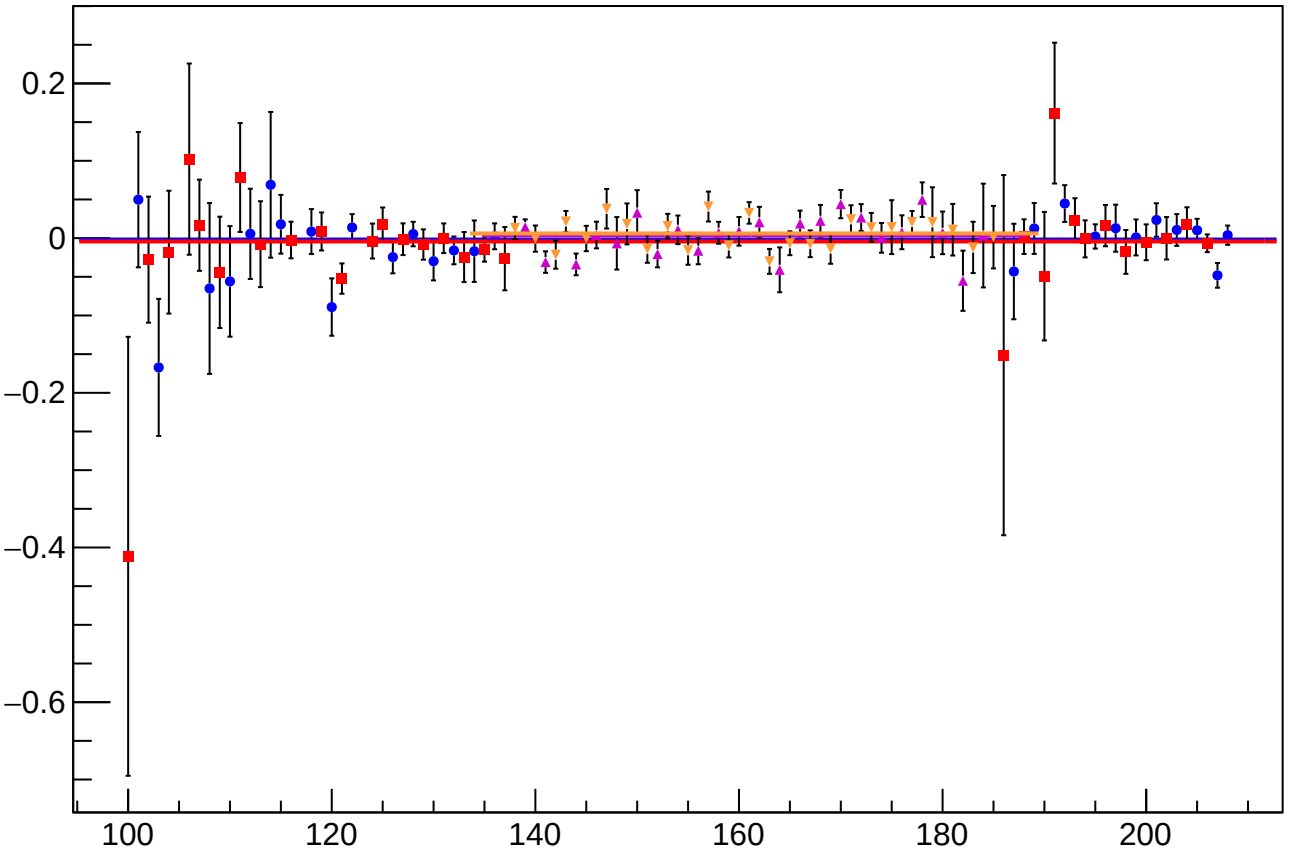
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.735+/-0.002 χ^2/NDF: 11122064.5/57

In: 15.168+/-0.002 χ^2/NDF:7734392.9/49

Out: 15.495+/-0.002 χ^2/NDF:9252922.1/55

All: 15.332+/-0.001 χ^2/NDF: 17000081.0/105



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

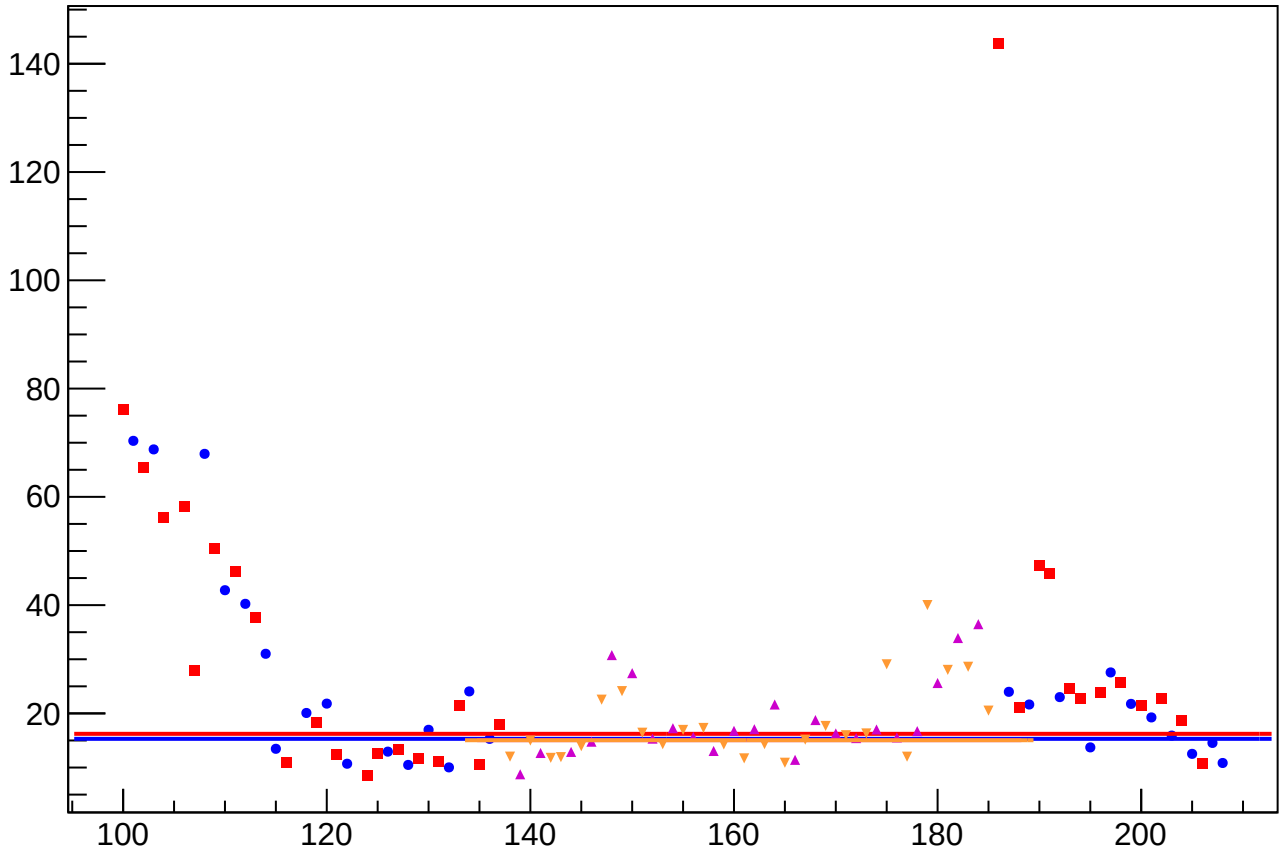
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.6/57

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/105



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

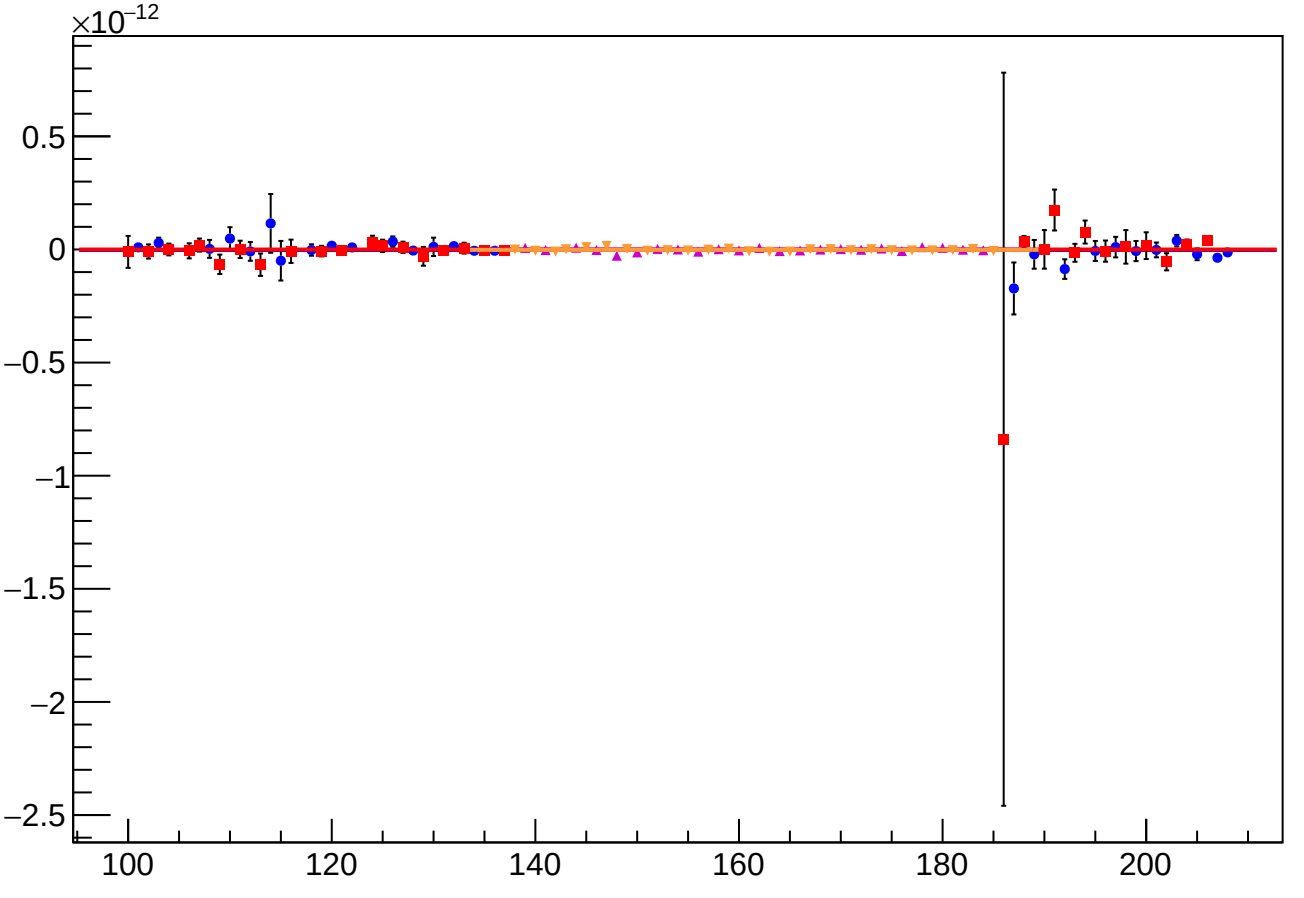
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.735+/-0.002 χ^2/NDF: 11122064.5/57

In: 15.168+/-0.002 χ^2/NDF:7734392.9/49

Out: 15.495+/-0.002 χ^2/NDF:9252922.1/55

All: 15.332+/-0.001 χ^2/NDF: 17000081.0/105



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/30

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

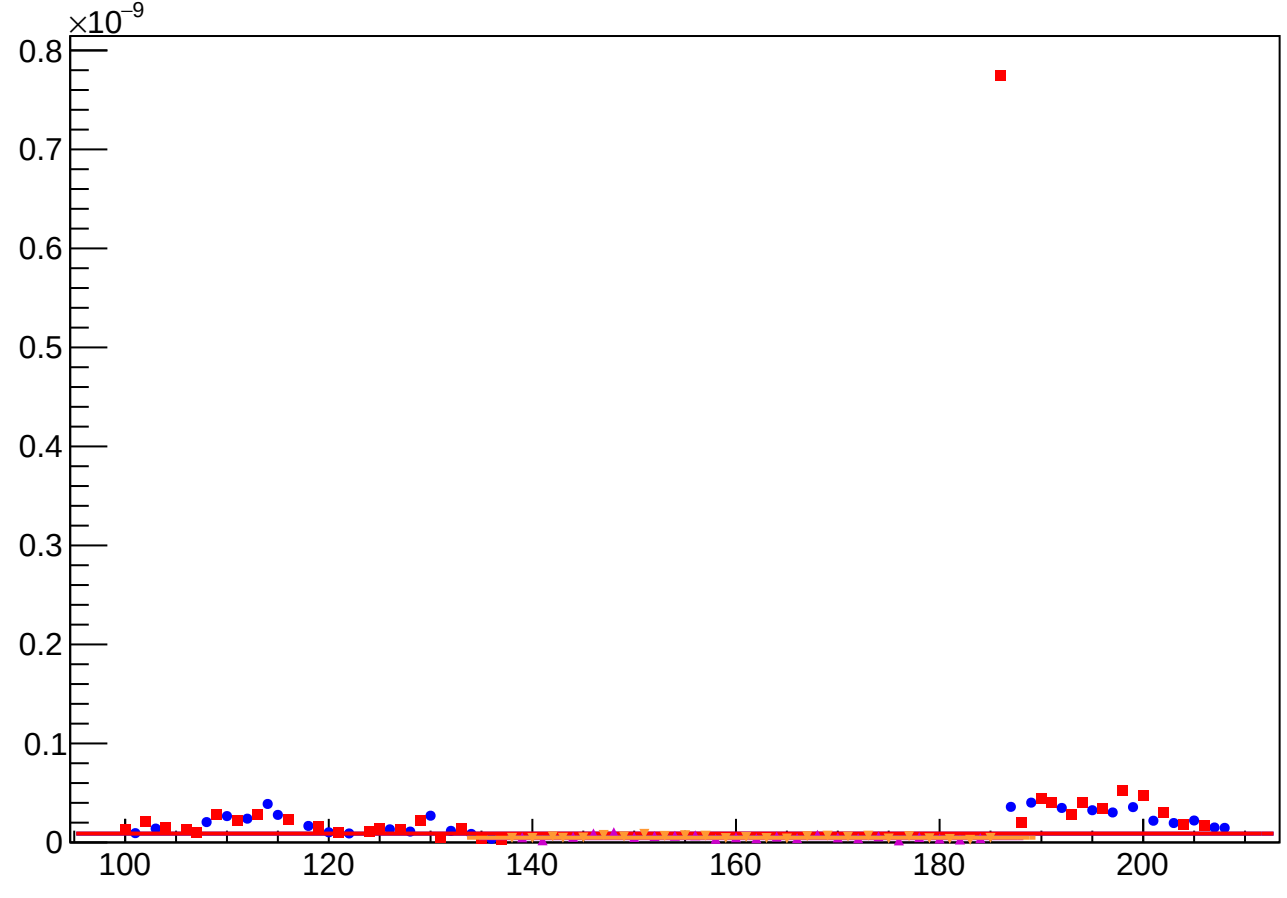
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.3/57

In: -0.000+/-0.000 χ^2/NDF:44.5/49

Out: -0.000+/-0.000 χ^2/NDF:37.6/55

All: -0.000+/-0.000 χ^2/NDF: 82.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 8794780.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10898086.7/30

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

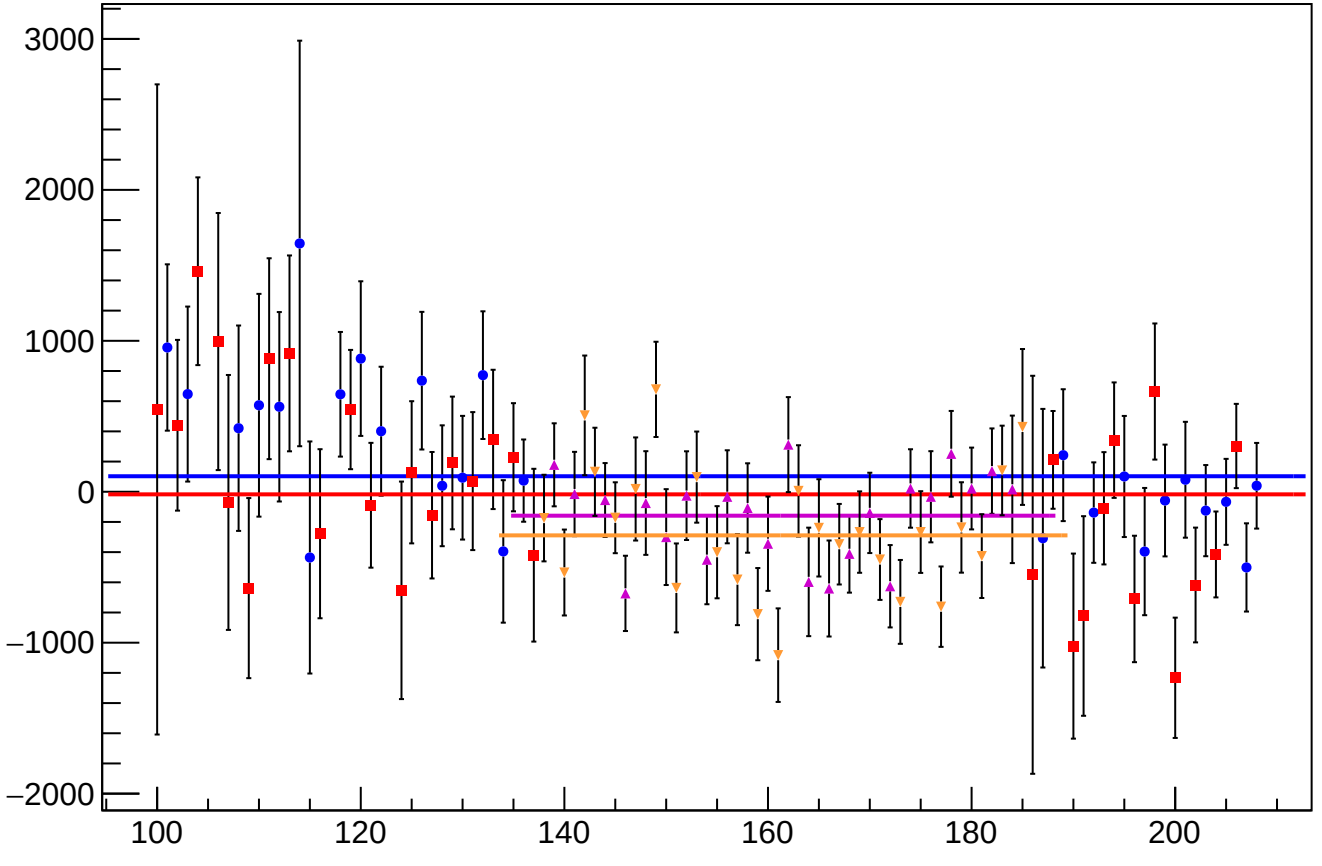
Right: 0.000+/-0.000 χ^2/NDF: 19693619.4/57

In: 0.000+/-0.000 χ^2/NDF:15359195.9/49

Out: 0.000+/-0.000 χ^2/NDF:15280451.0/55

All: 0.000+/-0.000 χ^2/NDF: 30748095.8/105

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 102.759+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -17.168+/-82.376 χ^2/NDF: 43.7/30

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

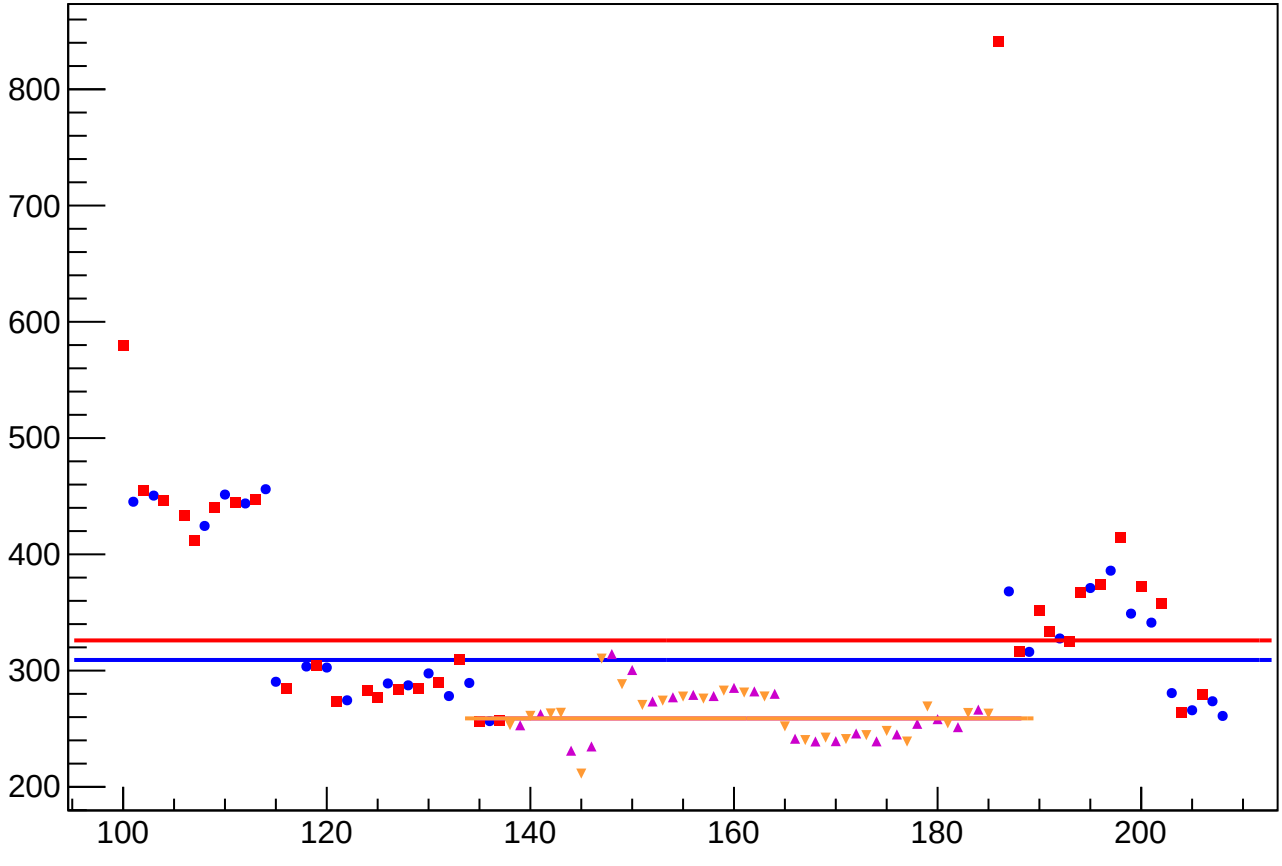
Right: 45.213+/-57.062 χ^2/NDF: 68.9/57

In: -61.750+/-48.163 χ^2/NDF:53.5/49

Out: -196.711+/-47.985 χ^2/NDF:93.3/55

All: -129.481+/-33.993 χ^2/NDF: 150.7/105

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 309.152+/-0.056 χ^2/NDF: 922232.0/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.970+/-0.058 χ^2/NDF: 1331757.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

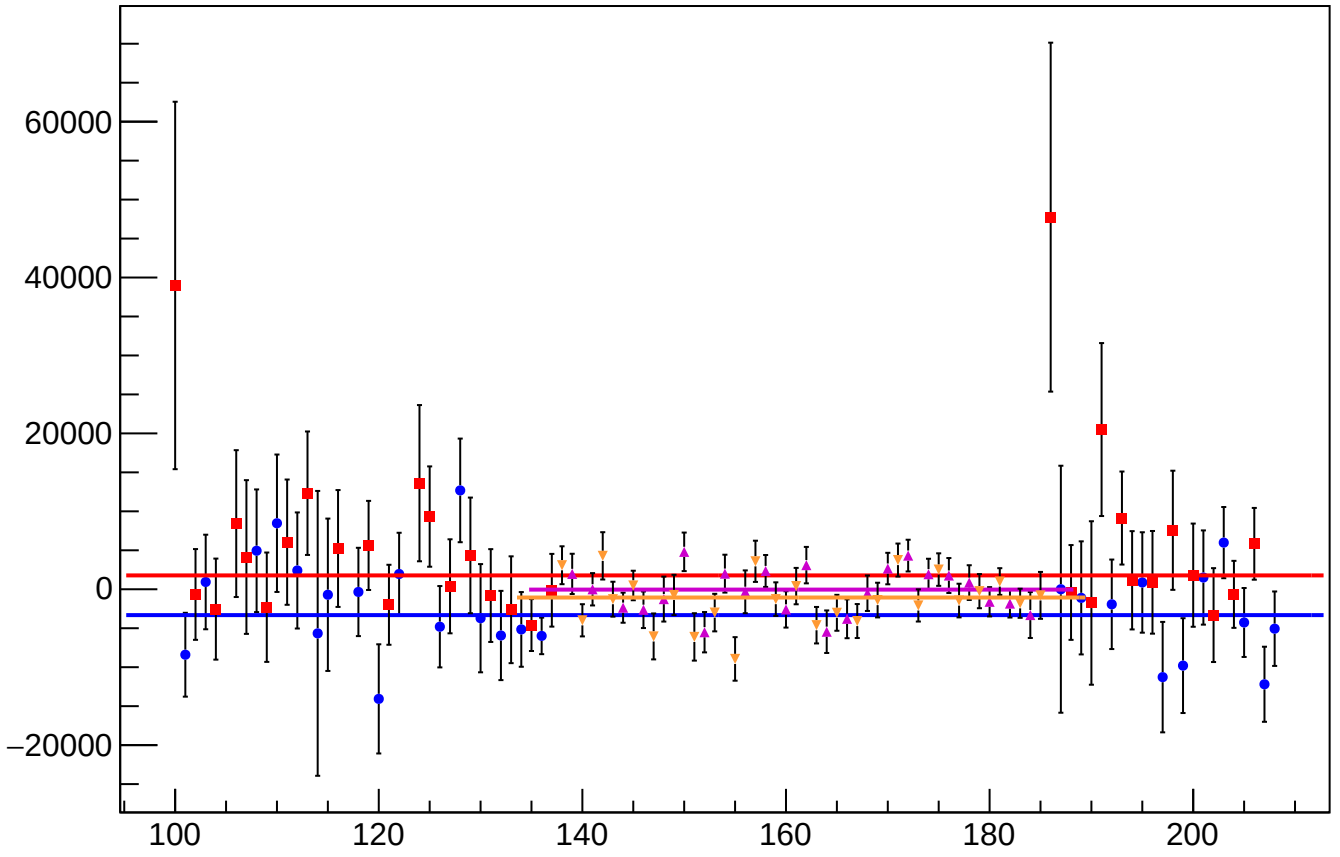
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 317.222+/-0.040 χ^2/NDF: 2297350.5/57

In: 277.486+/-0.034 χ^2/NDF:1676170.9/49

Out: 281.666+/-0.034 χ^2/NDF:2456135.0/55

All: 279.584+/-0.024 χ^2/NDF: 4139866.9/105



Right In: -3316.922+/-1064.025 χ^2/NDF: 27.5/26

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1778.165+/-1138.625 χ^2/NDF: 25.9/30

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

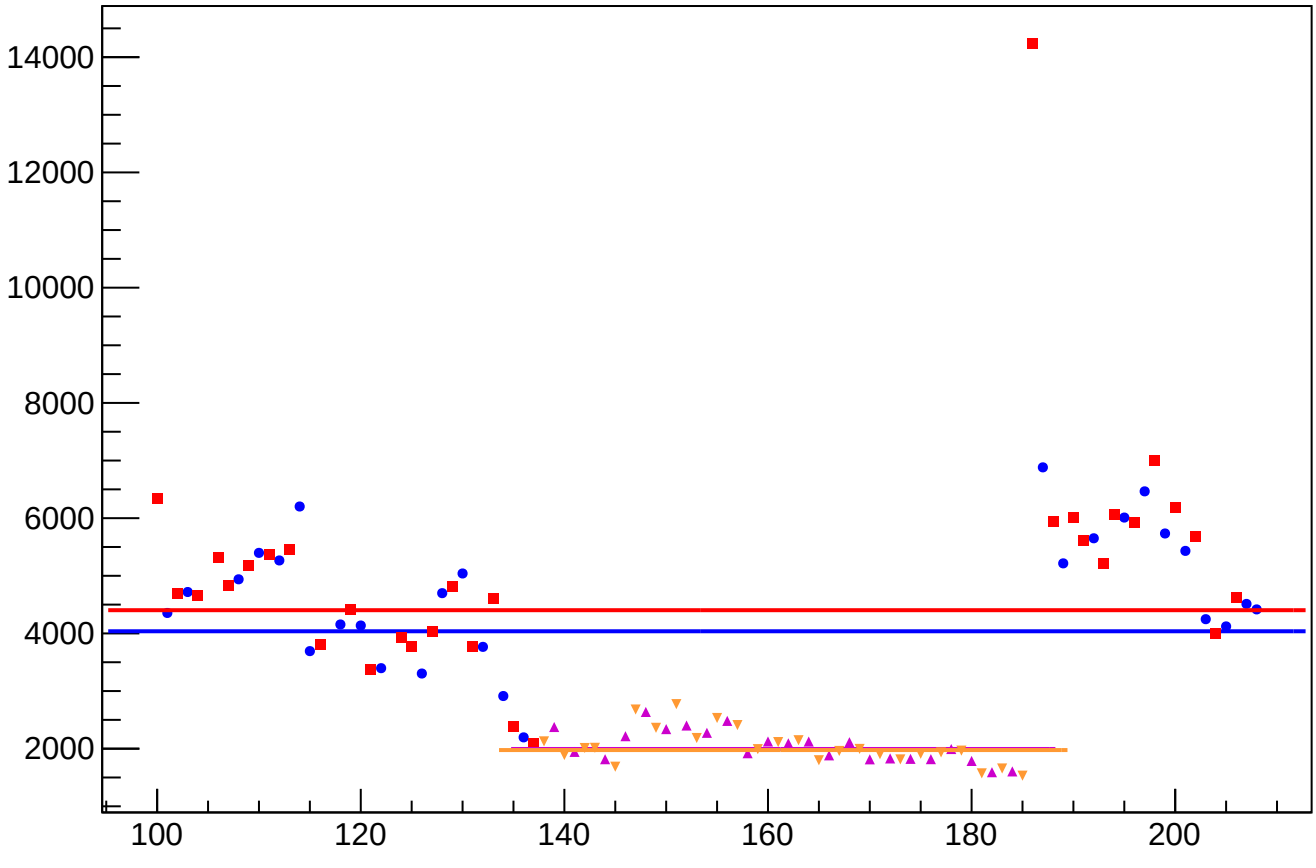
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -941.742+/-777.415 χ^2/NDF: 64.0/57

In: -579.967+/-430.461 χ^2/NDF:69.6/49

Out: -669.045+/-422.236 χ^2/NDF:72.7/55

All: -625.365+/-301.432 χ^2/NDF: 142.3/105



Right In: 4037.462+/-0.752 χ^2/NDF: 2667644.4/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4403.154+/-0.805 χ^2/NDF: 2871642.6/30

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

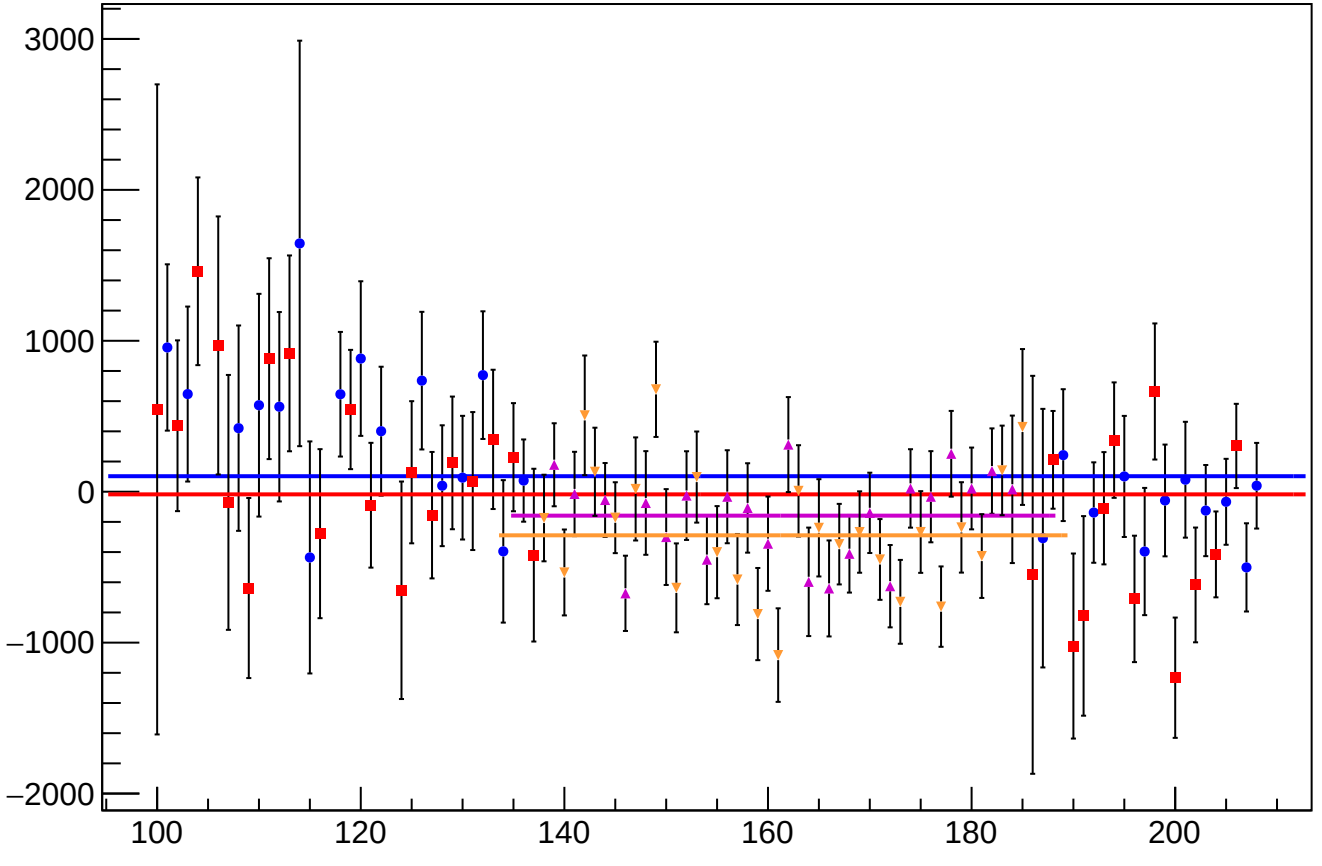
Right: 4207.937+/-0.550 χ^2/NDF: 5649416.4/57

In: 2329.085+/-0.304 χ^2/NDF:9432380.8/49

Out: 2309.742+/-0.299 χ^2/NDF:11473357.3/55

All: 2319.227+/-0.213 χ^2/NDF: 20907796.3/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -17.566+/-82.379 χ^2/NDF: 43.6/30

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

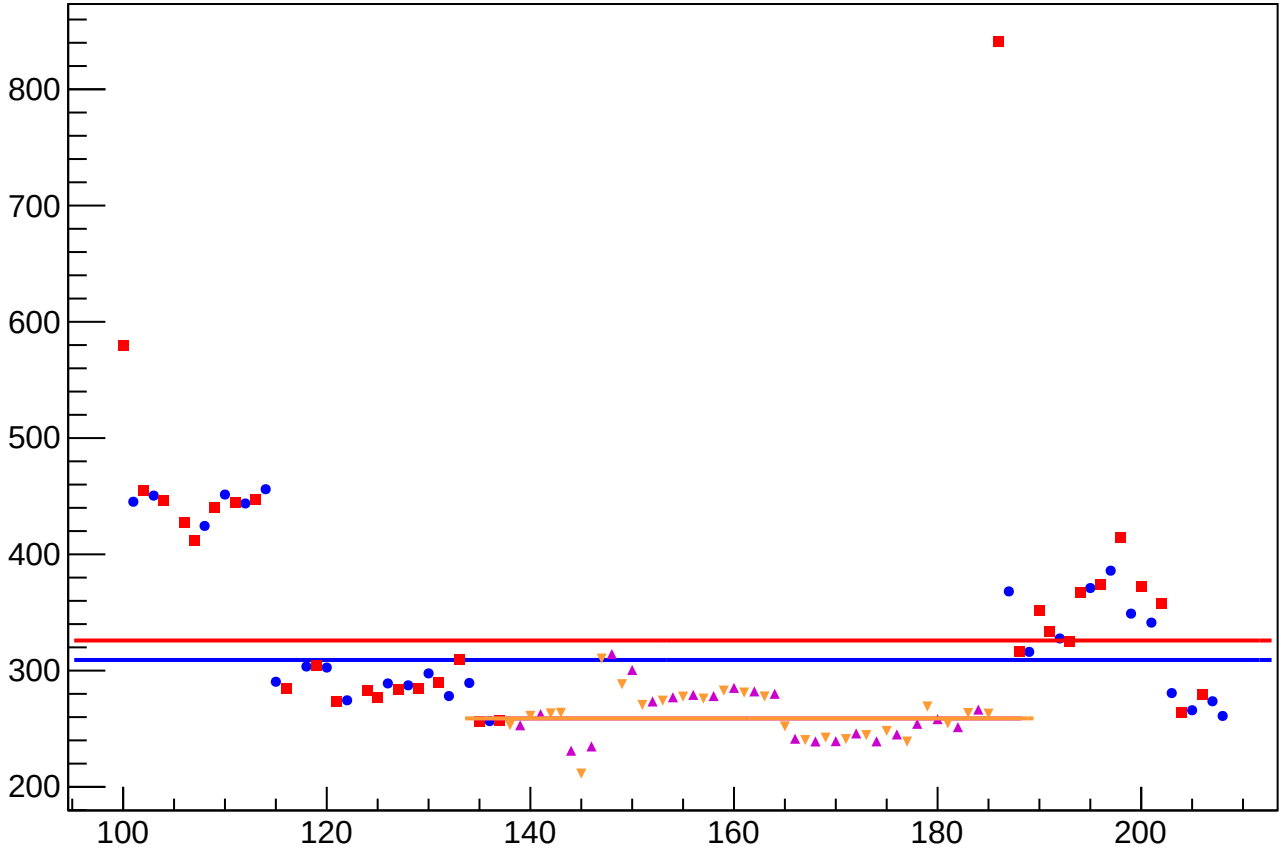
Right: 45.009+/-57.064 χ^2/NDF: 68.8/57

In: -61.768+/-48.163 χ^2/NDF:53.5/49

Out: -196.855+/-47.986 χ^2/NDF:93.2/55

All: -129.561+/-33.994 χ^2/NDF: 150.6/105

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

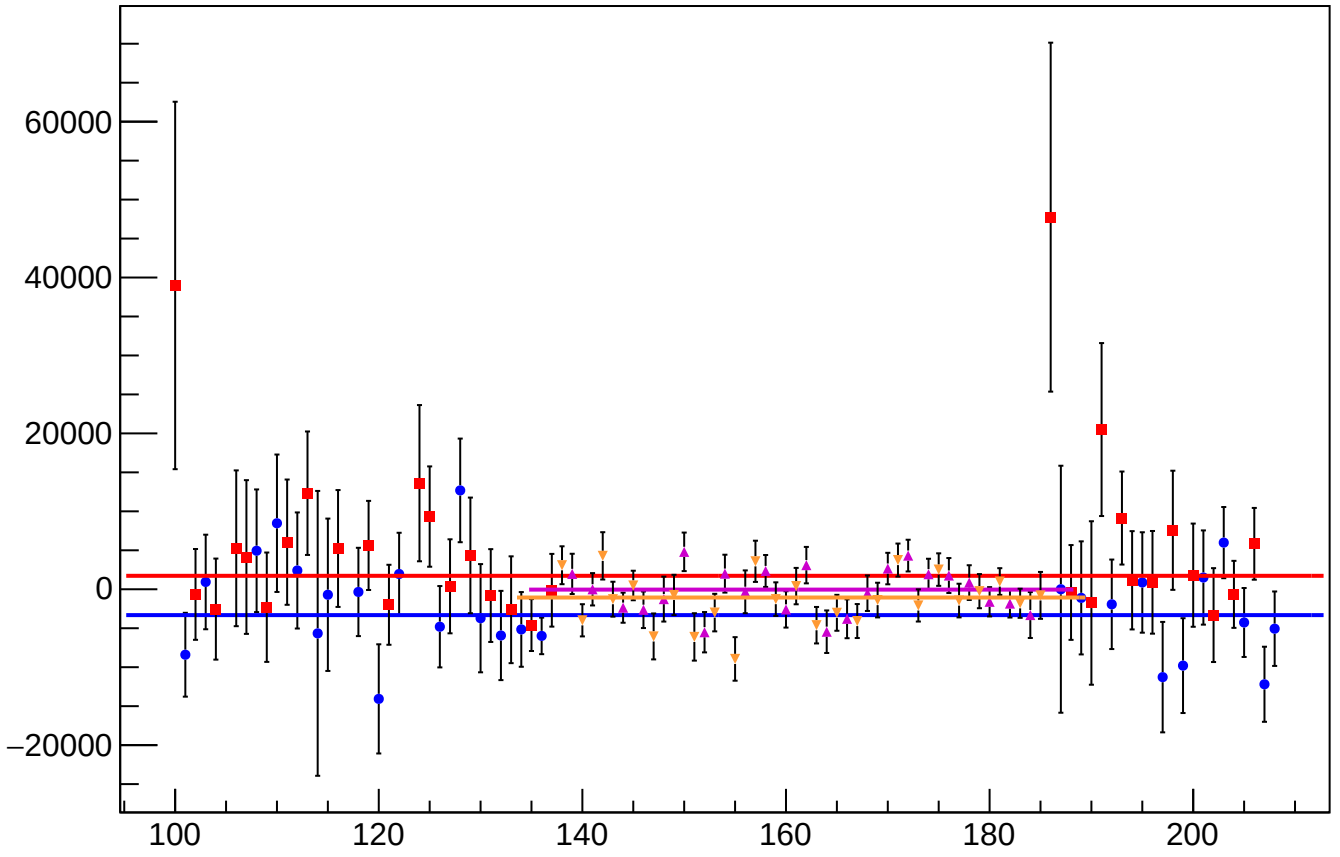
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 317.189+/-0.040 χ^2/NDF: 2293082.7/57

In: 277.486+/-0.034 χ^2/NDF:1676172.5/49

Out: 281.641+/-0.034 χ^2/NDF:2450370.5/55

All: 279.571+/-0.024 χ^2/NDF: 4134014.6/105



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1726.522+/-1139.576 χ^2/NDF: 25.5/30

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

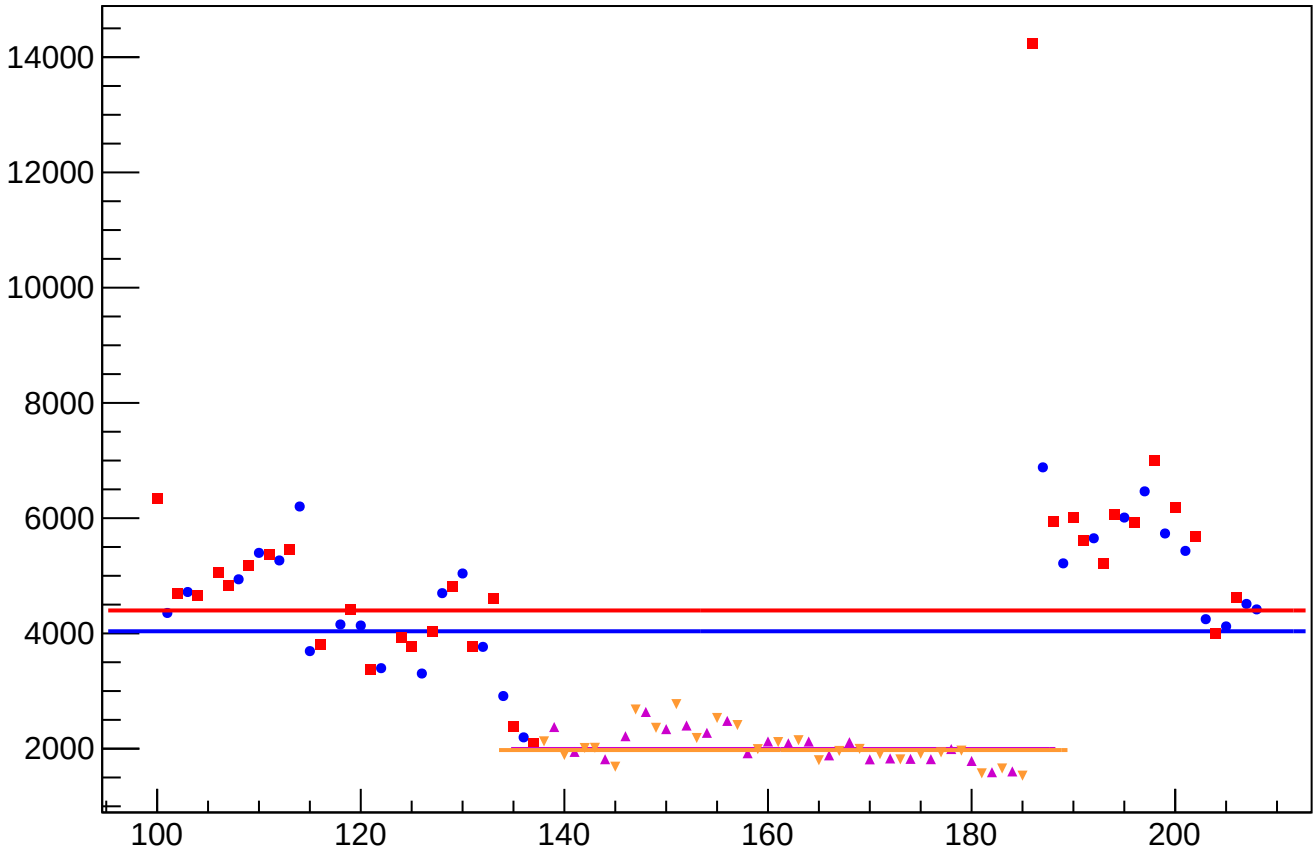
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -967.895+/-777.719 χ^2/NDF: 63.4/57

In: -579.958+/-430.461 χ^2/NDF:69.6/49

Out: -676.701+/-422.285 χ^2/NDF:72.1/55

All: -629.257+/-301.450 χ^2/NDF: 141.7/105



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

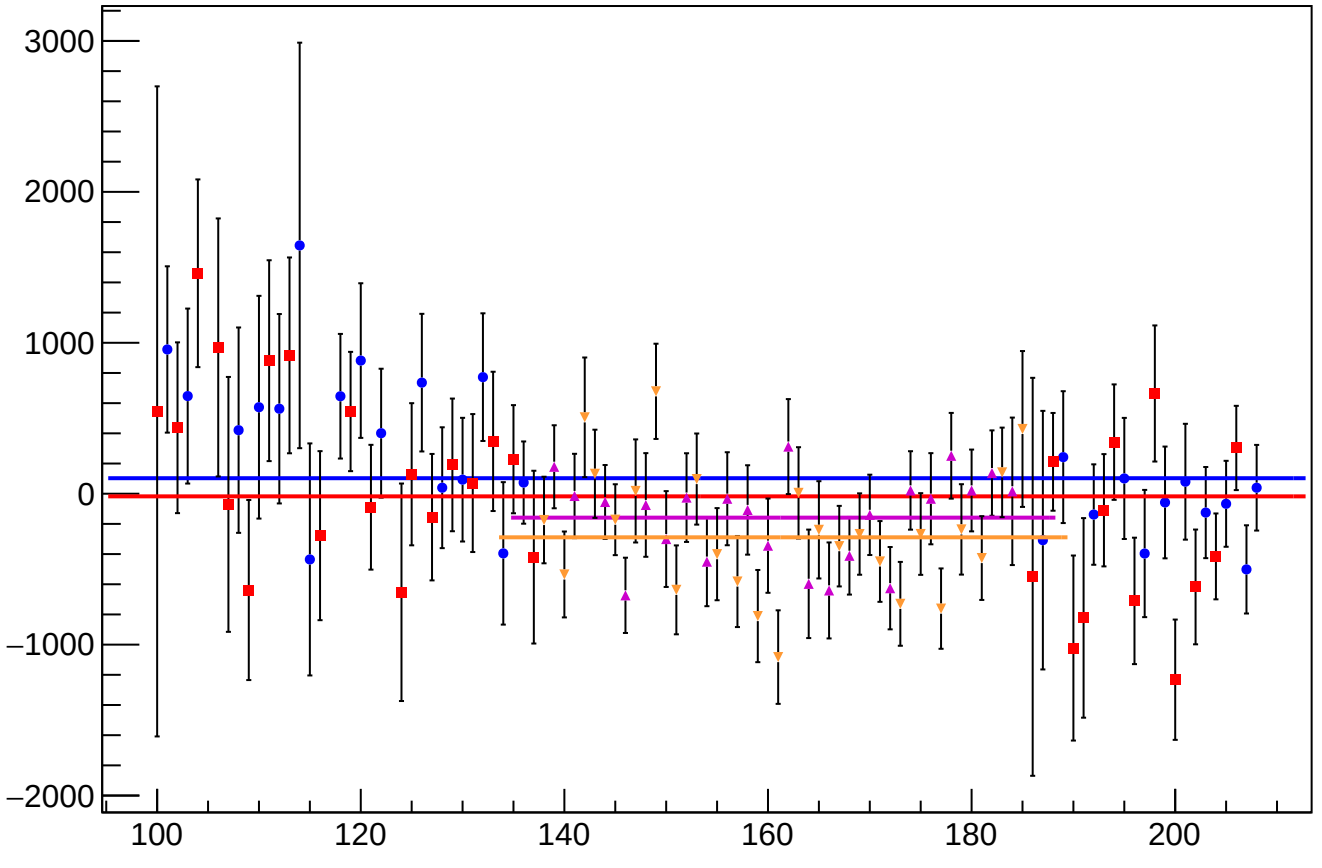
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4205.649+/-0.550 χ^2/NDF: 5636831.3/57

In: 2329.085+/-0.304 χ^2/NDF:9432400.7/49

Out: 2308.631+/-0.299 χ^2/NDF:11422739.7/55

All: 2318.662+/-0.213 χ^2/NDF: 20857441.6/



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -17.566+/-82.379 χ^2/NDF: 43.6/30

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

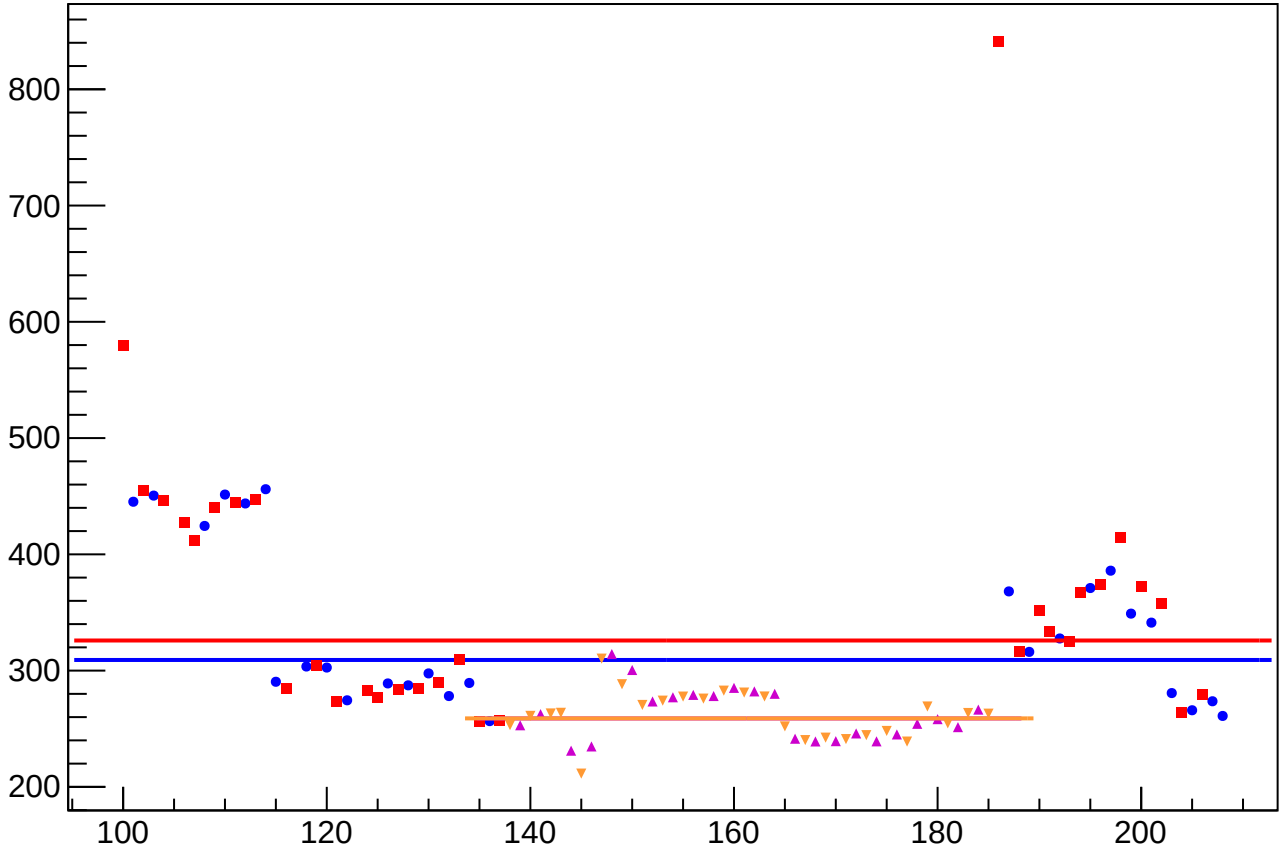
Right: 45.009+/-57.064 χ^2/NDF: 68.8/57

In: -61.768+/-48.163 χ^2/NDF:53.5/49

Out: -196.855+/-47.986 χ^2/NDF:93.2/55

All: -129.561+/-33.994 χ^2/NDF: 150.6/105

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

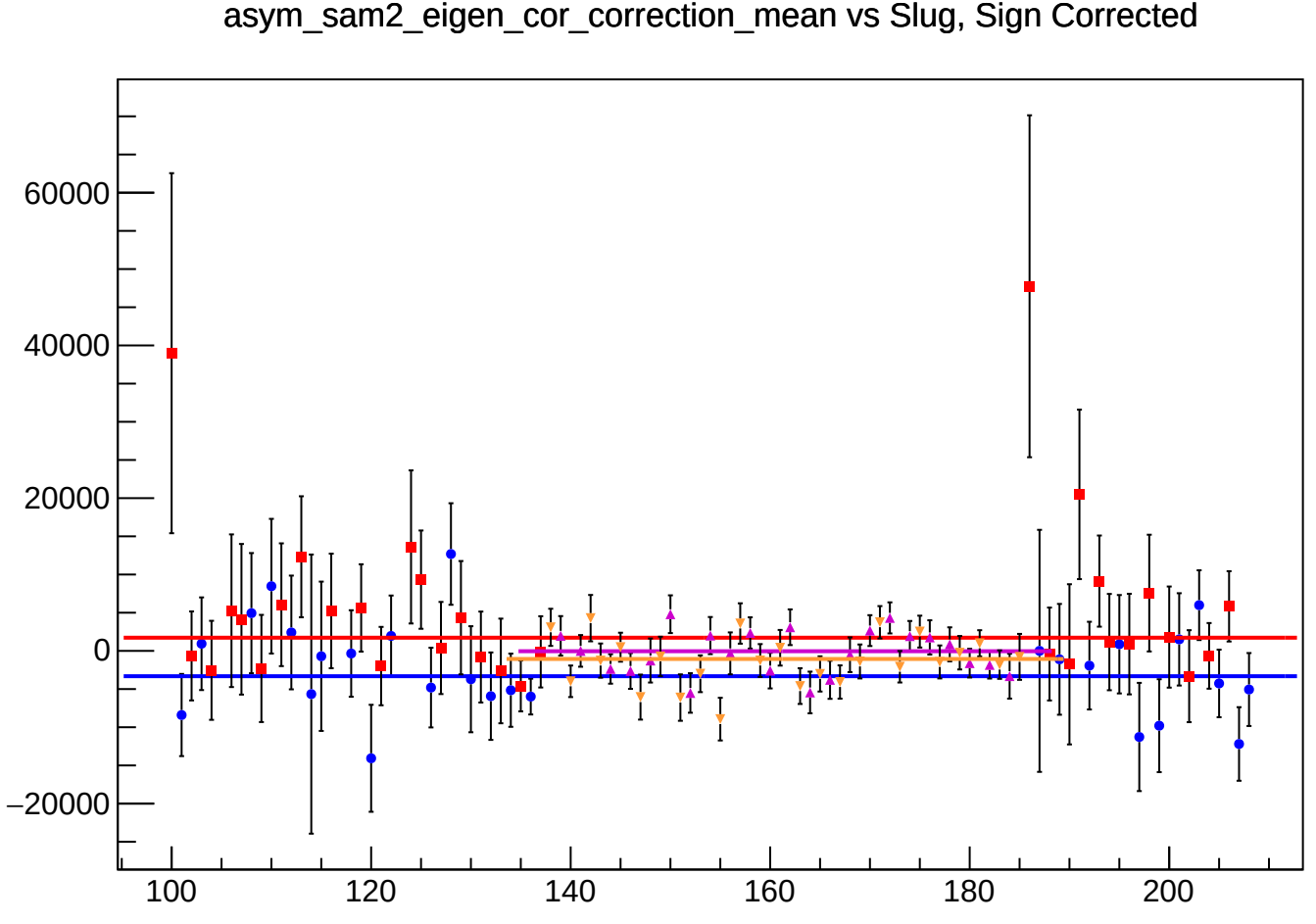
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 317.189+/-0.040 χ^2/NDF: 2293082.7/57

In: 277.486+/-0.034 χ^2/NDF:1676172.5/49

Out: 281.641+/-0.034 χ^2/NDF:2450370.5/55

All: 279.571+/-0.024 χ^2/NDF: 4134014.6/105



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1726.522+/-1139.576 χ^2/NDF: 25.5/30

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

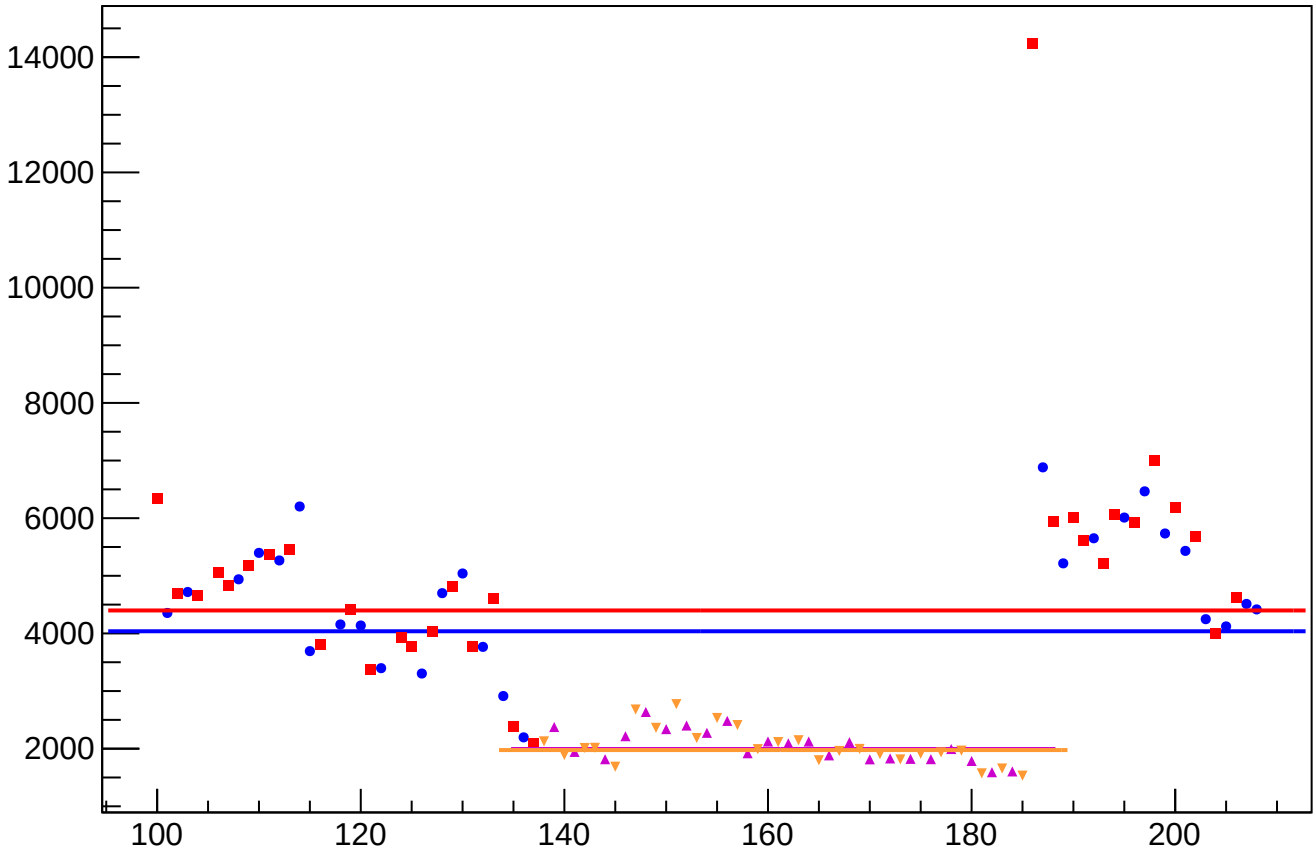
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -967.895+/-777.719 χ^2/NDF: 63.4/57

In: -579.958+/-430.461 χ^2/NDF:69.6/49

Out: -676.701+/-422.285 χ^2/NDF:72.1/55

All: -629.257+/-301.450 χ^2/NDF: 141.7/105



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

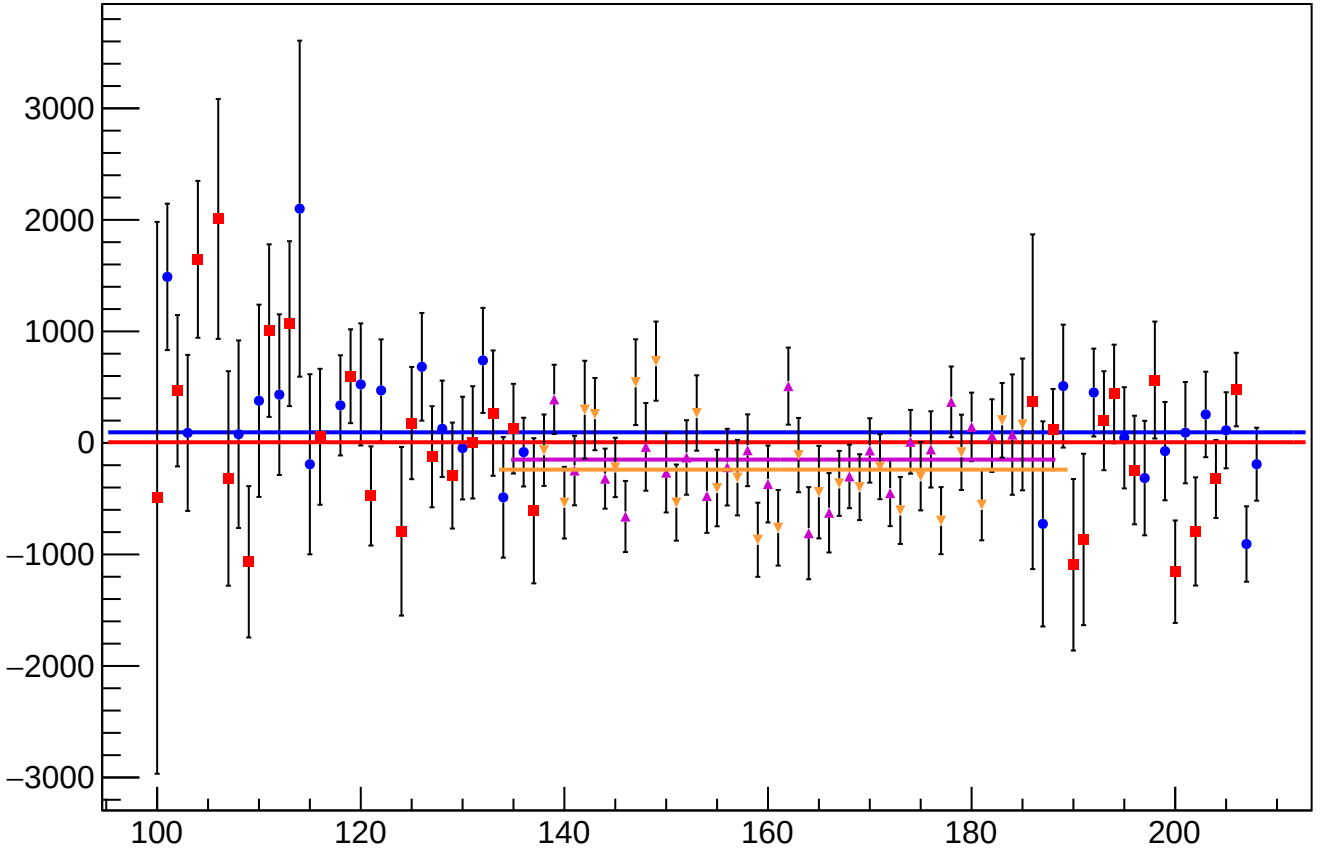
Right: 4205.649+/-0.550 χ^2/NDF: 5636831.3/57

In: 2329.085+/-0.304 χ^2/NDF:9432400.7/49

Out: 2308.631+/-0.299 χ^2/NDF:11422739.7/55

All: 2318.662+/-0.213 χ^2/NDF: 20857441.6/

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 95.058+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 6.098+/-94.577 χ^2/NDF: 39.9/30

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

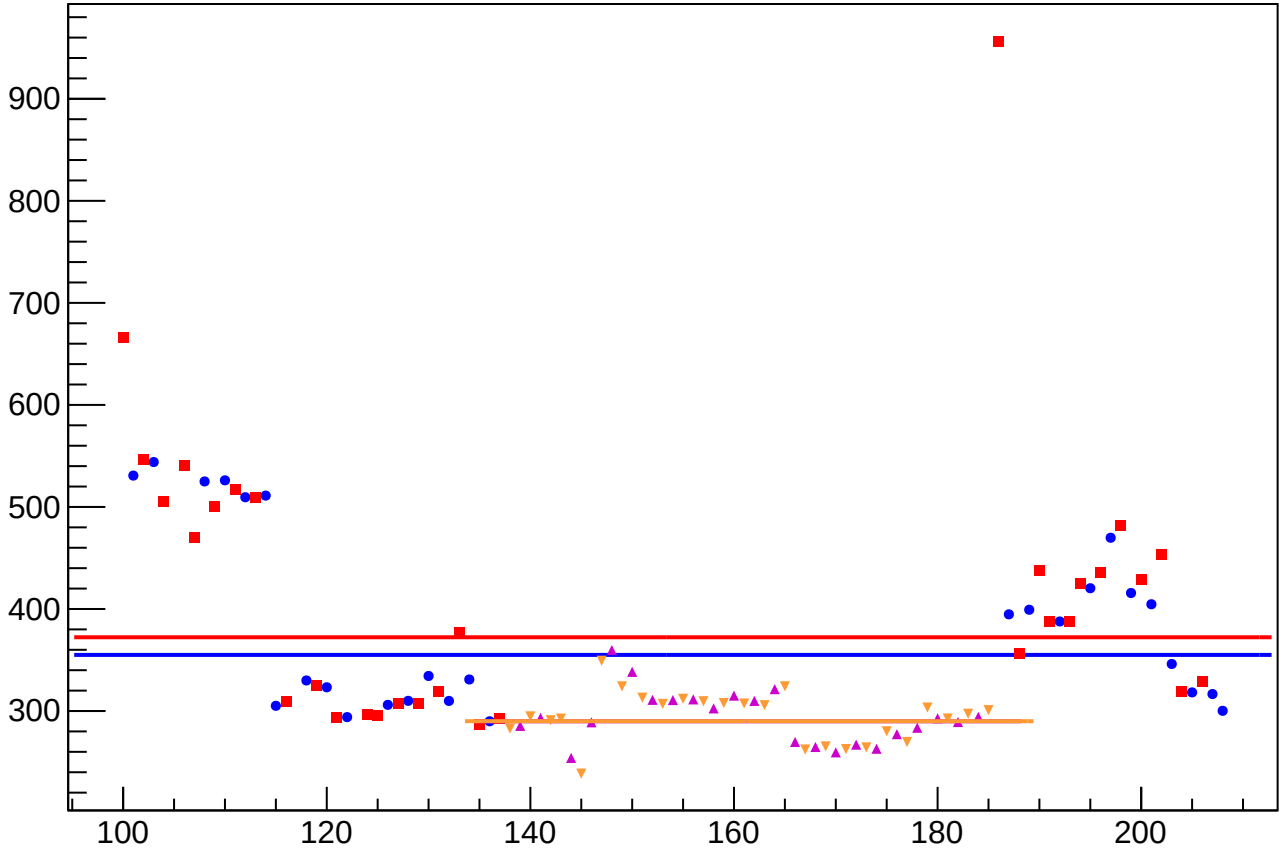
Right: 52.146+/-65.686 χ^2/NDF: 66.3/57

In: -61.988+/-54.618 χ^2/NDF:52.3/49

Out: -158.826+/-54.216 χ^2/NDF:78.5/55

All: -110.764+/-38.478 χ^2/NDF: 132.3/105

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 355.000+/-0.065 χ^2/NDF: 1116862.8/26

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 372.283+/-0.067 χ^2/NDF: 1547817.0/30

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

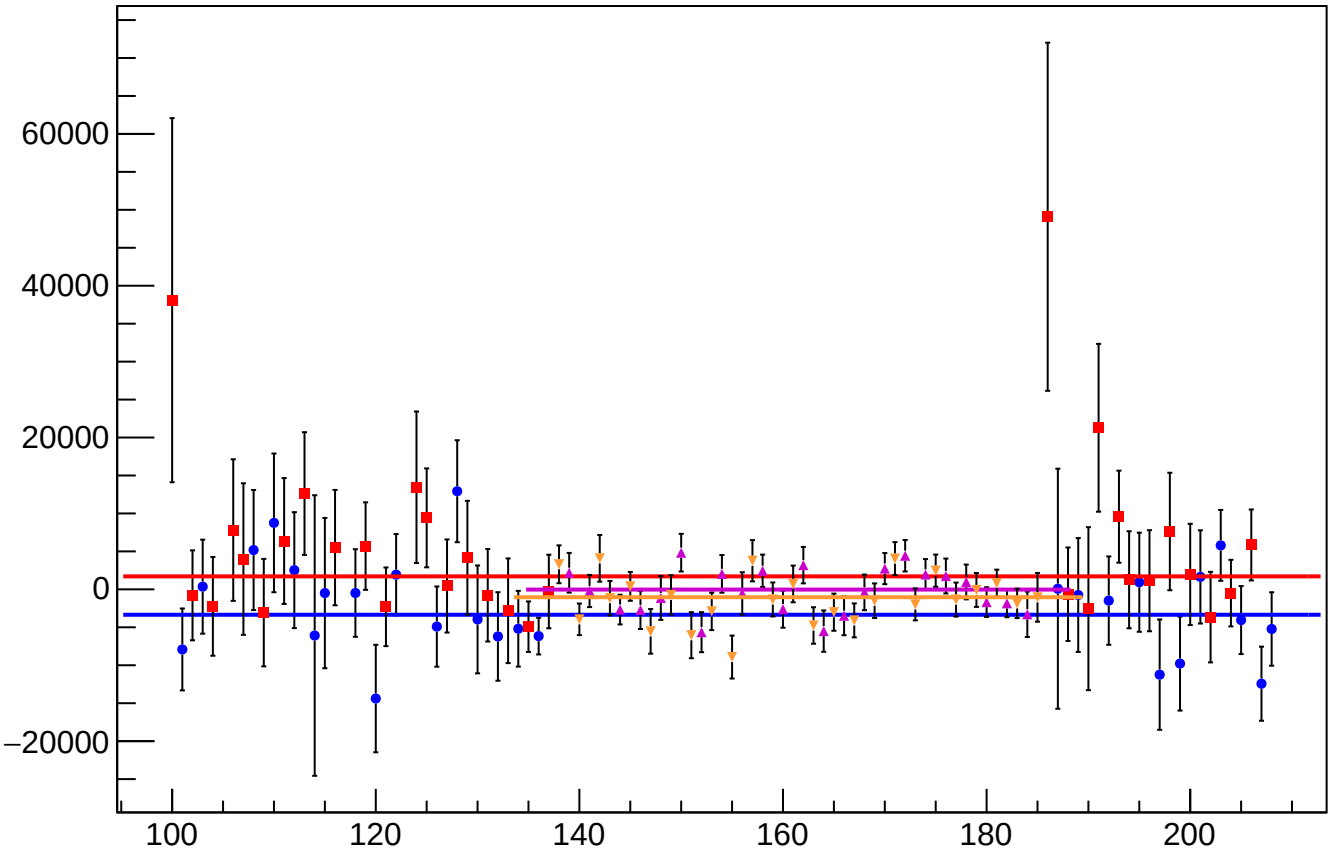
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 363.337+/-0.046 χ^2/NDF: 2699249.9/57

In: 313.224+/-0.039 χ^2/NDF:2038652.5/49

Out: 317.055+/-0.038 χ^2/NDF:2844265.2/55

All: 315.154+/-0.027 χ^2/NDF: 4887871.8/105



Right In: -3347.337+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1709.764+/-1152.359 χ^2/NDF: 26.8/30

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

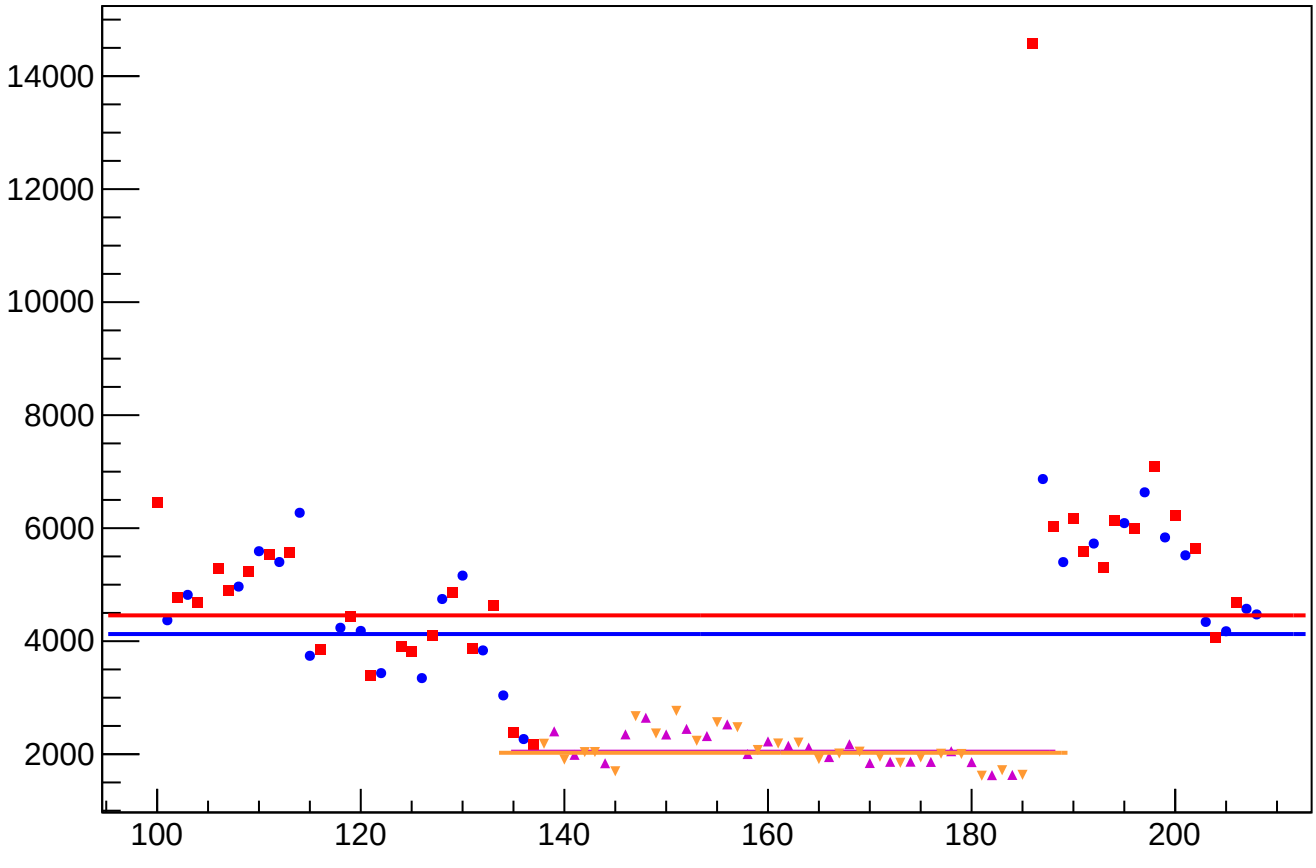
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -969.636+/-790.161 χ^2/NDF: 64.1/57

In: -577.170+/-440.741 χ^2/NDF:69.0/49

Out: -651.565+/-431.474 χ^2/NDF:71.9/55

All: -615.158+/-308.322 χ^2/NDF: 141.0/105



Right In: 4126.267+/-0.768 χ^2/NDF: 2582838.0/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4456.729+/-0.815 χ^2/NDF: 2859529.1/30

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

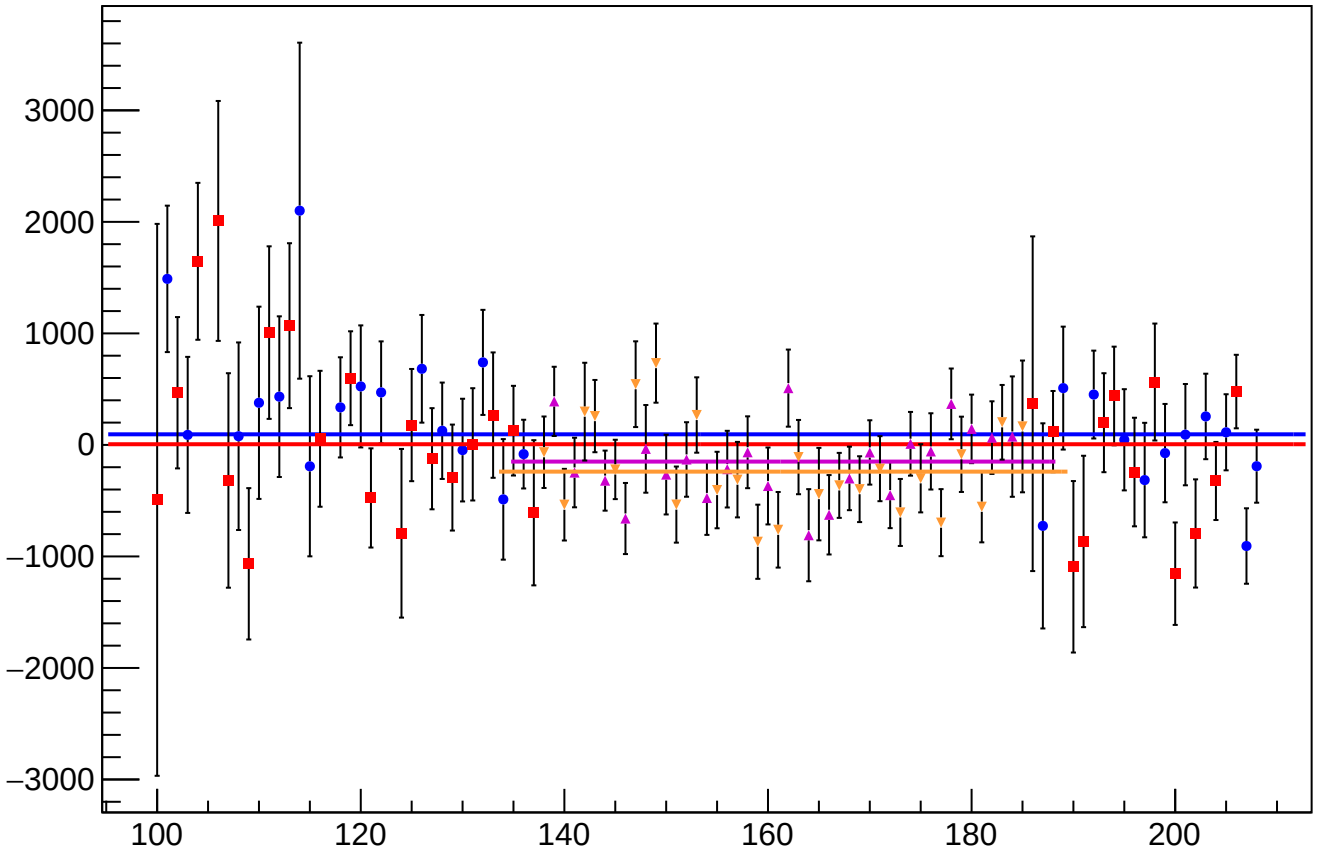
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4281.641+/-0.559 χ^2/NDF: 5529510.3/57

In: 2387.685+/-0.312 χ^2/NDF:9310432.0/49

Out: 2365.991+/-0.305 χ^2/NDF:11217274.9/55

All: 2376.607+/-0.218 χ^2/NDF: 20530181.1/1



Right In: 95.064+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 6.099+/-94.577 χ^2/NDF: 39.9/30

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

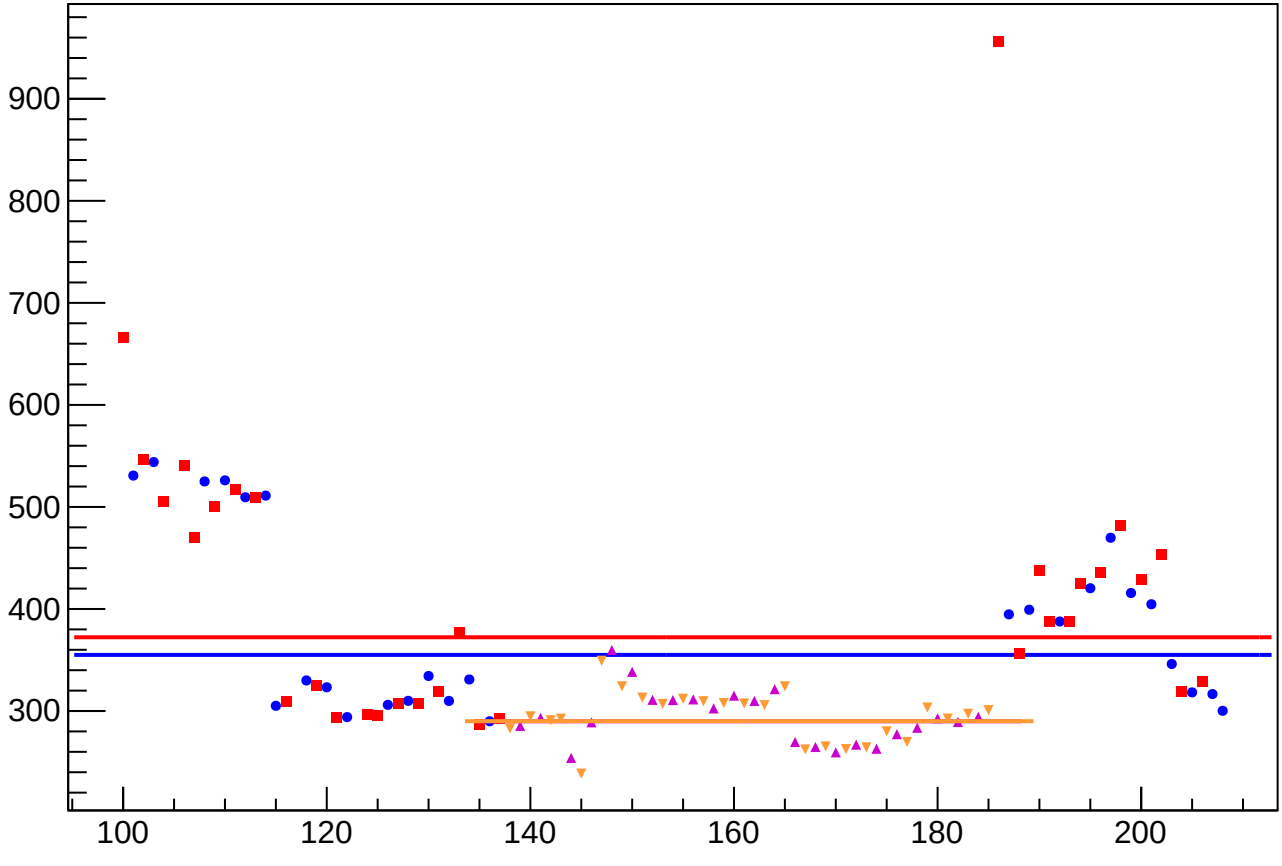
Right: 52.150+/-65.686 χ^2/NDF: 66.3/57

In: -61.986+/-54.618 χ^2/NDF:52.3/49

Out: -158.827+/-54.216 χ^2/NDF:78.5/55

All: -110.764+/-38.478 χ^2/NDF: 132.3/105

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 354.999+/-0.065 χ^2/NDF: 1116857.0/26

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 372.282+/-0.067 χ^2/NDF: 1547808.8/30

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

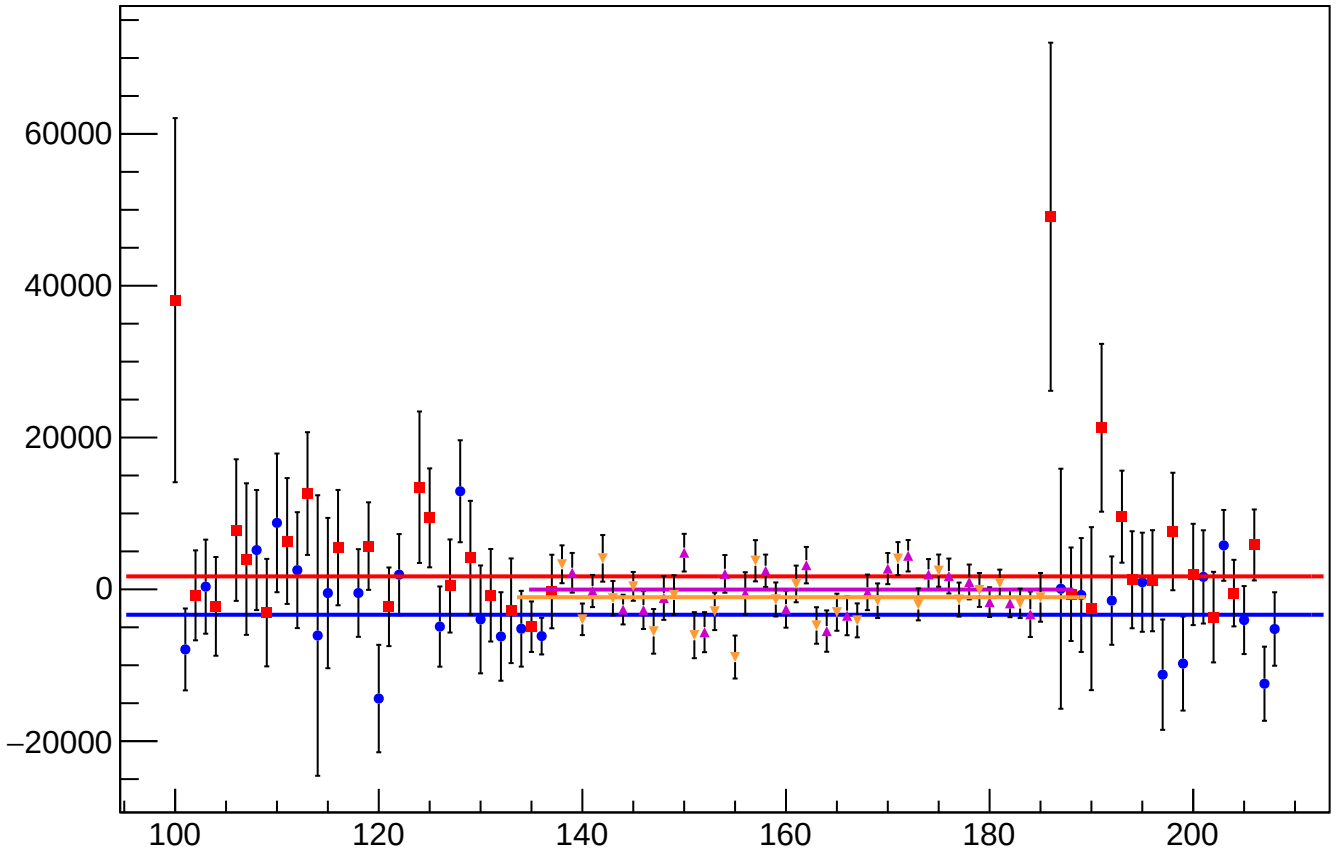
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 363.336+/-0.046 χ^2/NDF: 2699237.6/57

In: 313.224+/-0.039 χ^2/NDF:2038633.5/49

Out: 317.055+/-0.038 χ^2/NDF:2844250.9/55

All: 315.154+/-0.027 χ^2/NDF: 4887839.1/105



Right In: -3347.332+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1709.768+/-1152.358 χ^2/NDF: 26.8/30

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

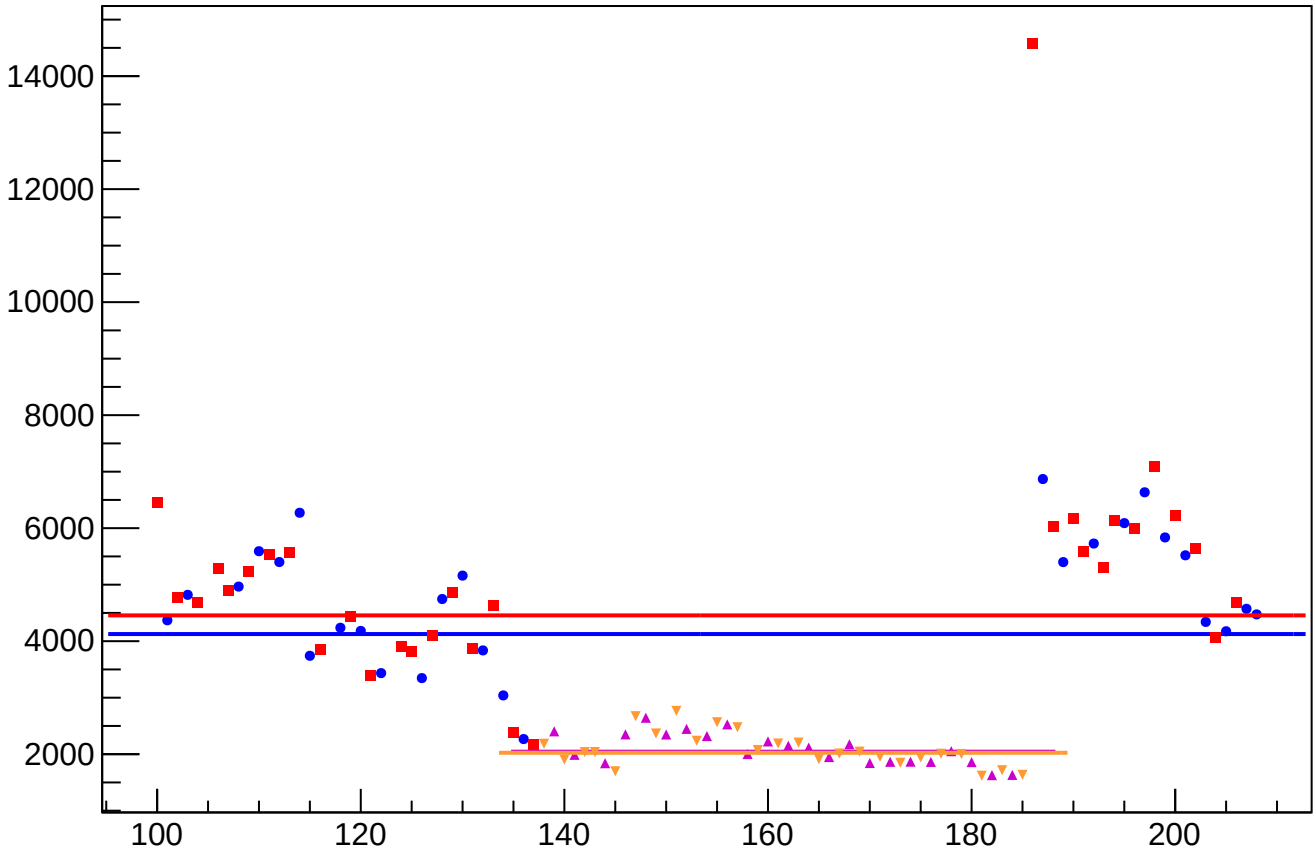
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -969.631+/-790.160 χ^2/NDF: 64.1/57

In: -577.169+/-440.741 χ^2/NDF:69.0/49

Out: -651.563+/-431.474 χ^2/NDF:71.9/55

All: -615.156+/-308.322 χ^2/NDF: 141.0/105



Right In: 4126.265+/-0.768 χ^2/NDF: 2582829.4/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4456.726+/-0.815 χ^2/NDF: 2859525.1/30

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

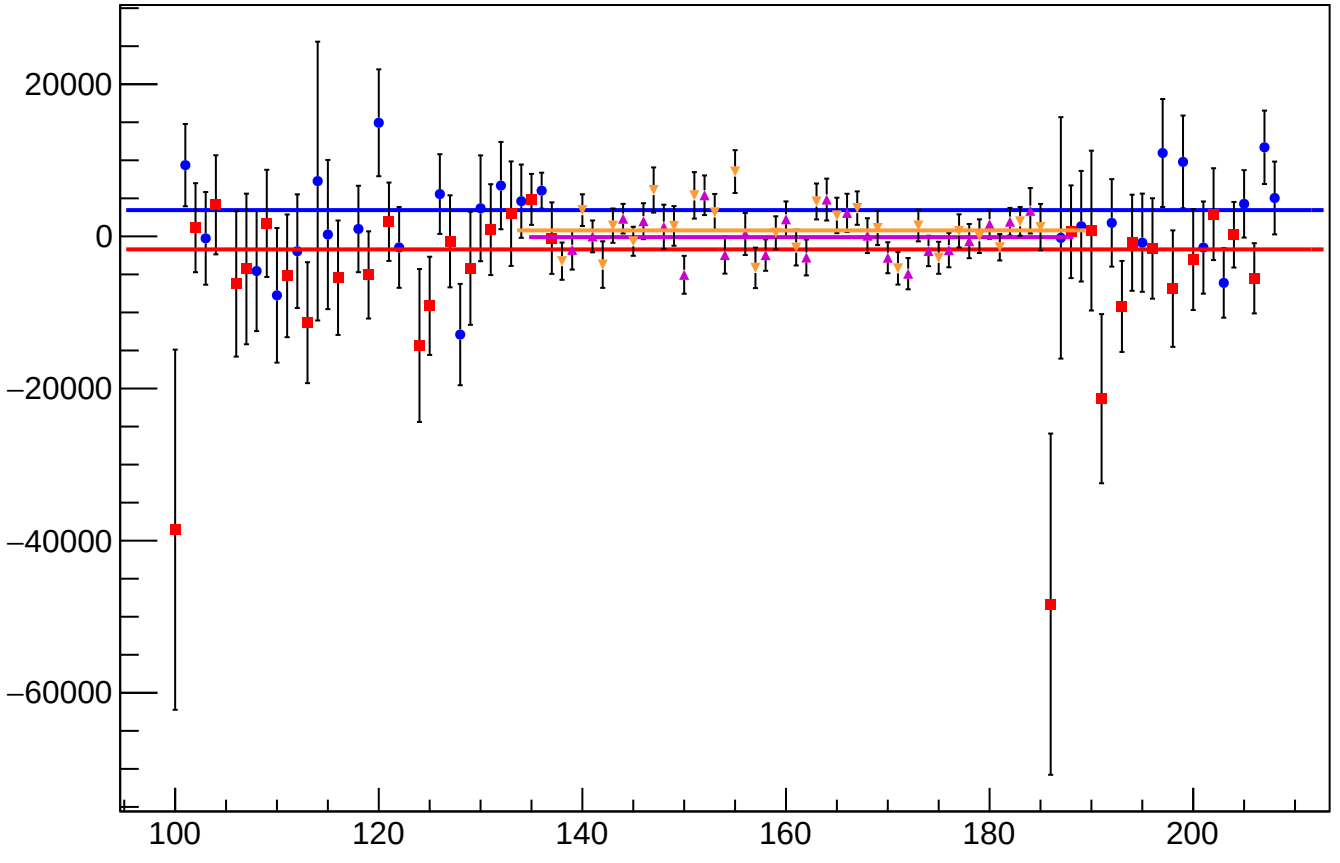
Right: 4281.638+/-0.559 χ^2/NDF: 5529497.4/57

In: 2387.684+/-0.312 χ^2/NDF:9310423.0/49

Out: 2365.991+/-0.305 χ^2/NDF:11217263.6/55

All: 2376.608+/-0.218 χ^2/NDF: 20530160.6/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3453.155+/-1068.010 χ^2/NDF: 27.3/26

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1710.537+/-1142.565 χ^2/NDF: 25.6/30

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

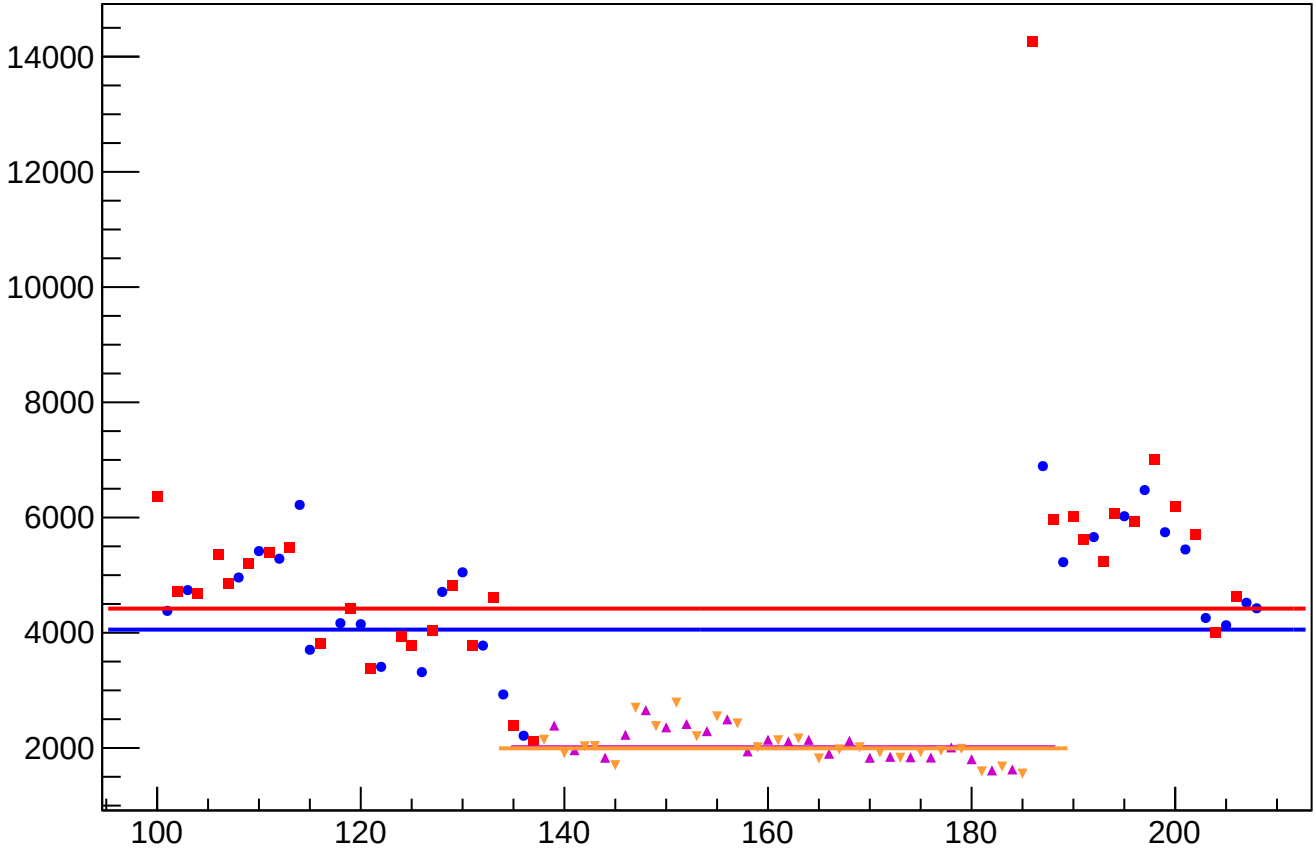
Right: 1045.264+/-780.224 χ^2/NDF: 63.8/57

In: 489.135+/-433.878 χ^2/NDF:69.4/49

Out: 441.439+/-425.698 χ^2/NDF:71.0/55

All: 464.833+/-303.864 χ^2/NDF: 140.4/105

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4054.792+/-0.755 χ^2/NDF: 2637807.0/26

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4419.578+/-0.808 χ^2/NDF: 2849982.3/30

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

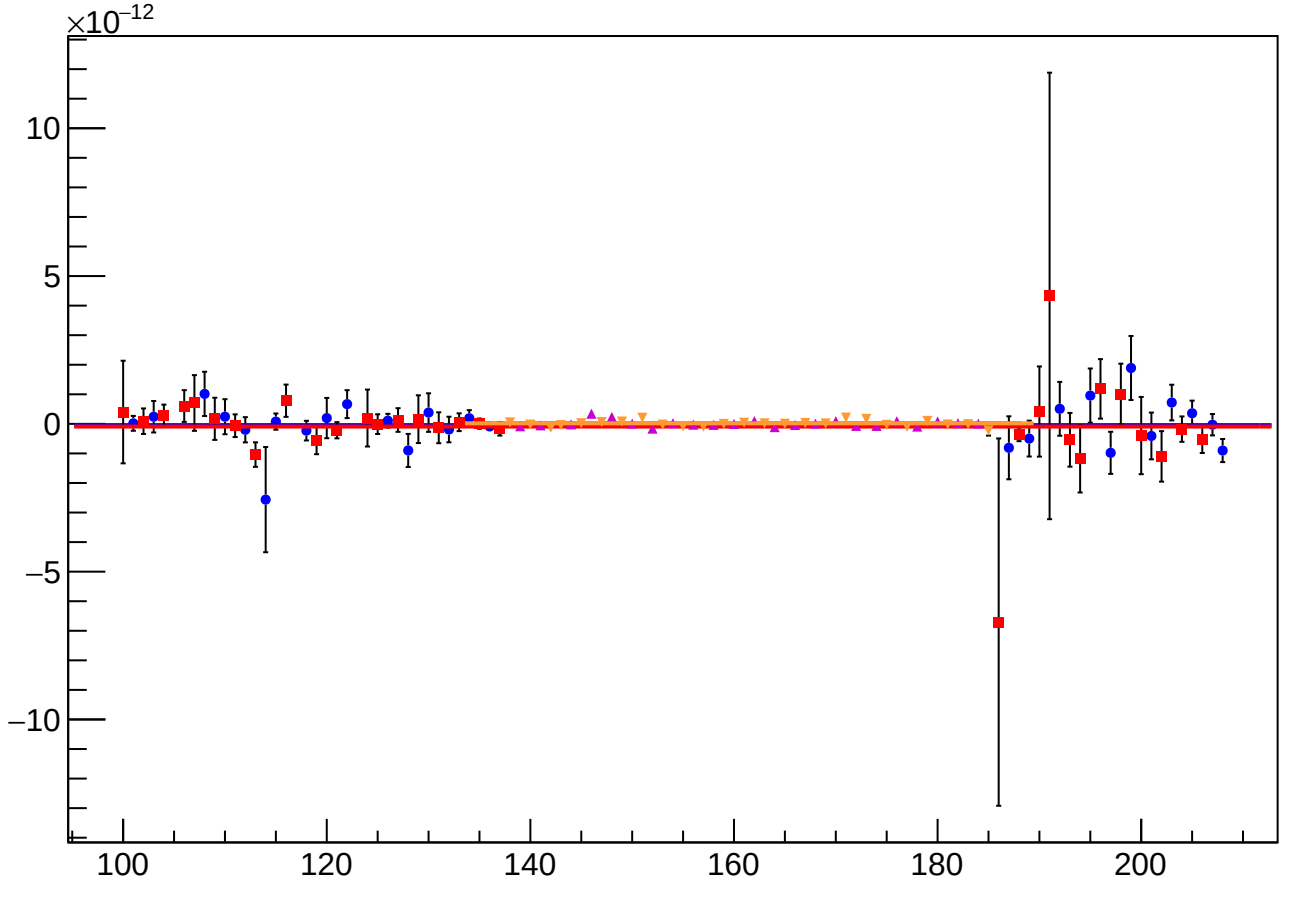
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4224.896+/-0.552 χ^2/NDF: 5596590.5/57

In: 2349.715+/-0.307 χ^2/NDF:9330268.7/49

Out: 2330.921+/-0.301 χ^2/NDF:11357286.1/55

All: 2340.140+/-0.215 χ^2/NDF: 20689466.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

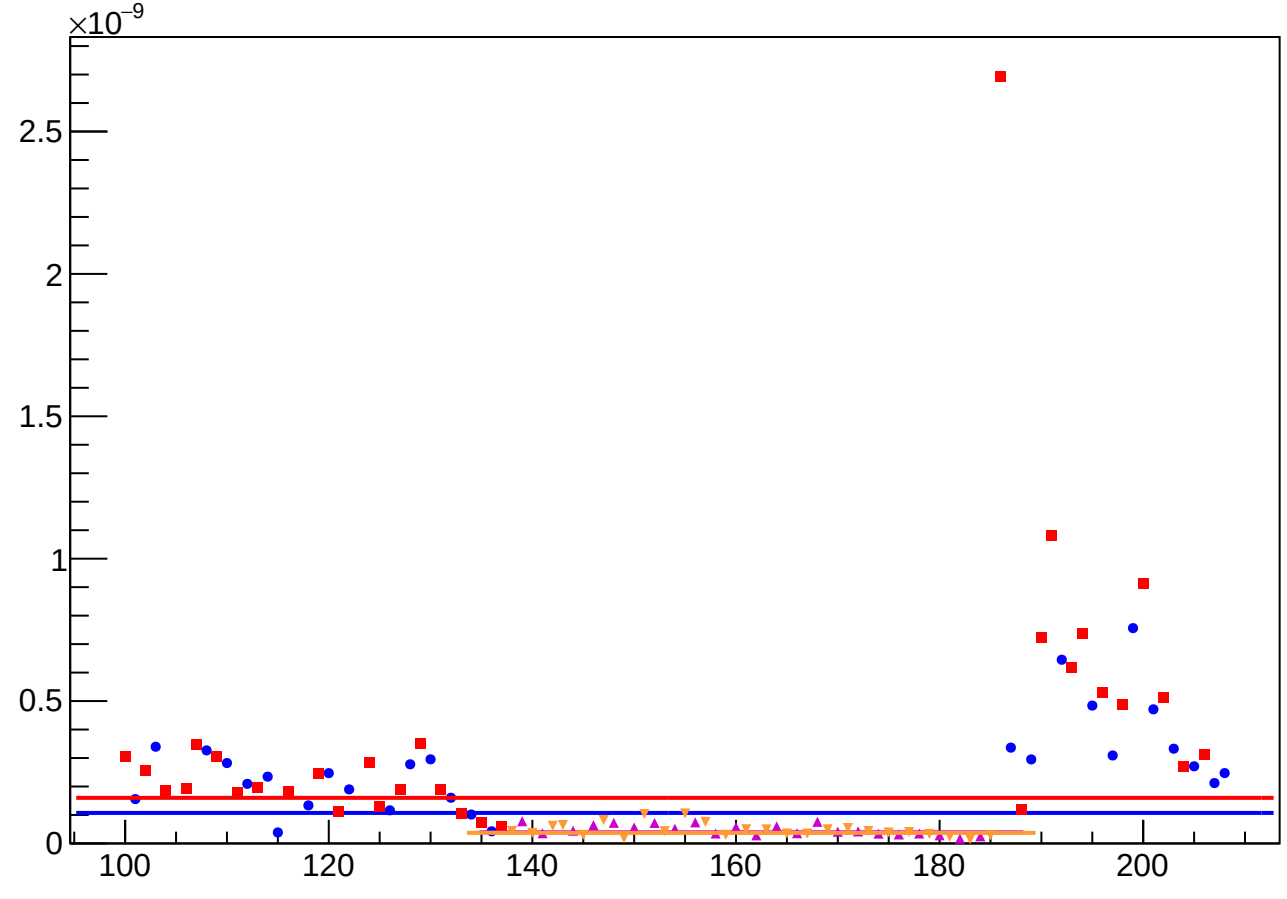
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/57

In: 0.000+/-0.000 χ^2/NDF:58.6/49

Out: 0.000+/-0.000 χ^2/NDF:46.3/55

All: 0.000+/-0.000 χ^2/NDF: 105.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 6642610.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5118565.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

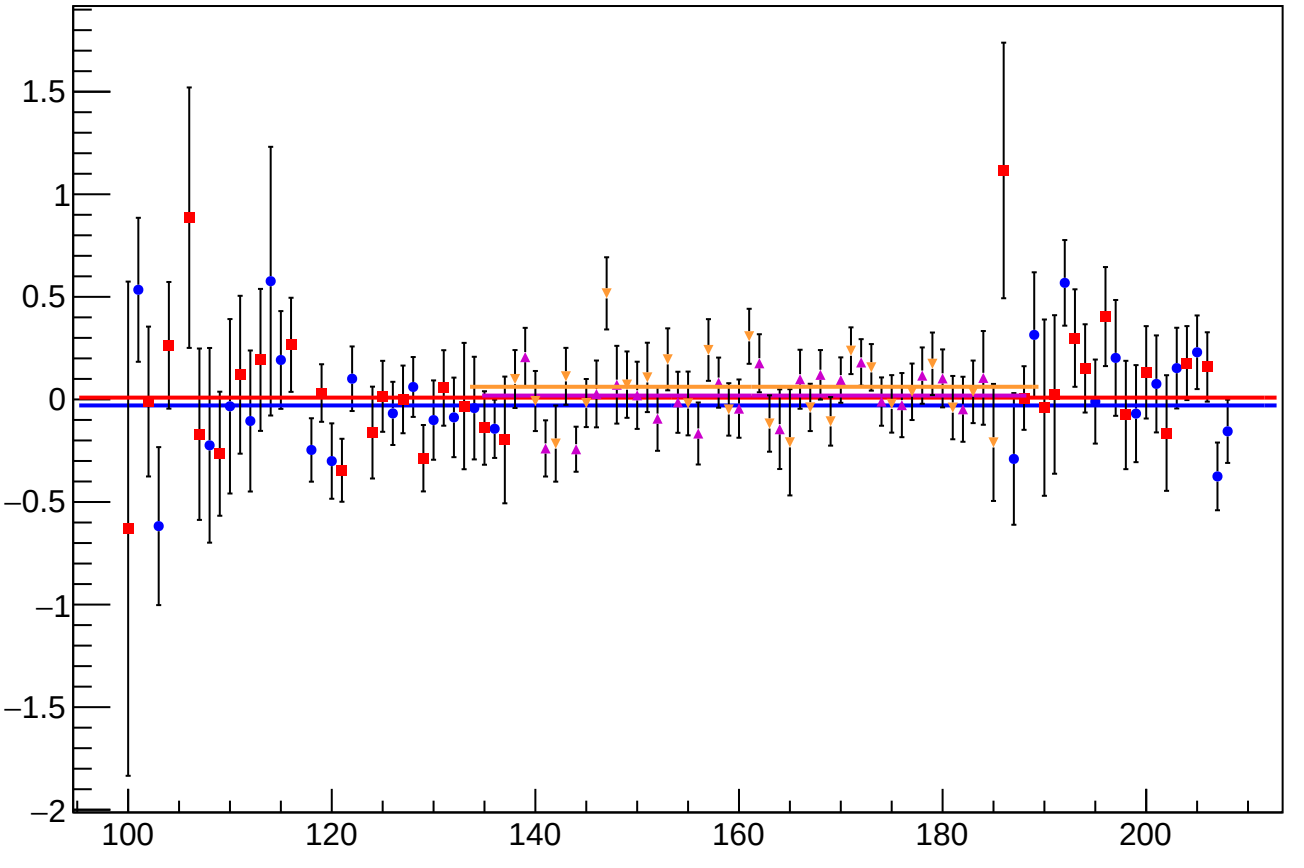
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12382677.5/57

In: 0.000+/-0.000 χ^2/NDF:11178079.2/49

Out: 0.000+/-0.000 χ^2/NDF:12489017.4/55

All: 0.000+/-0.000 χ^2/NDF: 23687027.2/105



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

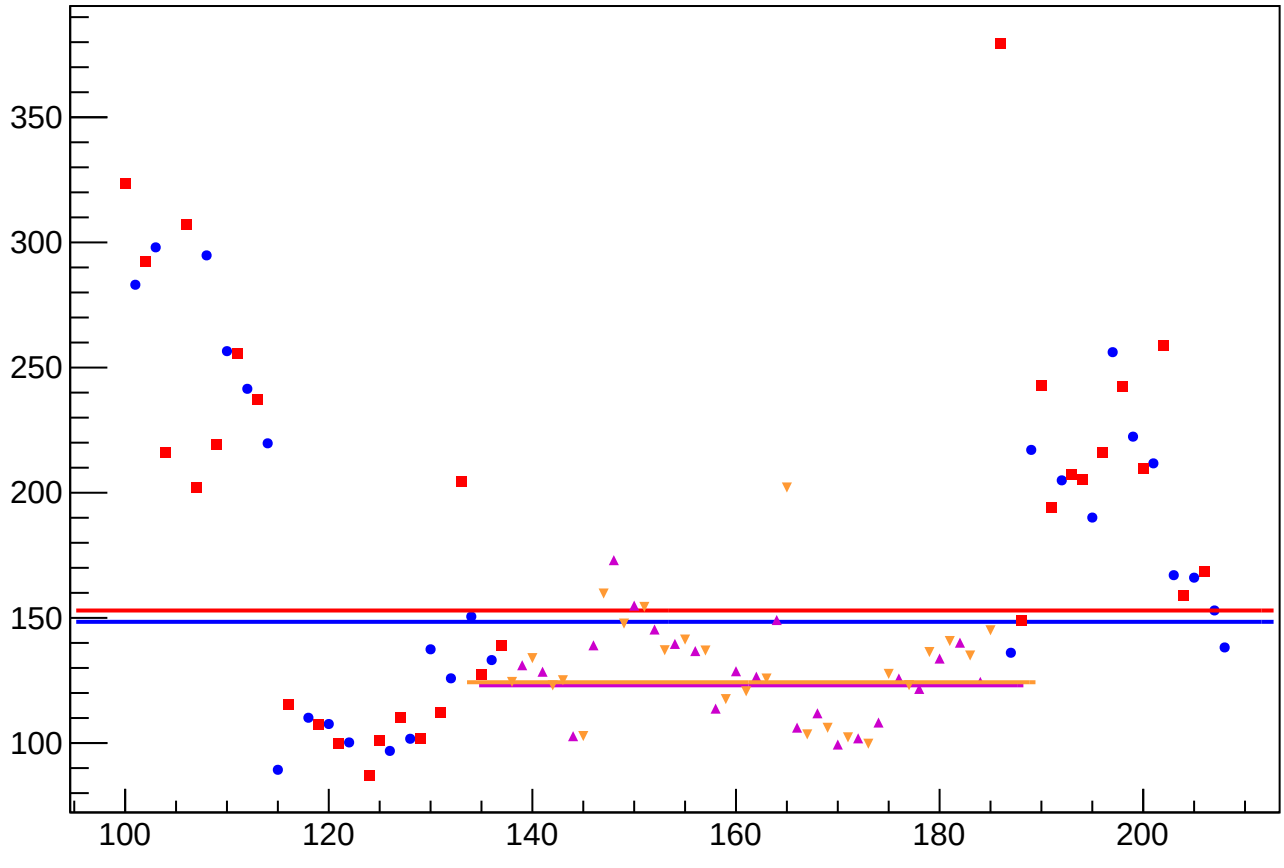
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.011+/-0.029 χ^2/NDF: 58.7/57

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.044+/-0.023 χ^2/NDF:54.7/55

All: 0.023+/-0.017 χ^2/NDF: 109.7/105



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

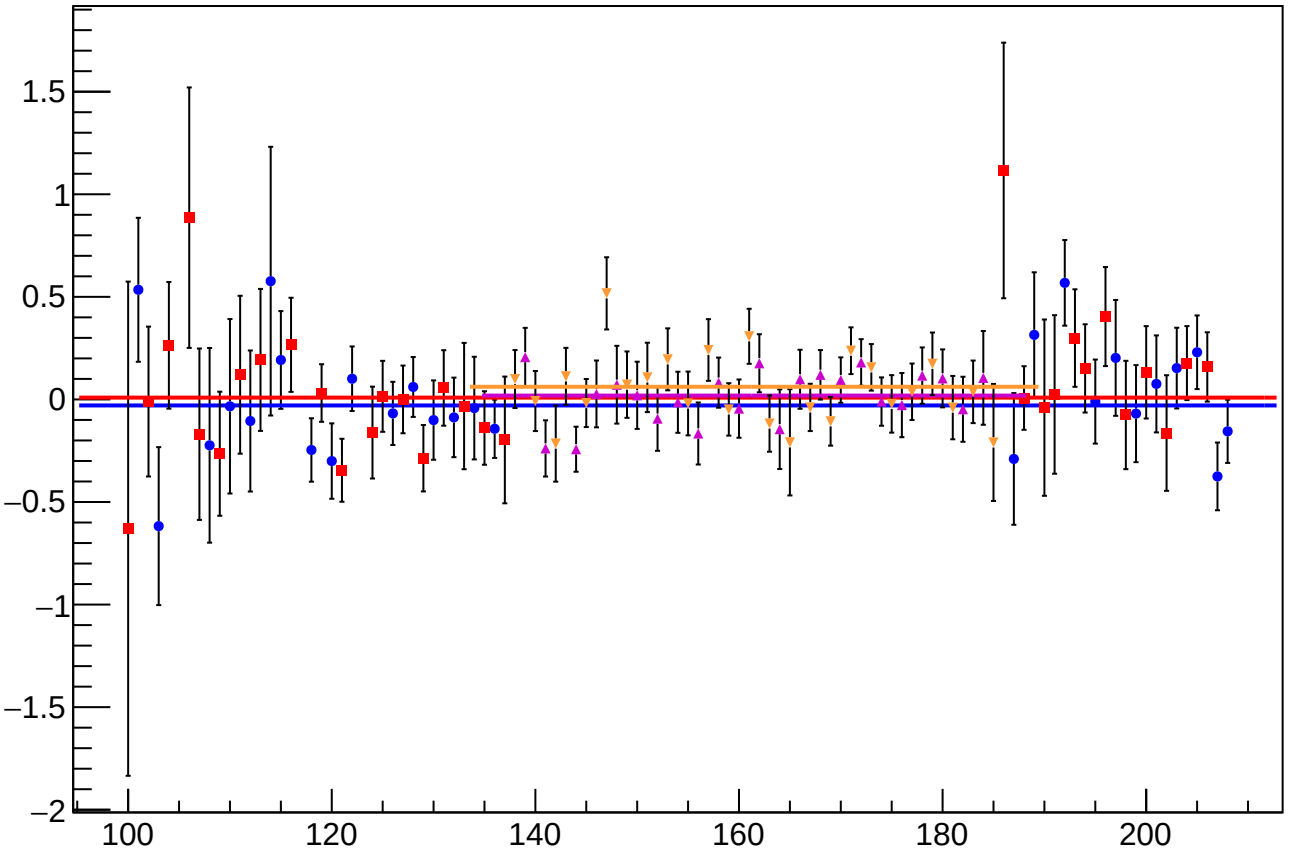
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.645+/-0.020 χ^2/NDF: 6829275.9/57

In: 131.926+/-0.017 χ^2/NDF:4358188.4/49

Out: 133.768+/-0.017 χ^2/NDF:5201411.5/55

All: 132.855+/-0.012 χ^2/NDF: 9565715.8/105



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

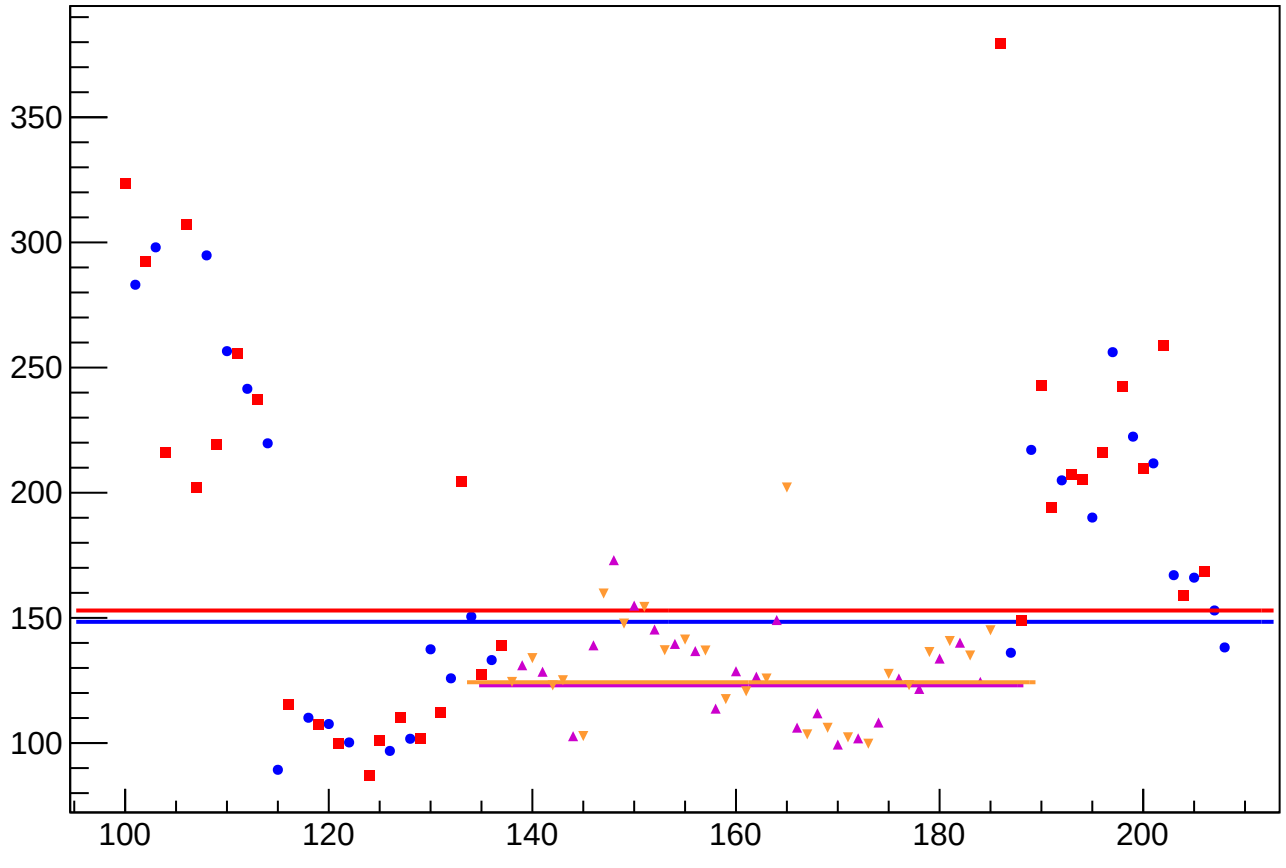
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.011+/-0.029 χ^2/NDF: 58.7/57

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.044+/-0.023 χ^2/NDF:54.7/55

All: 0.023+/-0.017 χ^2/NDF: 109.7/105



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

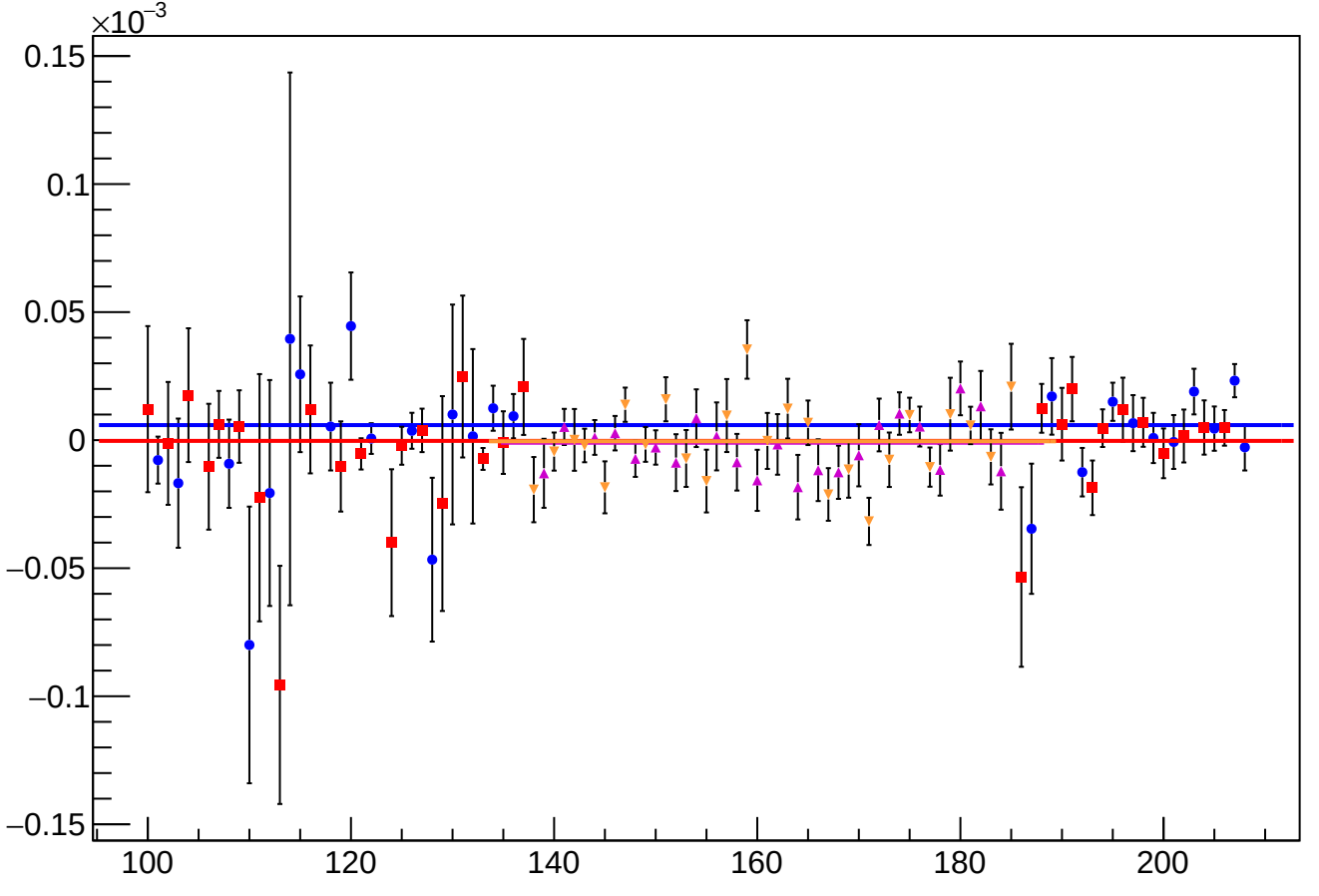
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.645+/-0.020 χ^2/NDF: 6829275.9/57

In: 131.926+/-0.017 χ^2/NDF:4358188.4/49

Out: 133.768+/-0.017 χ^2/NDF:5201411.5/55

All: 132.855+/-0.012 χ^2/NDF: 9565715.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/30

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

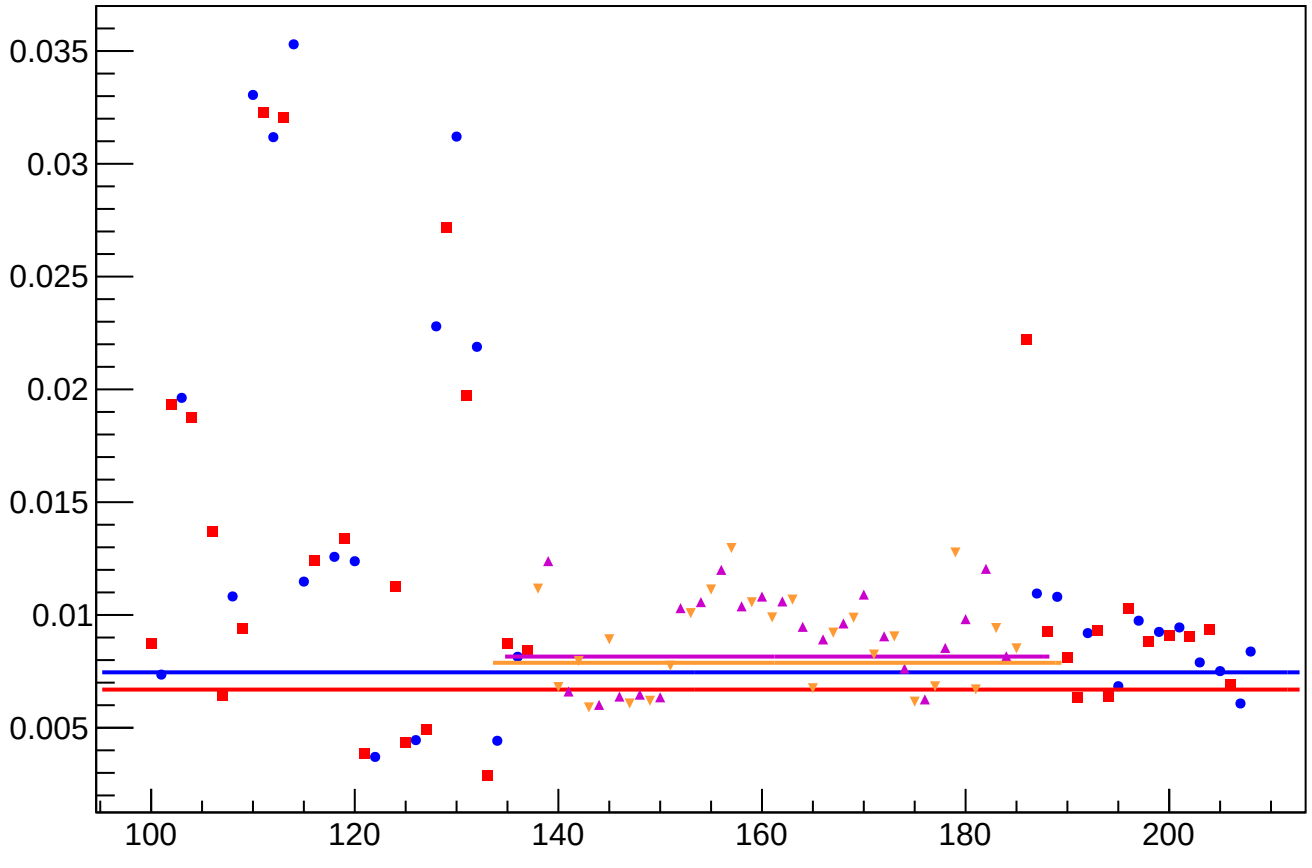
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 65.8/57

In: 0.000+/-0.000 χ^2/NDF:59.8/49

Out: -0.000+/-0.000 χ^2/NDF:79.4/55

All: 0.000+/-0.000 χ^2/NDF: 141.0/105



Right In: 0.007+/-0.000 χ^2/NDF: 5427647.1/26

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7341589.1/30

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

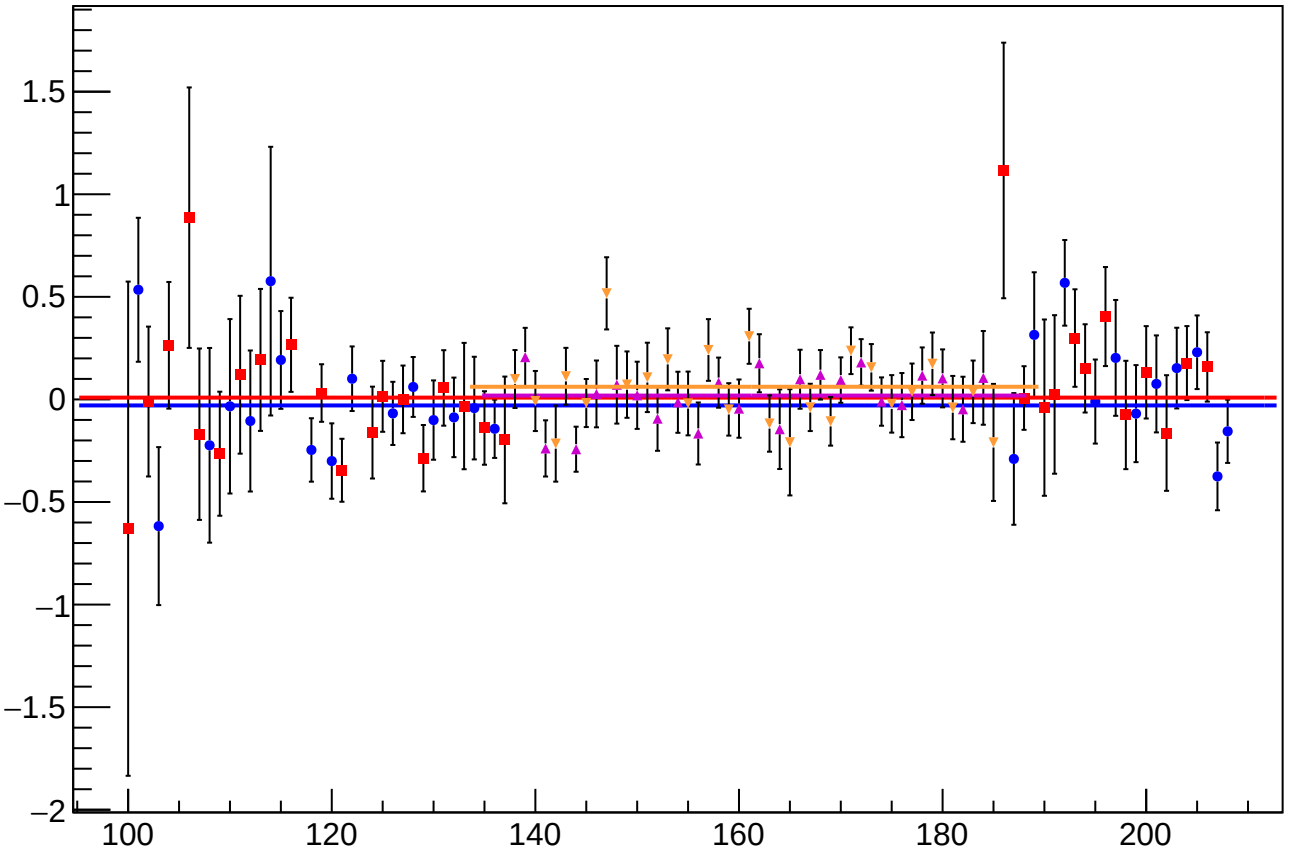
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12912087.9/57

In: 0.008+/-0.000 χ^2/NDF:7562134.0/49

Out: 0.007+/-0.000 χ^2/NDF:9810102.4/55

All: 0.008+/-0.000 χ^2/NDF: 17508094.7/105



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

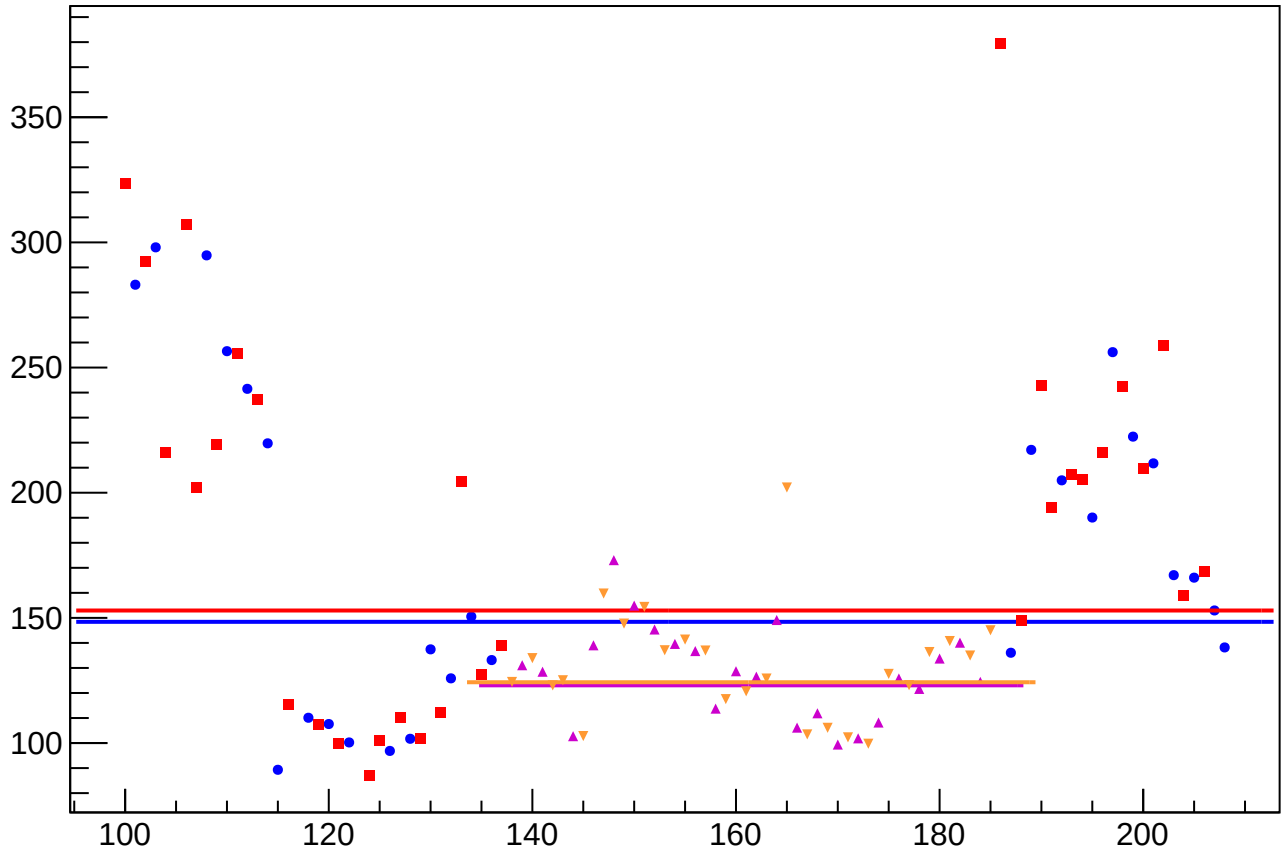
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.011+/-0.029 χ^2/NDF: 58.7/57

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.044+/-0.023 χ^2/NDF:54.8/55

All: 0.023+/-0.017 χ^2/NDF: 109.7/105



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

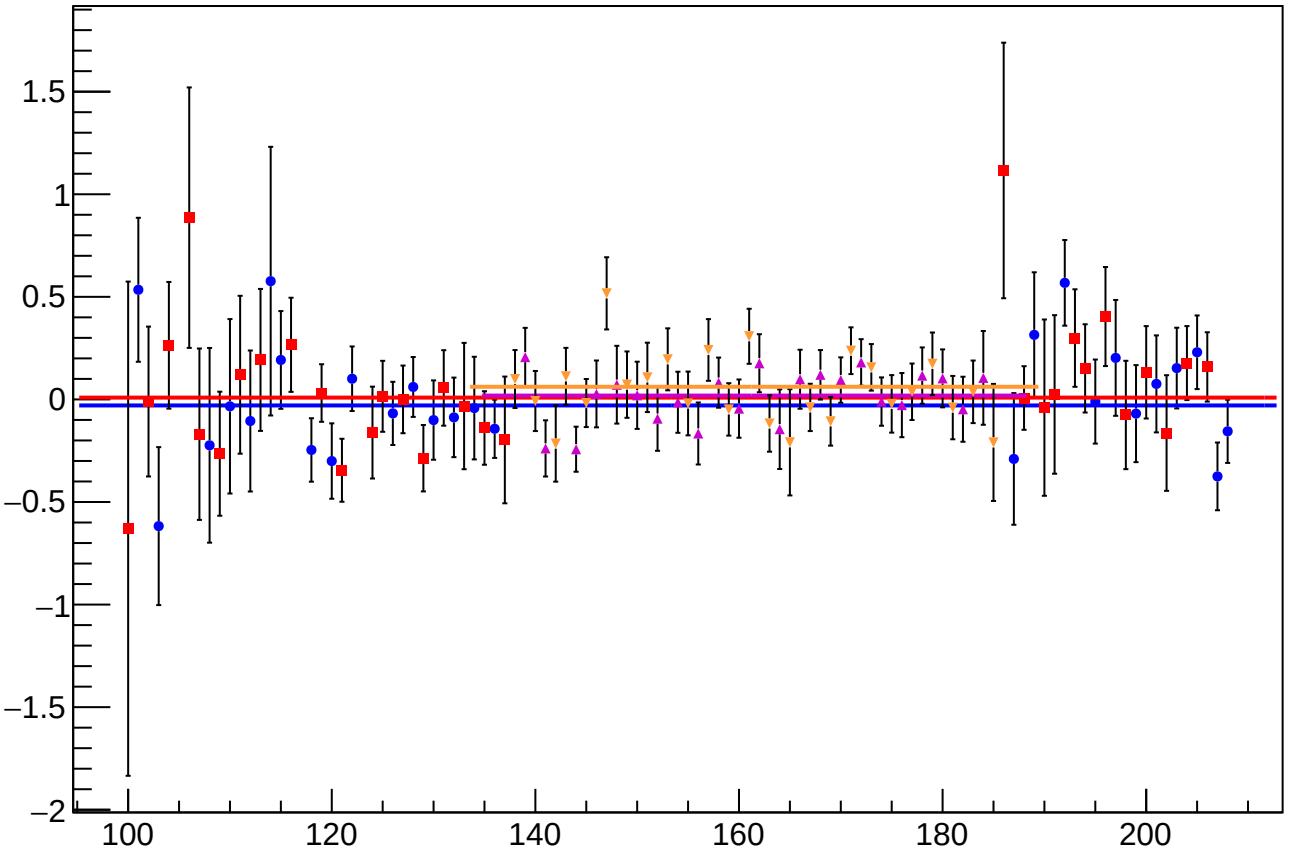
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 150.643+/-0.020 χ^2/NDF: 6829454.8/57

In: 131.925+/-0.017 χ^2/NDF:4358189.8/49

Out: 133.768+/-0.017 χ^2/NDF:5201494.5/55

All: 132.854+/-0.012 χ^2/NDF: 9565800.9/105



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

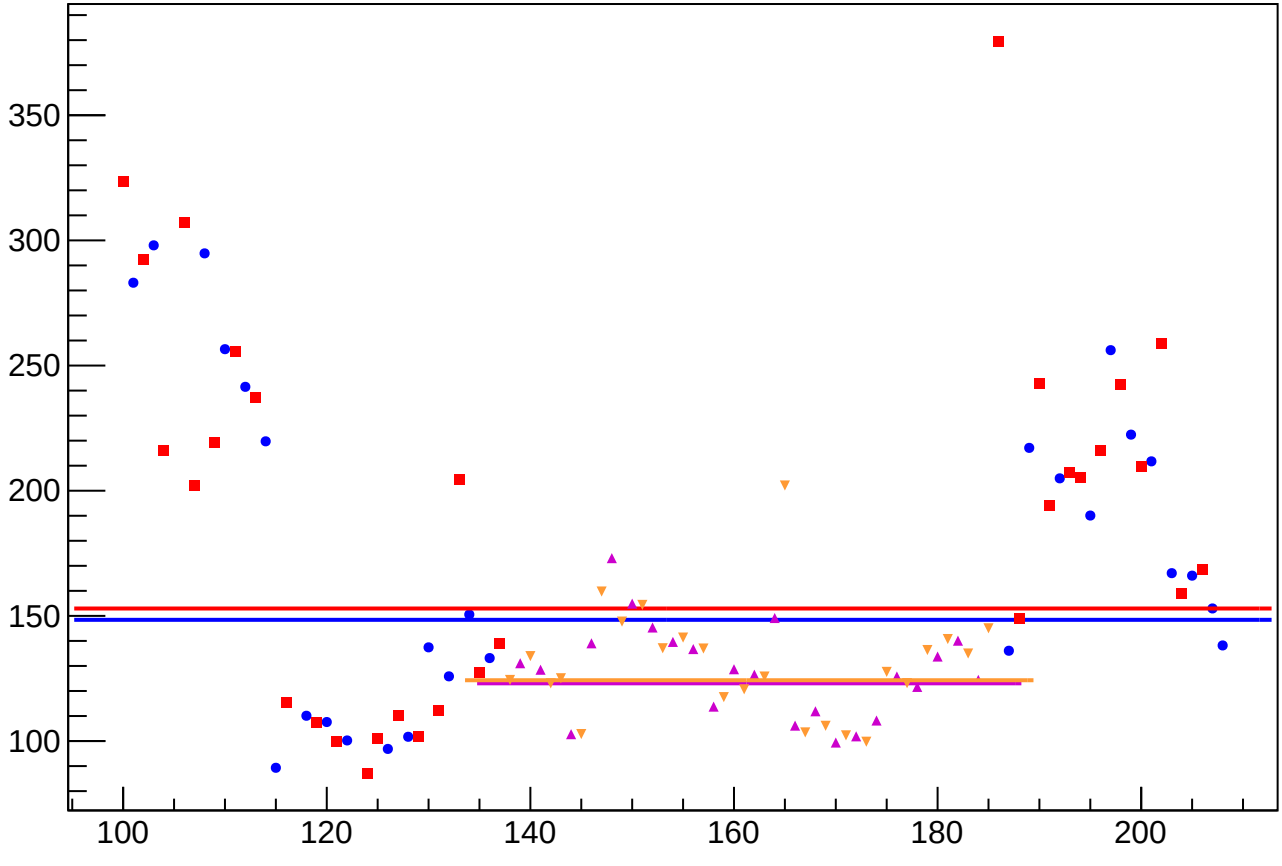
Right: -0.011+/-0.029 χ^2/NDF: 58.7/57

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.044+/-0.023 χ^2/NDF:54.8/55

All: 0.023+/-0.017 χ^2/NDF: 109.7/105

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

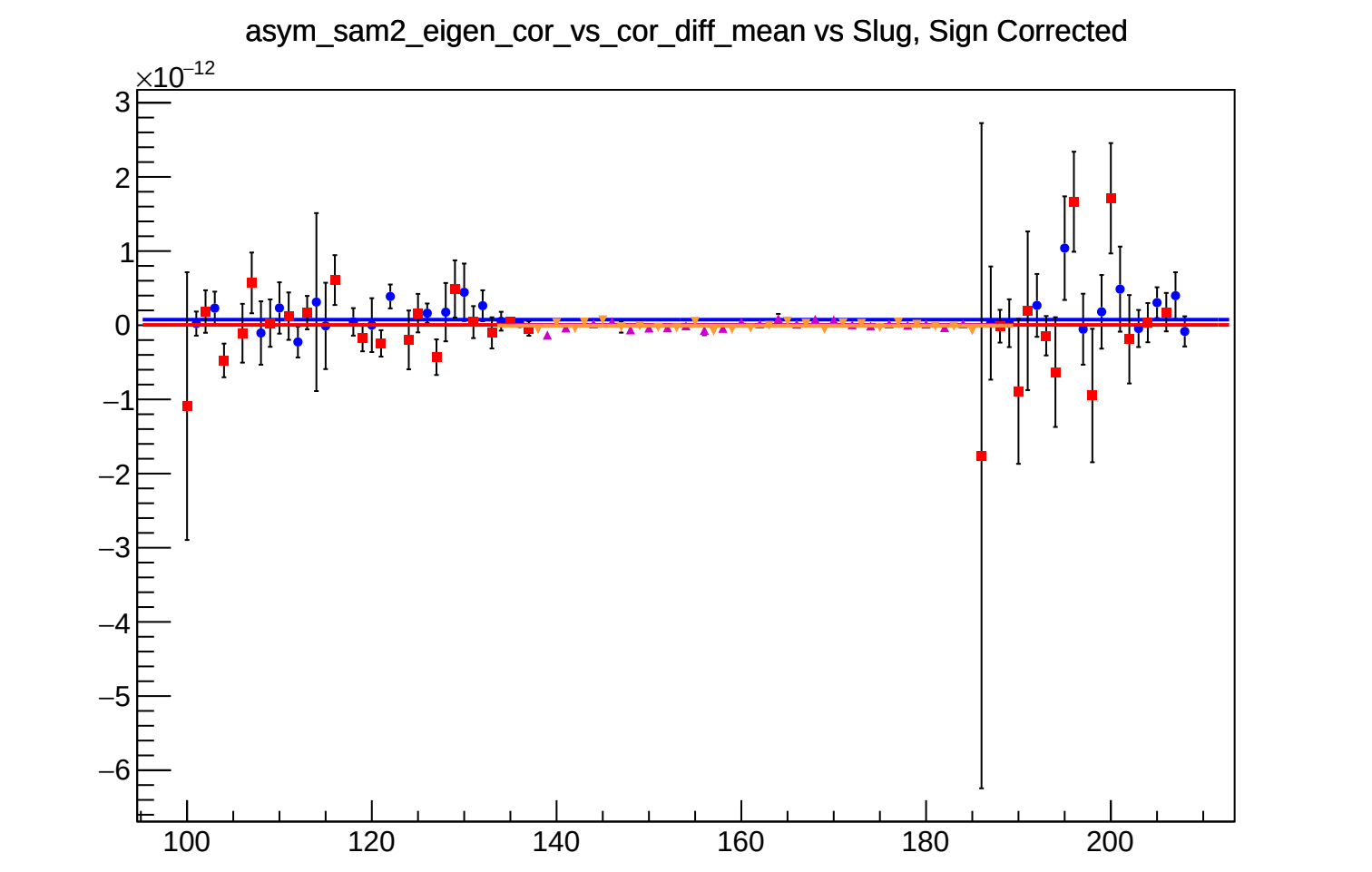
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 150.643+/-0.020 χ^2/NDF: 6829454.8/57

In: 131.925+/-0.017 χ^2/NDF:4358189.8/49

Out: 133.768+/-0.017 χ^2/NDF:5201494.5/55

All: 132.854+/-0.012 χ^2/NDF: 9565800.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/30

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

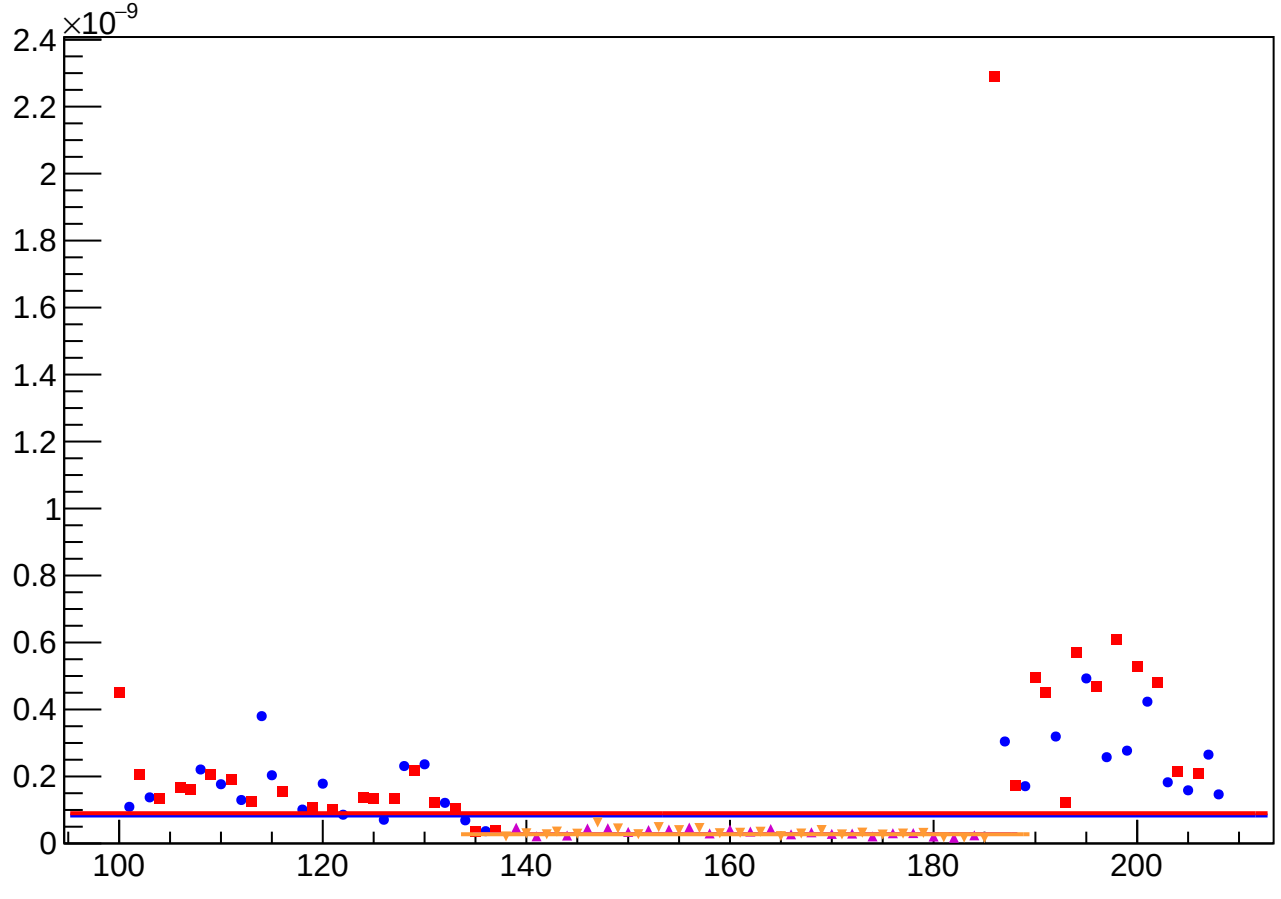
Right: 0.000+/-0.000 χ^2/NDF: 54.0/57

In: 0.000+/-0.000 χ^2/NDF:45.6/49

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 106.5/105

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7921206.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9902038.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

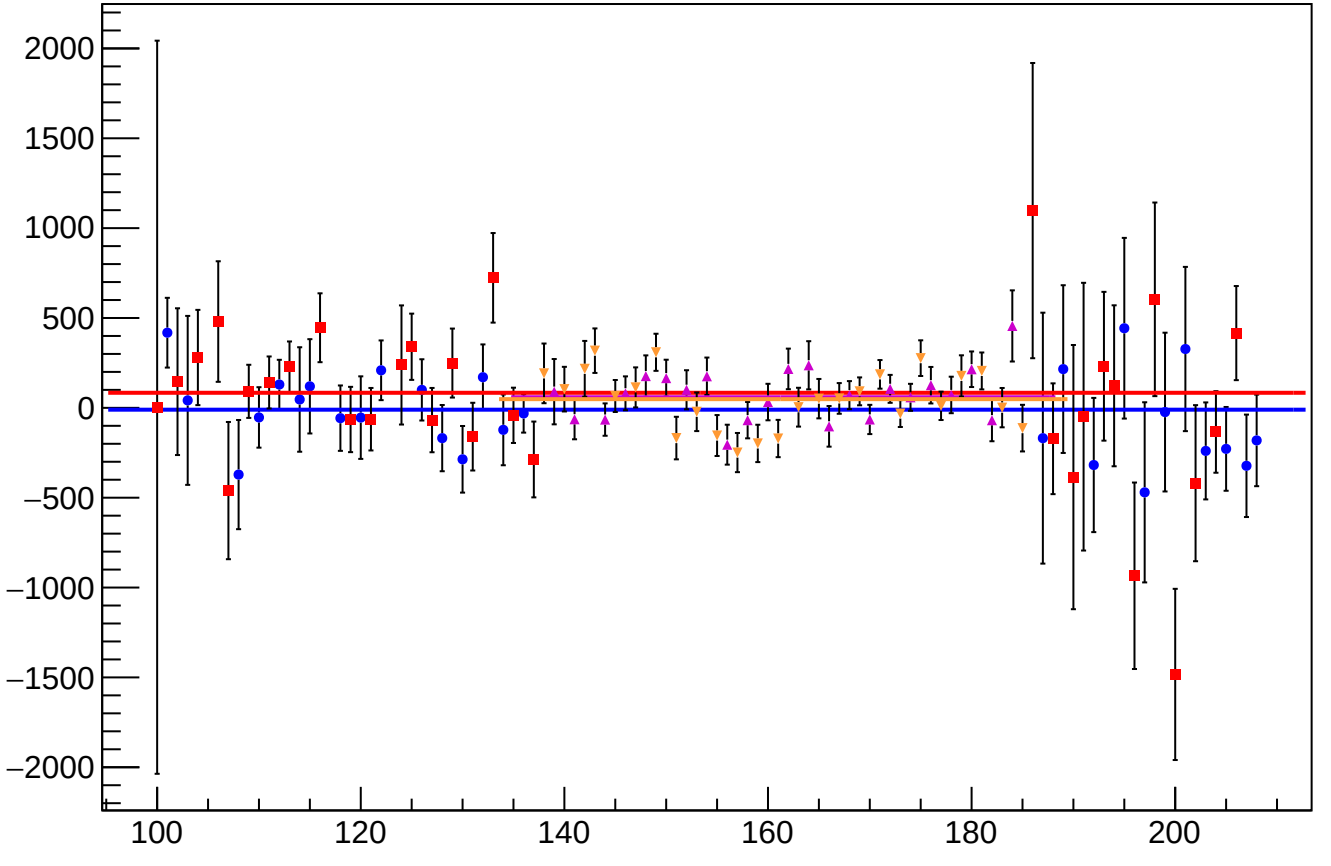
Right: 0.000+/-0.000 χ^2/NDF: 17860097.9/57

In: 0.000+/-0.000 χ^2/NDF:15120055.0/49

Out: 0.000+/-0.000 χ^2/NDF:17738417.1/55

All: 0.000+/-0.000 χ^2/NDF: 32879590.5/105

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -10.254+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 83.821+/-42.503 χ^2/NDF: 48.1/30

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

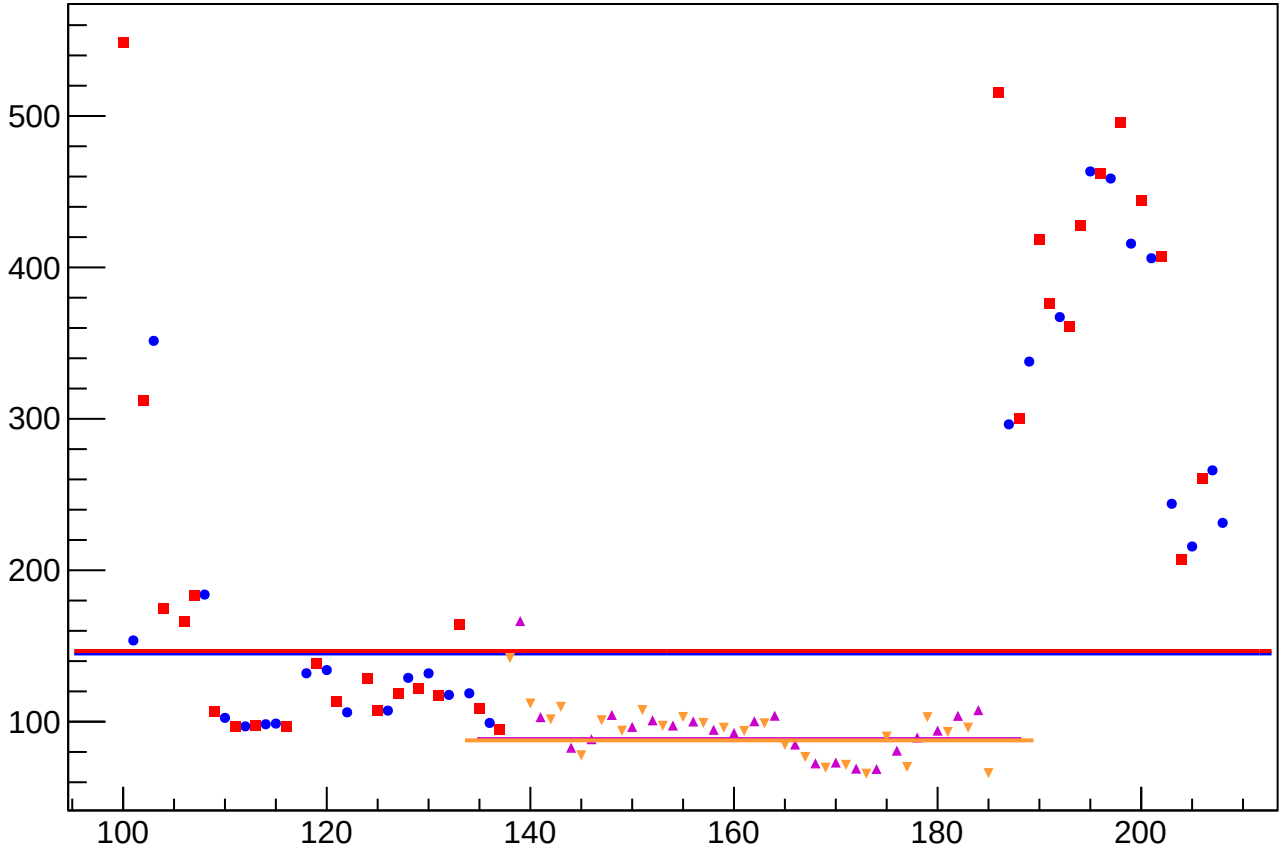
Right: 36.085+/-29.830 χ^2/NDF: 71.2/57

In: 44.929+/-18.883 χ^2/NDF:53.5/49

Out: 55.038+/-18.408 χ^2/NDF:102.2/55

All: 50.112+/-13.181 χ^2/NDF: 155.8/105

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 145.066+/-0.030 χ^2/NDF: 6780855.3/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.675+/-0.030 χ^2/NDF: 8052765.8/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

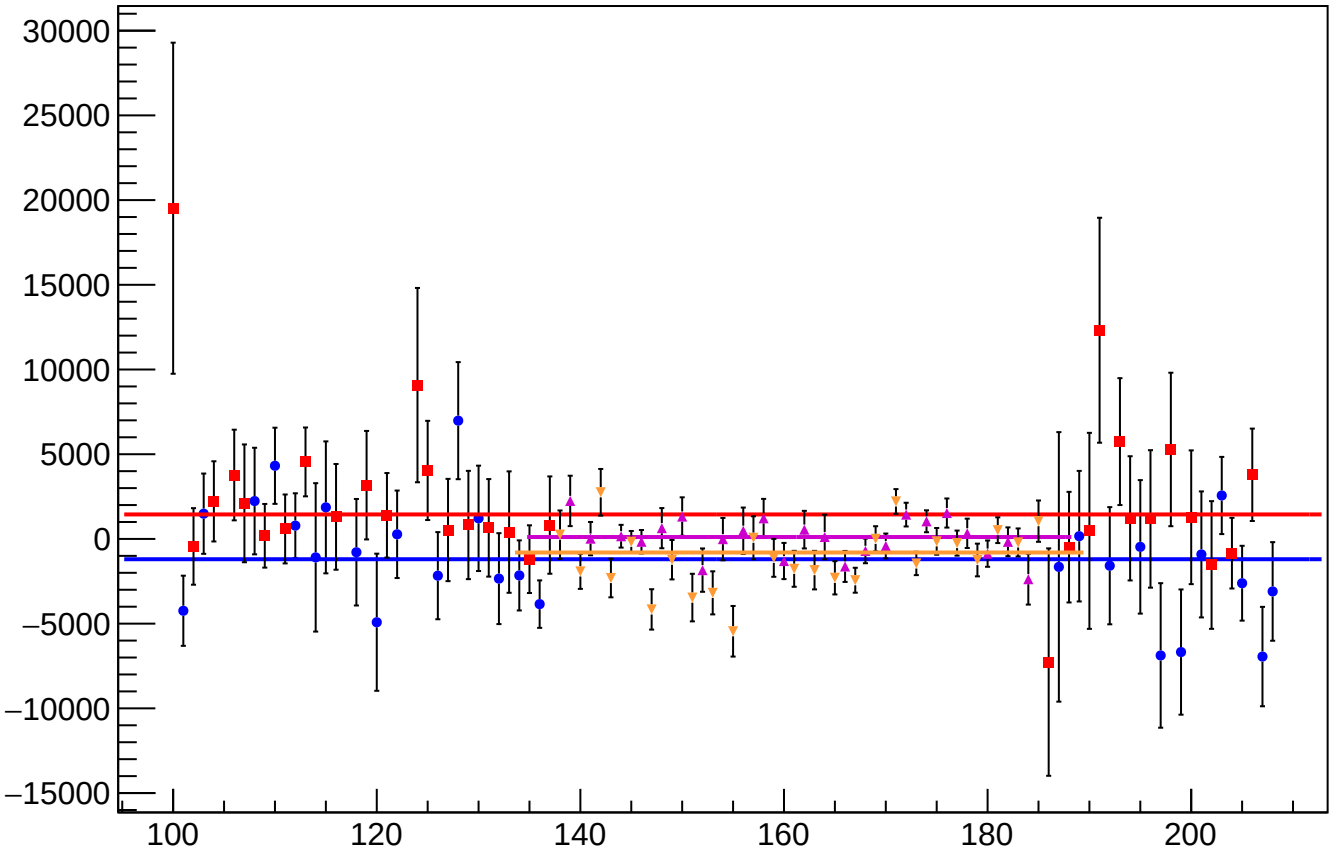
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 145.859+/-0.021 χ^2/NDF: 14835074.7/57

In: 99.988+/-0.013 χ^2/NDF:10765595.8/49

Out: 98.727+/-0.013 χ^2/NDF:12399044.1/55

All: 99.341+/-0.009 χ^2/NDF: 23169214.2/105



Right In: -1197.888+/-519.956 χ^2/NDF: 35.4/26

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1445.544+/-528.283 χ^2/NDF: 22.3/30

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

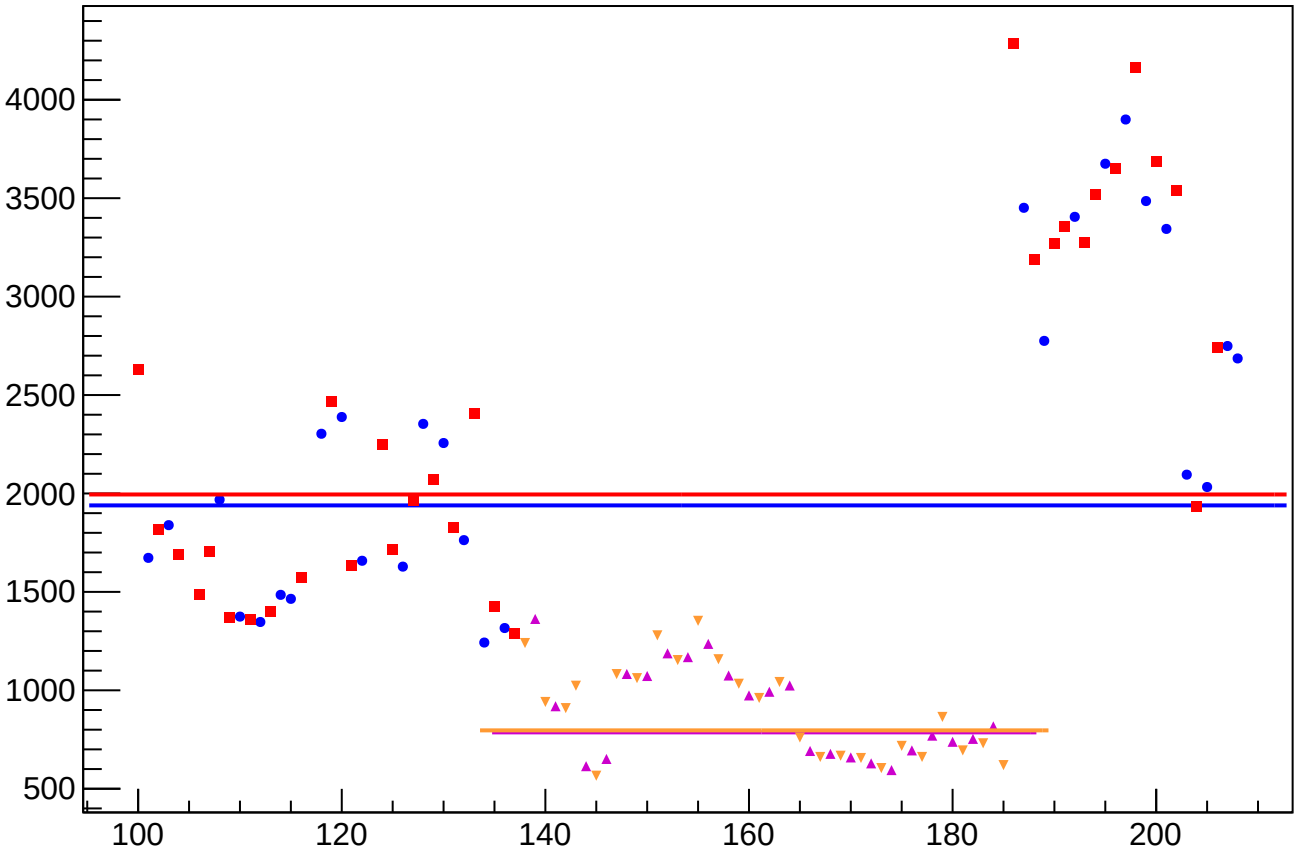
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 102.832+/-370.573 χ^2/NDF: 70.4/57

In: -42.263+/-178.682 χ^2/NDF:68.1/49

Out: -549.504+/-176.914 χ^2/NDF:110.2/55

All: -298.405+/-125.717 χ^2/NDF: 182.4/105



Right In: 1939.354+/-0.368 χ^2/NDF: 3460047.4/26

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1994.886+/-0.374 χ^2/NDF: 4099868.6/30

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

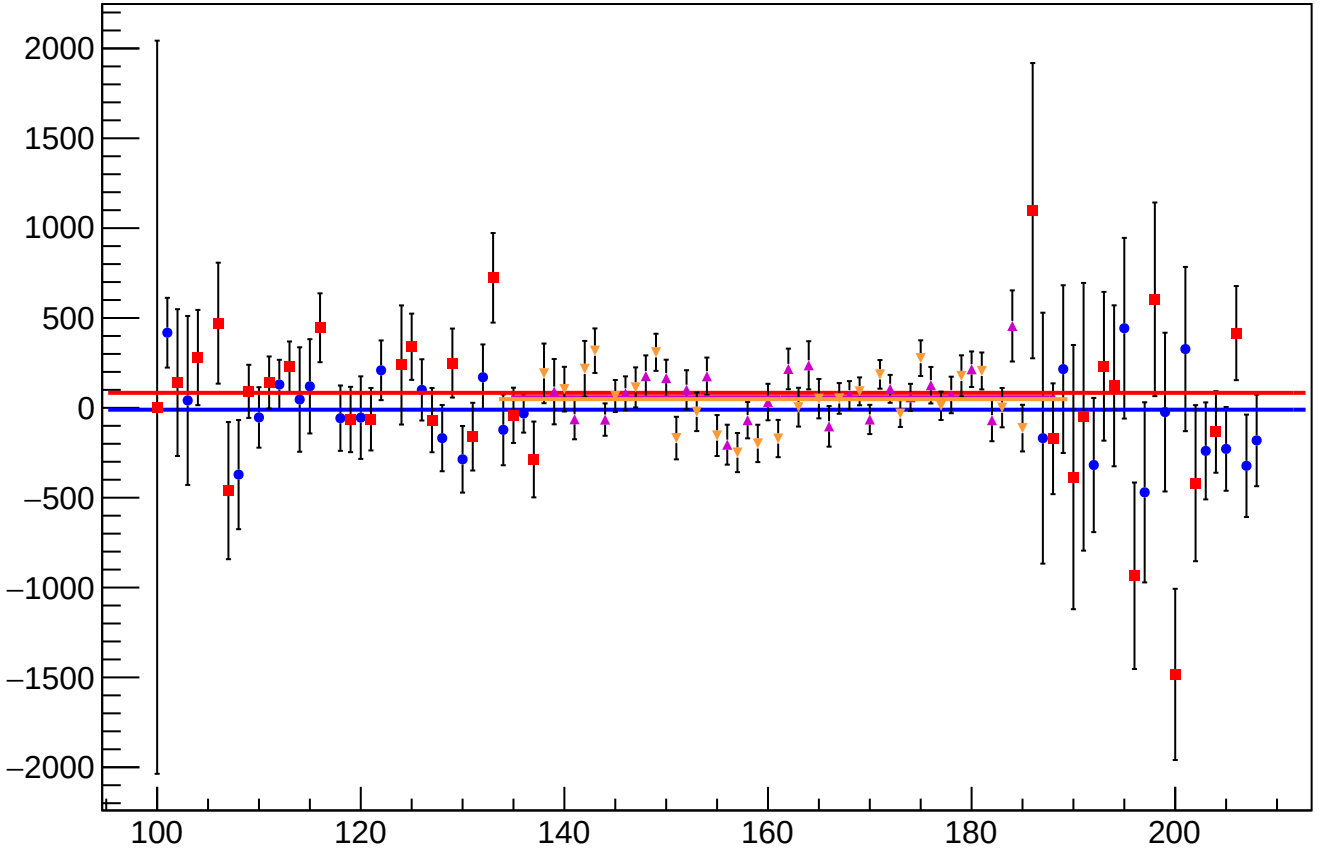
Right: 1966.679+/-0.262 χ^2/NDF: 7571141.6/57

In: 922.500+/-0.126 χ^2/NDF:14290064.1/49

Out: 930.918+/-0.125 χ^2/NDF:15654973.8/55

All: 926.751+/-0.089 χ^2/NDF: 29947279.4/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 83.576+/-42.505 χ^2/NDF: 48.0/30

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

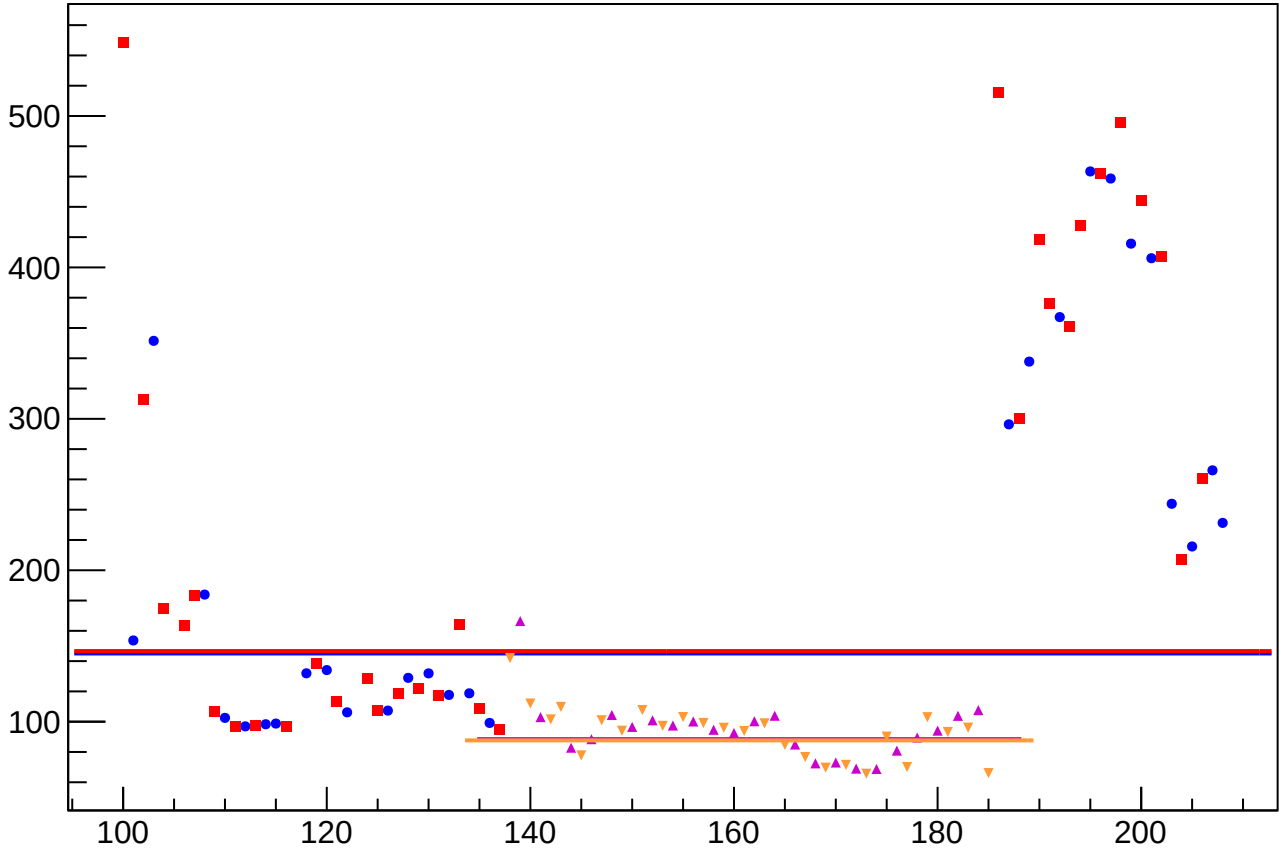
Right: 35.954+/-29.831 χ^2/NDF: 71.1/57

In: 44.928+/-18.883 χ^2/NDF:53.4/49

Out: 54.997+/-18.408 χ^2/NDF:102.1/55

All: 50.091+/-13.181 χ^2/NDF: 155.7/105

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

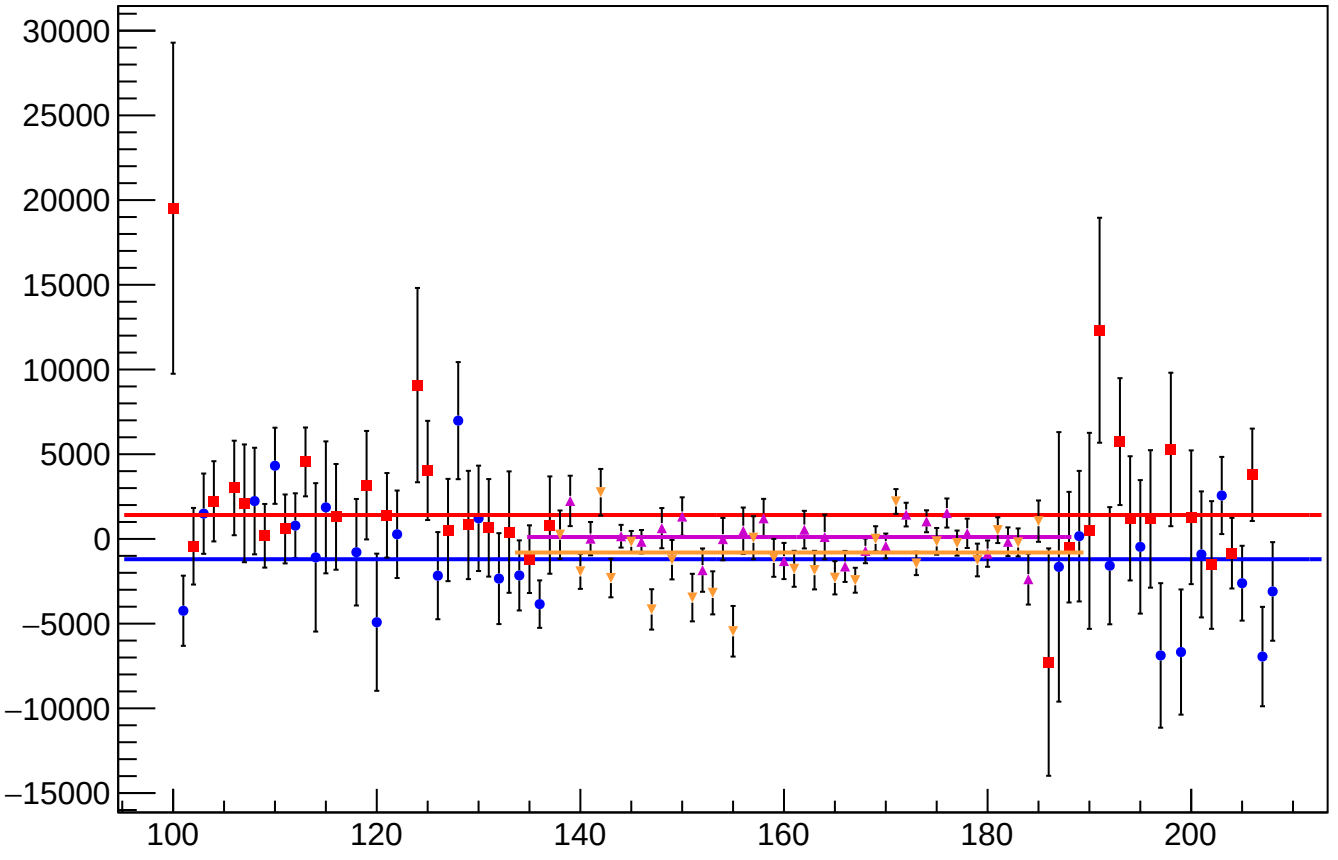
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 145.838+/-0.021 χ^2/NDF: 14833530.4/57

In: 99.988+/-0.013 χ^2/NDF:10765597.5/49

Out: 98.718+/-0.013 χ^2/NDF:12392898.5/55

All: 99.337+/-0.009 χ^2/NDF: 23163134.0/105



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1411.678+/-529.143 χ^2/NDF: 21.8/30

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

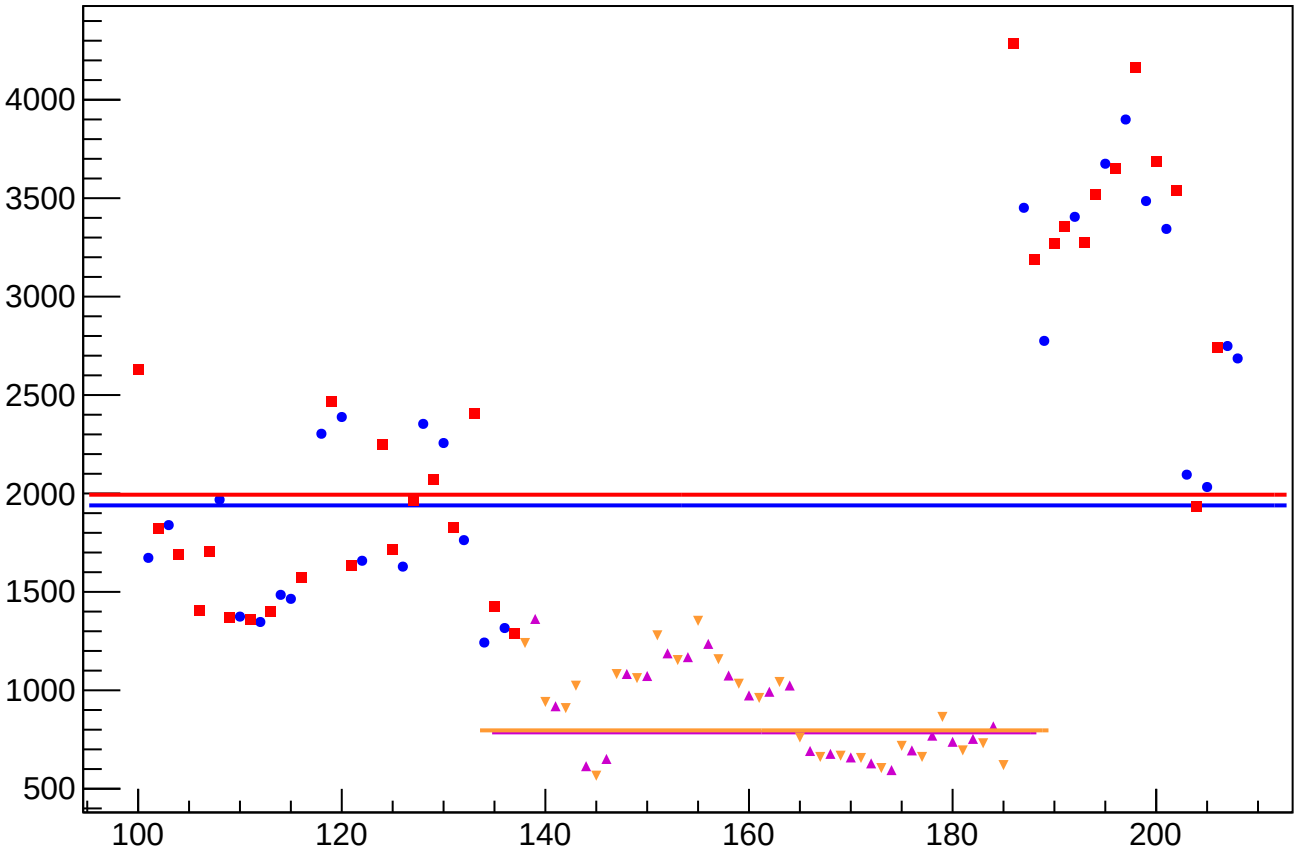
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 84.055+/-370.871 χ^2/NDF: 69.6/57

In: -42.260+/-178.682 χ^2/NDF:68.1/49

Out: -554.011+/-176.946 χ^2/NDF:109.2/55

All: -300.633+/-125.729 χ^2/NDF: 181.5/105



Right In: 1939.364+/-0.368 χ^2/NDF: 3460036.5/26

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

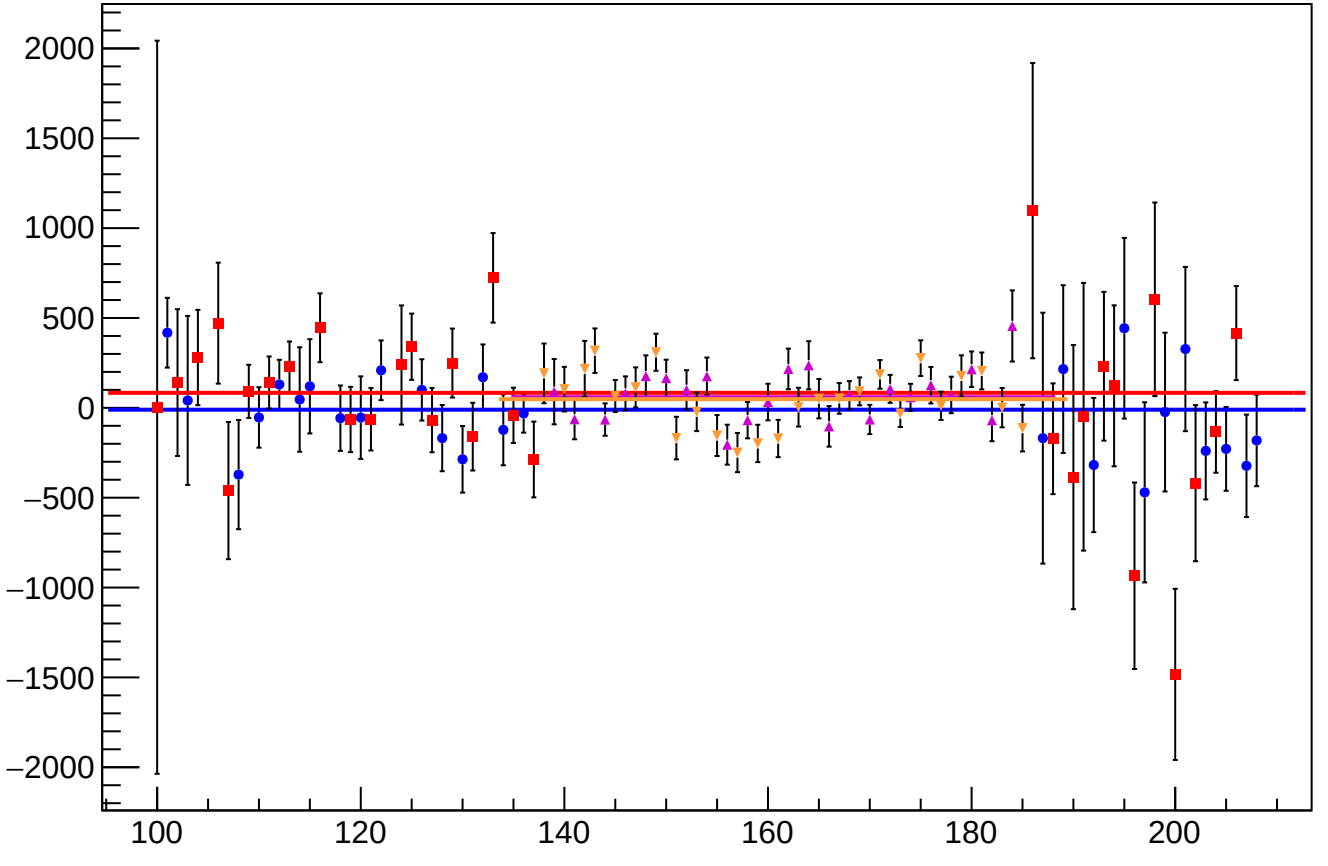
Right: 1966.045+/-0.262 χ^2/NDF: 7587389.9/57

In: 922.500+/-0.126 χ^2/NDF:14290120.7/49

Out: 930.394+/-0.125 χ^2/NDF:15626977.5/55

All: 926.486+/-0.089 χ^2/NDF: 29919069.2/10

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 83.576+/-42.505 χ^2/NDF: 48.0/30

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

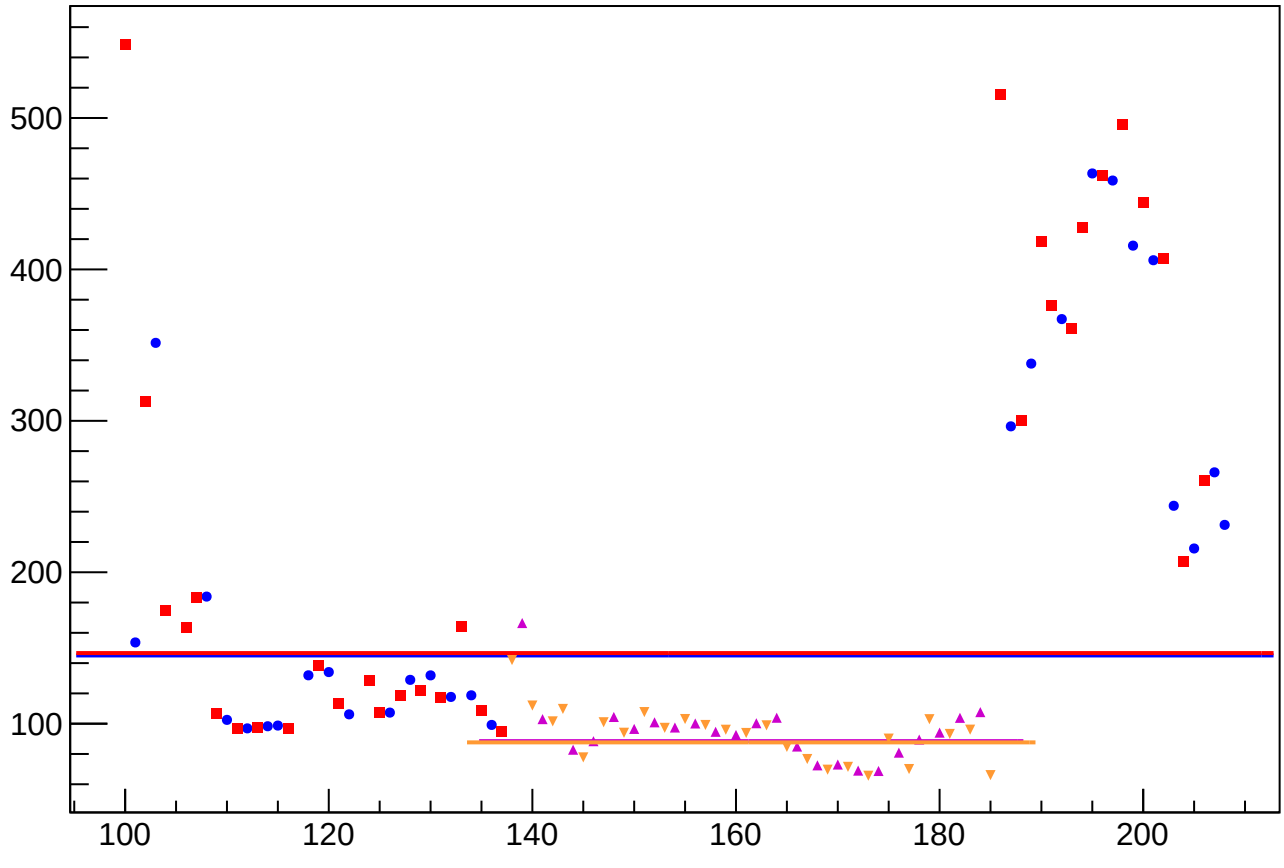
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 35.954+/-29.831 χ^2/NDF: 71.1/57

In: 44.928+/-18.883 χ^2/NDF:53.4/49

Out: 54.997+/-18.408 χ^2/NDF:102.1/55

All: 50.091+/-13.181 χ^2/NDF: 155.7/105



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

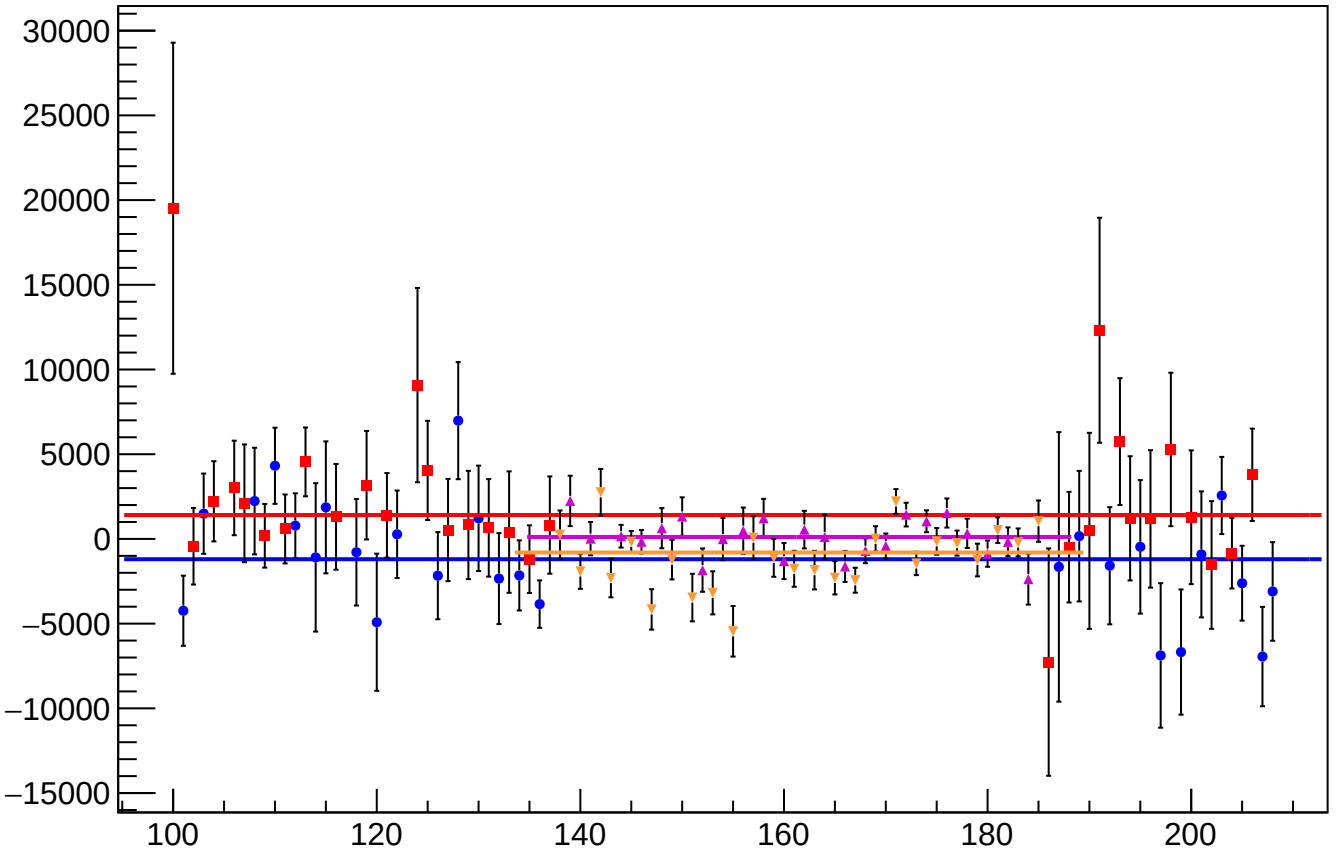
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 145.838+/-0.021 χ^2/NDF: 14833530.4/57

In: 99.988+/-0.013 χ^2/NDF:10765597.5/49

Out: 98.718+/-0.013 χ^2/NDF:12392898.5/55

All: 99.337+/-0.009 χ^2/NDF: 23163134.0/105



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1411.678+/-529.143 χ^2/NDF: 21.8/30

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

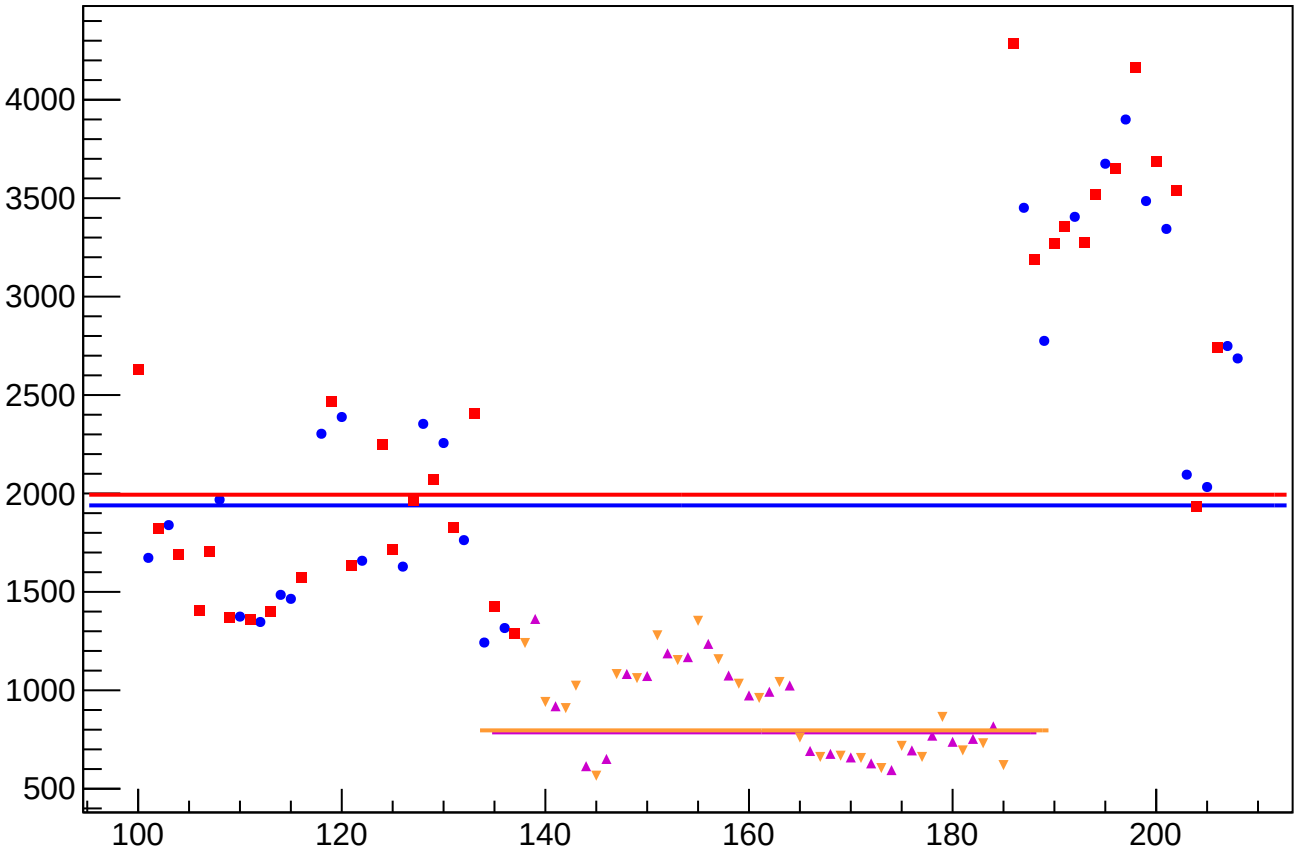
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

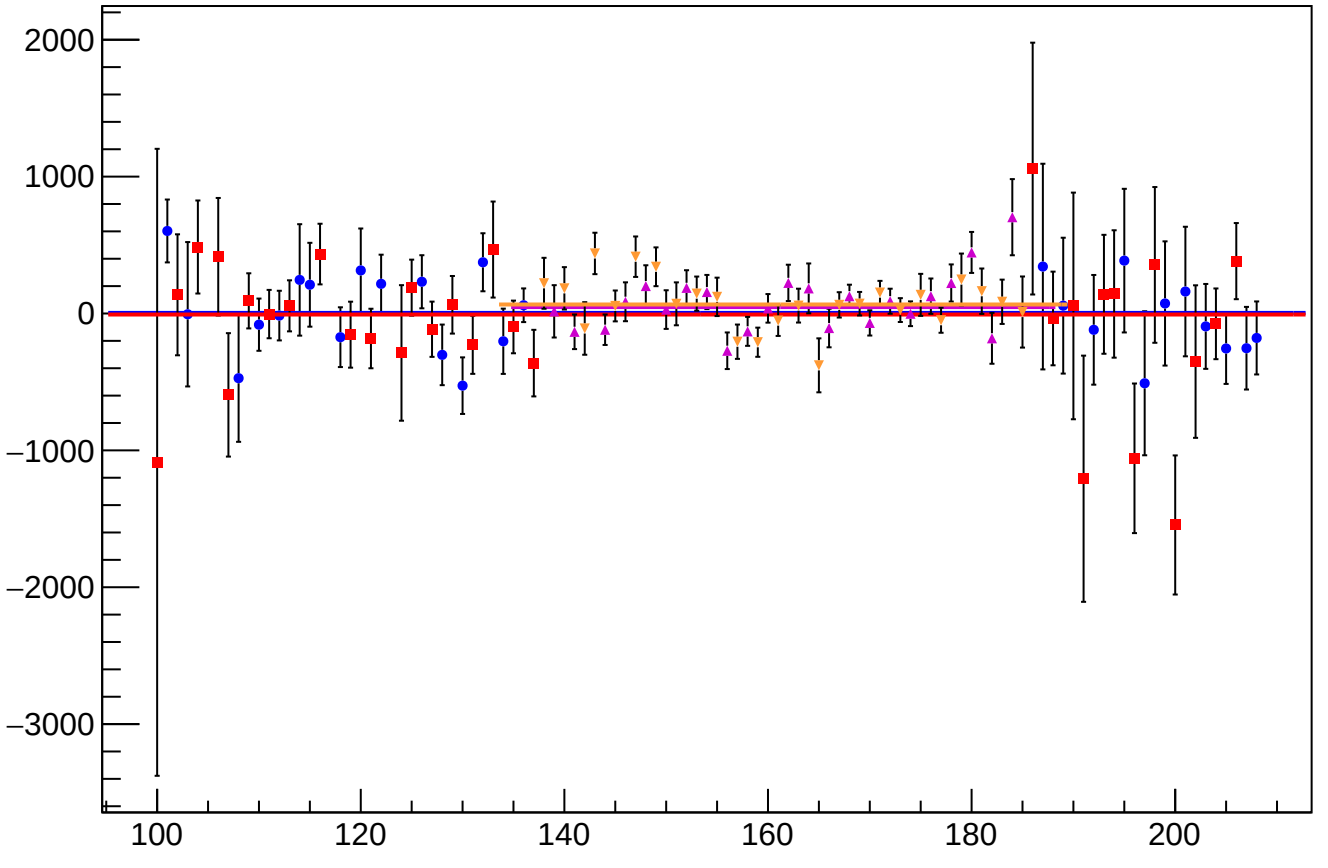
Right: 84.055+/-370.871 χ^2/NDF: 69.6/57

In: -42.260+/-178.682 χ^2/NDF:68.1/49

Out: -554.011+/-176.946 χ^2/NDF:109.2/55

All: -300.633+/-125.729 χ^2/NDF: 181.5/105


asym_sam3_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1939.364+/-0.368 χ²/NDF: 3460036.5/26
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 1993.676+/-0.374 χ²/NDF: 4116633.5/30
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
Left: 791.497+/-0.094 χ²/NDF: 4577356.9/47
Right: 1966.045+/-0.262 χ²/NDF: 7587389.9/57
In: 922.500+/-0.126 χ²/NDF:14290120.7/49
Out: 930.394+/-0.125 χ²/NDF:15626977.5/55
All: 926.486+/-0.089 χ²/NDF: 29919069.2/10



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -7.539+/-51.189 χ^2/NDF: 36.4/30

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

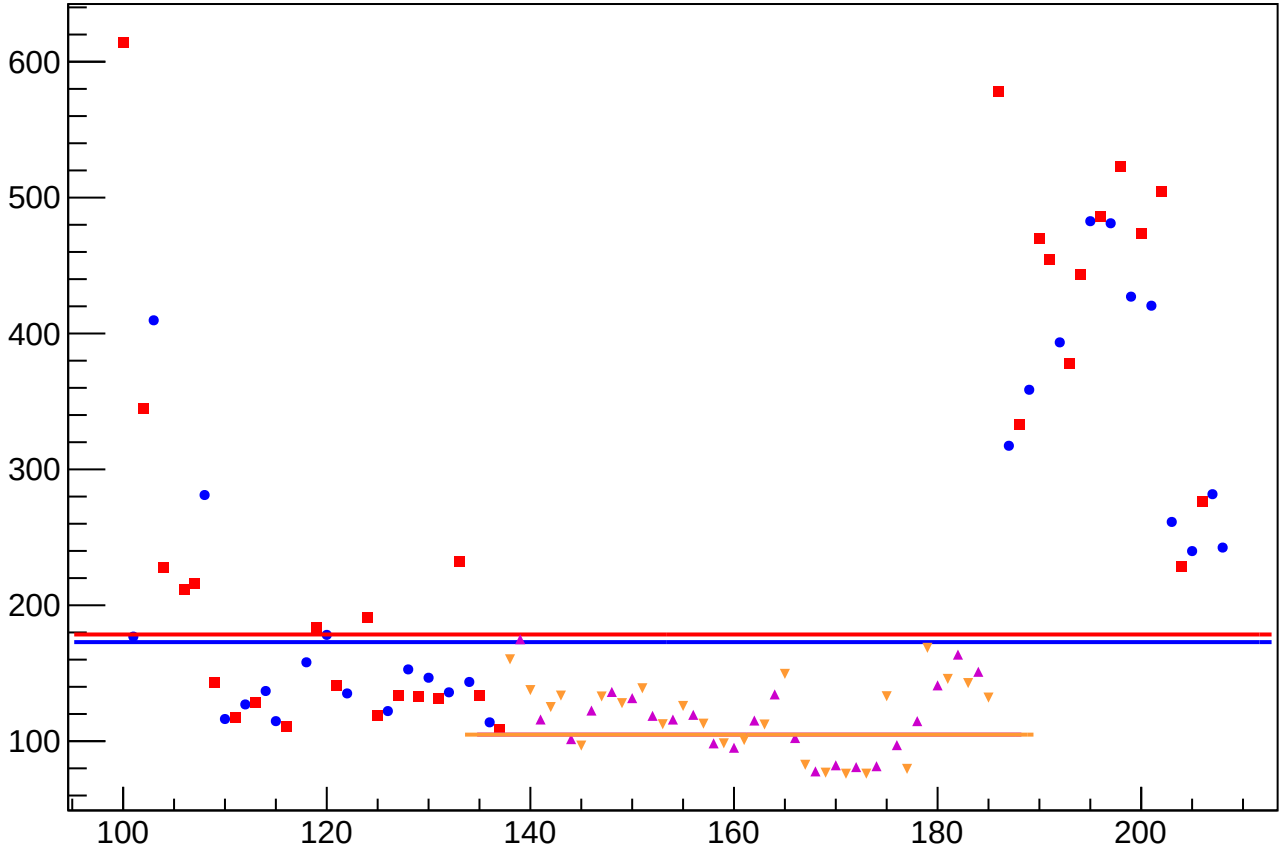
Right: -1.432+/-35.527 χ^2/NDF: 66.1/57

In: 37.910+/-22.791 χ^2/NDF:68.9/49

Out: 51.543+/-22.507 χ^2/NDF:78.1/55

All: 44.812+/-16.014 χ^2/NDF: 147.2/105

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 172.892+/-0.035 χ^2/NDF: 5924687.5/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234549.9/30

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

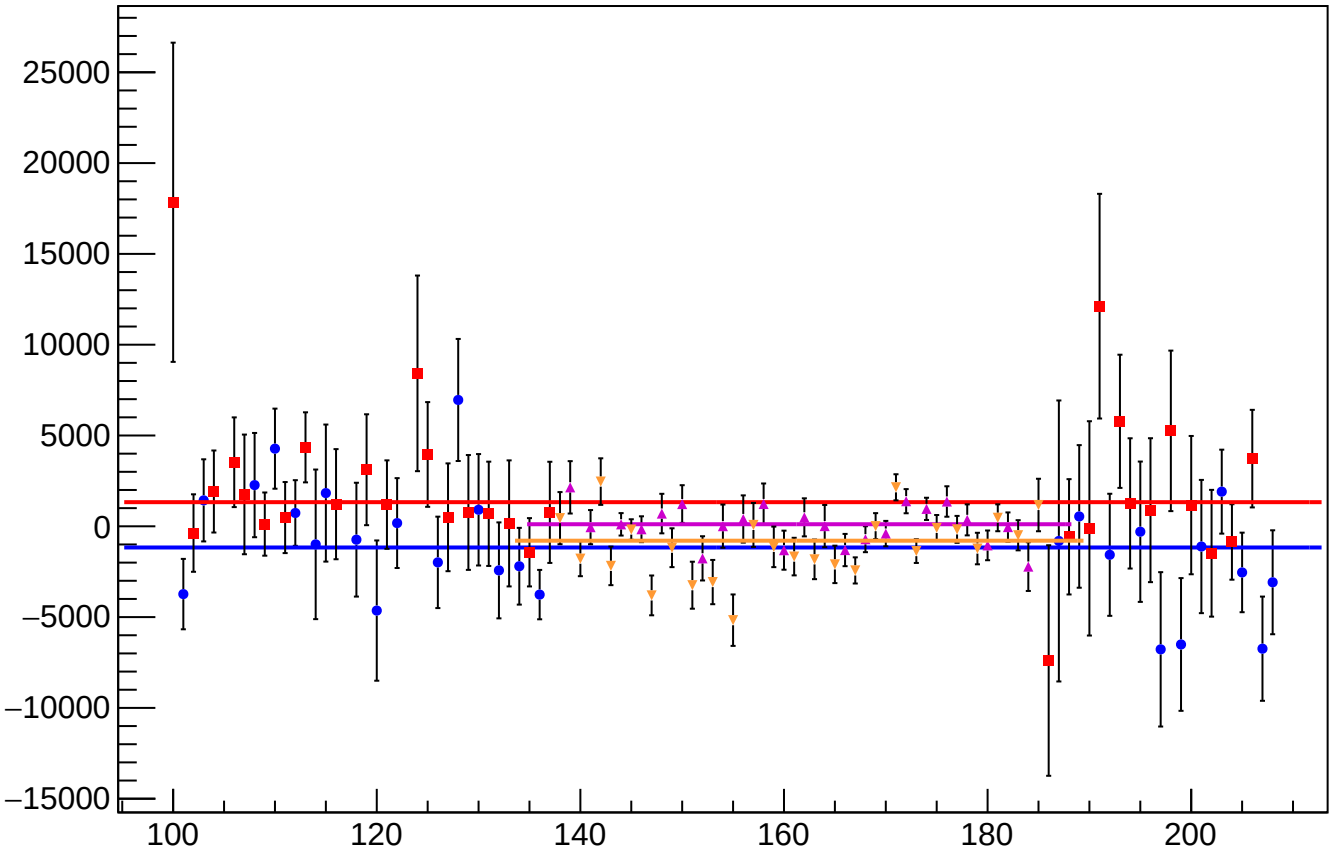
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 175.597+/-0.025 χ^2/NDF: 13171714.7/57

In: 119.352+/-0.016 χ^2/NDF:10531858.7/49

Out: 119.057+/-0.016 χ^2/NDF:12821456.4/55

All: 119.203+/-0.011 χ^2/NDF: 23353484.5/10



Right In: -1166.594+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1328.929+/-507.587 χ^2/NDF: 23.7/30

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

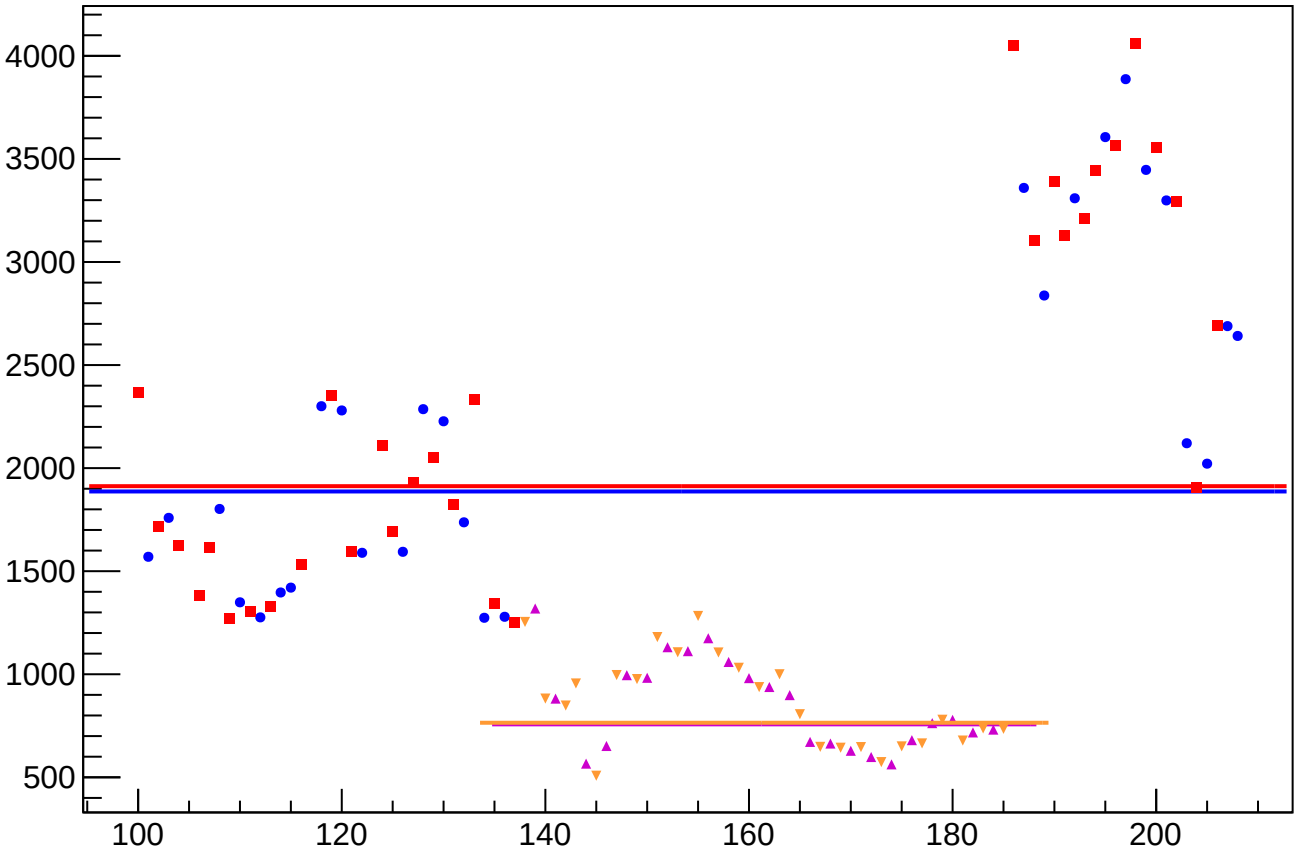
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 78.539+/-358.540 χ^2/NDF: 70.3/57

In: -34.319+/-172.216 χ^2/NDF:66.4/49

Out: -556.271+/-169.562 χ^2/NDF:109.3/55

All: -299.347+/-120.826 χ^2/NDF: 180.4/105



Right In: 1886.763+/-0.358 χ^2/NDF: 3577697.7/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1912.413+/-0.359 χ^2/NDF: 4265911.7/30

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

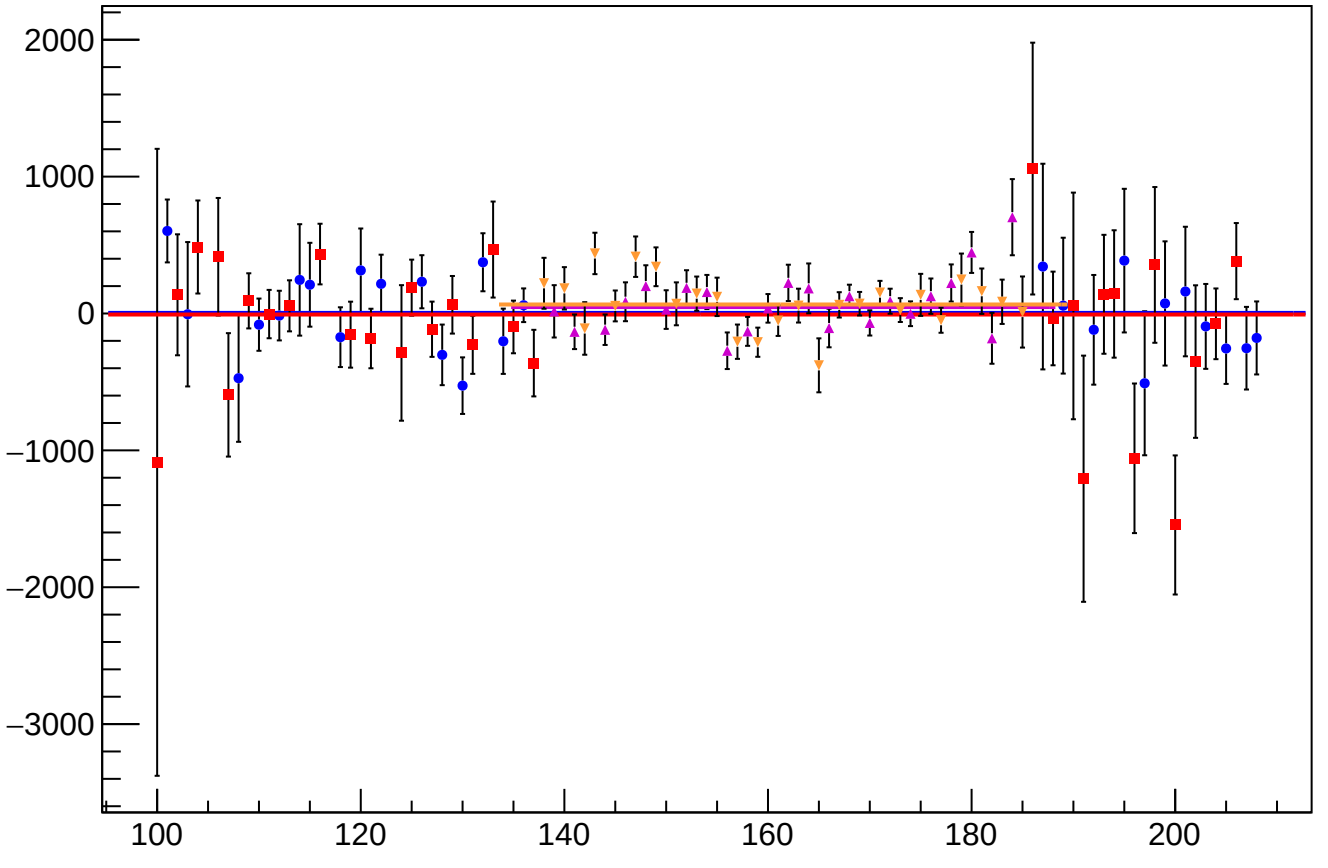
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1899.561+/-0.254 χ^2/NDF: 7846168.2/57

In: 887.535+/-0.122 χ^2/NDF:14493701.6/49

Out: 892.807+/-0.120 χ^2/NDF:15775130.7/55

All: 890.212+/-0.085 χ^2/NDF: 30269783.9/10



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -7.542+/-51.189 χ^2/NDF: 36.4/30

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

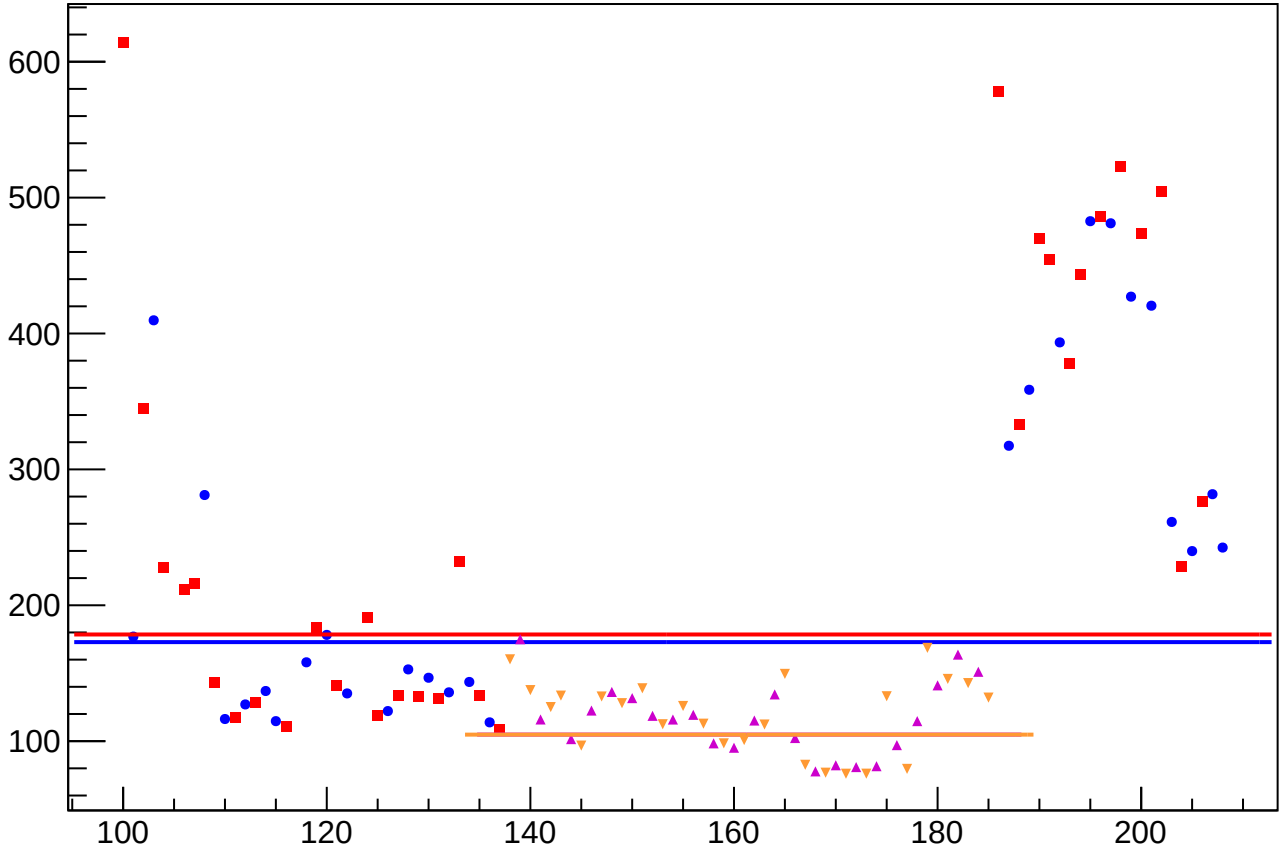
Right: -1.434+/-35.527 χ^2/NDF: 66.1/57

In: 37.909+/-22.791 χ^2/NDF:68.9/49

Out: 51.543+/-22.507 χ^2/NDF:78.1/55

All: 44.811+/-16.014 χ^2/NDF: 147.2/105

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 172.892+/-0.035 χ^2/NDF: 5924677.6/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234537.3/30

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

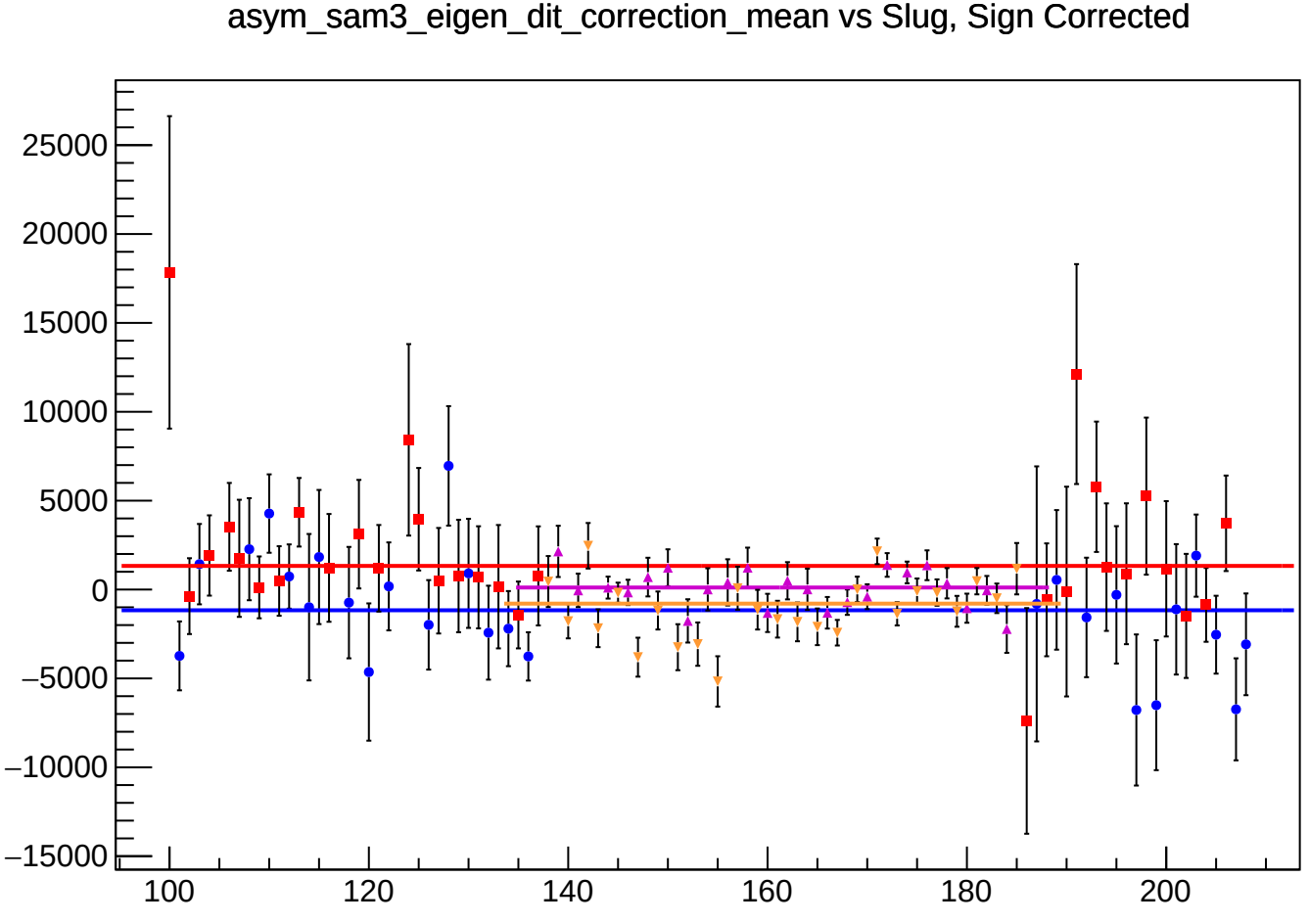
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 175.597+/-0.025 χ^2/NDF: 13171693.3/57

In: 119.353+/-0.016 χ^2/NDF:10531847.6/49

Out: 119.058+/-0.016 χ^2/NDF:12821467.4/55

All: 119.203+/-0.011 χ^2/NDF: 23353484.4/10



Right In: -1166.591+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1328.929+/-507.587 χ^2/NDF: 23.7/30

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

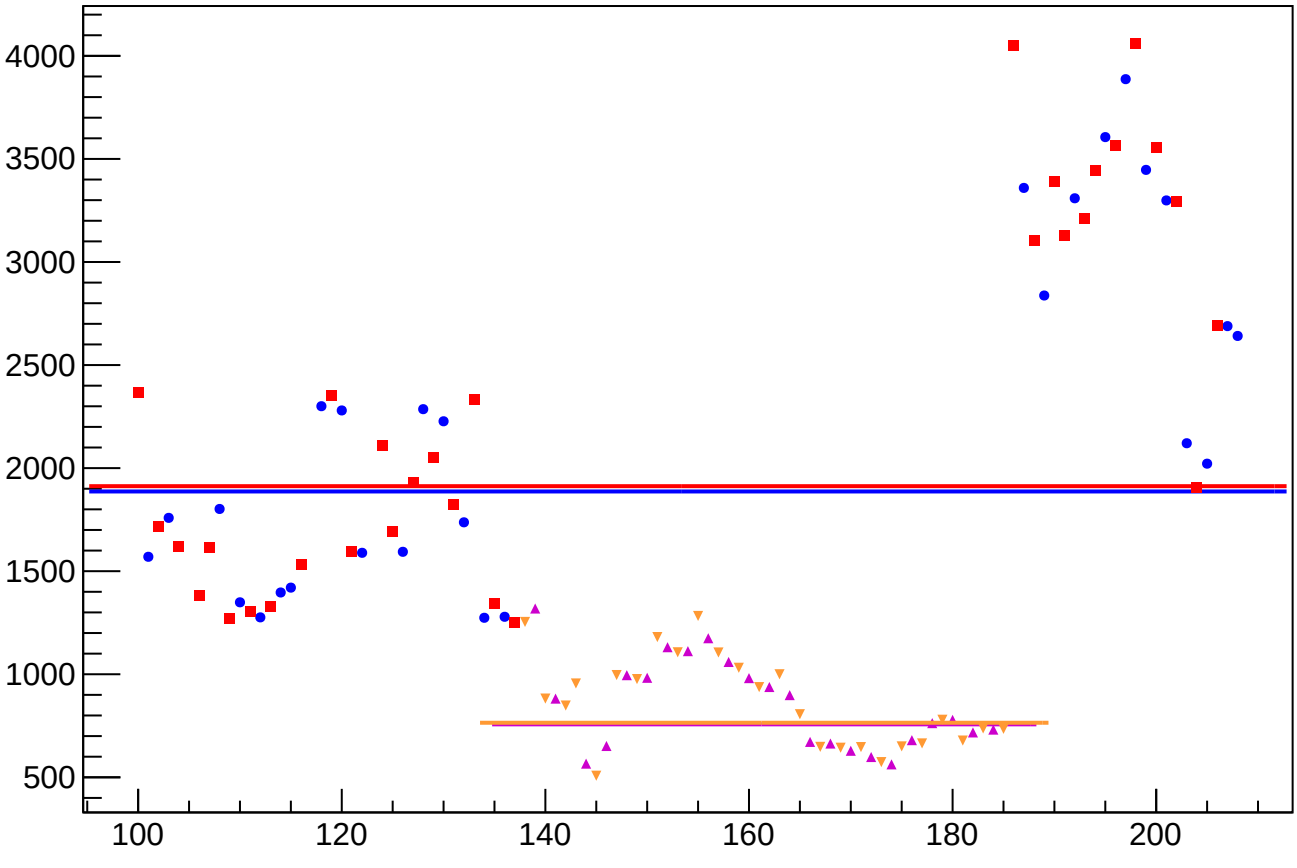
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 78.541+/-358.540 χ^2/NDF: 70.3/57

In: -34.319+/-172.216 χ^2/NDF:66.4/49

Out: -556.271+/-169.562 χ^2/NDF:109.3/55

All: -299.348+/-120.826 χ^2/NDF: 180.4/105



Right In: 1886.762+/-0.358 χ^2/NDF: 3577697.2/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1912.410+/-0.359 χ^2/NDF: 4265911.3/30

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

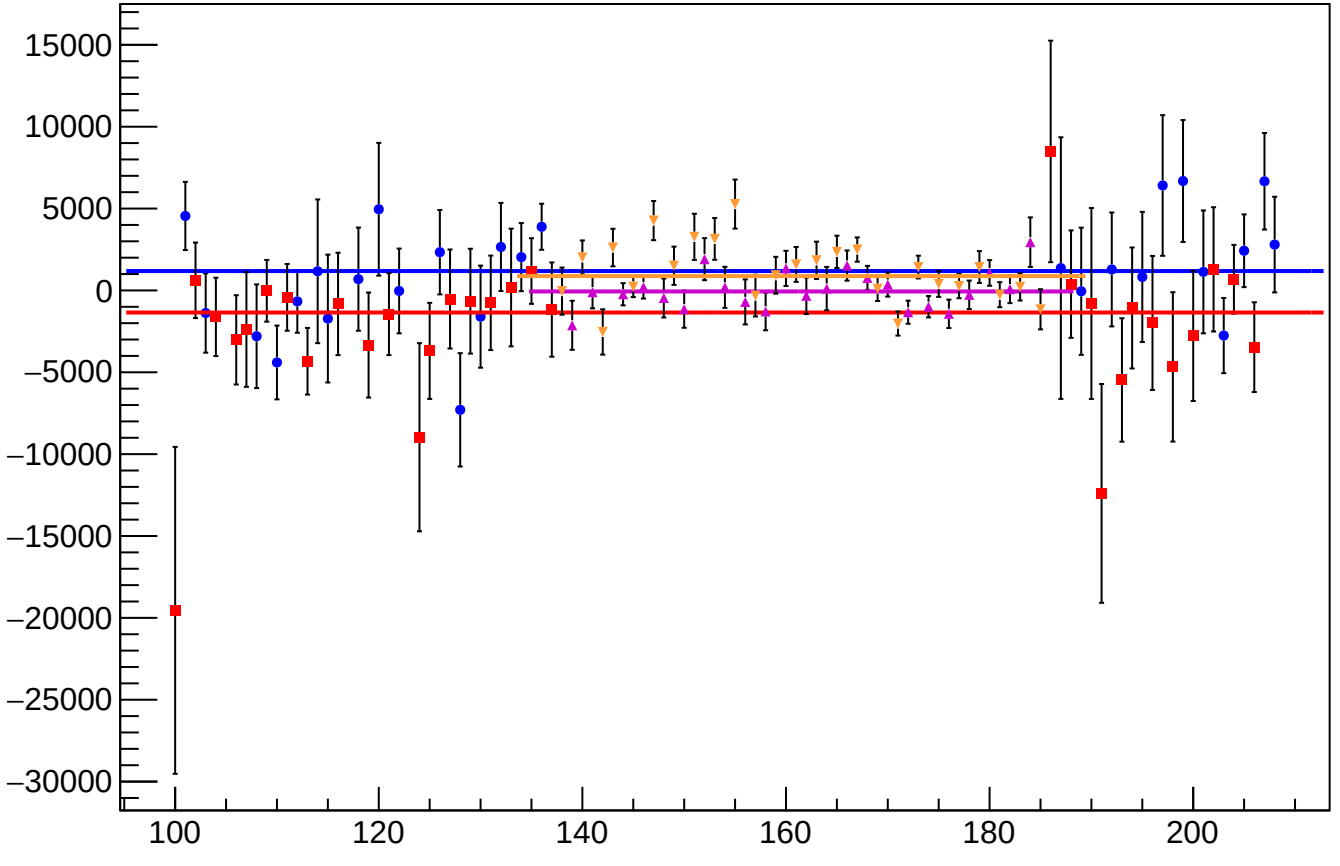
Right: 1899.559+/-0.254 χ^2/NDF: 7846167.3/57

In: 887.534+/-0.122 χ^2/NDF:14493696.4/49

Out: 892.806+/-0.120 χ^2/NDF:15775116.4/55

All: 890.211+/-0.085 χ^2/NDF: 30269764.4/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1182.809+/-522.600 χ^2/NDF: 36.0/26

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1348.751+/-531.306 χ^2/NDF: 21.2/30

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

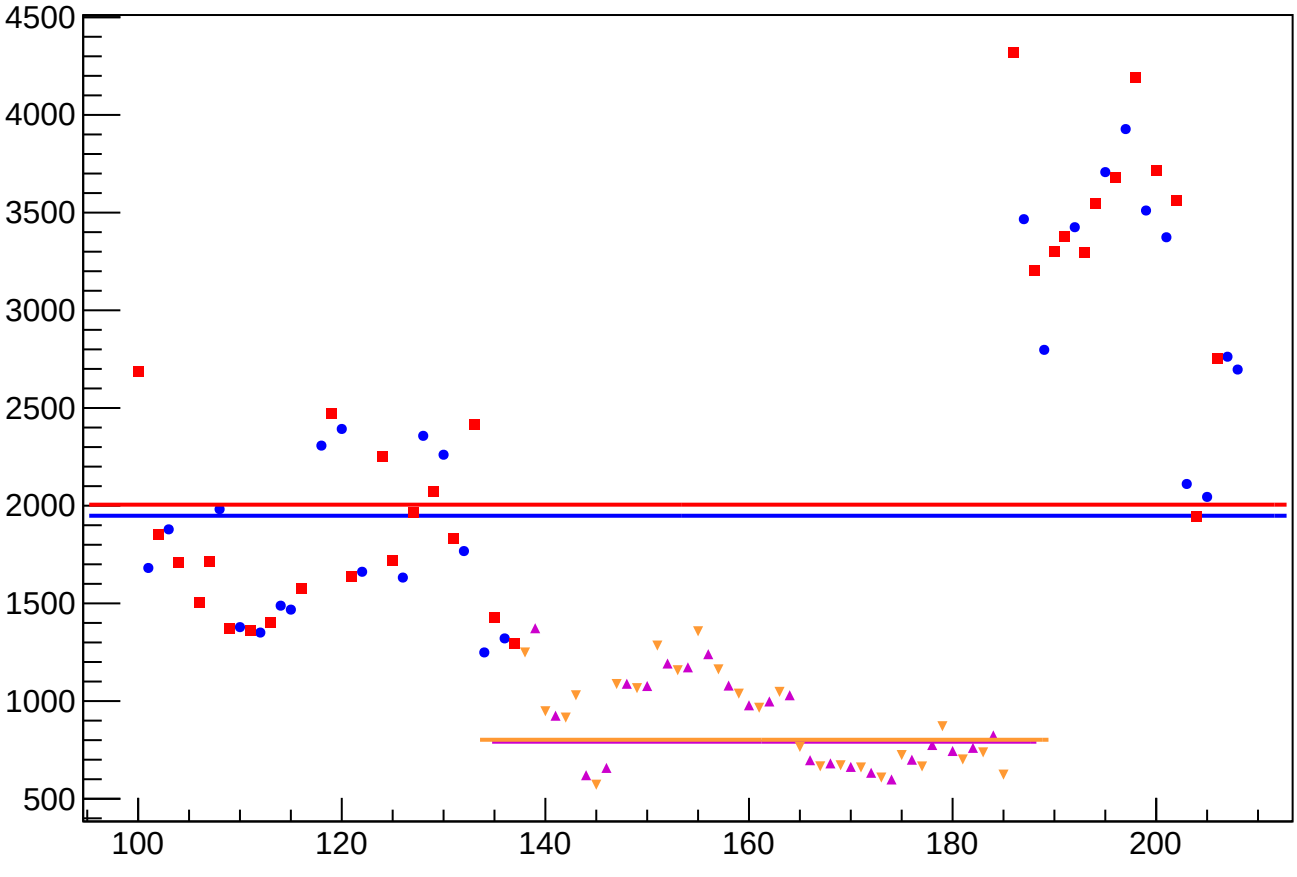
Right: -62.058+/-372.574 χ^2/NDF: 68.7/57

In: 84.827+/-179.888 χ^2/NDF:68.1/49

Out: 626.531+/-178.068 χ^2/NDF:104.0/55

All: 358.434+/-126.551 χ^2/NDF: 176.7/105

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1948.512+/-0.370 χ^2/NDF: 3479467.3/26

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2005.217+/-0.376 χ^2/NDF: 4118469.0/30

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

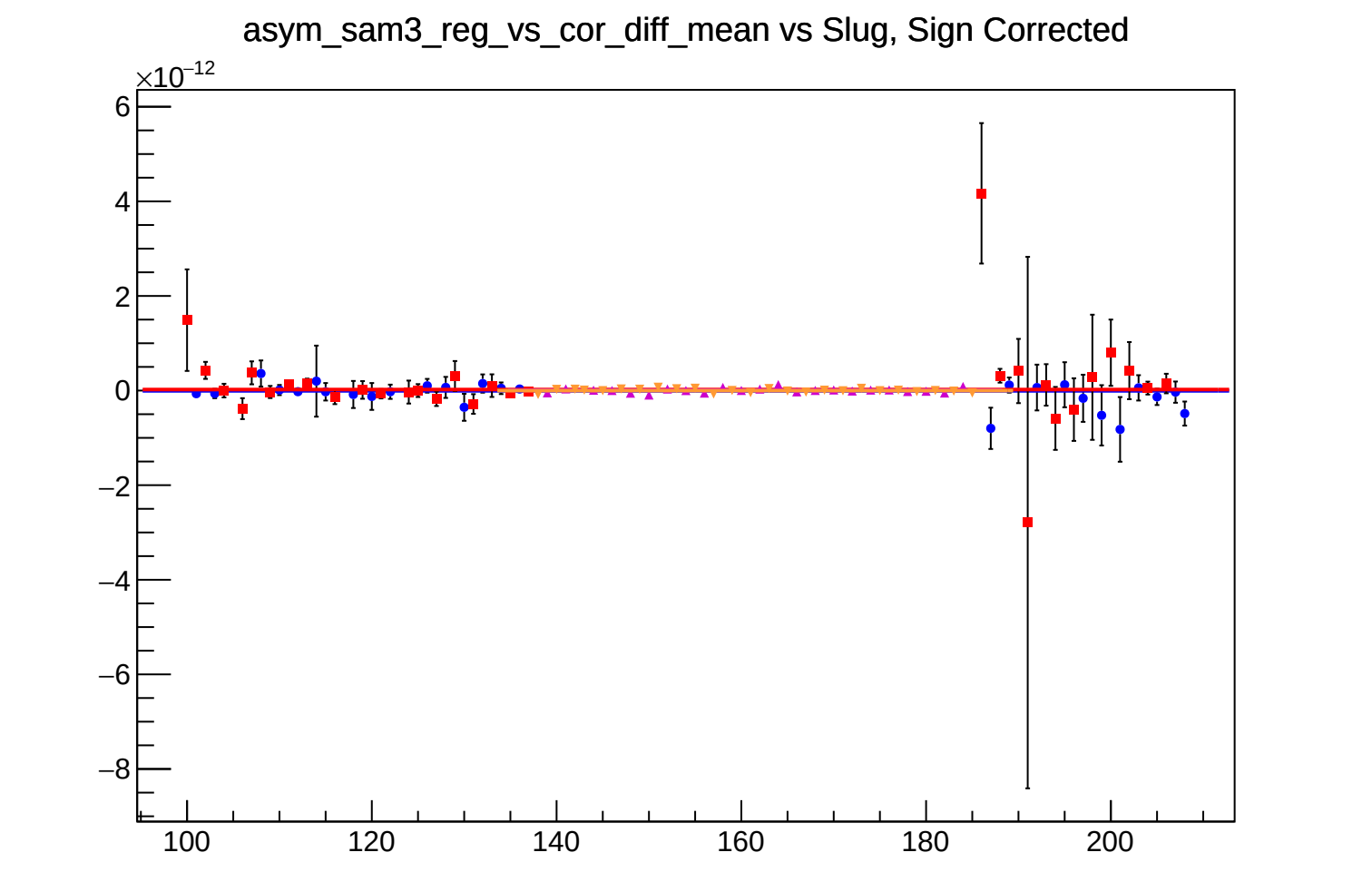
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 1976.396+/-0.263 χ^2/NDF: 7609515.3/57

In: 929.083+/-0.127 χ^2/NDF:14248331.6/49

Out: 937.165+/-0.126 χ^2/NDF:15619311.7/55

All: 933.165+/-0.089 χ^2/NDF: 29869682.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/30

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

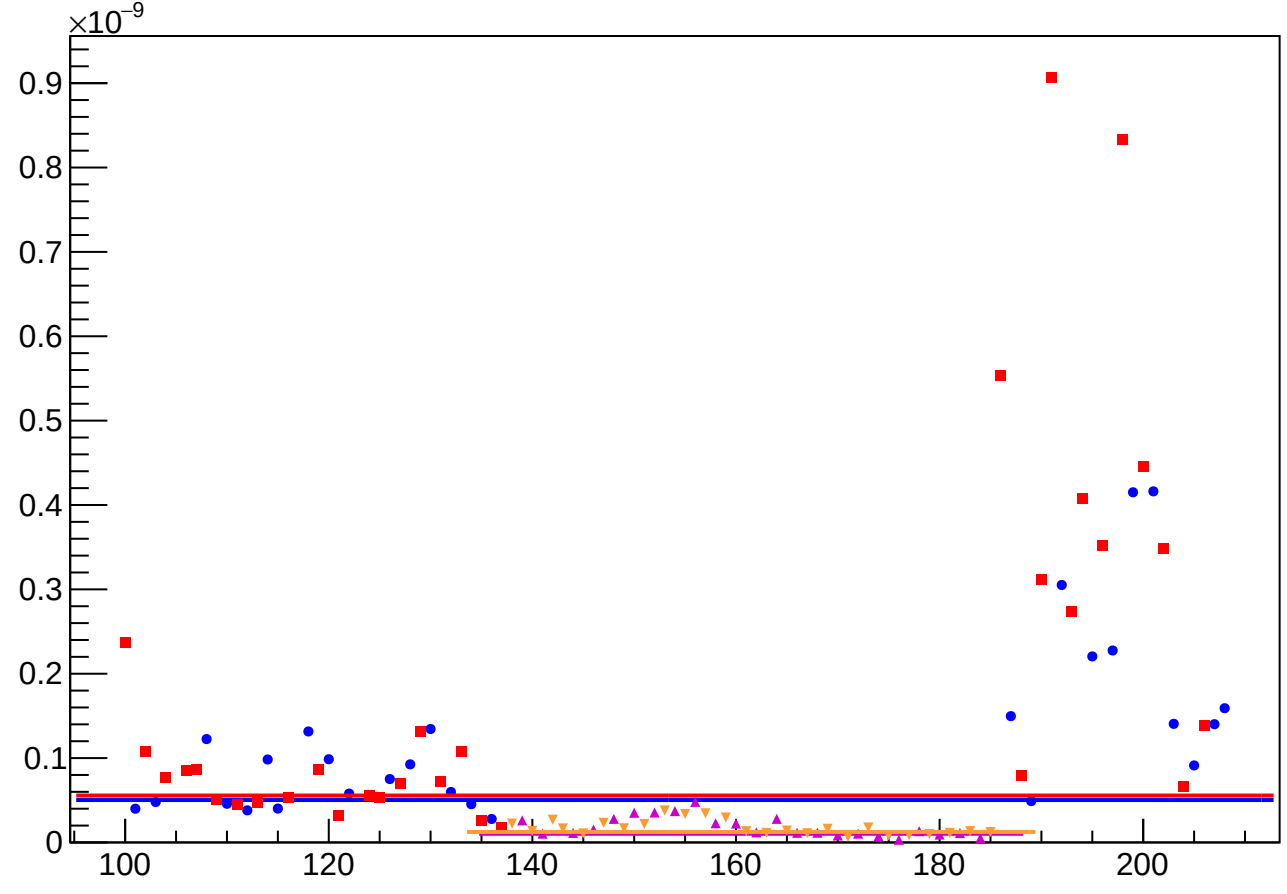
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 57.6/57

In: 0.000+/-0.000 χ^2/NDF:49.1/49

Out: -0.000+/-0.000 χ^2/NDF:64.3/55

All: 0.000+/-0.000 χ^2/NDF: 114.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 4744986.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749181.8/30

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

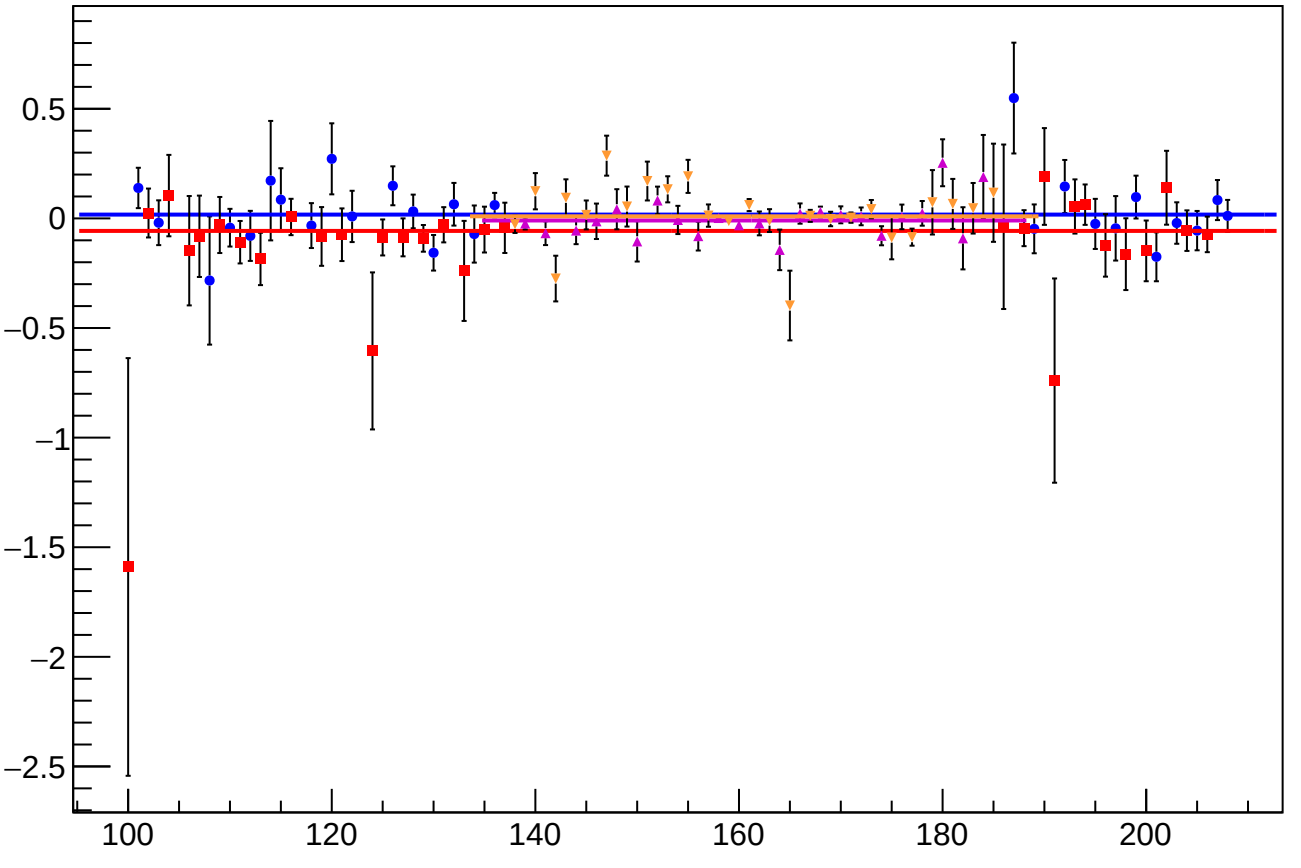
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10532599.5/57

In: 0.000+/-0.000 χ^2/NDF:13023655.2/49

Out: 0.000+/-0.000 χ^2/NDF:12384626.5/55

All: 0.000+/-0.000 χ^2/NDF: 25600699.5/105



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

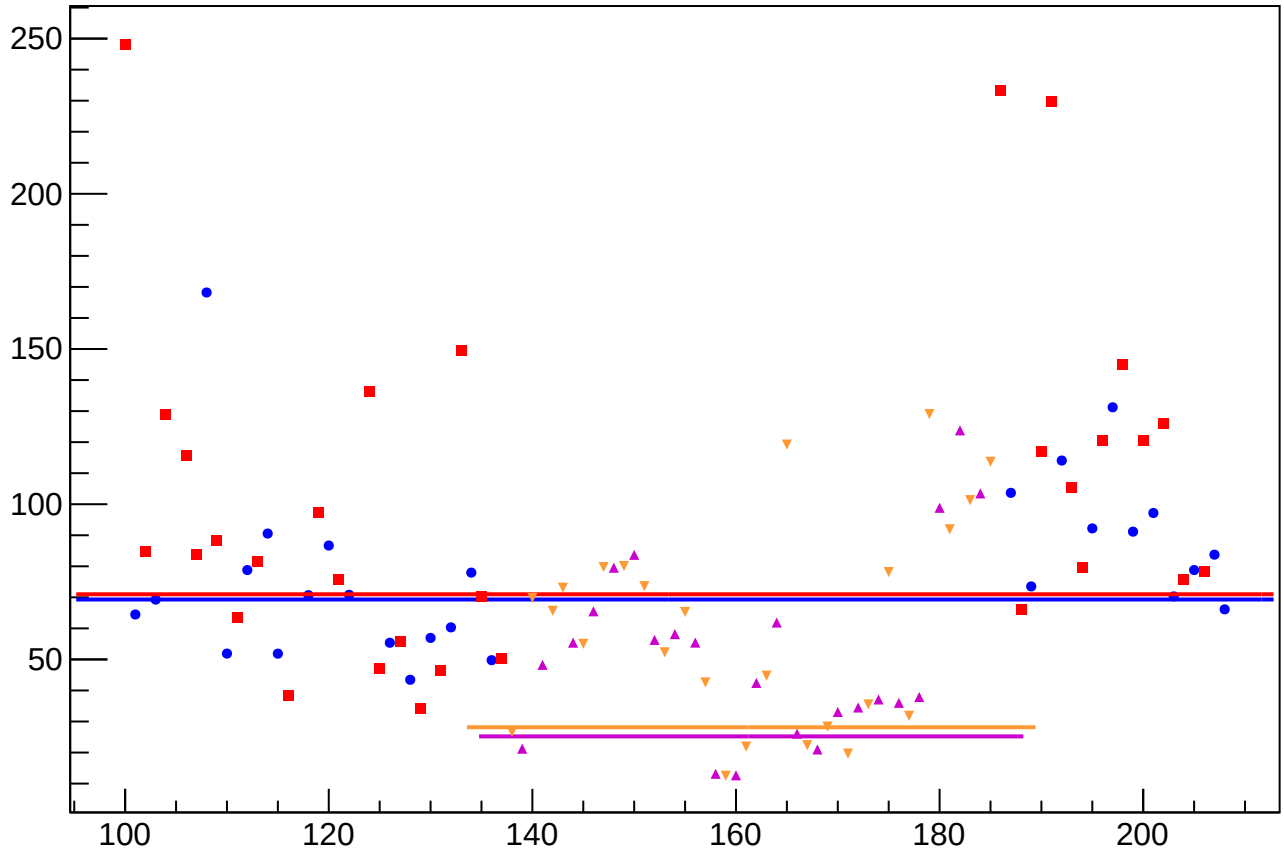
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.014 χ^2/NDF: 51.9/57

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/105



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

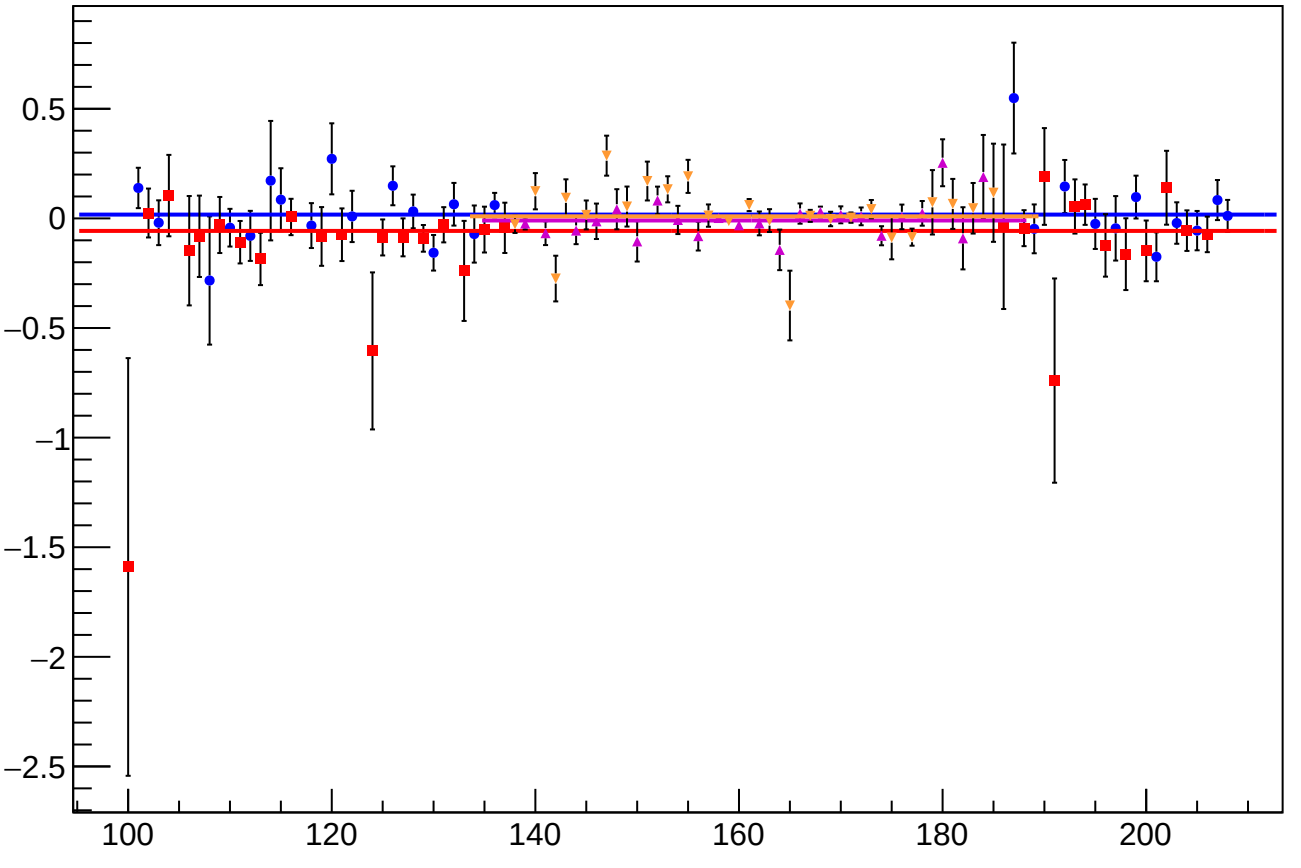
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 70.100+/-0.010 χ^2/NDF: 6398551.6/57

In: 31.515+/-0.005 χ^2/NDF:20867051.4/49

Out: 34.365+/-0.006 χ^2/NDF:22864205.1/55

All: 32.849+/-0.004 χ^2/NDF: 43872655.4/105



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

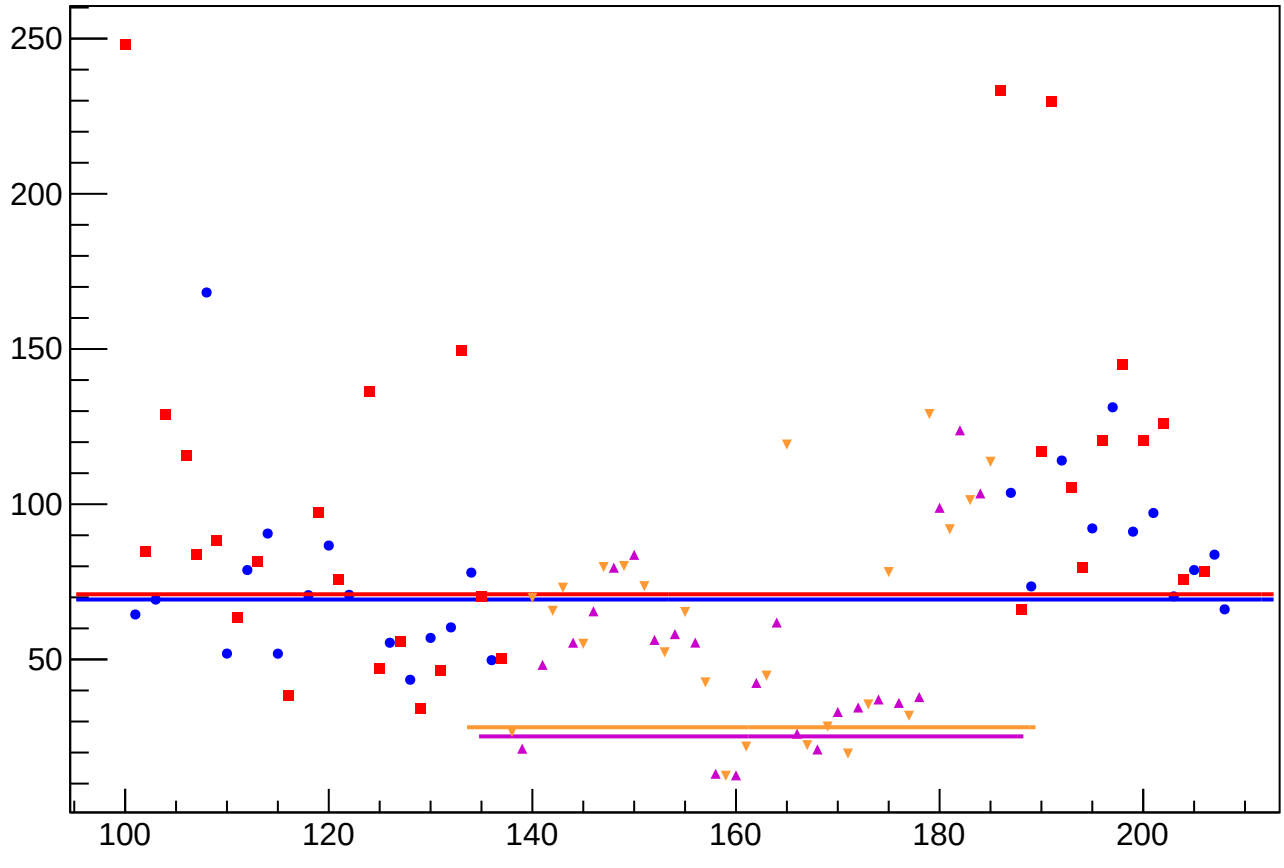
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.014 χ^2/NDF: 51.9/57

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/105



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

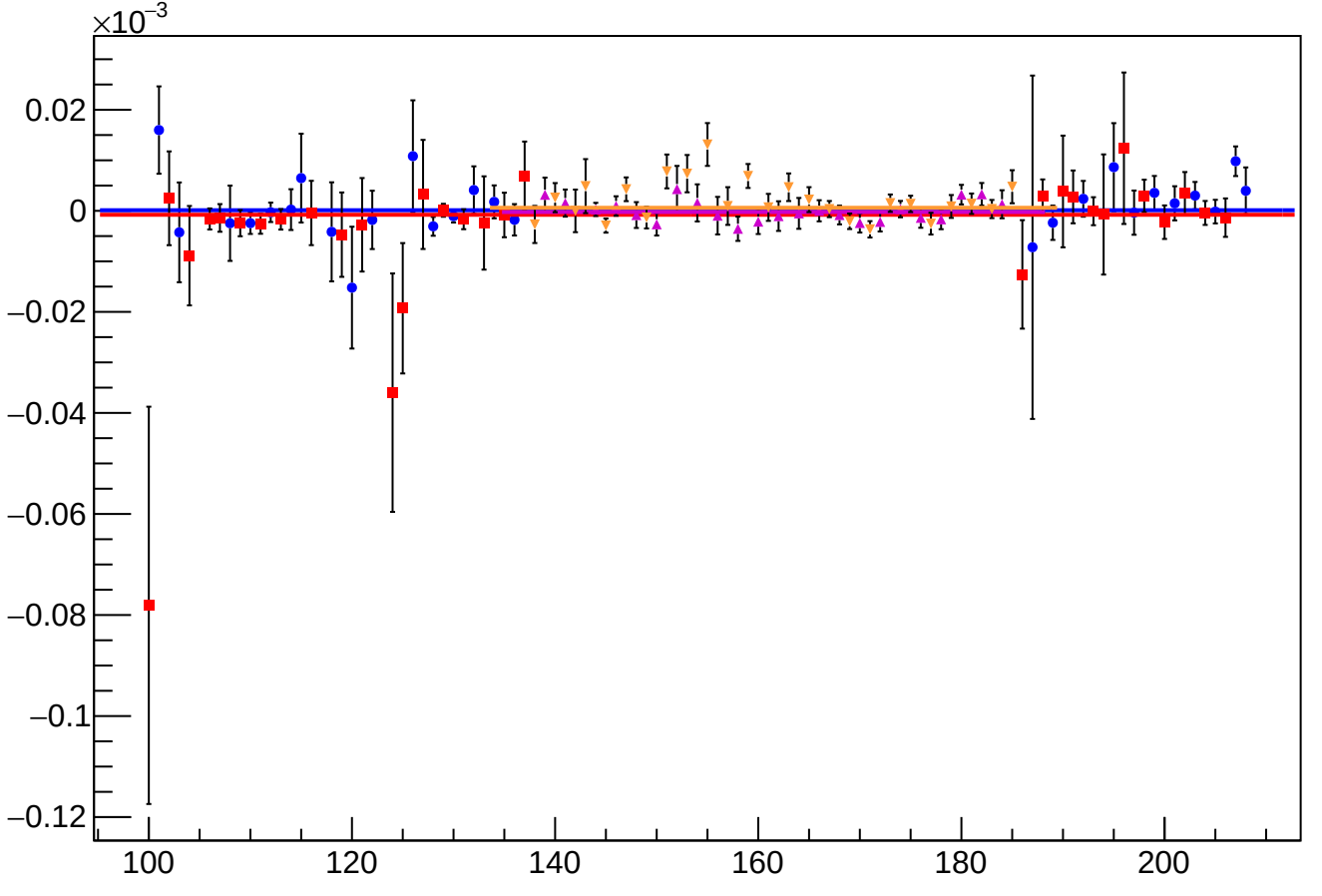
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 70.100+/-0.010 χ^2/NDF: 6398551.6/57

In: 31.515+/-0.005 χ^2/NDF:20867051.4/49

Out: 34.365+/-0.006 χ^2/NDF:22864205.1/55

All: 32.849+/-0.004 χ^2/NDF: 43872655.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/30

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

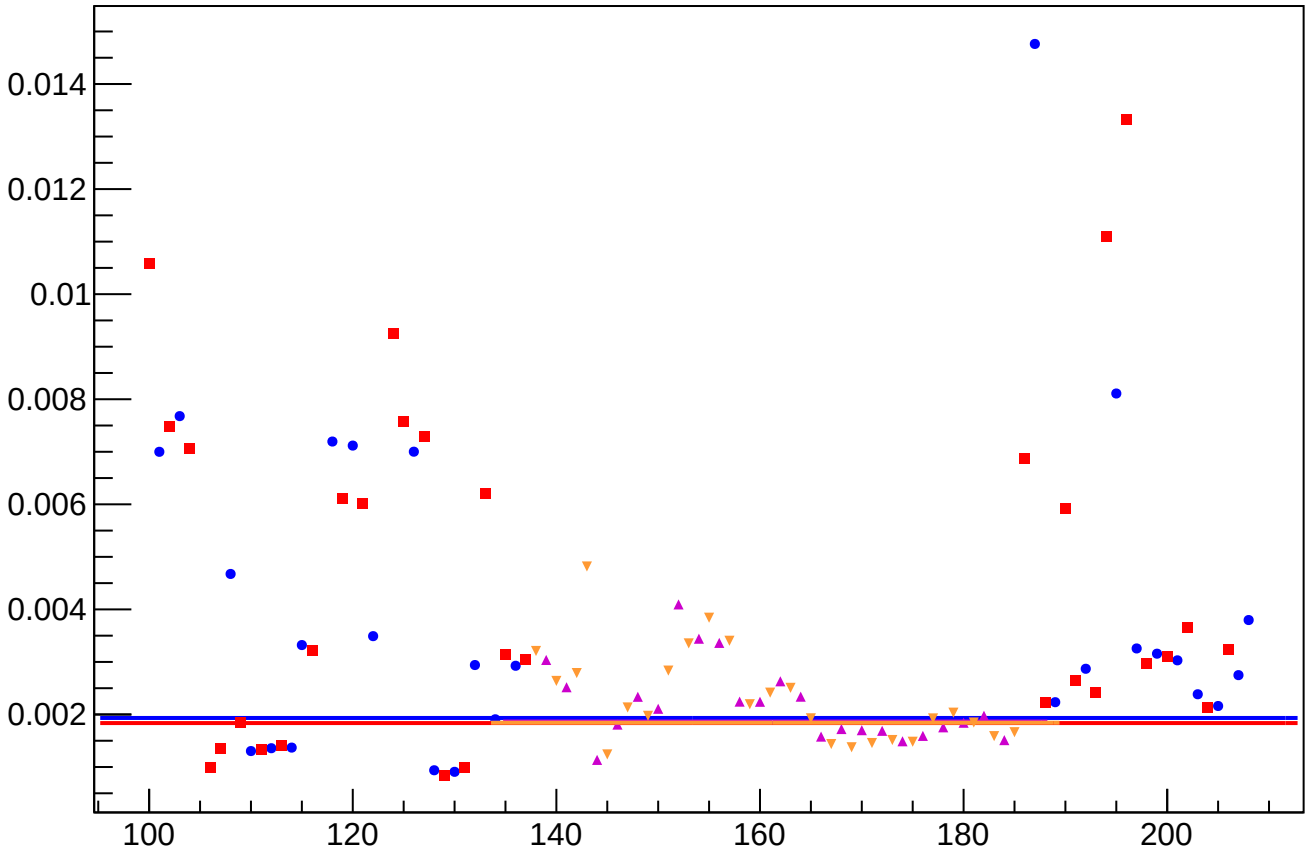
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 50.3/57

In: -0.000+/-0.000 χ^2/NDF:46.4/49

Out: 0.000+/-0.000 χ^2/NDF:75.3/55

All: 0.000+/-0.000 χ^2/NDF: 121.8/105



Right In: 0.002+/-0.000 χ^2/NDF: 8460860.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10906803.4/30

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

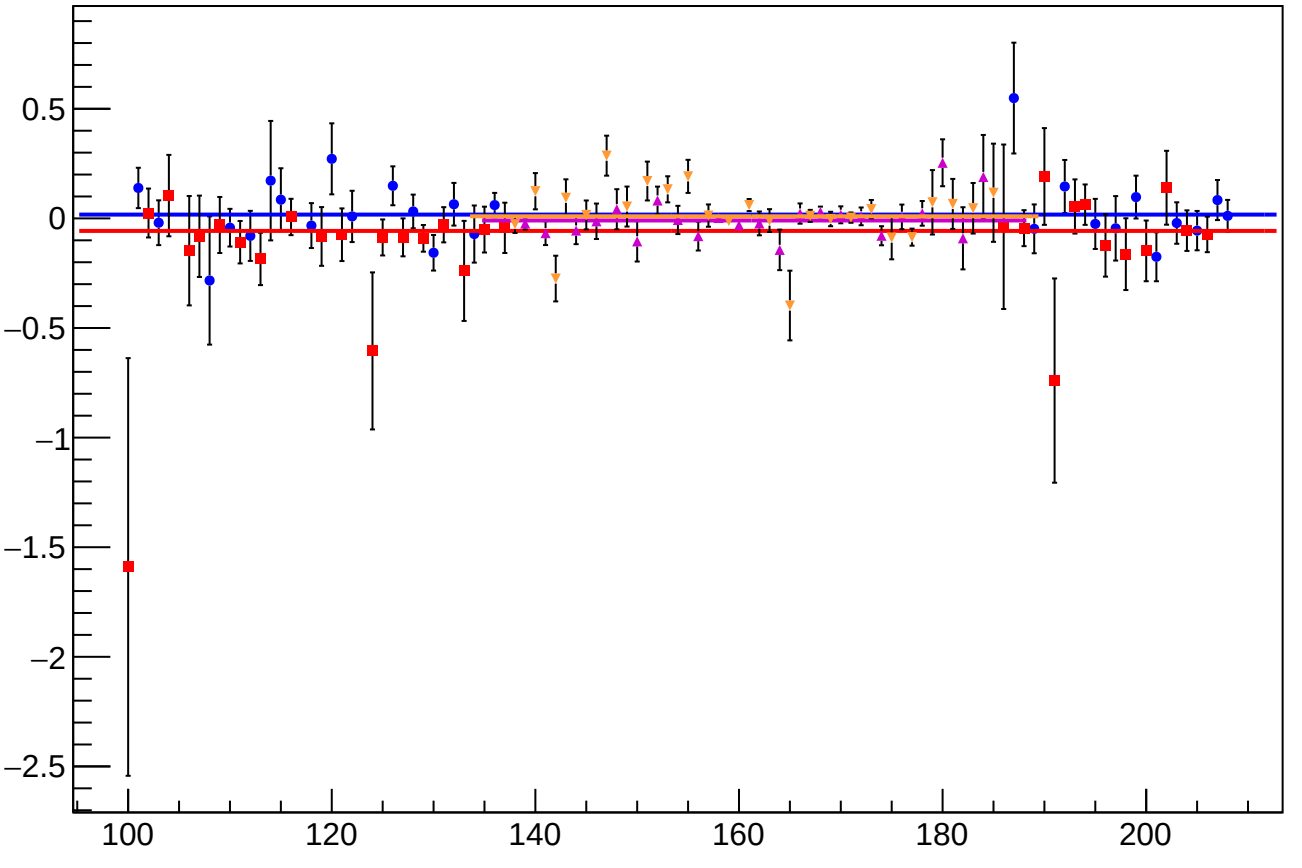
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 19393859.7/57

In: 0.002+/-0.000 χ^2/NDF:11271344.6/49

Out: 0.002+/-0.000 χ^2/NDF:14690156.3/55

All: 0.002+/-0.000 χ^2/NDF: 25980061.8/105



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

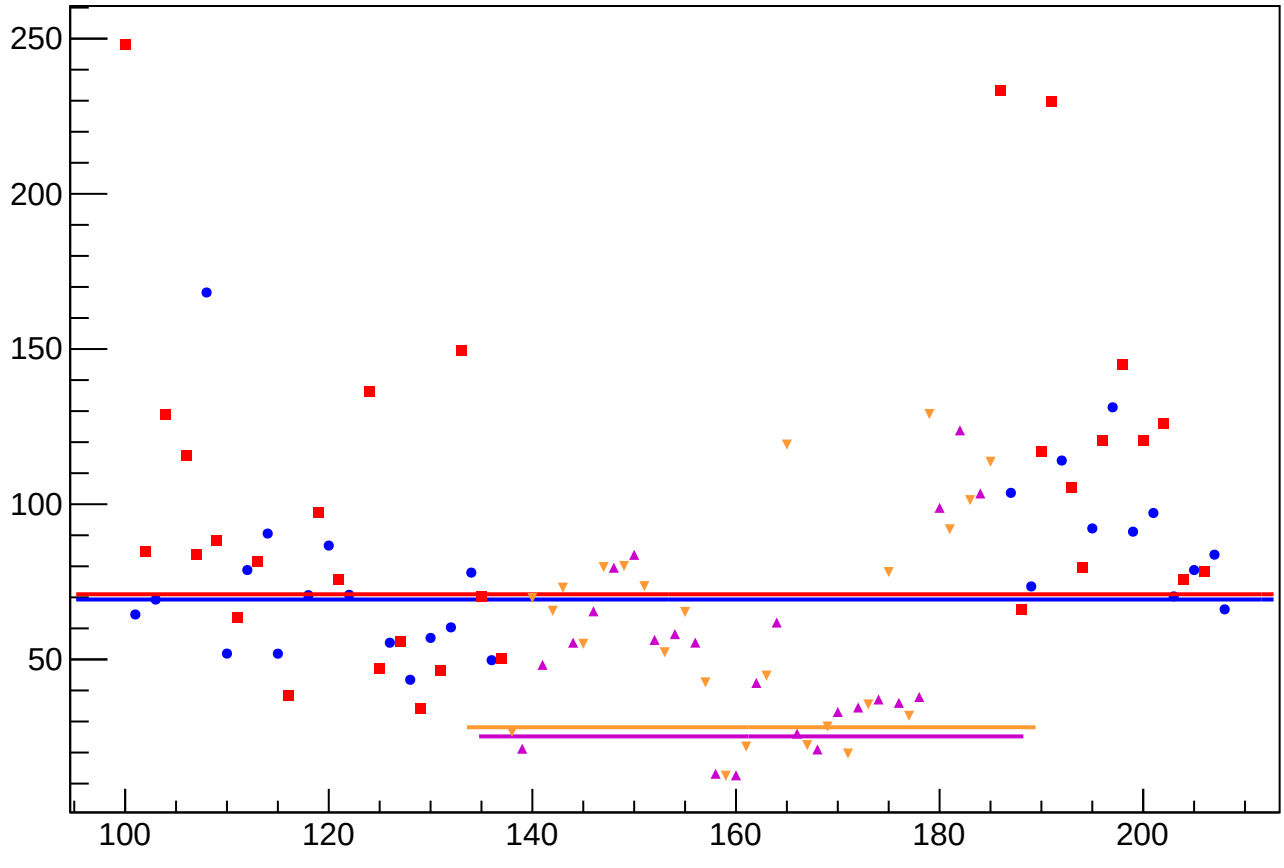
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.014 χ^2/NDF: 51.9/57

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/105



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

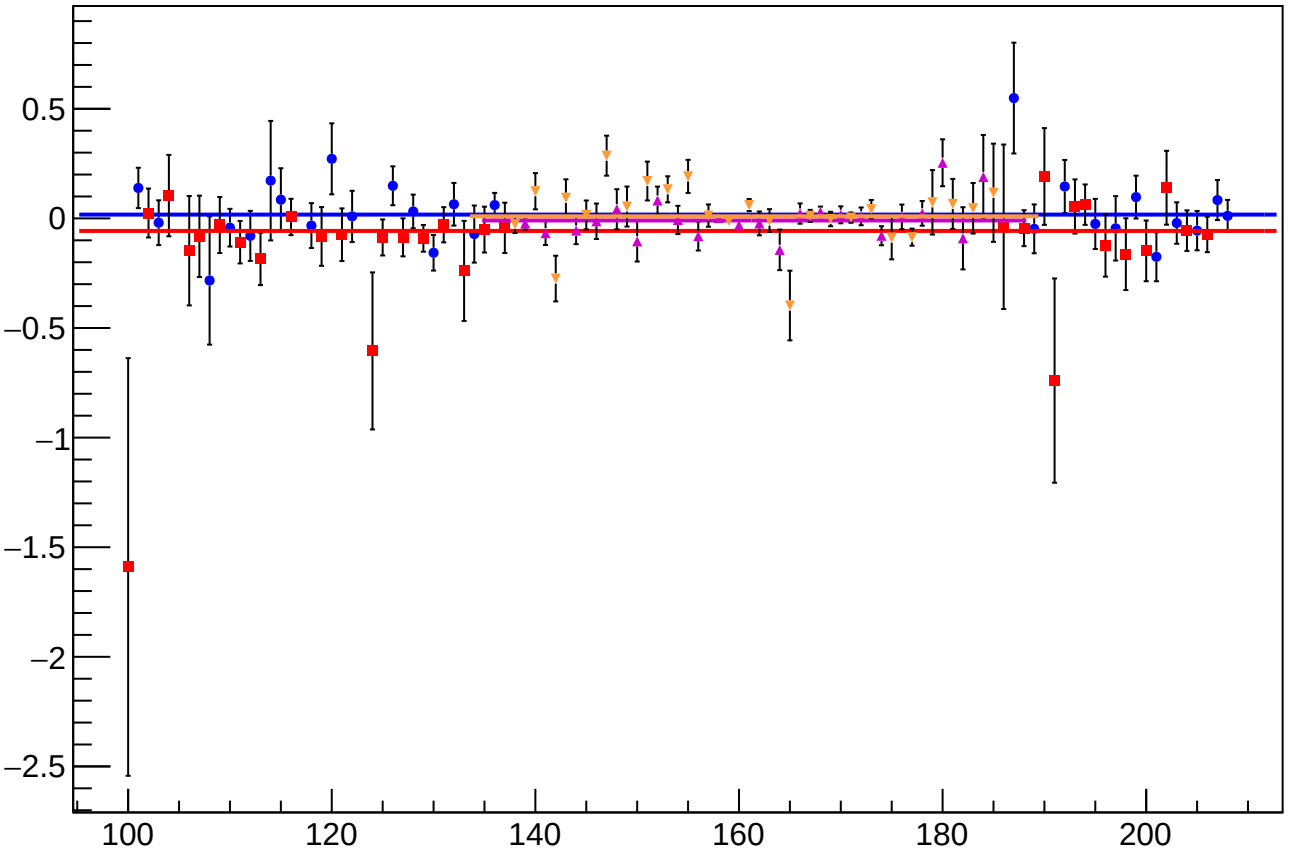
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 70.101+/-0.010 χ^2/NDF: 6398560.6/57

In: 31.514+/-0.005 χ^2/NDF:20867763.1/49

Out: 34.364+/-0.006 χ^2/NDF:22865980.3/55

All: 32.848+/-0.004 χ^2/NDF: 43875064.2/105



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.021 χ^2/NDF: 18.2/30

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

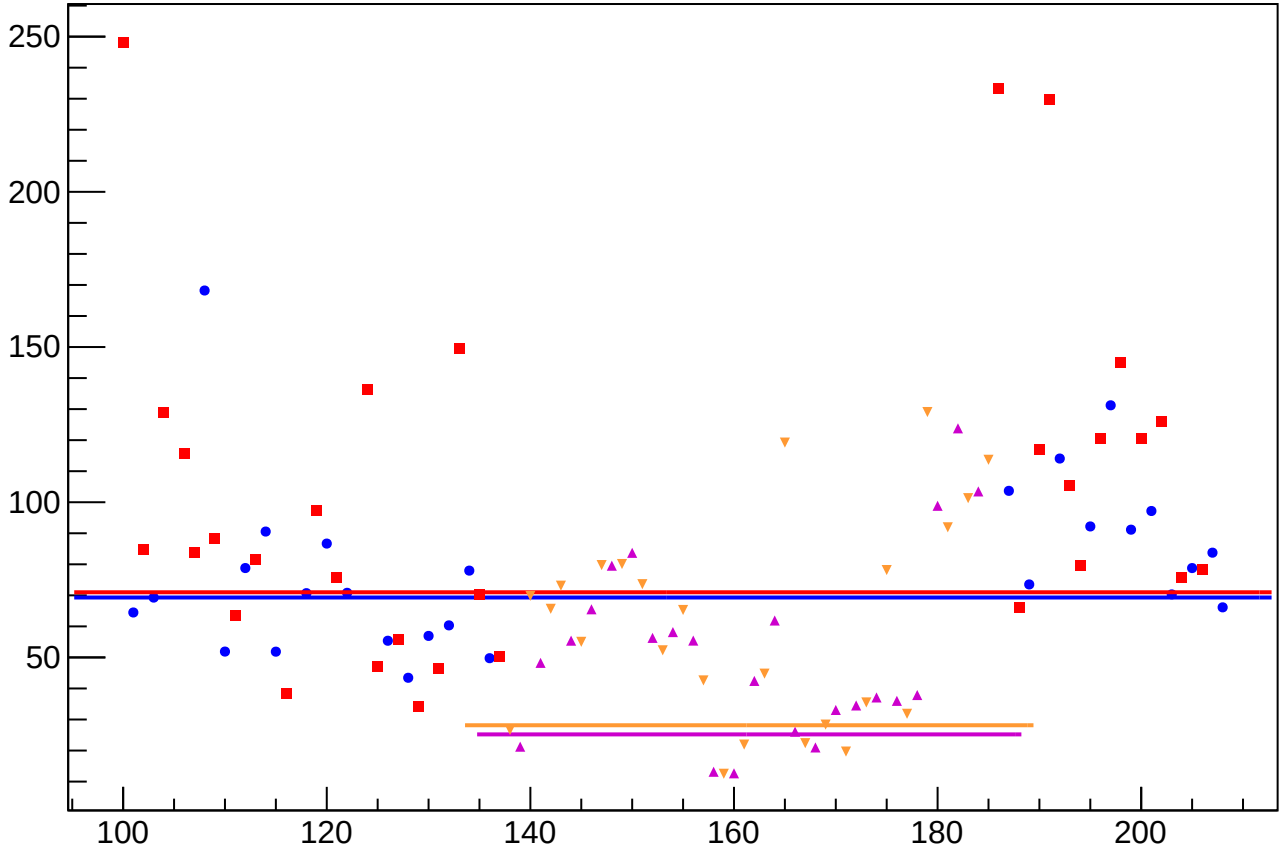
Right: -0.018+/-0.014 χ^2/NDF: 51.9/57

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/105

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

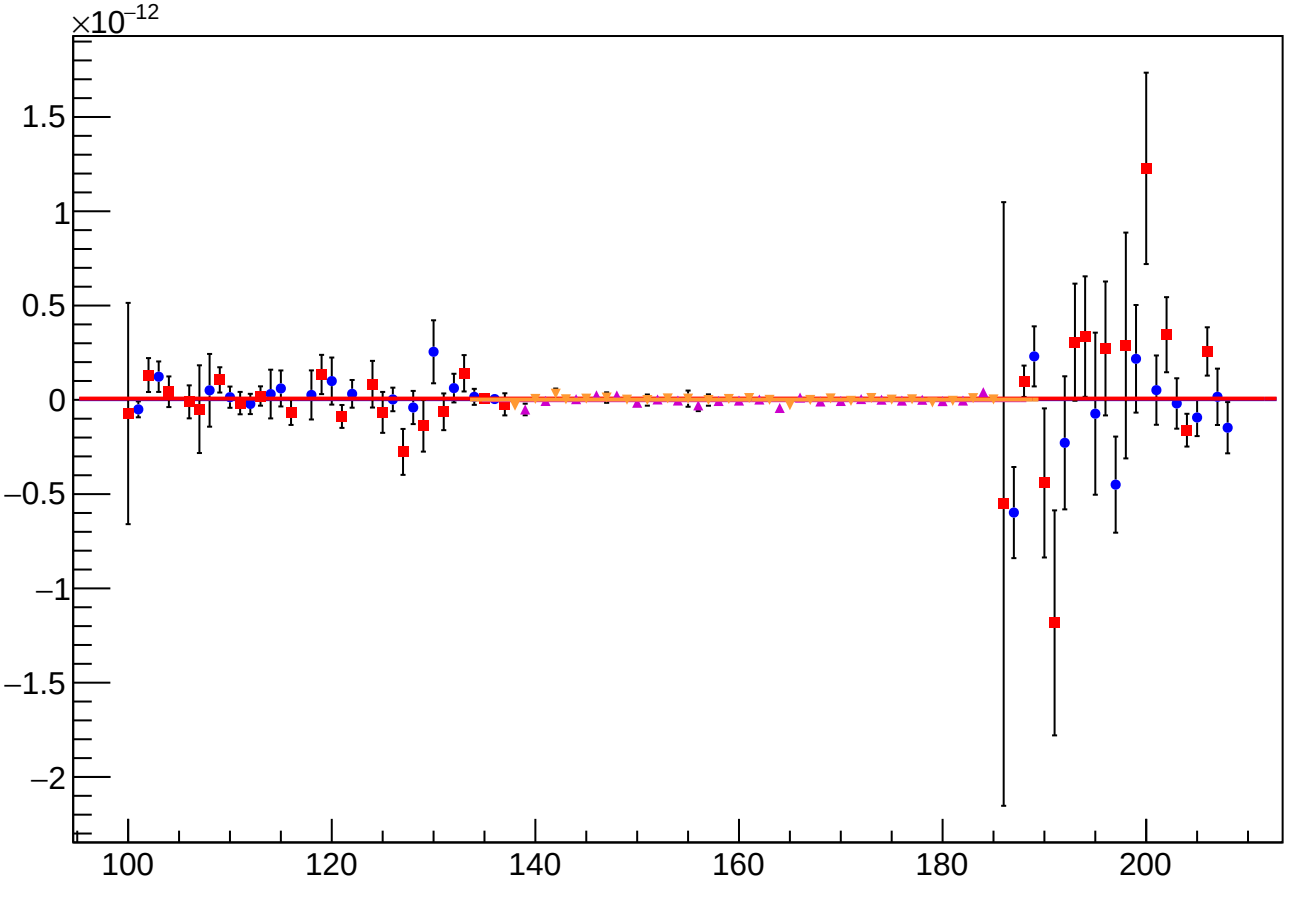
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 70.101+/-0.010 χ^2/NDF: 6398560.6/57

In: 31.514+/-0.005 χ^2/NDF:20867763.1/49

Out: 34.364+/-0.006 χ^2/NDF:22865980.3/55

All: 32.848+/-0.004 χ^2/NDF: 43875064.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/30

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

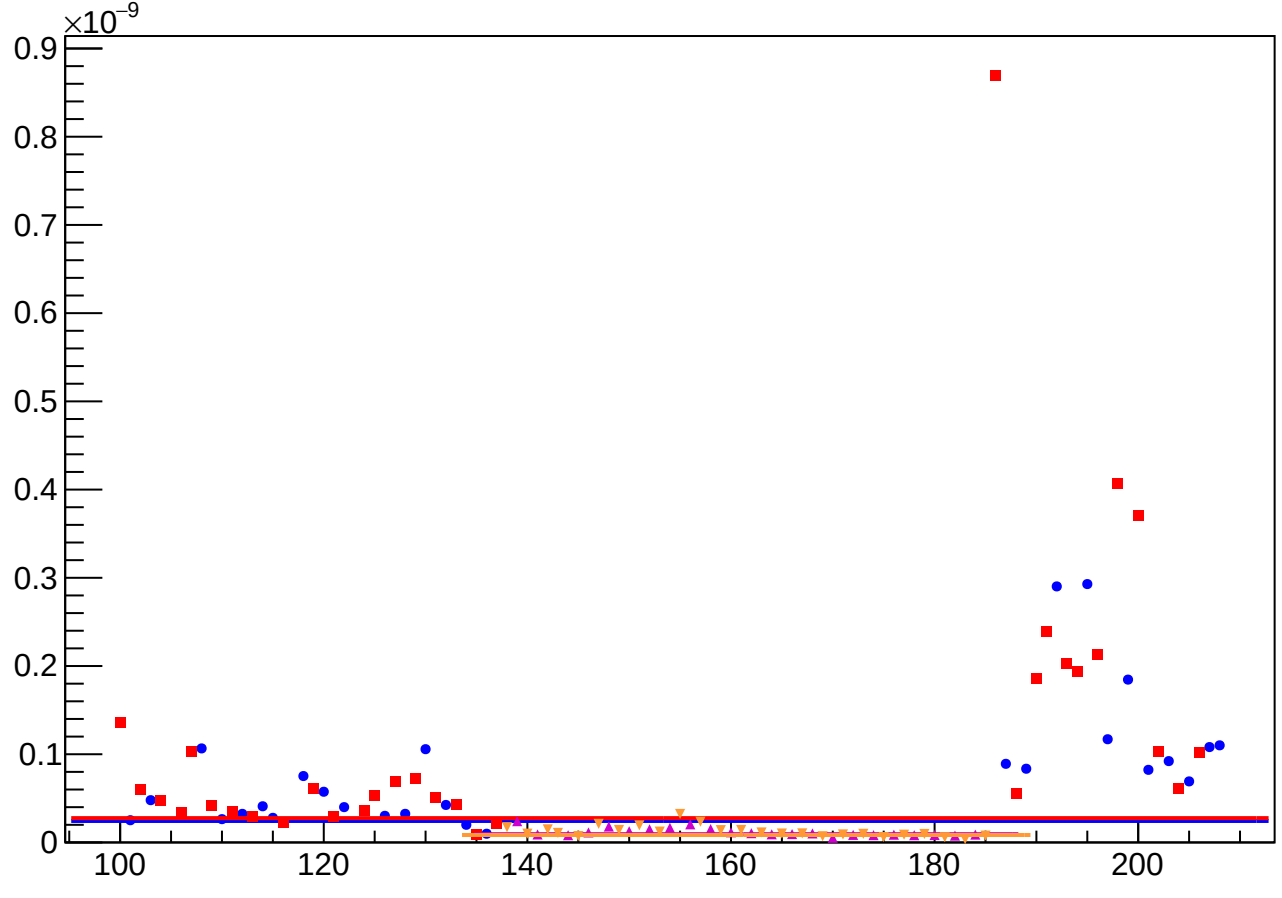
Right: 0.000+/-0.000 χ^2/NDF: 68.6/57

In: -0.000+/-0.000 χ^2/NDF:44.3/49

Out: 0.000+/-0.000 χ^2/NDF:56.8/55

All: 0.000+/-0.000 χ^2/NDF: 101.6/105

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9150831.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9807482.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

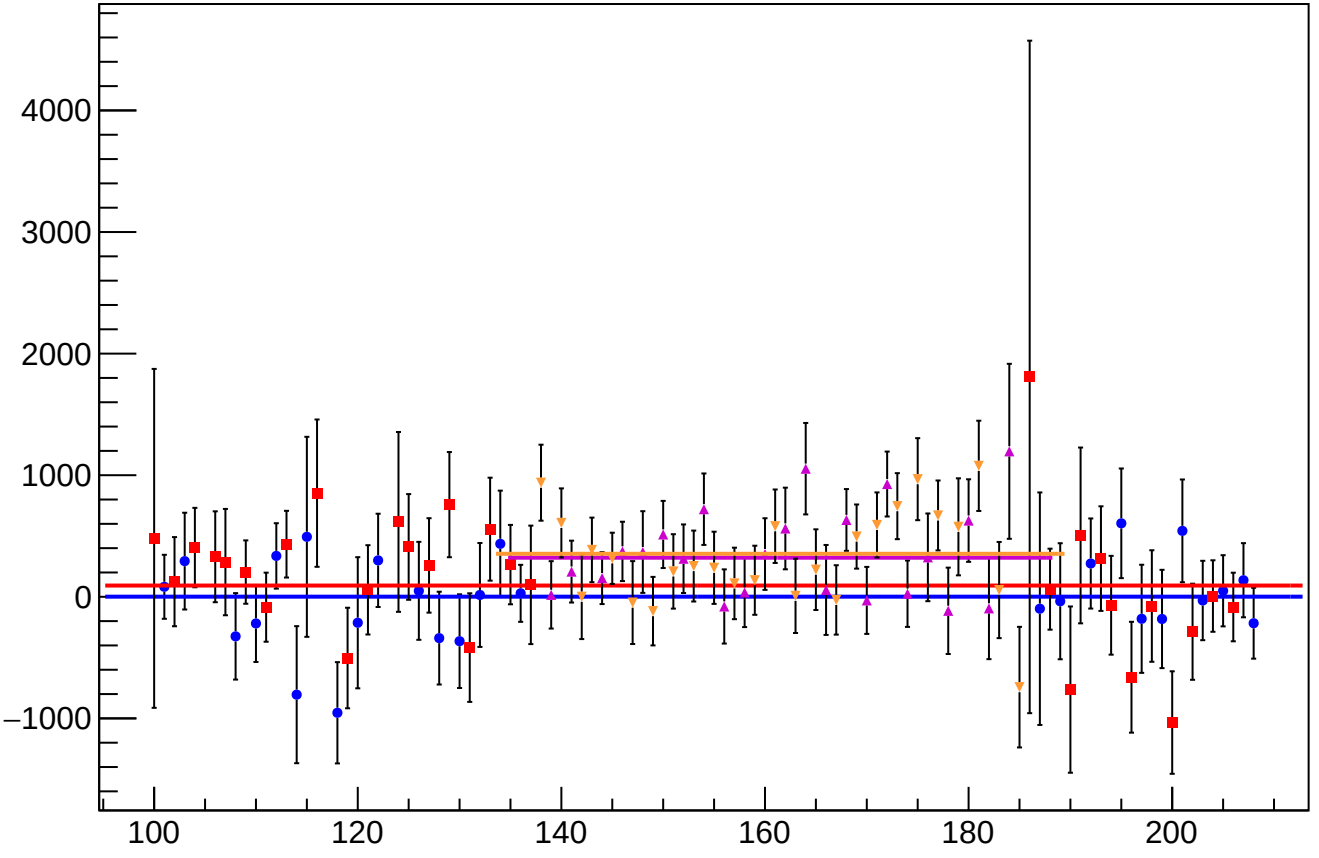
Right: 0.000+/-0.000 χ^2/NDF: 19025607.6/57

In: 0.000+/-0.000 χ^2/NDF:14322965.7/49

Out: 0.000+/-0.000 χ^2/NDF:18271033.0/55

All: 0.000+/-0.000 χ^2/NDF: 32723352.2/105

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 1.044+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 92.539+/-70.746 χ^2/NDF: 27.9/30

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

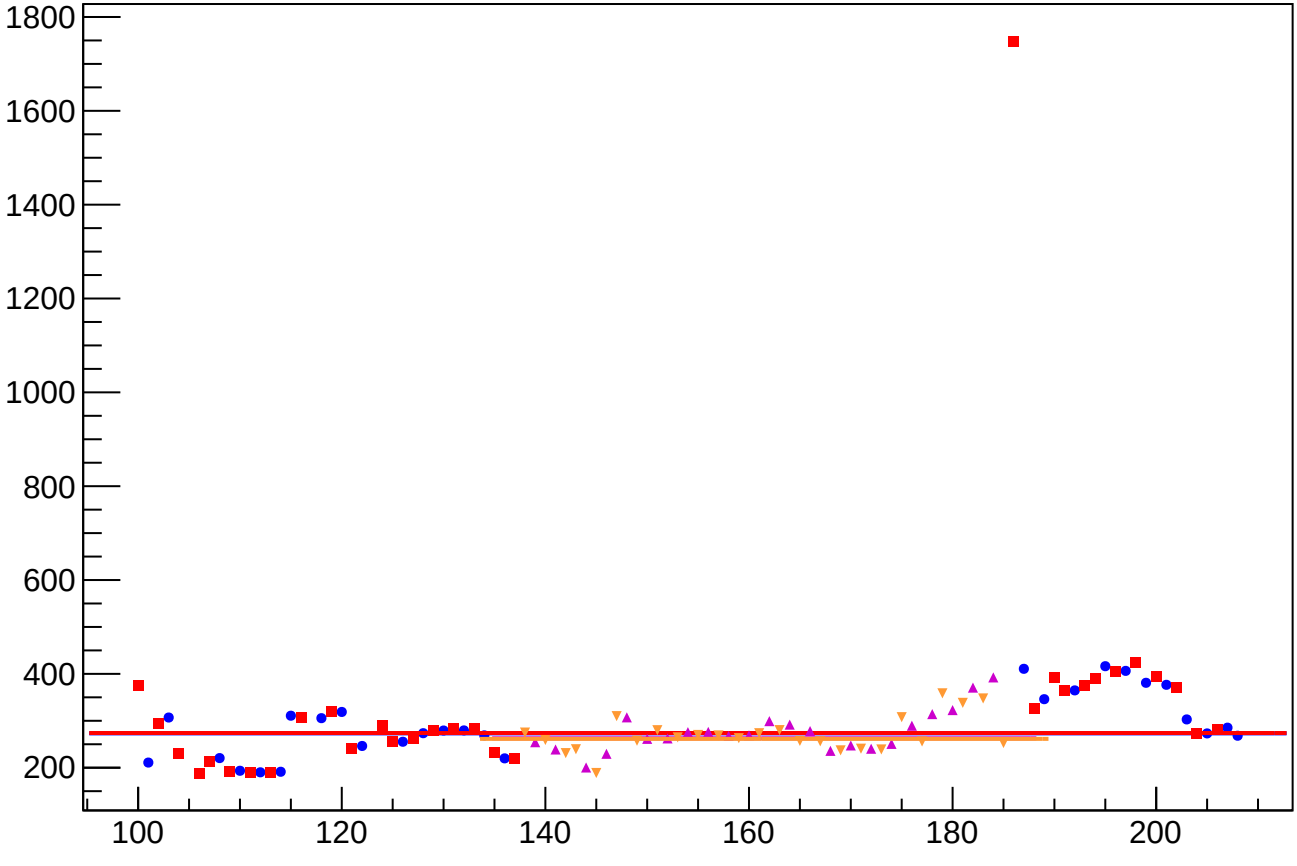
Right: 46.790+/-50.024 χ^2/NDF: 48.5/57

In: 182.006+/-46.675 χ^2/NDF:57.6/49

Out: 244.076+/-45.825 χ^2/NDF:68.1/55

All: 213.612+/-32.700 χ^2/NDF: 126.6/105

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.165+/-0.050 χ^2/NDF: 1552132.1/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.955+/-0.050 χ^2/NDF: 2521940.8/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

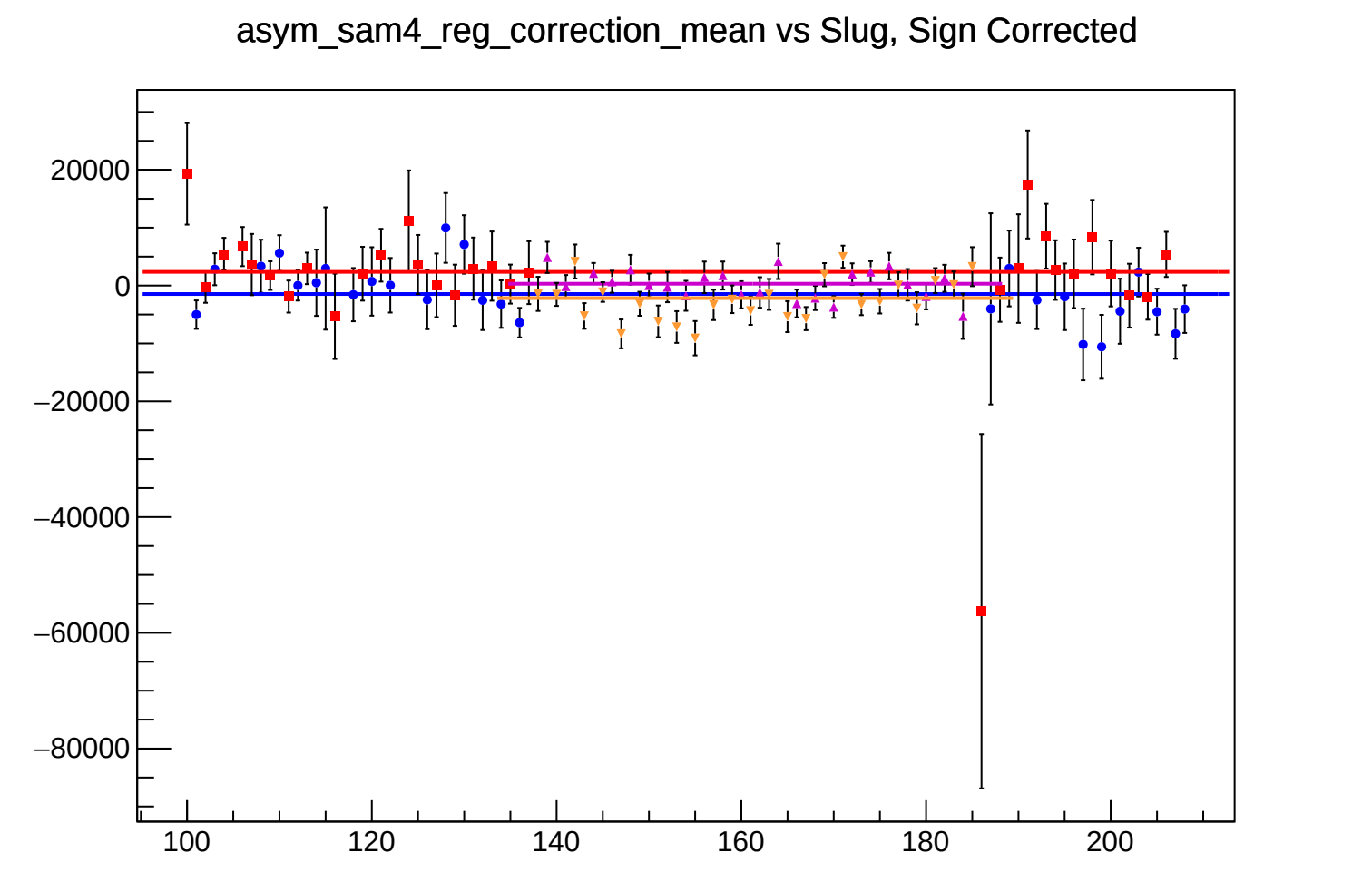
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.560+/-0.035 χ^2/NDF: 4074197.3/57

In: 267.208+/-0.033 χ^2/NDF:2247892.0/49

Out: 266.708+/-0.032 χ^2/NDF:3273562.1/55

All: 266.954+/-0.023 χ^2/NDF: 5521571.1/105



Right In: -1461.995+/-807.200 χ^2/NDF: 32.1/26

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2364.015+/-784.865 χ^2/NDF: 24.9/30

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

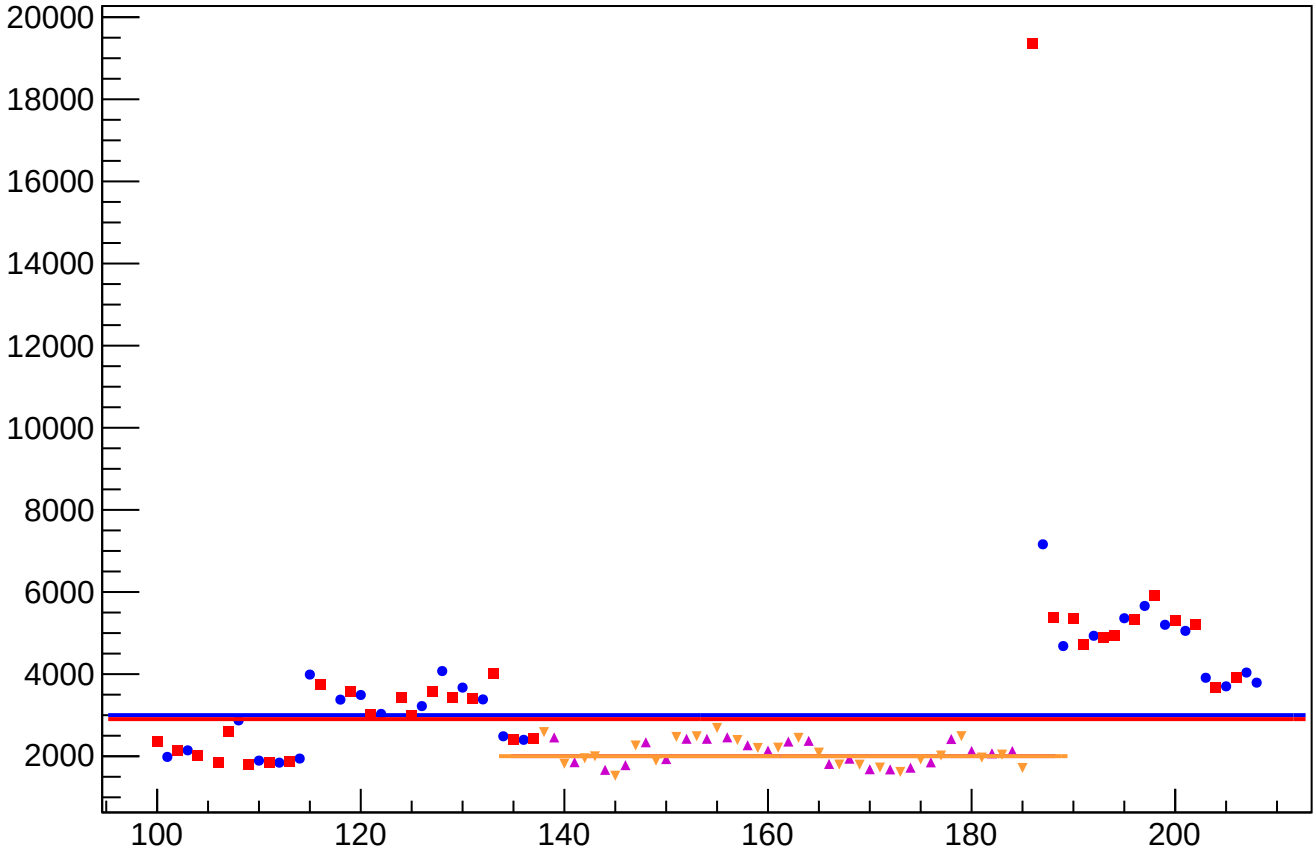
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 504.673+/-562.714 χ^2/NDF: 68.6/57

In: -141.695+/-408.794 χ^2/NDF:59.3/49

Out: -1005.948+/-397.919 χ^2/NDF:105.3/55

All: -585.470+/-285.138 χ^2/NDF: 166.9/105



Right In: 3001.264+/-0.571 χ^2/NDF: 3753810.5/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2904.354+/-0.555 χ^2/NDF: 5275297.5/30

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

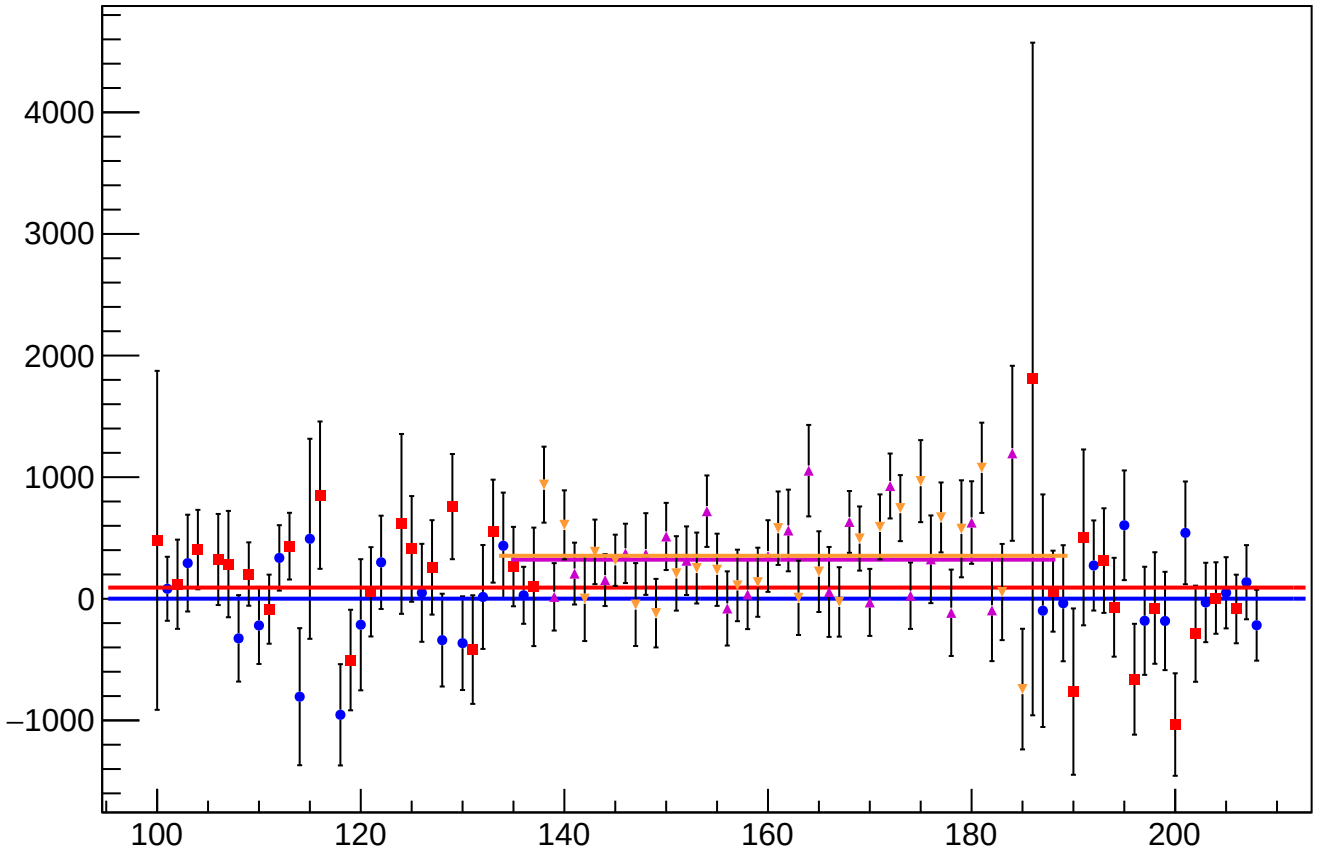
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

Right: 2951.450+/-0.398 χ^2/NDF: 9043926.2/57

In: 2259.956+/-0.289 χ^2/NDF:6727397.6/49

Out: 2234.110+/-0.281 χ^2/NDF:8131087.7/55

All: 2246.685+/-0.202 χ^2/NDF: 14862590.4/



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 92.102+/-70.753 χ^2/NDF: 27.8/30

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

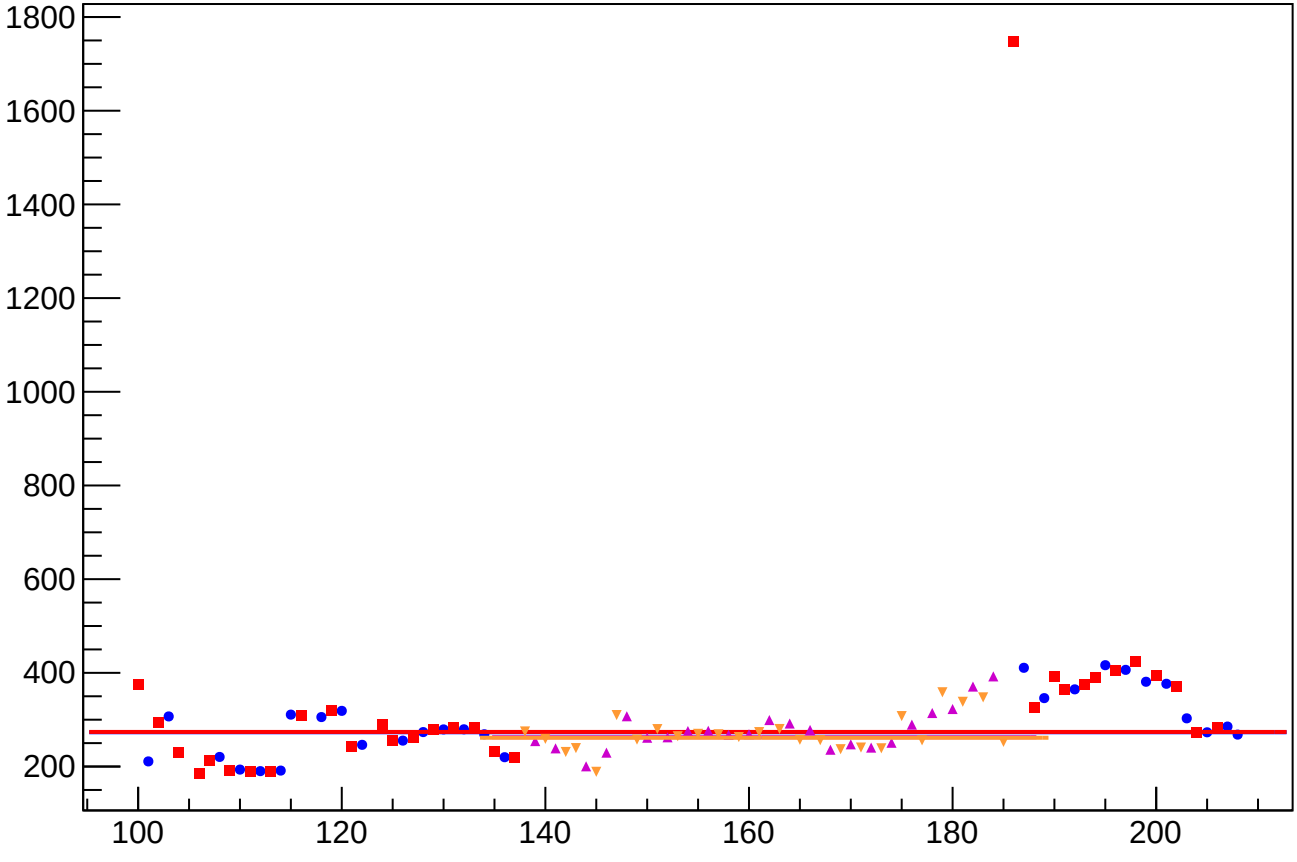
Right: 46.559+/-50.026 χ^2/NDF: 48.5/57

In: 182.002+/-46.675 χ^2/NDF:57.6/49

Out: 243.919+/-45.827 χ^2/NDF:68.1/55

All: 213.529+/-32.700 χ^2/NDF: 126.6/105

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

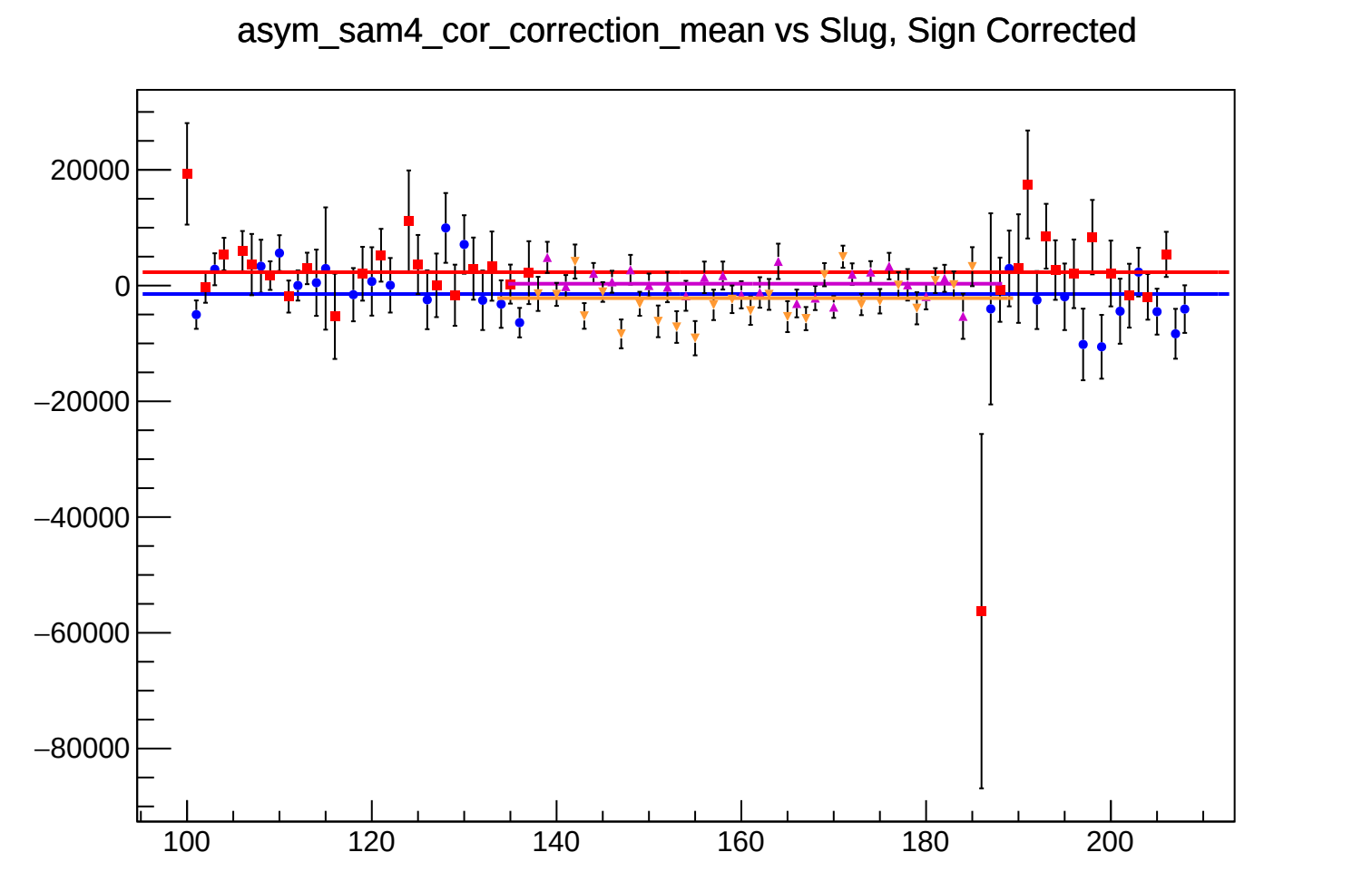
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.524+/-0.035 χ^2/NDF: 4080041.2/57

In: 267.208+/-0.033 χ^2/NDF:2247893.6/49

Out: 266.678+/-0.032 χ^2/NDF:3279012.4/55

All: 266.938+/-0.023 χ^2/NDF: 5527037.6/105



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2312.724+/-786.008 χ^2/NDF: 24.3/30

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

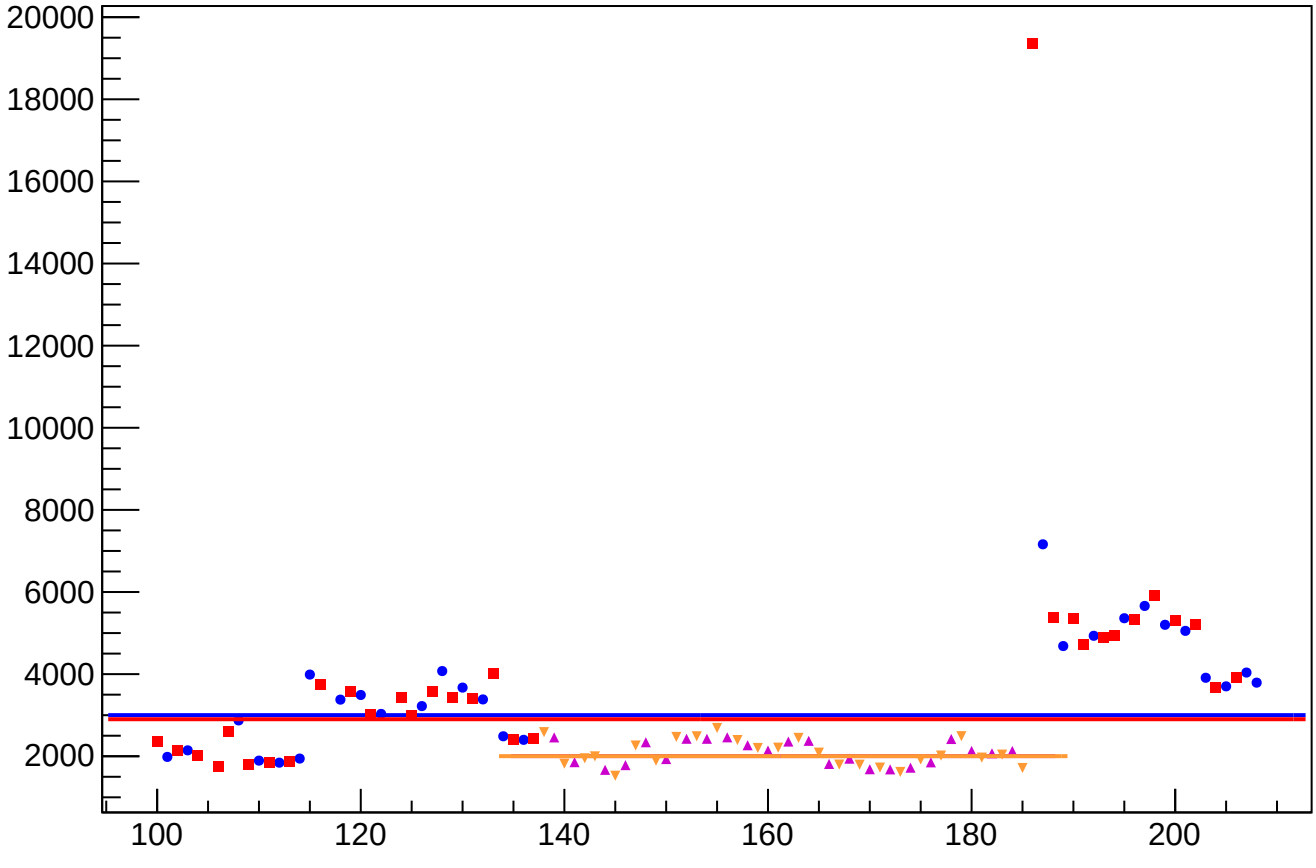
Right: 475.511+/-563.136 χ^2/NDF: 67.6/57

In: -141.720+/-408.795 χ^2/NDF:59.3/49

Out: -1021.602+/-398.068 χ^2/NDF:104.0/55

All: -593.356+/-285.193 χ^2/NDF: 165.7/105

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 3001.289+/-0.571 χ^2/NDF: 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

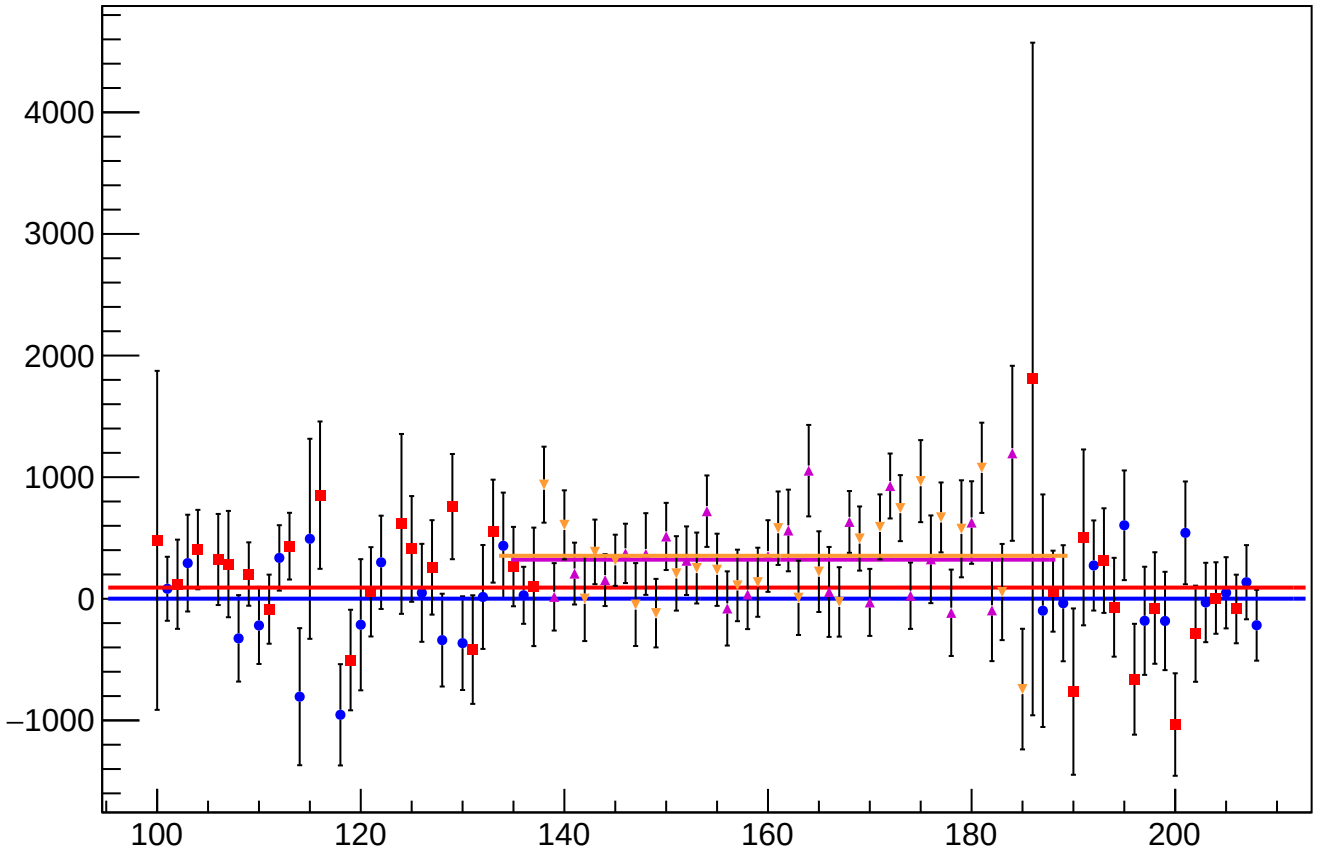
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2950.194+/-0.398 χ^2/NDF: 9074934.0/57

In: 2259.960+/-0.289 χ^2/NDF:6727385.7/49

Out: 2232.941+/-0.281 χ^2/NDF:8145858.5/55

All: 2246.091+/-0.202 χ^2/NDF: 14877729.0/



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 92.102+/-70.753 χ^2/NDF: 27.8/30

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

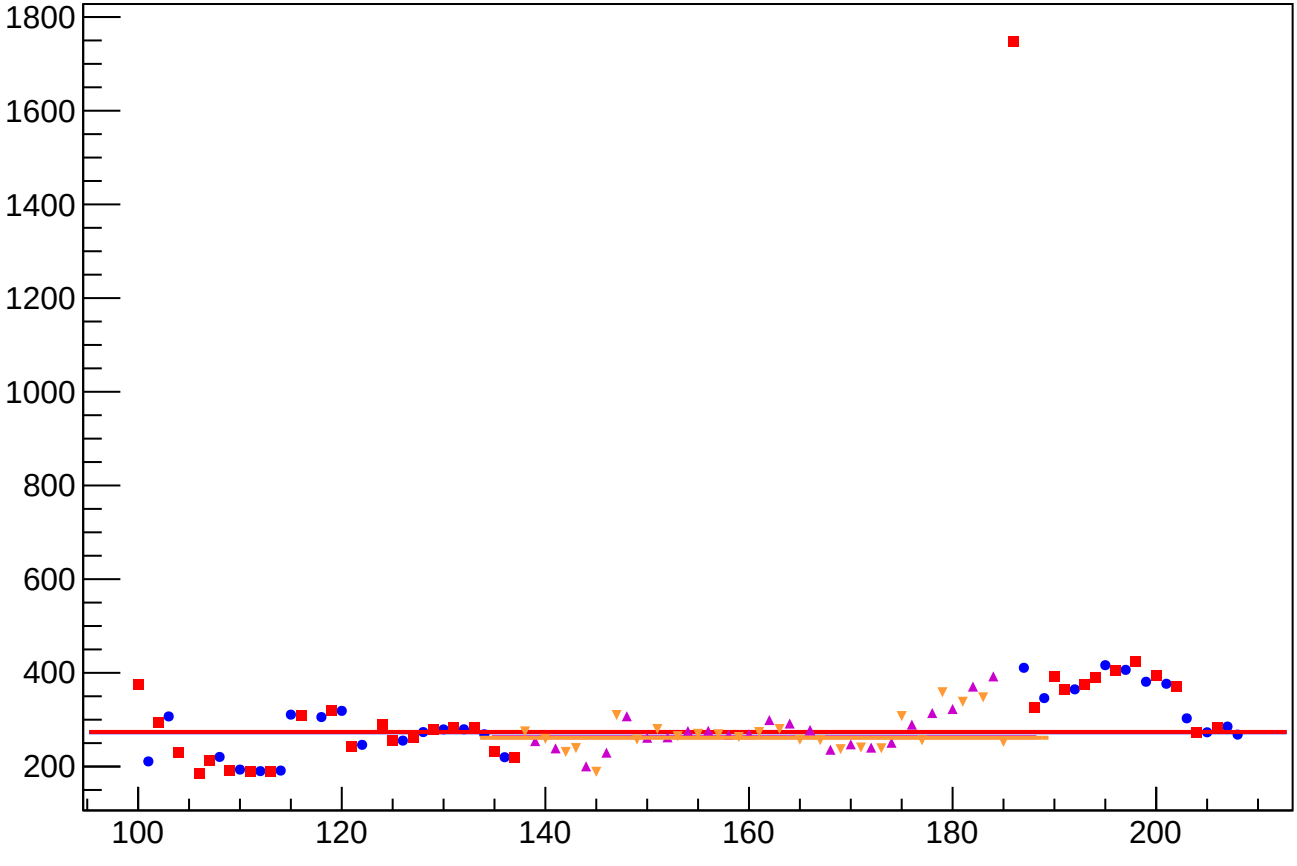
Right: 46.559+/-50.026 χ^2/NDF: 48.5/57

In: 182.002+/-46.675 χ^2/NDF:57.6/49

Out: 243.919+/-45.827 χ^2/NDF:68.1/55

All: 213.529+/-32.700 χ^2/NDF: 126.6/105

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

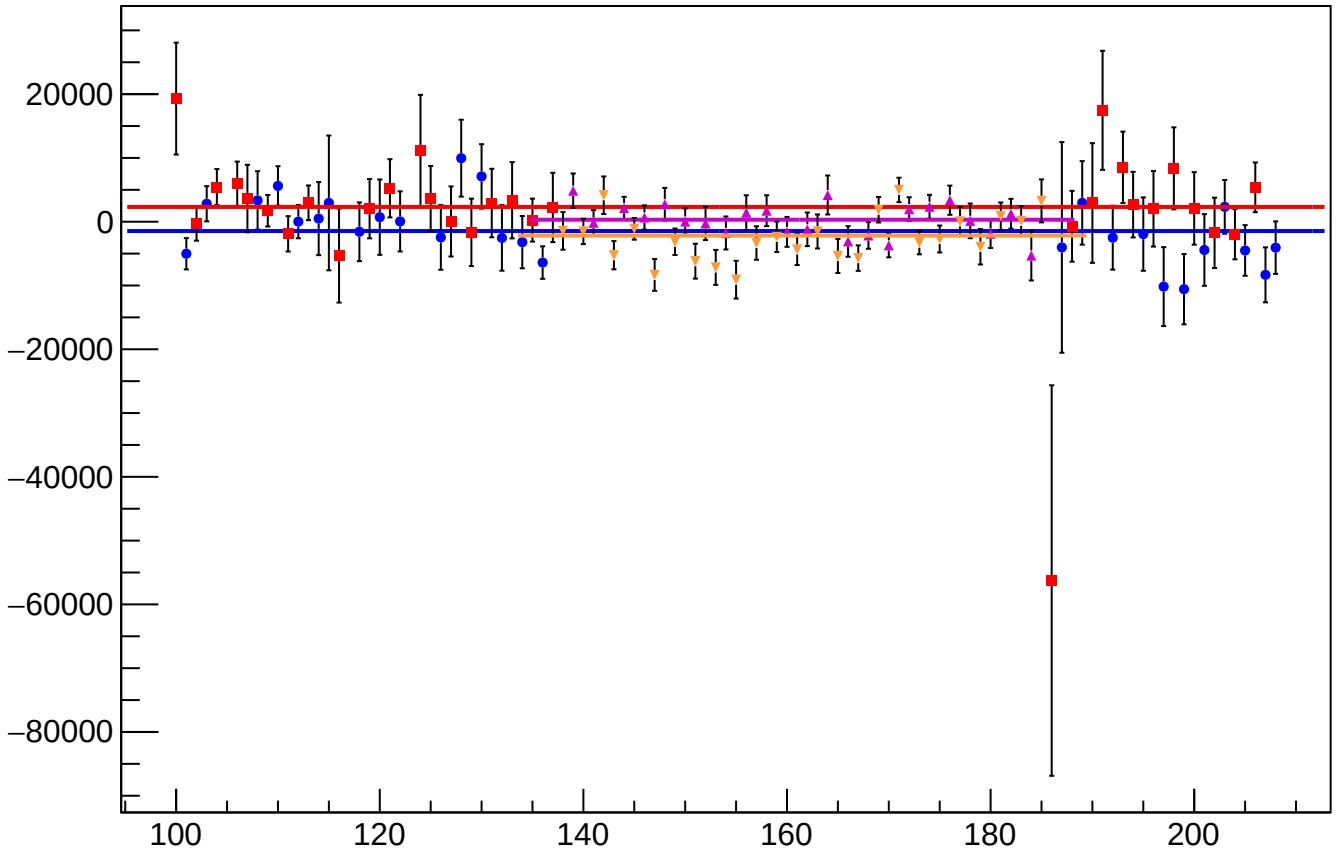
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.524+/-0.035 χ^2/NDF: 4080041.2/57

In: 267.208+/-0.033 χ^2/NDF:2247893.6/49

Out: 266.678+/-0.032 χ^2/NDF:3279012.4/55

All: 266.938+/-0.023 χ^2/NDF: 5527037.6/105



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2312.724+/-786.008 χ^2/NDF: 24.3/30

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

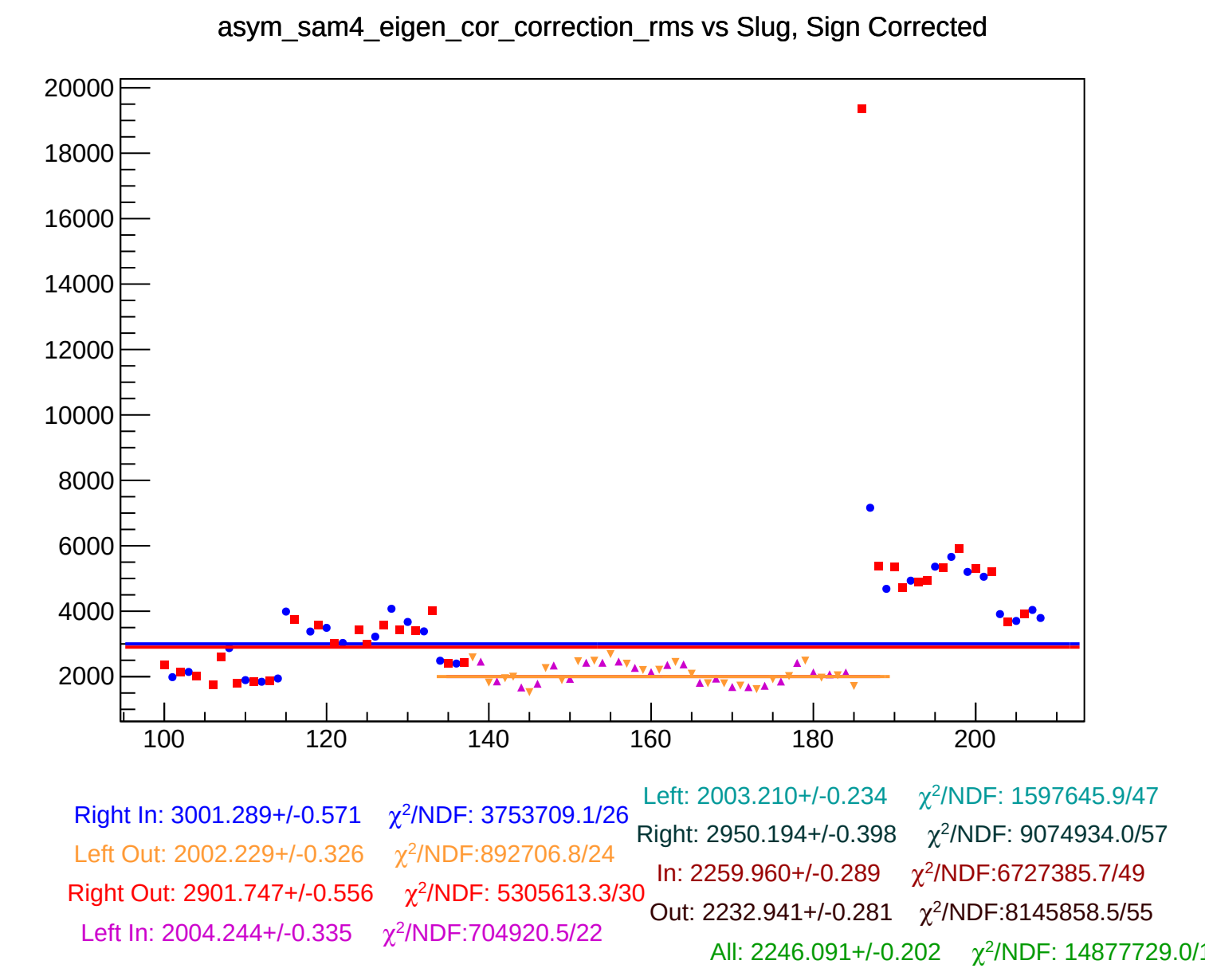
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

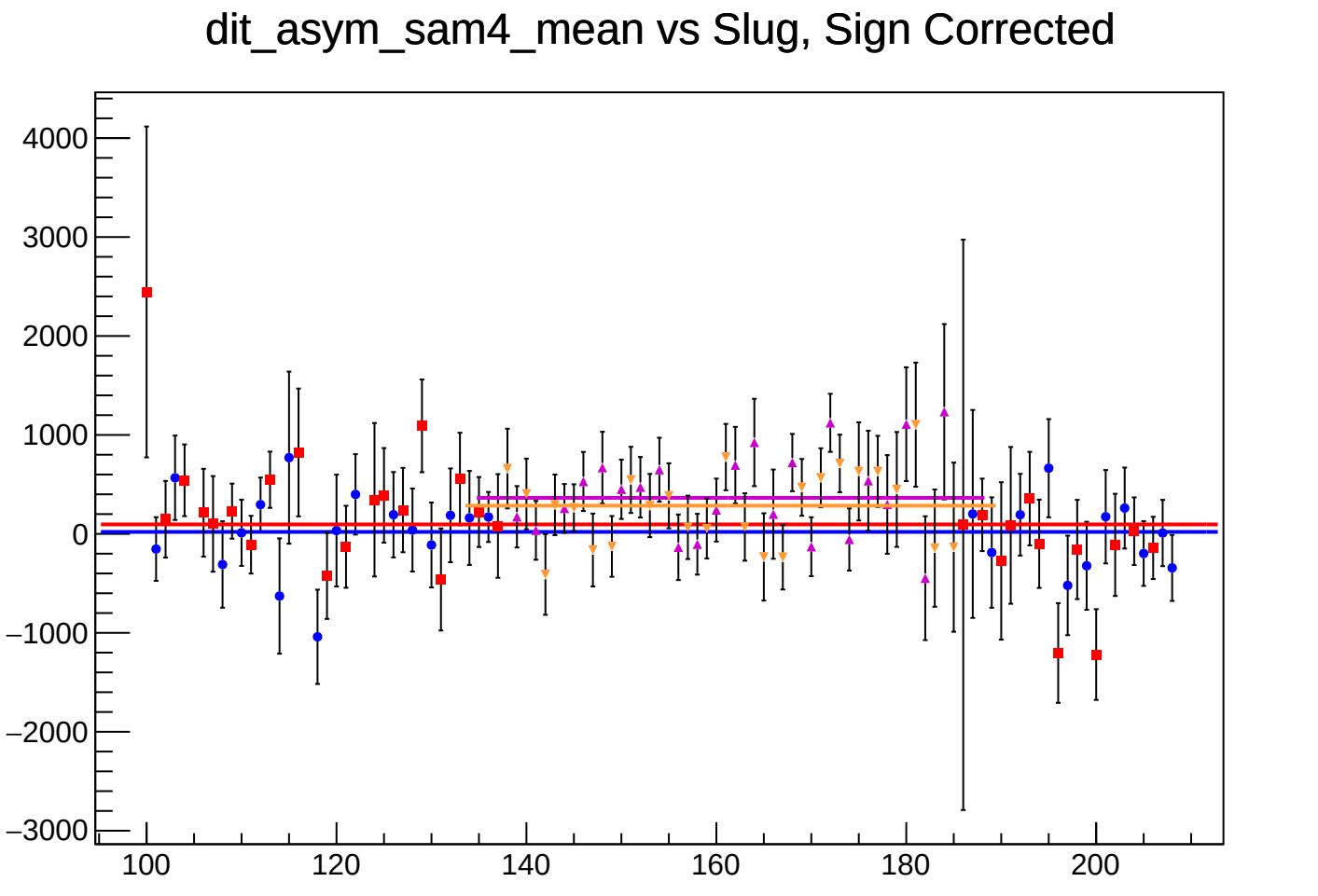
Right: 475.511+/-563.136 χ^2/NDF: 67.6/57

In: -141.720+/-408.795 χ^2/NDF:59.3/49

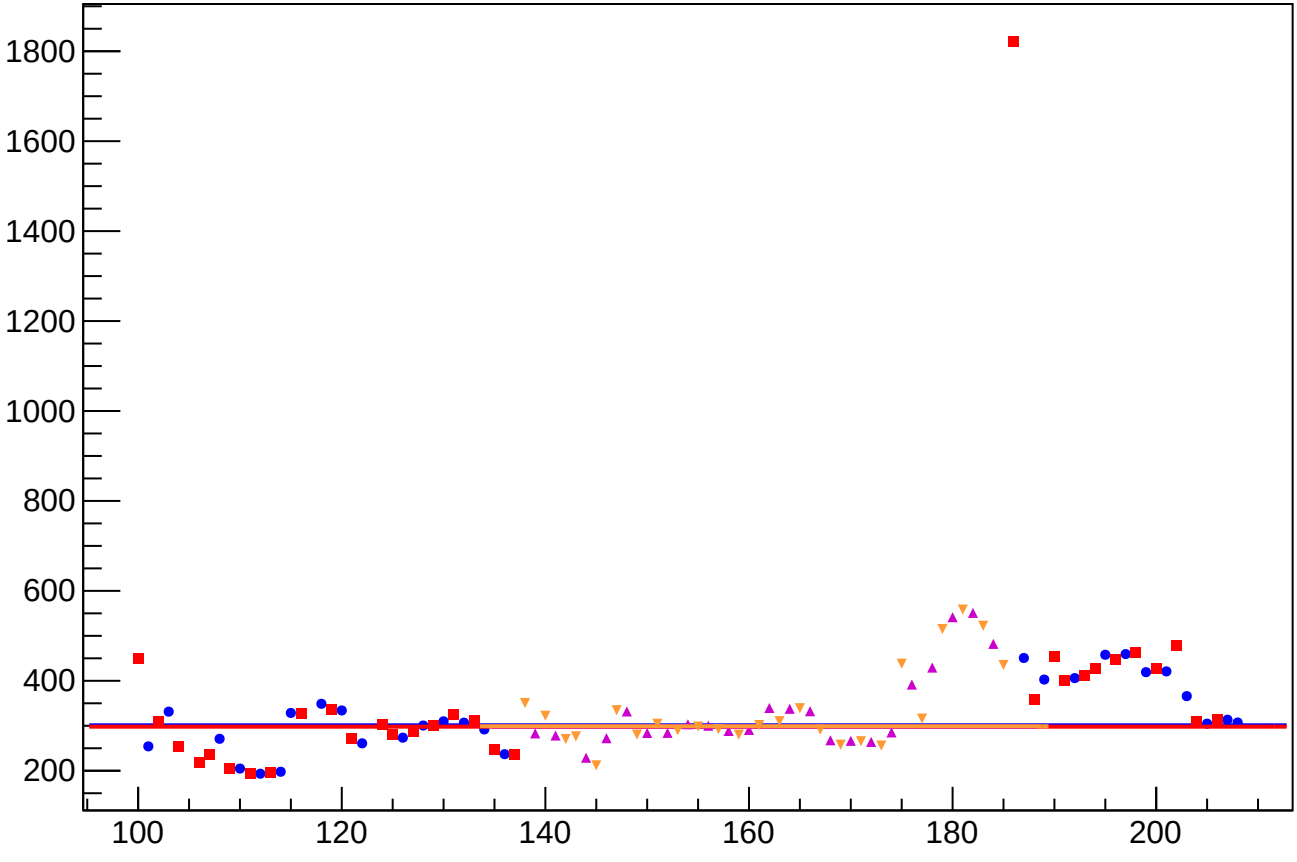
Out: -1021.602+/-398.068 χ^2/NDF:104.0/55

All: -593.356+/-285.193 χ^2/NDF: 165.7/105


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 3001.289+/-0.571 χ²/NDF: 3753709.1/26
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2901.747+/-0.556 χ²/NDF: 5305613.3/30
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2950.194+/-0.398 χ²/NDF: 9074934.0/57
In: 2259.960+/-0.289 χ²/NDF:6727385.7/49
Out: 2232.941+/-0.281 χ²/NDF:8145858.5/55
All: 2246.091+/-0.202 χ²/NDF: 14877729.0/


dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 20.074+/-78.485 χ²/NDF: 18.0/26
Left Out: 284.913+/-70.036 χ²/NDF:22.8/24
Right Out: 95.575+/-77.619 χ²/NDF: 33.9/30
Left In: 364.163+/-71.714 χ²/NDF:28.2/22
Left: 323.600+/-50.106 χ²/NDF: 51.7/47
Right: 58.243+/-55.189 χ²/NDF: 52.4/57
In: 207.600+/-52.942 χ²/NDF:56.7/49
Out: 199.941+/-51.998 χ²/NDF:60.0/55
All: 203.702+/-37.097 χ²/NDF: 116.7/105

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 301.093+/-0.055 χ^2/NDF: 1745925.1/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806693.2/30

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

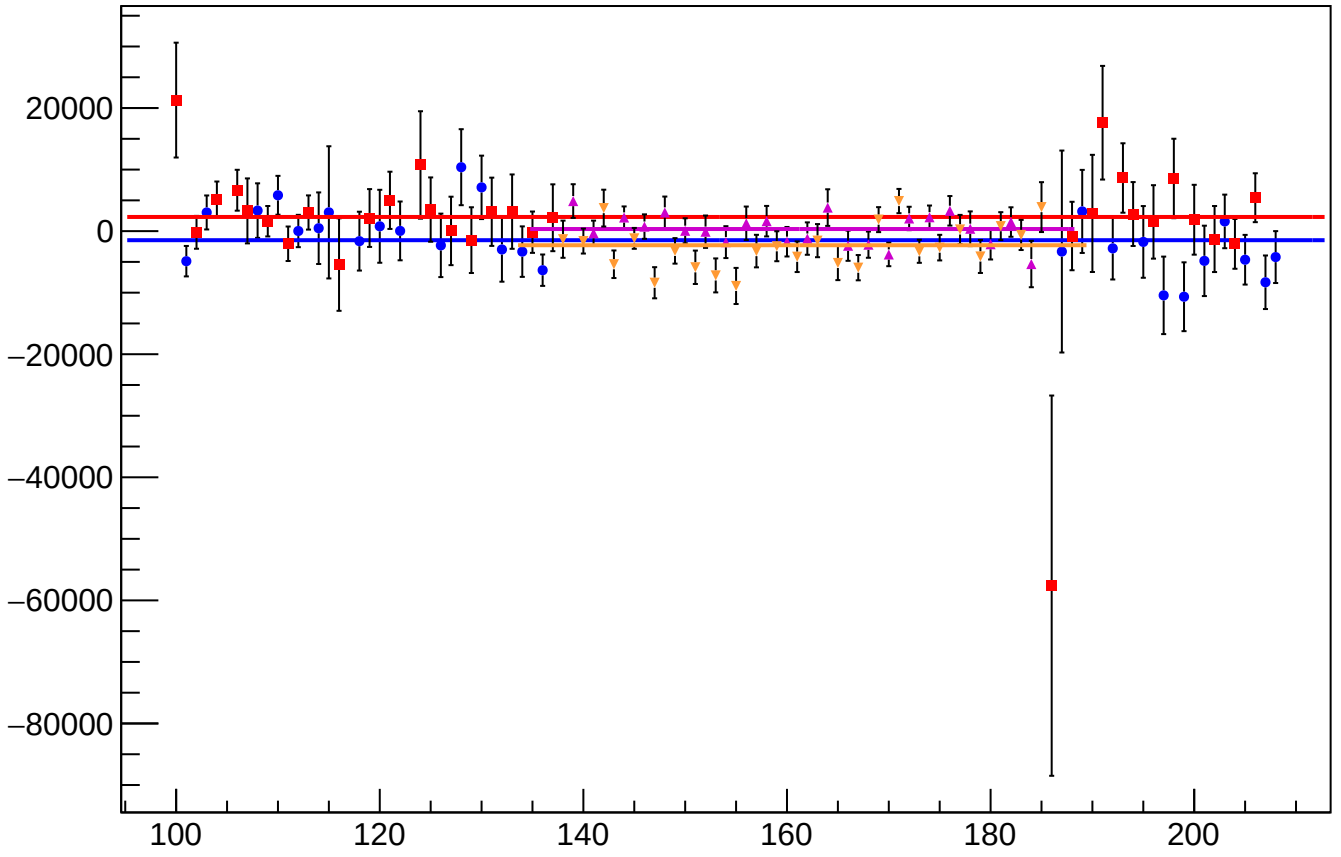
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 299.541+/-0.039 χ^2/NDF: 4554166.3/57

In: 299.345+/-0.037 χ^2/NDF:3066808.2/49

Out: 298.527+/-0.037 χ^2/NDF:4419923.9/55

All: 298.929+/-0.026 χ^2/NDF: 7486975.0/105



Right In: -1473.198+/-816.145 χ^2/NDF: 32.0/26

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2301.626+/-790.926 χ^2/NDF: 25.3/30

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

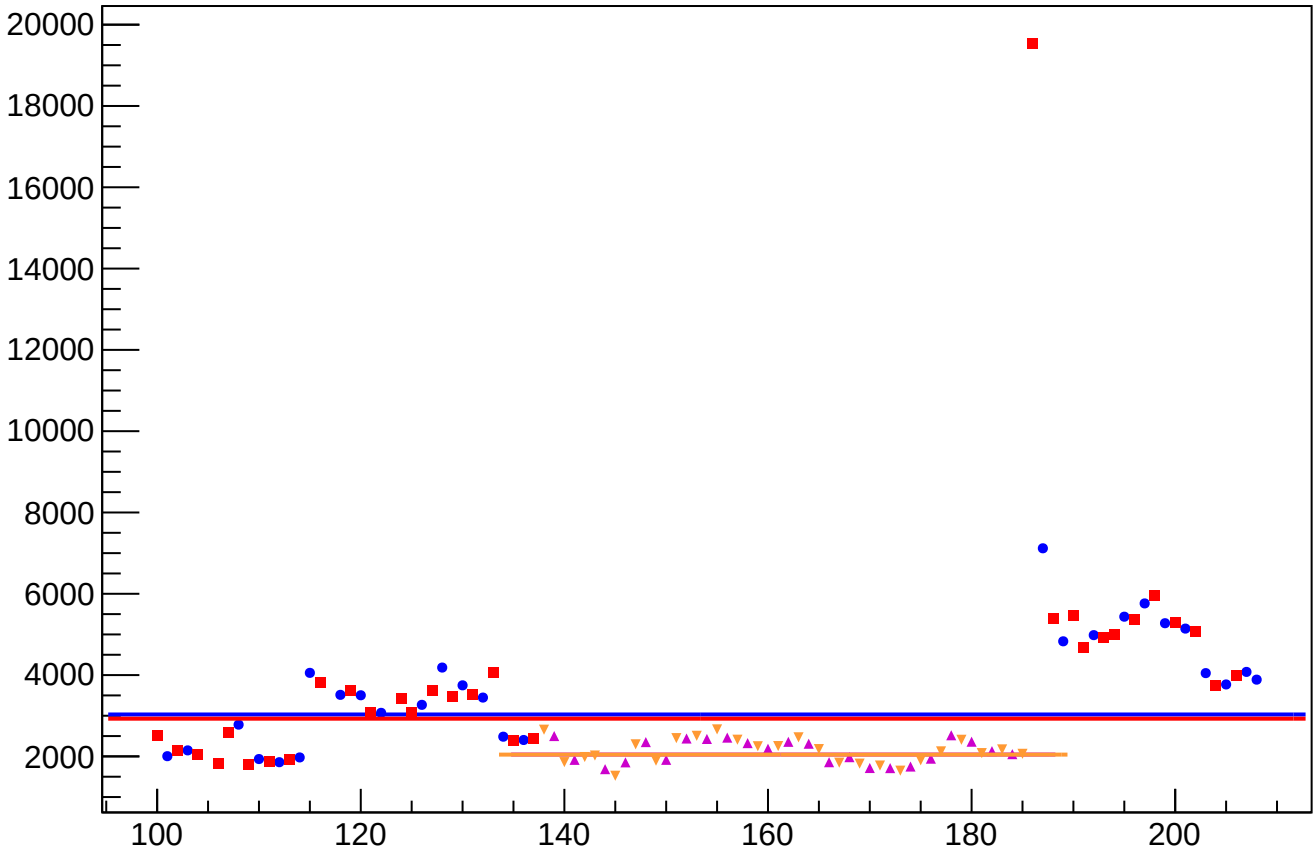
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

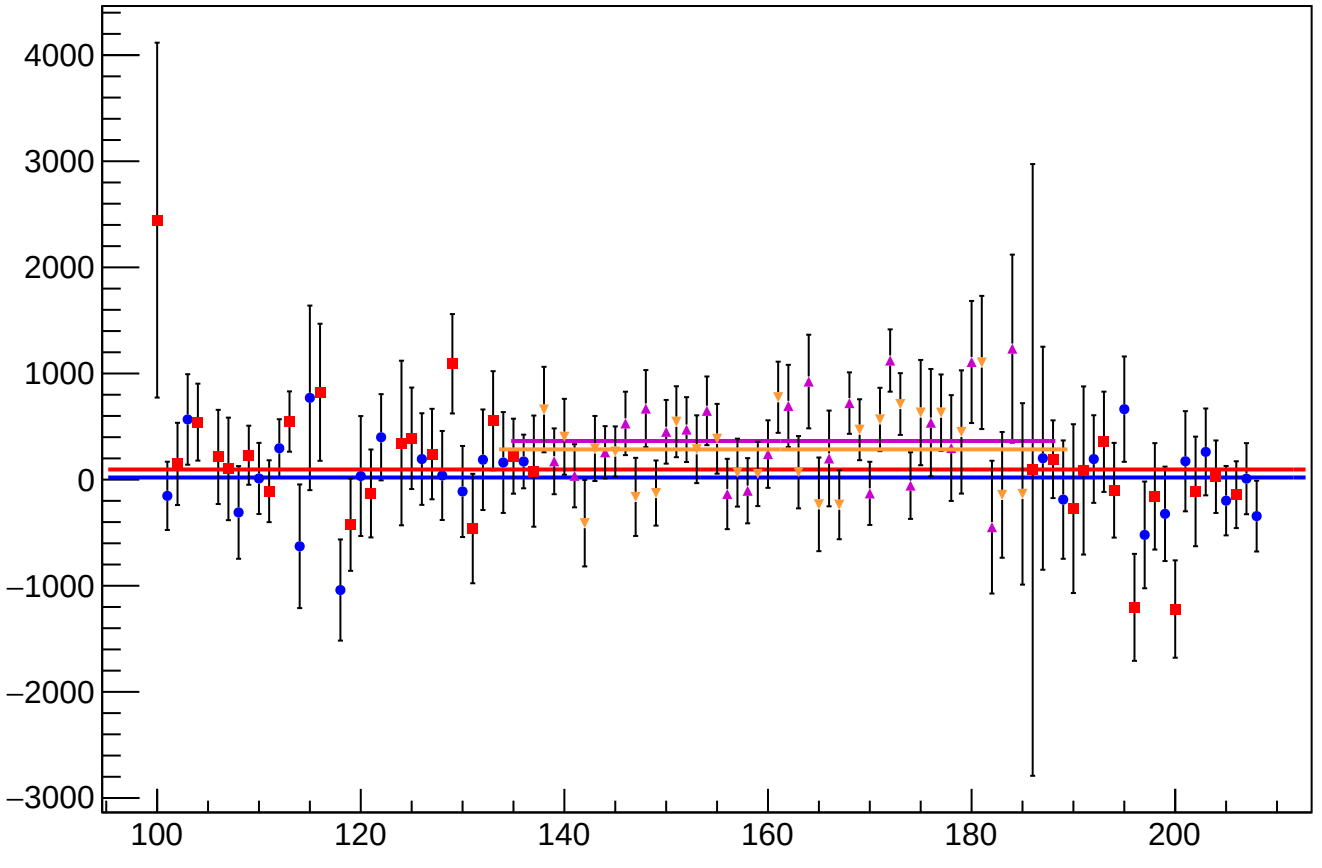
Right: 473.435+/-567.976 χ^2/NDF: 68.4/57

In: -129.264+/-416.049 χ^2/NDF:58.5/49

Out: -1090.515+/-404.373 χ^2/NDF:101.9/55

All: -623.567+/-289.975 χ^2/NDF: 163.1/105


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 3030.853+/-0.577 χ²/NDF: 3846618.3/26
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2927.608+/-0.559 χ²/NDF: 5273423.5/30
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2977.611+/-0.402 χ²/NDF: 9136546.9/57
In: 2301.325+/-0.294 χ²/NDF:6695931.1/49
Out: 2274.781+/-0.286 χ²/NDF:7971581.6/55
All: 2287.675+/-0.205 χ²/NDF: 14671699.1/1



Right In: 20.078+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 95.575+/-77.619 χ^2/NDF: 33.9/30

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

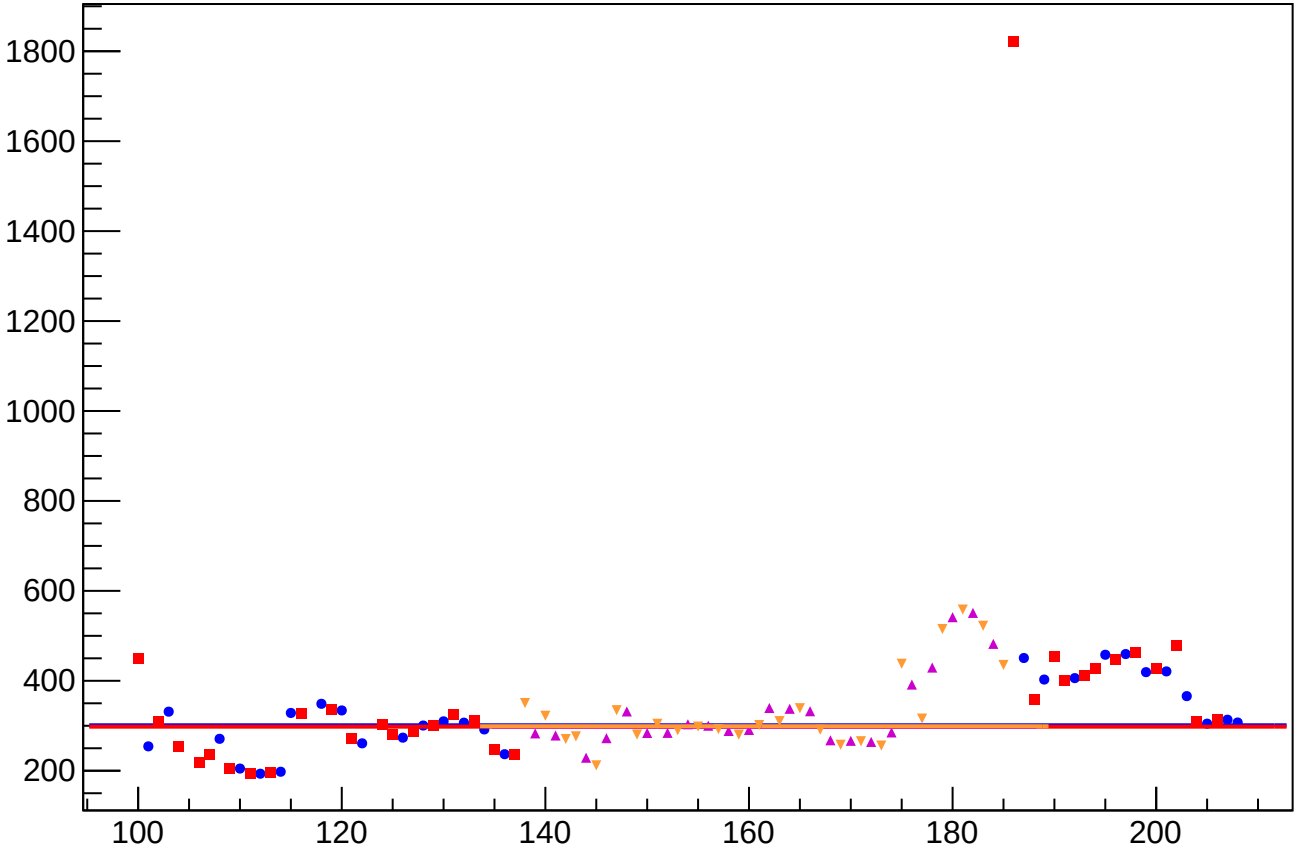
Right: 58.246+/-55.188 χ^2/NDF: 52.4/57

In: 207.602+/-52.942 χ^2/NDF:56.7/49

Out: 199.944+/-51.998 χ^2/NDF:60.0/55

All: 203.704+/-37.097 χ^2/NDF: 116.7/105

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 301.093+/-0.055 χ^2/NDF: 1745912.6/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806699.5/30

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

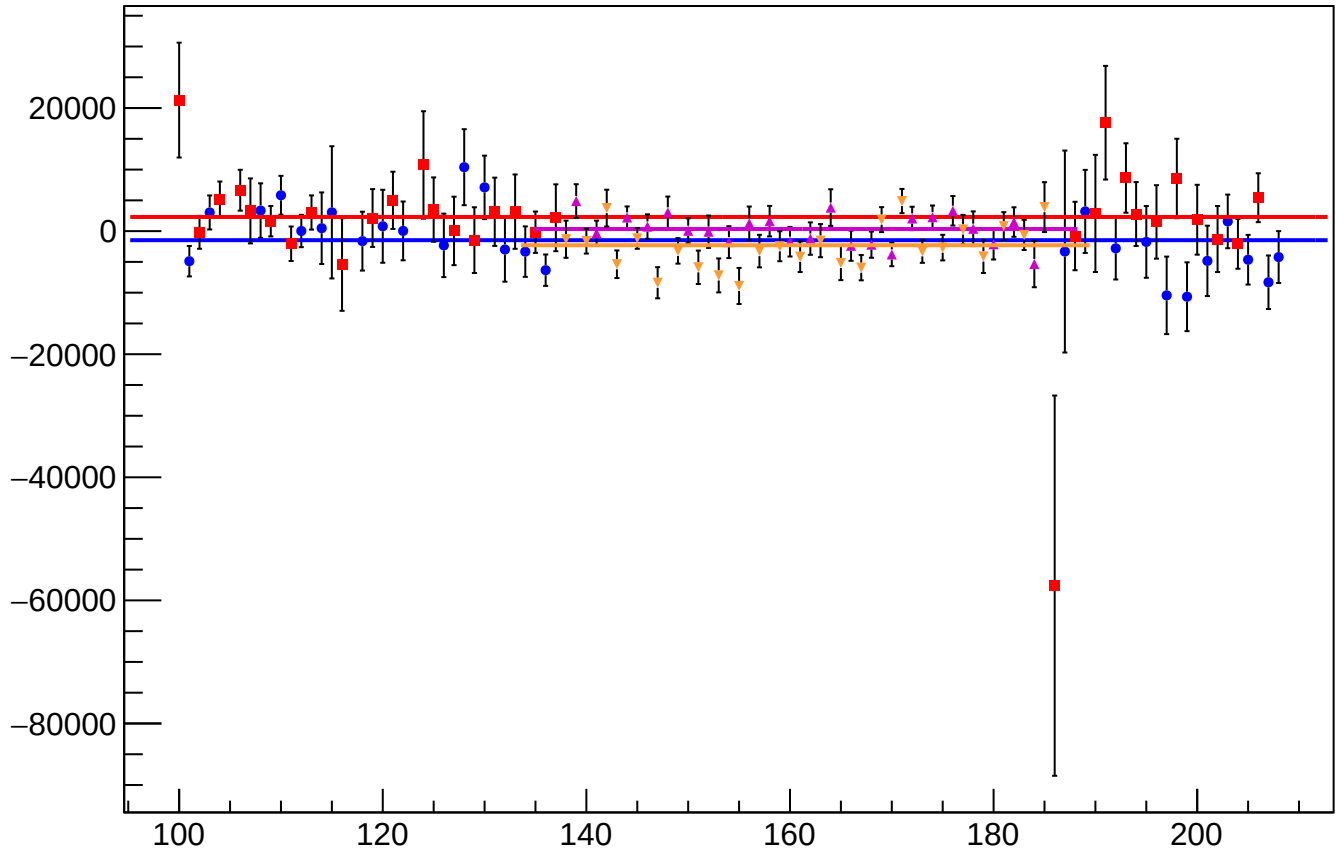
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 299.541+/-0.039 χ^2/NDF: 4554160.0/57

In: 299.345+/-0.037 χ^2/NDF:3066777.0/49

Out: 298.527+/-0.037 χ^2/NDF:4419927.5/55

All: 298.929+/-0.026 χ^2/NDF: 7486947.4/105



Right In: -1473.195+/-816.144 χ^2/NDF: 32.0/26

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2301.624+/-790.926 χ^2/NDF: 25.3/30

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

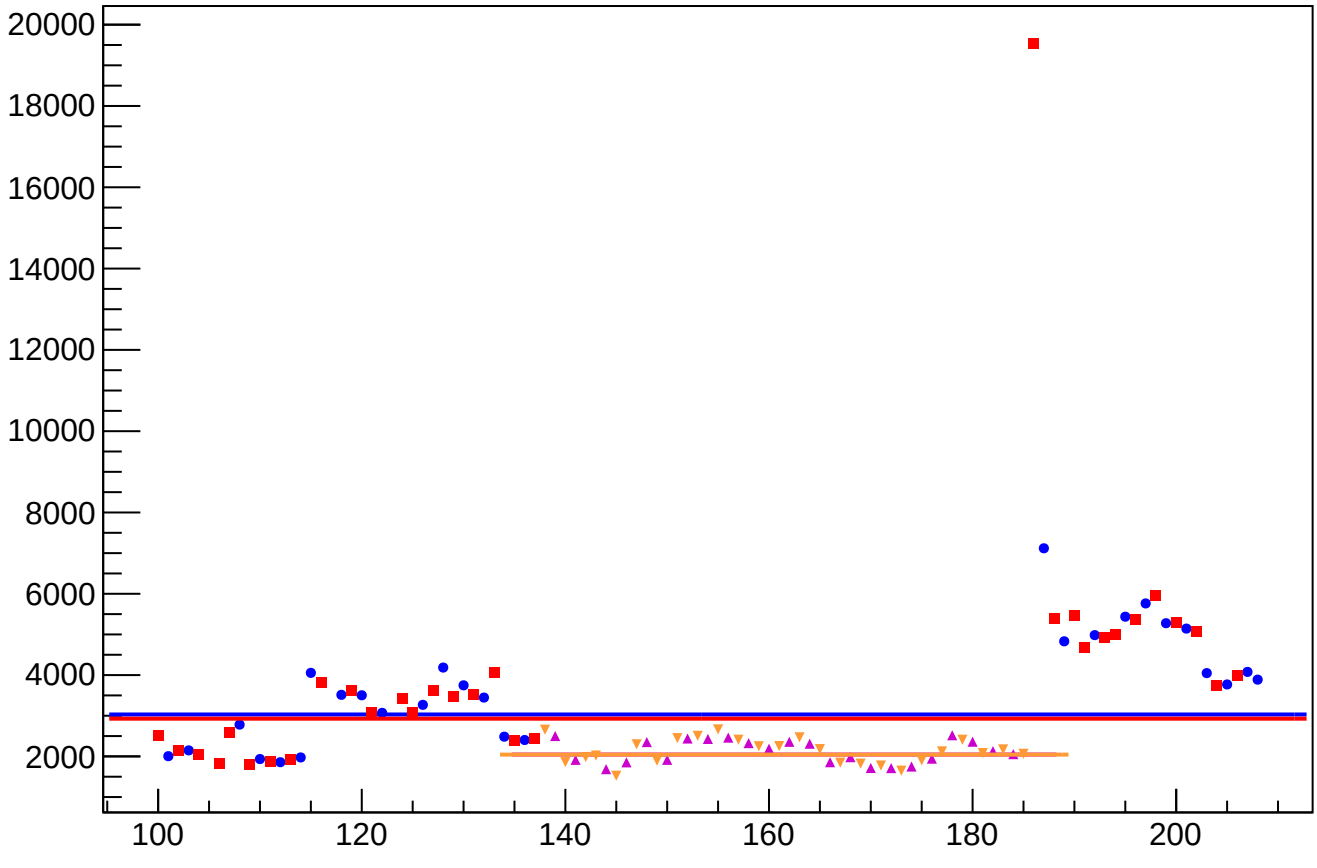
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 473.435+/-567.975 χ^2/NDF: 68.4/57

In: -129.265+/-416.049 χ^2/NDF:58.5/49

Out: -1090.513+/-404.373 χ^2/NDF:101.9/55

All: -623.566+/-289.975 χ^2/NDF: 163.1/105



Right In: 3030.851+/-0.577 χ^2/NDF: 3846617.0/26

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2927.606+/-0.559 χ^2/NDF: 5273419.2/30

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

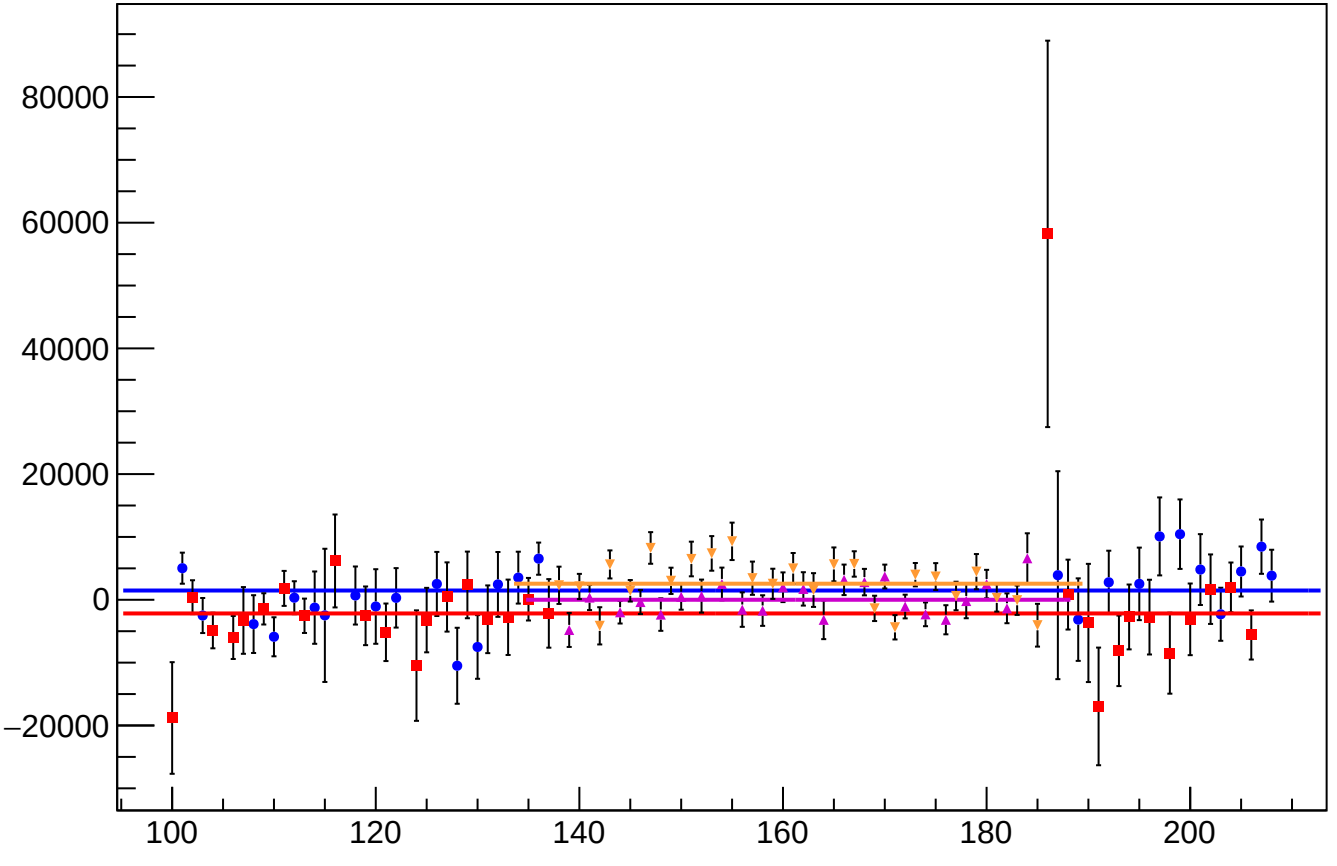
Right: 2977.609+/-0.402 χ^2/NDF: 9136541.4/57

In: 2301.322+/-0.294 χ^2/NDF:6695935.5/49

Out: 2274.778+/-0.286 χ^2/NDF:7971587.1/55

All: 2287.672+/-0.205 χ^2/NDF: 14671709.1/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1474.687+/-811.096 χ^2/NDF: 33.1/26

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2174.384+/-789.111 χ^2/NDF: 24.1/30

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

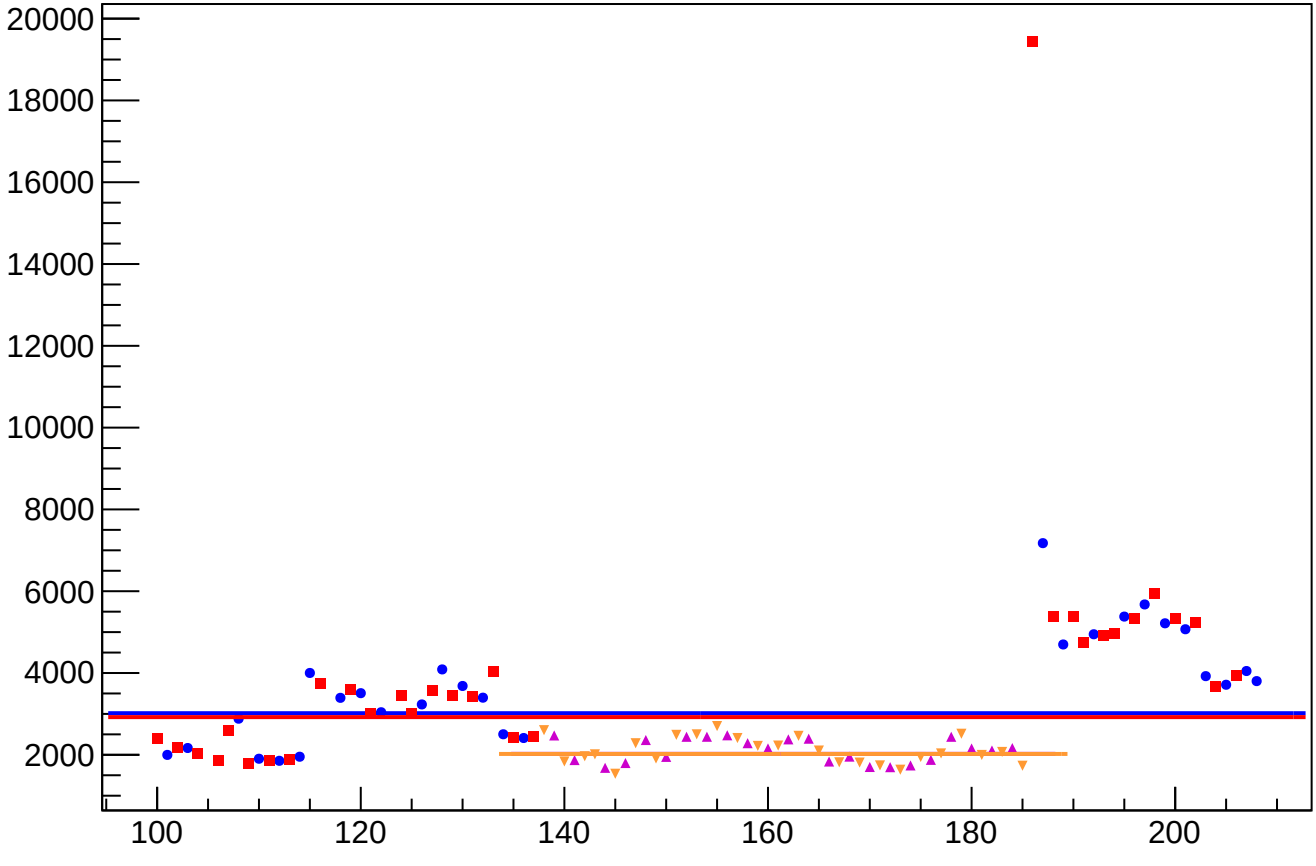
Right: -399.974+/-565.598 χ^2/NDF: 67.5/57

In: 383.325+/-412.137 χ^2/NDF:60.2/49

Out: 1335.367+/-401.221 χ^2/NDF:103.4/55

All: 872.120+/-287.488 χ^2/NDF: 166.3/105

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3017.438+/-0.574 χ^2/NDF: 3723823.1/26

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2921.572+/-0.558 χ^2/NDF: 5239260.6/30

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

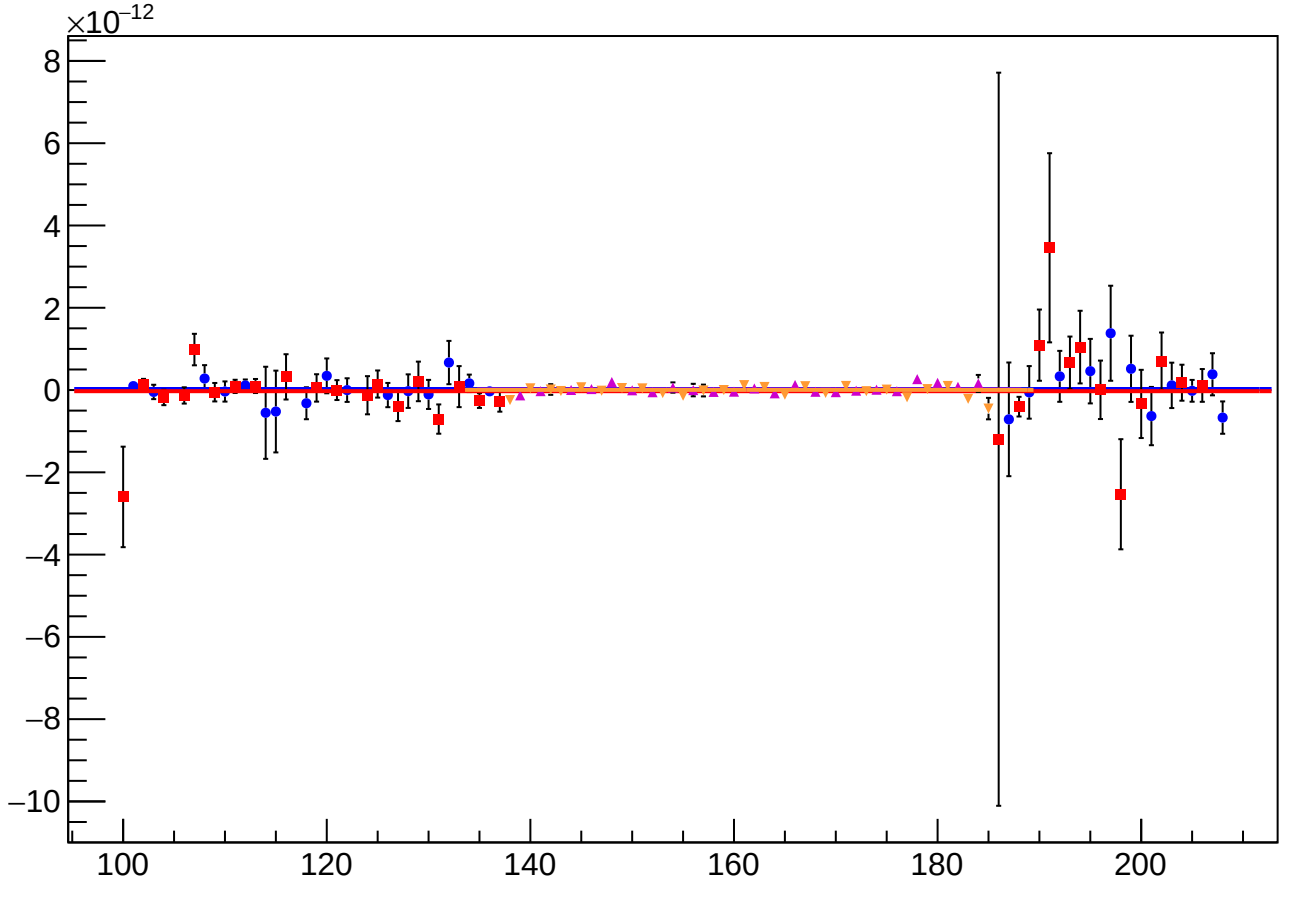
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2968.188+/-0.400 χ^2/NDF: 8977437.0/57

In: 2279.963+/-0.291 χ^2/NDF:6648755.7/49

Out: 2254.012+/-0.284 χ^2/NDF:8050976.0/55

All: 2266.639+/-0.203 χ^2/NDF: 14703803.0/



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/30

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

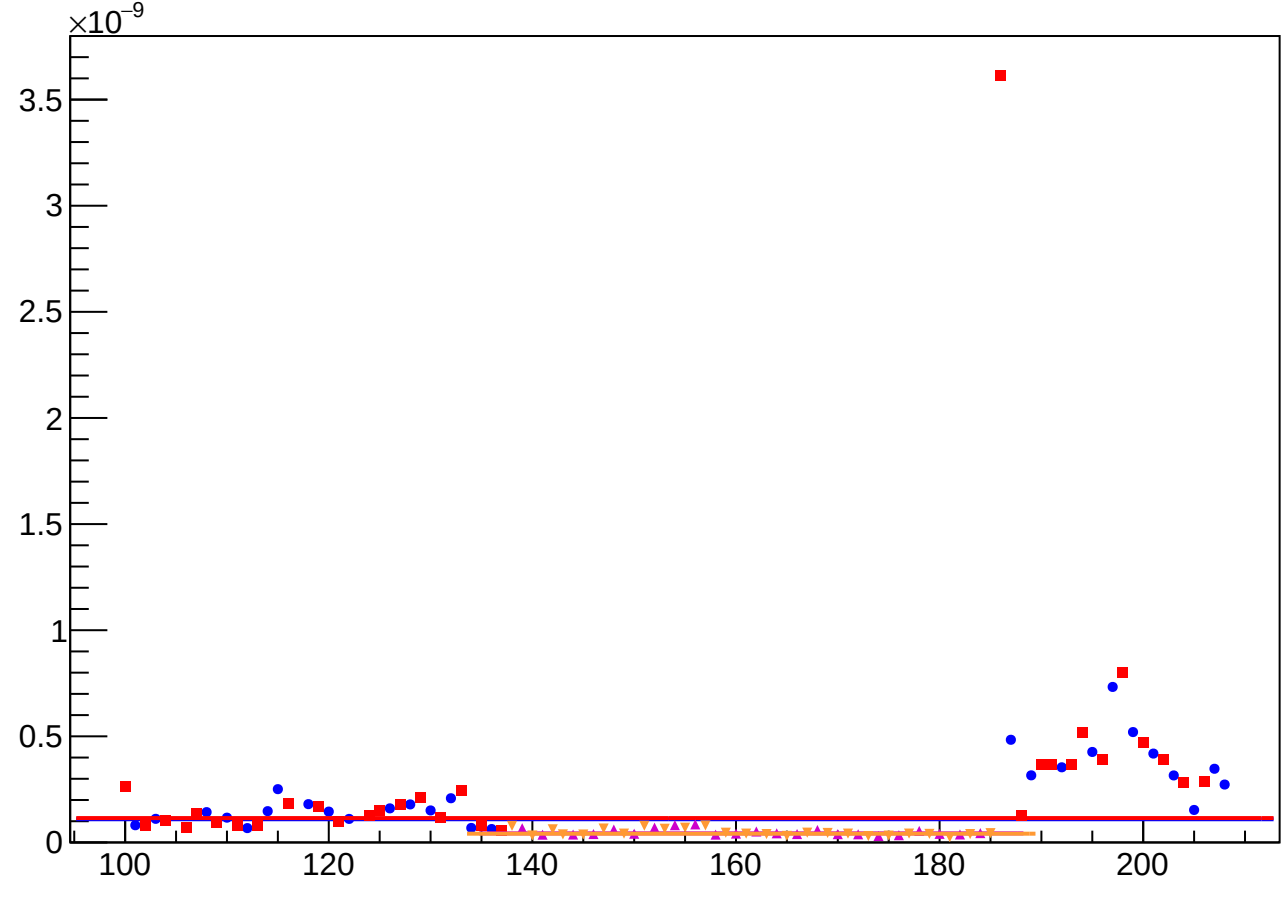
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.2/57

In: 0.000+/-0.000 χ^2/NDF:34.2/49

Out: 0.000+/-0.000 χ^2/NDF:69.8/55

All: 0.000+/-0.000 χ^2/NDF: 104.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 4780083.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4476822.0/30

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

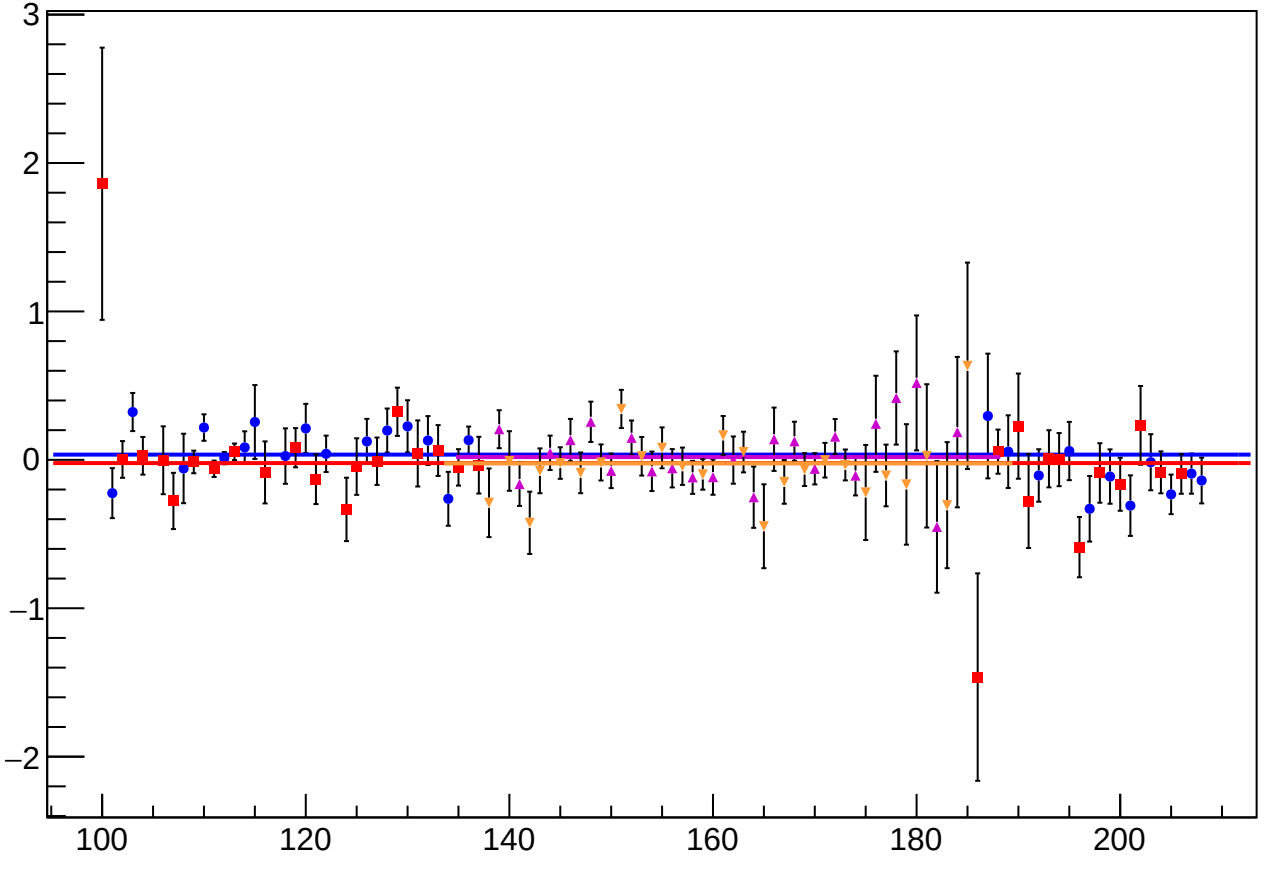
Right: 0.000+/-0.000 χ^2/NDF: 9268490.1/57

In: 0.000+/-0.000 χ^2/NDF:8887878.1/49

Out: 0.000+/-0.000 χ^2/NDF:9287194.7/55

All: 0.000+/-0.000 χ^2/NDF: 18198774.3/105

asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

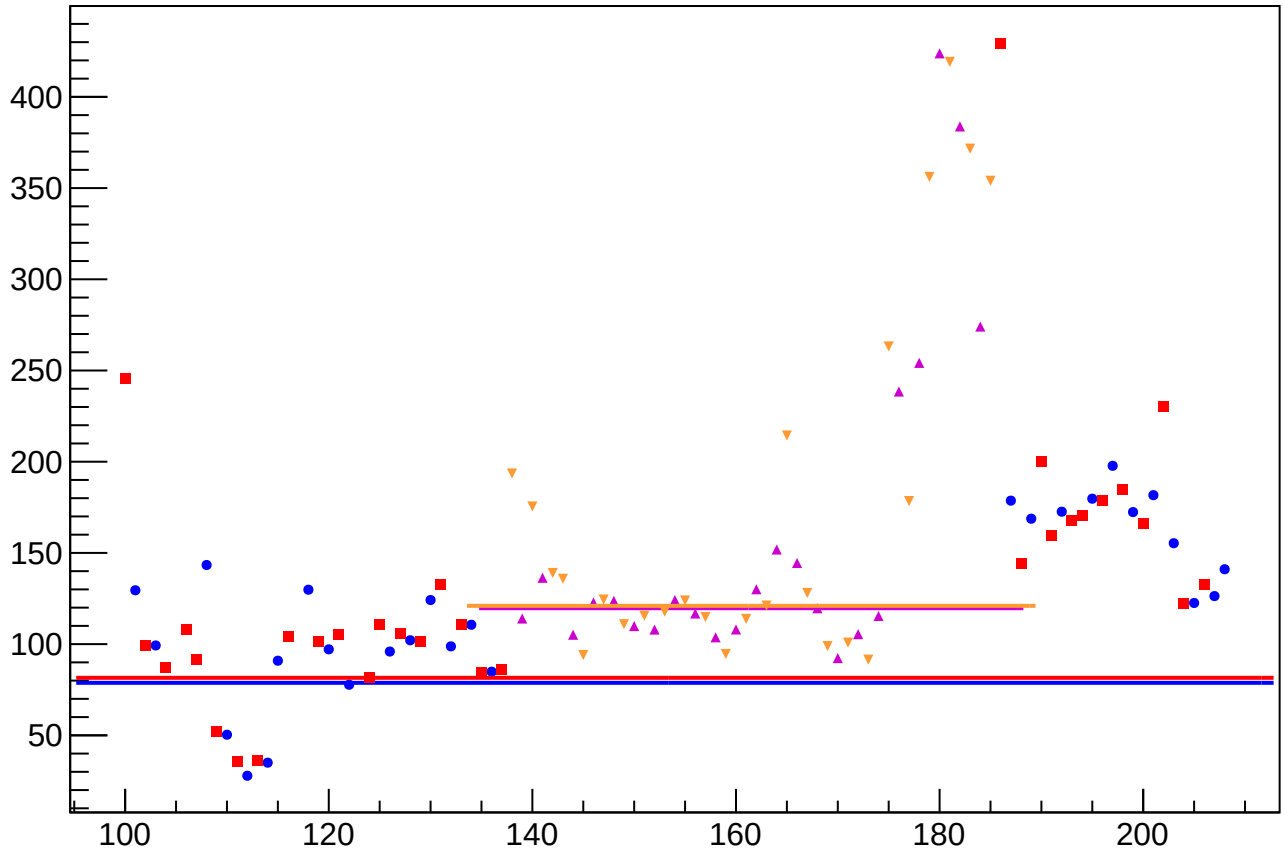
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.007+/-0.017 χ^2/NDF: 69.8/57

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.003+/-0.013 χ^2/NDF: 116.1/105



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

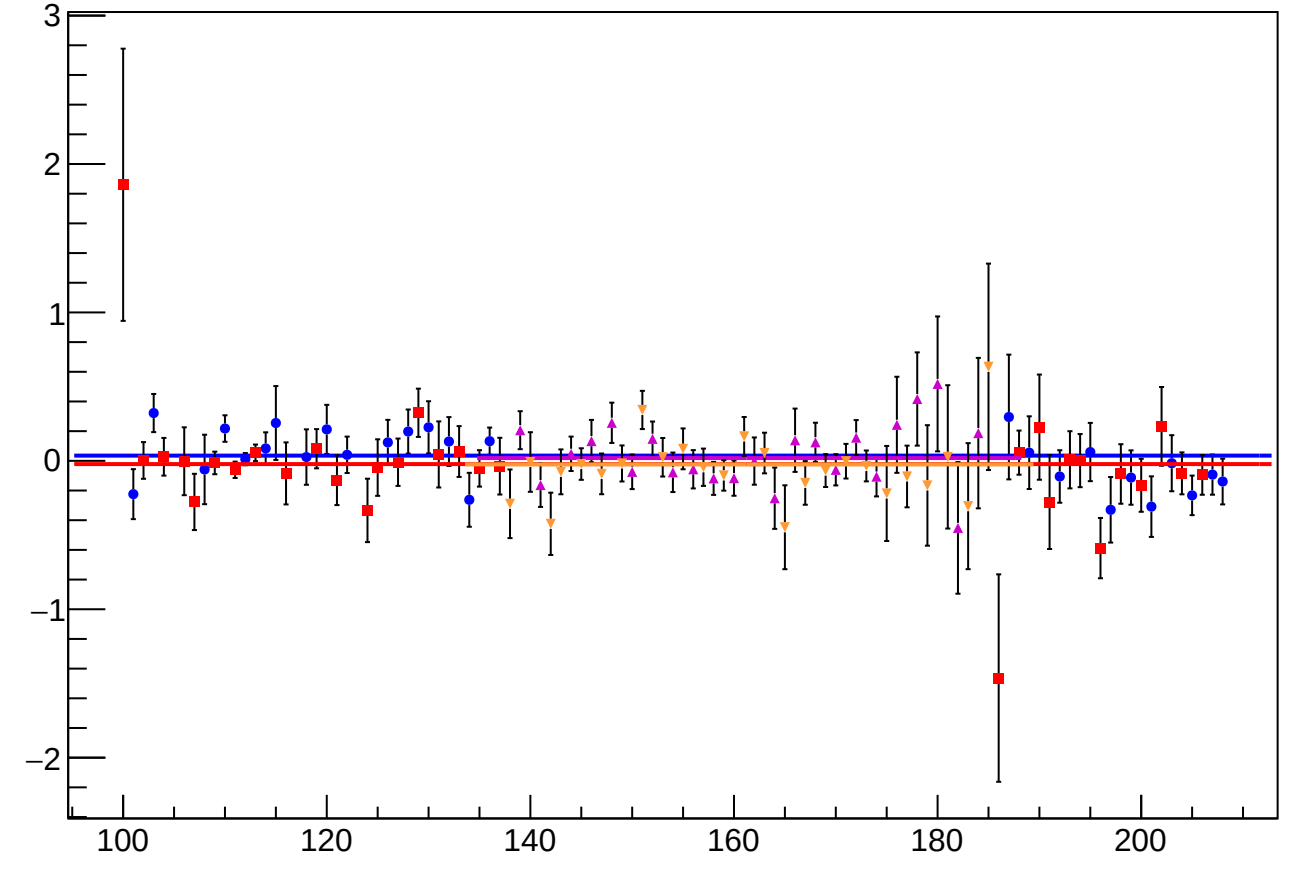
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 80.169+/-0.012 χ^2/NDF: 16850147.1/57

In: 94.774+/-0.013 χ^2/NDF:13735193.3/49

Out: 97.122+/-0.013 χ^2/NDF:14372186.4/55

All: 95.954+/-0.009 χ^2/NDF: 28122912.8/105



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

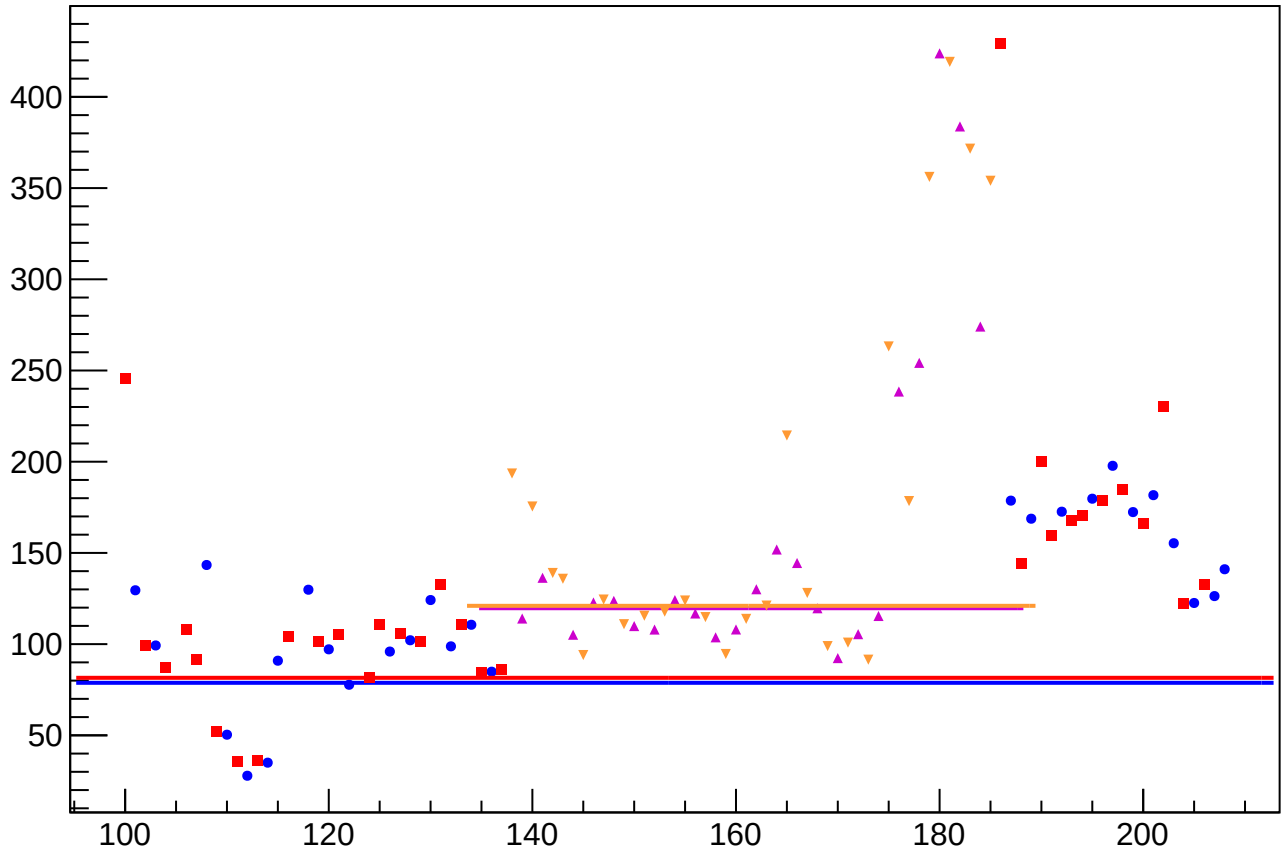
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.007+/-0.017 χ^2/NDF: 69.8/57

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.003+/-0.013 χ^2/NDF: 116.1/105



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

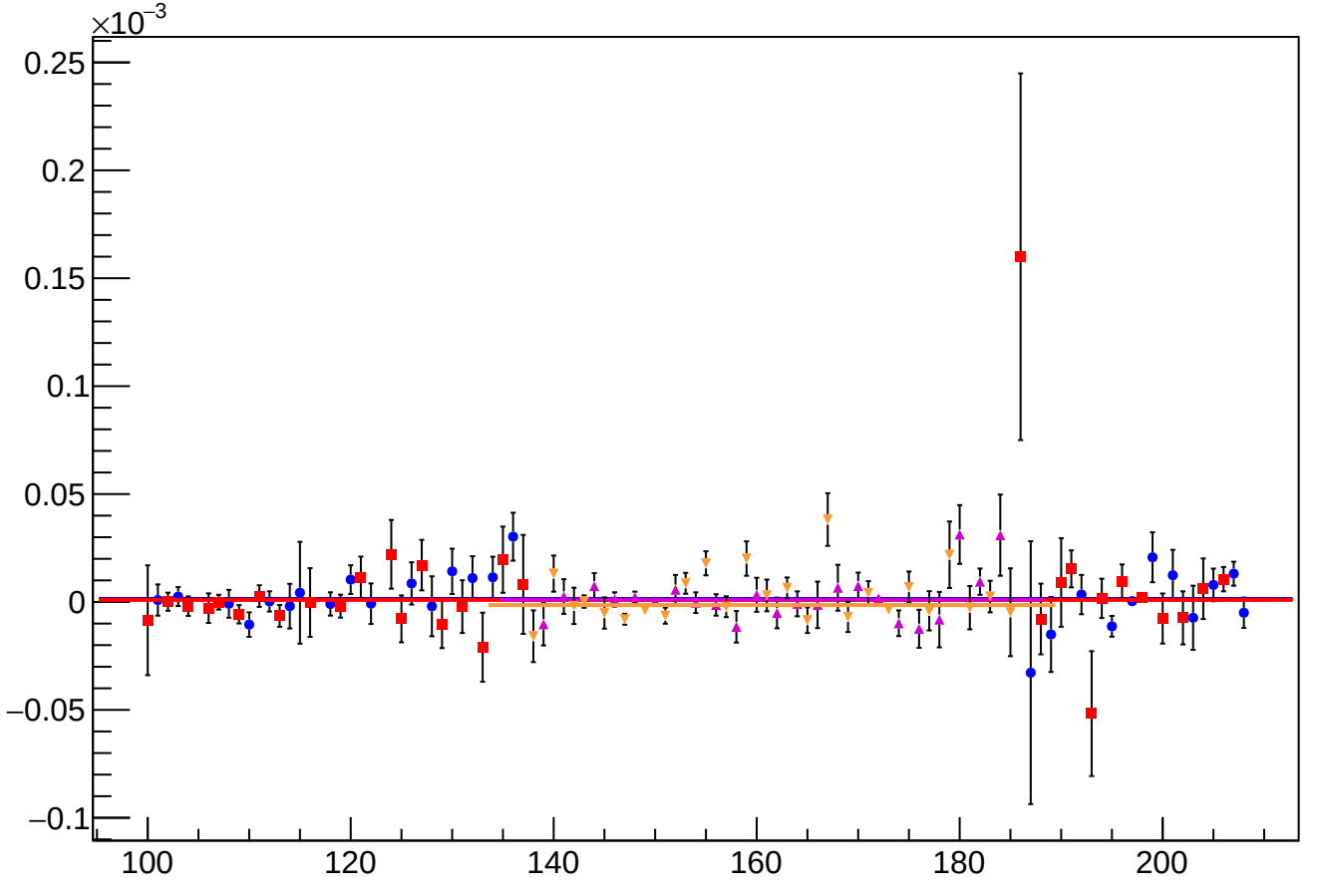
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 80.169+/-0.012 χ^2/NDF: 16850147.1/57

In: 94.774+/-0.013 χ^2/NDF:13735193.3/49

Out: 97.122+/-0.013 χ^2/NDF:14372186.4/55

All: 95.954+/-0.009 χ^2/NDF: 28122912.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/30

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

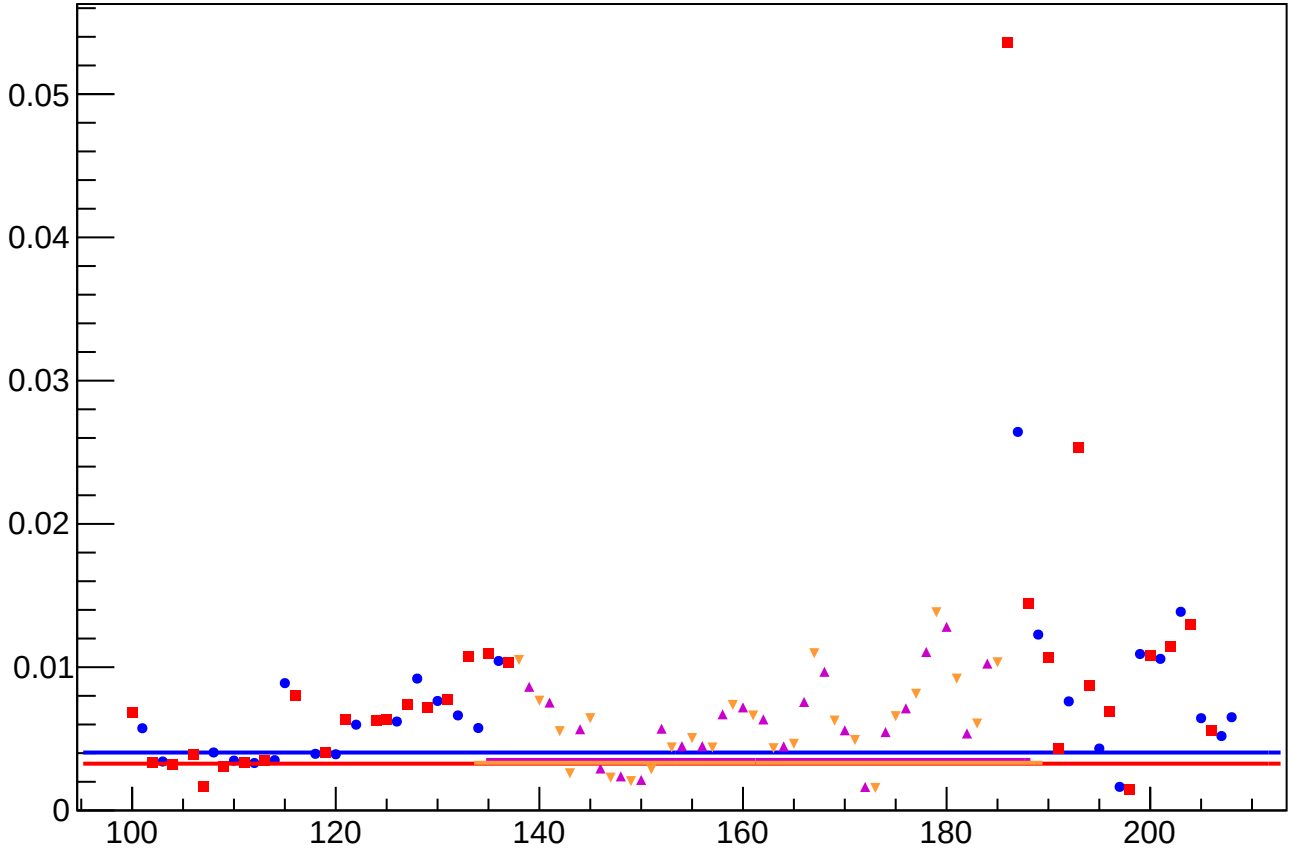
Right: 0.000+/-0.000 χ^2/NDF: 68.3/57

In: 0.000+/-0.000 χ^2/NDF:60.7/49

Out: -0.000+/-0.000 χ^2/NDF:95.5/55

All: 0.000+/-0.000 χ^2/NDF: 158.5/105

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 8060907.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12681272.4/30

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

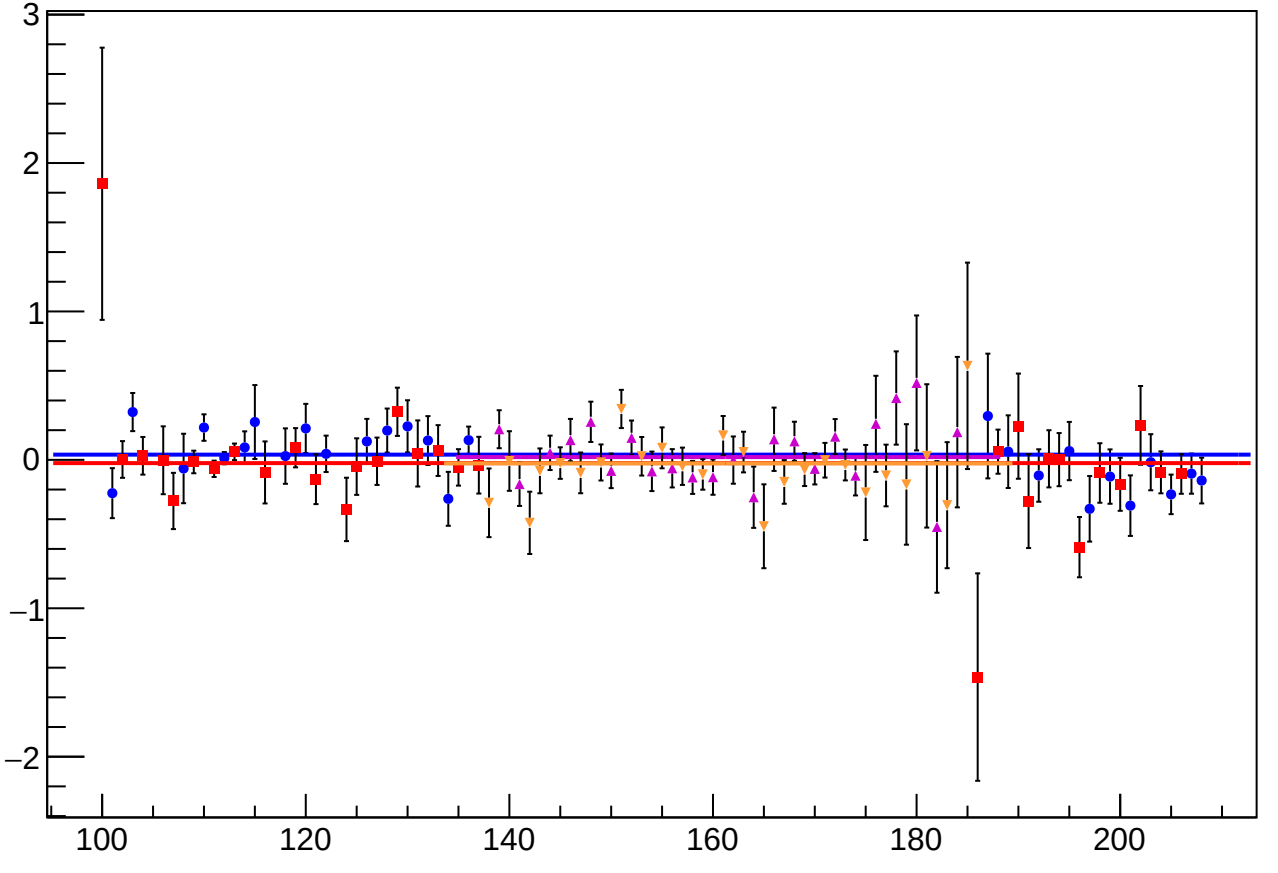
Right: 0.004+/-0.000 χ^2/NDF: 21203054.2/57

In: 0.004+/-0.000 χ^2/NDF:17705797.9/49

Out: 0.003+/-0.000 χ^2/NDF:23171140.5/55

All: 0.003+/-0.000 χ^2/NDF: 41218990.2/105

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

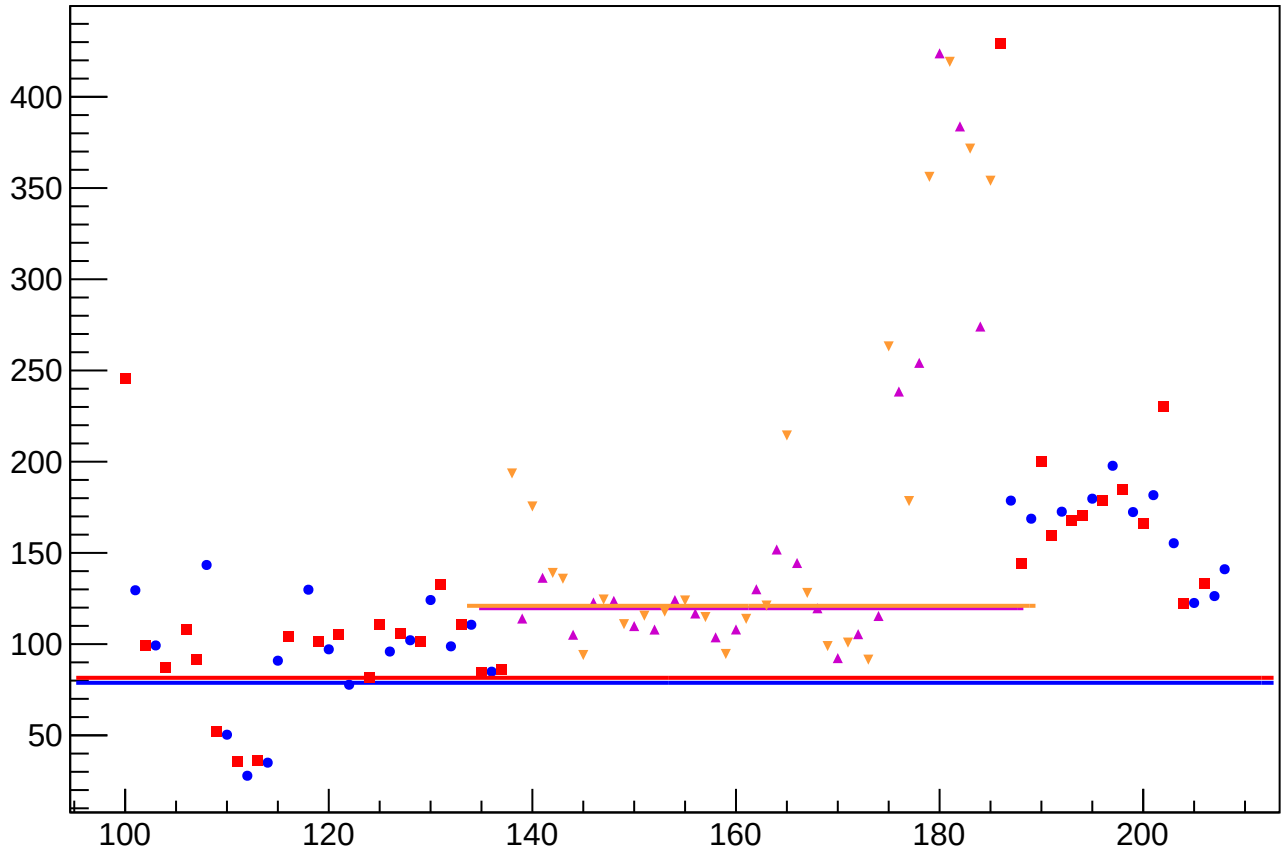
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.007+/-0.017 χ^2/NDF: 69.8/57

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.003+/-0.013 χ^2/NDF: 116.1/105



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

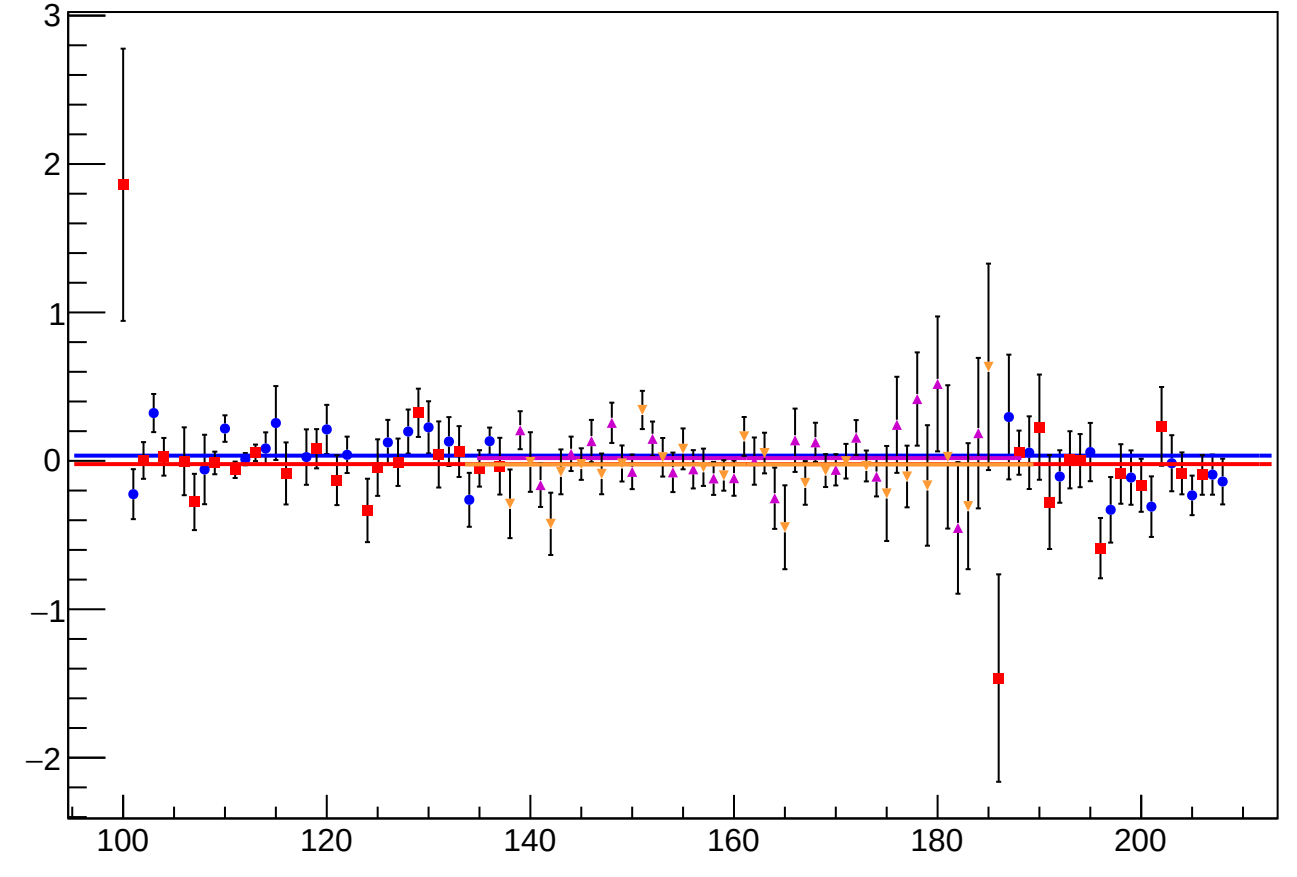
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 80.167+/-0.012 χ^2/NDF: 16851097.2/57

In: 94.772+/-0.013 χ^2/NDF:13735960.0/49

Out: 97.121+/-0.013 χ^2/NDF:14372930.5/55

All: 95.953+/-0.009 χ^2/NDF: 28124428.3/105



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

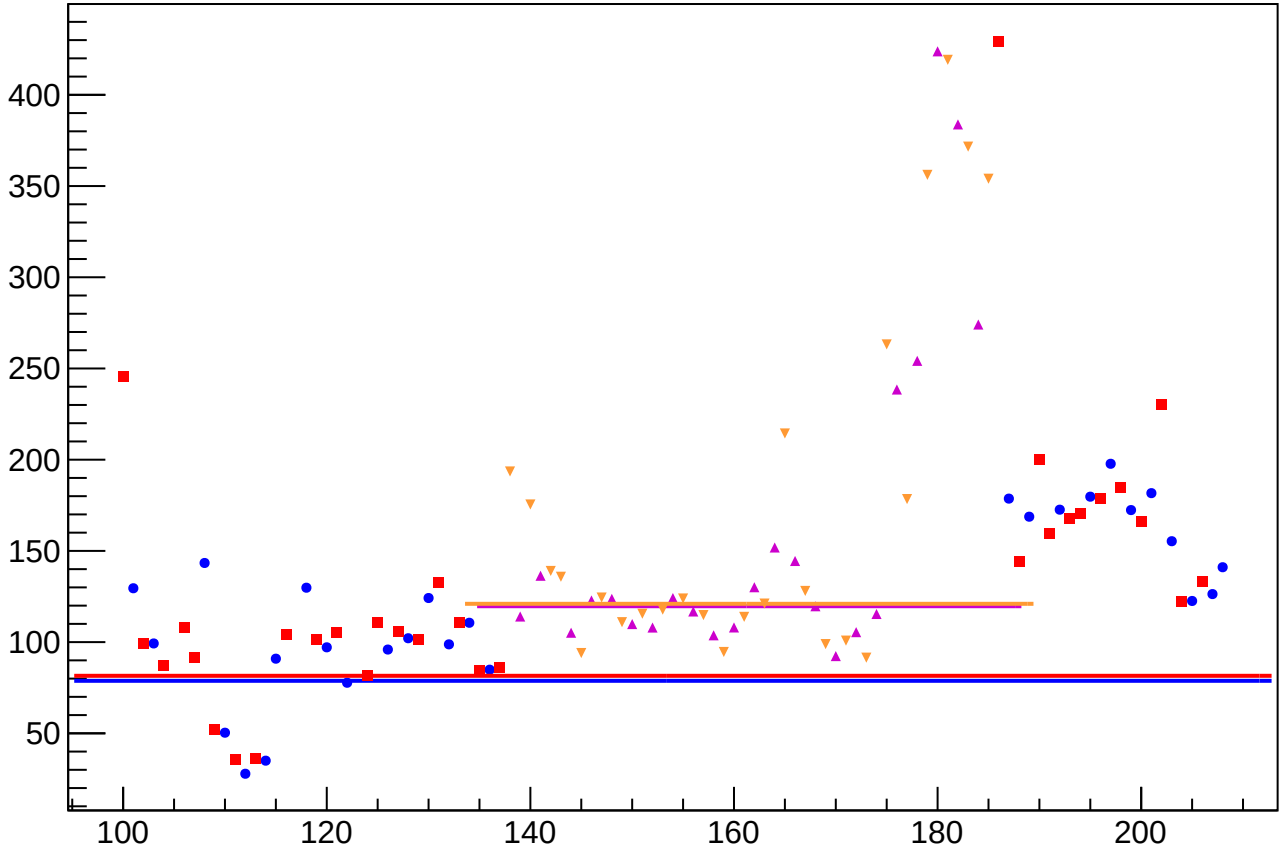
Right: 0.007+/-0.017 χ^2/NDF: 69.8/57

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.003+/-0.013 χ^2/NDF: 116.1/105

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

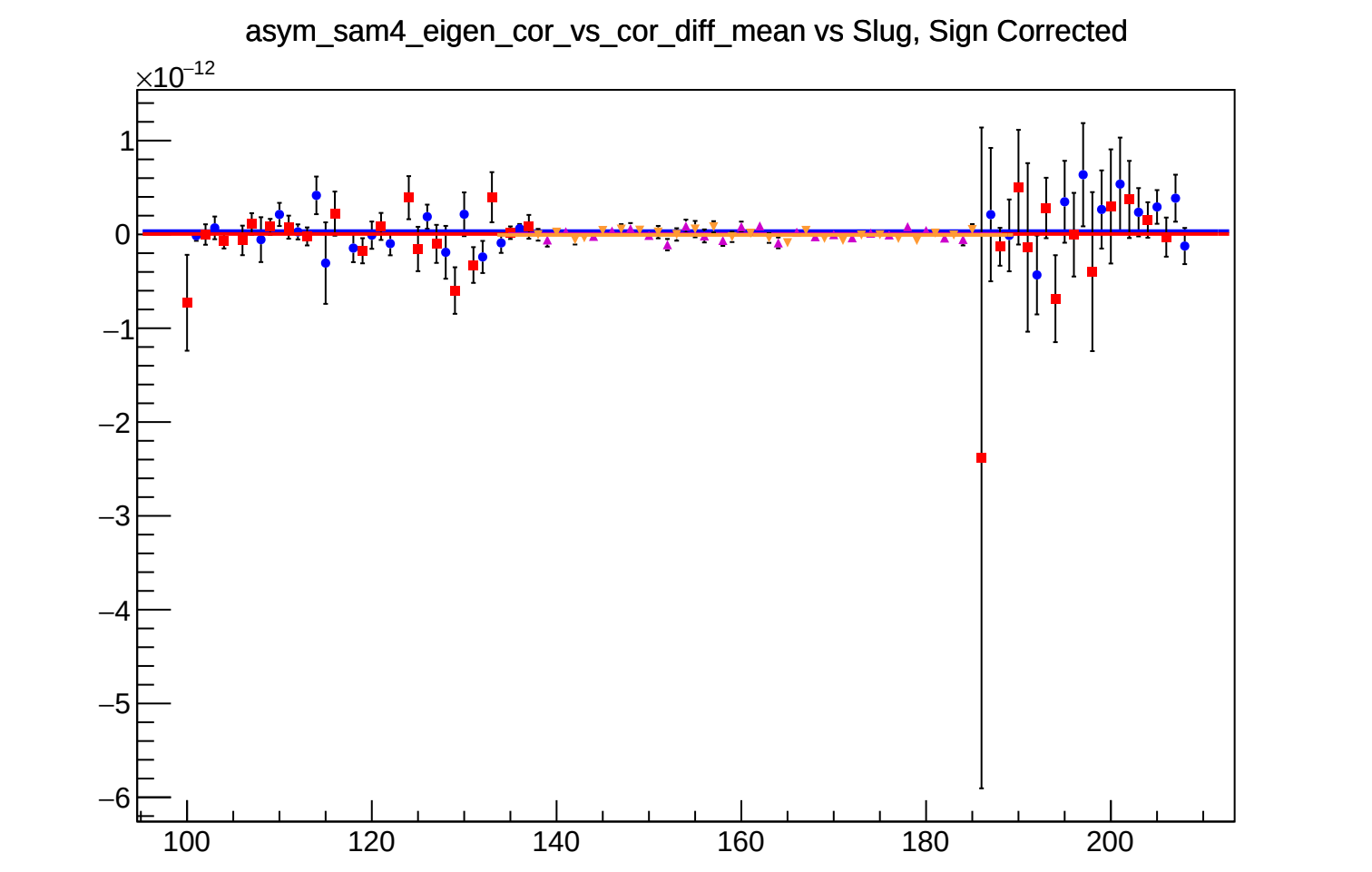
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 80.167+/-0.012 χ^2/NDF: 16851097.2/57

In: 94.772+/-0.013 χ^2/NDF:13735960.0/49

Out: 97.121+/-0.013 χ^2/NDF:14372930.5/55

All: 95.953+/-0.009 χ^2/NDF: 28124428.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/30

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

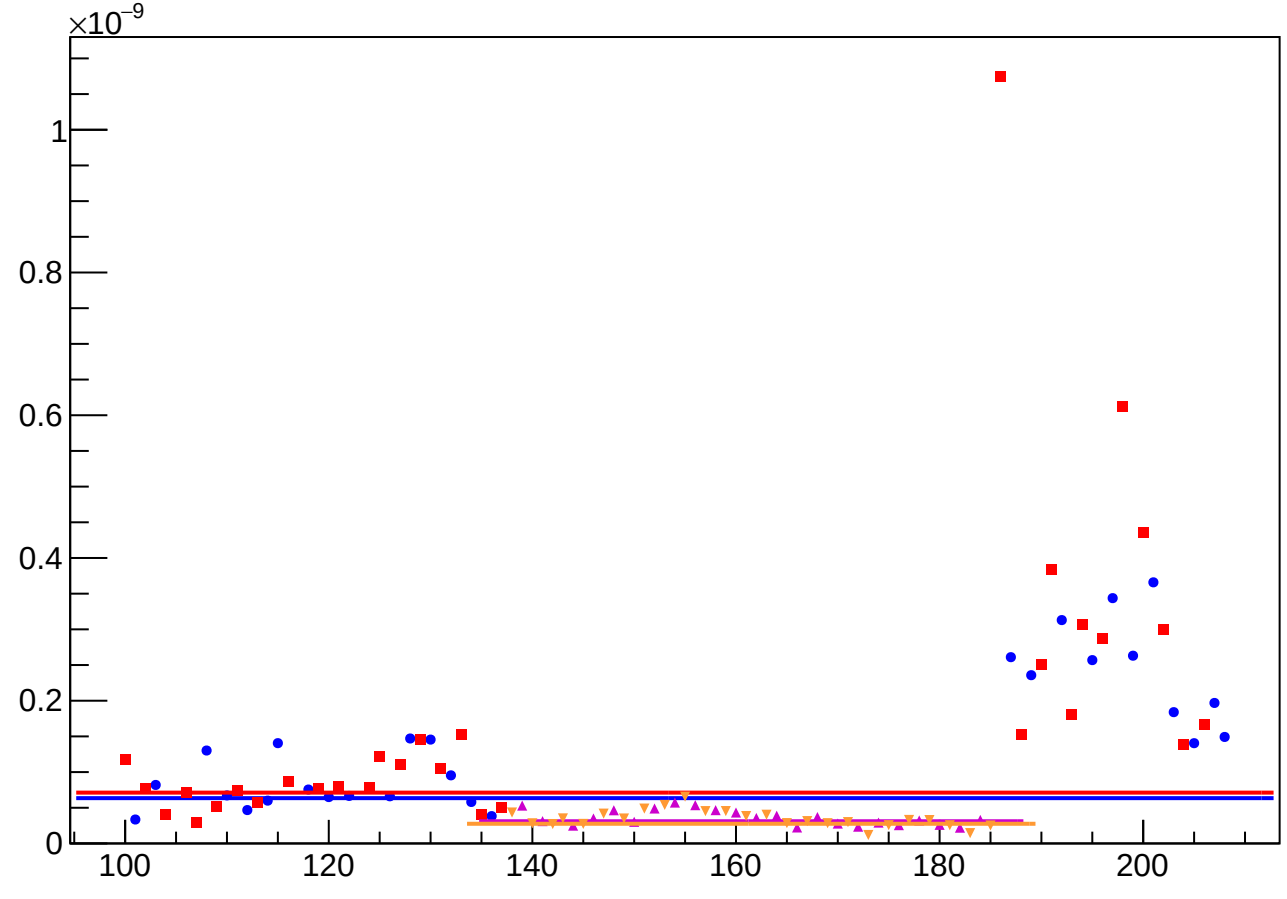
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 57.0/57

In: 0.000+/-0.000 χ^2/NDF:55.7/49

Out: -0.000+/-0.000 χ^2/NDF:52.0/55

All: 0.000+/-0.000 χ^2/NDF: 108.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 7144031.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6778787.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

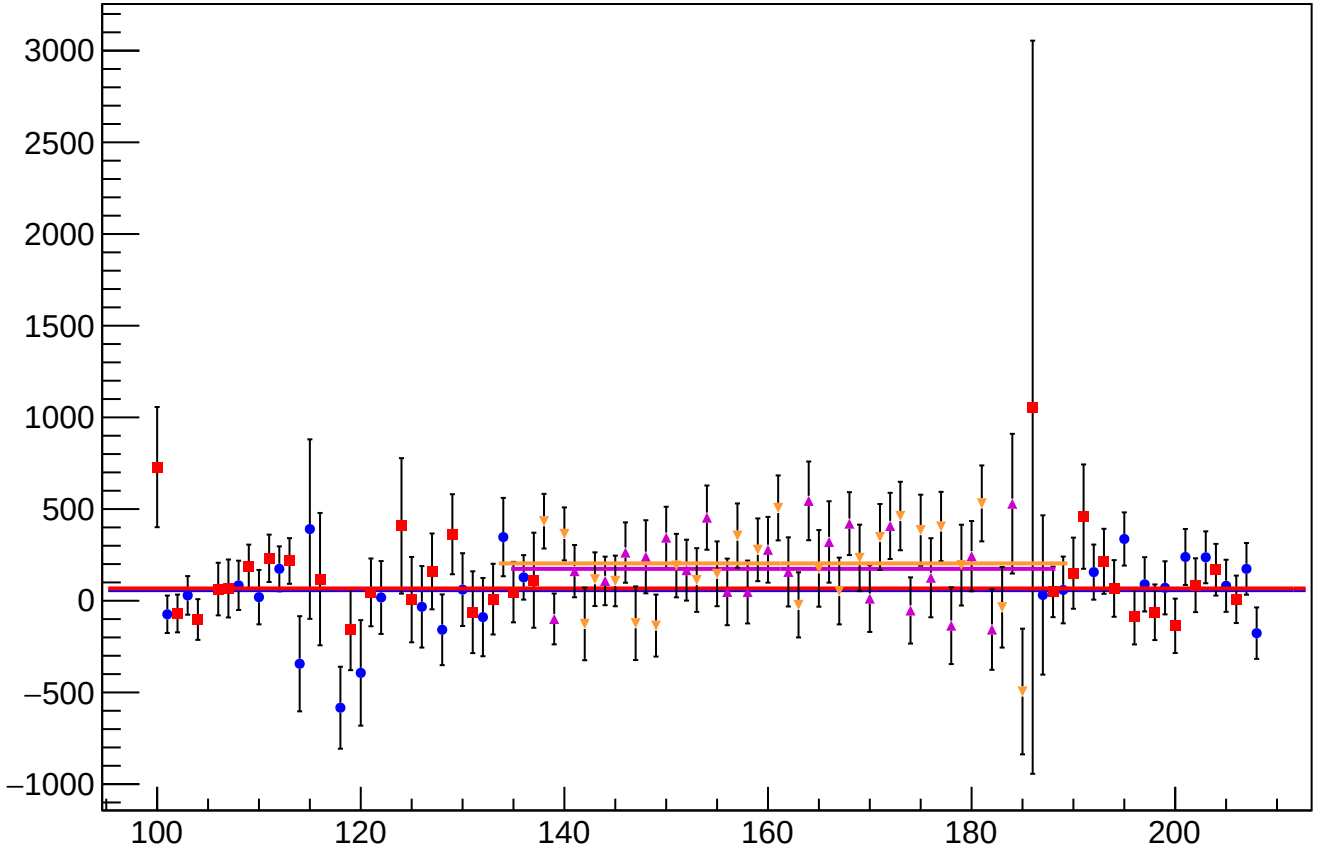
Right: 0.000+/-0.000 χ^2/NDF: 14008827.1/57

In: 0.000+/-0.000 χ^2/NDF:12022485.5/49

Out: 0.000+/-0.000 χ^2/NDF:15068118.4/55

All: 0.000+/-0.000 χ^2/NDF: 27303361.0/105

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 57.891+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 67.035+/-29.474 χ^2/NDF: 24.2/30

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

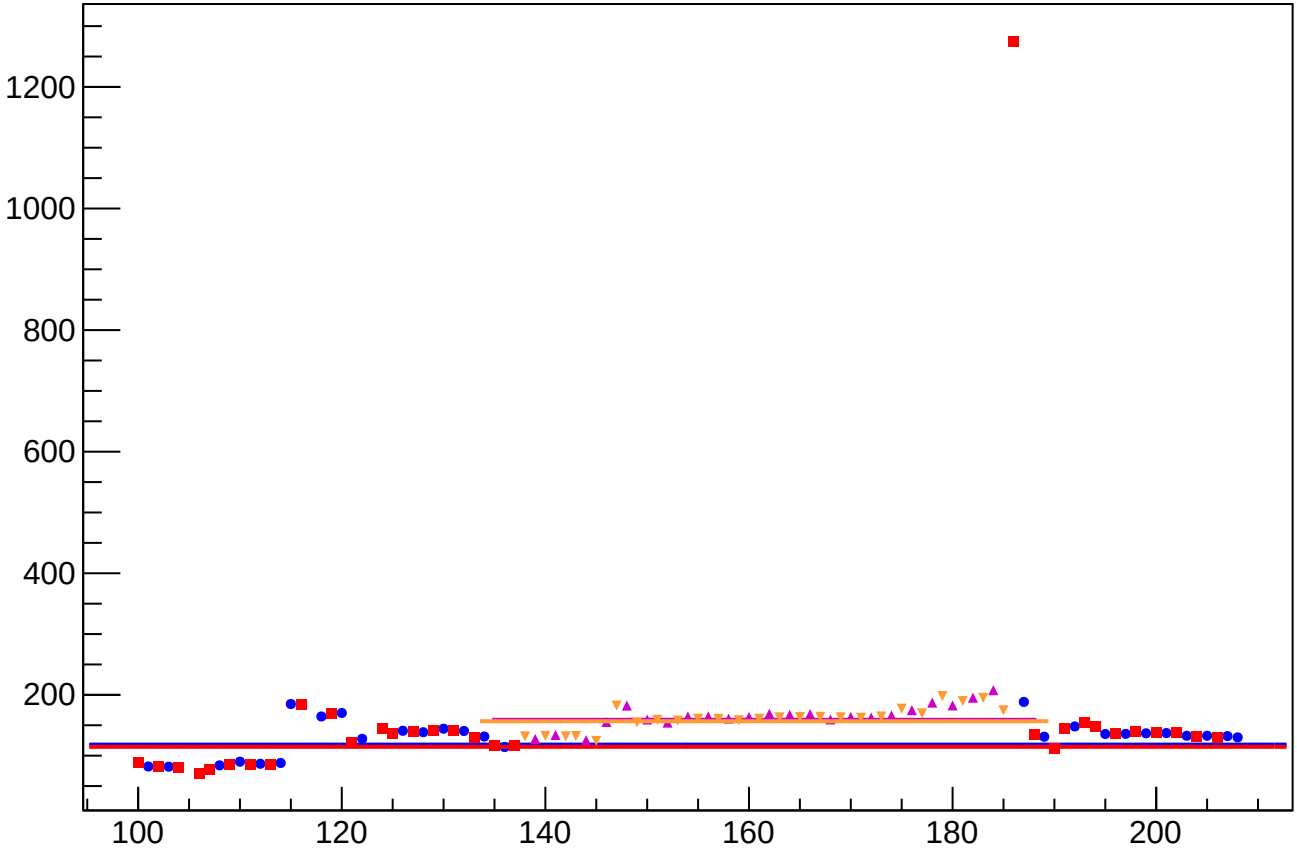
Right: 62.613+/-21.180 χ^2/NDF: 55.4/57

In: 104.167+/-23.617 χ^2/NDF:61.4/49

Out: 122.129+/-22.775 χ^2/NDF:65.8/55

All: 113.474+/-16.394 χ^2/NDF: 127.5/105

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.176+/-0.022 χ^2/NDF: 1487966.0/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 114.478+/-0.021 χ^2/NDF: 2554133.7/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

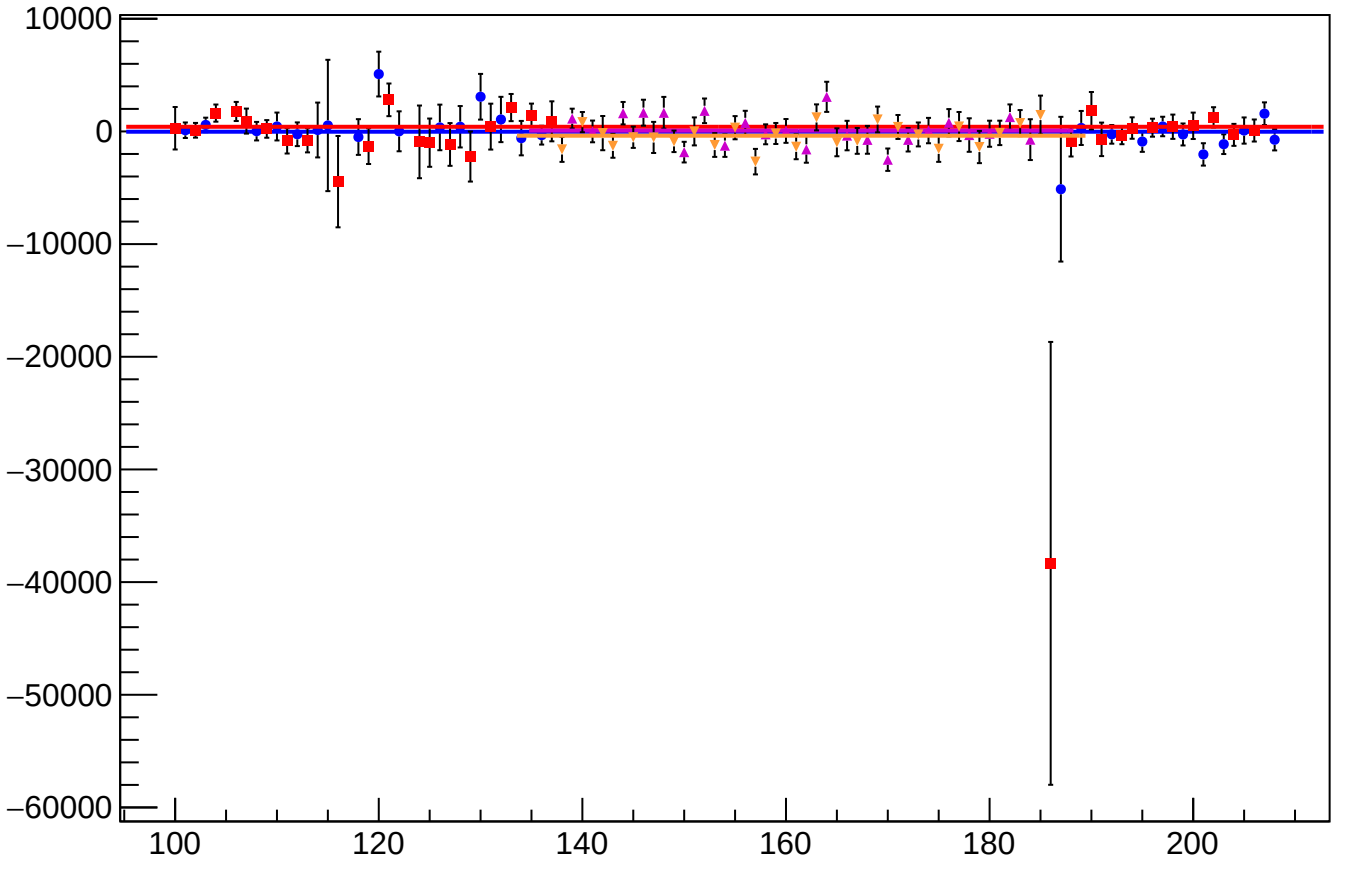
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 116.266+/-0.015 χ^2/NDF: 4057327.8/57

In: 134.431+/-0.017 χ^2/NDF:3428502.1/49

Out: 131.466+/-0.016 χ^2/NDF:4785461.6/55

All: 132.895+/-0.012 χ^2/NDF: 8230298.1/105



Right In: -25.689+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.916+/-202.754 χ^2/NDF: 27.9/30

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

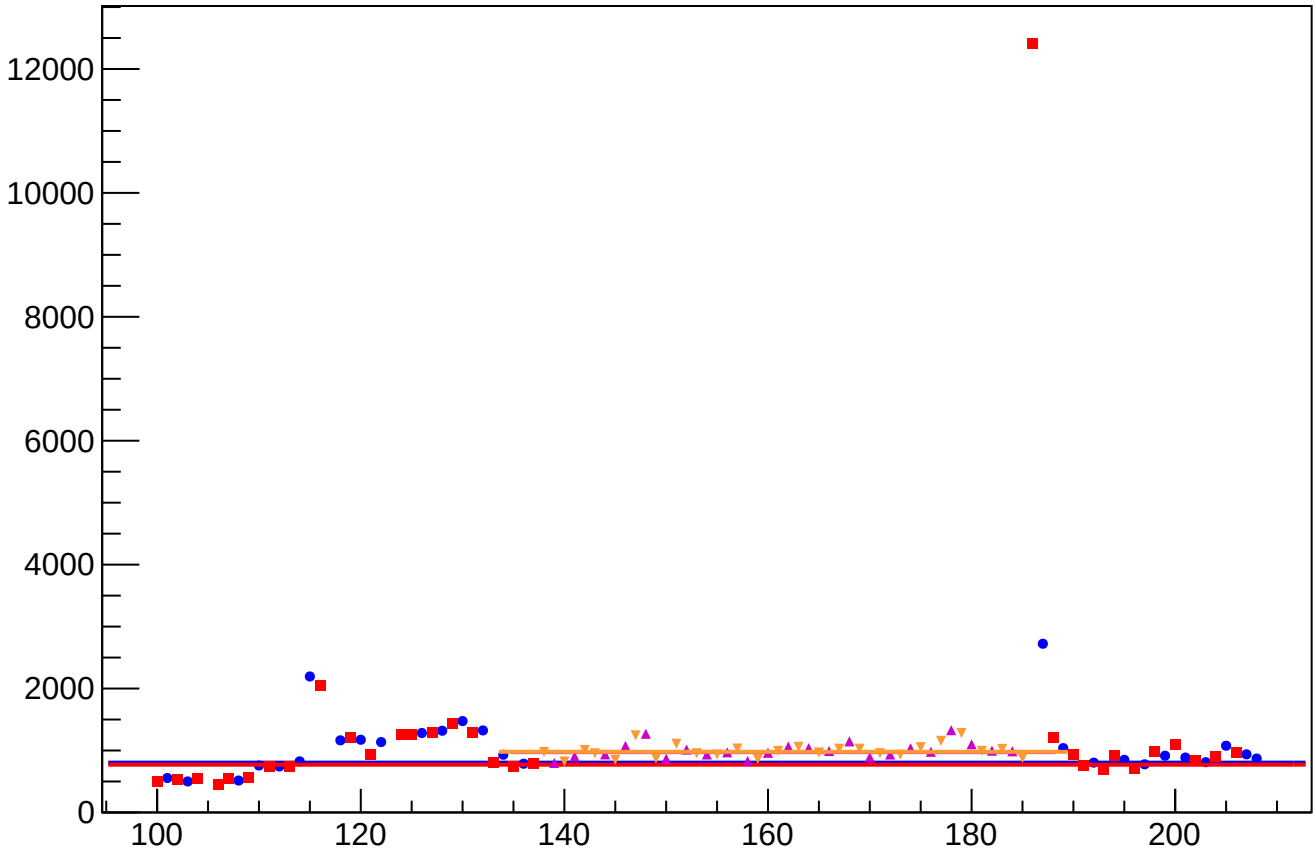
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 203.203+/-146.470 χ^2/NDF: 51.8/57

In: 20.309+/-155.746 χ^2/NDF:54.8/49

Out: 56.496+/-150.487 χ^2/NDF:53.5/55

All: 39.023+/-108.222 χ^2/NDF: 108.3/105



Right In: 803.972+/-0.150 χ^2/NDF: 2380944.8/26

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 770.690+/-0.143 χ^2/NDF: 3413140.4/30

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

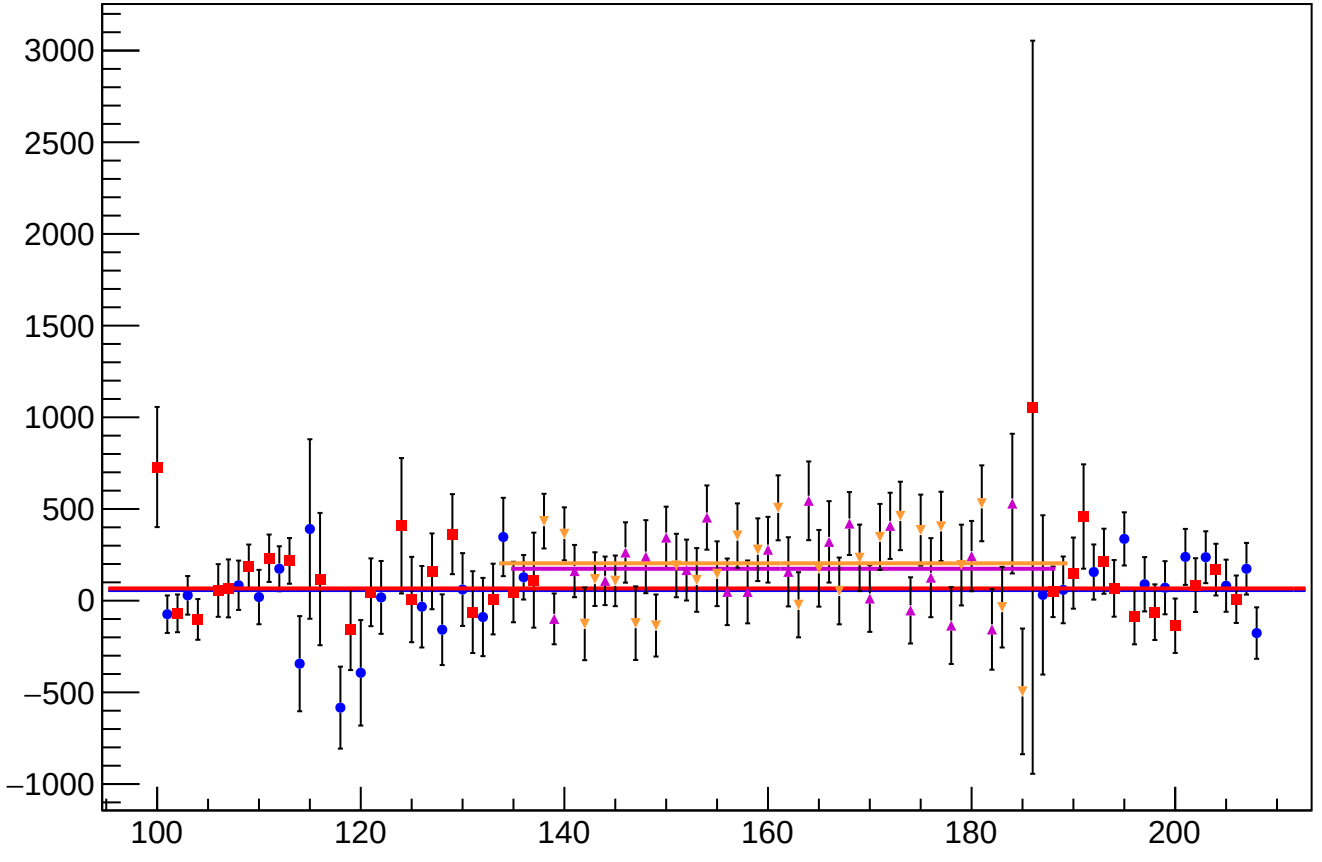
Right: 786.603+/-0.104 χ^2/NDF: 5819851.6/57

In: 881.996+/-0.110 χ^2/NDF:3470267.1/49

Out: 864.295+/-0.106 χ^2/NDF:4792085.9/55

All: 872.842+/-0.077 χ^2/NDF: 8275714.0/105

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 66.716+/-29.476 χ^2/NDF: 24.2/30

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

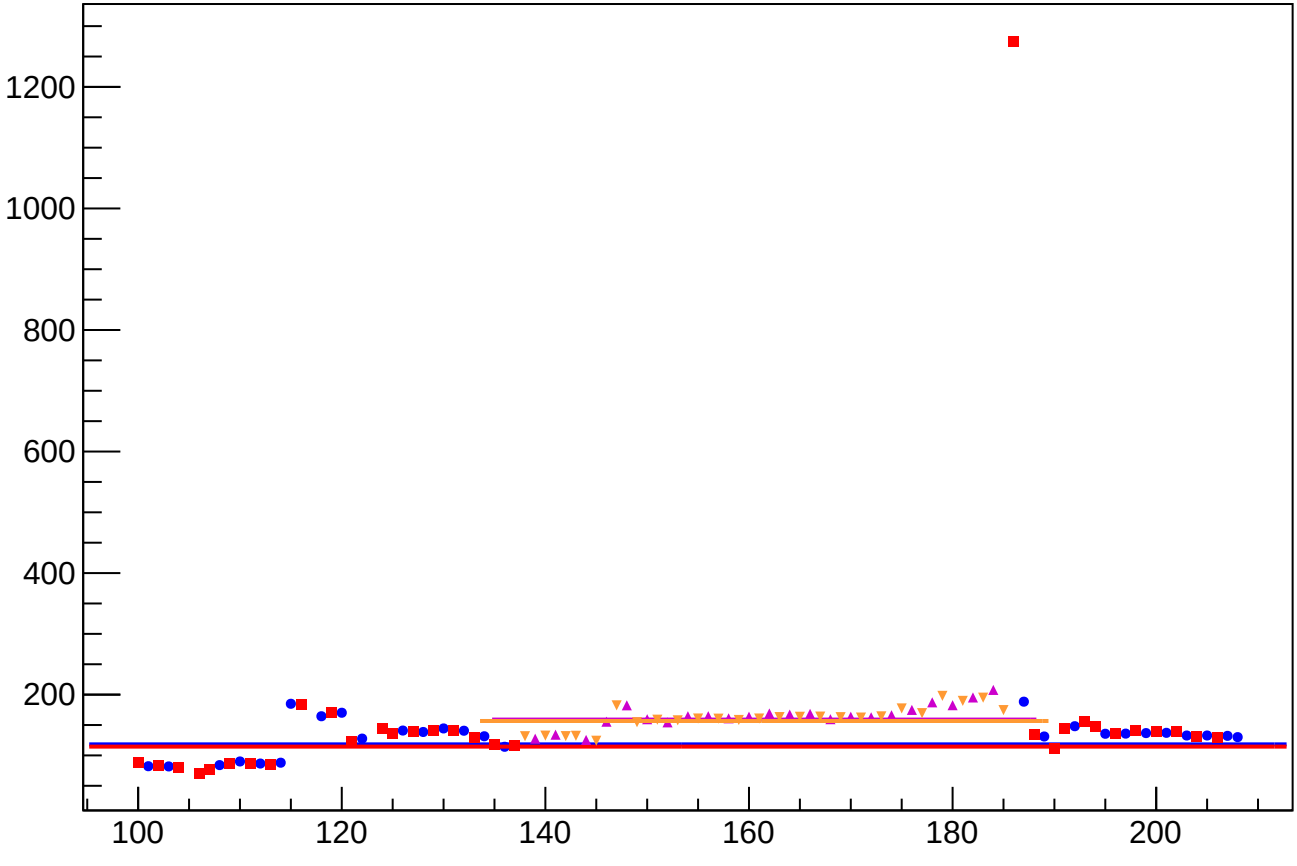
Right: 62.447+/-21.180 χ^2/NDF: 55.4/57

In: 104.168+/-23.617 χ^2/NDF:61.4/49

Out: 121.943+/-22.775 χ^2/NDF:65.8/55

All: 113.378+/-16.394 χ^2/NDF: 127.5/105

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

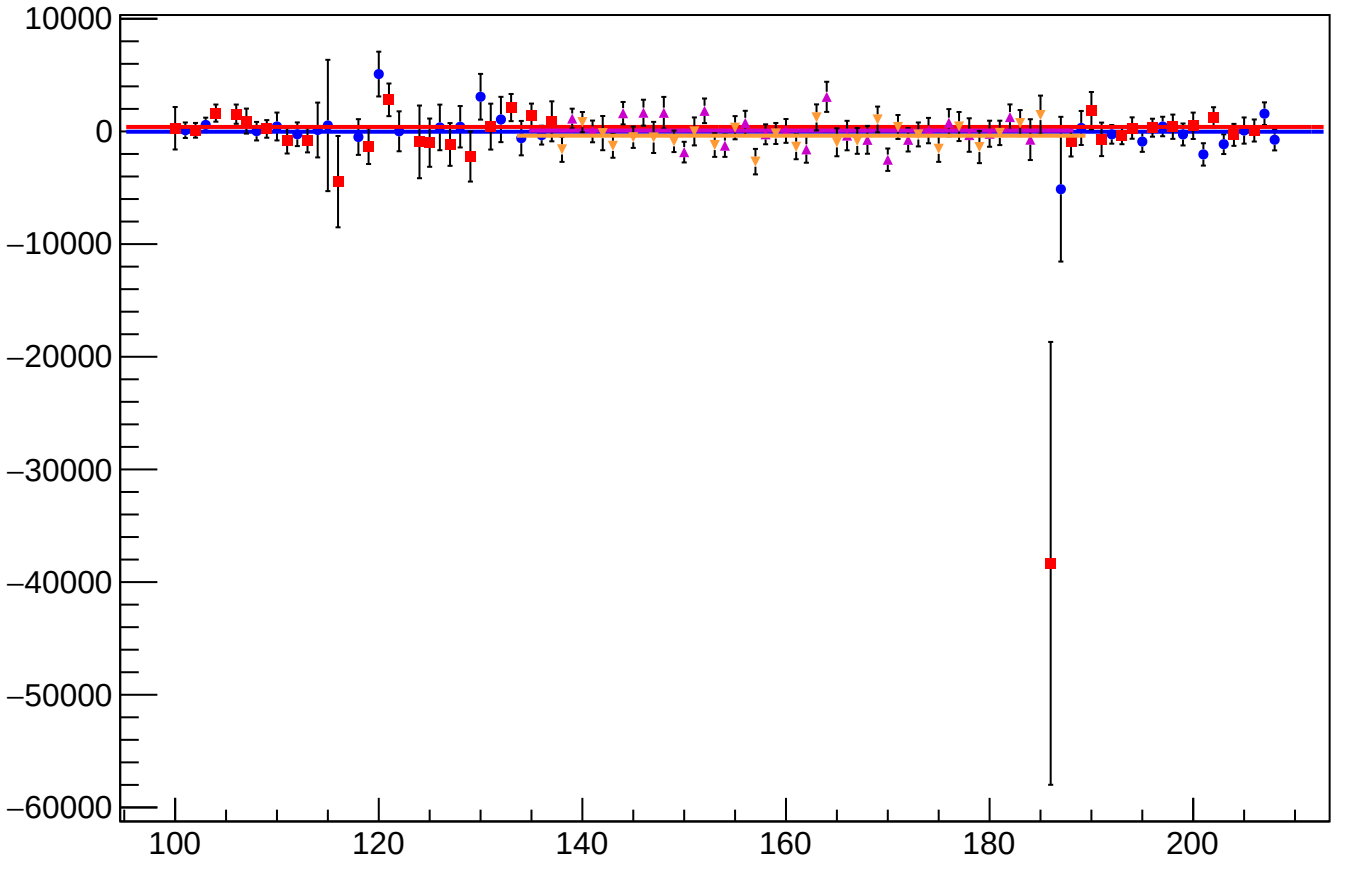
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 116.259+/-0.015 χ^2/NDF: 4060573.0/57

In: 134.431+/-0.017 χ^2/NDF:3428500.1/49

Out: 131.459+/-0.016 χ^2/NDF:4789573.0/55

All: 132.891+/-0.012 χ^2/NDF: 8234484.3/105



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 398.232+/-202.829 χ^2/NDF: 27.0/30

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

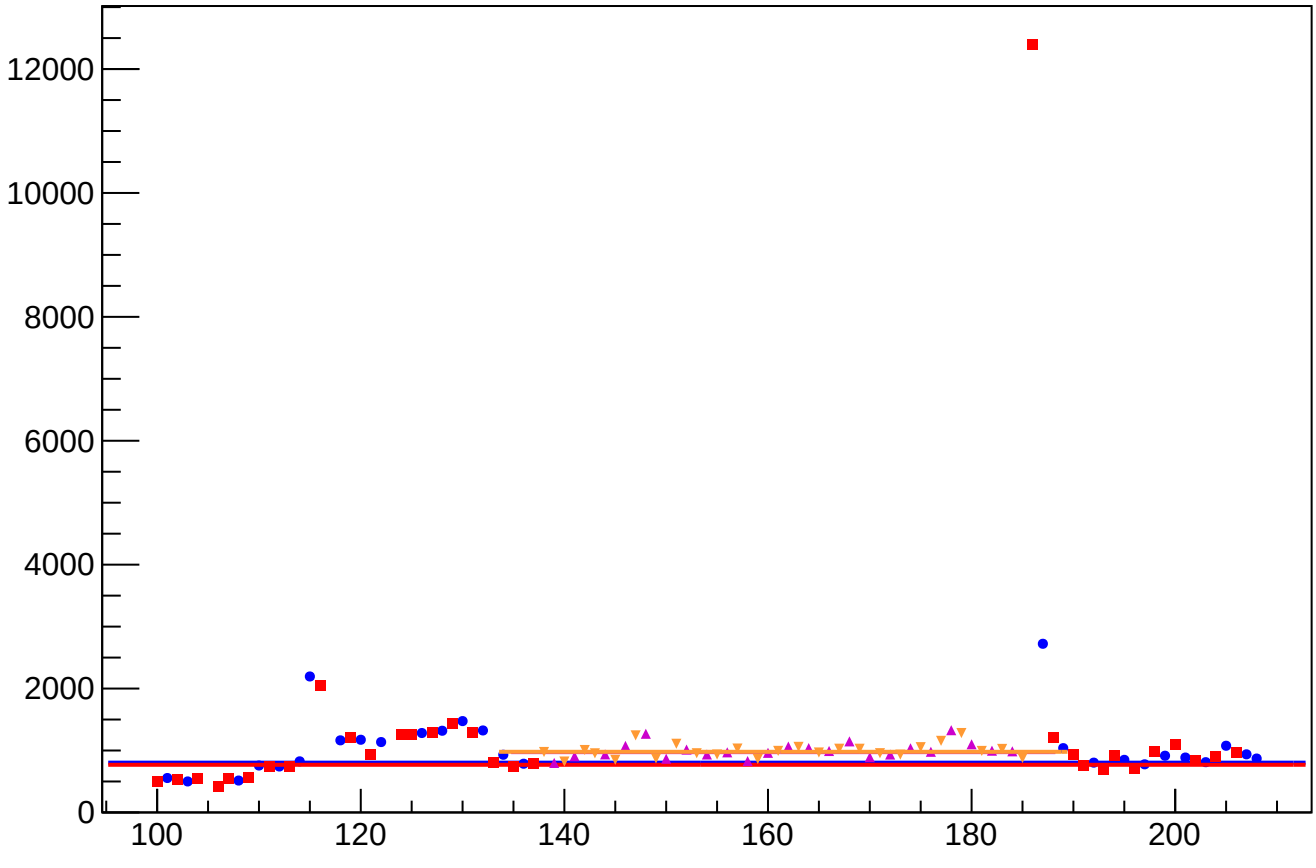
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 195.462+/-146.498 χ^2/NDF: 50.8/57

In: 20.309+/-155.746 χ^2/NDF:54.8/49

Out: 48.268+/-150.518 χ^2/NDF:52.4/55

All: 34.766+/-108.233 χ^2/NDF: 107.2/105



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

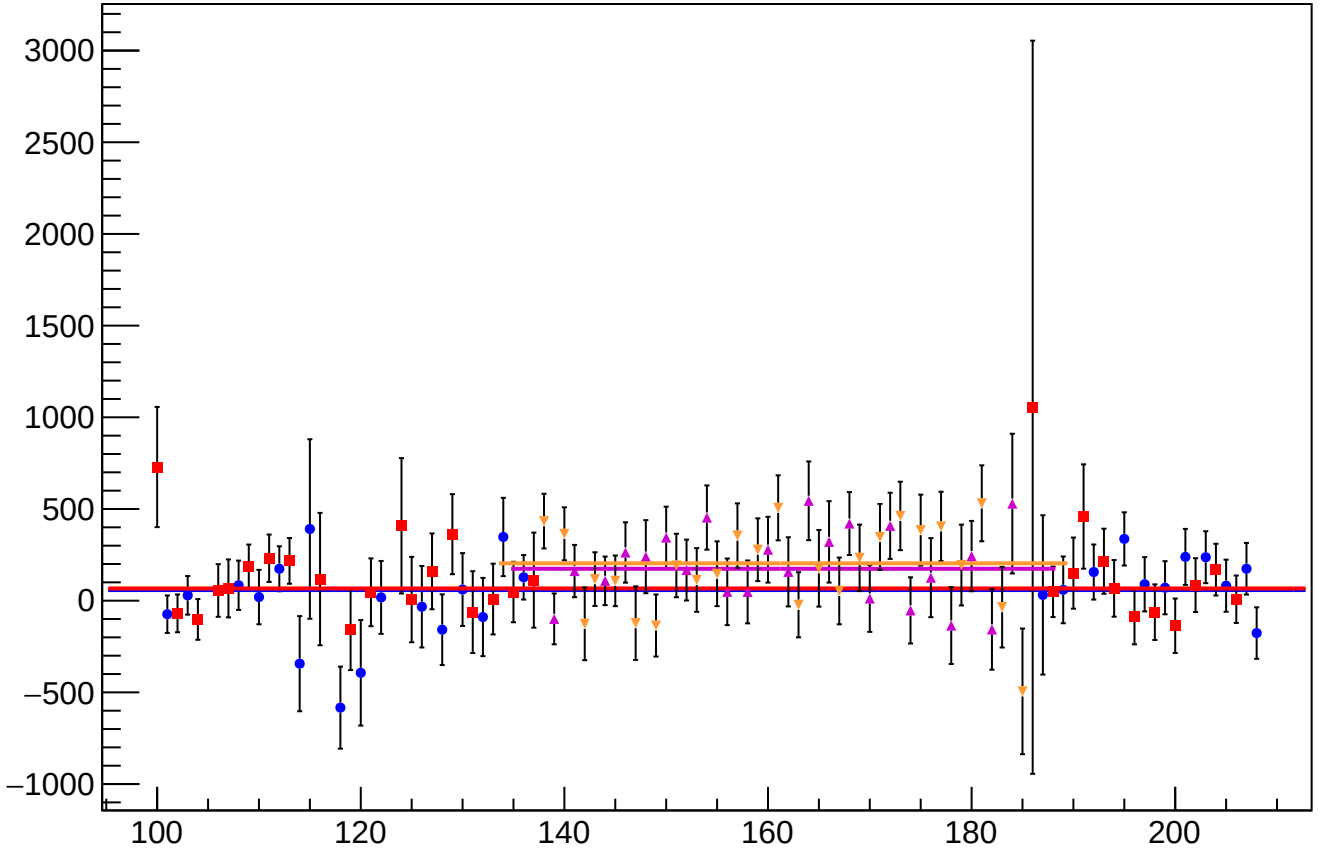
Right: 786.016+/-0.104 χ^2/NDF: 5862540.3/57

In: 881.996+/-0.110 χ^2/NDF:3470274.8/49

Out: 863.707+/-0.106 χ^2/NDF:4843061.4/55

All: 872.540+/-0.077 χ^2/NDF: 8327596.7/105

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 66.716+/-29.476 χ^2/NDF: 24.2/30

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

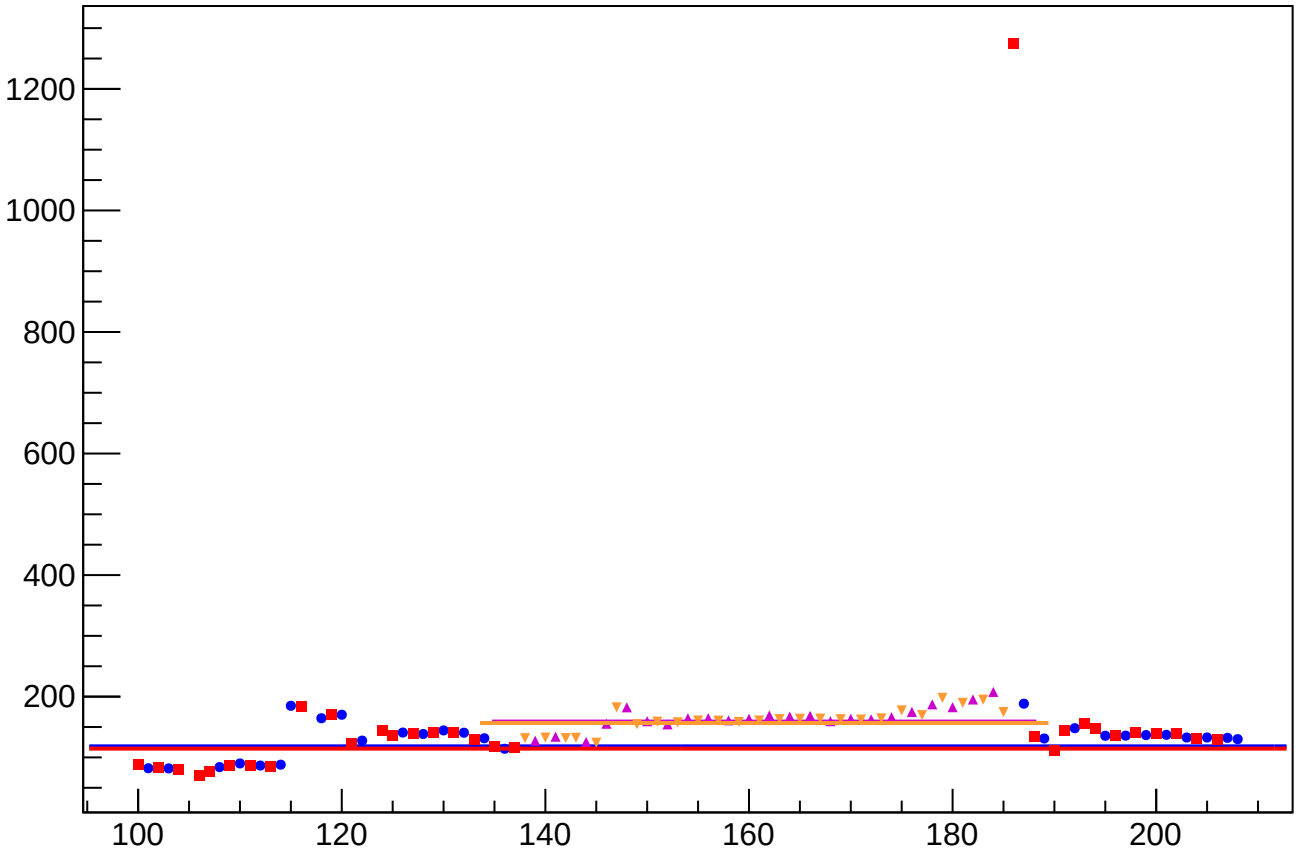
Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

Right: 62.447+/-21.180 χ^2/NDF: 55.4/57

In: 104.168+/-23.617 χ^2/NDF:61.4/49

Out: 121.943+/-22.775 χ^2/NDF:65.8/55

All: 113.378+/-16.394 χ^2/NDF: 127.5/105



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

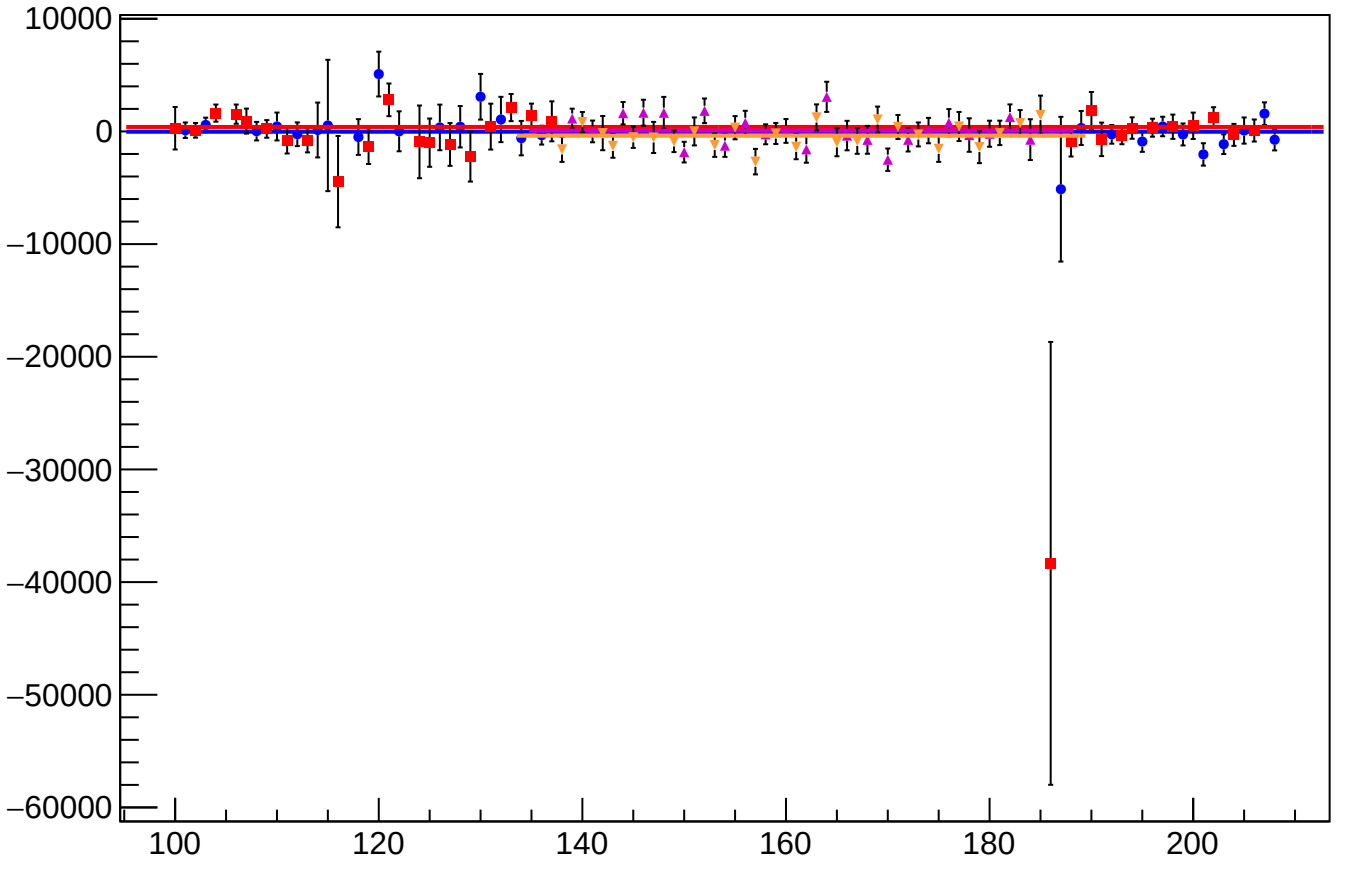
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 116.259+/-0.015 χ^2/NDF: 4060573.0/57

In: 134.431+/-0.017 χ^2/NDF:3428500.1/49

Out: 131.459+/-0.016 χ^2/NDF:4789573.0/55

All: 132.891+/-0.012 χ^2/NDF: 8234484.3/105



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 398.232+/-202.829 χ^2/NDF: 27.0/30

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

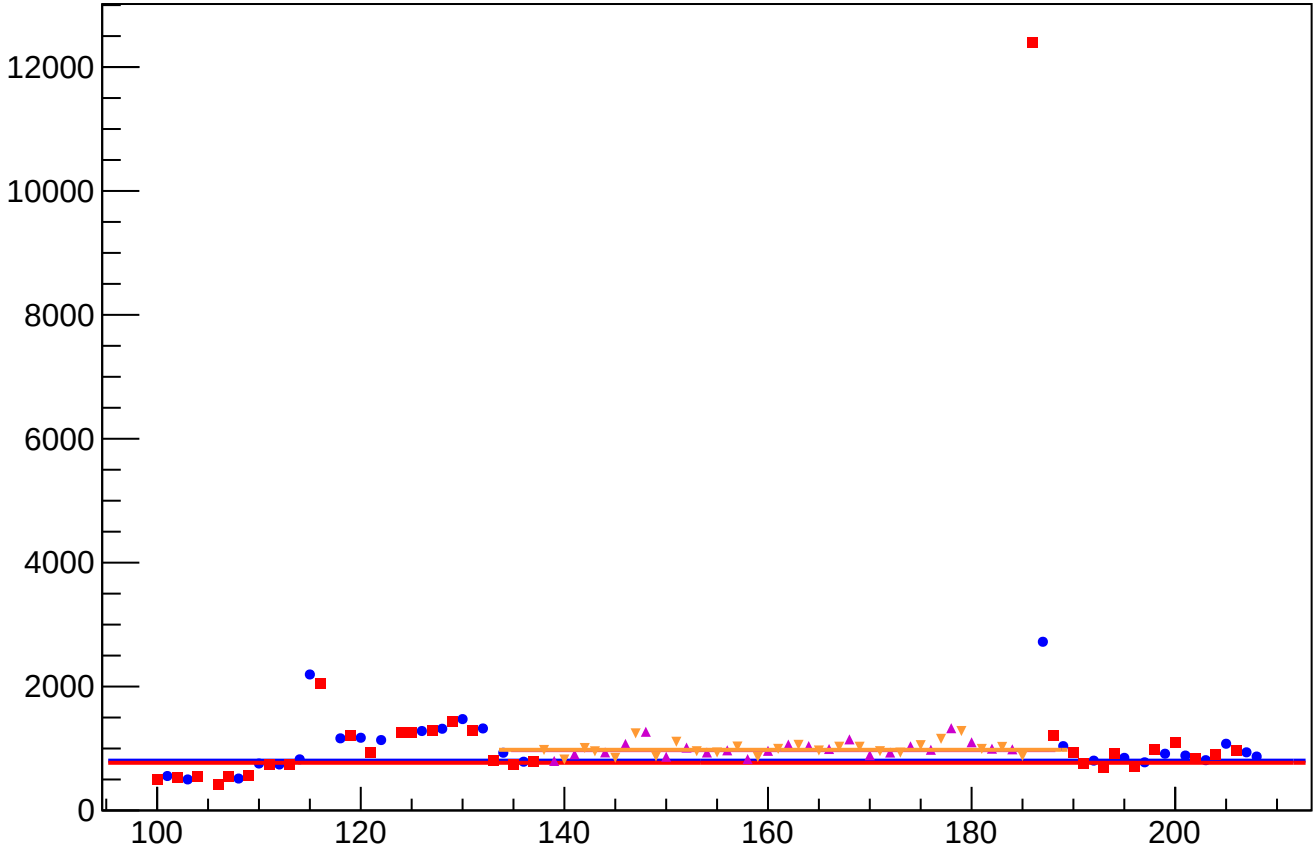
Right: 195.462+/-146.498 χ^2/NDF: 50.8/57

In: 20.309+/-155.746 χ^2/NDF:54.8/49

Out: 48.268+/-150.518 χ^2/NDF:52.4/55

All: 34.766+/-108.233 χ^2/NDF: 107.2/105

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

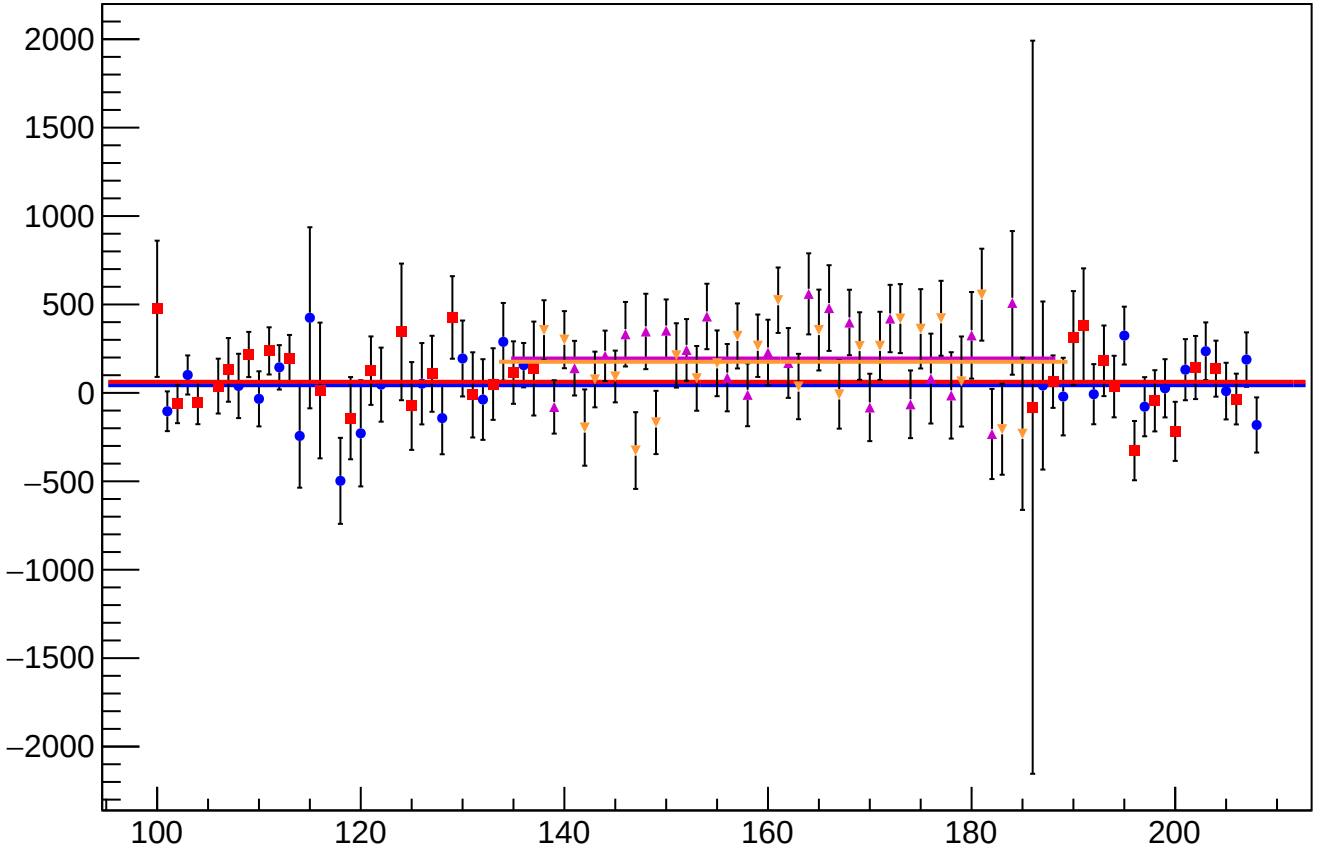
Right: 786.016+/-0.104 χ^2/NDF: 5862540.3/57

In: 881.996+/-0.110 χ^2/NDF:3470274.8/49

Out: 863.707+/-0.106 χ^2/NDF:4843061.4/55

All: 872.540+/-0.077 χ^2/NDF: 8327596.7/105

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.454+/-33.458 χ^2/NDF: 22.0/26

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 62.729+/-32.261 χ^2/NDF: 24.0/30

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

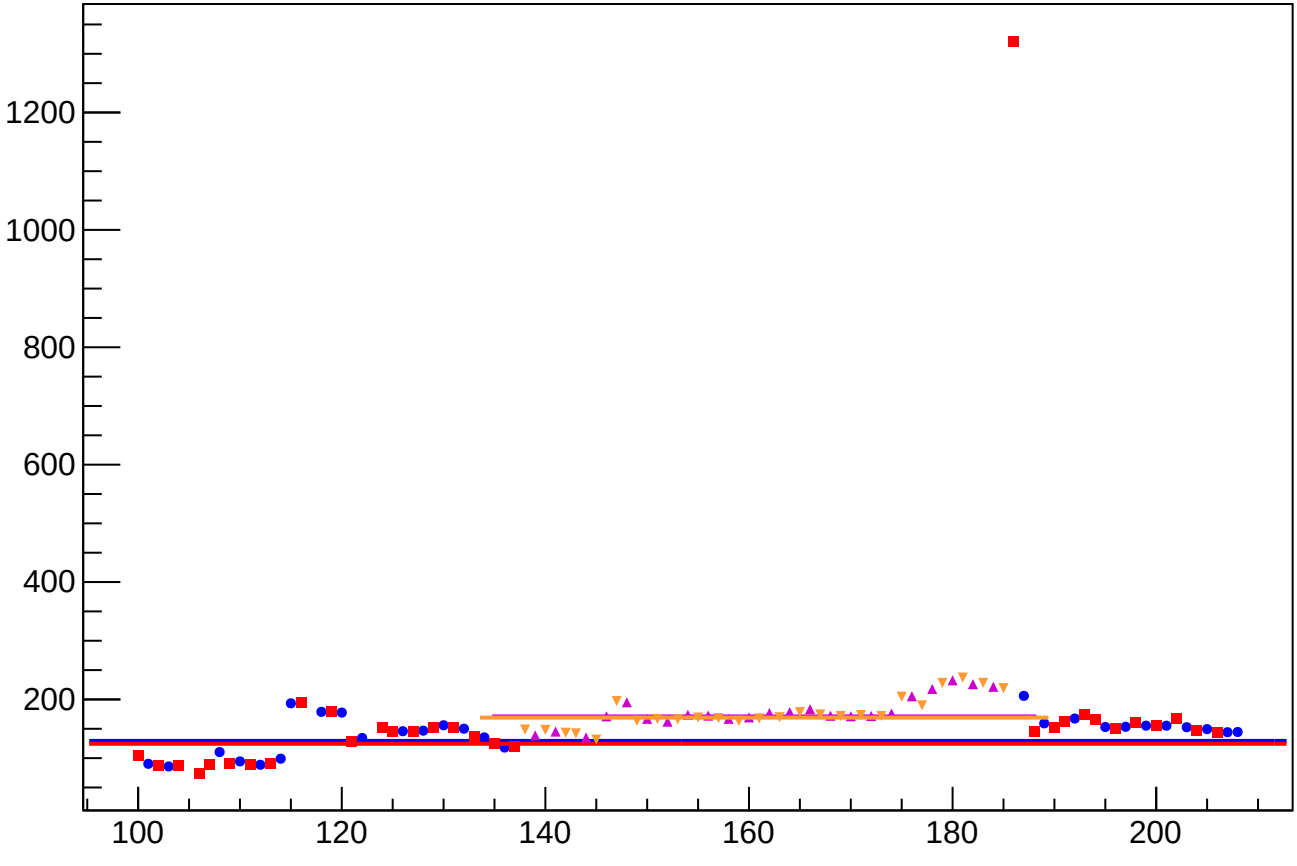
Right: 53.443+/-23.223 χ^2/NDF: 46.1/57

In: 104.861+/-25.764 χ^2/NDF:54.1/49

Out: 108.981+/-24.816 χ^2/NDF:59.8/55

All: 106.998+/-17.873 χ^2/NDF: 113.9/105

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 129.369+/-0.024 χ^2/NDF: 1639092.7/26

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815232.0/30

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

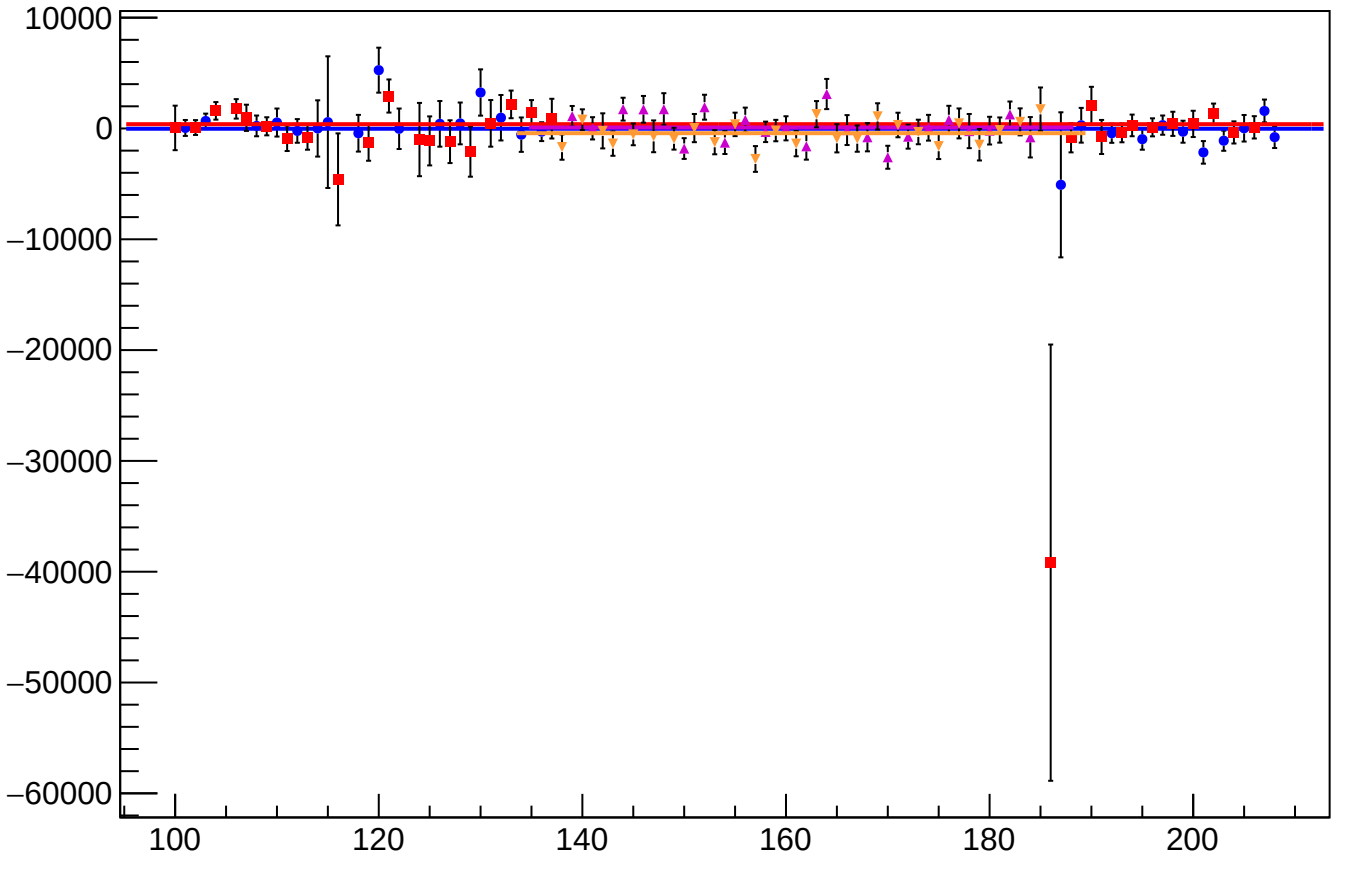
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 126.831+/-0.016 χ^2/NDF: 4476522.7/57

In: 146.322+/-0.018 χ^2/NDF:3578846.5/49

Out: 142.656+/-0.018 χ^2/NDF:5145421.4/55

All: 144.420+/-0.013 χ^2/NDF: 8745272.9/105



Right In: -24.918+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 386.401+/-209.436 χ^2/NDF: 27.7/30

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

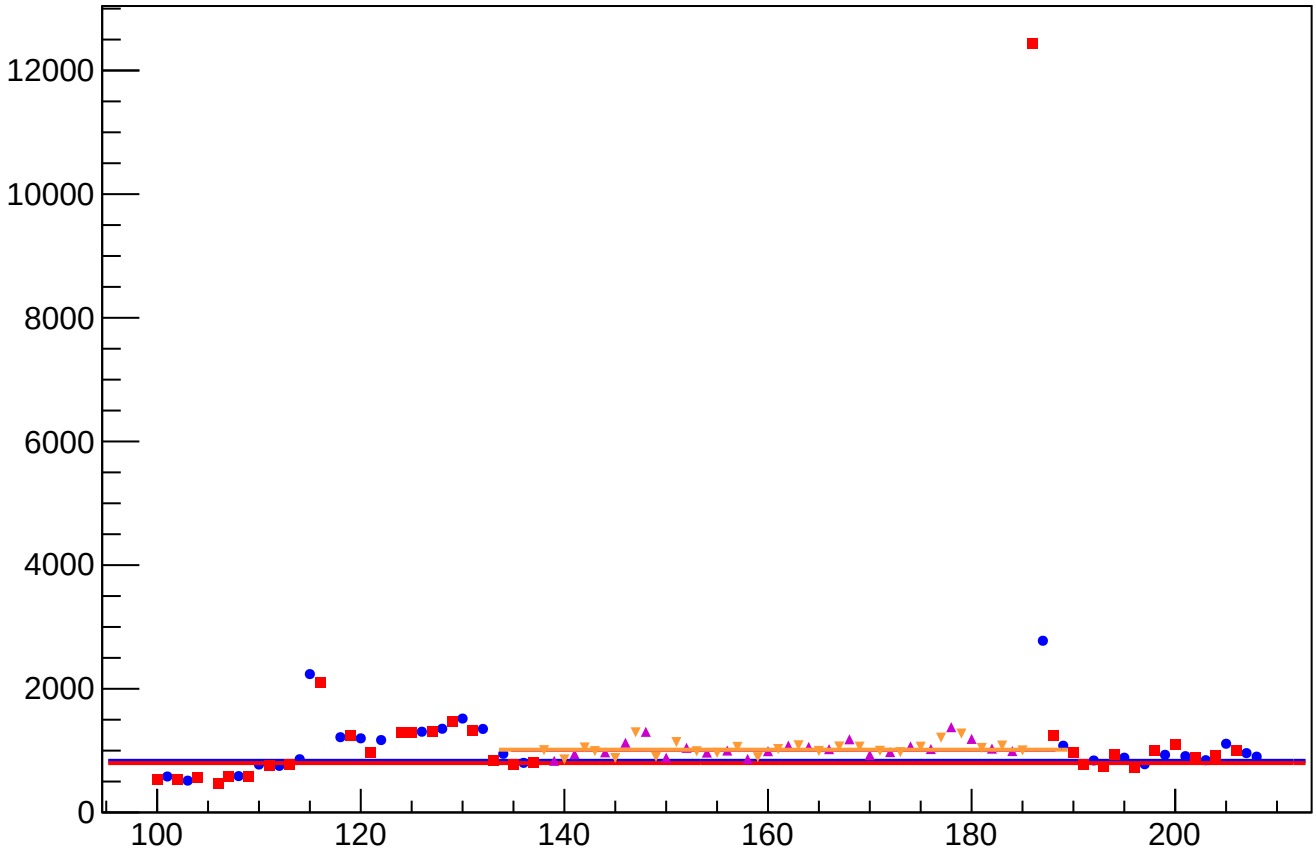
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 190.177+/-151.453 χ^2/NDF: 51.8/57

In: 26.194+/-161.313 χ^2/NDF:54.7/49

Out: 22.669+/-155.629 χ^2/NDF:52.9/55

All: 24.368+/-112.002 χ^2/NDF: 107.6/105



Right In: 834.896+/-0.155 χ^2/NDF: 2245861.4/26

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295363.4/30

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

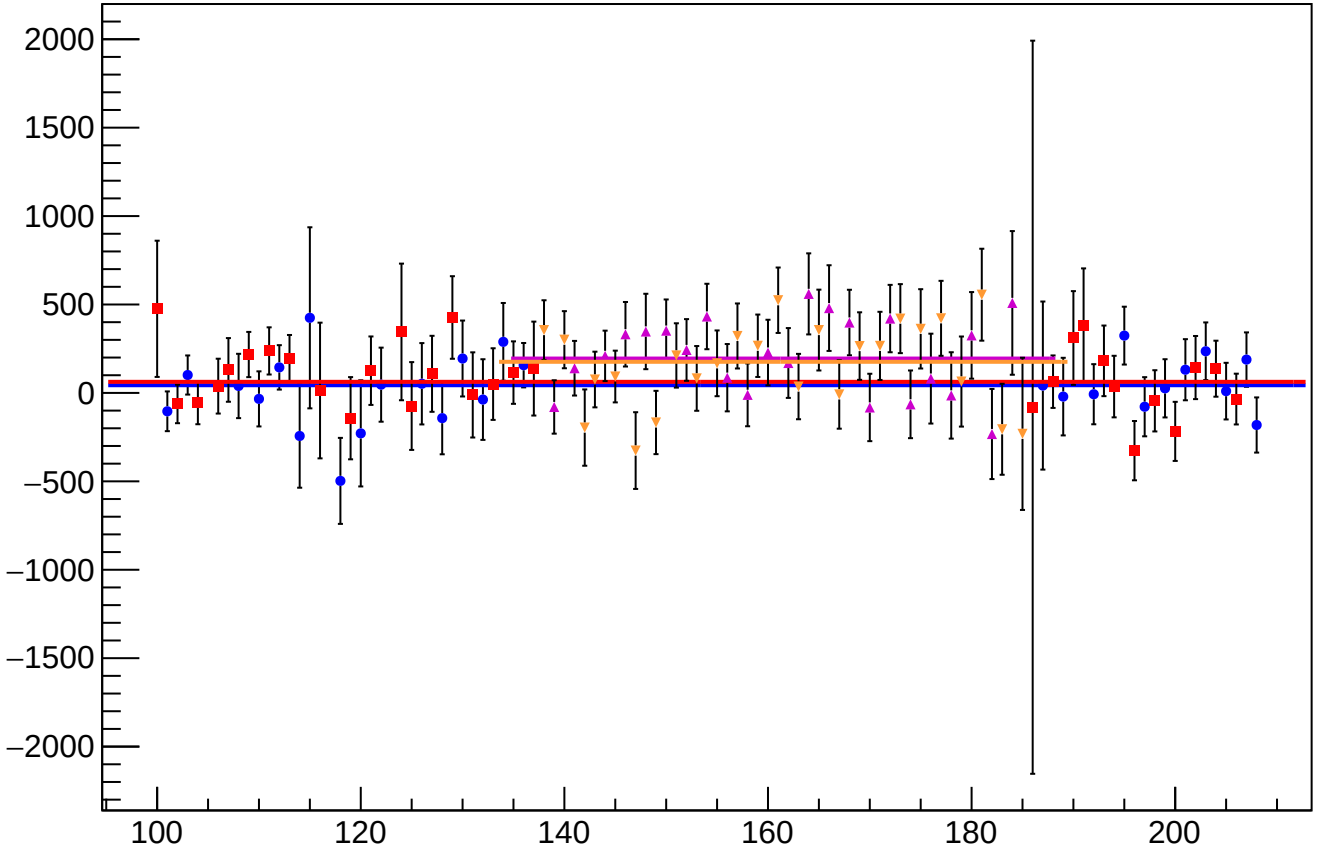
Right: 815.865+/-0.107 χ^2/NDF: 5570032.3/57

In: 915.083+/-0.114 χ^2/NDF:3327598.6/49

Out: 895.477+/-0.110 χ^2/NDF:4650785.1/55

All: 904.928+/-0.079 χ^2/NDF: 7993685.4/105

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.454+/-33.457 χ^2/NDF: 22.0/26

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 62.730+/-32.261 χ^2/NDF: 24.0/30

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

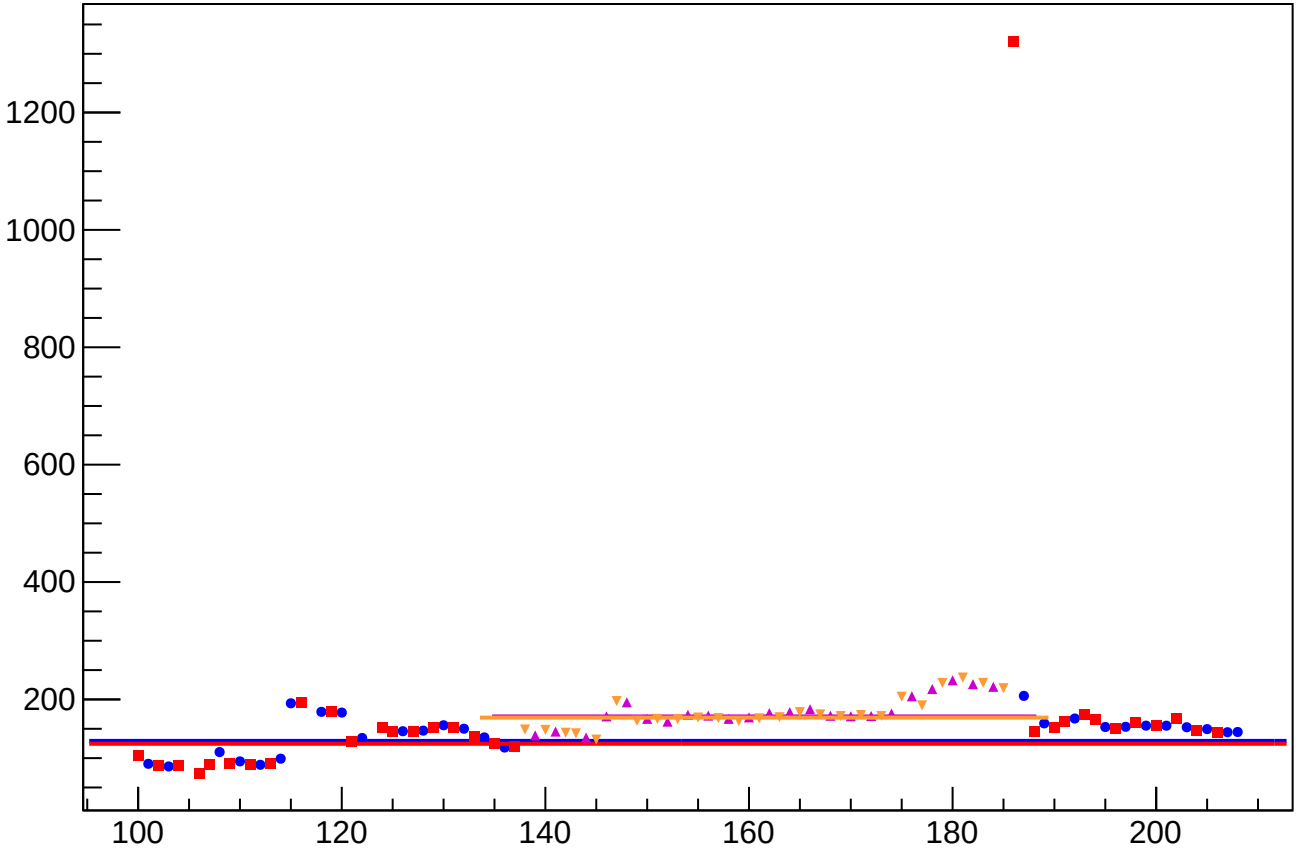
Right: 53.442+/-23.223 χ^2/NDF: 46.1/57

In: 104.861+/-25.764 χ^2/NDF:54.1/49

Out: 108.981+/-24.816 χ^2/NDF:59.8/55

All: 106.998+/-17.873 χ^2/NDF: 113.9/105

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 129.368+/-0.024 χ^2/NDF: 1639097.9/26

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815235.5/30

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

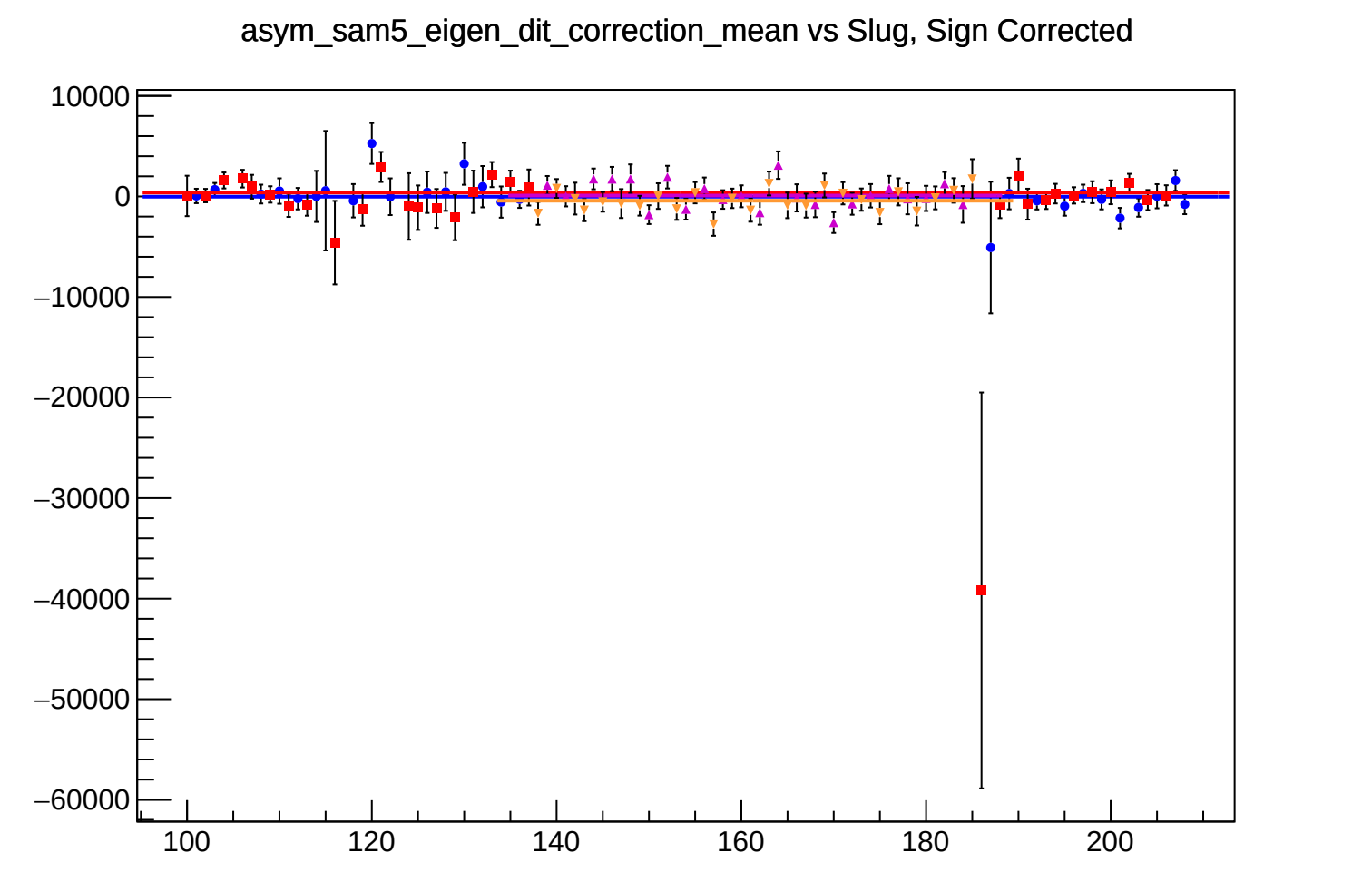
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 126.831+/-0.016 χ^2/NDF: 4476530.4/57

In: 146.322+/-0.018 χ^2/NDF:3578875.7/49

Out: 142.656+/-0.018 χ^2/NDF:5145434.0/55

All: 144.420+/-0.013 χ^2/NDF: 8745314.3/105



Right In: -24.917+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 386.401+/-209.436 χ^2/NDF: 27.7/30

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

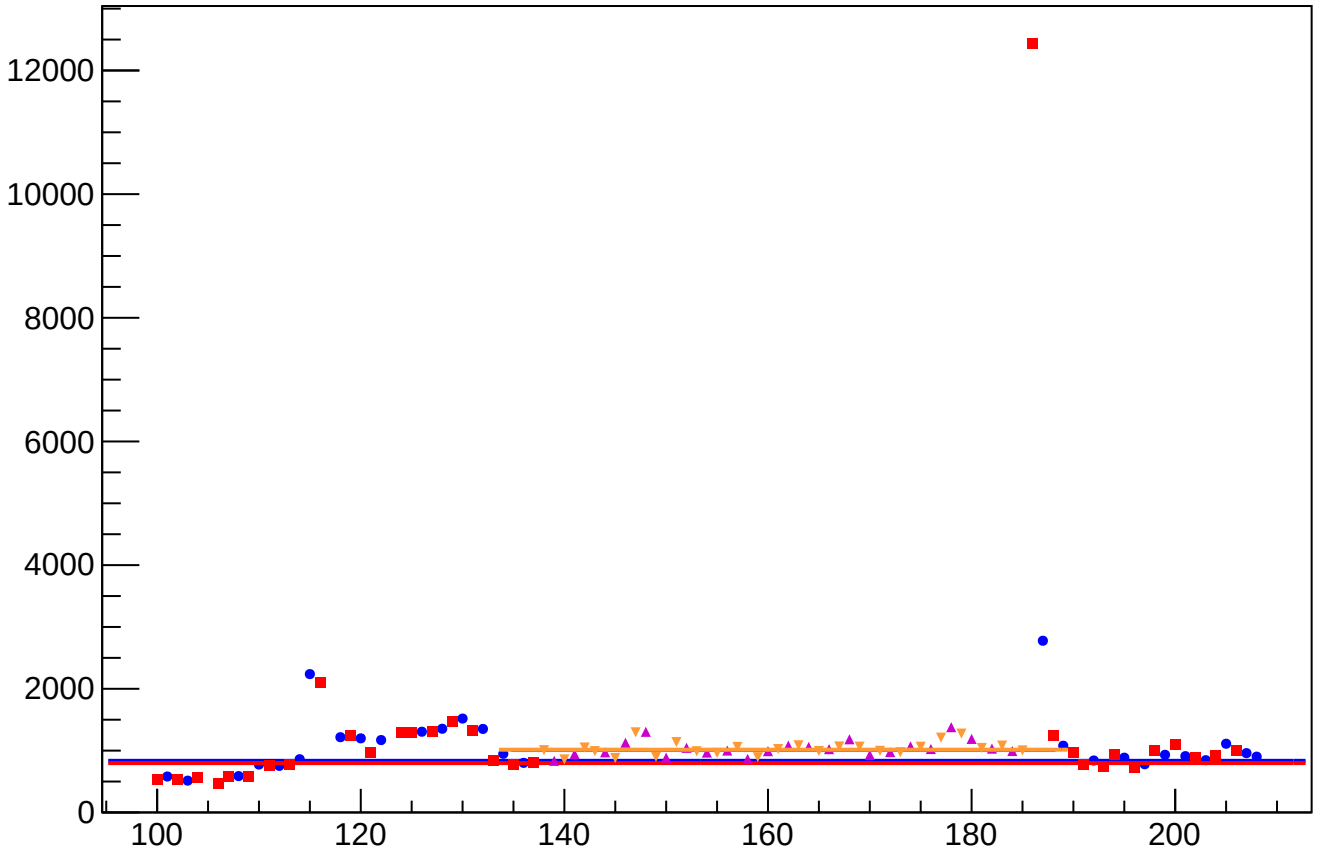
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 190.177+/-151.453 χ^2/NDF: 51.8/57

In: 26.195+/-161.313 χ^2/NDF:54.7/49

Out: 22.670+/-155.629 χ^2/NDF:52.9/55

All: 24.369+/-112.002 χ^2/NDF: 107.6/105



Right In: 834.895+/-0.155 χ^2/NDF: 2245860.9/26

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295370.5/30

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

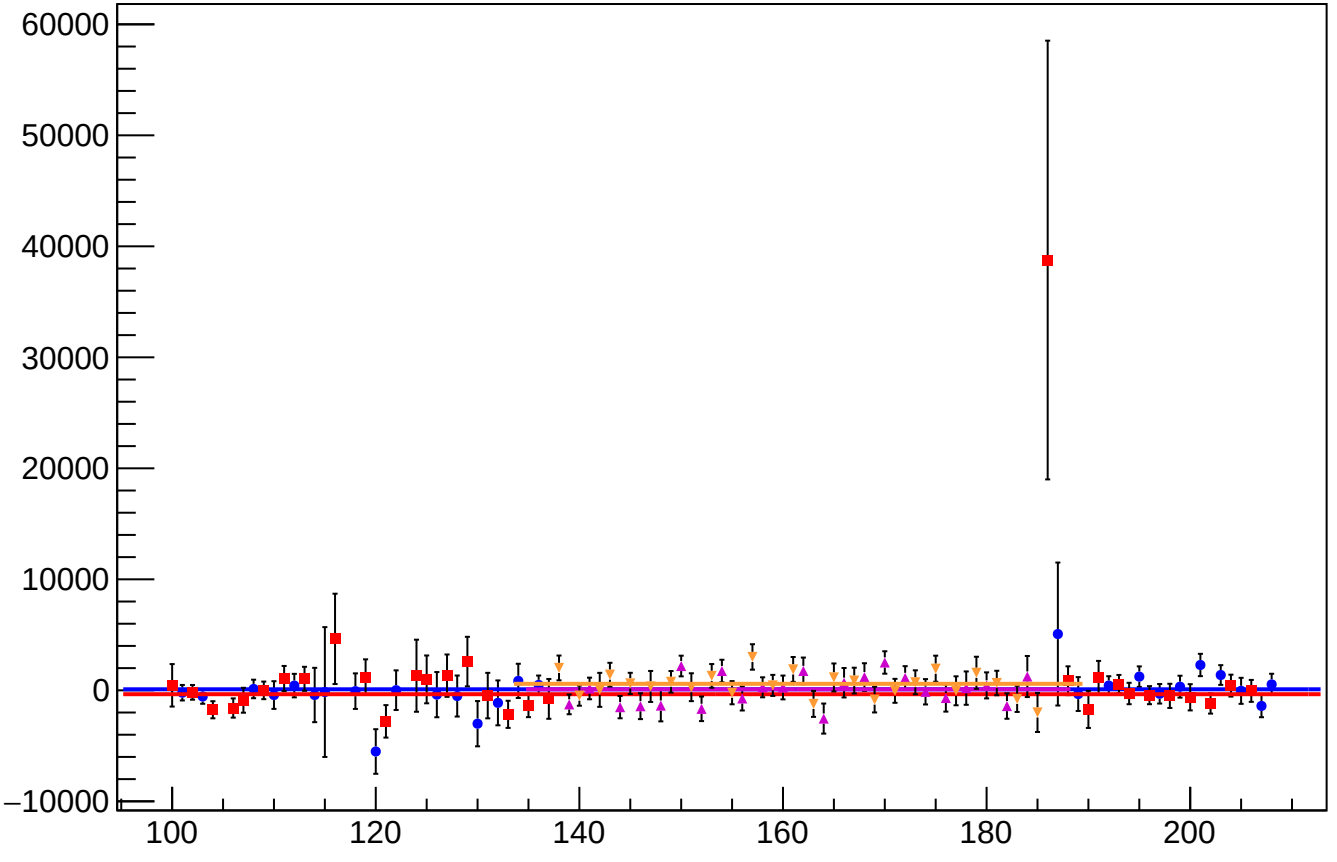
Right: 815.865+/-0.107 χ^2/NDF: 5570038.4/57

In: 915.083+/-0.114 χ^2/NDF:3327611.2/49

Out: 895.477+/-0.110 χ^2/NDF:4650803.0/55

All: 904.929+/-0.079 χ^2/NDF: 7993715.7/105

asym_sam5_mean vs Slug, Sign Corrected



Right In: 92.796+/-214.374 χ^2/NDF: 24.5/26

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -349.831+/-205.403 χ^2/NDF: 30.1/30

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

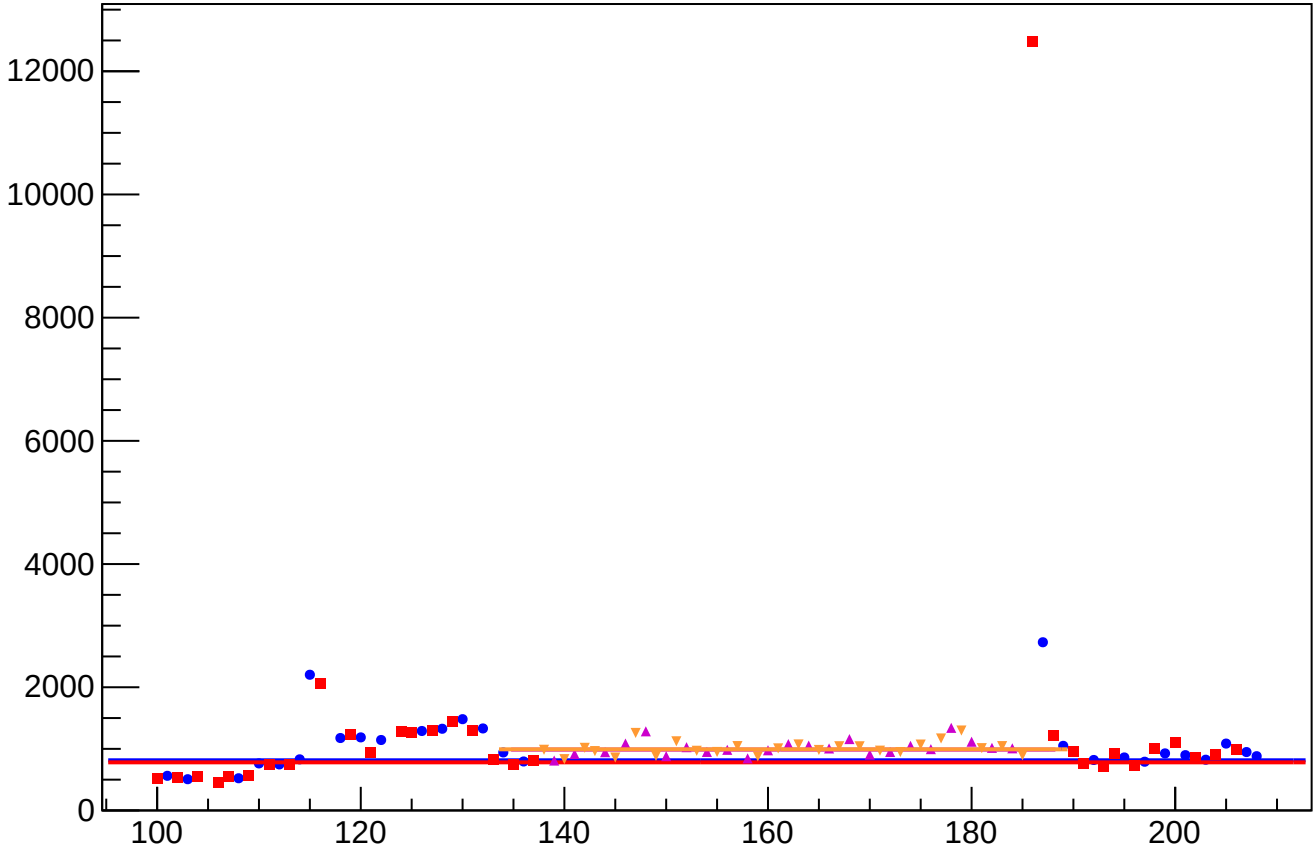
Right: -137.972+/-148.312 χ^2/NDF: 56.8/57

In: 92.746+/-157.766 χ^2/NDF:59.1/49

Out: 70.352+/-152.483 χ^2/NDF:60.2/55

All: 81.168+/-109.642 χ^2/NDF: 119.3/105

asym_sam5_rms vs Slug, Sign Corrected



Right In: 814.217+/-0.152 χ^2/NDF: 2354498.0/26

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 781.158+/-0.145 χ^2/NDF: 3384068.5/30

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

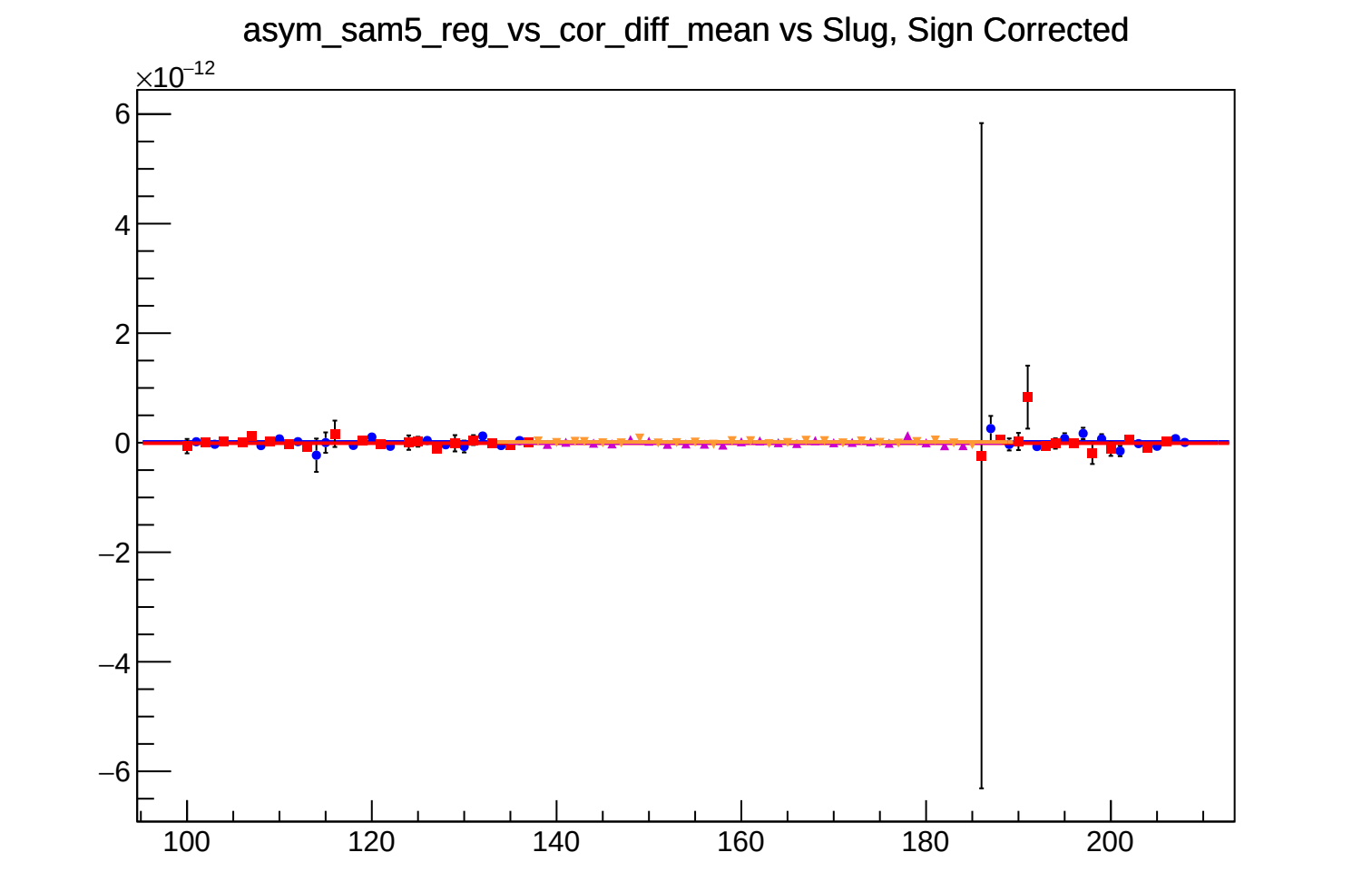
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 796.981+/-0.105 χ^2/NDF: 5763363.4/57

In: 893.779+/-0.112 χ^2/NDF:3443216.9/49

Out: 876.052+/-0.108 χ^2/NDF:4759884.1/55

All: 884.614+/-0.078 χ^2/NDF: 8216156.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/30

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

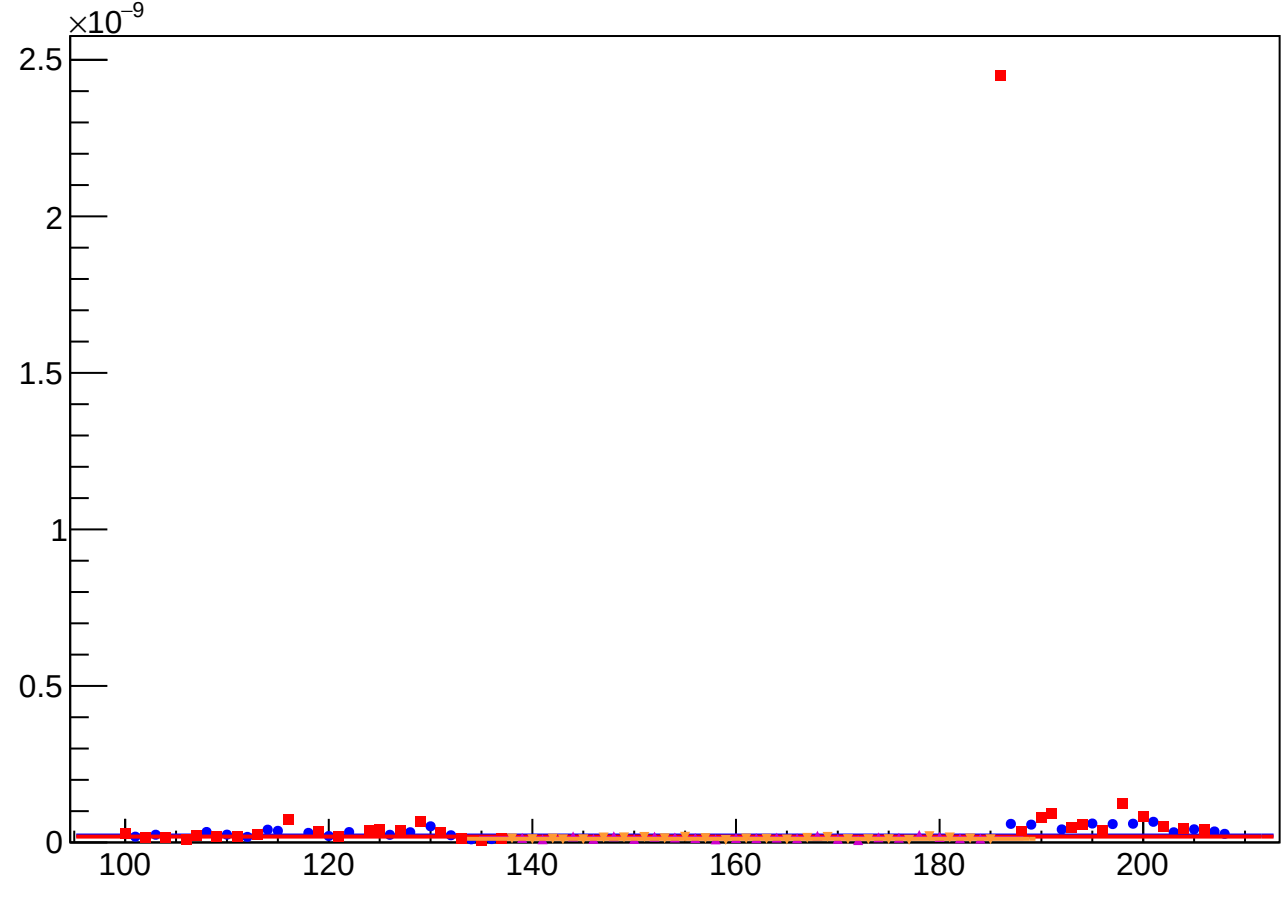
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 55.4/57

In: 0.000+/-0.000 χ^2/NDF:60.4/49

Out: 0.000+/-0.000 χ^2/NDF:50.7/55

All: 0.000+/-0.000 χ^2/NDF: 112.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 3697386.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5778481.0/30

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

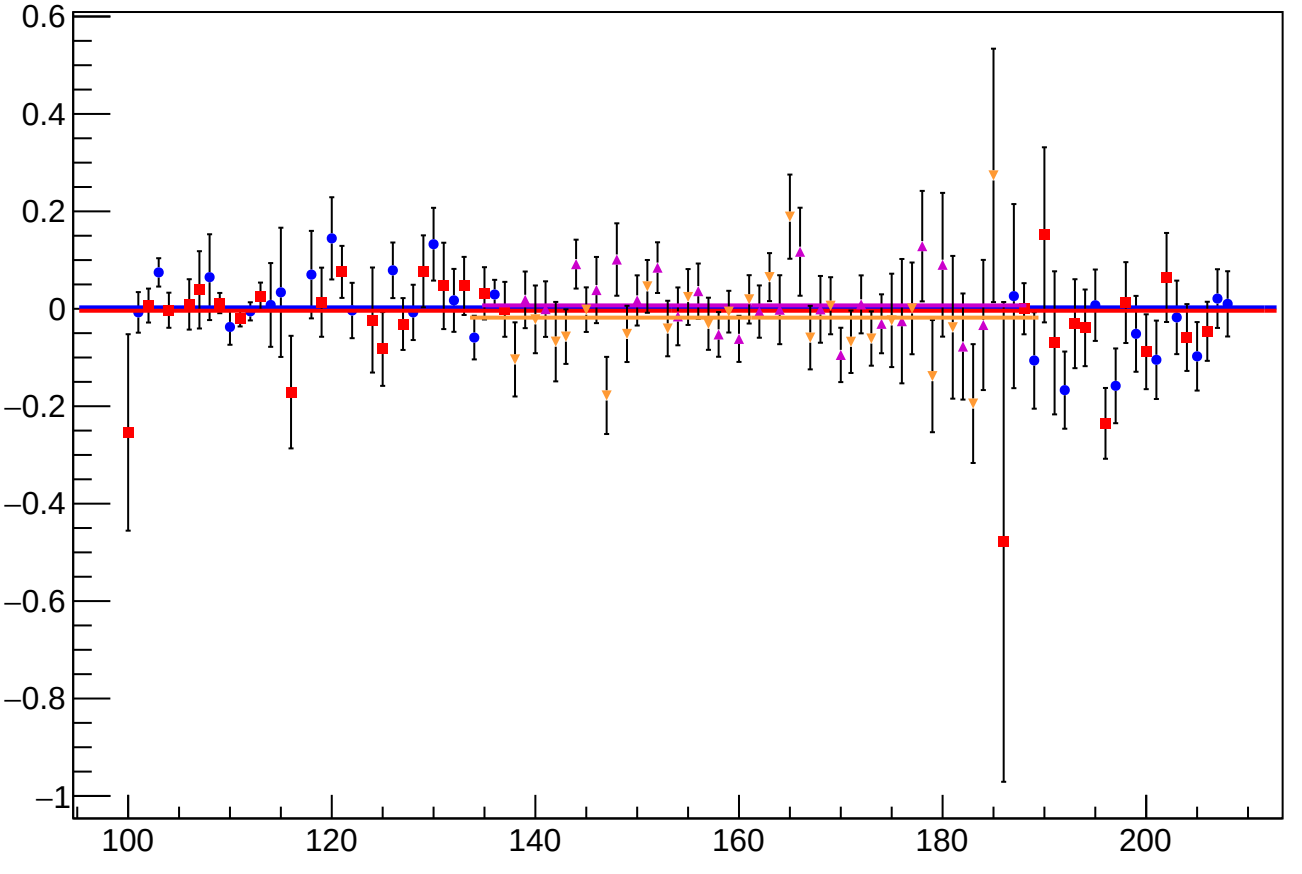
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9615404.2/57

In: 0.000+/-0.000 χ^2/NDF:5825390.0/49

Out: 0.000+/-0.000 χ^2/NDF:7548918.7/55

All: 0.000+/-0.000 χ^2/NDF: 13642662.9/105



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

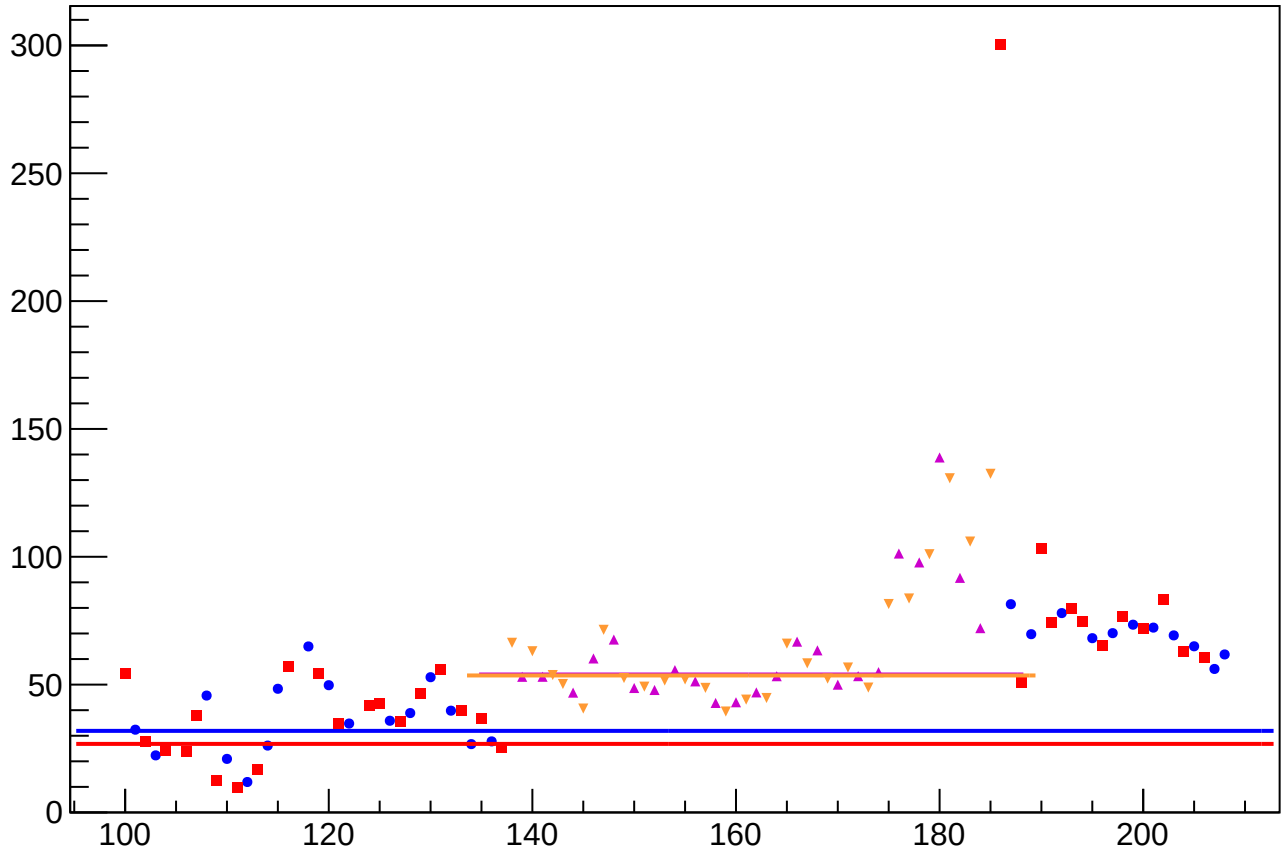
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.3/57

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.4/105



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

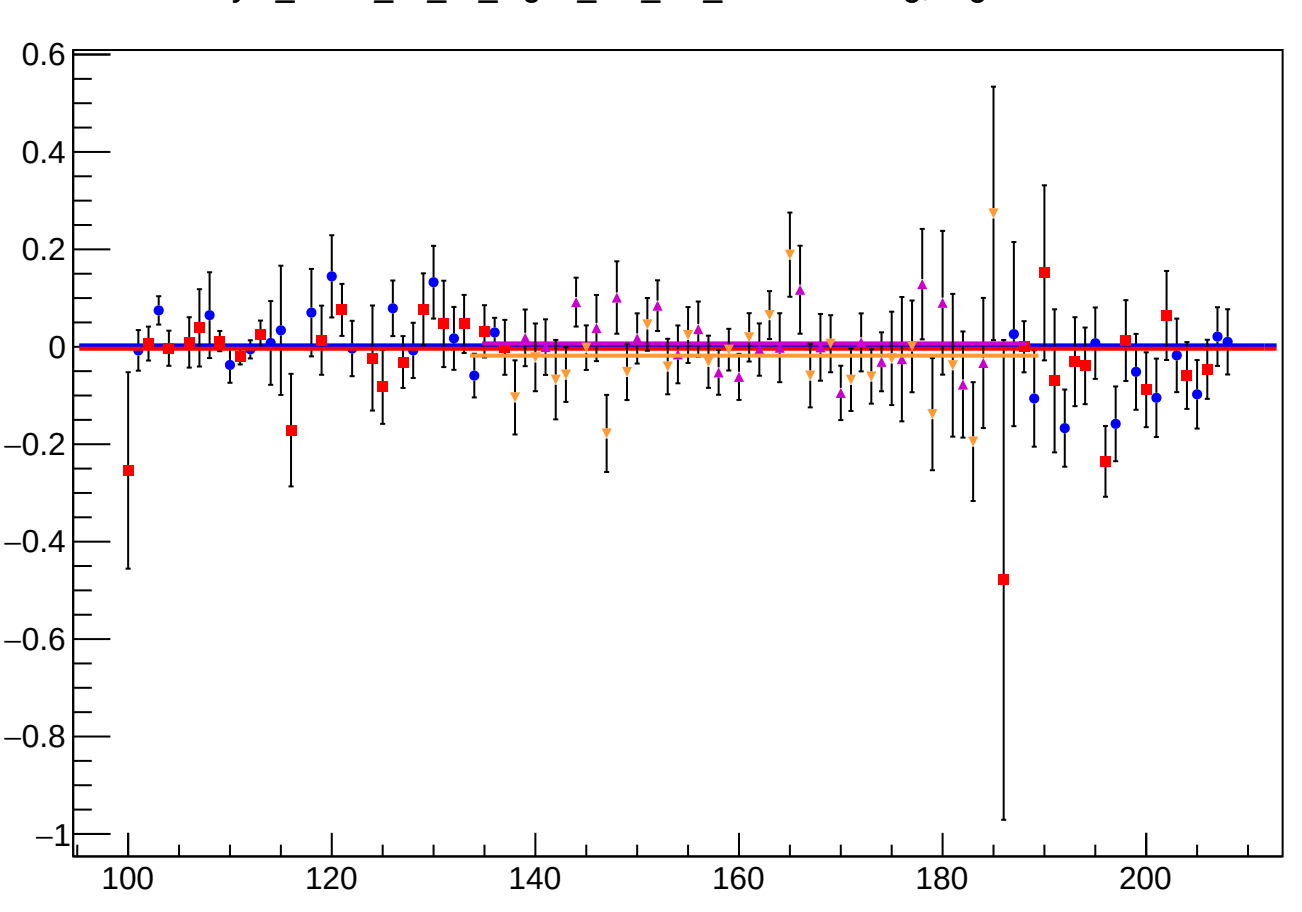
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 29.066+/-0.005 χ^2/NDF: 20036600.7/57

In: 39.584+/-0.006 χ^2/NDF:13947997.0/49

Out: 35.112+/-0.005 χ^2/NDF:20136793.7/55

All: 37.151+/-0.004 χ^2/NDF: 34443886.4/105



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

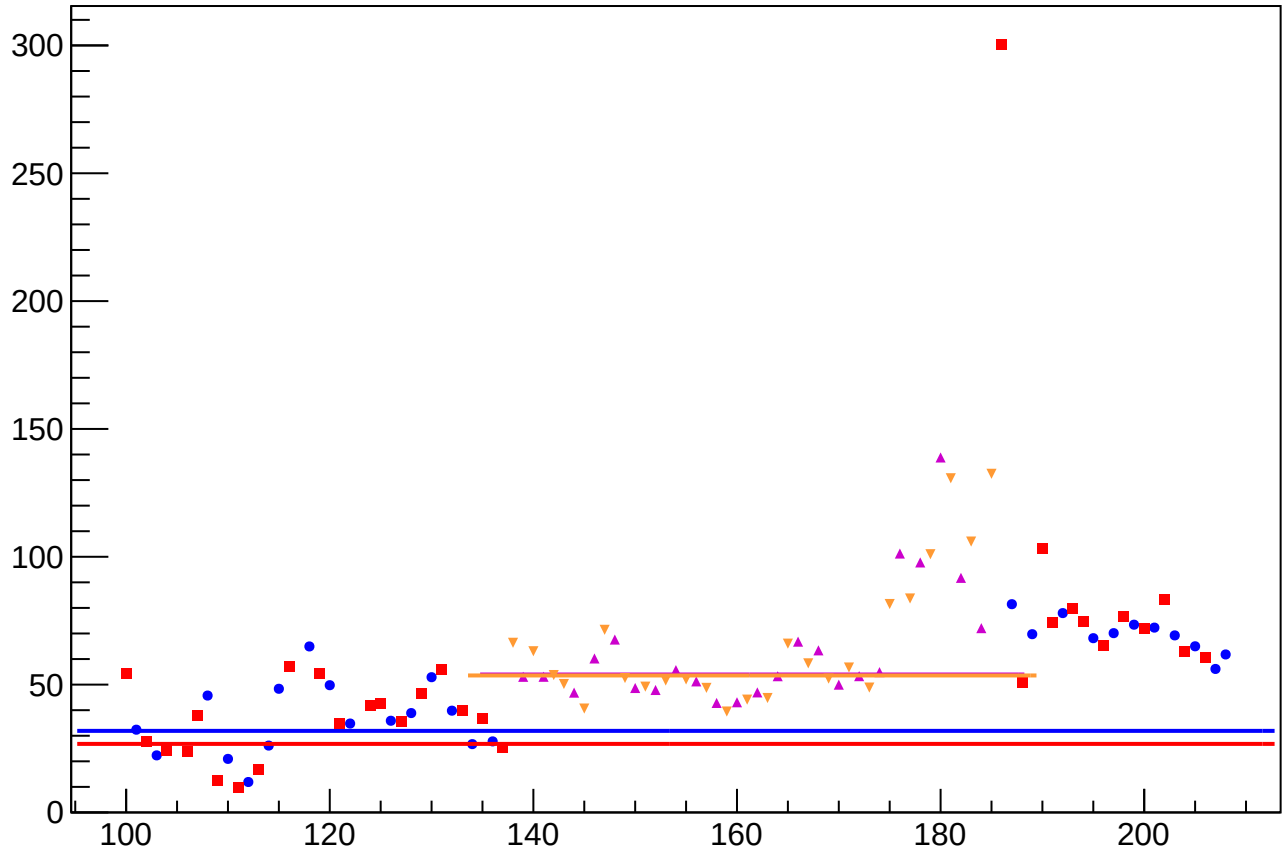
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.3/57

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.4/105



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

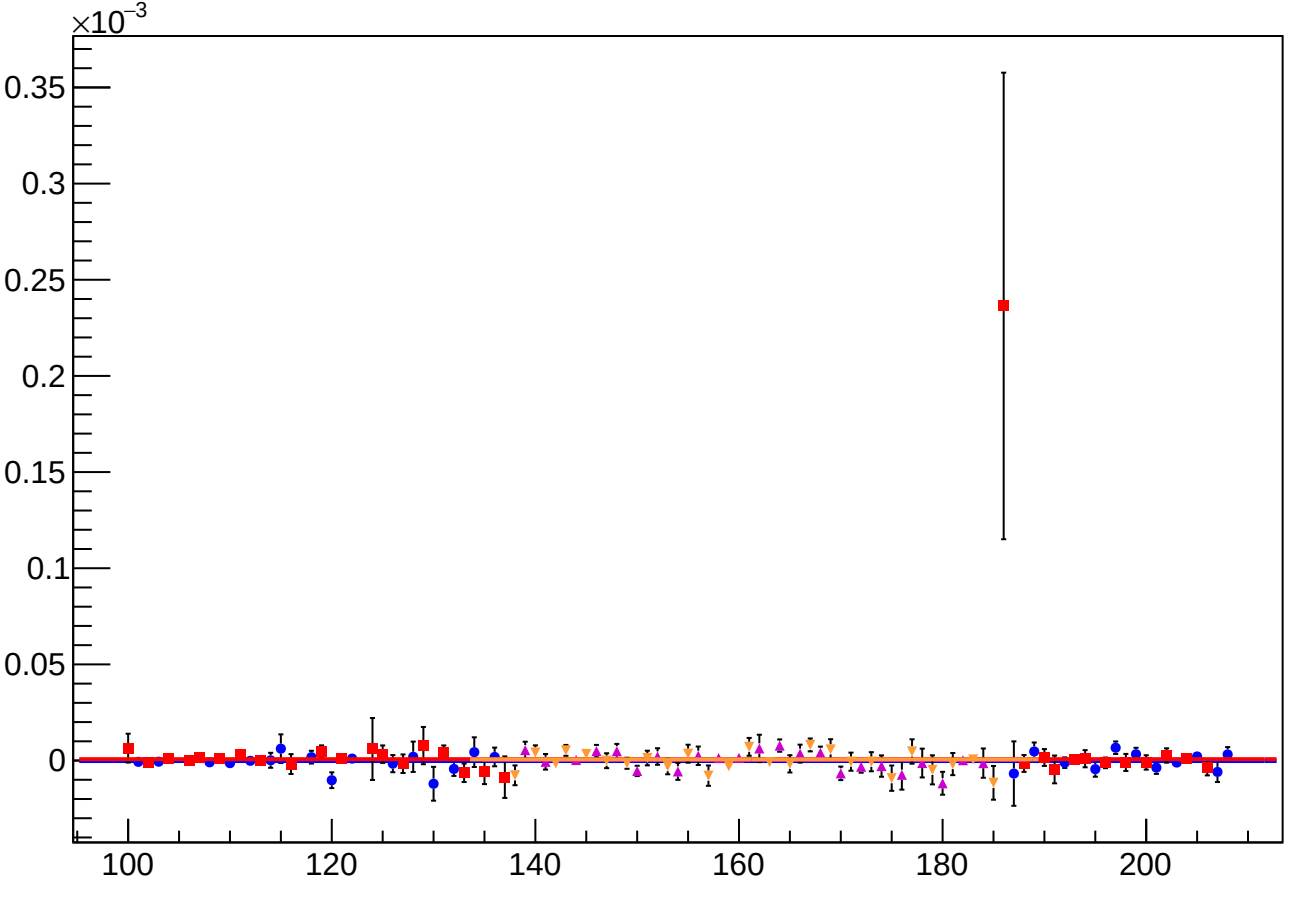
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 29.066+/-0.005 χ^2/NDF: 20036600.7/57

In: 39.584+/-0.006 χ^2/NDF:13947997.0/49

Out: 35.112+/-0.005 χ^2/NDF:20136793.7/55

All: 37.151+/-0.004 χ^2/NDF: 34443886.4/105



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/30

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

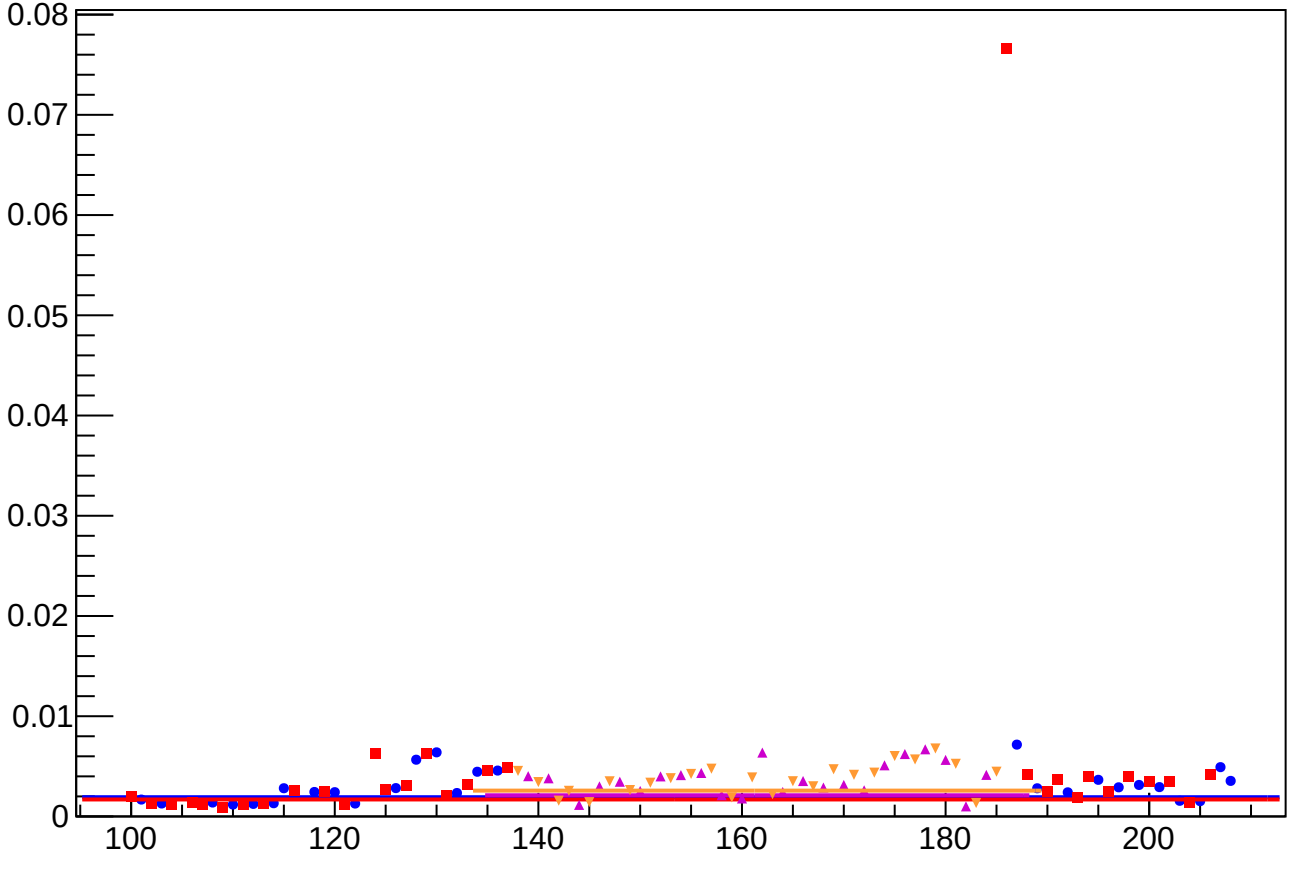
Right: 0.000+/-0.000 χ^2/NDF: 45.1/57

In: 0.000+/-0.000 χ^2/NDF:56.2/49

Out: 0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 107.1/105

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5751528.5/26

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7966625.6/30

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

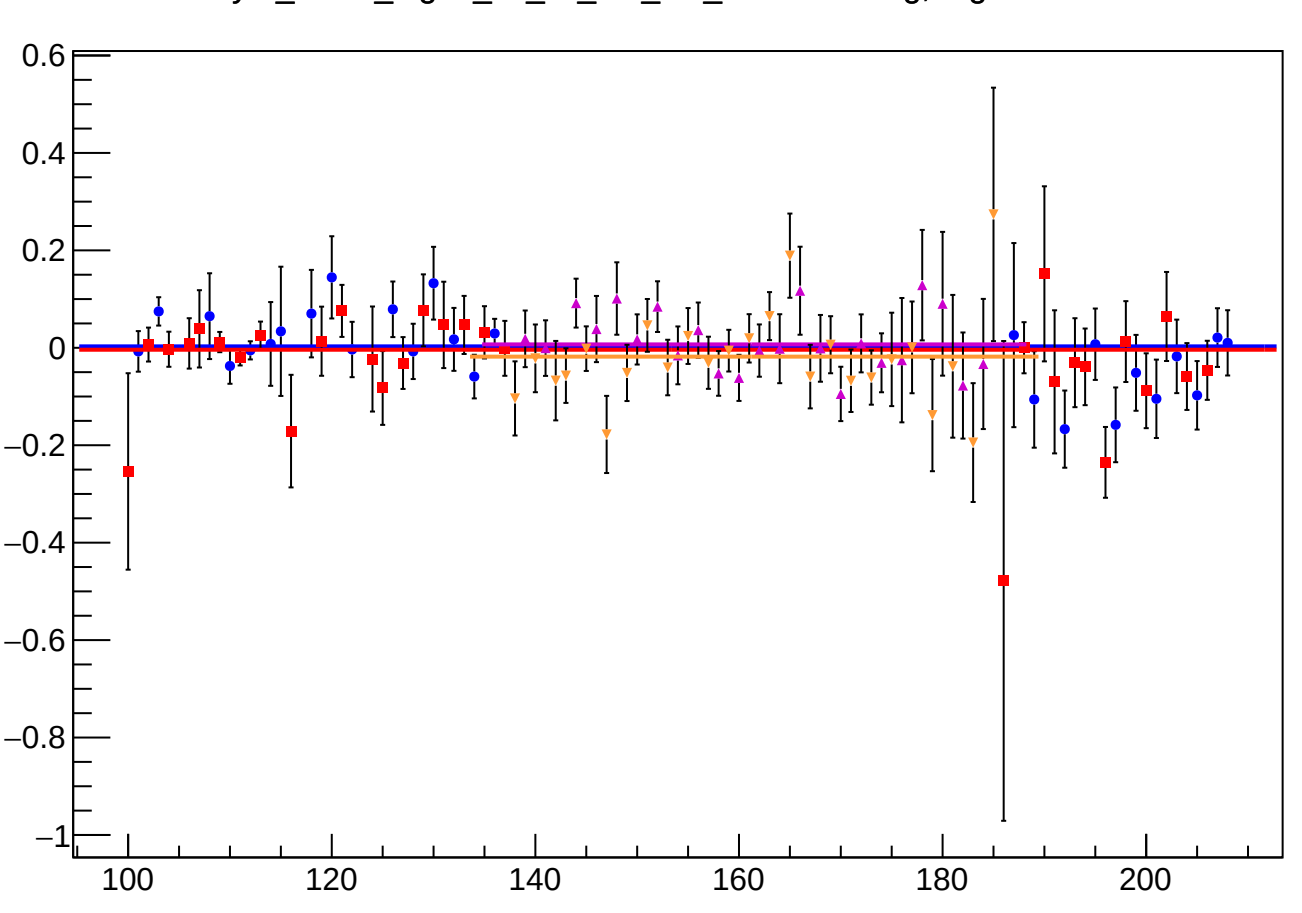
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 13901729.6/57

In: 0.002+/-0.000 χ^2/NDF:15353263.9/49

Out: 0.002+/-0.000 χ^2/NDF:17348165.5/55

All: 0.002+/-0.000 χ^2/NDF: 32701443.2/105



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

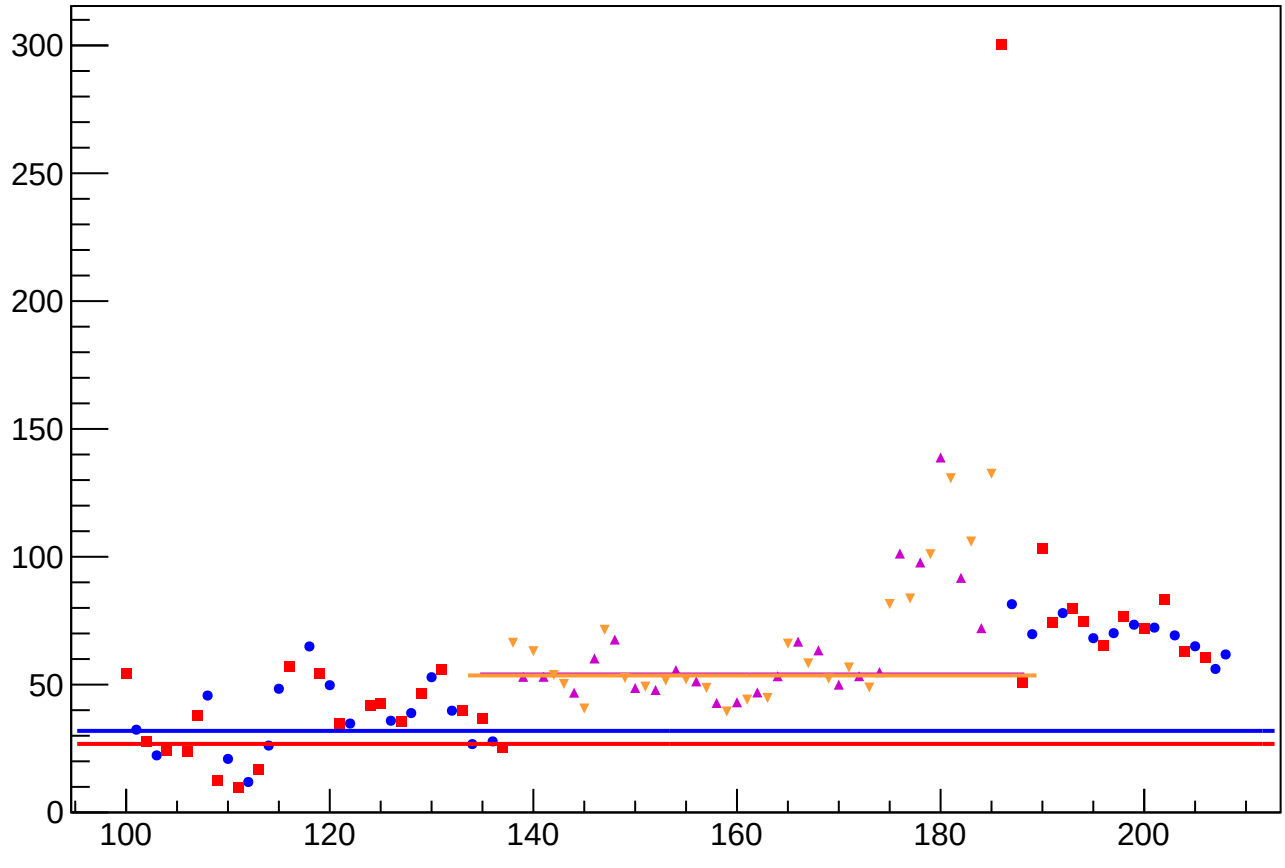
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.3/57

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.4/105



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

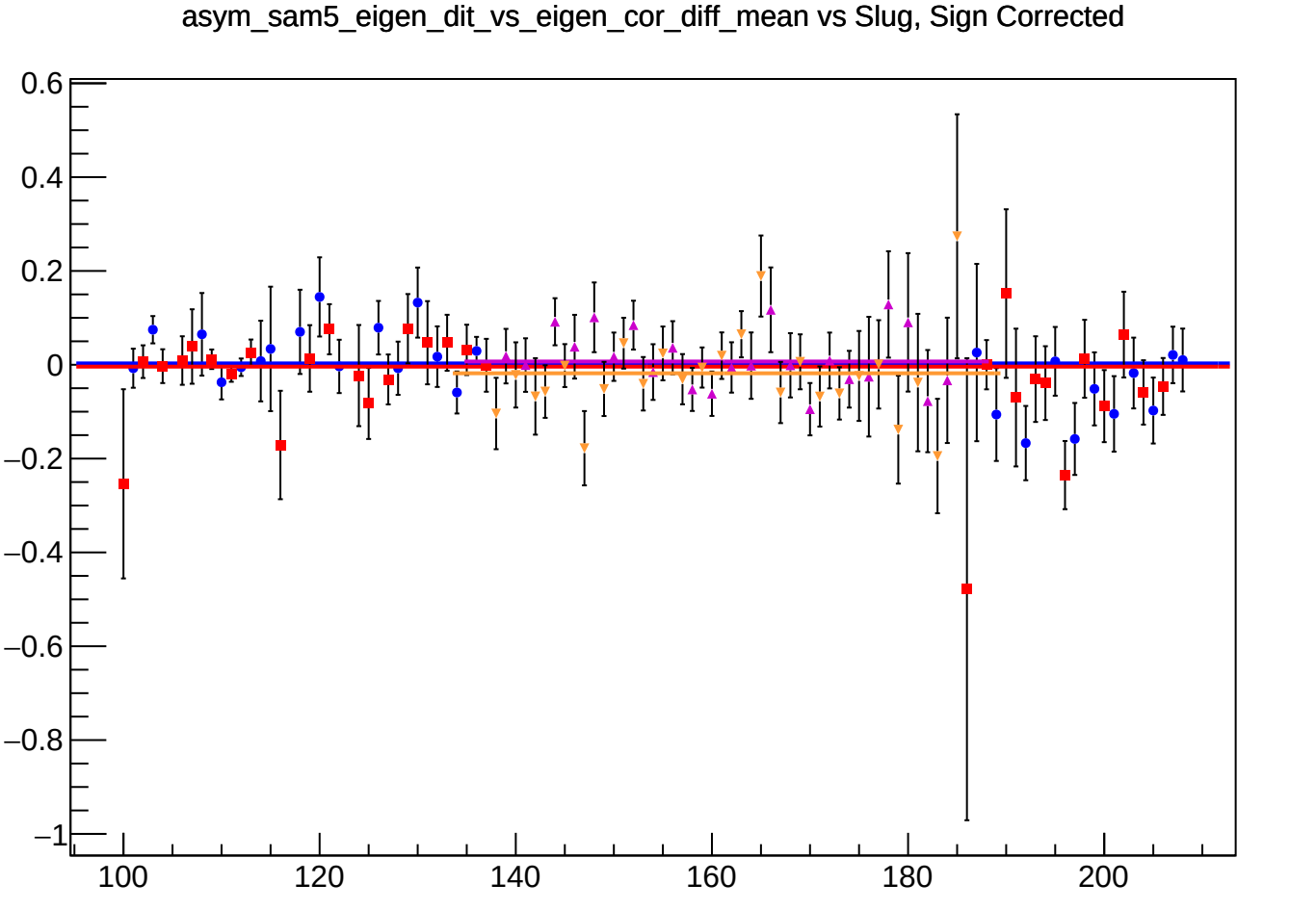
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 29.065+/-0.005 χ^2/NDF: 20036862.7/57

In: 39.583+/-0.006 χ^2/NDF:13948457.3/49

Out: 35.111+/-0.005 χ^2/NDF:20137485.6/55

All: 37.151+/-0.004 χ^2/NDF: 34445060.6/105



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

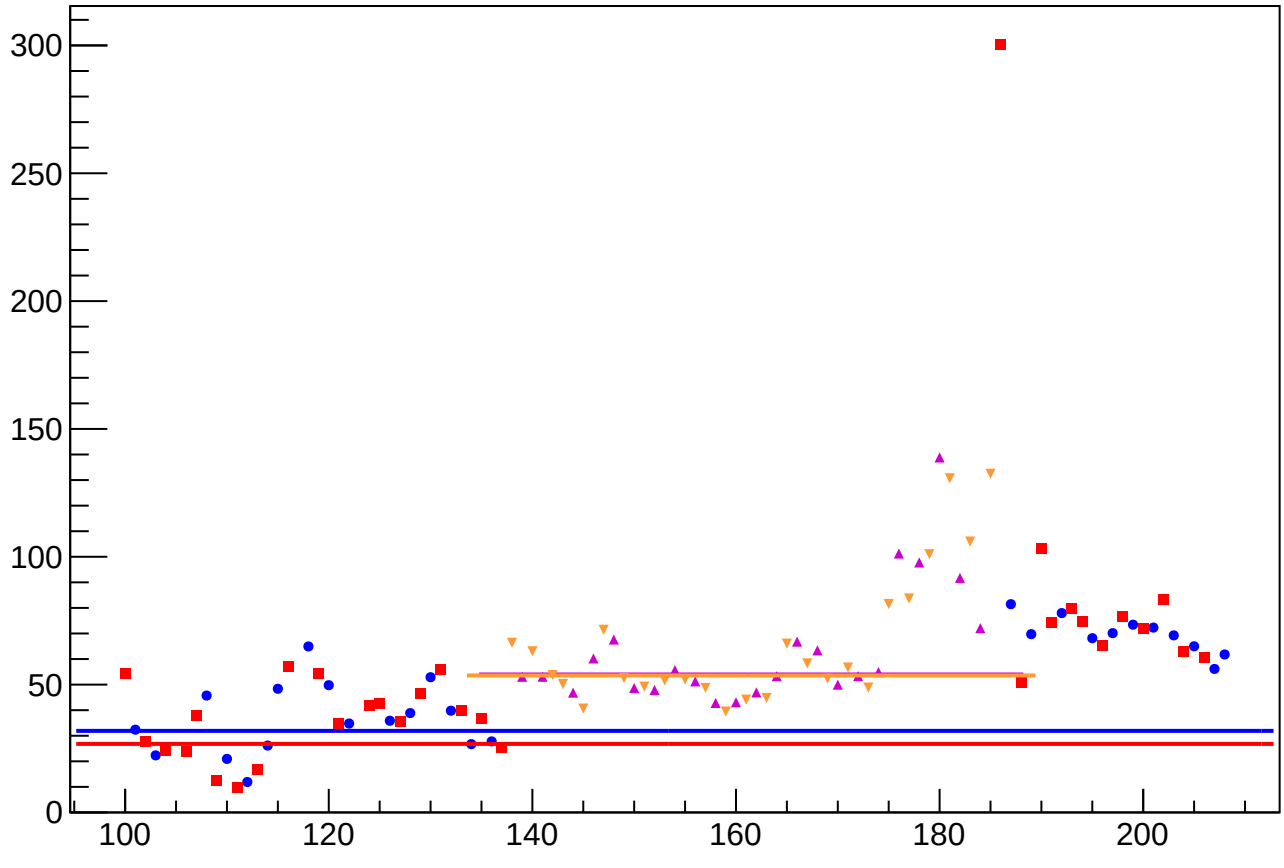
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.3/57

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.4/105



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

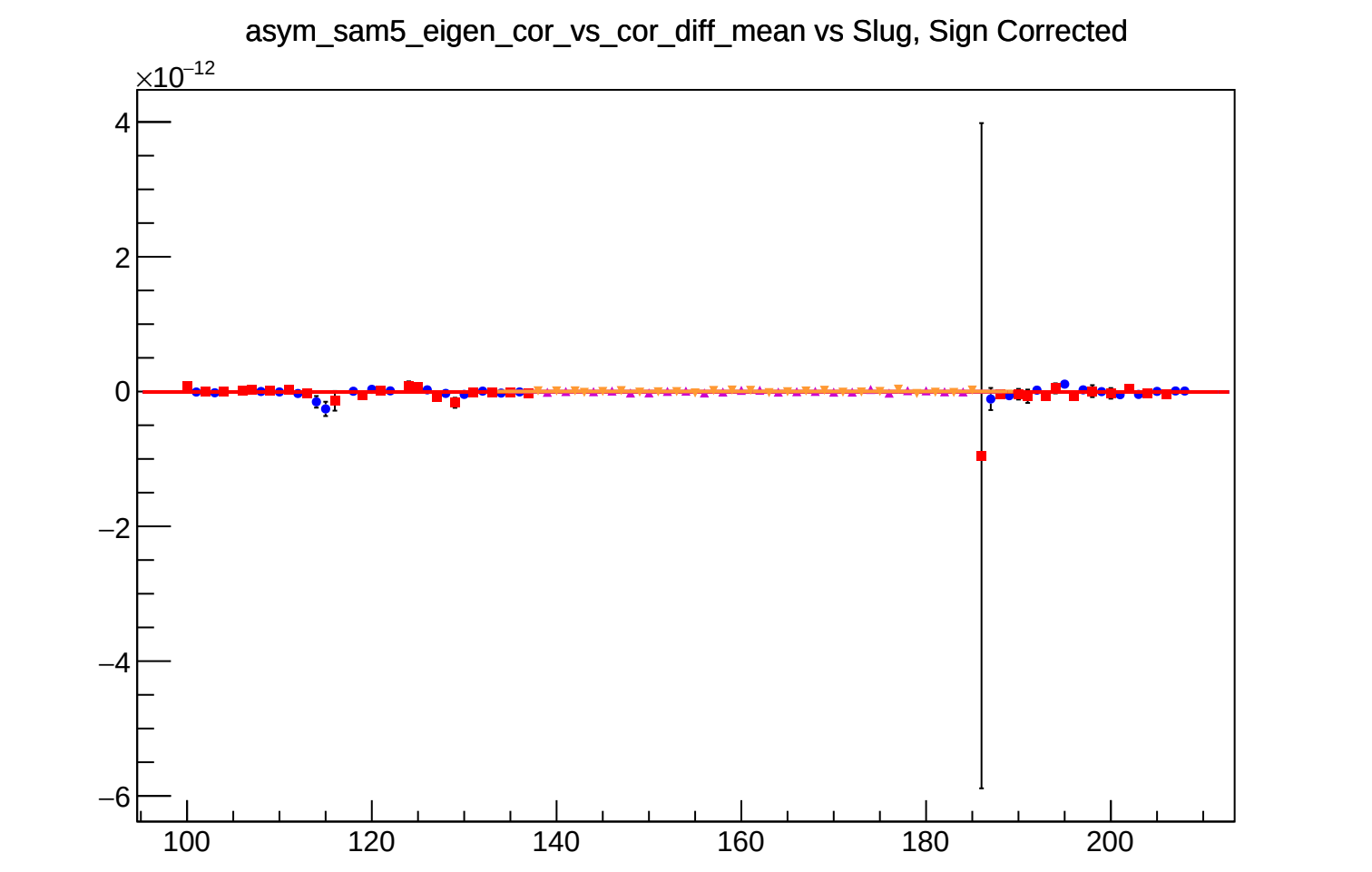
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 29.065+/-0.005 χ^2/NDF: 20036862.7/57

In: 39.583+/-0.006 χ^2/NDF:13948457.3/49

Out: 35.111+/-0.005 χ^2/NDF:20137485.6/55

All: 37.151+/-0.004 χ^2/NDF: 34445060.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/30

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

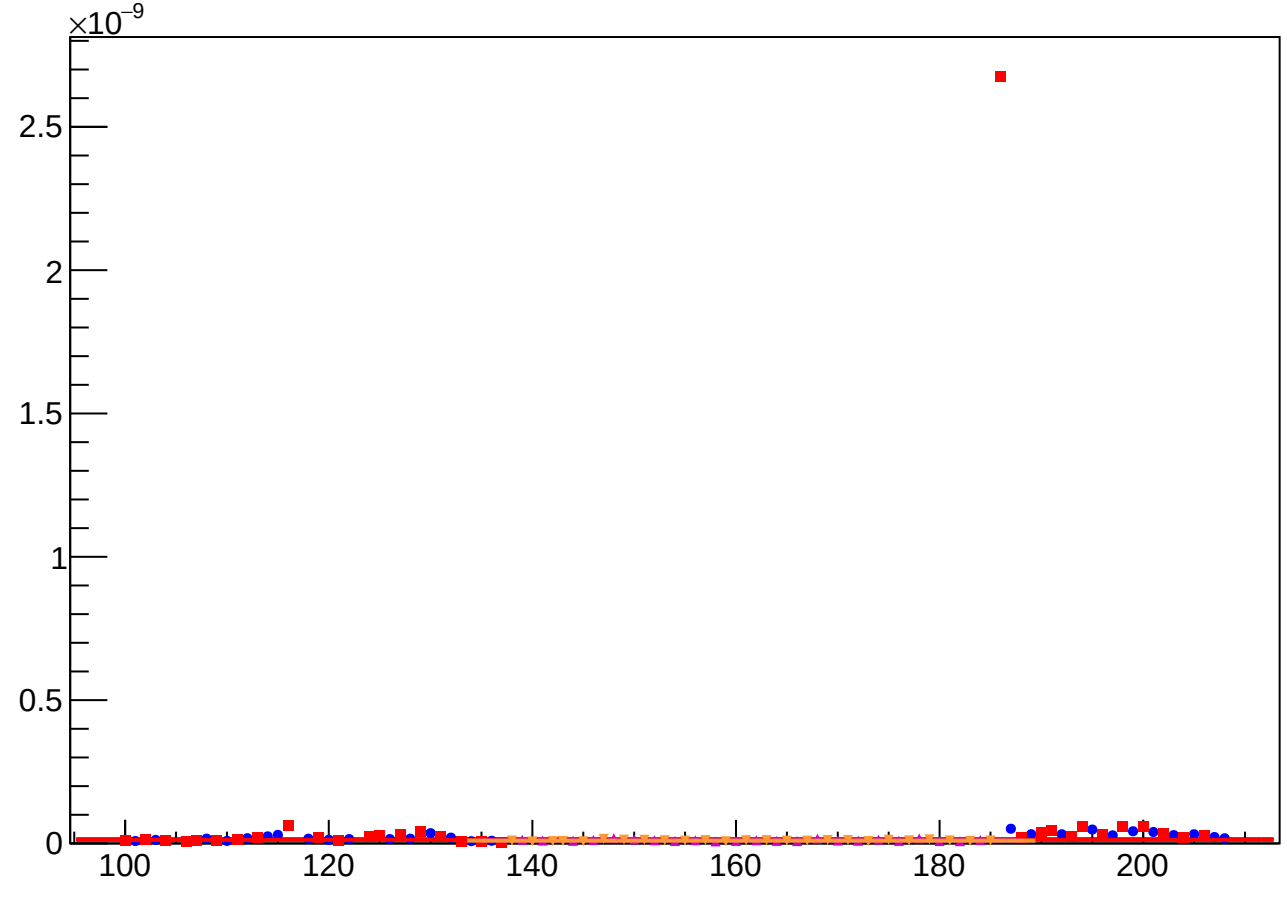
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.5/57

In: -0.000+/-0.000 χ^2/NDF:41.7/49

Out: -0.000+/-0.000 χ^2/NDF:65.4/55

All: -0.000+/-0.000 χ^2/NDF: 107.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 5057756.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7996078.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

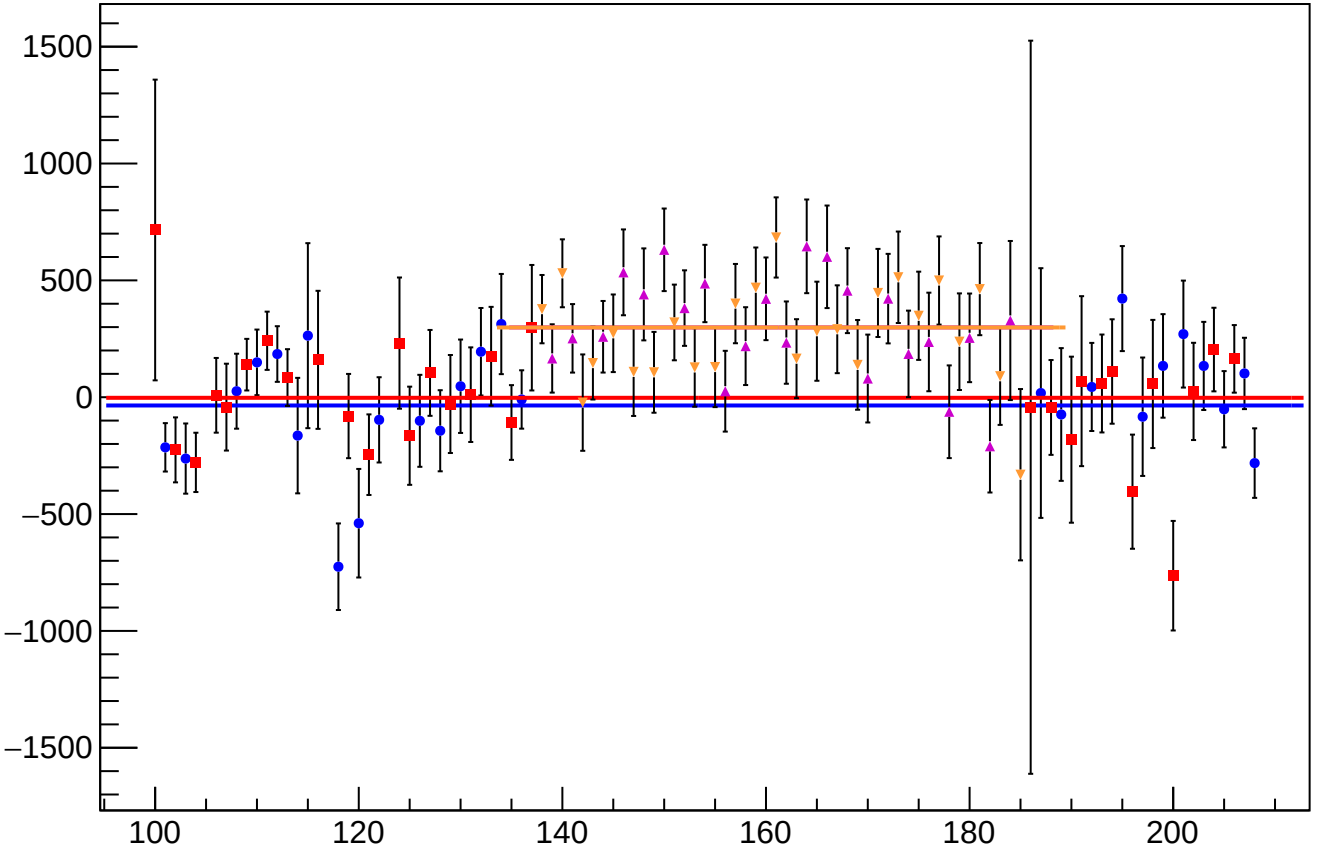
Right: 0.000+/-0.000 χ^2/NDF: 13223460.3/57

In: 0.000+/-0.000 χ^2/NDF:7390395.2/49

Out: 0.000+/-0.000 χ^2/NDF:9616179.7/55

All: 0.000+/-0.000 χ^2/NDF: 17096440.1/105

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -35.345+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.508+/-33.418 χ^2/NDF: 37.8/30

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

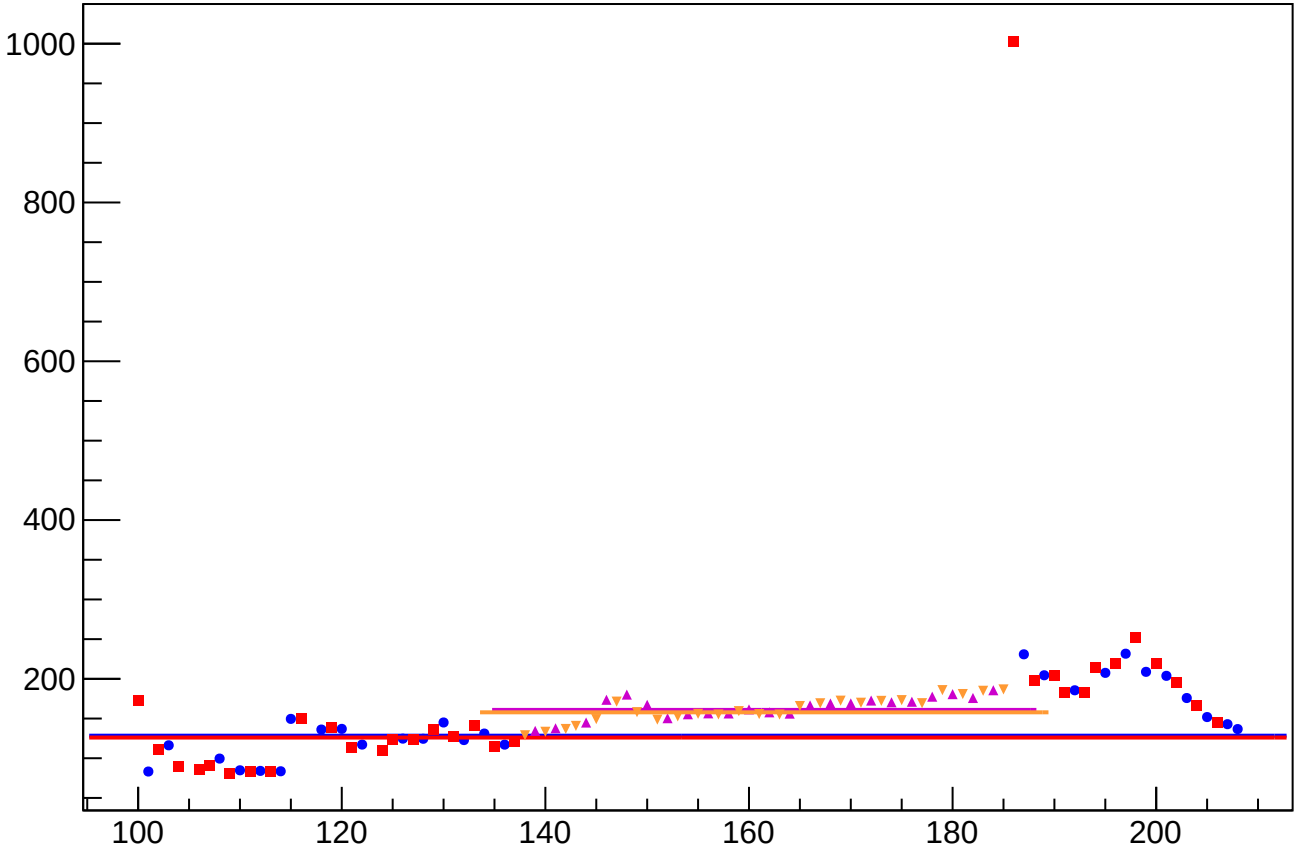
Right: -18.684+/-23.804 χ^2/NDF: 84.3/57

In: 113.947+/-25.222 χ^2/NDF:118.9/49

Out: 136.611+/-24.508 χ^2/NDF:101.3/55

All: 125.604+/-17.577 χ^2/NDF: 220.5/105

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.396+/-0.024 χ^2/NDF: 2701699.5/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.064+/-0.024 χ^2/NDF: 4156794.9/30

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

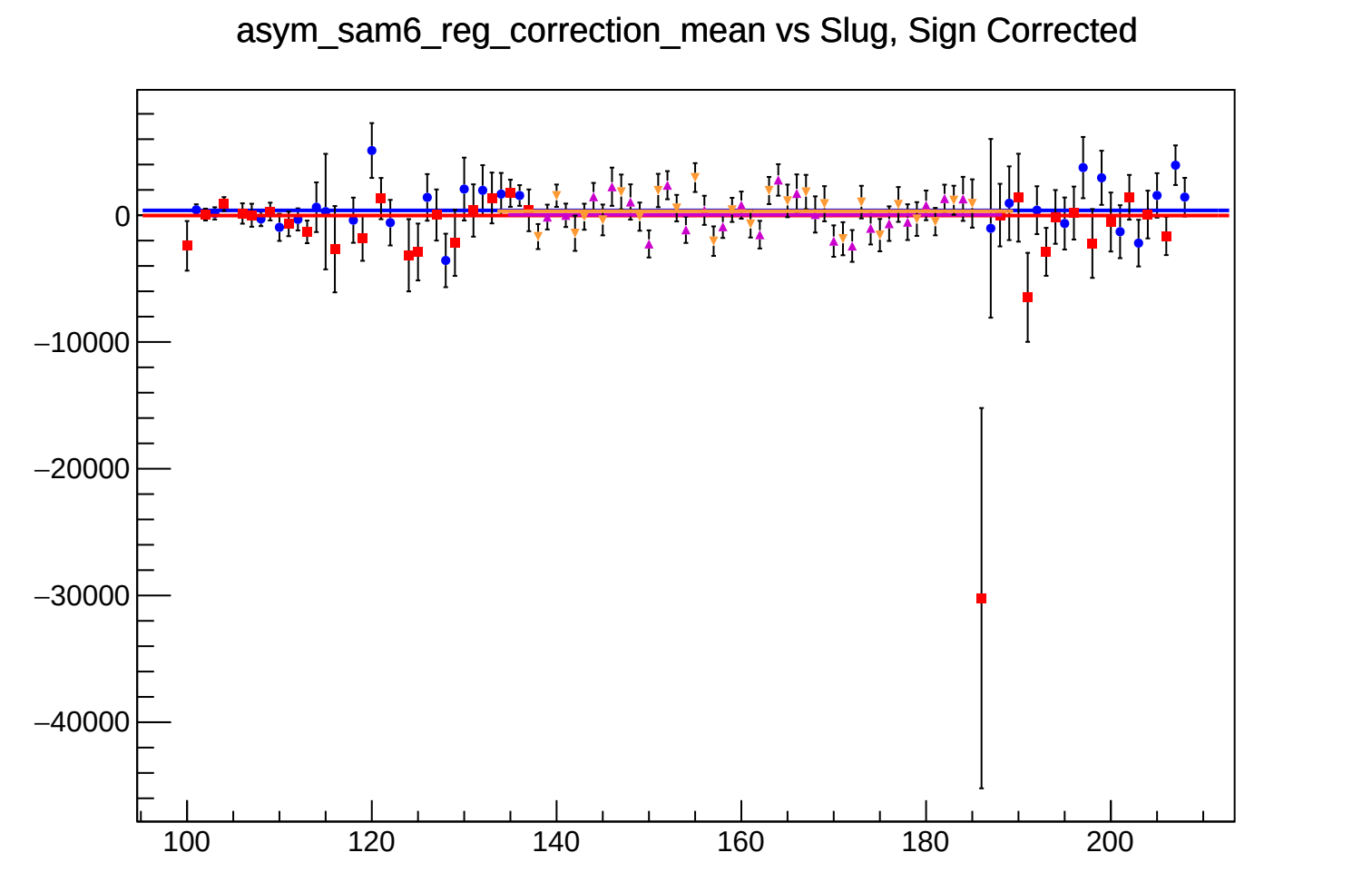
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.213+/-0.017 χ^2/NDF: 6863288.5/57

In: 142.912+/-0.018 χ^2/NDF:3789793.8/49

Out: 140.748+/-0.017 χ^2/NDF:5369503.5/55

All: 141.799+/-0.012 χ^2/NDF: 9166871.3/105



Right In: 382.597+/-215.510 χ^2/NDF: 29.2/26

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.826+/-218.322 χ^2/NDF: 28.6/30

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

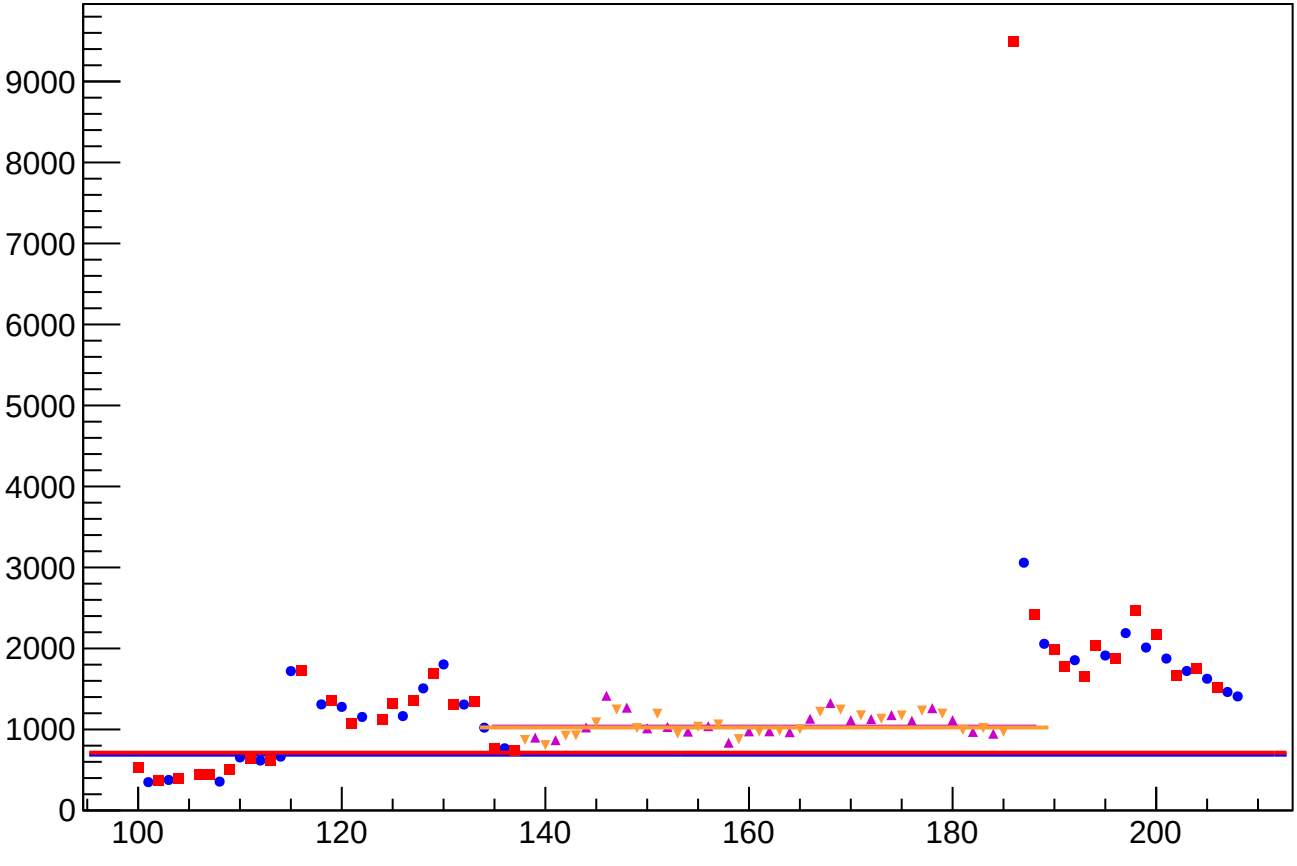
Right: 182.020+/-153.373 χ^2/NDF: 59.6/57

In: 232.215+/-161.572 χ^2/NDF:65.1/49

Out: 135.369+/-159.975 χ^2/NDF:62.3/55

All: 183.311+/-113.680 χ^2/NDF: 127.5/105

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 688.975+/-0.152 χ^2/NDF: 10975853.6/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 713.211+/-0.154 χ^2/NDF: 11302558.8/30

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

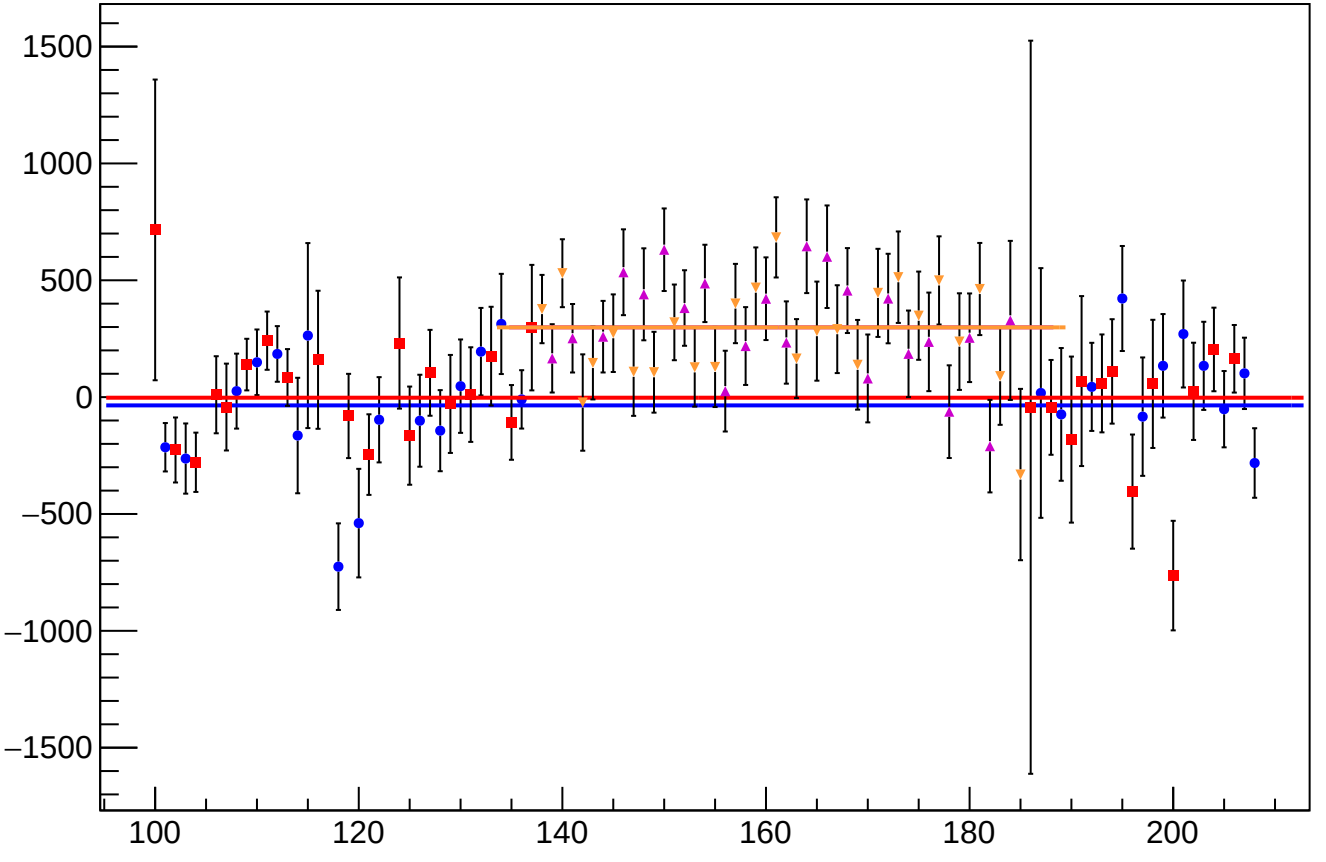
Right: 700.936+/-0.108 χ^2/NDF: 22290895.0/57

In: 840.256+/-0.114 χ^2/NDF:13854775.0/49

Out: 857.360+/-0.113 χ^2/NDF:13782975.4/55

All: 848.893+/-0.080 χ^2/NDF: 27649067.7/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.482+/-33.462 χ^2/NDF: 37.8/30

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

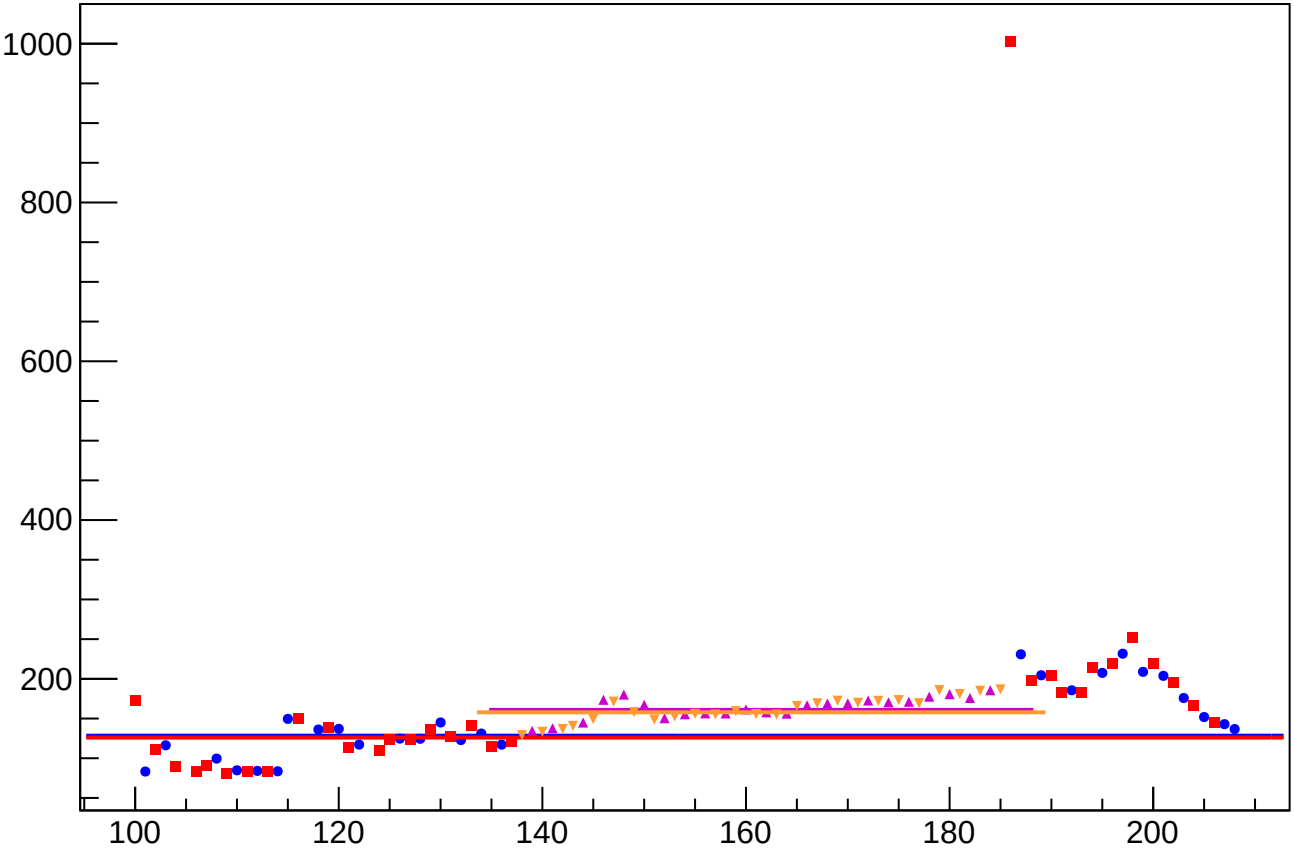
Right: -18.701+/-23.820 χ^2/NDF: 84.4/57

In: 113.940+/-25.222 χ^2/NDF:118.9/49

Out: 136.825+/-24.525 χ^2/NDF:101.2/55

All: 125.703+/-17.583 χ^2/NDF: 220.5/105

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

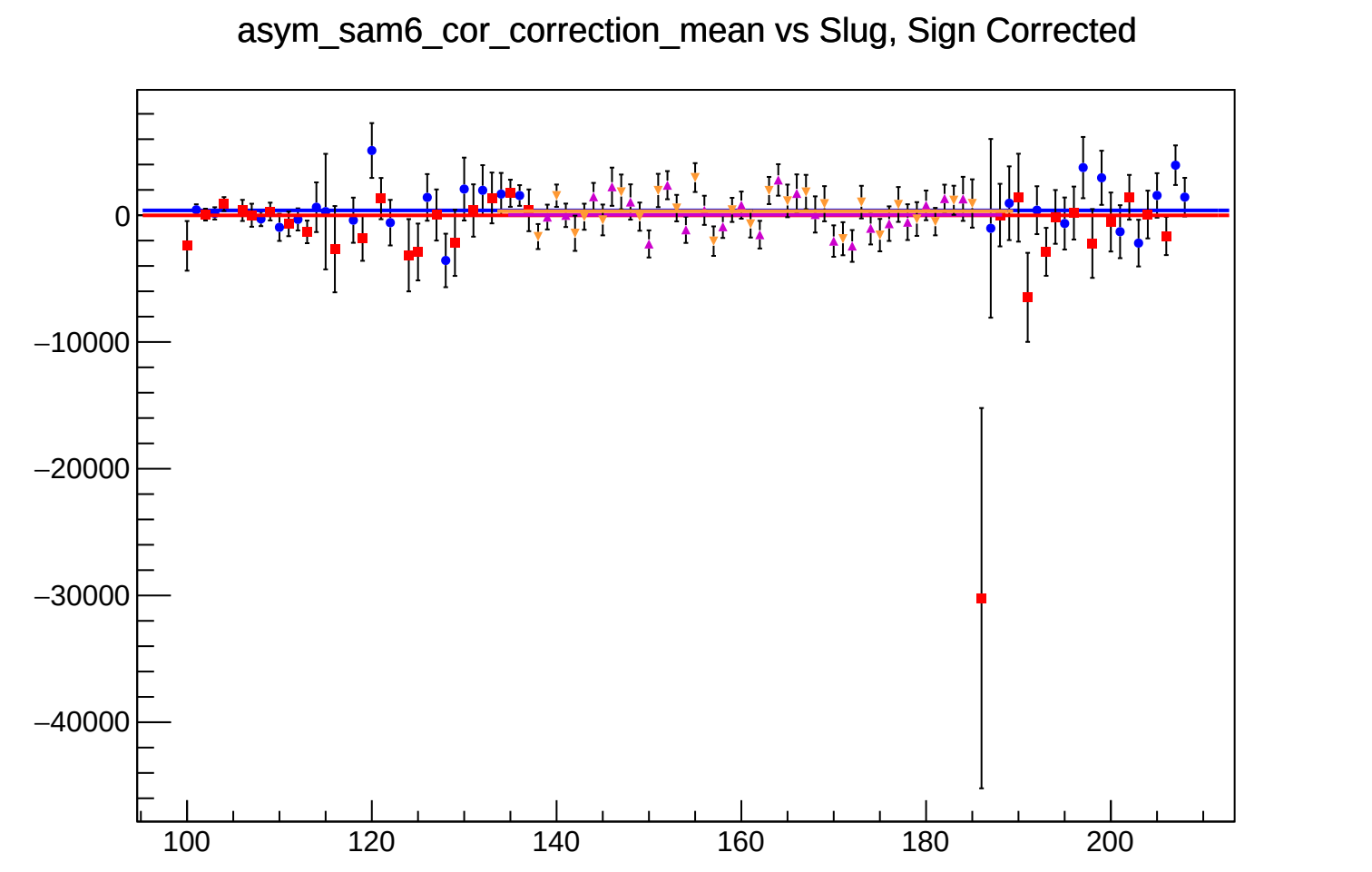
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.203+/-0.017 χ^2/NDF: 6875035.5/57

In: 142.912+/-0.018 χ^2/NDF:3789789.5/49

Out: 140.757+/-0.017 χ^2/NDF:5381327.9/55

All: 141.804+/-0.012 χ^2/NDF: 9178624.5/105



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.633+/-218.843 χ^2/NDF: 28.8/30

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

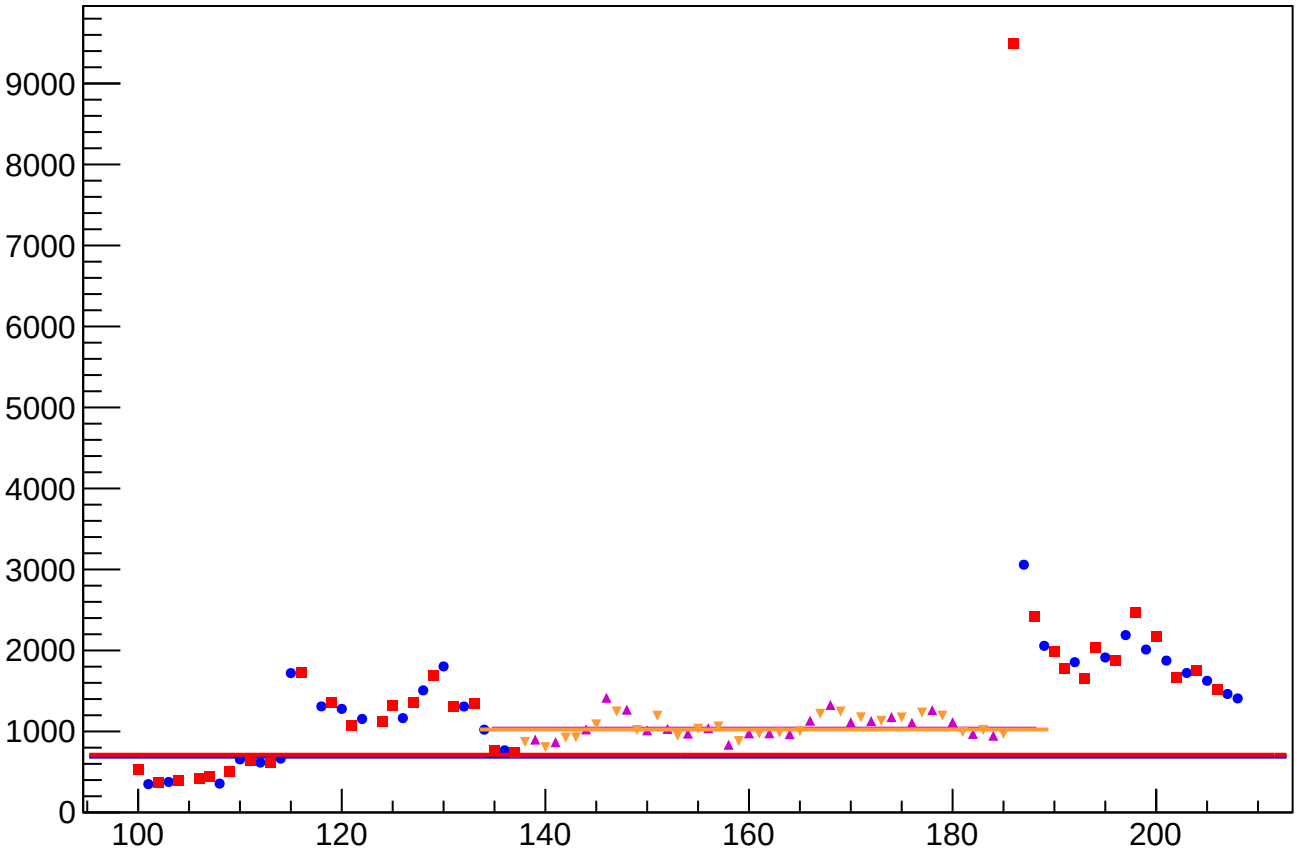
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 190.049+/-153.551 χ^2/NDF: 59.6/57

In: 232.286+/-161.569 χ^2/NDF:65.1/49

Out: 143.919+/-160.180 χ^2/NDF:62.4/55

All: 187.721+/-113.752 χ^2/NDF: 127.6/105



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

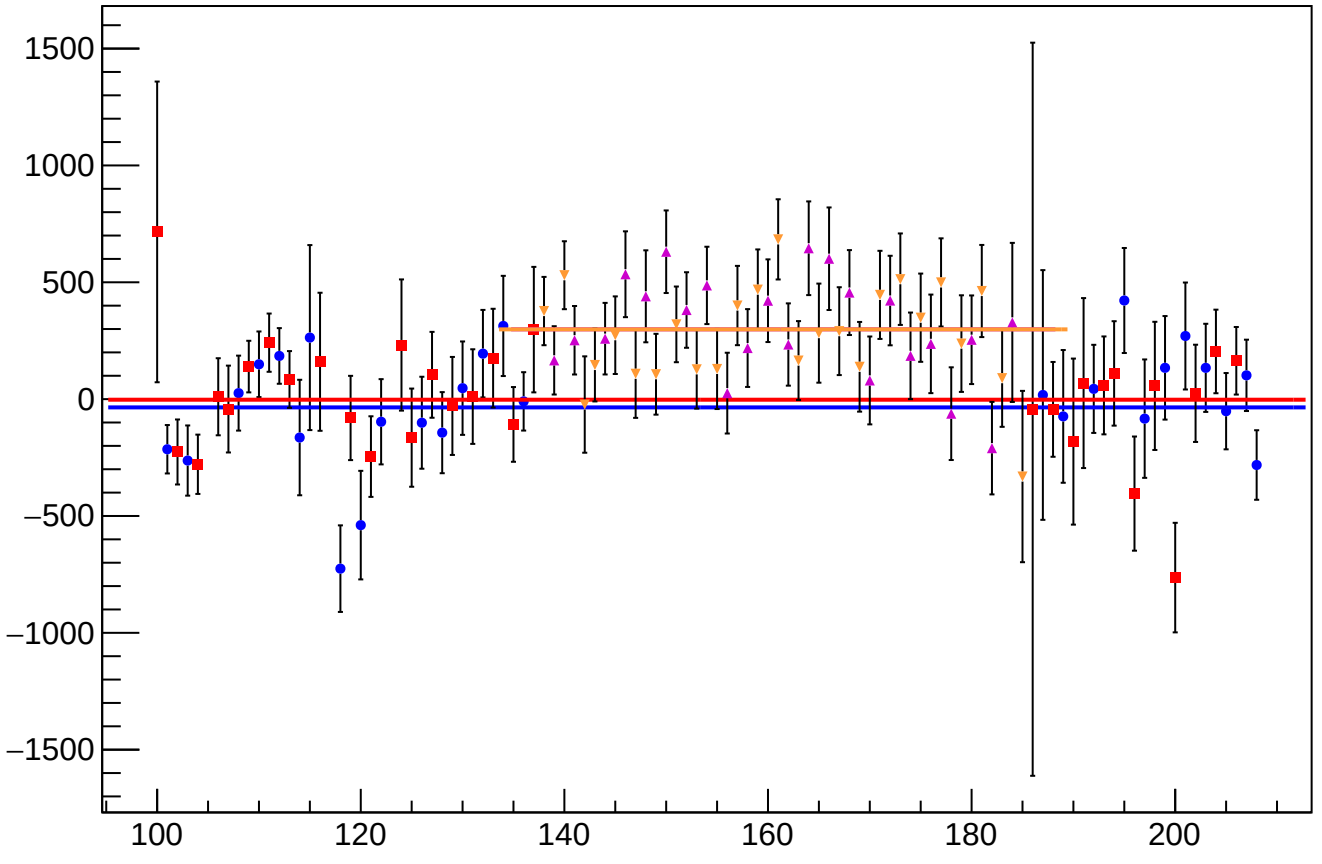
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 700.561+/-0.109 χ^2/NDF: 22323488.1/57

In: 840.236+/-0.114 χ^2/NDF:13855686.4/49

Out: 857.368+/-0.113 χ^2/NDF:13819735.2/55

All: 848.876+/-0.080 χ^2/NDF: 27686761.7/10



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.482+/-33.462 χ^2/NDF: 37.8/30

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

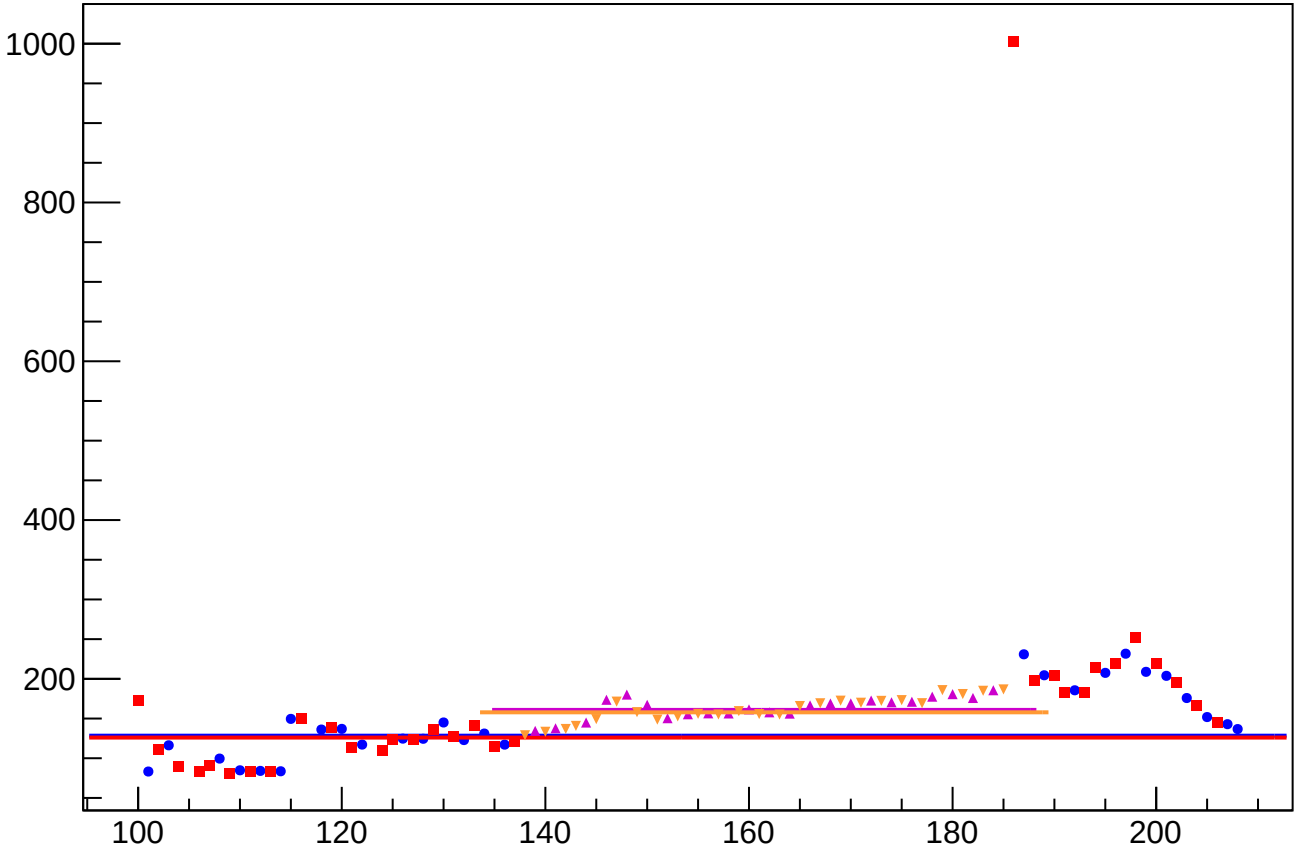
Right: -18.701+/-23.820 χ^2/NDF: 84.4/57

In: 113.940+/-25.222 χ^2/NDF:118.9/49

Out: 136.825+/-24.525 χ^2/NDF:101.2/55

All: 125.703+/-17.583 χ^2/NDF: 220.5/105

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

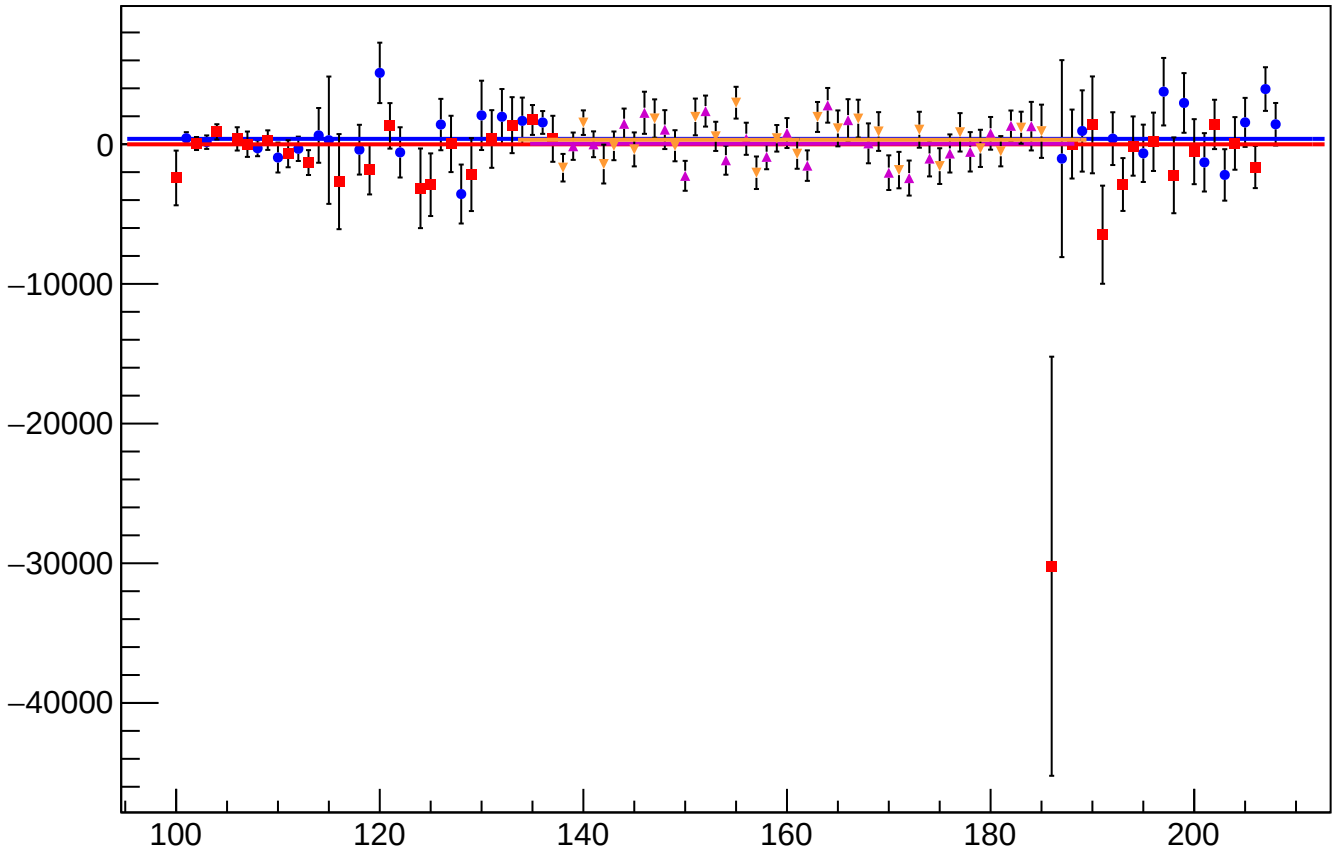
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.203+/-0.017 χ^2/NDF: 6875035.5/57

In: 142.912+/-0.018 χ^2/NDF:3789789.5/49

Out: 140.757+/-0.017 χ^2/NDF:5381327.9/55

All: 141.804+/-0.012 χ^2/NDF: 9178624.5/105



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.633+/-218.843 χ^2/NDF: 28.8/30

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

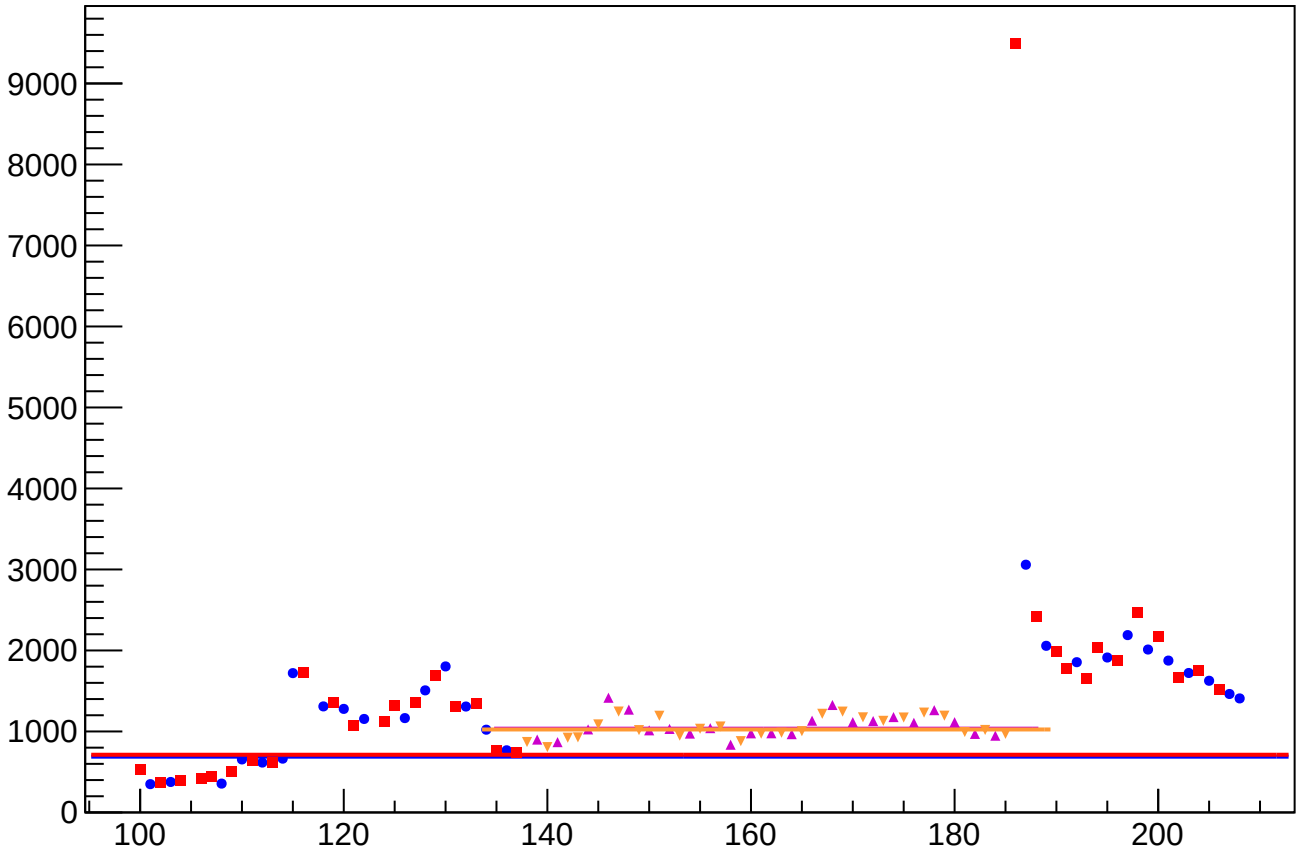
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 190.049+/-153.551 χ^2/NDF: 59.6/57

In: 232.286+/-161.569 χ^2/NDF:65.1/49

Out: 143.919+/-160.180 χ^2/NDF:62.4/55

All: 187.721+/-113.752 χ^2/NDF: 127.6/105



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

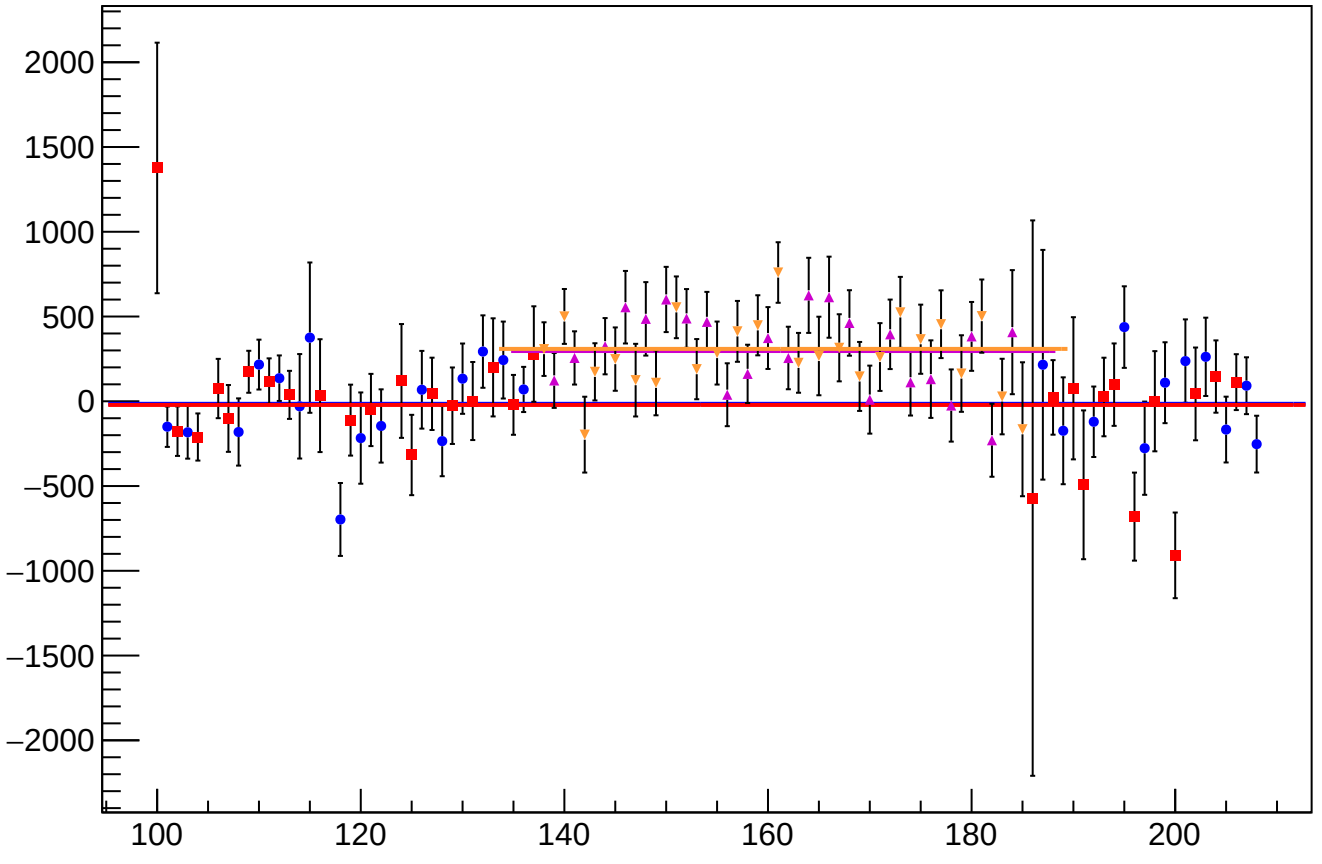
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 700.561+/-0.109 χ^2/NDF: 22323488.1/57

In: 840.236+/-0.114 χ^2/NDF:13855686.4/49

Out: 857.368+/-0.113 χ^2/NDF:13819735.2/55

All: 848.876+/-0.080 χ^2/NDF: 27686761.7/10



Right In: -14.991+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -21.546+/-37.569 χ^2/NDF: 36.3/30

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

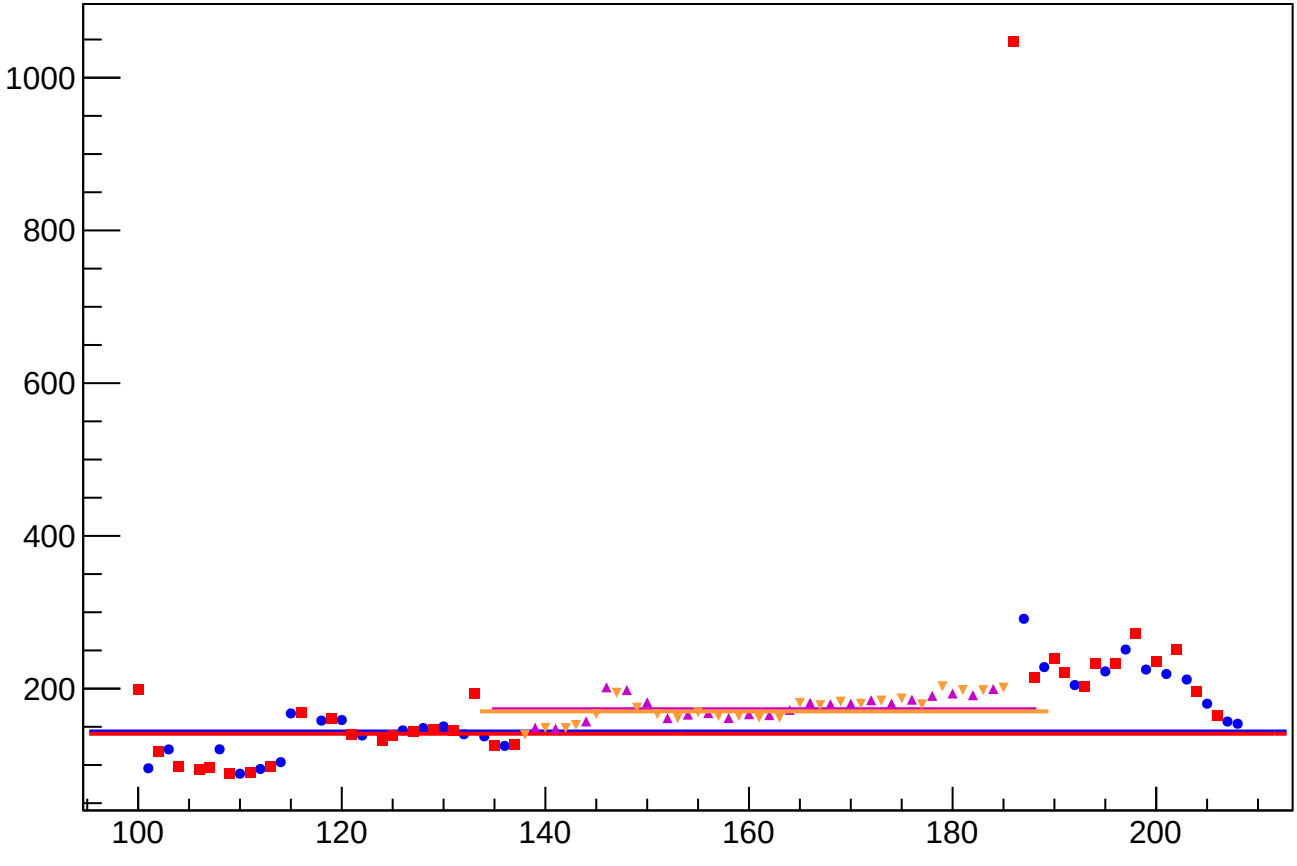
Right: -18.309+/-26.731 χ^2/NDF: 71.4/57

In: 130.610+/-27.763 χ^2/NDF:94.2/49

Out: 137.986+/-27.024 χ^2/NDF:99.3/55

All: 134.398+/-19.365 χ^2/NDF: 193.5/105

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 143.841+/-0.027 χ^2/NDF: 2659362.2/26

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330503.2/30

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

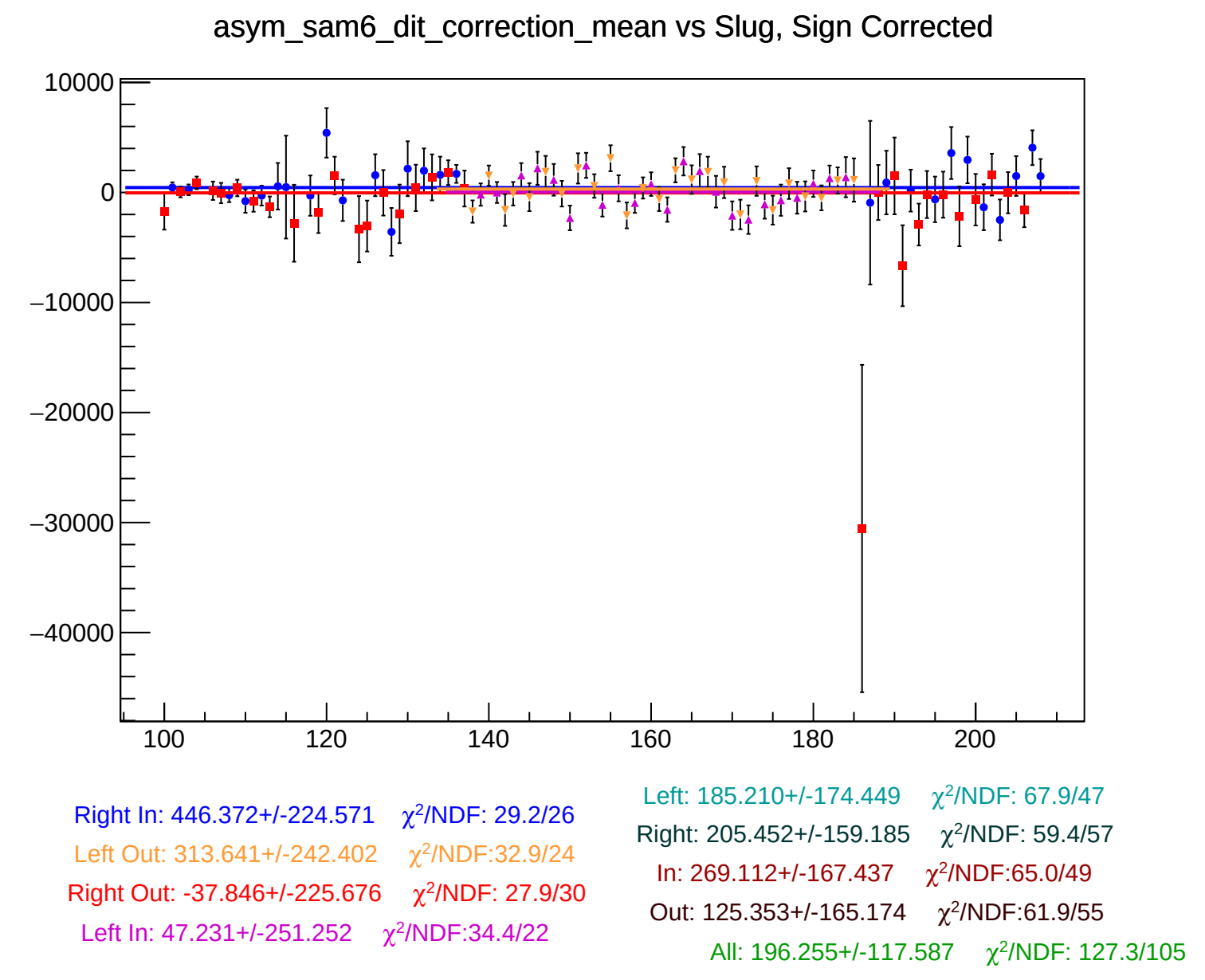
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

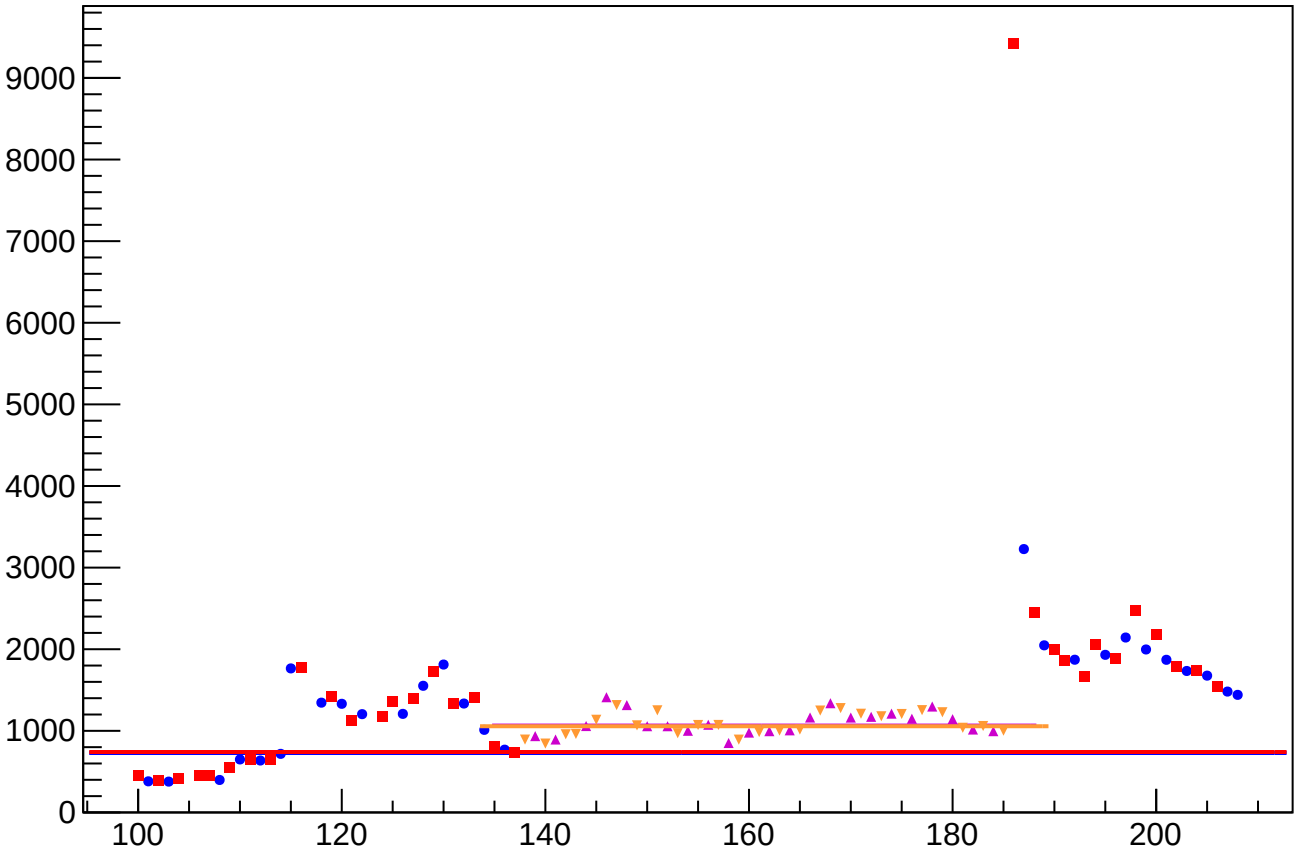
Right: 142.364+/-0.019 χ^2/NDF: 6995819.1/57

In: 157.482+/-0.020 χ^2/NDF:3503176.1/49

Out: 155.072+/-0.019 χ^2/NDF:5284529.9/55

All: 156.244+/-0.014 χ^2/NDF: 8795448.0/105


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 446.372+/-224.571 χ²/NDF: 29.2/26
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -37.846+/-225.676 χ²/NDF: 27.9/30
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 205.452+/-159.185 χ²/NDF: 59.4/57
In: 269.112+/-167.437 χ²/NDF:65.0/49
Out: 125.353+/-165.174 χ²/NDF:61.9/55
All: 196.255+/-117.587 χ²/NDF: 127.3/105



Right In: 728.434+/-0.159 χ^2/NDF: 10409901.0/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 740.705+/-0.160 χ^2/NDF: 11137559.5/30

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

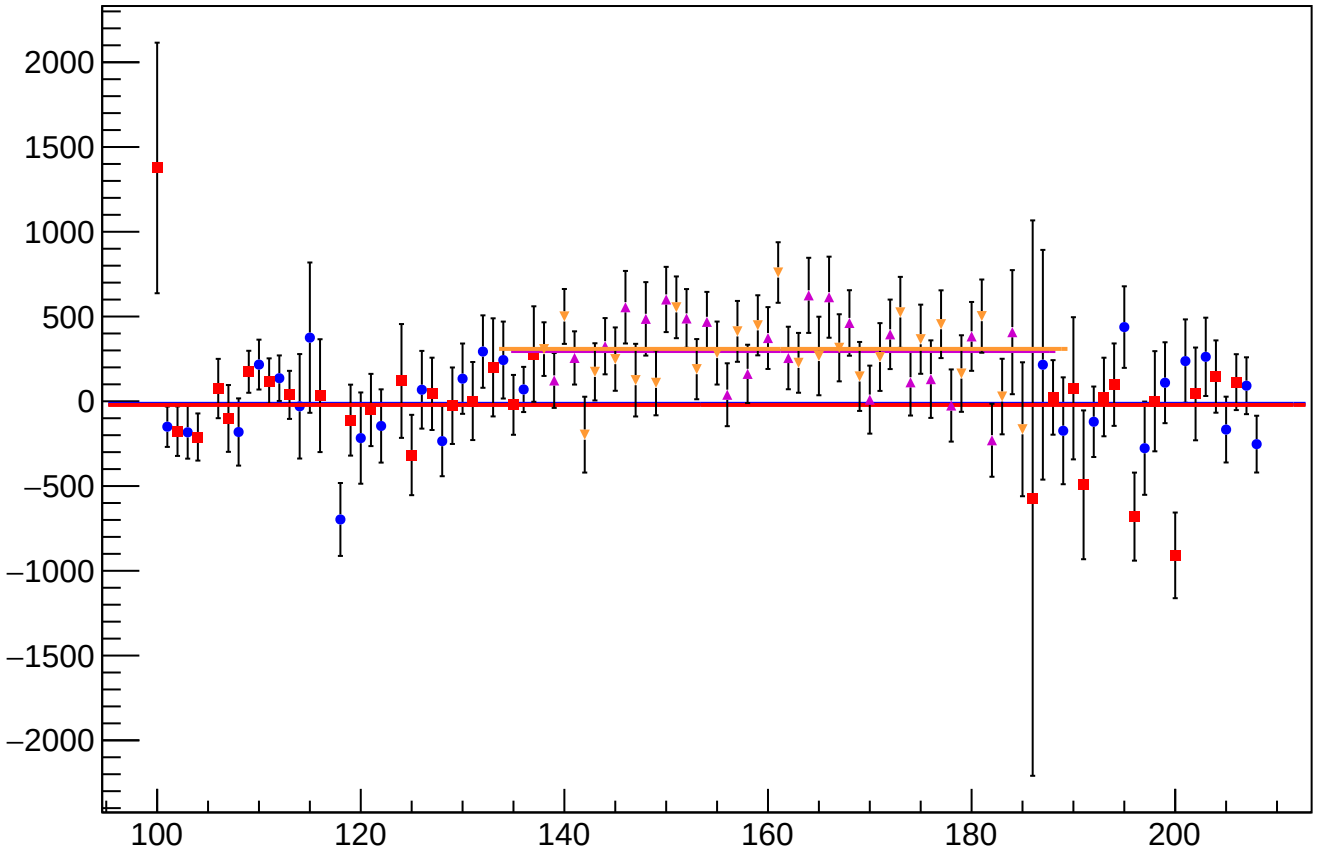
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 734.539+/-0.113 χ^2/NDF: 21550431.2/57

In: 877.767+/-0.118 χ^2/NDF:13012313.2/49

Out: 887.252+/-0.117 χ^2/NDF:13564654.1/55

All: 882.574+/-0.083 χ^2/NDF: 26580220.5/10



Right In: -14.993+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -21.545+/-37.569 χ^2/NDF: 36.3/30

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

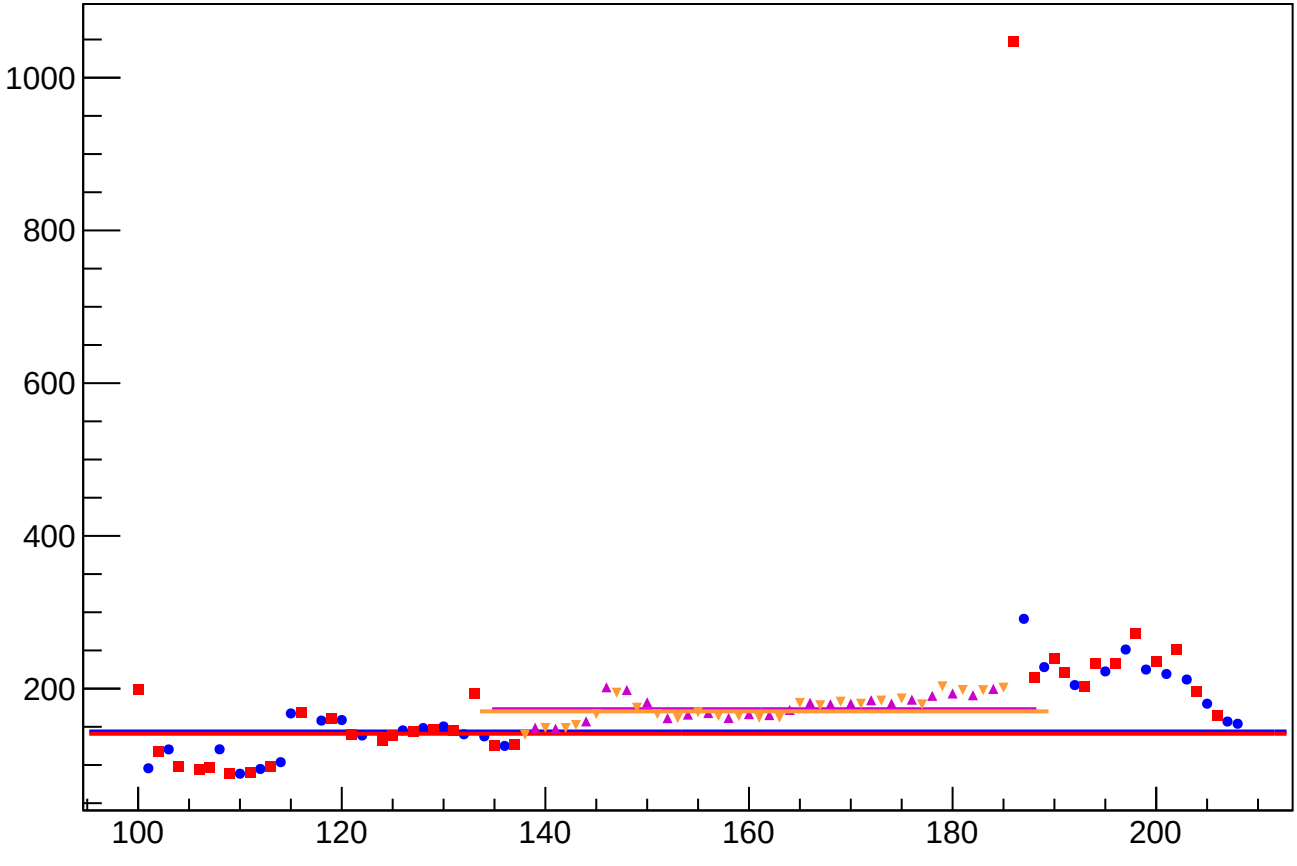
Right: -18.310+/-26.731 χ^2/NDF: 71.4/57

In: 130.609+/-27.762 χ^2/NDF:94.2/49

Out: 137.987+/-27.024 χ^2/NDF:99.3/55

All: 134.398+/-19.365 χ^2/NDF: 193.5/105

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 143.841+/-0.027 χ^2/NDF: 2659380.4/26

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330509.4/30

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

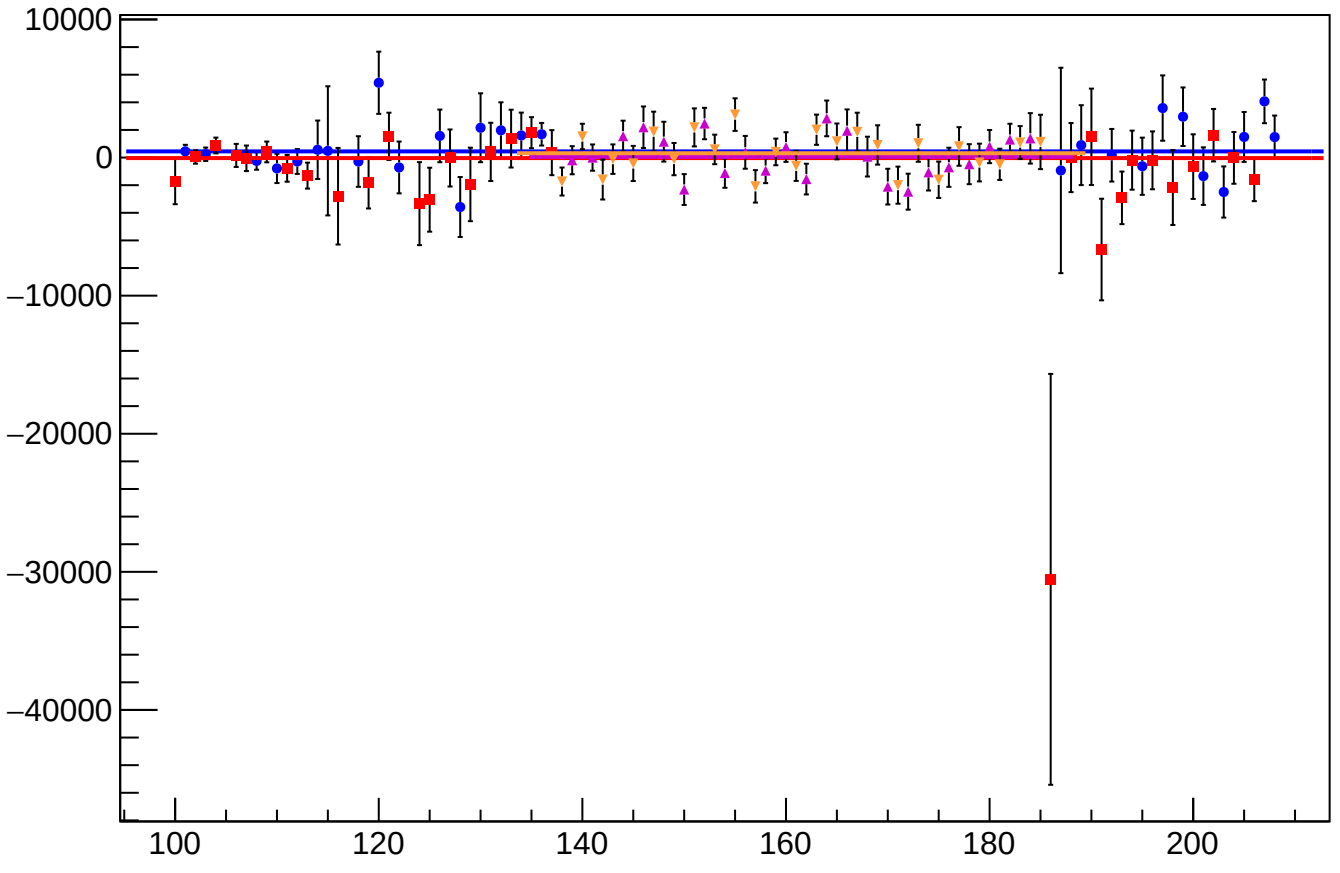
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 142.364+/-0.019 χ^2/NDF: 6995843.4/57

In: 157.482+/-0.020 χ^2/NDF:3503199.3/49

Out: 155.071+/-0.019 χ^2/NDF:5284539.2/55

All: 156.244+/-0.014 χ^2/NDF: 8795480.4/105



Right In: 446.371+/-224.570 χ^2/NDF: 29.2/26

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -37.845+/-225.676 χ^2/NDF: 27.9/30

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

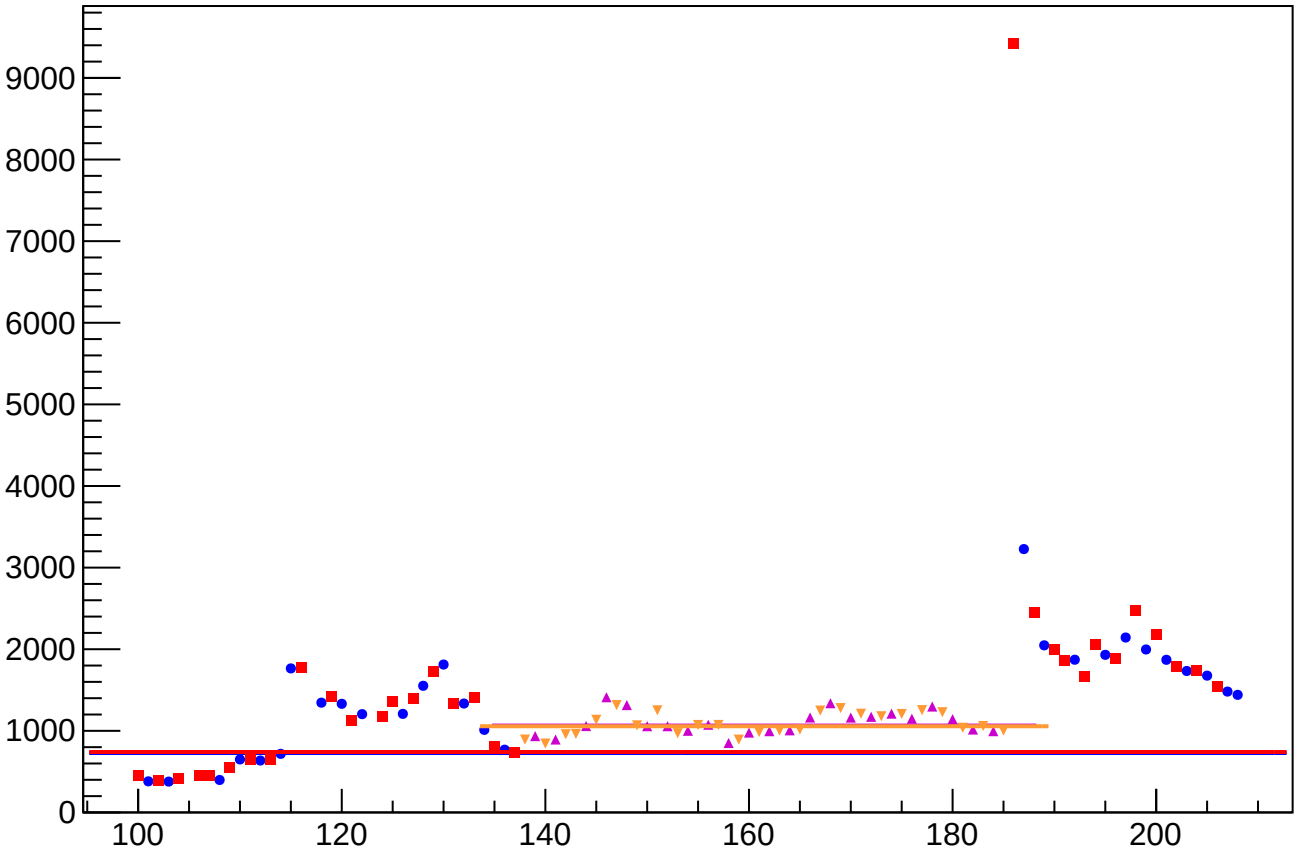
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 205.452+/-159.185 χ^2/NDF: 59.4/57

In: 269.112+/-167.436 χ^2/NDF:65.0/49

Out: 125.354+/-165.174 χ^2/NDF:61.9/55

All: 196.255+/-117.587 χ^2/NDF: 127.3/105



Right In: 728.434+/-0.159 χ^2/NDF: 10409912.4/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 740.704+/-0.160 χ^2/NDF: 11137563.7/30

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

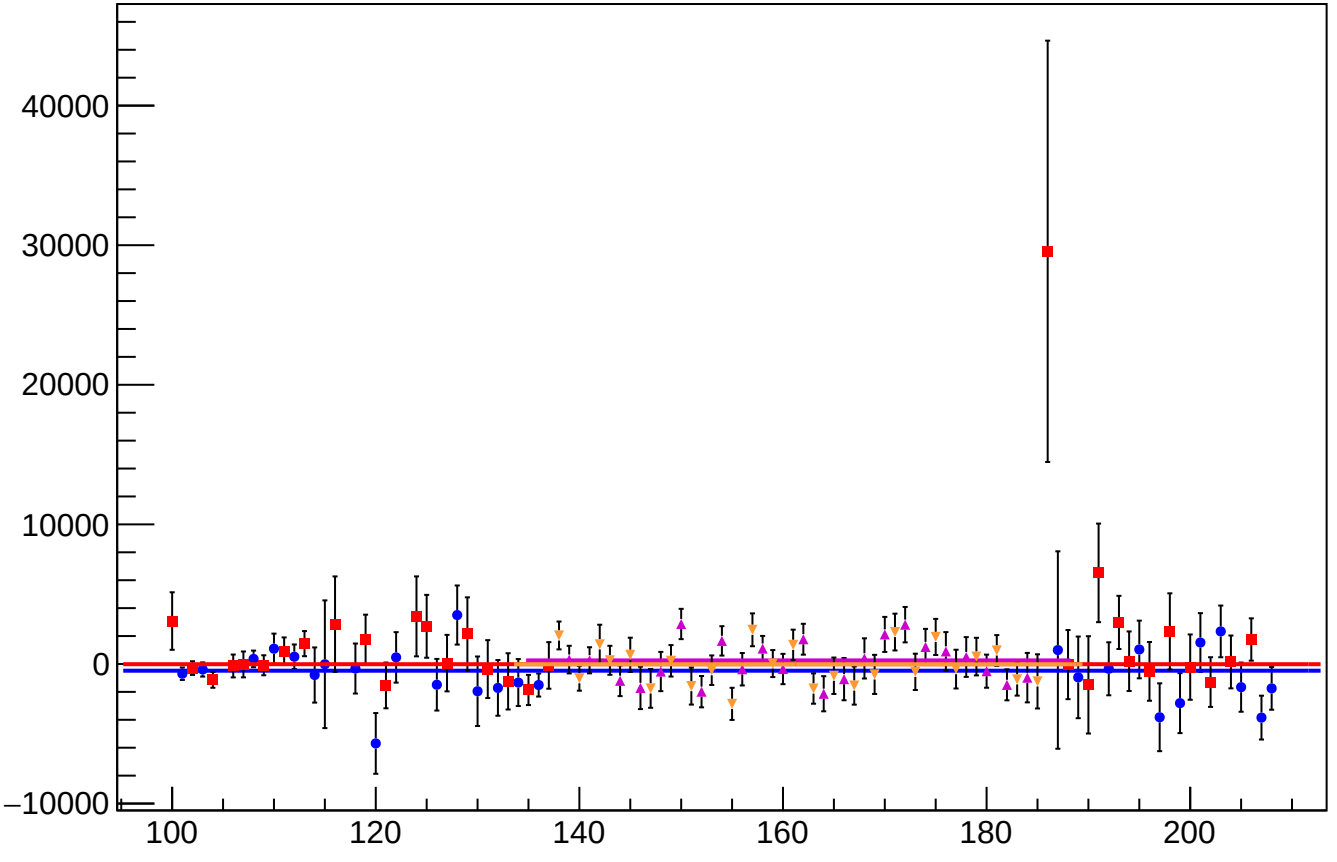
Right: 734.539+/-0.113 χ^2/NDF: 21550446.9/57

In: 877.766+/-0.118 χ^2/NDF:13012340.8/49

Out: 887.252+/-0.117 χ^2/NDF:13564673.9/55

All: 882.574+/-0.083 χ^2/NDF: 26580268.1/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -482.759+/-221.231 χ^2/NDF: 30.7/26

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -16.661+/-223.512 χ^2/NDF: 32.2/30

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

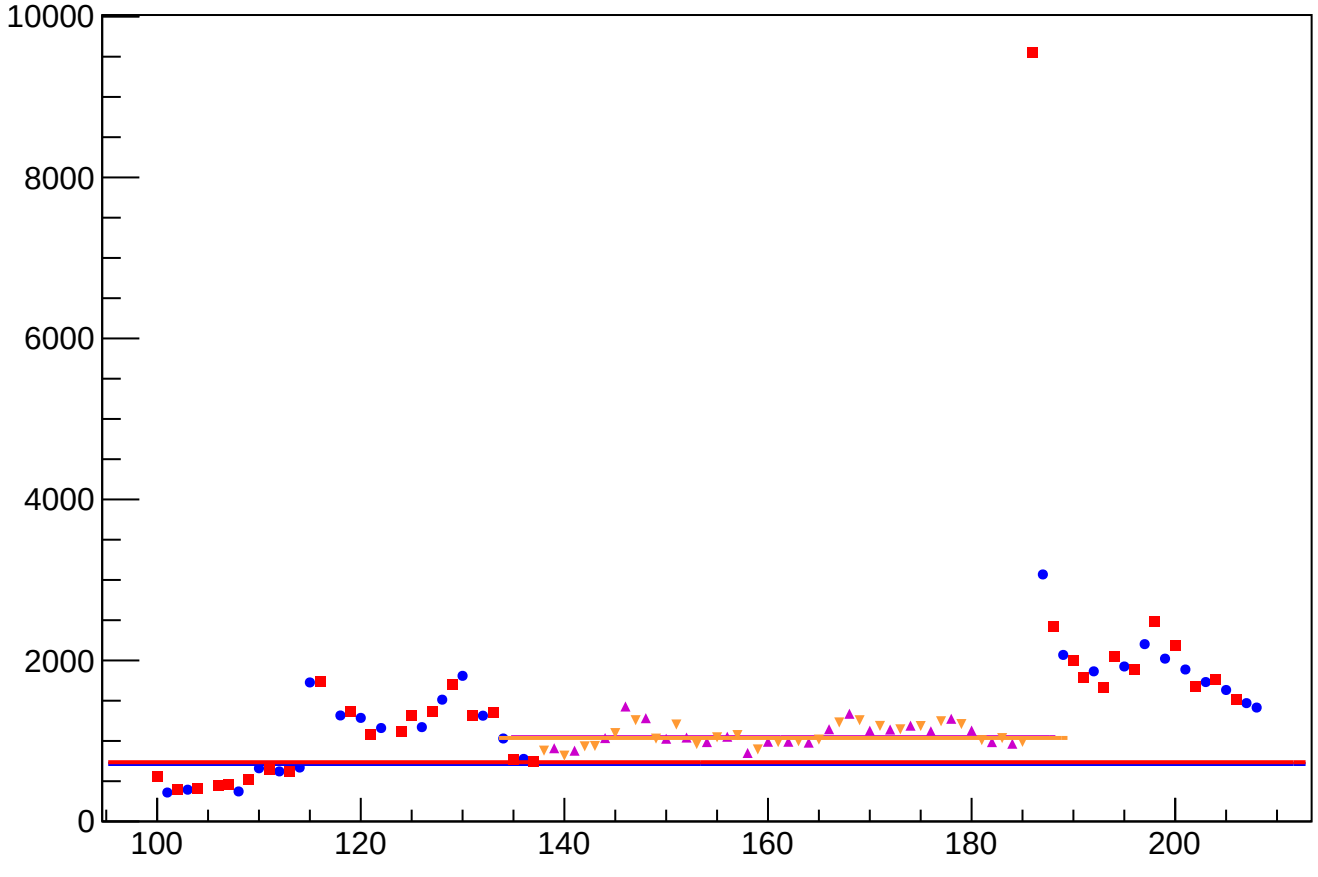
Right: -252.101+/-157.234 χ^2/NDF: 65.2/57

In: -154.481+/-164.854 χ^2/NDF:69.2/49

Out: -19.098+/-162.919 χ^2/NDF:66.7/55

All: -85.990+/-115.879 χ^2/NDF: 136.3/105

asym_sam6_rms vs Slug, Sign Corrected



Right In: 713.754+/-0.156 χ^2/NDF: 10594564.8/26

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 735.943+/-0.158 χ^2/NDF: 10976956.7/30

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

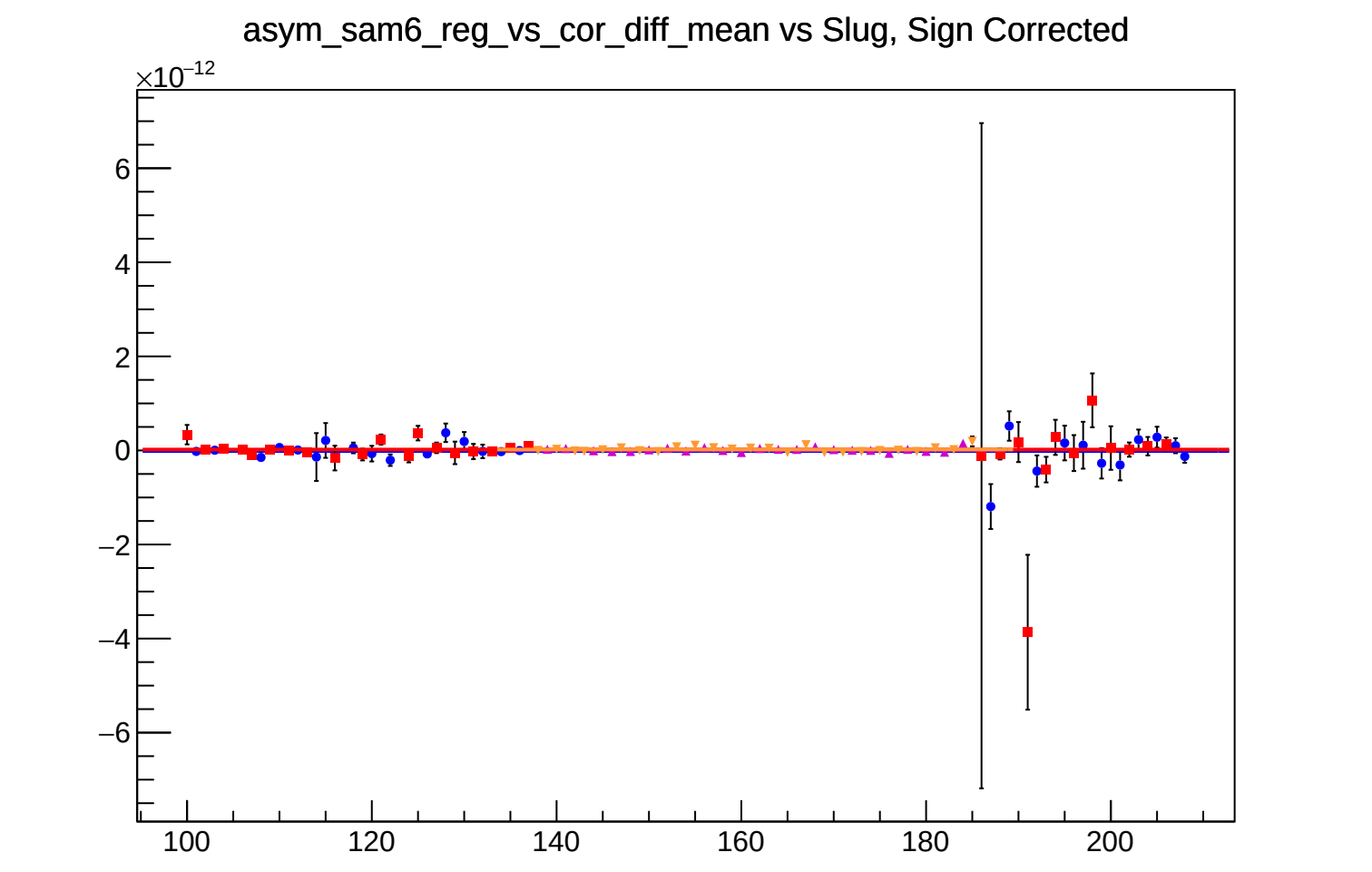
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 724.735+/-0.111 χ^2/NDF: 21581478.5/57

In: 862.237+/-0.117 χ^2/NDF:13233736.8/49

Out: 877.200+/-0.115 χ^2/NDF:13266789.9/55

All: 869.807+/-0.082 χ^2/NDF: 26508862.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/30

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

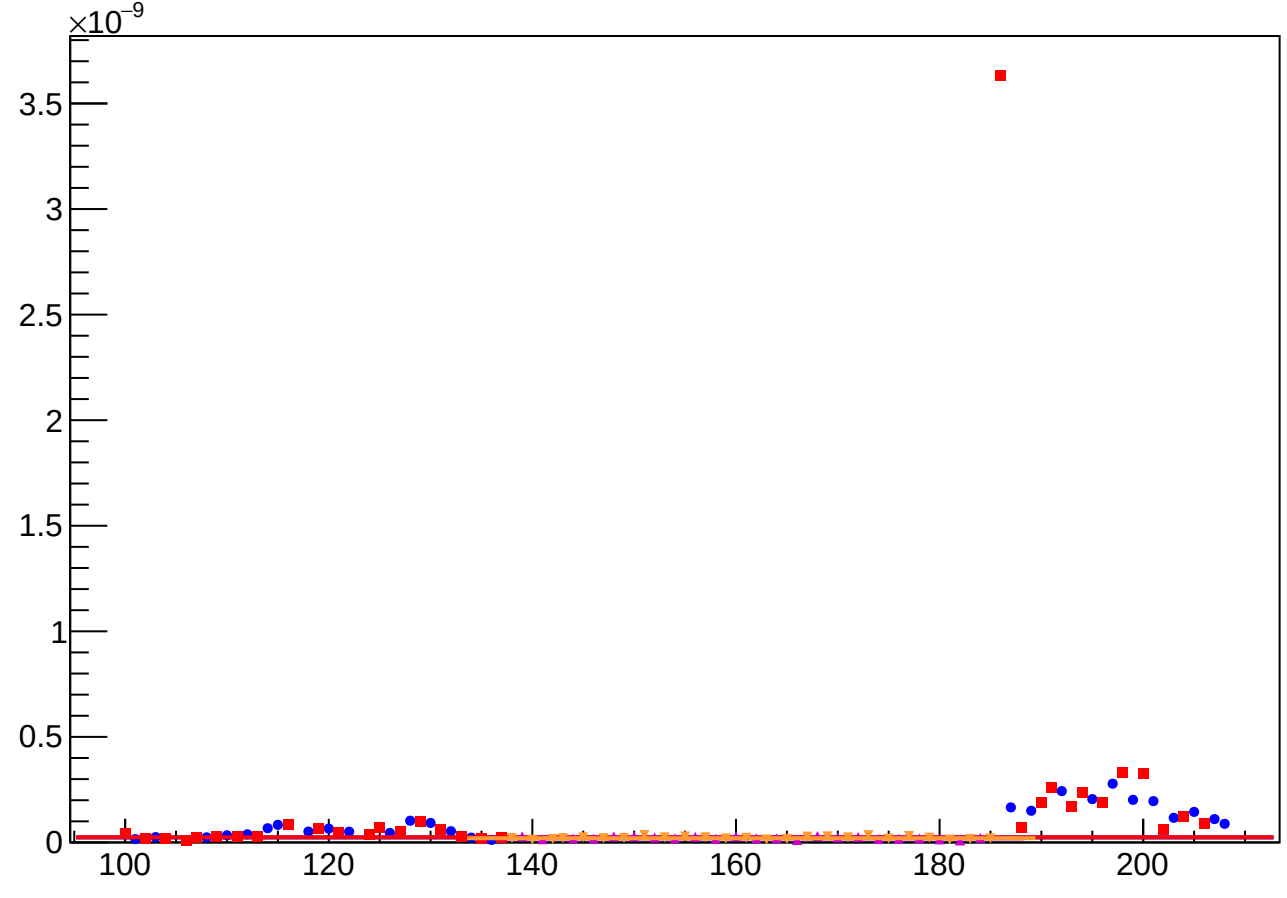
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 68.9/57

In: 0.000+/-0.000 χ^2/NDF:52.9/49

Out: 0.000+/-0.000 χ^2/NDF:63.4/55

All: 0.000+/-0.000 χ^2/NDF: 120.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 7714842.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7244967.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

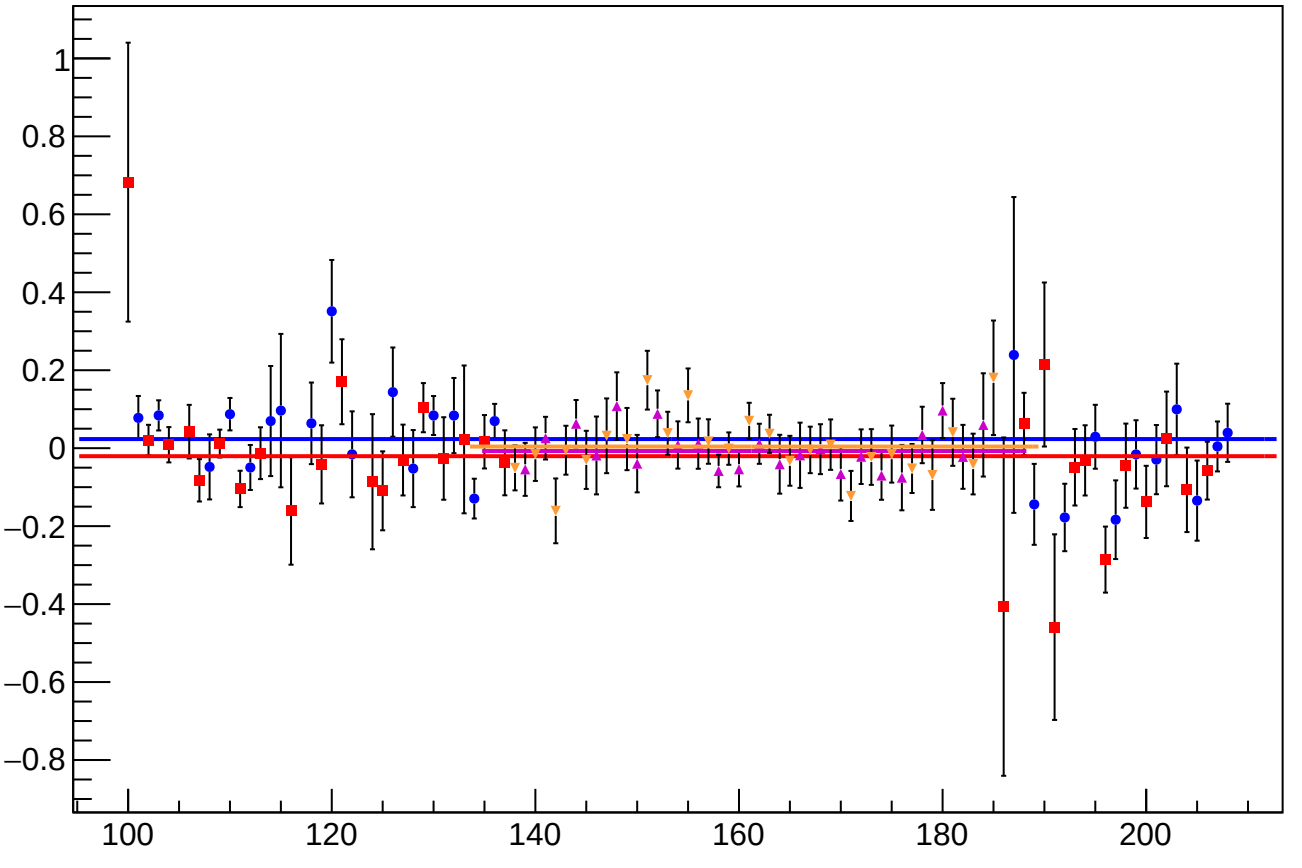
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14962203.6/57

In: 0.000+/-0.000 χ^2/NDF:8951487.1/49

Out: 0.000+/-0.000 χ^2/NDF:8387006.5/55

All: 0.000+/-0.000 χ^2/NDF: 17351548.7/105



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

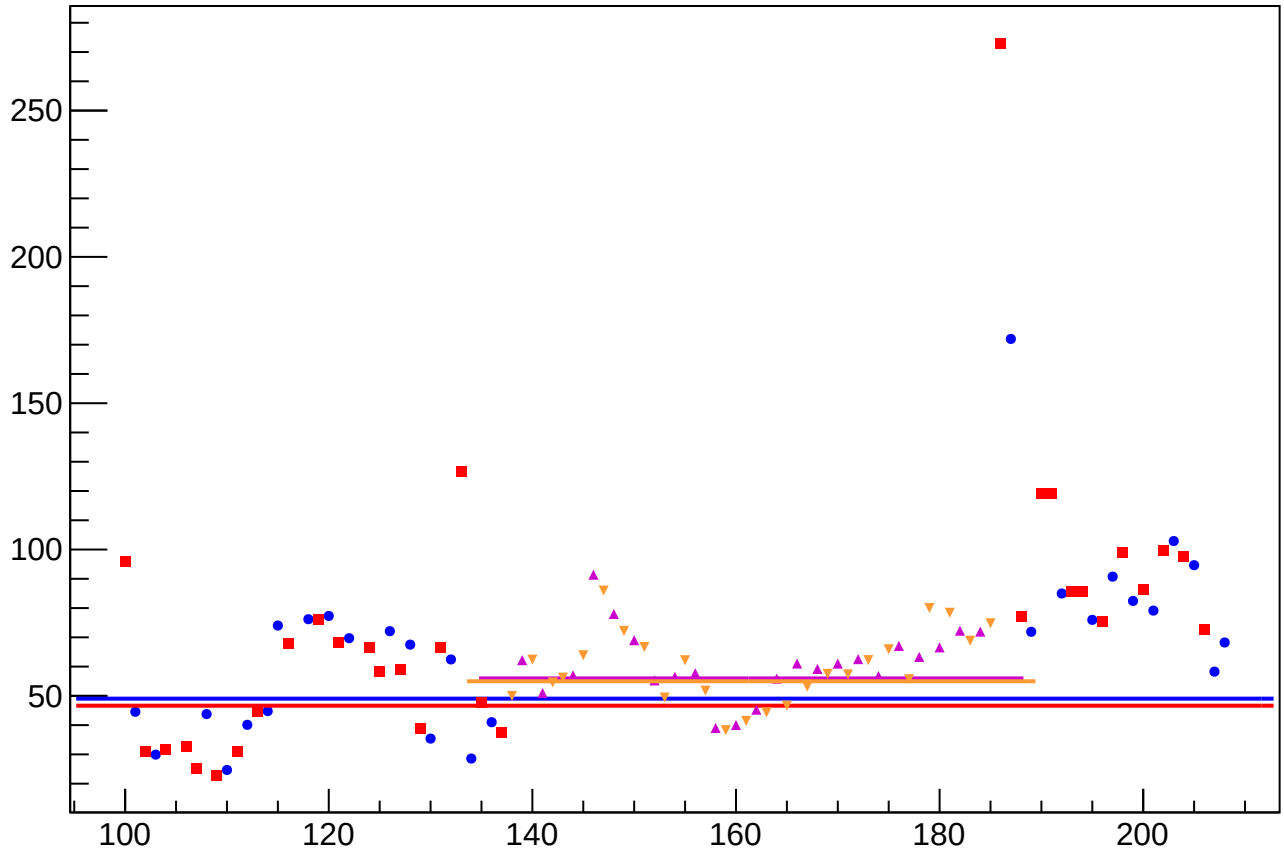
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 89.6/57

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.000+/-0.007 χ^2/NDF: 129.9/105



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

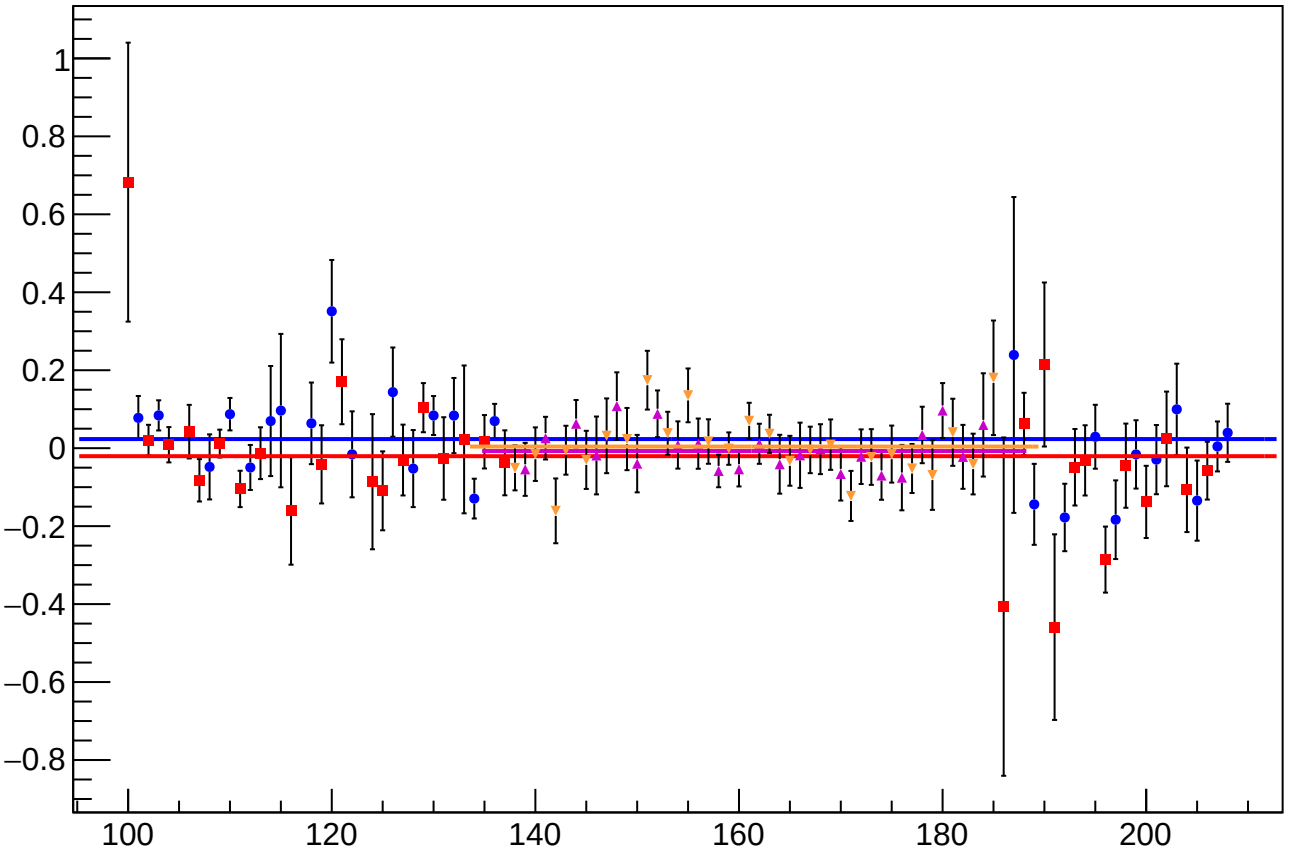
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 47.818+/-0.007 χ^2/NDF: 12074409.5/57

In: 52.585+/-0.007 χ^2/NDF:6655074.4/49

Out: 50.987+/-0.007 χ^2/NDF:9013672.3/55

All: 51.759+/-0.005 χ^2/NDF: 15696961.6/105



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

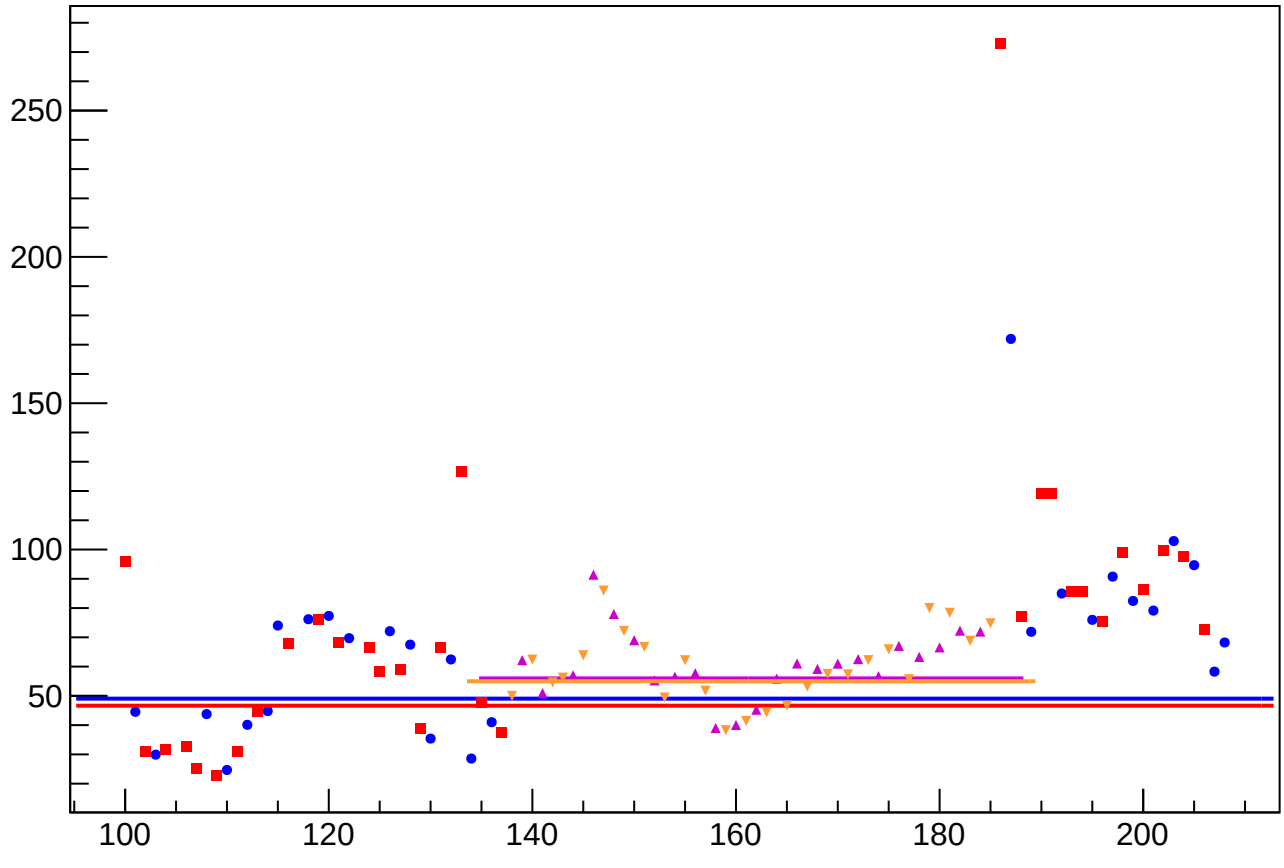
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 89.6/57

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.000+/-0.007 χ^2/NDF: 129.9/105



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

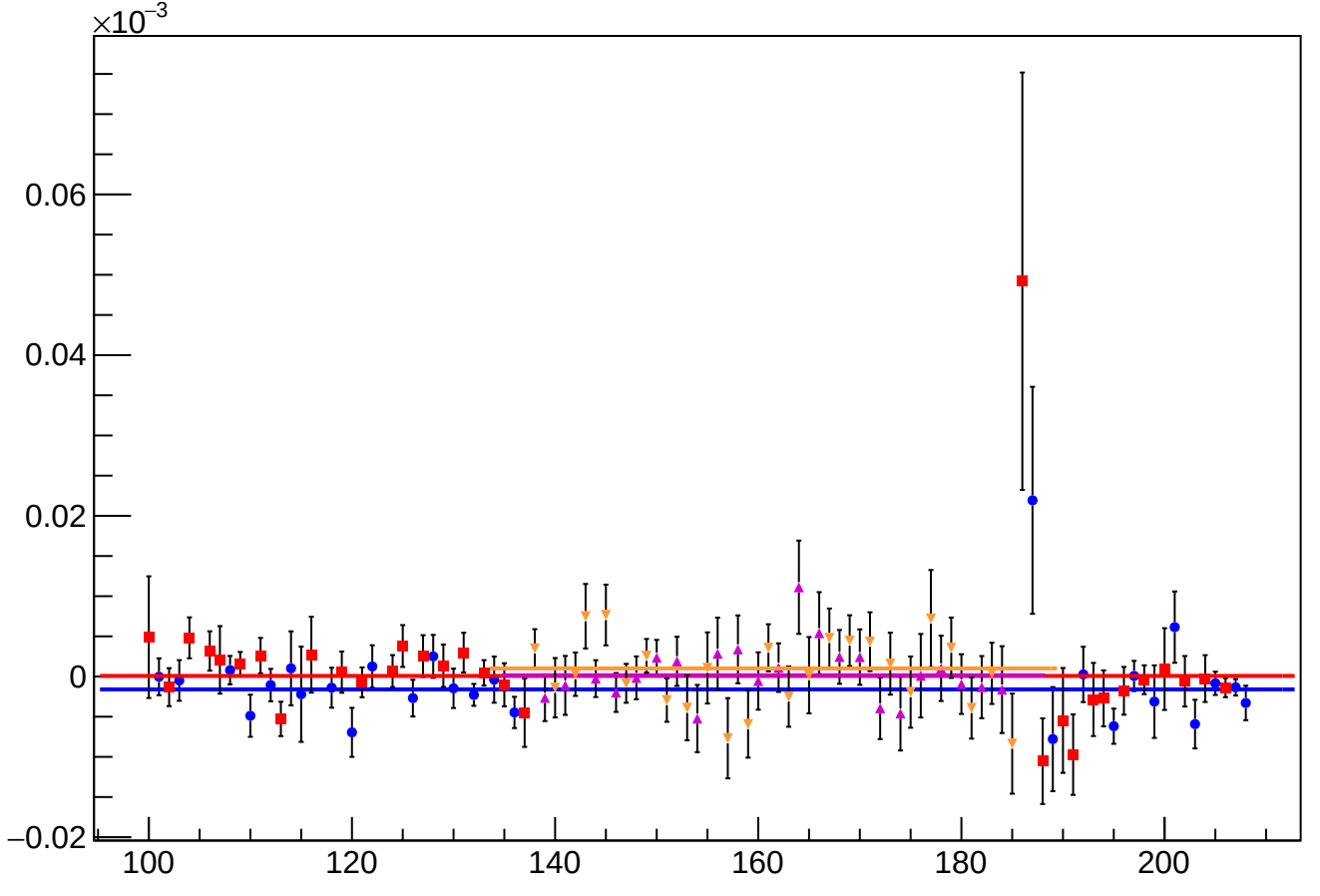
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 47.818+/-0.007 χ^2/NDF: 12074409.5/57

In: 52.585+/-0.007 χ^2/NDF:6655074.4/49

Out: 50.987+/-0.007 χ^2/NDF:9013672.3/55

All: 51.759+/-0.005 χ^2/NDF: 15696961.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/30

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

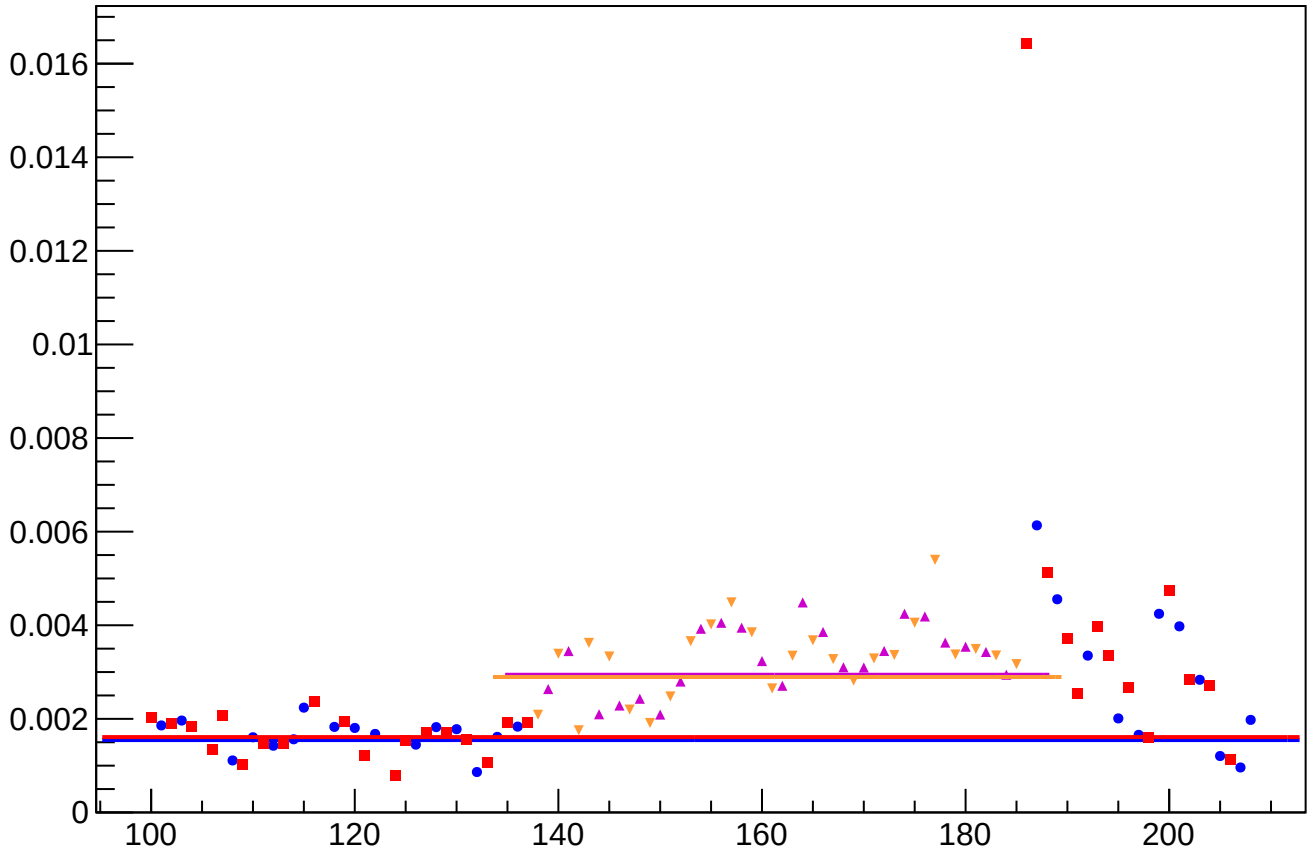
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 72.9/57

In: -0.000+/-0.000 χ^2/NDF:47.7/49

Out: 0.000+/-0.000 χ^2/NDF:66.3/55

All: -0.000+/-0.000 χ^2/NDF: 122.0/105



Right In: 0.002+/-0.000 χ^2/NDF: 4687166.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6002378.6/30

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

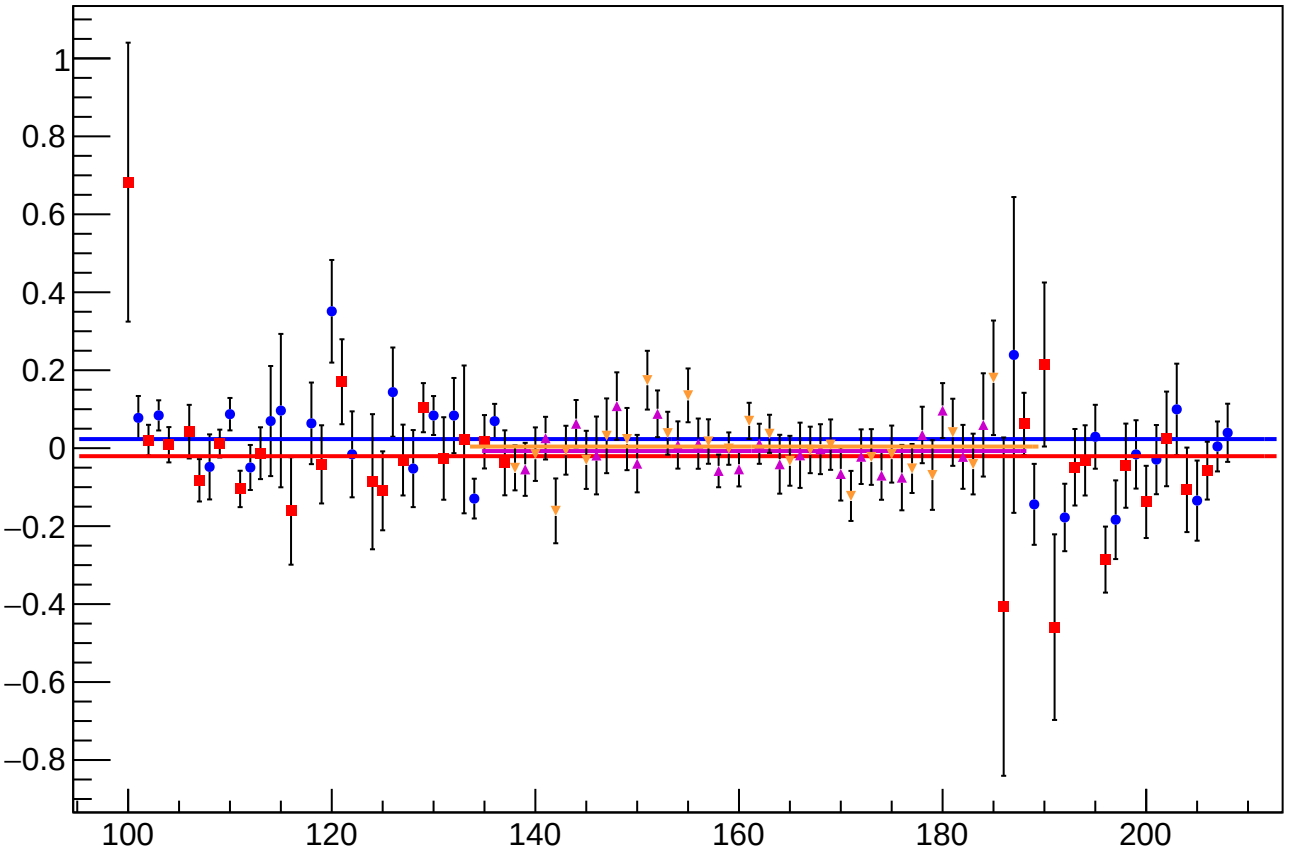
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 10710577.9/57

In: 0.002+/-0.000 χ^2/NDF:12233114.2/49

Out: 0.002+/-0.000 χ^2/NDF:13566761.1/55

All: 0.002+/-0.000 χ^2/NDF: 25837266.8/105



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

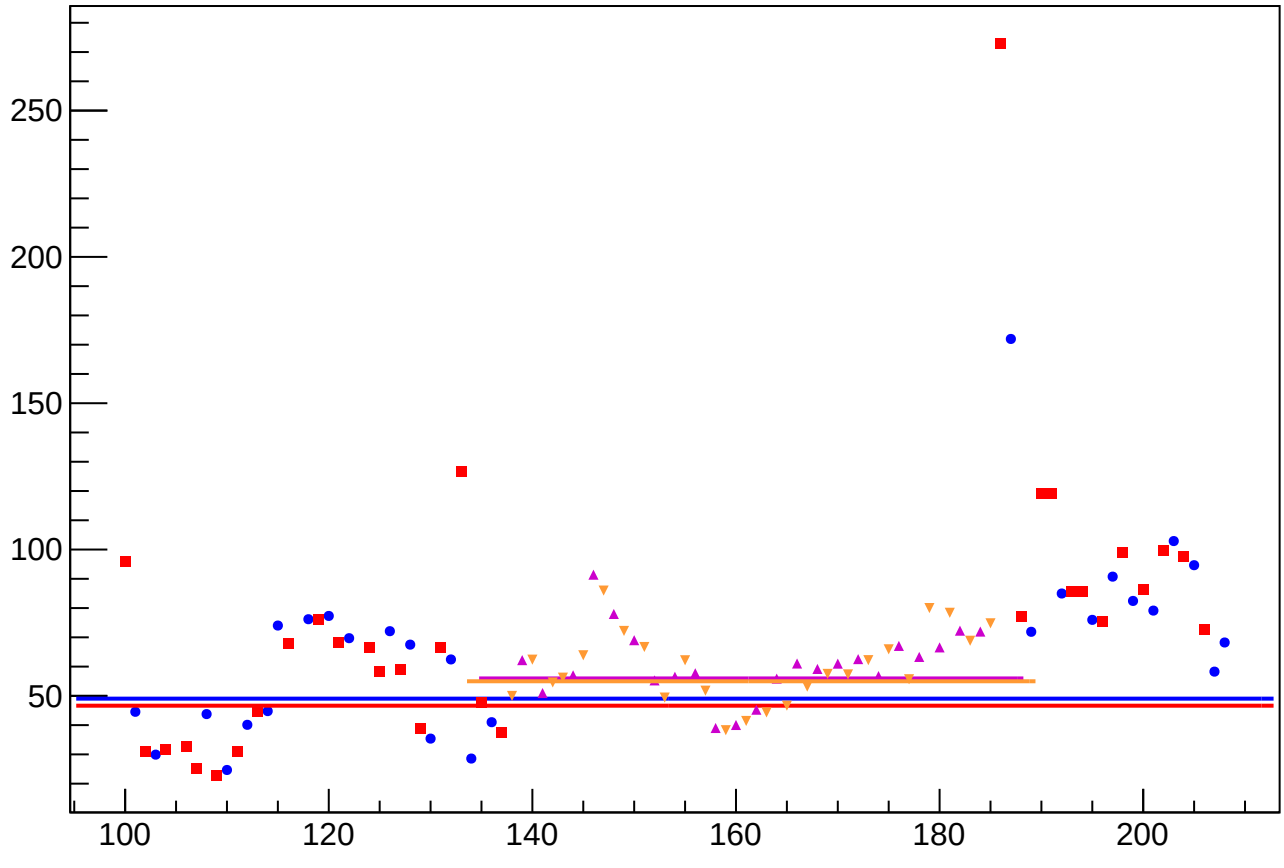
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 89.6/57

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.000+/-0.007 χ^2/NDF: 129.9/105



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

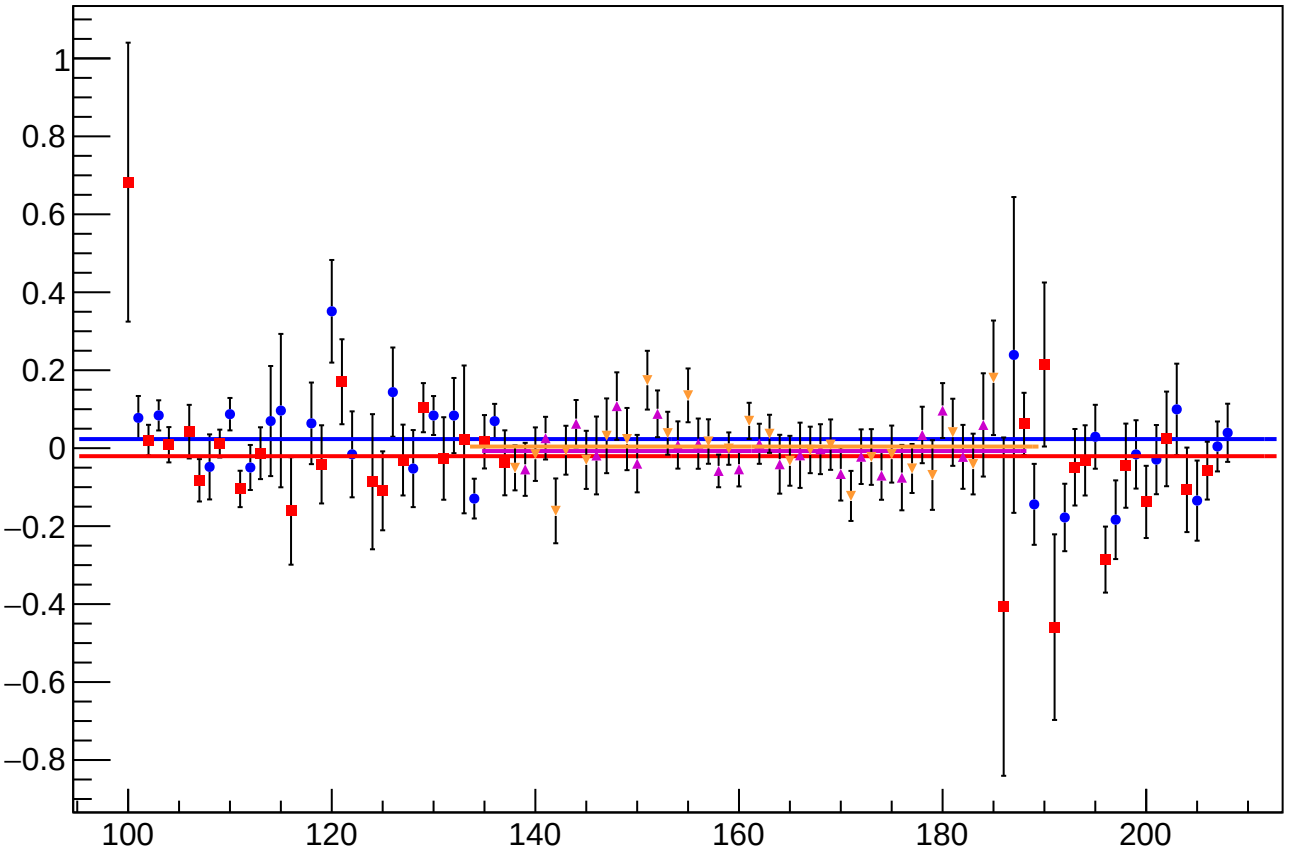
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 47.817+/-0.007 χ^2/NDF: 12074532.9/57

In: 52.584+/-0.007 χ^2/NDF:6655325.5/49

Out: 50.986+/-0.007 χ^2/NDF:9013749.9/55

All: 51.758+/-0.005 χ^2/NDF: 15697283.5/105



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.021+/-0.014 χ^2/NDF: 40.1/30

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

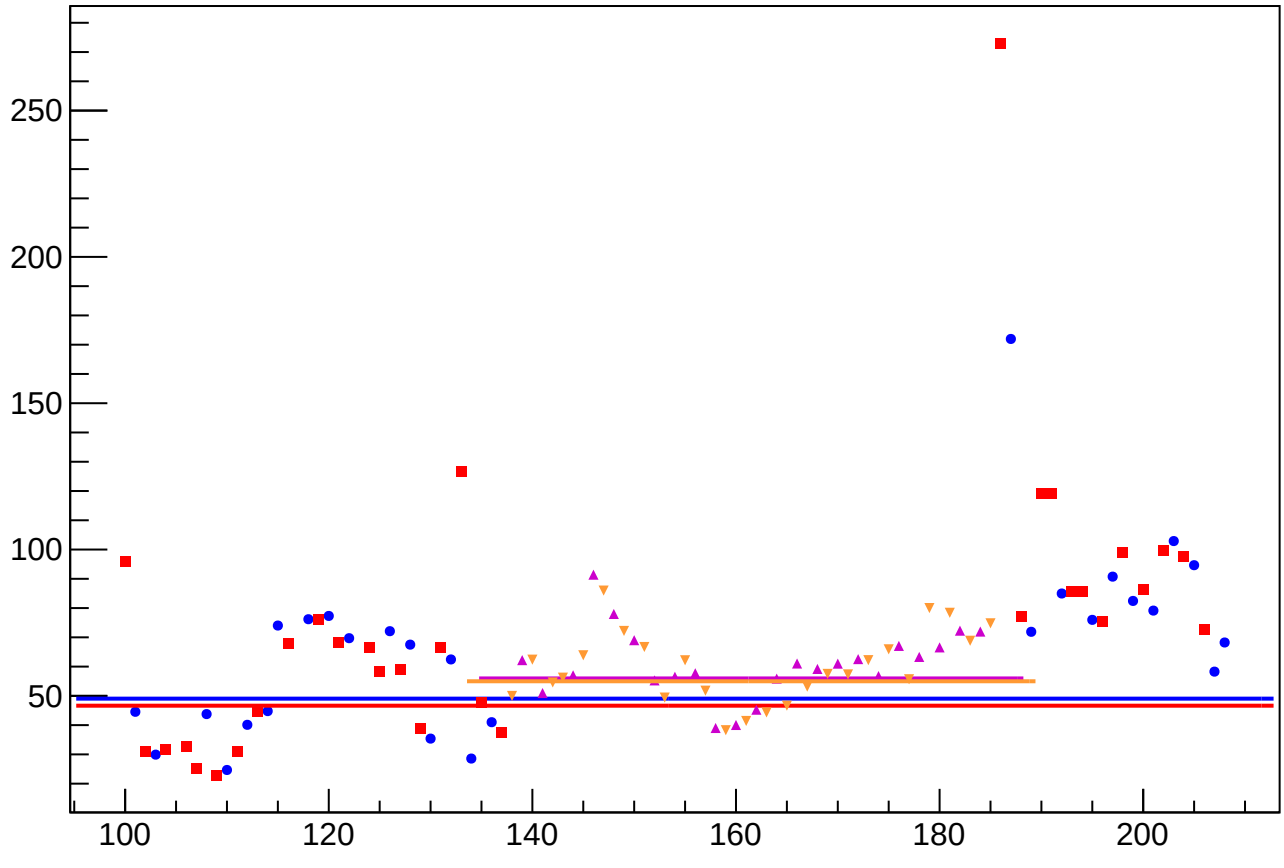
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 89.6/57

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.000+/-0.007 χ^2/NDF: 129.9/105



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

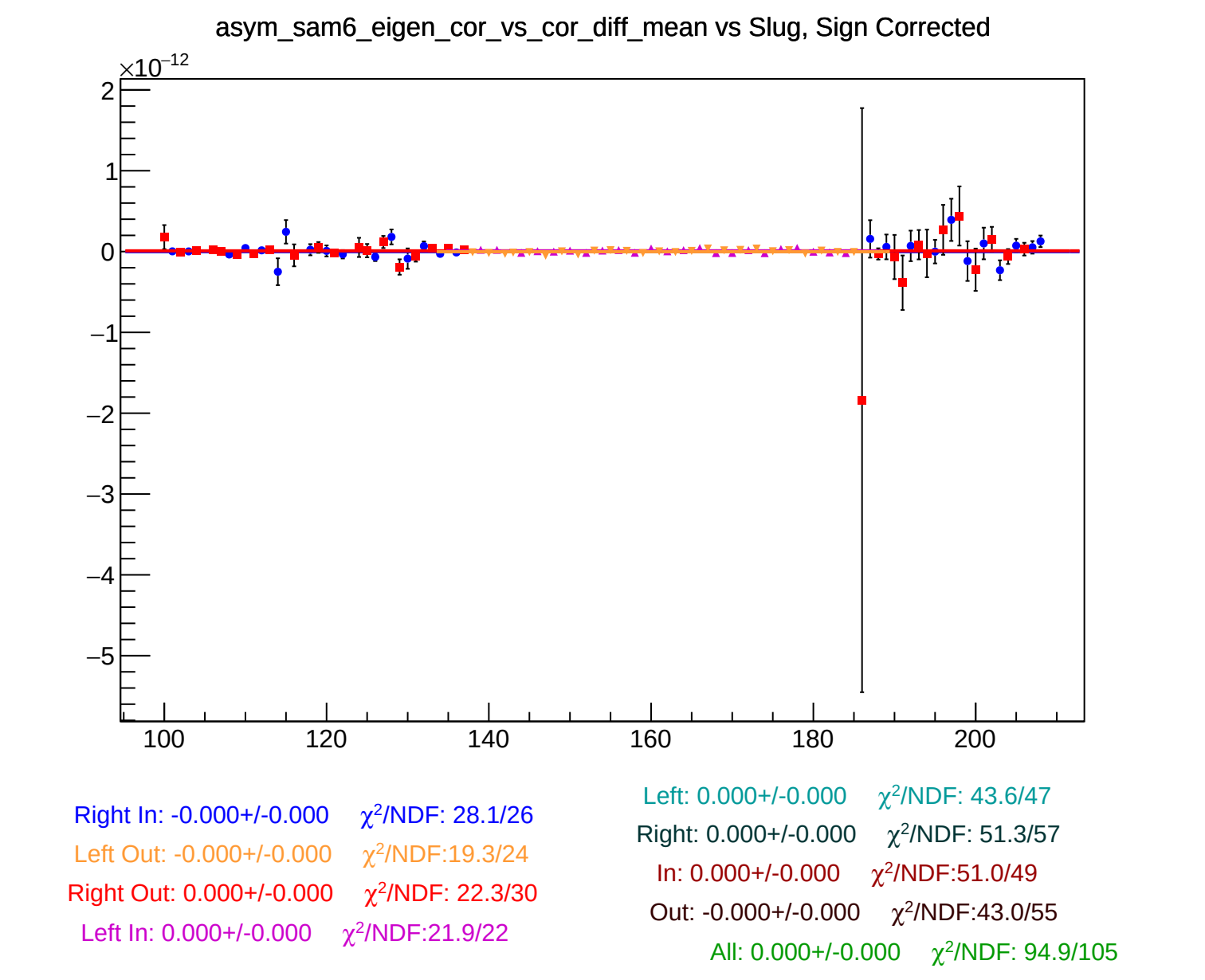
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

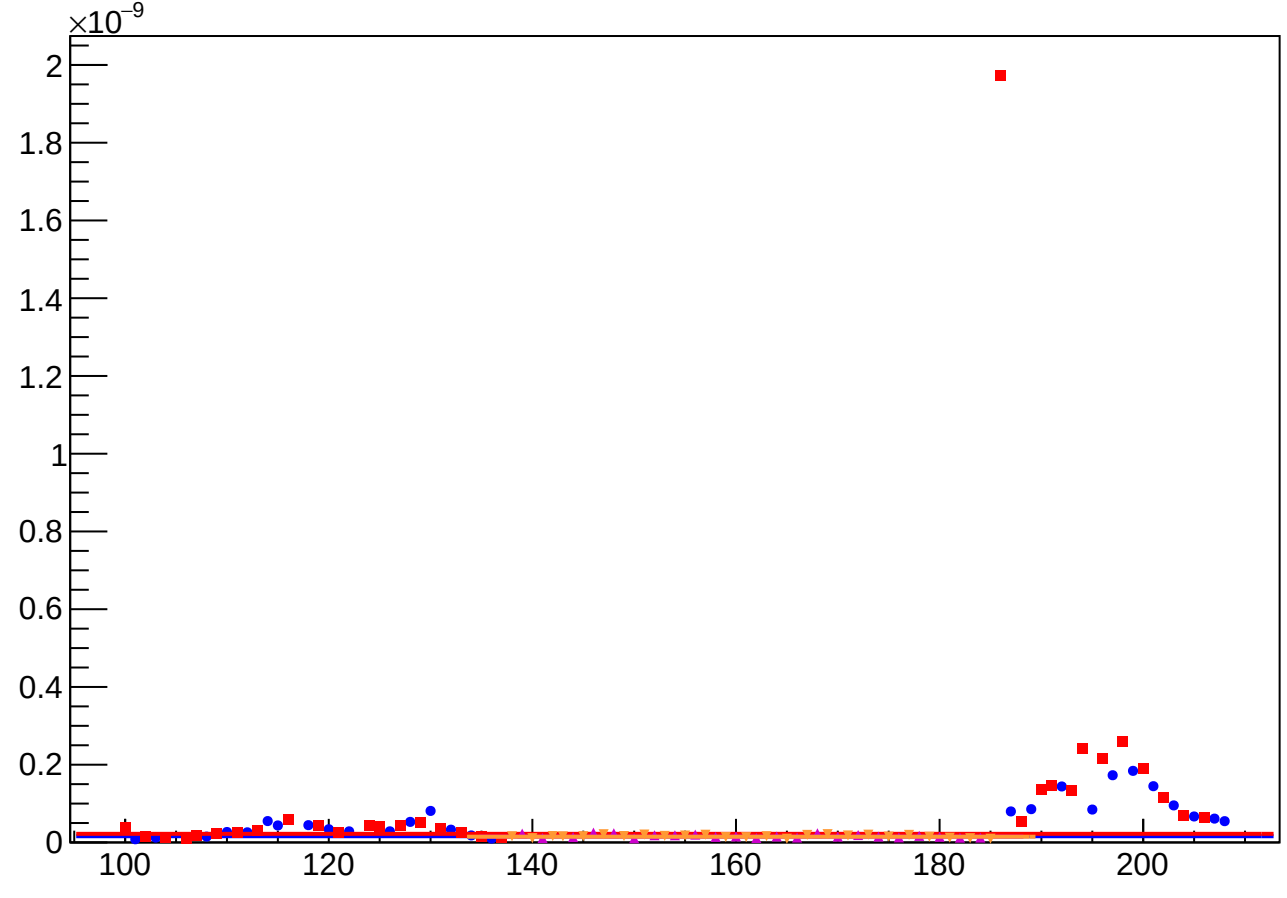
Right: 47.817+/-0.007 χ^2/NDF: 12074532.9/57

In: 52.584+/-0.007 χ^2/NDF:6655325.5/49

Out: 50.986+/-0.007 χ^2/NDF:9013749.9/55

All: 51.758+/-0.005 χ^2/NDF: 15697283.5/105


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.1/26
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/30
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: 51.3/57
In: 0.000+/-0.000 χ²/NDF:51.0/49
Out: -0.000+/-0.000 χ²/NDF:43.0/55
All: 0.000+/-0.000 χ²/NDF: 94.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 10692765.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10091213.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

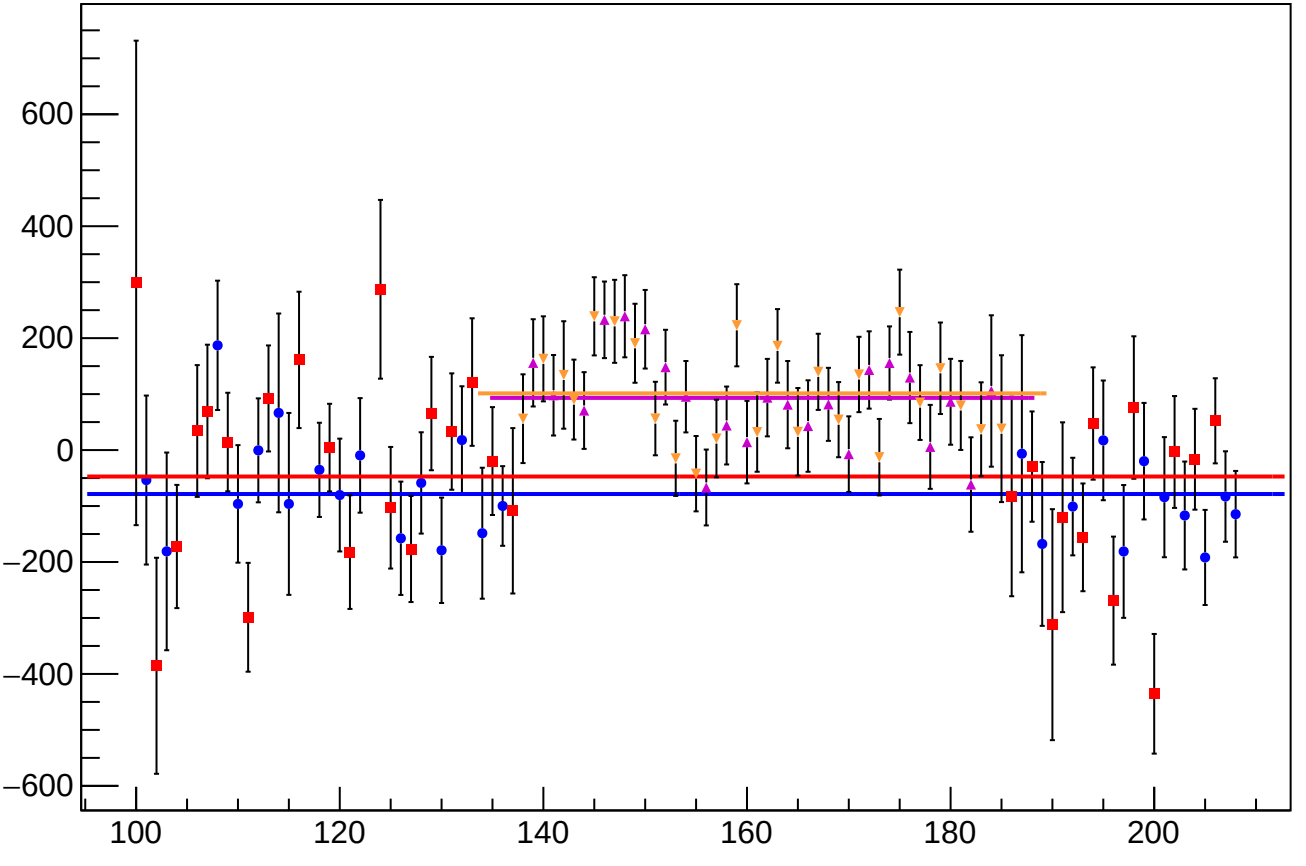
Right: 0.000+/-0.000 χ^2/NDF: 21367680.7/57

In: 0.000+/-0.000 χ^2/NDF:12155057.6/49

Out: 0.000+/-0.000 χ^2/NDF:12637411.9/55

All: 0.000+/-0.000 χ^2/NDF: 24844061.0/105

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.523+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -47.253+/-19.580 χ^2/NDF: 55.7/30

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

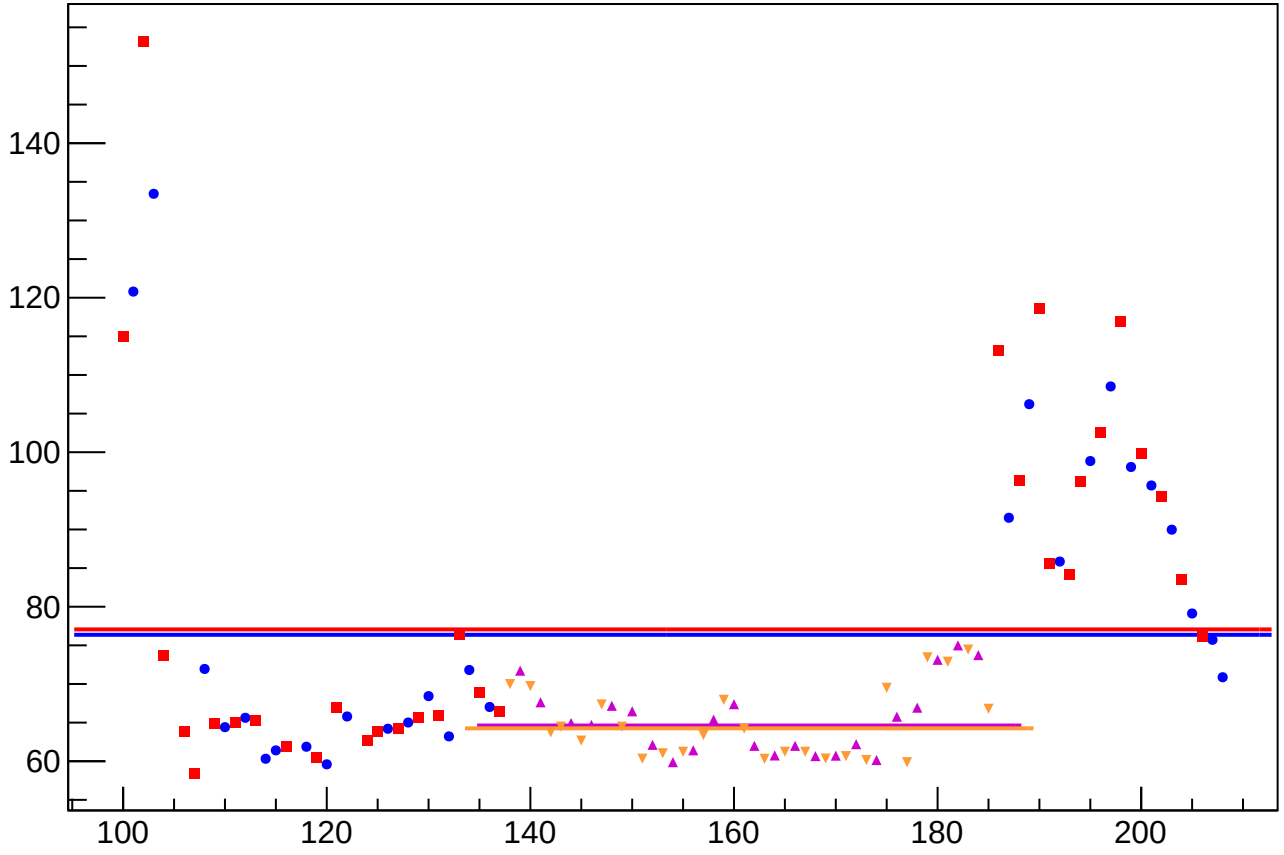
Right: -62.797+/-13.885 χ^2/NDF: 72.6/57

In: 29.454+/-12.001 χ^2/NDF:92.3/49

Out: 48.037+/-11.726 χ^2/NDF:126.5/55

All: 38.962+/-8.387 χ^2/NDF: 220.0/105

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.5/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.064+/-0.014 χ^2/NDF: 1582167.4/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

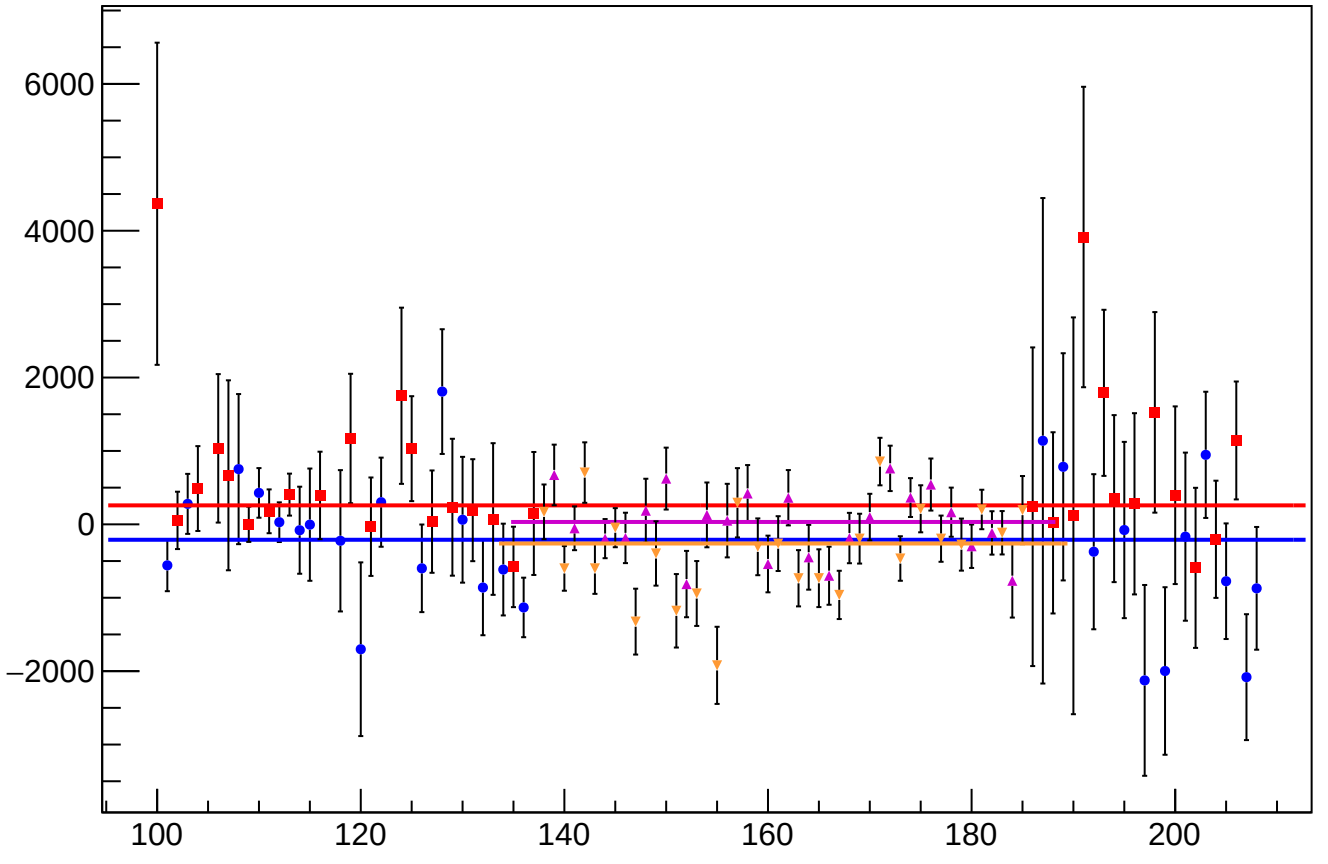
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.718+/-0.010 χ^2/NDF: 2896253.1/57

In: 68.983+/-0.008 χ^2/NDF:1907364.8/49

Out: 68.849+/-0.008 χ^2/NDF:2308759.5/55

All: 68.915+/-0.006 χ^2/NDF: 4216252.3/105



Right In: -210.101+/-116.992 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 258.487+/-111.306 χ^2/NDF: 20.7/30

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

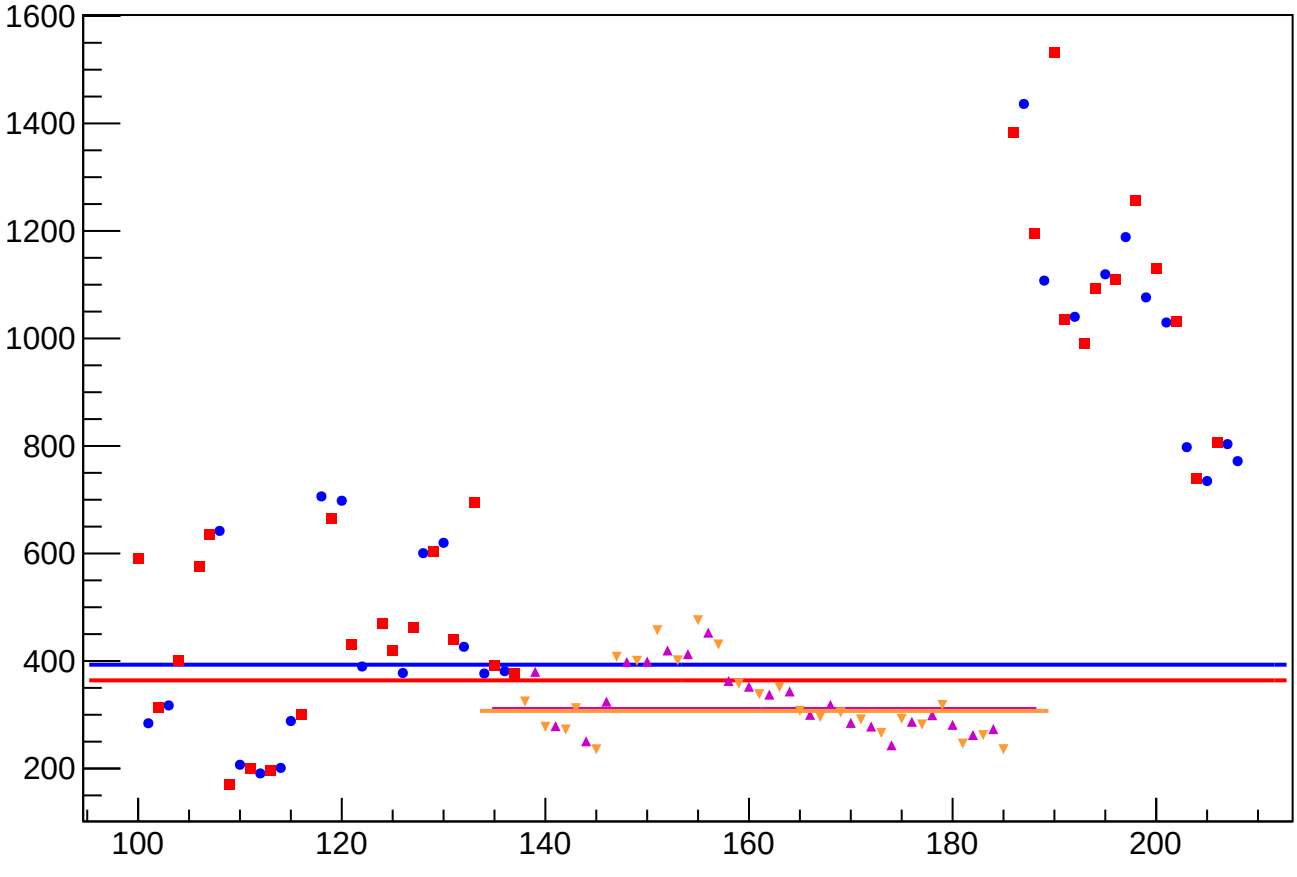
Right: 35.857+/-80.640 χ^2/NDF: 65.0/57

In: -36.662+/-62.441 χ^2/NDF:70.6/49

Out: -110.038+/-60.019 χ^2/NDF:95.0/55

All: -74.800+/-43.271 χ^2/NDF: 166.3/105

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 393.123+/-0.083 χ^2/NDF: 8845876.5/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 363.968+/-0.079 χ^2/NDF: 11096924.6/30

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

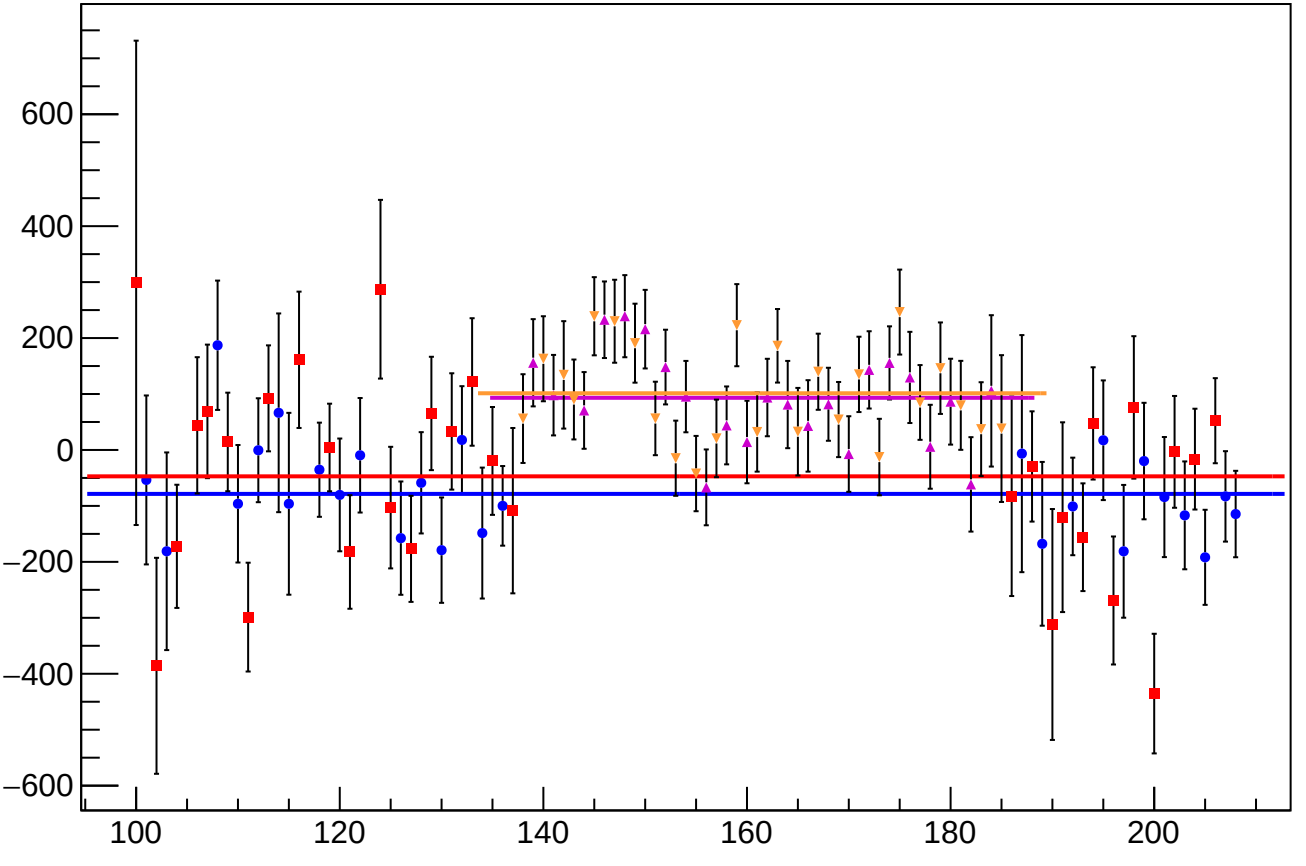
Right: 377.820+/-0.057 χ^2/NDF: 20007993.9/57

In: 334.177+/-0.044 χ^2/NDF:10635308.6/49

Out: 323.666+/-0.042 χ^2/NDF:12786787.9/55

All: 328.714+/-0.031 χ^2/NDF: 23451553.1/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -47.143+/-19.597 χ^2/NDF: 55.8/30

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

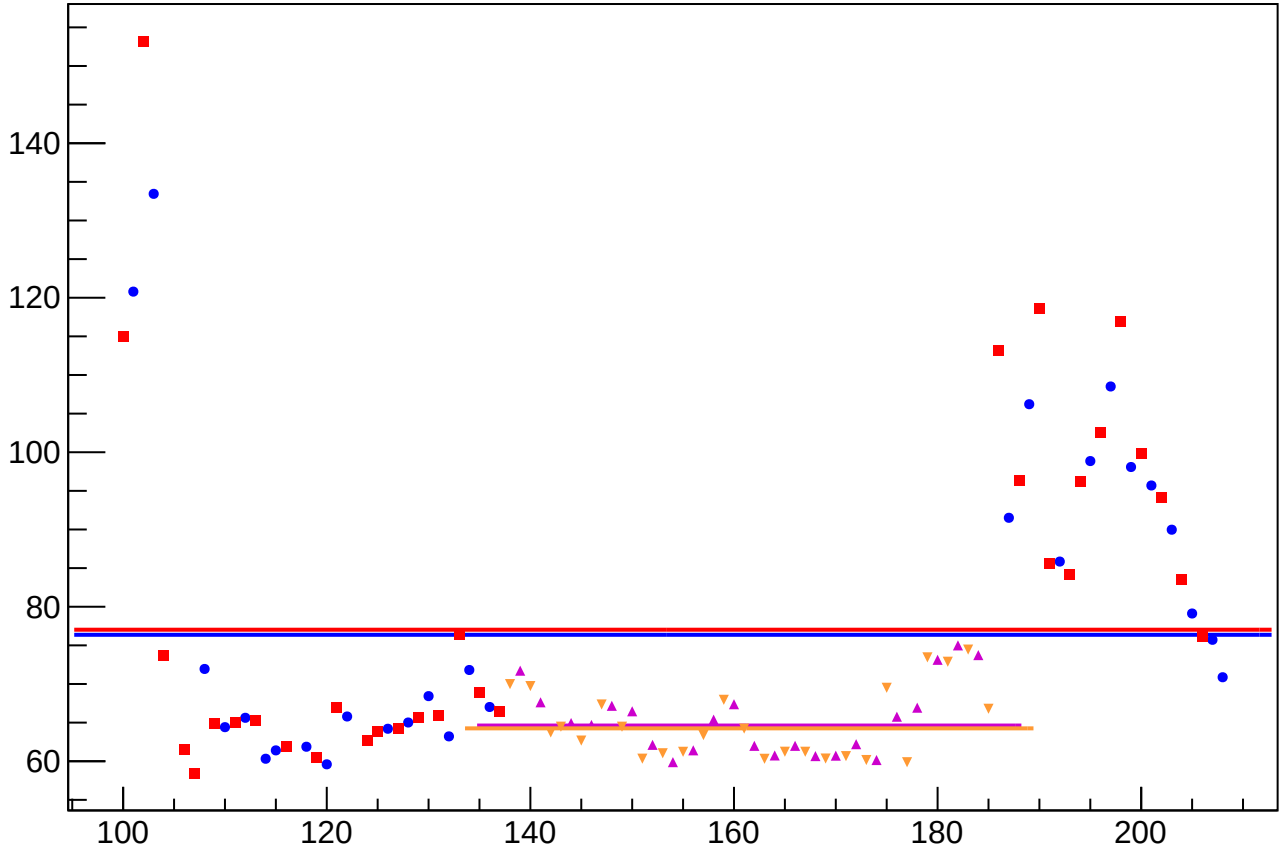
Right: -62.757+/-13.892 χ^2/NDF: 72.7/57

In: 29.453+/-12.001 χ^2/NDF:92.3/49

Out: 48.139+/-11.730 χ^2/NDF:126.5/55

All: 39.010+/-8.389 χ^2/NDF: 220.0/105

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

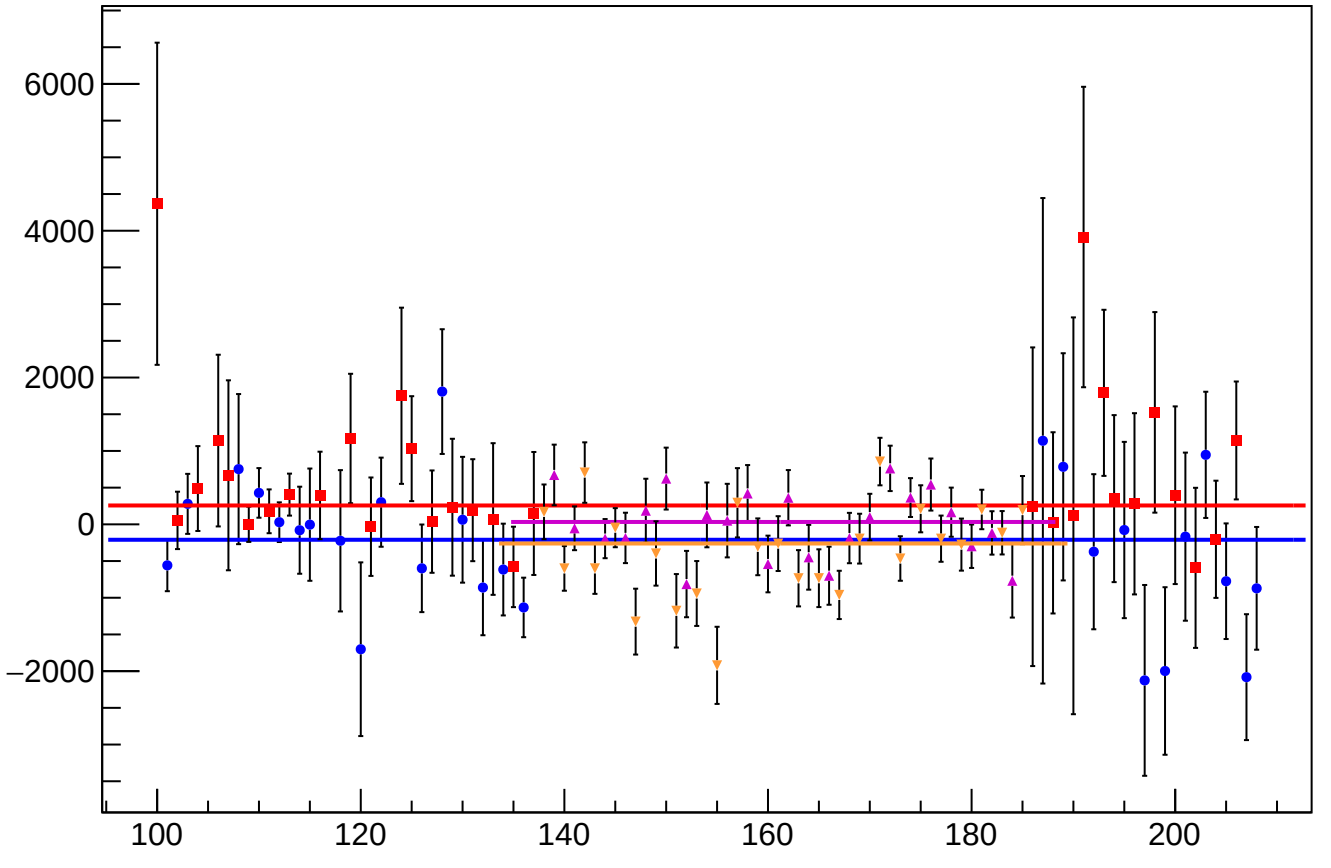
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.699+/-0.010 χ^2/NDF: 2903621.3/57

In: 68.983+/-0.008 χ^2/NDF:1907365.2/49

Out: 68.831+/-0.008 χ^2/NDF:2312440.4/55

All: 68.905+/-0.006 χ^2/NDF: 4219971.7/105



Right In: -210.098+/-116.993 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 257.079+/-111.480 χ^2/NDF: 20.7/30

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

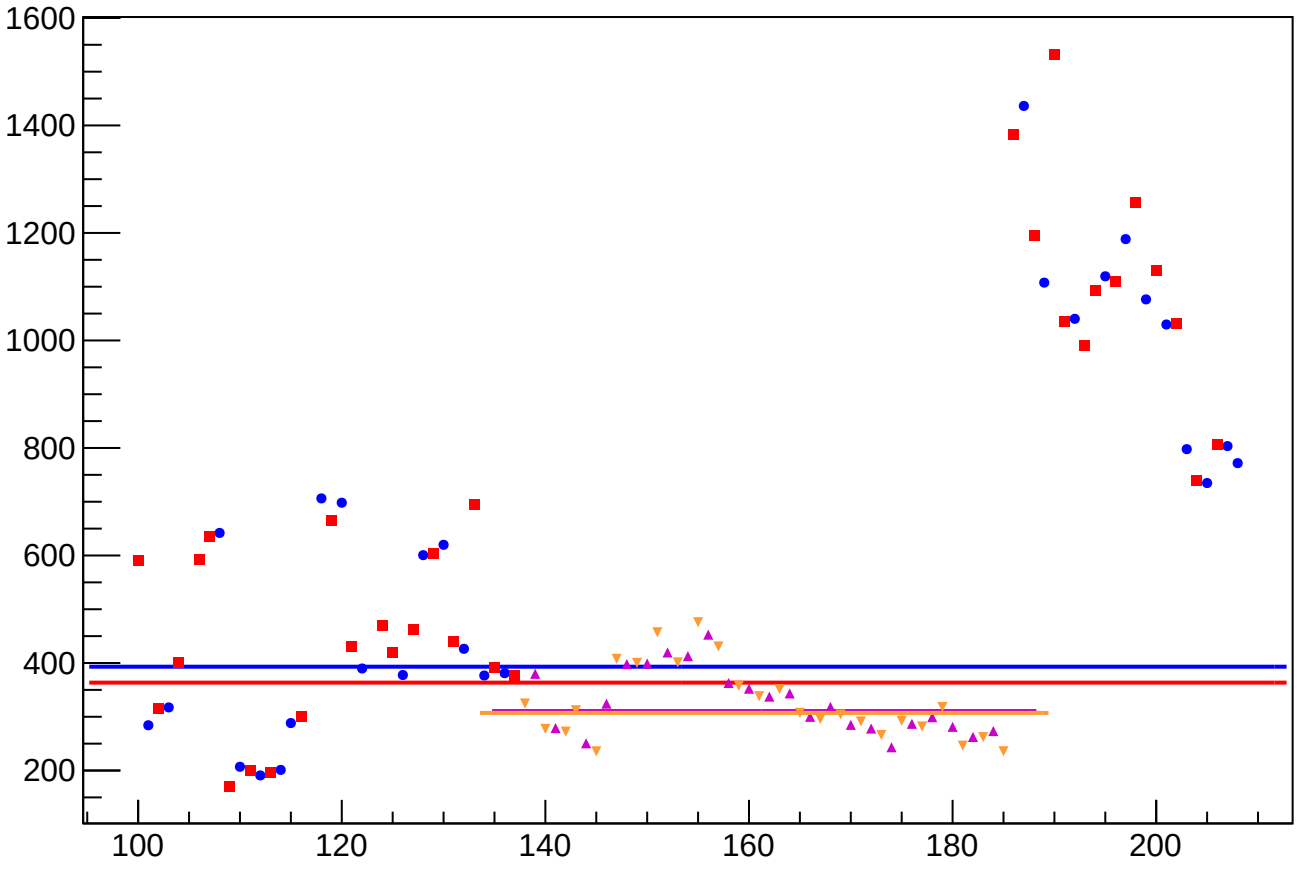
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 34.755+/-80.707 χ^2/NDF: 64.9/57

In: -36.663+/-62.441 χ^2/NDF:70.6/49

Out: -110.782+/-60.047 χ^2/NDF:94.9/55

All: -75.171+/-43.281 χ^2/NDF: 166.2/105



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

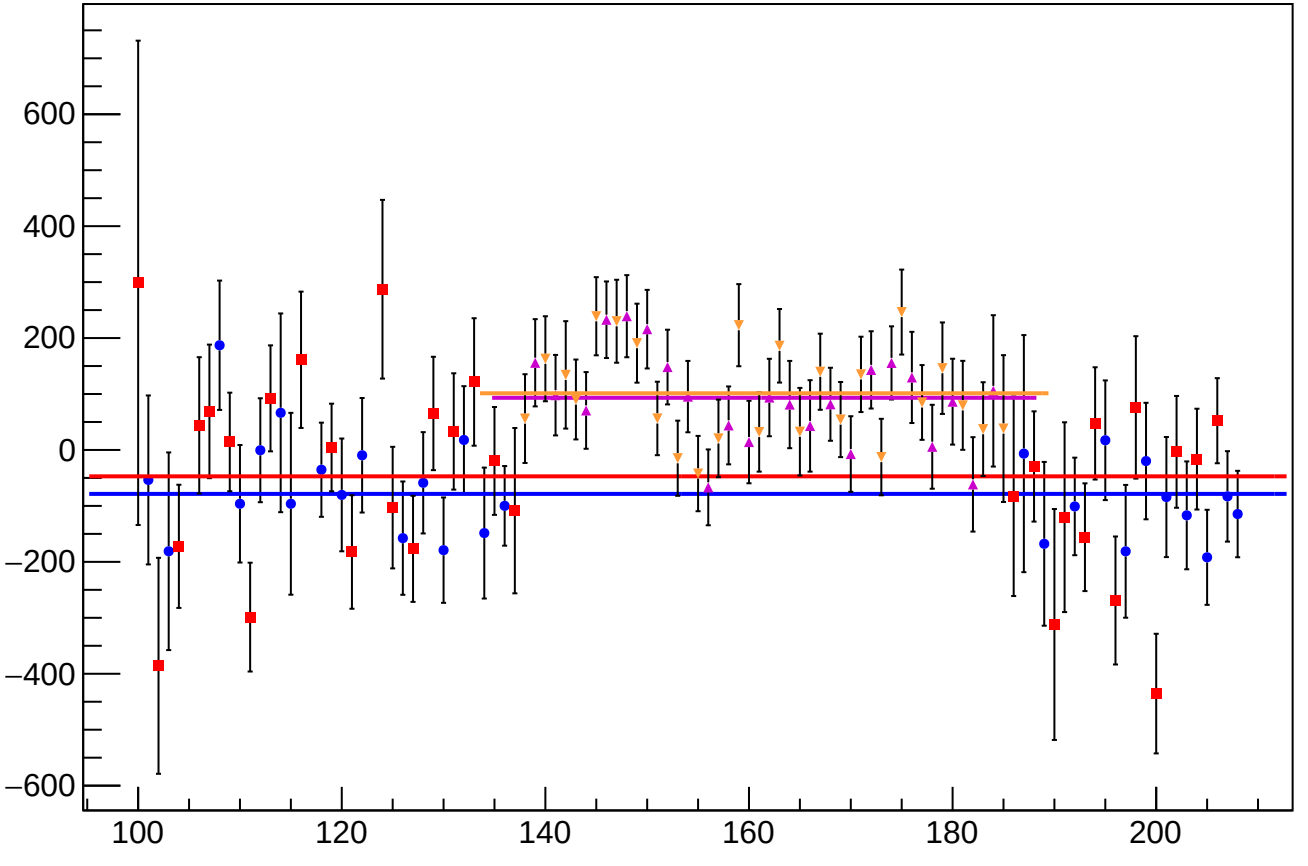
Right: 377.598+/-0.057 χ^2/NDF: 19999236.1/57

In: 334.178+/-0.044 χ^2/NDF:10635300.0/49

Out: 323.493+/-0.042 χ^2/NDF:12769166.8/55

All: 328.627+/-0.031 χ^2/NDF: 23434890.4/10

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -47.143+/-19.597 χ^2/NDF: 55.8/30

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

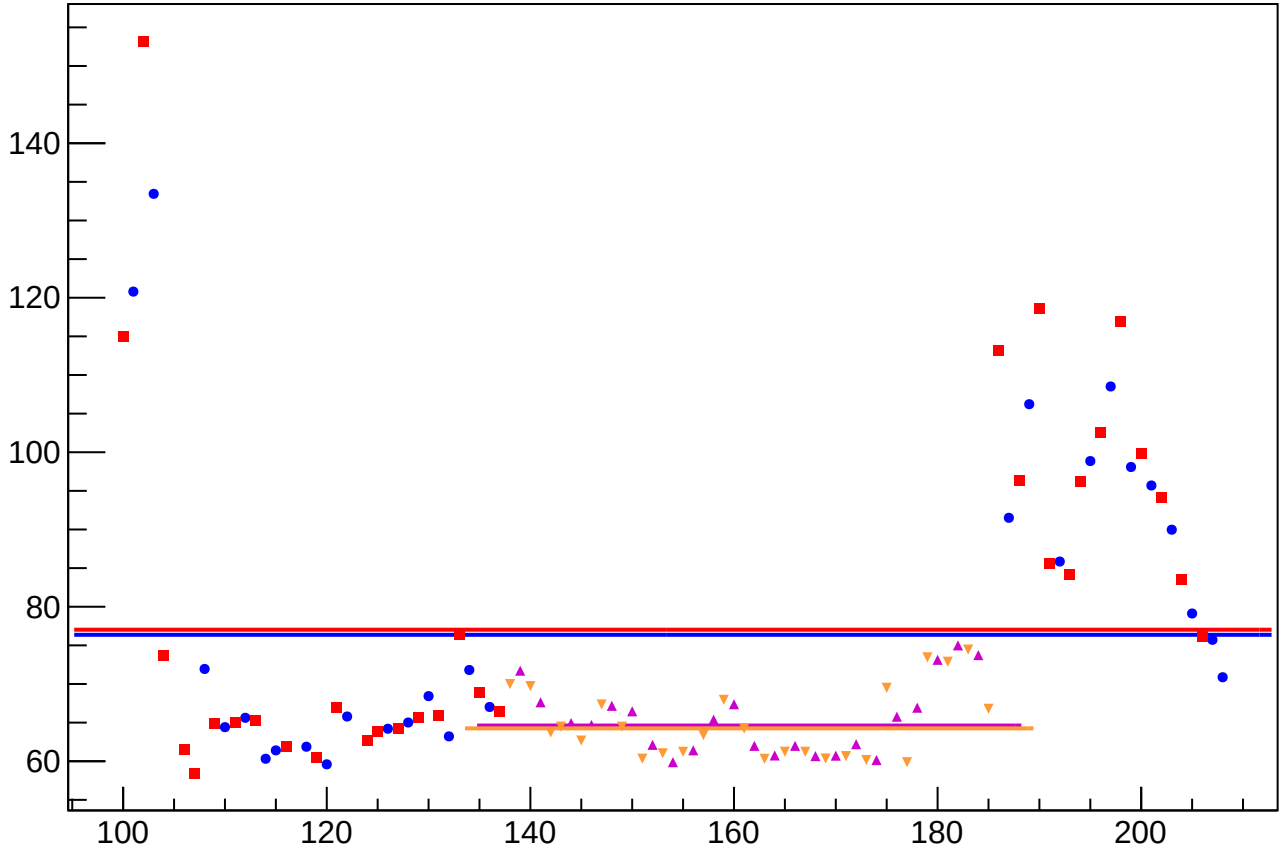
Right: -62.757+/-13.892 χ^2/NDF: 72.7/57

In: 29.453+/-12.001 χ^2/NDF:92.3/49

Out: 48.139+/-11.730 χ^2/NDF:126.5/55

All: 39.010+/-8.389 χ^2/NDF: 220.0/105

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

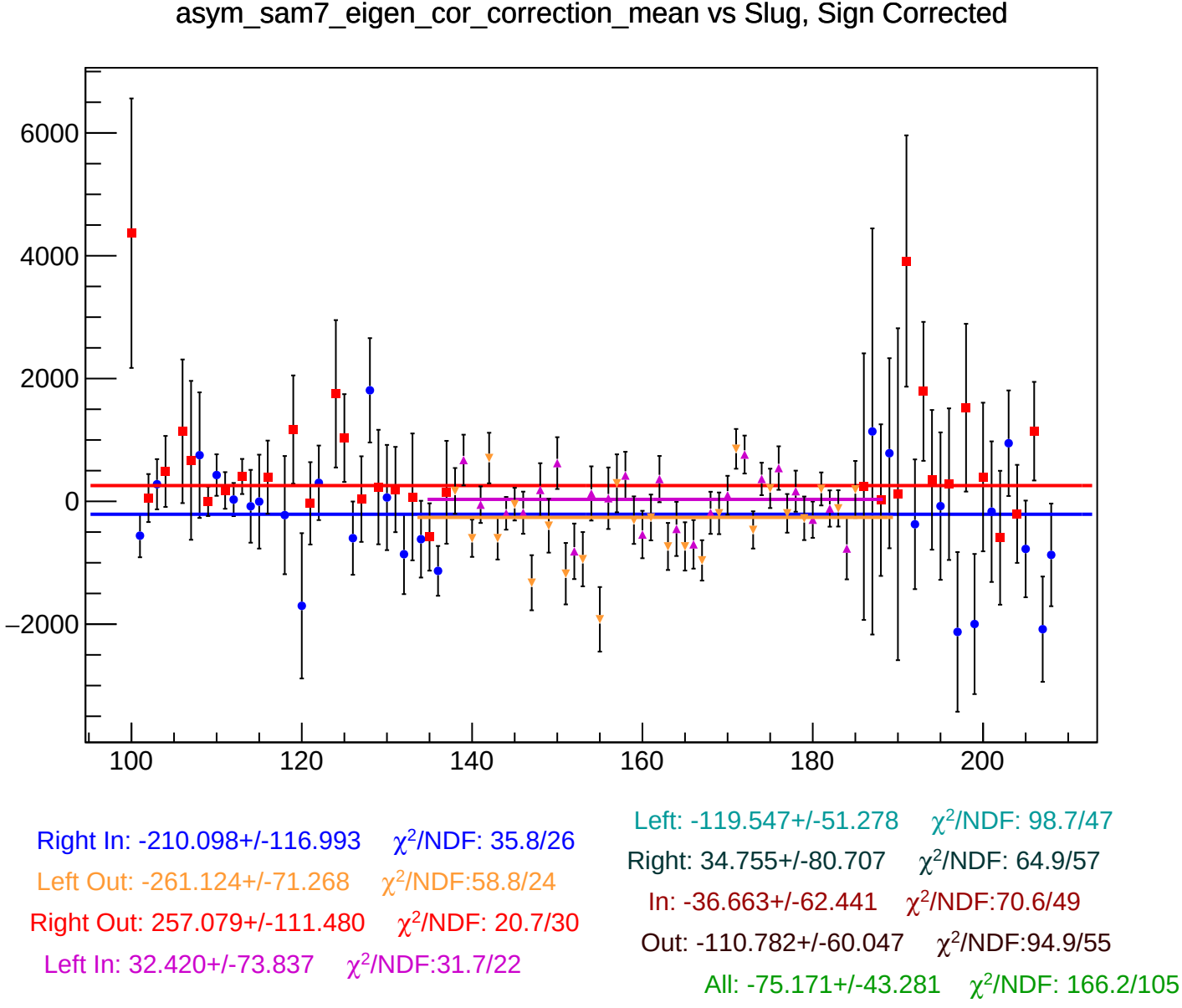
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.699+/-0.010 χ^2/NDF: 2903621.3/57

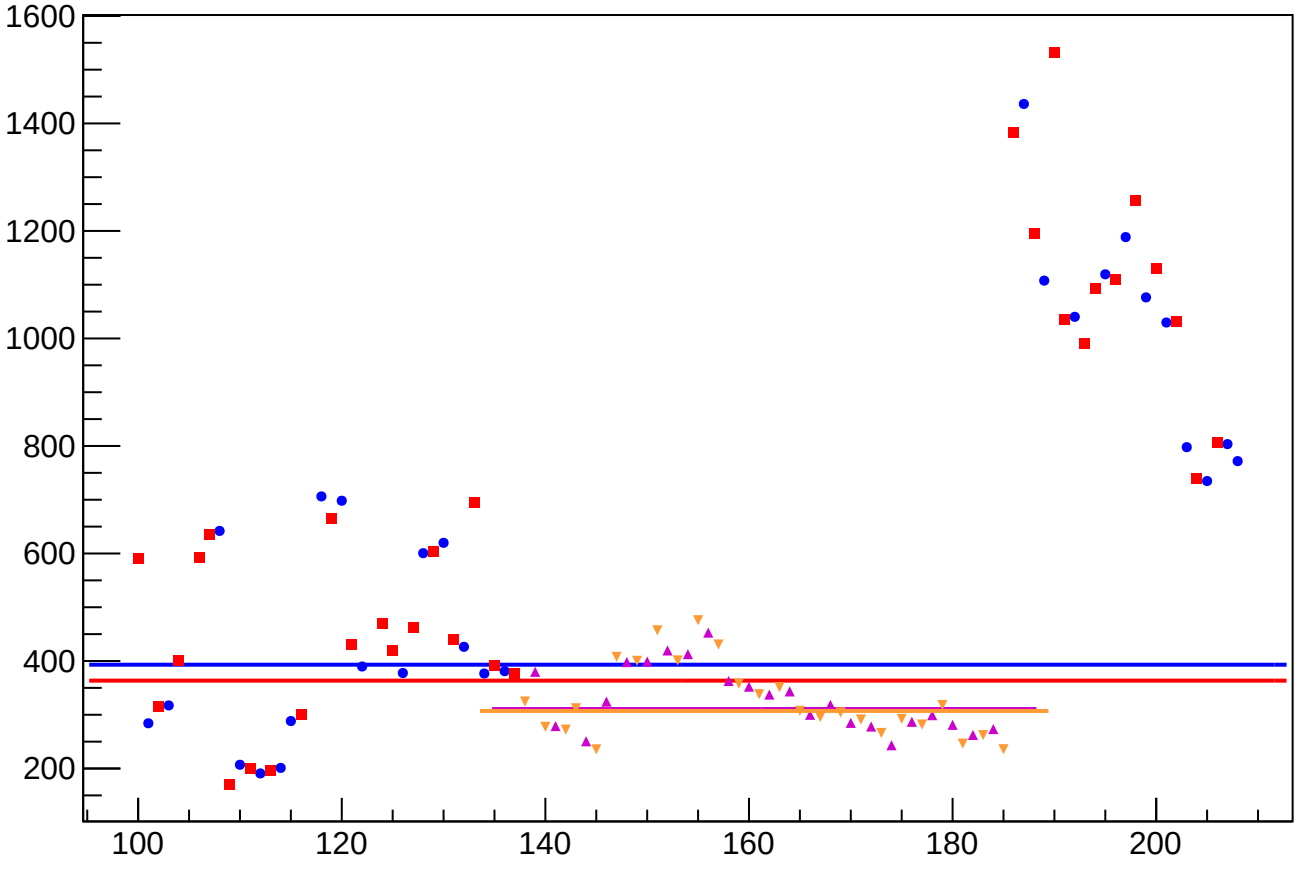
In: 68.983+/-0.008 χ^2/NDF:1907365.2/49

Out: 68.831+/-0.008 χ^2/NDF:2312440.4/55

All: 68.905+/-0.006 χ^2/NDF: 4219971.7/105


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -210.098+/-116.993 χ²/NDF: 35.8/26
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 257.079+/-111.480 χ²/NDF: 20.7/30
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 34.755+/-80.707 χ²/NDF: 64.9/57
In: -36.663+/-62.441 χ²/NDF:70.6/49
Out: -110.782+/-60.047 χ²/NDF:94.9/55
All: -75.171+/-43.281 χ²/NDF: 166.2/105

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

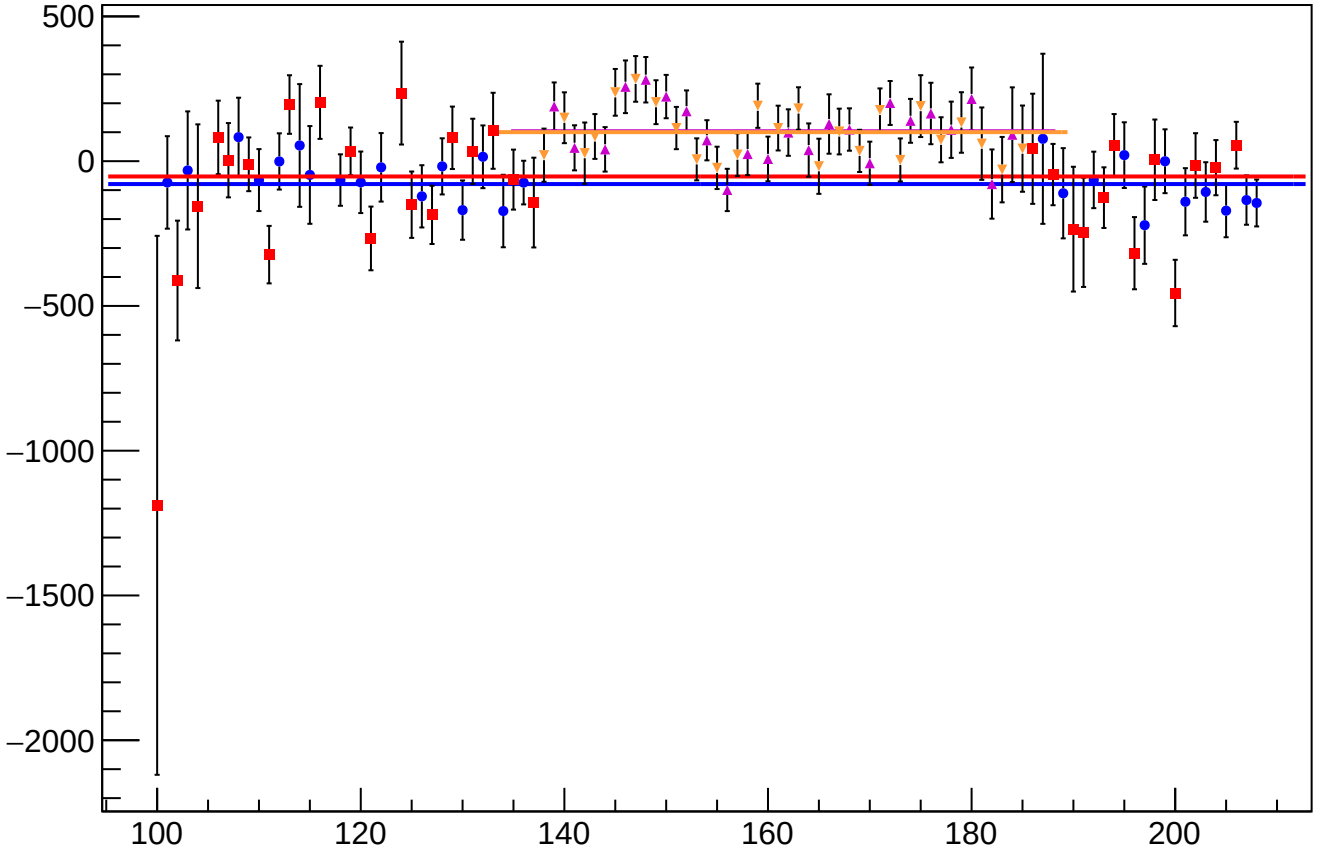
Right: 377.598+/-0.057 χ^2/NDF: 19999236.1/57

In: 334.178+/-0.044 χ^2/NDF:10635300.0/49

Out: 323.493+/-0.042 χ^2/NDF:12769166.8/55

All: 328.627+/-0.031 χ^2/NDF: 23434890.4/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -79.069+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -52.864+/-21.258 χ^2/NDF: 60.2/30

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

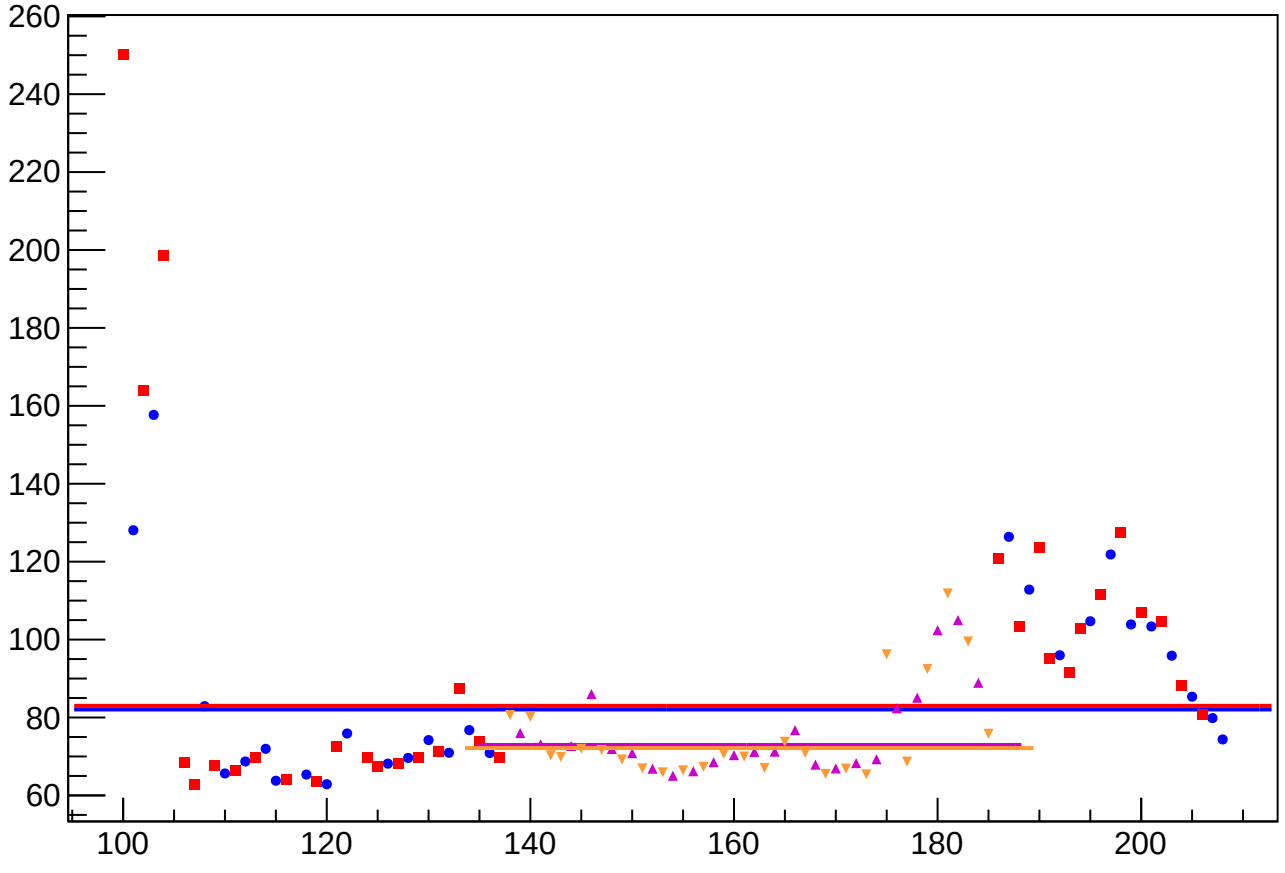
Right: -65.985+/-15.021 χ^2/NDF: 71.6/57

In: 30.752+/-13.392 χ^2/NDF:87.8/49

Out: 42.159+/-13.096 χ^2/NDF:120.1/55

All: 36.583+/-9.363 χ^2/NDF: 208.3/105

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.064+/-0.015 χ^2/NDF: 1467074.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.997+/-0.015 χ^2/NDF: 2072818.2/30

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

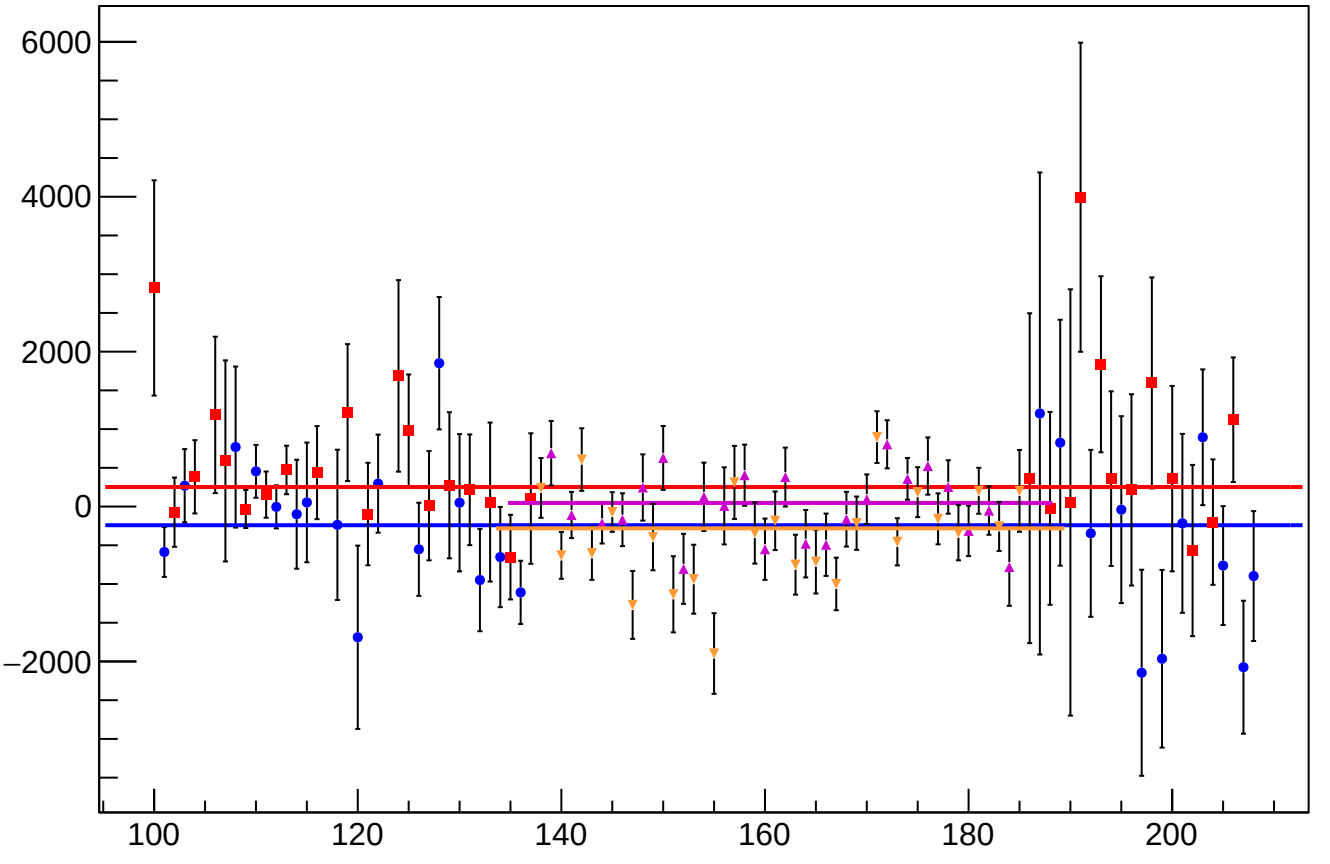
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.530+/-0.011 χ^2/NDF: 3541820.8/57

In: 76.577+/-0.009 χ^2/NDF:2198146.7/49

Out: 76.266+/-0.009 χ^2/NDF:3037905.1/55

All: 76.418+/-0.007 χ^2/NDF: 5236600.7/105



Right In: -241.030+/-119.079 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 252.187+/-113.304 χ^2/NDF: 22.3/30

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

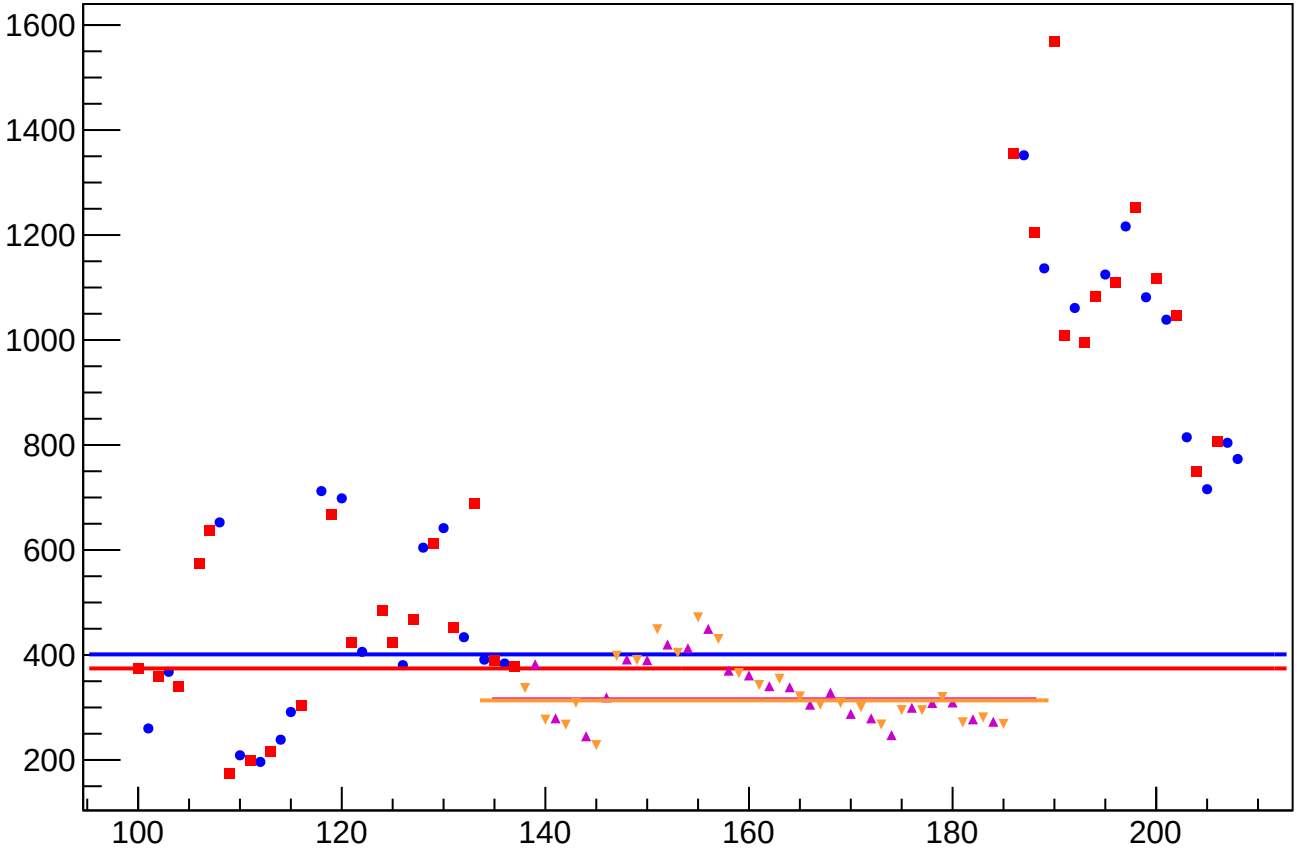
Right: 17.828+/-82.084 χ^2/NDF: 66.6/57

In: -34.955+/-63.399 χ^2/NDF:70.2/49

Out: -126.142+/-61.091 χ^2/NDF:94.8/55

All: -82.239+/-43.991 χ^2/NDF: 166.1/105

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 401.141+/-0.084 χ^2/NDF: 8747099.9/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 374.376+/-0.080 χ^2/NDF: 10708471.8/30

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

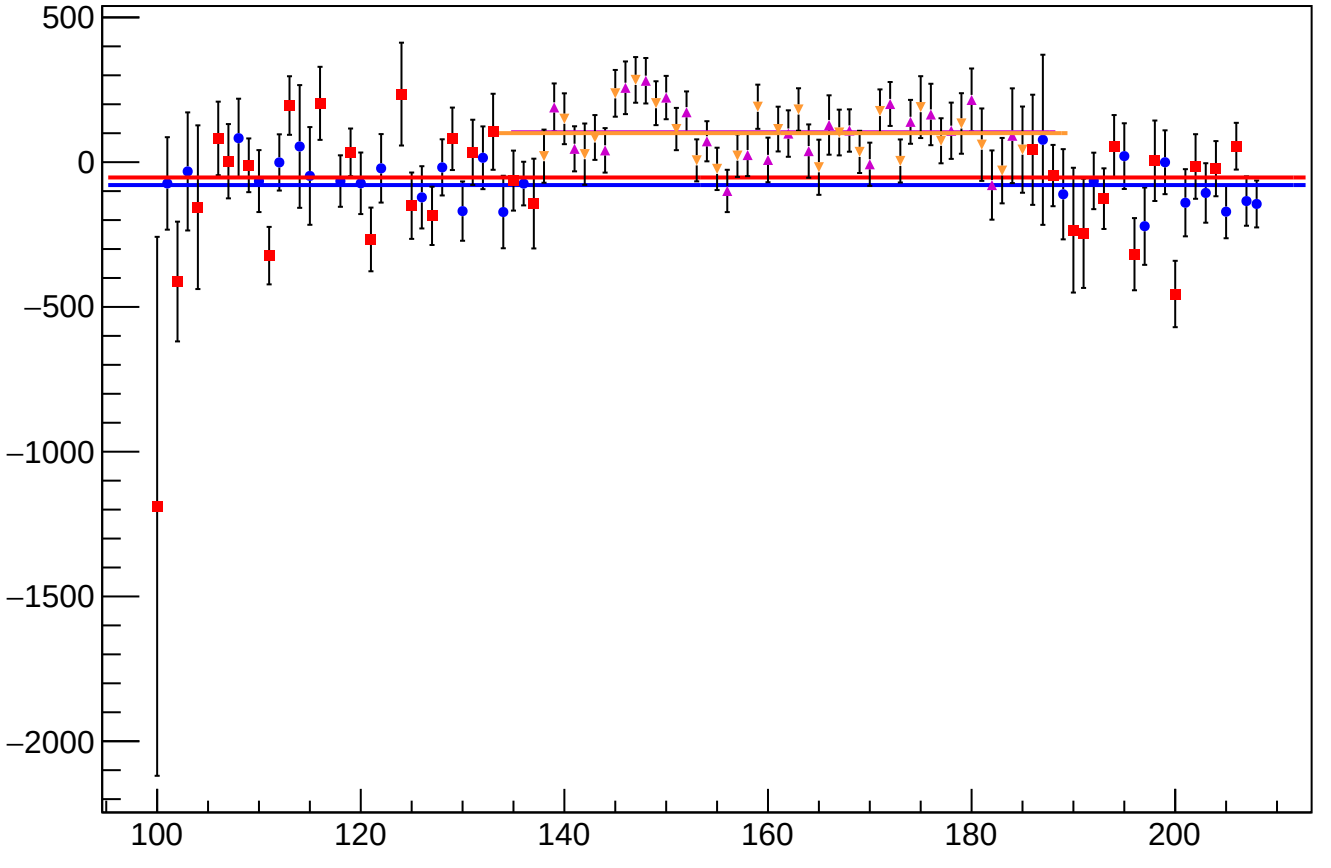
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 387.093+/-0.058 χ^2/NDF: 19508601.0/57

In: 339.744+/-0.045 χ^2/NDF:10497635.7/49

Out: 331.197+/-0.043 χ^2/NDF:12293494.3/55

All: 335.312+/-0.031 χ^2/NDF: 22809977.1/10



Right In: -79.068+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -52.864+/-21.258 χ^2/NDF: 60.2/30

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

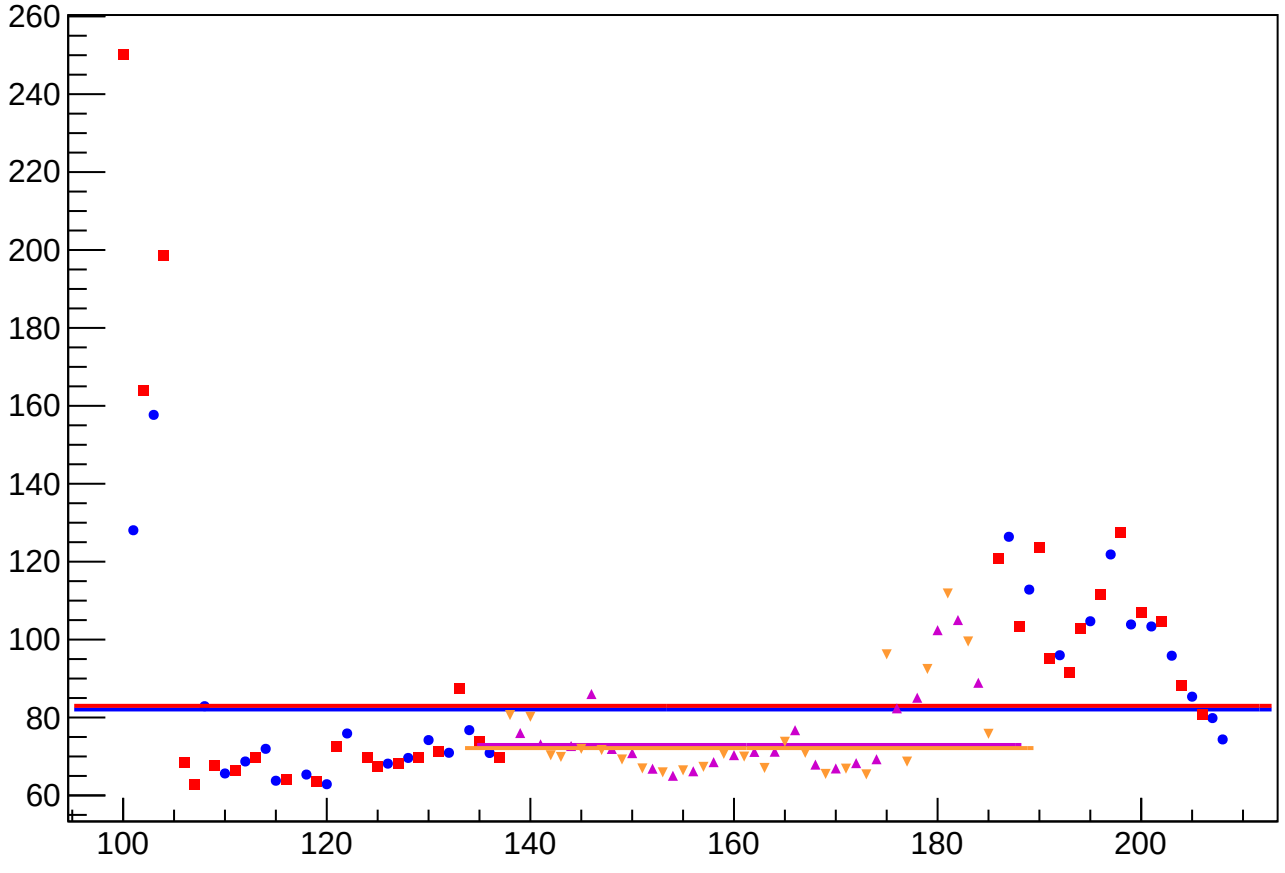
Right: -65.985+/-15.021 χ^2/NDF: 71.6/57

In: 30.752+/-13.392 χ^2/NDF:87.8/49

Out: 42.158+/-13.096 χ^2/NDF:120.1/55

All: 36.583+/-9.363 χ^2/NDF: 208.3/105

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.064+/-0.015 χ^2/NDF: 1467082.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 82.997+/-0.015 χ^2/NDF: 2072819.9/30

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

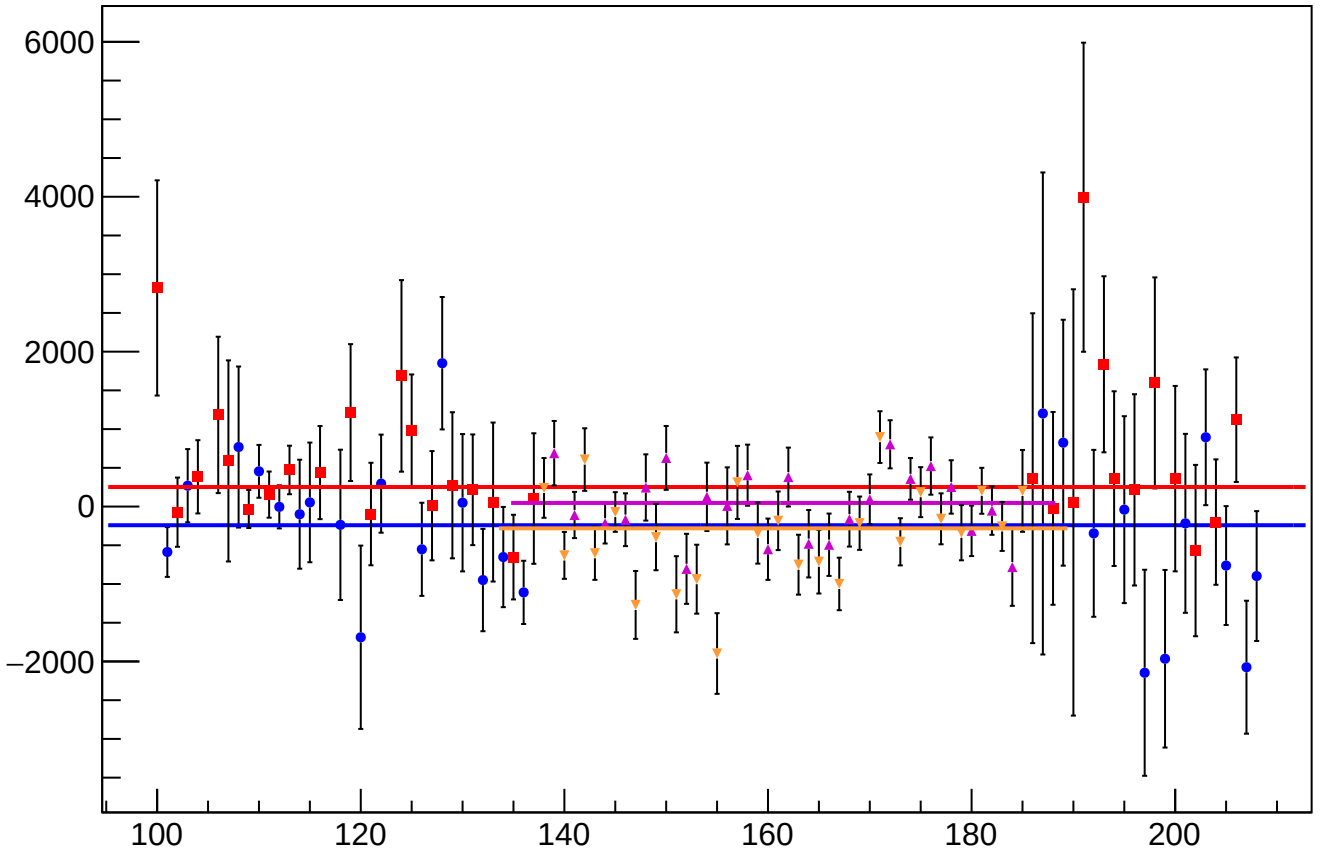
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 82.530+/-0.011 χ^2/NDF: 3541830.5/57

In: 76.577+/-0.009 χ^2/NDF:2198149.3/49

Out: 76.266+/-0.009 χ^2/NDF:3037897.9/55

All: 76.418+/-0.007 χ^2/NDF: 5236596.1/105



Right In: -241.027+/-119.078 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 252.186+/-113.304 χ^2/NDF: 22.3/30

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

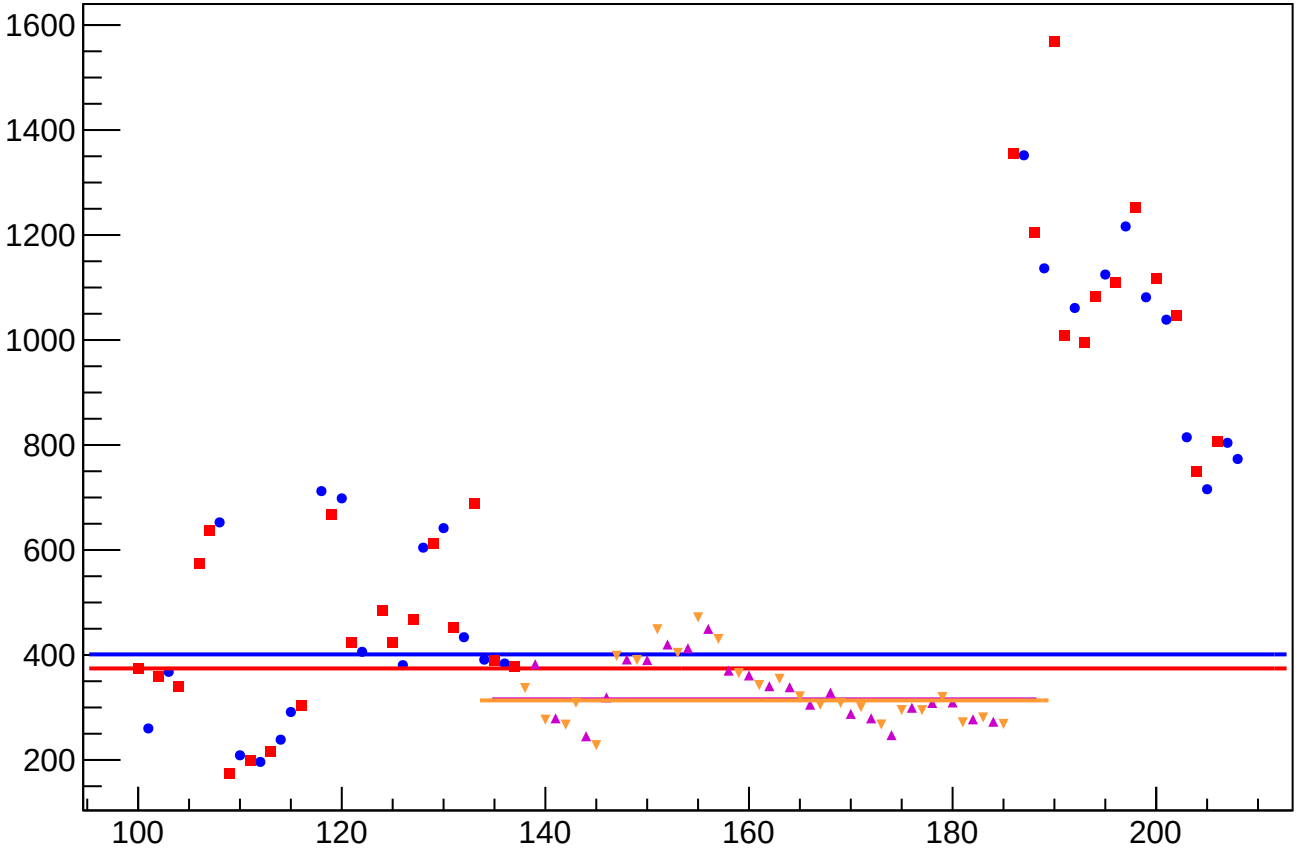
Right: 17.828+/-82.083 χ^2/NDF: 66.6/57

In: -34.955+/-63.399 χ^2/NDF:70.2/49

Out: -126.142+/-61.091 χ^2/NDF:94.8/55

All: -82.239+/-43.991 χ^2/NDF: 166.1/105

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 401.138+/-0.084 χ^2/NDF: 8747189.7/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 374.374+/-0.080 χ^2/NDF: 10708518.5/30

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

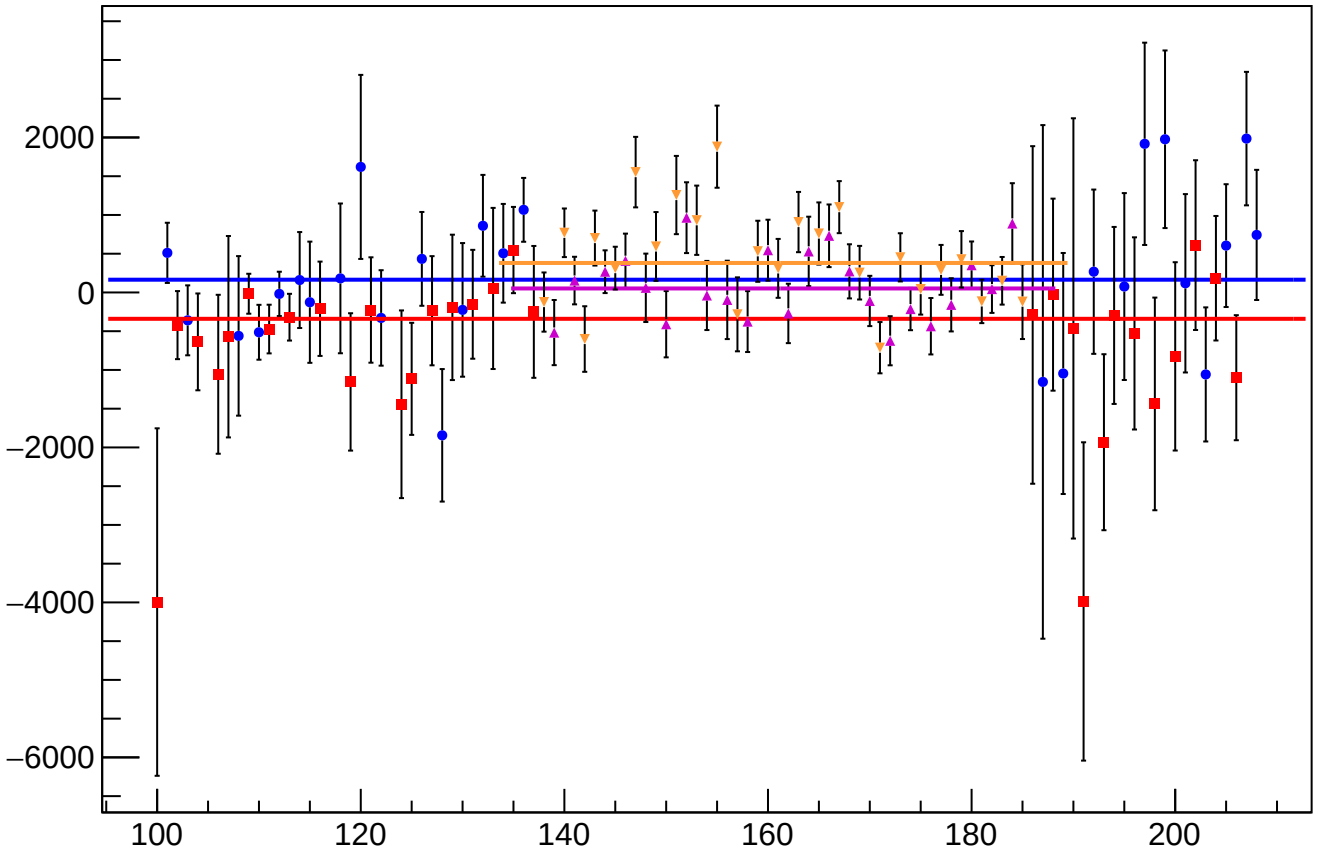
Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

Right: 387.091+/-0.058 χ^2/NDF: 19508733.7/57

In: 339.744+/-0.045 χ^2/NDF:10497673.4/49

Out: 331.197+/-0.043 χ^2/NDF:12293522.2/55

All: 335.312+/-0.031 χ^2/NDF: 22810042.6/10



Right In: 164.609+/-121.866 χ^2/NDF: 33.4/26

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -340.150+/-116.501 χ^2/NDF: 19.0/30

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

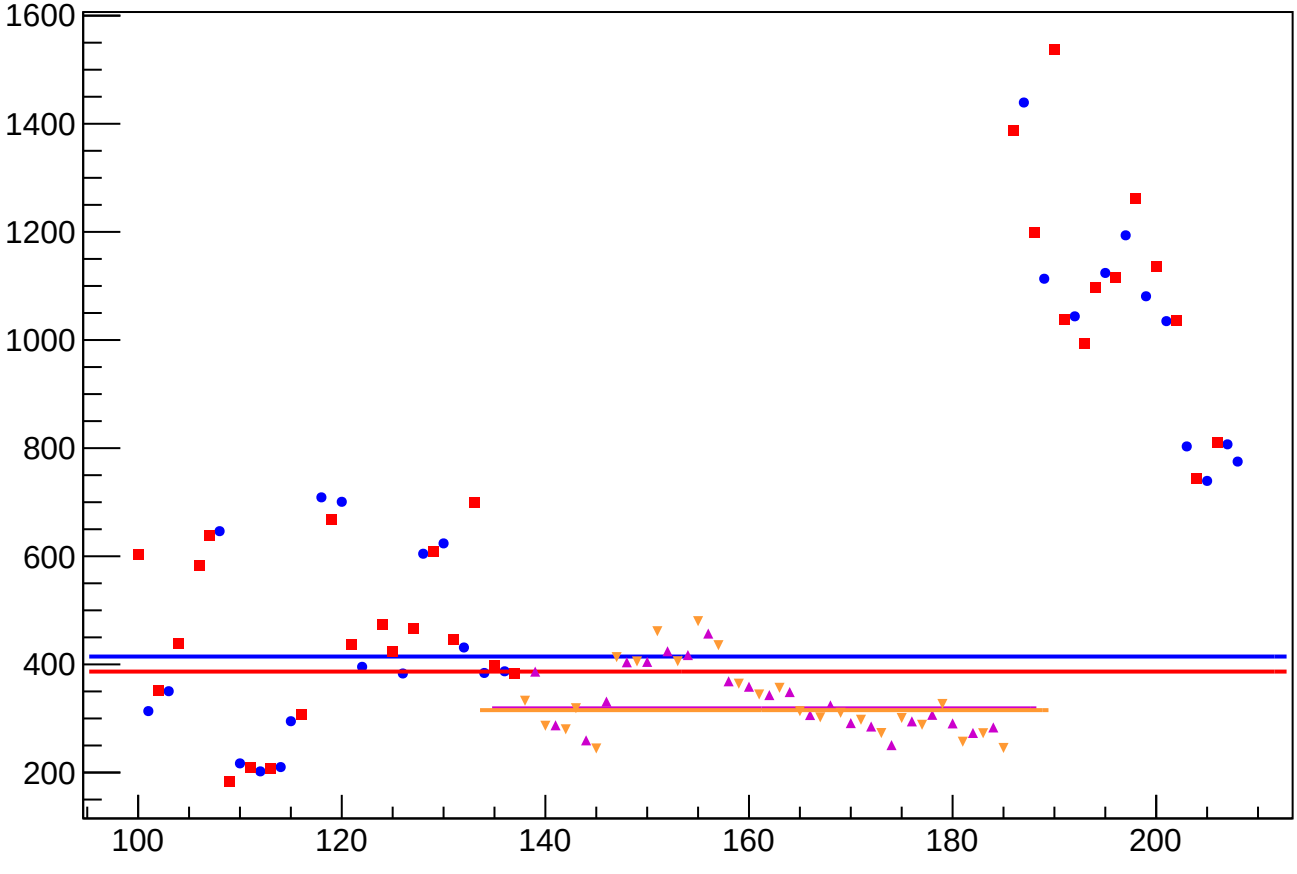
Right: -99.125+/-84.211 χ^2/NDF: 61.4/57

In: 82.931+/-64.260 χ^2/NDF:62.3/49

Out: 177.186+/-61.894 χ^2/NDF:101.9/55

All: 131.826+/-44.579 χ^2/NDF: 165.3/105

asym_sam7_rms vs Slug, Sign Corrected



Right In: 414.545+/-0.086 χ^2/NDF: 8294072.1/26

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 386.721+/-0.082 χ^2/NDF: 10478594.2/30

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

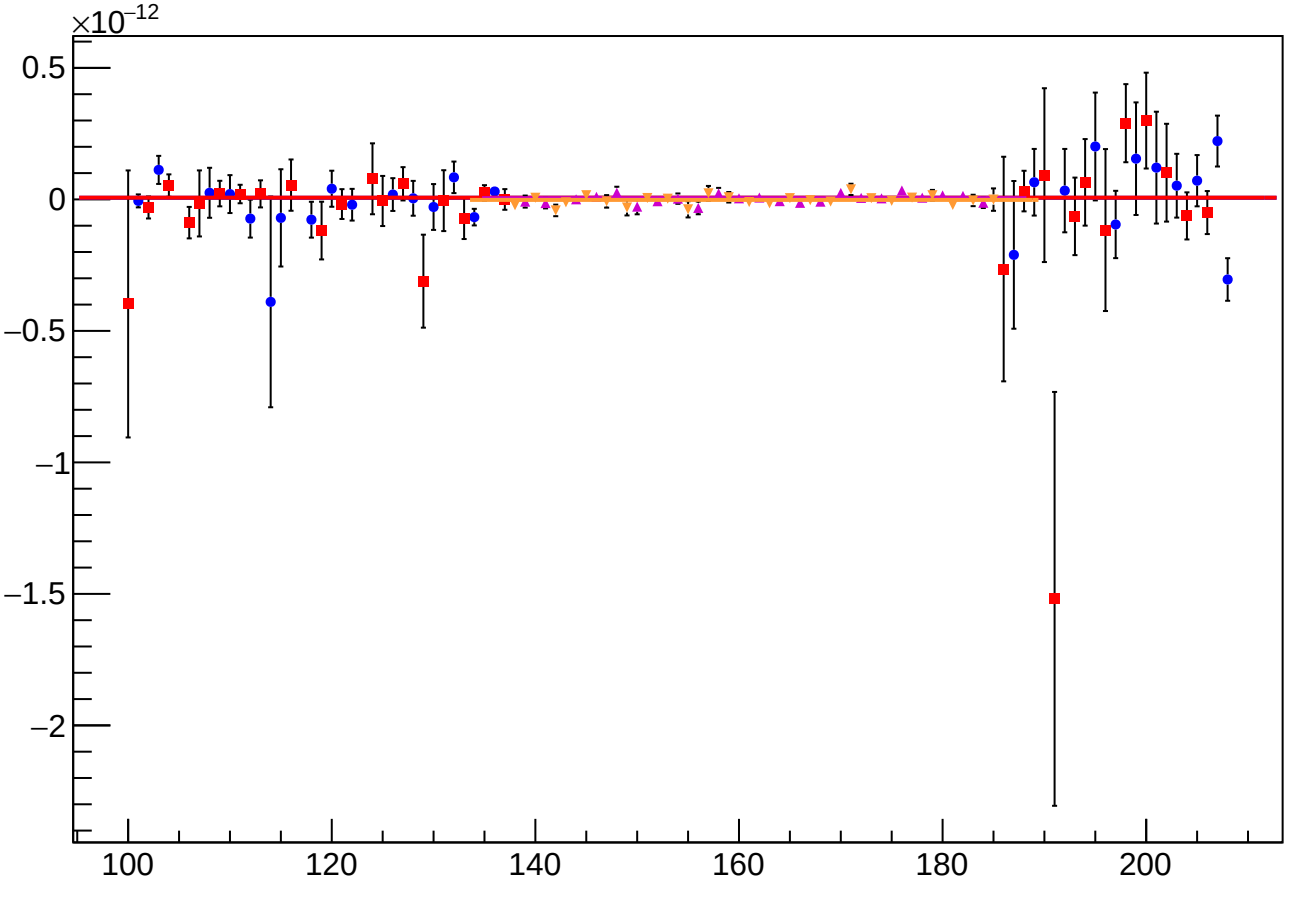
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 400.007+/-0.060 χ^2/NDF: 18827140.2/57

In: 345.341+/-0.045 χ^2/NDF:10179011.8/49

Out: 335.527+/-0.044 χ^2/NDF:12226757.4/55

All: 340.250+/-0.032 χ^2/NDF: 22429968.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

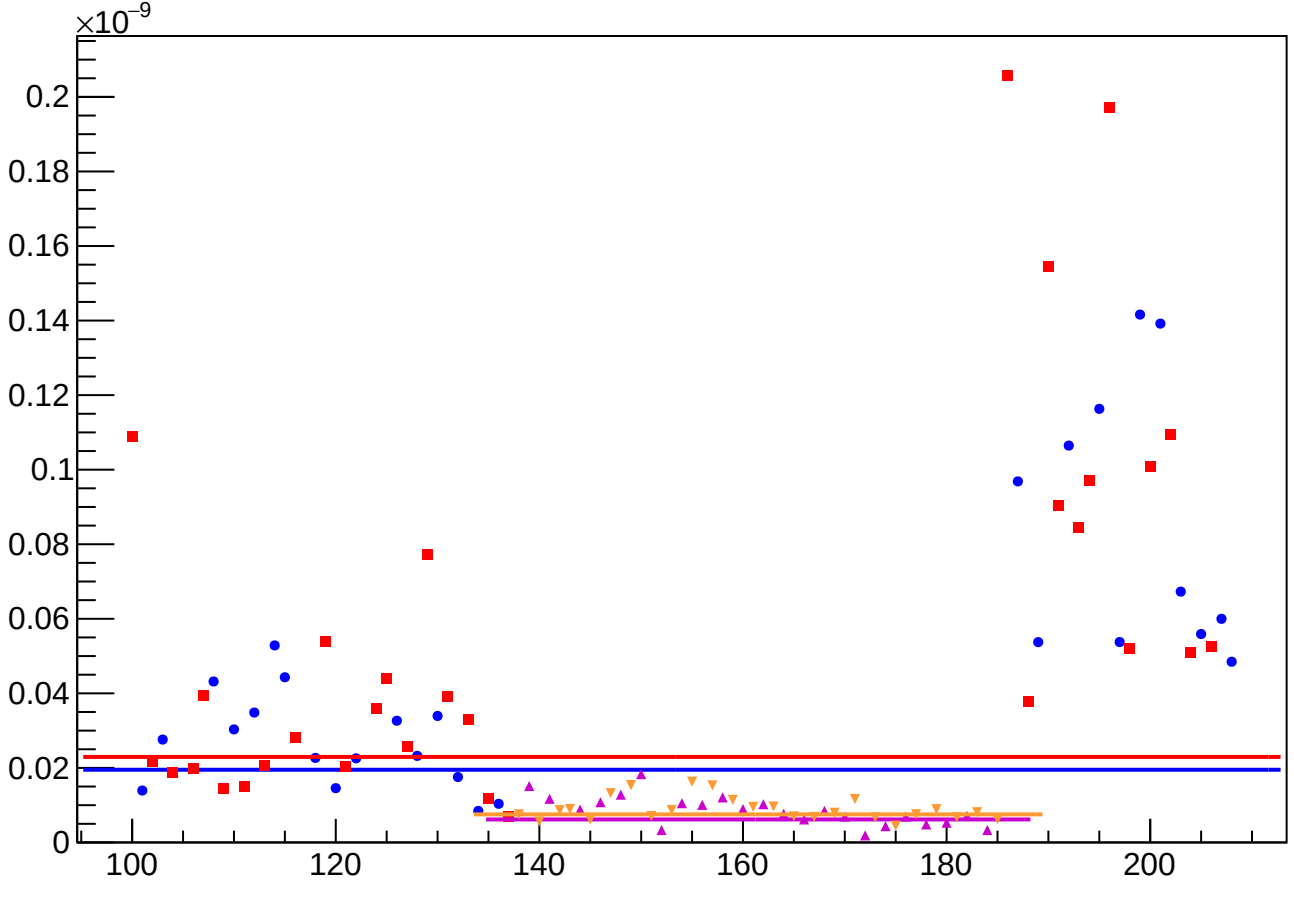
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 66.4/57

In: 0.000+/-0.000 χ^2/NDF:58.8/49

Out: -0.000+/-0.000 χ^2/NDF:44.7/55

All: 0.000+/-0.000 χ^2/NDF: 105.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 5380973.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4954900.6/30

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

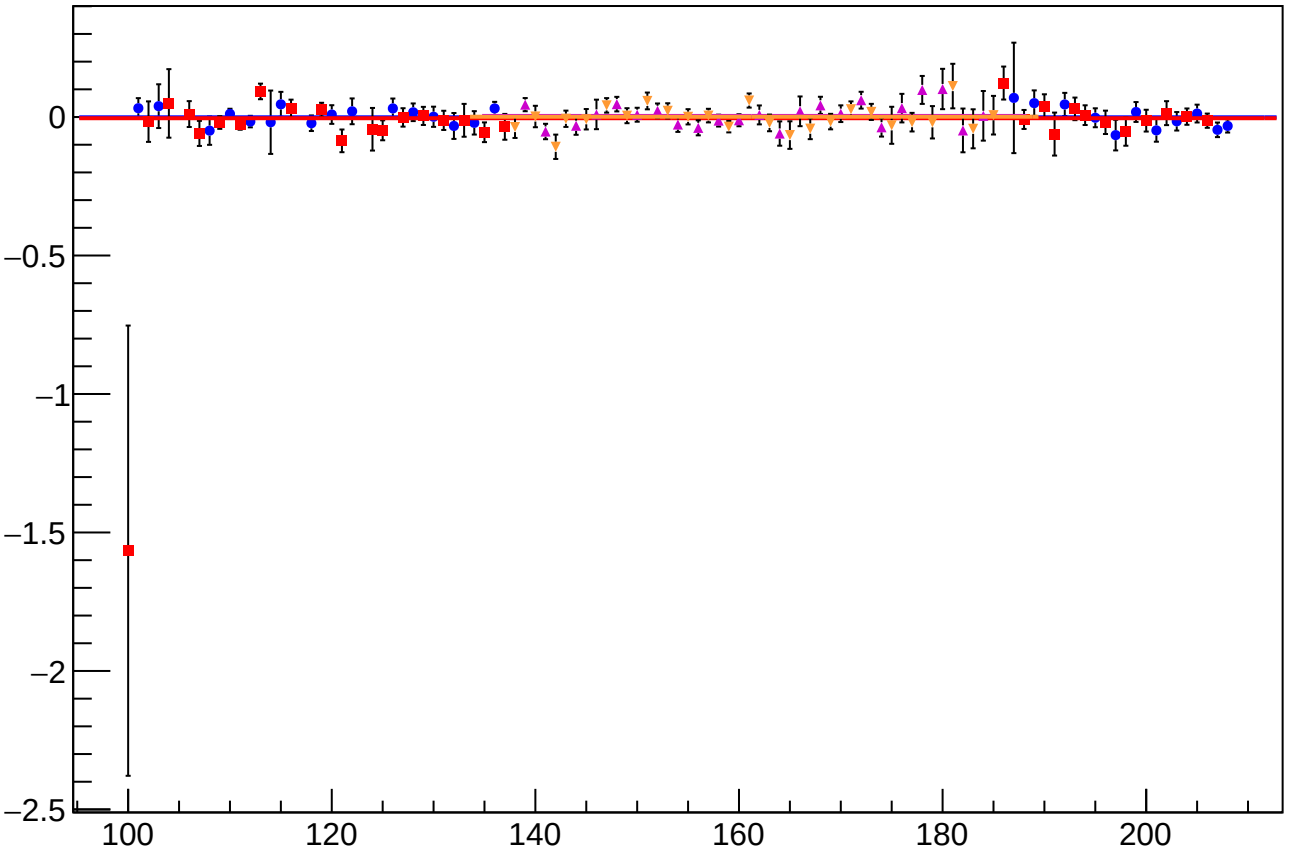
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10427130.0/57

In: 0.000+/-0.000 χ^2/NDF:11127661.5/49

Out: 0.000+/-0.000 χ^2/NDF:9149977.7/55

All: 0.000+/-0.000 χ^2/NDF: 20481356.4/105



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.3/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

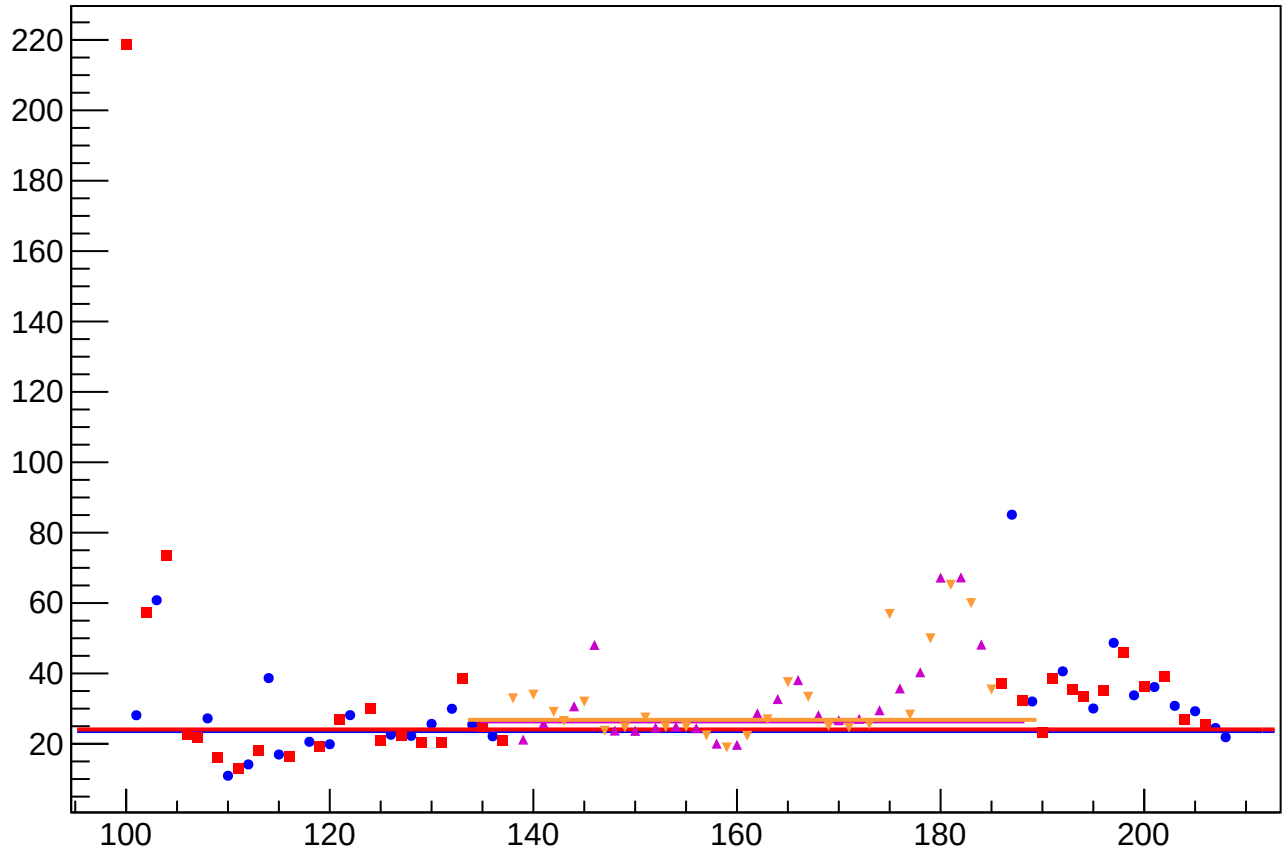
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.003+/-0.005 χ^2/NDF: 57.5/57

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: -0.000+/-0.003 χ^2/NDF: 119.6/105



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

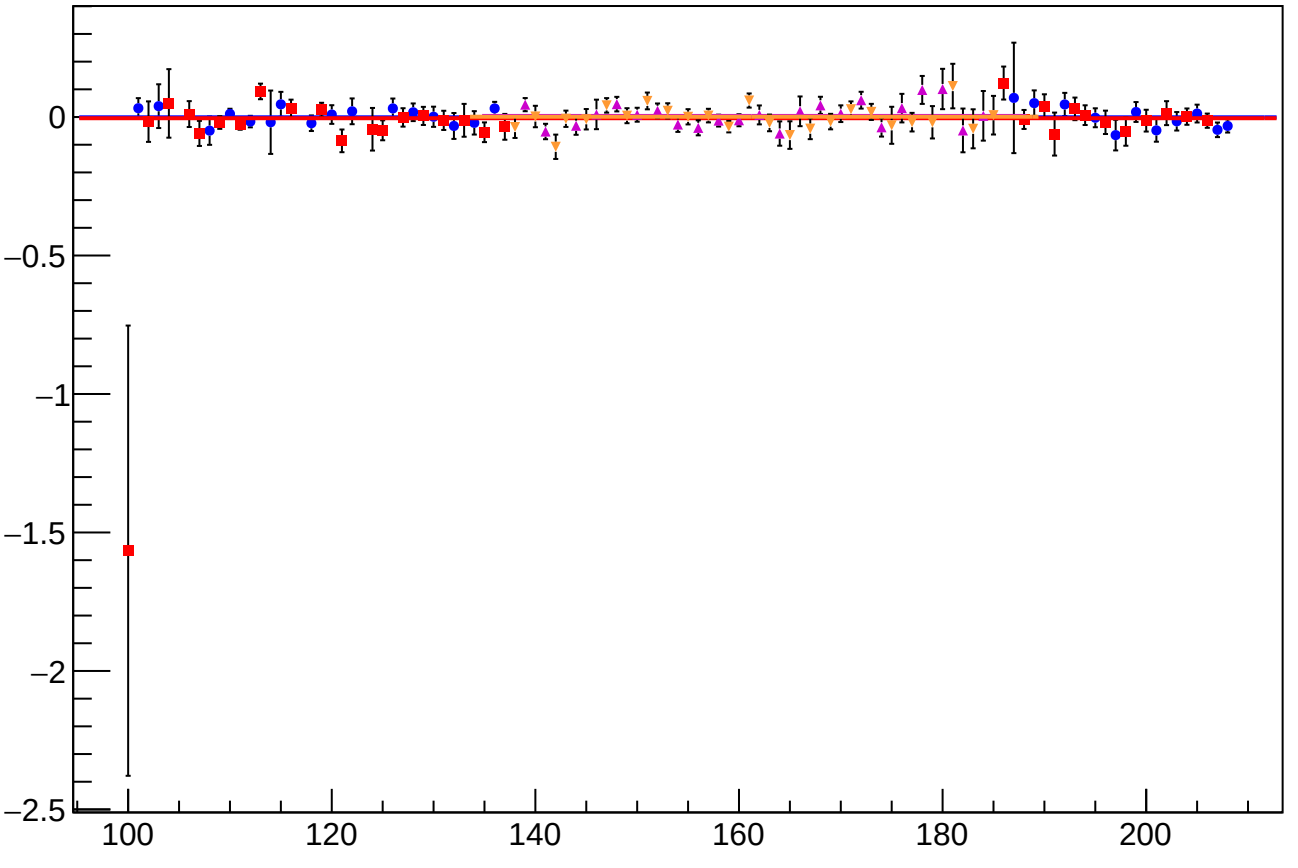
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.855+/-0.003 χ^2/NDF: 7401039.7/57

In: 24.980+/-0.003 χ^2/NDF:6361019.4/49

Out: 25.466+/-0.003 χ^2/NDF:6422790.8/55

All: 25.224+/-0.002 χ^2/NDF: 12794867.5/105



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.3/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

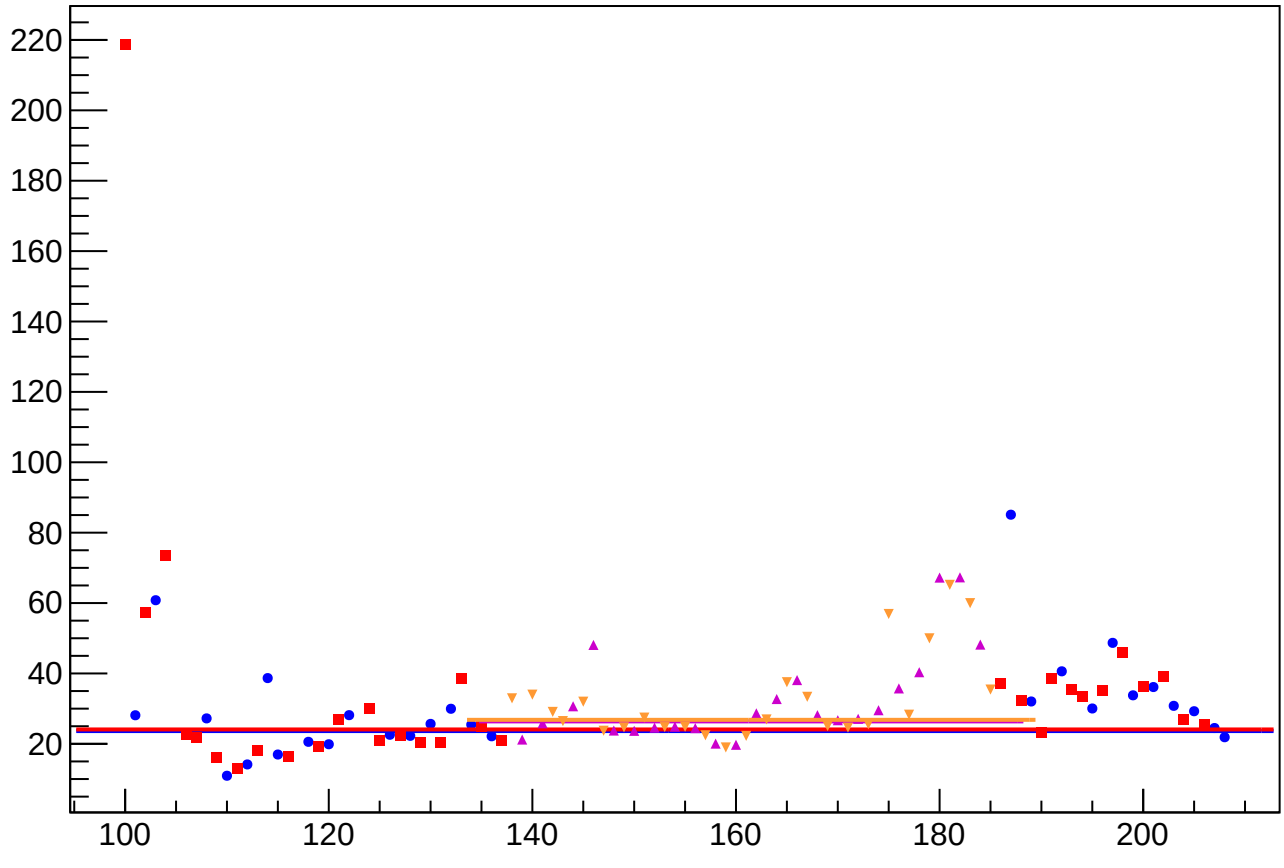
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.003+/-0.005 χ^2/NDF: 57.5/57

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: -0.000+/-0.003 χ^2/NDF: 119.6/105



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

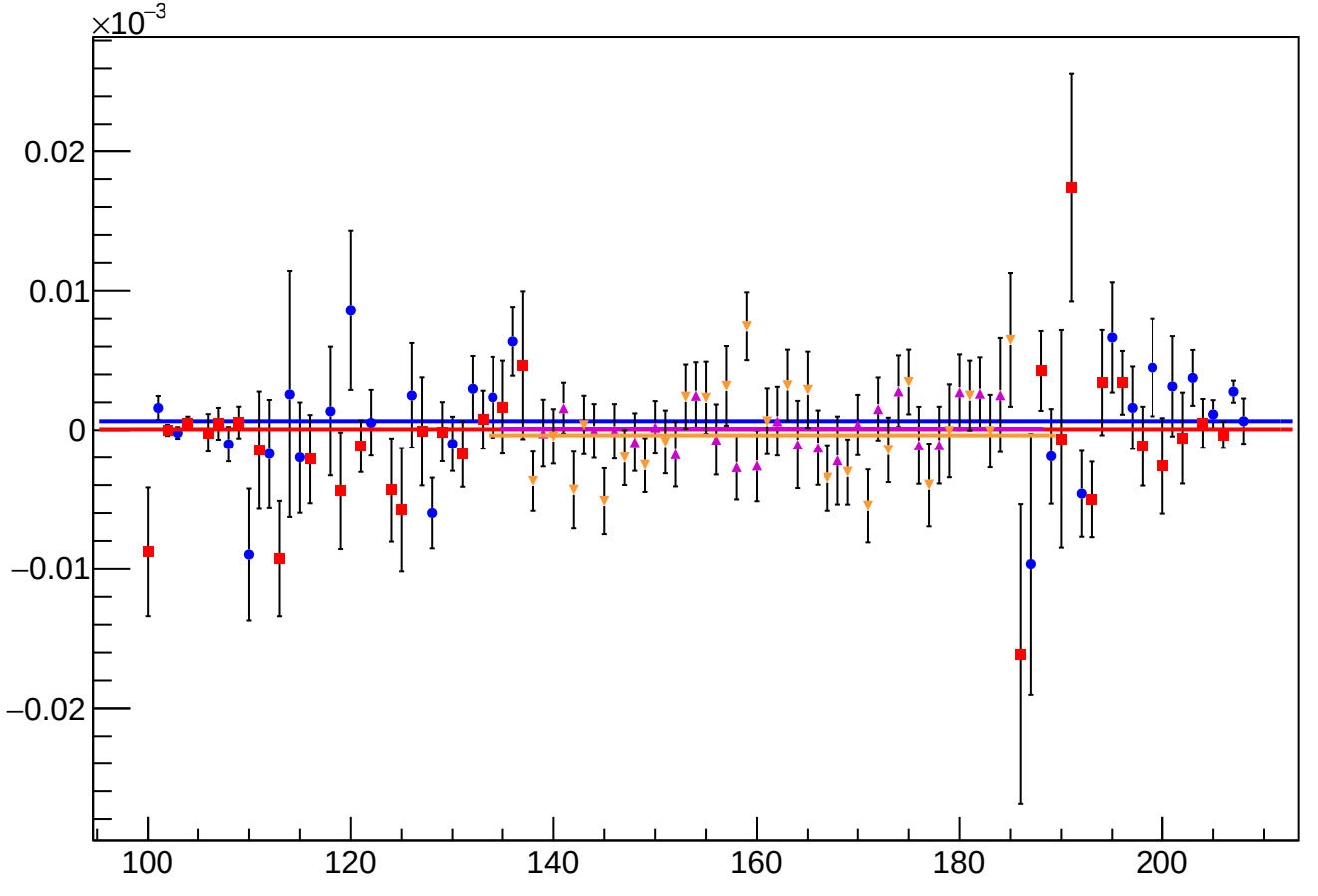
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.855+/-0.003 χ^2/NDF: 7401039.7/57

In: 24.980+/-0.003 χ^2/NDF:6361019.4/49

Out: 25.466+/-0.003 χ^2/NDF:6422790.8/55

All: 25.224+/-0.002 χ^2/NDF: 12794867.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 47.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

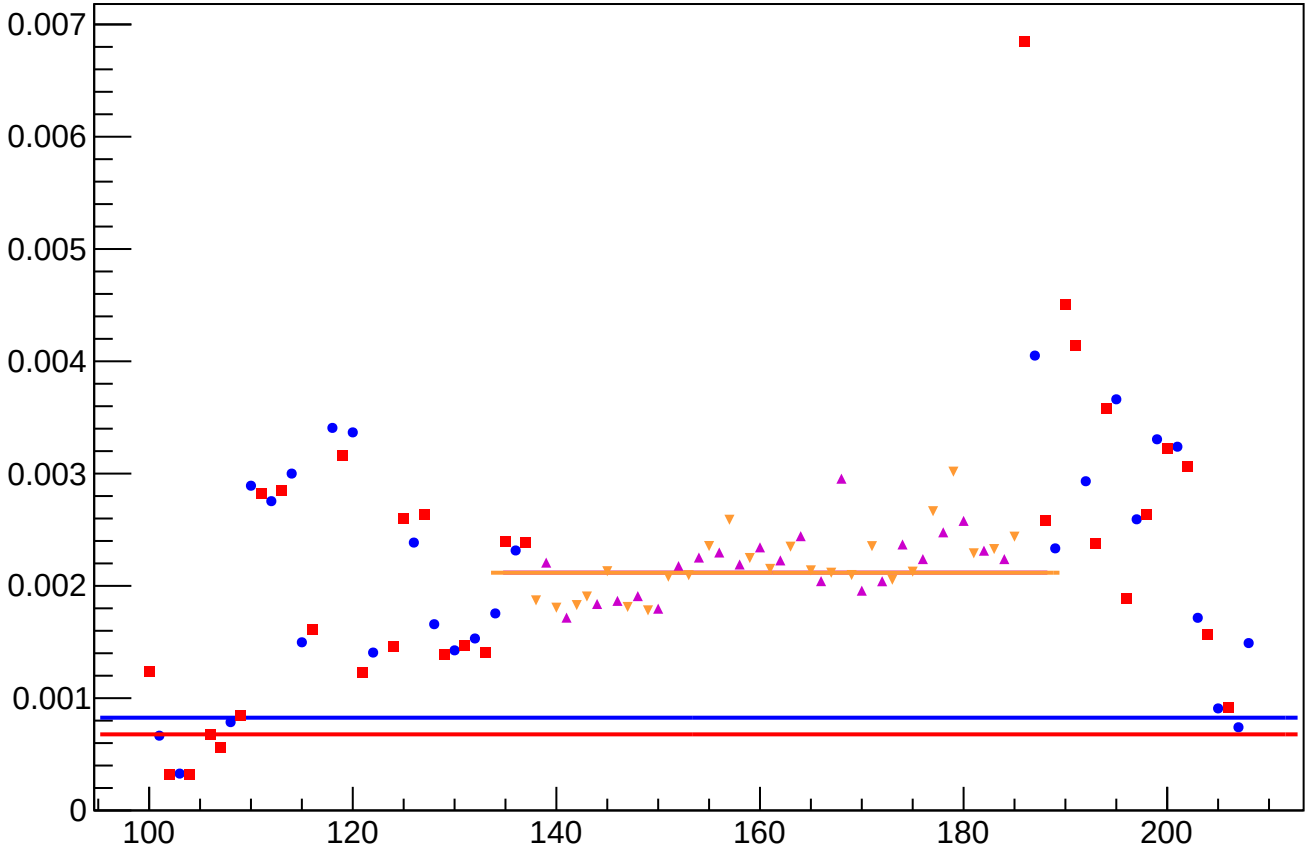
Right: 0.000+/-0.000 χ^2/NDF: 83.1/57

In: 0.000+/-0.000 χ^2/NDF:58.3/49

Out: -0.000+/-0.000 χ^2/NDF:77.2/55

All: 0.000+/-0.000 χ^2/NDF: 138.2/105

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12854126.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15999861.2/30

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

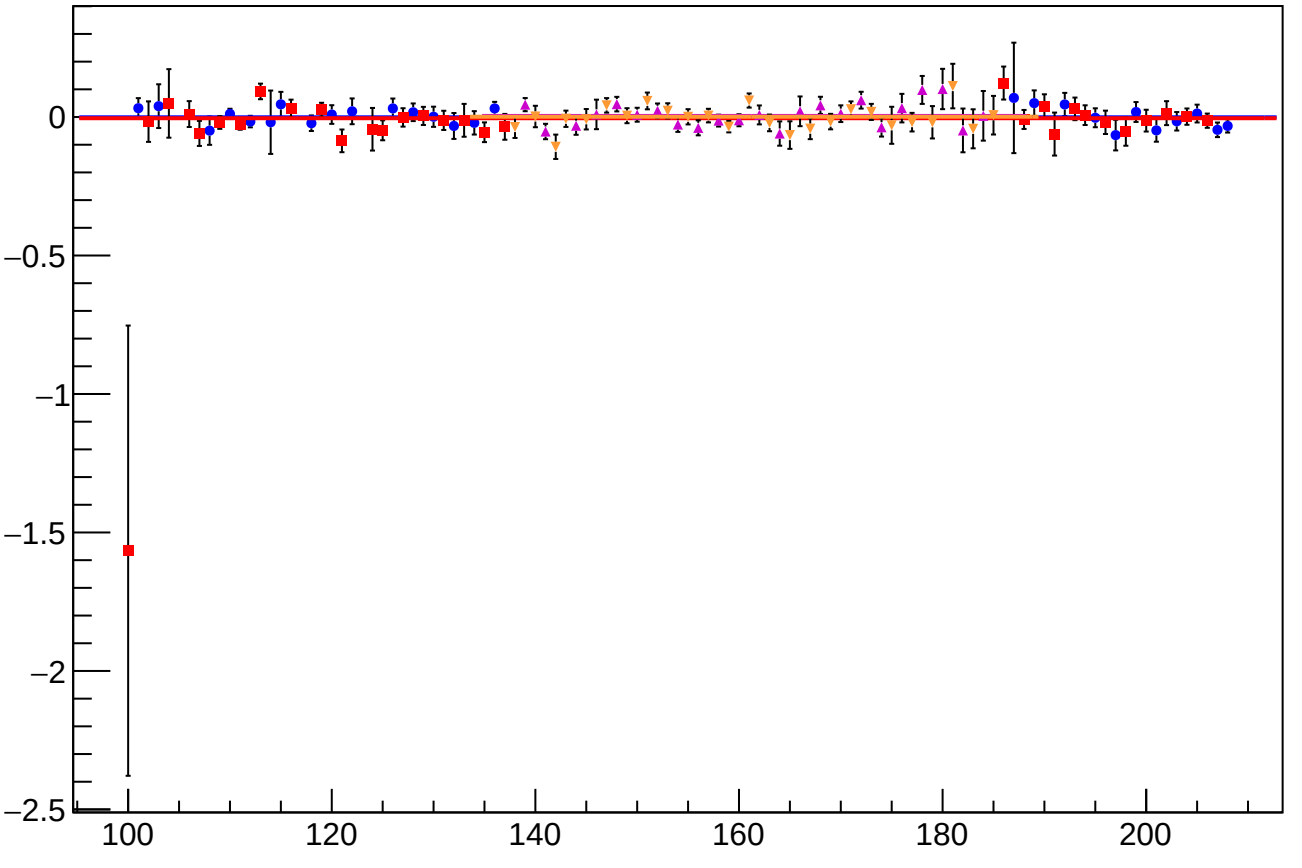
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 29174682.1/57

In: 0.001+/-0.000 χ^2/NDF:23594001.8/49

Out: 0.001+/-0.000 χ^2/NDF:30616165.0/55

All: 0.001+/-0.000 χ^2/NDF: 54762219.0/105



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.2/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

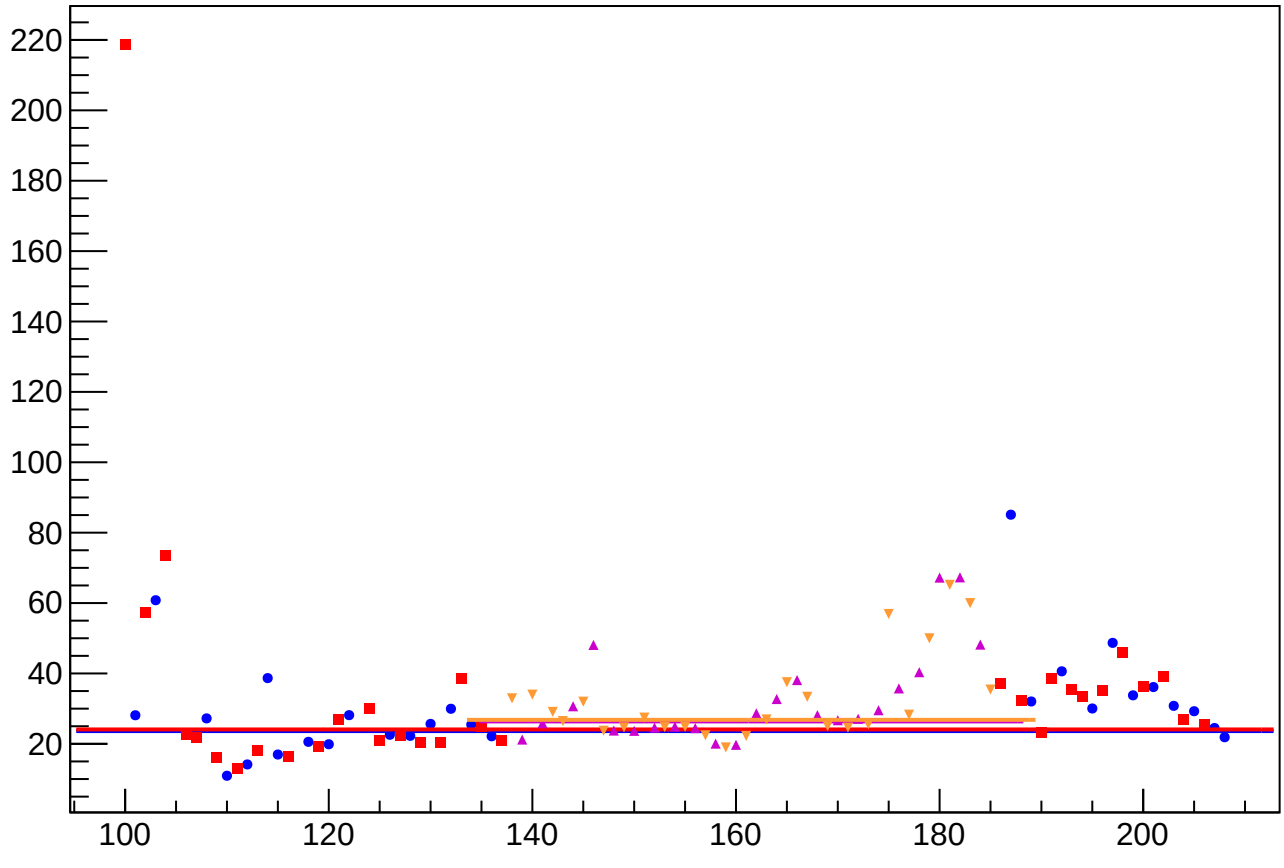
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.003+/-0.005 χ^2/NDF: 57.5/57

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: -0.000+/-0.003 χ^2/NDF: 119.6/105



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

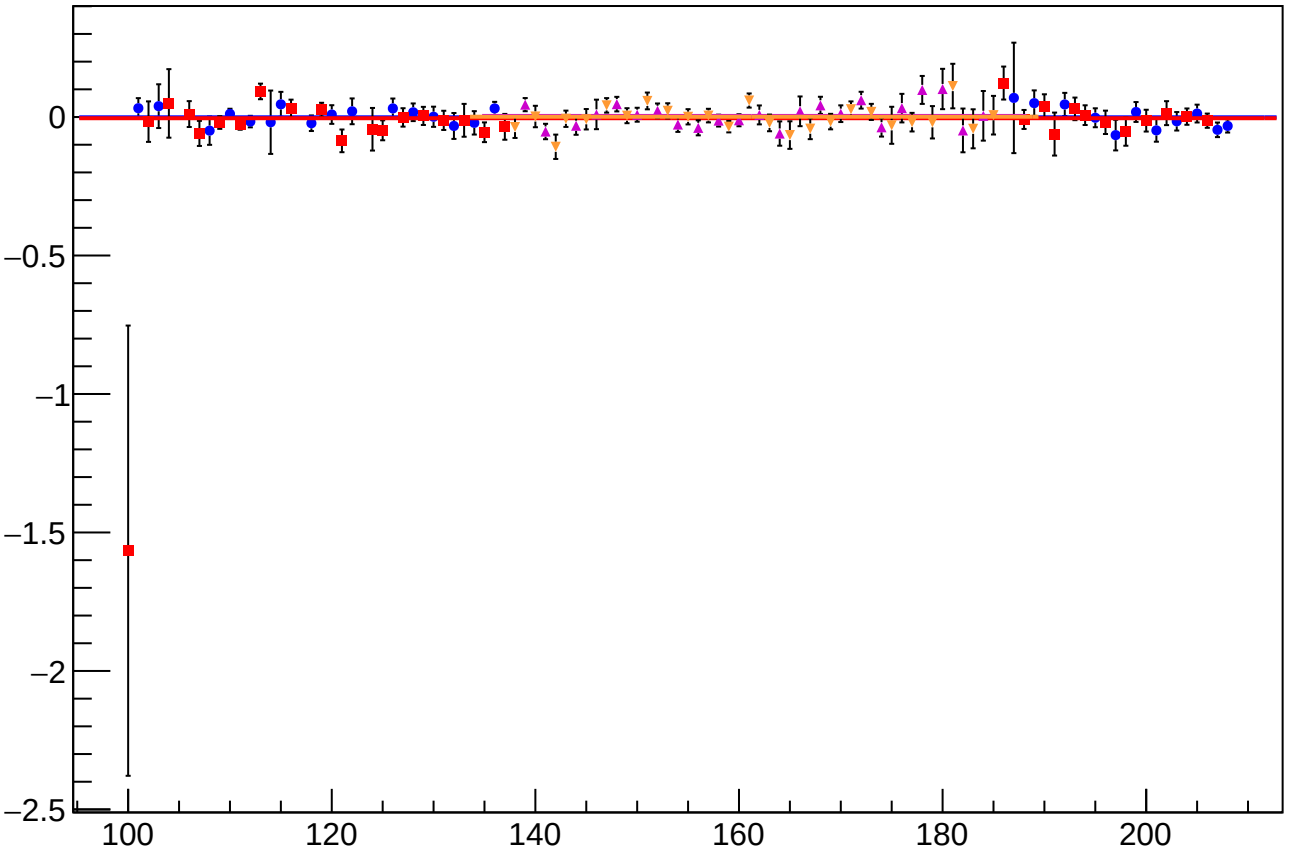
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.856+/-0.003 χ^2/NDF: 7400535.6/57

In: 24.980+/-0.003 χ^2/NDF:6360770.4/49

Out: 25.466+/-0.003 χ^2/NDF:6422608.3/55

All: 25.224+/-0.002 χ^2/NDF: 12794428.6/105



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.2/30

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

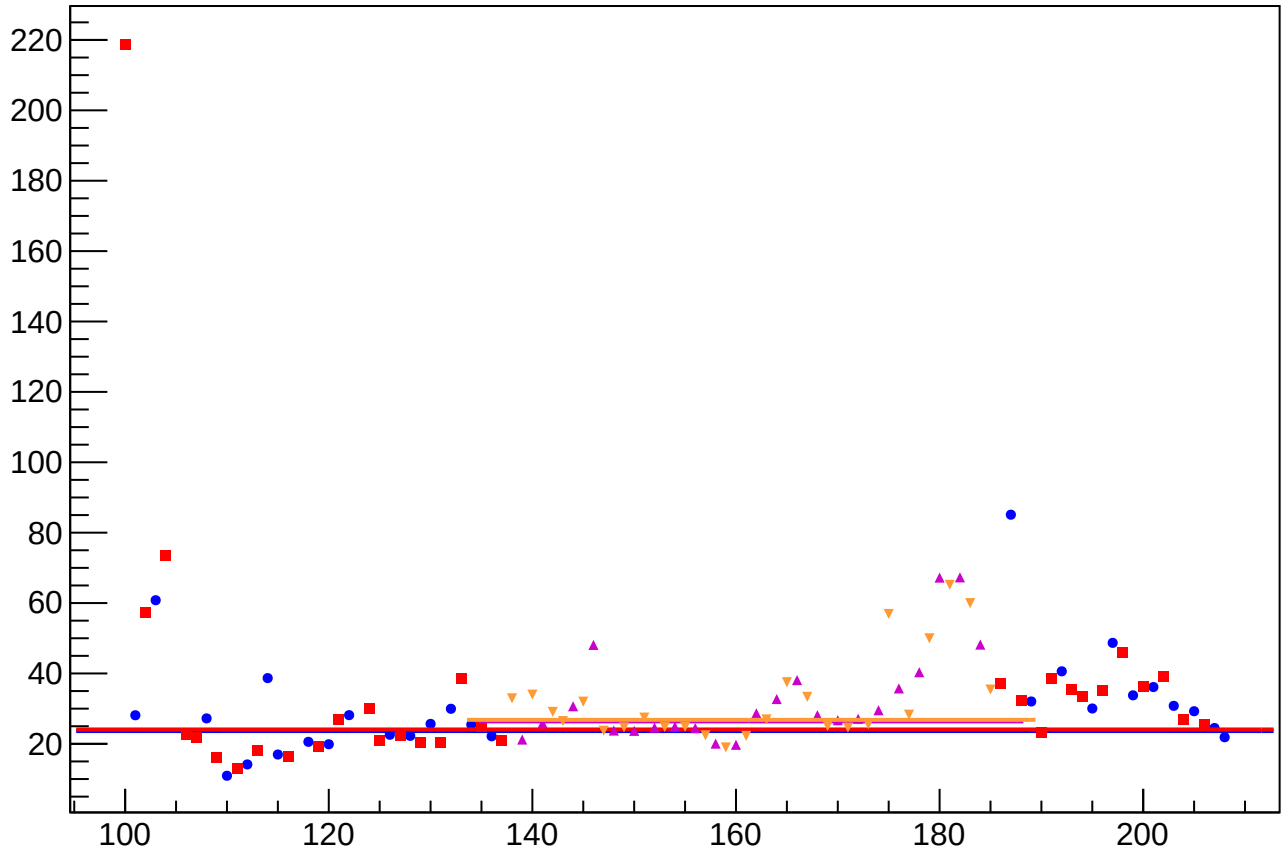
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.003+/-0.005 χ^2/NDF: 57.5/57

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: -0.000+/-0.003 χ^2/NDF: 119.6/105



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

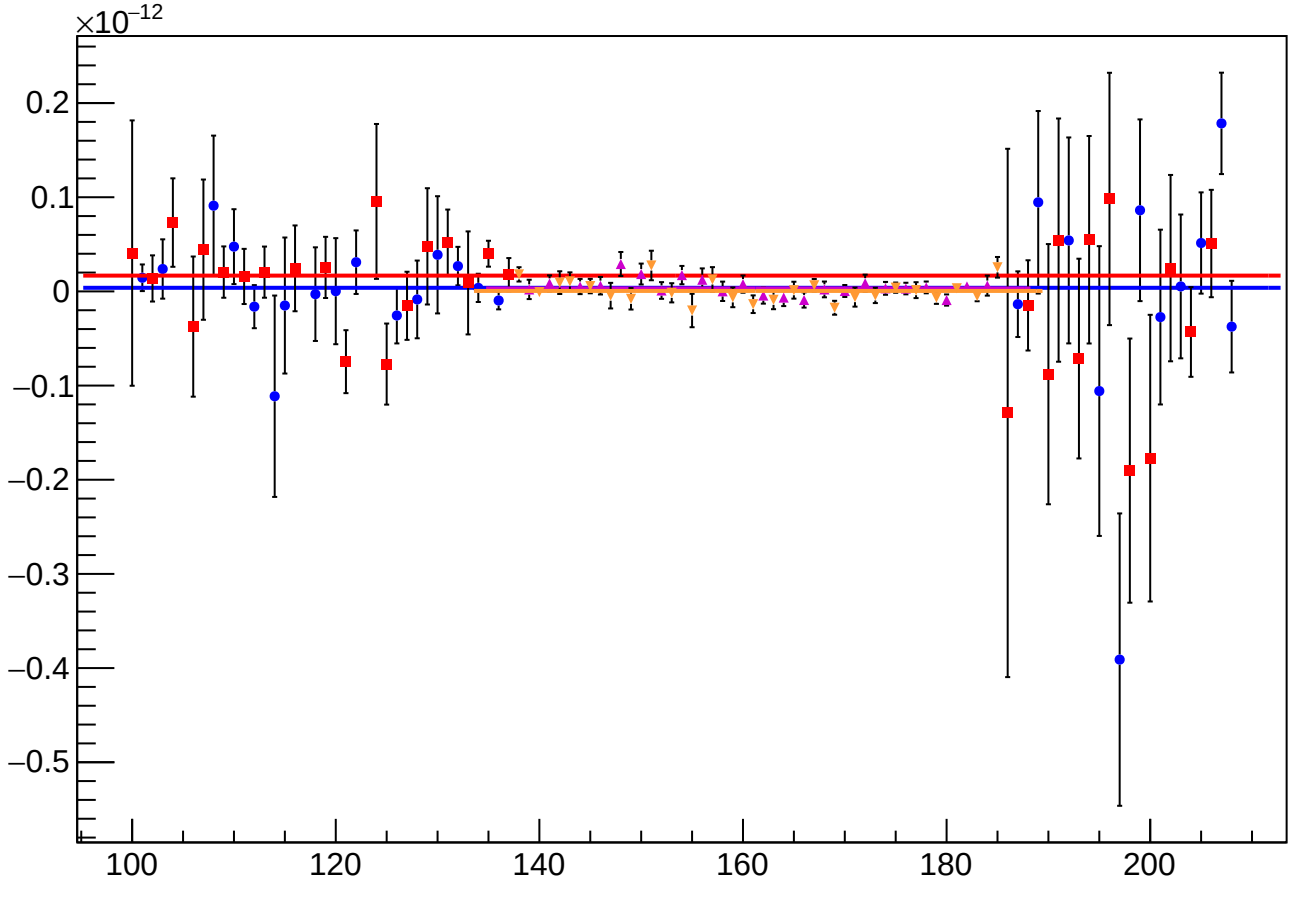
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.856+/-0.003 χ^2/NDF: 7400535.6/57

In: 24.980+/-0.003 χ^2/NDF:6360770.4/49

Out: 25.466+/-0.003 χ^2/NDF:6422608.3/55

All: 25.224+/-0.002 χ^2/NDF: 12794428.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

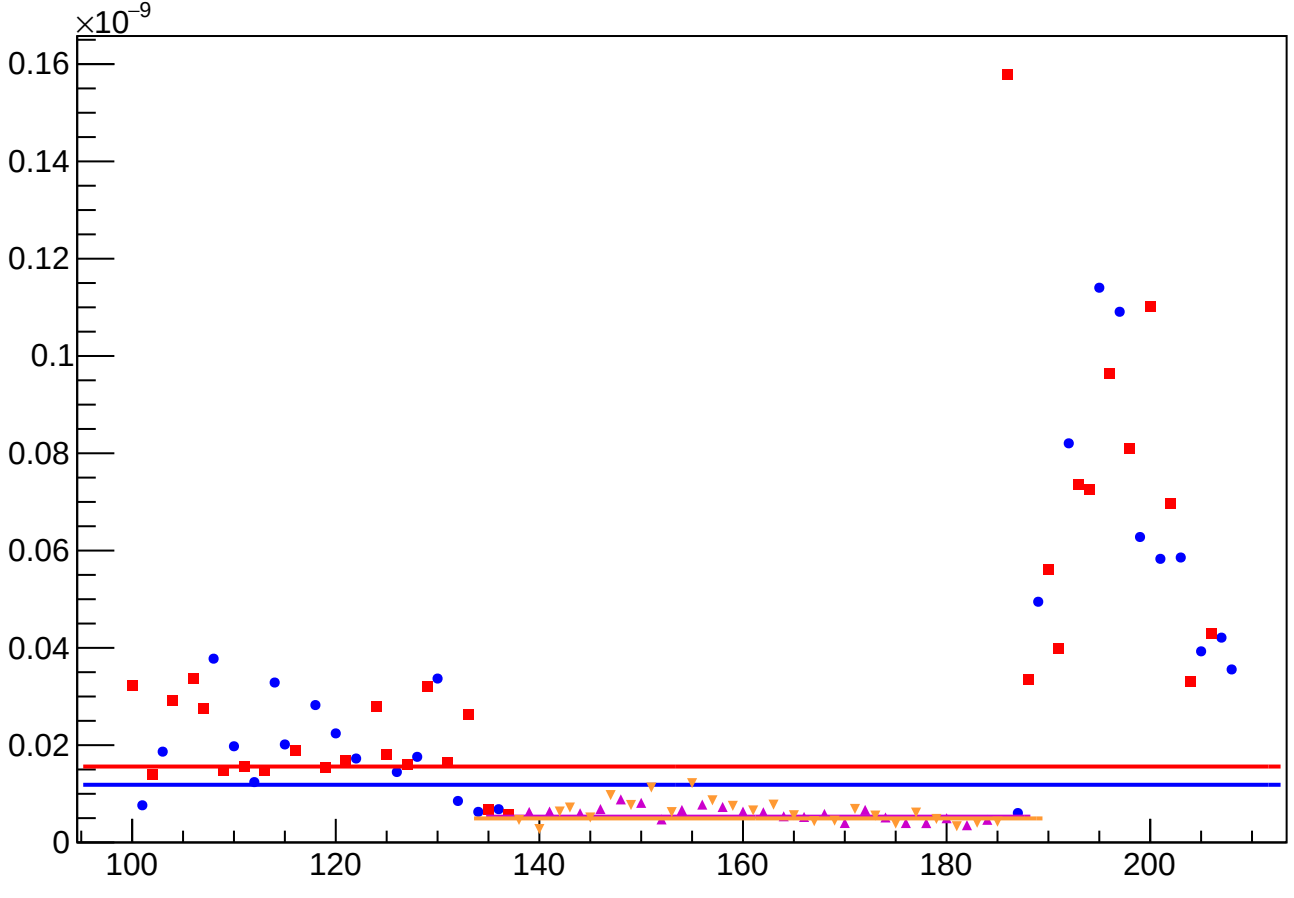
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 63.0/57

In: 0.000+/-0.000 χ^2/NDF:51.2/49

Out: 0.000+/-0.000 χ^2/NDF:66.7/55

All: 0.000+/-0.000 χ^2/NDF: 118.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 8511588.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7549274.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

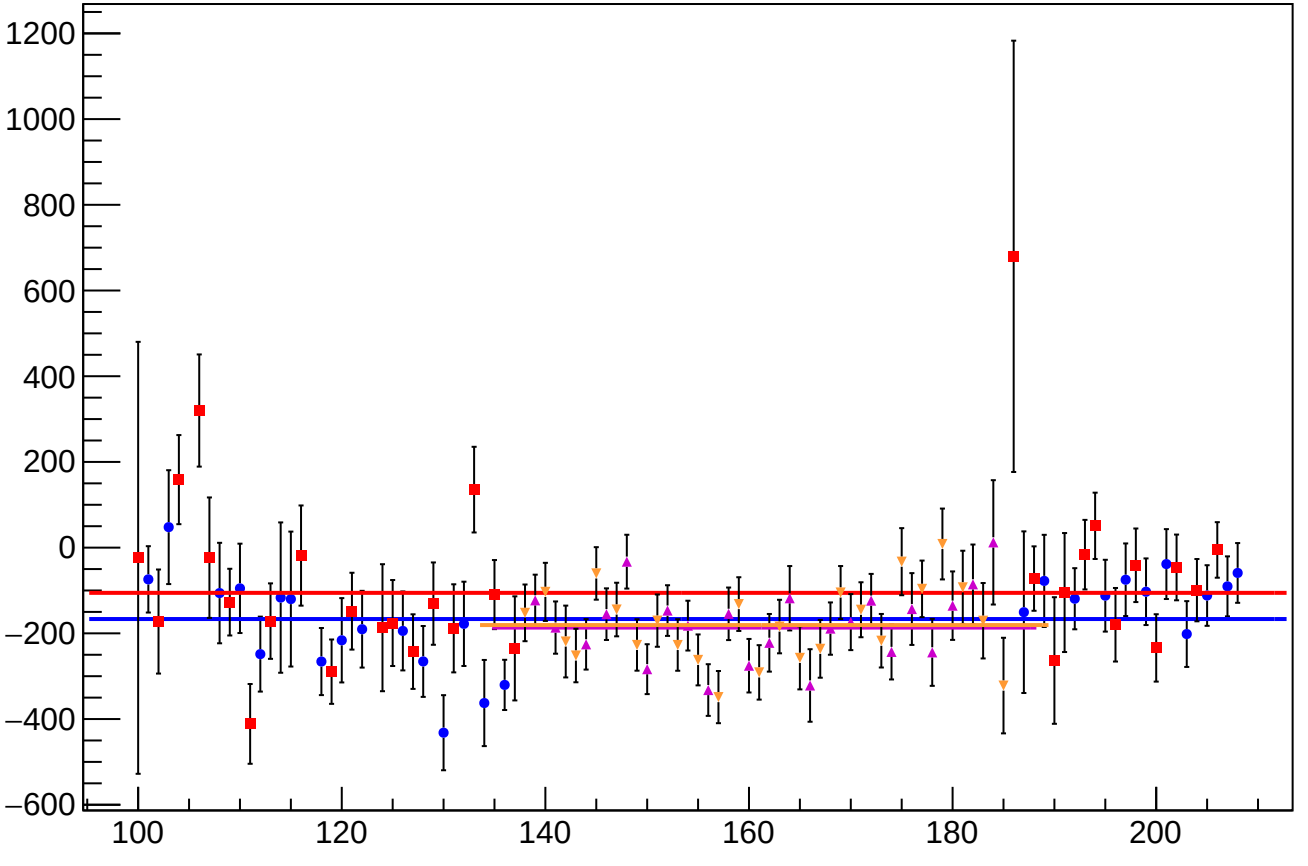
Right: 0.000+/-0.000 χ^2/NDF: 16431467.0/57

In: 0.000+/-0.000 χ^2/NDF:12371026.0/49

Out: 0.000+/-0.000 χ^2/NDF:15005516.1/55

All: 0.000+/-0.000 χ^2/NDF: 27434224.6/105

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -166.612+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -105.511+/-16.933 χ^2/NDF: 62.9/30

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

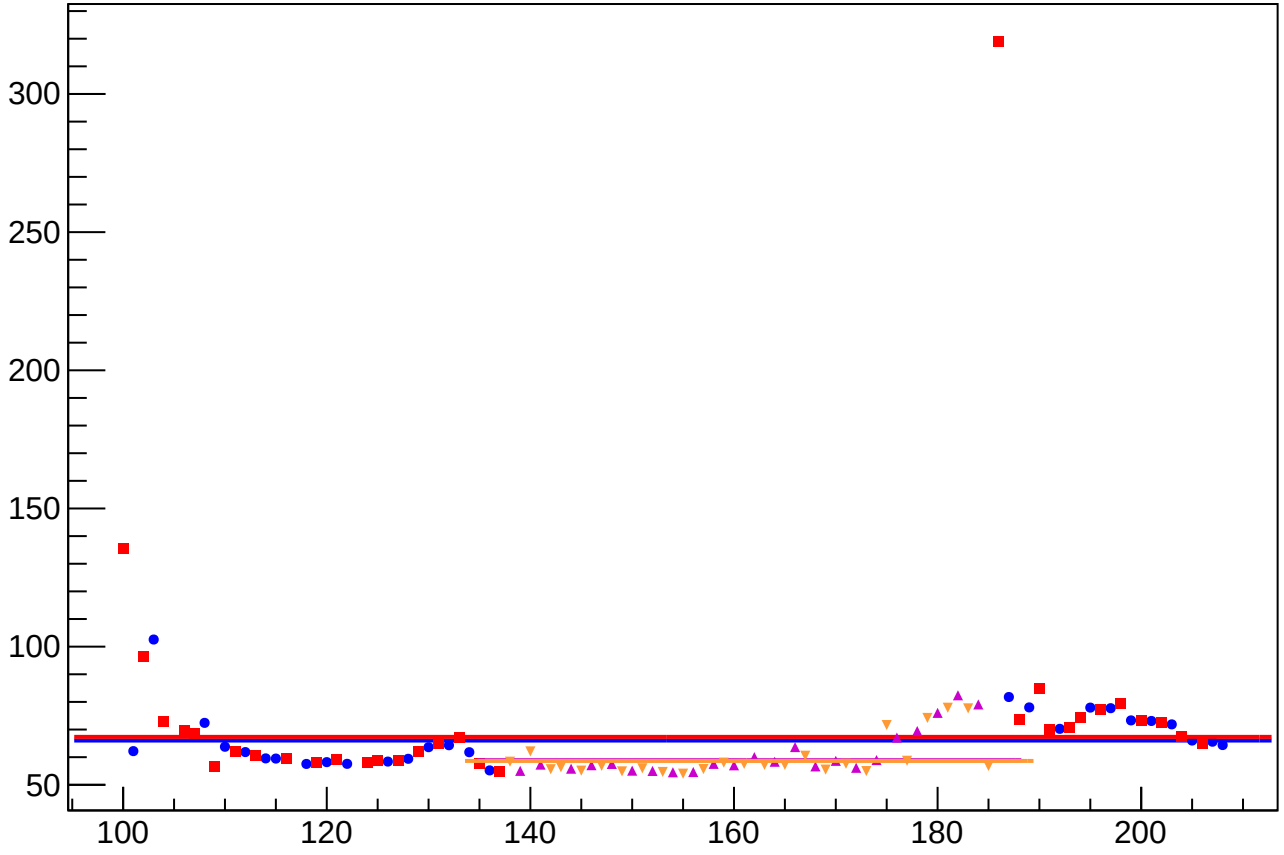
Right: -136.373+/-11.912 χ^2/NDF: 108.9/57

In: -178.464+/-10.681 χ^2/NDF:69.2/49

Out: -151.688+/-10.517 χ^2/NDF:113.6/55

All: -164.868+/-7.494 χ^2/NDF: 186.0/105

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.021+/-0.012 χ^2/NDF: 497634.1/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.351+/-0.012 χ^2/NDF: 1020995.5/30

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

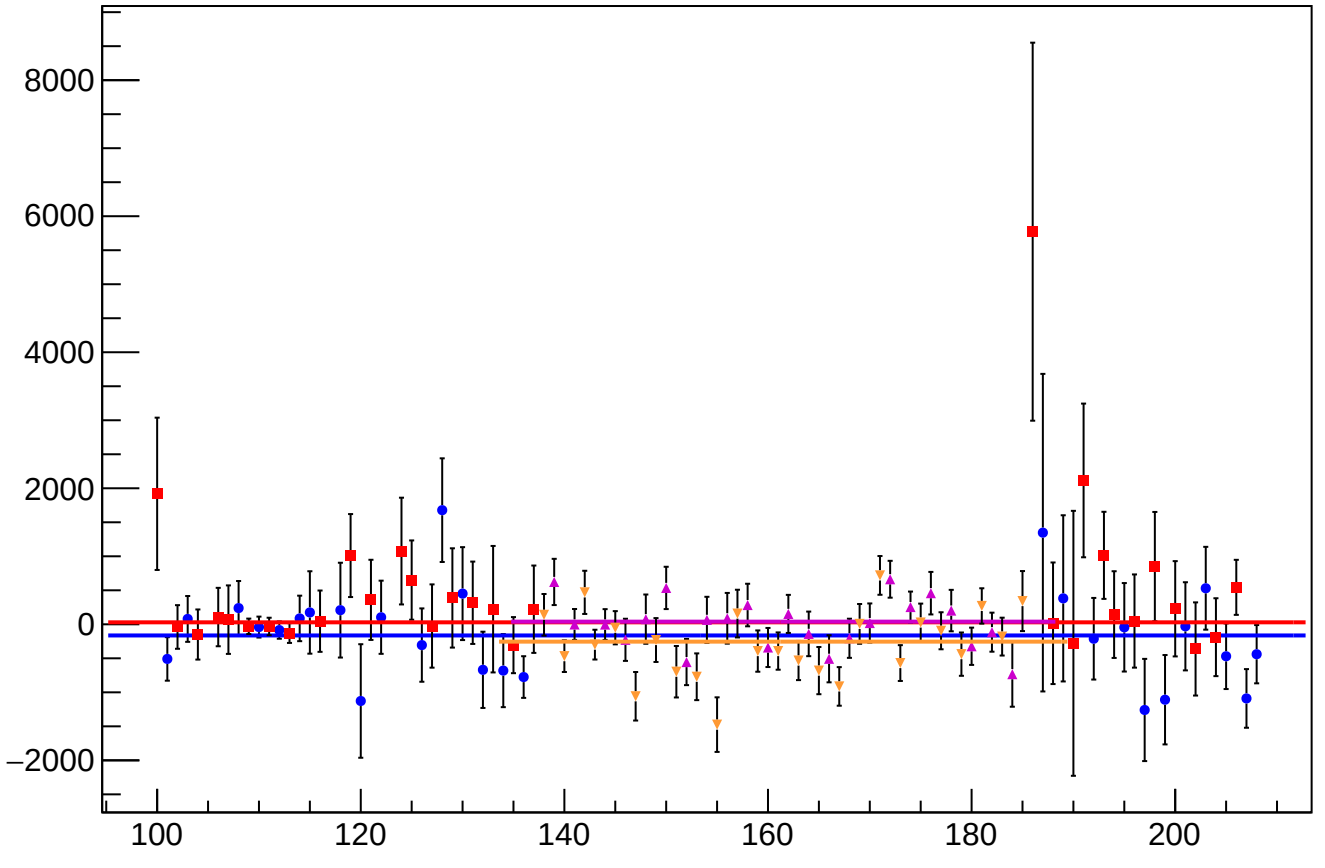
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.679+/-0.008 χ^2/NDF: 1524865.0/57

In: 61.795+/-0.008 χ^2/NDF:1098447.3/49

Out: 62.002+/-0.007 χ^2/NDF:1739693.4/55

All: 61.900+/-0.005 χ^2/NDF: 2838523.2/105



Right In: -163.830+/-70.280 χ^2/NDF: 30.5/26

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 29.118+/-60.972 χ^2/NDF: 25.2/30

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

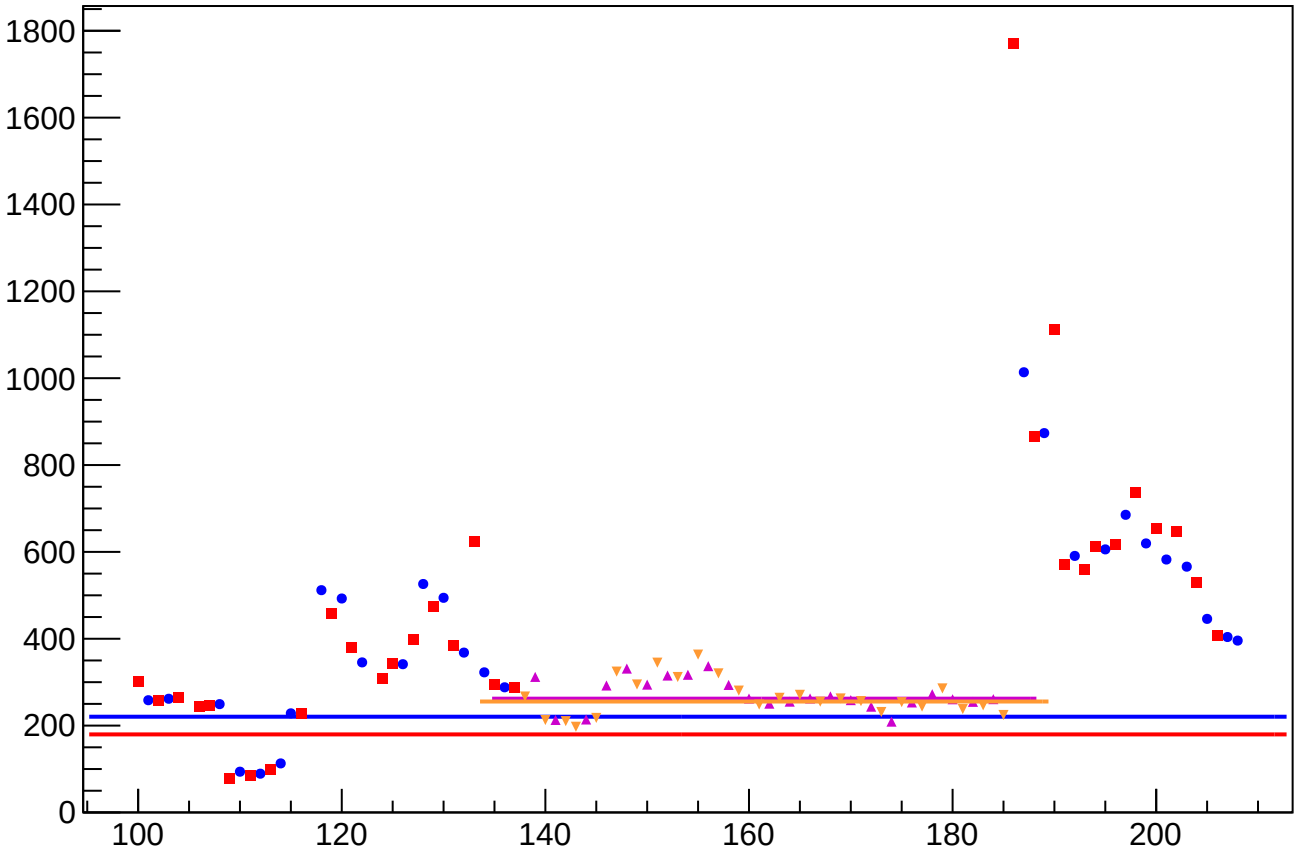
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -53.740+/-46.055 χ^2/NDF: 60.1/57

In: -49.497+/-46.444 χ^2/NDF:63.6/49

Out: -117.714+/-42.353 χ^2/NDF:94.1/55

All: -86.742+/-31.295 χ^2/NDF: 158.9/105



Right In: 220.466+/-0.050 χ^2/NDF: 11651773.8/26

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 179.732+/-0.043 χ^2/NDF: 15102730.5/30

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

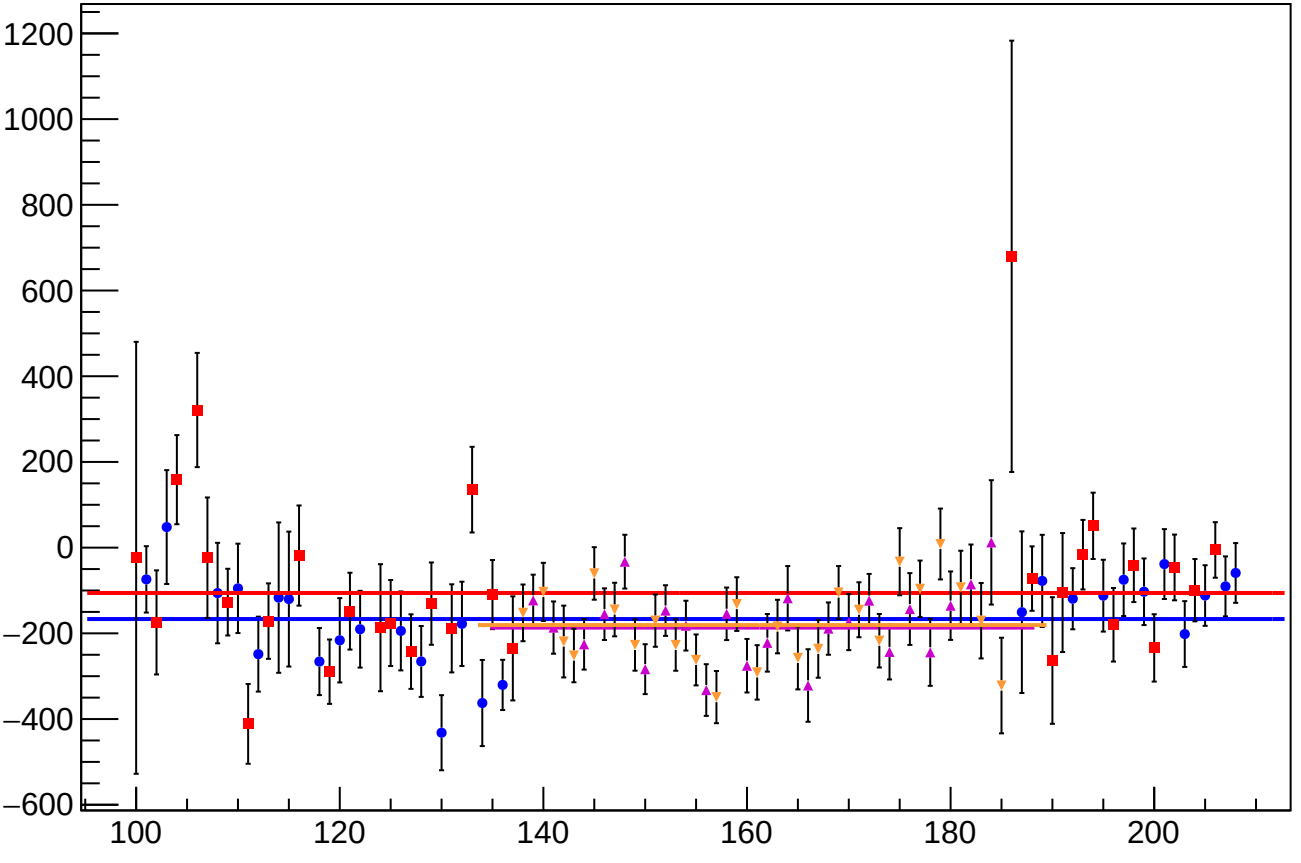
Right: 197.224+/-0.033 χ^2/NDF: 27137843.4/57

In: 243.865+/-0.033 χ^2/NDF:12715951.0/49

Out: 218.924+/-0.030 χ^2/NDF:17563541.9/55

All: 230.248+/-0.022 χ^2/NDF: 30594390.1/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -105.786+/-16.938 χ^2/NDF: 62.6/30

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

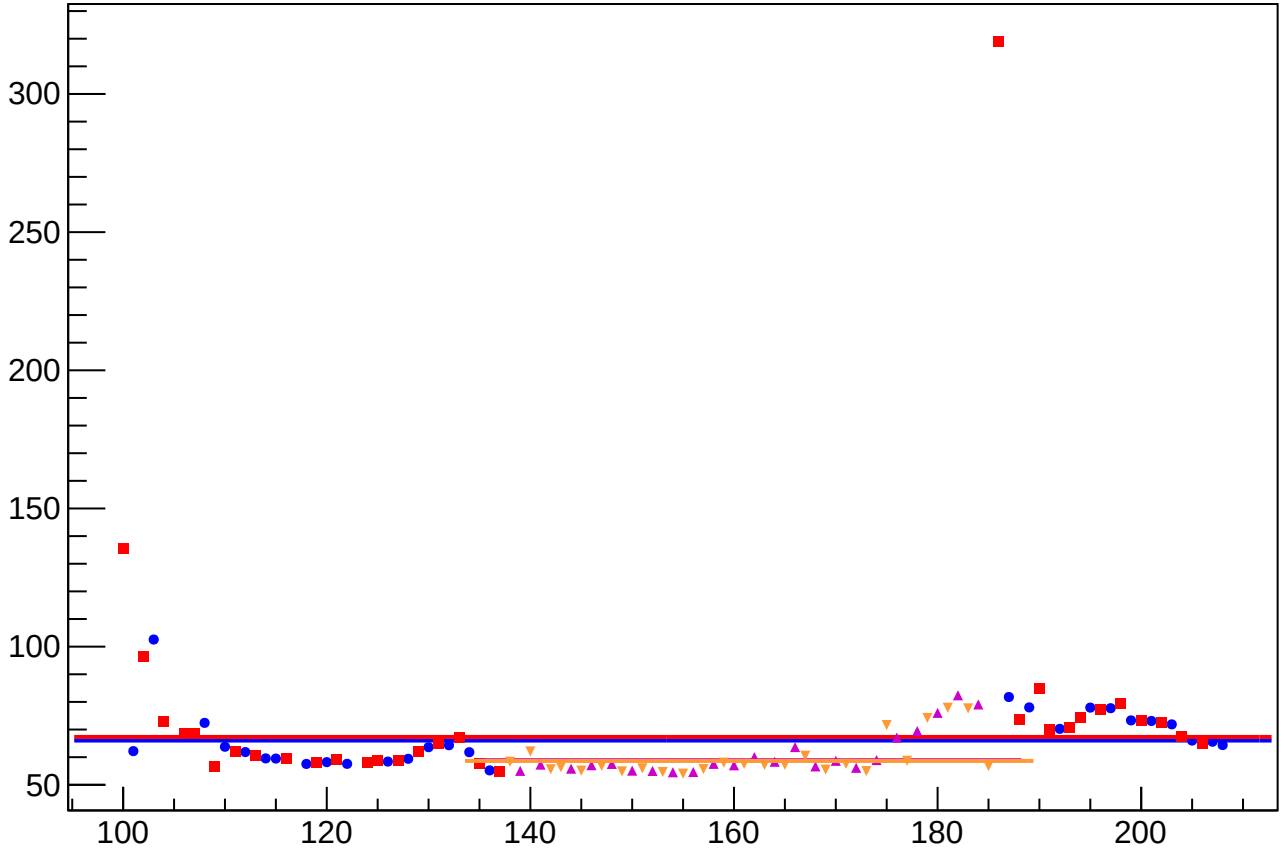
Right: -136.519+/-11.914 χ^2/NDF: 108.5/57

In: -178.464+/-10.681 χ^2/NDF:69.2/49

Out: -151.802+/-10.518 χ^2/NDF:113.2/55

All: -164.928+/-7.494 χ^2/NDF: 185.6/105

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

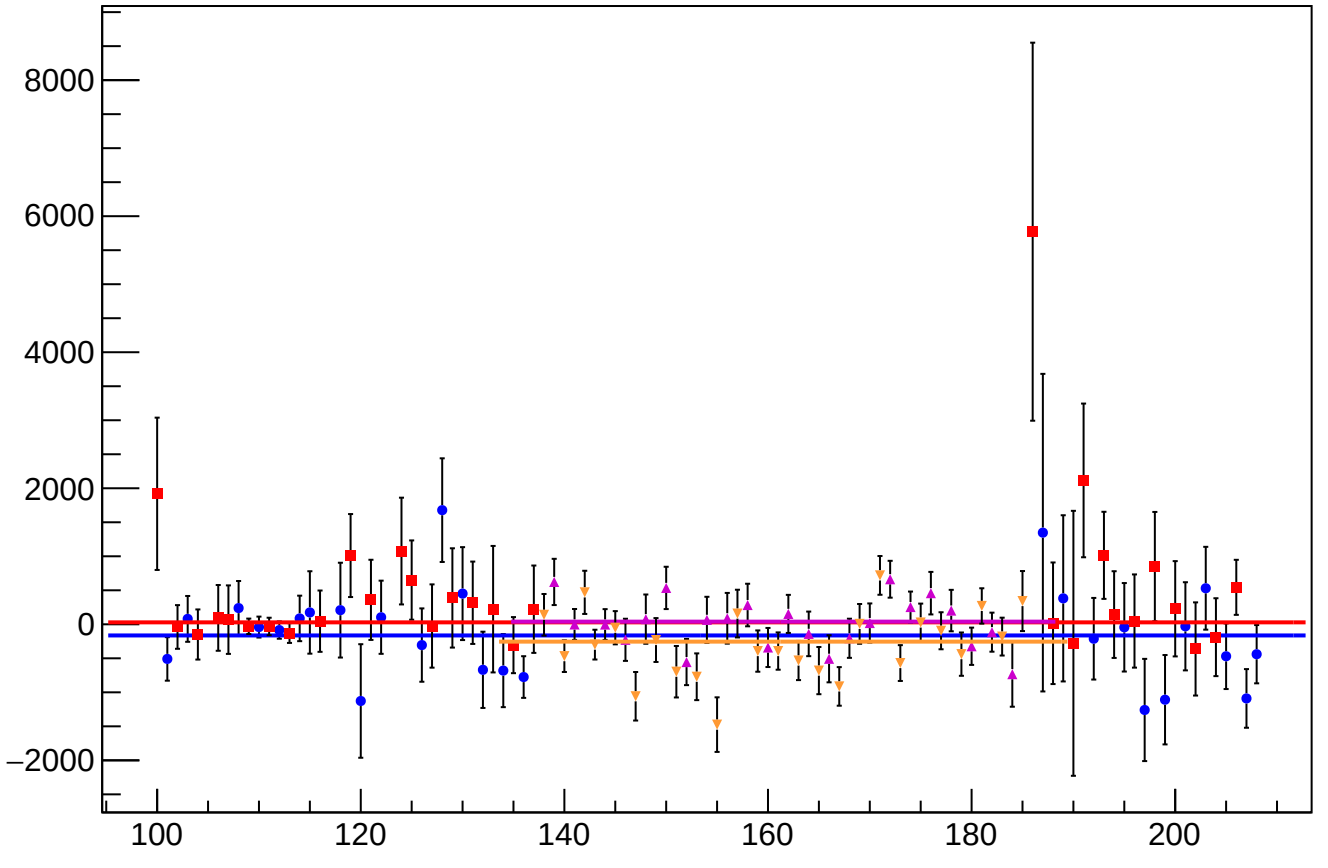
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.669+/-0.008 χ^2/NDF: 1524402.2/57

In: 61.795+/-0.008 χ^2/NDF:1098449.9/49

Out: 61.994+/-0.007 χ^2/NDF:1737806.9/55

All: 61.896+/-0.005 χ^2/NDF: 2836606.8/105



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 28.609+/-61.104 χ^2/NDF: 25.2/30

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

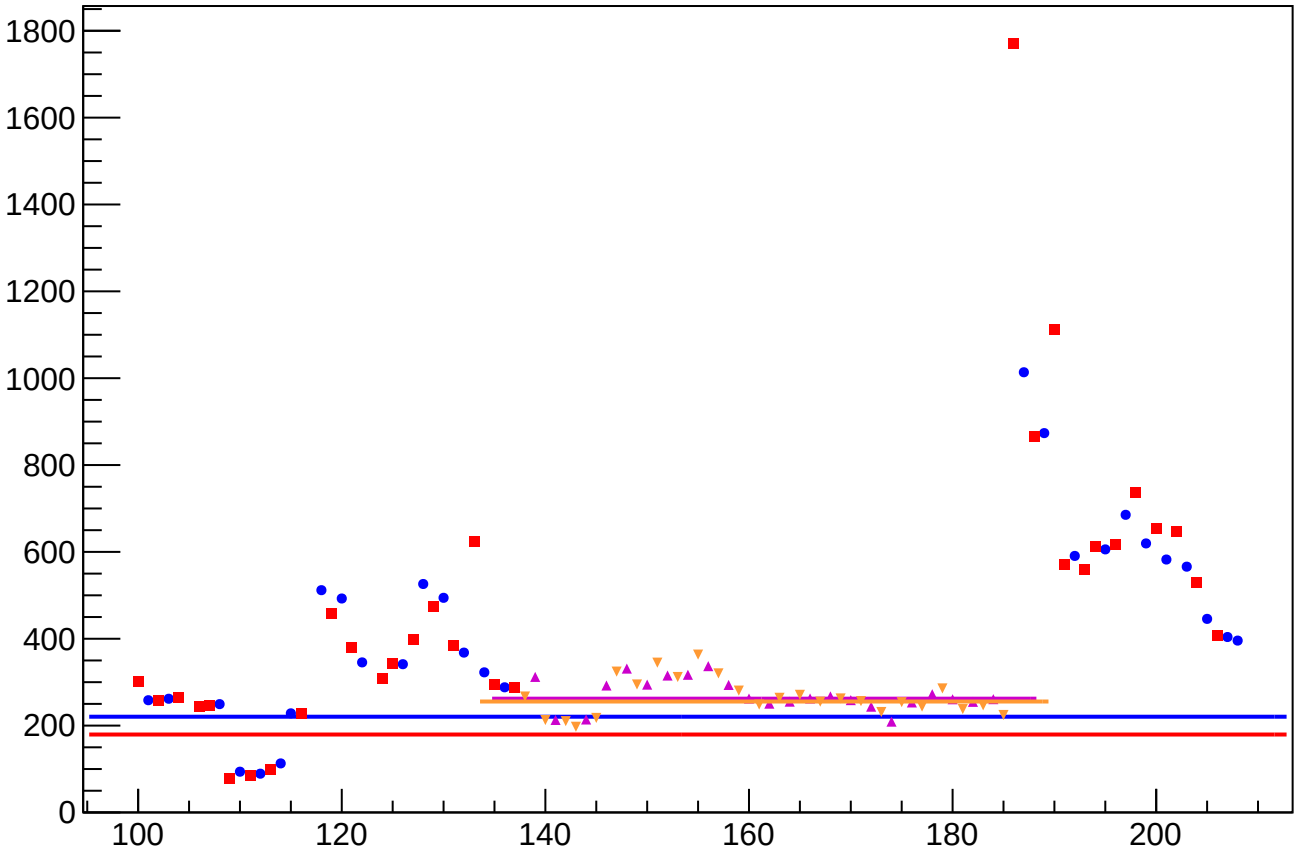
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -54.228+/-46.112 χ^2/NDF: 60.0/57

In: -49.492+/-46.445 χ^2/NDF:63.6/49

Out: -118.264+/-42.397 χ^2/NDF:94.0/55

All: -87.004+/-31.313 χ^2/NDF: 158.8/105



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

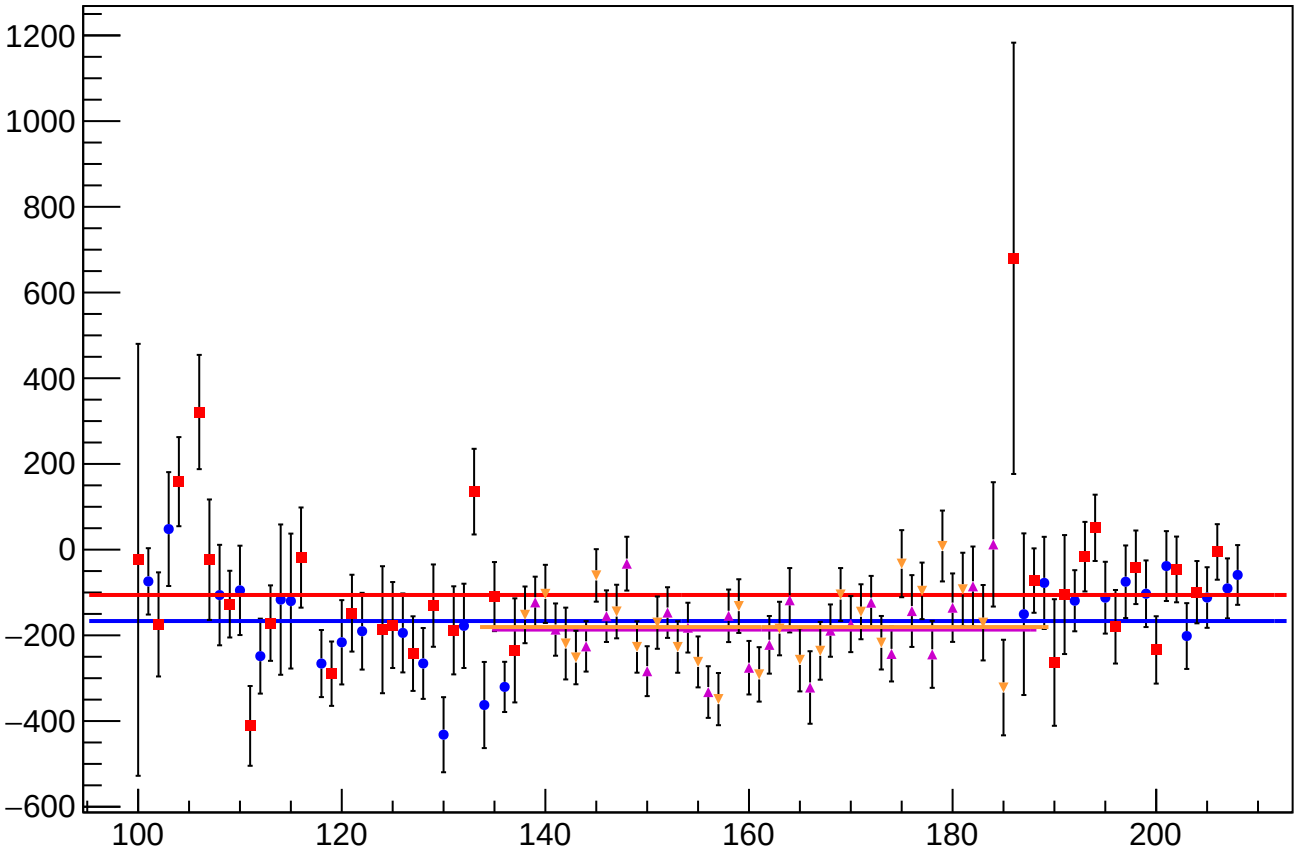
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 197.113+/-0.033 χ^2/NDF: 27133581.3/57

In: 243.866+/-0.033 χ^2/NDF:12715968.2/49

Out: 218.876+/-0.030 χ^2/NDF:17562672.1/55

All: 230.235+/-0.022 χ^2/NDF: 30594474.3/10



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -105.786+/-16.938 χ^2/NDF: 62.6/30

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

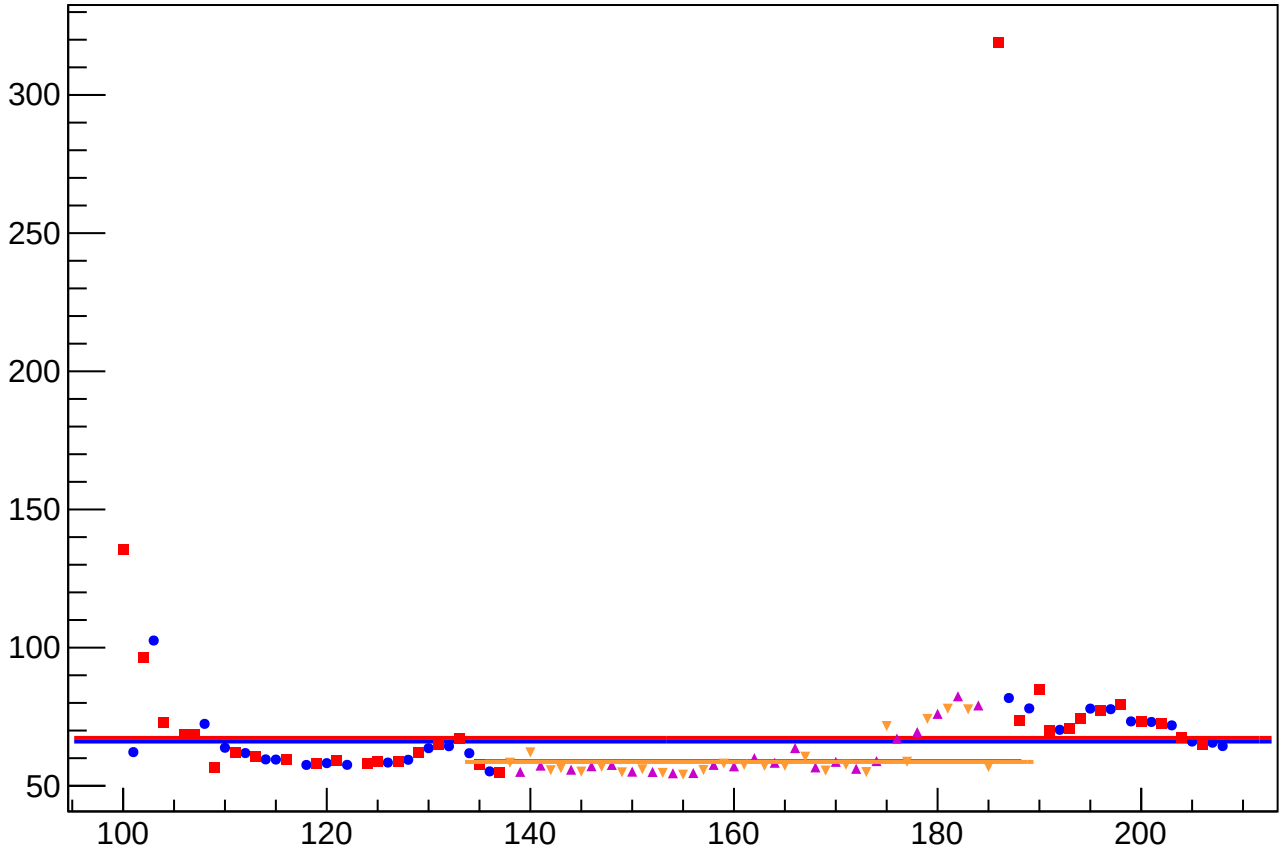
Right: -136.519+/-11.914 χ^2/NDF: 108.5/57

In: -178.464+/-10.681 χ^2/NDF:69.2/49

Out: -151.802+/-10.518 χ^2/NDF:113.2/55

All: -164.928+/-7.494 χ^2/NDF: 185.6/105

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

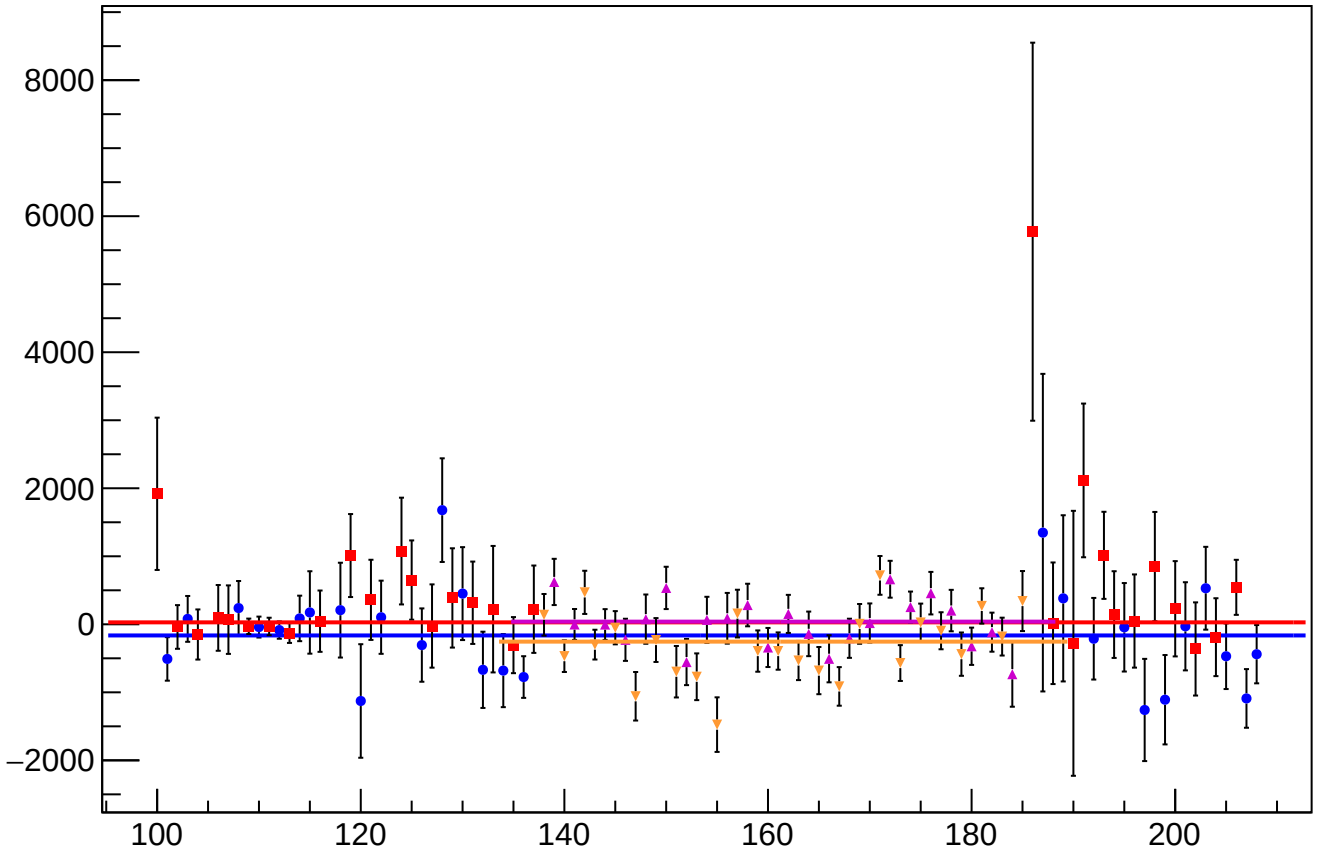
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.669+/-0.008 χ^2/NDF: 1524402.2/57

In: 61.795+/-0.008 χ^2/NDF:1098449.9/49

Out: 61.994+/-0.007 χ^2/NDF:1737806.9/55

All: 61.896+/-0.005 χ^2/NDF: 2836606.8/105



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 28.609+/-61.104 χ^2/NDF: 25.2/30

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

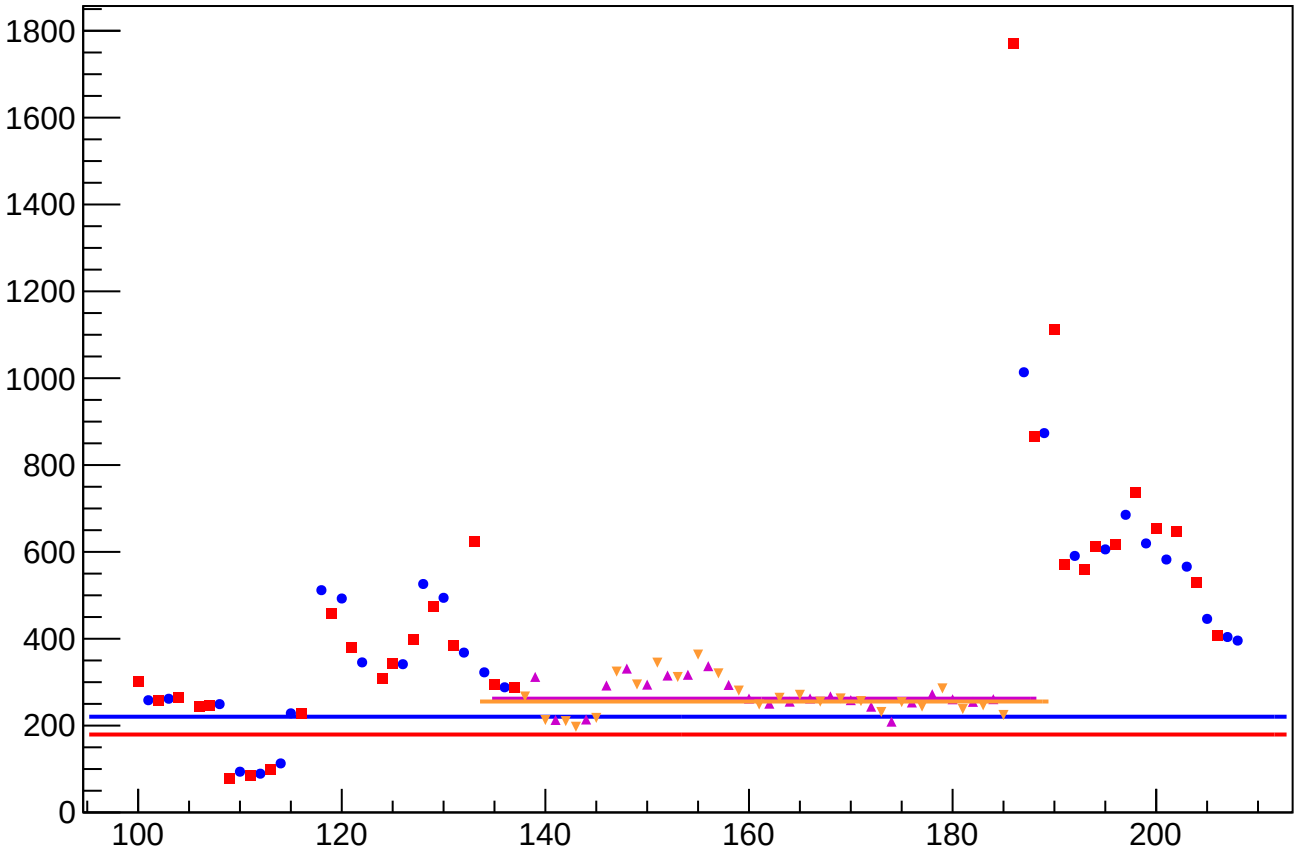
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -54.228+/-46.112 χ^2/NDF: 60.0/57

In: -49.492+/-46.445 χ^2/NDF:63.6/49

Out: -118.264+/-42.397 χ^2/NDF:94.0/55

All: -87.004+/-31.313 χ^2/NDF: 158.8/105



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

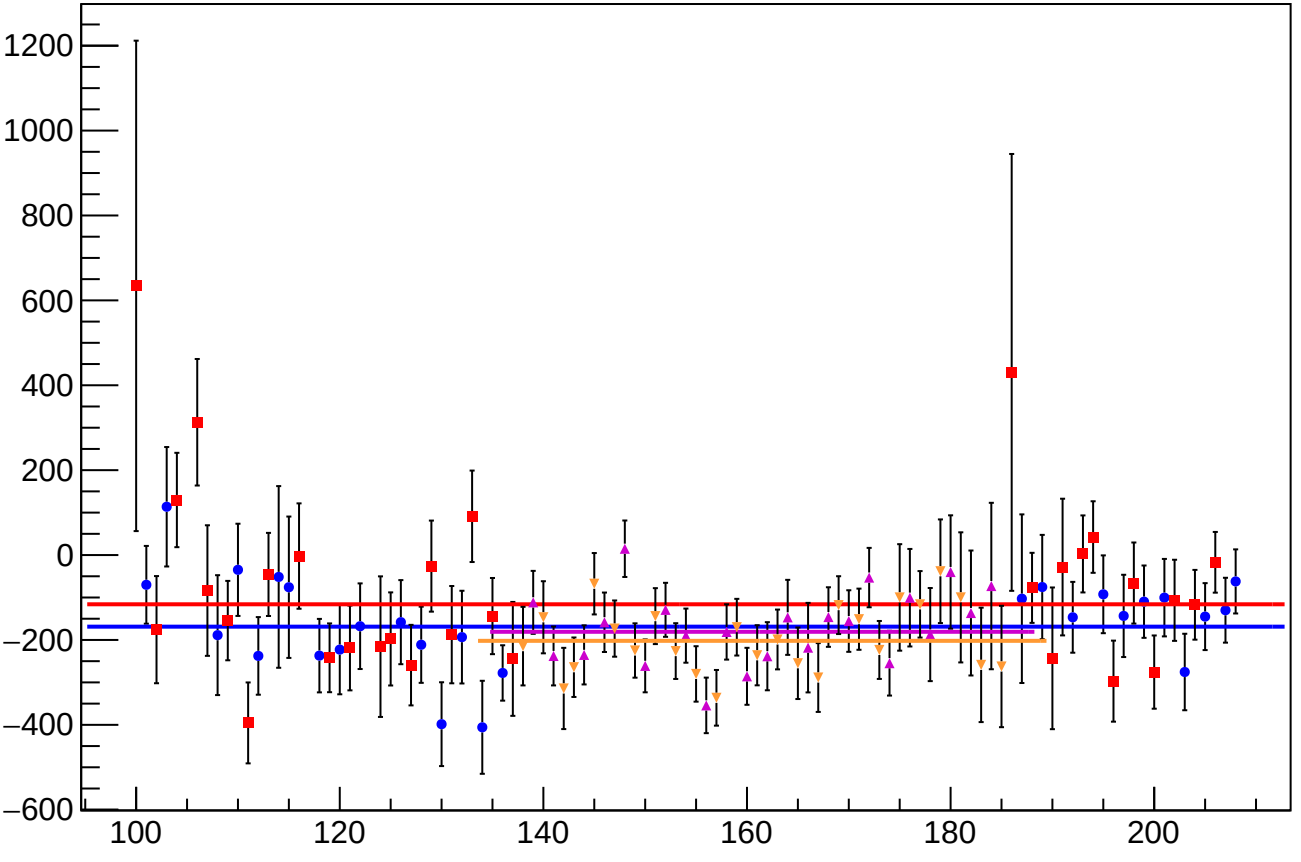
Right: 197.113+/-0.033 χ^2/NDF: 27133581.3/57

In: 243.866+/-0.033 χ^2/NDF:12715968.2/49

Out: 218.876+/-0.030 χ^2/NDF:17562672.1/55

All: 230.235+/-0.022 χ^2/NDF: 30594474.3/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.982+/-18.784 χ^2/NDF: 54.4/30

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

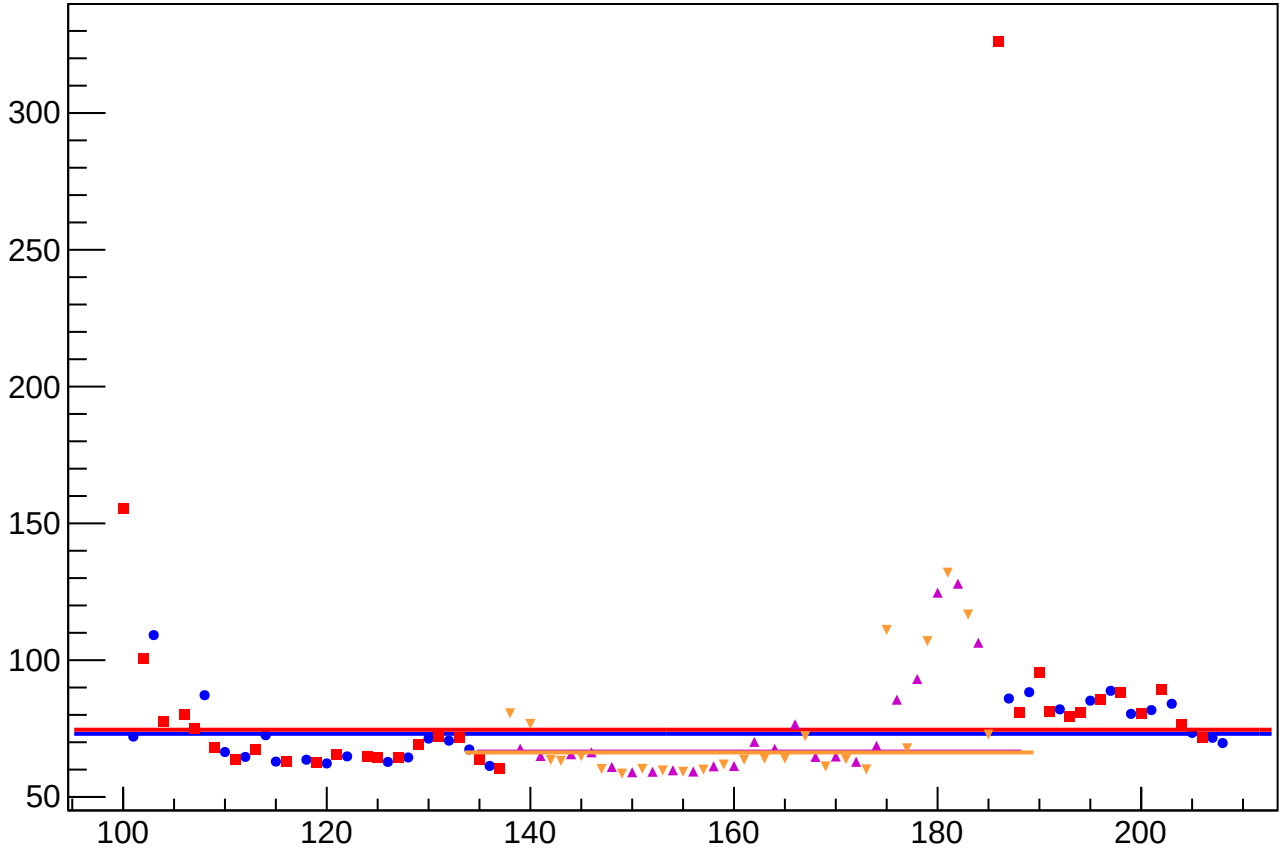
Right: -142.567+/-13.224 χ^2/NDF: 86.7/57

In: -175.640+/-12.143 χ^2/NDF:58.7/49

Out: -167.108+/-11.973 χ^2/NDF:88.4/55

All: -171.313+/-8.526 χ^2/NDF: 147.3/105

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.084+/-0.013 χ^2/NDF: 571166.0/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028014.9/30

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

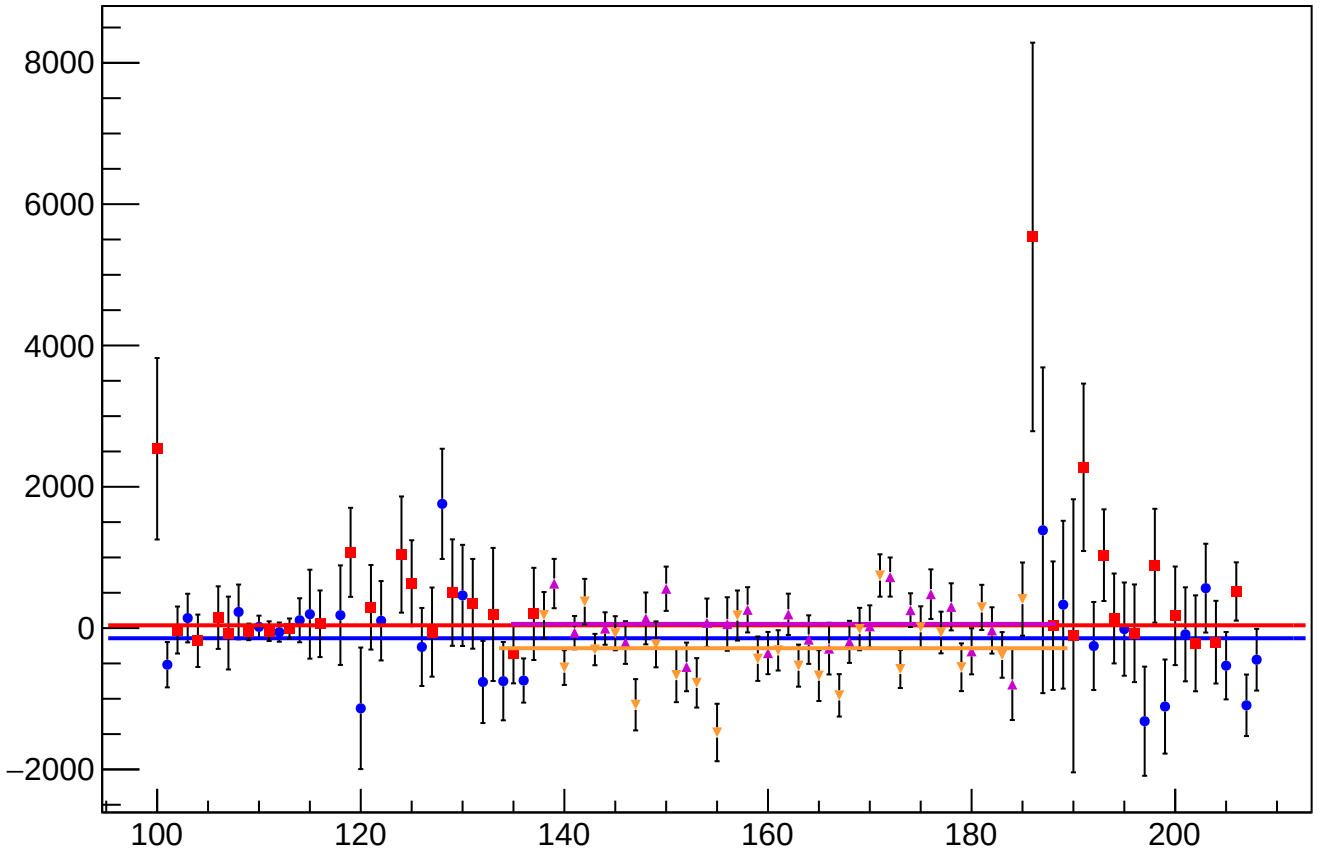
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.827+/-0.009 χ^2/NDF: 1605613.9/57

In: 69.349+/-0.009 χ^2/NDF:1869396.5/49

Out: 69.653+/-0.008 χ^2/NDF:2654009.6/55

All: 69.503+/-0.006 χ^2/NDF: 4524039.6/105



Right In: -143.489+/-72.365 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 39.813+/-62.744 χ^2/NDF: 25.0/30

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

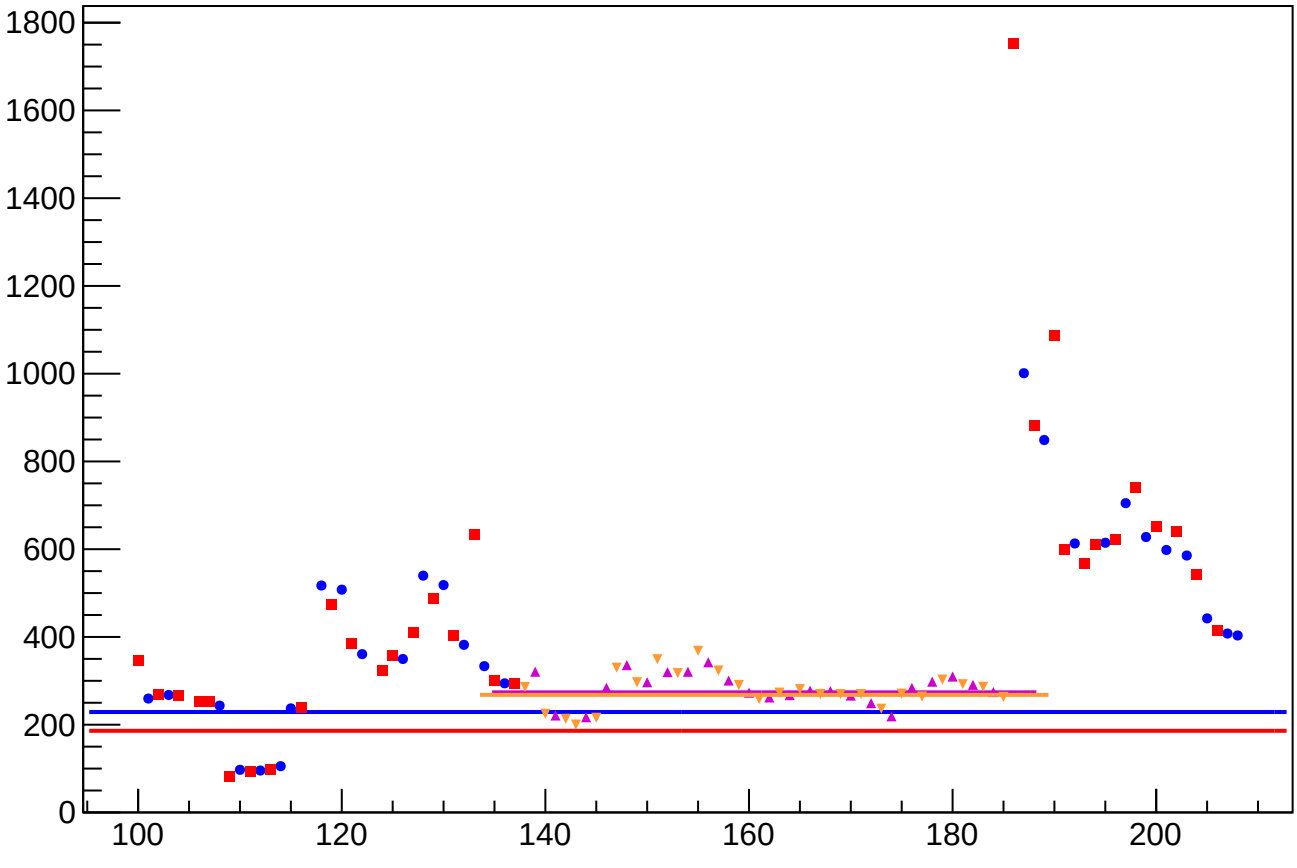
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -38.851+/-47.406 χ^2/NDF: 60.8/57

In: -30.769+/-48.206 χ^2/NDF:63.3/49

Out: -124.966+/-44.003 χ^2/NDF:93.2/55

All: -82.153+/-32.499 χ^2/NDF: 158.6/105



Right In: 228.906+/-0.051 χ^2/NDF: 11373267.8/26

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893647.5/30

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

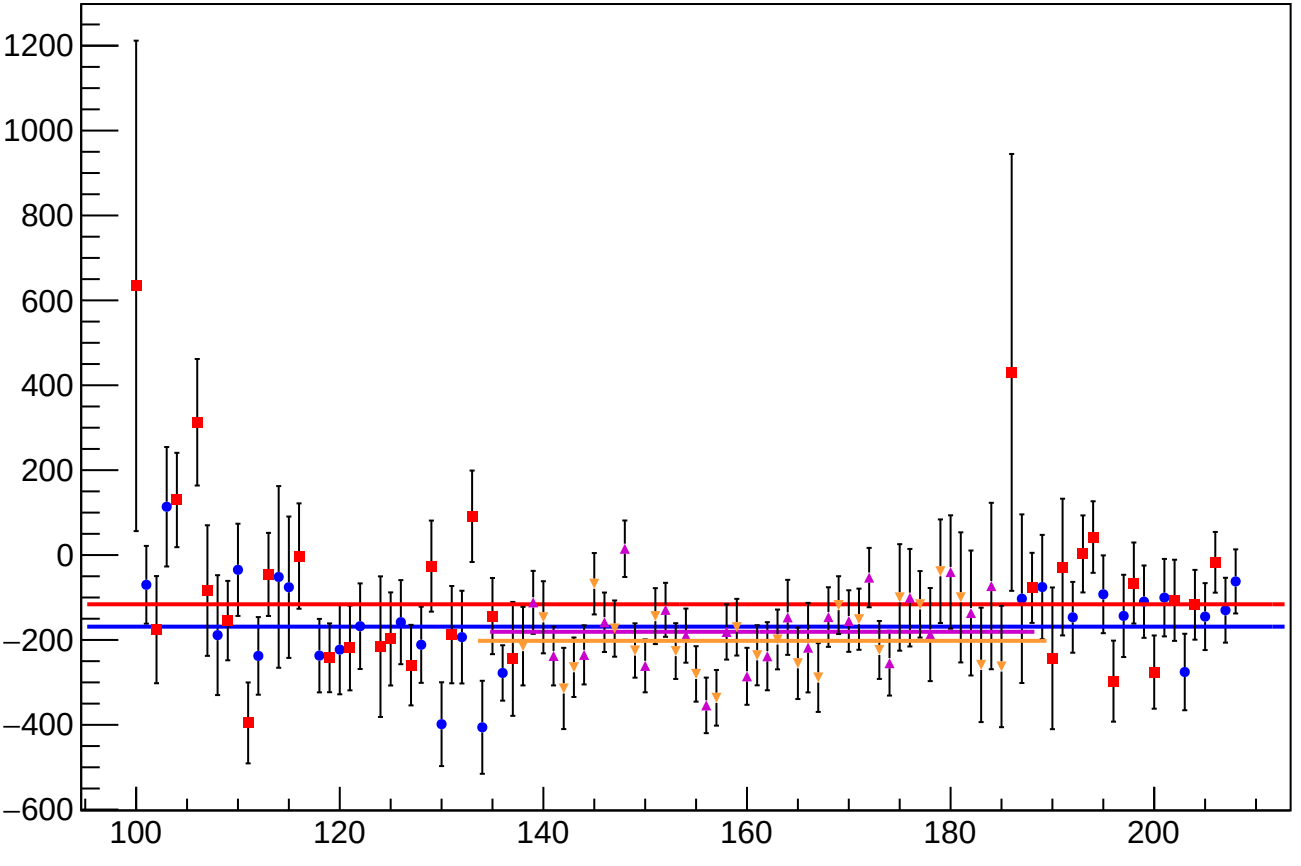
Right: 204.461+/-0.034 χ^2/NDF: 26666677.9/57

In: 253.850+/-0.034 χ^2/NDF:12450797.0/49

Out: 227.704+/-0.031 χ^2/NDF:17488110.2/55

All: 239.587+/-0.023 χ^2/NDF: 30259845.5/10

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.982+/-18.784 χ^2/NDF: 54.4/30

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

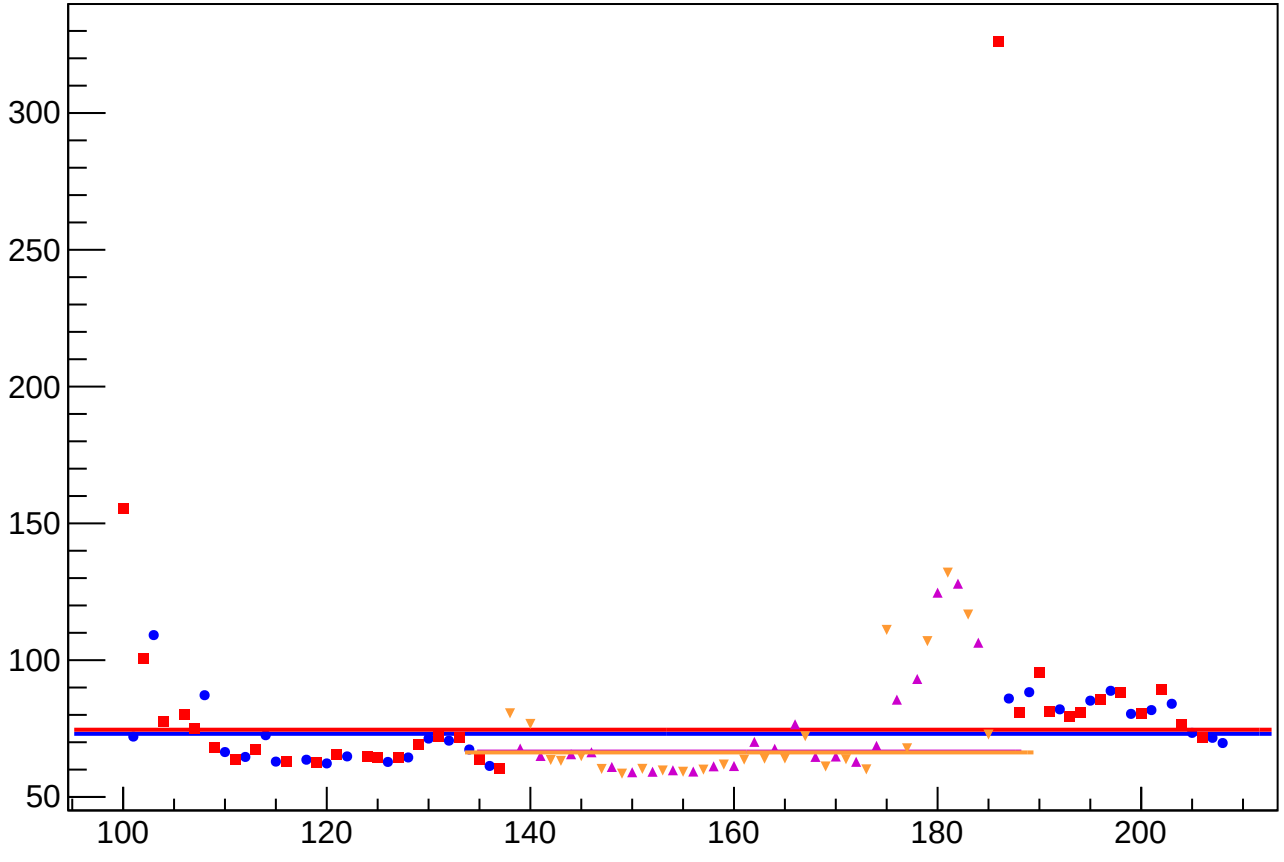
Right: -142.567+/-13.224 χ^2/NDF: 86.7/57

In: -175.640+/-12.143 χ^2/NDF:58.7/49

Out: -167.108+/-11.973 χ^2/NDF:88.4/55

All: -171.314+/-8.526 χ^2/NDF: 147.3/105

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.084+/-0.013 χ^2/NDF: 571169.8/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028020.0/30

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

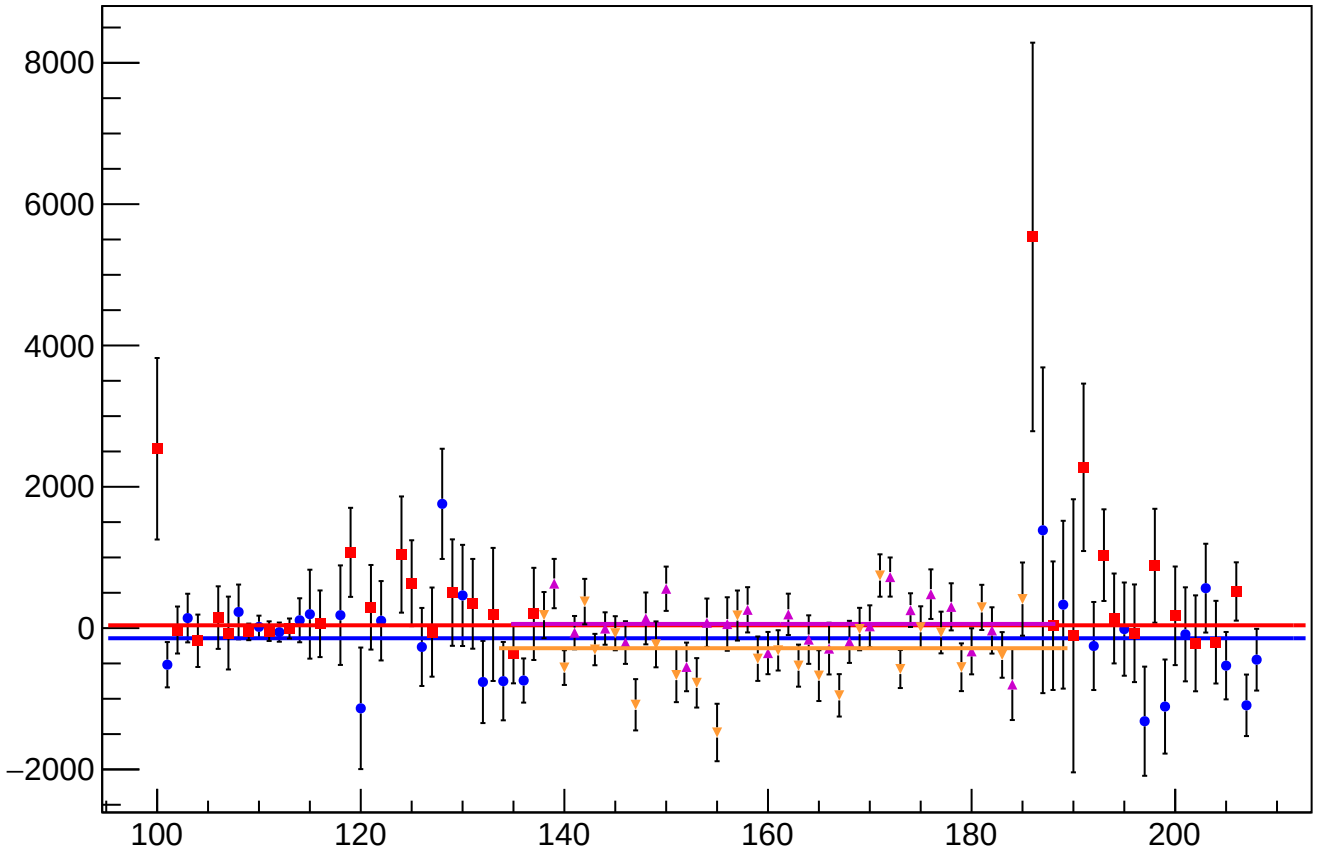
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.827+/-0.009 χ^2/NDF: 1605622.5/57

In: 69.349+/-0.009 χ^2/NDF:1869387.1/49

Out: 69.653+/-0.008 χ^2/NDF:2654006.7/55

All: 69.503+/-0.006 χ^2/NDF: 4524027.3/105



Right In: -143.487+/-72.364 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 39.811+/-62.743 χ^2/NDF: 25.0/30

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

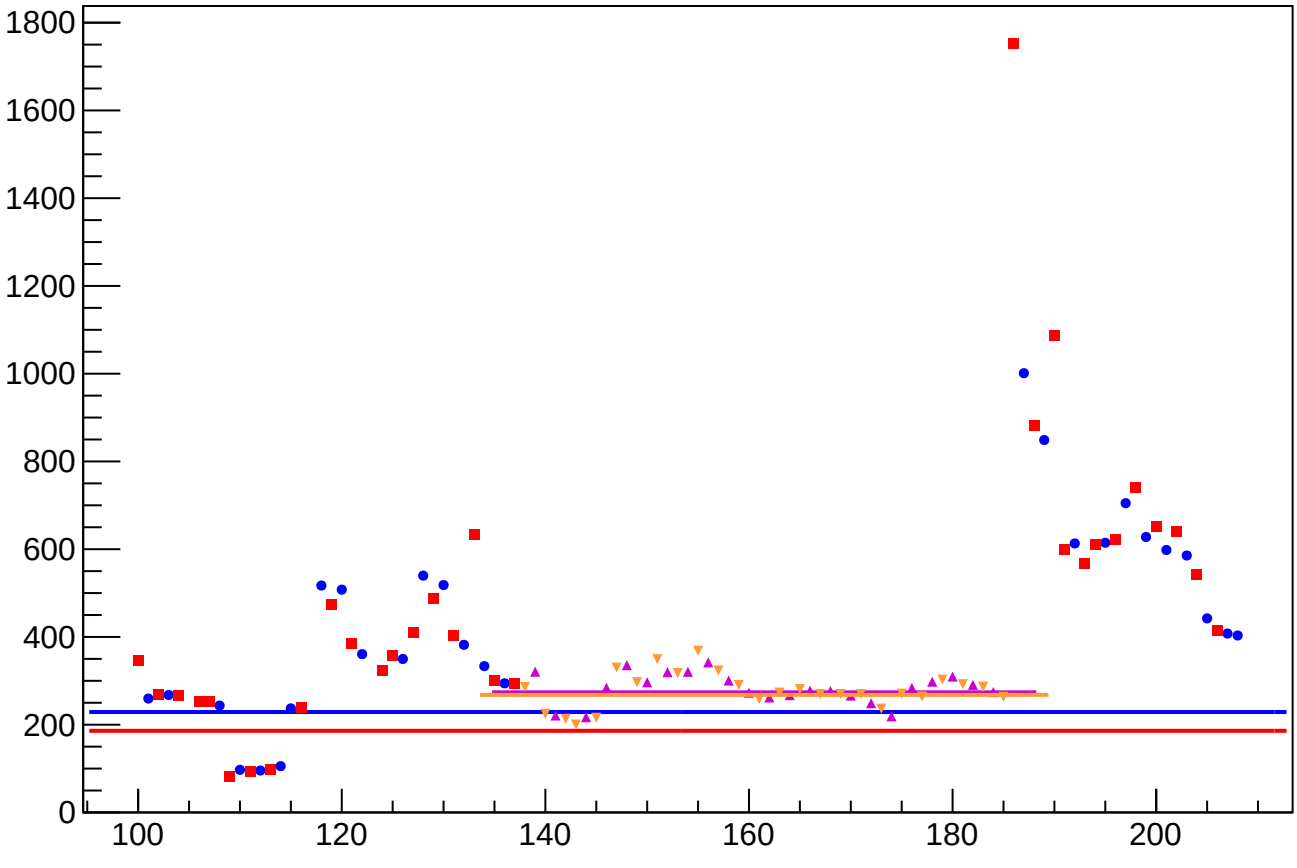
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -38.851+/-47.406 χ^2/NDF: 60.8/57

In: -30.768+/-48.206 χ^2/NDF:63.3/49

Out: -124.966+/-44.003 χ^2/NDF:93.2/55

All: -82.153+/-32.499 χ^2/NDF: 158.6/105



Right In: 228.904+/-0.051 χ^2/NDF: 11373341.4/26

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893633.0/30

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

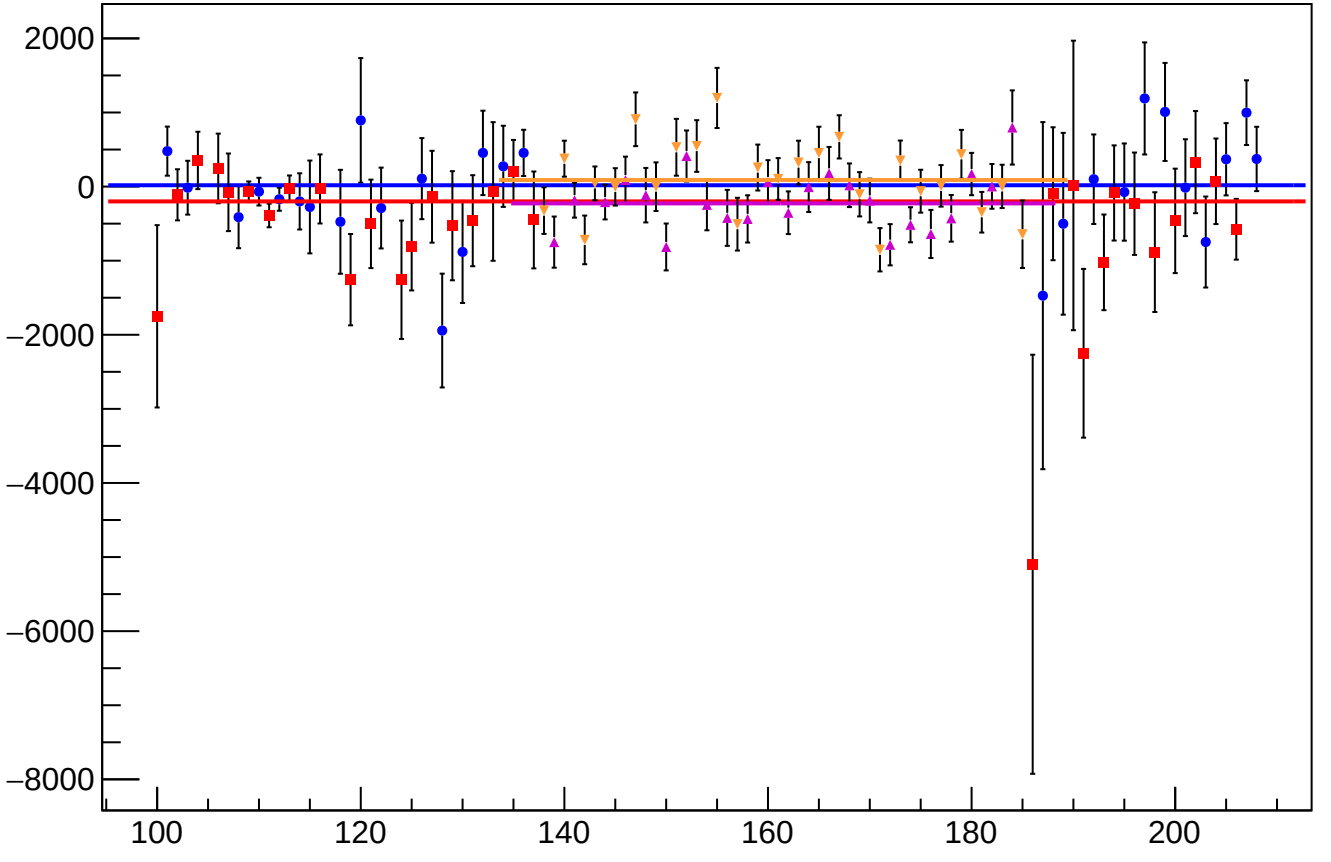
Right: 204.460+/-0.034 χ^2/NDF: 26666716.6/57

In: 253.849+/-0.034 χ^2/NDF:12450894.8/49

Out: 227.703+/-0.031 χ^2/NDF:17488094.5/55

All: 239.586+/-0.023 χ^2/NDF: 30259913.8/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: 18.133+/-78.534 χ^2/NDF: 31.2/26

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -199.821+/-70.078 χ^2/NDF: 26.1/30

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

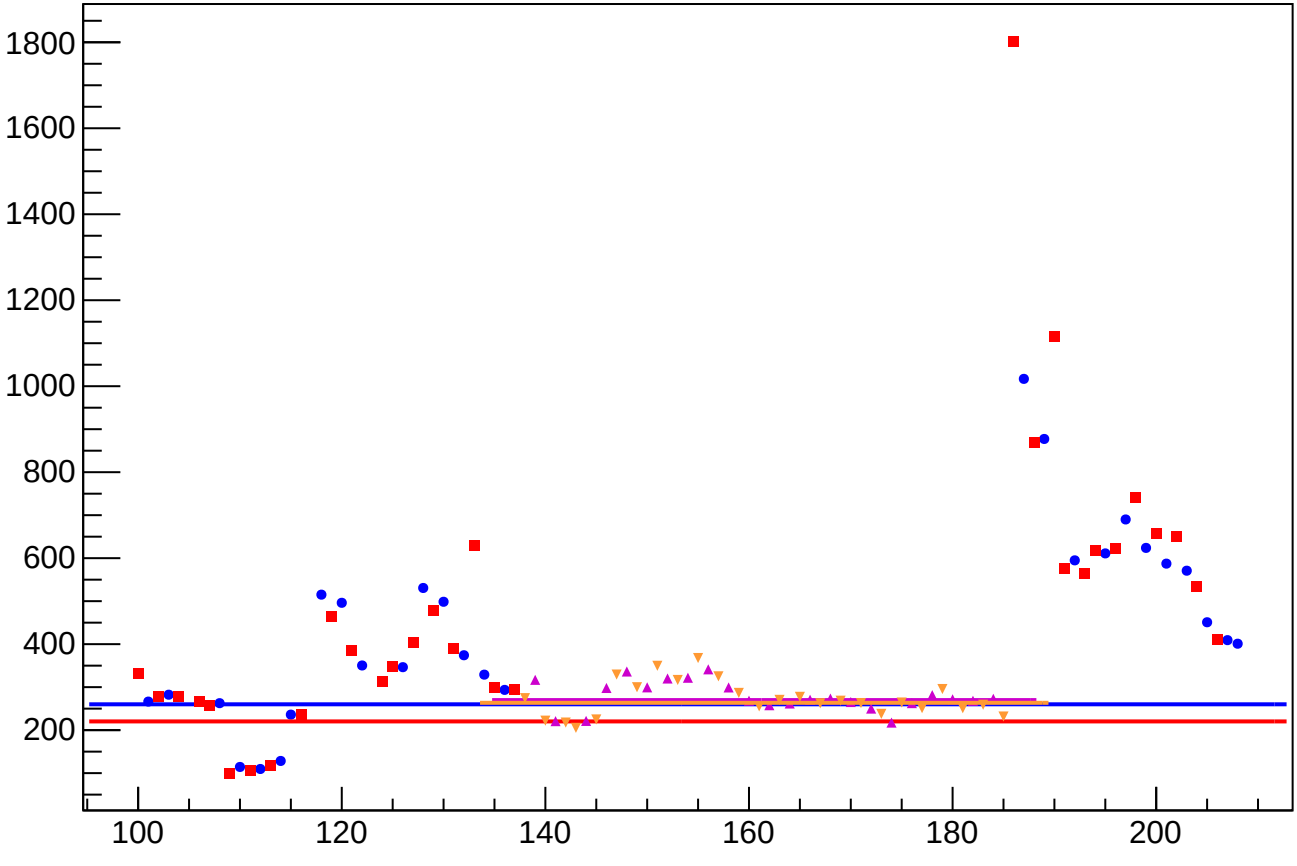
Right: -103.204+/-52.288 χ^2/NDF: 61.6/57

In: -129.686+/-49.461 χ^2/NDF:65.9/49

Out: -35.070+/-45.867 χ^2/NDF:88.0/55

All: -78.816+/-33.632 χ^2/NDF: 155.8/105

asym_sam8_rms vs Slug, Sign Corrected



Right In: 260.092+/-0.056 χ^2/NDF: 9405390.9/26

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 220.282+/-0.050 χ^2/NDF: 12766317.3/30

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

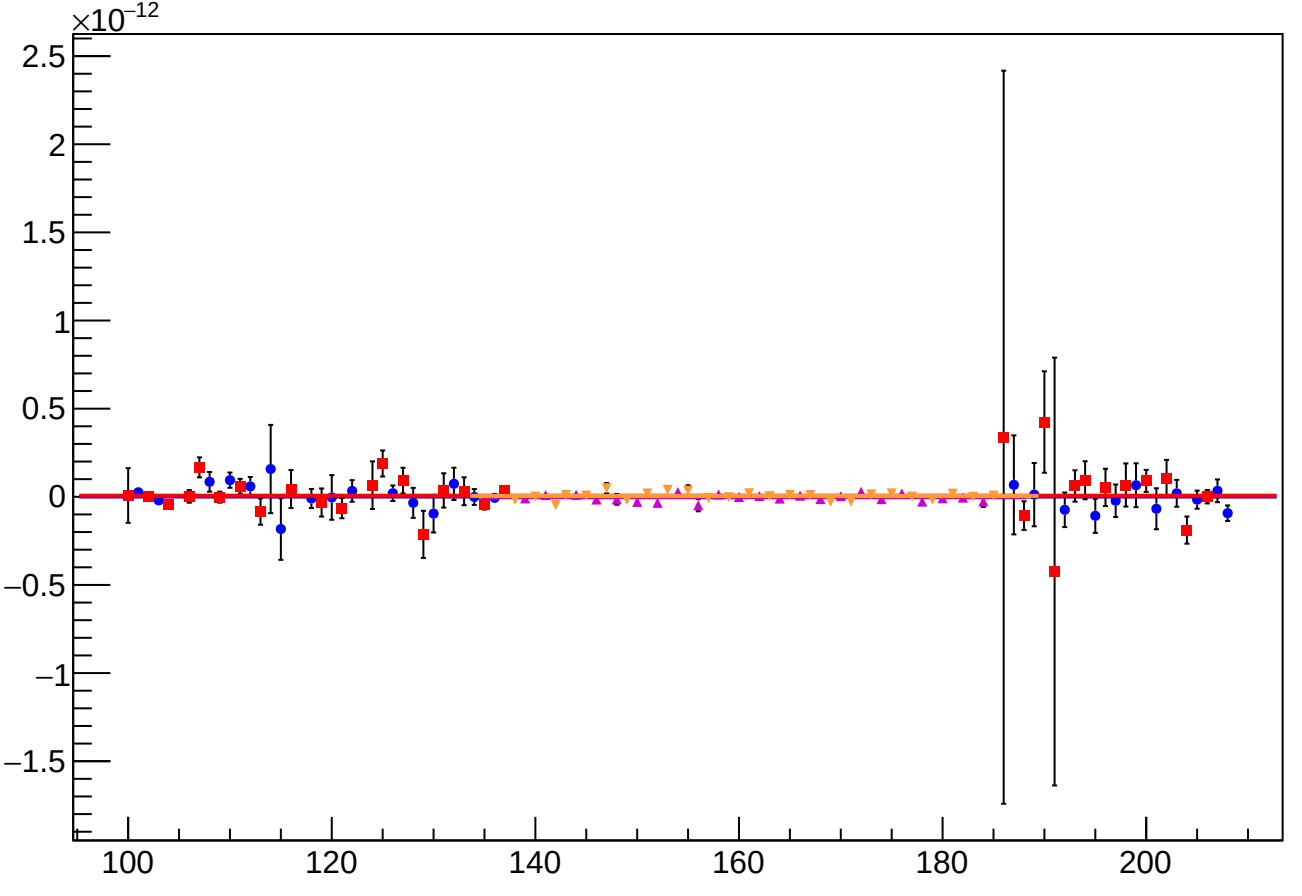
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 237.930+/-0.037 χ^2/NDF: 22457813.5/57

In: 266.008+/-0.035 χ^2/NDF:10026446.6/49

Out: 245.039+/-0.032 χ^2/NDF:13982837.6/55

All: 254.734+/-0.024 χ^2/NDF: 24202547.0/10



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/30

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

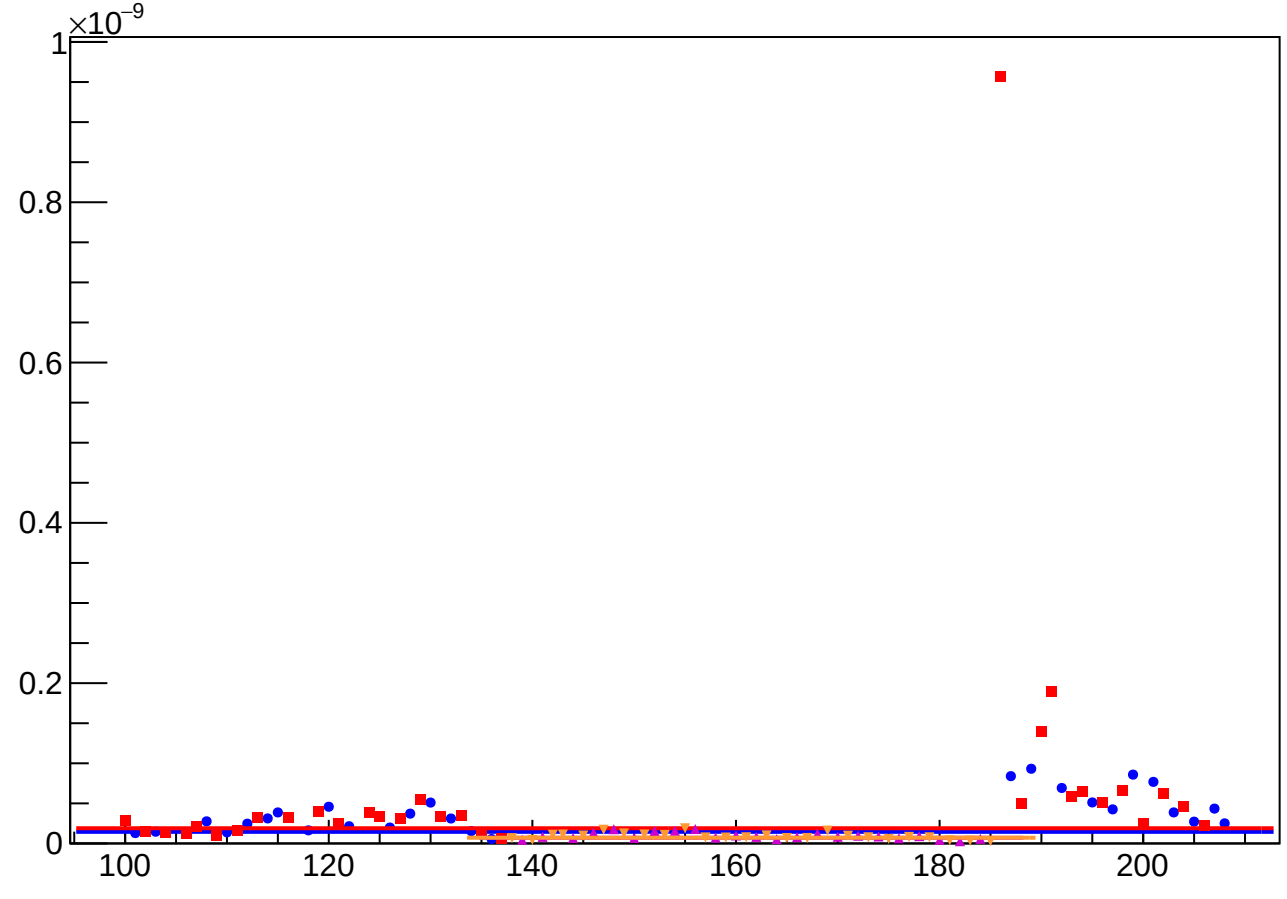
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 67.3/57

In: -0.000+/-0.000 χ^2/NDF:43.6/49

Out: 0.000+/-0.000 χ^2/NDF:73.3/55

All: 0.000+/-0.000 χ^2/NDF: 120.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 5765126.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4615592.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

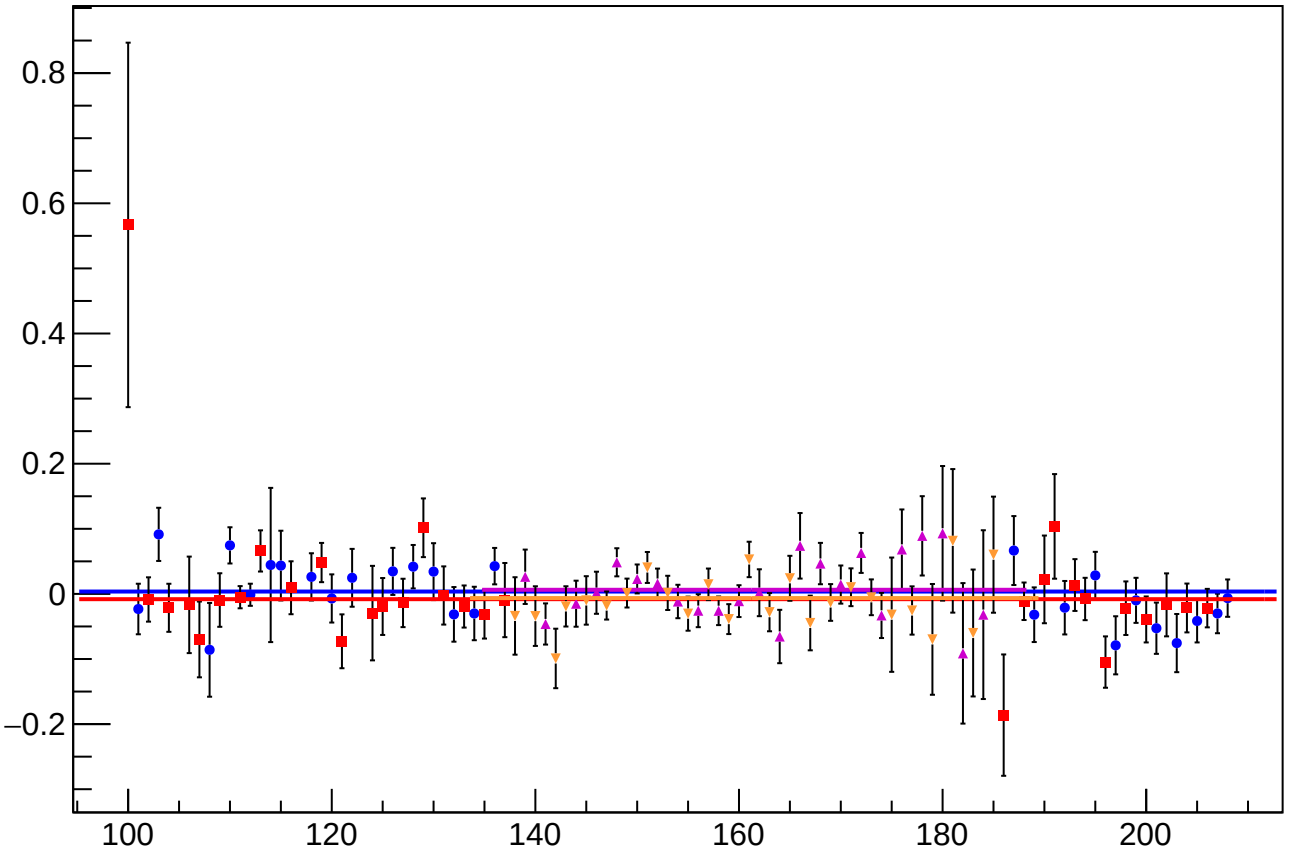
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10650458.5/57

In: 0.000+/-0.000 χ^2/NDF:9377390.9/49

Out: 0.000+/-0.000 χ^2/NDF:9453601.5/55

All: 0.000+/-0.000 χ^2/NDF: 18832967.0/105



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.007 χ^2/NDF: 37.1/30

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

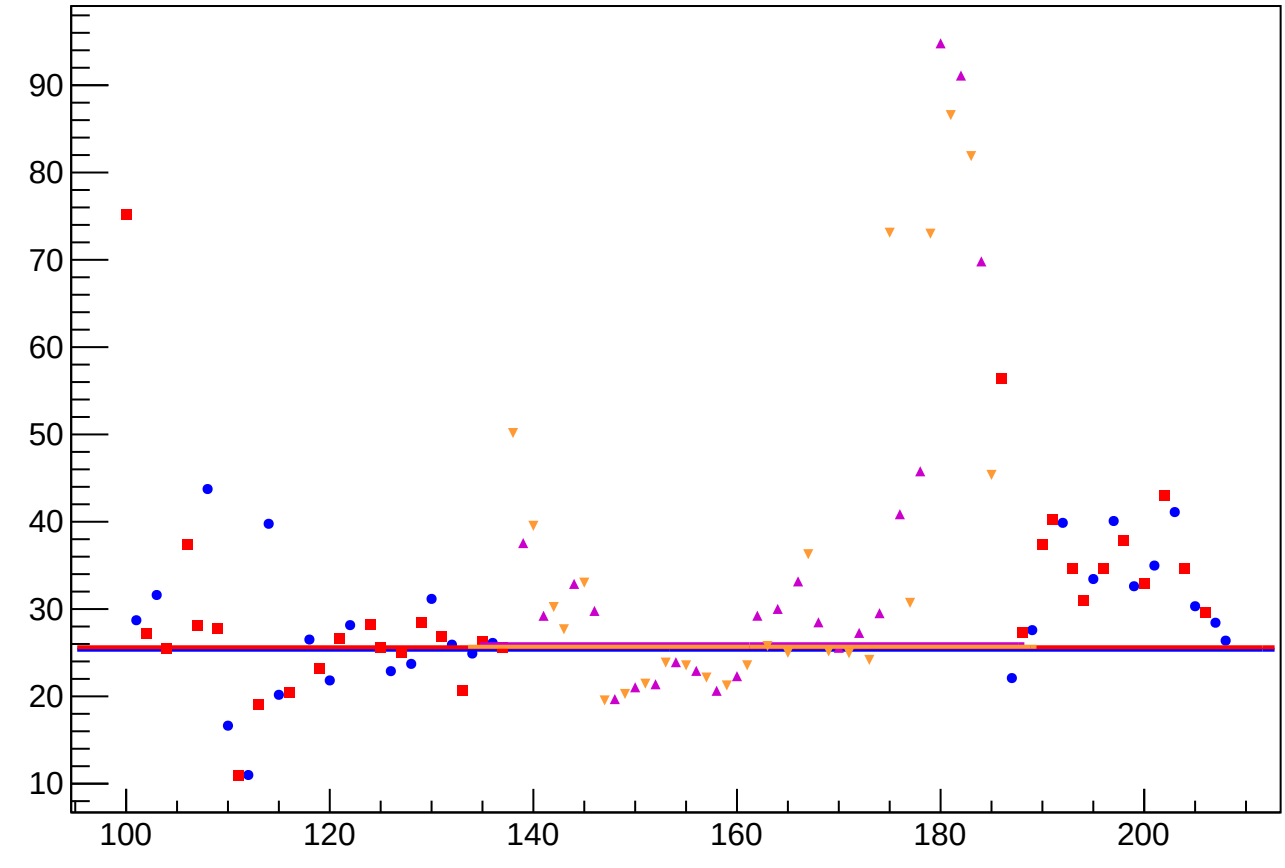
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.002+/-0.005 χ^2/NDF: 74.0/57

In: 0.005+/-0.005 χ^2/NDF:63.9/49

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 127.0/105



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

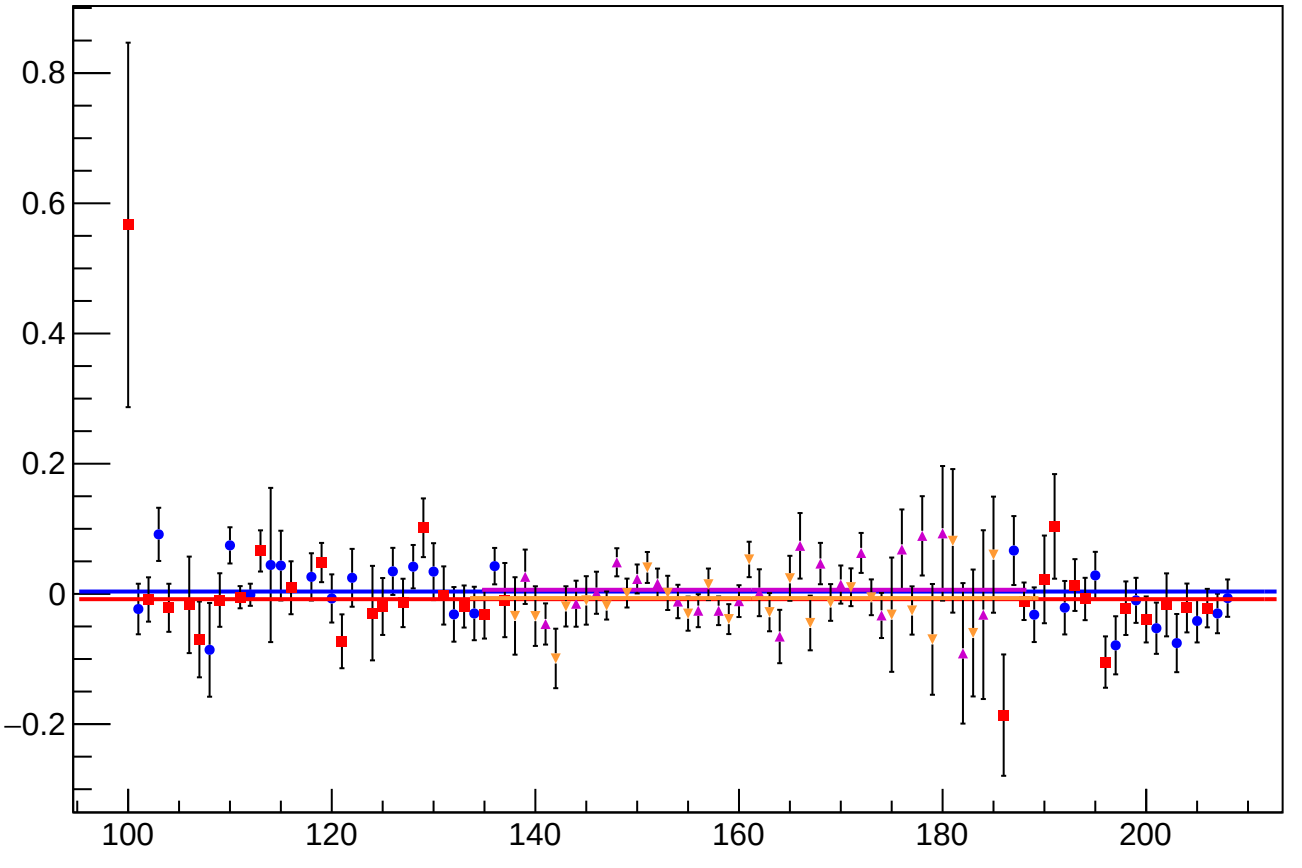
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.483+/-0.003 χ^2/NDF: 6147961.7/57

In: 25.668+/-0.003 χ^2/NDF:6178719.8/49

Out: 25.656+/-0.003 χ^2/NDF:6966241.4/55

All: 25.662+/-0.002 χ^2/NDF: 13144968.3/105



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.007 χ^2/NDF: 37.1/30

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

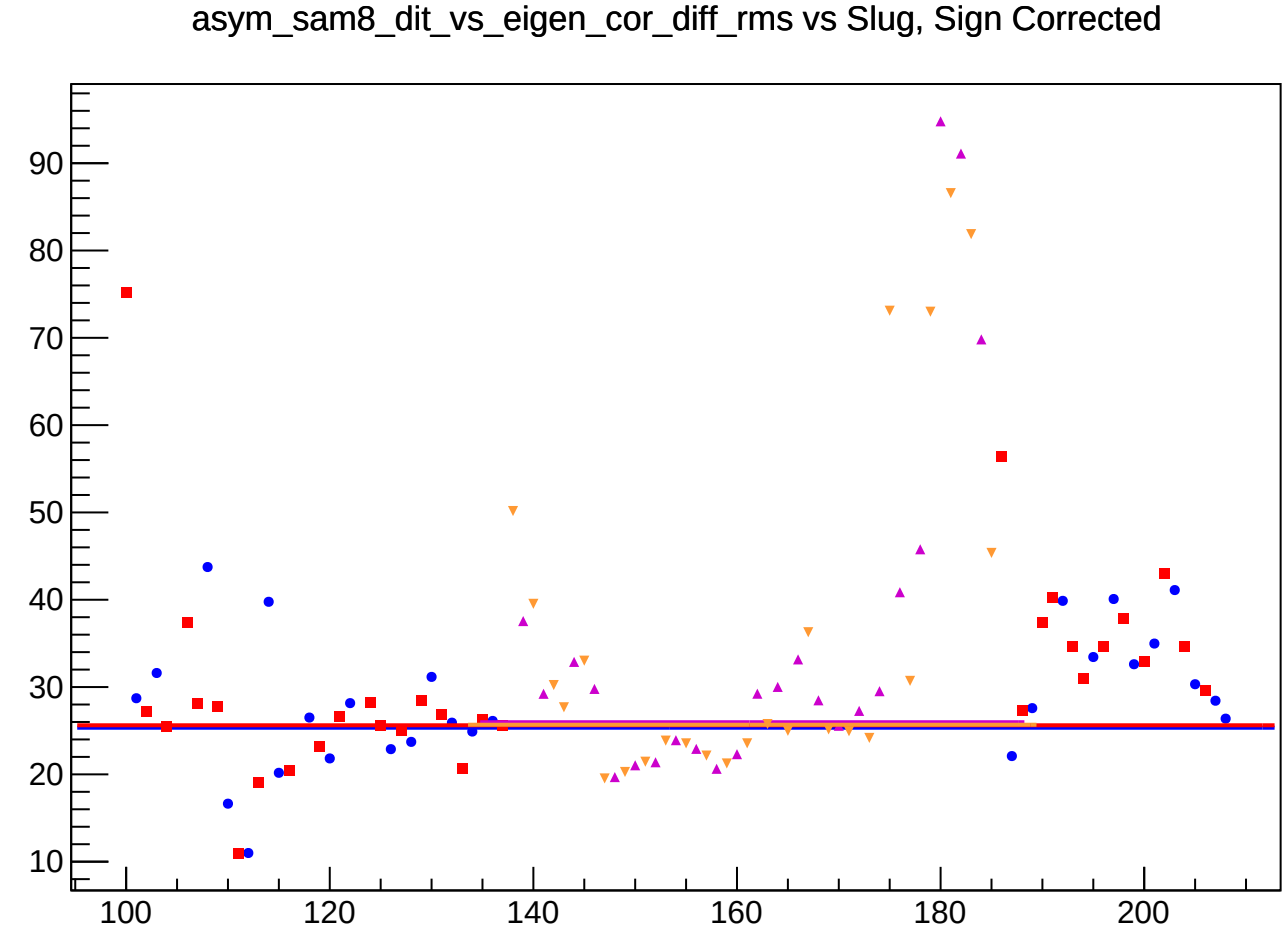
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.002+/-0.005 χ^2/NDF: 74.0/57

In: 0.005+/-0.005 χ^2/NDF:63.9/49

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 127.0/105



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

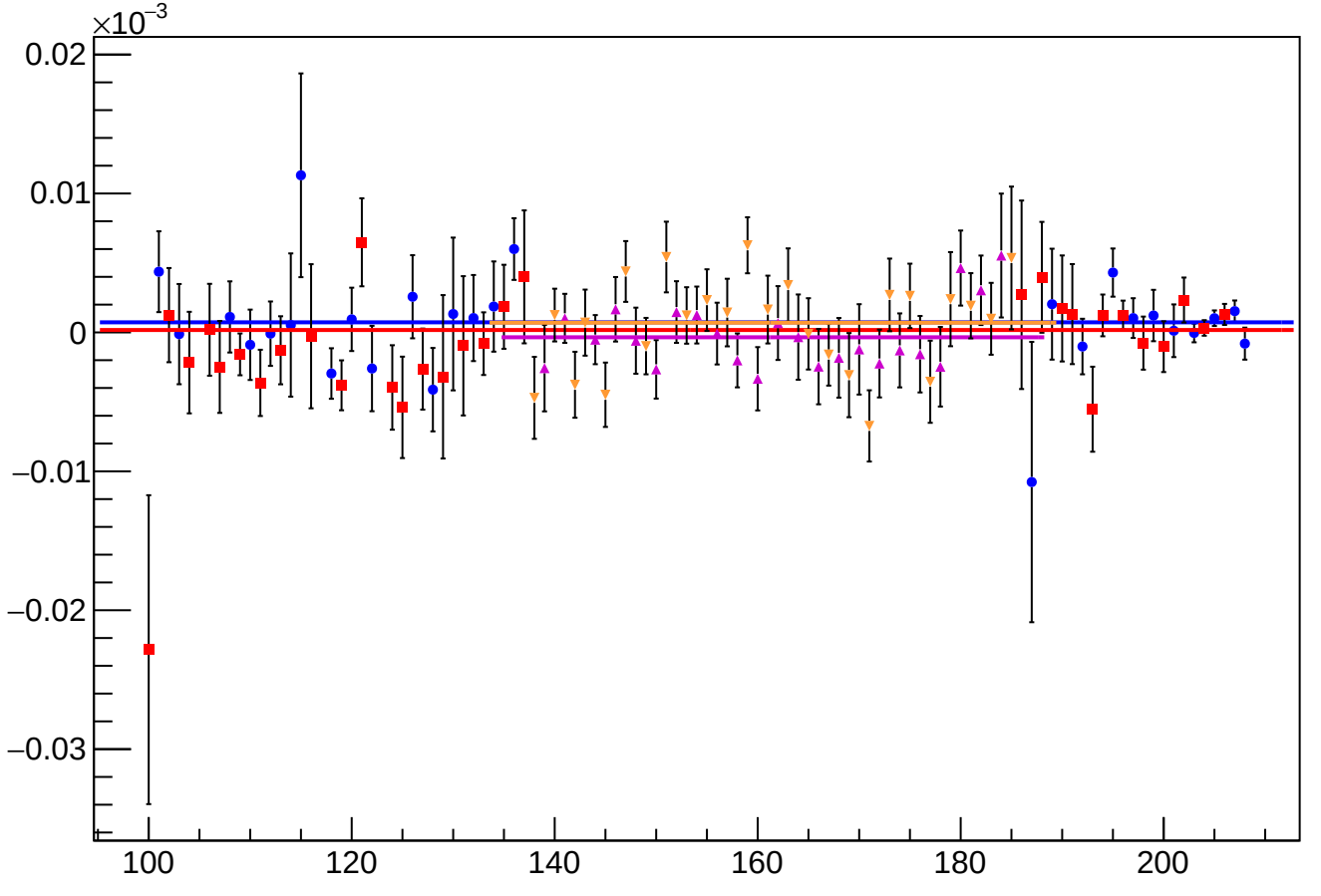
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.483+/-0.003 χ^2/NDF: 6147961.7/57

In: 25.668+/-0.003 χ^2/NDF:6178719.8/49

Out: 25.656+/-0.003 χ^2/NDF:6966241.4/55

All: 25.662+/-0.002 χ^2/NDF: 13144968.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/30

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

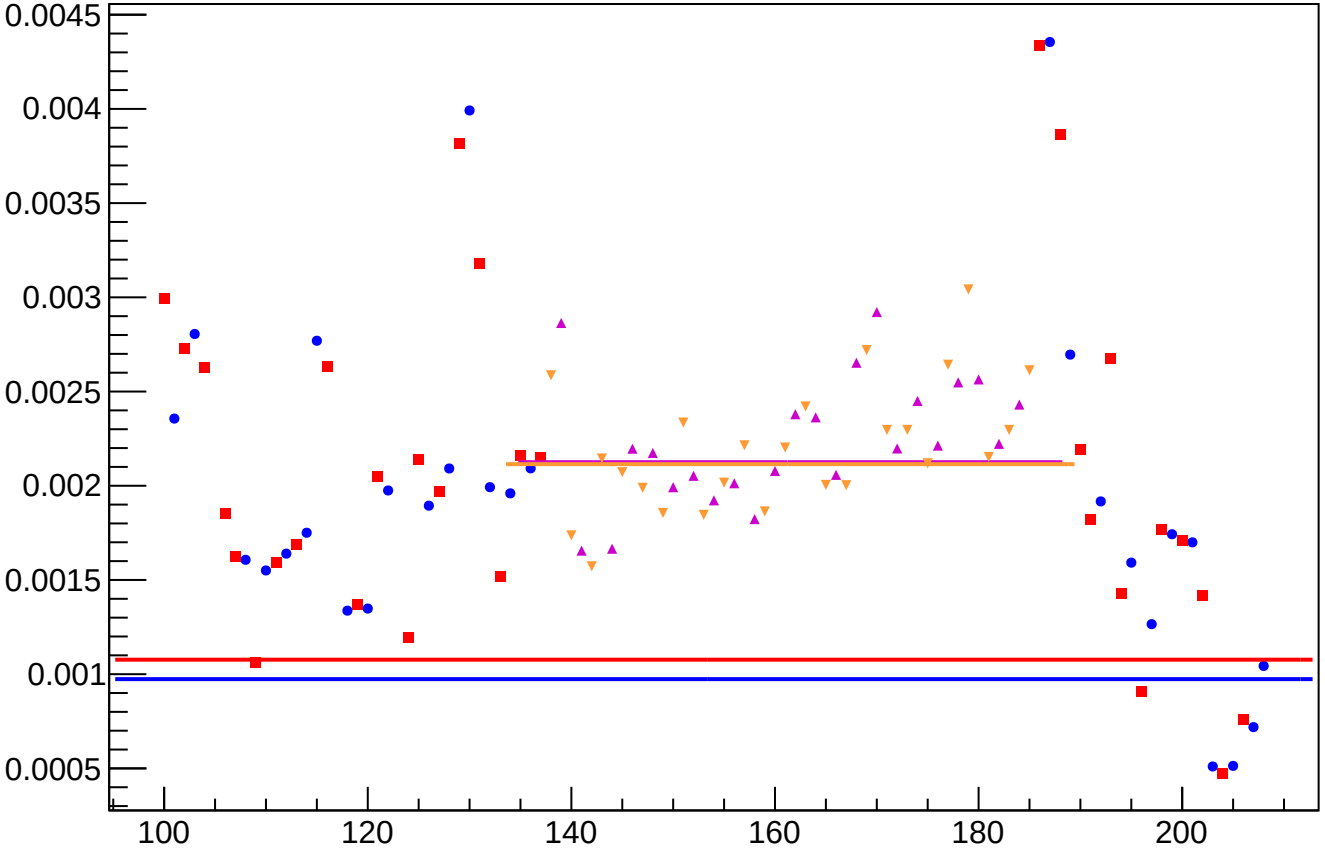
Right: 0.000+/-0.000 χ^2/NDF: 67.3/57

In: 0.000+/-0.000 χ^2/NDF:49.2/49

Out: 0.000+/-0.000 χ^2/NDF:81.4/55

All: 0.000+/-0.000 χ^2/NDF: 130.7/105

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8392640.5/26

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8974585.8/30

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

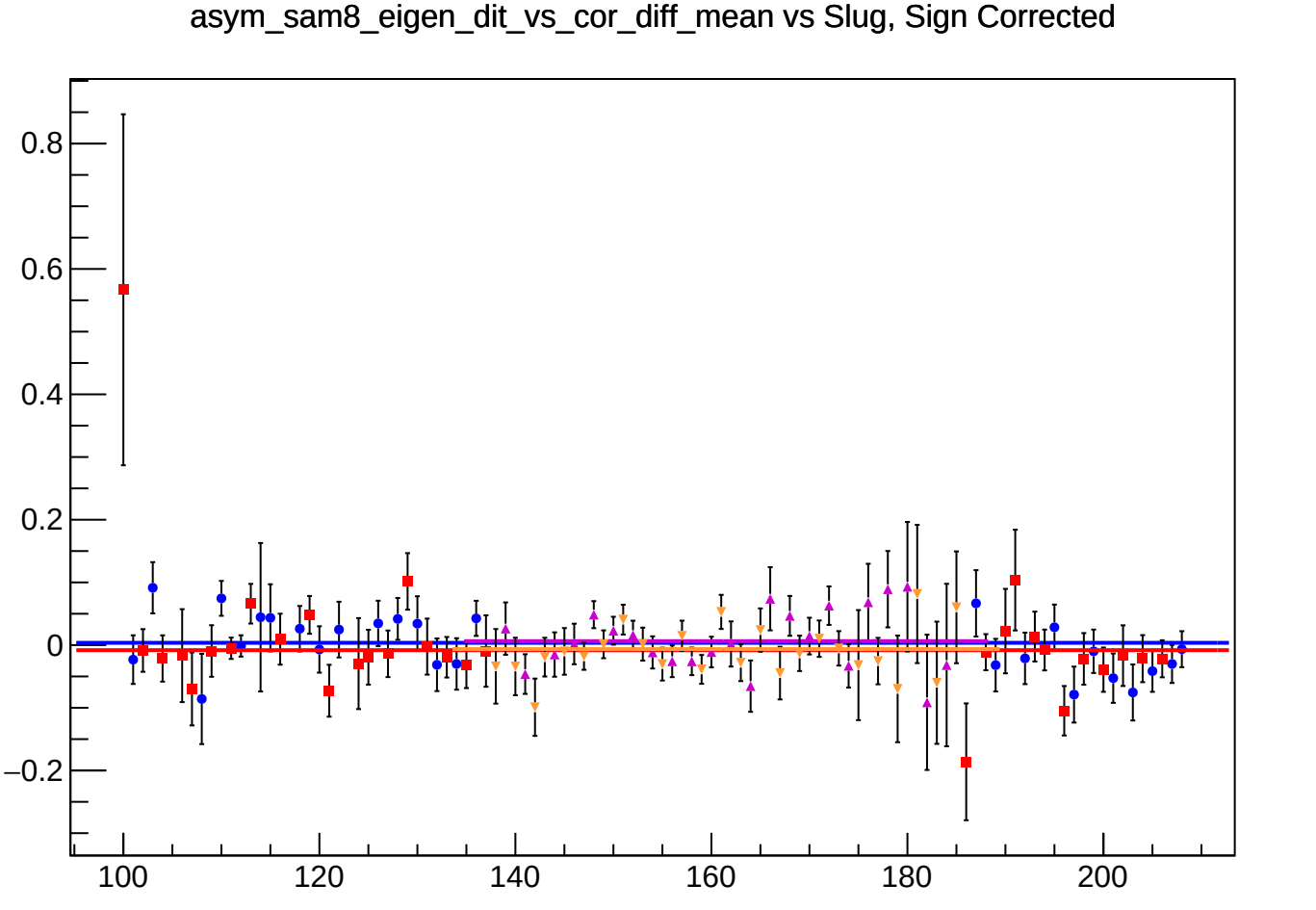
Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

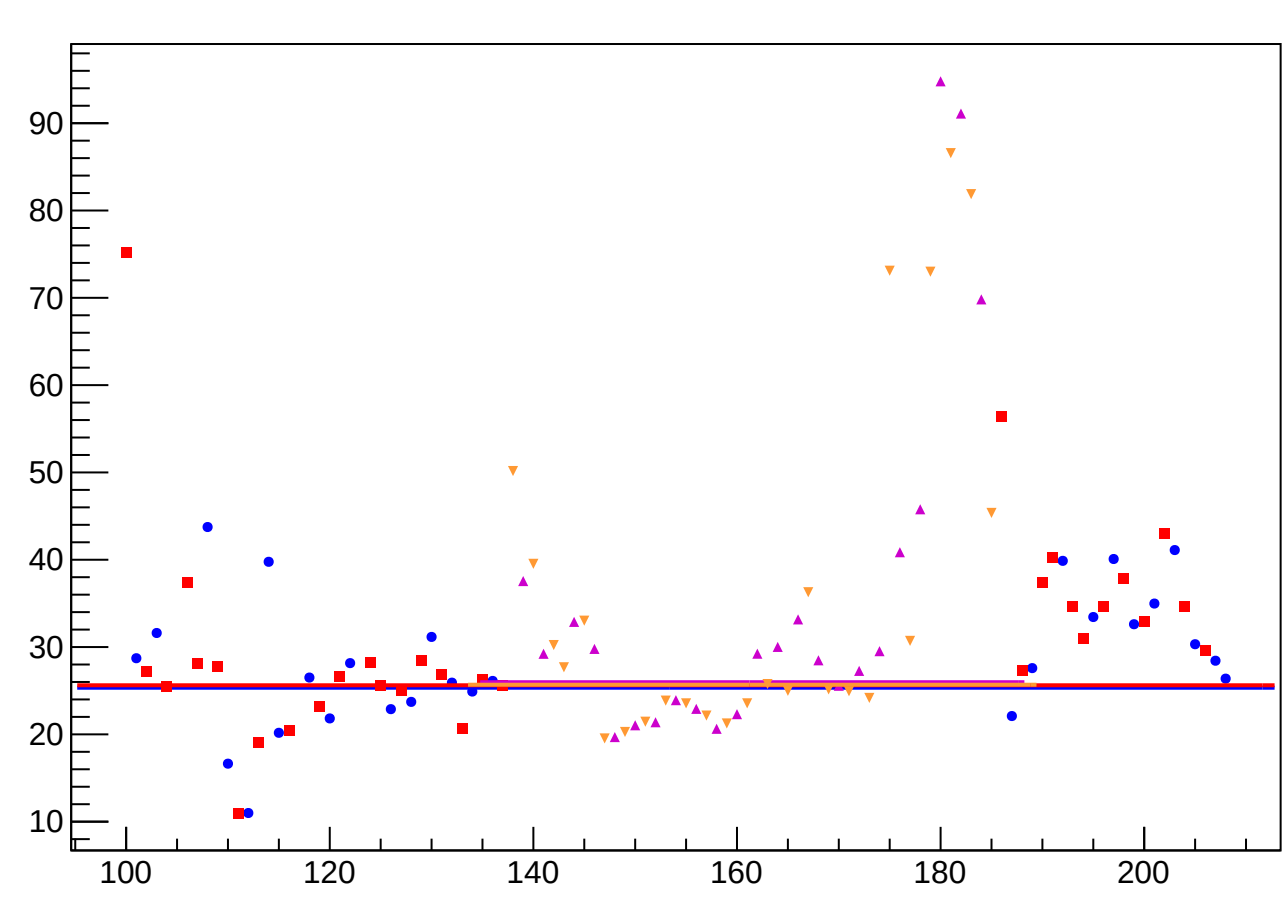
Right: 0.001+/-0.000 χ^2/NDF: 17481002.5/57

In: 0.001+/-0.000 χ^2/NDF:17026389.8/49

Out: 0.001+/-0.000 χ^2/NDF:16100566.4/55

All: 0.001+/-0.000 χ^2/NDF: 33342127.8/105


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.004+/-0.007 χ²/NDF: 35.4/26
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.008+/-0.007 χ²/NDF: 37.1/30
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: -0.002+/-0.005 χ²/NDF: 74.0/57
In: 0.005+/-0.005 χ²/NDF:63.9/49
Out: -0.007+/-0.005 χ²/NDF:59.7/55
All: -0.001+/-0.003 χ²/NDF: 126.9/105



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

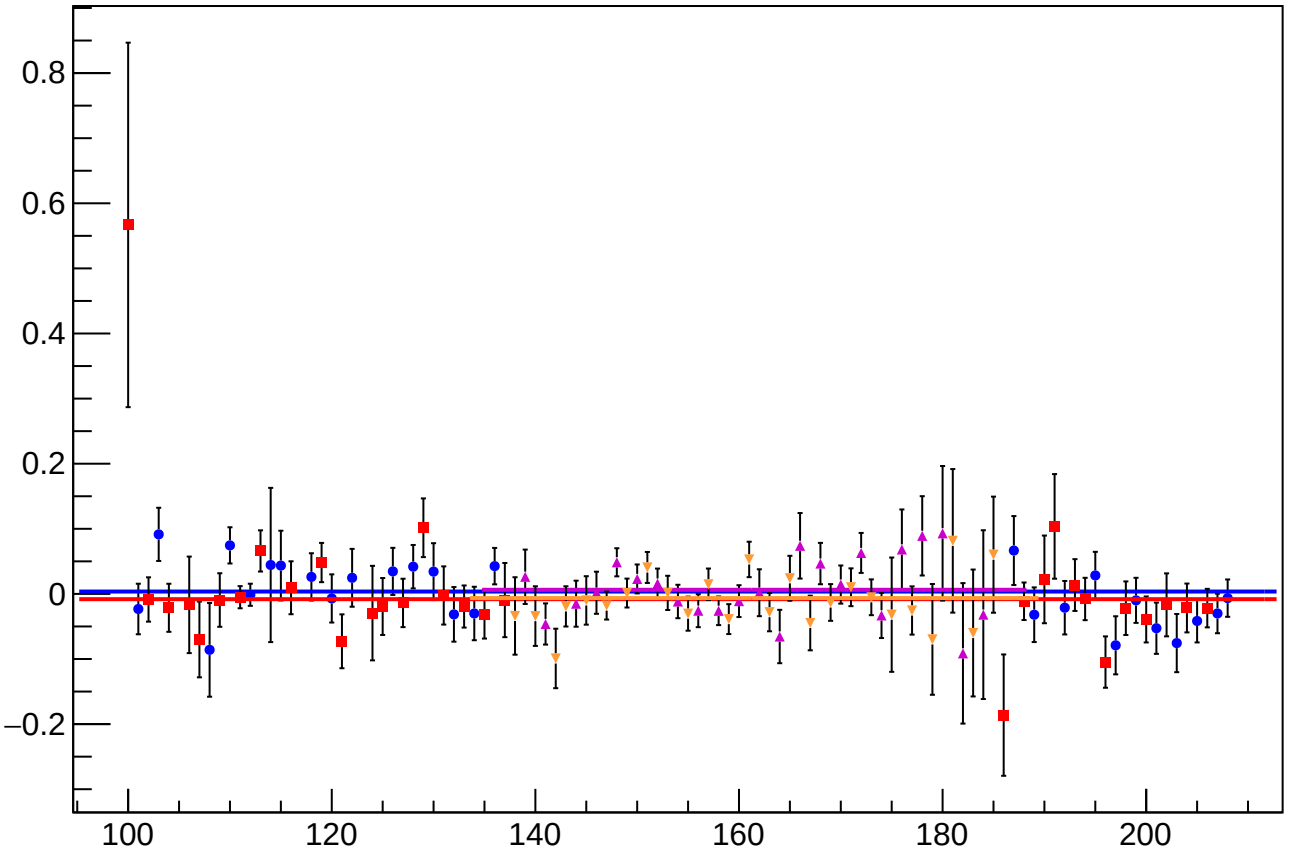
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.482+/-0.003 χ^2/NDF: 6148526.9/57

In: 25.668+/-0.003 χ^2/NDF:6178996.4/49

Out: 25.655+/-0.003 χ^2/NDF:6966533.3/55

All: 25.661+/-0.002 χ^2/NDF: 13145536.7/105



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.007 χ^2/NDF: 37.1/30

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

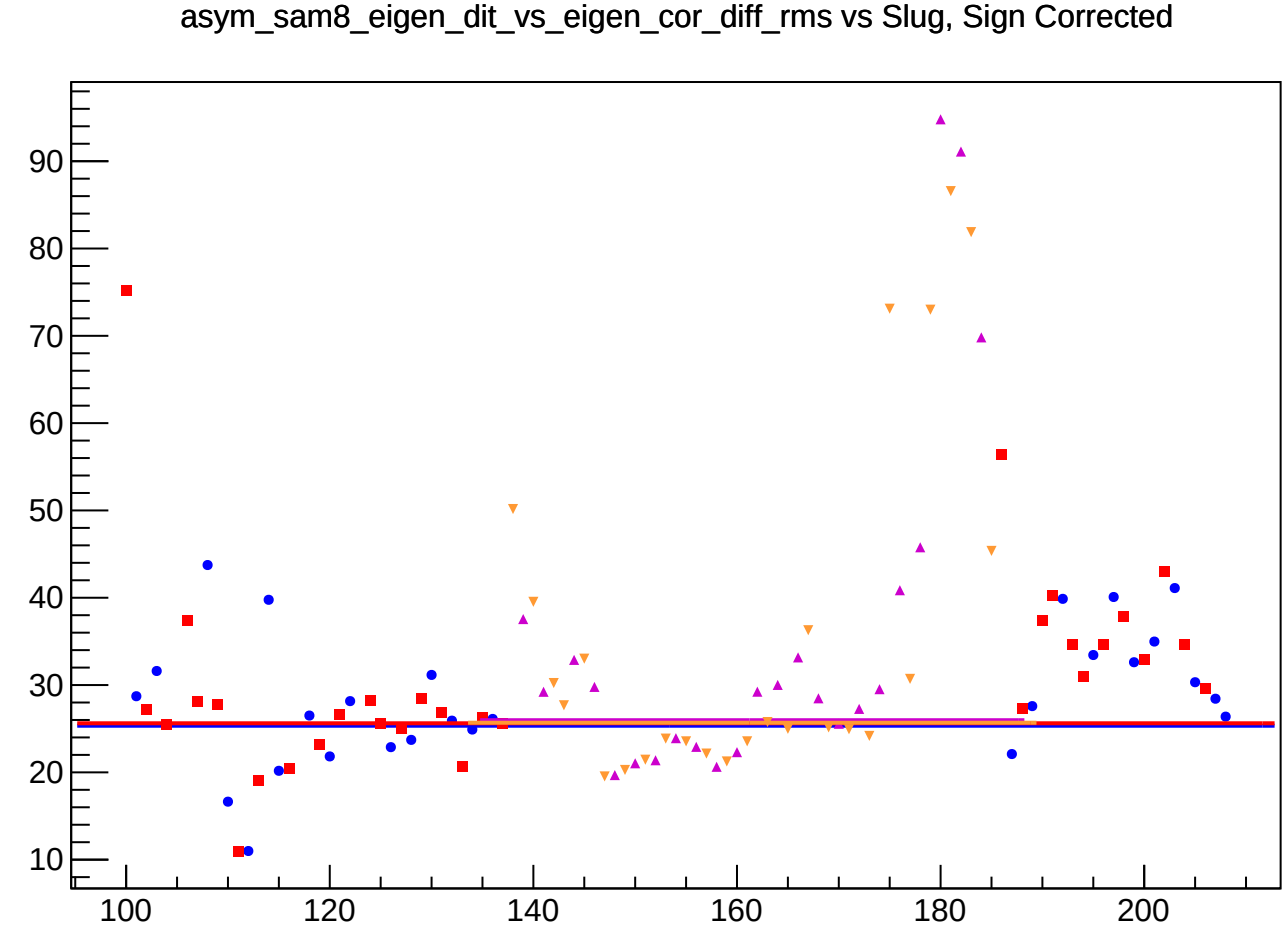
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.002+/-0.005 χ^2/NDF: 74.0/57

In: 0.005+/-0.005 χ^2/NDF:63.9/49

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.9/105



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

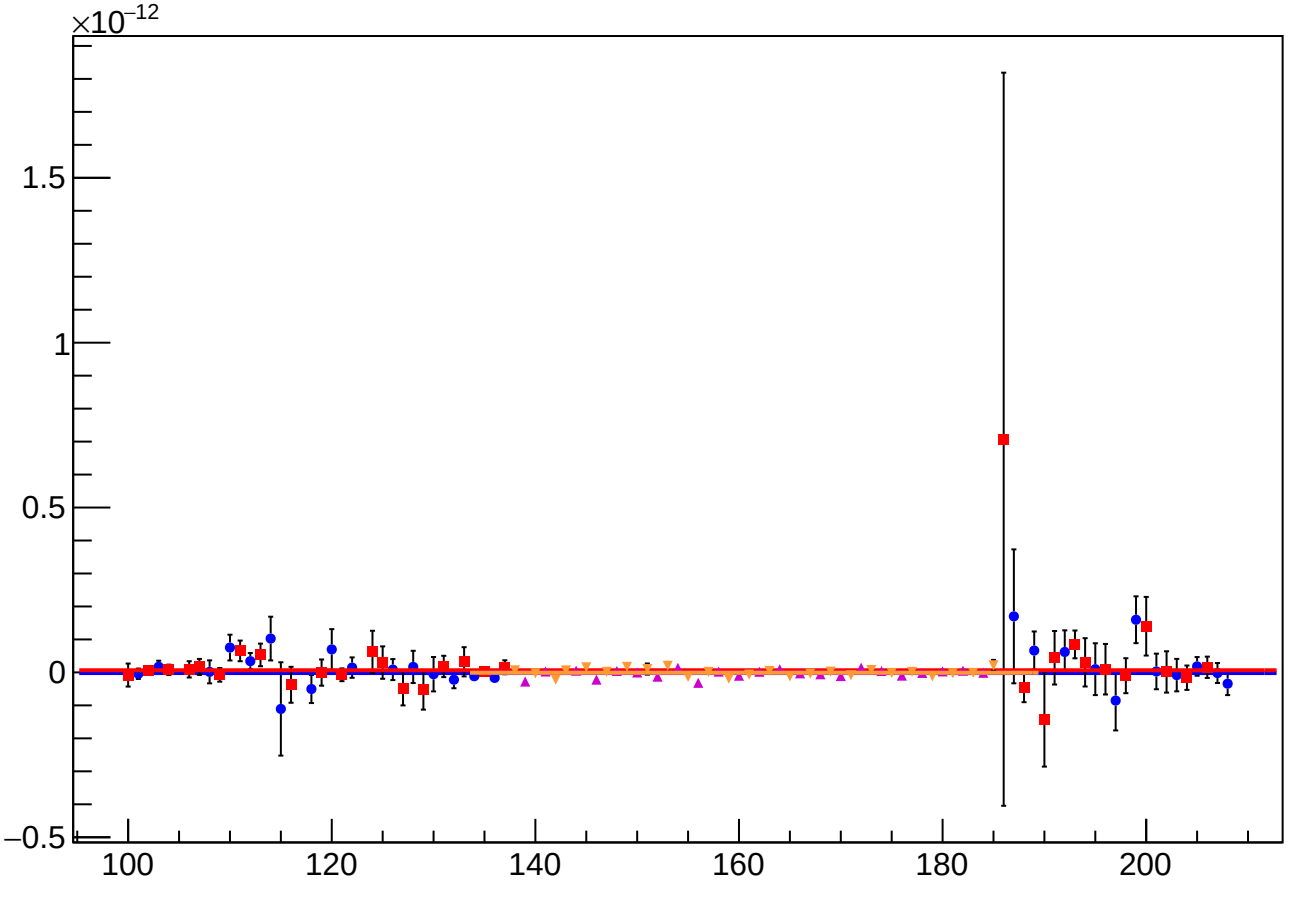
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.482+/-0.003 χ^2/NDF: 6148526.9/57

In: 25.668+/-0.003 χ^2/NDF:6178996.4/49

Out: 25.655+/-0.003 χ^2/NDF:6966533.3/55

All: 25.661+/-0.002 χ^2/NDF: 13145536.7/105



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/30

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

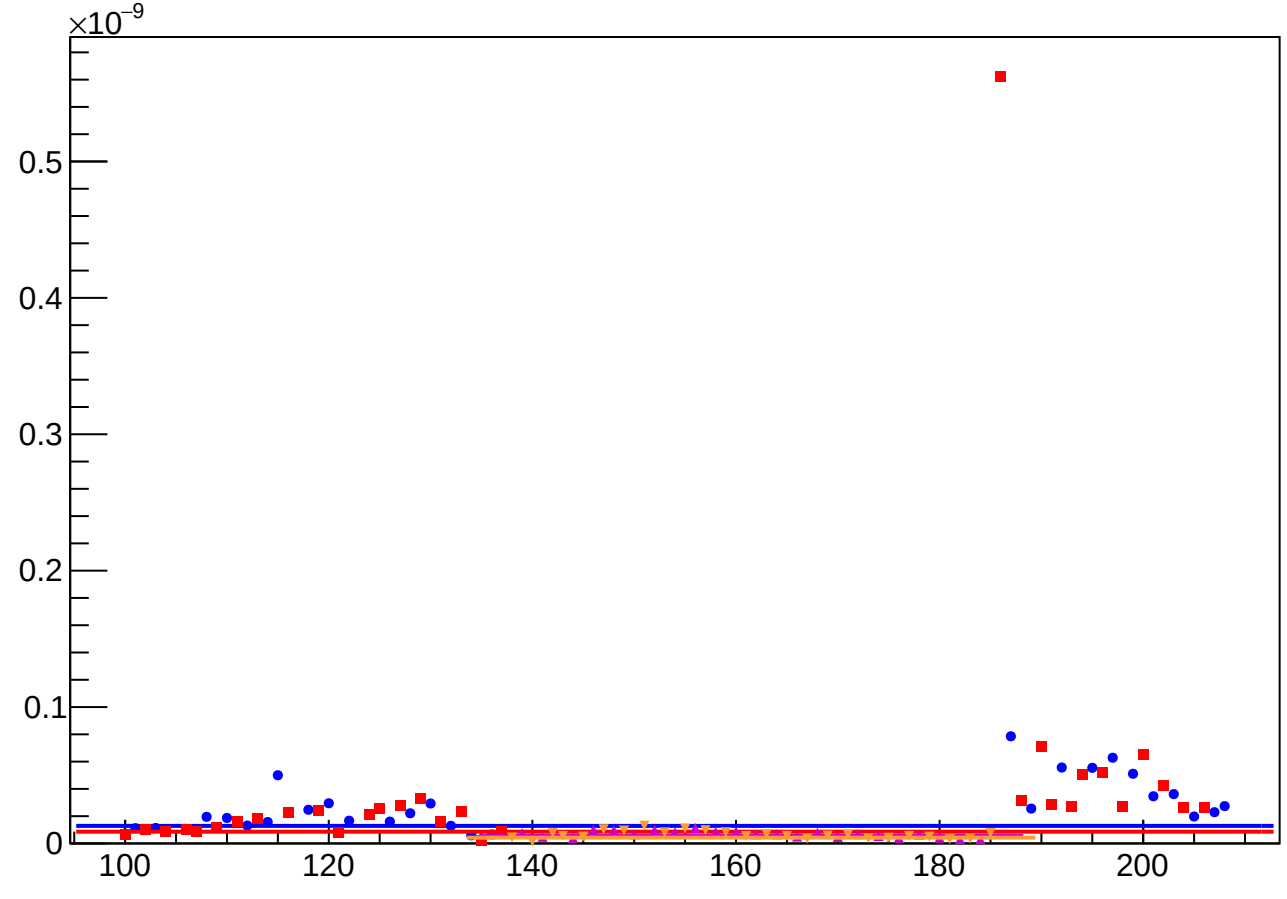
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.2/57

In: -0.000+/-0.000 χ^2/NDF:57.5/49

Out: -0.000+/-0.000 χ^2/NDF:52.4/55

All: -0.000+/-0.000 χ^2/NDF: 110.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 6776958.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10291988.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

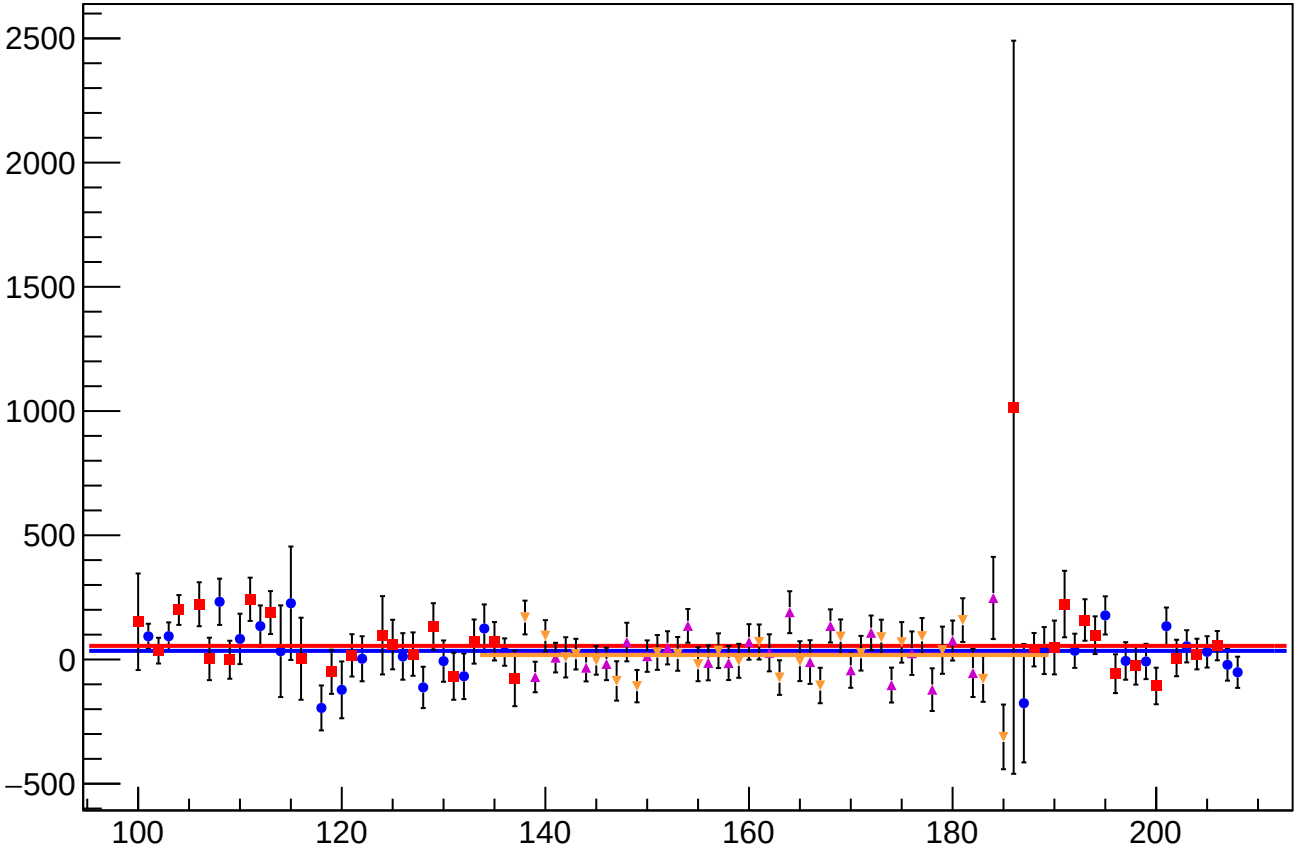
Right: 0.000+/-0.000 χ^2/NDF: 17895361.9/57

In: 0.000+/-0.000 χ^2/NDF:13374242.0/49

Out: 0.000+/-0.000 χ^2/NDF:17658625.3/55

All: 0.000+/-0.000 χ^2/NDF: 32053423.2/105

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 34.694+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.779+/-14.938 χ^2/NDF: 36.0/30

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

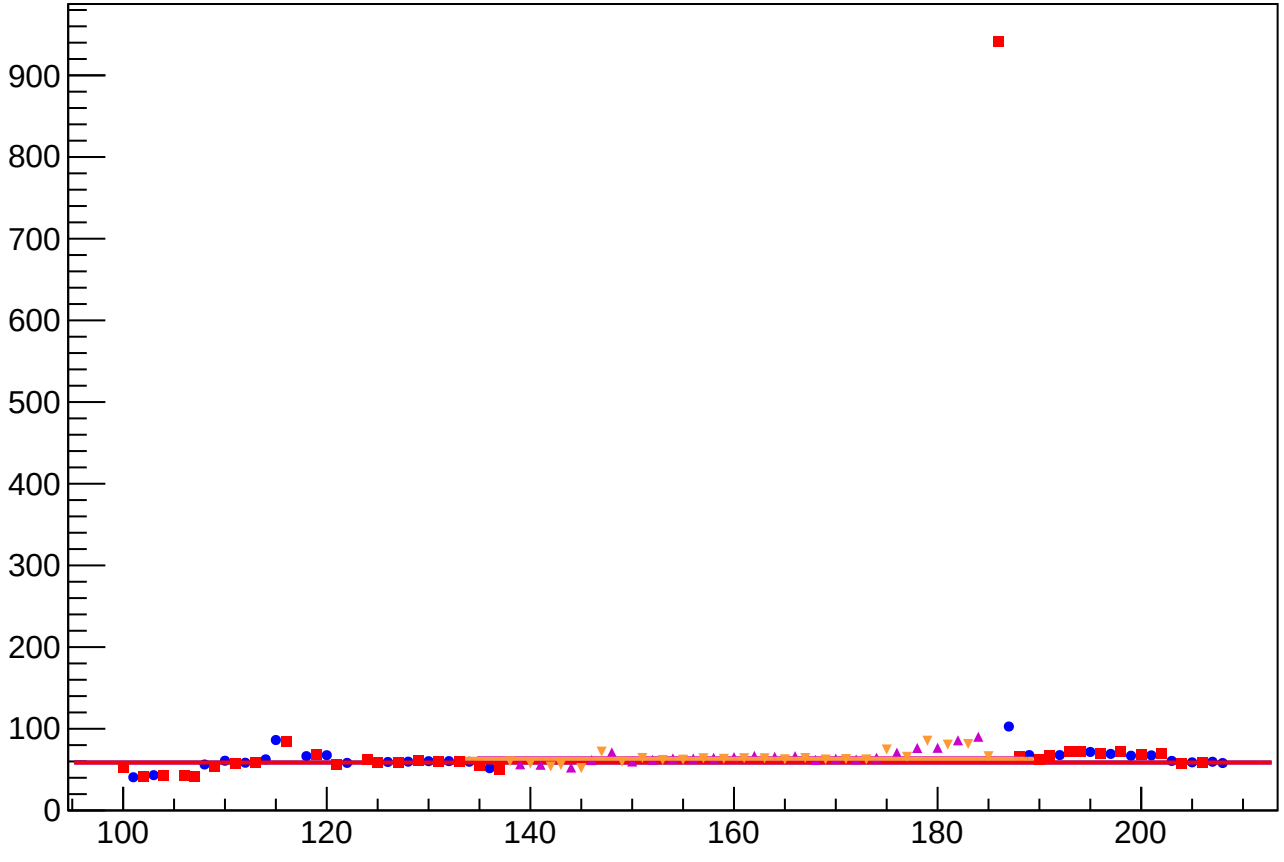
Right: 44.773+/-10.582 χ^2/NDF: 69.6/57

In: 27.192+/-10.618 χ^2/NDF:59.4/49

Out: 35.734+/-10.403 χ^2/NDF:70.7/55

All: 31.550+/-7.431 χ^2/NDF: 130.5/105

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.704+/-0.011 χ^2/NDF: 777049.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.703+/-0.011 χ^2/NDF: 1647781.2/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

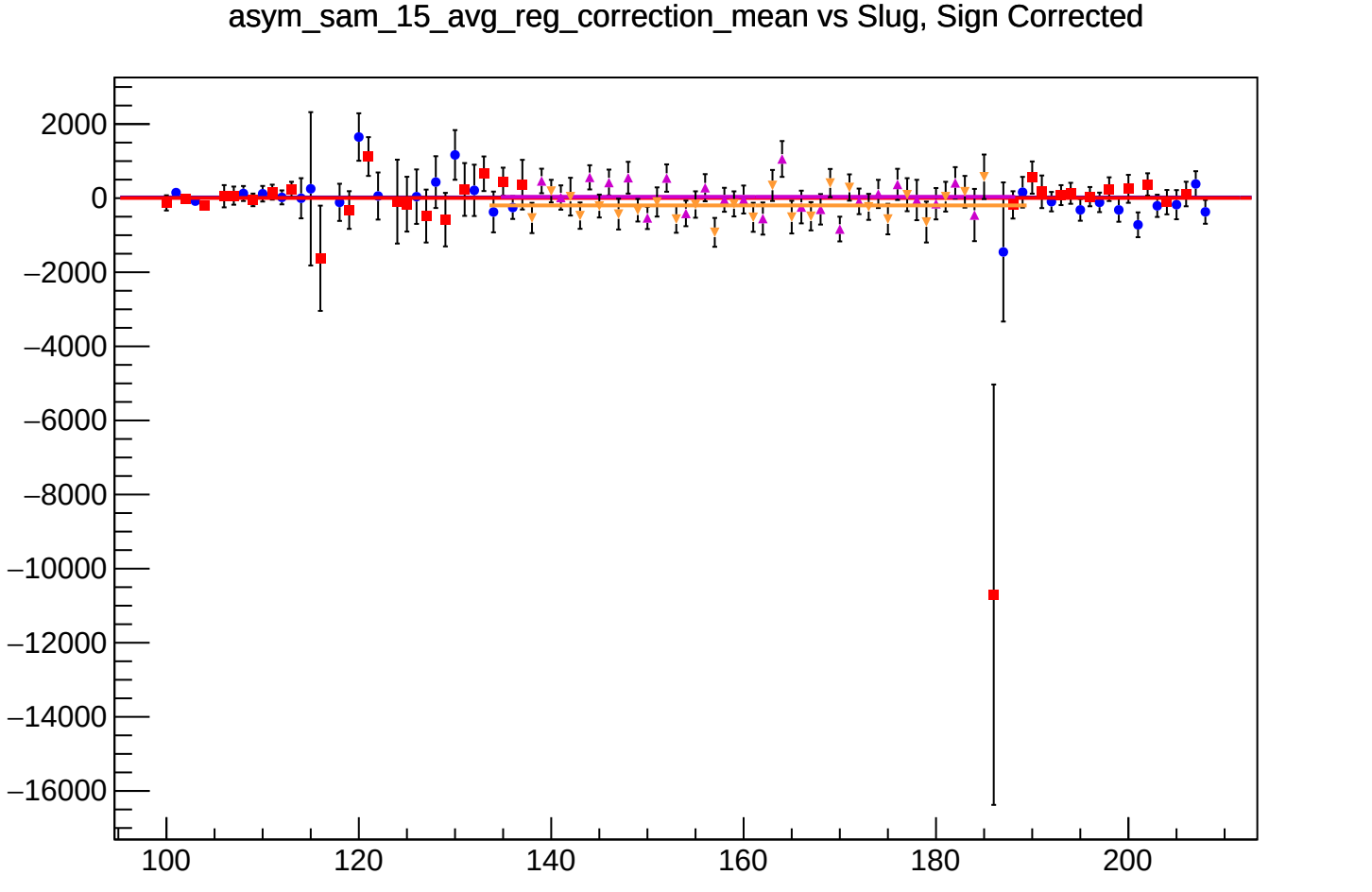
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.703+/-0.007 χ^2/NDF: 2424830.4/57

In: 61.303+/-0.008 χ^2/NDF:1342941.7/49

Out: 61.077+/-0.007 χ^2/NDF:2243309.9/55

All: 61.187+/-0.005 χ^2/NDF: 3586713.4/105



Right In: 19.533+/-42.111 χ^2/NDF: 28.6/26

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.530+/-44.696 χ^2/NDF: 27.0/30

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

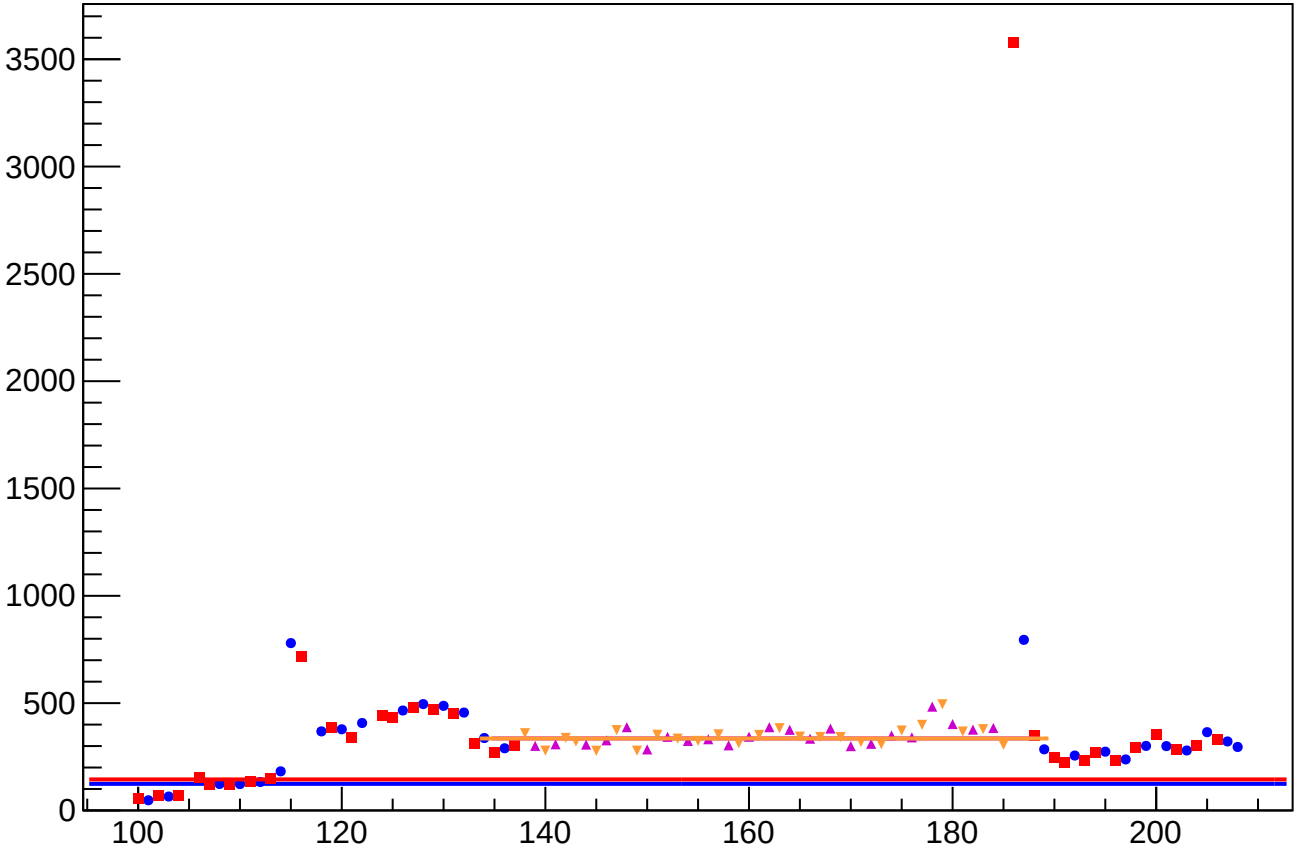
Right: 12.949+/-30.650 χ^2/NDF: 55.6/57

In: 23.253+/-37.183 χ^2/NDF:59.7/49

Out: -45.161+/-38.667 χ^2/NDF:52.7/55

All: -9.615+/-26.802 χ^2/NDF: 114.0/105

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 123.930+/-0.030 χ^2/NDF: 13434629.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 144.562+/-0.032 χ^2/NDF: 11336078.6/30

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

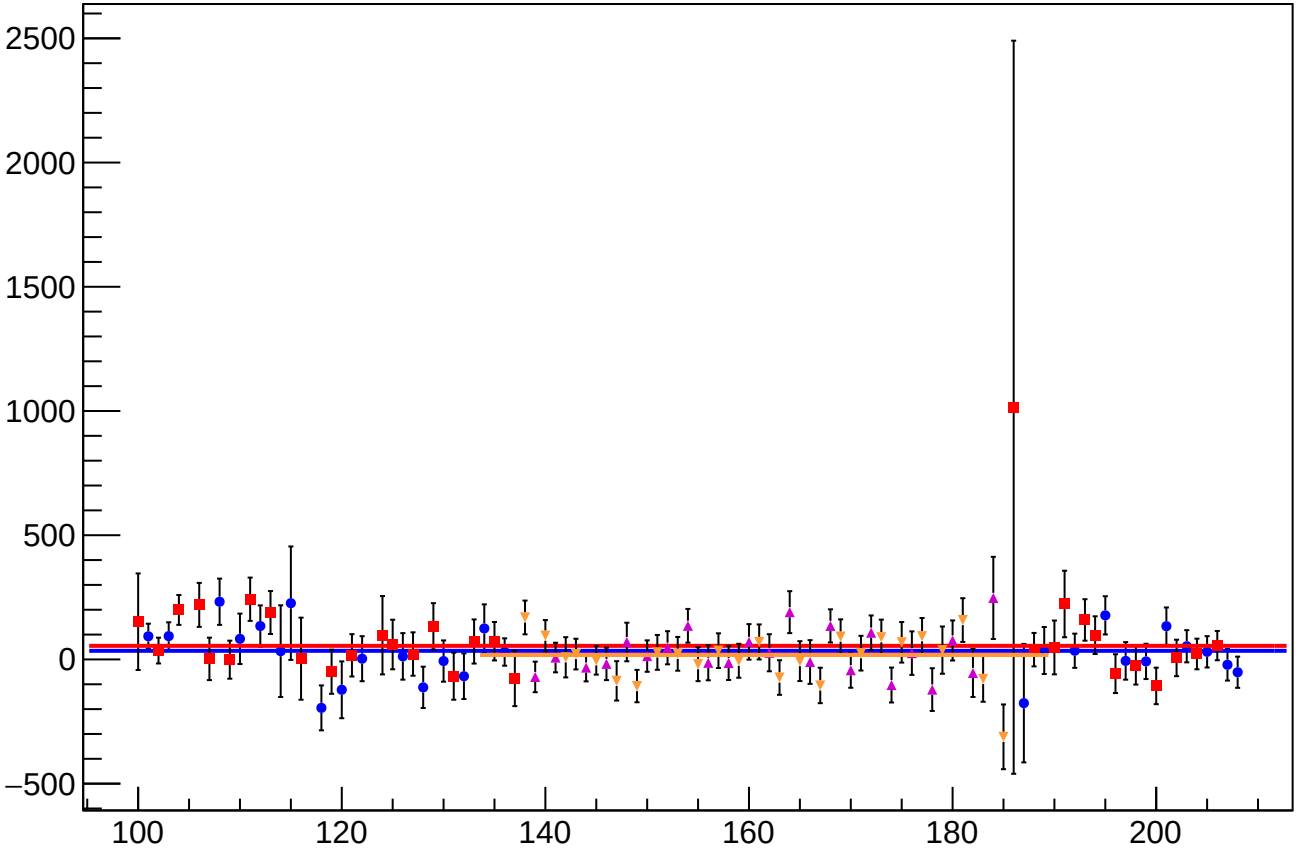
Right: 133.632+/-0.022 χ^2/NDF: 24996461.1/57

In: 170.556+/-0.026 χ^2/NDF:25056908.5/49

Out: 192.544+/-0.027 χ^2/NDF:21060663.1/55

All: 181.120+/-0.019 χ^2/NDF: 46453571.5/10

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.702+/-14.939 χ^2/NDF: 35.9/30

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

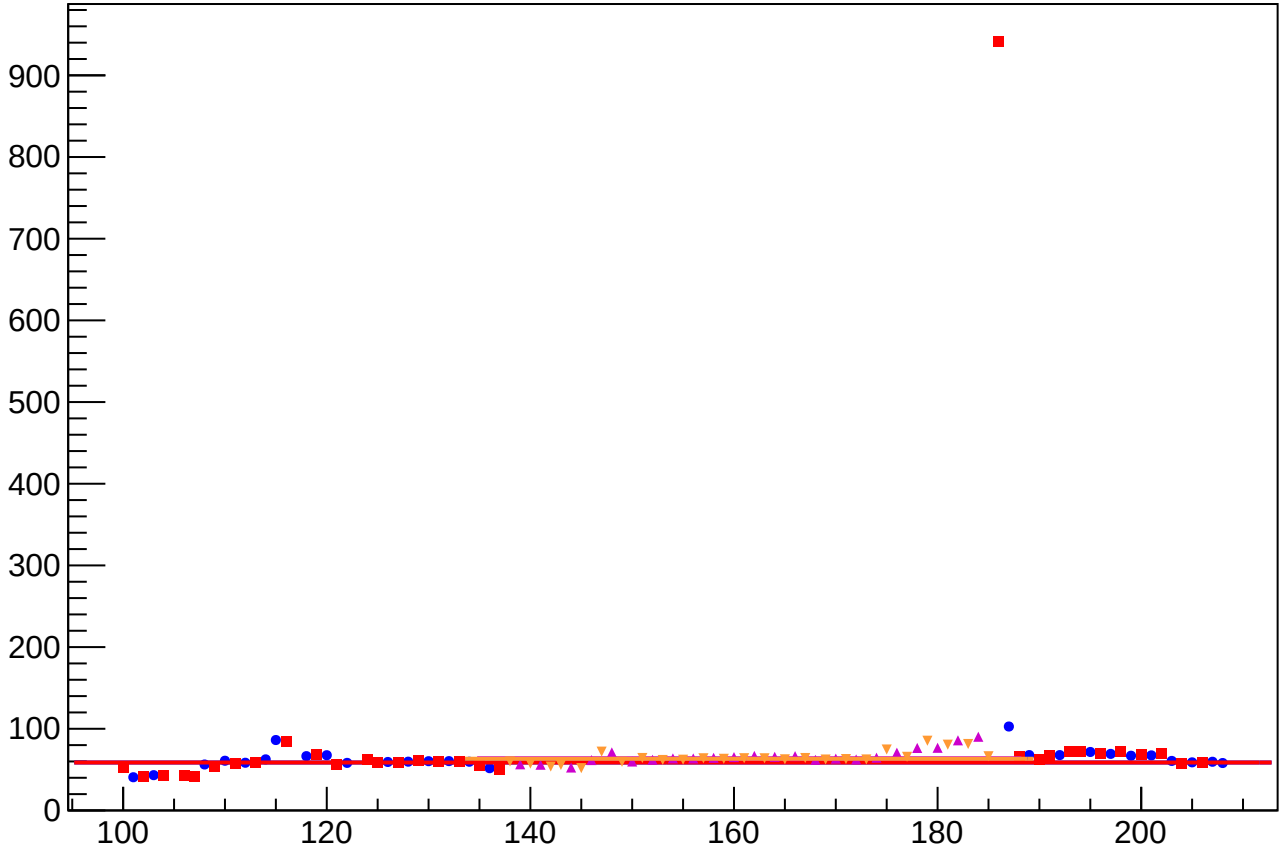
Right: 44.738+/-10.582 χ^2/NDF: 69.5/57

In: 27.195+/-10.618 χ^2/NDF:59.4/49

Out: 35.697+/-10.403 χ^2/NDF:70.6/55

All: 31.533+/-7.431 χ^2/NDF: 130.4/105

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

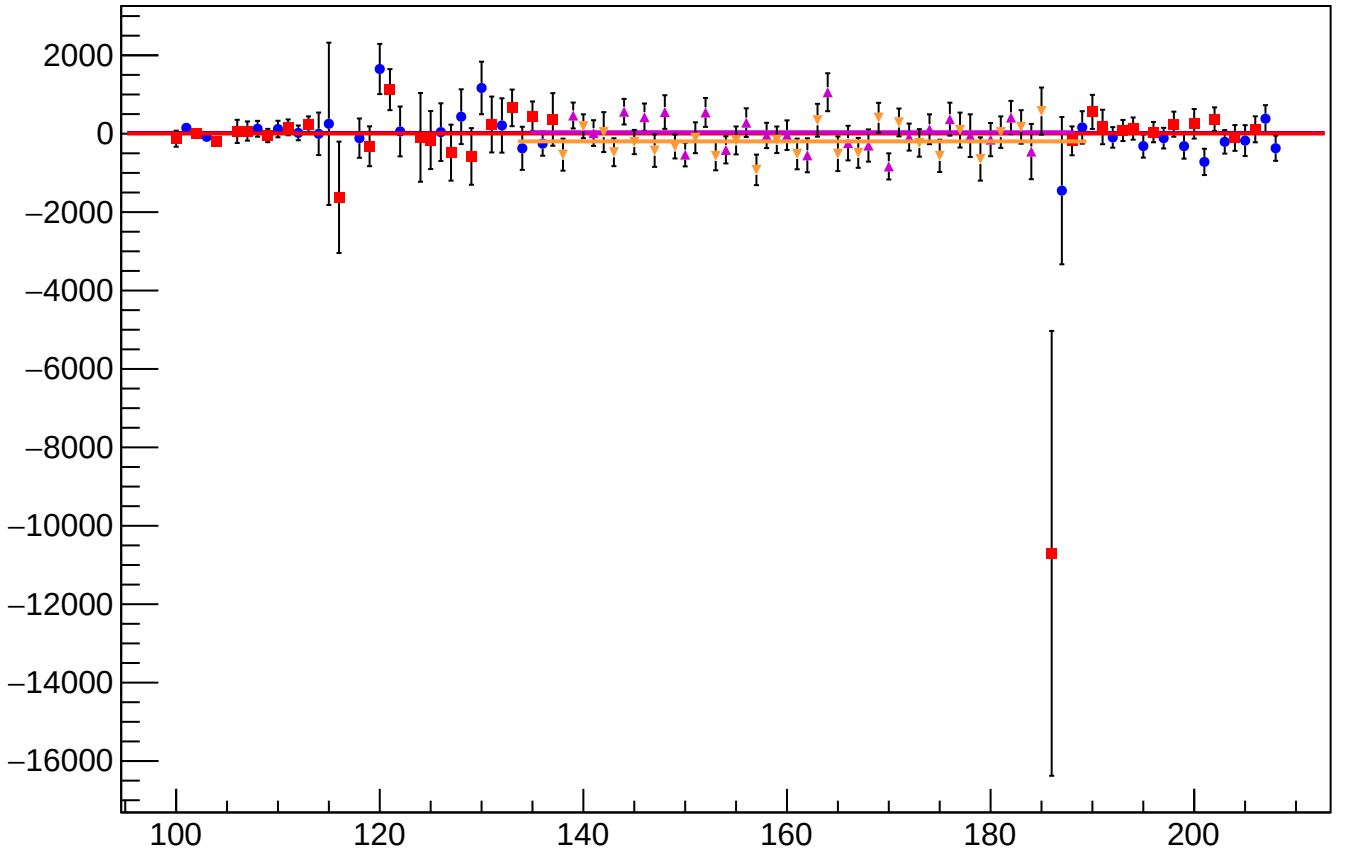
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.703+/-0.007 χ^2/NDF: 2425245.8/57

In: 61.303+/-0.008 χ^2/NDF:1342940.6/49

Out: 61.077+/-0.007 χ^2/NDF:2243756.8/55

All: 61.187+/-0.005 χ^2/NDF: 3587160.4/105



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.836+/-44.666 χ^2/NDF: 27.0/30

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

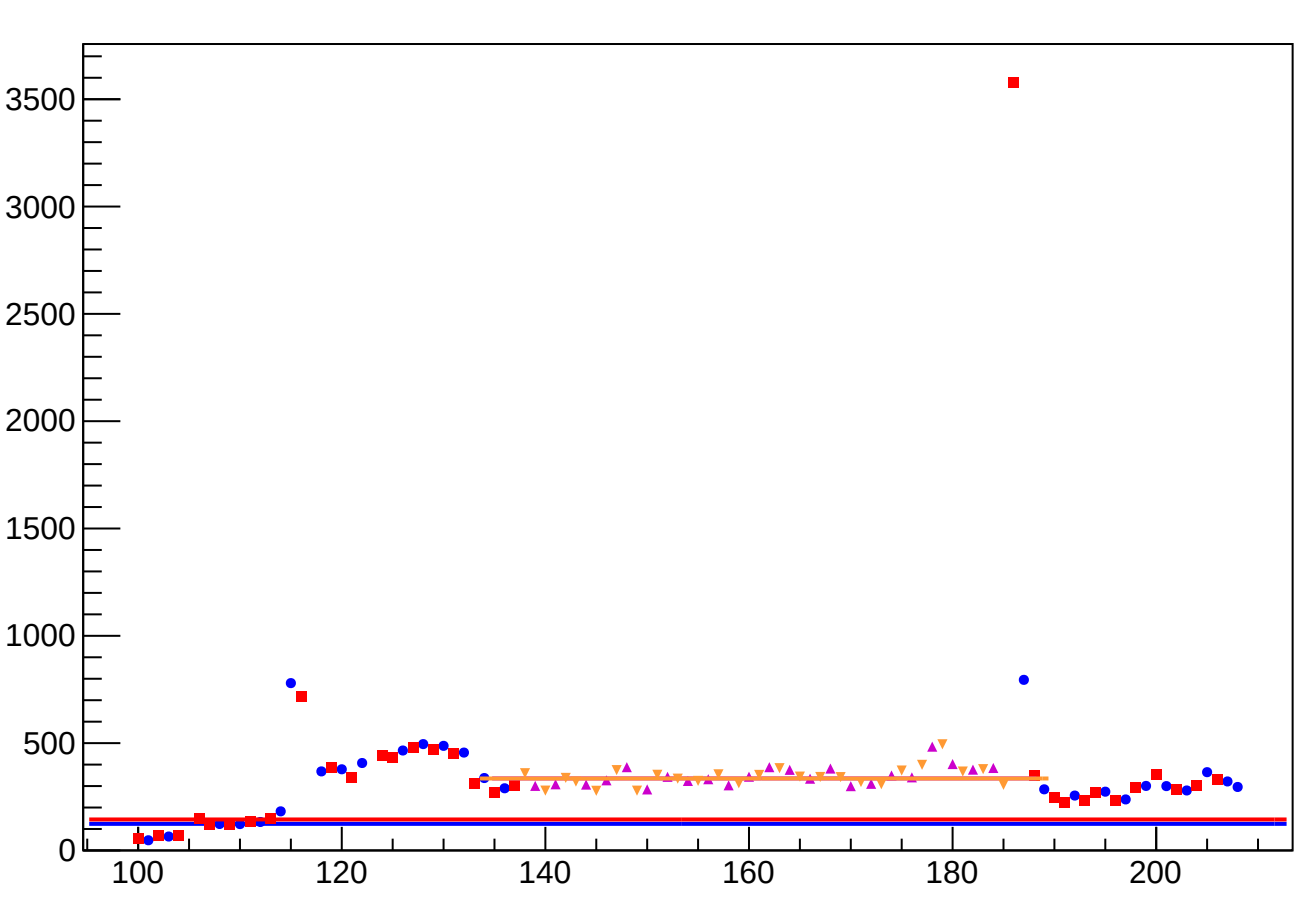
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 13.090+/-30.640 χ^2/NDF: 55.6/57

In: 23.256+/-37.182 χ^2/NDF:59.7/49

Out: -44.880+/-38.648 χ^2/NDF:52.7/55

All: -9.495+/-26.795 χ^2/NDF: 114.0/105



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

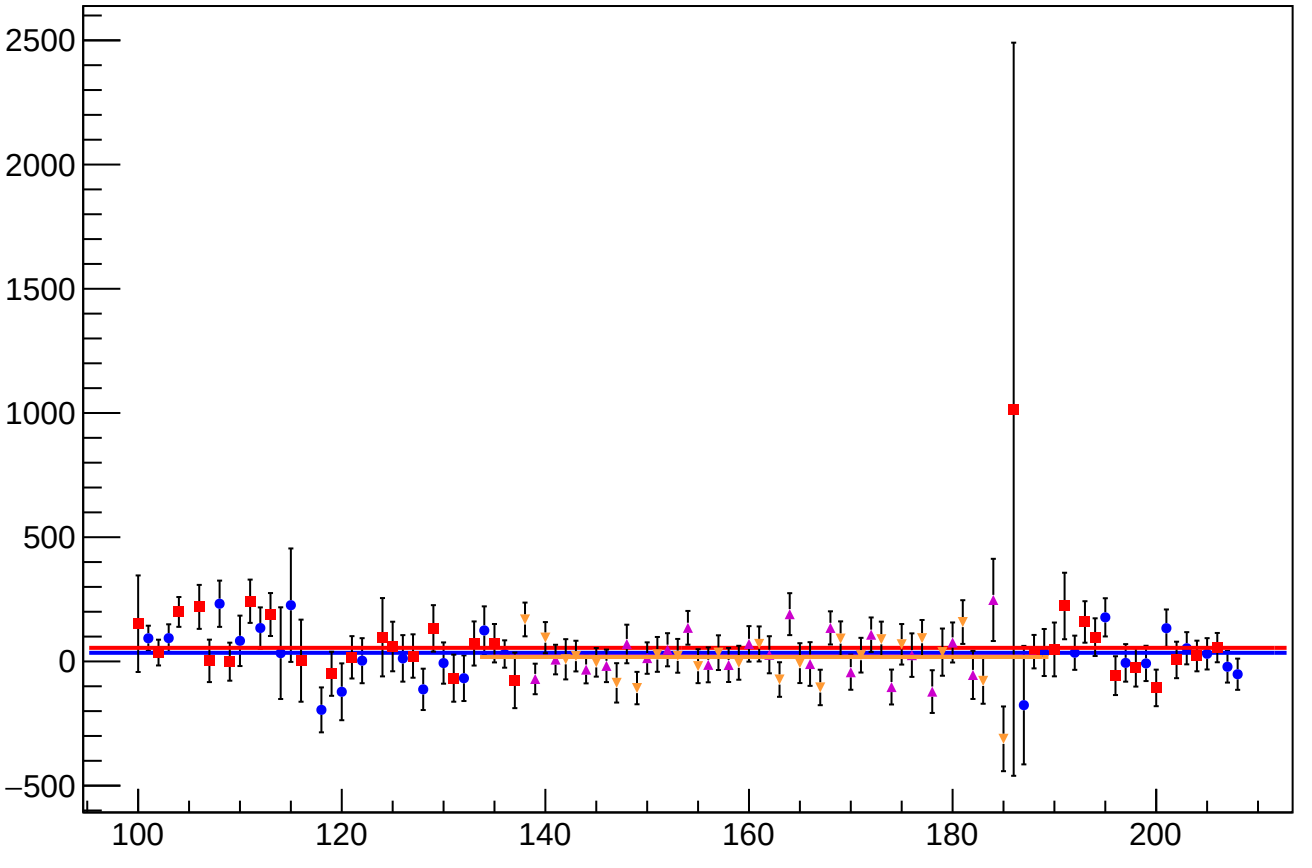
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 133.548+/-0.022 χ^2/NDF: 24996861.9/57

In: 170.552+/-0.026 χ^2/NDF:25057647.4/49

Out: 192.354+/-0.027 χ^2/NDF:21086003.9/55

All: 181.032+/-0.019 χ^2/NDF: 46474156.8/10



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.702+/-14.939 χ^2/NDF: 35.9/30

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

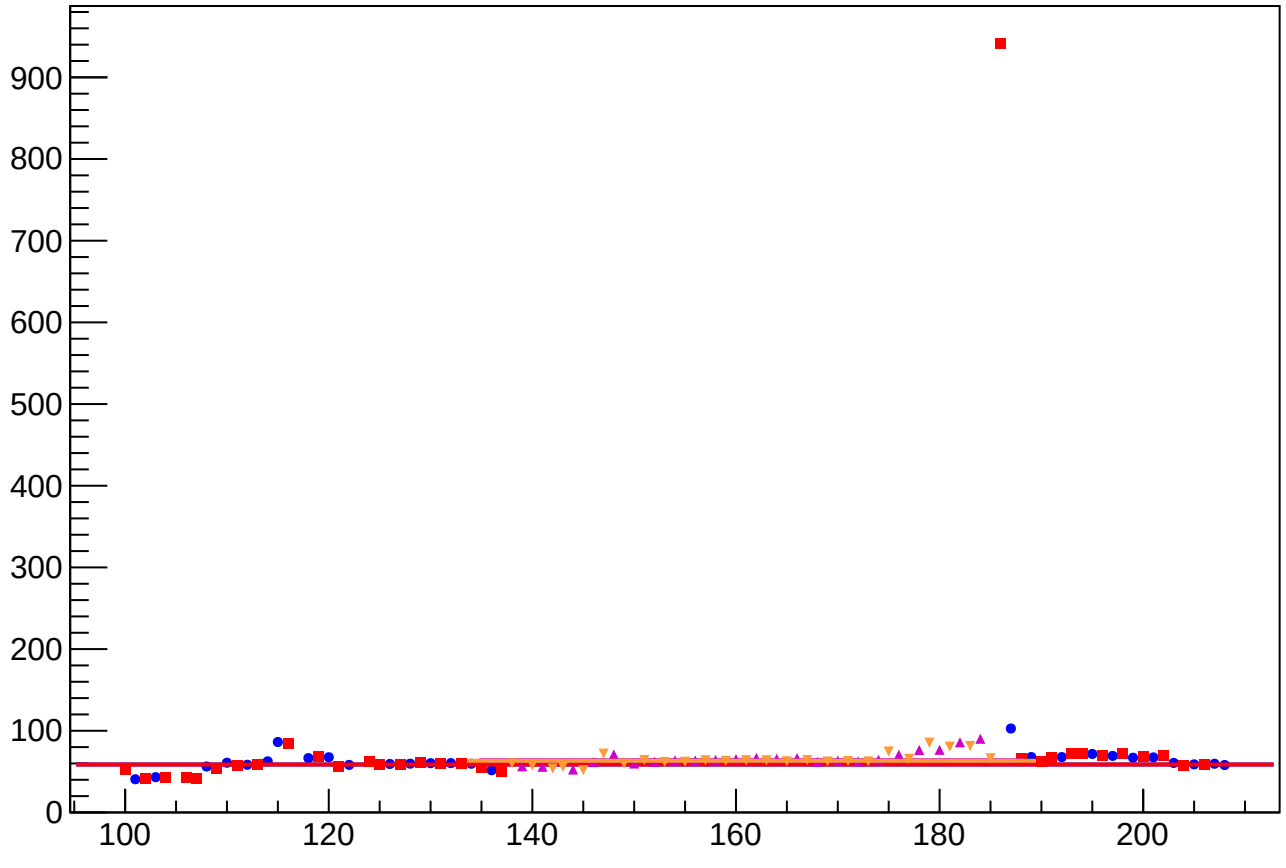
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 44.738+/-10.582 χ^2/NDF: 69.5/57

In: 27.195+/-10.618 χ^2/NDF:59.4/49

Out: 35.697+/-10.403 χ^2/NDF:70.6/55

All: 31.533+/-7.431 χ^2/NDF: 130.4/105



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

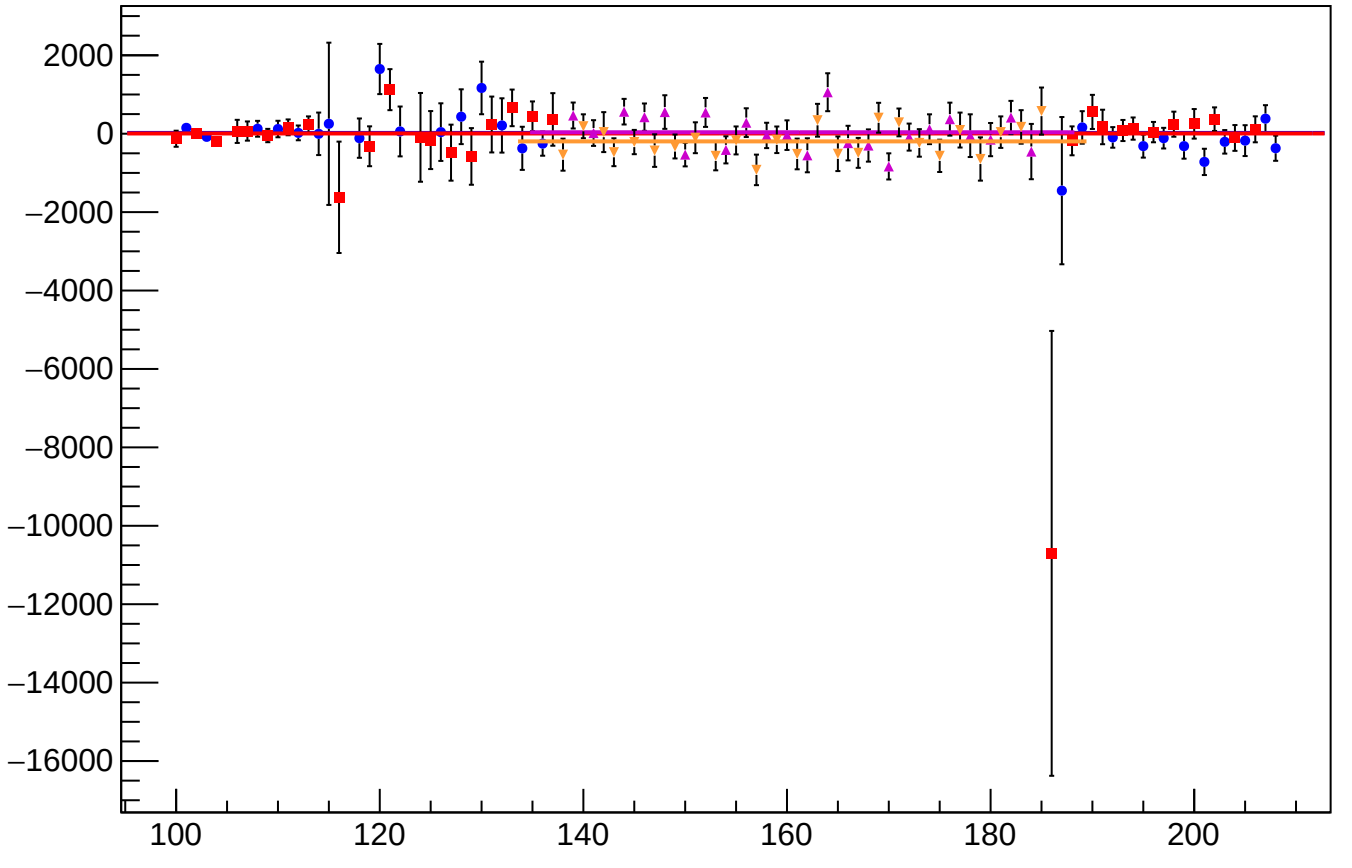
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.703+/-0.007 χ^2/NDF: 2425245.8/57

In: 61.303+/-0.008 χ^2/NDF:1342940.6/49

Out: 61.077+/-0.007 χ^2/NDF:2243756.8/55

All: 61.187+/-0.005 χ^2/NDF: 3587160.4/105



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.836+/-44.666 χ^2/NDF: 27.0/30

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

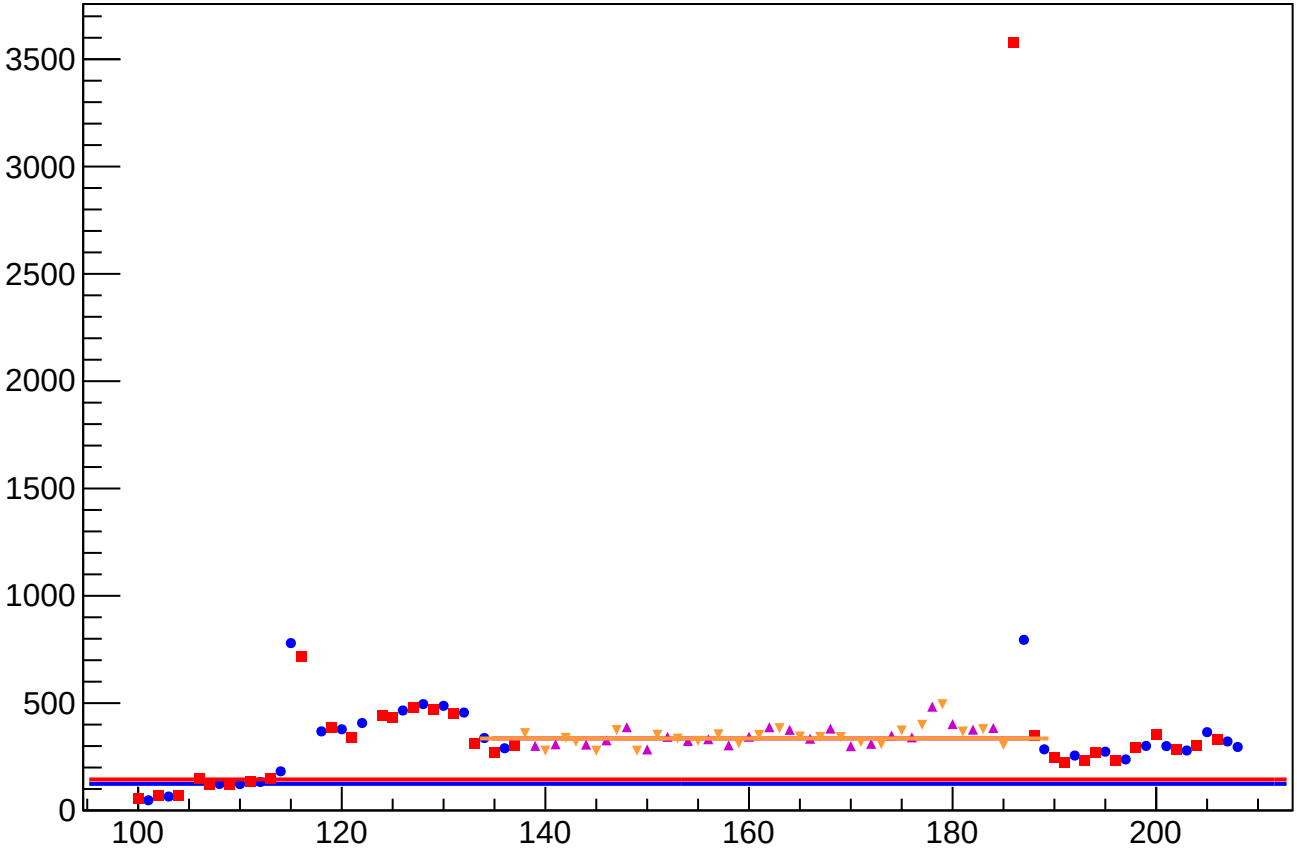
Right: 13.090+/-30.640 χ^2/NDF: 55.6/57

In: 23.256+/-37.182 χ^2/NDF:59.7/49

Out: -44.880+/-38.648 χ^2/NDF:52.7/55

All: -9.495+/-26.795 χ^2/NDF: 114.0/105

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

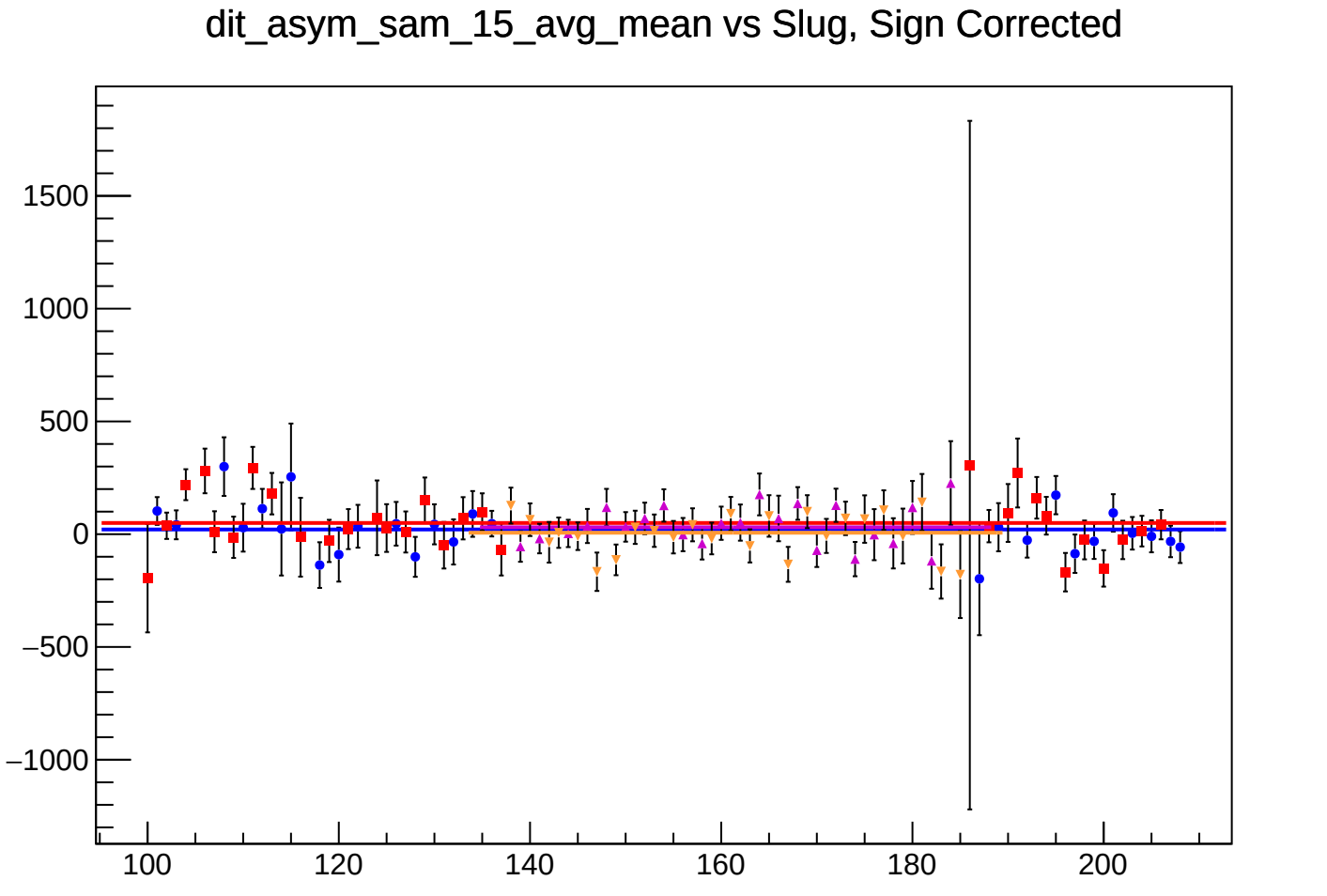
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 133.548+/-0.022 χ^2/NDF: 24996861.9/57

In: 170.552+/-0.026 χ^2/NDF:25057647.4/49

Out: 192.354+/-0.027 χ^2/NDF:21086003.9/55

All: 181.032+/-0.019 χ^2/NDF: 46474156.8/10



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 49.711+/-16.388 χ^2/NDF: 45.2/30

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

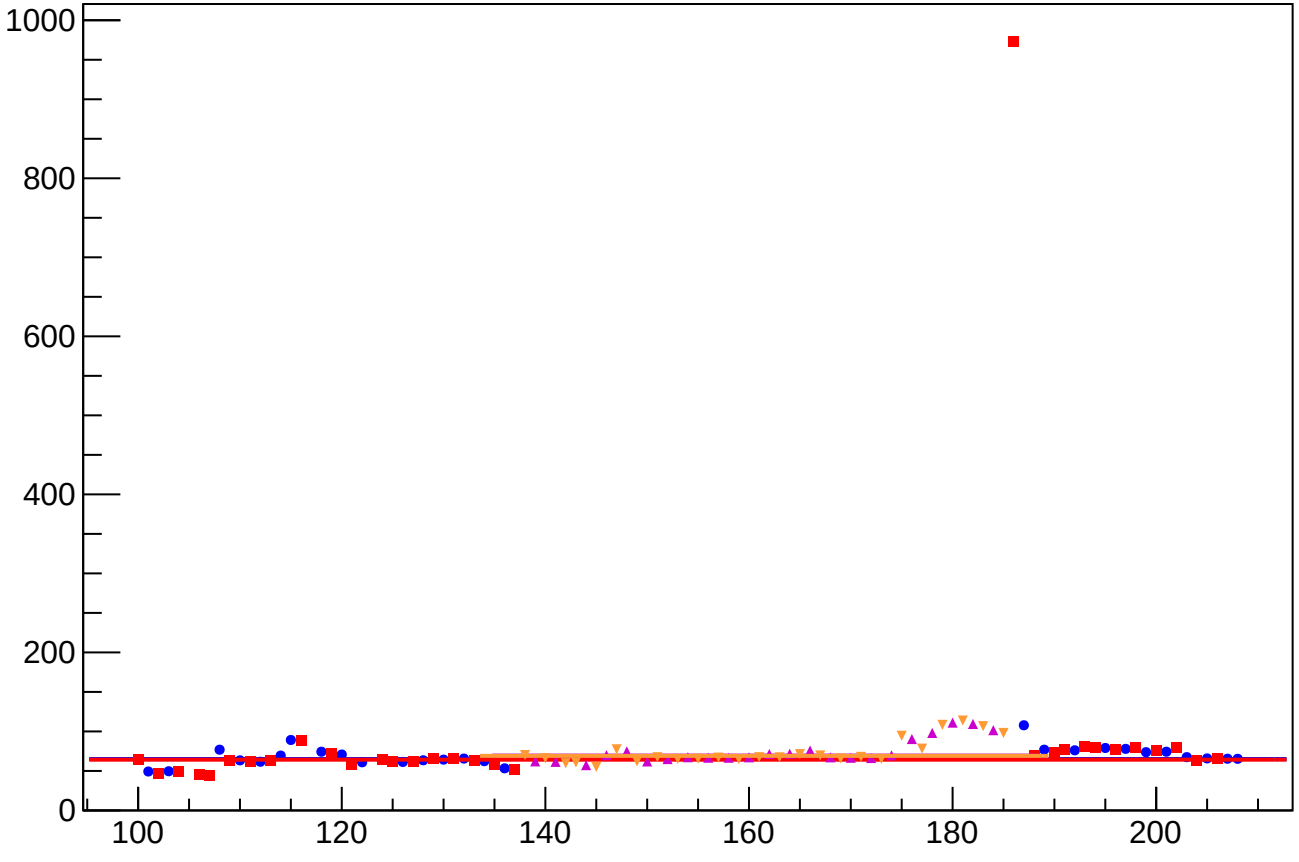
Right: 35.455+/-11.664 χ^2/NDF: 70.8/57

In: 25.771+/-11.706 χ^2/NDF:46.7/49

Out: 27.541+/-11.440 χ^2/NDF:73.8/55

All: 26.676+/-8.182 χ^2/NDF: 120.6/105

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.026+/-0.012 χ^2/NDF: 681354.9/26

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.9/30

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

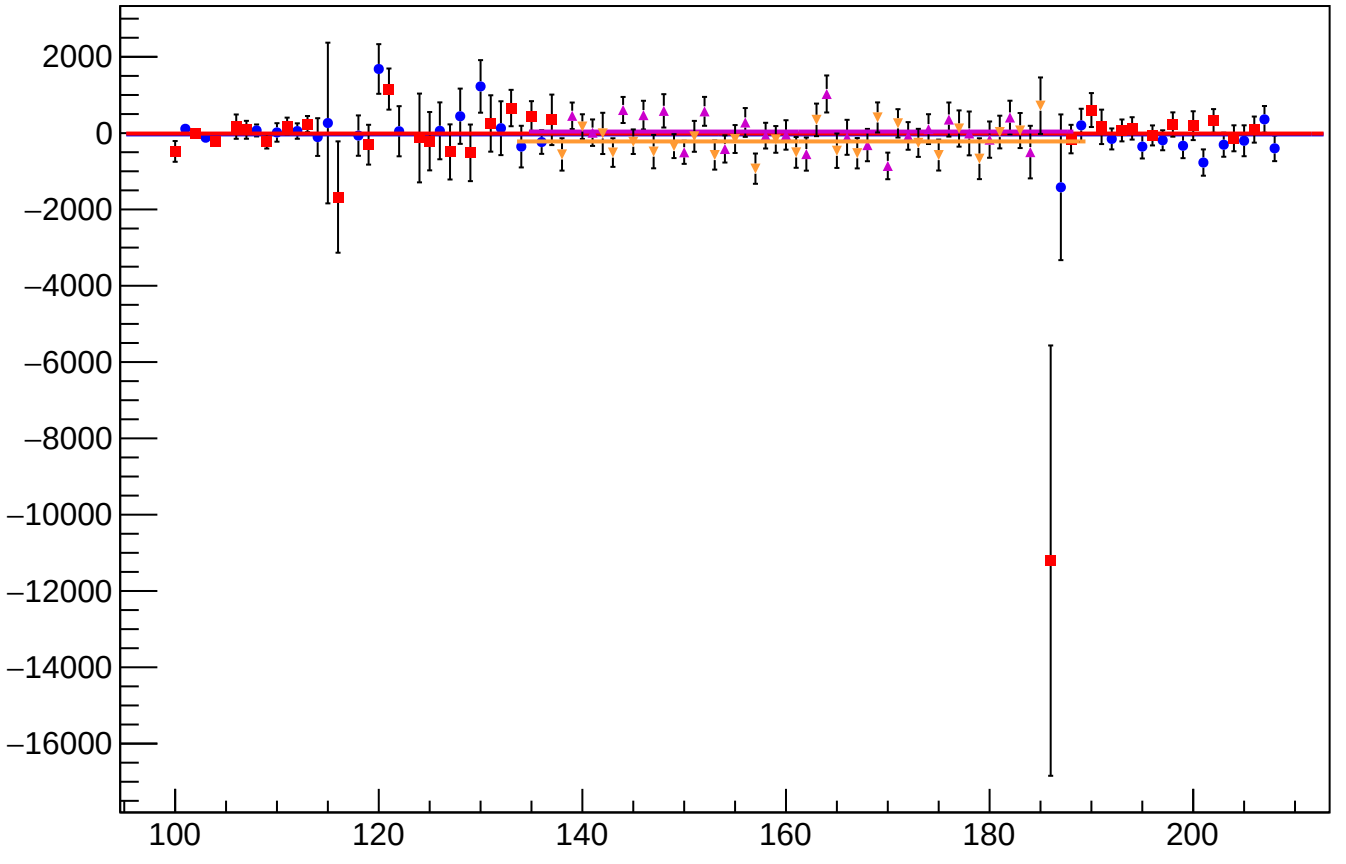
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.646+/-0.008 χ^2/NDF: 2317333.3/57

In: 67.245+/-0.008 χ^2/NDF:1676940.2/49

Out: 66.738+/-0.008 χ^2/NDF:2795967.0/55

All: 66.986+/-0.006 χ^2/NDF: 4474822.5/105



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.882+/-46.982 χ^2/NDF: 30.6/30

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

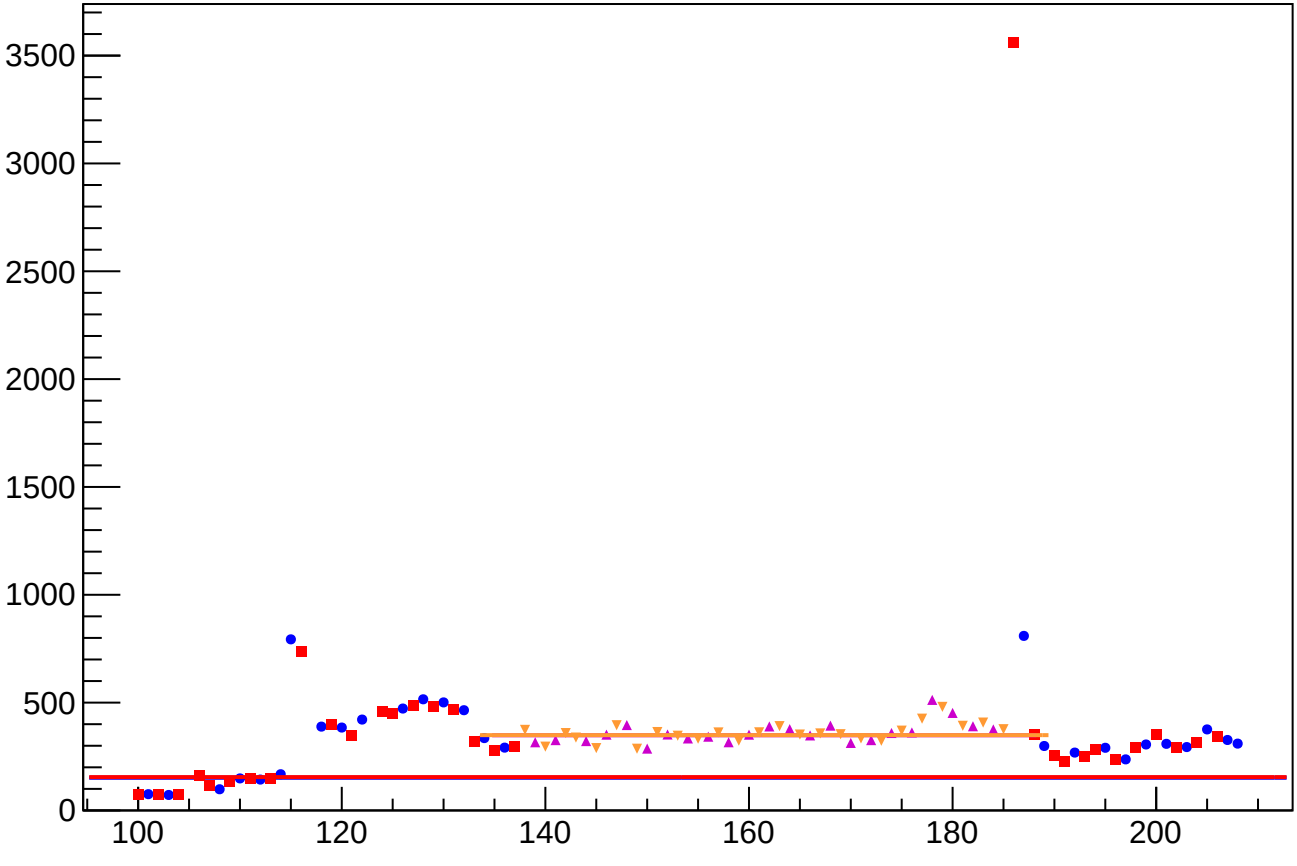
Right: -22.126+/-33.407 χ^2/NDF: 57.5/57

In: -14.828+/-41.141 χ^2/NDF:57.4/49

Out: -63.698+/-40.529 χ^2/NDF:54.8/55

All: -39.629+/-28.873 χ^2/NDF: 113.0/105

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 151.675+/-0.034 χ^2/NDF: 10923880.5/26

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751373.4/30

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

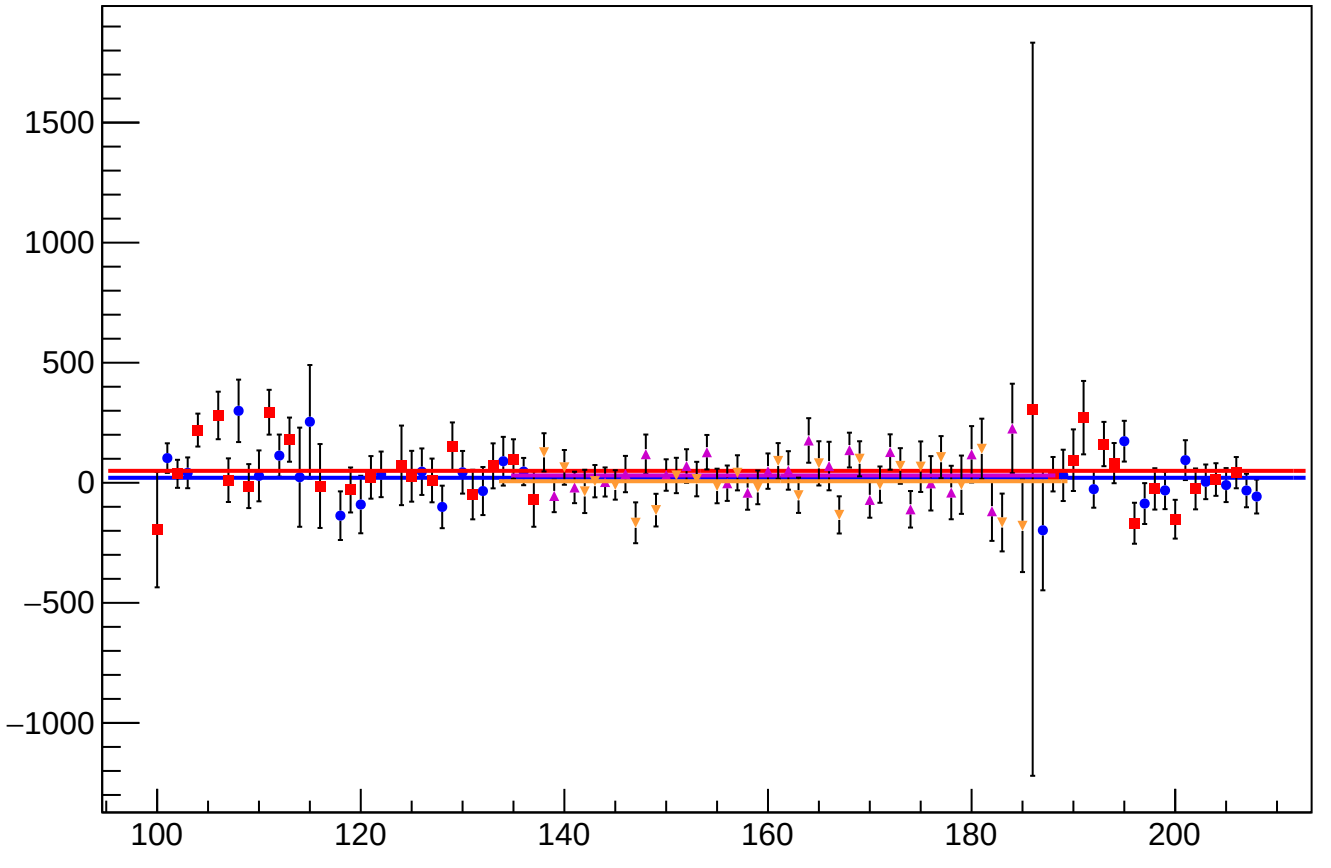
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 153.145+/-0.024 χ^2/NDF: 21679039.1/57

In: 200.928+/-0.029 χ^2/NDF:20041414.9/49

Out: 204.361+/-0.029 χ^2/NDF:20052541.7/55

All: 202.670+/-0.020 χ^2/NDF: 40101022.9/10



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 49.711+/-16.388 χ^2/NDF: 45.2/30

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

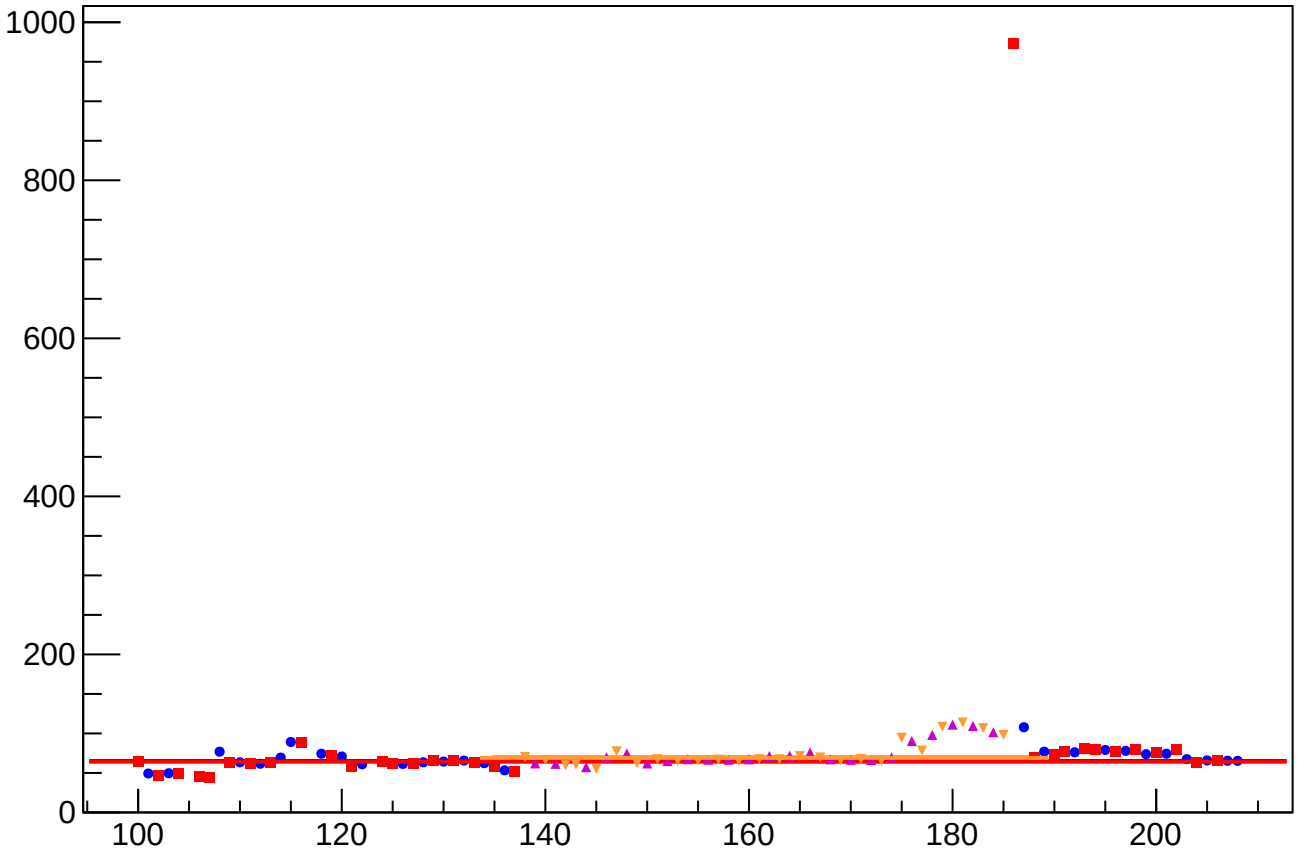
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 35.455+/-11.664 χ^2/NDF: 70.8/57

In: 25.771+/-11.706 χ^2/NDF:46.7/49

Out: 27.541+/-11.440 χ^2/NDF:73.8/55

All: 26.676+/-8.182 χ^2/NDF: 120.6/105



Right In: 65.026+/-0.012 χ^2/NDF: 681355.0/26

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.7/30

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

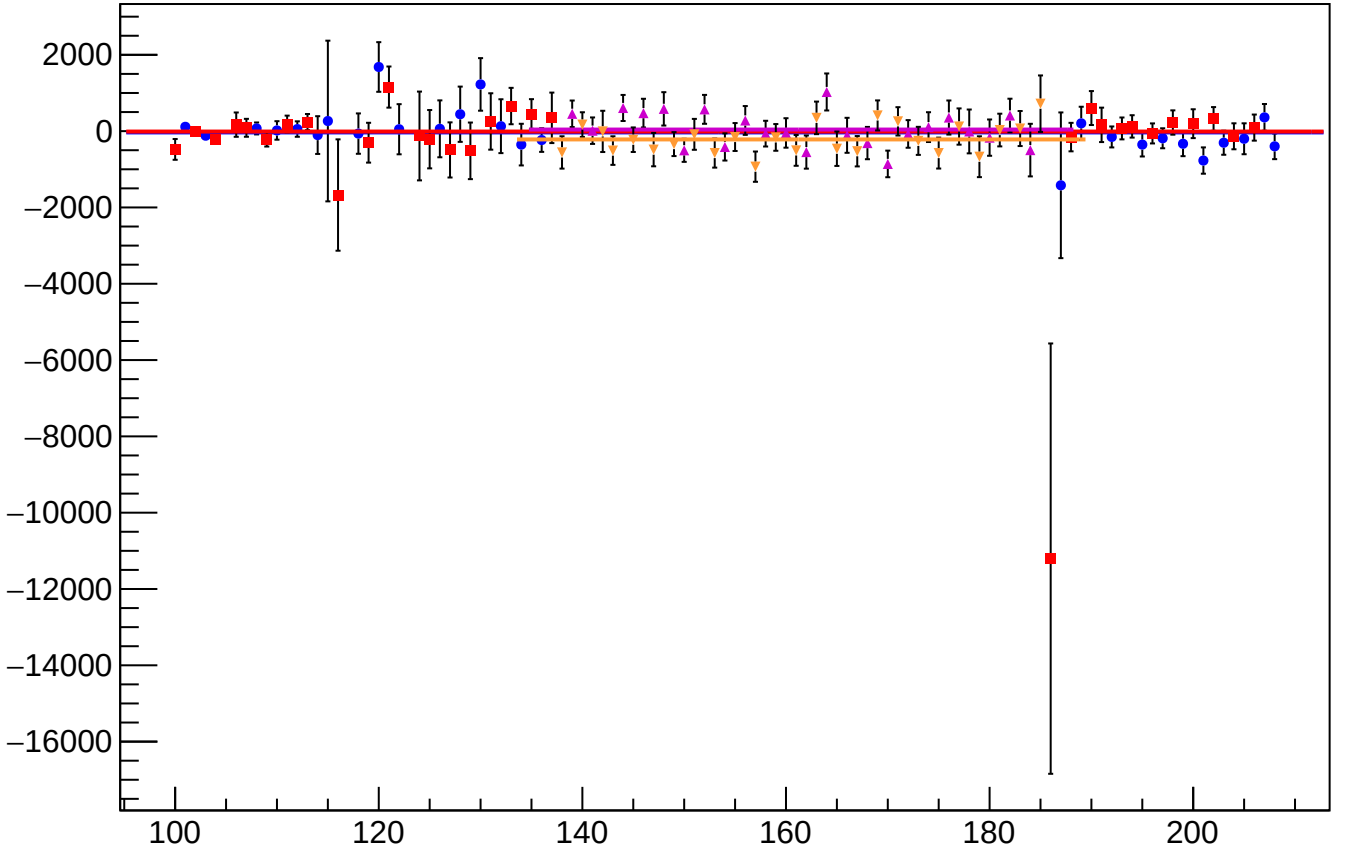
Right: 64.646+/-0.008 χ^2/NDF: 2317333.2/57

In: 67.245+/-0.008 χ^2/NDF:1676932.2/49

Out: 66.738+/-0.008 χ^2/NDF:2795954.9/55

All: 66.986+/-0.006 χ^2/NDF: 4474802.6/105

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.882+/-46.981 χ^2/NDF: 30.6/30

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

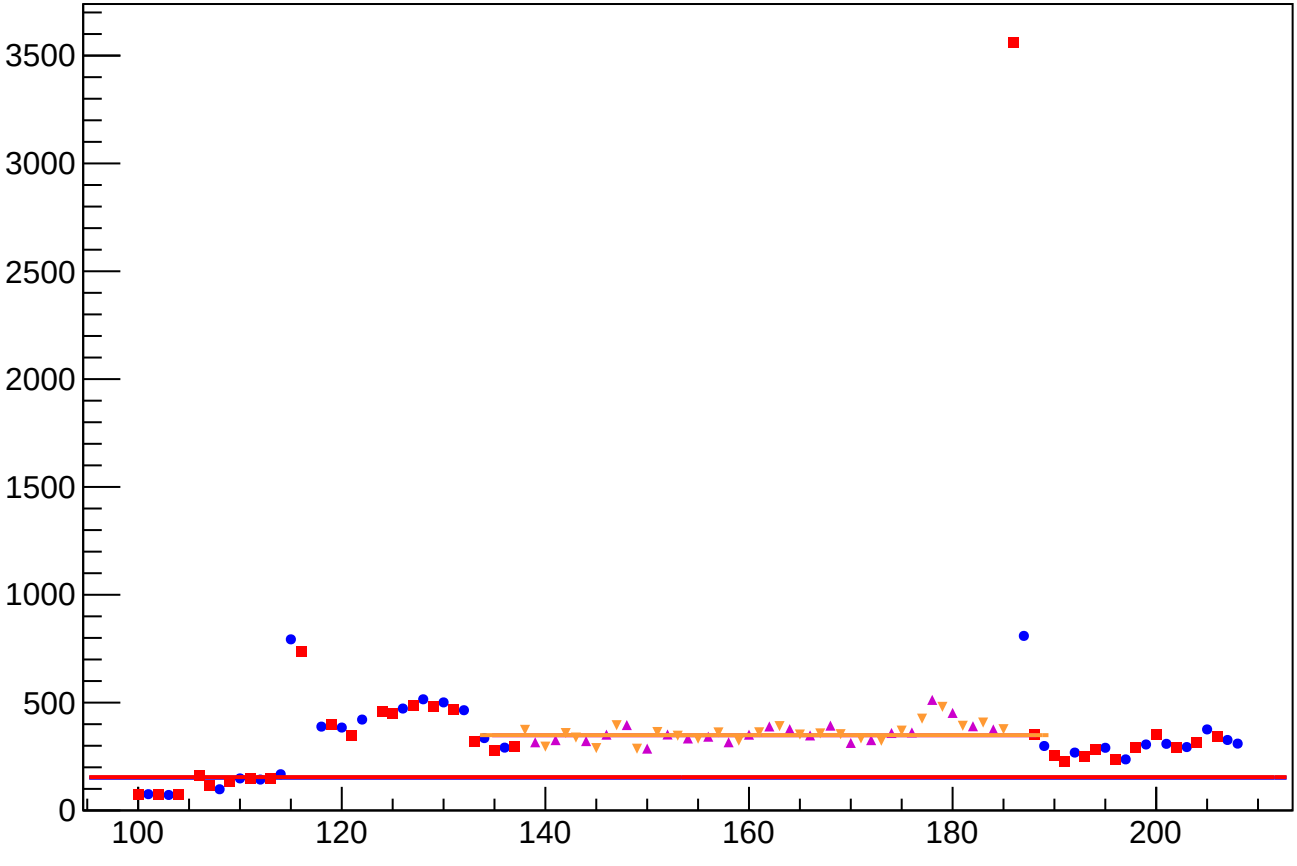
Right: -22.126+/-33.407 χ^2/NDF: 57.5/57

In: -14.828+/-41.141 χ^2/NDF:57.4/49

Out: -63.697+/-40.529 χ^2/NDF:54.8/55

All: -39.629+/-28.872 χ^2/NDF: 113.0/105

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 151.675+/-0.034 χ^2/NDF: 10923890.2/26

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751417.3/30

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

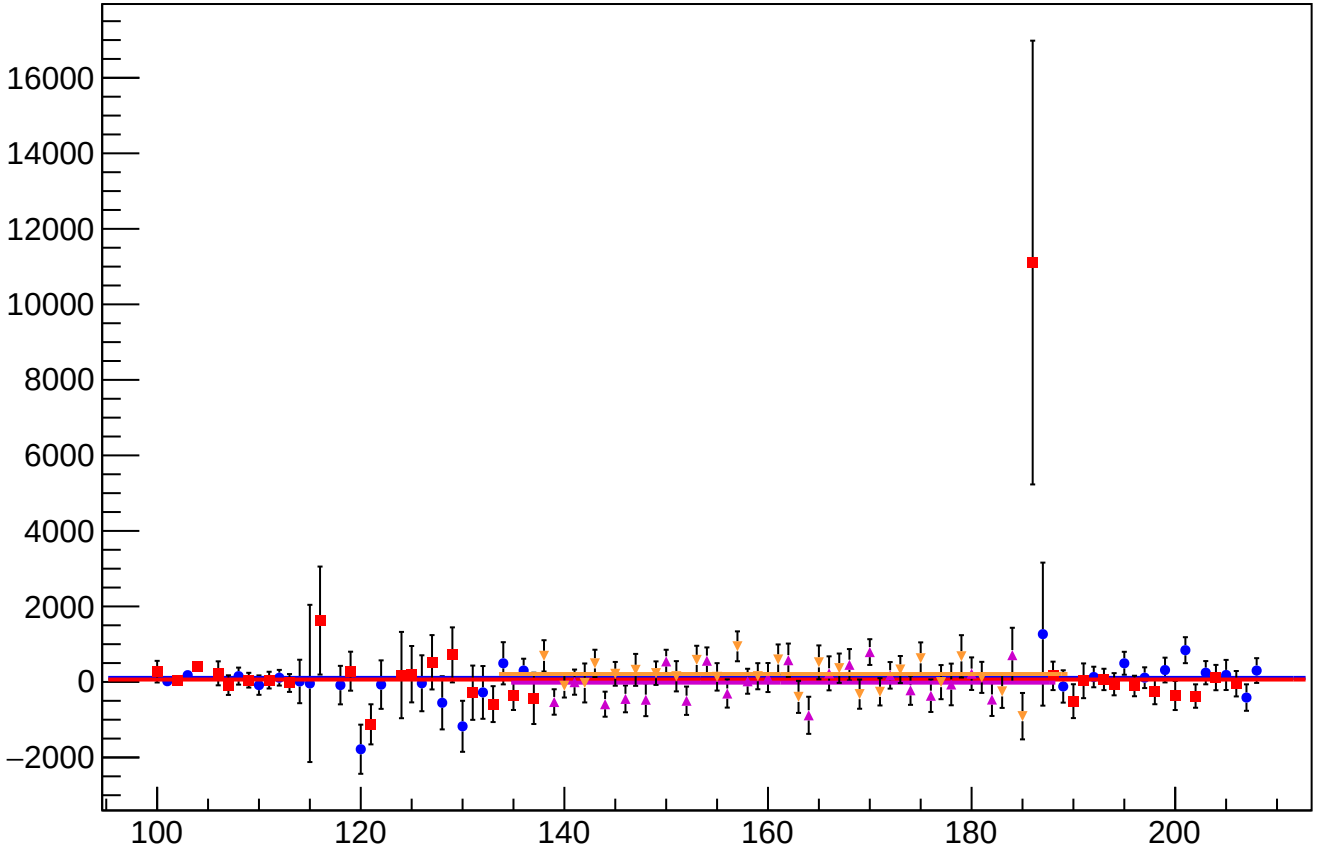
Right: 153.145+/-0.024 χ^2/NDF: 21679092.4/57

In: 200.928+/-0.029 χ^2/NDF:20041482.5/49

Out: 204.361+/-0.029 χ^2/NDF:20052653.8/55

All: 202.670+/-0.020 χ^2/NDF: 40101202.3/10

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 107.253+/-51.235 χ^2/NDF: 26.3/26

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 63.764+/-50.229 χ^2/NDF: 32.2/30

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

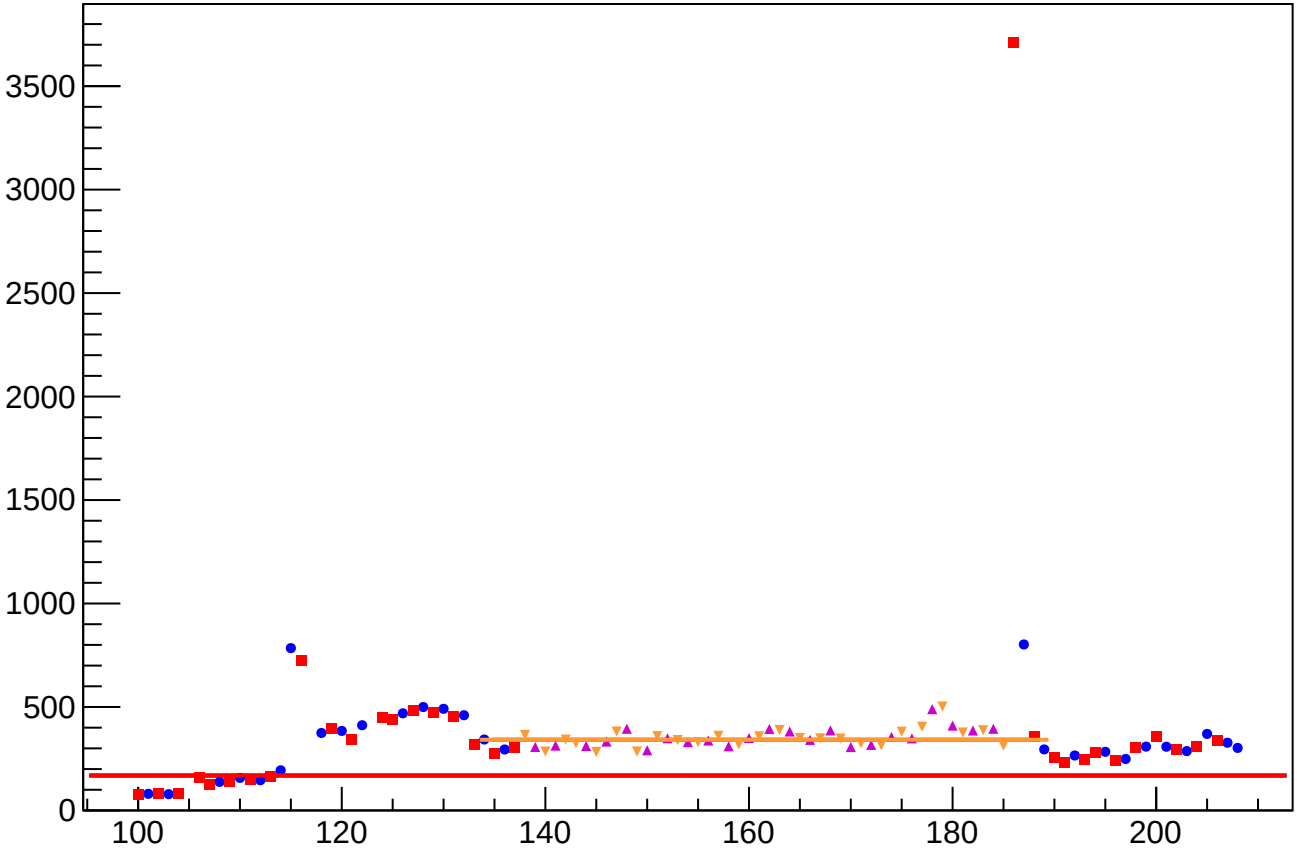
Right: 85.077+/-35.868 χ^2/NDF: 58.8/57

In: 71.058+/-43.254 χ^2/NDF:60.0/49

Out: 106.183+/-42.311 χ^2/NDF:56.1/55

All: 89.007+/-30.246 χ^2/NDF: 116.4/105

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 168.281+/-0.036 χ^2/NDF: 9594107.8/26

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 169.833+/-0.036 χ^2/NDF: 9468328.9/30

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

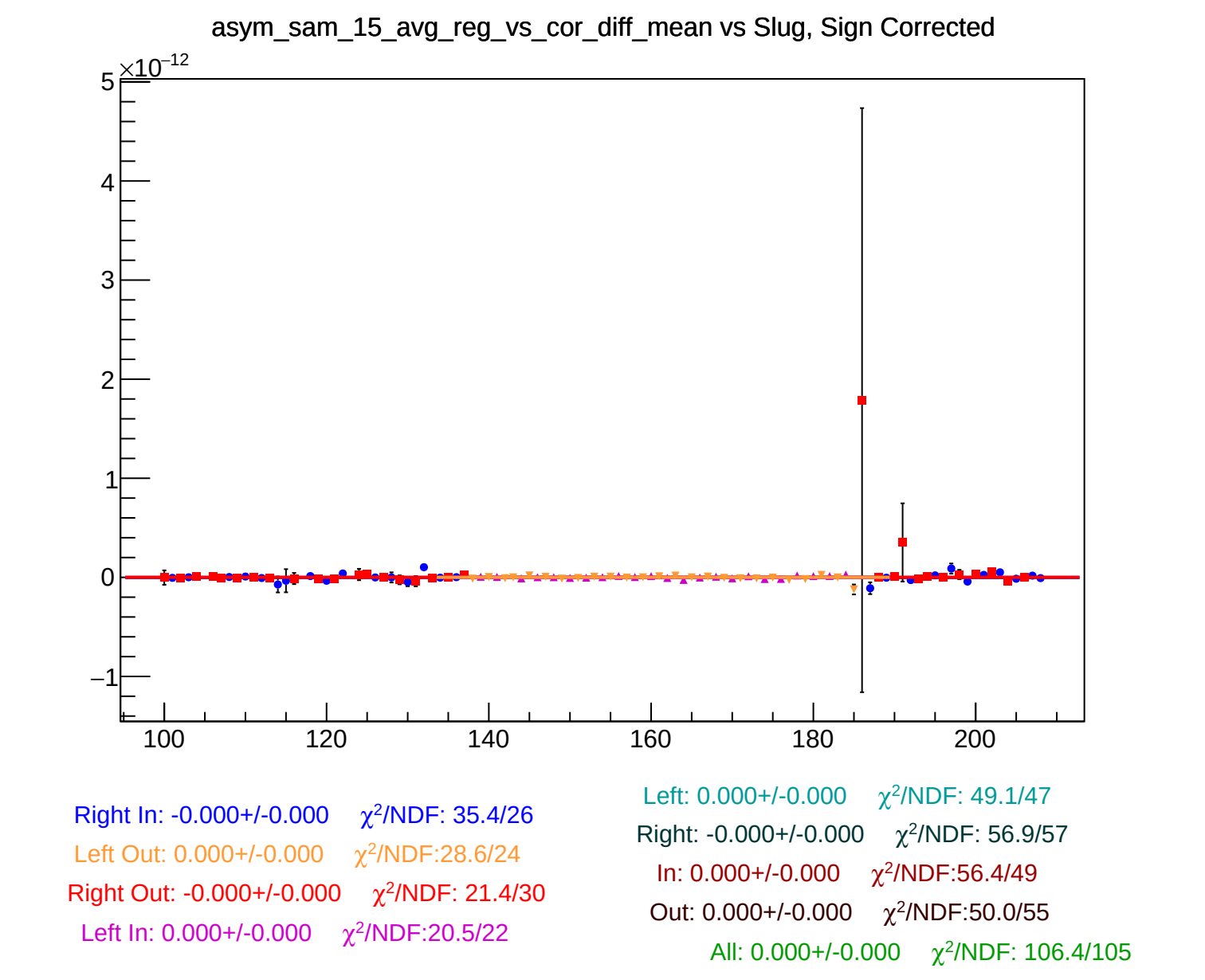
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 169.072+/-0.025 χ^2/NDF: 19063372.1/57

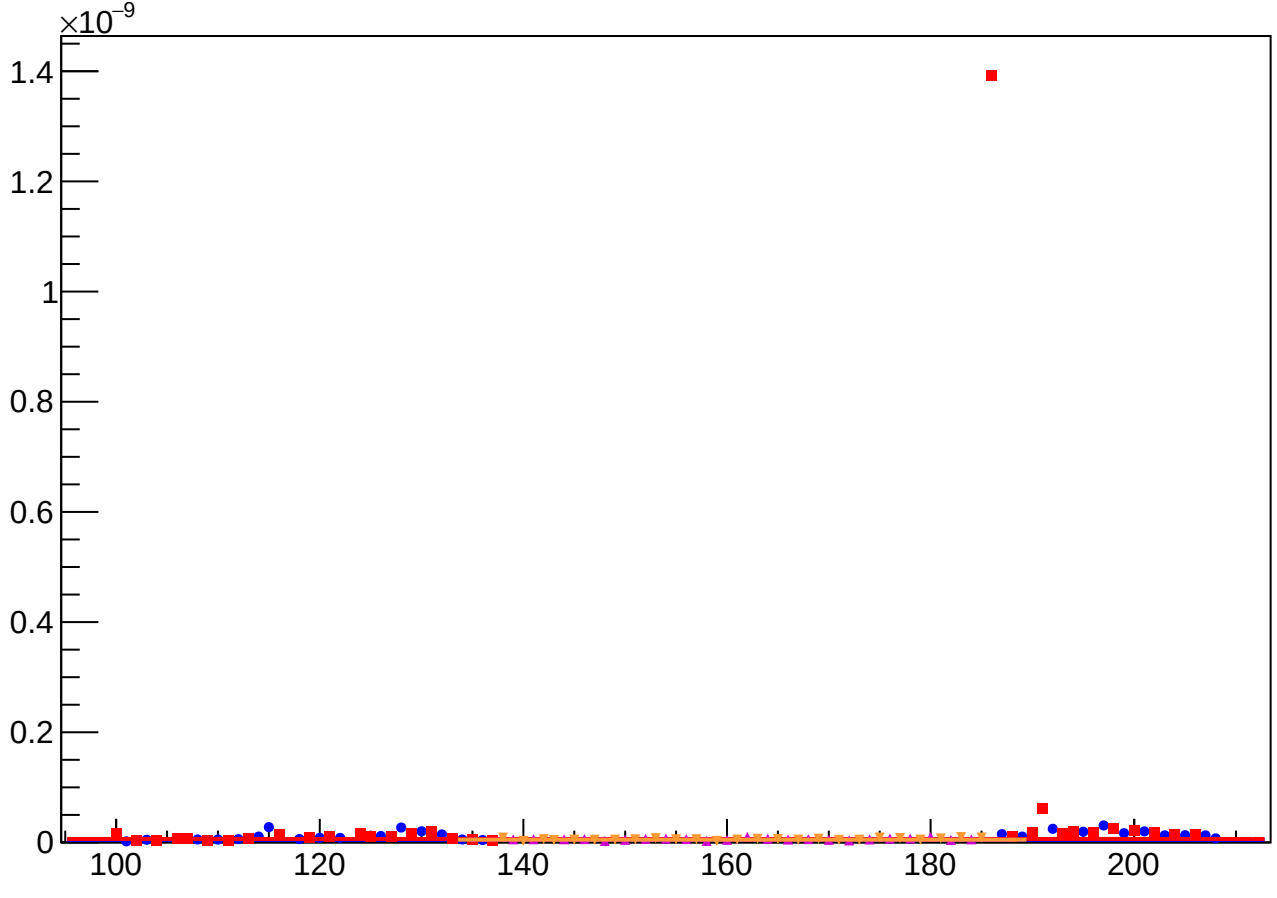
In: 218.171+/-0.031 χ^2/NDF:16680702.9/49

Out: 219.714+/-0.030 χ^2/NDF:16814092.2/55

All: 218.960+/-0.021 χ^2/NDF: 33496095.5/10


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 35.4/26
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/30
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: 56.9/57
In: 0.000+/-0.000 χ²/NDF:56.4/49
Out: 0.000+/-0.000 χ²/NDF:50.0/55
All: 0.000+/-0.000 χ²/NDF: 106.4/105

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6090023.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4963710.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

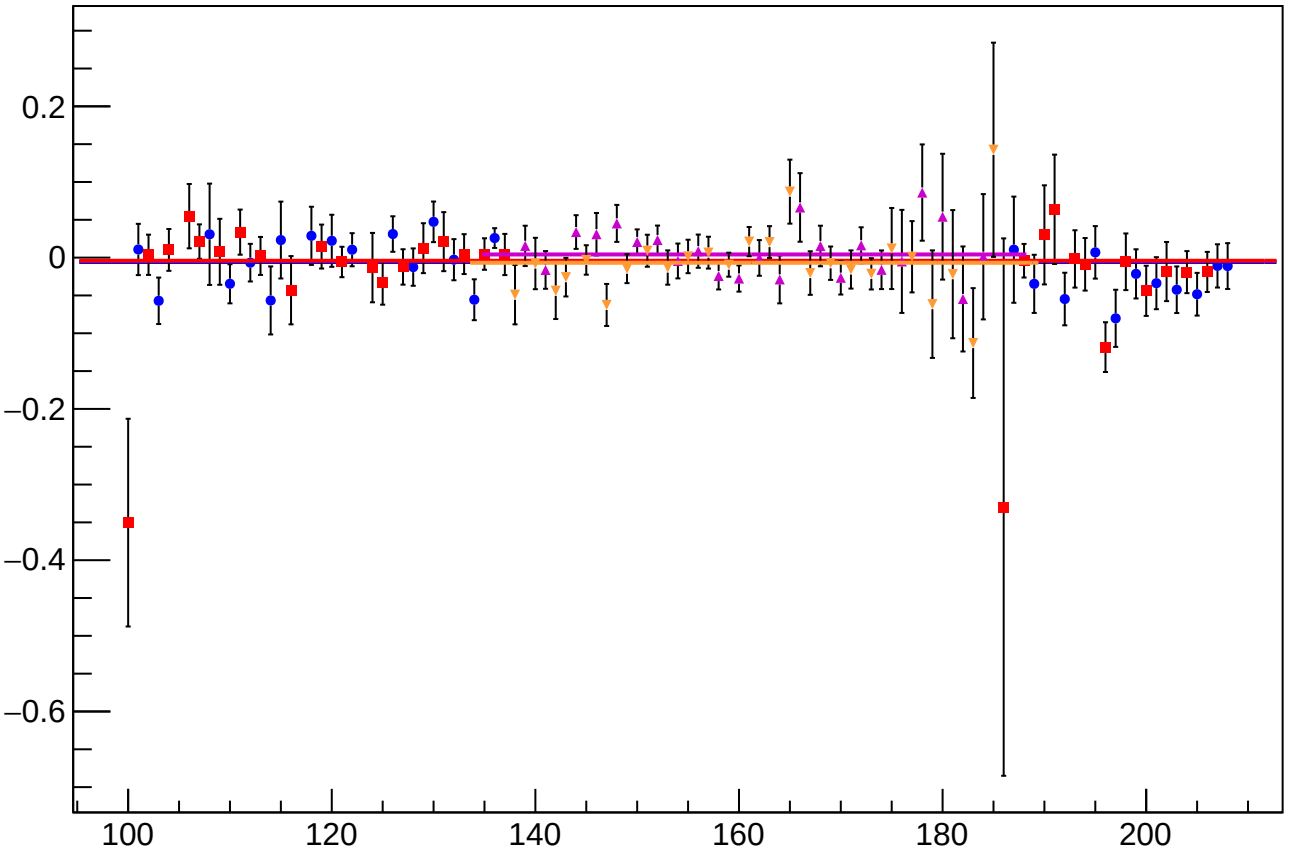
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11428872.2/57

In: 0.000+/-0.000 χ^2/NDF:7331208.1/49

Out: 0.000+/-0.000 χ^2/NDF:6528008.3/55

All: 0.000+/-0.000 χ^2/NDF: 13989563.5/105



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

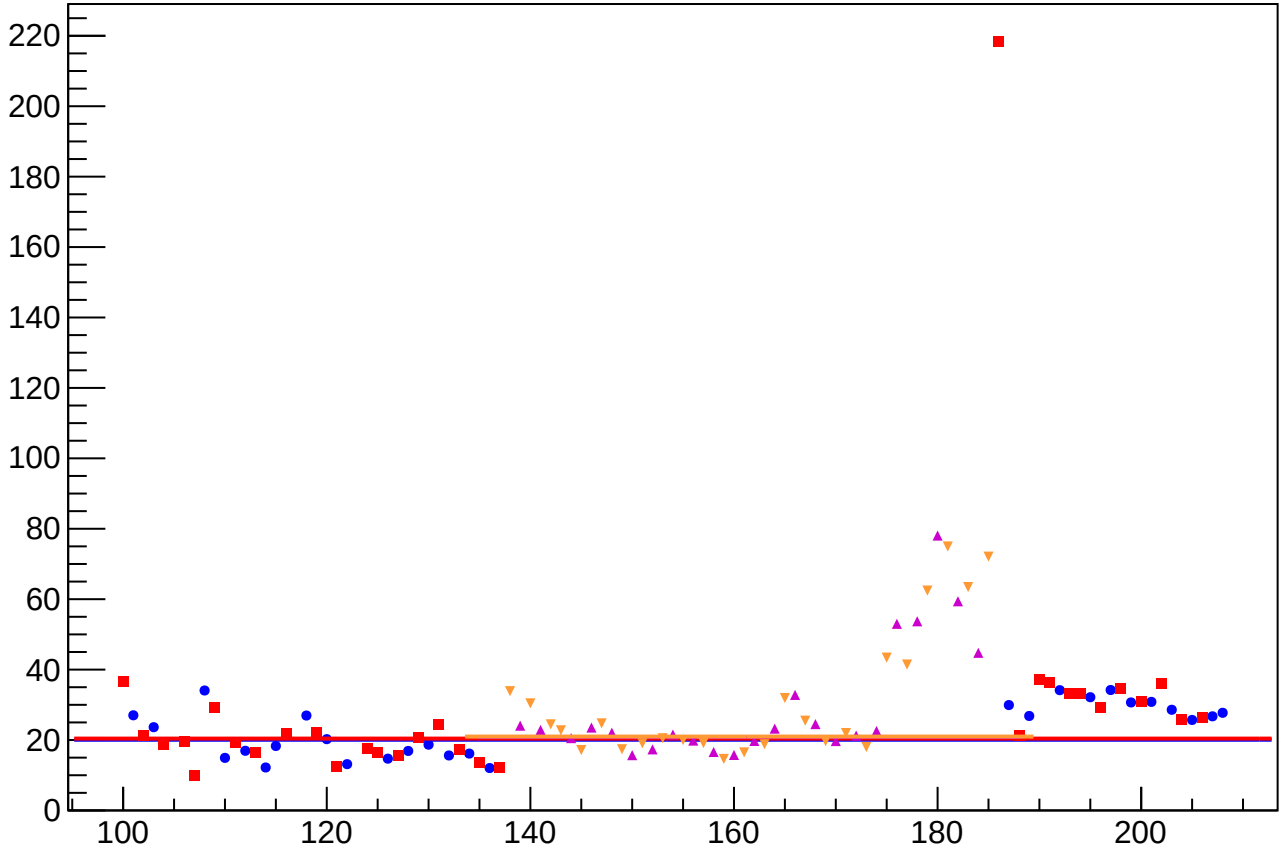
Right: -0.005+/-0.004 χ^2/NDF: 66.5/57

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.1/105

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

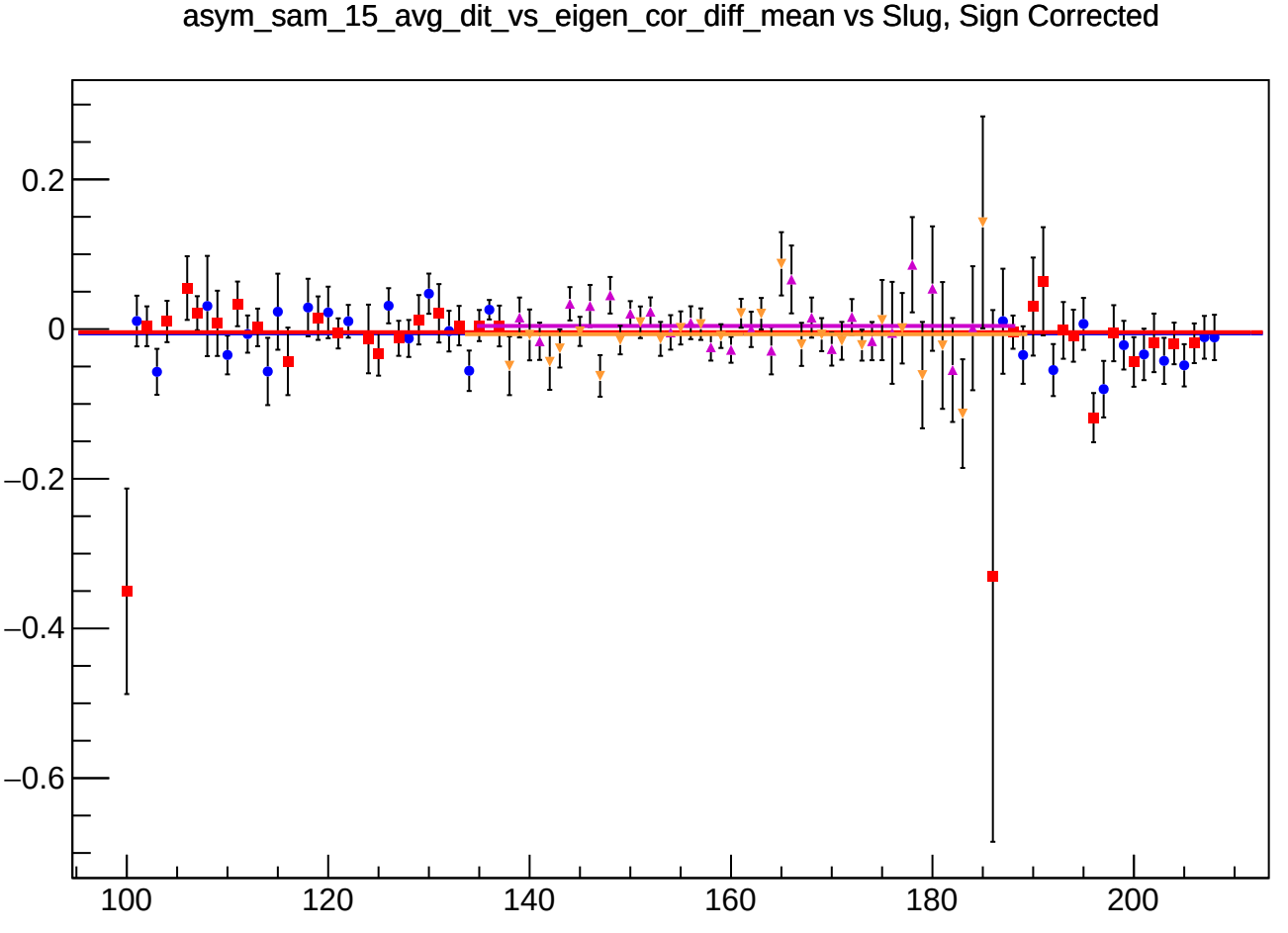
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.247+/-0.003 χ^2/NDF: 7414071.9/57

In: 20.493+/-0.003 χ^2/NDF:7020248.4/49

Out: 20.713+/-0.003 χ^2/NDF:8424468.2/55

All: 20.604+/-0.002 χ^2/NDF: 15448087.0/105



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

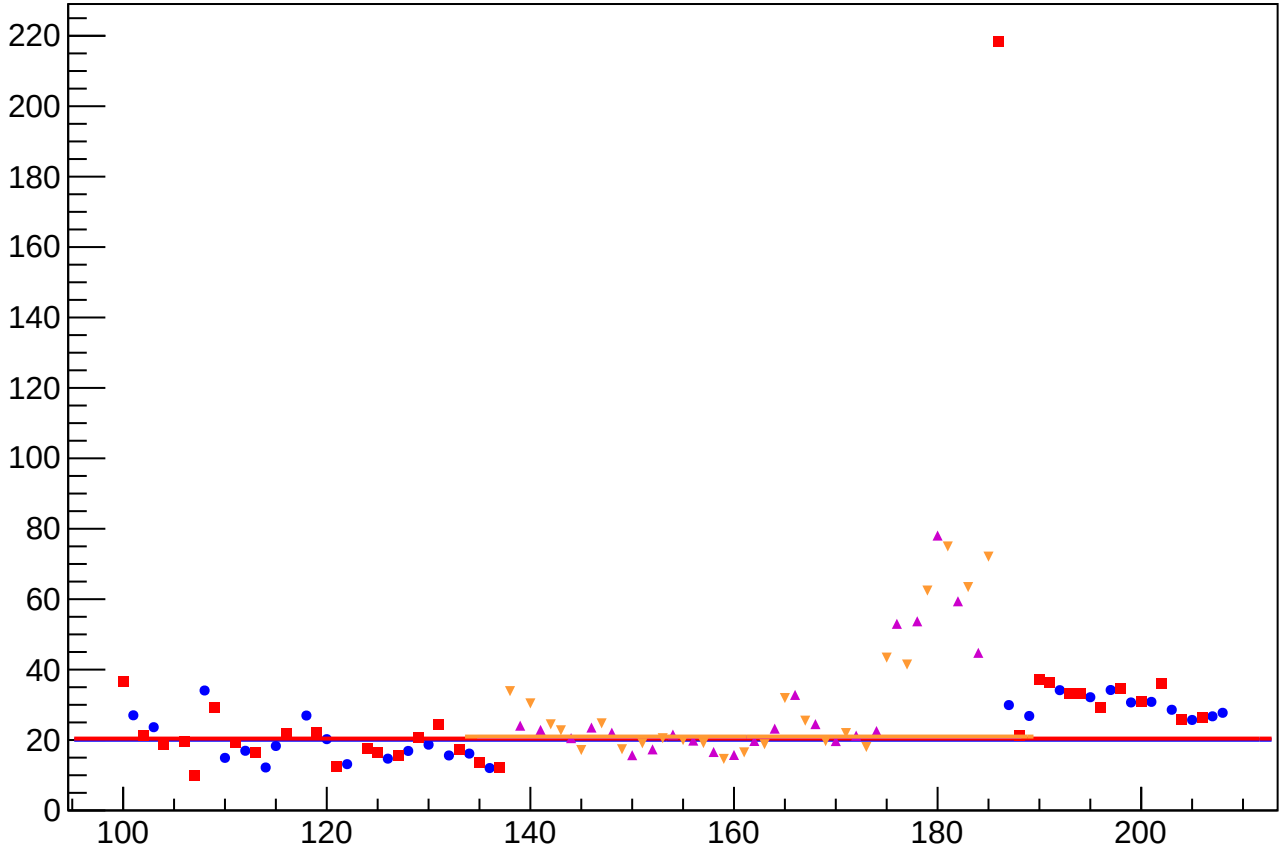
Right: -0.005+/-0.004 χ^2/NDF: 66.5/57

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.1/105

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

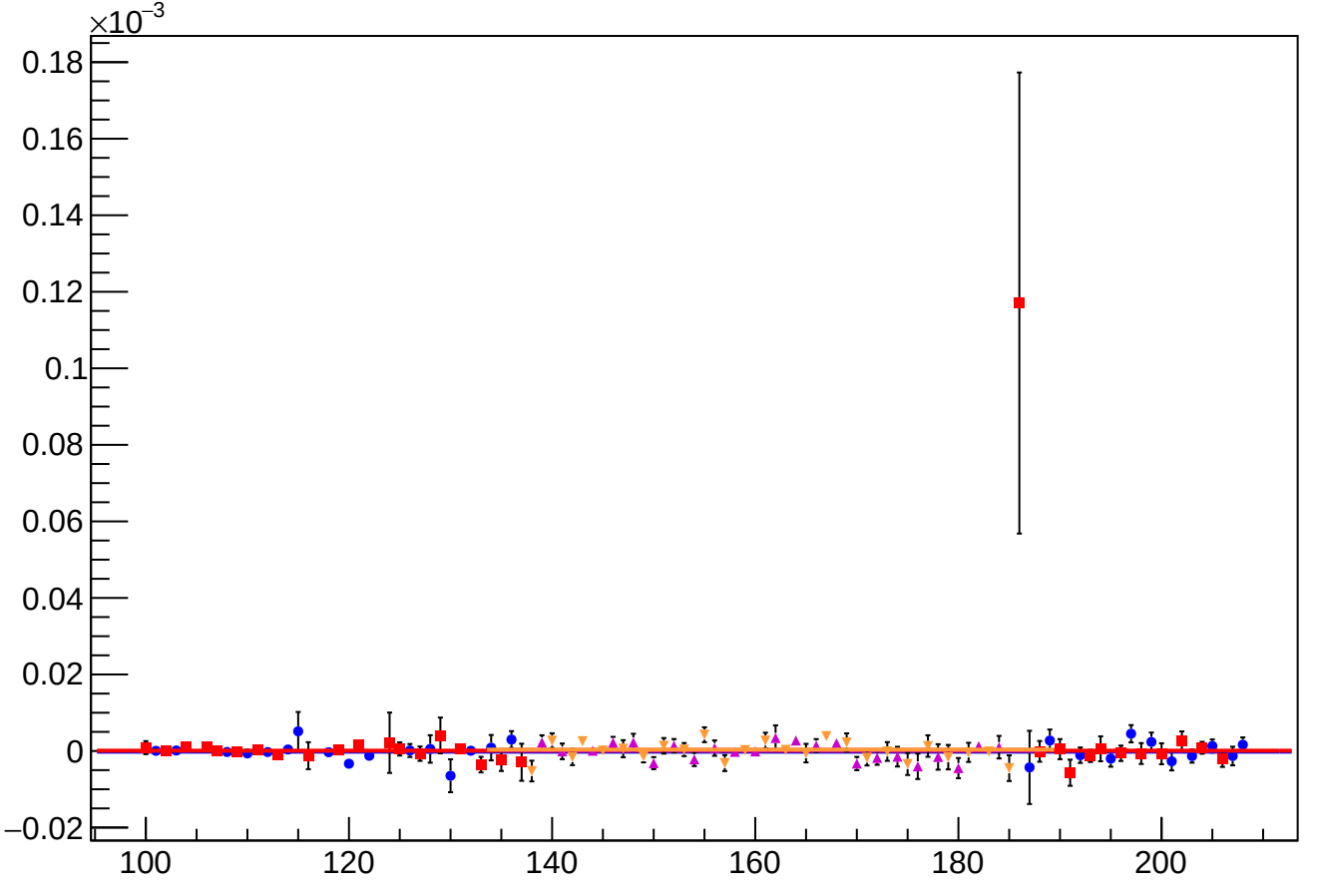
Right: 20.247+/-0.003 χ^2/NDF: 7414071.9/57

In: 20.493+/-0.003 χ^2/NDF:7020248.4/49

Out: 20.713+/-0.003 χ^2/NDF:8424468.2/55

All: 20.604+/-0.002 χ^2/NDF: 15448087.0/105

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/30

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

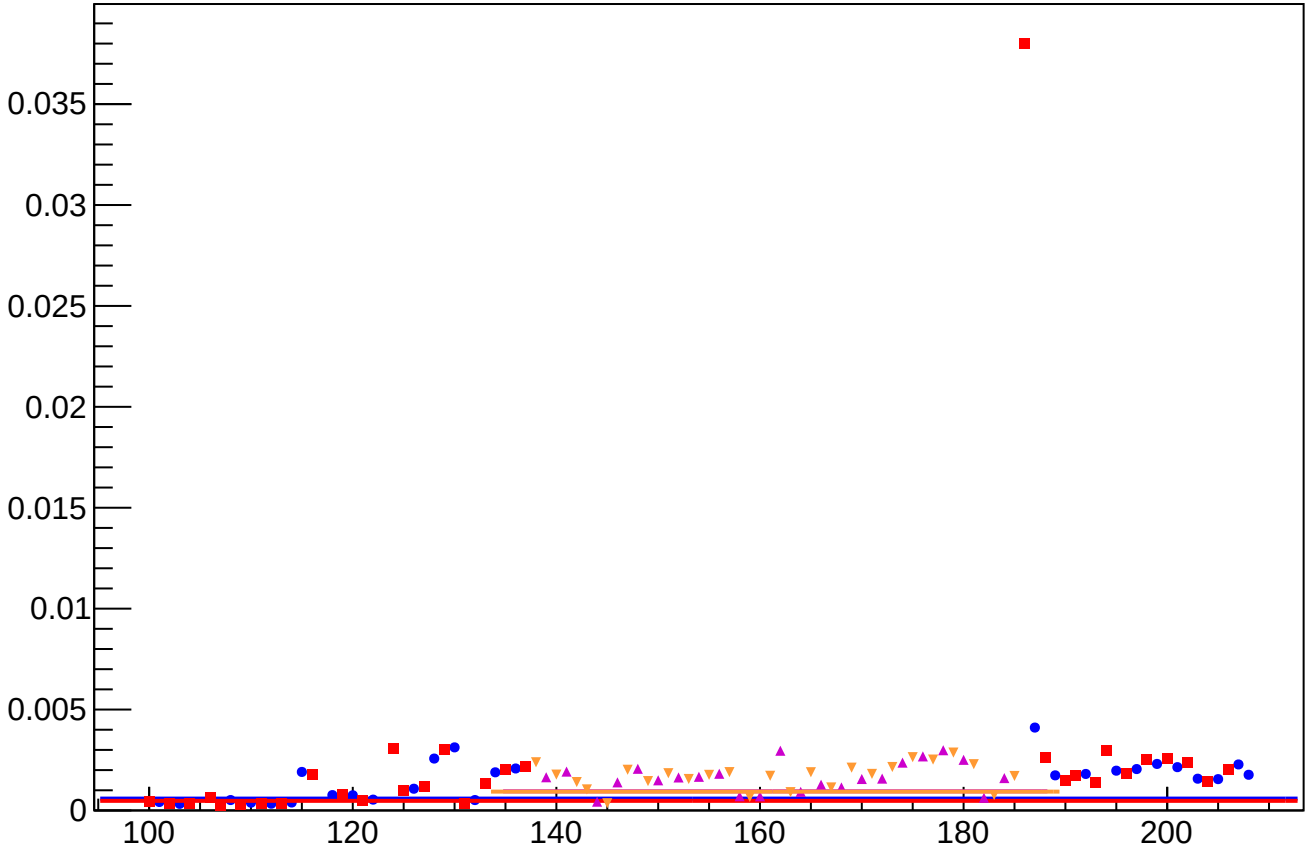
Right: -0.000+/-0.000 χ^2/NDF: 56.8/57

In: -0.000+/-0.000 χ^2/NDF:58.9/49

Out: 0.000+/-0.000 χ^2/NDF:65.3/55

All: 0.000+/-0.000 χ^2/NDF: 124.9/105

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12610884.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15204140.5/30

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

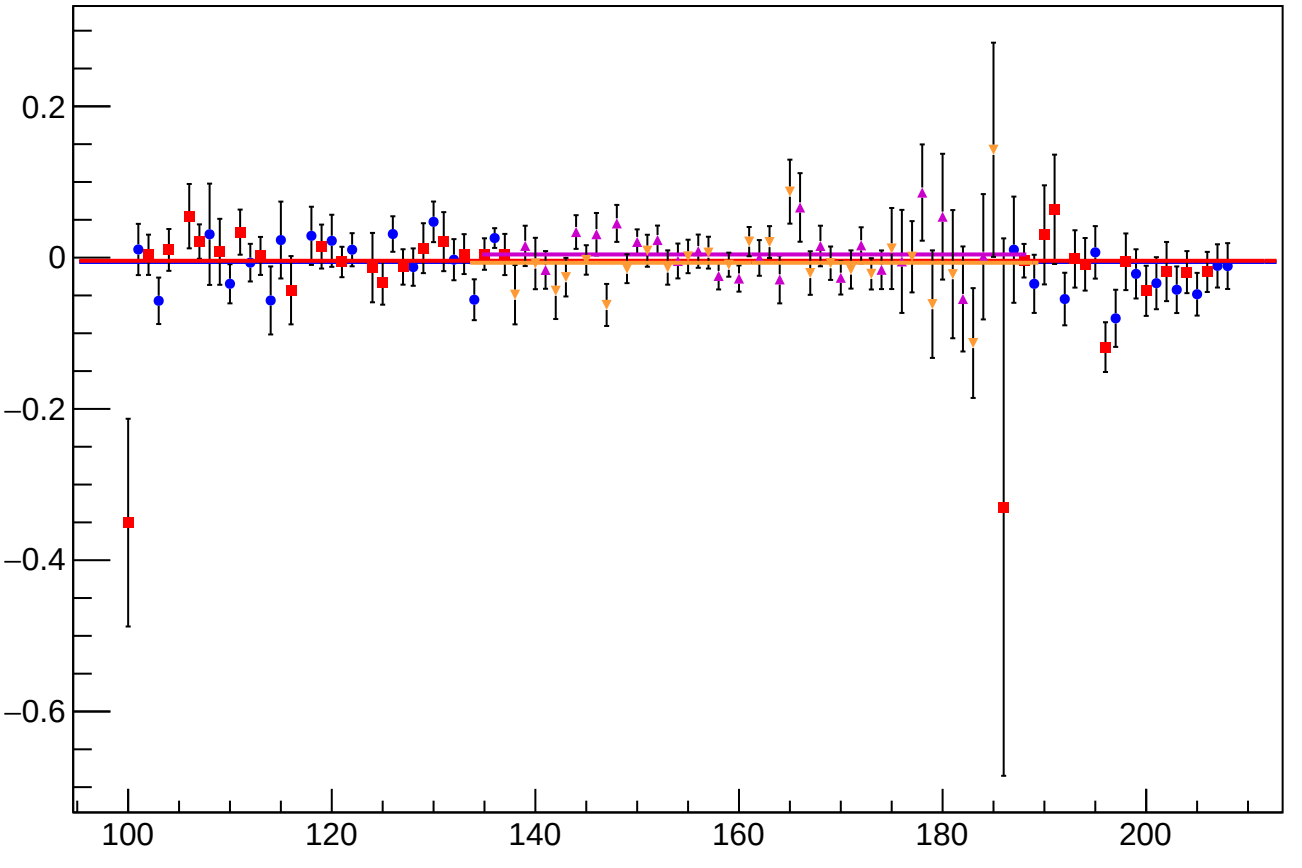
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 28186550.5/57

In: 0.001+/-0.000 χ^2/NDF:24473324.6/49

Out: 0.001+/-0.000 χ^2/NDF:31540699.4/55

All: 0.001+/-0.000 χ^2/NDF: 56546471.8/105



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

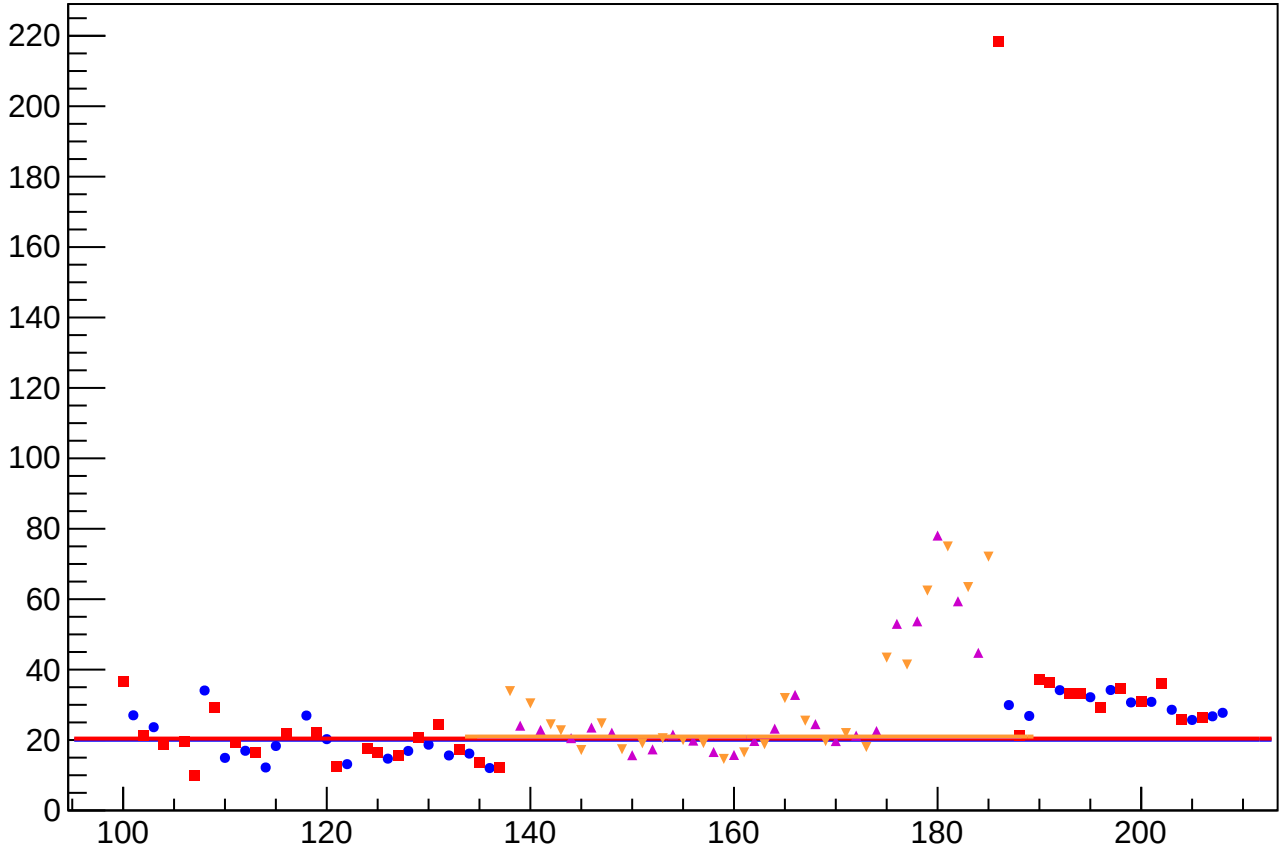
Right: -0.005+/-0.004 χ^2/NDF: 66.5/57

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.1/105

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

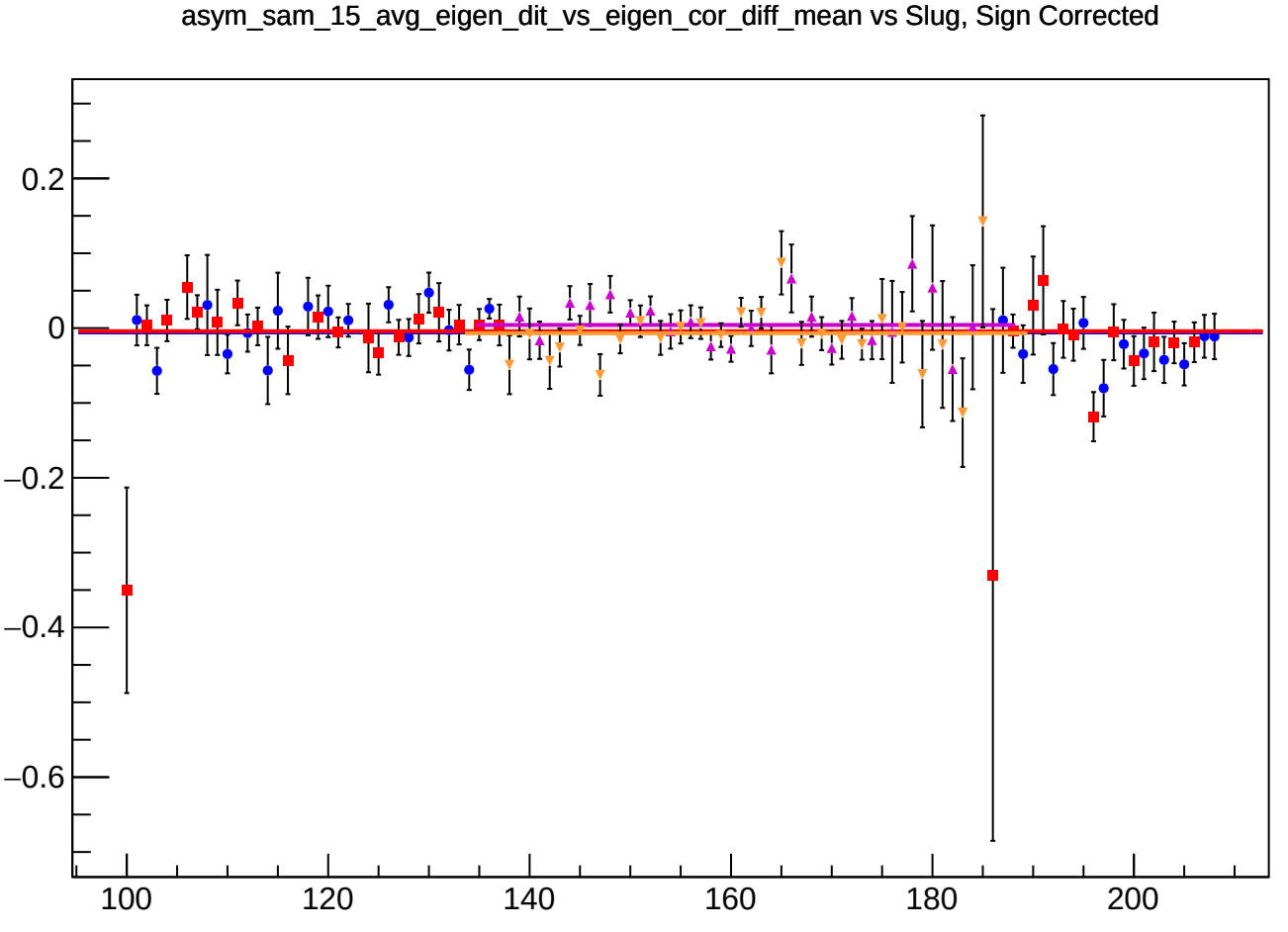
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.247+/-0.003 χ^2/NDF: 7414097.5/57

In: 20.493+/-0.003 χ^2/NDF:7020311.1/49

Out: 20.713+/-0.003 χ^2/NDF:8424482.0/55

All: 20.604+/-0.002 χ^2/NDF: 15448163.9/105



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

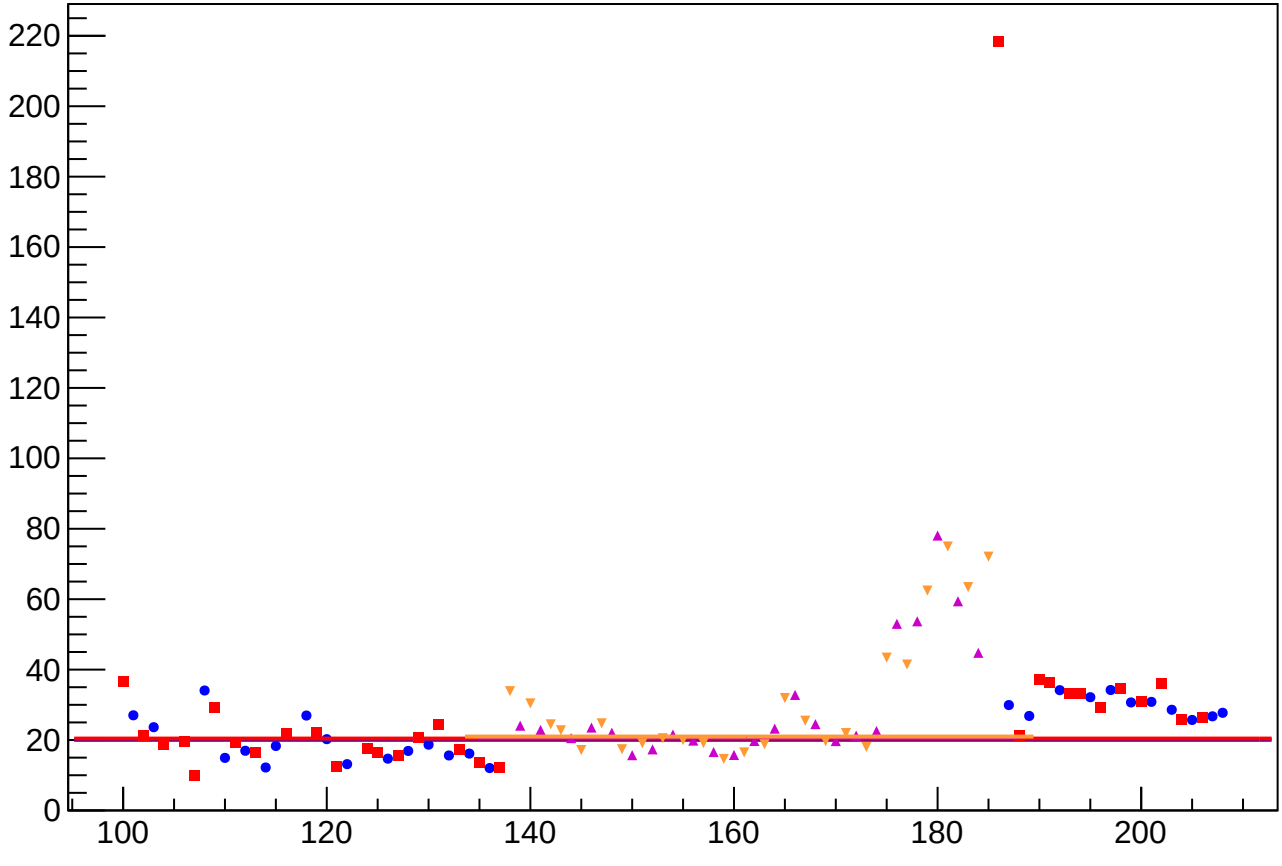
Right: -0.005+/-0.004 χ^2/NDF: 66.5/57

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.1/105

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

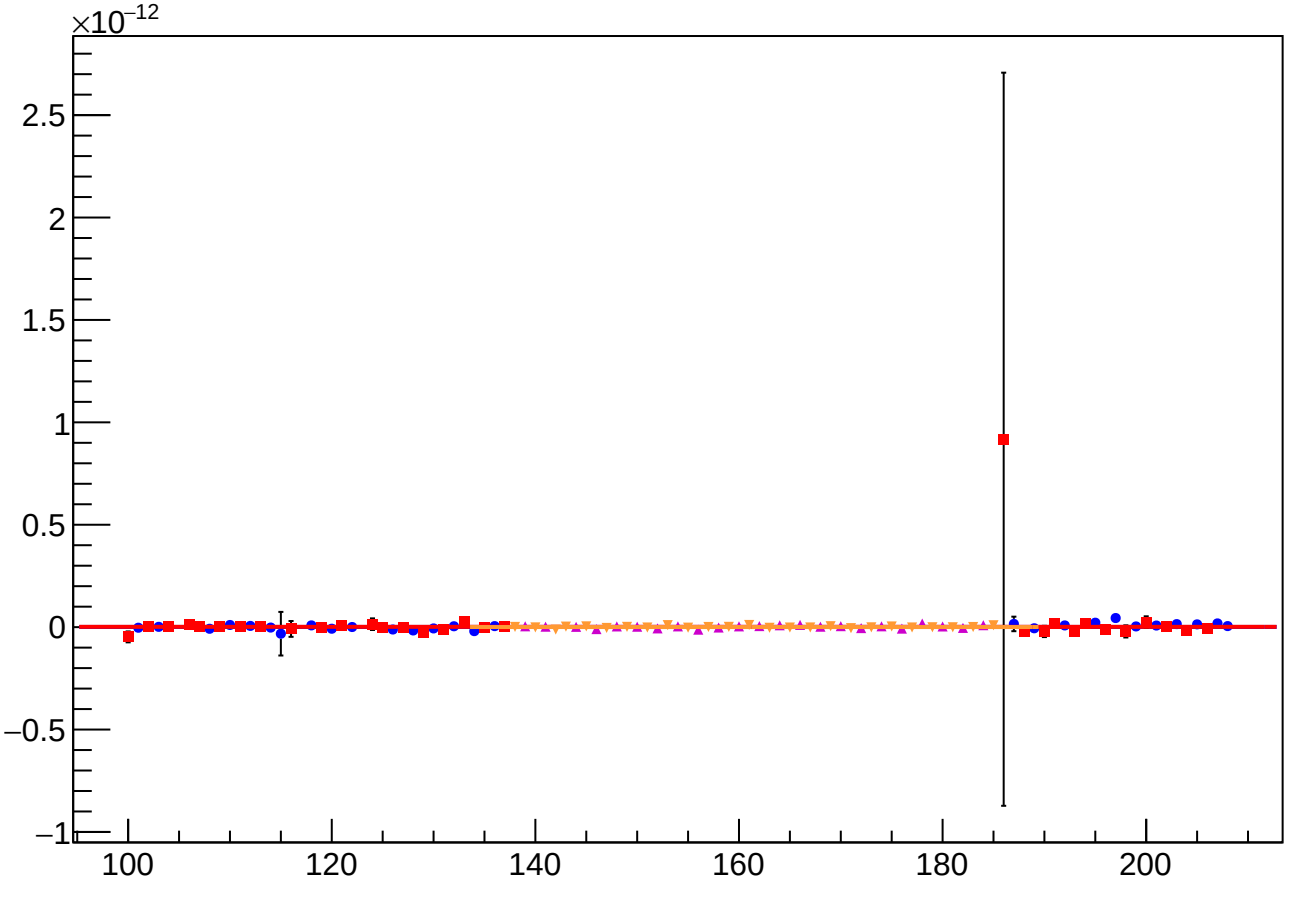
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.247+/-0.003 χ^2/NDF: 7414097.5/57

In: 20.493+/-0.003 χ^2/NDF:7020311.1/49

Out: 20.713+/-0.003 χ^2/NDF:8424482.0/55

All: 20.604+/-0.002 χ^2/NDF: 15448163.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/30

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

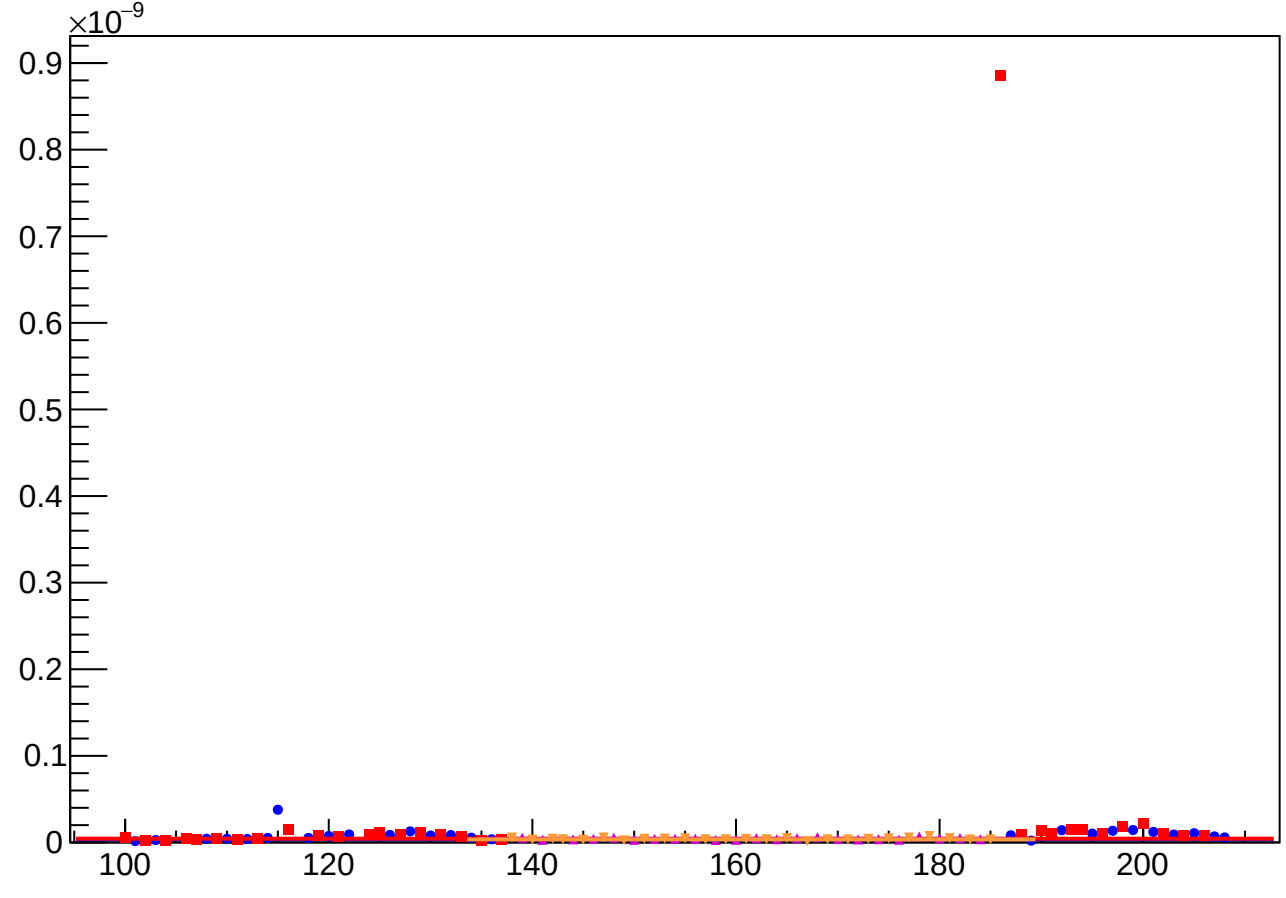
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.3/57

In: 0.000+/-0.000 χ^2/NDF:51.7/49

Out: 0.000+/-0.000 χ^2/NDF:40.9/55

All: 0.000+/-0.000 χ^2/NDF: 92.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 7054744.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7482290.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

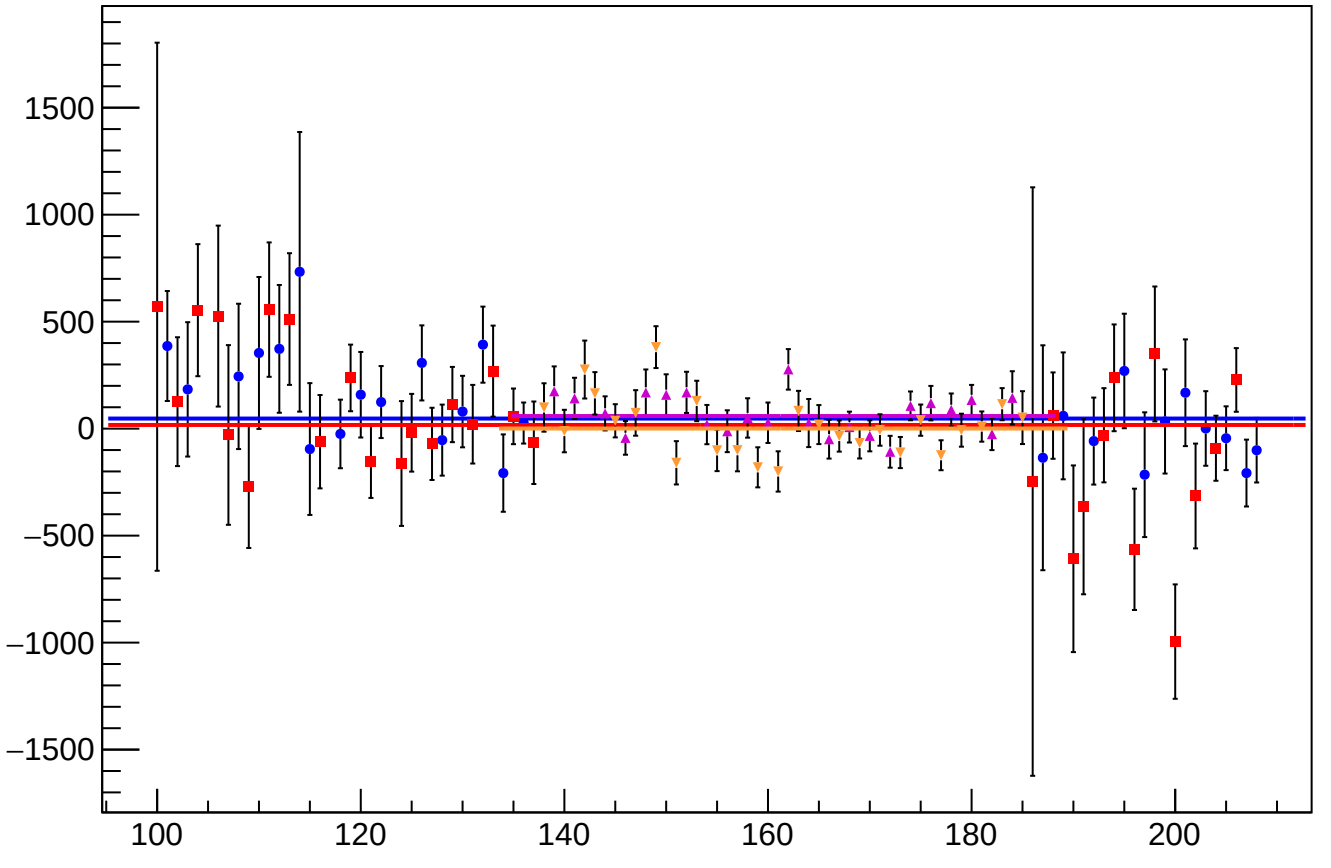
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 14708544.9/57

In: 0.000+/-0.000 χ^2/NDF:8278322.3/49

Out: 0.000+/-0.000 χ^2/NDF:10351847.4/55

All: 0.000+/-0.000 χ^2/NDF: 18634926.5/105



Right In: 47.151+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 17.257+/-39.978 χ^2/NDF: 45.0/30

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

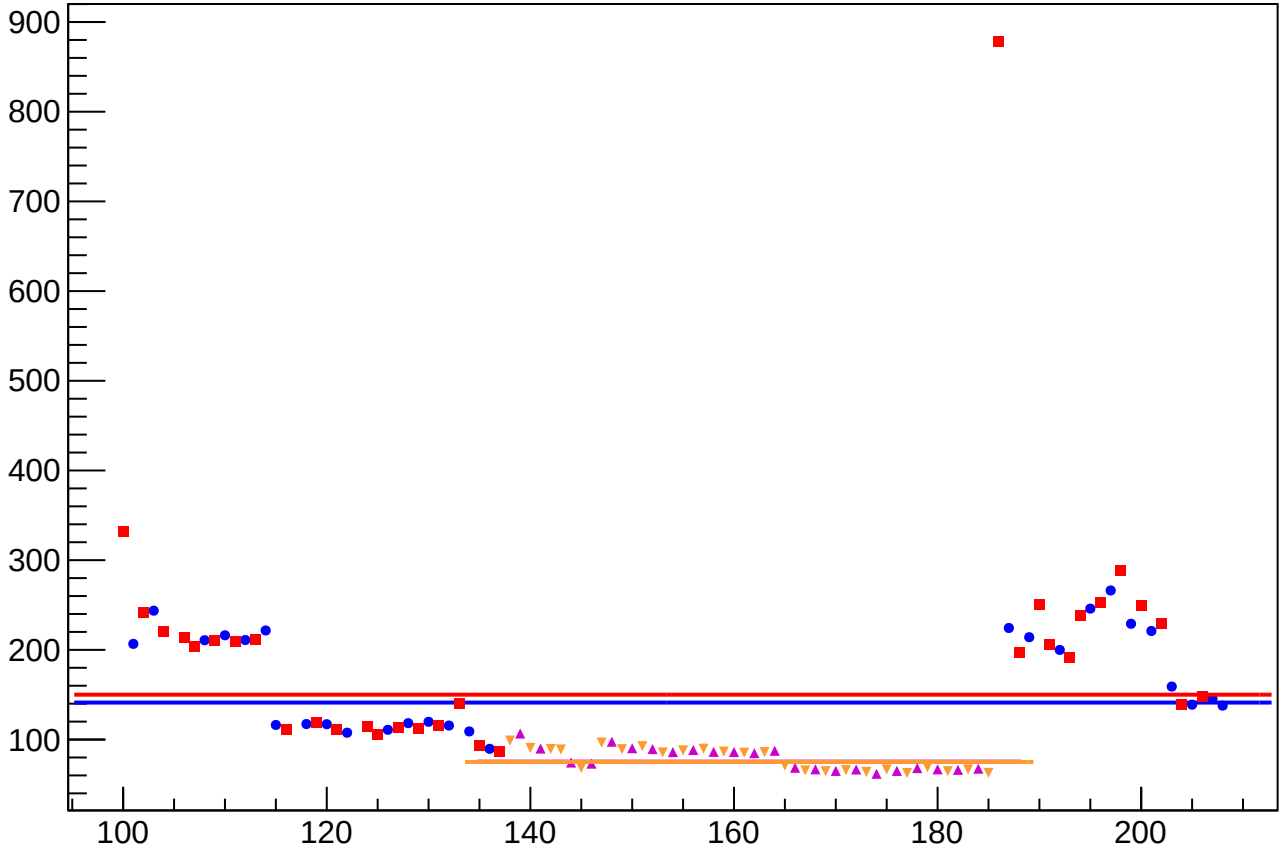
Right: 33.058+/-27.450 χ^2/NDF: 66.2/57

In: 56.753+/-16.159 χ^2/NDF:46.8/49

Out: 3.230+/-15.892 χ^2/NDF:93.8/55

All: 29.546+/-11.331 χ^2/NDF: 146.1/105

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.231+/-0.027 χ^2/NDF: 3137293.2/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.028+/-0.028 χ^2/NDF: 4189572.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

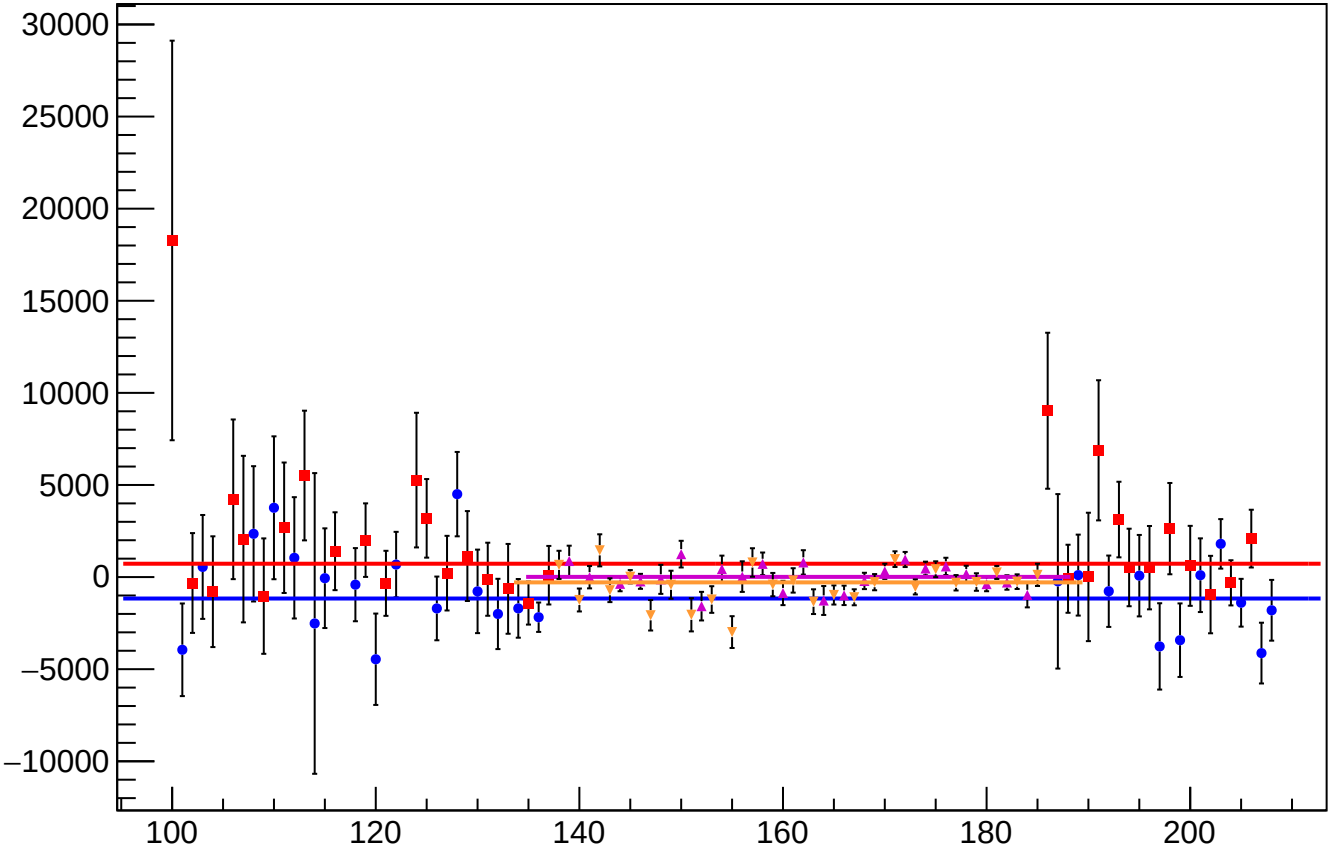
Right: 145.379+/-0.019 χ^2/NDF: 7378050.7/57

In: 87.419+/-0.011 χ^2/NDF:8948734.4/49

Out: 86.891+/-0.011 χ^2/NDF:11042198.0/55

All: 87.150+/-0.008 χ^2/NDF: 19992019.0/105

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1164.136+/-361.567 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 724.633+/-392.056 χ^2/NDF: 24.9/30

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

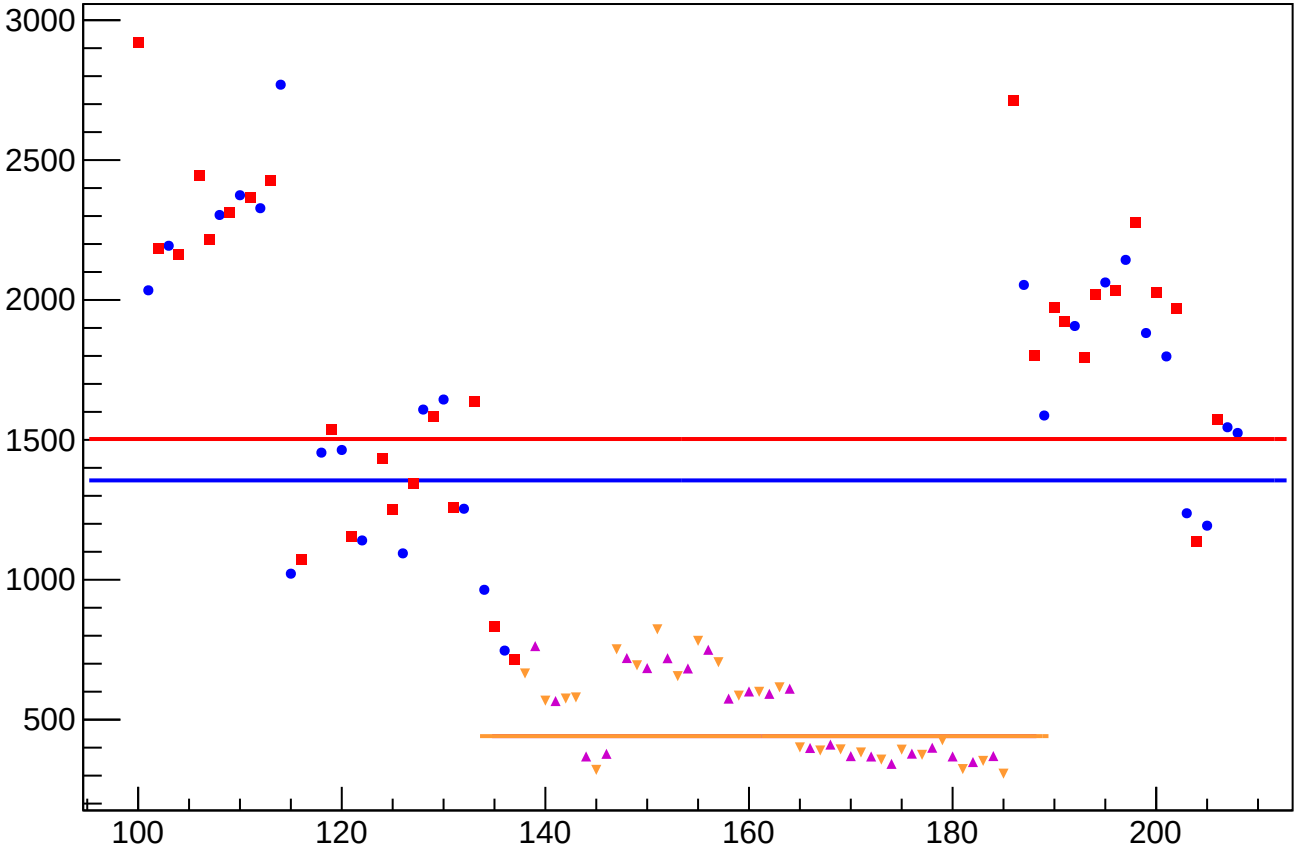
Right: -296.039+/-265.793 χ^2/NDF: 65.3/57

In: -85.046+/-103.191 χ^2/NDF:71.0/49

Out: -220.023+/-101.634 χ^2/NDF:84.4/55

All: -153.561+/-72.410 χ^2/NDF: 156.2/105

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1355.139+/-0.256 χ^2/NDF: 3278705.6/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1503.053+/-0.277 χ^2/NDF: 3320937.7/30

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

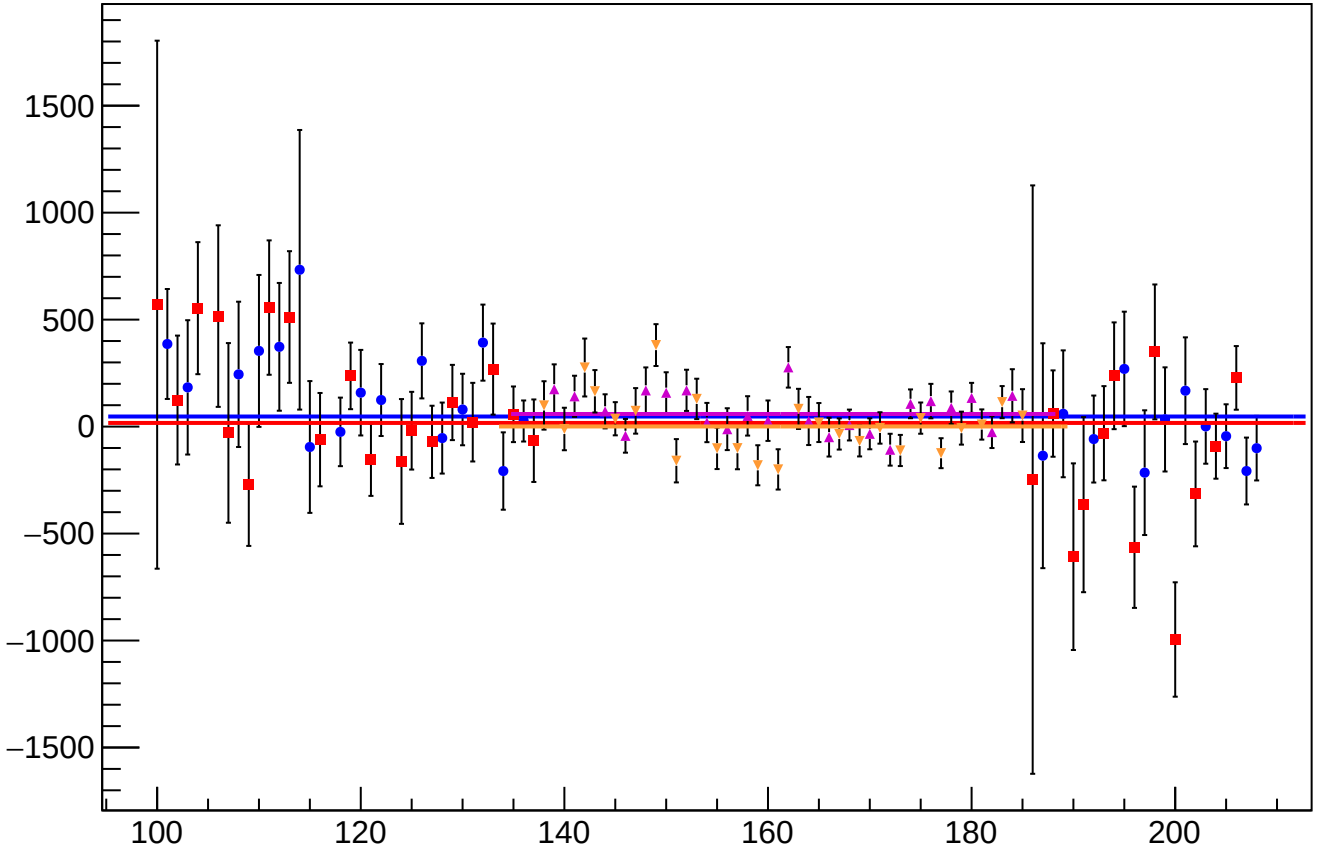
Right: 1423.122+/-0.188 χ^2/NDF: 6753479.7/57

In: 515.639+/-0.073 χ^2/NDF:17698690.5/49

Out: 512.492+/-0.072 χ^2/NDF:20242557.7/55

All: 514.042+/-0.051 χ^2/NDF: 37942192.9/10

cor_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 17.107+/-39.980 χ^2/NDF: 45.0/30

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

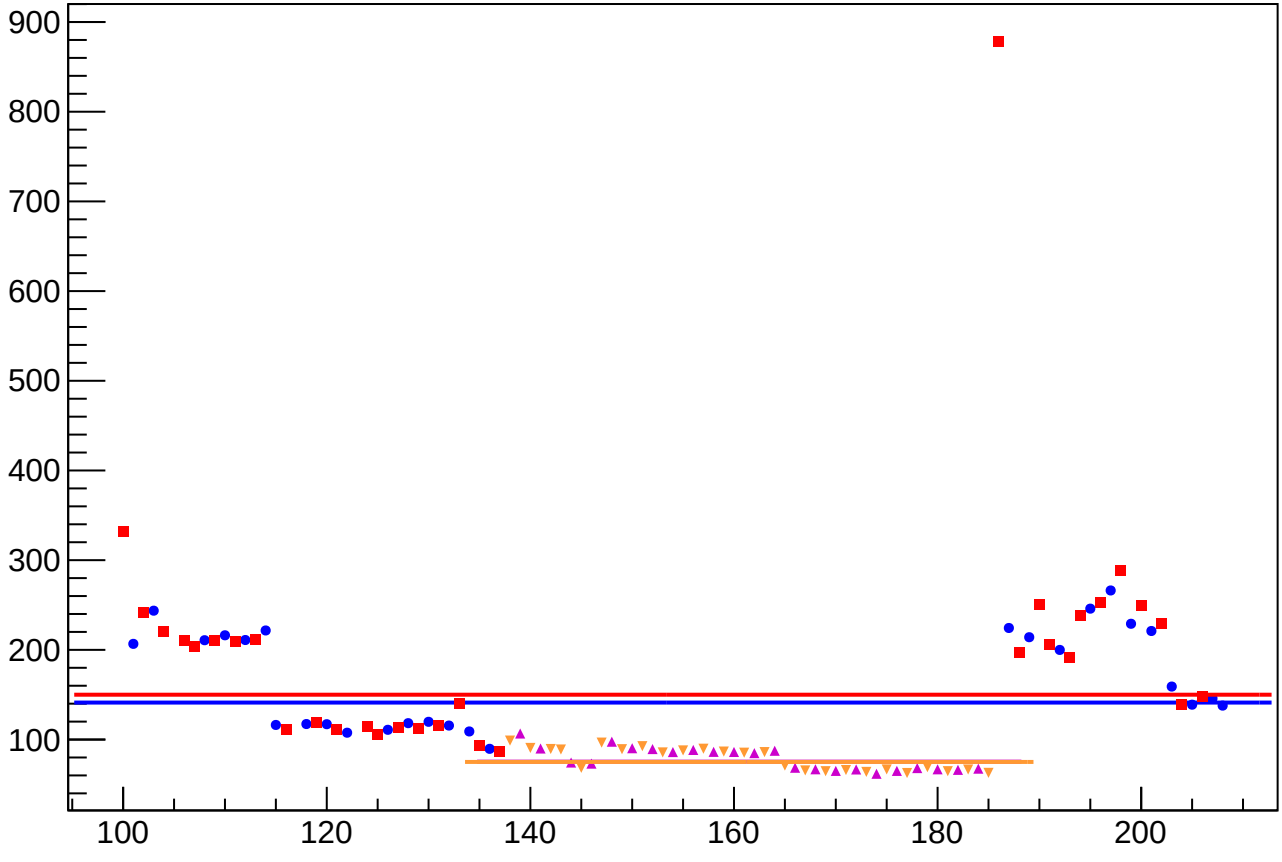
Right: 32.979+/-27.450 χ^2/NDF: 66.1/57

In: 56.748+/-16.159 χ^2/NDF:46.8/49

Out: 3.206+/-15.892 χ^2/NDF:93.7/55

All: 29.532+/-11.331 χ^2/NDF: 146.0/105

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

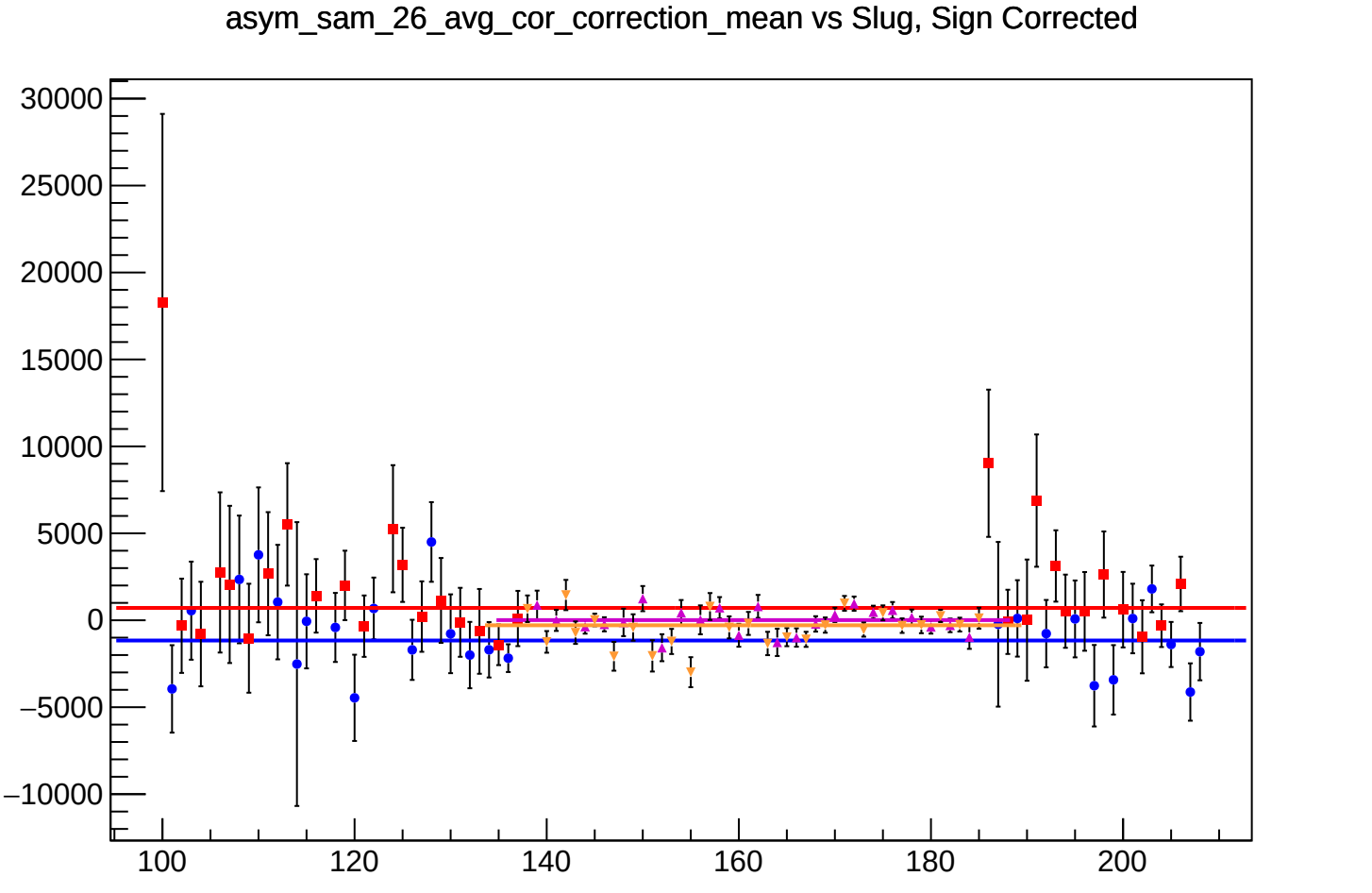
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 145.364+/-0.019 χ^2/NDF: 7373421.5/57

In: 87.419+/-0.011 χ^2/NDF:8948736.4/49

Out: 86.885+/-0.011 χ^2/NDF:11032628.6/55

All: 87.148+/-0.008 χ^2/NDF: 19982475.2/105



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 710.820+/-392.246 χ^2/NDF: 24.4/30

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

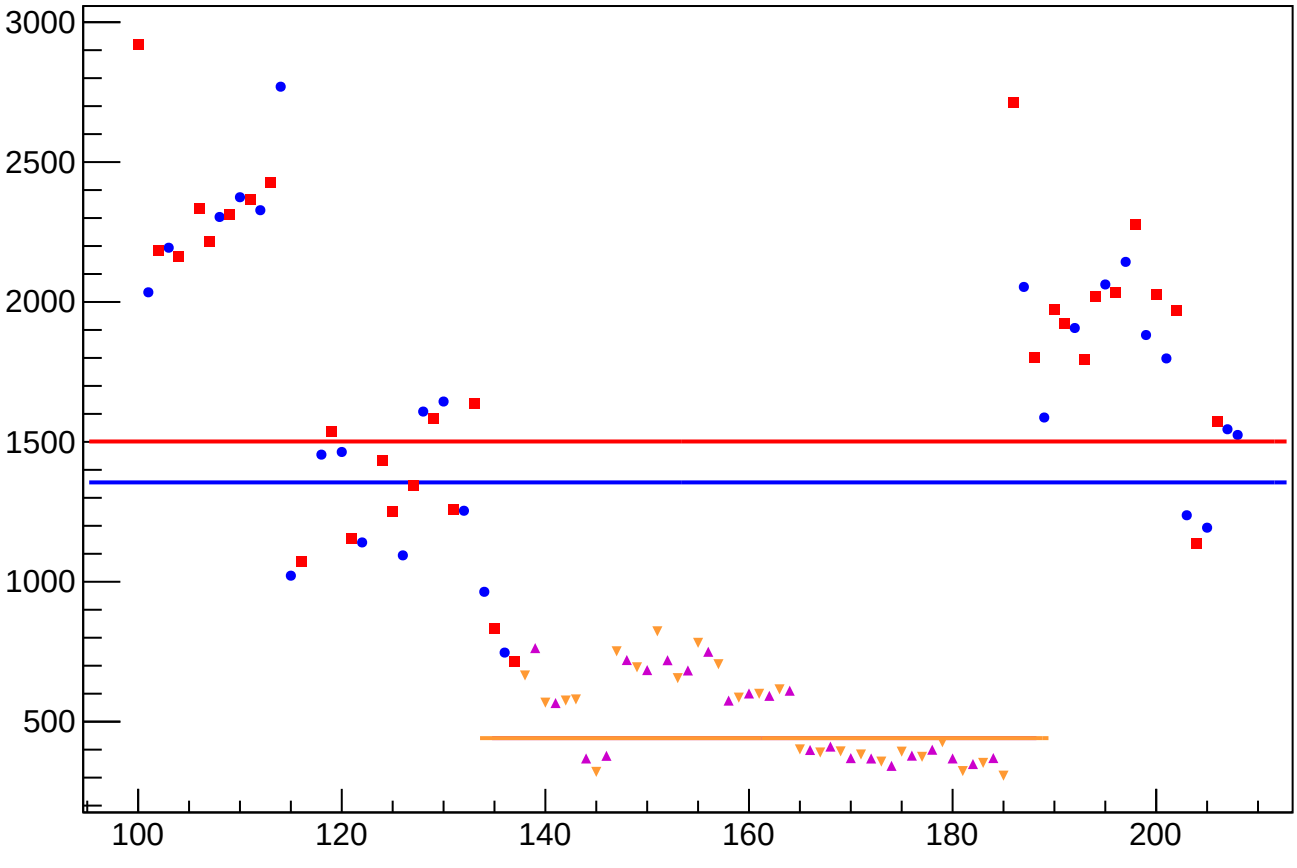
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -302.834+/-265.852 χ^2/NDF: 64.6/57

In: -85.045+/-103.191 χ^2/NDF:71.0/49

Out: -221.012+/-101.637 χ^2/NDF:83.7/55

All: -154.060+/-72.412 χ^2/NDF: 155.6/105



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

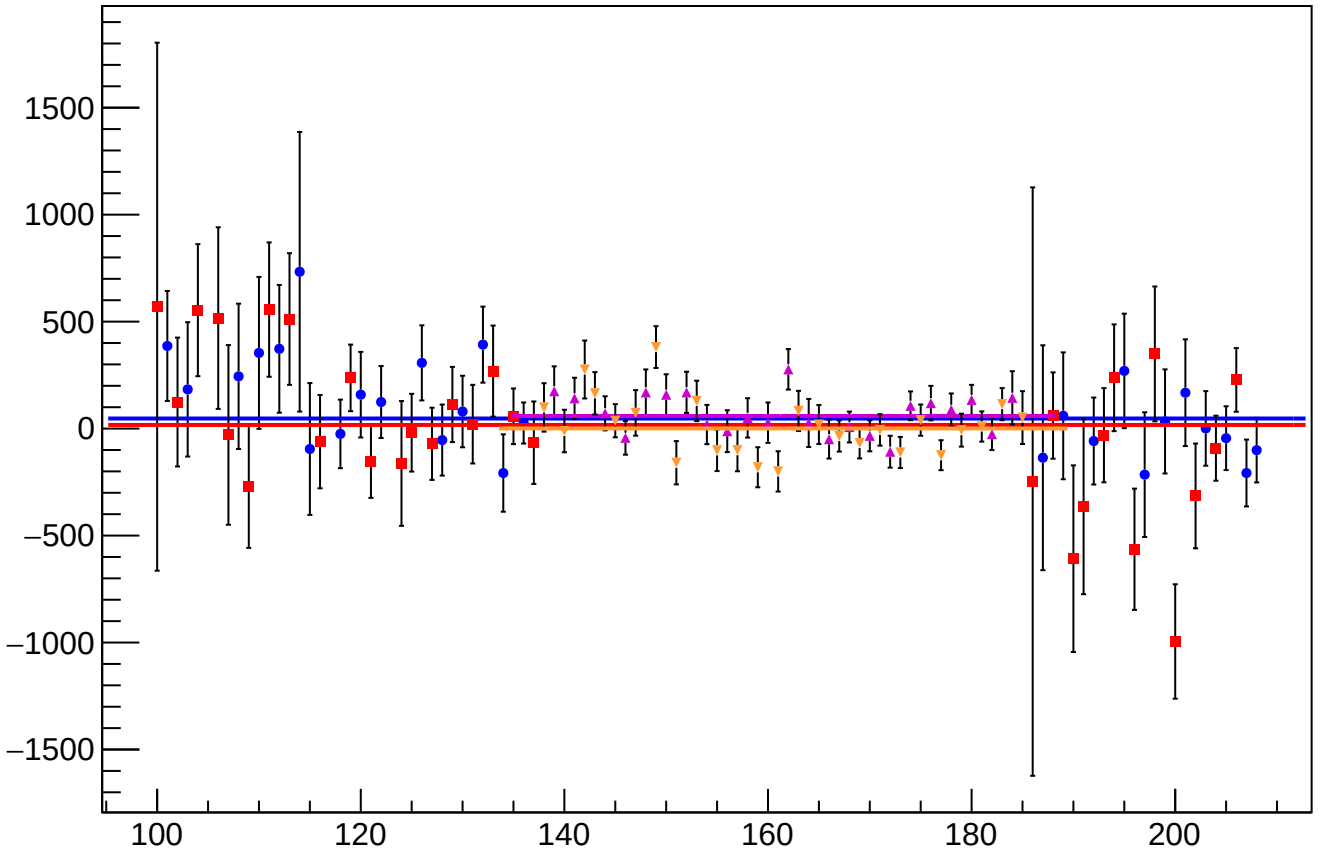
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1422.321+/-0.188 χ^2/NDF: 6721181.7/57

In: 515.640+/-0.073 χ^2/NDF:17698699.6/49

Out: 512.315+/-0.072 χ^2/NDF:20158518.6/55

All: 513.952+/-0.051 χ^2/NDF: 37858271.7/10



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 17.107+/-39.980 χ^2/NDF: 45.0/30

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

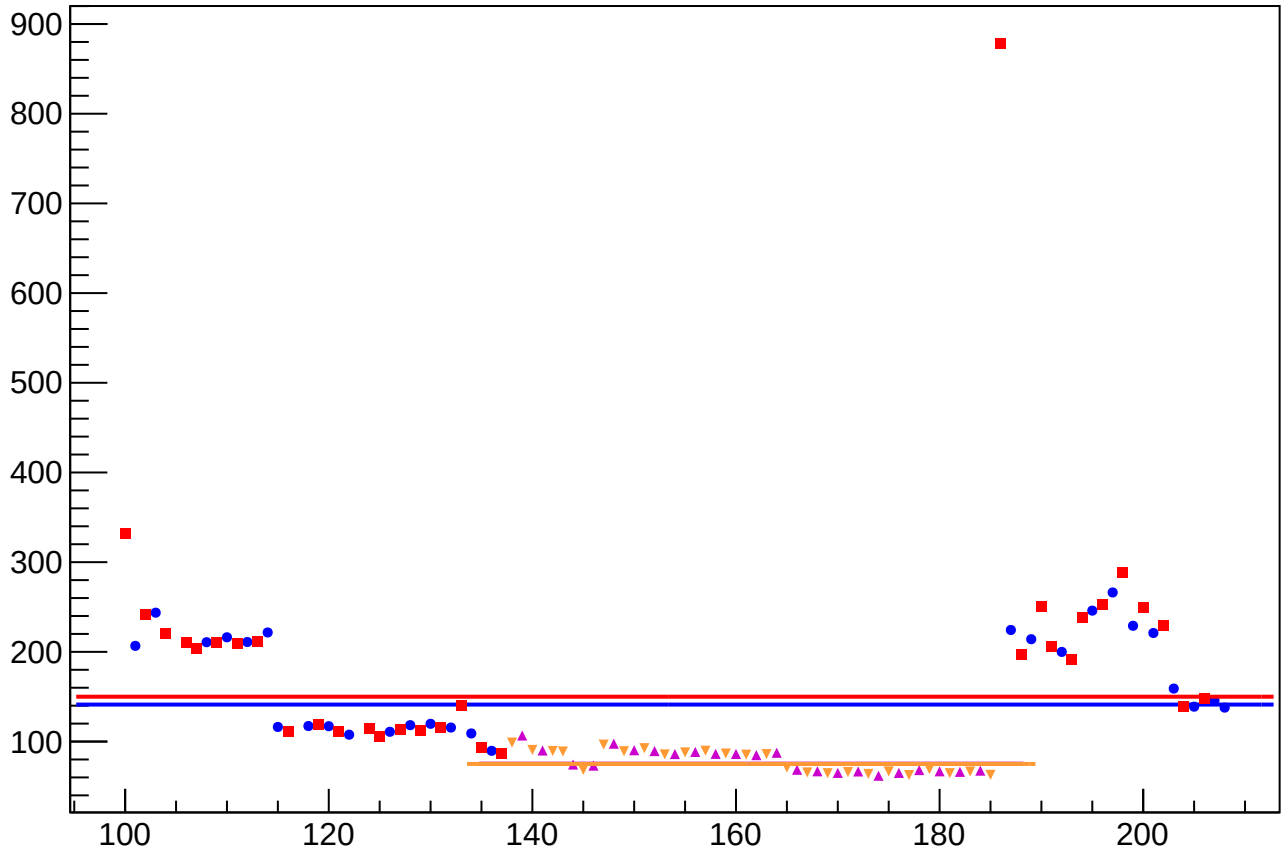
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 32.979+/-27.450 χ^2/NDF: 66.1/57

In: 56.748+/-16.159 χ^2/NDF:46.8/49

Out: 3.206+/-15.892 χ^2/NDF:93.7/55

All: 29.532+/-11.331 χ^2/NDF: 146.0/105



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

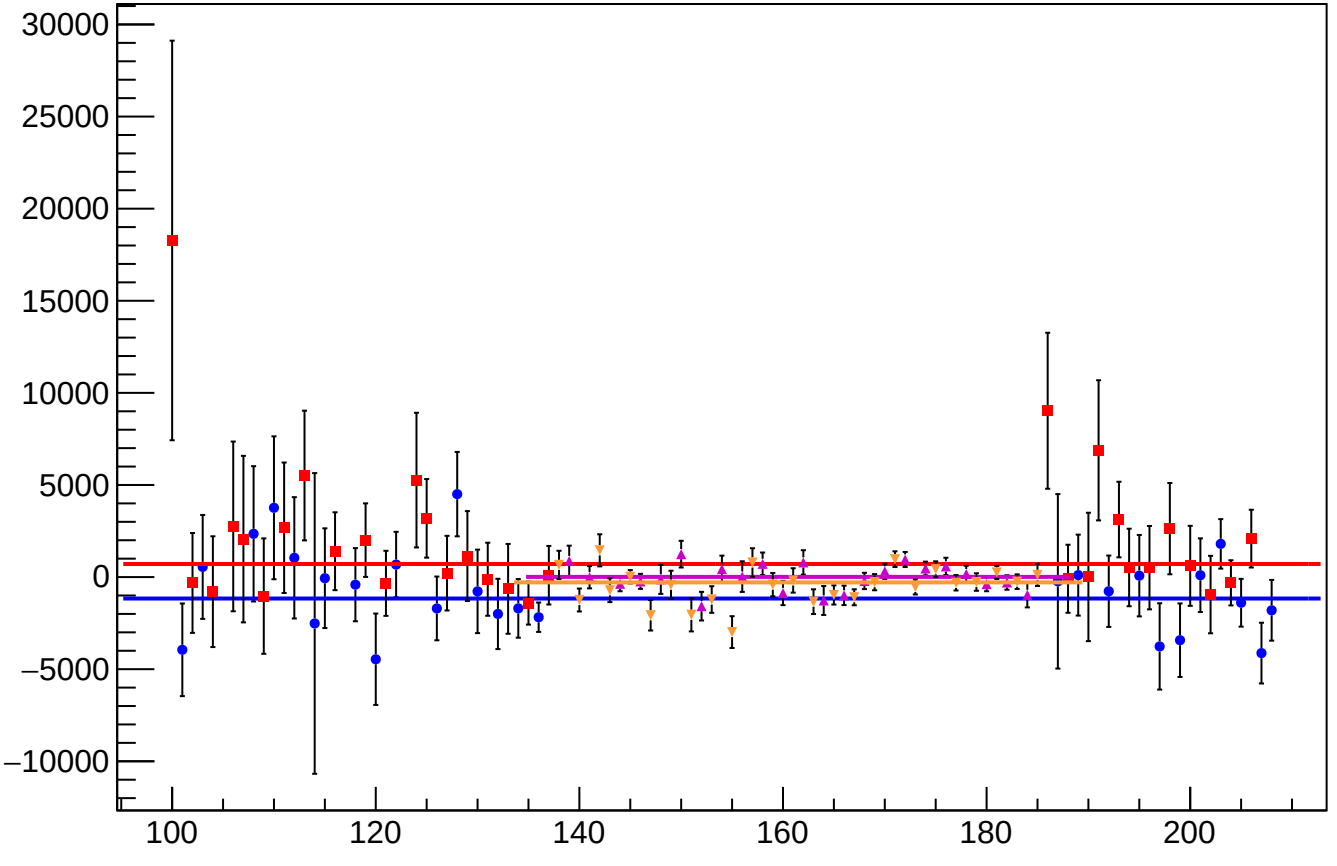
Right: 145.364+/-0.019 χ^2/NDF: 7373421.5/57

In: 87.419+/-0.011 χ^2/NDF:8948736.4/49

Out: 86.885+/-0.011 χ^2/NDF:11032628.6/55

All: 87.148+/-0.008 χ^2/NDF: 19982475.2/105

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 710.820+/-392.246 χ^2/NDF: 24.4/30

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

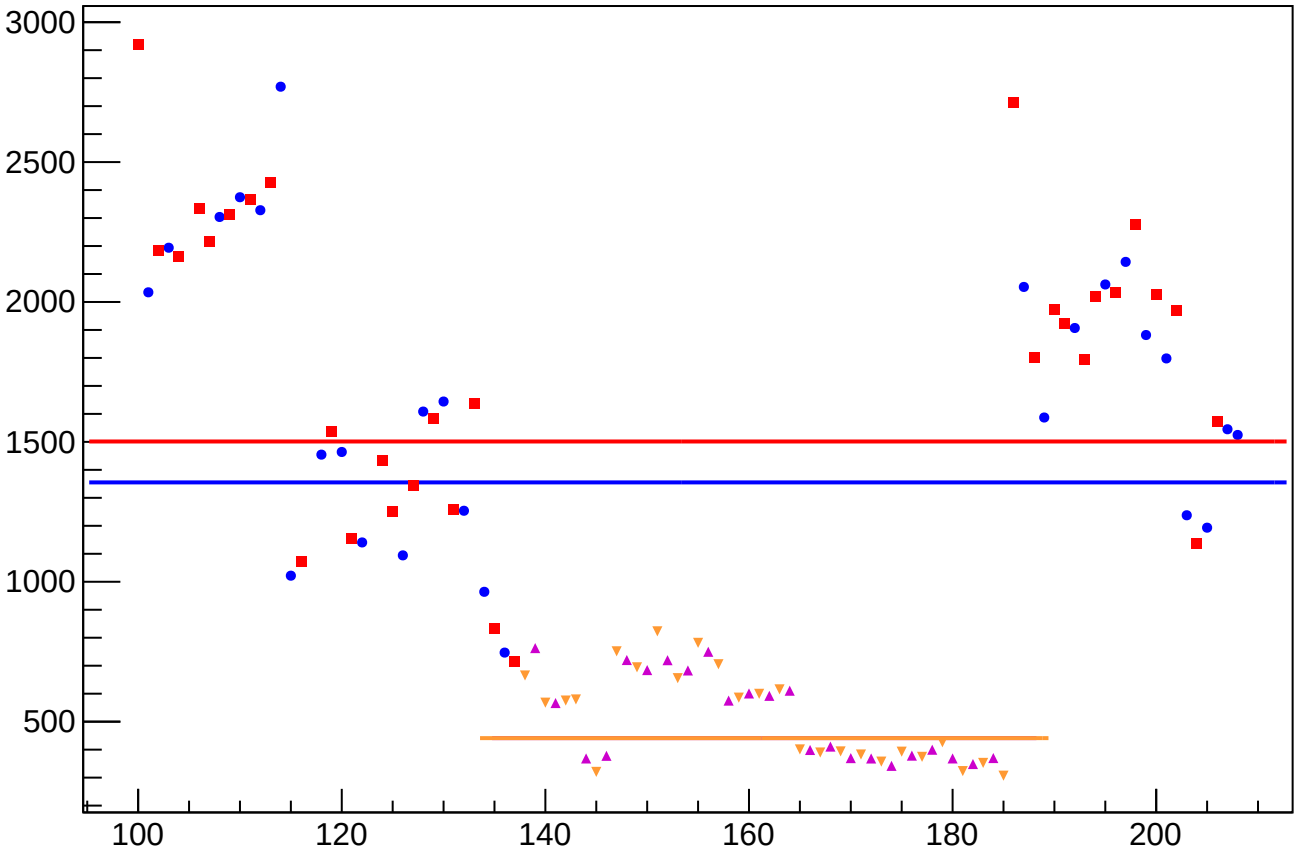
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -302.834+/-265.852 χ^2/NDF: 64.6/57

In: -85.045+/-103.191 χ^2/NDF:71.0/49

Out: -221.012+/-101.637 χ^2/NDF:83.7/55

All: -154.060+/-72.412 χ^2/NDF: 155.6/105



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

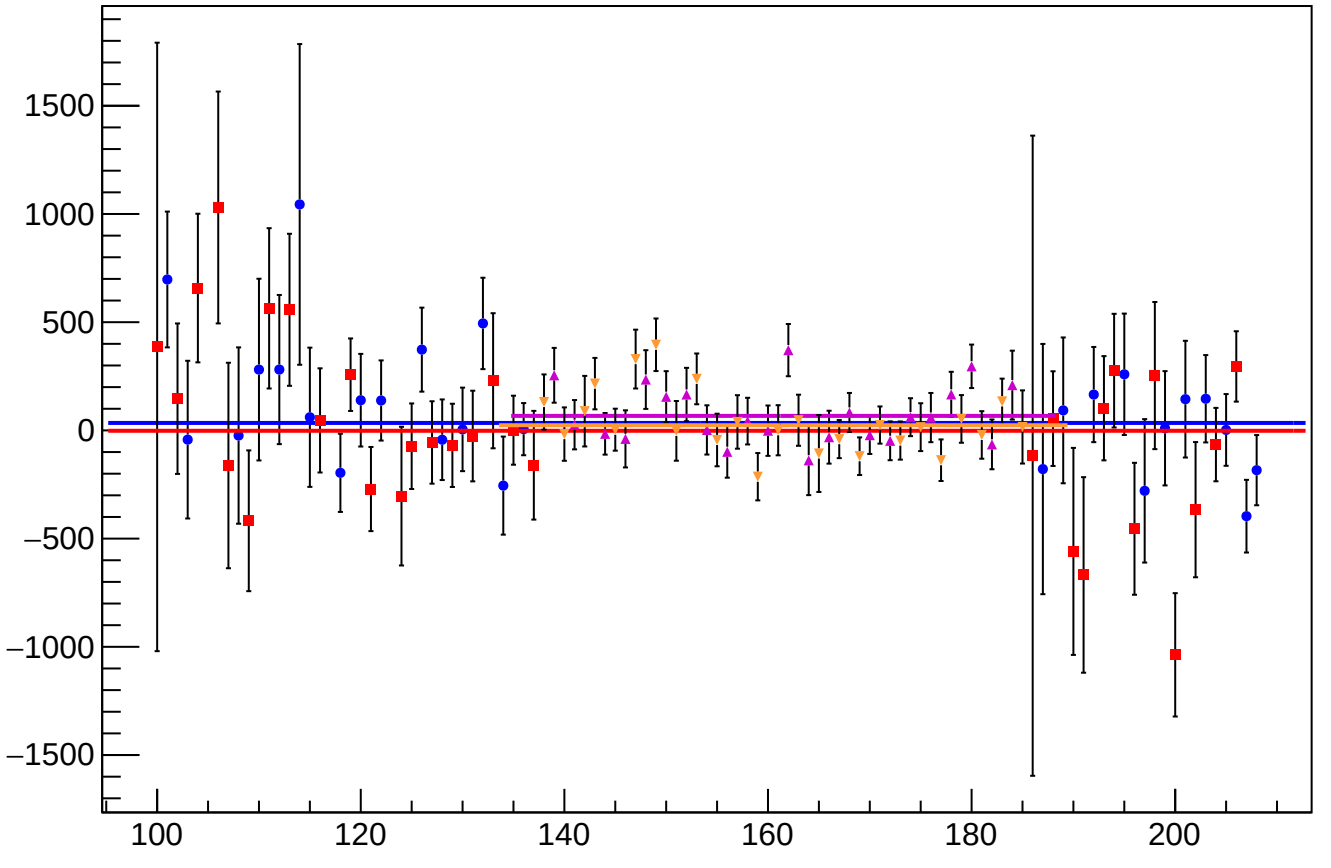
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1422.321+/-0.188 χ^2/NDF: 6721181.7/57

In: 515.640+/-0.073 χ^2/NDF:17698699.6/49

Out: 512.315+/-0.072 χ^2/NDF:20158518.6/55

All: 513.952+/-0.051 χ^2/NDF: 37858271.7/10



Right In: 34.516+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -1.687+/-45.428 χ^2/NDF: 46.5/30

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

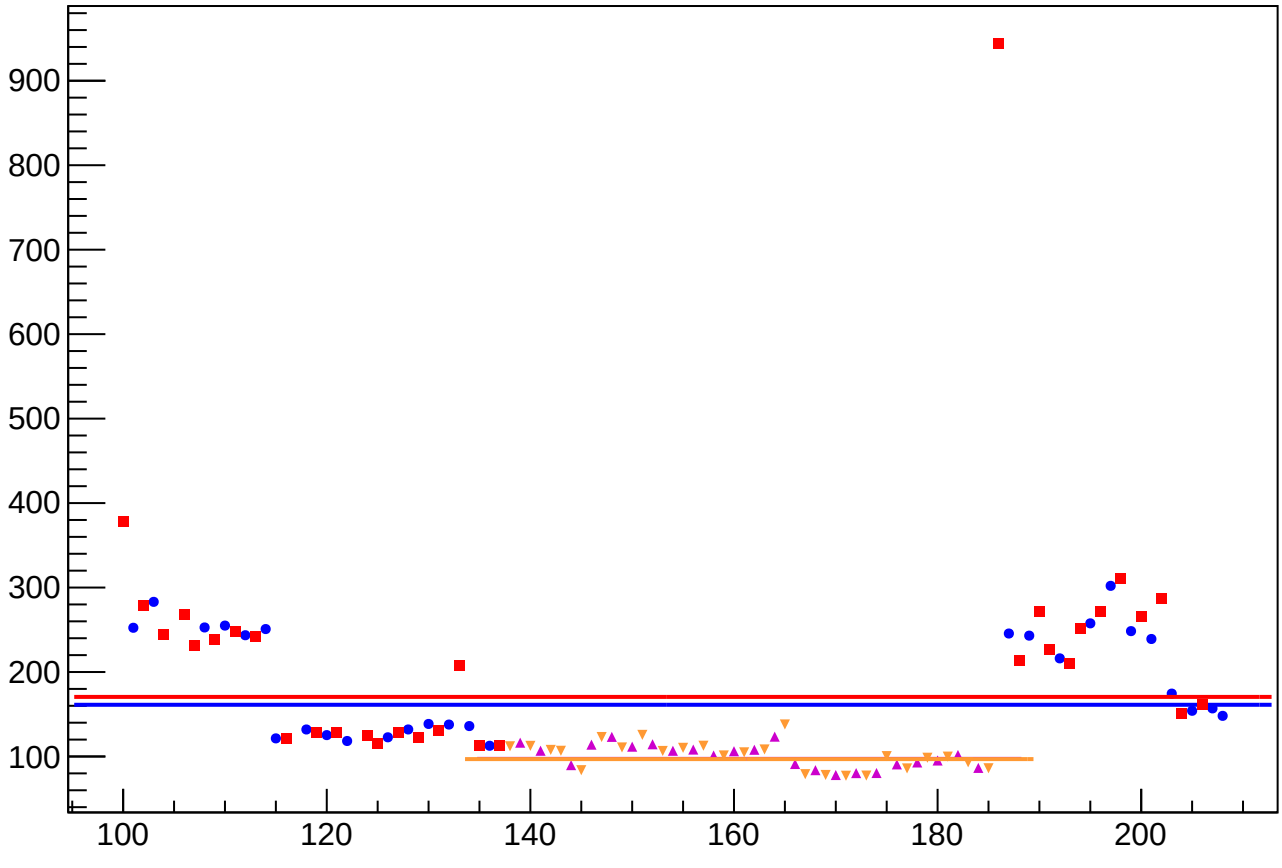
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 17.406+/-31.230 χ^2/NDF: 76.9/57

In: 59.782+/-20.364 χ^2/NDF:59.2/49

Out: 18.869+/-20.101 χ^2/NDF:82.0/55

All: 39.059+/-14.306 χ^2/NDF: 143.2/105



Right In: 161.212+/-0.030 χ^2/NDF: 2806509.8/26

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 170.535+/-0.032 χ^2/NDF: 3952675.5/30

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

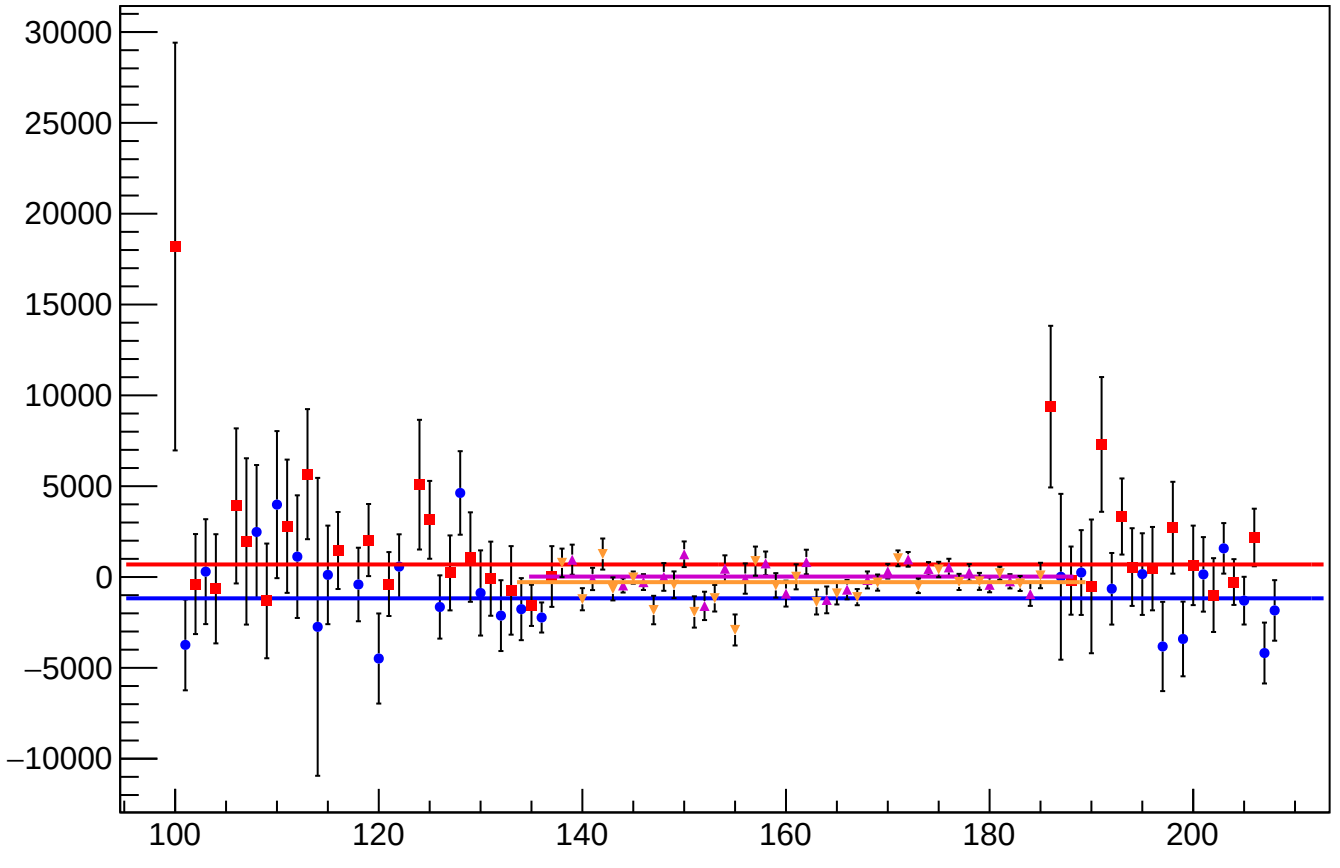
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 165.618+/-0.022 χ^2/NDF: 6803608.7/57

In: 111.529+/-0.014 χ^2/NDF:6922148.6/49

Out: 111.322+/-0.014 χ^2/NDF:9111832.9/55

All: 111.424+/-0.010 χ^2/NDF: 16034085.5/10



Right In: -1173.033+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 691.696+/-395.365 χ^2/NDF: 26.3/30

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

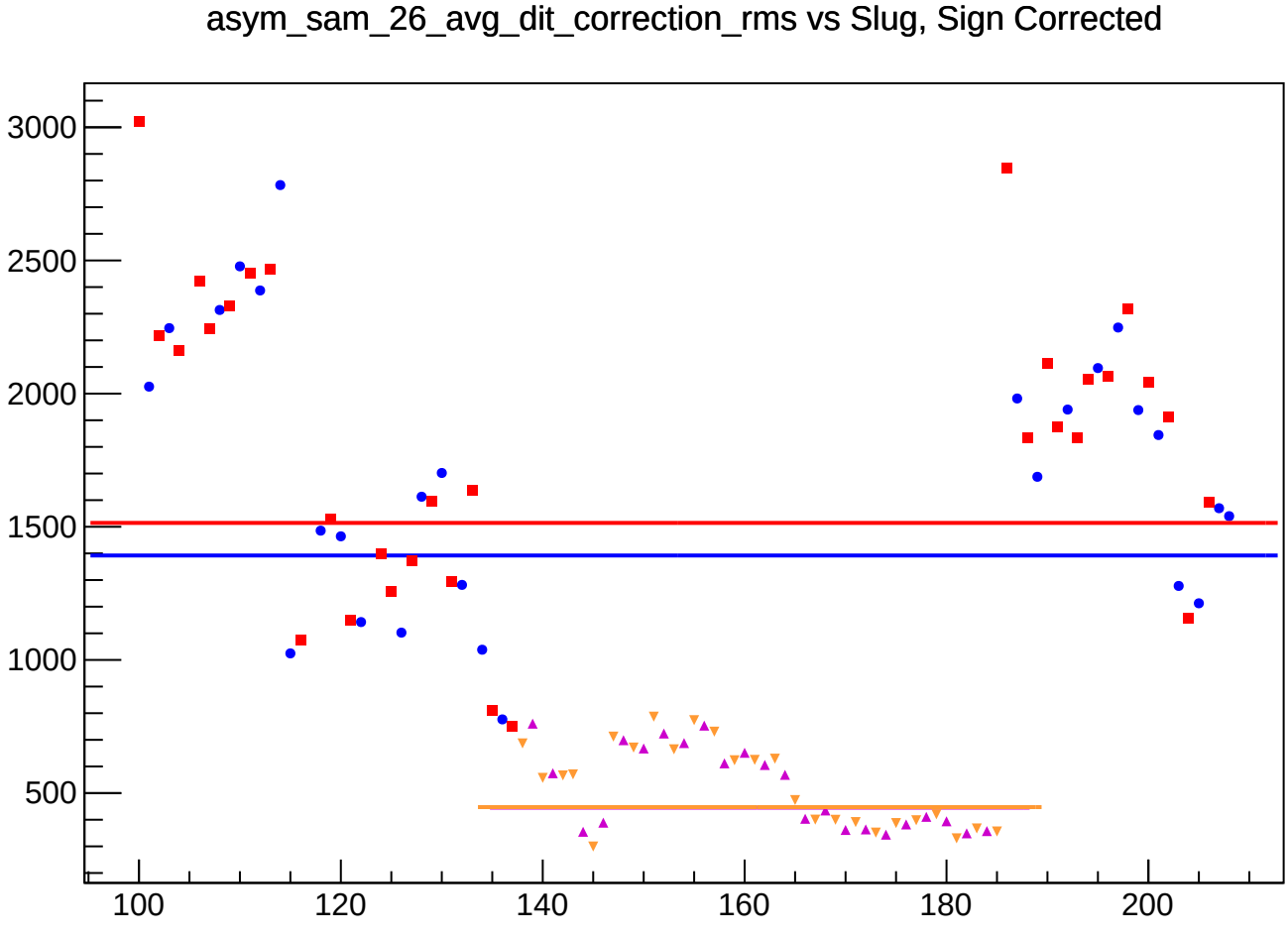
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -300.890+/-270.386 χ^2/NDF: 65.0/57

In: -70.541+/-104.468 χ^2/NDF:69.5/49

Out: -216.643+/-102.739 χ^2/NDF:82.3/55

All: -144.811+/-73.251 χ^2/NDF: 152.8/105



Right In: 1392.195+/-0.262 χ^2/NDF: 3178371.0/26

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393518.9/30

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

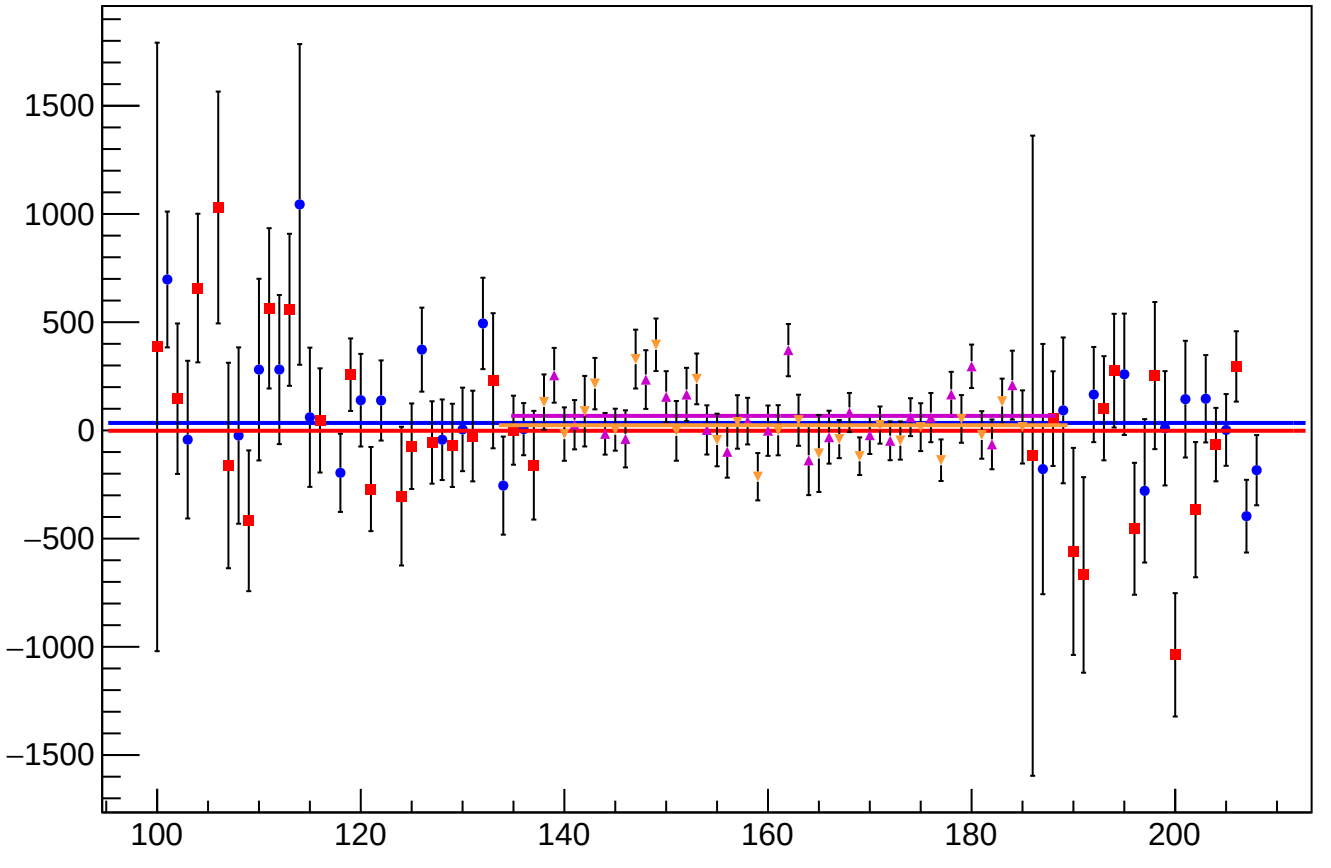
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1449.406+/-0.191 χ^2/NDF: 6673793.8/57

In: 520.717+/-0.074 χ^2/NDF:17905589.2/49

Out: 519.446+/-0.073 χ^2/NDF:20177712.9/55

All: 520.071+/-0.052 χ^2/NDF: 38083452.6/10



Right In: 34.519+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -1.686+/-45.428 χ^2/NDF: 46.5/30

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

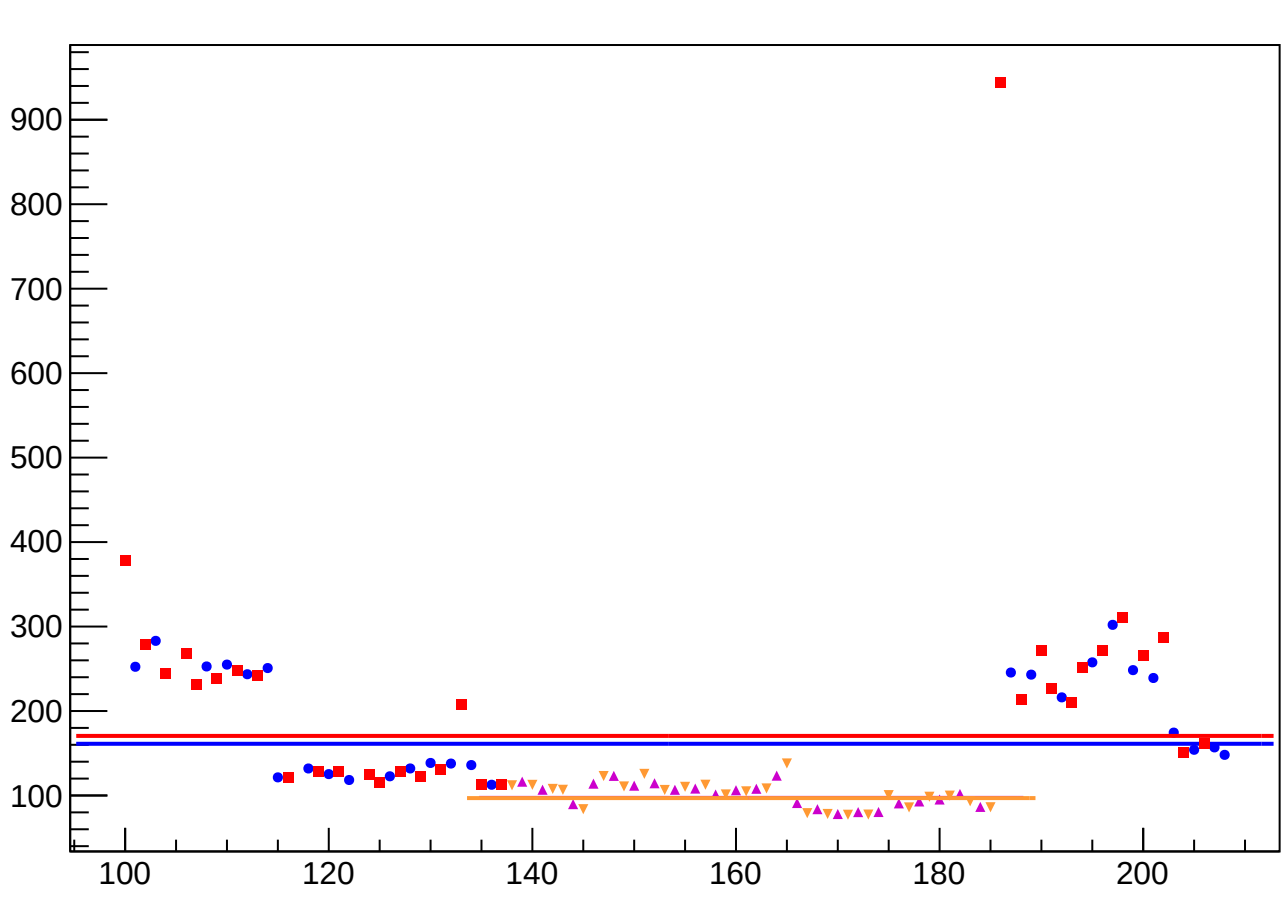
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 17.408+/-31.230 χ^2/NDF: 76.9/57

In: 59.783+/-20.364 χ^2/NDF:59.2/49

Out: 18.868+/-20.101 χ^2/NDF:82.0/55

All: 39.059+/-14.306 χ^2/NDF: 143.2/105



Right In: 161.211+/-0.030 χ^2/NDF: 2806518.2/26

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 170.535+/-0.032 χ^2/NDF: 3952679.9/30

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

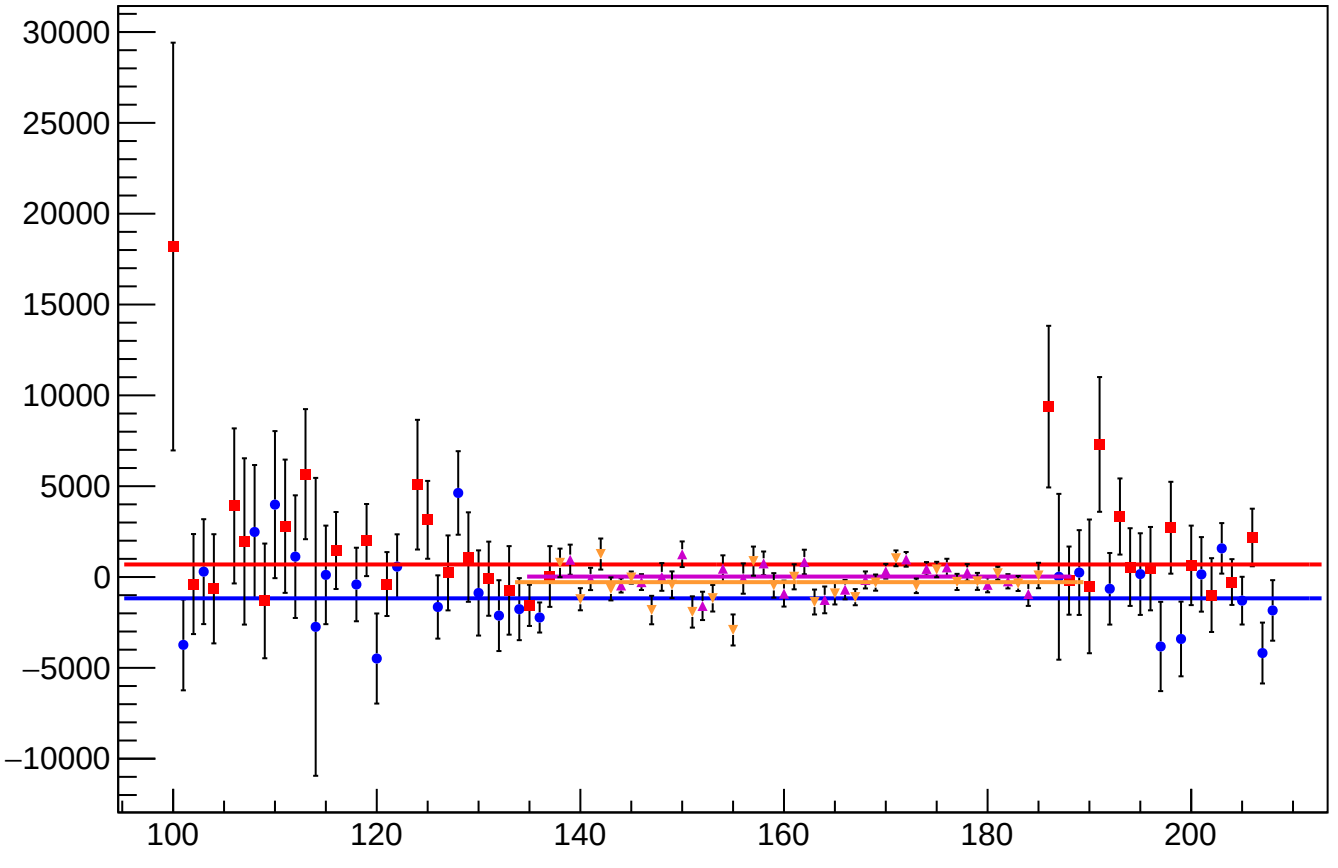
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

Right: 165.618+/-0.022 χ^2/NDF: 6803624.1/57

In: 111.529+/-0.014 χ^2/NDF:6922062.5/49

Out: 111.322+/-0.014 χ^2/NDF:9111778.9/55

All: 111.424+/-0.010 χ^2/NDF: 16033945.4/10



Right In: -1173.031+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 691.698+/-395.365 χ^2/NDF: 26.3/30

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

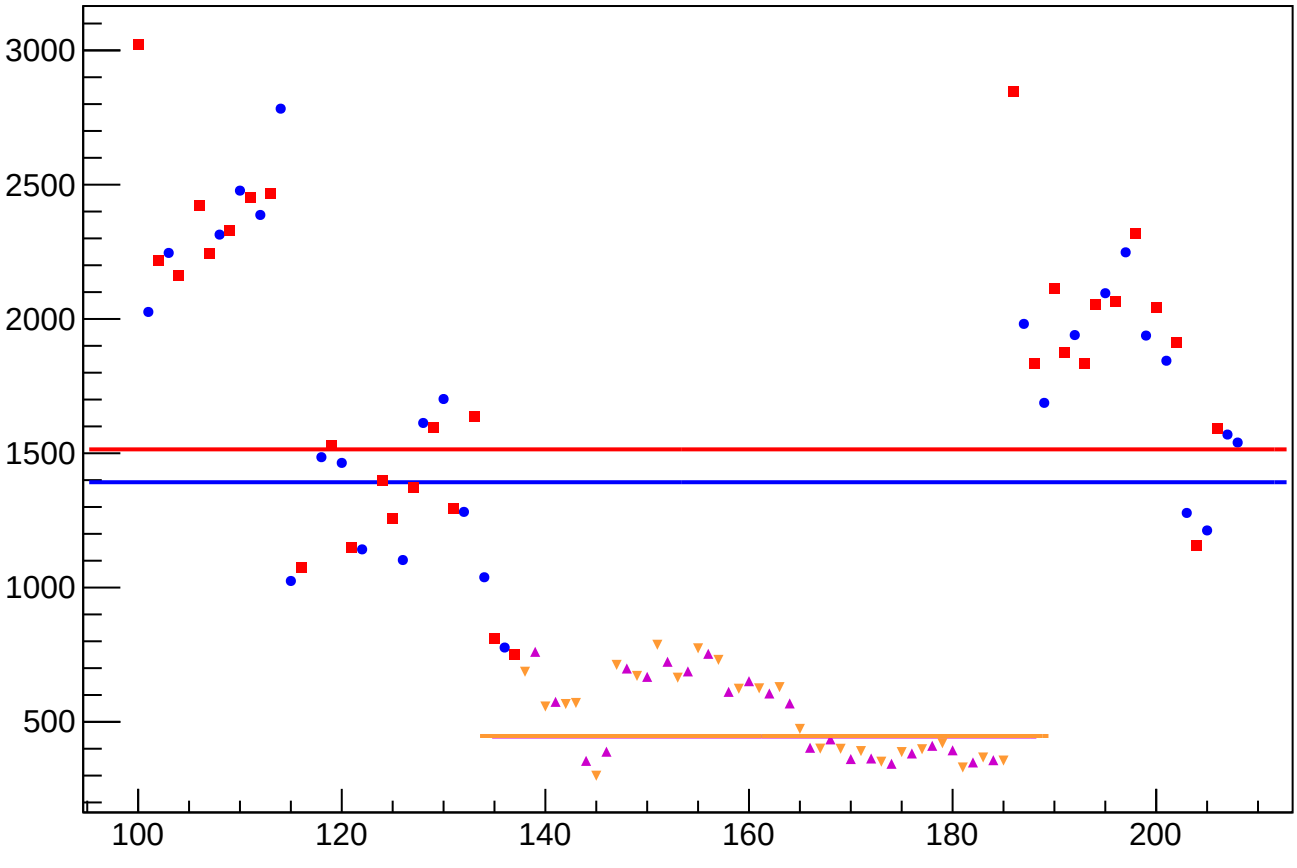
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -300.888+/-270.386 χ^2/NDF: 65.0/57

In: -70.541+/-104.468 χ^2/NDF:69.5/49

Out: -216.642+/-102.739 χ^2/NDF:82.3/55

All: -144.810+/-73.251 χ^2/NDF: 152.8/105



Right In: 1392.196+/-0.262 χ^2/NDF: 3178350.9/26

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393502.1/30

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

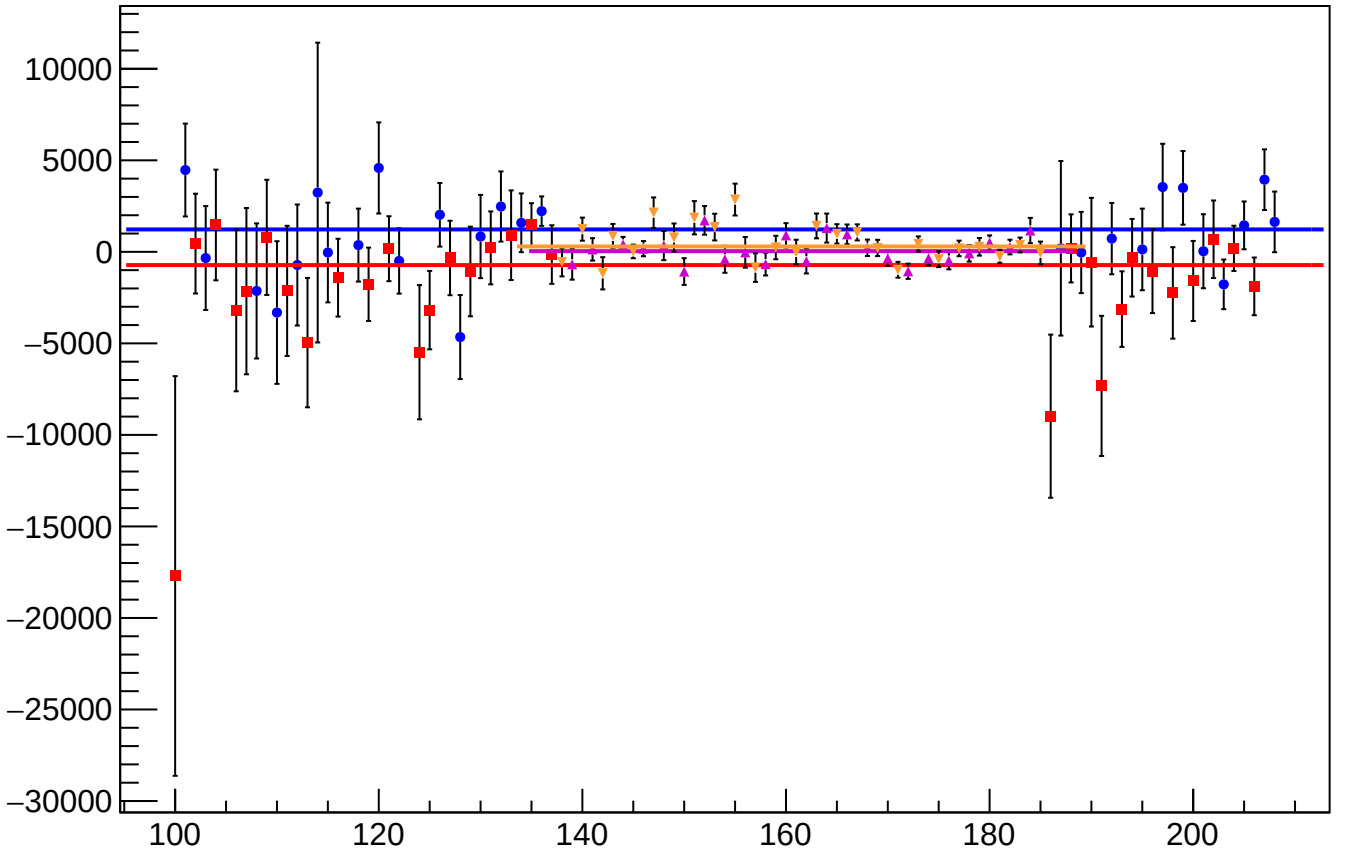
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1449.406+/-0.191 χ^2/NDF: 6673756.6/57

In: 520.716+/-0.074 χ^2/NDF:17905599.8/49

Out: 519.445+/-0.073 χ^2/NDF:20177740.7/55

All: 520.070+/-0.052 χ^2/NDF: 38083491.1/10



Right In: 1224.778+/-364.021 χ^2/NDF: 27.4/26

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -723.589+/-394.598 χ^2/NDF: 23.5/30

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

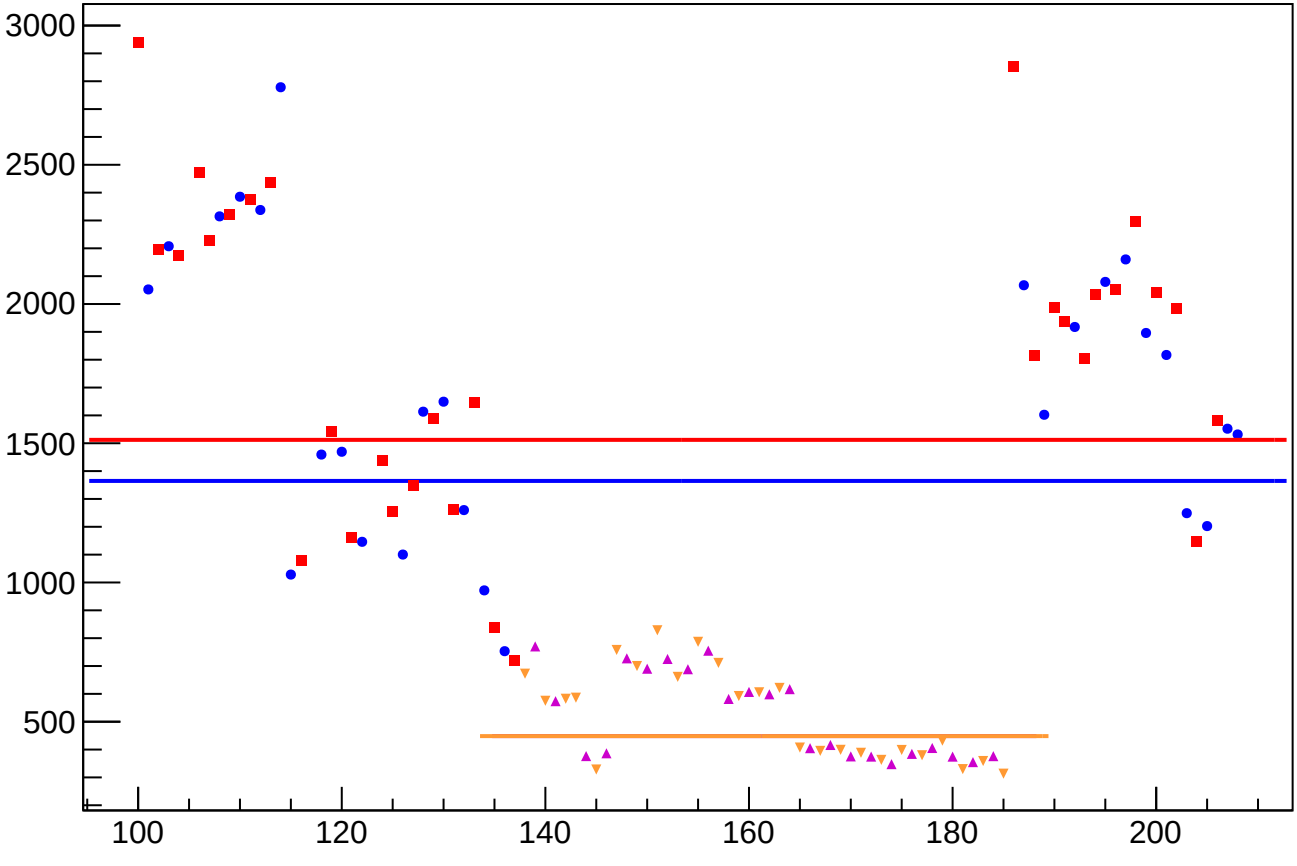
Right: 328.999+/-267.559 χ^2/NDF: 64.1/57

In: 136.268+/-104.697 χ^2/NDF:70.1/49

Out: 225.471+/-103.100 χ^2/NDF:80.2/55

All: 181.555+/-73.461 χ^2/NDF: 150.7/105

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1364.682+/-0.257 χ^2/NDF: 3266772.3/26

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1512.161+/-0.279 χ^2/NDF: 3340253.6/30

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

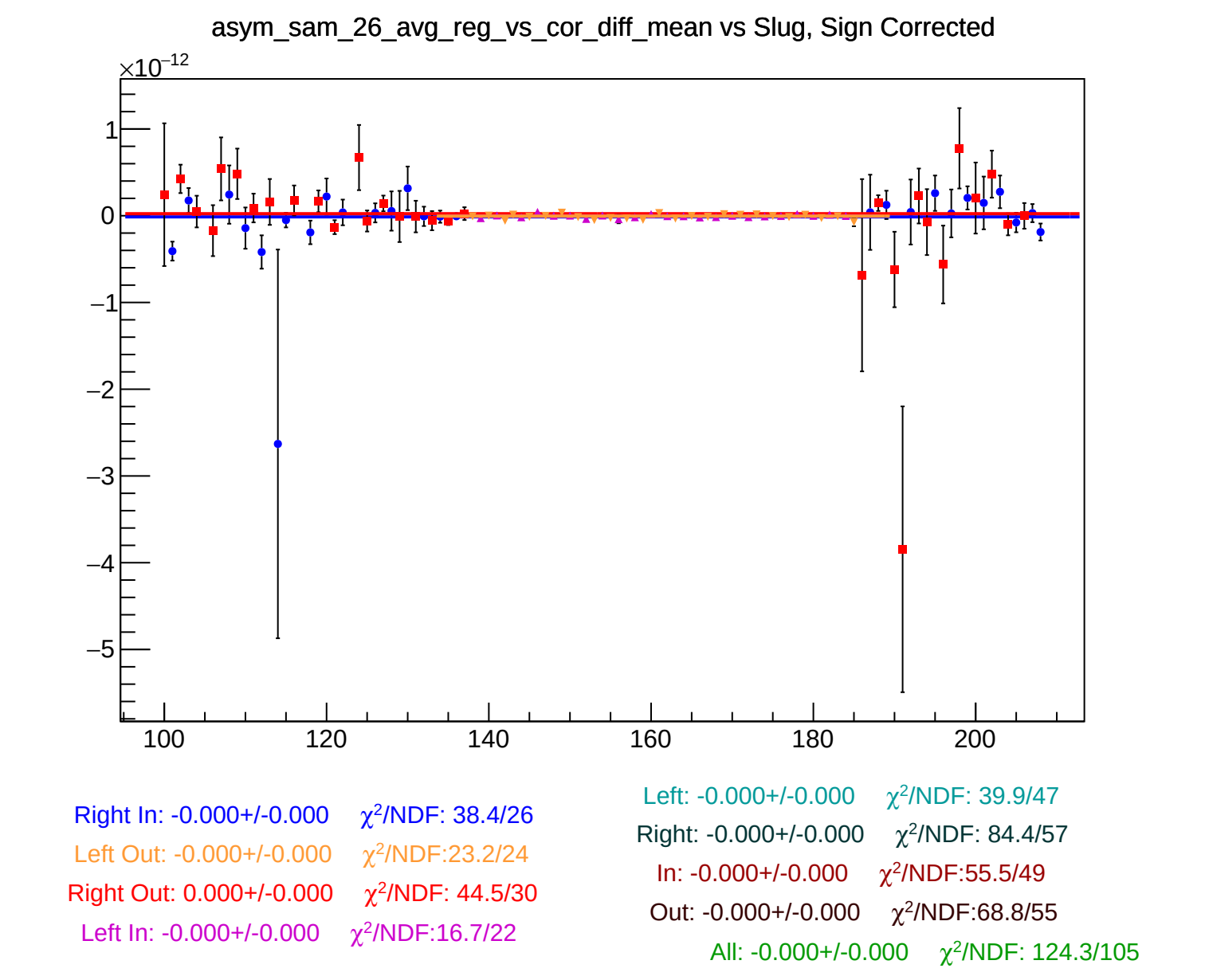
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

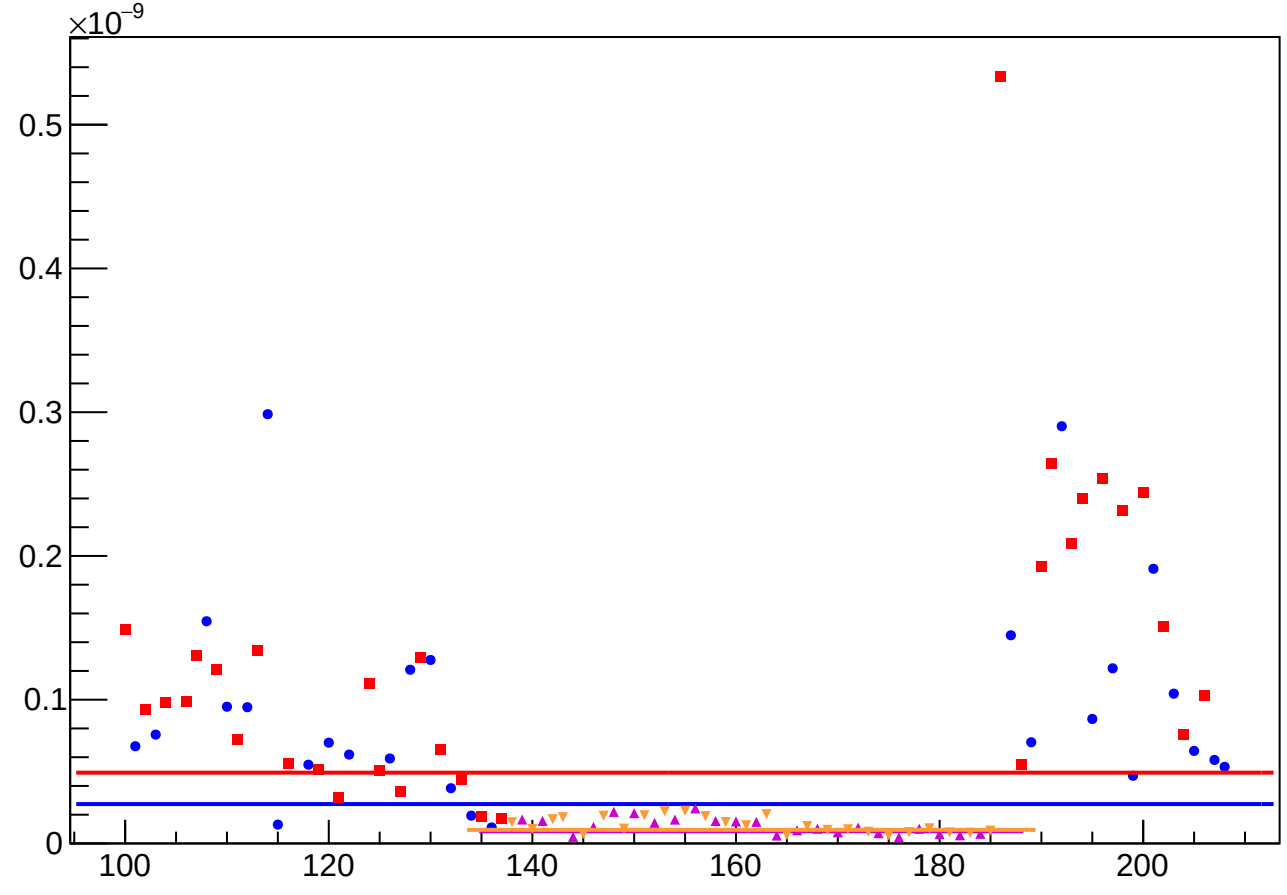
Right: 1432.486+/-0.189 χ^2/NDF: 6757953.0/57

In: 524.192+/-0.074 χ^2/NDF:17511106.9/49

Out: 520.905+/-0.073 χ^2/NDF:20042793.3/55

All: 522.524+/-0.052 χ^2/NDF: 37554901.1/10


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 38.4/26
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.5/30
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: -0.000+/-0.000 χ²/NDF: 84.4/57
In: -0.000+/-0.000 χ²/NDF:55.5/49
Out: -0.000+/-0.000 χ²/NDF:68.8/55
All: -0.000+/-0.000 χ²/NDF: 124.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 6797225.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5811931.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

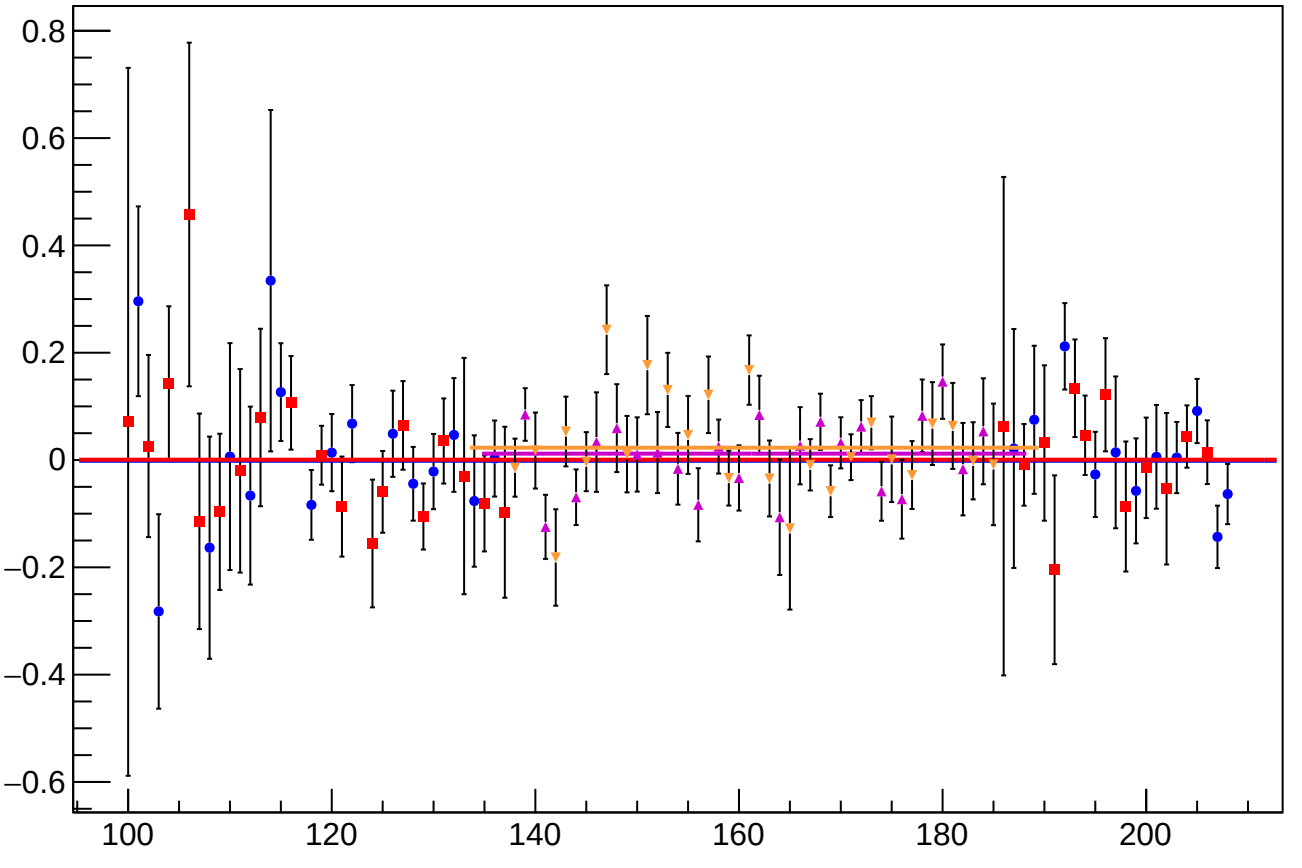
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13666708.2/57

In: 0.000+/-0.000 χ^2/NDF:11998052.7/49

Out: 0.000+/-0.000 χ^2/NDF:13165606.8/55

All: 0.000+/-0.000 χ^2/NDF: 25238625.5/105



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.3/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

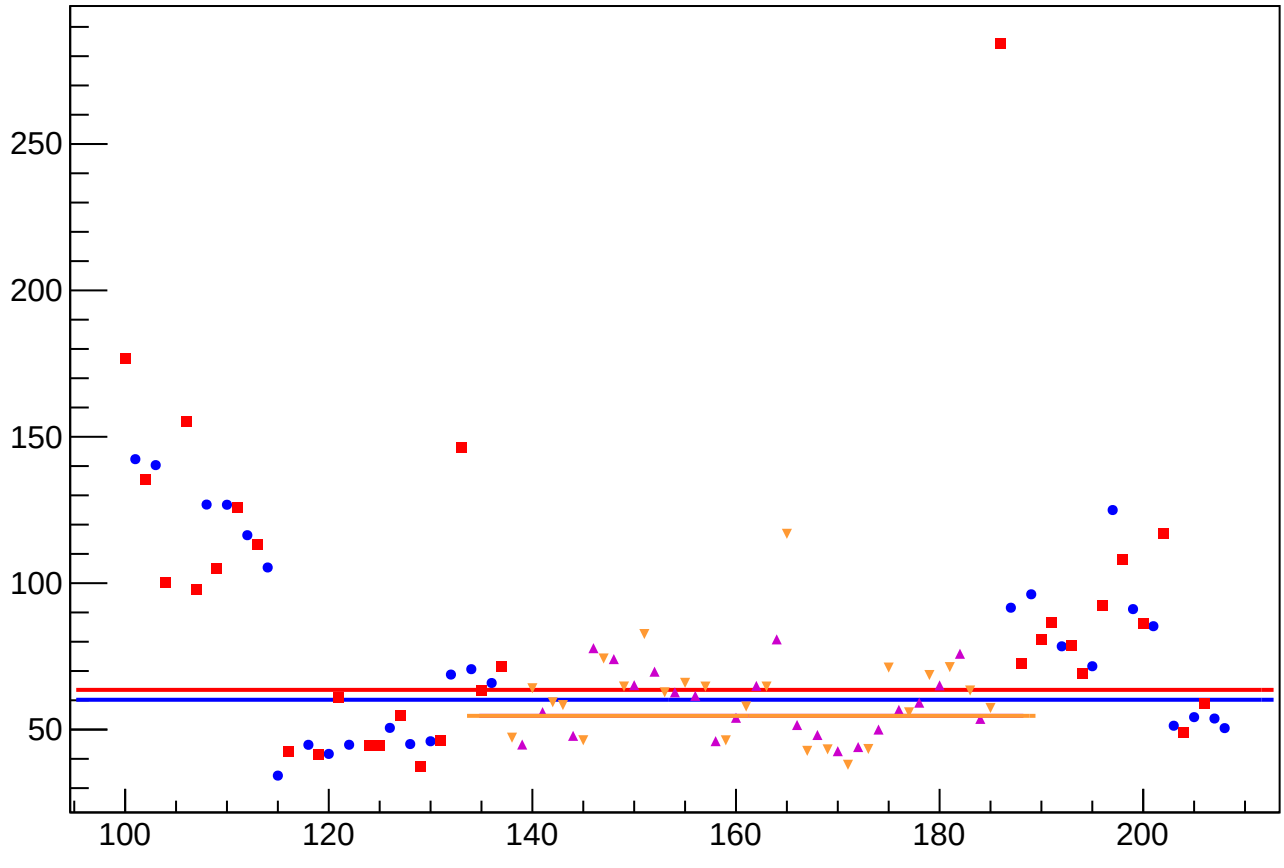
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.000+/-0.012 χ^2/NDF: 50.8/57

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.011+/-0.007 χ^2/NDF: 112.6/105



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

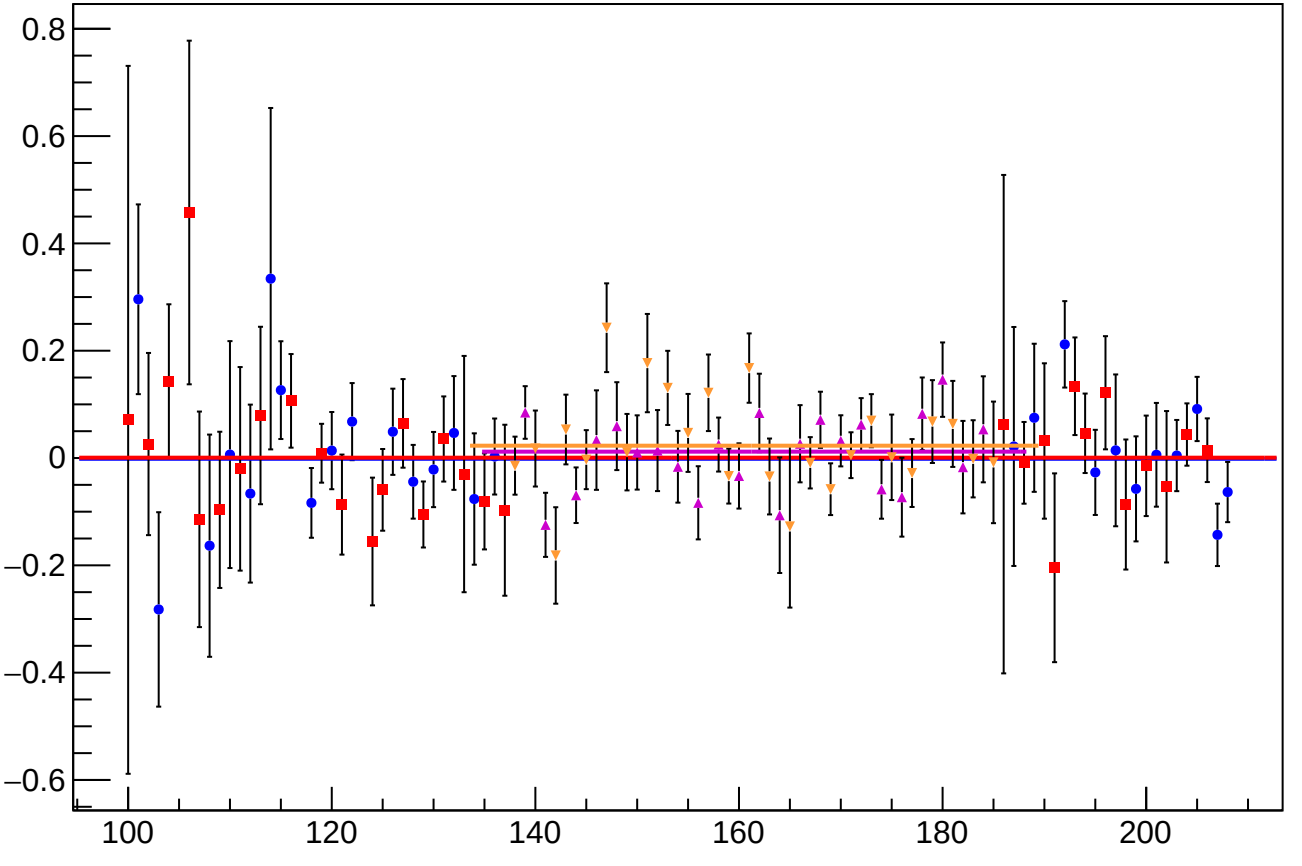
Right: 61.789+/-0.009 χ^2/NDF: 7790505.2/57

In: 56.812+/-0.007 χ^2/NDF:4782587.6/49

Out: 57.822+/-0.007 χ^2/NDF:6561737.4/55

All: 57.317+/-0.005 χ^2/NDF: 11353778.8/105

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.3/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

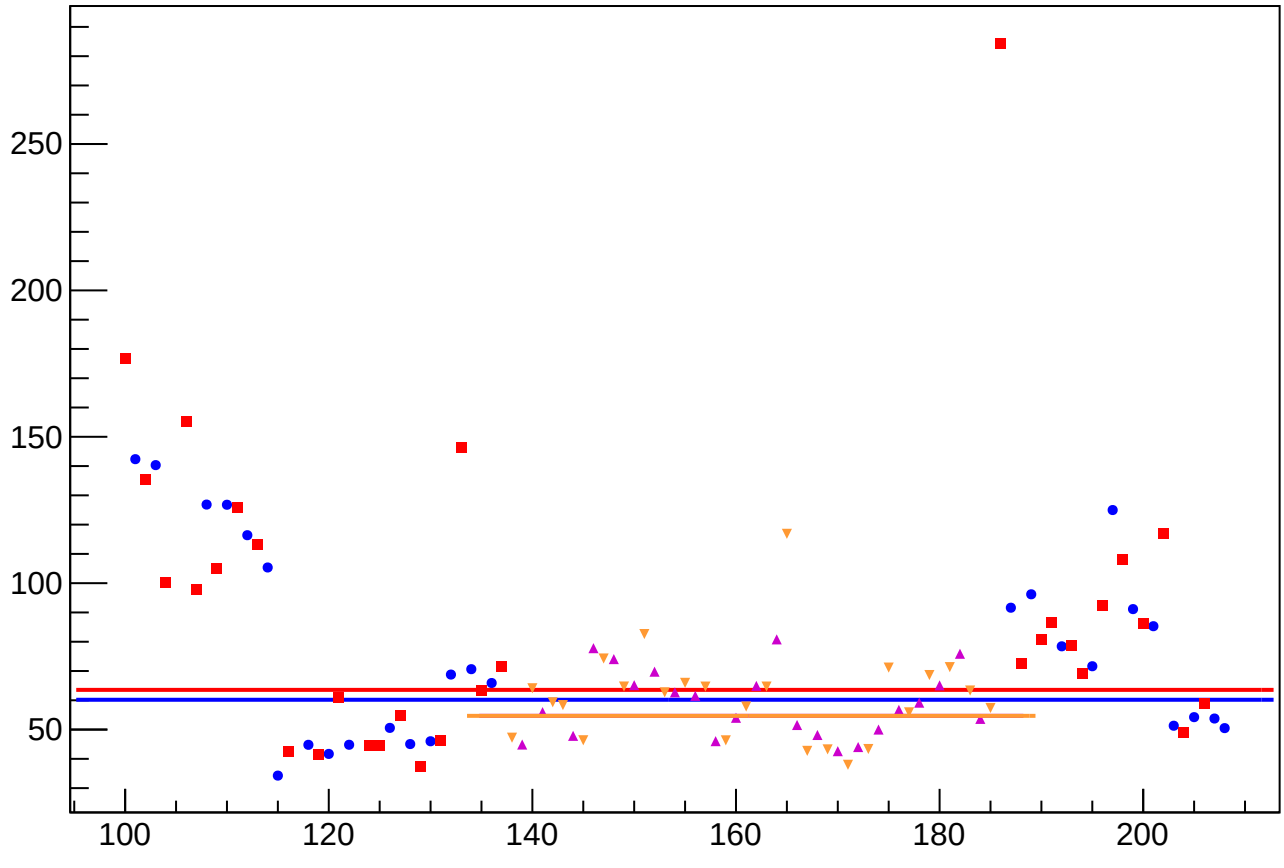
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.000+/-0.012 χ^2/NDF: 50.8/57

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.011+/-0.007 χ^2/NDF: 112.6/105



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

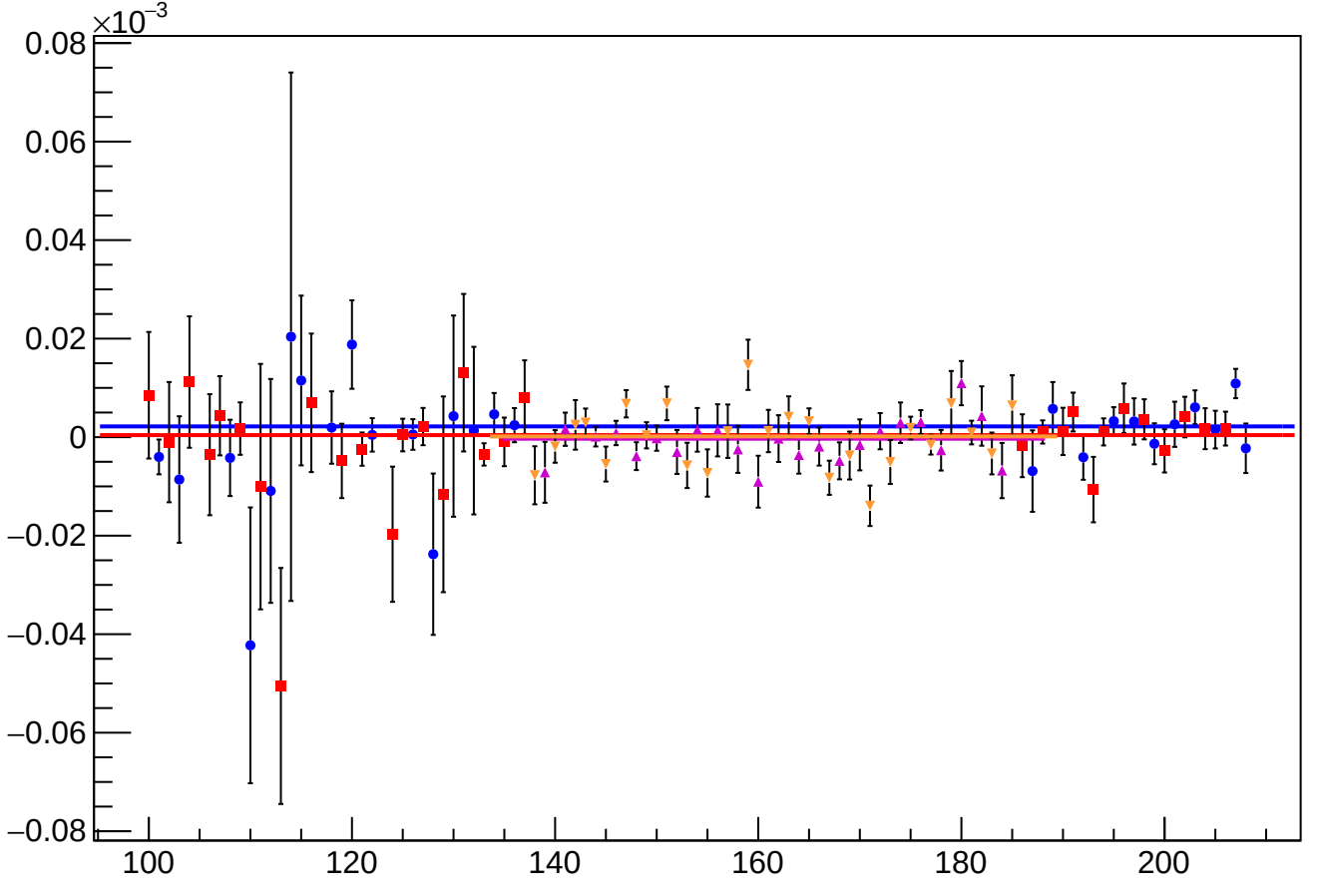
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.789+/-0.009 χ^2/NDF: 7790505.2/57

In: 56.812+/-0.007 χ^2/NDF:4782587.6/49

Out: 57.822+/-0.007 χ^2/NDF:6561737.4/55

All: 57.317+/-0.005 χ^2/NDF: 11353778.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/30

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

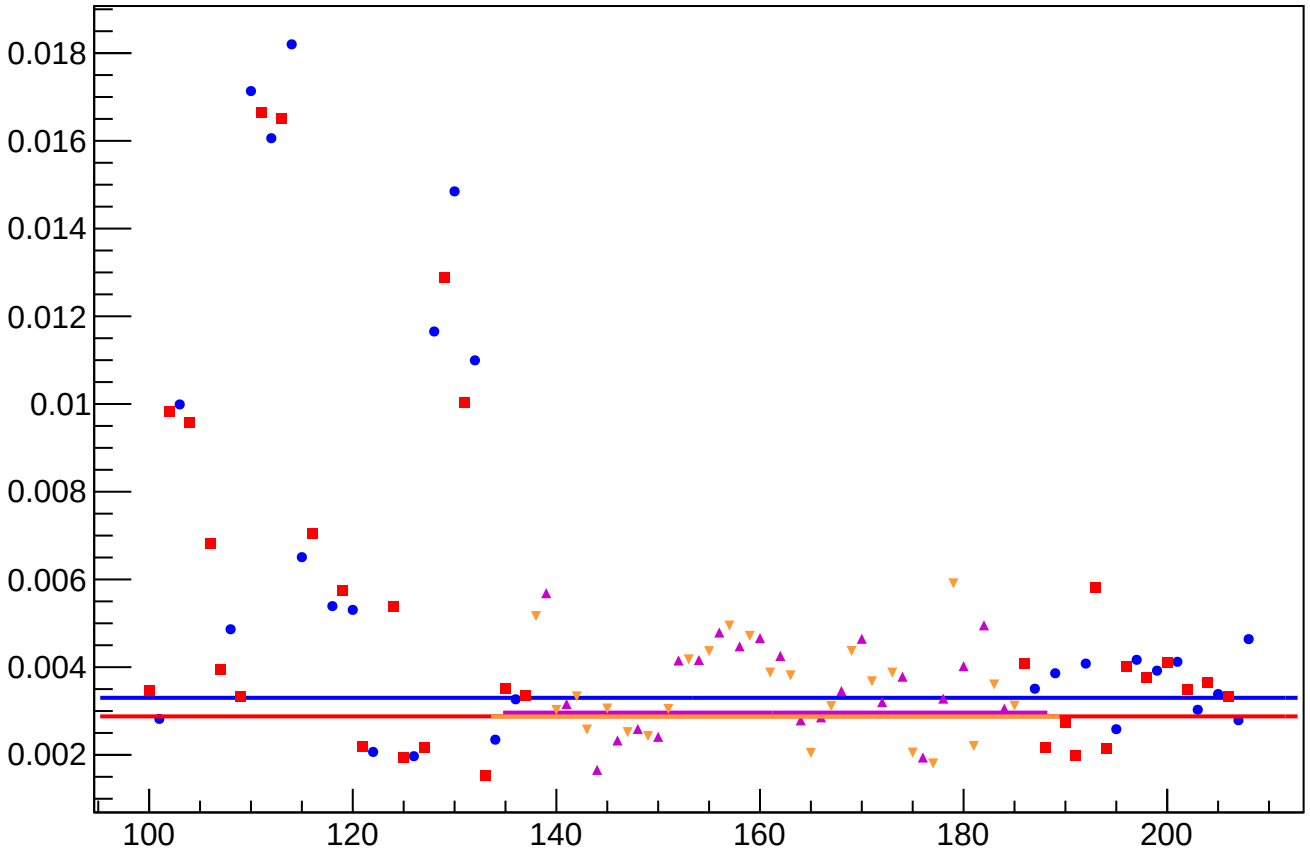
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.4/57

In: 0.000+/-0.000 χ^2/NDF:54.6/49

Out: 0.000+/-0.000 χ^2/NDF:76.7/55

All: 0.000+/-0.000 χ^2/NDF: 131.6/105



Right In: 0.003+/-0.000 χ^2/NDF: 5161210.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6566004.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

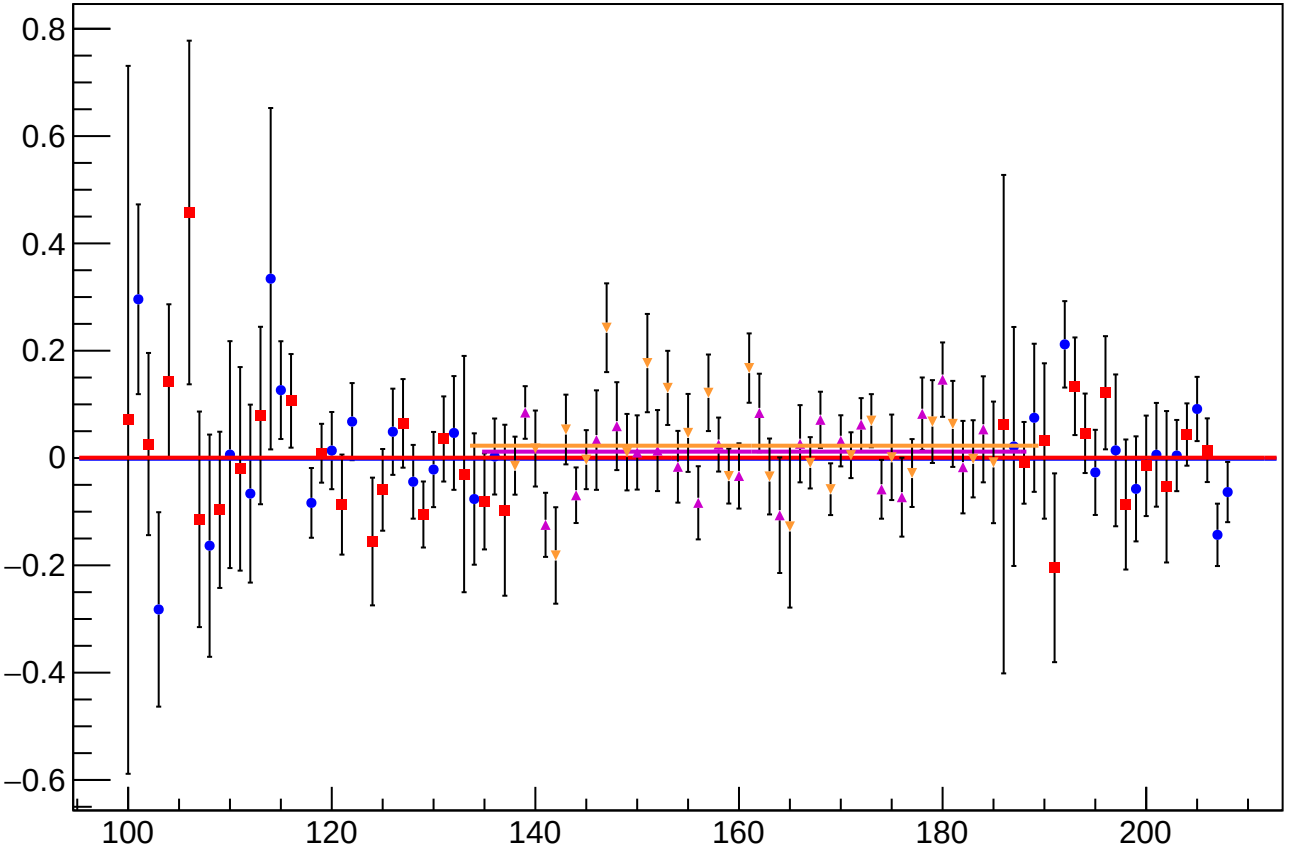
Right: 0.003+/-0.000 χ^2/NDF: 11956425.1/57

In: 0.003+/-0.000 χ^2/NDF:8939401.6/49

Out: 0.003+/-0.000 χ^2/NDF:10168413.5/55

All: 0.003+/-0.000 χ^2/NDF: 19265011.4/105

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

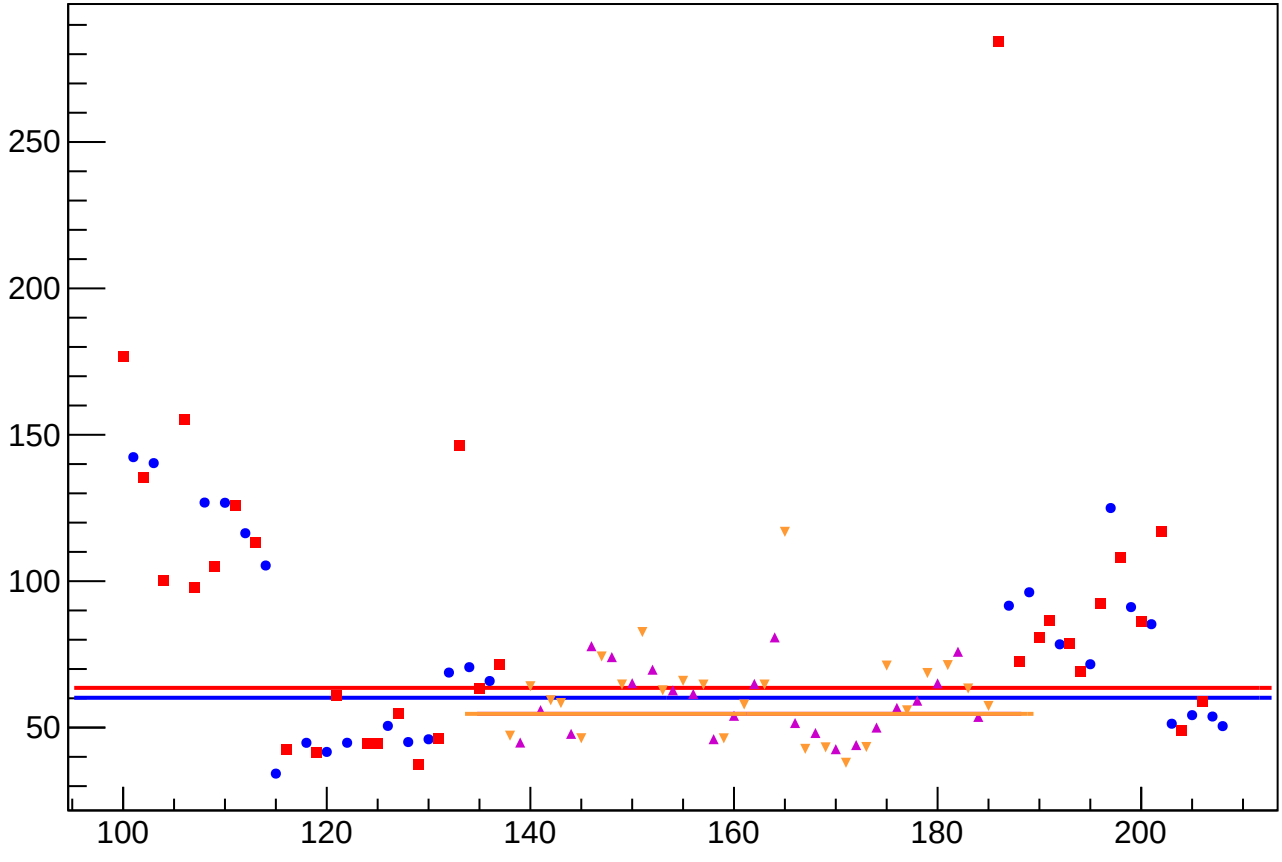
Right: -0.000+/-0.012 χ^2/NDF: 50.8/57

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.011+/-0.007 χ^2/NDF: 112.6/105

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

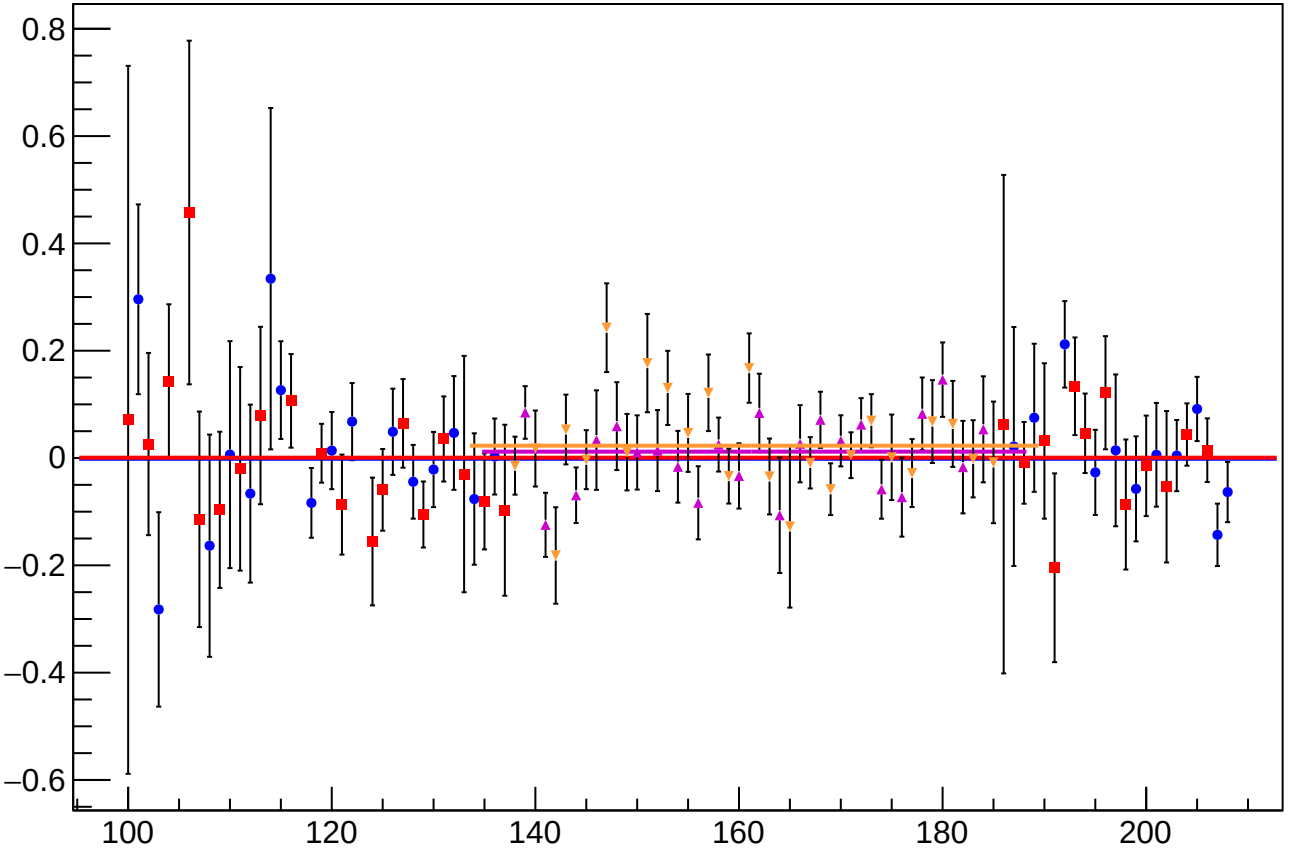
Right: 61.789+/-0.009 χ^2/NDF: 7790480.8/57

In: 56.813+/-0.007 χ^2/NDF:4782493.0/49

Out: 57.823+/-0.007 χ^2/NDF:6561683.8/55

All: 57.317+/-0.005 χ^2/NDF: 11353629.3/105

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

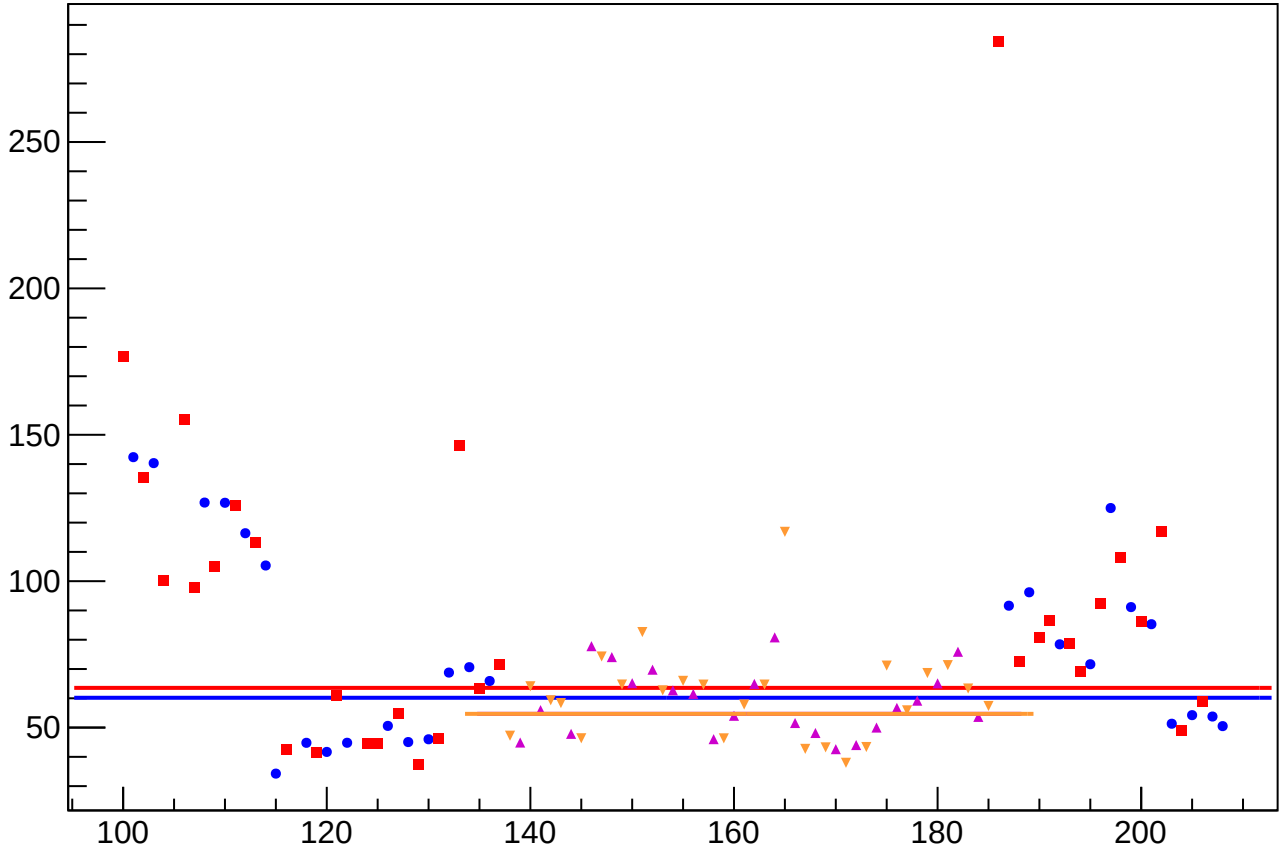
Right: -0.000+/-0.012 χ^2/NDF: 50.8/57

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.011+/-0.007 χ^2/NDF: 112.6/105

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

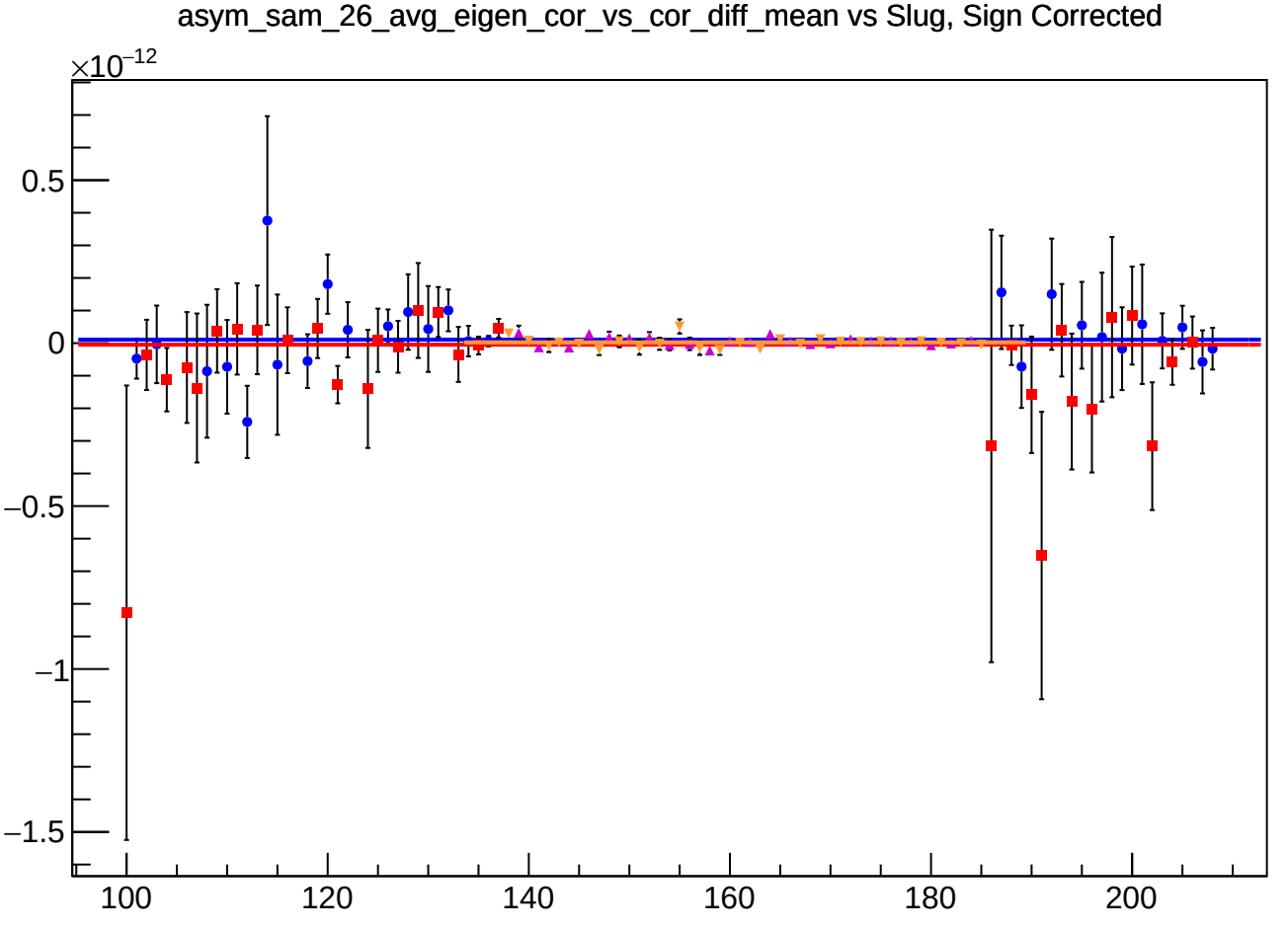
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 61.789+/-0.009 χ^2/NDF: 7790480.8/57

In: 56.813+/-0.007 χ^2/NDF:4782493.0/49

Out: 57.823+/-0.007 χ^2/NDF:6561683.8/55

All: 57.317+/-0.005 χ^2/NDF: 11353629.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/30

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

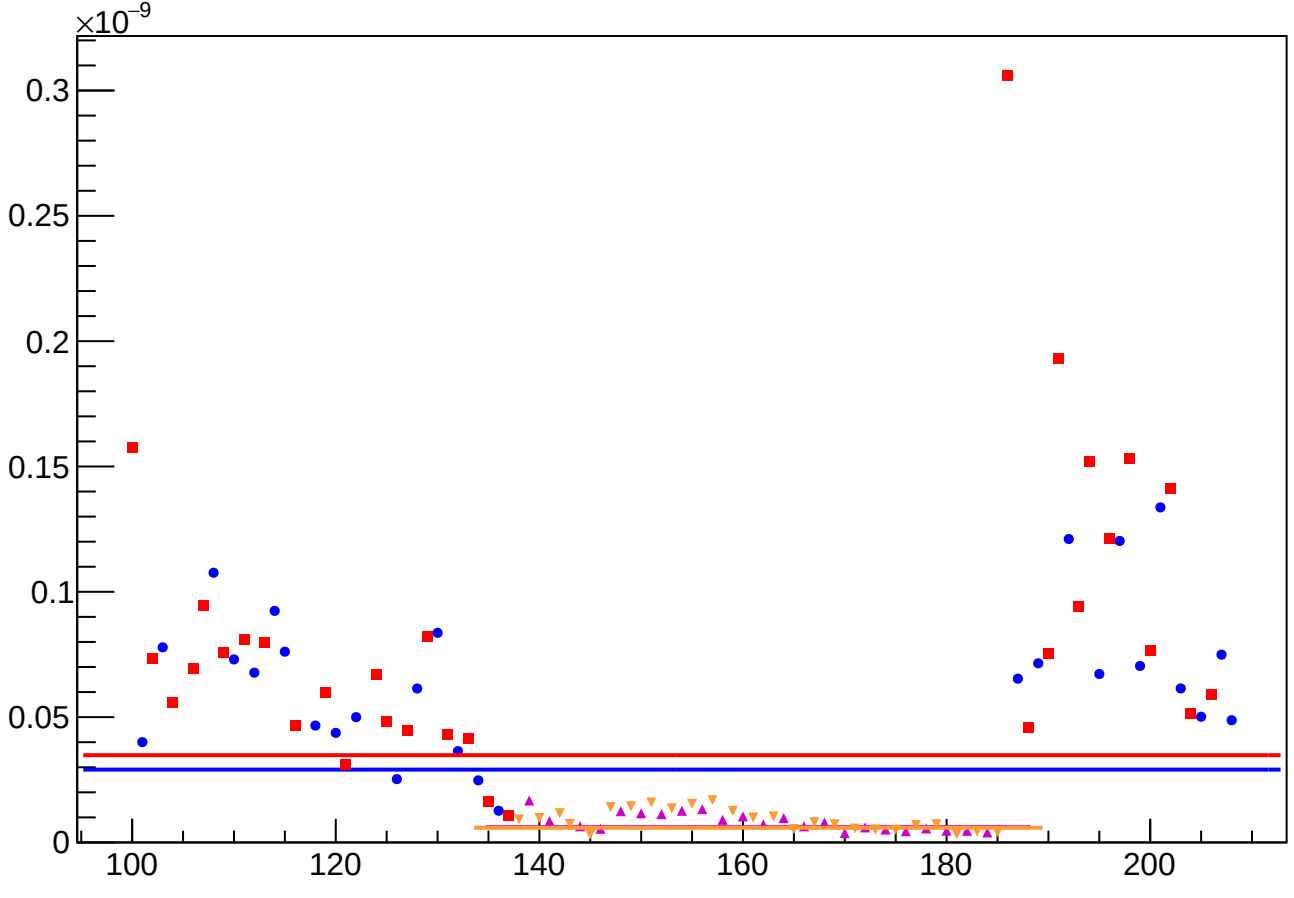
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 42.4/57

In: 0.000+/-0.000 χ^2/NDF:52.2/49

Out: 0.000+/-0.000 χ^2/NDF:43.9/55

All: 0.000+/-0.000 χ^2/NDF: 96.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 7655190.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7820001.5/30

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

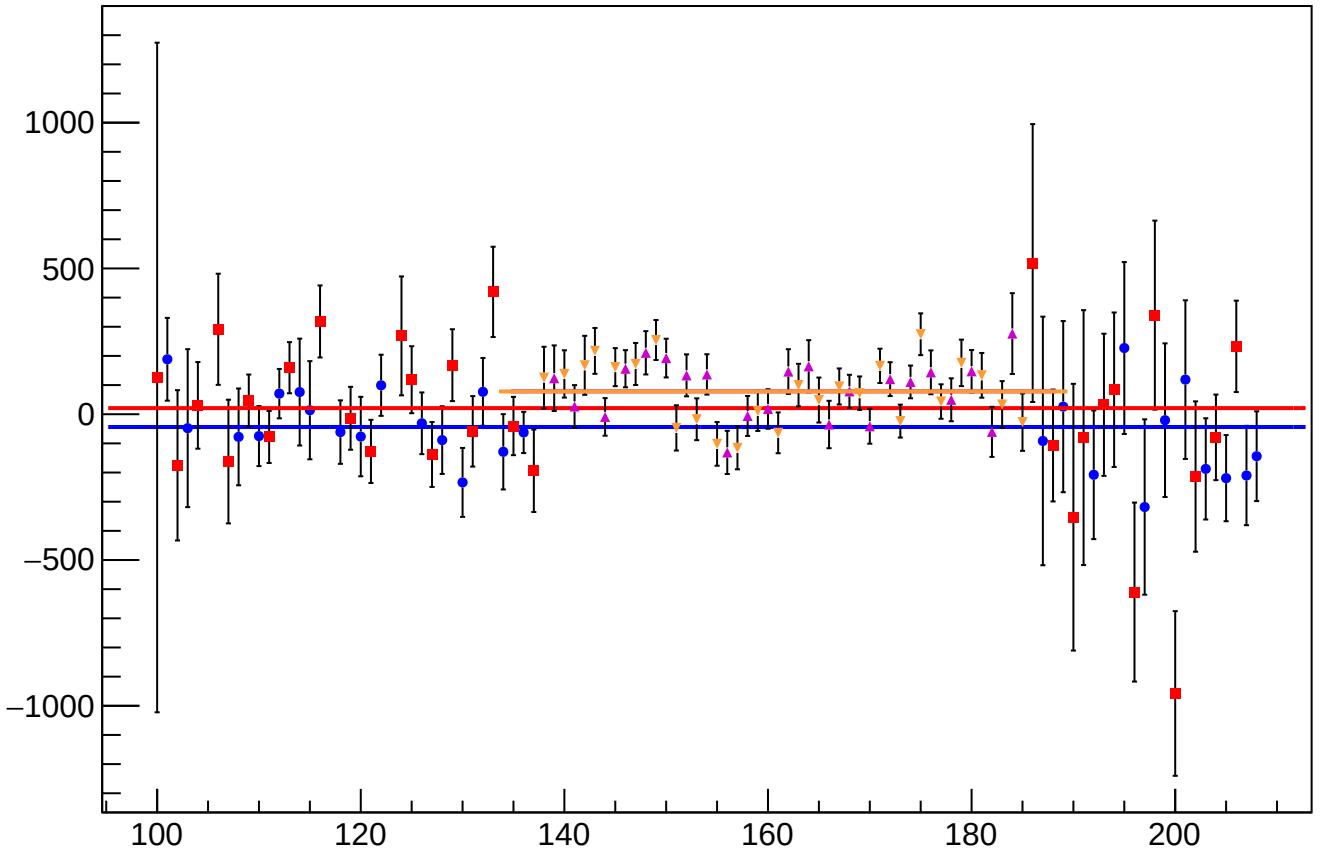
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15667915.7/57

In: 0.000+/-0.000 χ^2/NDF:18126967.0/49

Out: 0.000+/-0.000 χ^2/NDF:21638666.3/55

All: 0.000+/-0.000 χ^2/NDF: 39800427.7/105



Right In: -43.822+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 20.987+/-26.328 χ^2/NDF: 53.0/30

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

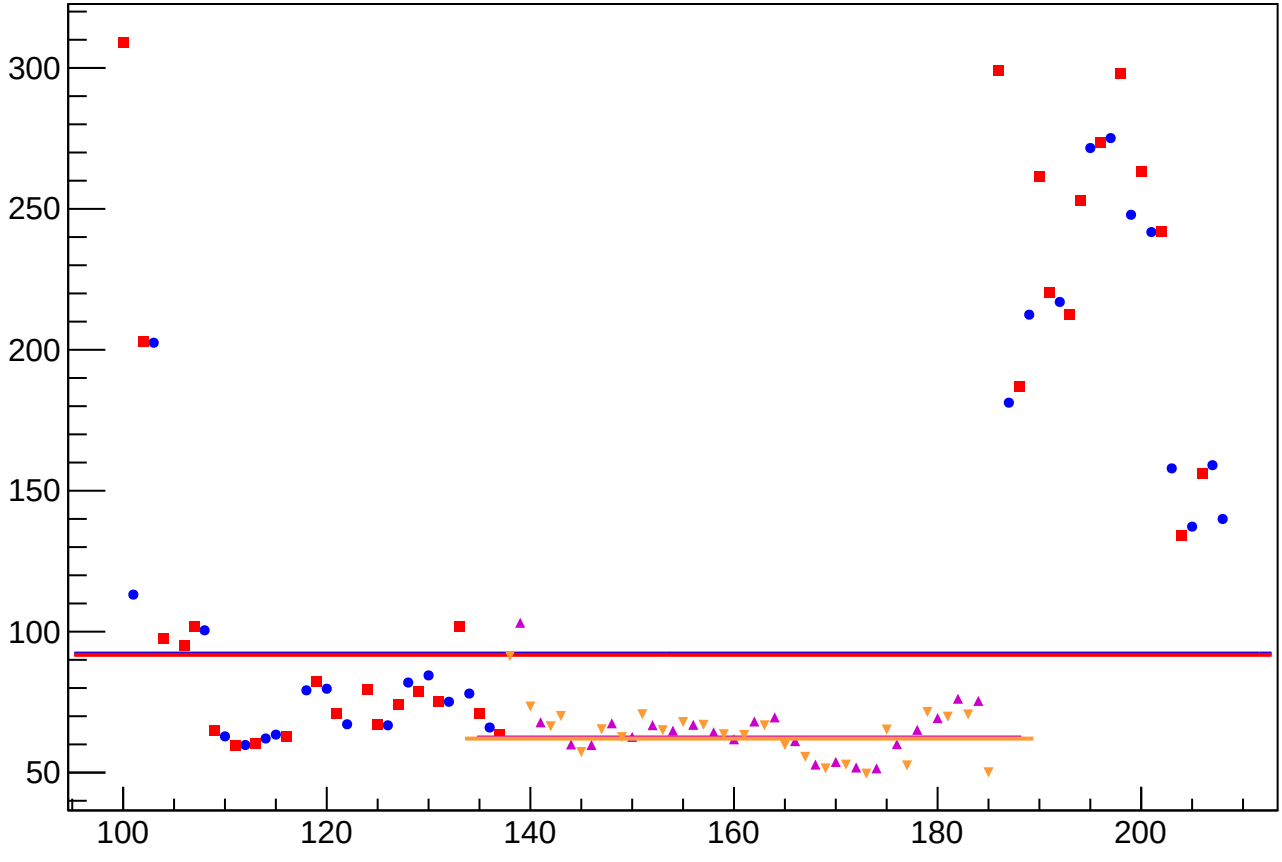
Right: -11.387+/-18.625 χ^2/NDF: 73.6/57

In: 49.140+/-12.912 χ^2/NDF:70.6/49

Out: 65.099+/-12.583 χ^2/NDF:110.5/55

All: 57.325+/-9.012 χ^2/NDF: 181.9/105

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 92.222+/-0.019 χ^2/NDF: 6407824.3/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.784+/-0.019 χ^2/NDF: 7709215.2/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

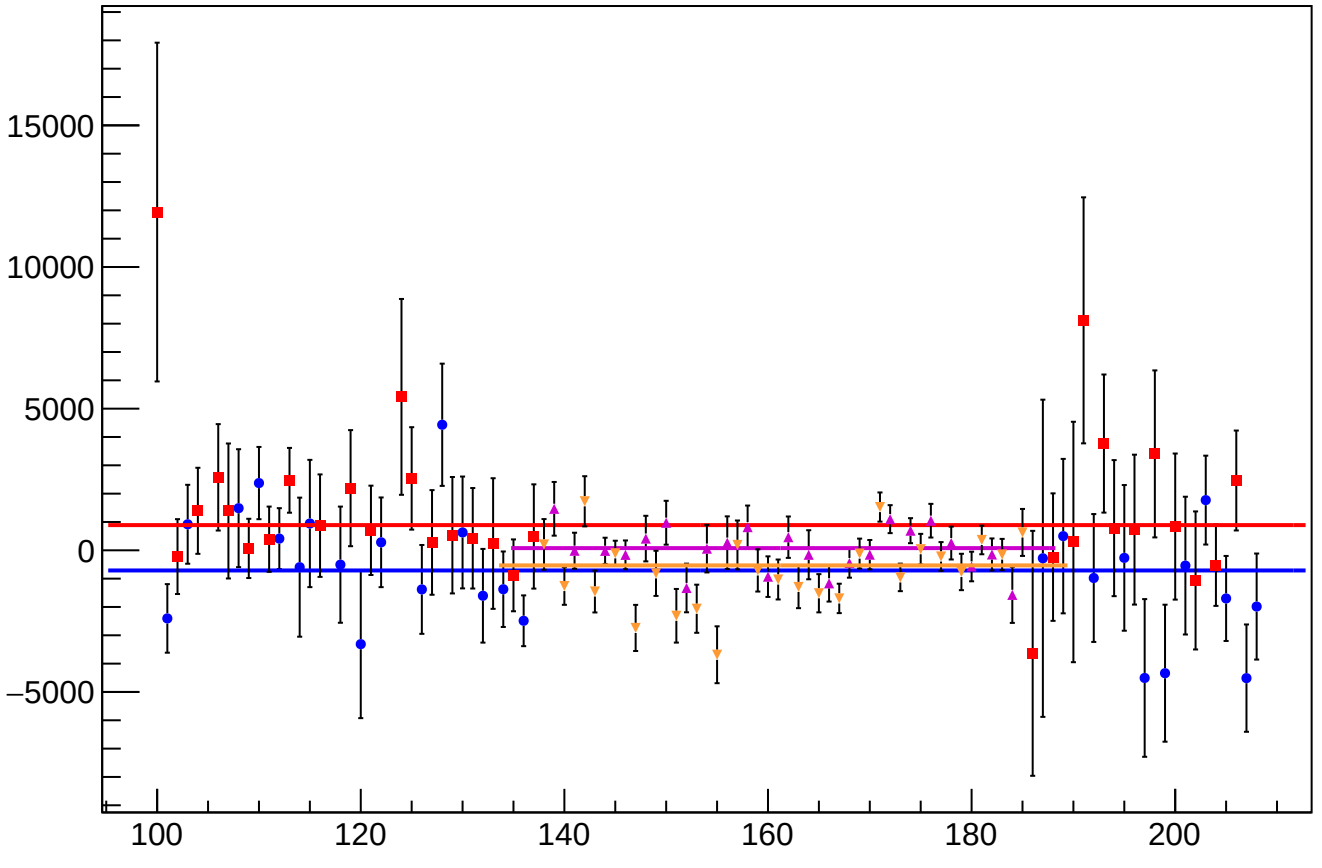
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 92.003+/-0.013 χ^2/NDF: 14117316.8/57

In: 69.594+/-0.009 χ^2/NDF:9013045.8/49

Out: 68.852+/-0.009 χ^2/NDF:10362233.2/55

All: 69.213+/-0.006 χ^2/NDF: 19378663.3/105



Right In: -711.518+/-324.306 χ^2/NDF: 35.9/26

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 889.673+/-327.911 χ^2/NDF: 21.7/30

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

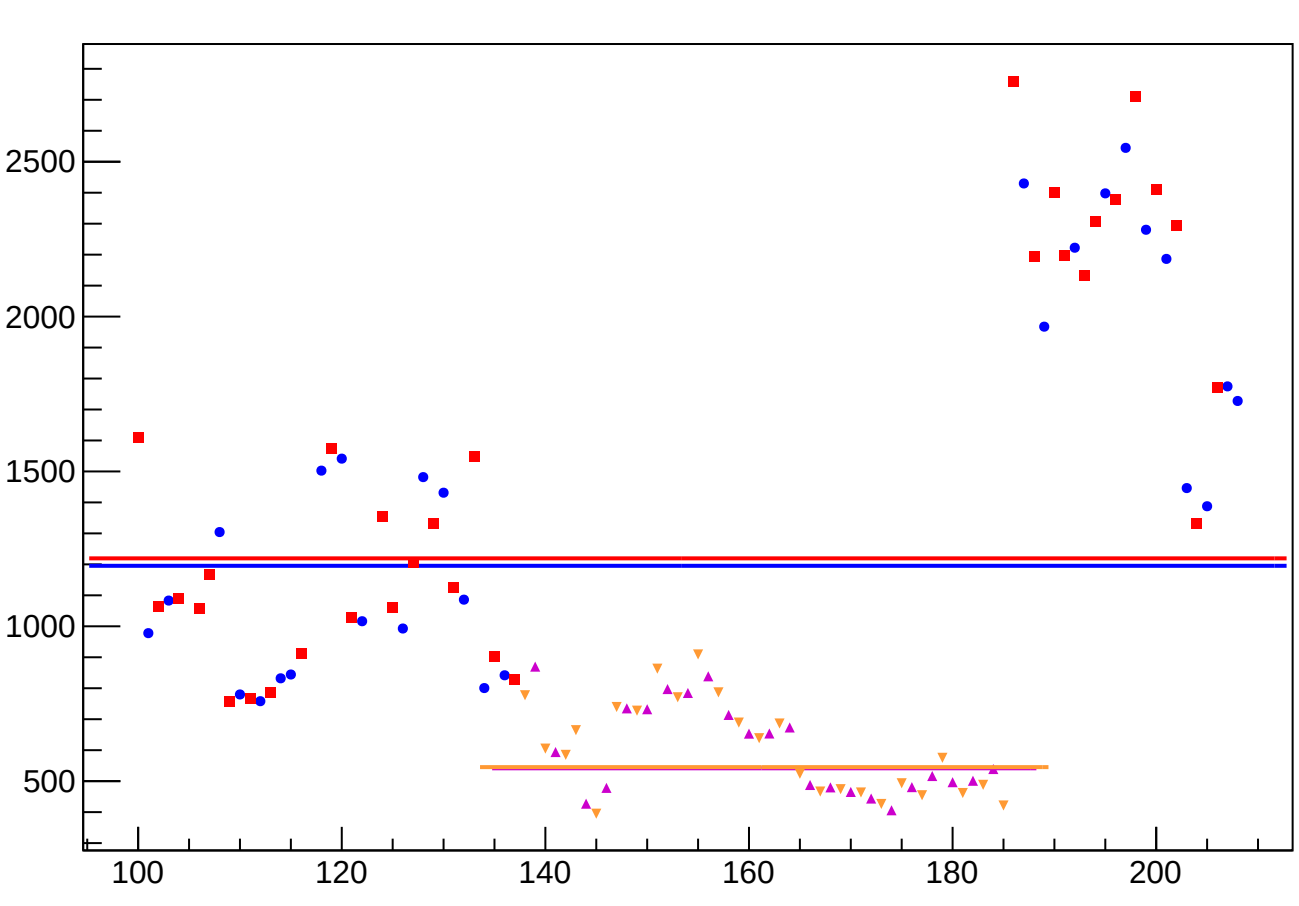
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 80.226+/-230.583 χ^2/NDF: 69.7/57

In: -32.284+/-120.920 χ^2/NDF:69.4/49

Out: -344.882+/-119.178 χ^2/NDF:107.2/55

All: -190.850+/-84.881 χ^2/NDF: 179.9/105



Right In: 1195.316+/-0.229 χ^2/NDF: 4164635.5/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1219.378+/-0.232 χ^2/NDF: 4978914.7/30

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

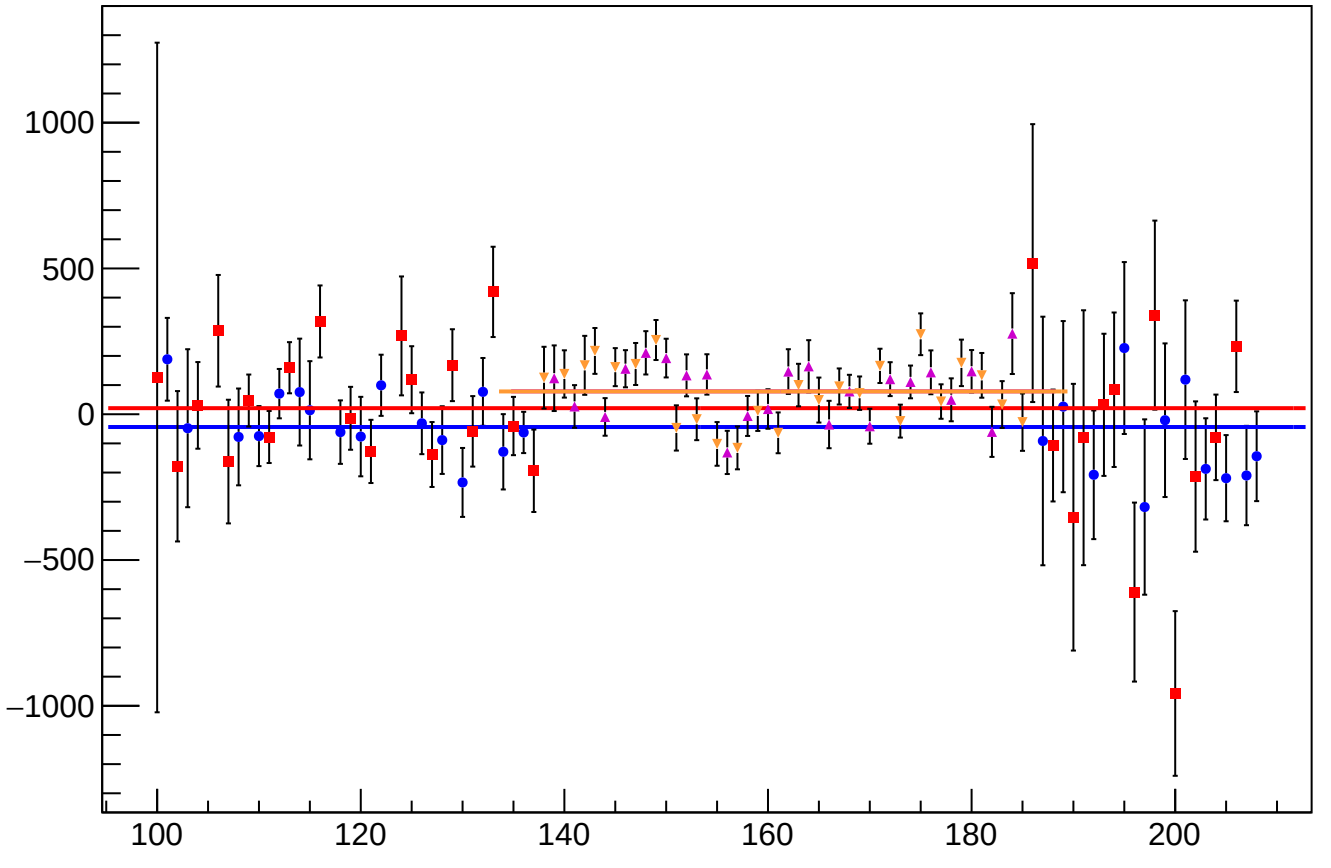
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1207.214+/-0.163 χ^2/NDF: 9148993.9/57

In: 632.359+/-0.086 χ^2/NDF:13004690.2/49

Out: 634.345+/-0.084 χ^2/NDF:14397672.4/55

All: 633.366+/-0.060 χ^2/NDF: 27402636.2/10



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 20.814+/-26.330 χ^2/NDF: 52.9/30

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

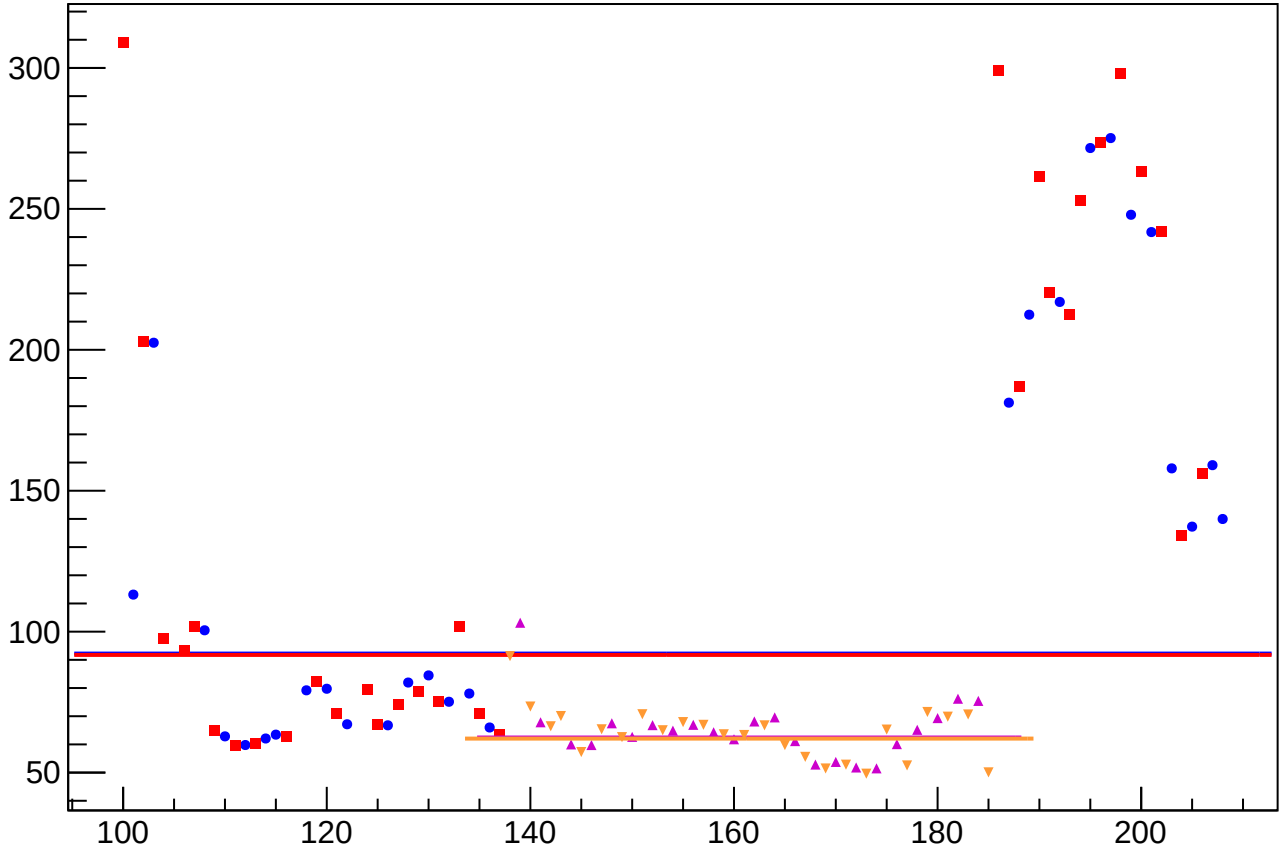
Right: -11.481+/-18.626 χ^2/NDF: 73.5/57

In: 49.138+/-12.912 χ^2/NDF:70.6/49

Out: 65.064+/-12.584 χ^2/NDF:110.5/55

All: 57.306+/-9.012 χ^2/NDF: 181.9/105

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

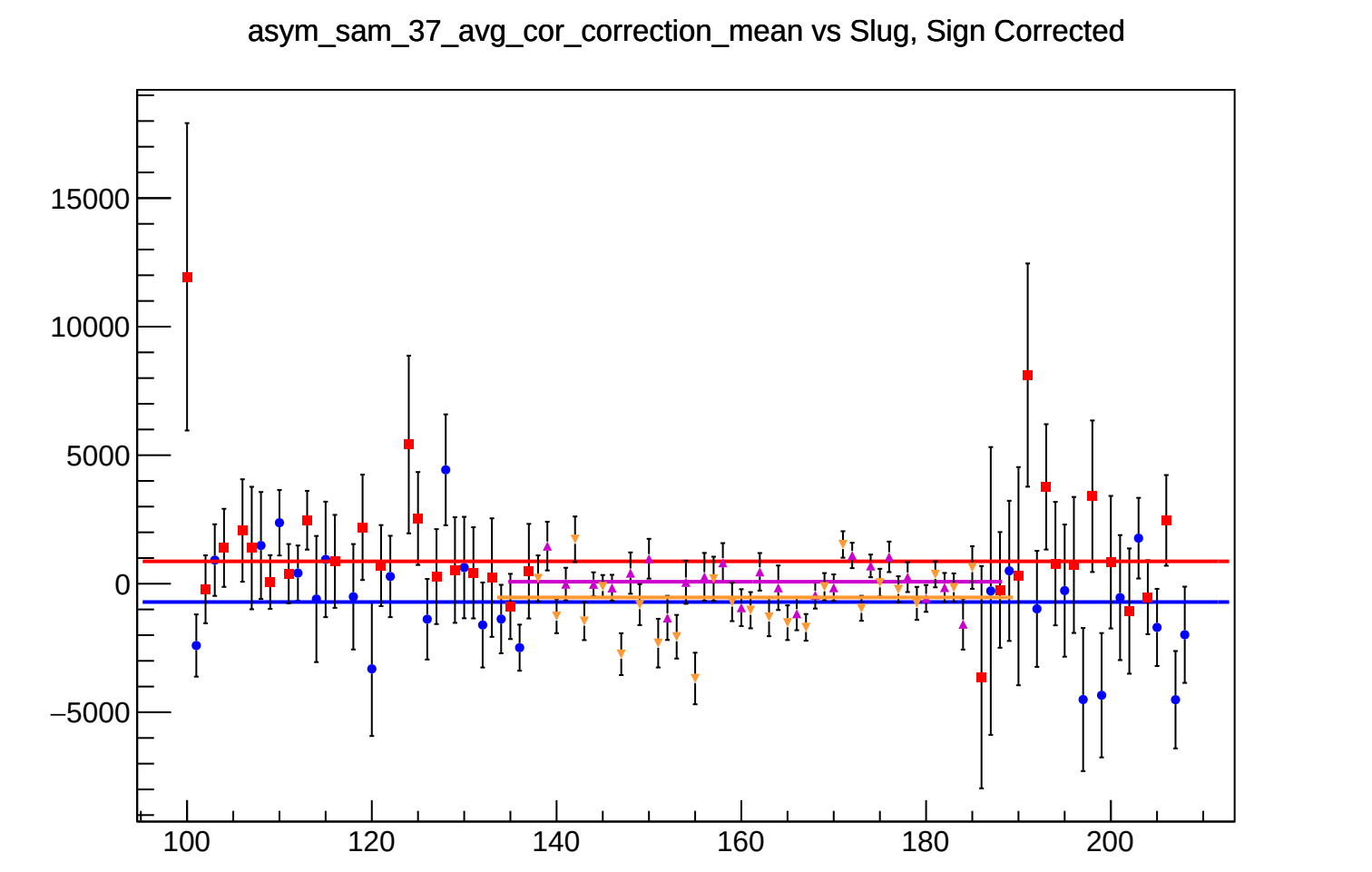
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 91.986+/-0.013 χ^2/NDF: 14117132.8/57

In: 69.594+/-0.009 χ^2/NDF:9013047.8/49

Out: 68.844+/-0.009 χ^2/NDF:10357412.9/55

All: 69.209+/-0.006 χ^2/NDF: 19373921.8/105



Right In: -711.511+/-324.308 χ^2/NDF: 35.9/26

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

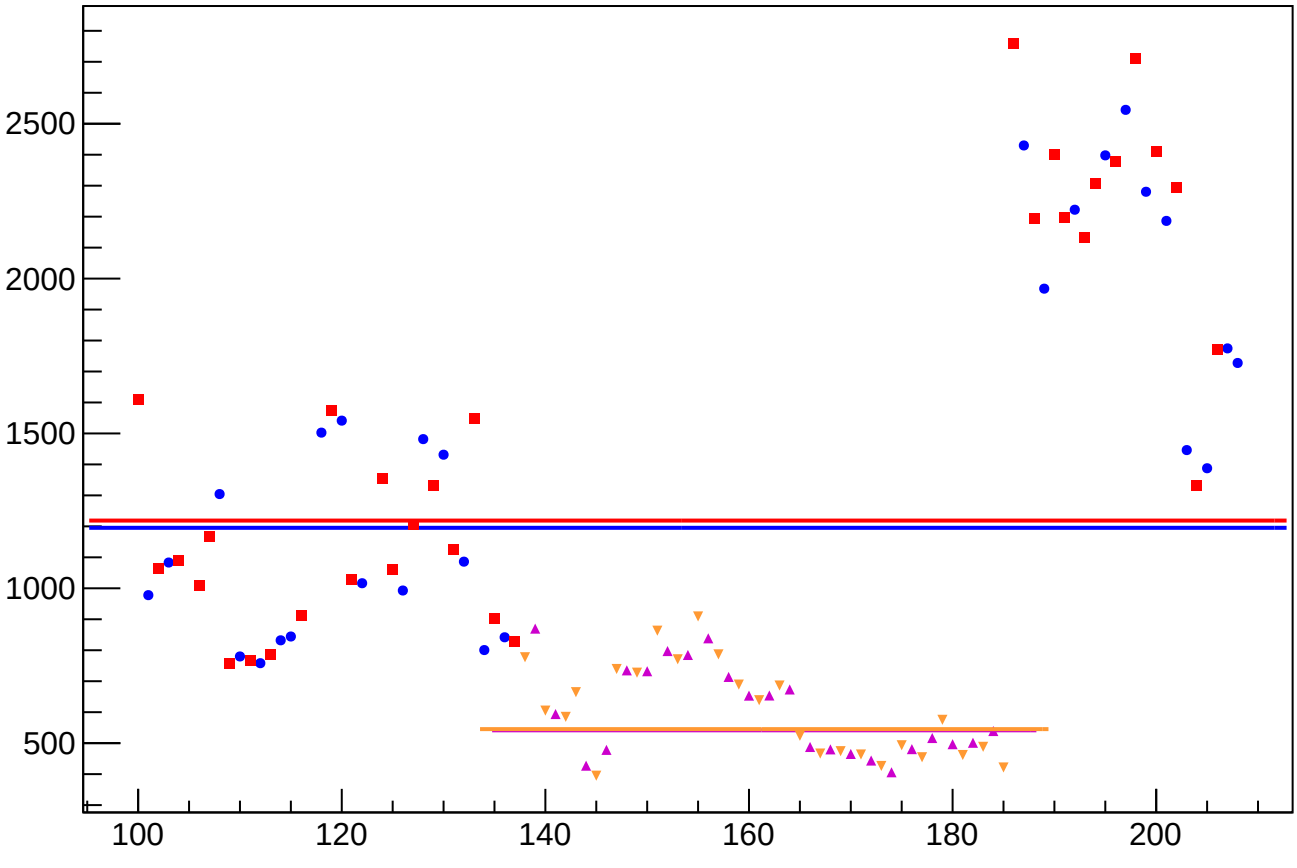
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 69.429+/-230.786 χ^2/NDF: 68.9/57

In: -32.283+/-120.920 χ^2/NDF:69.4/49

Out: -347.962+/-119.206 χ^2/NDF:106.2/55

All: -192.375+/-84.891 χ^2/NDF: 179.0/105



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

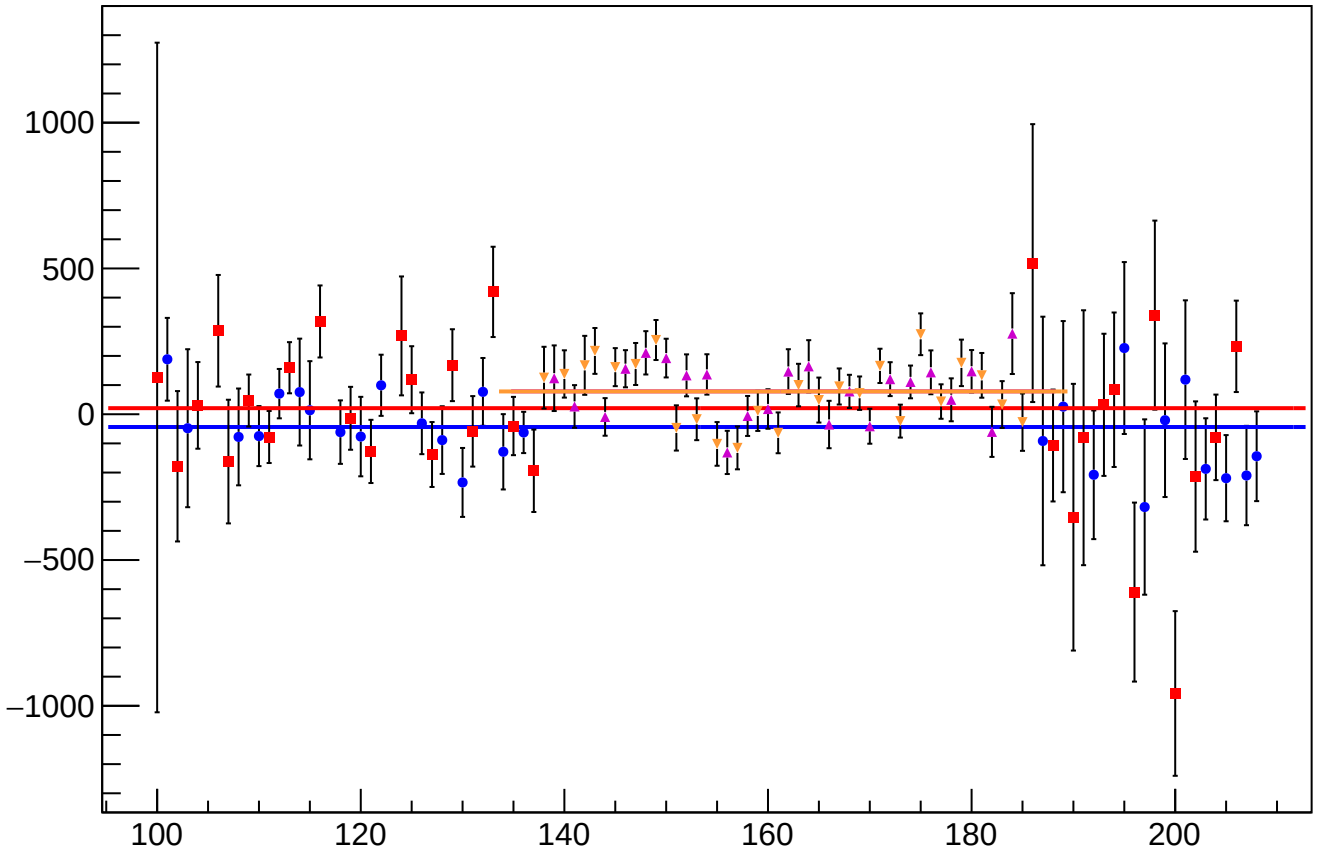
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1206.859+/-0.163 χ^2/NDF: 9155658.1/57

In: 632.359+/-0.086 χ^2/NDF:13004745.9/49

Out: 633.981+/-0.084 χ^2/NDF:14367277.3/55

All: 633.182+/-0.060 χ^2/NDF: 27372205.6/10



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 20.814+/-26.330 χ^2/NDF: 52.9/30

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

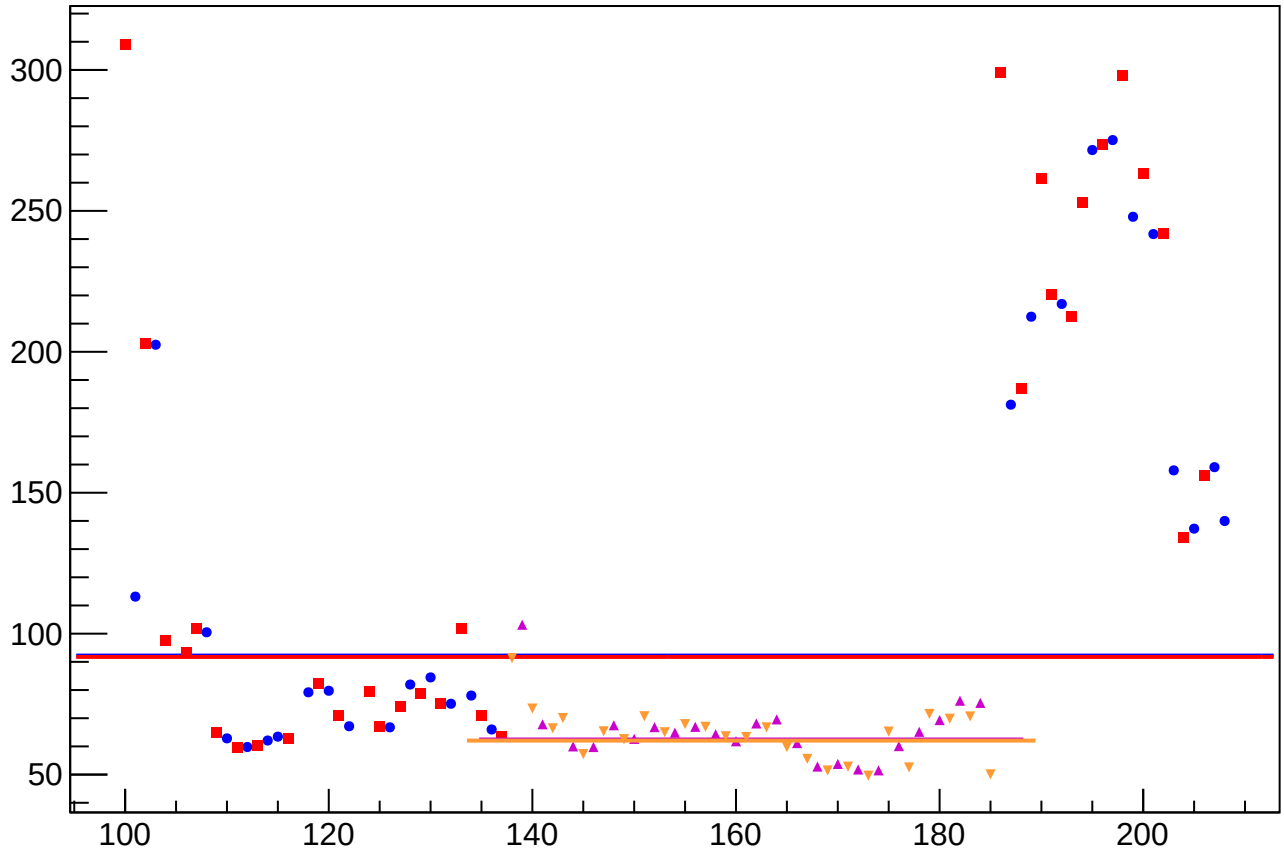
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -11.481+/-18.626 χ^2/NDF: 73.5/57

In: 49.138+/-12.912 χ^2/NDF:70.6/49

Out: 65.064+/-12.584 χ^2/NDF:110.5/55

All: 57.306+/-9.012 χ^2/NDF: 181.9/105



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

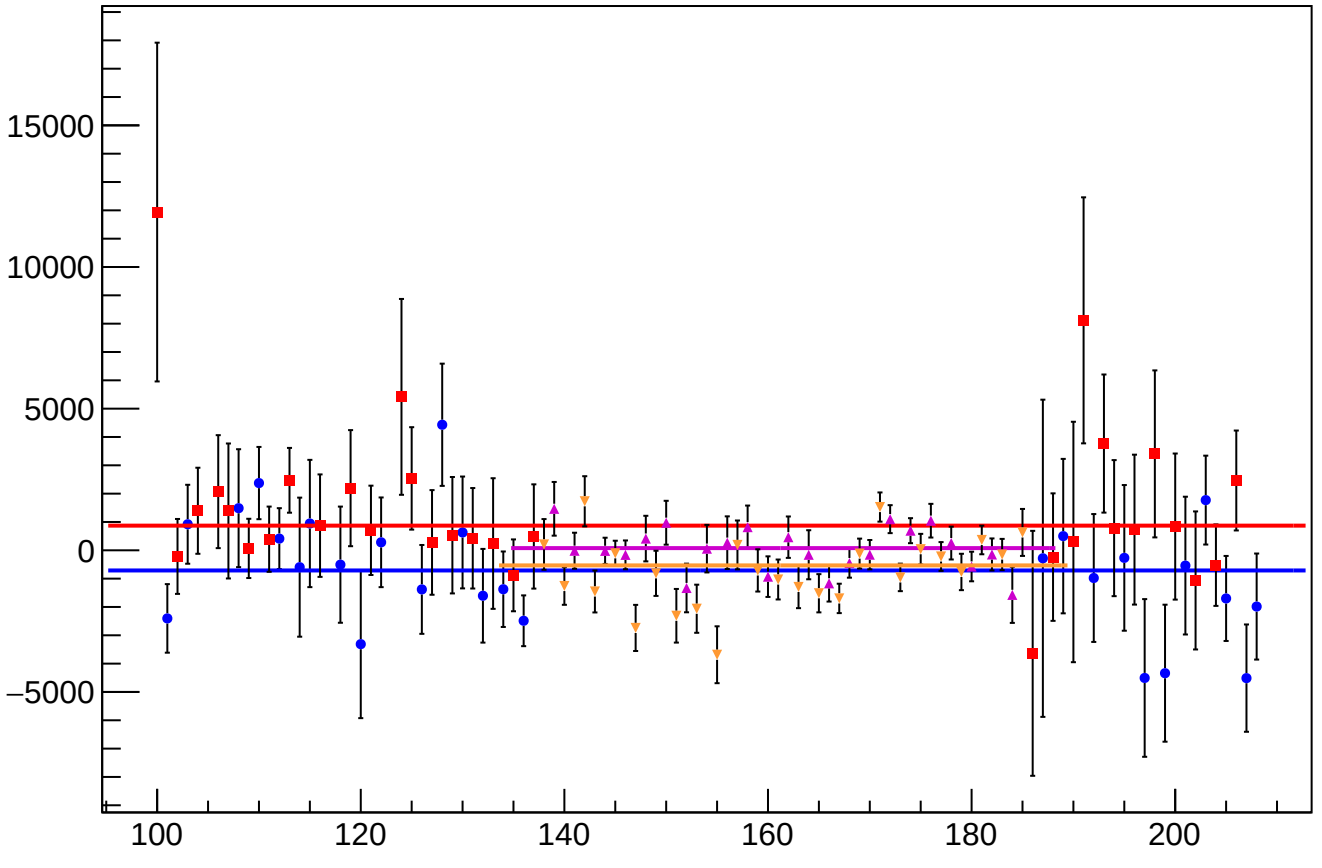
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 91.986+/-0.013 χ^2/NDF: 14117132.8/57

In: 69.594+/-0.009 χ^2/NDF:9013047.8/49

Out: 68.844+/-0.009 χ^2/NDF:10357412.9/55

All: 69.209+/-0.006 χ^2/NDF: 19373921.8/105



Right In: -711.511+/-324.308 χ^2/NDF: 35.9/26

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

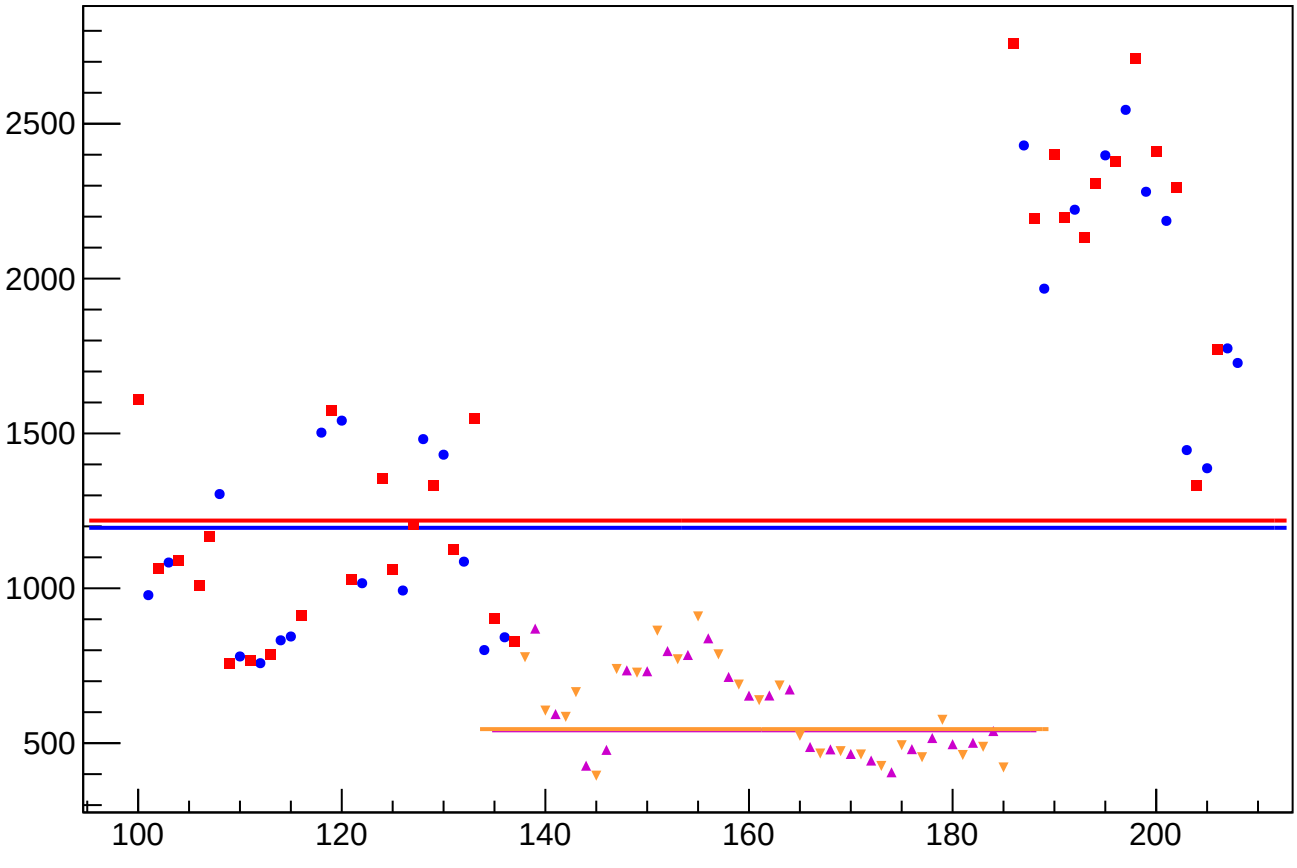
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 69.429+/-230.786 χ^2/NDF: 68.9/57

In: -32.283+/-120.920 χ^2/NDF:69.4/49

Out: -347.962+/-119.206 χ^2/NDF:106.2/55

All: -192.375+/-84.891 χ^2/NDF: 179.0/105



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

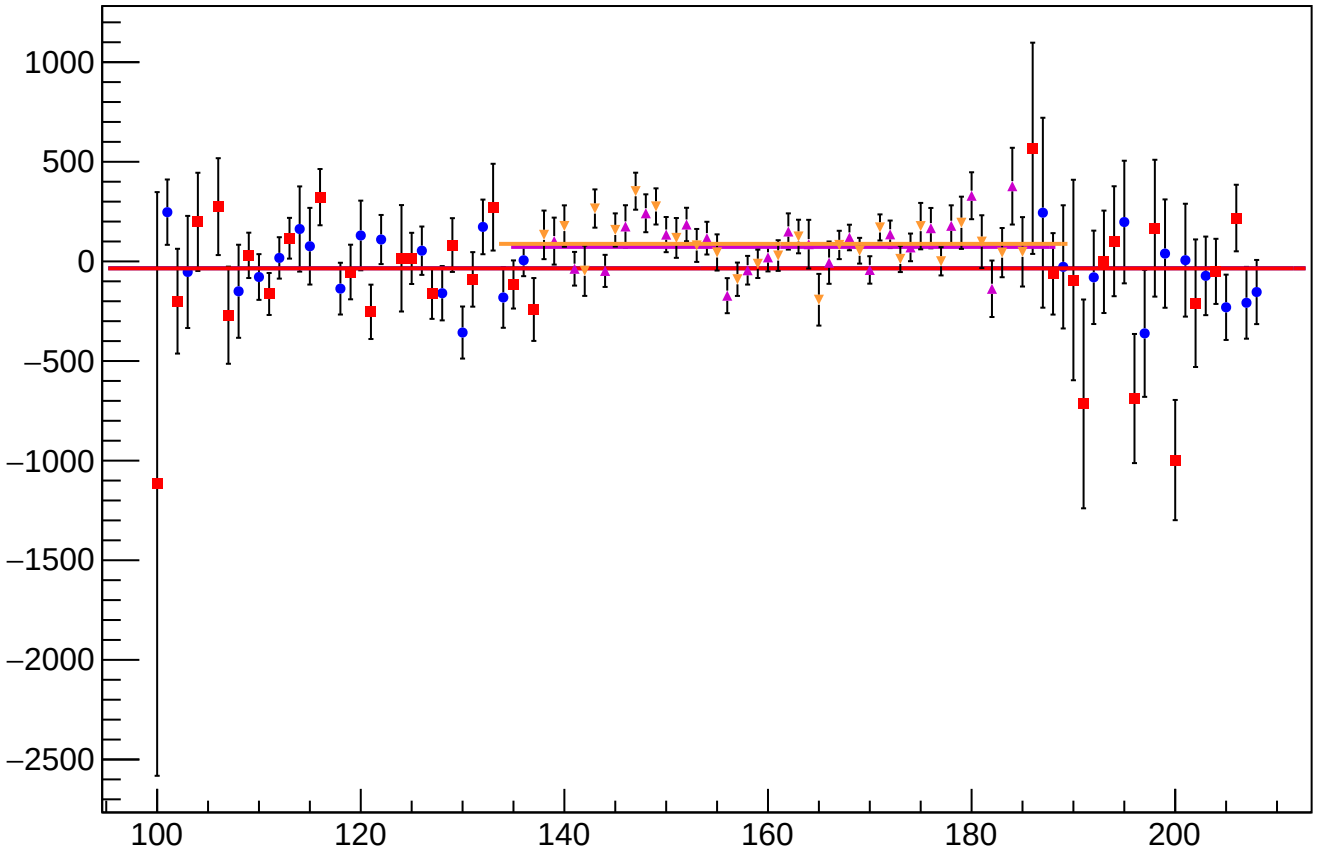
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1206.859+/-0.163 χ^2/NDF: 9155658.1/57

In: 632.359+/-0.086 χ^2/NDF:13004745.9/49

Out: 633.981+/-0.084 χ^2/NDF:14367277.3/55

All: 633.182+/-0.060 χ^2/NDF: 27372205.6/10



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -35.034+/-31.058 χ^2/NDF: 44.1/30

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

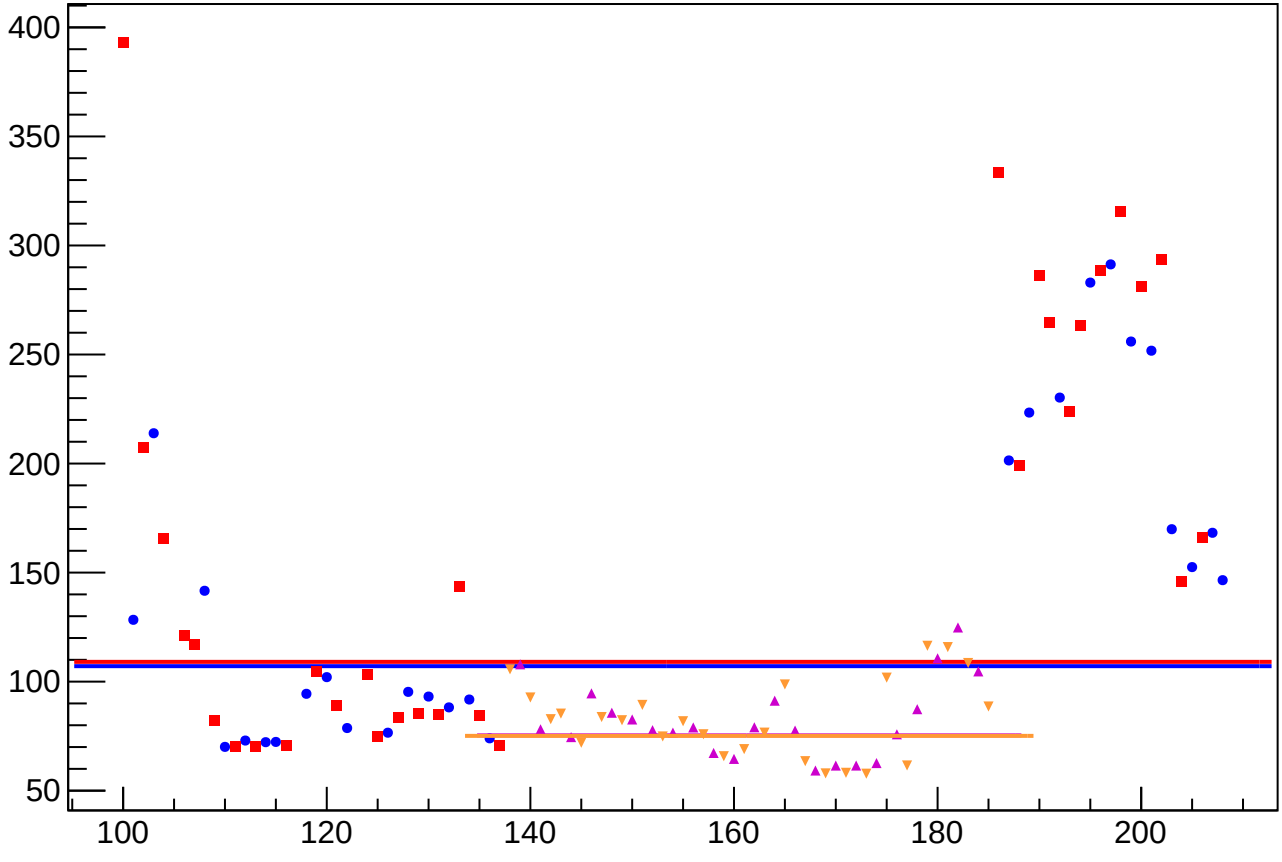
Right: -34.685+/-21.689 χ^2/NDF: 67.7/57

In: 44.254+/-15.650 χ^2/NDF:71.2/49

Out: 57.752+/-15.407 χ^2/NDF:92.9/55

All: 51.108+/-10.979 χ^2/NDF: 164.5/105

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 107.089+/-0.021 χ^2/NDF: 5664502.9/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 109.069+/-0.022 χ^2/NDF: 7098992.9/30

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

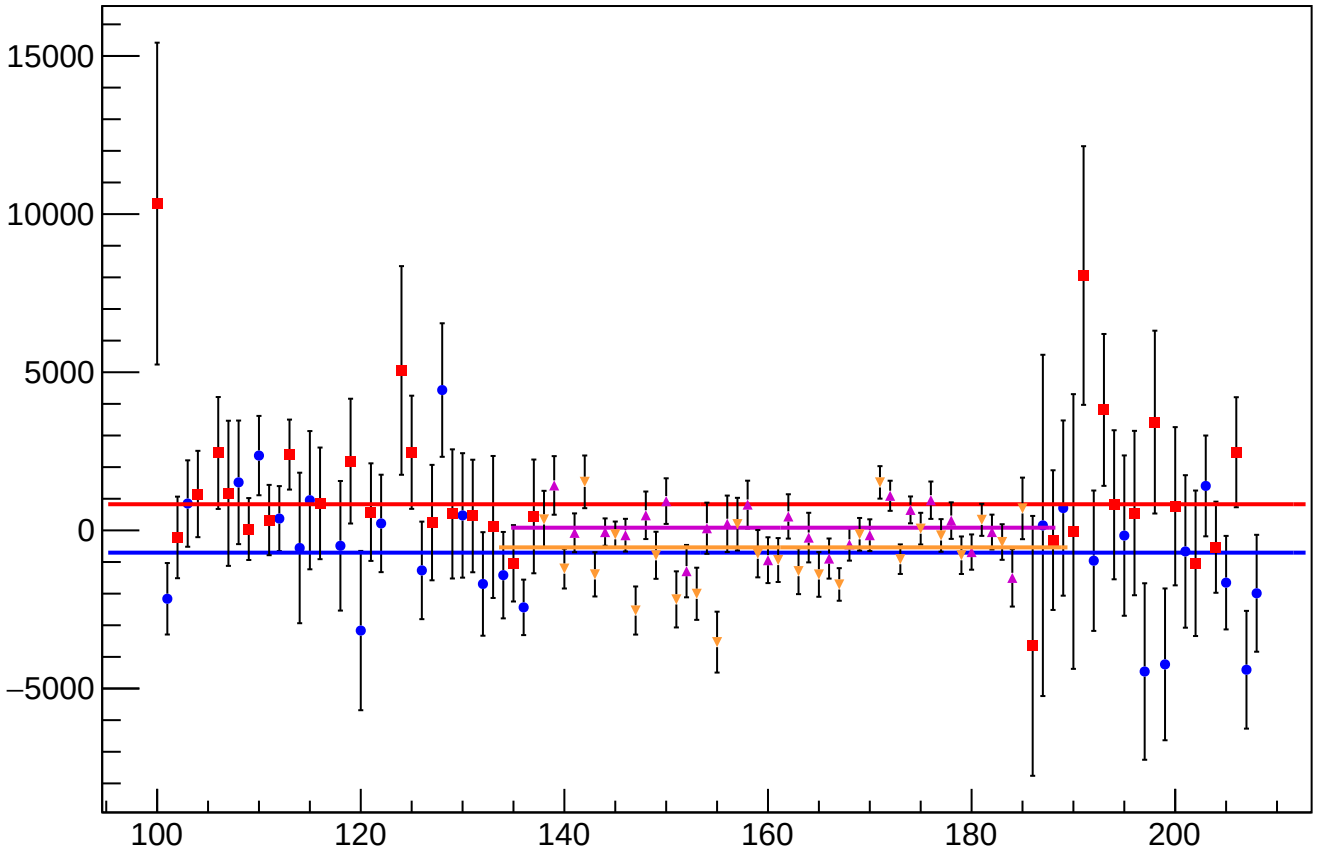
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 108.055+/-0.015 χ^2/NDF: 12767662.7/57

In: 83.825+/-0.011 χ^2/NDF:8497455.7/49

Out: 83.481+/-0.011 χ^2/NDF:10501226.4/55

All: 83.650+/-0.008 χ^2/NDF: 18999174.9/105



Right In: -704.174+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 826.615+/-316.734 χ^2/NDF: 23.0/30

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

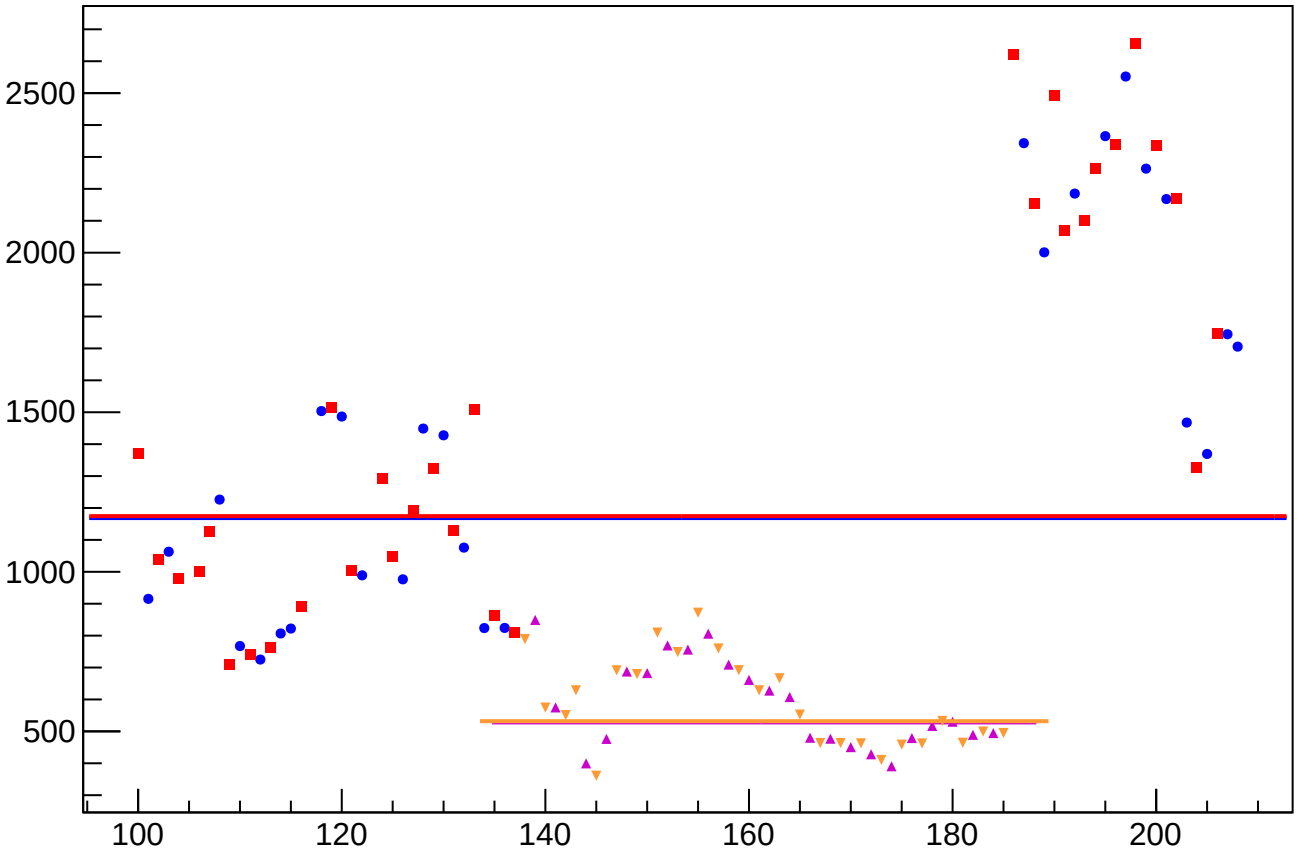
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 63.413+/-224.285 χ^2/NDF: 69.8/57

In: -24.112+/-117.955 χ^2/NDF:67.9/49

Out: -354.397+/-115.847 χ^2/NDF:106.1/55

All: -192.233+/-82.651 χ^2/NDF: 178.0/105



Right In: 1168.378+/-0.225 χ^2/NDF: 4304546.7/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1174.422+/-0.224 χ^2/NDF: 5159698.9/30

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

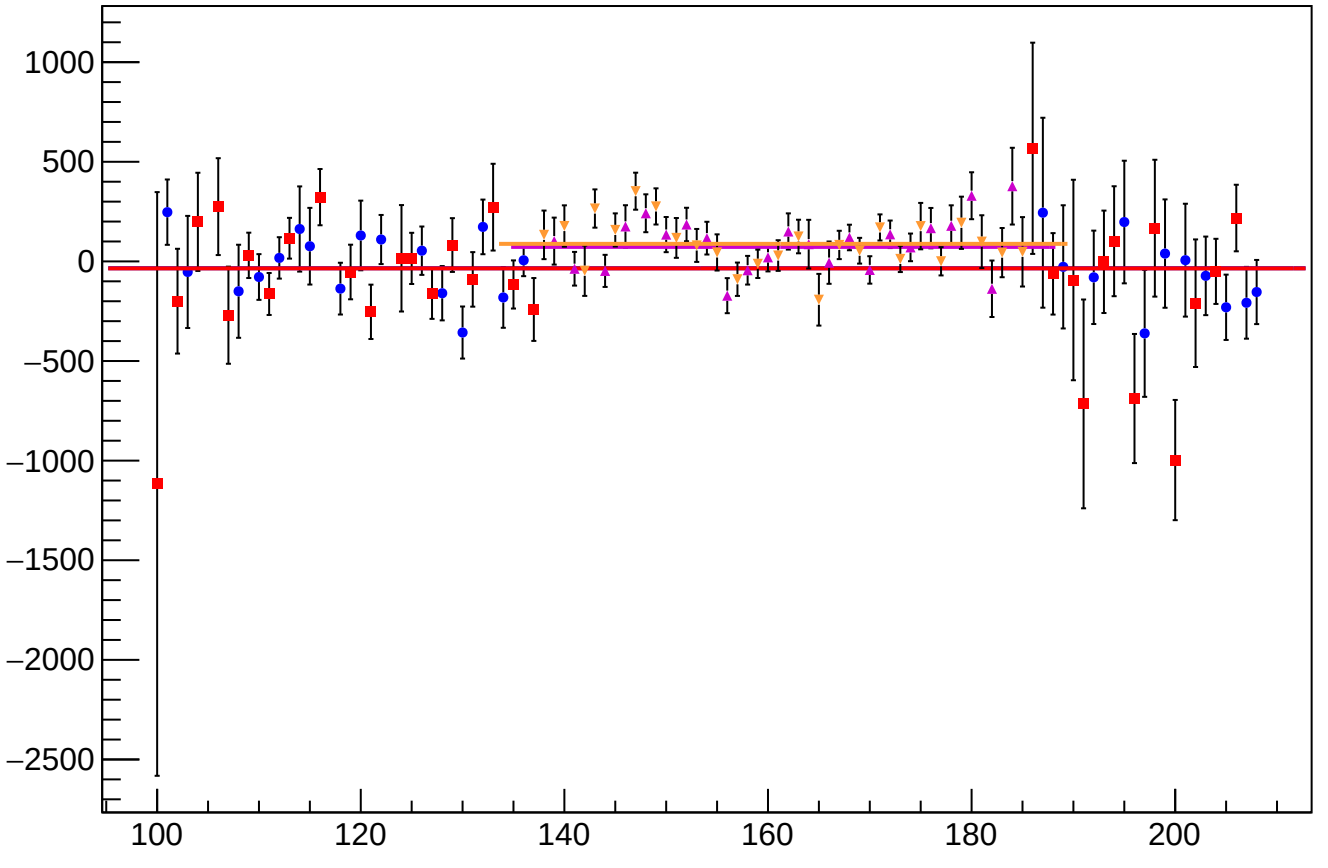
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1171.409+/-0.159 χ^2/NDF: 9464608.7/57

In: 616.295+/-0.083 χ^2/NDF:13113162.4/49

Out: 617.830+/-0.082 χ^2/NDF:14327381.0/55

All: 617.076+/-0.058 χ^2/NDF: 27440716.0/10



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -35.037+/-31.058 χ^2/NDF: 44.1/30

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

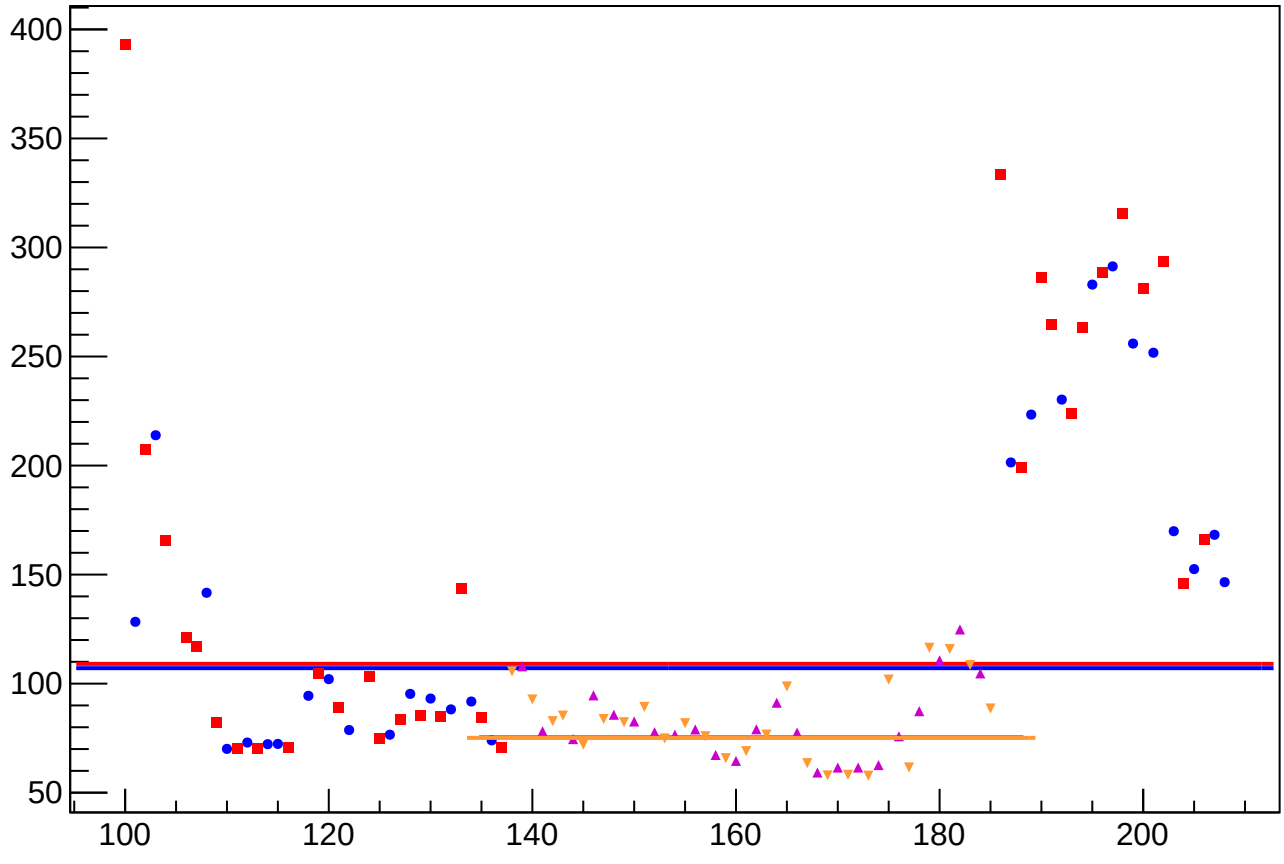
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -34.686+/-21.689 χ^2/NDF: 67.7/57

In: 44.254+/-15.650 χ^2/NDF:71.2/49

Out: 57.752+/-15.407 χ^2/NDF:92.9/55

All: 51.108+/-10.979 χ^2/NDF: 164.5/105



Right In: 107.089+/-0.021 χ^2/NDF: 5664465.5/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 109.070+/-0.022 χ^2/NDF: 7098960.3/30

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

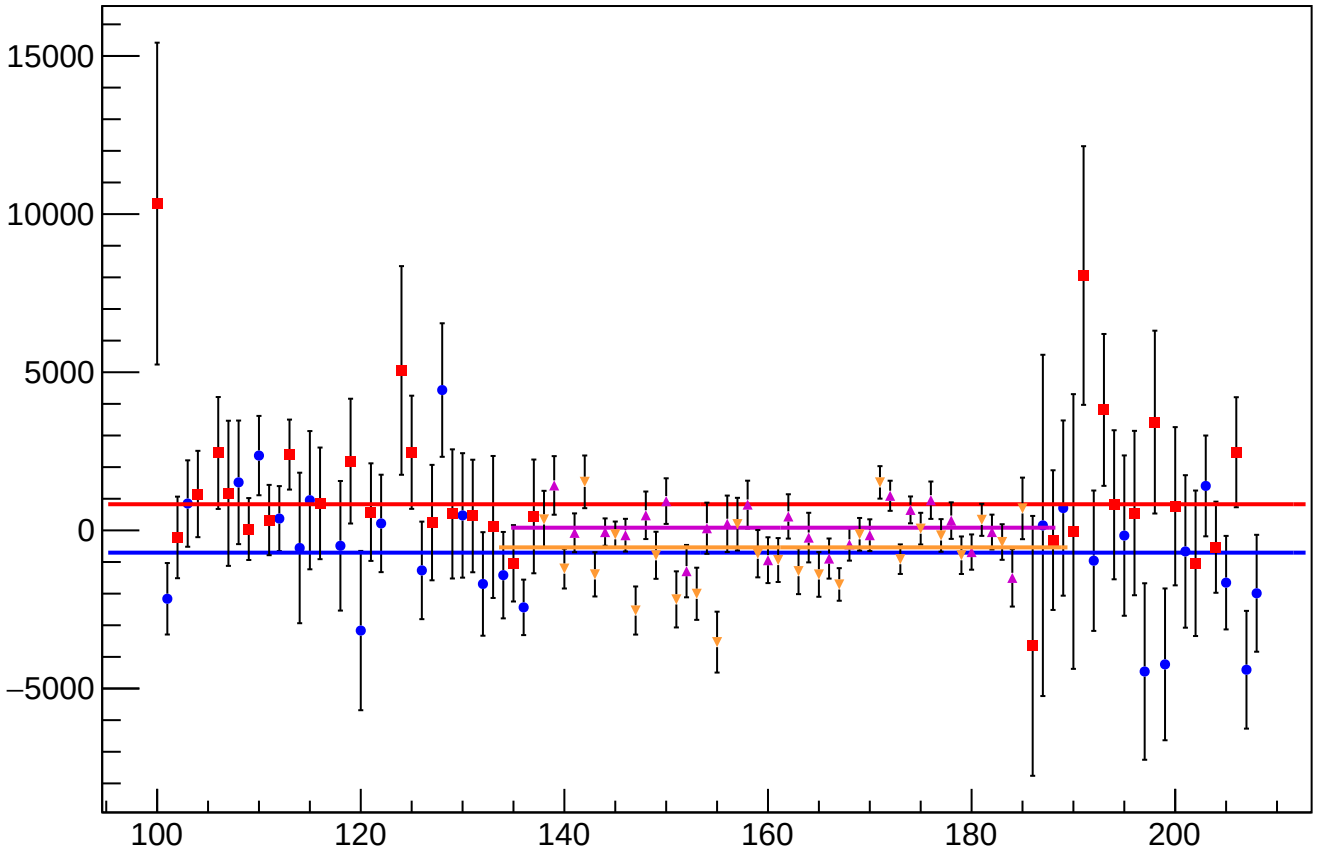
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 108.055+/-0.015 χ^2/NDF: 12767593.2/57

In: 83.826+/-0.011 χ^2/NDF:8497430.2/49

Out: 83.481+/-0.011 χ^2/NDF:10501212.6/55

All: 83.651+/-0.008 χ^2/NDF: 18999135.5/105



Right In: -704.171+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 826.614+/-316.733 χ^2/NDF: 23.0/30

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

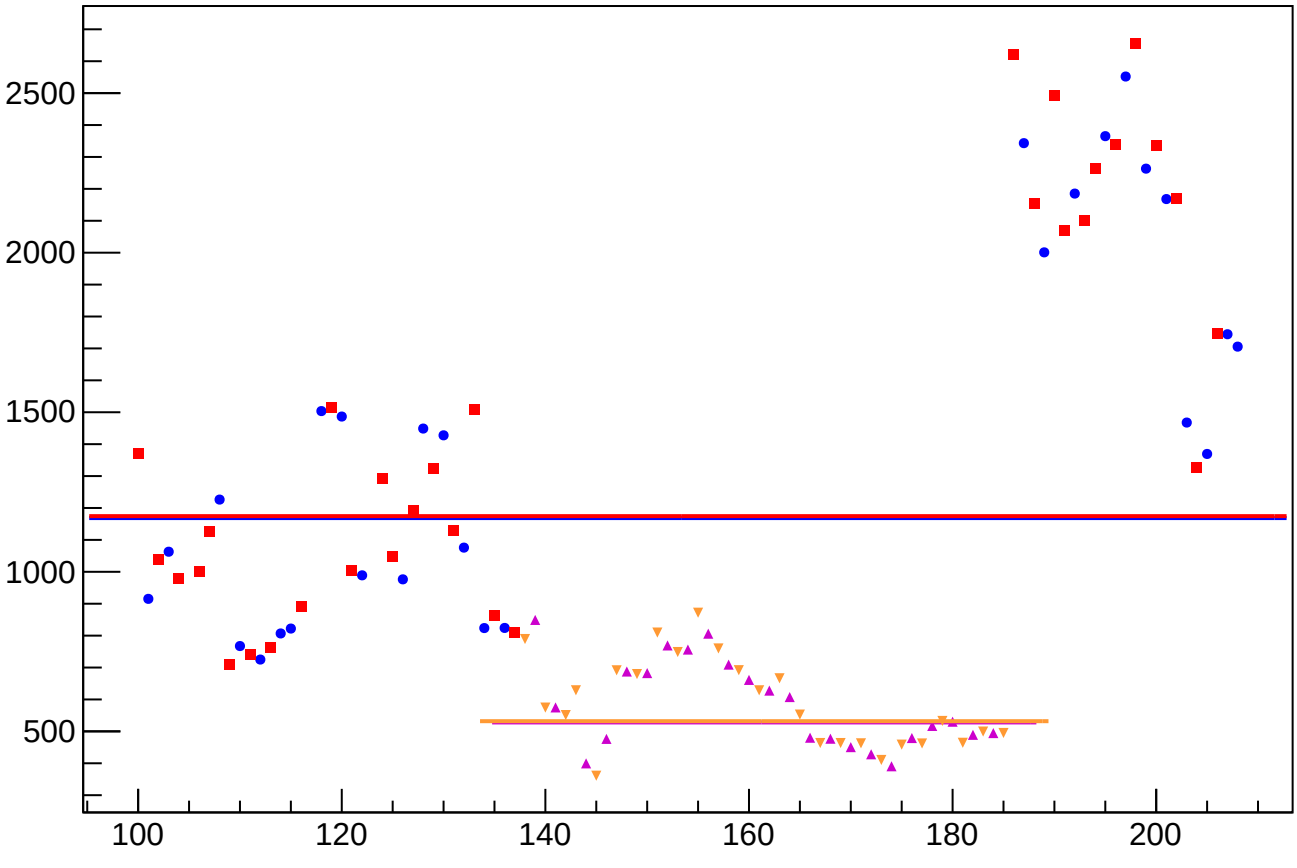
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 63.415+/-224.285 χ^2/NDF: 69.8/57

In: -24.112+/-117.955 χ^2/NDF:67.9/49

Out: -354.398+/-115.847 χ^2/NDF:106.1/55

All: -192.233+/-82.651 χ^2/NDF: 178.0/105



Right In: 1168.376+/-0.225 χ^2/NDF: 4304557.6/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1174.420+/-0.224 χ^2/NDF: 5159706.3/30

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

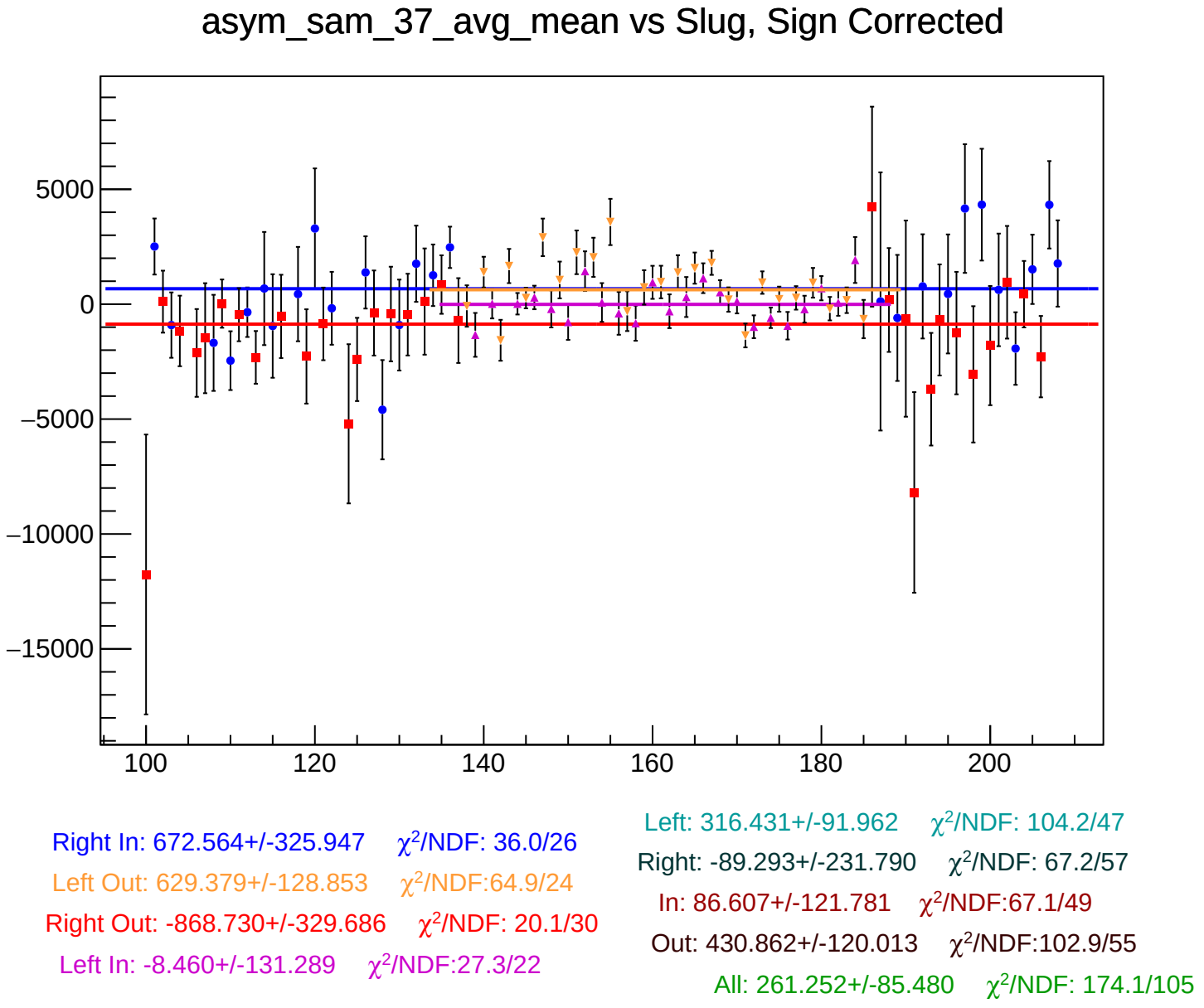
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

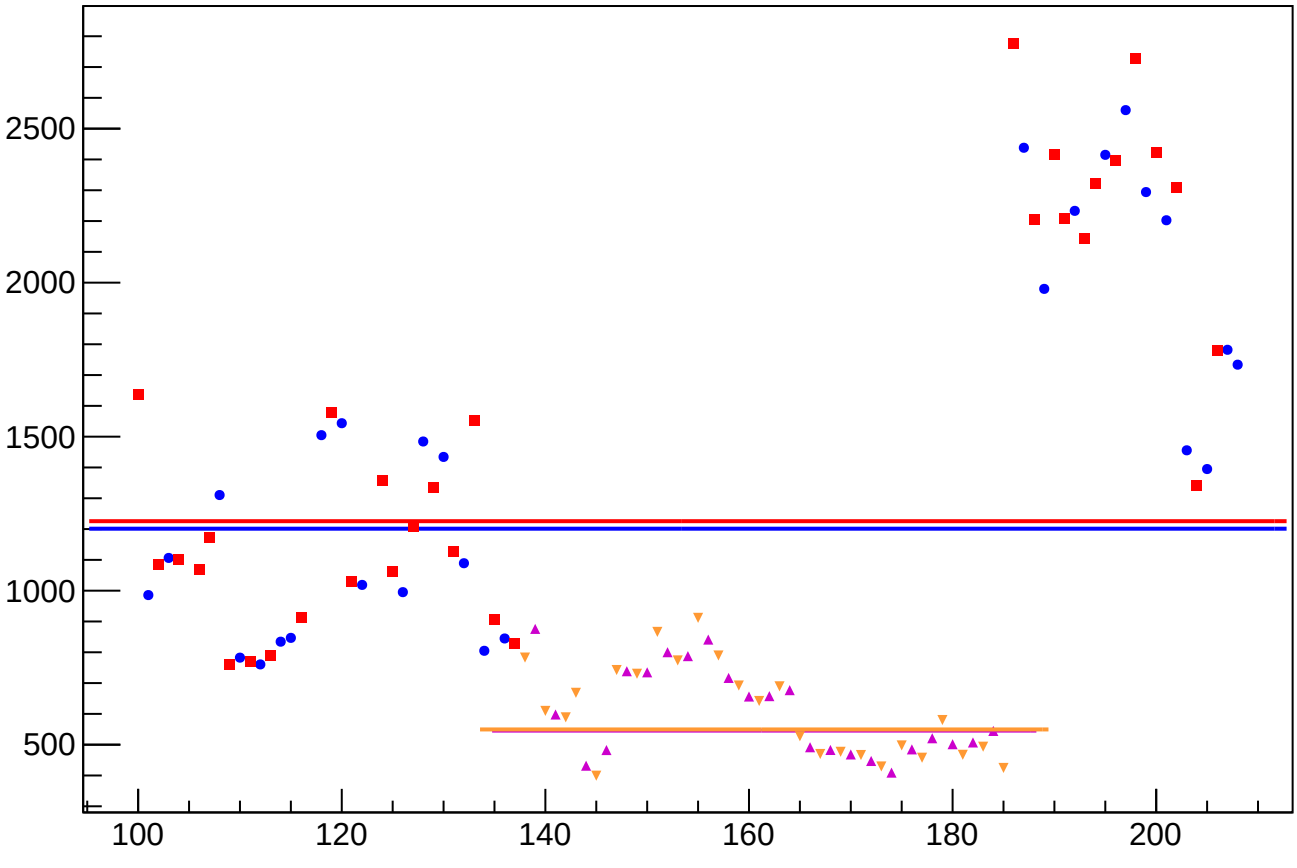
Right: 1171.407+/-0.159 χ^2/NDF: 9464627.1/57

In: 616.294+/-0.083 χ^2/NDF:13113148.4/49

Out: 617.830+/-0.082 χ^2/NDF:14327364.7/55

All: 617.076+/-0.058 χ^2/NDF: 27440685.7/10


asym_sam_37_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 672.564+/-325.947 χ²/NDF: 36.0/26
Left Out: 629.379+/-128.853 χ²/NDF:64.9/24
Right Out: -868.730+/-329.686 χ²/NDF: 20.1/30
Left In: -8.460+/-131.289 χ²/NDF:27.3/22
Left: 316.431+/-91.962 χ²/NDF: 104.2/47
Right: -89.293+/-231.790 χ²/NDF: 67.2/57
In: 86.607+/-121.781 χ²/NDF:67.1/49
Out: 430.862+/-120.013 χ²/NDF:102.9/55
All: 261.252+/-85.480 χ²/NDF: 174.1/105



Right In: 1201.218+/-0.230 χ^2/NDF: 4171314.1/26

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1225.607+/-0.233 χ^2/NDF: 4988317.4/30

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

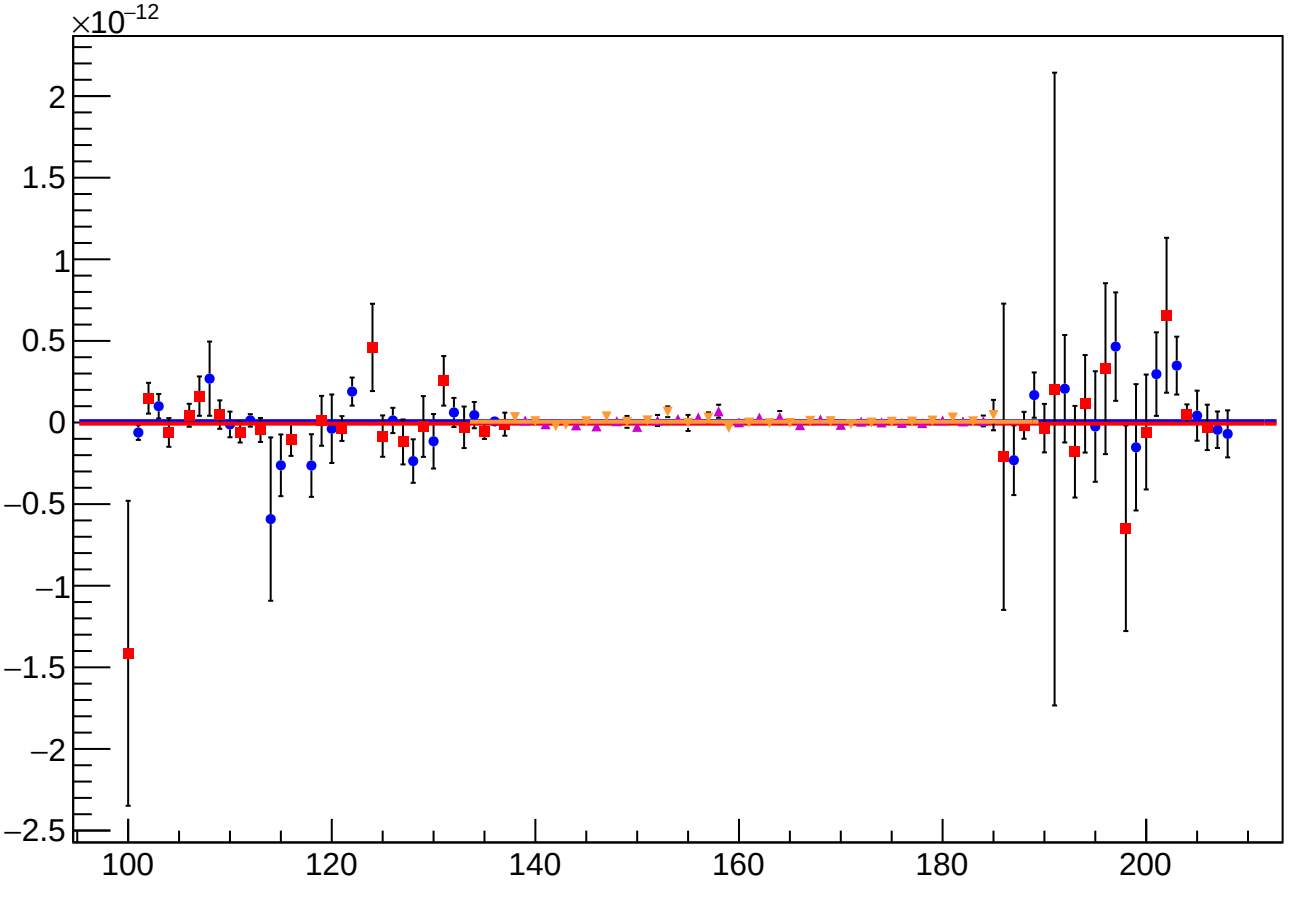
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1213.274+/-0.164 χ^2/NDF: 9165166.2/57

In: 637.214+/-0.086 χ^2/NDF:12945661.6/49

Out: 639.070+/-0.085 χ^2/NDF:14339417.9/55

All: 638.155+/-0.060 χ^2/NDF: 27285315.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/30

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

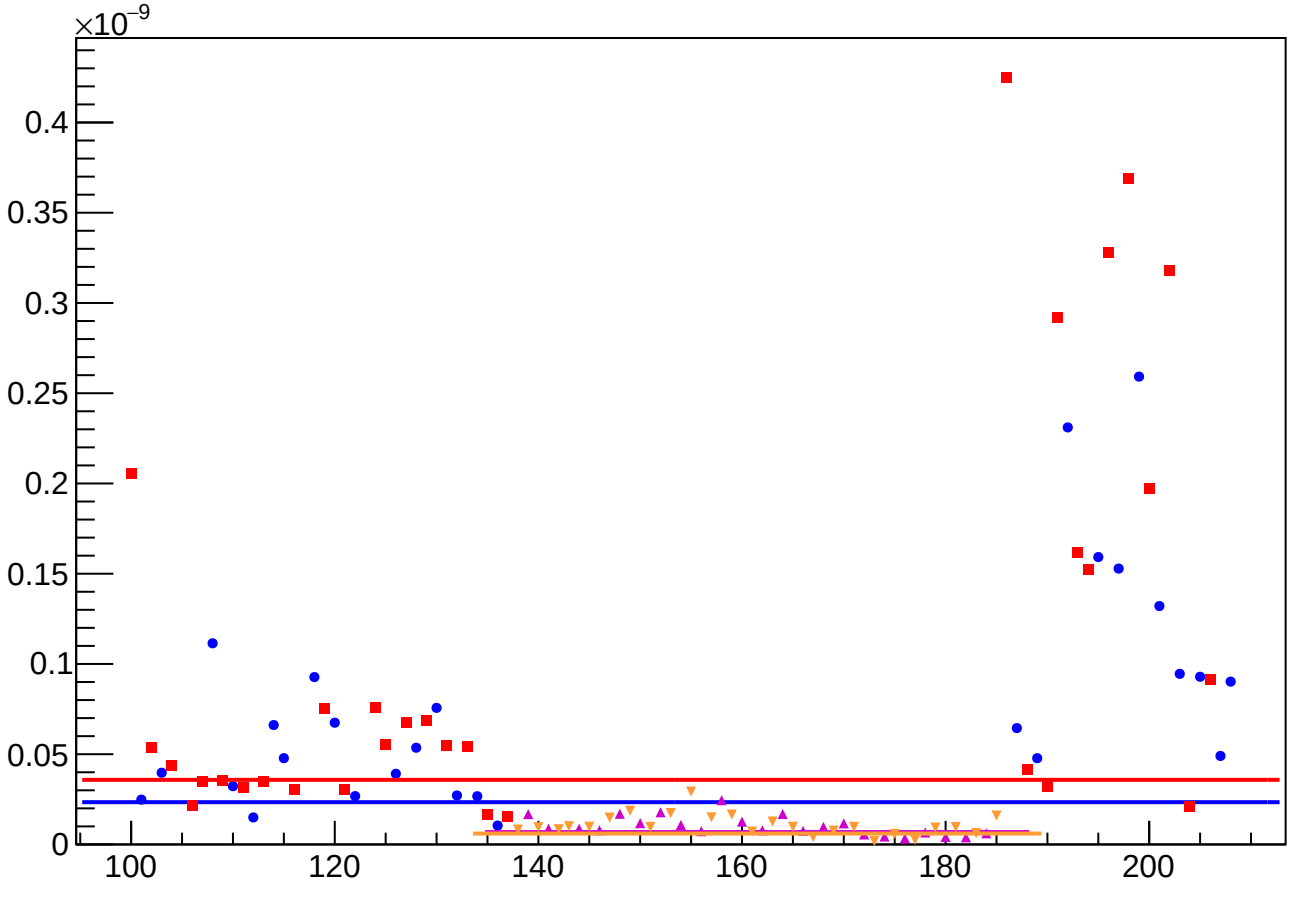
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 54.3/57

In: 0.000+/-0.000 χ^2/NDF:50.4/49

Out: 0.000+/-0.000 χ^2/NDF:39.6/55

All: 0.000+/-0.000 χ^2/NDF: 90.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 6072560.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5074475.5/30

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

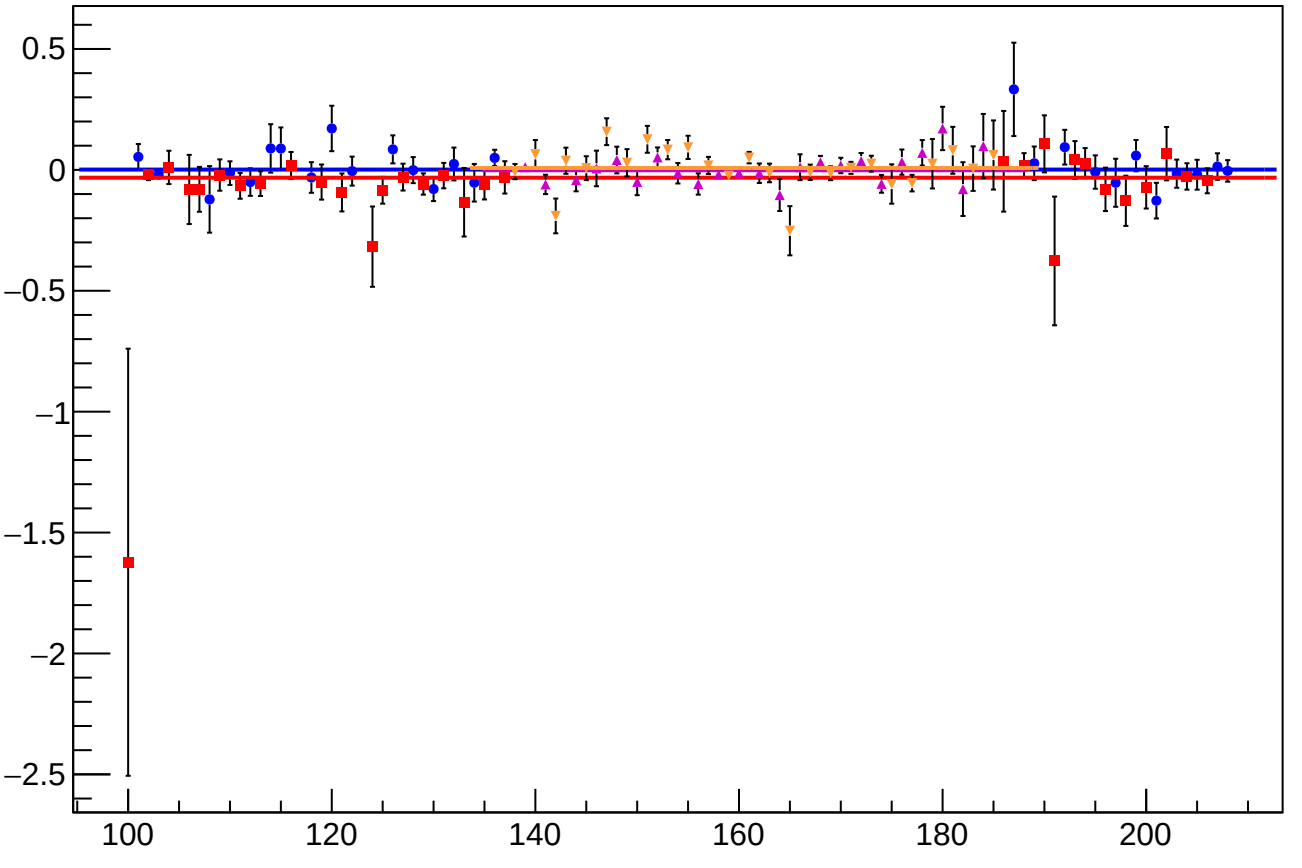
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11713714.3/57

In: 0.000+/-0.000 χ^2/NDF:11145292.0/49

Out: 0.000+/-0.000 χ^2/NDF:13691541.4/55

All: 0.000+/-0.000 χ^2/NDF: 24926364.6/105



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

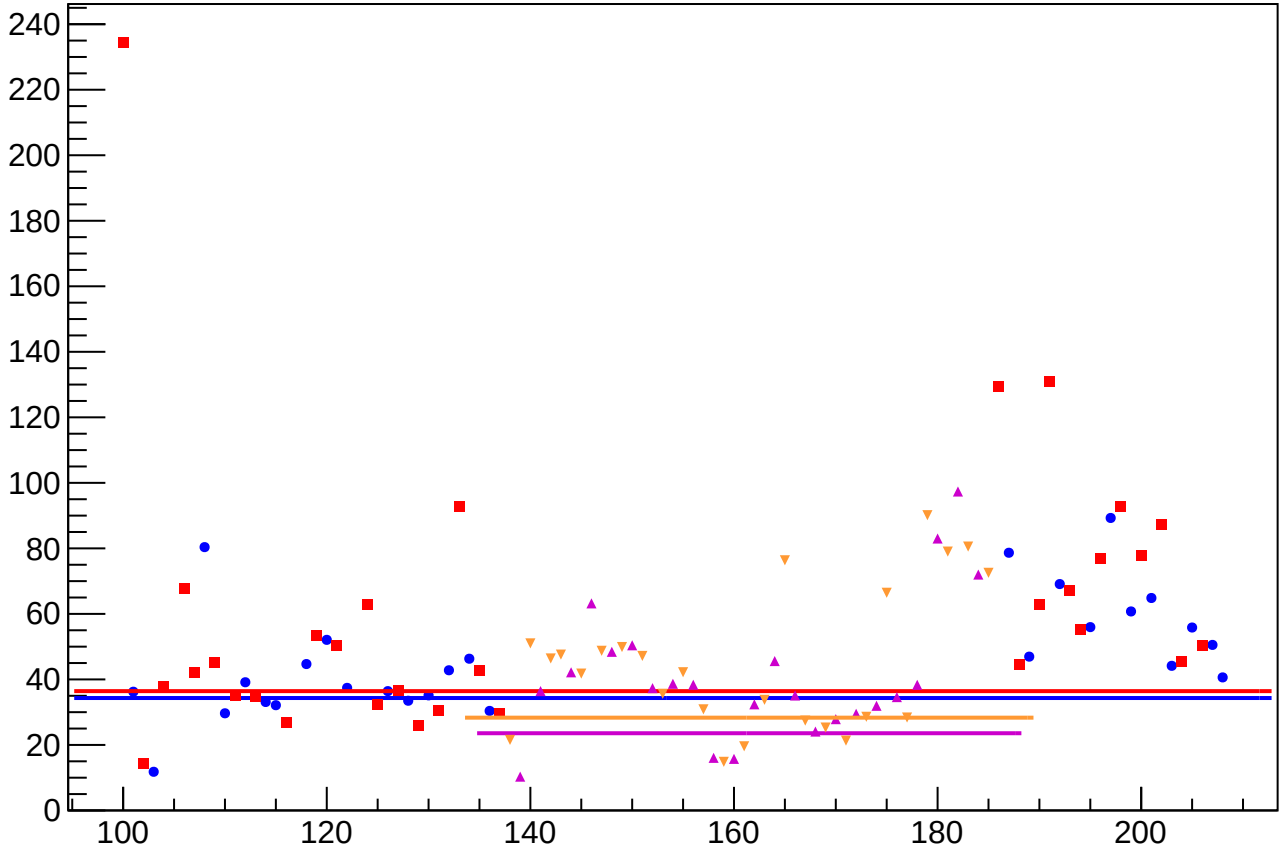
Right: -0.015+/-0.007 χ^2/NDF: 50.3/57

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/105

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

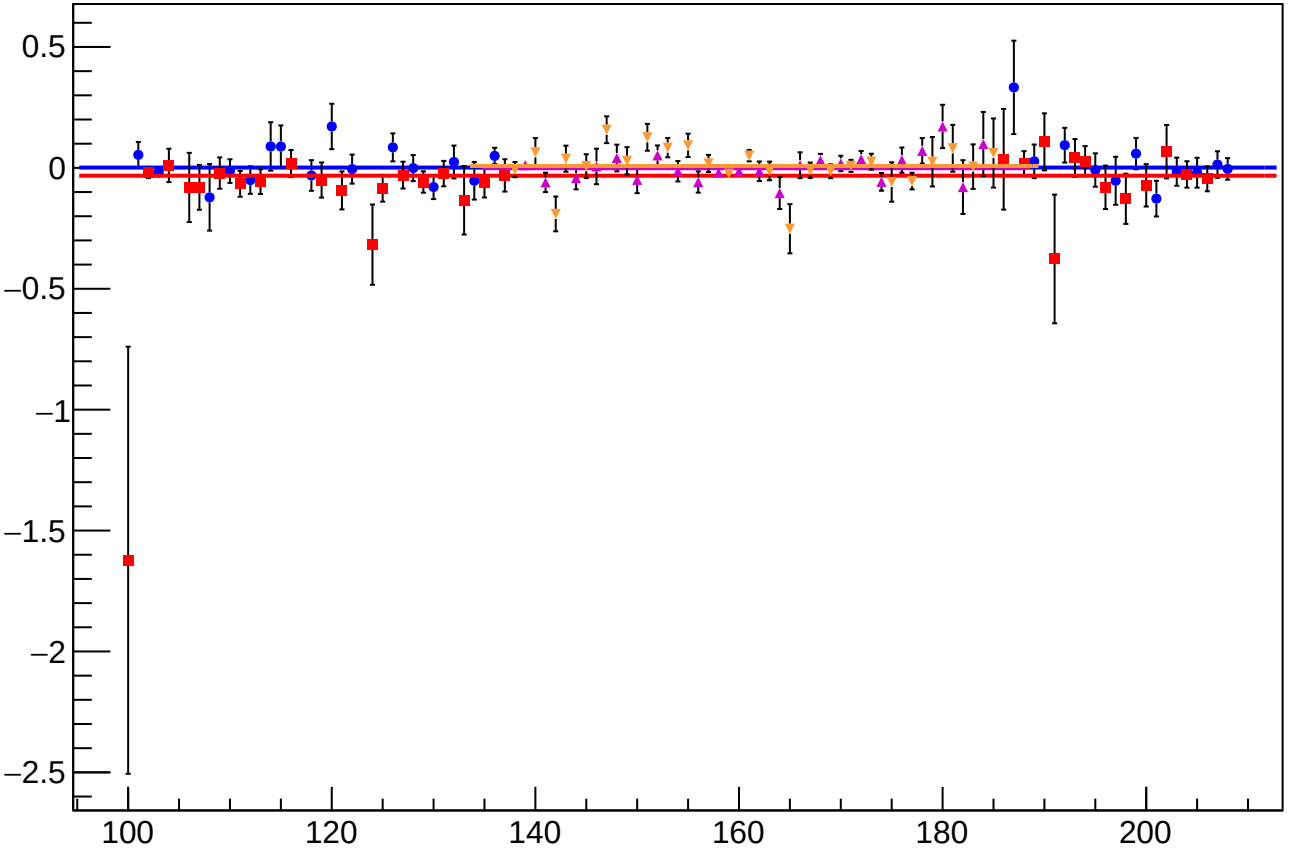
Right: 35.305+/-0.005 χ^2/NDF: 12321024.6/57

In: 26.847+/-0.004 χ^2/NDF:15553473.2/49

Out: 30.945+/-0.004 χ^2/NDF:14039601.1/55

All: 28.705+/-0.003 χ^2/NDF: 30065806.1/105

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

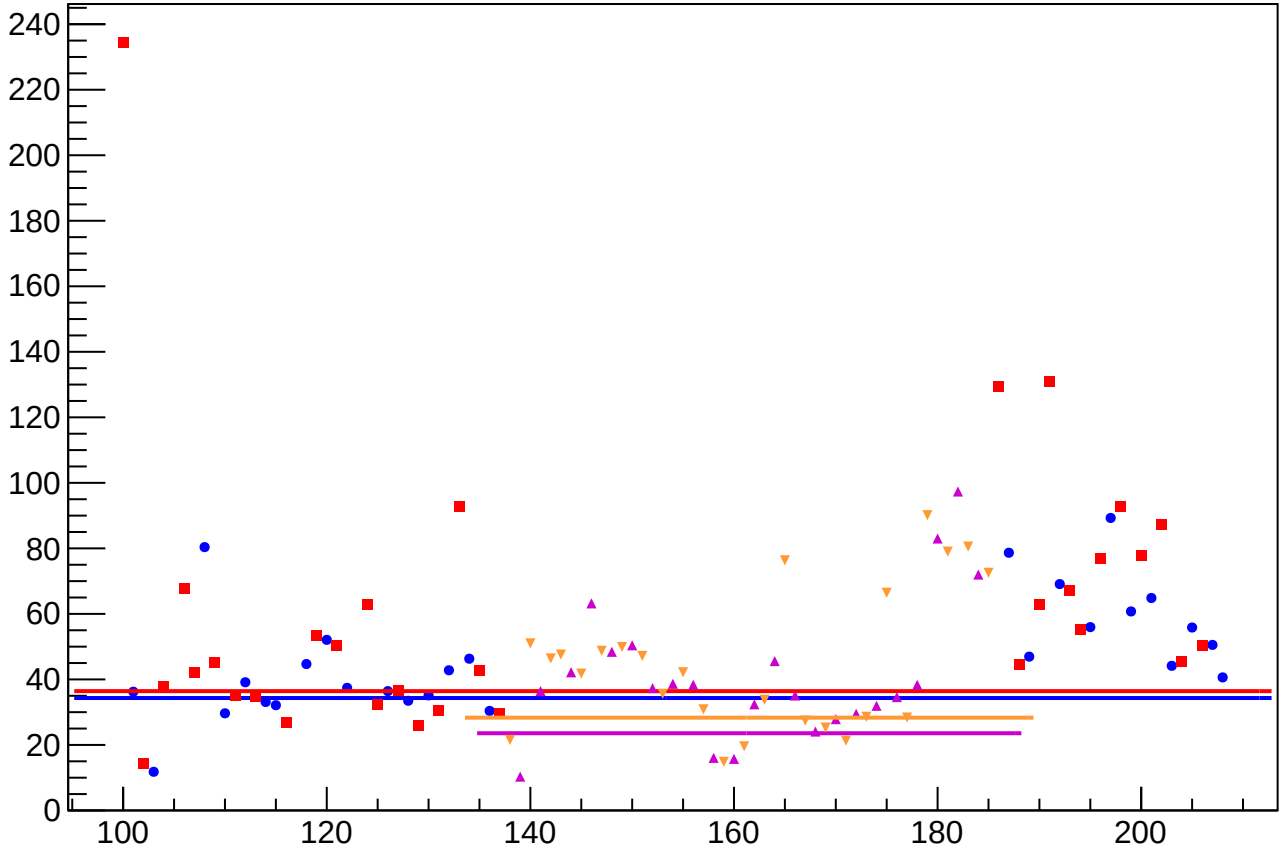
Right: -0.015+/-0.007 χ^2/NDF: 50.3/57

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/105

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

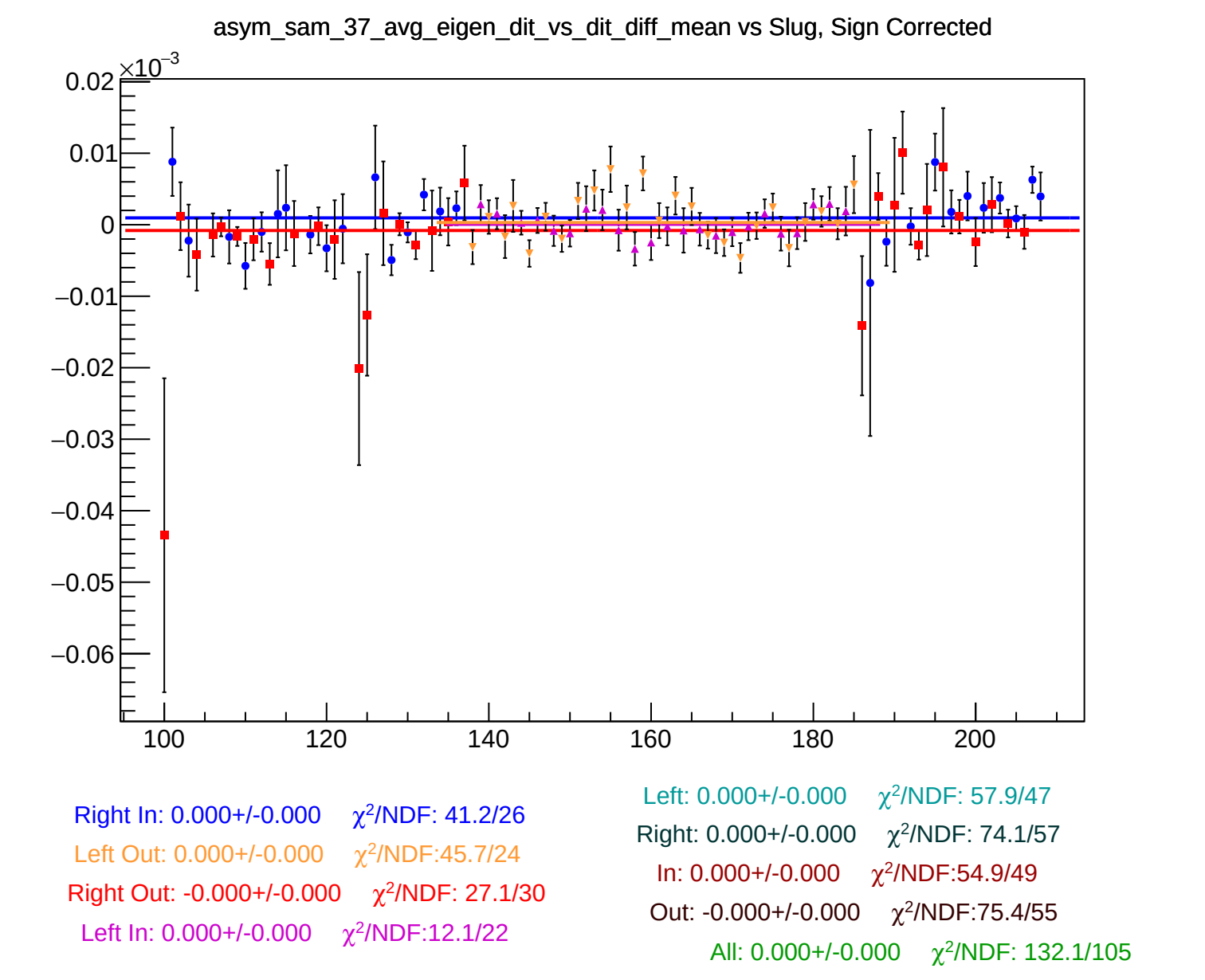
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

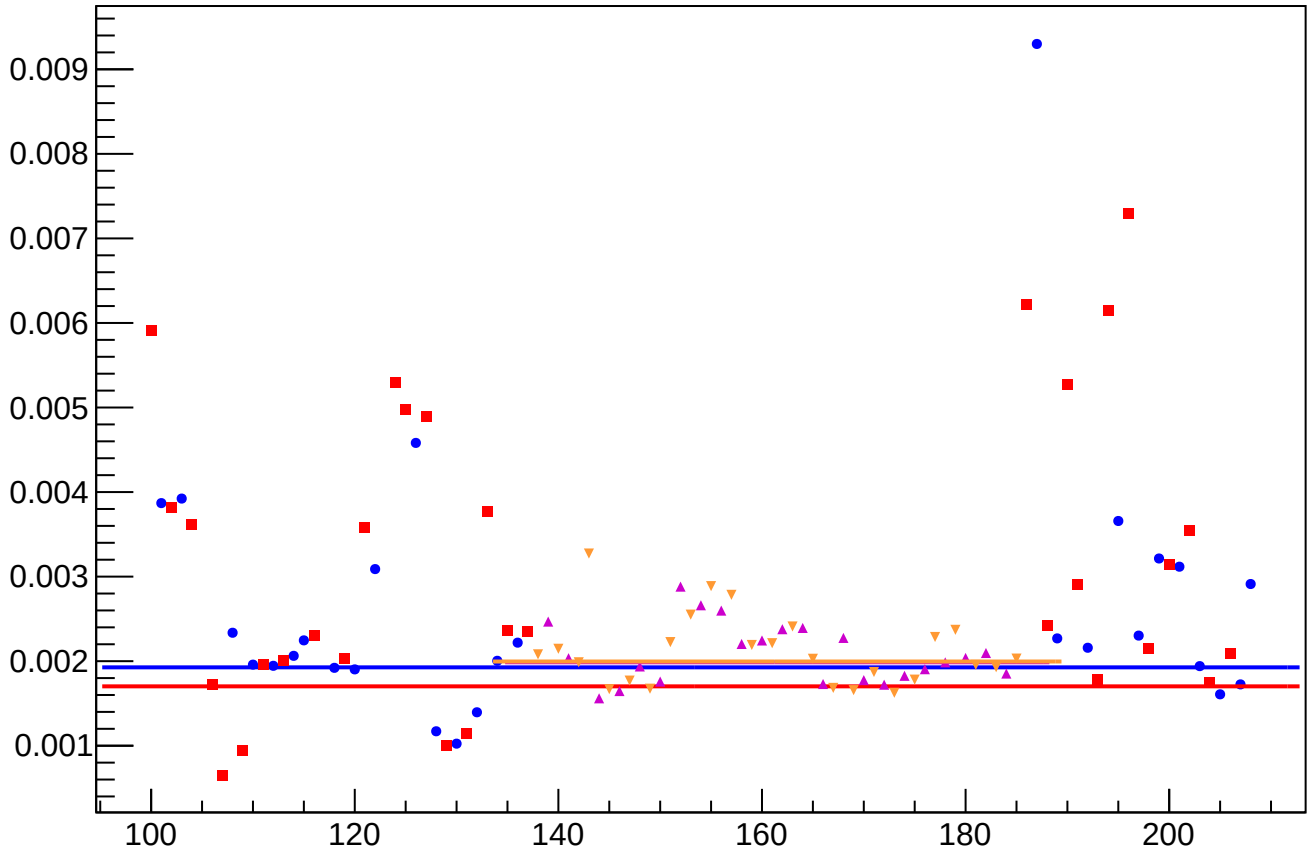
Right: 35.305+/-0.005 χ^2/NDF: 12321024.6/57

In: 26.847+/-0.004 χ^2/NDF:15553473.2/49

Out: 30.945+/-0.004 χ^2/NDF:14039601.1/55

All: 28.705+/-0.003 χ^2/NDF: 30065806.1/105


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 41.2/26
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/30
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: 0.000+/-0.000 χ²/NDF: 74.1/57
In: 0.000+/-0.000 χ²/NDF:54.9/49
Out: -0.000+/-0.000 χ²/NDF:75.4/55
All: 0.000+/-0.000 χ²/NDF: 132.1/105



Right In: 0.002+/-0.000 χ^2/NDF: 3750695.6/26

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8548563.6/30

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

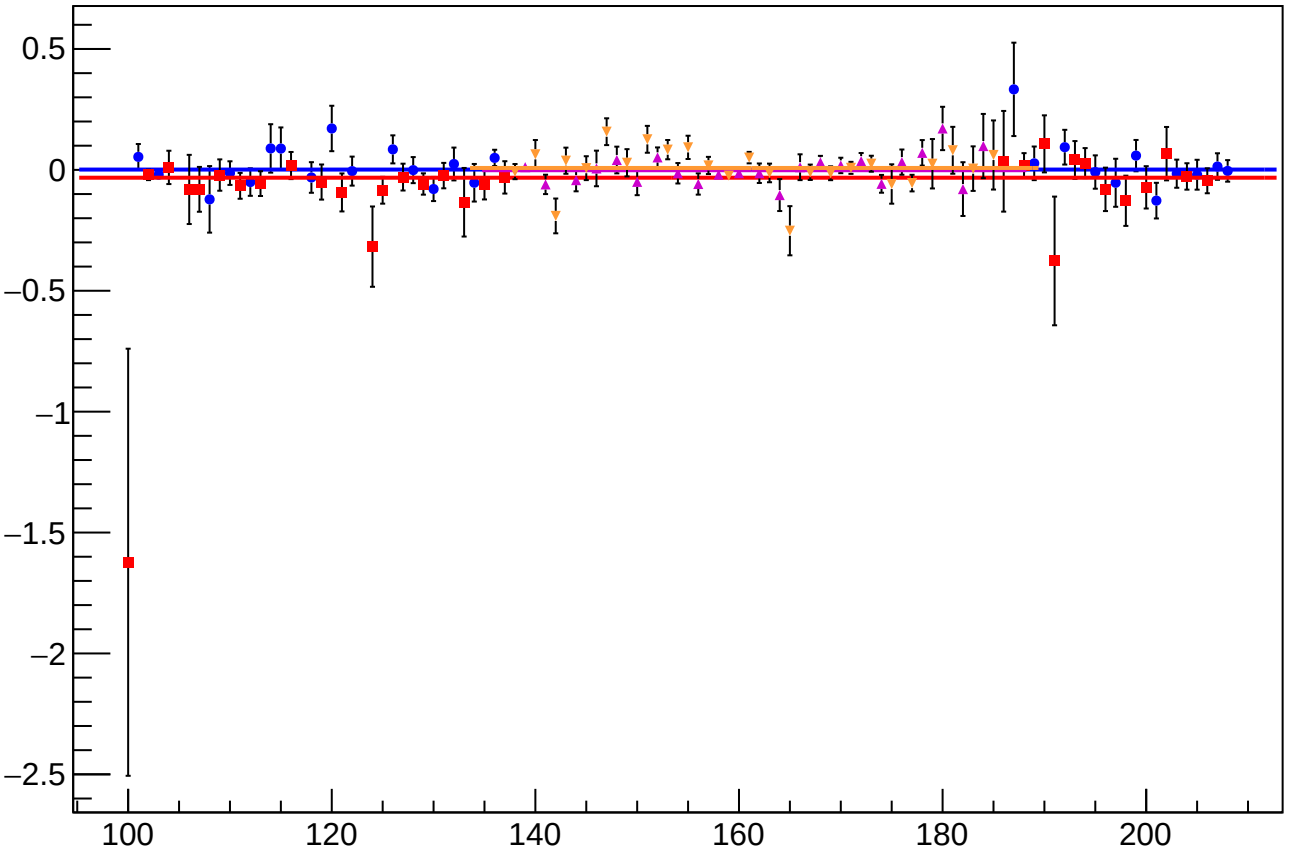
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12484072.7/57

In: 0.002+/-0.000 χ^2/NDF:4688820.0/49

Out: 0.002+/-0.000 χ^2/NDF:10087778.9/55

All: 0.002+/-0.000 χ^2/NDF: 14855876.9/105



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

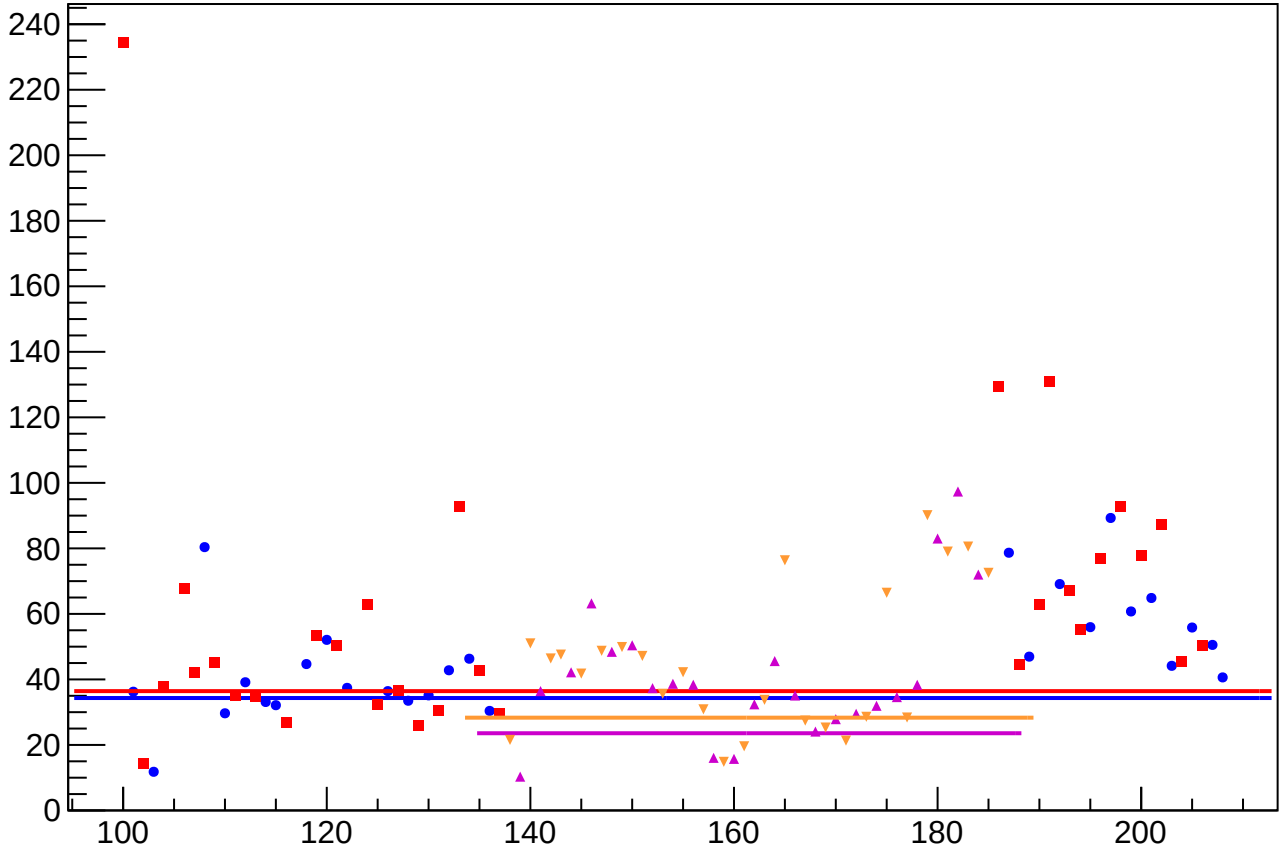
Right: -0.015+/-0.007 χ^2/NDF: 50.3/57

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/105

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

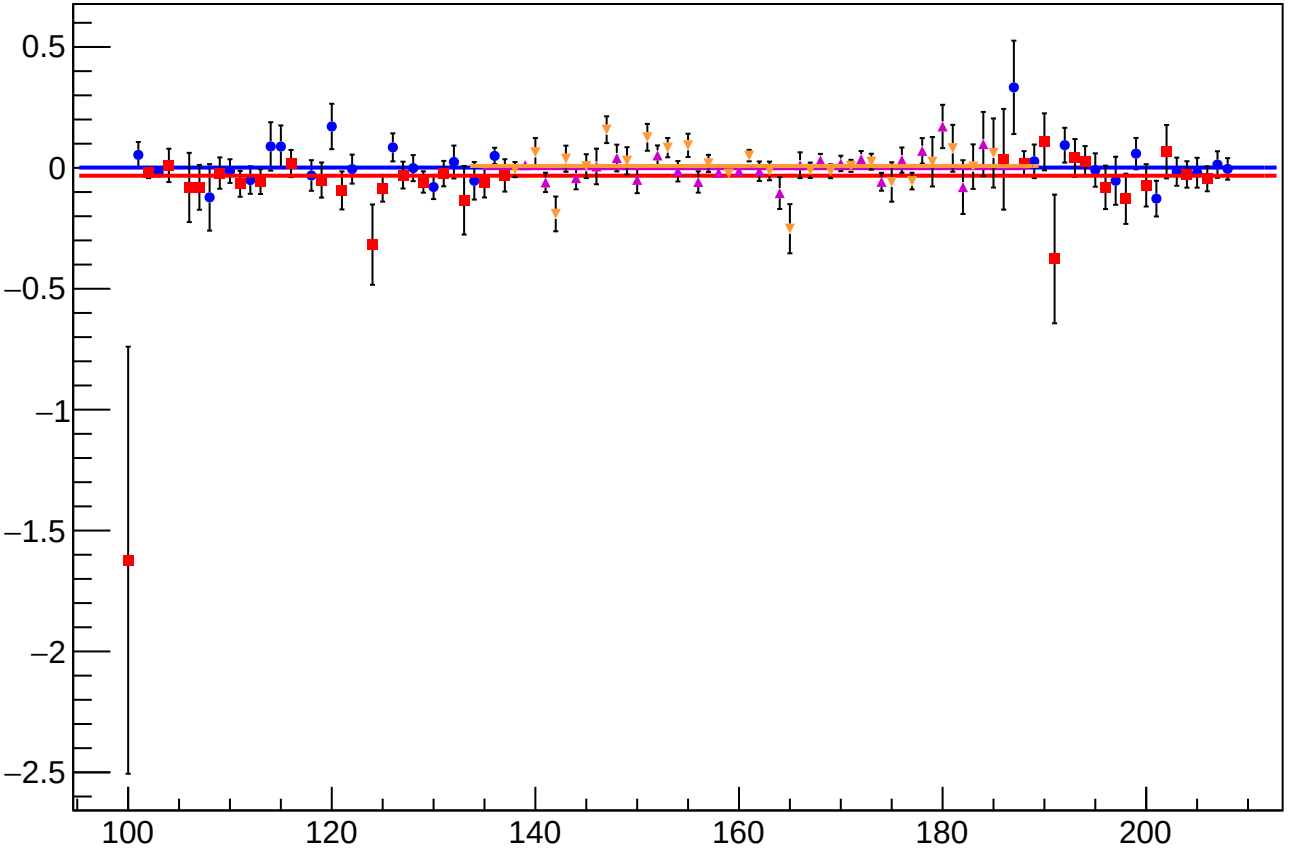
Right: 35.306+/-0.005 χ^2/NDF: 12320395.7/57

In: 26.846+/-0.004 χ^2/NDF:15555102.0/49

Out: 30.946+/-0.004 χ^2/NDF:14039421.7/55

All: 28.705+/-0.003 χ^2/NDF: 30067618.4/105

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/30

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

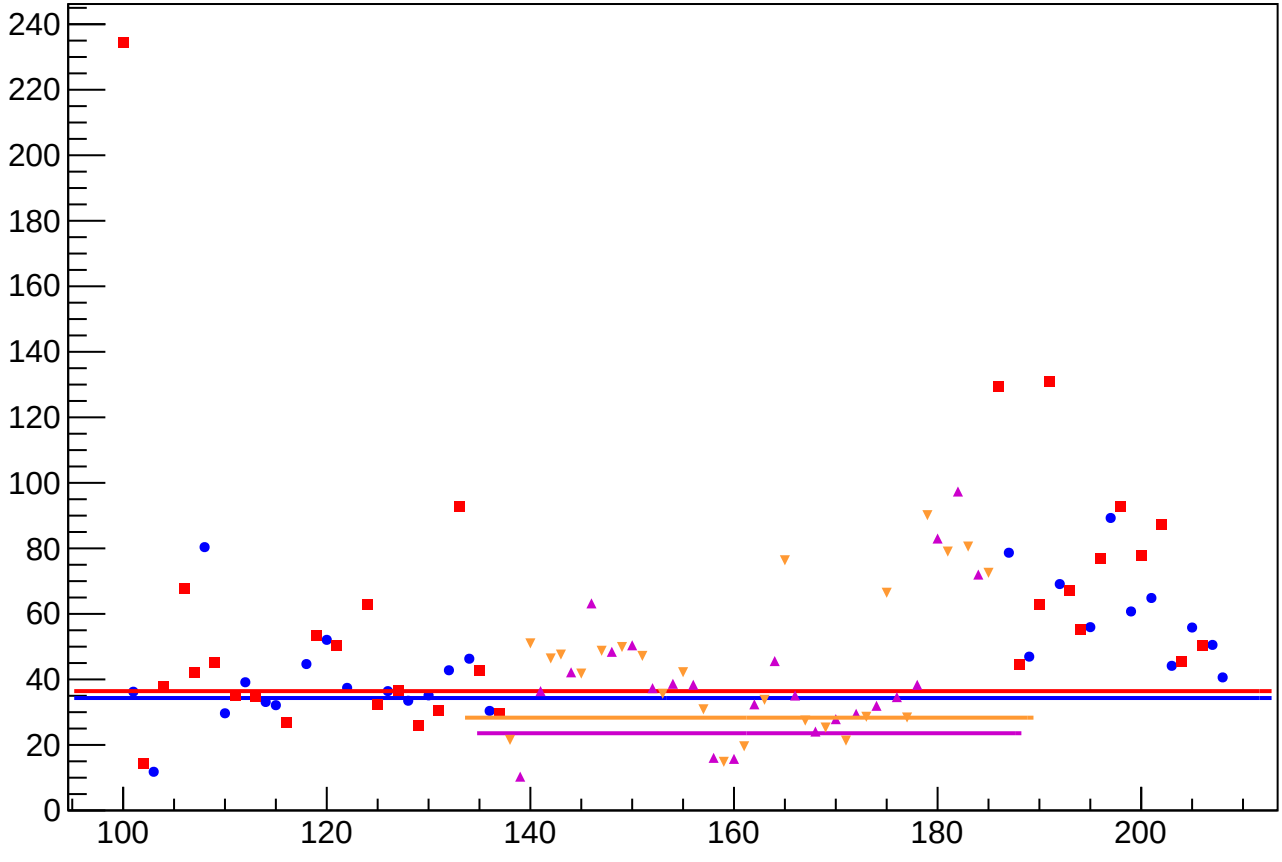
Right: -0.015+/-0.007 χ^2/NDF: 50.3/57

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/105

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

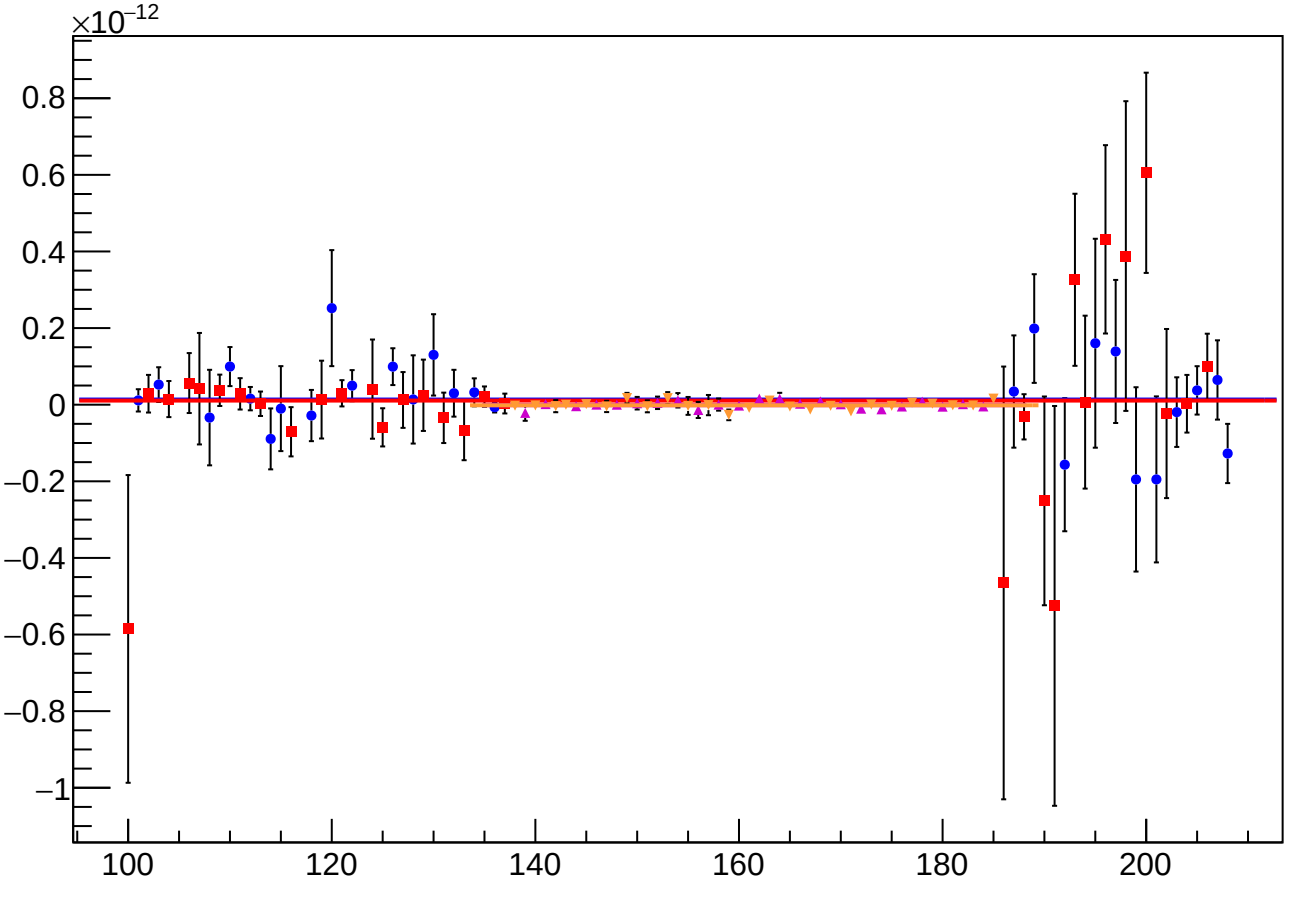
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.306+/-0.005 χ^2/NDF: 12320395.7/57

In: 26.846+/-0.004 χ^2/NDF:15555102.0/49

Out: 30.946+/-0.004 χ^2/NDF:14039421.7/55

All: 28.705+/-0.003 χ^2/NDF: 30067618.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/30

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

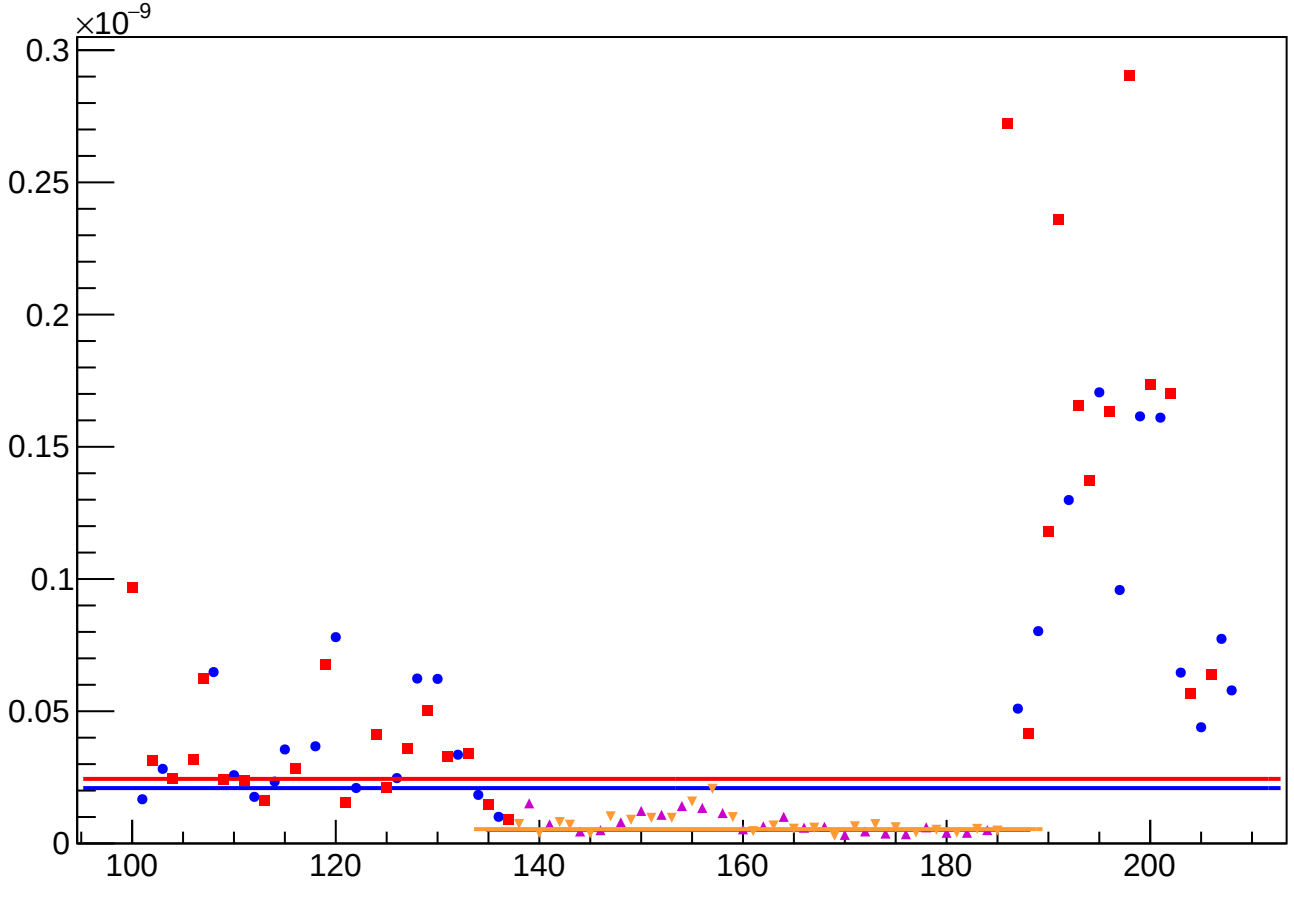
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/57

In: -0.000+/-0.000 χ^2/NDF:43.3/49

Out: -0.000+/-0.000 χ^2/NDF:43.2/55

All: -0.000+/-0.000 χ^2/NDF: 86.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 8171051.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8410515.5/30

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

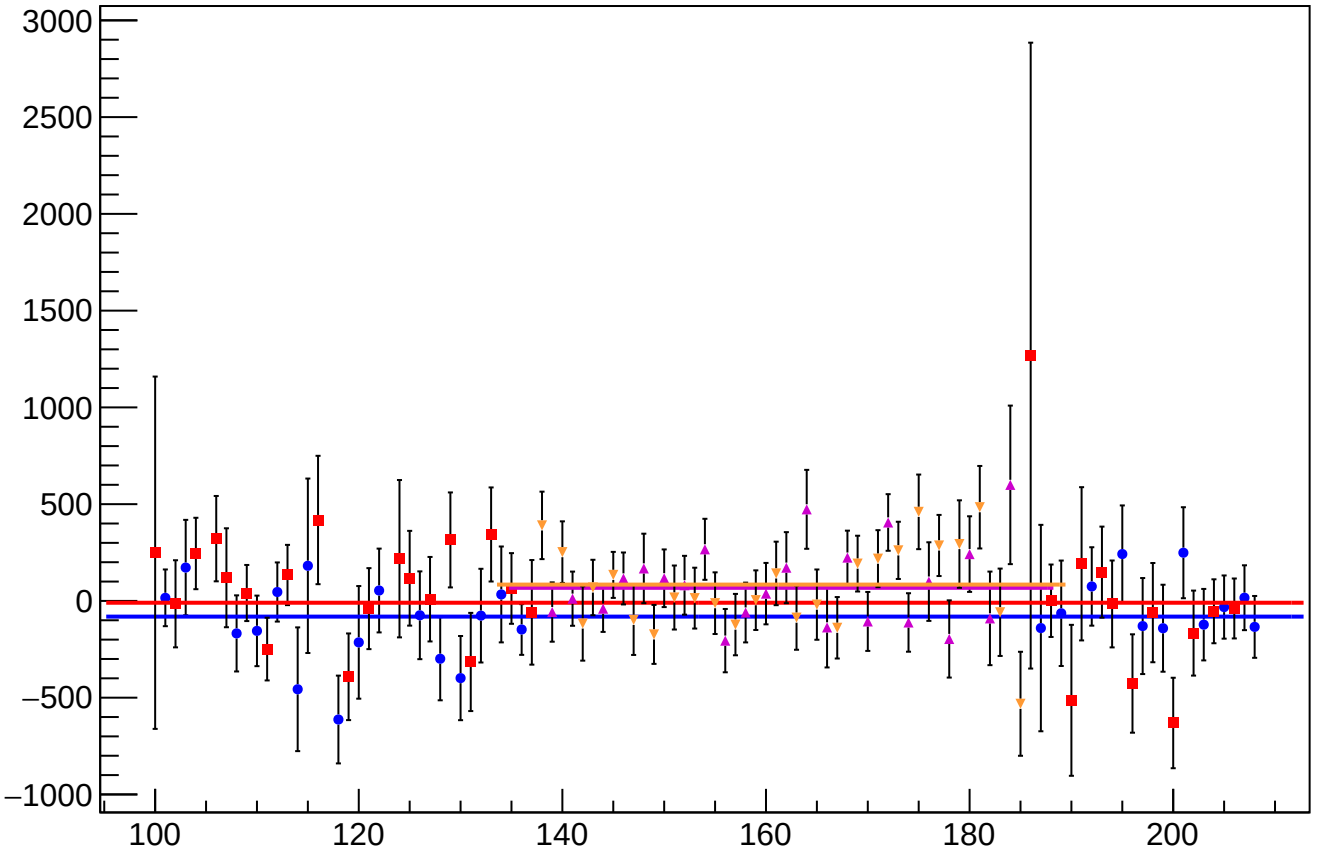
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16708798.4/57

In: 0.000+/-0.000 χ^2/NDF:17337074.9/49

Out: 0.000+/-0.000 χ^2/NDF:17972450.7/55

All: 0.000+/-0.000 χ^2/NDF: 35326167.4/105



Right In: -81.086+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -9.409+/-39.862 χ^2/NDF: 31.8/30

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

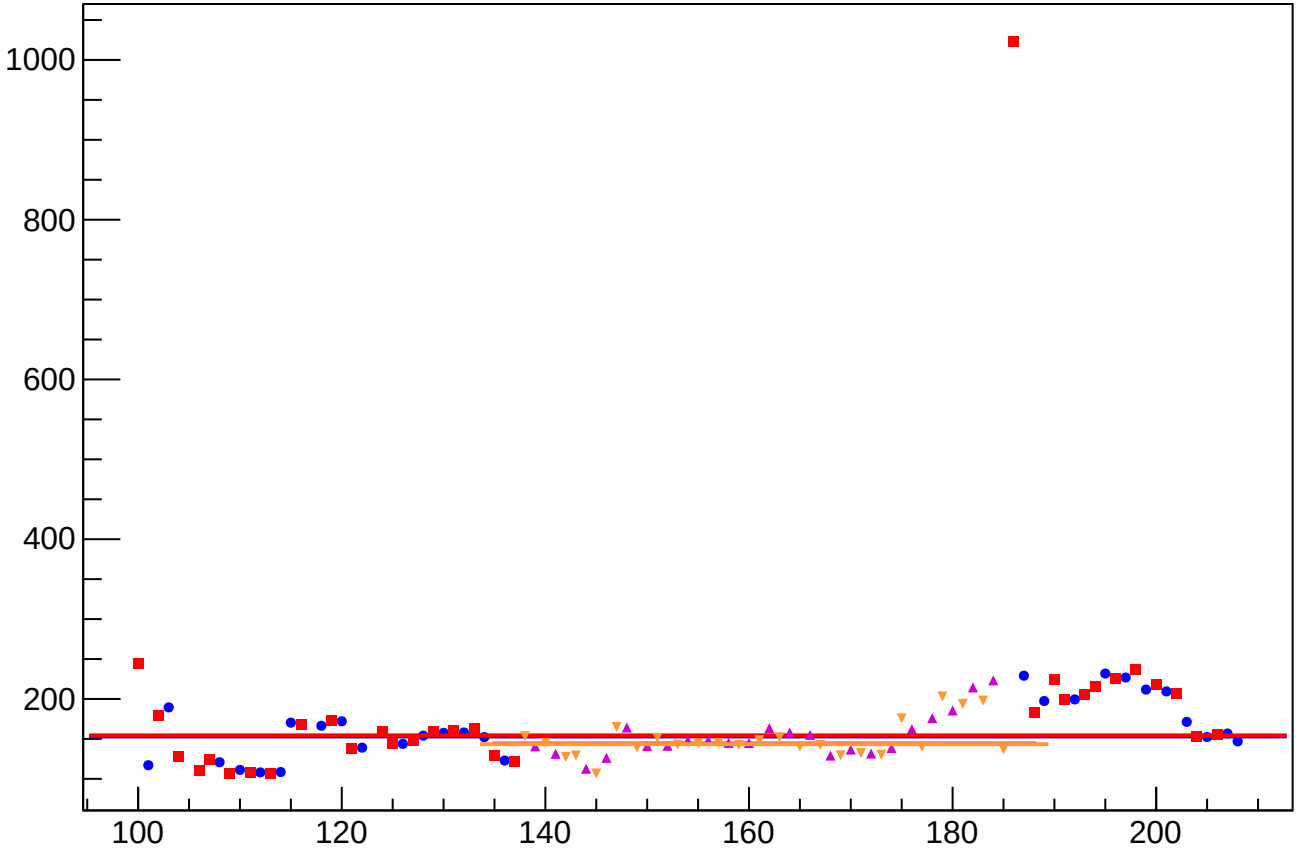
Right: -45.432+/-28.114 χ^2/NDF: 52.3/57

In: 4.343+/-25.872 χ^2/NDF:53.5/49

Out: 46.159+/-25.436 χ^2/NDF:68.9/55

All: 25.606+/-18.138 χ^2/NDF: 123.7/105

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.089+/-0.028 χ^2/NDF: 1519950.6/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.407+/-0.028 χ^2/NDF: 2442186.5/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

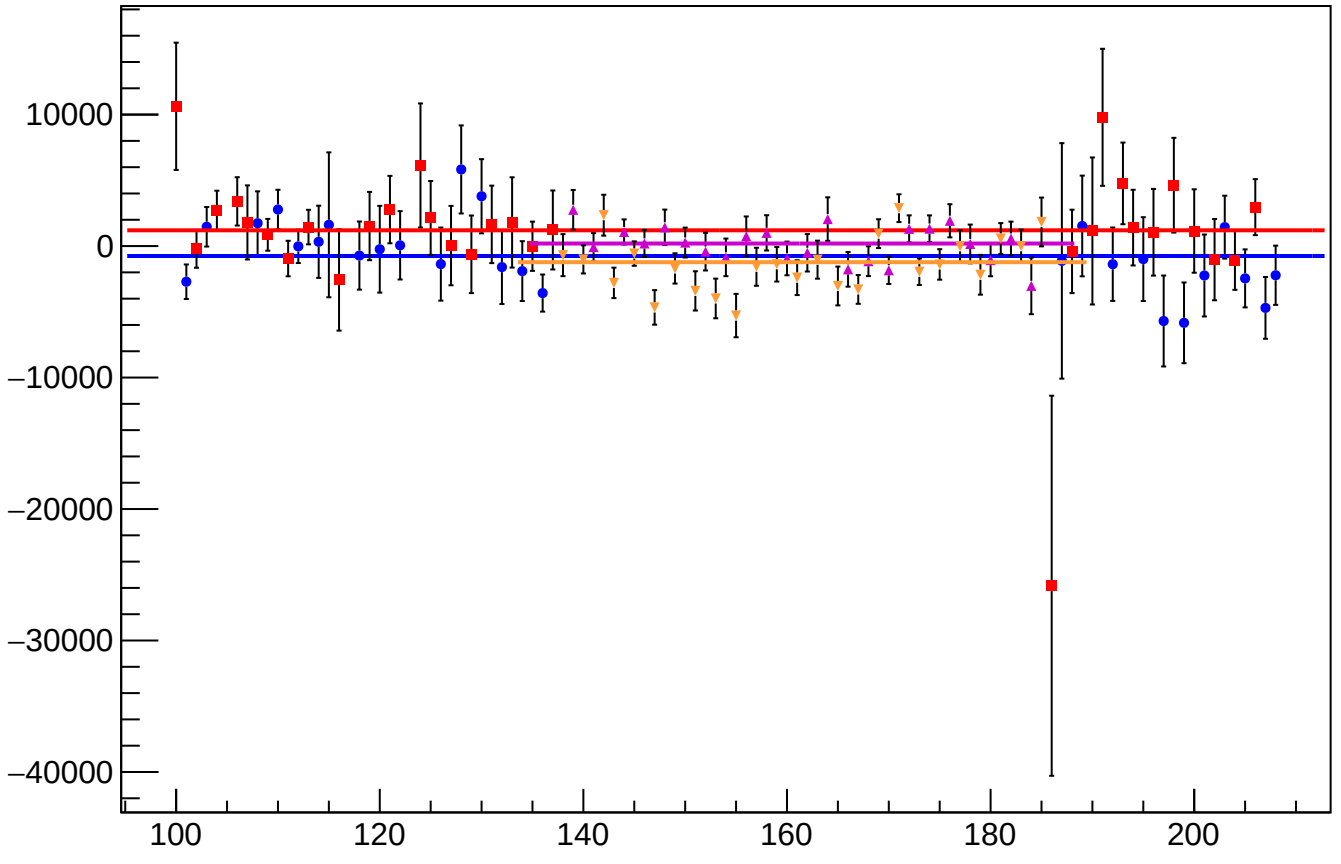
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.744+/-0.020 χ^2/NDF: 3963235.2/57

In: 147.966+/-0.018 χ^2/NDF:2280765.7/49

Out: 147.907+/-0.018 χ^2/NDF:3278908.4/55

All: 147.936+/-0.013 χ^2/NDF: 5559679.4/105



Right In: -755.738+/-432.913 χ^2/NDF: 32.7/26

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1199.042+/-417.088 χ^2/NDF: 24.4/30

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

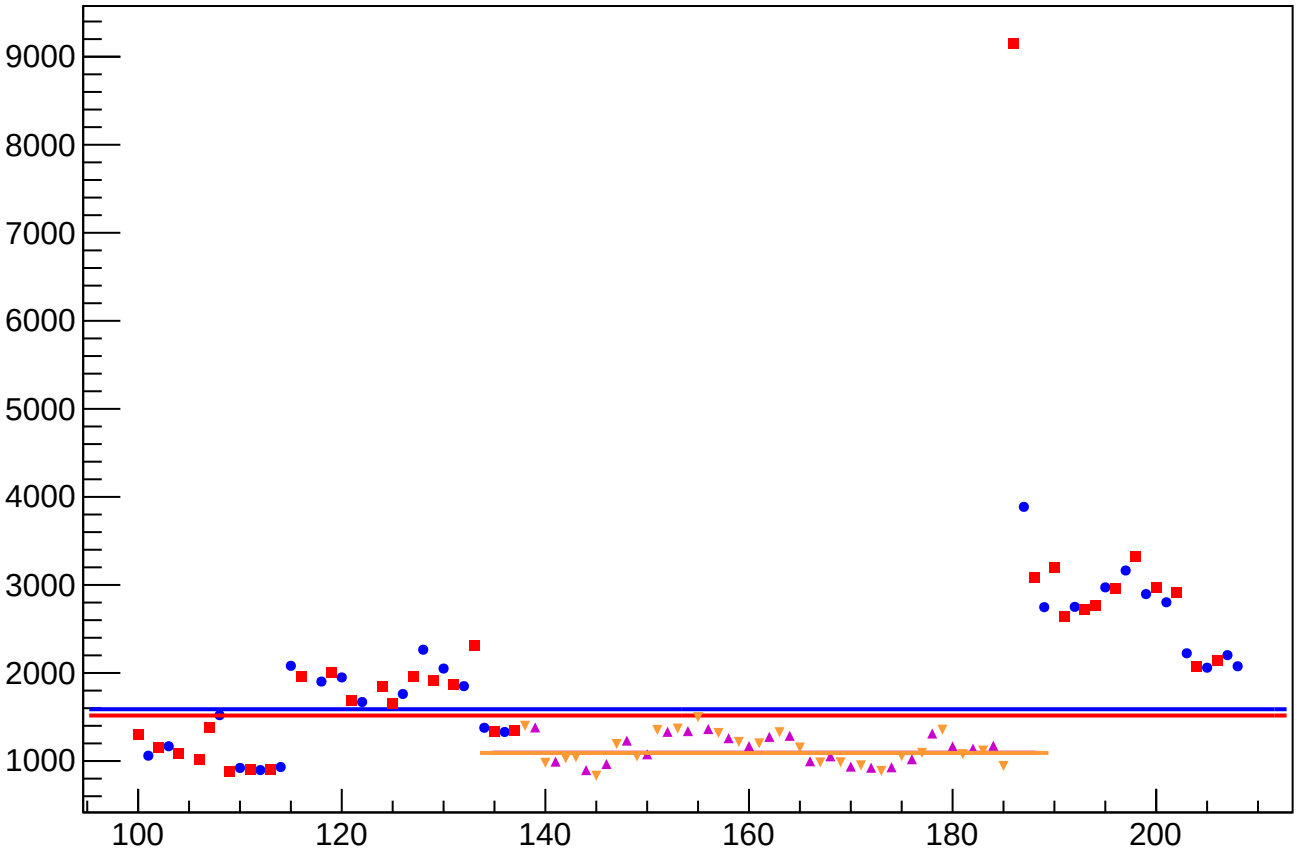
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 258.032+/-300.364 χ^2/NDF: 67.7/57

In: -56.369+/-222.210 χ^2/NDF:59.6/49

Out: -577.669+/-215.543 χ^2/NDF:108.4/55

All: -324.957+/-154.715 χ^2/NDF: 170.8/105



Right In: 1588.354+/-0.306 χ^2/NDF: 4482963.9/26

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1516.757+/-0.295 χ^2/NDF: 6219038.6/30

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

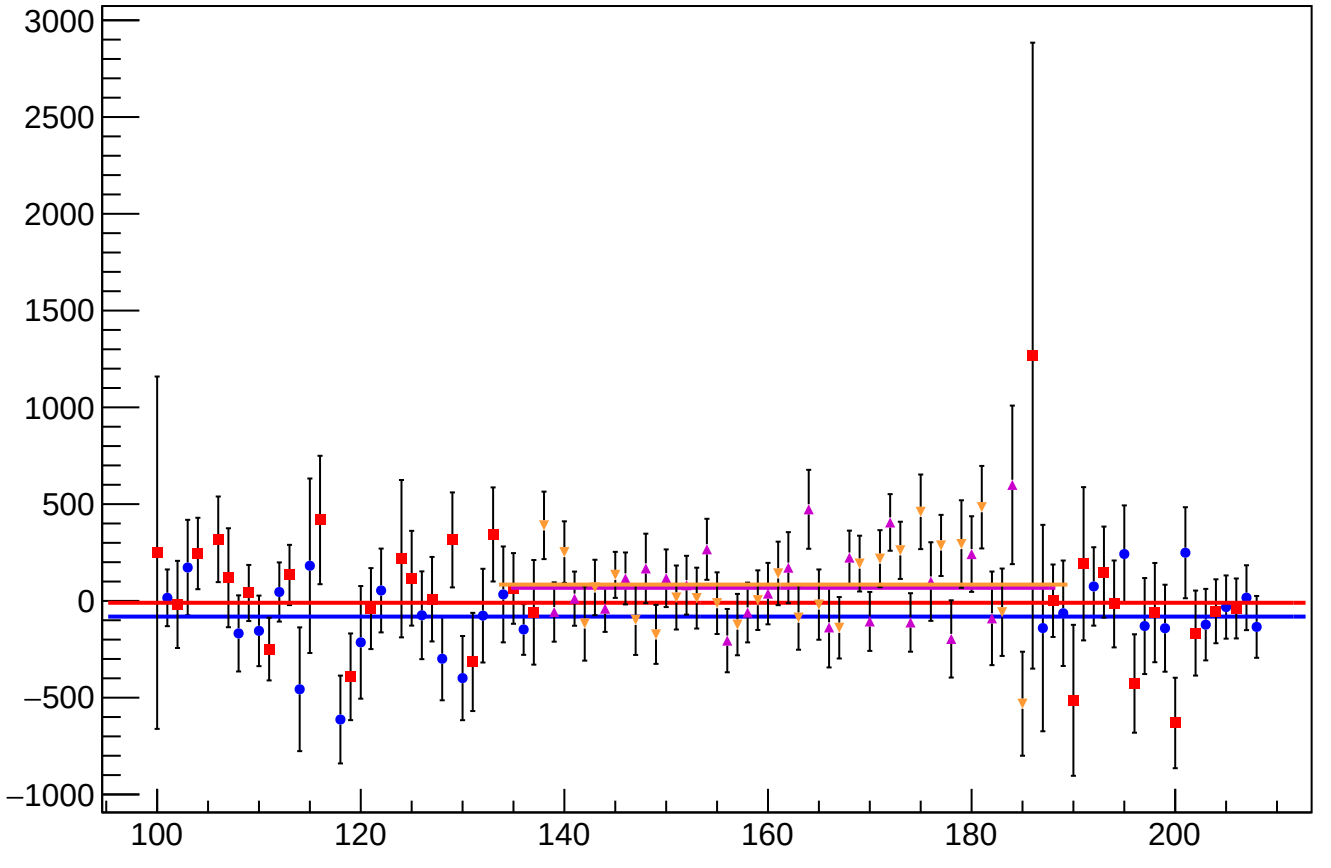
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

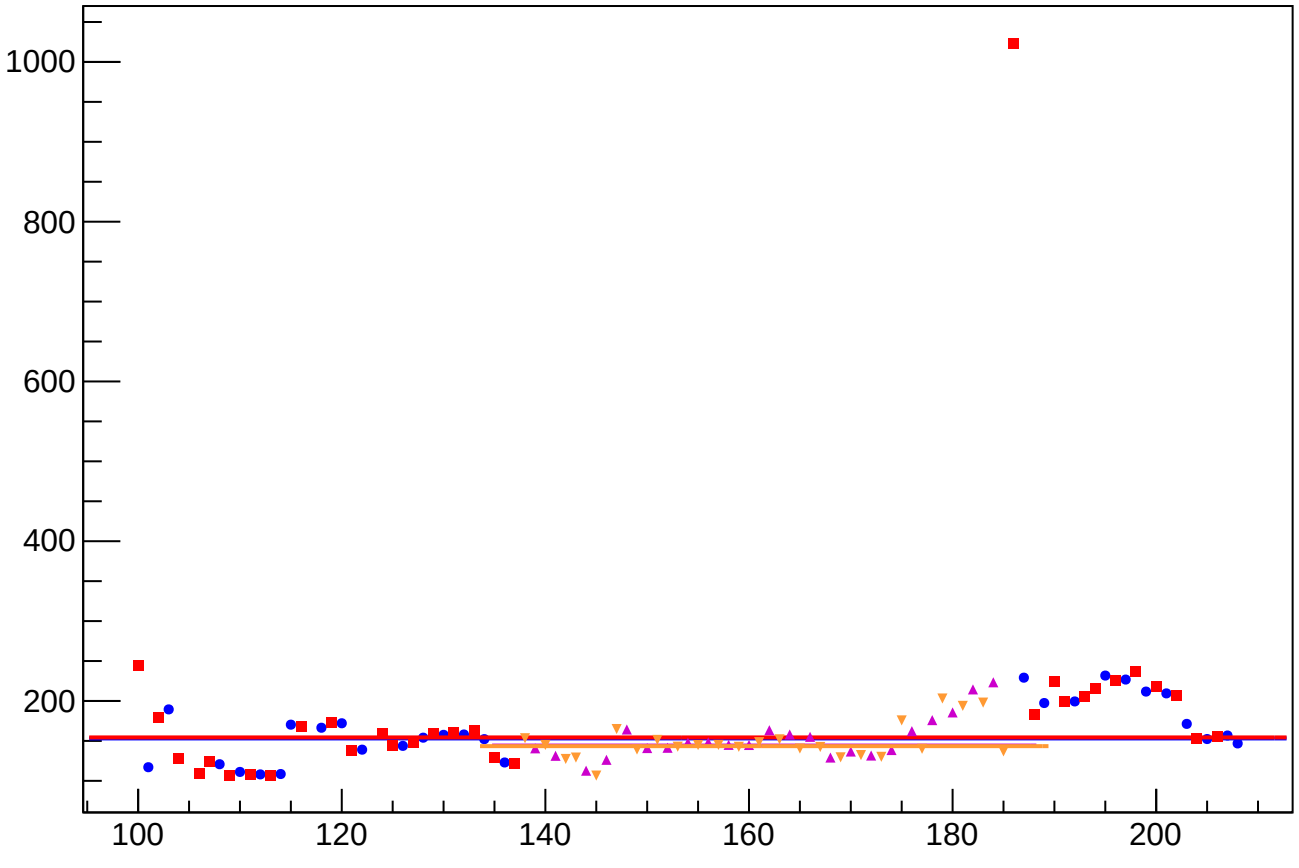
Right: 1551.223+/-0.212 χ^2/NDF: 10730372.4/57

In: 1224.599+/-0.157 χ^2/NDF:7133090.6/49

Out: 1205.421+/-0.152 χ^2/NDF:8631910.0/55

All: 1214.718+/-0.109 χ^2/NDF: 15772675.8/1


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -81.094+/-39.657 χ²/NDF: 18.9/26
Left Out: 84.338+/-33.036 χ²/NDF:33.8/24
Right Out: -9.694+/-39.867 χ²/NDF: 31.7/30
Left In: 67.648+/-34.137 χ²/NDF:26.5/22
Left: 76.266+/-23.739 χ²/NDF: 60.5/47
Right: -45.583+/-28.115 χ²/NDF: 52.3/57
In: 4.341+/-25.872 χ²/NDF:53.5/49
Out: 46.056+/-25.437 χ²/NDF:68.8/55
All: 25.552+/-18.138 χ²/NDF: 123.7/105



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

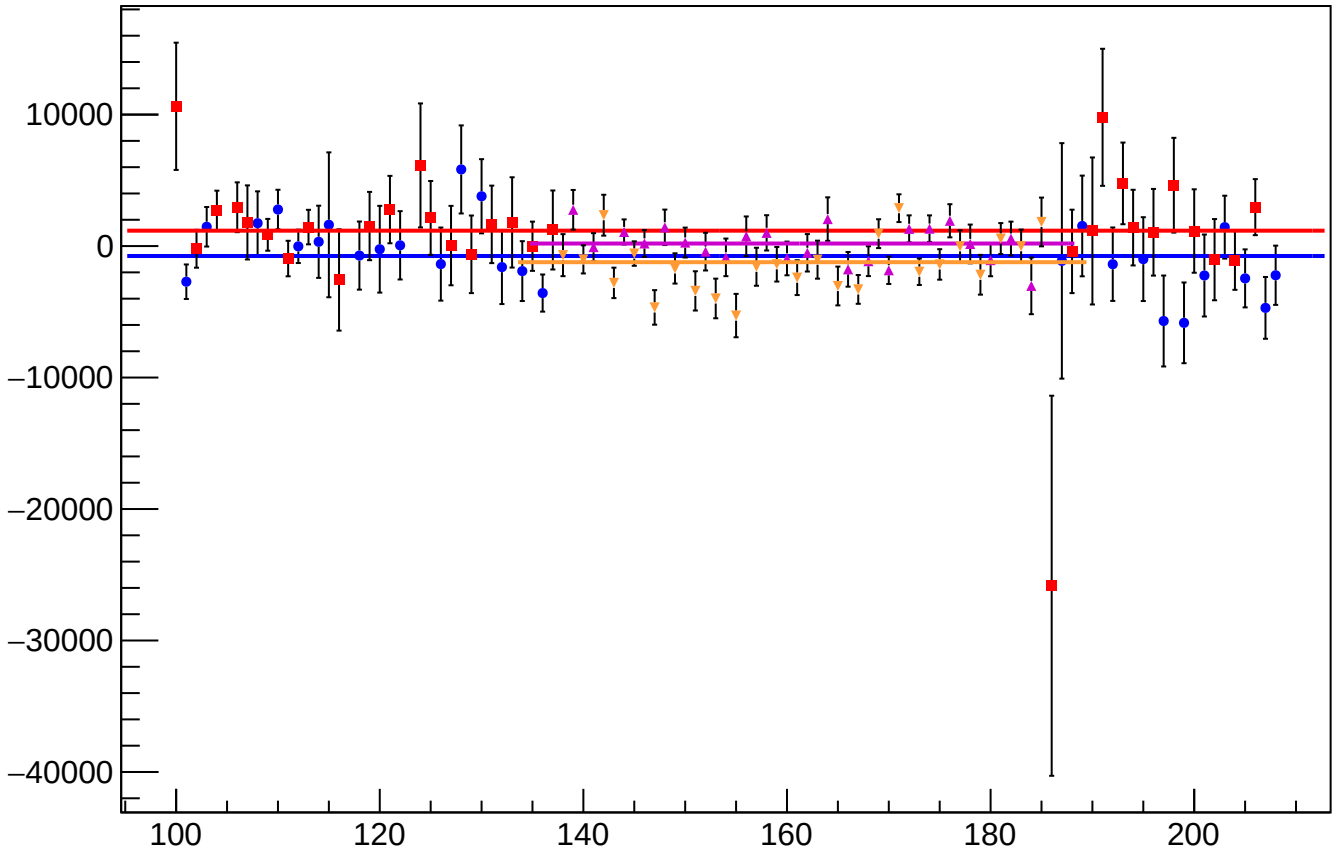
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.724+/-0.020 χ^2/NDF: 3968655.9/57

In: 147.966+/-0.018 χ^2/NDF:2280768.3/49

Out: 147.890+/-0.018 χ^2/NDF:3283710.0/55

All: 147.927+/-0.013 χ^2/NDF: 5564487.2/105



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1171.307+/-417.740 χ^2/NDF: 23.8/30

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

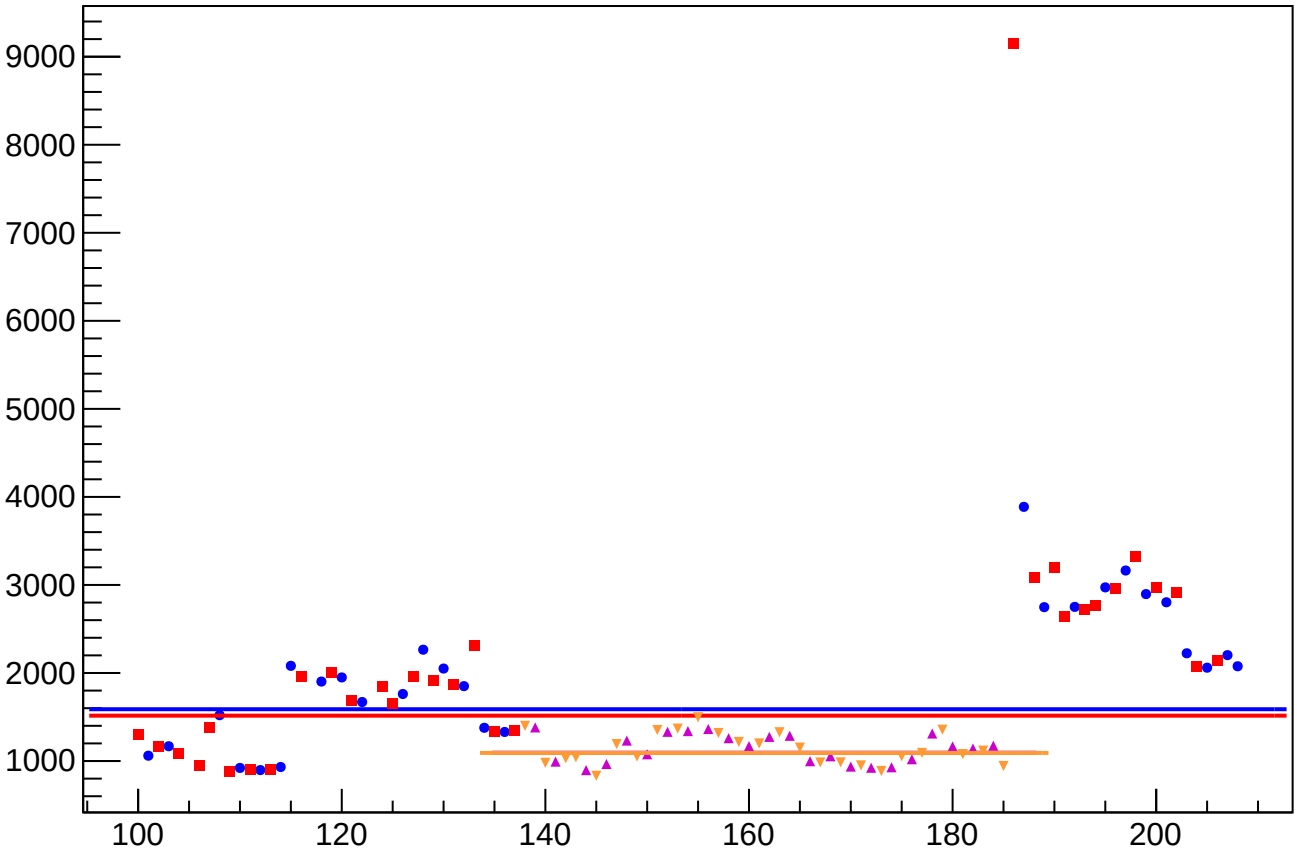
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 242.125+/-300.609 χ^2/NDF: 66.8/57

In: -56.379+/-222.211 χ^2/NDF:59.6/49

Out: -586.527+/-215.632 χ^2/NDF:107.2/55

All: -329.416+/-154.748 χ^2/NDF: 169.7/105



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

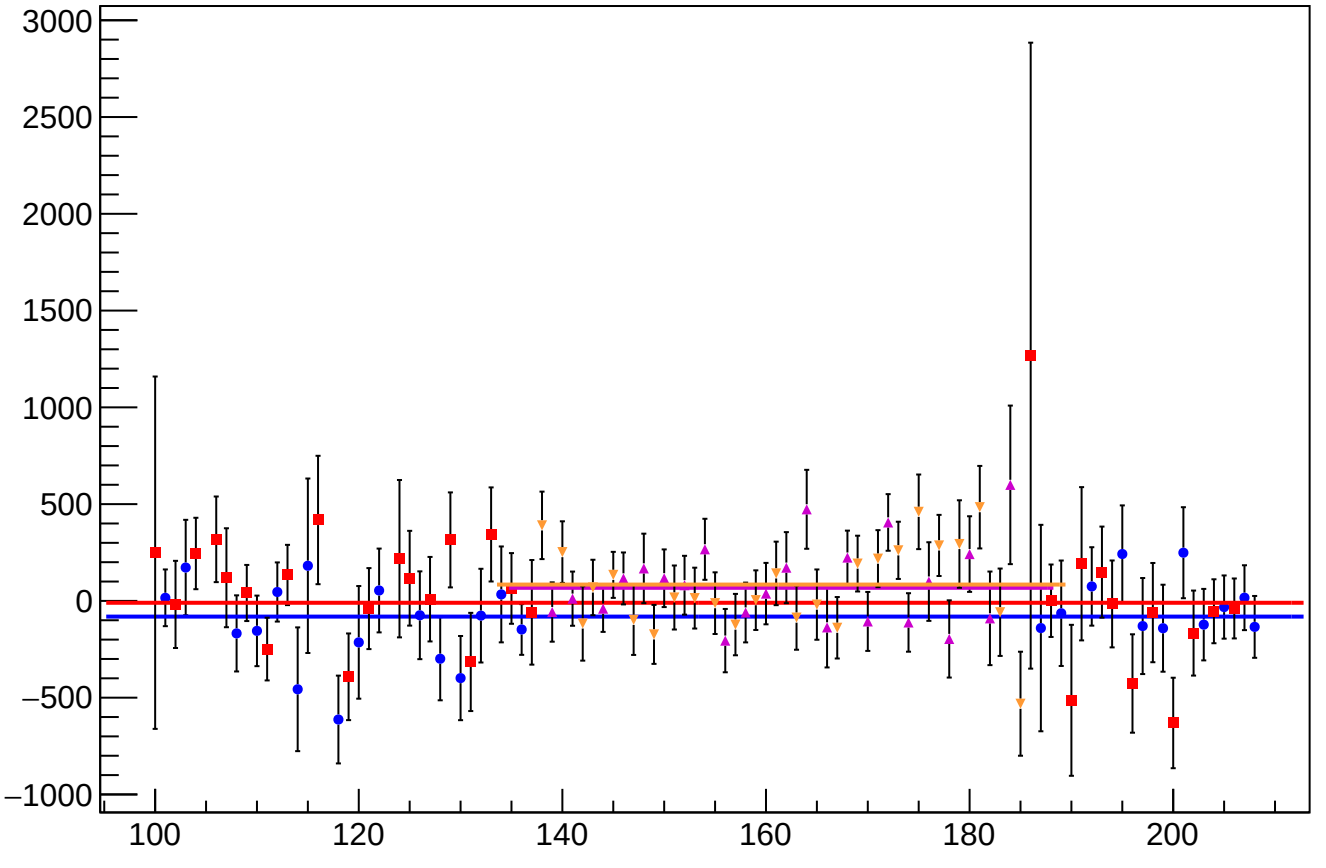
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1550.559+/-0.213 χ^2/NDF: 10758717.5/57

In: 1224.601+/-0.157 χ^2/NDF:7133077.8/49

Out: 1204.788+/-0.152 χ^2/NDF:8645785.5/55

All: 1214.397+/-0.109 χ^2/NDF: 15787052.8/



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -9.694+/-39.867 χ^2/NDF: 31.7/30

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

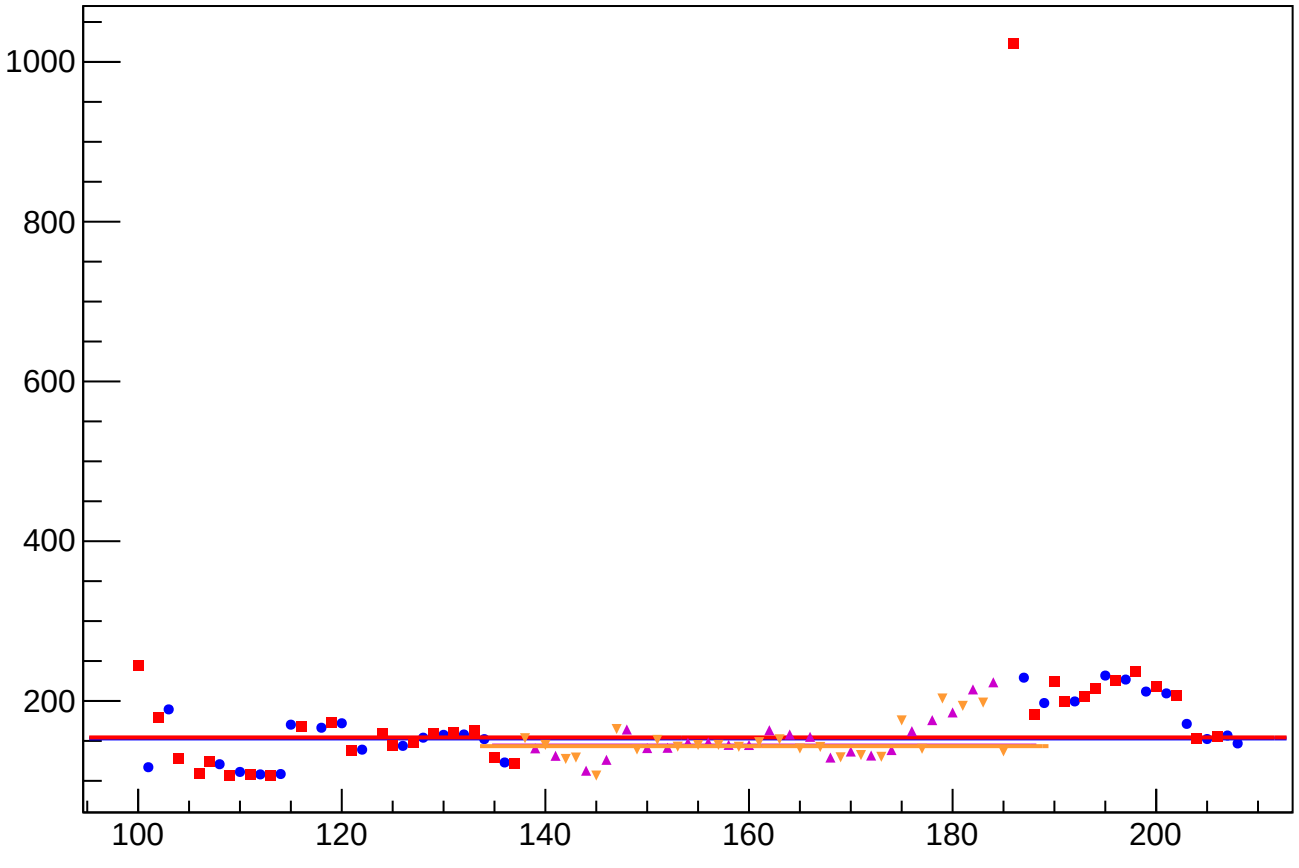
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -45.583+/-28.115 χ^2/NDF: 52.3/57

In: 4.341+/-25.872 χ^2/NDF:53.5/49

Out: 46.056+/-25.437 χ^2/NDF:68.8/55

All: 25.552+/-18.138 χ^2/NDF: 123.7/105



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

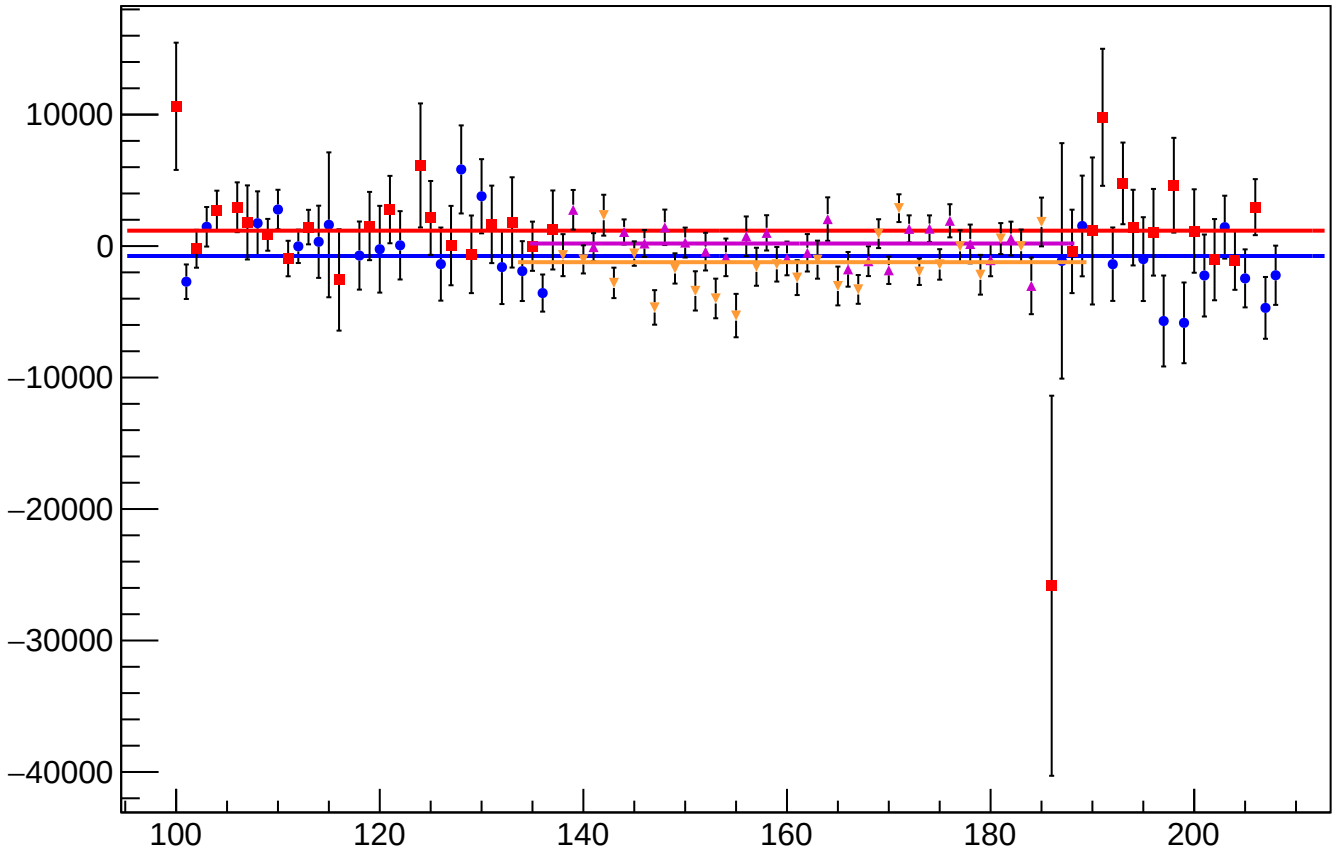
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.724+/-0.020 χ^2/NDF: 3968655.9/57

In: 147.966+/-0.018 χ^2/NDF:2280768.3/49

Out: 147.890+/-0.018 χ^2/NDF:3283710.0/55

All: 147.927+/-0.013 χ^2/NDF: 5564487.2/105



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1171.307+/-417.740 χ^2/NDF: 23.8/30

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

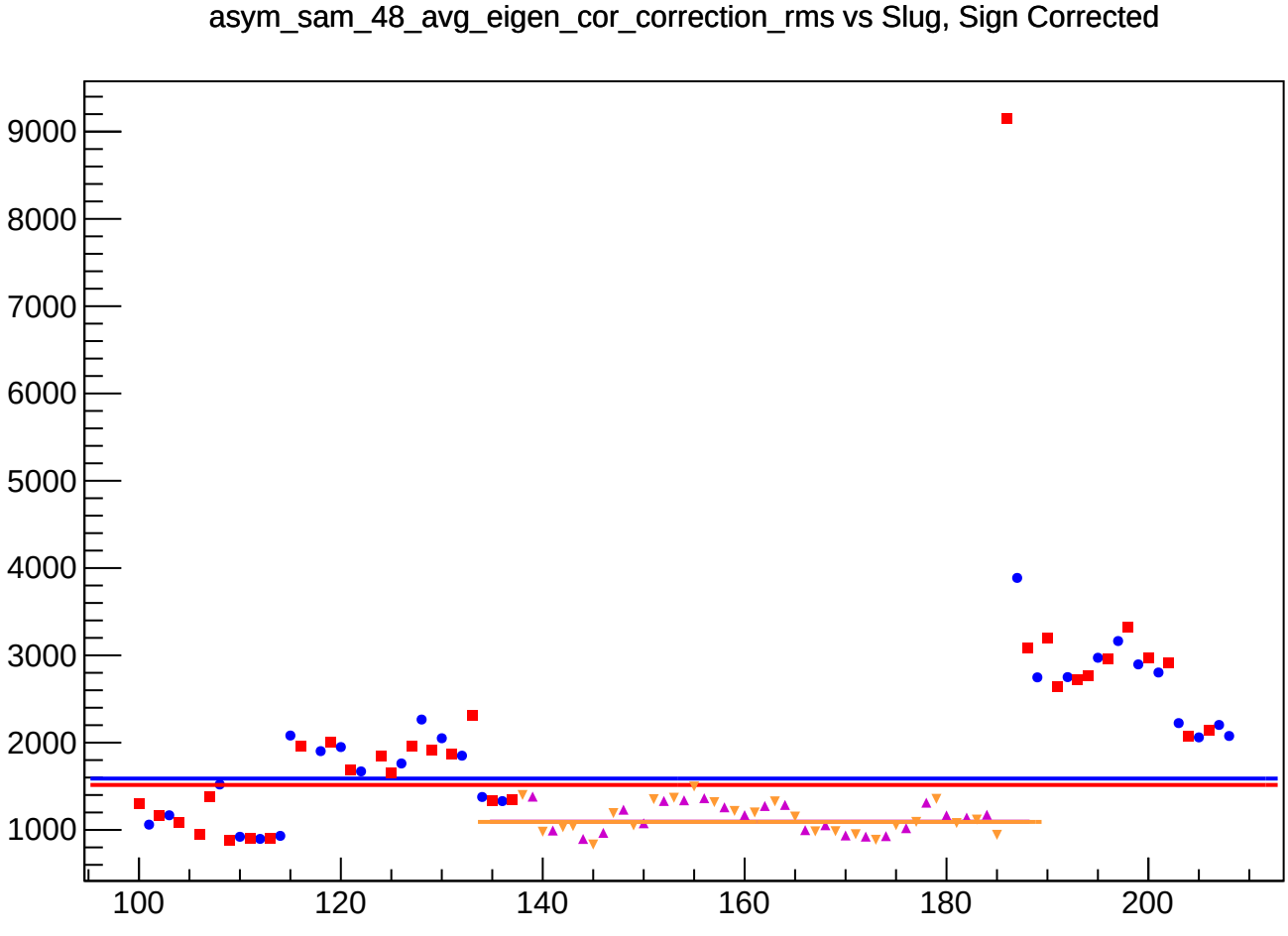
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 242.125+/-300.609 χ^2/NDF: 66.8/57

In: -56.379+/-222.211 χ^2/NDF:59.6/49

Out: -586.527+/-215.632 χ^2/NDF:107.2/55

All: -329.416+/-154.748 χ^2/NDF: 169.7/105



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

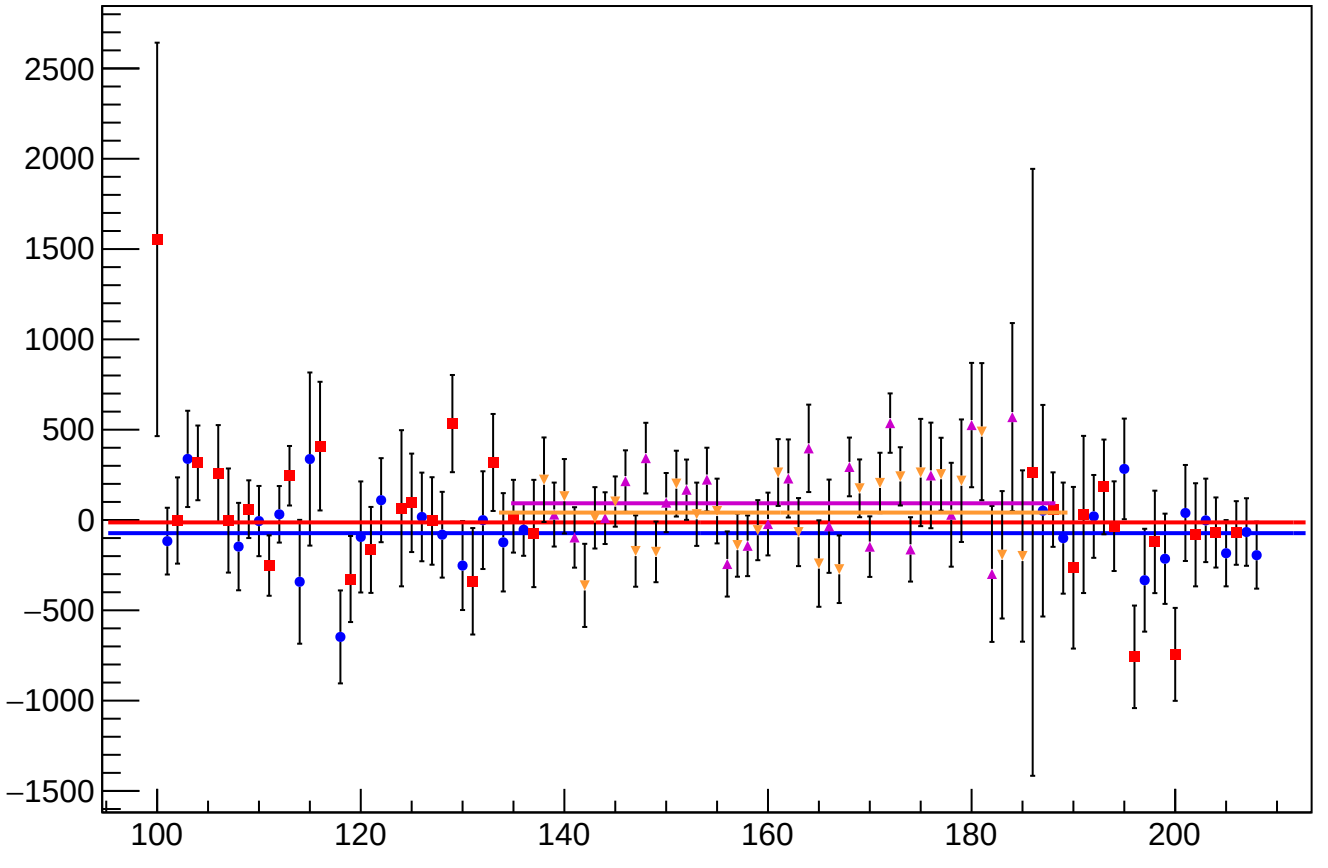
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1550.559+/-0.213 χ^2/NDF: 10758717.5/57

In: 1224.601+/-0.157 χ^2/NDF:7133077.8/49

Out: 1204.788+/-0.152 χ^2/NDF:8645785.5/55

All: 1214.397+/-0.109 χ^2/NDF: 15787052.8/



Right In: -72.865+/-44.513 χ^2/NDF: 14.9/26

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -13.300+/-44.296 χ^2/NDF: 37.4/30

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

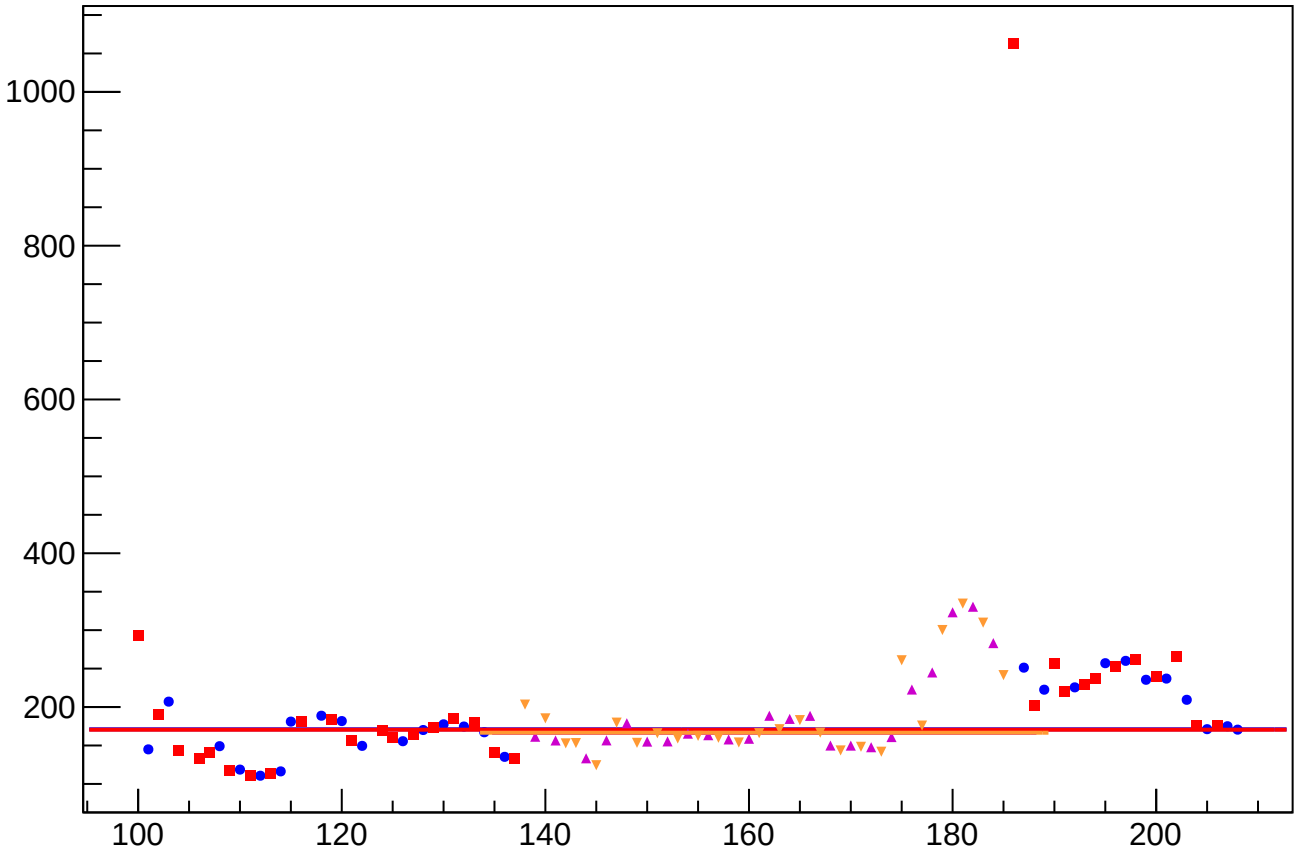
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -42.938+/-31.398 χ^2/NDF: 53.2/57

In: 18.315+/-29.820 χ^2/NDF:52.0/49

Out: 17.216+/-29.346 χ^2/NDF:60.6/55

All: 17.757+/-20.916 χ^2/NDF: 112.6/105



Right In: 171.053+/-0.031 χ^2/NDF: 1654340.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.505+/-0.031 χ^2/NDF: 2646678.3/30

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

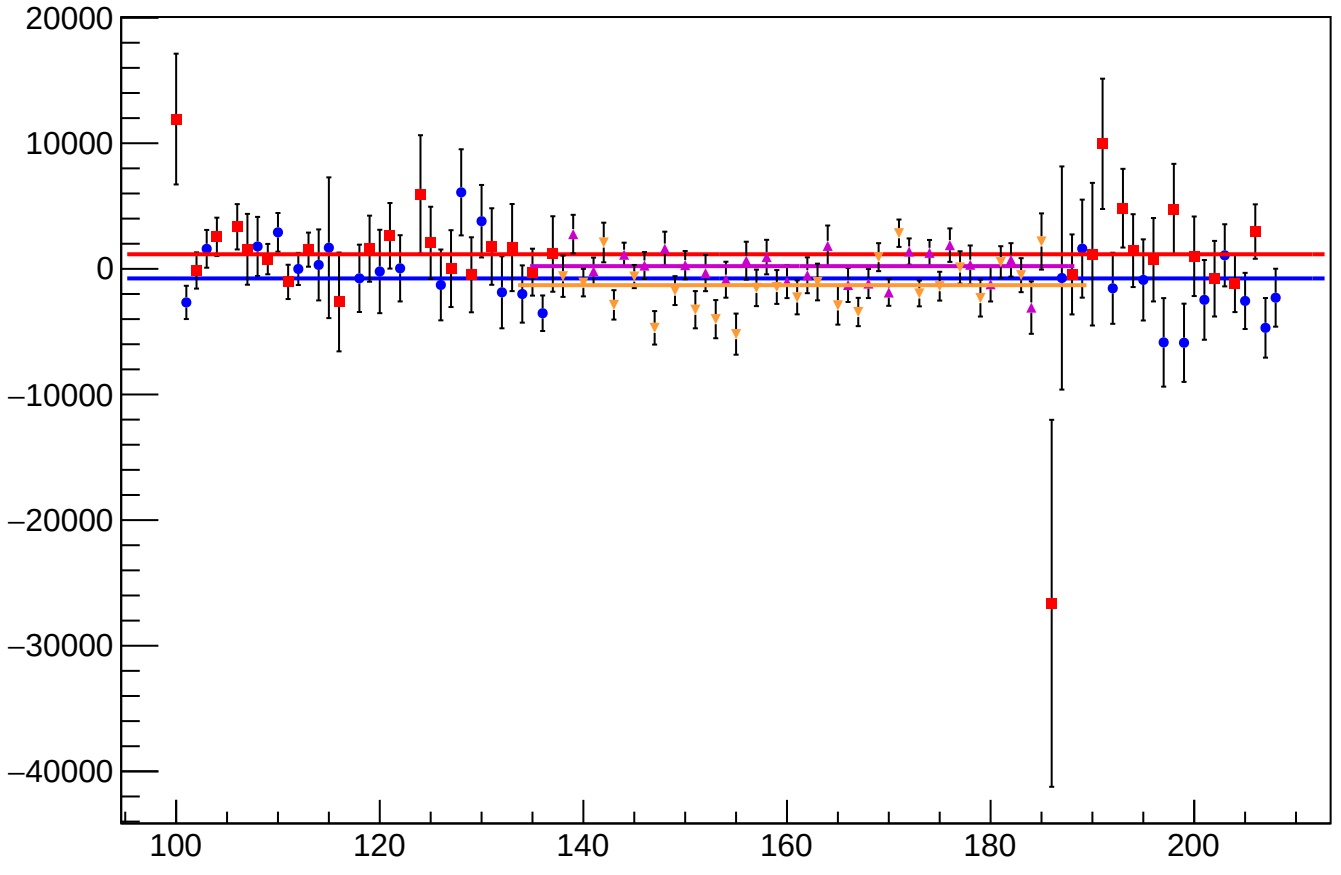
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.778+/-0.022 χ^2/NDF: 4301170.6/57

In: 168.437+/-0.021 χ^2/NDF:3059330.7/49

Out: 168.313+/-0.021 χ^2/NDF:4375243.7/55

All: 168.374+/-0.015 χ^2/NDF: 7434592.0/105



Right In: -761.101+/-437.934 χ^2/NDF: 32.9/26

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1162.567+/-420.839 χ^2/NDF: 24.9/30

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

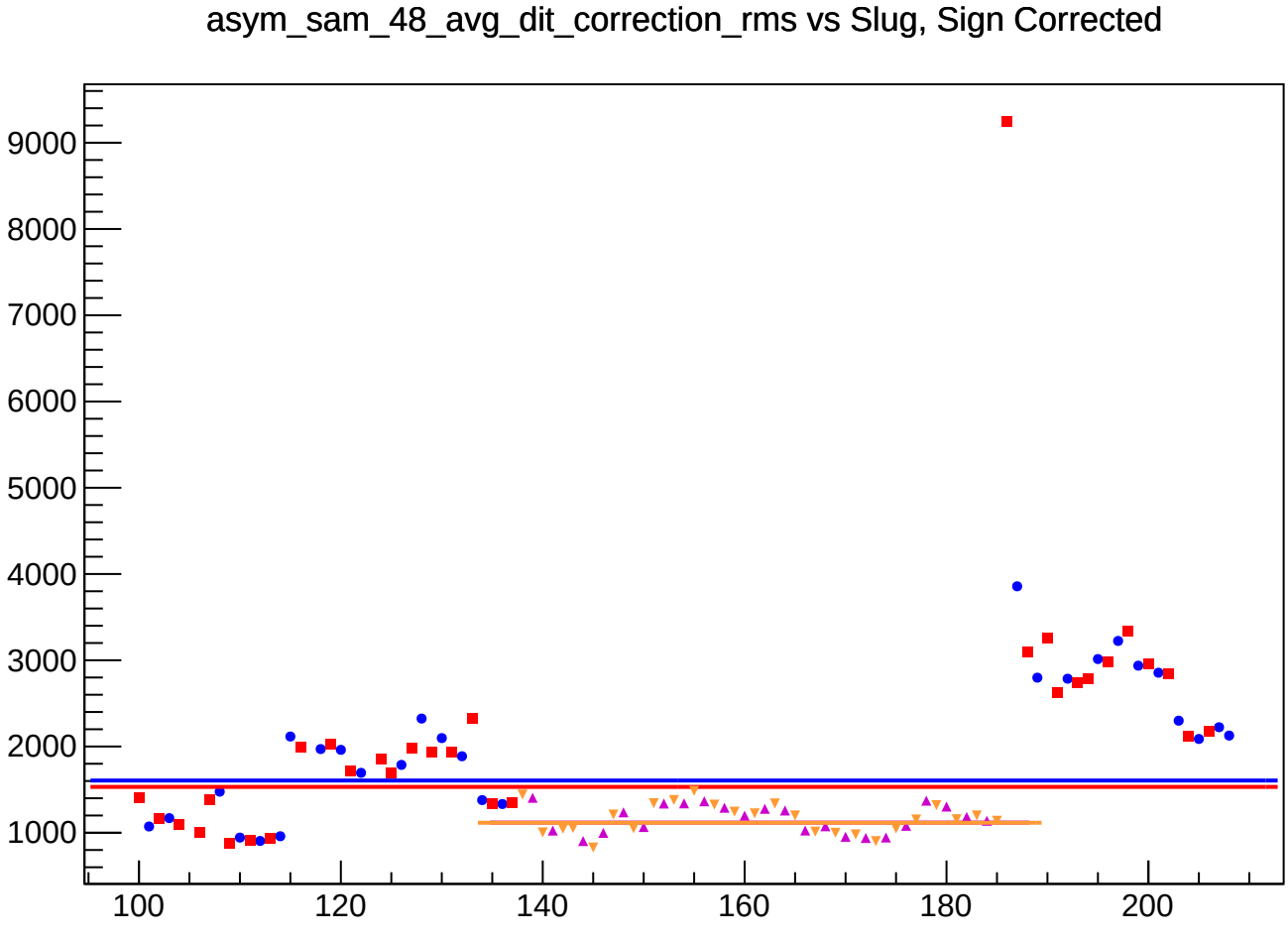
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

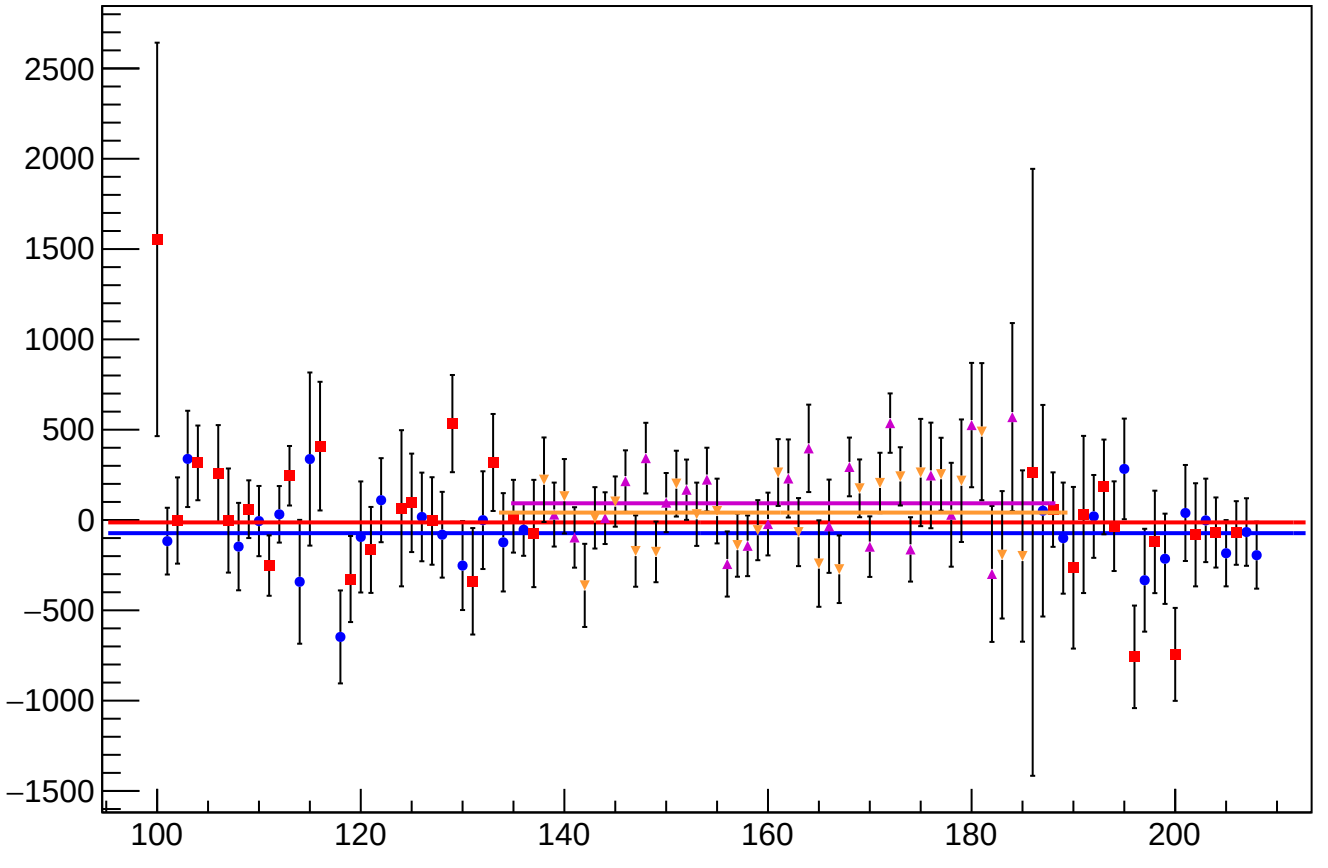
Right: 239.010+/-303.442 χ^2/NDF: 67.8/57

In: -44.059+/-226.339 χ^2/NDF:58.8/49

Out: -630.016+/-219.311 χ^2/NDF:104.9/55

All: -346.276+/-157.502 χ^2/NDF: 167.2/105


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1605.521+/-0.310 χ²/NDF: 4549142.0/26
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1531.583+/-0.298 χ²/NDF: 6198825.0/30
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1567.081+/-0.215 χ²/NDF: 10777606.1/57
In: 1248.102+/-0.160 χ²/NDF:7096286.6/49
Out: 1228.886+/-0.155 χ²/NDF:8486775.5/55
All: 1238.191+/-0.111 χ²/NDF: 15590496.8/1



Right In: -72.863+/-44.512 χ^2/NDF: 14.9/26

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -13.300+/-44.296 χ^2/NDF: 37.4/30

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

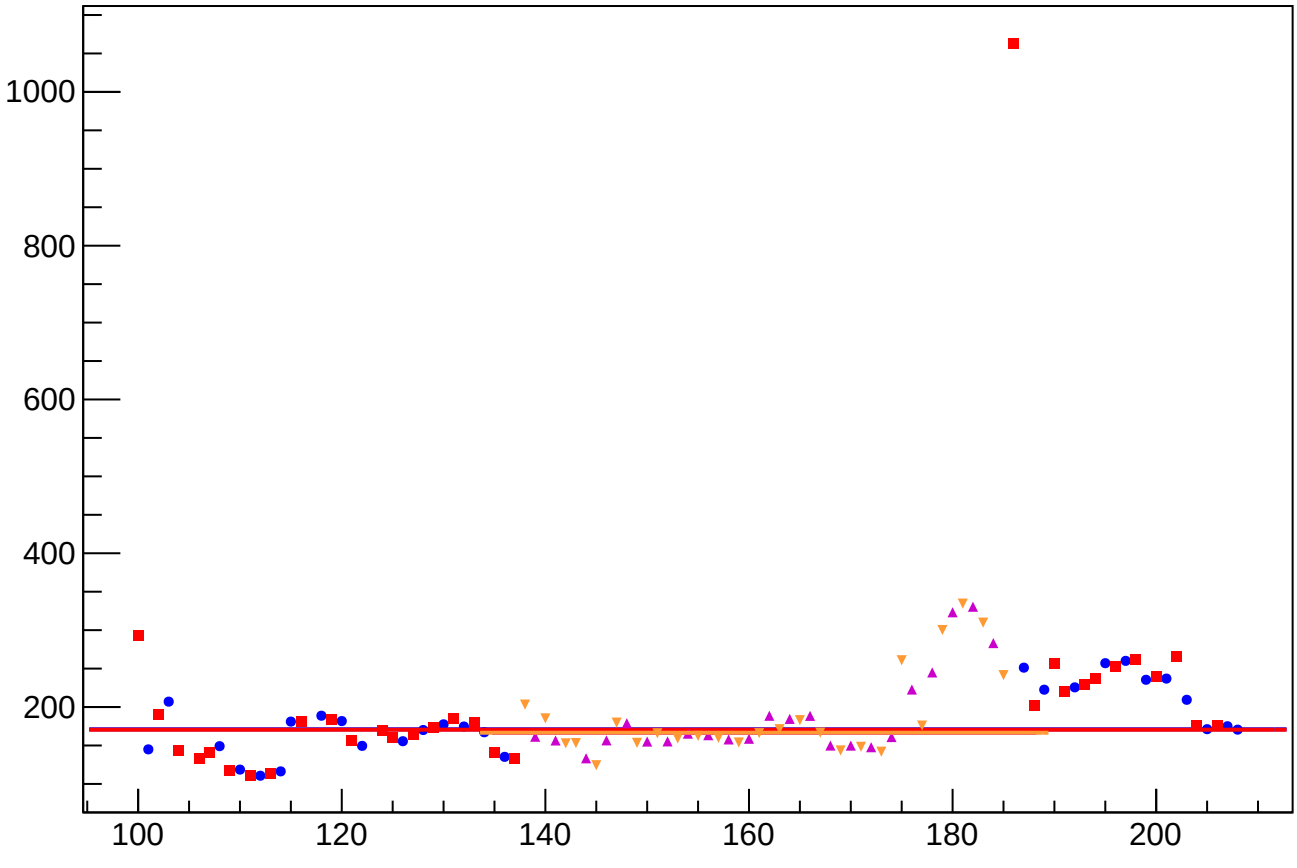
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -42.936+/-31.398 χ^2/NDF: 53.2/57

In: 18.316+/-29.820 χ^2/NDF:52.0/49

Out: 17.217+/-29.346 χ^2/NDF:60.6/55

All: 17.758+/-20.916 χ^2/NDF: 112.6/105



Right In: 171.052+/-0.031 χ^2/NDF: 1654328.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 170.505+/-0.031 χ^2/NDF: 2646685.2/30

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

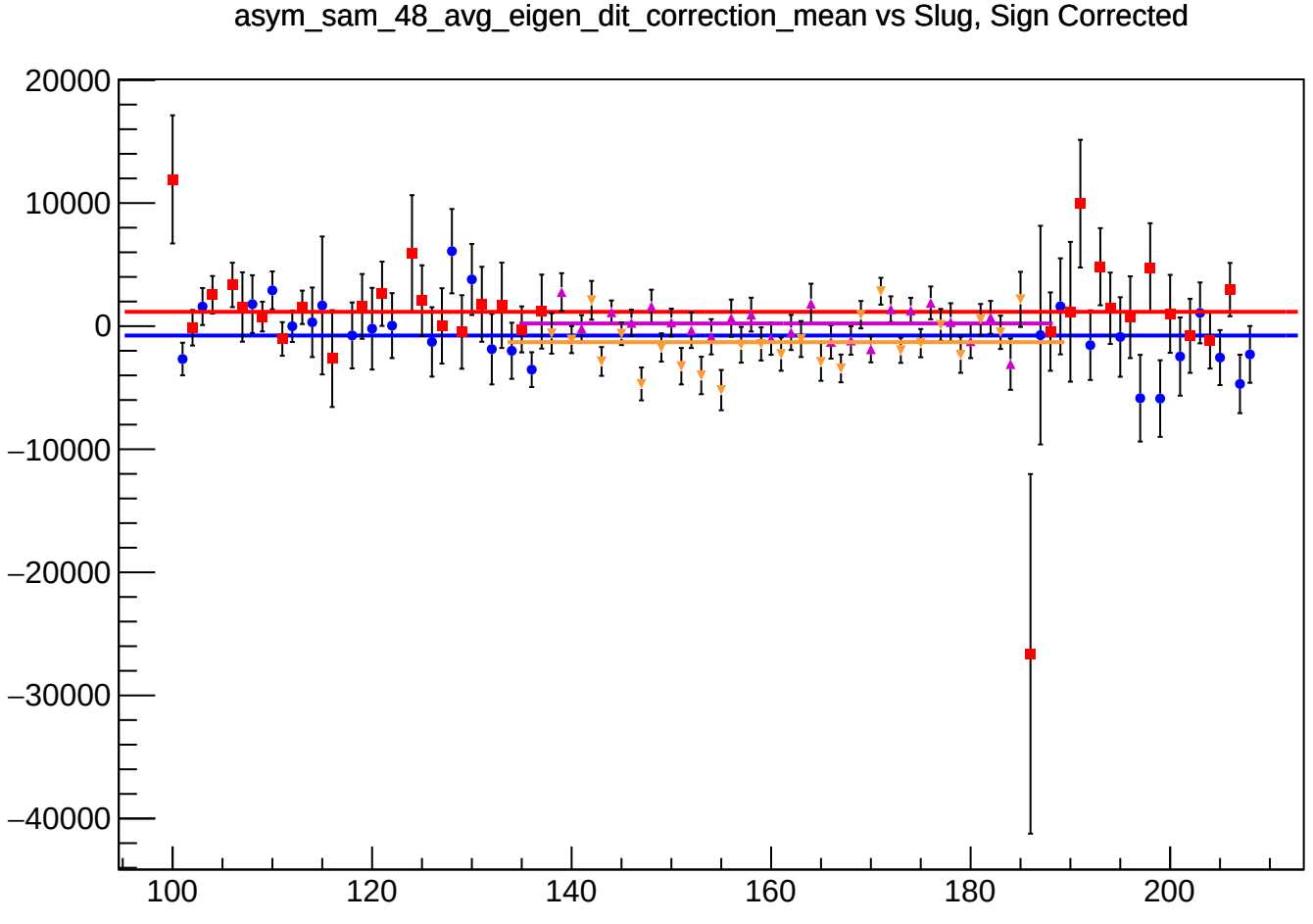
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.778+/-0.022 χ^2/NDF: 4301165.5/57

In: 168.437+/-0.021 χ^2/NDF:3059297.0/49

Out: 168.313+/-0.021 χ^2/NDF:4375243.1/55

All: 168.374+/-0.015 χ^2/NDF: 7434557.6/105



Right In: -761.099+/-437.933 χ^2/NDF: 32.9/26

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1162.566+/-420.839 χ^2/NDF: 24.9/30

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

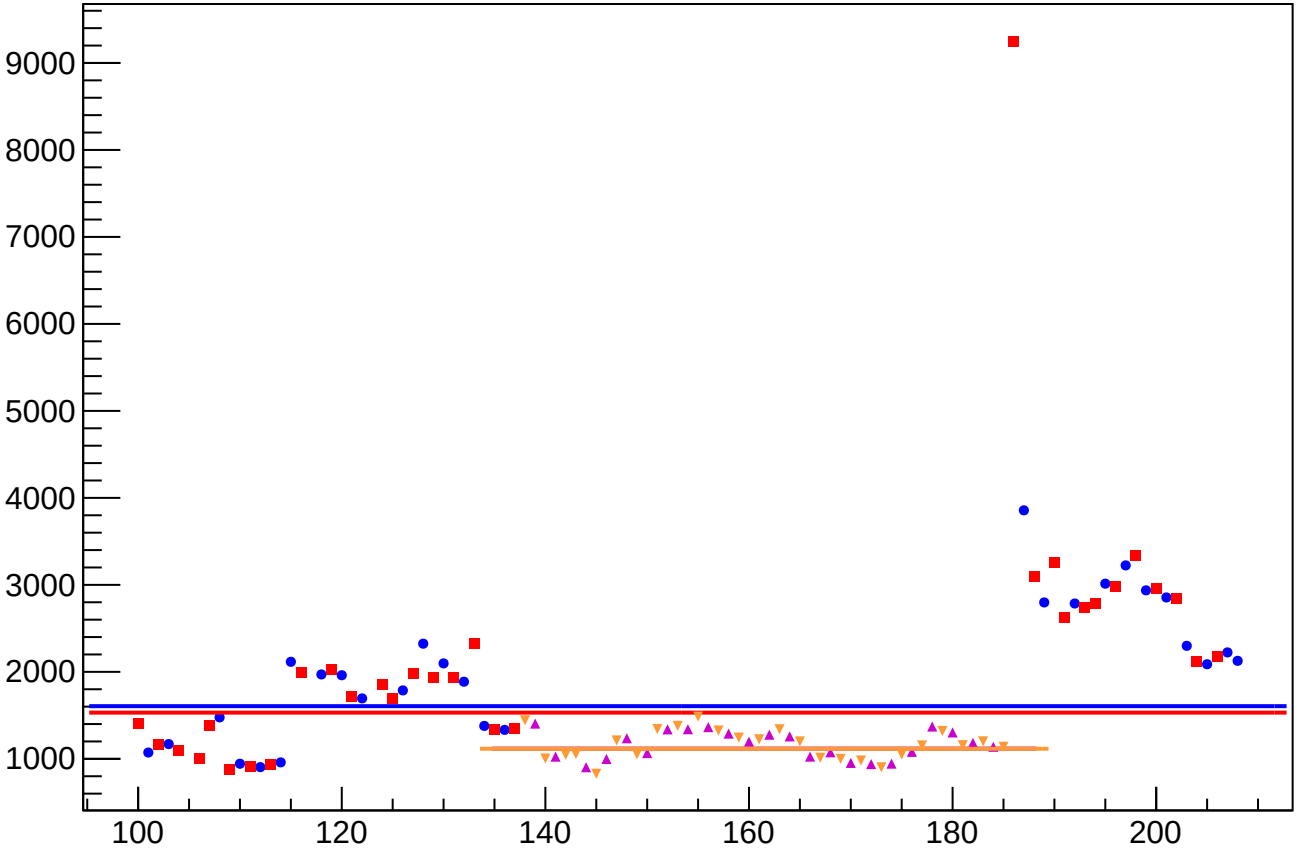
Right: 239.010+/-303.441 χ^2/NDF: 67.8/57

In: -44.059+/-226.339 χ^2/NDF:58.8/49

Out: -630.015+/-219.311 χ^2/NDF:104.9/55

All: -346.275+/-157.502 χ^2/NDF: 167.2/105

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1605.520+/-0.310 χ^2/NDF: 4549144.8/26

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1531.582+/-0.298 χ^2/NDF: 6198823.9/30

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

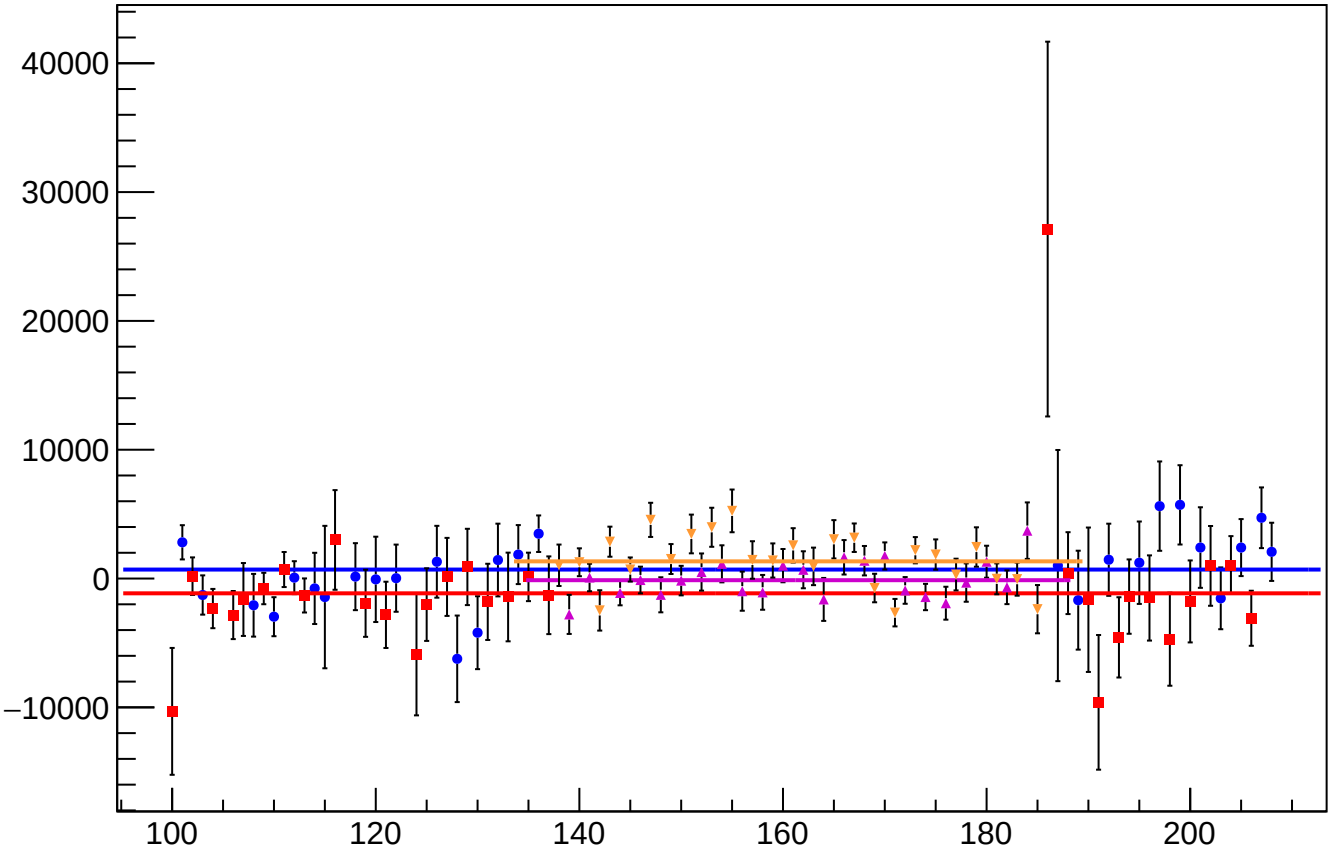
Right: 1567.080+/-0.215 χ^2/NDF: 10777607.8/57

In: 1248.100+/-0.160 χ^2/NDF:7096294.4/49

Out: 1228.884+/-0.155 χ^2/NDF:8486782.2/55

All: 1238.189+/-0.111 χ^2/NDF: 15590511.3/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 696.937+/-435.616 χ^2/NDF: 33.9/26

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1147.233+/-419.875 χ^2/NDF: 22.8/30

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

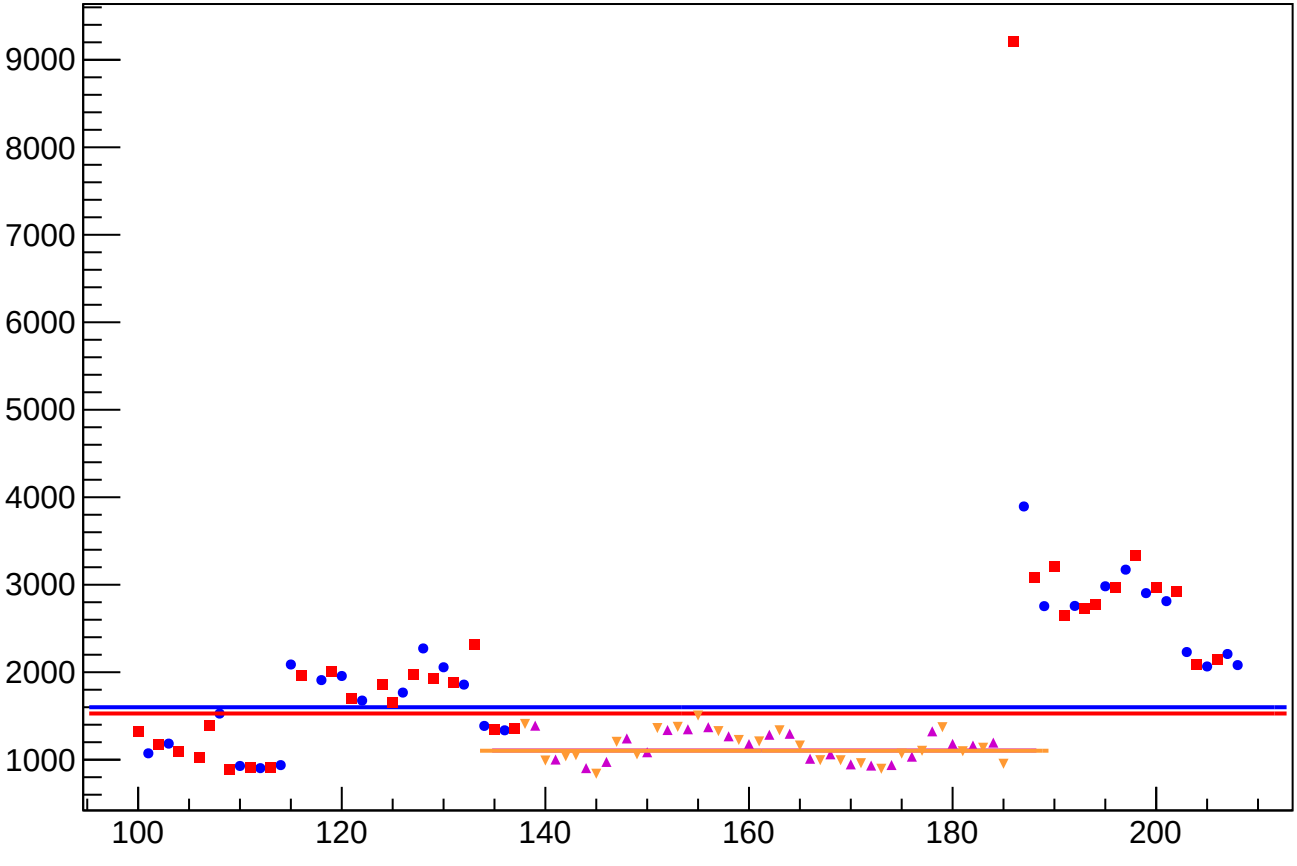
Right: -259.070+/-302.308 χ^2/NDF: 65.9/57

In: 90.151+/-224.151 χ^2/NDF:60.5/49

Out: 669.048+/-217.445 χ^2/NDF:104.0/55

All: 388.389+/-156.074 χ^2/NDF: 167.9/105

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1599.885+/-0.308 χ^2/NDF: 4428269.7/26

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1528.273+/-0.297 χ^2/NDF: 6162516.9/30

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

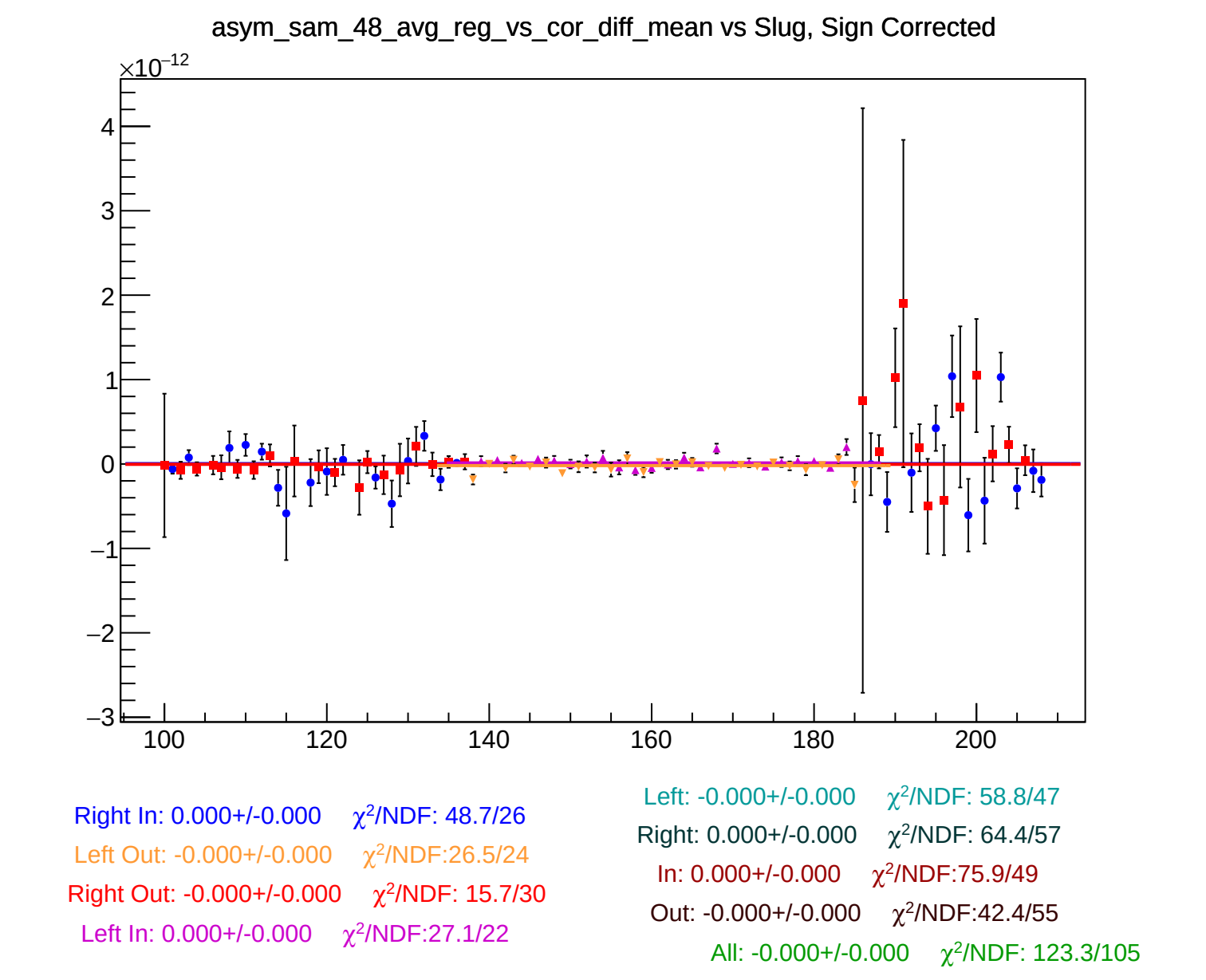
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

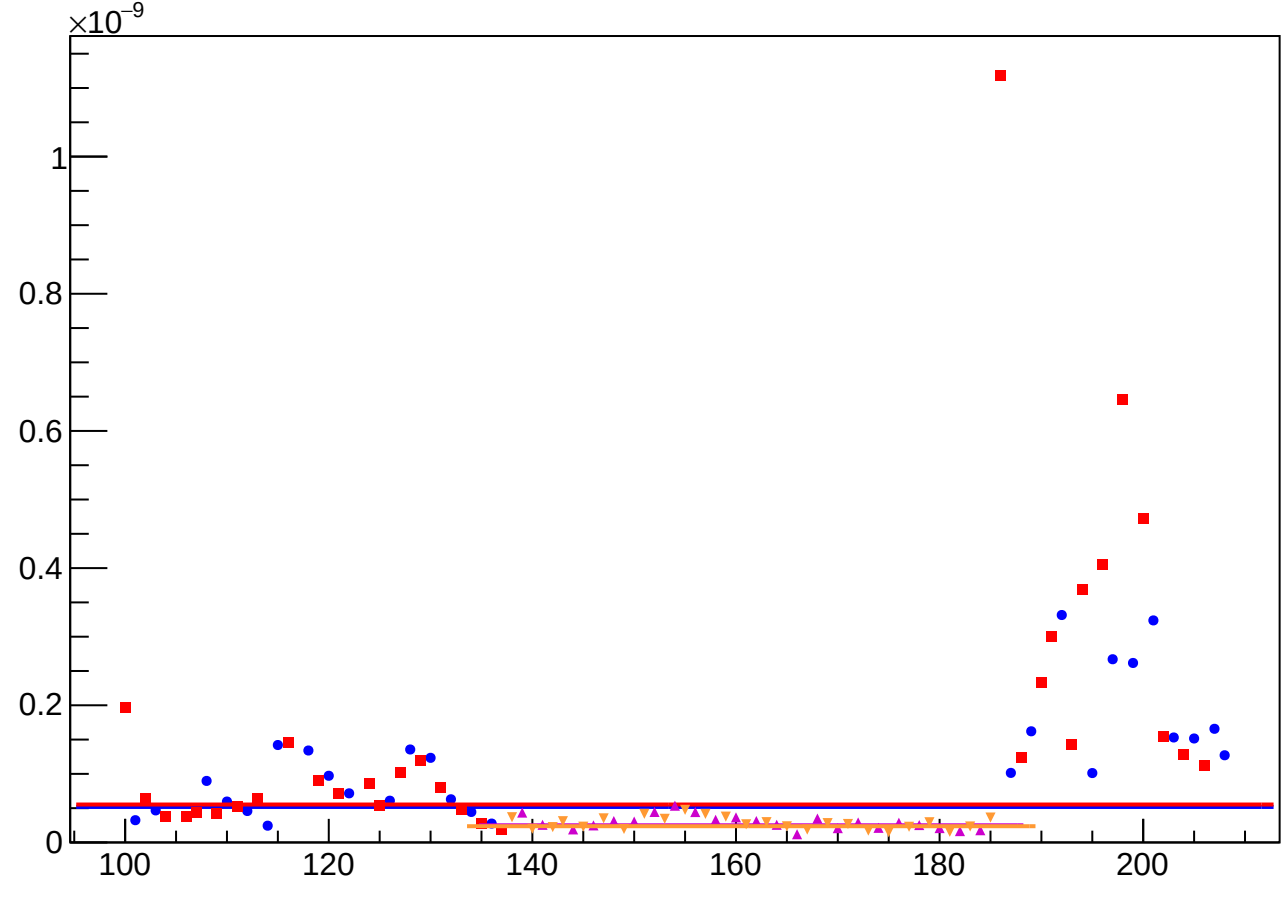
Right: 1562.762+/-0.214 χ^2/NDF: 10618806.1/57

In: 1236.179+/-0.158 χ^2/NDF:7047850.0/49

Out: 1216.839+/-0.154 χ^2/NDF:8546576.7/55

All: 1226.216+/-0.110 χ^2/NDF: 15602097.6/


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 48.7/26
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/30
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: 0.000+/-0.000 χ²/NDF: 64.4/57
In: 0.000+/-0.000 χ²/NDF:75.9/49
Out: -0.000+/-0.000 χ²/NDF:42.4/55
All: -0.000+/-0.000 χ²/NDF: 123.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 5349774.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5519064.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

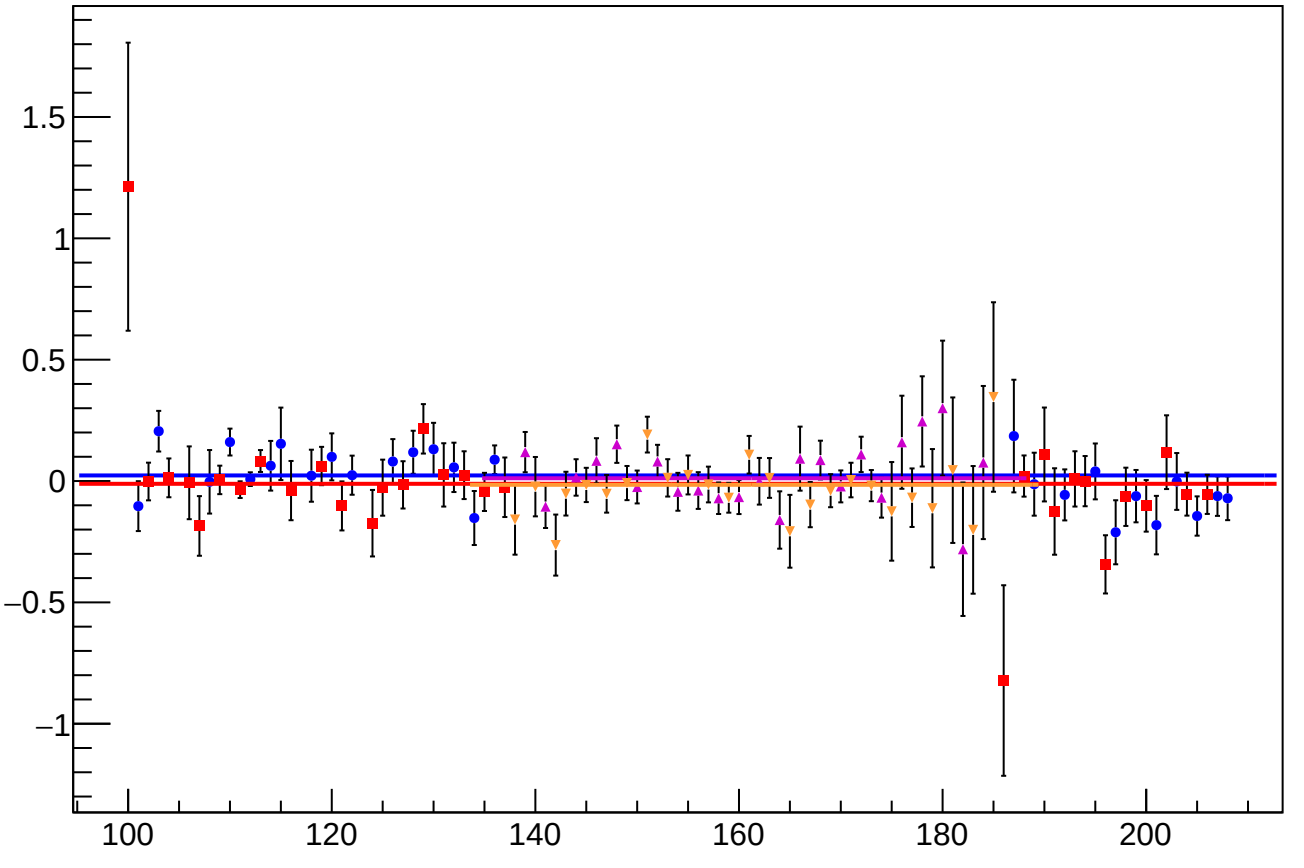
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10886404.4/57

In: 0.000+/-0.000 χ^2/NDF:8763228.3/49

Out: 0.000+/-0.000 χ^2/NDF:9318343.7/55

All: 0.000+/-0.000 χ^2/NDF: 18120545.5/105



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

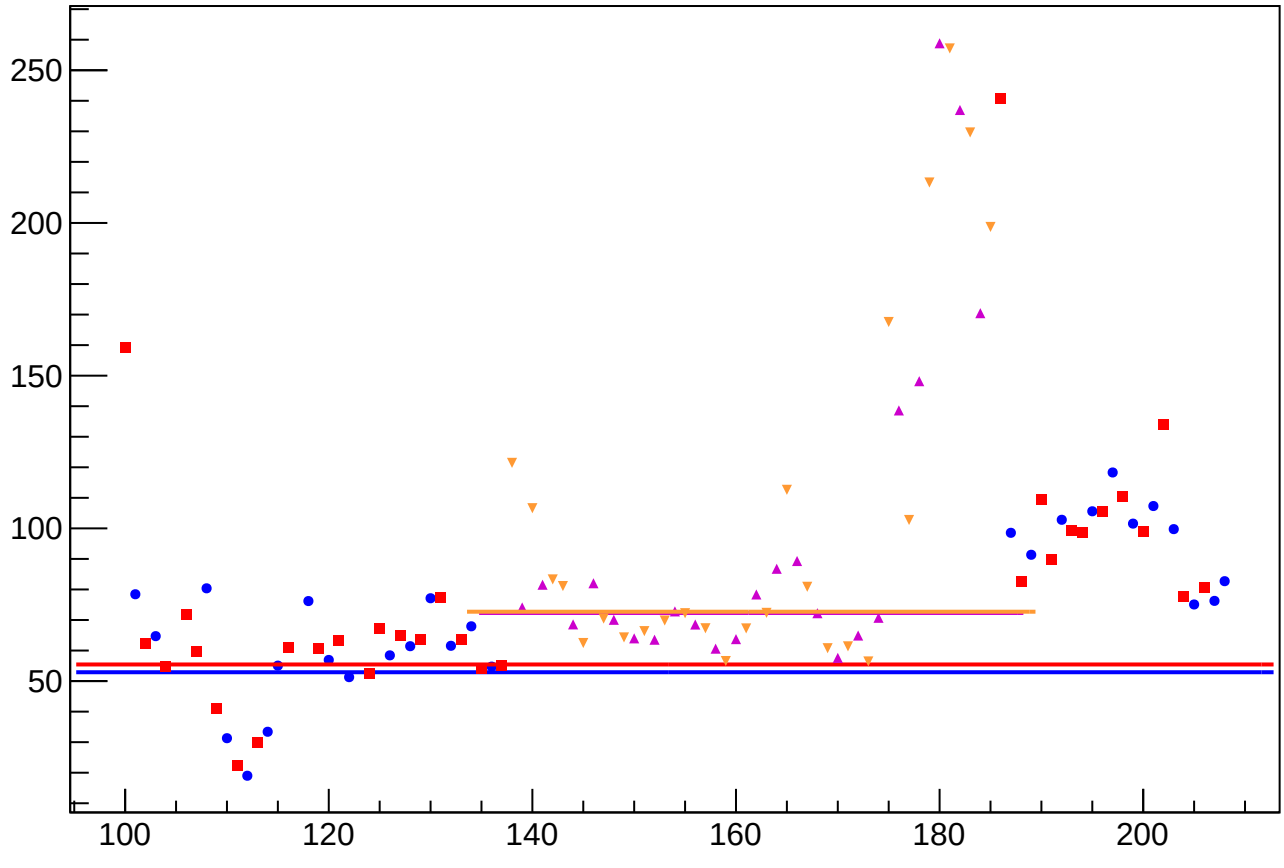
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.006+/-0.011 χ^2/NDF: 72.2/57

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.002+/-0.008 χ^2/NDF: 118.5/105



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

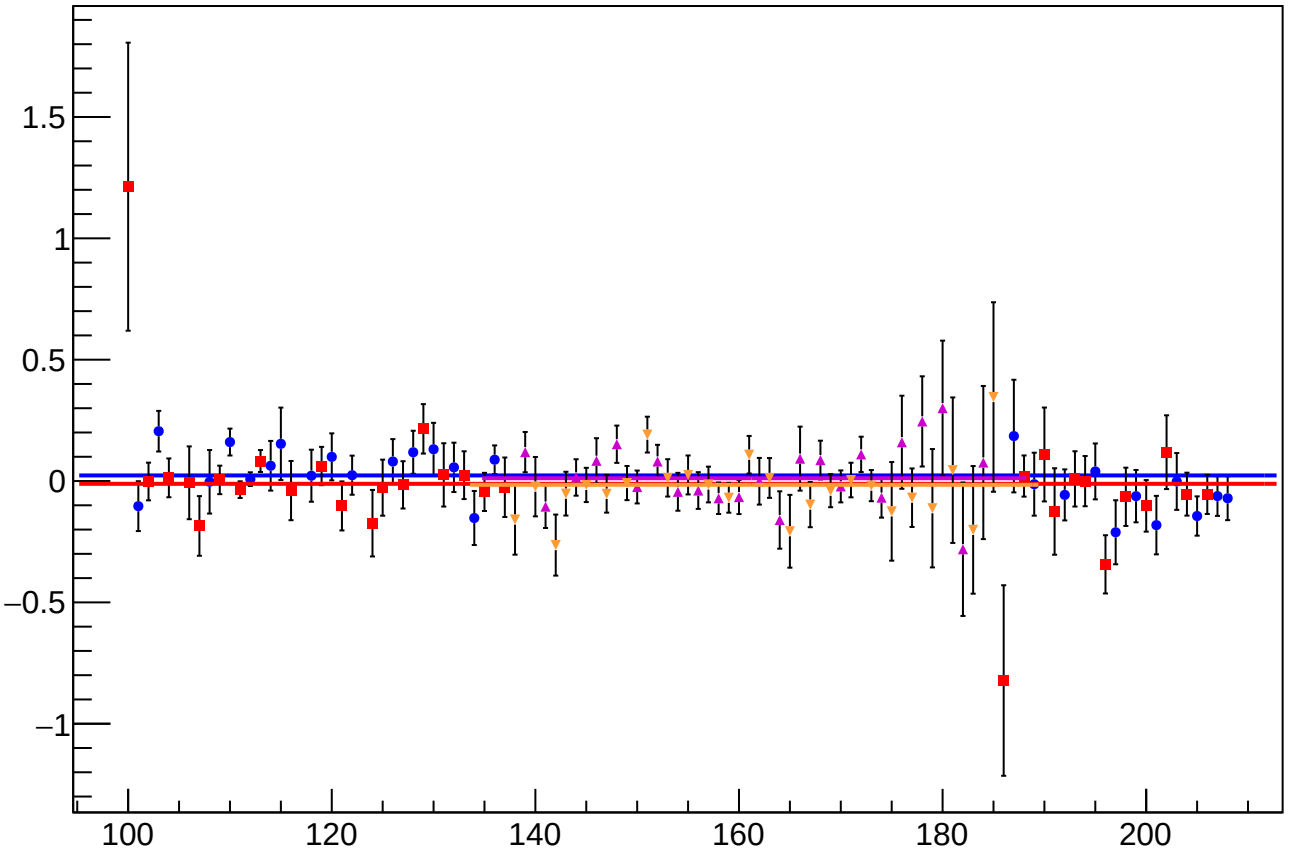
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 54.155+/-0.008 χ^2/NDF: 13487845.6/57

In: 61.072+/-0.008 χ^2/NDF:11183113.2/49

Out: 62.942+/-0.008 χ^2/NDF:11383541.6/55

All: 62.008+/-0.006 χ^2/NDF: 22591602.3/105



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

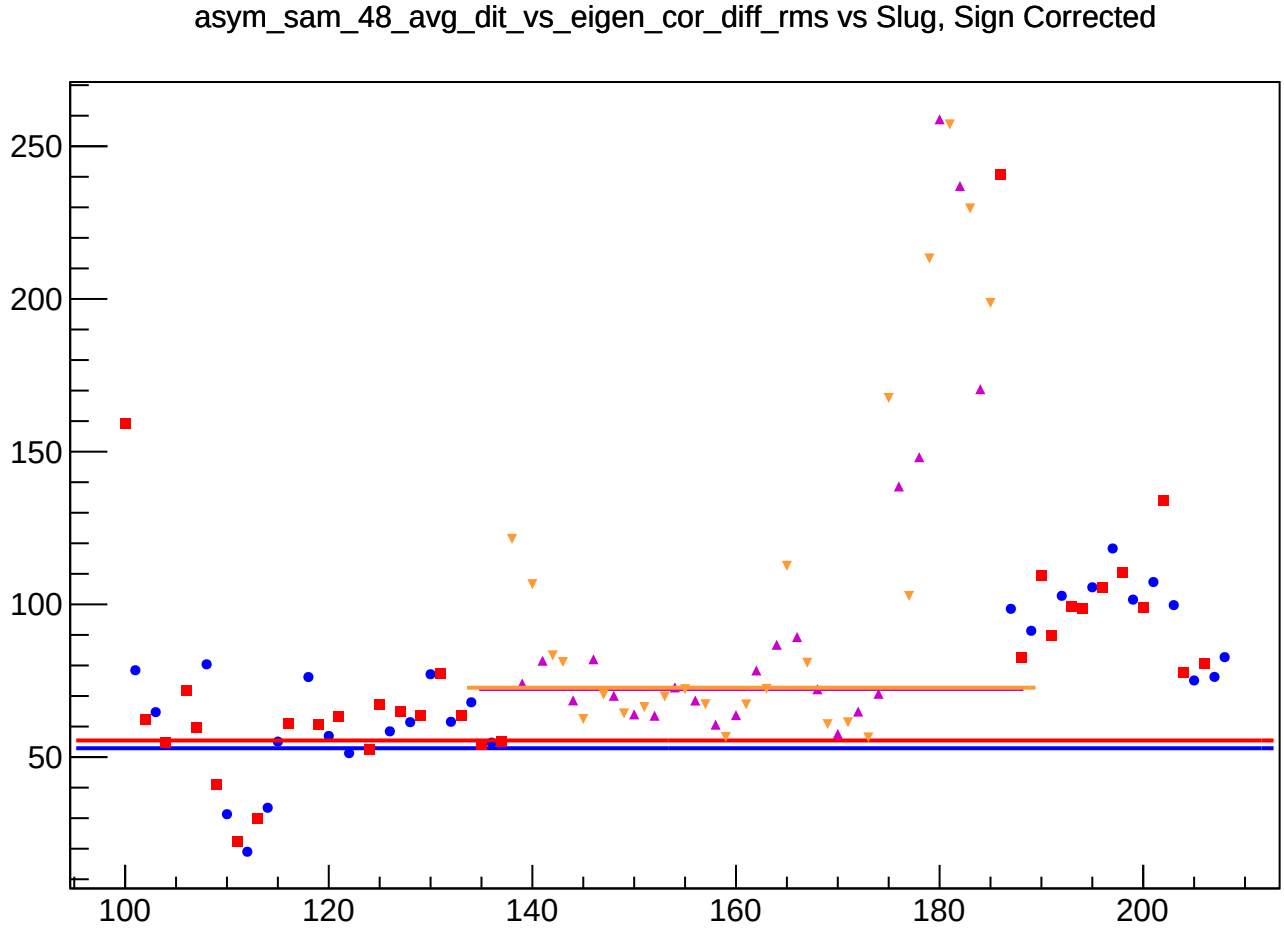
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.006+/-0.011 χ^2/NDF: 72.2/57

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.002+/-0.008 χ^2/NDF: 118.5/105



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

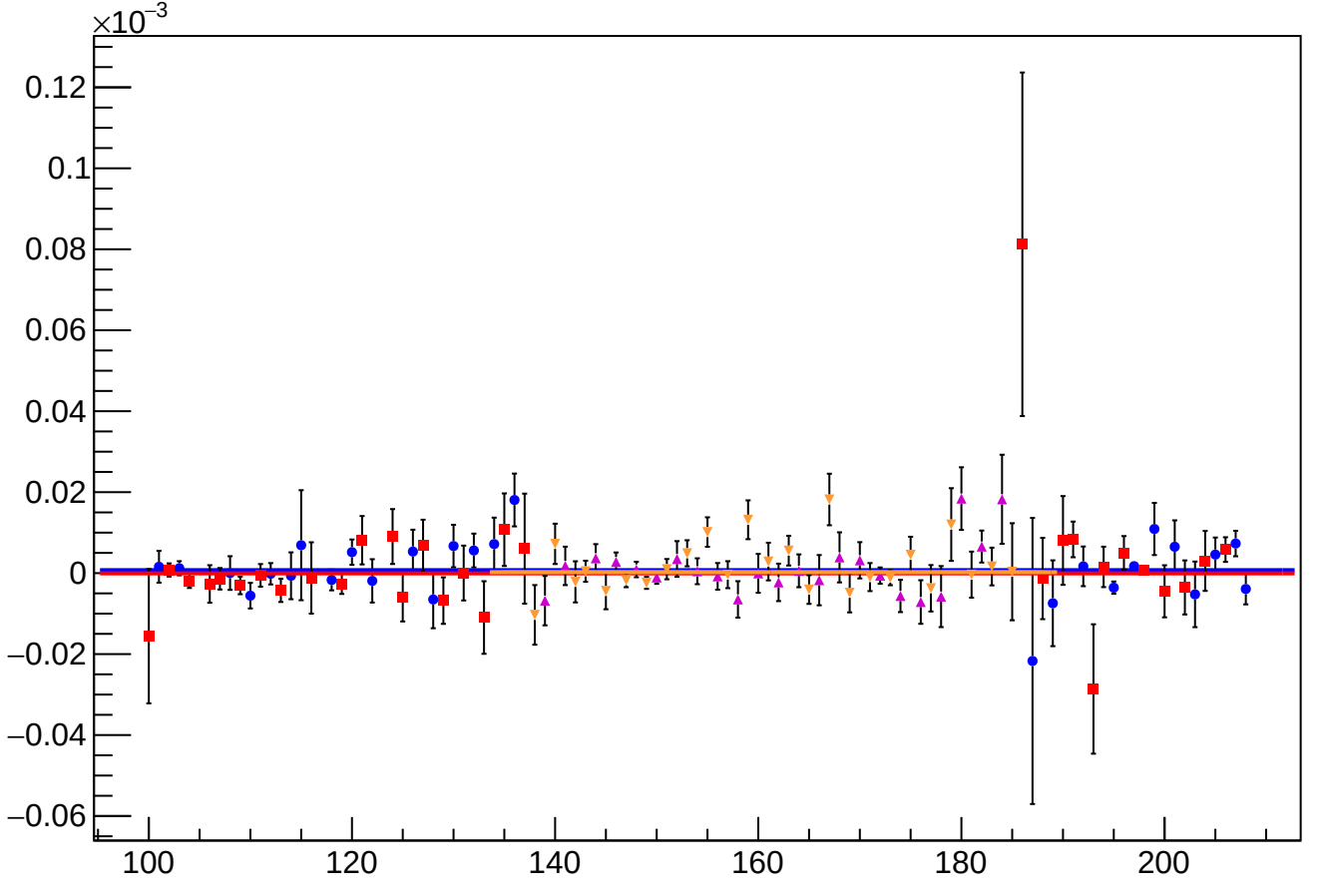
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 54.155+/-0.008 χ^2/NDF: 13487845.6/57

In: 61.072+/-0.008 χ^2/NDF:11183113.2/49

Out: 62.942+/-0.008 χ^2/NDF:11383541.6/55

All: 62.008+/-0.006 χ^2/NDF: 22591602.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

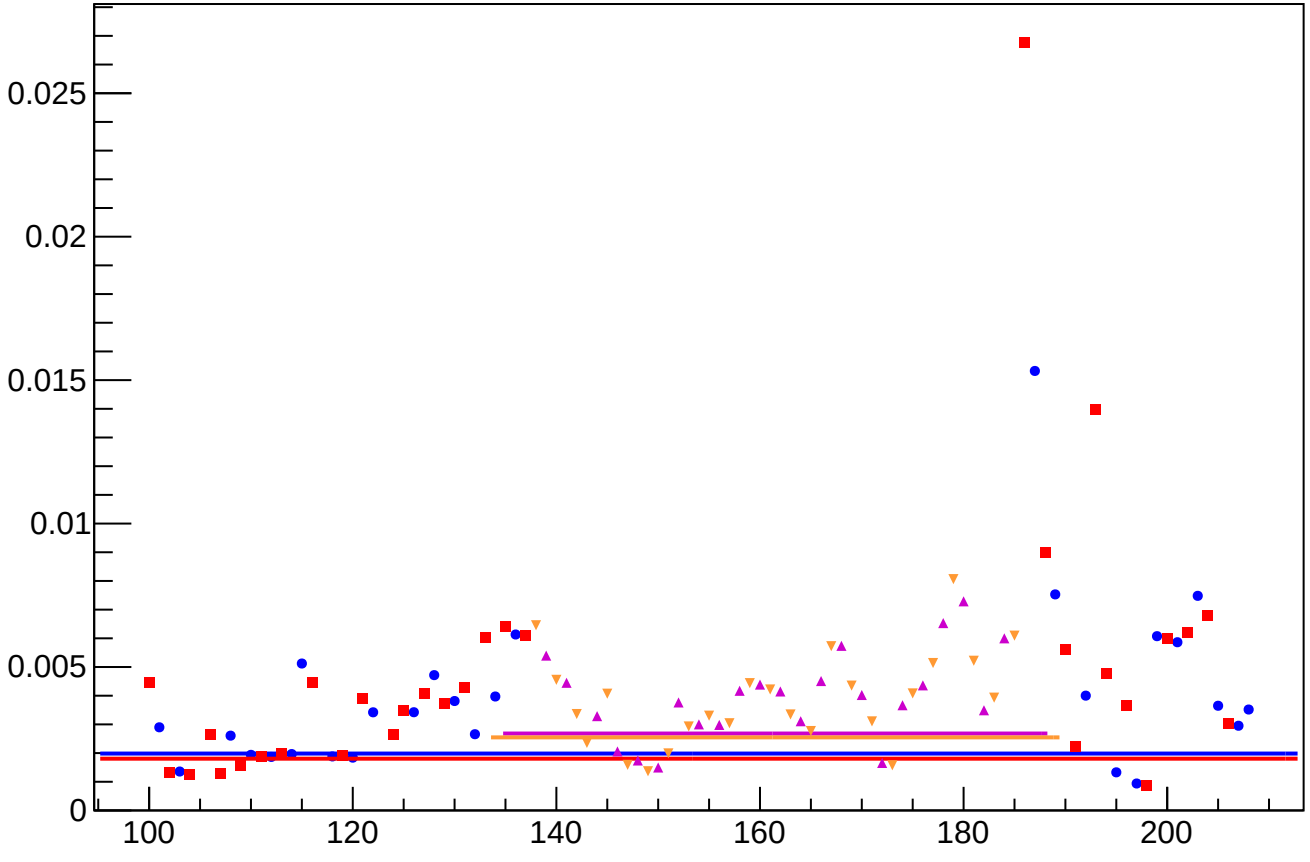
Right: 0.000+/-0.000 χ^2/NDF: 77.5/57

In: 0.000+/-0.000 χ^2/NDF:64.7/49

Out: 0.000+/-0.000 χ^2/NDF:79.6/55

All: 0.000+/-0.000 χ^2/NDF: 144.9/105

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8648711.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12059070.2/30

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

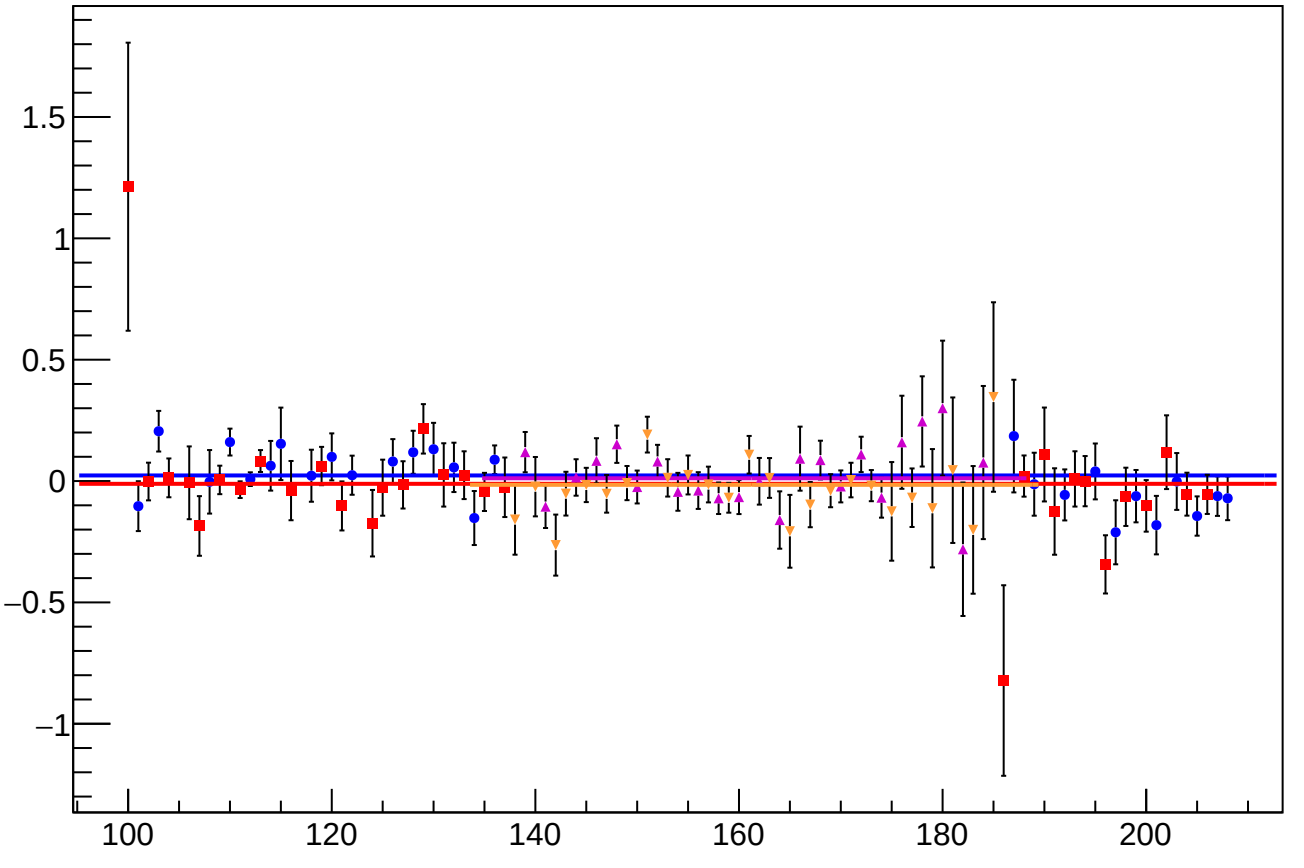
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 20797795.3/57

In: 0.002+/-0.000 χ^2/NDF:16264433.1/49

Out: 0.002+/-0.000 χ^2/NDF:21014009.1/55

All: 0.002+/-0.000 χ^2/NDF: 37399250.1/105



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

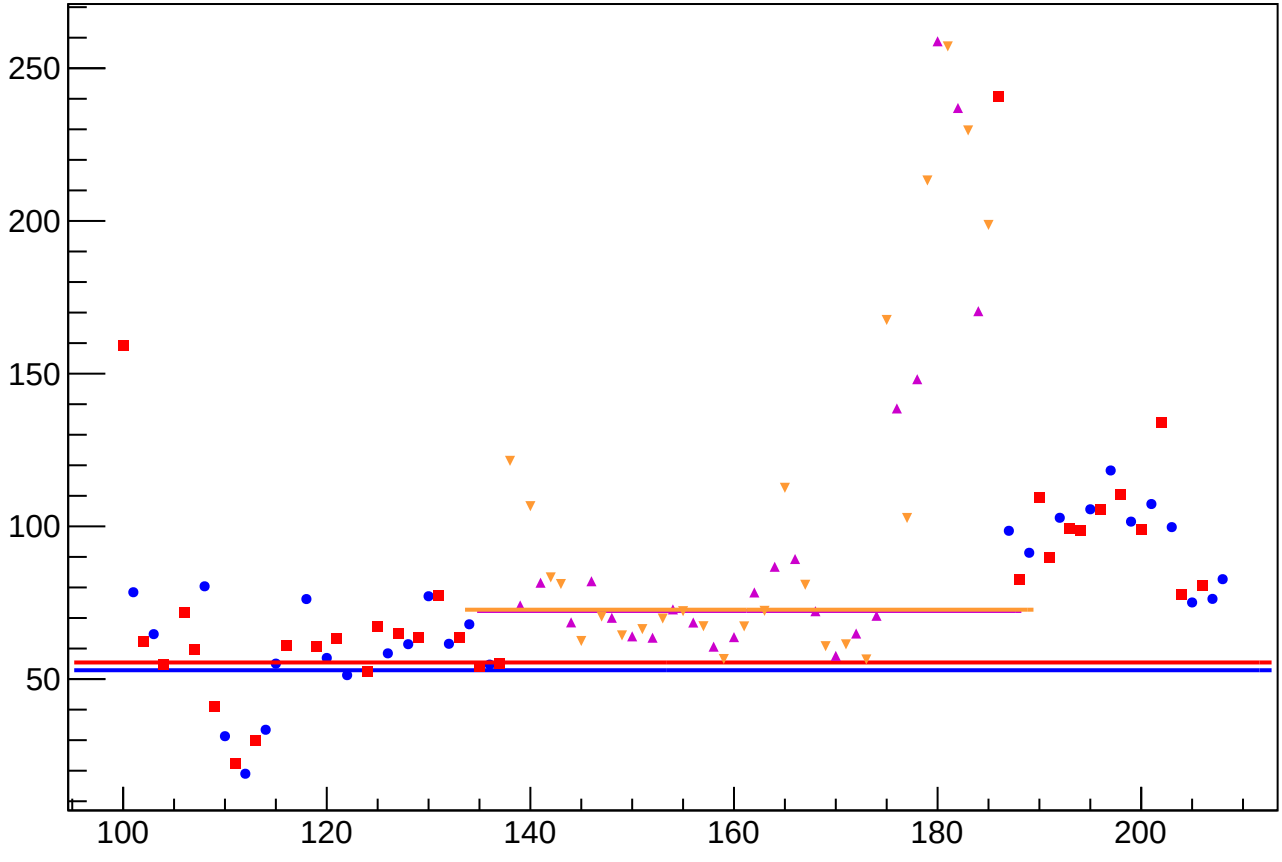
Right: 0.006+/-0.011 χ^2/NDF: 72.2/57

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.002+/-0.008 χ^2/NDF: 118.5/105

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

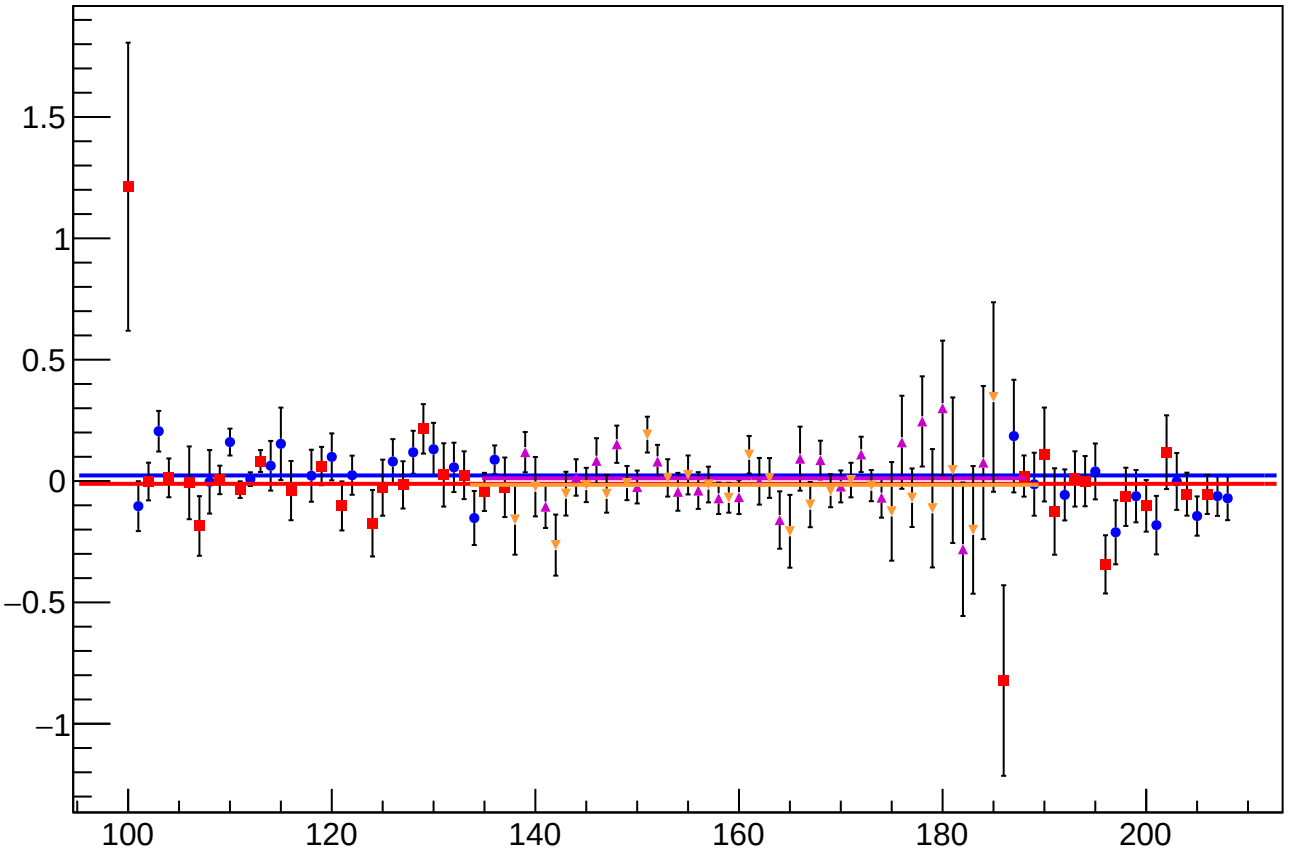
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 54.154+/-0.008 χ^2/NDF: 13488427.8/57

In: 61.071+/-0.008 χ^2/NDF:11183527.2/49

Out: 62.942+/-0.008 χ^2/NDF:11383984.7/55

All: 62.007+/-0.006 χ^2/NDF: 22592462.0/105



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

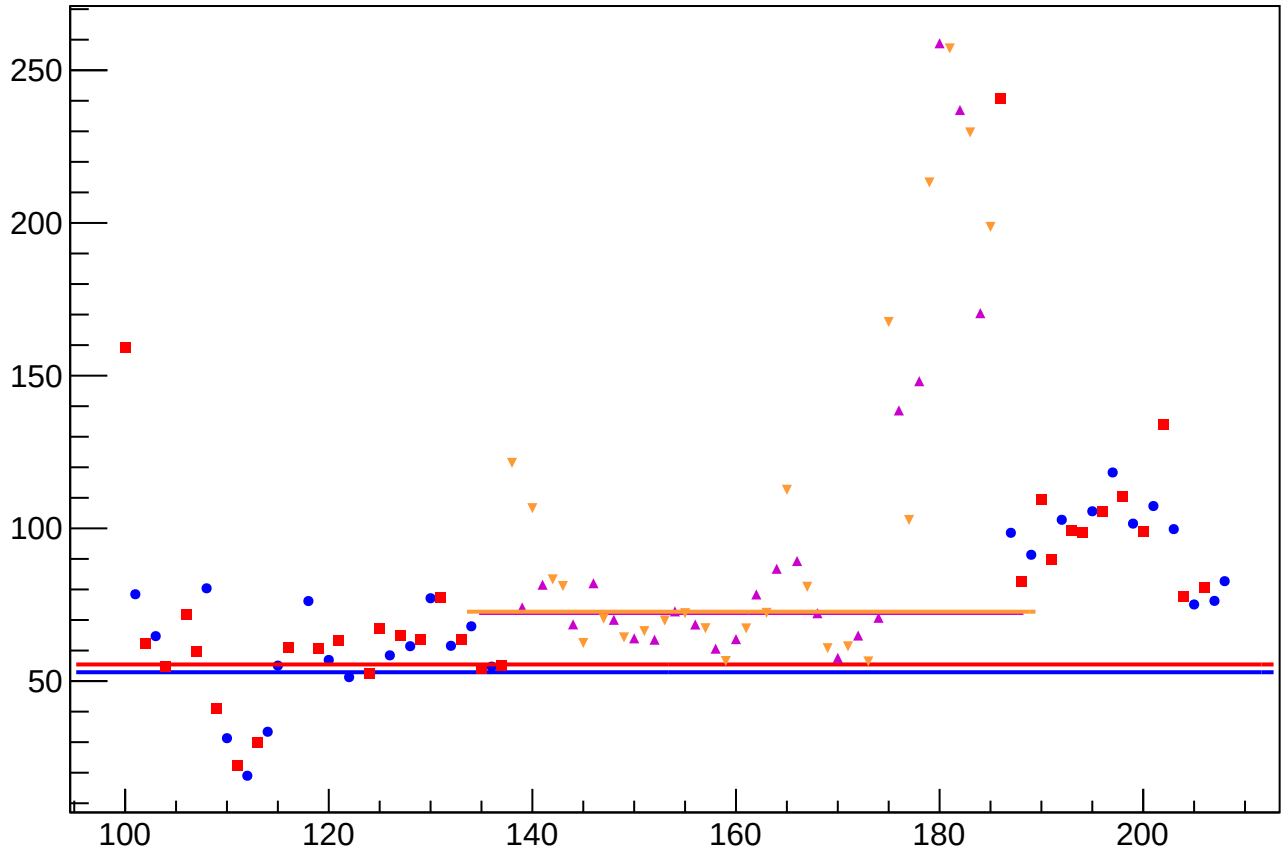
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.006+/-0.011 χ^2/NDF: 72.2/57

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.002+/-0.008 χ^2/NDF: 118.5/105



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

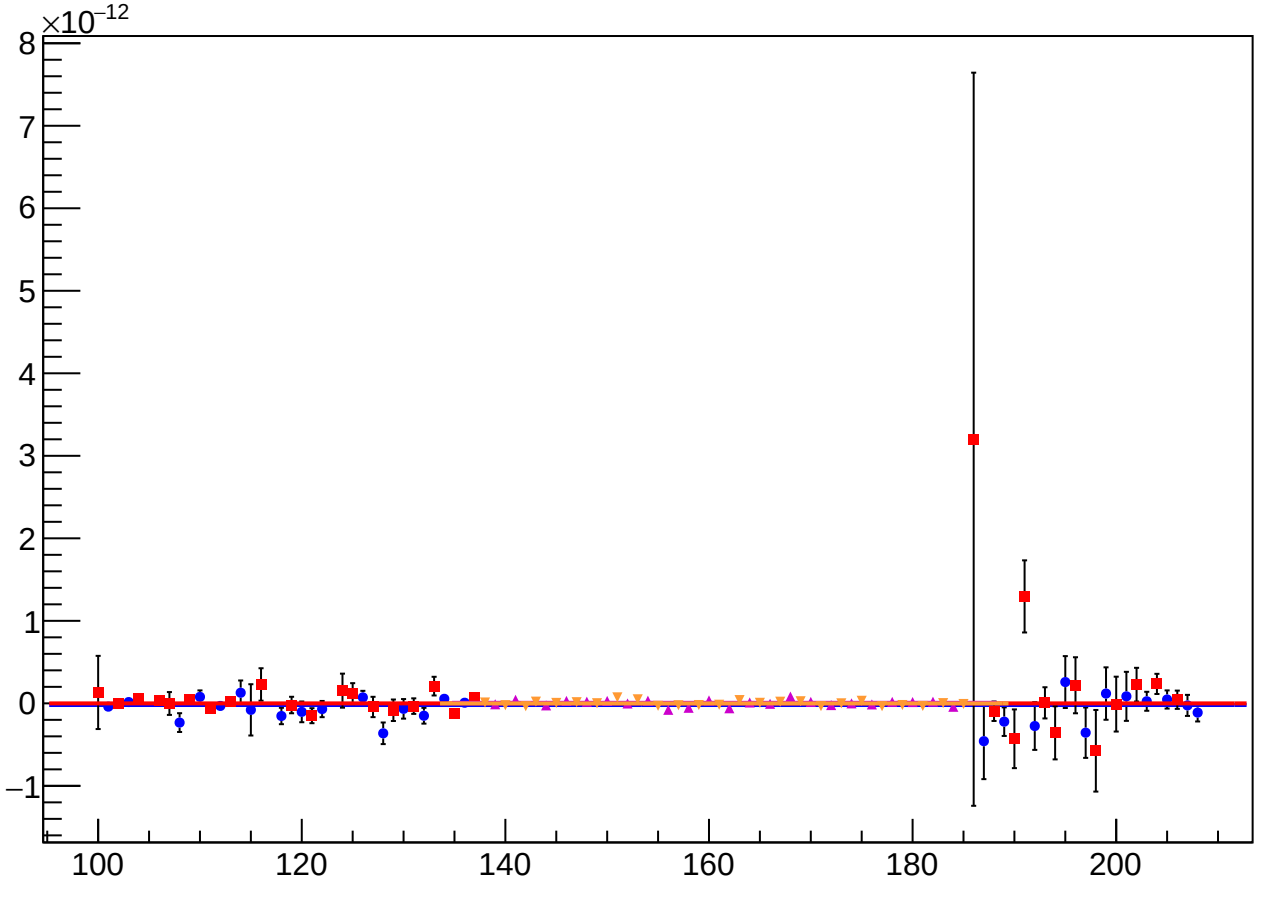
Right: 54.154+/-0.008 χ^2/NDF: 13488427.8/57

In: 61.071+/-0.008 χ^2/NDF:11183527.2/49

Out: 62.942+/-0.008 χ^2/NDF:11383984.7/55

All: 62.007+/-0.006 χ^2/NDF: 22592462.0/105

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.9/30

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

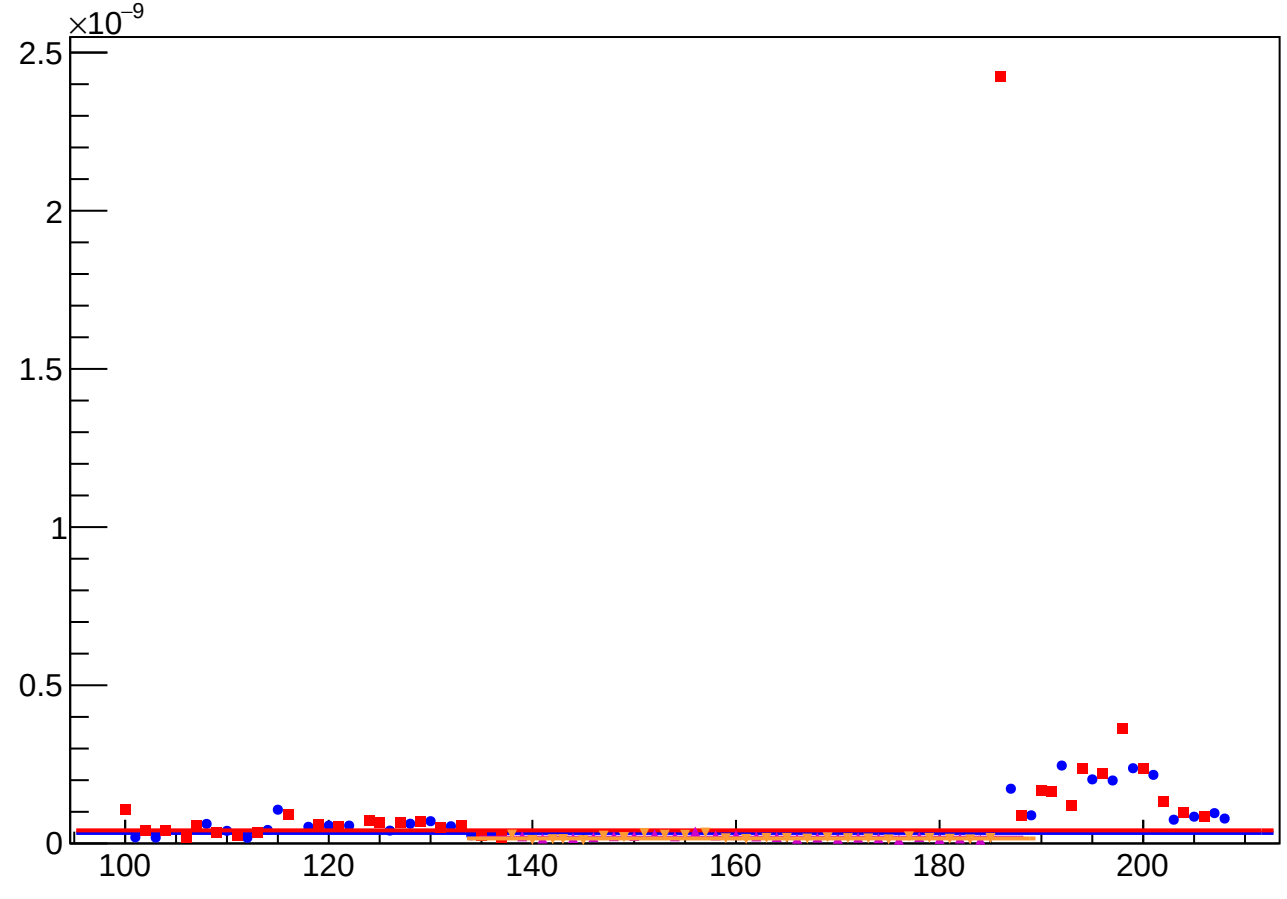
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 73.4/57

In: 0.000+/-0.000 χ^2/NDF:71.0/49

Out: -0.000+/-0.000 χ^2/NDF:70.8/55

All: 0.000+/-0.000 χ^2/NDF: 142.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 7890285.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7603807.4/30

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

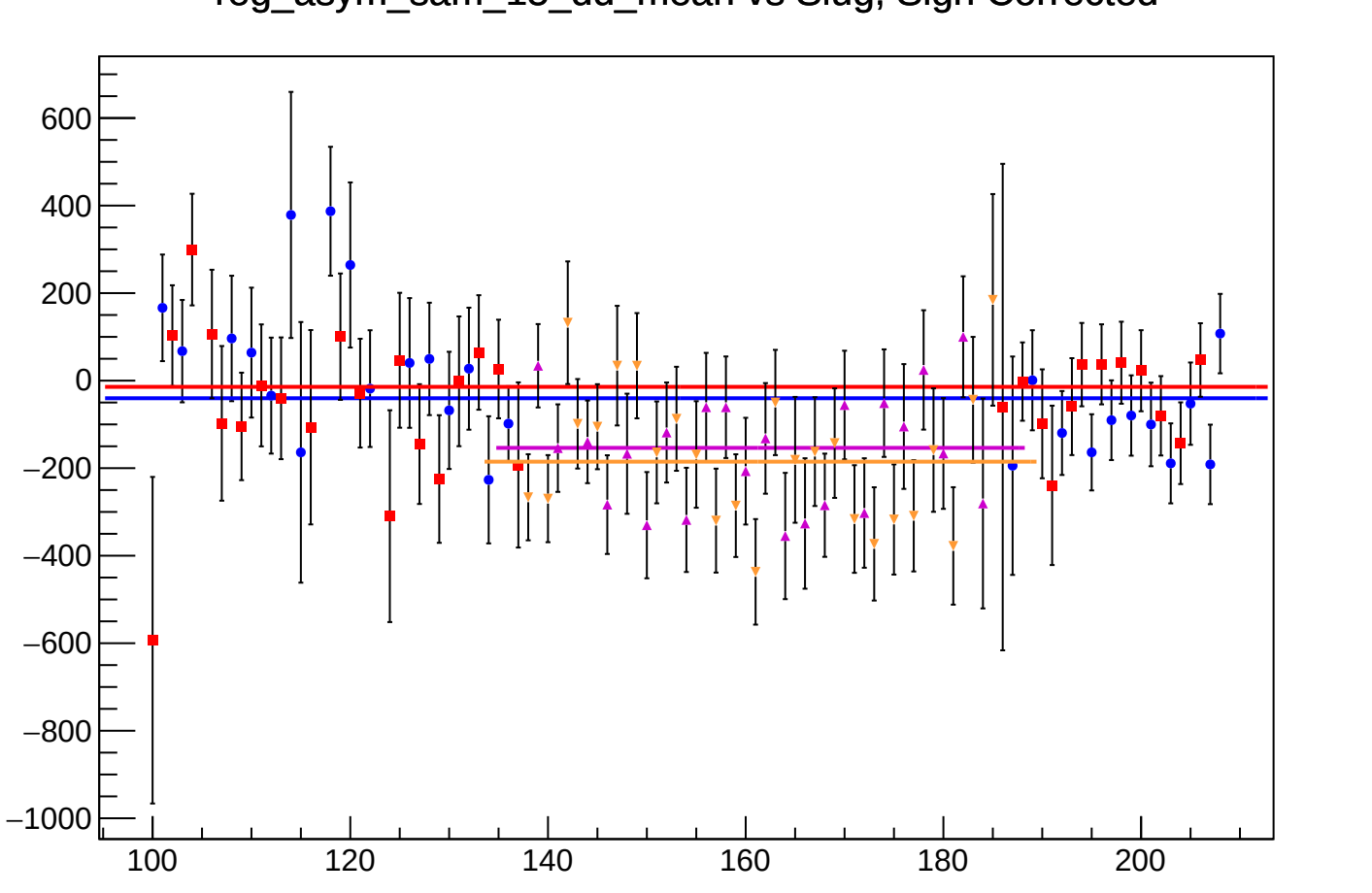
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15784919.8/57

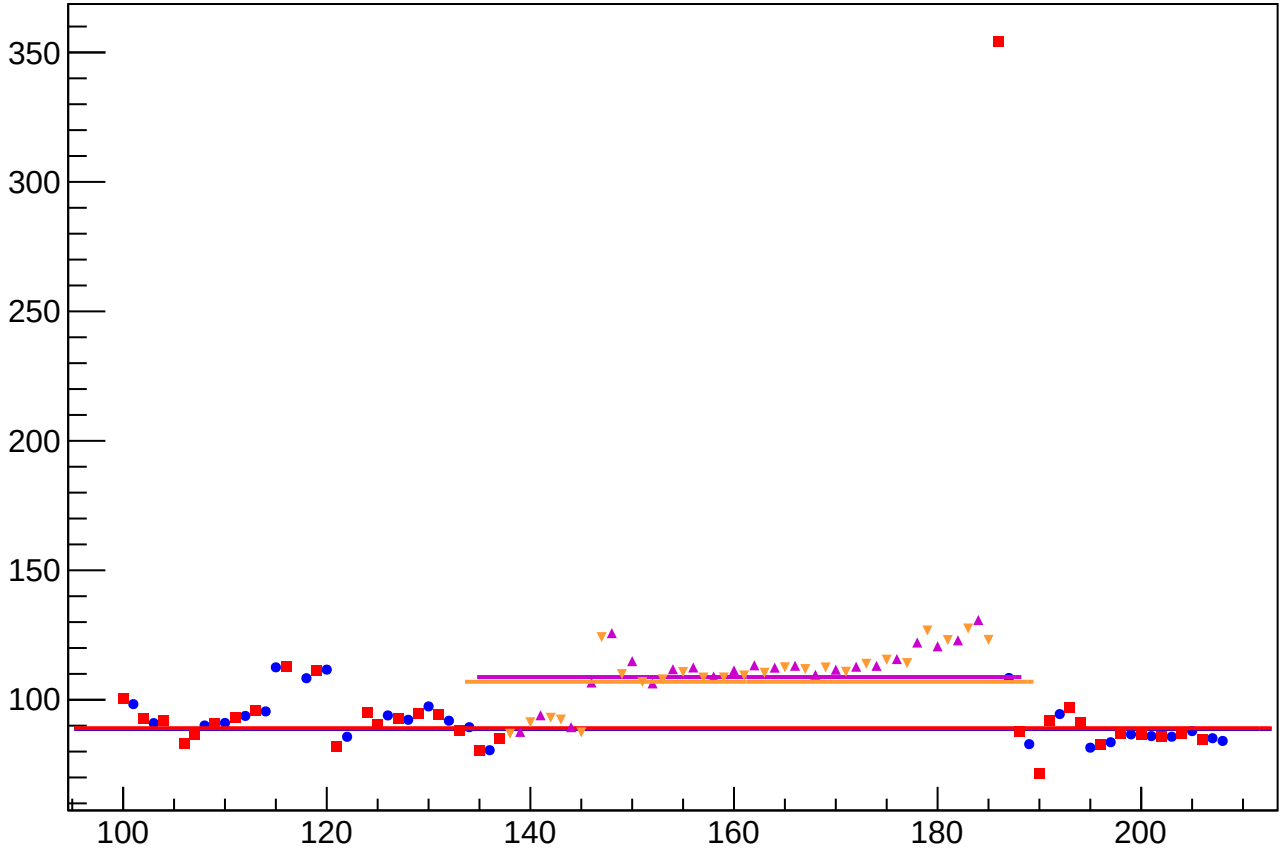
In: 0.000+/-0.000 χ^2/NDF:11596796.6/49

Out: 0.000+/-0.000 χ^2/NDF:14634603.0/55

All: 0.000+/-0.000 χ^2/NDF: 26466183.6/105


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -40.226+/-22.354 χ²/NDF: 33.9/26
Left Out: -185.146+/-24.452 χ²/NDF:33.1/24
Right Out: -14.201+/-22.151 χ²/NDF: 24.1/30
Left In: -153.627+/-25.538 χ²/NDF:23.5/22
Left: -170.071+/-17.662 χ²/NDF: 57.4/47
Right: -27.095+/-15.734 χ²/NDF: 58.7/57
In: -89.420+/-16.820 χ²/NDF:68.6/49
Out: -91.252+/-16.416 χ²/NDF:84.0/55
All: -90.358+/-11.748 χ²/NDF: 152.6/105

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.020+/-0.016 χ^2/NDF: 643041.9/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

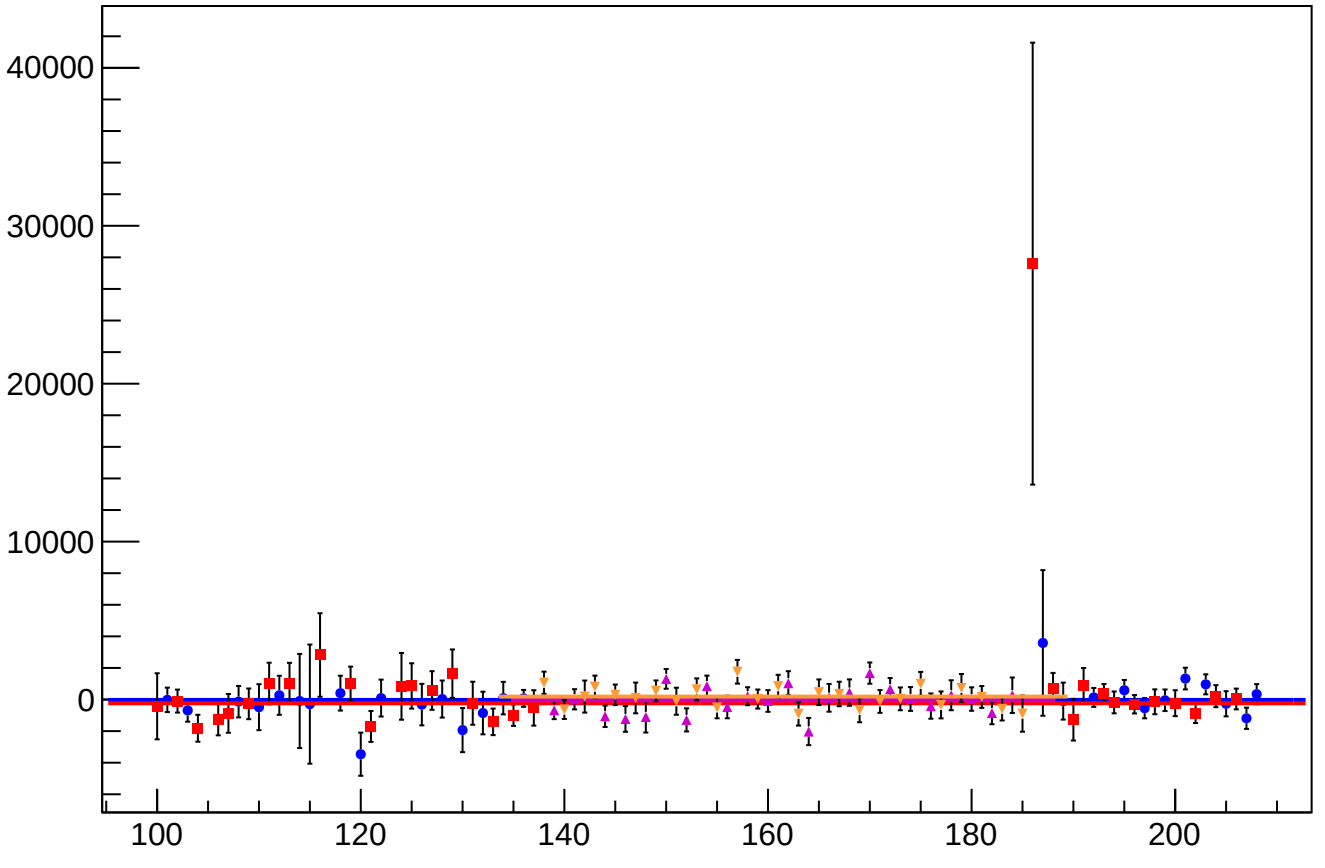
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.861+/-0.011 χ^2/NDF: 830159.2/57

In: 97.411+/-0.012 χ^2/NDF:1245483.6/49

Out: 97.103+/-0.012 χ^2/NDF:1698225.2/55

All: 97.253+/-0.008 χ^2/NDF: 2944051.1/105



Right In: -25.446+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.835+/-164.978 χ^2/NDF: 27.1/30

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

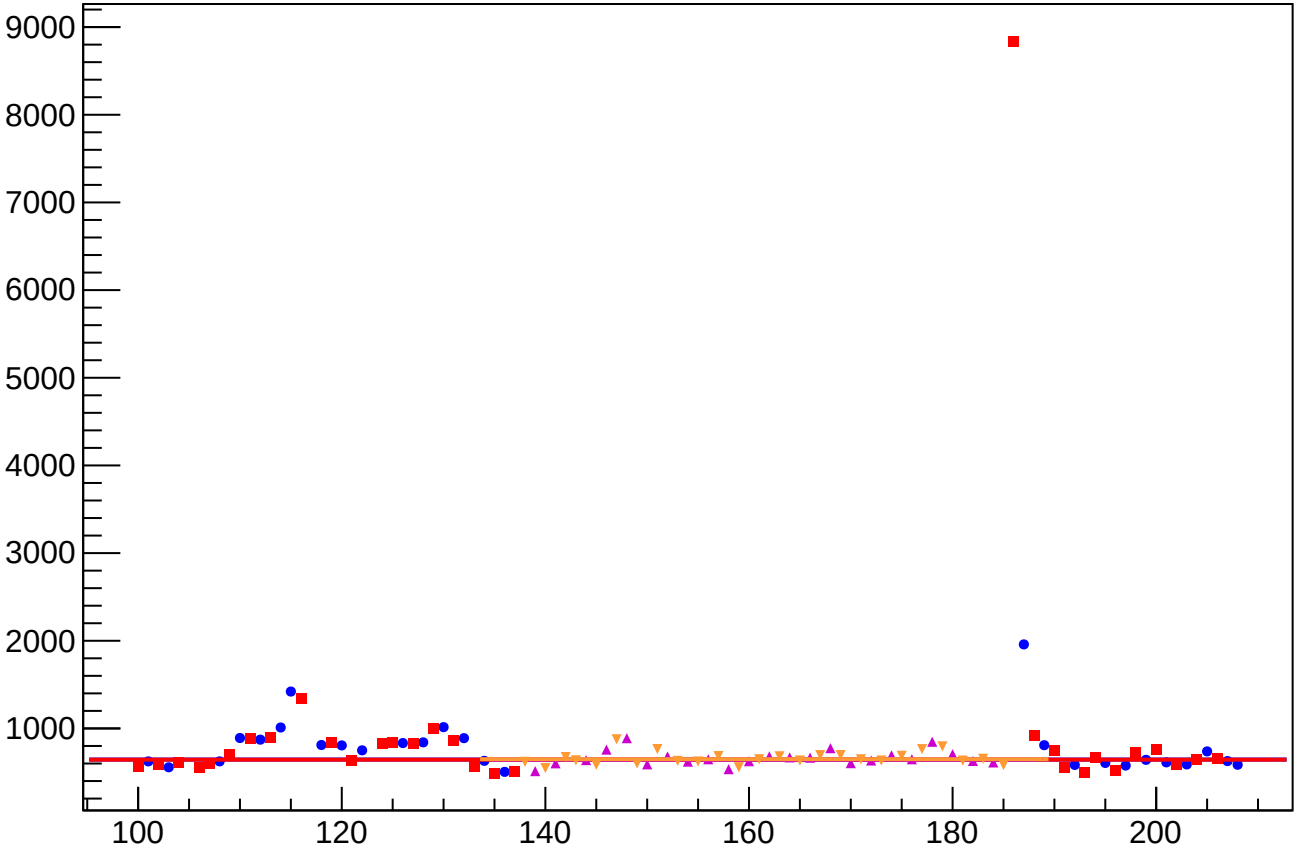
Right: -132.472+/-117.113 χ^2/NDF: 49.8/57

In: -35.141+/-112.211 χ^2/NDF:55.6/49

Out: -3.899+/-110.504 χ^2/NDF:49.8/55

All: -19.280+/-78.735 χ^2/NDF: 105.4/105

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 645.247+/-0.118 χ^2/NDF: 1119981.7/26

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.779+/-0.117 χ^2/NDF: 1966867.6/30

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

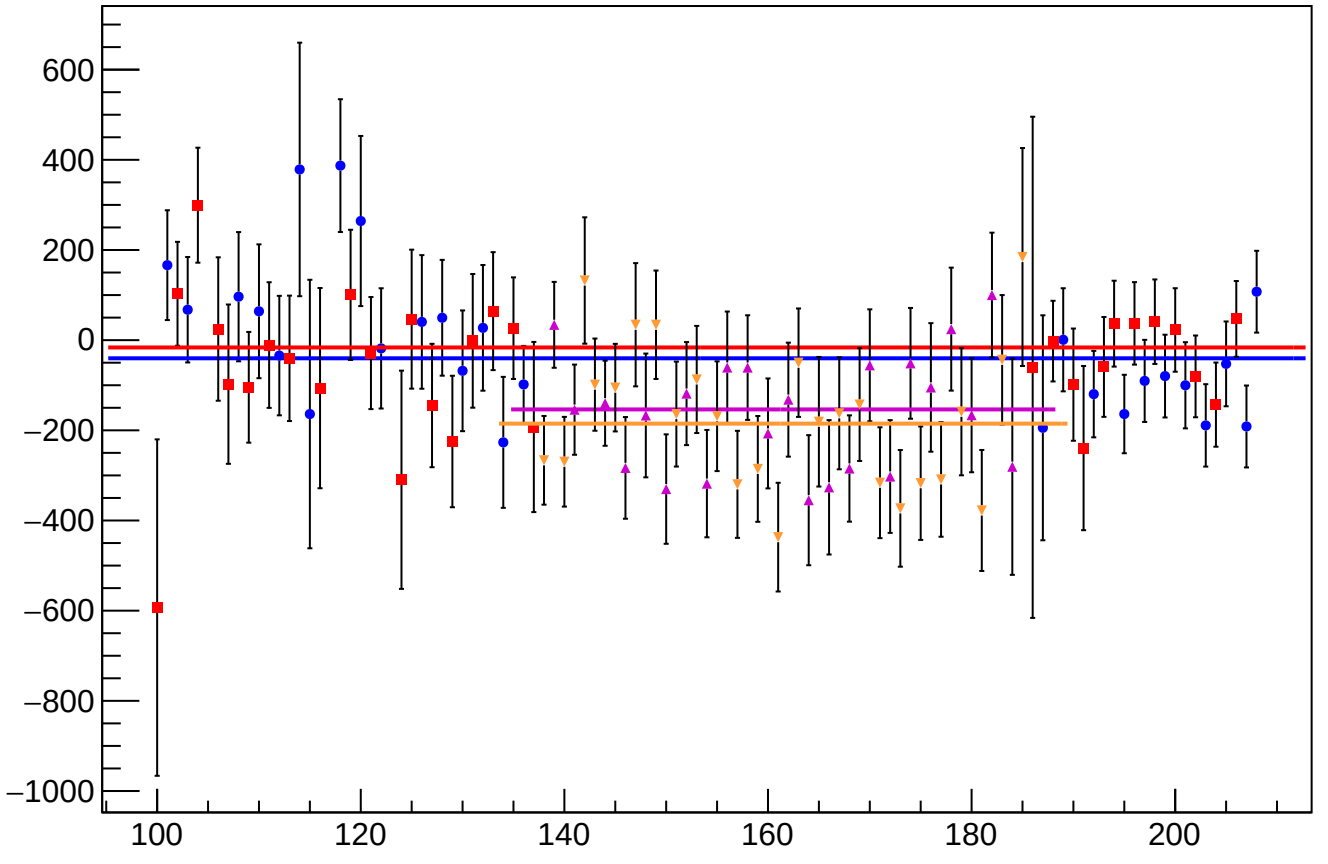
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 644.507+/-0.083 χ^2/NDF: 3086927.8/57

In: 644.607+/-0.079 χ^2/NDF:1679156.0/49

Out: 646.762+/-0.078 χ^2/NDF:2386417.9/55

All: 645.701+/-0.056 χ^2/NDF: 4065948.3/105



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -16.201+/-22.188 χ^2/NDF: 23.5/30

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

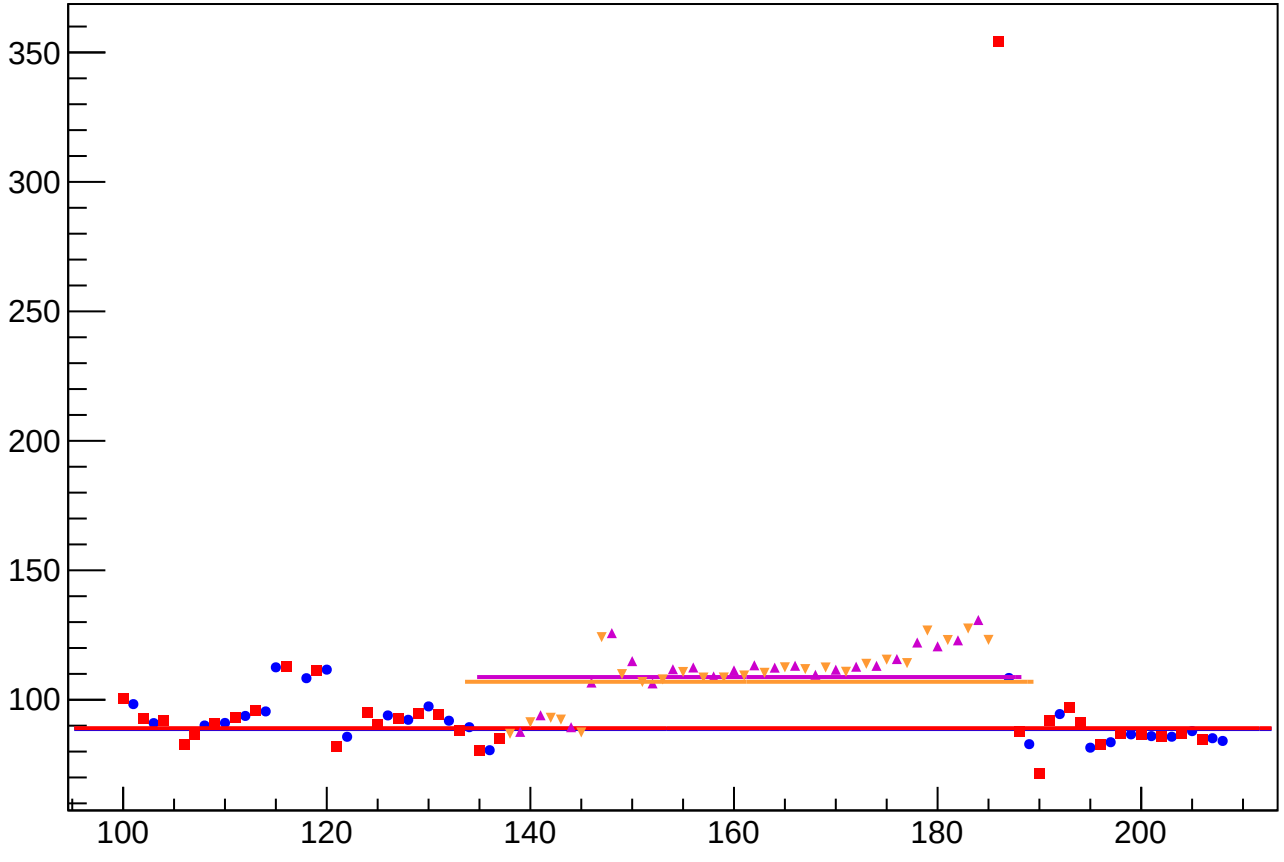
Right: -28.123+/-15.748 χ^2/NDF: 58.0/57

In: -89.421+/-16.820 χ^2/NDF:68.6/49

Out: -92.492+/-16.432 χ^2/NDF:82.7/55

All: -90.993+/-11.754 χ^2/NDF: 151.3/105

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

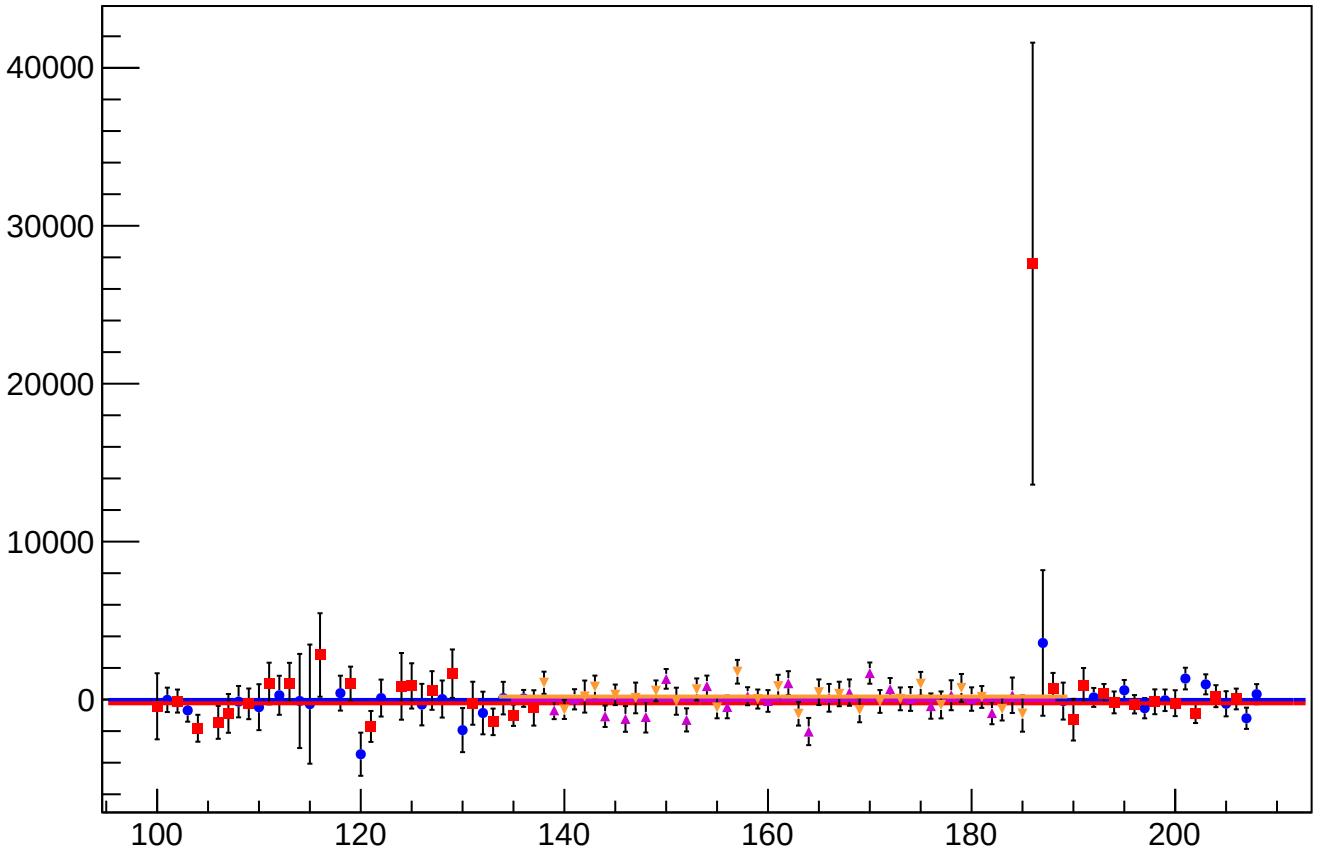
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.866+/-0.011 χ^2/NDF: 830233.5/57

In: 97.411+/-0.012 χ^2/NDF:1245483.6/49

Out: 97.123+/-0.012 χ^2/NDF:1696792.7/55

All: 97.264+/-0.008 χ^2/NDF: 2942575.3/105



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.846+/-165.219 χ^2/NDF: 27.3/30

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

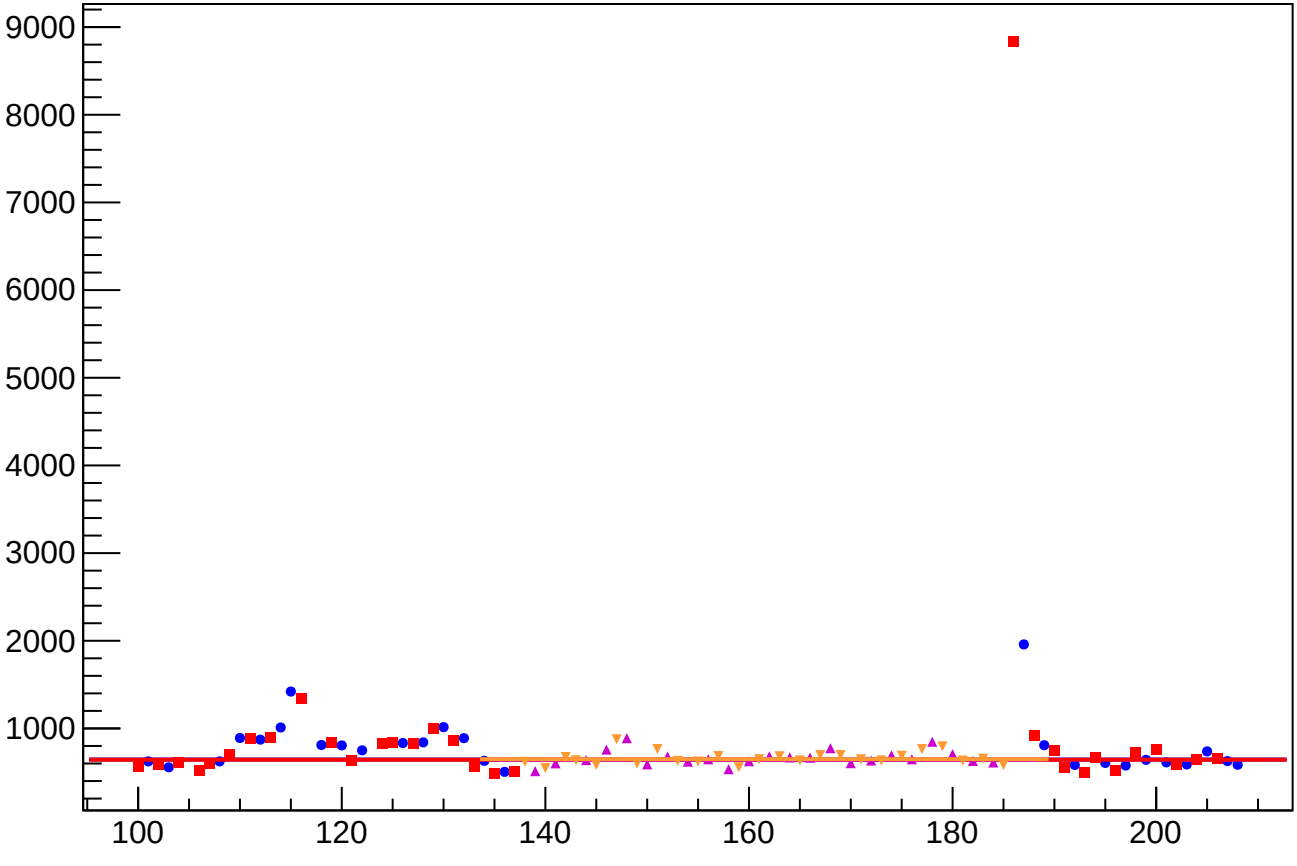
Right: -132.826+/-117.199 χ^2/NDF: 50.0/57

In: -35.143+/-112.212 χ^2/NDF:55.6/49

Out: -4.049+/-110.576 χ^2/NDF:50.0/55

All: -19.368+/-78.761 χ^2/NDF: 105.6/105

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

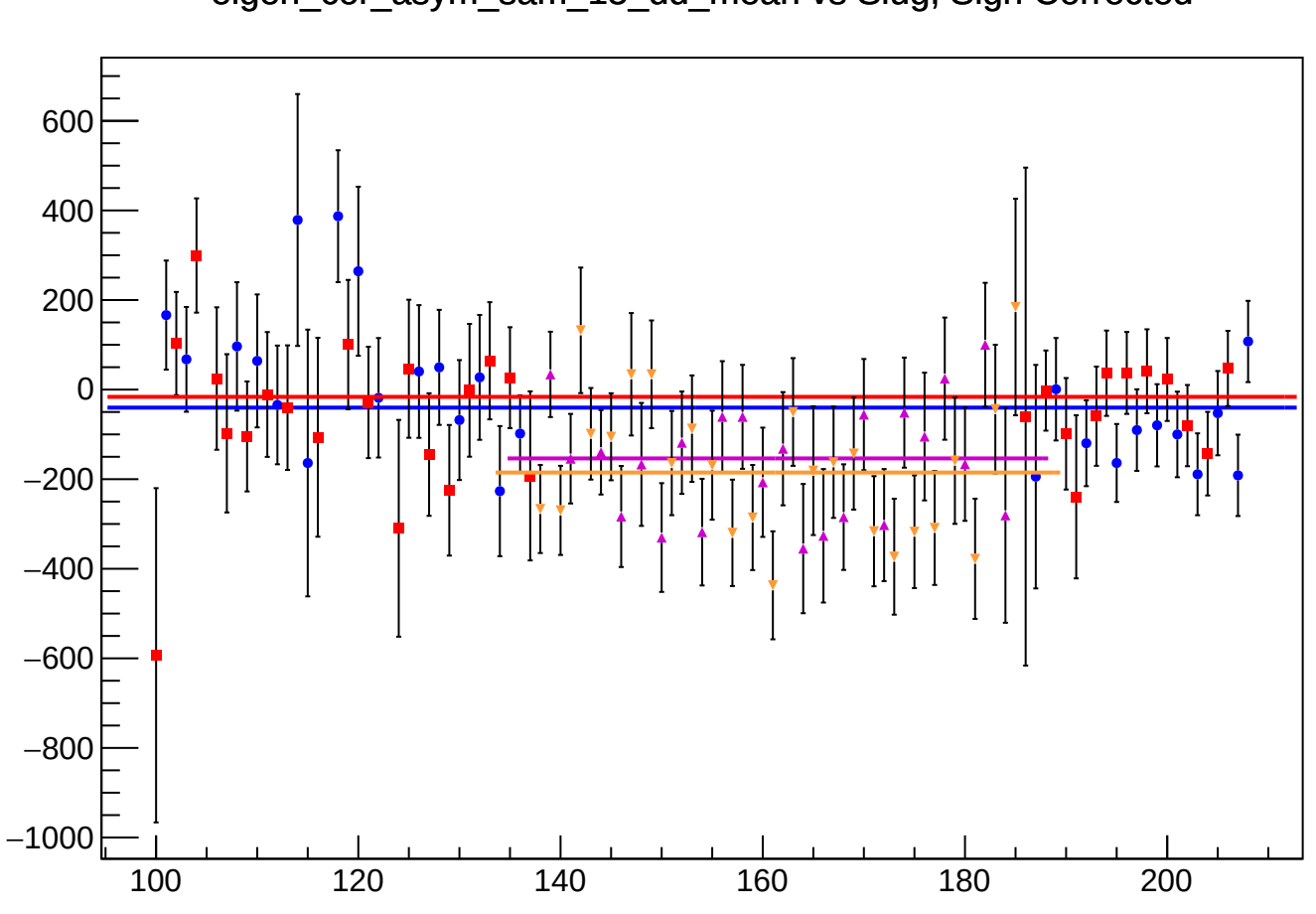
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.293+/-0.083 χ^2/NDF: 3096100.5/57

In: 644.607+/-0.079 χ^2/NDF:1679157.8/49

Out: 646.575+/-0.078 χ^2/NDF:2395730.8/55

All: 645.605+/-0.056 χ^2/NDF: 4075200.6/105



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -16.201+/-22.188 χ^2/NDF: 23.5/30

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

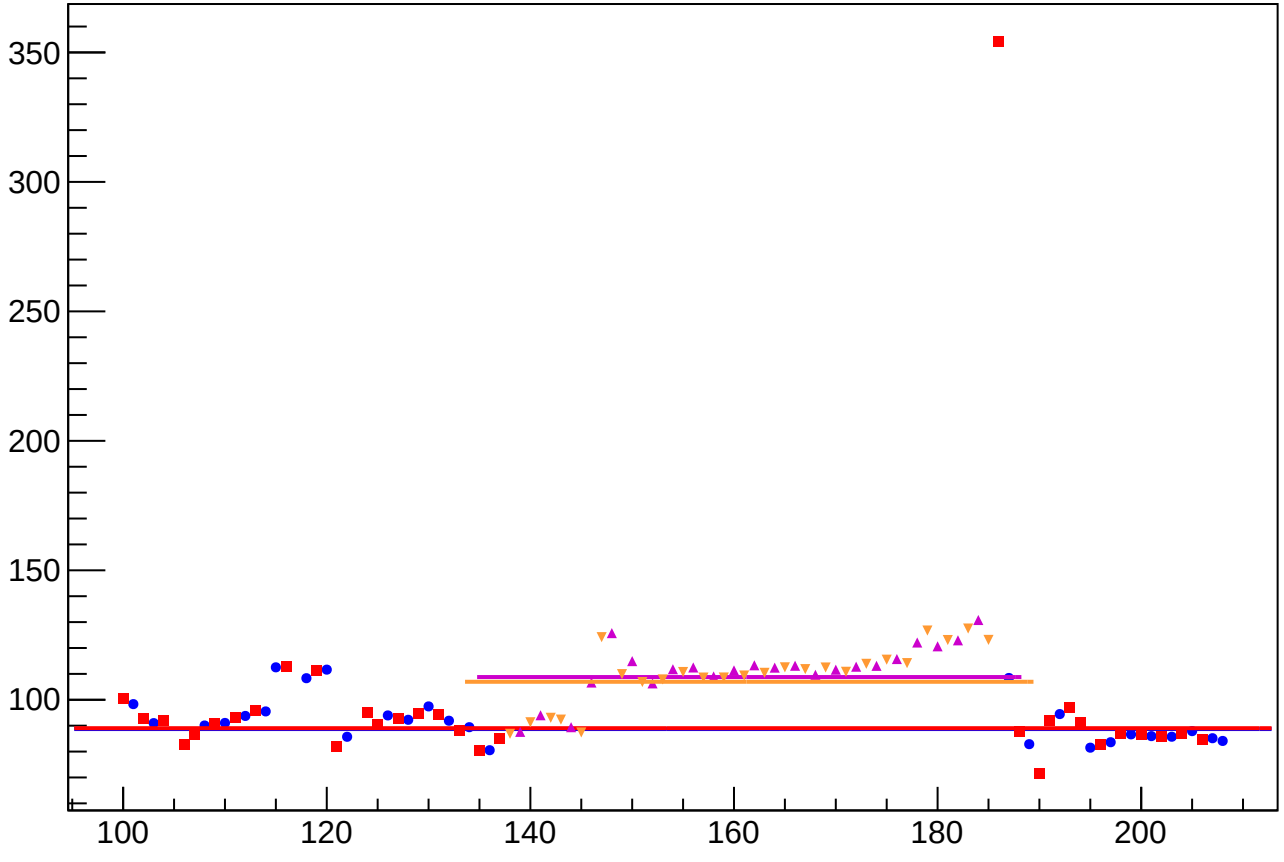
Right: -28.123+/-15.748 χ^2/NDF: 58.0/57

In: -89.421+/-16.820 χ^2/NDF:68.6/49

Out: -92.492+/-16.432 χ^2/NDF:82.7/55

All: -90.993+/-11.754 χ^2/NDF: 151.3/105

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

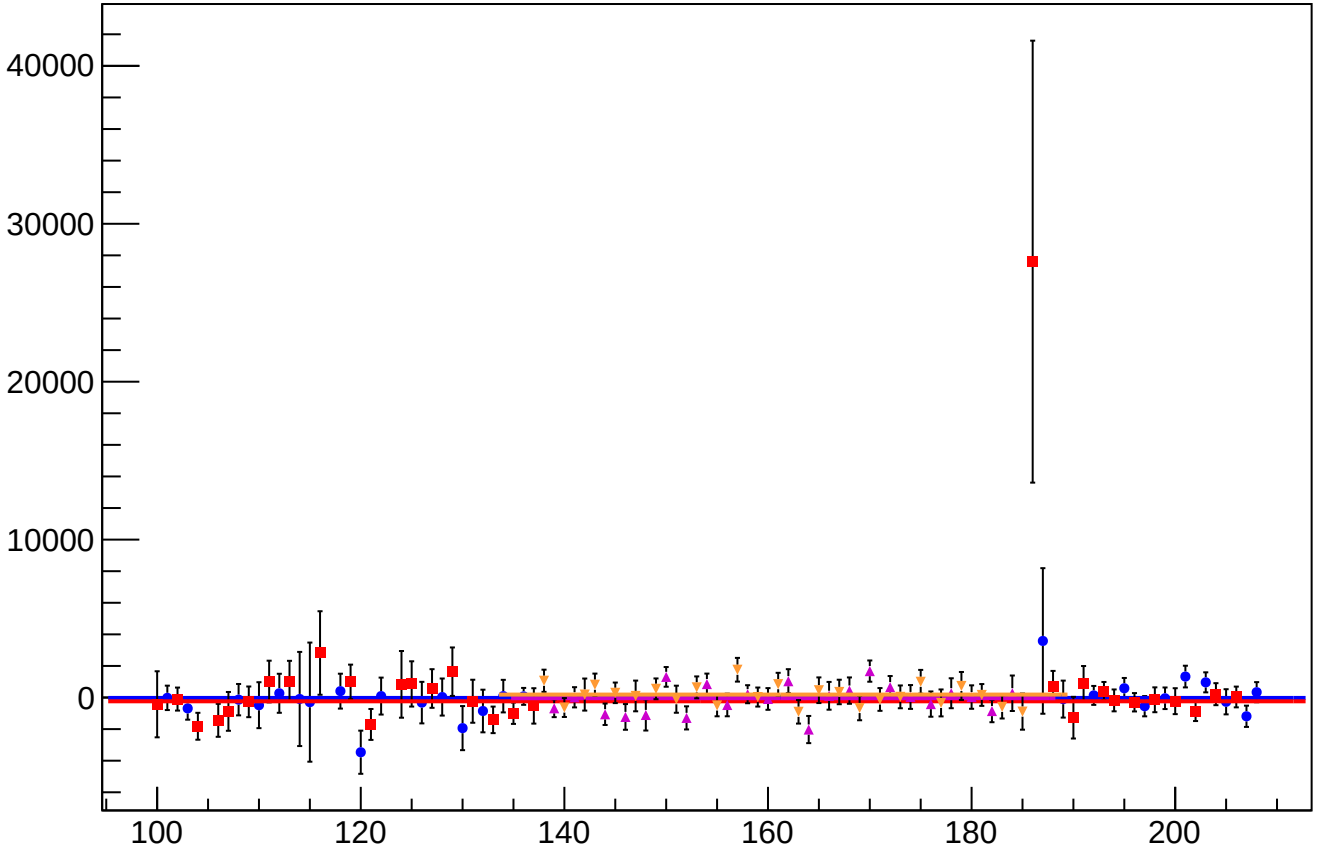
Right: 88.866+/-0.011 χ^2/NDF: 830233.5/57

In: 97.411+/-0.012 χ^2/NDF:1245483.6/49

Out: 97.123+/-0.012 χ^2/NDF:1696792.7/55

All: 97.264+/-0.008 χ^2/NDF: 2942575.3/105

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.846+/-165.219 χ^2/NDF: 27.3/30

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

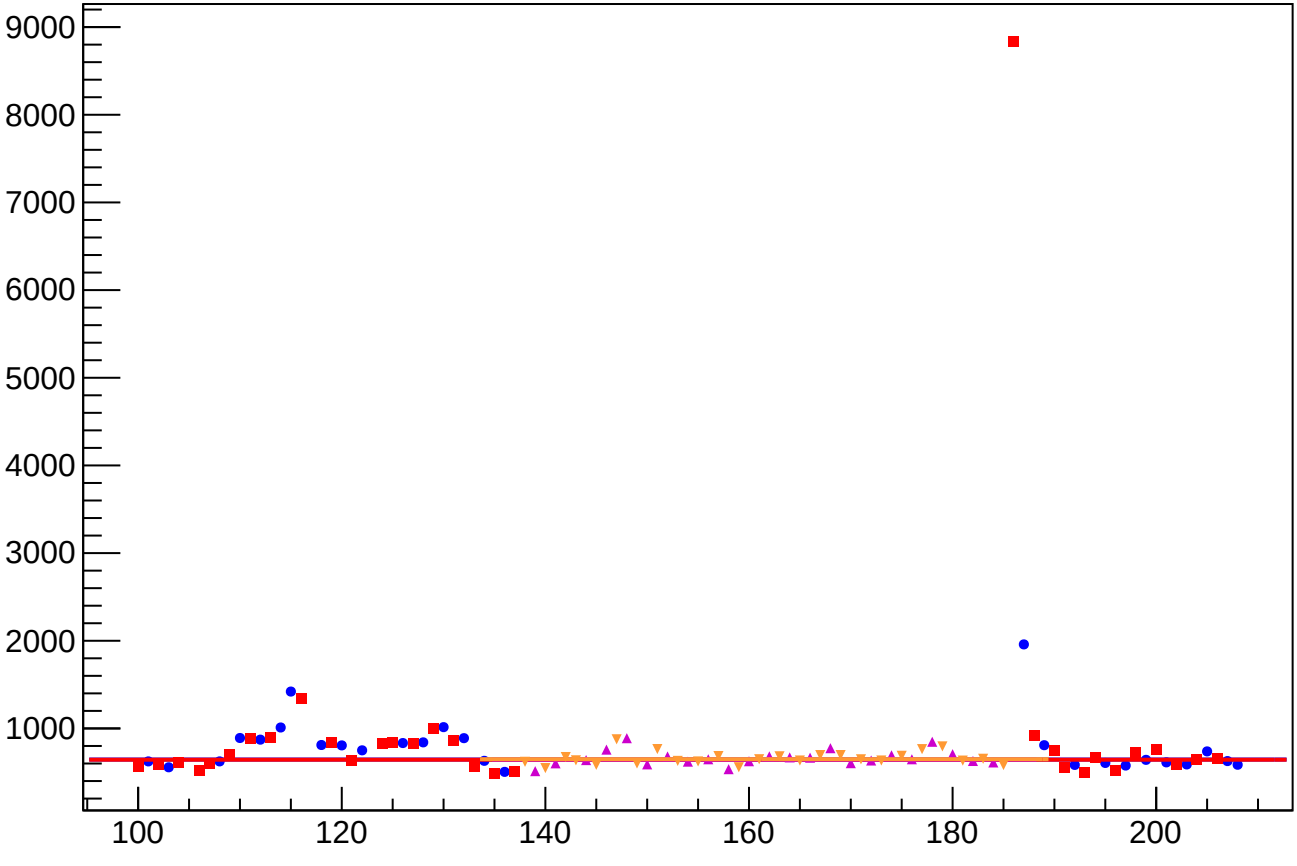
Right: -132.826+/-117.199 χ^2/NDF: 50.0/57

In: -35.143+/-112.212 χ^2/NDF:55.6/49

Out: -4.049+/-110.576 χ^2/NDF:50.0/55

All: -19.368+/-78.761 χ^2/NDF: 105.6/105

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

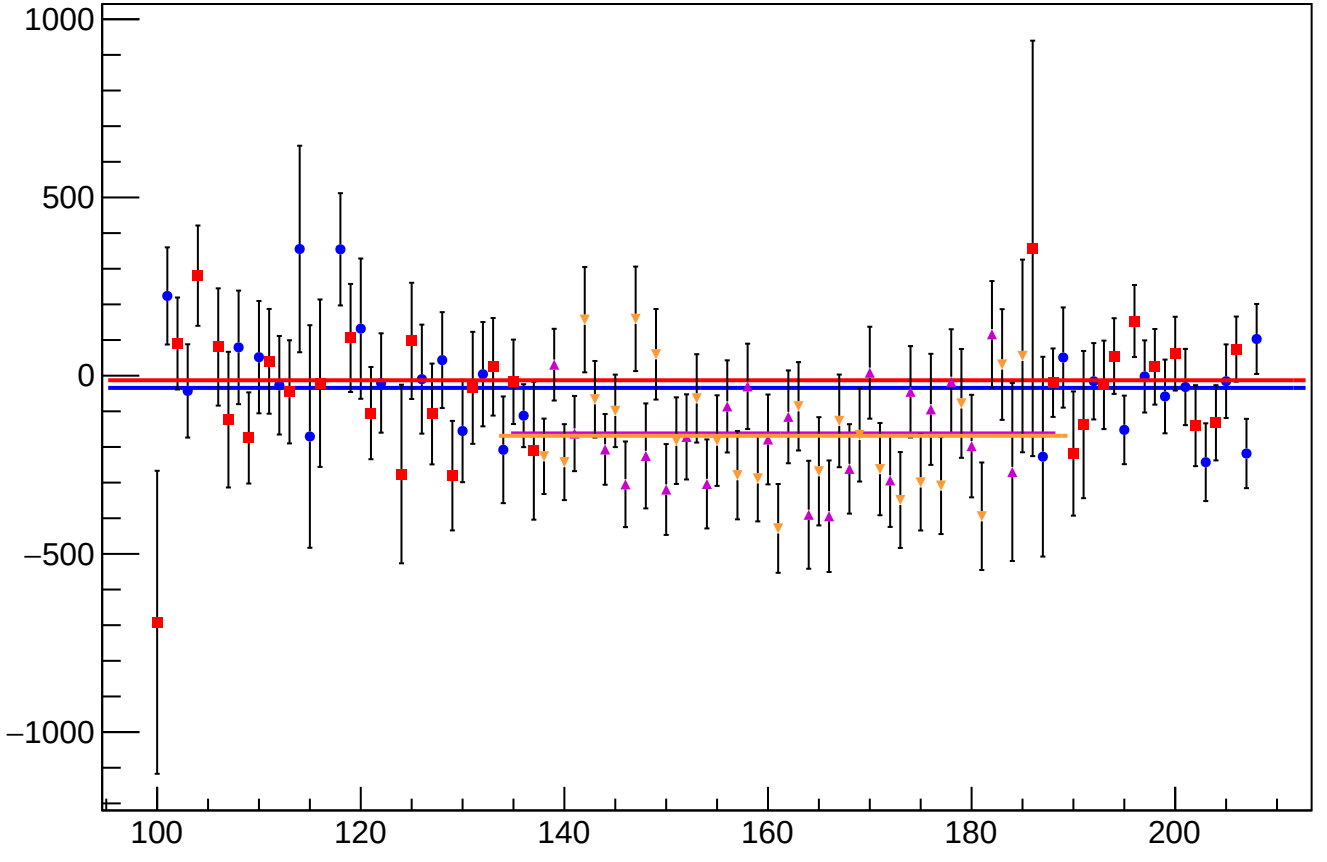
Right: 644.293+/-0.083 χ^2/NDF: 3096100.5/57

In: 644.607+/-0.079 χ^2/NDF:1679157.8/49

Out: 646.575+/-0.078 χ^2/NDF:2395730.8/55

All: 645.605+/-0.056 χ^2/NDF: 4075200.6/105

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -34.258+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.892+/-24.369 χ^2/NDF: 26.7/30

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

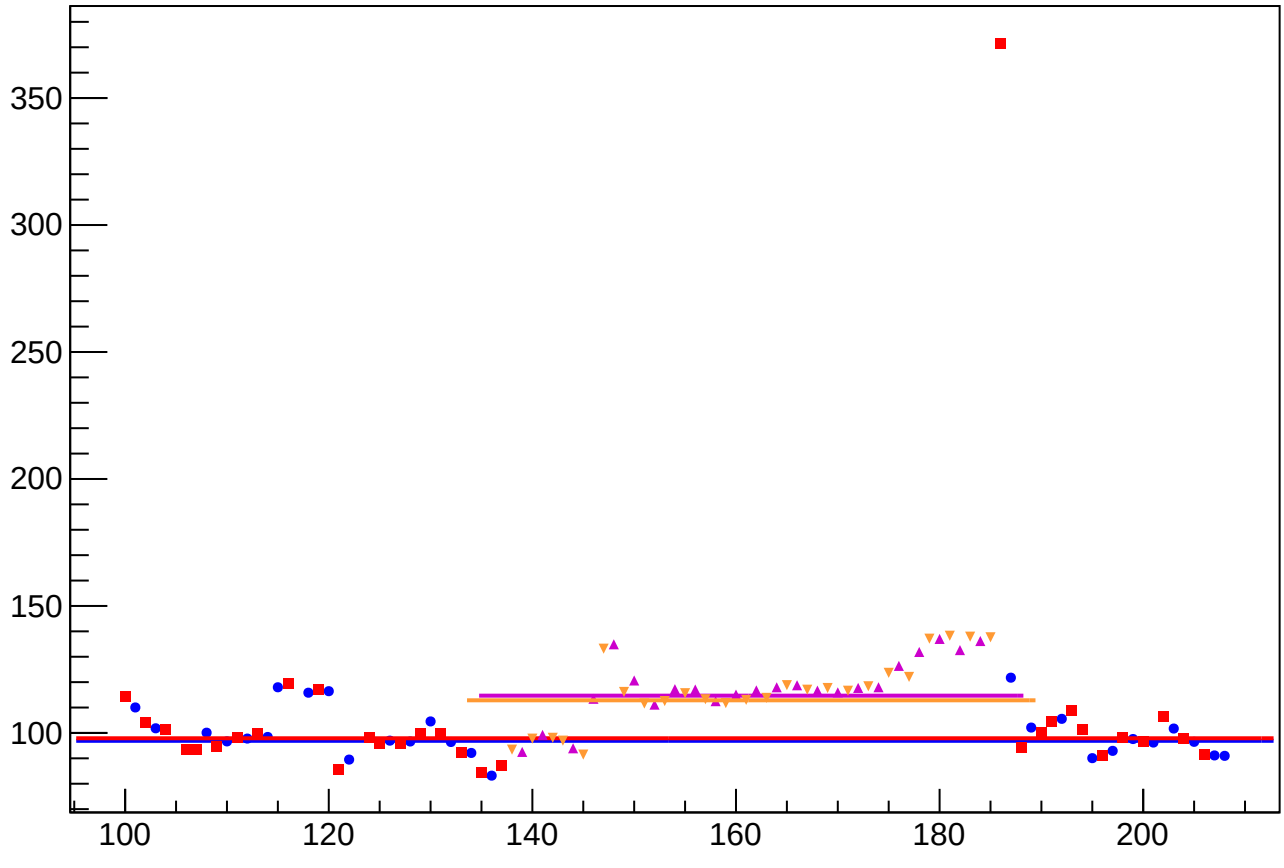
Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

Right: -23.545+/-17.255 χ^2/NDF: 55.3/57

In: -91.915+/-18.102 χ^2/NDF:64.1/49

Out: -86.267+/-17.722 χ^2/NDF:78.3/55

All: -89.031+/-12.664 χ^2/NDF: 142.5/105



Right In: 96.902+/-0.017 χ^2/NDF: 204836.1/26

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.897+/-0.017 χ^2/NDF: 609583.3/30

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

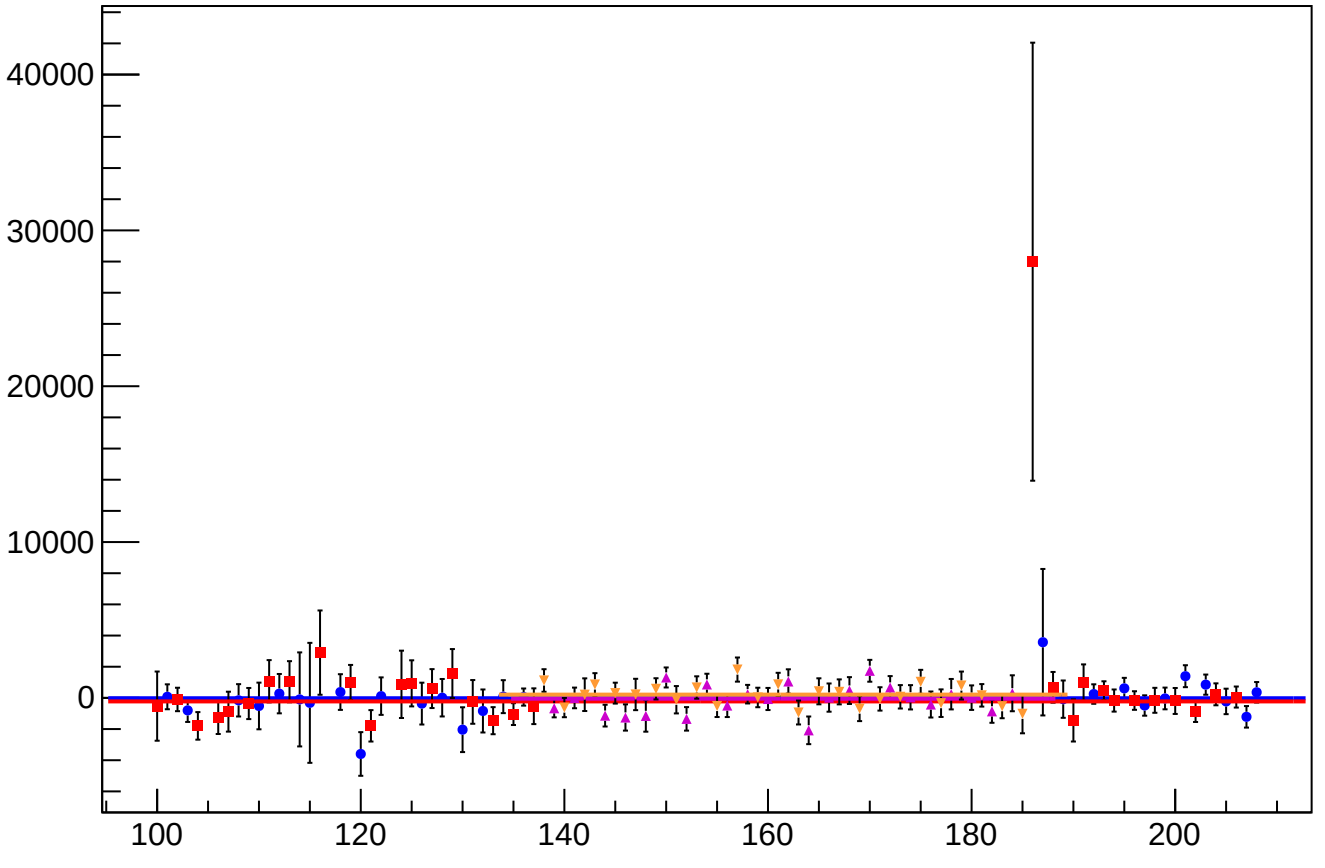
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.401+/-0.012 χ^2/NDF: 816081.8/57

In: 104.923+/-0.013 χ^2/NDF:1092295.0/49

Out: 104.941+/-0.013 χ^2/NDF:1476600.2/55

All: 104.932+/-0.009 χ^2/NDF: 2568896.4/105



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -226.370+/-170.203 χ^2/NDF: 27.0/30

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

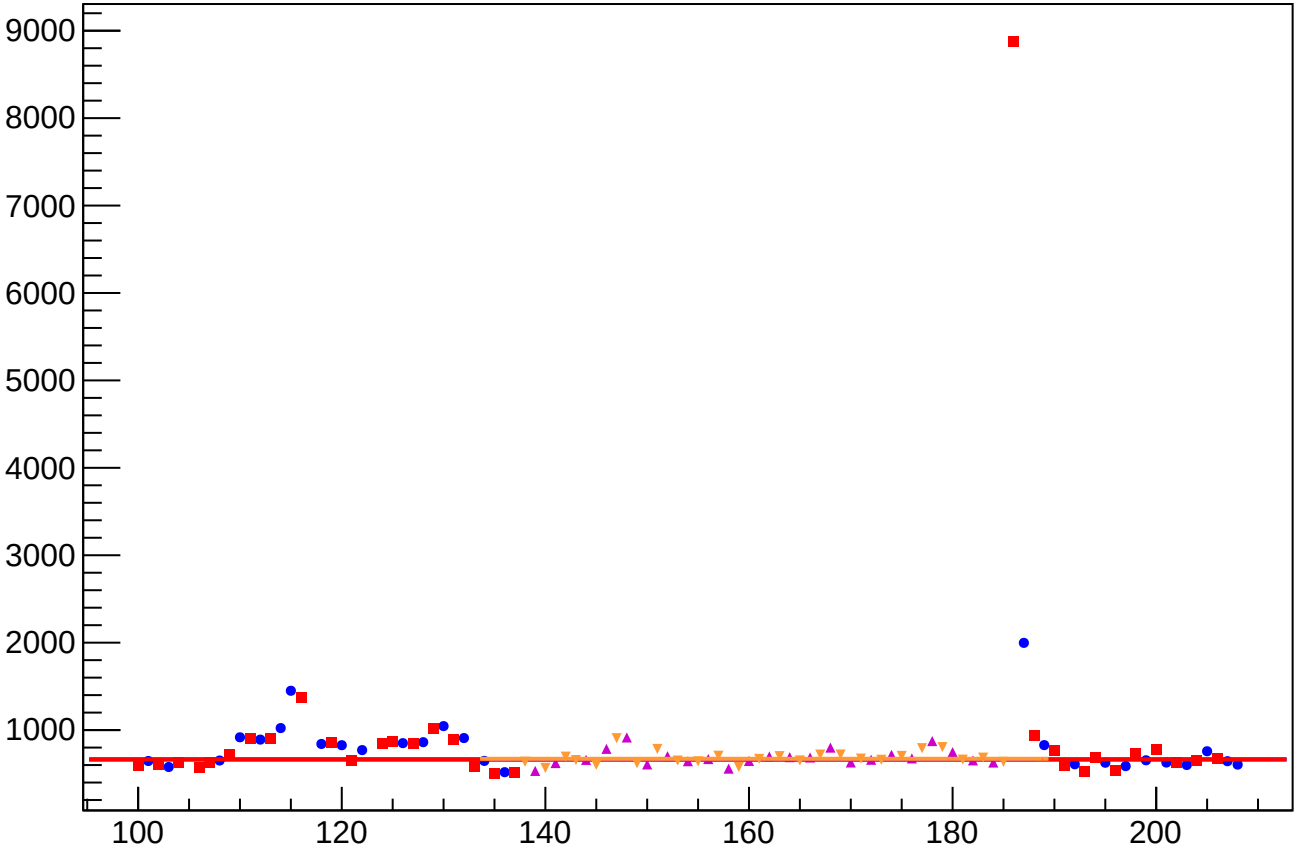
Right: -124.862+/-120.629 χ^2/NDF: 49.5/57

In: -37.482+/-115.840 χ^2/NDF:55.1/49

Out: 13.331+/-114.164 χ^2/NDF:49.5/55

All: -11.705+/-81.312 χ^2/NDF: 104.7/105

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.937+/-0.121 χ^2/NDF: 1105907.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.262+/-0.120 χ^2/NDF: 1888700.5/30

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

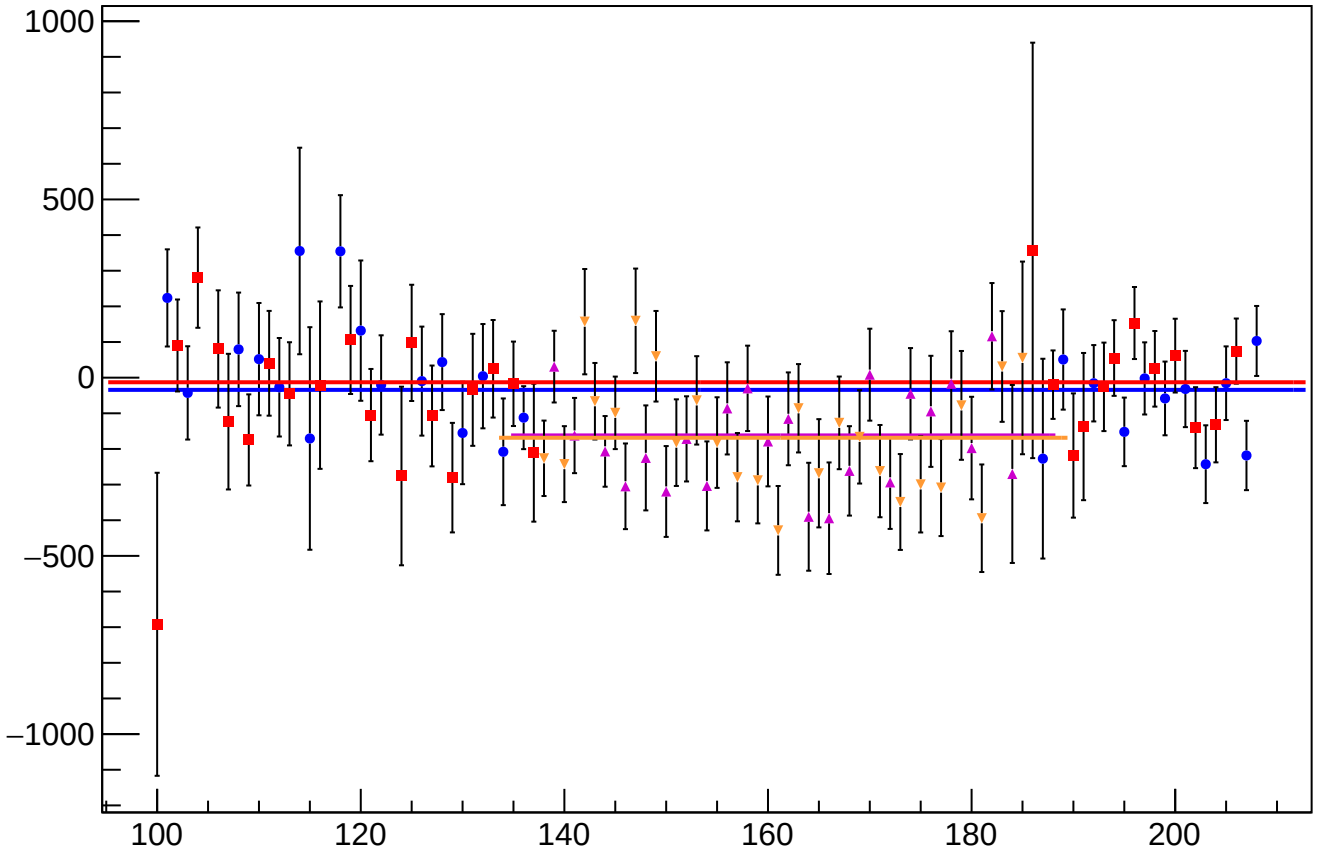
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 664.603+/-0.085 χ^2/NDF: 2994668.8/57

In: 665.779+/-0.082 χ^2/NDF:1653240.3/49

Out: 668.885+/-0.081 χ^2/NDF:2289508.0/55

All: 667.355+/-0.057 χ^2/NDF: 3943477.9/105



Right In: -34.257+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.892+/-24.369 χ^2/NDF: 26.7/30

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

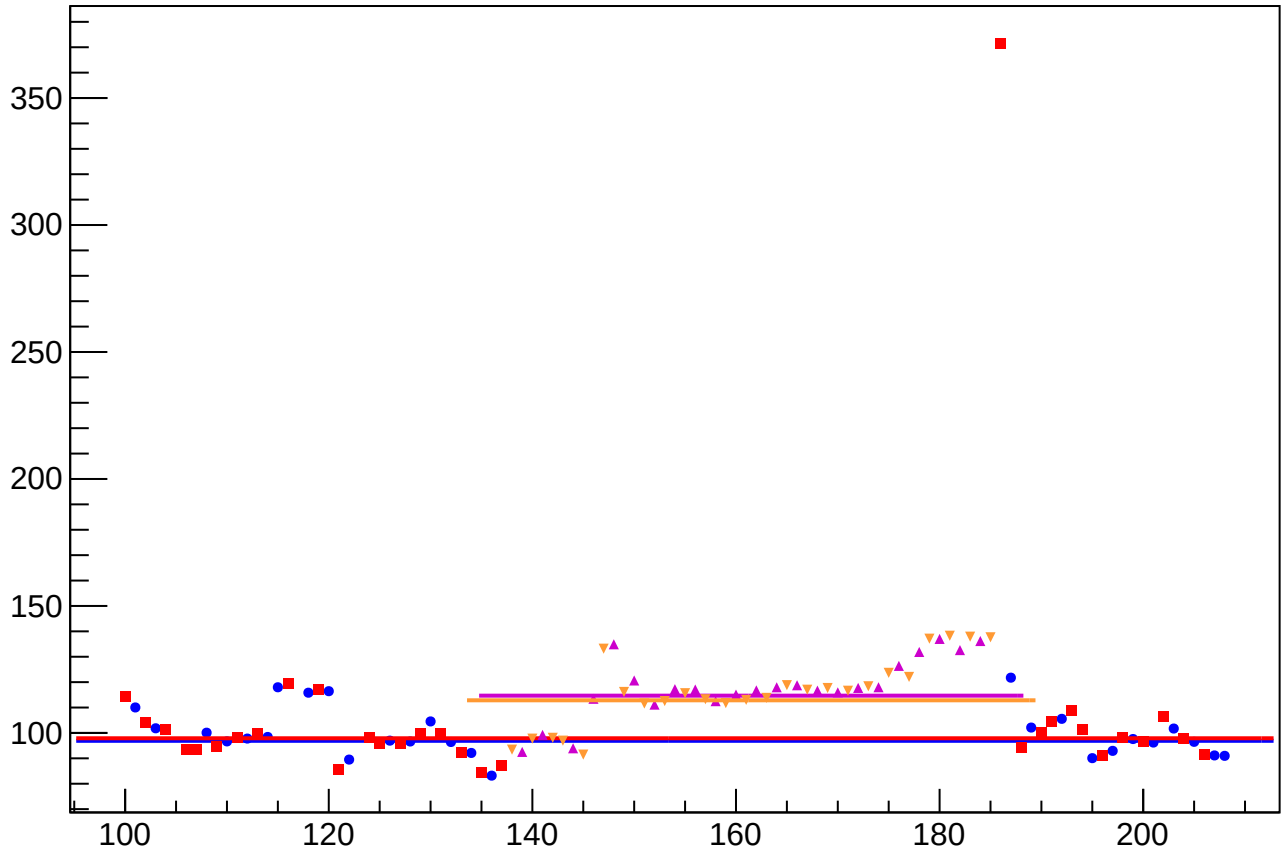
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -23.545+/-17.255 χ^2/NDF: 55.3/57

In: -91.914+/-18.102 χ^2/NDF:64.1/49

Out: -86.267+/-17.722 χ^2/NDF:78.3/55

All: -89.031+/-12.664 χ^2/NDF: 142.5/105



Right In: 96.902+/-0.017 χ^2/NDF: 204841.0/26

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.897+/-0.017 χ^2/NDF: 609584.4/30

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

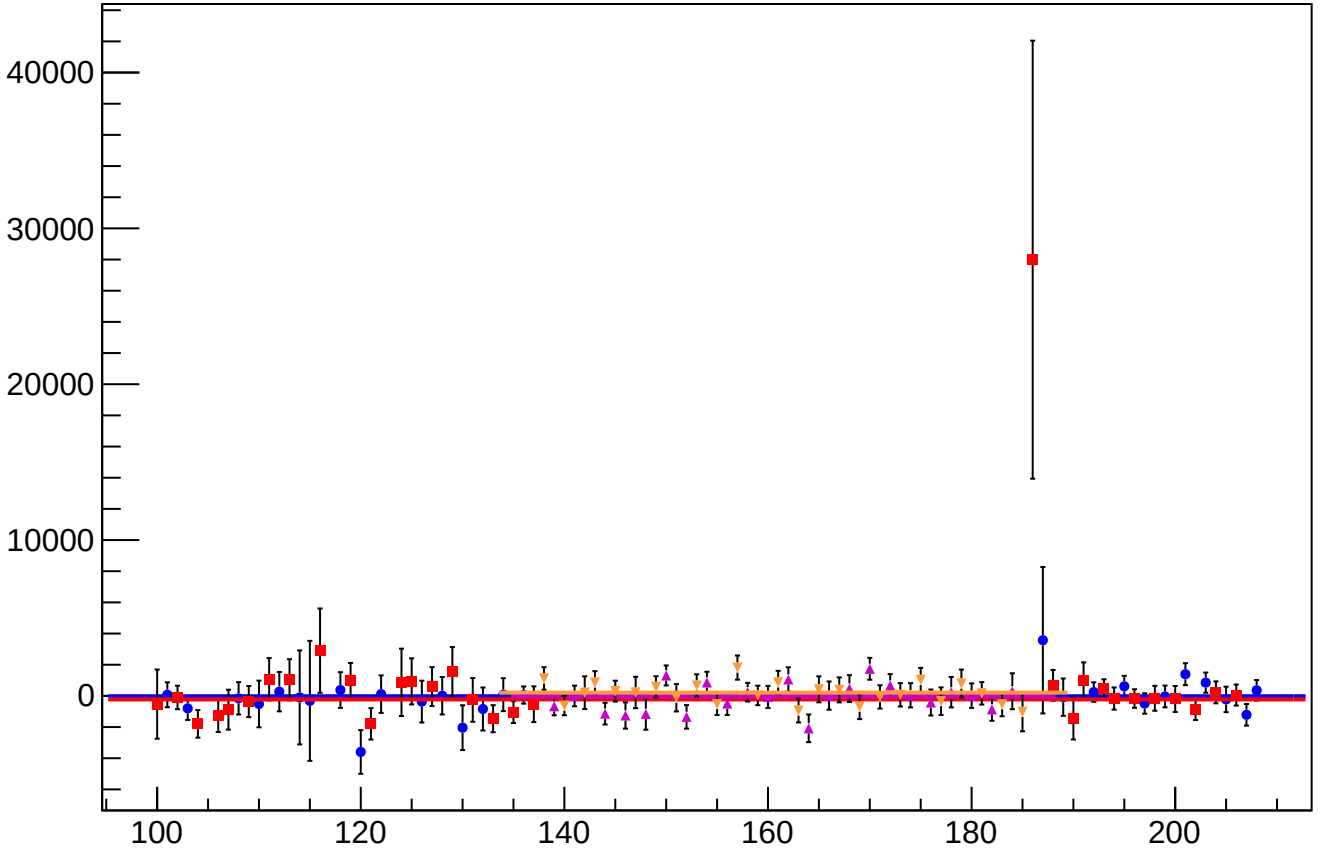
Right: 97.400+/-0.012 χ^2/NDF: 816088.0/57

In: 104.923+/-0.013 χ^2/NDF:1092312.1/49

Out: 104.941+/-0.013 χ^2/NDF:1476602.5/55

All: 104.932+/-0.009 χ^2/NDF: 2568915.6/105

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -226.370+/-170.203 χ^2/NDF: 27.0/30

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

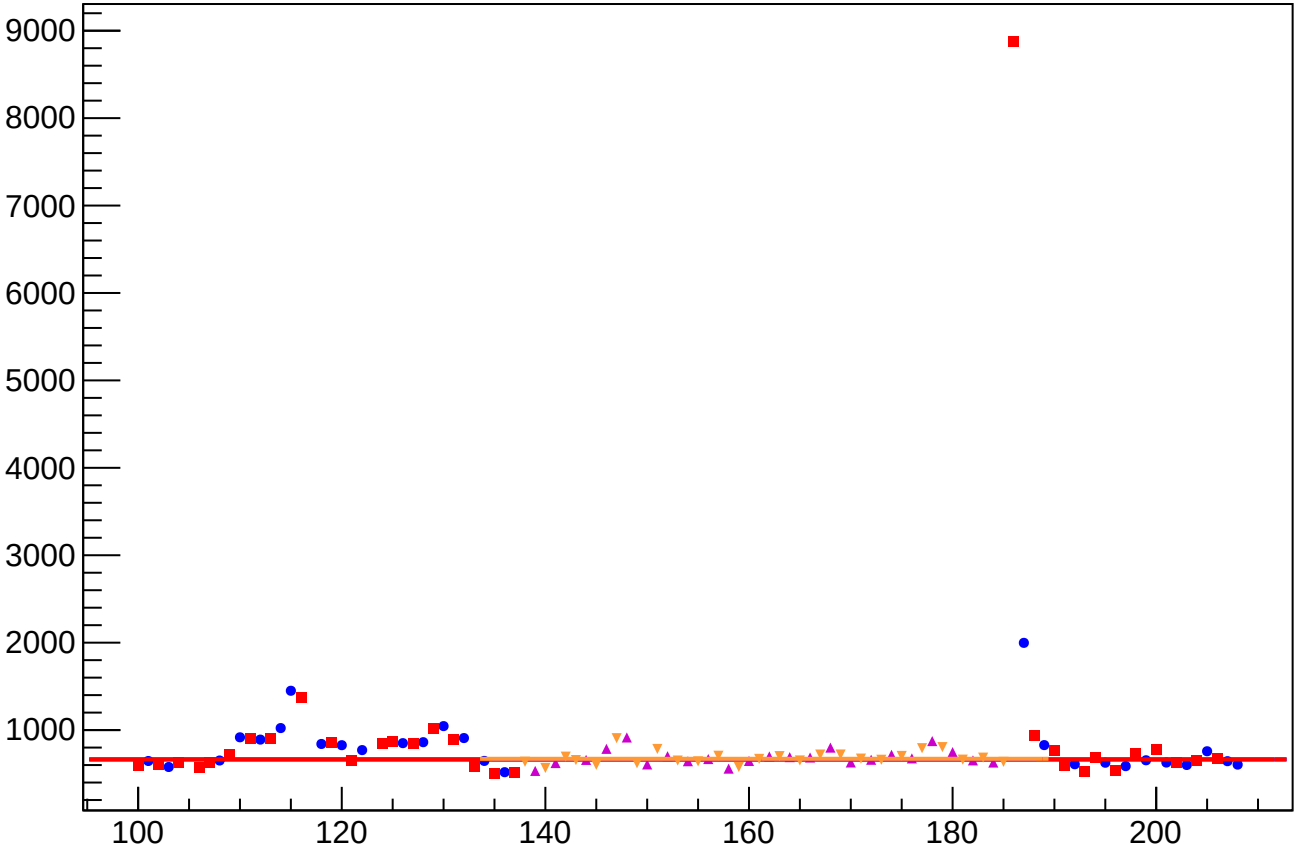
Right: -124.862+/-120.629 χ^2/NDF: 49.5/57

In: -37.483+/-115.840 χ^2/NDF:55.1/49

Out: 13.331+/-114.164 χ^2/NDF:49.5/55

All: -11.706+/-81.312 χ^2/NDF: 104.7/105

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.937+/-0.121 χ^2/NDF: 1105908.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.261+/-0.120 χ^2/NDF: 1888705.1/30

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

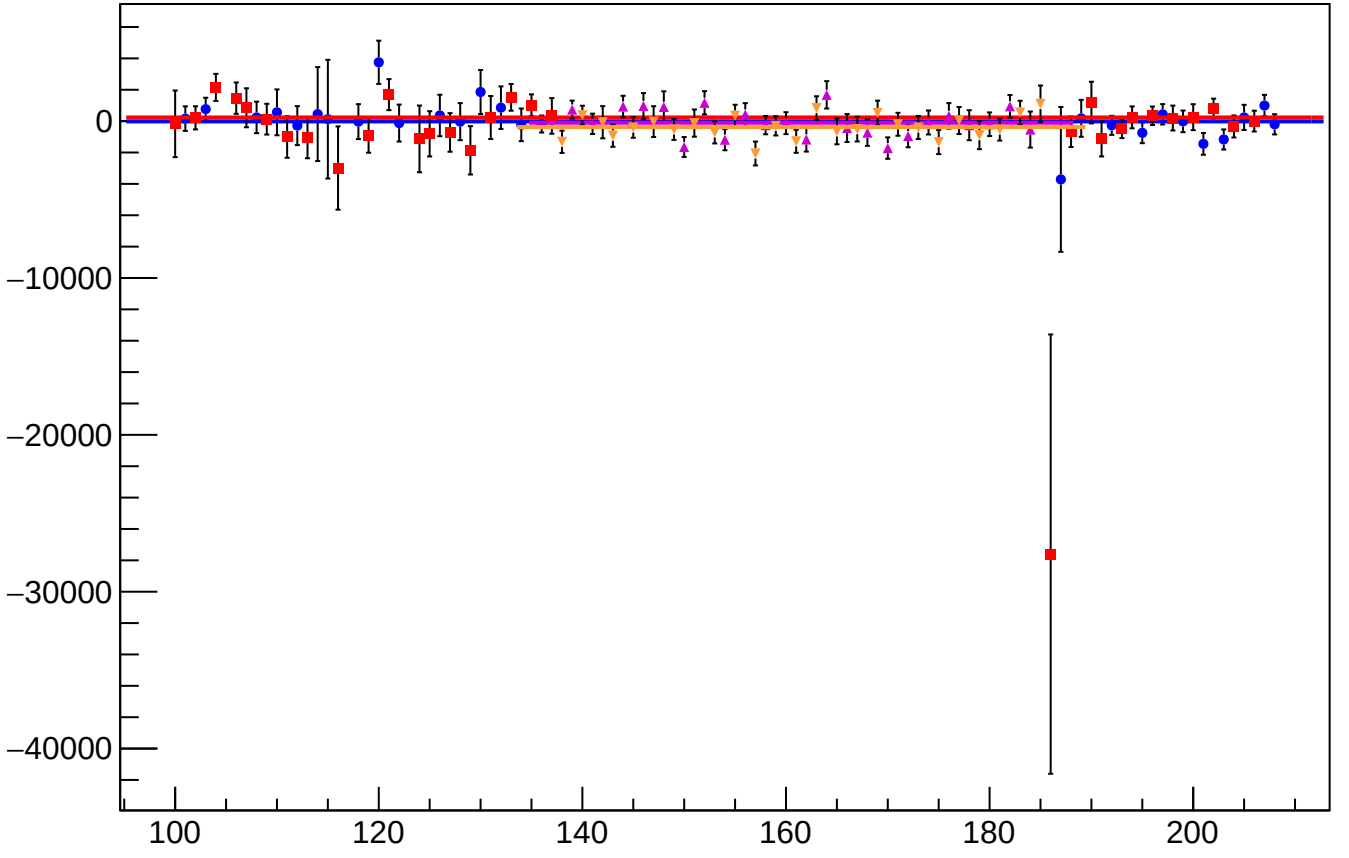
Right: 664.602+/-0.085 χ^2/NDF: 2994674.2/57

In: 665.779+/-0.082 χ^2/NDF:1653243.8/49

Out: 668.885+/-0.081 χ^2/NDF:2289513.5/55

All: 667.355+/-0.057 χ^2/NDF: 3943486.8/105

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -17.883+/-167.982 χ^2/NDF: 23.8/26

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 234.745+/-166.762 χ^2/NDF: 30.3/30

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

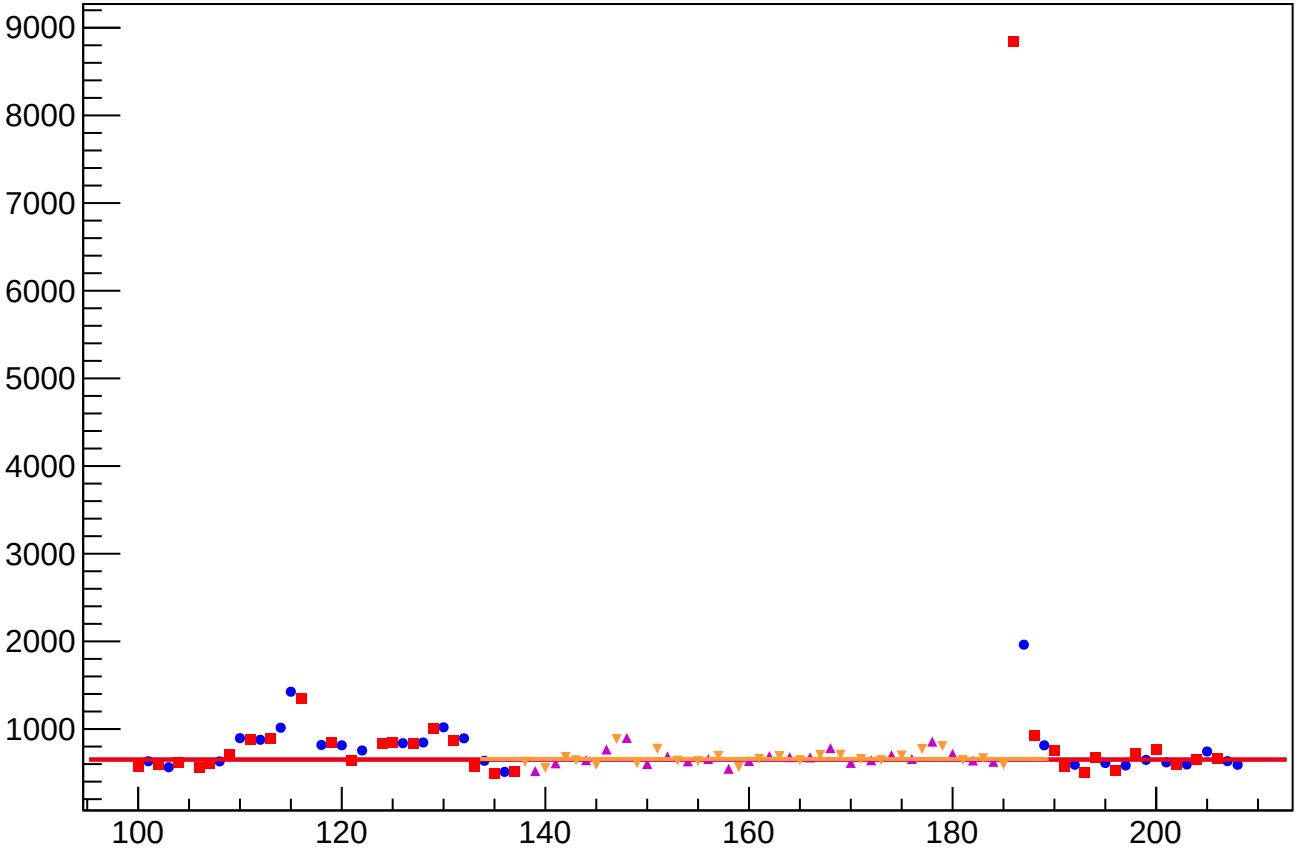
Right: 109.351+/-118.348 χ^2/NDF: 55.3/57

In: -64.213+/-113.650 χ^2/NDF:59.5/49

Out: -101.617+/-111.912 χ^2/NDF:59.1/55

All: -83.203+/-79.741 χ^2/NDF: 118.7/105

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 652.268+/-0.119 χ^2/NDF: 1095923.6/26

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 651.322+/-0.118 χ^2/NDF: 1927542.9/30

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

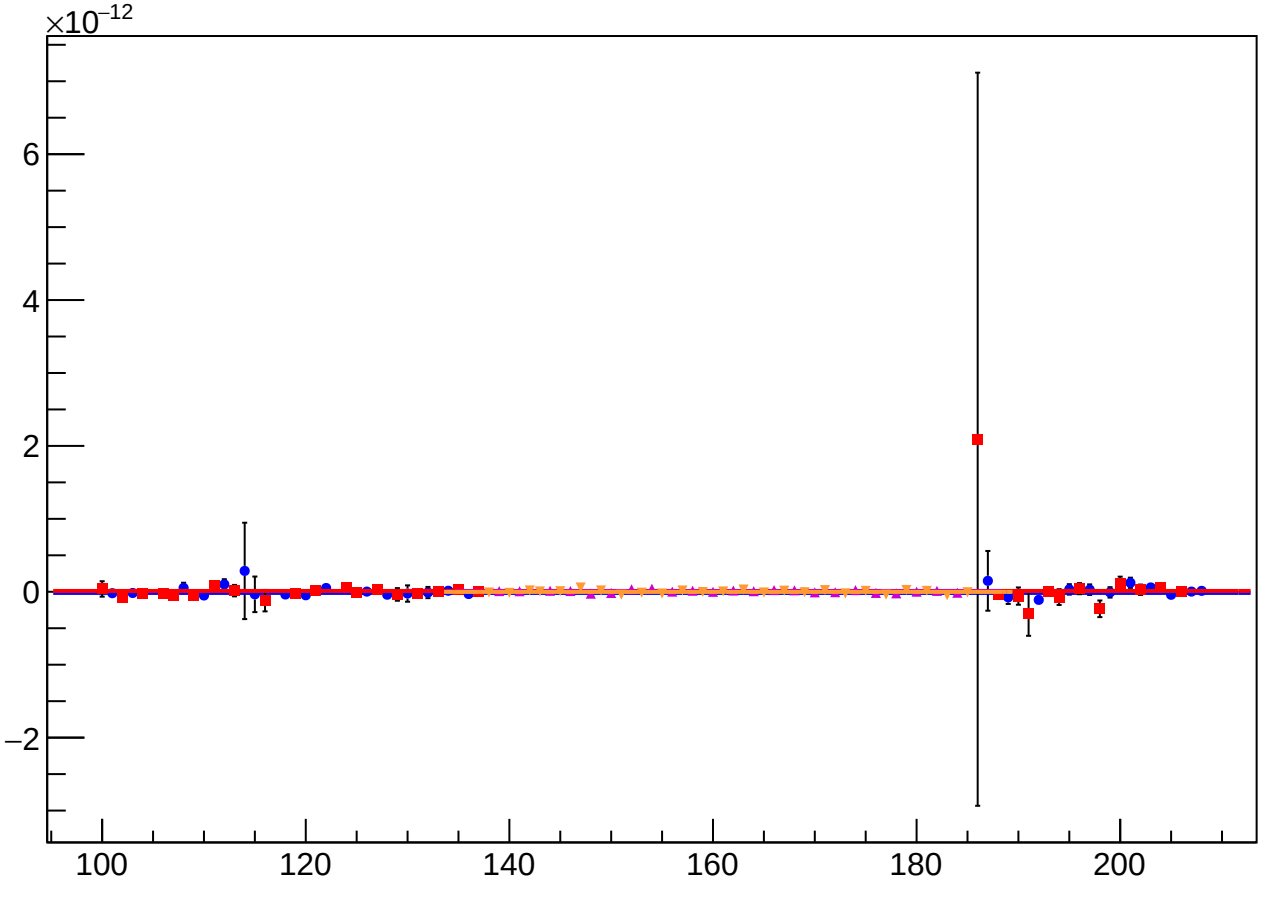
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 651.791+/-0.084 χ^2/NDF: 3023498.4/57

In: 653.180+/-0.080 χ^2/NDF:1638110.5/49

Out: 655.362+/-0.079 χ^2/NDF:2339362.8/55

All: 654.288+/-0.056 χ^2/NDF: 3977847.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/30

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

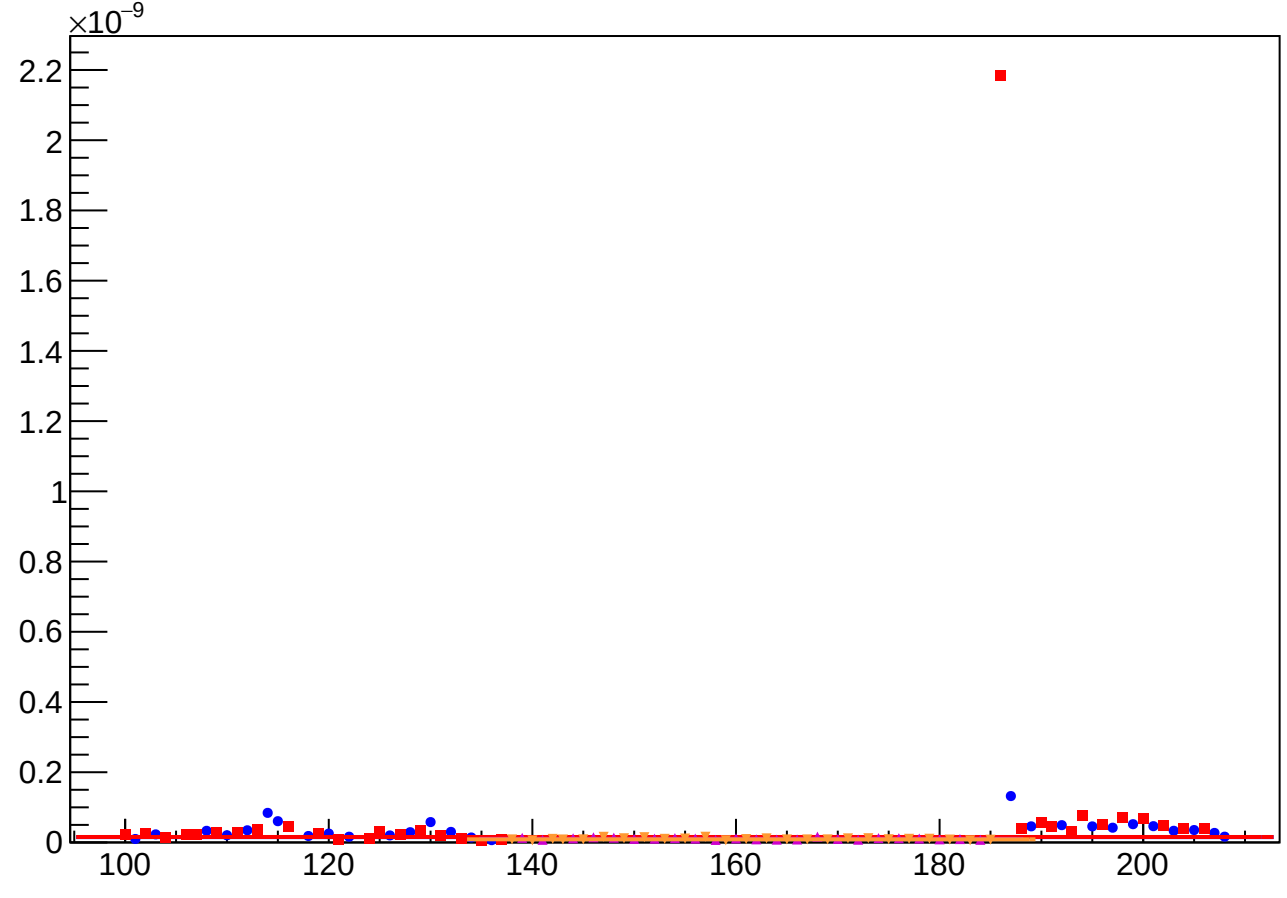
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 54.1/57

In: 0.000+/-0.000 χ^2/NDF:45.0/49

Out: 0.000+/-0.000 χ^2/NDF:60.8/55

All: 0.000+/-0.000 χ^2/NDF: 105.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 5636618.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7075250.6/30

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

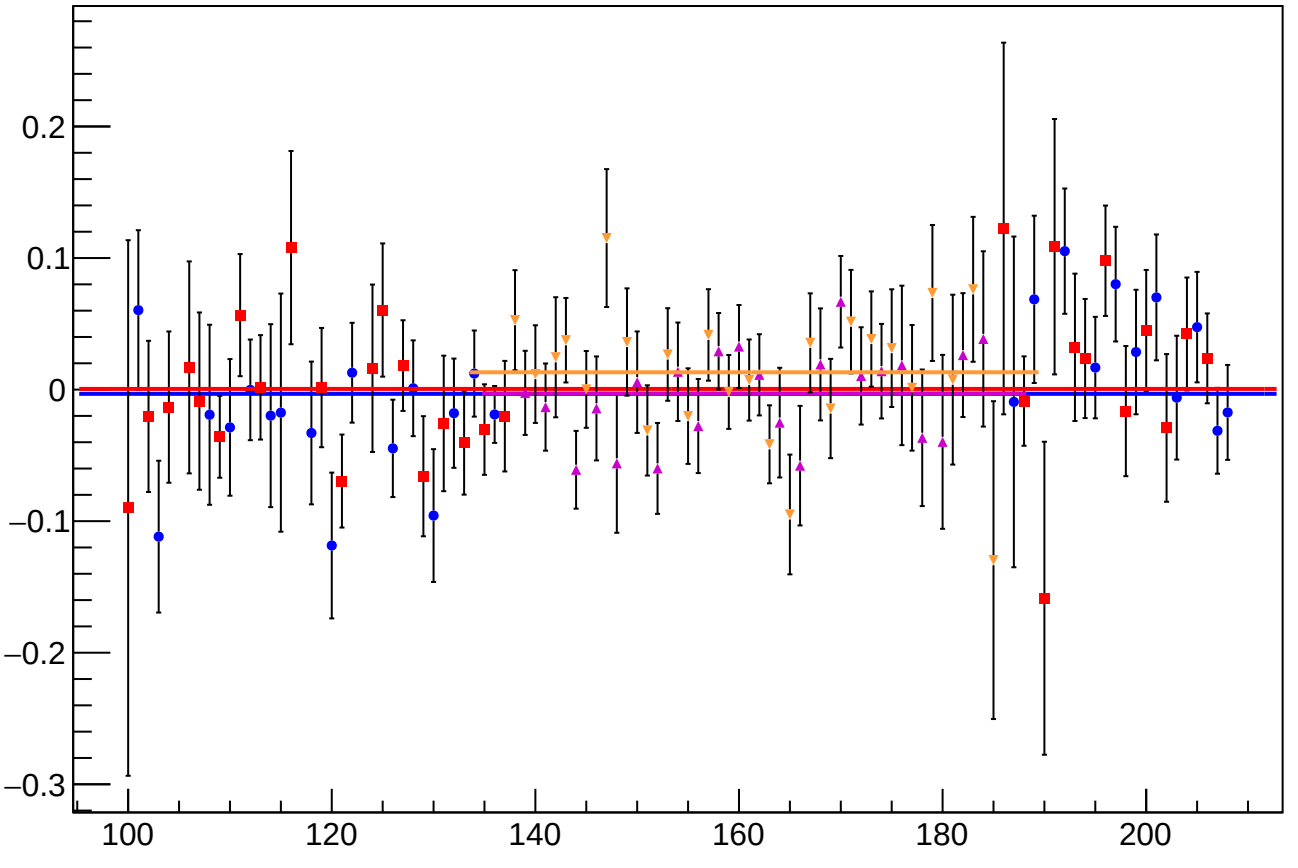
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12714261.6/57

In: 0.000+/-0.000 χ^2/NDF:7071309.8/49

Out: 0.000+/-0.000 χ^2/NDF:9435426.5/55

All: 0.000+/-0.000 χ^2/NDF: 16648557.0/105



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

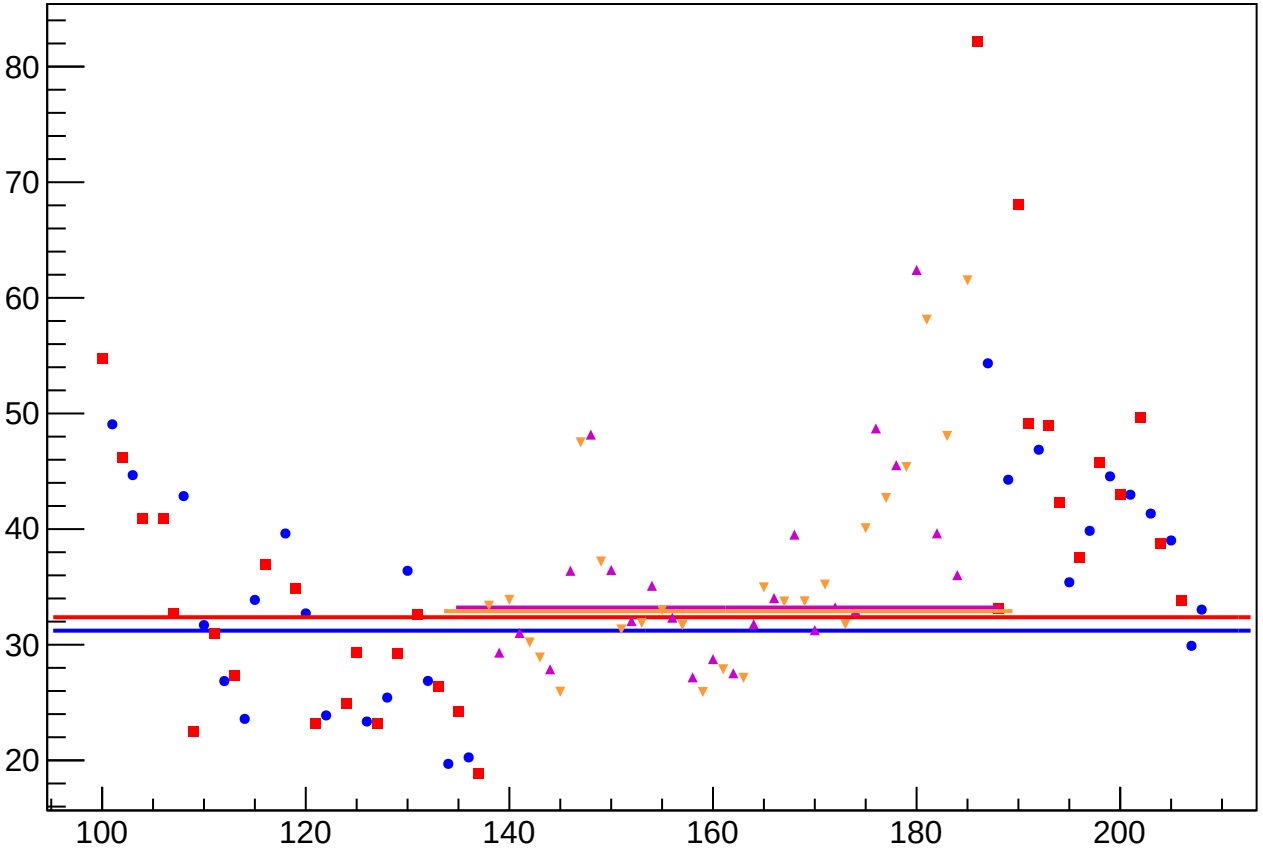
Right: -0.001+/-0.006 χ^2/NDF: 59.1/57

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.5/105

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

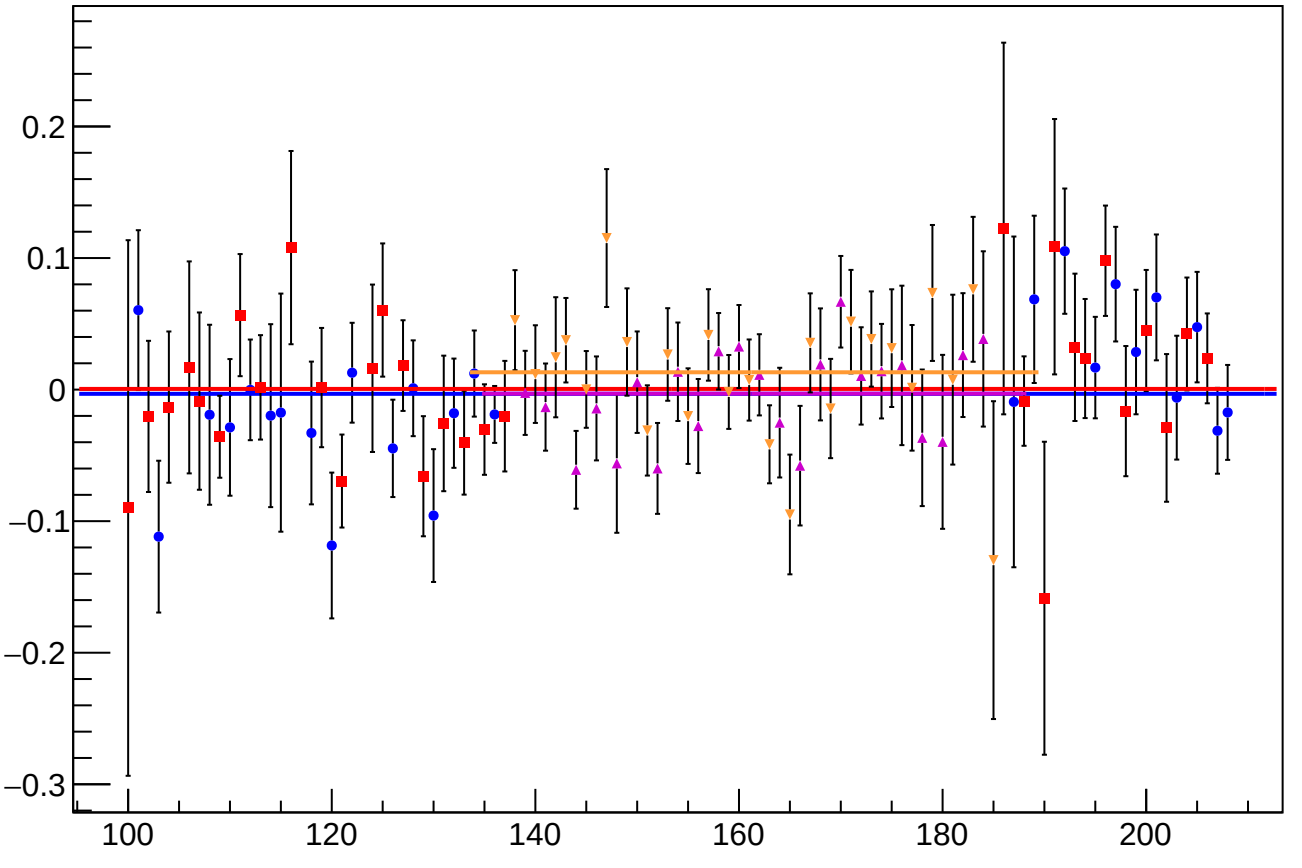
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.787+/-0.004 χ^2/NDF: 4819569.2/57

In: 32.255+/-0.004 χ^2/NDF:3662238.8/49

Out: 32.668+/-0.004 χ^2/NDF:3852320.3/55

All: 32.463+/-0.003 χ^2/NDF: 7519797.7/105



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

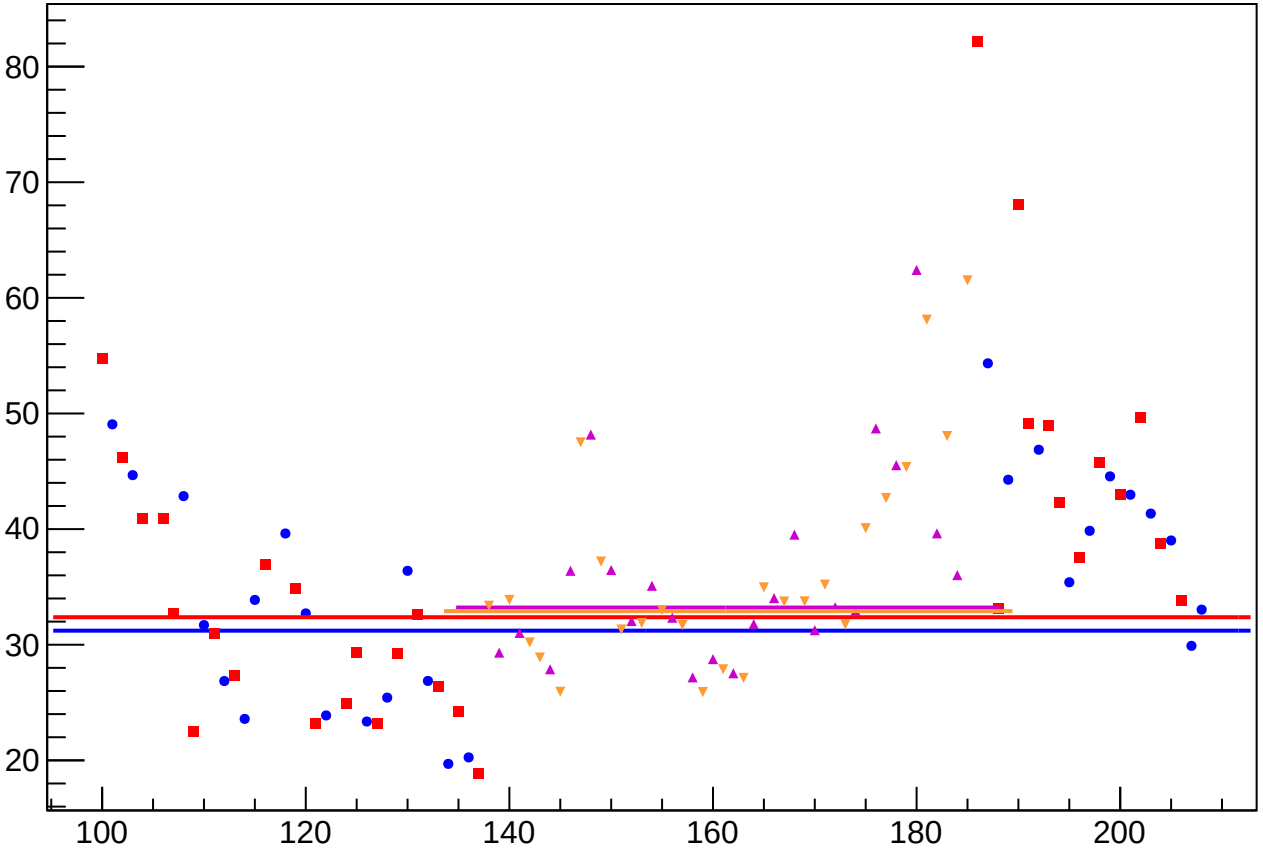
Right: -0.001+/-0.006 χ^2/NDF: 59.1/57

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.5/105

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

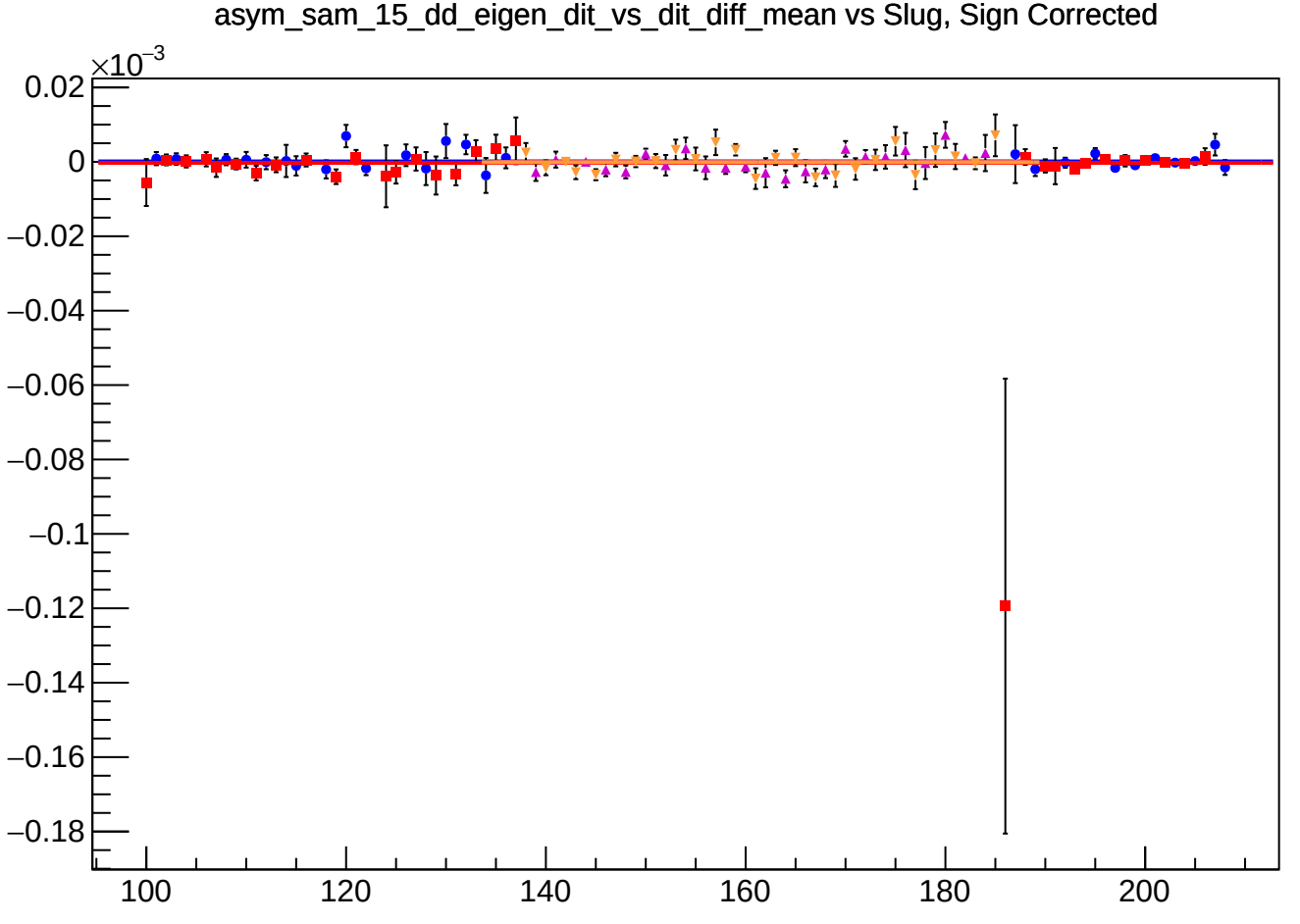
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.787+/-0.004 χ^2/NDF: 4819569.2/57

In: 32.255+/-0.004 χ^2/NDF:3662238.8/49

Out: 32.668+/-0.004 χ^2/NDF:3852320.3/55

All: 32.463+/-0.003 χ^2/NDF: 7519797.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/30

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

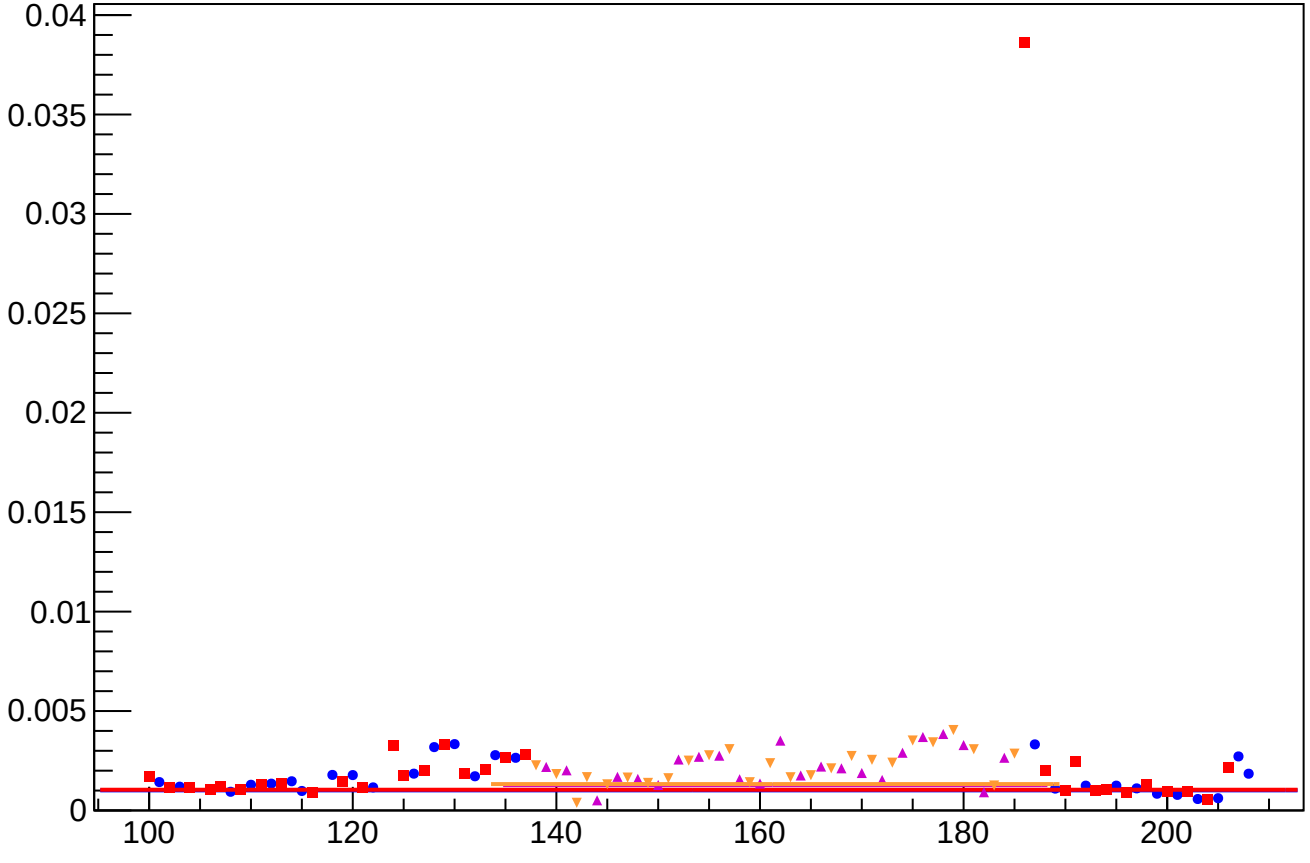
Right: -0.000+/-0.000 χ^2/NDF: 47.0/57

In: 0.000+/-0.000 χ^2/NDF:51.5/49

Out: -0.000+/-0.000 χ^2/NDF:52.9/55

All: -0.000+/-0.000 χ^2/NDF: 105.0/105

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5773760.1/26

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5419234.7/30

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

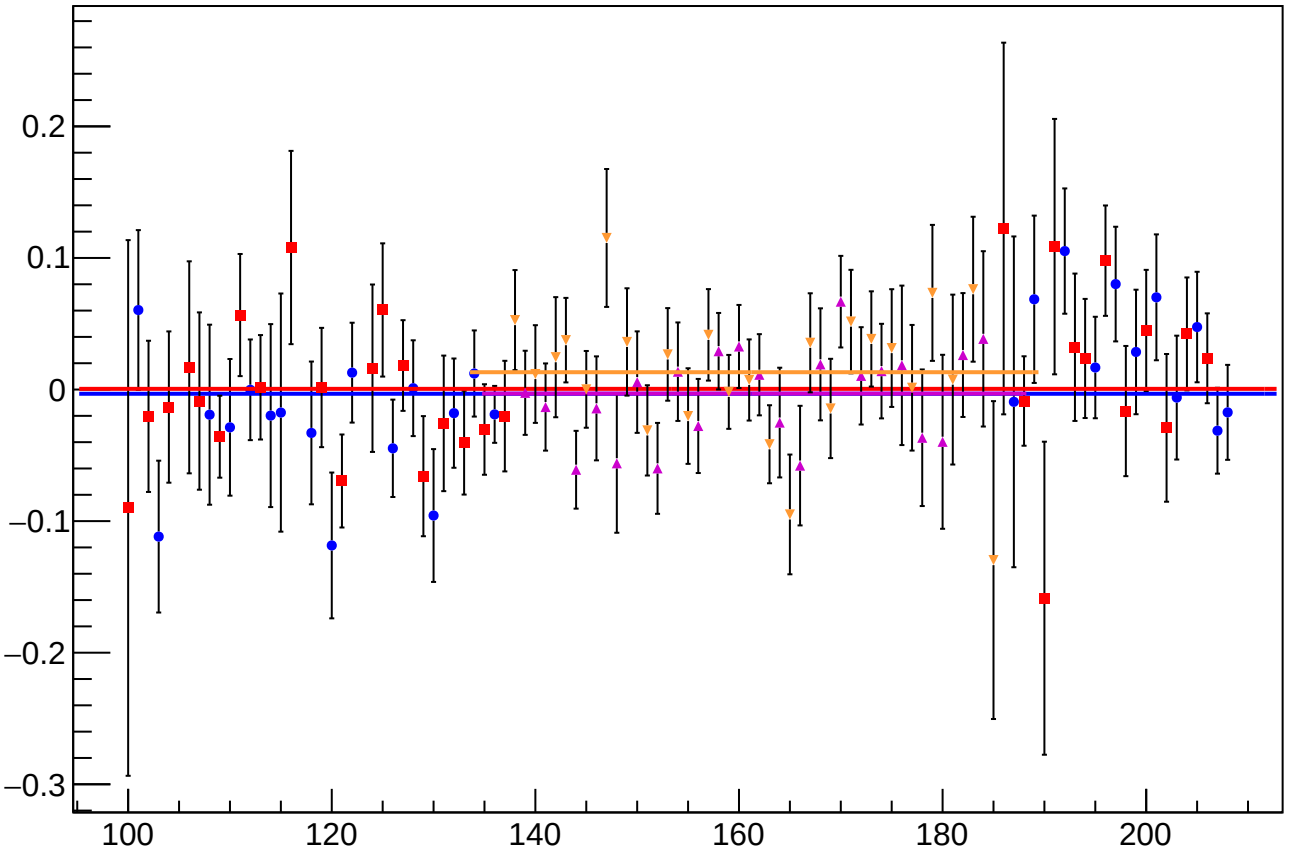
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 11204482.2/57

In: 0.001+/-0.000 χ^2/NDF:16311504.2/49

Out: 0.001+/-0.000 χ^2/NDF:17321360.1/55

All: 0.001+/-0.000 χ^2/NDF: 33655819.2/105



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

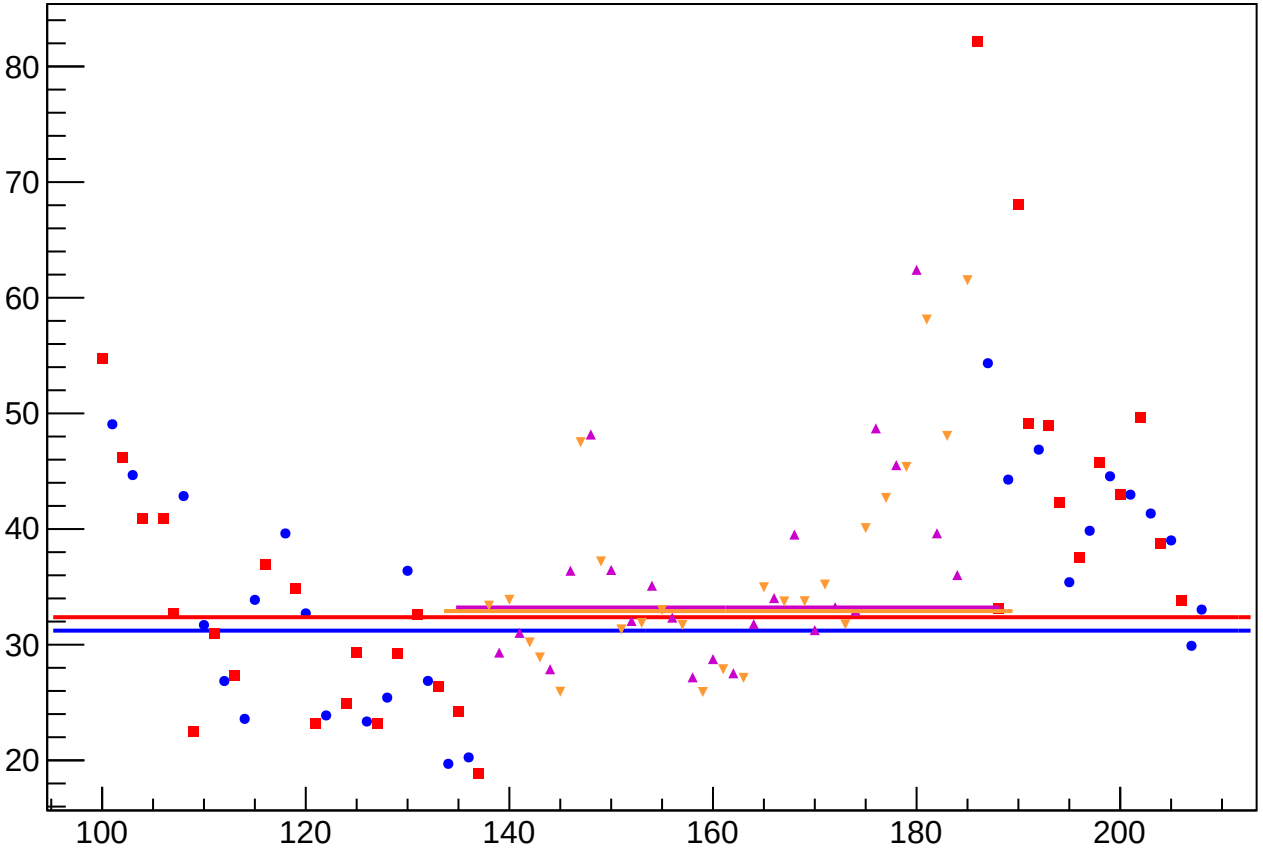
Right: -0.001+/-0.006 χ^2/NDF: 59.1/57

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.5/105

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

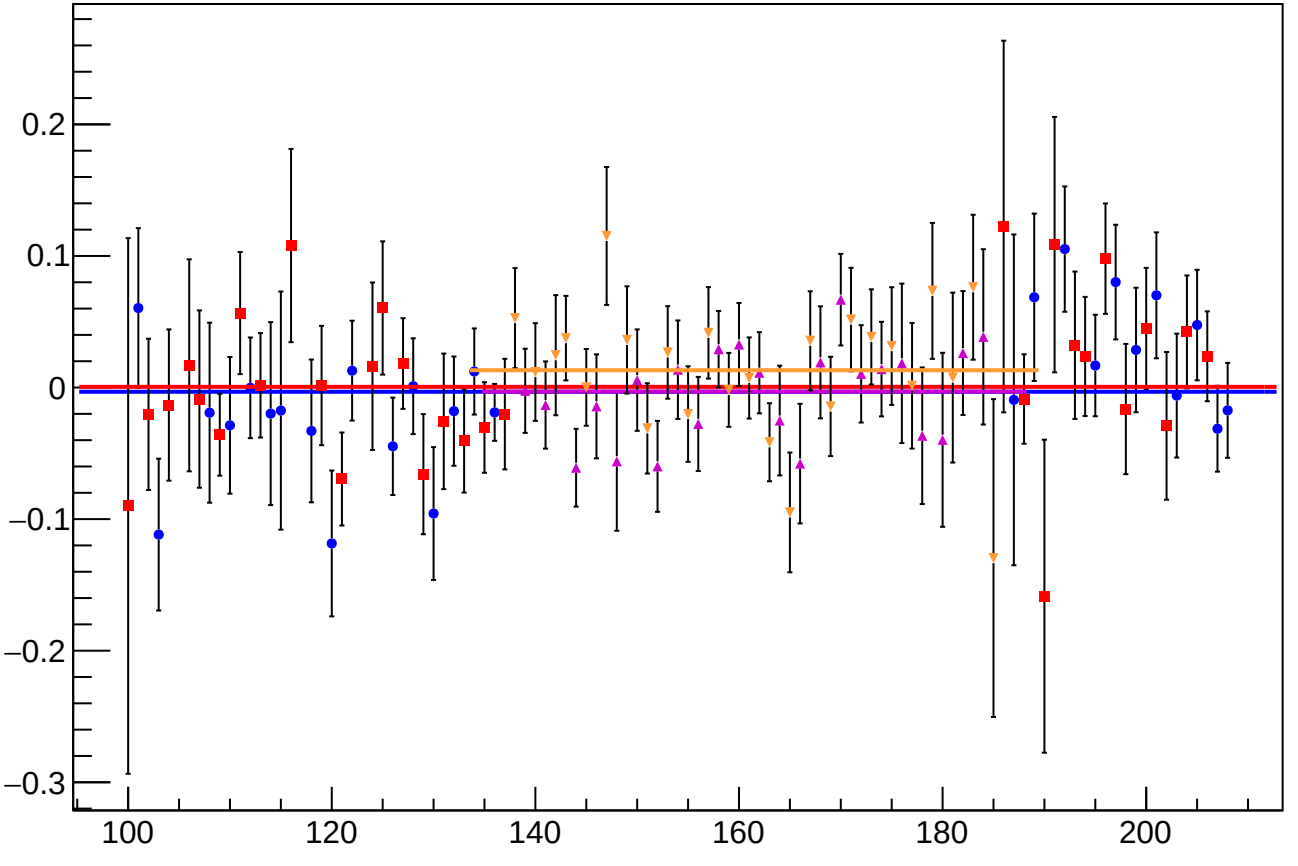
Right: 31.786+/-0.004 χ^2/NDF: 4820086.7/57

In: 32.254+/-0.004 χ^2/NDF:3662565.0/49

Out: 32.667+/-0.004 χ^2/NDF:3852731.2/55

All: 32.463+/-0.003 χ^2/NDF: 7520531.9/105

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

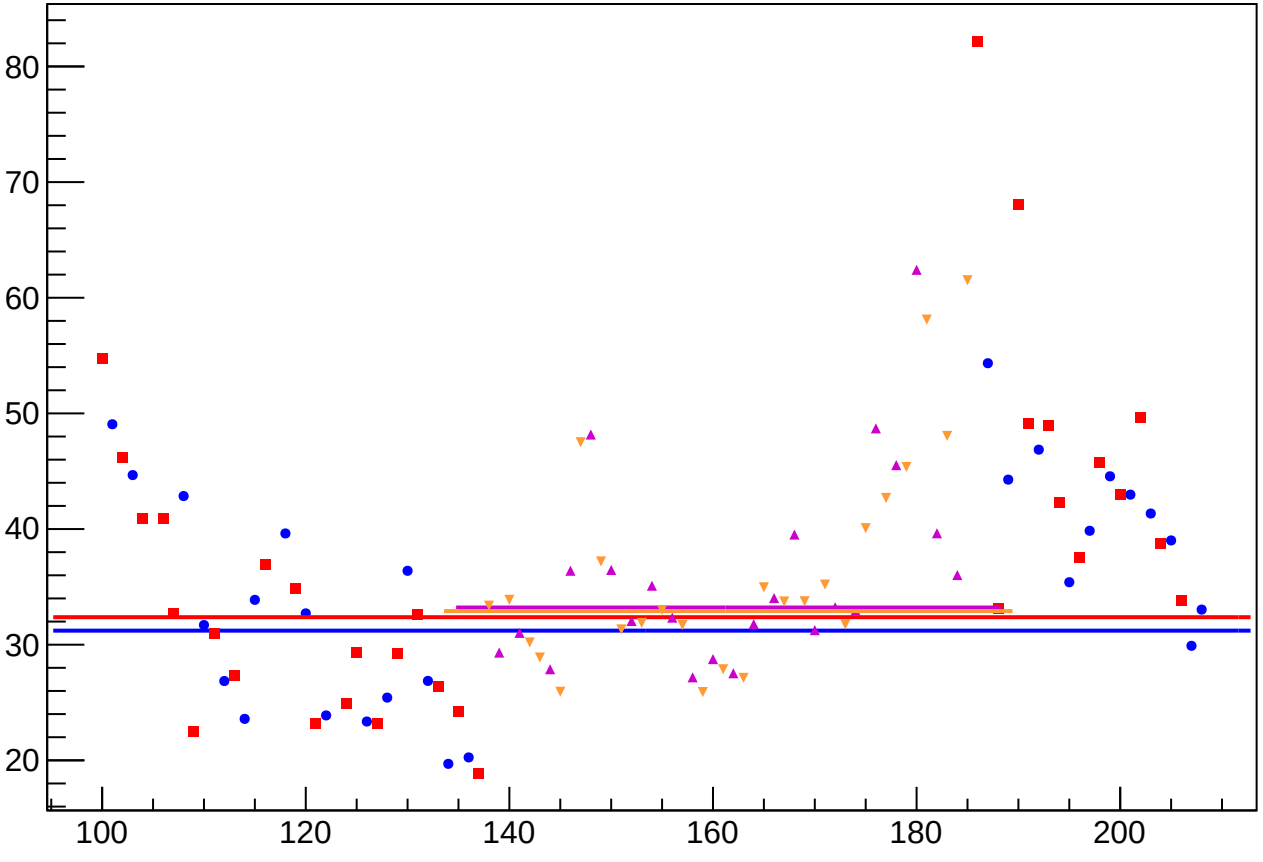
Right: -0.001+/-0.006 χ^2/NDF: 59.1/57

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.5/105

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

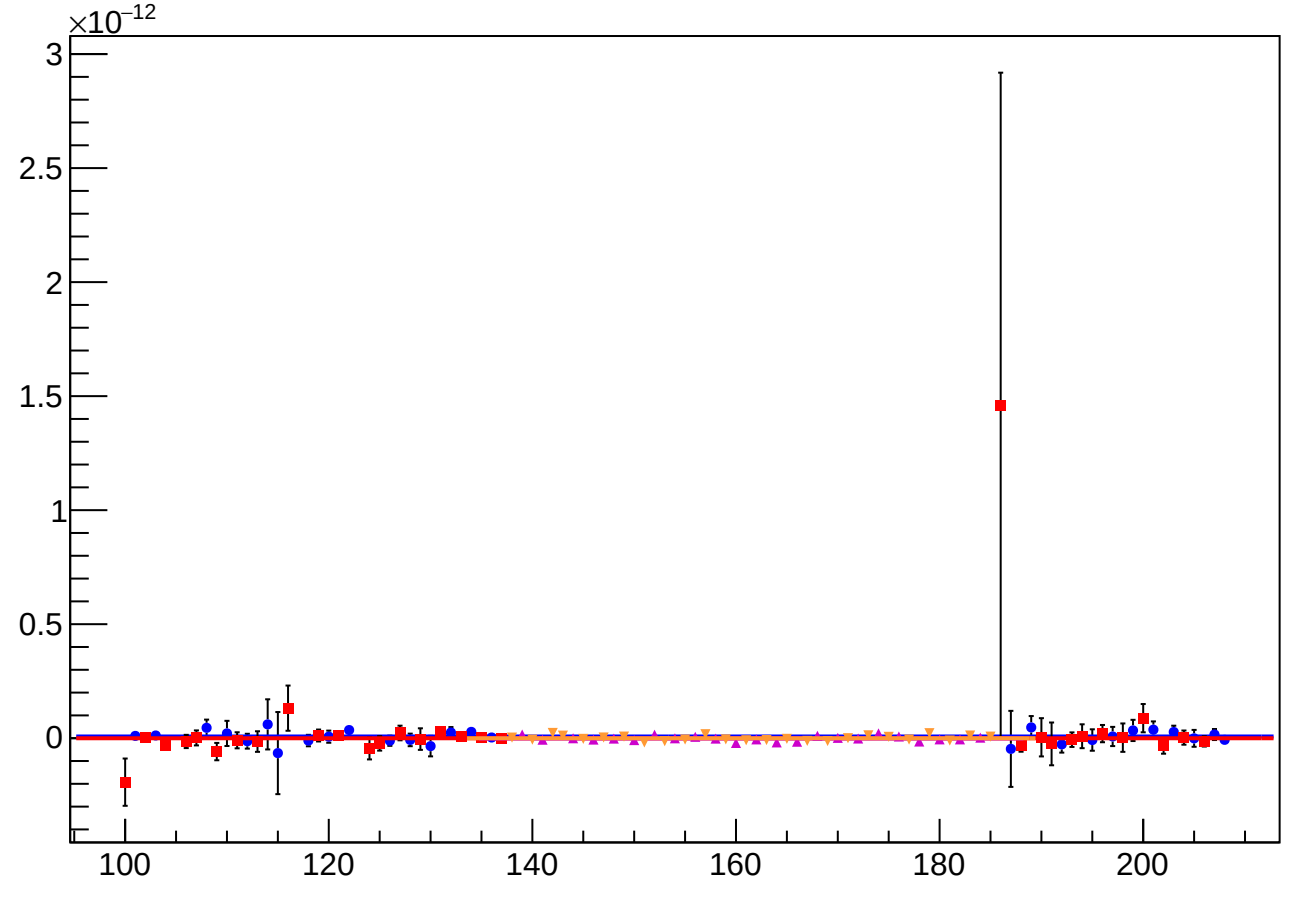
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.786+/-0.004 χ^2/NDF: 4820086.7/57

In: 32.254+/-0.004 χ^2/NDF:3662565.0/49

Out: 32.667+/-0.004 χ^2/NDF:3852731.2/55

All: 32.463+/-0.003 χ^2/NDF: 7520531.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/30

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

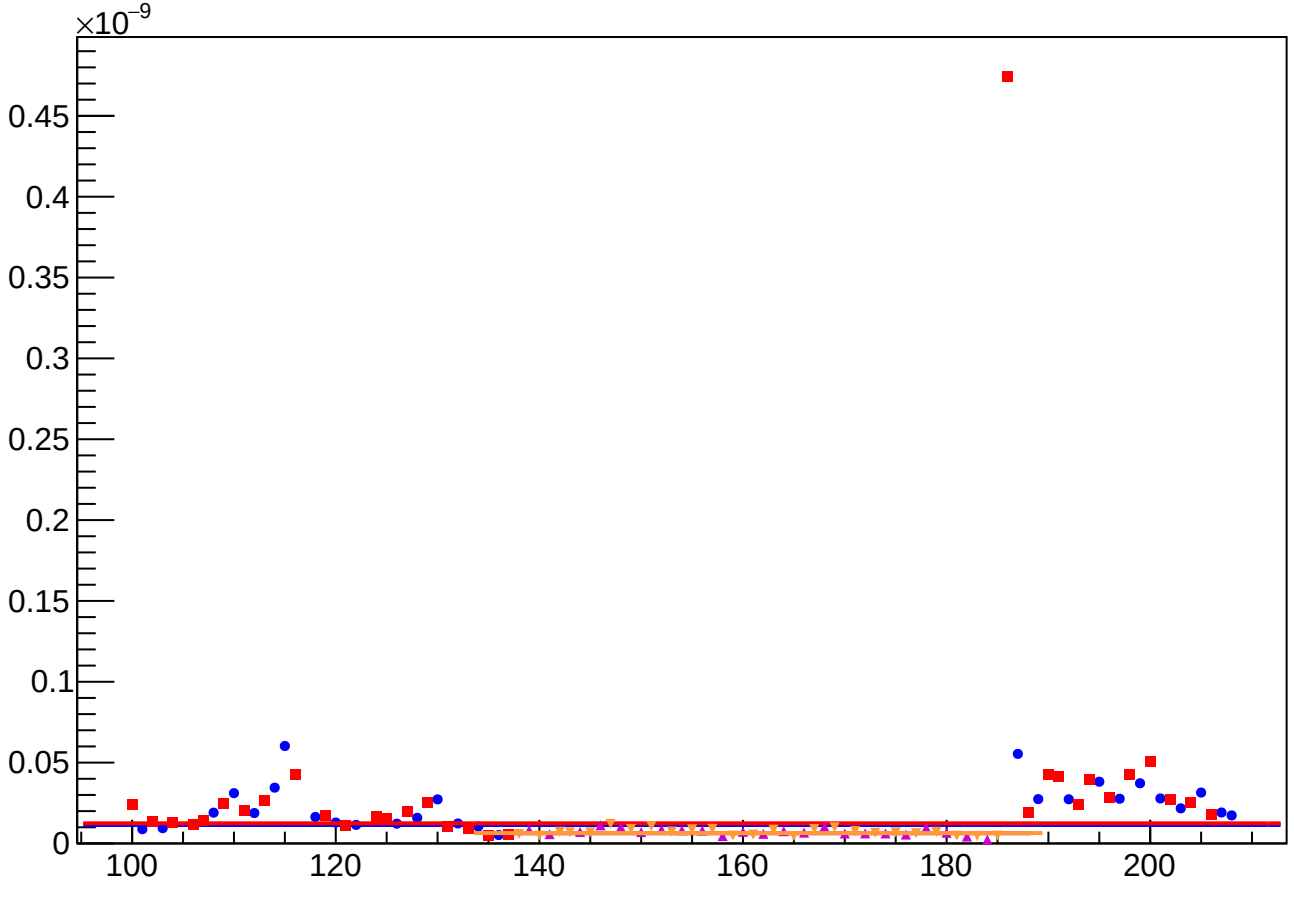
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 35.5/57

In: 0.000+/-0.000 χ^2/NDF:41.2/49

Out: -0.000+/-0.000 χ^2/NDF:52.7/55

All: -0.000+/-0.000 χ^2/NDF: 93.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 6927311.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7164051.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

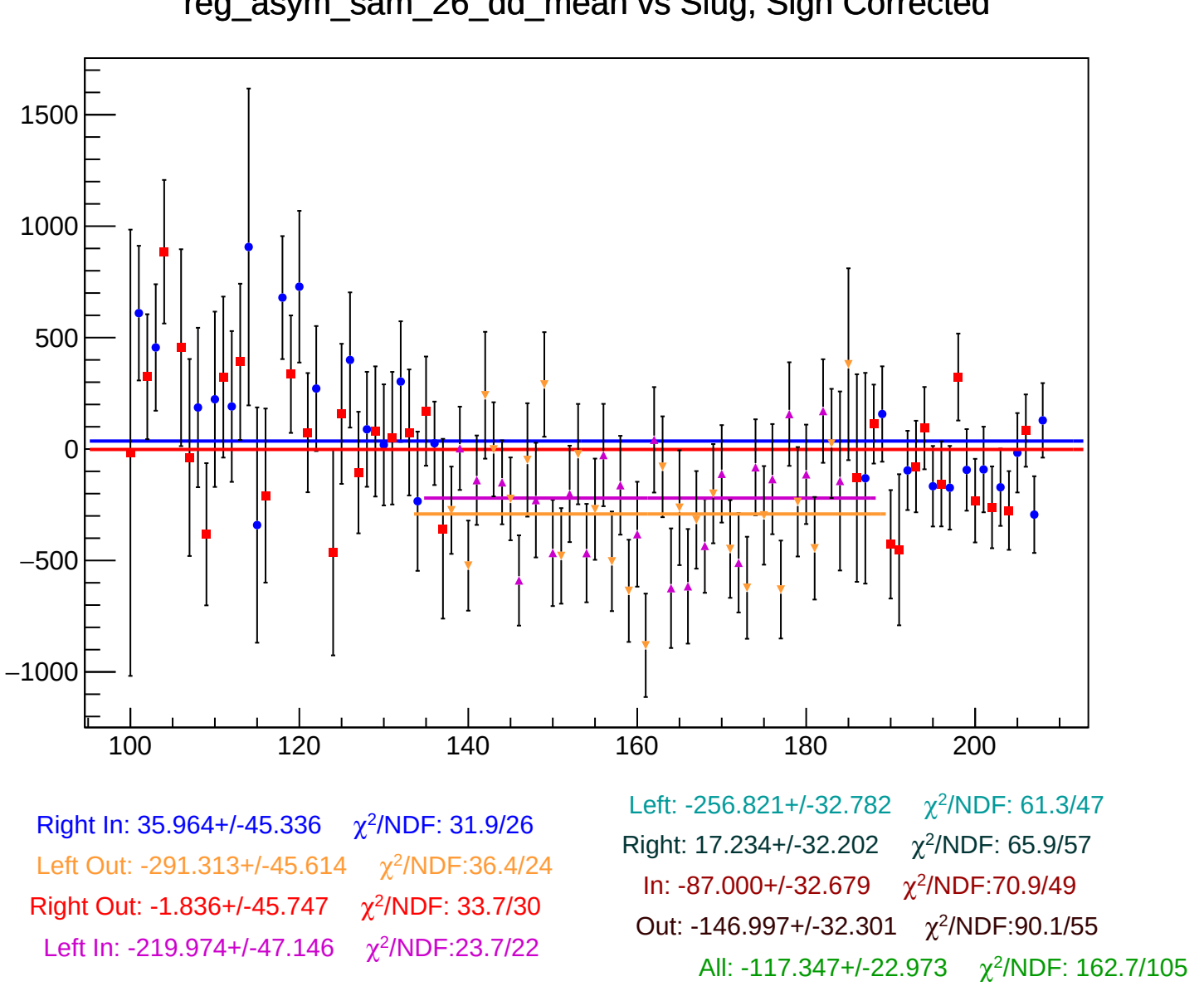
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14145542.6/57

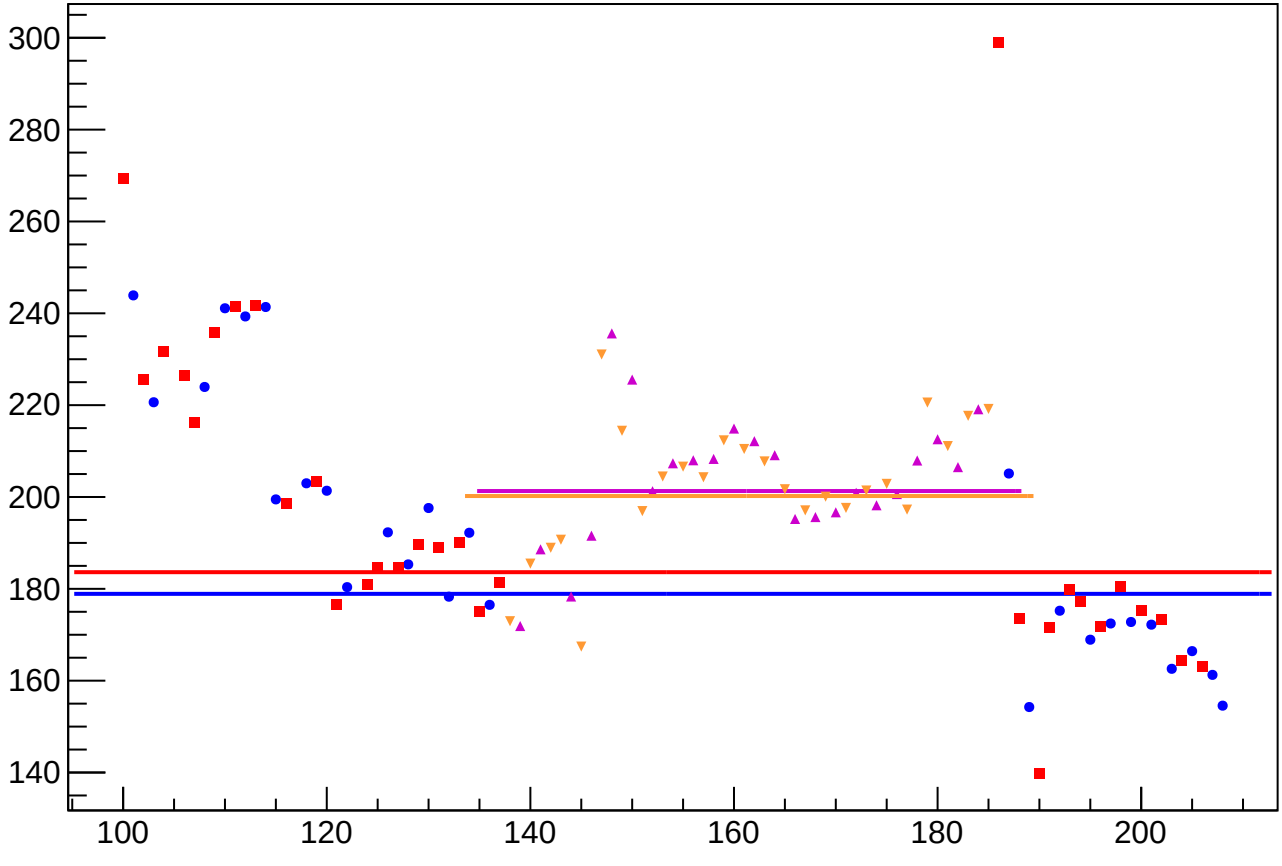
In: 0.000+/-0.000 χ^2/NDF:11564684.3/49

Out: 0.000+/-0.000 χ^2/NDF:12119439.1/55

All: 0.000+/-0.000 χ^2/NDF: 23686574.3/105


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 35.964+/-45.336 χ²/NDF: 31.9/26
Left Out: -291.313+/-45.614 χ²/NDF:36.4/24
Right Out: -1.836+/-45.747 χ²/NDF: 33.7/30
Left In: -219.974+/-47.146 χ²/NDF:23.7/22
Left: -256.821+/-32.782 χ²/NDF: 61.3/47
Right: 17.234+/-32.202 χ²/NDF: 65.9/57
In: -87.000+/-32.679 χ²/NDF:70.9/49
Out: -146.997+/-32.301 χ²/NDF:90.1/55
All: -117.347+/-22.973 χ²/NDF: 162.7/105

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.032 χ^2/NDF: 480017.7/26

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 183.627+/-0.032 χ^2/NDF: 588287.1/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

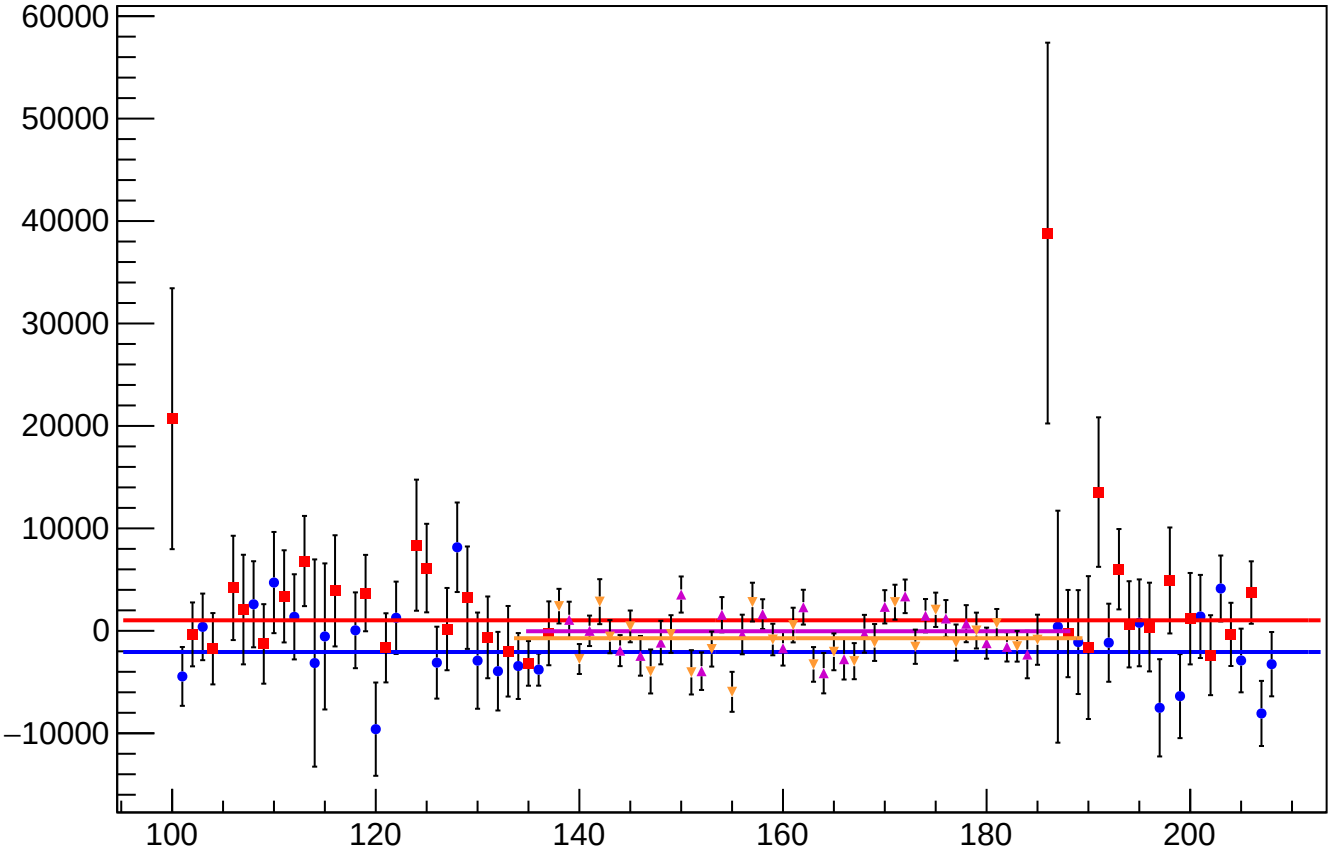
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 181.246+/-0.023 χ^2/NDF: 1079040.9/57

In: 189.665+/-0.023 χ^2/NDF:896017.8/49

Out: 191.942+/-0.023 χ^2/NDF:924469.1/55

All: 190.817+/-0.016 χ^2/NDF: 1825401.9/105



Right In: -2066.456+/-691.476 χ^2/NDF: 27.5/26

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1027.182+/-730.949 χ^2/NDF: 26.2/30

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

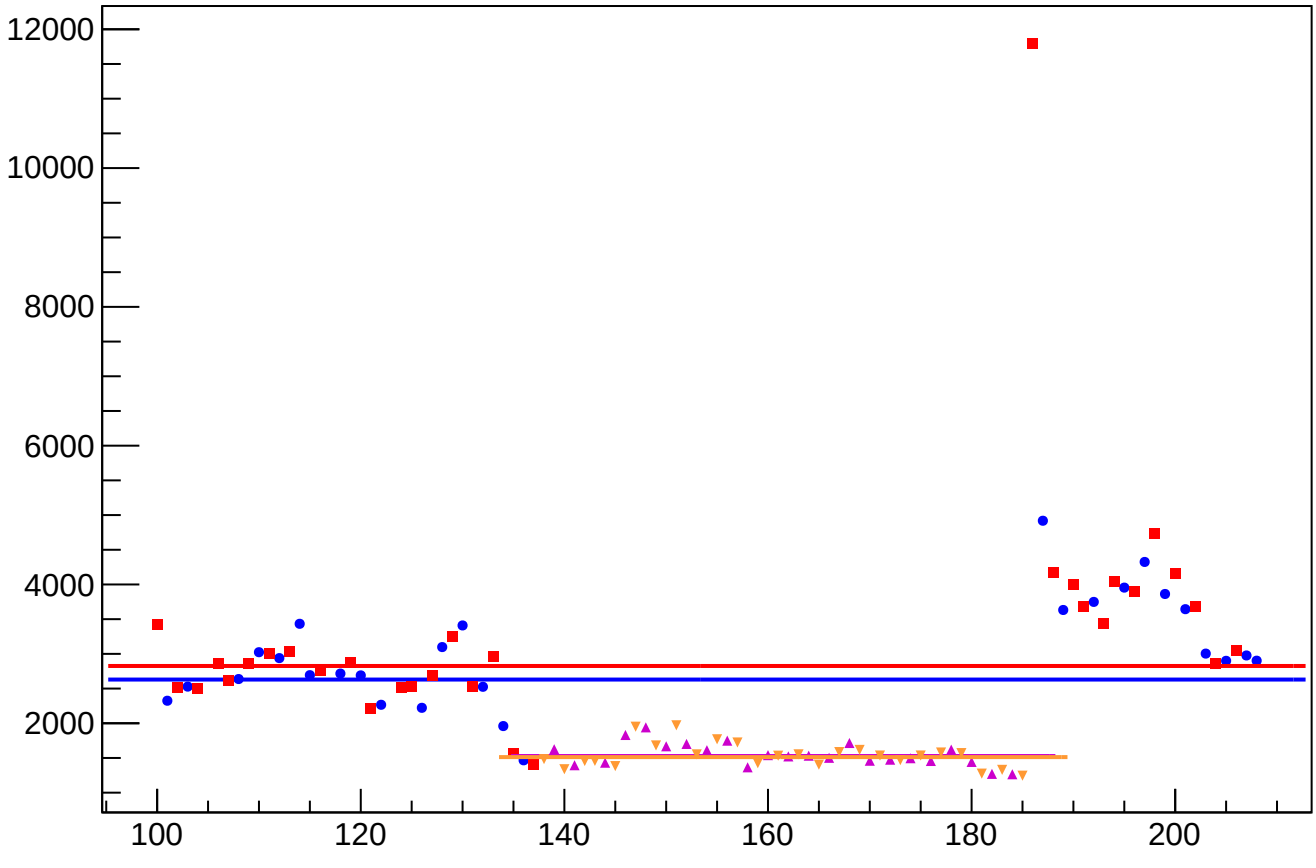
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -605.422+/-502.323 χ^2/NDF: 63.1/57

In: -470.183+/-318.803 χ^2/NDF:68.7/49

Out: -400.181+/-313.010 χ^2/NDF:69.1/55

All: -434.540+/-223.352 χ^2/NDF: 137.8/105



Right In: 2629.850+/-0.489 χ^2/NDF: 2553923.8/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2825.501+/-0.517 χ^2/NDF: 2901576.3/30

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

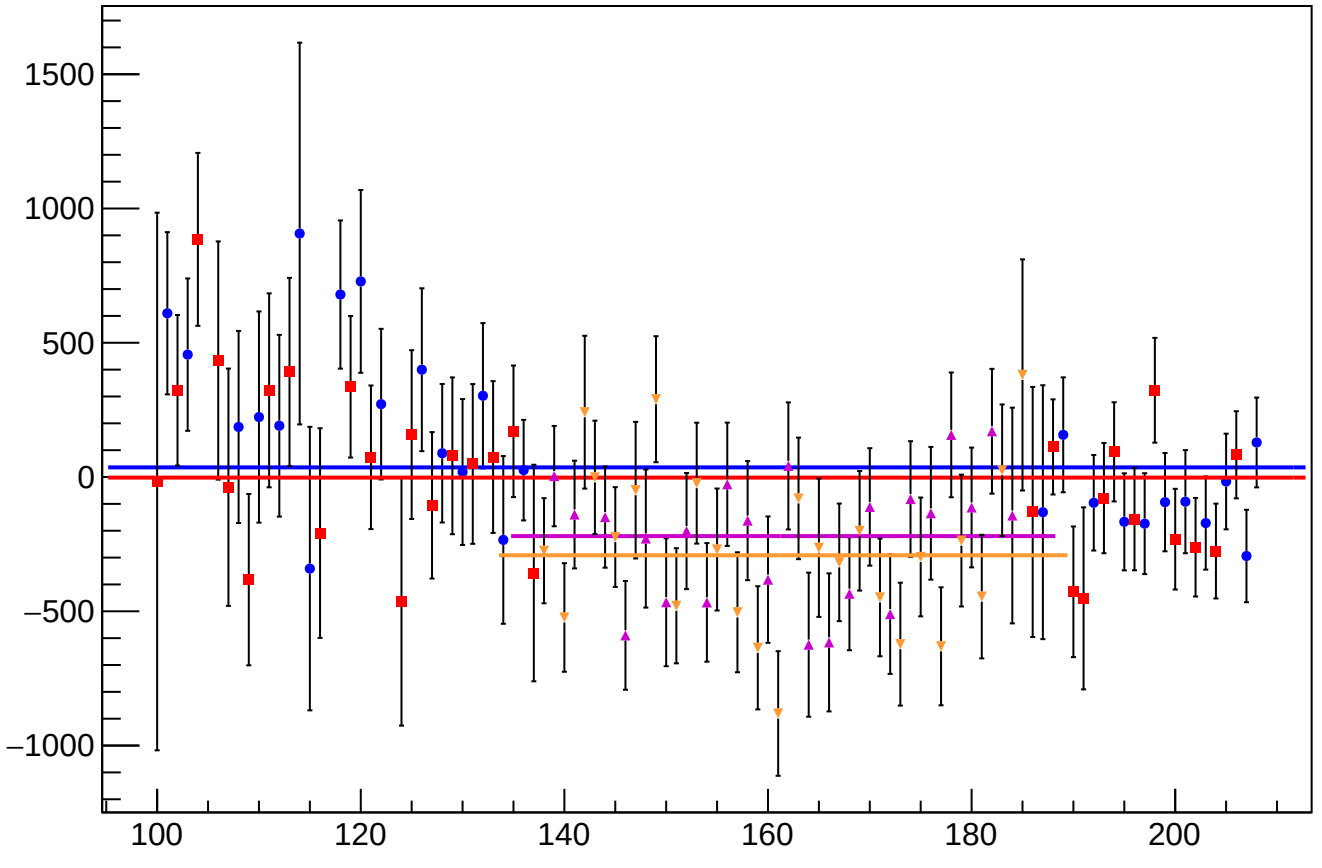
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2722.250+/-0.355 χ^2/NDF: 5531118.7/57

In: 1762.186+/-0.225 χ^2/NDF:6926885.6/49

Out: 1753.162+/-0.221 χ^2/NDF:8615180.4/55

All: 1757.591+/-0.158 χ^2/NDF: 15542881.8/1



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -2.149+/-45.750 χ^2/NDF: 33.6/30

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

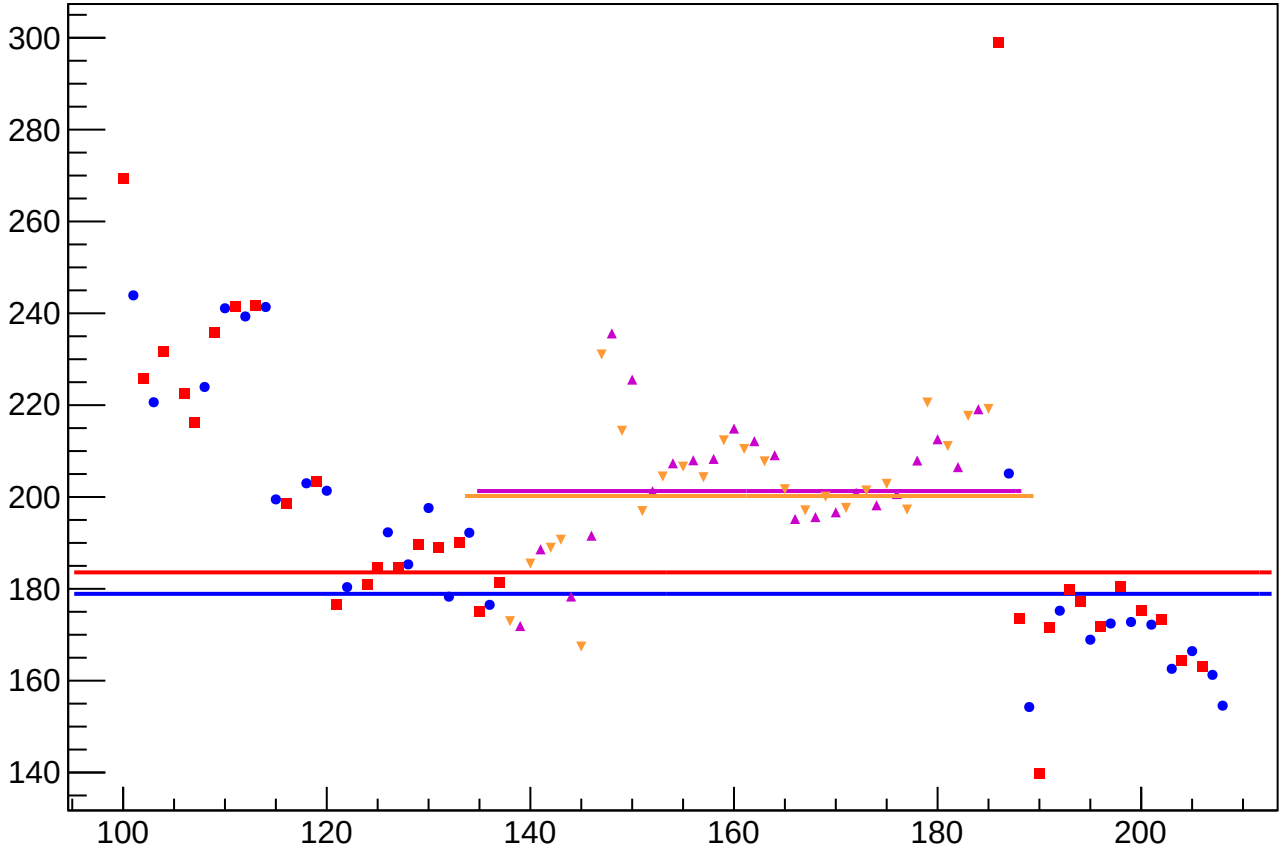
Right: 17.075+/-32.203 χ^2/NDF: 65.8/57

In: -87.009+/-32.679 χ^2/NDF:70.9/49

Out: -147.162+/-32.302 χ^2/NDF:90.0/55

All: -117.434+/-22.973 χ^2/NDF: 162.6/105

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

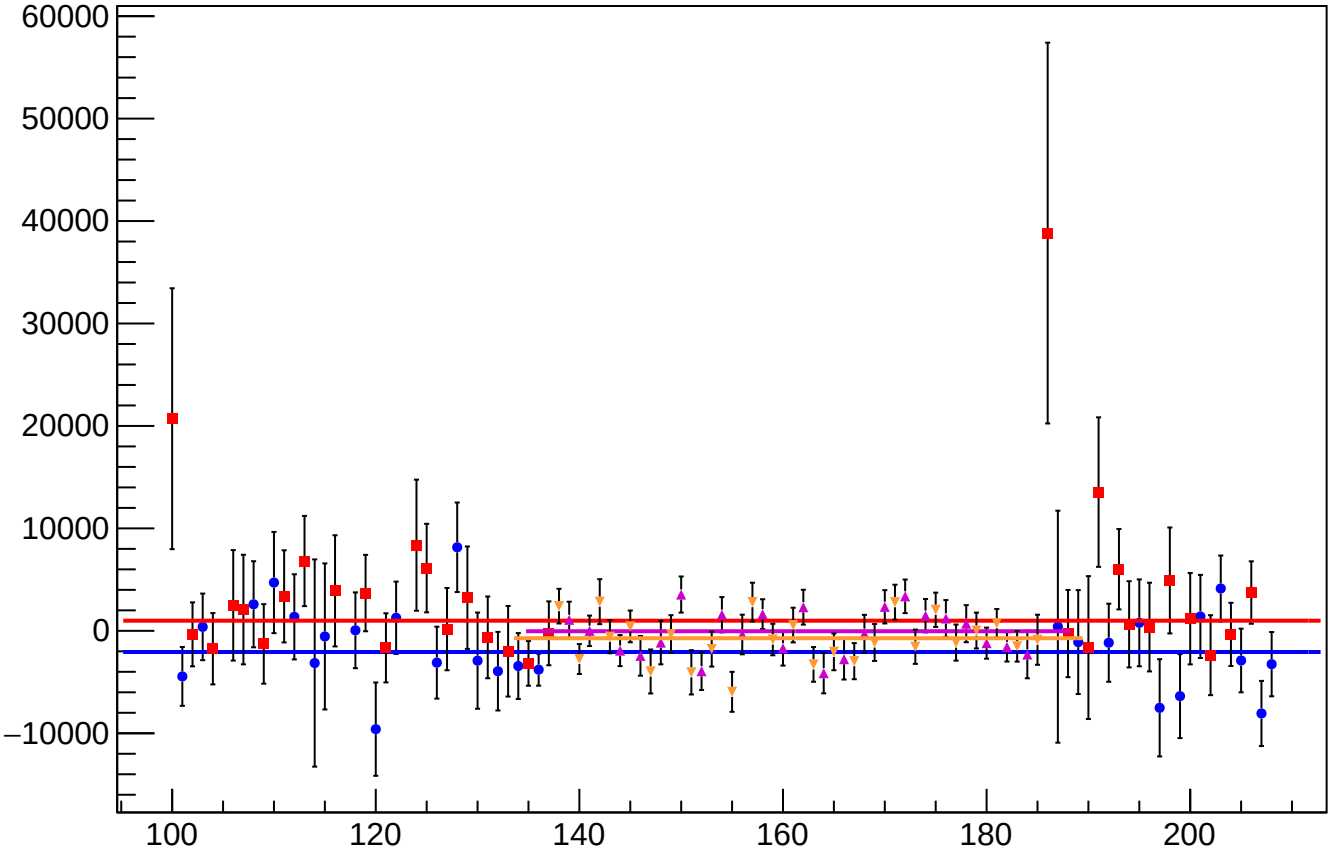
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 181.224+/-0.023 χ^2/NDF: 1075527.5/57

In: 189.665+/-0.023 χ^2/NDF:896018.3/49

Out: 191.921+/-0.023 χ^2/NDF:921859.3/55

All: 190.806+/-0.016 χ^2/NDF: 1822698.9/105



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 988.956+/-731.785 χ^2/NDF: 25.9/30

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

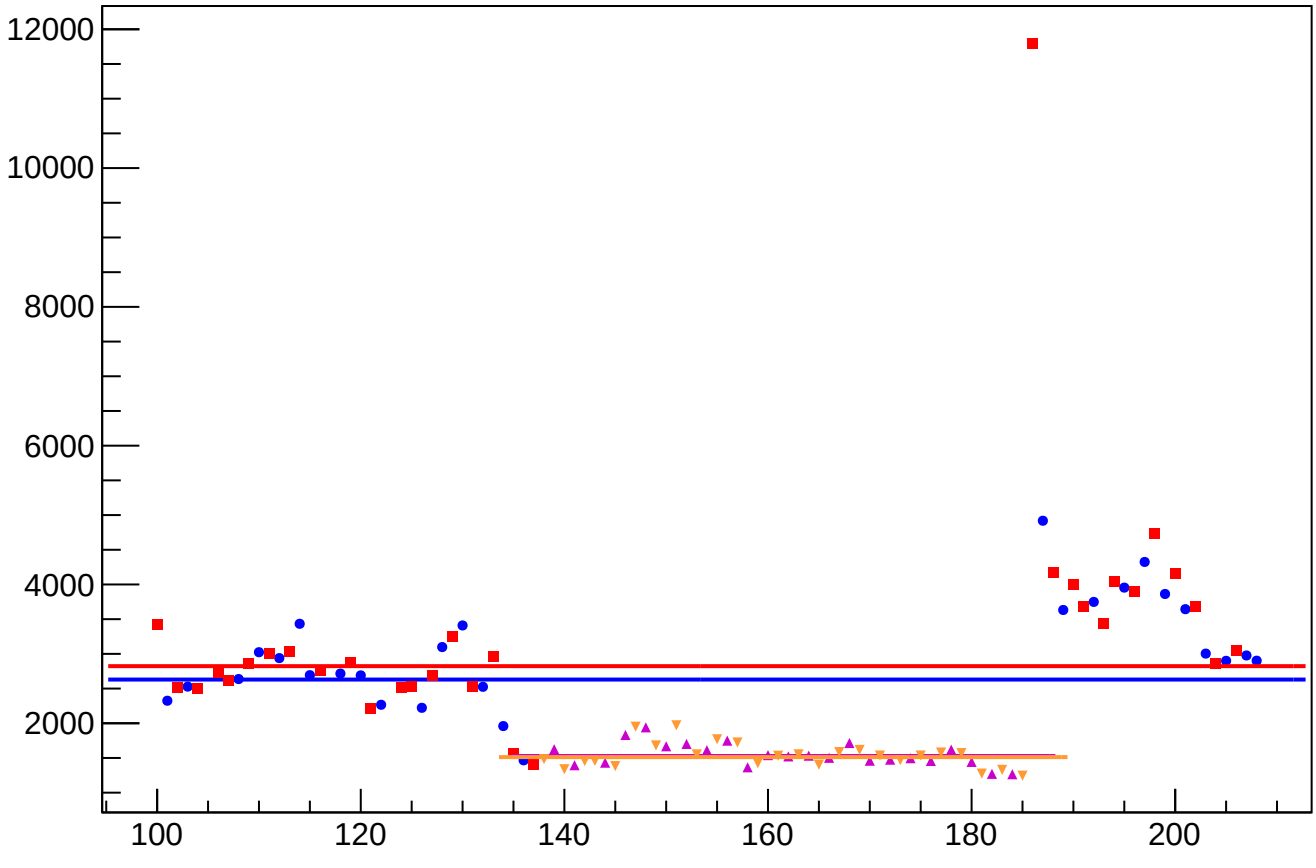
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -625.204+/-502.594 χ^2/NDF: 62.6/57

In: -470.178+/-318.803 χ^2/NDF:68.7/49

Out: -407.778+/-313.076 χ^2/NDF:68.6/55

All: -438.412+/-223.375 χ^2/NDF: 137.3/105



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

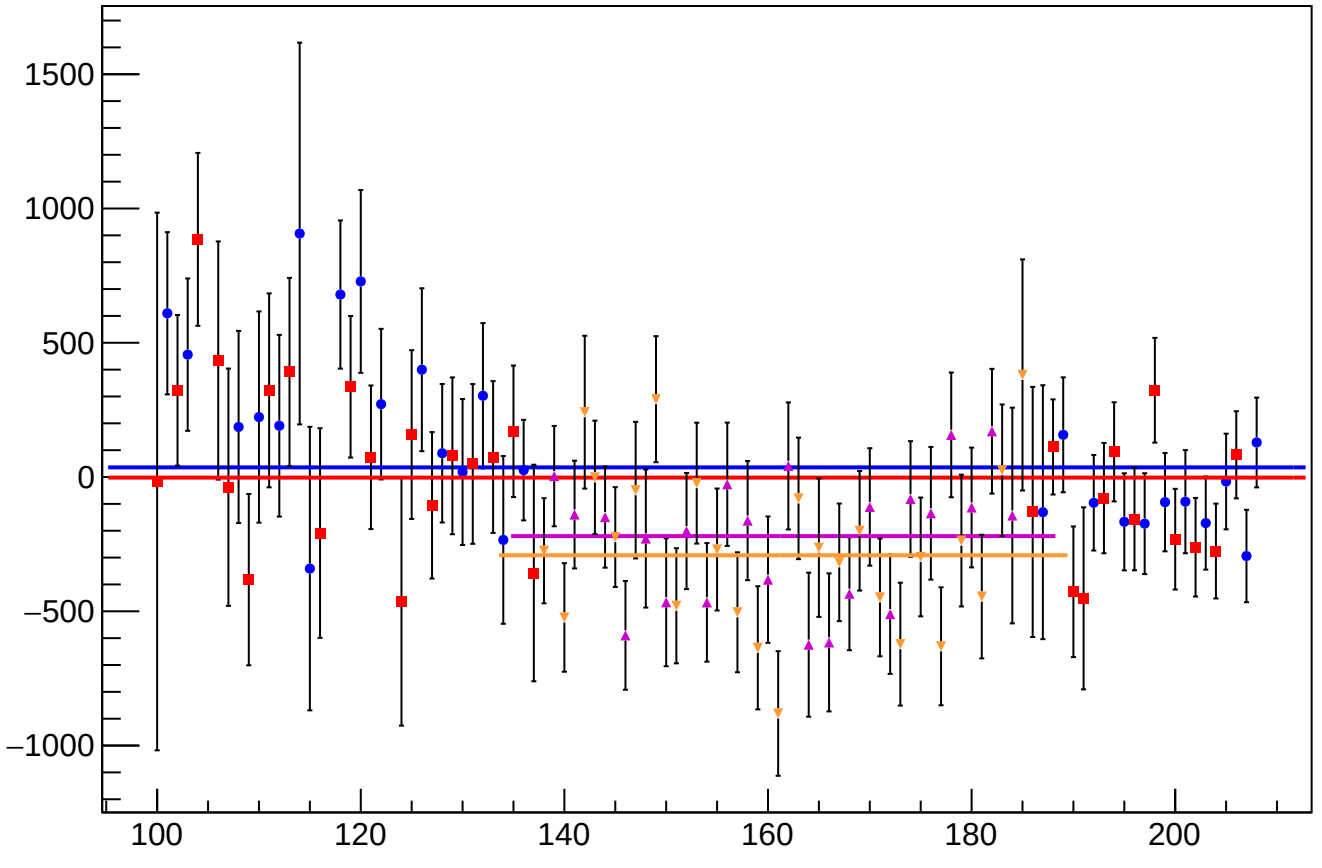
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2720.943+/-0.355 χ^2/NDF: 5529399.0/57

In: 1762.186+/-0.225 χ^2/NDF:6926896.2/49

Out: 1752.249+/-0.221 χ^2/NDF:8585360.9/55

All: 1757.128+/-0.158 χ^2/NDF: 15513246.3/1



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -2.149+/-45.750 χ^2/NDF: 33.6/30

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

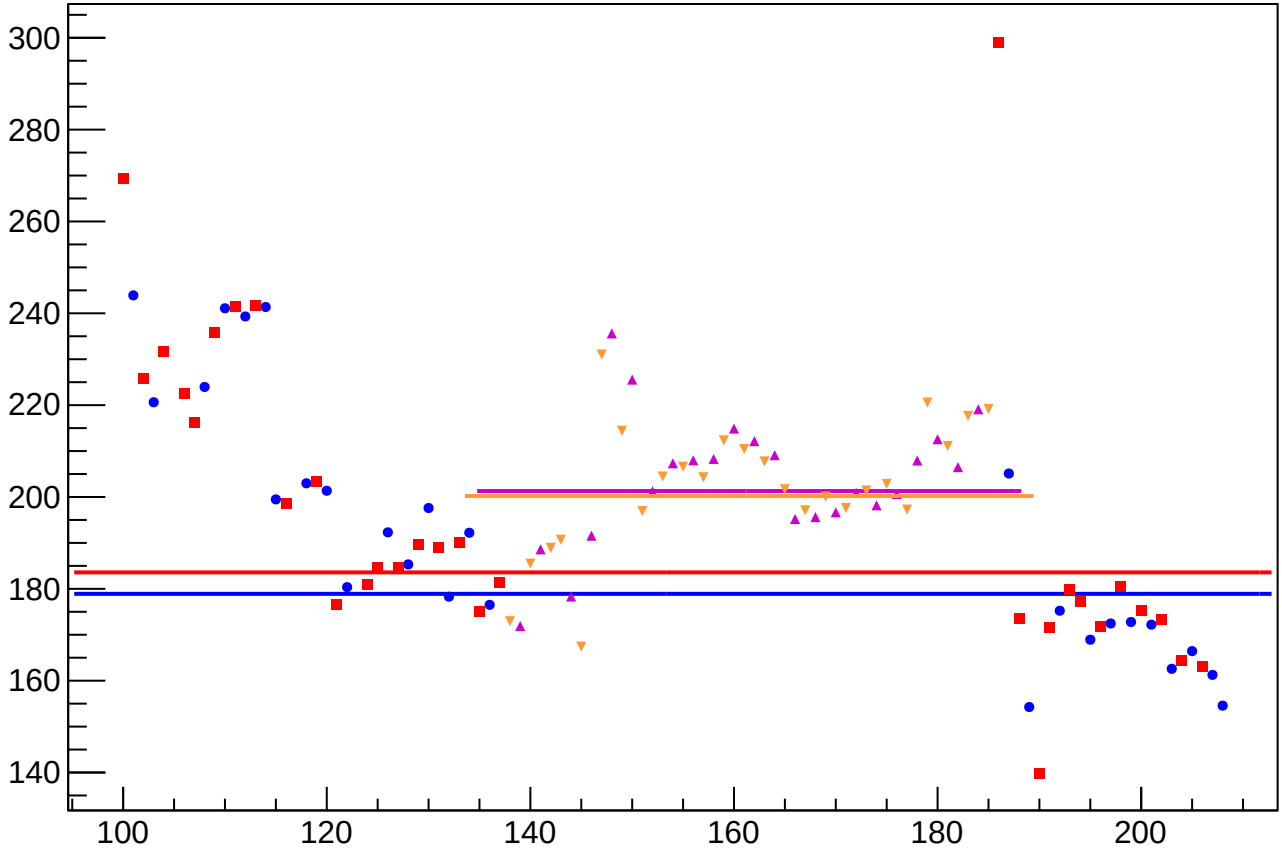
Right: 17.075+/-32.203 χ^2/NDF: 65.8/57

In: -87.009+/-32.679 χ^2/NDF:70.9/49

Out: -147.162+/-32.302 χ^2/NDF:90.0/55

All: -117.434+/-22.973 χ^2/NDF: 162.6/105

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

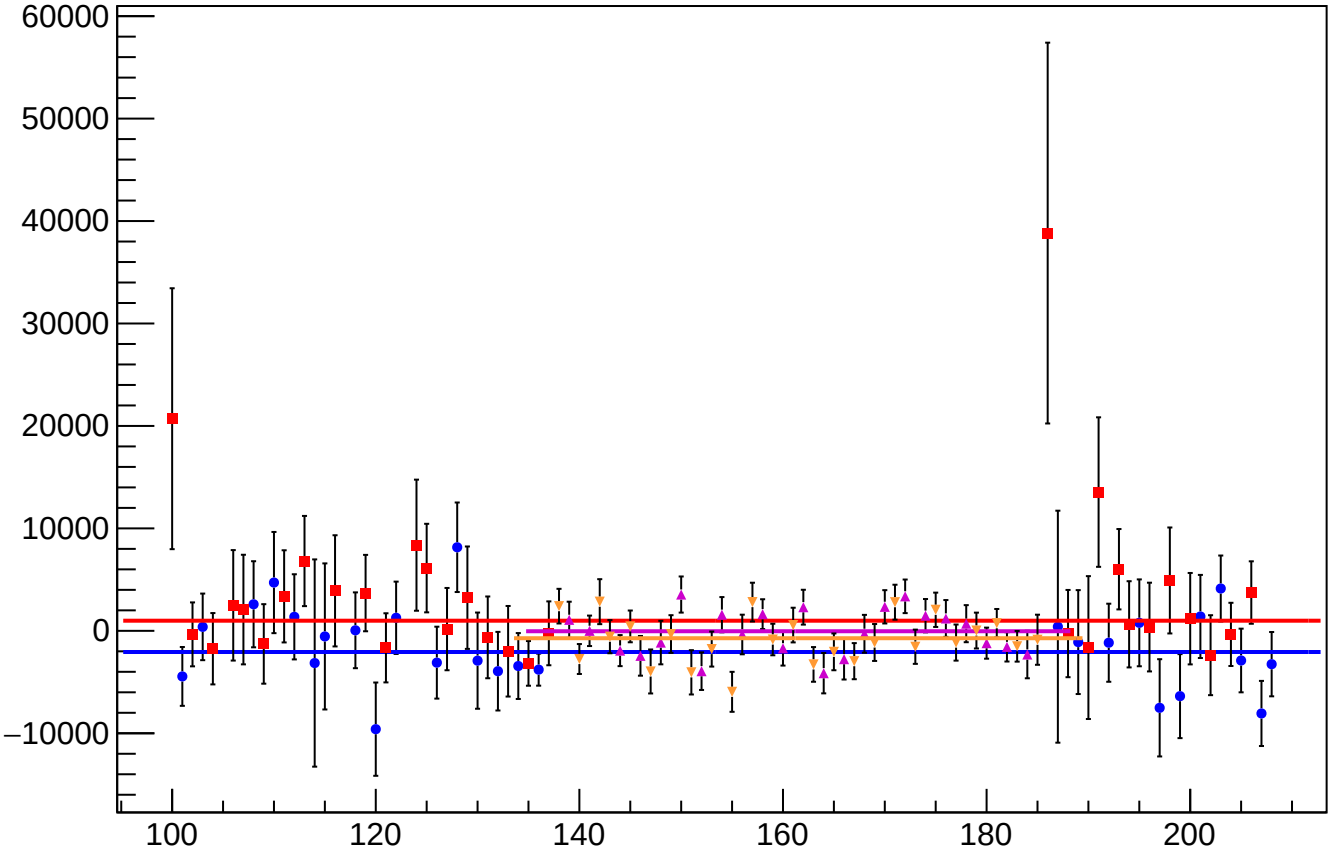
Right: 181.224+/-0.023 χ^2/NDF: 1075527.5/57

In: 189.665+/-0.023 χ^2/NDF:896018.3/49

Out: 191.921+/-0.023 χ^2/NDF:921859.3/55

All: 190.806+/-0.016 χ^2/NDF: 1822698.9/105

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 988.956+/-731.785 χ^2/NDF: 25.9/30

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

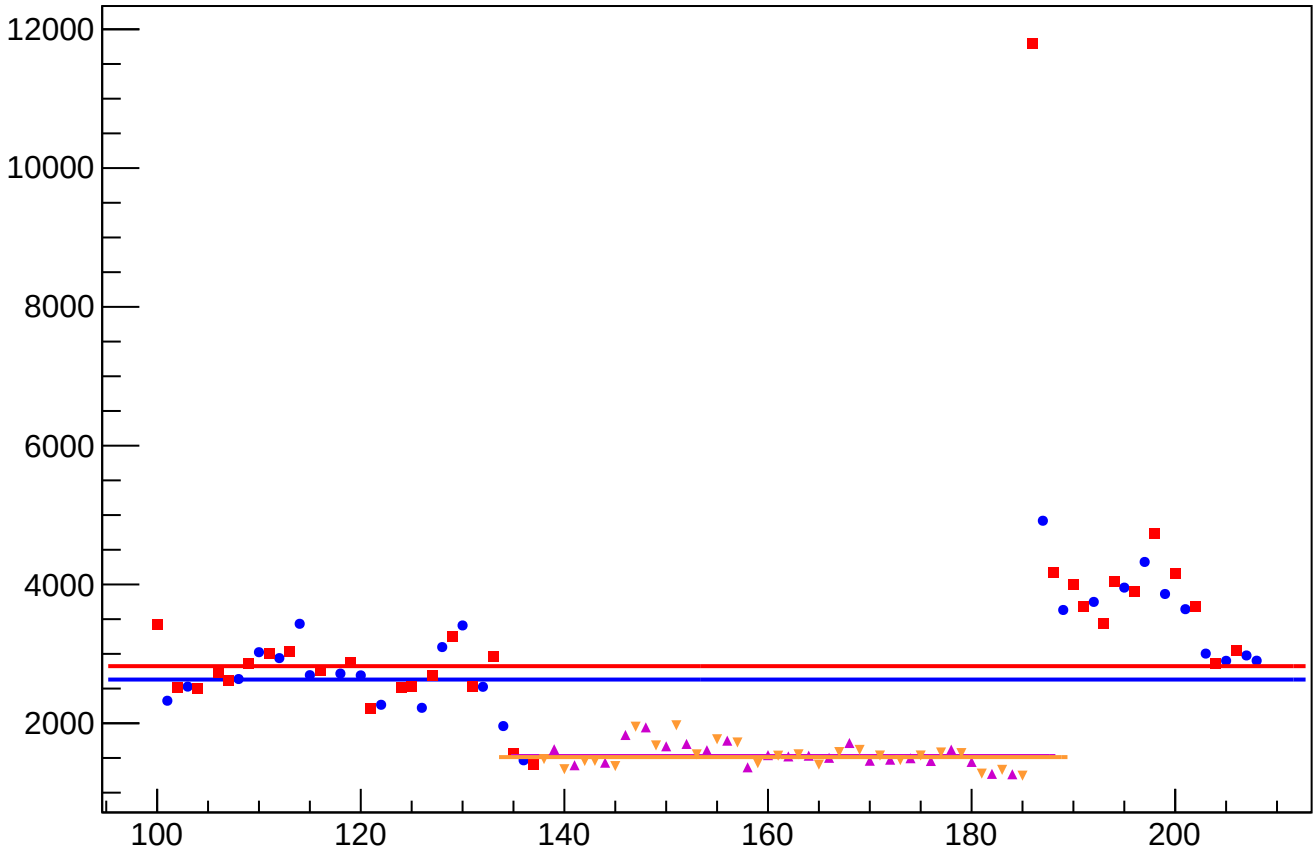
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -625.204+/-502.594 χ^2/NDF: 62.6/57

In: -470.178+/-318.803 χ^2/NDF:68.7/49

Out: -407.778+/-313.076 χ^2/NDF:68.6/55

All: -438.412+/-223.375 χ^2/NDF: 137.3/105



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

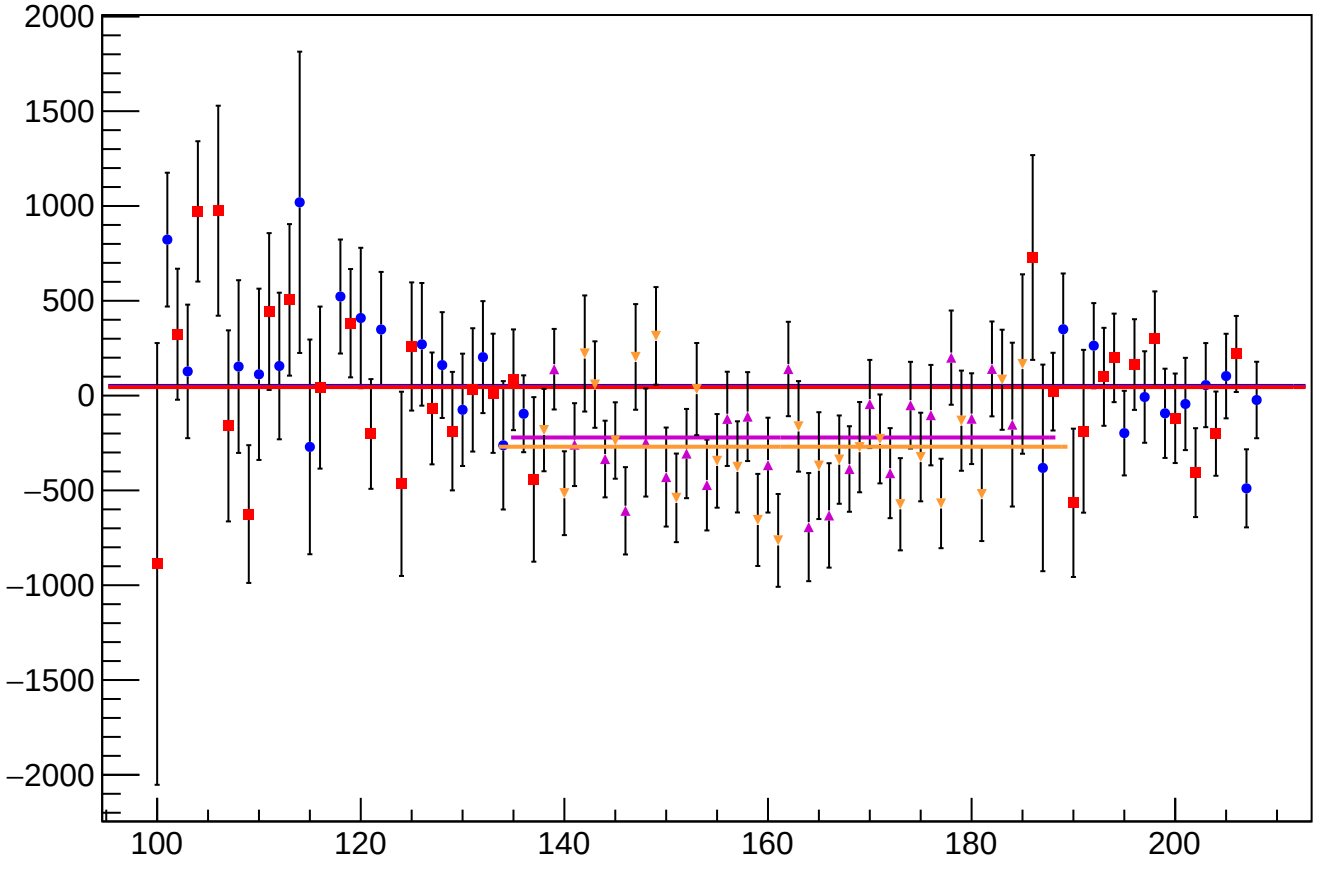
Right: 2720.943+/-0.355 χ^2/NDF: 5529399.0/57

In: 1762.186+/-0.225 χ^2/NDF:6926896.2/49

Out: 1752.249+/-0.221 χ^2/NDF:8585360.9/55

All: 1757.128+/-0.158 χ^2/NDF: 15513246.3/1

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 50.885+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 44.949+/-54.705 χ^2/NDF: 34.1/30

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

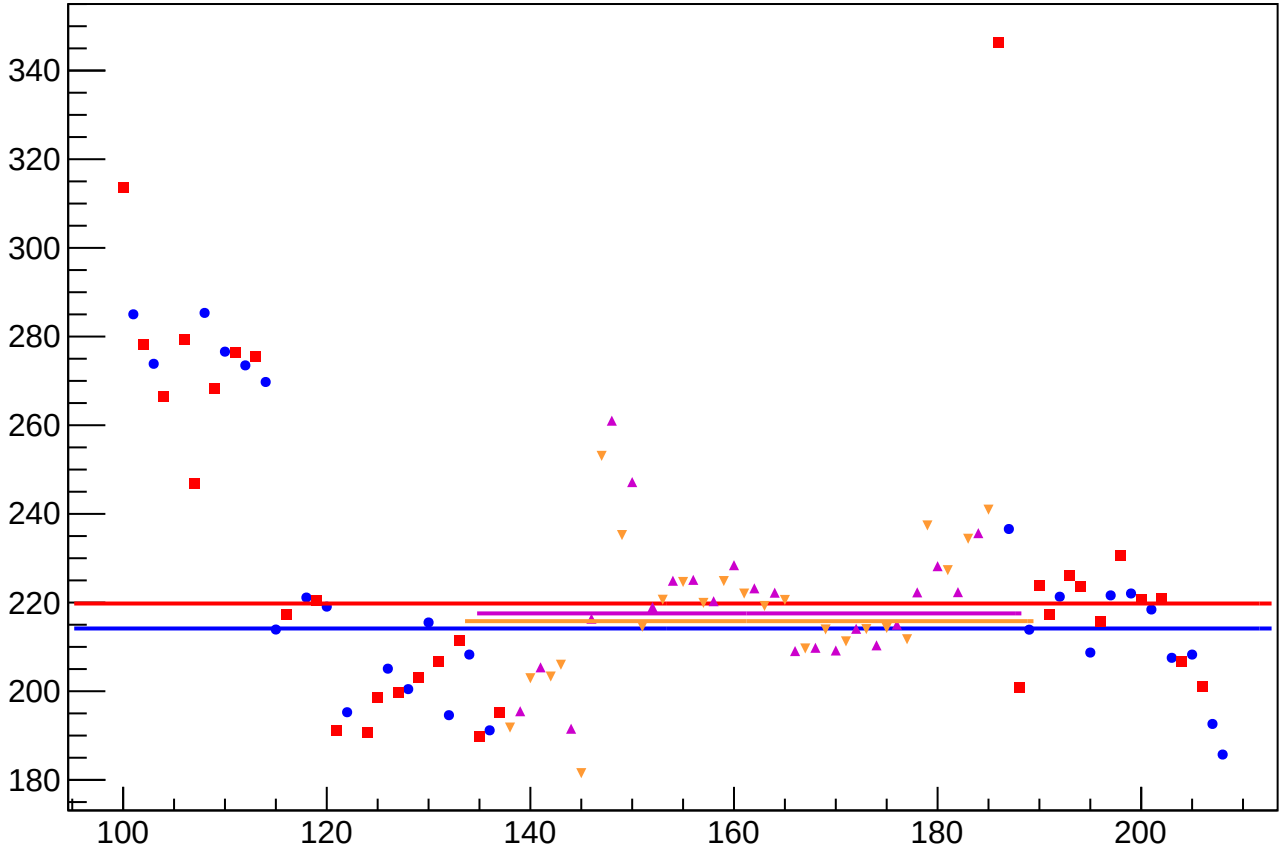
Right: 47.945+/-38.504 χ^2/NDF: 59.2/57

In: -93.413+/-37.127 χ^2/NDF:61.8/49

Out: -129.121+/-36.564 χ^2/NDF:83.9/55

All: -111.540+/-26.051 χ^2/NDF: 146.1/105

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 214.153+/-0.038 χ^2/NDF: 409037.0/26

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 219.786+/-0.039 χ^2/NDF: 487299.2/30

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

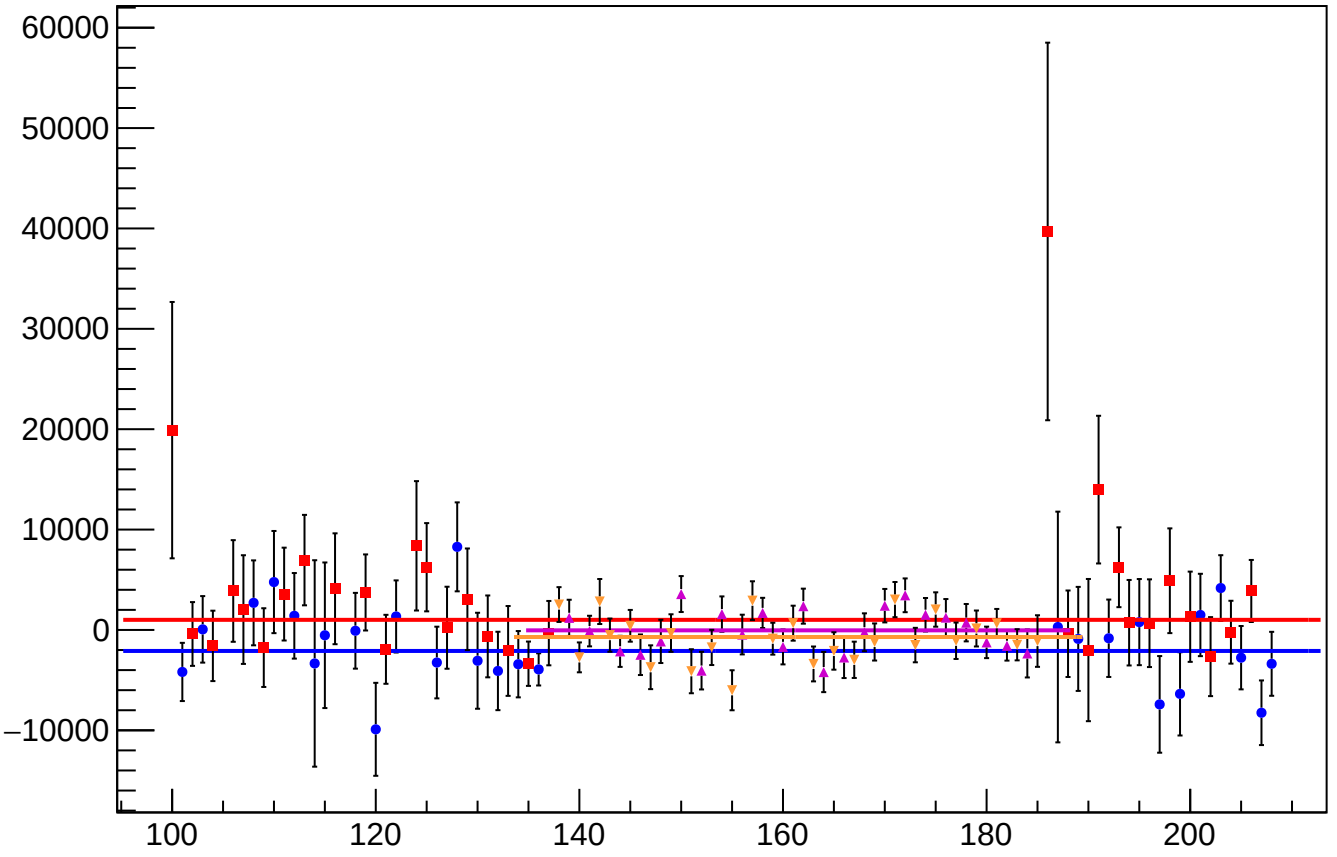
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 216.944+/-0.027 χ^2/NDF: 907038.5/57

In: 215.959+/-0.026 χ^2/NDF:574285.7/49

Out: 217.585+/-0.026 χ^2/NDF:681854.6/55

All: 216.784+/-0.018 χ^2/NDF: 1258086.9/105



Right In: -2092.805+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1007.145+/-741.571 χ^2/NDF: 26.9/30

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

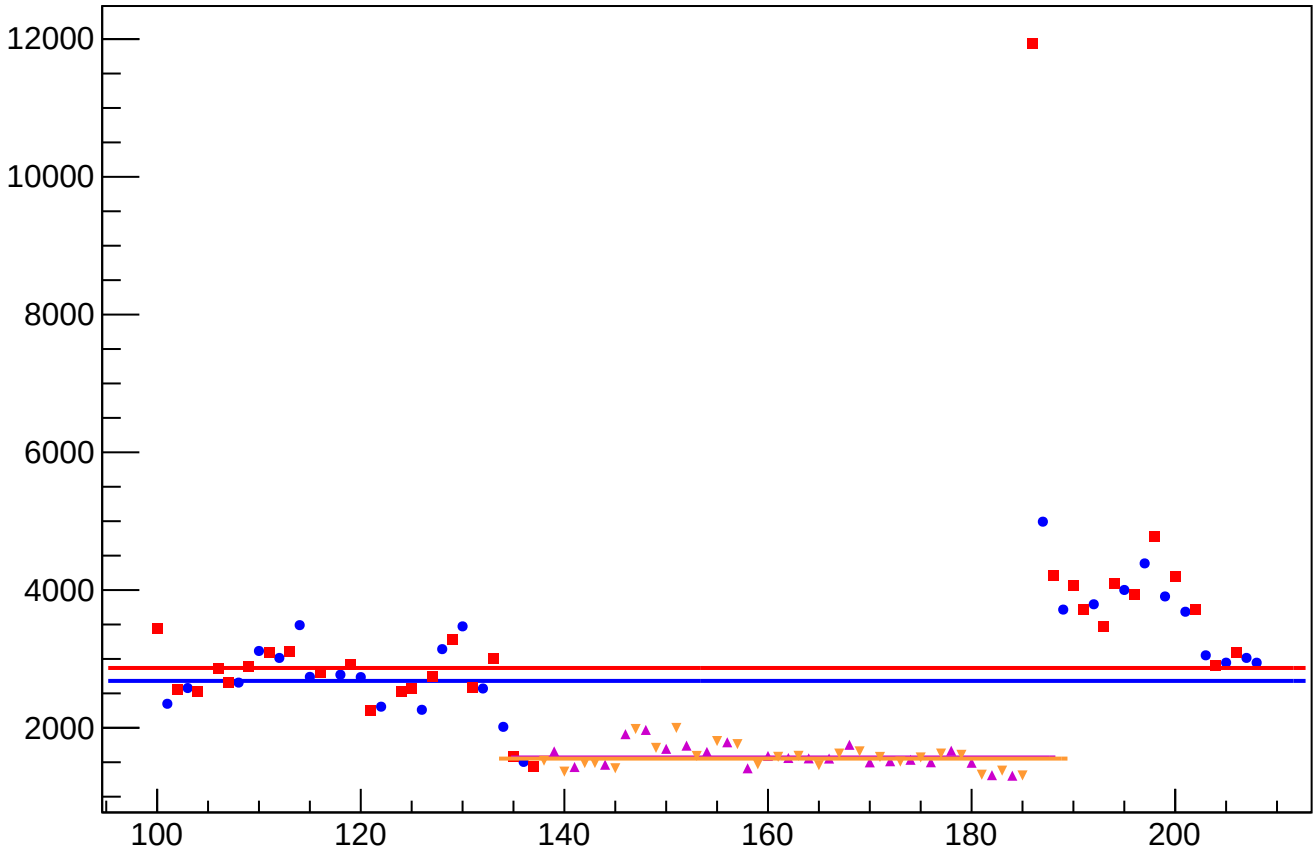
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -623.228+/-510.589 χ^2/NDF: 63.5/57

In: -481.863+/-326.744 χ^2/NDF:68.4/49

Out: -384.308+/-320.540 χ^2/NDF:68.8/55

All: -432.150+/-228.818 χ^2/NDF: 137.3/105



Right In: 2681.036+/-0.498 χ^2/NDF: 2491773.9/26

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2868.782+/-0.524 χ^2/NDF: 2860255.1/30

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

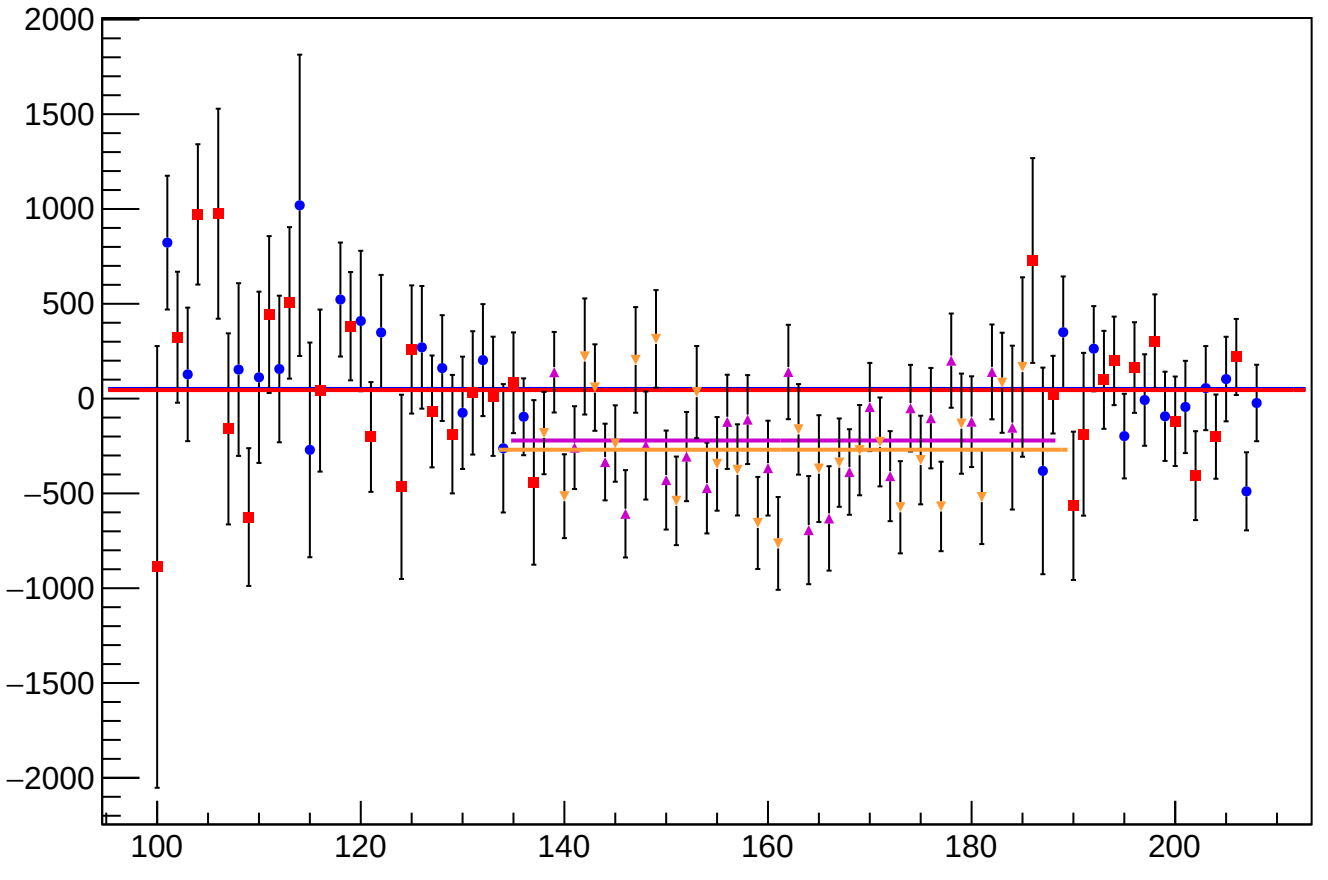
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2770.040+/-0.361 χ^2/NDF: 5419450.2/57

In: 1808.810+/-0.231 χ^2/NDF:6761420.8/49

Out: 1798.850+/-0.227 χ^2/NDF:8390046.5/55

All: 1803.735+/-0.162 χ^2/NDF: 15152414.3/1



Right In: 50.888+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 44.950+/-54.705 χ^2/NDF: 34.1/30

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

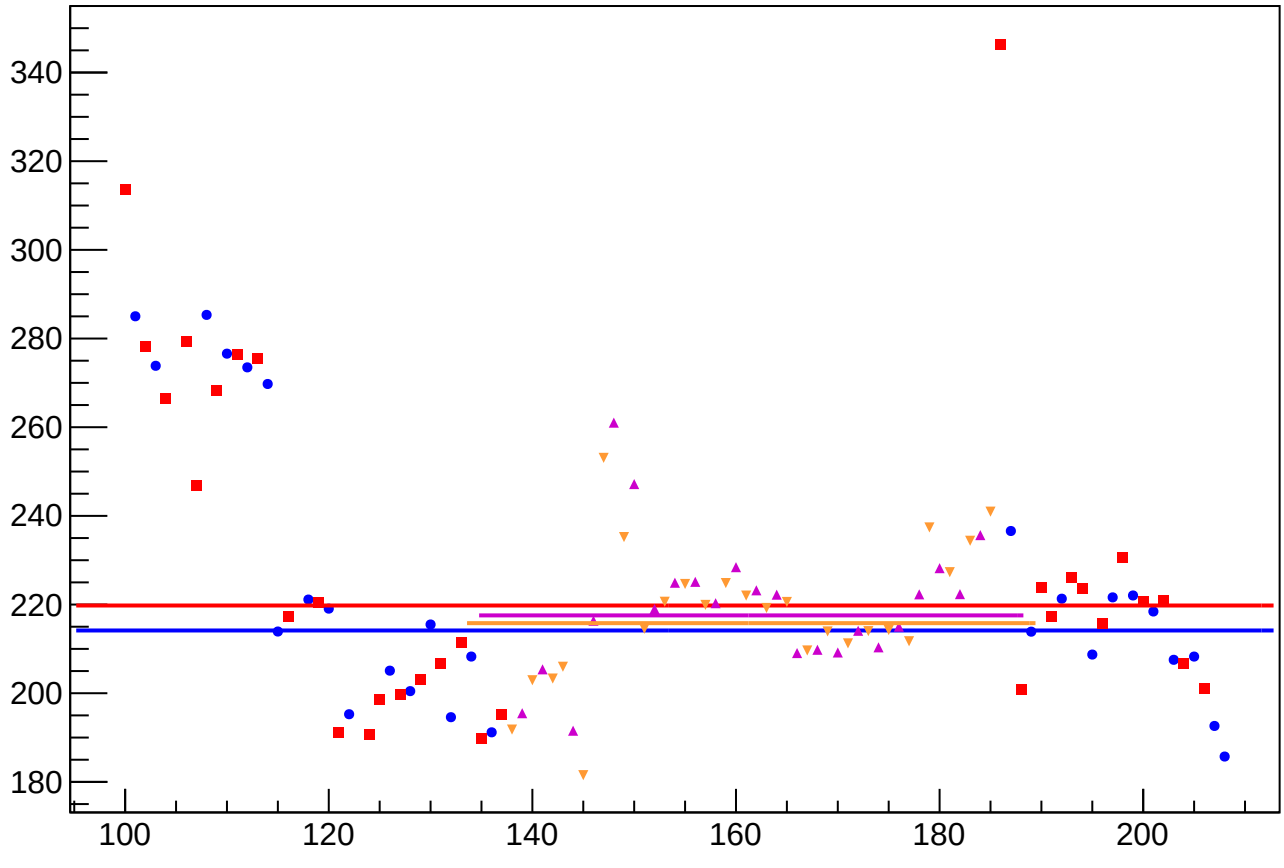
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 47.947+/-38.504 χ^2/NDF: 59.2/57

In: -93.412+/-37.127 χ^2/NDF:61.8/49

Out: -129.121+/-36.564 χ^2/NDF:83.9/55

All: -111.539+/-26.051 χ^2/NDF: 146.1/105



Right In: 214.152+/-0.038 χ^2/NDF: 409026.4/26

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 219.786+/-0.039 χ^2/NDF: 487282.1/30

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

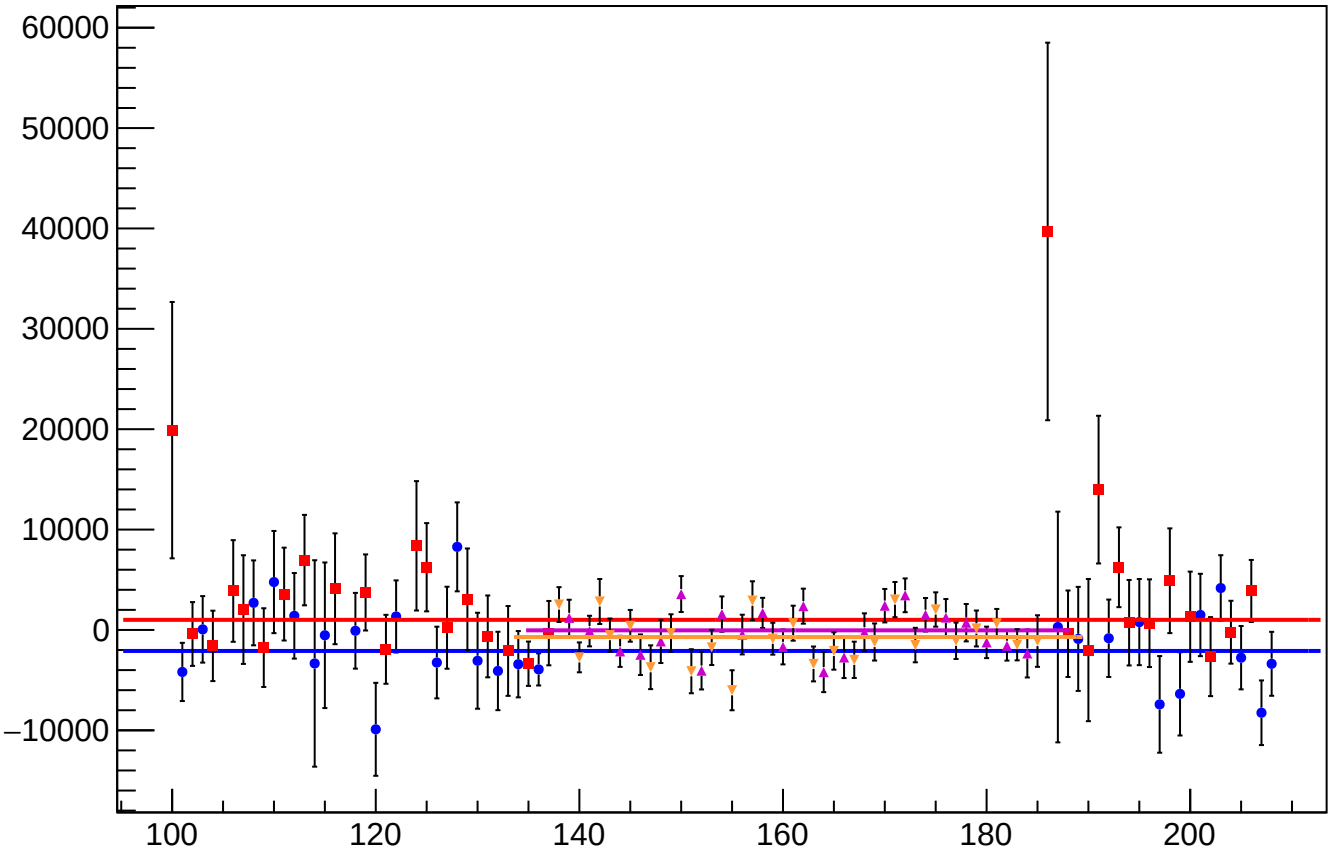
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 216.943+/-0.027 χ^2/NDF: 907011.2/57

In: 215.958+/-0.026 χ^2/NDF:574278.3/49

Out: 217.584+/-0.026 χ^2/NDF:681840.8/55

All: 216.784+/-0.018 χ^2/NDF: 1258066.1/105



Right In: -2092.801+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1007.146+/-741.570 χ^2/NDF: 26.9/30

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

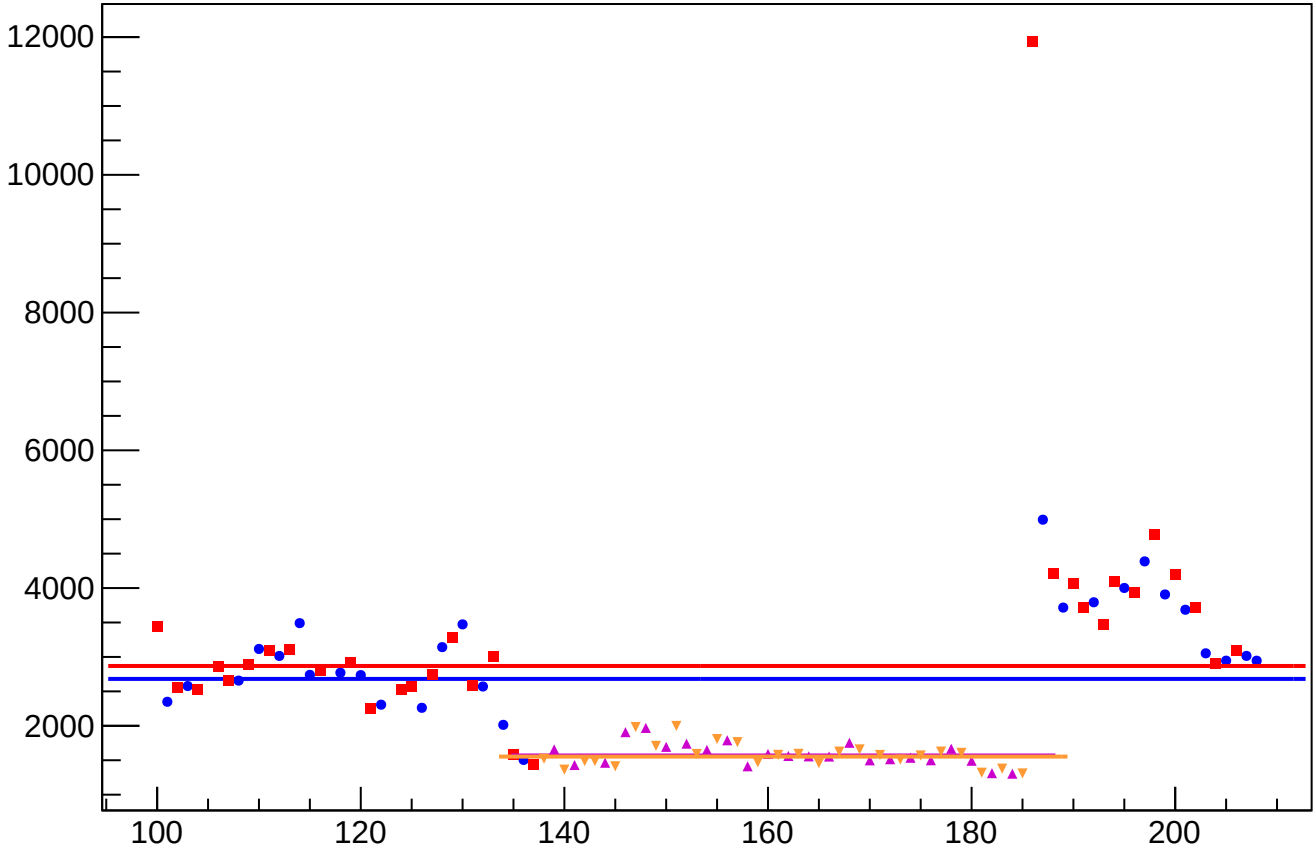
Right: -623.225+/-510.589 χ^2/NDF: 63.5/57

In: -481.862+/-326.744 χ^2/NDF:68.4/49

Out: -384.307+/-320.540 χ^2/NDF:68.8/55

All: -432.150+/-228.818 χ^2/NDF: 137.3/105

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2681.034+/-0.498 χ^2/NDF: 2491771.2/26

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2868.779+/-0.524 χ^2/NDF: 2860258.0/30

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

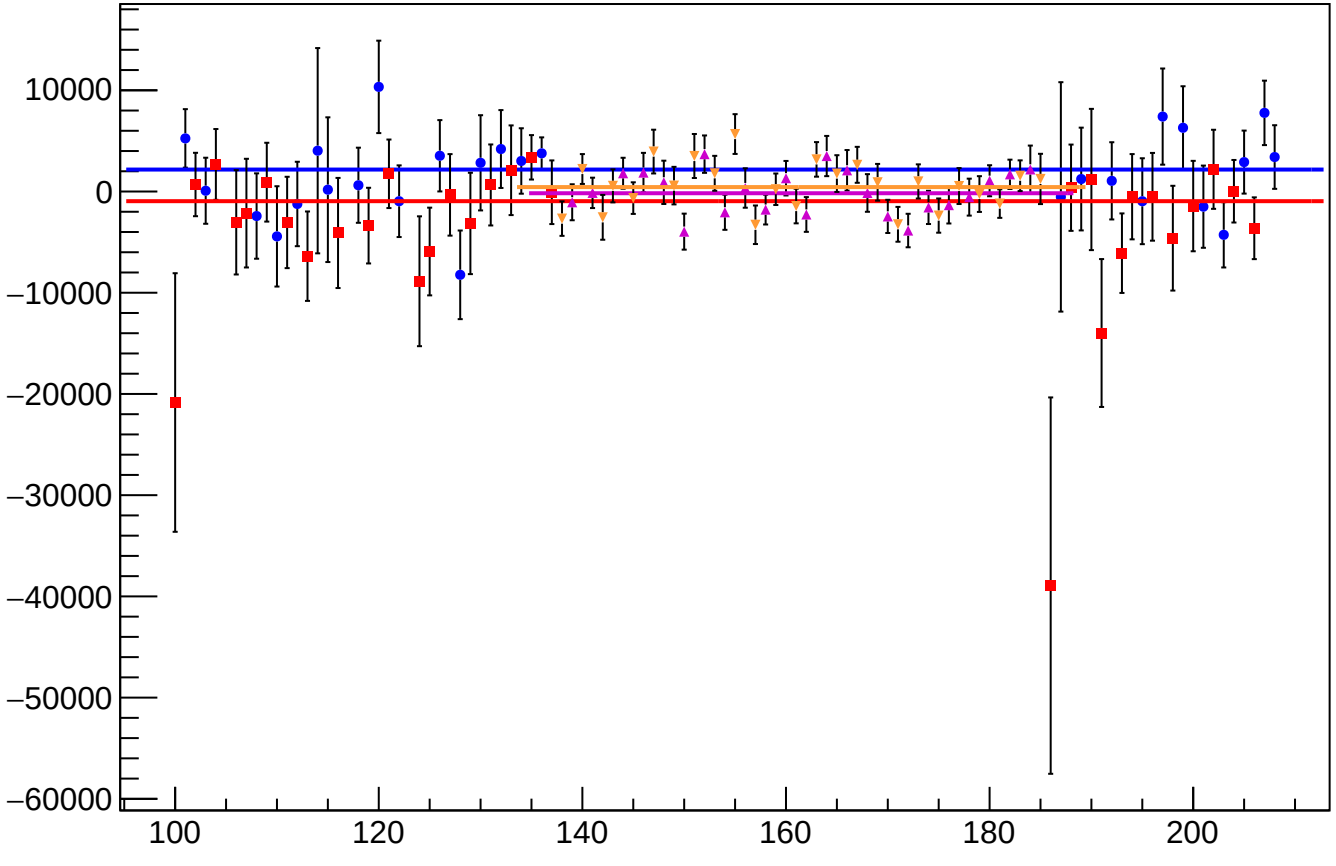
Right: 2770.037+/-0.361 χ^2/NDF: 5419450.0/57

In: 1808.810+/-0.231 χ^2/NDF:6761410.1/49

Out: 1798.850+/-0.227 χ^2/NDF:8390033.8/55

All: 1803.735+/-0.162 χ^2/NDF: 15152390.8/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2169.307+/-693.978 χ^2/NDF: 27.7/26

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -954.465+/-733.365 χ^2/NDF: 26.3/30

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

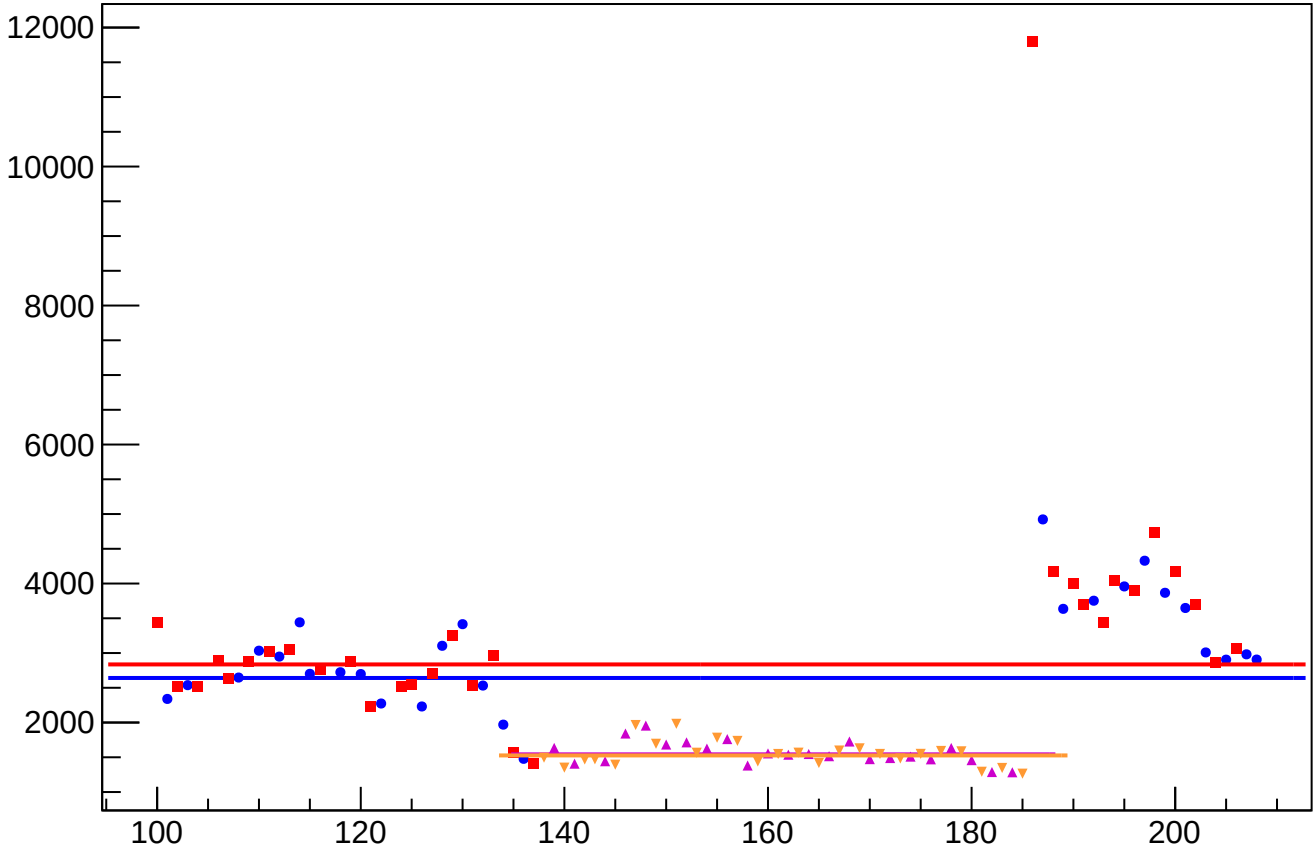
Right: 693.554+/-504.066 χ^2/NDF: 63.6/57

In: 331.702+/-321.341 χ^2/NDF:69.6/49

Out: 179.791+/-315.563 χ^2/NDF:68.1/55

All: 254.368+/-225.152 χ^2/NDF: 137.9/105

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2641.195+/-0.491 χ^2/NDF: 2515662.1/26

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2836.152+/-0.519 χ^2/NDF: 2869681.5/30

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

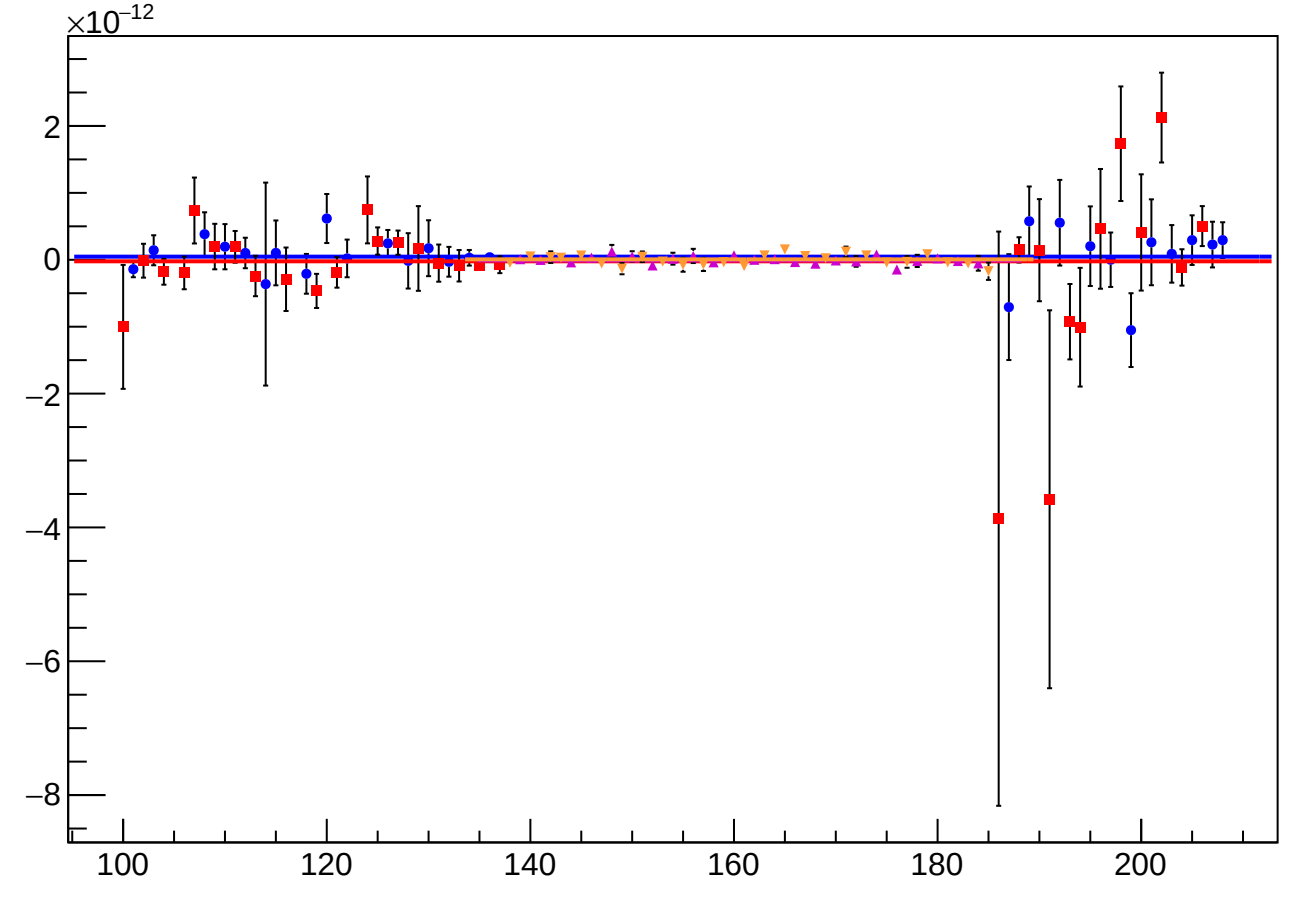
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2733.298+/-0.356 χ^2/NDF: 5459911.4/57

In: 1777.882+/-0.227 χ^2/NDF:6817783.3/49

Out: 1769.170+/-0.223 χ^2/NDF:8494652.1/55

All: 1773.447+/-0.159 χ^2/NDF: 15313183.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.8/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

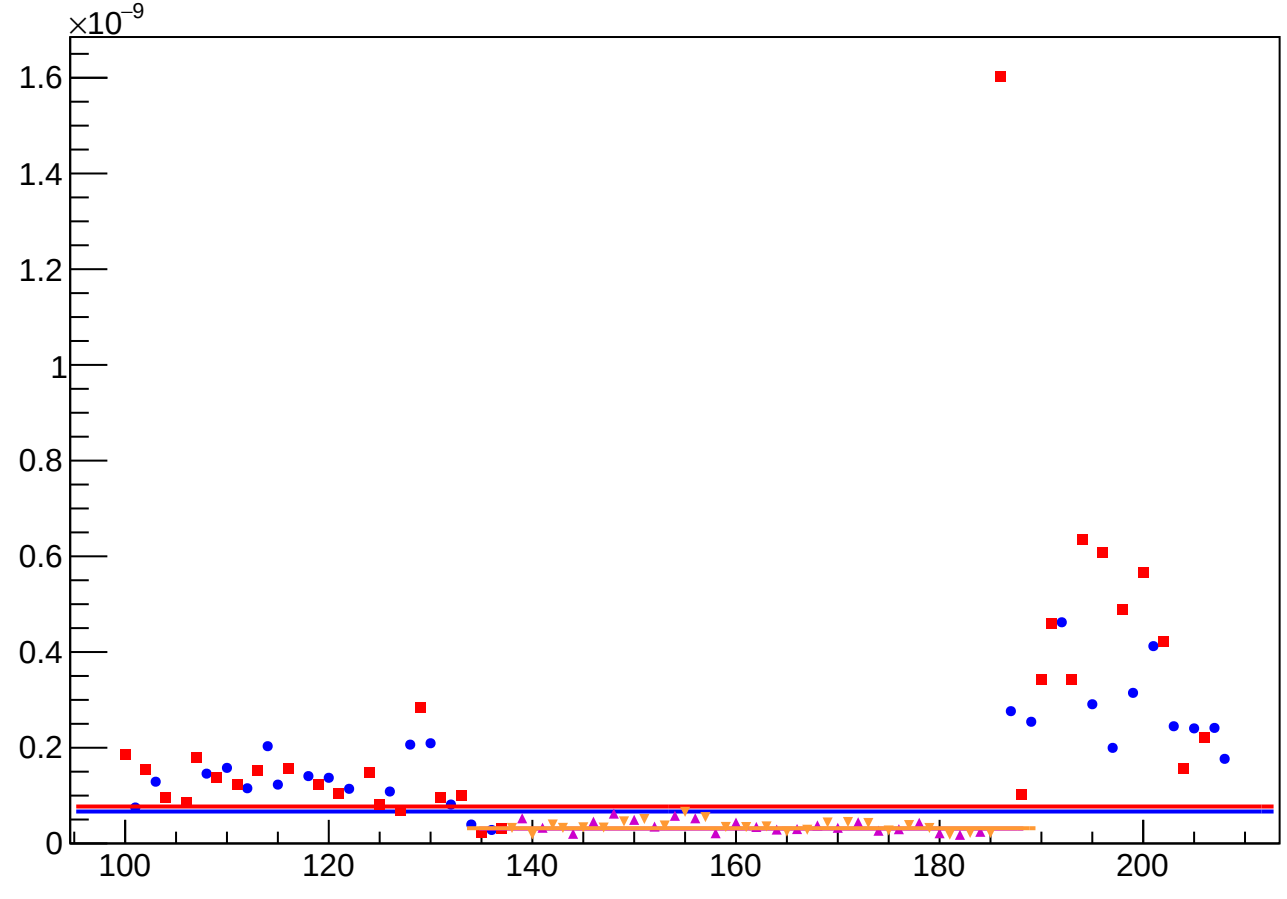
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.3/57

In: -0.000+/-0.000 χ^2/NDF:36.1/49

Out: 0.000+/-0.000 χ^2/NDF:75.1/55

All: 0.000+/-0.000 χ^2/NDF: 111.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 7152168.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440717.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

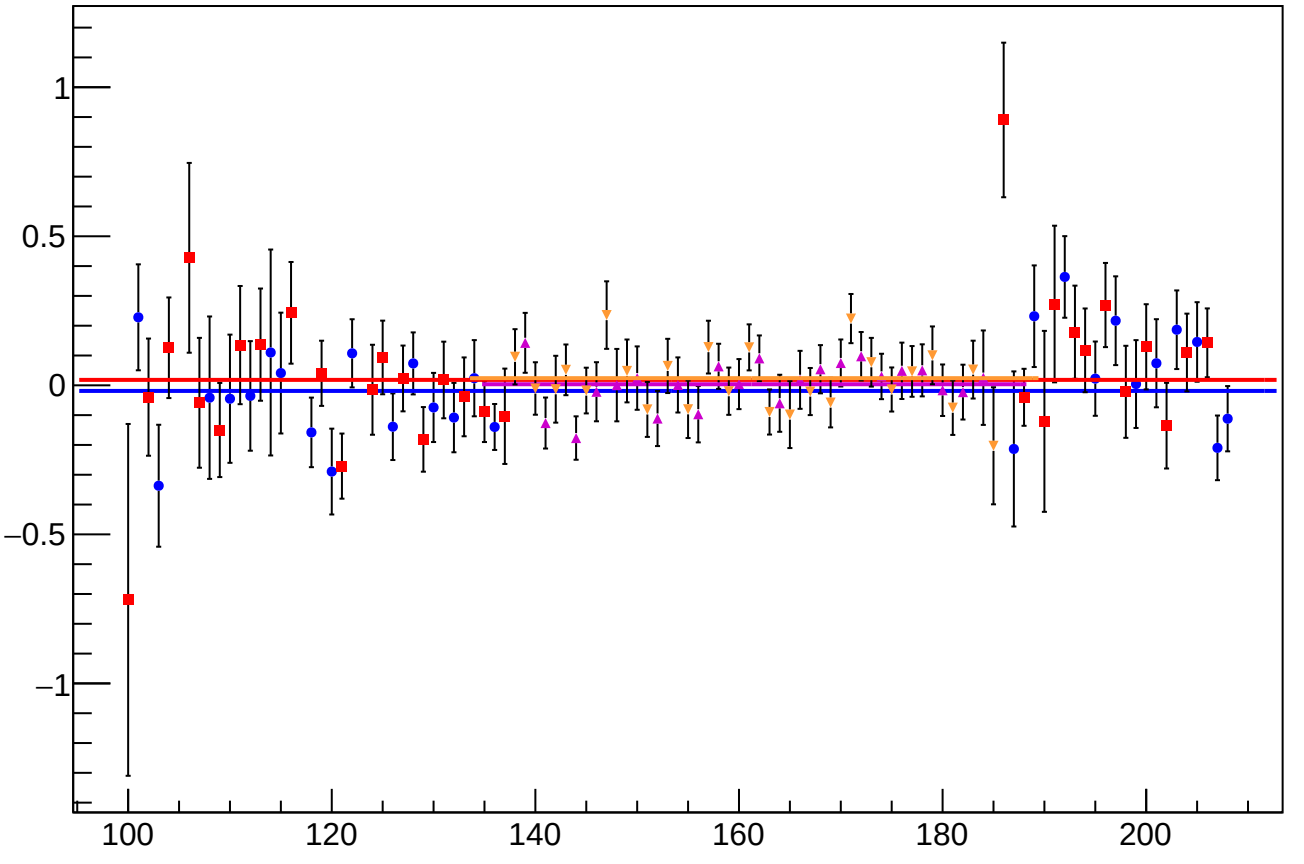
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14668061.8/57

In: 0.000+/-0.000 χ^2/NDF:10587561.6/49

Out: 0.000+/-0.000 χ^2/NDF:10931717.6/55

All: 0.000+/-0.000 χ^2/NDF: 21520422.4/105



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

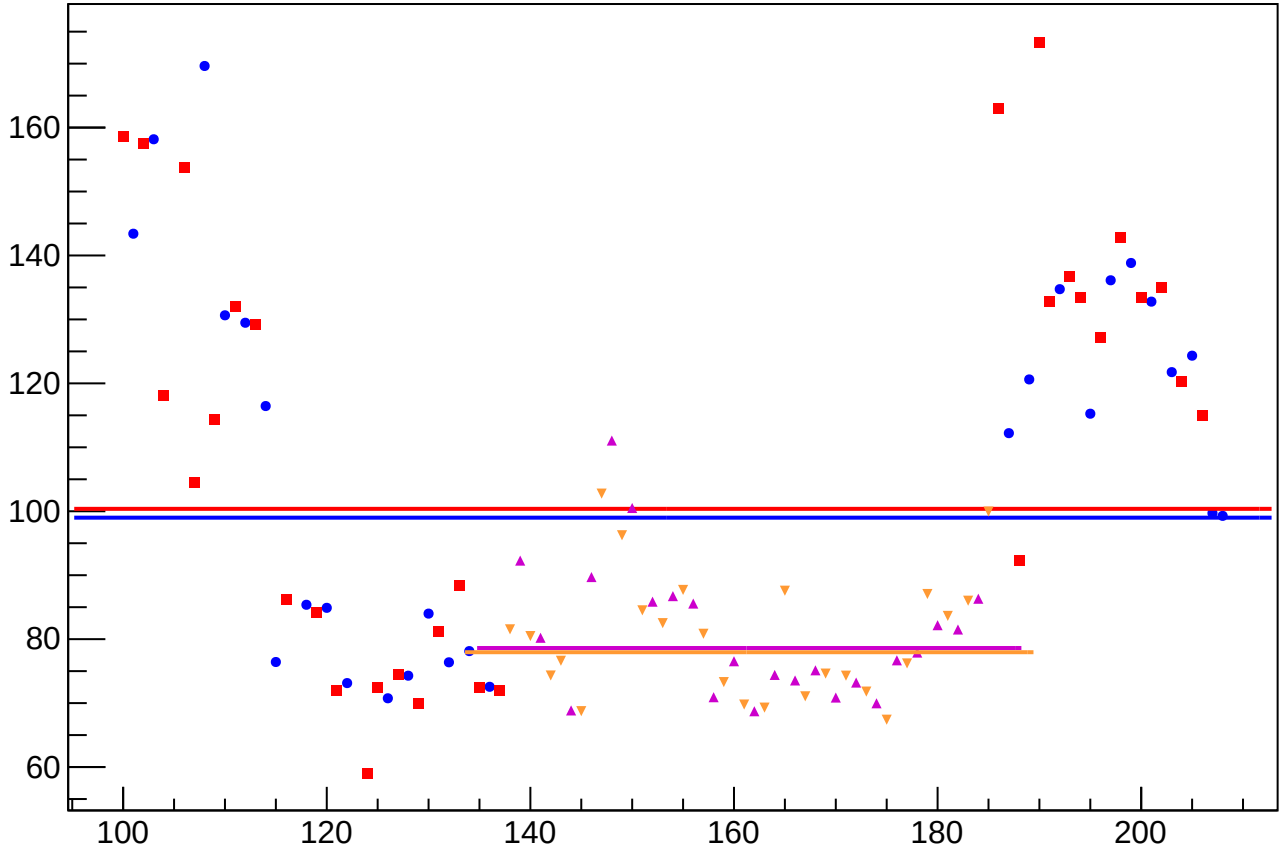
Right: -0.000+/-0.018 χ^2/NDF: 79.6/57

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.009+/-0.011 χ^2/NDF: 125.1/105

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

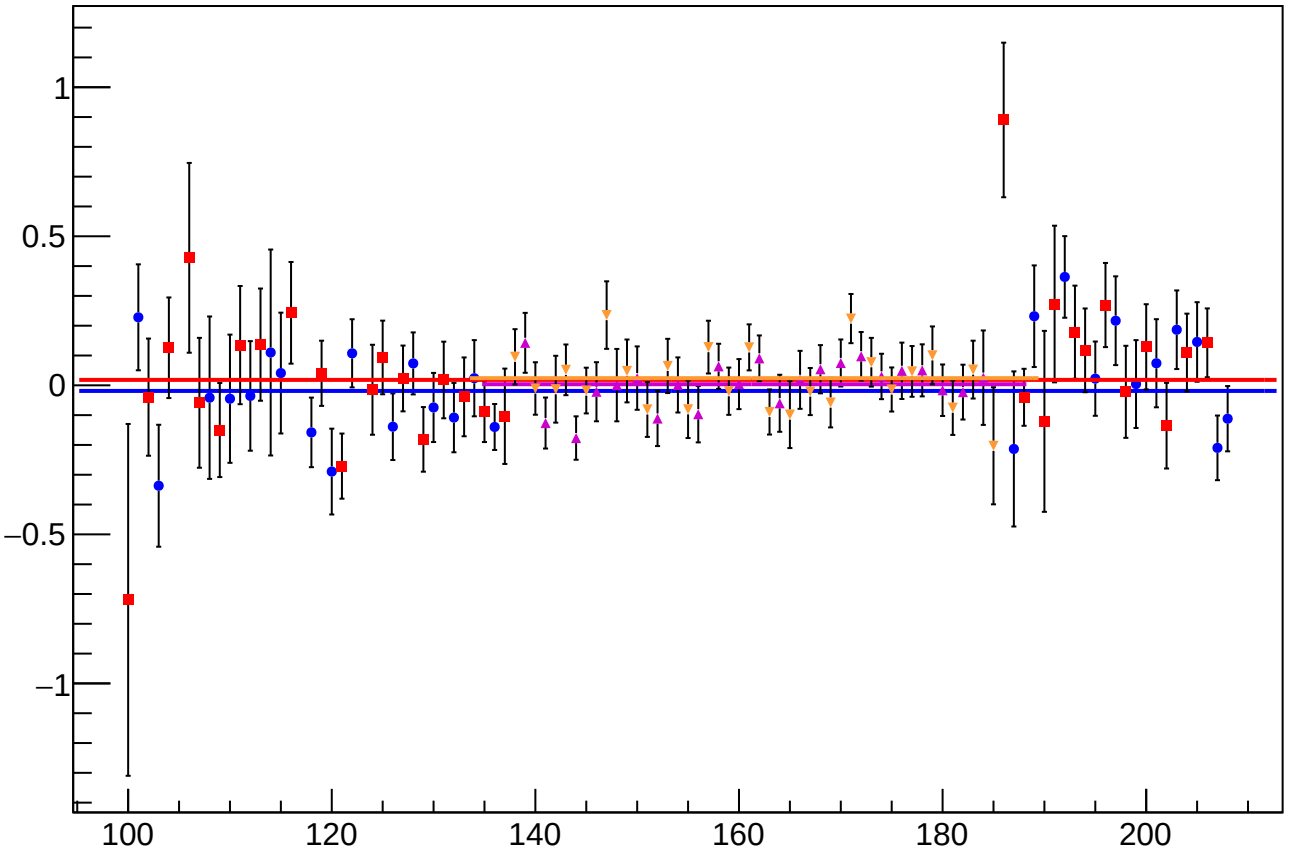
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 99.688+/-0.013 χ^2/NDF: 4448179.0/57

In: 85.523+/-0.011 χ^2/NDF:3371578.6/49

Out: 85.162+/-0.010 χ^2/NDF:3841709.7/55

All: 85.338+/-0.007 χ^2/NDF: 7213876.0/105



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

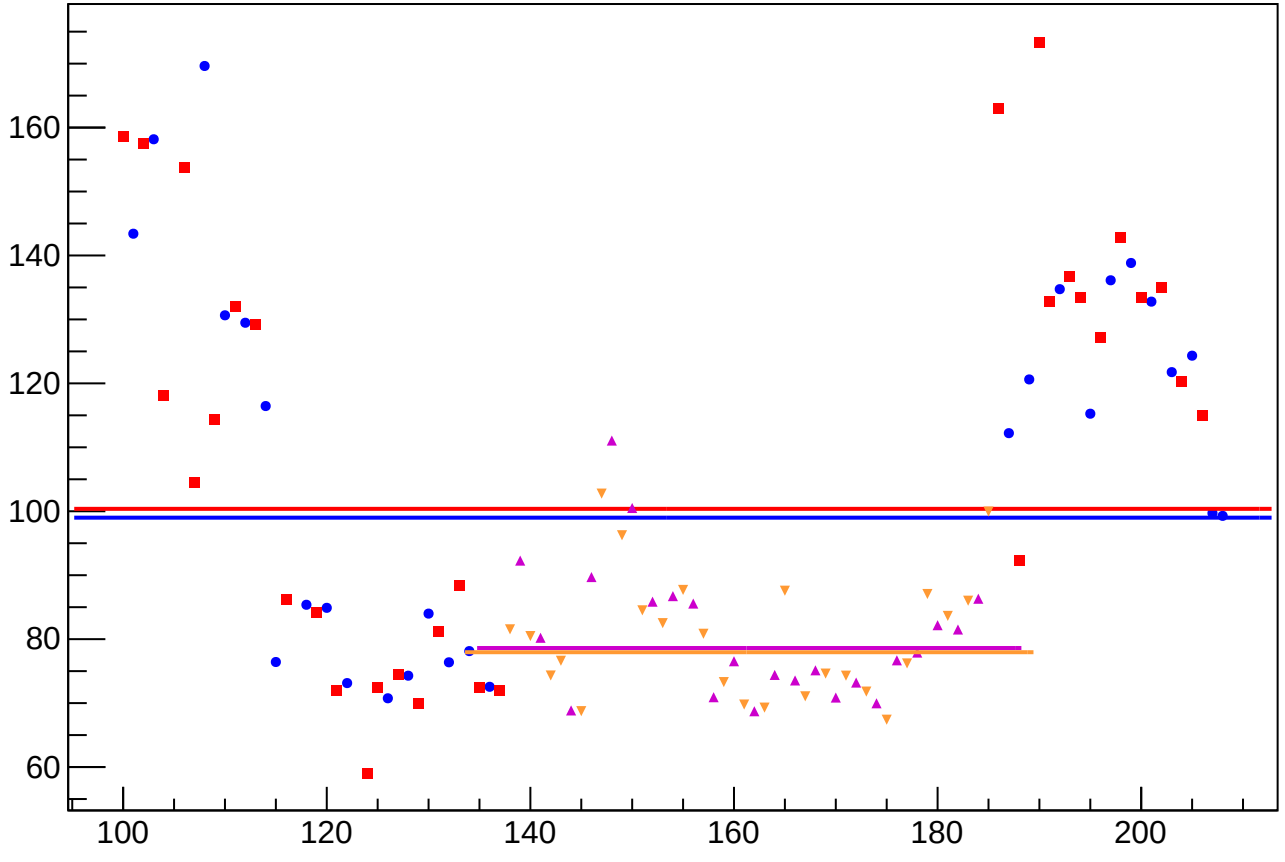
Right: -0.000+/-0.018 χ^2/NDF: 79.6/57

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.009+/-0.011 χ^2/NDF: 125.1/105

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

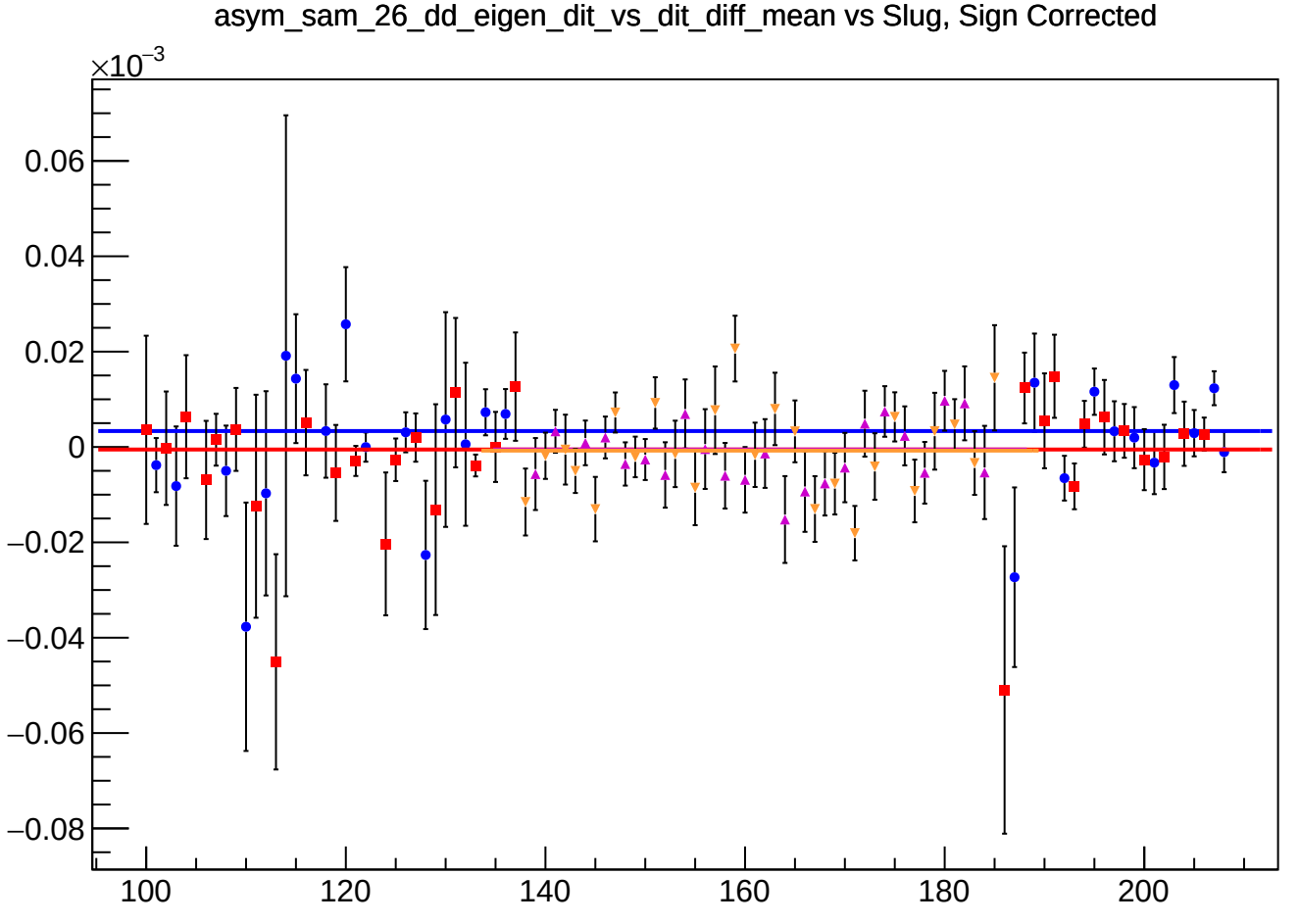
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 99.688+/-0.013 χ^2/NDF: 4448179.0/57

In: 85.523+/-0.011 χ^2/NDF:3371578.6/49

Out: 85.162+/-0.010 χ^2/NDF:3841709.7/55

All: 85.338+/-0.007 χ^2/NDF: 7213876.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

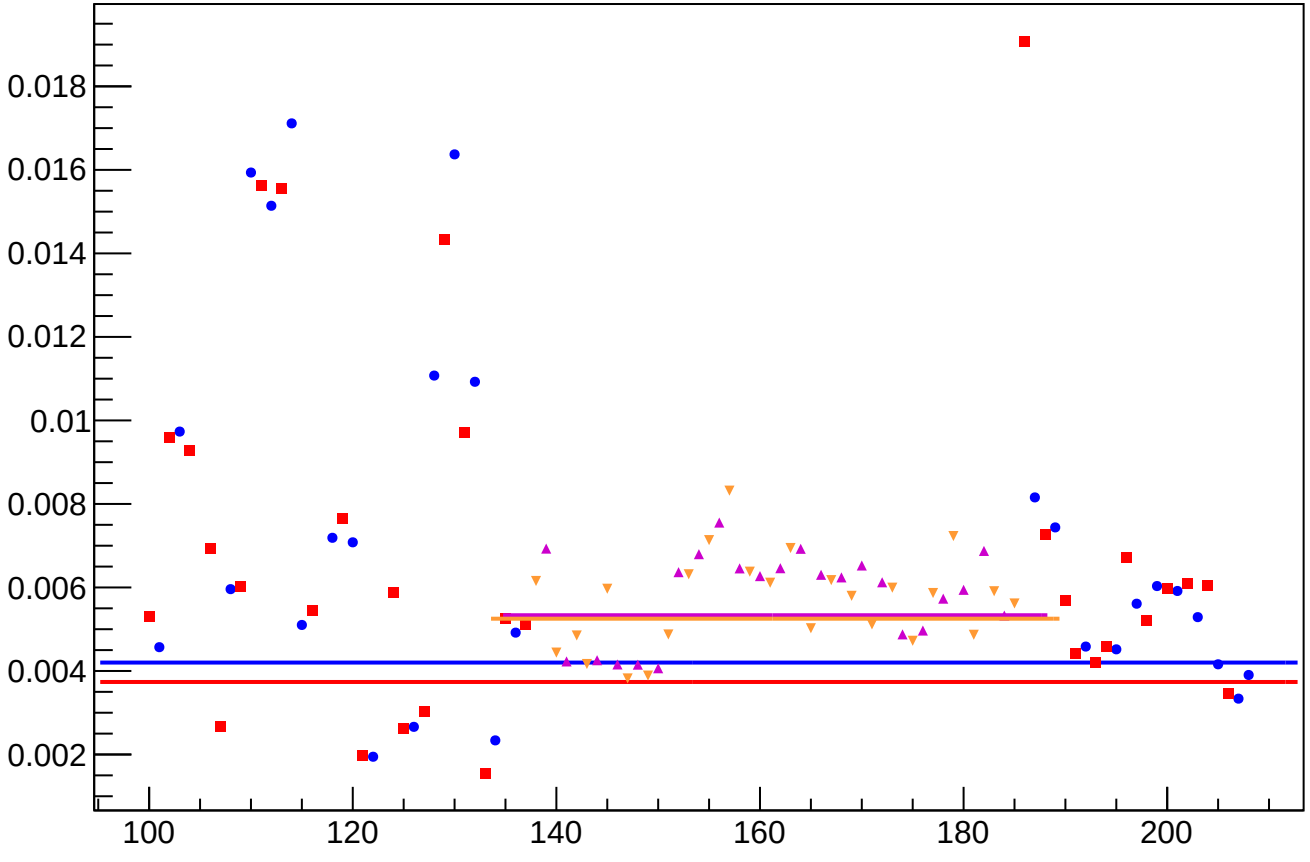
Right: 0.000+/-0.000 χ^2/NDF: 71.8/57

In: 0.000+/-0.000 χ^2/NDF:61.2/49

Out: -0.000+/-0.000 χ^2/NDF:76.0/55

All: 0.000+/-0.000 χ^2/NDF: 140.5/105

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5711209.5/26

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8460204.3/30

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

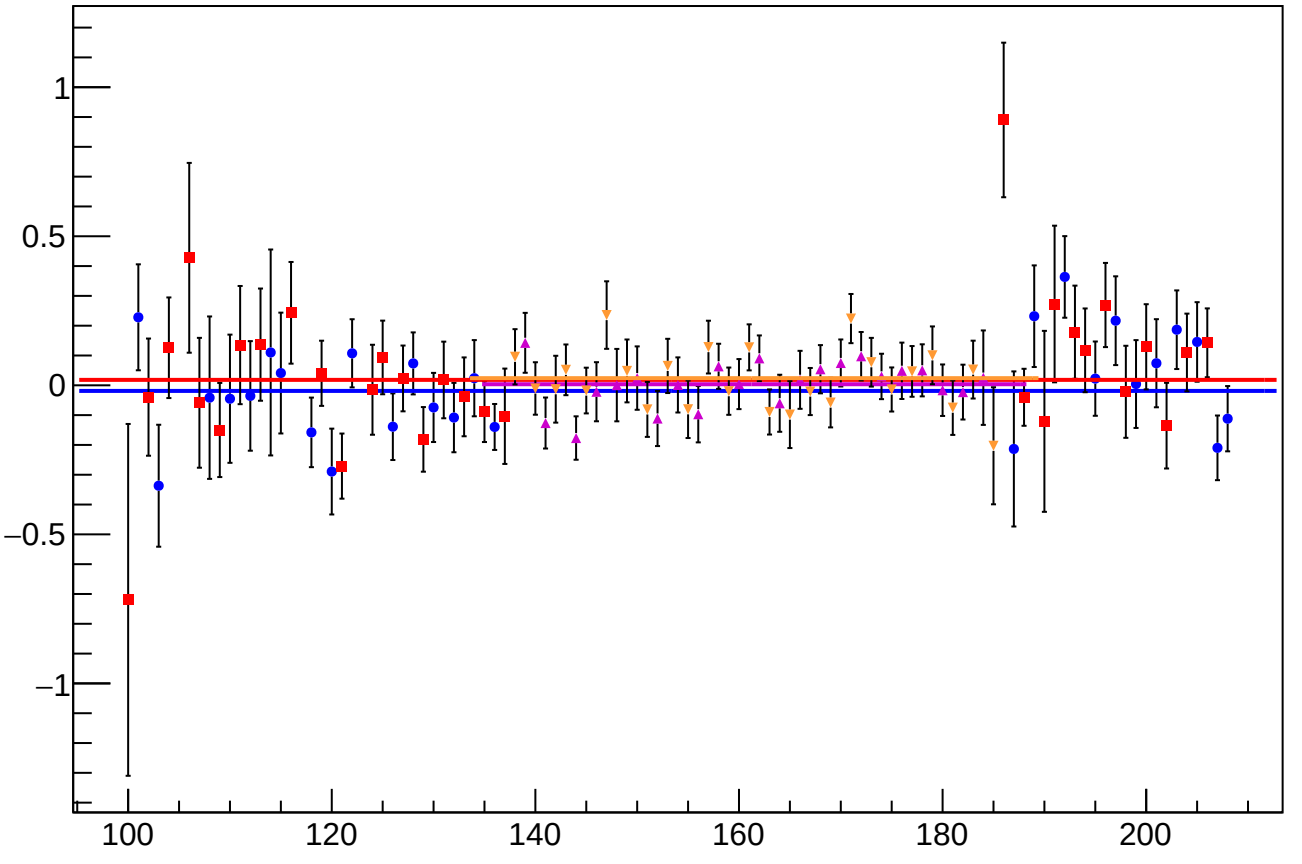
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 14336833.1/57

In: 0.005+/-0.000 χ^2/NDF:8060060.0/49

Out: 0.004+/-0.000 χ^2/NDF:11676307.5/55

All: 0.005+/-0.000 χ^2/NDF: 19877208.9/105



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

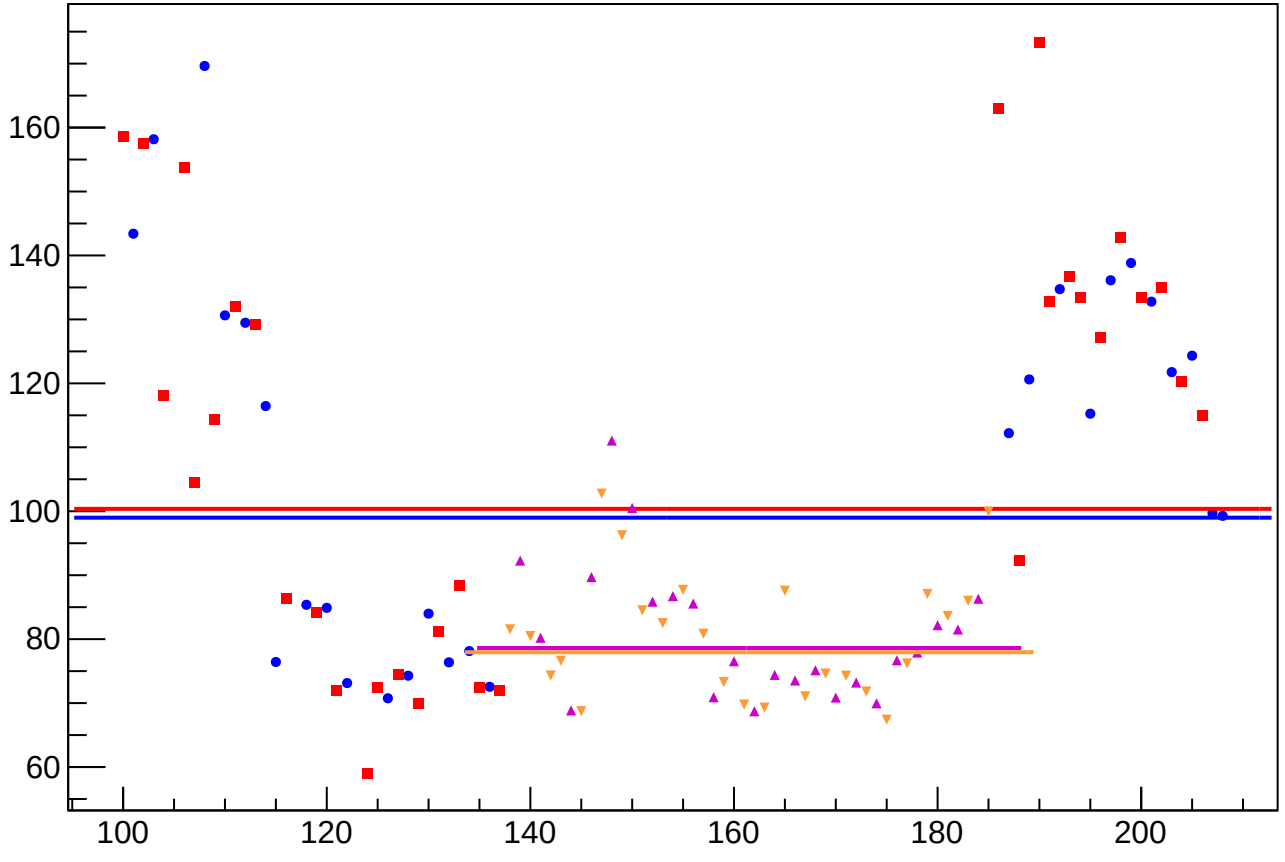
Right: -0.000+/-0.018 χ^2/NDF: 79.6/57

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.009+/-0.011 χ^2/NDF: 125.1/105

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

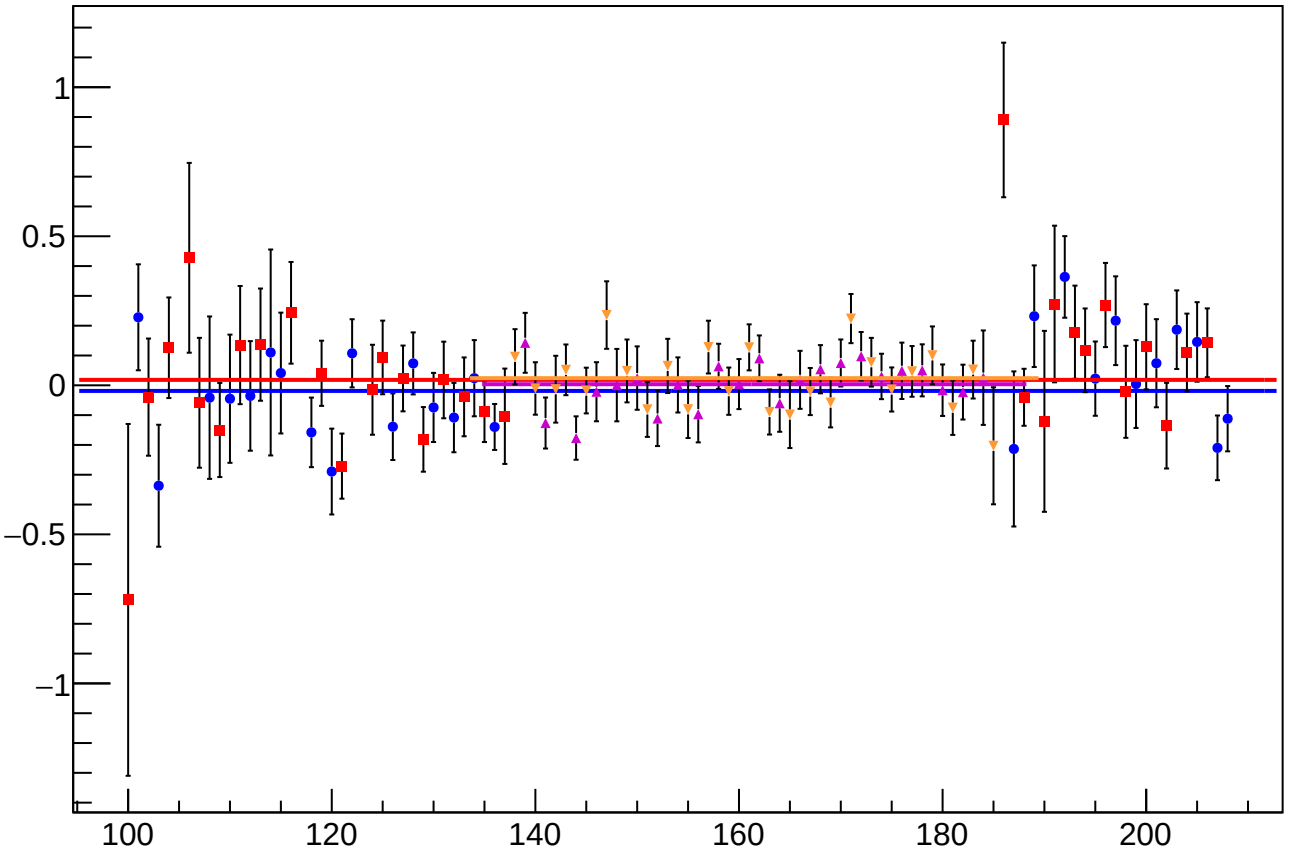
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 99.686+/-0.013 χ^2/NDF: 4448397.4/57

In: 85.522+/-0.011 χ^2/NDF:3371650.5/49

Out: 85.161+/-0.010 χ^2/NDF:3841746.3/55

All: 85.337+/-0.007 χ^2/NDF: 7213983.5/105



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

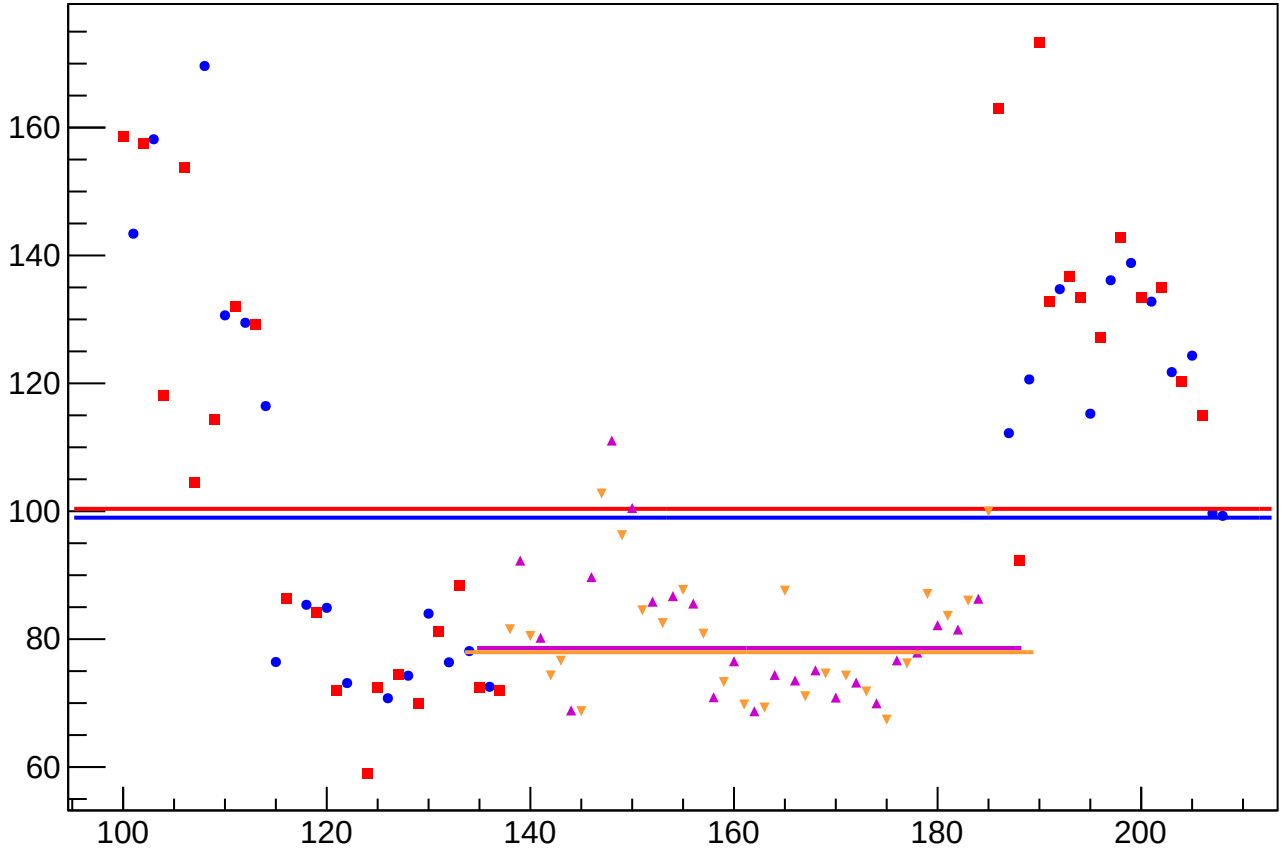
Right: -0.000+/-0.018 χ^2/NDF: 79.6/57

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.009+/-0.011 χ^2/NDF: 125.1/105

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

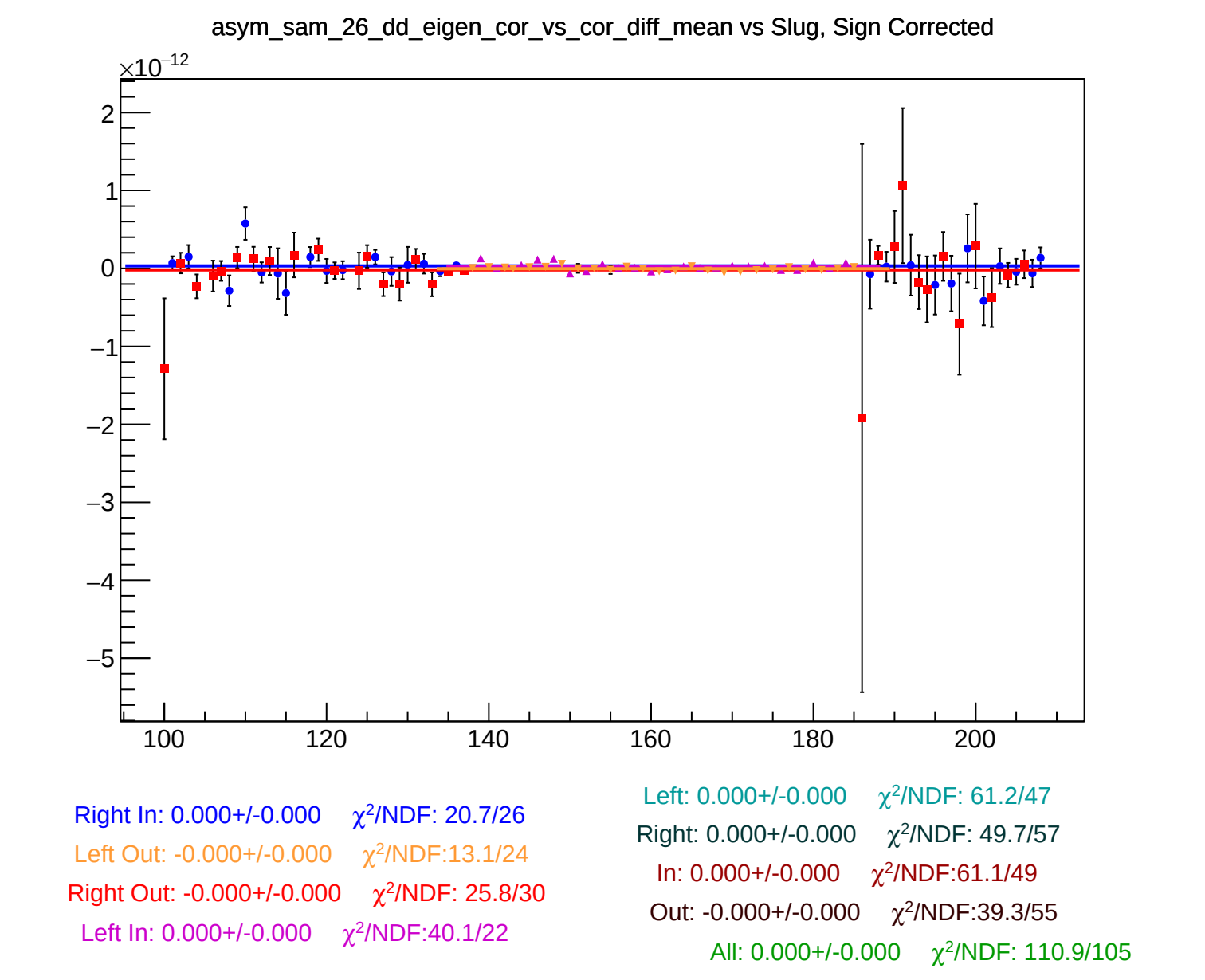
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 99.686+/-0.013 χ^2/NDF: 4448397.4/57

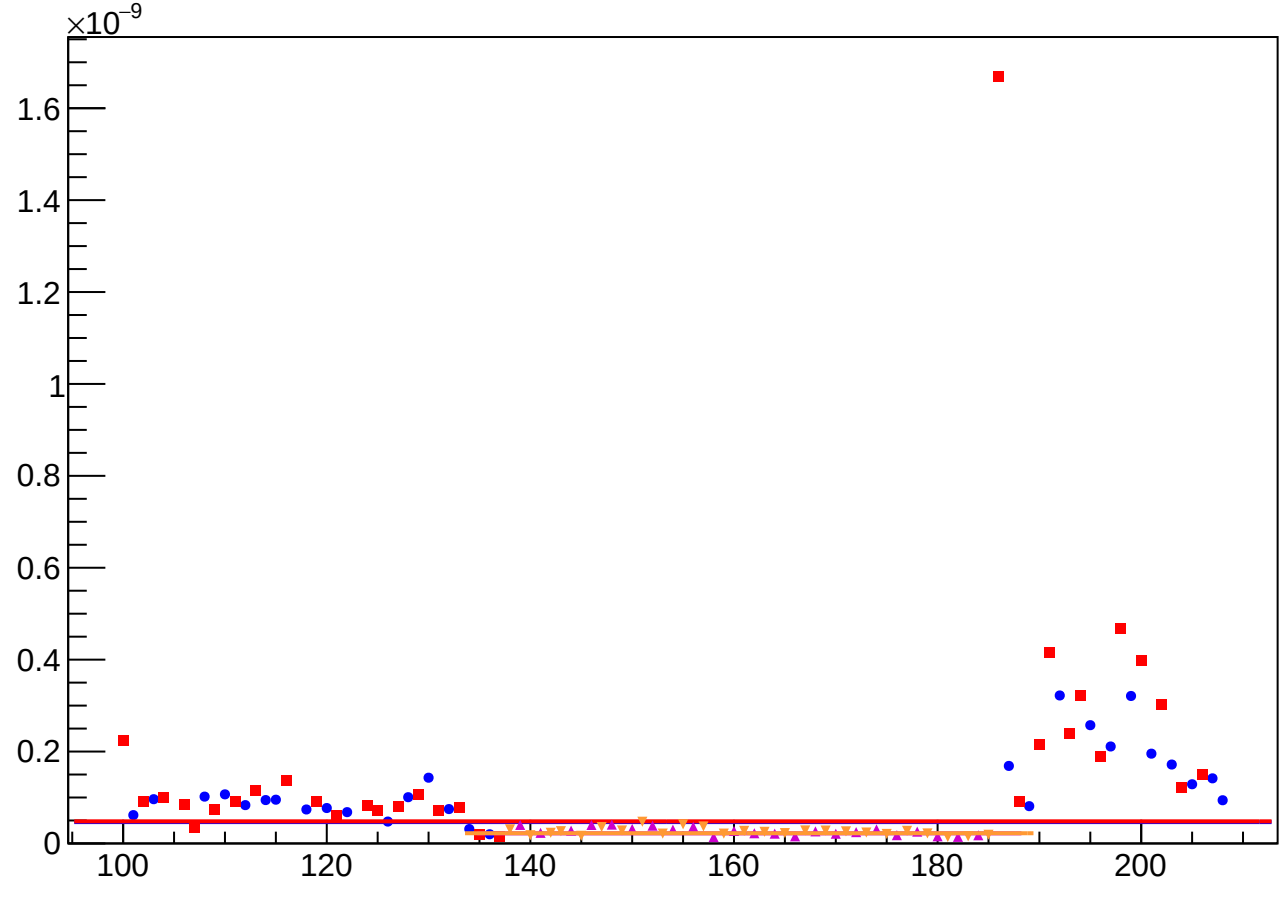
In: 85.522+/-0.011 χ^2/NDF:3371650.5/49

Out: 85.161+/-0.010 χ^2/NDF:3841746.3/55

All: 85.337+/-0.007 χ^2/NDF: 7213983.5/105


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.7/26
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/30
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: 49.7/57
In: 0.000+/-0.000 χ²/NDF:61.1/49
Out: -0.000+/-0.000 χ²/NDF:39.3/55
All: 0.000+/-0.000 χ²/NDF: 110.9/105

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9259951.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11249017.4/30

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

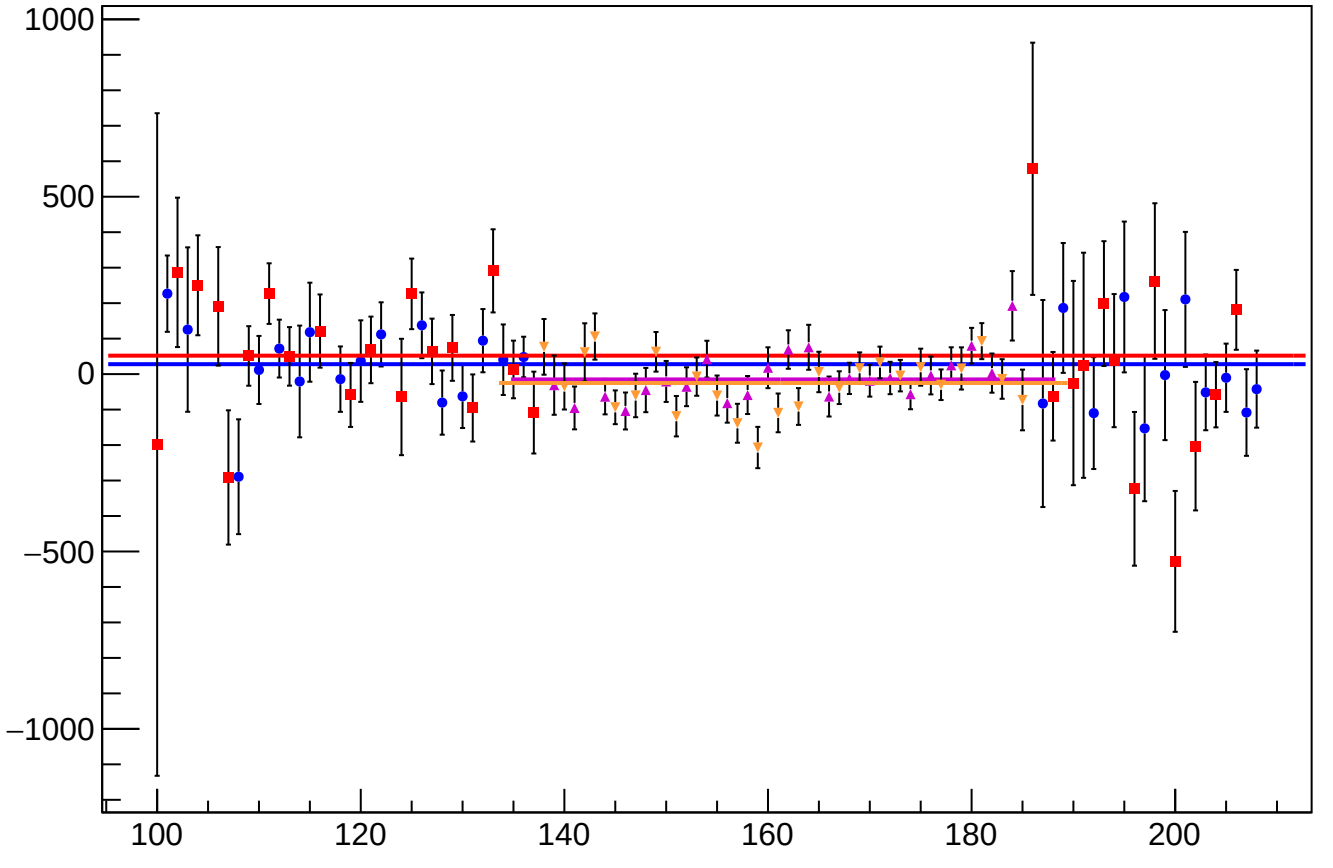
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 20515665.0/57

In: 0.000+/-0.000 χ^2/NDF:14840778.0/49

Out: 0.000+/-0.000 χ^2/NDF:16300101.1/55

All: 0.000+/-0.000 χ^2/NDF: 31141036.9/105



Right In: 27.977+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.993+/-21.683 χ^2/NDF: 46.9/30

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

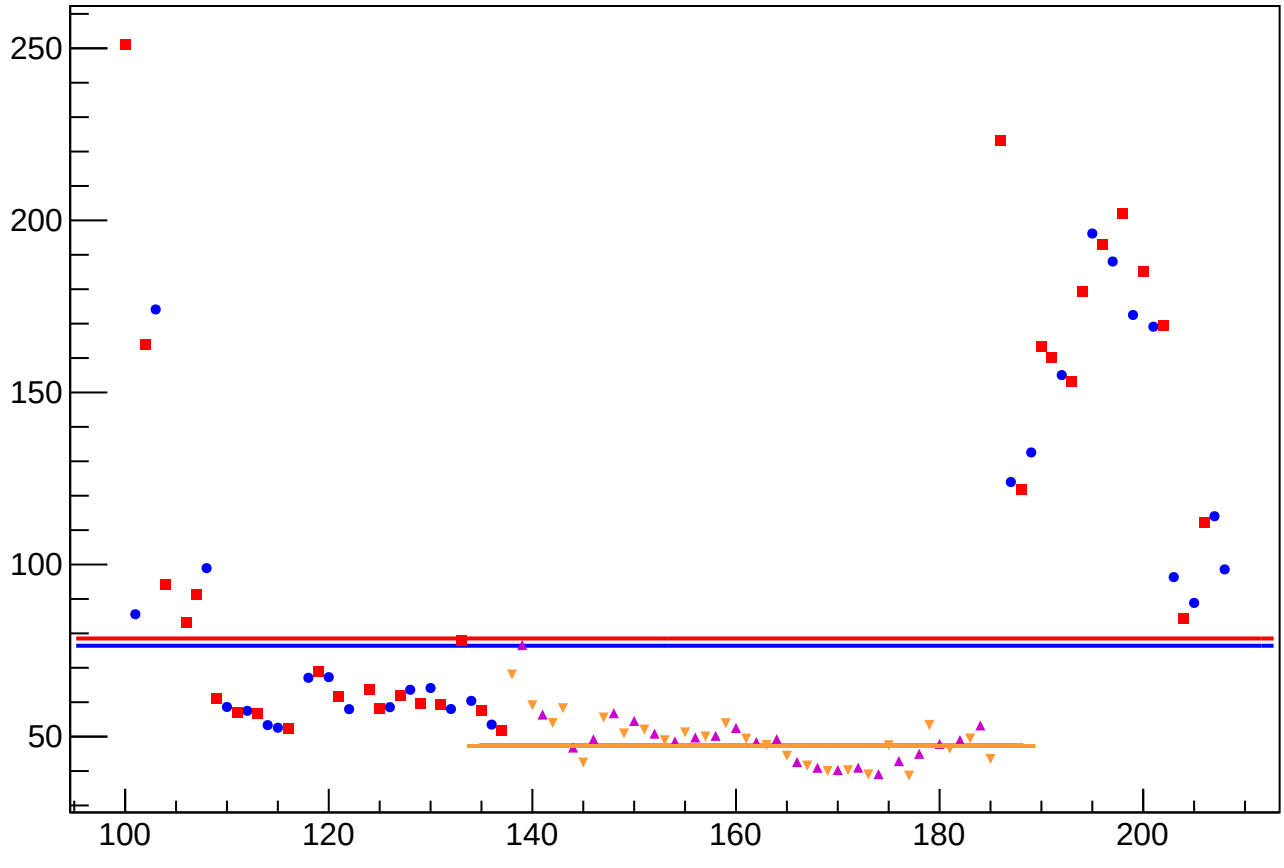
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 39.676+/-15.134 χ^2/NDF: 68.0/57

In: -5.546+/-9.908 χ^2/NDF:48.4/49

Out: -9.487+/-9.730 χ^2/NDF:100.0/55

All: -7.553+/-6.942 χ^2/NDF: 148.5/105



Right In: 76.407+/-0.015 χ^2/NDF: 4779407.5/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 78.516+/-0.015 χ^2/NDF: 5844095.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

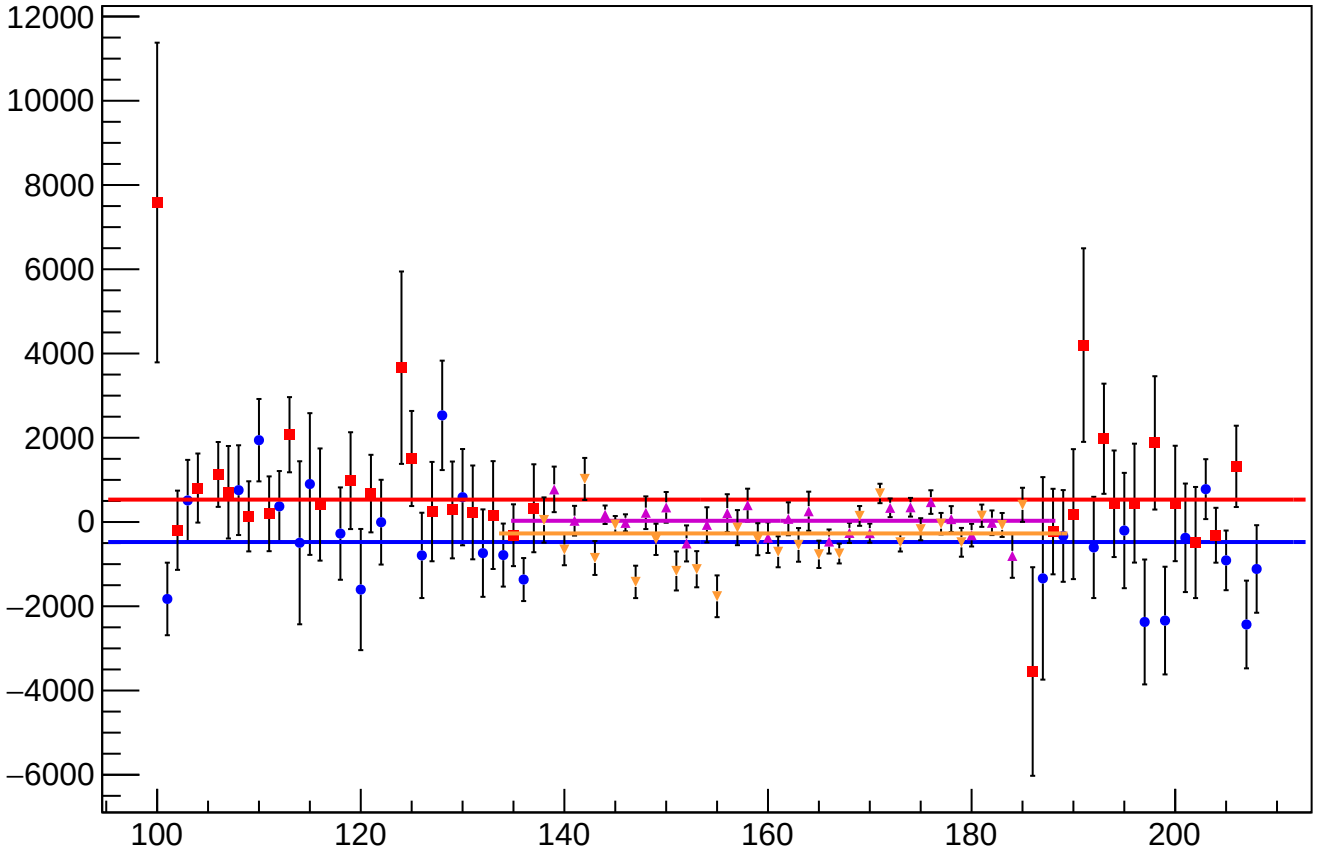
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 77.434+/-0.011 χ^2/NDF: 10633203.9/57

In: 53.797+/-0.007 χ^2/NDF:8370061.7/49

Out: 53.572+/-0.007 χ^2/NDF:9875184.8/55

All: 53.683+/-0.005 χ^2/NDF: 18245769.6/105



Right In: -475.030+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 531.916+/-193.484 χ^2/NDF: 23.4/30

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

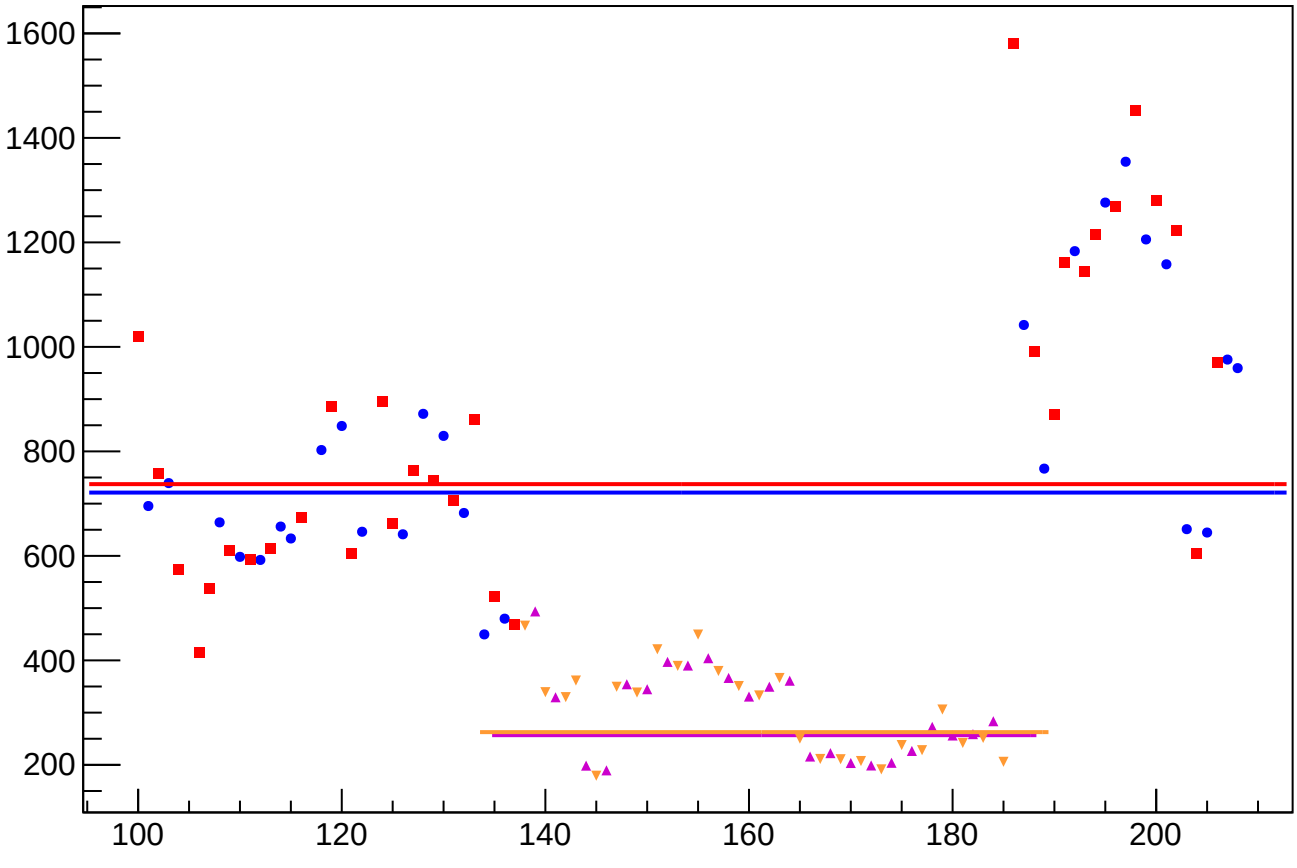
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 22.827+/-136.049 χ^2/NDF: 71.6/57

In: -19.653+/-59.557 χ^2/NDF:65.2/49

Out: -195.503+/-59.341 χ^2/NDF:112.9/55

All: -107.898+/-42.037 χ^2/NDF: 182.4/105



Right In: 721.161+/-0.135 χ^2/NDF: 2716463.3/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 737.321+/-0.137 χ^2/NDF: 3465353.3/30

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

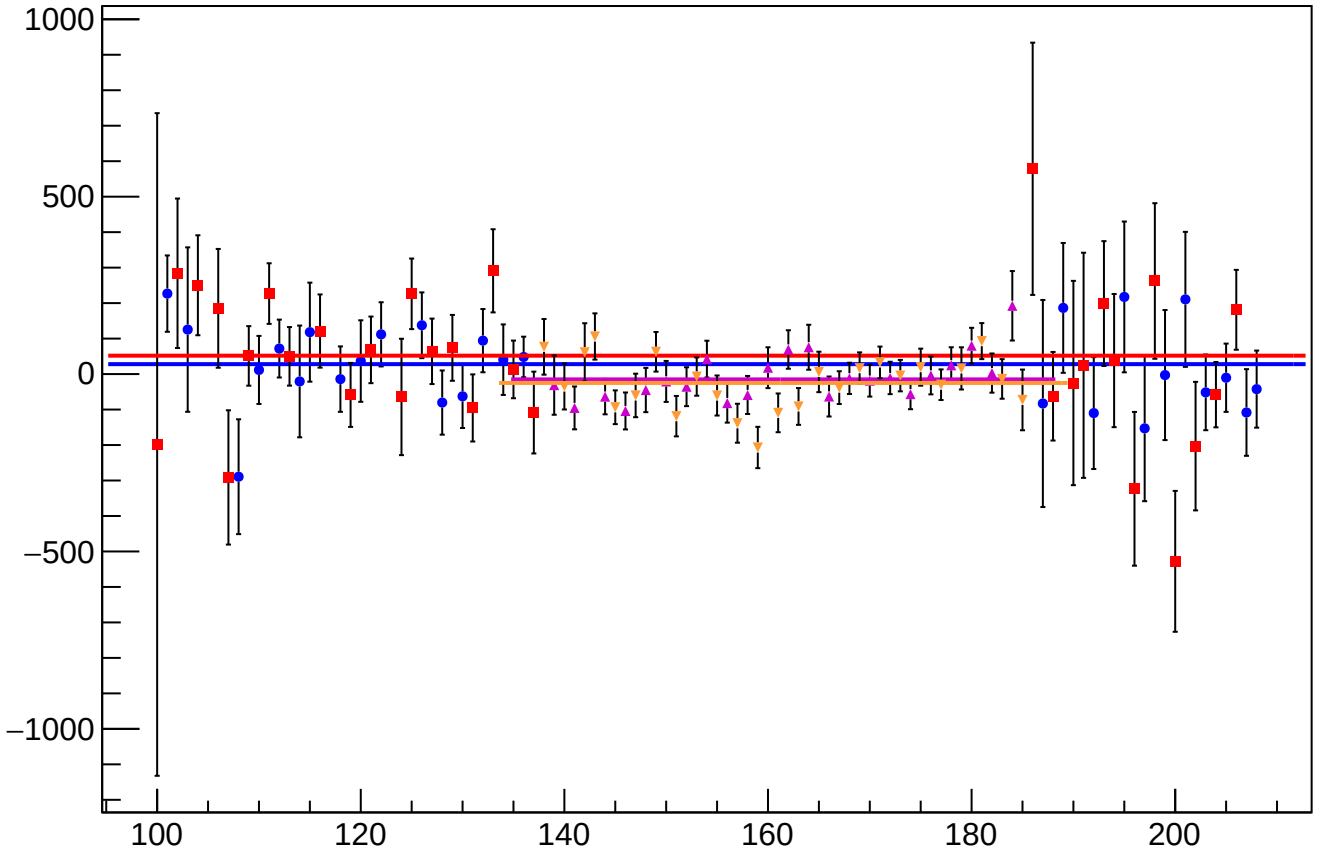
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 729.151+/-0.096 χ^2/NDF: 6188870.3/57

In: 301.829+/-0.042 χ^2/NDF:15992273.6/49

Out: 307.325+/-0.042 χ^2/NDF:17262203.9/55

All: 304.587+/-0.030 χ^2/NDF: 33263025.6/10



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.849+/-21.685 χ^2/NDF: 46.8/30

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

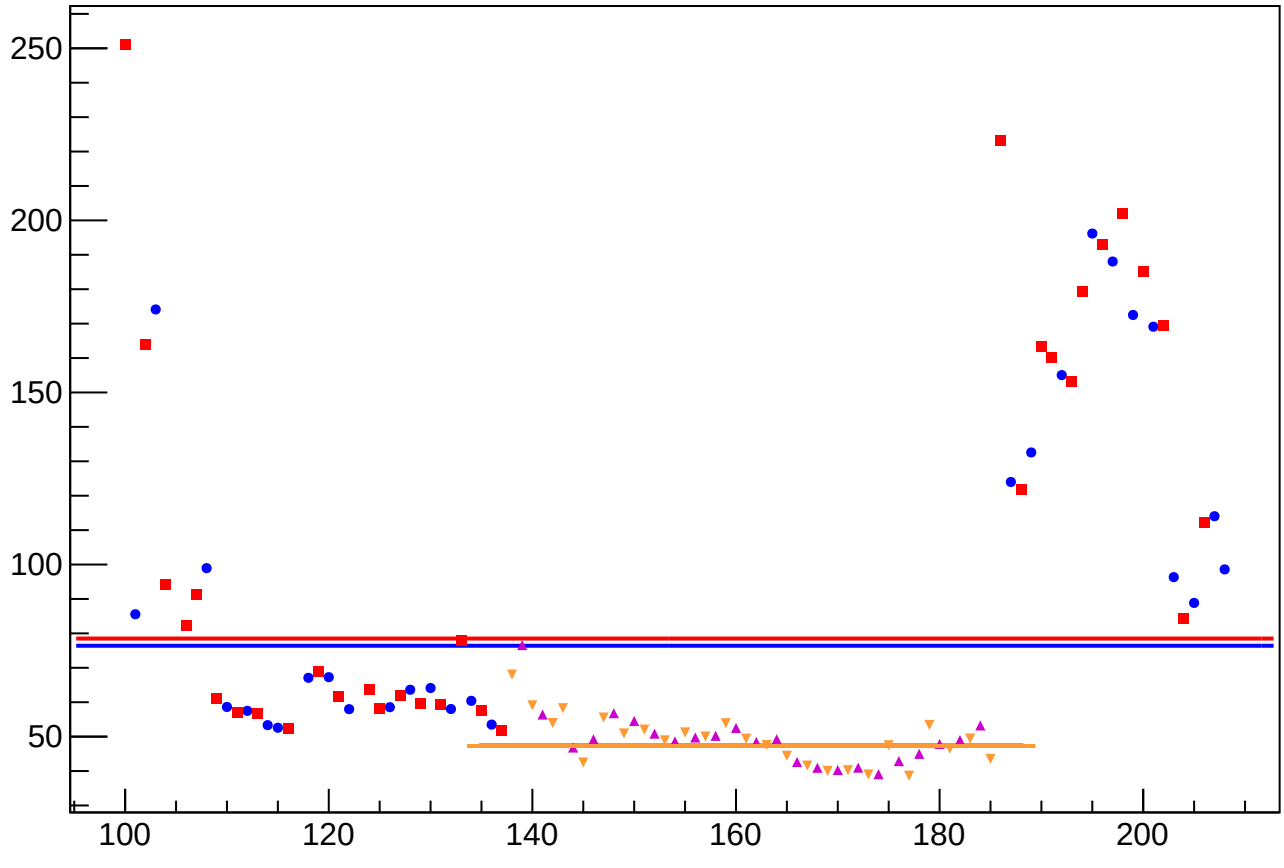
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 39.601+/-15.134 χ^2/NDF: 67.9/57

In: -5.547+/-9.908 χ^2/NDF:48.4/49

Out: -9.515+/-9.730 χ^2/NDF:99.9/55

All: -7.567+/-6.942 χ^2/NDF: 148.4/105



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

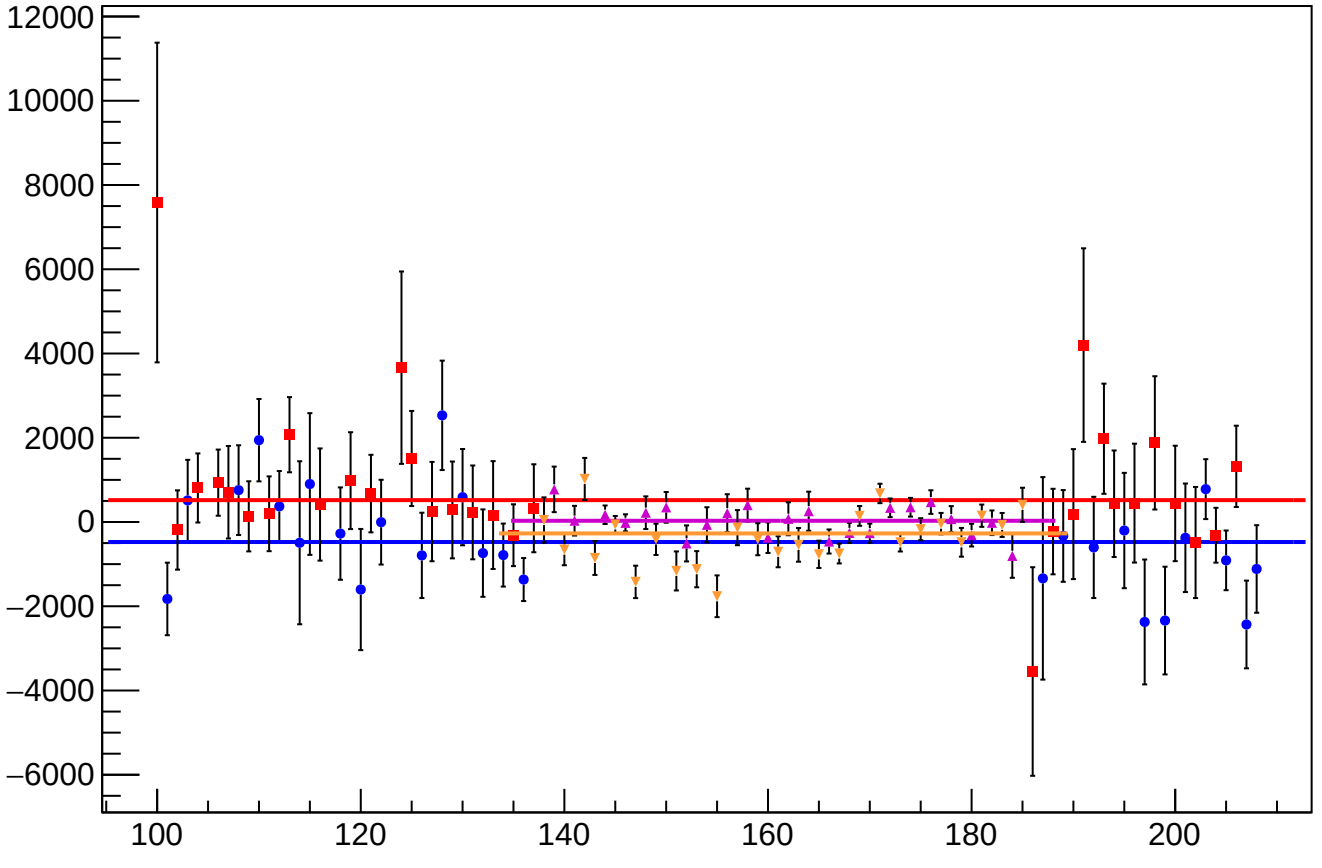
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 77.426+/-0.011 χ^2/NDF: 10632606.4/57

In: 53.797+/-0.007 χ^2/NDF:8370063.6/49

Out: 53.568+/-0.007 χ^2/NDF:9870757.0/55

All: 53.680+/-0.005 χ^2/NDF: 18241362.6/105



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 518.964+/-193.732 χ^2/NDF: 23.0/30

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

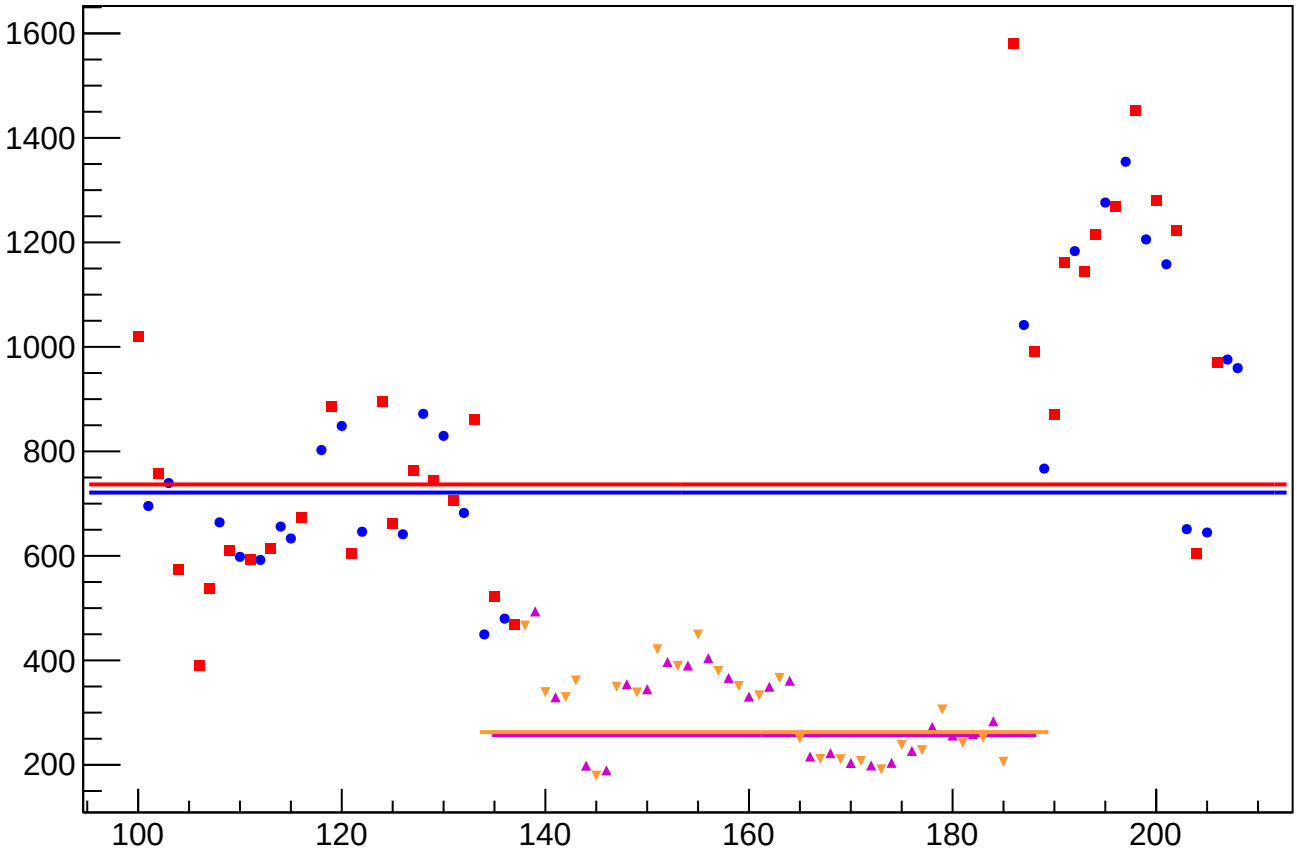
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 15.788+/-136.135 χ^2/NDF: 70.8/57

In: -19.652+/-59.557 χ^2/NDF:65.2/49

Out: -196.889+/-59.348 χ^2/NDF:112.0/55

All: -108.582+/-42.039 χ^2/NDF: 181.6/105



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

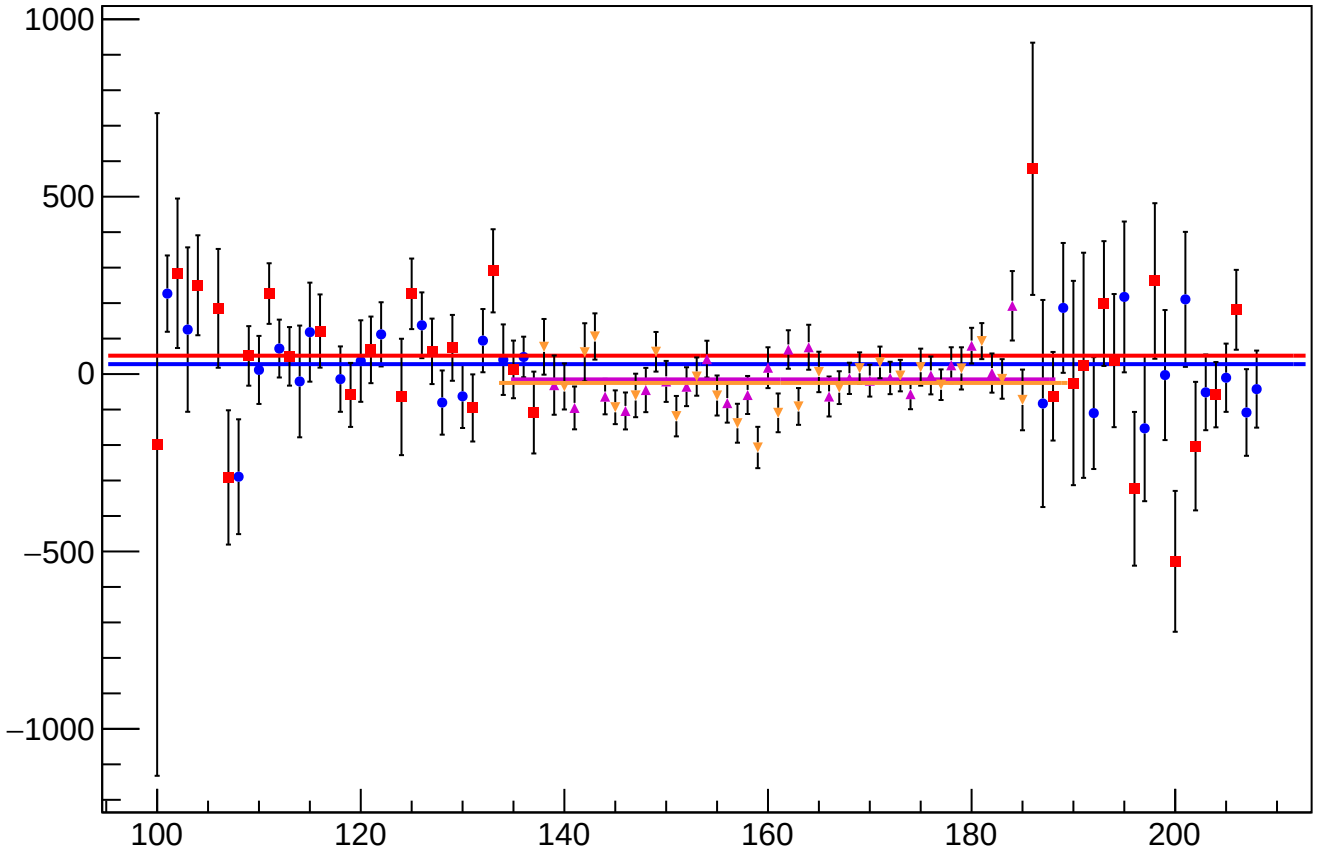
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 728.848+/-0.096 χ^2/NDF: 6225471.9/57

In: 301.829+/-0.042 χ^2/NDF:15992318.4/49

Out: 307.166+/-0.042 χ^2/NDF:17246761.8/55

All: 304.507+/-0.030 χ^2/NDF: 33247138.6/10



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.849+/-21.685 χ^2/NDF: 46.8/30

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

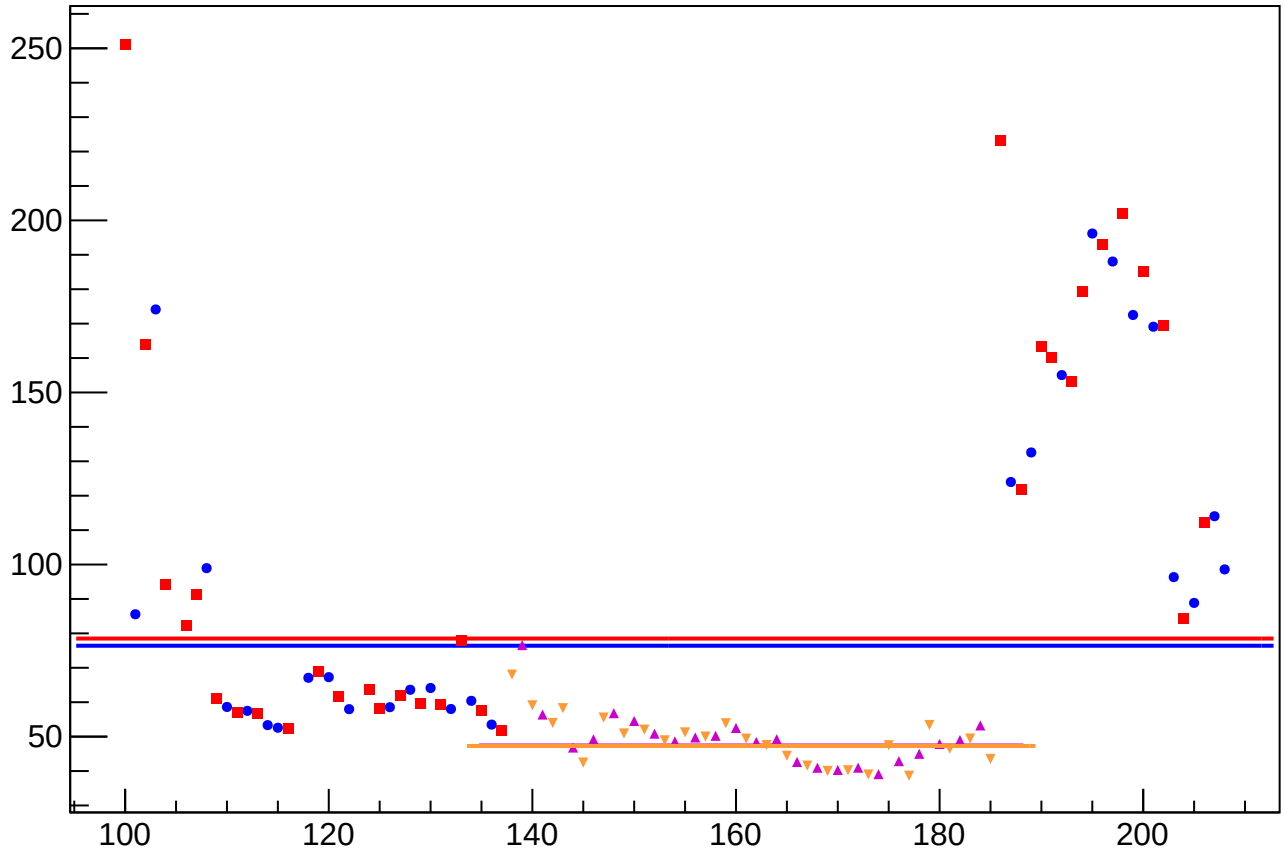
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 39.601+/-15.134 χ^2/NDF: 67.9/57

In: -5.547+/-9.908 χ^2/NDF:48.4/49

Out: -9.515+/-9.730 χ^2/NDF:99.9/55

All: -7.567+/-6.942 χ^2/NDF: 148.4/105



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

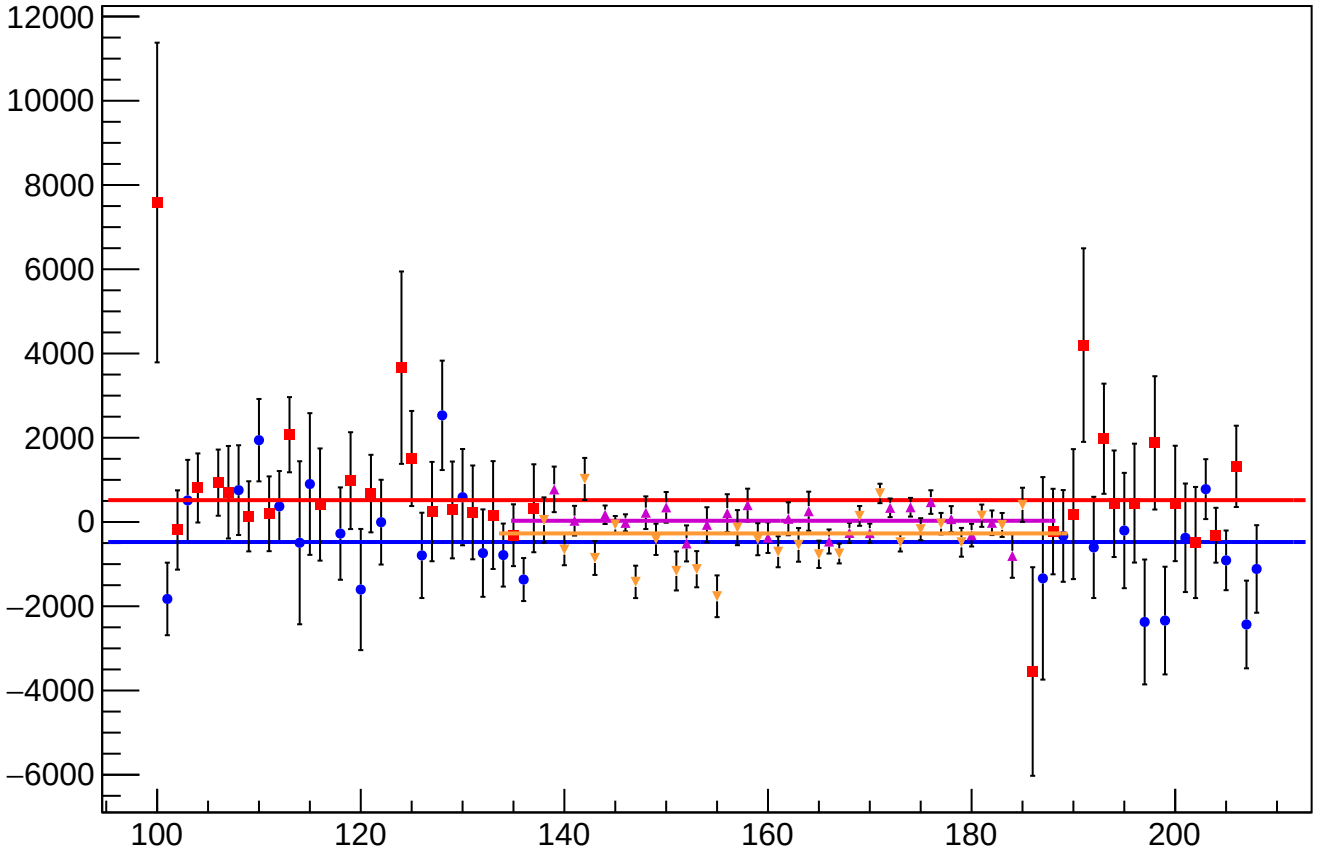
Right: 77.426+/-0.011 χ^2/NDF: 10632606.4/57

In: 53.797+/-0.007 χ^2/NDF:8370063.6/49

Out: 53.568+/-0.007 χ^2/NDF:9870757.0/55

All: 53.680+/-0.005 χ^2/NDF: 18241362.6/105

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 518.964+/-193.732 χ^2/NDF: 23.0/30

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

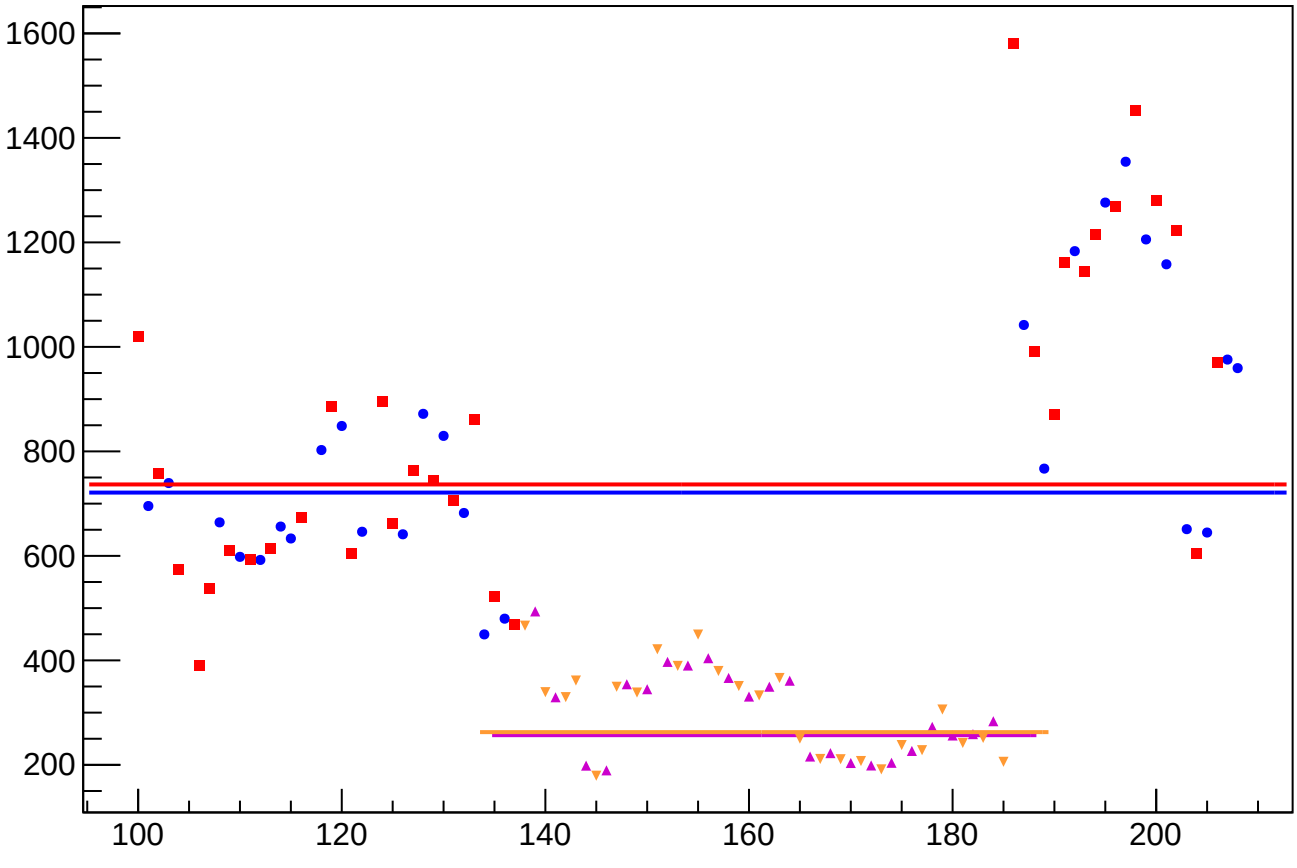
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 15.788+/-136.135 χ^2/NDF: 70.8/57

In: -19.652+/-59.557 χ^2/NDF:65.2/49

Out: -196.889+/-59.348 χ^2/NDF:112.0/55

All: -108.582+/-42.039 χ^2/NDF: 181.6/105



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

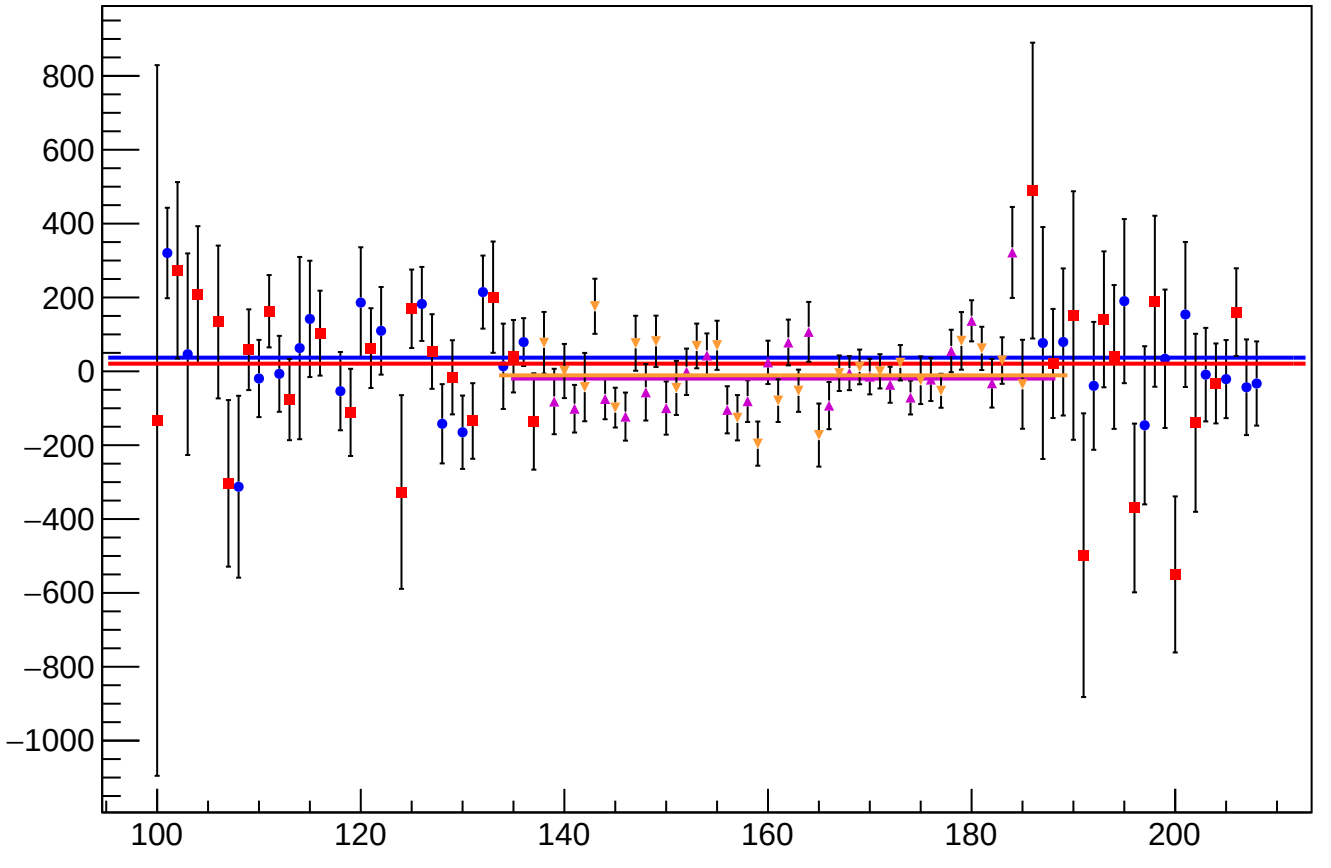
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 728.848+/-0.096 χ^2/NDF: 6225471.9/57

In: 301.829+/-0.042 χ^2/NDF:15992318.4/49

Out: 307.166+/-0.042 χ^2/NDF:17246761.8/55

All: 304.507+/-0.030 χ^2/NDF: 33247138.6/10



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 20.720+/-25.370 χ^2/NDF: 35.2/30

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

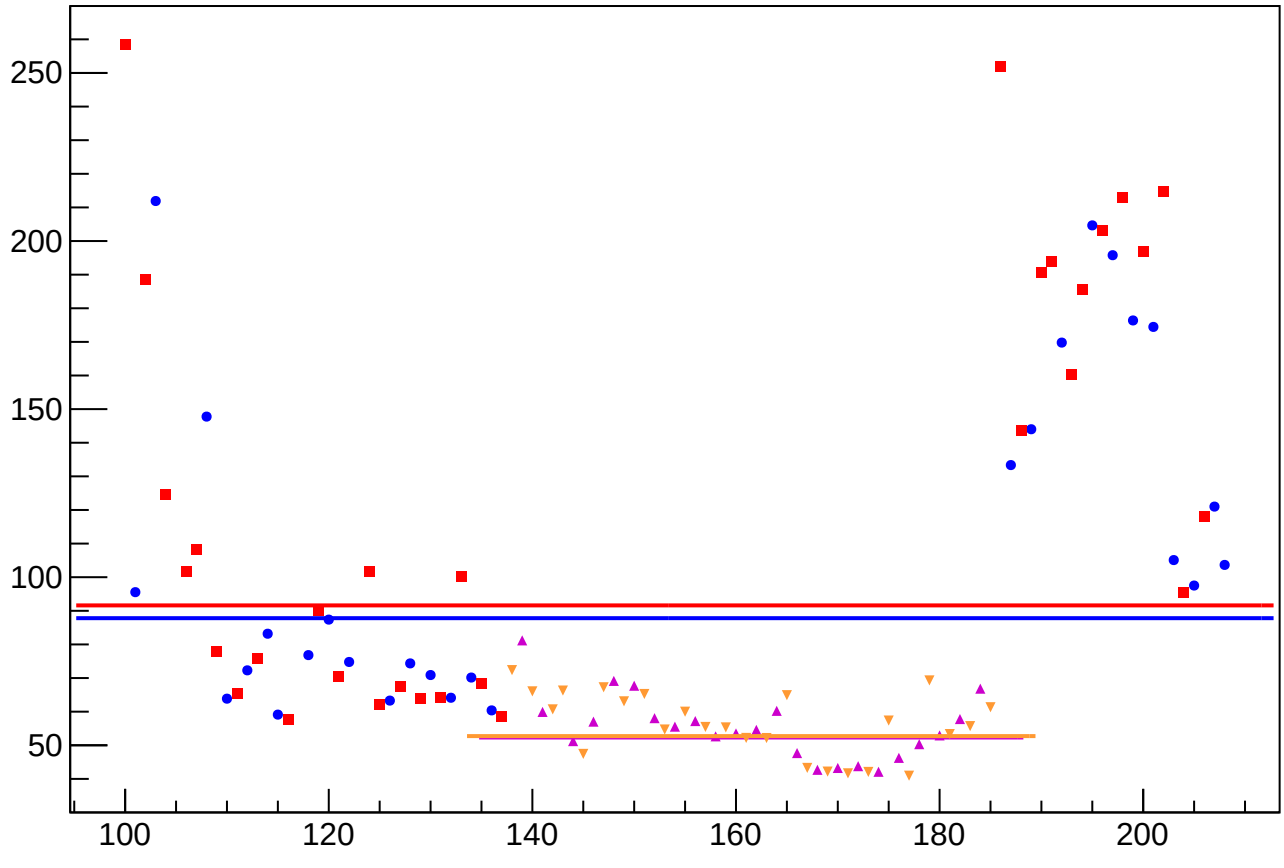
Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

Right: 29.237+/-17.529 χ^2/NDF: 61.5/57

In: -7.643+/-11.143 χ^2/NDF:67.2/49

Out: -4.815+/-11.072 χ^2/NDF:76.8/55

All: -6.220+/-7.854 χ^2/NDF: 144.0/105



Right In: 87.811+/-0.017 χ^2/NDF: 4304129.9/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 91.612+/-0.018 χ^2/NDF: 5527425.2/30

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

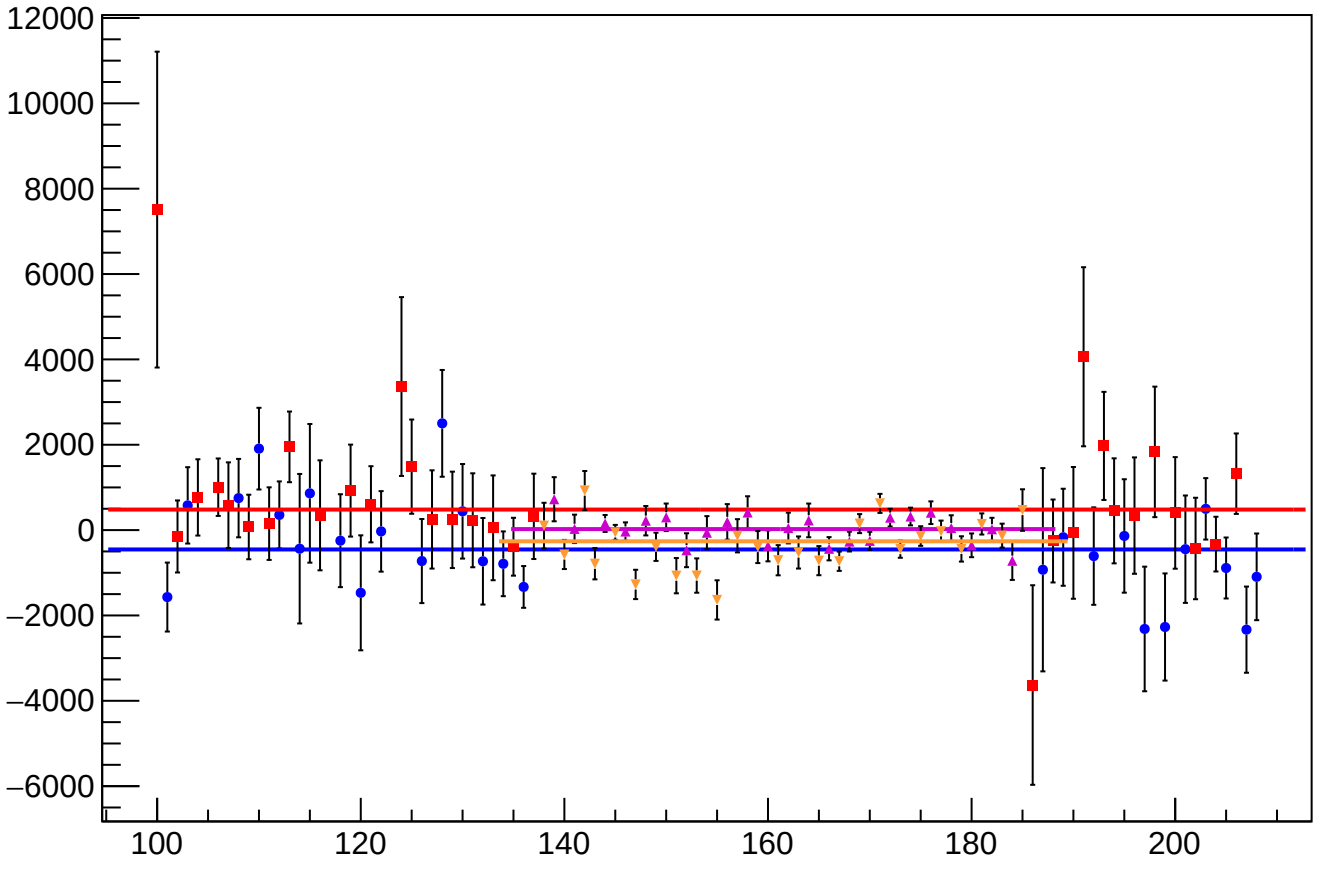
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 89.626+/-0.012 χ^2/NDF: 9855010.6/57

In: 59.809+/-0.008 χ^2/NDF:8576998.8/49

Out: 60.136+/-0.008 χ^2/NDF:10497258.0/55

All: 59.974+/-0.006 χ^2/NDF: 19075123.1/105



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 481.063+/-184.175 χ^2/NDF: 25.2/30

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

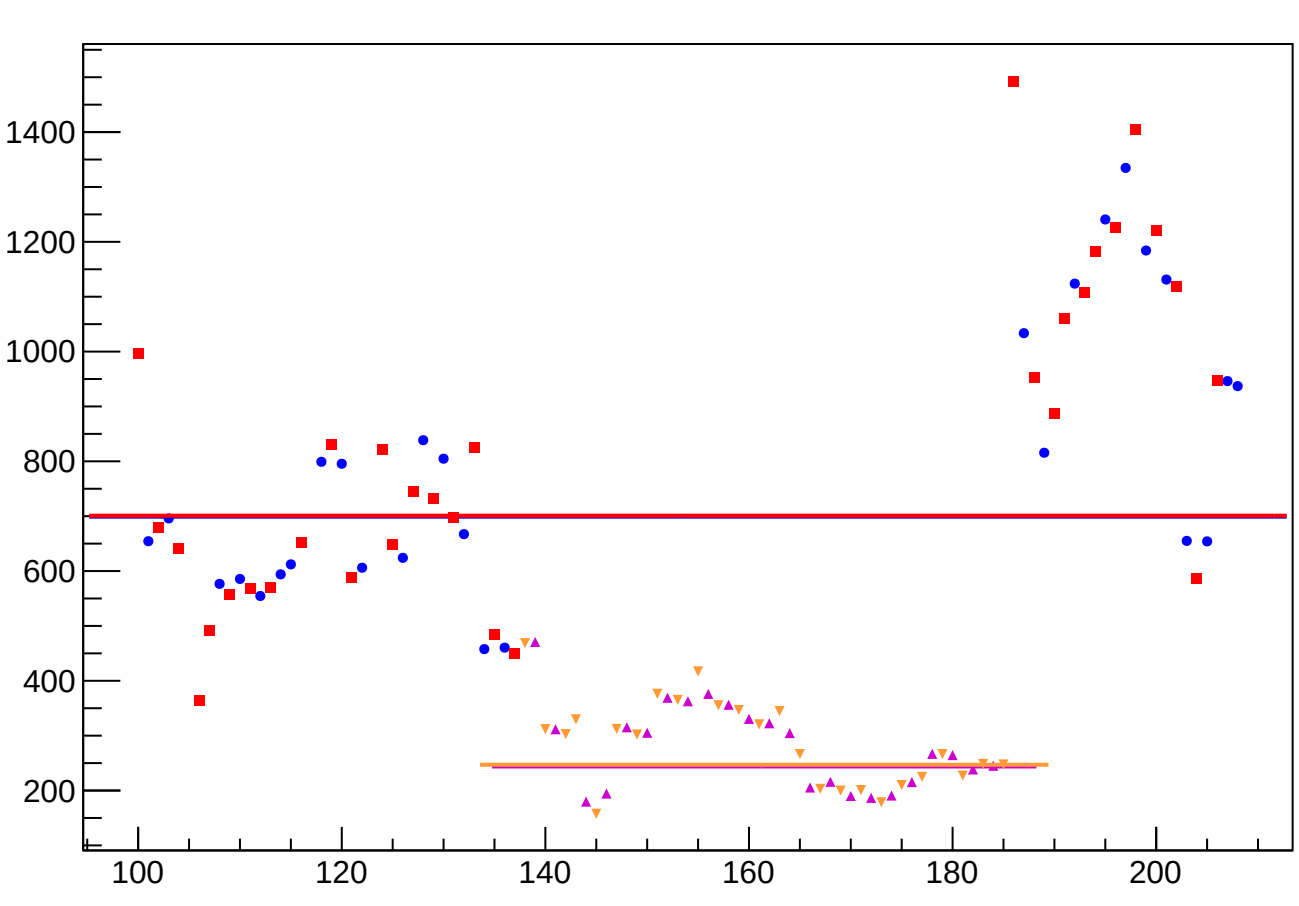
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 16.517+/-130.620 χ^2/NDF: 71.2/57

In: -20.992+/-56.561 χ^2/NDF:63.4/49

Out: -194.429+/-55.756 χ^2/NDF:112.2/55

All: -108.954+/-39.707 χ^2/NDF: 180.4/105



Right In: 699.138+/-0.131 χ^2/NDF: 2760281.1/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663919.7/30

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

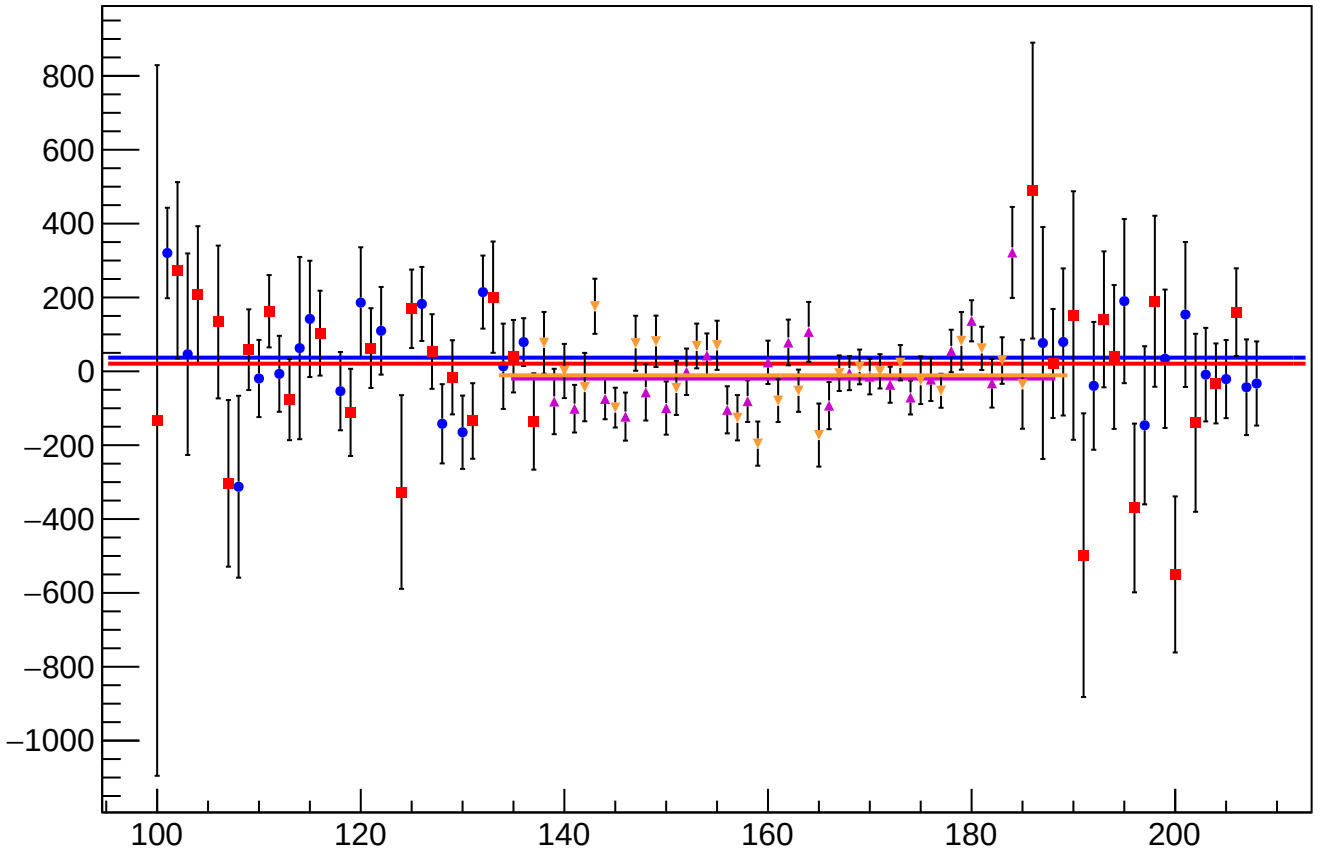
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 700.035+/-0.092 χ^2/NDF: 6424294.1/57

In: 286.258+/-0.040 χ^2/NDF:16203395.3/49

Out: 288.596+/-0.039 χ^2/NDF:17625170.8/55

All: 287.444+/-0.028 χ^2/NDF: 33830300.2/10



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 20.719+/-25.370 χ^2/NDF: 35.2/30

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

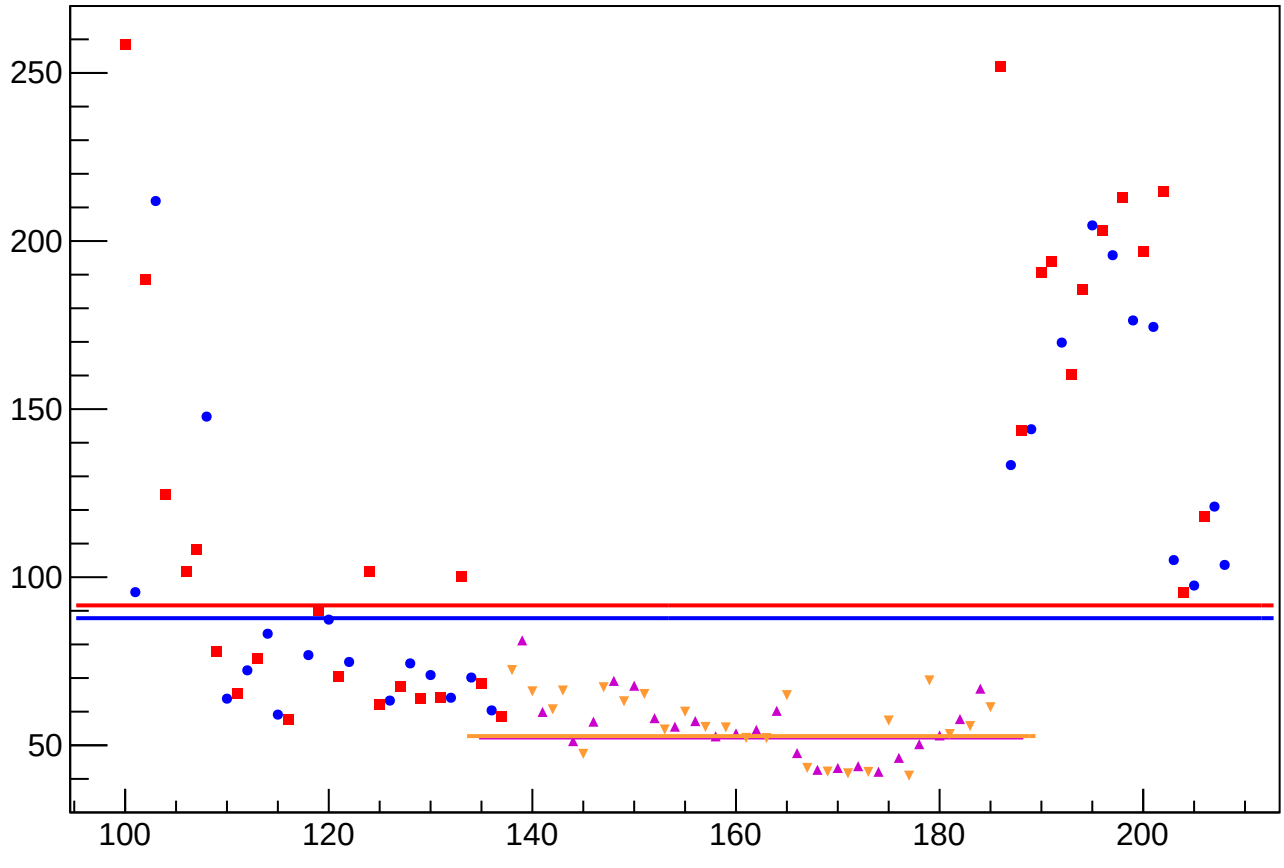
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 29.236+/-17.529 χ^2/NDF: 61.5/57

In: -7.643+/-11.143 χ^2/NDF:67.2/49

Out: -4.815+/-11.072 χ^2/NDF:76.8/55

All: -6.220+/-7.854 χ^2/NDF: 144.0/105



Right In: 87.811+/-0.017 χ^2/NDF: 4304154.1/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 91.612+/-0.018 χ^2/NDF: 5527427.5/30

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

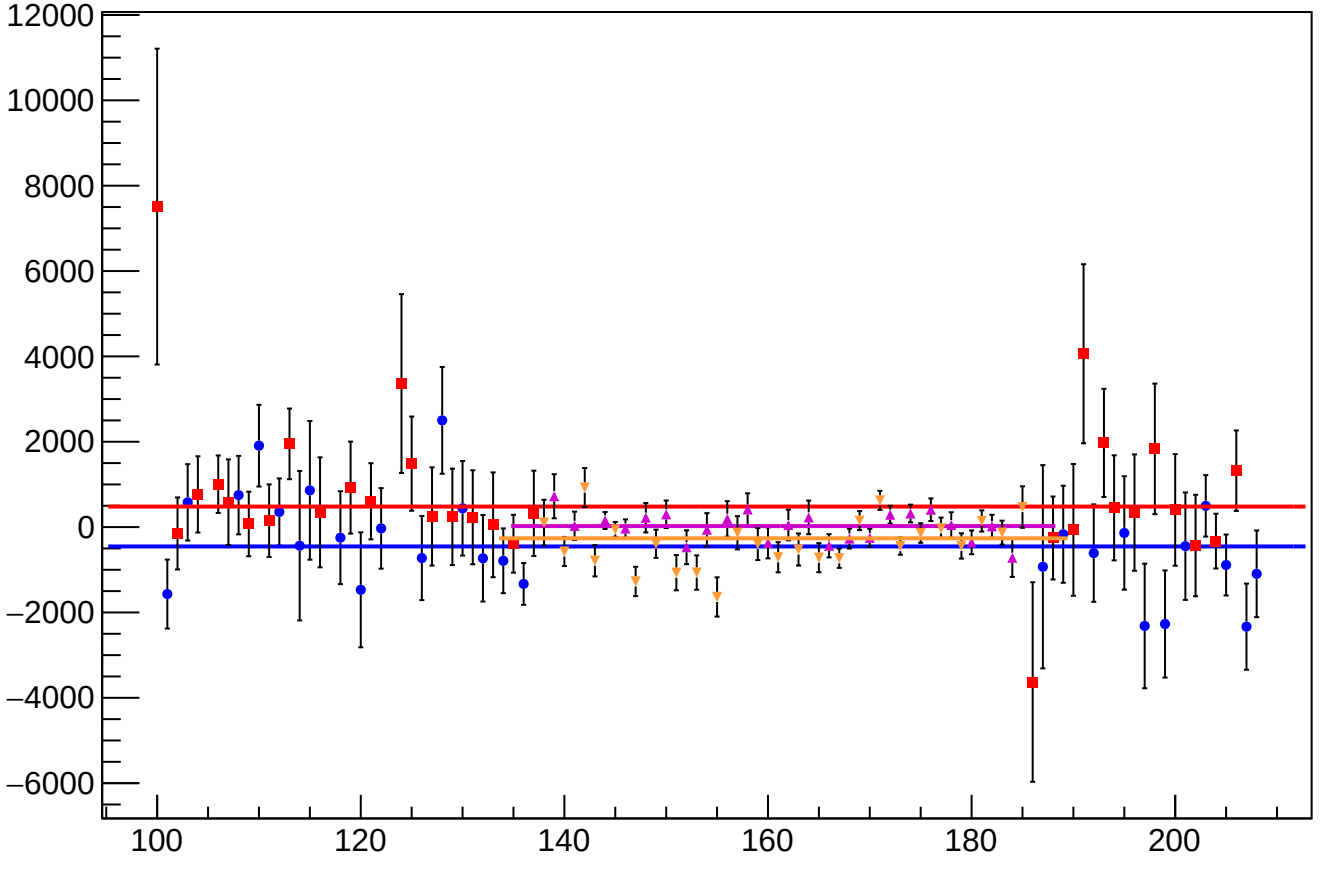
Right: 89.626+/-0.012 χ^2/NDF: 9855038.1/57

In: 59.810+/-0.008 χ^2/NDF:8576996.3/49

Out: 60.137+/-0.008 χ^2/NDF:10497261.8/55

All: 59.974+/-0.006 χ^2/NDF: 19075124.5/105

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 481.063+/-184.175 χ^2/NDF: 25.2/30

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

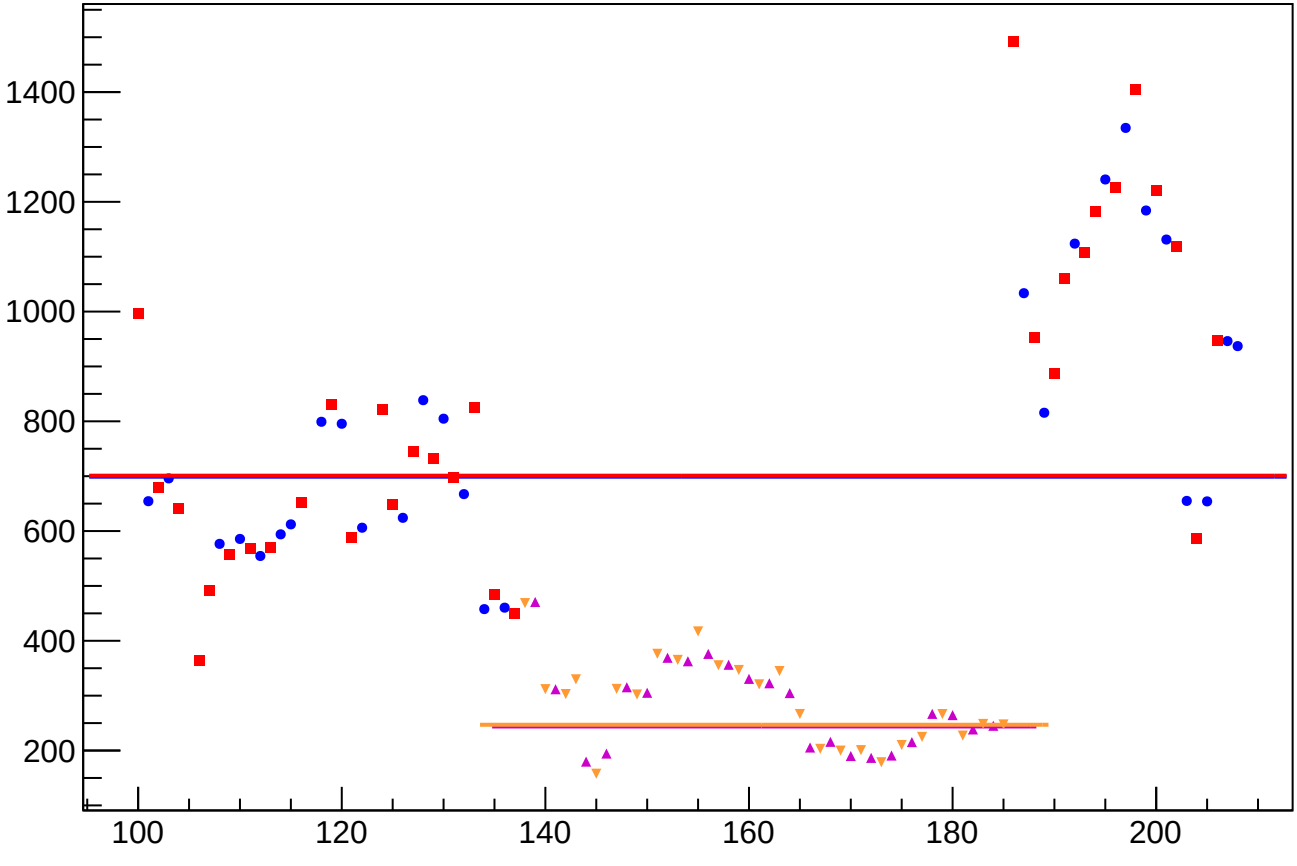
Right: 16.517+/-130.620 χ^2/NDF: 71.2/57

In: -20.992+/-56.561 χ^2/NDF:63.4/49

Out: -194.429+/-55.756 χ^2/NDF:112.2/55

All: -108.955+/-39.707 χ^2/NDF: 180.4/105

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.138+/-0.131 χ^2/NDF: 2760267.7/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663911.1/30

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

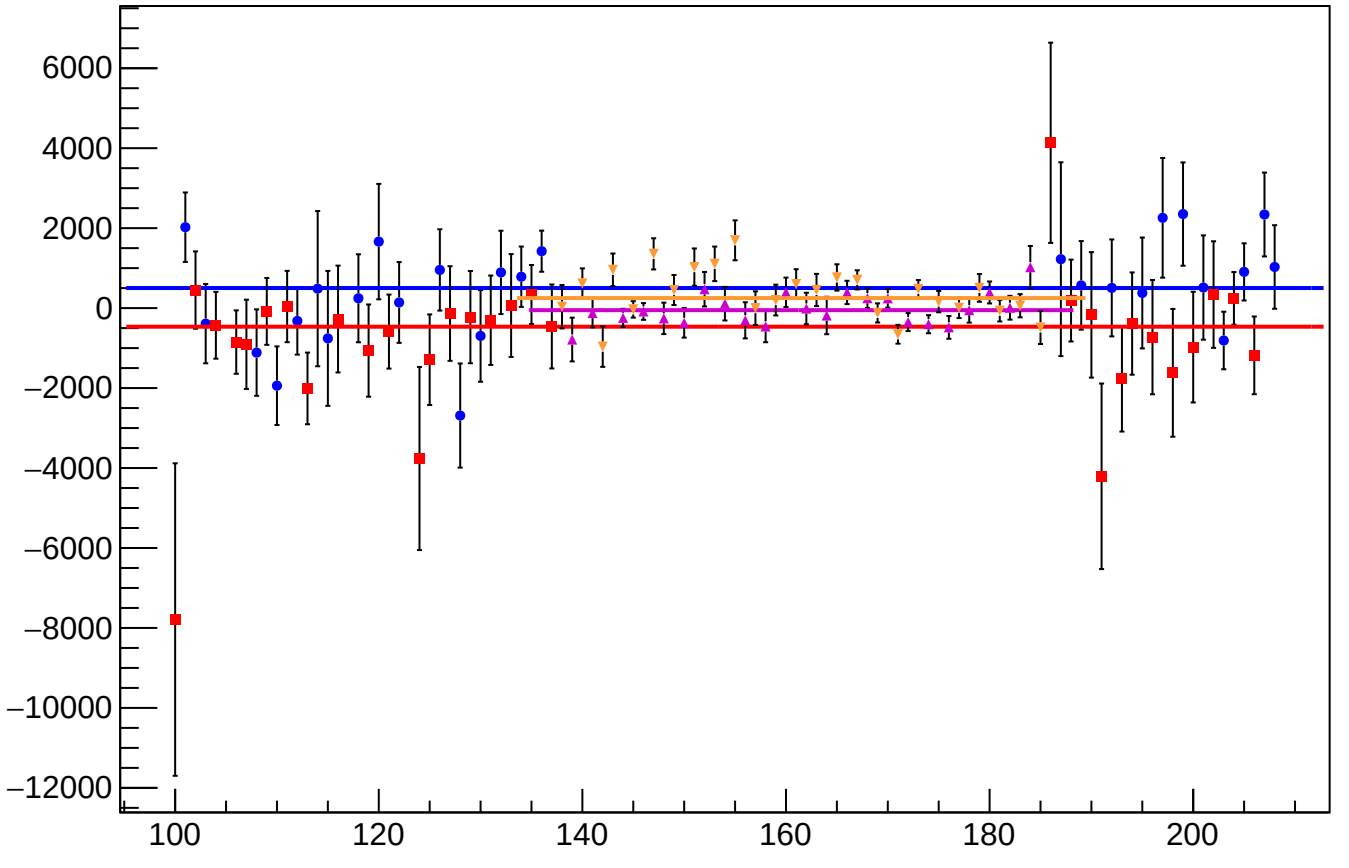
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 700.035+/-0.092 χ^2/NDF: 6424272.0/57

In: 286.257+/-0.040 χ^2/NDF:16203396.7/49

Out: 288.596+/-0.039 χ^2/NDF:17625151.5/55

All: 287.444+/-0.028 χ^2/NDF: 33830282.5/10



Right In: 502.247+/-192.999 χ^2/NDF: 35.9/26

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -465.043+/-195.462 χ^2/NDF: 22.9/30

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

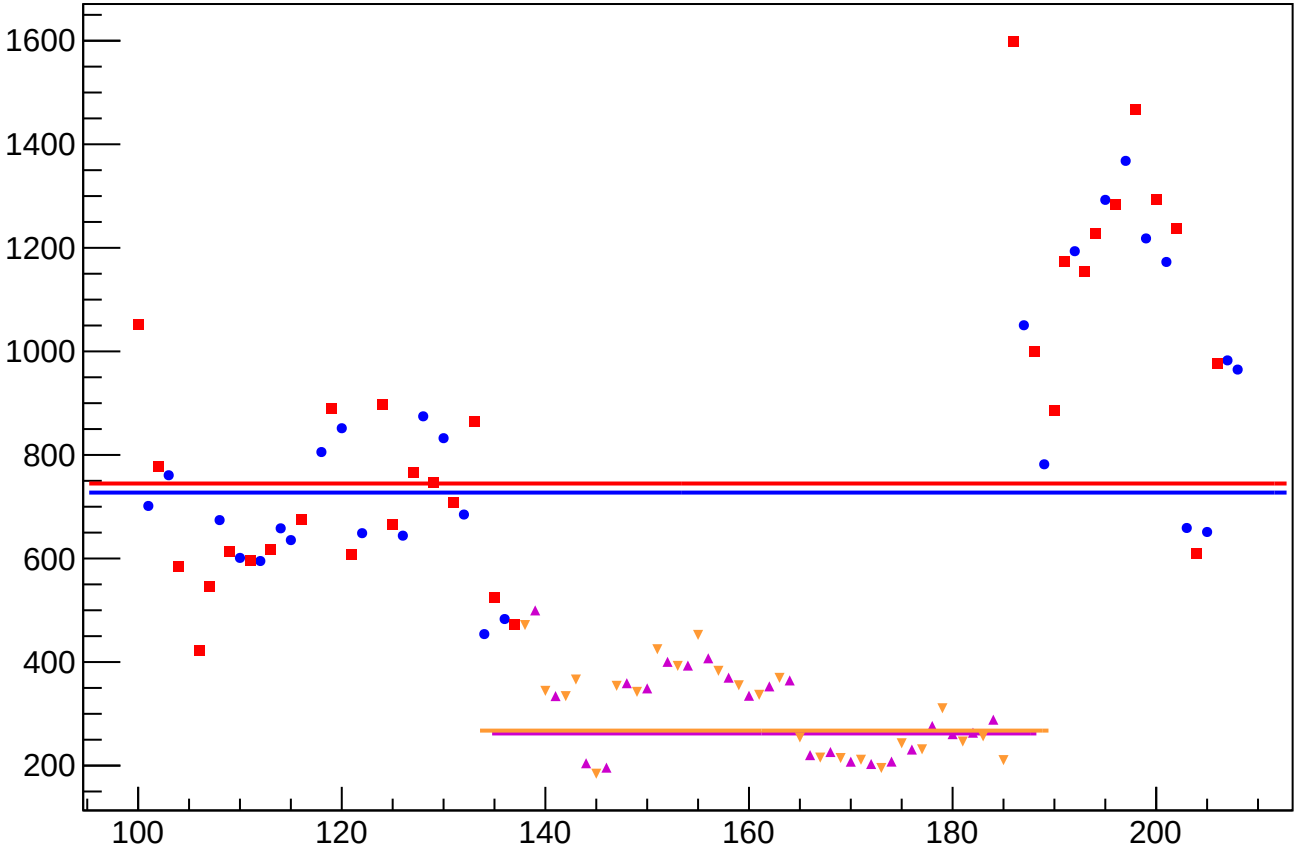
Right: 24.737+/-137.333 χ^2/NDF: 71.2/57

In: 2.931+/-60.613 χ^2/NDF:70.1/49

Out: 182.890+/-60.327 χ^2/NDF:102.5/55

All: 93.336+/-42.758 χ^2/NDF: 177.1/105

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 727.308+/-0.136 χ^2/NDF: 2728721.1/26

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 744.815+/-0.138 χ^2/NDF: 3455284.5/30

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

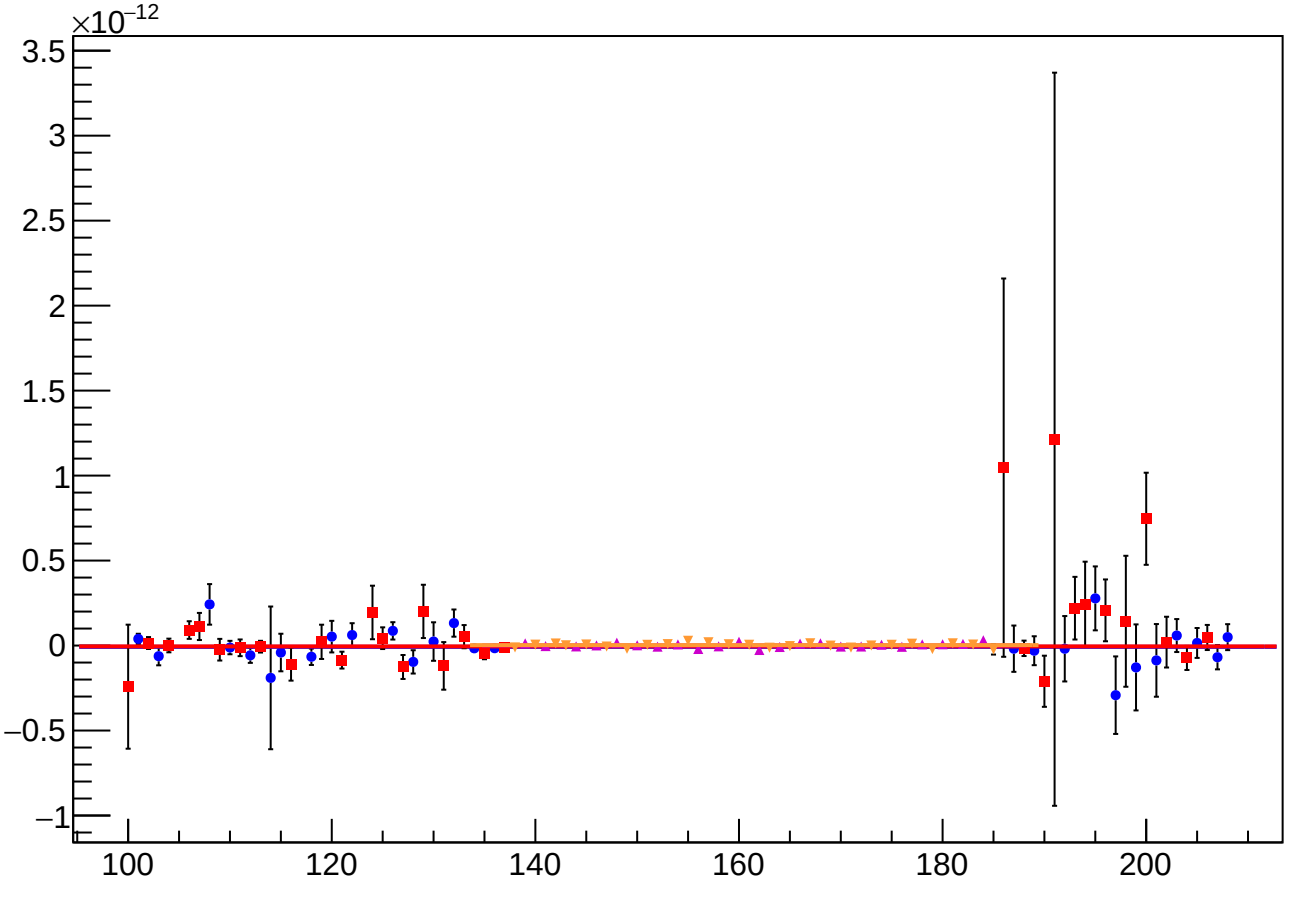
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 735.950+/-0.097 χ^2/NDF: 6192129.8/57

In: 307.978+/-0.043 χ^2/NDF:15740637.1/49

Out: 313.048+/-0.043 χ^2/NDF:17043139.5/55

All: 310.525+/-0.030 χ^2/NDF: 32790808.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/30

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

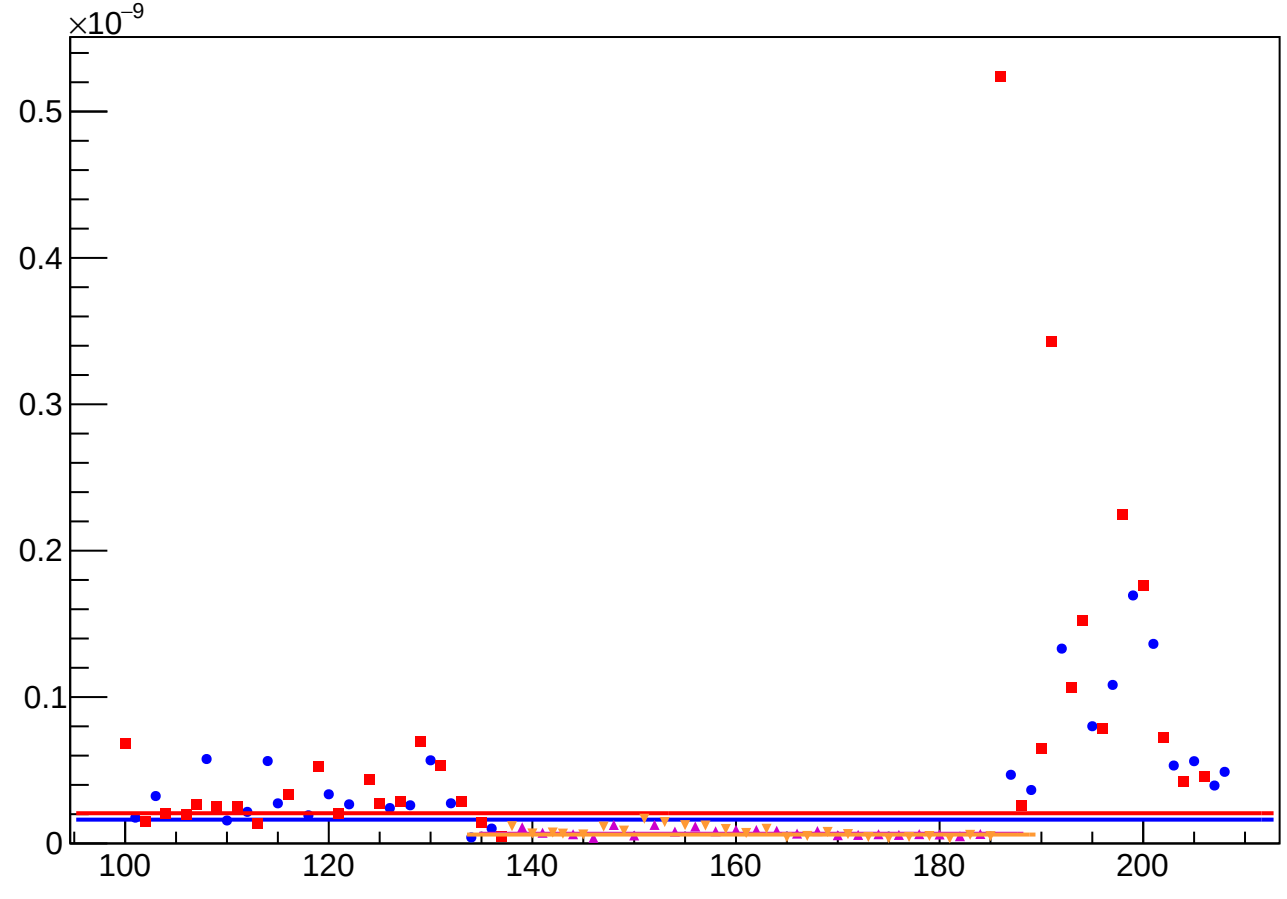
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 63.4/57

In: 0.000+/-0.000 χ^2/NDF:40.2/49

Out: 0.000+/-0.000 χ^2/NDF:51.9/55

All: 0.000+/-0.000 χ^2/NDF: 92.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 6455880.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5559070.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

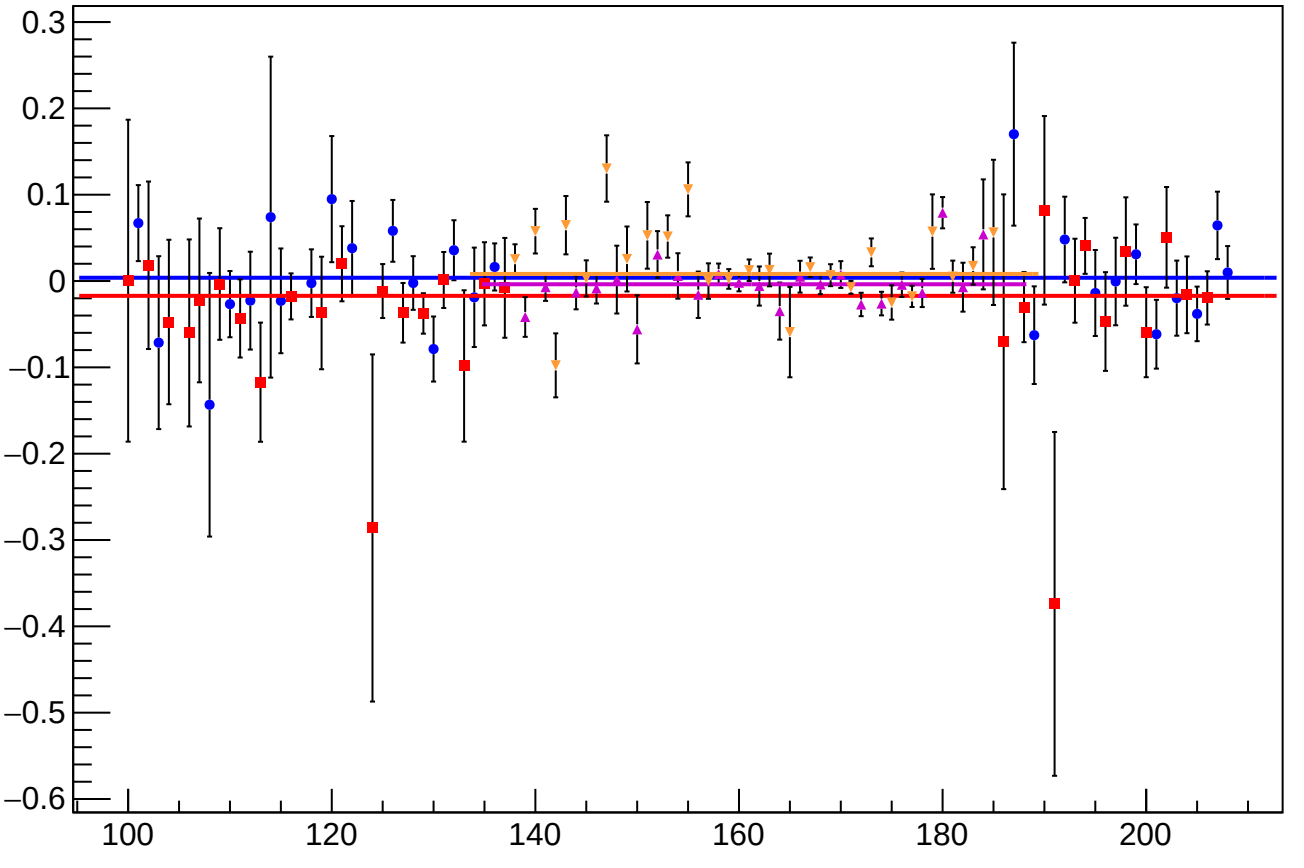
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12208985.5/57

In: 0.000+/-0.000 χ^2/NDF:9729396.8/49

Out: 0.000+/-0.000 χ^2/NDF:11433344.3/55

All: 0.000+/-0.000 χ^2/NDF: 21224840.4/105



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

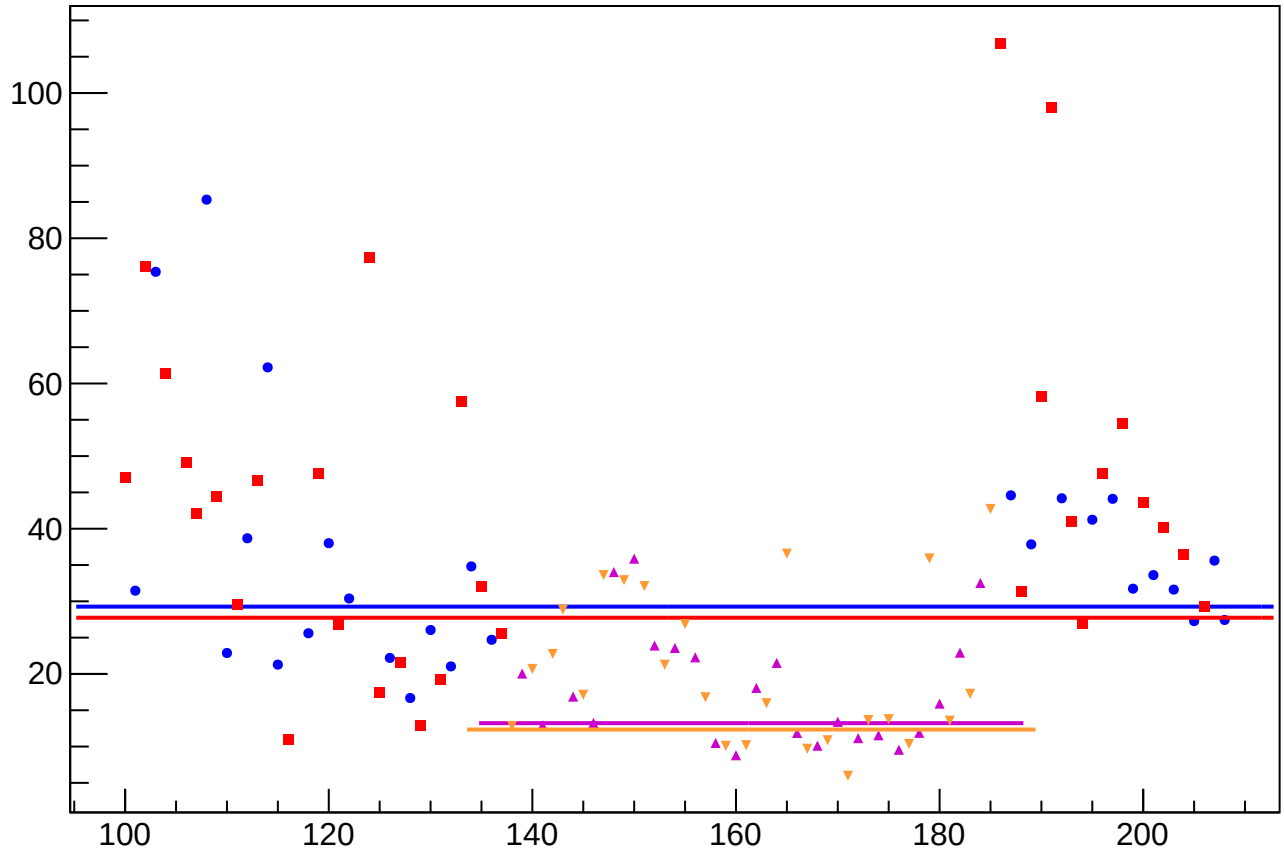
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.006 χ^2/NDF: 49.2/57

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.9/105



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

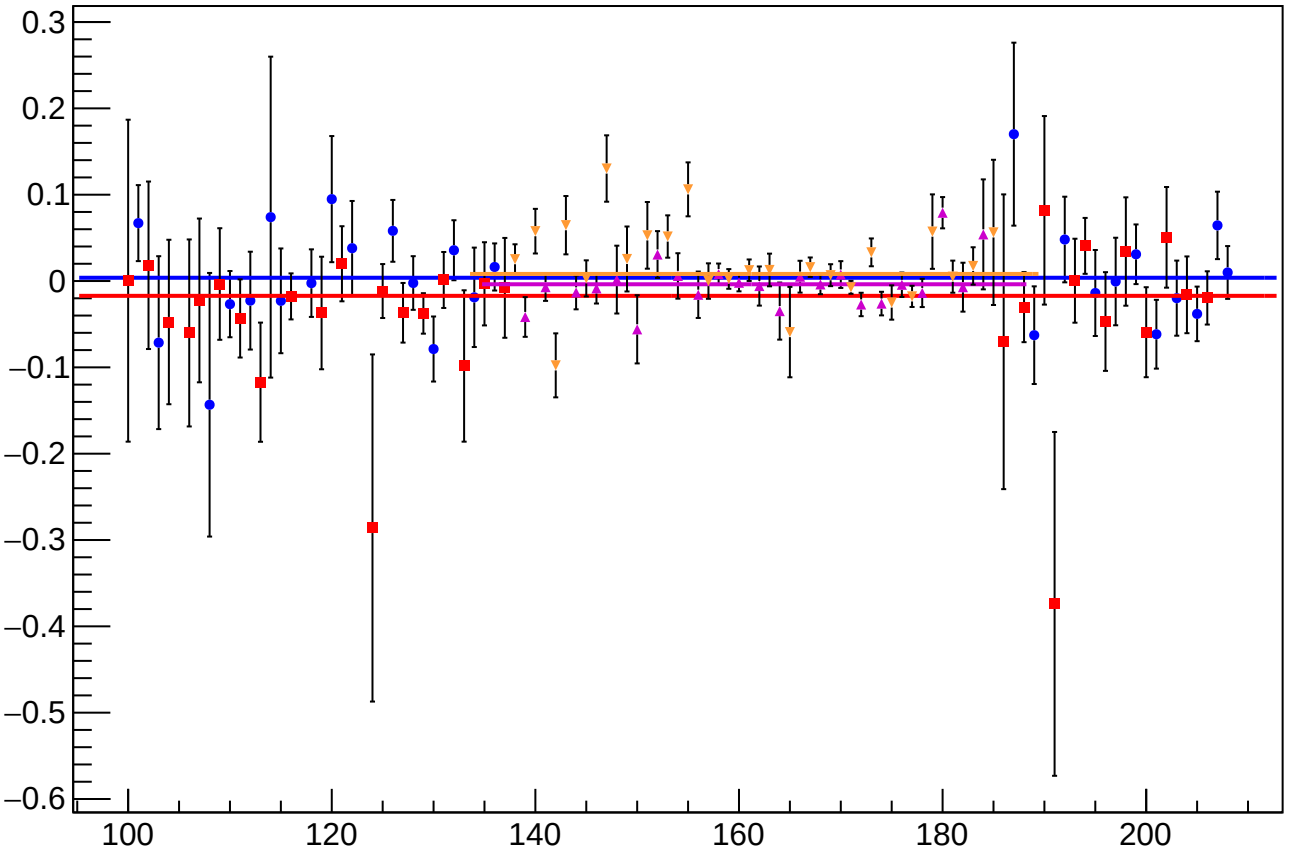
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.518+/-0.004 χ^2/NDF: 7971821.9/57

In: 15.794+/-0.002 χ^2/NDF:12337143.9/49

Out: 14.543+/-0.002 χ^2/NDF:18138609.7/55

All: 15.143+/-0.002 χ^2/NDF: 30622502.7/105



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

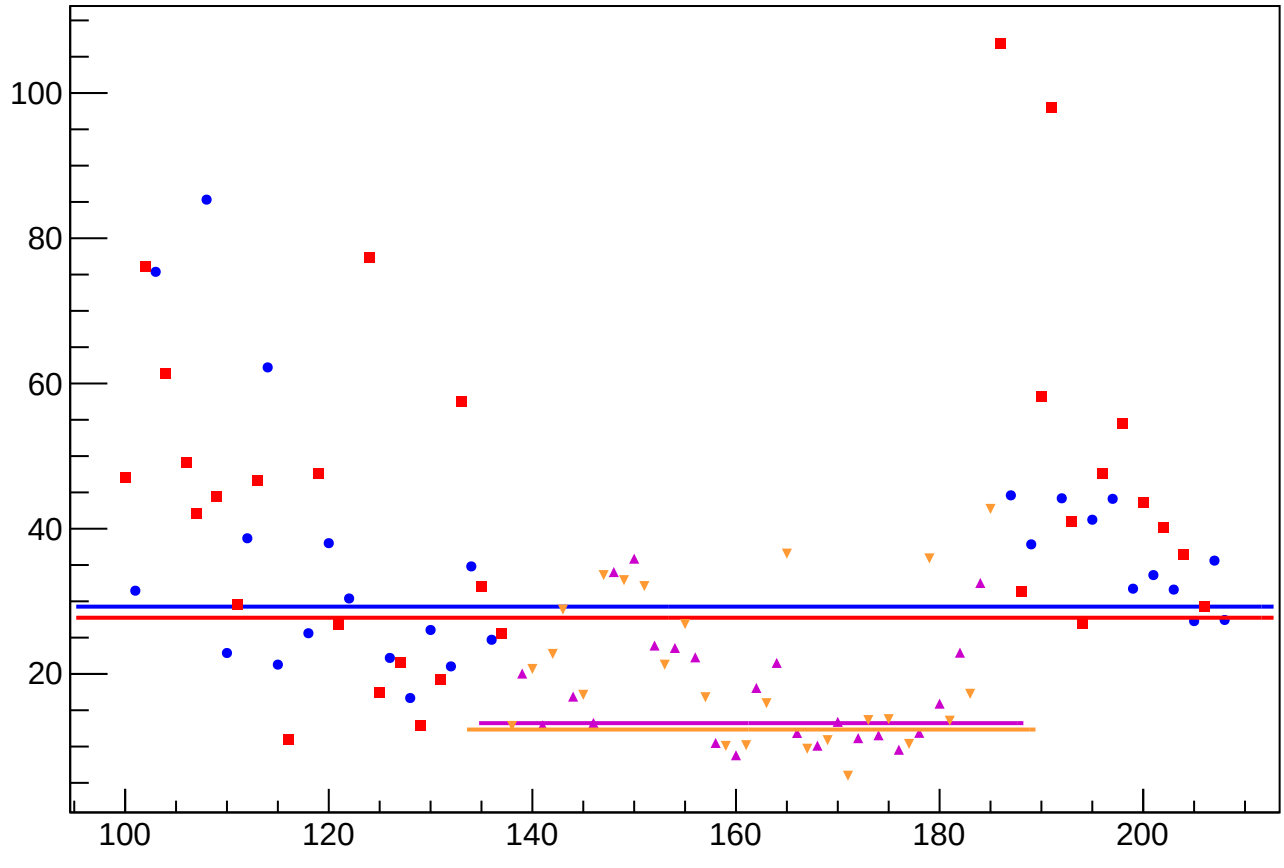
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.006 χ^2/NDF: 49.2/57

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.9/105



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

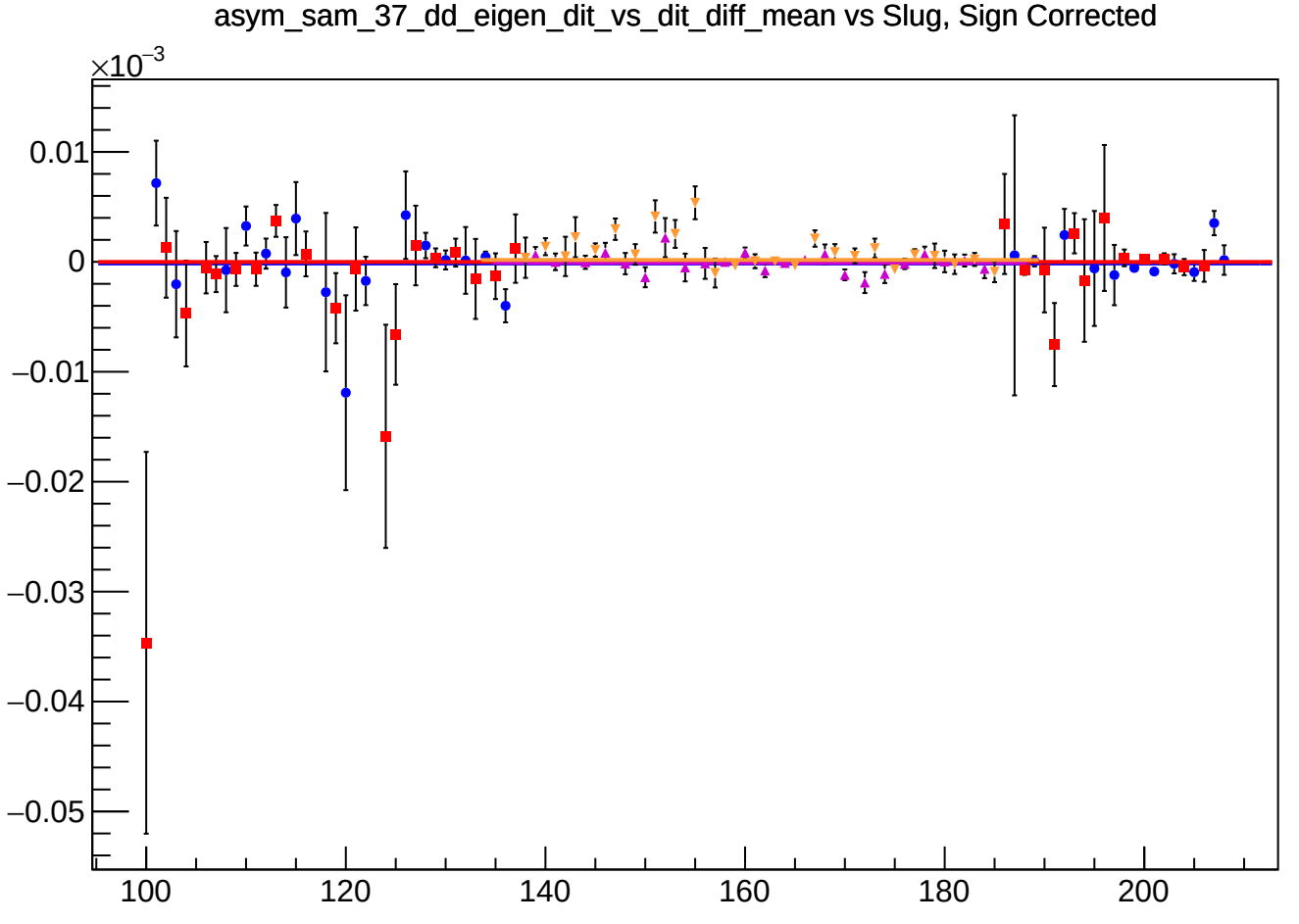
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.518+/-0.004 χ^2/NDF: 7971821.9/57

In: 15.794+/-0.002 χ^2/NDF:12337143.9/49

Out: 14.543+/-0.002 χ^2/NDF:18138609.7/55

All: 15.143+/-0.002 χ^2/NDF: 30622502.7/105



Right In: -0.000+/-0.000 χ^2/NDF: 41.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/30

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

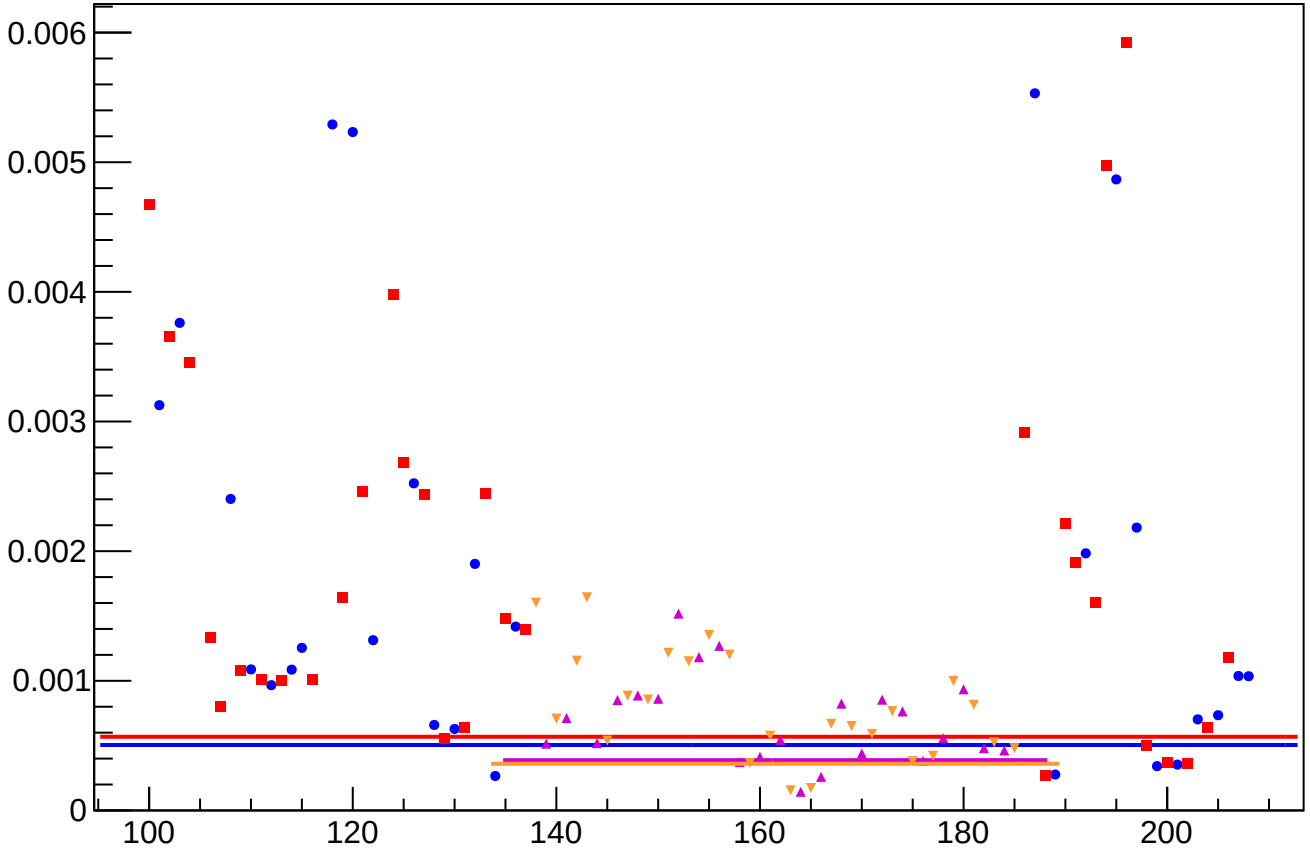
Right: -0.000+/-0.000 χ^2/NDF: 73.2/57

In: -0.000+/-0.000 χ^2/NDF:66.2/49

Out: 0.000+/-0.000 χ^2/NDF:93.4/55

All: 0.000+/-0.000 χ^2/NDF: 162.8/105

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12334851.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12039239.1/30

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

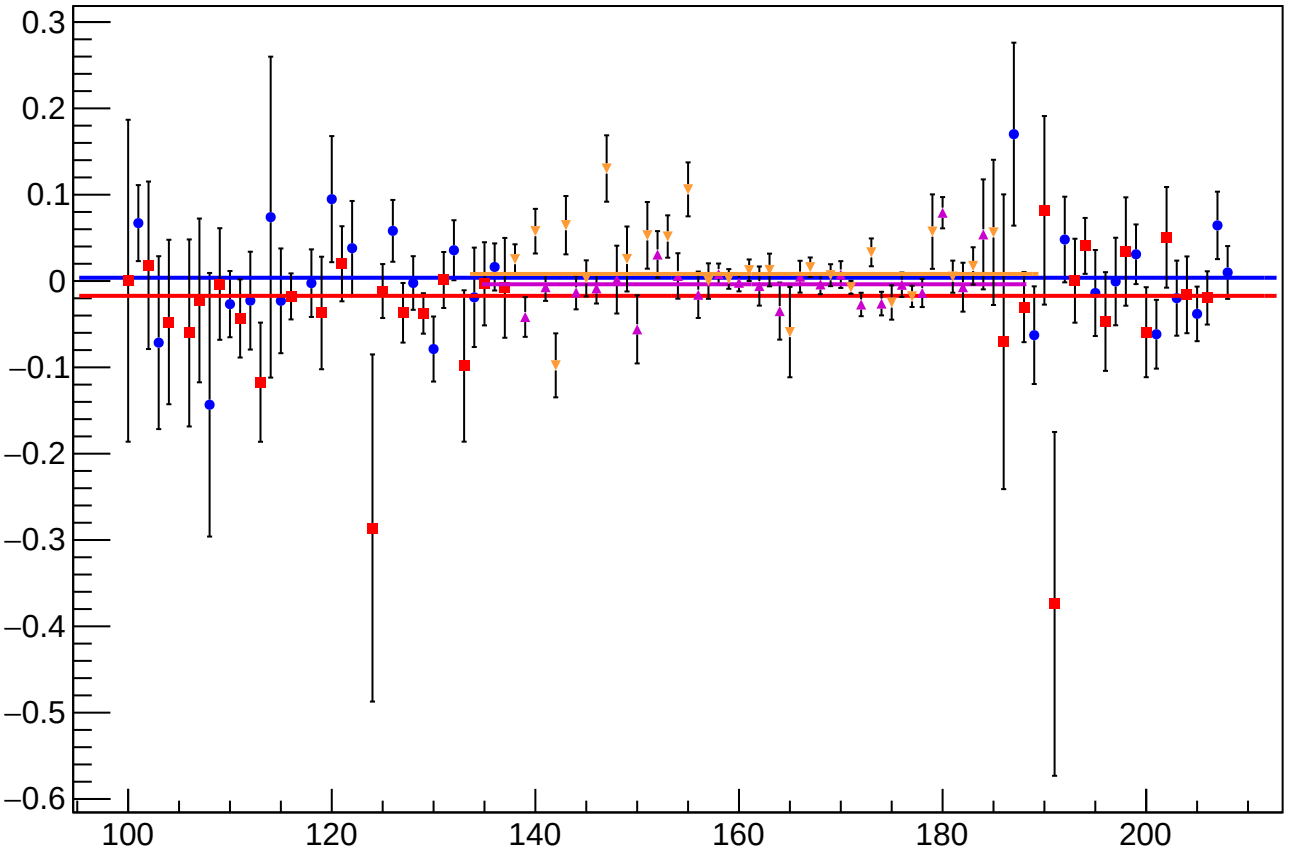
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 24484989.7/57

In: 0.000+/-0.000 χ^2/NDF:23414334.9/49

Out: 0.000+/-0.000 χ^2/NDF:27728614.6/55

All: 0.000+/-0.000 χ^2/NDF: 51176772.9/105



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

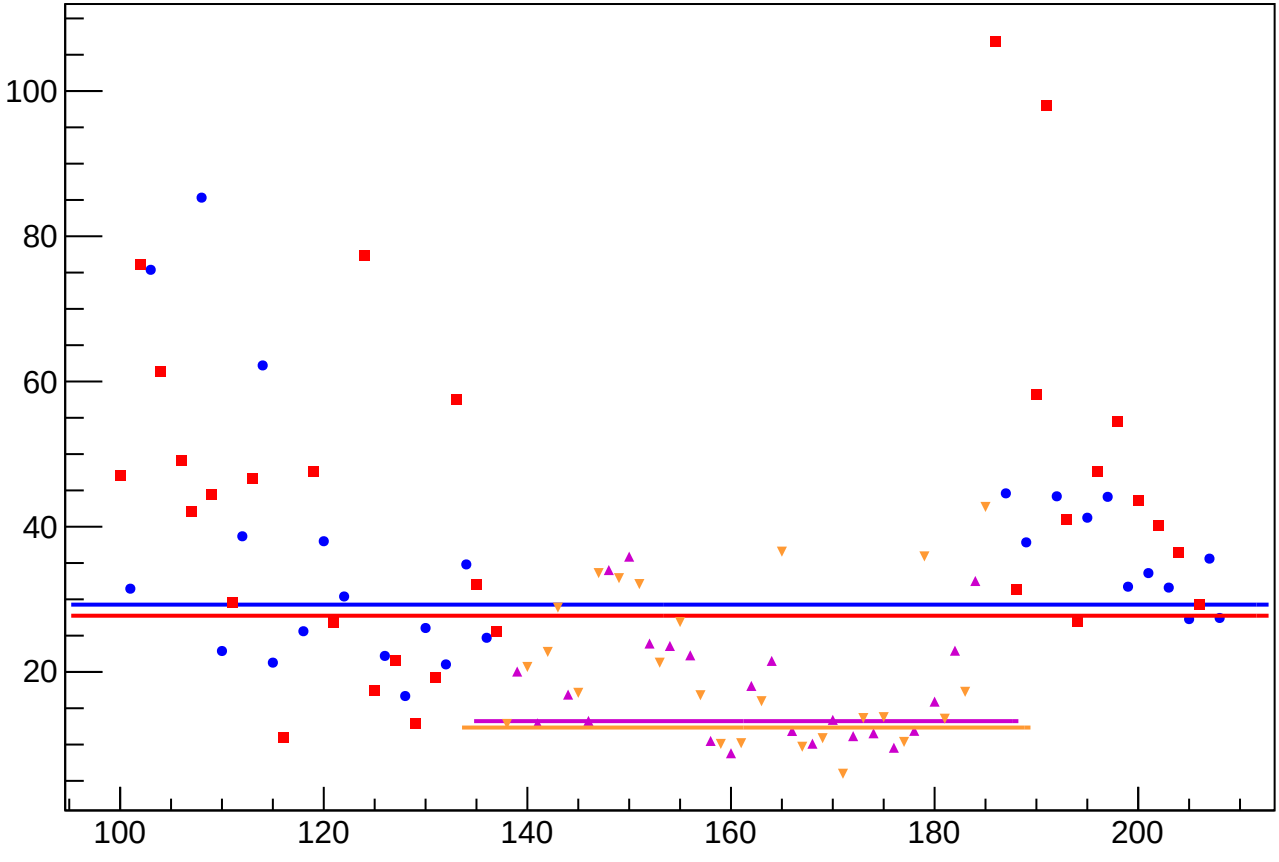
Right: -0.007+/-0.006 χ^2/NDF: 49.2/57

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.9/105

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

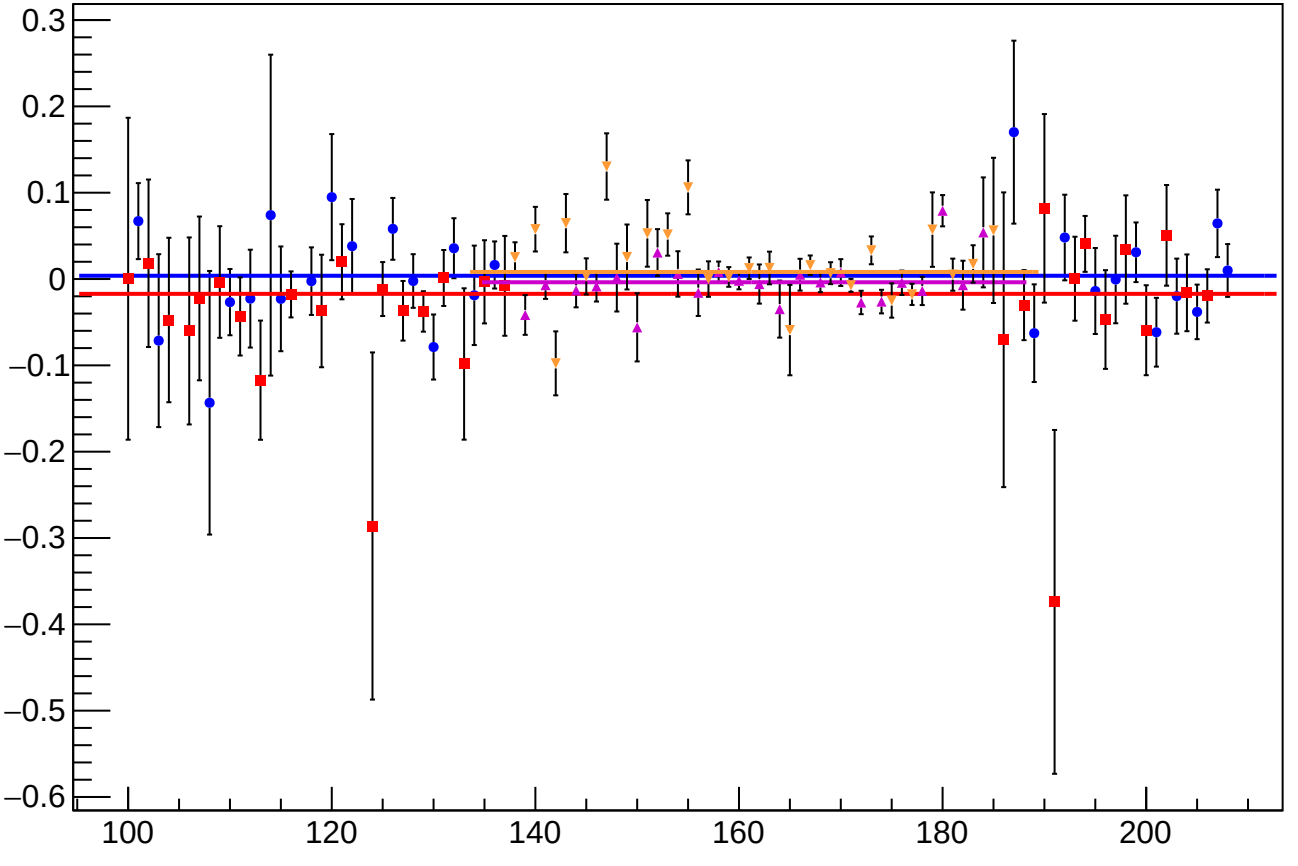
Right: 28.519+/-0.004 χ^2/NDF: 7971400.7/57

In: 15.794+/-0.002 χ^2/NDF:12337346.3/49

Out: 14.543+/-0.002 χ^2/NDF:18138754.0/55

All: 15.143+/-0.002 χ^2/NDF: 30622833.2/105

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

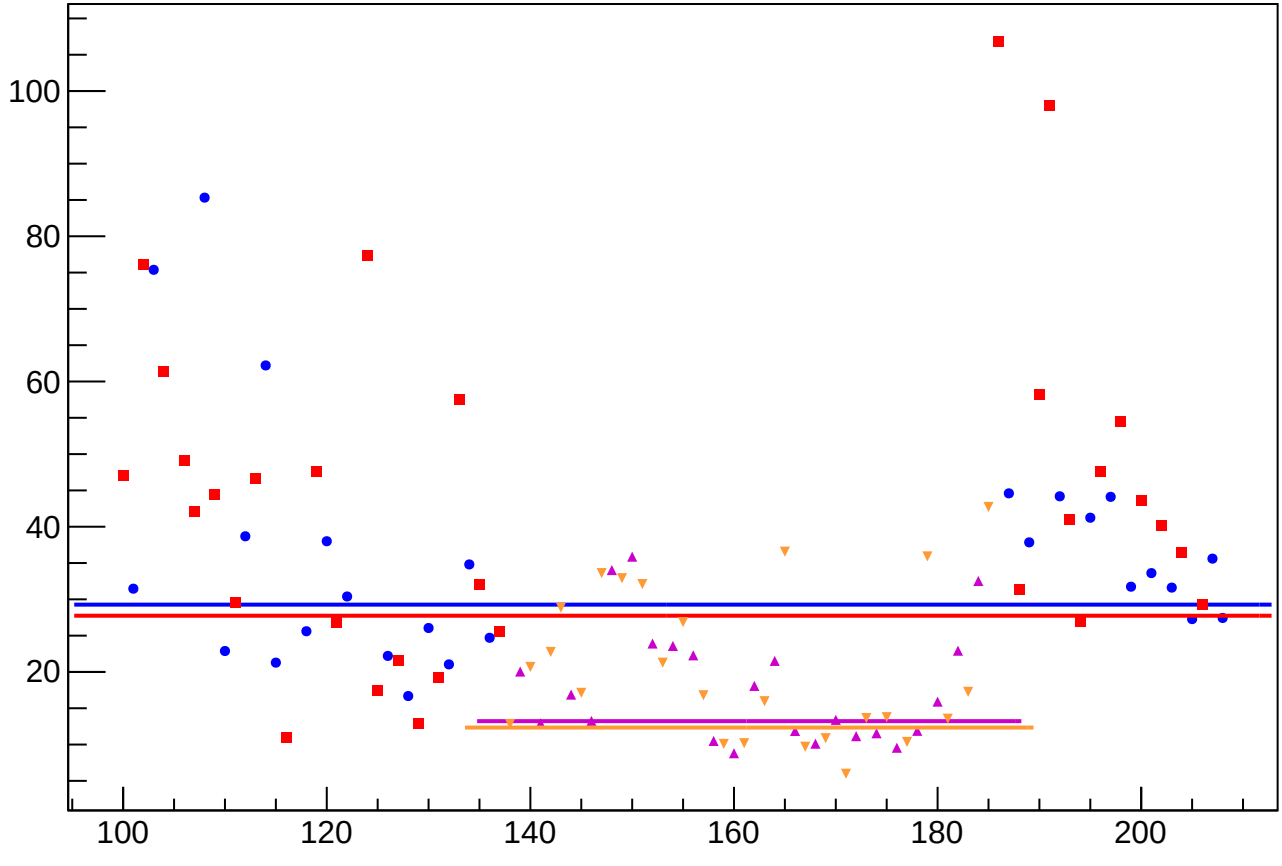
Right: -0.007+/-0.006 χ^2/NDF: 49.2/57

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.9/105

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

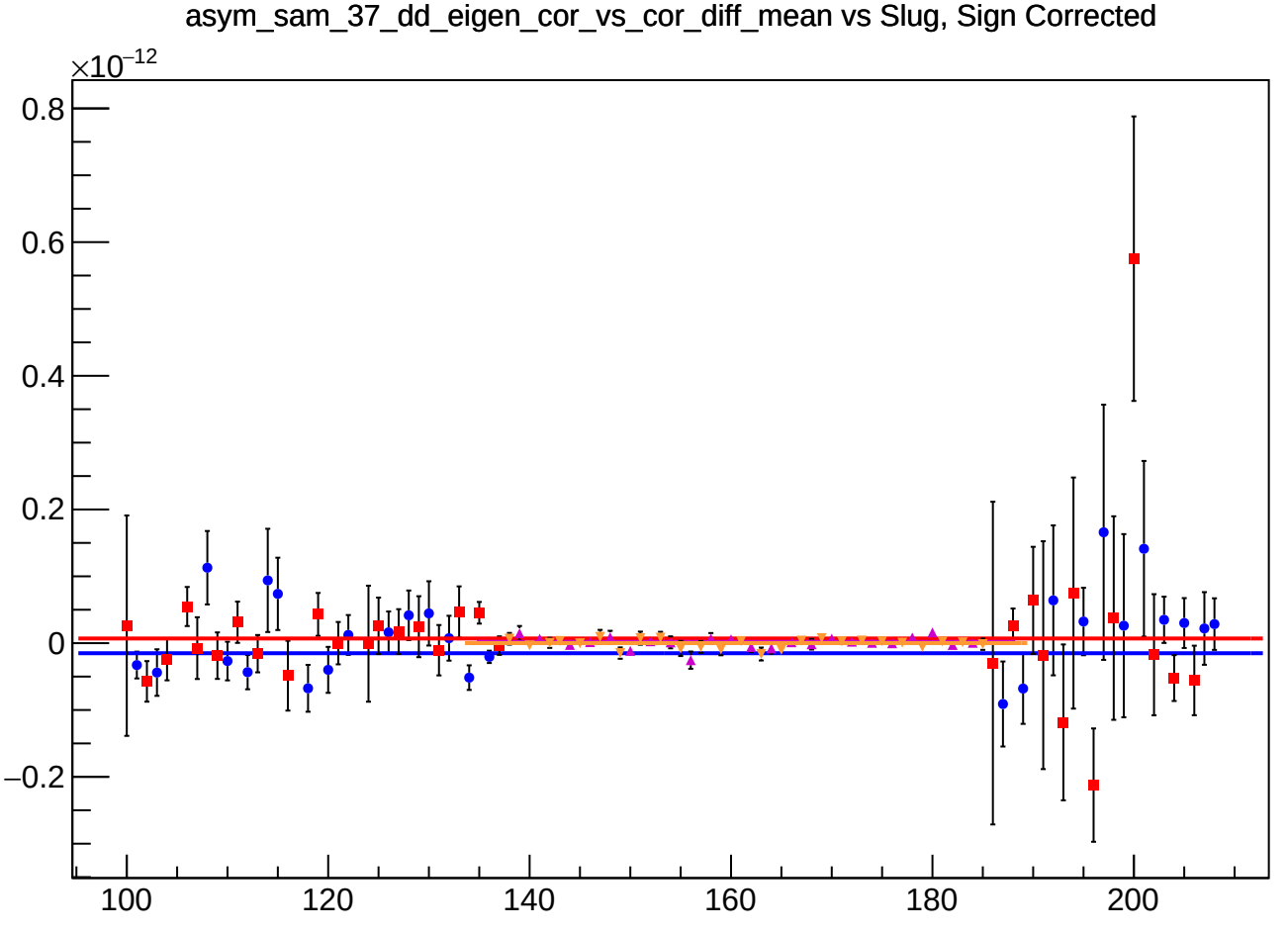
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.519+/-0.004 χ^2/NDF: 7971400.7/57

In: 15.794+/-0.002 χ^2/NDF:12337346.3/49

Out: 14.543+/-0.002 χ^2/NDF:18138754.0/55

All: 15.143+/-0.002 χ^2/NDF: 30622833.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.3/30

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

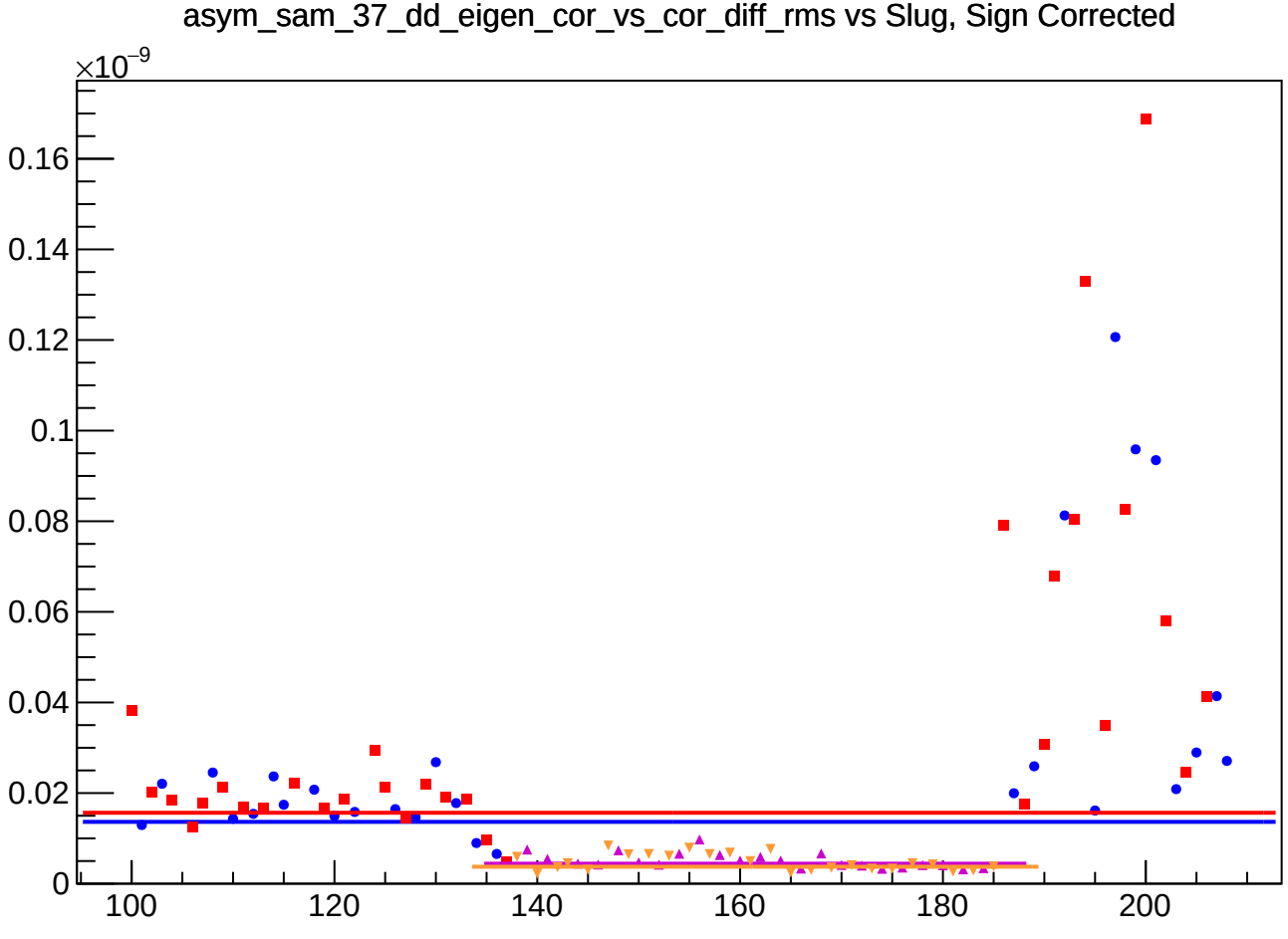
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 85.8/57

In: 0.000+/-0.000 χ^2/NDF:71.6/49

Out: 0.000+/-0.000 χ^2/NDF:64.0/55

All: 0.000+/-0.000 χ^2/NDF: 135.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 5993144.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6417451.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

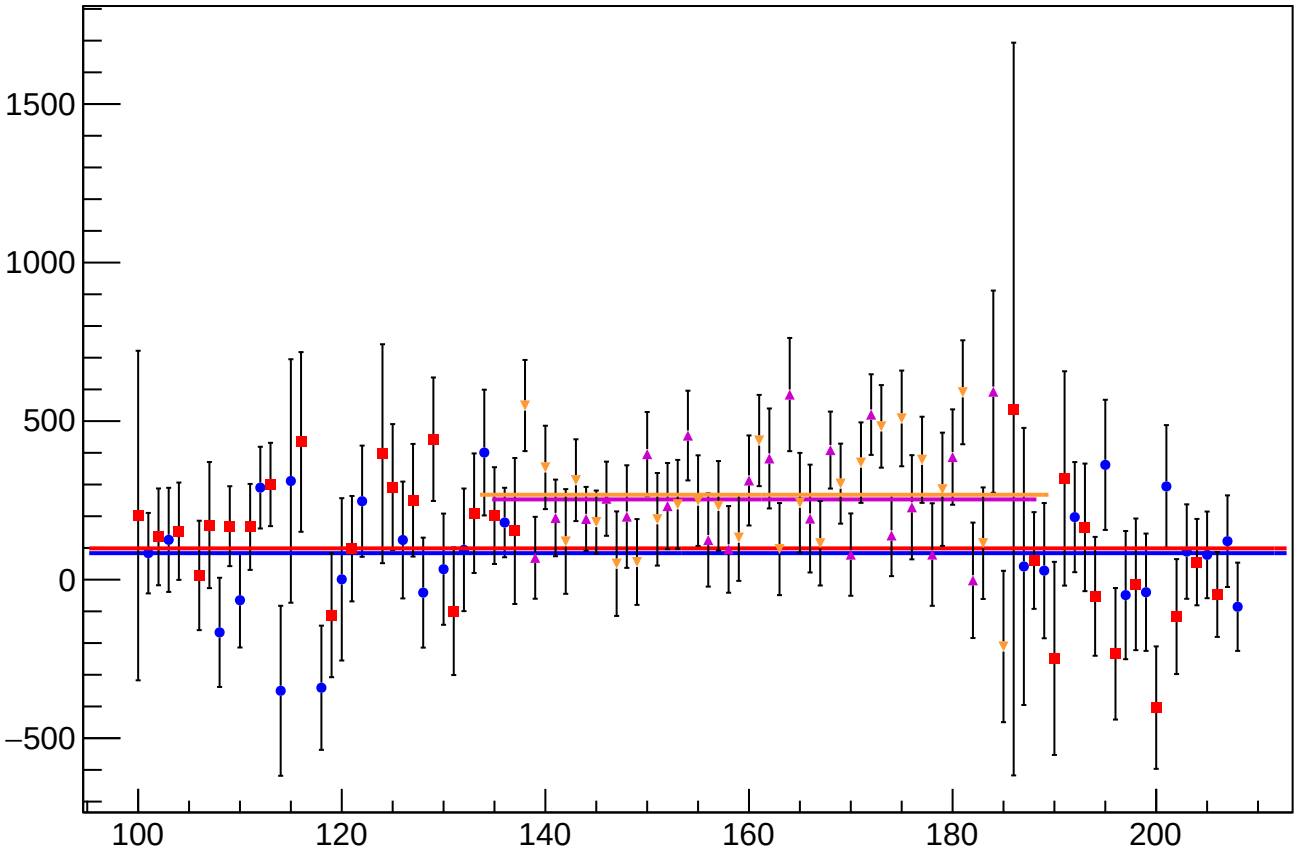
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12523051.4/57

In: 0.000+/-0.000 χ^2/NDF:12783176.3/49

Out: 0.000+/-0.000 χ^2/NDF:16402201.3/55

All: 0.000+/-0.000 χ^2/NDF: 29572989.4/105



Right In: 83.536+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 98.608+/-32.715 χ^2/NDF: 28.5/30

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

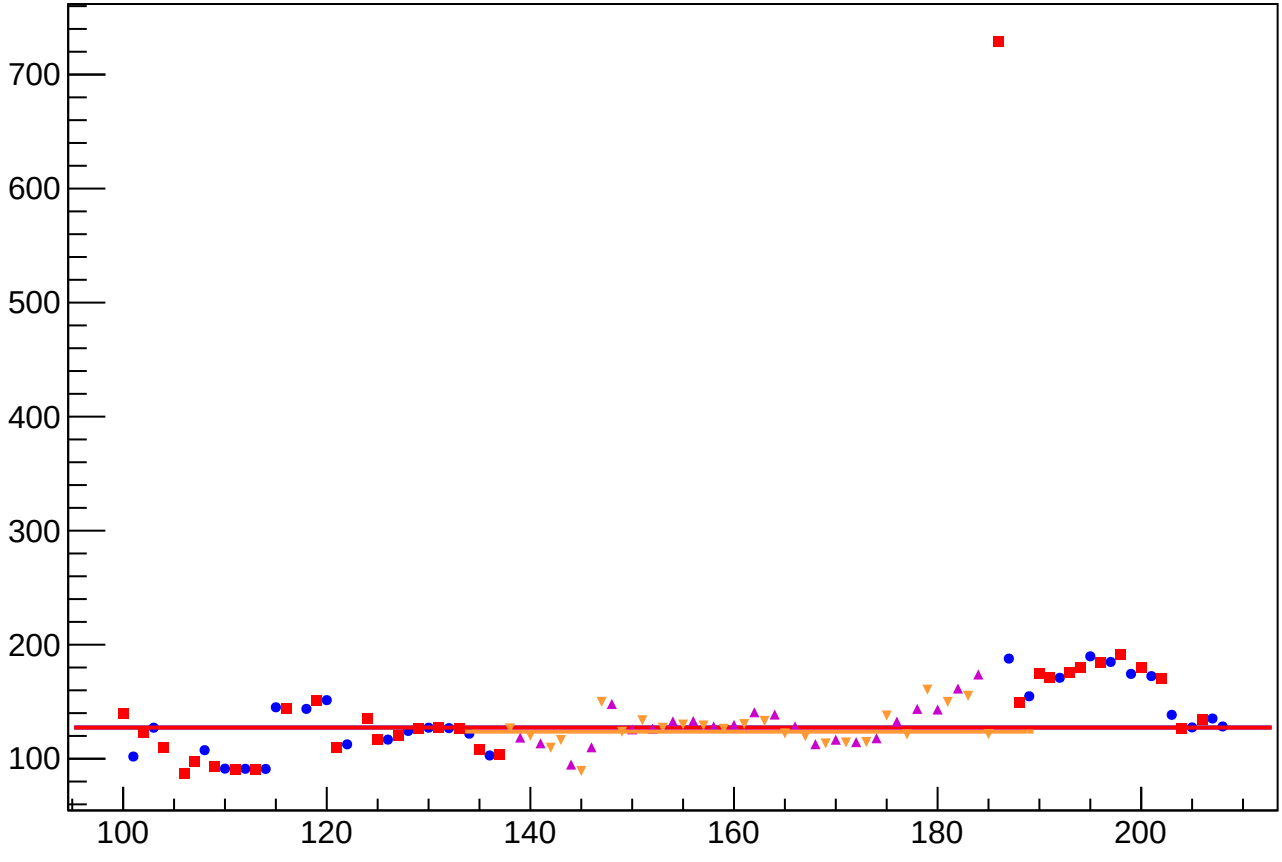
Right: 91.106+/-23.185 χ^2/NDF: 52.9/57

In: 177.935+/-21.875 χ^2/NDF:65.3/49

Out: 195.058+/-21.450 χ^2/NDF:74.7/55

All: 186.665+/-15.315 χ^2/NDF: 140.4/105

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.311+/-0.023 χ^2/NDF: 2309962.3/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

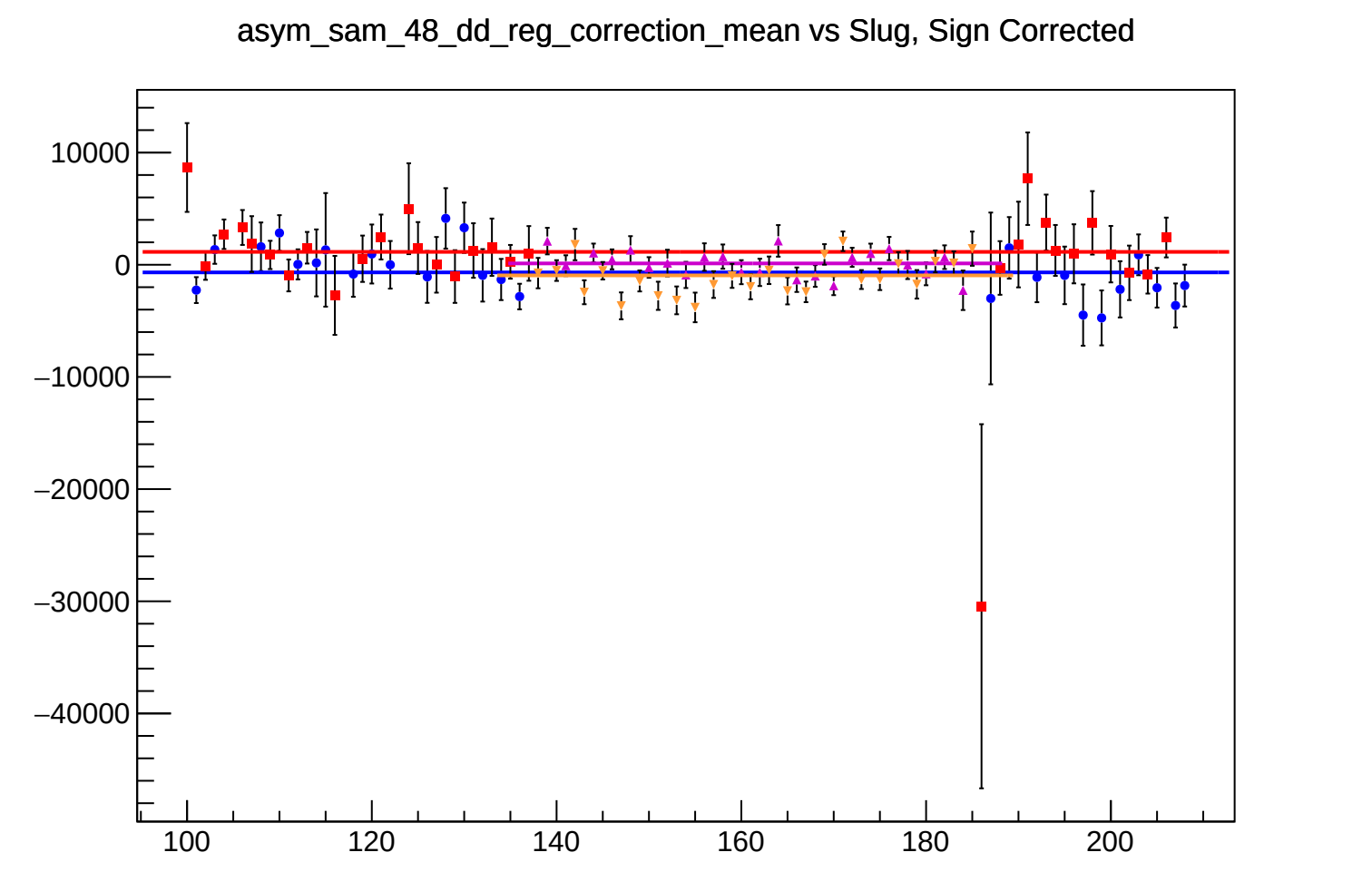
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 127.356+/-0.016 χ^2/NDF: 3686190.3/57

In: 125.651+/-0.015 χ^2/NDF:1943618.8/49

Out: 125.314+/-0.015 χ^2/NDF:2921486.8/55

All: 125.479+/-0.011 χ^2/NDF: 4865348.5/105



Right In: -682.107+/-372.479 χ^2/NDF: 31.4/26

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1147.174+/-365.047 χ^2/NDF: 25.6/30

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

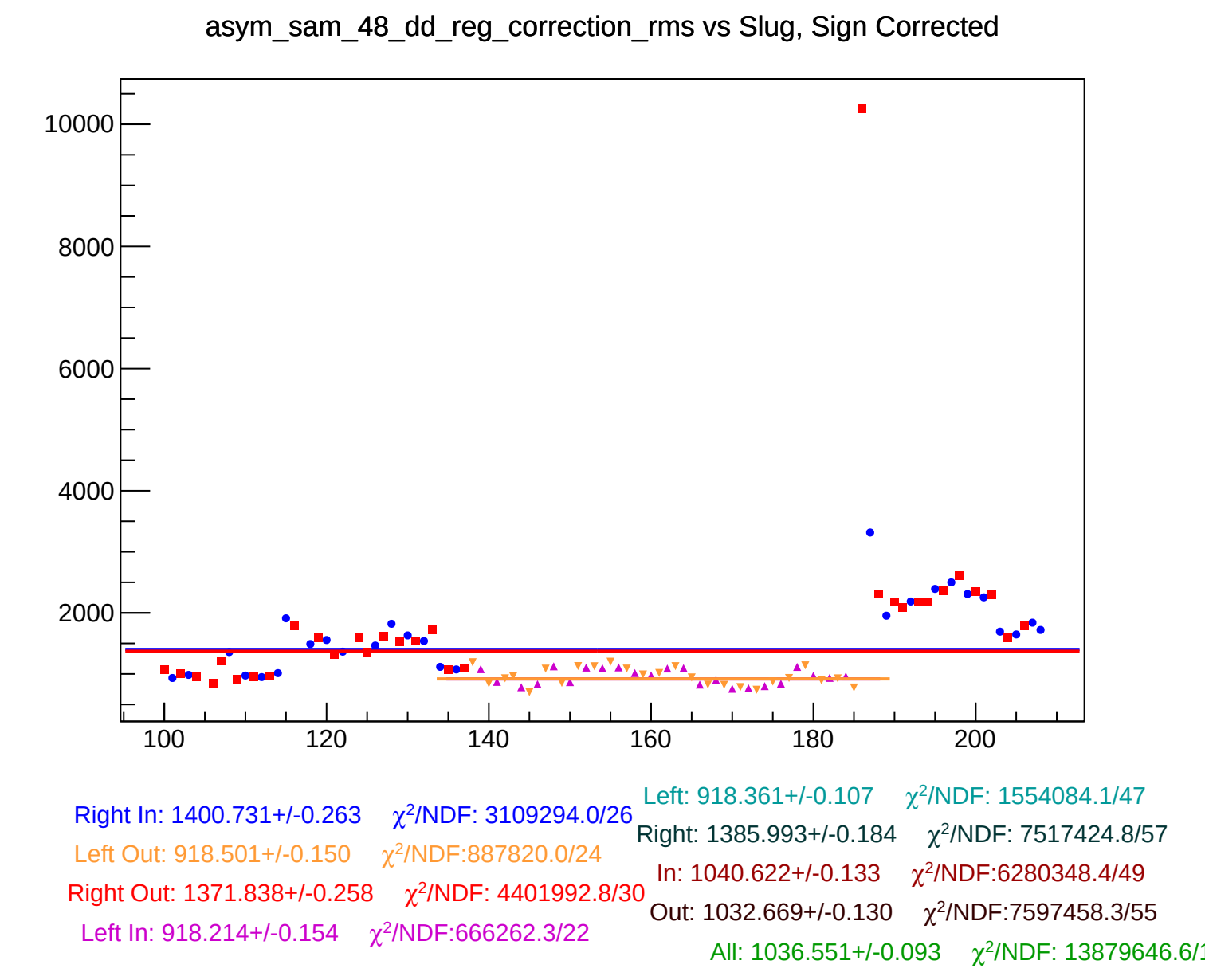
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

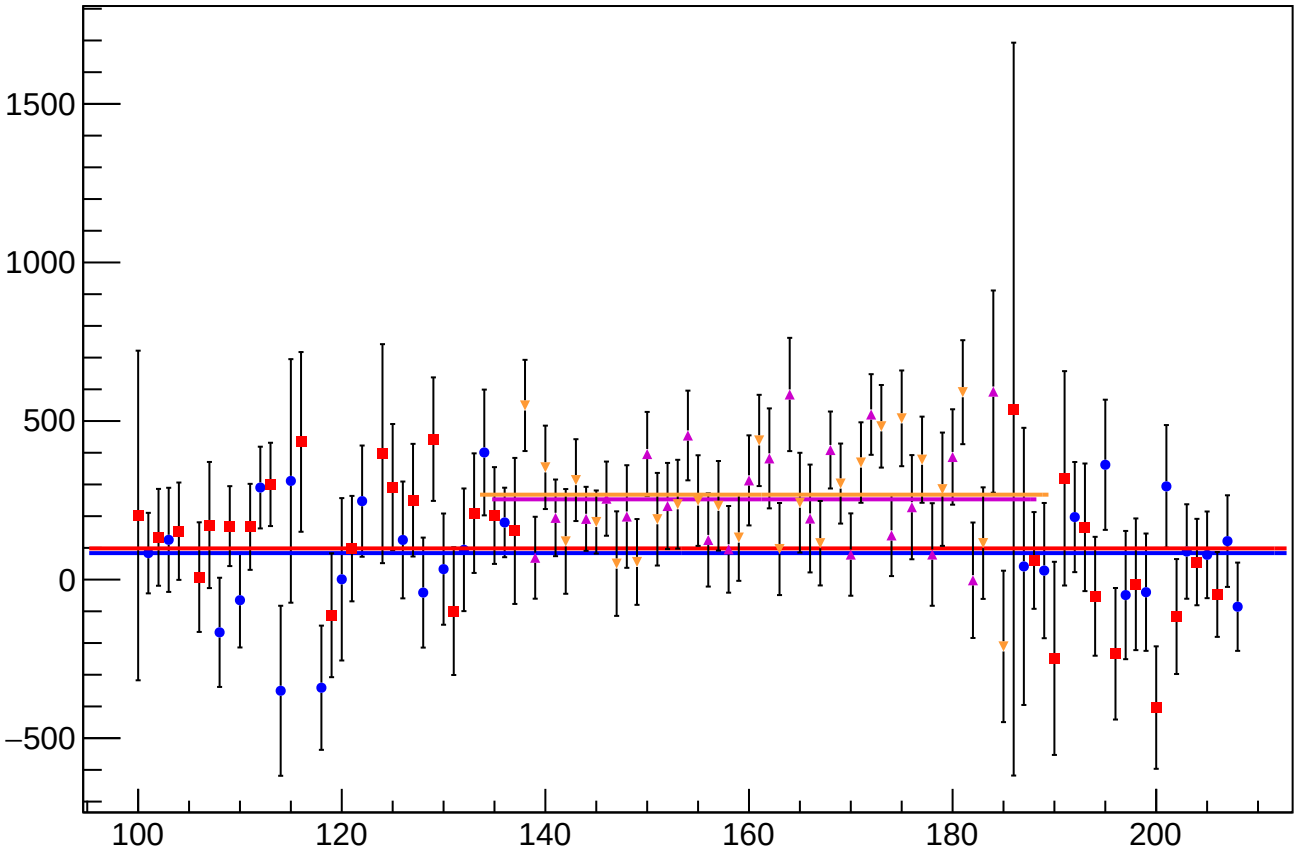
Right: 250.965+/-260.715 χ^2/NDF: 69.3/57

In: -84.654+/-187.608 χ^2/NDF:59.2/49

Out: -420.145+/-183.194 χ^2/NDF:100.6/55

All: -256.393+/-131.070 χ^2/NDF: 161.4/105


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1400.731+/-0.263 χ²/NDF: 3109294.0/26
Left Out: 918.501+/-0.150 χ²/NDF:887820.0/24
Right Out: 1371.838+/-0.258 χ²/NDF: 4401992.8/30
Left In: 918.214+/-0.154 χ²/NDF:666262.3/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.1/47
Right: 1385.993+/-0.184 χ²/NDF: 7517424.8/57
In: 1040.622+/-0.133 χ²/NDF:6280348.4/49
Out: 1032.669+/-0.130 χ²/NDF:7597458.3/55
All: 1036.551+/-0.093 χ²/NDF: 13879646.6/1



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 98.347+/-32.718 χ^2/NDF: 28.5/30

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

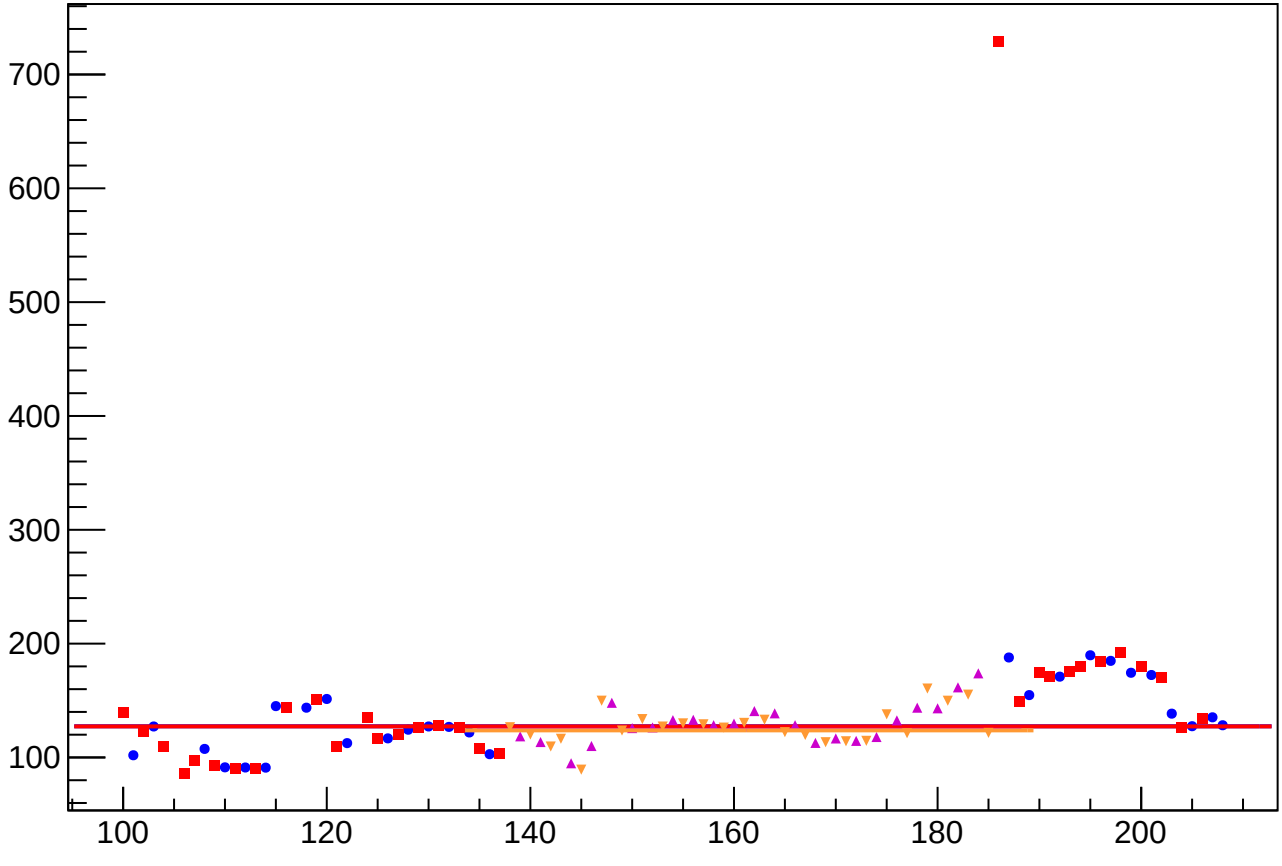
Right: 90.970+/-23.186 χ^2/NDF: 52.9/57

In: 177.933+/-21.875 χ^2/NDF:65.3/49

Out: 194.959+/-21.450 χ^2/NDF:74.8/55

All: 186.613+/-15.316 χ^2/NDF: 140.4/105

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

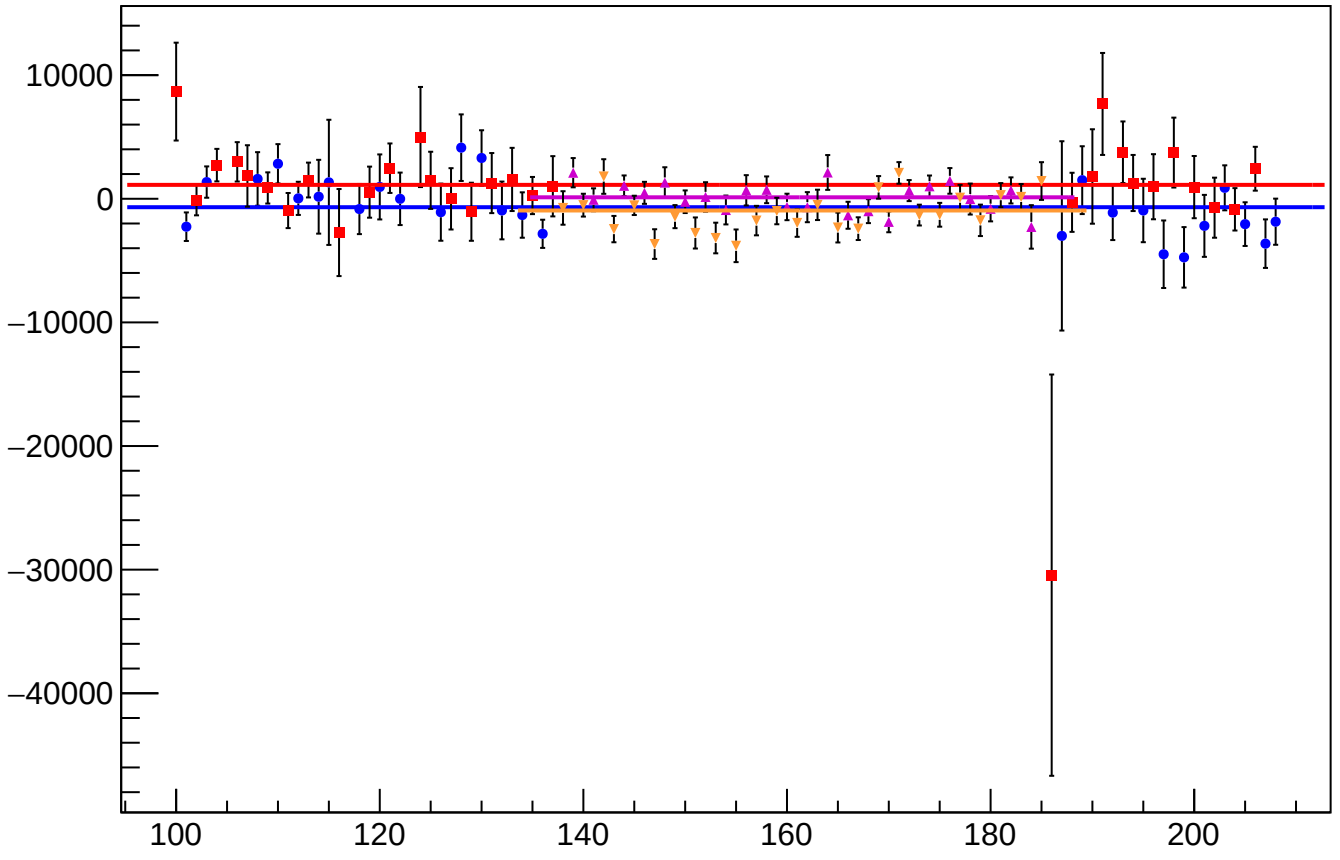
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.339+/-0.016 χ^2/NDF: 3692022.8/57

In: 125.651+/-0.015 χ^2/NDF:1943619.0/49

Out: 125.299+/-0.015 χ^2/NDF:2927065.1/55

All: 125.472+/-0.011 χ^2/NDF: 4870948.1/105



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1124.379+/-365.520 χ^2/NDF: 25.0/30

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

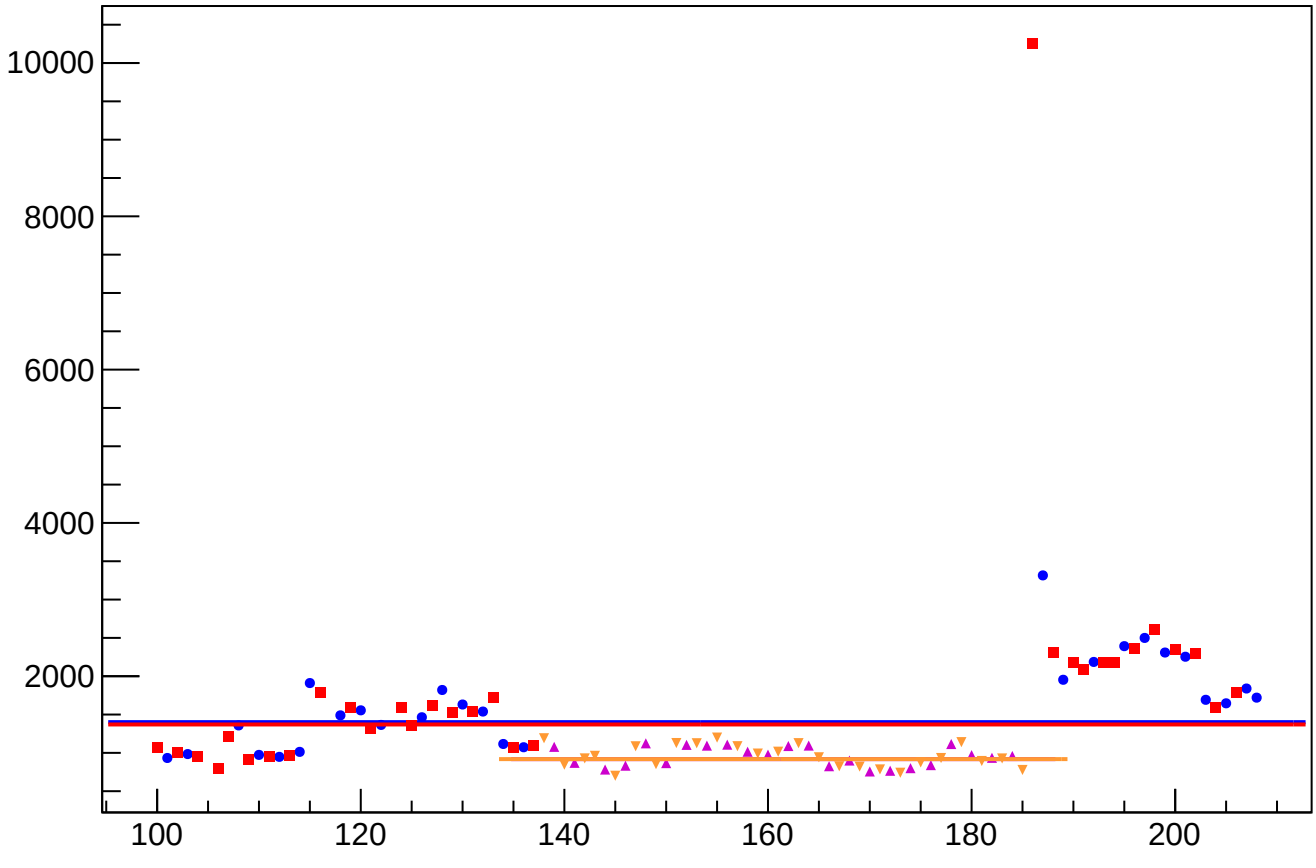
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 238.143+/-260.888 χ^2/NDF: 68.4/57

In: -84.667+/-187.608 χ^2/NDF:59.2/49

Out: -426.886+/-183.253 χ^2/NDF:99.4/55

All: -259.795+/-131.092 χ^2/NDF: 160.3/105



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

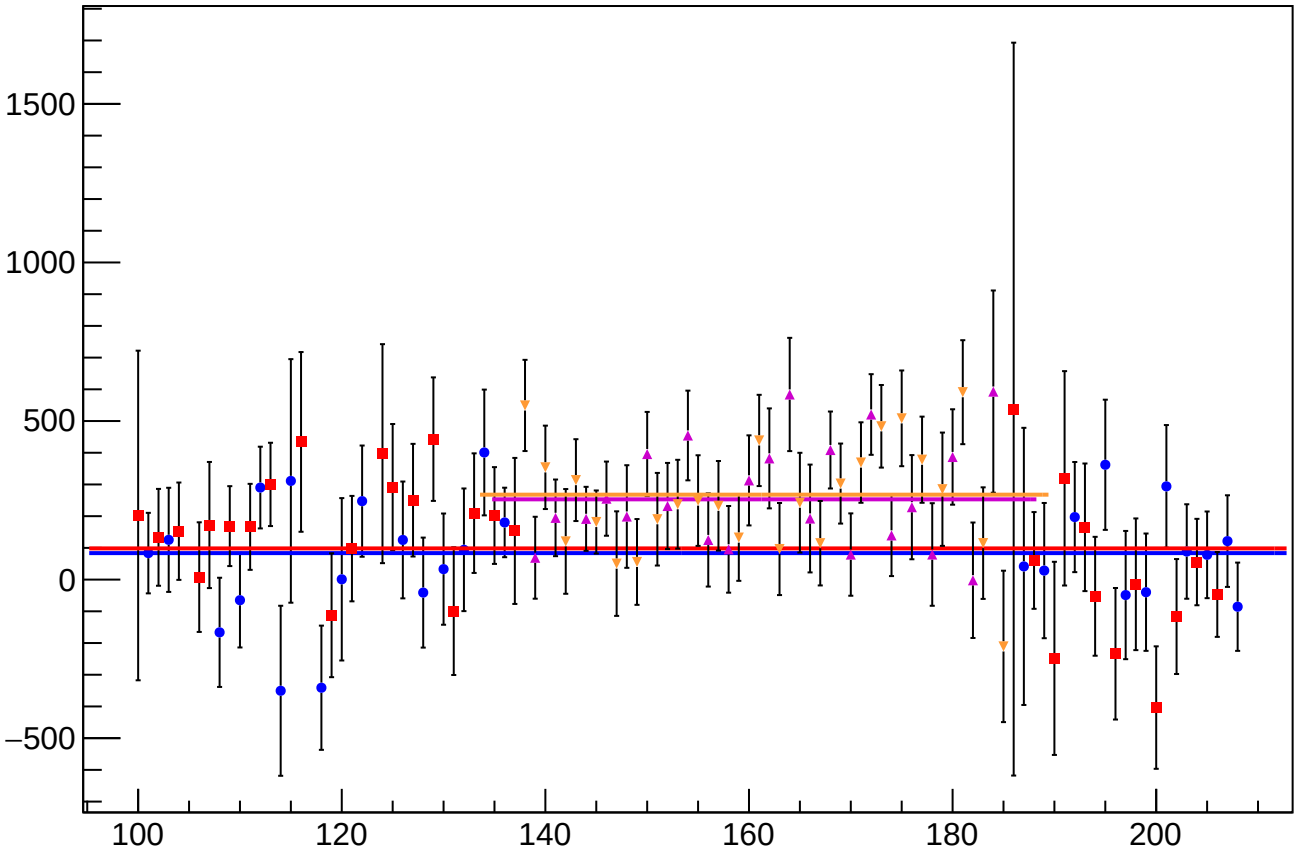
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1385.363+/-0.184 χ^2/NDF: 7550861.3/57

In: 1040.624+/-0.133 χ^2/NDF:6280339.3/49

Out: 1032.126+/-0.130 χ^2/NDF:7612936.4/55

All: 1036.275+/-0.093 χ^2/NDF: 13895375.7/1



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 98.347+/-32.718 χ^2/NDF: 28.5/30

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

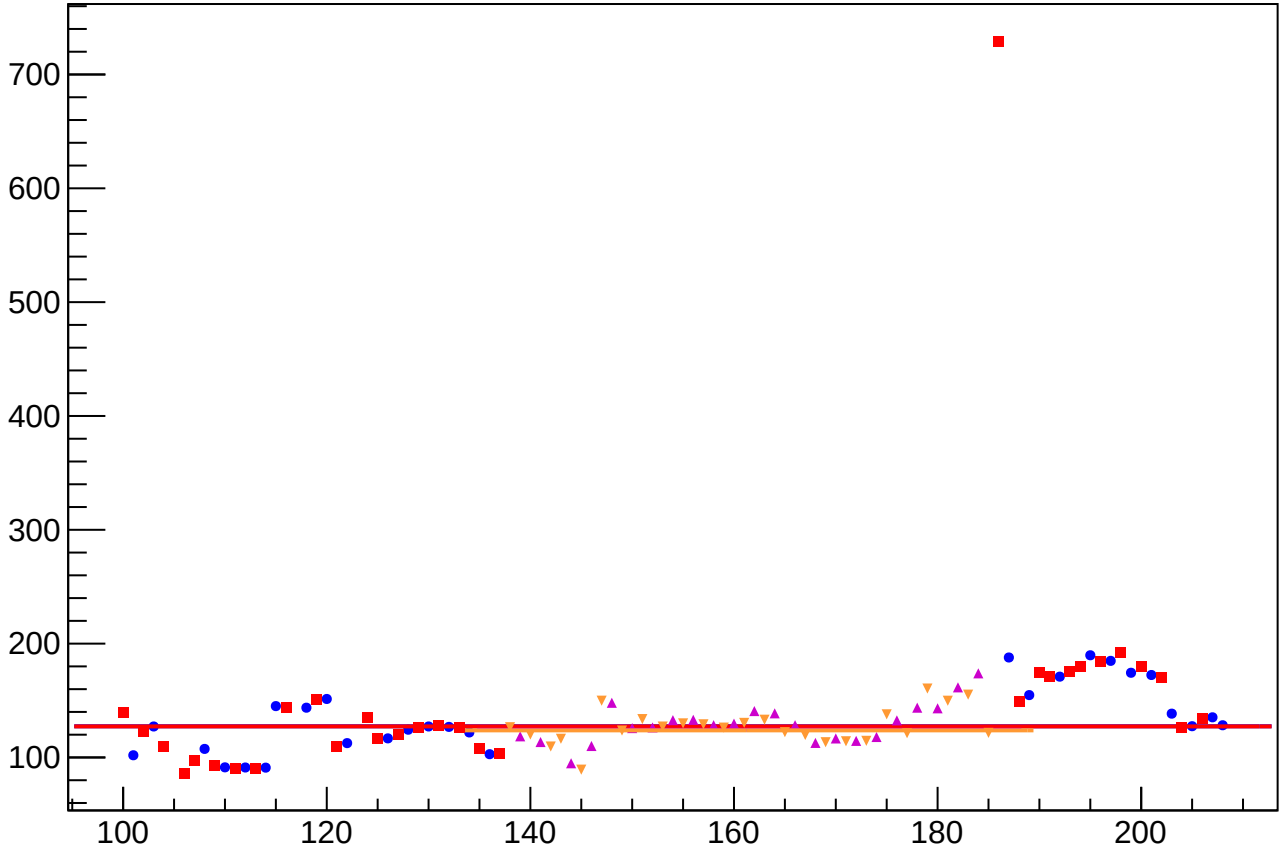
Right: 90.970+/-23.186 χ^2/NDF: 52.9/57

In: 177.933+/-21.875 χ^2/NDF:65.3/49

Out: 194.959+/-21.450 χ^2/NDF:74.8/55

All: 186.613+/-15.316 χ^2/NDF: 140.4/105

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

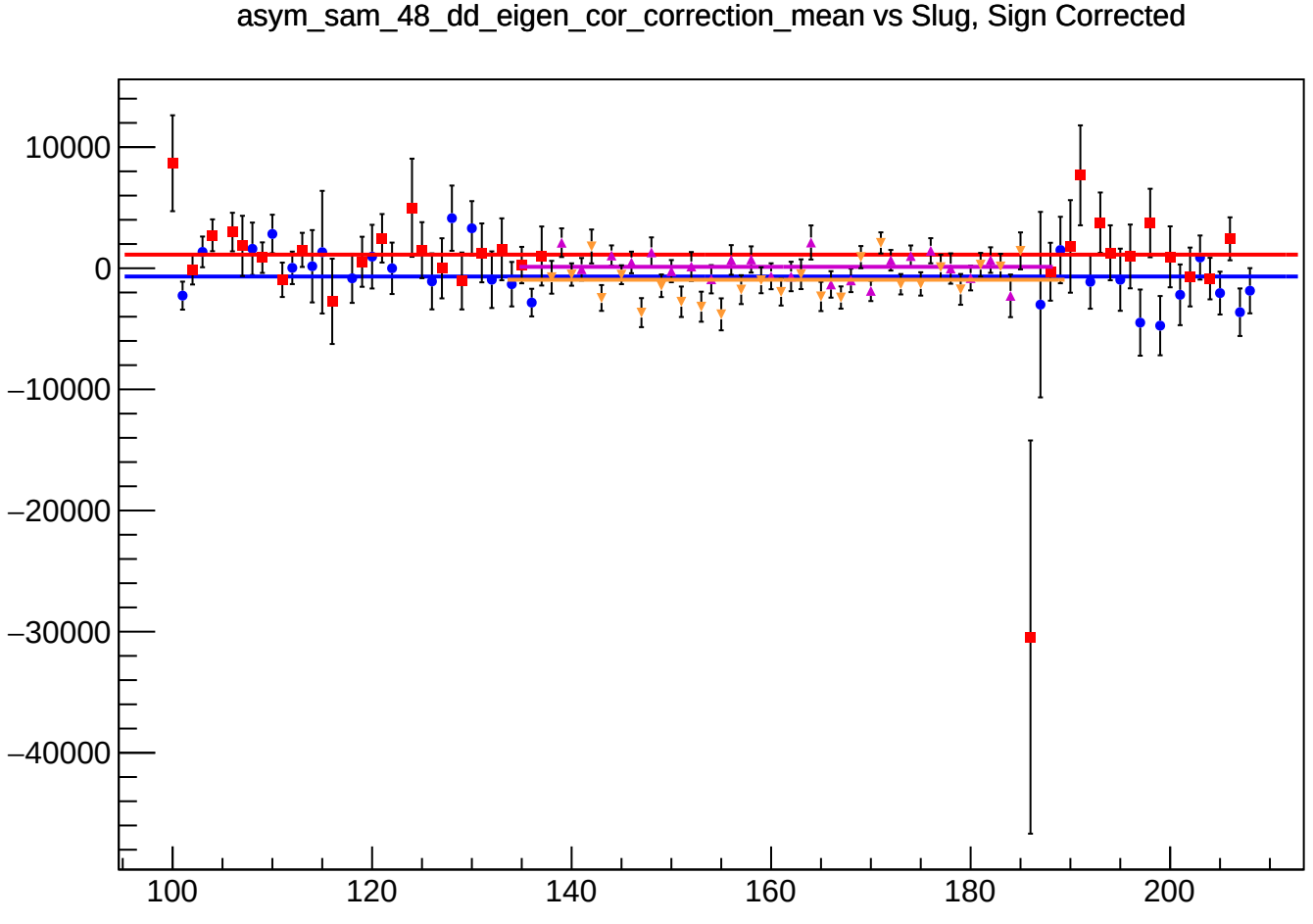
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.339+/-0.016 χ^2/NDF: 3692022.8/57

In: 125.651+/-0.015 χ^2/NDF:1943619.0/49

Out: 125.299+/-0.015 χ^2/NDF:2927065.1/55

All: 125.472+/-0.011 χ^2/NDF: 4870948.1/105



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1124.379+/-365.520 χ^2/NDF: 25.0/30

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

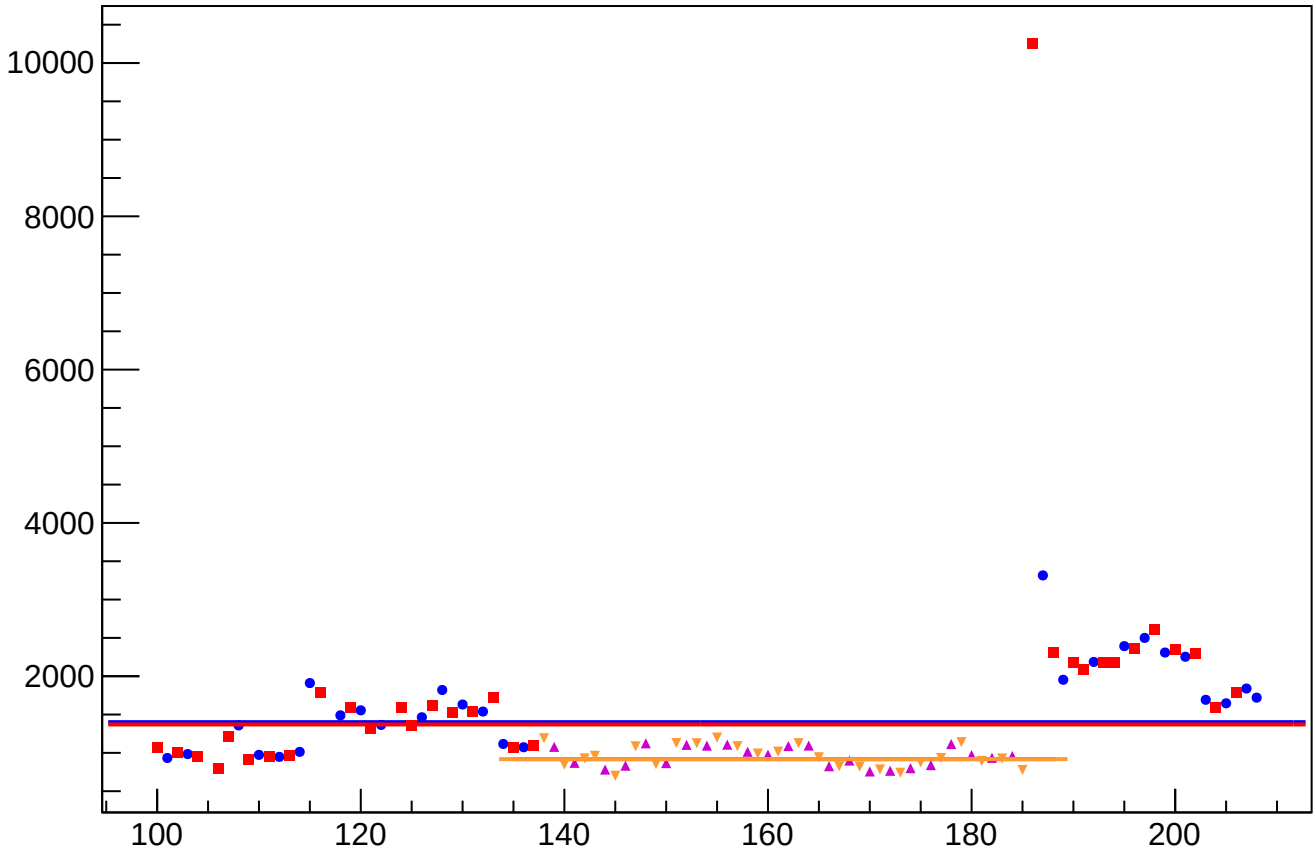
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 238.143+/-260.888 χ^2/NDF: 68.4/57

In: -84.667+/-187.608 χ^2/NDF:59.2/49

Out: -426.886+/-183.253 χ^2/NDF:99.4/55

All: -259.795+/-131.092 χ^2/NDF: 160.3/105



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

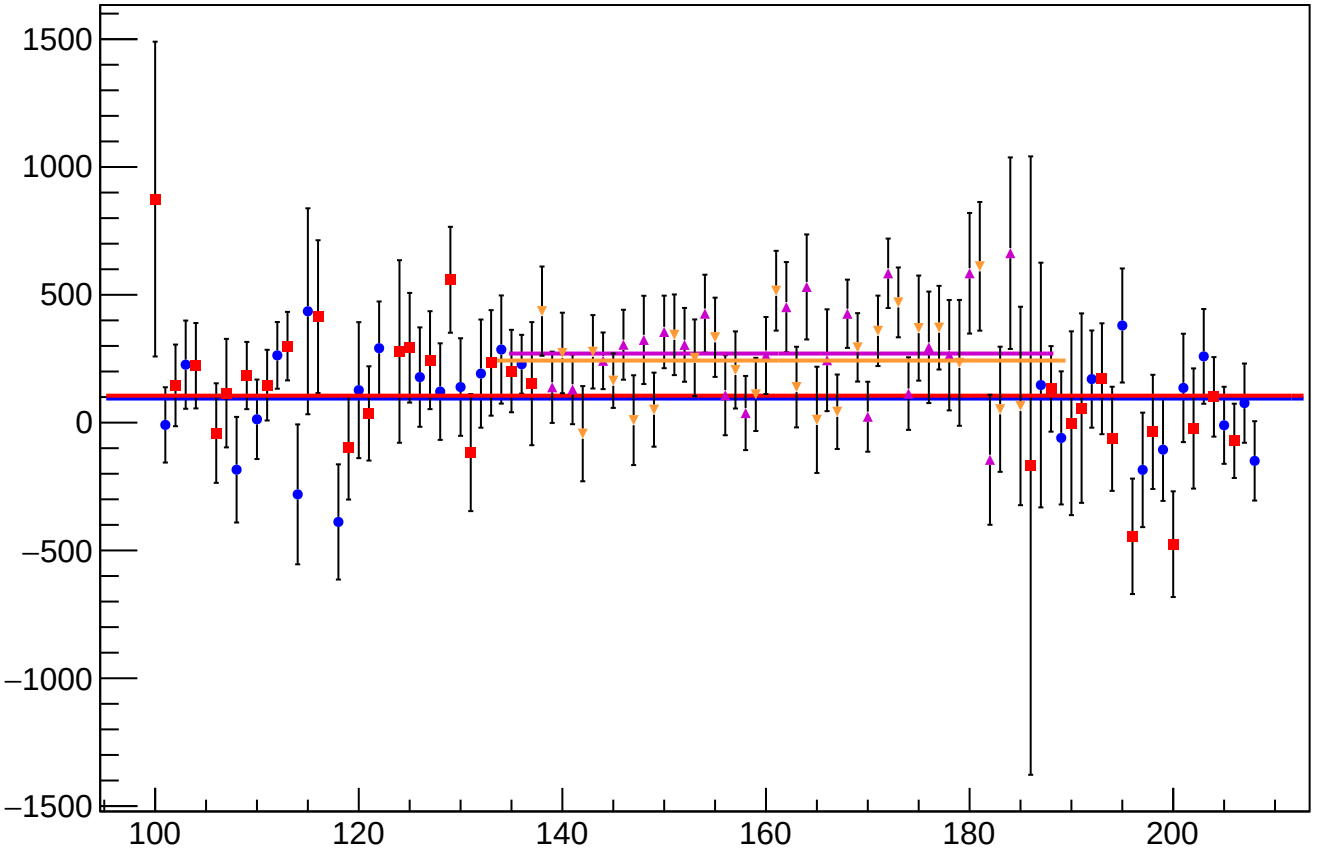
Right: 1385.363+/-0.184 χ^2/NDF: 7550861.3/57

In: 1040.624+/-0.133 χ^2/NDF:6280339.3/49

Out: 1032.126+/-0.130 χ^2/NDF:7612936.4/55

All: 1036.275+/-0.093 χ^2/NDF: 13895375.7/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 94.224+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 105.485+/-35.314 χ^2/NDF: 32.4/30

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

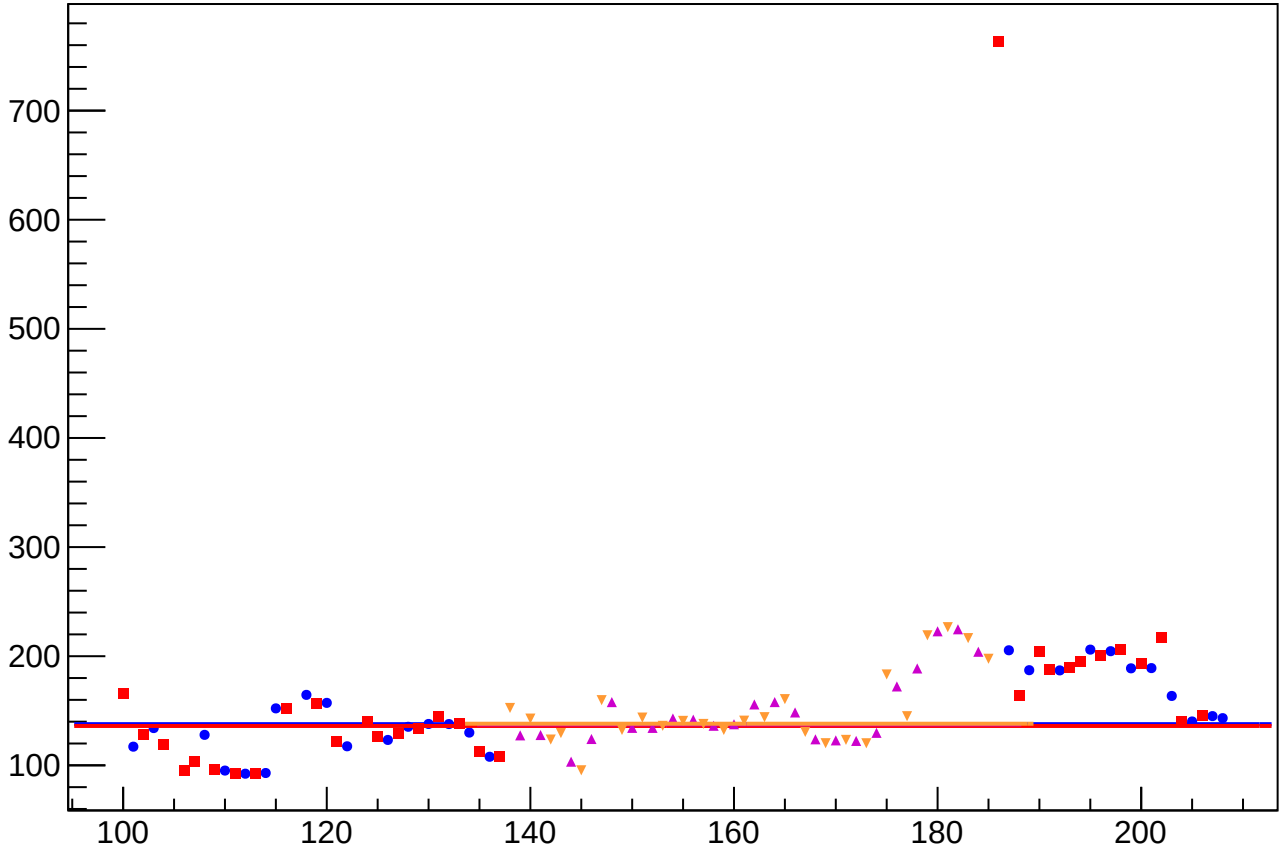
Right: 99.936+/-25.152 χ^2/NDF: 56.9/57

In: 189.745+/-24.231 χ^2/NDF:64.2/49

Out: 180.642+/-23.769 χ^2/NDF:64.4/55

All: 185.106+/-16.968 χ^2/NDF: 128.6/105

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.728+/-0.025 χ^2/NDF: 1612040.4/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 136.075+/-0.025 χ^2/NDF: 2629143.7/30

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

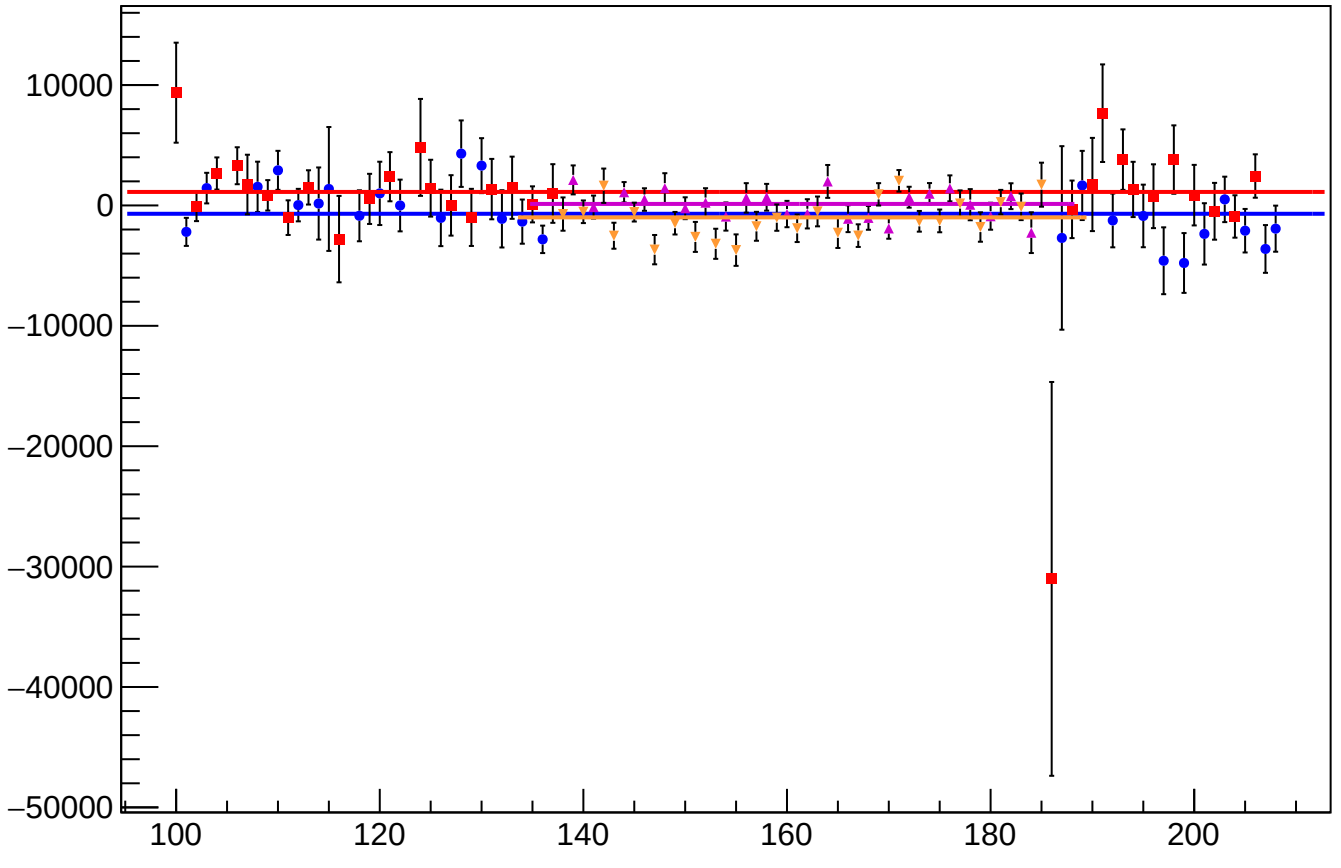
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 136.890+/-0.018 χ^2/NDF: 4243342.4/57

In: 137.600+/-0.017 χ^2/NDF:2721421.3/49

Out: 137.198+/-0.017 χ^2/NDF:3971145.6/55

All: 137.395+/-0.012 χ^2/NDF: 6692847.3/105



Right In: -693.087+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1121.397+/-367.594 χ^2/NDF: 25.9/30

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

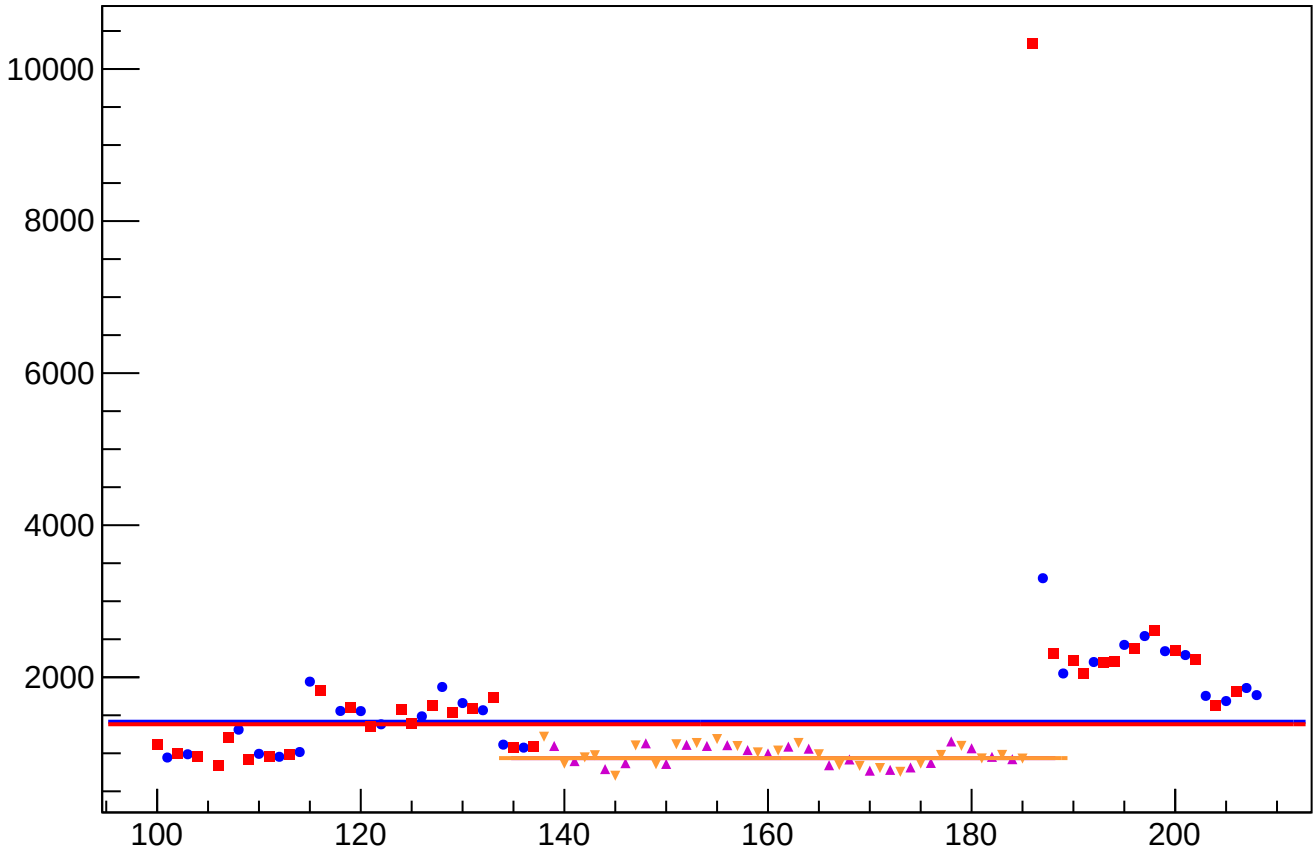
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 236.579+/-263.121 χ^2/NDF: 68.9/57

In: -85.021+/-190.865 χ^2/NDF:58.5/49

Out: -451.794+/-186.006 χ^2/NDF:97.4/55

All: -273.135+/-133.211 χ^2/NDF: 157.8/105



Right In: 1415.175+/-0.266 χ^2/NDF: 3211971.7/26

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404551.1/30

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

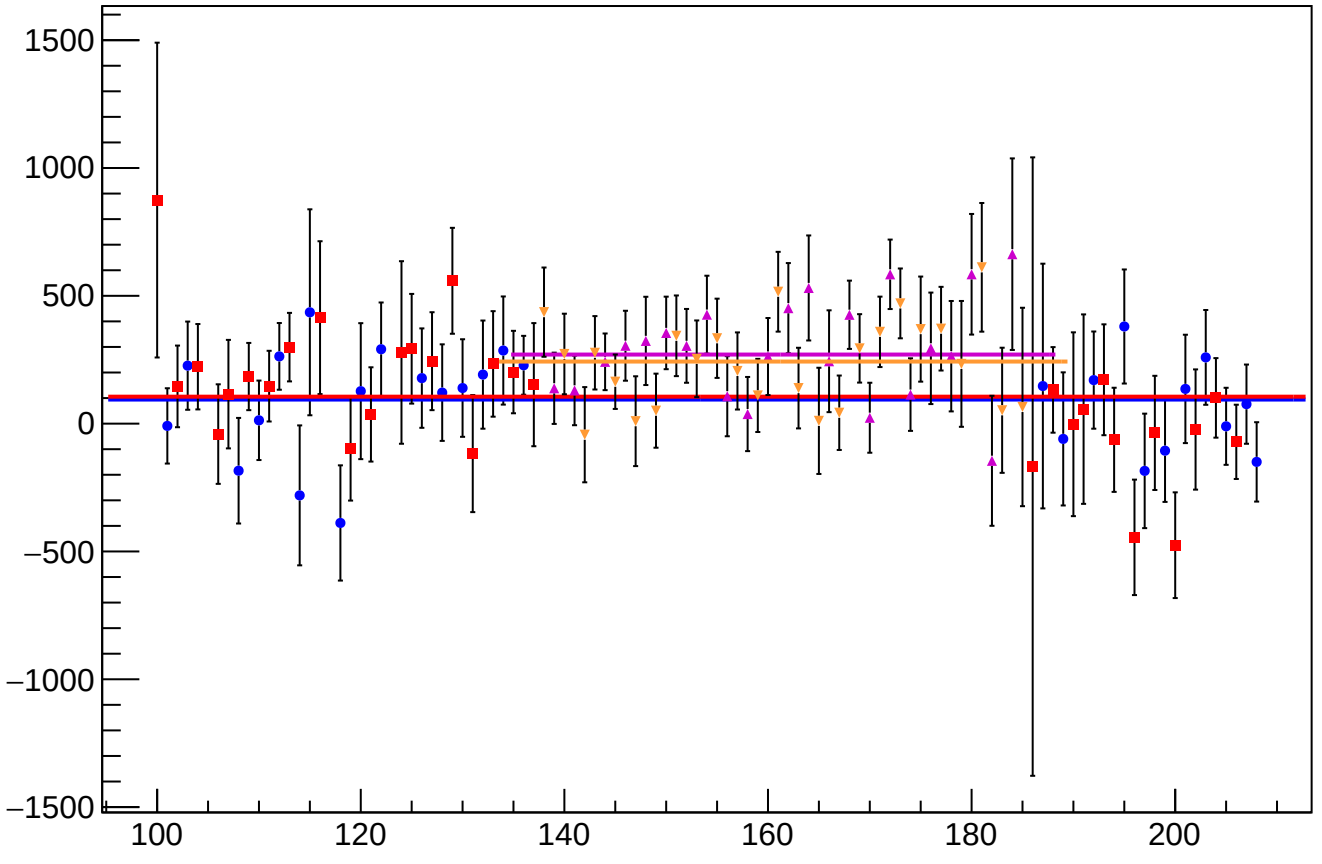
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1398.154+/-0.186 χ^2/NDF: 7624488.2/57

In: 1059.235+/-0.135 χ^2/NDF:6255464.8/49

Out: 1050.738+/-0.132 χ^2/NDF:7419584.3/55

All: 1054.877+/-0.094 χ^2/NDF: 13677082.3/1



Right In: 94.226+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 105.485+/-35.314 χ^2/NDF: 32.4/30

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

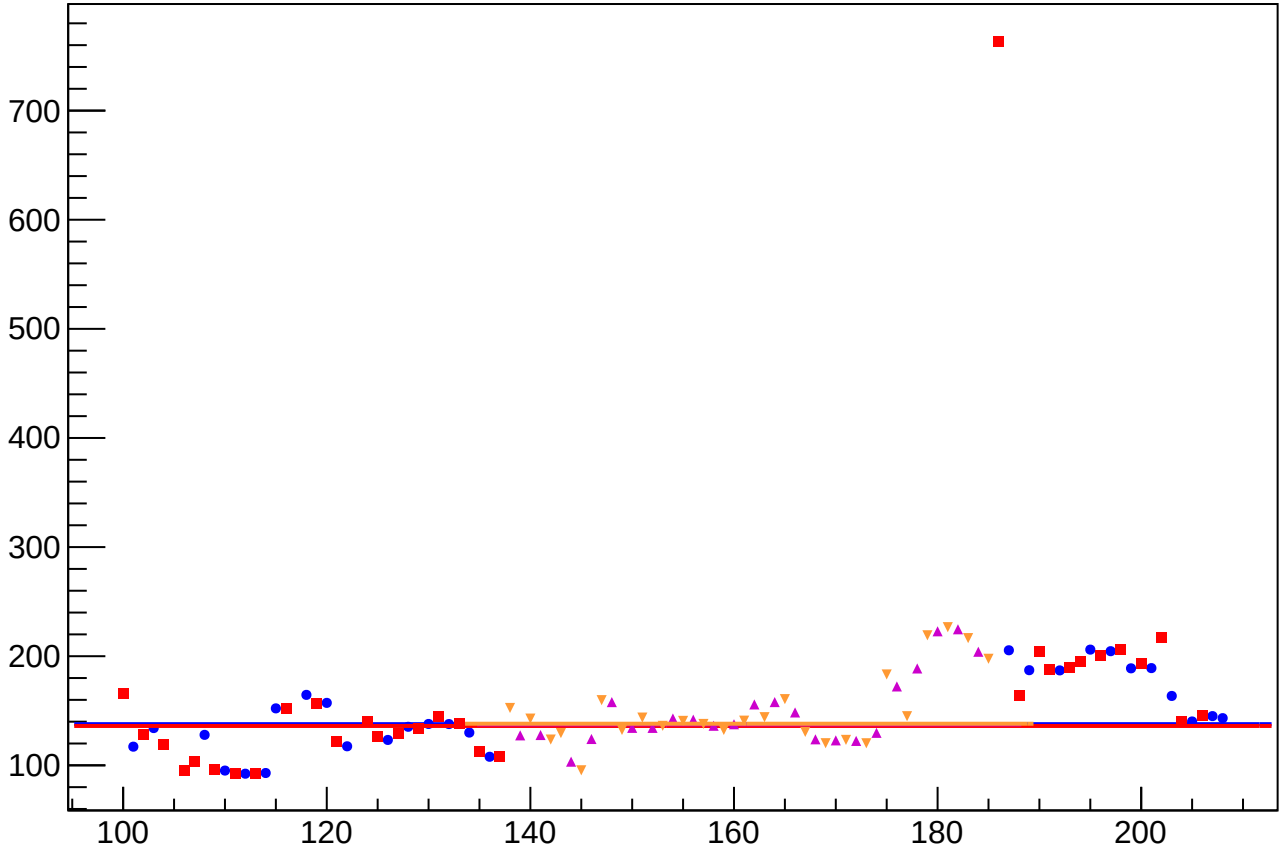
Right: 99.937+/-25.152 χ^2/NDF: 56.9/57

In: 189.747+/-24.231 χ^2/NDF:64.2/49

Out: 180.644+/-23.769 χ^2/NDF:64.4/55

All: 185.108+/-16.968 χ^2/NDF: 128.6/105

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.728+/-0.025 χ^2/NDF: 1612028.5/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 136.075+/-0.025 χ^2/NDF: 2629151.0/30

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

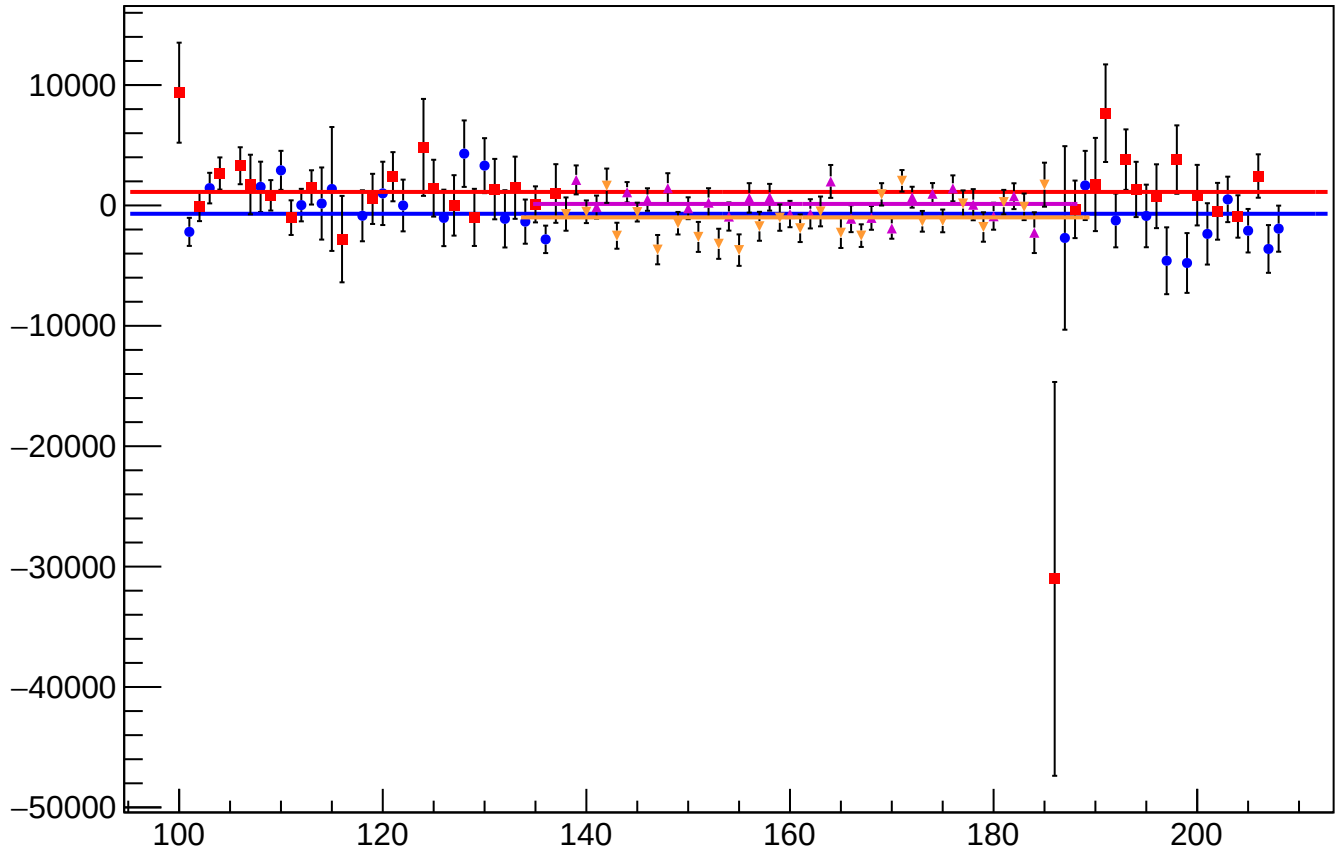
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 136.890+/-0.018 χ^2/NDF: 4243337.7/57

In: 137.600+/-0.017 χ^2/NDF:2721395.6/49

Out: 137.198+/-0.017 χ^2/NDF:3971156.1/55

All: 137.395+/-0.012 χ^2/NDF: 6692832.0/105



Right In: -693.086+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1121.397+/-367.594 χ^2/NDF: 25.9/30

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

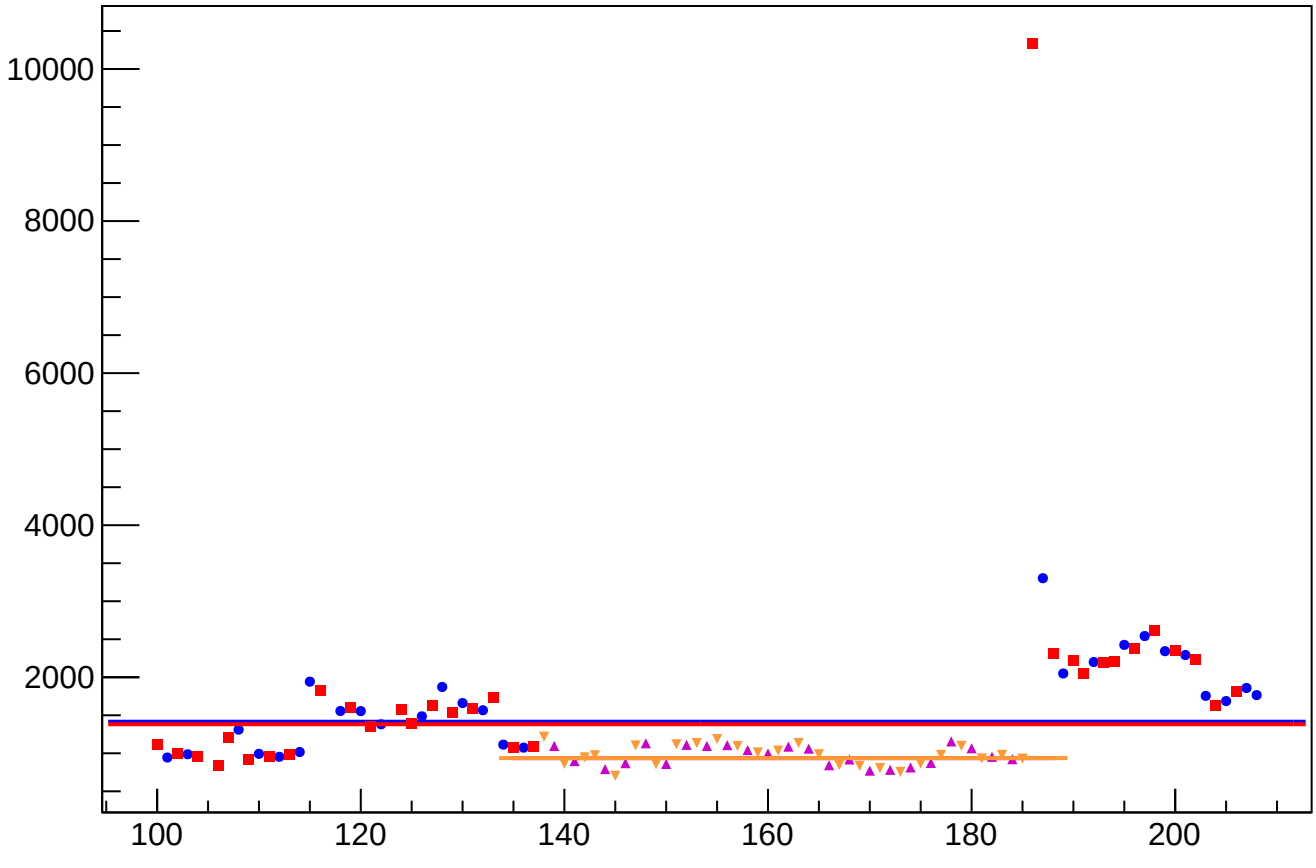
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 236.579+/-263.121 χ^2/NDF: 68.9/57

In: -85.021+/-190.865 χ^2/NDF:58.5/49

Out: -451.793+/-186.006 χ^2/NDF:97.4/55

All: -273.135+/-133.211 χ^2/NDF: 157.8/105



Right In: 1415.174+/-0.266 χ^2/NDF: 3211966.1/26

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404543.6/30

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

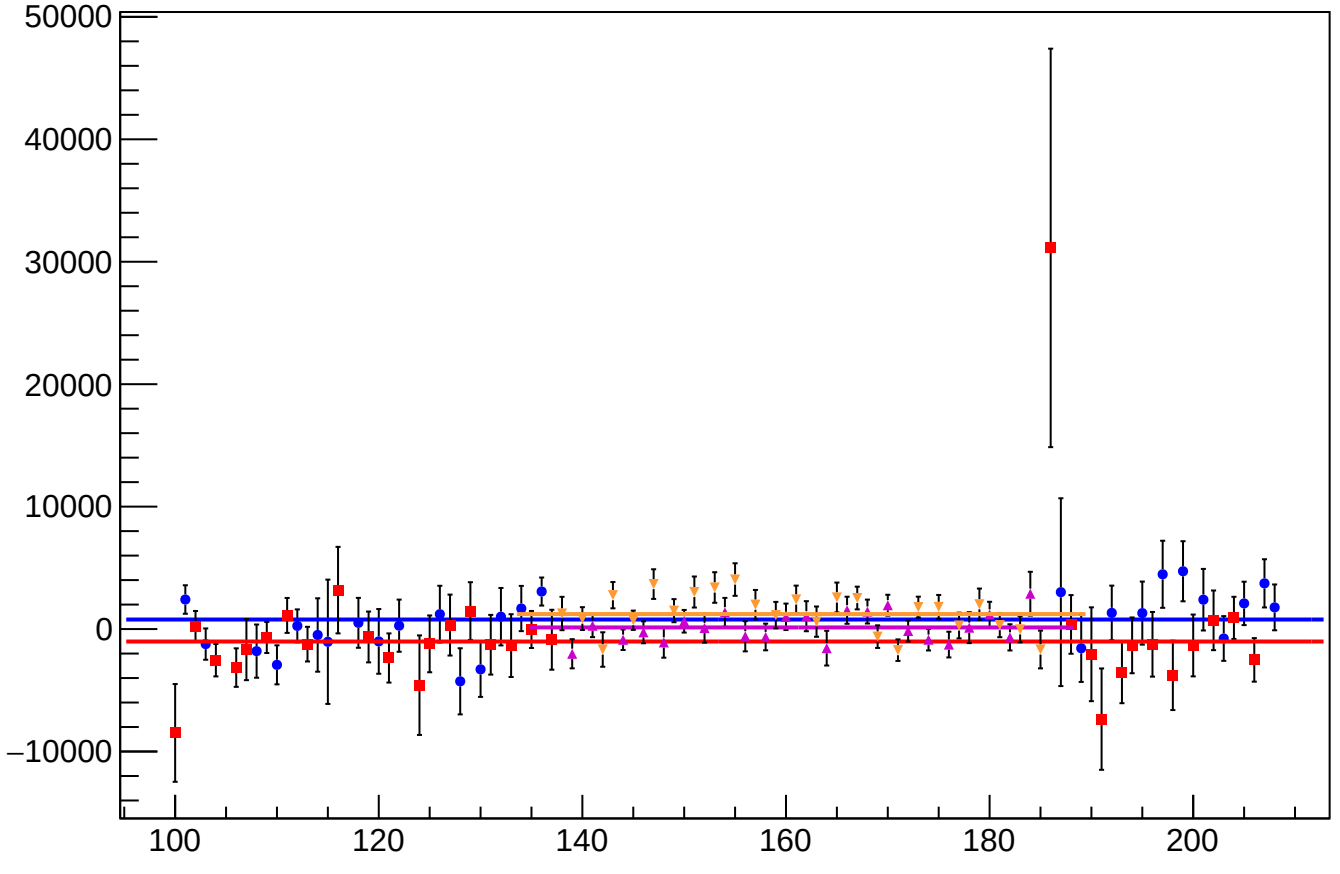
Right: 1398.153+/-0.186 χ^2/NDF: 7624475.3/57

In: 1059.234+/-0.135 χ^2/NDF:6255466.0/49

Out: 1050.737+/-0.132 χ^2/NDF:7419588.2/55

All: 1054.876+/-0.094 χ^2/NDF: 13677087.5/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 779.668+/-374.222 χ^2/NDF: 32.8/26

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1016.663+/-366.853 χ^2/NDF: 25.7/30

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

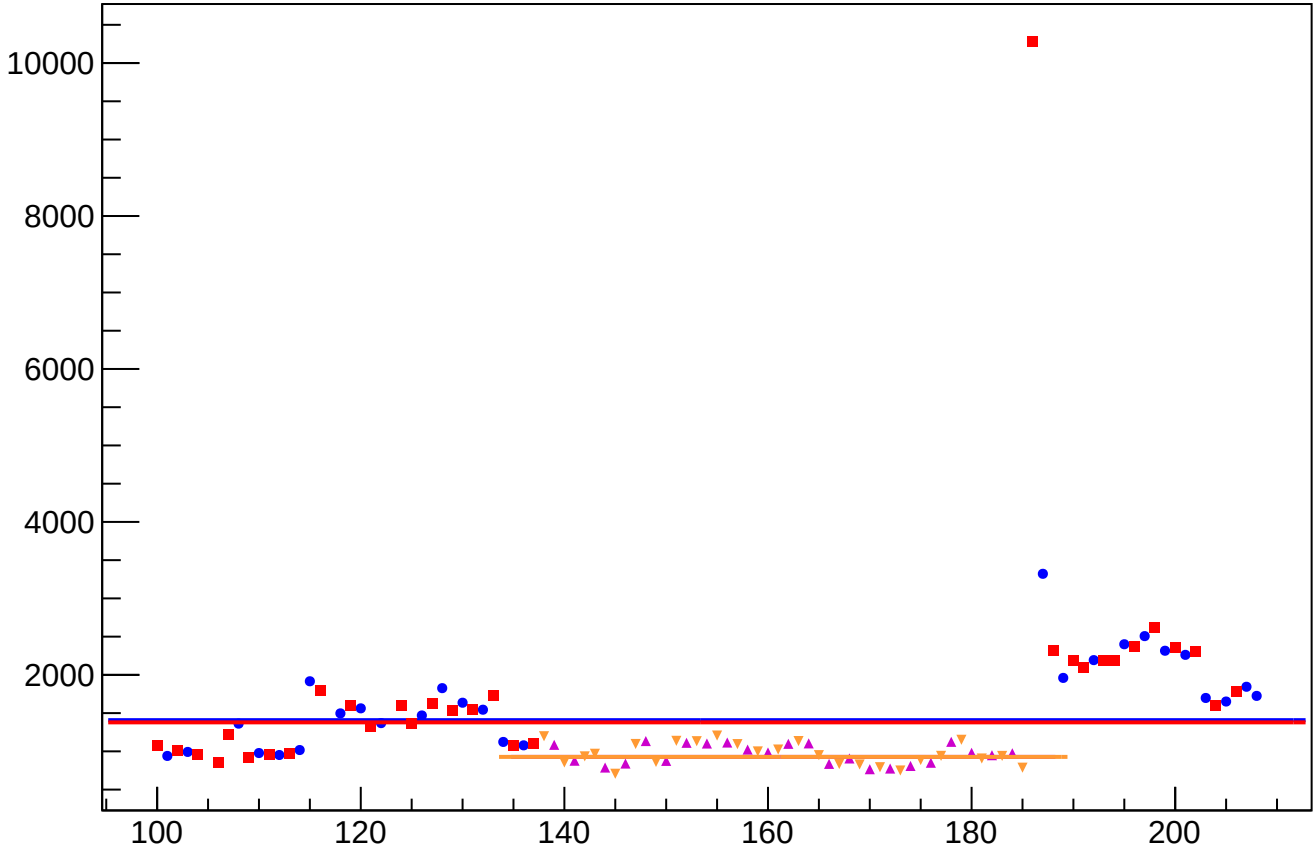
Right: -136.357+/-261.971 χ^2/NDF: 70.3/57

In: 298.158+/-189.191 χ^2/NDF:60.9/49

Out: 656.876+/-184.747 χ^2/NDF:102.1/55

All: 481.780+/-132.179 χ^2/NDF: 164.8/105

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1407.878+/-0.265 χ^2/NDF: 3085781.1/26

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1379.096+/-0.259 χ^2/NDF: 4376314.8/30

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

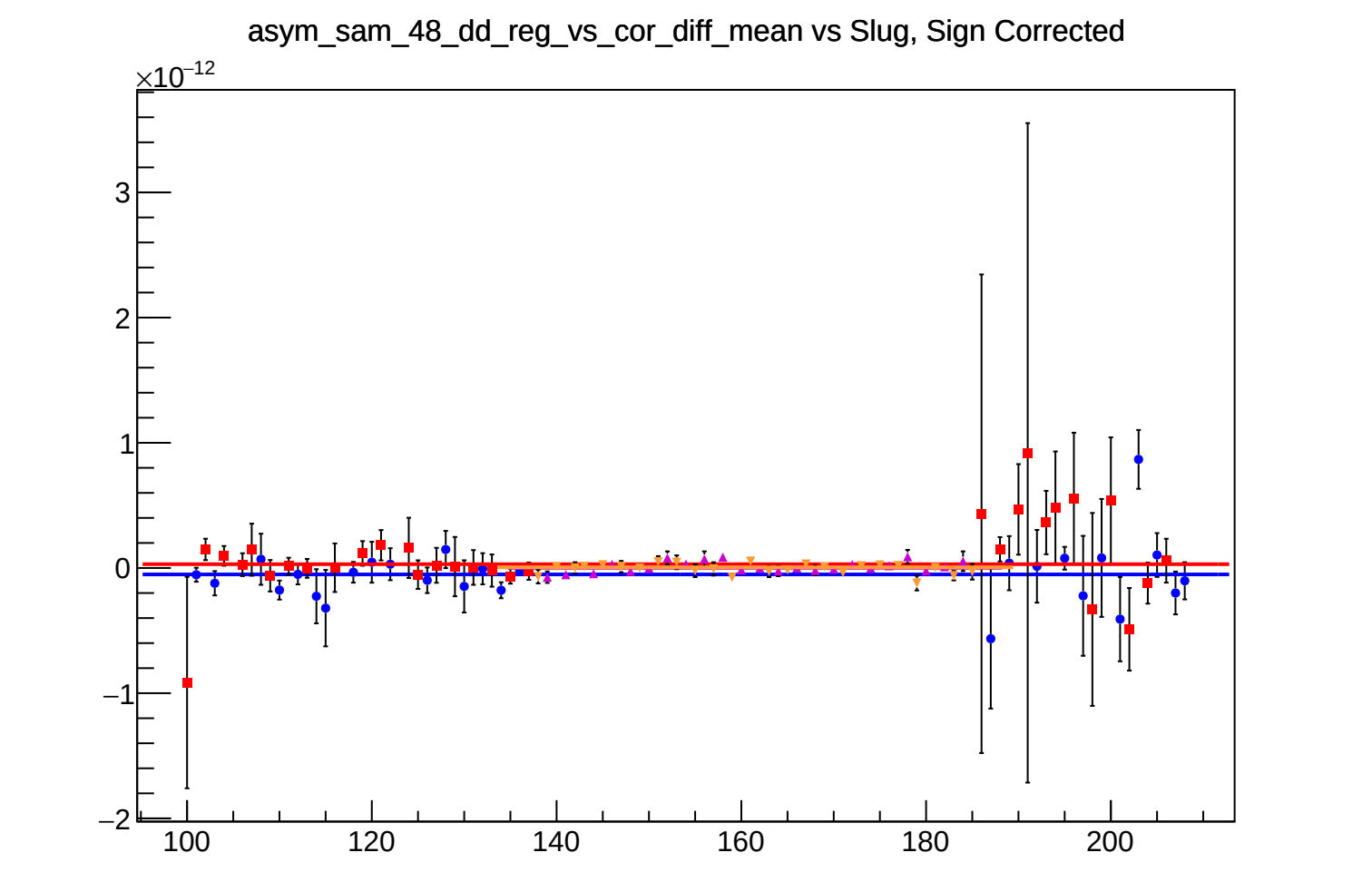
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1393.201+/-0.185 χ^2/NDF: 7468128.6/57

In: 1050.146+/-0.134 χ^2/NDF:6197439.6/49

Out: 1042.112+/-0.131 χ^2/NDF:7512436.0/55

All: 1046.034+/-0.093 χ^2/NDF: 13711721.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

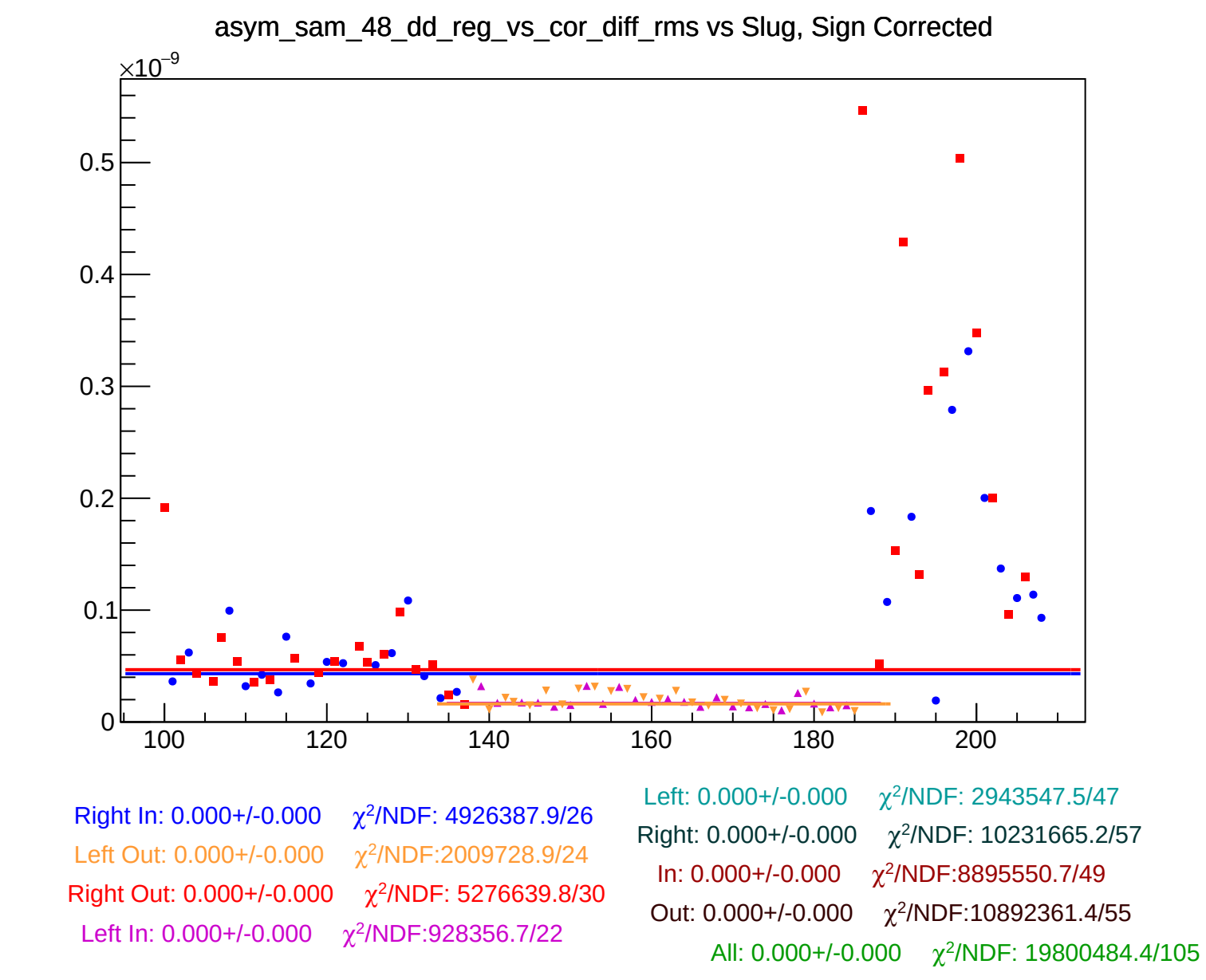
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

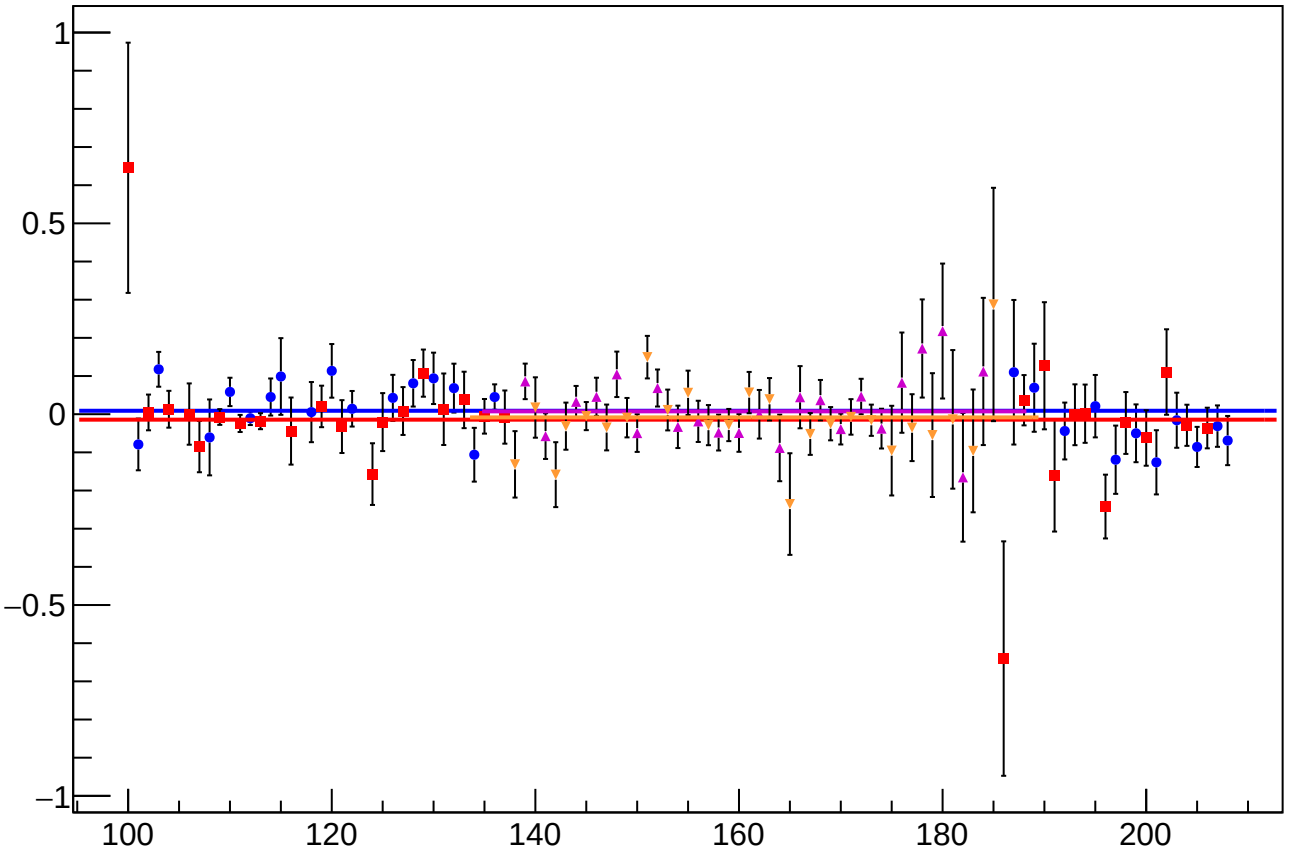
Right: -0.000+/-0.000 χ^2/NDF: 64.8/57

In: -0.000+/-0.000 χ^2/NDF:67.9/49

Out: 0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 119.2/105


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4926387.9/26
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5276639.8/30
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
Left: 0.000+/-0.000 χ²/NDF: 2943547.5/47
Right: 0.000+/-0.000 χ²/NDF: 10231665.2/57
In: 0.000+/-0.000 χ²/NDF:8895550.7/49
Out: 0.000+/-0.000 χ²/NDF:10892361.4/55
All: 0.000+/-0.000 χ²/NDF: 19800484.4/105



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

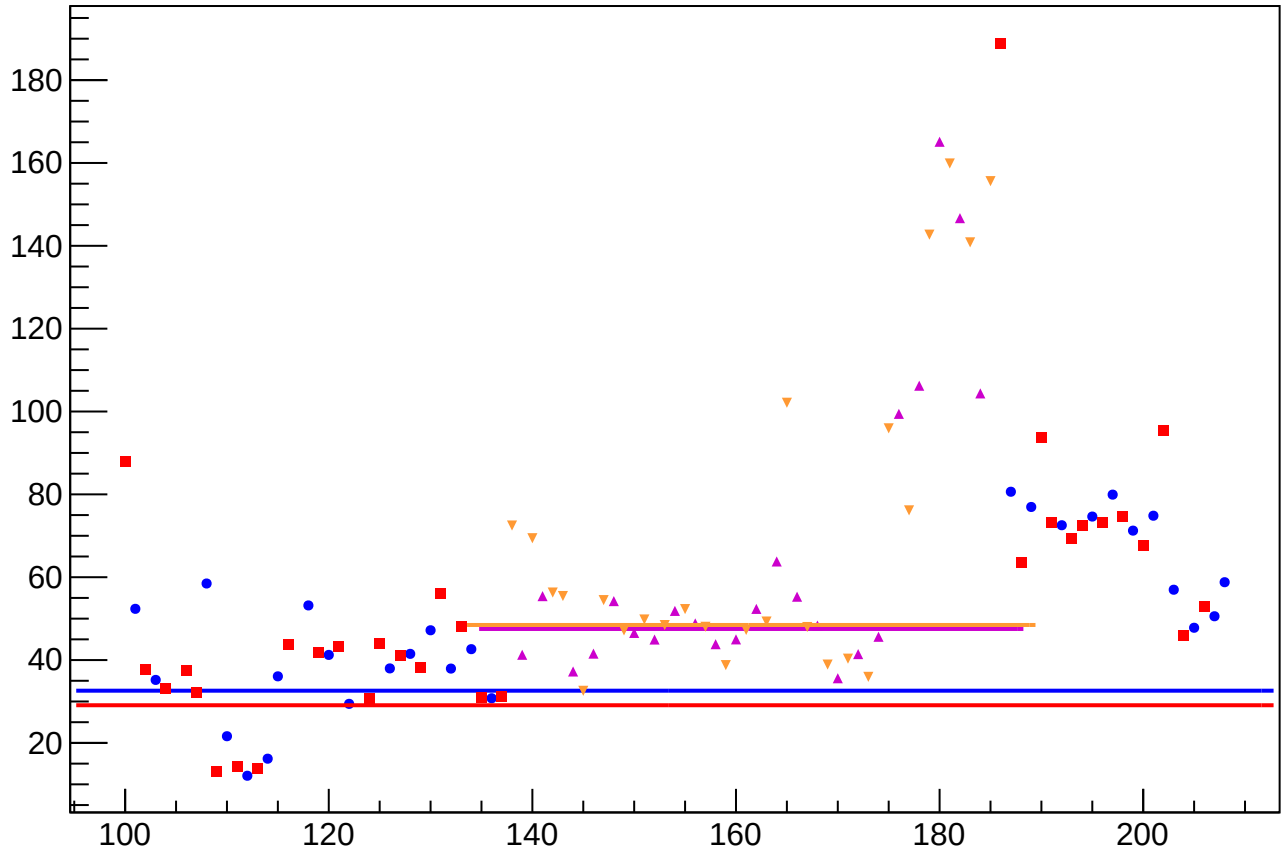
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.004+/-0.007 χ^2/NDF: 67.4/57

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.003+/-0.005 χ^2/NDF: 114.8/105



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

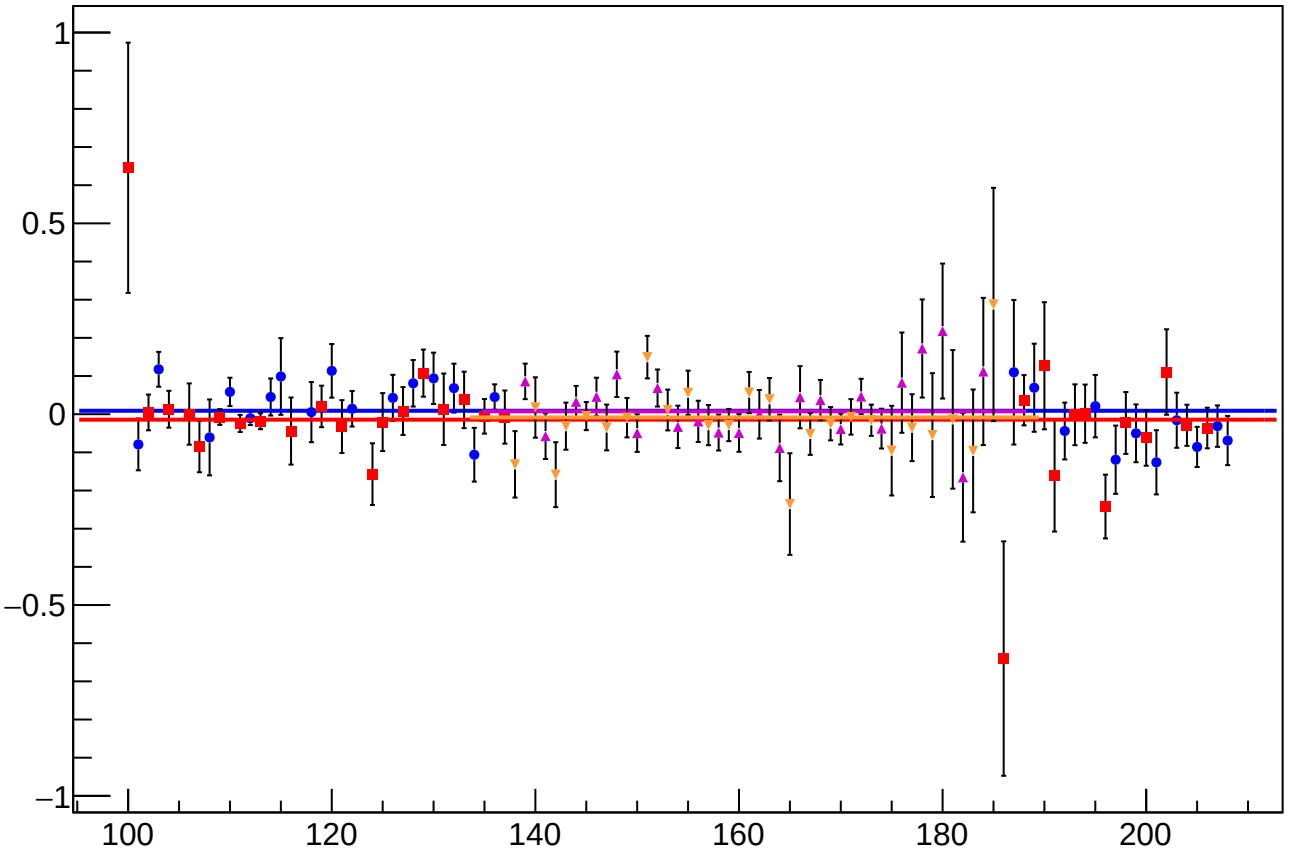
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.682+/-0.005 χ^2/NDF: 17786505.5/57

In: 38.633+/-0.005 χ^2/NDF:12747154.1/49

Out: 36.072+/-0.005 χ^2/NDF:17509802.5/55

All: 37.276+/-0.004 χ^2/NDF: 30375640.6/105



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

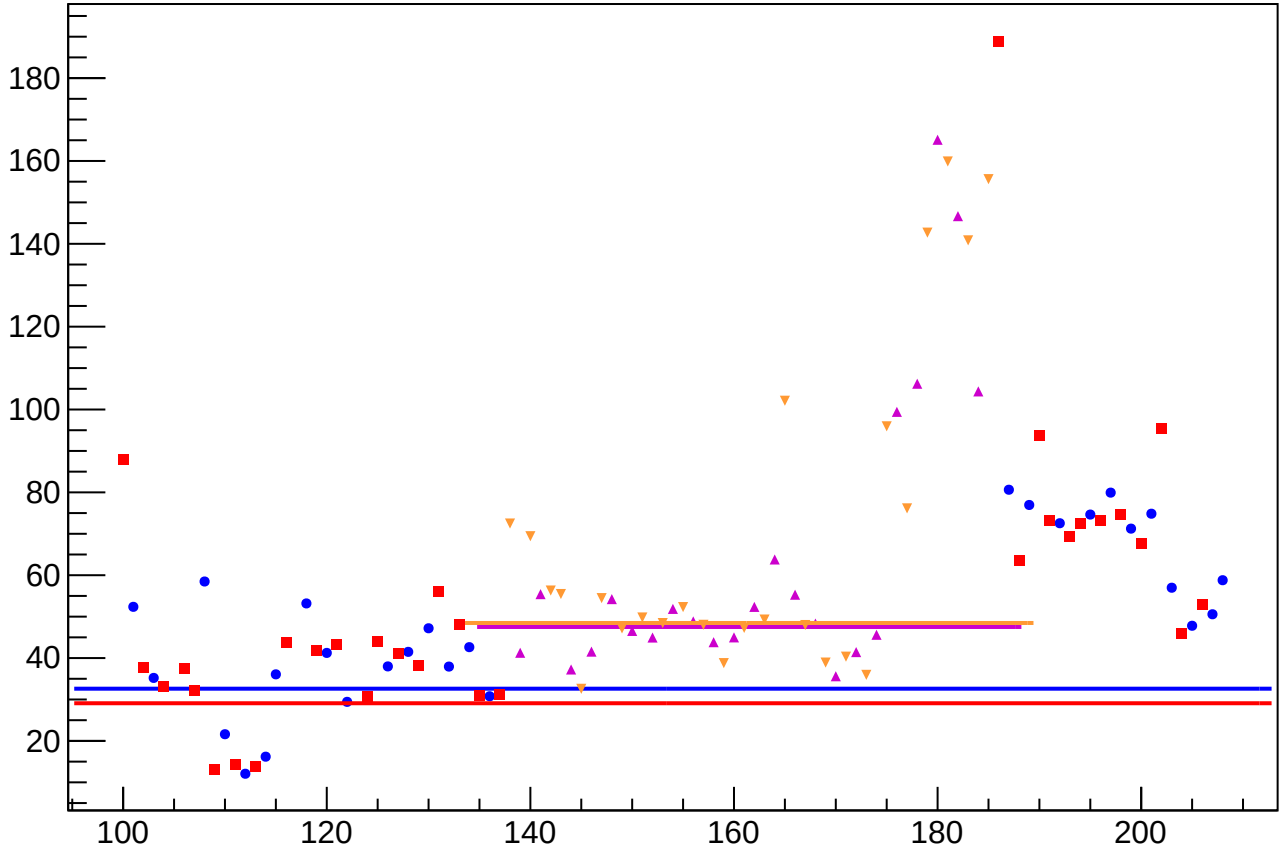
Right: -0.004+/-0.007 χ^2/NDF: 67.4/57

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.003+/-0.005 χ^2/NDF: 114.8/105

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

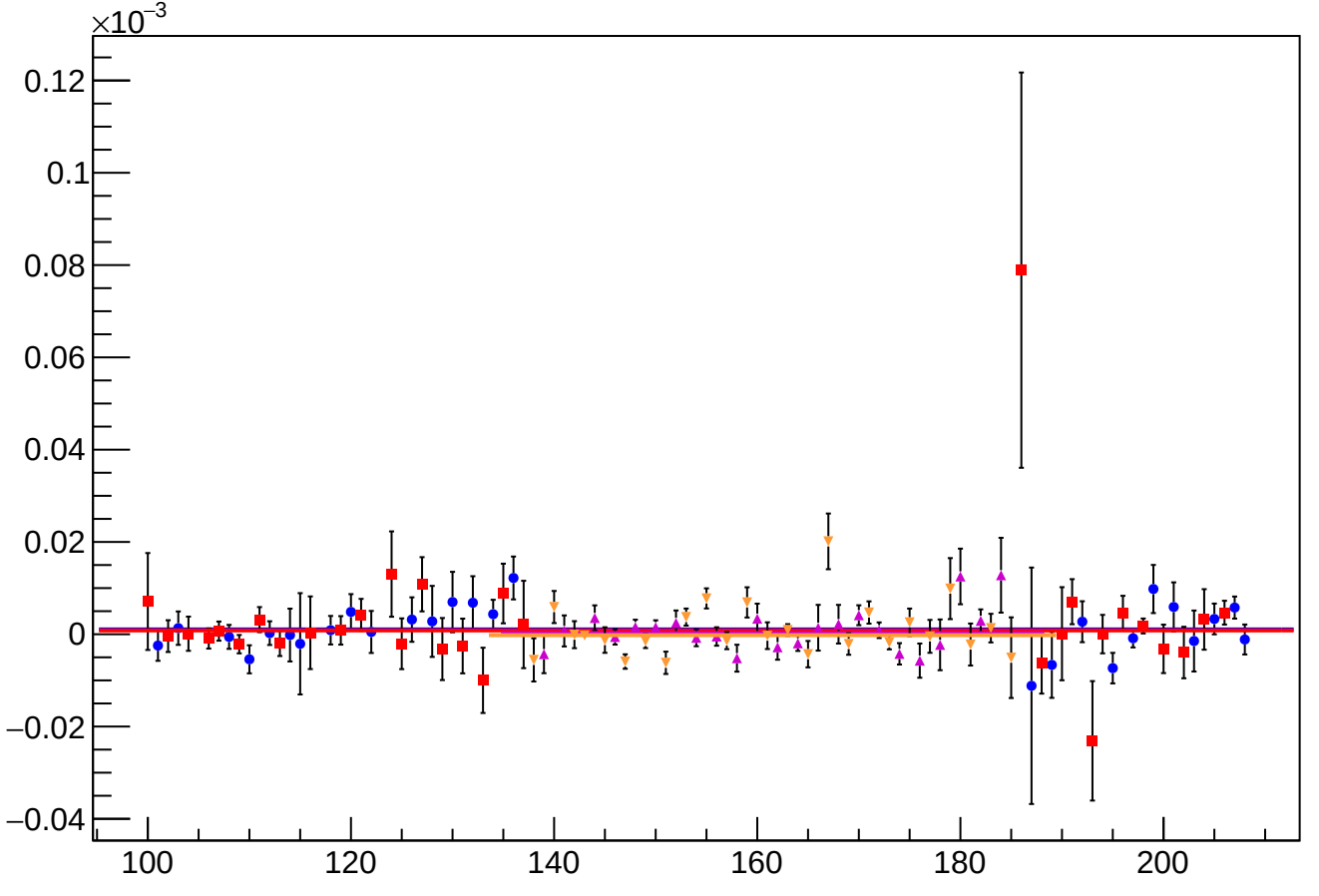
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.682+/-0.005 χ^2/NDF: 17786505.5/57

In: 38.633+/-0.005 χ^2/NDF:12747154.1/49

Out: 36.072+/-0.005 χ^2/NDF:17509802.5/55

All: 37.276+/-0.004 χ^2/NDF: 30375640.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/30

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

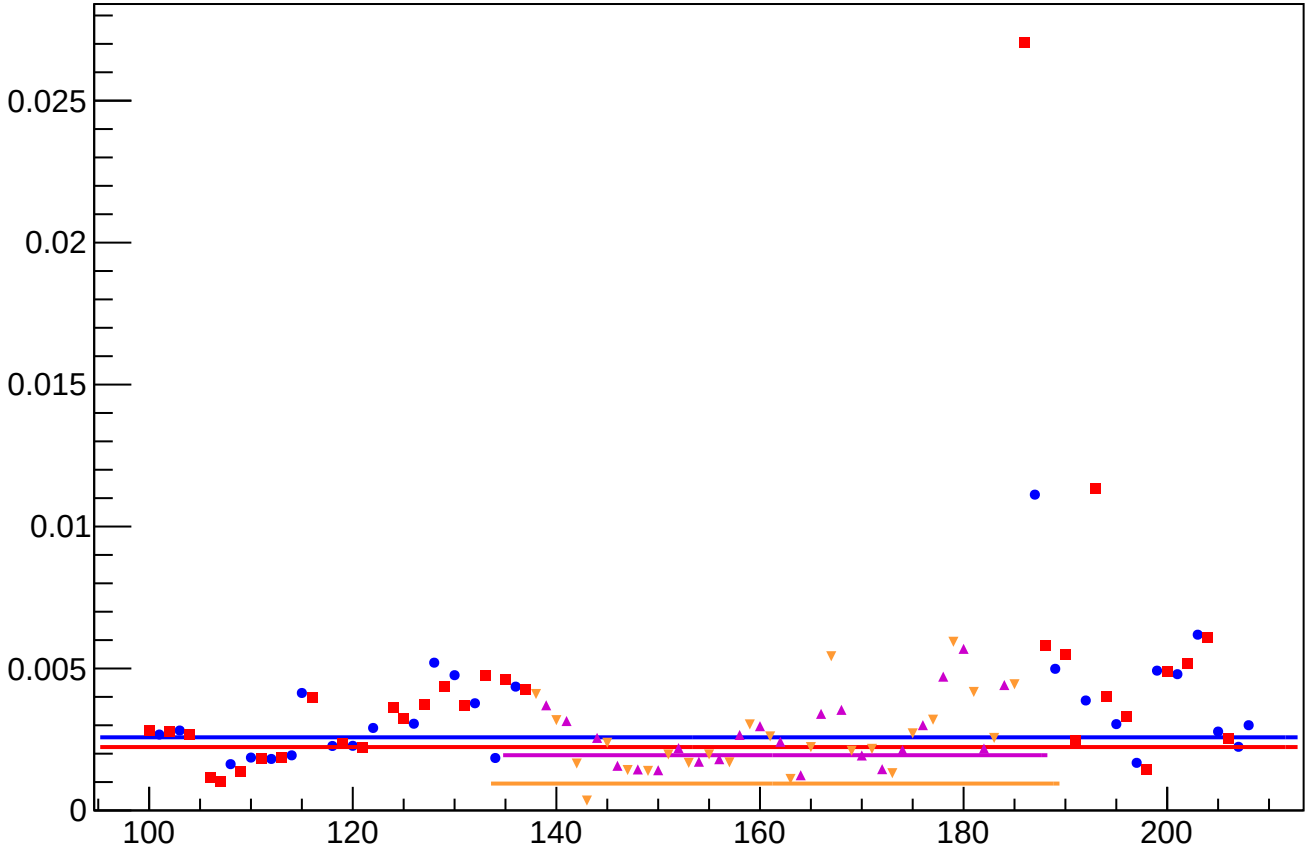
Right: 0.000+/-0.000 χ^2/NDF: 64.0/57

In: 0.000+/-0.000 χ^2/NDF:65.4/49

Out: -0.000+/-0.000 χ^2/NDF:104.0/55

All: 0.000+/-0.000 χ^2/NDF: 170.6/105

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4138862.2/26

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8247242.1/30

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

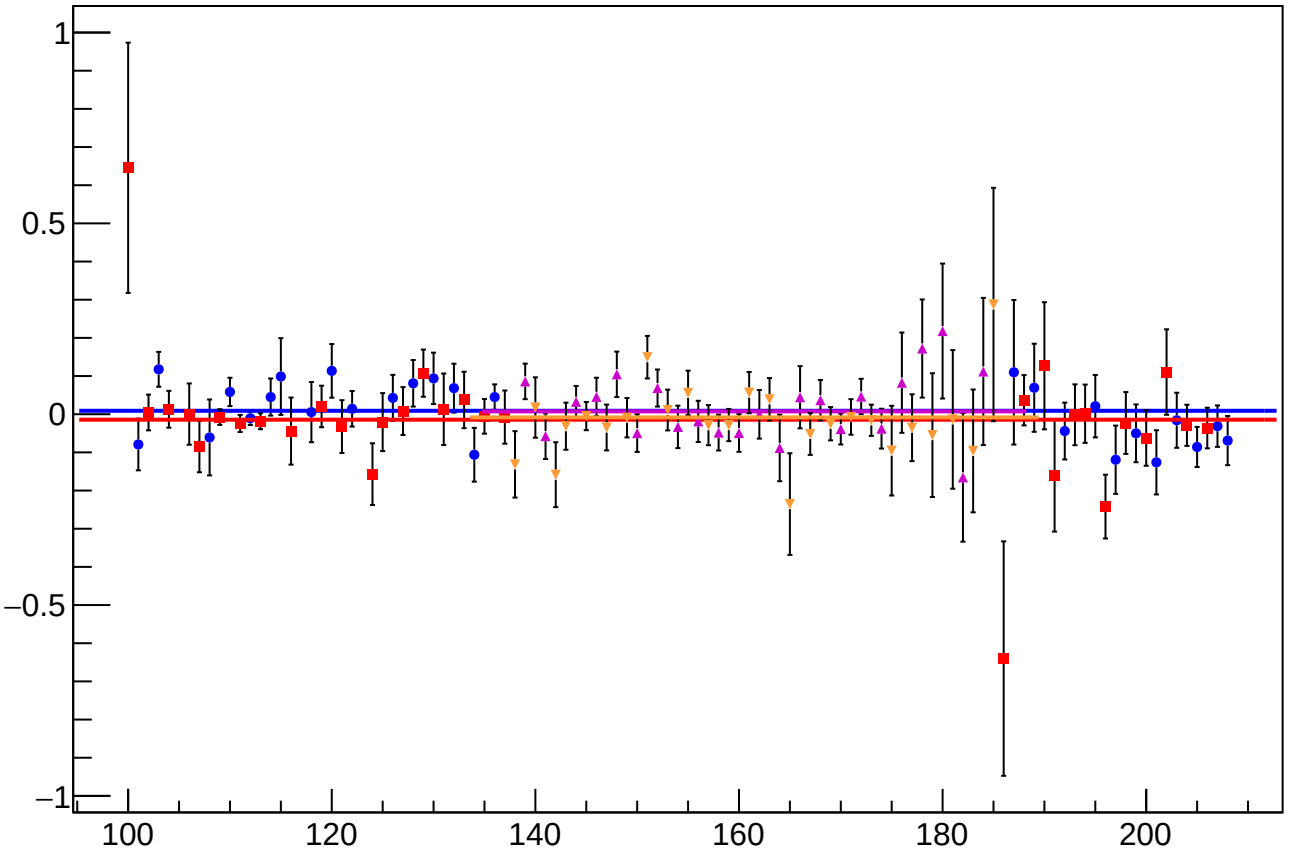
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 12638654.2/57

In: 0.002+/-0.000 χ^2/NDF:9554394.5/49

Out: 0.001+/-0.000 χ^2/NDF:32257787.2/55

All: 0.001+/-0.000 χ^2/NDF: 49774723.8/105



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

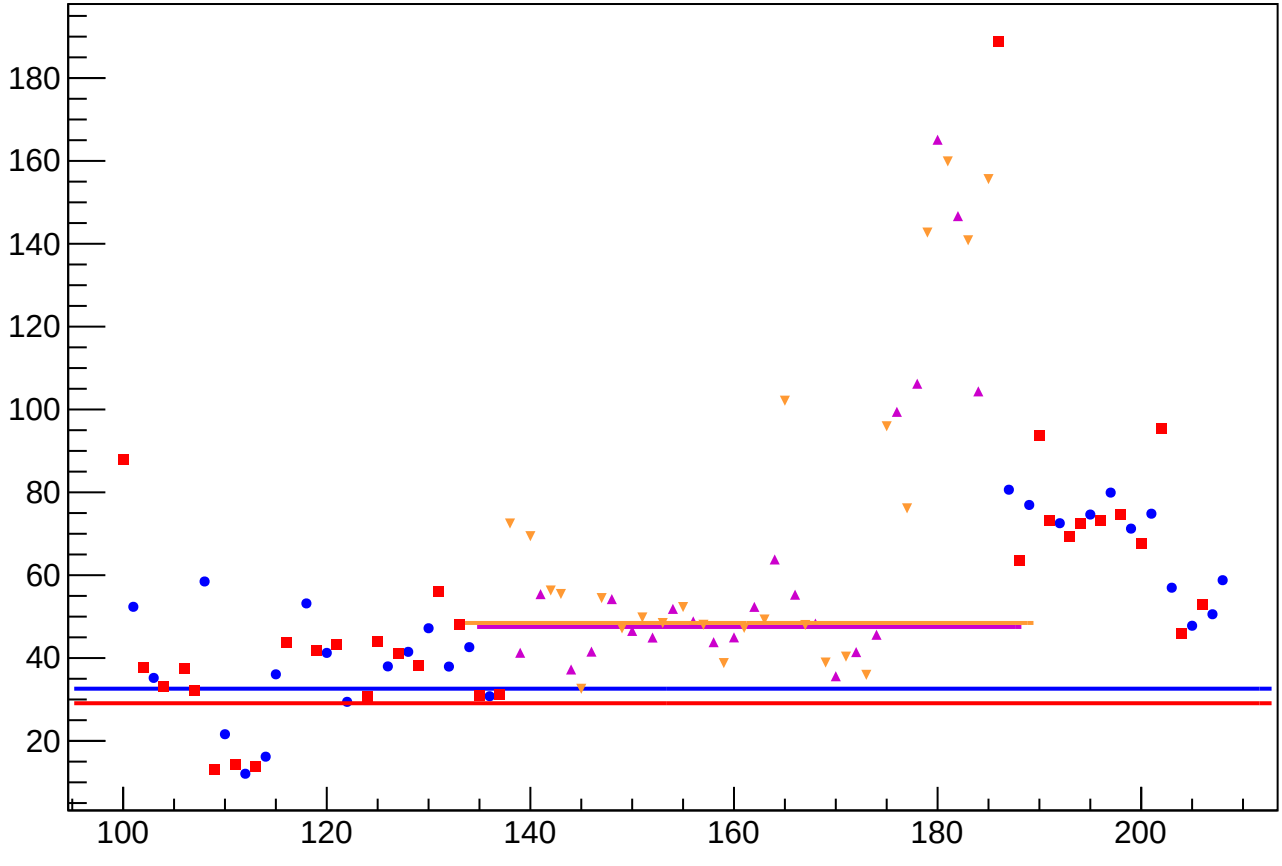
Right: -0.004+/-0.007 χ^2/NDF: 67.4/57

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.003+/-0.005 χ^2/NDF: 114.8/105

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

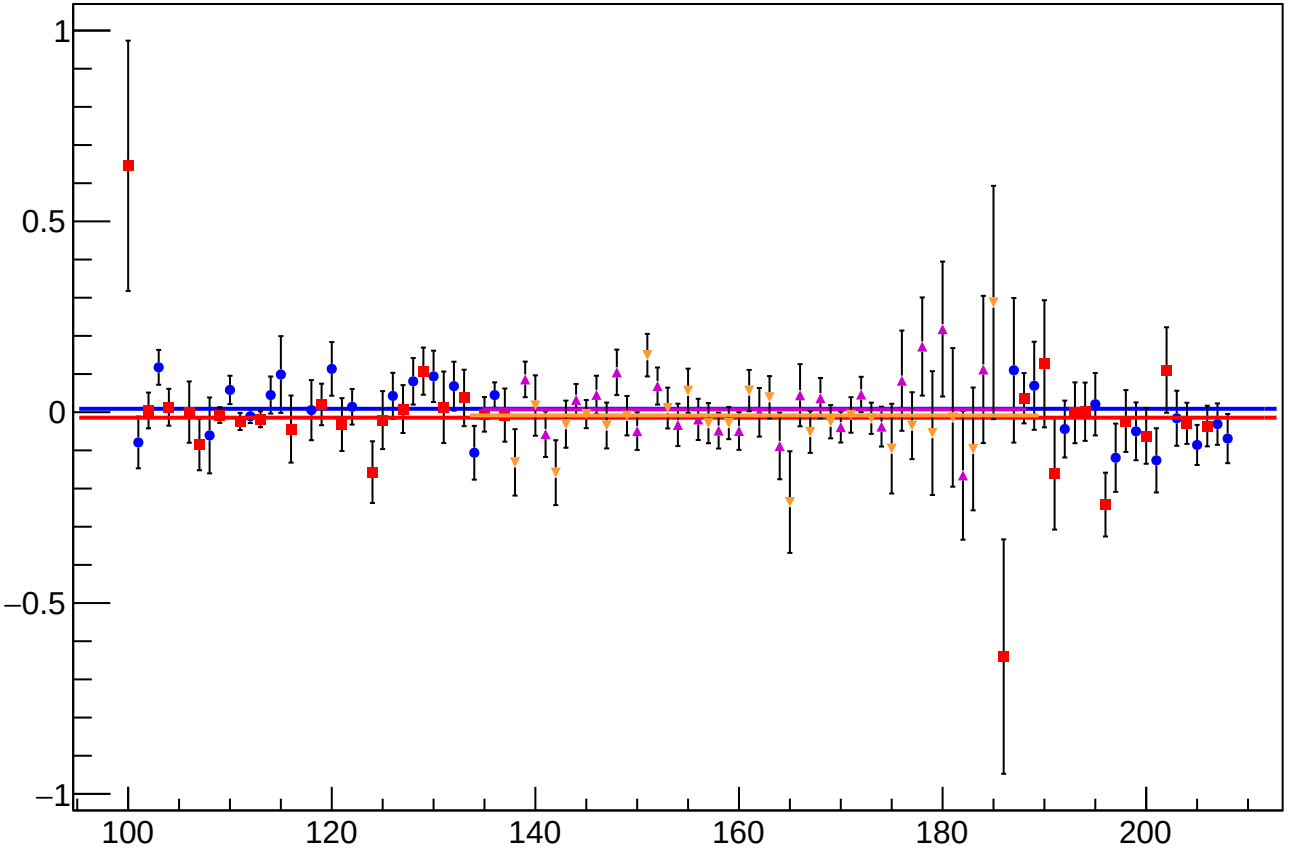
Right: 30.681+/-0.005 χ^2/NDF: 17787445.5/57

In: 38.632+/-0.005 χ^2/NDF:12748294.1/49

Out: 36.072+/-0.005 χ^2/NDF:17510239.4/55

All: 37.275+/-0.004 χ^2/NDF: 30377152.8/105

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

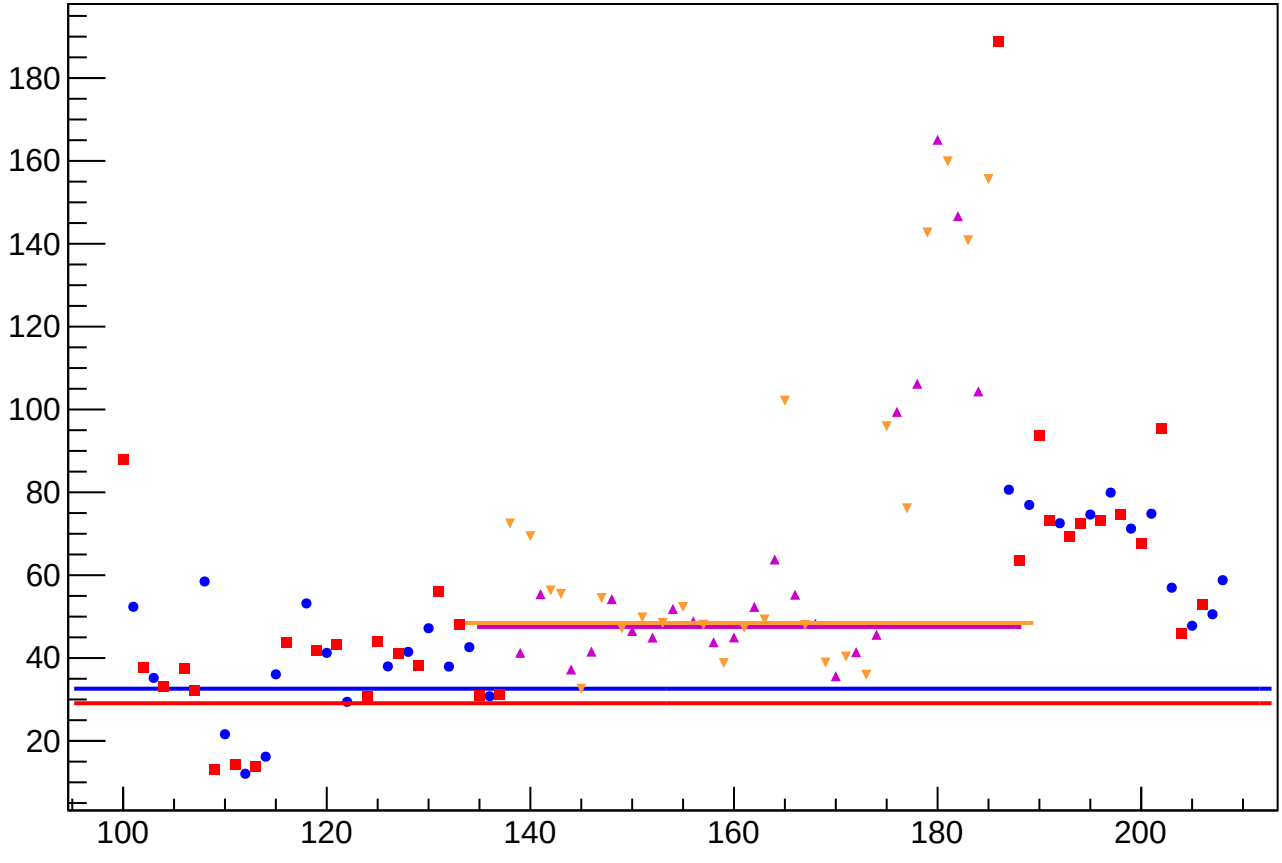
Right: -0.004+/-0.007 χ^2/NDF: 67.4/57

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.003+/-0.005 χ^2/NDF: 114.8/105

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

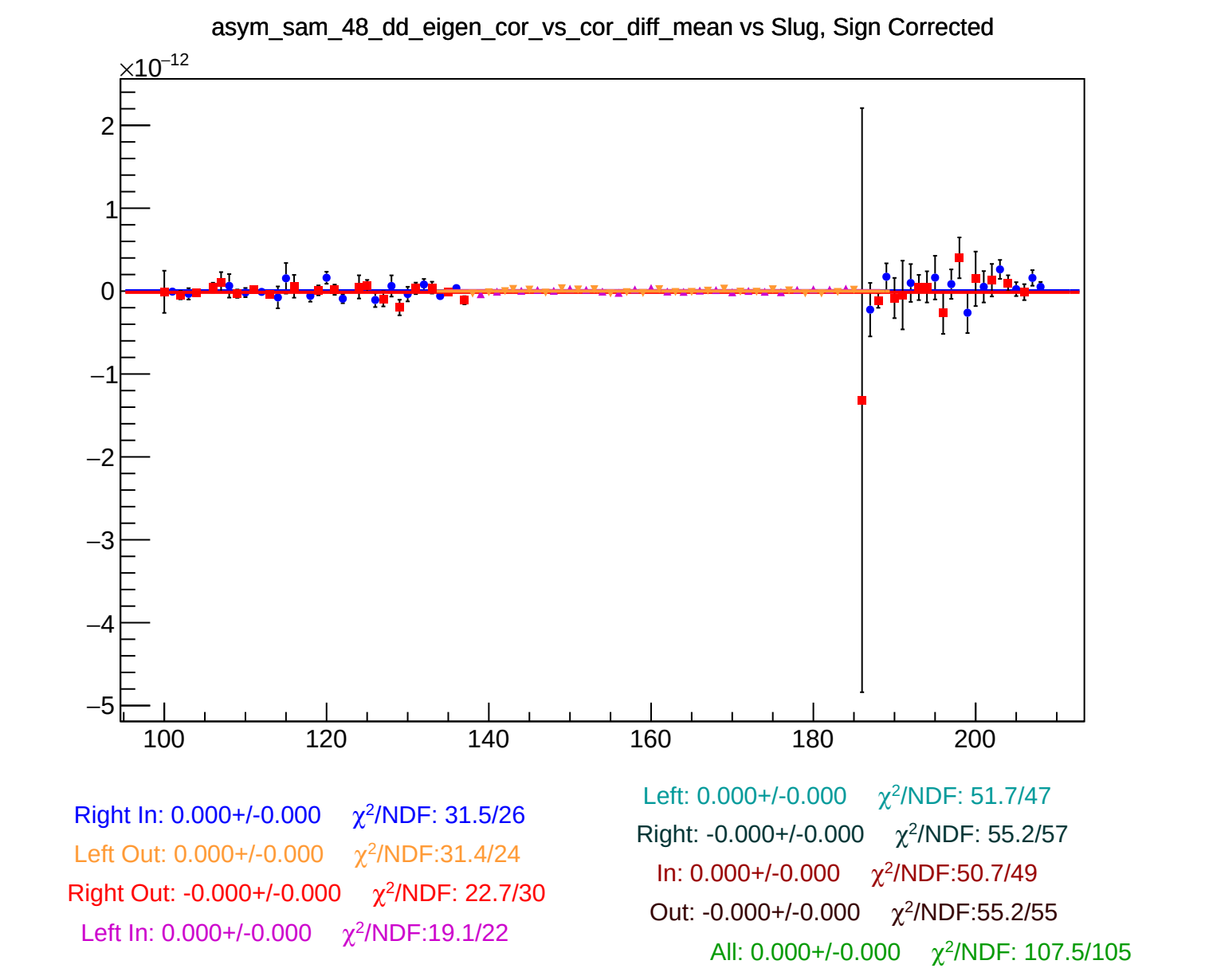
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

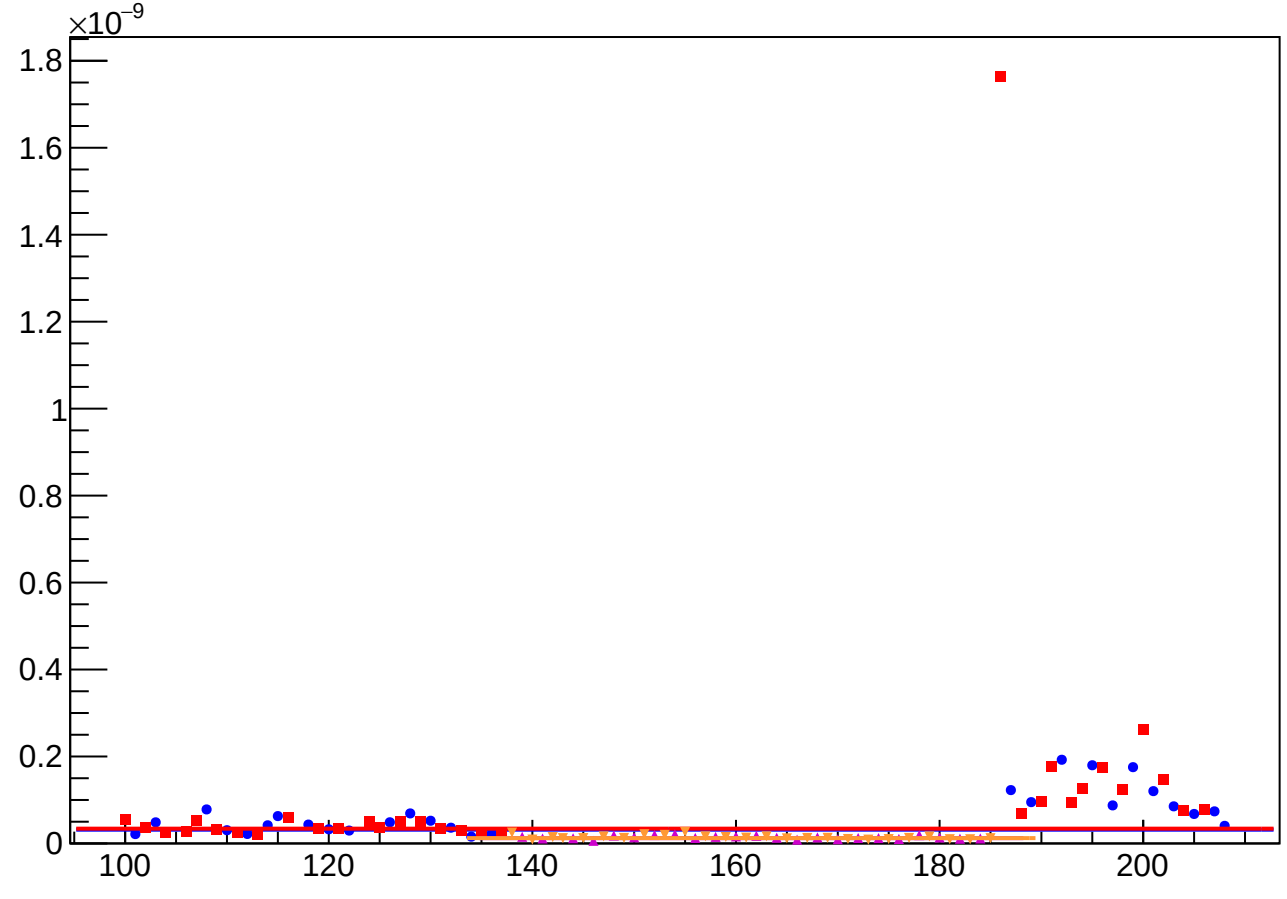
Right: 30.681+/-0.005 χ^2/NDF: 17787445.5/57

In: 38.632+/-0.005 χ^2/NDF:12748294.1/49

Out: 36.072+/-0.005 χ^2/NDF:17510239.4/55

All: 37.275+/-0.004 χ^2/NDF: 30377152.8/105


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 31.5/26
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/30
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 55.2/57
In: 0.000+/-0.000 χ²/NDF:50.7/49
Out: -0.000+/-0.000 χ²/NDF:55.2/55
All: 0.000+/-0.000 χ²/NDF: 107.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 6695913.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436498.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

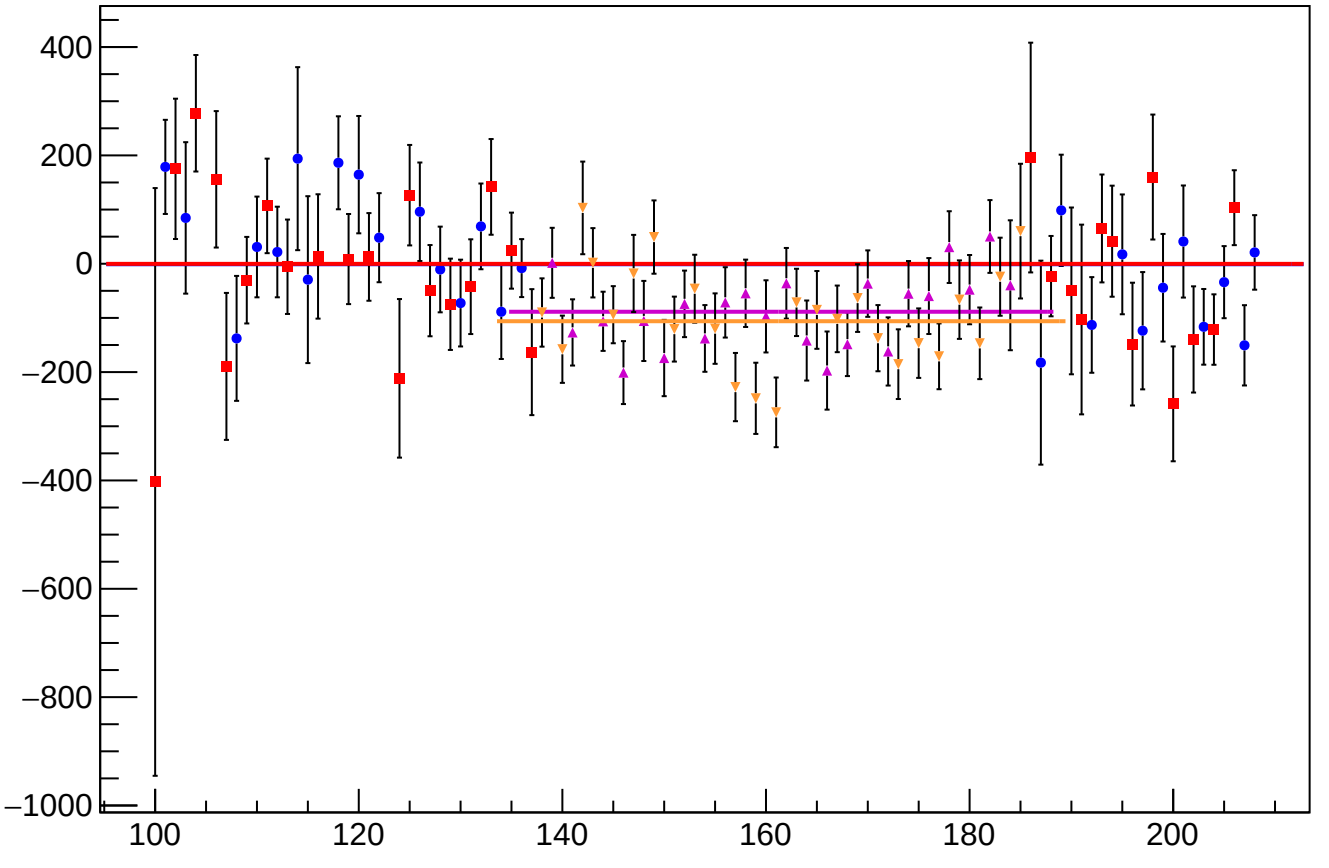
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13168525.1/57

In: 0.000+/-0.000 χ^2/NDF:13452253.4/49

Out: 0.000+/-0.000 χ^2/NDF:13781720.5/55

All: 0.000+/-0.000 χ^2/NDF: 27234117.3/105



Right In: -0.912+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -0.228+/-17.388 χ^2/NDF: 43.6/30

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

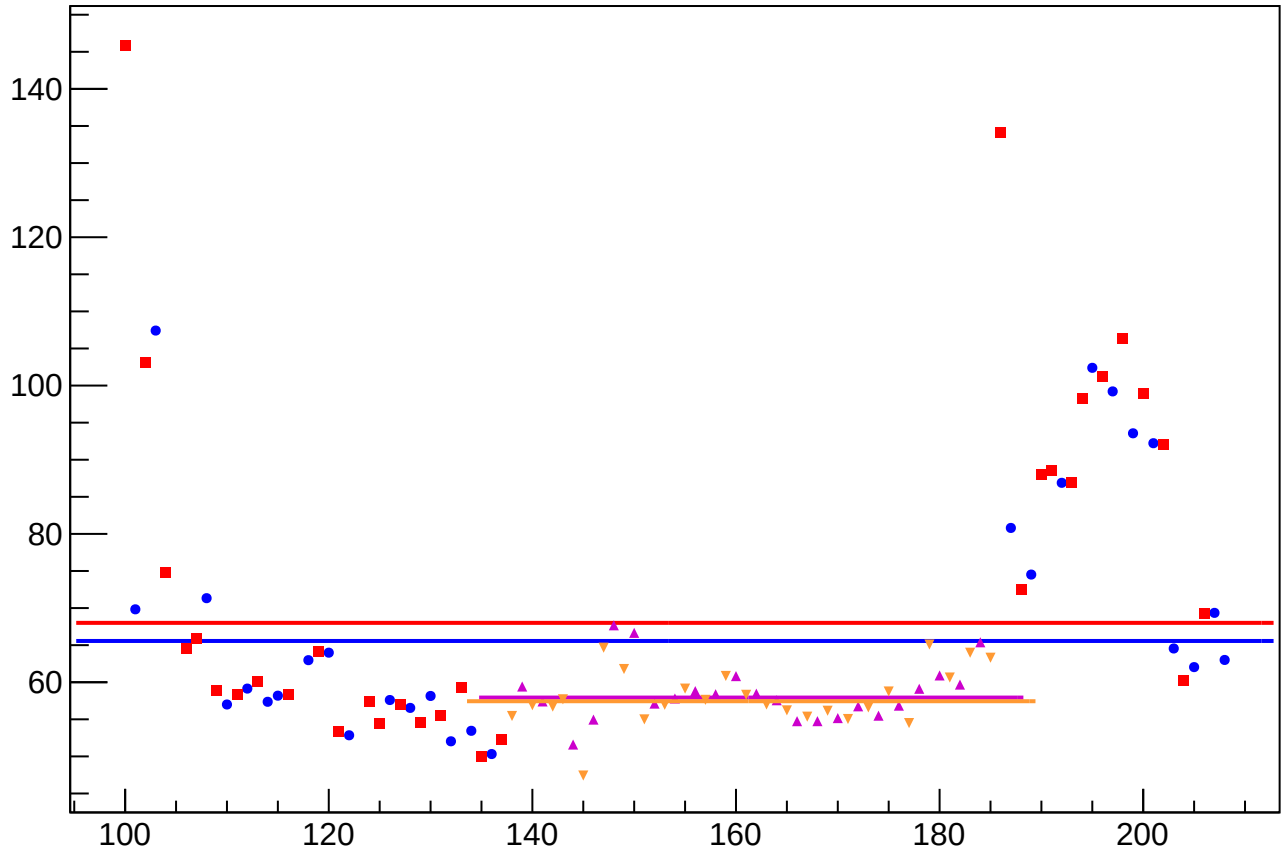
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: -0.579+/-12.139 χ^2/NDF: 74.7/57

In: -54.385+/-10.593 χ^2/NDF:71.4/49

Out: -67.806+/-10.457 χ^2/NDF:107.9/55

All: -61.182+/-7.442 χ^2/NDF: 180.1/105



Right In: 65.564+/-0.012 χ^2/NDF: 1461190.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.006+/-0.012 χ^2/NDF: 1938421.2/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

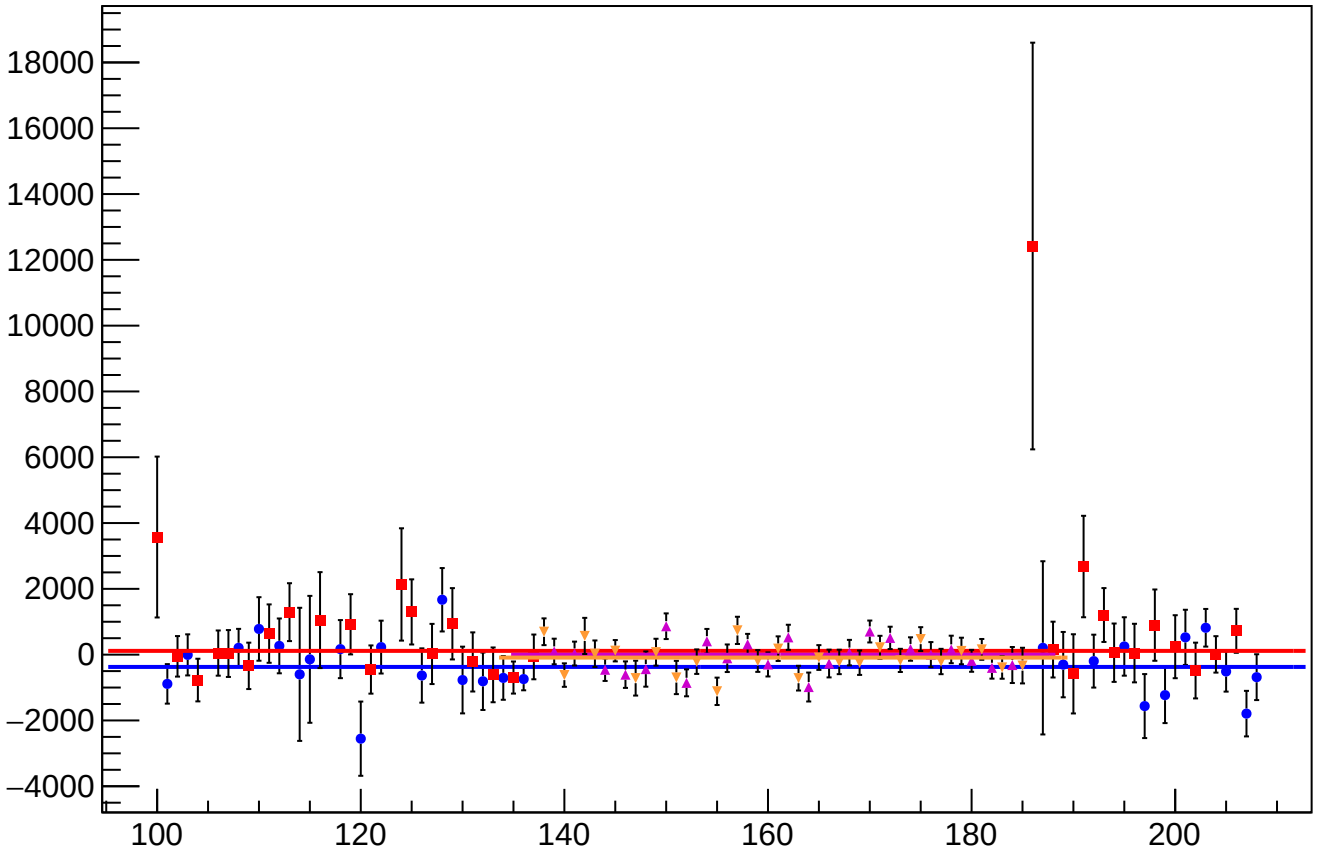
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.754+/-0.009 χ^2/NDF: 3419821.8/57

In: 60.912+/-0.007 χ^2/NDF:1844145.2/49

Out: 61.262+/-0.007 χ^2/NDF:2584321.9/55

All: 61.089+/-0.005 χ^2/NDF: 4429574.1/105



Right In: -373.371+/-143.790 χ^2/NDF: 28.3/26

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 114.574+/-148.704 χ^2/NDF: 26.2/30

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

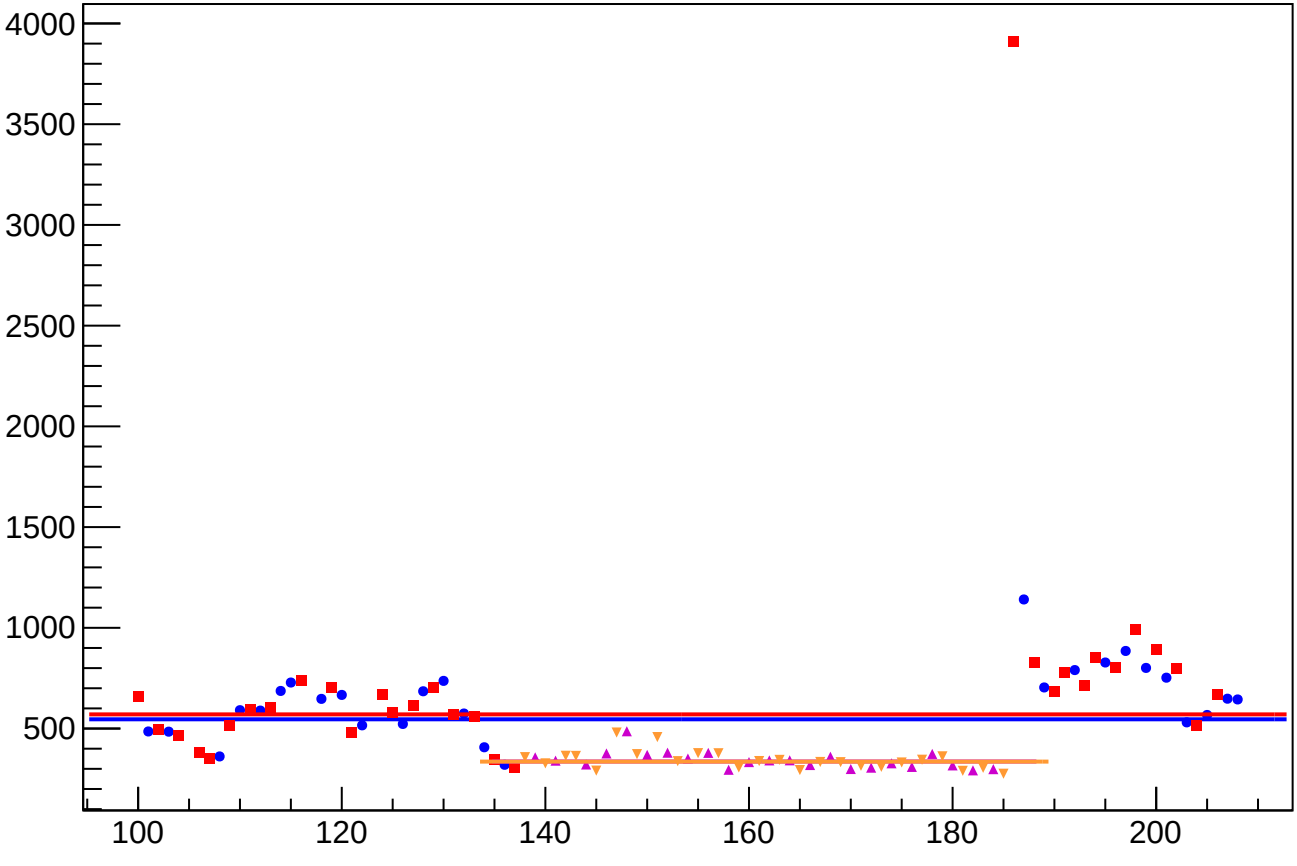
Right: -137.594+/-103.369 χ^2/NDF: 60.1/57

In: -89.233+/-69.368 χ^2/NDF:66.9/49

Out: -45.994+/-68.385 χ^2/NDF:57.6/55

All: -67.305+/-48.699 χ^2/NDF: 124.8/105

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 545.859+/-0.102 χ^2/NDF: 2583200.2/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 570.309+/-0.105 χ^2/NDF: 3266874.1/30

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

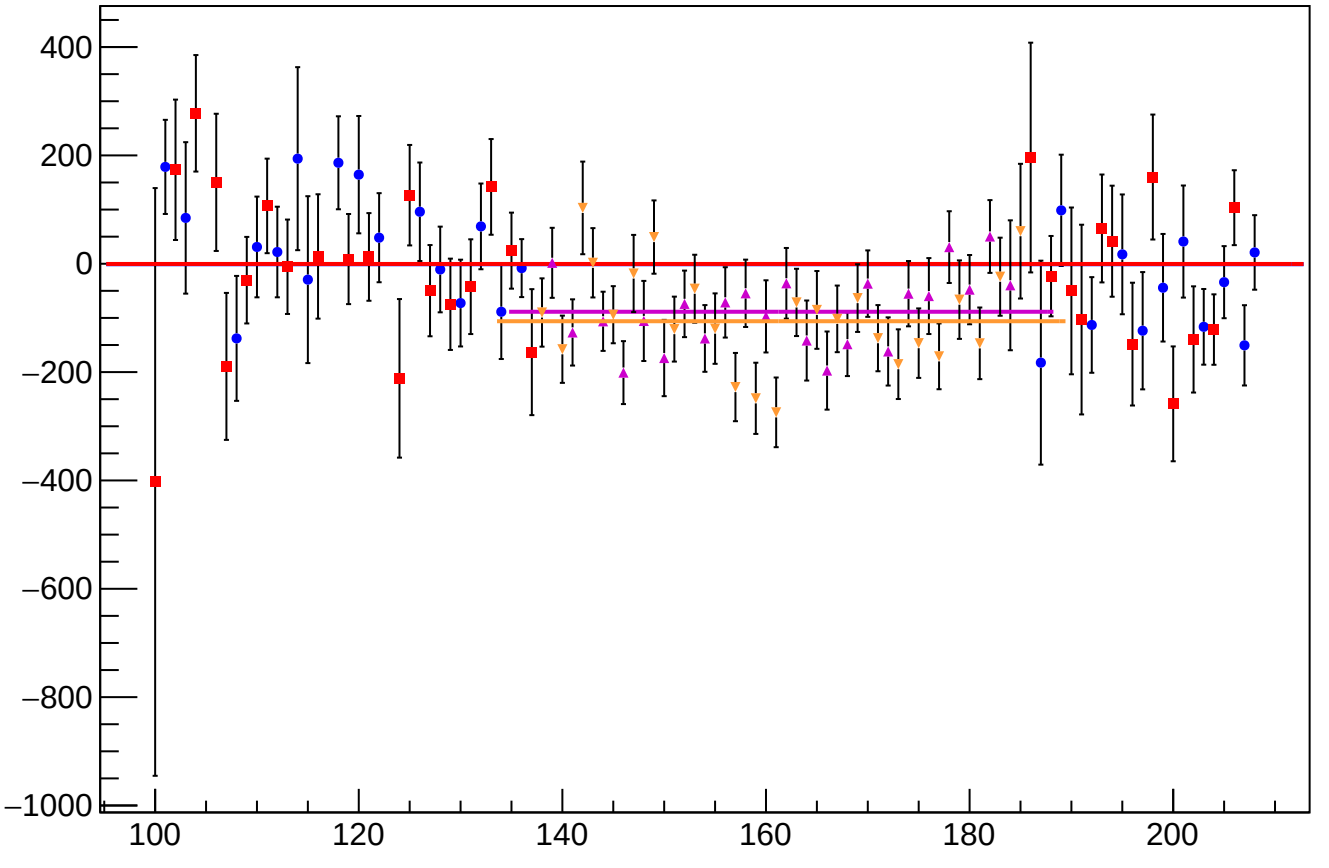
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 557.673+/-0.073 χ^2/NDF: 5878017.0/57

In: 385.105+/-0.049 χ^2/NDF:6255383.6/49

Out: 385.468+/-0.048 χ^2/NDF:7719607.9/55

All: 385.289+/-0.034 χ^2/NDF: 13975019.4/10



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -0.403+/-17.390 χ^2/NDF: 43.4/30

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

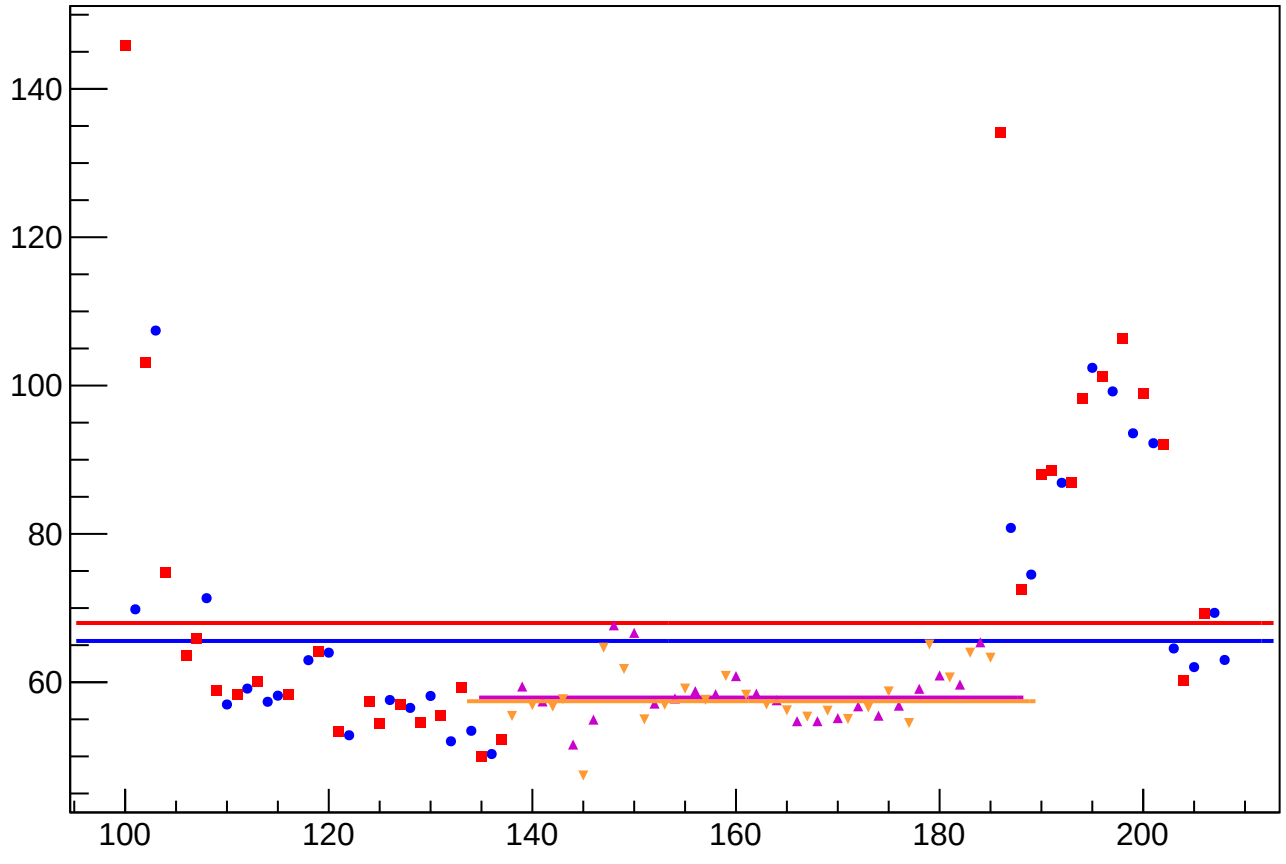
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -0.666+/-12.140 χ^2/NDF: 74.5/57

In: -54.388+/-10.593 χ^2/NDF:71.4/49

Out: -67.875+/-10.458 χ^2/NDF:107.7/55

All: -61.218+/-7.442 χ^2/NDF: 179.8/105



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

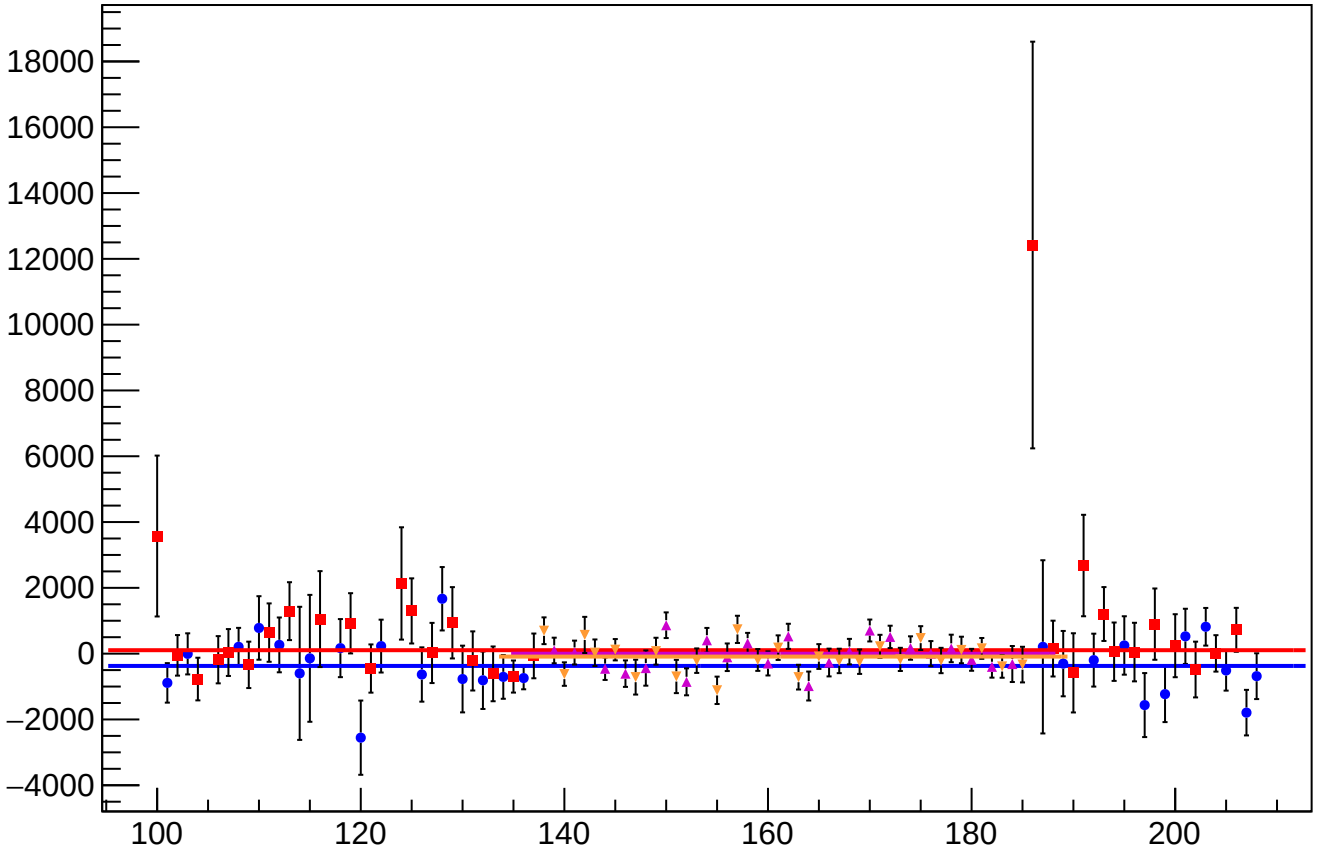
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.746+/-0.009 χ^2/NDF: 3420685.3/57

In: 60.912+/-0.007 χ^2/NDF:1844147.2/49

Out: 61.255+/-0.007 χ^2/NDF:2583833.7/55

All: 61.085+/-0.005 χ^2/NDF: 4429044.4/105



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 104.831+/-149.007 χ^2/NDF: 26.4/30

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

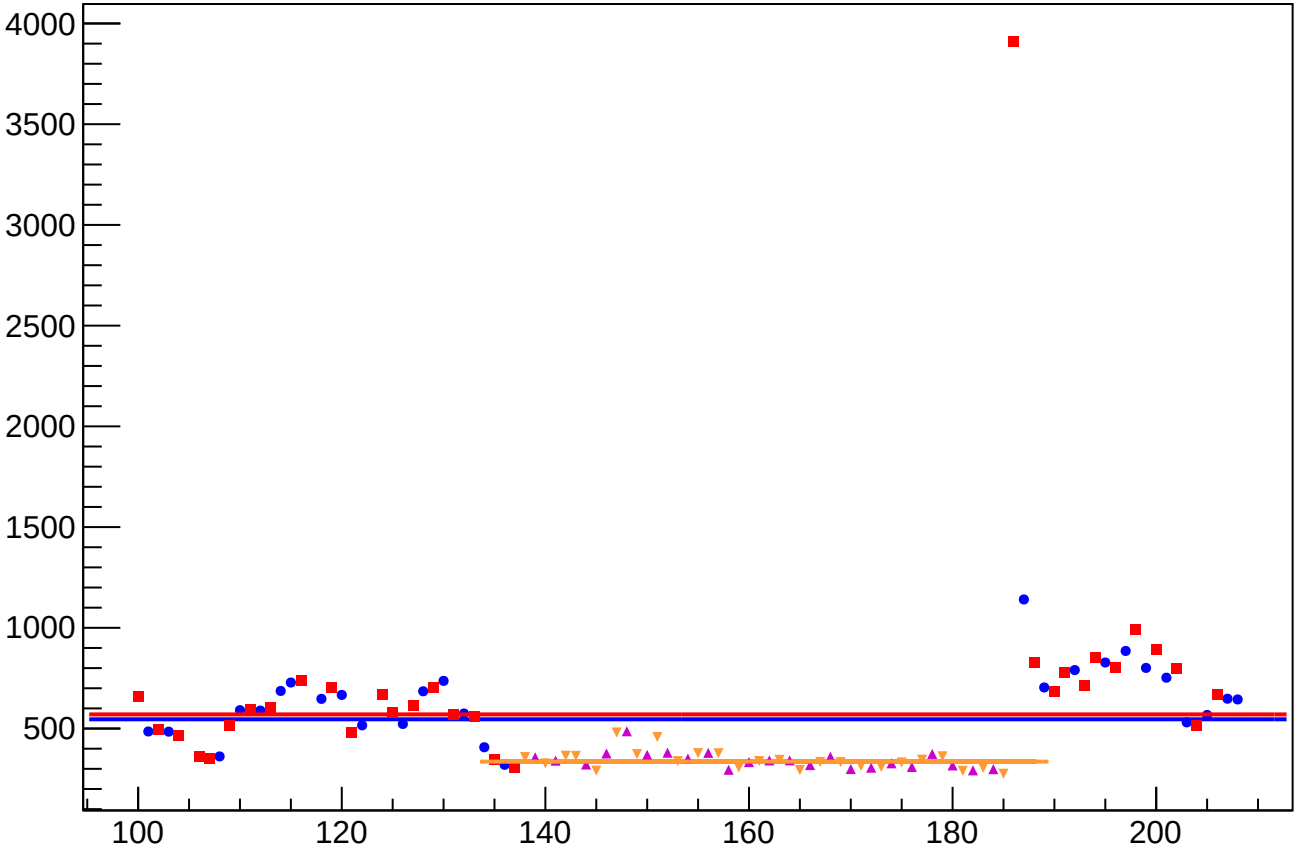
Right: -142.776+/-103.470 χ^2/NDF: 60.0/57

In: -89.230+/-69.368 χ^2/NDF:66.9/49

Out: -48.188+/-68.414 χ^2/NDF:57.6/55

All: -68.424+/-48.710 χ^2/NDF: 124.8/105

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

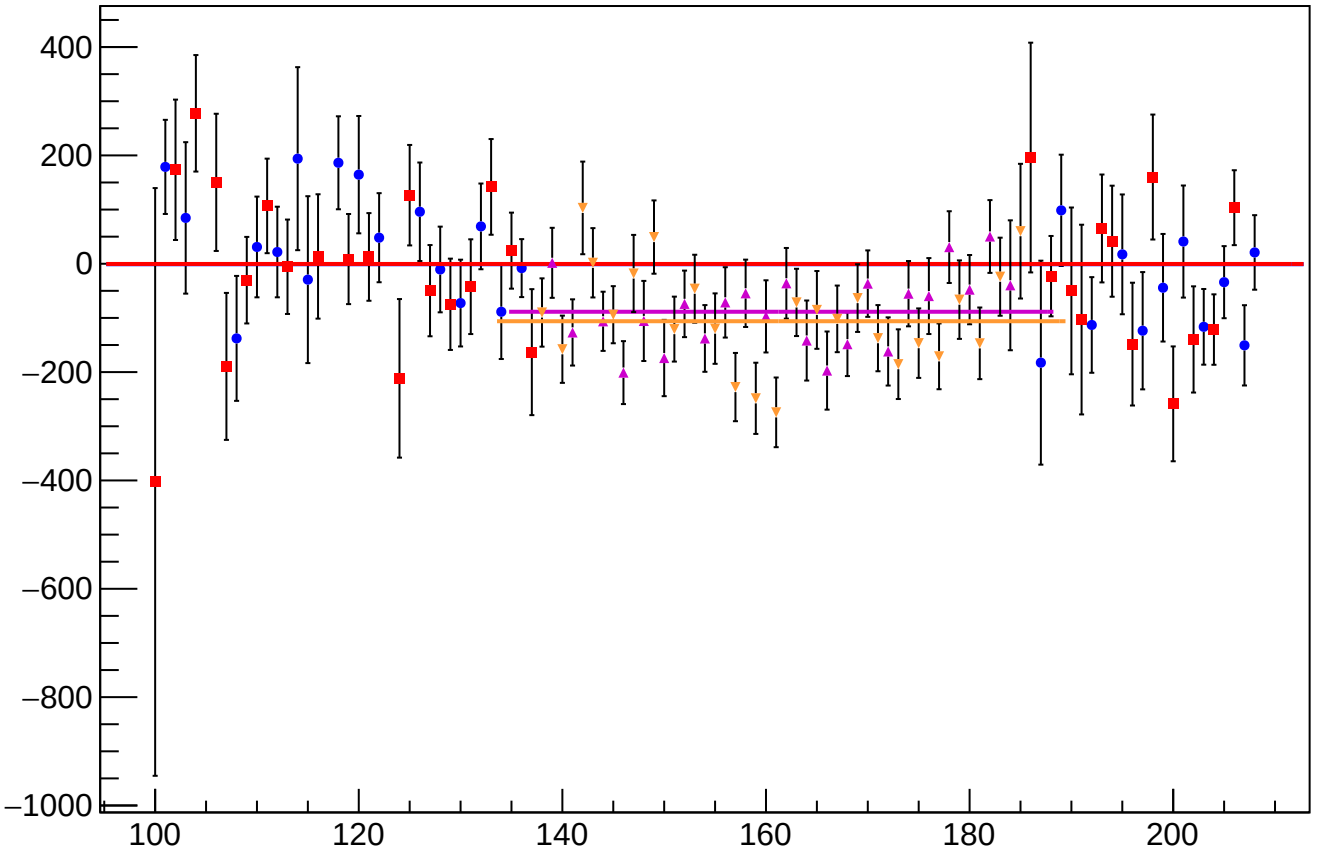
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 557.592+/-0.073 χ^2/NDF: 5896873.9/57

In: 385.105+/-0.049 χ^2/NDF:6255414.5/49

Out: 385.285+/-0.048 χ^2/NDF:7722331.3/55

All: 385.196+/-0.034 χ^2/NDF: 13977752.6/10



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -0.403+/-17.390 χ^2/NDF: 43.4/30

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

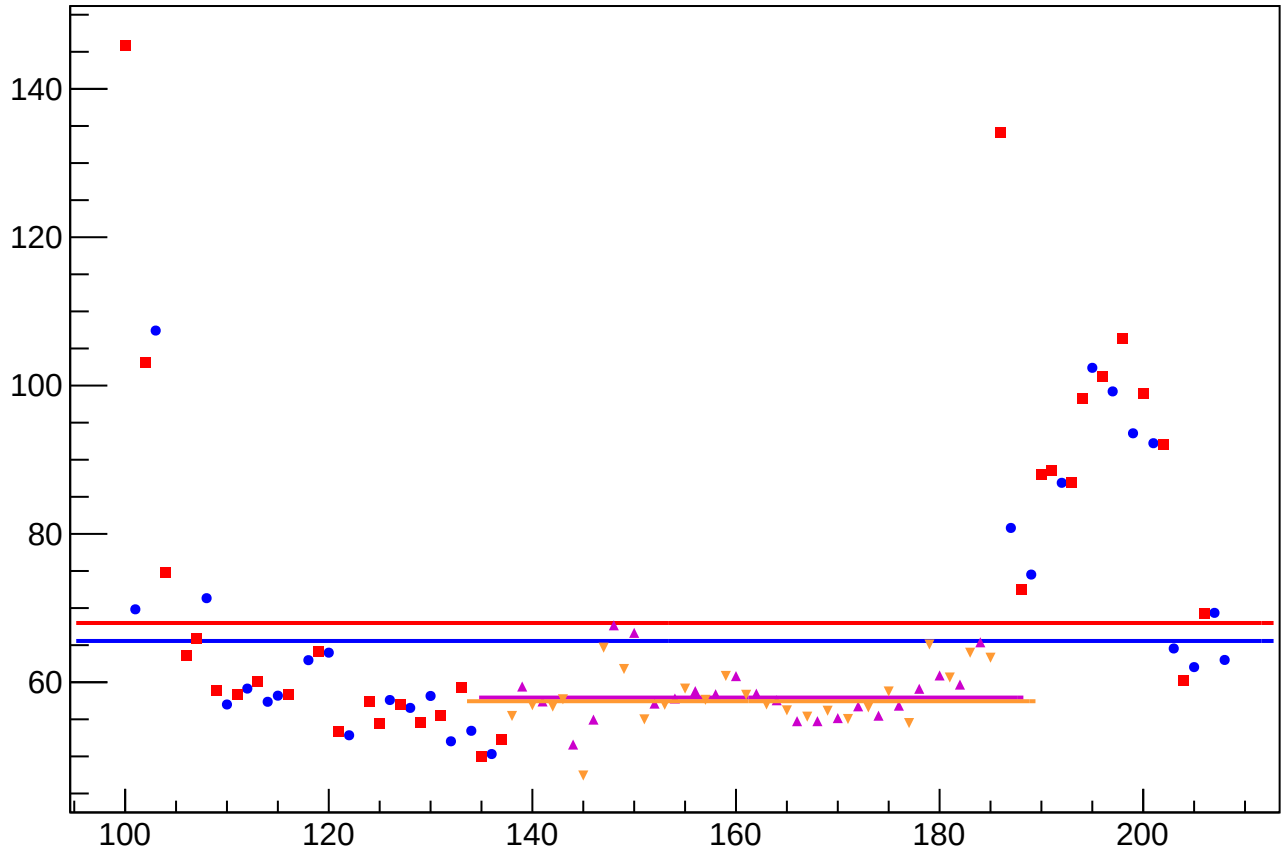
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -0.666+/-12.140 χ^2/NDF: 74.5/57

In: -54.388+/-10.593 χ^2/NDF:71.4/49

Out: -67.875+/-10.458 χ^2/NDF:107.7/55

All: -61.218+/-7.442 χ^2/NDF: 179.8/105



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

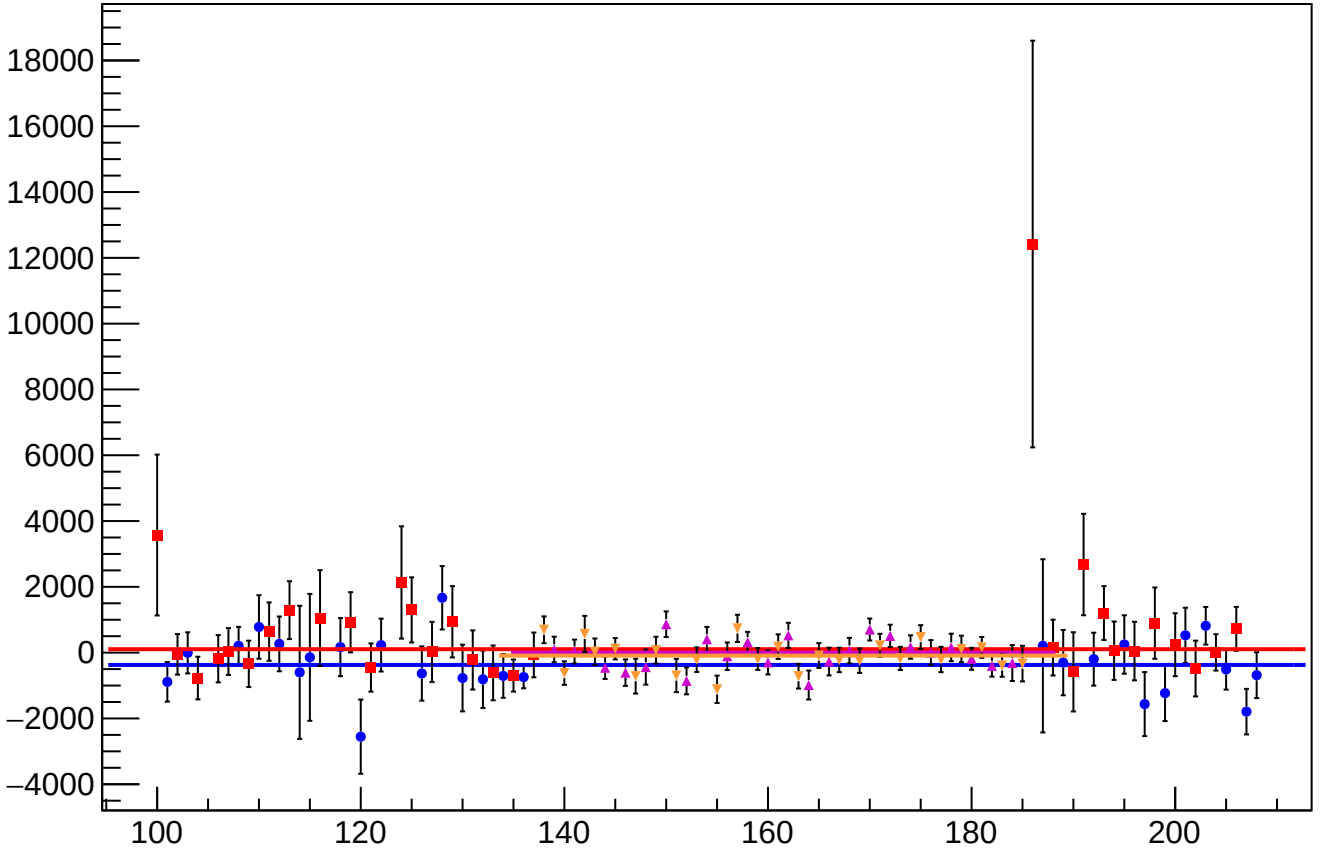
Right: 66.746+/-0.009 χ^2/NDF: 3420685.3/57

In: 60.912+/-0.007 χ^2/NDF:1844147.2/49

Out: 61.255+/-0.007 χ^2/NDF:2583833.7/55

All: 61.085+/-0.005 χ^2/NDF: 4429044.4/105

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 104.831+/-149.007 χ^2/NDF: 26.4/30

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

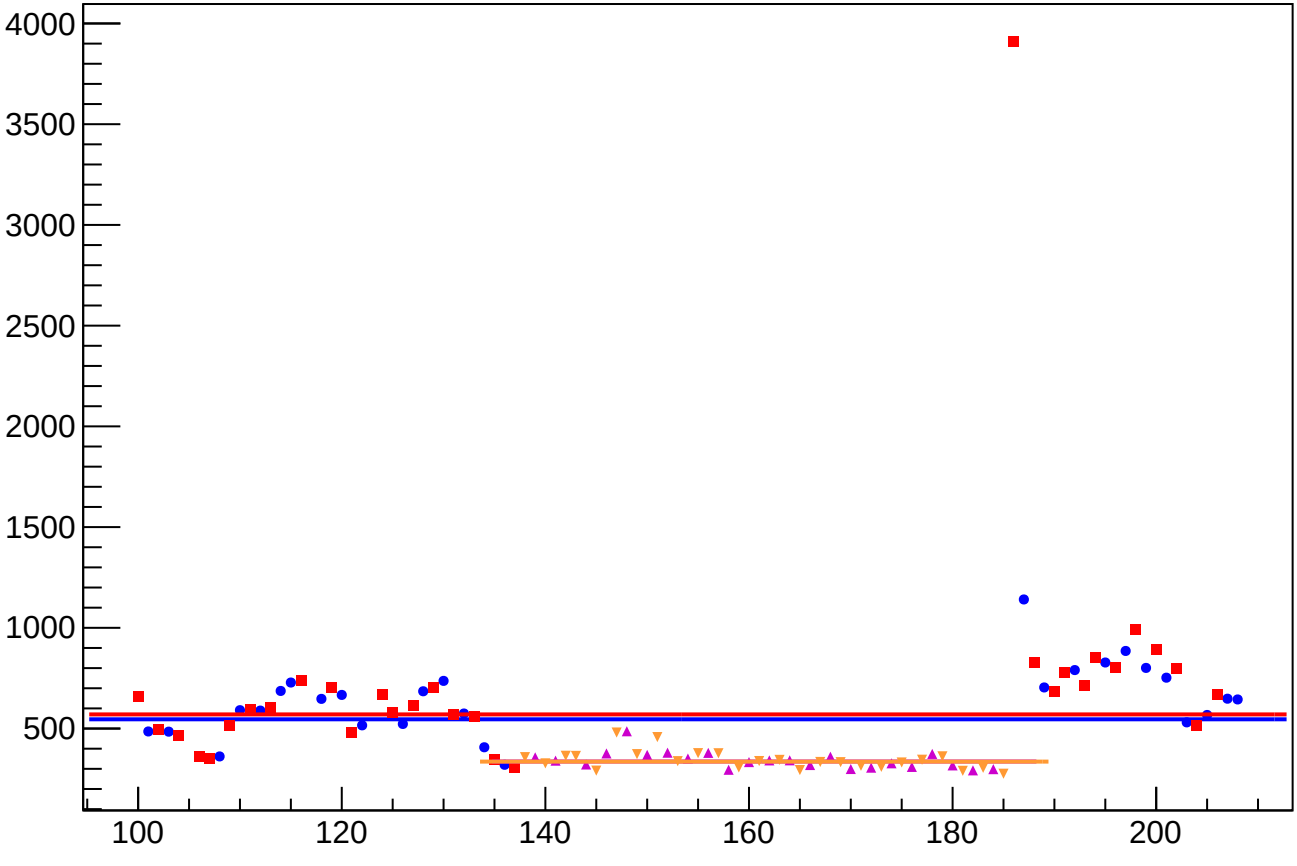
Right: -142.776+/-103.470 χ^2/NDF: 60.0/57

In: -89.230+/-69.368 χ^2/NDF:66.9/49

Out: -48.188+/-68.414 χ^2/NDF:57.6/55

All: -68.424+/-48.710 χ^2/NDF: 124.8/105

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

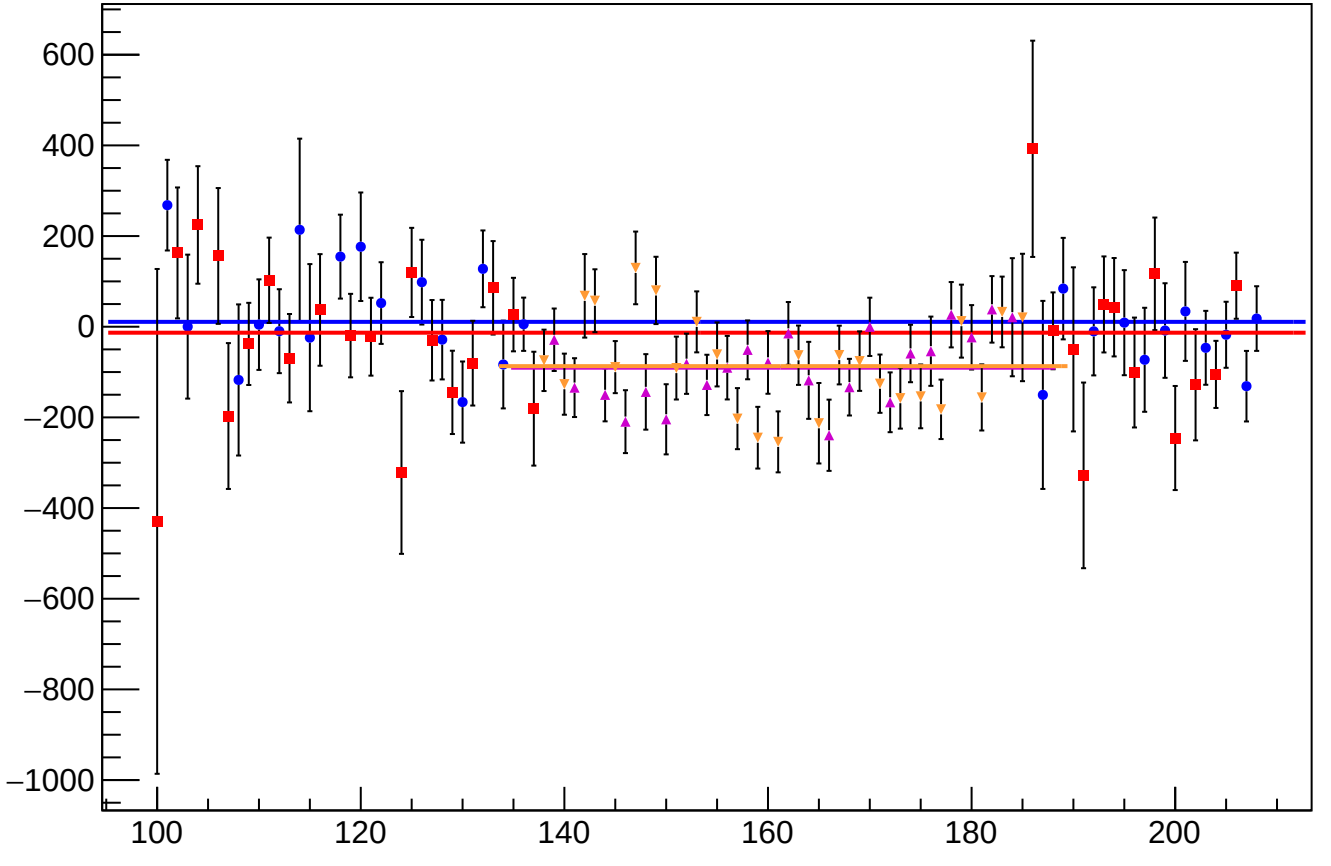
Right: 557.592+/-0.073 χ^2/NDF: 5896873.9/57

In: 385.105+/-0.049 χ^2/NDF:6255414.5/49

Out: 385.285+/-0.048 χ^2/NDF:7722331.3/55

All: 385.196+/-0.034 χ^2/NDF: 13977752.6/10

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -13.190+/-19.287 χ^2/NDF: 36.5/30

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

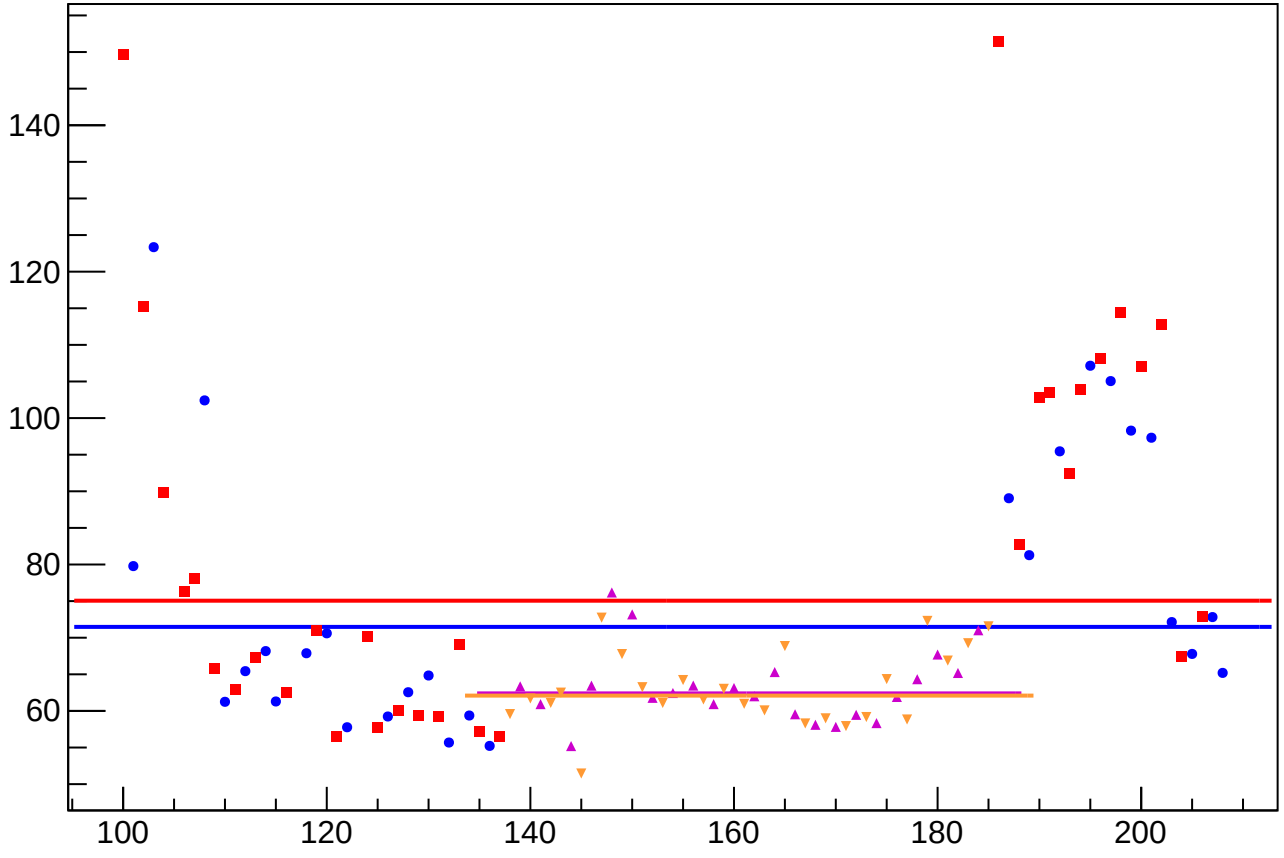
Right: -0.756+/-13.370 χ^2/NDF: 63.7/57

In: -51.503+/-11.500 χ^2/NDF:69.7/49

Out: -61.087+/-11.422 χ^2/NDF:94.8/55

All: -56.328+/-8.104 χ^2/NDF: 164.9/105

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 71.478+/-0.013 χ^2/NDF: 1481311.7/26

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.057+/-0.014 χ^2/NDF: 2007873.3/30

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

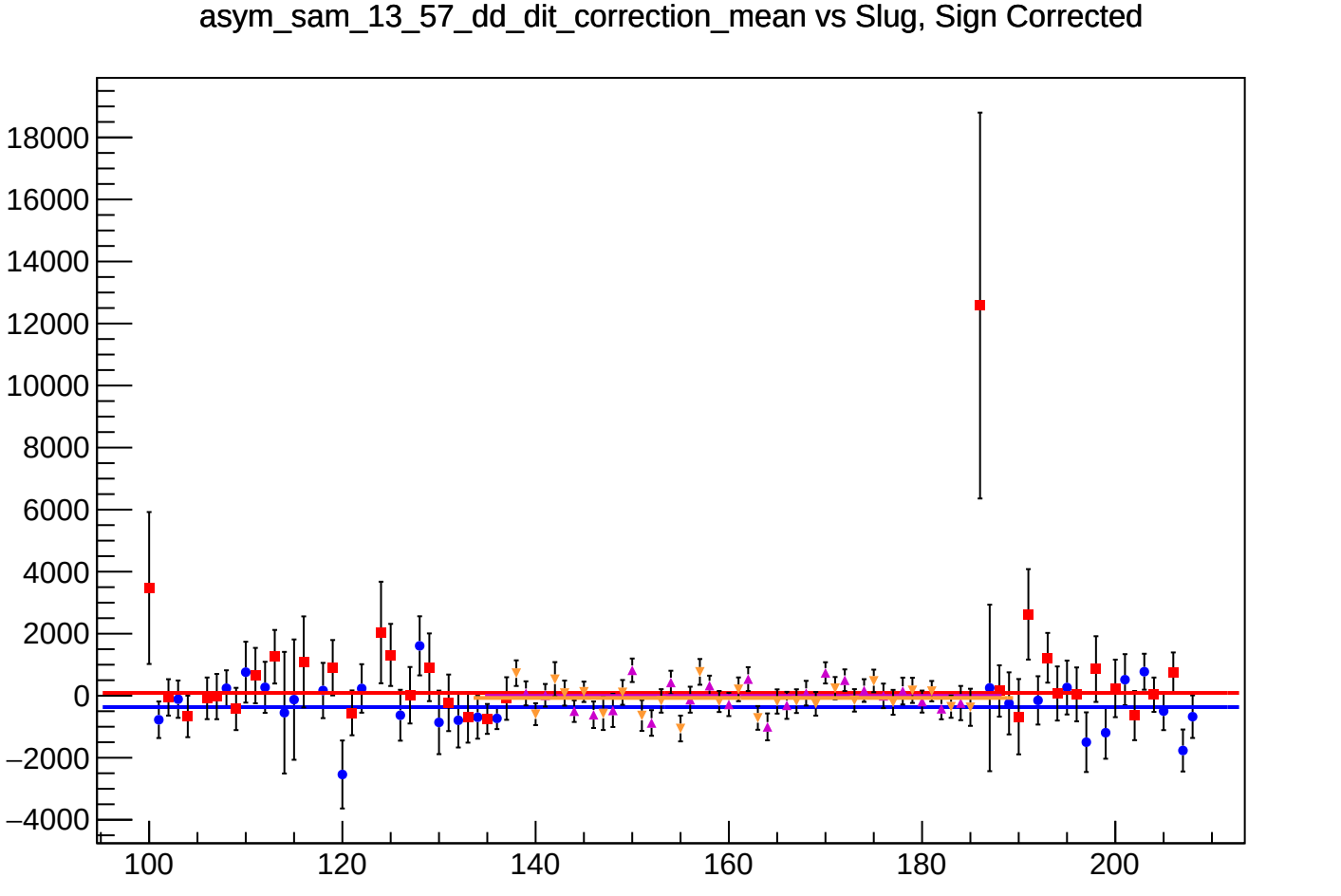
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

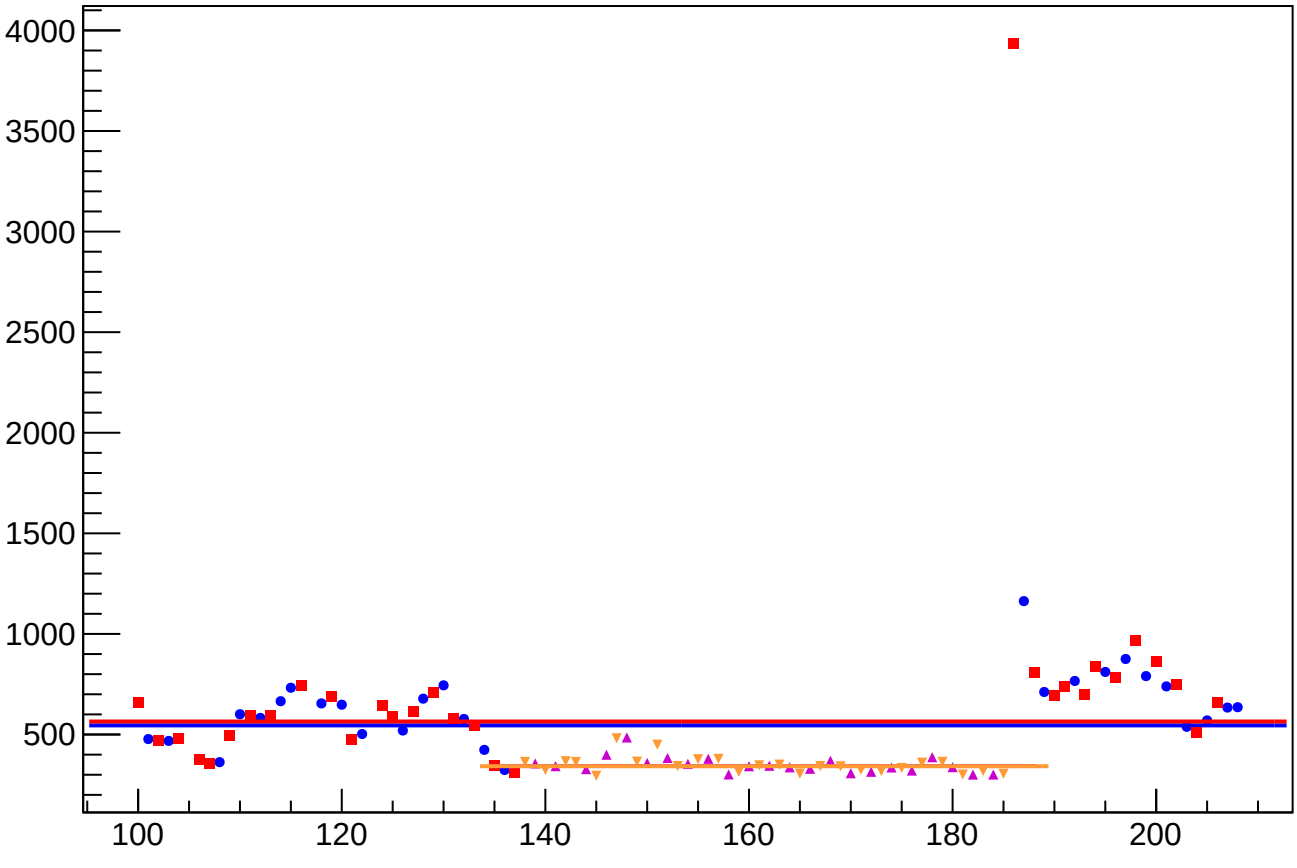
Right: 73.198+/-0.009 χ^2/NDF: 3524948.1/57

In: 65.886+/-0.008 χ^2/NDF:1965343.4/49

Out: 66.639+/-0.008 χ^2/NDF:2827861.8/55

All: 66.265+/-0.006 χ^2/NDF: 4797525.8/105


asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -366.875+/-143.192 χ²/NDF: 27.4/26
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 90.027+/-146.833 χ²/NDF: 27.7/30
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -144.160+/-102.515 χ²/NDF: 60.0/57
In: -93.192+/-70.343 χ²/NDF:66.2/49
Out: -35.530+/-69.159 χ²/NDF:57.2/55
All: -63.871+/-49.316 χ²/NDF: 123.7/105



Right In: 545.334+/-0.101 χ^2/NDF: 2454999.0/26

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 564.656+/-0.104 χ^2/NDF: 3128593.2/30

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

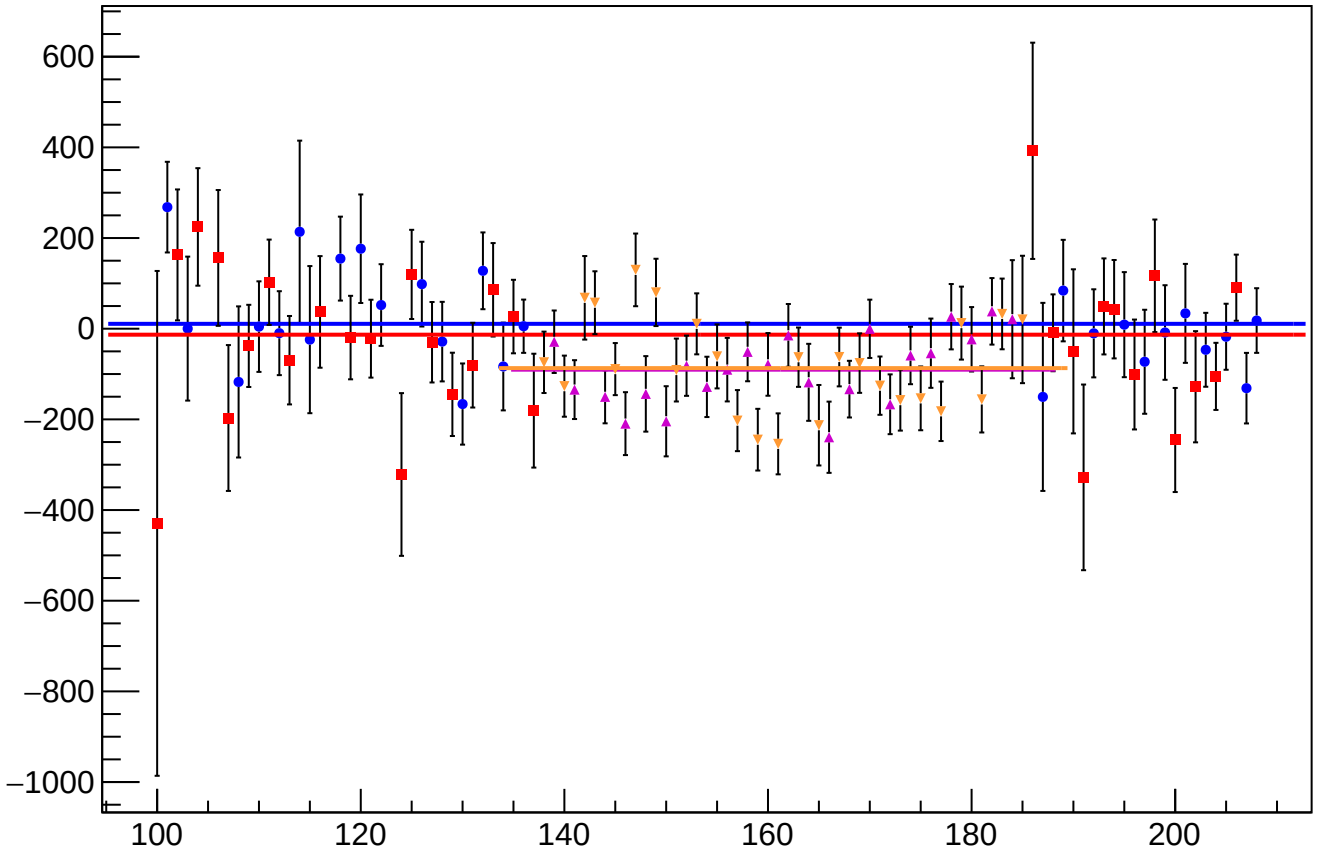
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 554.752+/-0.072 χ^2/NDF: 5601343.5/57

In: 392.015+/-0.050 χ^2/NDF:5850261.2/49

Out: 391.785+/-0.049 χ^2/NDF:7125308.2/55

All: 391.898+/-0.035 χ^2/NDF: 12975580.3/10



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -13.191+/-19.287 χ^2/NDF: 36.5/30

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

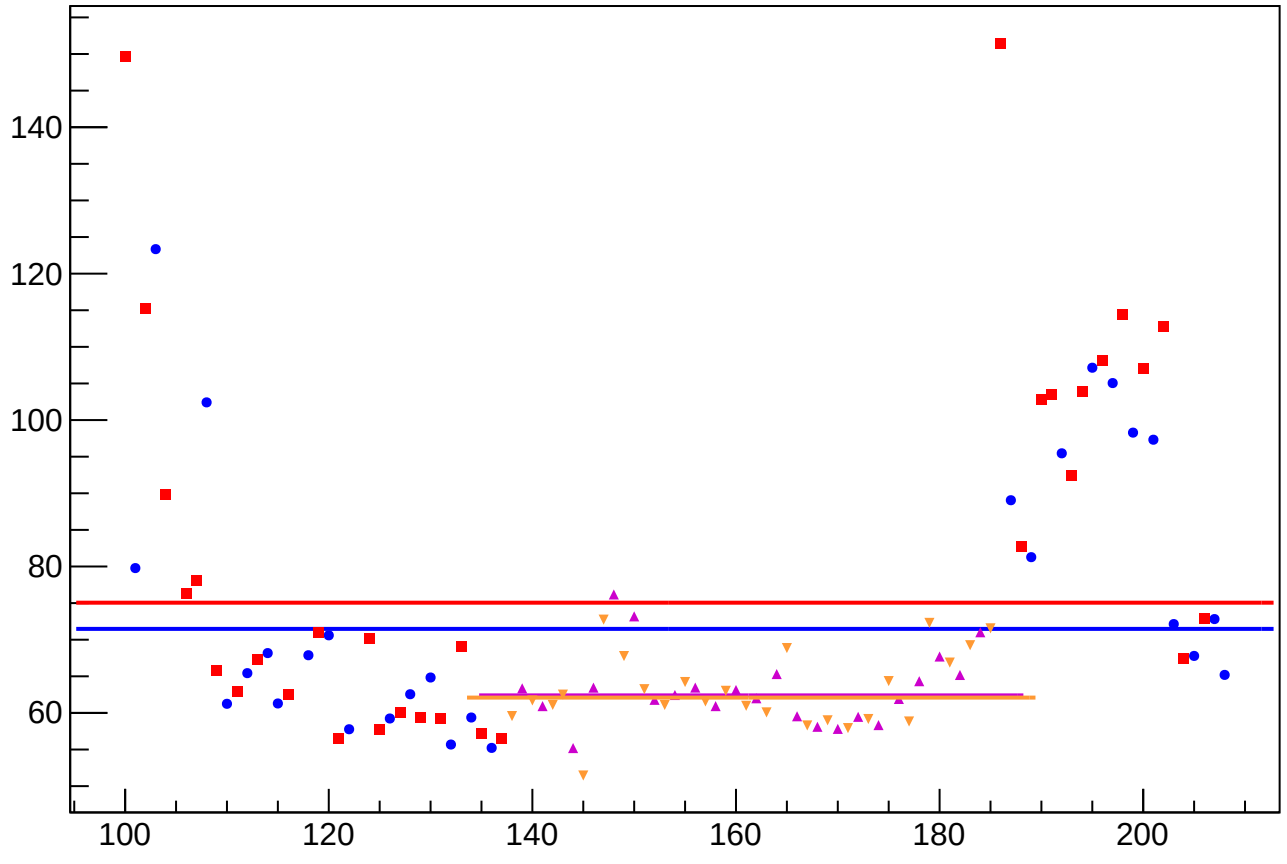
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -0.756+/-13.370 χ^2/NDF: 63.7/57

In: -51.503+/-11.500 χ^2/NDF:69.7/49

Out: -61.087+/-11.422 χ^2/NDF:94.8/55

All: -56.328+/-8.104 χ^2/NDF: 164.9/105



Right In: 71.478+/-0.013 χ^2/NDF: 1481332.8/26

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 75.057+/-0.014 χ^2/NDF: 2007875.5/30

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

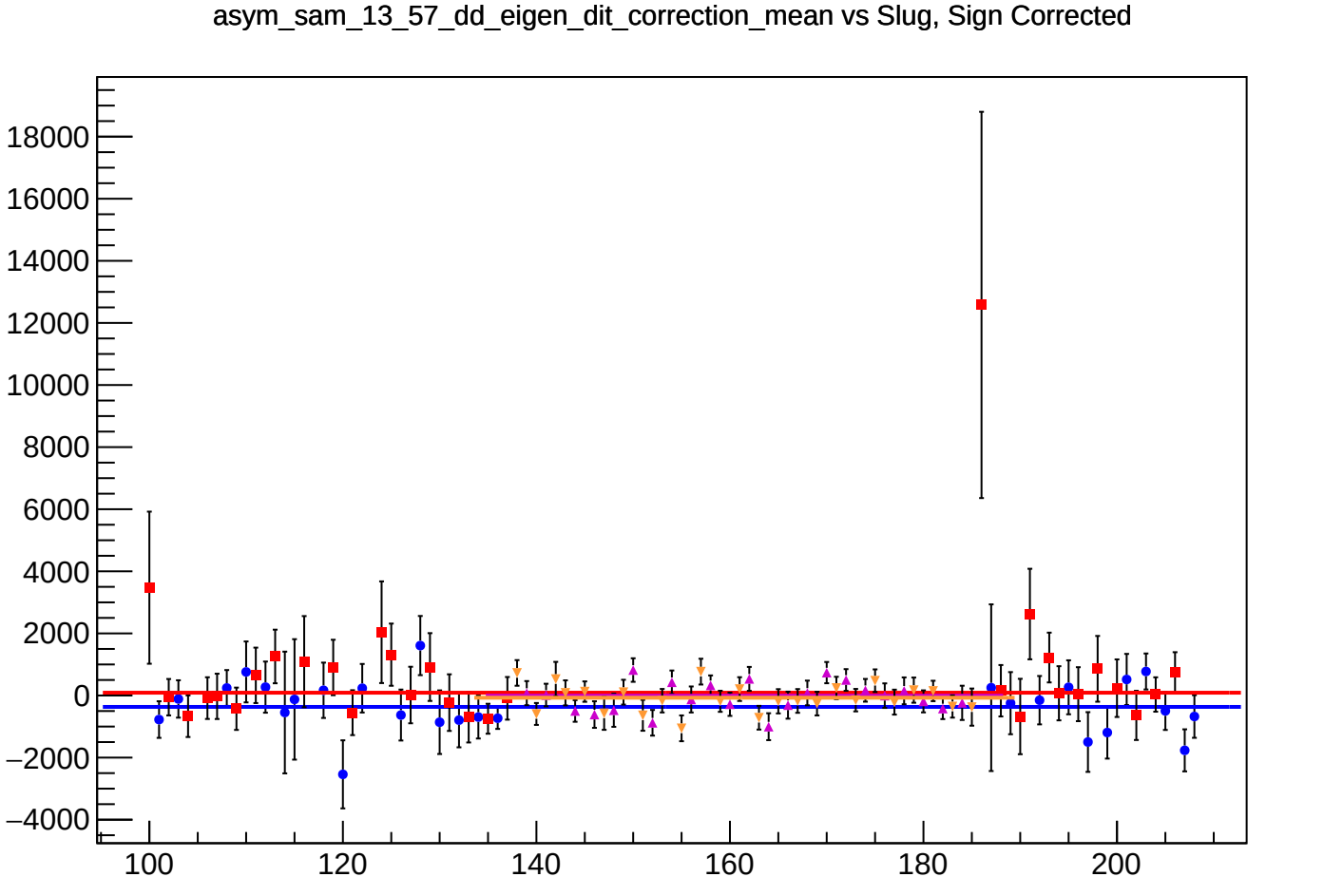
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 73.198+/-0.009 χ^2/NDF: 3524971.6/57

In: 65.886+/-0.008 χ^2/NDF:1965362.1/49

Out: 66.639+/-0.008 χ^2/NDF:2827863.9/55

All: 66.265+/-0.006 χ^2/NDF: 4797546.5/105


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
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12000
10000
8000
6000
4000
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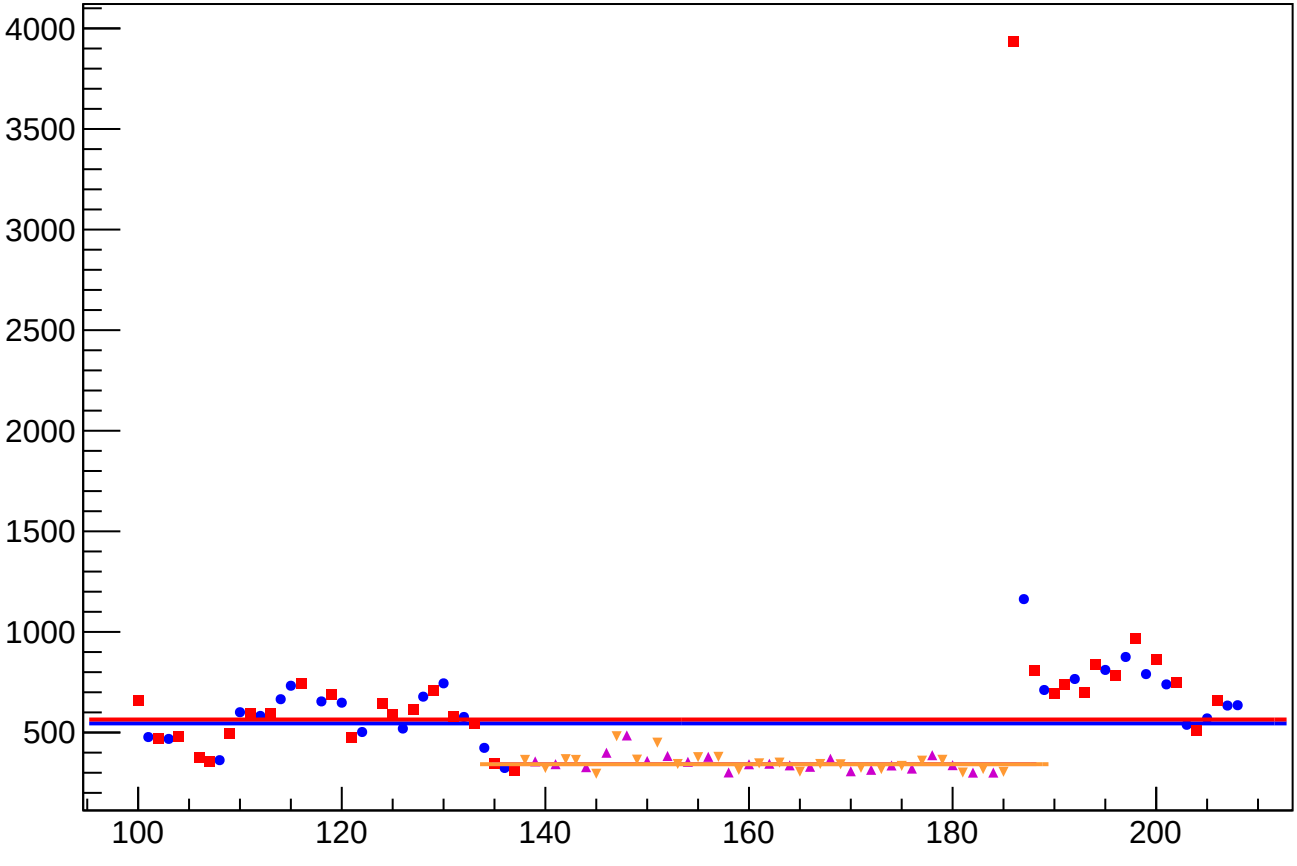
−2000
−4000
100
120
140
160
180
200
Right In: -366.875+/-143.191 χ²/NDF: 27.4/26
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 90.027+/-146.833 χ²/NDF: 27.7/30
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -144.160+/-102.515 χ²/NDF: 60.0/57
In: -93.192+/-70.343 χ²/NDF:66.2/49
Out: -35.530+/-69.159 χ²/NDF:57.2/55
All: -63.871+/-49.316 χ²/NDF: 123.7/105

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 545.333+/-0.101 χ^2/NDF: 2455002.5/26

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 564.655+/-0.104 χ^2/NDF: 3128598.6/30

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

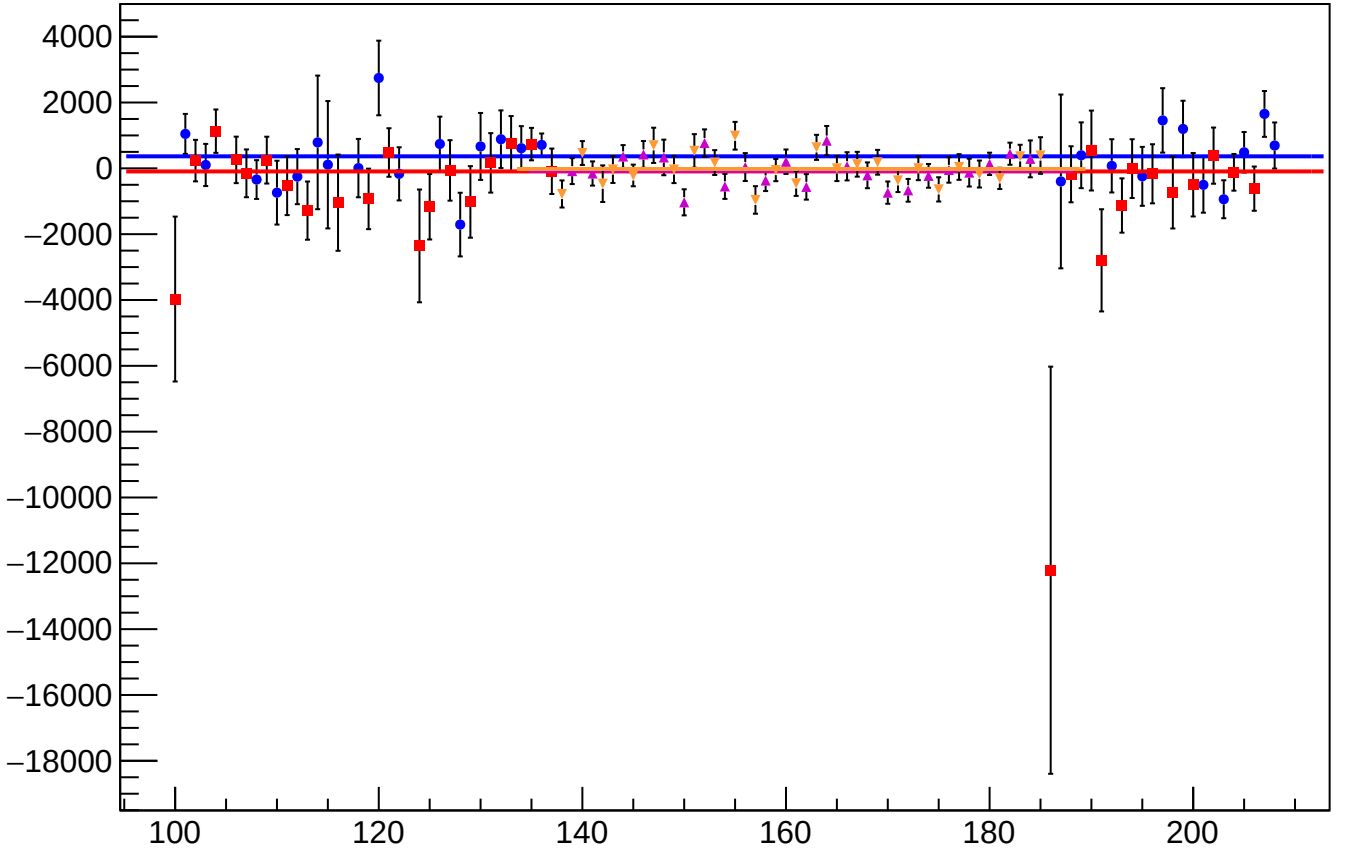
Right: 554.751+/-0.072 χ^2/NDF: 5601352.1/57

In: 392.015+/-0.050 χ^2/NDF:5850249.2/49

Out: 391.785+/-0.049 χ^2/NDF:7125297.3/55

All: 391.898+/-0.035 χ^2/NDF: 12975557.4/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 364.897+/-145.179 χ^2/NDF: 28.9/26

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -93.725+/-150.205 χ^2/NDF: 28.3/30

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

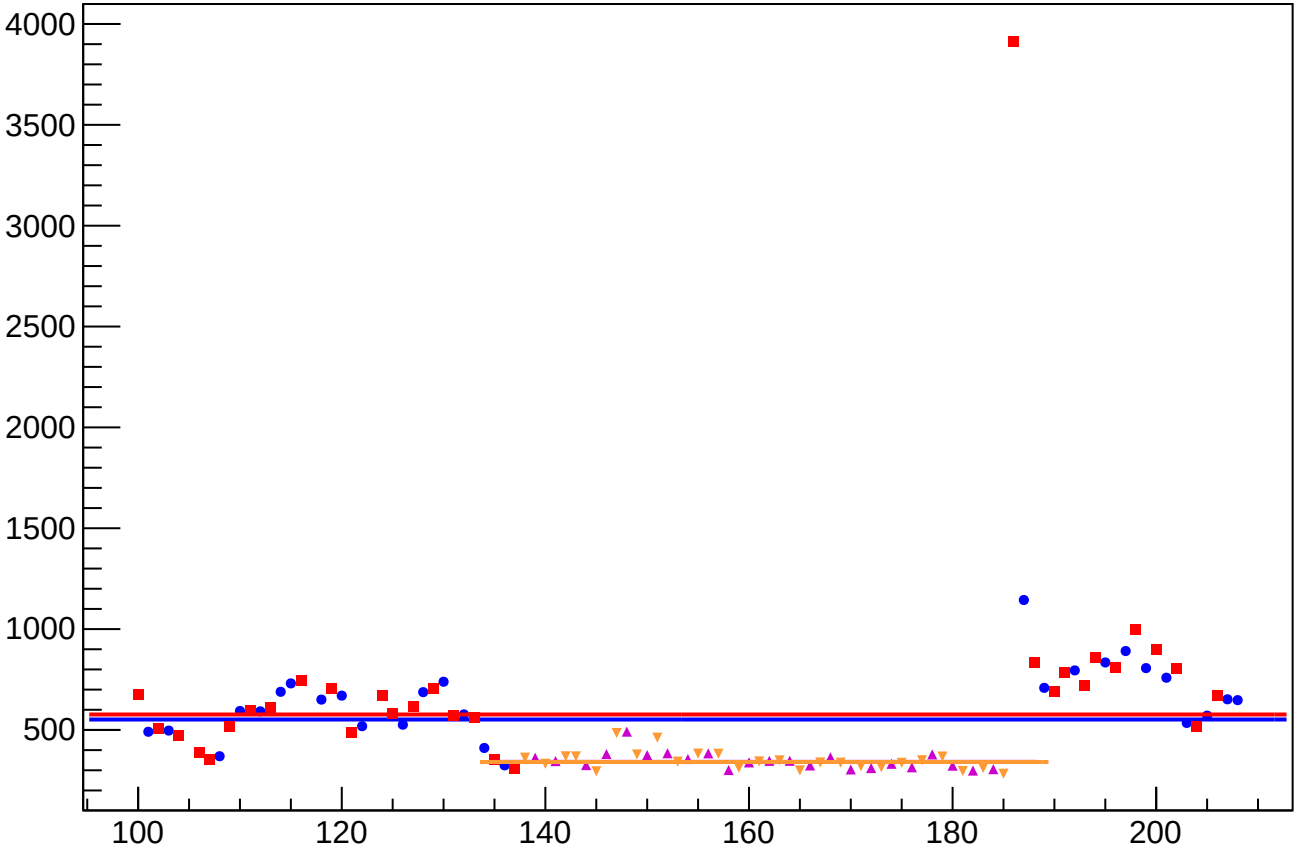
Right: 143.389+/-104.389 χ^2/NDF: 62.0/57

In: 25.422+/-70.341 χ^2/NDF:68.9/49

Out: -35.935+/-69.360 χ^2/NDF:59.9/55

All: -5.687+/-49.388 χ^2/NDF: 129.2/105

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 551.722+/-0.103 χ^2/NDF: 2524124.8/26

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 576.600+/-0.106 χ^2/NDF: 3205160.3/30

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

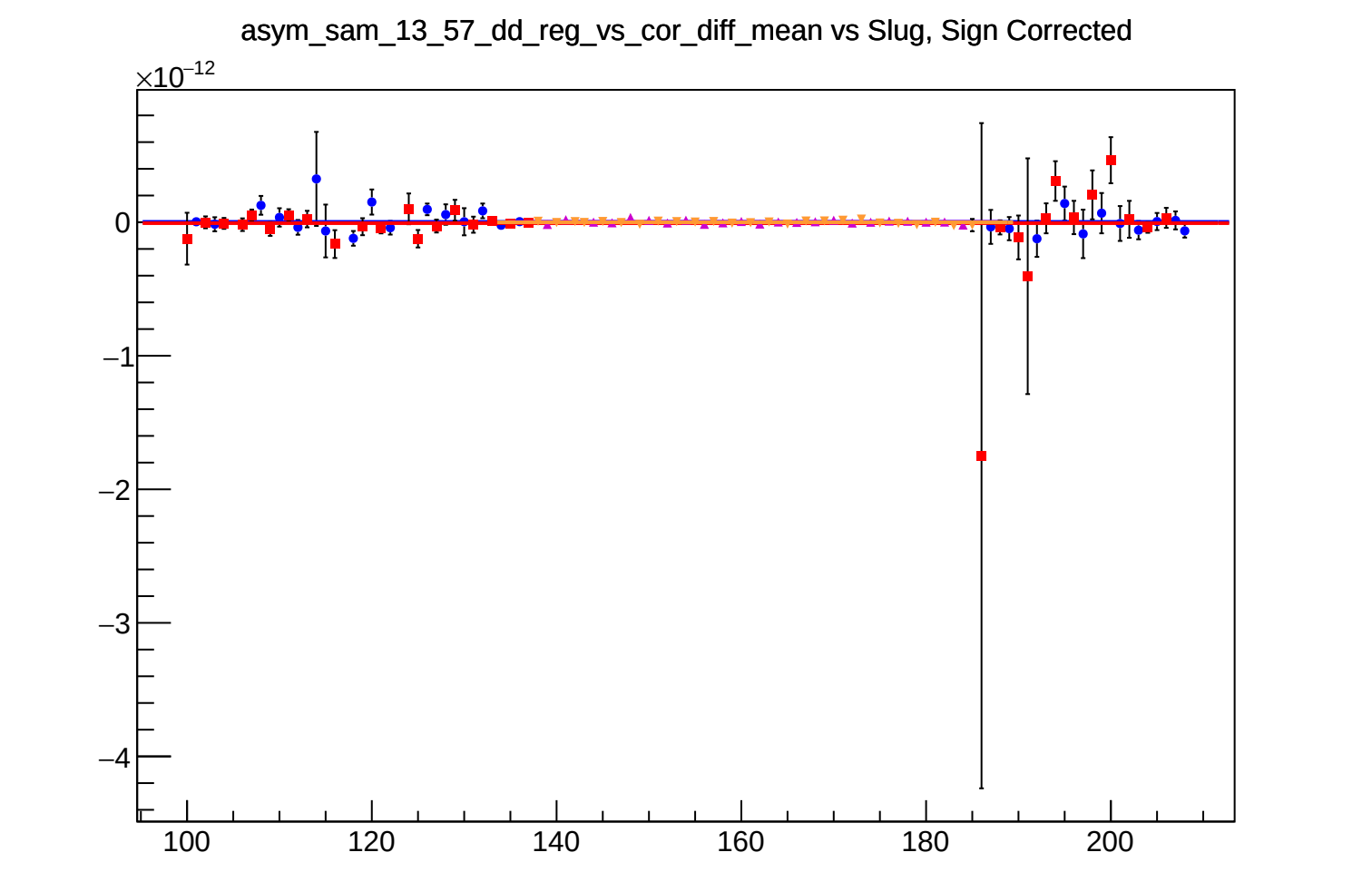
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 563.738+/-0.074 χ^2/NDF: 5757651.1/57

In: 390.944+/-0.050 χ^2/NDF:6126357.3/49

Out: 391.394+/-0.049 χ^2/NDF:7580793.5/55

All: 391.172+/-0.035 χ^2/NDF: 13707192.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/30

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

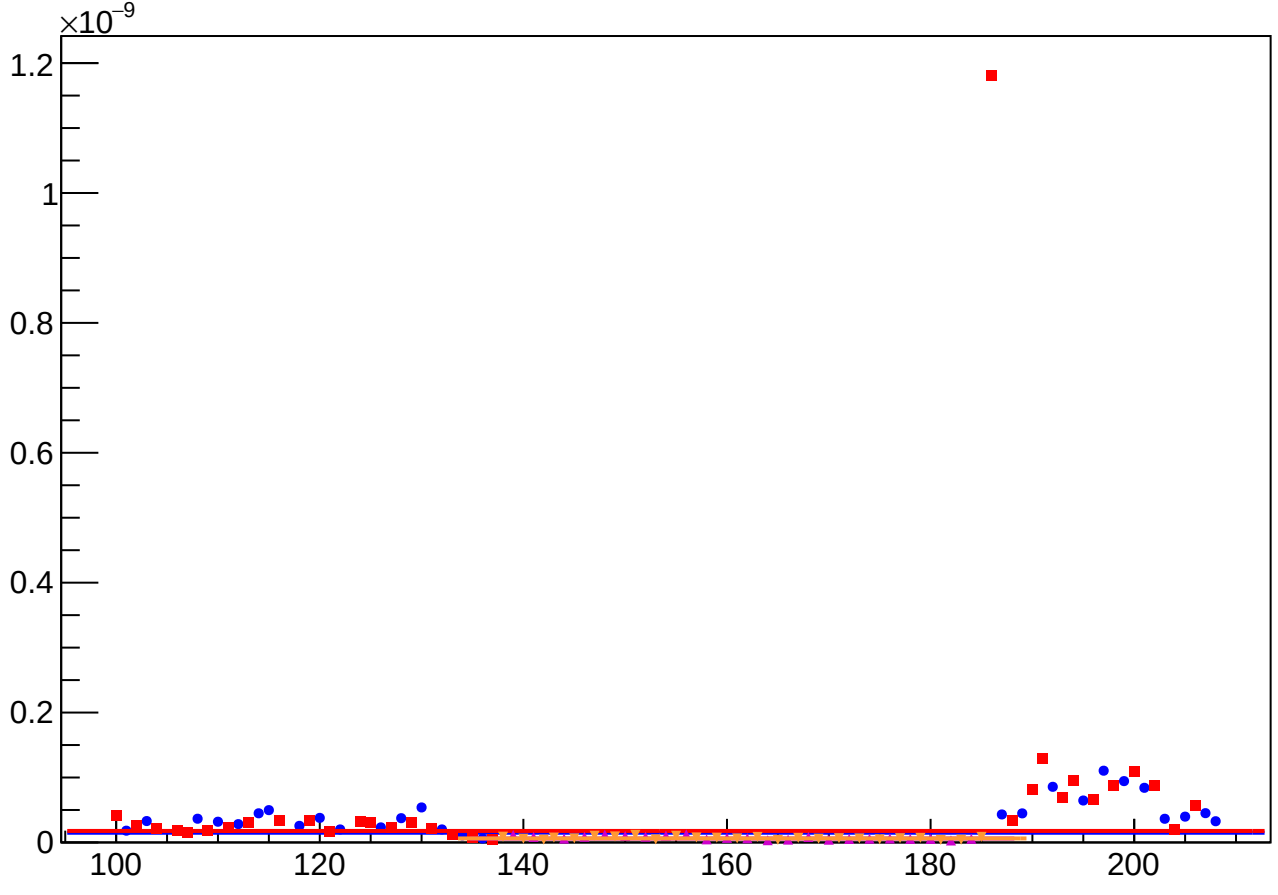
Right: -0.000+/-0.000 χ^2/NDF: 57.5/57

In: 0.000+/-0.000 χ^2/NDF:41.2/49

Out: -0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 91.8/105

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7139807.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6173500.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

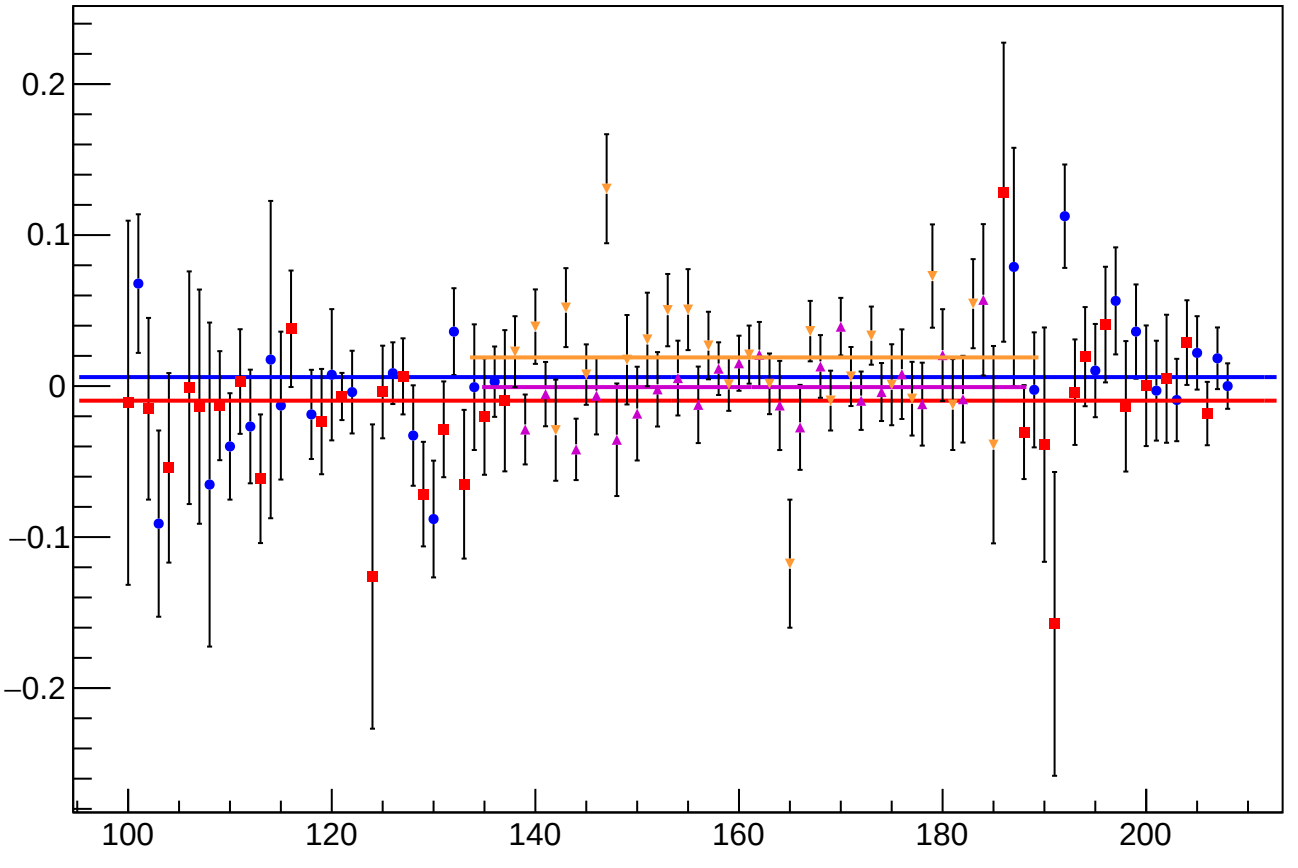
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13425471.7/57

In: 0.000+/-0.000 χ^2/NDF:11225576.7/49

Out: 0.000+/-0.000 χ^2/NDF:10579247.3/55

All: 0.000+/-0.000 χ^2/NDF: 21807889.2/105



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

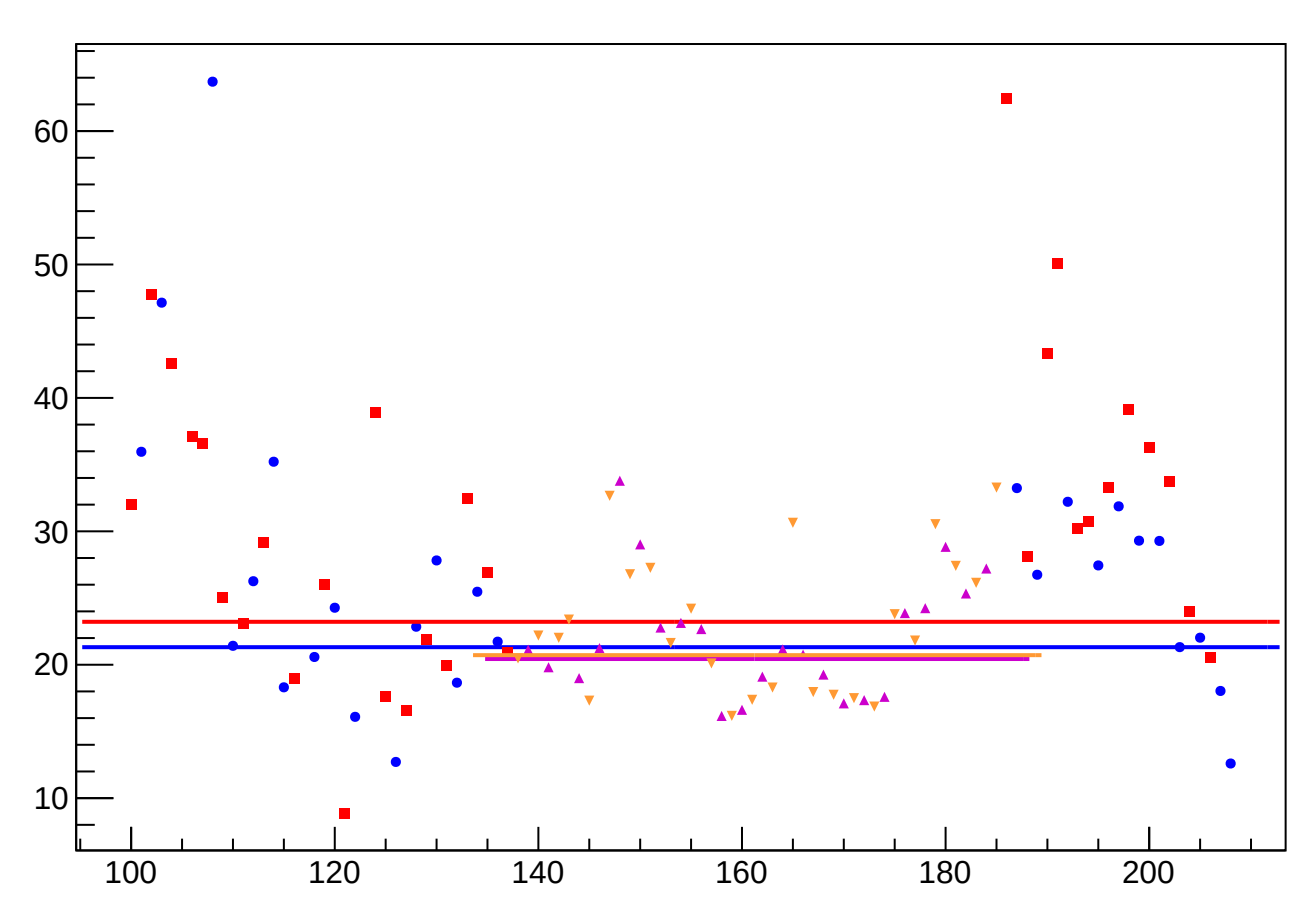
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.001+/-0.004 χ^2/NDF: 54.7/57

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 125.0/105



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

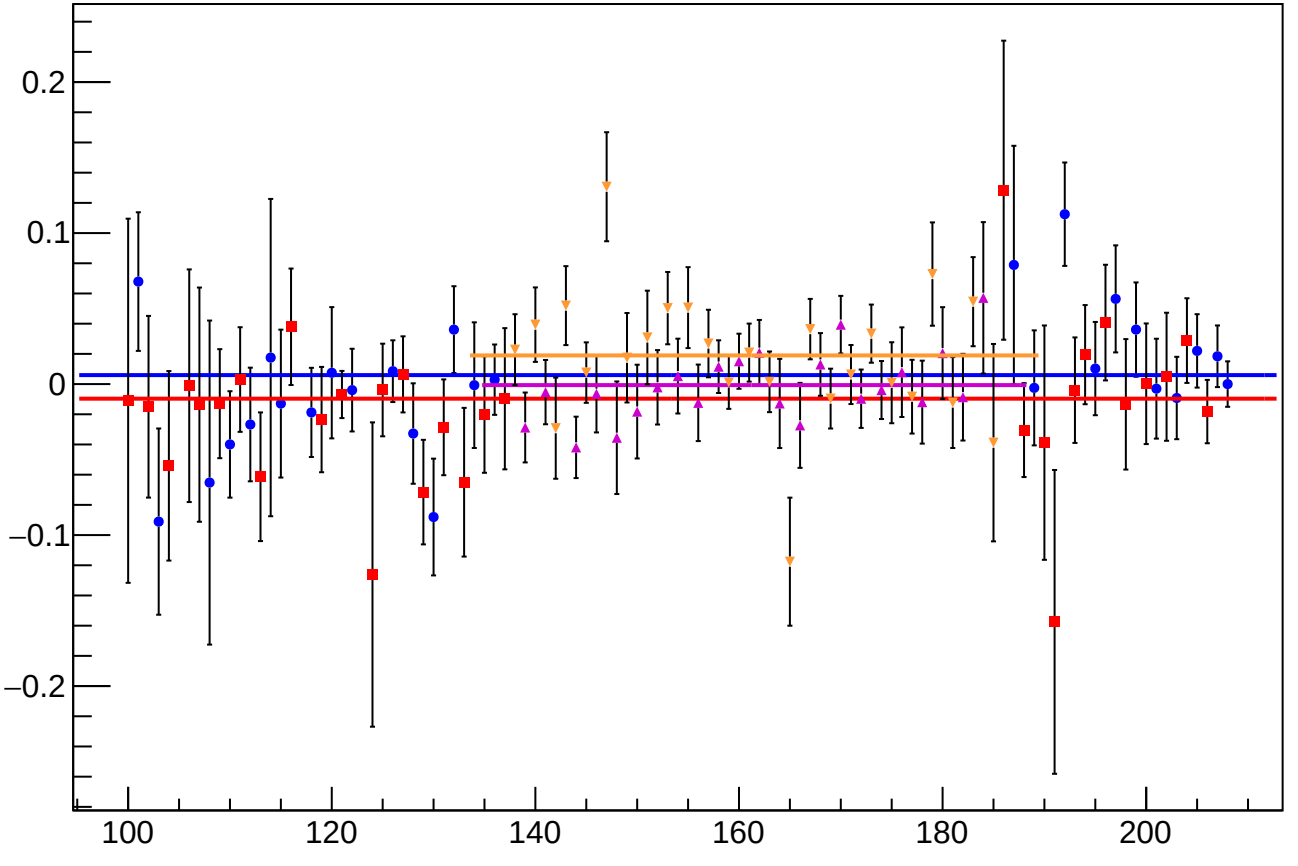
Right: 22.179+/-0.003 χ^2/NDF: 7500218.2/57

In: 20.795+/-0.003 χ^2/NDF:4195513.9/49

Out: 21.622+/-0.003 χ^2/NDF:6107803.2/55

All: 21.197+/-0.002 χ^2/NDF: 10349768.1/105

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

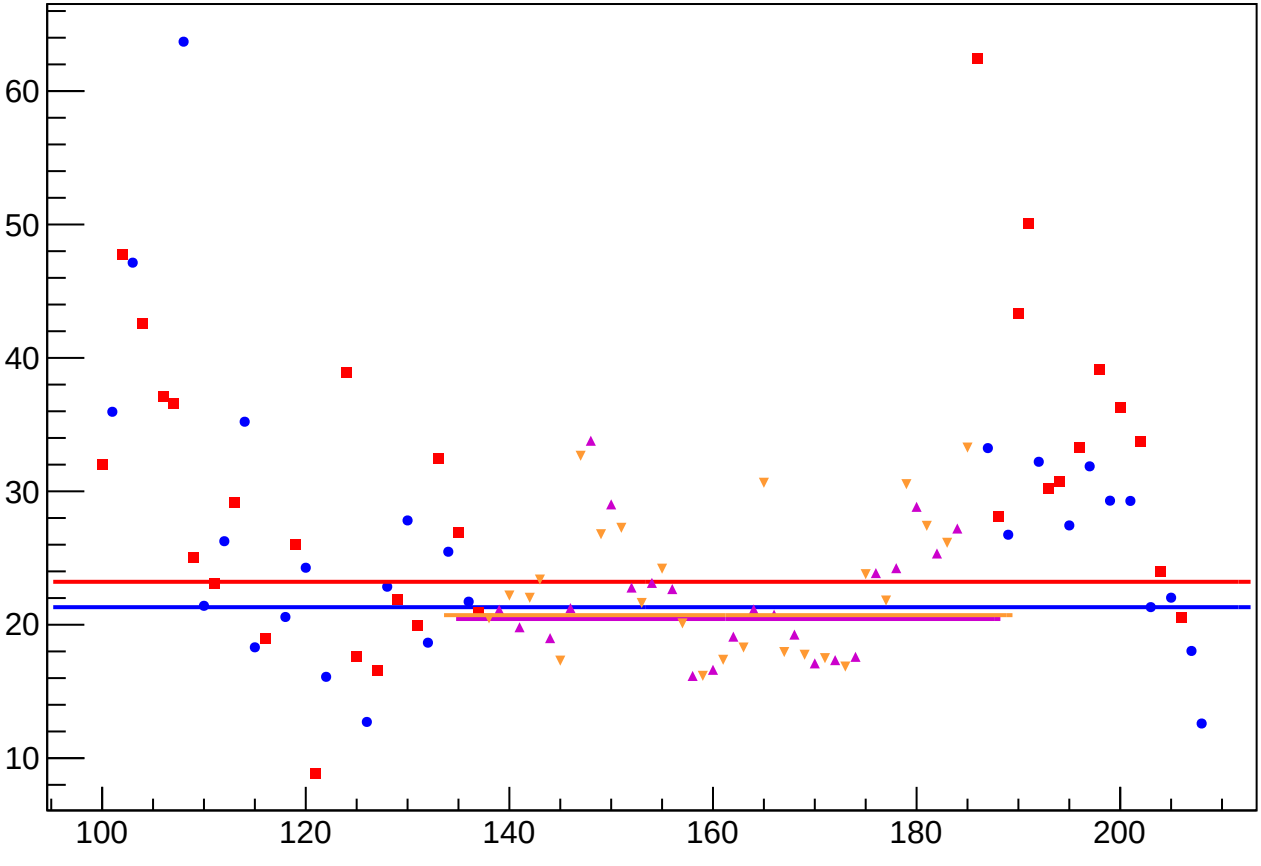
Right: -0.001+/-0.004 χ^2/NDF: 54.7/57

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 125.0/105

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

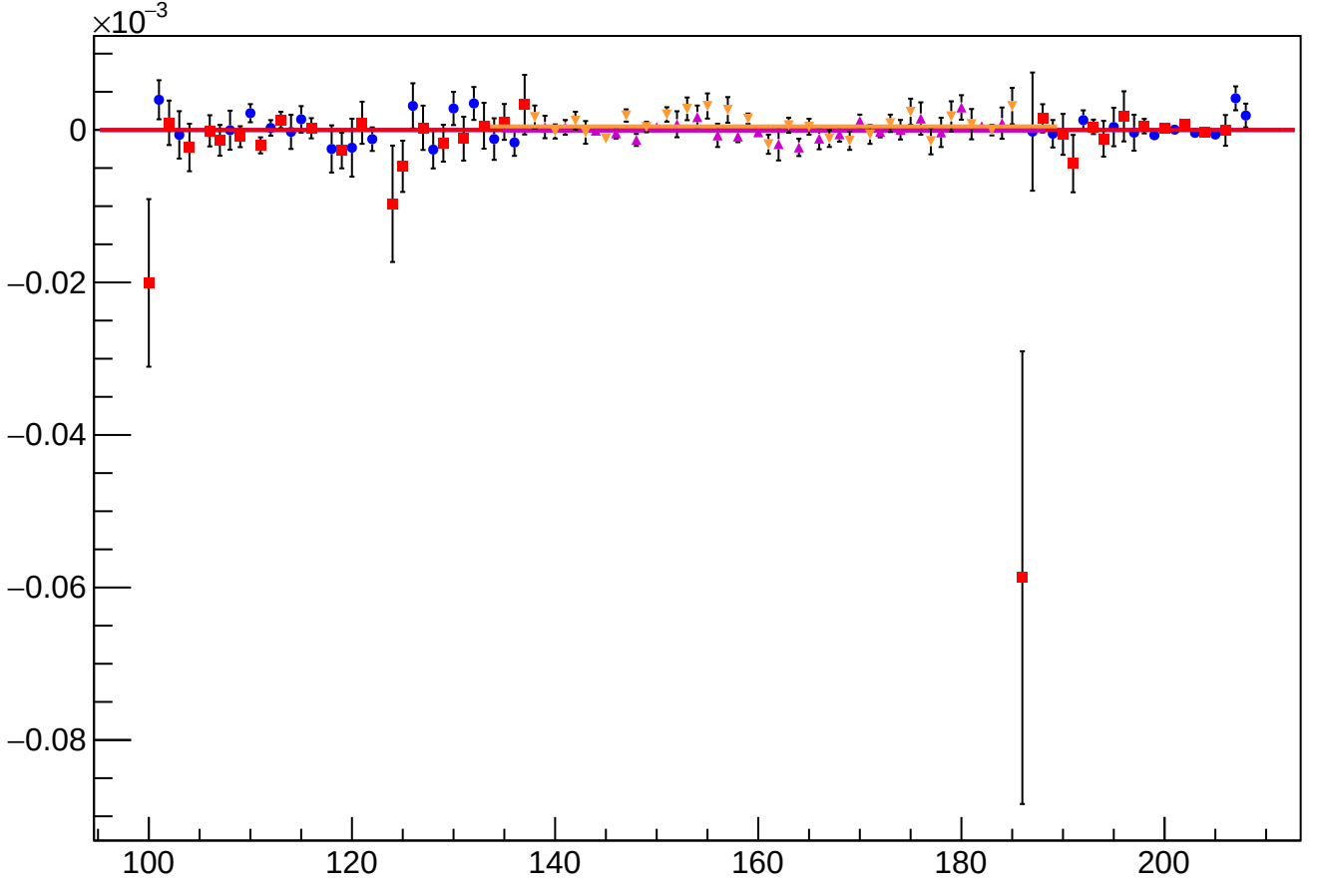
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.179+/-0.003 χ^2/NDF: 7500218.2/57

In: 20.795+/-0.003 χ^2/NDF:4195513.9/49

Out: 21.622+/-0.003 χ^2/NDF:6107803.2/55

All: 21.197+/-0.002 χ^2/NDF: 10349768.1/105



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/30

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

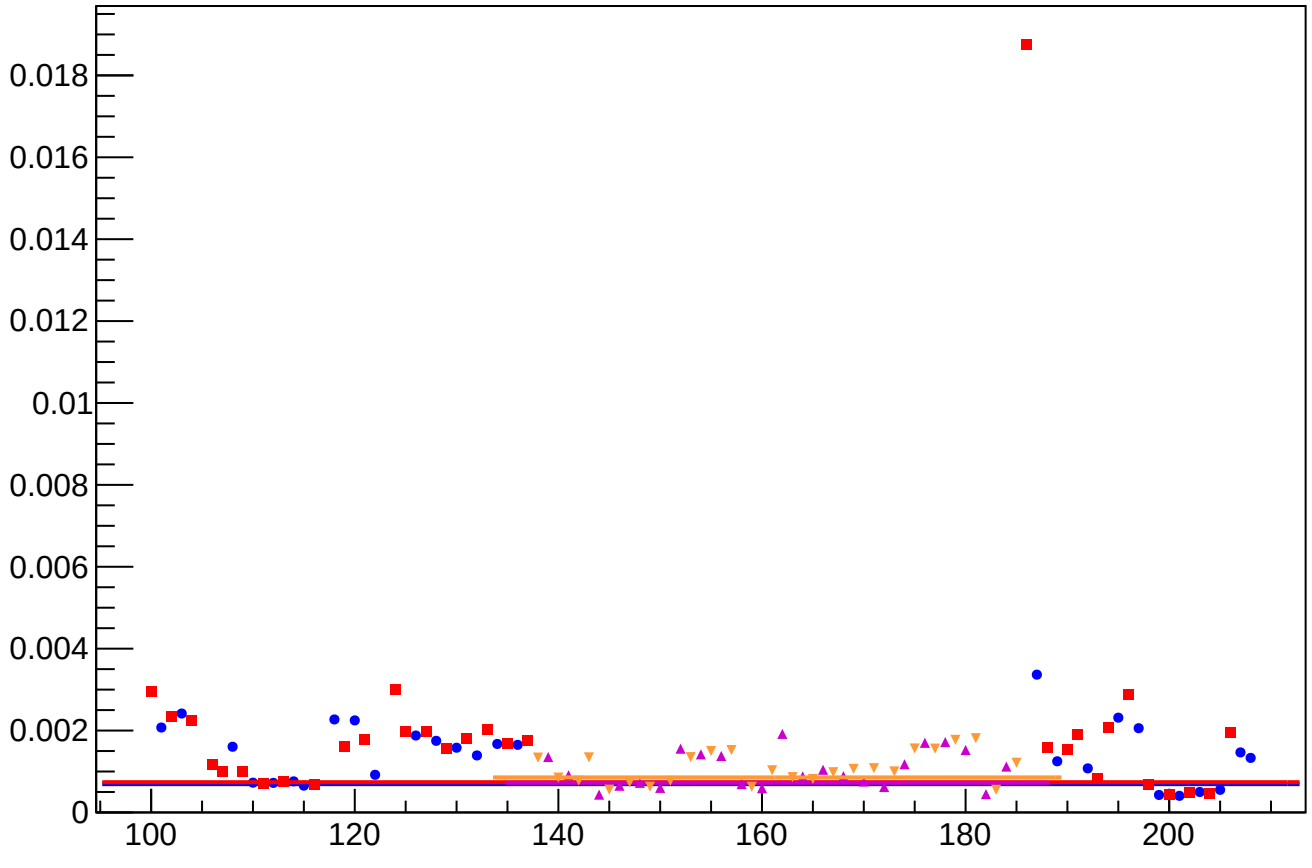
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 54.8/57

In: -0.000+/-0.000 χ^2/NDF:48.6/49

Out: 0.000+/-0.000 χ^2/NDF:64.9/55

All: 0.000+/-0.000 χ^2/NDF: 115.4/105



Right In: 0.001+/-0.000 χ^2/NDF: 9180029.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9542500.8/30

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

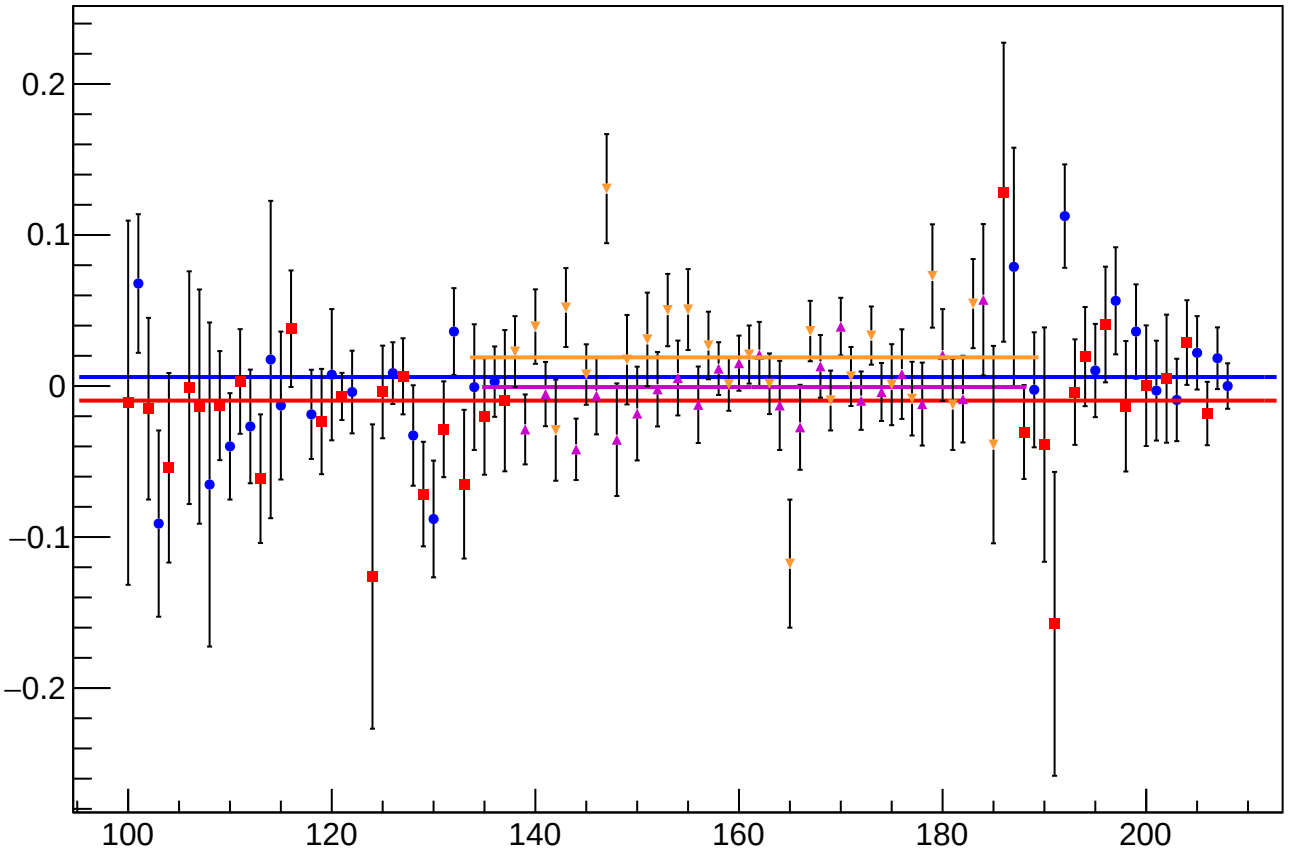
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 18769570.1/57

In: 0.001+/-0.000 χ^2/NDF:15014444.5/49

Out: 0.001+/-0.000 χ^2/NDF:14262948.0/55

All: 0.001+/-0.000 χ^2/NDF: 29659934.3/105



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

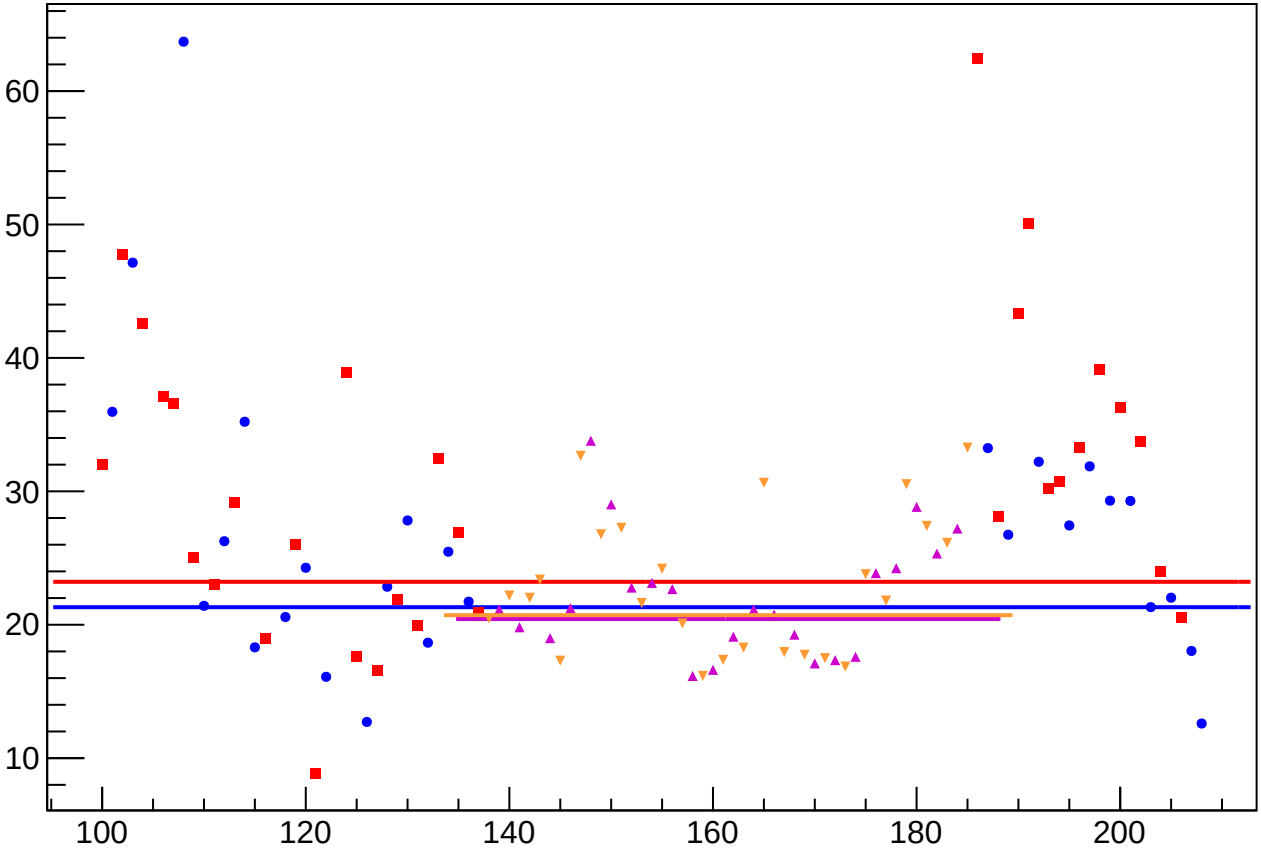
Right: -0.001+/-0.004 χ^2/NDF: 54.7/57

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 125.0/105

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

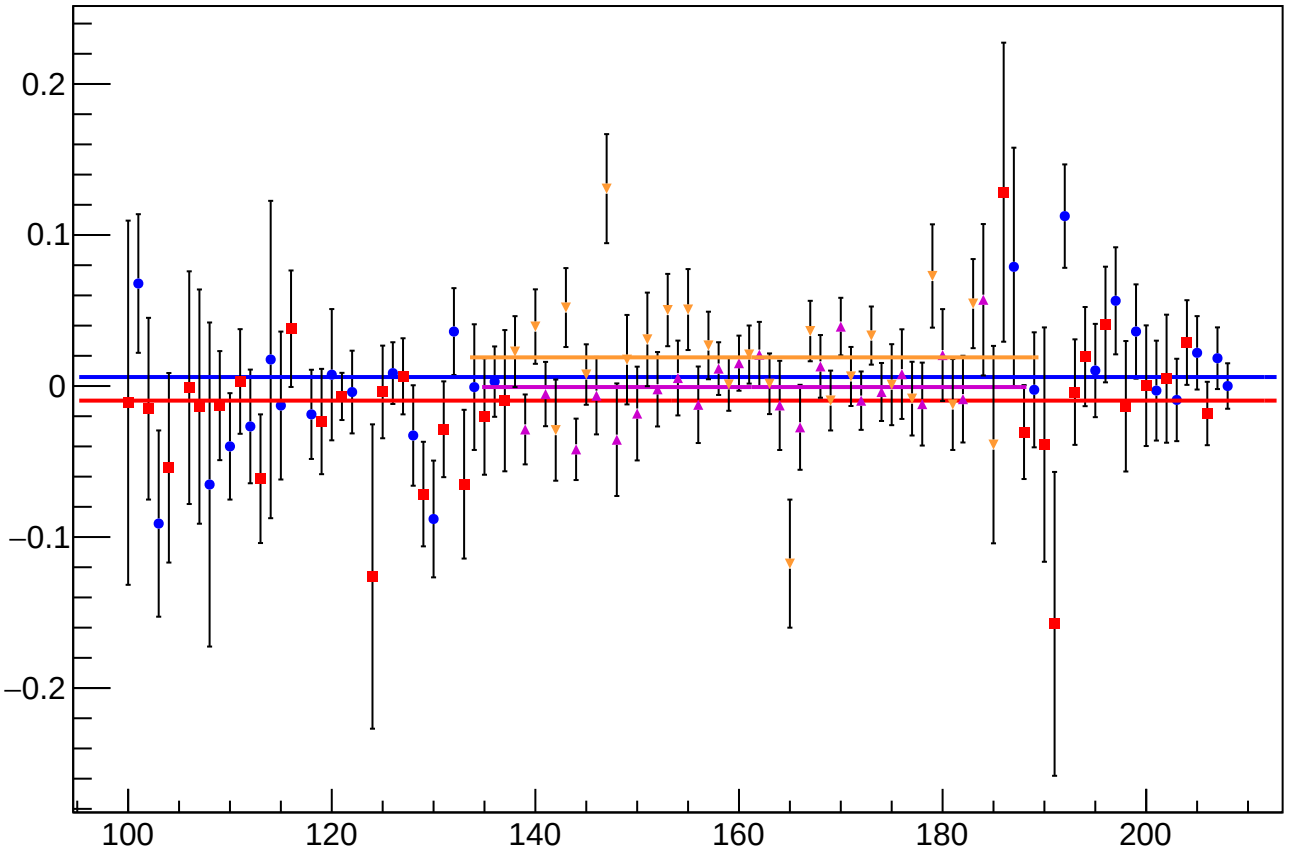
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.179+/-0.003 χ^2/NDF: 7499678.7/57

In: 20.795+/-0.003 χ^2/NDF:4195553.9/49

Out: 21.622+/-0.003 χ^2/NDF:6107412.0/55

All: 21.197+/-0.002 χ^2/NDF: 10349429.5/105



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

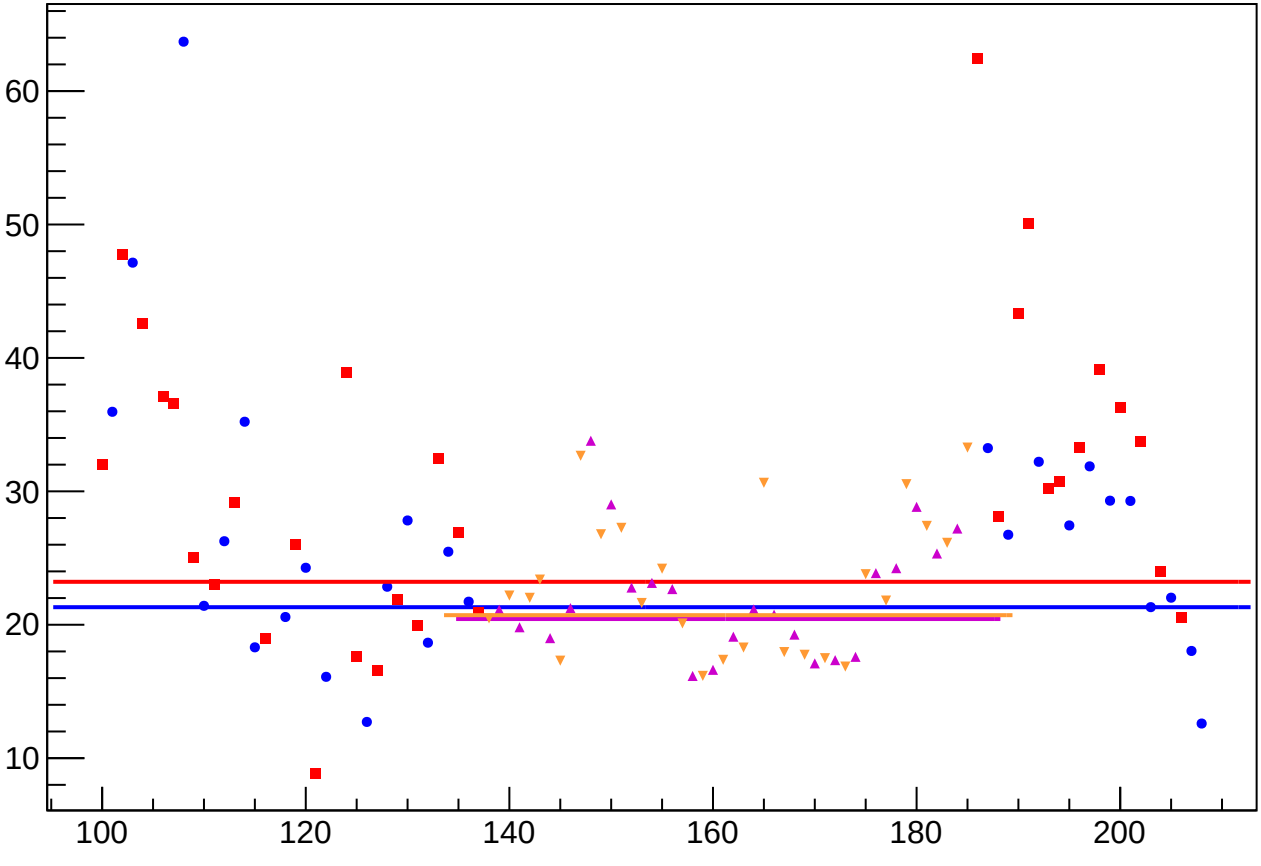
Right: -0.001+/-0.004 χ^2/NDF: 54.7/57

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 125.0/105

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

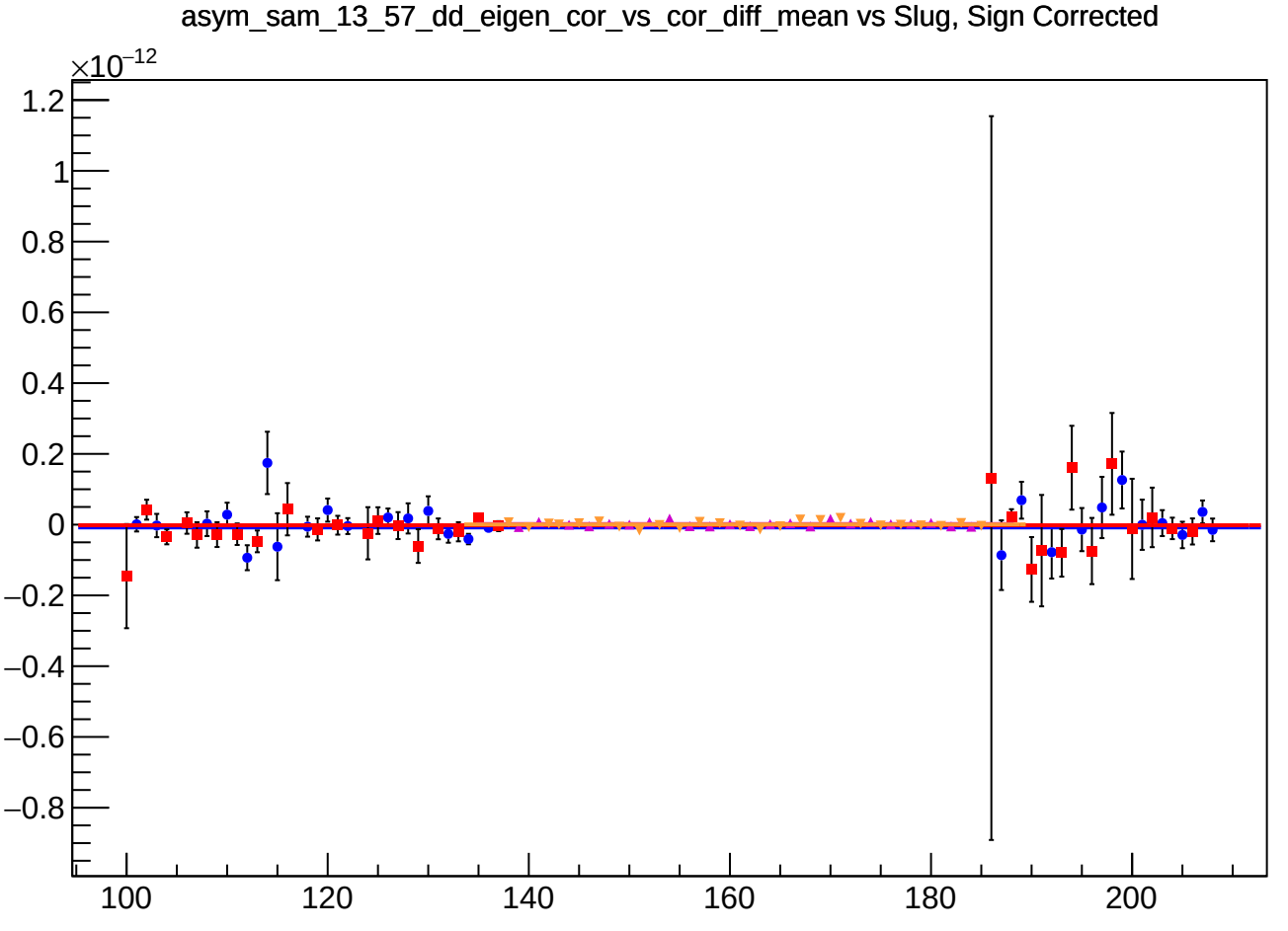
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.179+/-0.003 χ^2/NDF: 7499678.7/57

In: 20.795+/-0.003 χ^2/NDF:4195553.9/49

Out: 21.622+/-0.003 χ^2/NDF:6107412.0/55

All: 21.197+/-0.002 χ^2/NDF: 10349429.5/105



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

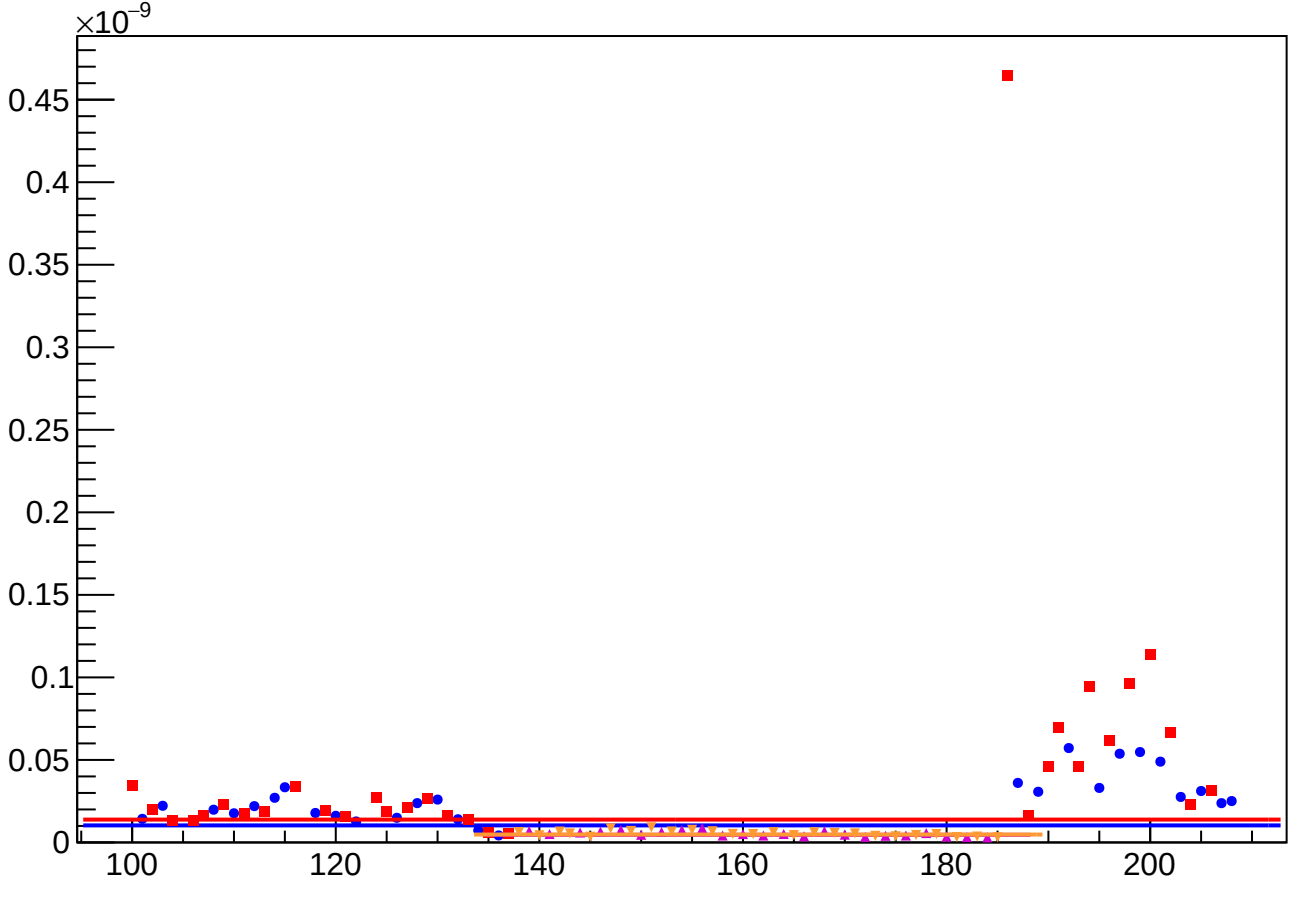
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 58.4/57

In: 0.000+/-0.000 χ^2/NDF:56.8/49

Out: 0.000+/-0.000 χ^2/NDF:54.9/55

All: 0.000+/-0.000 χ^2/NDF: 111.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 9188957.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8817164.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

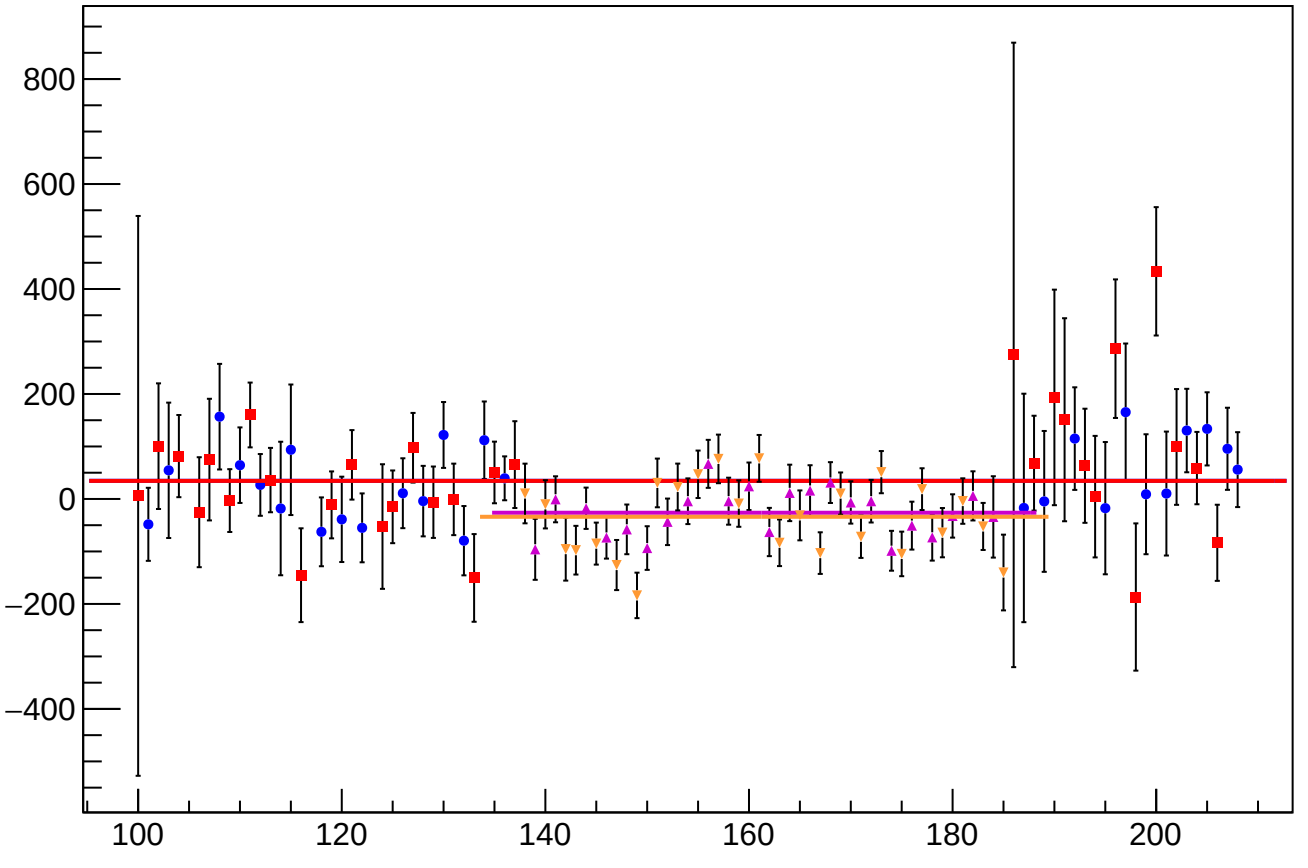
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18537778.0/57

In: 0.000+/-0.000 χ^2/NDF:14340393.4/49

Out: 0.000+/-0.000 χ^2/NDF:16419208.7/55

All: 0.000+/-0.000 χ^2/NDF: 30785985.8/105



Right In: 34.621+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.412+/-15.214 χ^2/NDF: 39.4/30

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

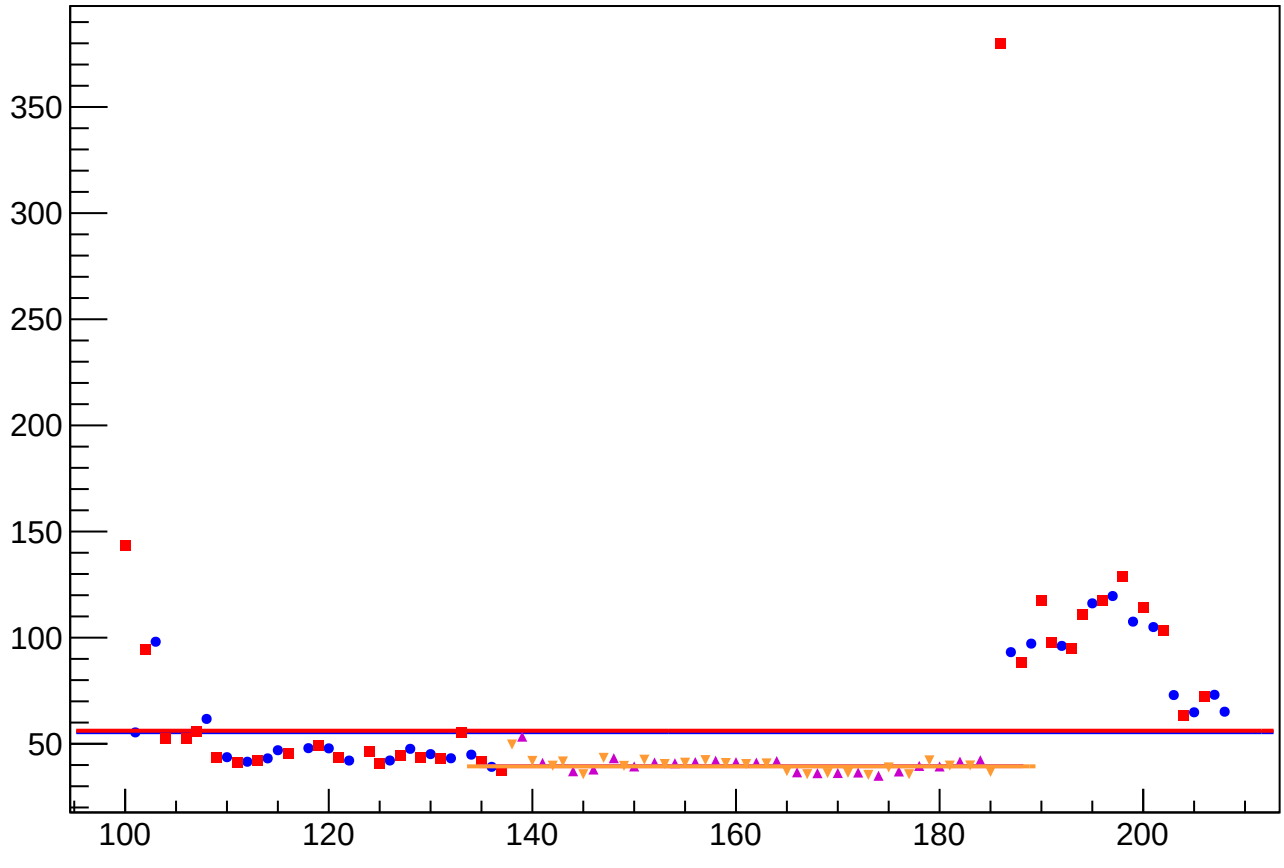
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 34.518+/-10.677 χ^2/NDF: 60.5/57

In: -9.415+/-7.885 χ^2/NDF:55.5/49

Out: -16.252+/-7.742 χ^2/NDF:113.1/55

All: -12.896+/-5.524 χ^2/NDF: 169.0/105



Right In: 55.478+/-0.011 χ^2/NDF: 3706939.2/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.165+/-0.011 χ^2/NDF: 4969388.0/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

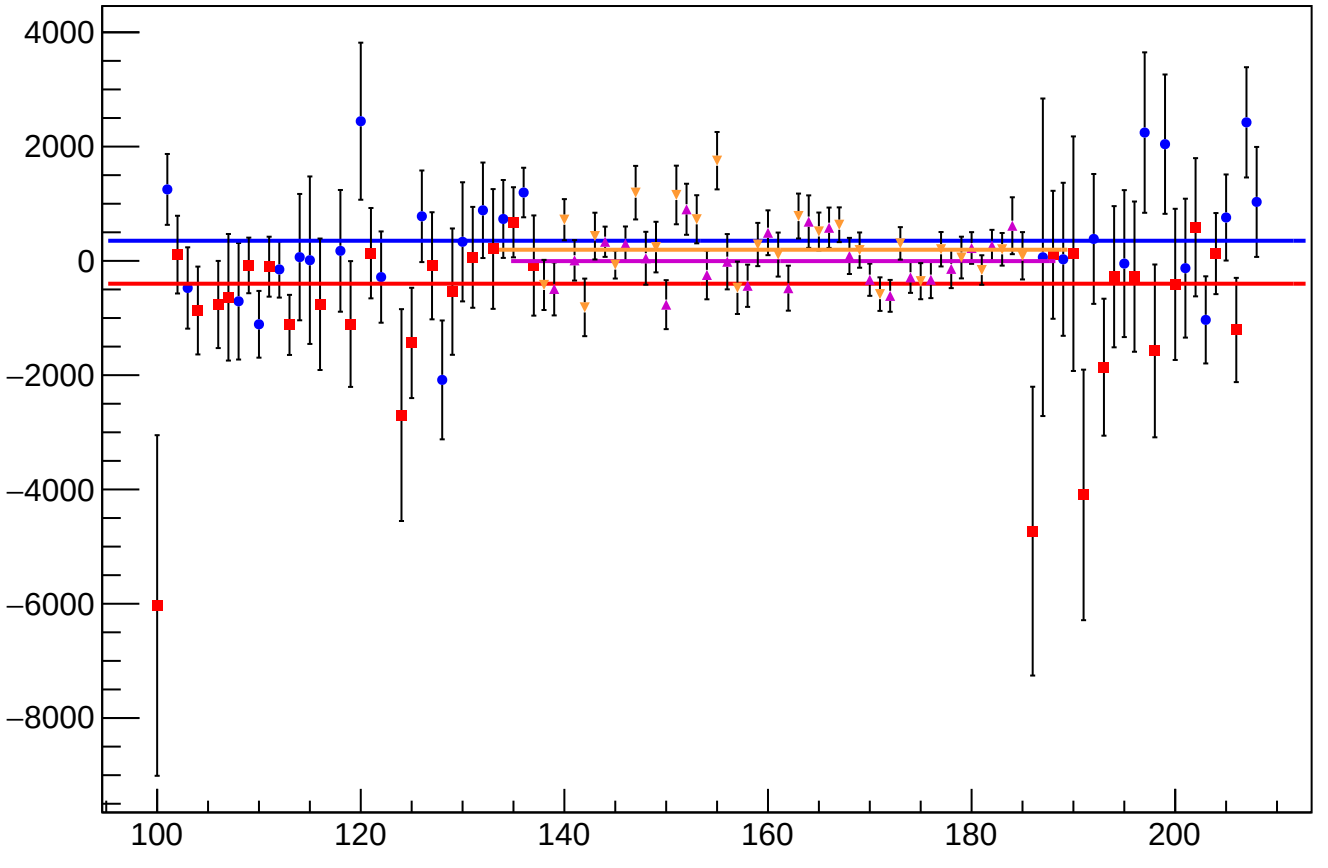
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.816+/-0.008 χ^2/NDF: 8678397.6/57

In: 43.915+/-0.006 χ^2/NDF:5604466.3/49

Out: 43.728+/-0.005 χ^2/NDF:7001587.6/55

All: 43.820+/-0.004 χ^2/NDF: 12606627.1/105



Right In: 352.251+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -399.507+/-160.453 χ^2/NDF: 25.2/30

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

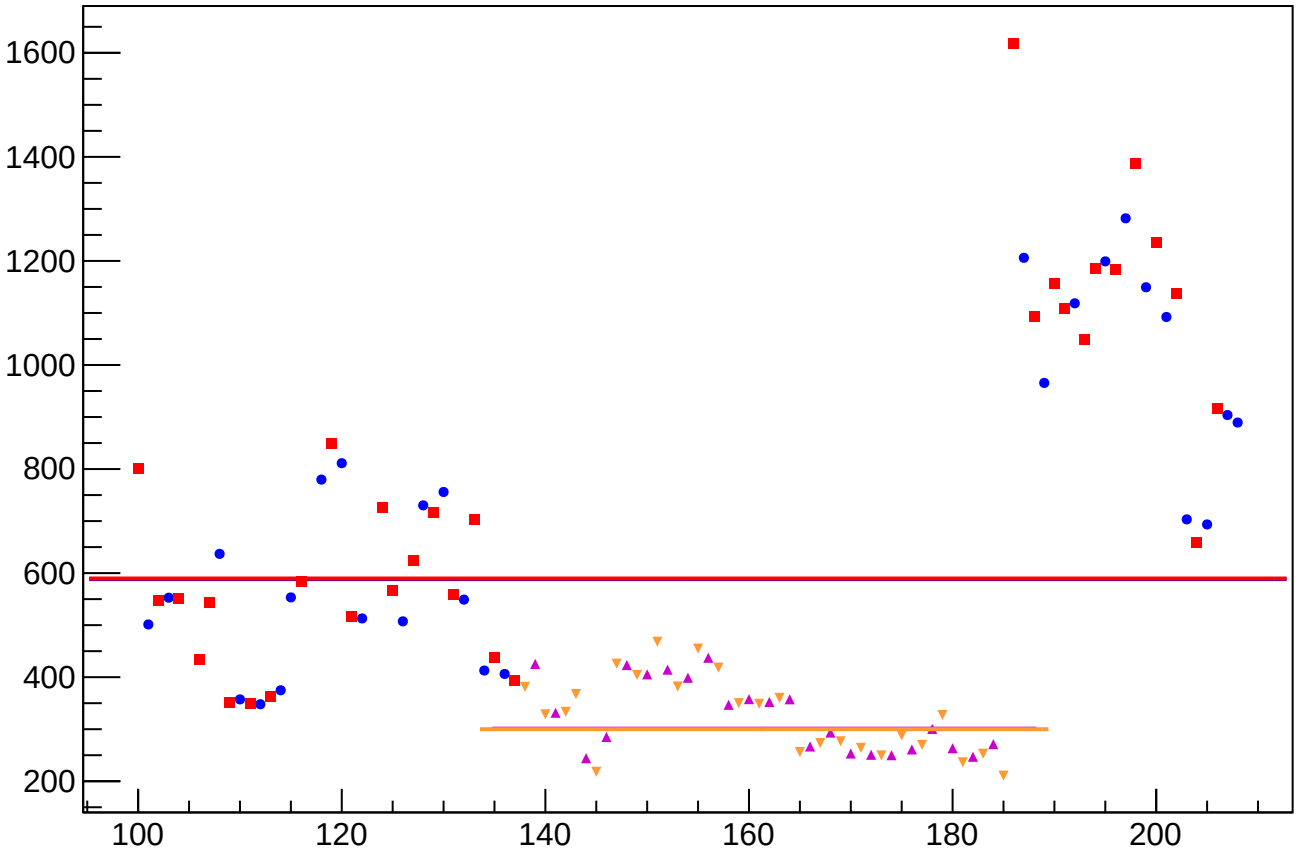
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -24.254+/-113.552 χ^2/NDF: 74.1/57

In: 55.507+/-65.693 χ^2/NDF:74.4/49

Out: 99.754+/-64.232 χ^2/NDF:85.3/55

All: 78.128+/-45.927 χ^2/NDF: 160.0/105



Right In: 588.498+/-0.114 χ^2/NDF: 4541648.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 589.619+/-0.113 χ^2/NDF: 5684544.9/30

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

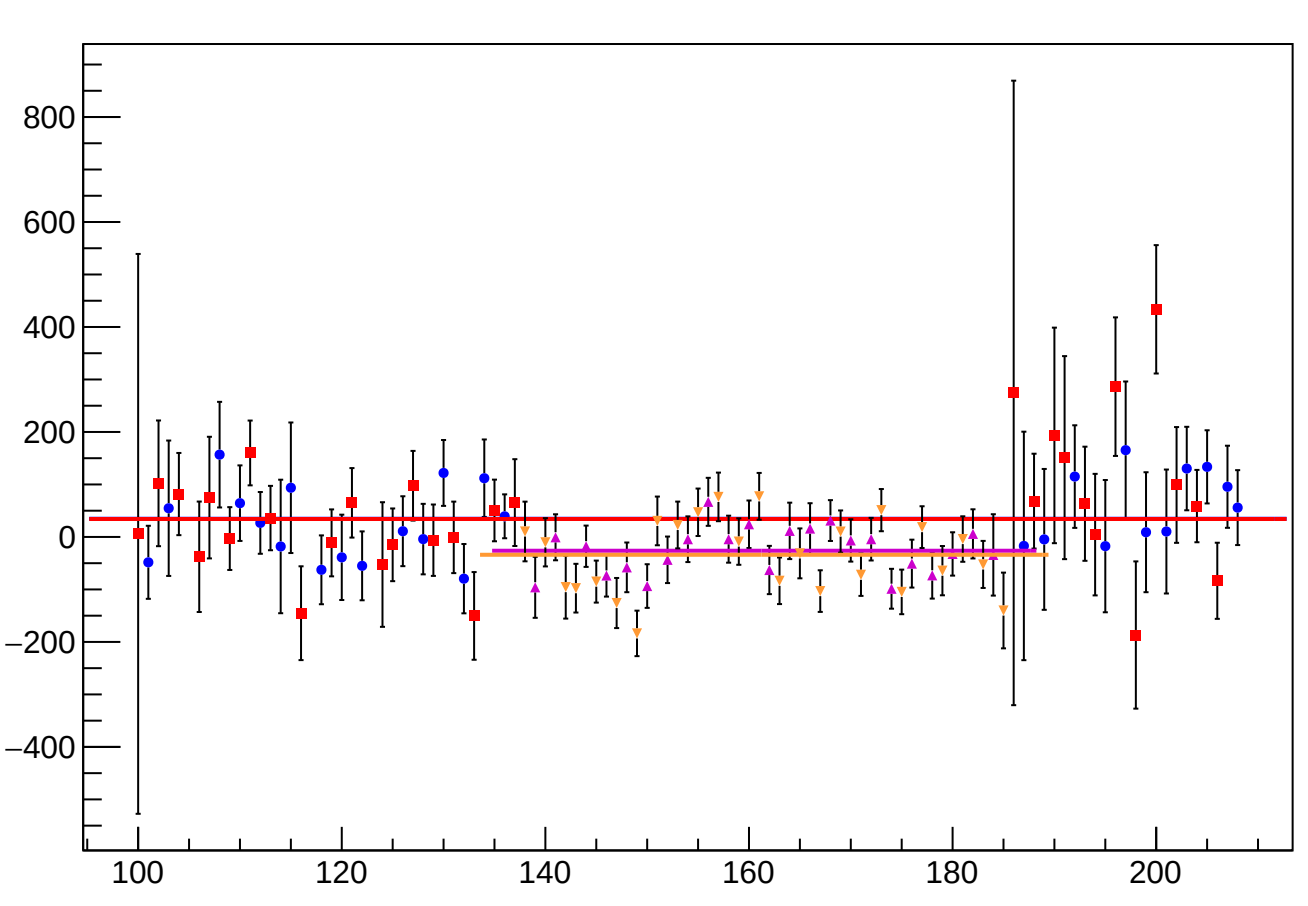
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 589.060+/-0.080 χ^2/NDF: 10226242.2/57

In: 349.032+/-0.046 χ^2/NDF:11279321.3/49

Out: 346.392+/-0.045 χ^2/NDF:12965817.2/55

All: 347.682+/-0.032 χ^2/NDF: 24246790.0/10



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.186+/-15.216 χ^2/NDF: 39.6/30

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

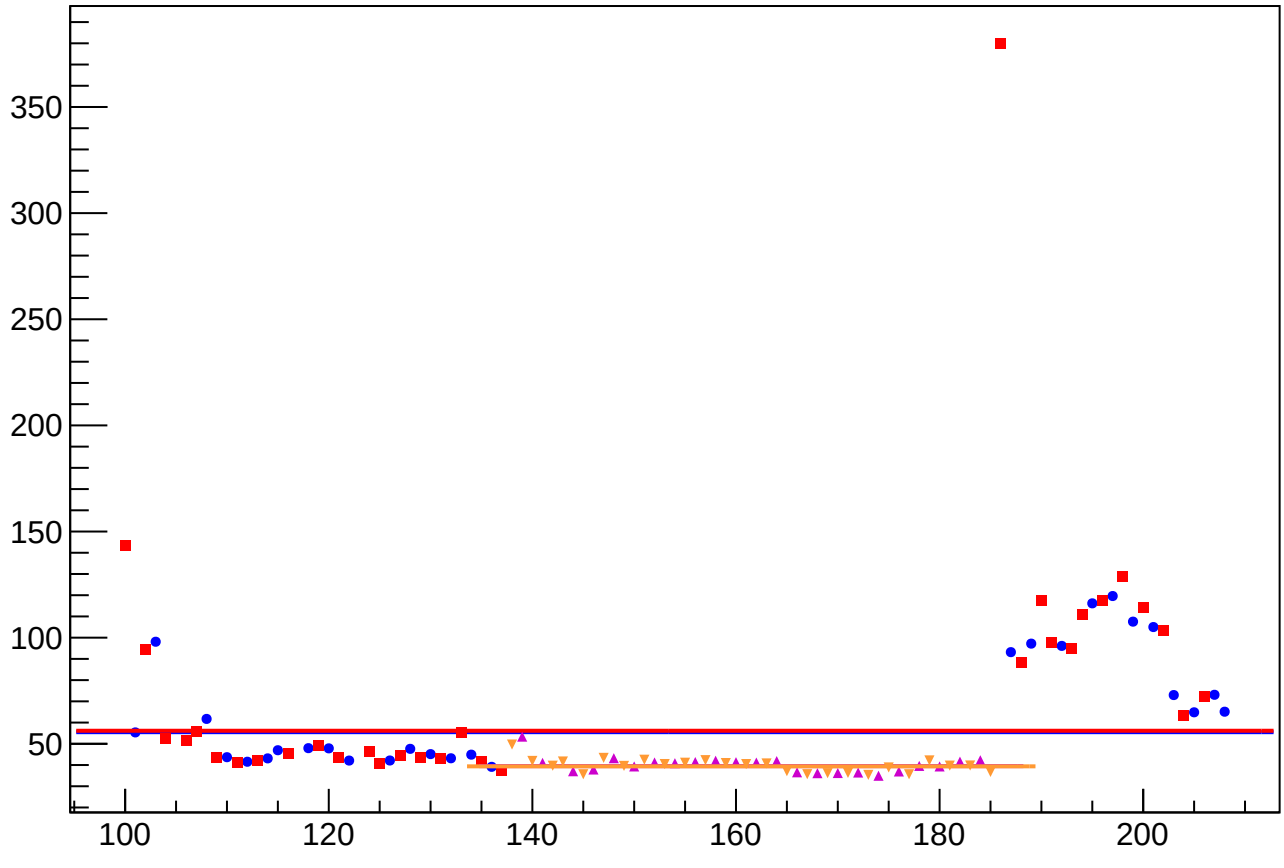
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 34.410+/-10.678 χ^2/NDF: 60.7/57

In: -9.414+/-7.885 χ^2/NDF:55.5/49

Out: -16.313+/-7.742 χ^2/NDF:113.2/55

All: -12.926+/-5.524 χ^2/NDF: 169.1/105



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

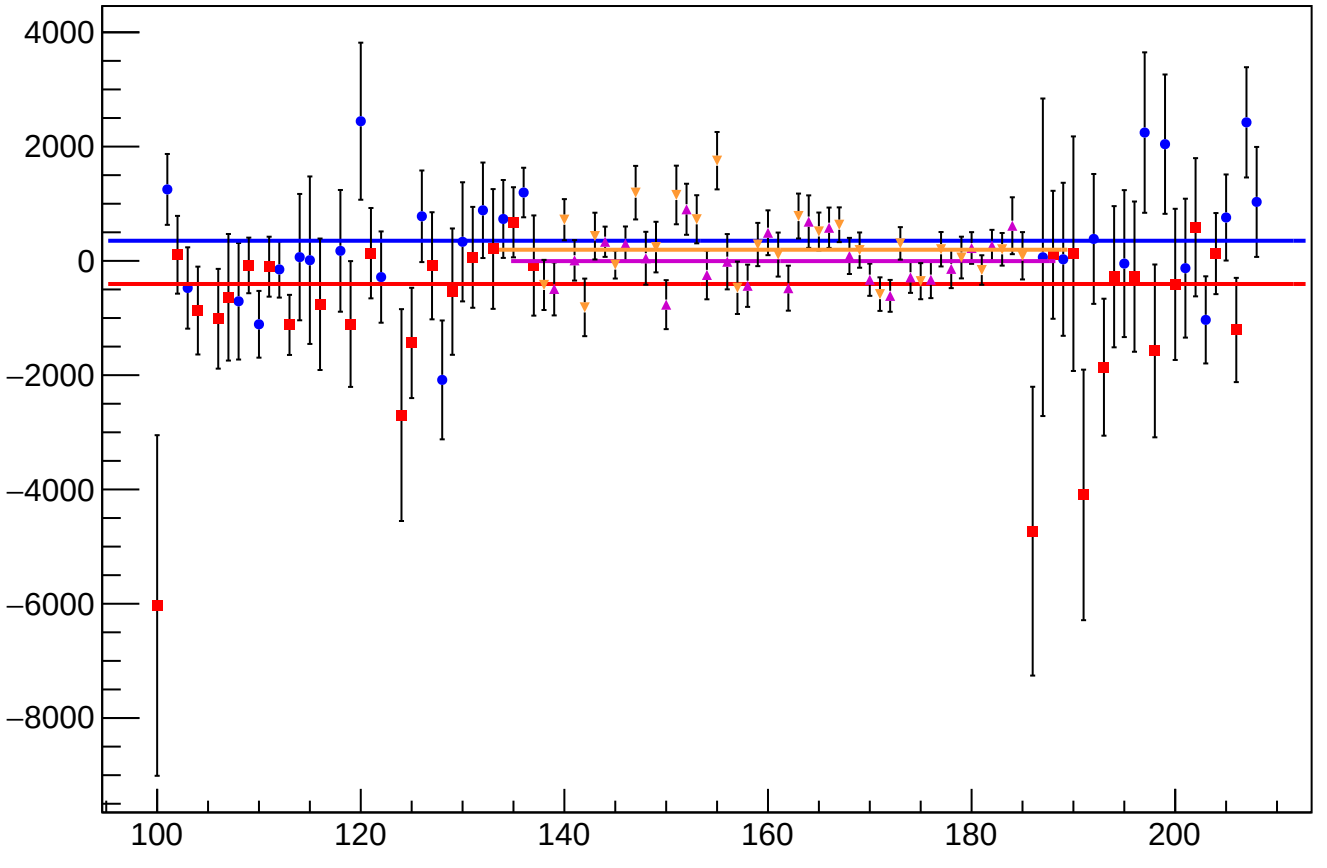
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.808+/-0.008 χ^2/NDF: 8679709.8/57

In: 43.915+/-0.006 χ^2/NDF:5604469.3/49

Out: 43.723+/-0.005 χ^2/NDF:6999223.2/55

All: 43.818+/-0.004 χ^2/NDF: 12604295.9/105



Right In: 352.256+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -404.393+/-161.306 χ^2/NDF: 25.4/30

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

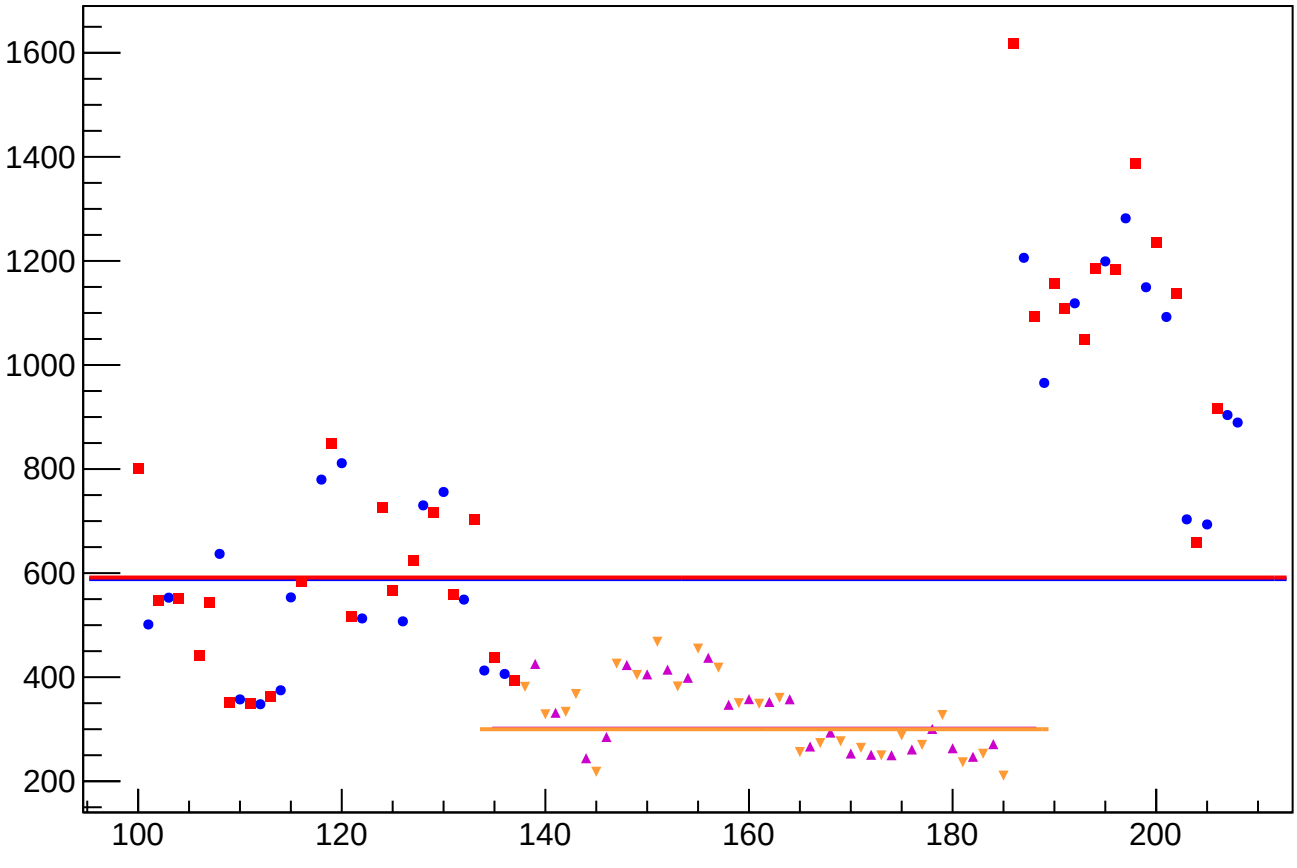
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -24.695+/-113.853 χ^2/NDF: 74.4/57

In: 55.507+/-65.693 χ^2/NDF:74.4/49

Out: 99.823+/-64.286 χ^2/NDF:85.7/55

All: 78.145+/-45.947 χ^2/NDF: 160.3/105



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

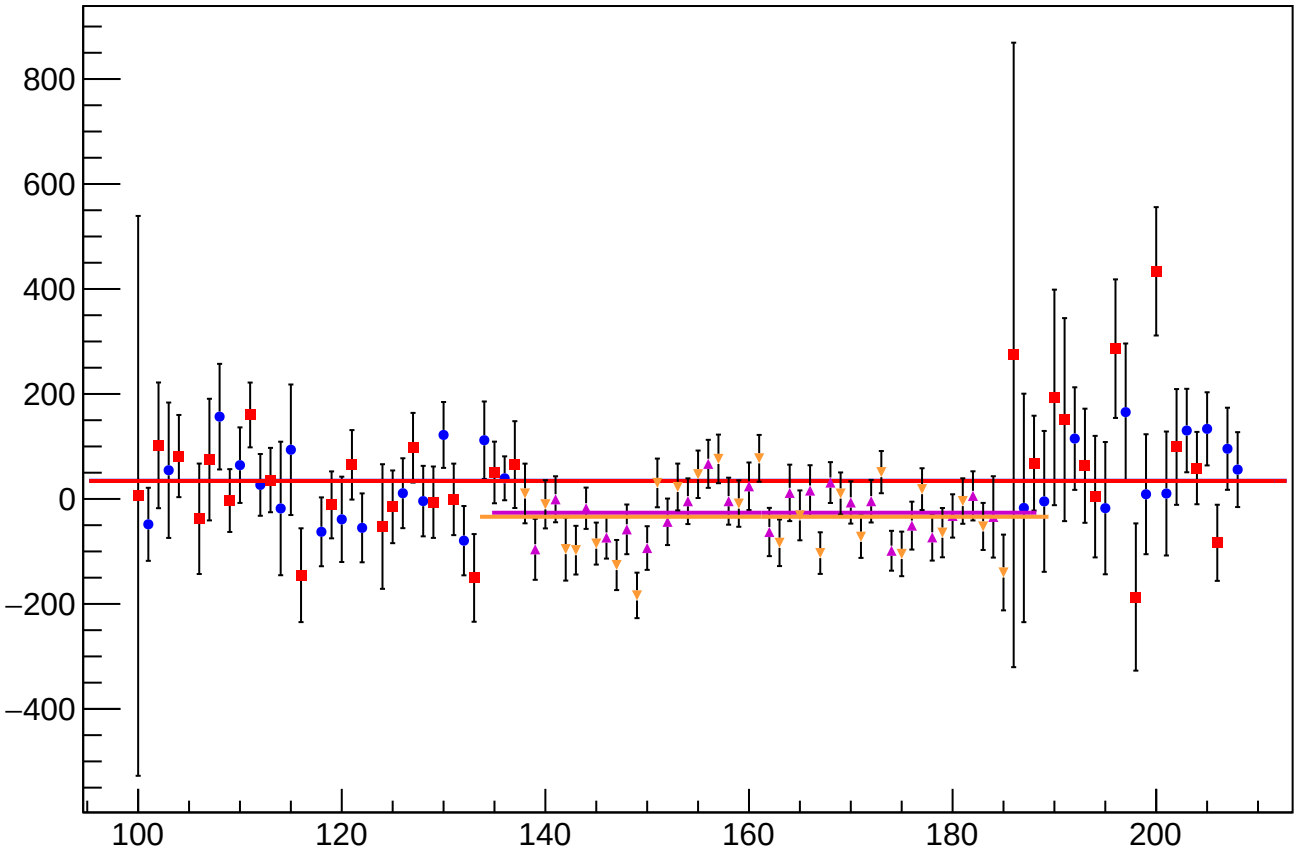
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 590.015+/-0.081 χ^2/NDF: 10200629.3/57

In: 349.032+/-0.046 χ^2/NDF:11279382.5/49

Out: 346.285+/-0.045 χ^2/NDF:12963481.4/55

All: 347.629+/-0.032 χ^2/NDF: 24244650.3/10



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 34.186+/-15.216 χ^2/NDF: 39.6/30

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

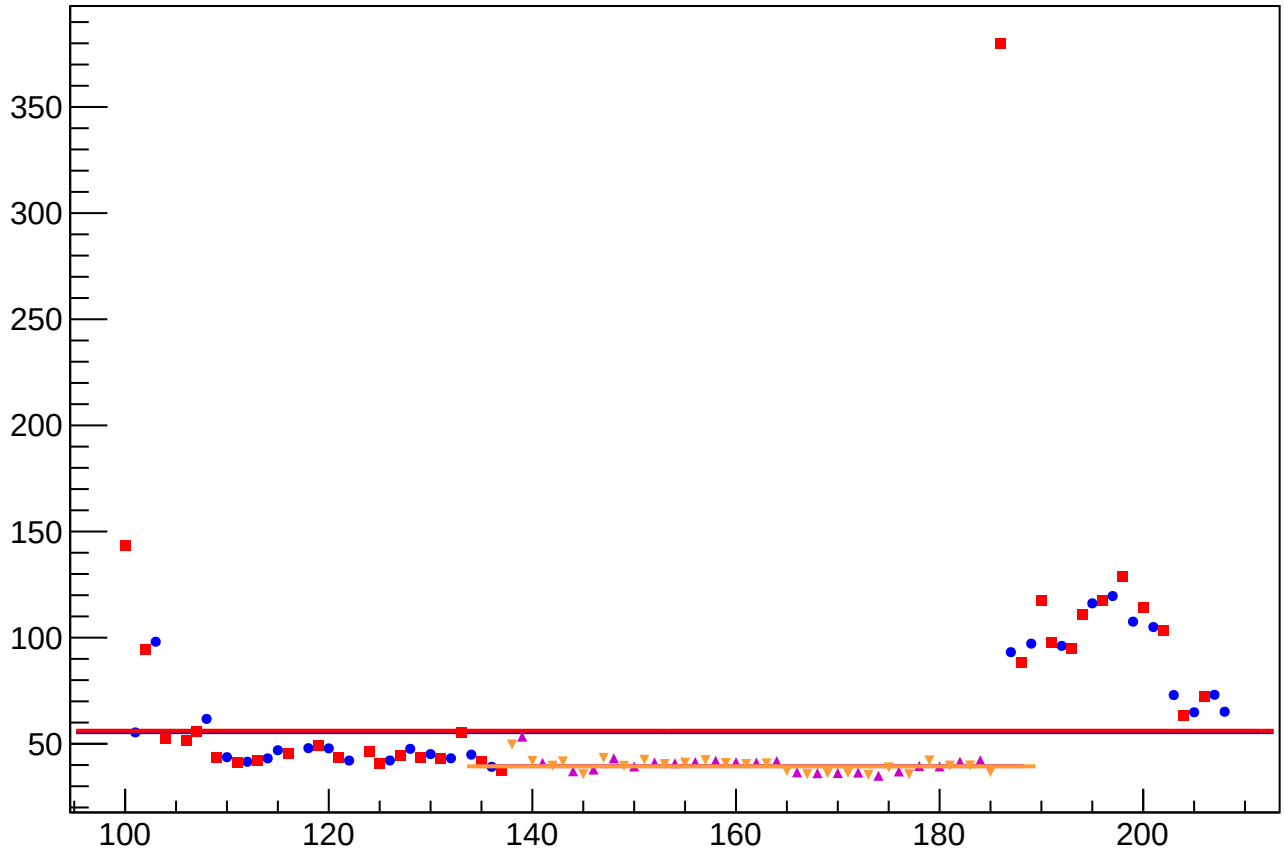
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 34.410+/-10.678 χ^2/NDF: 60.7/57

In: -9.414+/-7.885 χ^2/NDF:55.5/49

Out: -16.313+/-7.742 χ^2/NDF:113.2/55

All: -12.926+/-5.524 χ^2/NDF: 169.1/105



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

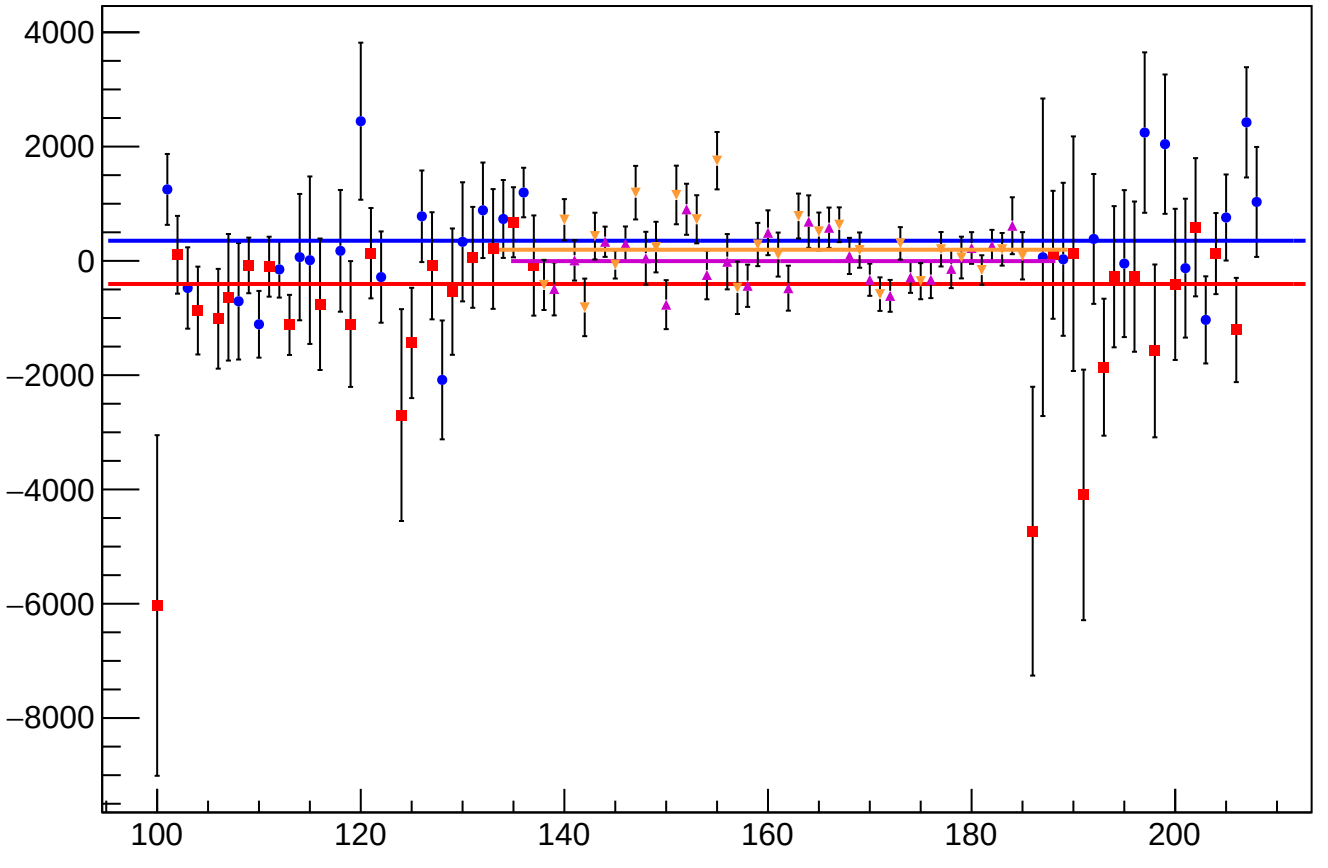
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.808+/-0.008 χ^2/NDF: 8679709.8/57

In: 43.915+/-0.006 χ^2/NDF:5604469.3/49

Out: 43.723+/-0.005 χ^2/NDF:6999223.2/55

All: 43.818+/-0.004 χ^2/NDF: 12604295.9/105



Right In: 352.256+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -404.393+/-161.306 χ^2/NDF: 25.4/30

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

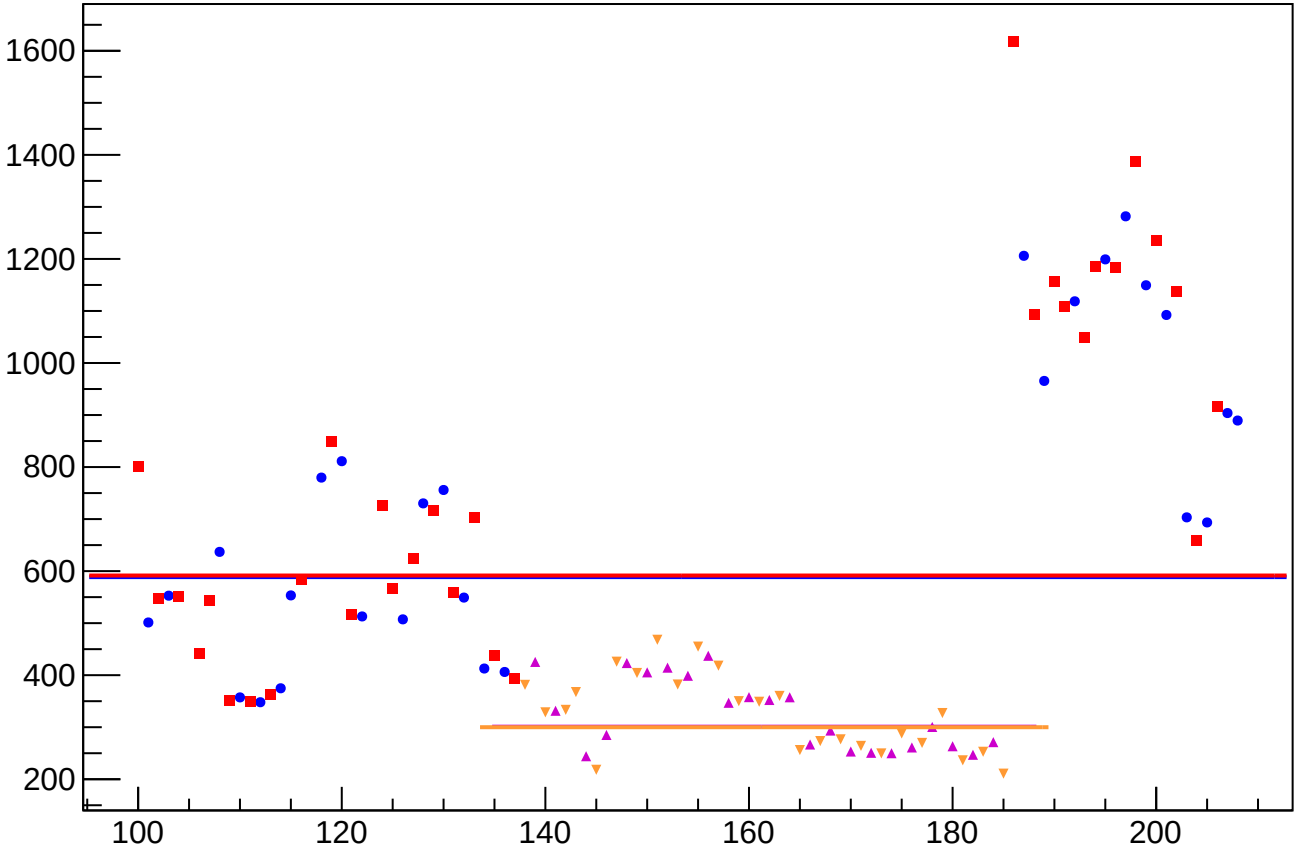
Right: -24.695+/-113.853 χ^2/NDF: 74.4/57

In: 55.507+/-65.693 χ^2/NDF:74.4/49

Out: 99.823+/-64.286 χ^2/NDF:85.7/55

All: 78.145+/-45.947 χ^2/NDF: 160.3/105

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

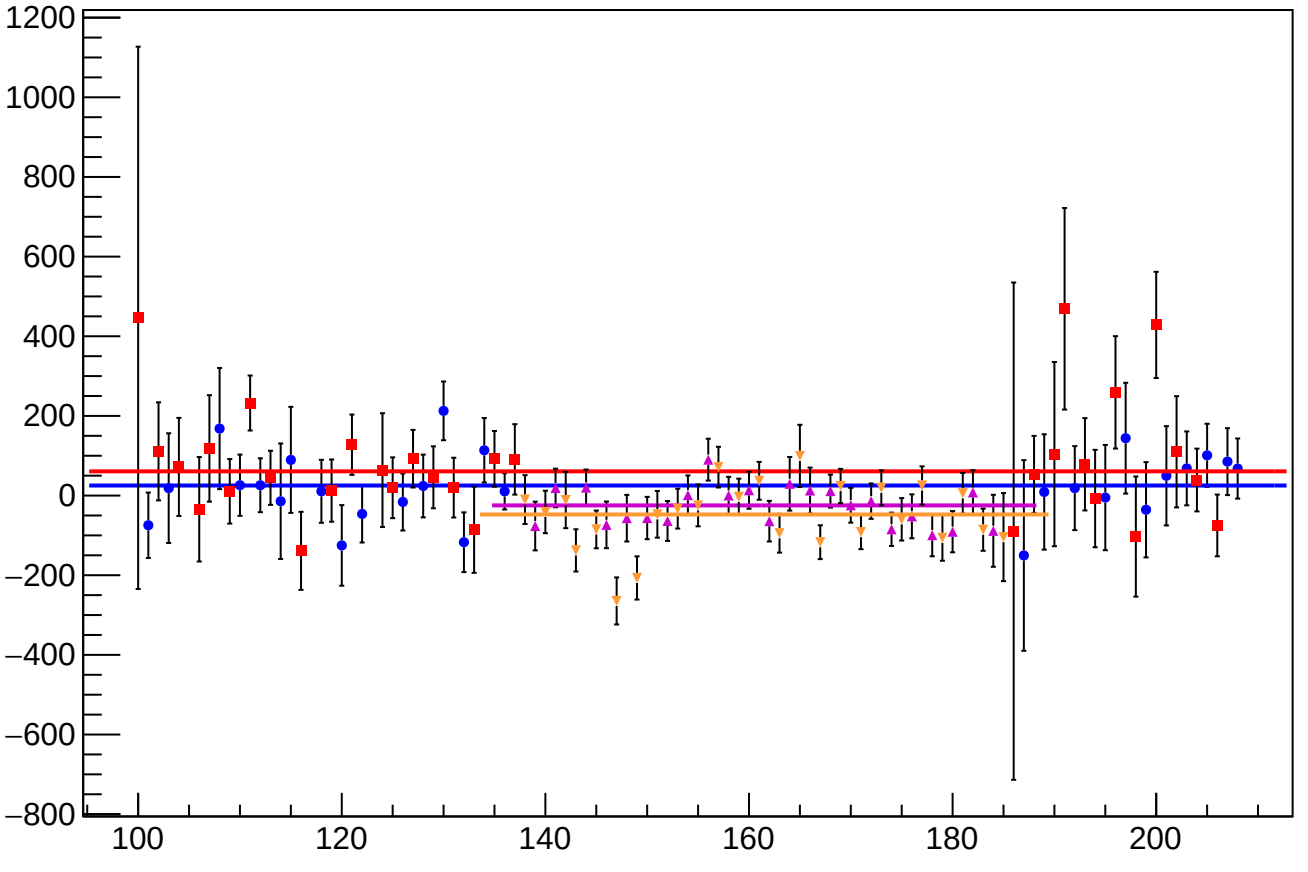
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 590.015+/-0.081 χ^2/NDF: 10200629.3/57

In: 349.032+/-0.046 χ^2/NDF:11279382.5/49

Out: 346.285+/-0.045 χ^2/NDF:12963481.4/55

All: 347.629+/-0.032 χ^2/NDF: 24244650.3/10



Right In: 25.240+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.854+/-17.523 χ^2/NDF: 33.2/30

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

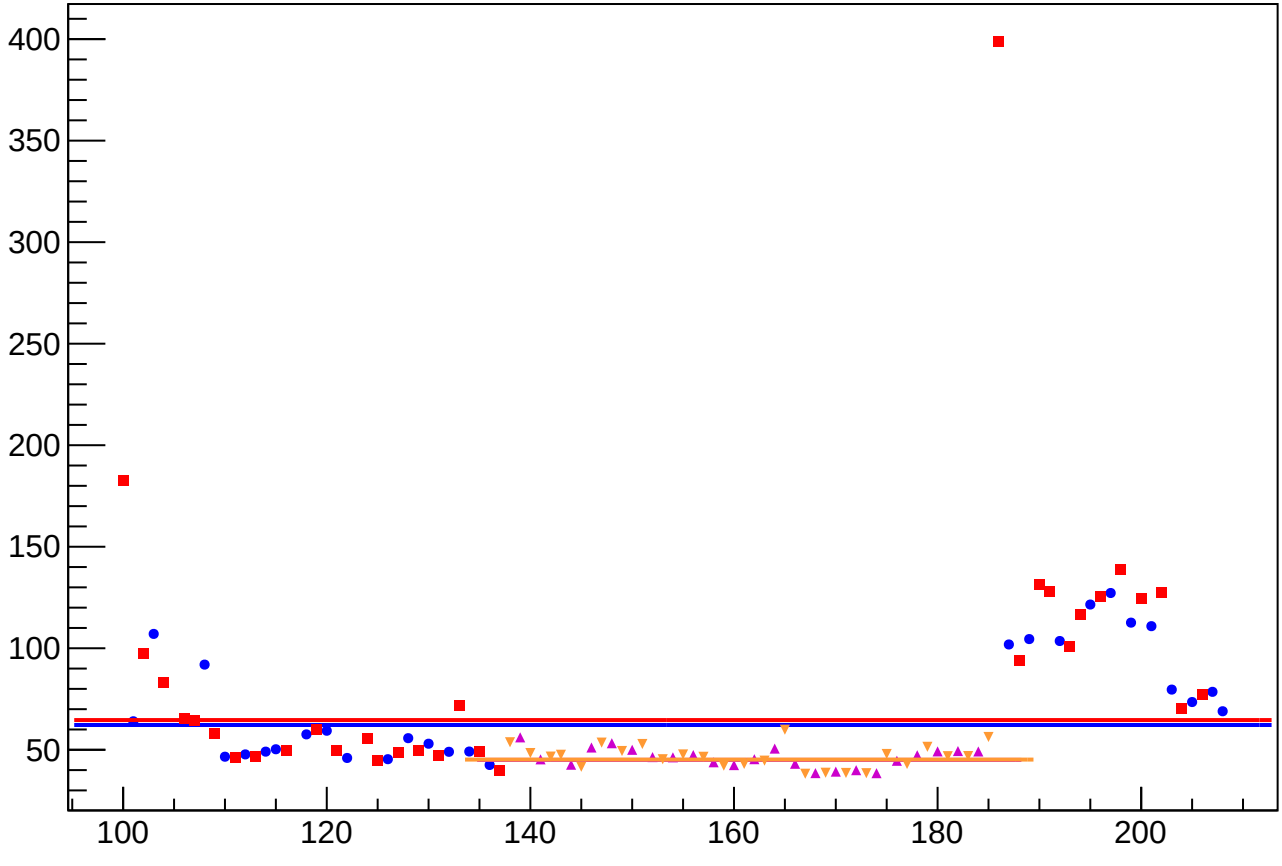
Right: 42.331+/-12.139 χ^2/NDF: 56.5/57

In: -10.395+/-9.006 χ^2/NDF:47.2/49

Out: -19.291+/-8.938 χ^2/NDF:116.1/55

All: -14.877+/-6.344 χ^2/NDF: 163.8/105

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 62.213+/-0.012 χ^2/NDF: 3485563.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.639+/-0.012 χ^2/NDF: 4701817.7/30

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

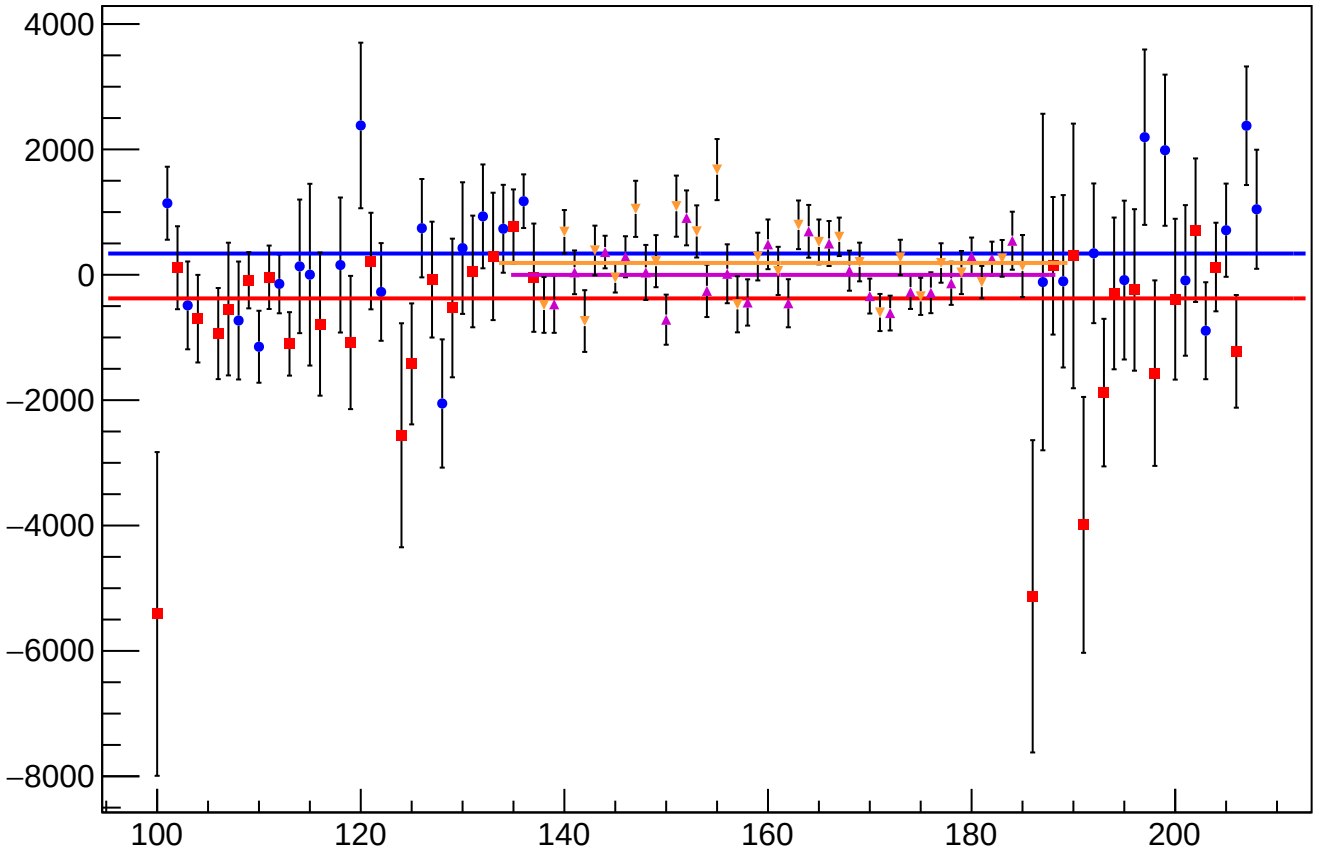
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 63.377+/-0.009 χ^2/NDF: 8207316.1/57

In: 49.940+/-0.006 χ^2/NDF:5347958.5/49

Out: 50.239+/-0.006 χ^2/NDF:7017123.7/55

All: 50.091+/-0.004 χ^2/NDF: 12366198.2/105



Right In: 338.823+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -376.829+/-154.856 χ^2/NDF: 28.3/30

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

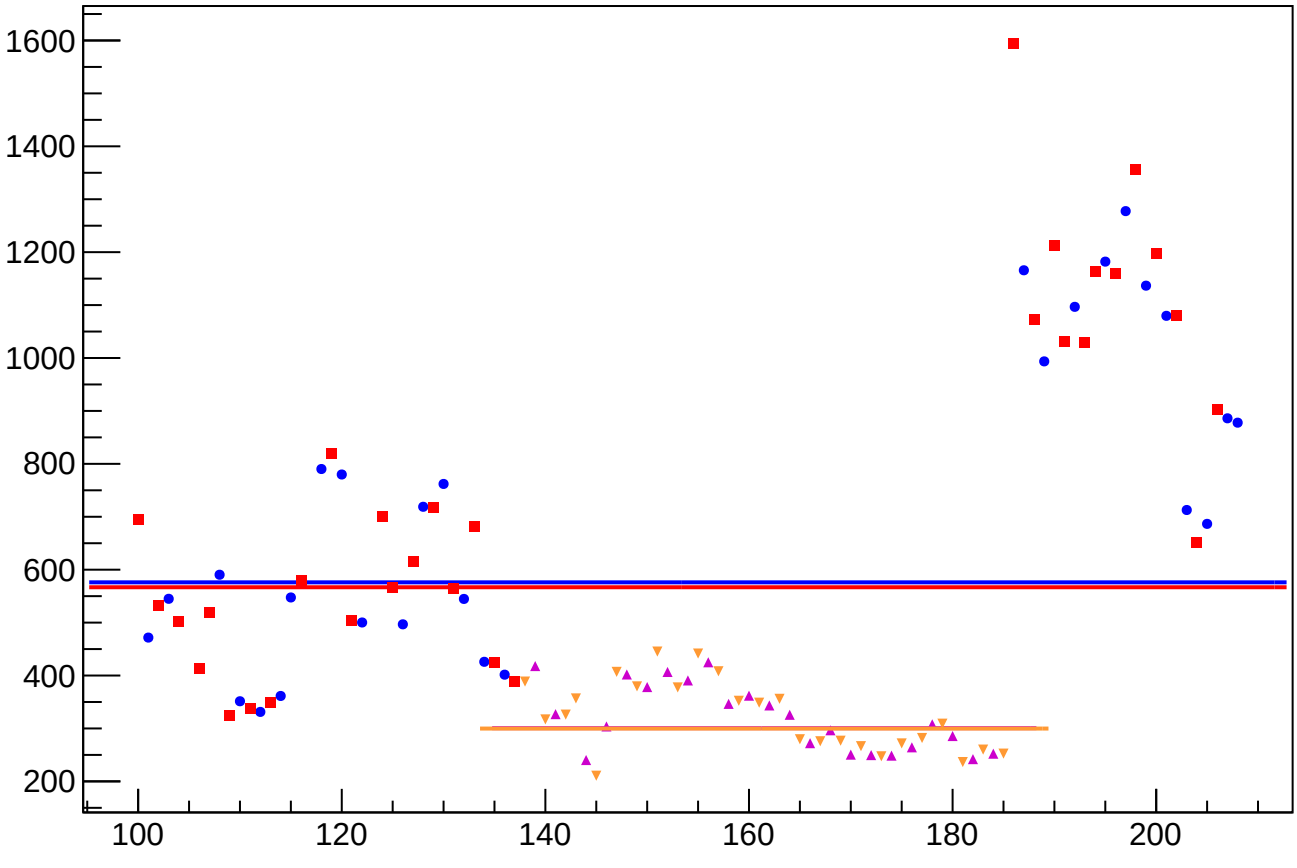
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -25.282+/-110.456 χ^2/NDF: 76.6/57

In: 56.751+/-65.272 χ^2/NDF:73.9/49

Out: 93.494+/-63.569 χ^2/NDF:86.1/55

All: 75.608+/-45.540 χ^2/NDF: 160.2/105



Right In: 576.094+/-0.111 χ^2/NDF: 4681705.5/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 566.814+/-0.109 χ^2/NDF: 5927137.9/30

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

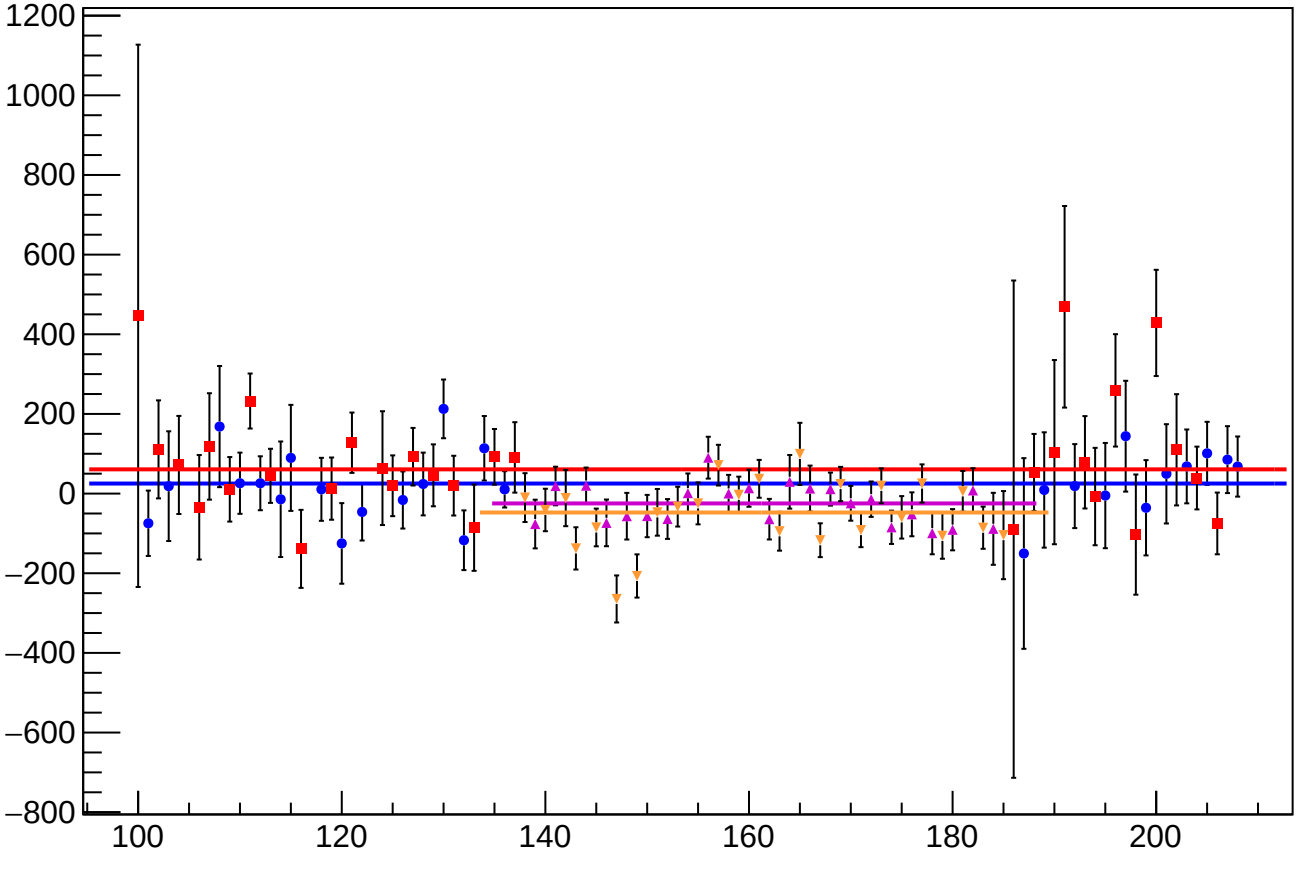
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 571.373+/-0.078 χ^2/NDF: 10612372.3/57

In: 347.812+/-0.046 χ^2/NDF:11006297.8/49

Out: 344.794+/-0.045 χ^2/NDF:12448846.1/55

All: 346.263+/-0.032 χ^2/NDF: 23457337.6/10



Right In: 25.239+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 60.855+/-17.523 χ^2/NDF: 33.2/30

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

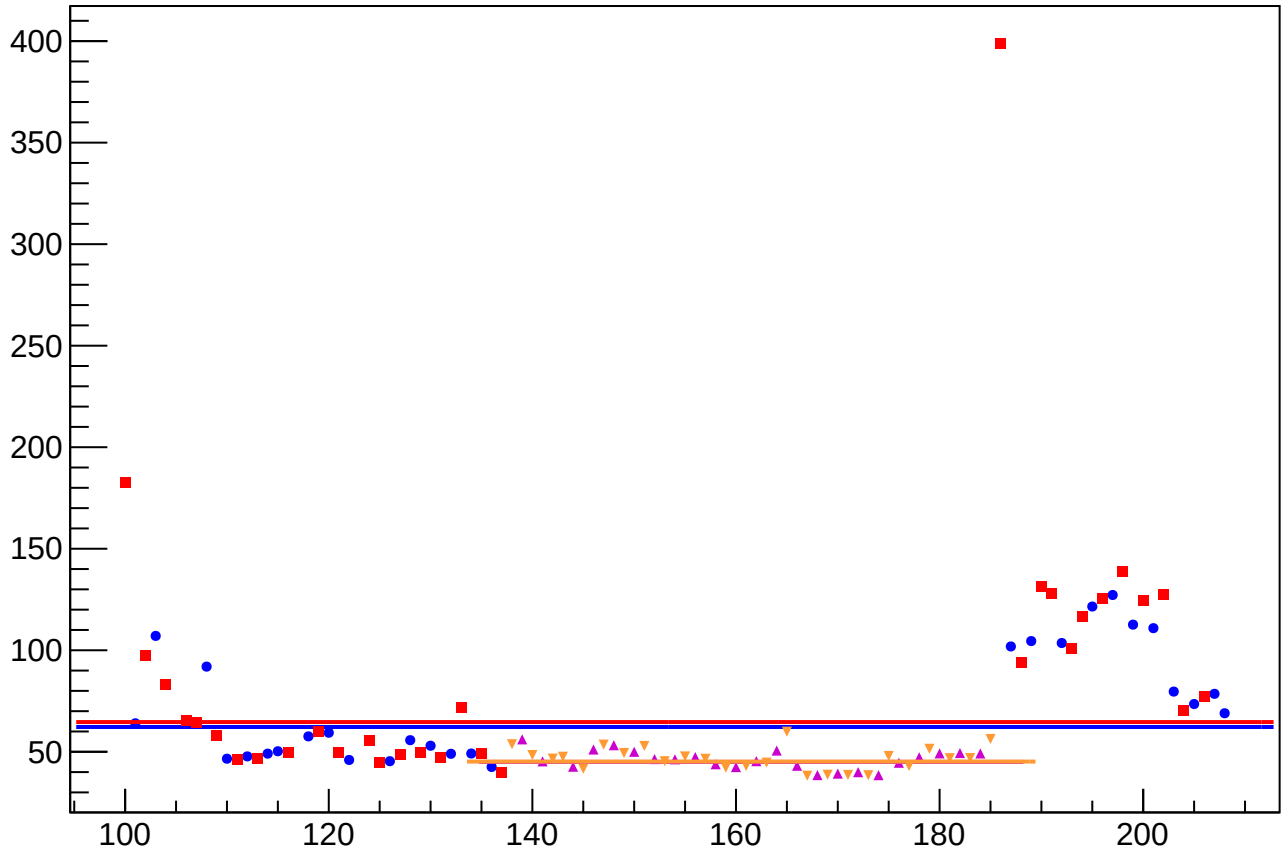
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 42.331+/-12.139 χ^2/NDF: 56.5/57

In: -10.395+/-9.006 χ^2/NDF:47.2/49

Out: -19.292+/-8.938 χ^2/NDF:116.1/55

All: -14.877+/-6.344 χ^2/NDF: 163.8/105



Right In: 62.213+/-0.012 χ^2/NDF: 3485568.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.639+/-0.012 χ^2/NDF: 4701822.0/30

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

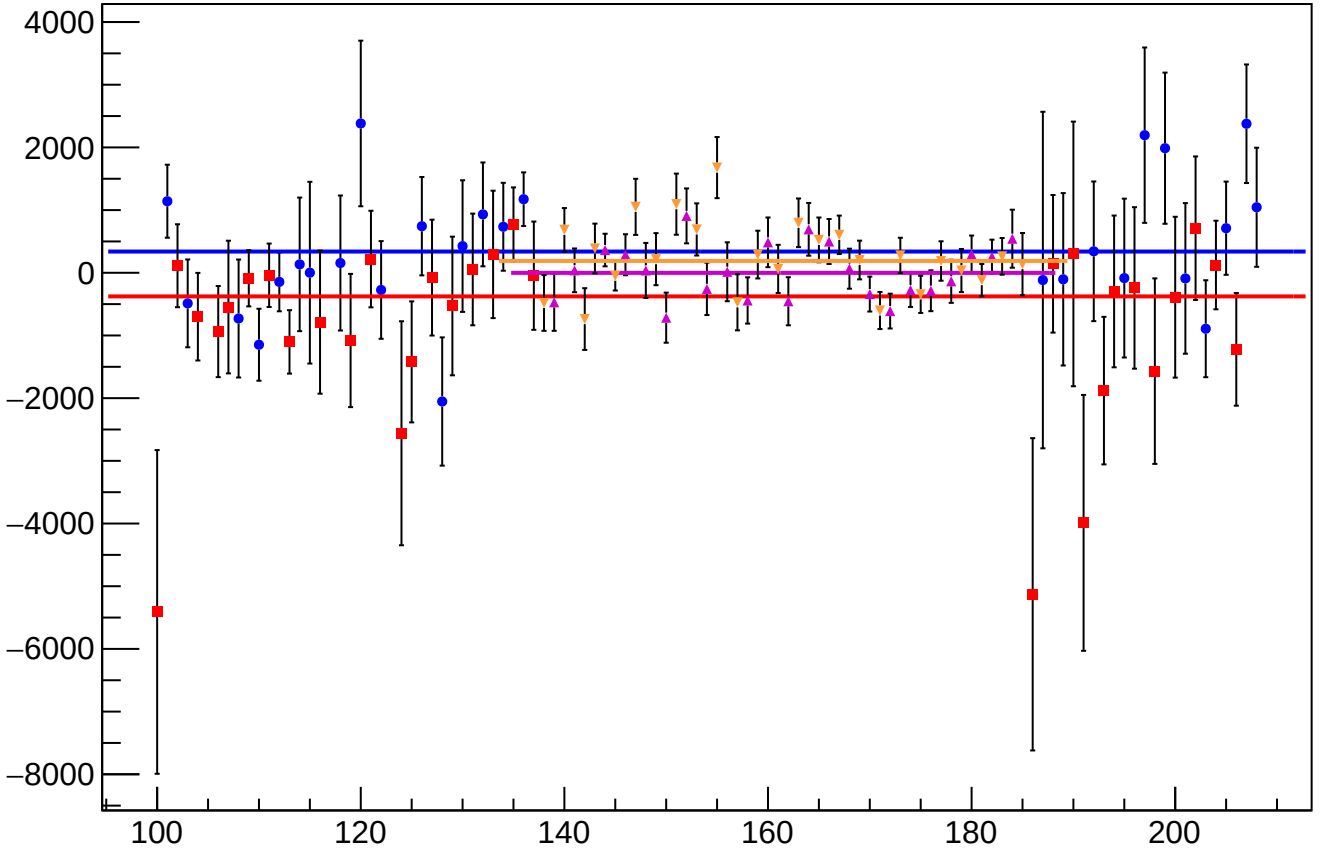
Right: 63.377+/-0.009 χ^2/NDF: 8207326.1/57

In: 49.940+/-0.006 χ^2/NDF:5347959.7/49

Out: 50.239+/-0.006 χ^2/NDF:7017137.3/55

All: 50.091+/-0.004 χ^2/NDF: 12366212.8/105

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 338.822+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -376.828+/-154.855 χ^2/NDF: 28.3/30

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

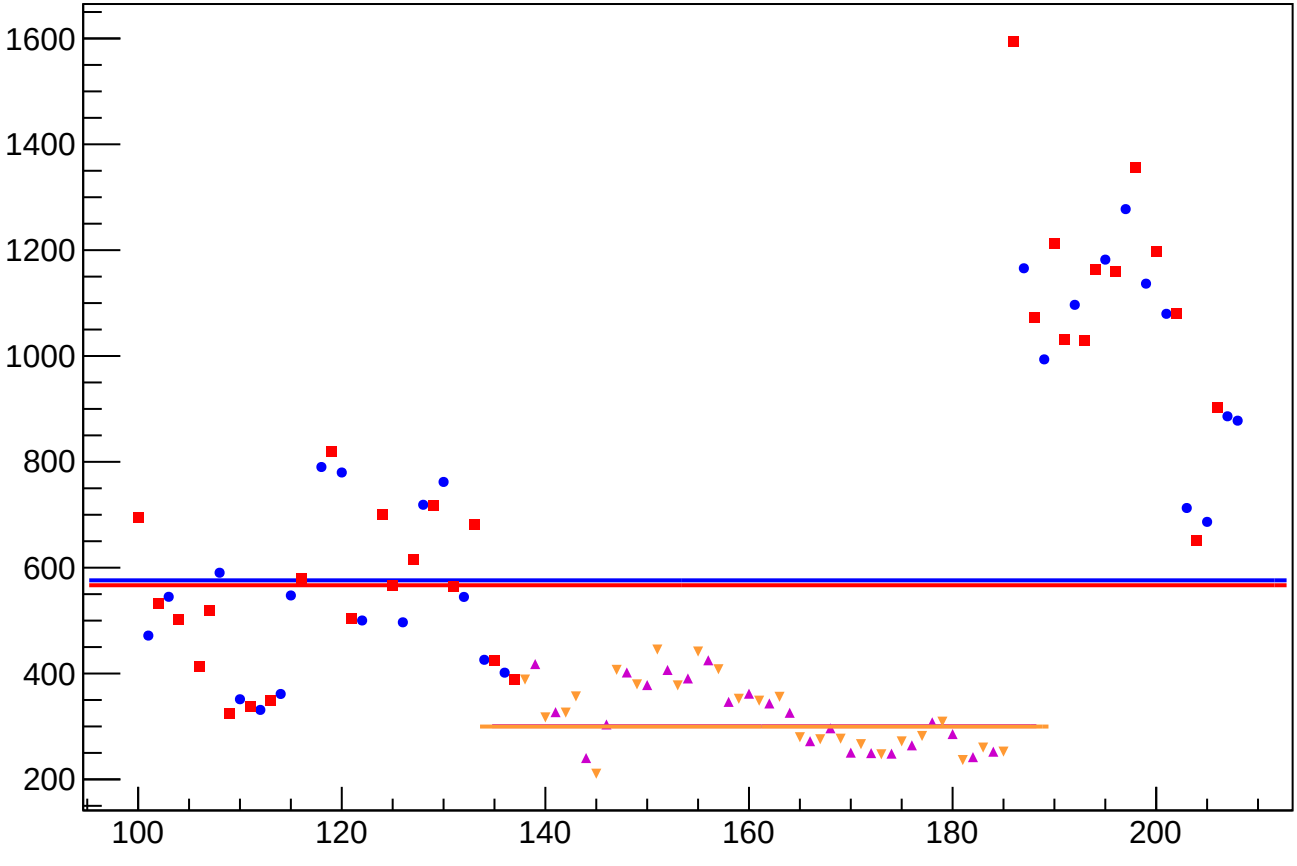
Right: -25.282+/-110.456 χ^2/NDF: 76.6/57

In: 56.751+/-65.273 χ^2/NDF:73.9/49

Out: 93.493+/-63.569 χ^2/NDF:86.1/55

All: 75.608+/-45.540 χ^2/NDF: 160.2/105

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 576.094+/-0.111 χ^2/NDF: 4681719.3/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 566.813+/-0.109 χ^2/NDF: 5927144.9/30

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

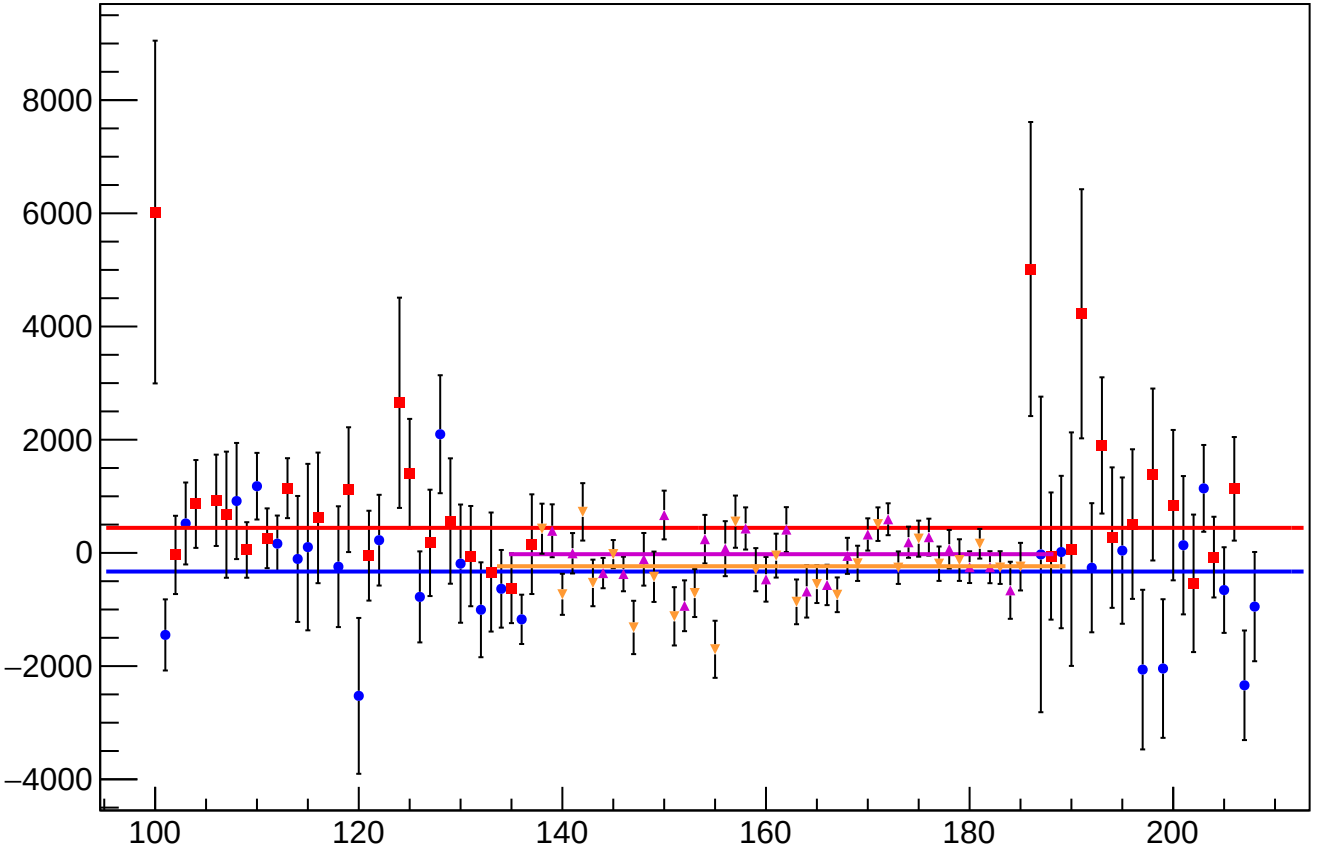
Right: 571.372+/-0.078 χ^2/NDF: 10612393.2/57

In: 347.812+/-0.046 χ^2/NDF:11006268.7/49

Out: 344.794+/-0.045 χ^2/NDF:12448824.2/55

All: 346.263+/-0.032 χ^2/NDF: 23457287.0/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -329.188+/-161.718 χ^2/NDF: 39.4/26

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 442.525+/-161.793 χ^2/NDF: 24.3/30

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

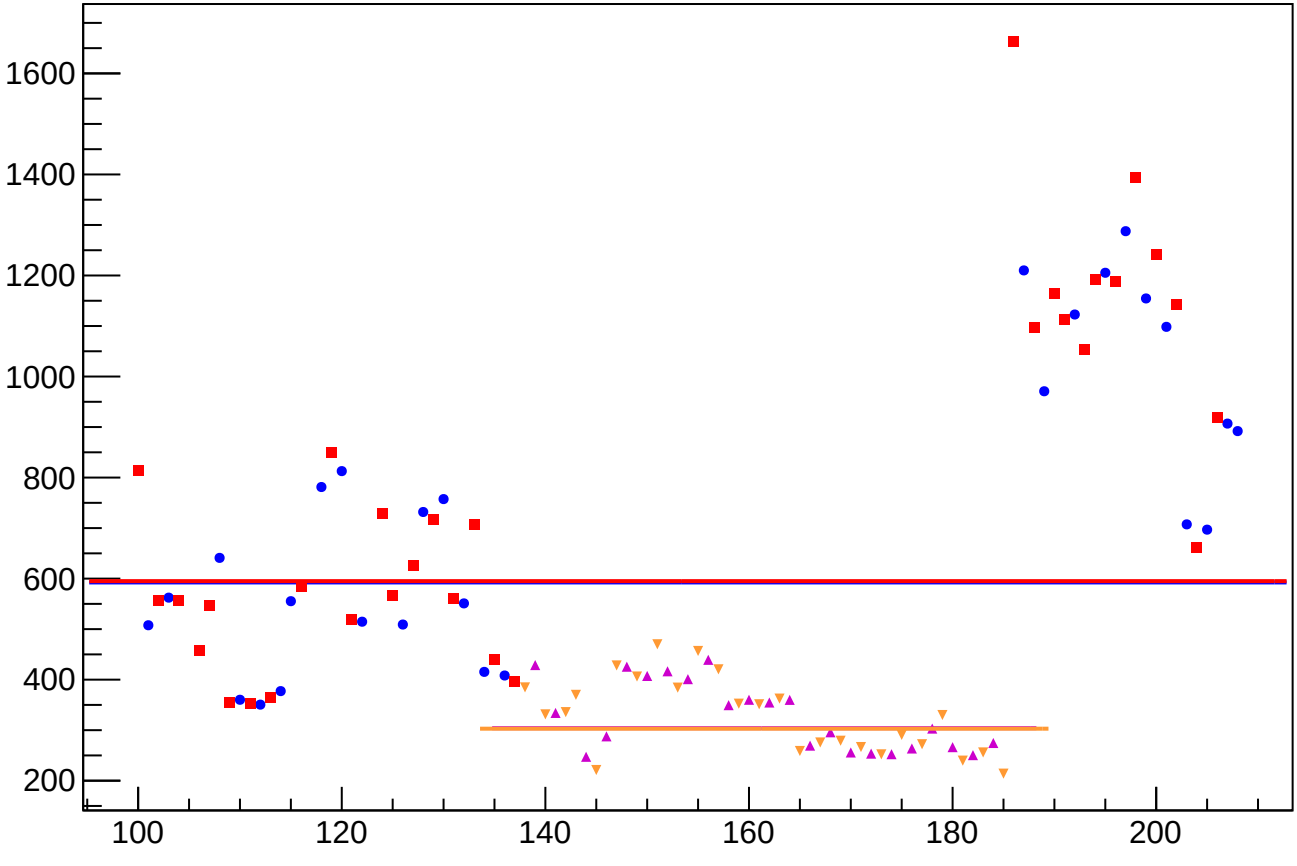
Right: 56.491+/-114.378 χ^2/NDF: 75.1/57

In: -74.127+/-66.264 χ^2/NDF:72.3/49

Out: -126.404+/-64.816 χ^2/NDF:86.5/55

All: -100.843+/-46.335 χ^2/NDF: 159.1/105

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 592.423+/-0.114 χ^2/NDF: 4517087.3/26

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 595.004+/-0.114 χ^2/NDF: 5638616.8/30

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

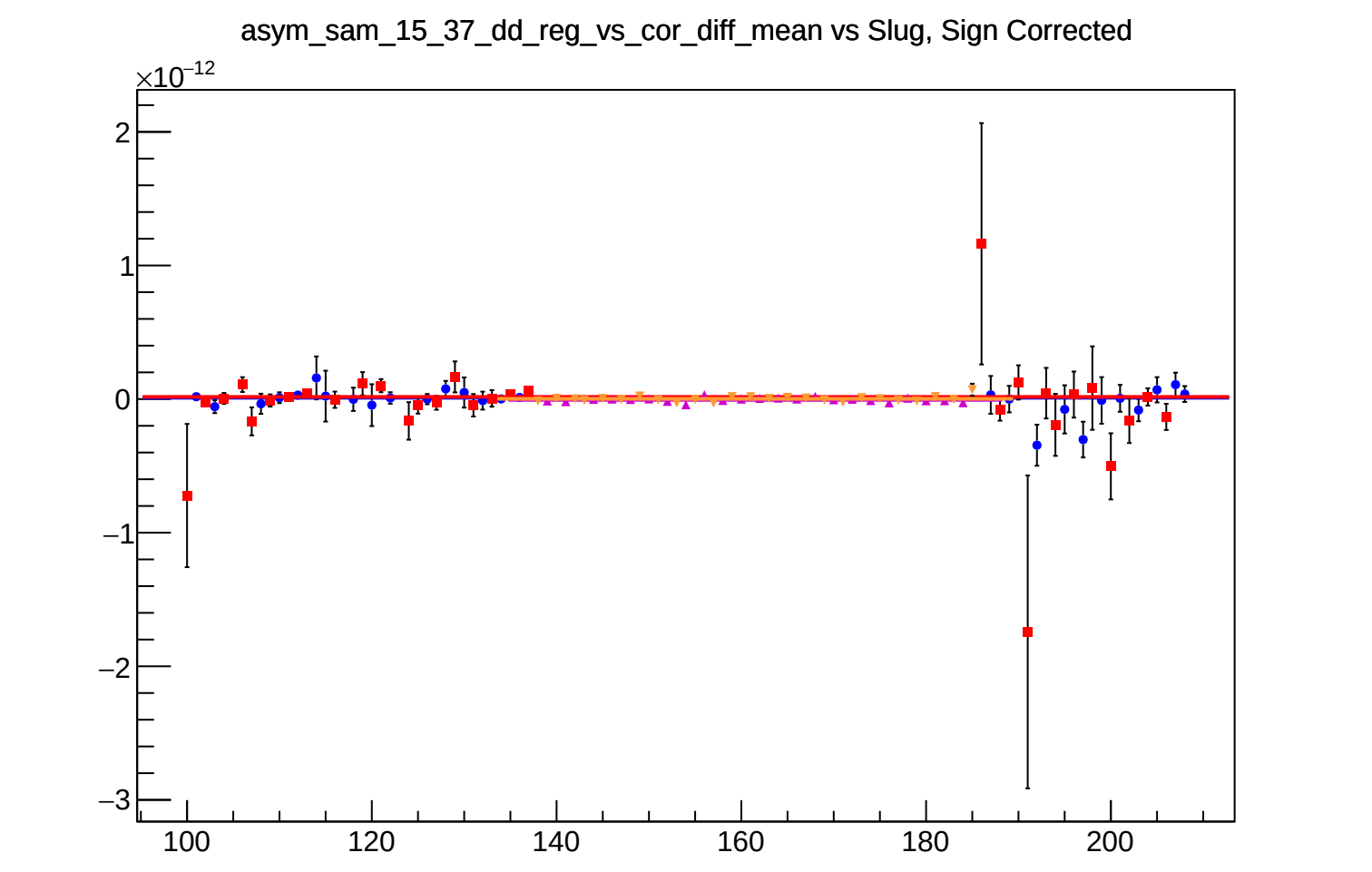
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 593.713+/-0.081 χ^2/NDF: 10155958.9/57

In: 352.361+/-0.047 χ^2/NDF:11189763.8/49

Out: 349.817+/-0.046 χ^2/NDF:12875897.2/55

All: 351.061+/-0.033 χ^2/NDF: 24067167.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/30

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

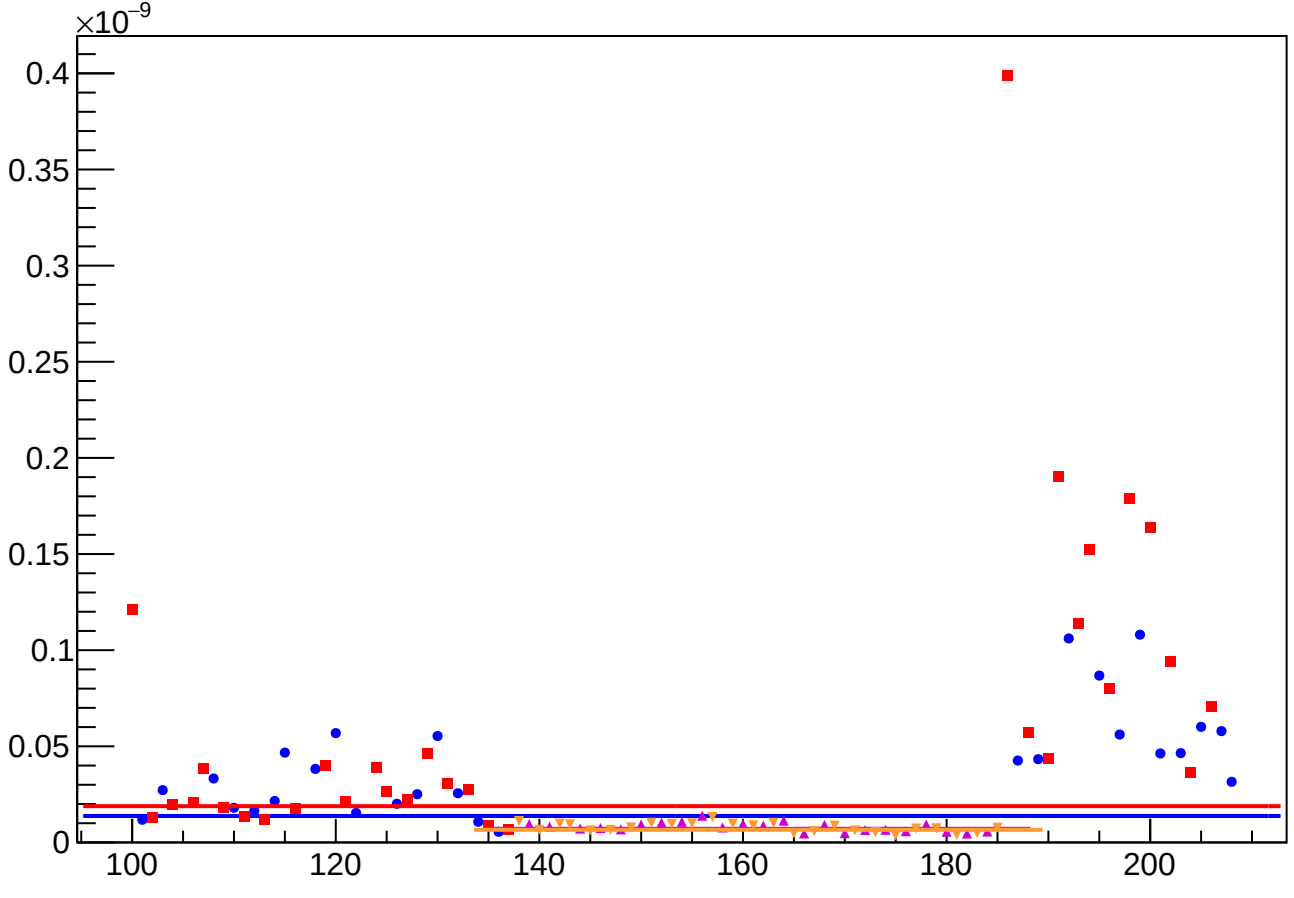
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 58.4/57

In: -0.000+/-0.000 χ^2/NDF:41.6/49

Out: 0.000+/-0.000 χ^2/NDF:63.4/55

All: -0.000+/-0.000 χ^2/NDF: 108.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 6059152.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6014955.6/30

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

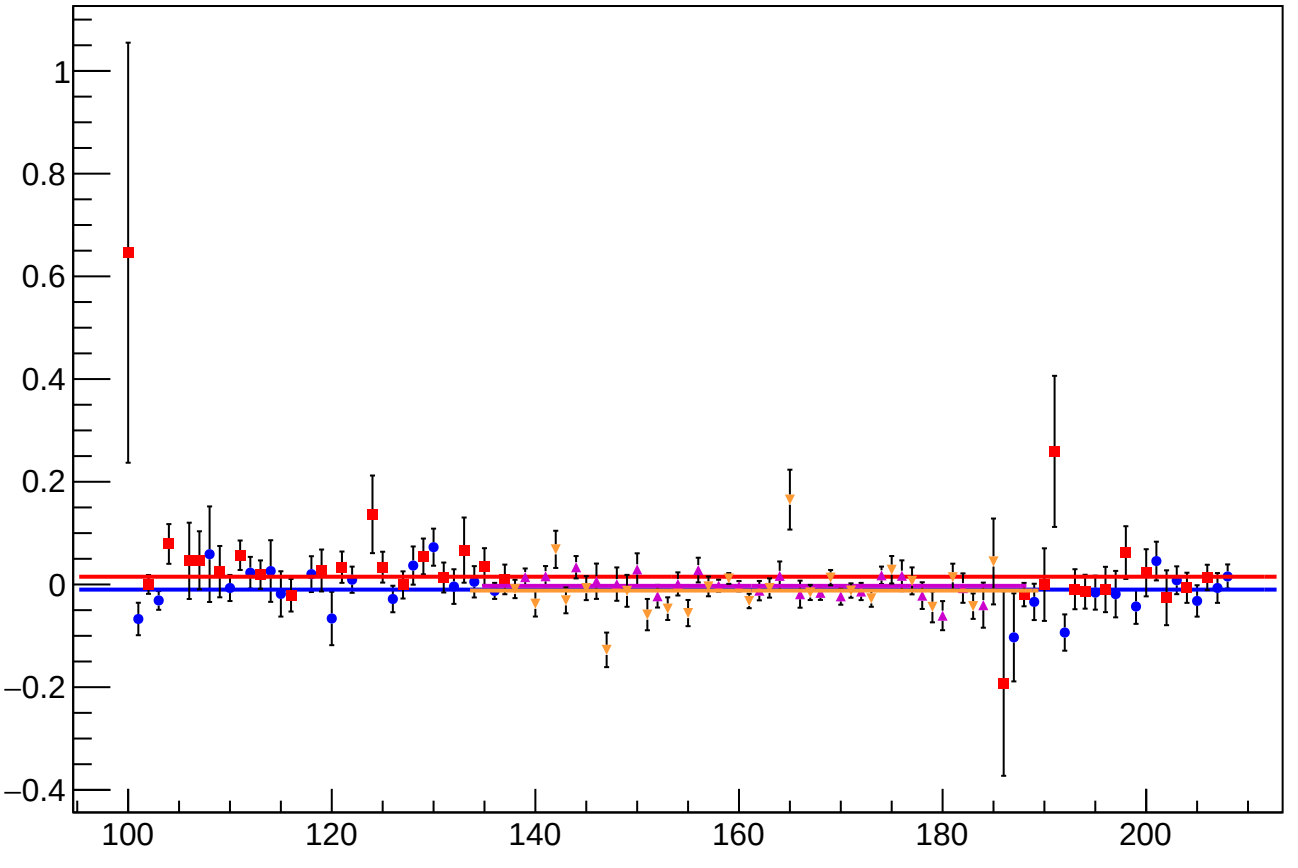
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12405182.4/57

In: 0.000+/-0.000 χ^2/NDF:8349982.2/49

Out: 0.000+/-0.000 χ^2/NDF:10374638.9/55

All: 0.000+/-0.000 χ^2/NDF: 18761992.6/105



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

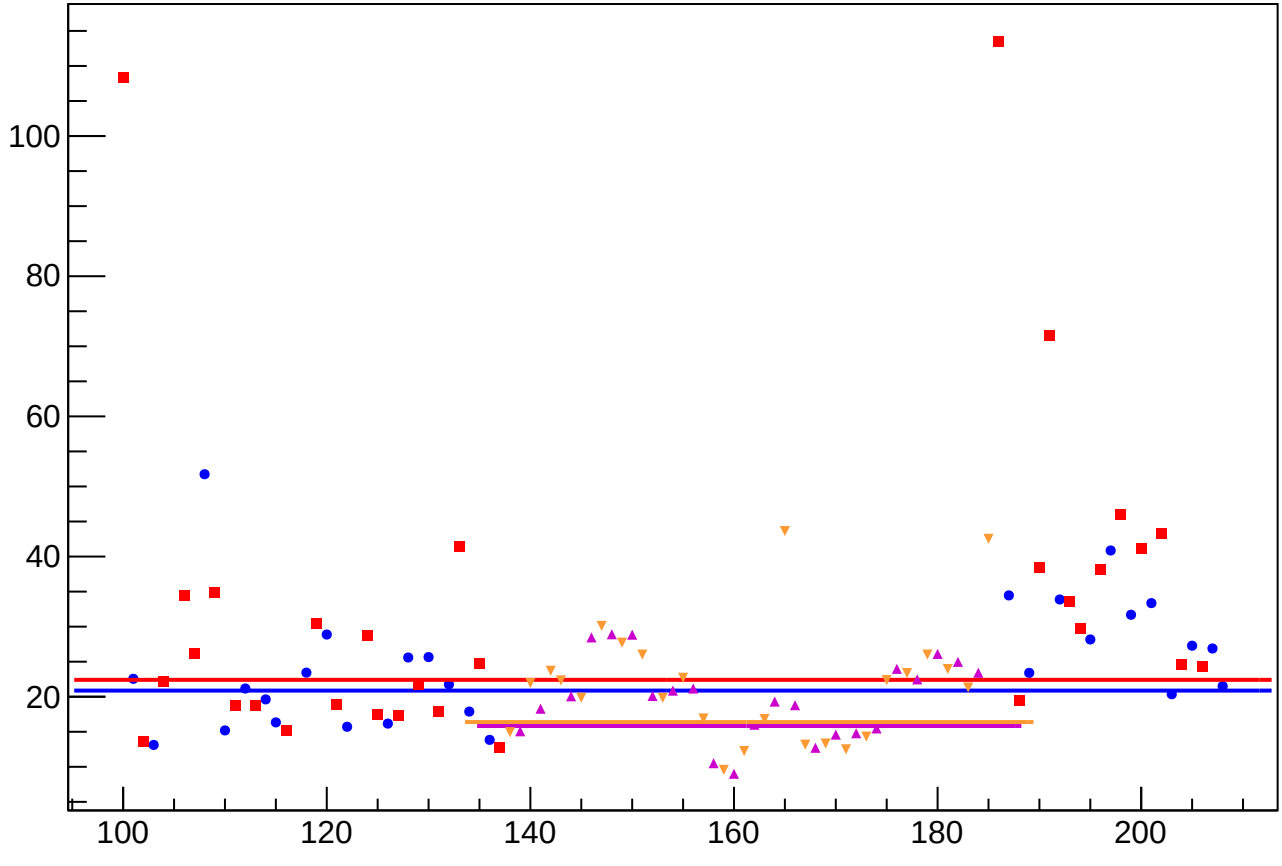
Right: 0.002+/-0.004 χ^2/NDF: 63.7/57

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 142.3/105

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

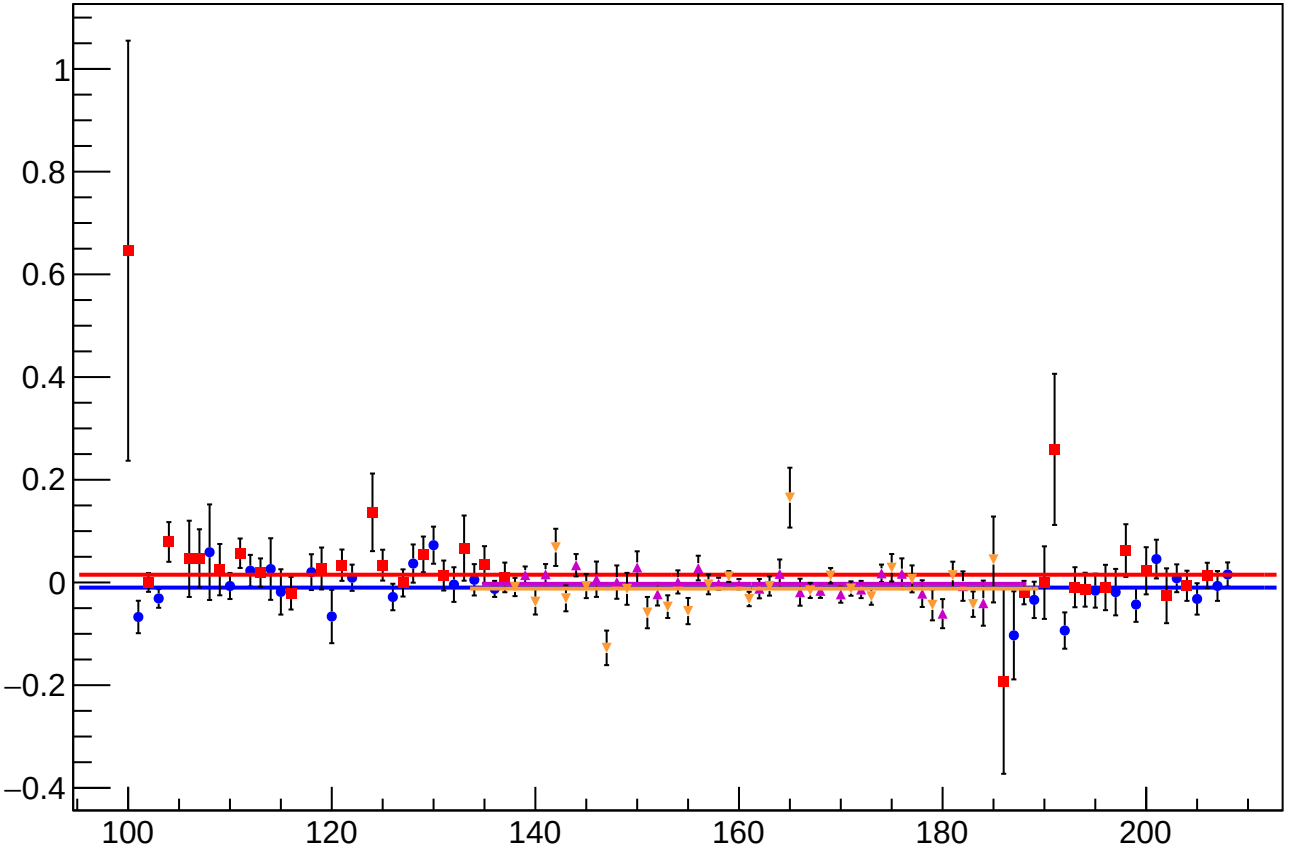
Right: 21.580+/-0.003 χ^2/NDF: 6986614.0/57

In: 17.463+/-0.002 χ^2/NDF:7497331.7/49

Out: 18.147+/-0.002 χ^2/NDF:9407423.0/55

All: 17.795+/-0.002 χ^2/NDF: 16945947.7/105

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

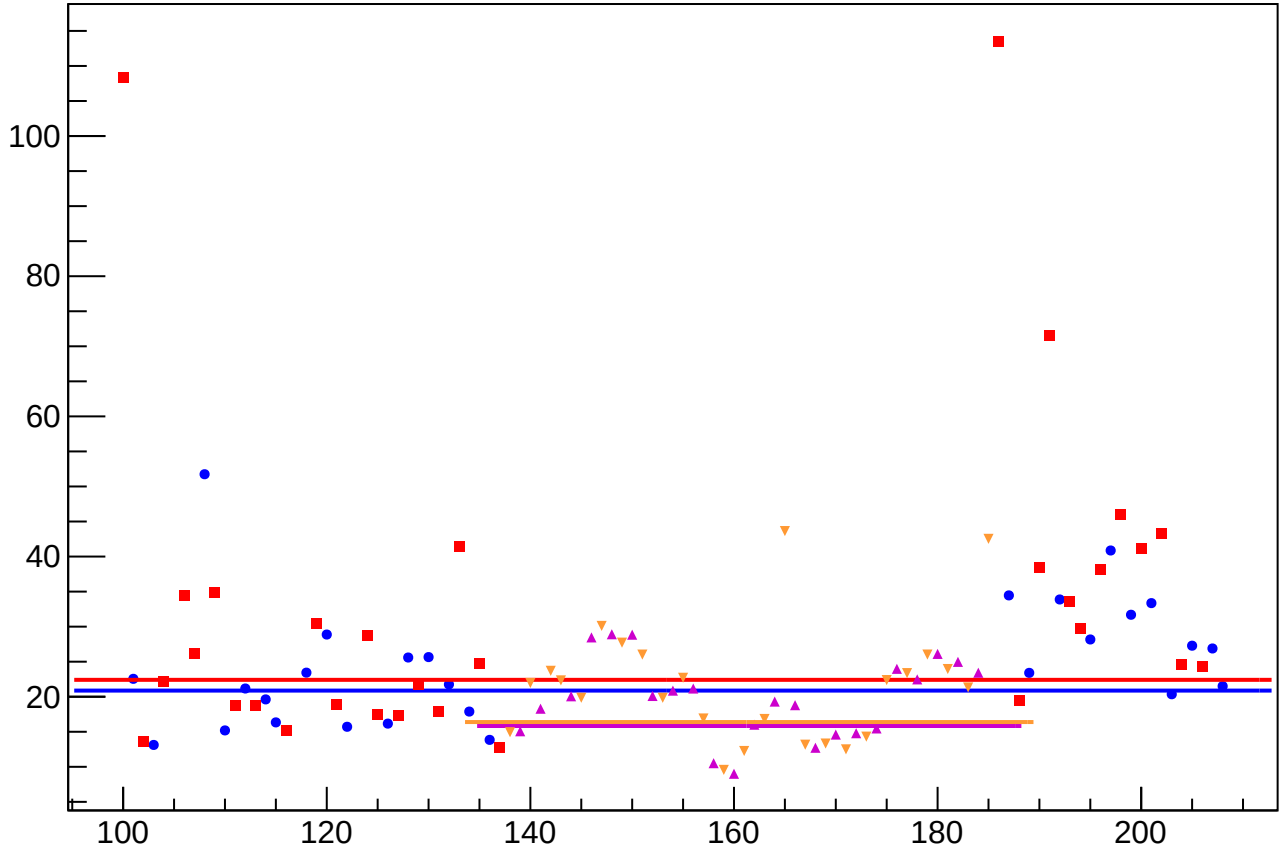
Right: 0.002+/-0.004 χ^2/NDF: 63.7/57

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 142.3/105

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

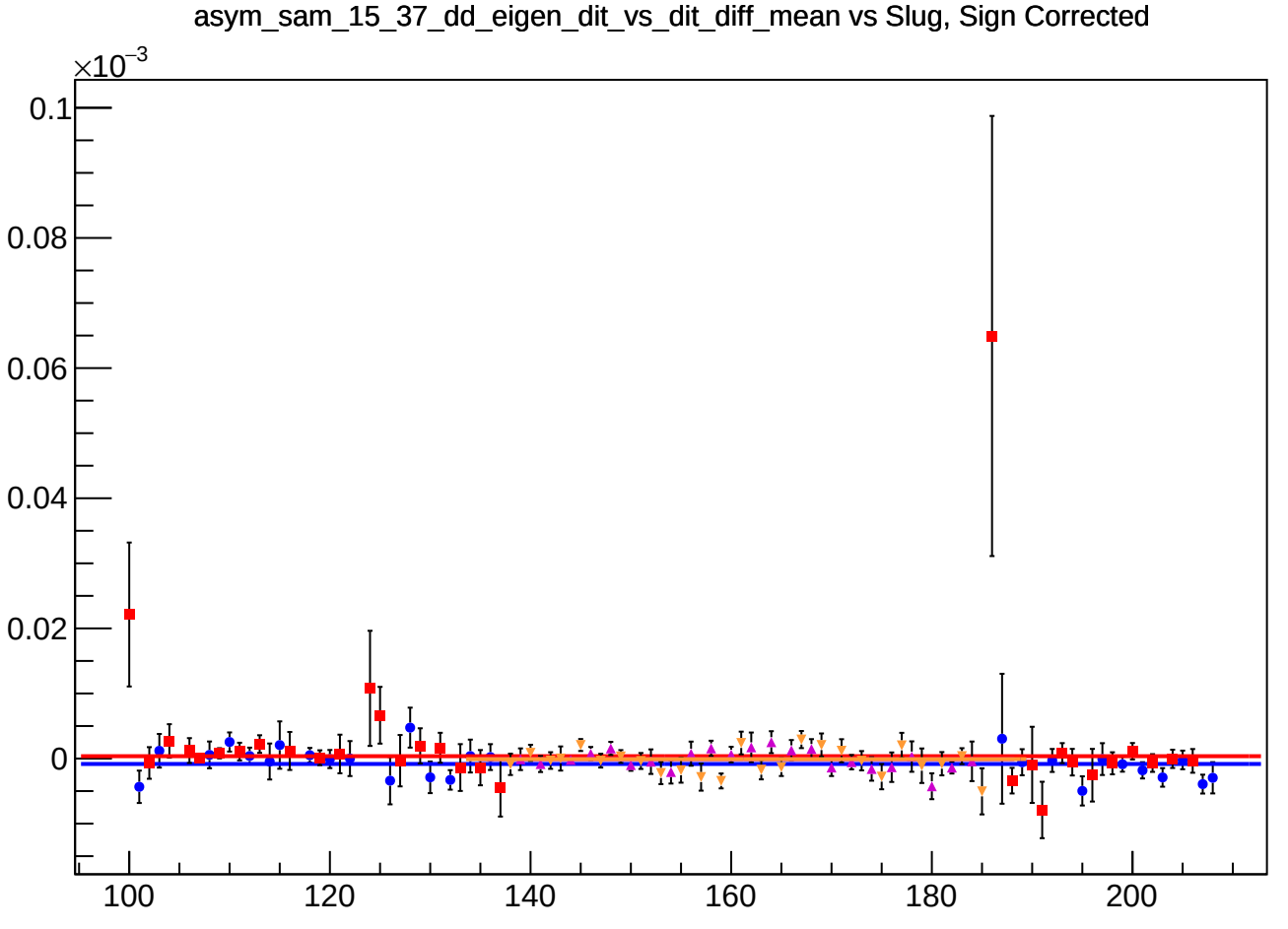
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.580+/-0.003 χ^2/NDF: 6986614.0/57

In: 17.463+/-0.002 χ^2/NDF:7497331.7/49

Out: 18.147+/-0.002 χ^2/NDF:9407423.0/55

All: 17.795+/-0.002 χ^2/NDF: 16945947.7/105



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

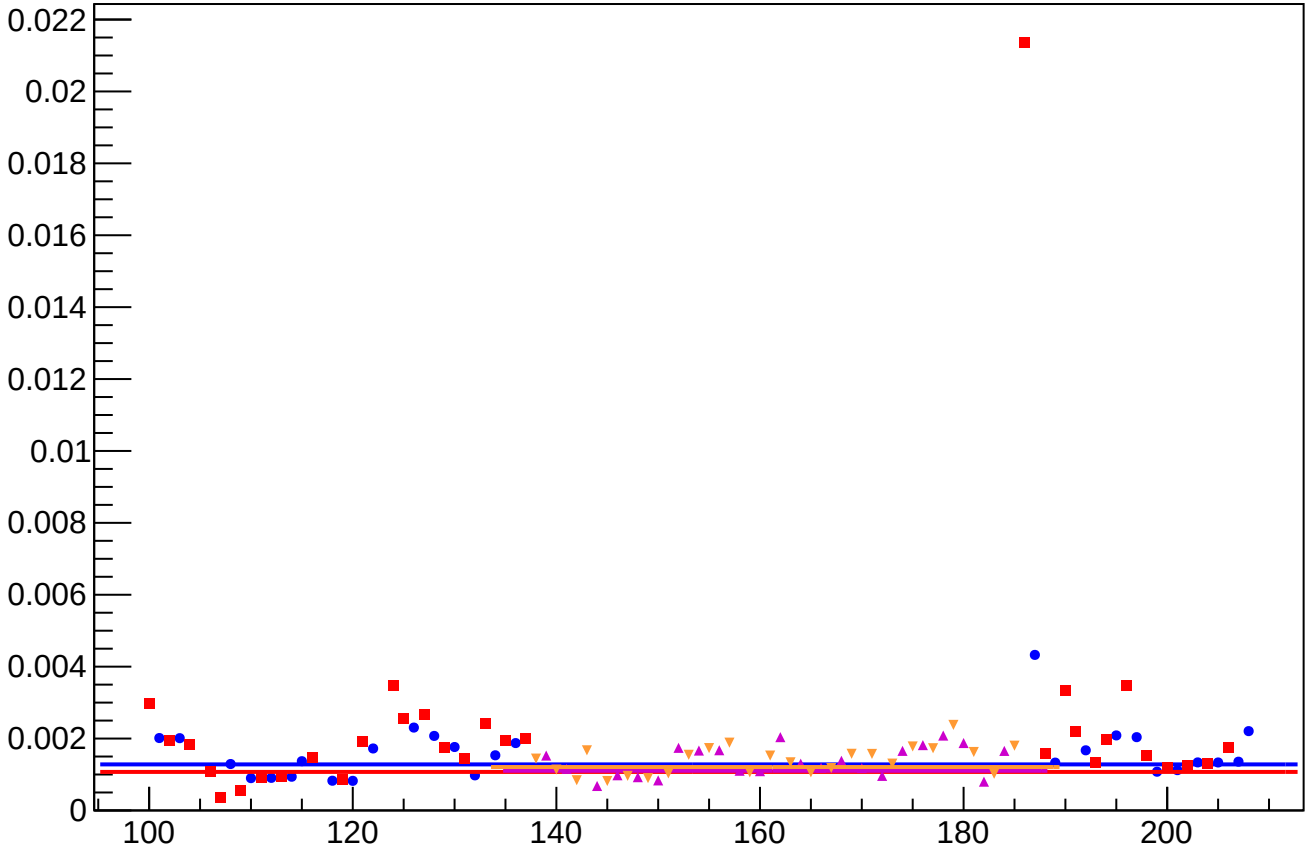
Right: -0.000+/-0.000 χ^2/NDF: 65.3/57

In: -0.000+/-0.000 χ^2/NDF:56.1/49

Out: 0.000+/-0.000 χ^2/NDF:64.5/55

All: -0.000+/-0.000 χ^2/NDF: 123.4/105

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3058076.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7965371.2/30

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

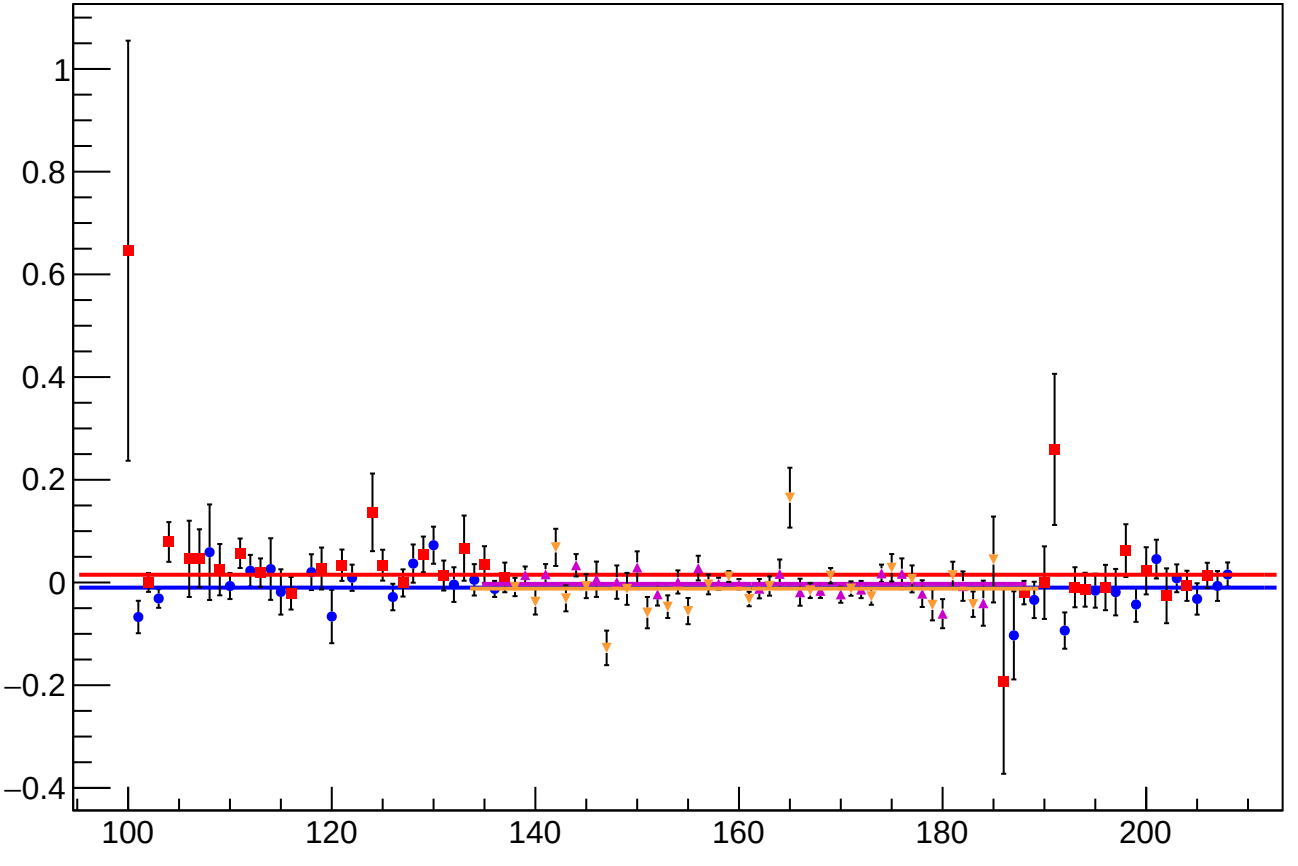
Right: 0.001+/-0.000 χ^2/NDF: 11429304.2/57

In: 0.001+/-0.000 χ^2/NDF:6878108.7/49

Out: 0.001+/-0.000 χ^2/NDF:10890936.8/55

All: 0.001+/-0.000 χ^2/NDF: 17785559.9/105

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

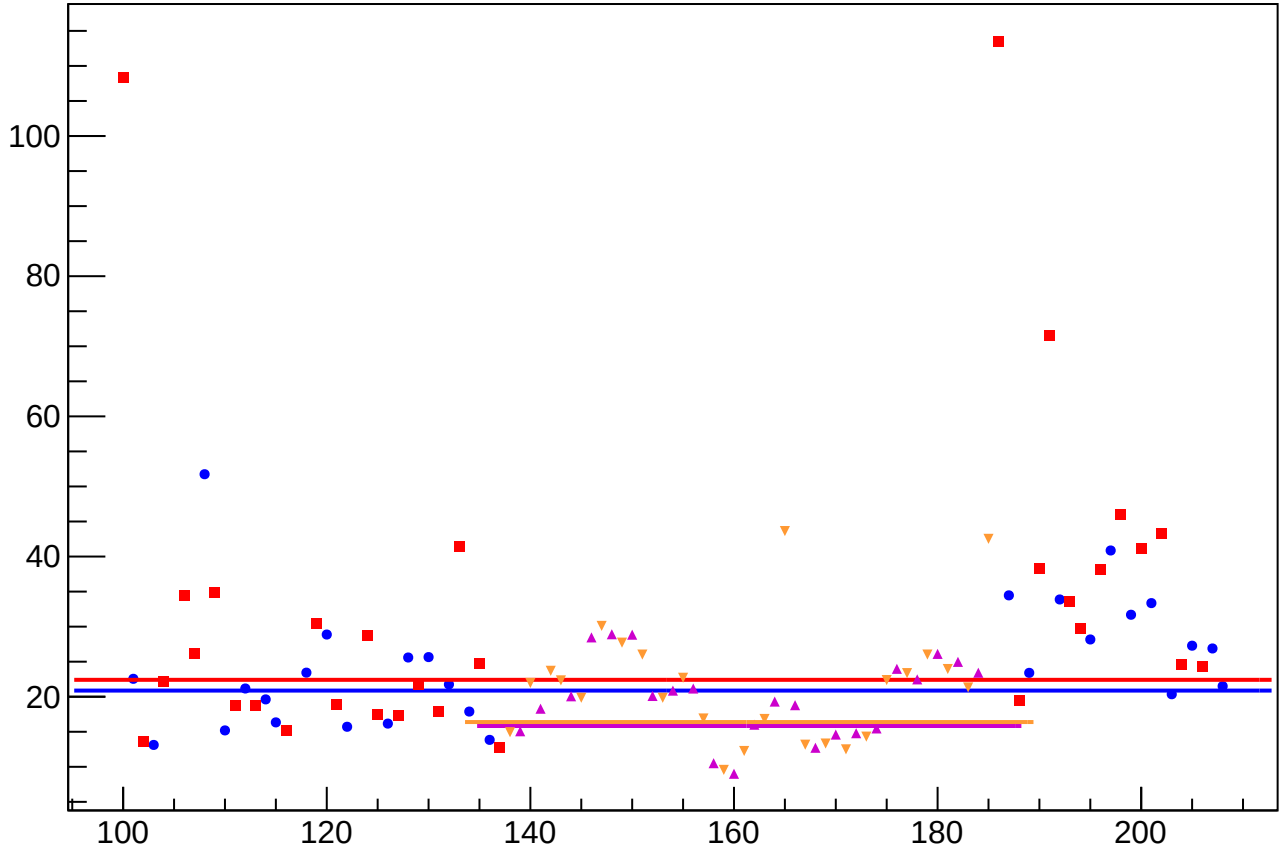
Right: 0.002+/-0.004 χ^2/NDF: 63.7/57

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 142.3/105

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

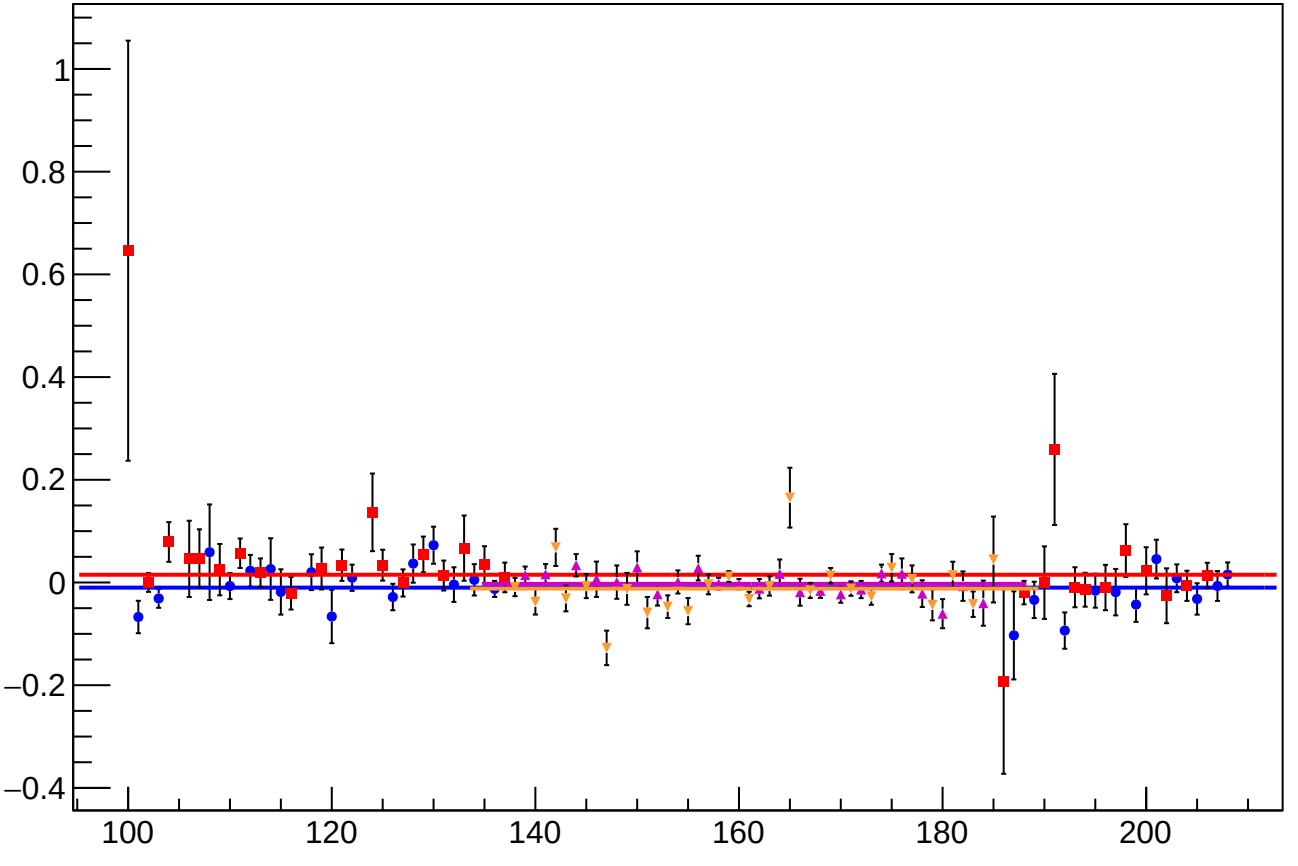
Right: 21.581+/-0.003 χ^2/NDF: 6986395.2/57

In: 17.463+/-0.002 χ^2/NDF:7497836.5/49

Out: 18.147+/-0.002 χ^2/NDF:9407683.1/55

All: 17.795+/-0.002 χ^2/NDF: 16946728.9/105

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

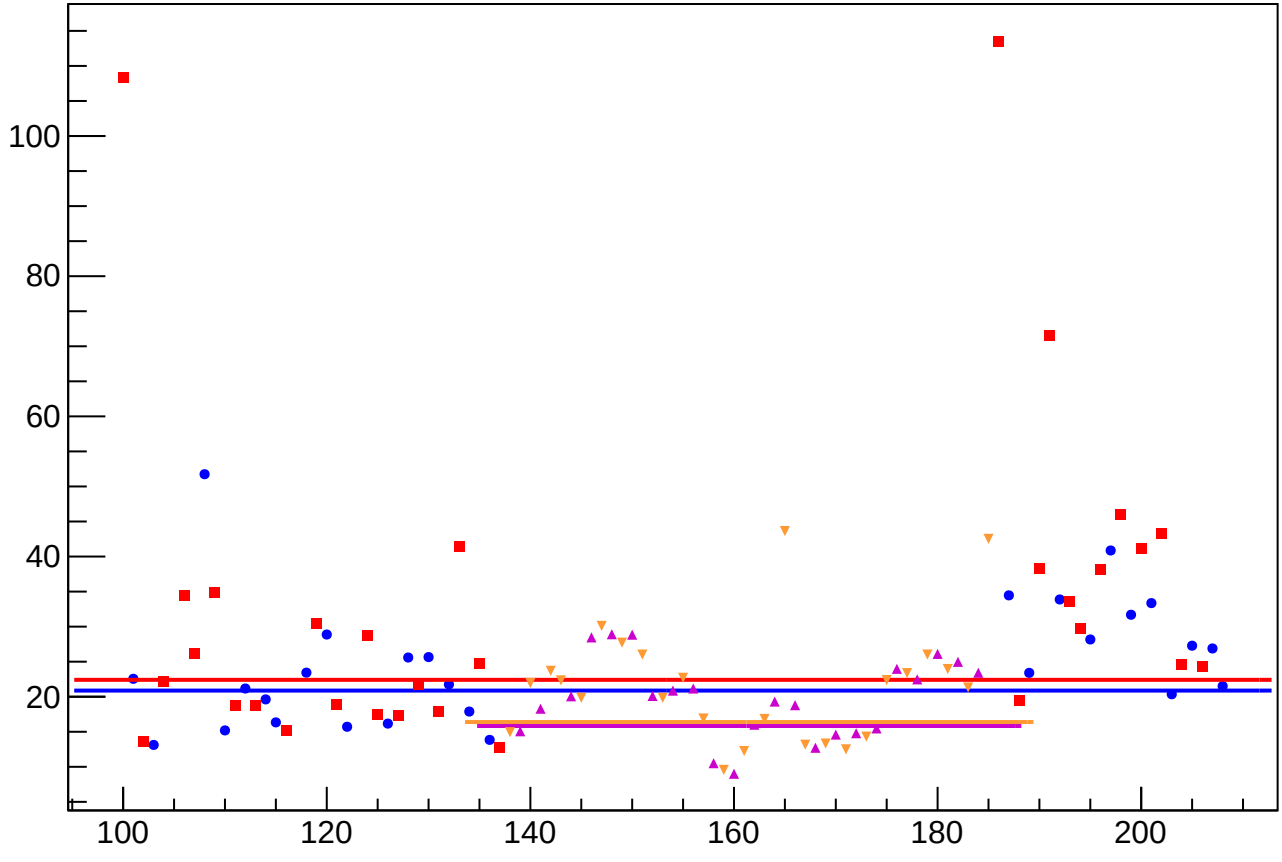
Right: 0.002+/-0.004 χ^2/NDF: 63.7/57

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 142.3/105

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

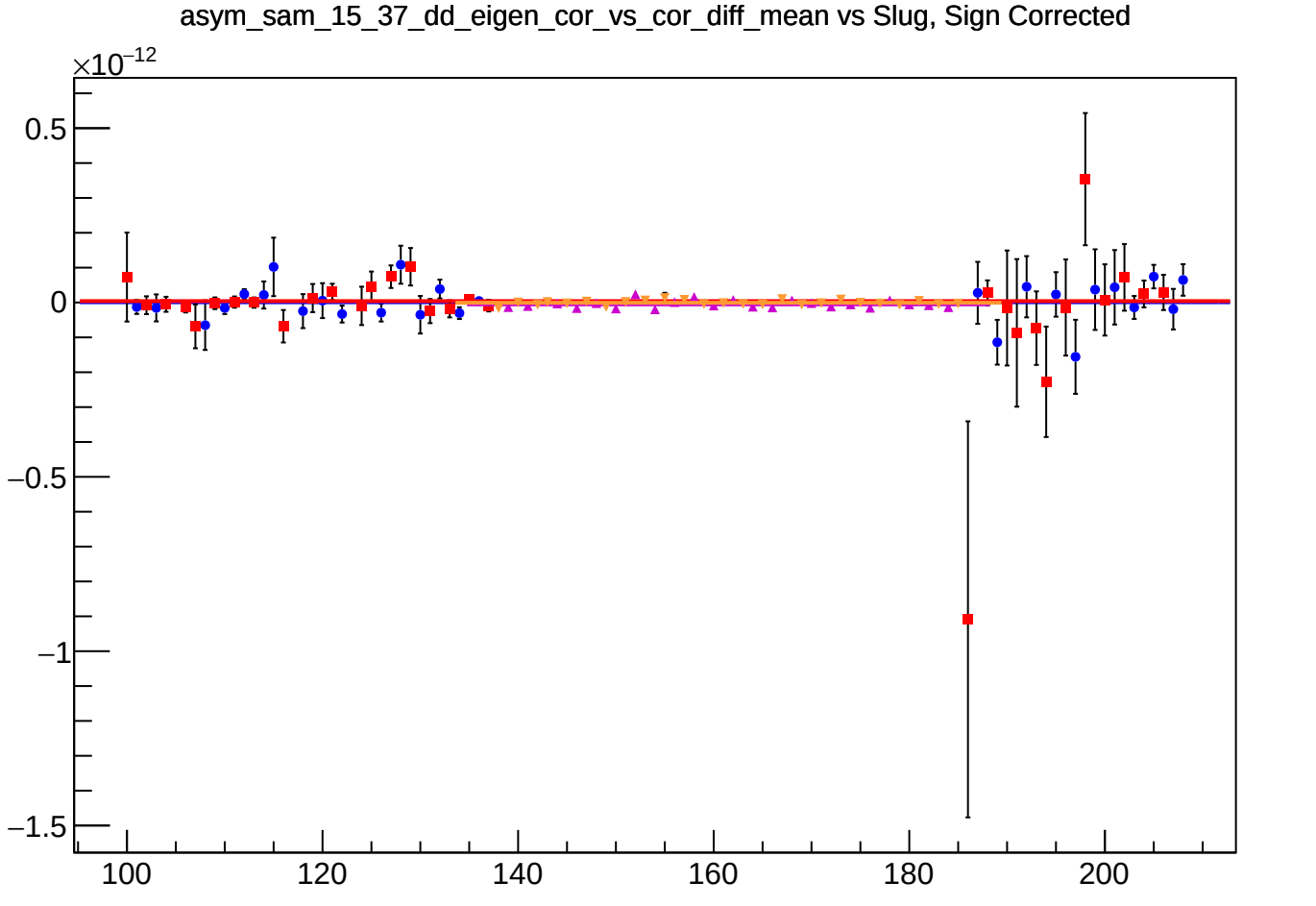
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.581+/-0.003 χ^2/NDF: 6986395.2/57

In: 17.463+/-0.002 χ^2/NDF:7497836.5/49

Out: 18.147+/-0.002 χ^2/NDF:9407683.1/55

All: 17.795+/-0.002 χ^2/NDF: 16946728.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/30

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

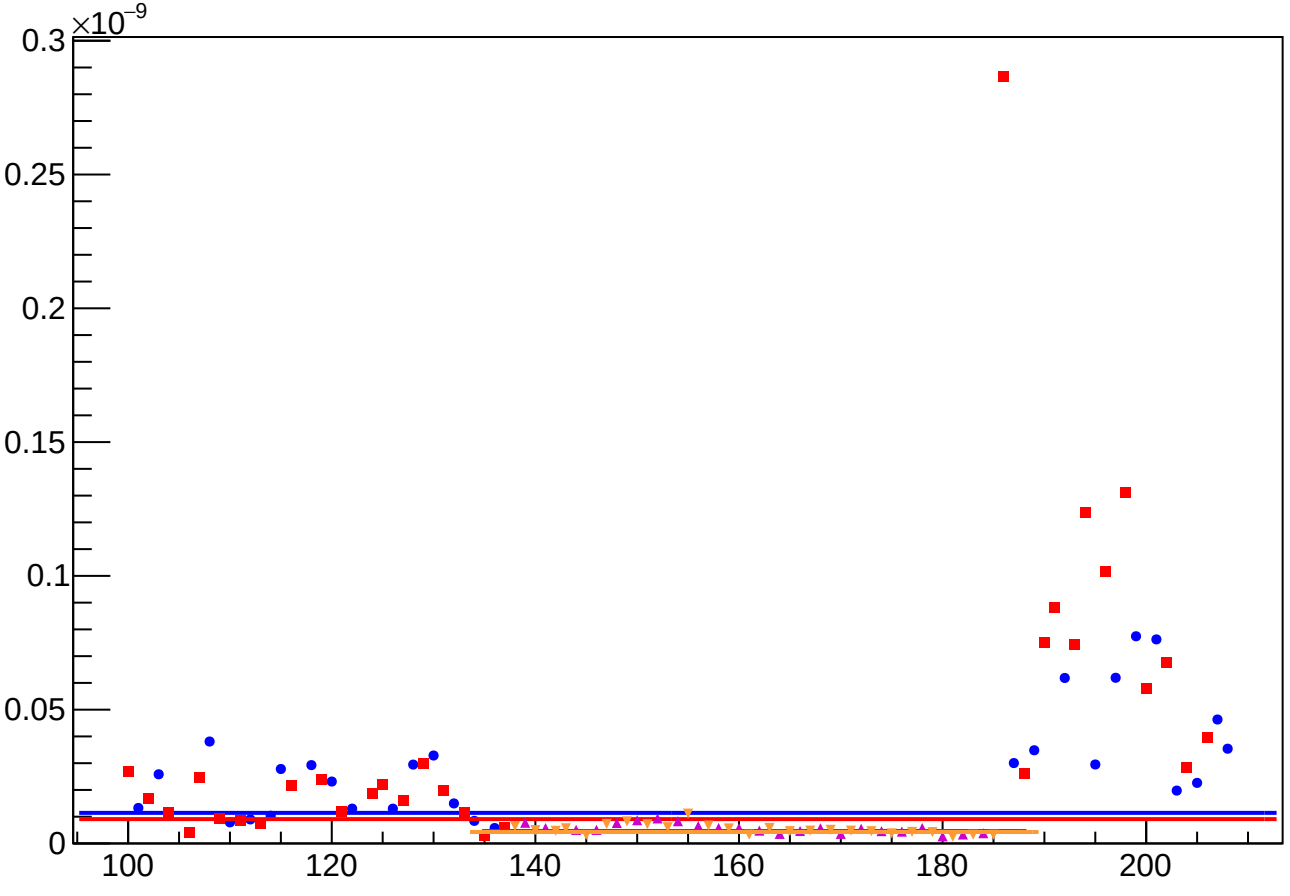
Right: 0.000+/-0.000 χ^2/NDF: 63.3/57

In: -0.000+/-0.000 χ^2/NDF:72.9/49

Out: -0.000+/-0.000 χ^2/NDF:49.8/55

All: -0.000+/-0.000 χ^2/NDF: 128.8/105

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7555727.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10816872.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

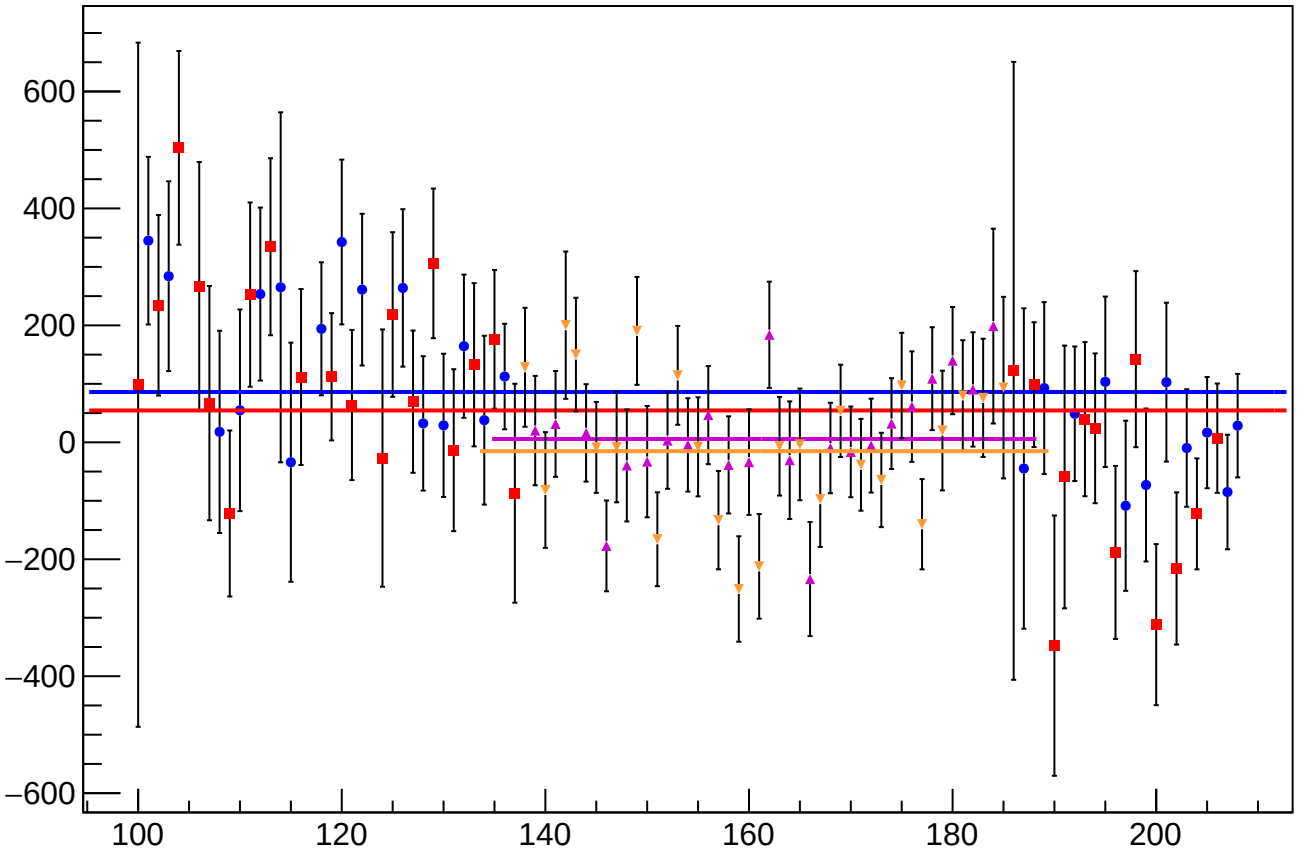
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 18628818.8/57

In: 0.000+/-0.000 χ^2/NDF:13677632.2/49

Out: 0.000+/-0.000 χ^2/NDF:15623589.0/55

All: 0.000+/-0.000 χ^2/NDF: 29461604.6/105



Right In: 86.061+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 54.508+/-25.555 χ^2/NDF: 46.2/30

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

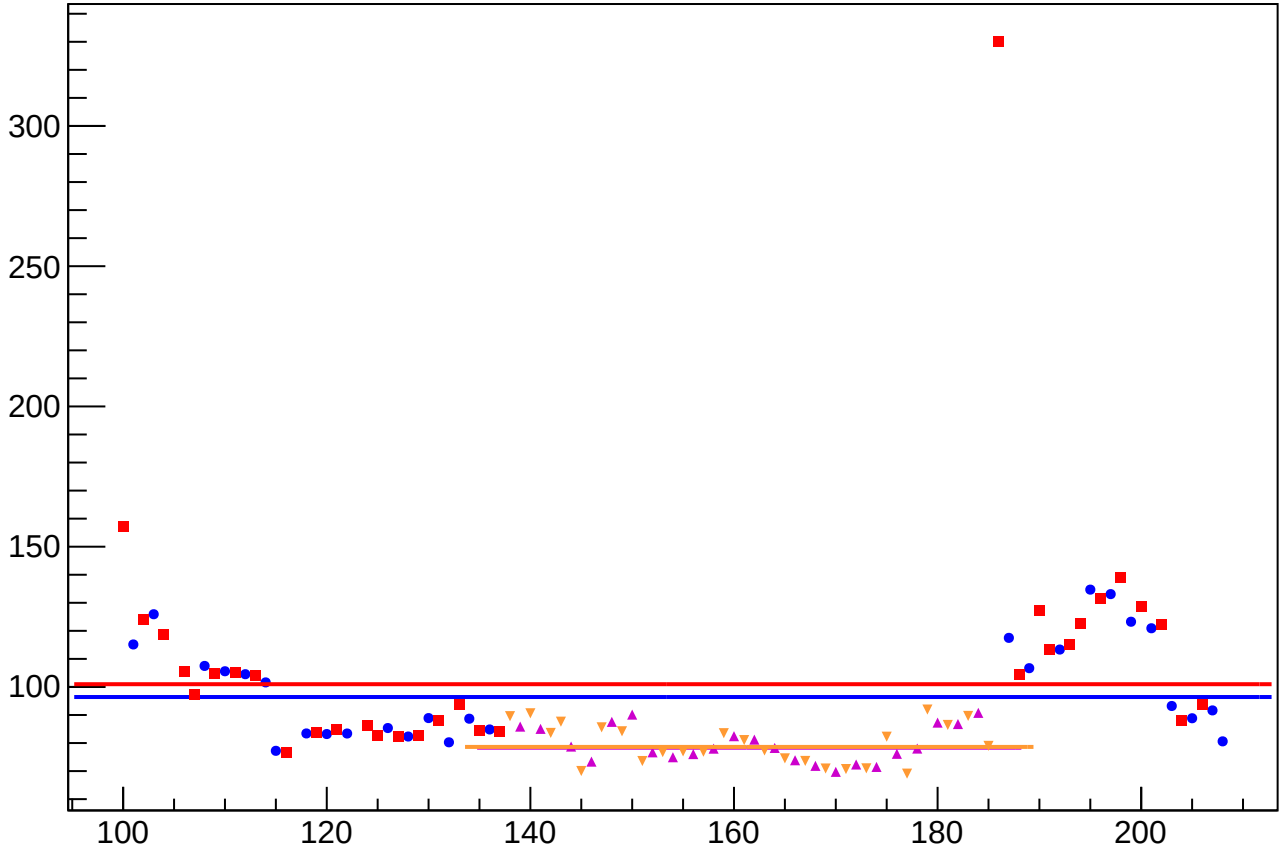
Right: 70.826+/-17.758 χ^2/NDF: 71.3/57

In: 34.308+/-14.745 χ^2/NDF:54.1/49

Out: 7.909+/-14.692 χ^2/NDF:92.8/55

All: 21.061+/-10.408 χ^2/NDF: 148.5/105

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 96.406+/-0.017 χ^2/NDF: 889302.1/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.978+/-0.018 χ^2/NDF: 1323576.7/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

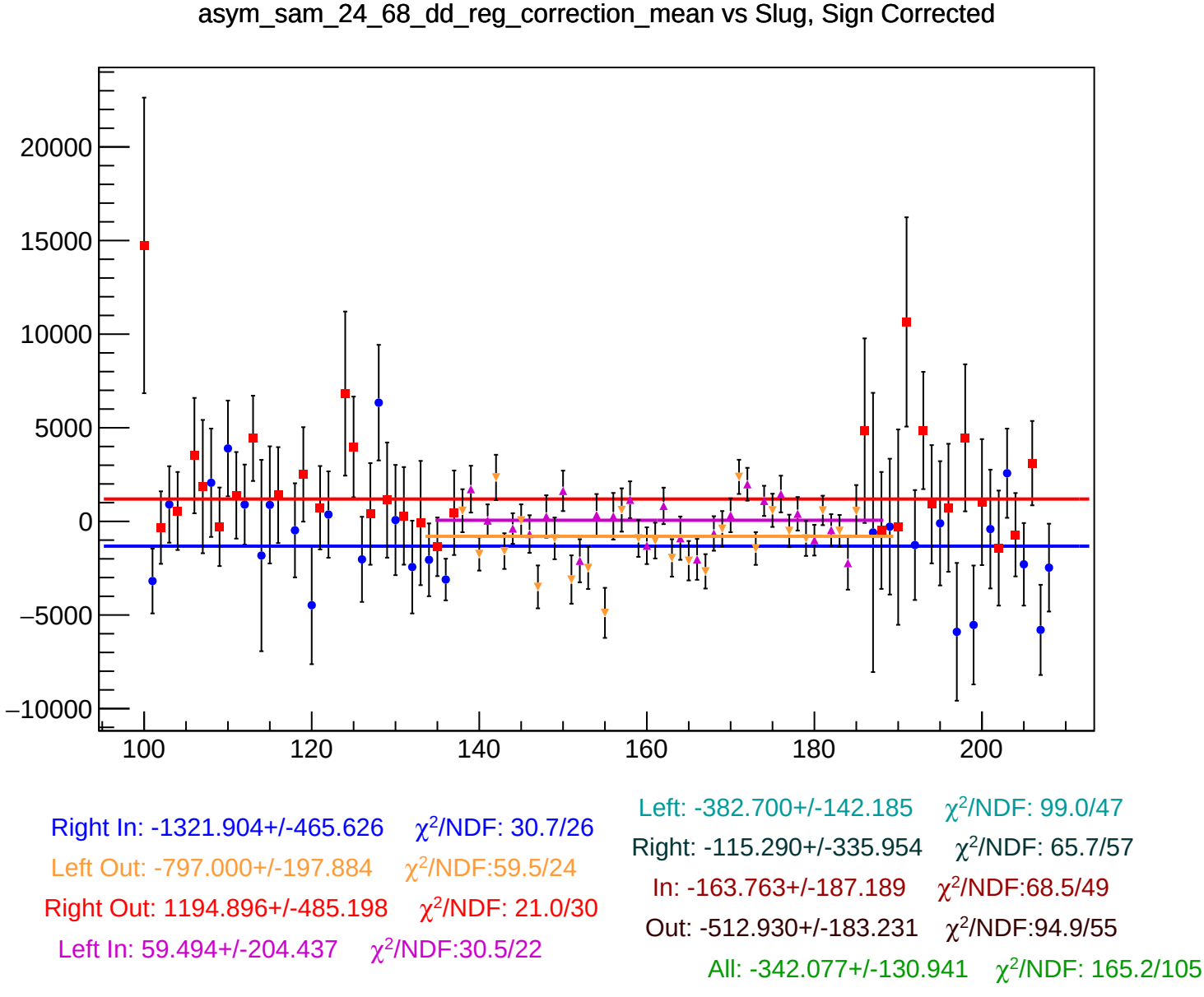
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

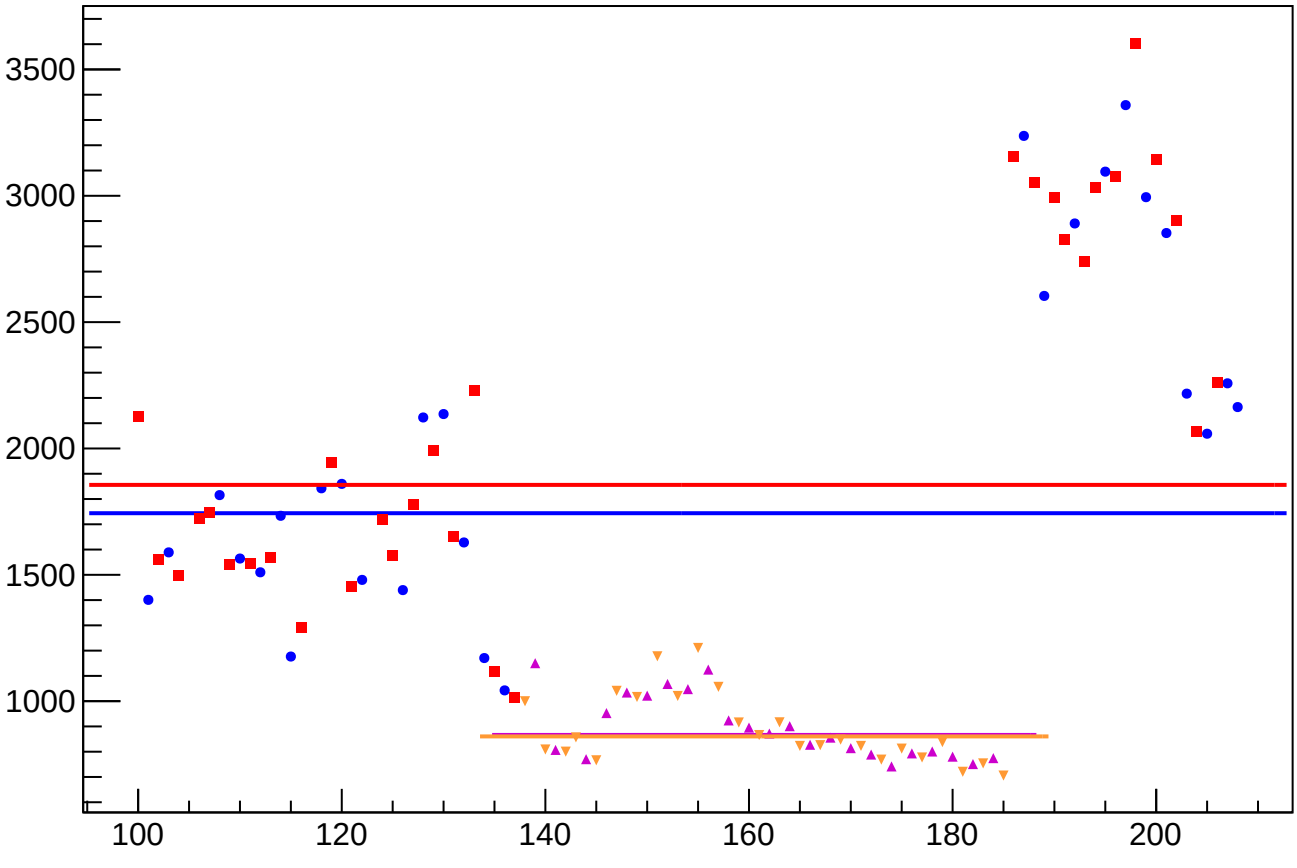
Right: 98.614+/-0.013 χ^2/NDF: 2245974.4/57

In: 84.778+/-0.010 χ^2/NDF:1787742.8/49

Out: 86.009+/-0.010 χ^2/NDF:2655801.3/55

All: 85.396+/-0.007 χ^2/NDF: 4450538.6/105


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1321.904+/-465.626 χ²/NDF: 30.7/26
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1194.896+/-485.198 χ²/NDF: 21.0/30
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -115.290+/-335.954 χ²/NDF: 65.7/57
In: -163.763+/-187.189 χ²/NDF:68.5/49
Out: -512.930+/-183.231 χ²/NDF:94.9/55
All: -342.077+/-130.941 χ²/NDF: 165.2/105



Right In: 1743.838+/-0.329 χ^2/NDF: 3342971.2/26

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1855.889+/-0.343 χ^2/NDF: 3466595.6/30

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

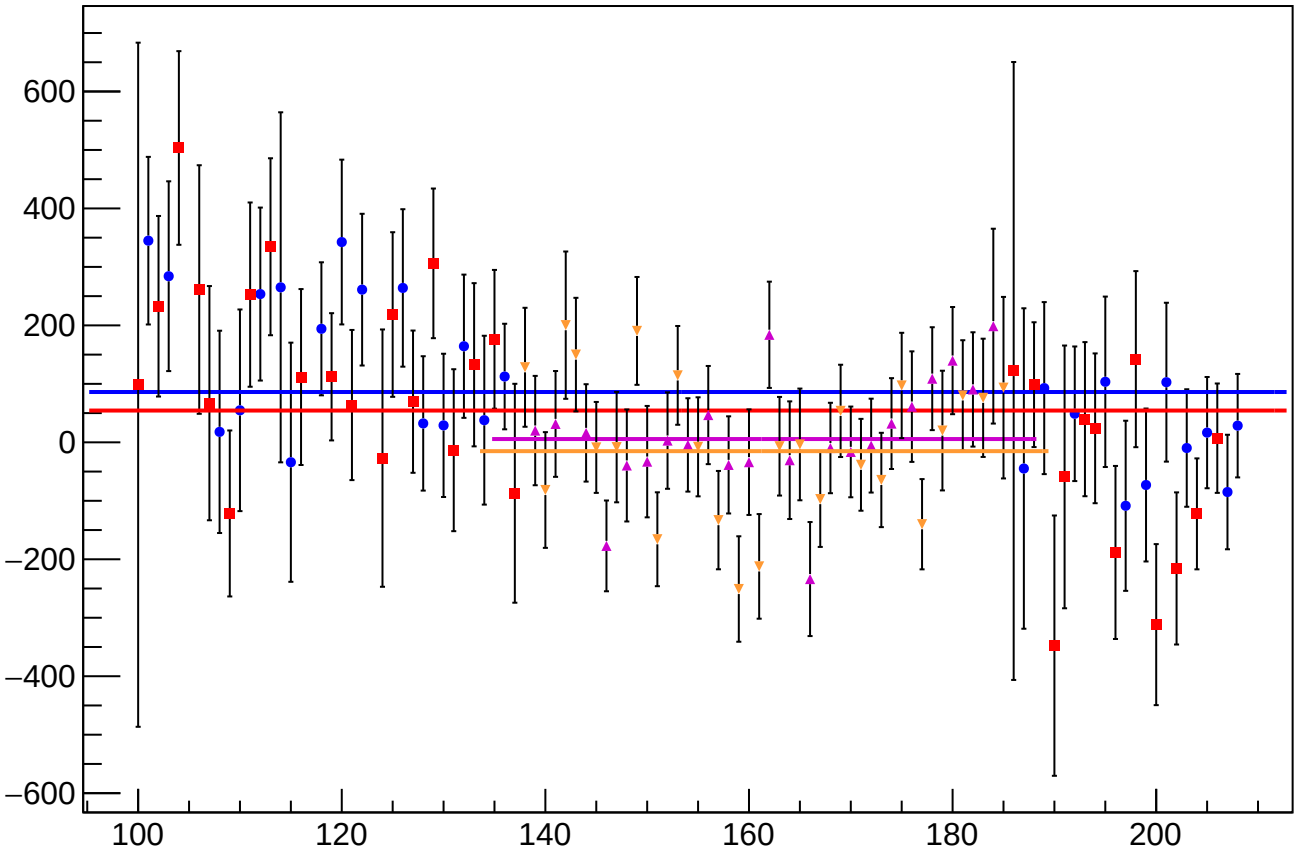
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1797.558+/-0.238 χ^2/NDF: 6865094.8/57

In: 1008.168+/-0.132 χ^2/NDF:9911188.6/49

Out: 1002.449+/-0.130 χ^2/NDF:11382916.7/55

All: 1005.247+/-0.093 χ^2/NDF: 21295058.8/1



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 54.362+/-25.556 χ^2/NDF: 46.1/30

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

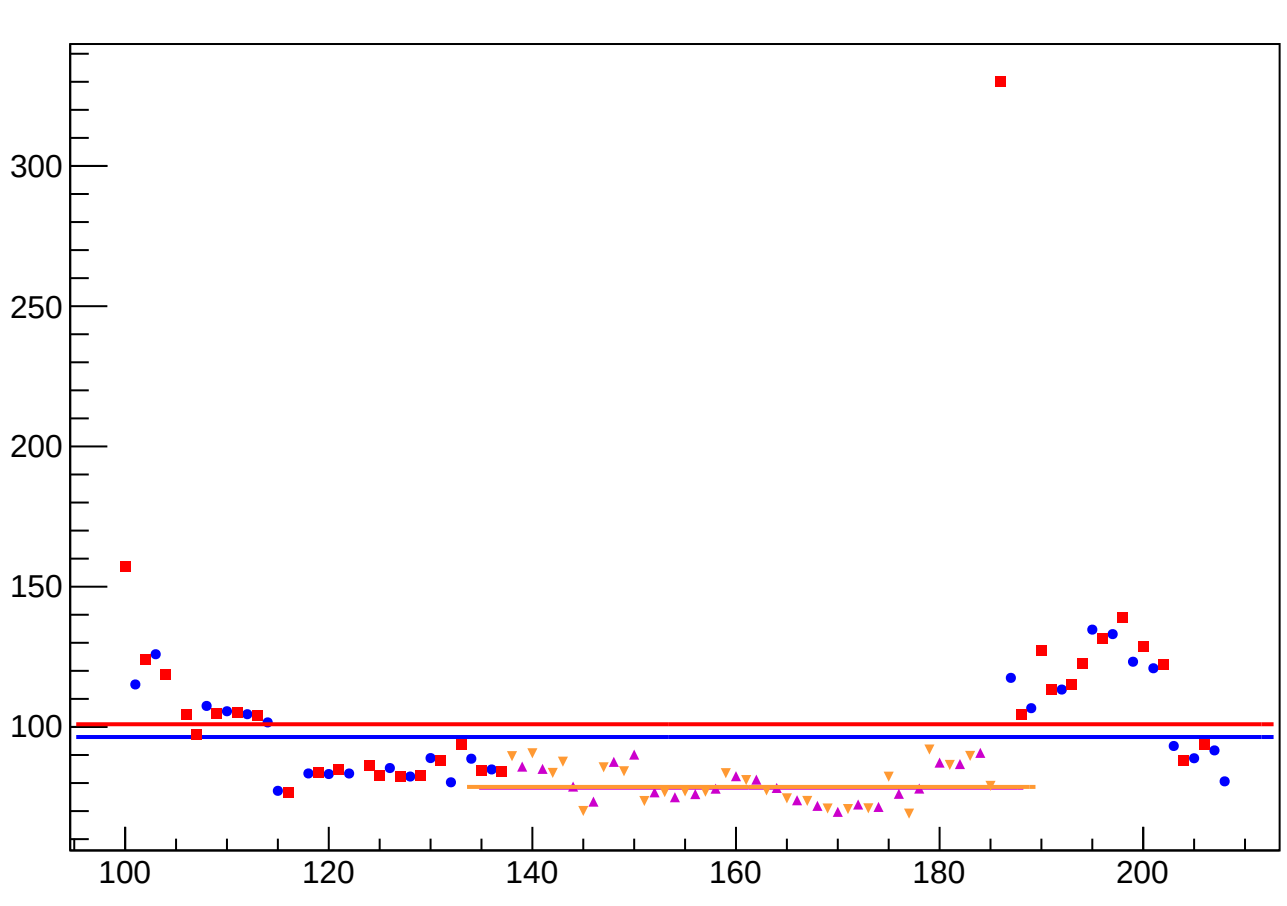
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 70.752+/-17.758 χ^2/NDF: 71.2/57

In: 34.303+/-14.745 χ^2/NDF:54.1/49

Out: 7.861+/-14.693 χ^2/NDF:92.7/55

All: 21.035+/-10.408 χ^2/NDF: 148.4/105



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

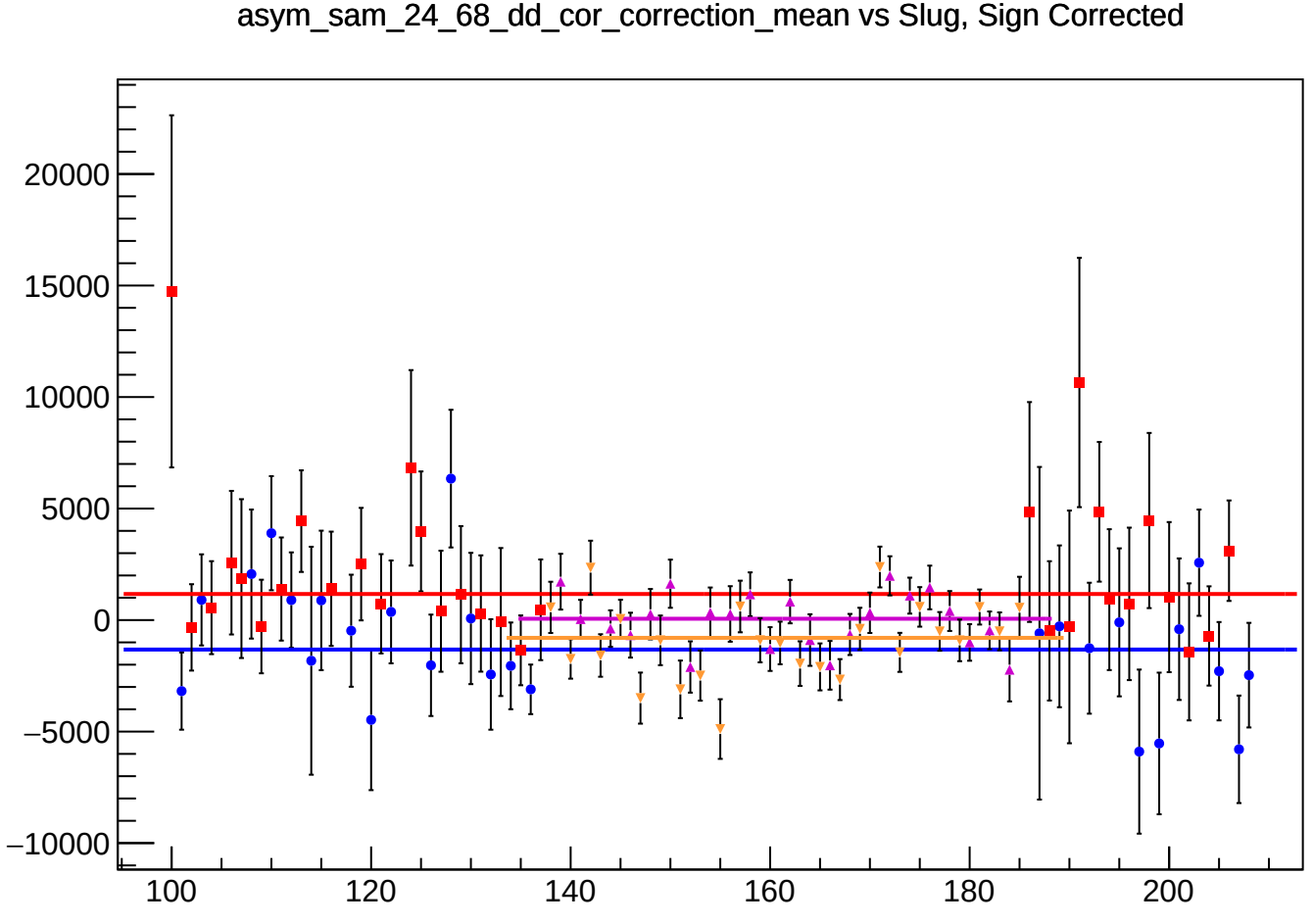
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 98.605+/-0.013 χ^2/NDF: 2245435.3/57

In: 84.778+/-0.010 χ^2/NDF:1787744.8/49

Out: 86.003+/-0.010 χ^2/NDF:2653837.2/55

All: 85.393+/-0.007 χ^2/NDF: 4448505.7/105


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
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10000
5000
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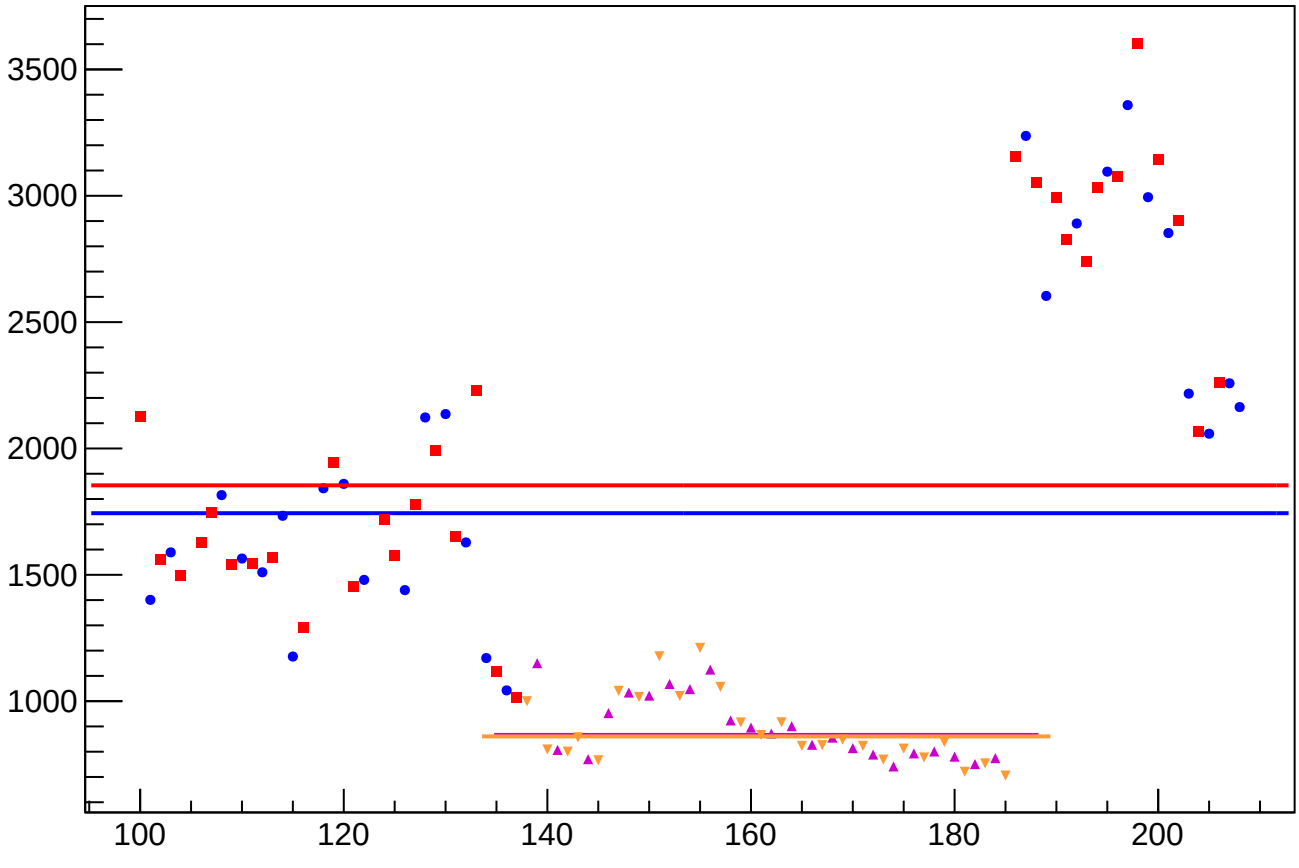
−5000
−10000
100
120
140
160
180
200
Right In: -1321.890+/-465.627 χ²/NDF: 30.7/26
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1168.950+/-485.718 χ²/NDF: 20.6/30
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -129.050+/-336.126 χ²/NDF: 65.0/57
In: -163.760+/-187.189 χ²/NDF:68.5/49
Out: -517.144+/-183.259 χ²/NDF:94.1/55
All: -344.201+/-130.951 χ²/NDF: 164.5/105



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

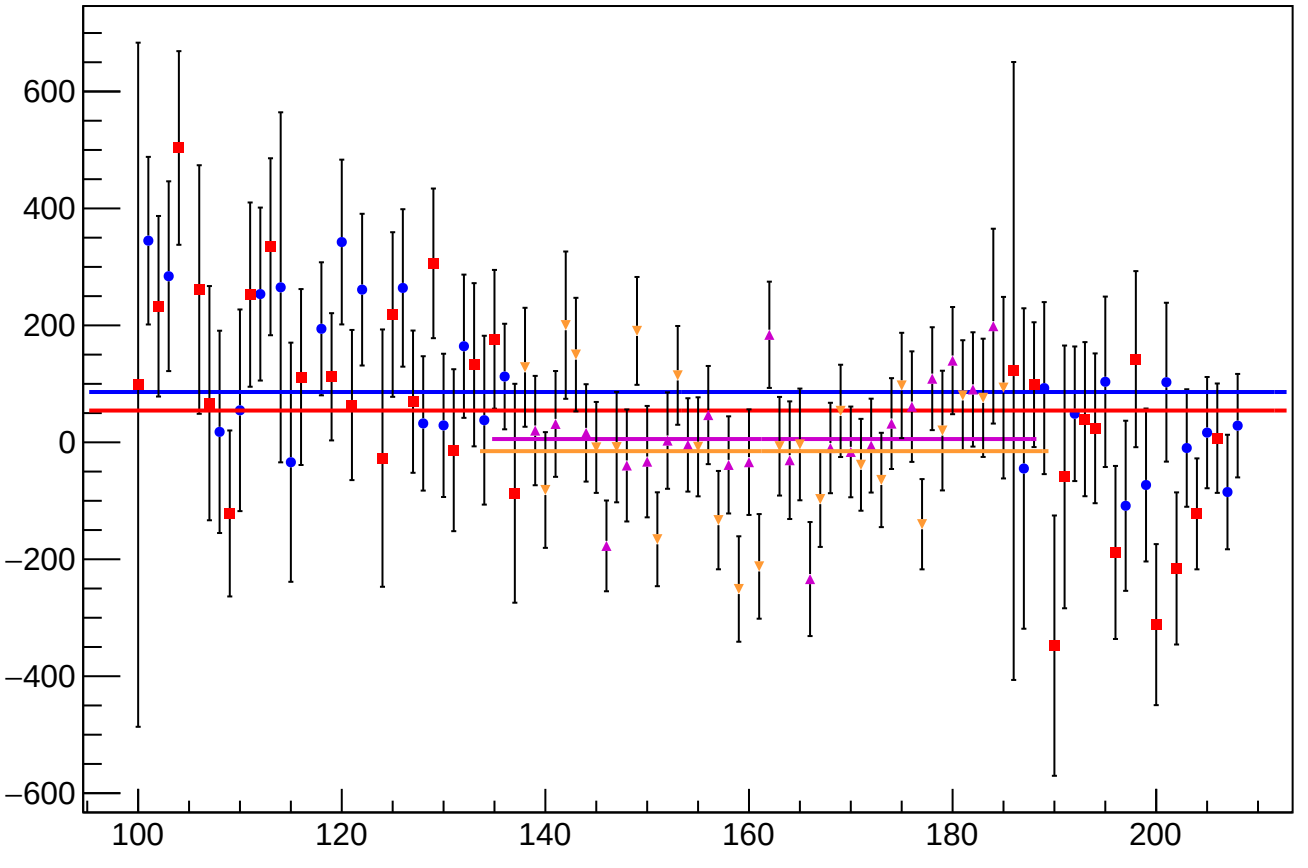
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1796.636+/-0.238 χ^2/NDF: 6869209.7/57

In: 1008.168+/-0.132 χ^2/NDF:9911203.4/49

Out: 1001.931+/-0.130 χ^2/NDF:11349545.0/55

All: 1004.984+/-0.093 χ^2/NDF: 21261882.1/1



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 54.362+/-25.556 χ^2/NDF: 46.1/30

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

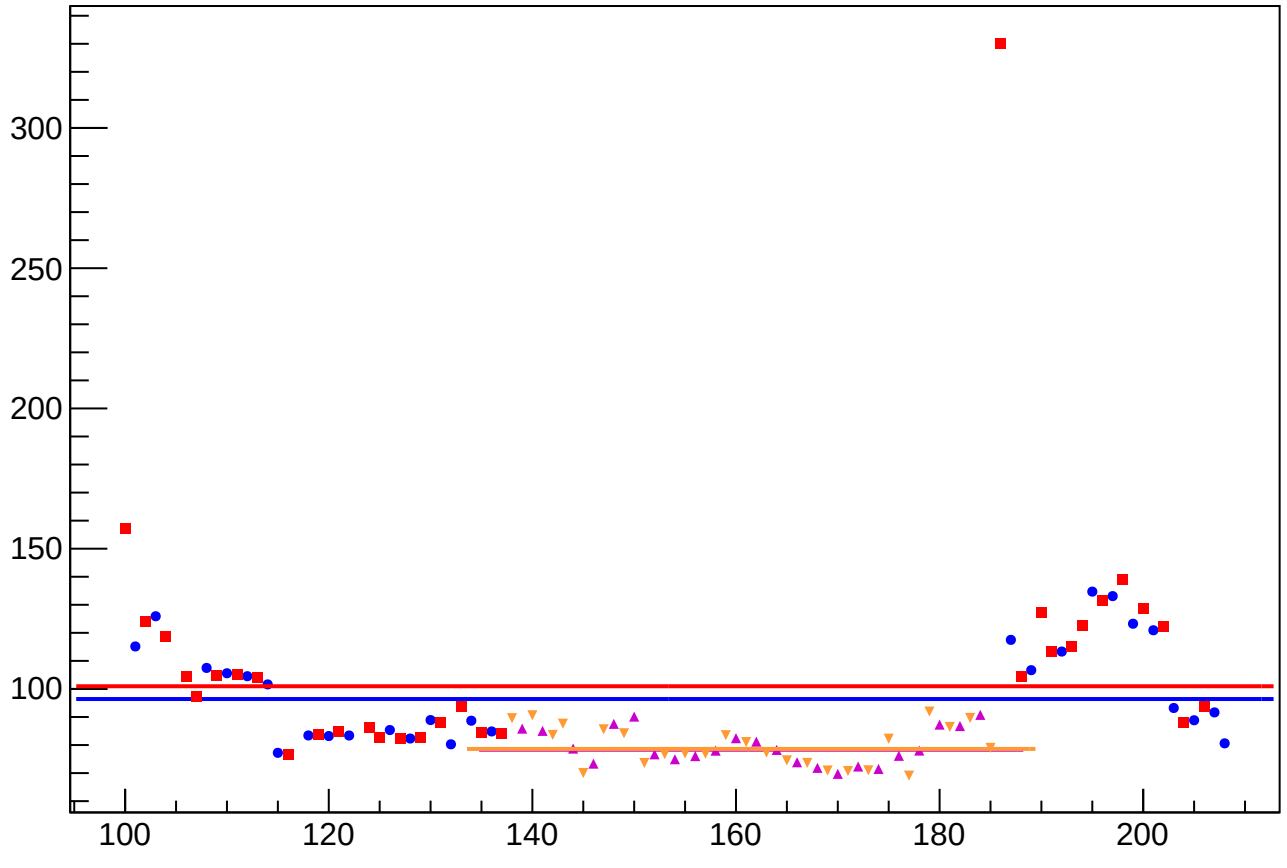
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 70.752+/-17.758 χ^2/NDF: 71.2/57

In: 34.303+/-14.745 χ^2/NDF:54.1/49

Out: 7.861+/-14.693 χ^2/NDF:92.7/55

All: 21.035+/-10.408 χ^2/NDF: 148.4/105



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

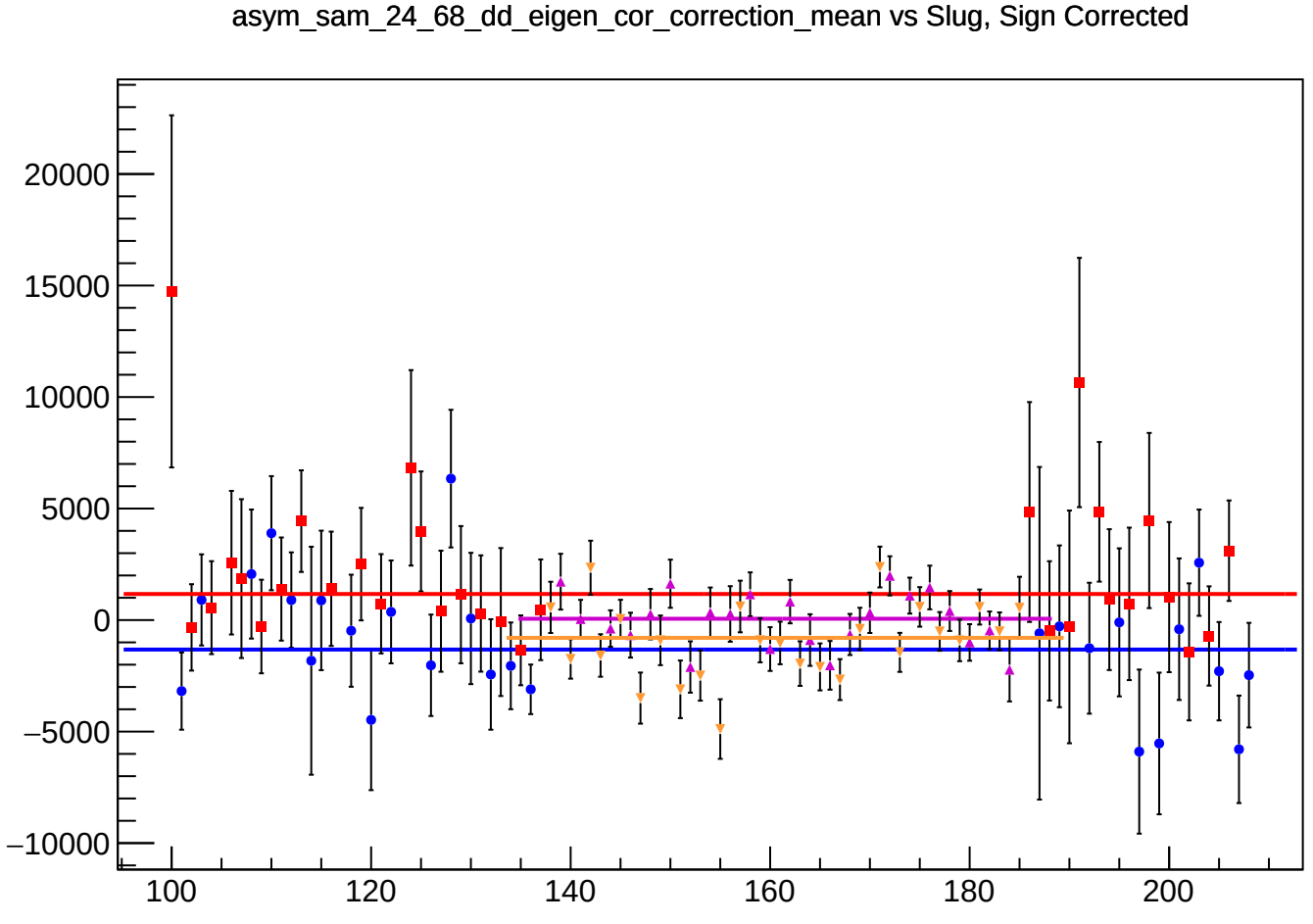
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 98.605+/-0.013 χ^2/NDF: 2245435.3/57

In: 84.778+/-0.010 χ^2/NDF:1787744.8/49

Out: 86.003+/-0.010 χ^2/NDF:2653837.2/55

All: 85.393+/-0.007 χ^2/NDF: 4448505.7/105


asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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−5000
−10000
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120
140
160
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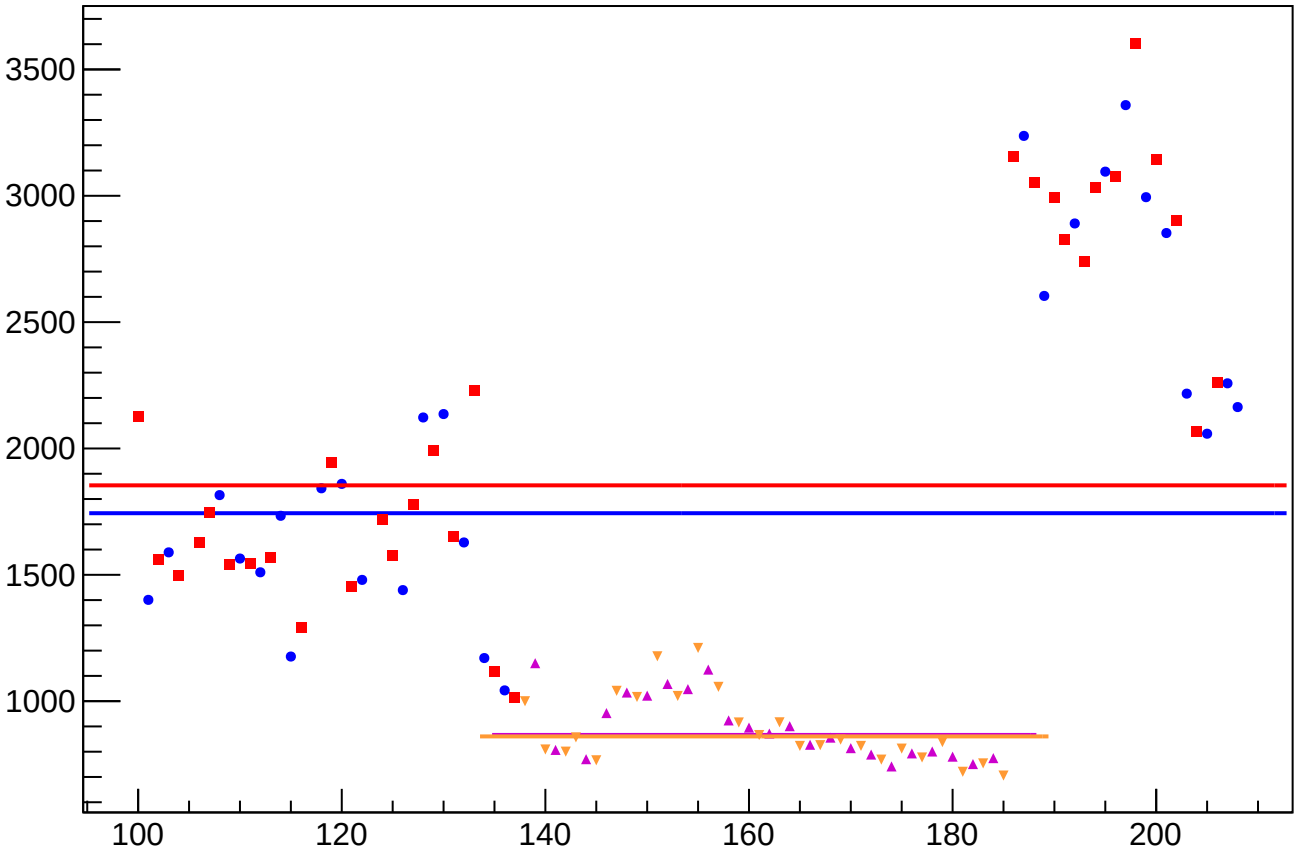
200
Right In: -1321.890+/-465.627 χ²/NDF: 30.7/26
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1168.950+/-485.718 χ²/NDF: 20.6/30
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -129.050+/-336.126 χ²/NDF: 65.0/57
In: -163.760+/-187.189 χ²/NDF:68.5/49
Out: -517.144+/-183.259 χ²/NDF:94.1/55
All: -344.201+/-130.951 χ²/NDF: 164.5/105



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

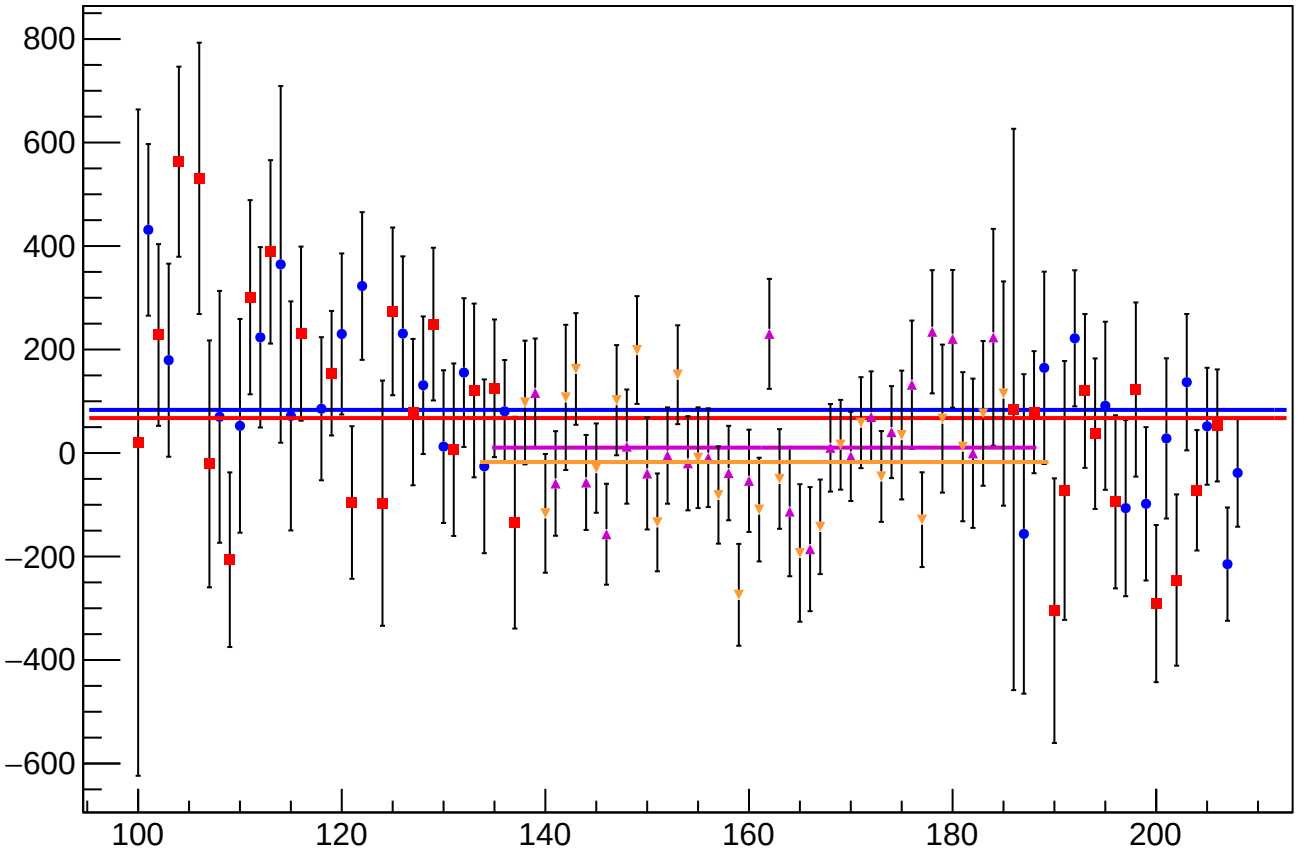
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1796.636+/-0.238 χ^2/NDF: 6869209.7/57

In: 1008.168+/-0.132 χ^2/NDF:9911203.4/49

Out: 1001.931+/-0.130 χ^2/NDF:11349545.0/55

All: 1004.984+/-0.093 χ^2/NDF: 21261882.1/1



Right In: 83.341+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 67.536+/-29.422 χ^2/NDF: 40.8/30

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

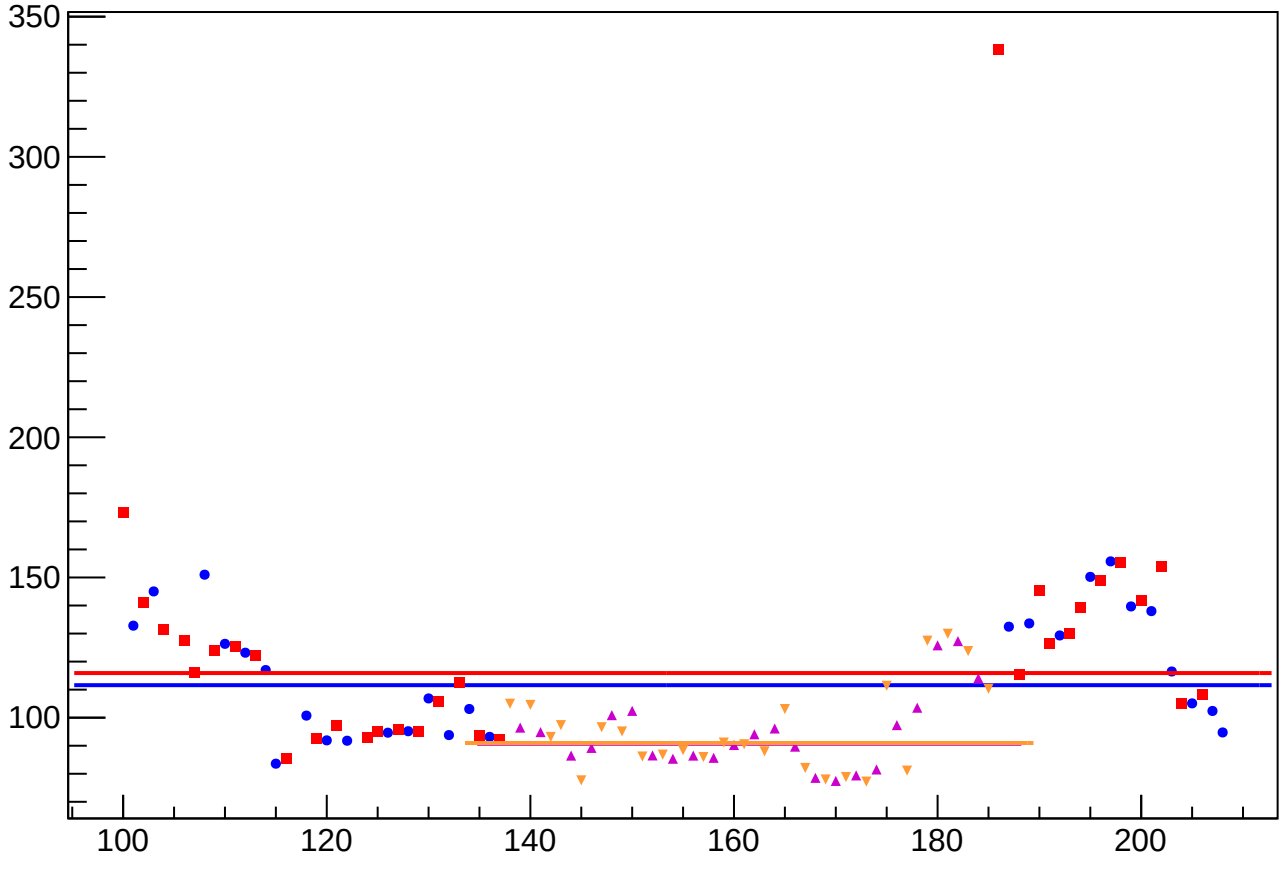
Right: 75.627+/-20.555 χ^2/NDF: 66.5/57

In: 36.599+/-17.215 χ^2/NDF:52.3/49

Out: 11.271+/-17.085 χ^2/NDF:77.5/55

All: 23.839+/-12.127 χ^2/NDF: 130.9/105

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 111.592+/-0.020 χ^2/NDF: 974244.0/26

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 115.913+/-0.021 χ^2/NDF: 1297527.2/30

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

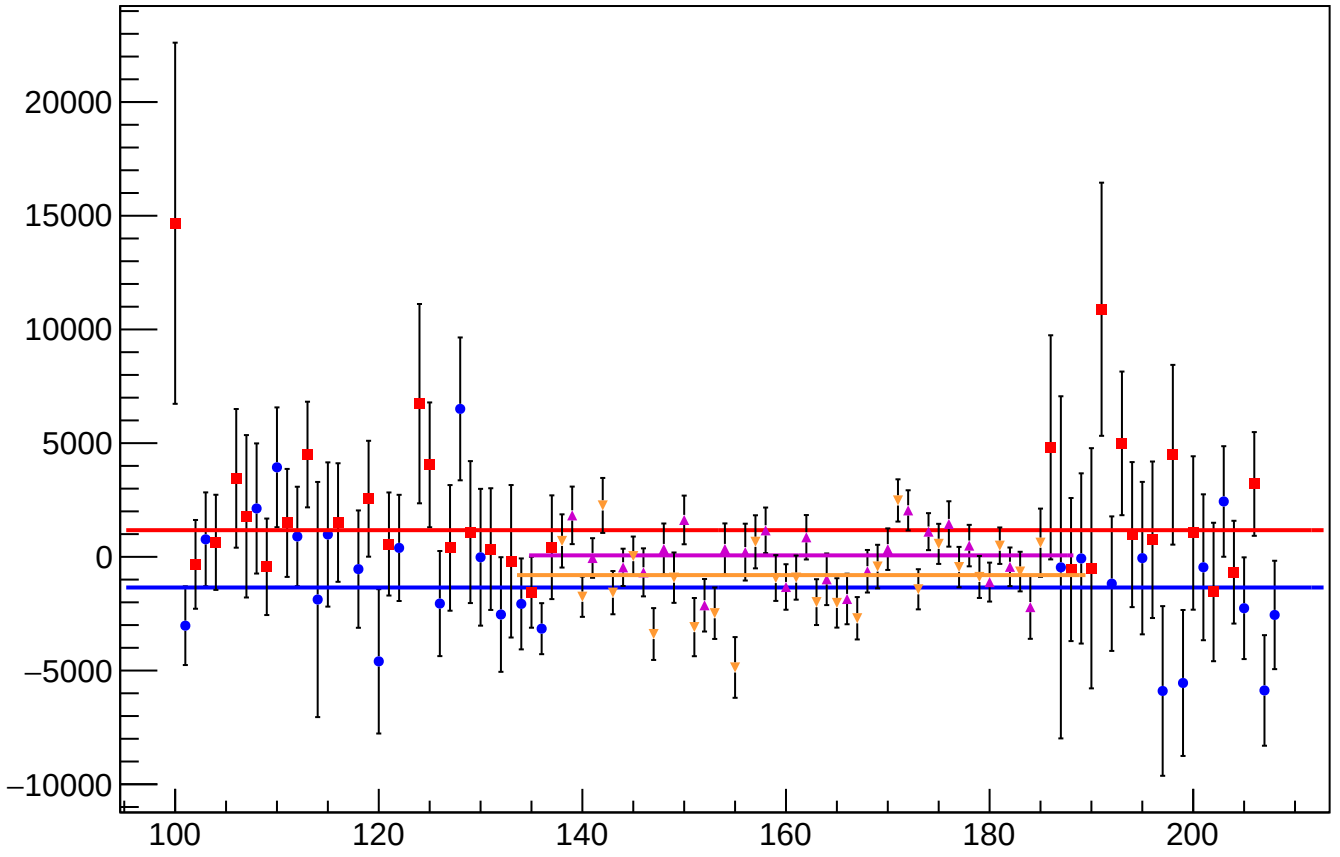
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 113.701+/-0.015 χ^2/NDF: 2293851.2/57

In: 98.195+/-0.012 χ^2/NDF:2198741.9/49

Out: 99.379+/-0.012 χ^2/NDF:3034960.3/55

All: 98.792+/-0.009 χ^2/NDF: 5238467.0/105



Right In: -1347.666+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1173.191+/-490.010 χ^2/NDF: 21.8/30

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

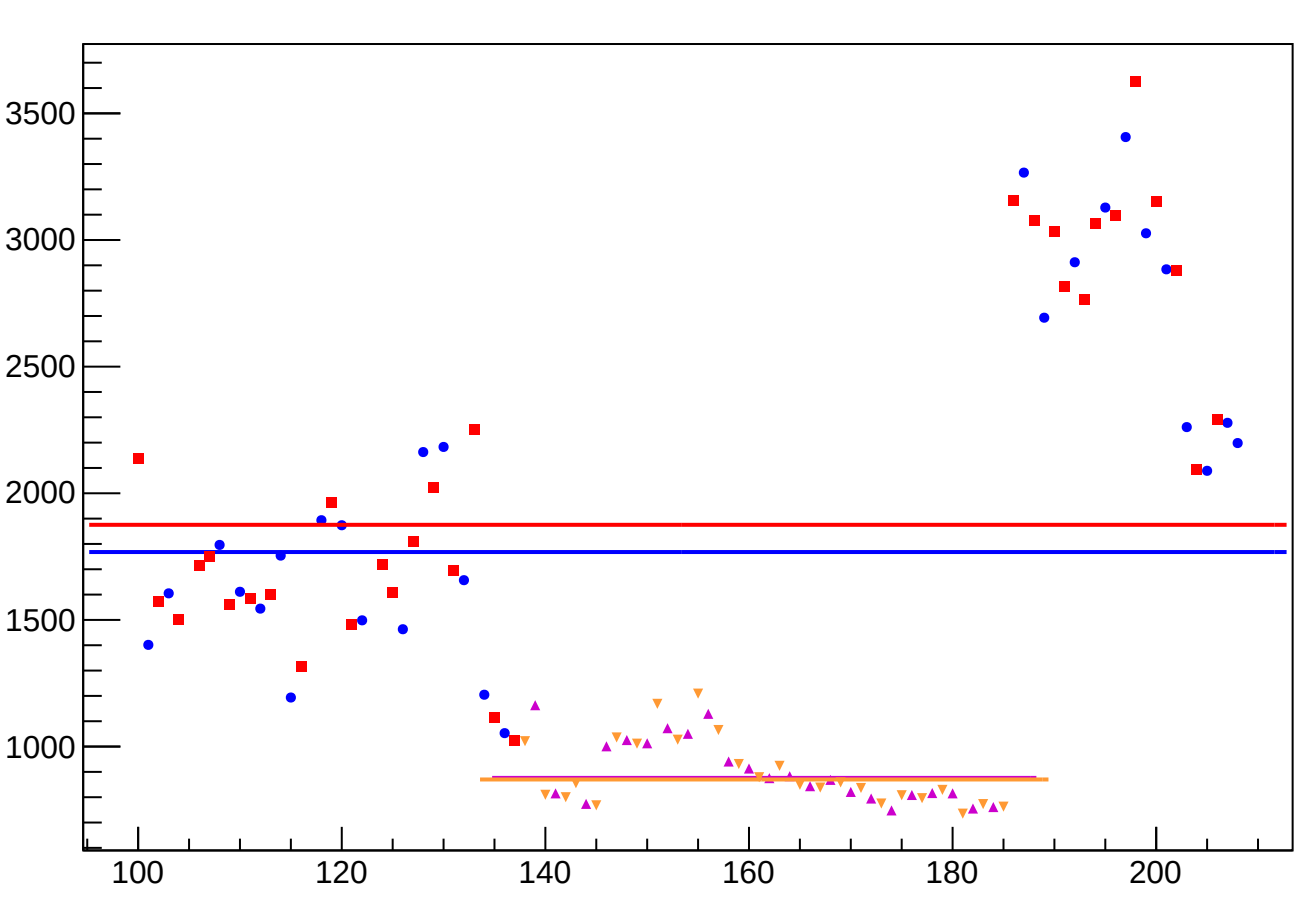
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -134.406+/-339.944 χ^2/NDF: 65.7/57

In: -162.094+/-189.323 χ^2/NDF:68.4/49

Out: -520.757+/-185.052 χ^2/NDF:94.1/55

All: -345.517+/-132.336 χ^2/NDF: 164.3/105



Right In: 1768.011+/-0.334 χ^2/NDF: 3351963.4/26

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1875.498+/-0.346 χ^2/NDF: 3441857.7/30

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

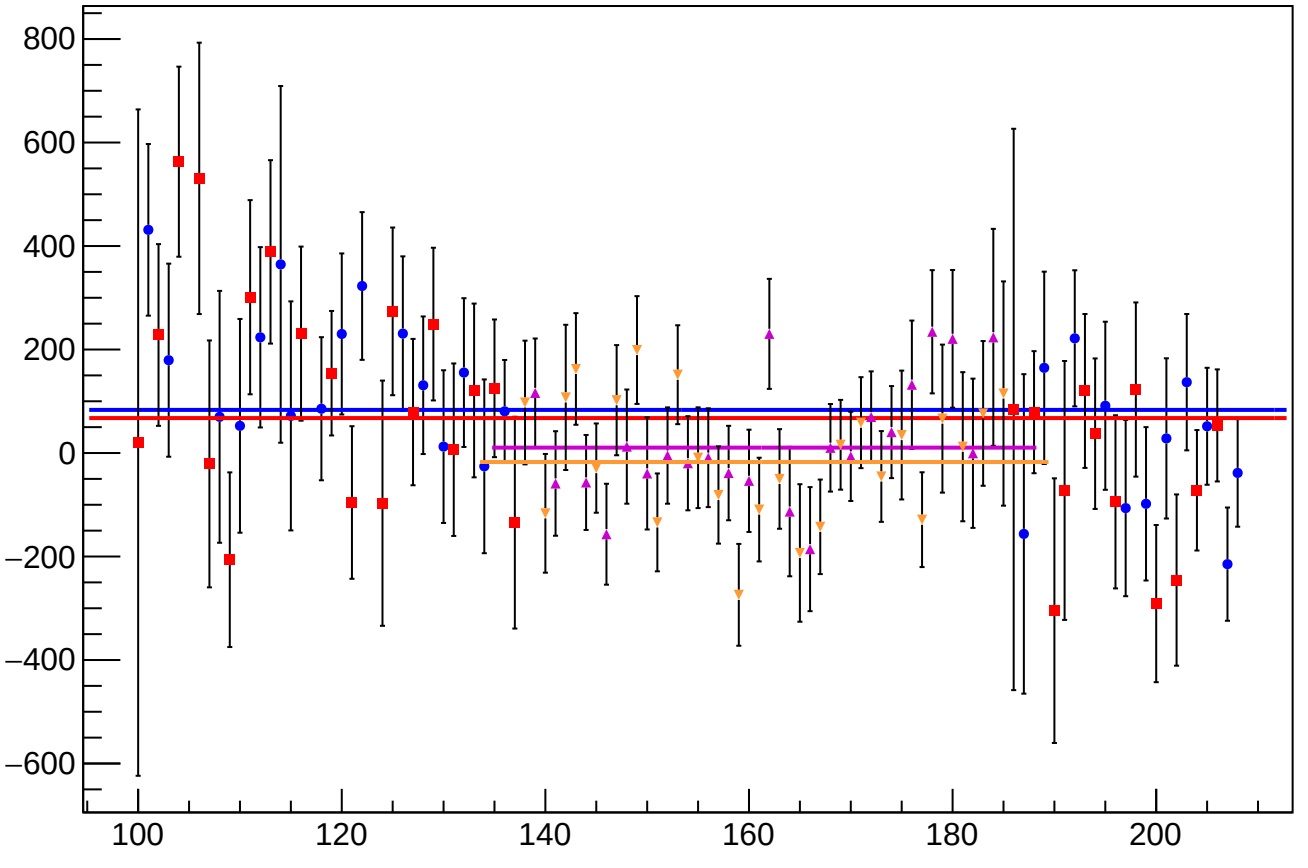
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1819.743+/-0.240 χ^2/NDF: 6843738.8/57

In: 1019.741+/-0.134 χ^2/NDF:9939289.0/49

Out: 1013.410+/-0.131 χ^2/NDF:11309326.7/55

All: 1016.503+/-0.094 χ^2/NDF: 21249759.3/1



Right In: 83.344+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 67.536+/-29.422 χ^2/NDF: 40.8/30

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

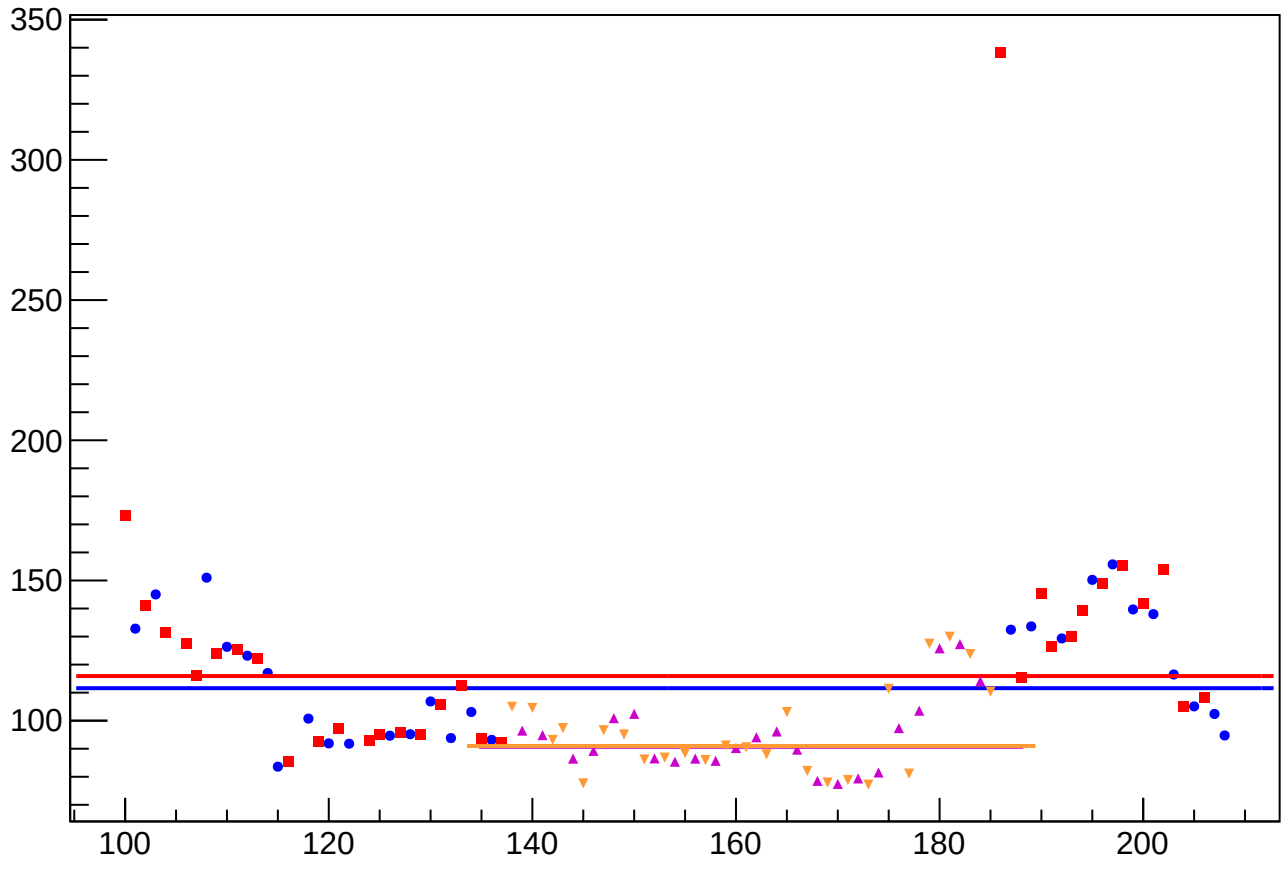
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 75.628+/-20.555 χ^2/NDF: 66.5/57

In: 36.600+/-17.215 χ^2/NDF:52.3/49

Out: 11.272+/-17.085 χ^2/NDF:77.5/55

All: 23.840+/-12.127 χ^2/NDF: 130.9/105



Right In: 111.591+/-0.020 χ^2/NDF: 974255.6/26

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 115.912+/-0.021 χ^2/NDF: 1297549.8/30

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

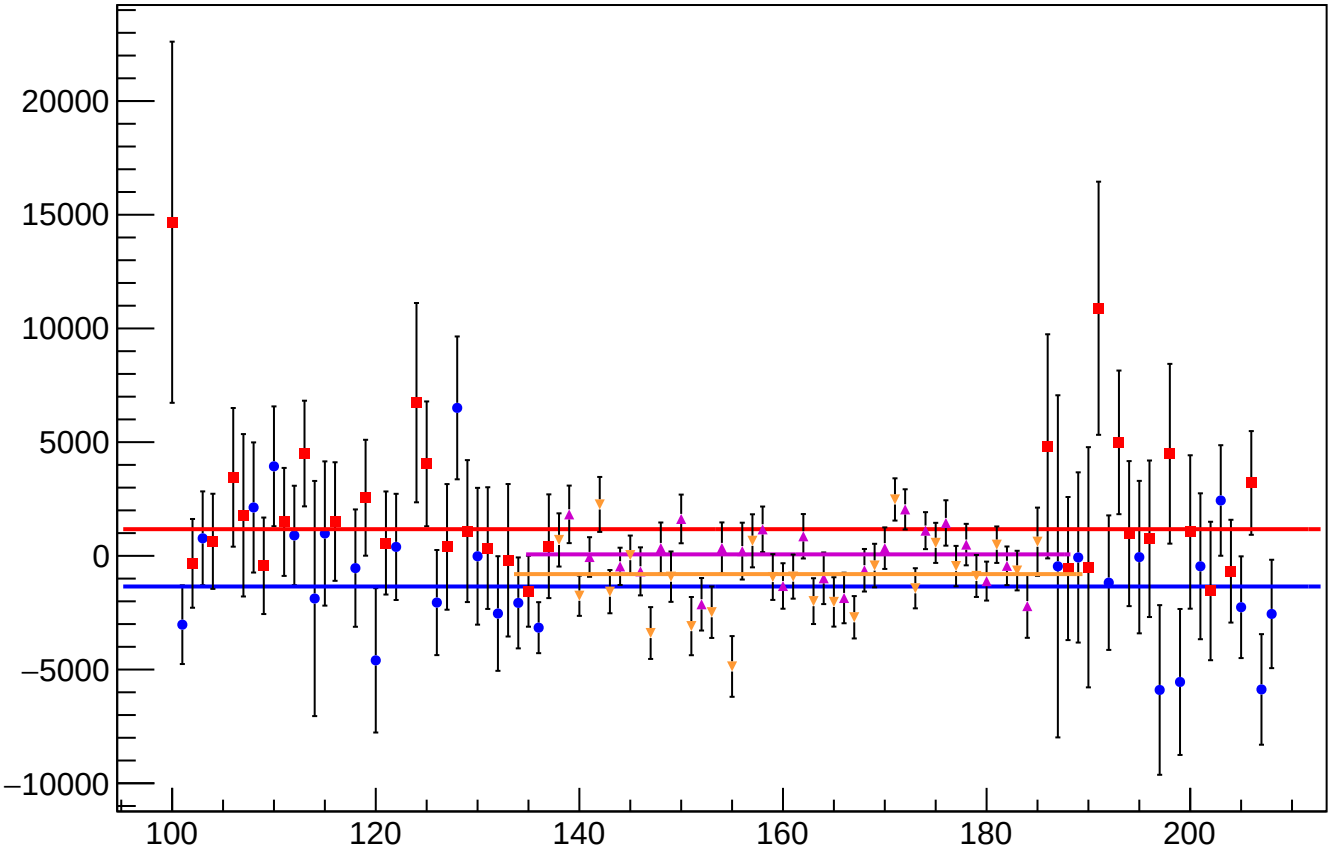
Right: 113.700+/-0.015 χ^2/NDF: 2293886.9/57

In: 98.195+/-0.012 χ^2/NDF:2198710.5/49

Out: 99.379+/-0.012 χ^2/NDF:3034948.0/55

All: 98.792+/-0.009 χ^2/NDF: 5238424.5/105

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1347.661+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1173.190+/-490.009 χ^2/NDF: 21.8/30

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

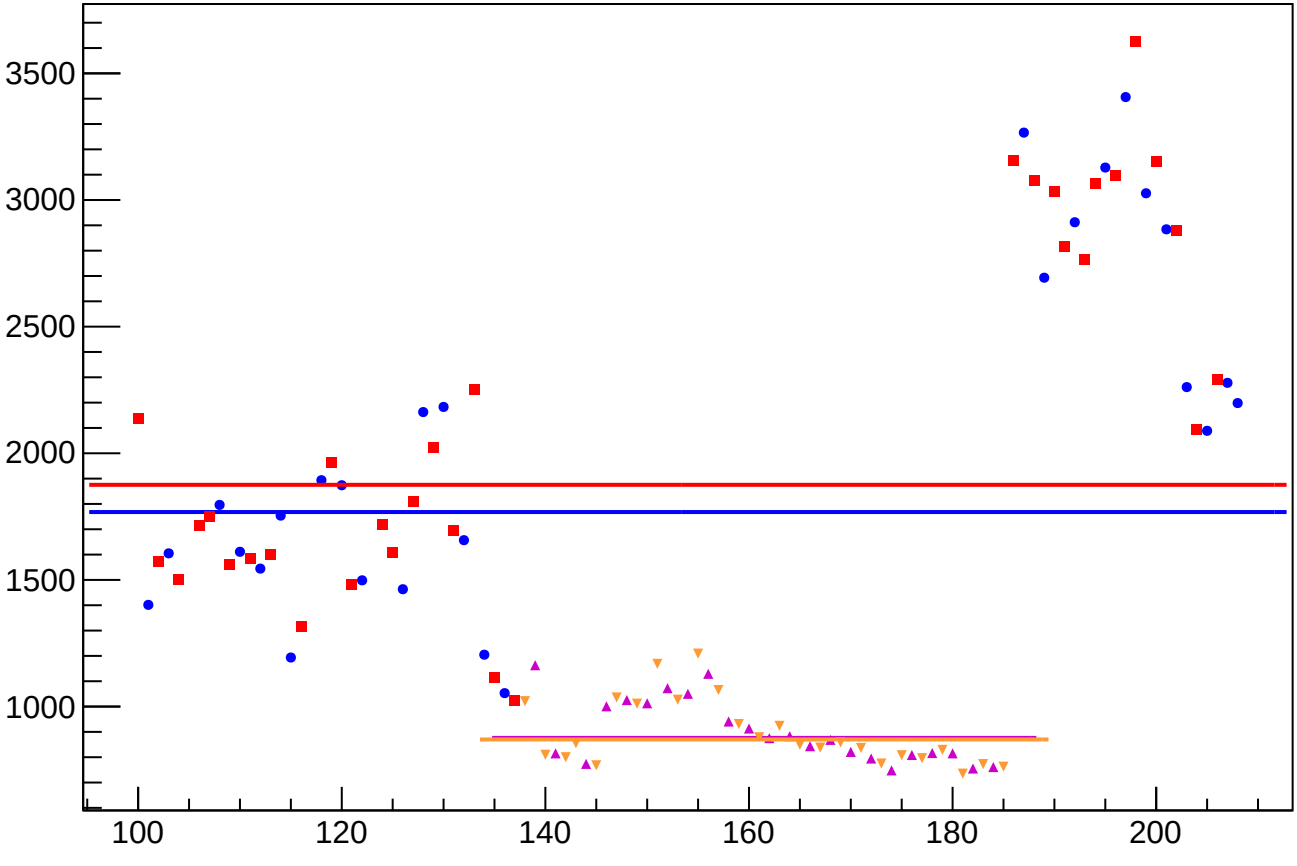
Right: -134.403+/-339.944 χ^2/NDF: 65.7/57

In: -162.094+/-189.323 χ^2/NDF:68.4/49

Out: -520.756+/-185.052 χ^2/NDF:94.1/55

All: -345.516+/-132.335 χ^2/NDF: 164.3/105

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1768.008+/-0.334 χ^2/NDF: 3351970.0/26

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1875.495+/-0.346 χ^2/NDF: 3441868.7/30

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

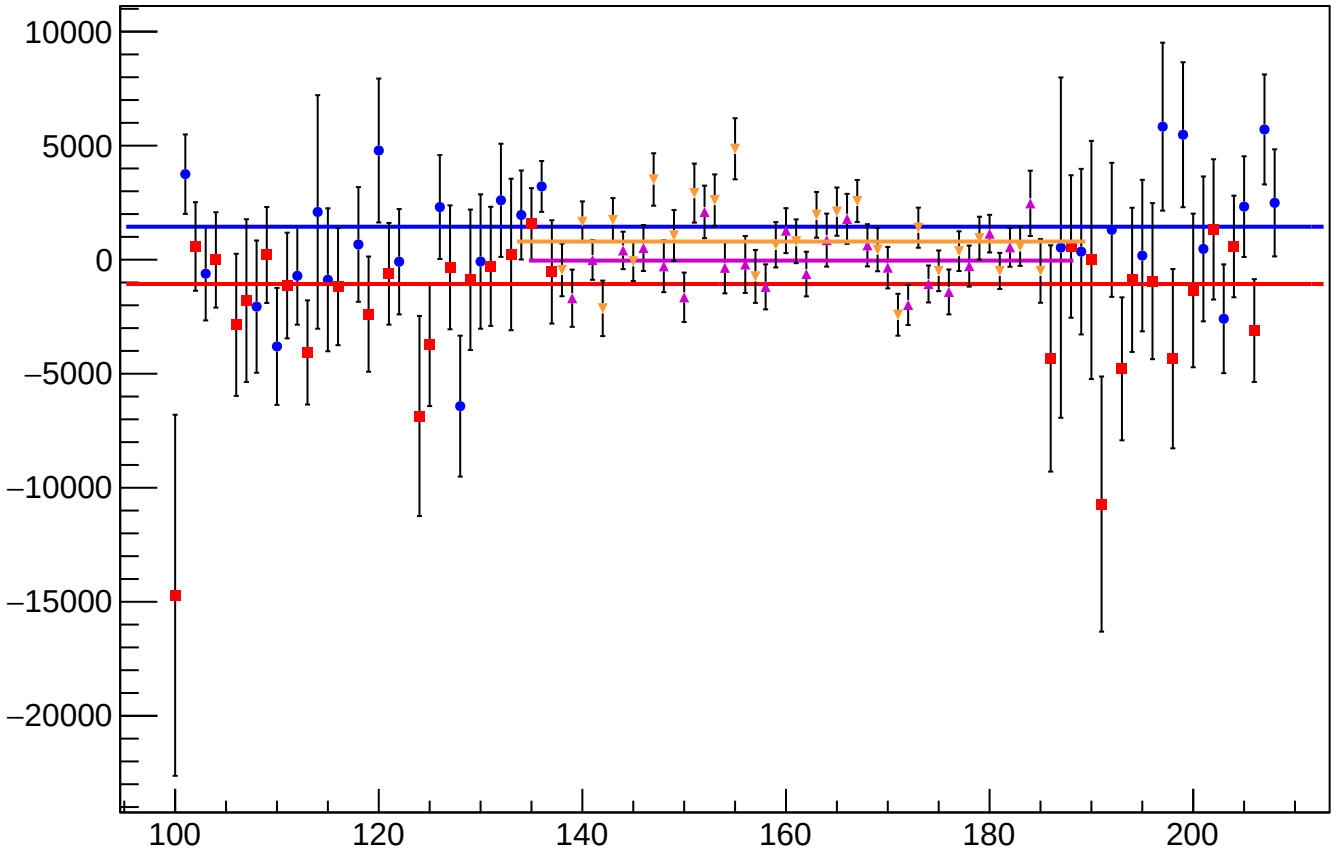
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1819.740+/-0.240 χ^2/NDF: 6843756.2/57

In: 1019.740+/-0.134 χ^2/NDF:9939286.7/49

Out: 1013.409+/-0.131 χ^2/NDF:11309324.7/55

All: 1016.502+/-0.094 χ^2/NDF: 21249754.9/



Right In: 1445.488+/-466.665 χ^2/NDF: 31.1/26

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1066.592+/-486.244 χ^2/NDF: 20.4/30

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

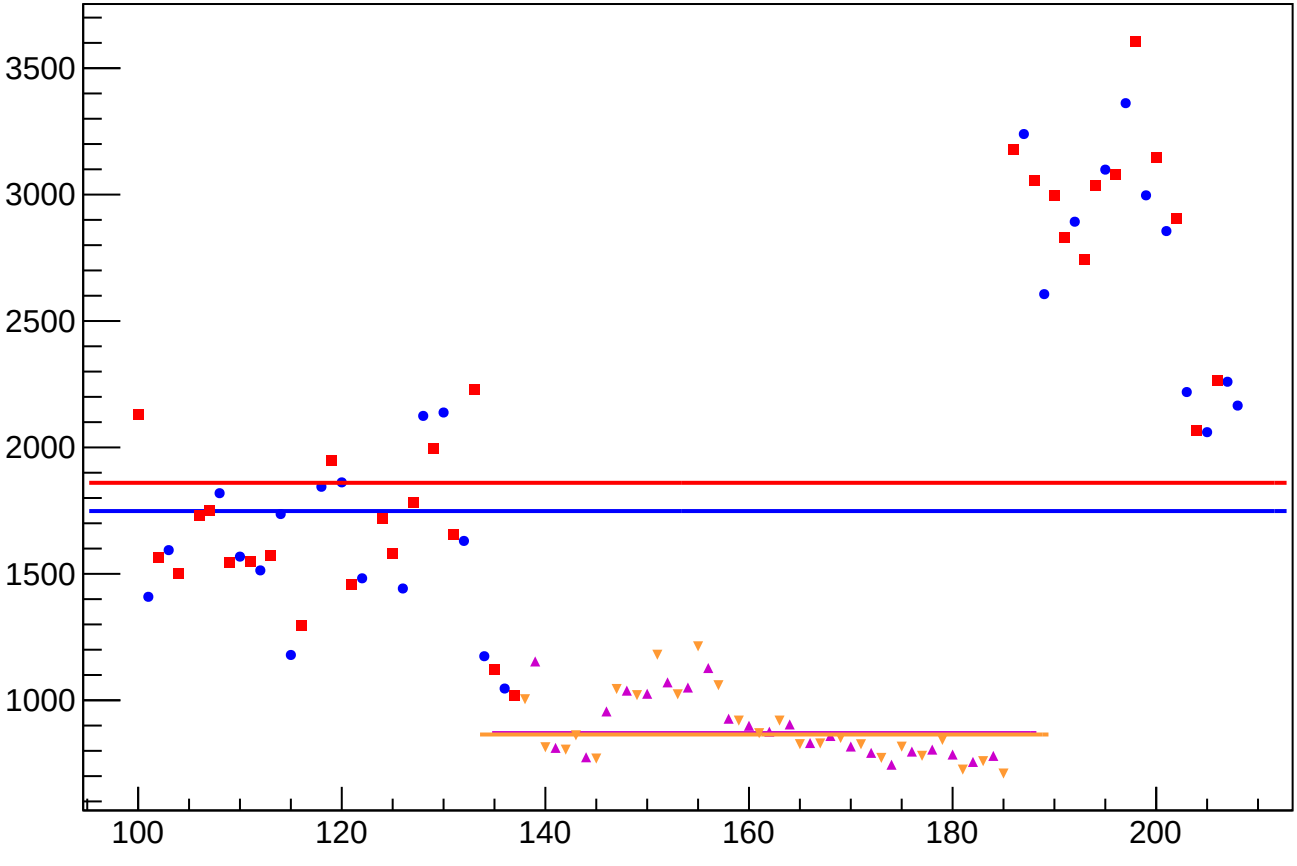
Right: 241.042+/-336.691 χ^2/NDF: 65.4/57

In: 201.190+/-187.957 χ^2/NDF:69.3/49

Out: 529.486+/-184.016 χ^2/NDF:90.2/55

All: 368.816+/-131.490 χ^2/NDF: 161.0/105

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1748.369+/-0.330 χ^2/NDF: 3323512.5/26

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1860.076+/-0.344 χ^2/NDF: 3453968.0/30

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

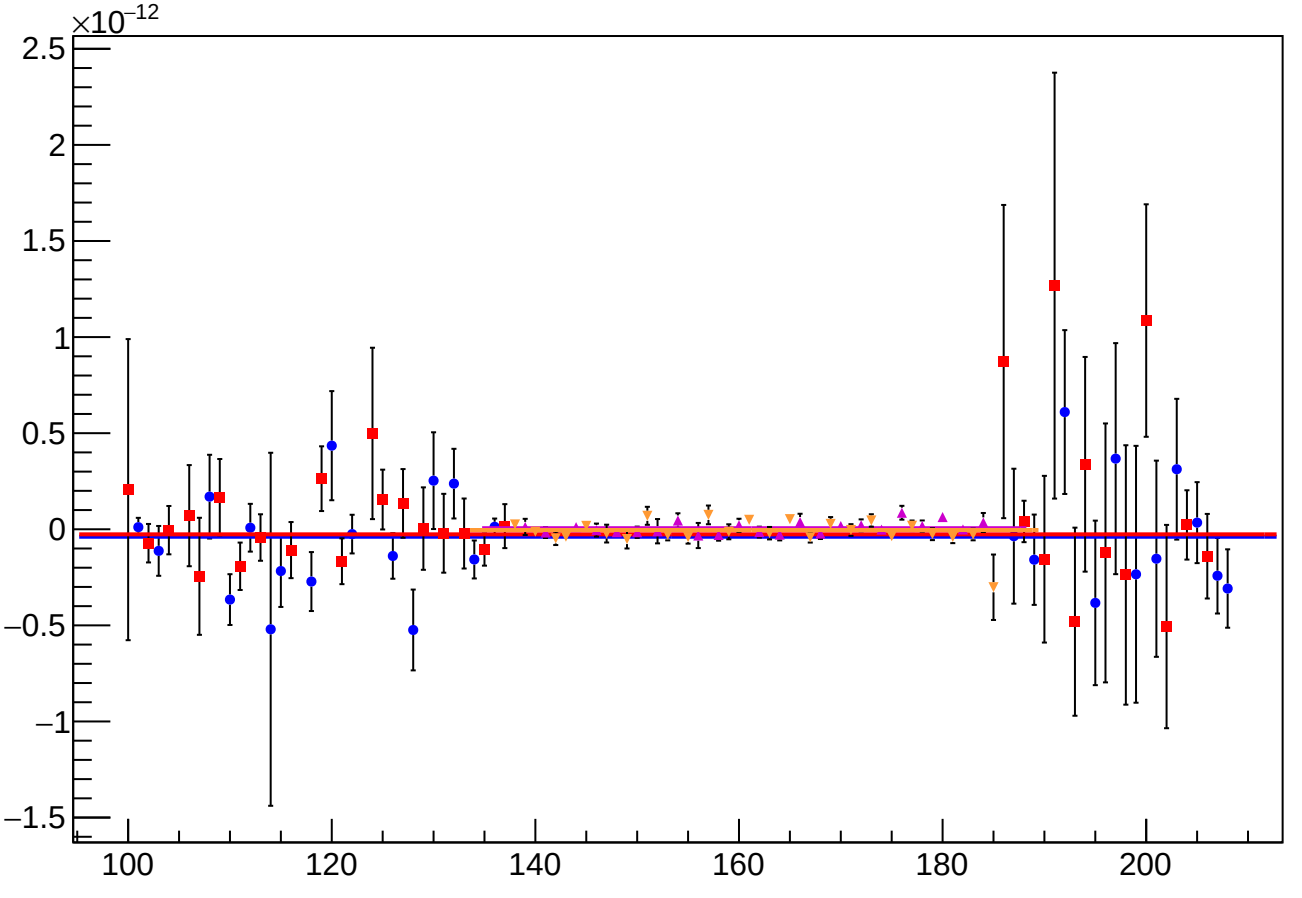
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1801.928+/-0.238 χ^2/NDF: 6832426.5/57

In: 1012.780+/-0.133 χ^2/NDF:9859482.7/49

Out: 1007.203+/-0.130 χ^2/NDF:11324492.9/55

All: 1009.932+/-0.093 χ^2/NDF: 21184874.6/



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

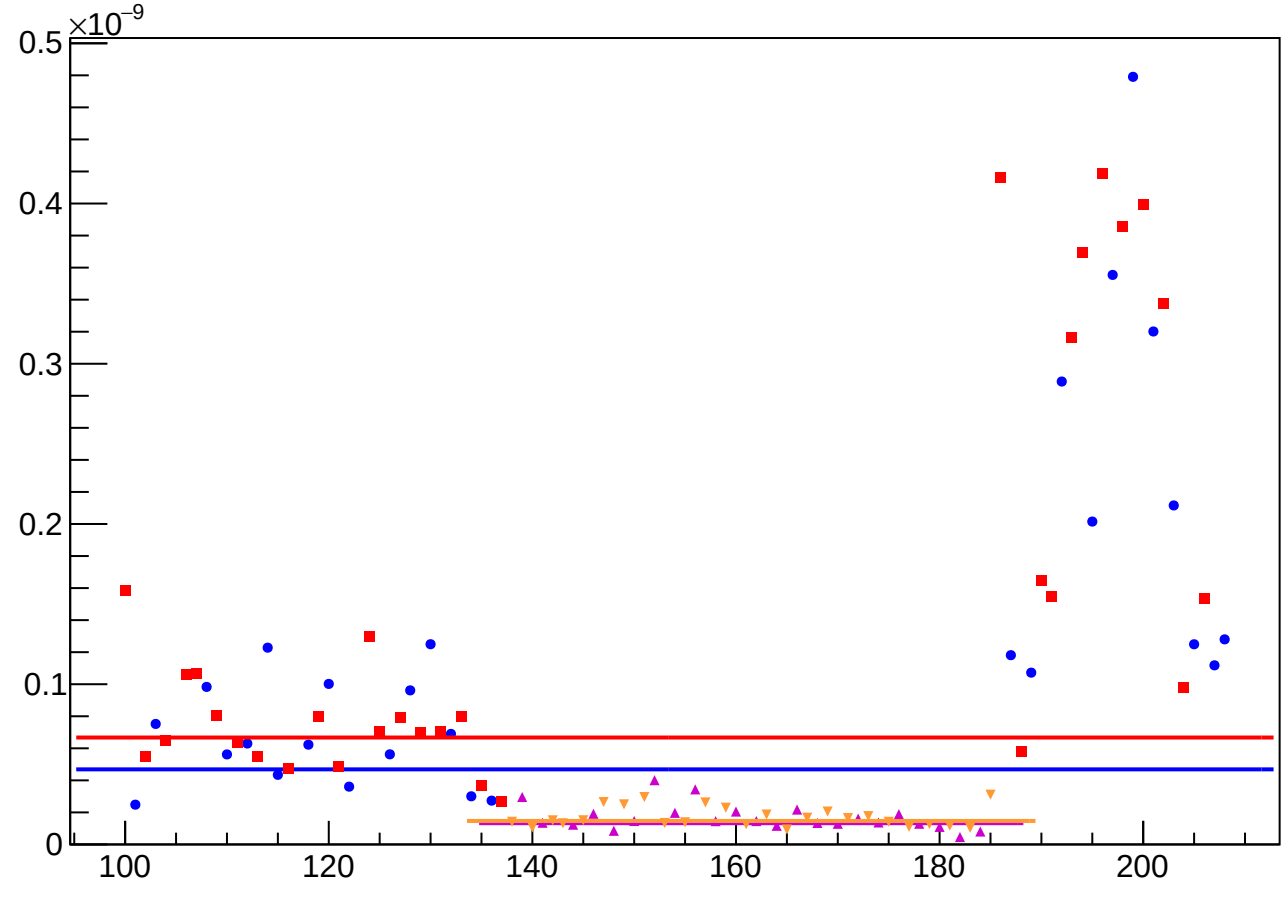
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 57.3/57

In: 0.000+/-0.000 χ^2/NDF:58.9/49

Out: -0.000+/-0.000 χ^2/NDF:61.3/55

All: -0.000+/-0.000 χ^2/NDF: 121.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 5876785.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4920424.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

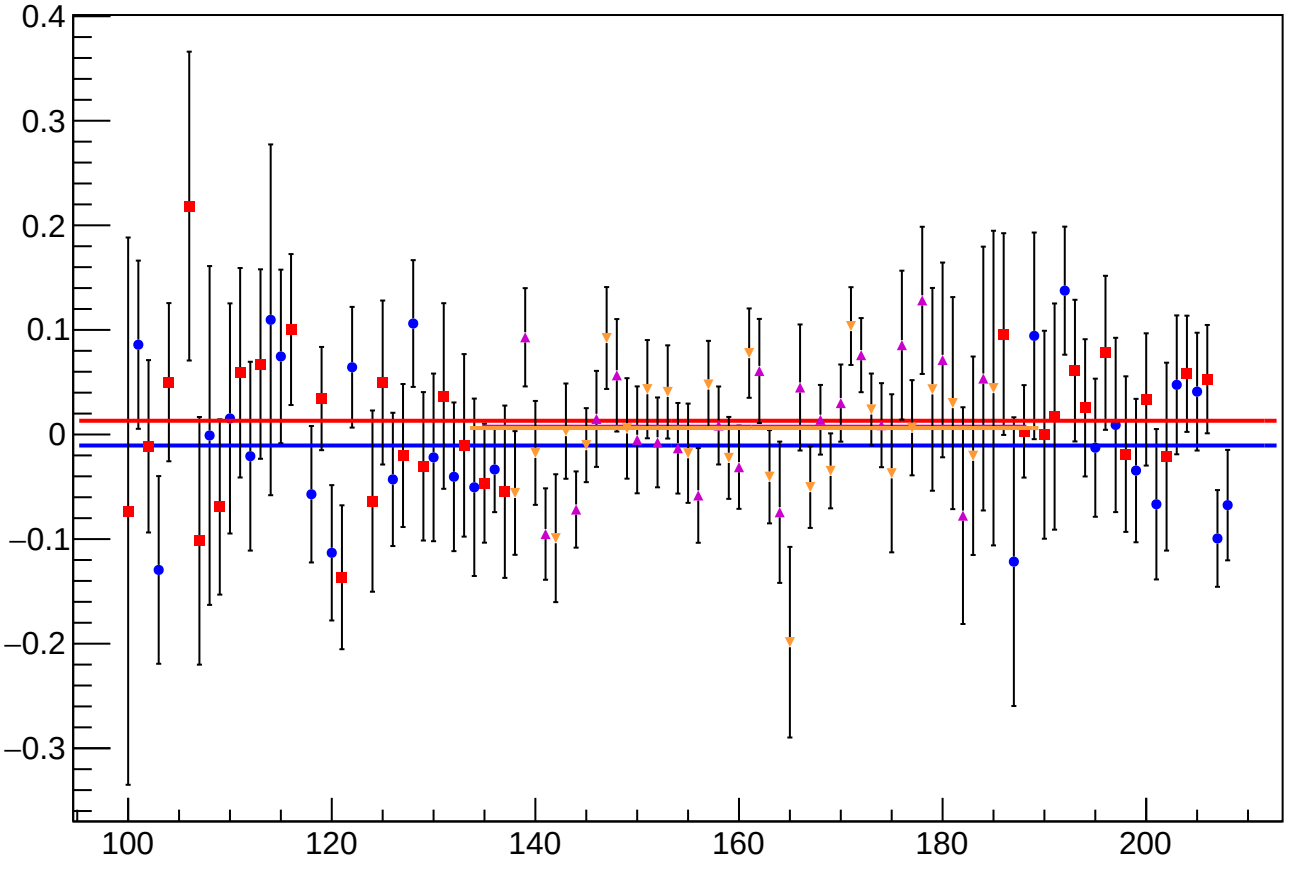
Right: 0.000+/-0.000 χ^2/NDF: 11308518.1/57

In: 0.000+/-0.000 χ^2/NDF:11503988.2/49

Out: 0.000+/-0.000 χ^2/NDF:11424986.2/55

All: 0.000+/-0.000 χ^2/NDF: 22979349.5/105

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

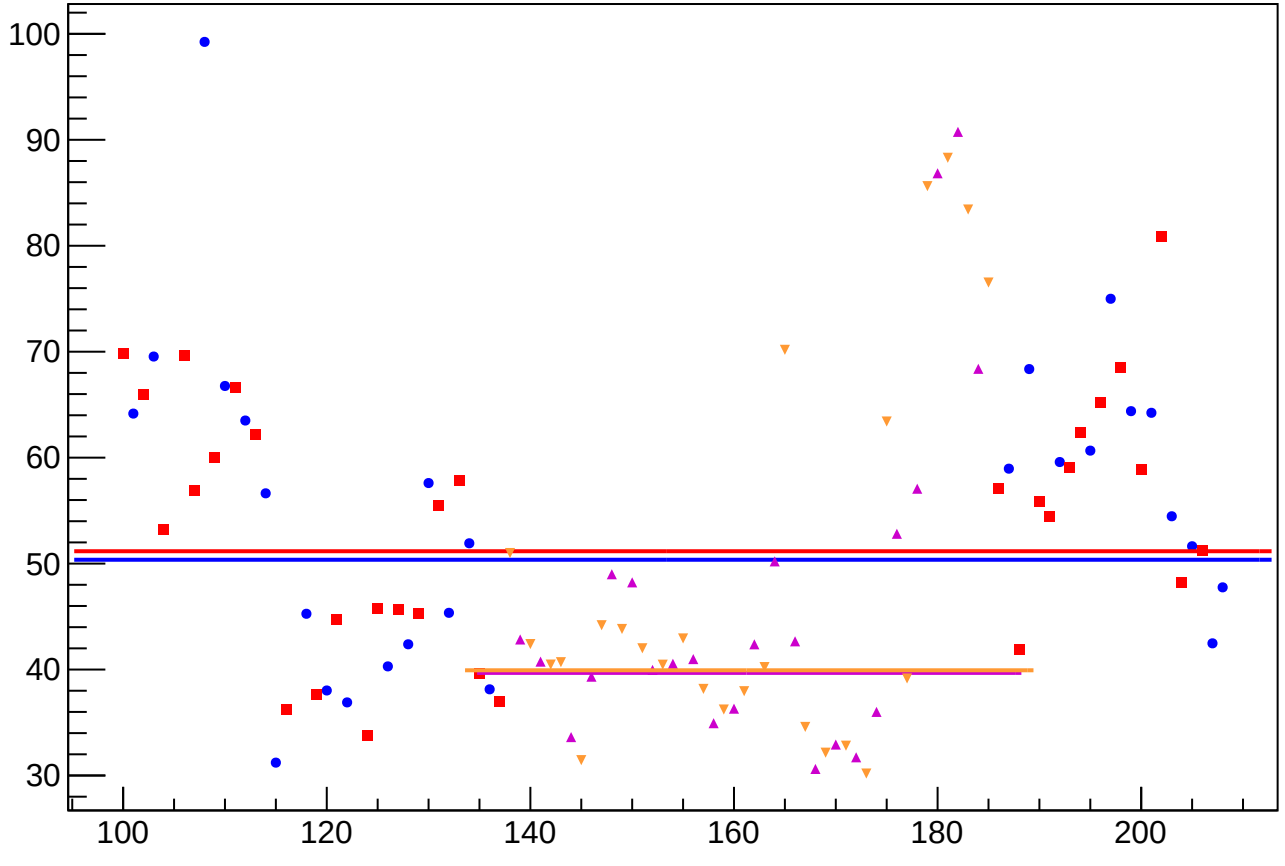
Right: 0.001+/-0.009 χ^2/NDF: 49.3/57

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.005+/-0.006 χ^2/NDF: 110.7/105

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

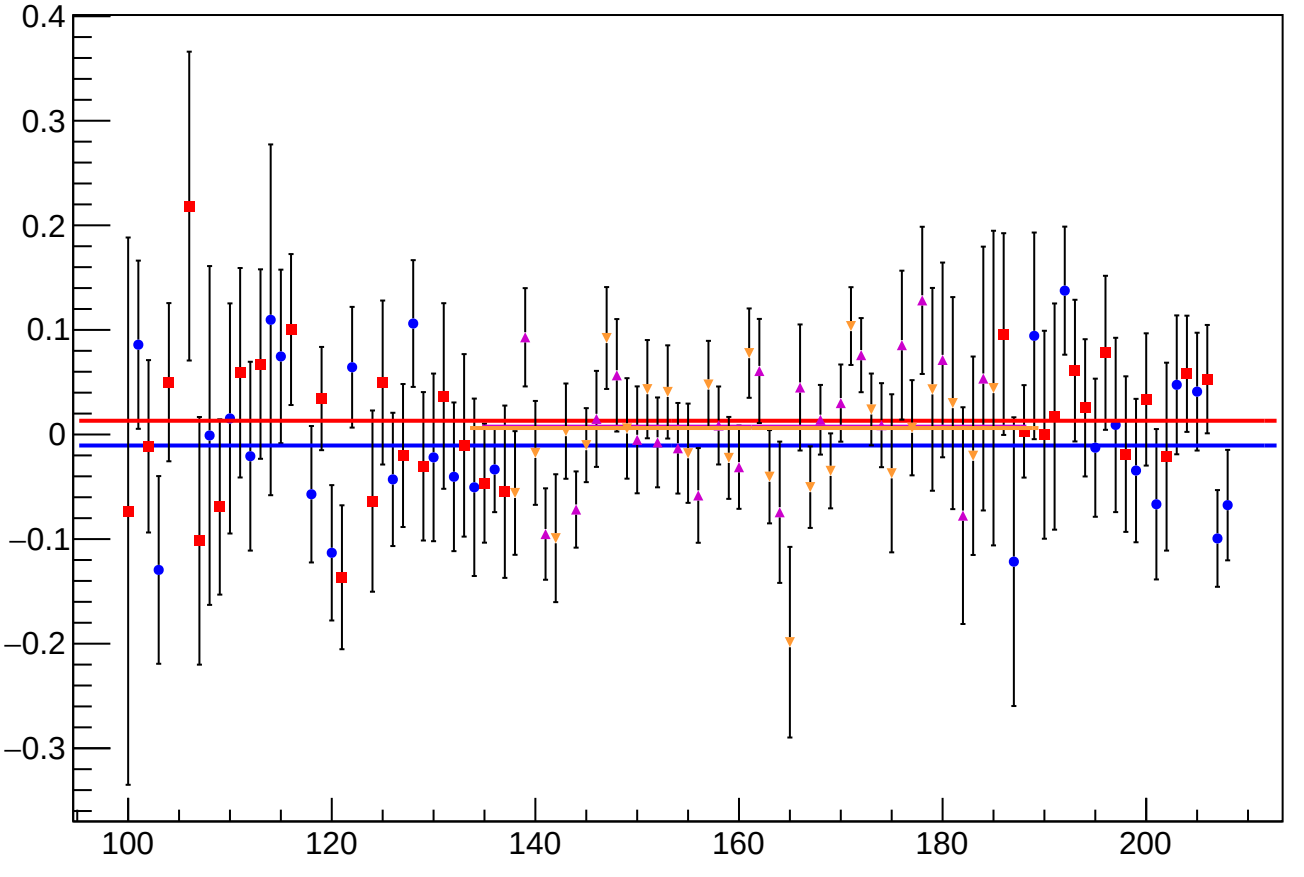
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.769+/-0.007 χ^2/NDF: 2951012.3/57

In: 43.433+/-0.006 χ^2/NDF:4339463.1/49

Out: 43.806+/-0.005 χ^2/NDF:4787493.1/55

All: 43.622+/-0.004 χ^2/NDF: 9129242.0/105



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

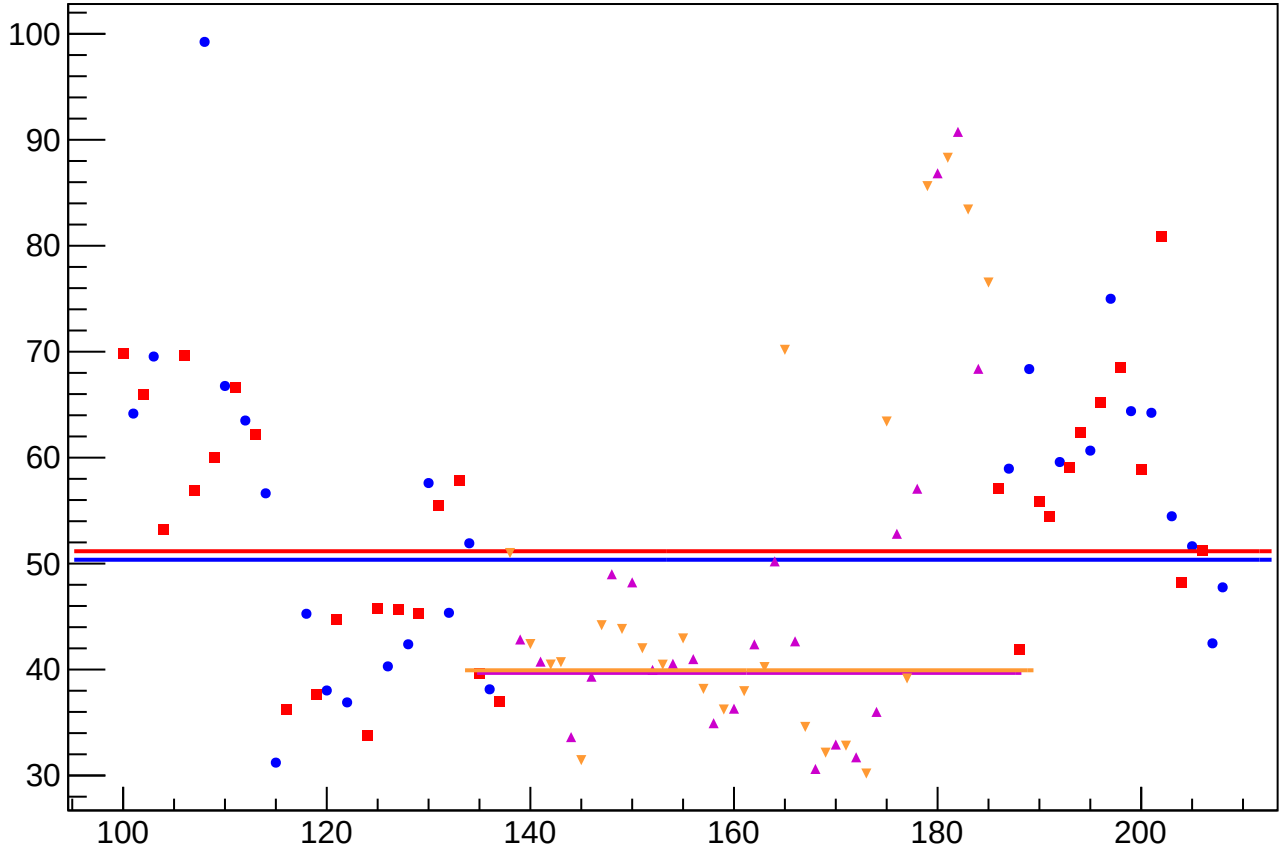
Right: 0.001+/-0.009 χ^2/NDF: 49.3/57

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.005+/-0.006 χ^2/NDF: 110.7/105

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

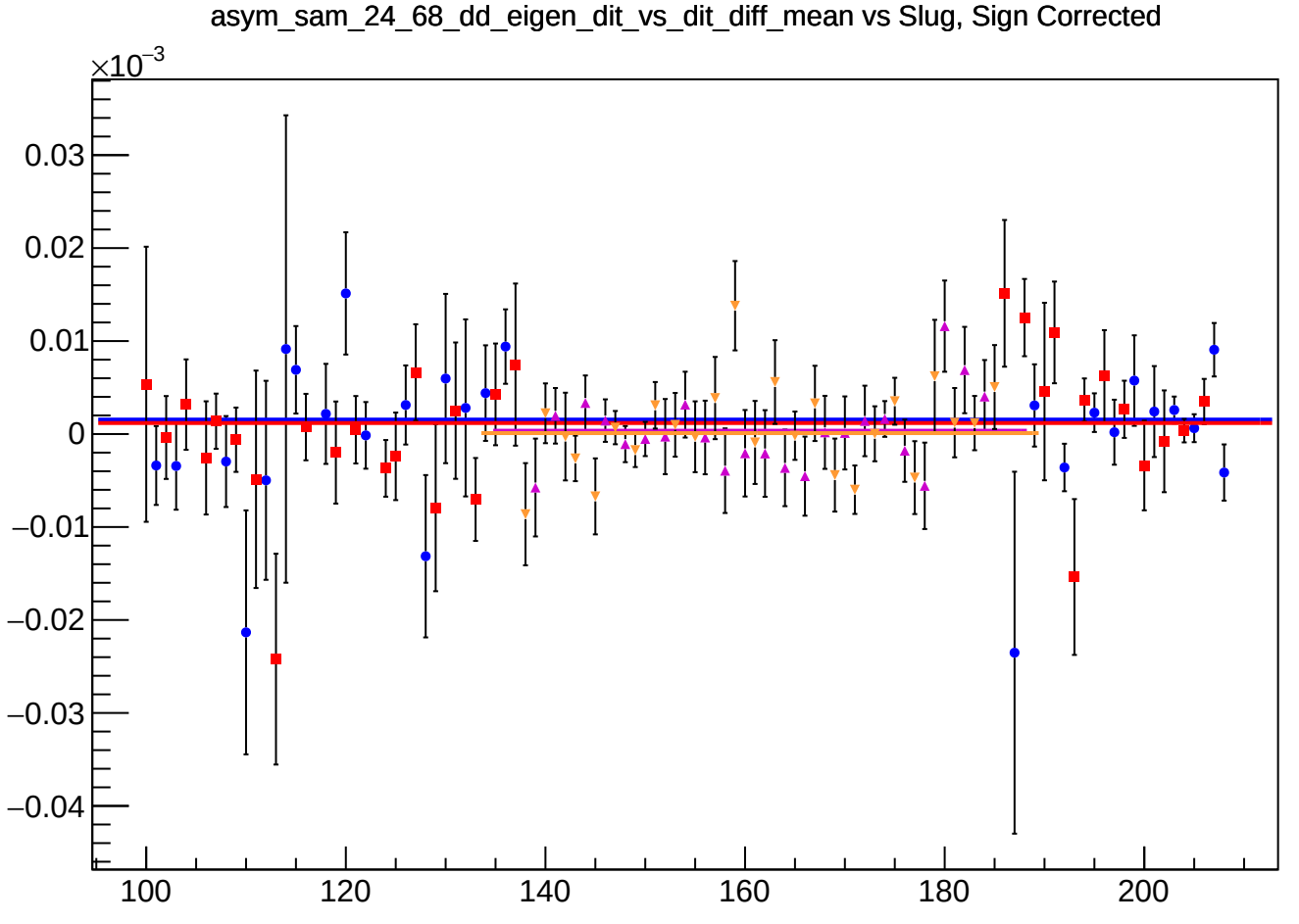
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.769+/-0.007 χ^2/NDF: 2951012.3/57

In: 43.433+/-0.006 χ^2/NDF:4339463.1/49

Out: 43.806+/-0.005 χ^2/NDF:4787493.1/55

All: 43.622+/-0.004 χ^2/NDF: 9129242.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/30

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

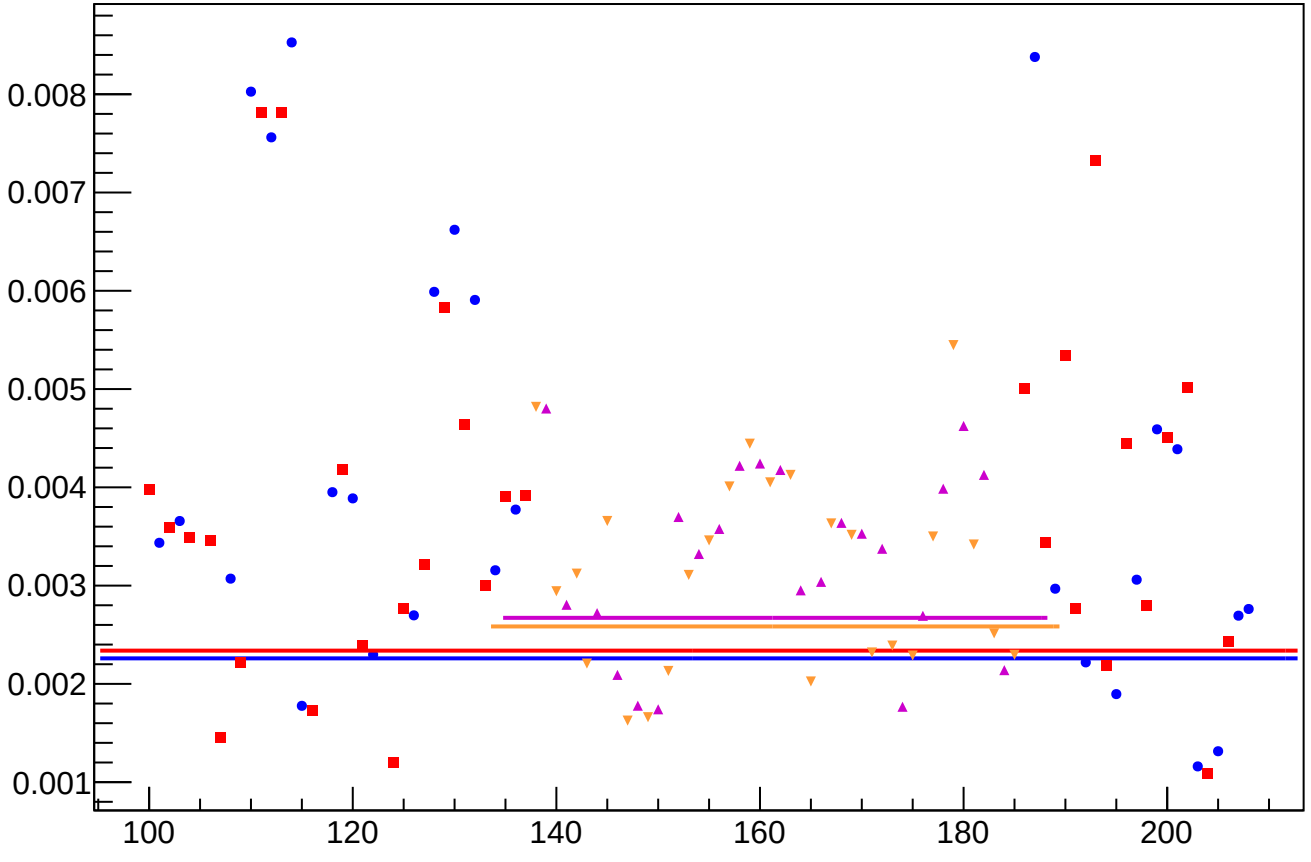
Right: 0.000+/-0.000 χ^2/NDF: 77.1/57

In: 0.000+/-0.000 χ^2/NDF:58.5/49

Out: 0.000+/-0.000 χ^2/NDF:73.4/55

All: 0.000+/-0.000 χ^2/NDF: 132.2/105

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6518265.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7428974.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

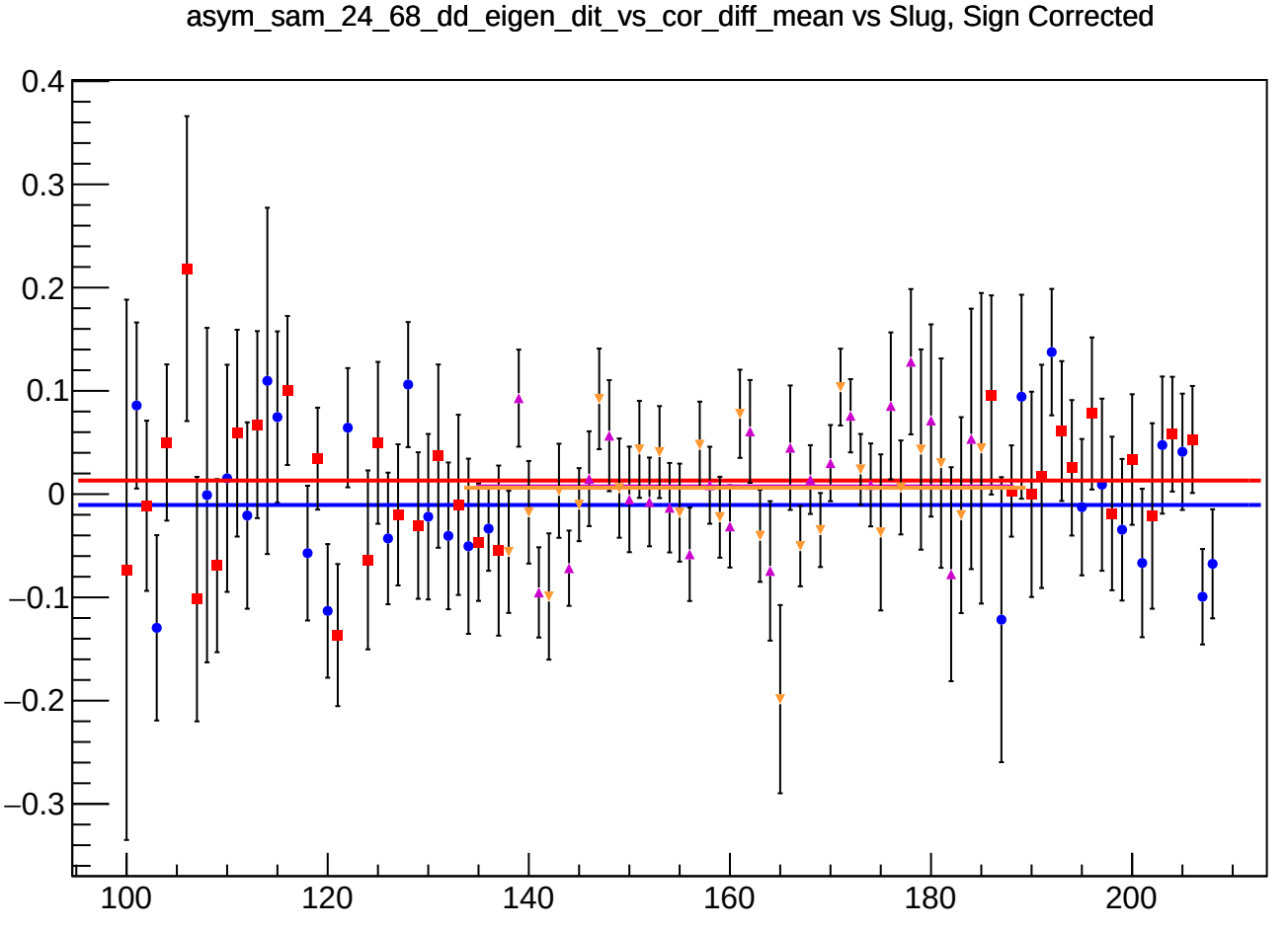
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 13961096.8/57

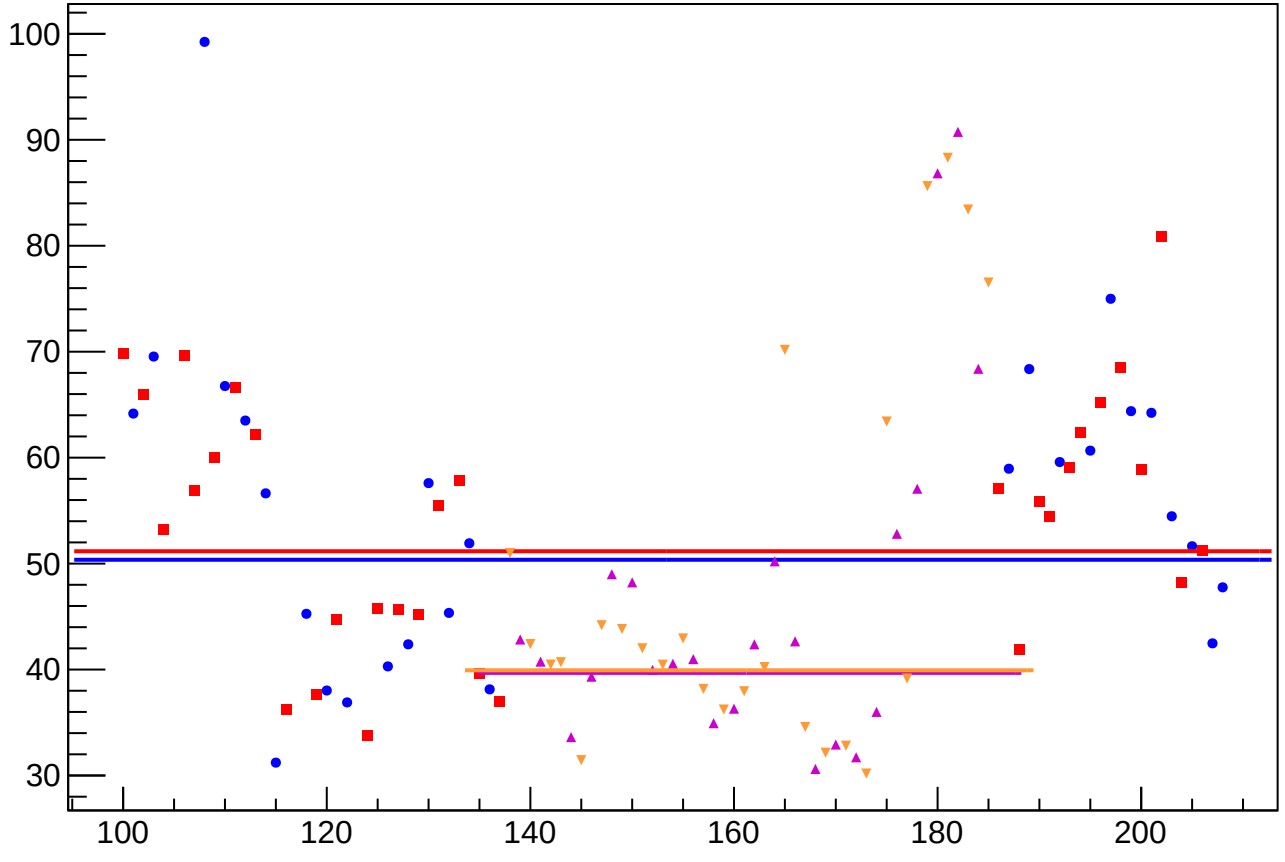
In: 0.002+/-0.000 χ^2/NDF:10728186.0/49

Out: 0.002+/-0.000 χ^2/NDF:11464033.1/55

All: 0.002+/-0.000 χ^2/NDF: 22192489.2/105


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: -0.011+/-0.013 χ²/NDF: 29.1/26
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: 0.013+/-0.013 χ²/NDF: 18.6/30
Left In: 0.007+/-0.010 χ²/NDF:30.4/22
Left: 0.007+/-0.007 χ²/NDF: 61.3/47
Right: 0.001+/-0.009 χ²/NDF: 49.3/57
In: 0.001+/-0.008 χ²/NDF:60.7/49
Out: 0.009+/-0.008 χ²/NDF:49.6/55
All: 0.005+/-0.006 χ²/NDF: 110.7/105

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

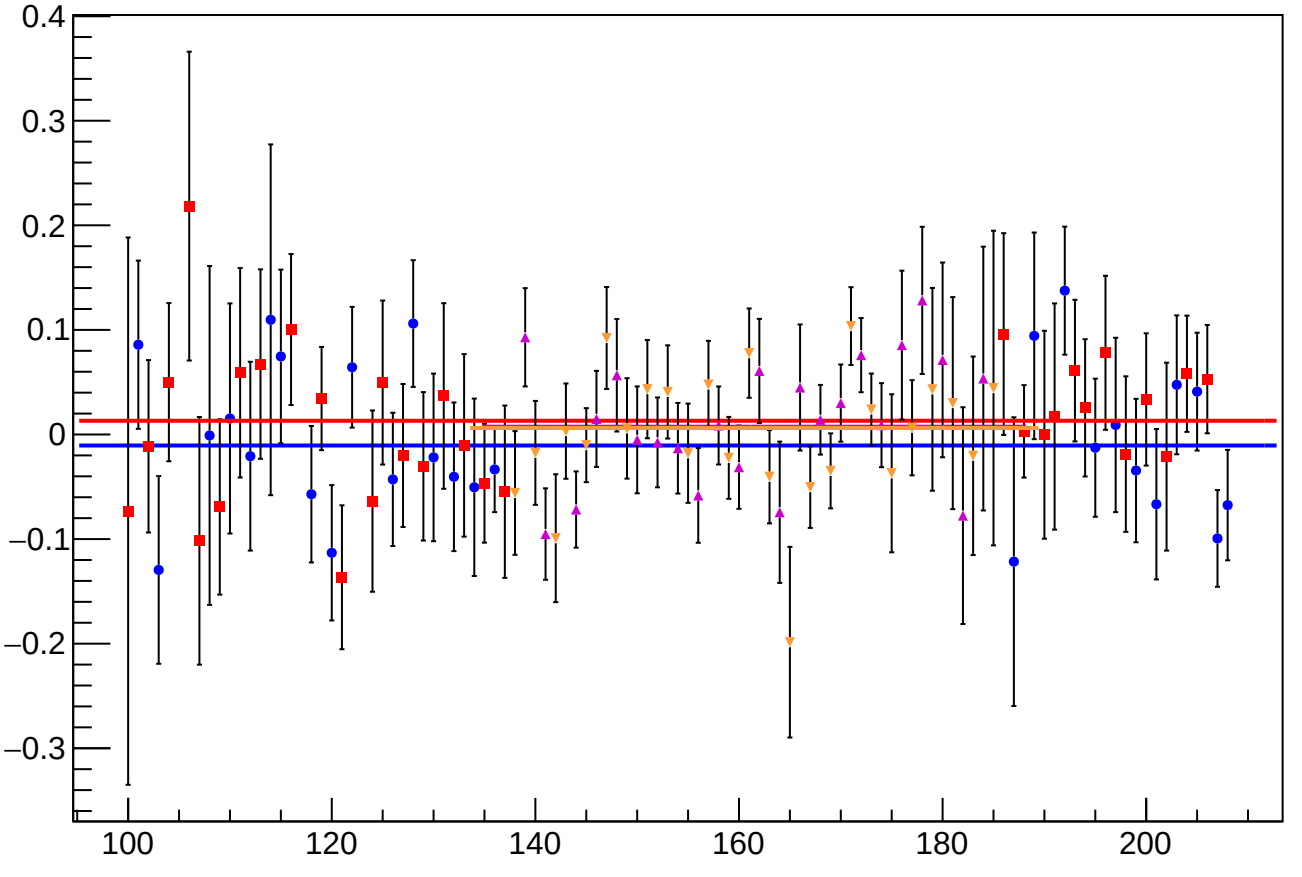
Right: 50.768+/-0.007 χ^2/NDF: 2951093.4/57

In: 43.432+/-0.006 χ^2/NDF:4339414.4/49

Out: 43.806+/-0.005 χ^2/NDF:4787453.8/55

All: 43.622+/-0.004 χ^2/NDF: 9129158.0/105

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

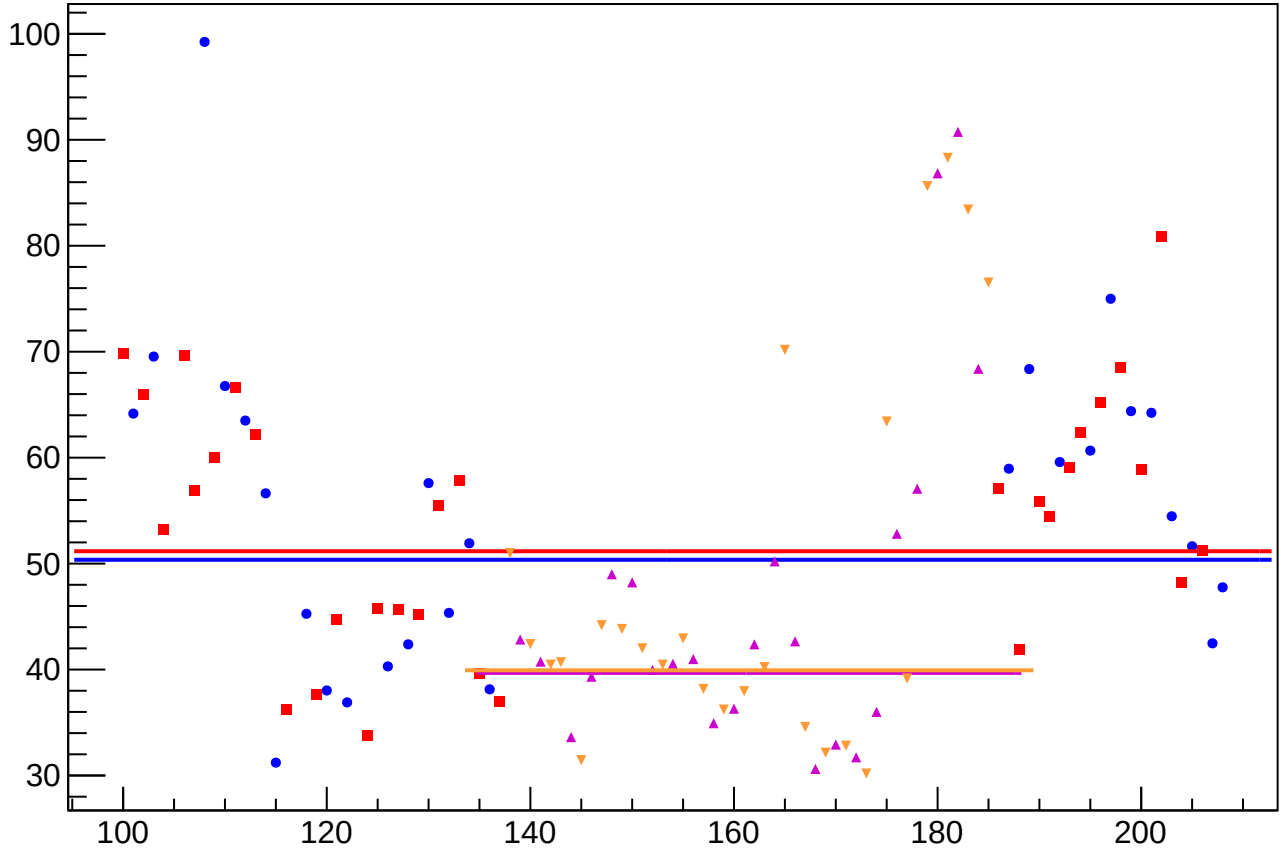
Right: 0.001+/-0.009 χ^2/NDF: 49.3/57

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.005+/-0.006 χ^2/NDF: 110.7/105

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

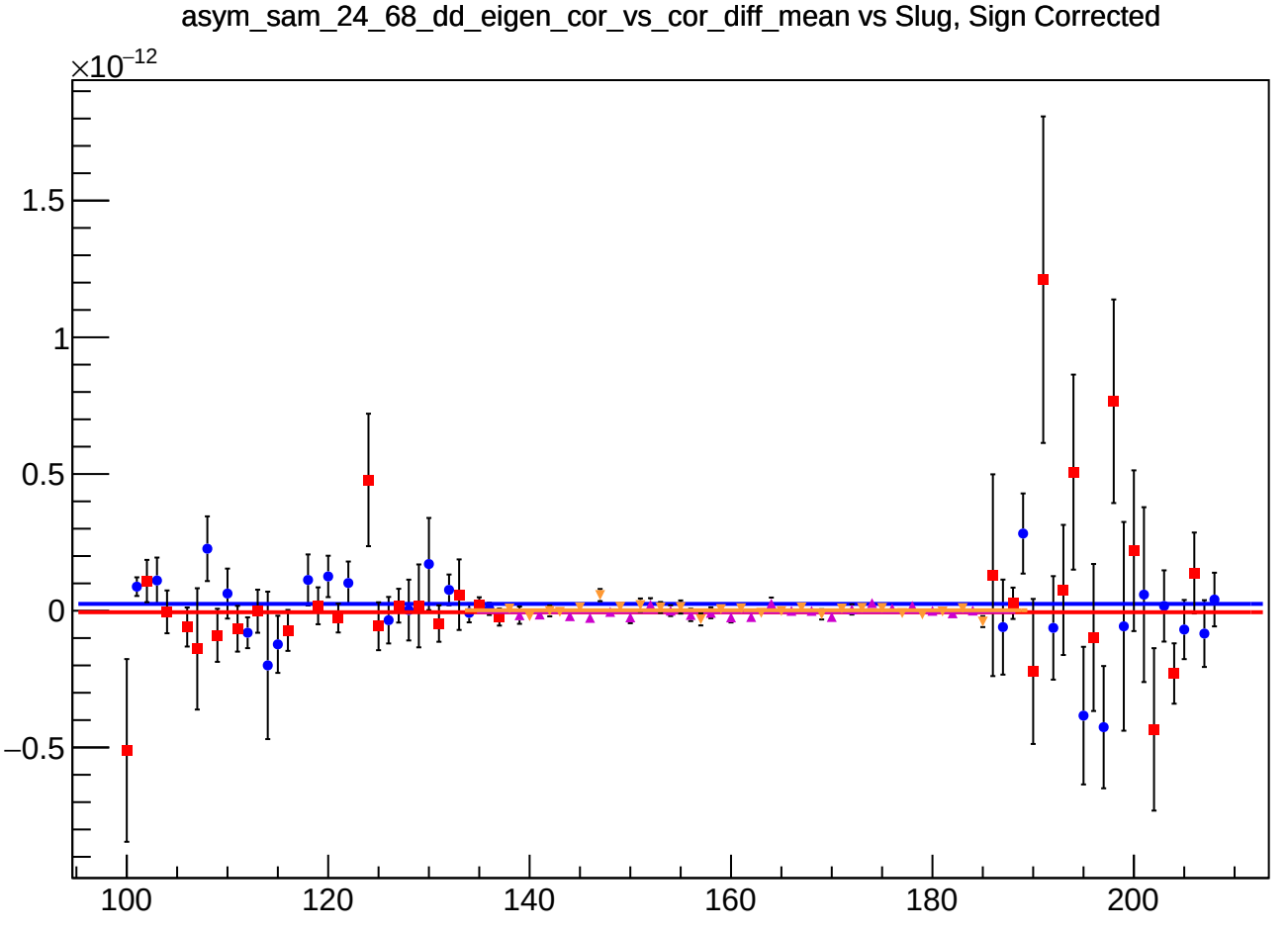
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.768+/-0.007 χ^2/NDF: 2951093.4/57

In: 43.432+/-0.006 χ^2/NDF:4339414.4/49

Out: 43.806+/-0.005 χ^2/NDF:4787453.8/55

All: 43.622+/-0.004 χ^2/NDF: 9129158.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/30

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

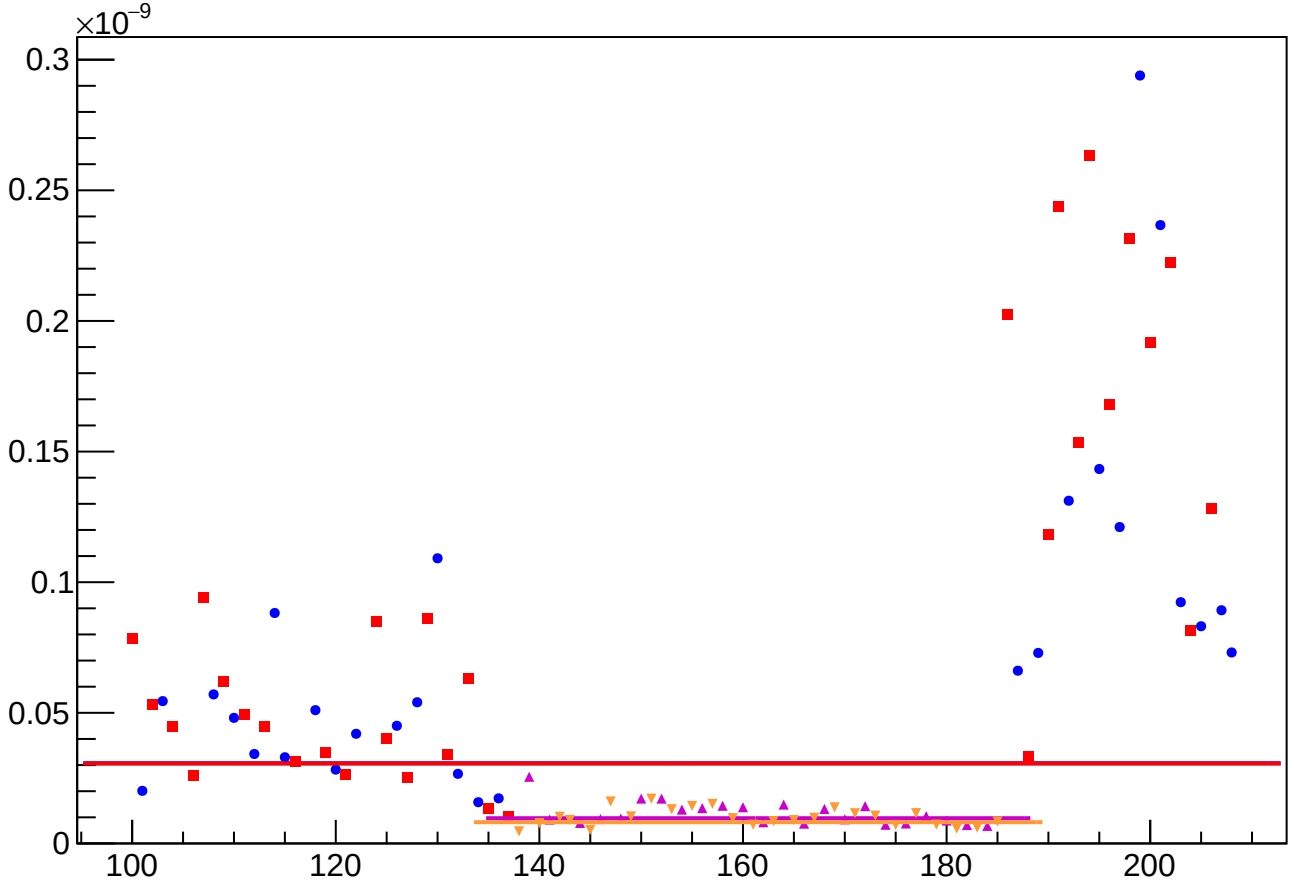
Right: 0.000+/-0.000 χ^2/NDF: 69.4/57

In: -0.000+/-0.000 χ^2/NDF:65.1/49

Out: 0.000+/-0.000 χ^2/NDF:62.1/55

All: -0.000+/-0.000 χ^2/NDF: 128.2/105

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7516956.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9155716.5/30

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

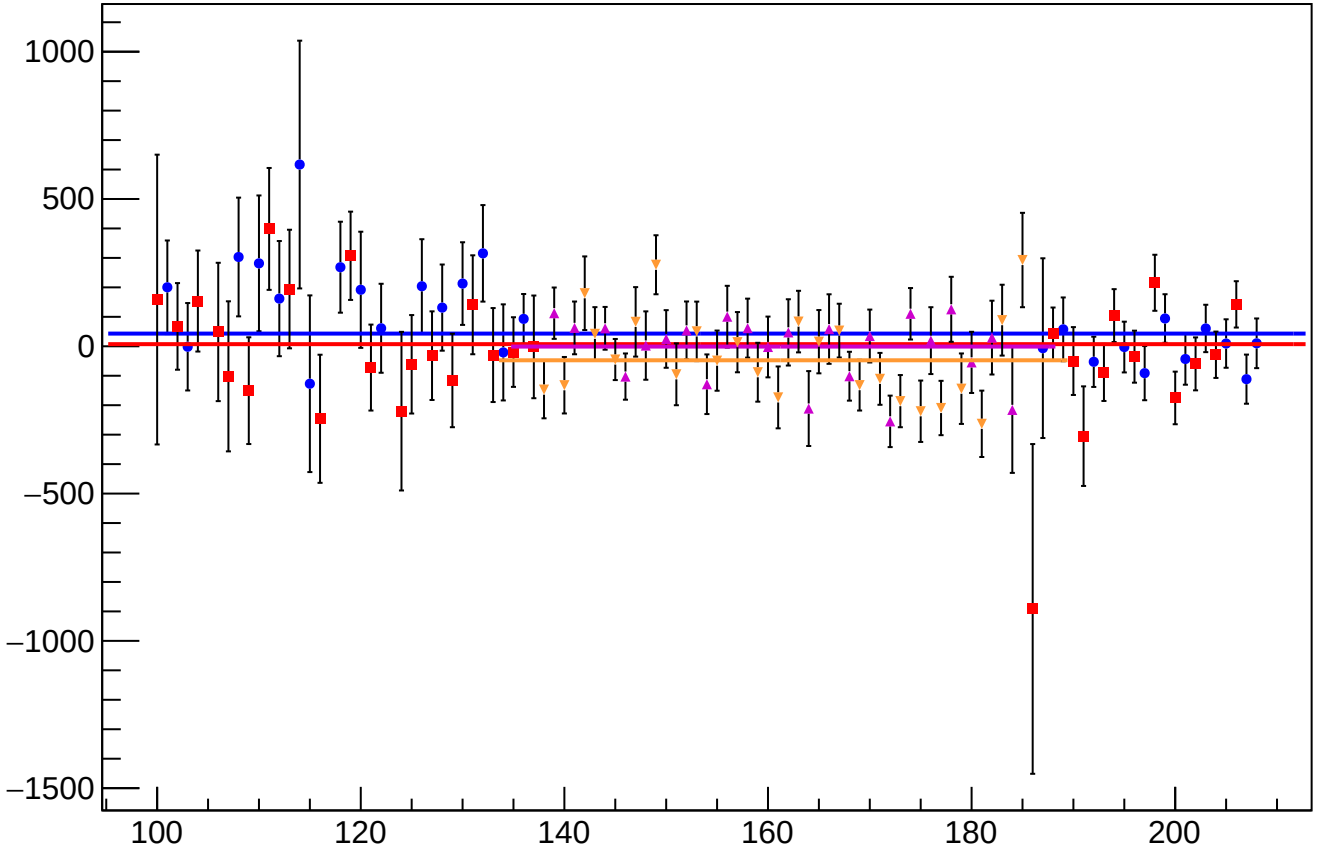
Right: 0.000+/-0.000 χ^2/NDF: 16672698.0/57

In: 0.000+/-0.000 χ^2/NDF:14602925.3/49

Out: 0.000+/-0.000 χ^2/NDF:16765788.6/55

All: 0.000+/-0.000 χ^2/NDF: 31813597.2/105

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 43.082+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 7.237+/-22.927 χ^2/NDF: 35.8/30

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

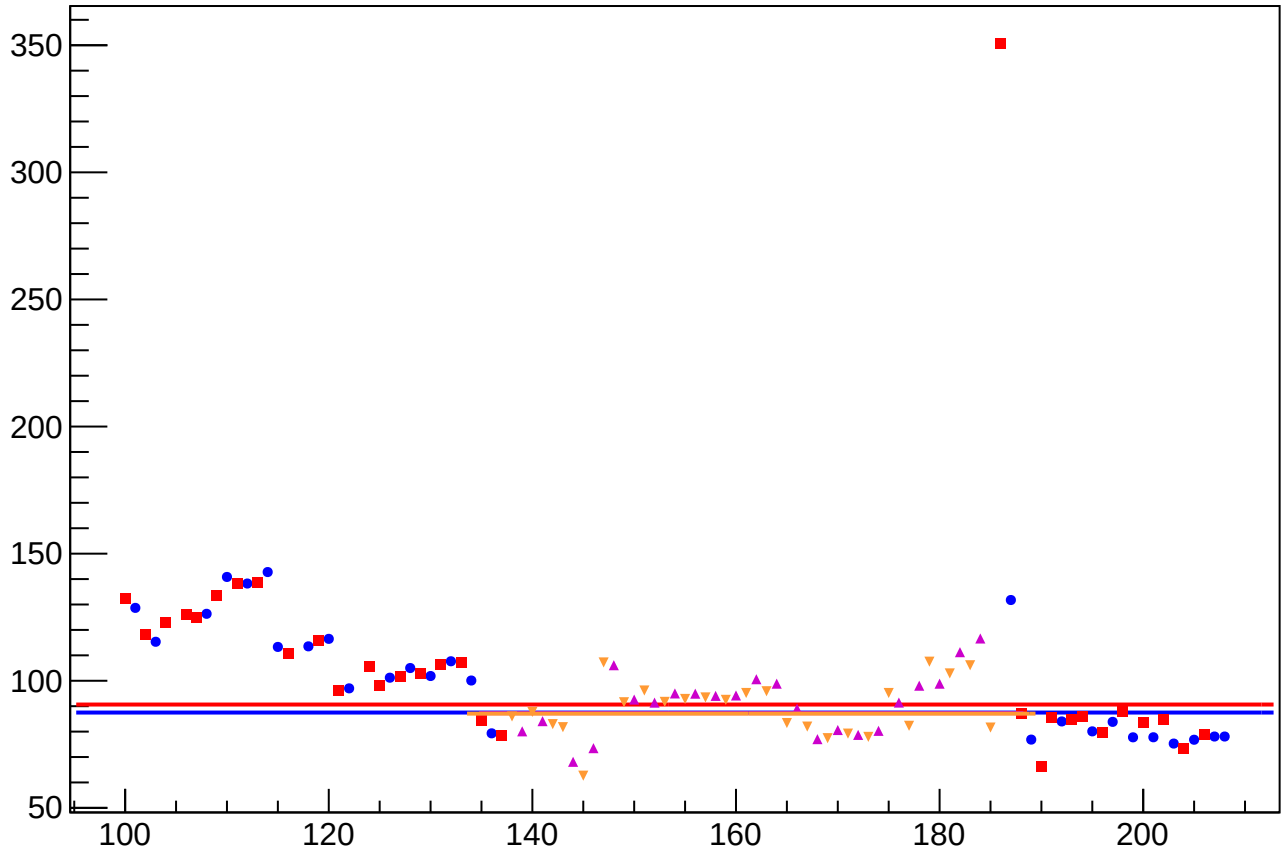
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 25.549+/-16.035 χ^2/NDF: 61.1/57

In: 19.177+/-15.175 χ^2/NDF:51.6/49

Out: -23.883+/-15.064 χ^2/NDF:83.0/55

All: -2.510+/-10.691 χ^2/NDF: 138.7/105



Right In: 87.497+/-0.016 χ^2/NDF: 1069895.7/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 90.649+/-0.016 χ^2/NDF: 1472651.3/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

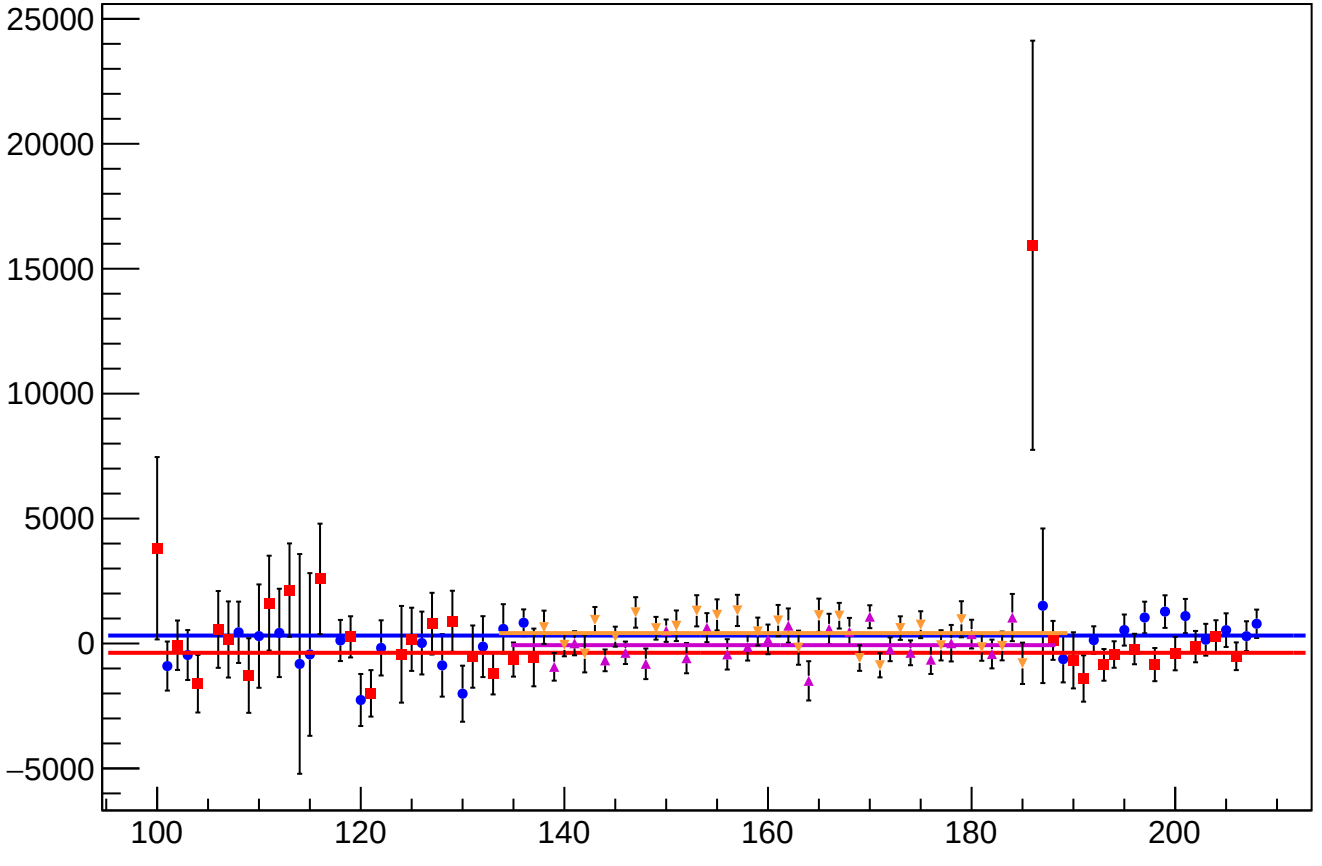
Right: 89.039+/-0.011 χ^2/NDF: 2561847.8/57

In: 87.367+/-0.011 χ^2/NDF:1665813.8/49

Out: 88.616+/-0.011 χ^2/NDF:2120940.0/55

All: 87.996+/-0.008 χ^2/NDF: 3793579.2/105

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 318.001+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -372.230+/-160.742 χ^2/NDF: 23.1/30

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

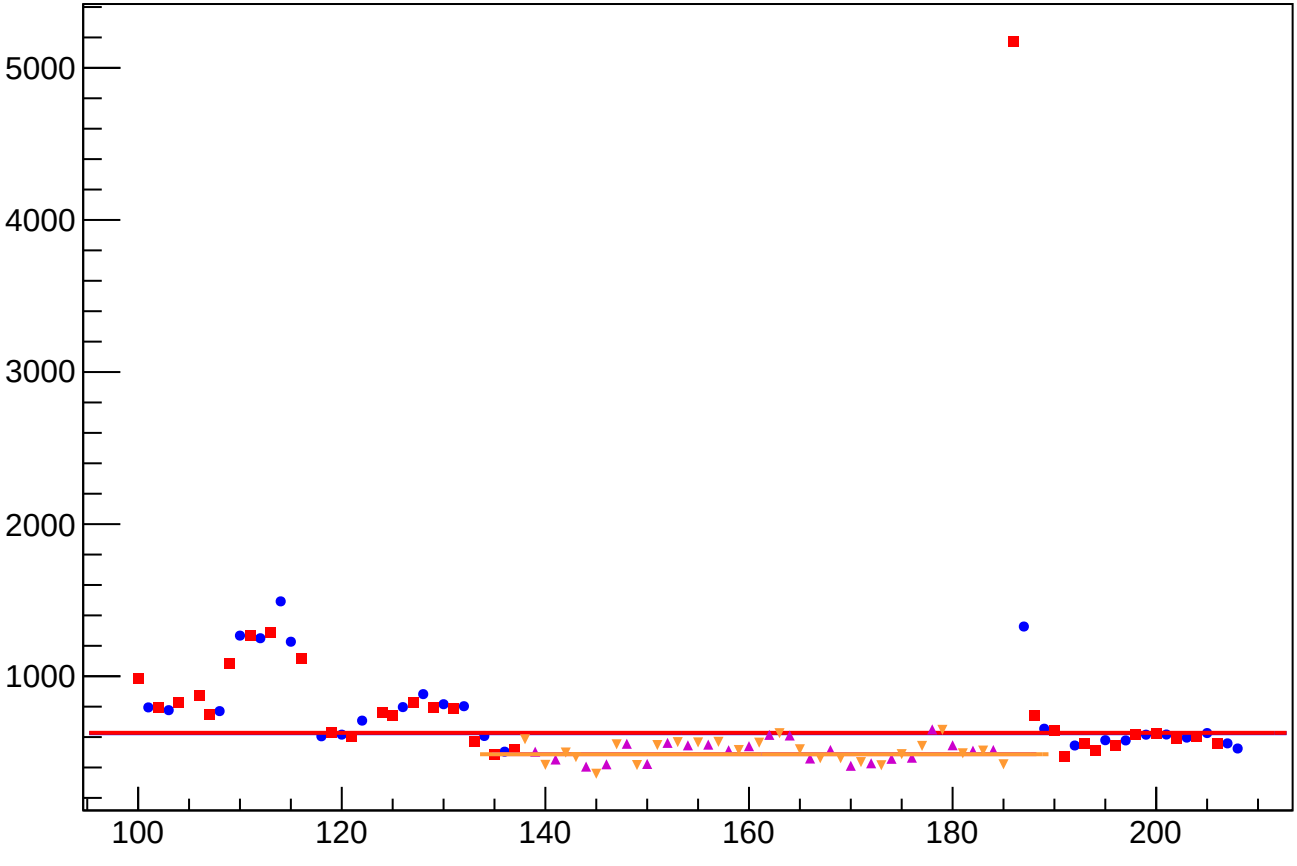
Right: -27.918+/-113.794 χ^2/NDF: 54.4/57

In: 63.784+/-93.828 χ^2/NDF:53.4/49

Out: 157.637+/-92.079 χ^2/NDF:71.7/55

All: 111.593+/-65.719 χ^2/NDF: 125.6/105

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 625.482+/-0.114 χ^2/NDF: 1321474.6/26

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.883+/-0.114 χ^2/NDF: 2147851.8/30

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

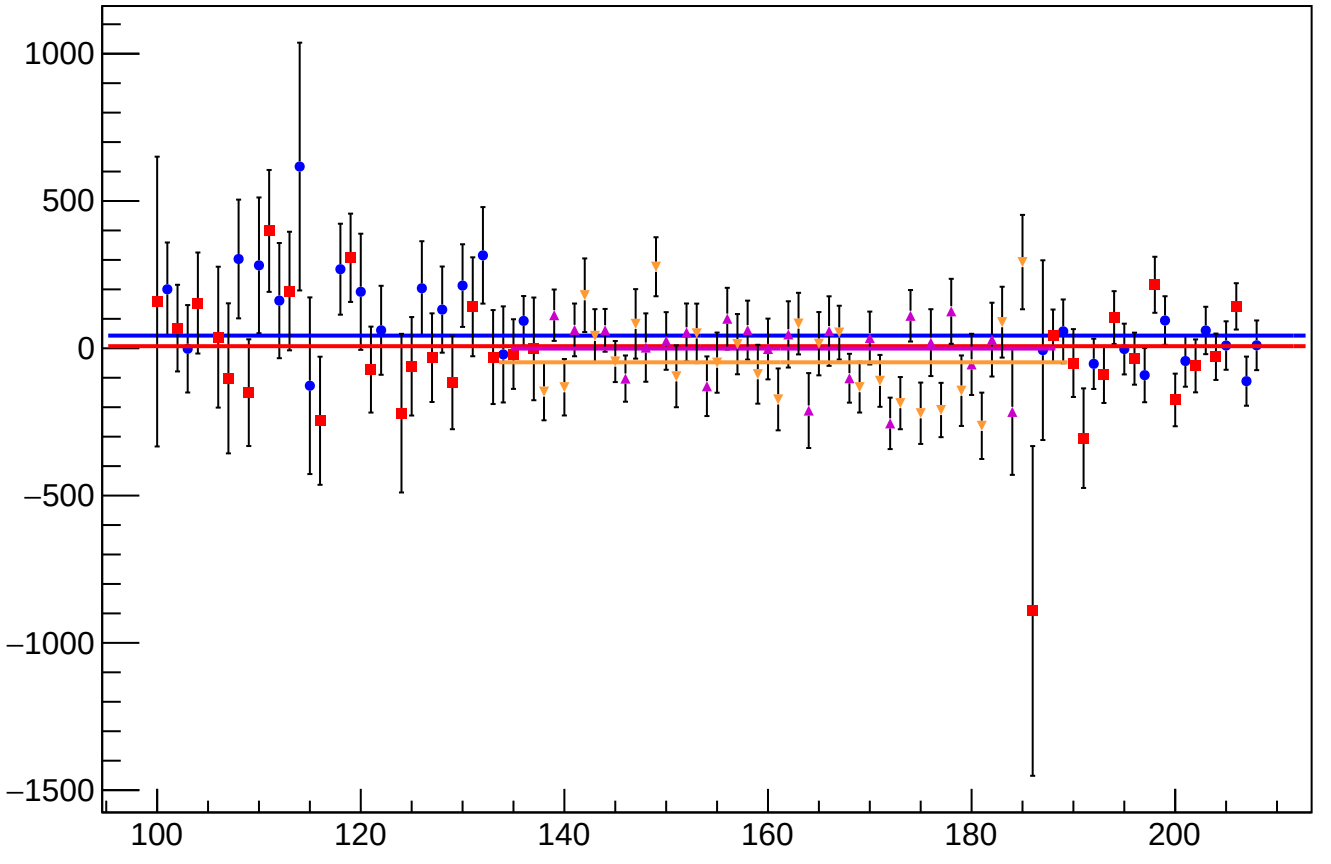
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 626.685+/-0.080 χ^2/NDF: 3469548.8/57

In: 534.580+/-0.066 χ^2/NDF:2919102.3/49

Out: 533.283+/-0.065 χ^2/NDF:4000134.9/55

All: 533.919+/-0.046 χ^2/NDF: 6919431.7/105



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 7.147+/-22.931 χ^2/NDF: 35.8/30

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

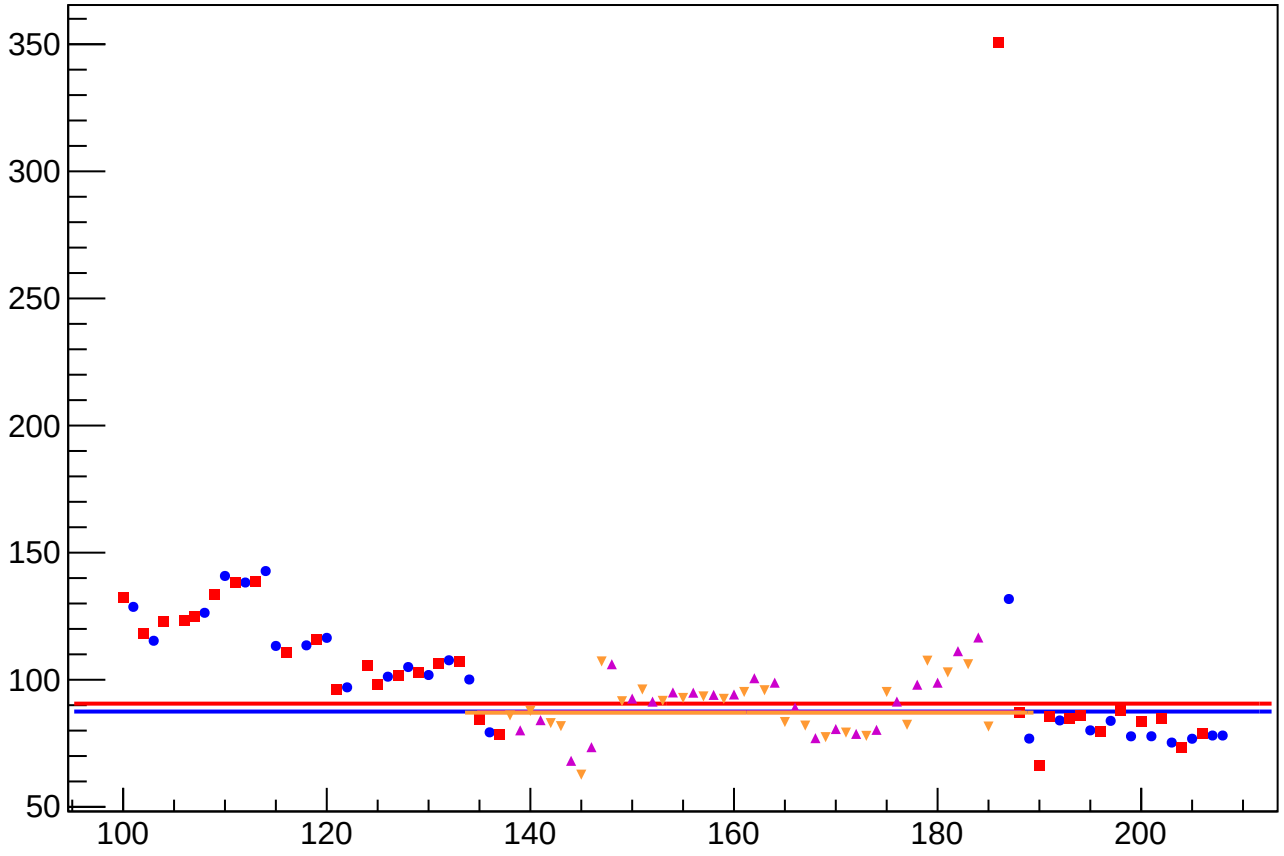
Right: 25.504+/-16.036 χ^2/NDF: 61.1/57

In: 19.172+/-15.175 χ^2/NDF:51.6/49

Out: -23.931+/-15.065 χ^2/NDF:83.0/55

All: -2.535+/-10.691 χ^2/NDF: 138.7/105

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

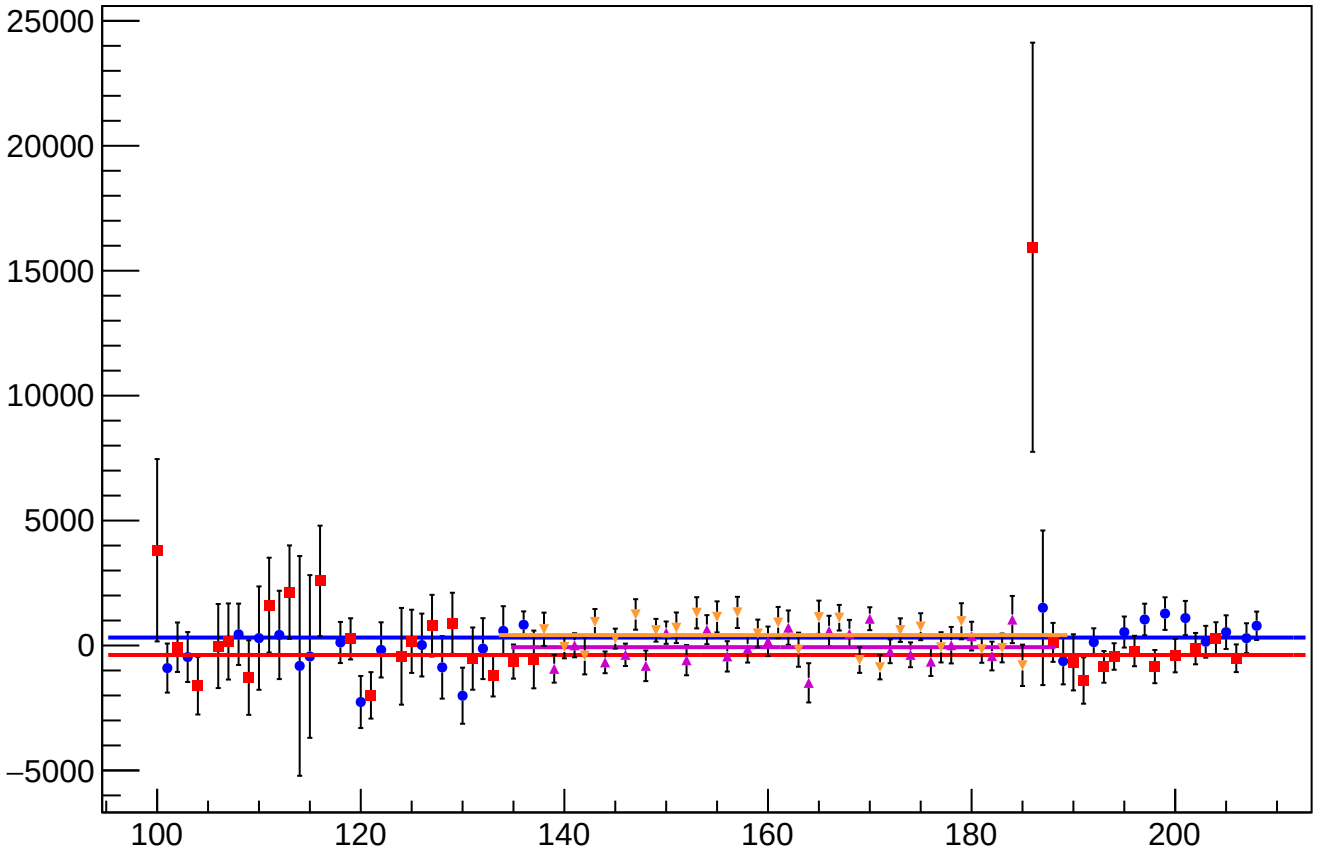
Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

Right: 89.020+/-0.011 χ^2/NDF: 2553141.4/57

In: 87.367+/-0.011 χ^2/NDF:1665814.2/49

Out: 88.599+/-0.011 χ^2/NDF:2112109.9/55

All: 87.987+/-0.008 χ^2/NDF: 3784568.4/105



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

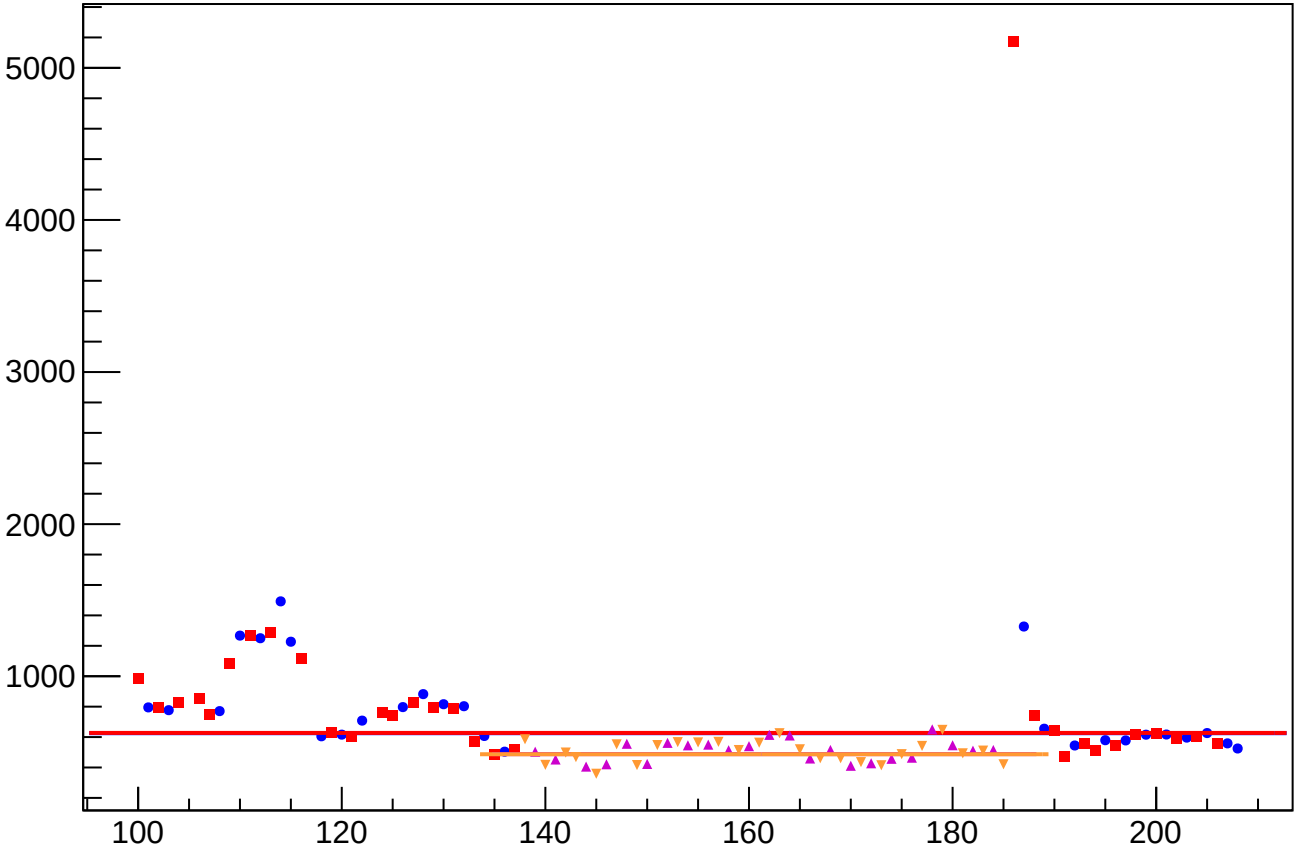
Right: -31.123+/-113.847 χ^2/NDF: 54.3/57

In: 63.784+/-93.828 χ^2/NDF:53.4/49

Out: 155.646+/-92.106 χ^2/NDF:71.7/55

All: 110.565+/-65.729 χ^2/NDF: 125.5/105

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

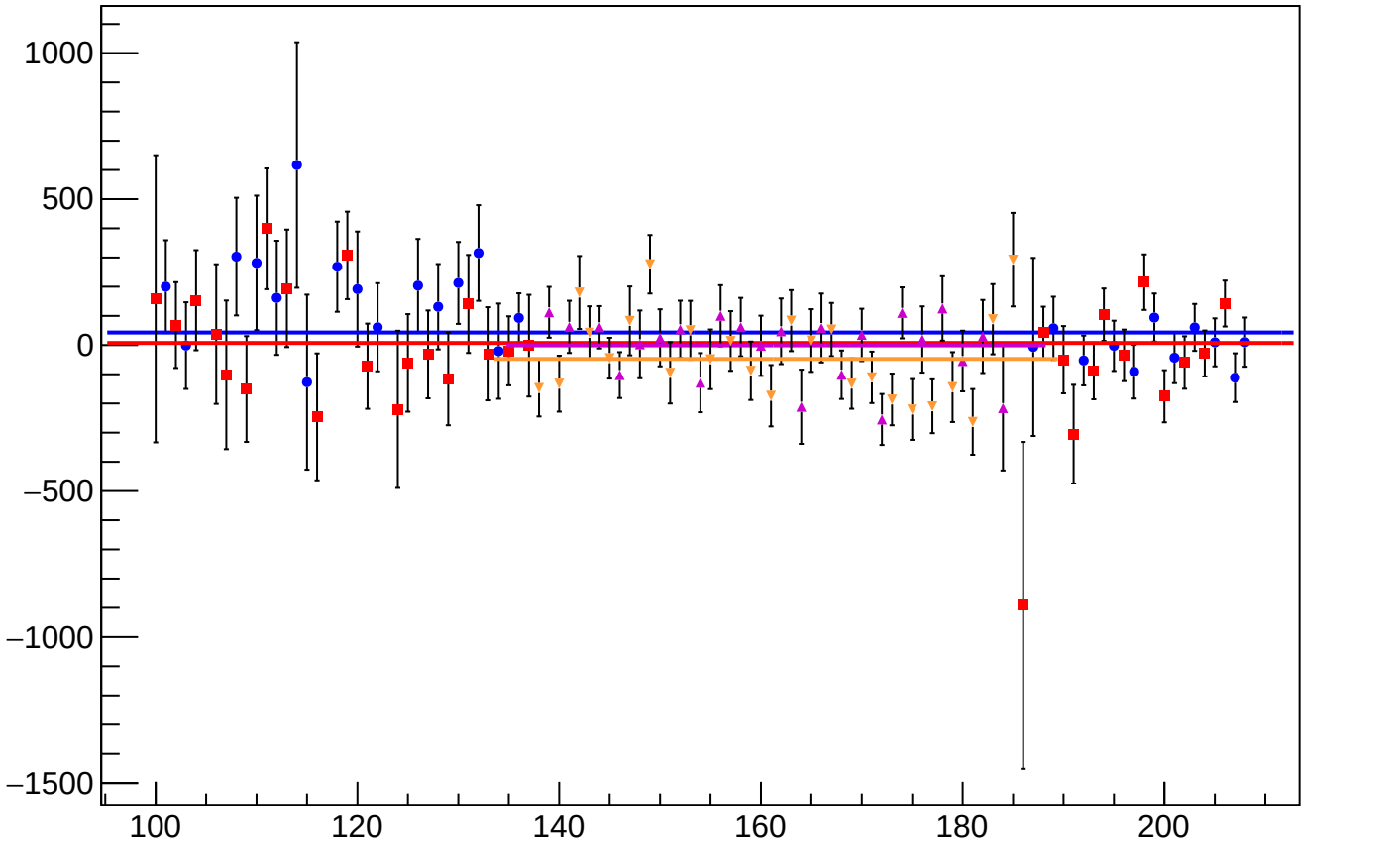
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 626.371+/-0.081 χ^2/NDF: 3454406.8/57

In: 534.580+/-0.066 χ^2/NDF:2919118.8/49

Out: 533.021+/-0.065 χ^2/NDF:3974665.7/55

All: 533.786+/-0.046 χ^2/NDF: 6894065.6/105



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 7.147+/-22.931 χ^2/NDF: 35.8/30

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

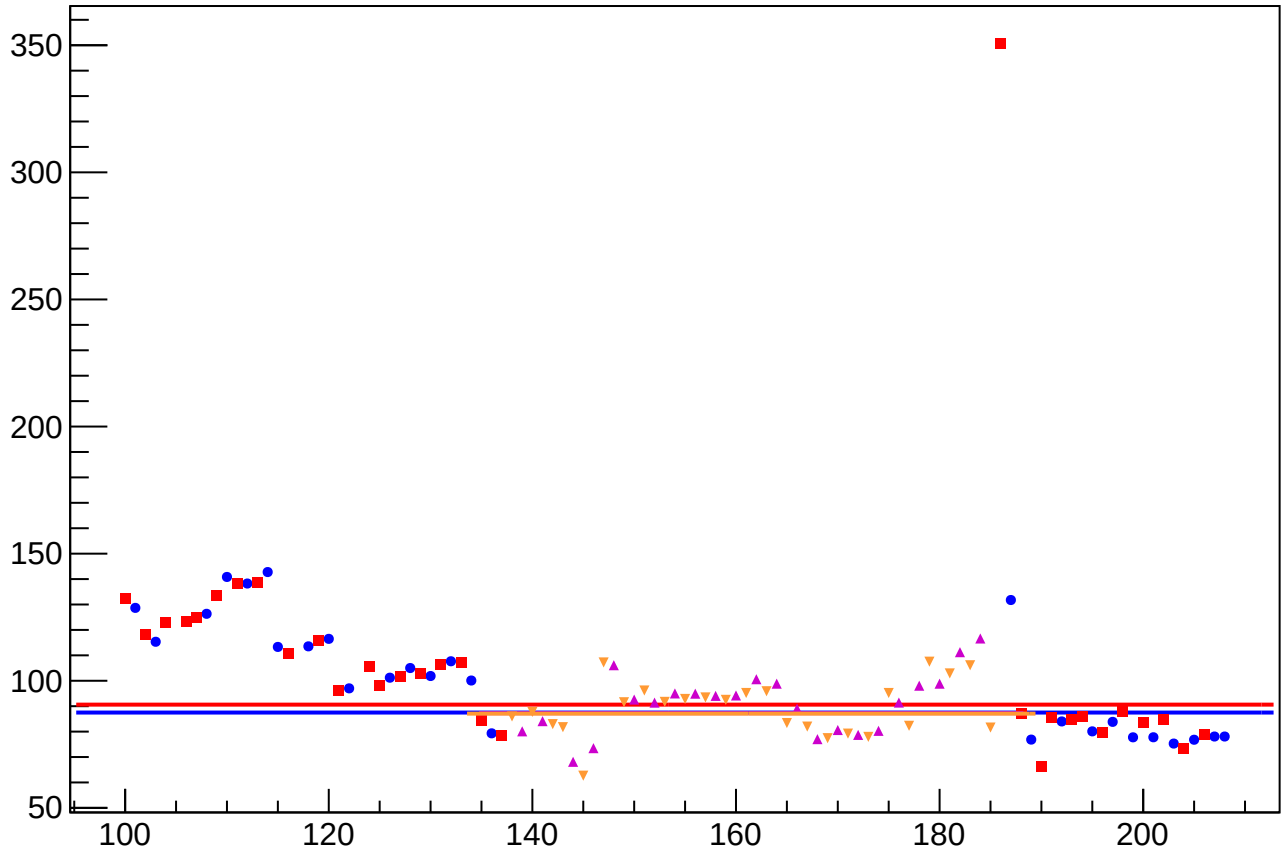
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 25.504+/-16.036 χ^2/NDF: 61.1/57

In: 19.172+/-15.175 χ^2/NDF:51.6/49

Out: -23.931+/-15.065 χ^2/NDF:83.0/55

All: -2.535+/-10.691 χ^2/NDF: 138.7/105



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

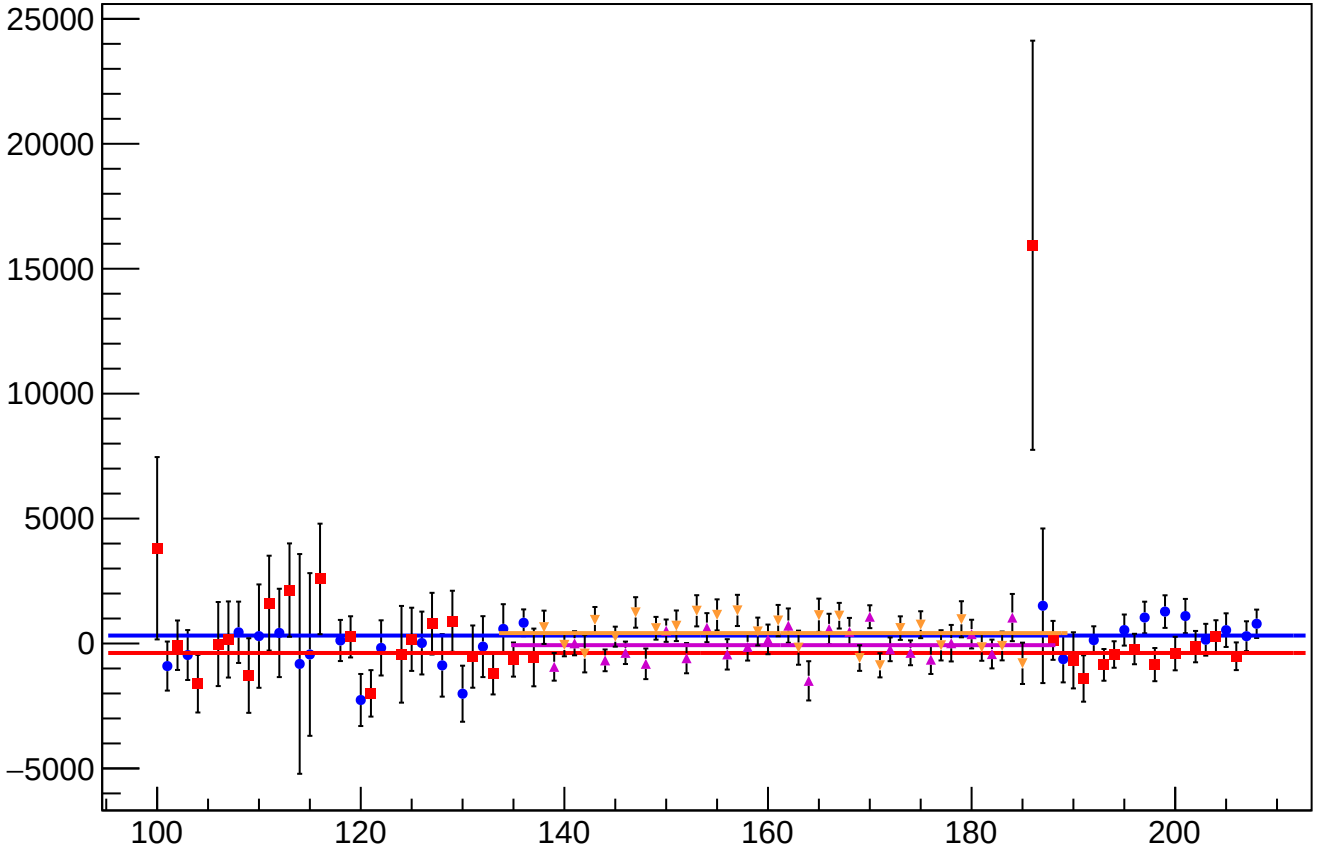
Right: 89.020+/-0.011 χ^2/NDF: 2553141.4/57

In: 87.367+/-0.011 χ^2/NDF:1665814.2/49

Out: 88.599+/-0.011 χ^2/NDF:2112109.9/55

All: 87.987+/-0.008 χ^2/NDF: 3784568.4/105

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

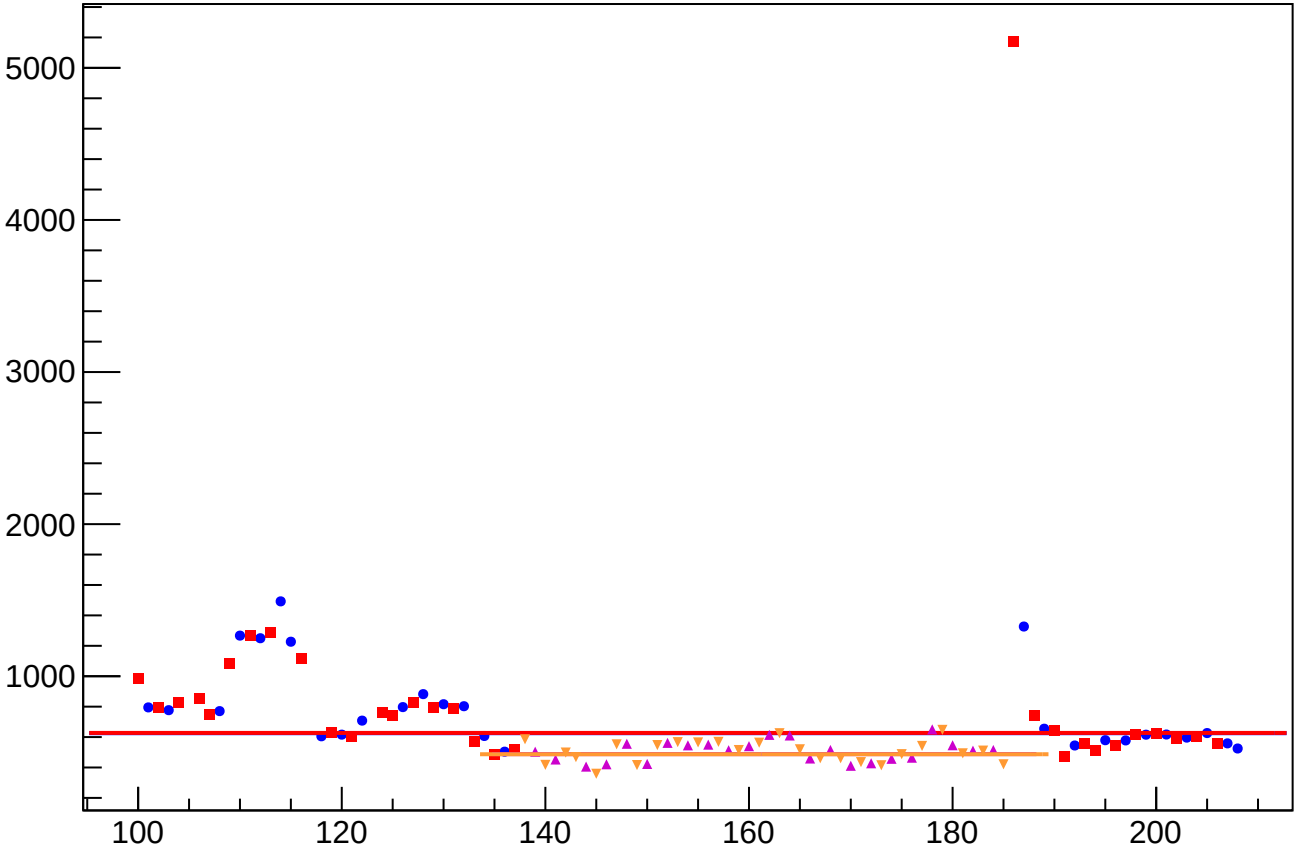
Right: -31.123+/-113.847 χ^2/NDF: 54.3/57

In: 63.784+/-93.828 χ^2/NDF:53.4/49

Out: 155.646+/-92.106 χ^2/NDF:71.7/55

All: 110.565+/-65.729 χ^2/NDF: 125.5/105

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

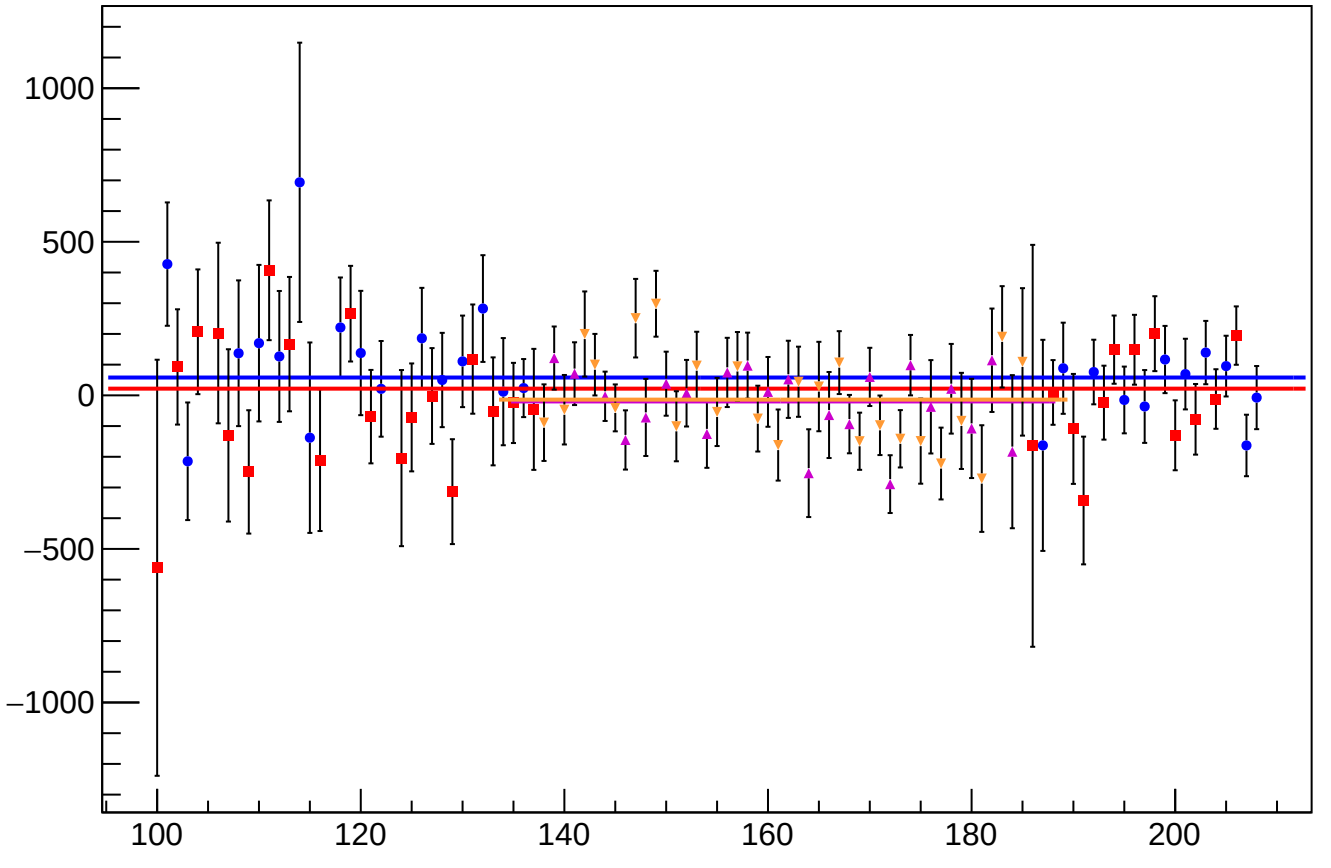
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 626.371+/-0.081 χ^2/NDF: 3454406.8/57

In: 534.580+/-0.066 χ^2/NDF:2919118.8/49

Out: 533.021+/-0.065 χ^2/NDF:3974665.7/55

All: 533.786+/-0.046 χ^2/NDF: 6894065.6/105



Right In: 58.059+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 21.831+/-27.451 χ^2/NDF: 31.4/30

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

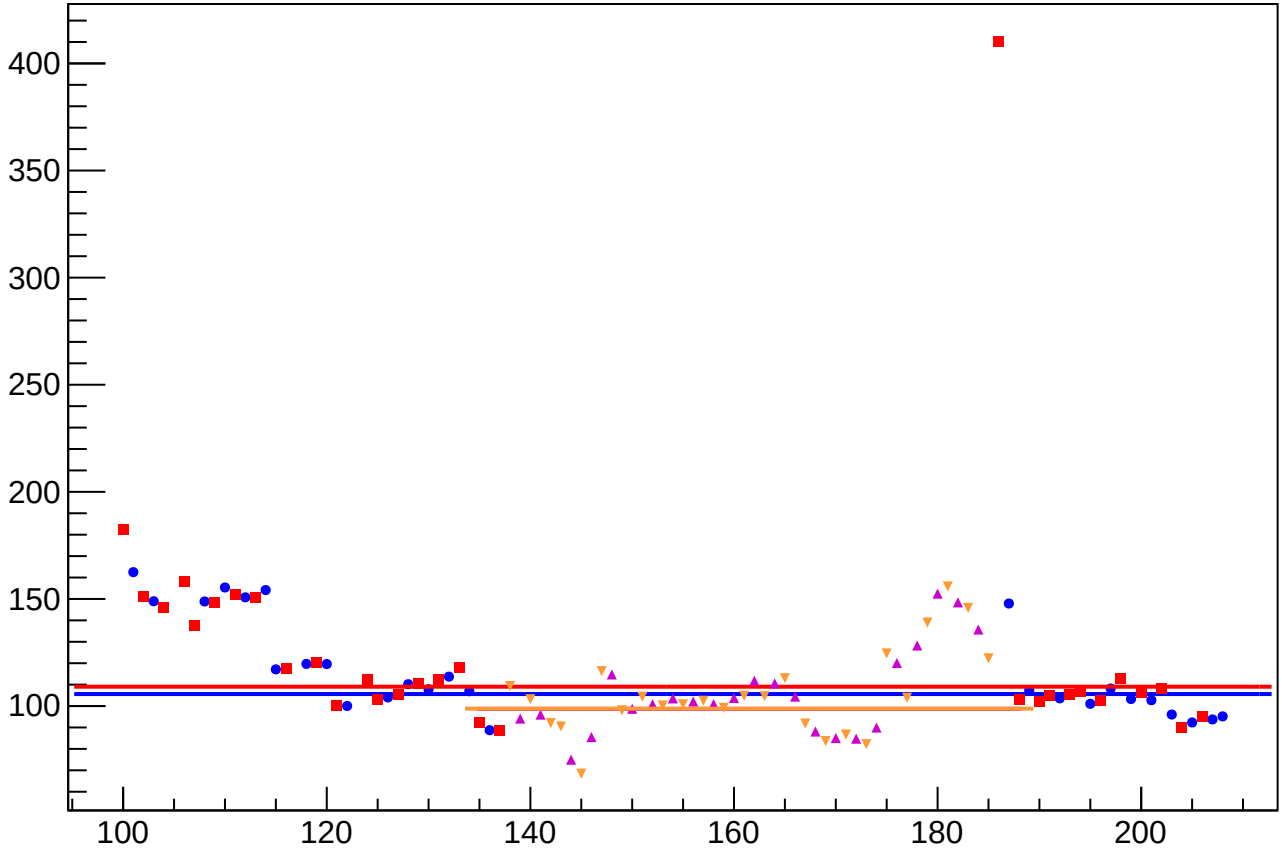
Right: 40.287+/-19.227 χ^2/NDF: 52.1/57

In: 13.961+/-17.739 χ^2/NDF:47.9/49

Out: 0.772+/-17.592 χ^2/NDF:68.7/55

All: 7.311+/-12.491 χ^2/NDF: 117.0/105

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.602+/-0.019 χ^2/NDF: 758185.2/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 109.039+/-0.019 χ^2/NDF: 1138387.2/30

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

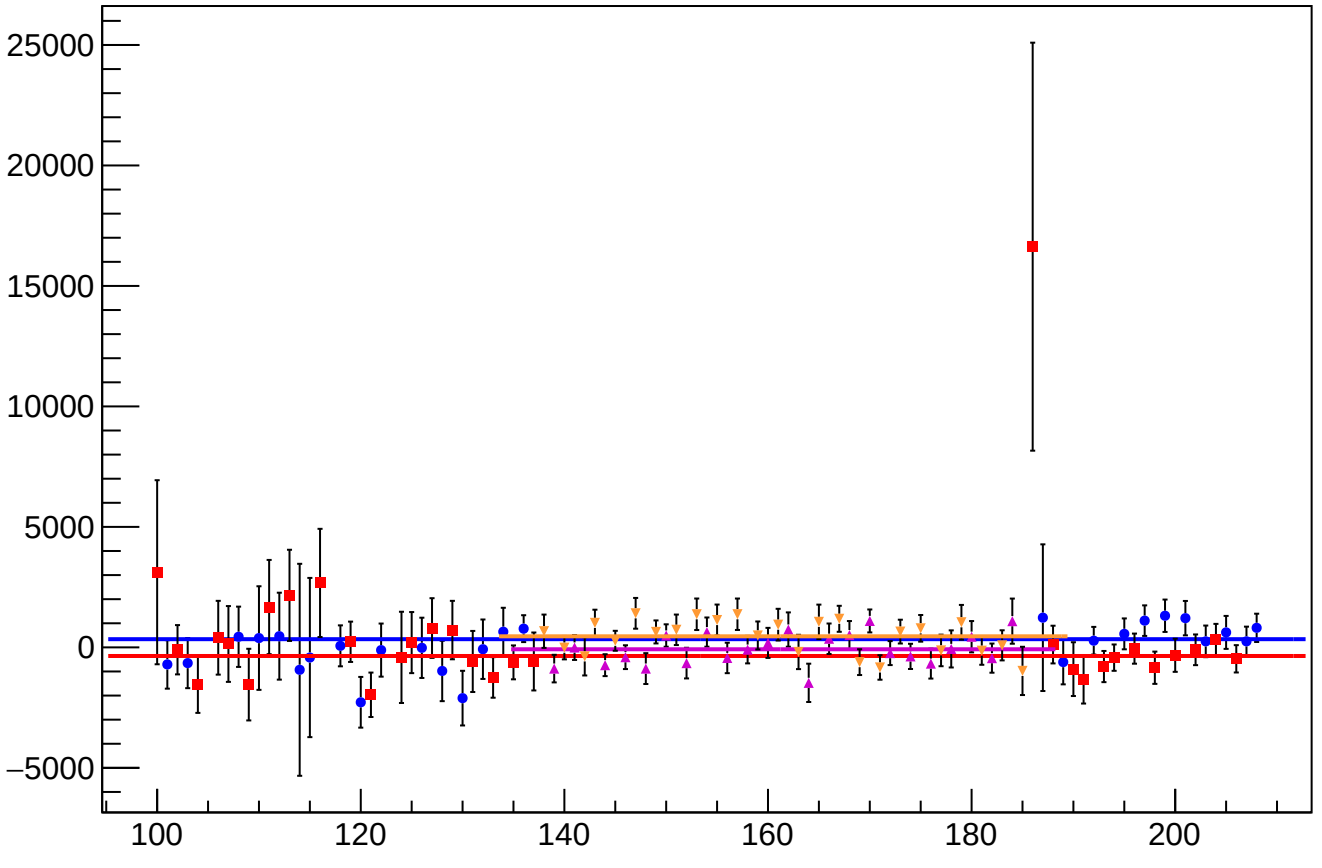
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 107.288+/-0.014 χ^2/NDF: 1912543.0/57

In: 101.678+/-0.013 χ^2/NDF:1820952.0/49

Out: 103.004+/-0.012 χ^2/NDF:2488200.1/55

All: 102.346+/-0.009 χ^2/NDF: 4314790.3/105



Right In: 340.252+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -357.508+/-163.604 χ^2/NDF: 22.4/30

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

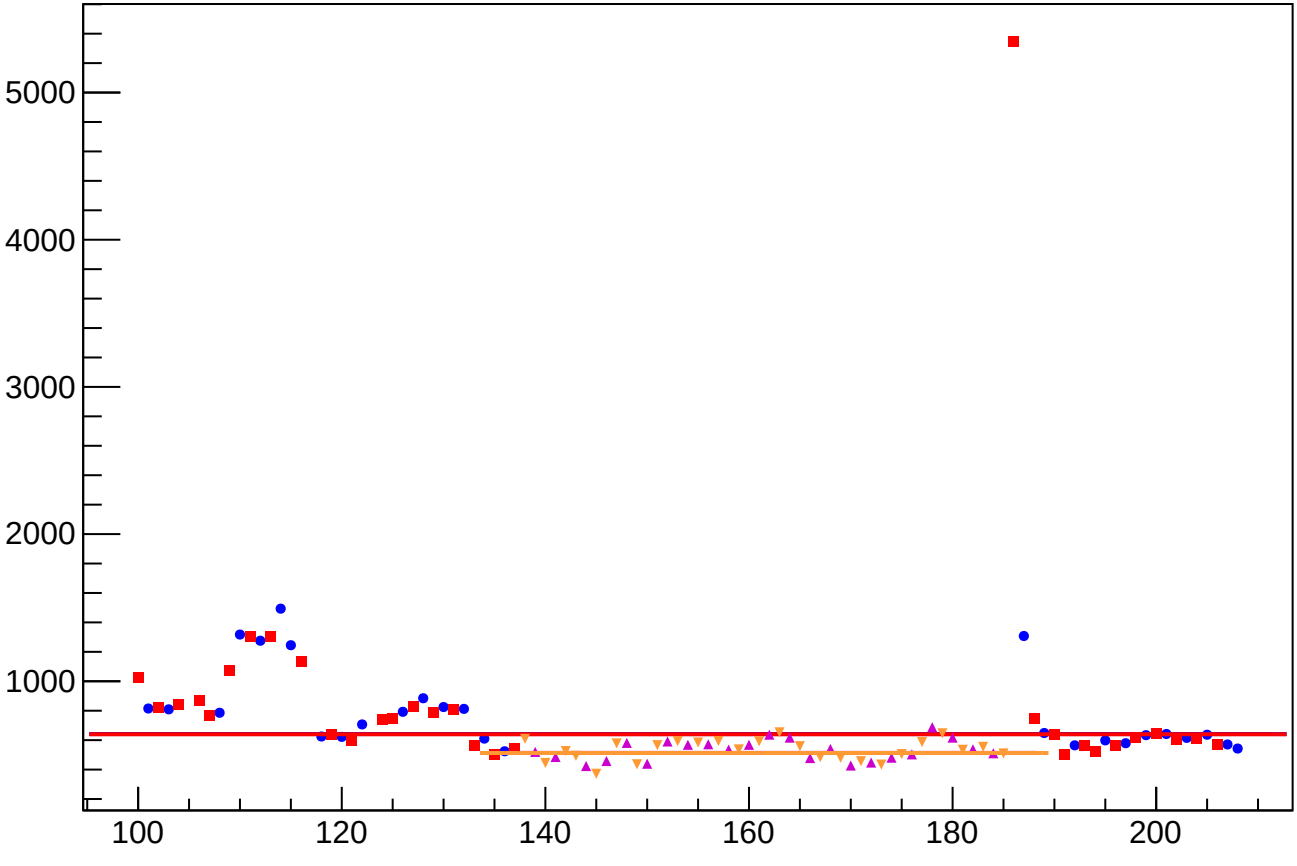
Right: -11.573+/-116.173 χ^2/NDF: 53.9/57

In: 68.451+/-97.802 χ^2/NDF:52.9/49

Out: 179.310+/-95.763 χ^2/NDF:69.6/55

All: 125.047+/-68.424 χ^2/NDF: 123.1/105

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 641.338+/-0.117 χ^2/NDF: 1265128.9/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 640.031+/-0.116 χ^2/NDF: 2080040.0/30

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

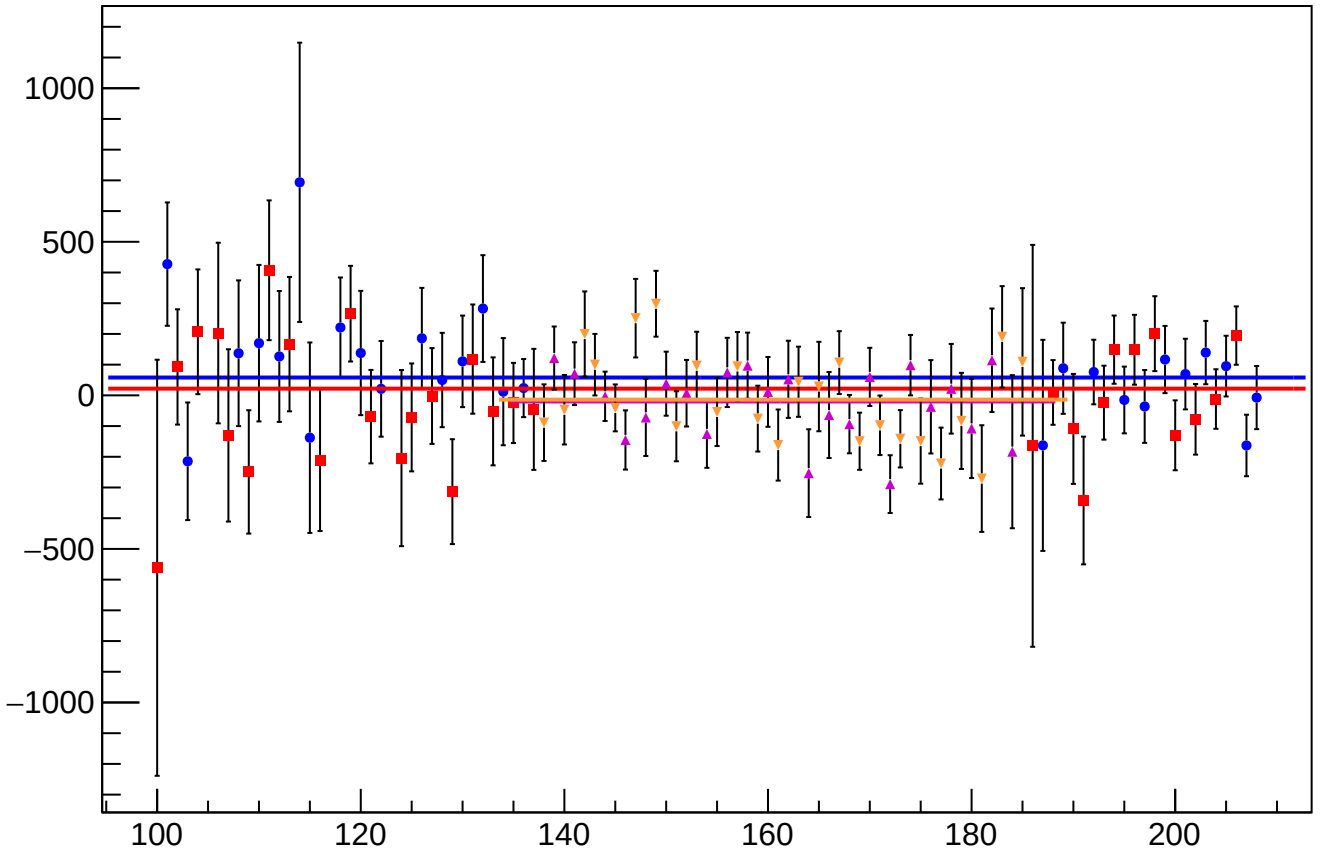
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 640.679+/-0.082 χ^2/NDF: 3345232.1/57

In: 558.338+/-0.069 χ^2/NDF:2679454.0/49

Out: 556.371+/-0.068 χ^2/NDF:3674817.4/55

All: 557.334+/-0.048 χ^2/NDF: 6354684.3/105



Right In: 58.058+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 21.832+/-27.451 χ^2/NDF: 31.4/30

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

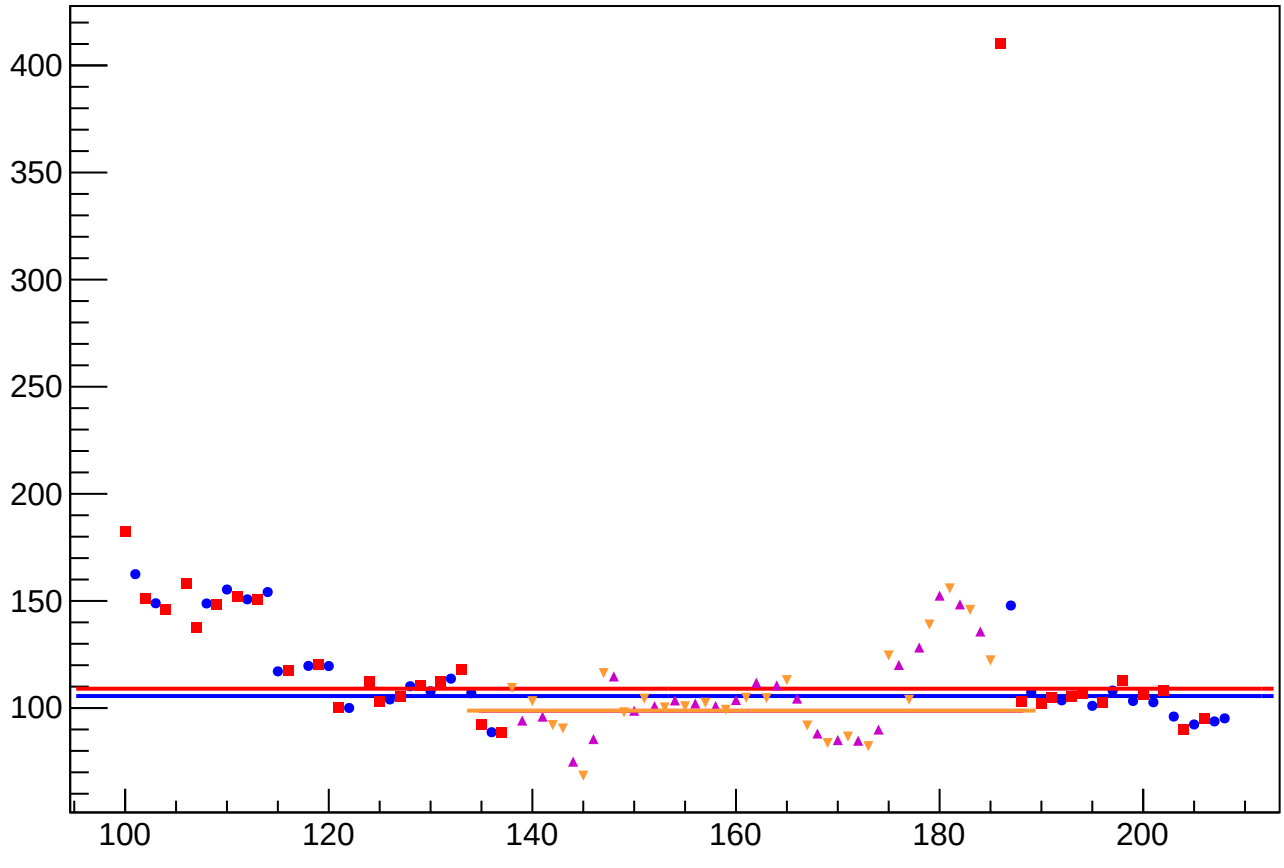
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 40.287+/-19.227 χ^2/NDF: 52.1/57

In: 13.960+/-17.739 χ^2/NDF:47.9/49

Out: 0.771+/-17.592 χ^2/NDF:68.7/55

All: 7.311+/-12.491 χ^2/NDF: 117.0/105



Right In: 105.602+/-0.019 χ^2/NDF: 758175.8/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 109.039+/-0.019 χ^2/NDF: 1138373.7/30

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

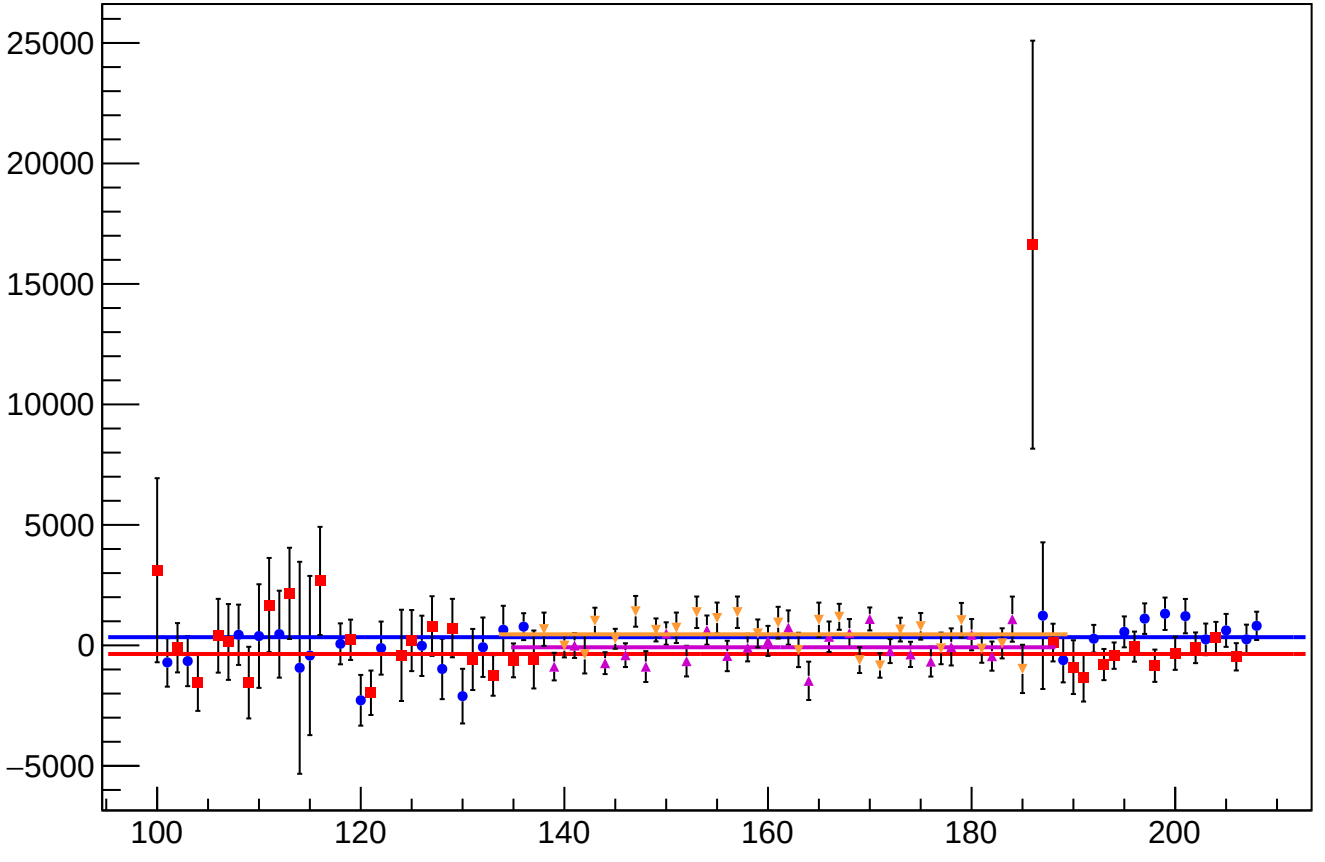
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 107.288+/-0.014 χ^2/NDF: 1912520.3/57

In: 101.678+/-0.013 χ^2/NDF:1820935.7/49

Out: 103.004+/-0.012 χ^2/NDF:2488194.8/55

All: 102.346+/-0.009 χ^2/NDF: 4314768.5/105



Right In: 340.251+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -357.507+/-163.604 χ^2/NDF: 22.4/30

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

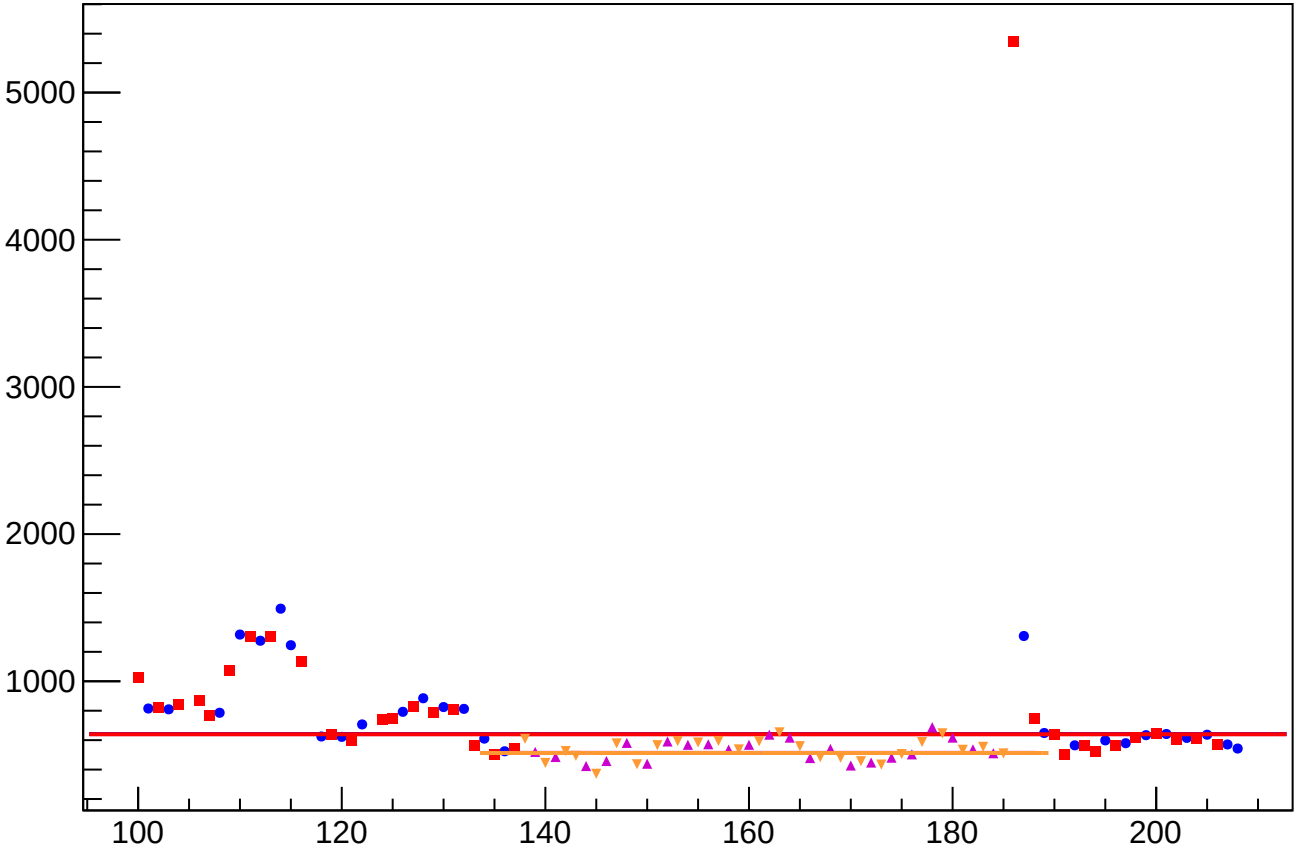
Right: -11.573+/-116.172 χ^2/NDF: 53.9/57

In: 68.451+/-97.801 χ^2/NDF:52.9/49

Out: 179.309+/-95.763 χ^2/NDF:69.6/55

All: 125.047+/-68.424 χ^2/NDF: 123.1/105

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 641.337+/-0.117 χ^2/NDF: 1265125.5/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 640.030+/-0.116 χ^2/NDF: 2080036.2/30

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

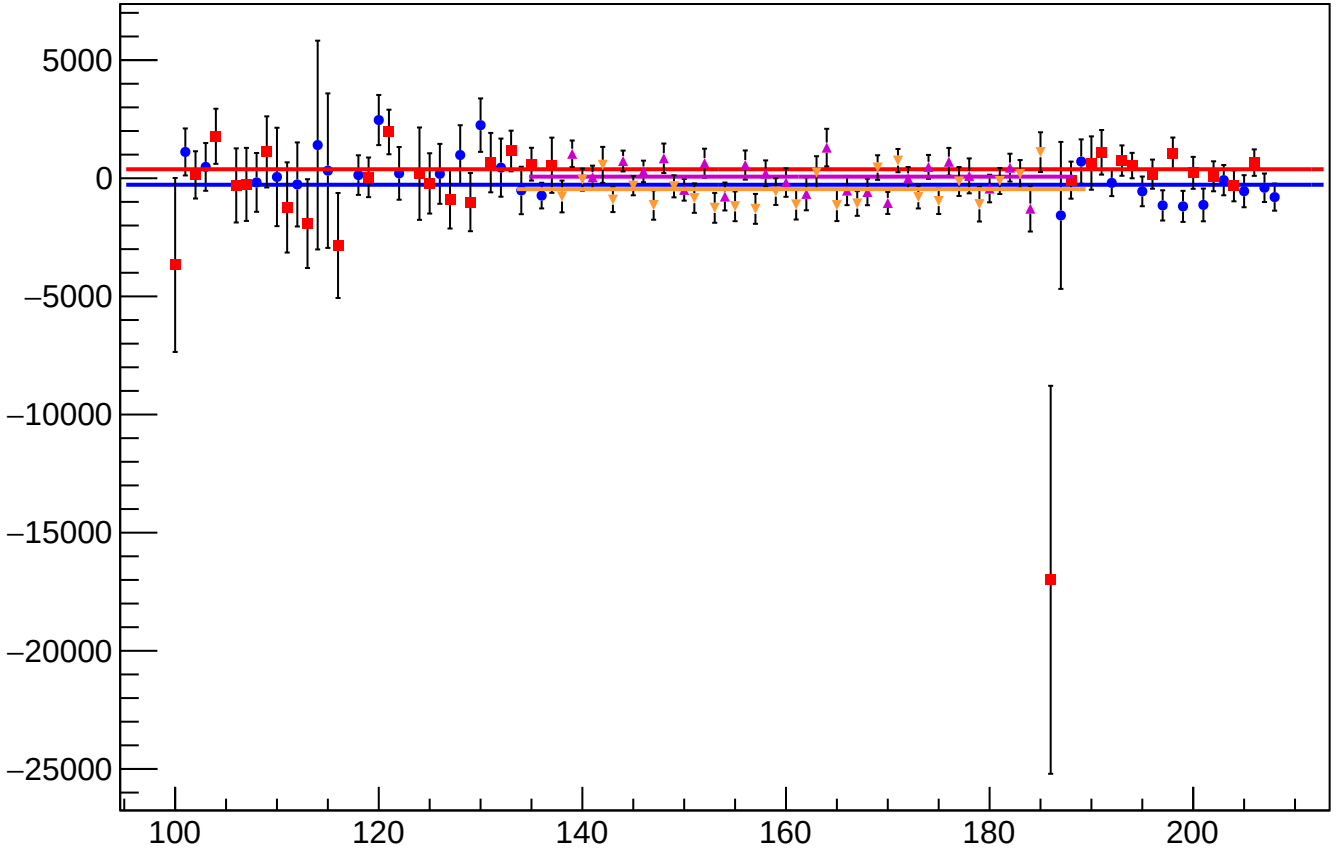
Right: 640.678+/-0.082 χ^2/NDF: 3345225.1/57

In: 558.338+/-0.069 χ^2/NDF:2679441.6/49

Out: 556.371+/-0.068 χ^2/NDF:3674803.1/55

All: 557.333+/-0.048 χ^2/NDF: 6354657.7/105

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -274.831+/-162.843 χ^2/NDF: 25.0/26

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 381.295+/-162.588 χ^2/NDF: 22.7/30

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

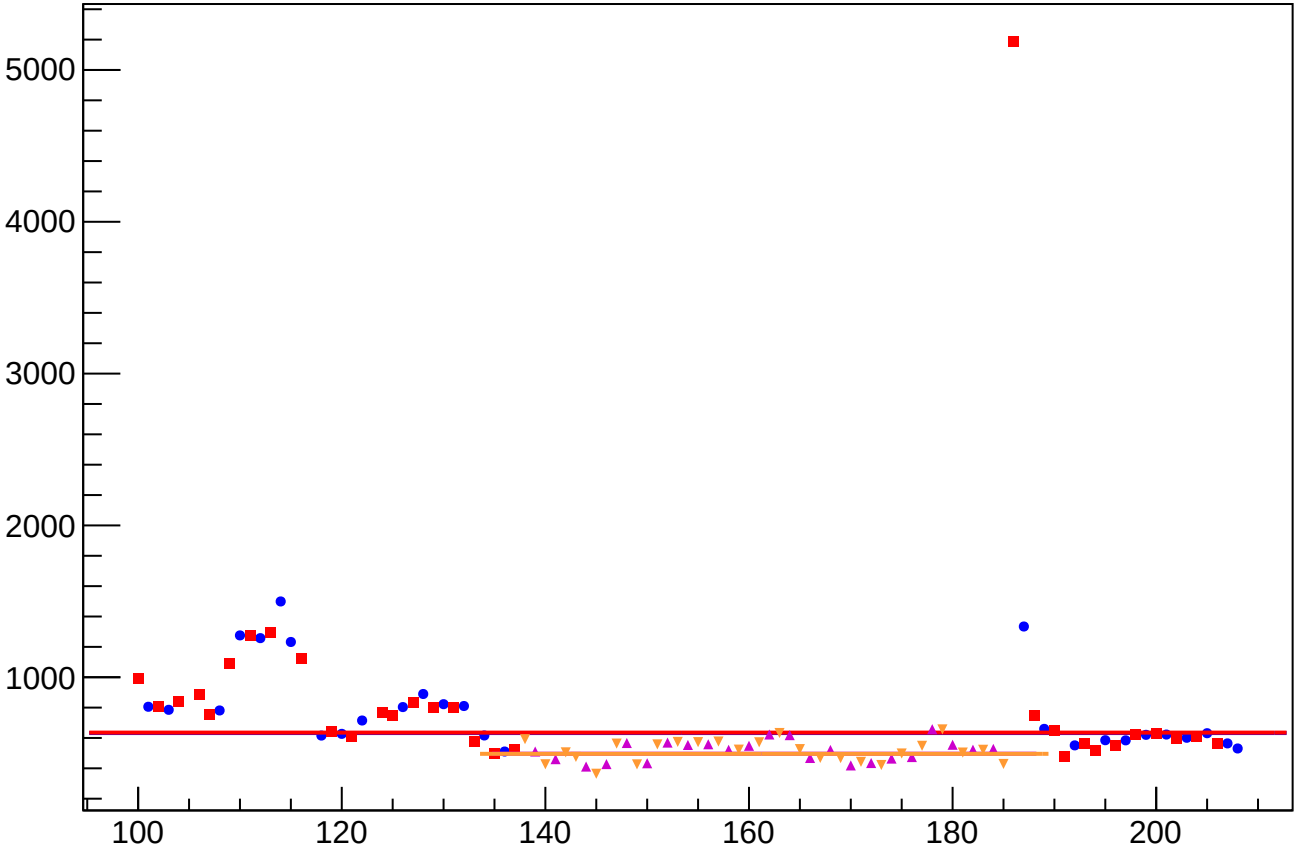
Right: 53.746+/-115.057 χ^2/NDF: 55.9/57

In: -49.175+/-95.214 χ^2/NDF:56.5/49

Out: -181.868+/-93.469 χ^2/NDF:71.5/55

All: -116.748+/-66.701 χ^2/NDF: 129.0/105

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 632.346+/-0.115 χ^2/NDF: 1310136.3/26

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 635.357+/-0.115 χ^2/NDF: 2126914.2/30

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

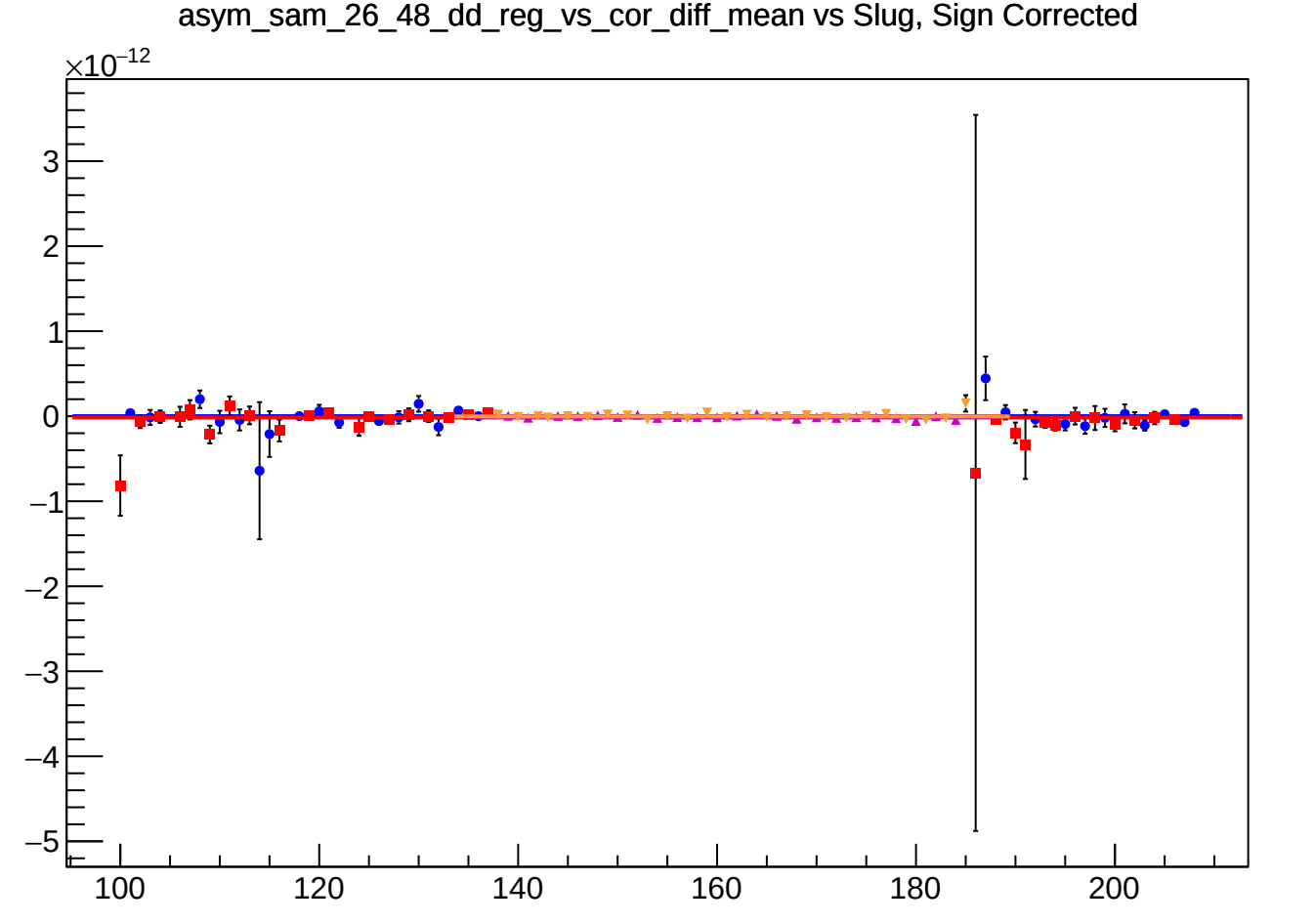
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 633.854+/-0.081 χ^2/NDF: 3437392.9/57

In: 542.815+/-0.067 χ^2/NDF:2851101.0/49

Out: 541.731+/-0.066 χ^2/NDF:3922152.1/55

All: 542.263+/-0.047 χ^2/NDF: 6773385.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

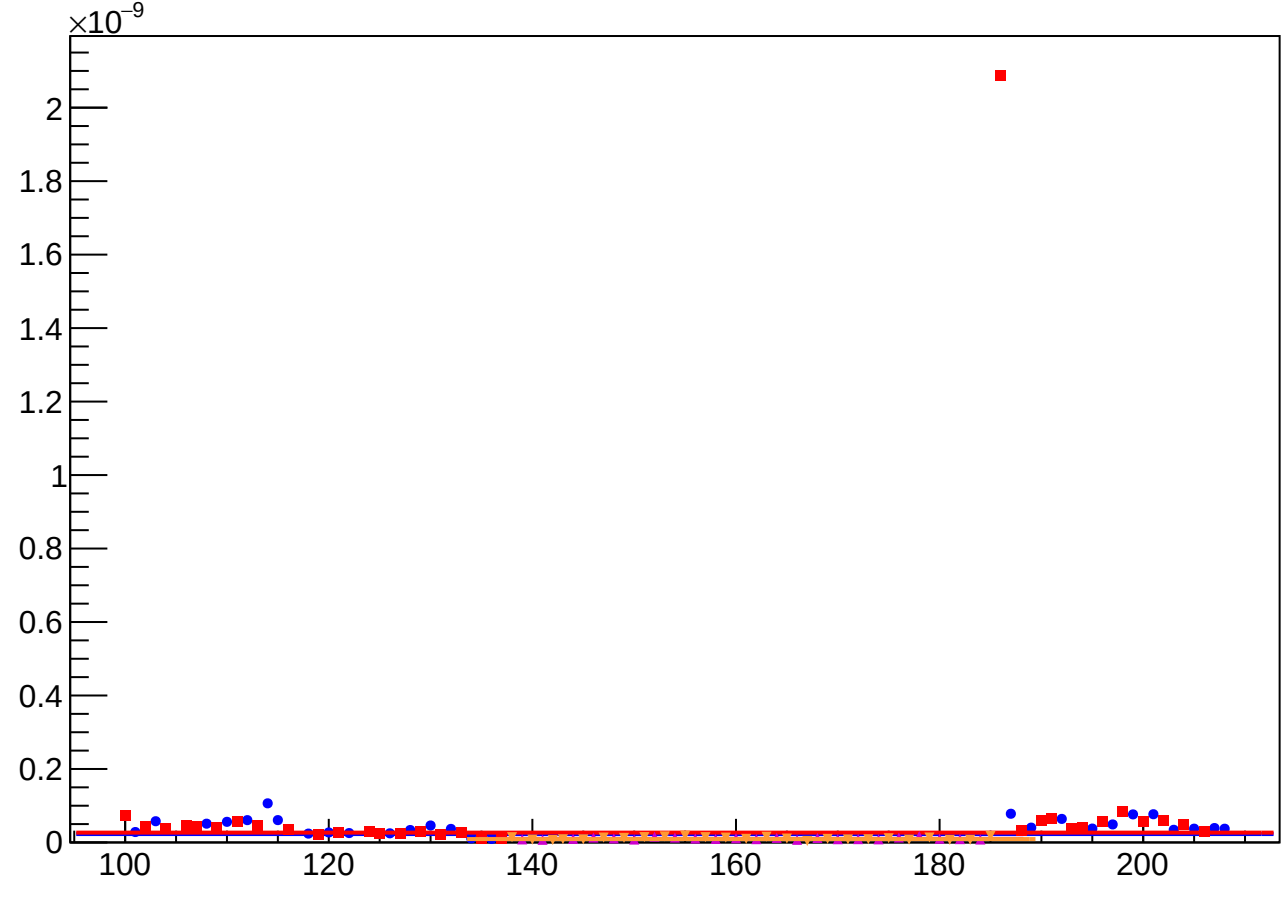
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 56.7/57

In: -0.000+/-0.000 χ^2/NDF:45.9/49

Out: -0.000+/-0.000 χ^2/NDF:52.2/55

All: -0.000+/-0.000 χ^2/NDF: 98.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 5221465.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4047074.6/30

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

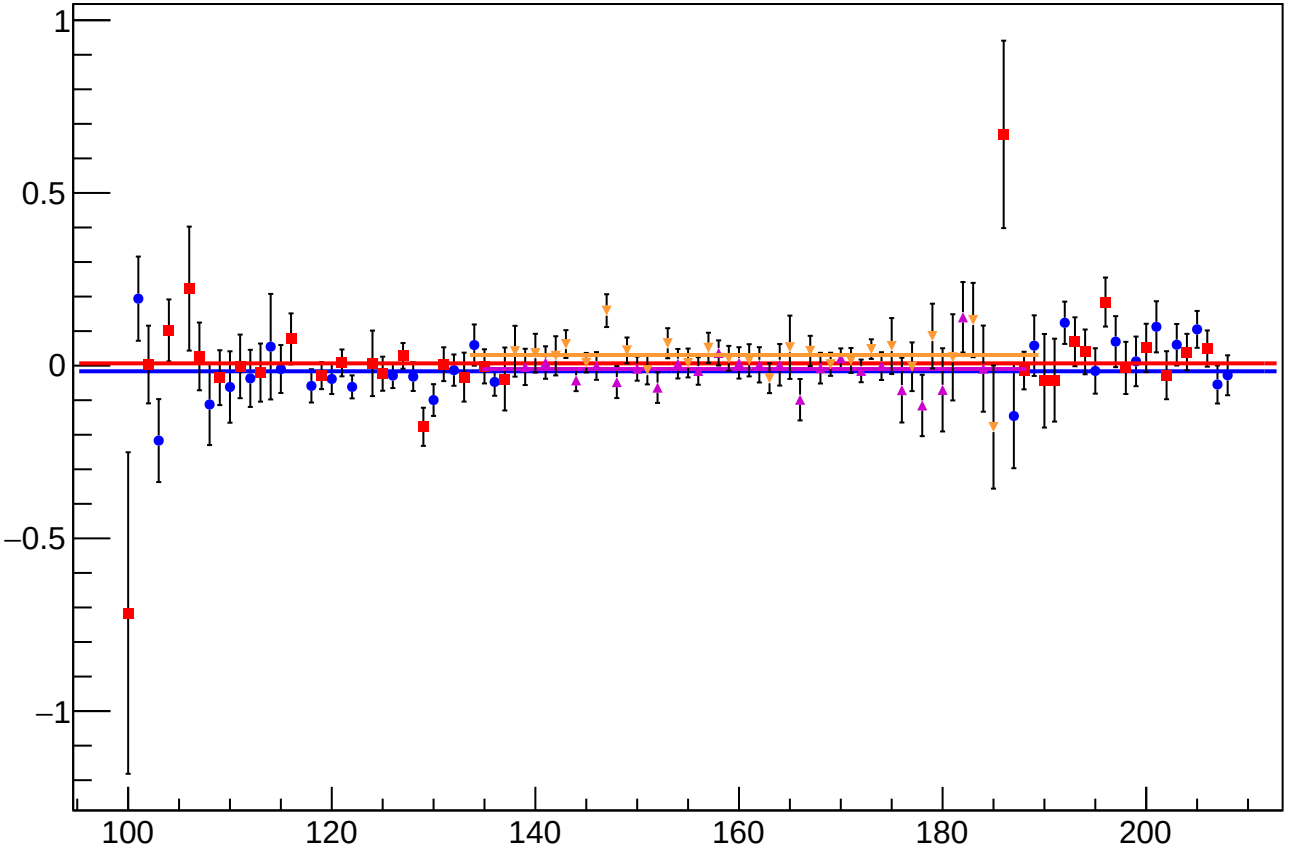
Right: 0.000+/-0.000 χ^2/NDF: 9397919.0/57

In: 0.000+/-0.000 χ^2/NDF:8714320.9/49

Out: 0.000+/-0.000 χ^2/NDF:10152041.9/55

All: 0.000+/-0.000 χ^2/NDF: 18893855.5/105

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

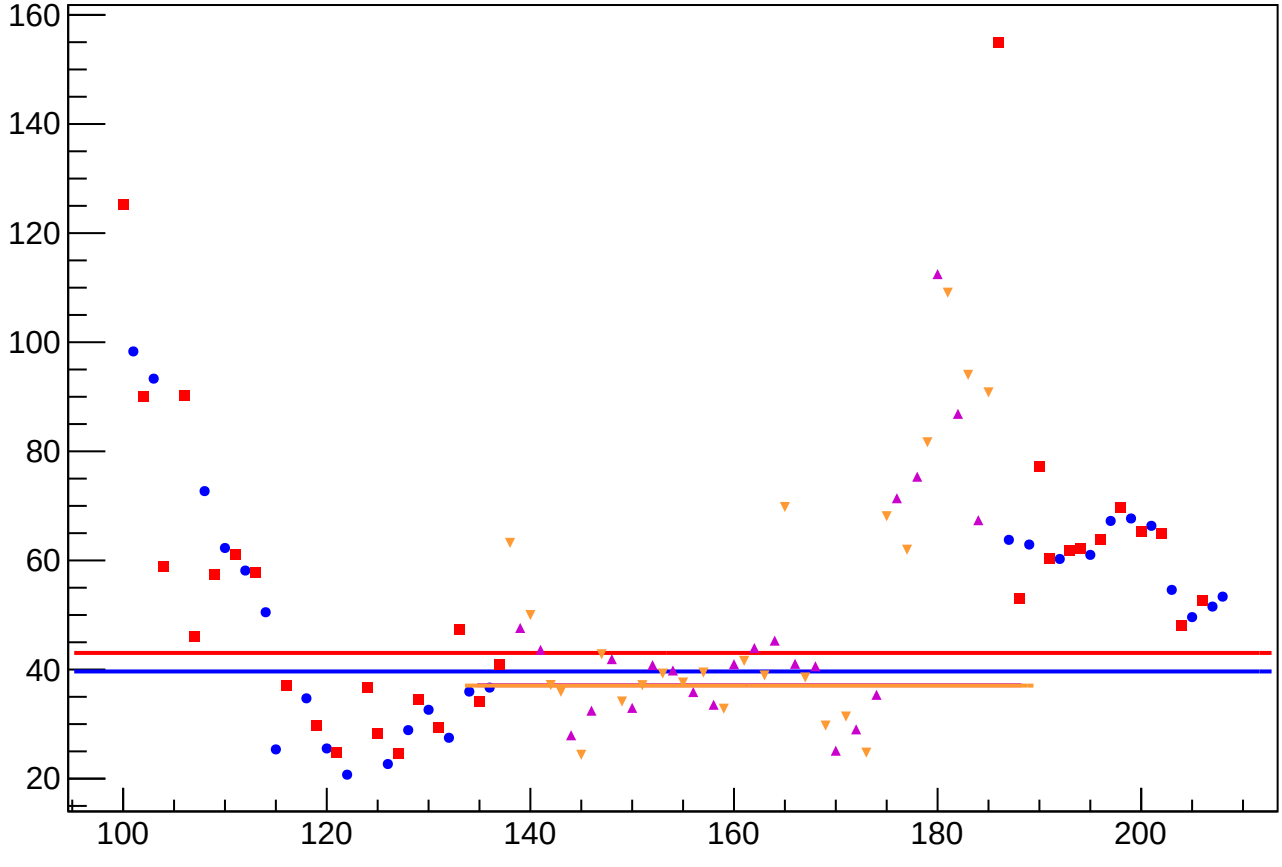
Right: -0.005+/-0.008 χ^2/NDF: 71.2/57

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

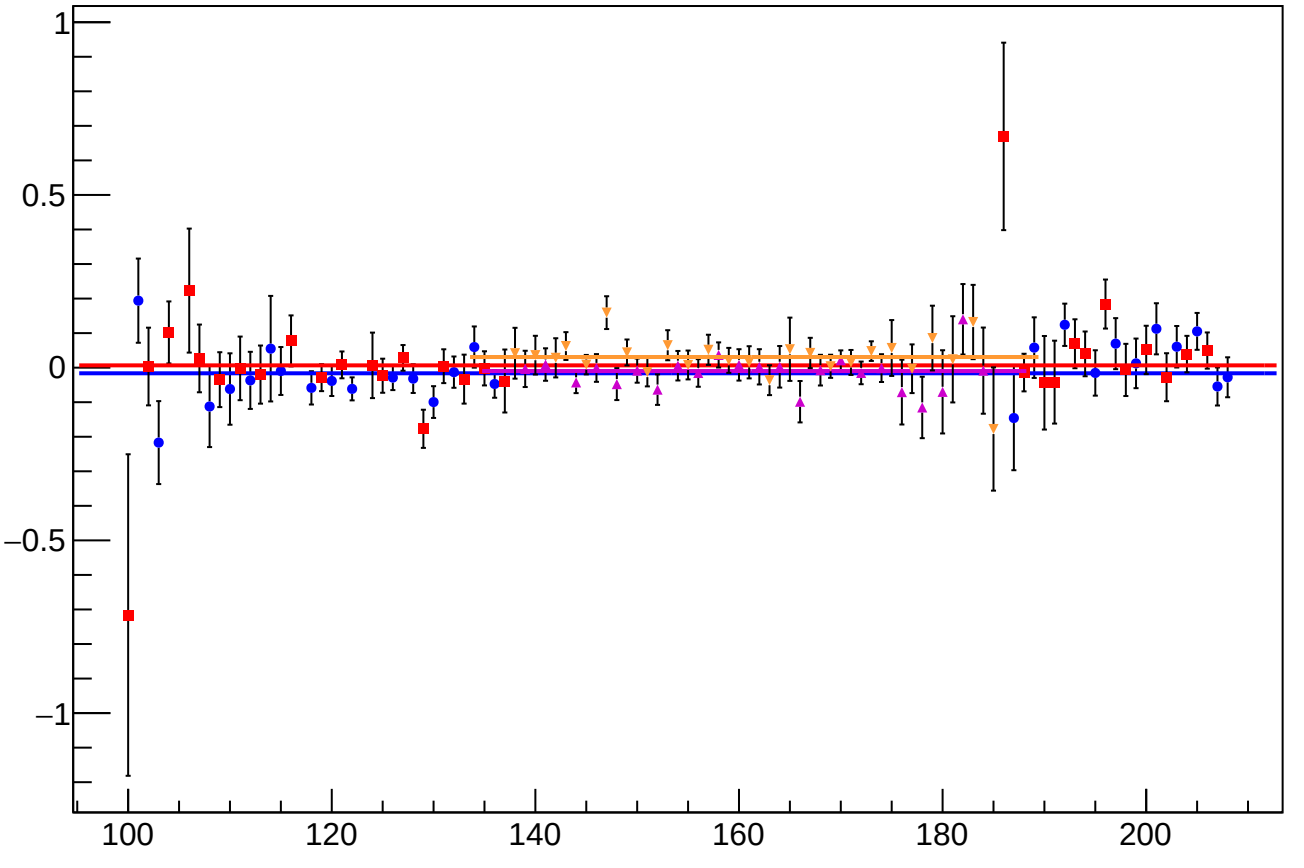
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 41.254+/-0.006 χ^2/NDF: 9198298.2/57

In: 38.188+/-0.005 χ^2/NDF:7919802.3/49

Out: 39.341+/-0.005 χ^2/NDF:8644295.9/55

All: 38.761+/-0.004 χ^2/NDF: 16590044.8/105



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

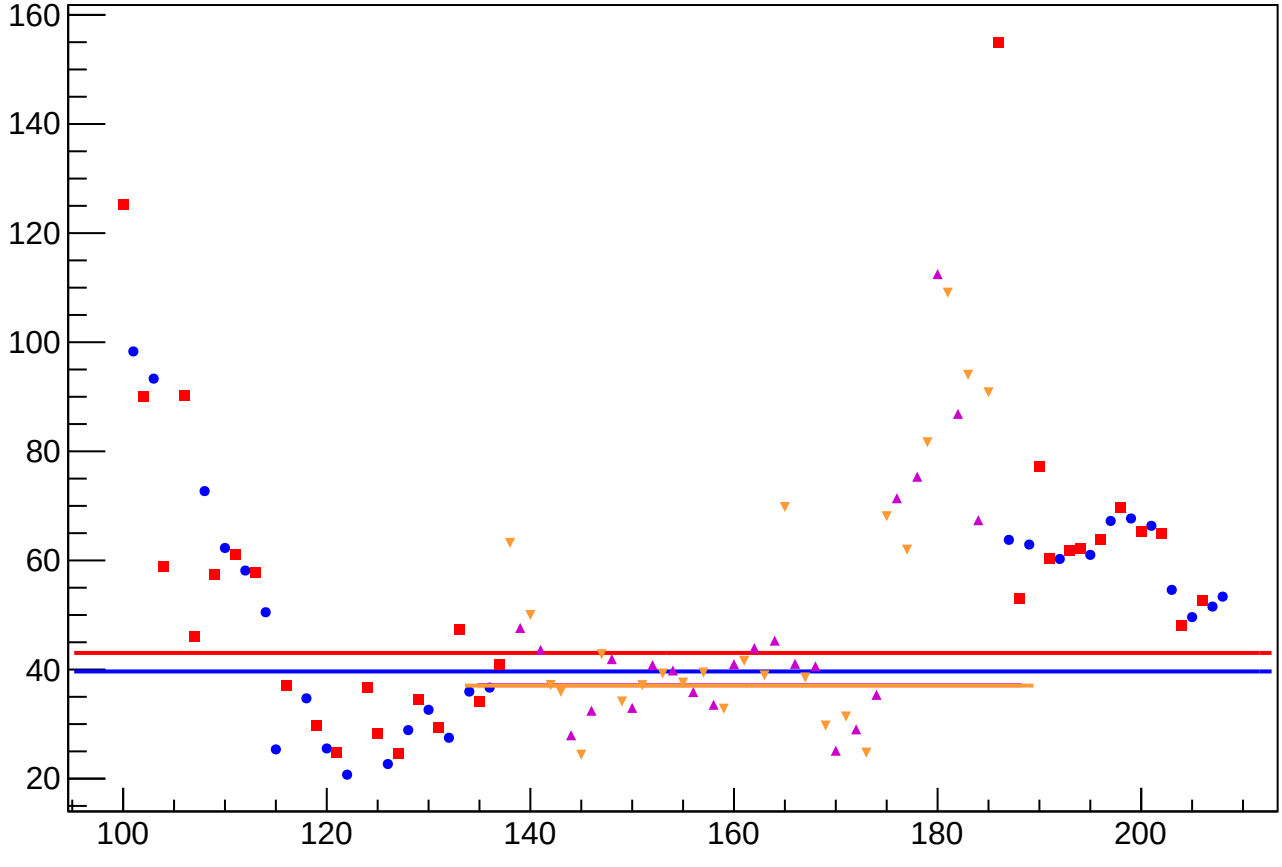
Right: -0.005+/-0.008 χ^2/NDF: 71.2/57

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

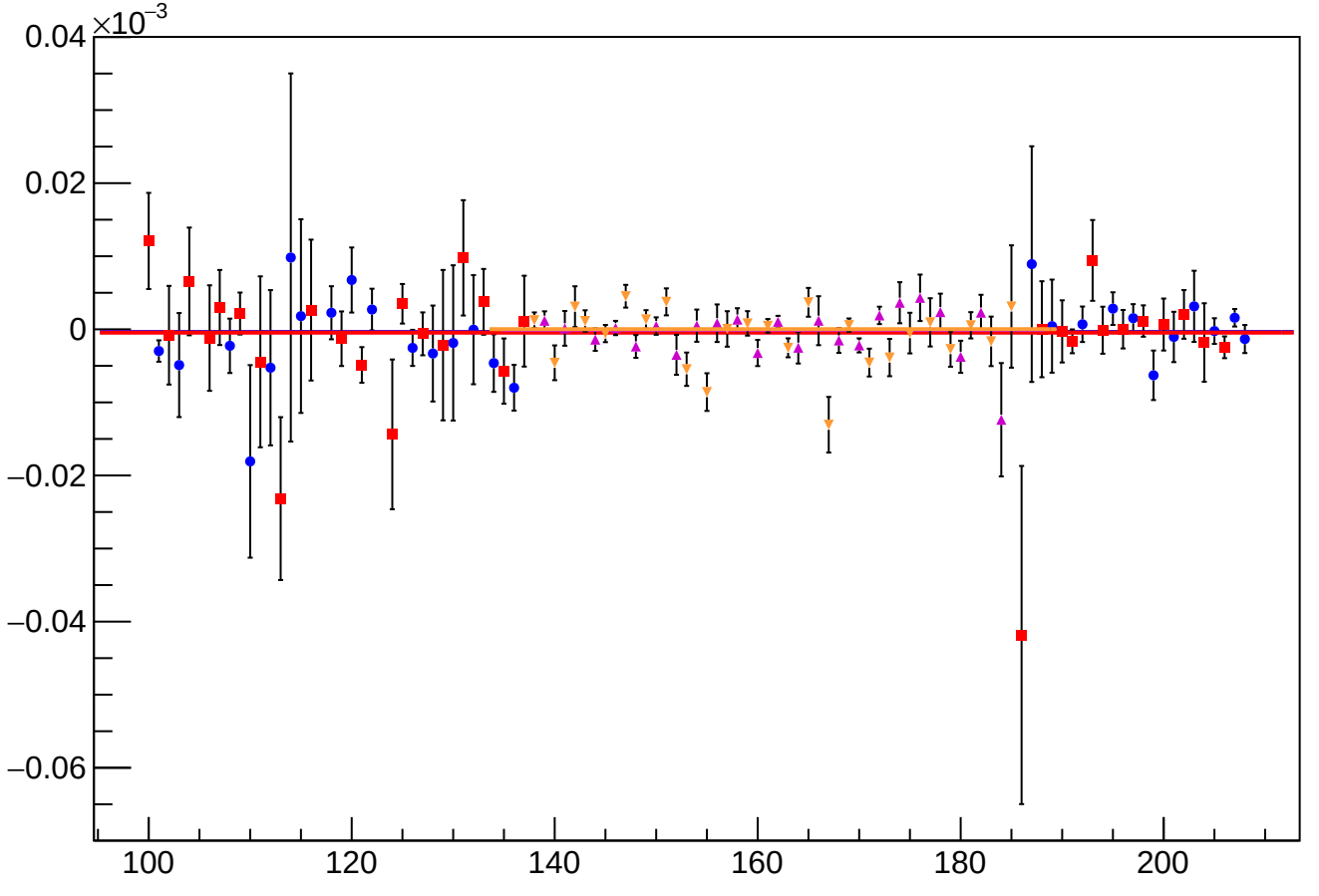
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 41.254+/-0.006 χ^2/NDF: 9198298.2/57

In: 38.188+/-0.005 χ^2/NDF:7919802.3/49

Out: 39.341+/-0.005 χ^2/NDF:8644295.9/55

All: 38.761+/-0.004 χ^2/NDF: 16590044.8/105



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/30

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

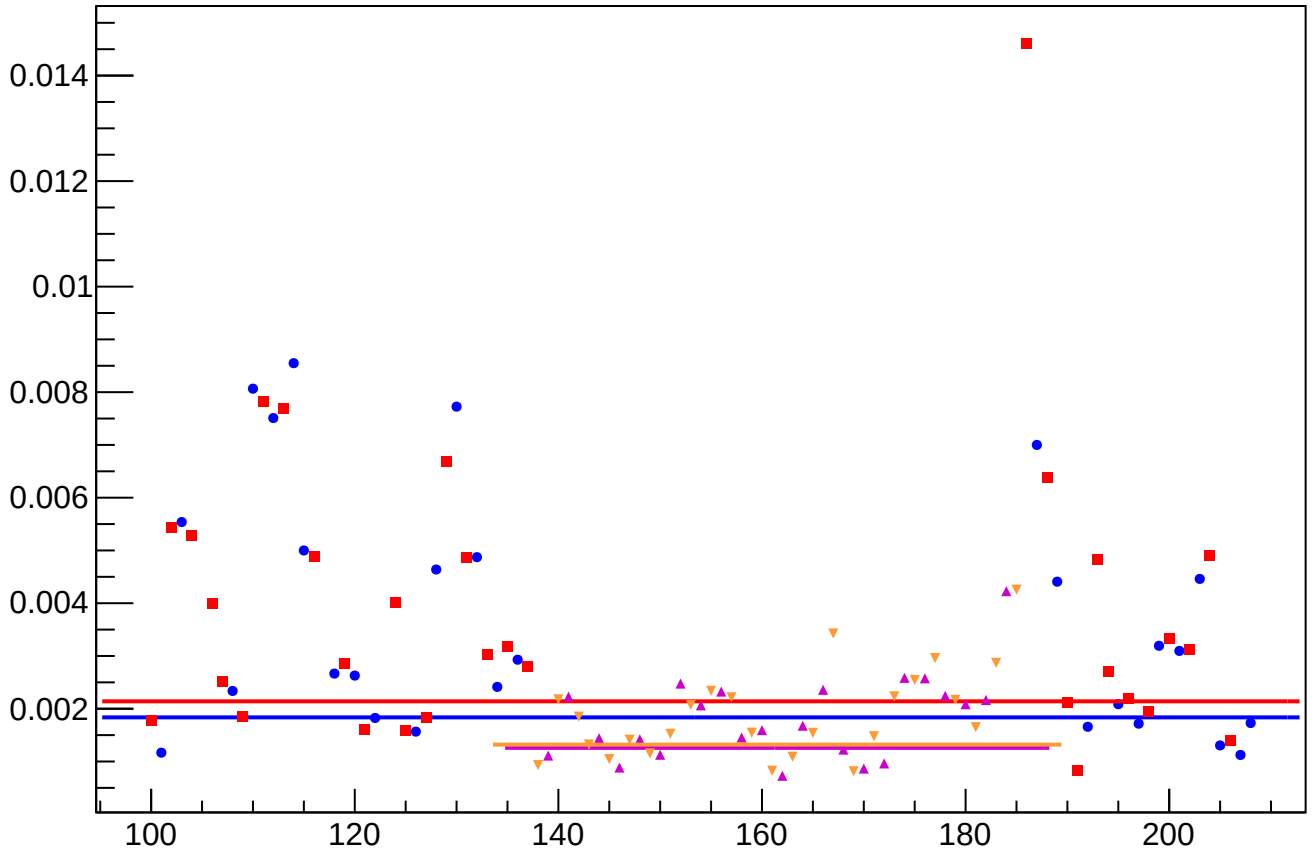
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

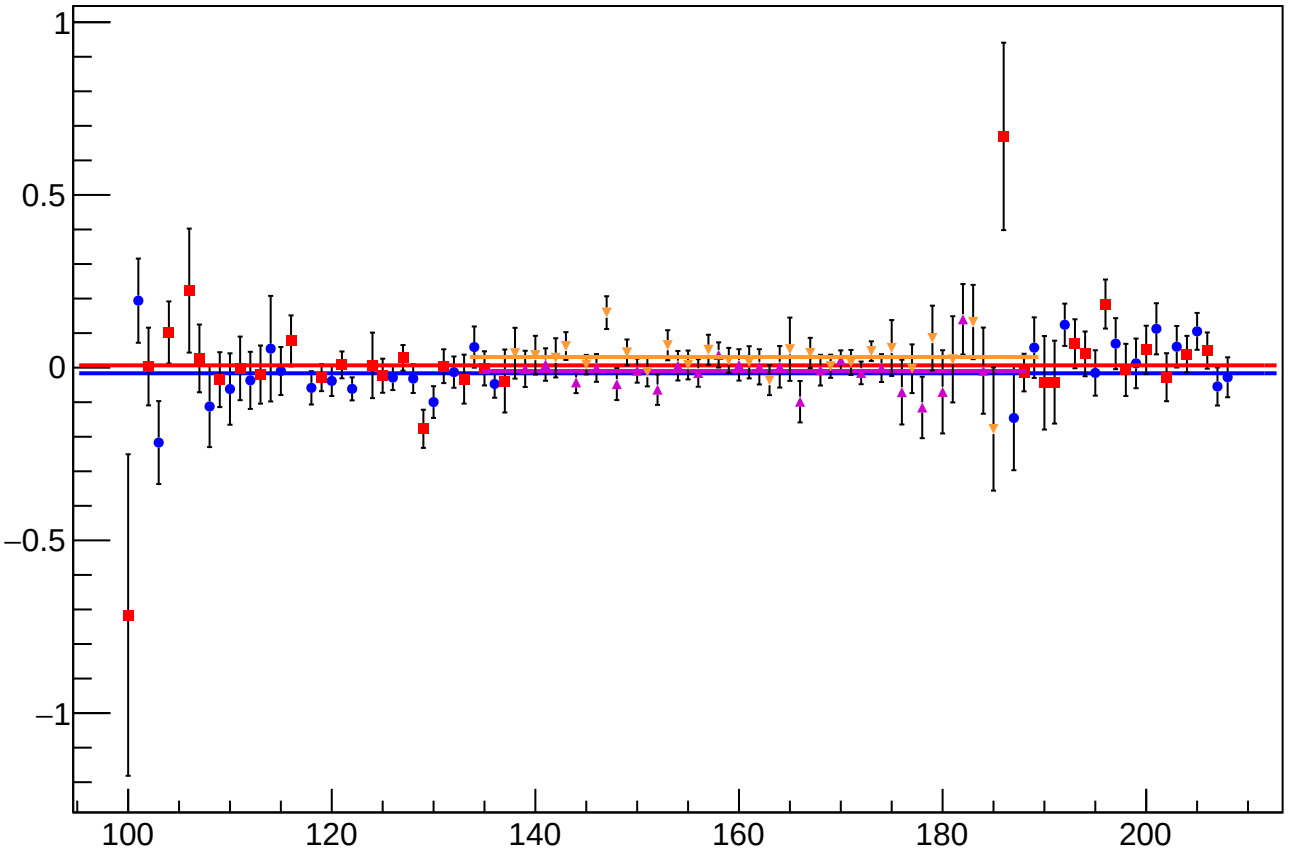
Right: -0.000+/-0.000 χ^2/NDF: 60.1/57

In: -0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:99.6/55

All: -0.000+/-0.000 χ^2/NDF: 160.6/105


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
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6693675.4/26
Left Out: 0.001+/-0.000 χ²/NDF:5632532.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 8016732.3/30
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: 14978105.9/57
In: 0.001+/-0.000 χ²/NDF:13717649.9/49
Out: 0.001+/-0.000 χ²/NDF:16308870.4/55
All: 0.001+/-0.000 χ²/NDF: 30114772.1/105



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

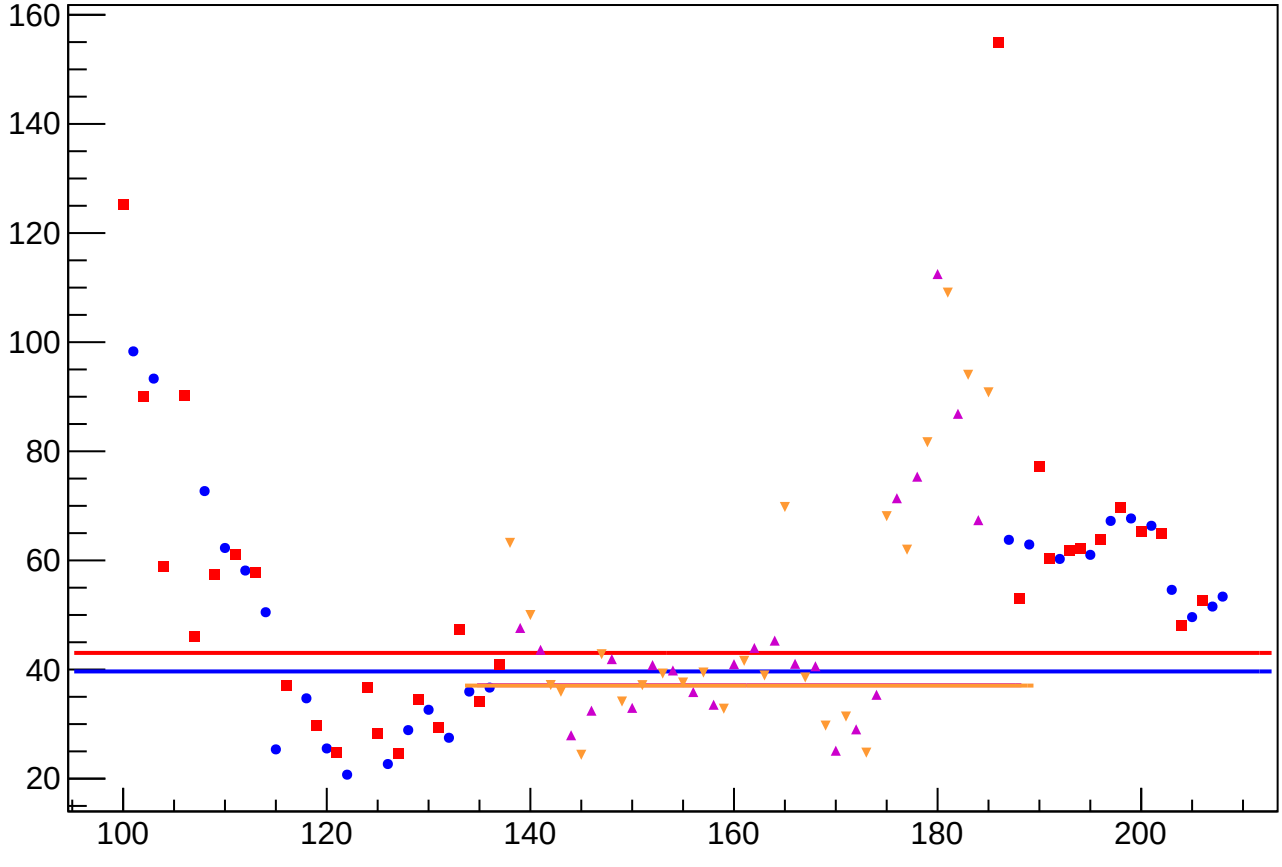
Right: -0.005+/-0.008 χ^2/NDF: 71.2/57

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

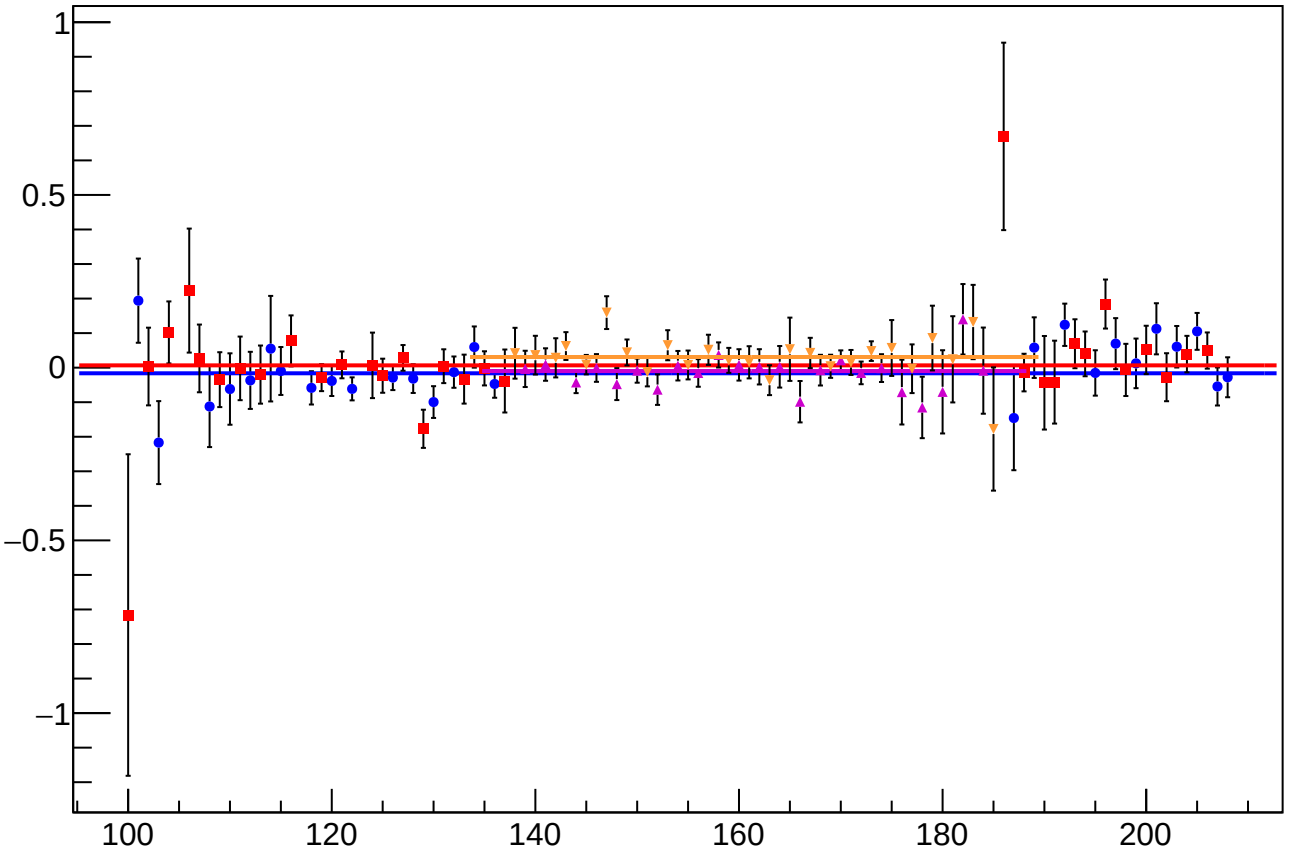
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 41.255+/-0.006 χ^2/NDF: 9197983.3/57

In: 38.188+/-0.005 χ^2/NDF:7919678.0/49

Out: 39.341+/-0.005 χ^2/NDF:8644147.2/55

All: 38.761+/-0.004 χ^2/NDF: 16589772.5/105



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

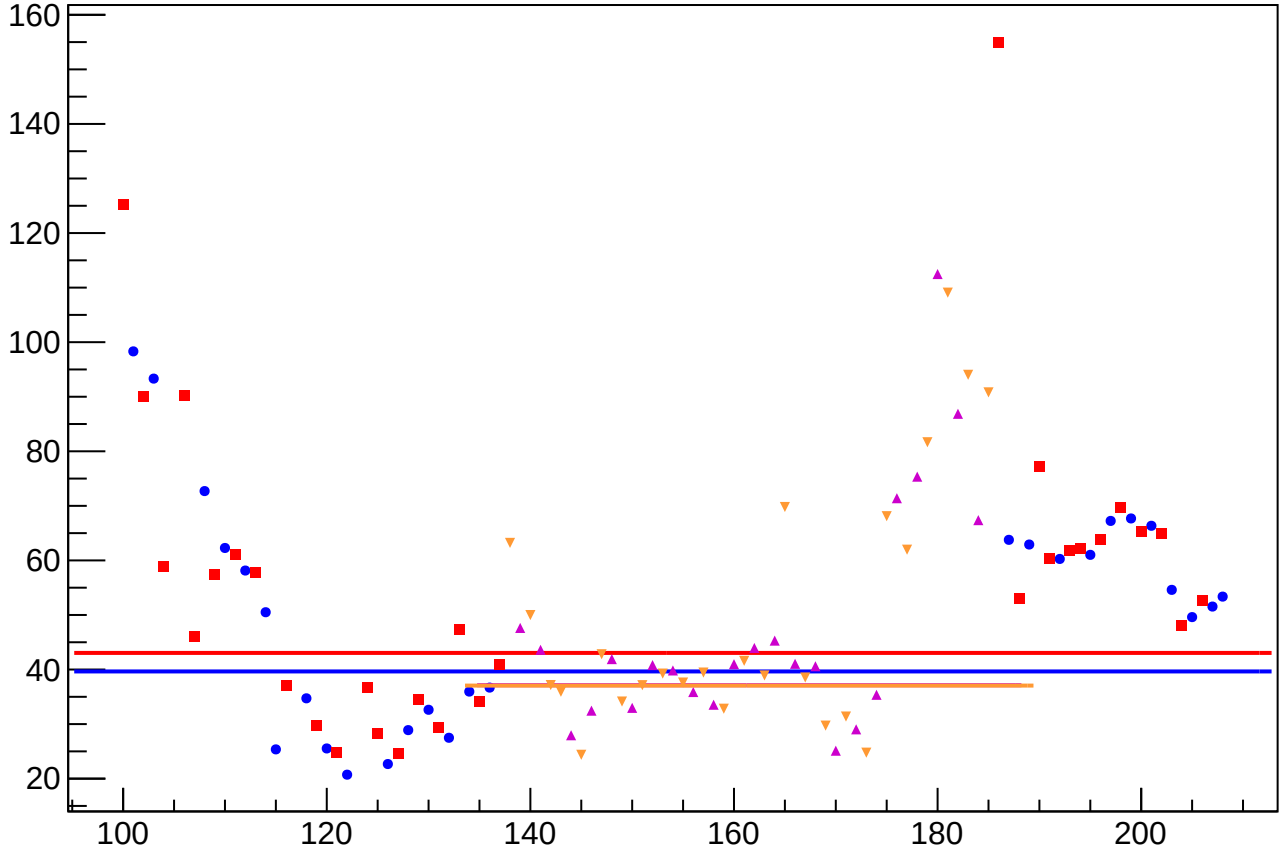
Right: -0.005+/-0.008 χ^2/NDF: 71.2/57

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.004+/-0.005 χ^2/NDF: 114.4/105

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

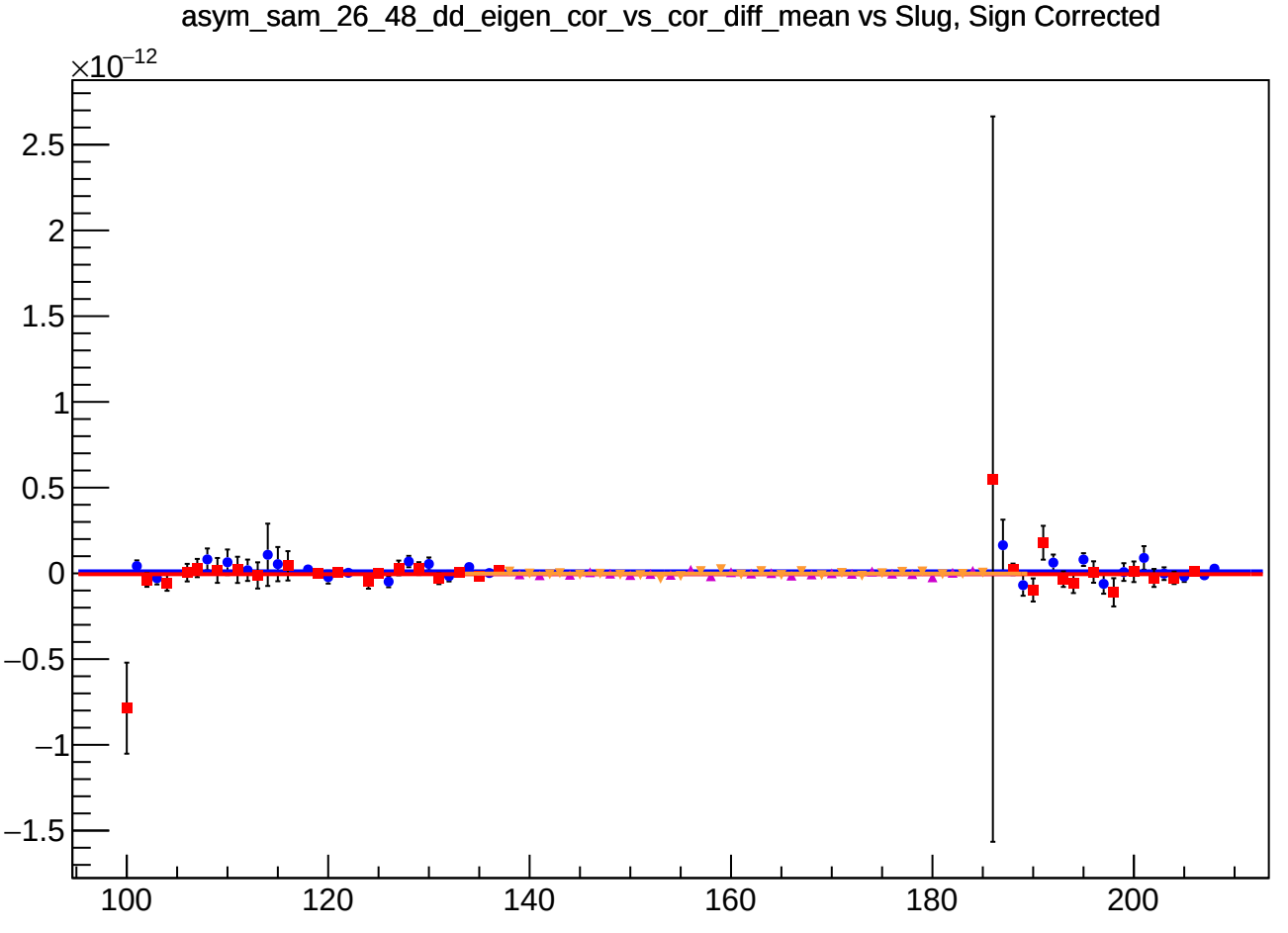
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 41.255+/-0.006 χ^2/NDF: 9197983.3/57

In: 38.188+/-0.005 χ^2/NDF:7919678.0/49

Out: 39.341+/-0.005 χ^2/NDF:8644147.2/55

All: 38.761+/-0.004 χ^2/NDF: 16589772.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

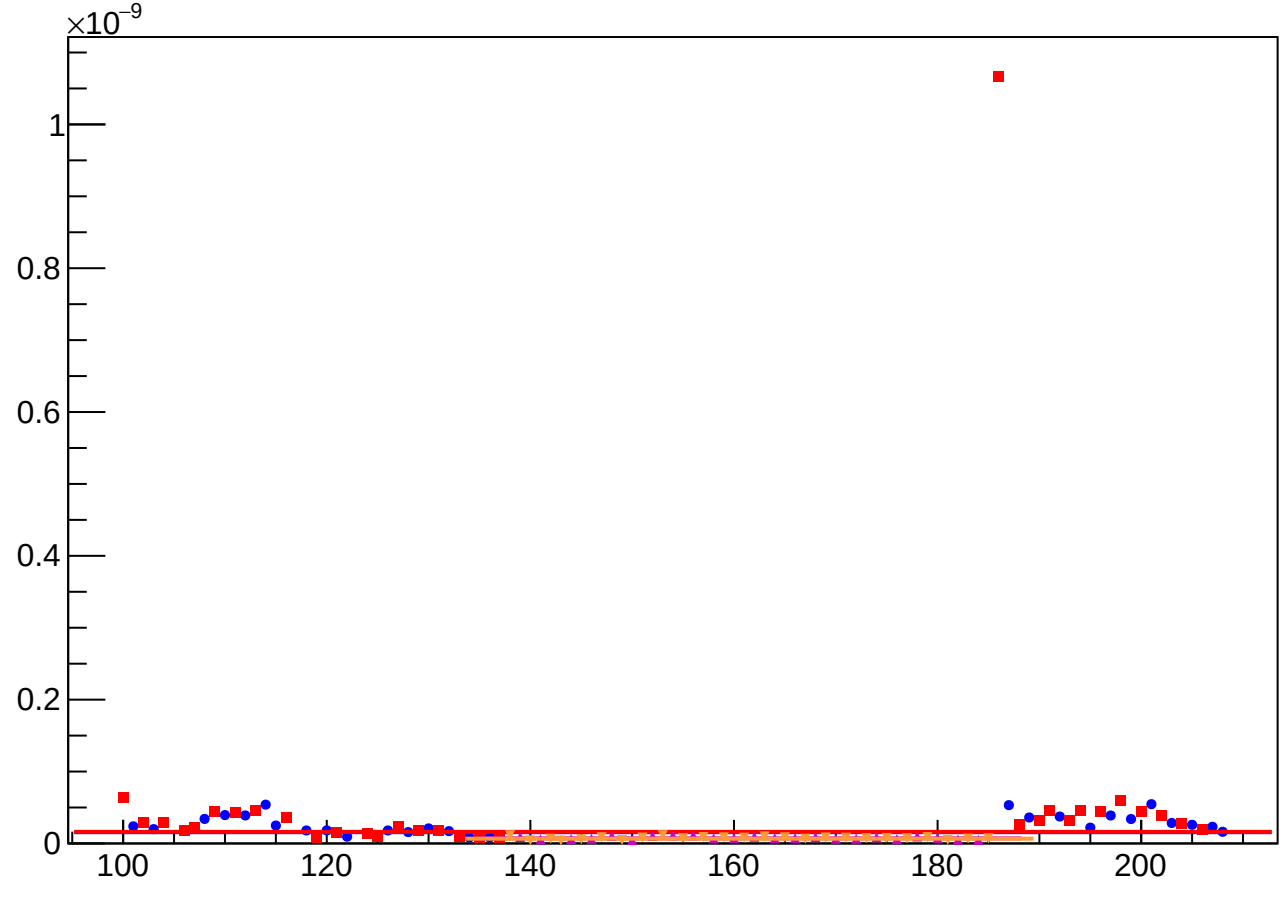
Right: 0.000+/-0.000 χ^2/NDF: 61.3/57

In: -0.000+/-0.000 χ^2/NDF:56.2/49

Out: -0.000+/-0.000 χ^2/NDF:54.1/55

All: -0.000+/-0.000 χ^2/NDF: 110.3/105

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5281510.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7184501.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

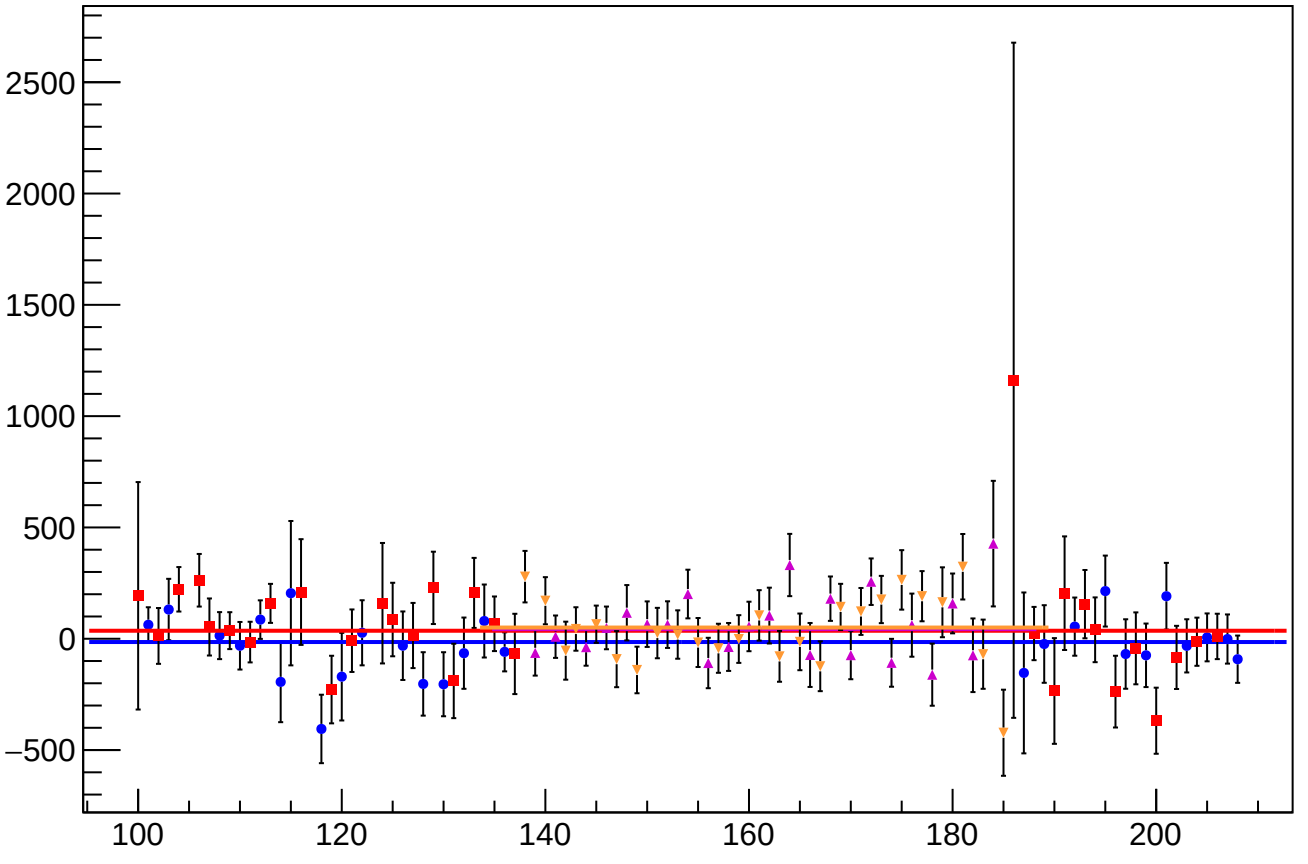
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12472788.5/57

In: 0.000+/-0.000 χ^2/NDF:10814545.4/49

Out: 0.000+/-0.000 χ^2/NDF:13742695.7/55

All: 0.000+/-0.000 χ^2/NDF: 24637485.1/105



Right In: -14.738+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 35.962+/-24.525 χ^2/NDF: 32.8/30

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

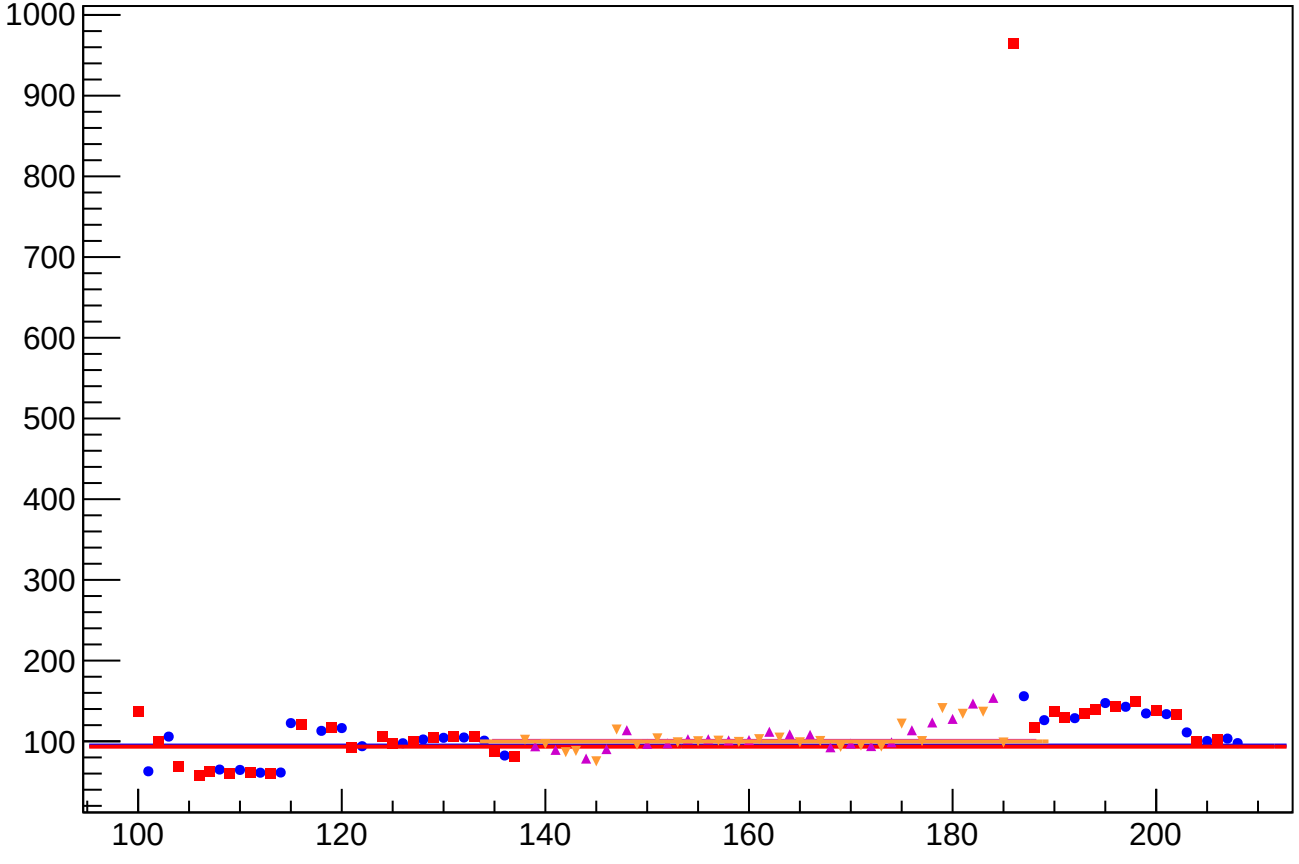
Right: 10.897+/-17.439 χ^2/NDF: 56.5/57

In: 15.385+/-17.157 χ^2/NDF:51.0/49

Out: 43.611+/-16.760 χ^2/NDF:66.4/55

All: 29.828+/-11.989 χ^2/NDF: 118.8/105

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.715+/-0.018 χ^2/NDF: 2174760.3/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 93.348+/-0.017 χ^2/NDF: 3425681.5/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

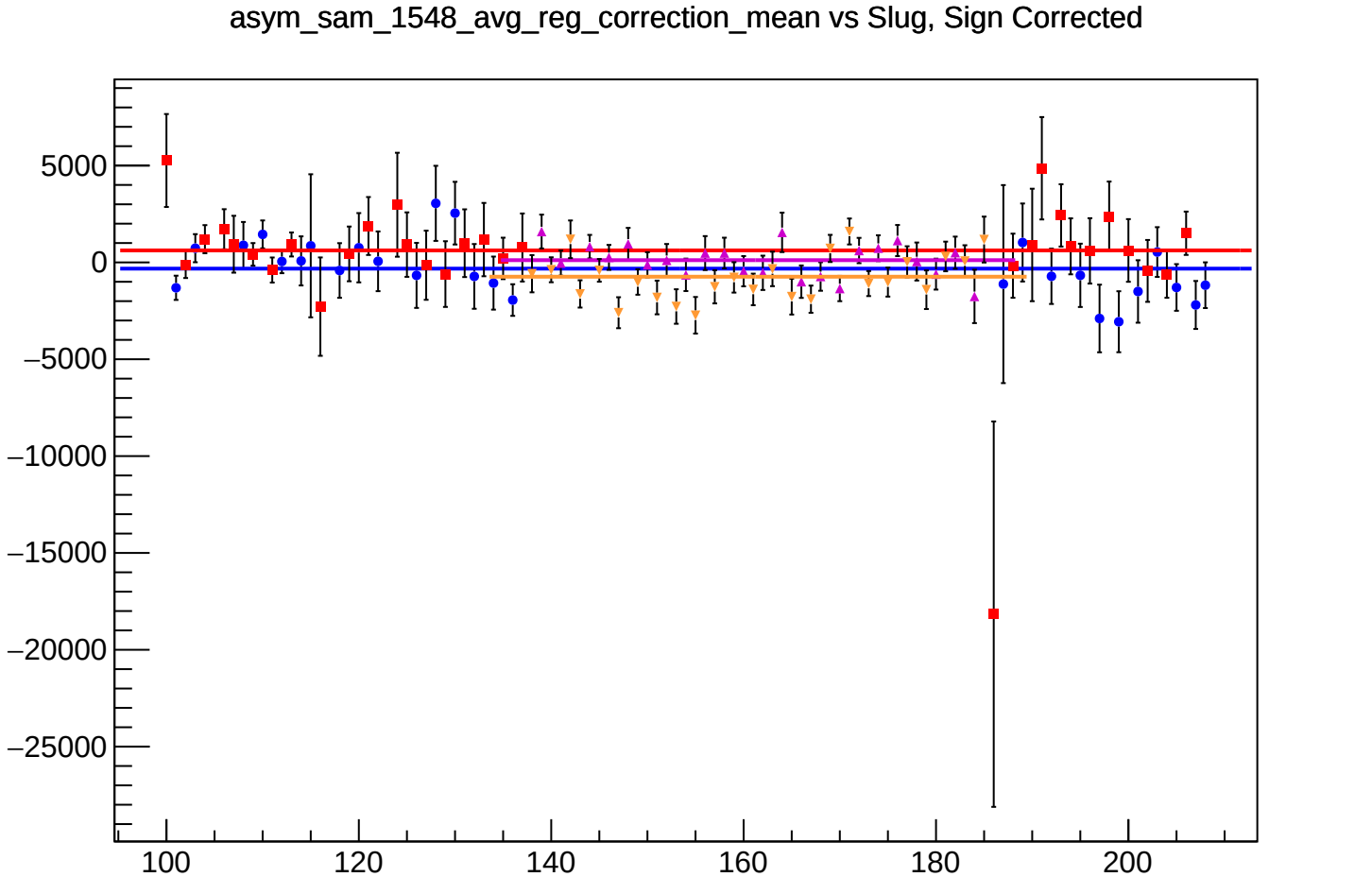
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 94.024+/-0.012 χ^2/NDF: 5603514.2/57

In: 97.731+/-0.012 χ^2/NDF:2888308.1/49

Out: 96.807+/-0.012 χ^2/NDF:4198116.1/55

All: 97.258+/-0.008 χ^2/NDF: 7089388.3/105



Right In: -321.818+/-223.203 χ^2/NDF: 33.4/26

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 619.006+/-213.218 χ^2/NDF: 24.1/30

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

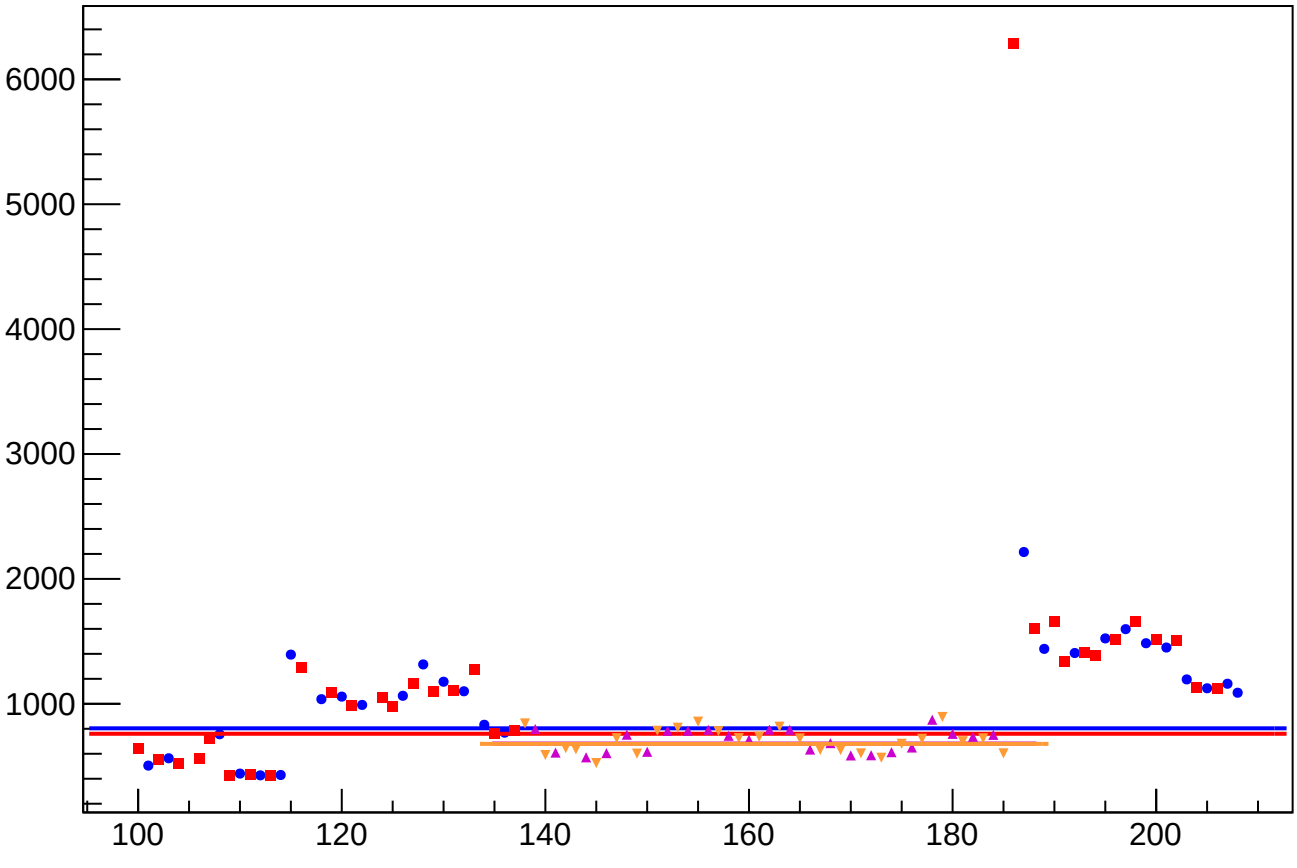
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 170.107+/-154.177 χ^2/NDF: 66.8/57

In: -34.061+/-130.570 χ^2/NDF:59.7/49

Out: -263.871+/-126.064 χ^2/NDF:100.1/55

All: -153.000+/-90.692 χ^2/NDF: 161.4/105



Right In: 803.731+/-0.158 χ^2/NDF: 5489391.1/26

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 760.081+/-0.151 χ^2/NDF: 7234494.7/30

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

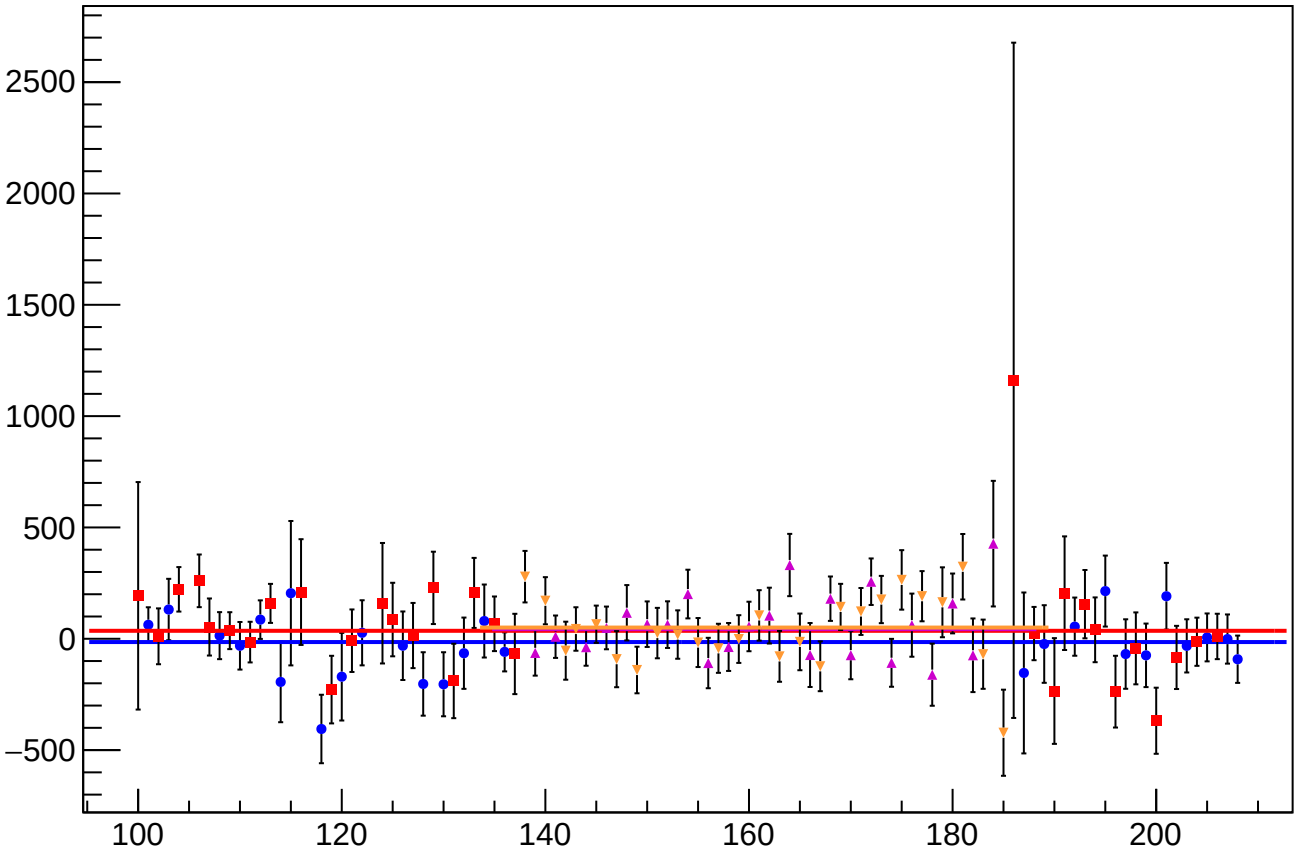
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 780.908+/-0.109 χ^2/NDF: 12763879.1/57

In: 723.587+/-0.092 χ^2/NDF:6455199.1/49

Out: 707.438+/-0.089 χ^2/NDF:8159348.8/55

All: 715.229+/-0.064 χ^2/NDF: 14630380.3/10



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 35.785+/-24.526 χ^2/NDF: 32.7/30

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

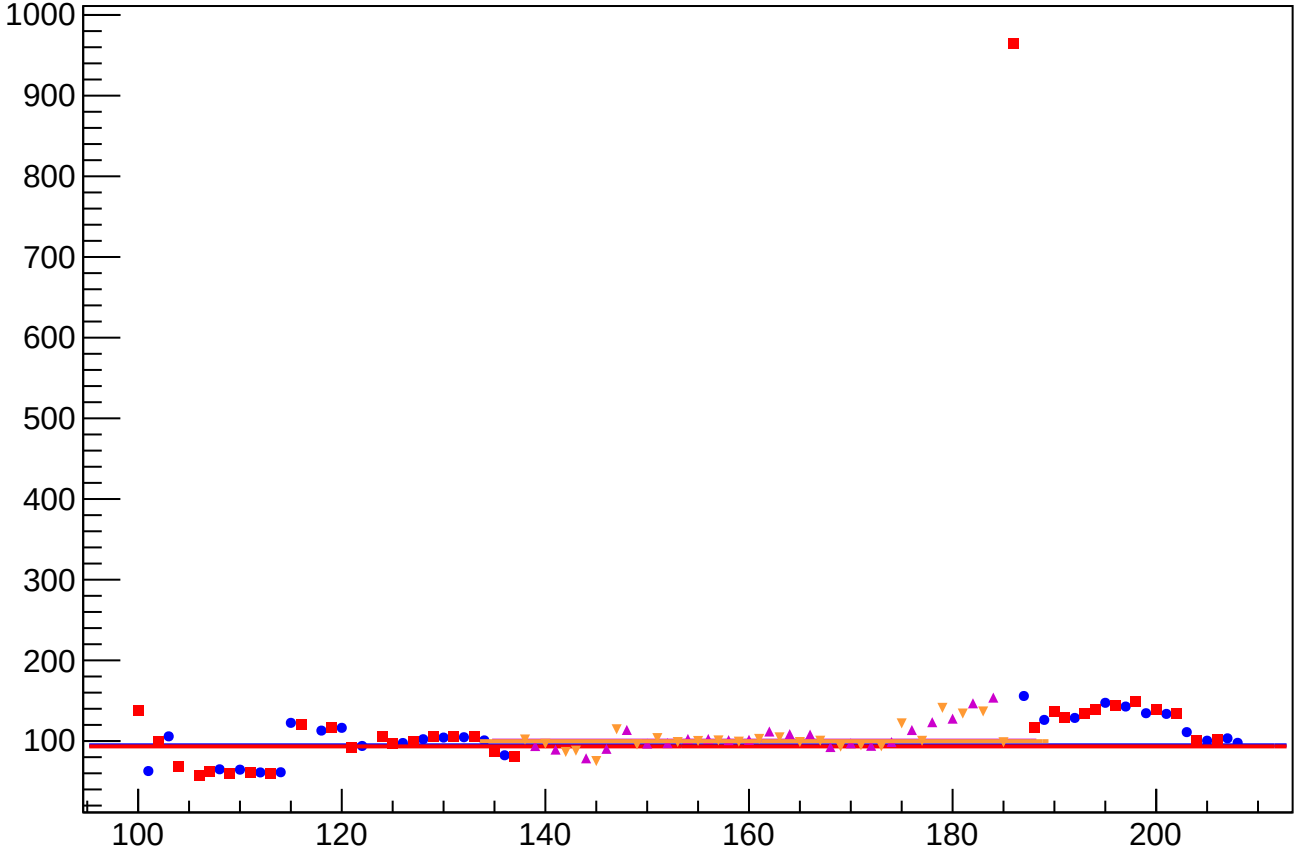
Right: 10.805+/-17.439 χ^2/NDF: 56.4/57

In: 15.384+/-17.157 χ^2/NDF:51.0/49

Out: 43.533+/-16.760 χ^2/NDF:66.3/55

All: 29.787+/-11.989 χ^2/NDF: 118.7/105

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

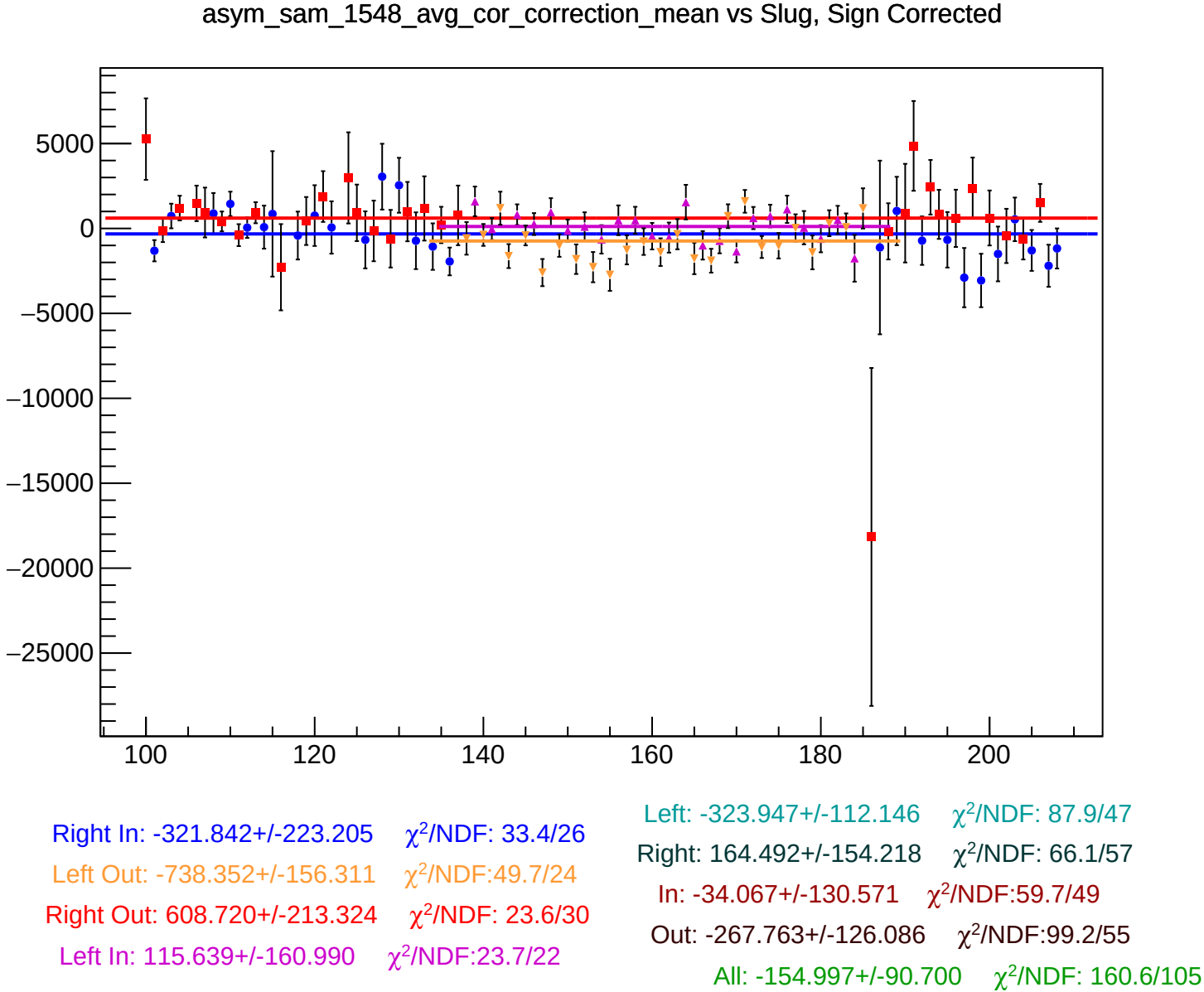
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

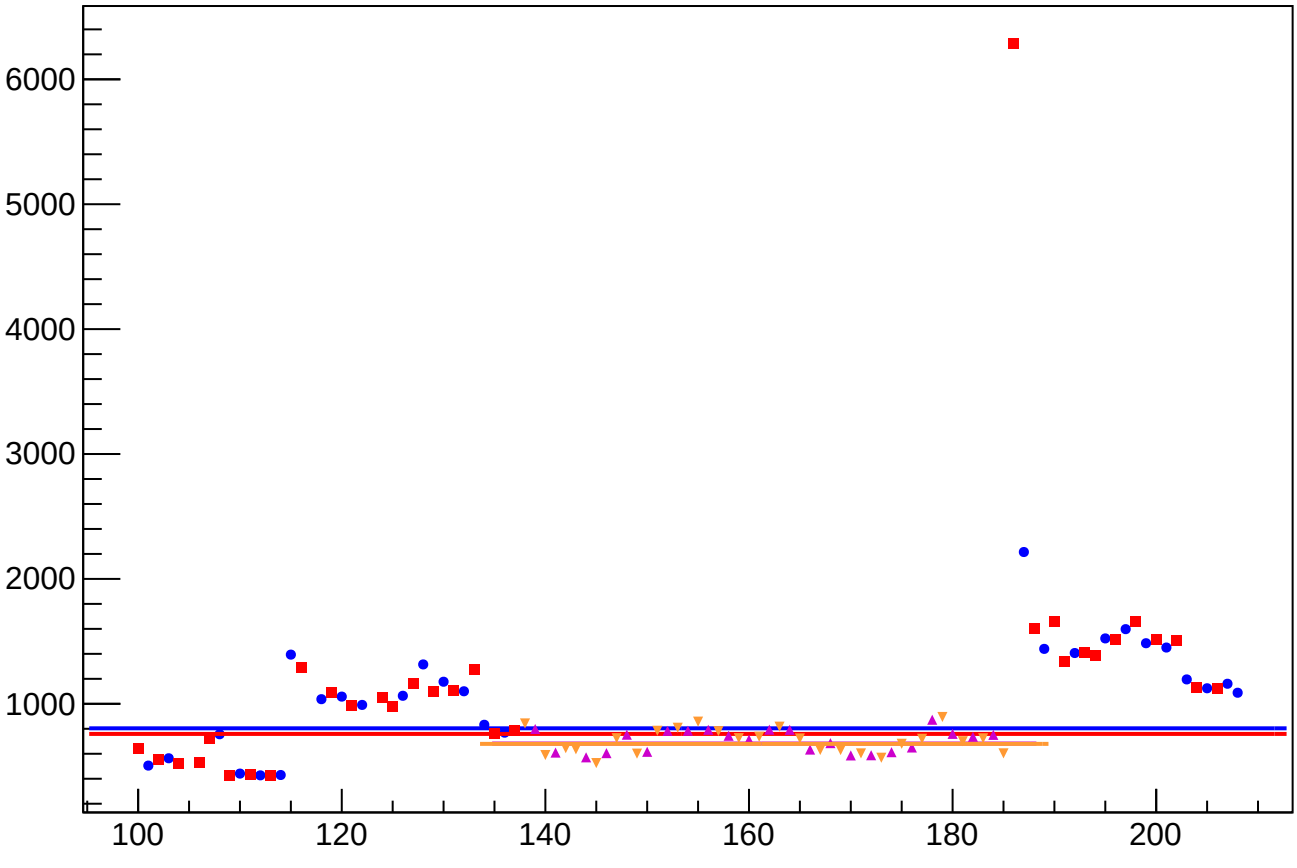
Right: 94.018+/-0.012 χ^2/NDF: 5606895.3/57

In: 97.731+/-0.012 χ^2/NDF:2888309.1/49

Out: 96.802+/-0.012 χ^2/NDF:4201701.4/55

All: 97.256+/-0.008 χ^2/NDF: 7093007.7/105


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -321.842+/-223.205 χ²/NDF: 33.4/26
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 608.720+/-213.324 χ²/NDF: 23.6/30
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 164.492+/-154.218 χ²/NDF: 66.1/57
In: -34.067+/-130.571 χ²/NDF:59.7/49
Out: -267.763+/-126.086 χ²/NDF:99.2/55
All: -154.997+/-90.700 χ²/NDF: 160.6/105



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

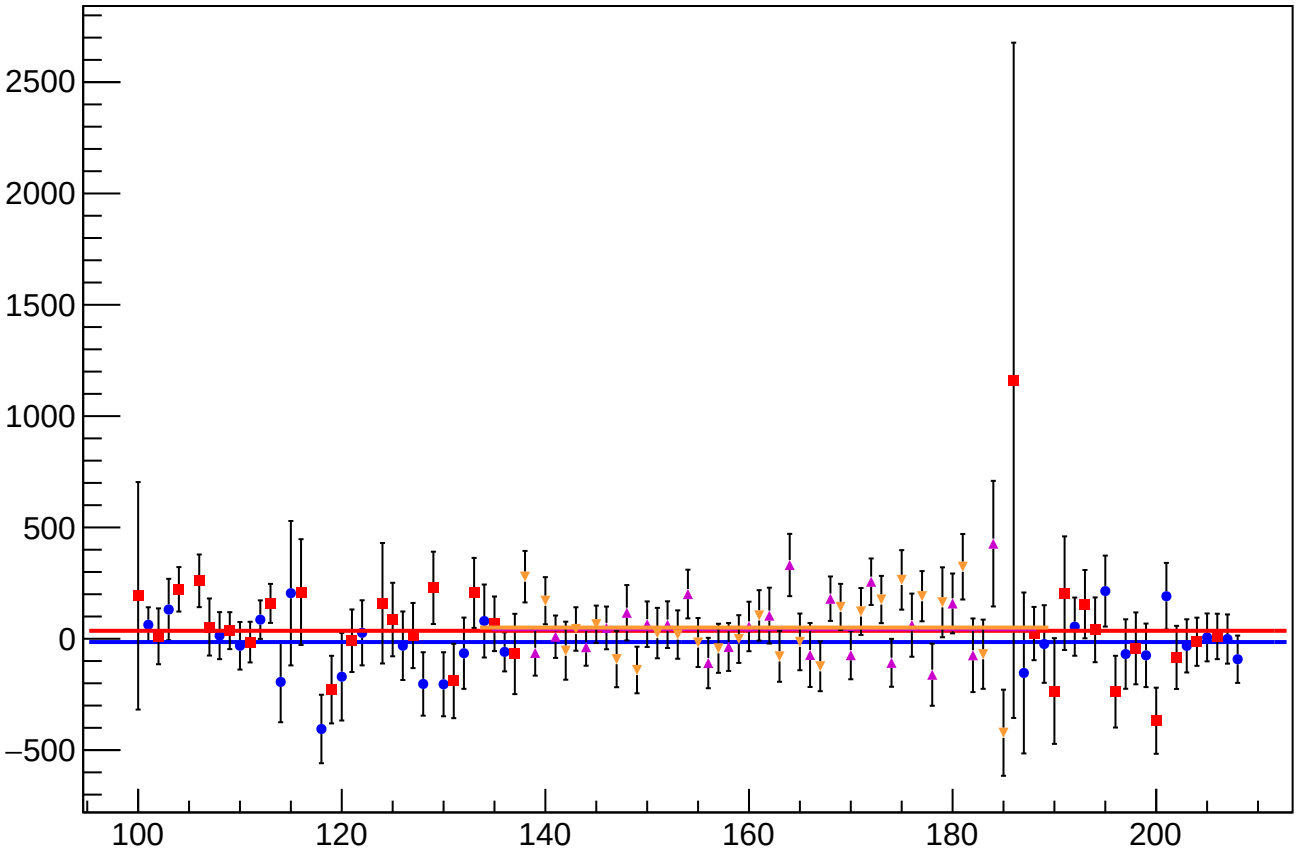
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 780.304+/-0.109 χ^2/NDF: 12790367.6/57

In: 723.589+/-0.092 χ^2/NDF:6455111.4/49

Out: 707.006+/-0.089 χ^2/NDF:8178219.3/55

All: 715.008+/-0.064 χ^2/NDF: 14650024.7/10



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 35.785+/-24.526 χ^2/NDF: 32.7/30

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

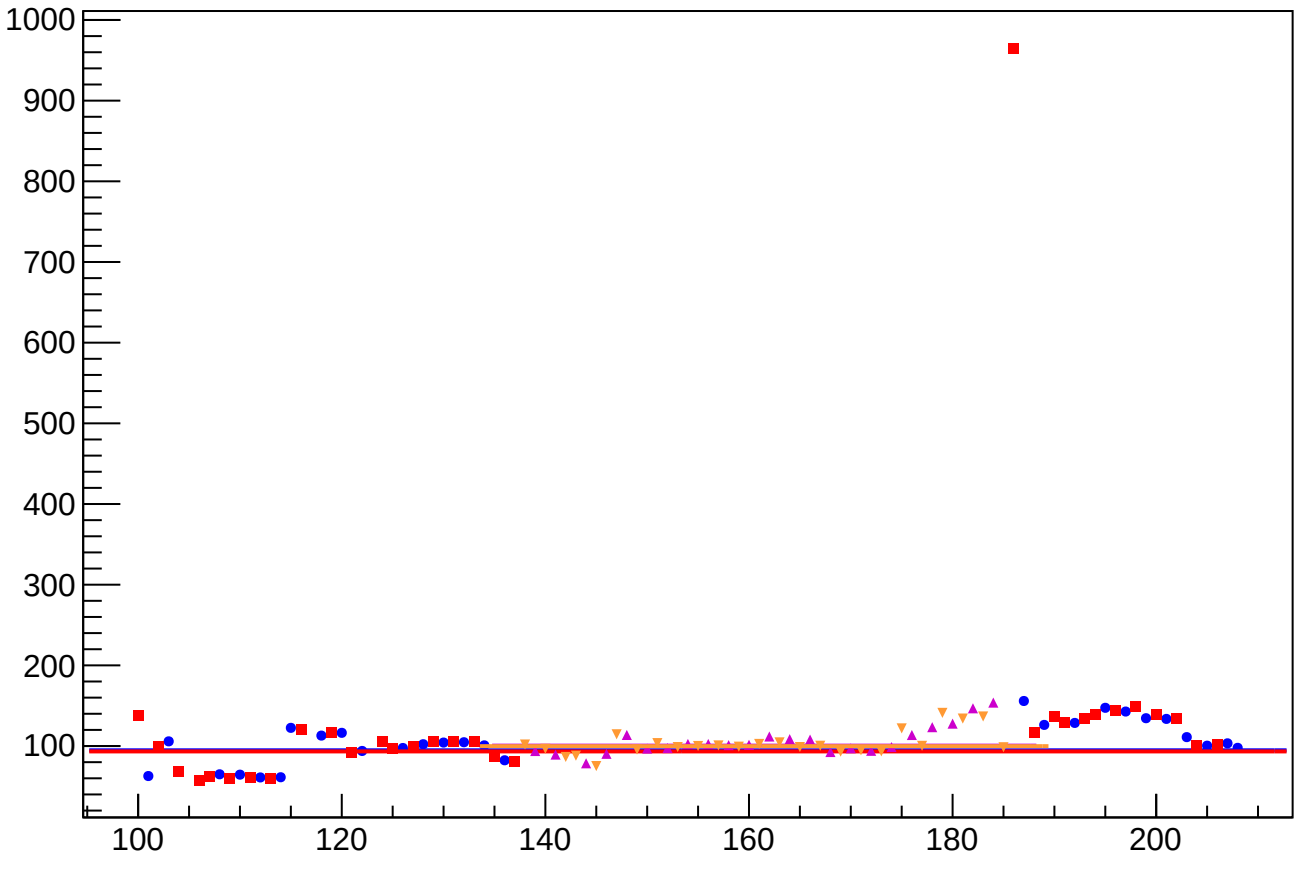
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 10.805+/-17.439 χ^2/NDF: 56.4/57

In: 15.384+/-17.157 χ^2/NDF:51.0/49

Out: 43.533+/-16.760 χ^2/NDF:66.3/55

All: 29.787+/-11.989 χ^2/NDF: 118.7/105



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

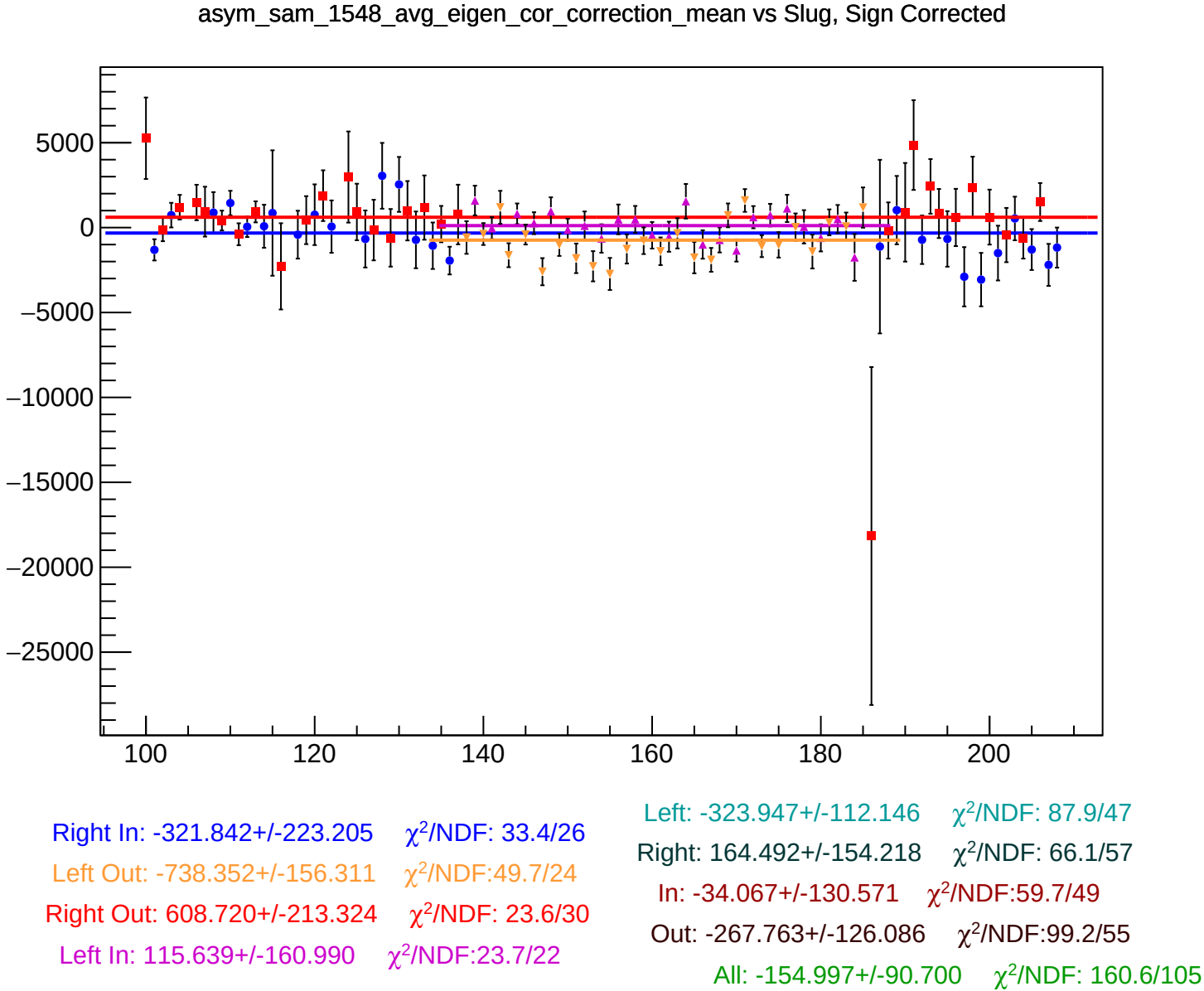
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 94.018+/-0.012 χ^2/NDF: 5606895.3/57

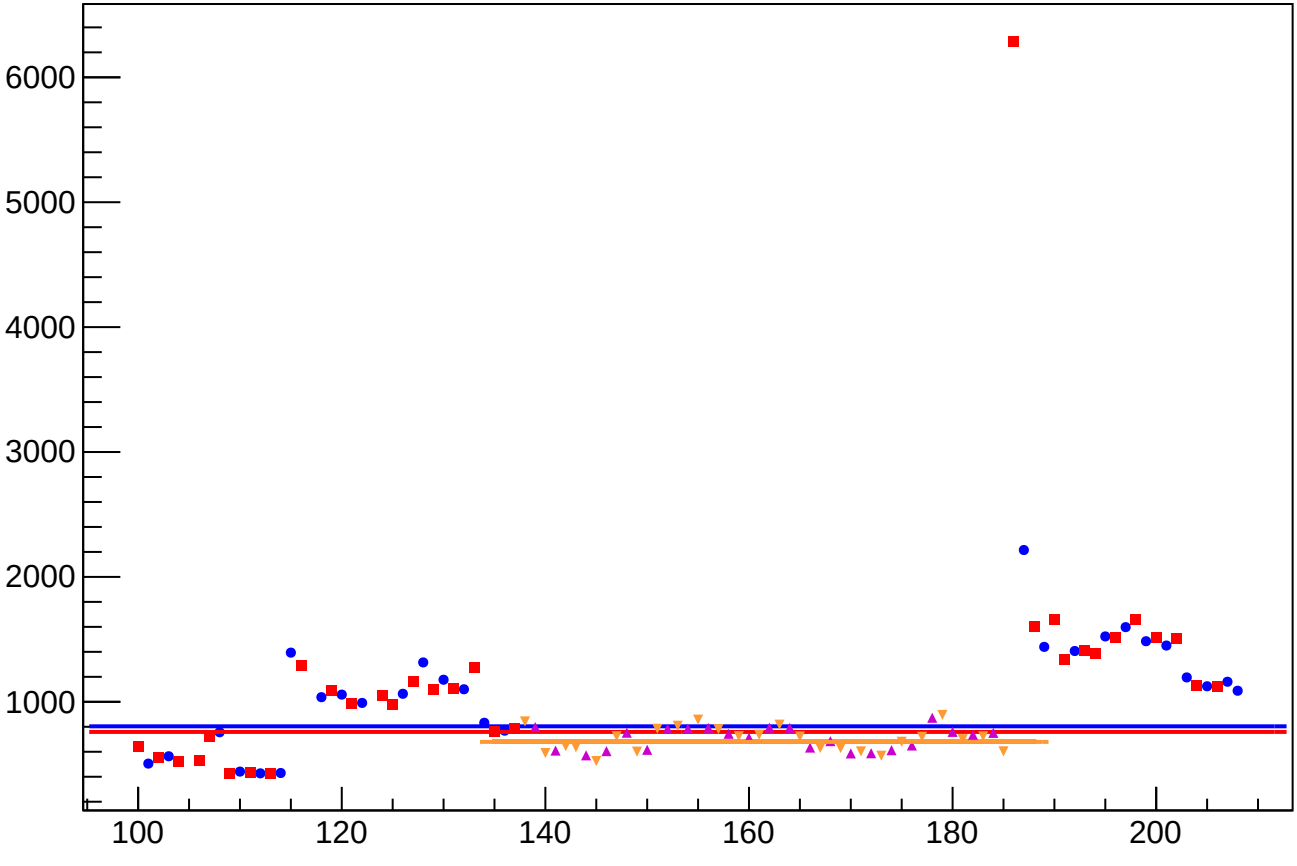
In: 97.731+/-0.012 χ^2/NDF:2888309.1/49

Out: 96.802+/-0.012 χ^2/NDF:4201701.4/55

All: 97.256+/-0.008 χ^2/NDF: 7093007.7/105


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -321.842+/-223.205 χ²/NDF: 33.4/26
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 608.720+/-213.324 χ²/NDF: 23.6/30
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 164.492+/-154.218 χ²/NDF: 66.1/57
In: -34.067+/-130.571 χ²/NDF:59.7/49
Out: -267.763+/-126.086 χ²/NDF:99.2/55
All: -154.997+/-90.700 χ²/NDF: 160.6/105

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

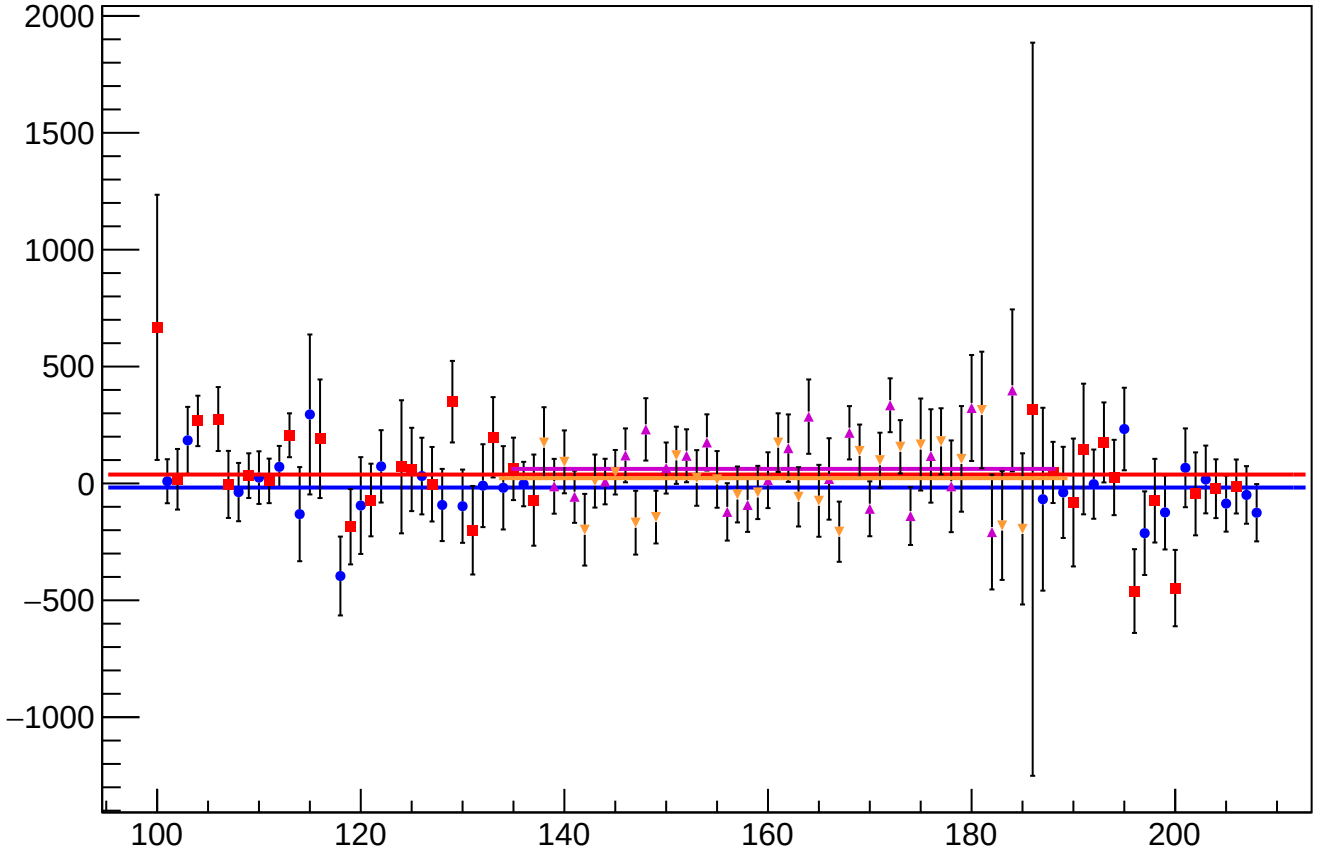
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 780.304+/-0.109 χ^2/NDF: 12790367.6/57

In: 723.589+/-0.092 χ^2/NDF:6455111.4/49

Out: 707.006+/-0.089 χ^2/NDF:8178219.3/55

All: 715.008+/-0.064 χ^2/NDF: 14650024.7/10



Right In: -17.568+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 38.029+/-27.052 χ^2/NDF: 39.7/30

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

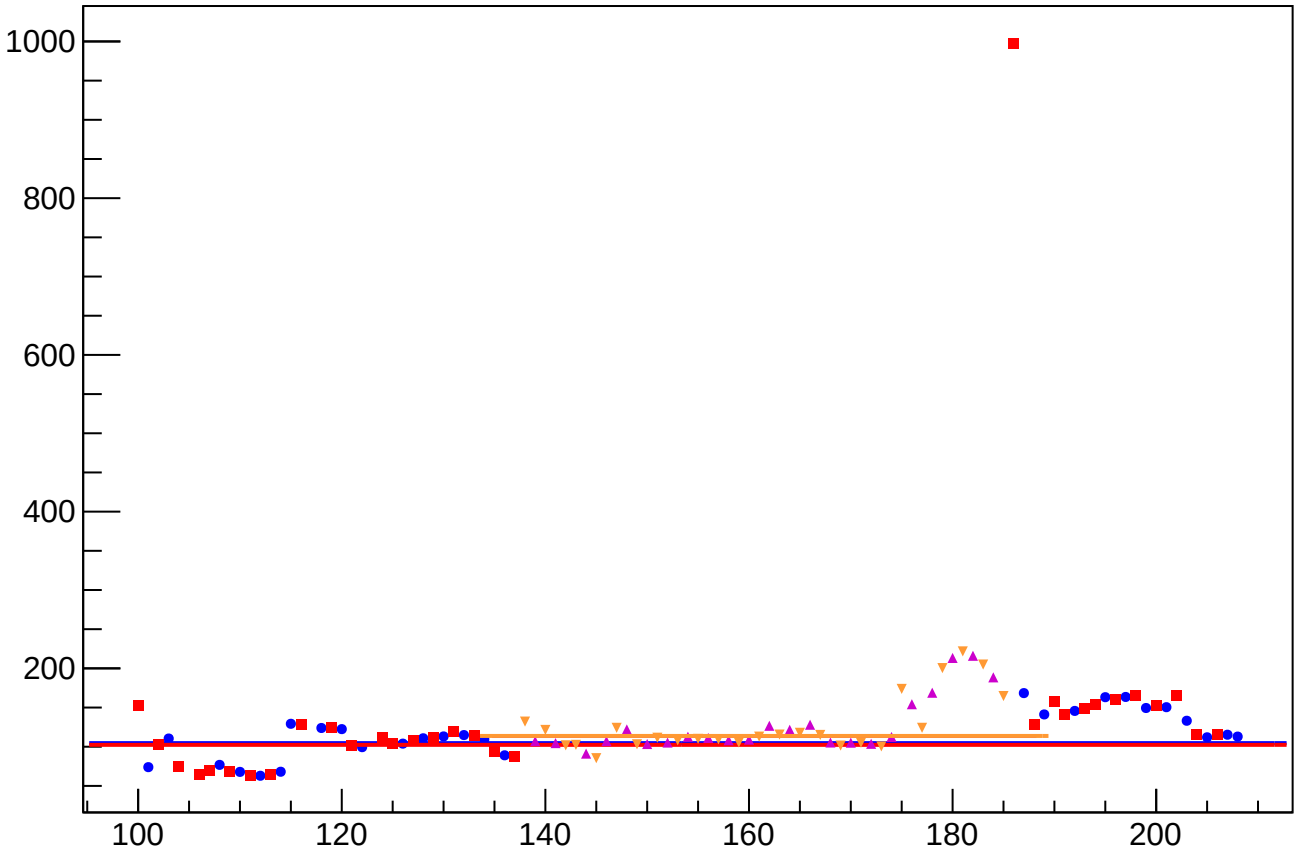
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 10.672+/-19.280 χ^2/NDF: 57.4/57

In: 22.514+/-19.383 χ^2/NDF:47.2/49

Out: 30.168+/-18.982 χ^2/NDF:61.4/55

All: 26.421+/-13.562 χ^2/NDF: 108.7/105



Right In: 104.583+/-0.019 χ^2/NDF: 2284957.5/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 102.403+/-0.019 χ^2/NDF: 3585785.6/30

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

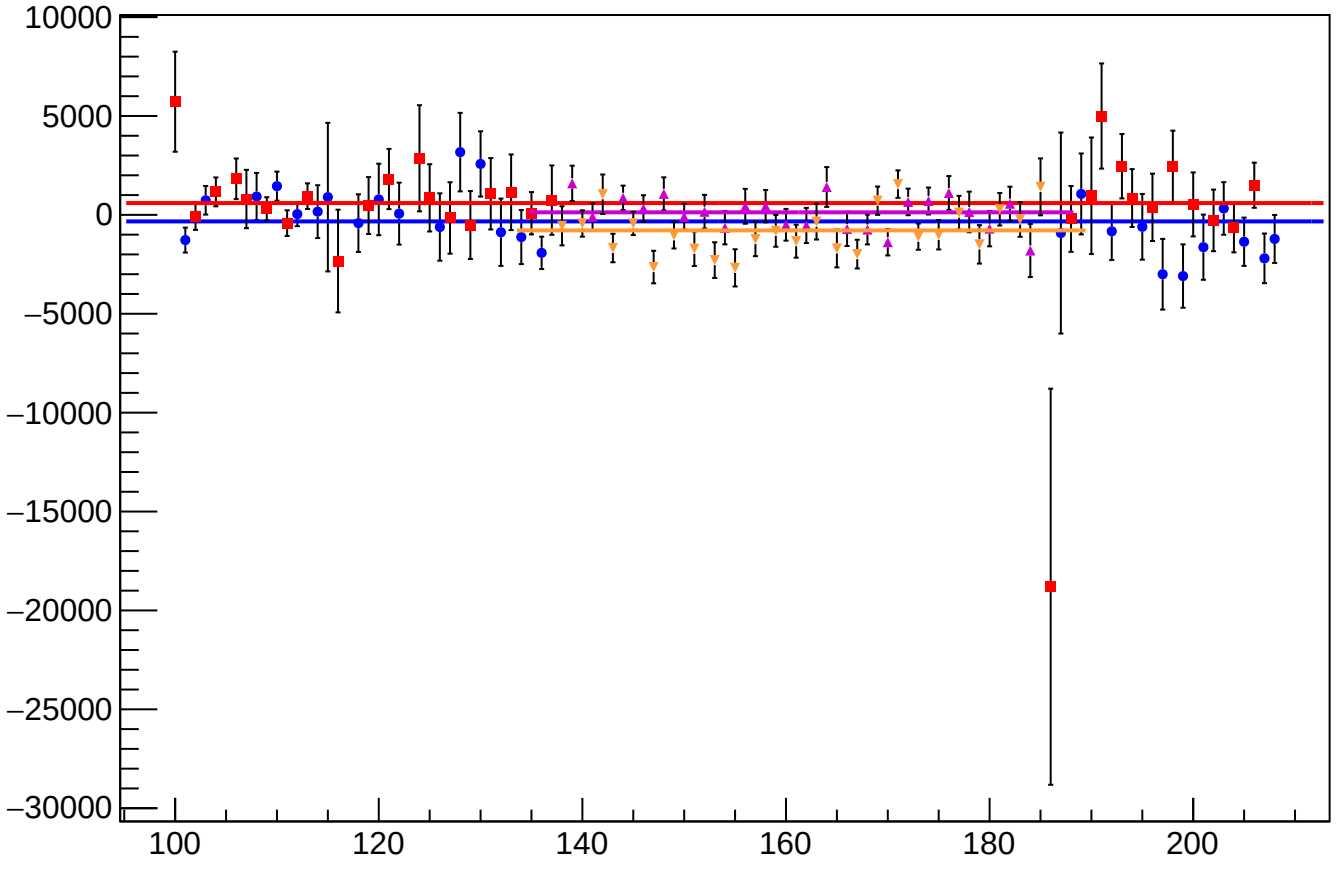
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 103.476+/-0.014 χ^2/NDF: 5877137.0/57

In: 109.154+/-0.014 χ^2/NDF:3711049.7/49

Out: 108.171+/-0.013 χ^2/NDF:5344840.1/55

All: 108.652+/-0.010 χ^2/NDF: 9058517.2/105



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.304+/-215.611 χ^2/NDF: 24.8/30

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

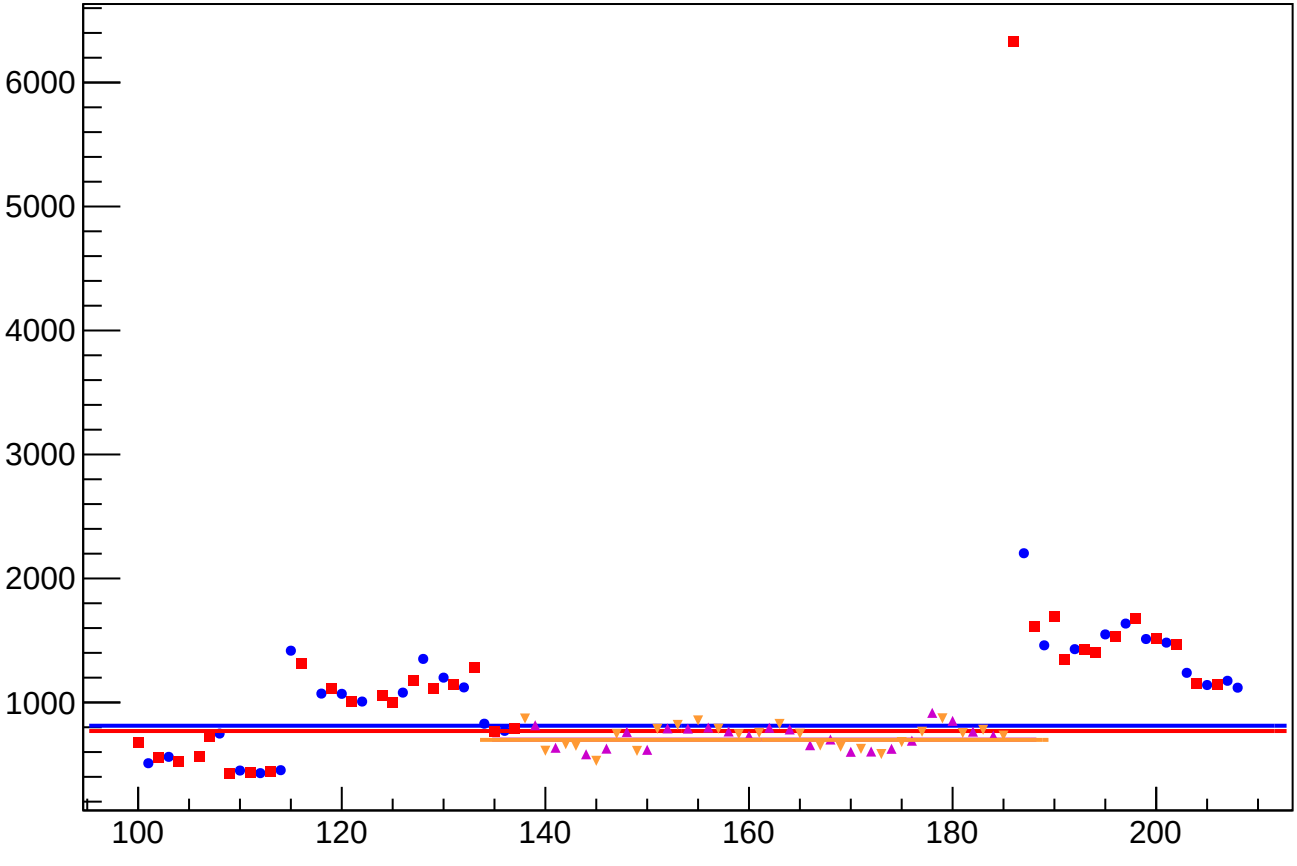
Right: 154.888+/-155.966 χ^2/NDF: 66.7/57

In: -31.813+/-133.373 χ^2/NDF:58.5/49

Out: -291.751+/-128.736 χ^2/NDF:96.6/55

All: -166.380+/-92.626 χ^2/NDF: 157.1/105

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 812.294+/-0.160 χ^2/NDF: 5583020.3/26

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 769.517+/-0.152 χ^2/NDF: 7202662.5/30

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

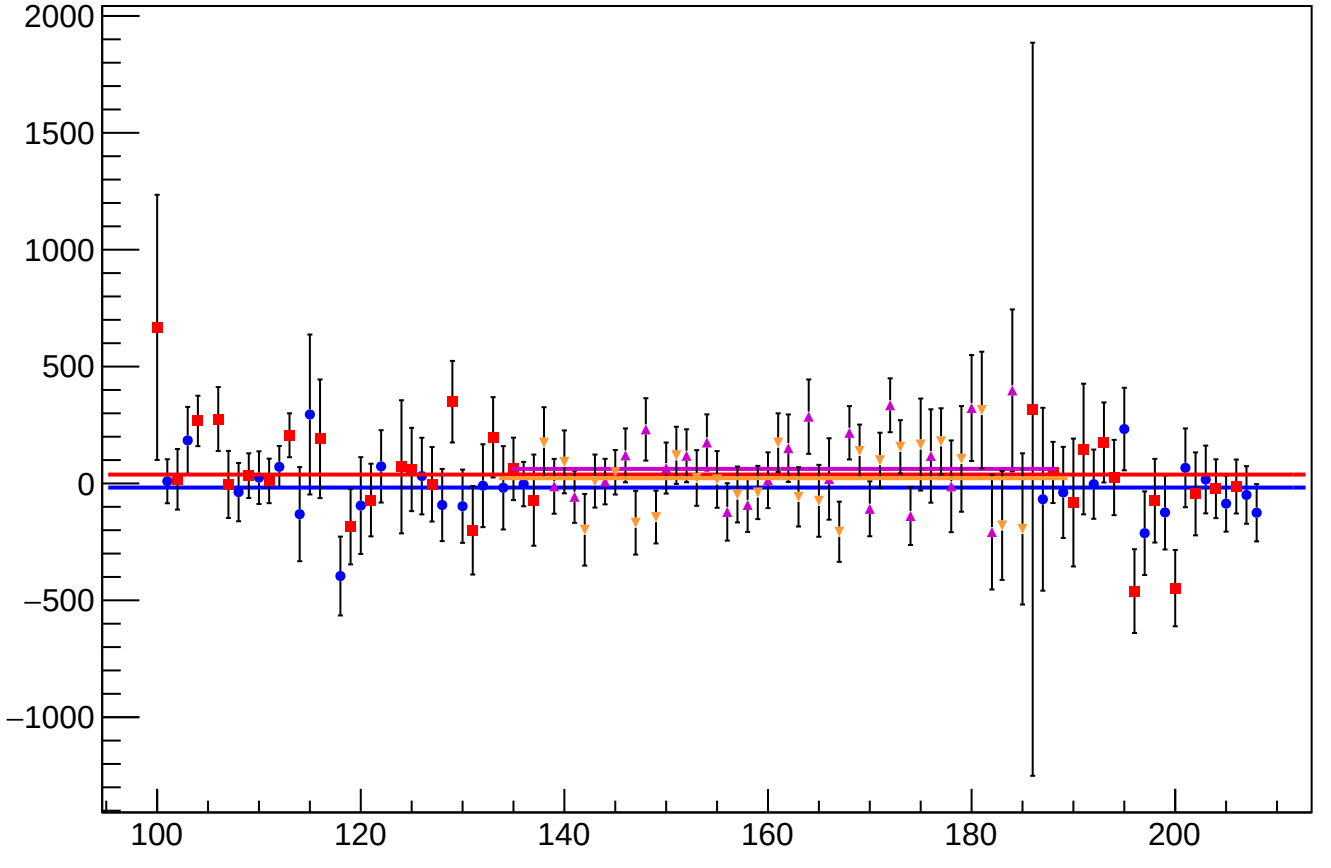
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 789.911+/-0.110 χ^2/NDF: 12823212.9/57

In: 739.200+/-0.094 χ^2/NDF:6488839.3/49

Out: 723.648+/-0.091 χ^2/NDF:8058010.8/55

All: 731.149+/-0.065 χ^2/NDF: 14560927.7/10



Right In: -17.566+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 38.029+/-27.052 χ^2/NDF: 39.7/30

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

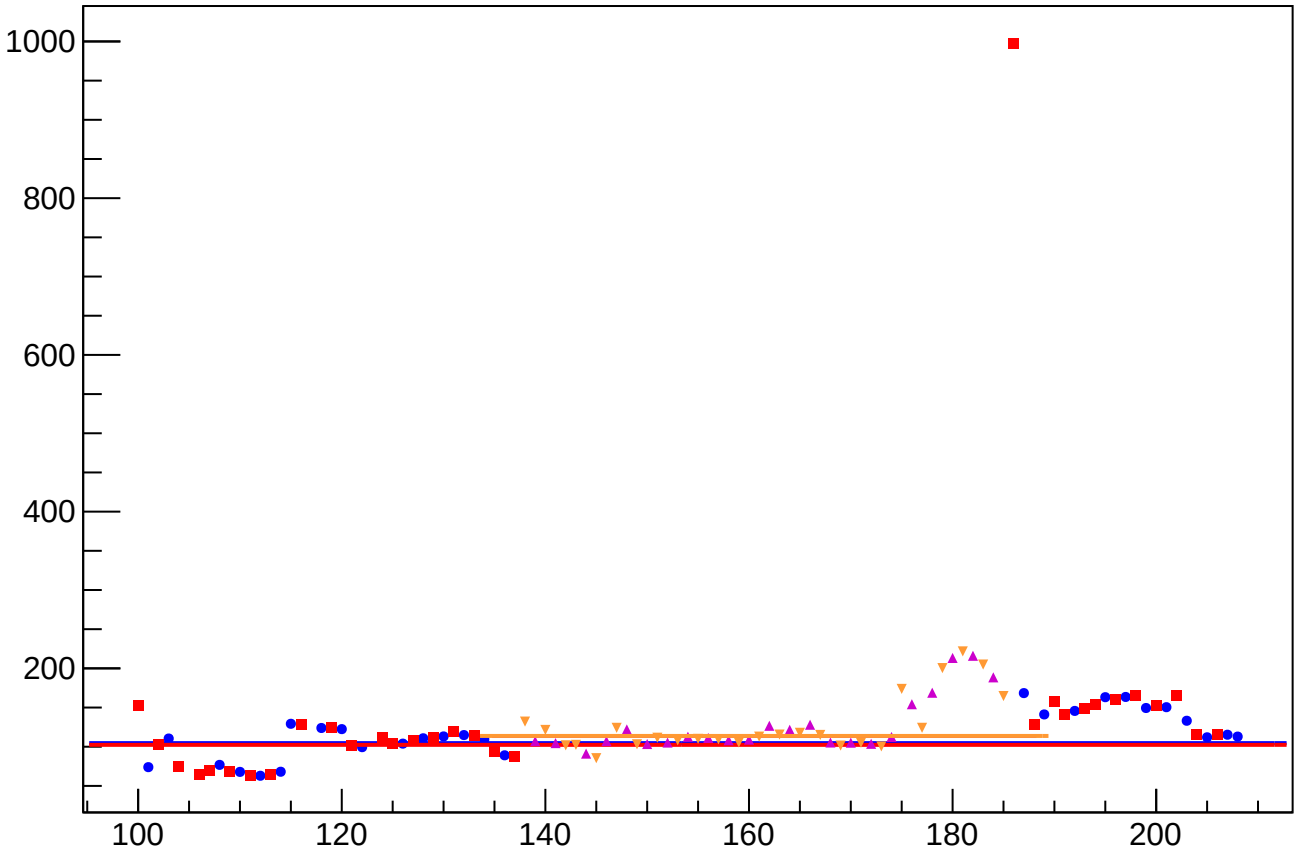
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 10.673+/-19.280 χ^2/NDF: 57.4/57

In: 22.514+/-19.383 χ^2/NDF:47.2/49

Out: 30.169+/-18.982 χ^2/NDF:61.4/55

All: 26.421+/-13.562 χ^2/NDF: 108.7/105



Right In: 104.583+/-0.019 χ^2/NDF: 2284944.2/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 102.403+/-0.019 χ^2/NDF: 3585790.0/30

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

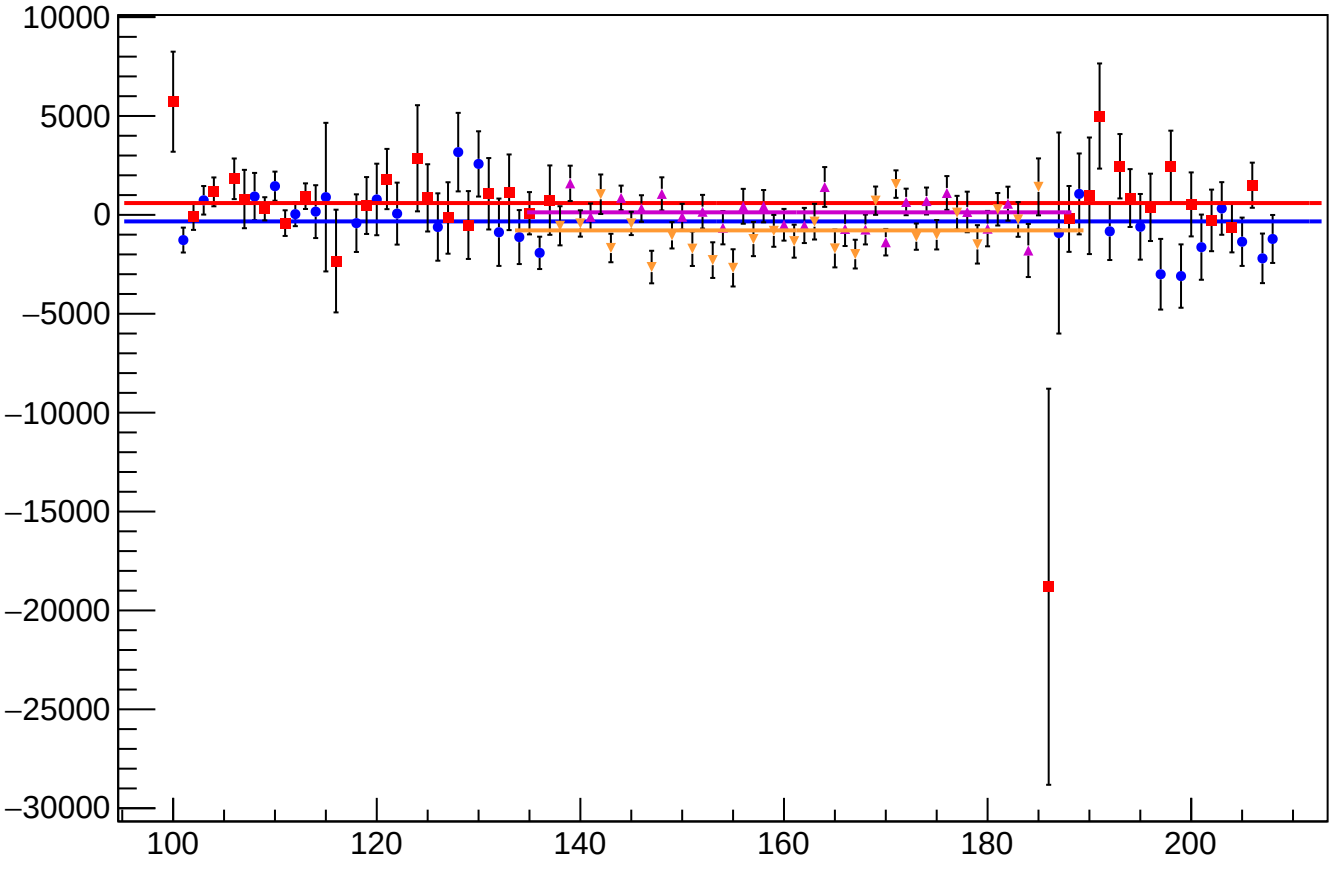
Right: 103.476+/-0.014 χ^2/NDF: 5877128.0/57

In: 109.154+/-0.014 χ^2/NDF:3711020.8/49

Out: 108.171+/-0.013 χ^2/NDF:5344840.2/55

All: 108.652+/-0.010 χ^2/NDF: 9058488.5/105

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 597.304+/-215.611 χ^2/NDF: 24.8/30

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

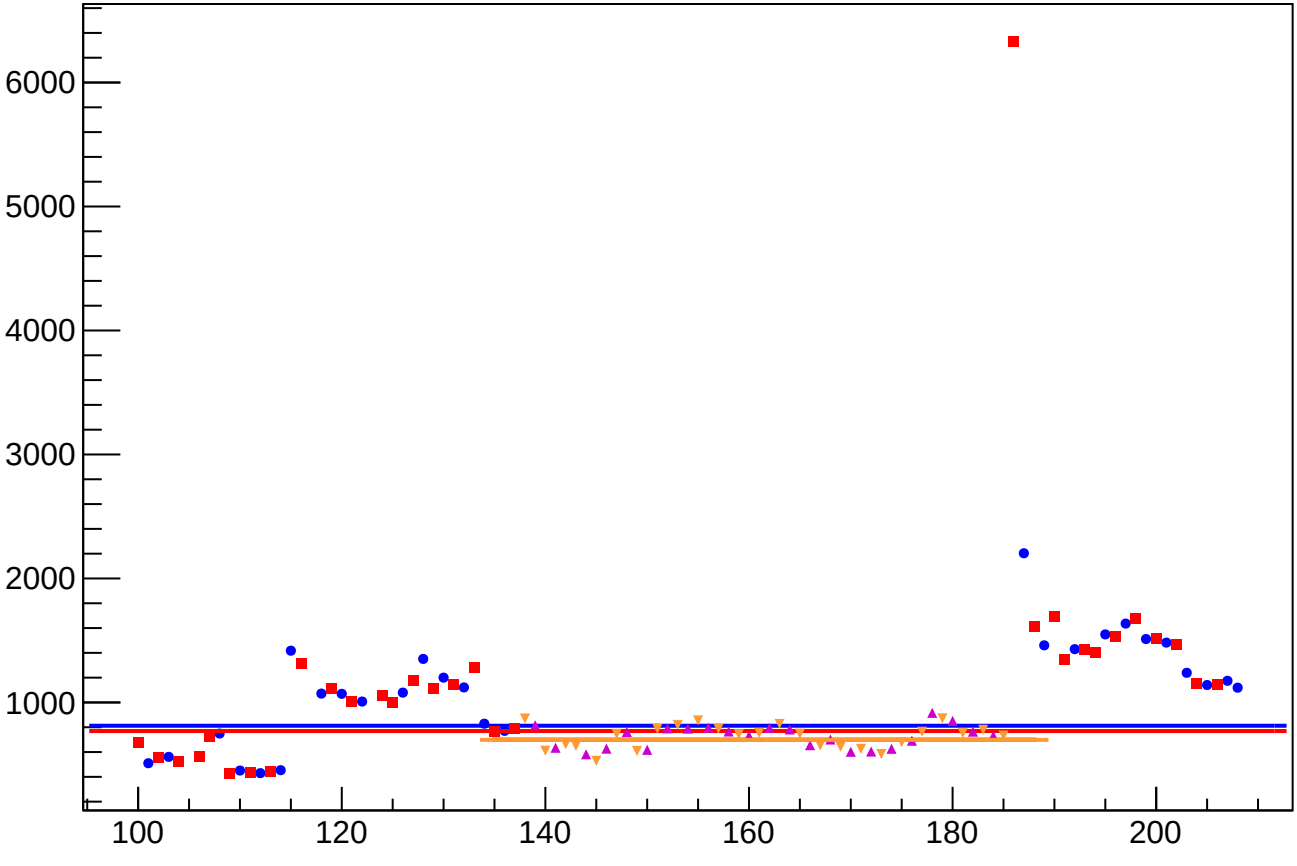
Right: 154.888+/-155.966 χ^2/NDF: 66.7/57

In: -31.814+/-133.373 χ^2/NDF:58.5/49

Out: -291.750+/-128.736 χ^2/NDF:96.6/55

All: -166.380+/-92.626 χ^2/NDF: 157.1/105

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 812.293+/-0.160 χ^2/NDF: 5583021.6/26

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 769.516+/-0.152 χ^2/NDF: 7202658.3/30

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

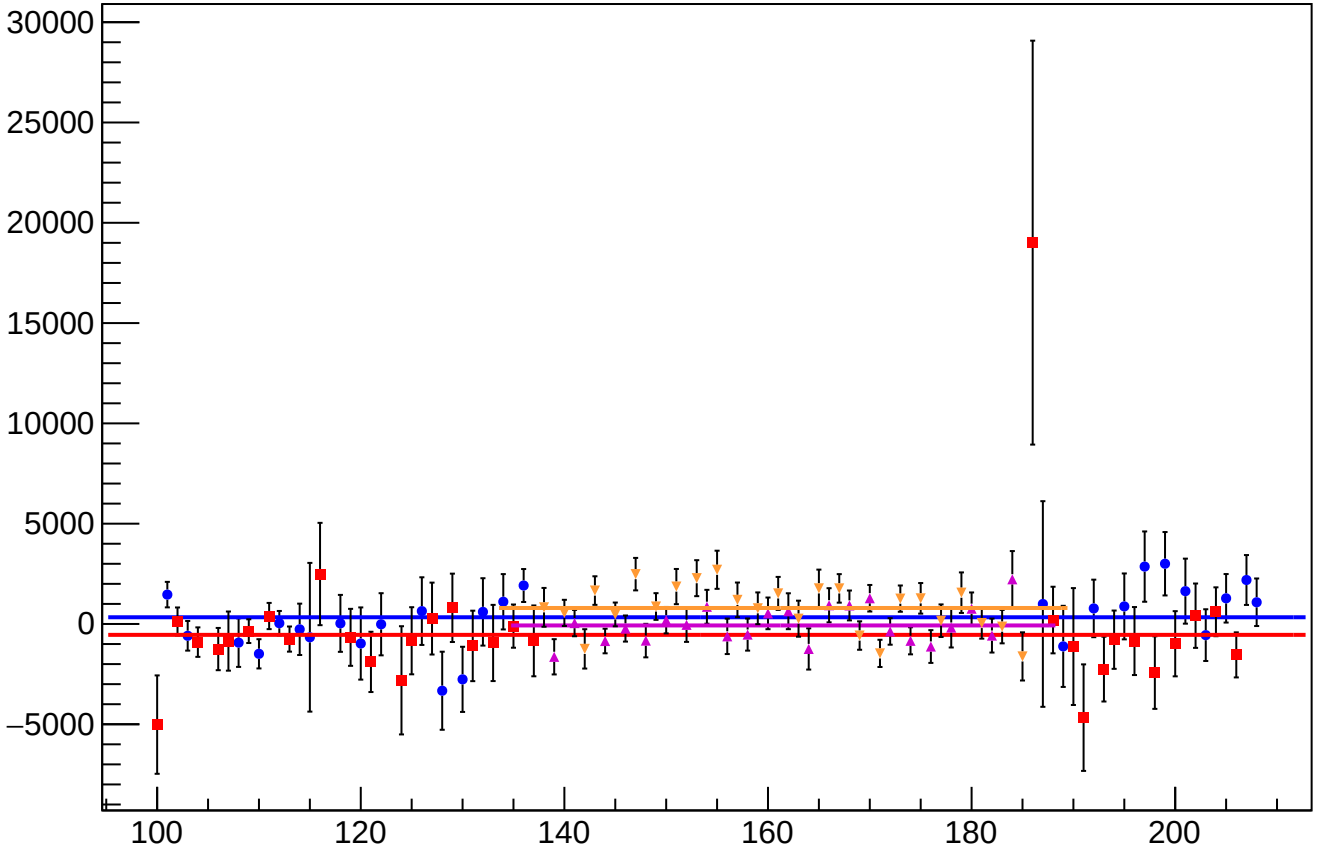
Right: 789.910+/-0.110 χ^2/NDF: 12823209.9/57

In: 739.200+/-0.094 χ^2/NDF:6488834.8/49

Out: 723.648+/-0.091 χ^2/NDF:8058004.9/55

All: 731.149+/-0.065 χ^2/NDF: 14560917.5/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 334.444+/-225.267 χ^2/NDF: 34.5/26

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -542.843+/-215.277 χ^2/NDF: 22.2/30

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

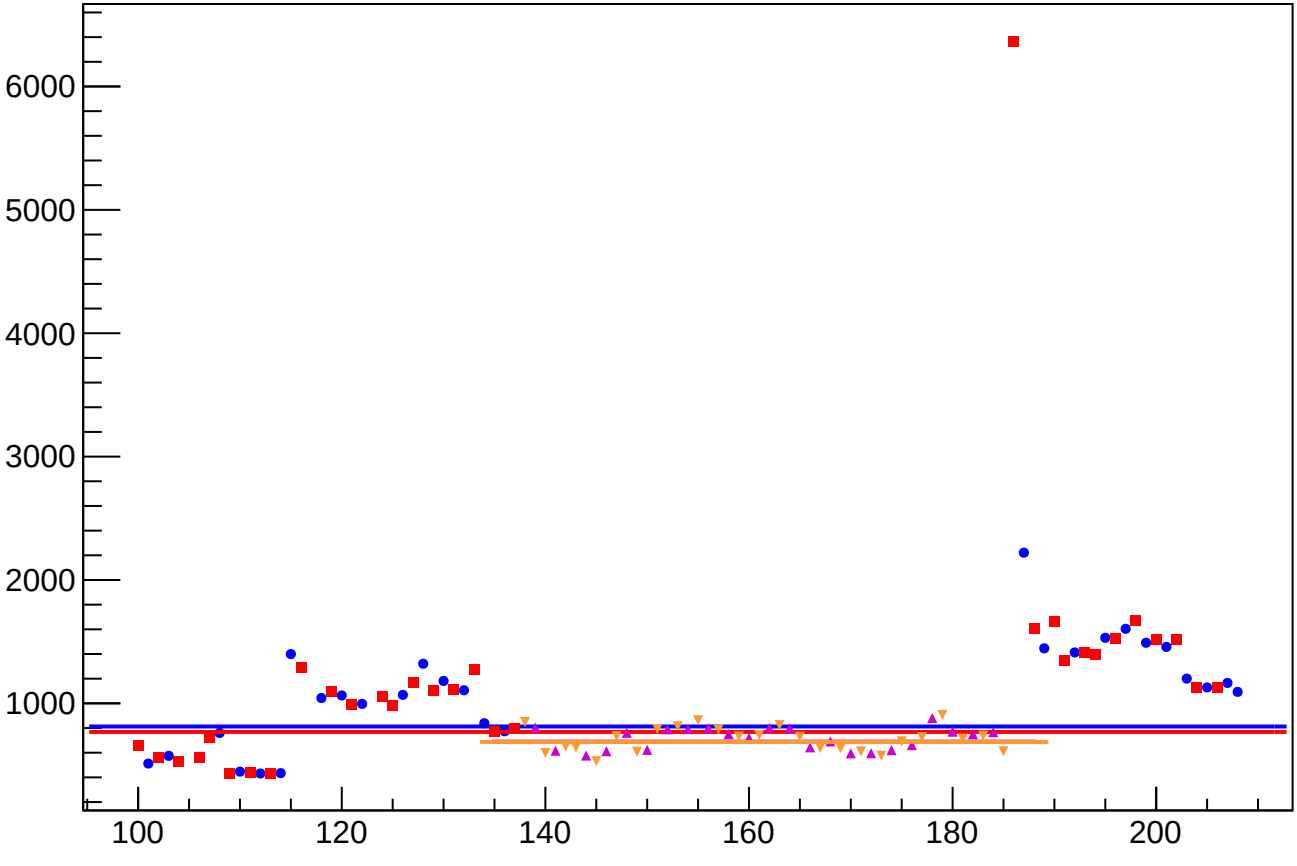
Right: -124.084+/-155.635 χ^2/NDF: 64.6/57

In: 66.553+/-131.991 χ^2/NDF:61.5/49

Out: 327.329+/-127.449 χ^2/NDF:93.7/55

All: 201.505+/-91.684 χ^2/NDF: 157.3/105

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 812.429+/-0.159 χ^2/NDF: 5402960.2/26

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 768.436+/-0.152 χ^2/NDF: 7151011.6/30

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

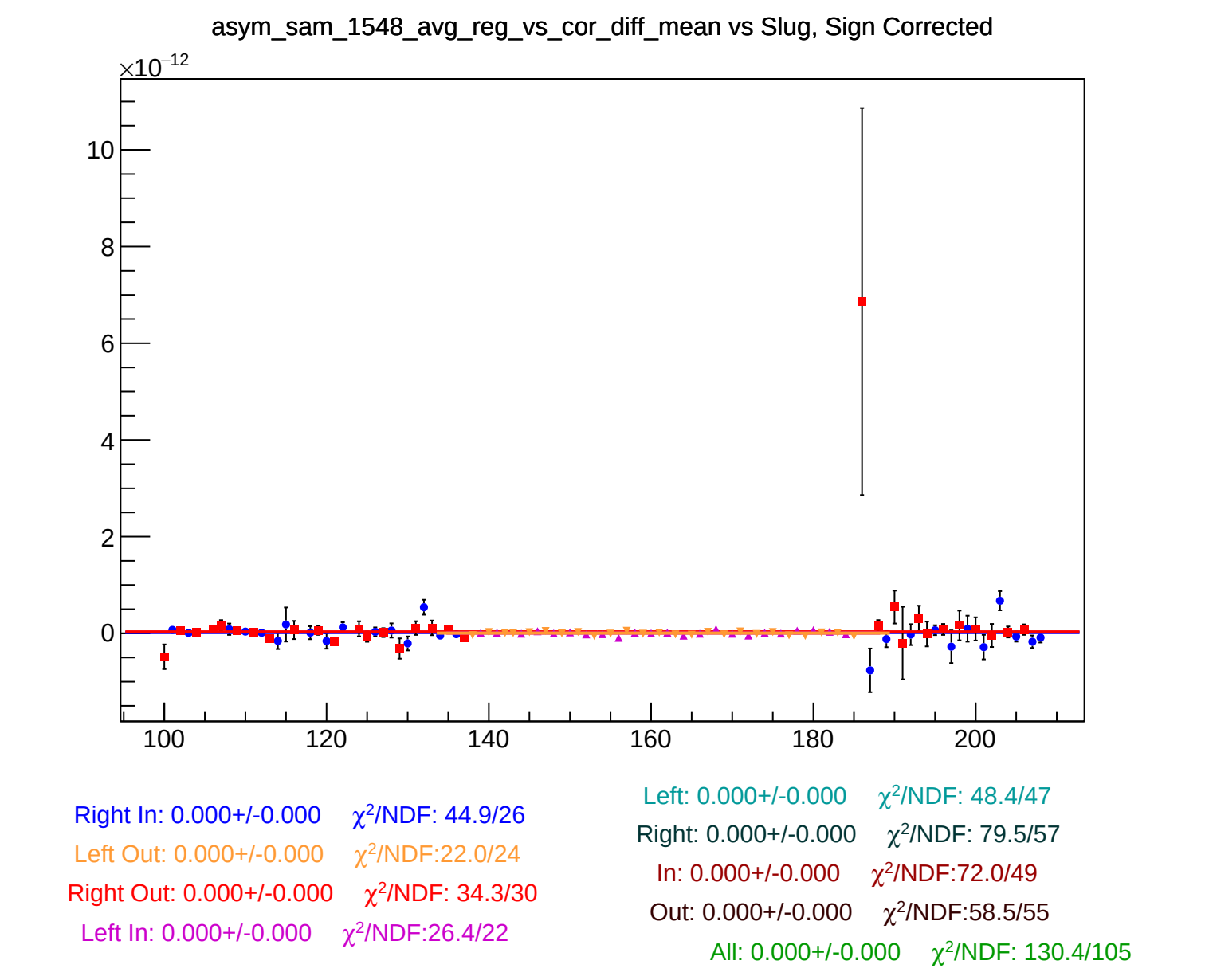
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

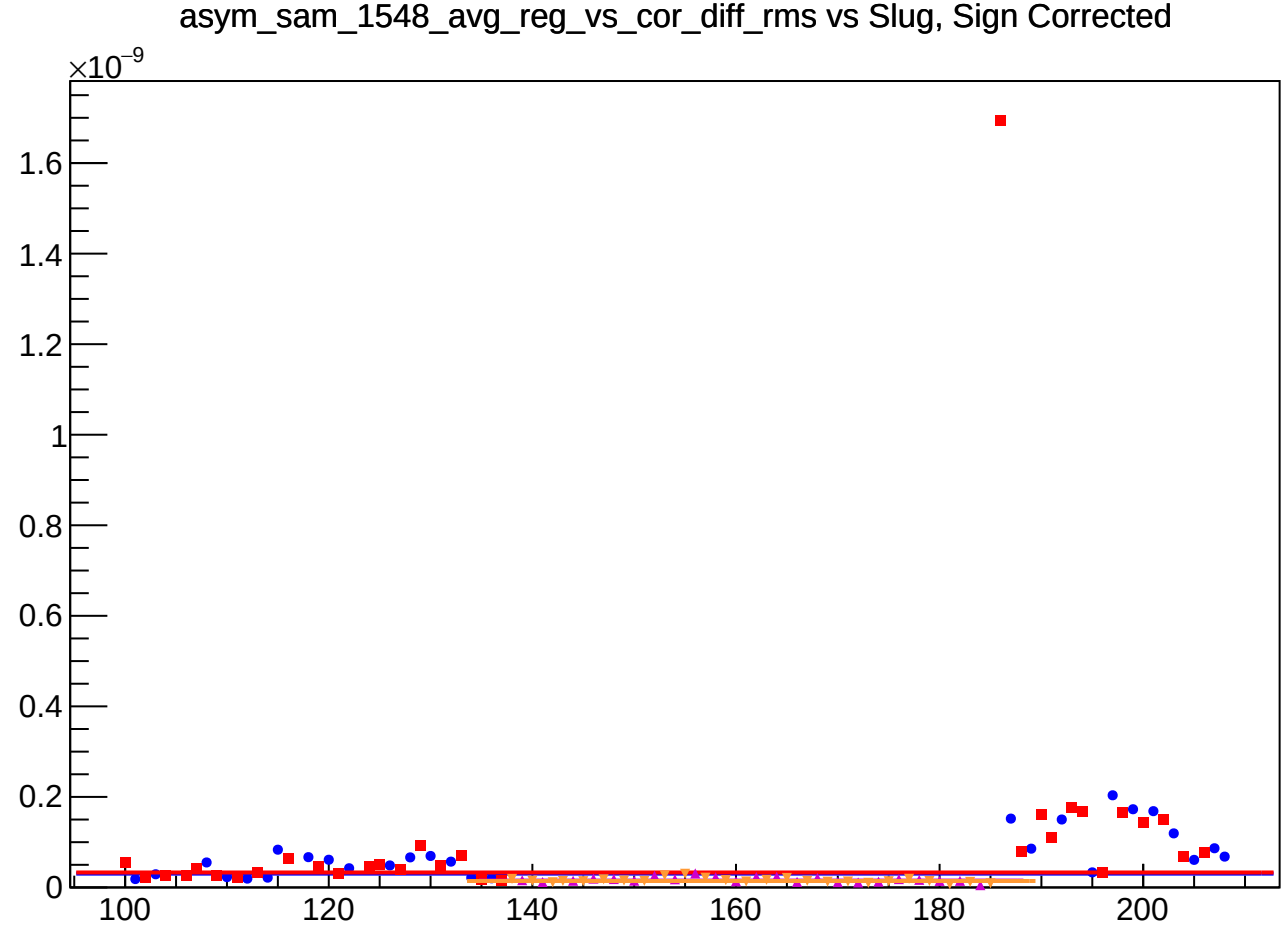
Right: 789.435+/-0.110 χ^2/NDF: 12593839.9/57

In: 732.030+/-0.093 χ^2/NDF:6358006.0/49

Out: 715.701+/-0.090 χ^2/NDF:8063787.1/55

All: 723.579+/-0.065 χ^2/NDF: 14437633.9/10


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 44.9/26
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.3/30
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: 79.5/57
In: 0.000+/-0.000 χ²/NDF:72.0/49
Out: 0.000+/-0.000 χ²/NDF:58.5/55
All: 0.000+/-0.000 χ²/NDF: 130.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 5427676.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5088135.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

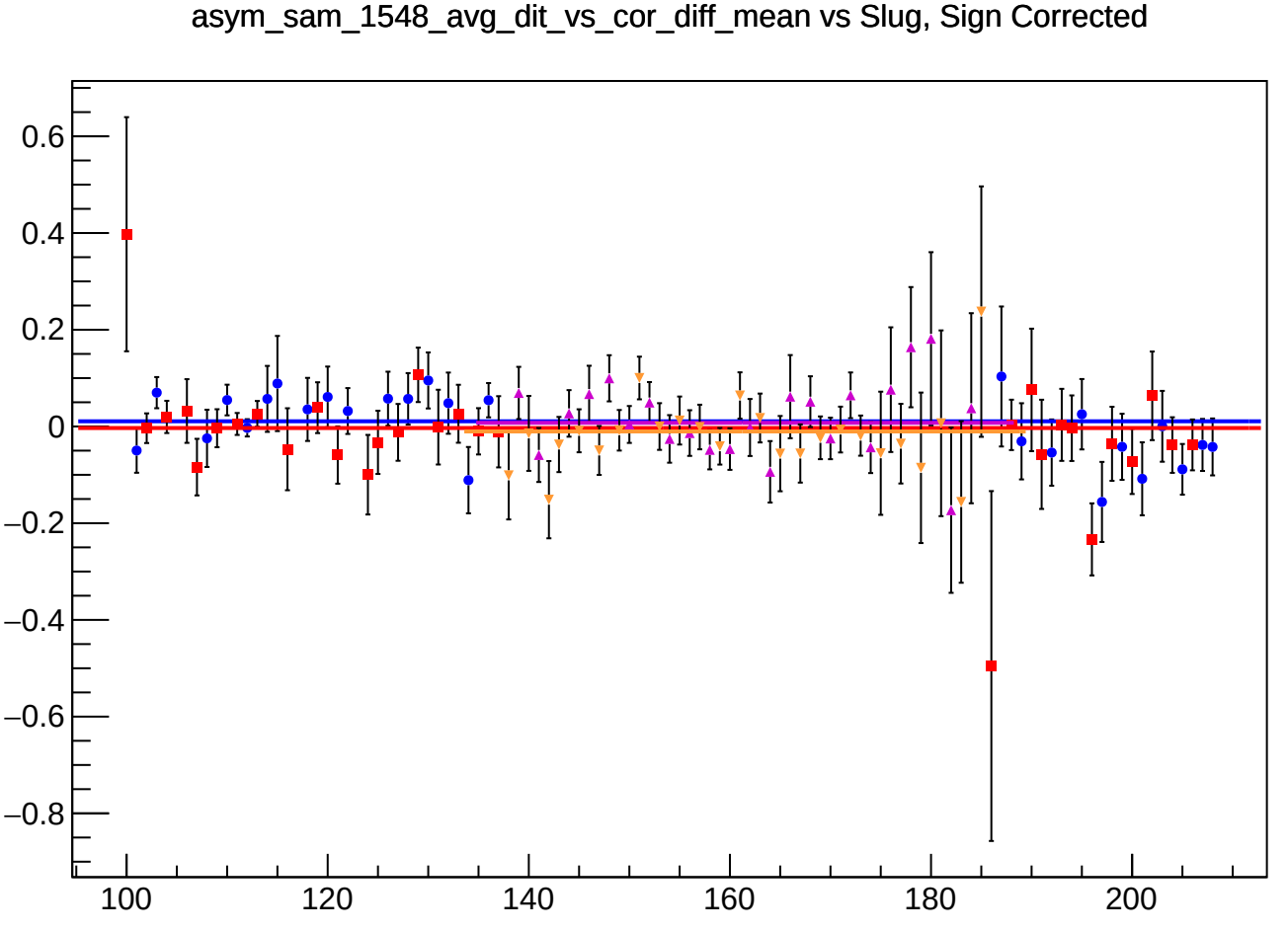
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10545062.4/57

In: 0.000+/-0.000 χ^2/NDF:8457052.4/49

Out: 0.000+/-0.000 χ^2/NDF:8675913.9/55

All: 0.000+/-0.000 χ^2/NDF: 17168133.0/105



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

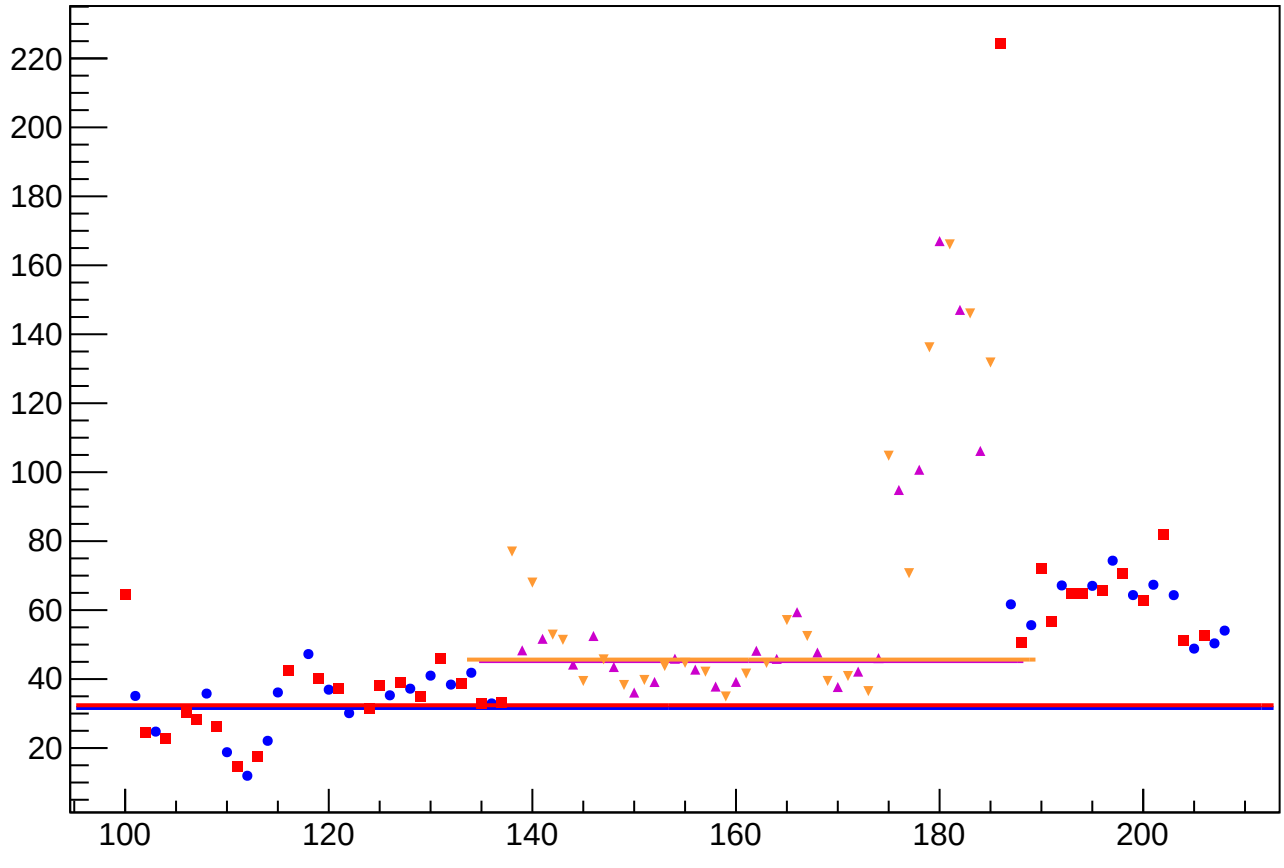
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.004+/-0.007 χ^2/NDF: 62.6/57

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 105.5/105



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

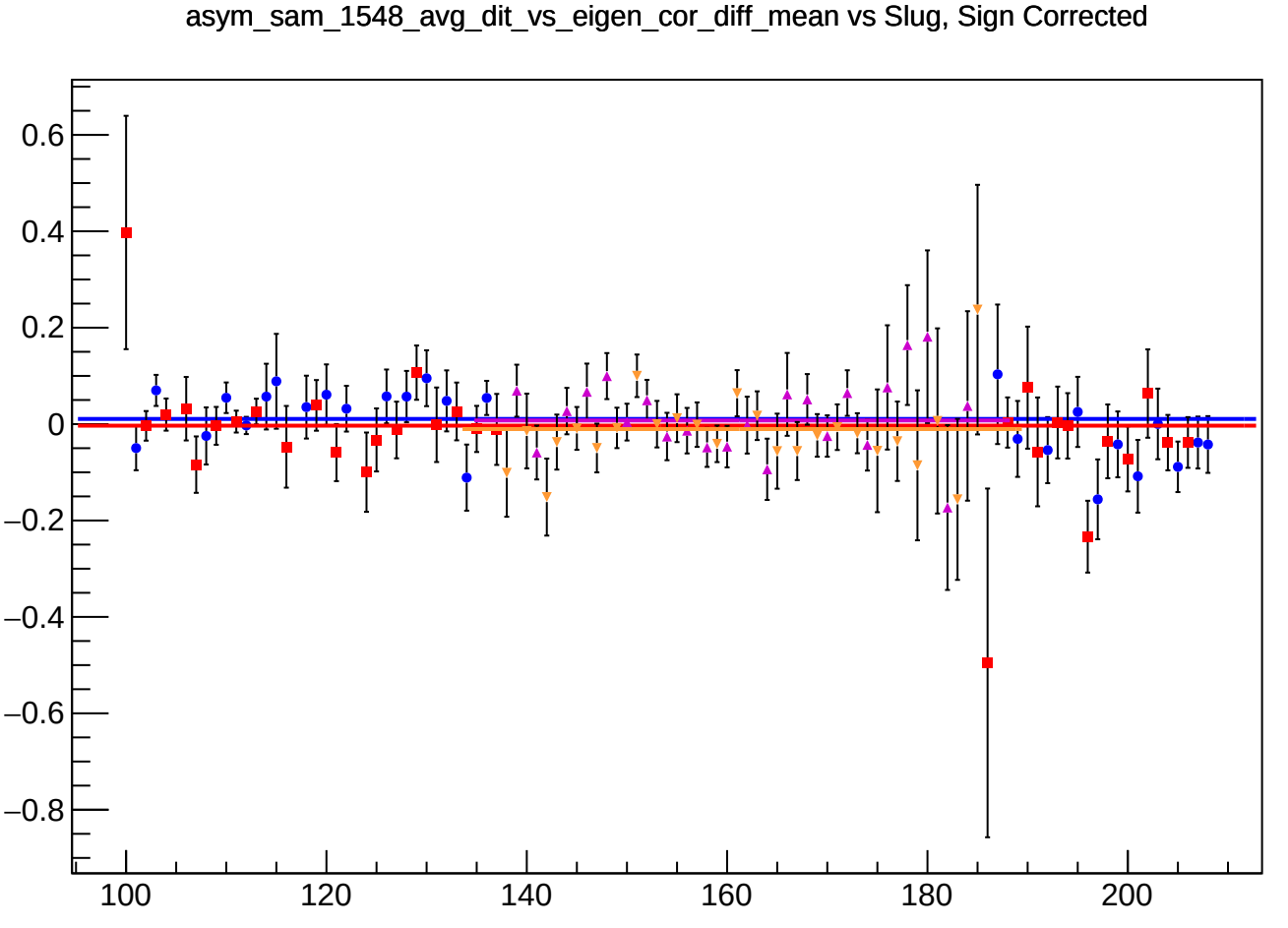
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 32.013+/-0.005 χ^2/NDF: 13872245.6/57

In: 37.018+/-0.005 χ^2/NDF:11759540.4/49

Out: 37.757+/-0.005 χ^2/NDF:12468662.9/55

All: 37.389+/-0.004 χ^2/NDF: 24238822.5/105



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

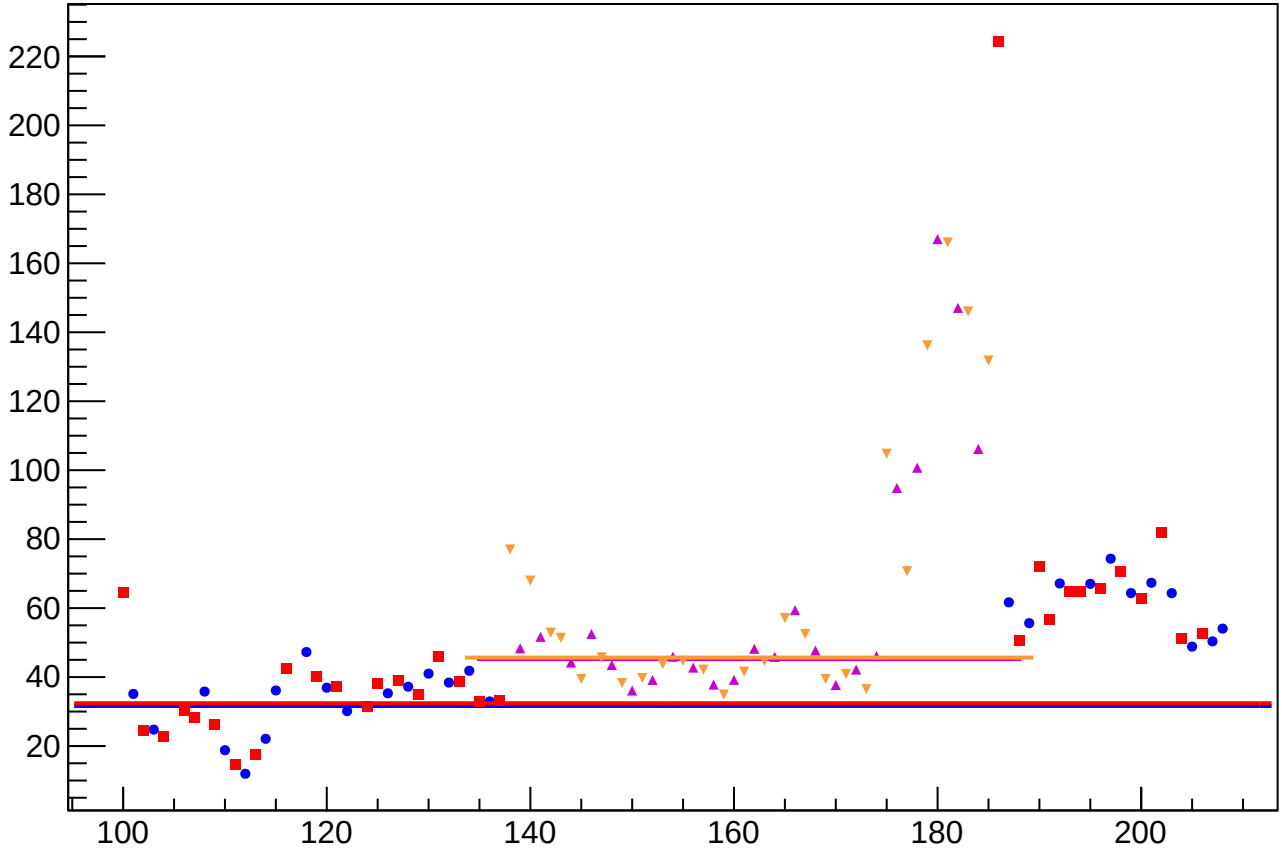
Right: 0.004+/-0.007 χ^2/NDF: 62.6/57

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 105.5/105

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

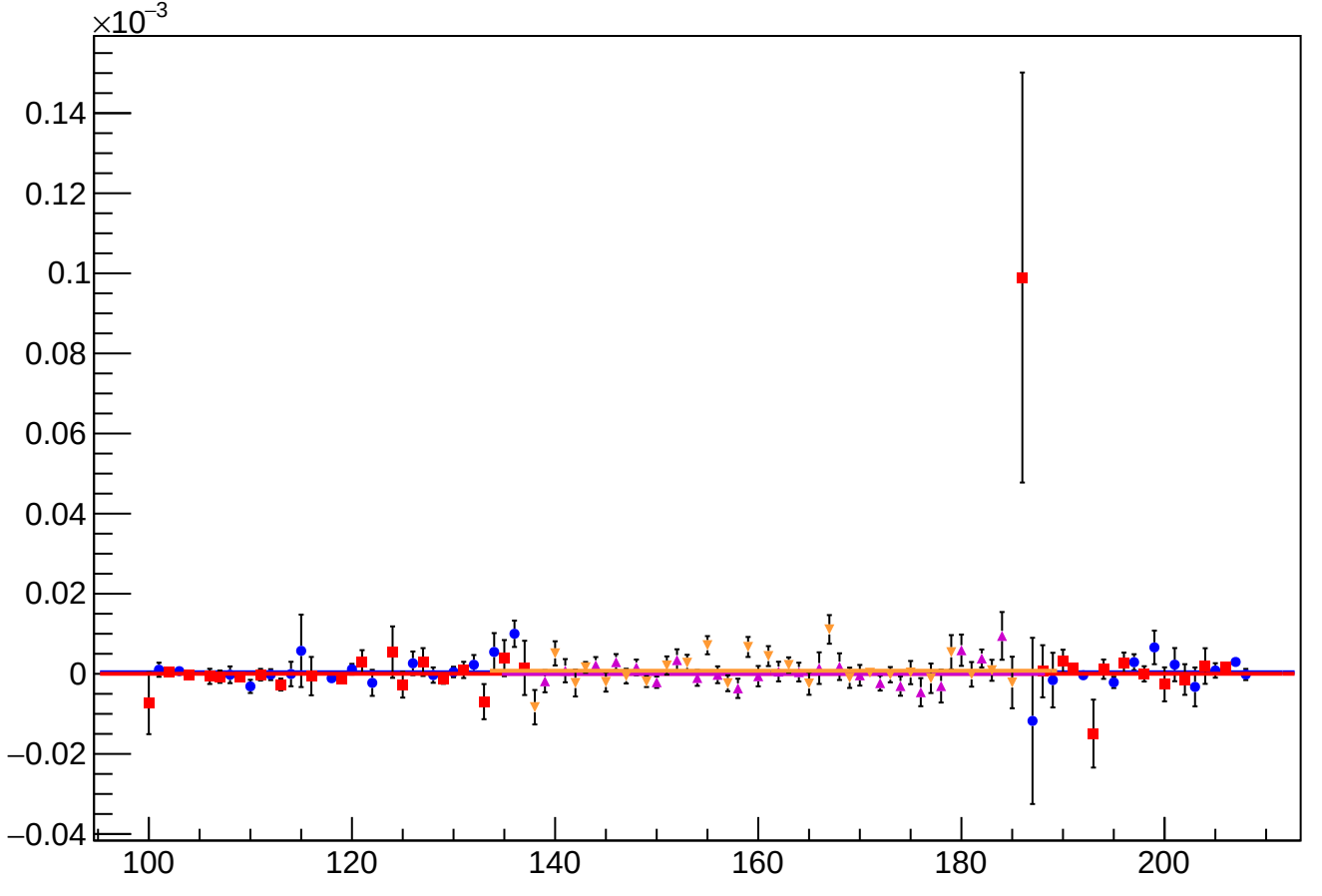
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 32.013+/-0.005 χ^2/NDF: 13872245.6/57

In: 37.018+/-0.005 χ^2/NDF:11759540.4/49

Out: 37.757+/-0.005 χ^2/NDF:12468662.9/55

All: 37.389+/-0.004 χ^2/NDF: 24238822.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/30

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

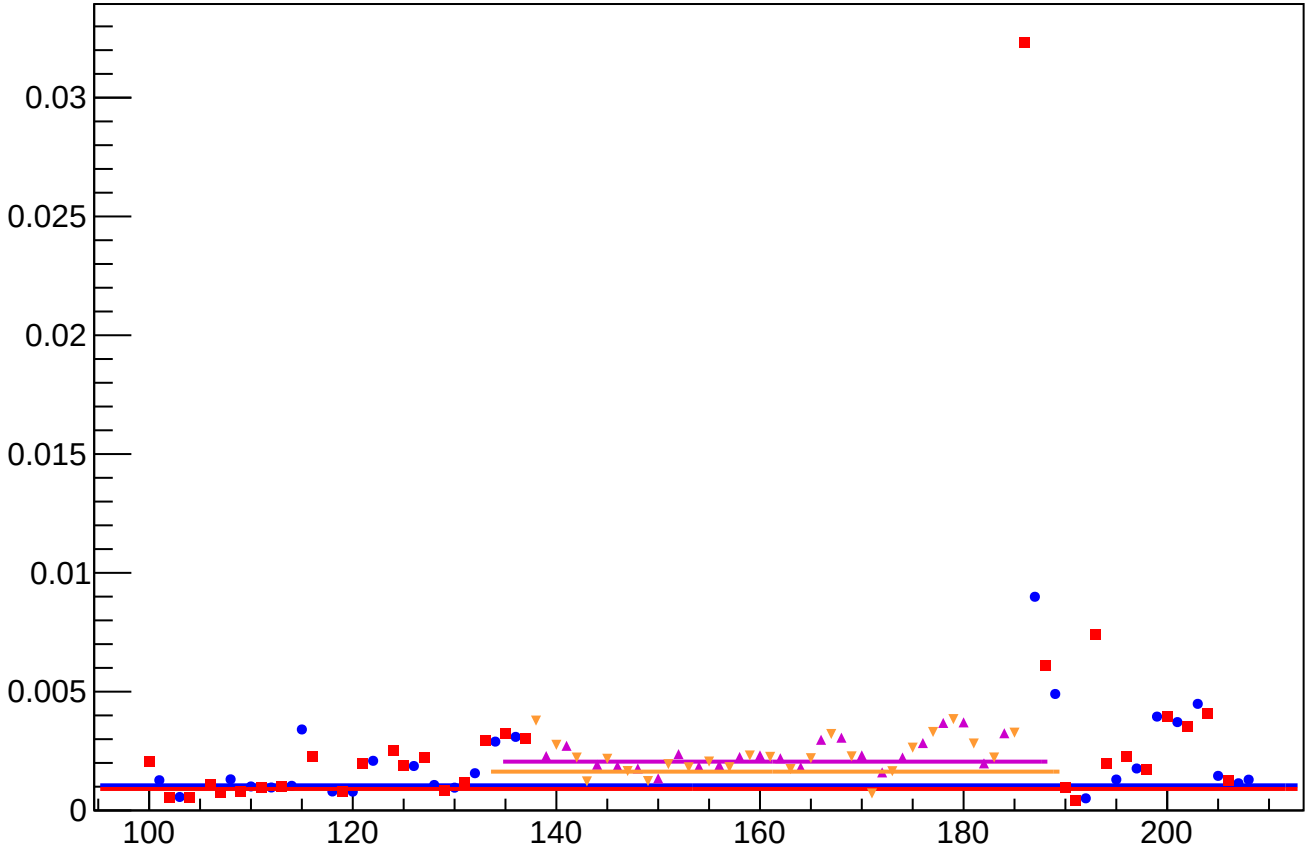
Right: 0.000+/-0.000 χ^2/NDF: 62.5/57

In: 0.000+/-0.000 χ^2/NDF:57.6/49

Out: 0.000+/-0.000 χ^2/NDF:77.4/55

All: 0.000+/-0.000 χ^2/NDF: 135.0/105

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7512250.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11899050.1/30

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

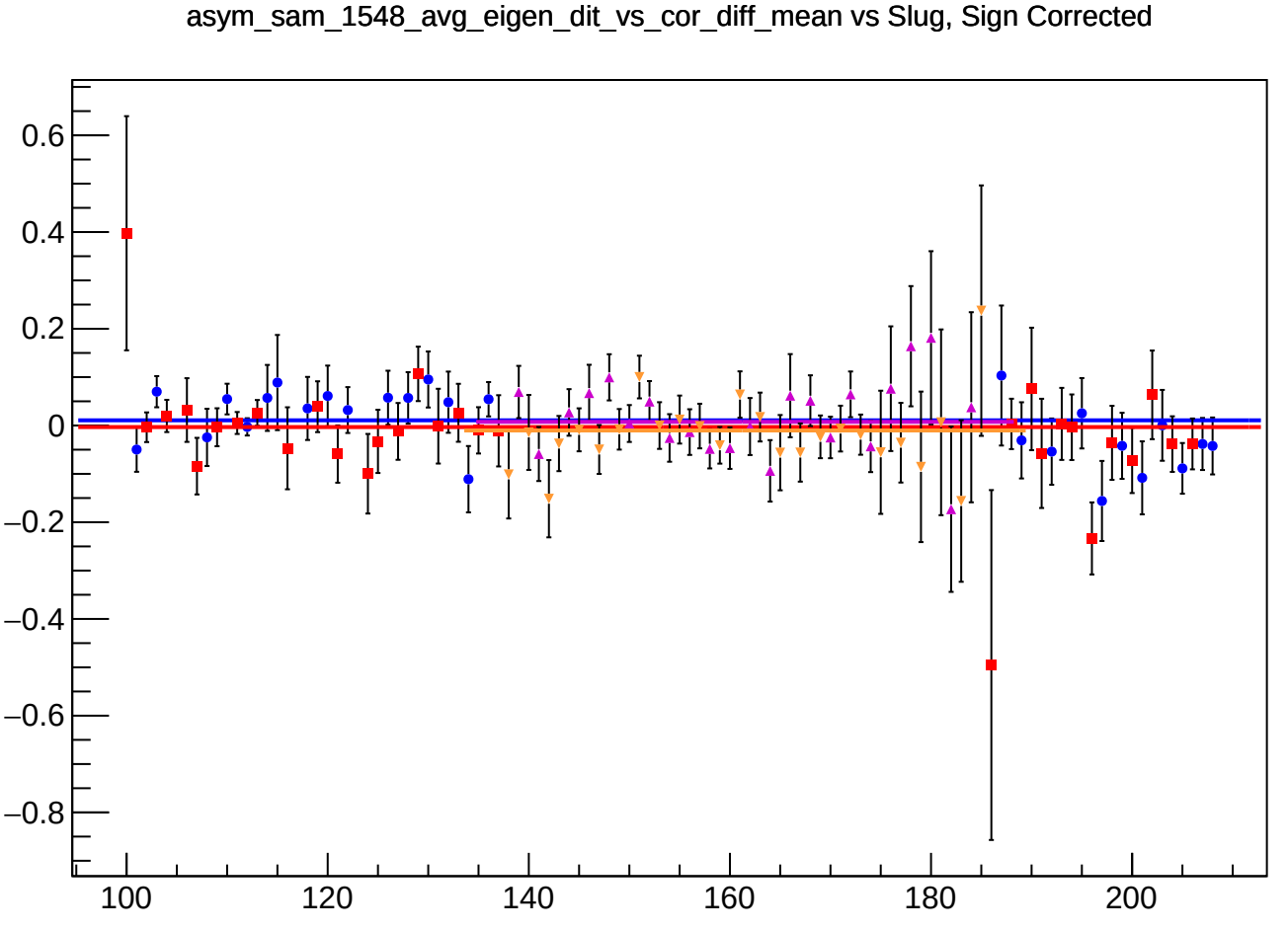
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 19657205.9/57

In: 0.001+/-0.000 χ^2/NDF:15177591.5/49

Out: 0.001+/-0.000 χ^2/NDF:22572940.9/55

All: 0.001+/-0.000 χ^2/NDF: 38386977.3/105



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

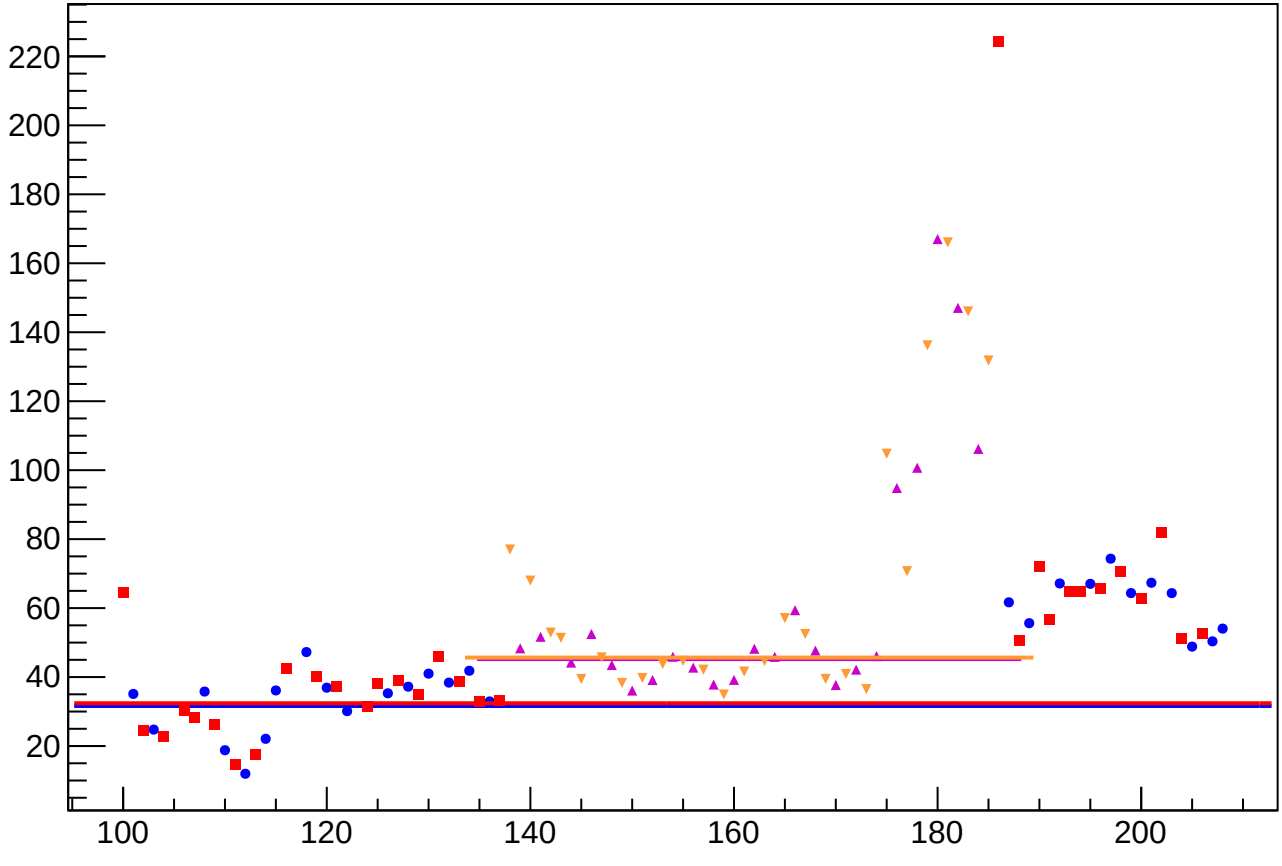
Right: 0.004+/-0.007 χ^2/NDF: 62.6/57

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 105.5/105

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

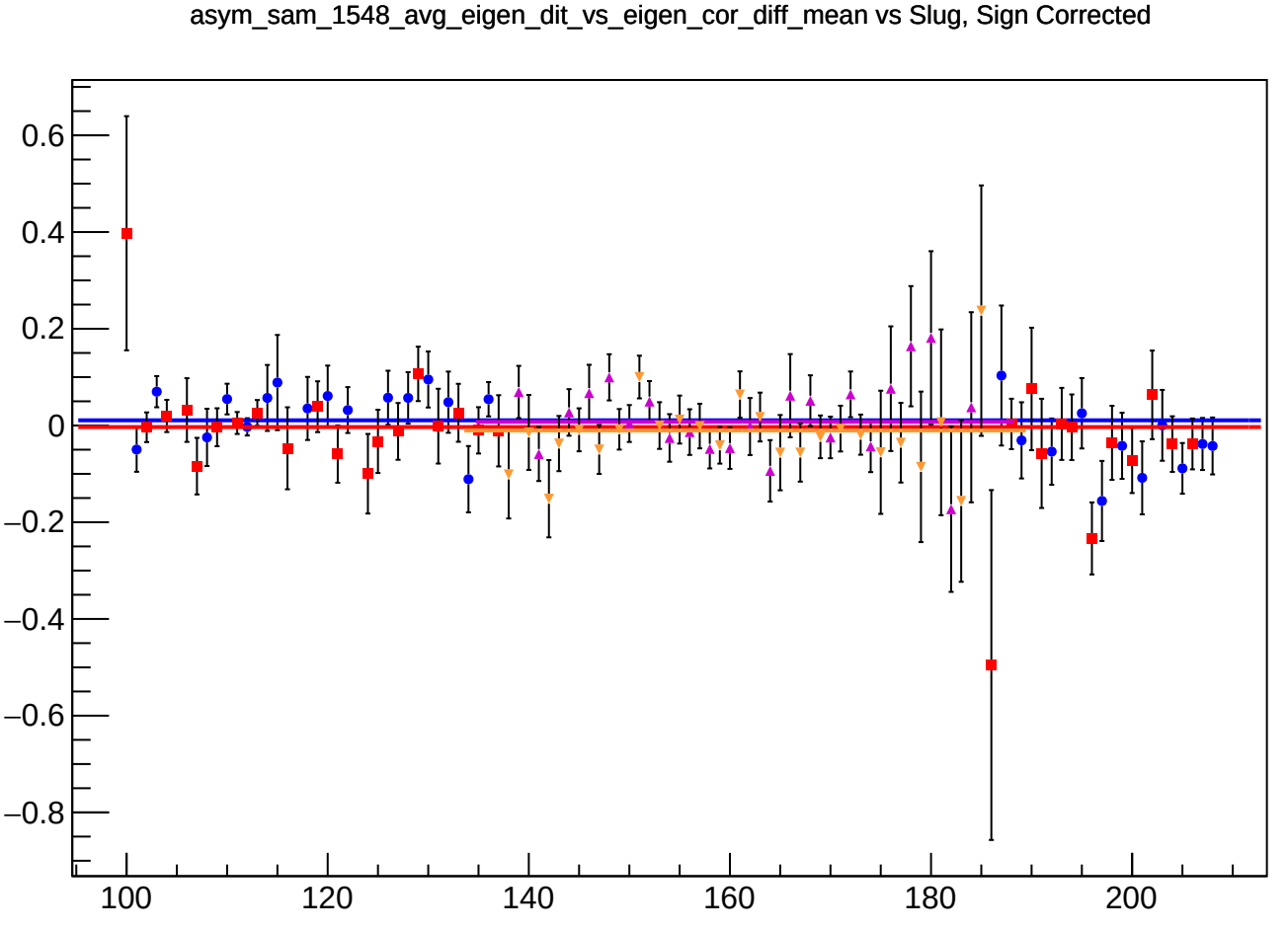
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 32.012+/-0.005 χ^2/NDF: 13872768.8/57

In: 37.017+/-0.005 χ^2/NDF:11759992.9/49

Out: 37.757+/-0.005 χ^2/NDF:12469039.8/55

All: 37.389+/-0.004 χ^2/NDF: 24239655.6/105



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.003+/-0.009 χ^2/NDF: 28.9/30

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

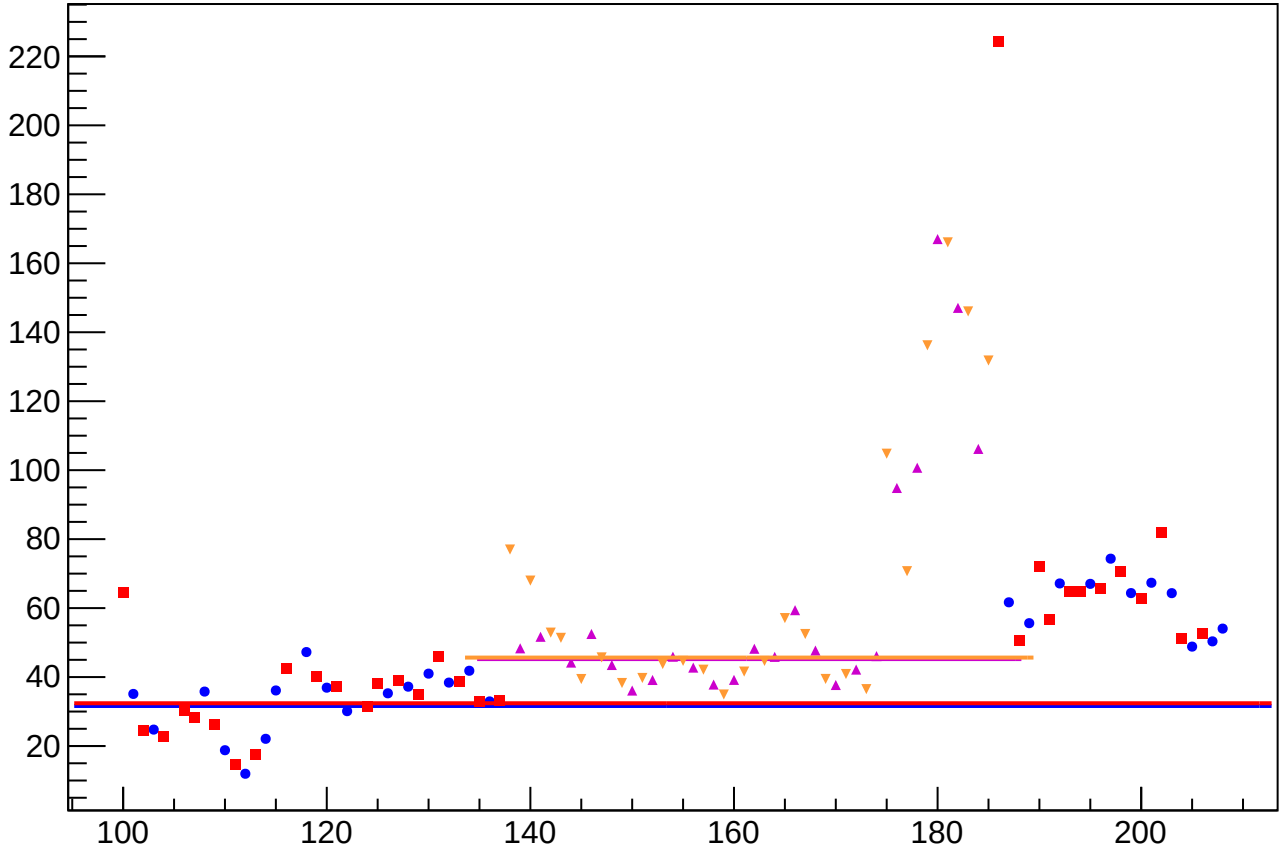
Right: 0.004+/-0.007 χ^2/NDF: 62.6/57

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 105.5/105

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

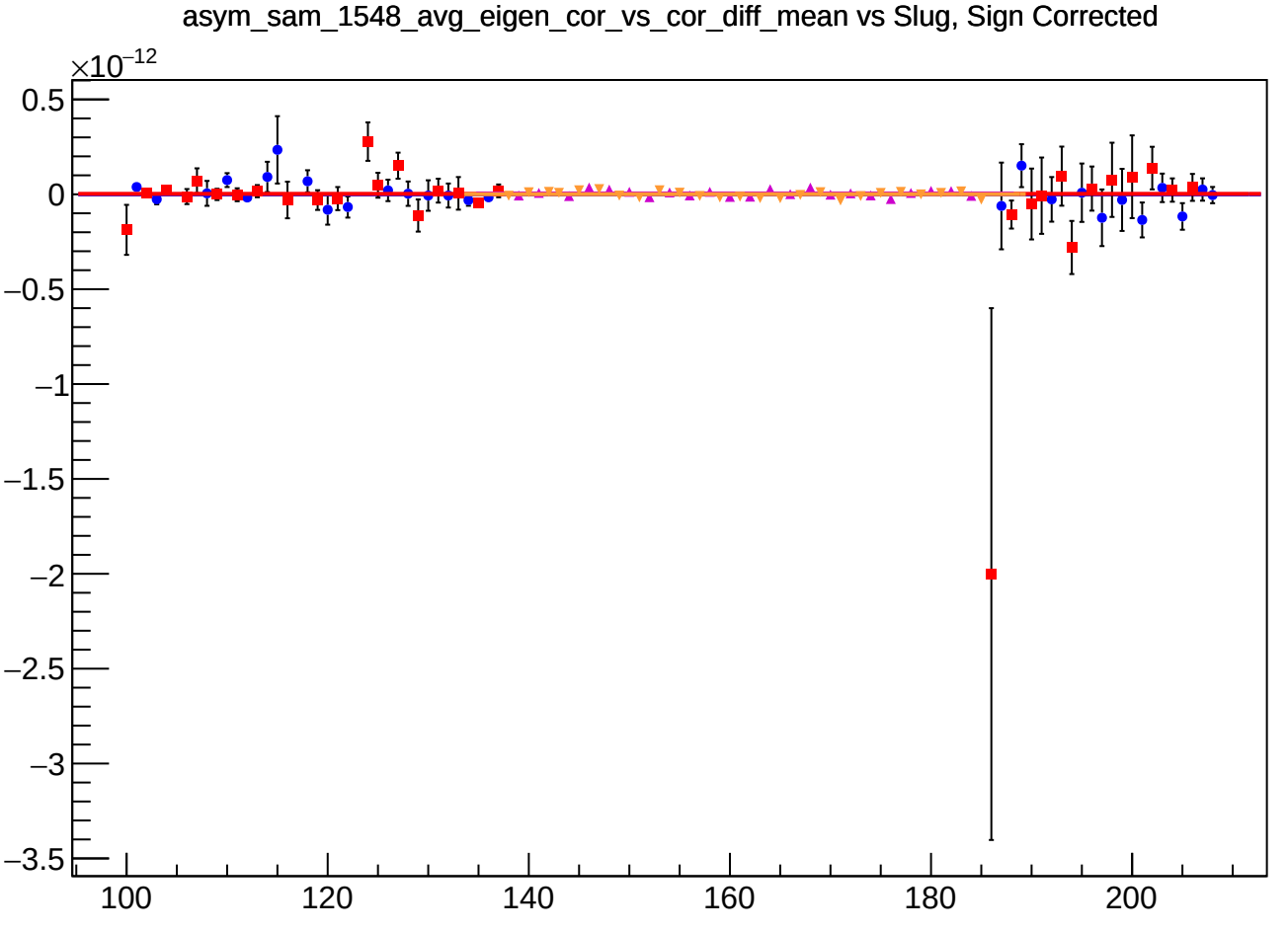
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 32.012+/-0.005 χ^2/NDF: 13872768.8/57

In: 37.017+/-0.005 χ^2/NDF:11759992.9/49

Out: 37.757+/-0.005 χ^2/NDF:12469039.8/55

All: 37.389+/-0.004 χ^2/NDF: 24239655.6/105



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/30

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

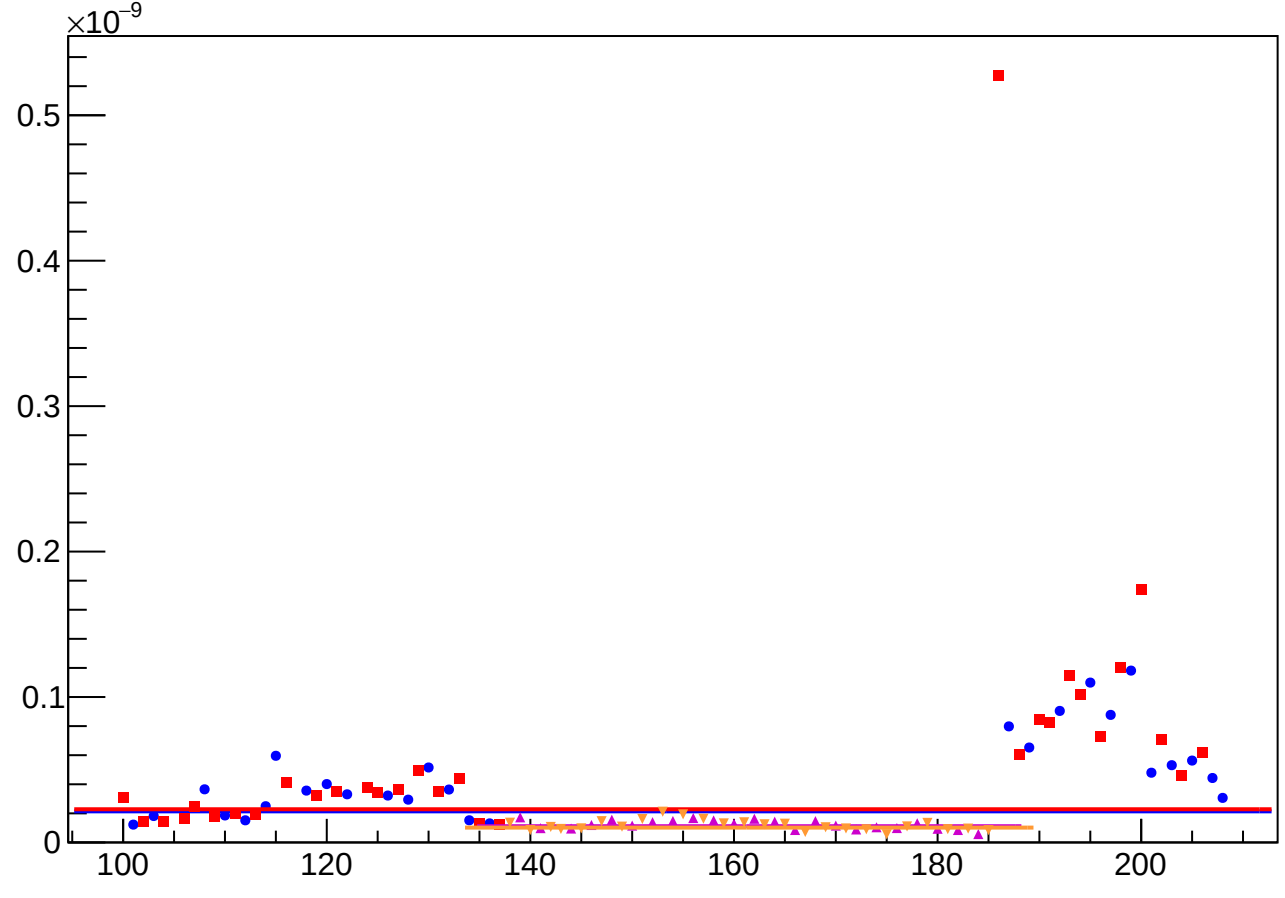
Right: 0.000+/-0.000 χ^2/NDF: 61.2/57

In: 0.000+/-0.000 χ^2/NDF:50.7/49

Out: 0.000+/-0.000 χ^2/NDF:59.8/55

All: 0.000+/-0.000 χ^2/NDF: 111.2/105

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6503842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7545203.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

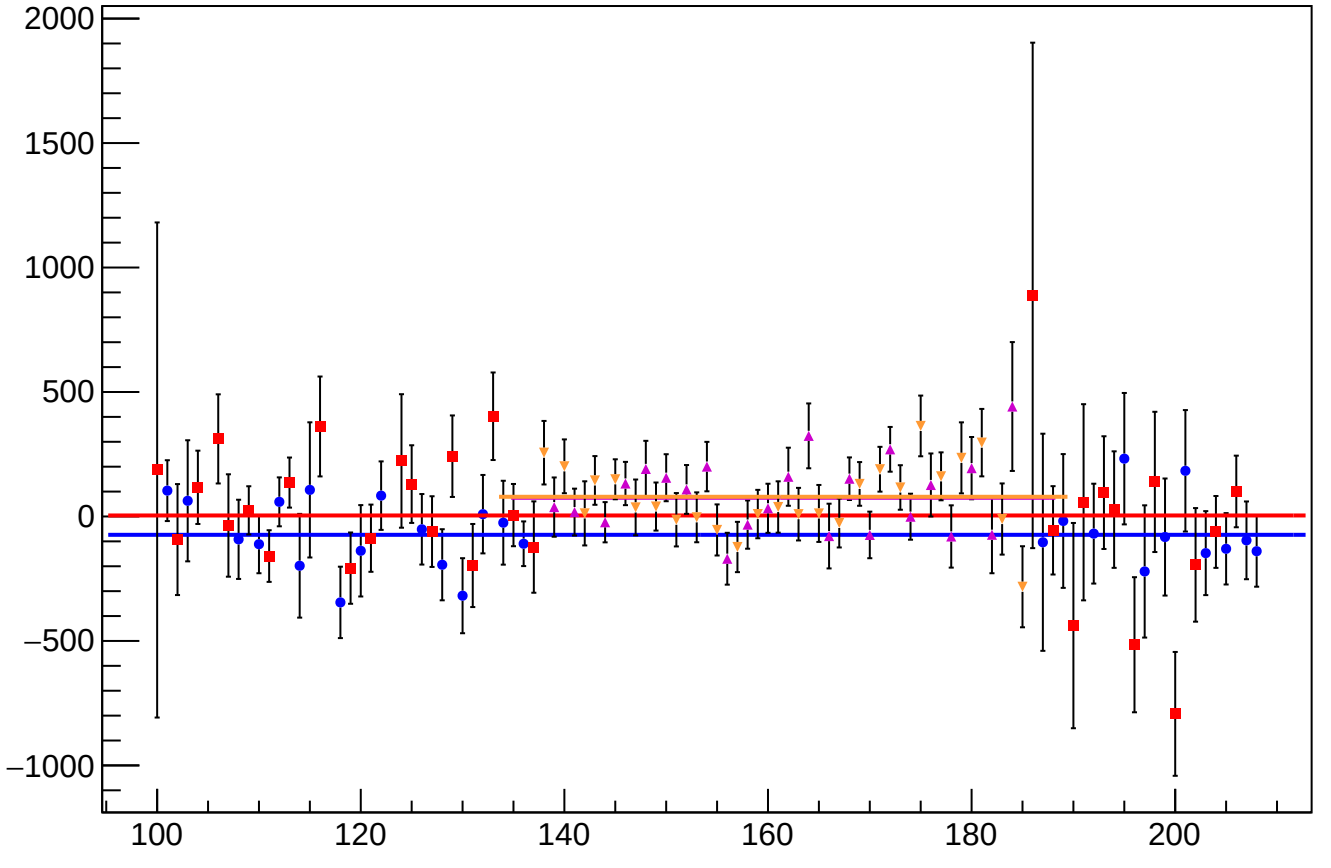
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14077797.4/57

In: 0.000+/-0.000 χ^2/NDF:10750390.3/49

Out: 0.000+/-0.000 χ^2/NDF:13525854.9/55

All: 0.000+/-0.000 χ^2/NDF: 24409134.4/105



Right In: -73.693+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 4.037+/-30.240 χ^2/NDF: 42.4/30

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

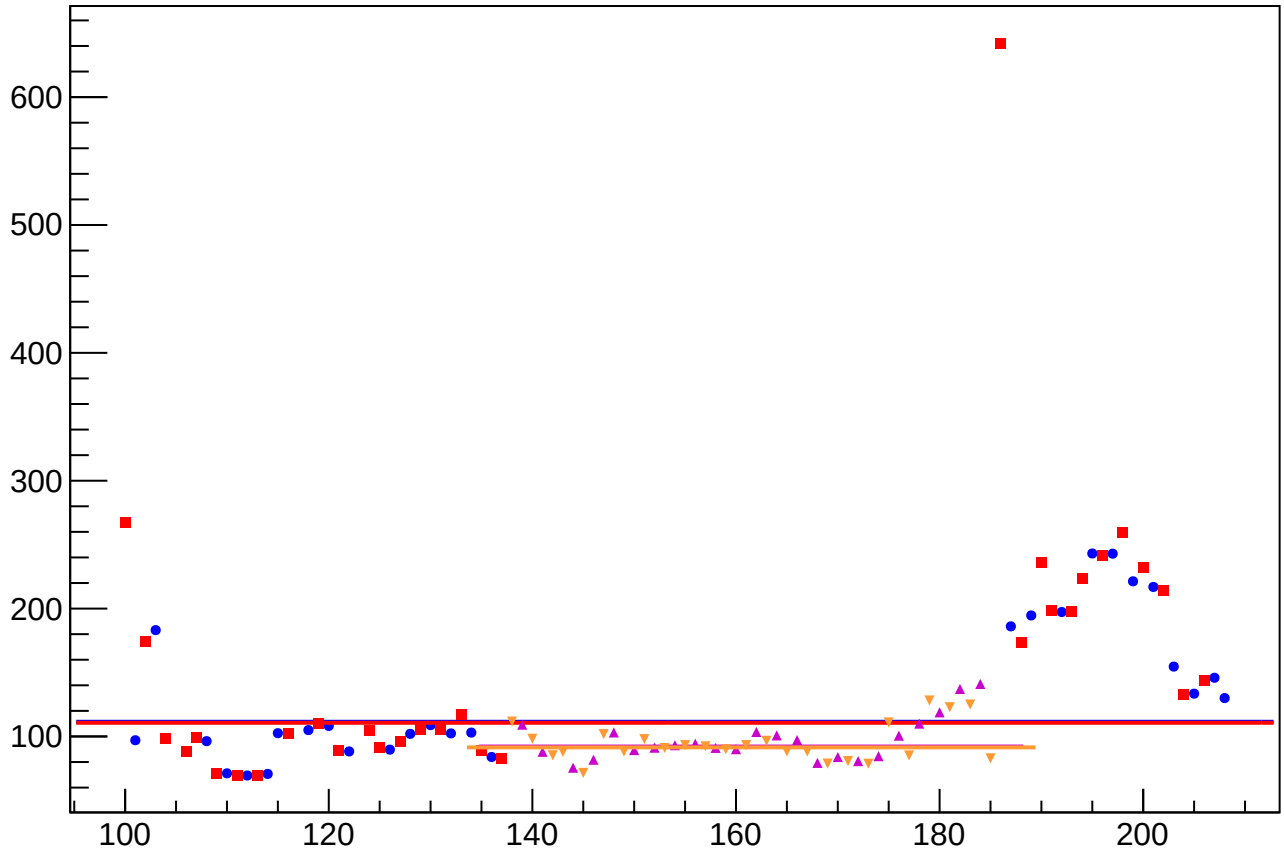
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -34.801+/-21.390 χ^2/NDF: 63.1/57

In: 24.116+/-17.708 χ^2/NDF:66.0/49

Out: 54.517+/-17.305 χ^2/NDF:78.5/55

All: 39.666+/-12.377 χ^2/NDF: 146.0/105



Right In: 111.471+/-0.021 χ^2/NDF: 3943820.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.707+/-0.021 χ^2/NDF: 5385418.1/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

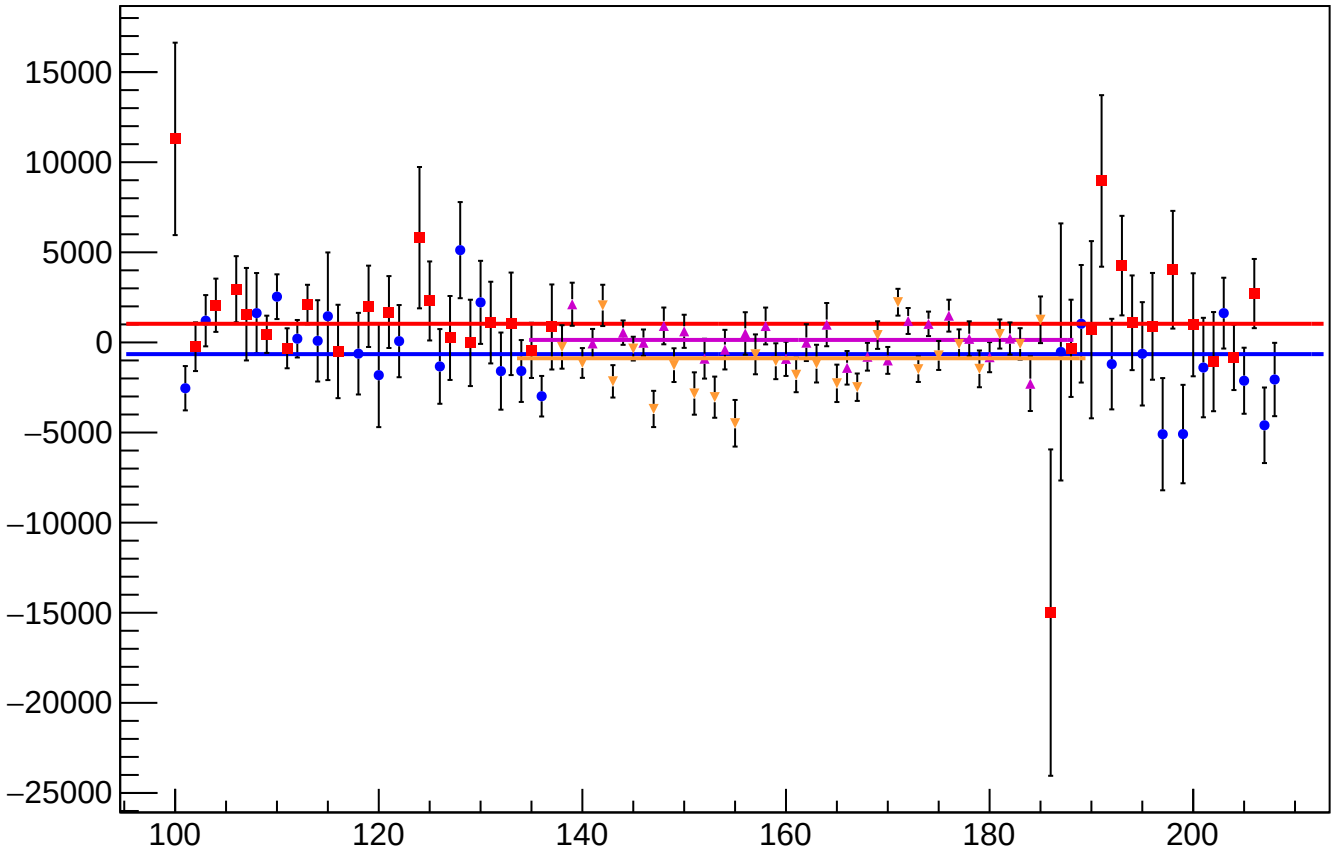
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 111.089+/-0.015 χ^2/NDF: 9329876.5/57

In: 98.733+/-0.013 χ^2/NDF:5182284.1/49

Out: 97.764+/-0.012 χ^2/NDF:6681404.9/55

All: 98.238+/-0.009 χ^2/NDF: 11866753.2/105



Right In: -649.587+/-365.917 χ^2/NDF: 35.3/26

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1033.975+/-358.697 χ^2/NDF: 23.4/30

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

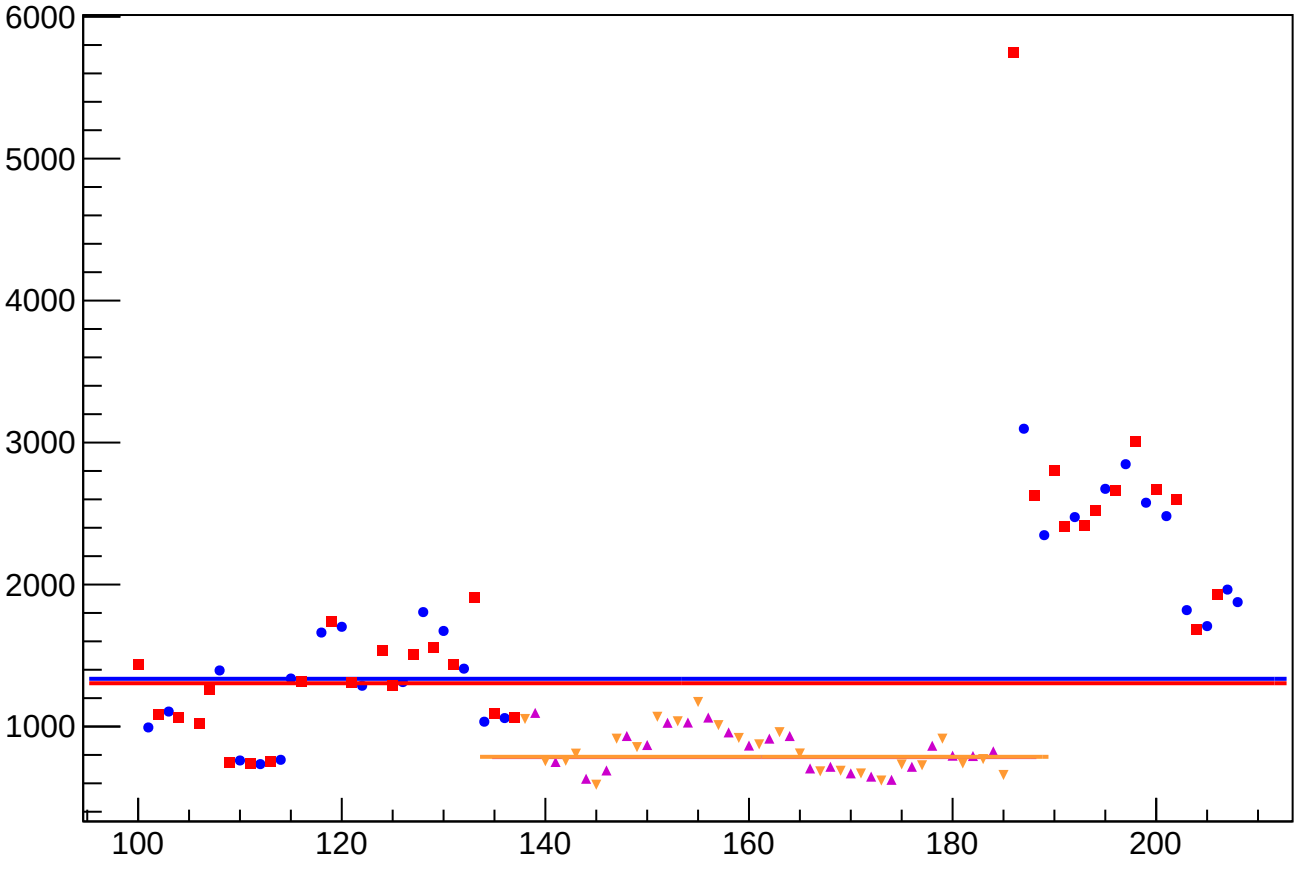
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 208.968+/-256.152 χ^2/NDF: 69.6/57

In: -23.929+/-166.214 χ^2/NDF:63.2/49

Out: -486.273+/-162.436 χ^2/NDF:113.8/55

All: -260.415+/-116.172 χ^2/NDF: 181.0/105



Right In: 1336.156+/-0.259 χ^2/NDF: 4711950.2/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1304.939+/-0.254 χ^2/NDF: 6194180.6/30

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

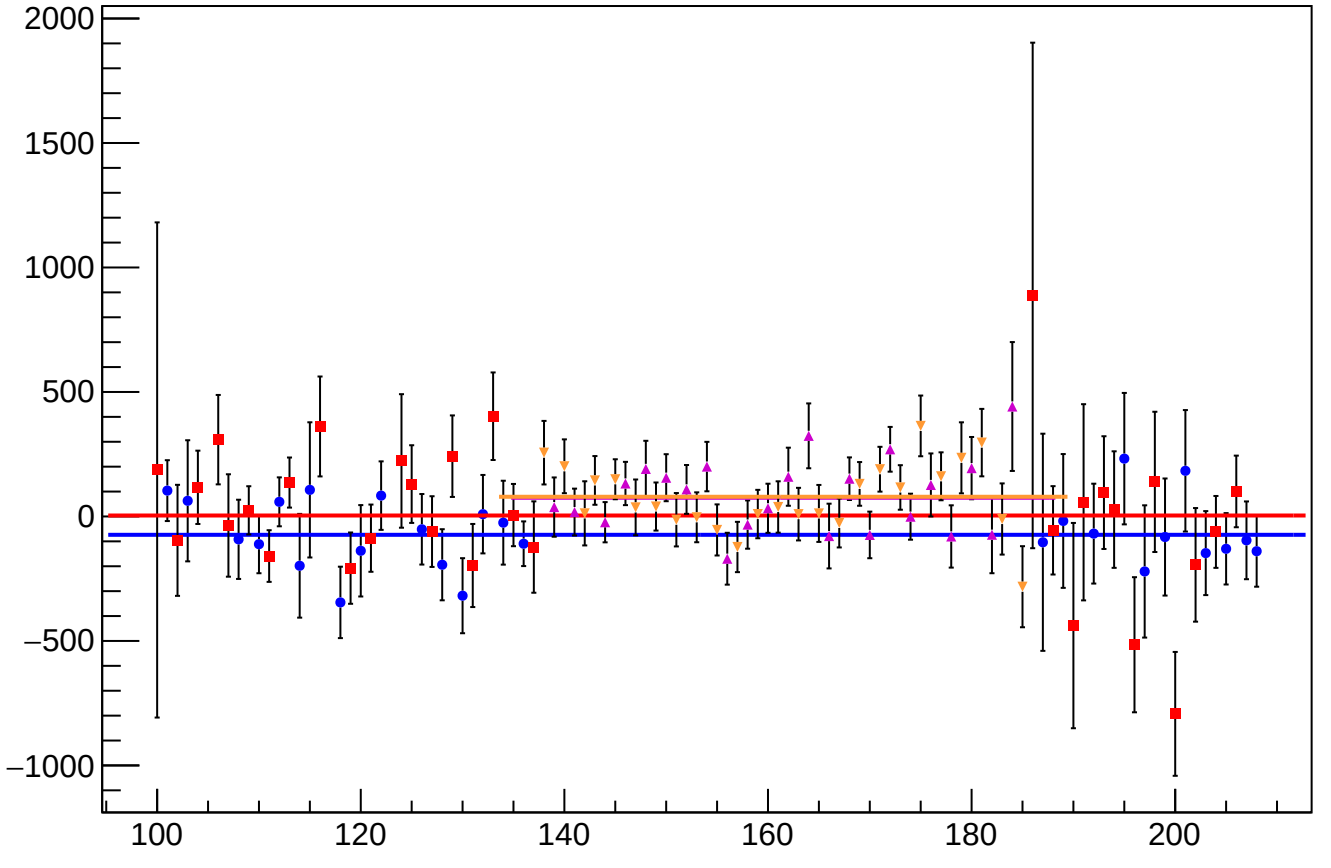
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1320.236+/-0.181 χ^2/NDF: 10913554.1/57

In: 898.590+/-0.118 χ^2/NDF:9379110.3/49

Out: 893.023+/-0.115 χ^2/NDF:10722972.2/55

All: 895.743+/-0.082 χ^2/NDF: 20103229.9/10



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 3.839+/-30.243 χ^2/NDF: 42.3/30

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

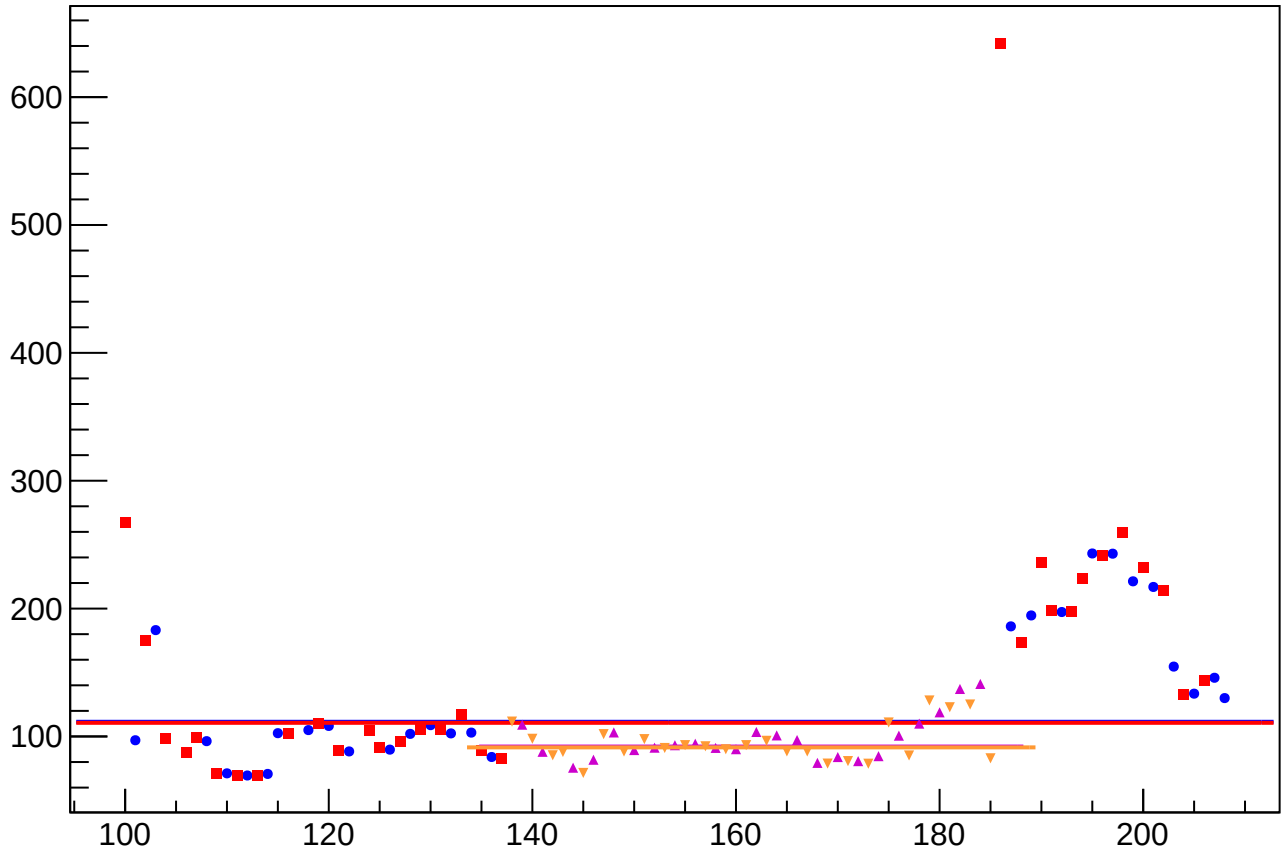
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -34.910+/-21.391 χ^2/NDF: 63.0/57

In: 24.112+/-17.708 χ^2/NDF:66.0/49

Out: 54.461+/-17.306 χ^2/NDF:78.4/55

All: 39.635+/-12.377 χ^2/NDF: 145.9/105



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

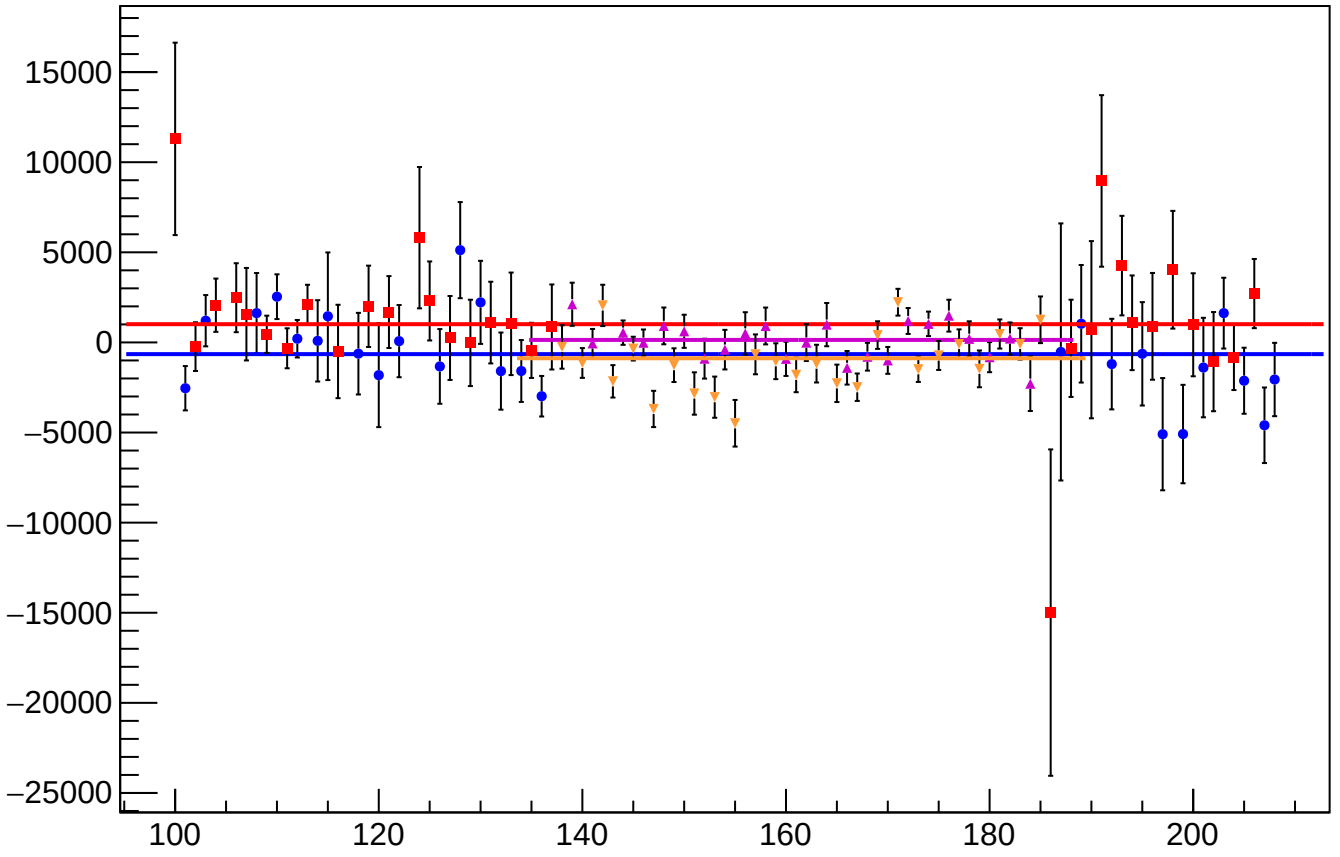
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 111.072+/-0.015 χ^2/NDF: 9333677.3/57

In: 98.733+/-0.013 χ^2/NDF:5182287.3/49

Out: 97.753+/-0.012 χ^2/NDF:6683206.5/55

All: 98.232+/-0.009 χ^2/NDF: 11868631.8/105



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1011.959+/-359.276 χ^2/NDF: 22.9/30

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

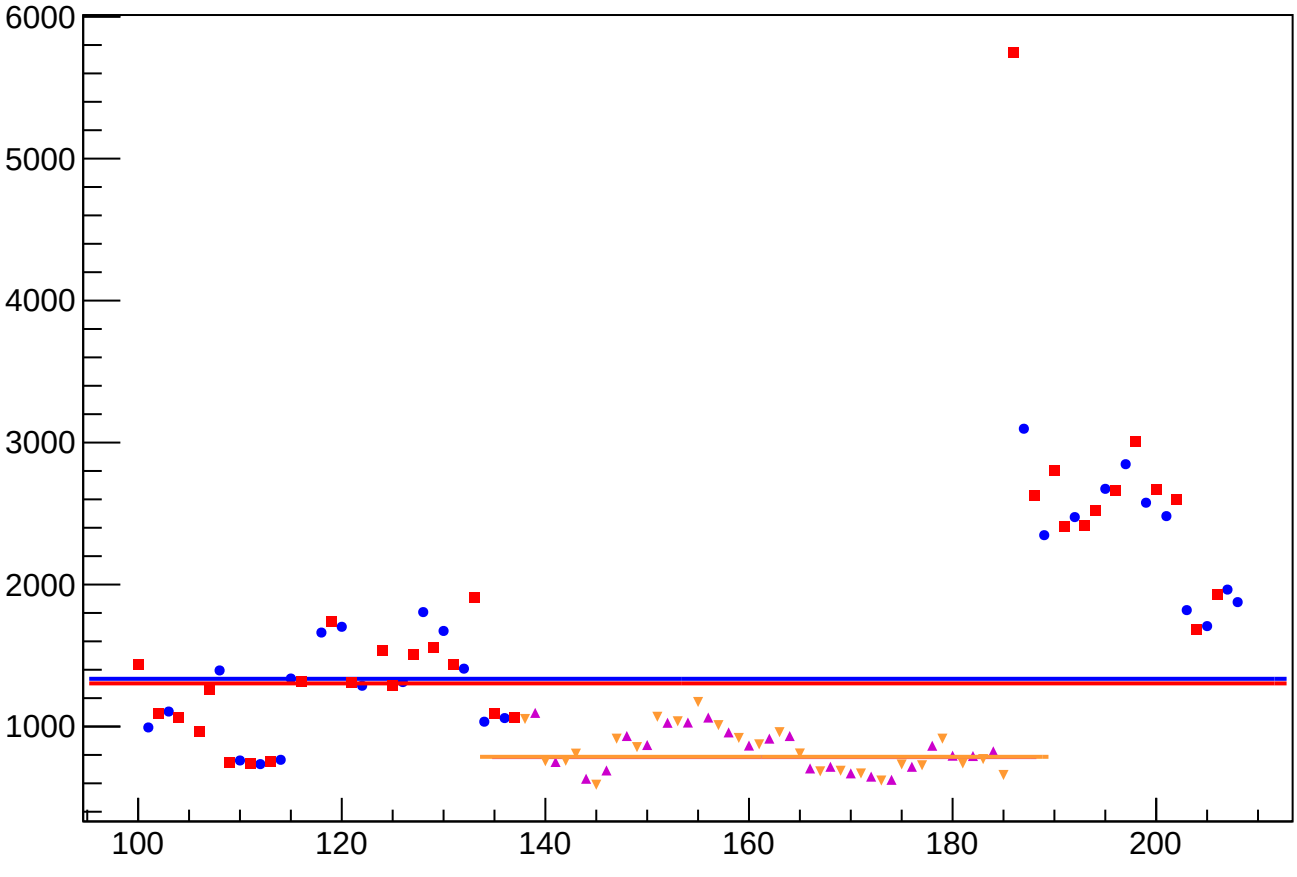
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 196.397+/-256.363 χ^2/NDF: 68.8/57

In: -23.929+/-166.215 χ^2/NDF:63.2/49

Out: -491.773+/-162.490 χ^2/NDF:112.7/55

All: -263.152+/-116.192 χ^2/NDF: 179.9/105



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

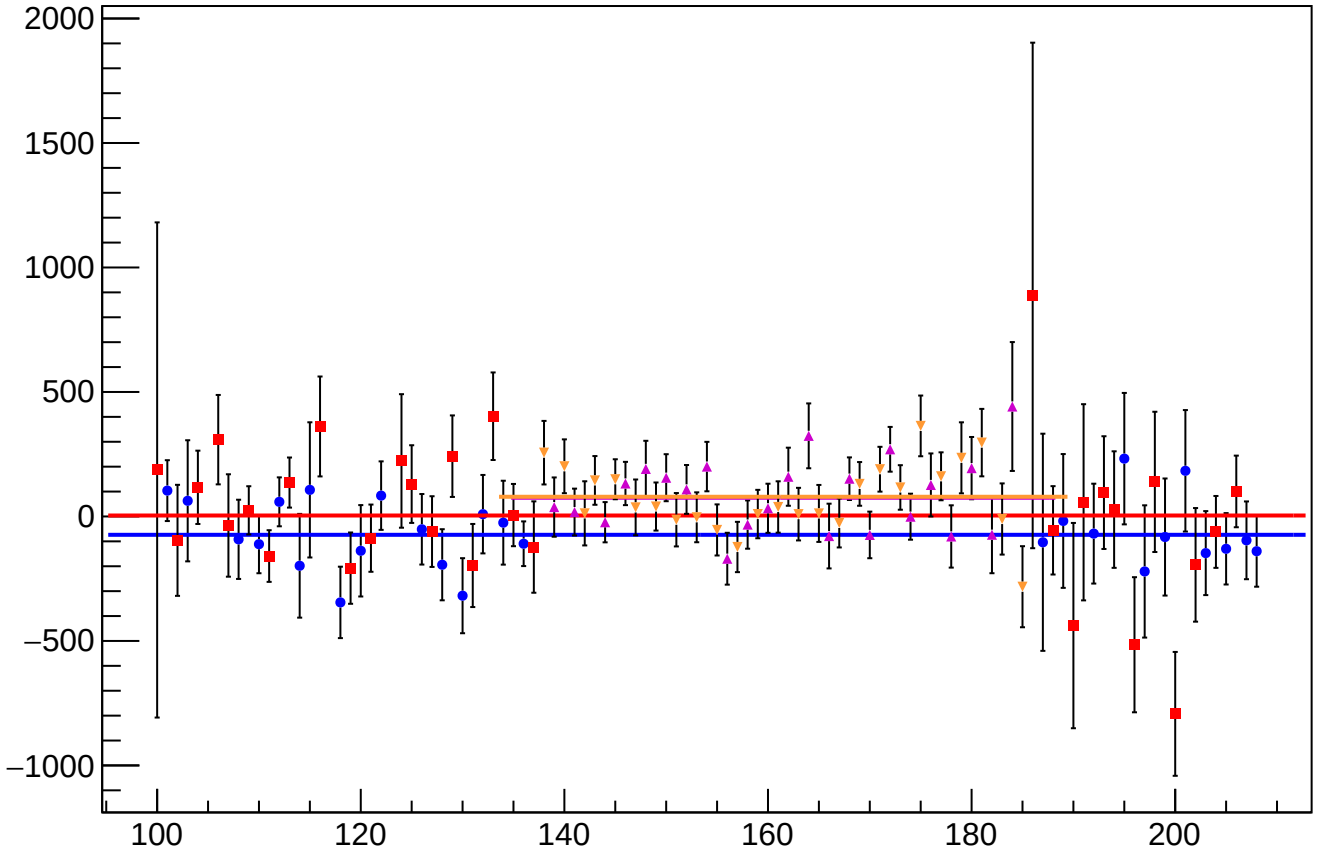
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1319.733+/-0.181 χ^2/NDF: 10928932.9/57

In: 898.591+/-0.118 χ^2/NDF:9379144.1/49

Out: 892.537+/-0.115 χ^2/NDF:10716035.6/55

All: 895.495+/-0.082 χ^2/NDF: 20096536.6/10



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 3.839+/-30.243 χ^2/NDF: 42.3/30

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

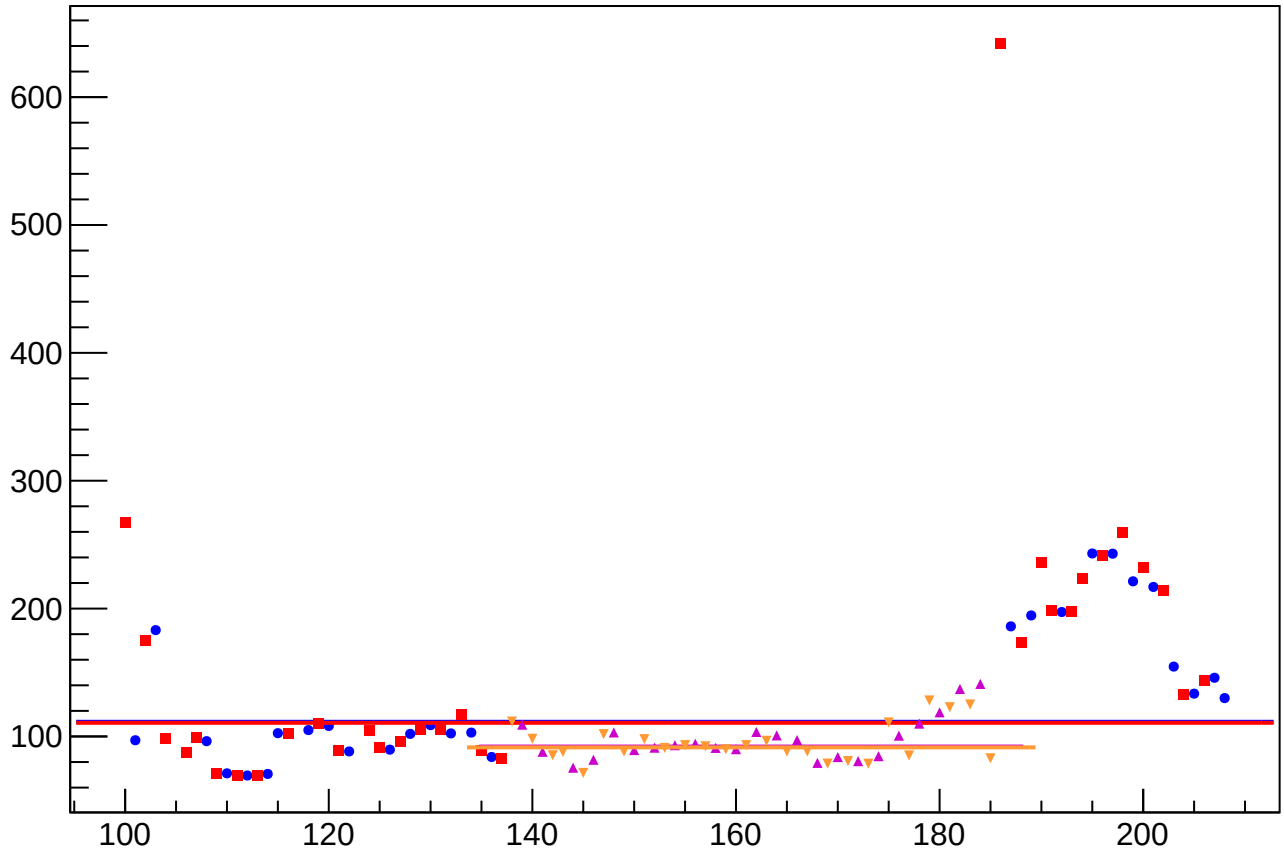
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -34.910+/-21.391 χ^2/NDF: 63.0/57

In: 24.112+/-17.708 χ^2/NDF:66.0/49

Out: 54.461+/-17.306 χ^2/NDF:78.4/55

All: 39.635+/-12.377 χ^2/NDF: 145.9/105



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

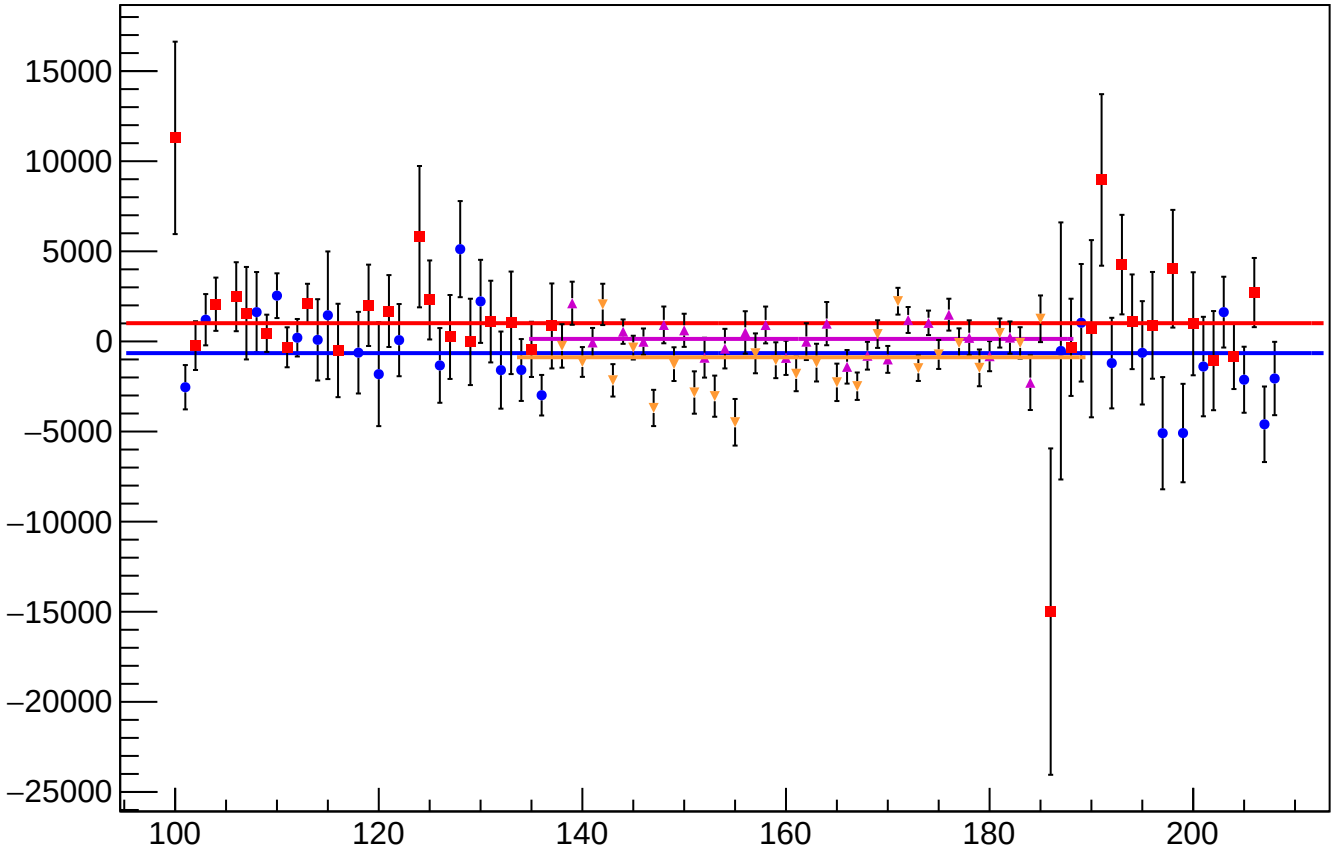
Right: 111.072+/-0.015 χ^2/NDF: 9333677.3/57

In: 98.733+/-0.013 χ^2/NDF:5182287.3/49

Out: 97.753+/-0.012 χ^2/NDF:6683206.5/55

All: 98.232+/-0.009 χ^2/NDF: 11868631.8/105

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1011.959+/-359.276 χ^2/NDF: 22.9/30

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

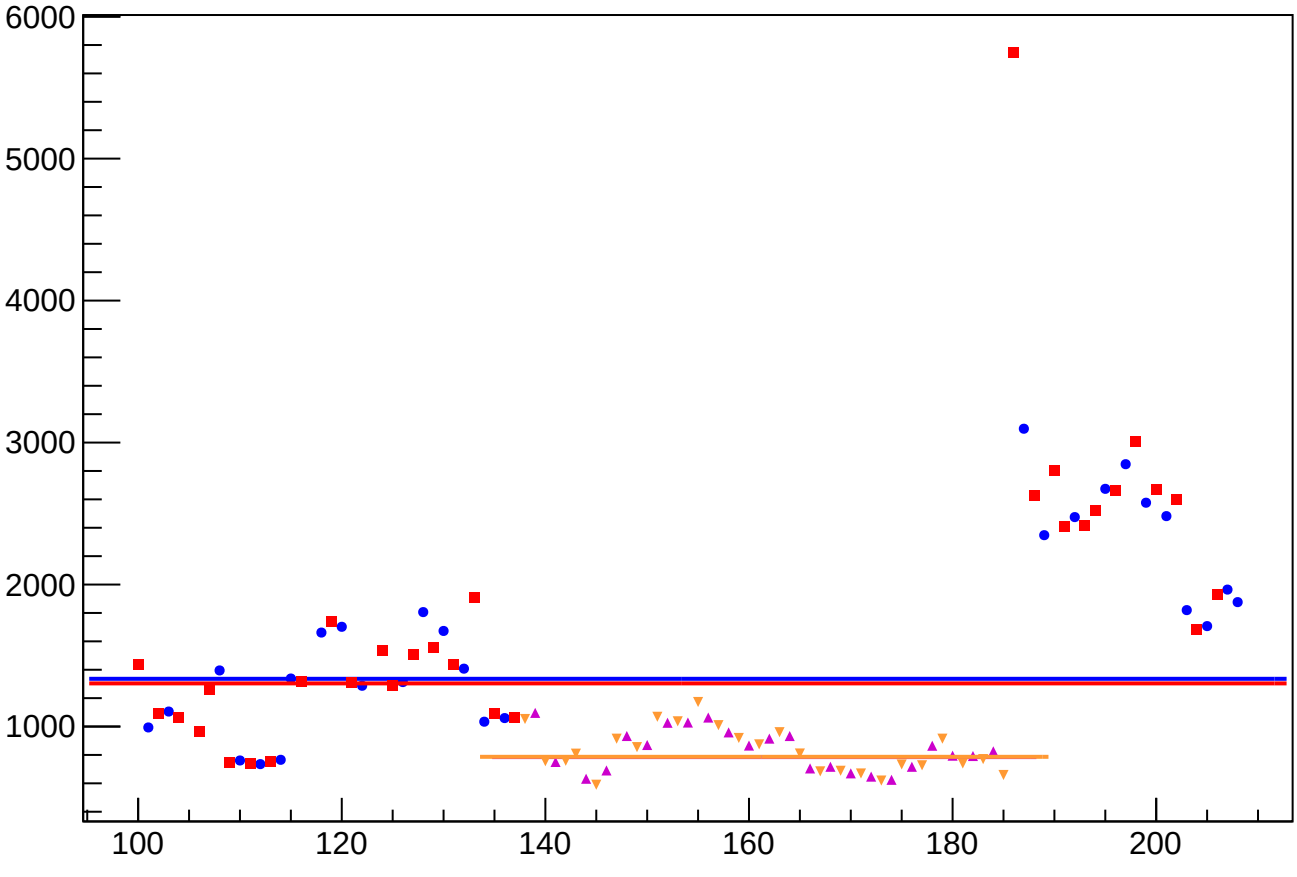
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 196.397+/-256.363 χ^2/NDF: 68.8/57

In: -23.929+/-166.215 χ^2/NDF:63.2/49

Out: -491.773+/-162.490 χ^2/NDF:112.7/55

All: -263.152+/-116.192 χ^2/NDF: 179.9/105



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

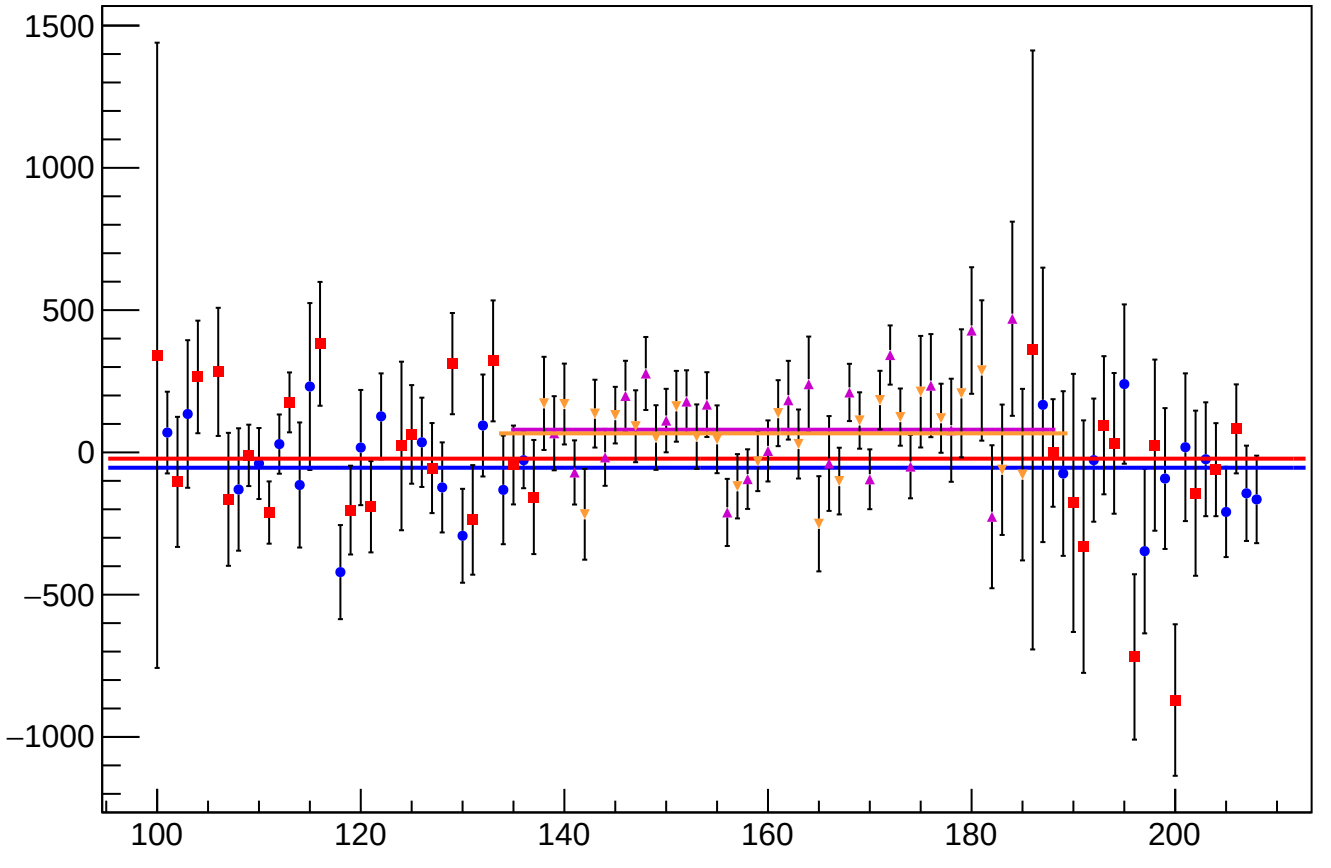
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1319.733+/-0.181 χ^2/NDF: 10928932.9/57

In: 898.591+/-0.118 χ^2/NDF:9379144.1/49

Out: 892.537+/-0.115 χ^2/NDF:10716035.6/55

All: 895.495+/-0.082 χ^2/NDF: 20096536.6/10



Right In: -53.886+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -21.983+/-33.598 χ^2/NDF: 42.8/30

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

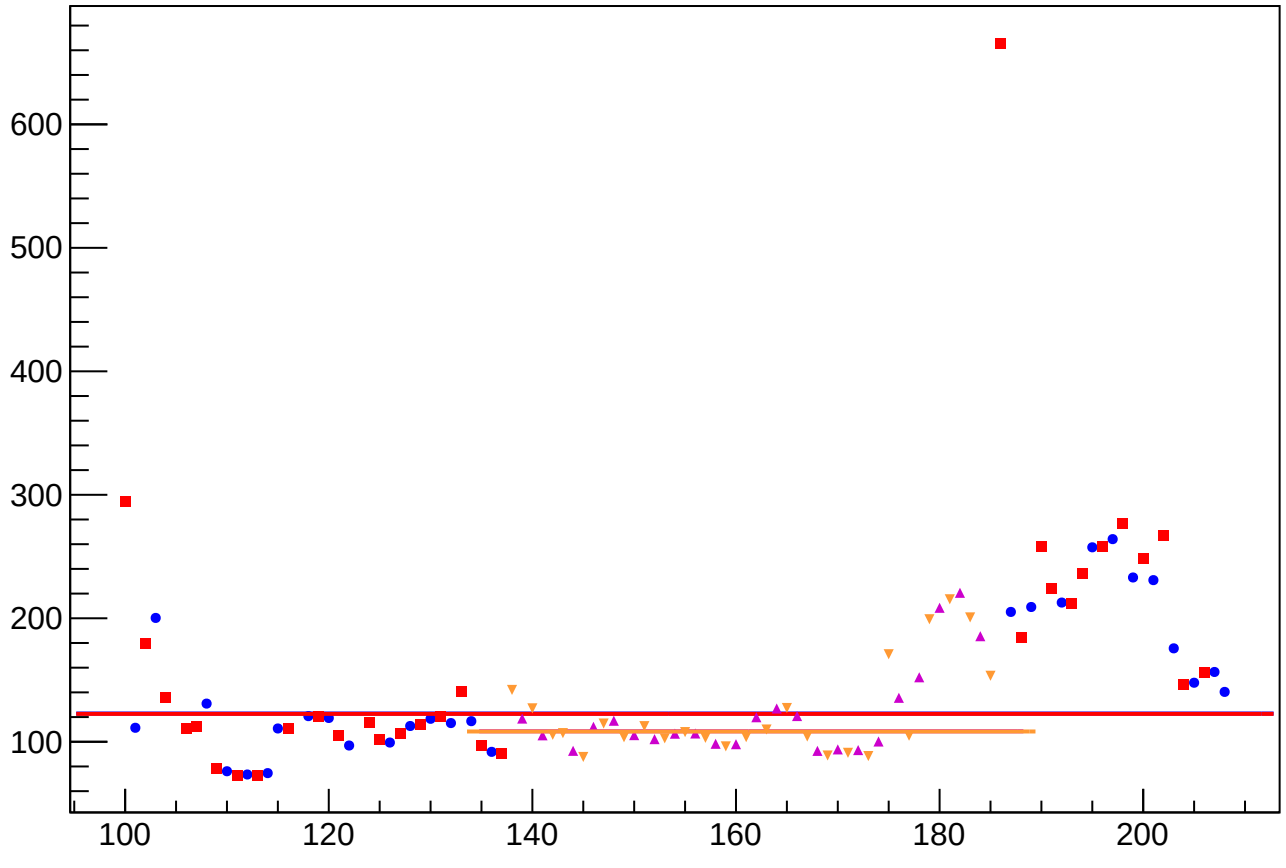
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -38.007+/-23.703 χ^2/NDF: 60.6/57

In: 28.703+/-20.673 χ^2/NDF:64.2/49

Out: 34.275+/-20.354 χ^2/NDF:66.8/55

All: 31.533+/-14.504 χ^2/NDF: 131.0/105



Right In: 122.869+/-0.024 χ^2/NDF: 3902551.1/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 122.584+/-0.024 χ^2/NDF: 5366557.0/30

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

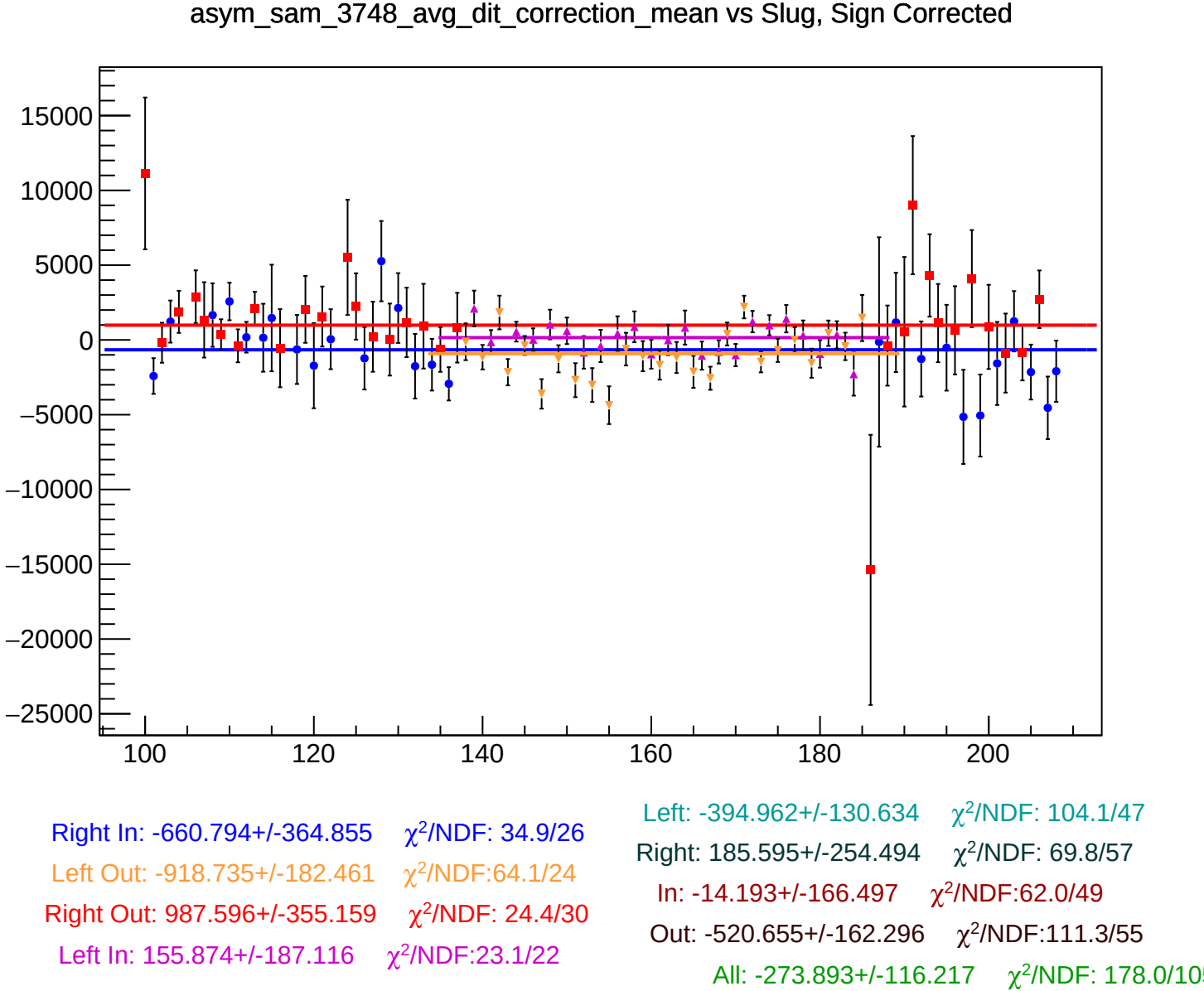
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

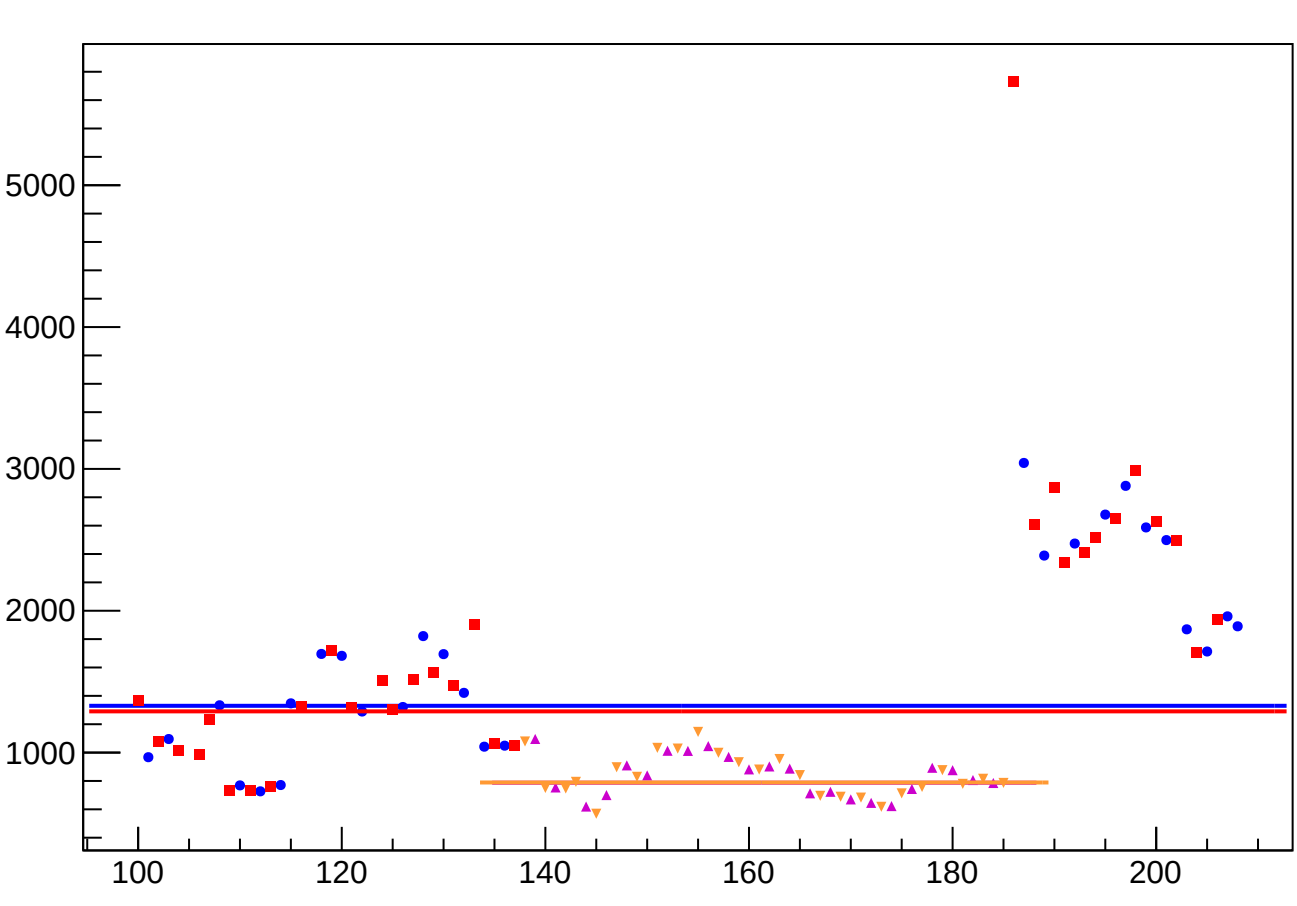
Right: 122.727+/-0.017 χ^2/NDF: 9269180.7/57

In: 113.985+/-0.015 χ^2/NDF:5510310.6/49

Out: 113.562+/-0.014 χ^2/NDF:7369006.9/55

All: 113.770+/-0.010 χ^2/NDF: 12879743.9/10


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -660.794+/-364.855 χ²/NDF: 34.9/26
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 987.596+/-355.159 χ²/NDF: 24.4/30
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 185.595+/-254.494 χ²/NDF: 69.8/57
In: -14.193+/-166.497 χ²/NDF:62.0/49
Out: -520.655+/-162.296 χ²/NDF:111.3/55
All: -273.893+/-116.217 χ²/NDF: 178.0/105



Right In: 1329.910+/-0.258 χ^2/NDF: 4832758.7/26

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1290.642+/-0.251 χ^2/NDF: 6270336.1/30

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

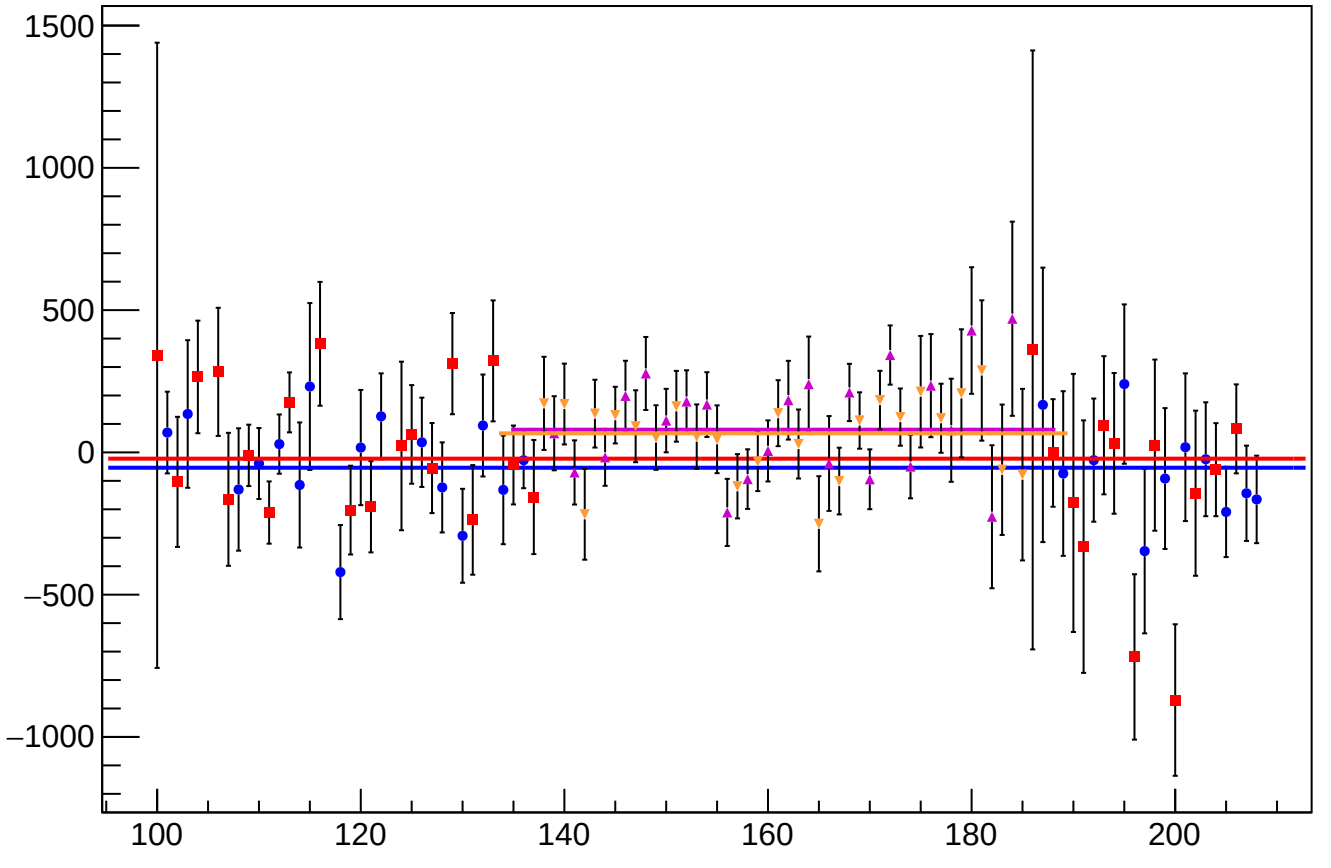
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1309.747+/-0.180 χ^2/NDF: 11114990.2/57

In: 900.366+/-0.118 χ^2/NDF:9375327.0/49

Out: 893.950+/-0.115 χ^2/NDF:10600801.8/55

All: 897.076+/-0.082 χ^2/NDF: 19977651.8/10



Right In: -53.885+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -21.984+/-33.598 χ^2/NDF: 42.8/30

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

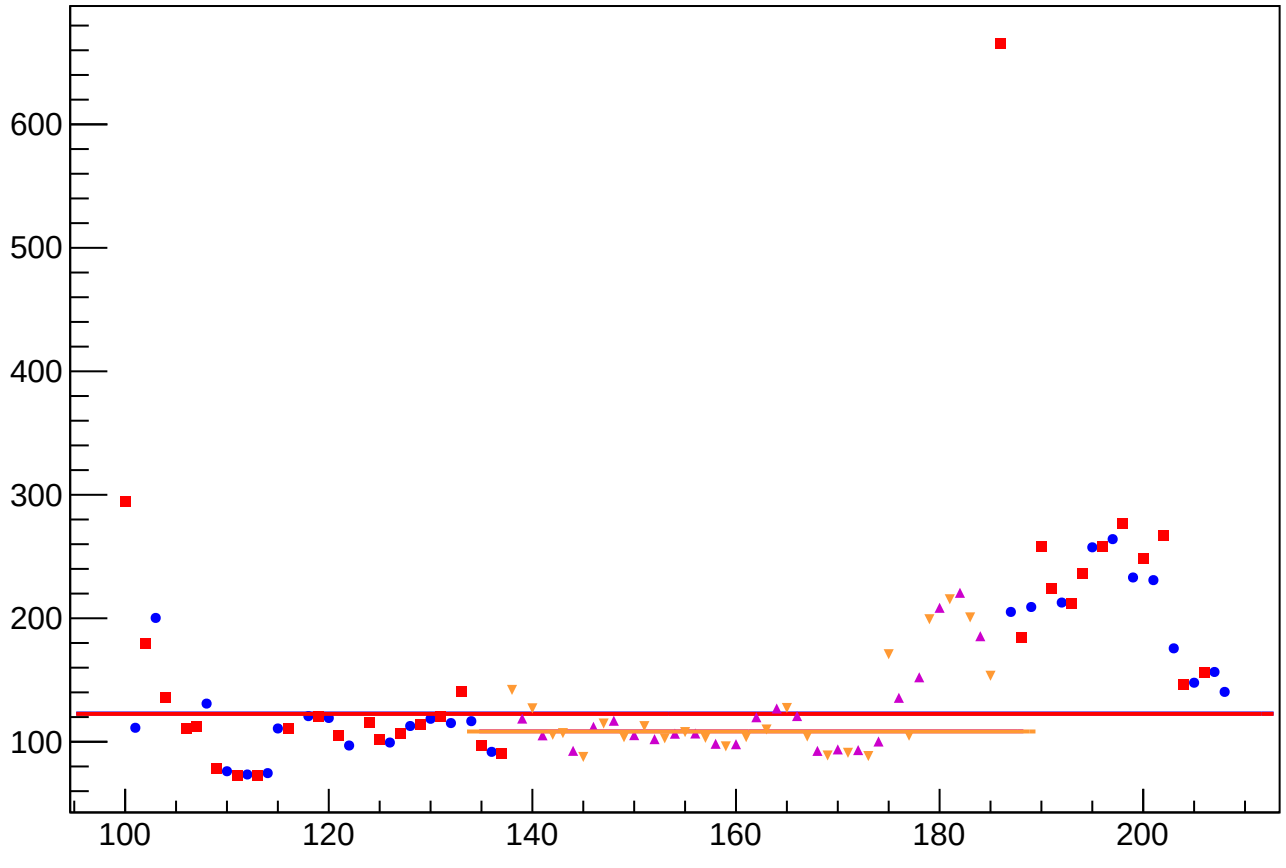
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -38.007+/-23.703 χ^2/NDF: 60.6/57

In: 28.703+/-20.673 χ^2/NDF:64.2/49

Out: 34.276+/-20.354 χ^2/NDF:66.8/55

All: 31.533+/-14.504 χ^2/NDF: 131.0/105



Right In: 122.869+/-0.024 χ^2/NDF: 3902539.0/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 122.584+/-0.024 χ^2/NDF: 5366560.8/30

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

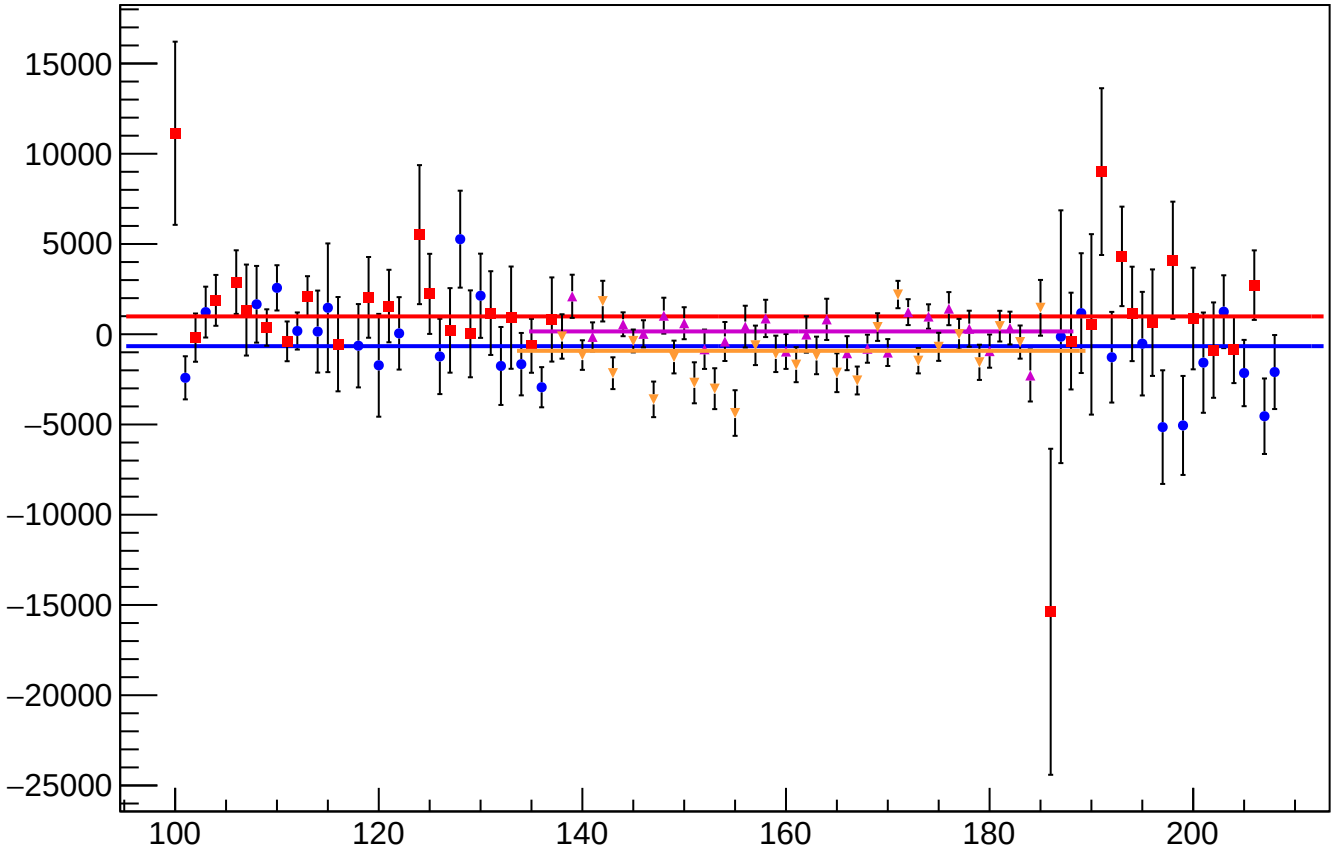
Right: 122.727+/-0.017 χ^2/NDF: 9269172.3/57

In: 113.986+/-0.015 χ^2/NDF:5510273.5/49

Out: 113.562+/-0.014 χ^2/NDF:7369000.1/55

All: 113.770+/-0.010 χ^2/NDF: 12879700.0/10

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -660.792+/-364.854 χ^2/NDF: 34.9/26

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 987.595+/-355.158 χ^2/NDF: 24.4/30

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

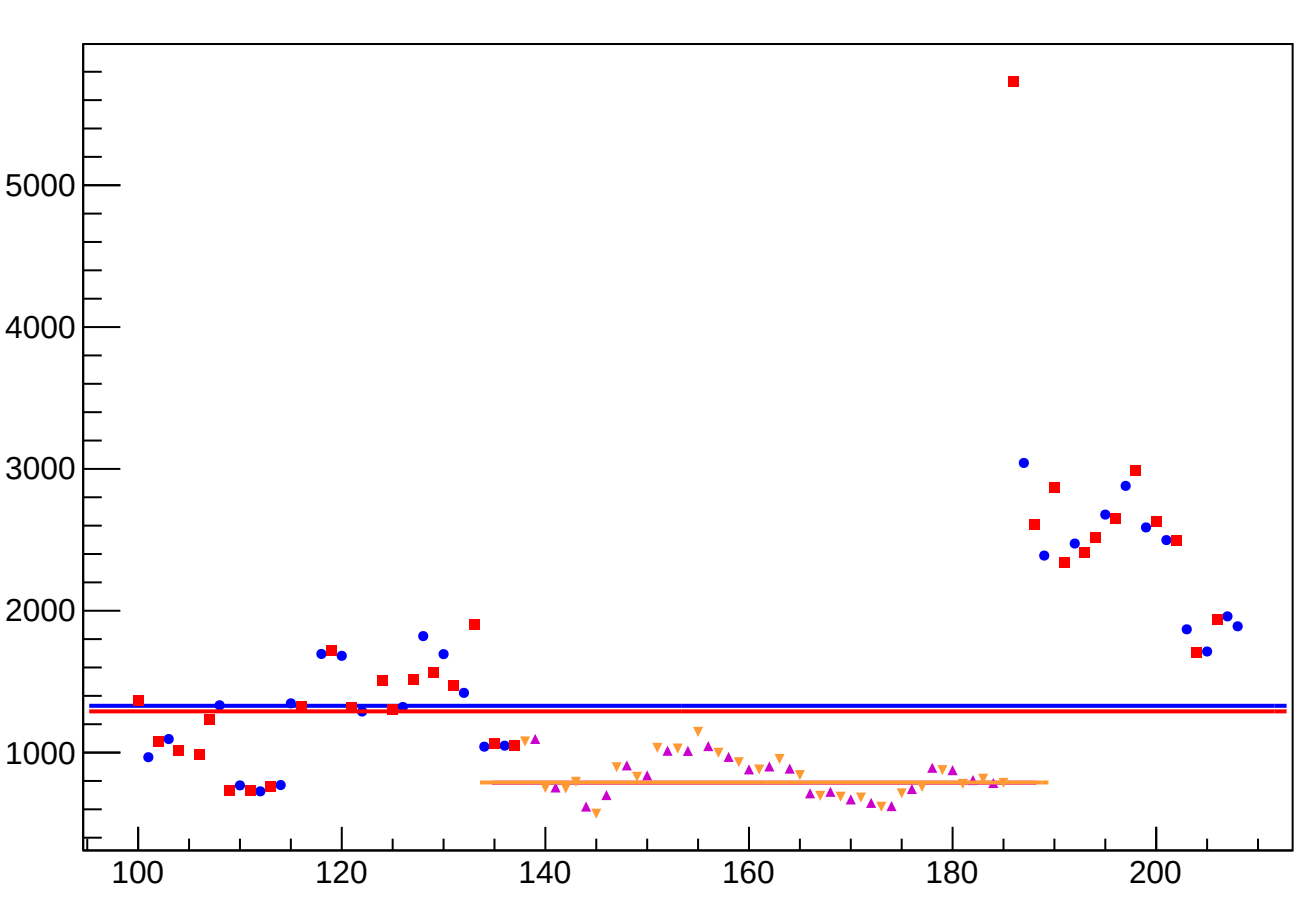
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 185.595+/-254.494 χ^2/NDF: 69.8/57

In: -14.193+/-166.497 χ^2/NDF:62.0/49

Out: -520.655+/-162.296 χ^2/NDF:111.3/55

All: -273.893+/-116.217 χ^2/NDF: 178.0/105



Right In: 1329.908+/-0.258 χ^2/NDF: 4832769.8/26

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1290.640+/-0.251 χ^2/NDF: 6270340.8/30

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

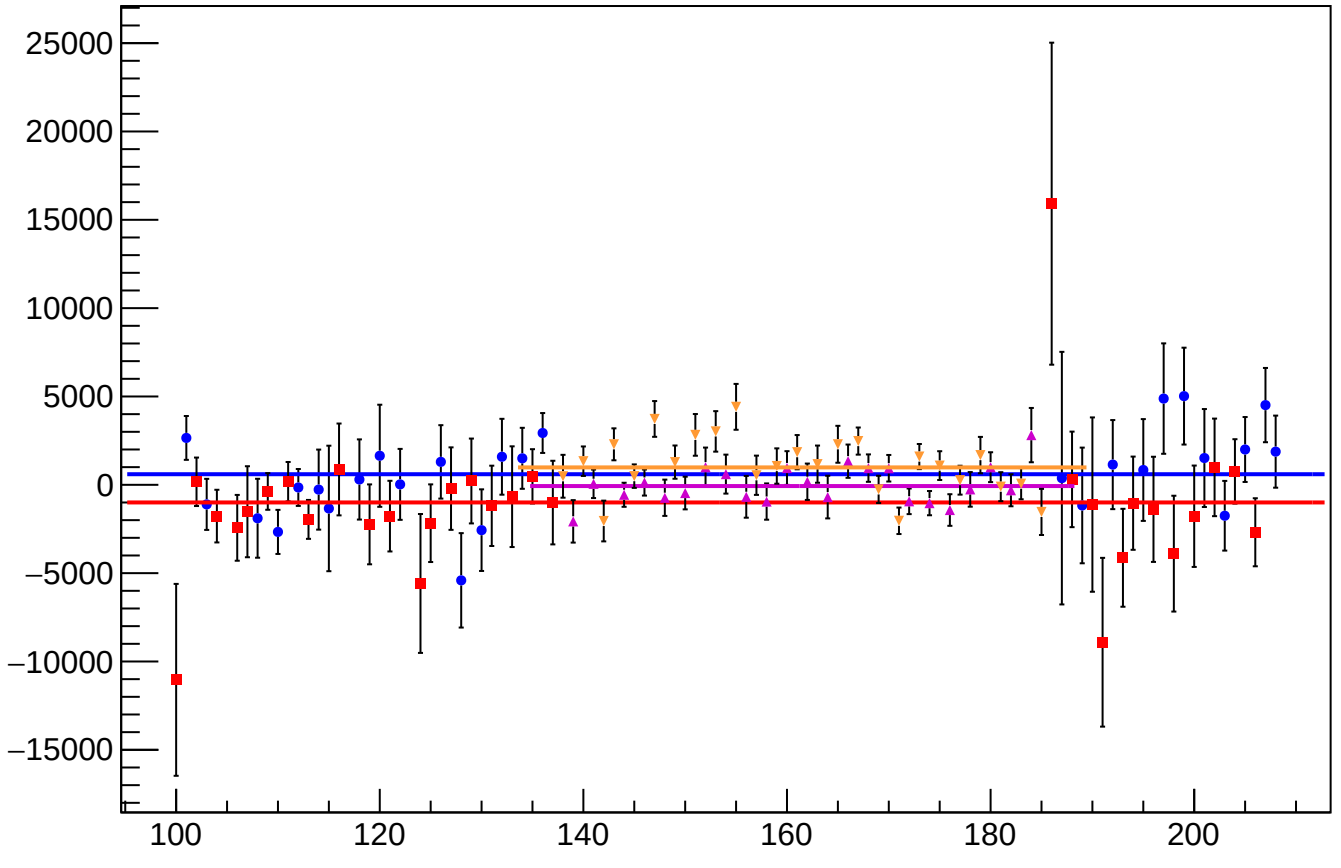
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1309.745+/-0.180 χ^2/NDF: 11115006.0/57

In: 900.365+/-0.118 χ^2/NDF:9375338.0/49

Out: 893.949+/-0.115 χ^2/NDF:10600811.3/55

All: 897.075+/-0.082 χ^2/NDF: 19977672.3/10



Right In: 599.953+/-367.719 χ^2/NDF: 36.0/26

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -998.012+/-360.580 χ^2/NDF: 22.0/30

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

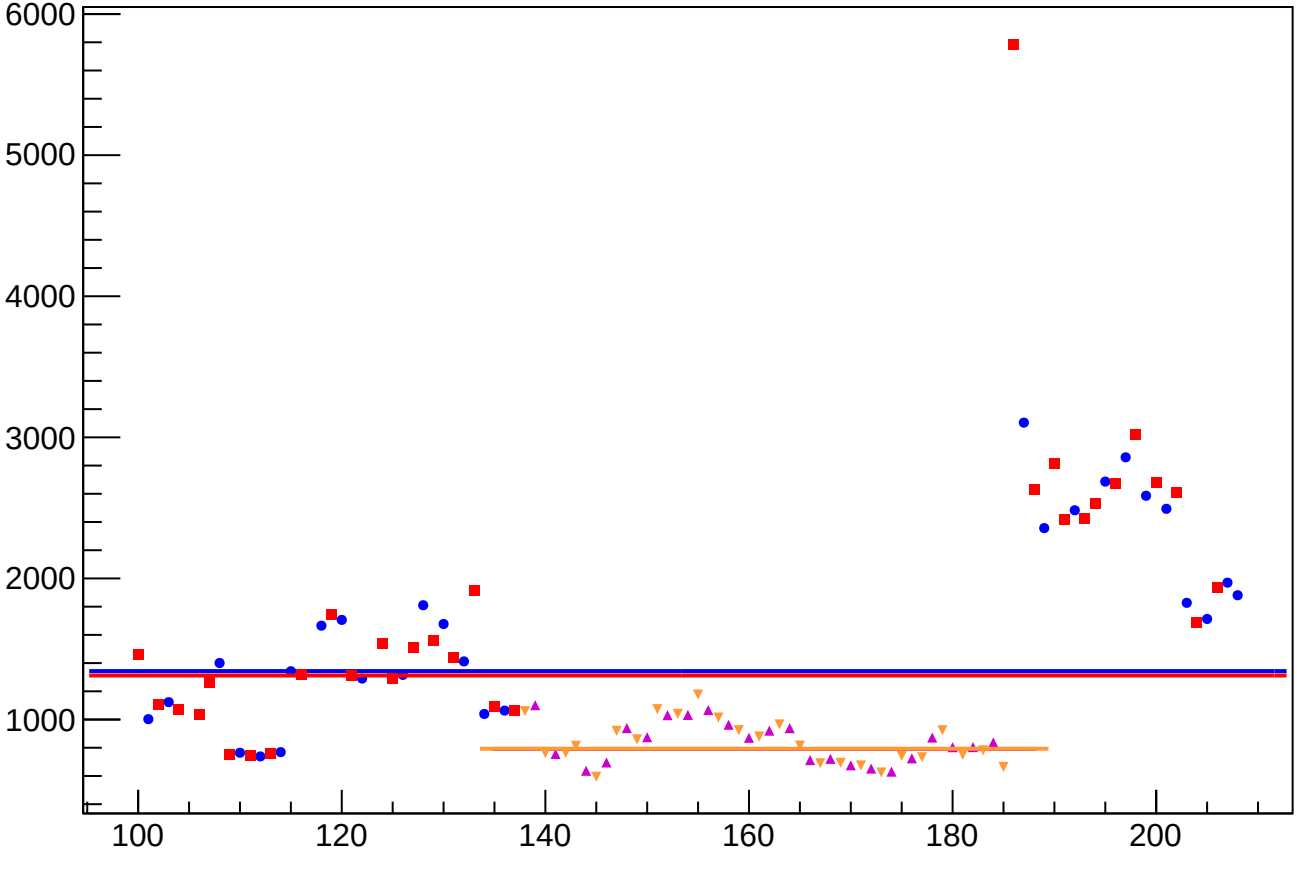
Right: -214.692+/-257.456 χ^2/NDF: 67.6/57

In: 68.800+/-167.417 χ^2/NDF:63.1/49

Out: 577.245+/-163.612 χ^2/NDF:109.7/55

All: 328.865+/-117.013 χ^2/NDF: 177.5/105

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1343.289+/-0.260 χ^2/NDF: 4690625.9/26

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1312.055+/-0.255 χ^2/NDF: 6174591.9/30

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

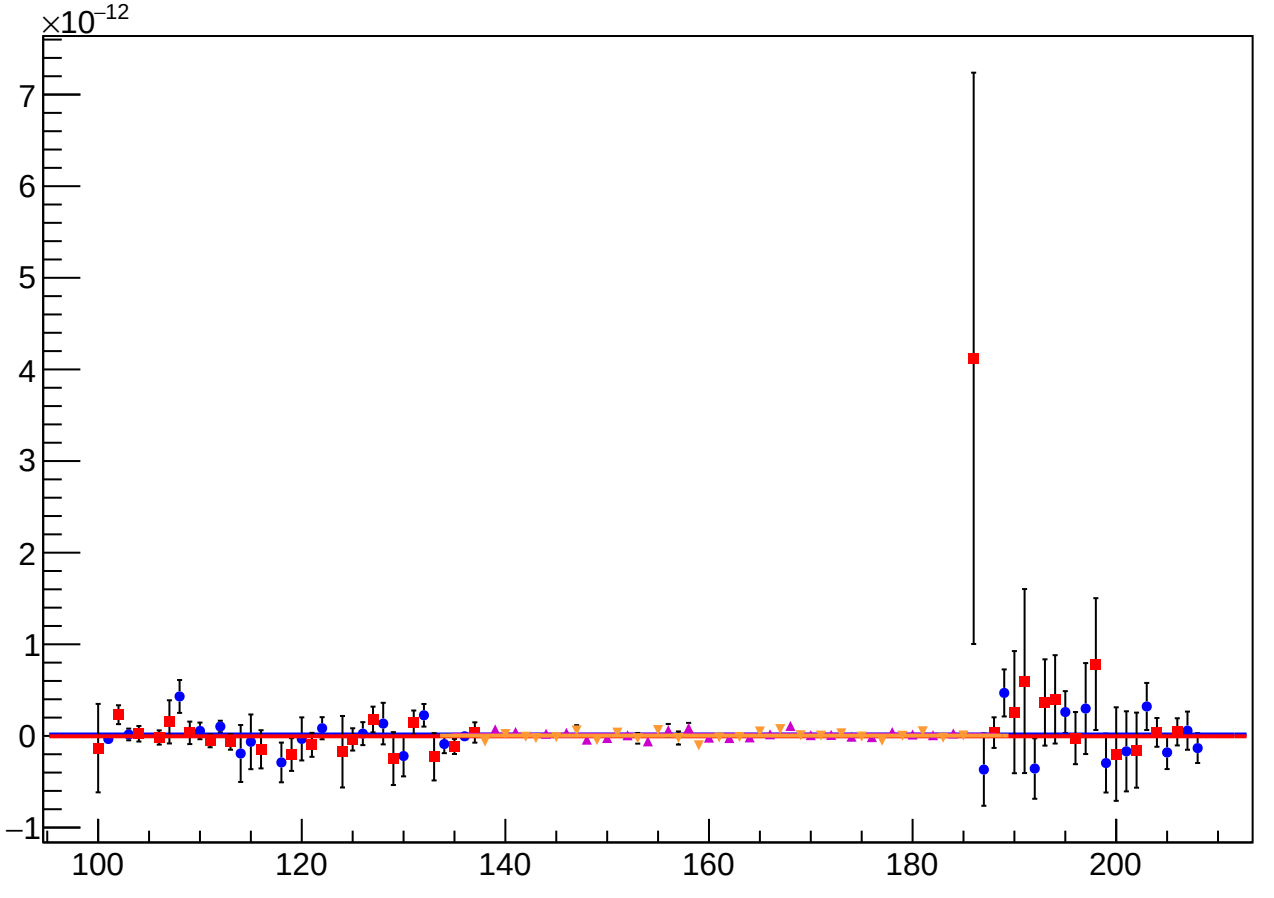
Right: 1327.366+/-0.182 χ^2/NDF: 10872574.0/57

In: 905.604+/-0.118 χ^2/NDF:9314132.6/49

Out: 899.907+/-0.116 χ^2/NDF:10658970.4/55

All: 902.690+/-0.083 χ^2/NDF: 19974287.3/10

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/30

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

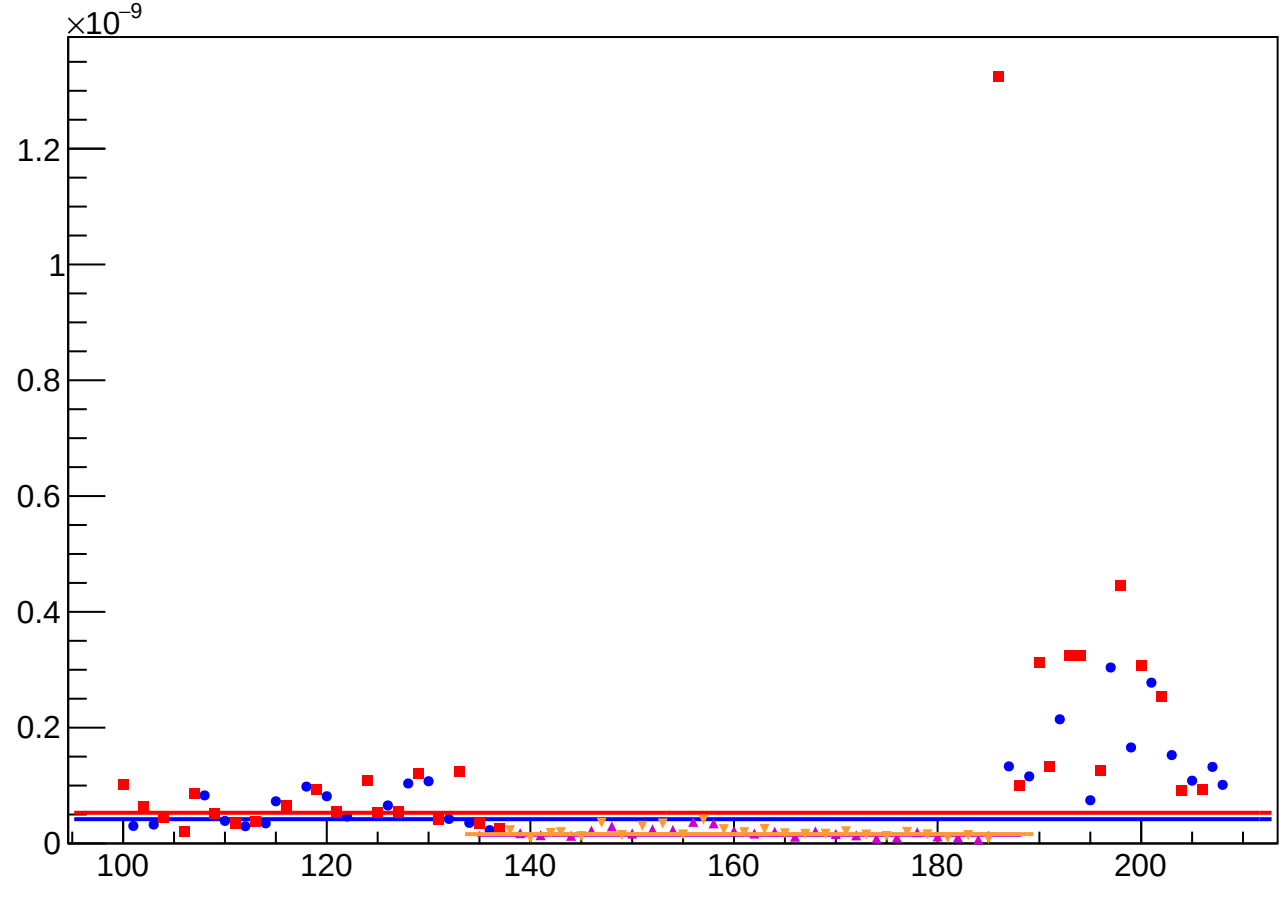
Right: 0.000+/-0.000 χ^2/NDF: 49.8/57

In: 0.000+/-0.000 χ^2/NDF:53.6/49

Out: 0.000+/-0.000 χ^2/NDF:55.2/55

All: 0.000+/-0.000 χ^2/NDF: 110.0/105

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4994362.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5370494.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

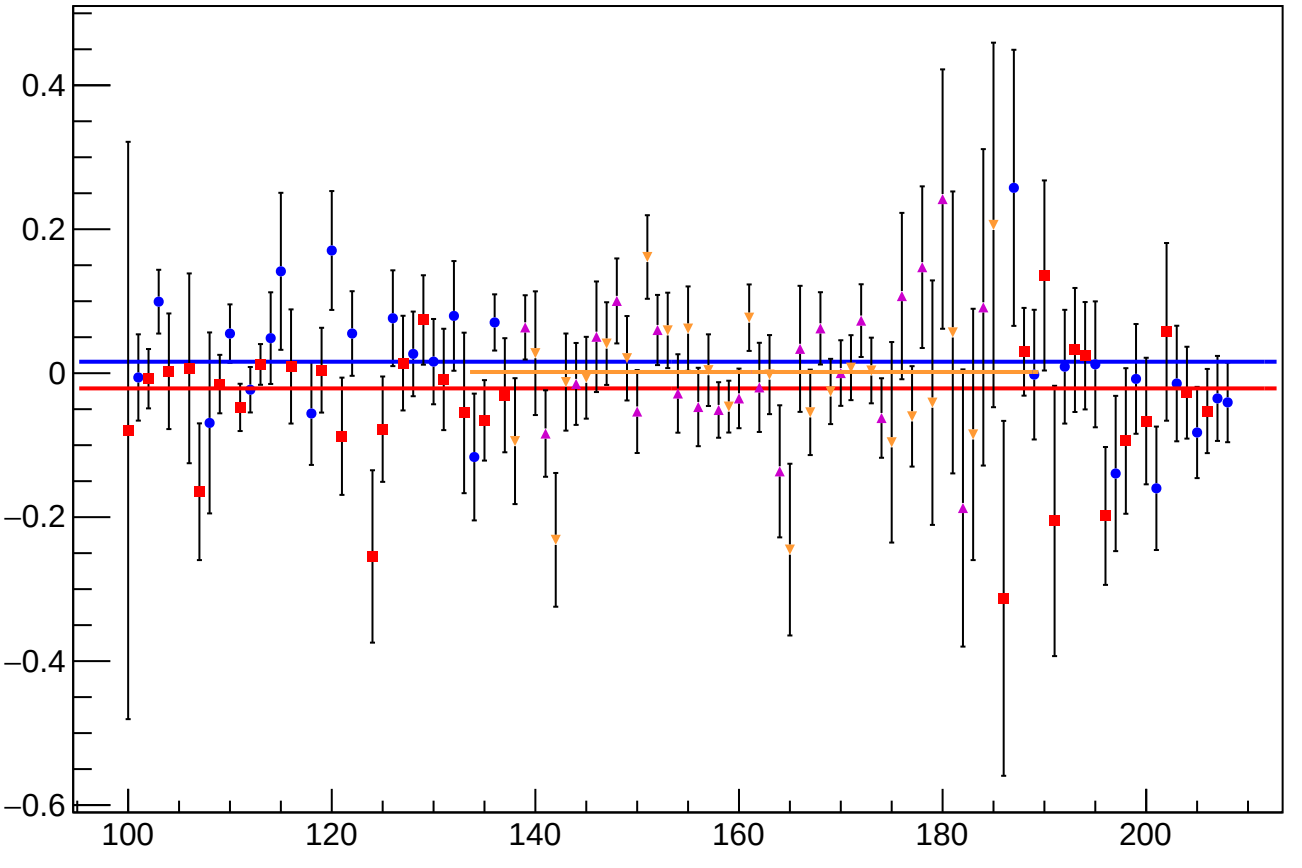
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10591448.8/57

In: 0.000+/-0.000 χ^2/NDF:9699355.4/49

Out: 0.000+/-0.000 χ^2/NDF:11022274.2/55

All: 0.000+/-0.000 χ^2/NDF: 20762683.0/105



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

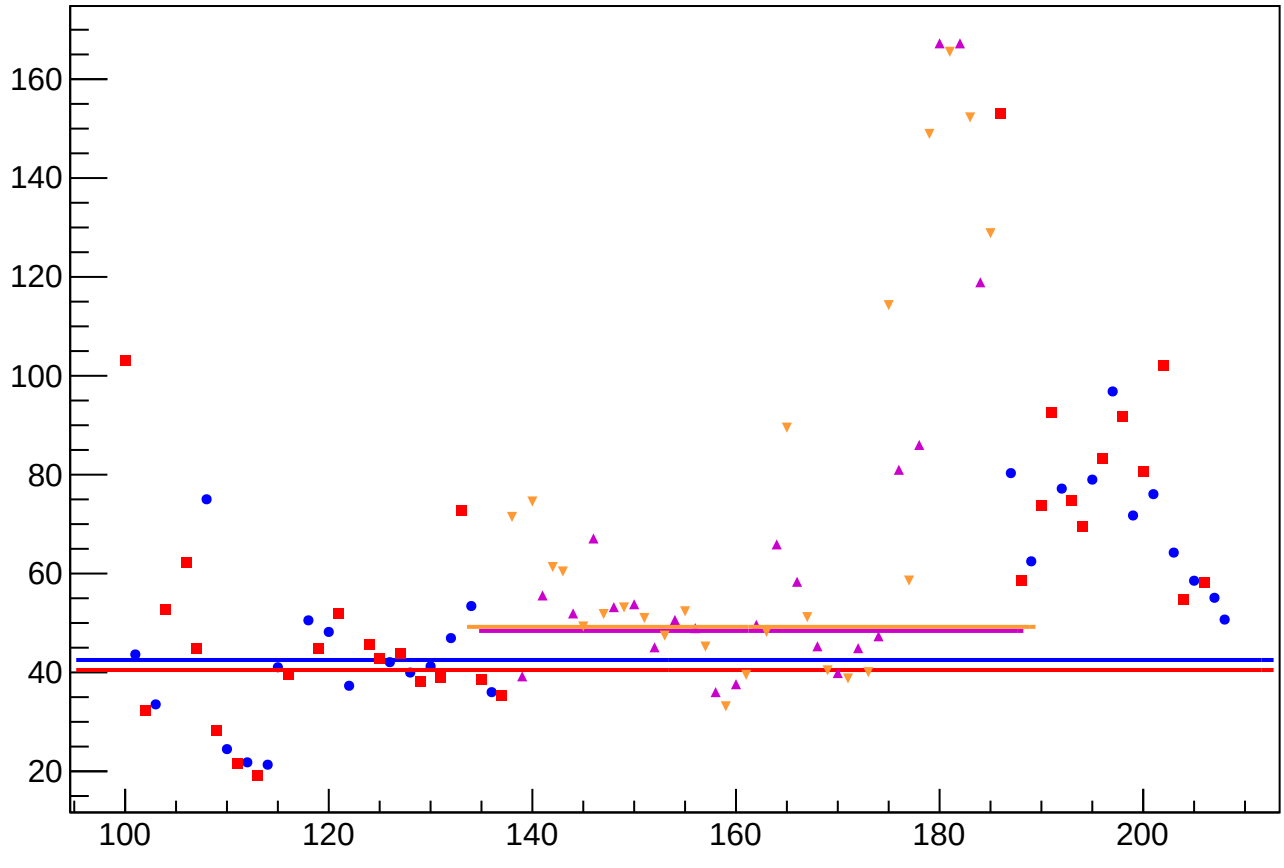
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: -0.003+/-0.008 χ^2/NDF: 59.8/57

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.001+/-0.006 χ^2/NDF: 116.4/105



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

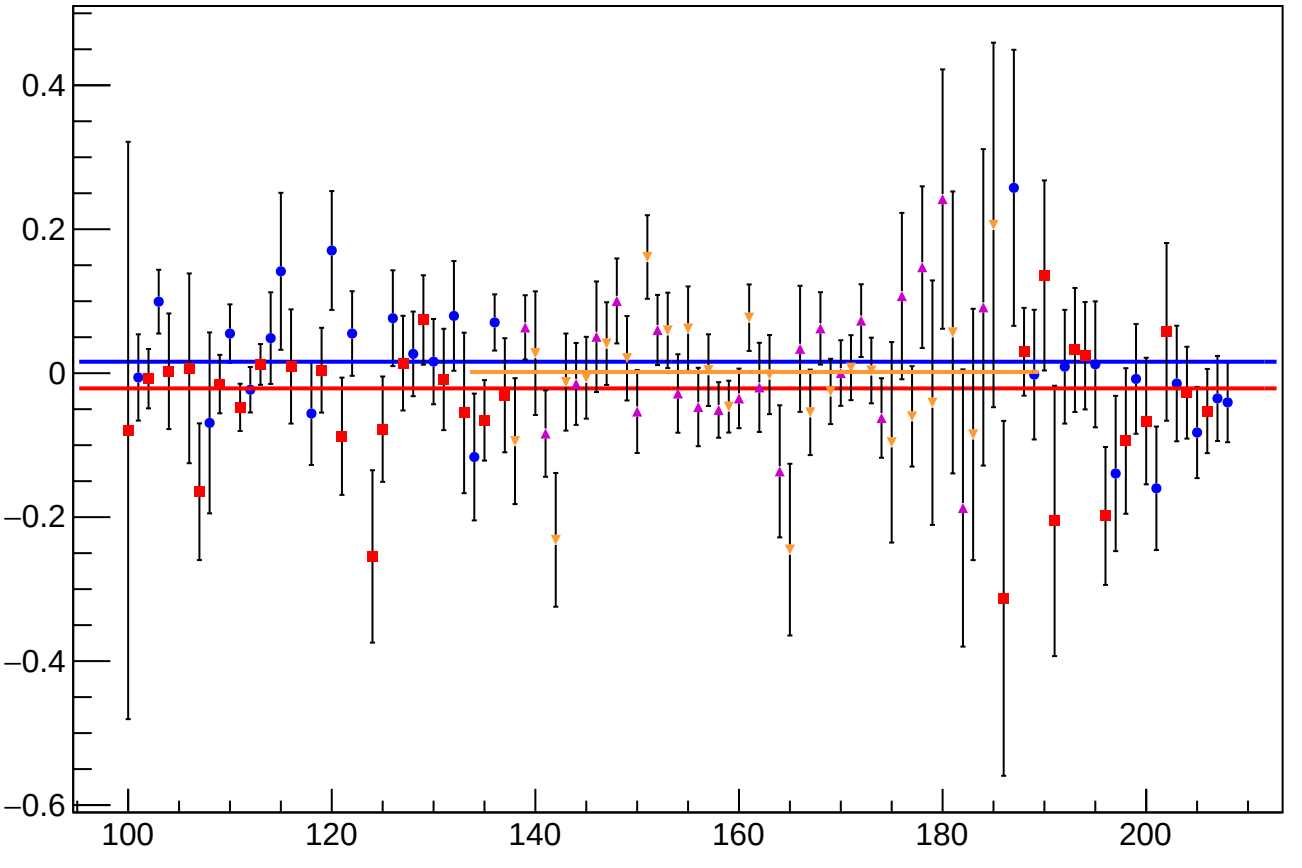
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.473+/-0.006 χ^2/NDF: 10364366.2/57

In: 45.346+/-0.006 χ^2/NDF:7534900.3/49

Out: 44.596+/-0.006 χ^2/NDF:10771901.0/55

All: 44.965+/-0.004 χ^2/NDF: 18314555.3/105



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

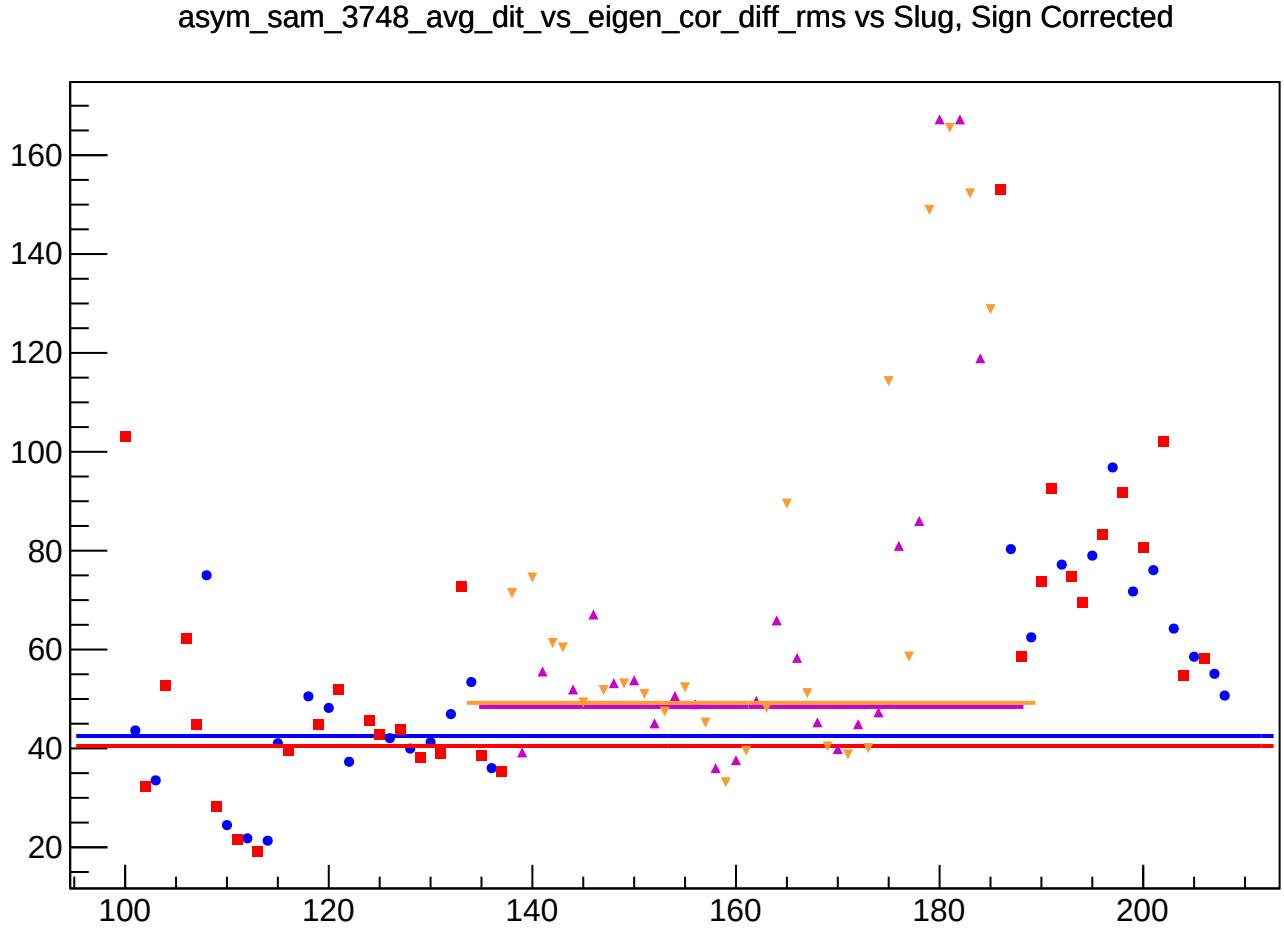
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: -0.003+/-0.008 χ^2/NDF: 59.8/57

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.001+/-0.006 χ^2/NDF: 116.4/105



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

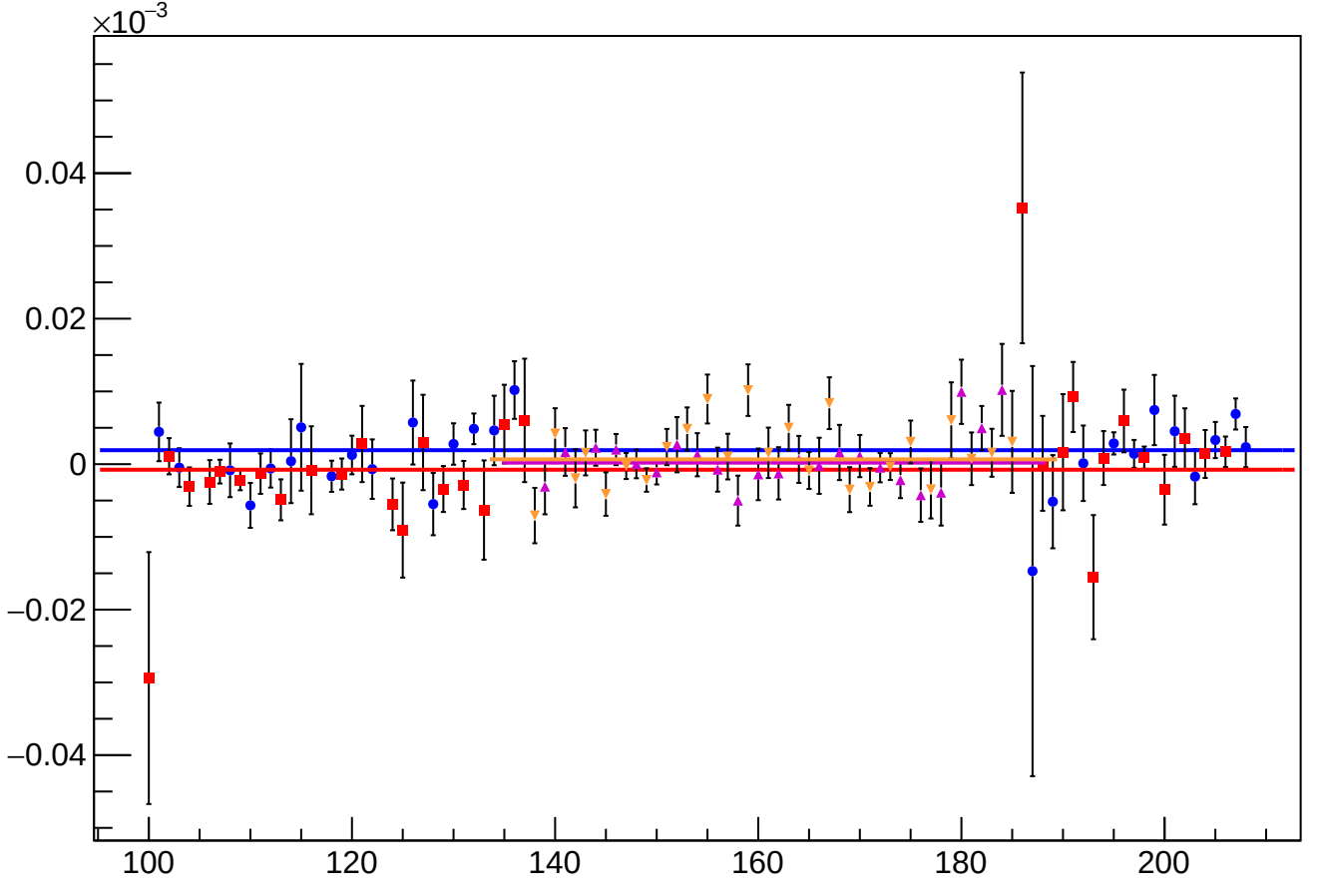
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.473+/-0.006 χ^2/NDF: 10364366.2/57

In: 45.346+/-0.006 χ^2/NDF:7534900.3/49

Out: 44.596+/-0.006 χ^2/NDF:10771901.0/55

All: 44.965+/-0.004 χ^2/NDF: 18314555.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

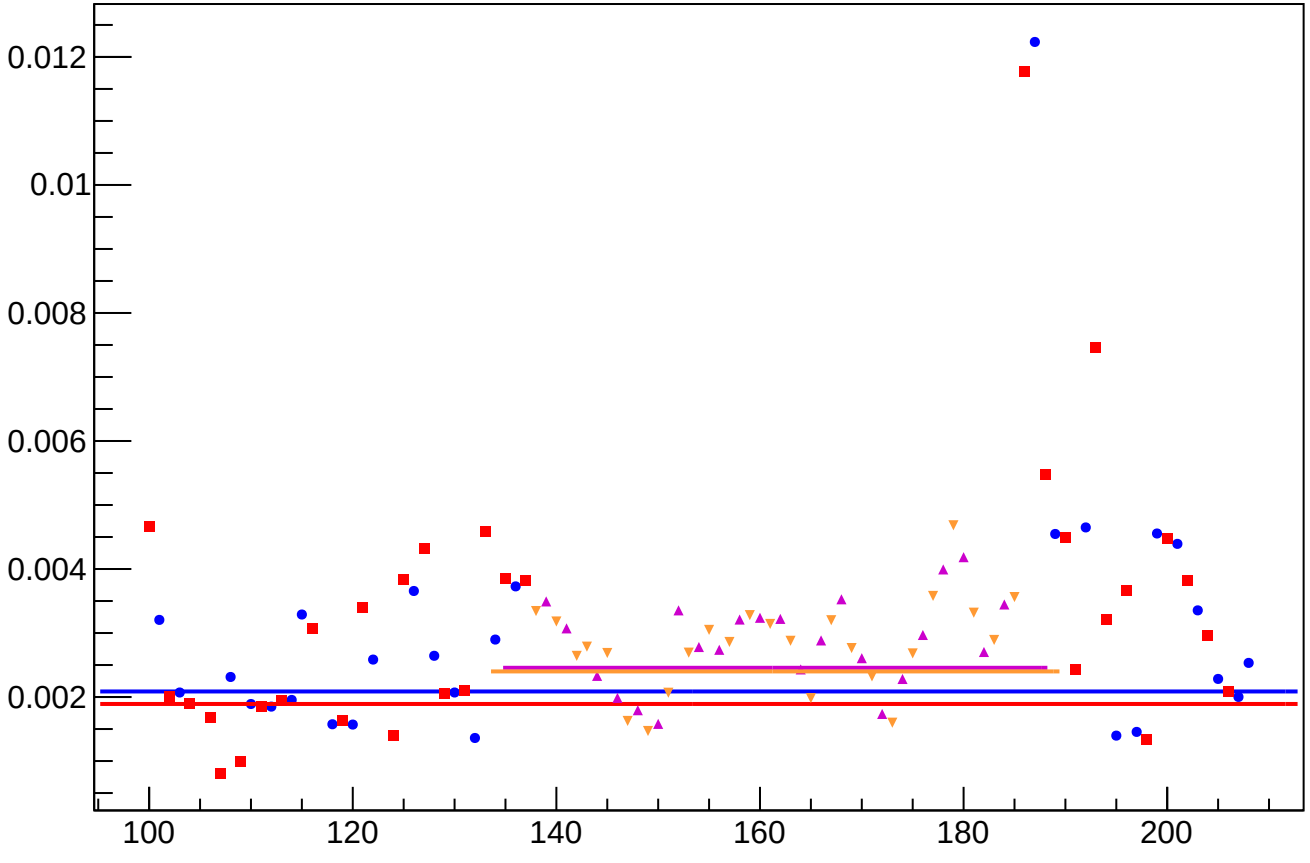
Right: 0.000+/-0.000 χ^2/NDF: 77.8/57

In: 0.000+/-0.000 χ^2/NDF:56.7/49

Out: -0.000+/-0.000 χ^2/NDF:78.7/55

All: 0.000+/-0.000 χ^2/NDF: 139.5/105

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4192902.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7579403.8/30

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

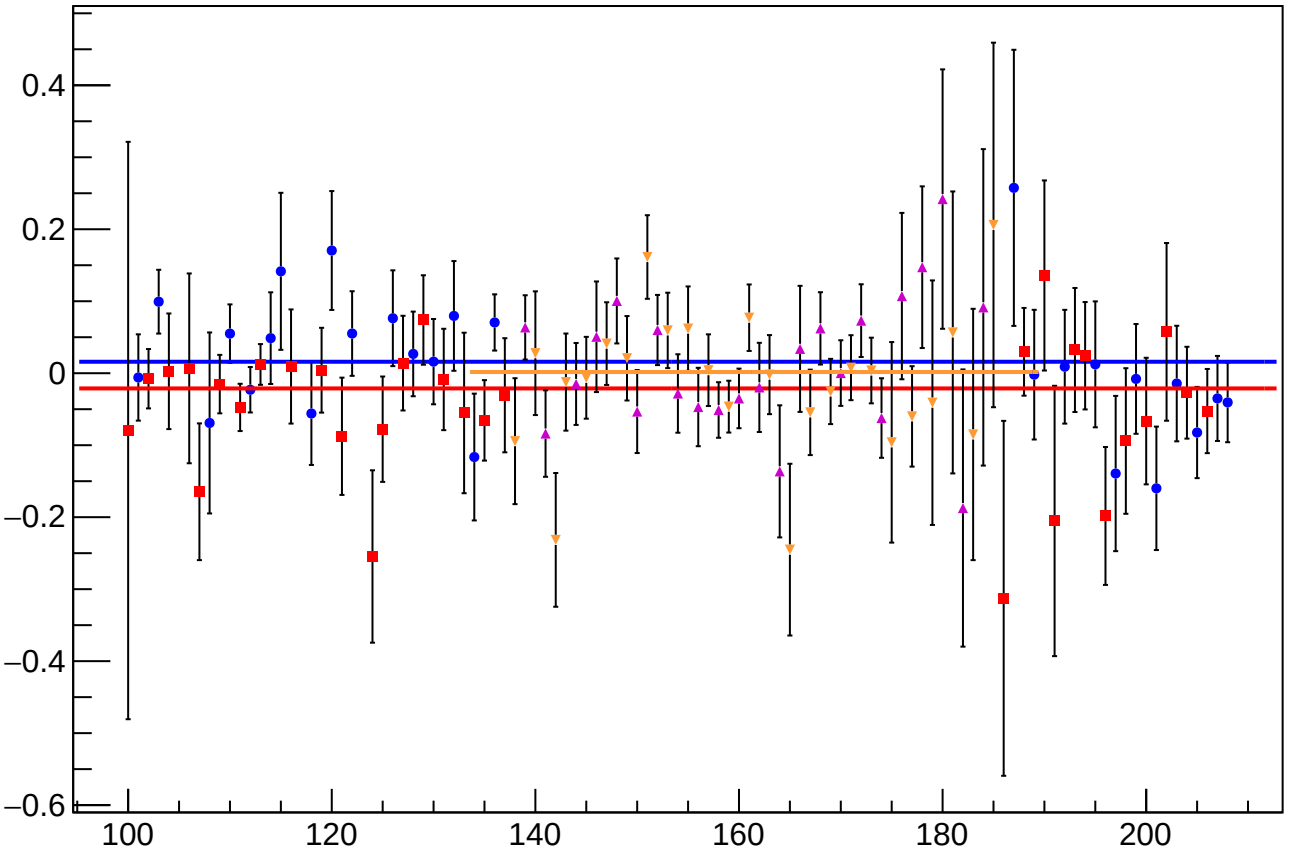
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 11891462.8/57

In: 0.002+/-0.000 χ^2/NDF:7213538.9/49

Out: 0.002+/-0.000 χ^2/NDF:11523009.2/55

All: 0.002+/-0.000 χ^2/NDF: 18838318.3/105



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

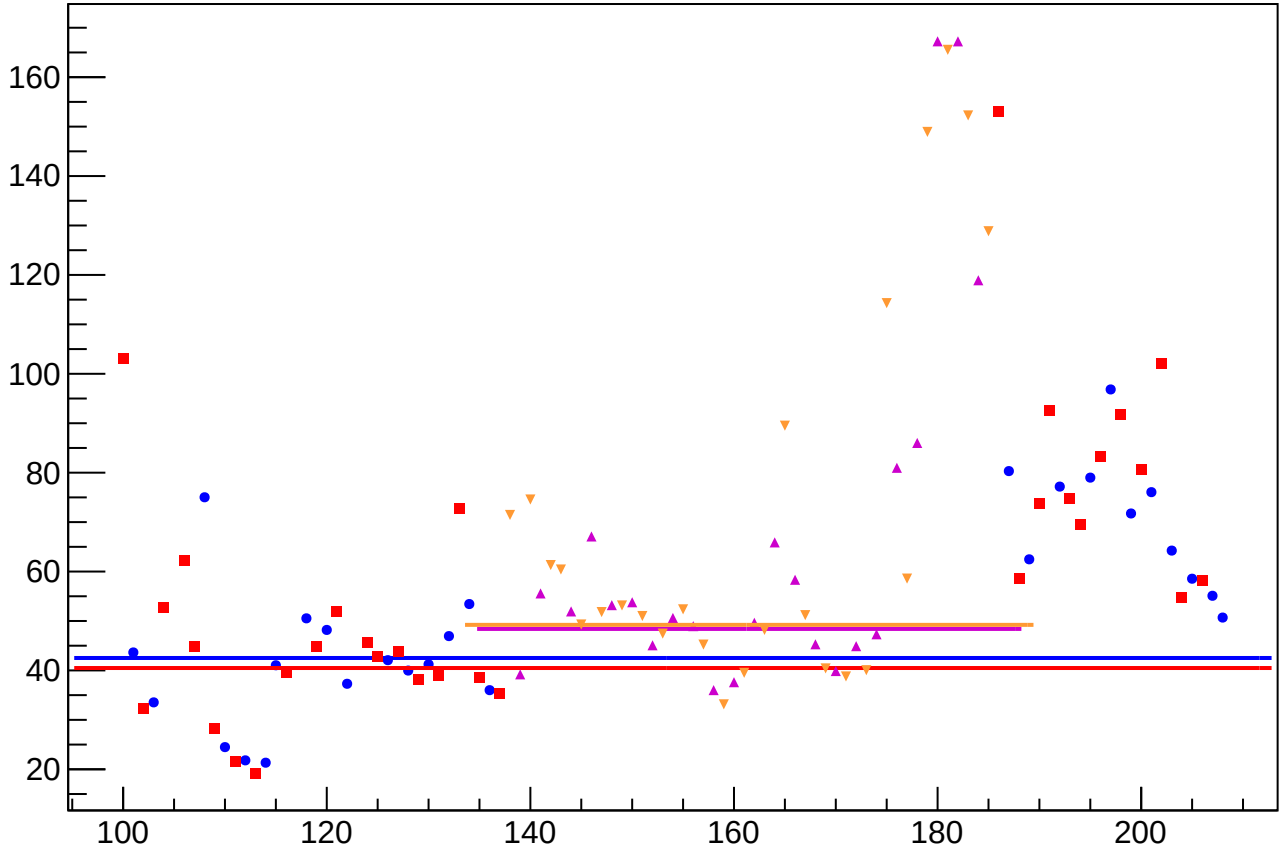
Right: -0.003+/-0.008 χ^2/NDF: 59.8/57

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.001+/-0.006 χ^2/NDF: 116.4/105

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

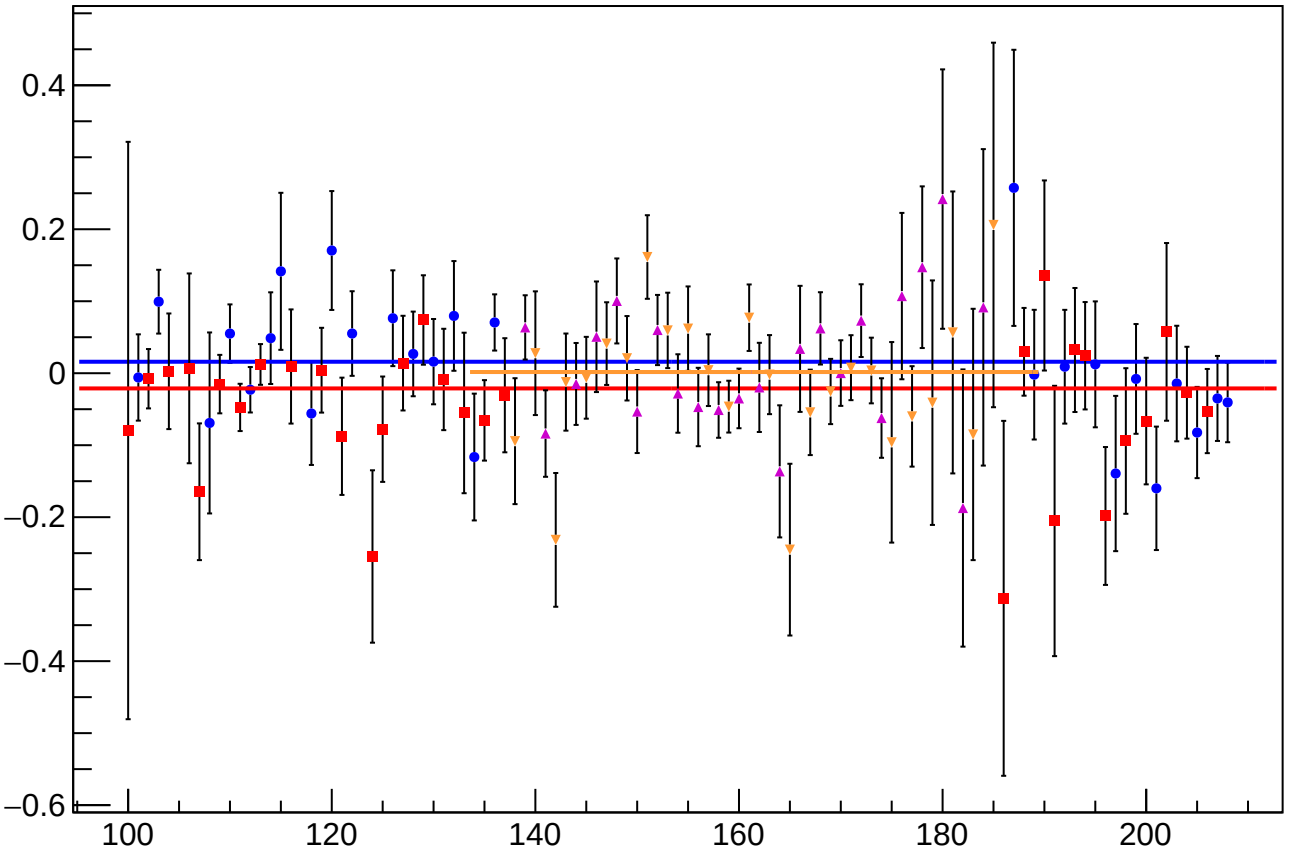
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 41.474+/-0.006 χ^2/NDF: 10364181.9/57

In: 45.346+/-0.006 χ^2/NDF:7534757.4/49

Out: 44.597+/-0.006 χ^2/NDF:10771815.7/55

All: 44.965+/-0.004 χ^2/NDF: 18314325.3/105



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

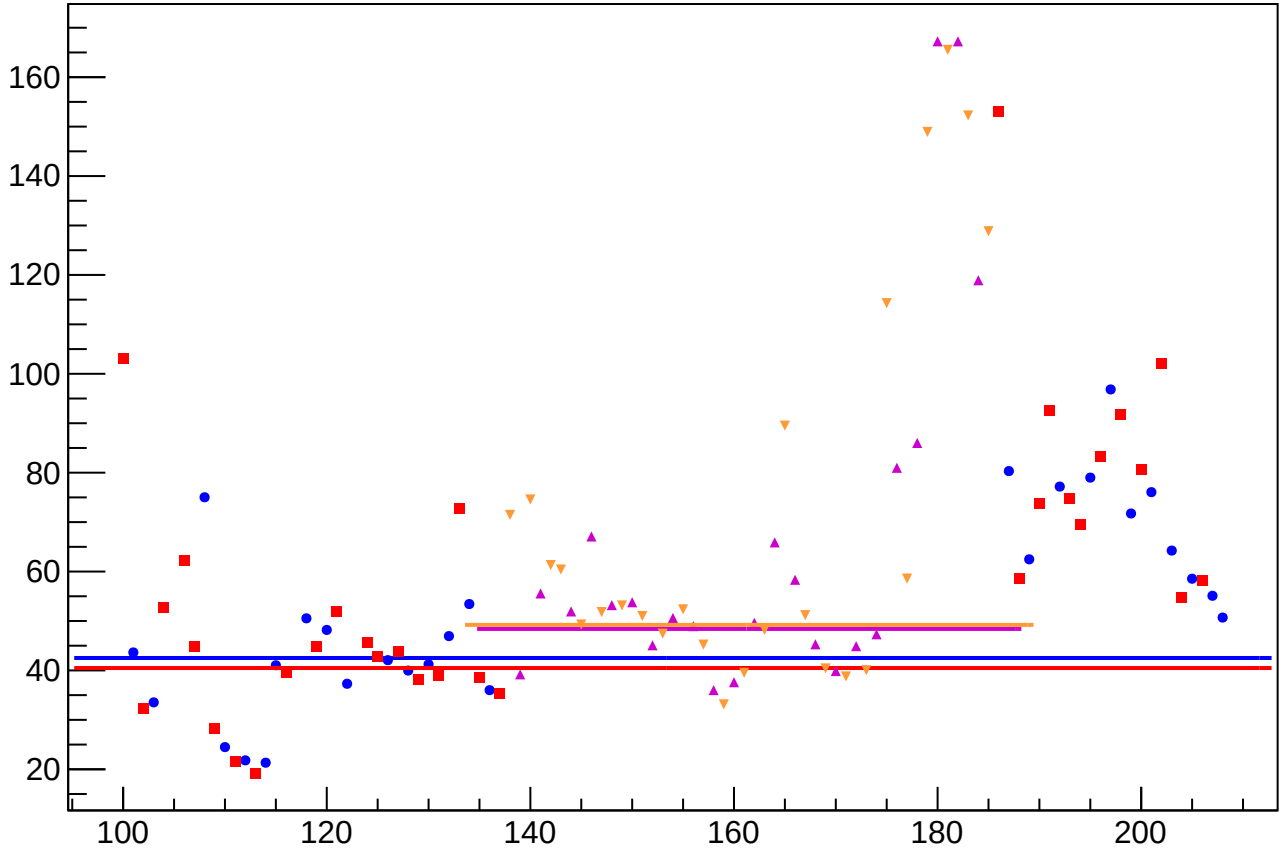
Right: -0.003+/-0.008 χ^2/NDF: 59.8/57

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.001+/-0.006 χ^2/NDF: 116.4/105

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

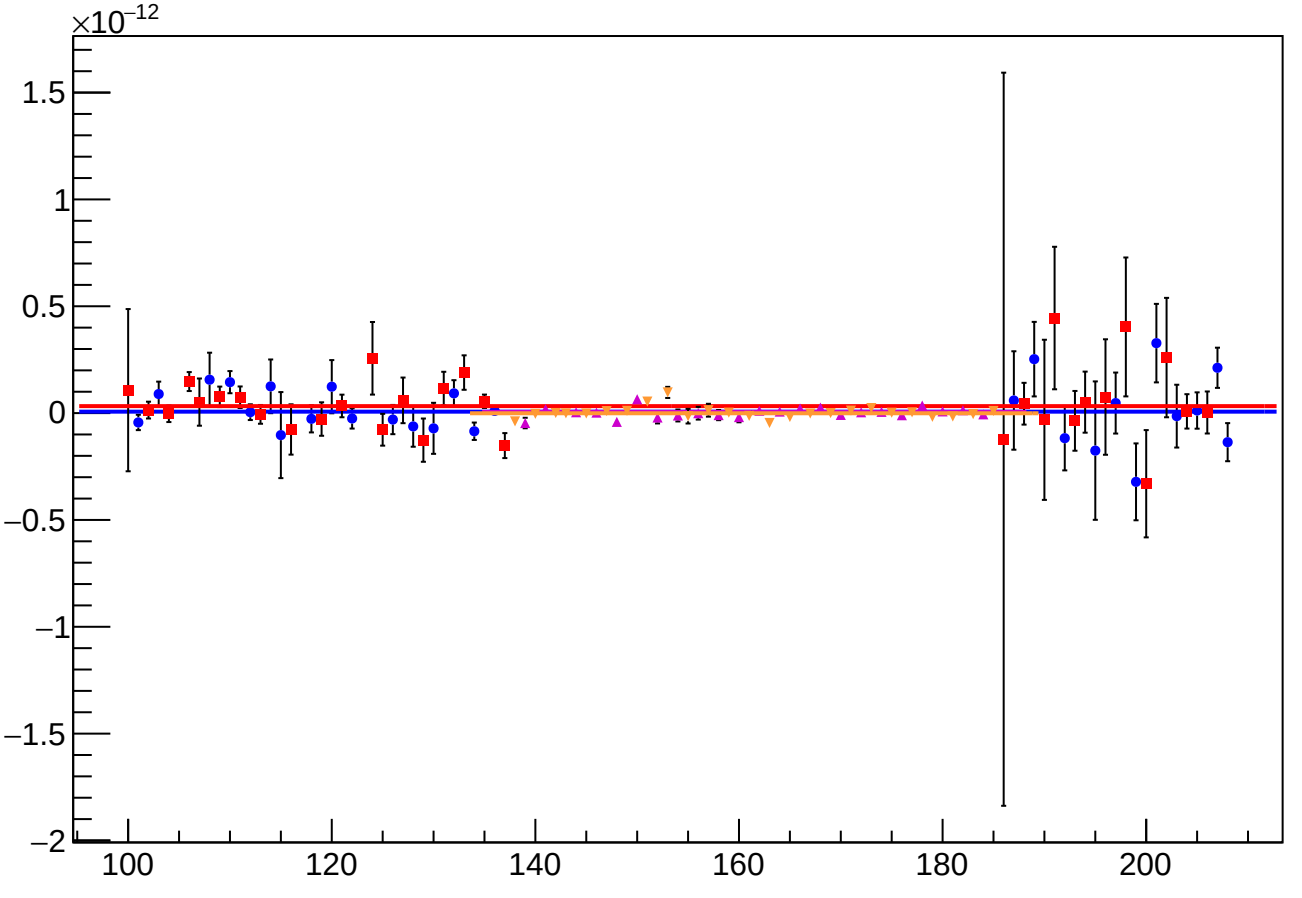
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 41.474+/-0.006 χ^2/NDF: 10364181.9/57

In: 45.346+/-0.006 χ^2/NDF:7534757.4/49

Out: 44.597+/-0.006 χ^2/NDF:10771815.7/55

All: 44.965+/-0.004 χ^2/NDF: 18314325.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/30

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

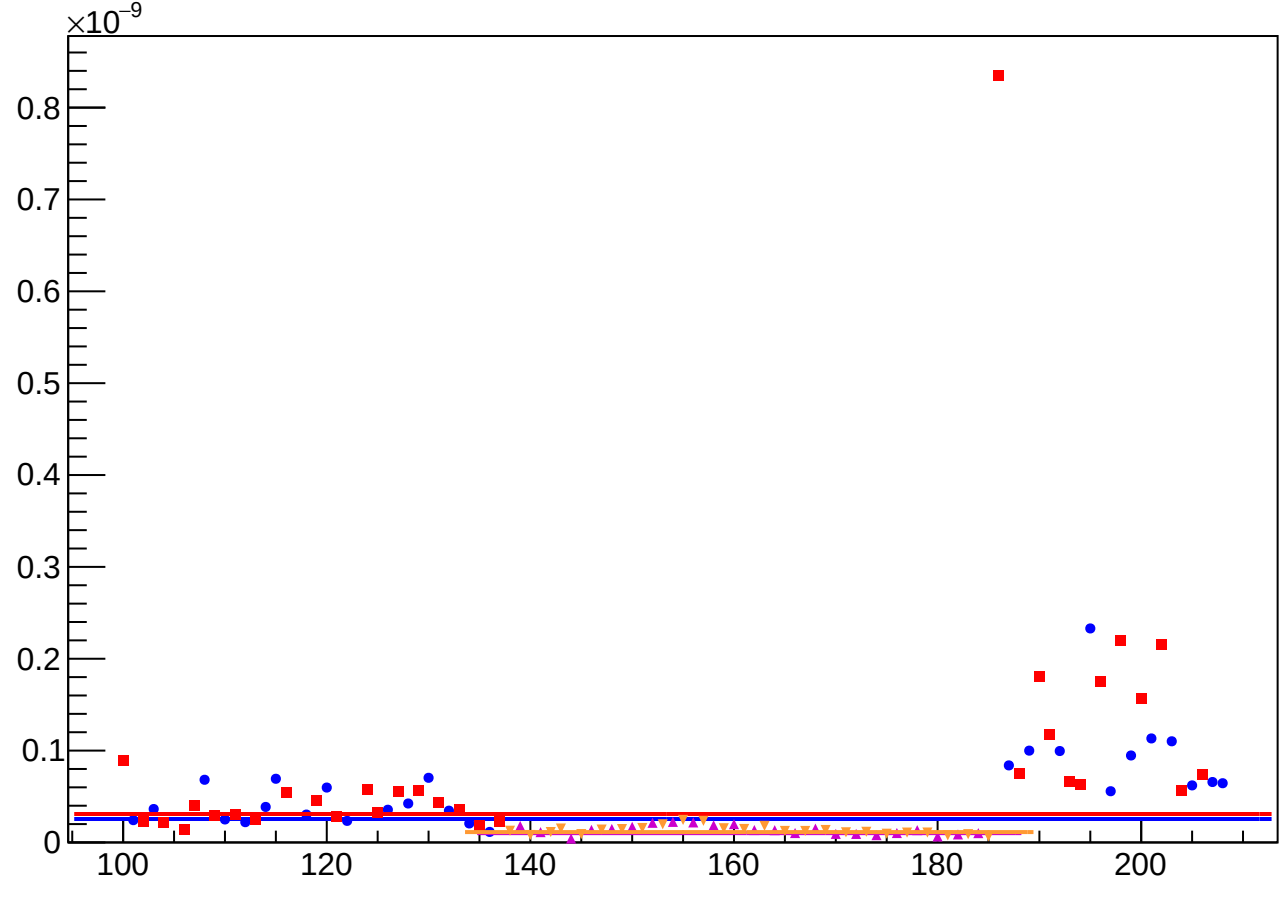
Right: 0.000+/-0.000 χ^2/NDF: 82.4/57

In: 0.000+/-0.000 χ^2/NDF:68.9/49

Out: 0.000+/-0.000 χ^2/NDF:83.2/55

All: 0.000+/-0.000 χ^2/NDF: 153.0/105

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6790397.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6186461.8/30

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

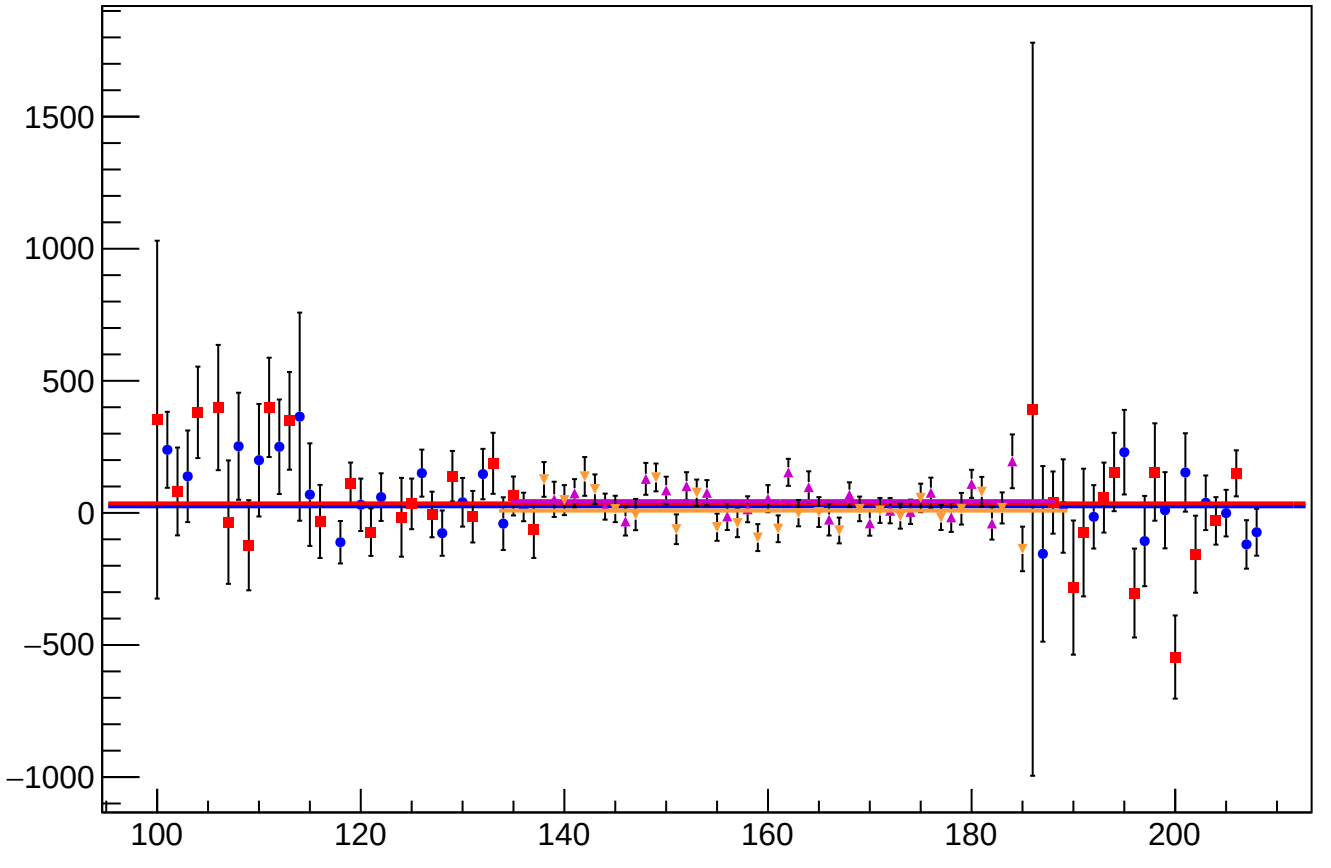
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13191101.8/57

In: 0.000+/-0.000 χ^2/NDF:14445411.5/49

Out: 0.000+/-0.000 χ^2/NDF:13035821.8/55

All: 0.000+/-0.000 χ^2/NDF: 27635319.2/105



Right In: 25.006+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 36.006+/-22.374 χ^2/NDF: 45.9/30

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

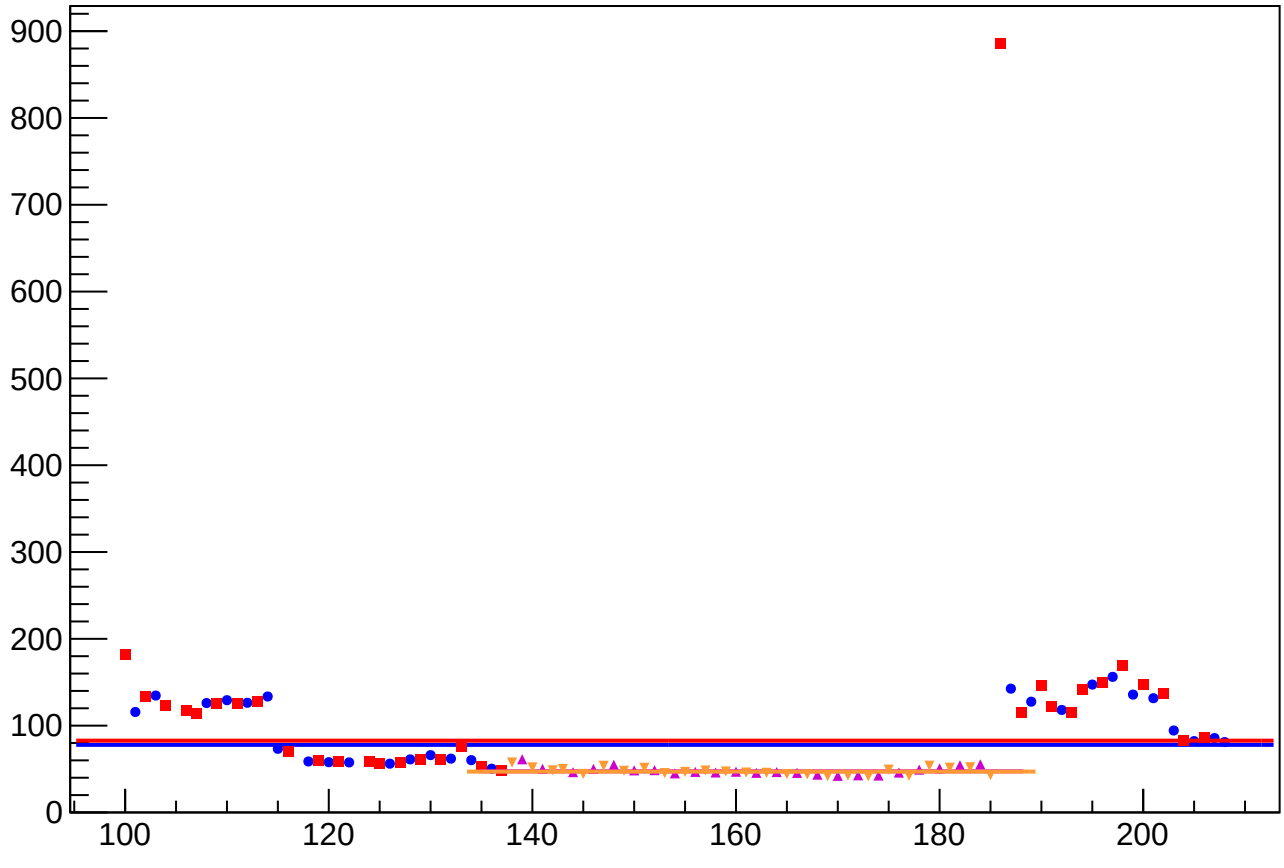
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 30.180+/-15.344 χ^2/NDF: 68.6/57

In: 40.273+/-9.856 χ^2/NDF:50.3/49

Out: 13.882+/-9.704 χ^2/NDF:81.7/55

All: 26.873+/-6.915 χ^2/NDF: 135.7/105



Right In: 77.858+/-0.015 χ^2/NDF: 3841208.4/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.715+/-0.016 χ^2/NDF: 4986987.2/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

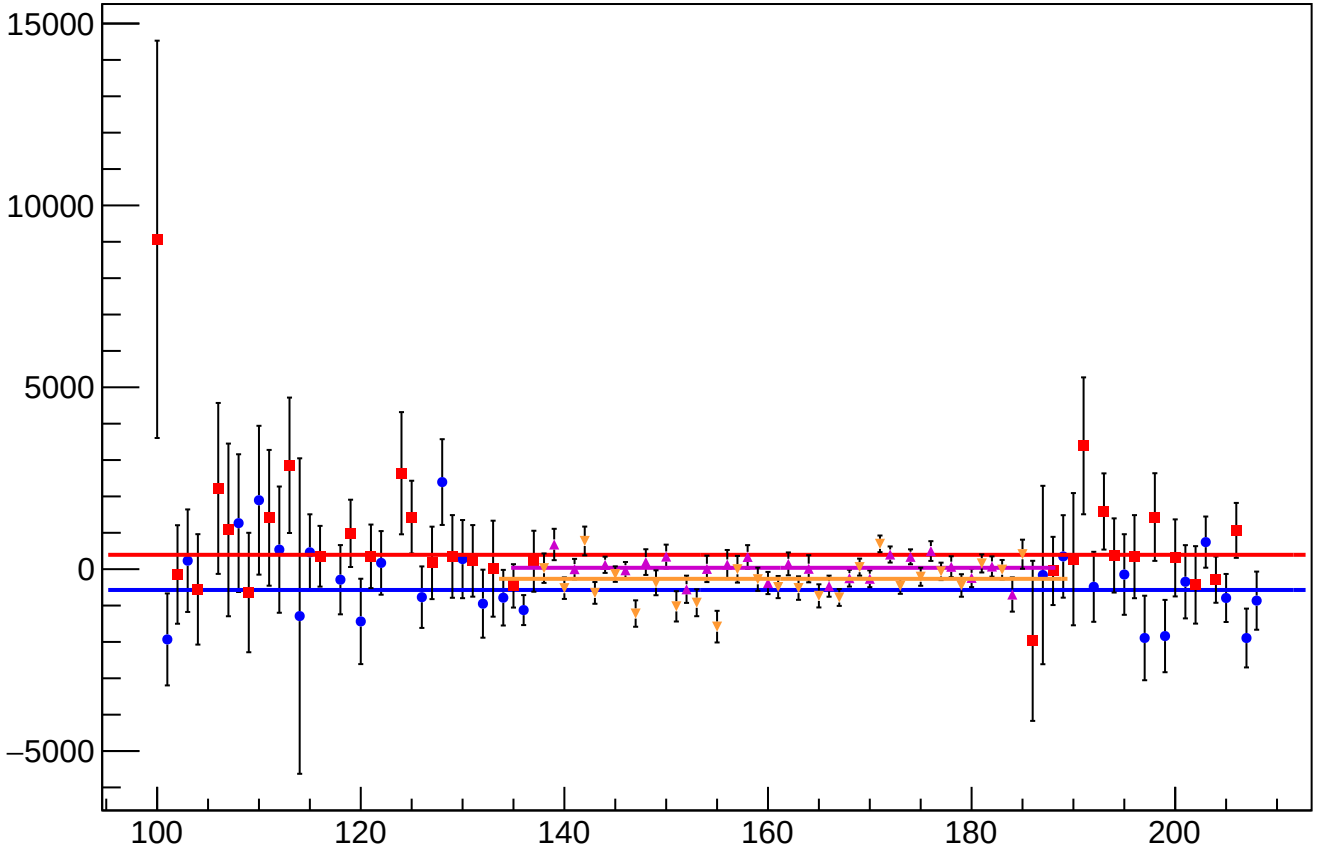
Right: 80.143+/-0.011 χ^2/NDF: 8878113.1/57

In: 54.042+/-0.007 χ^2/NDF:7377624.9/49

Out: 53.771+/-0.007 χ^2/NDF:9397499.3/55

All: 53.904+/-0.005 χ^2/NDF: 16775897.0/105

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -571.785+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 394.821+/-194.359 χ^2/NDF: 20.2/30

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

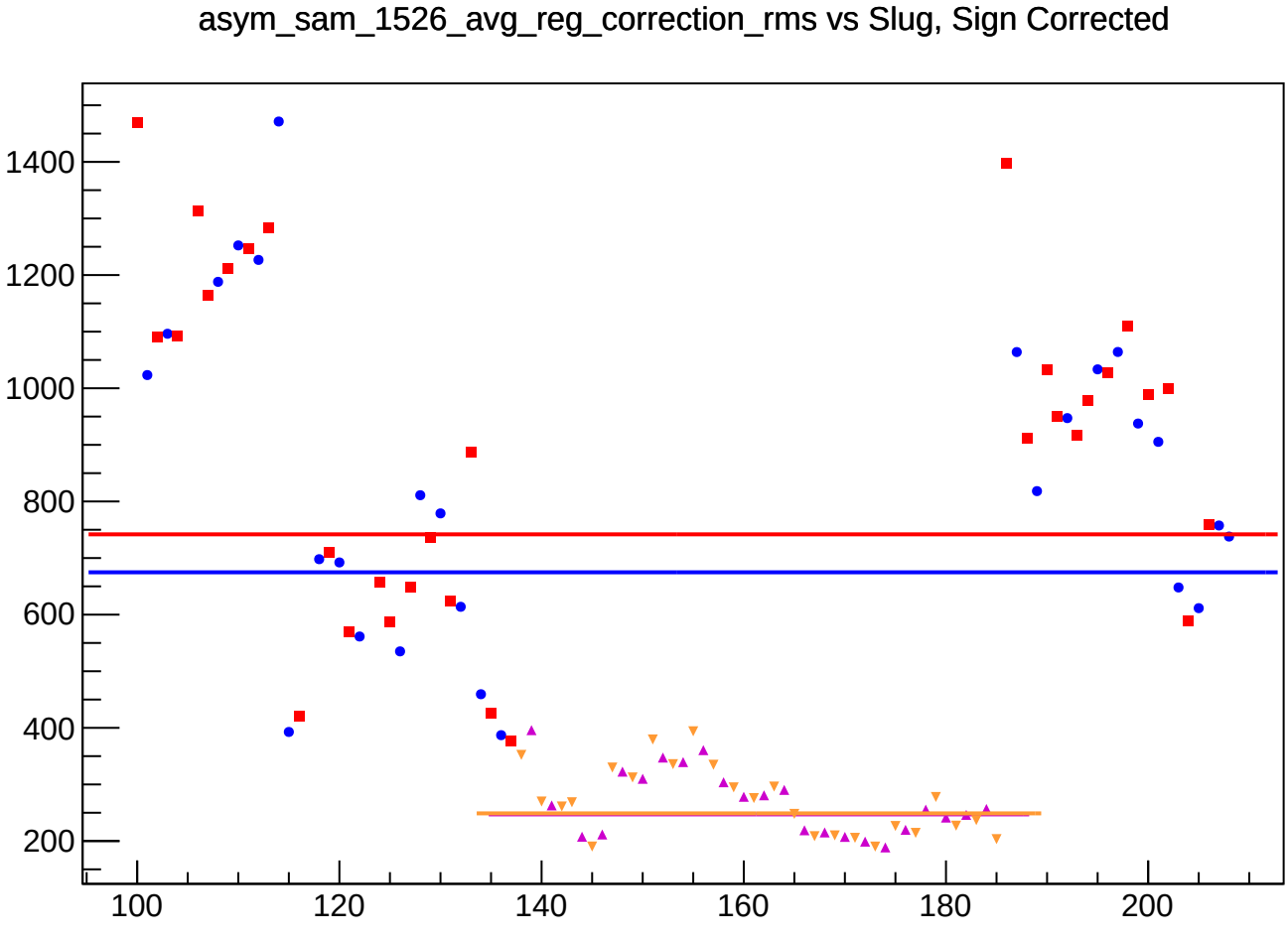
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -125.003+/-132.138 χ^2/NDF: 59.5/57

In: -21.761+/-56.208 χ^2/NDF:62.9/49

Out: -211.620+/-55.606 χ^2/NDF:100.6/55

All: -117.713+/-39.530 χ^2/NDF: 169.3/105



Right In: 674.812+/-0.127 χ^2/NDF: 3306253.5/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 741.887+/-0.137 χ^2/NDF: 3512791.1/30

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

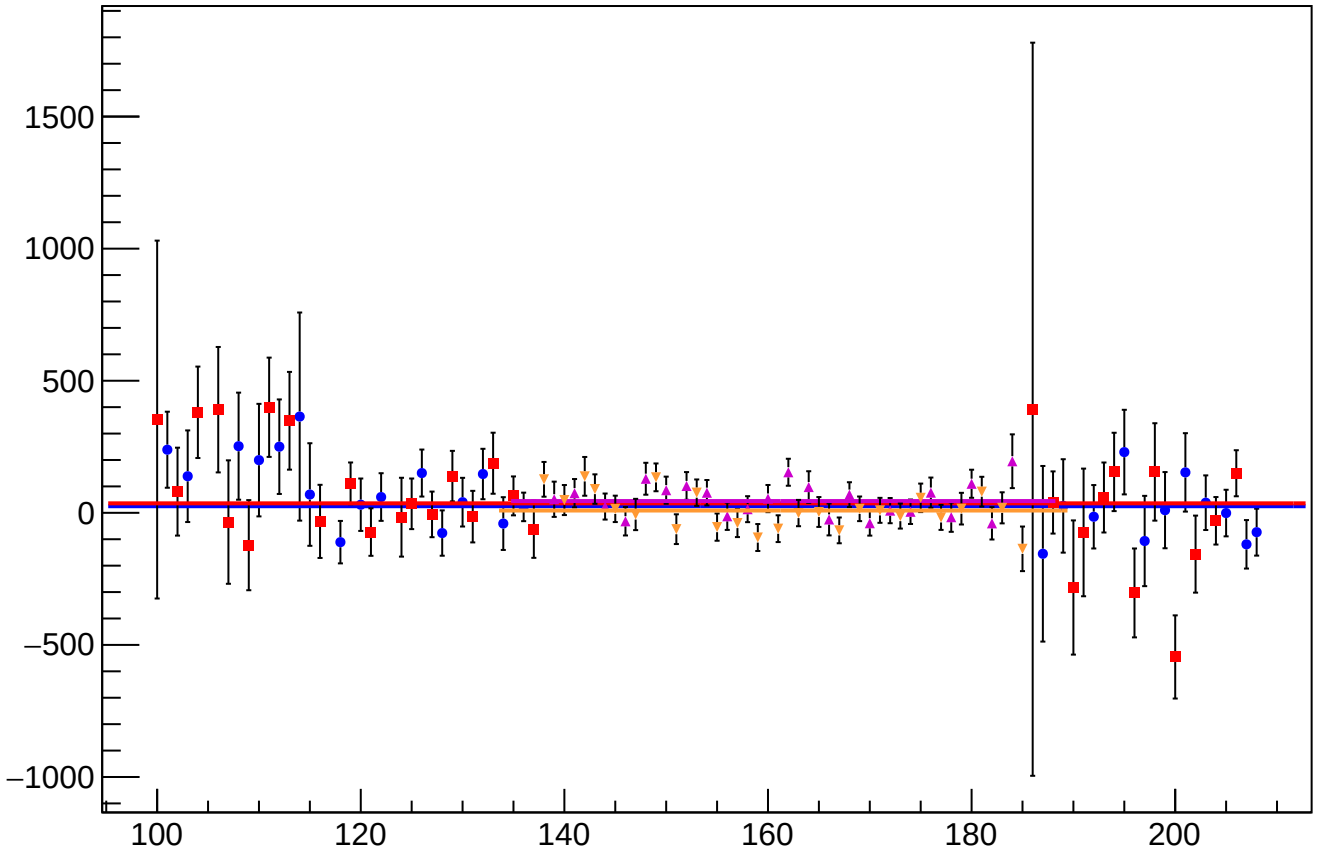
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 705.815+/-0.093 χ^2/NDF: 6947142.6/57

In: 288.727+/-0.040 χ^2/NDF:14962730.5/49

Out: 289.243+/-0.039 χ^2/NDF:16991142.9/55

All: 288.988+/-0.028 χ^2/NDF: 31953958.6/10



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 35.904+/-22.374 χ^2/NDF: 45.8/30

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

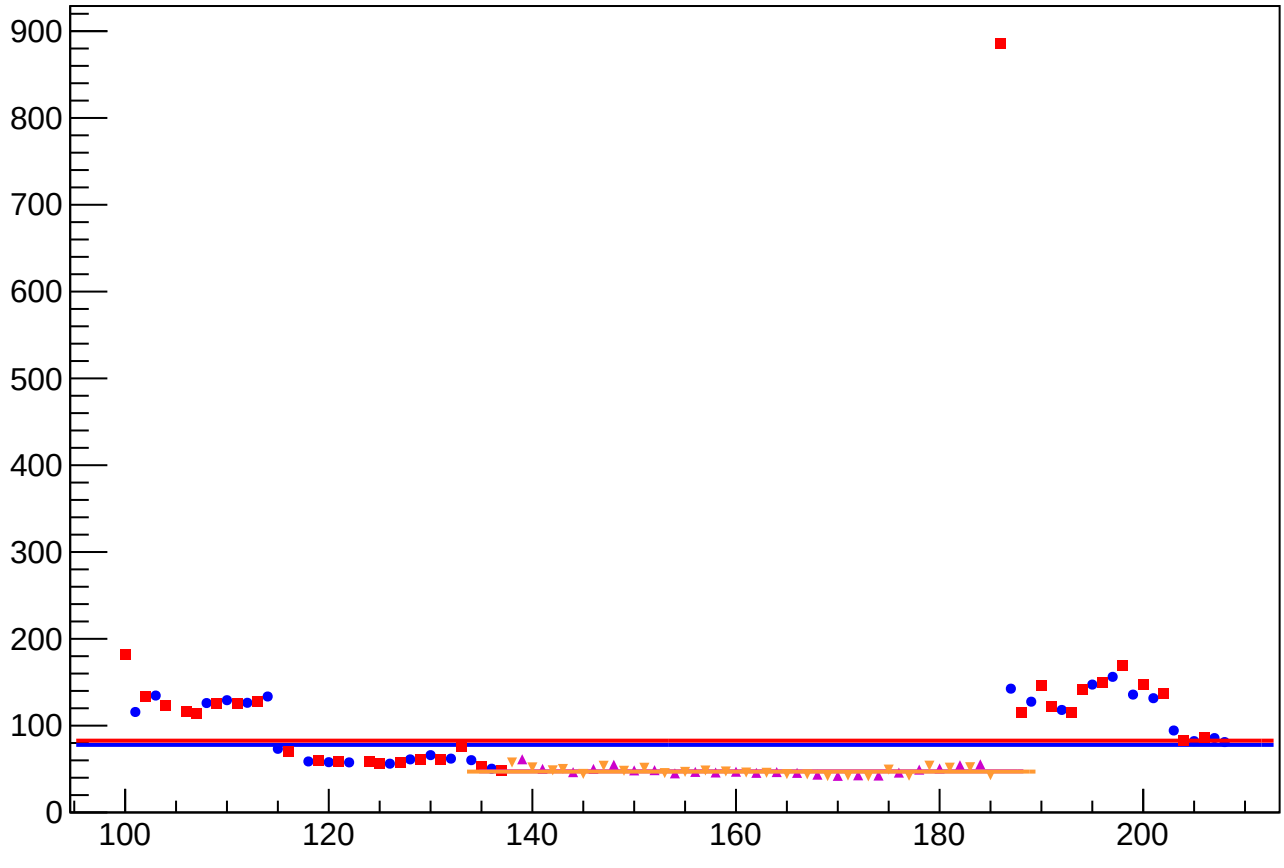
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 30.127+/-15.344 χ^2/NDF: 68.5/57

In: 40.270+/-9.856 χ^2/NDF:50.3/49

Out: 13.864+/-9.704 χ^2/NDF:81.6/55

All: 26.862+/-6.915 χ^2/NDF: 135.5/105



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

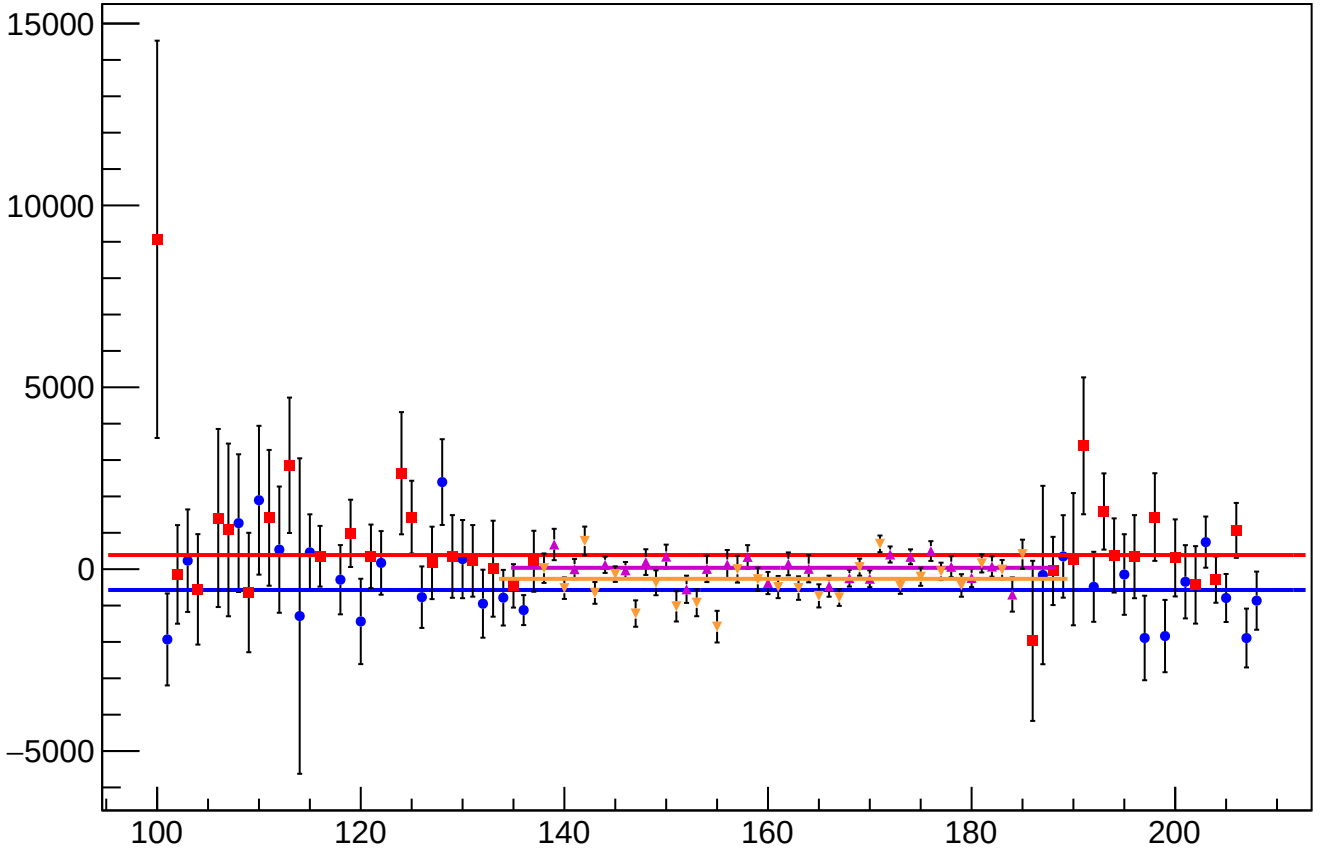
Right: 80.138+/-0.011 χ^2/NDF: 8875668.4/57

In: 54.042+/-0.007 χ^2/NDF:7377627.0/49

Out: 53.769+/-0.007 χ^2/NDF:9392935.3/55

All: 53.903+/-0.005 χ^2/NDF: 16771346.4/105

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

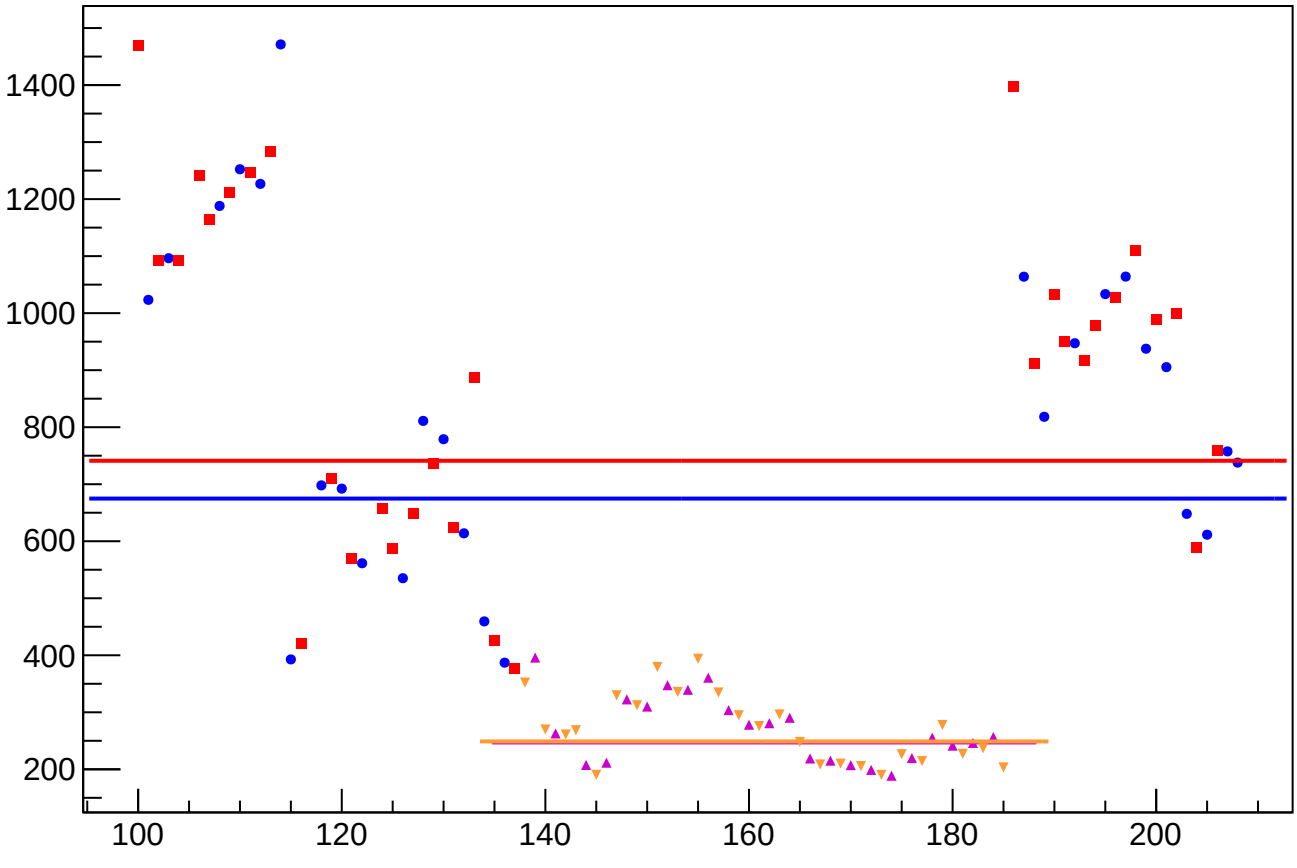
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -127.930+/-132.155 χ^2/NDF: 58.9/57

In: -21.763+/-56.208 χ^2/NDF:62.9/49

Out: -212.140+/-55.607 χ^2/NDF:100.0/55

All: -117.974+/-39.531 χ^2/NDF: 168.7/105



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

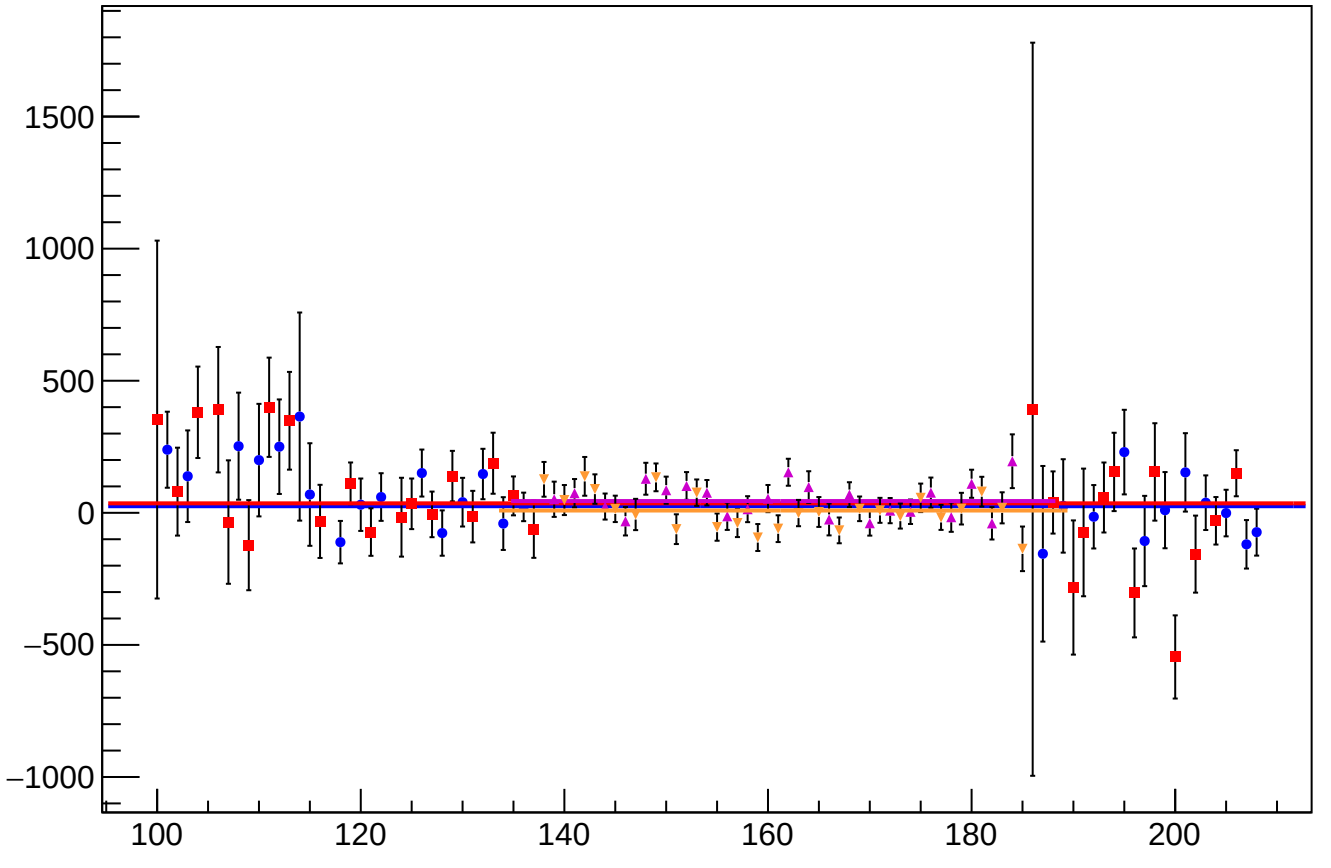
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 705.457+/-0.093 χ^2/NDF: 6909642.8/57

In: 288.727+/-0.040 χ^2/NDF:14962742.3/49

Out: 289.160+/-0.039 χ^2/NDF:16914214.0/55

All: 288.946+/-0.028 χ^2/NDF: 31877016.3/10



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 35.904+/-22.374 χ^2/NDF: 45.8/30

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

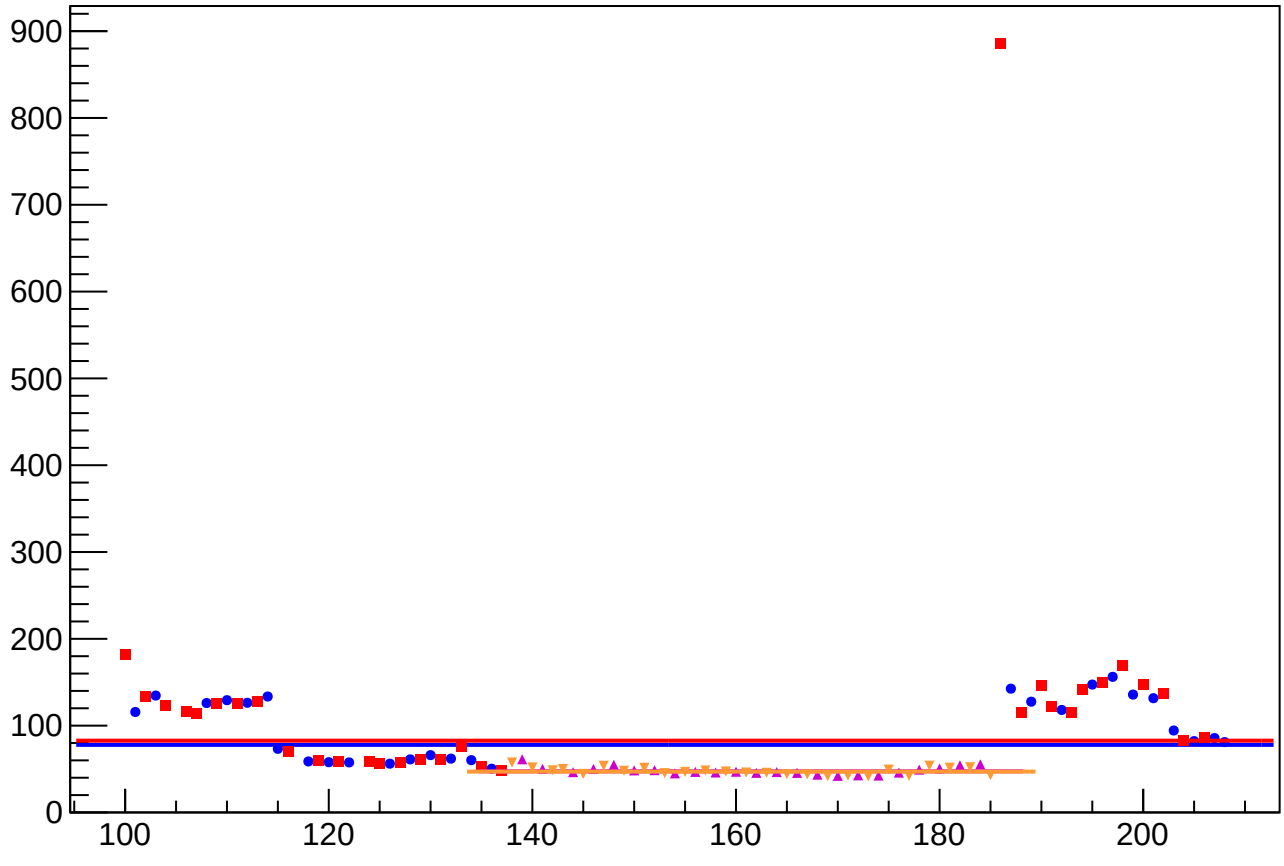
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 30.127+/-15.344 χ^2/NDF: 68.5/57

In: 40.270+/-9.856 χ^2/NDF:50.3/49

Out: 13.864+/-9.704 χ^2/NDF:81.6/55

All: 26.862+/-6.915 χ^2/NDF: 135.5/105



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

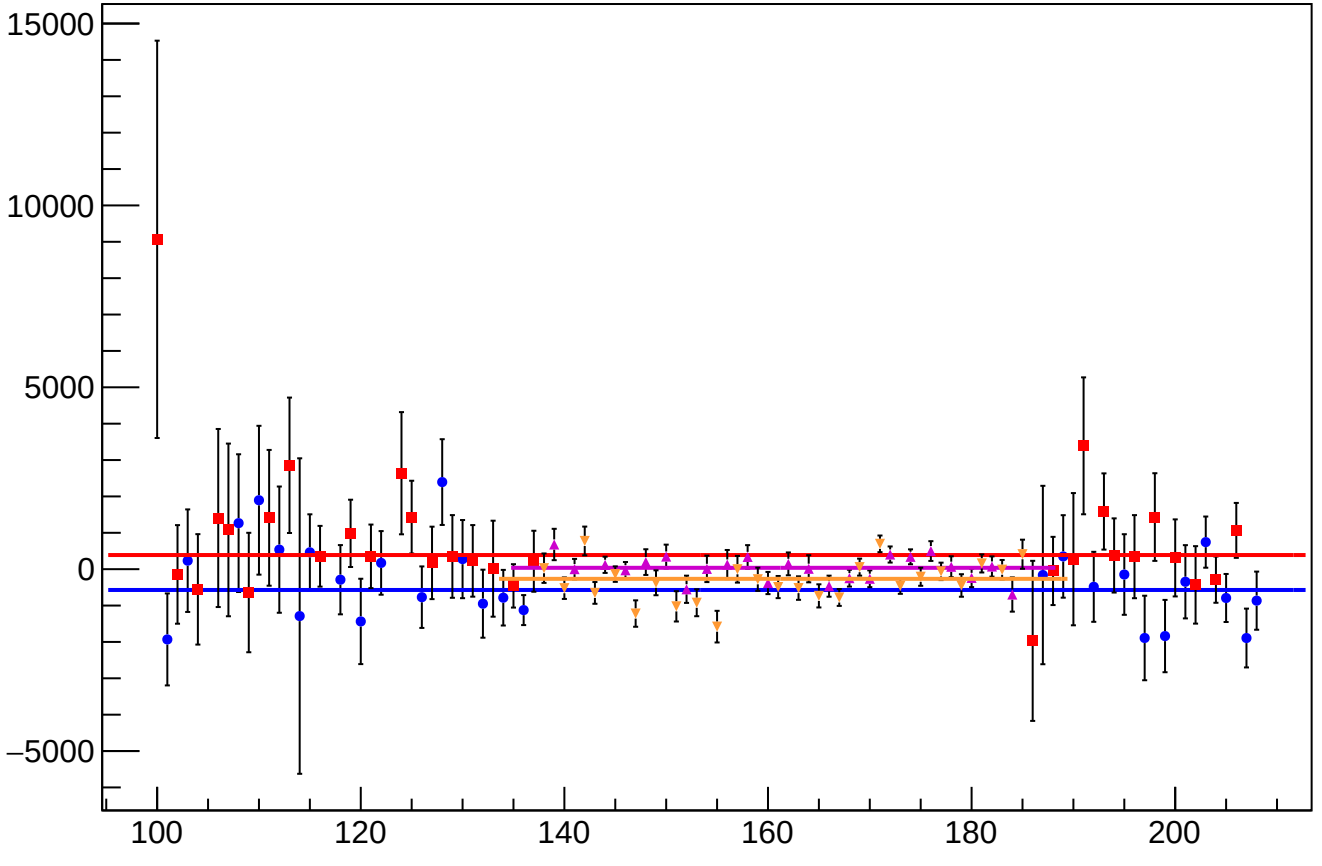
Right: 80.138+/-0.011 χ^2/NDF: 8875668.4/57

In: 54.042+/-0.007 χ^2/NDF:7377627.0/49

Out: 53.769+/-0.007 χ^2/NDF:9392935.3/55

All: 53.903+/-0.005 χ^2/NDF: 16771346.4/105

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

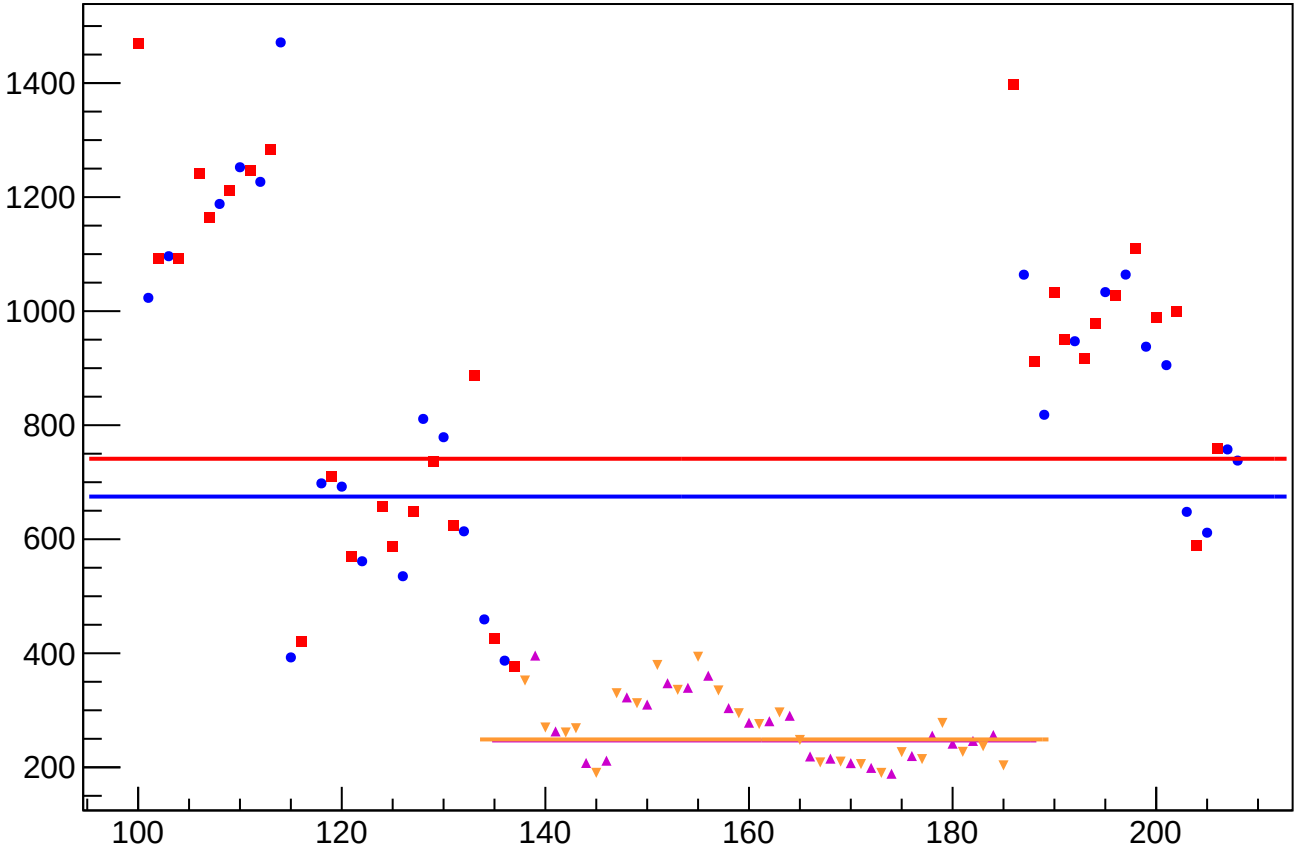
Right: -127.930+/-132.155 χ^2/NDF: 58.9/57

In: -21.763+/-56.208 χ^2/NDF:62.9/49

Out: -212.140+/-55.607 χ^2/NDF:100.0/55

All: -117.974+/-39.531 χ^2/NDF: 168.7/105

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

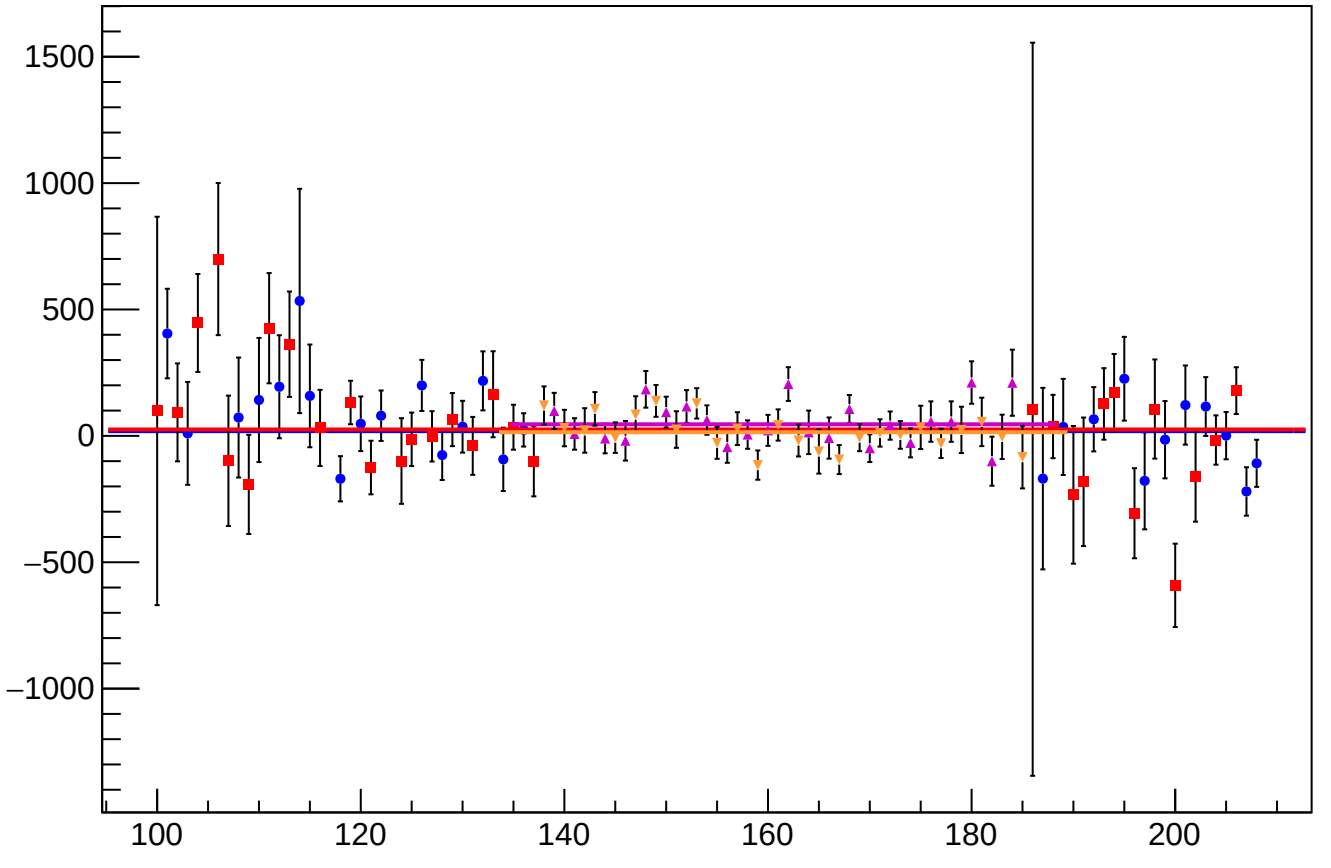
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 705.457+/-0.093 χ^2/NDF: 6909642.8/57

In: 288.727+/-0.040 χ^2/NDF:14962742.3/49

Out: 289.160+/-0.039 χ^2/NDF:16914214.0/55

All: 288.946+/-0.028 χ^2/NDF: 31877016.3/10



Right In: 18.757+/-23.737 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 25.343+/-25.343 χ^2/NDF: 48.2/30

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

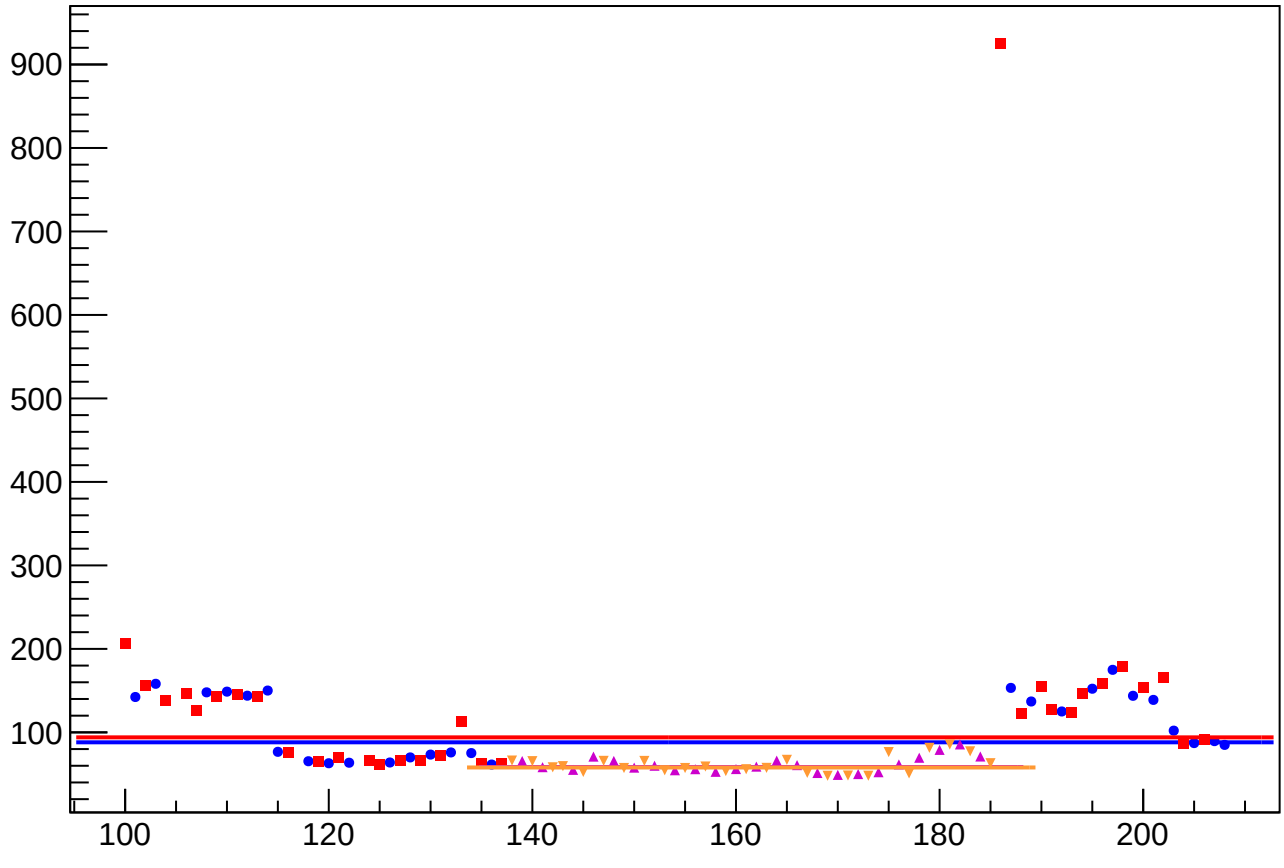
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 21.835+/-17.324 χ^2/NDF: 80.9/57

In: 38.876+/-12.015 χ^2/NDF:64.4/49

Out: 16.883+/-11.883 χ^2/NDF:72.9/55

All: 27.758+/-8.449 χ^2/NDF: 139.0/105



Right In: 88.088+/-0.017 χ^2/NDF: 3402096.7/26

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.028+/-0.018 χ^2/NDF: 4561271.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

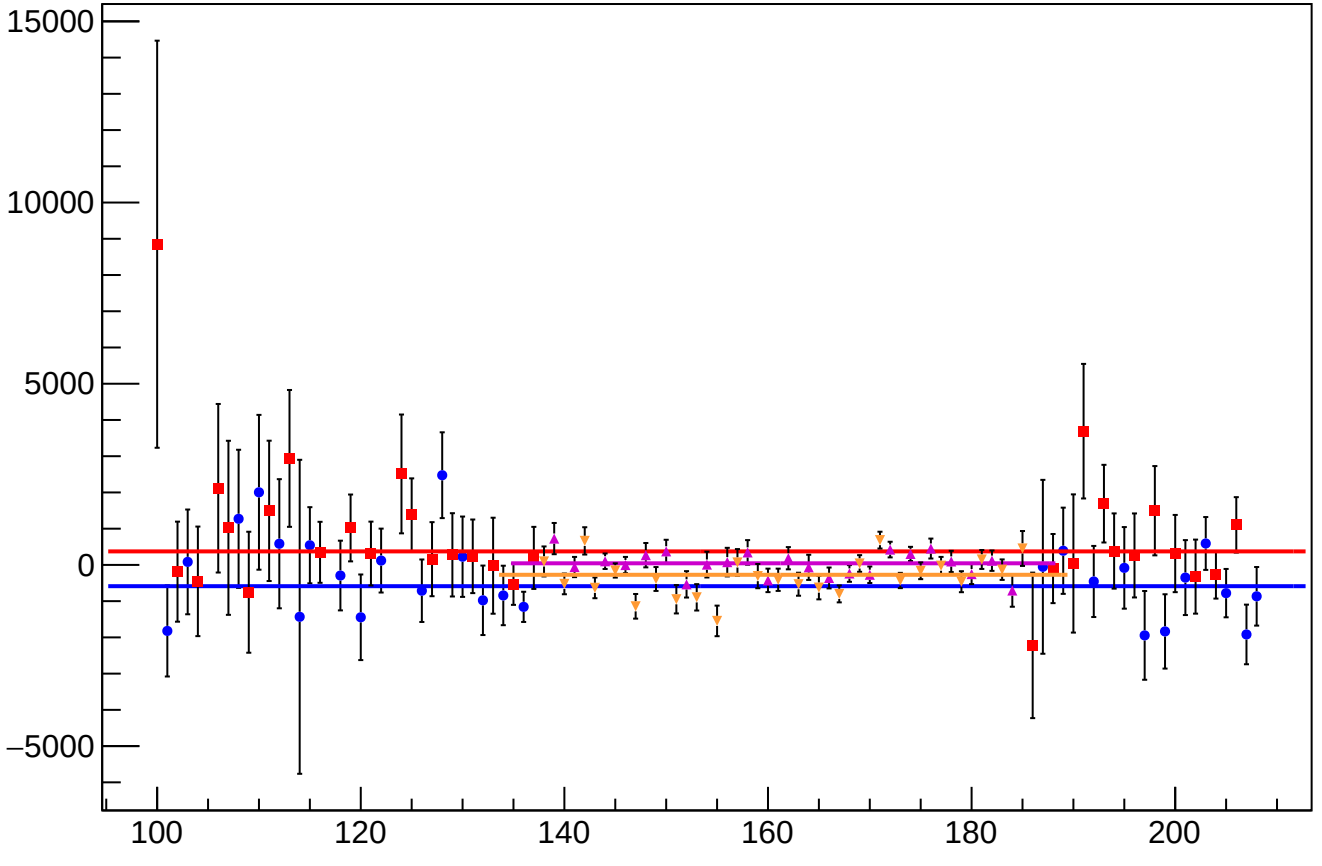
Right: 90.864+/-0.012 χ^2/NDF: 8021901.6/57

In: 66.065+/-0.008 χ^2/NDF:6366674.5/49

Out: 65.894+/-0.008 χ^2/NDF:8617521.6/55

All: 65.979+/-0.006 χ^2/NDF: 14984400.3/105

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -586.941+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 373.173+/-195.492 χ^2/NDF: 21.8/30

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

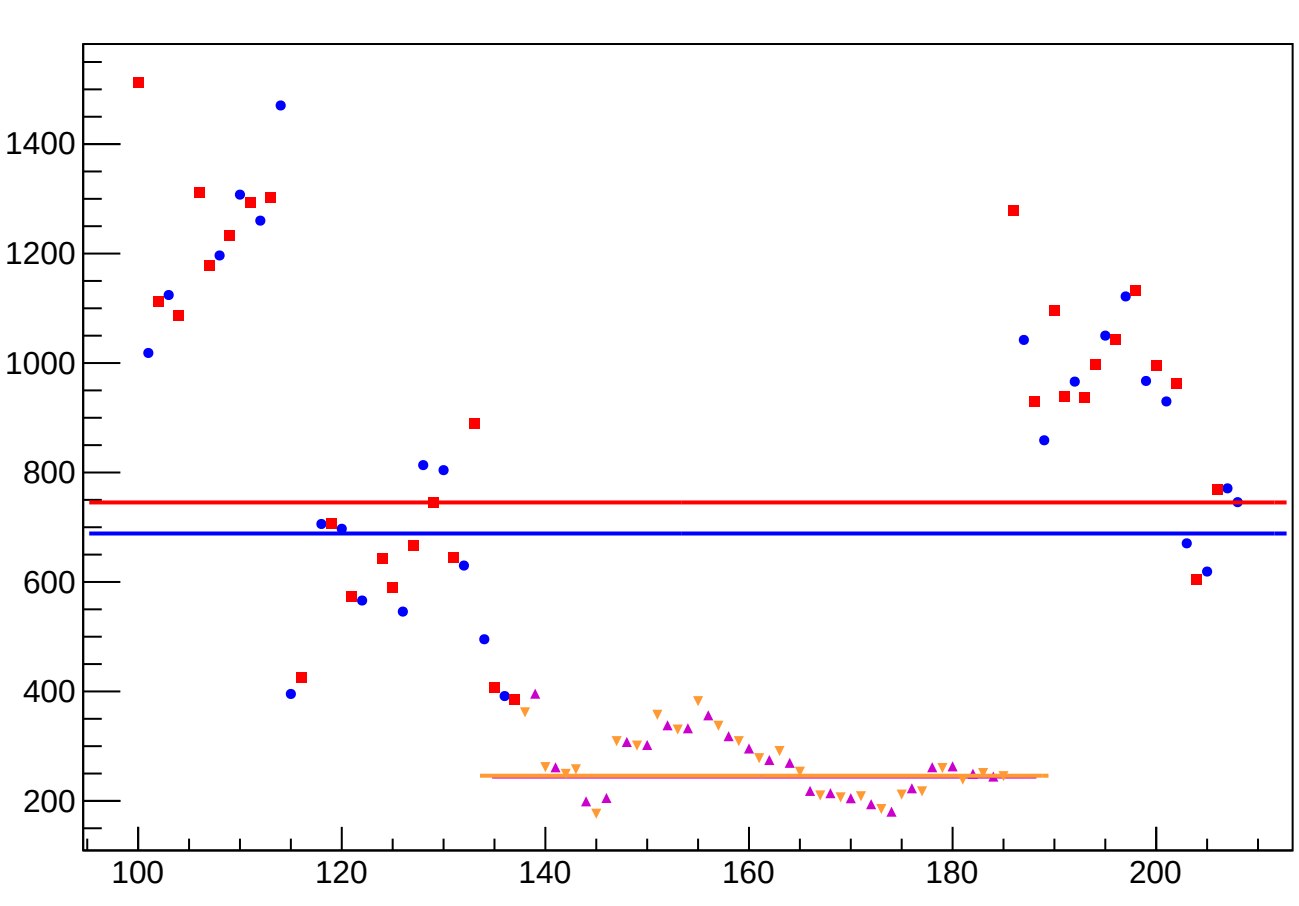
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -136.167+/-133.951 χ^2/NDF: 59.6/57

In: -13.678+/-55.846 χ^2/NDF:62.2/49

Out: -221.473+/-54.964 χ^2/NDF:97.6/55

All: -119.230+/-39.174 χ^2/NDF: 166.8/105



Right In: 688.554+/-0.130 χ^2/NDF: 3339668.4/26

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 745.277+/-0.138 χ^2/NDF: 3615576.4/30

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

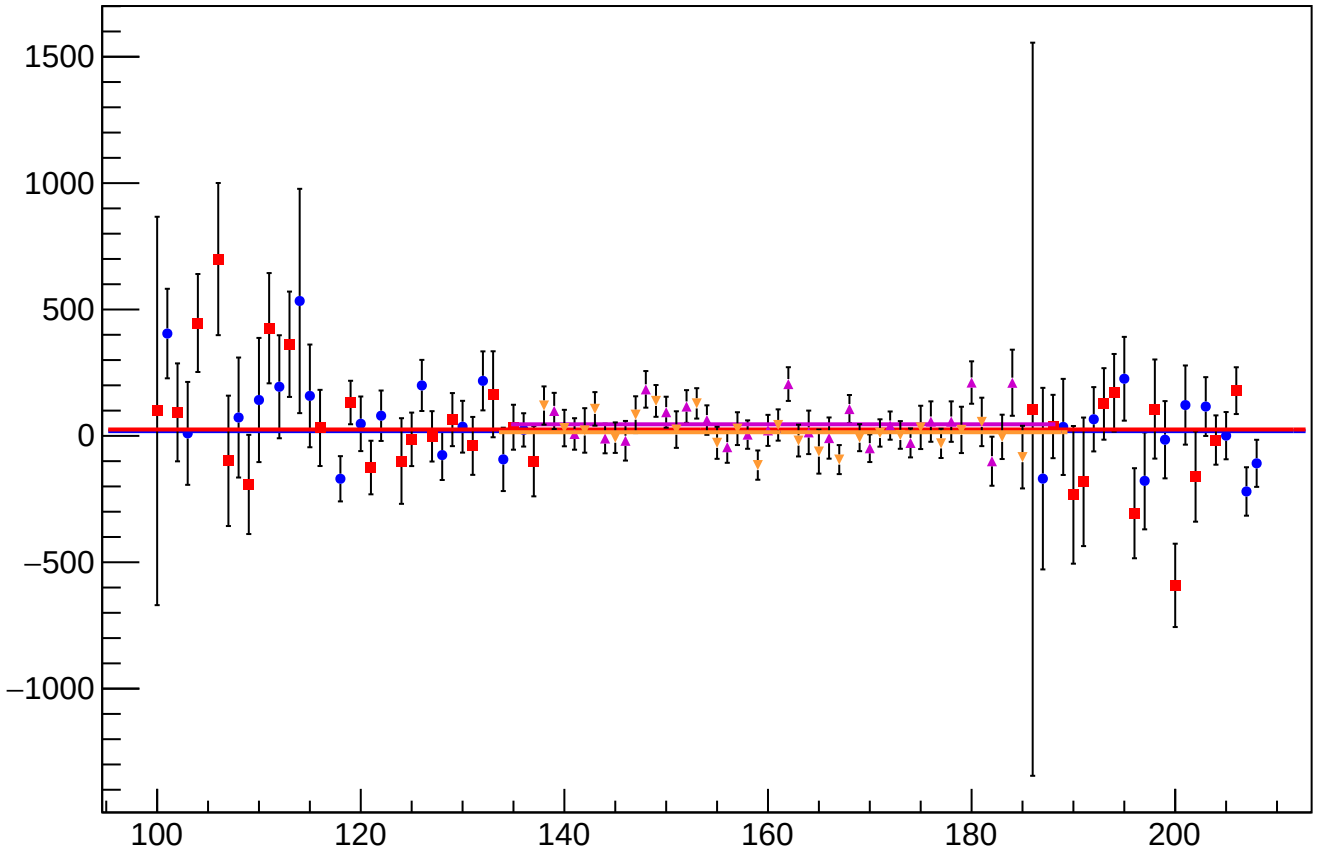
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 715.185+/-0.095 χ^2/NDF: 7044570.0/57

In: 285.401+/-0.039 χ^2/NDF:15523706.1/49

Out: 285.483+/-0.039 χ^2/NDF:17309459.6/55

All: 285.442+/-0.028 χ^2/NDF: 32833167.9/10



Right In: 18.758+/-23.736 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 25.343+/-25.343 χ^2/NDF: 48.2/30

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

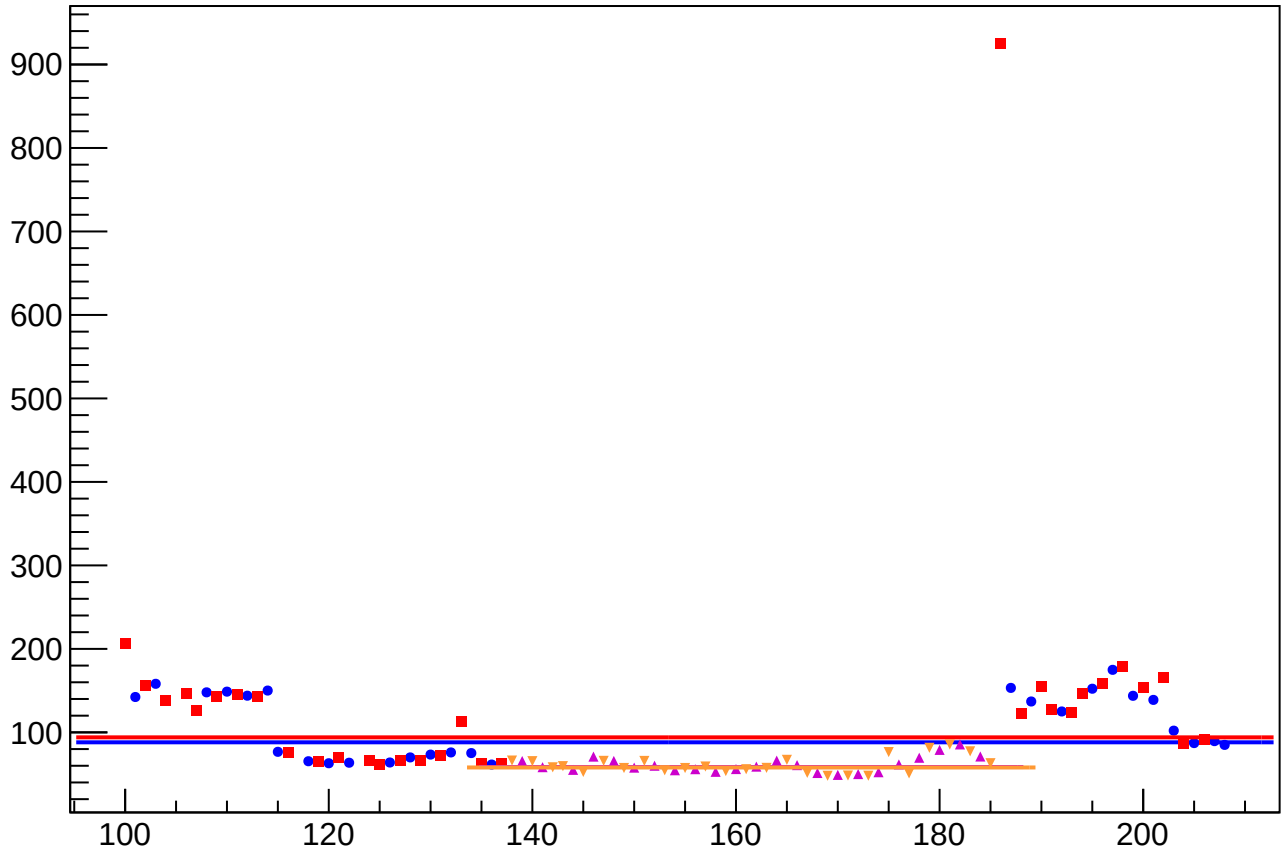
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 21.835+/-17.324 χ^2/NDF: 80.9/57

In: 38.876+/-12.015 χ^2/NDF:64.4/49

Out: 16.882+/-11.883 χ^2/NDF:72.9/55

All: 27.758+/-8.449 χ^2/NDF: 139.0/105



Right In: 88.088+/-0.017 χ^2/NDF: 3402098.6/26

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 94.028+/-0.018 χ^2/NDF: 4561285.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

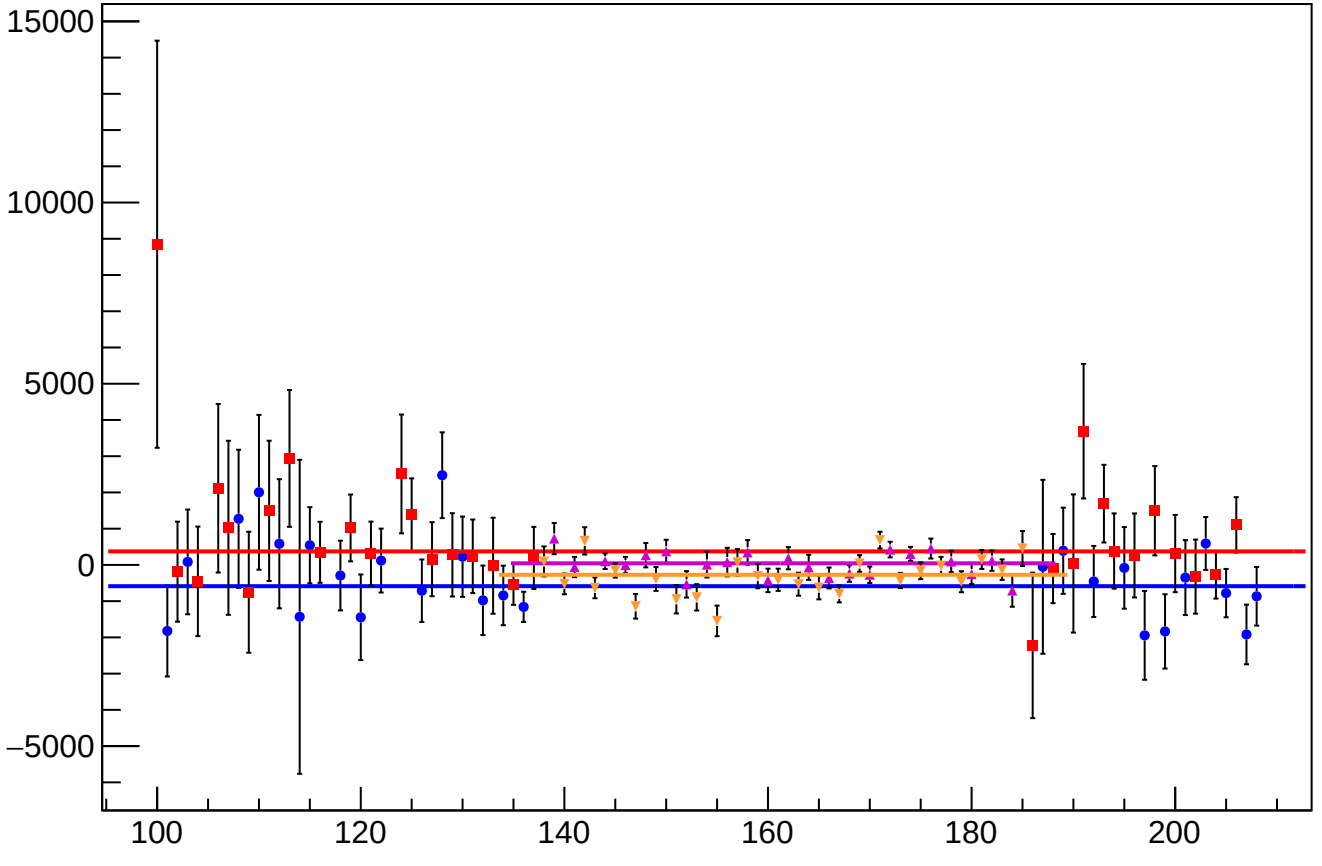
Right: 90.863+/-0.012 χ^2/NDF: 8021918.3/57

In: 66.065+/-0.008 χ^2/NDF:6366605.3/49

Out: 65.894+/-0.008 χ^2/NDF:8617489.2/55

All: 65.979+/-0.006 χ^2/NDF: 14984298.8/105

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -586.940+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 373.174+/-195.492 χ^2/NDF: 21.8/30

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

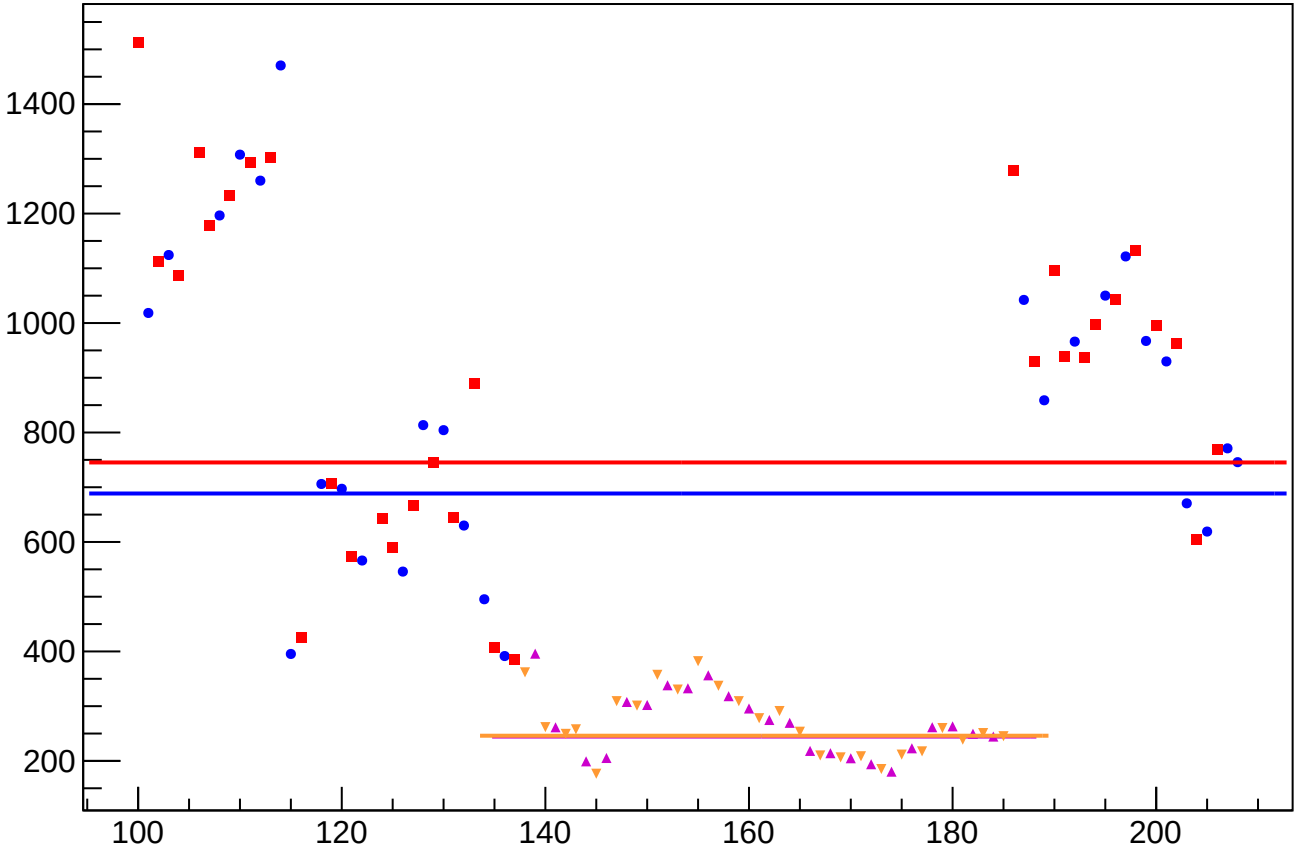
Right: -136.166+/-133.951 χ^2/NDF: 59.6/57

In: -13.678+/-55.846 χ^2/NDF:62.2/49

Out: -221.472+/-54.964 χ^2/NDF:97.6/55

All: -119.230+/-39.174 χ^2/NDF: 166.8/105

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 688.554+/-0.130 χ^2/NDF: 3339651.6/26

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 745.276+/-0.138 χ^2/NDF: 3615557.4/30

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

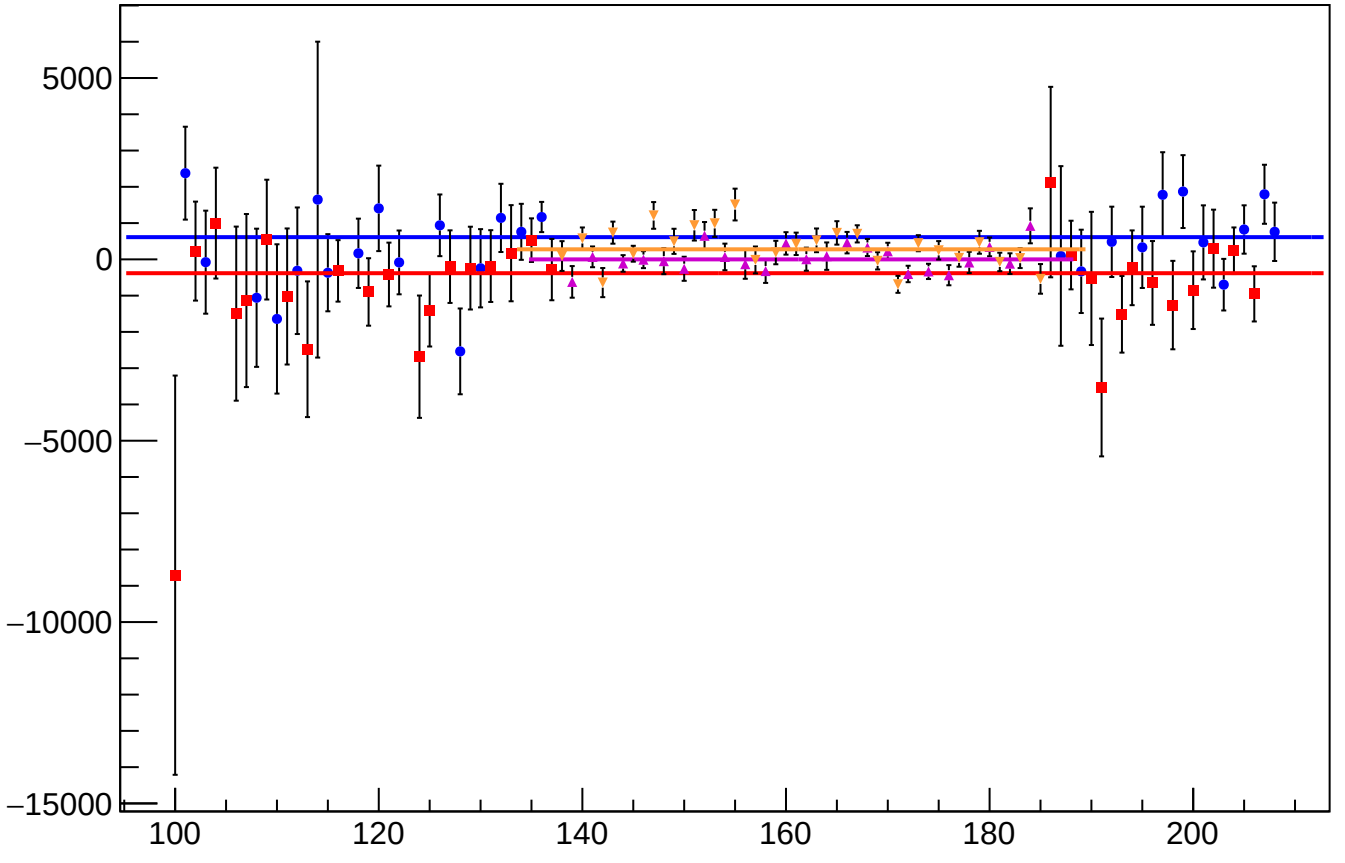
Right: 715.185+/-0.095 χ^2/NDF: 7044534.3/57

In: 285.401+/-0.039 χ^2/NDF:15523694.1/49

Out: 285.482+/-0.039 χ^2/NDF:17309467.7/55

All: 285.442+/-0.028 χ^2/NDF: 32833164.0/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 612.591+/-181.805 χ^2/NDF: 25.6/26

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -381.425+/-196.188 χ^2/NDF: 18.9/30

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

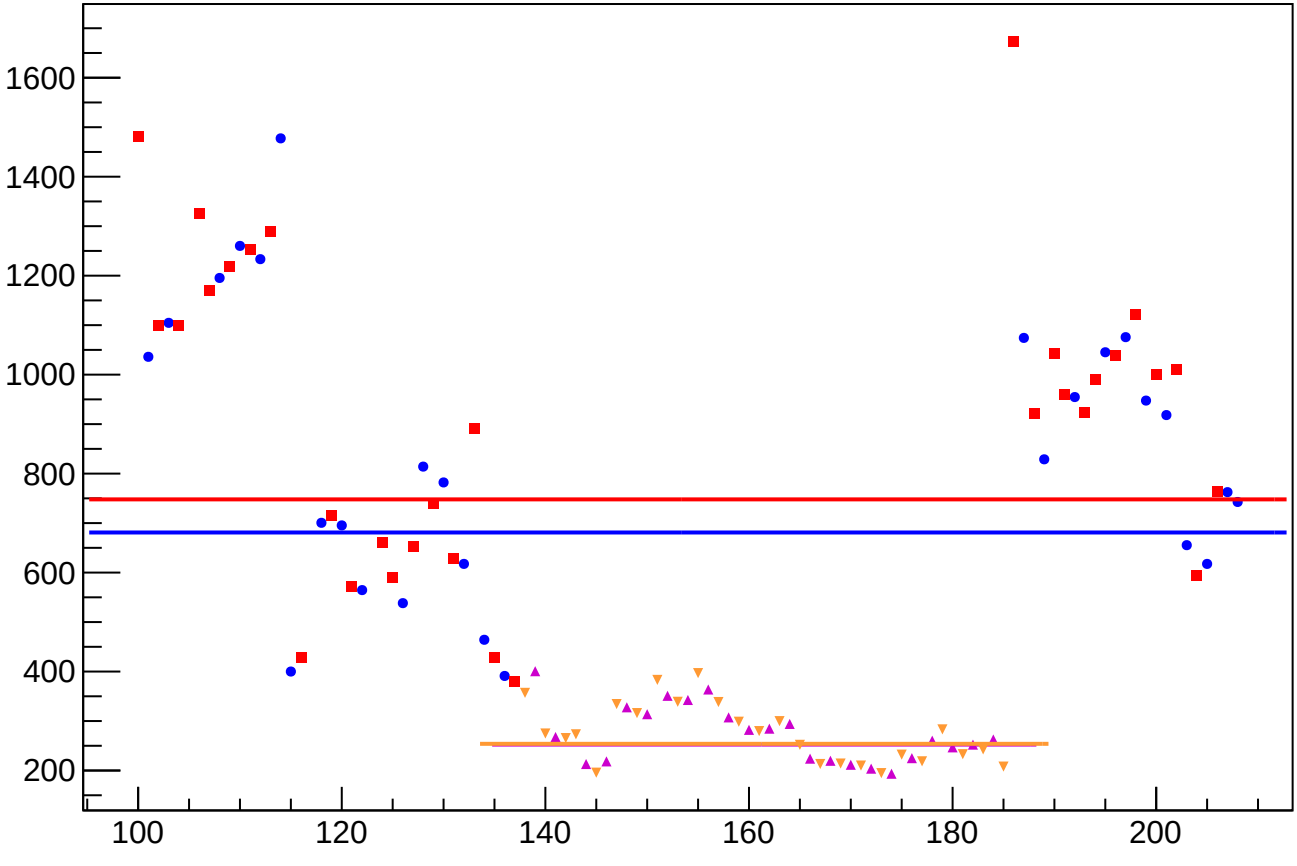
Right: 153.351+/-133.351 χ^2/NDF: 58.3/57

In: 60.312+/-57.282 χ^2/NDF:64.0/49

Out: 222.209+/-56.631 χ^2/NDF:93.3/55

All: 142.186+/-40.272 χ^2/NDF: 161.3/105

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 681.020+/-0.129 χ^2/NDF: 3294835.1/26

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 747.924+/-0.139 χ^2/NDF: 3580473.2/30

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

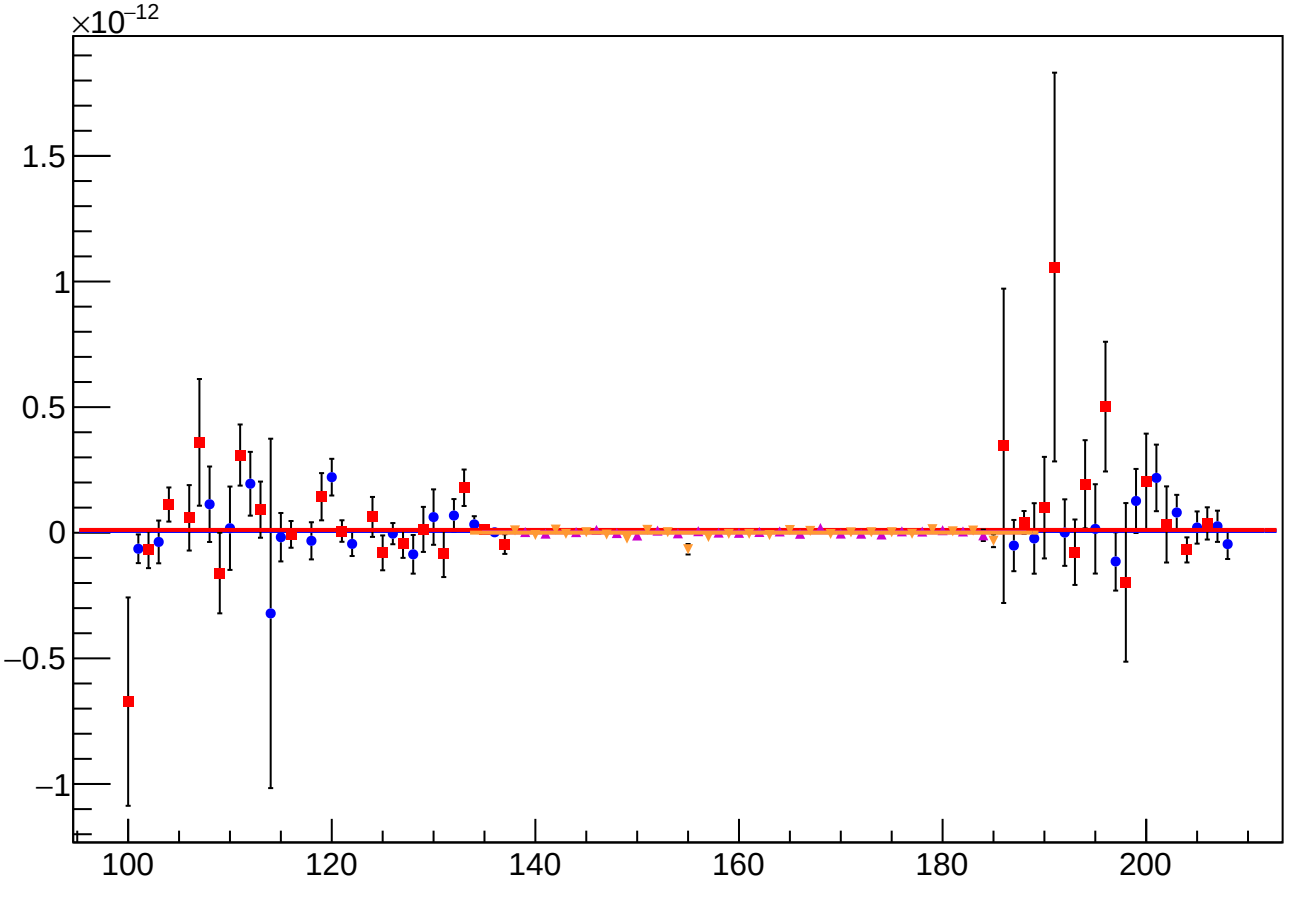
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 711.930+/-0.094 χ^2/NDF: 7000439.5/57

In: 294.941+/-0.041 χ^2/NDF:14720266.5/49

Out: 295.112+/-0.040 χ^2/NDF:16793835.2/55

All: 295.027+/-0.028 χ^2/NDF: 31514110.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.5/30

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

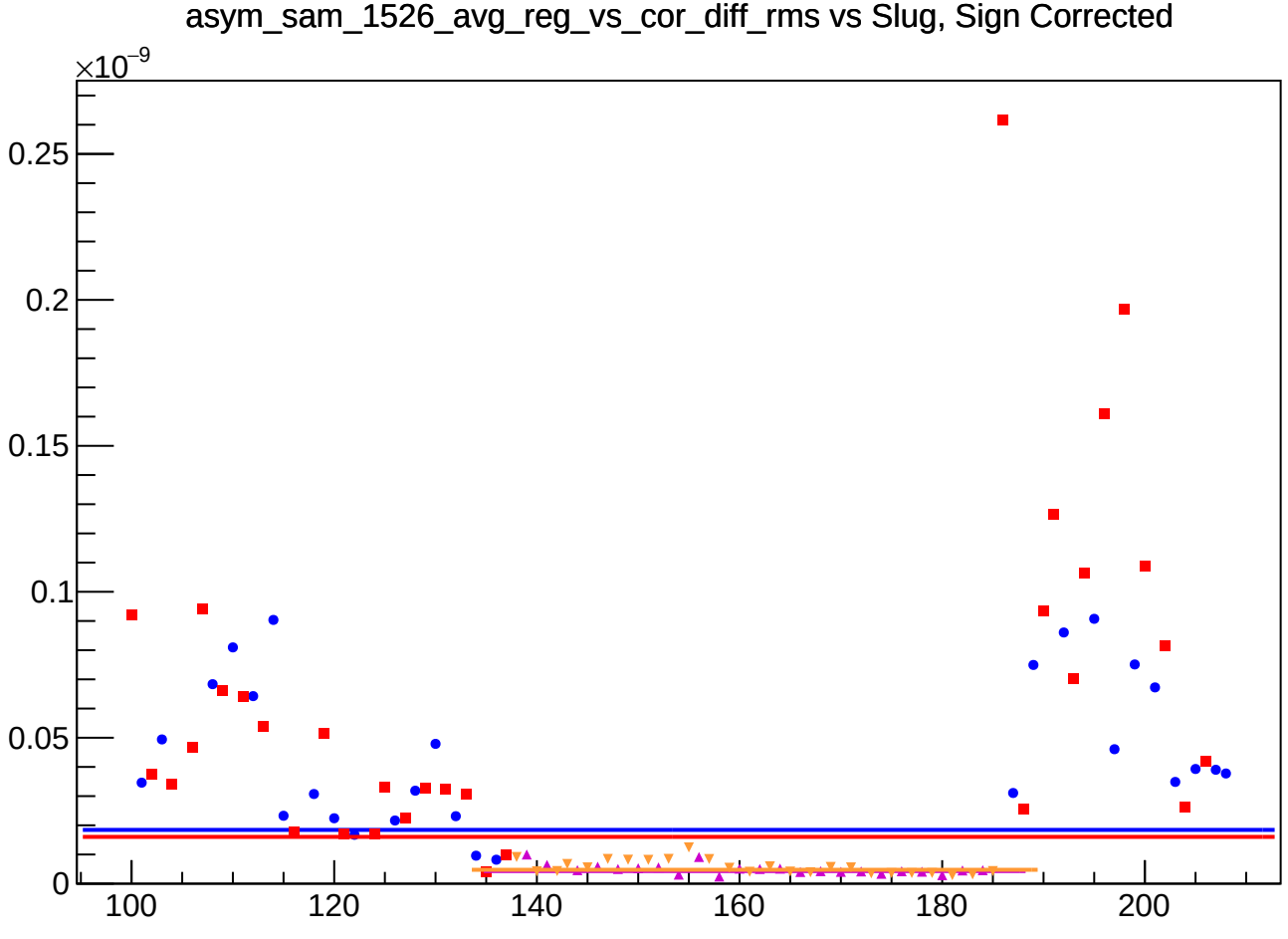
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 66.8/57

In: 0.000+/-0.000 χ^2/NDF:39.4/49

Out: 0.000+/-0.000 χ^2/NDF:69.6/55

All: 0.000+/-0.000 χ^2/NDF: 109.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 5551678.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7868434.0/30

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

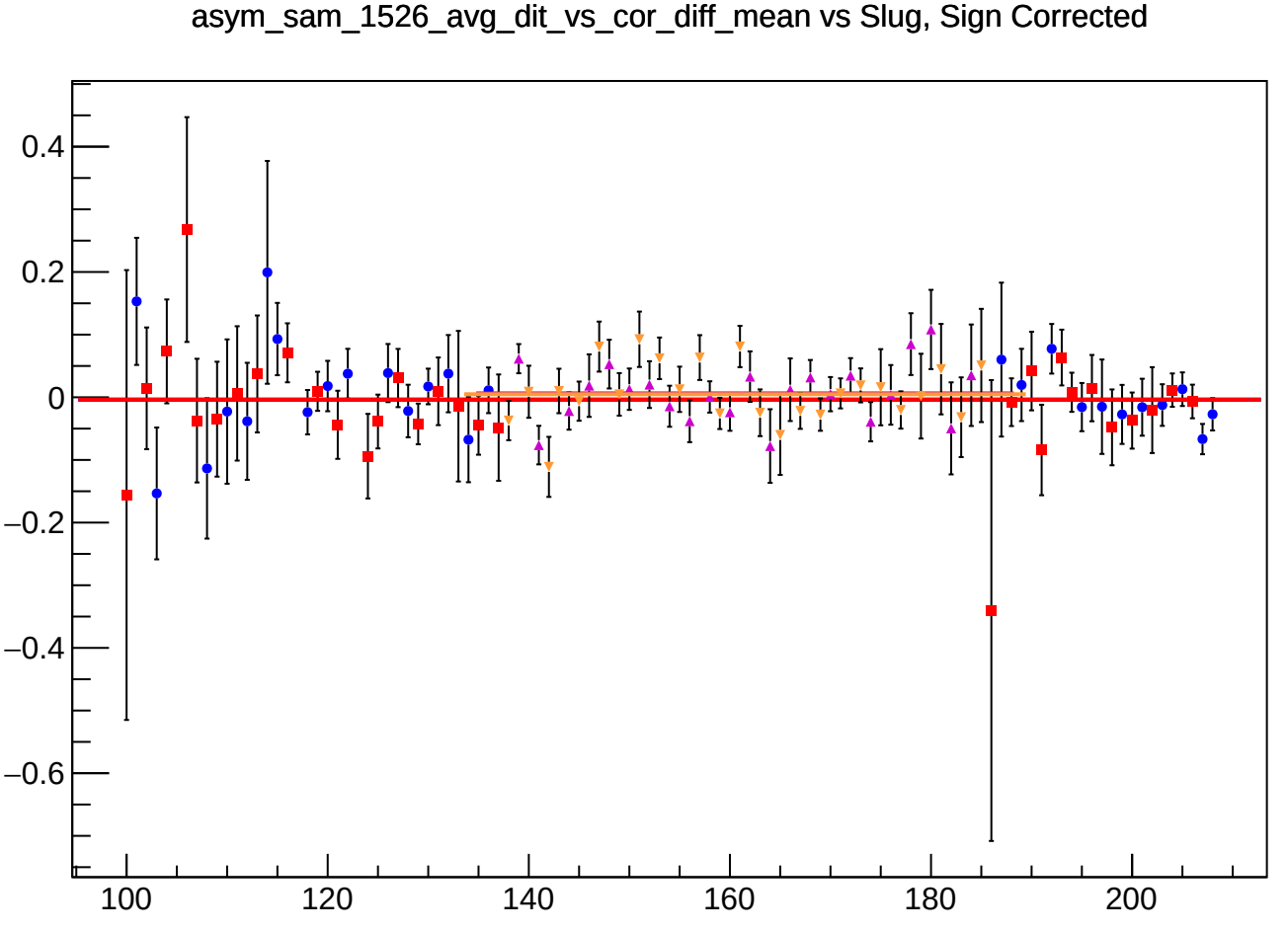
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13479493.1/57

In: 0.000+/-0.000 χ^2/NDF:10548050.0/49

Out: 0.000+/-0.000 χ^2/NDF:12015762.9/55

All: 0.000+/-0.000 χ^2/NDF: 22600911.6/105



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

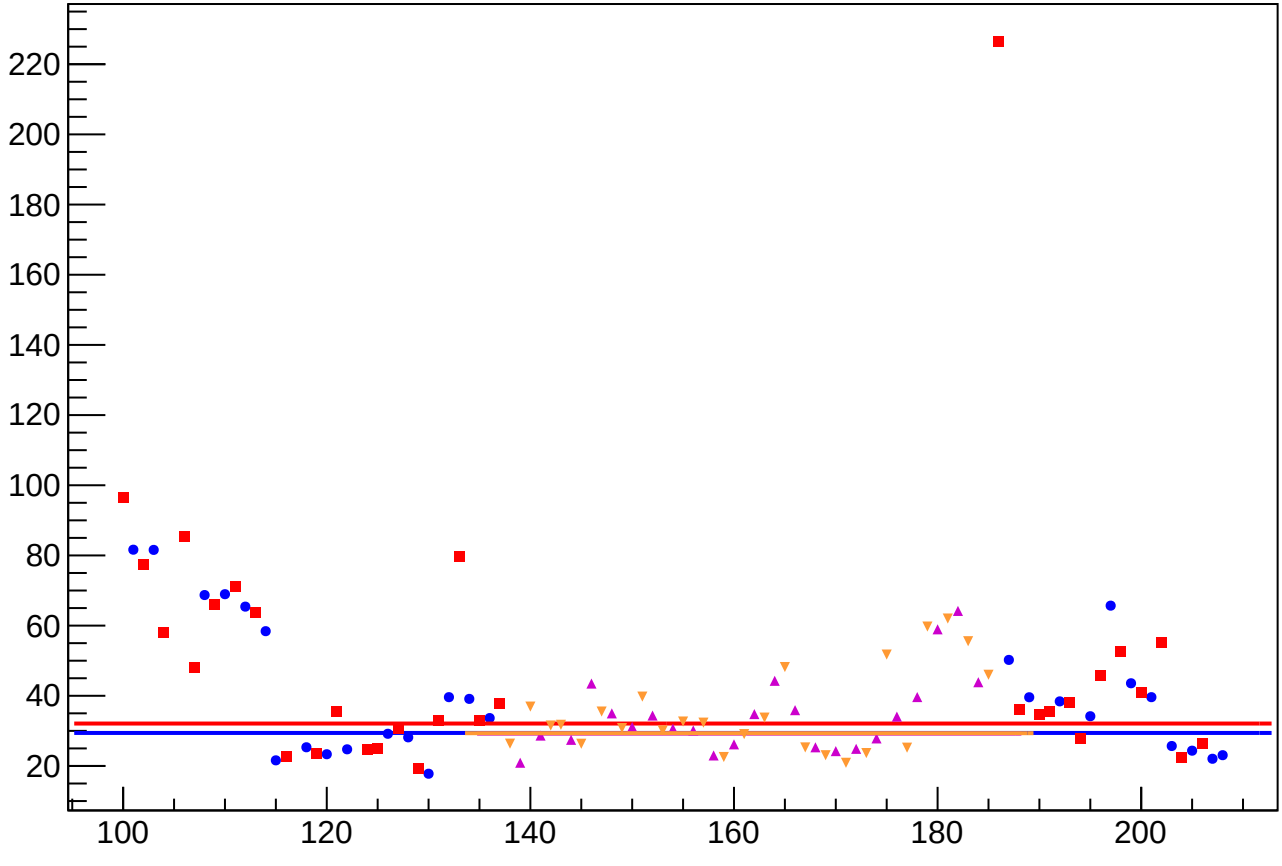
Right: -0.004+/-0.006 χ^2/NDF: 46.8/57

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 113.1/105

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

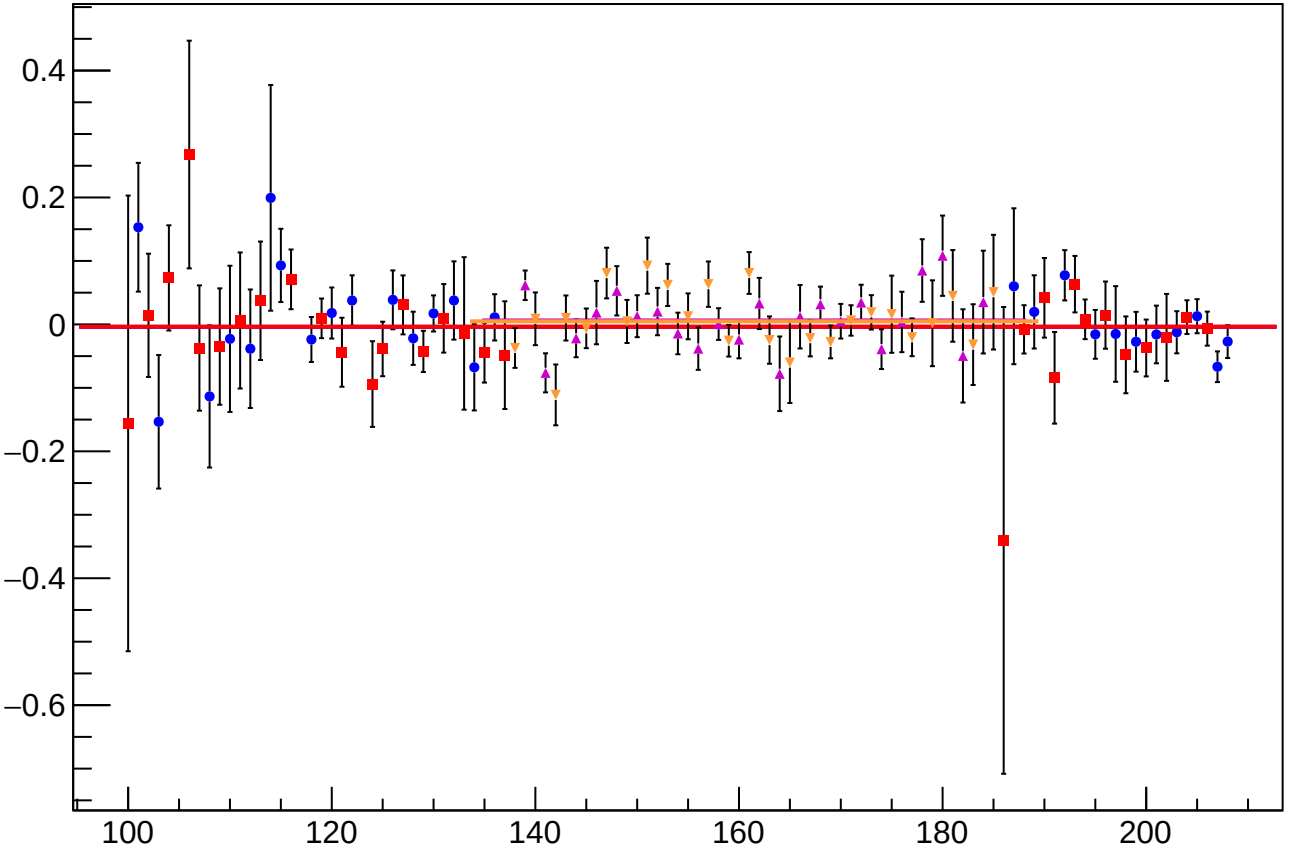
Right: 30.647+/-0.004 χ^2/NDF: 8296990.9/57

In: 29.307+/-0.004 χ^2/NDF:5947311.9/49

Out: 30.404+/-0.004 χ^2/NDF:7154461.7/55

All: 29.845+/-0.003 χ^2/NDF: 13141425.1/105

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

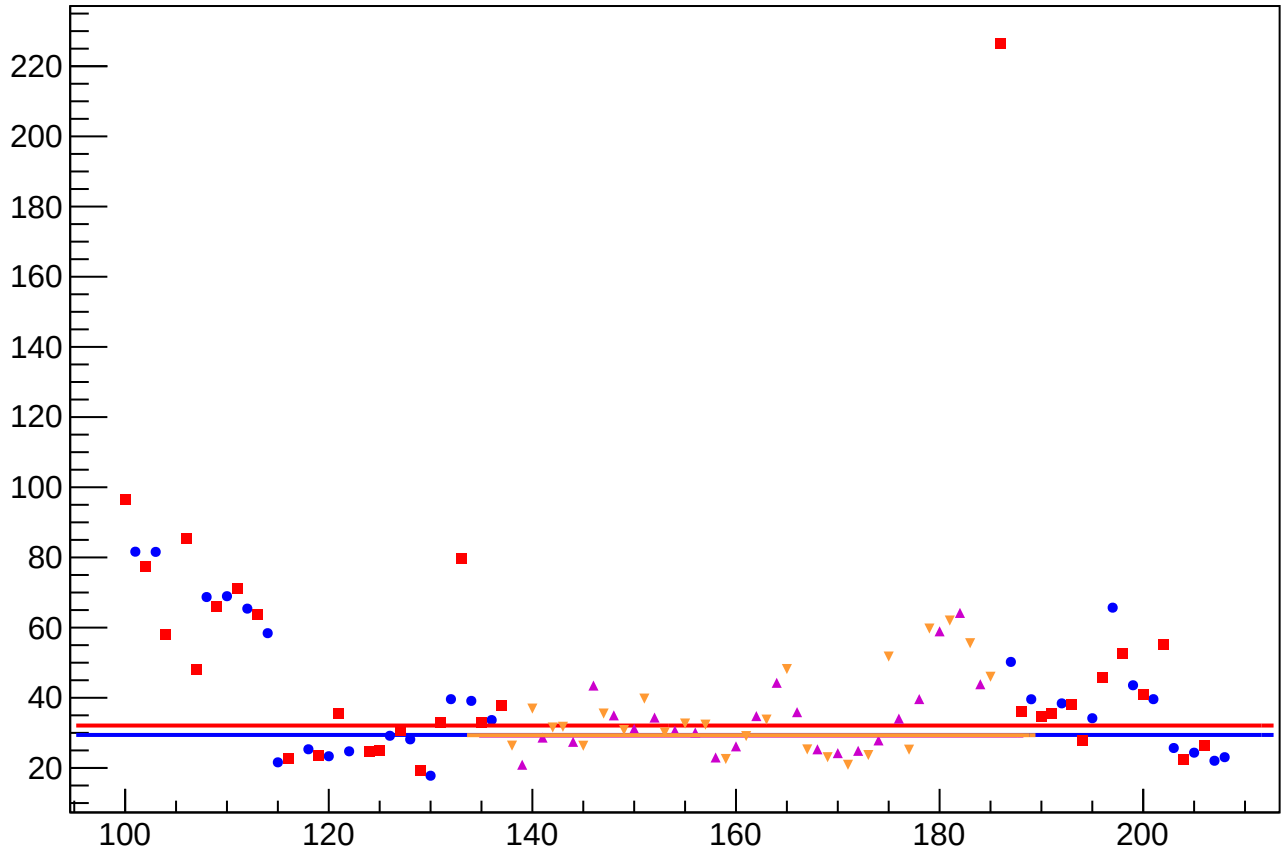
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: -0.004+/-0.006 χ^2/NDF: 46.8/57

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 113.1/105



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

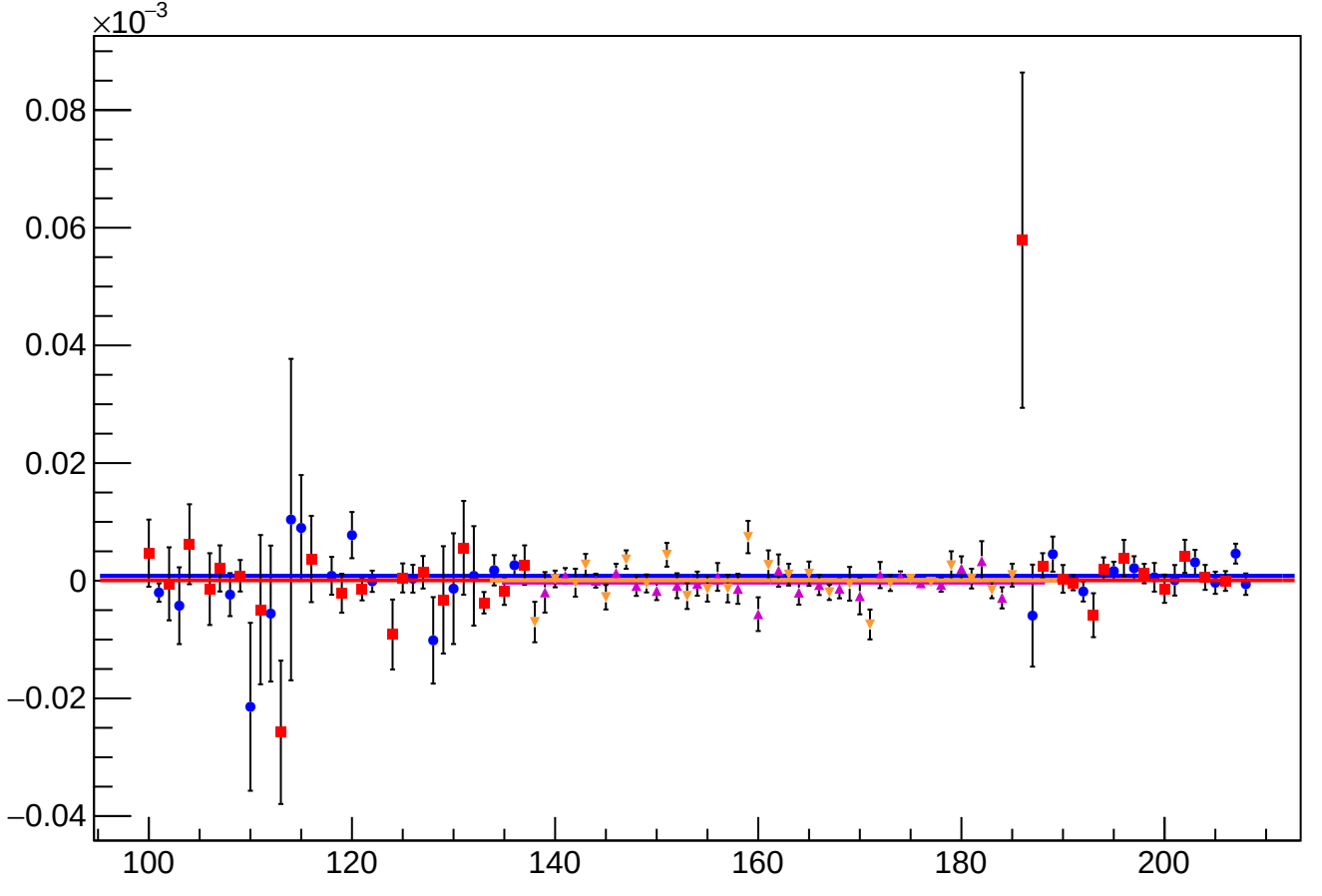
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.647+/-0.004 χ^2/NDF: 8296990.9/57

In: 29.307+/-0.004 χ^2/NDF:5947311.9/49

Out: 30.404+/-0.004 χ^2/NDF:7154461.7/55

All: 29.845+/-0.003 χ^2/NDF: 13141425.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/30

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

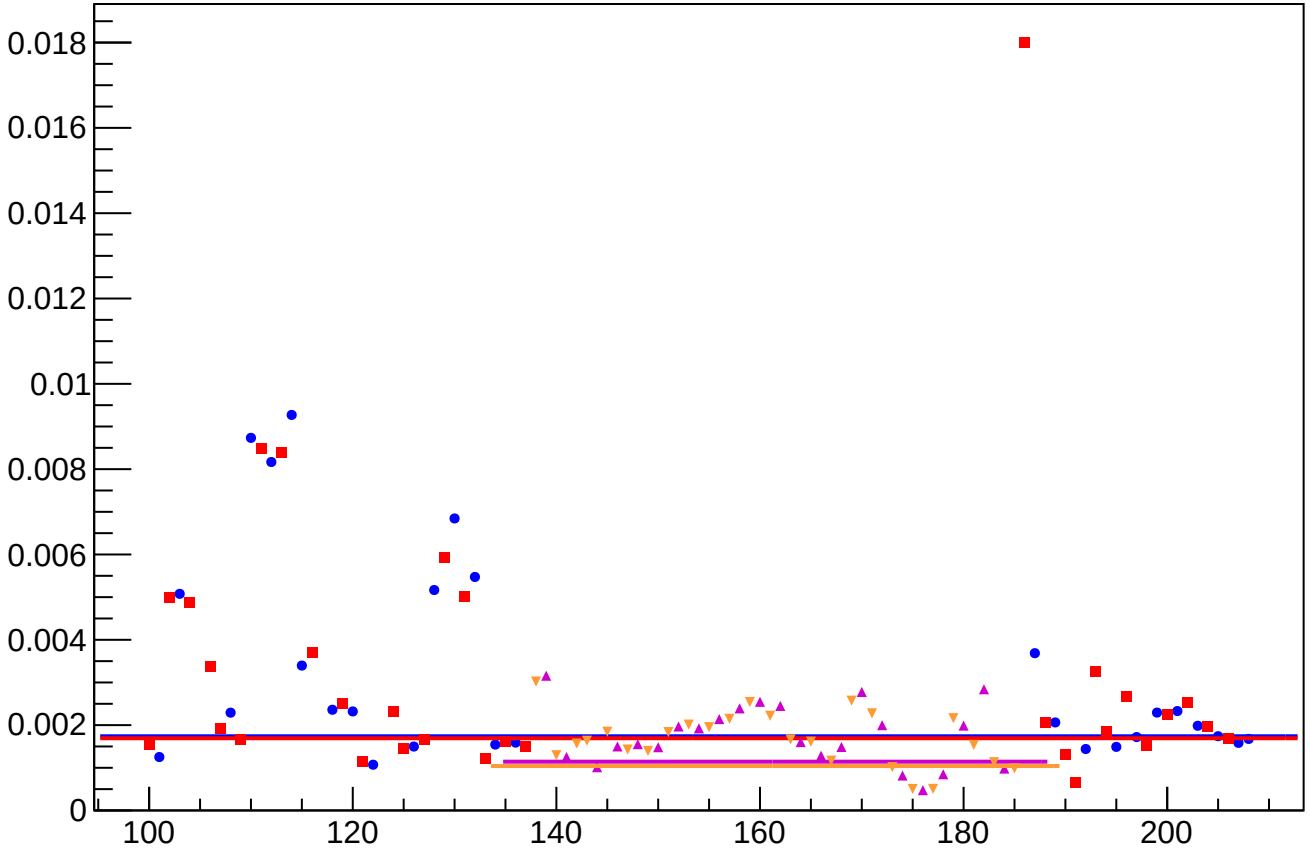
Right: 0.000+/-0.000 χ^2/NDF: 59.5/57

In: 0.000+/-0.000 χ^2/NDF:47.3/49

Out: 0.000+/-0.000 χ^2/NDF:74.2/55

All: 0.000+/-0.000 χ^2/NDF: 121.5/105

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4422062.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6769643.0/30

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

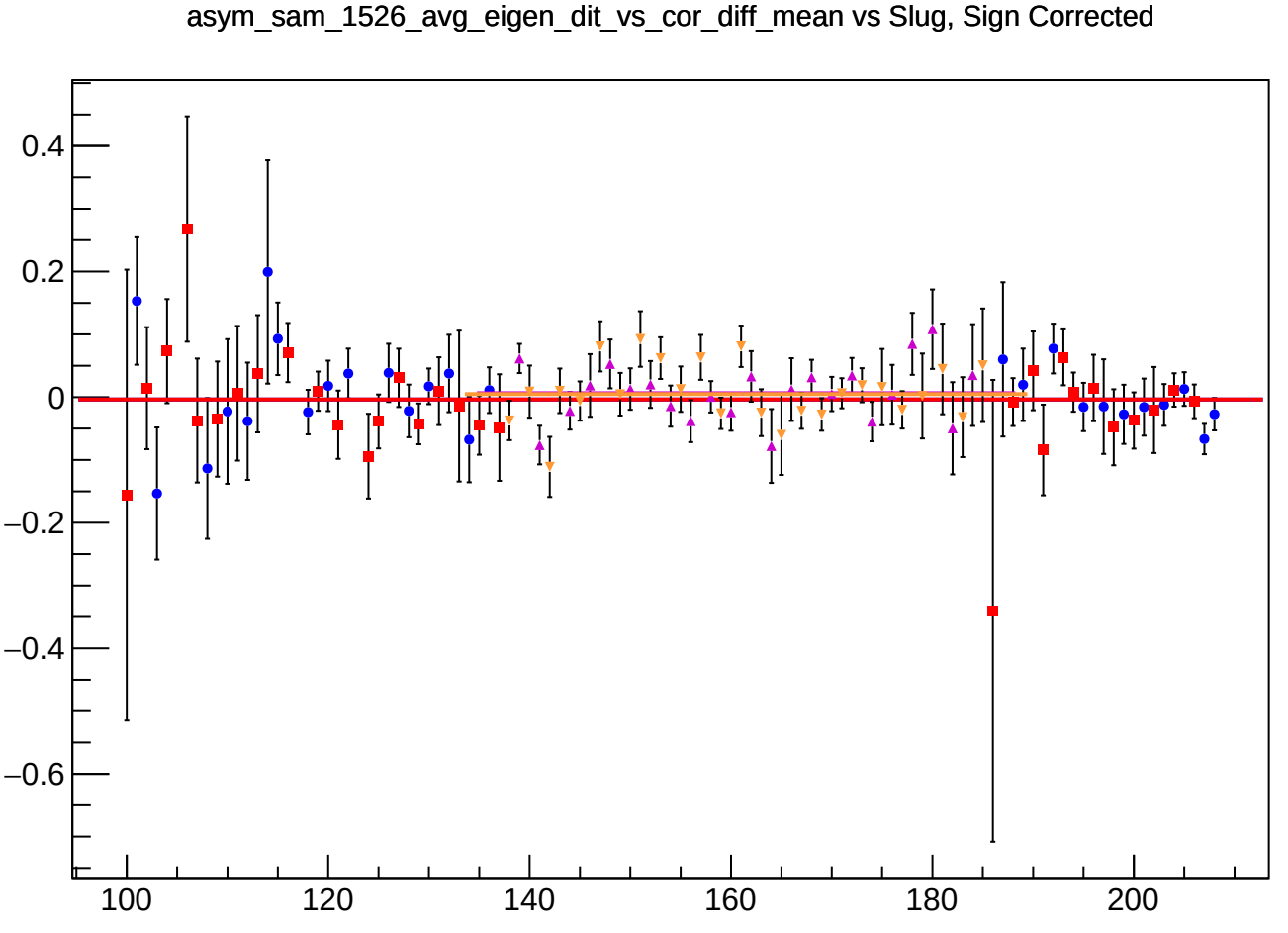
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11200803.4/57

In: 0.001+/-0.000 χ^2/NDF:14867647.2/49

Out: 0.001+/-0.000 χ^2/NDF:19356089.1/55

All: 0.001+/-0.000 χ^2/NDF: 34421978.6/105



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

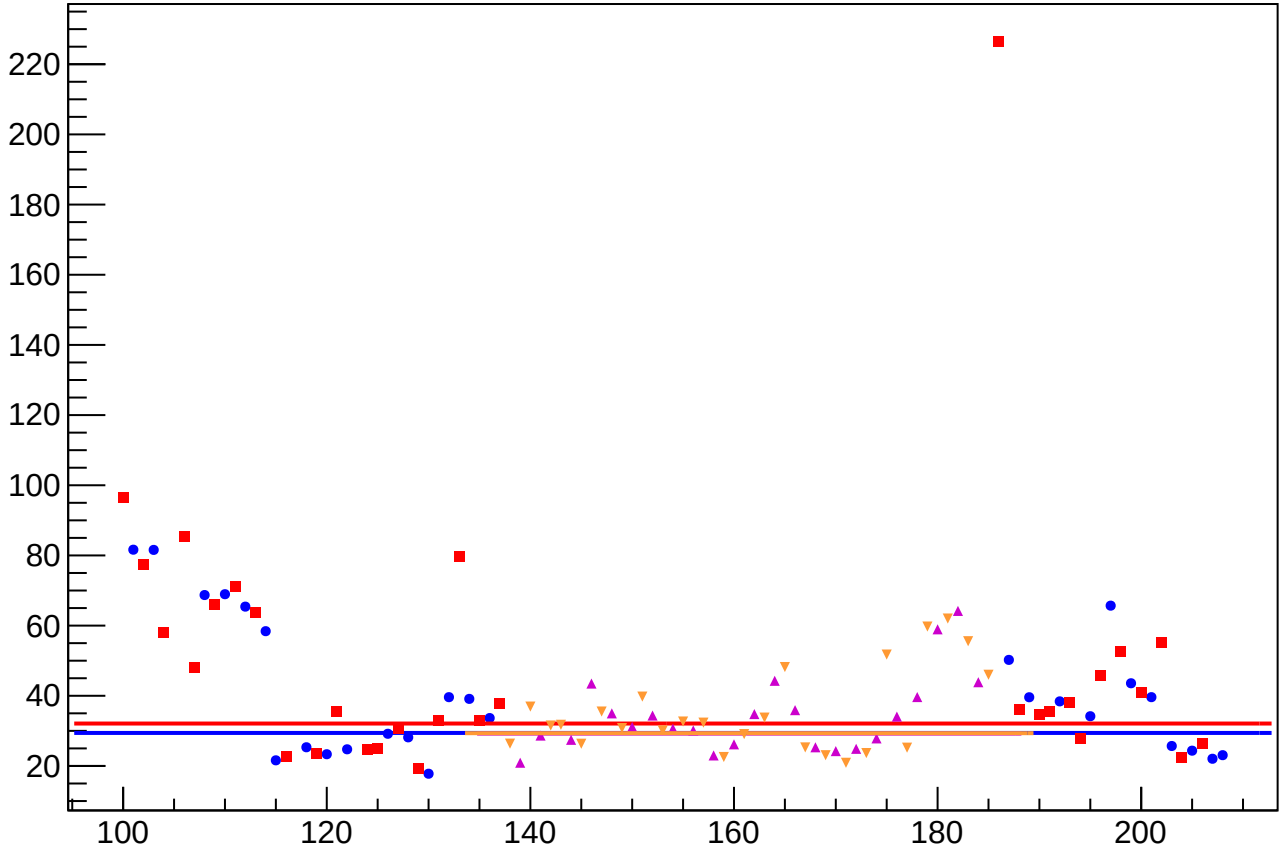
Right: -0.004+/-0.006 χ^2/NDF: 46.8/57

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 113.1/105

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

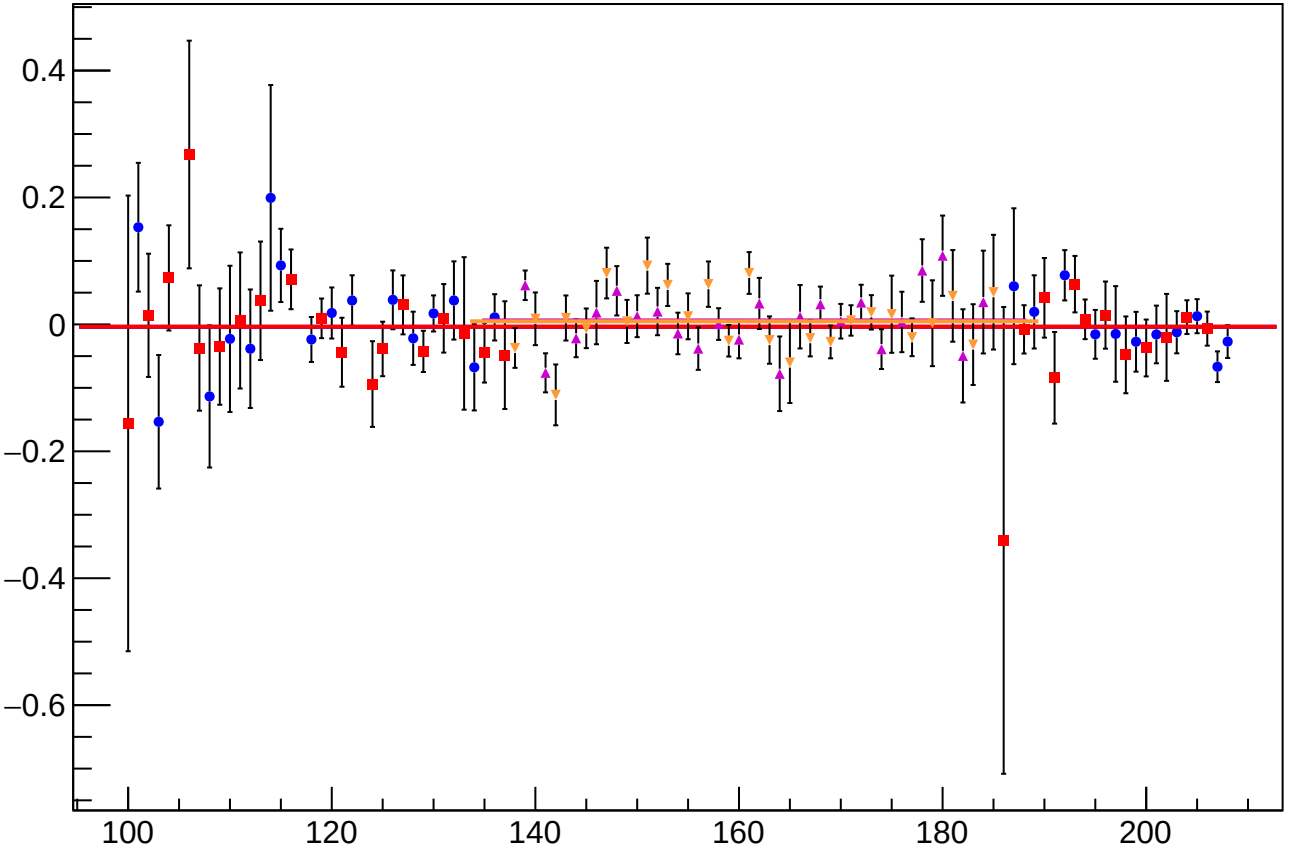
Right: 30.646+/-0.004 χ^2/NDF: 8297415.6/57

In: 29.307+/-0.004 χ^2/NDF:5947503.2/49

Out: 30.404+/-0.004 χ^2/NDF:7154623.7/55

All: 29.845+/-0.003 χ^2/NDF: 13141777.4/105

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

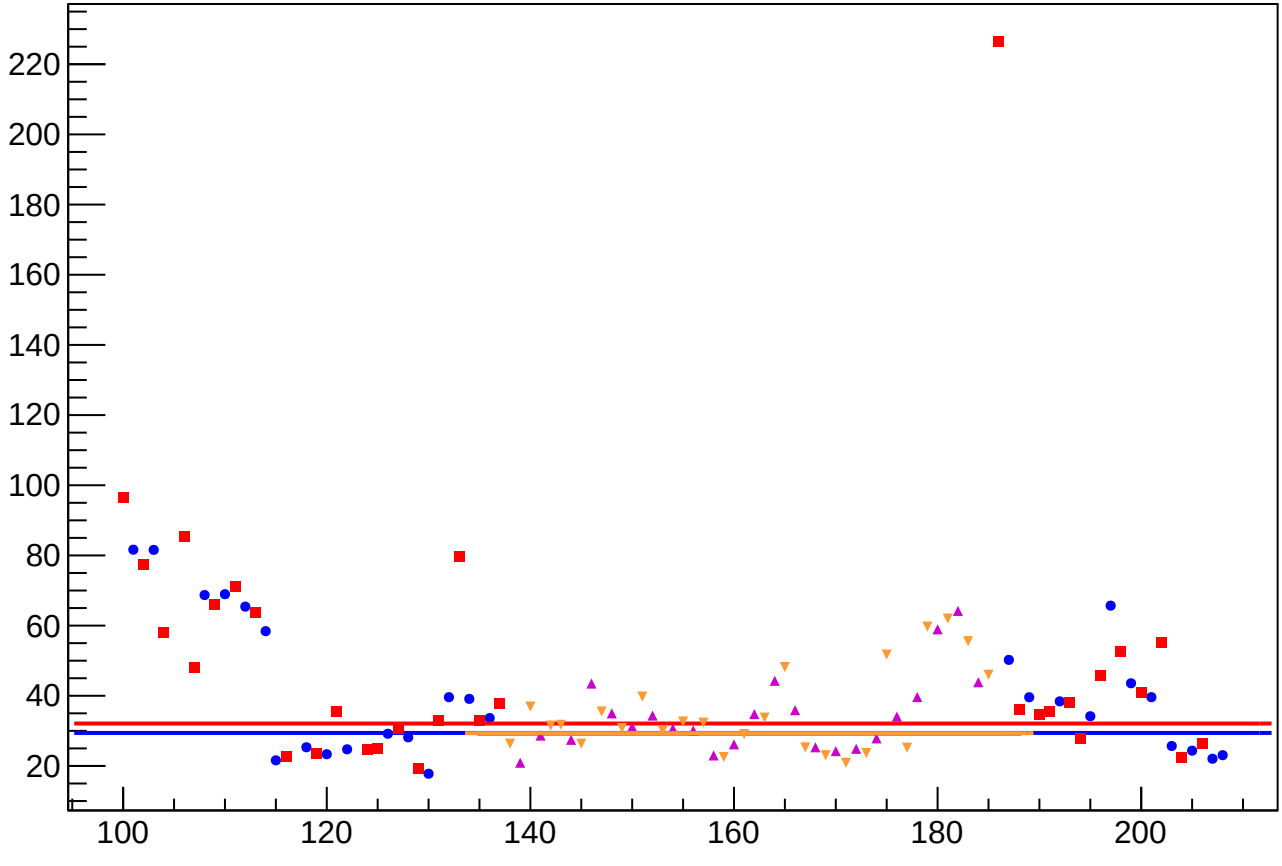
Right: -0.004+/-0.006 χ^2/NDF: 46.8/57

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 113.1/105

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

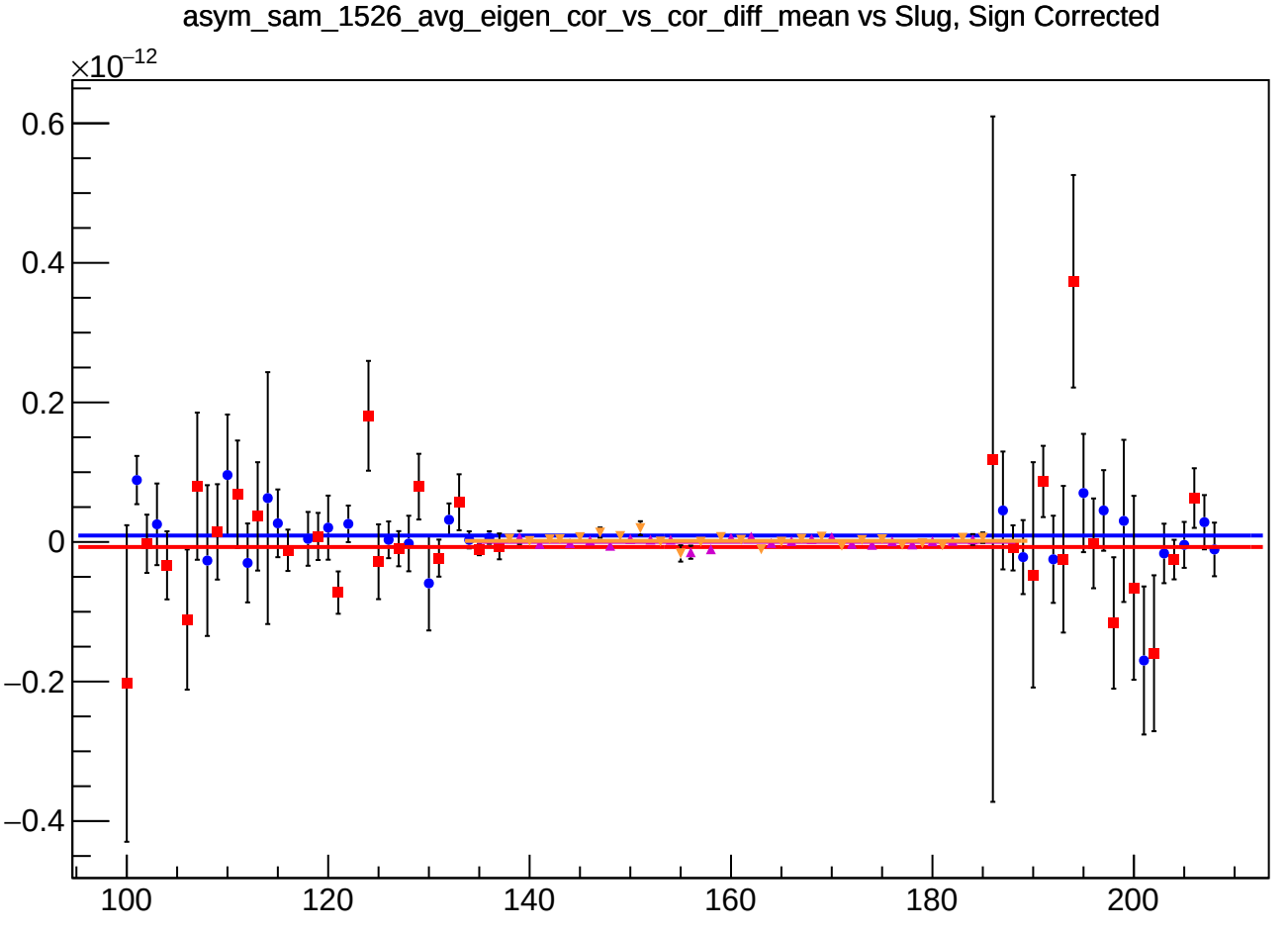
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.646+/-0.004 χ^2/NDF: 8297415.6/57

In: 29.307+/-0.004 χ^2/NDF:5947503.2/49

Out: 30.404+/-0.004 χ^2/NDF:7154623.7/55

All: 29.845+/-0.003 χ^2/NDF: 13141777.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/30

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

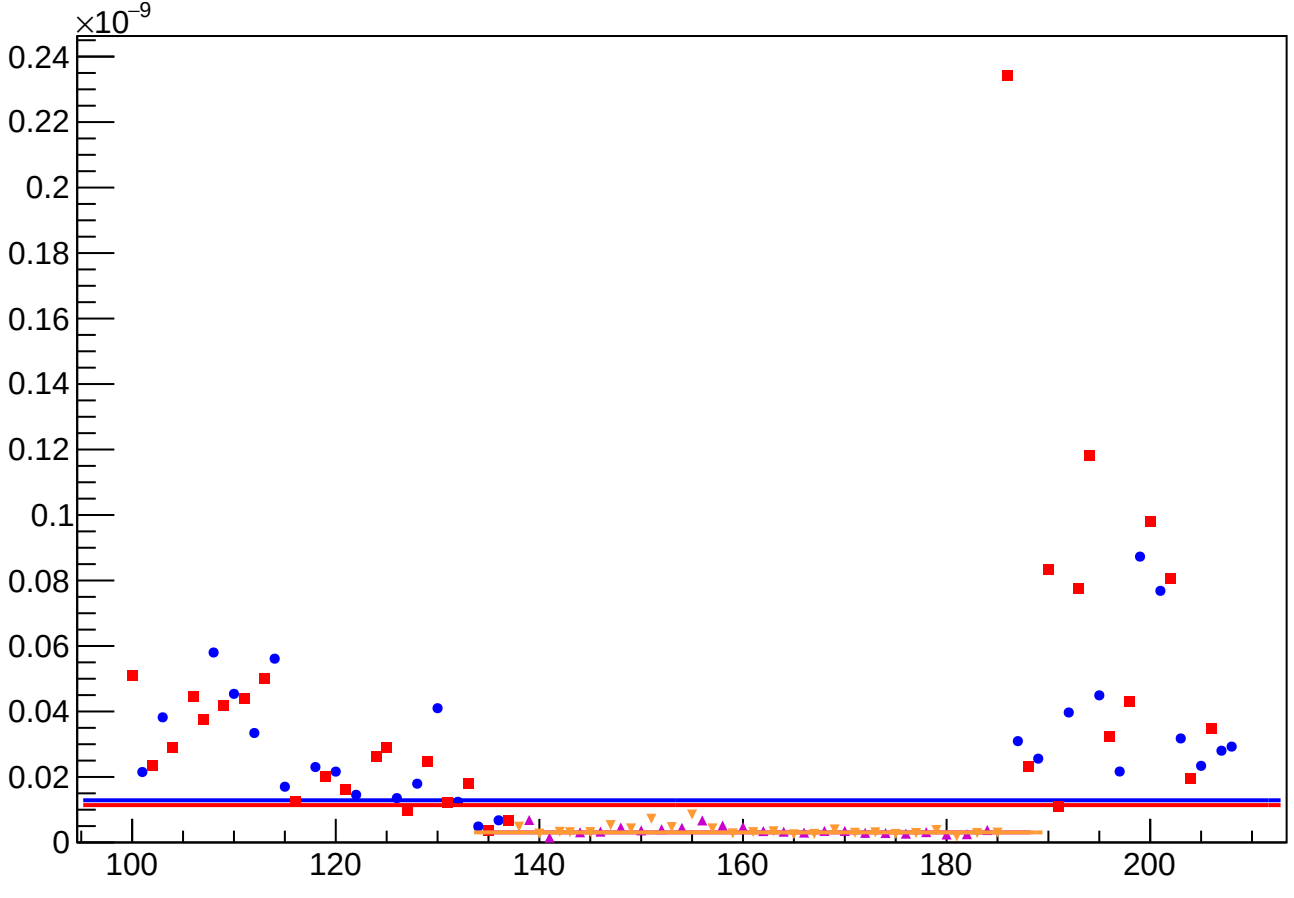
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

Right: 0.000+/-0.000 χ^2/NDF: 57.8/57

In: 0.000+/-0.000 χ^2/NDF:36.8/49

Out: 0.000+/-0.000 χ^2/NDF:75.2/55

All: 0.000+/-0.000 χ^2/NDF: 112.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 7618842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10517128.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

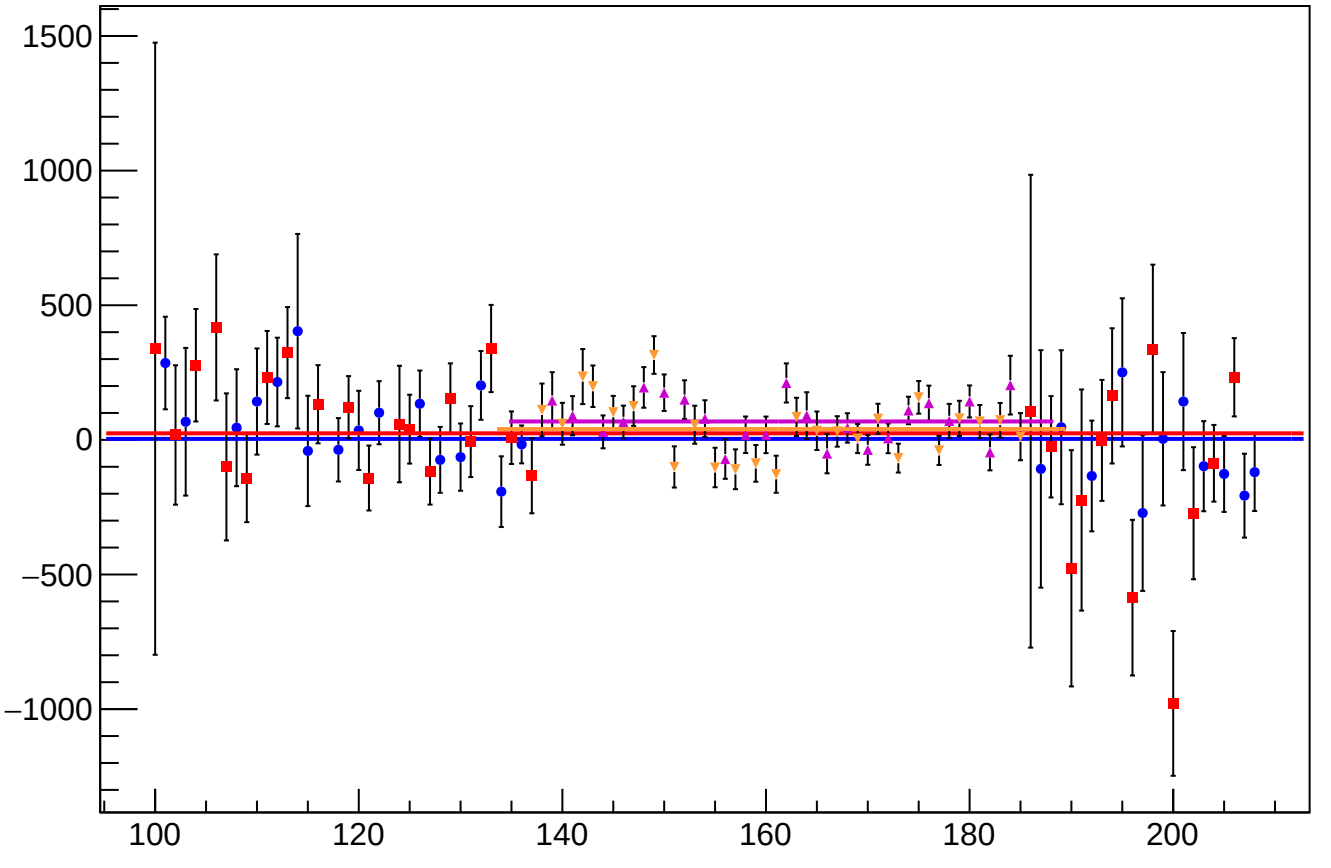
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 18205772.7/57

In: 0.000+/-0.000 χ^2/NDF:15737643.7/49

Out: 0.000+/-0.000 χ^2/NDF:16905234.0/55

All: 0.000+/-0.000 χ^2/NDF: 32646498.0/105



Right In: 3.622+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 24.294+/-30.878 χ^2/NDF: 45.7/30

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

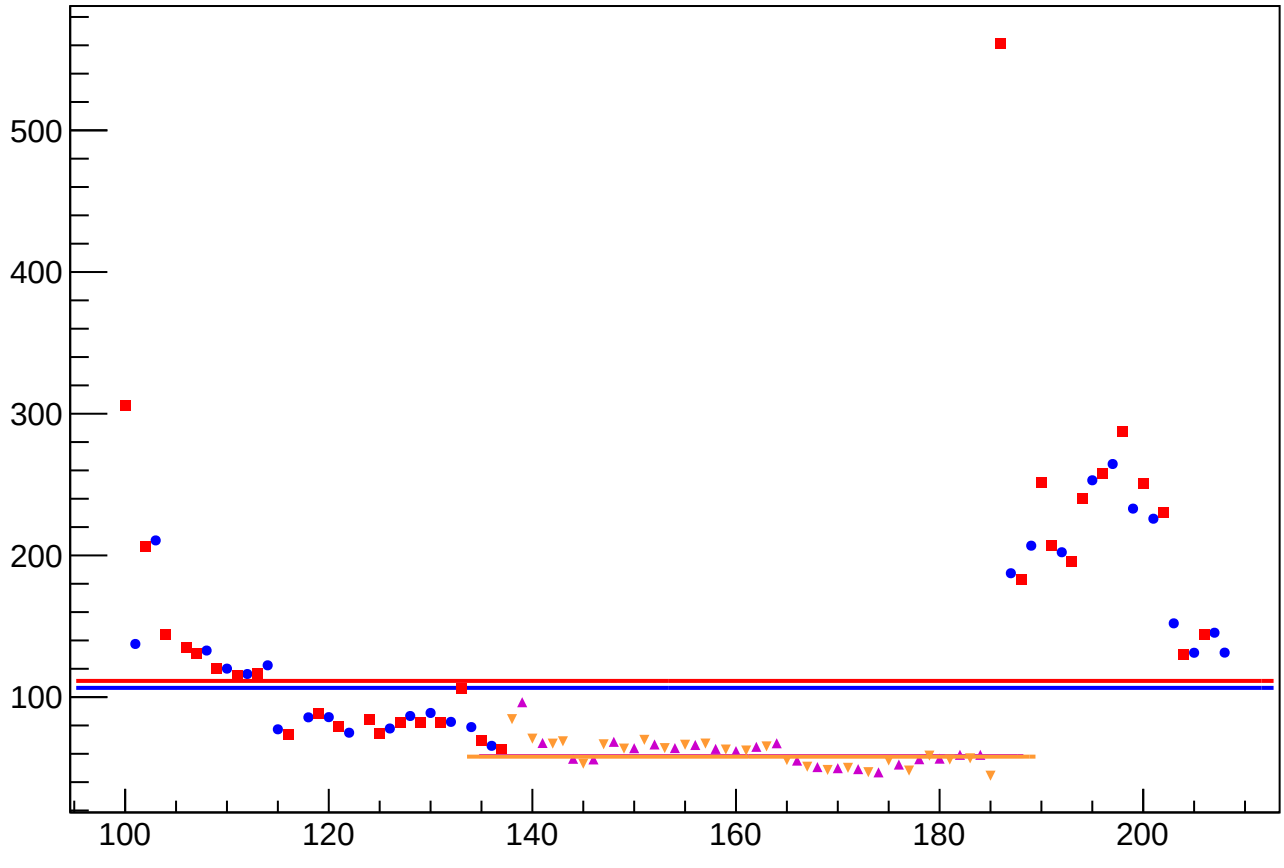
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 13.508+/-21.354 χ^2/NDF: 65.9/57

In: 56.673+/-12.554 χ^2/NDF:55.6/49

Out: 37.798+/-12.294 χ^2/NDF:105.4/55

All: 47.038+/-8.784 χ^2/NDF: 162.1/105



Right In: 106.528+/-0.021 χ^2/NDF: 4992287.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 111.442+/-0.022 χ^2/NDF: 6112586.4/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

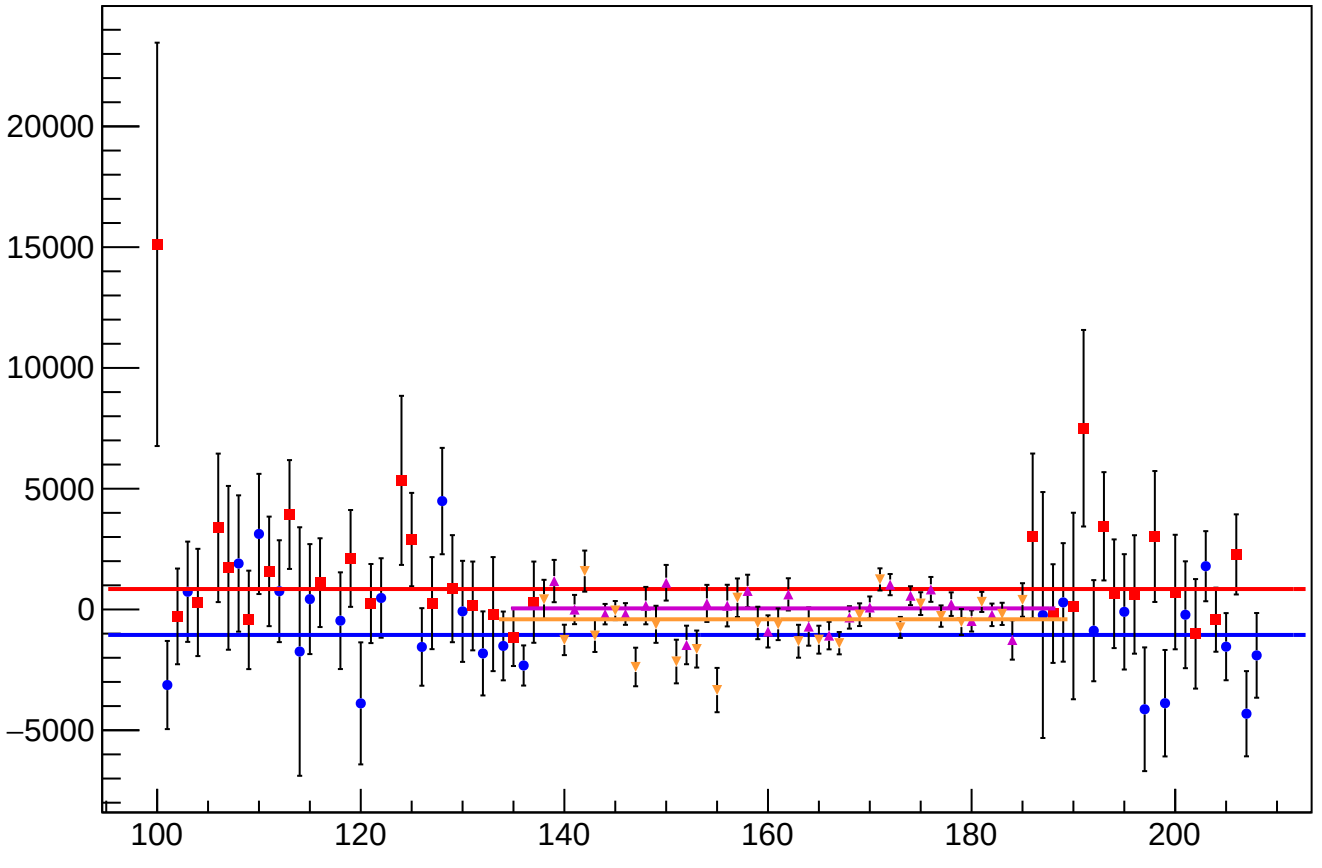
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 108.878+/-0.015 χ^2/NDF: 11131297.9/57

In: 67.076+/-0.009 χ^2/NDF:10072981.1/49

Out: 66.468+/-0.009 χ^2/NDF:11962418.8/55

All: 66.766+/-0.006 χ^2/NDF: 22037796.8/105



Right In: -1054.369+/-354.572 χ^2/NDF: 30.0/26

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 846.286+/-377.313 χ^2/NDF: 20.8/30

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

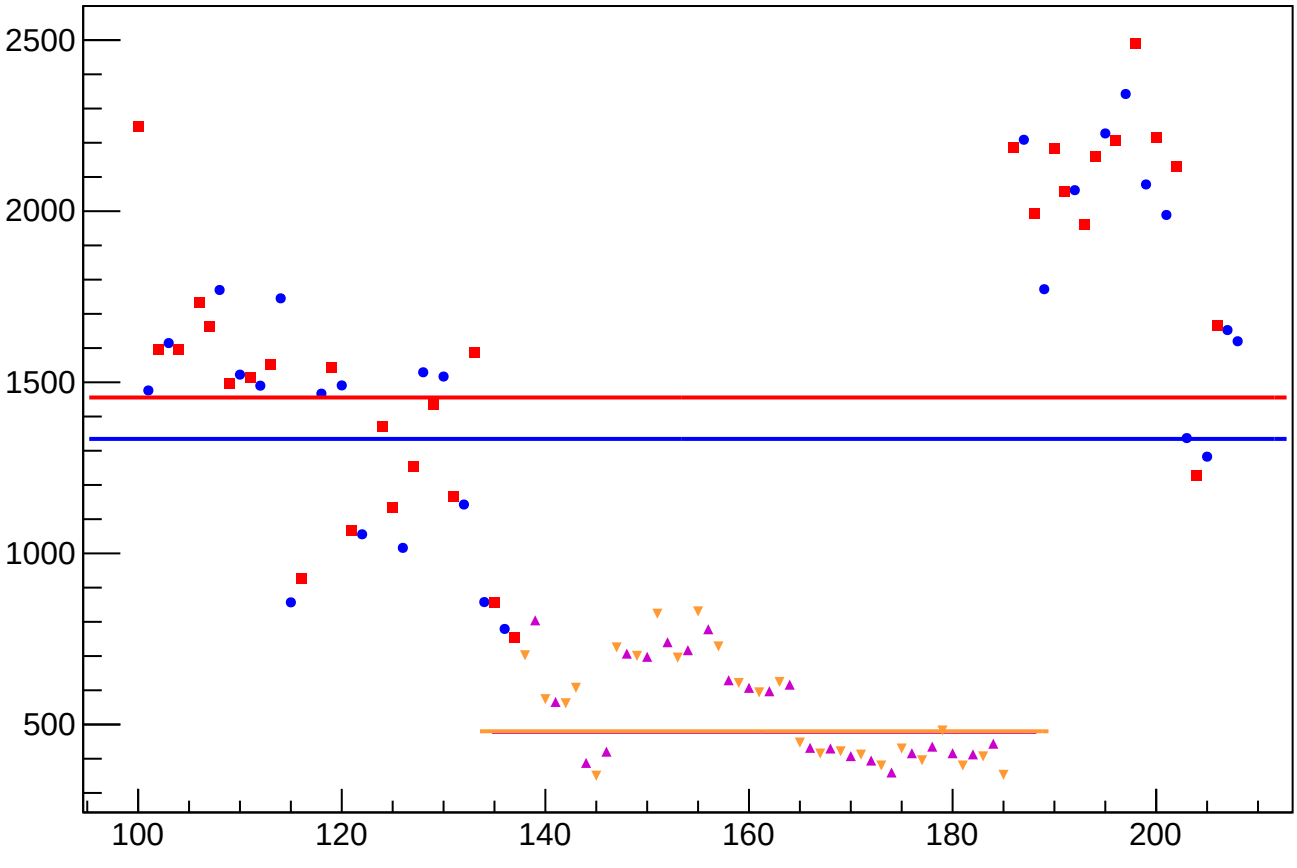
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -163.041+/-258.386 χ^2/NDF: 64.2/57

In: -61.053+/-110.048 χ^2/NDF:69.7/49

Out: -302.436+/-108.660 χ^2/NDF:94.1/55

All: -183.276+/-77.320 χ^2/NDF: 166.2/105



Right In: 1334.578+/-0.251 χ^2/NDF: 3019944.4/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1455.621+/-0.267 χ^2/NDF: 2923641.1/30

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

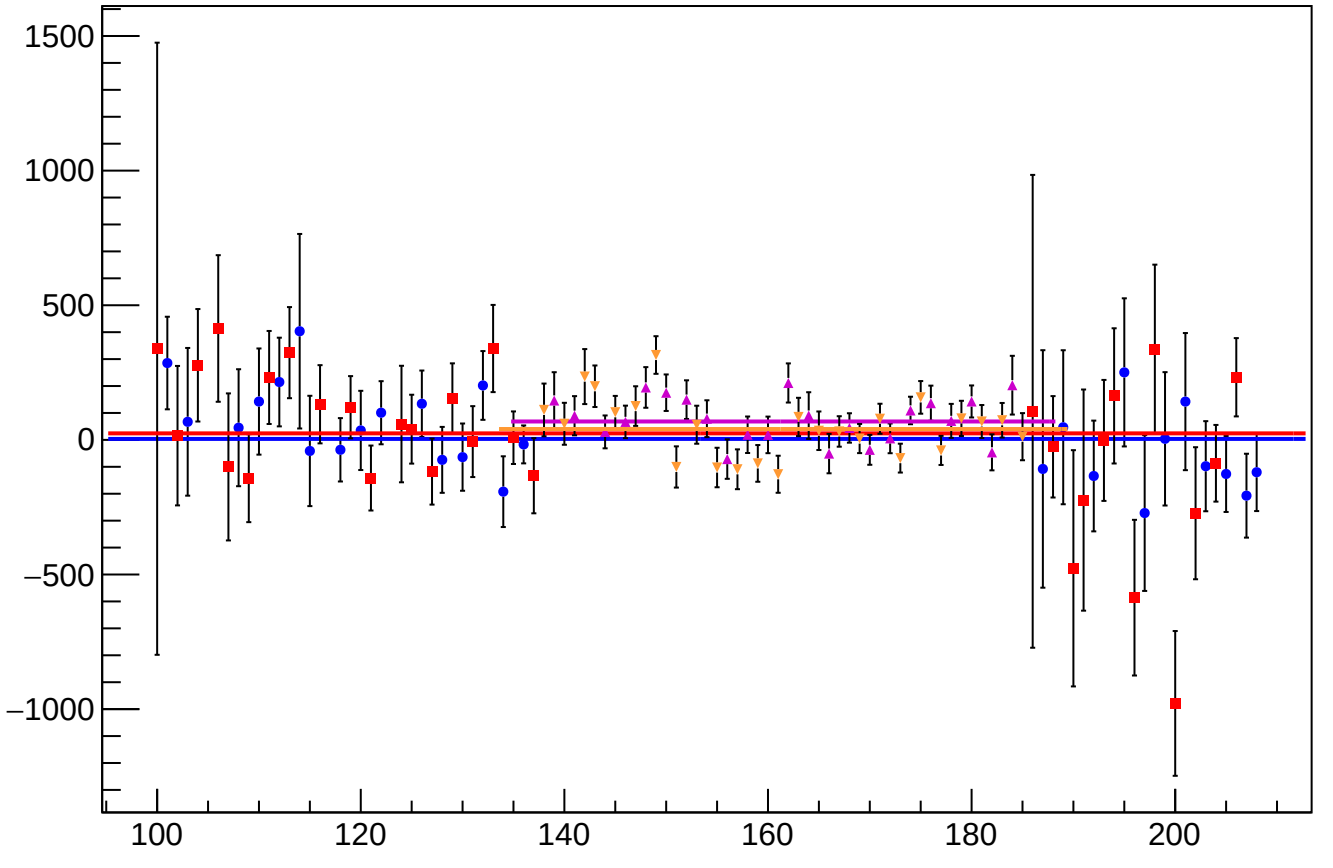
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1391.342+/-0.183 χ^2/NDF: 6052890.0/57

In: 560.588+/-0.078 χ^2/NDF:15781266.4/49

Out: 561.062+/-0.077 χ^2/NDF:17764550.4/55

All: 560.828+/-0.055 χ^2/NDF: 33545835.5/10



Right In: 3.611+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 24.176+/-30.879 χ^2/NDF: 45.7/30

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

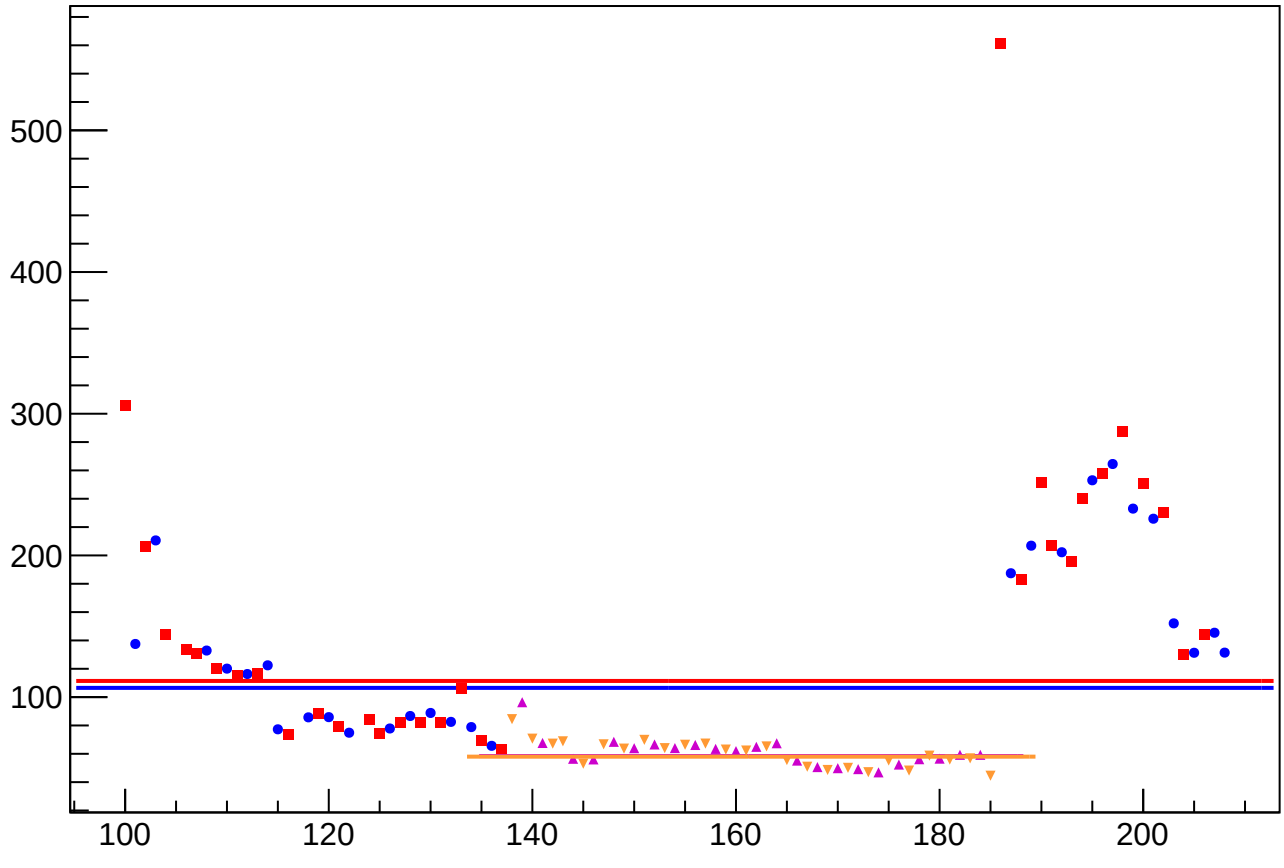
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 13.446+/-21.354 χ^2/NDF: 65.8/57

In: 56.670+/-12.554 χ^2/NDF:55.6/49

Out: 37.781+/-12.294 χ^2/NDF:105.3/55

All: 47.028+/-8.784 χ^2/NDF: 162.1/105



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

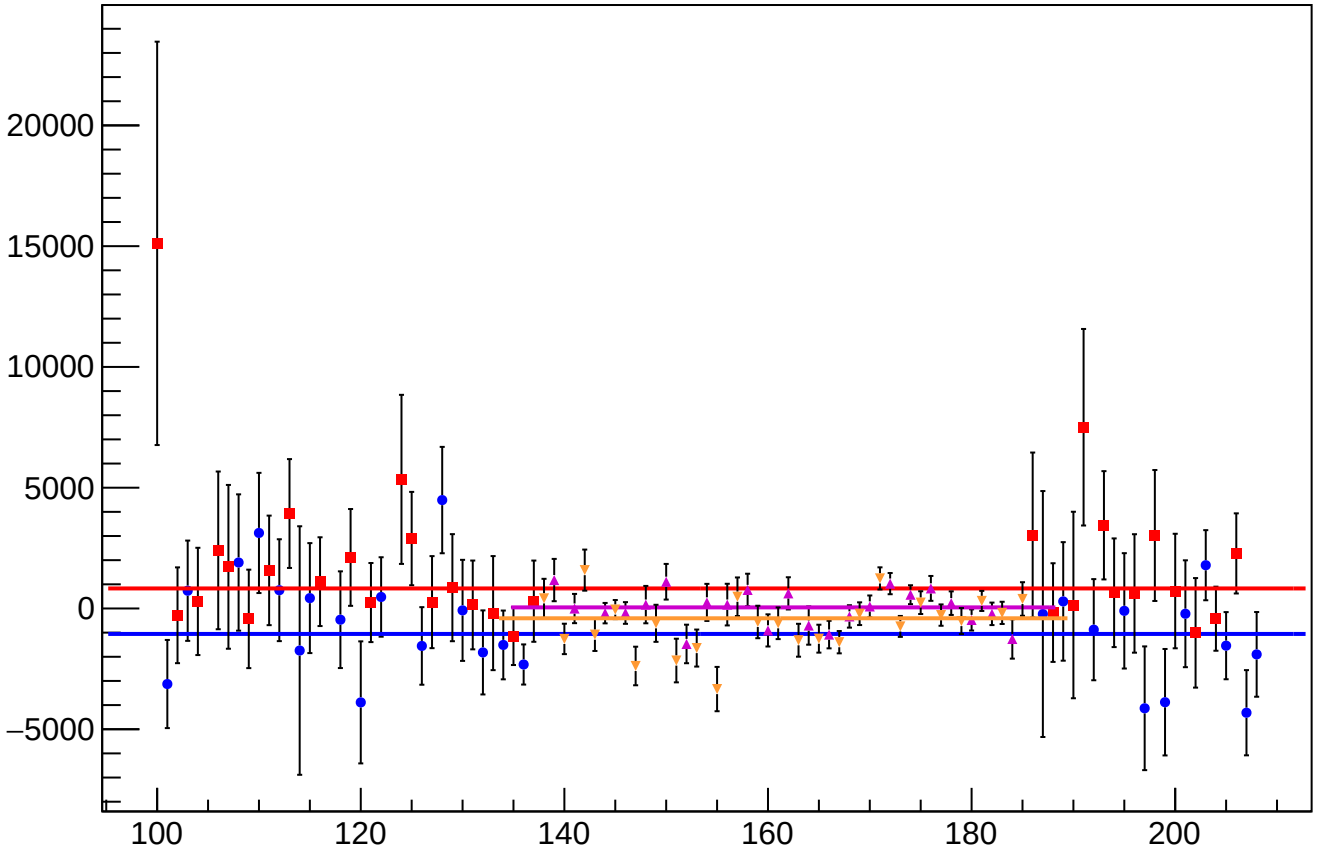
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 108.865+/-0.015 χ^2/NDF: 11128824.2/57

In: 67.076+/-0.009 χ^2/NDF:10072983.5/49

Out: 66.463+/-0.009 χ^2/NDF:11954721.8/55

All: 66.763+/-0.006 χ^2/NDF: 22030141.5/105



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 829.189+/-377.647 χ^2/NDF: 20.3/30

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

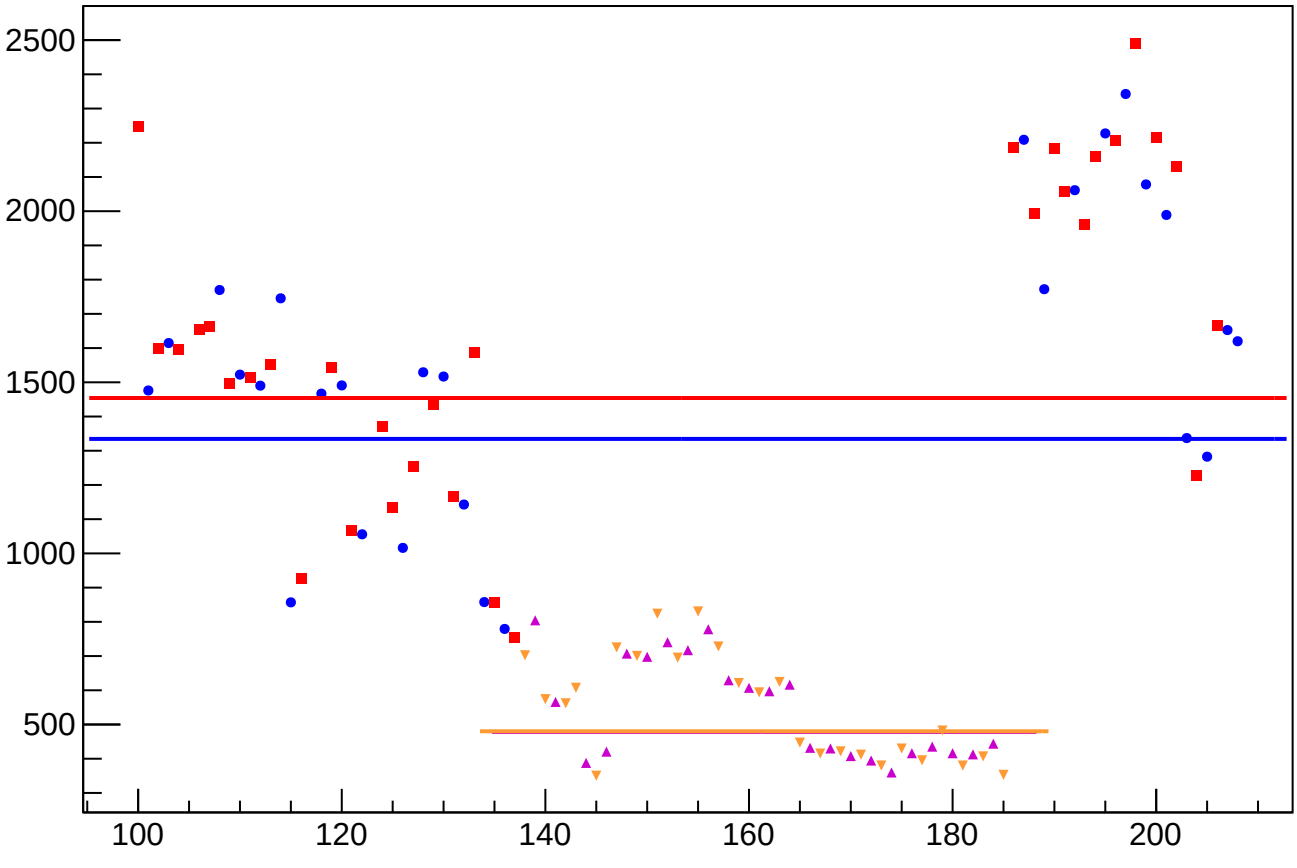
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -171.878+/-258.494 χ^2/NDF: 63.5/57

In: -61.052+/-110.048 χ^2/NDF:69.7/49

Out: -304.019+/-108.668 χ^2/NDF:93.3/55

All: -184.068+/-77.323 χ^2/NDF: 165.5/105



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

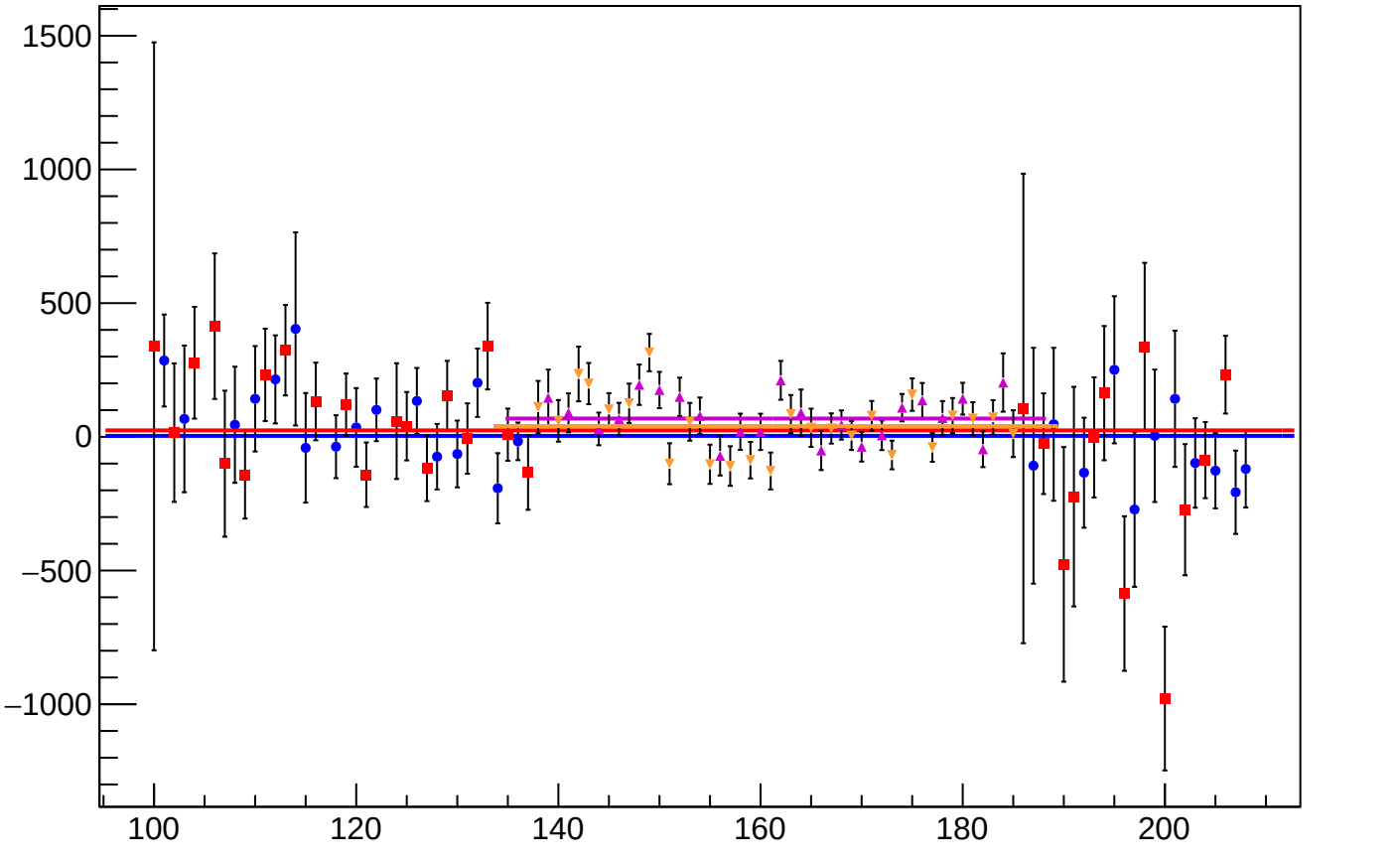
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1390.594+/-0.183 χ^2/NDF: 6041418.4/57

In: 560.588+/-0.078 χ^2/NDF:15781293.2/49

Out: 560.808+/-0.077 χ^2/NDF:17698667.5/55

All: 560.699+/-0.055 χ^2/NDF: 33479964.8/10



Right In: 3.611+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 24.176+/-30.879 χ^2/NDF: 45.7/30

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

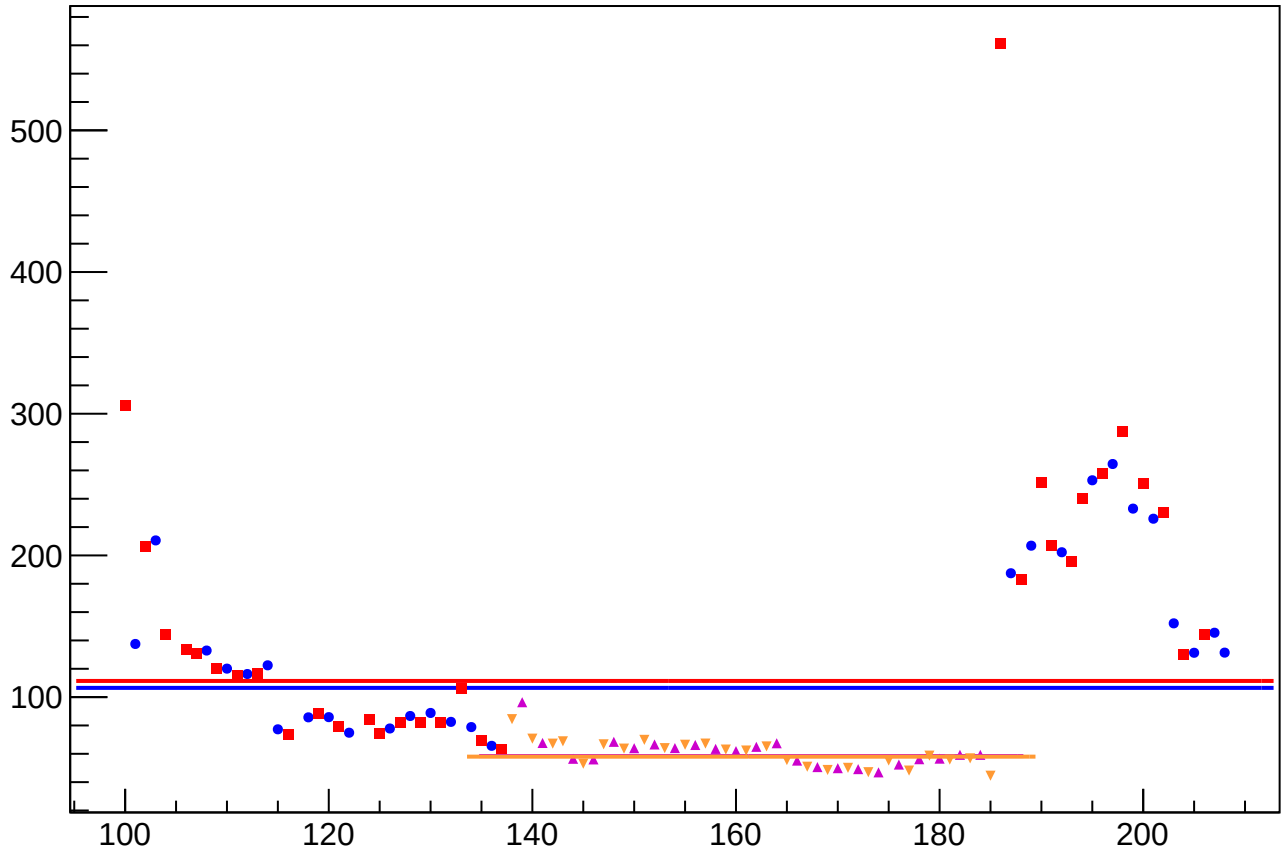
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 13.446+/-21.354 χ^2/NDF: 65.8/57

In: 56.670+/-12.554 χ^2/NDF:55.6/49

Out: 37.781+/-12.294 χ^2/NDF:105.3/55

All: 47.028+/-8.784 χ^2/NDF: 162.1/105



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

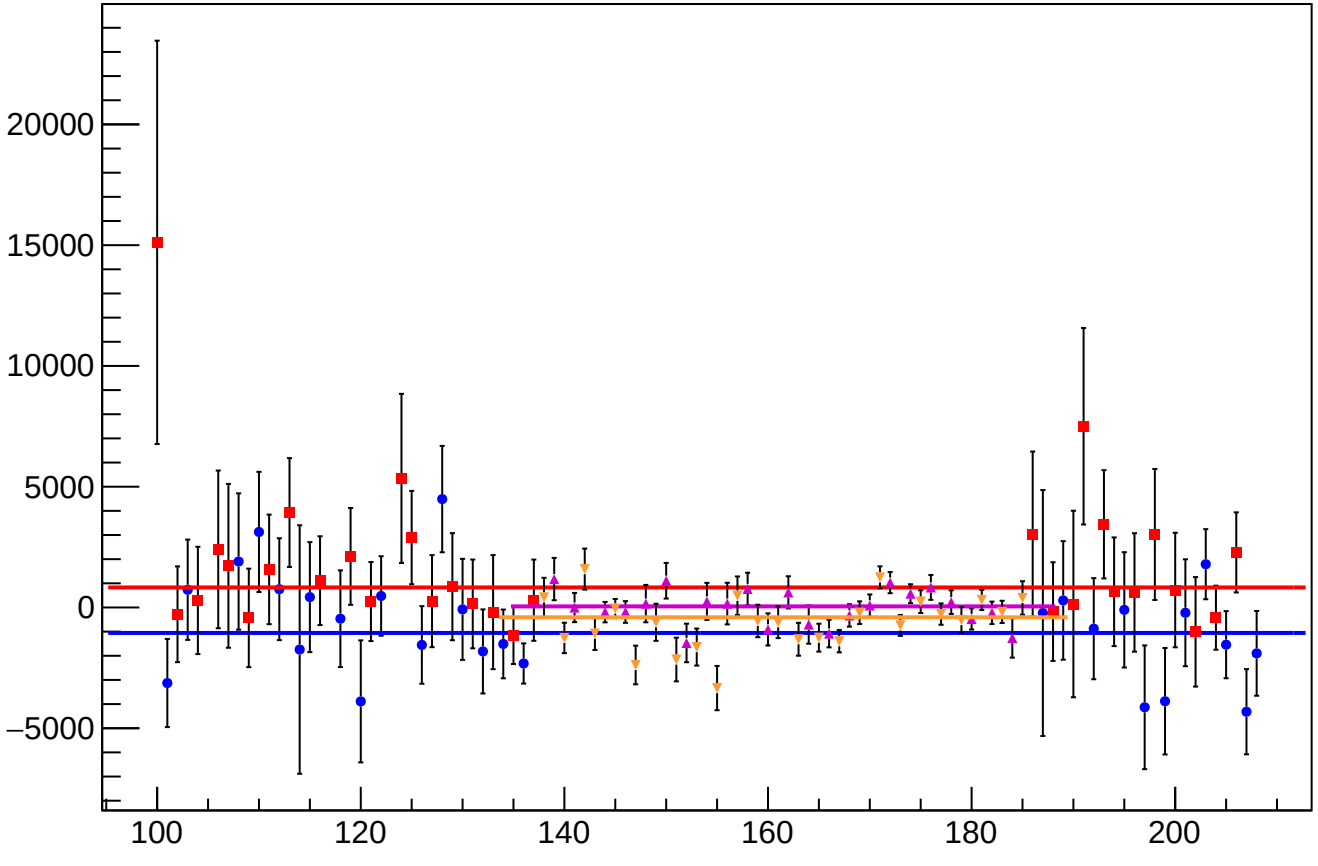
Right: 108.865+/-0.015 χ^2/NDF: 11128824.2/57

In: 67.076+/-0.009 χ^2/NDF:10072983.5/49

Out: 66.463+/-0.009 χ^2/NDF:11954721.8/55

All: 66.763+/-0.006 χ^2/NDF: 22030141.5/105

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 829.189+/-377.647 χ^2/NDF: 20.3/30

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

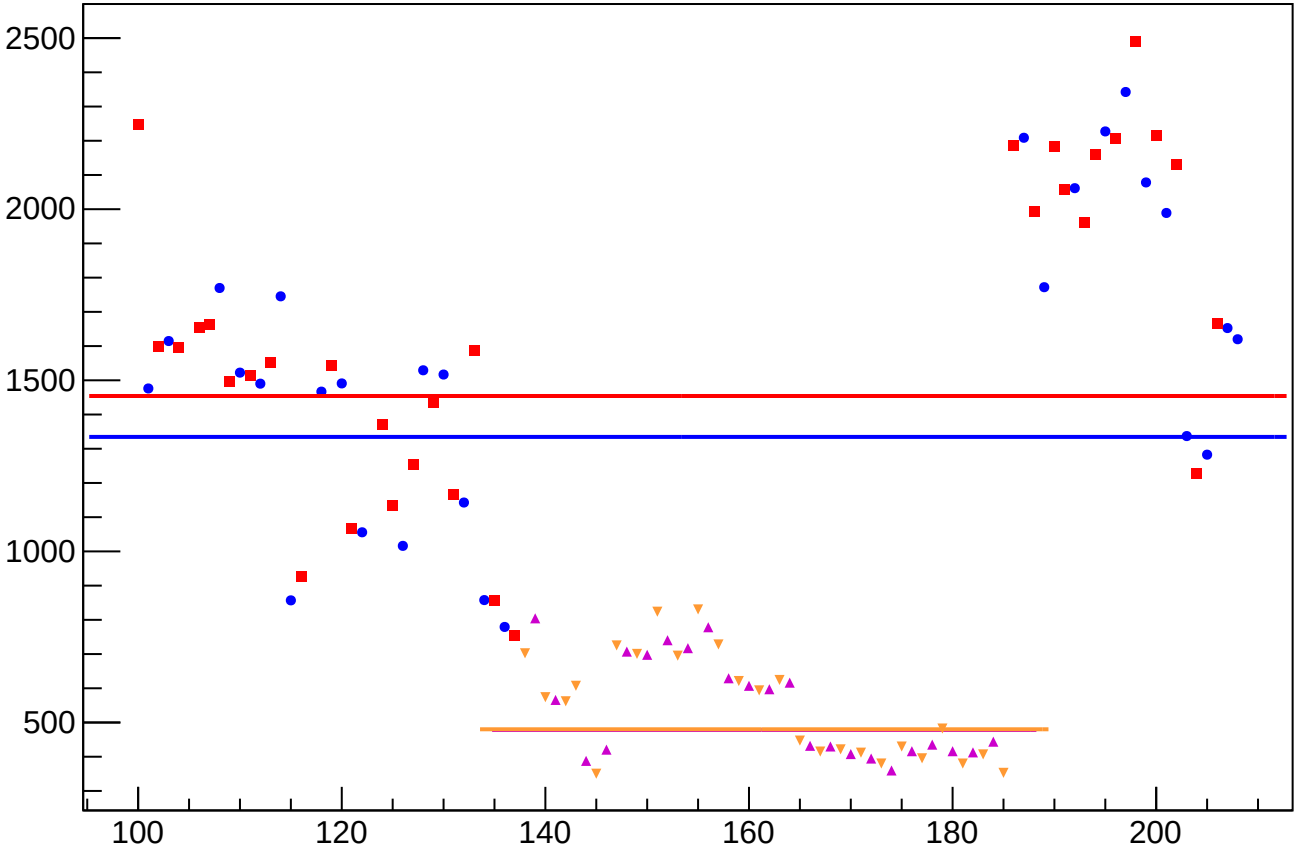
Right: -171.878+/-258.494 χ^2/NDF: 63.5/57

In: -61.052+/-110.048 χ^2/NDF:69.7/49

Out: -304.019+/-108.668 χ^2/NDF:93.3/55

All: -184.068+/-77.323 χ^2/NDF: 165.5/105

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

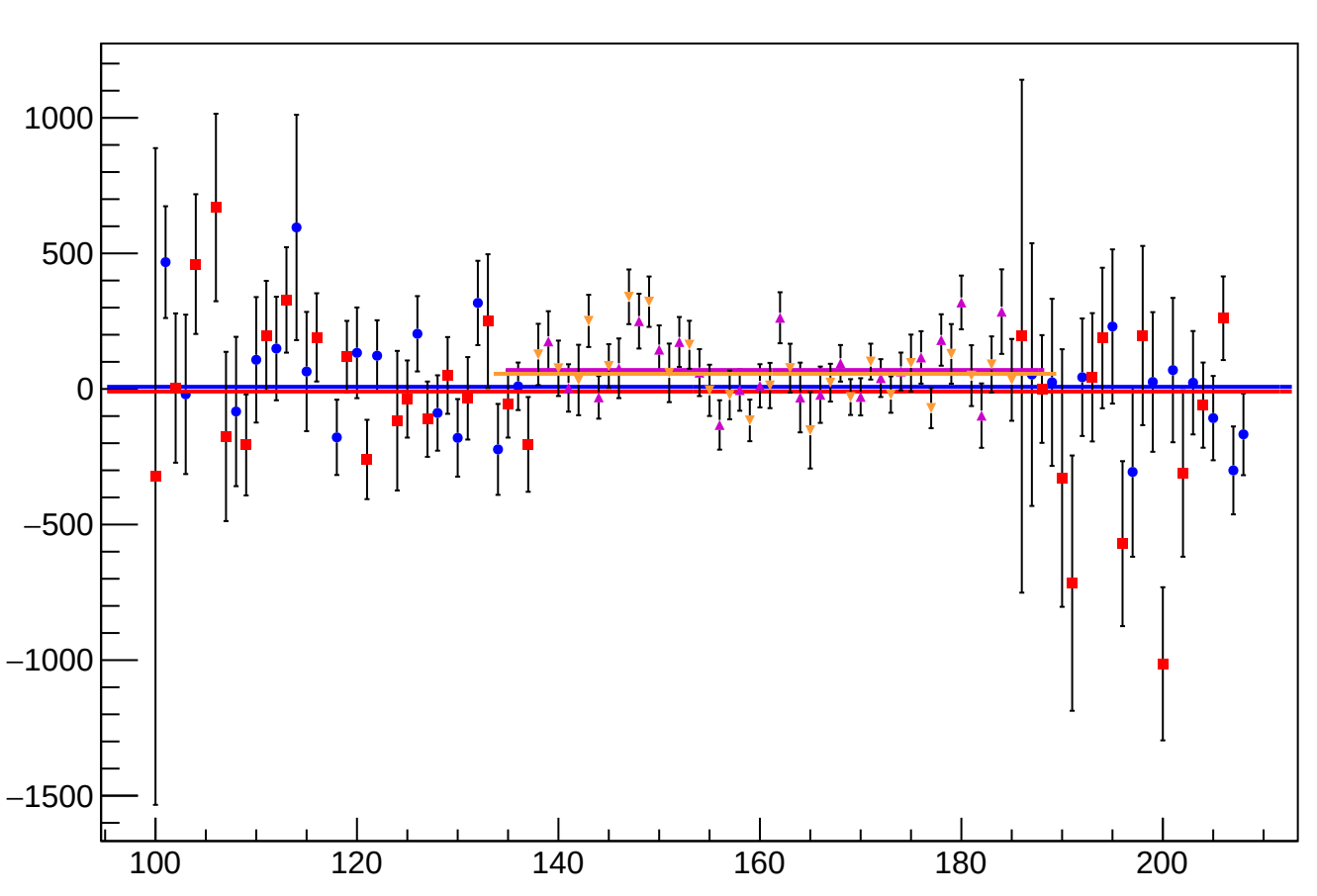
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1390.594+/-0.183 χ^2/NDF: 6041418.4/57

In: 560.588+/-0.078 χ^2/NDF:15781293.2/49

Out: 560.808+/-0.077 χ^2/NDF:17698667.5/55

All: 560.699+/-0.055 χ^2/NDF: 33479964.8/10



Right In: 7.840+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.420+/-35.646 χ^2/NDF: 45.5/30

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

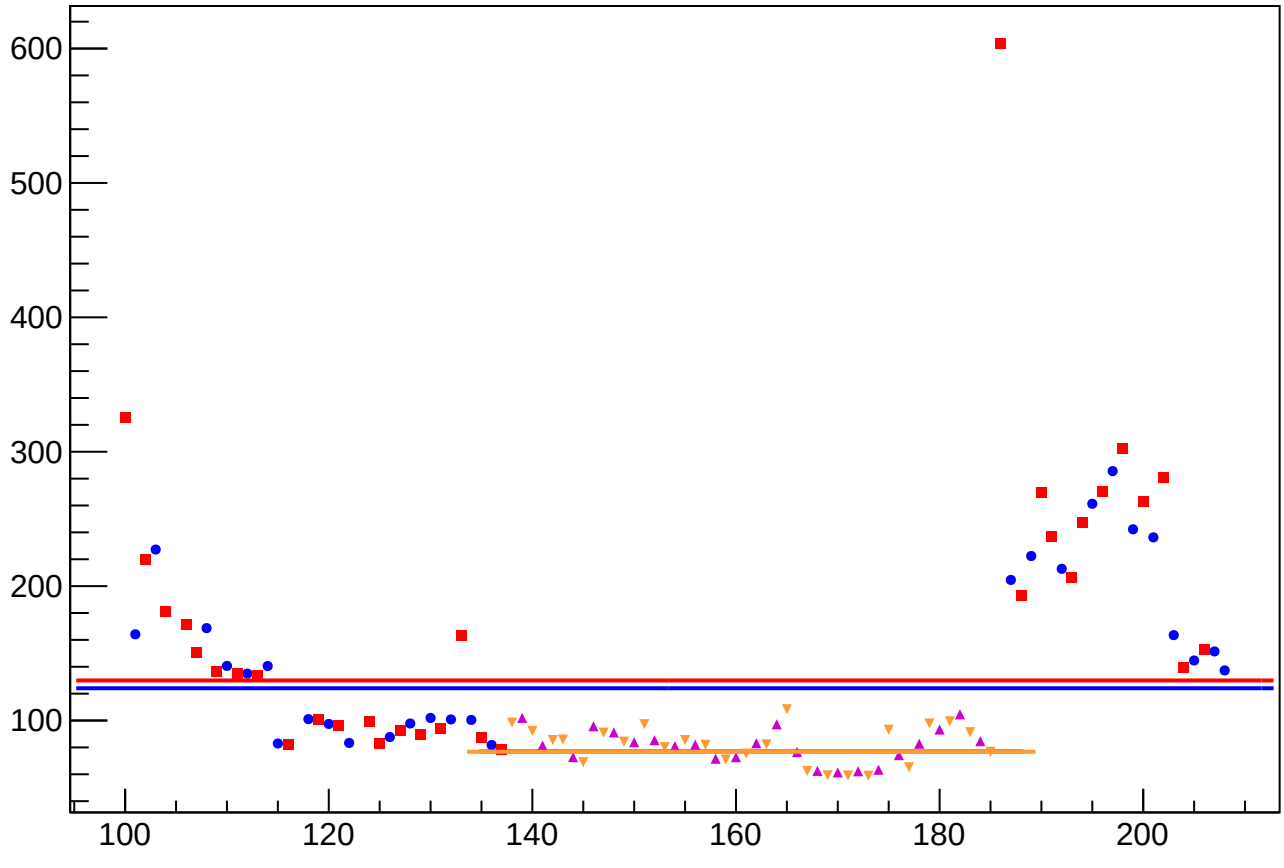
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -0.380+/-24.600 χ^2/NDF: 73.9/57

In: 55.679+/-16.247 χ^2/NDF:65.4/49

Out: 42.727+/-16.032 χ^2/NDF:86.5/55

All: 49.116+/-11.411 χ^2/NDF: 152.2/105



Right In: 124.016+/-0.024 χ^2/NDF: 4136288.9/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 129.806+/-0.025 χ^2/NDF: 5426991.4/30

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

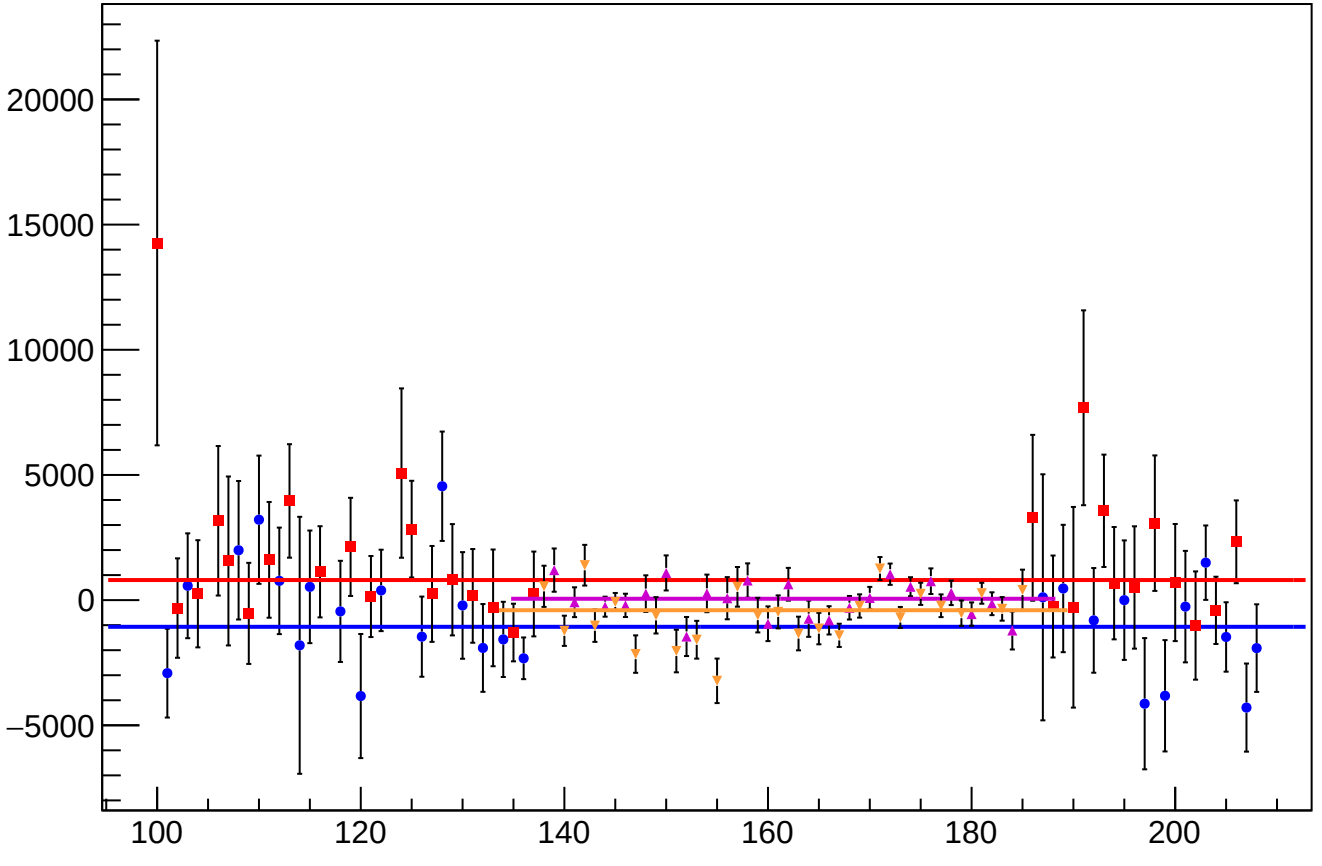
Right: 126.773+/-0.017 χ^2/NDF: 9590915.4/57

In: 87.755+/-0.011 χ^2/NDF:7945015.8/49

Out: 87.476+/-0.011 χ^2/NDF:10196941.9/55

All: 87.614+/-0.008 χ^2/NDF: 18142255.4/105

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1066.040+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 802.170+/-374.269 χ^2/NDF: 22.2/30

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

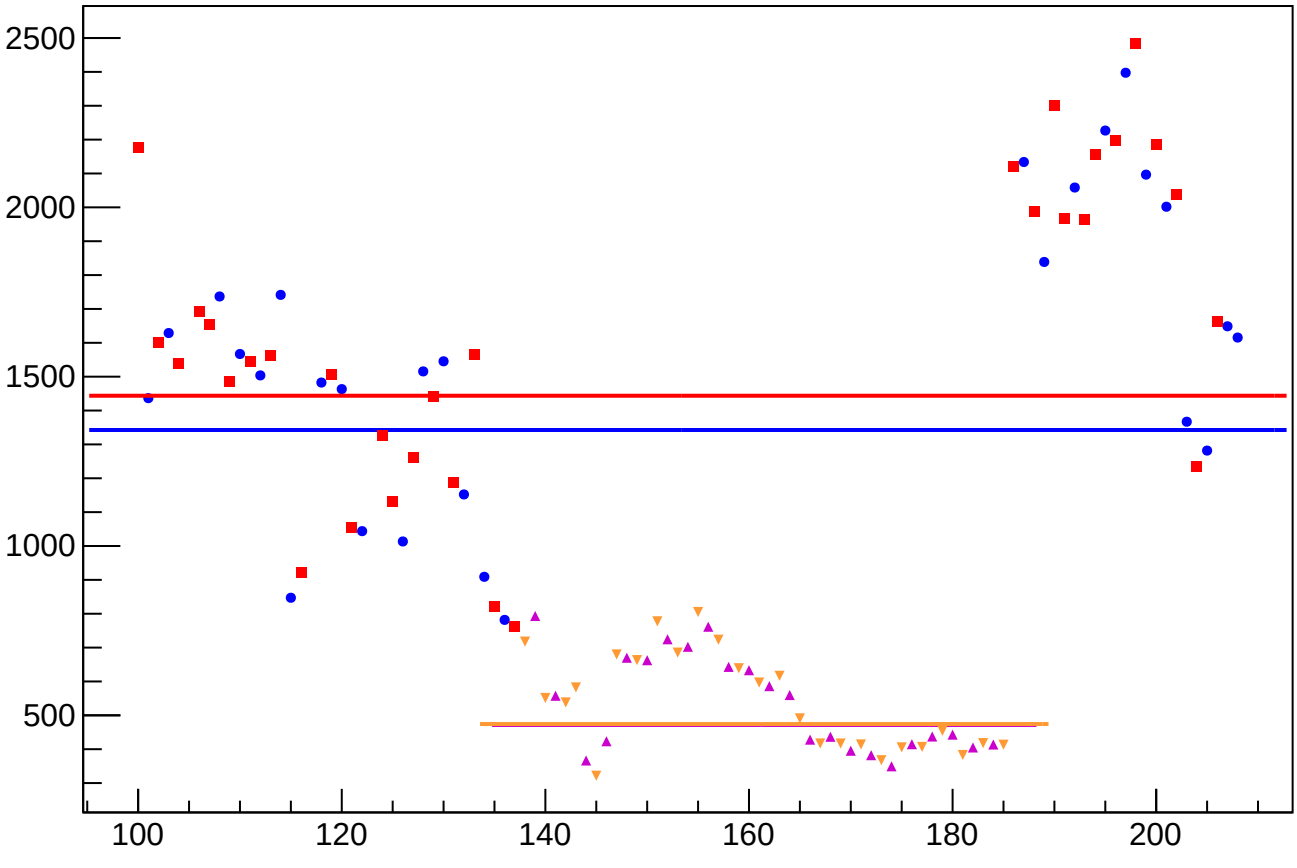
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -177.706+/-258.083 χ^2/NDF: 64.2/57

In: -50.177+/-108.772 χ^2/NDF:68.5/49

Out: -304.659+/-107.099 χ^2/NDF:92.5/55

All: -179.390+/-76.315 χ^2/NDF: 163.8/105



Right In: 1342.533+/-0.252 χ^2/NDF: 2993407.1/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1443.717+/-0.265 χ^2/NDF: 2954405.9/30

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

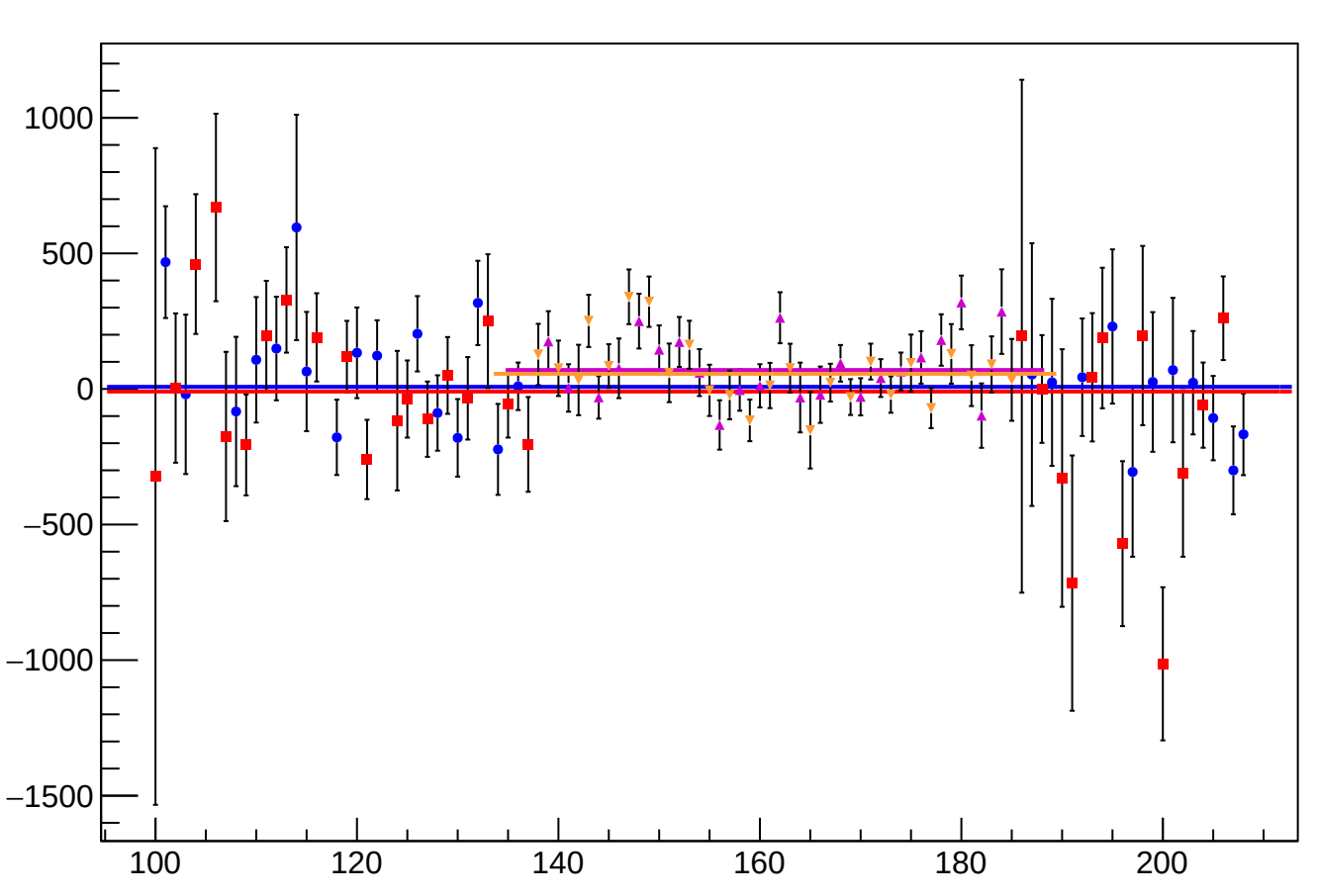
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1390.646+/-0.182 χ^2/NDF: 6024485.2/57

In: 552.612+/-0.077 χ^2/NDF:16039429.7/49

Out: 553.675+/-0.076 χ^2/NDF:17812698.1/55

All: 553.152+/-0.054 χ^2/NDF: 33852224.9/10



Right In: 7.841+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.422+/-35.646 χ^2/NDF: 45.5/30

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

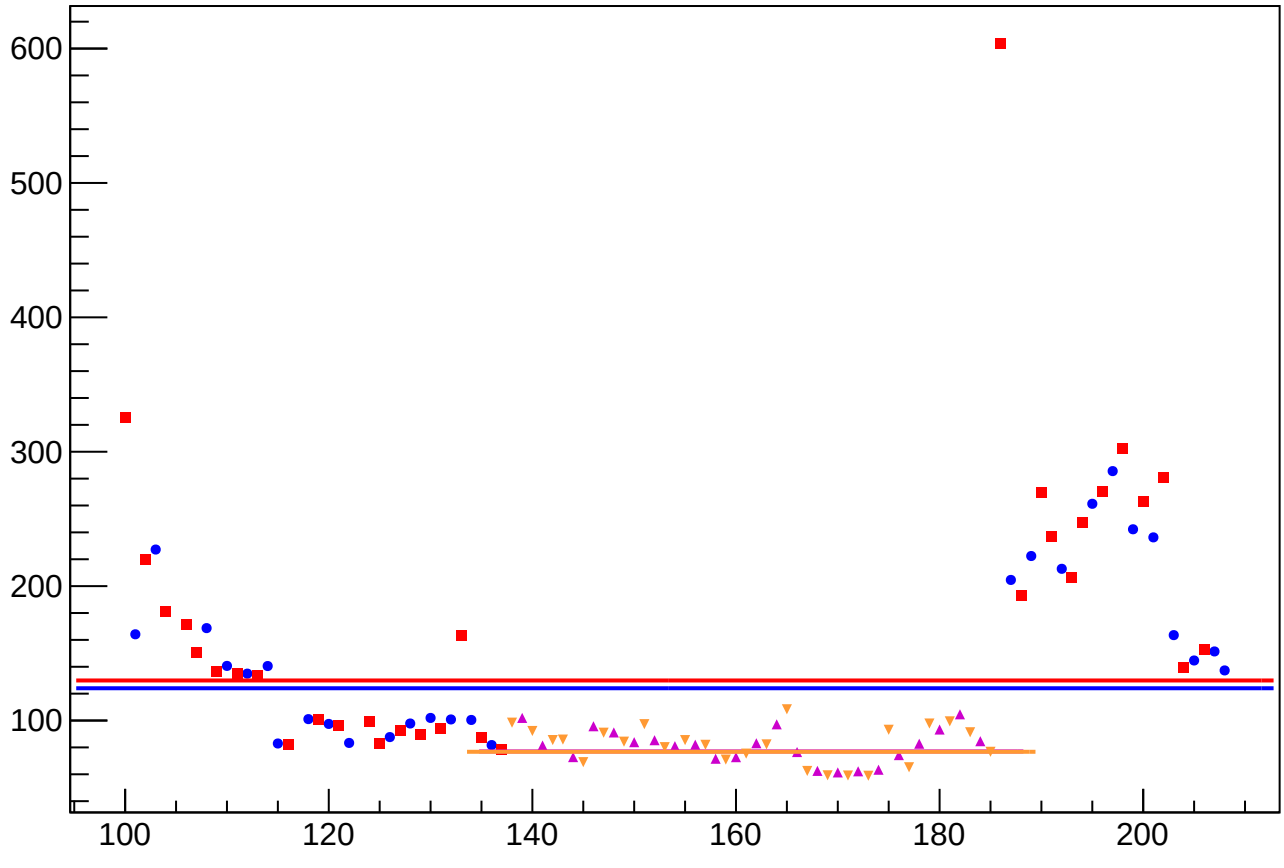
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -0.381+/-24.600 χ^2/NDF: 73.9/57

In: 55.678+/-16.247 χ^2/NDF:65.4/49

Out: 42.726+/-16.032 χ^2/NDF:86.5/55

All: 49.116+/-11.411 χ^2/NDF: 152.2/105



Right In: 124.016+/-0.024 χ^2/NDF: 4136297.4/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 129.806+/-0.025 χ^2/NDF: 5427001.1/30

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

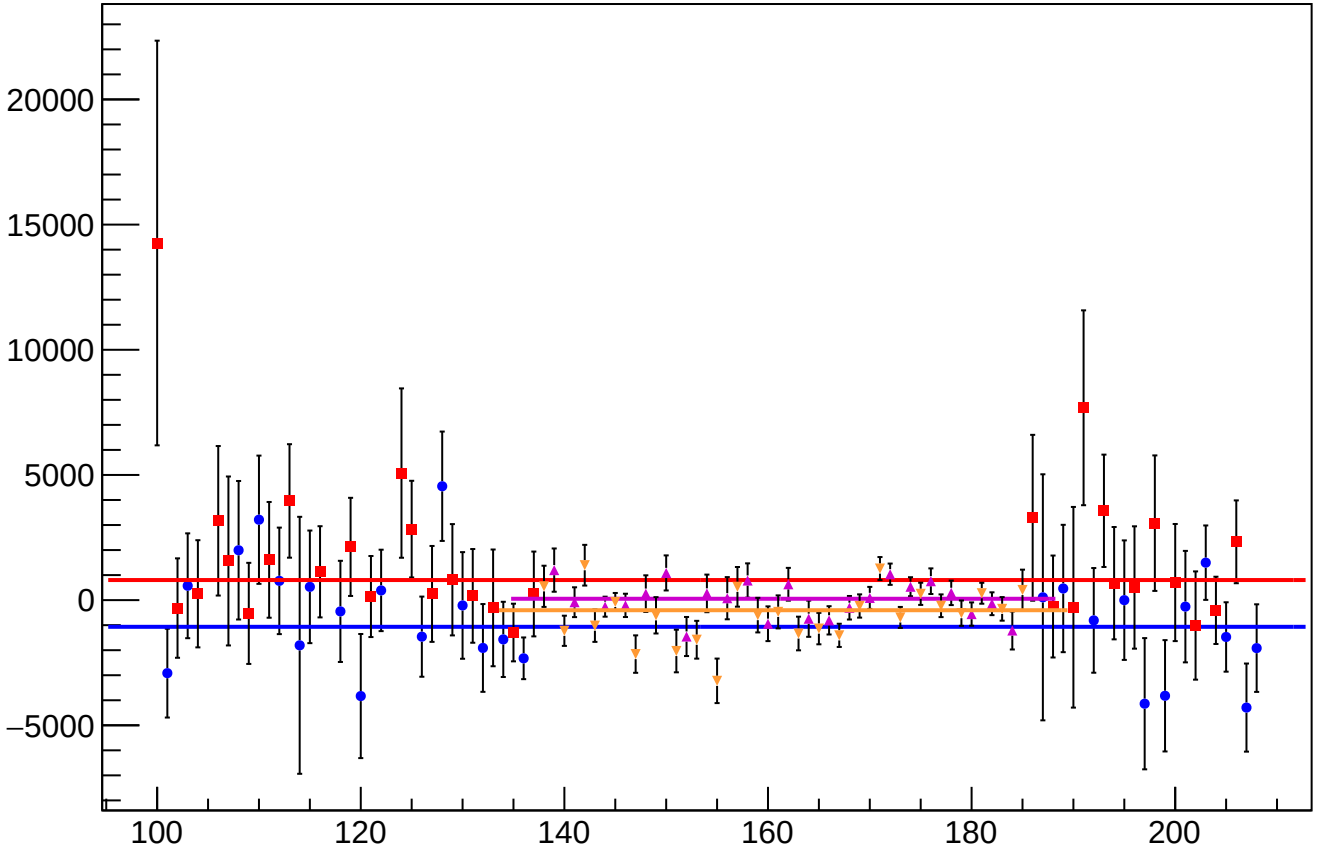
Right: 126.773+/-0.017 χ^2/NDF: 9590935.2/57

In: 87.755+/-0.011 χ^2/NDF:7944951.9/49

Out: 87.477+/-0.011 χ^2/NDF:10196901.2/55

All: 87.614+/-0.008 χ^2/NDF: 18142150.8/105

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1066.037+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 802.171+/-374.269 χ^2/NDF: 22.2/30

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

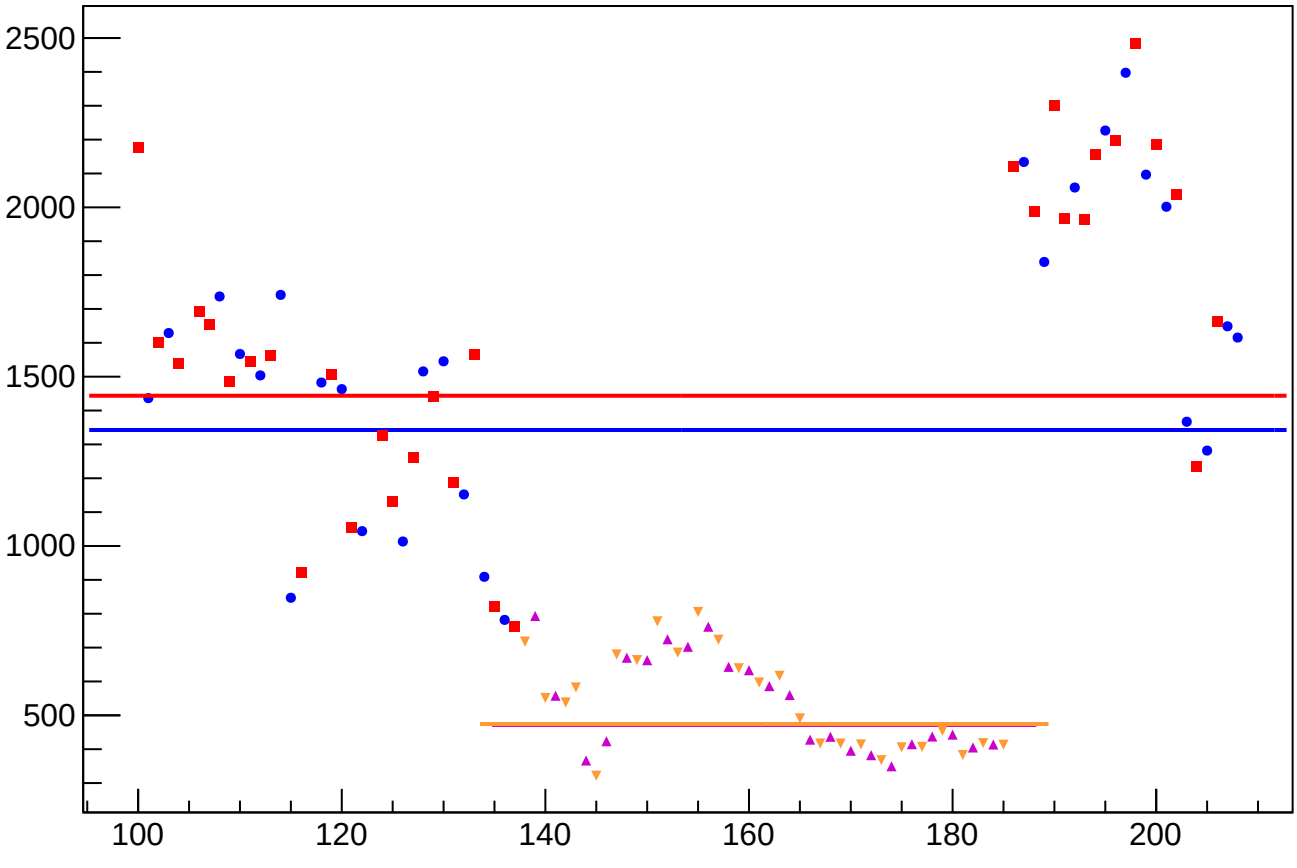
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

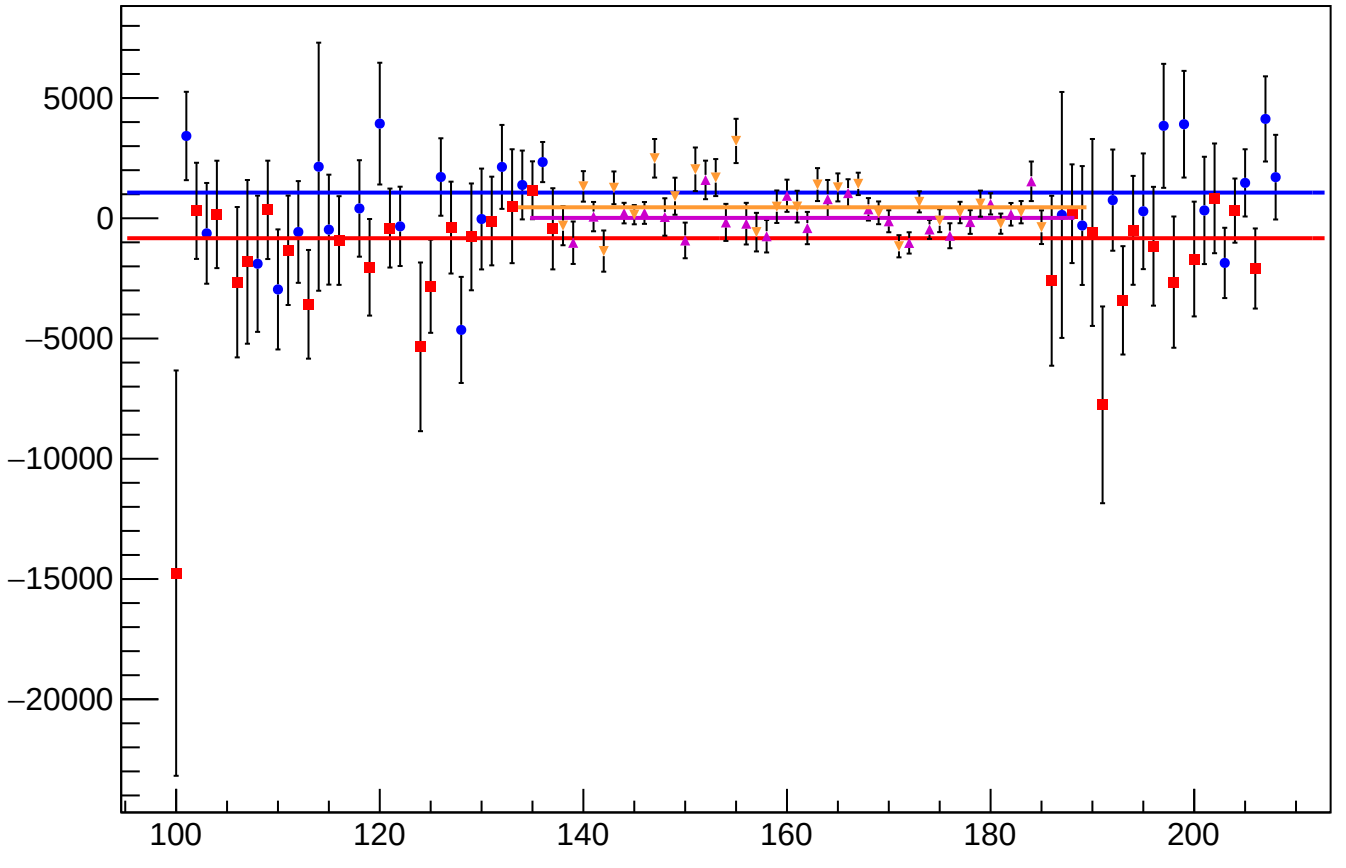
Right: -177.703+/-258.083 χ^2/NDF: 64.2/57

In: -50.177+/-108.772 χ^2/NDF:68.5/49

Out: -304.659+/-107.099 χ^2/NDF:92.5/55

All: -179.390+/-76.315 χ^2/NDF: 163.8/105


asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1342.532+/-0.252 χ²/NDF: 2993398.3/26
Left Out: 474.294+/-0.079 χ²/NDF:2538999.2/24
Right Out: 1443.716+/-0.265 χ²/NDF: 2954401.2/30
Left In: 471.456+/-0.081 χ²/NDF:2209338.4/22
Left: 472.905+/-0.056 χ²/NDF: 4748968.3/47
Right: 1390.645+/-0.182 χ²/NDF: 6024470.9/57
In: 552.611+/-0.077 χ²/NDF:16039415.2/49
Out: 553.675+/-0.076 χ²/NDF:17812694.2/55
All: 553.151+/-0.054 χ²/NDF: 33852206.4/10



Right In: 1068.252+/-356.216 χ^2/NDF: 29.7/26

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -828.963+/-379.129 χ^2/NDF: 19.2/30

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

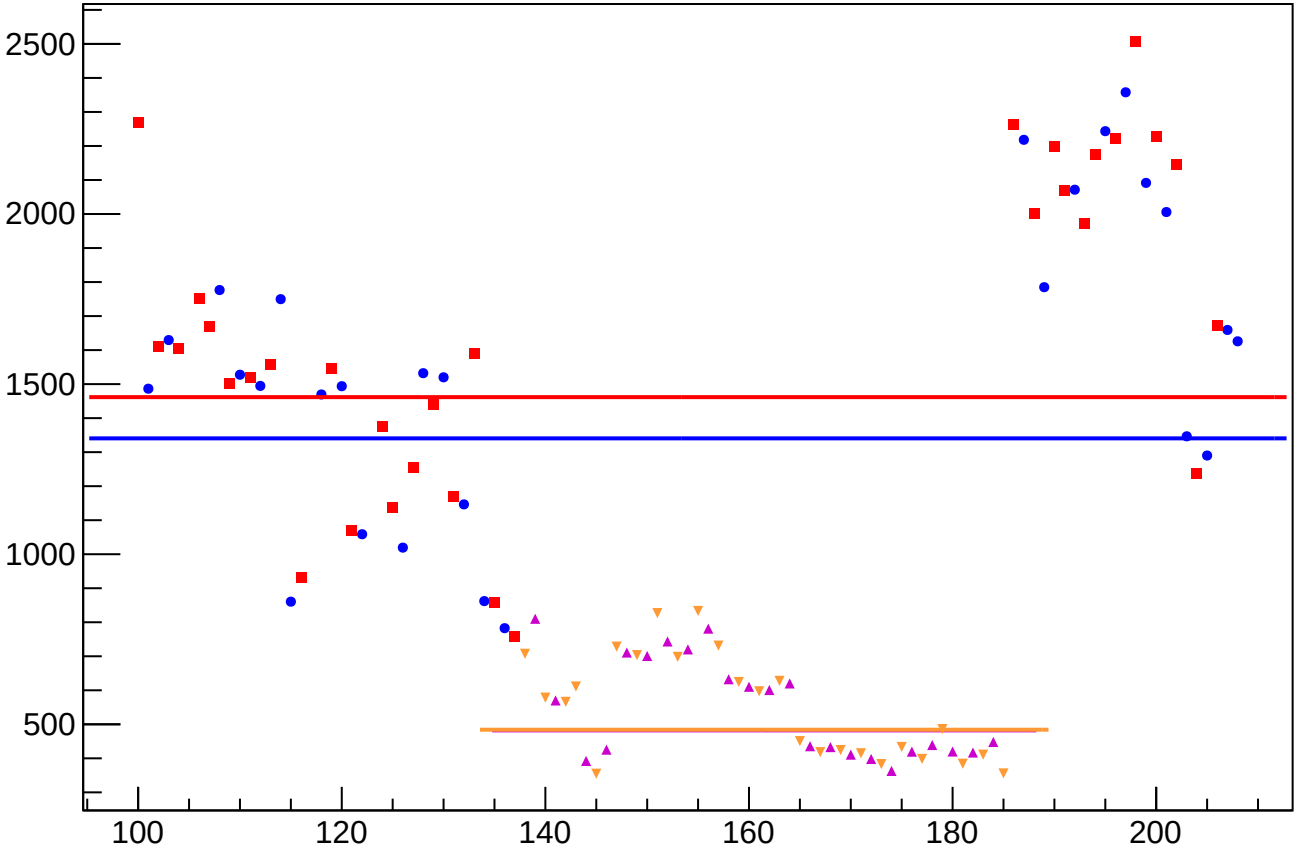
Right: 178.703+/-259.606 χ^2/NDF: 62.1/57

In: 117.169+/-110.901 χ^2/NDF:67.8/49

Out: 350.031+/-109.480 χ^2/NDF:89.1/55

All: 235.101+/-77.912 χ^2/NDF: 159.2/105

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1340.525+/-0.252 χ^2/NDF: 3030996.1/26

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1461.720+/-0.268 χ^2/NDF: 2954362.6/30

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

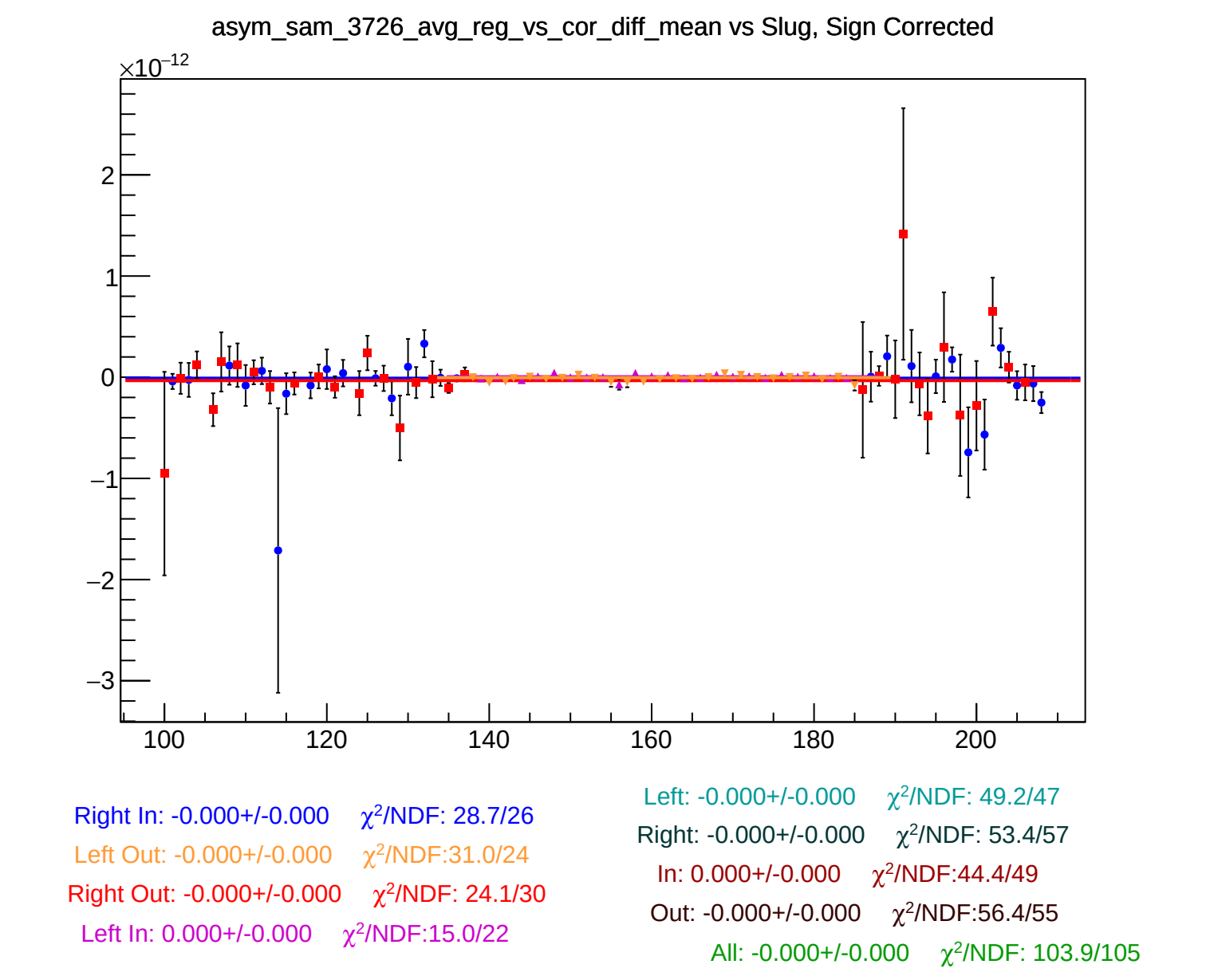
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

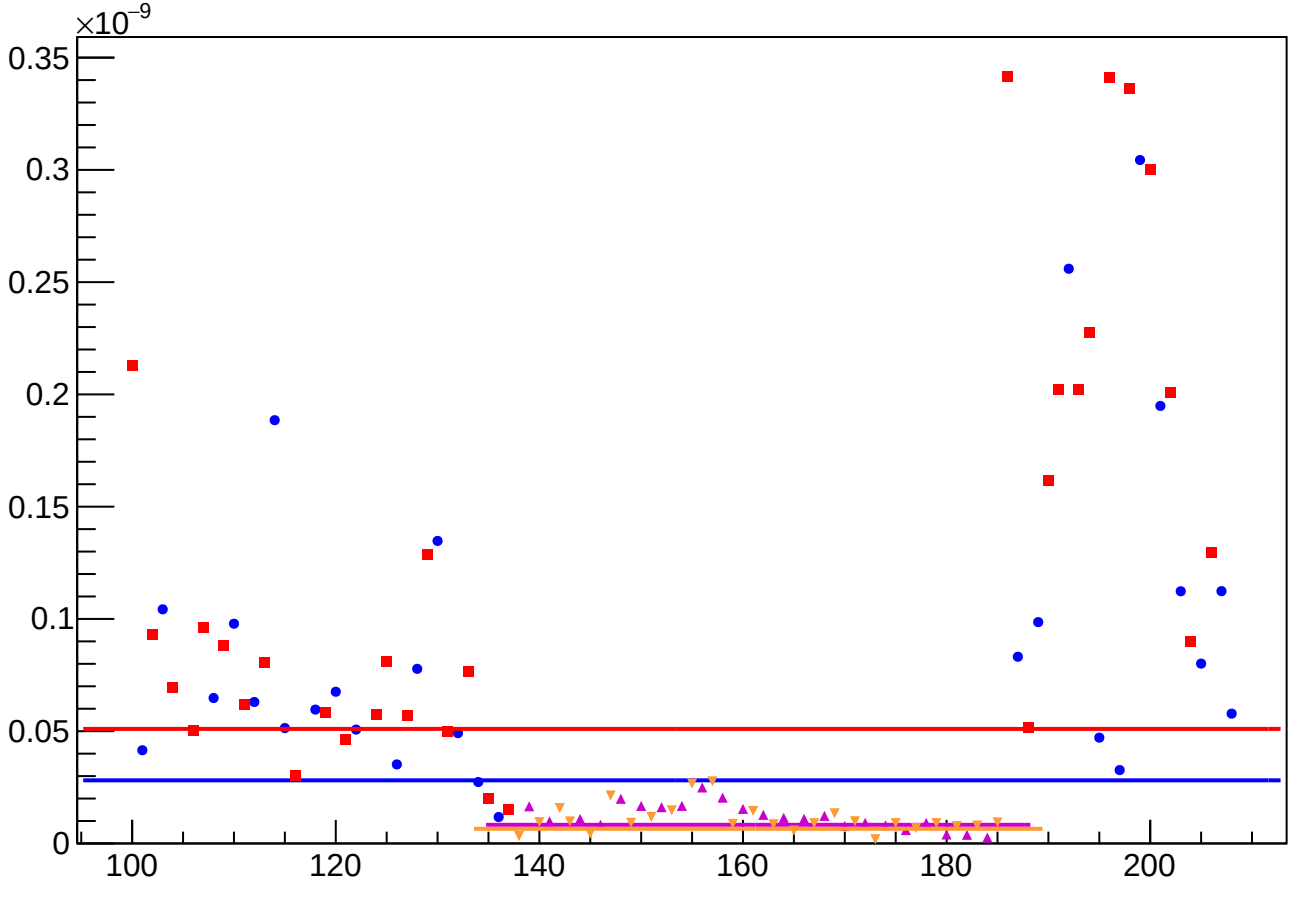
Right: 1397.350+/-0.184 χ^2/NDF: 6093906.4/57

In: 565.358+/-0.078 χ^2/NDF:15705144.0/49

Out: 565.646+/-0.077 χ^2/NDF:17691522.4/55

All: 565.504+/-0.055 χ^2/NDF: 33396673.2/10


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.7/26
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.1/30
Left In: 0.000+/-0.000 χ²/NDF:15.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.2/47
Right: -0.000+/-0.000 χ²/NDF: 53.4/57
In: 0.000+/-0.000 χ²/NDF:44.4/49
Out: -0.000+/-0.000 χ²/NDF:56.4/55
All: -0.000+/-0.000 χ²/NDF: 103.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 6751917.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6190867.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

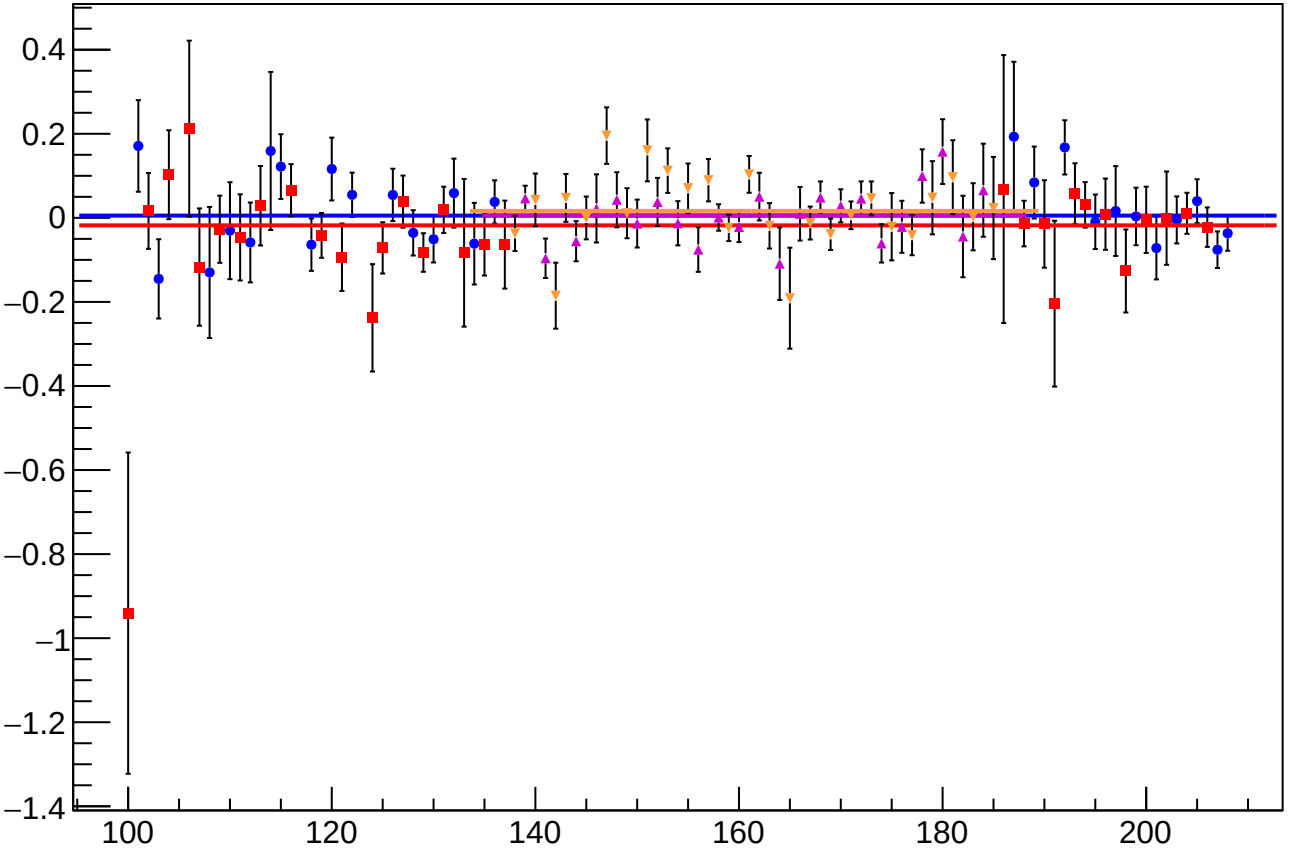
Right: 0.000+/-0.000 χ^2/NDF: 14111231.5/57

In: 0.000+/-0.000 χ^2/NDF:12304326.1/49

Out: 0.000+/-0.000 χ^2/NDF:16140569.7/55

All: 0.000+/-0.000 χ^2/NDF: 28808854.5/105

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

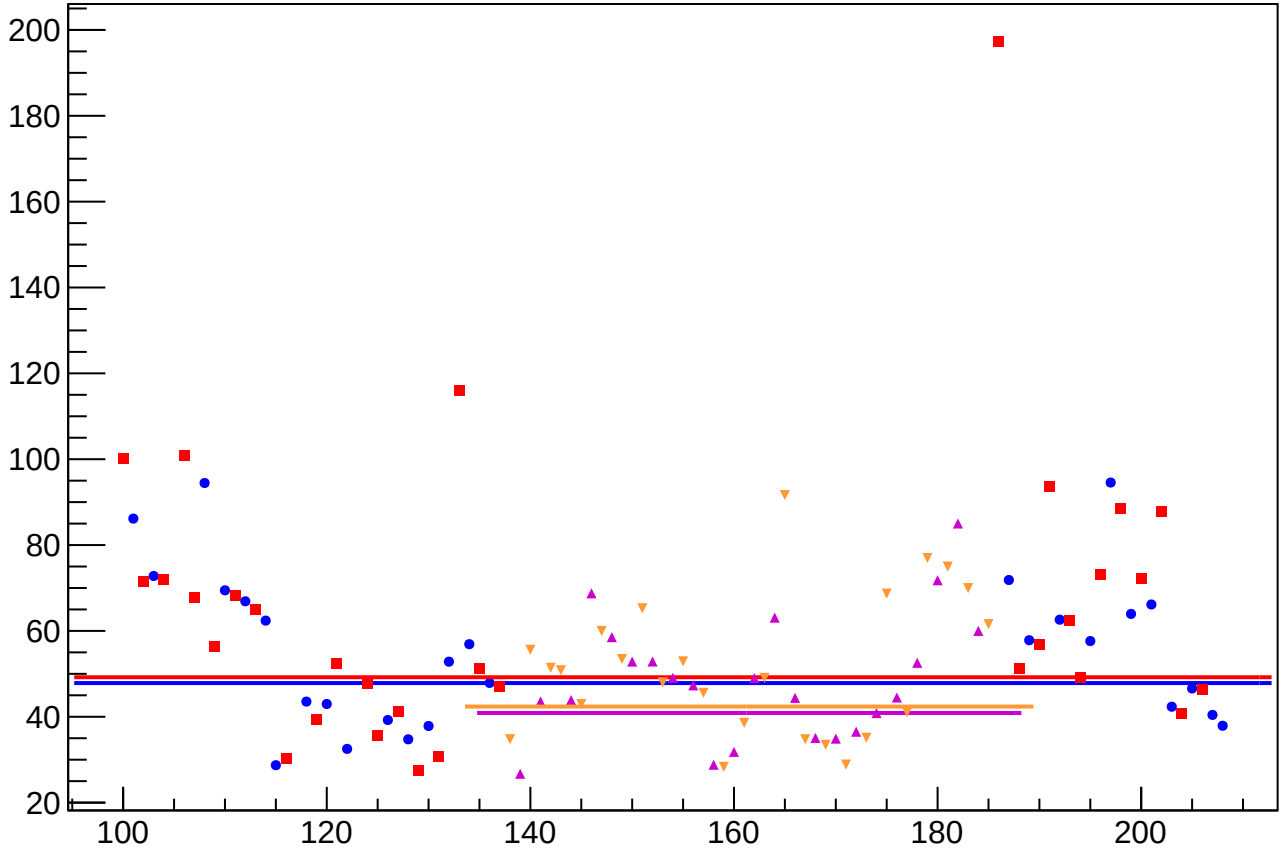
Right: -0.006+/-0.009 χ^2/NDF: 57.4/57

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.005+/-0.006 χ^2/NDF: 127.0/105

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

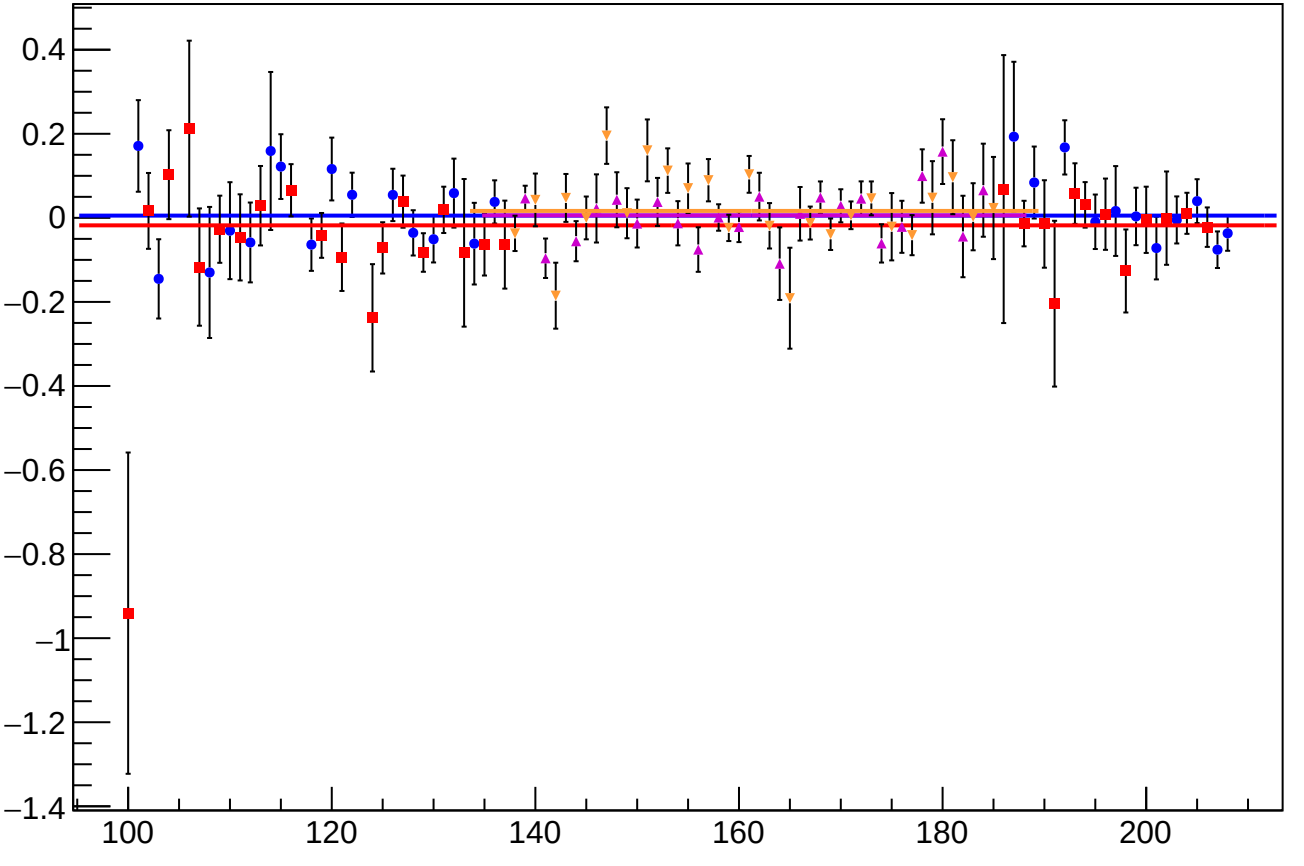
Right: 48.502+/-0.007 χ^2/NDF: 5790655.0/57

In: 43.558+/-0.006 χ^2/NDF:5337320.5/49

Out: 44.901+/-0.006 χ^2/NDF:6987524.1/55

All: 44.218+/-0.004 χ^2/NDF: 12352080.0/105

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

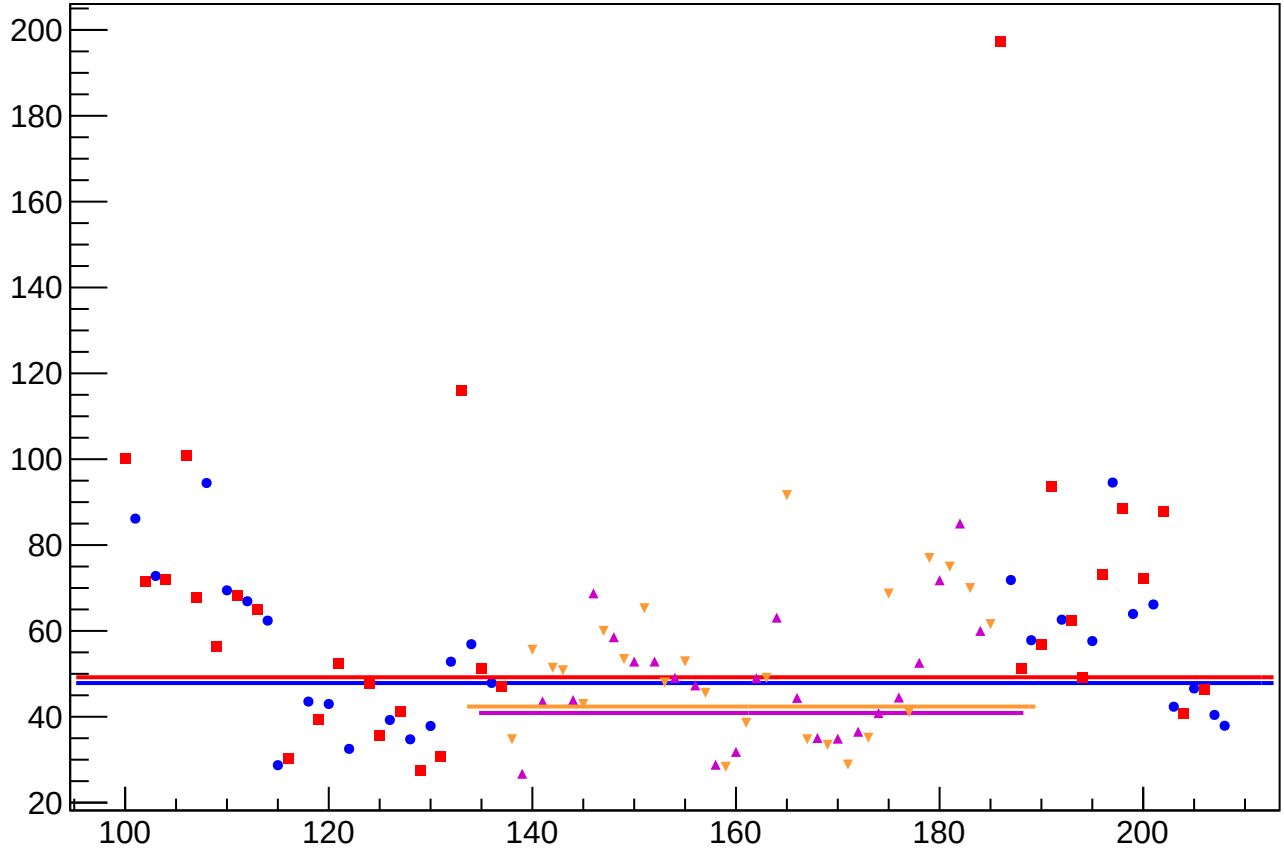
Right: -0.006+/-0.009 χ^2/NDF: 57.4/57

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.005+/-0.006 χ^2/NDF: 127.0/105

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

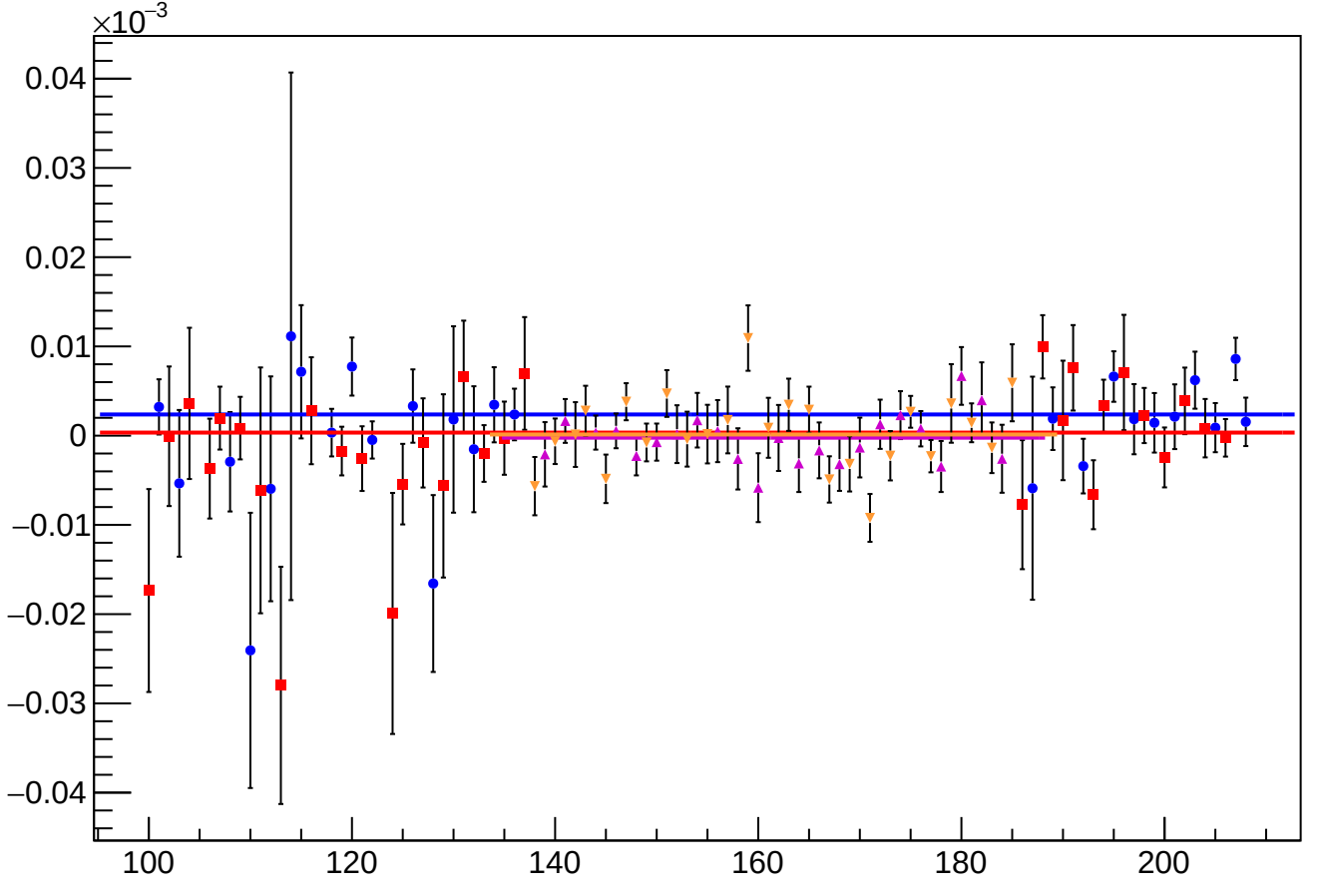
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 48.502+/-0.007 χ^2/NDF: 5790655.0/57

In: 43.558+/-0.006 χ^2/NDF:5337320.5/49

Out: 44.901+/-0.006 χ^2/NDF:6987524.1/55

All: 44.218+/-0.004 χ^2/NDF: 12352080.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

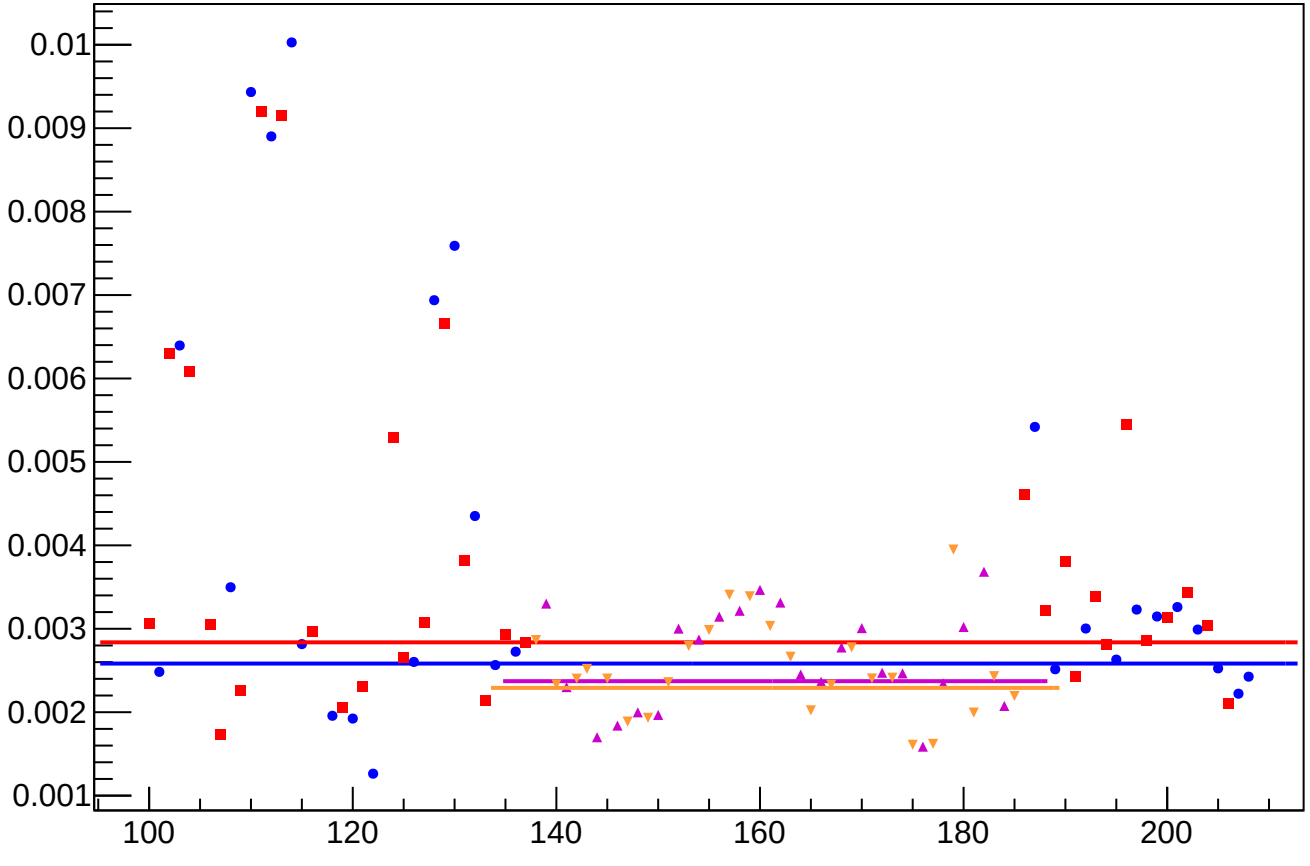
Right: 0.000+/-0.000 χ^2/NDF: 68.8/57

In: 0.000+/-0.000 χ^2/NDF:54.1/49

Out: 0.000+/-0.000 χ^2/NDF:84.8/55

All: 0.000+/-0.000 χ^2/NDF: 139.9/105

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3893479.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3409059.5/30

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

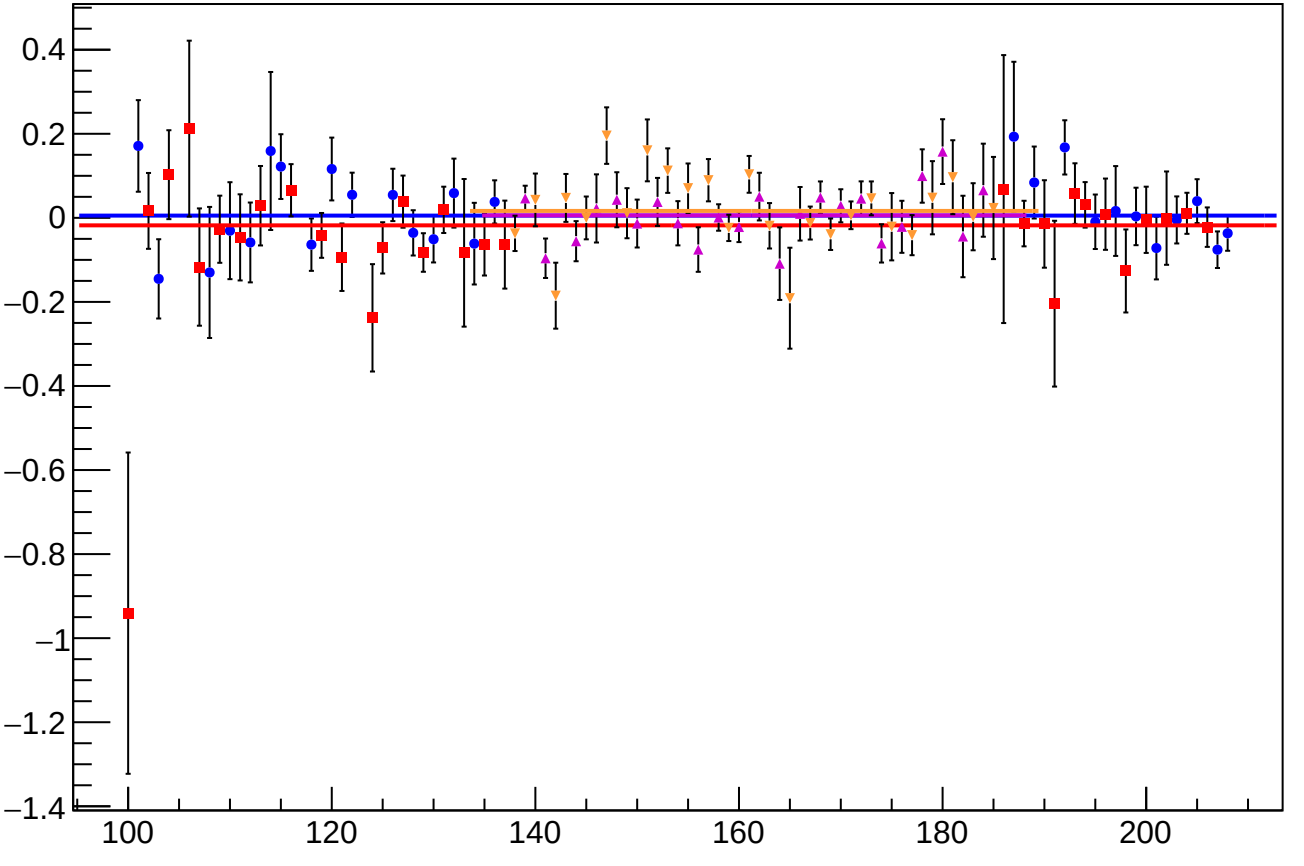
Right: 0.003+/-0.000 χ^2/NDF: 7423826.6/57

In: 0.002+/-0.000 χ^2/NDF:6021161.0/49

Out: 0.002+/-0.000 χ^2/NDF:5921338.7/55

All: 0.002+/-0.000 χ^2/NDF: 11944169.3/105

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

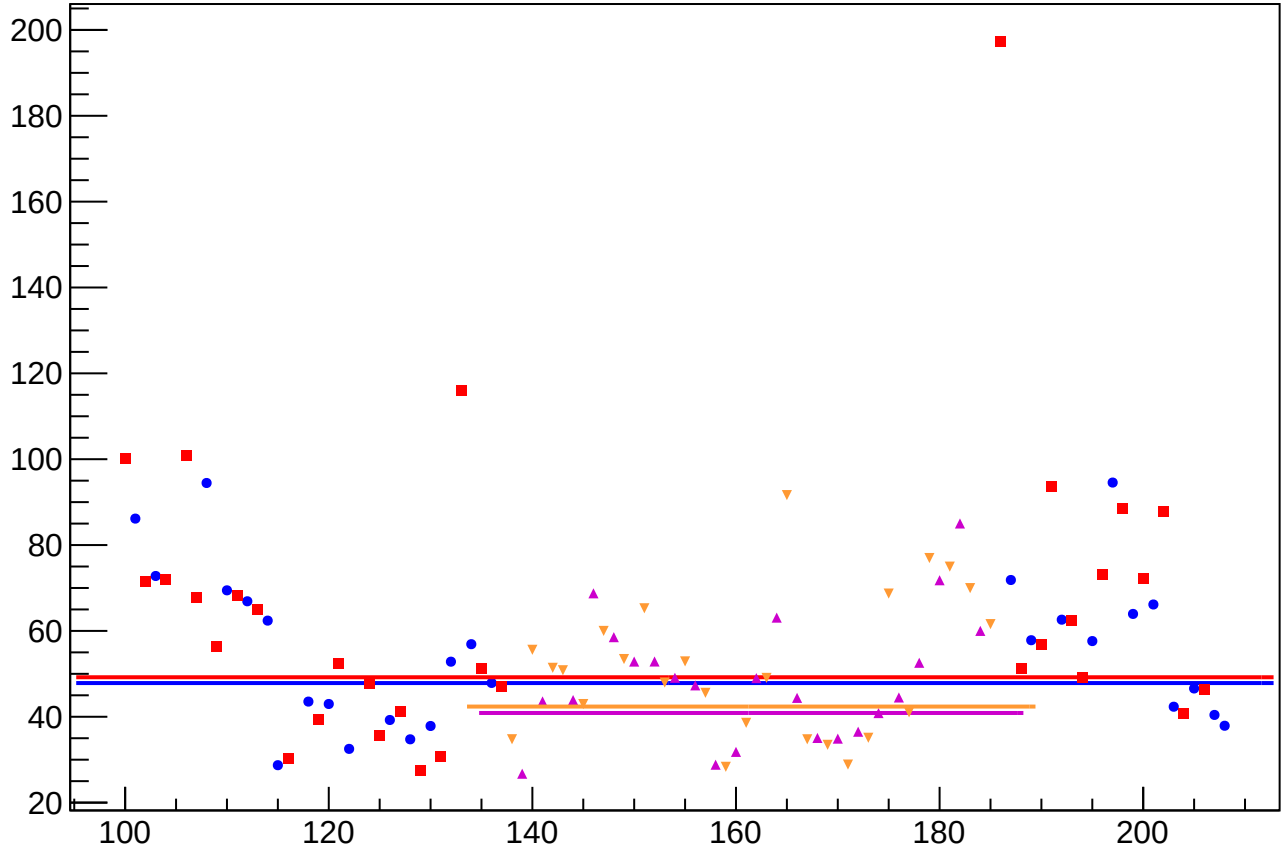
Right: -0.006+/-0.009 χ^2/NDF: 57.4/57

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.005+/-0.006 χ^2/NDF: 127.0/105

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

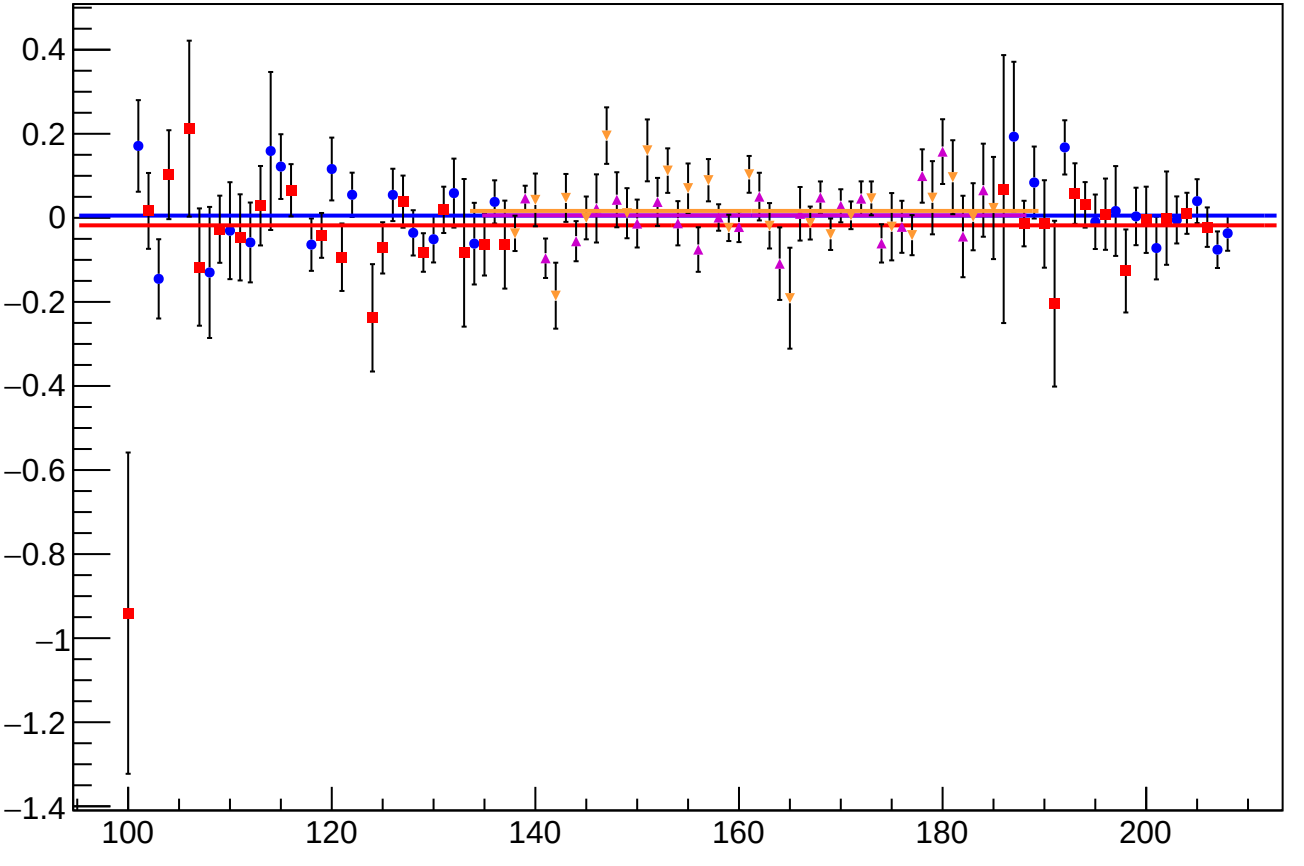
Right: 48.503+/-0.007 χ^2/NDF: 5790525.0/57

In: 43.558+/-0.006 χ^2/NDF:5337255.1/49

Out: 44.902+/-0.006 χ^2/NDF:6987445.7/55

All: 44.218+/-0.004 χ^2/NDF: 12351938.5/105

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

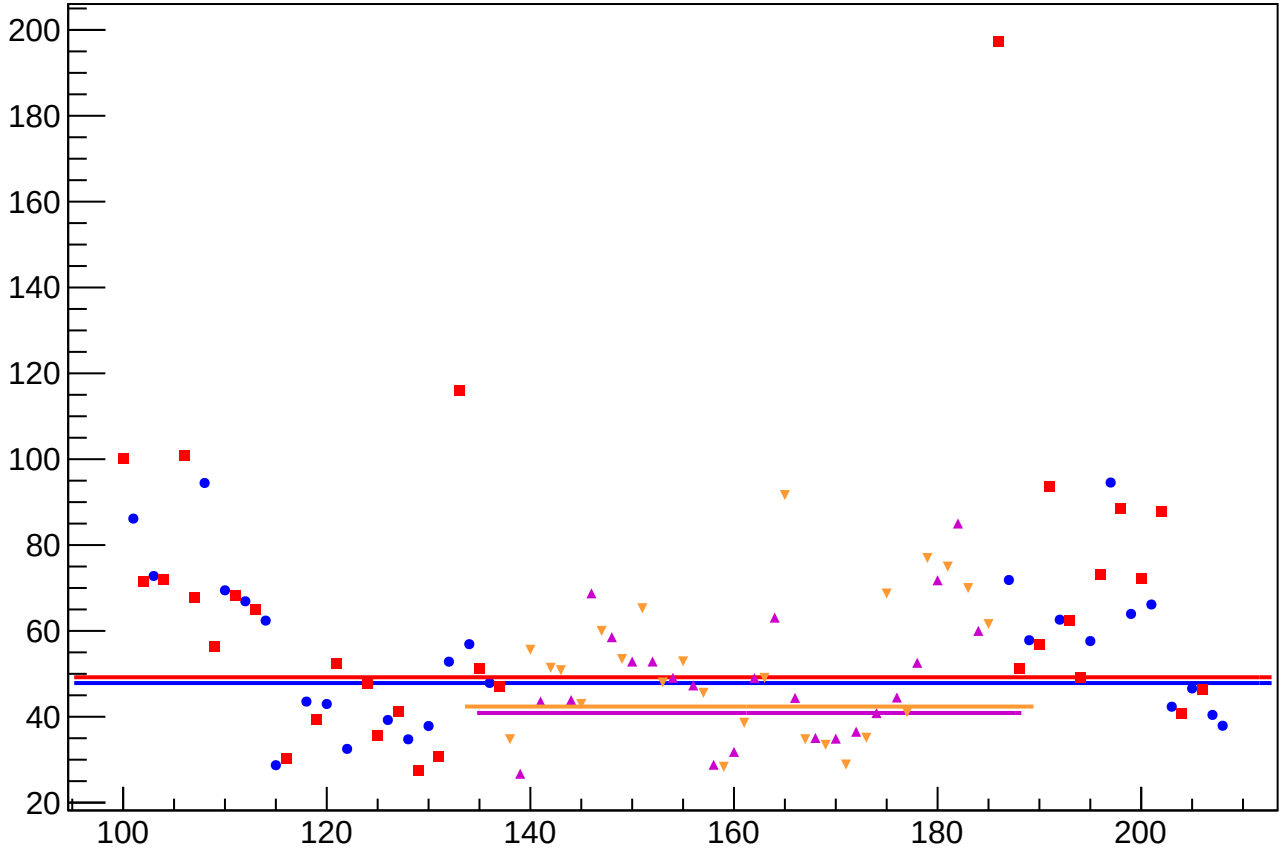
Right: -0.006+/-0.009 χ^2/NDF: 57.4/57

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.005+/-0.006 χ^2/NDF: 127.0/105

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

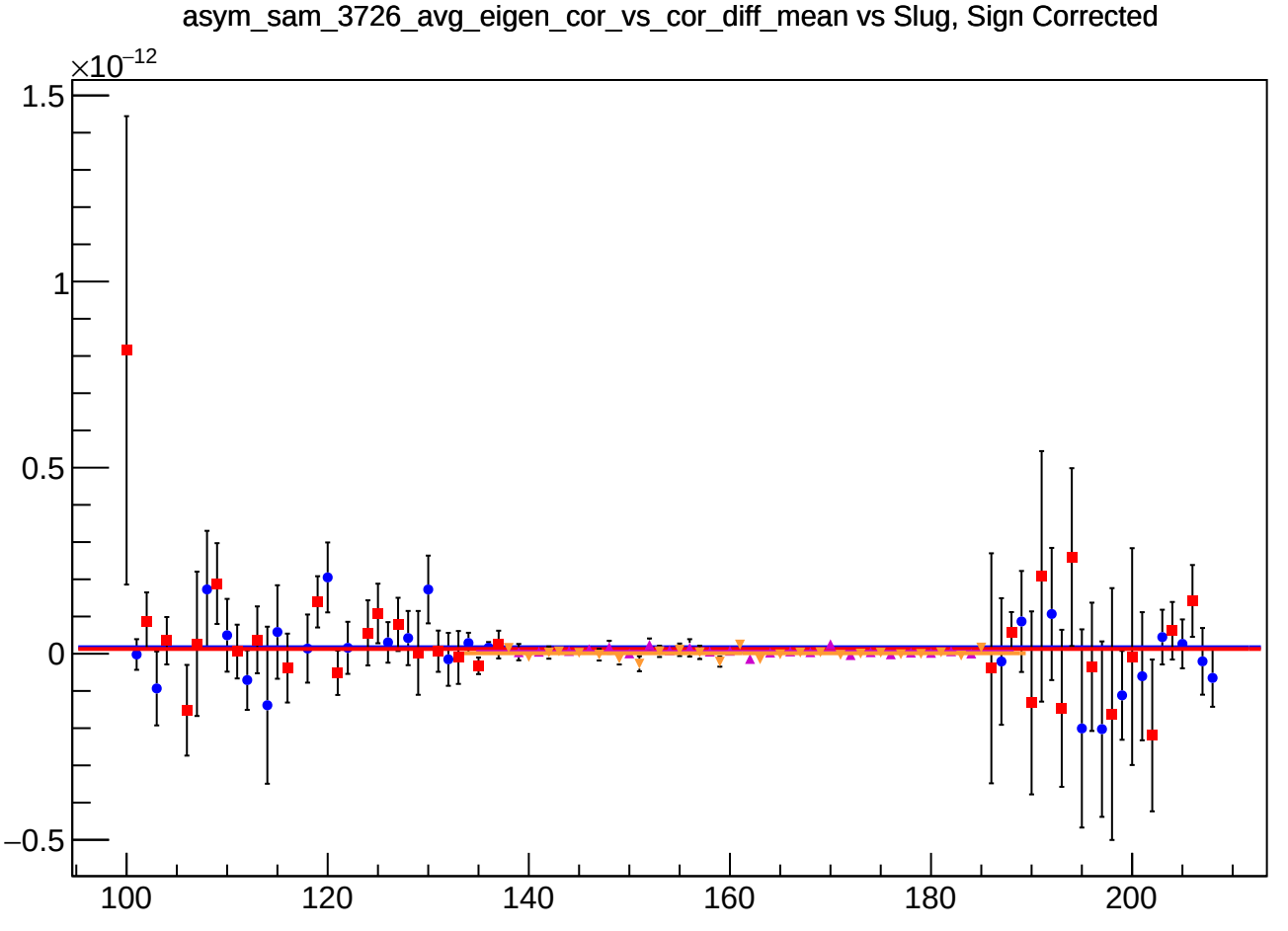
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 48.503+/-0.007 χ^2/NDF: 5790525.0/57

In: 43.558+/-0.006 χ^2/NDF:5337255.1/49

Out: 44.902+/-0.006 χ^2/NDF:6987445.7/55

All: 44.218+/-0.004 χ^2/NDF: 12351938.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

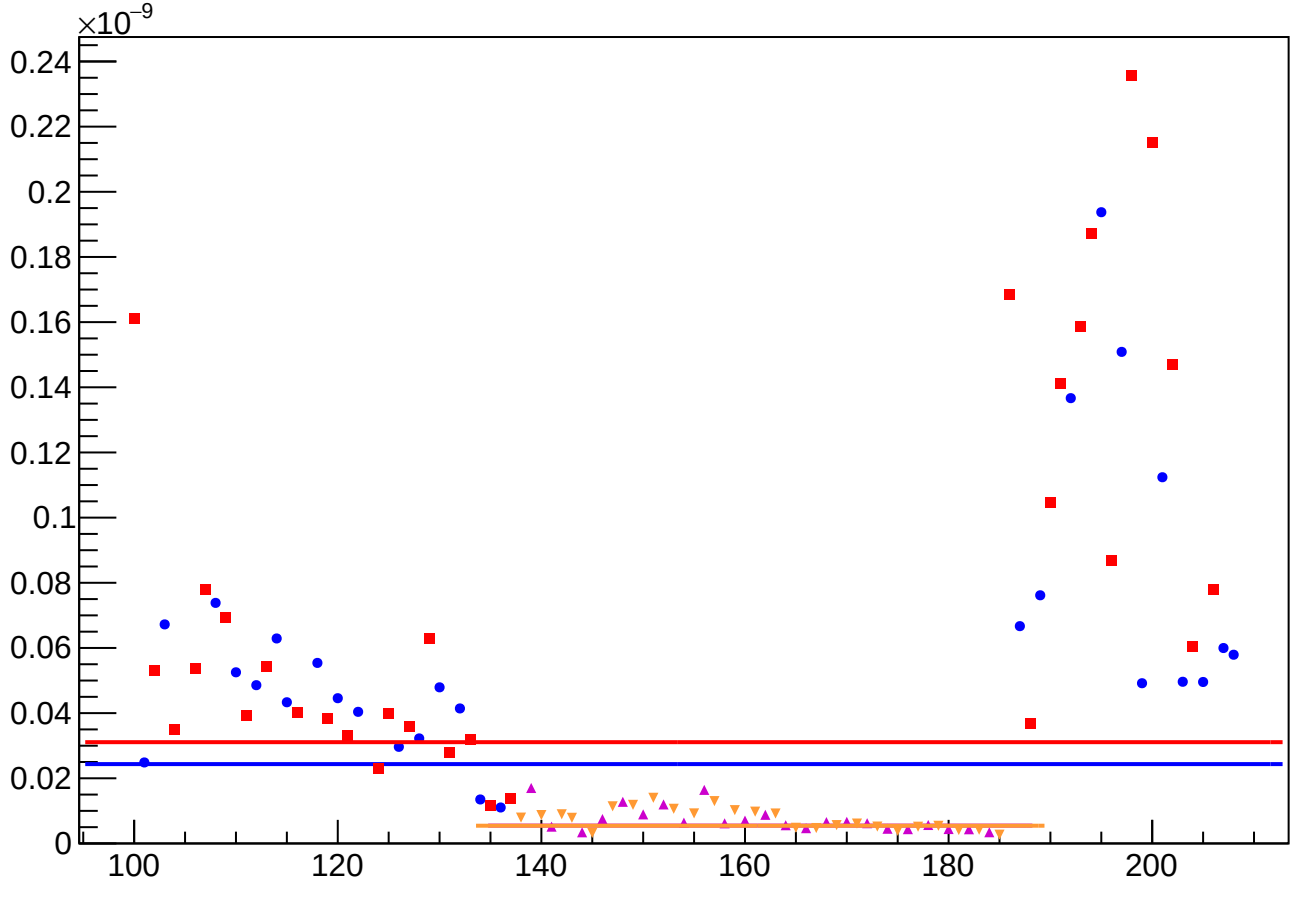
Right: 0.000+/-0.000 χ^2/NDF: 42.6/57

In: 0.000+/-0.000 χ^2/NDF:31.3/49

Out: 0.000+/-0.000 χ^2/NDF:46.2/55

All: 0.000+/-0.000 χ^2/NDF: 79.9/105

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8029782.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8571877.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

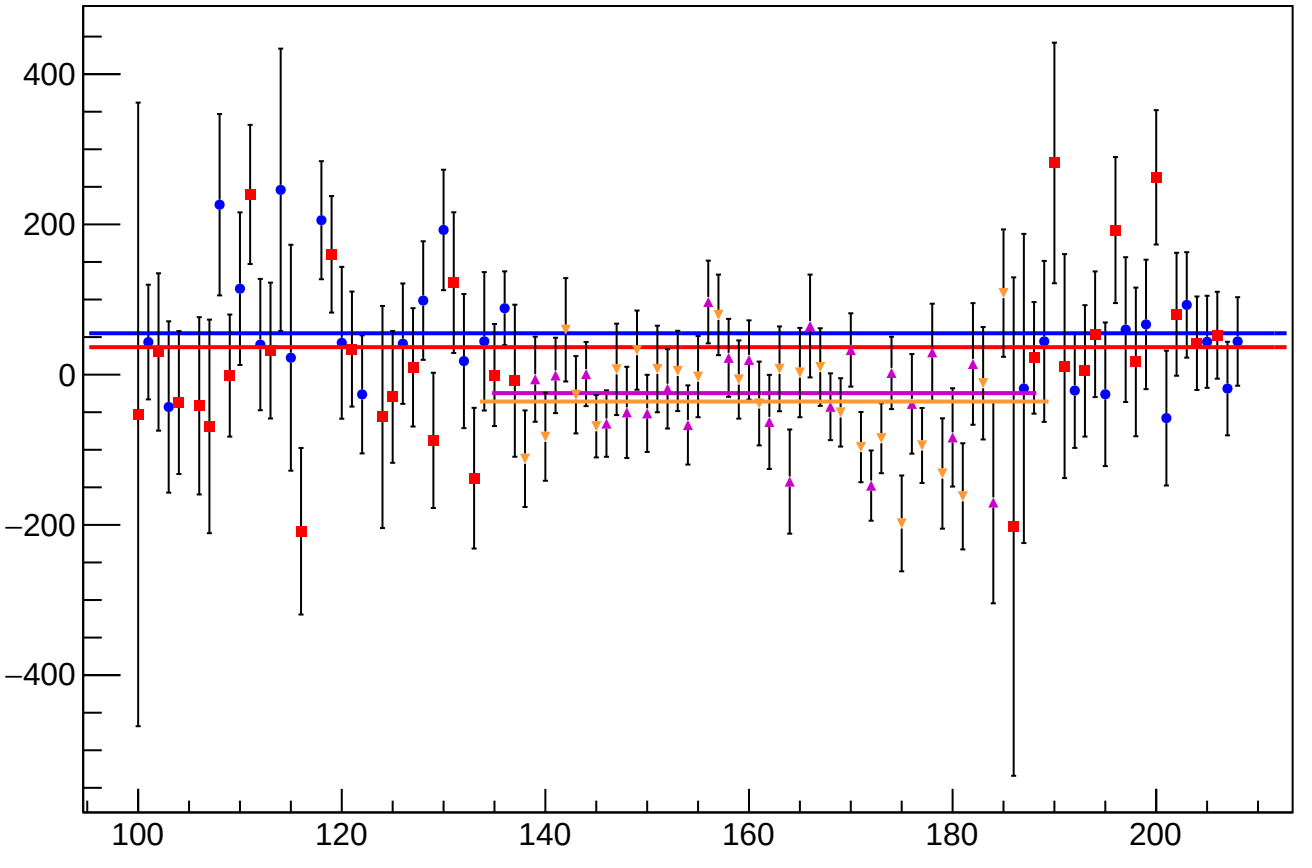
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16930042.6/57

In: 0.000+/-0.000 χ^2/NDF:17042776.8/49

Out: 0.000+/-0.000 χ^2/NDF:20217222.8/55

All: 0.000+/-0.000 χ^2/NDF: 37263363.9/105



Right In: 55.074+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 36.574+/-16.380 χ^2/NDF: 34.4/30

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

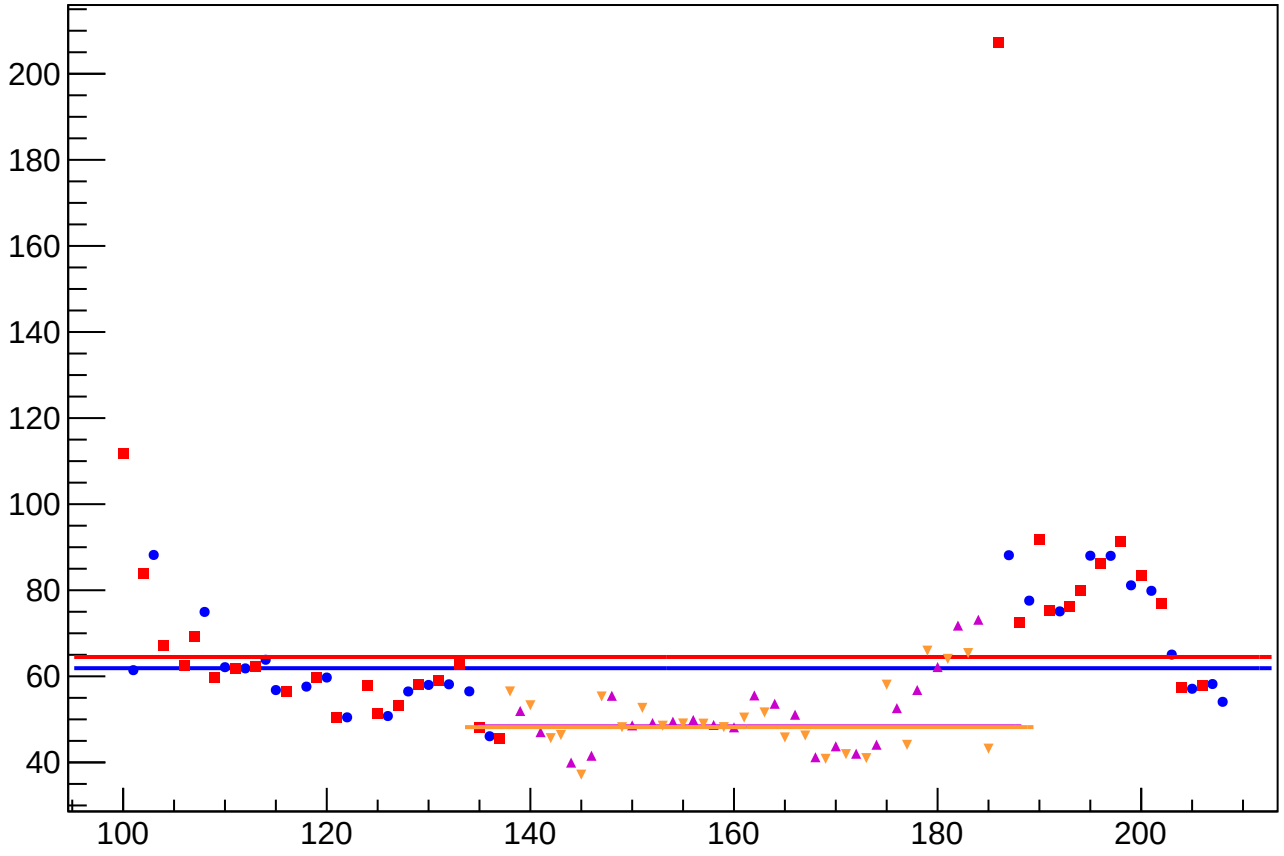
Right: 46.083+/-11.419 χ^2/NDF: 53.1/57

In: 2.632+/-9.308 χ^2/NDF:60.3/49

Out: -12.960+/-9.200 χ^2/NDF:81.4/55

All: -5.255+/-6.543 χ^2/NDF: 143.2/105

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.891+/-0.011 χ^2/NDF: 1121741.5/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.495+/-0.012 χ^2/NDF: 1487486.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

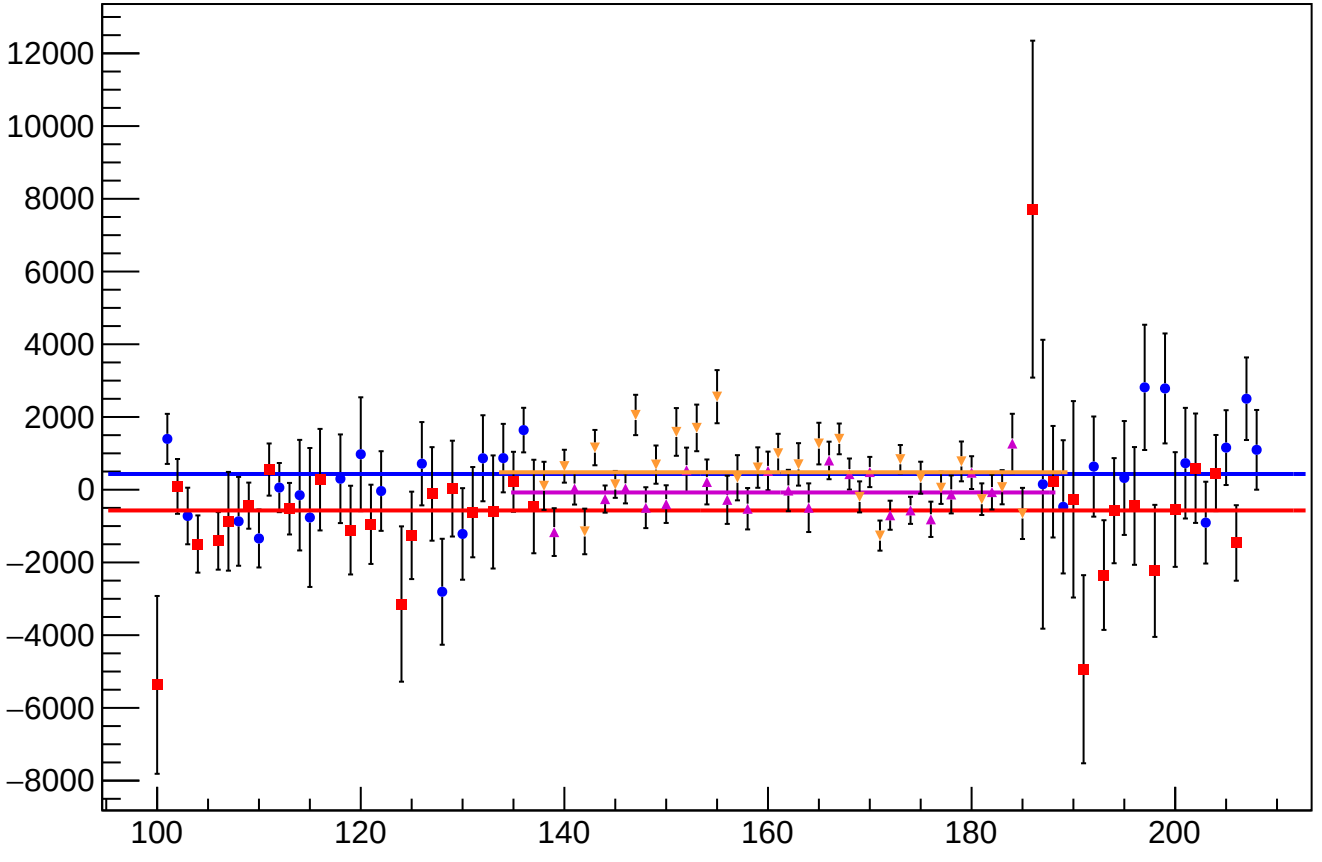
Right: 63.156+/-0.008 χ^2/NDF: 2635214.0/57

In: 52.995+/-0.007 χ^2/NDF:2764693.9/49

Out: 53.339+/-0.007 χ^2/NDF:3622978.2/55

All: 53.169+/-0.005 χ^2/NDF: 6389055.1/105

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 432.478+/-208.373 χ^2/NDF: 32.6/26

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -570.357+/-202.396 χ^2/NDF: 24.3/30

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

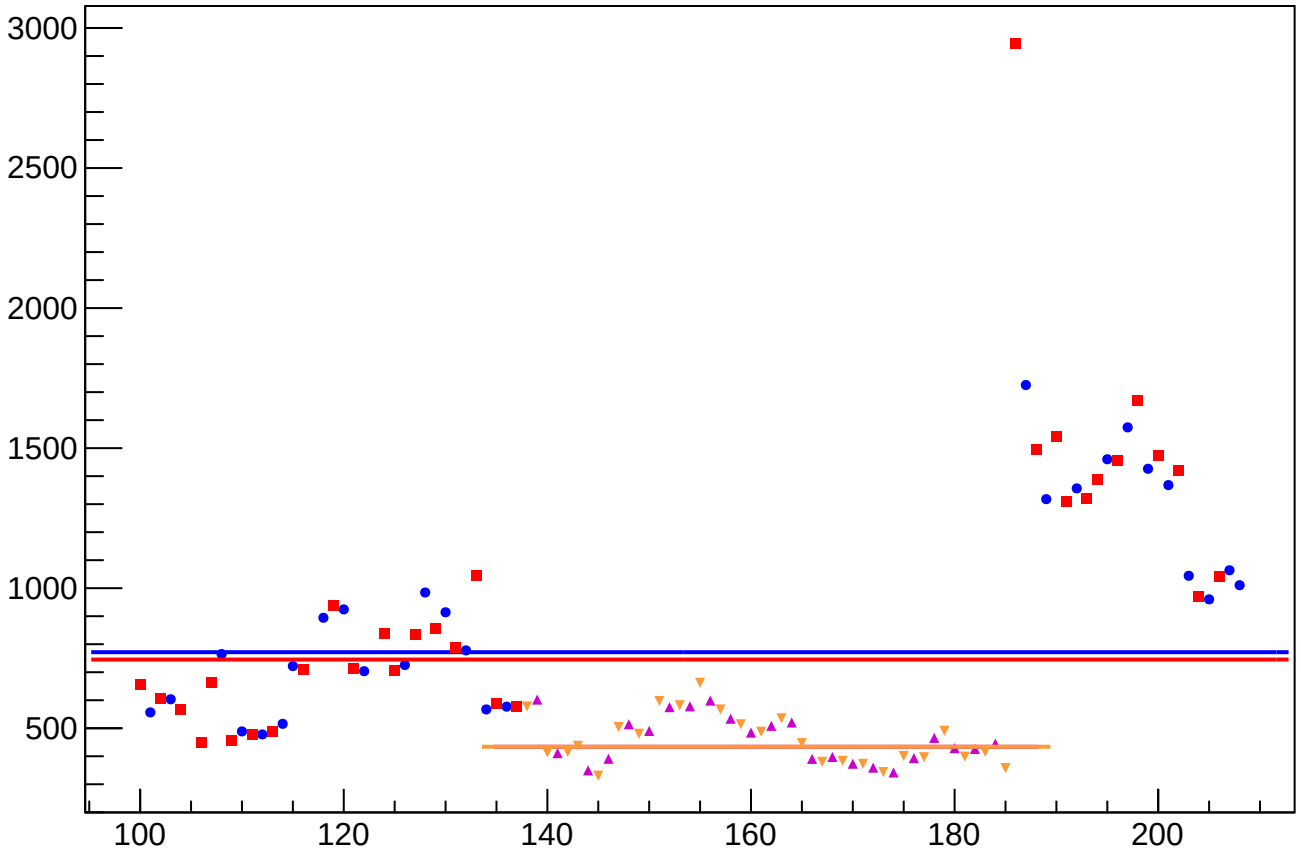
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -83.526+/-145.183 χ^2/NDF: 68.8/57

In: 24.316+/-92.428 χ^2/NDF:61.8/49

Out: 272.334+/-90.032 χ^2/NDF:115.1/55

All: 151.581+/-64.493 χ^2/NDF: 180.6/105



Right In: 771.490+/-0.147 χ^2/NDF: 3960451.2/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 745.208+/-0.143 χ^2/NDF: 5560864.4/30

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

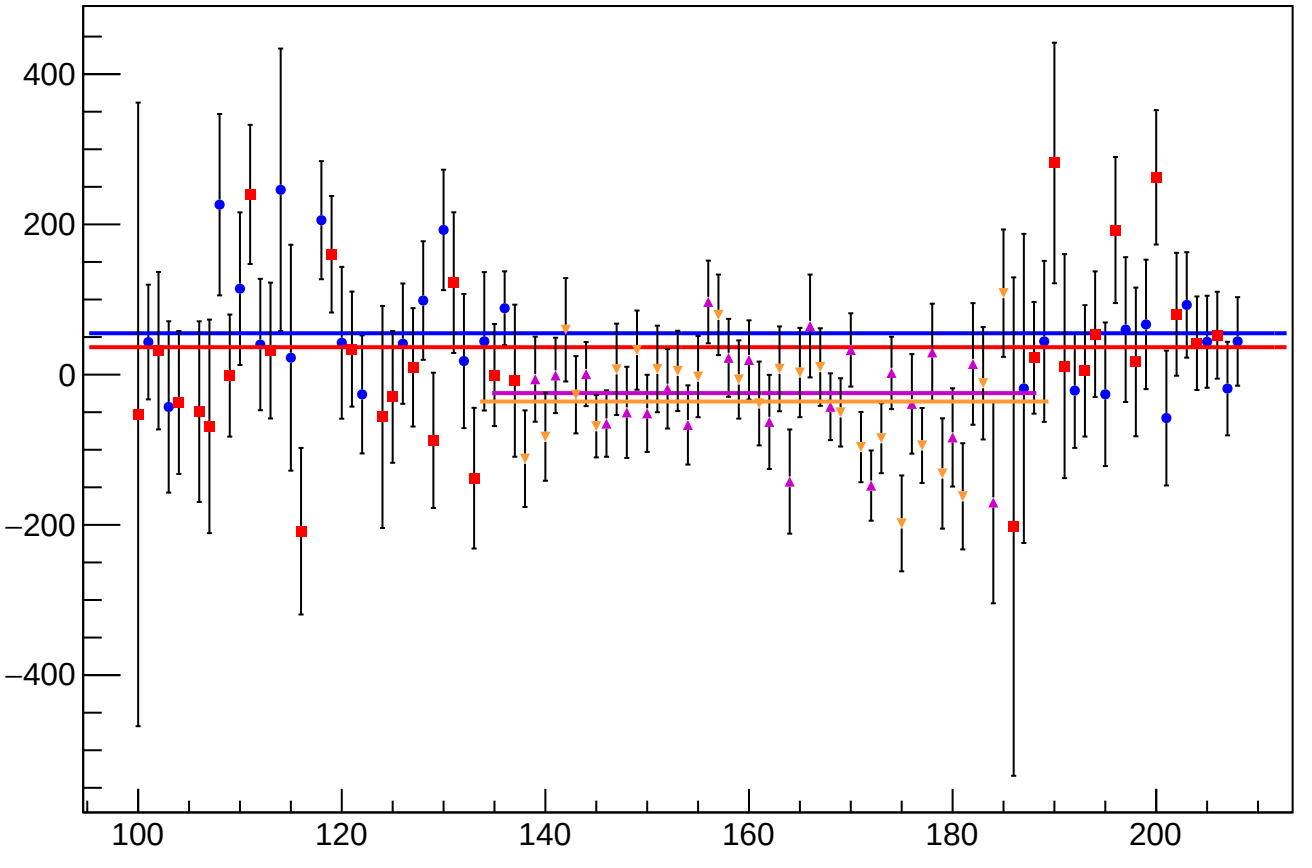
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 757.967+/-0.103 χ^2/NDF: 9537688.0/57

In: 500.179+/-0.065 χ^2/NDF:9276443.5/49

Out: 495.536+/-0.064 χ^2/NDF:10598768.4/55

All: 497.797+/-0.046 χ^2/NDF: 19877801.4/10



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 36.527+/-16.386 χ^2/NDF: 34.4/30

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

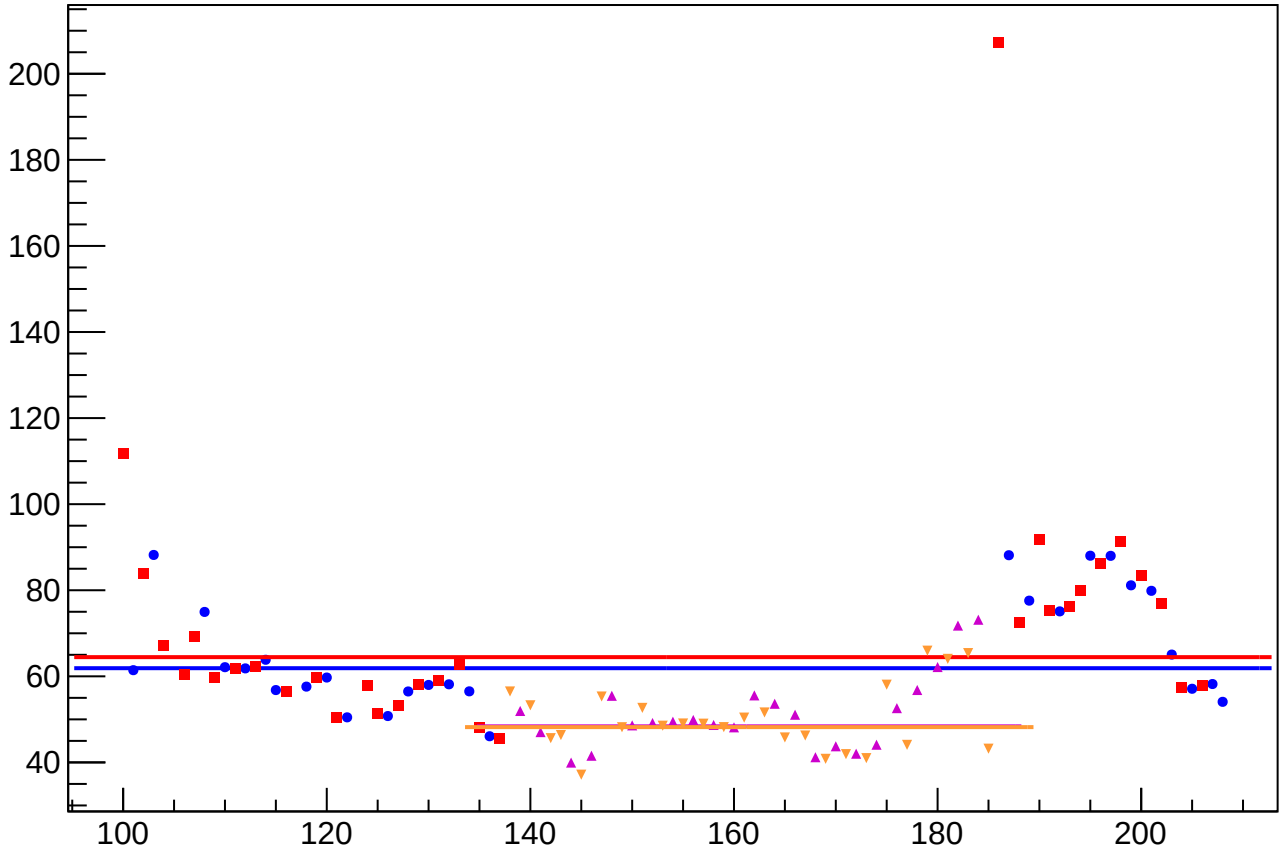
Right: 46.066+/-11.421 χ^2/NDF: 53.2/57

In: 2.633+/-9.308 χ^2/NDF:60.3/49

Out: -12.990+/-9.201 χ^2/NDF:81.5/55

All: -5.269+/-6.544 χ^2/NDF: 143.2/105

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

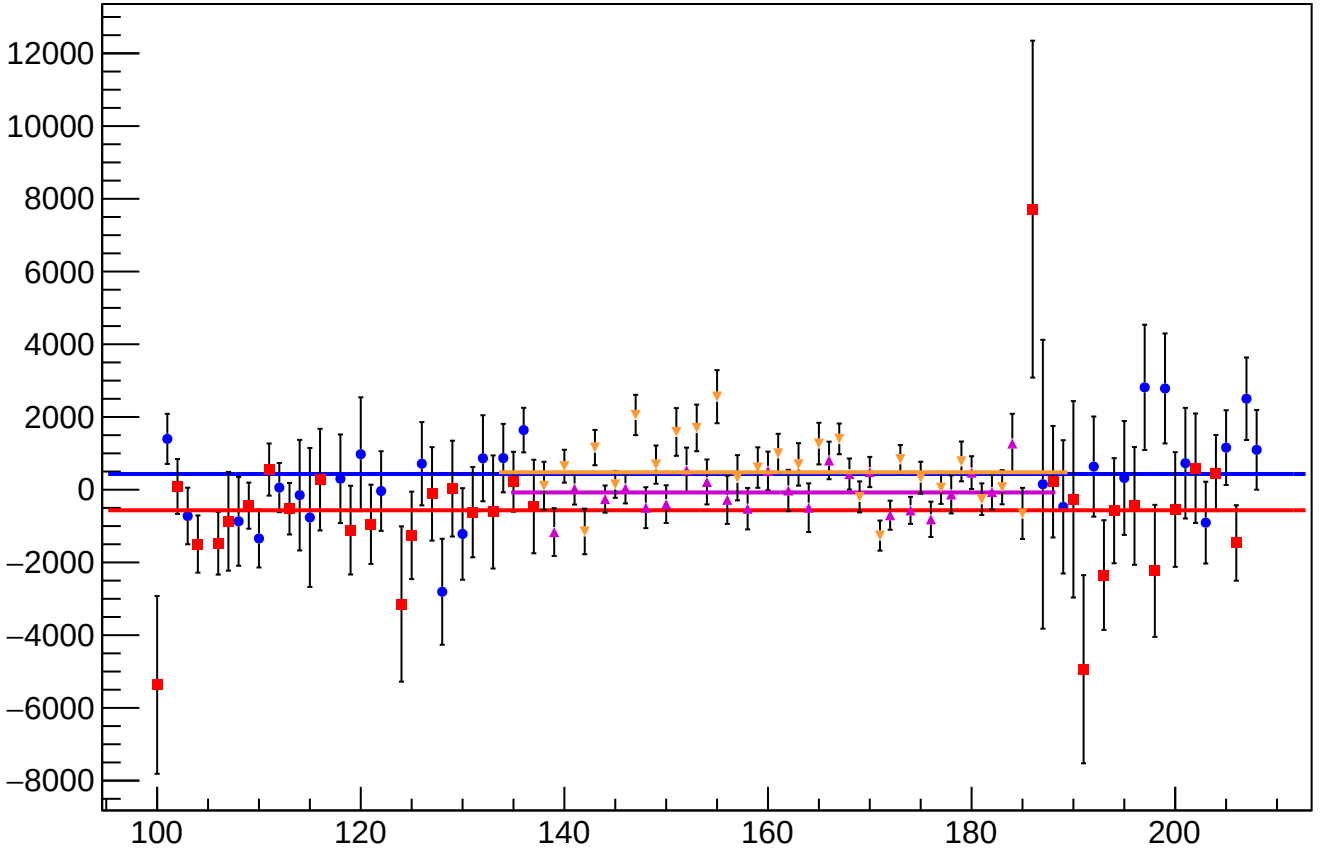
Right: 63.138+/-0.008 χ^2/NDF: 2636386.0/57

In: 52.995+/-0.007 χ^2/NDF:2764697.8/49

Out: 53.325+/-0.007 χ^2/NDF:3618219.4/55

All: 53.162+/-0.005 χ^2/NDF: 6384190.7/105

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -565.365+/-203.462 χ^2/NDF: 24.2/30

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

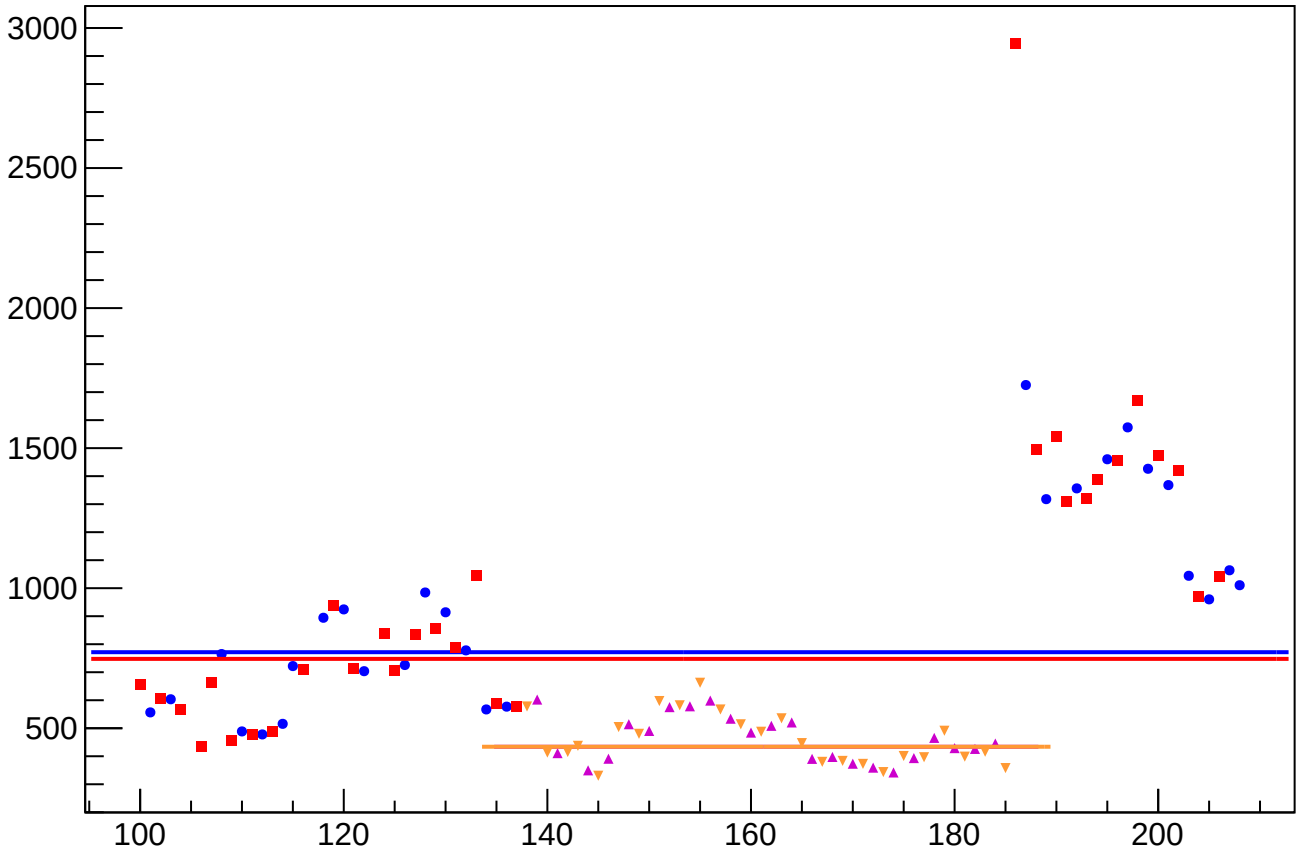
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -78.327+/-145.575 χ^2/NDF: 68.6/57

In: 24.319+/-92.428 χ^2/NDF:61.8/49

Out: 275.056+/-90.125 χ^2/NDF:114.7/55

All: 152.849+/-64.527 χ^2/NDF: 180.3/105



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

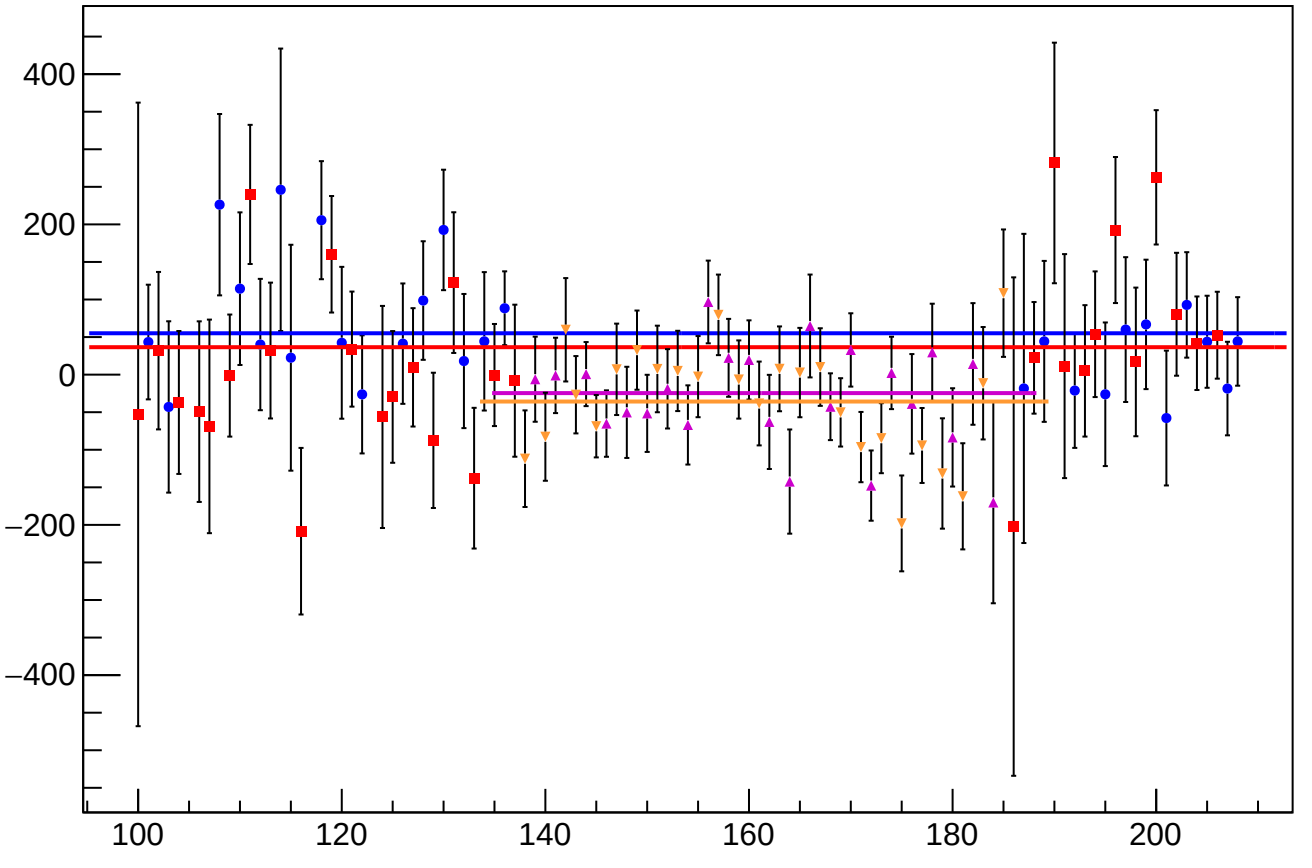
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 759.276+/-0.103 χ^2/NDF: 9510746.7/57

In: 500.180+/-0.065 χ^2/NDF:9276464.6/49

Out: 495.493+/-0.064 χ^2/NDF:10601666.2/55

All: 497.777+/-0.046 χ^2/NDF: 19880766.1/10



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 36.527+/-16.386 χ^2/NDF: 34.4/30

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

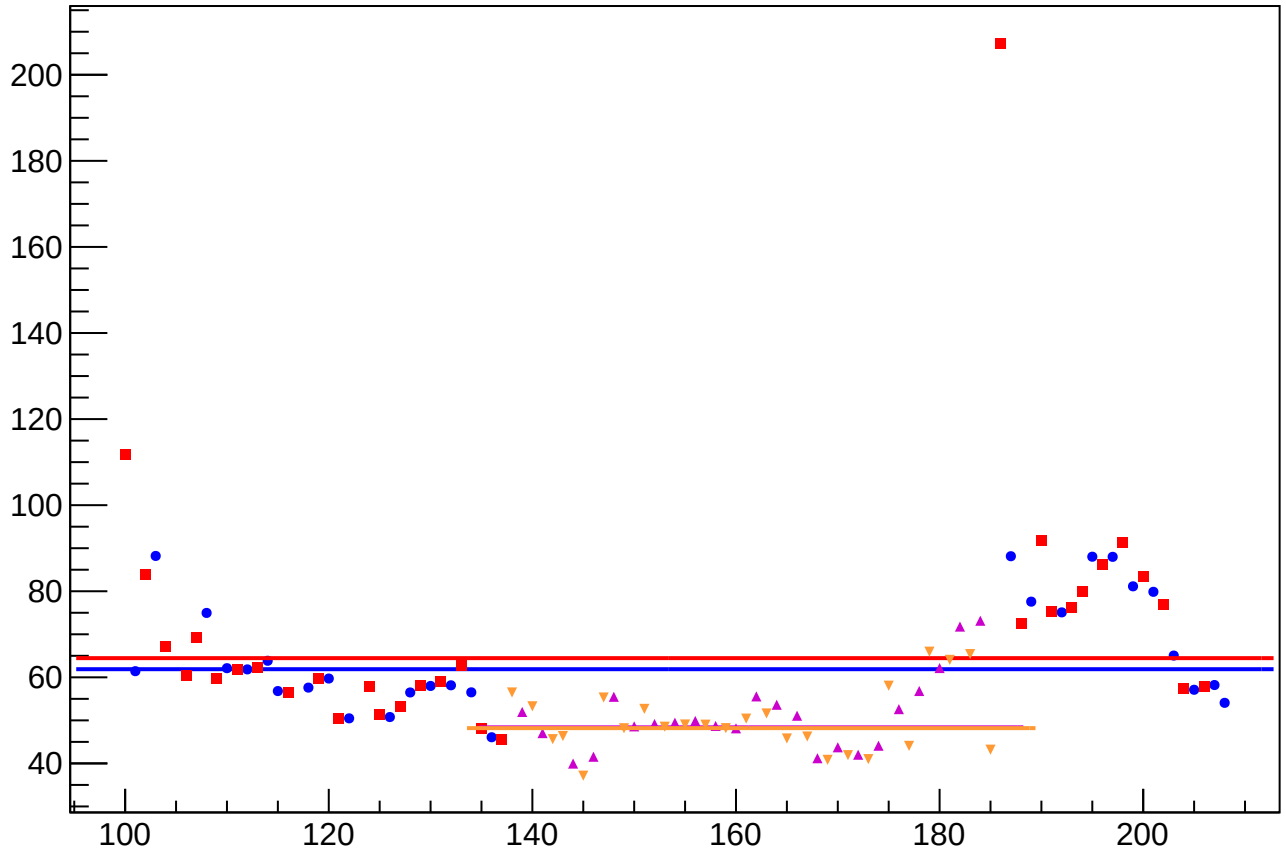
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 46.066+/-11.421 χ^2/NDF: 53.2/57

In: 2.633+/-9.308 χ^2/NDF:60.3/49

Out: -12.990+/-9.201 χ^2/NDF:81.5/55

All: -5.269+/-6.544 χ^2/NDF: 143.2/105



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

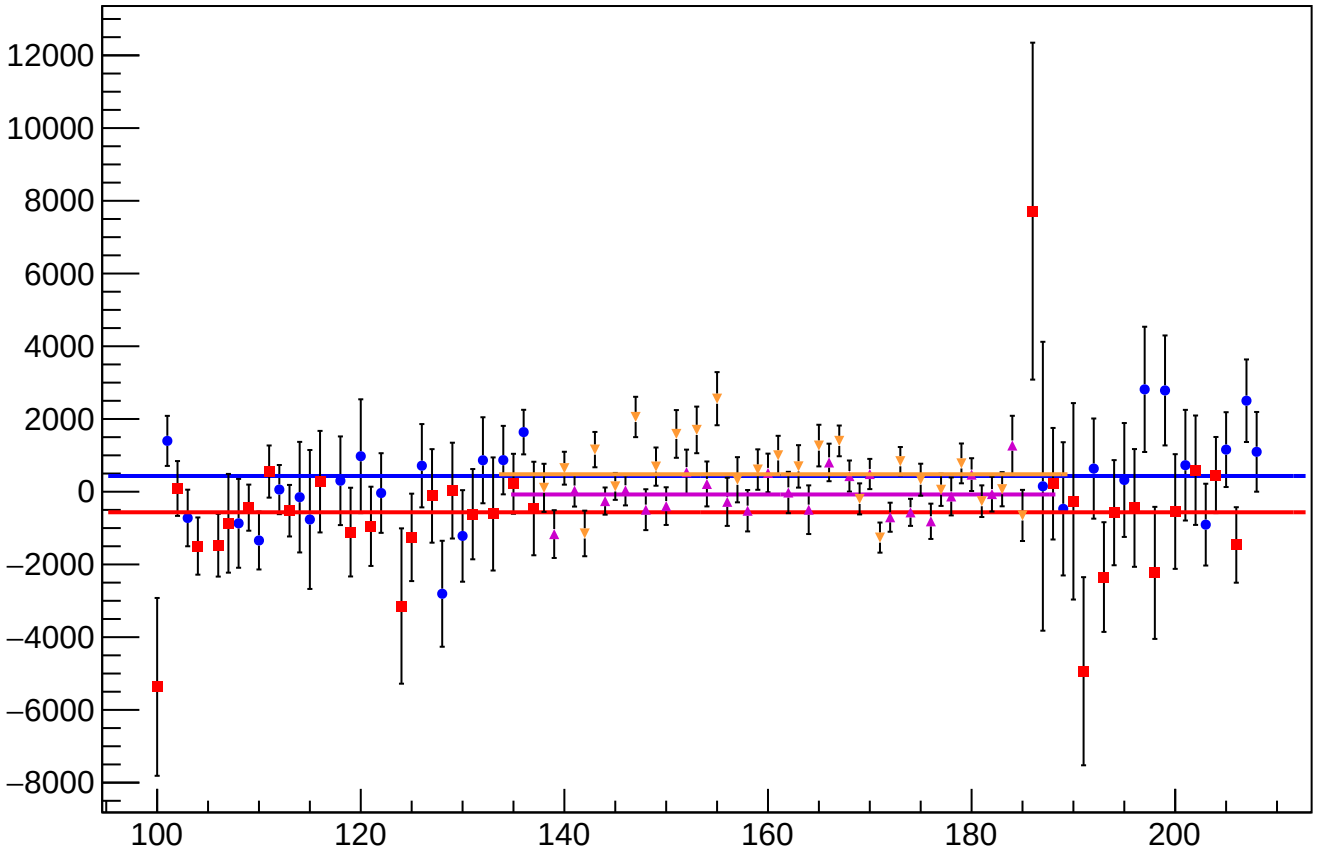
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 63.138+/-0.008 χ^2/NDF: 2636386.0/57

In: 52.995+/-0.007 χ^2/NDF:2764697.8/49

Out: 53.325+/-0.007 χ^2/NDF:3618219.4/55

All: 53.162+/-0.005 χ^2/NDF: 6384190.7/105



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -565.365+/-203.462 χ^2/NDF: 24.2/30

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

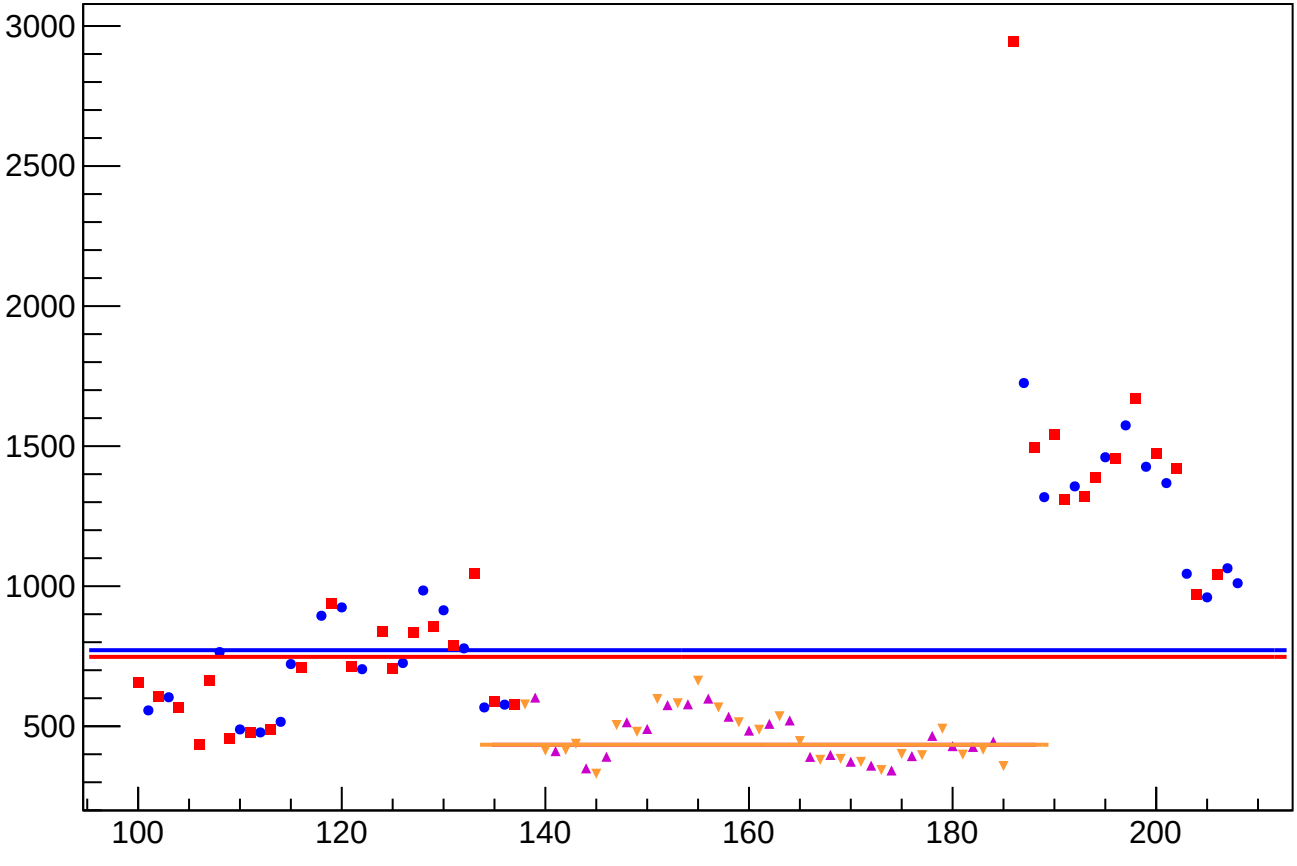
Right: -78.327+/-145.575 χ^2/NDF: 68.6/57

In: 24.319+/-92.428 χ^2/NDF:61.8/49

Out: 275.056+/-90.125 χ^2/NDF:114.7/55

All: 152.849+/-64.527 χ^2/NDF: 180.3/105

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

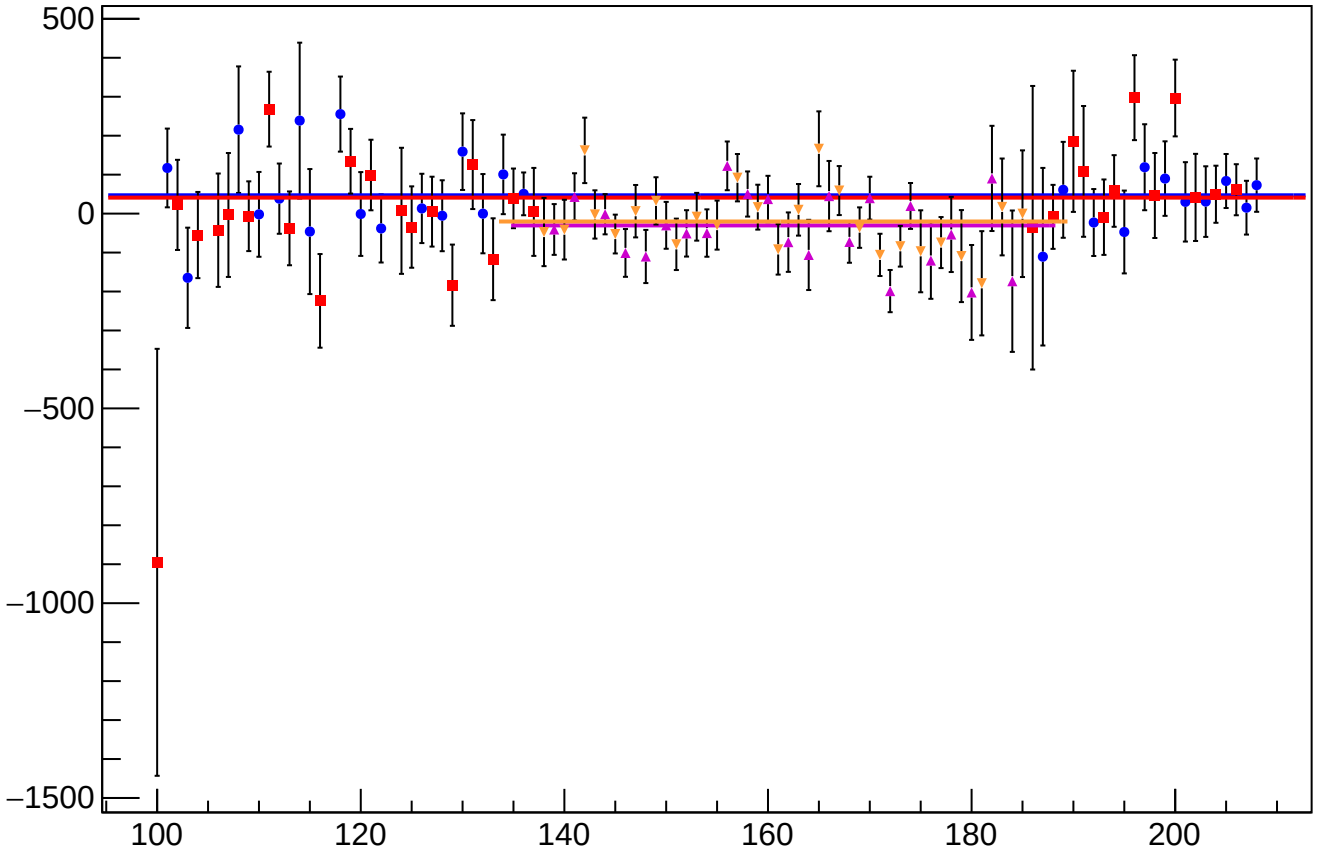
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 759.276+/-0.103 χ^2/NDF: 9510746.7/57

In: 500.180+/-0.065 χ^2/NDF:9276464.6/49

Out: 495.493+/-0.064 χ^2/NDF:10601666.2/55

All: 497.777+/-0.046 χ^2/NDF: 19880766.1/10



Right In: 47.017+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 41.037+/-18.546 χ^2/NDF: 39.4/30

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

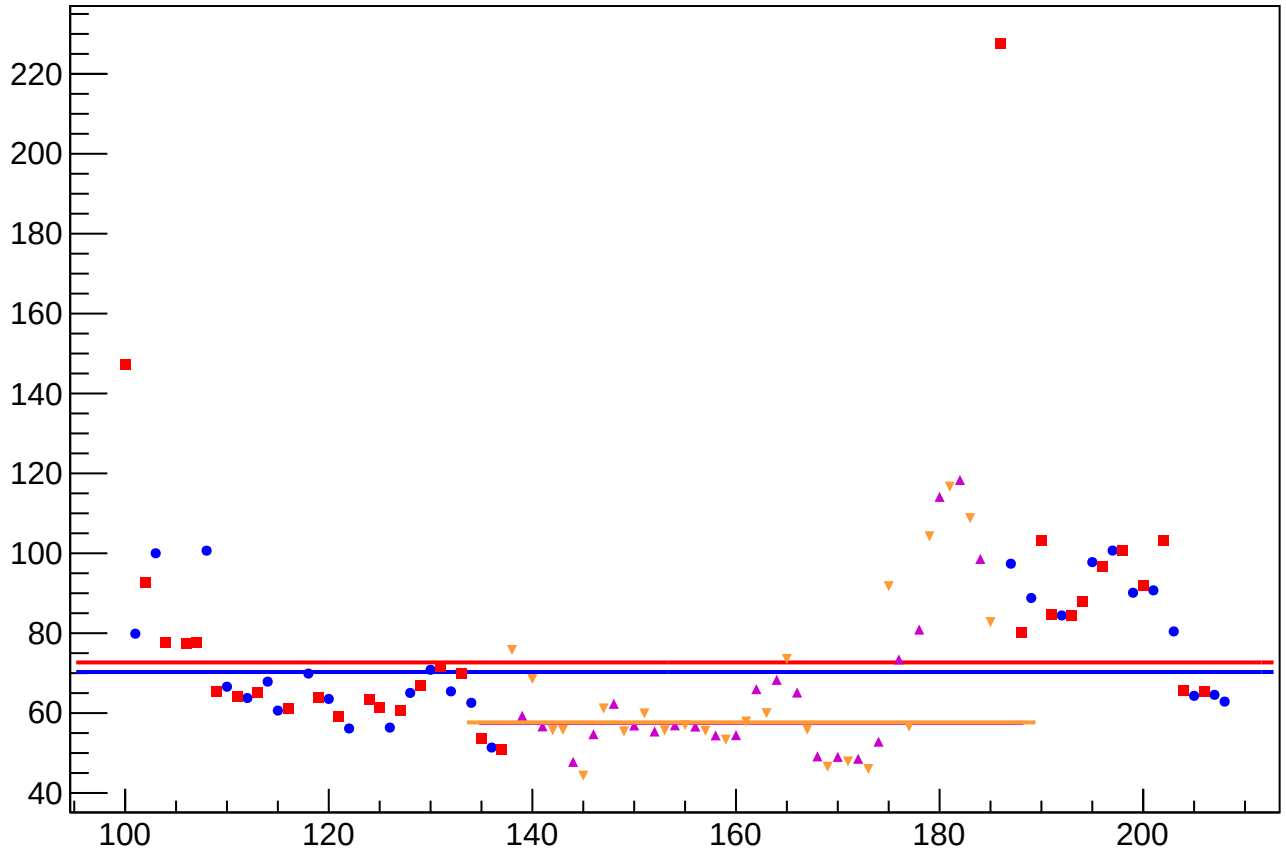
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 44.082+/-12.992 χ^2/NDF: 56.6/57

In: -1.635+/-11.087 χ^2/NDF:61.0/49

Out: 1.243+/-10.986 χ^2/NDF:71.7/55

All: -0.182+/-7.804 χ^2/NDF: 132.7/105



Right In: 70.284+/-0.013 χ^2/NDF: 1240841.0/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.679+/-0.013 χ^2/NDF: 1530205.2/30

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

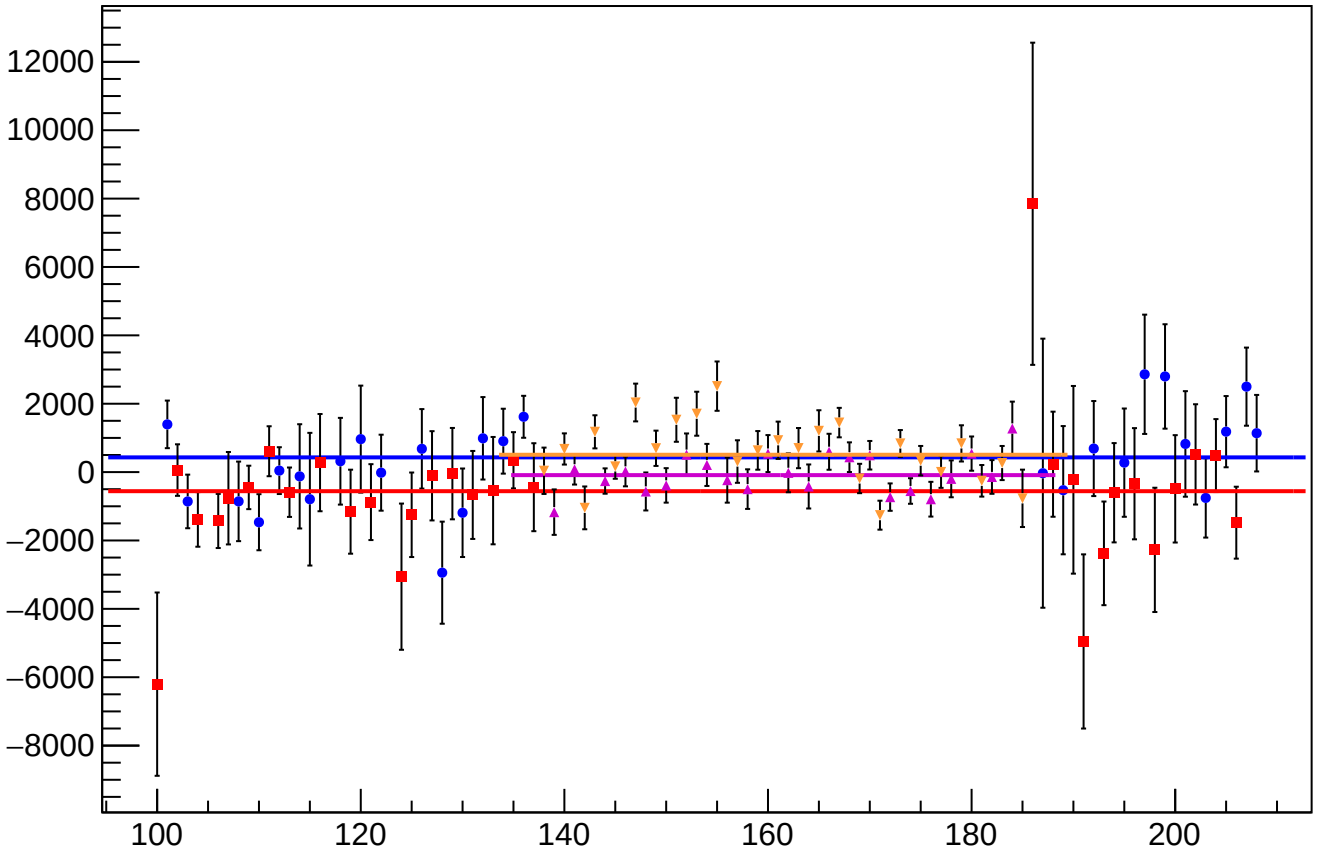
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 71.459+/-0.009 χ^2/NDF: 2788040.1/57

In: 62.266+/-0.008 χ^2/NDF:3300672.0/49

Out: 62.936+/-0.008 χ^2/NDF:4290391.8/55

All: 62.604+/-0.006 χ^2/NDF: 7594742.7/105



Right In: 430.529+/-210.842 χ^2/NDF: 33.2/26

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -558.222+/-204.318 χ^2/NDF: 24.9/30

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

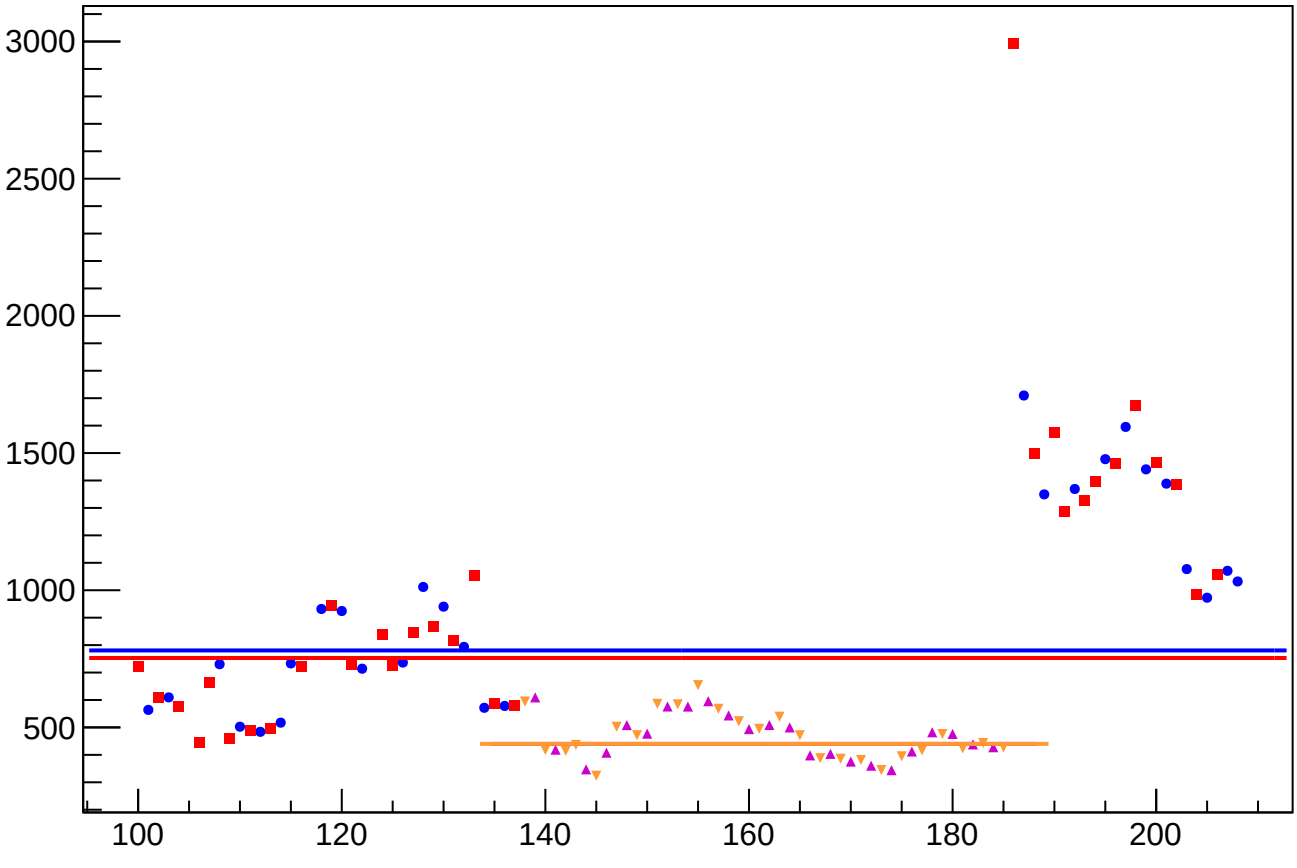
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -79.382+/-146.727 χ^2/NDF: 69.4/57

In: 13.944+/-93.661 χ^2/NDF:61.4/49

Out: 295.368+/-91.100 χ^2/NDF:112.5/55

All: 158.556+/-65.304 χ^2/NDF: 178.5/105



Right In: 780.591+/-0.149 χ^2/NDF: 3997126.1/26

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 753.052+/-0.144 χ^2/NDF: 5513687.5/30

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

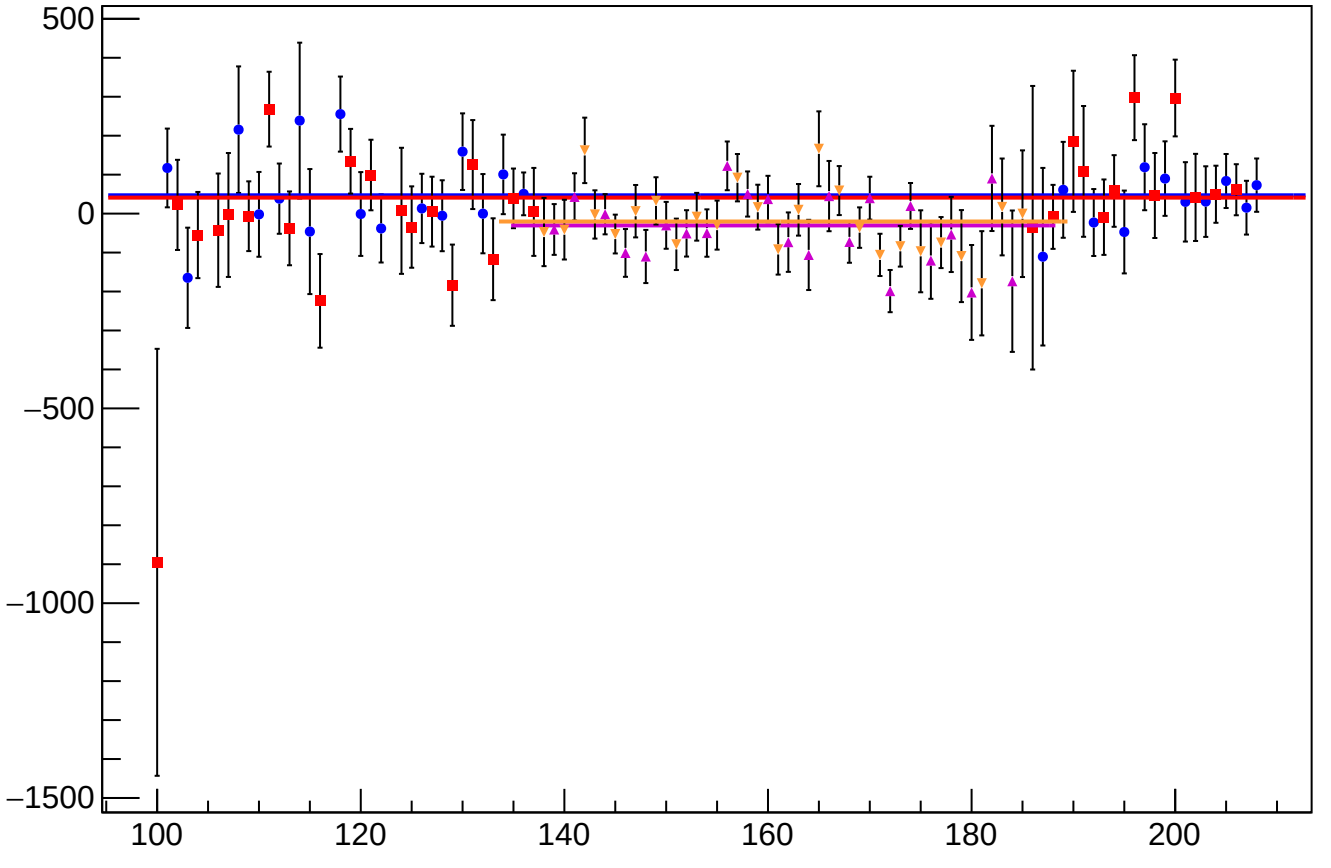
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 766.389+/-0.104 χ^2/NDF: 9528408.9/57

In: 507.111+/-0.066 χ^2/NDF:9251112.5/49

Out: 502.296+/-0.064 χ^2/NDF:10470628.1/55

All: 504.637+/-0.046 χ^2/NDF: 19724456.8/10



Right In: 47.015+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 41.037+/-18.546 χ^2/NDF: 39.4/30

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

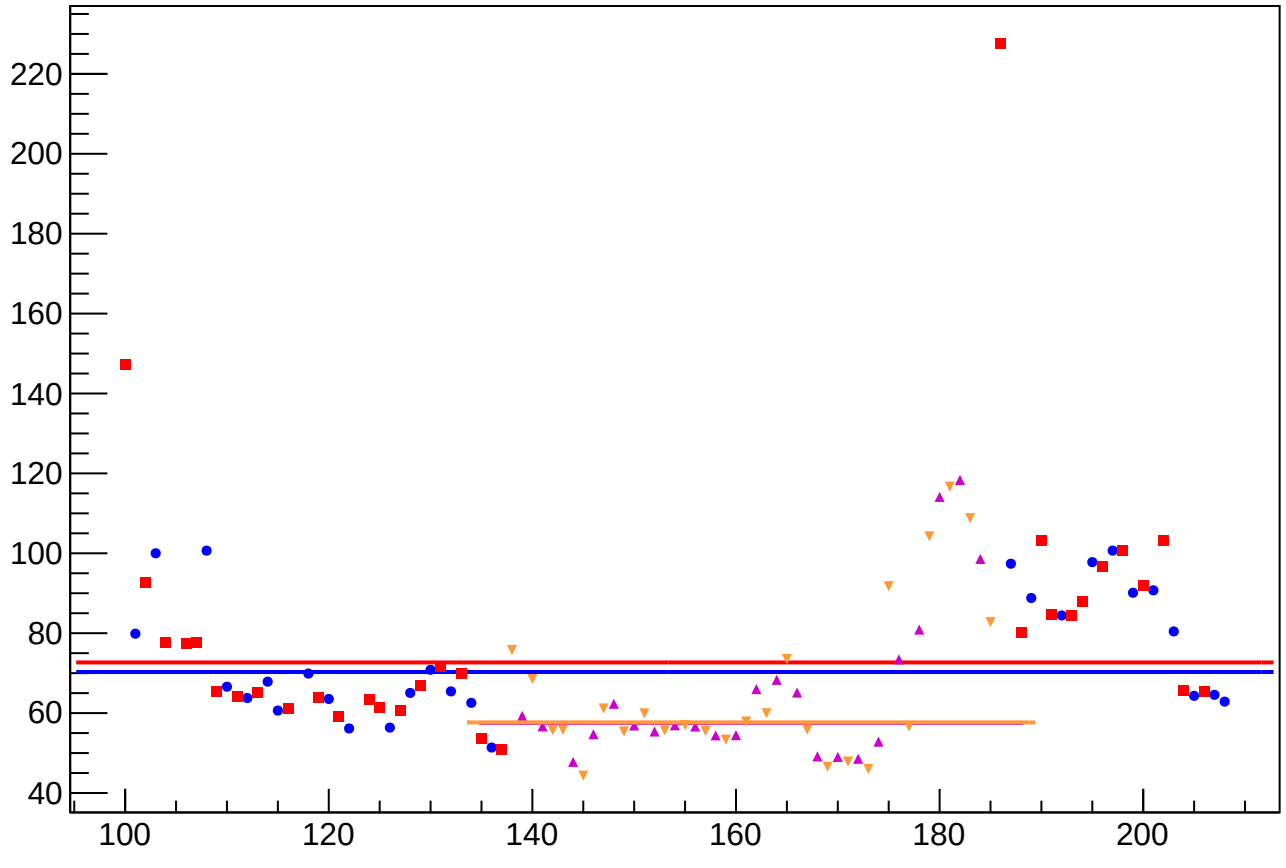
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 44.081+/-12.992 χ^2/NDF: 56.6/57

In: -1.635+/-11.087 χ^2/NDF:61.0/49

Out: 1.243+/-10.986 χ^2/NDF:71.6/55

All: -0.183+/-7.804 χ^2/NDF: 132.7/105



Right In: 70.284+/-0.013 χ^2/NDF: 1240823.5/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 72.679+/-0.013 χ^2/NDF: 1530219.8/30

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

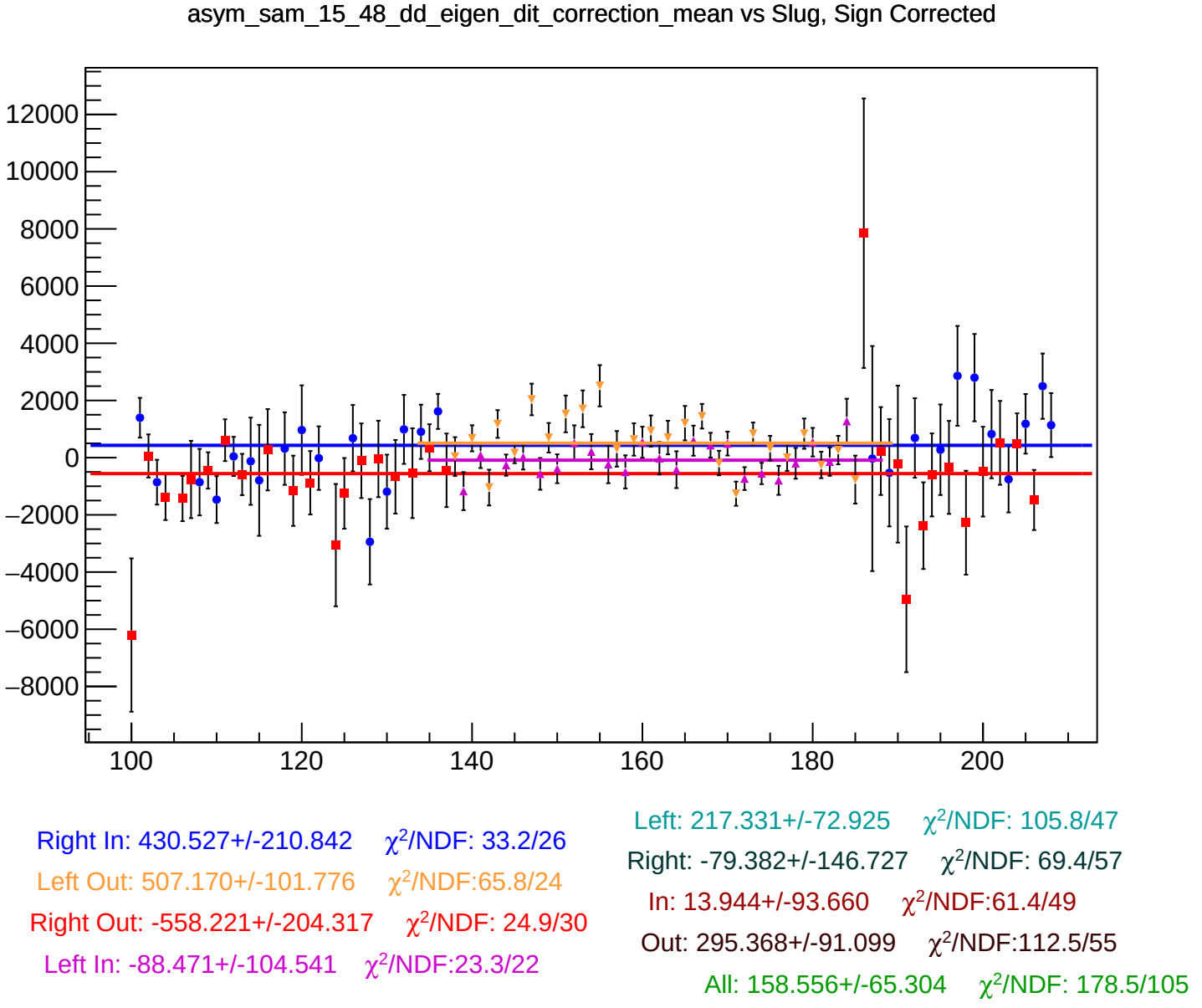
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 71.459+/-0.009 χ^2/NDF: 2788036.7/57

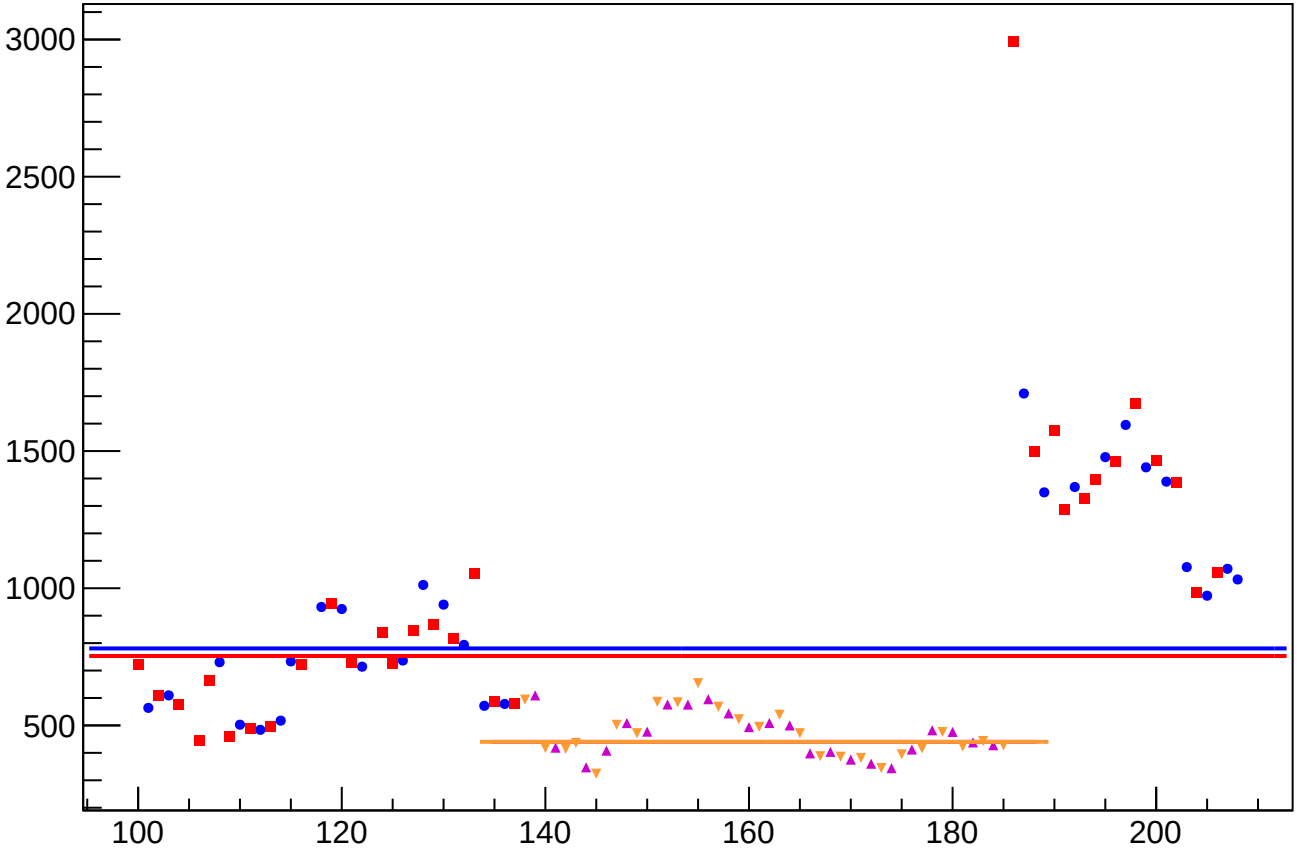
In: 62.266+/-0.008 χ^2/NDF:3300629.0/49

Out: 62.936+/-0.008 χ^2/NDF:4290380.3/55

All: 62.604+/-0.006 χ^2/NDF: 7594688.6/105


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 430.527+/-210.842 χ²/NDF: 33.2/26
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: -558.221+/-204.317 χ²/NDF: 24.9/30
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -79.382+/-146.727 χ²/NDF: 69.4/57
In: 13.944+/-93.660 χ²/NDF:61.4/49
Out: 295.368+/-91.099 χ²/NDF:112.5/55
All: 158.556+/-65.304 χ²/NDF: 178.5/105

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 780.590+/-0.149 χ^2/NDF: 3997131.5/26

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 753.051+/-0.144 χ^2/NDF: 5513690.7/30

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

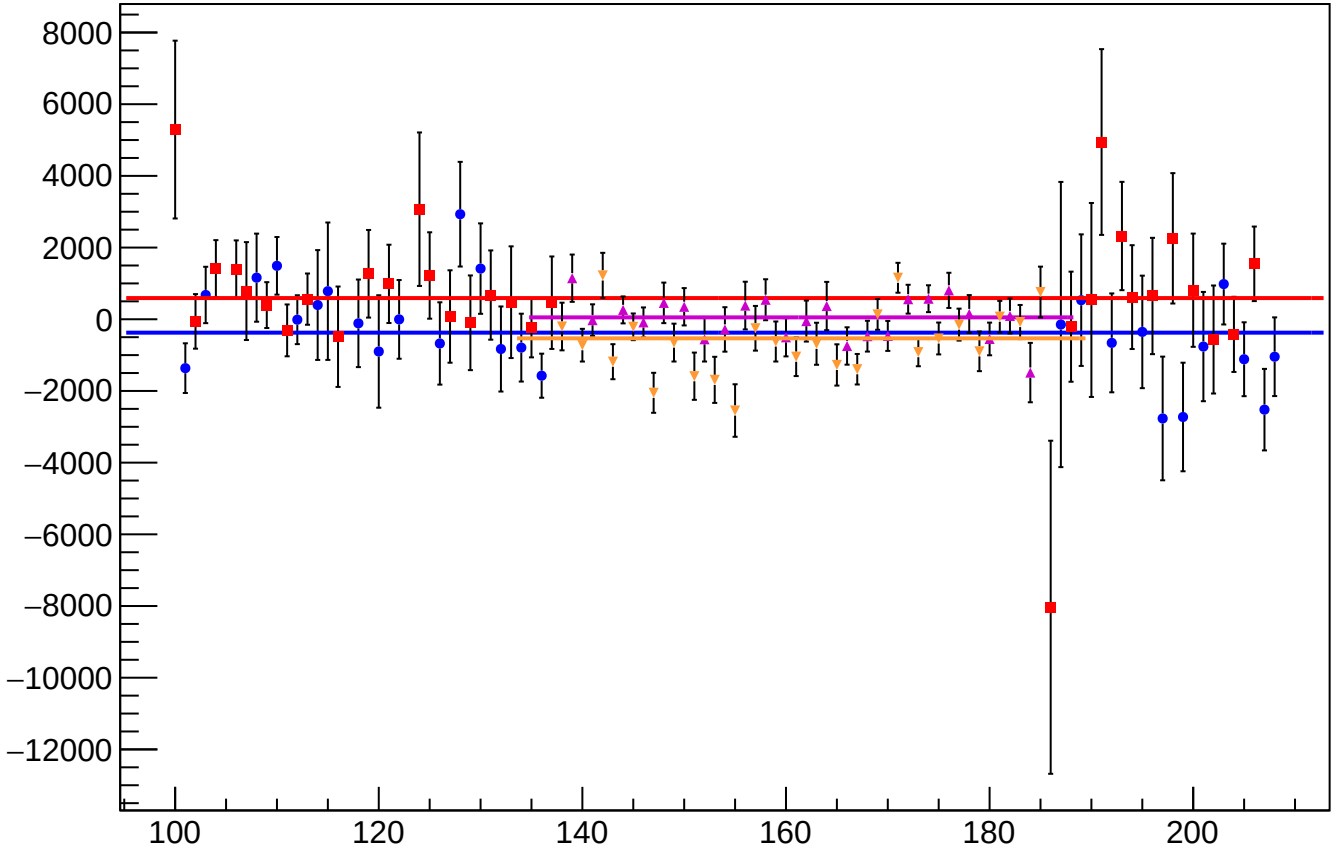
Right: 766.388+/-0.104 χ^2/NDF: 9528417.6/57

In: 507.110+/-0.066 χ^2/NDF:9251143.6/49

Out: 502.295+/-0.064 χ^2/NDF:10470654.4/55

All: 504.635+/-0.046 χ^2/NDF: 19724514.2/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -373.683+/-209.348 χ^2/NDF: 33.9/26

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 591.051+/-203.631 χ^2/NDF: 23.2/30

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

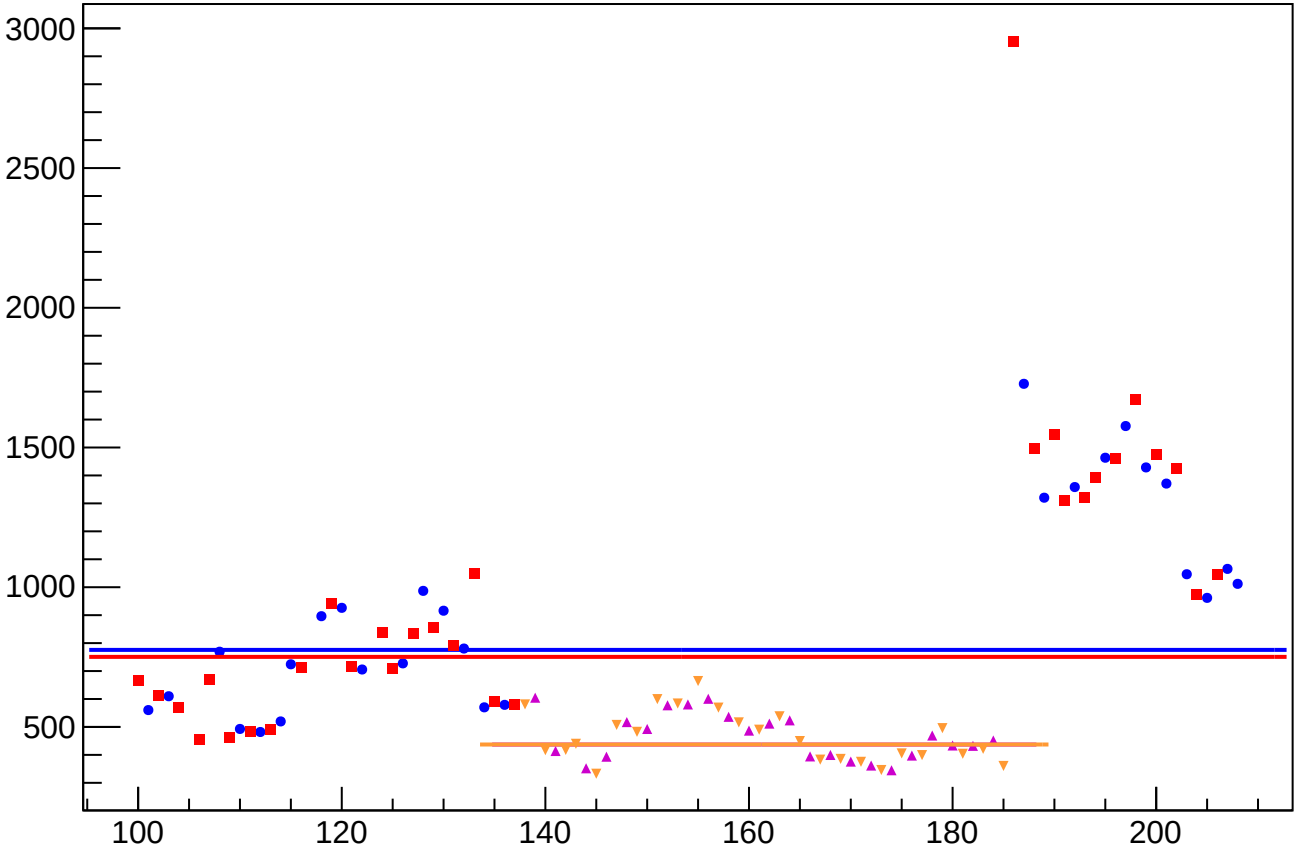
Right: 122.038+/-145.968 χ^2/NDF: 68.0/57

In: -31.647+/-93.047 χ^2/NDF:61.3/49

Out: -309.055+/-90.658 χ^2/NDF:113.2/55

All: -173.958+/-64.933 χ^2/NDF: 179.0/105

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 775.739+/-0.148 χ^2/NDF: 3916666.2/26

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 750.724+/-0.144 χ^2/NDF: 5489601.5/30

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

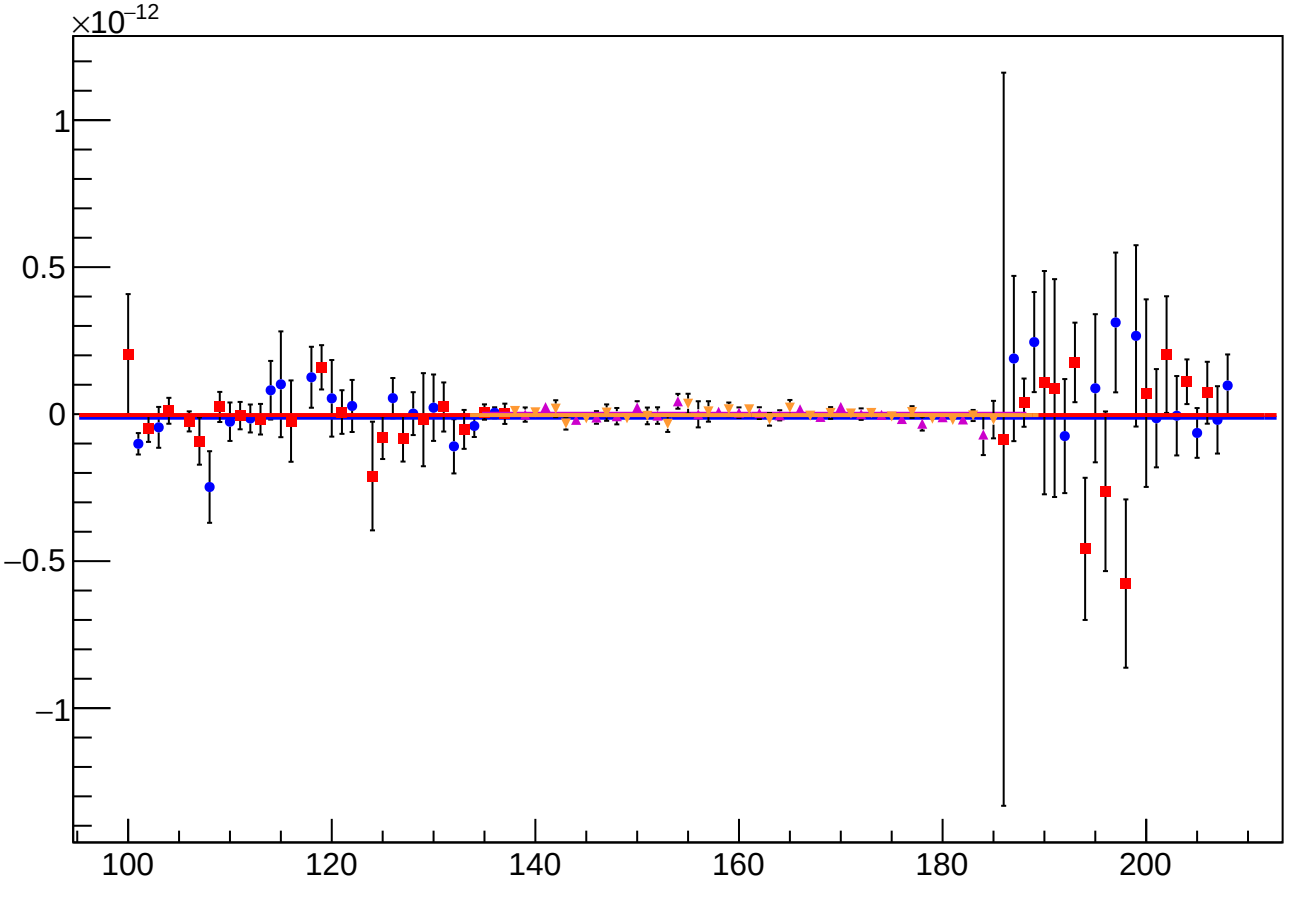
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 762.885+/-0.103 χ^2/NDF: 9420941.1/57

In: 503.866+/-0.066 χ^2/NDF:9200149.3/49

Out: 499.309+/-0.064 χ^2/NDF:10519534.0/55

All: 501.528+/-0.046 χ^2/NDF: 19722144.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

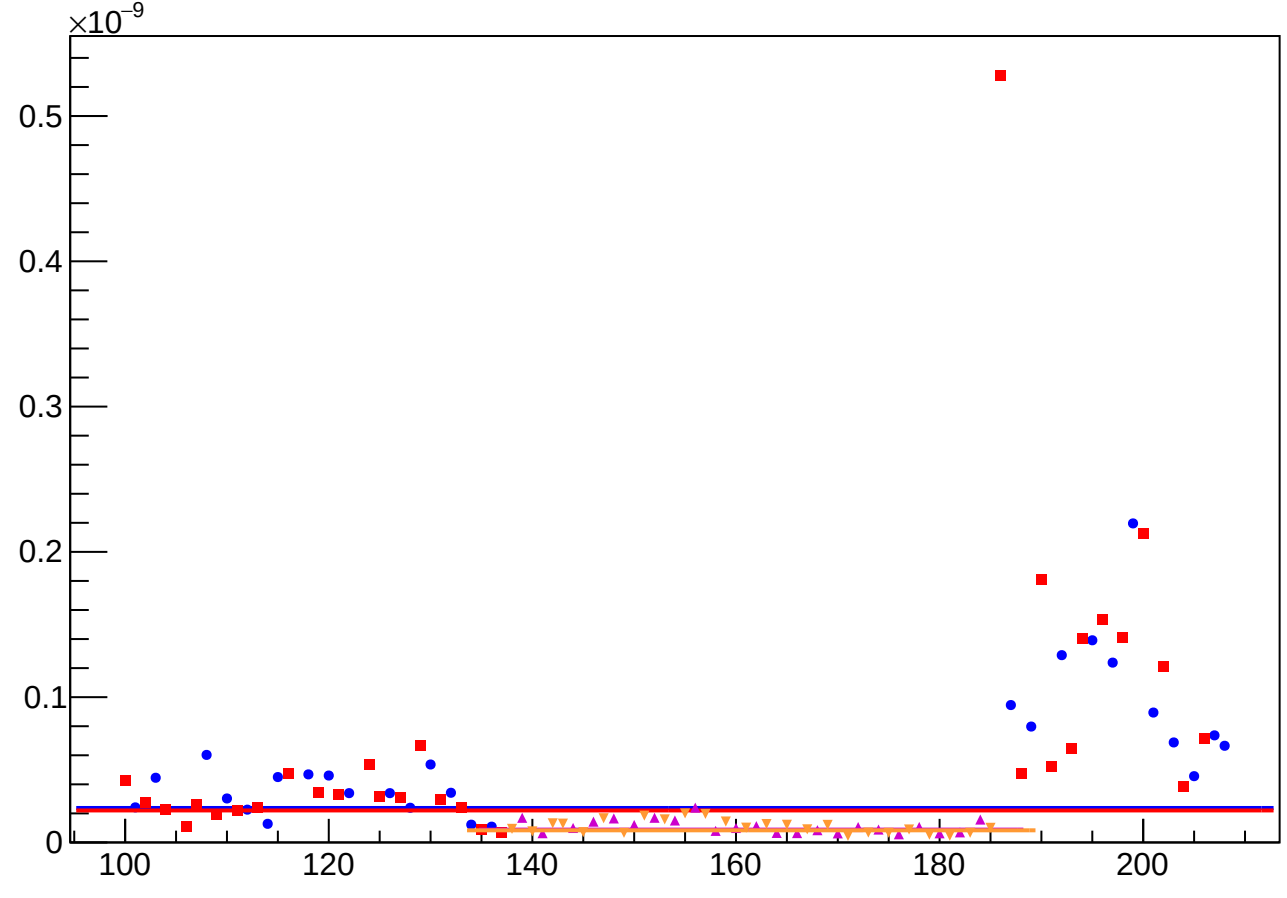
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 52.1/57

In: 0.000+/-0.000 χ^2/NDF:47.3/49

Out: -0.000+/-0.000 χ^2/NDF:41.9/55

All: -0.000+/-0.000 χ^2/NDF: 89.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 5851942.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749823.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

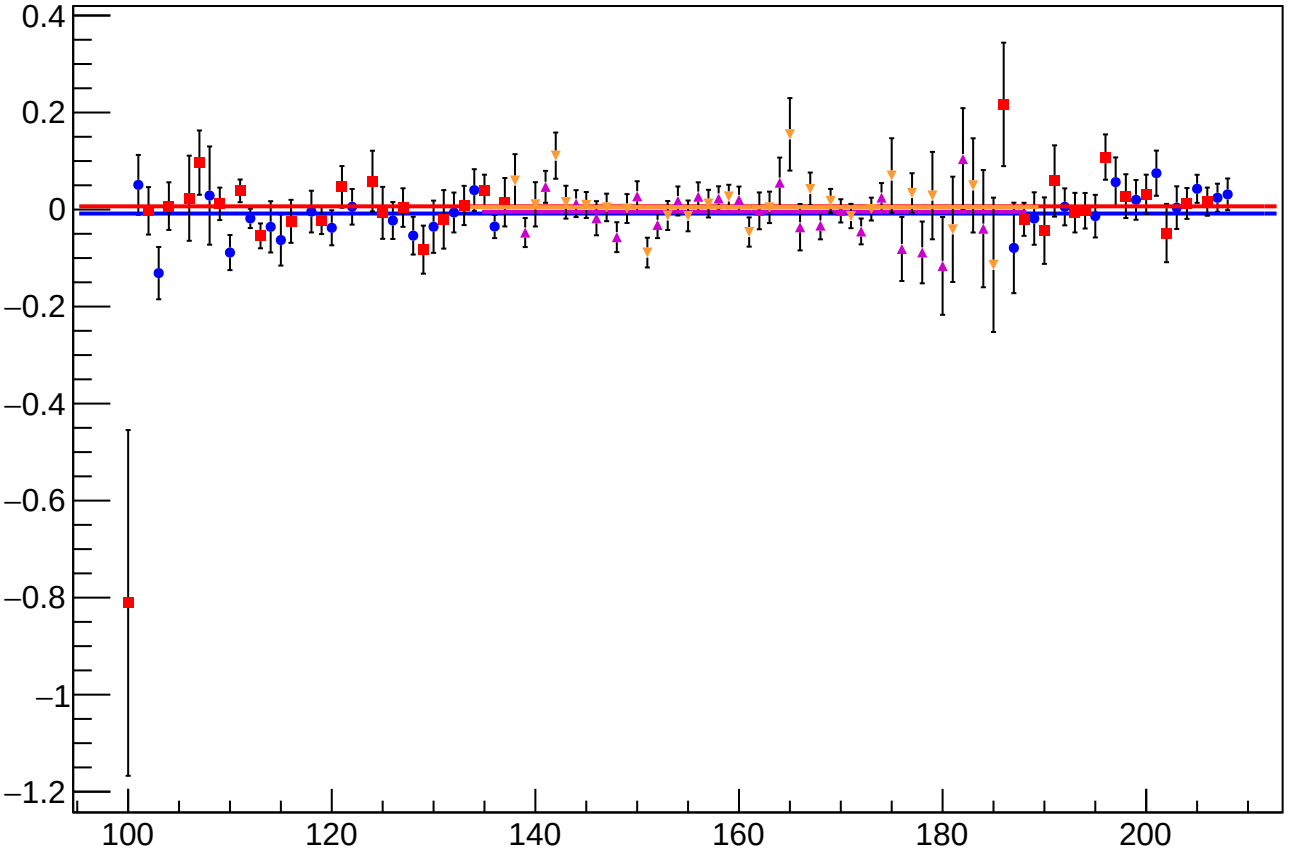
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11621787.4/57

In: 0.000+/-0.000 χ^2/NDF:10262354.1/49

Out: 0.000+/-0.000 χ^2/NDF:10484080.4/55

All: 0.000+/-0.000 χ^2/NDF: 20782387.1/105



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

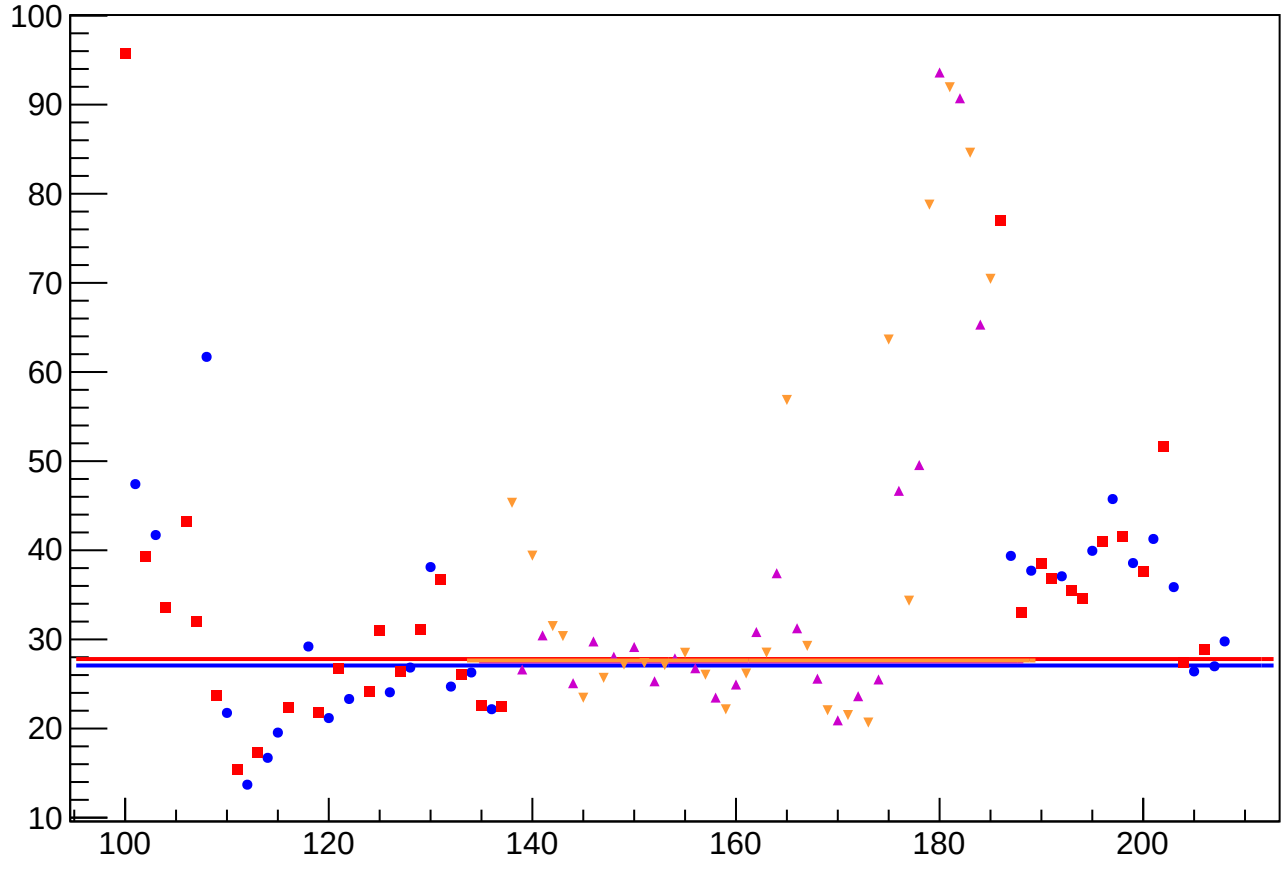
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.001+/-0.005 χ^2/NDF: 65.0/57

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.000+/-0.004 χ^2/NDF: 119.5/105



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

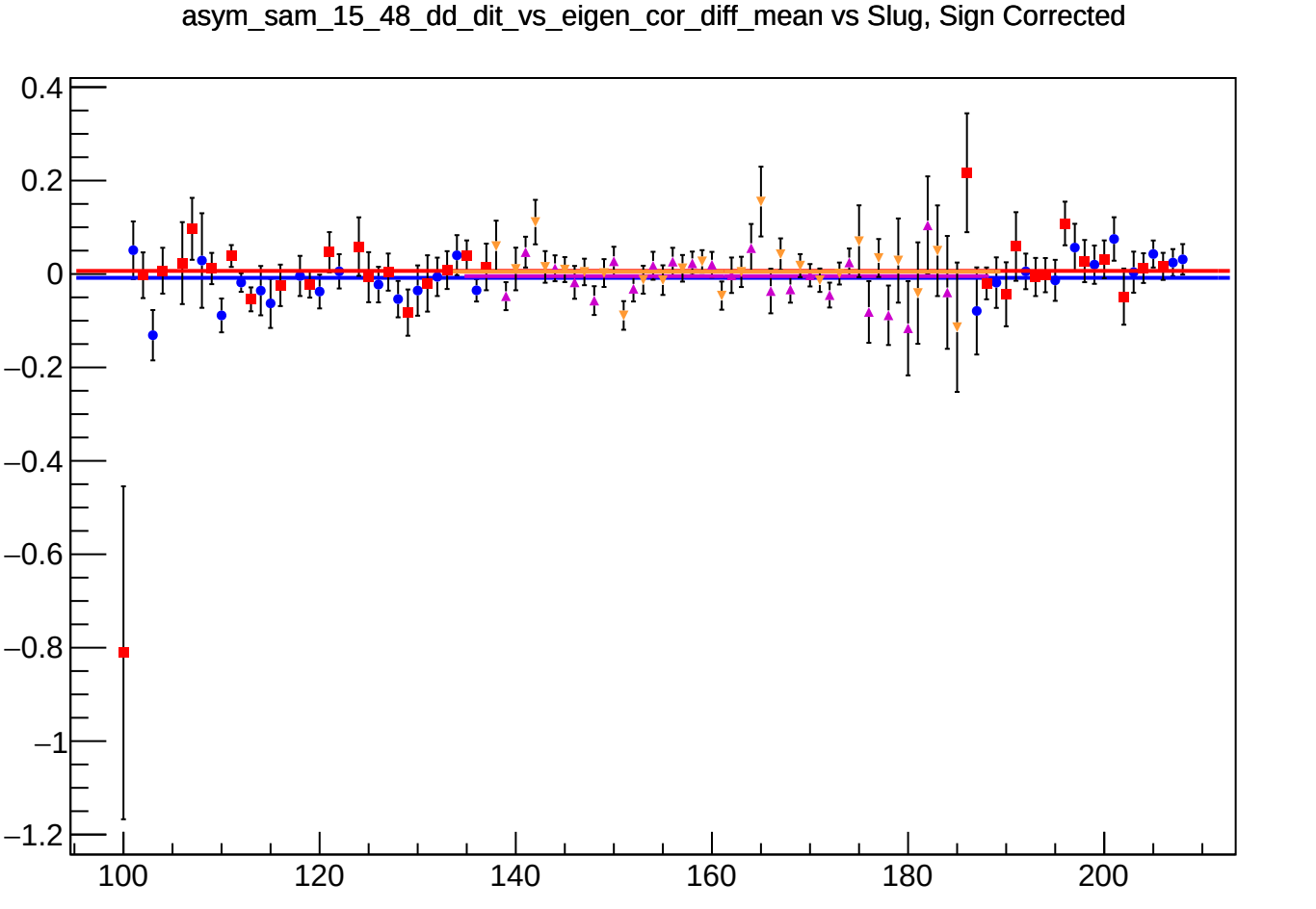
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.435+/-0.004 χ^2/NDF: 5889432.3/57

In: 27.311+/-0.004 χ^2/NDF:5696284.0/49

Out: 27.710+/-0.004 χ^2/NDF:6796648.2/55

All: 27.513+/-0.003 χ^2/NDF: 12499145.0/105



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

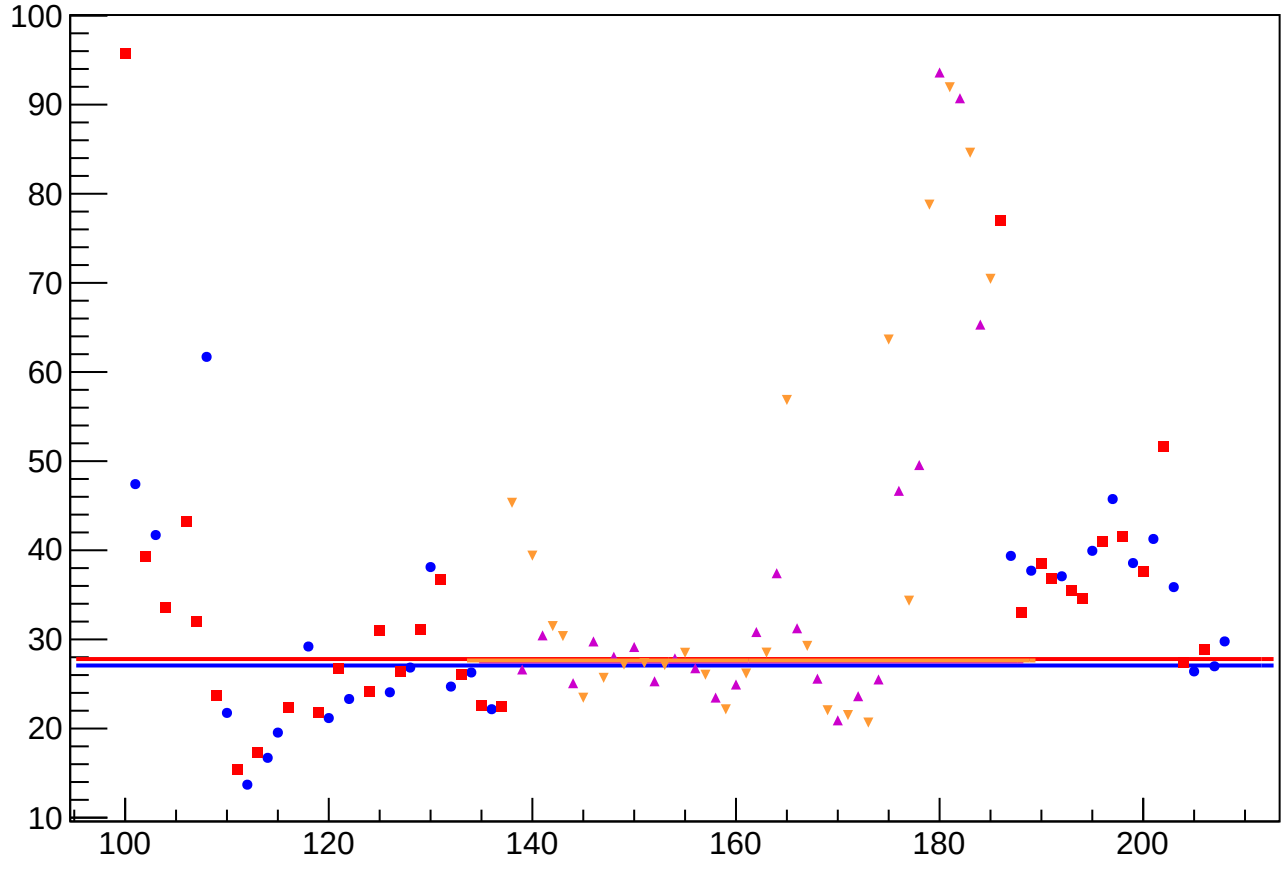
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.001+/-0.005 χ^2/NDF: 65.0/57

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.000+/-0.004 χ^2/NDF: 119.5/105



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

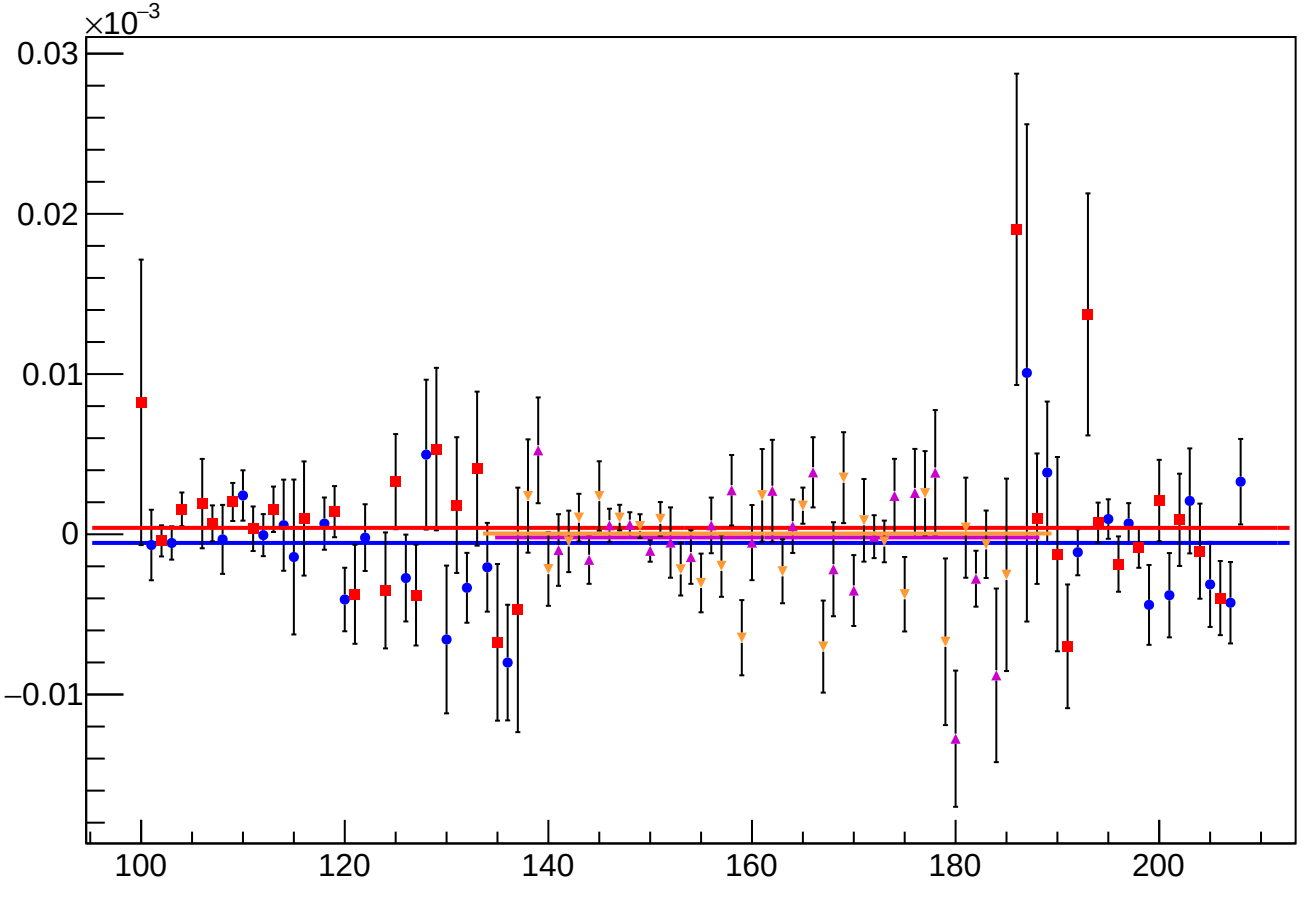
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.435+/-0.004 χ^2/NDF: 5889432.3/57

In: 27.311+/-0.004 χ^2/NDF:5696284.0/49

Out: 27.710+/-0.004 χ^2/NDF:6796648.2/55

All: 27.513+/-0.003 χ^2/NDF: 12499145.0/105



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

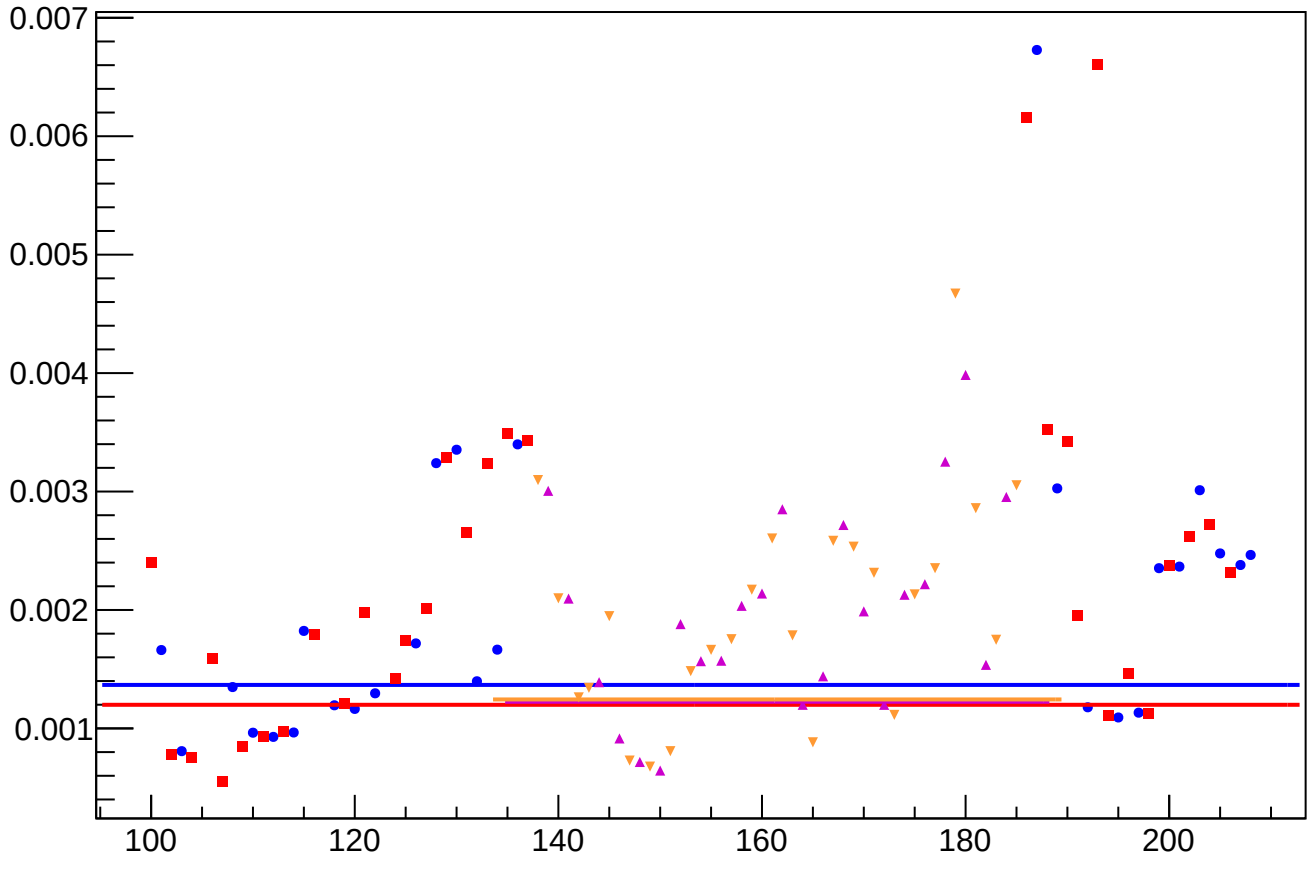
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: -0.000+/-0.000 χ^2/NDF: 68.1/57

In: -0.000+/-0.000 χ^2/NDF:65.1/49

Out: 0.000+/-0.000 χ^2/NDF:71.0/55

All: -0.000+/-0.000 χ^2/NDF: 138.7/105



Right In: 0.001+/-0.000 χ^2/NDF: 5286974.1/26

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8239396.8/30

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

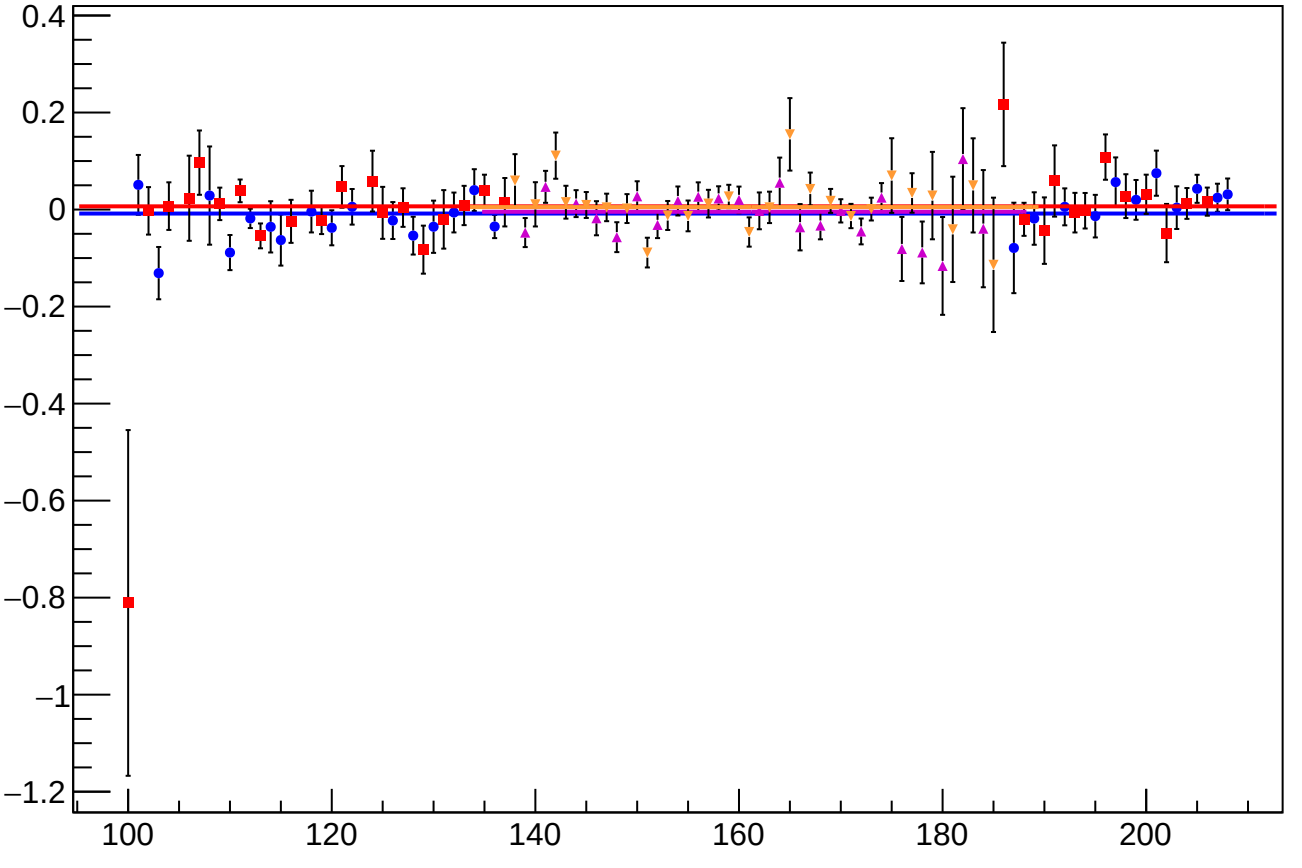
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 13731869.1/57

In: 0.001+/-0.000 χ^2/NDF:13264791.5/49

Out: 0.001+/-0.000 χ^2/NDF:16598221.5/55

All: 0.001+/-0.000 χ^2/NDF: 29925792.5/105



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

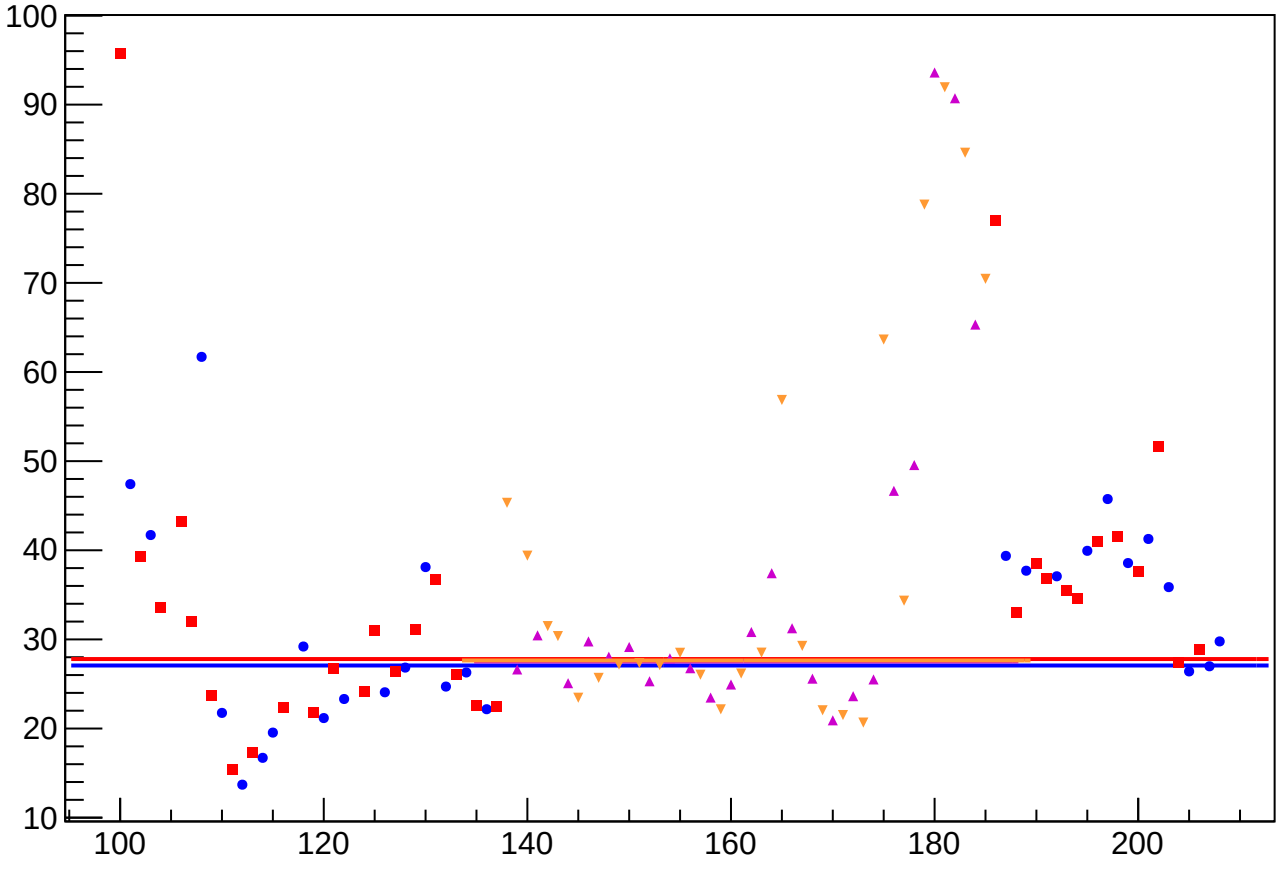
Right: -0.001+/-0.005 χ^2/NDF: 65.0/57

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.000+/-0.004 χ^2/NDF: 119.5/105

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

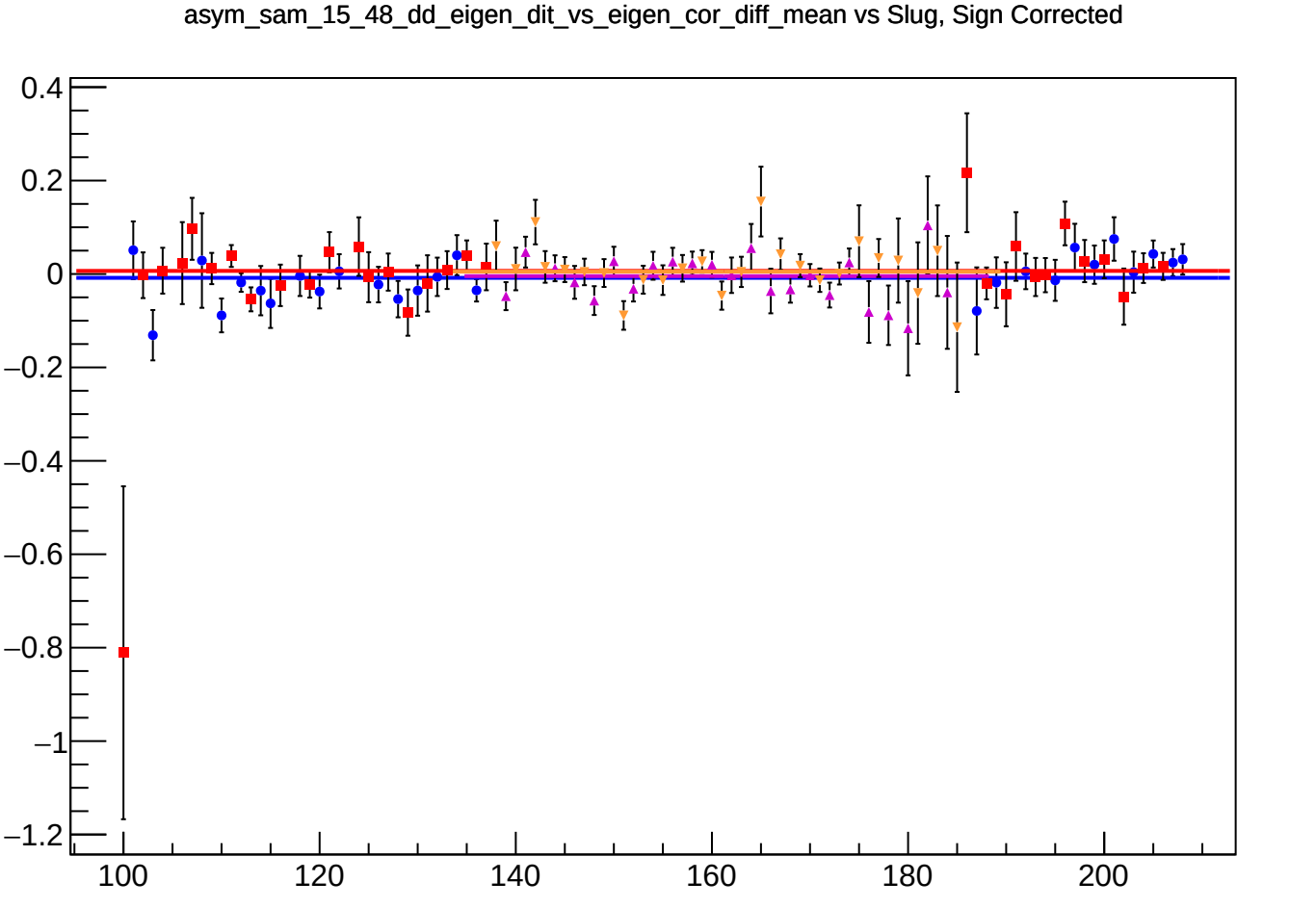
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.434+/-0.004 χ^2/NDF: 5889552.1/57

In: 27.311+/-0.004 χ^2/NDF:5696264.3/49

Out: 27.710+/-0.004 χ^2/NDF:6796699.8/55

All: 27.513+/-0.003 χ^2/NDF: 12499178.2/105



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

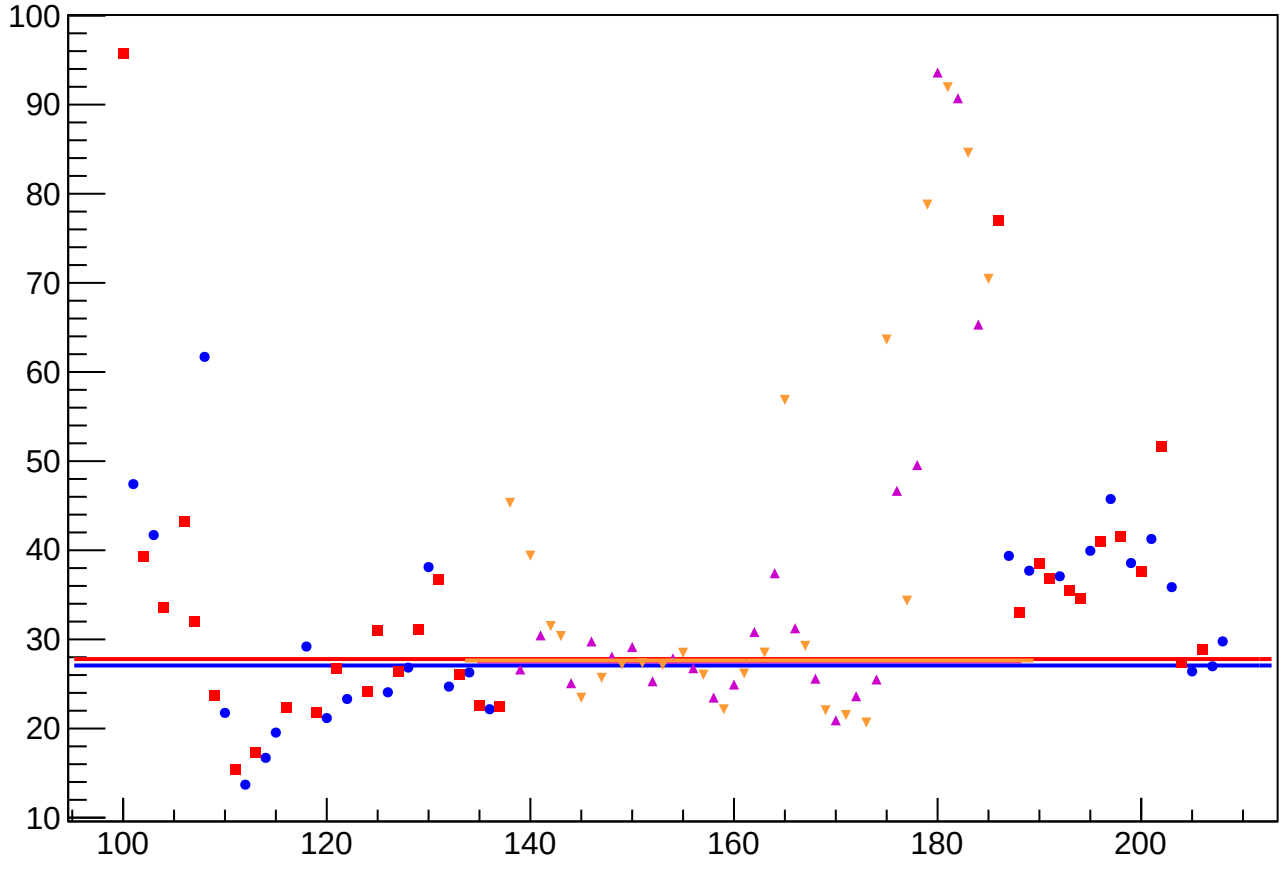
Right: -0.001+/-0.005 χ^2/NDF: 65.0/57

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.000+/-0.004 χ^2/NDF: 119.5/105

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

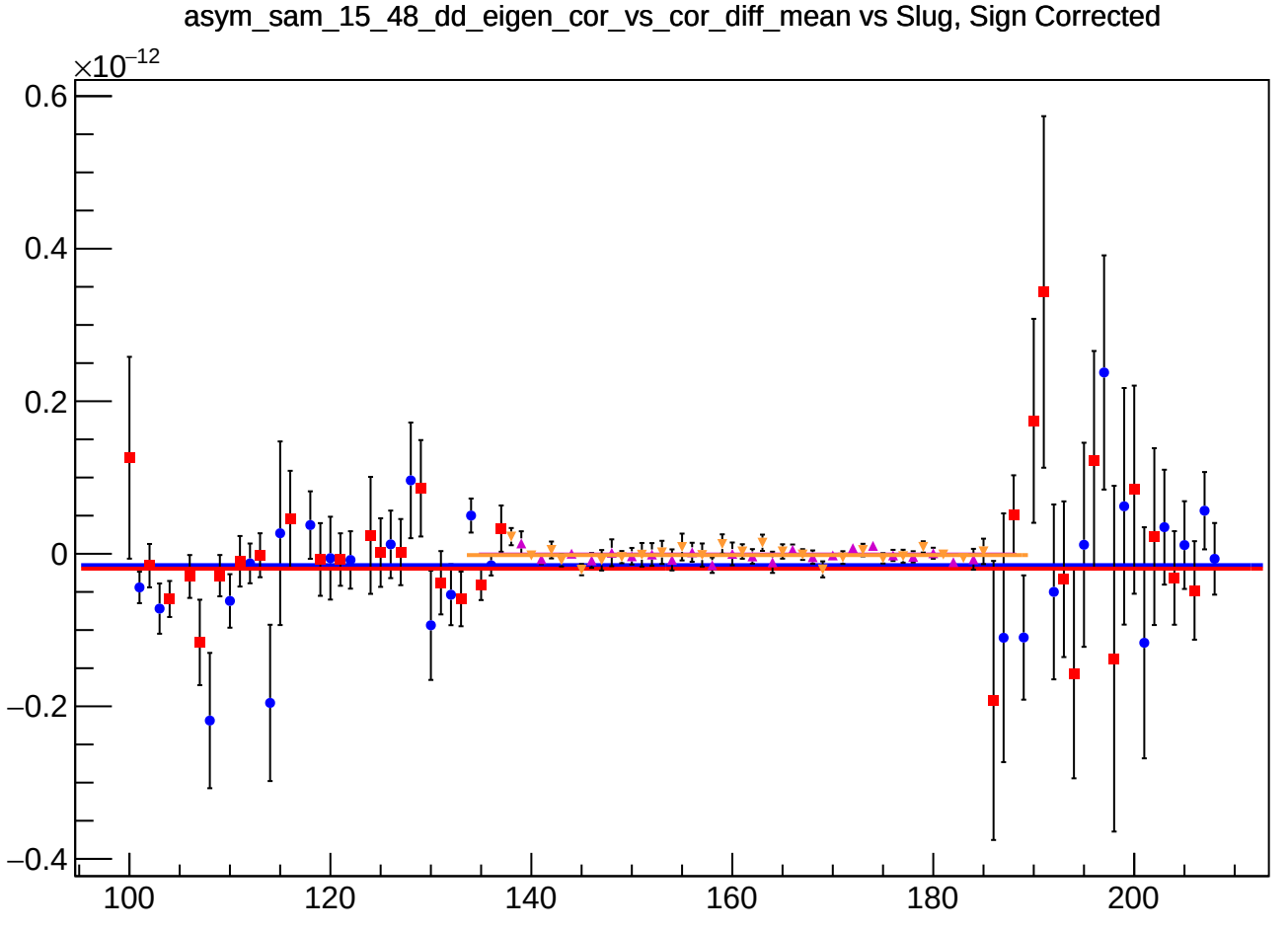
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.434+/-0.004 χ^2/NDF: 5889552.1/57

In: 27.311+/-0.004 χ^2/NDF:5696264.3/49

Out: 27.710+/-0.004 χ^2/NDF:6796699.8/55

All: 27.513+/-0.003 χ^2/NDF: 12499178.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/30

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

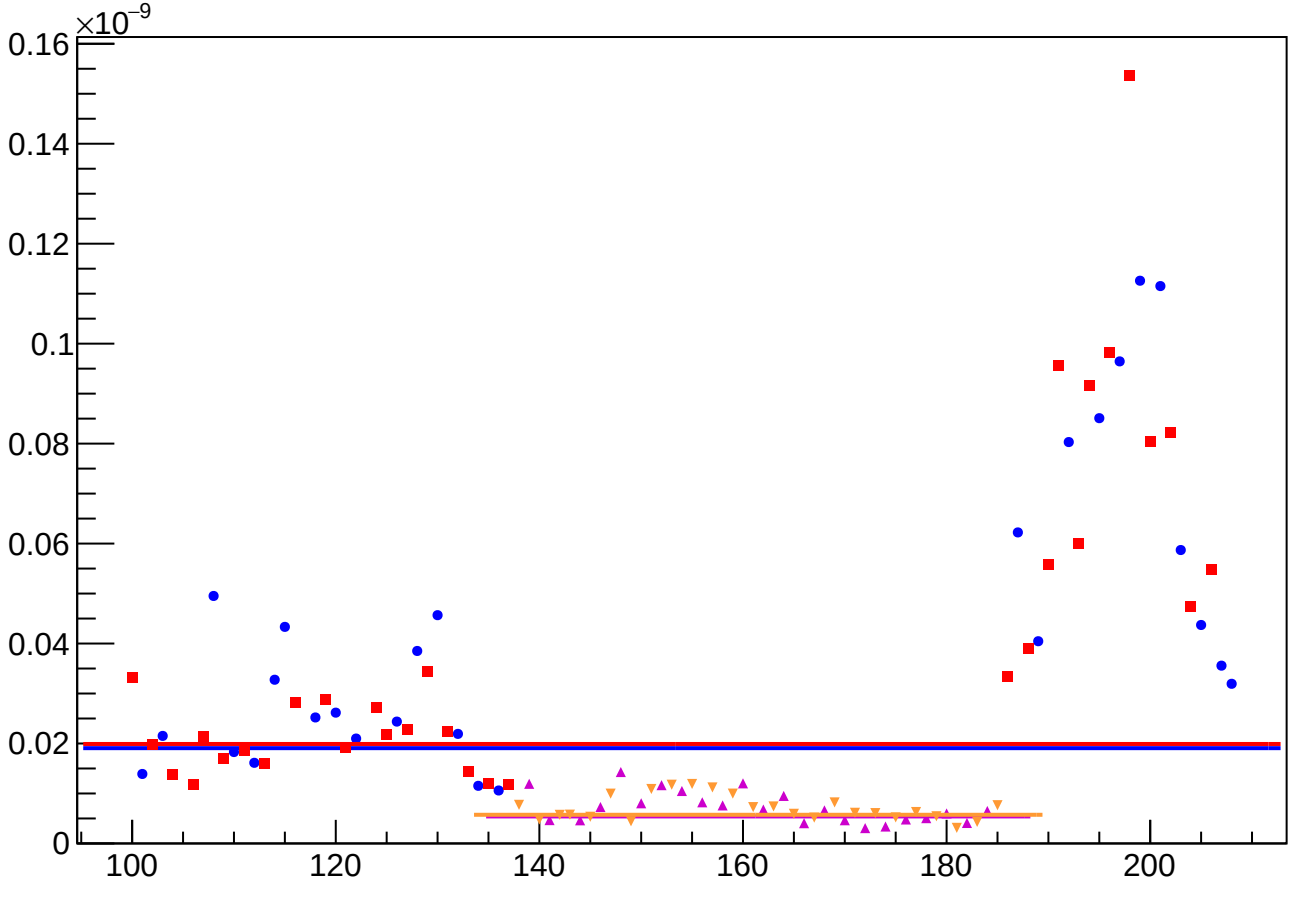
Right: -0.000+/-0.000 χ^2/NDF: 66.7/57

In: -0.000+/-0.000 χ^2/NDF:57.7/49

Out: -0.000+/-0.000 χ^2/NDF:58.3/55

All: -0.000+/-0.000 χ^2/NDF: 116.2/105

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6679620.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5880954.3/30

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

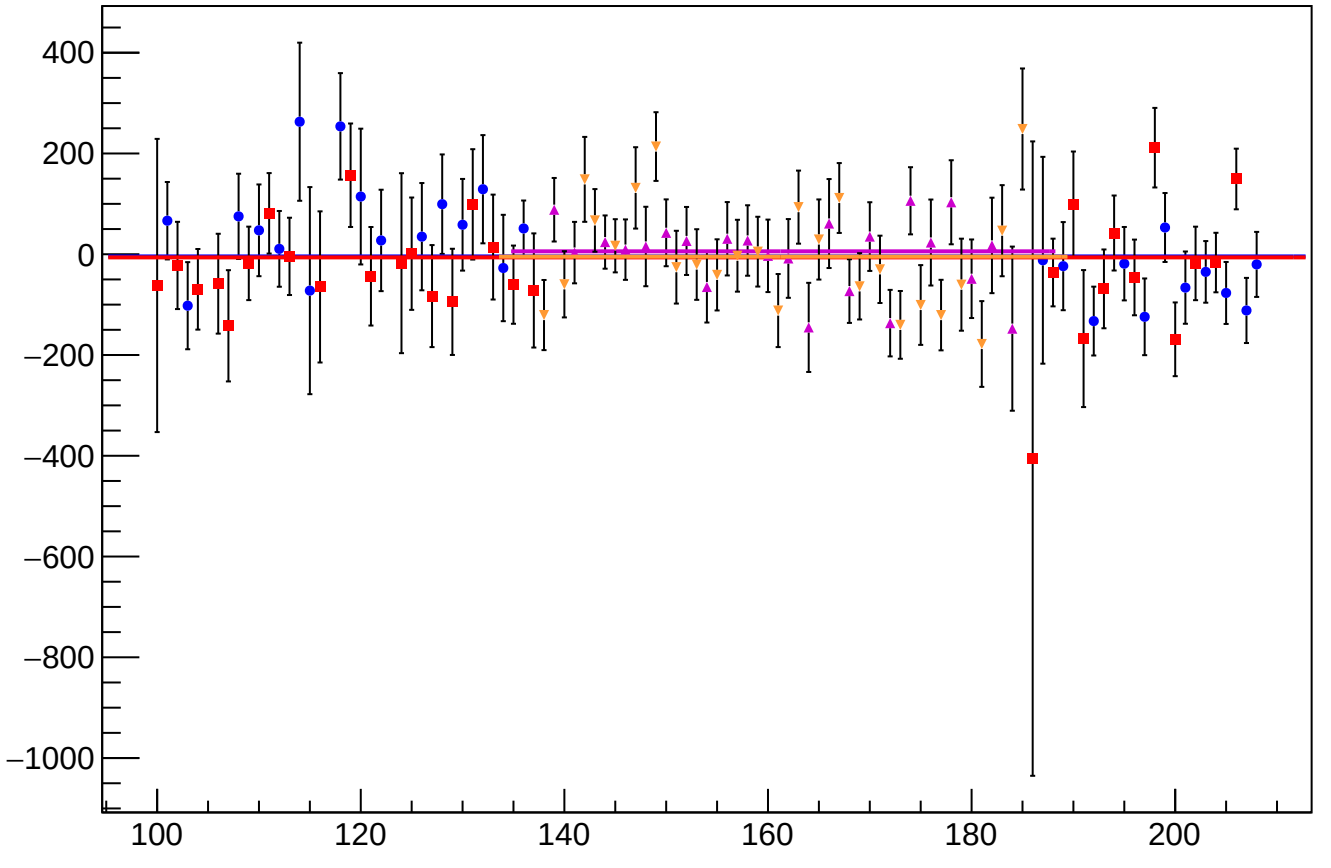
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12573056.5/57

In: 0.000+/-0.000 χ^2/NDF:16656280.3/49

Out: 0.000+/-0.000 χ^2/NDF:15161003.2/55

All: 0.000+/-0.000 χ^2/NDF: 31854779.0/105



Right In: -4.330+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -6.252+/-15.909 χ^2/NDF: 33.2/30

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

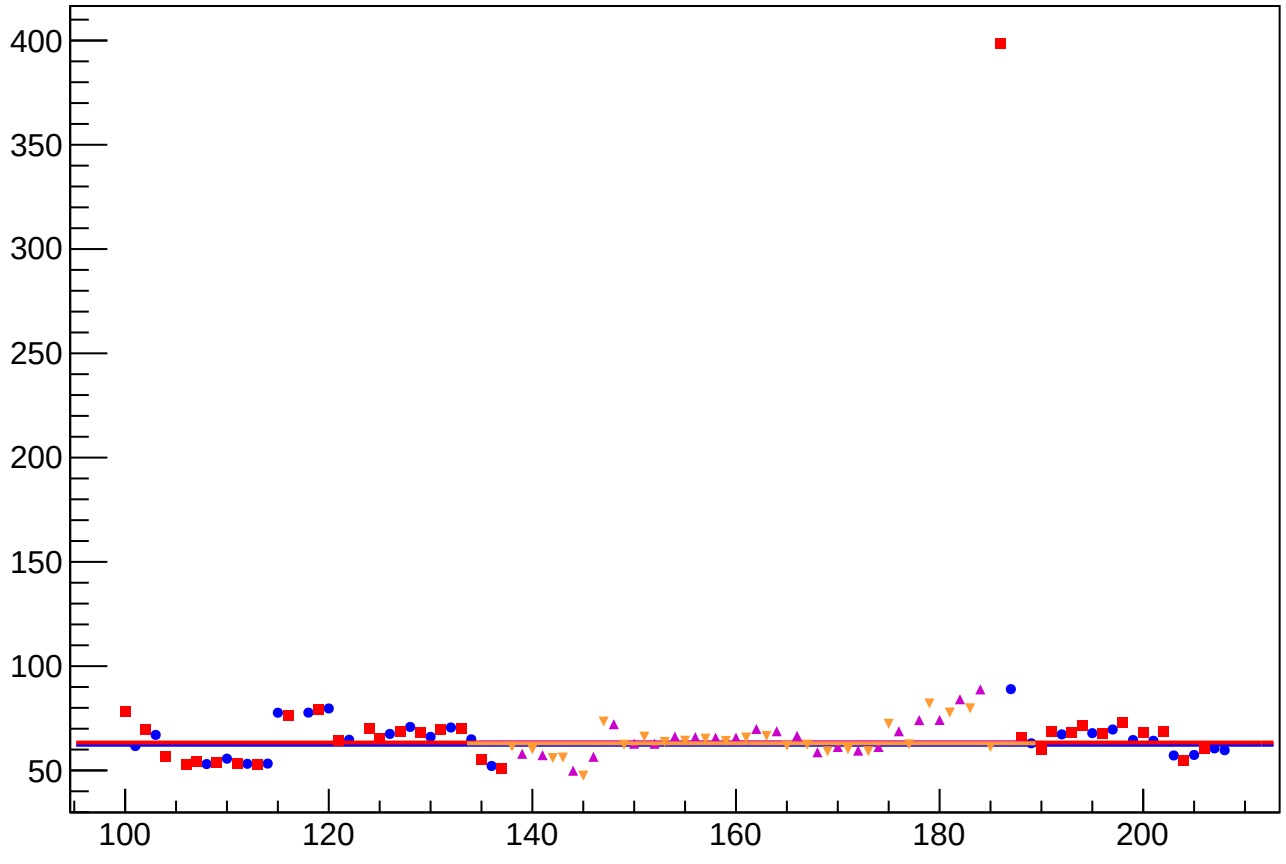
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -5.284+/-11.208 χ^2/NDF: 62.8/57

In: 1.006+/-10.849 χ^2/NDF:48.1/49

Out: -5.424+/-10.689 χ^2/NDF:80.6/55

All: -2.256+/-7.614 χ^2/NDF: 128.8/105



Right In: 62.324+/-0.011 χ^2/NDF: 378365.6/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.365+/-0.011 χ^2/NDF: 1014399.2/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

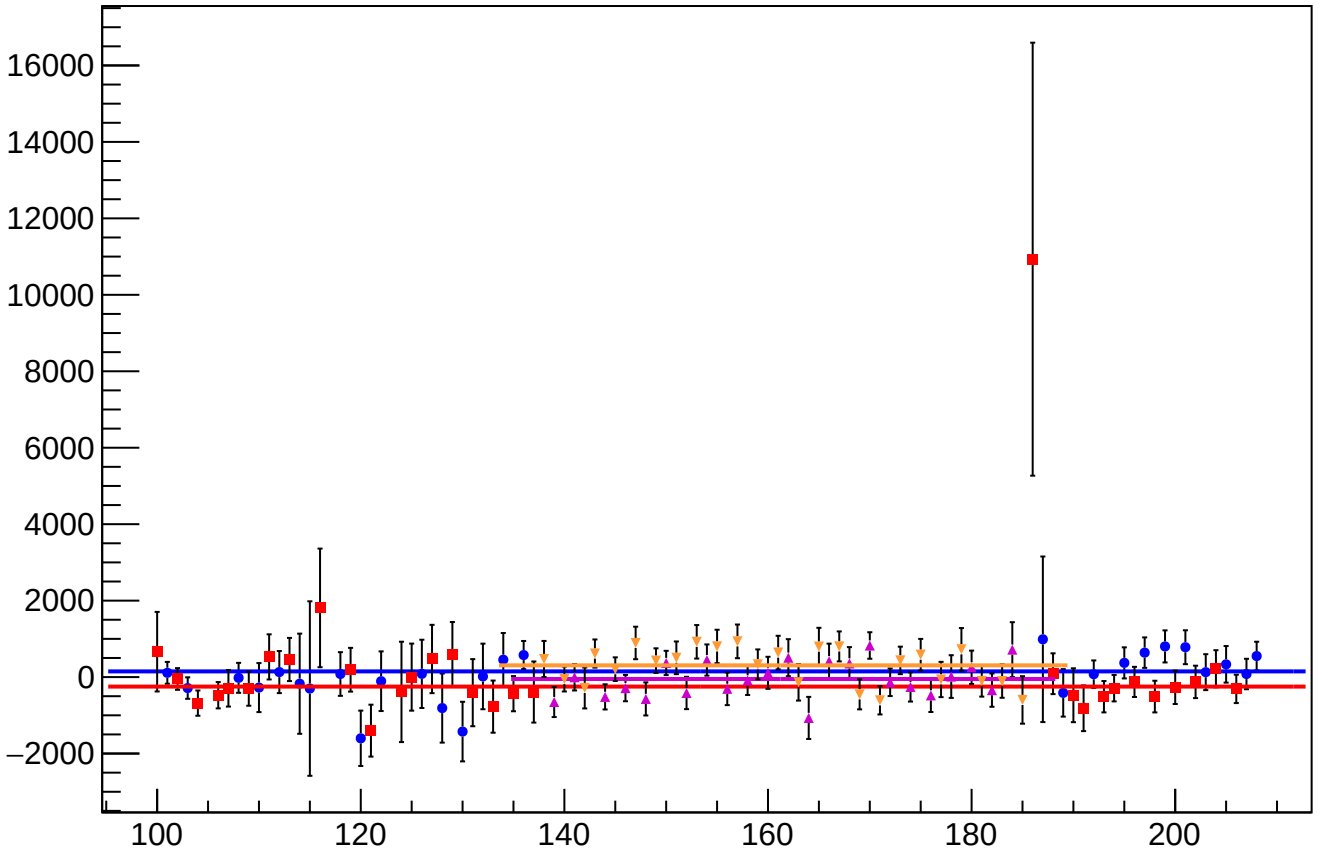
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.840+/-0.008 χ^2/NDF: 1397074.6/57

In: 62.874+/-0.008 χ^2/NDF:879884.3/49

Out: 63.151+/-0.008 χ^2/NDF:1541912.7/55

All: 63.015+/-0.005 χ^2/NDF: 2422461.8/105



Right In: 149.129+/-93.071 χ^2/NDF: 24.5/26

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -248.753+/-89.961 χ^2/NDF: 21.8/30

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

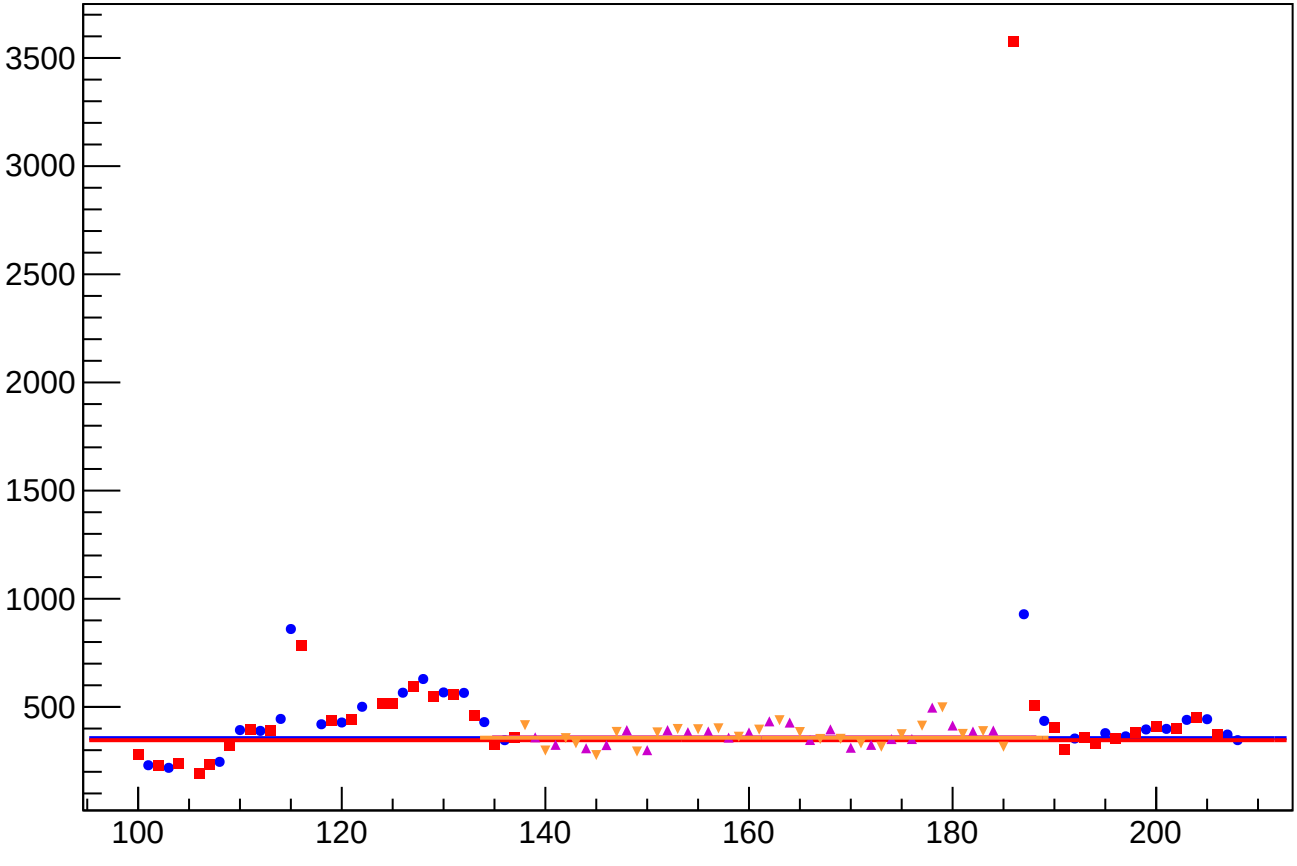
Right: -56.571+/-64.684 χ^2/NDF: 55.7/57

In: 40.353+/-62.699 χ^2/NDF:54.3/49

Out: 53.685+/-60.748 χ^2/NDF:73.2/55

All: 47.229+/-43.628 χ^2/NDF: 127.5/105

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 355.674+/-0.066 χ^2/NDF: 2191101.2/26

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 346.155+/-0.064 χ^2/NDF: 2986156.1/30

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

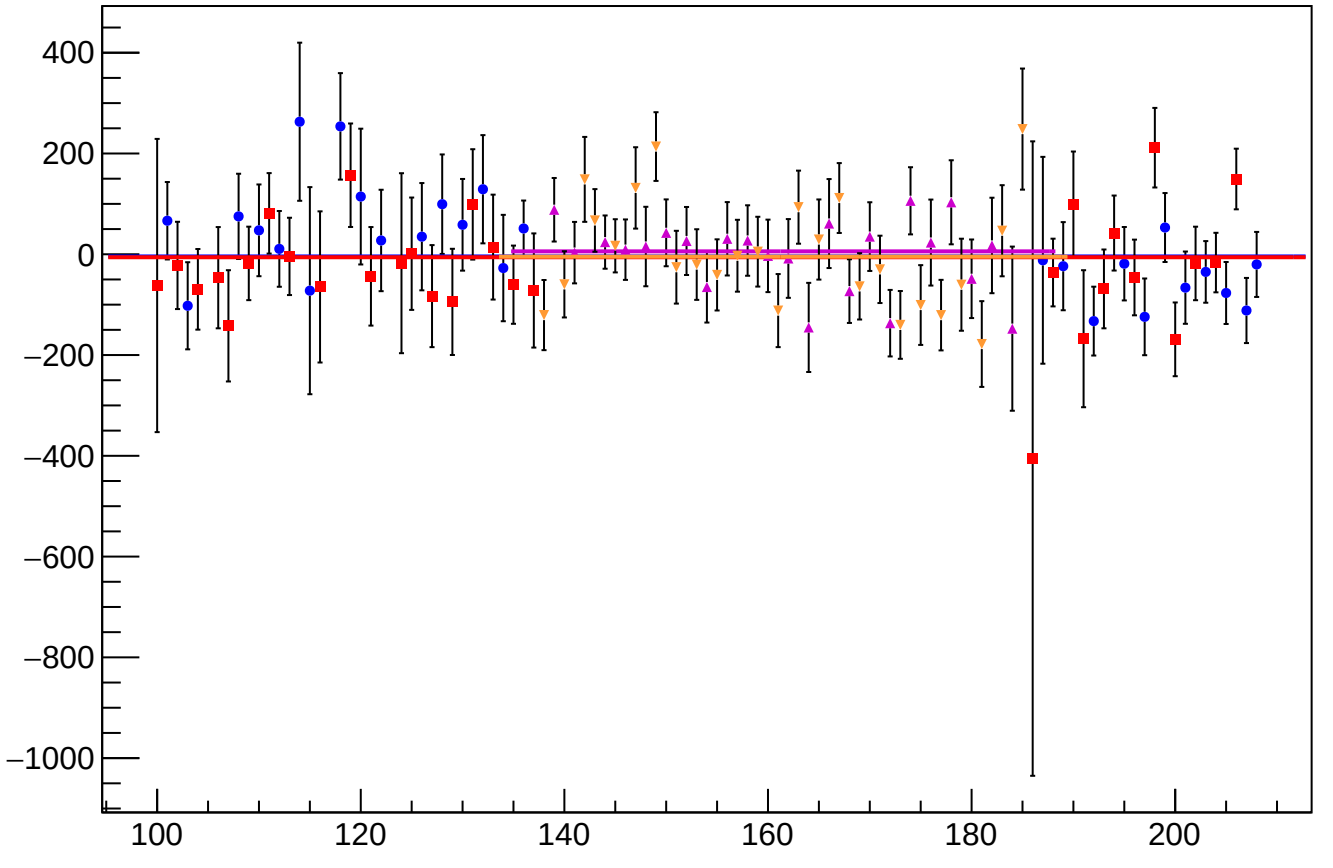
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 350.753+/-0.046 χ^2/NDF: 5188071.4/57

In: 357.682+/-0.044 χ^2/NDF:2712565.5/49

Out: 352.453+/-0.043 χ^2/NDF:3687902.1/55

All: 354.985+/-0.031 χ^2/NDF: 6407641.7/105



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -5.913+/-15.915 χ^2/NDF: 33.1/30

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

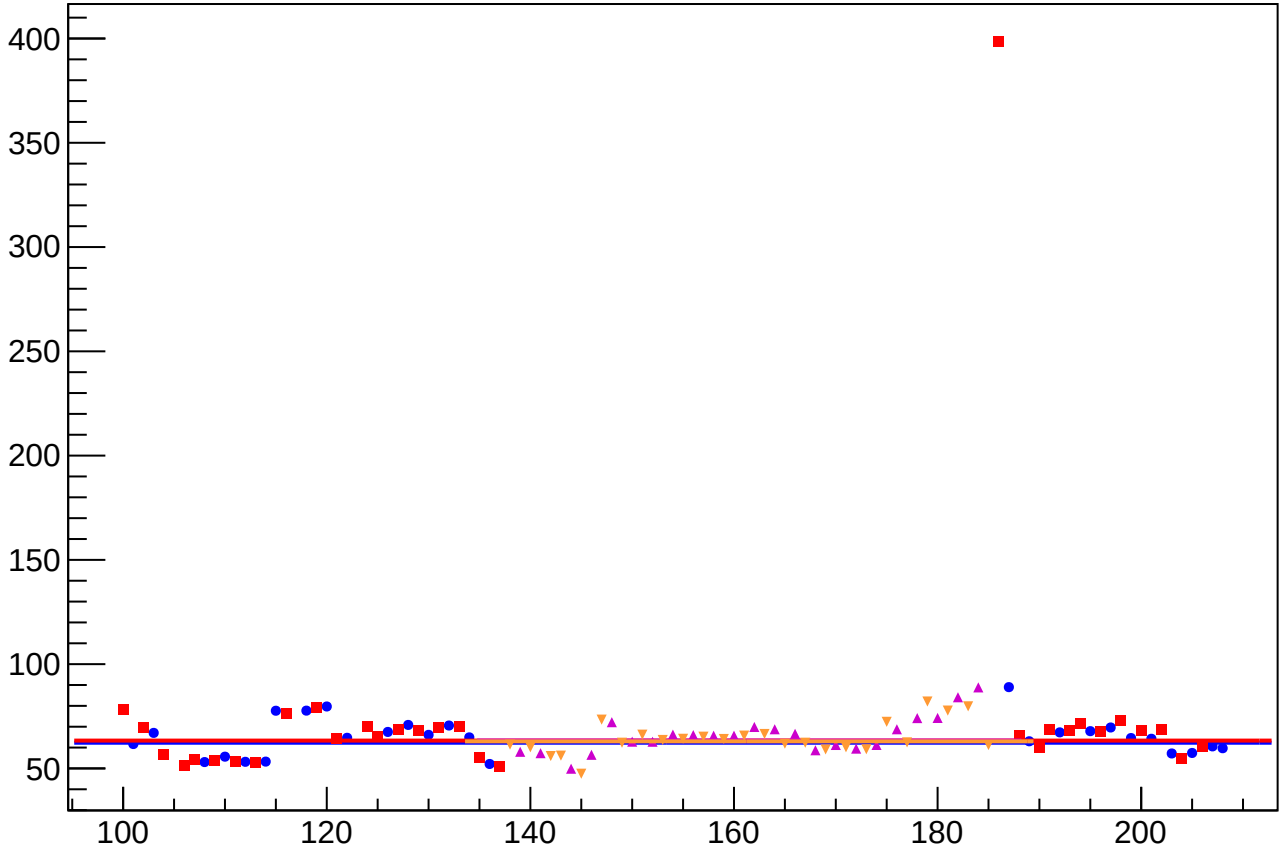
Right: -5.118+/-11.210 χ^2/NDF: 62.7/57

In: 1.003+/-10.849 χ^2/NDF:48.1/49

Out: -5.273+/-10.691 χ^2/NDF:80.5/55

All: -2.181+/-7.615 χ^2/NDF: 128.7/105

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

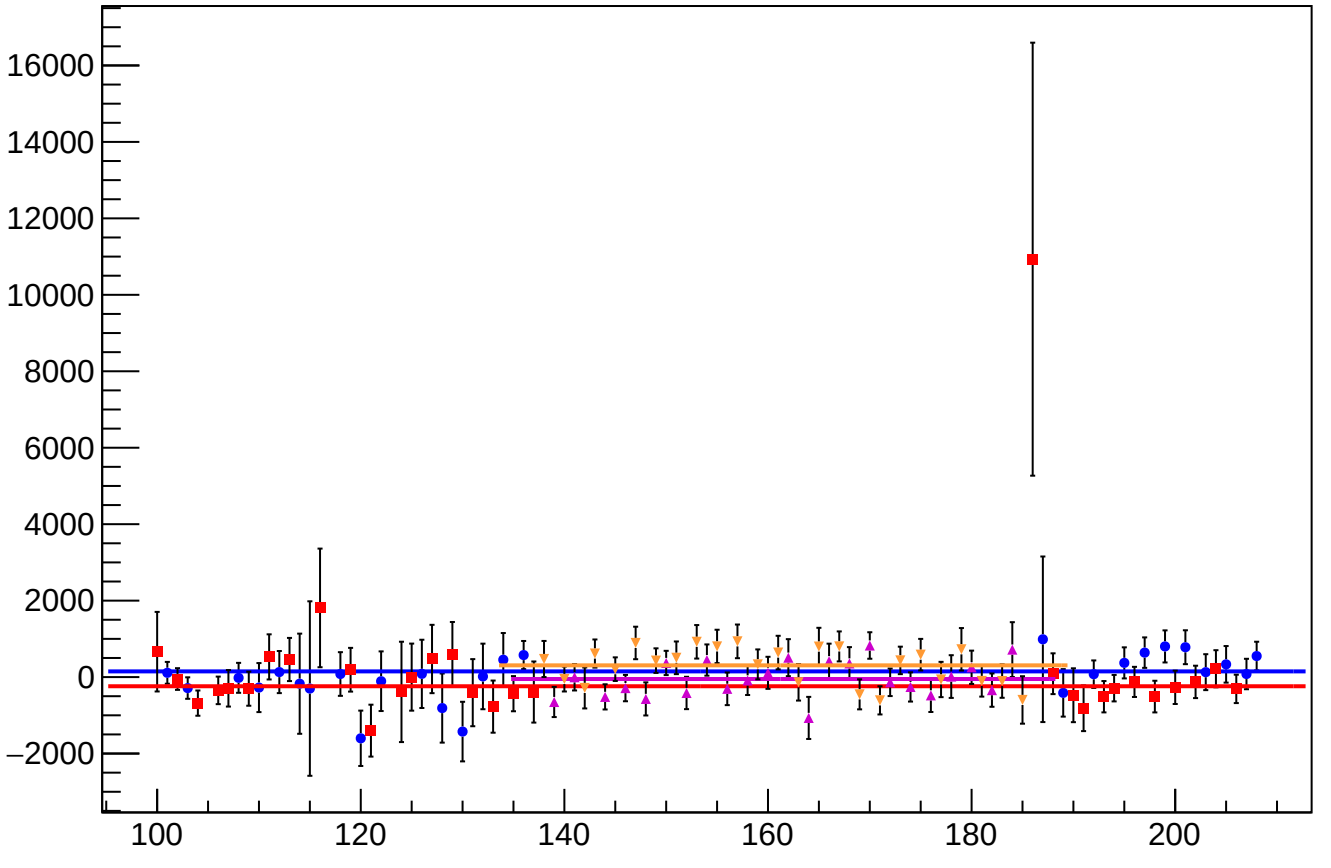
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.831+/-0.008 χ^2/NDF: 1401055.8/57

In: 62.874+/-0.008 χ^2/NDF:879884.5/49

Out: 63.143+/-0.008 χ^2/NDF:1545986.3/55

All: 63.010+/-0.005 χ^2/NDF: 2426495.7/105



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -239.617+/-90.235 χ^2/NDF: 21.4/30

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

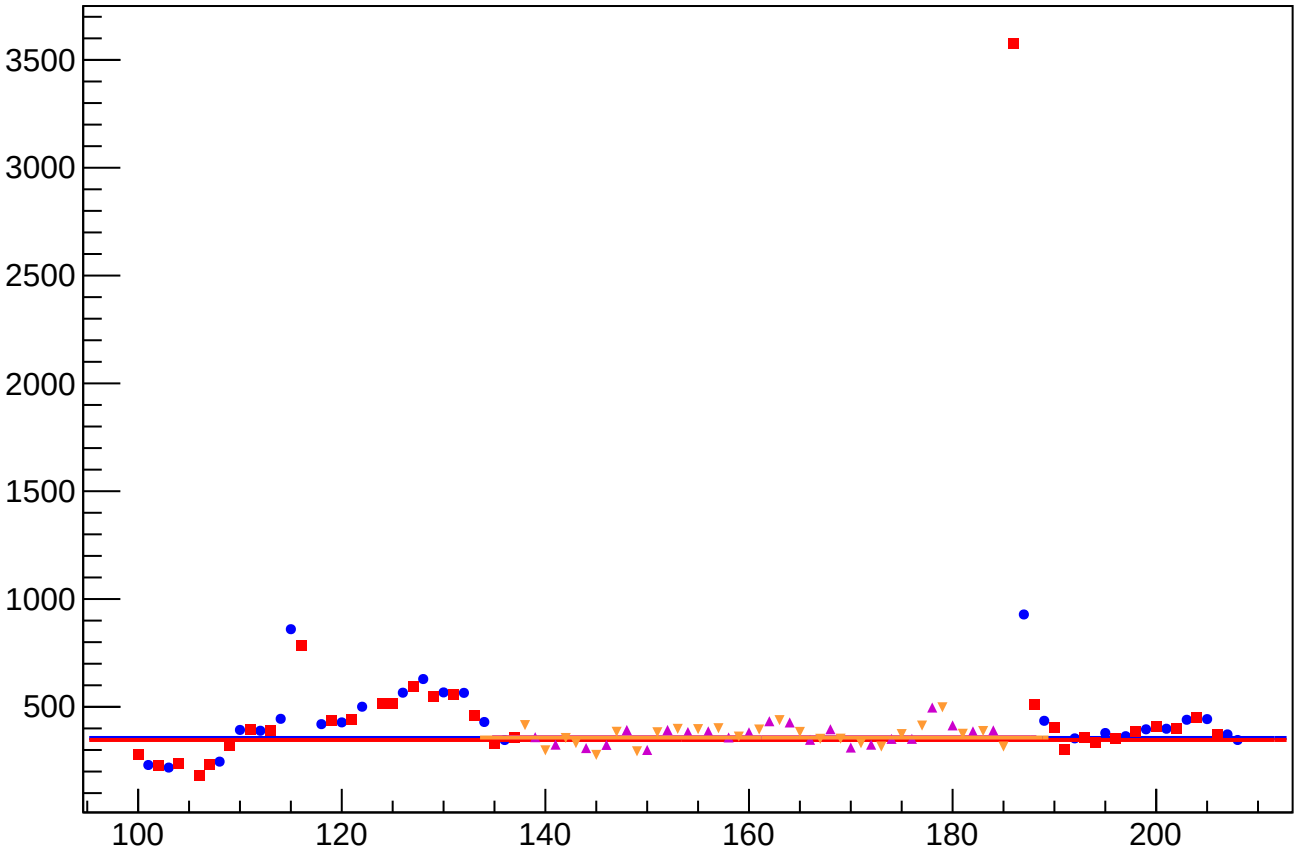
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -51.255+/-64.785 χ^2/NDF: 54.9/57

In: 40.356+/-62.699 χ^2/NDF:54.3/49

Out: 58.673+/-60.832 χ^2/NDF:72.1/55

All: 49.791+/-43.660 χ^2/NDF: 126.4/105



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

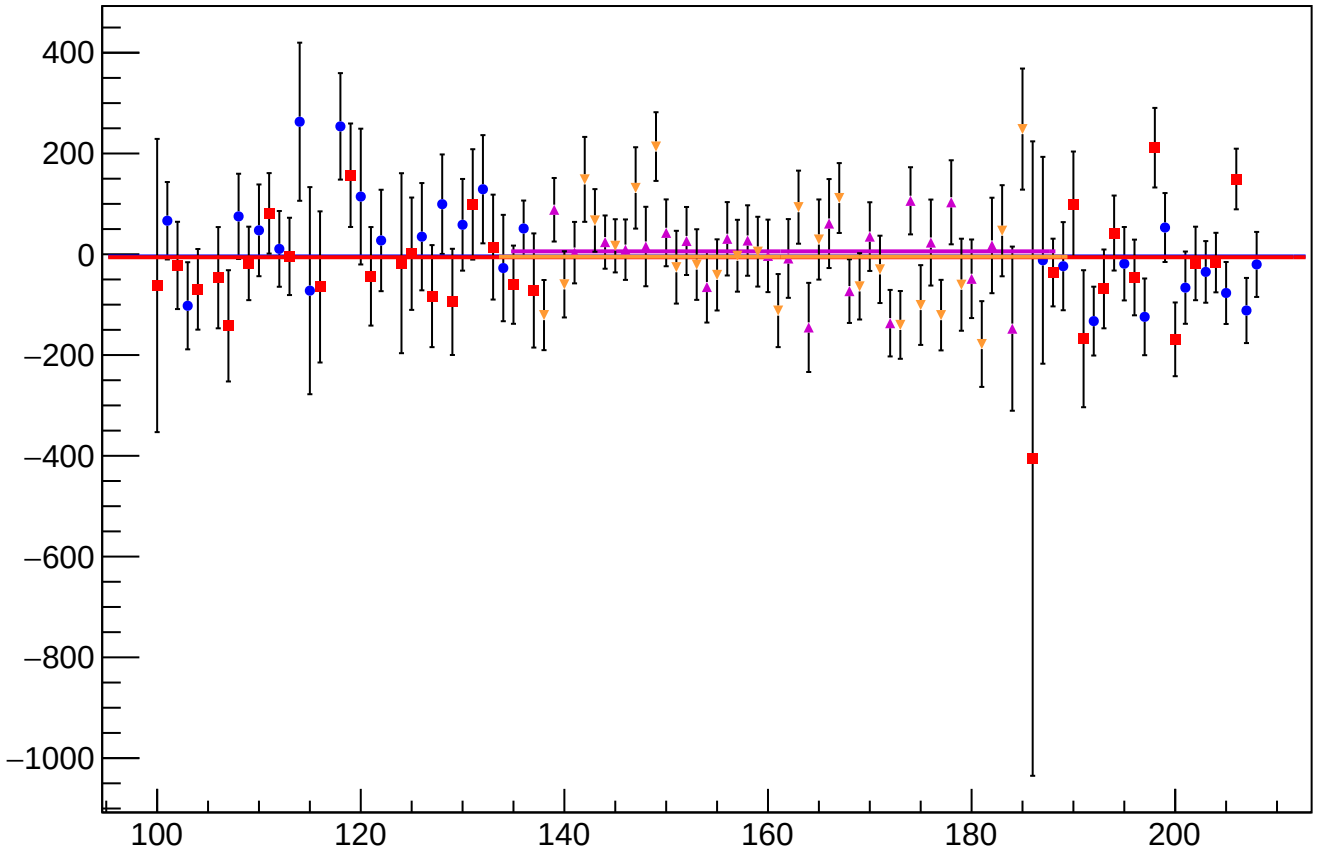
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 350.922+/-0.046 χ^2/NDF: 5202513.0/57

In: 357.682+/-0.044 χ^2/NDF:2712485.1/49

Out: 352.607+/-0.043 χ^2/NDF:3702141.1/55

All: 355.068+/-0.031 χ^2/NDF: 6421378.2/105



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -5.913+/-15.915 χ^2/NDF: 33.1/30

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

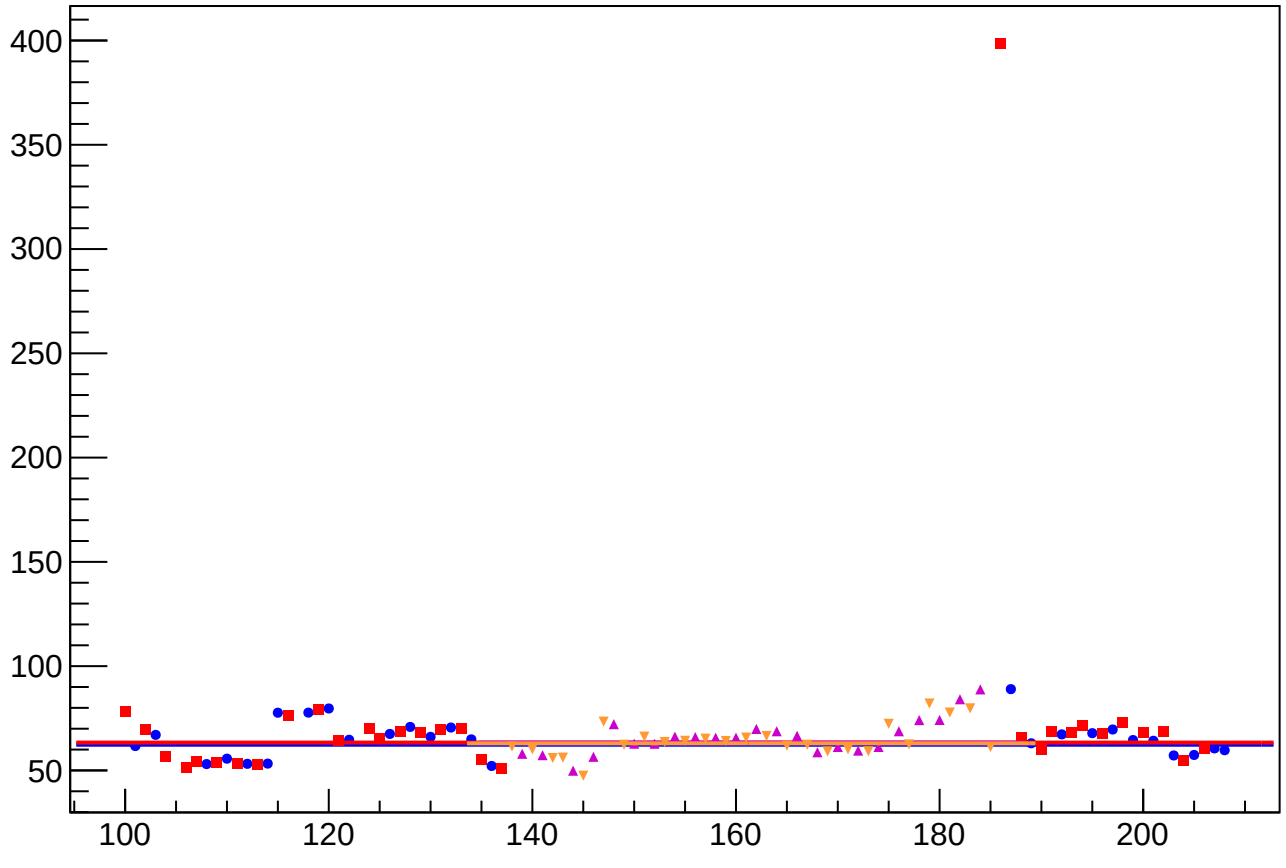
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -5.118+/-11.210 χ^2/NDF: 62.7/57

In: 1.003+/-10.849 χ^2/NDF:48.1/49

Out: -5.273+/-10.691 χ^2/NDF:80.5/55

All: -2.181+/-7.615 χ^2/NDF: 128.7/105



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

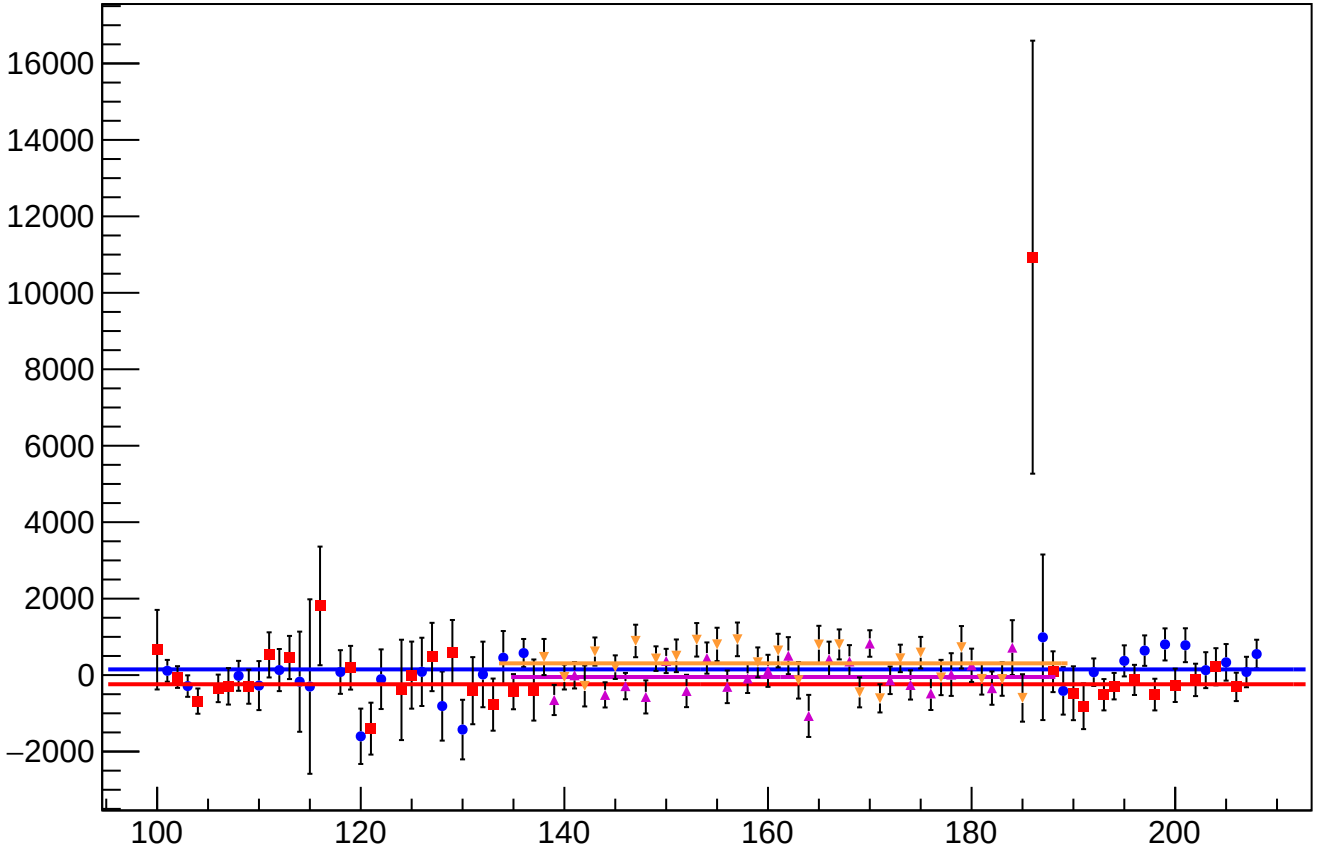
Right: 62.831+/-0.008 χ^2/NDF: 1401055.8/57

In: 62.874+/-0.008 χ^2/NDF:879884.5/49

Out: 63.143+/-0.008 χ^2/NDF:1545986.3/55

All: 63.010+/-0.005 χ^2/NDF: 2426495.7/105

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -239.617+/-90.235 χ^2/NDF: 21.4/30

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

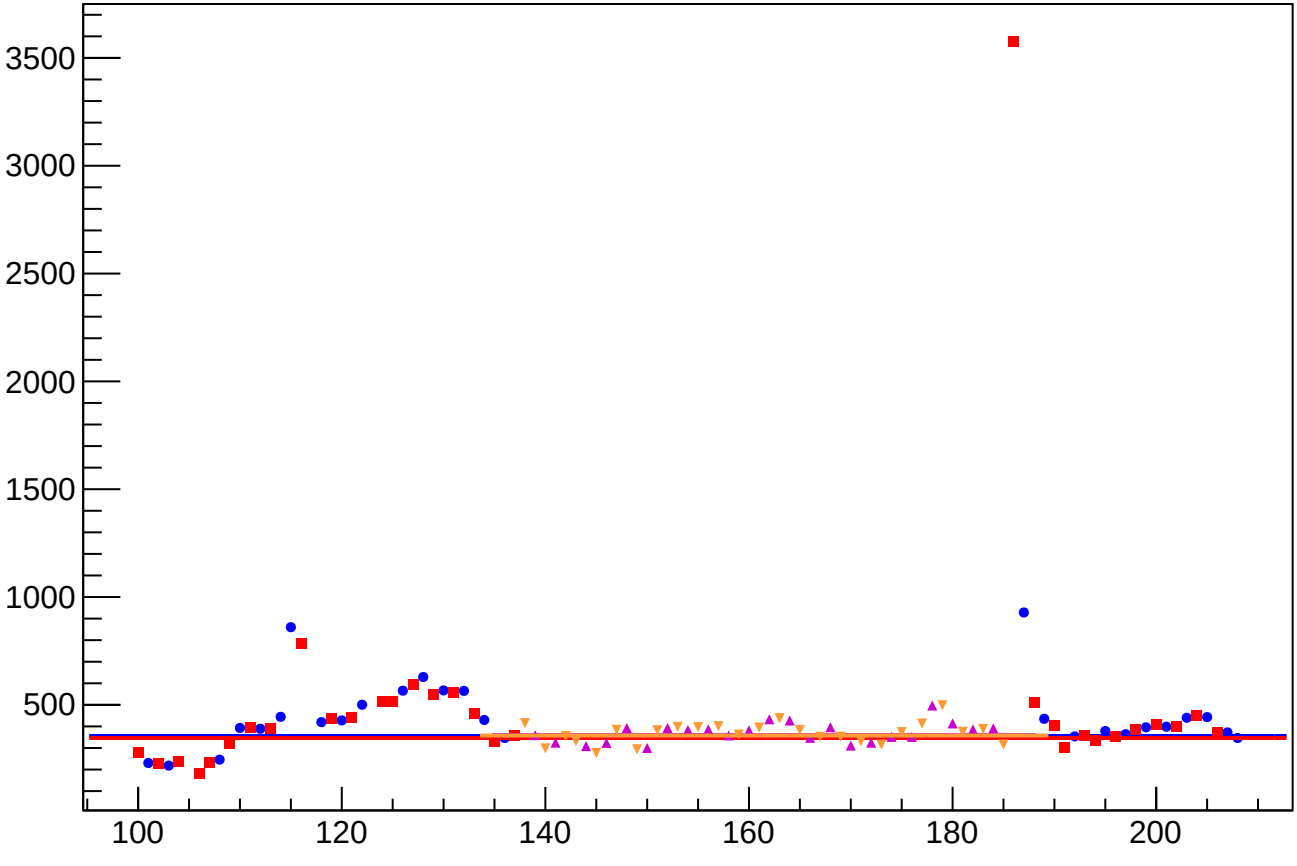
Right: -51.255+/-64.785 χ^2/NDF: 54.9/57

In: 40.356+/-62.699 χ^2/NDF:54.3/49

Out: 58.673+/-60.832 χ^2/NDF:72.1/55

All: 49.791+/-43.660 χ^2/NDF: 126.4/105

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

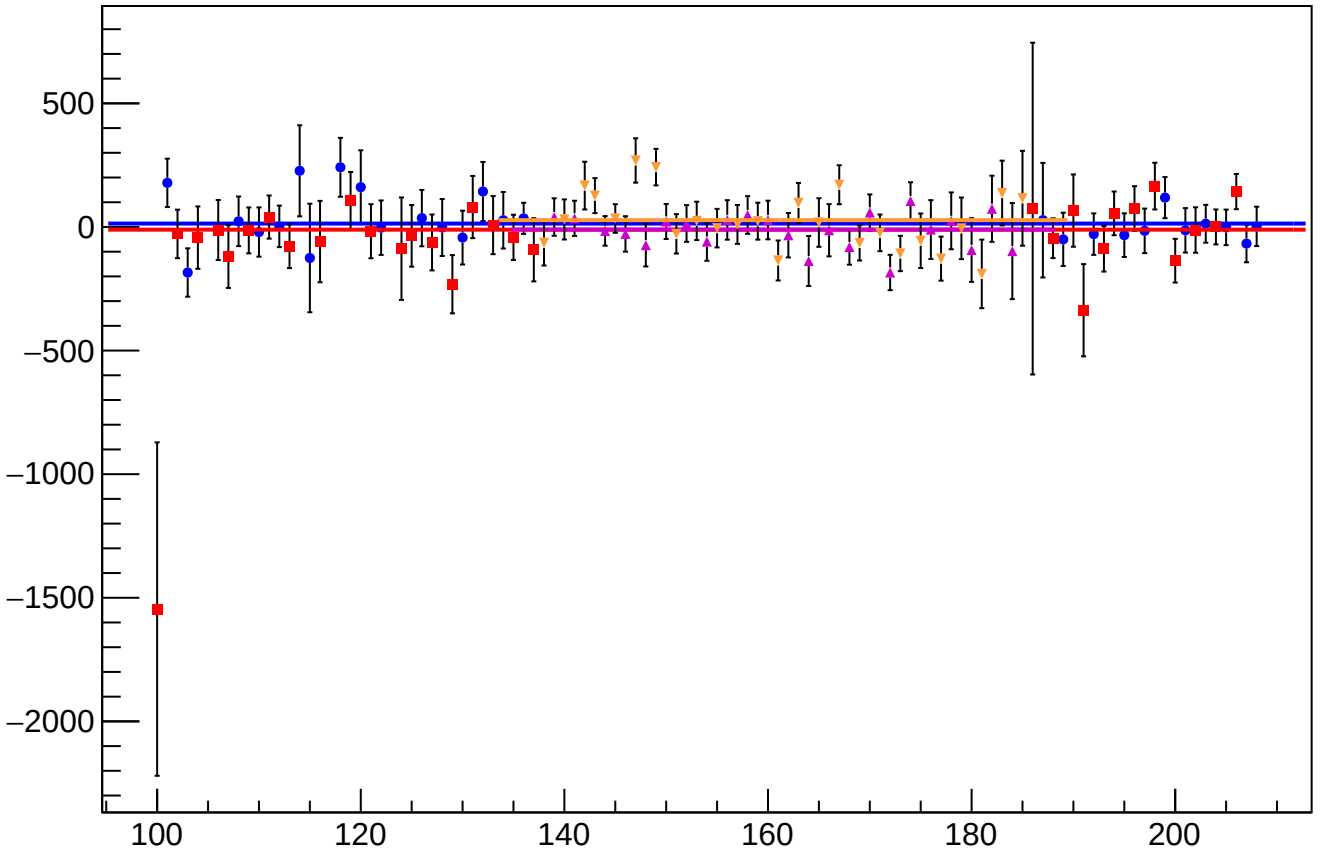
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 350.922+/-0.046 χ^2/NDF: 5202513.0/57

In: 357.682+/-0.044 χ^2/NDF:2712485.1/49

Out: 352.607+/-0.043 χ^2/NDF:3702141.1/55

All: 355.068+/-0.031 χ^2/NDF: 6421378.2/105



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -10.999+/-18.985 χ^2/NDF: 28.8/30

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

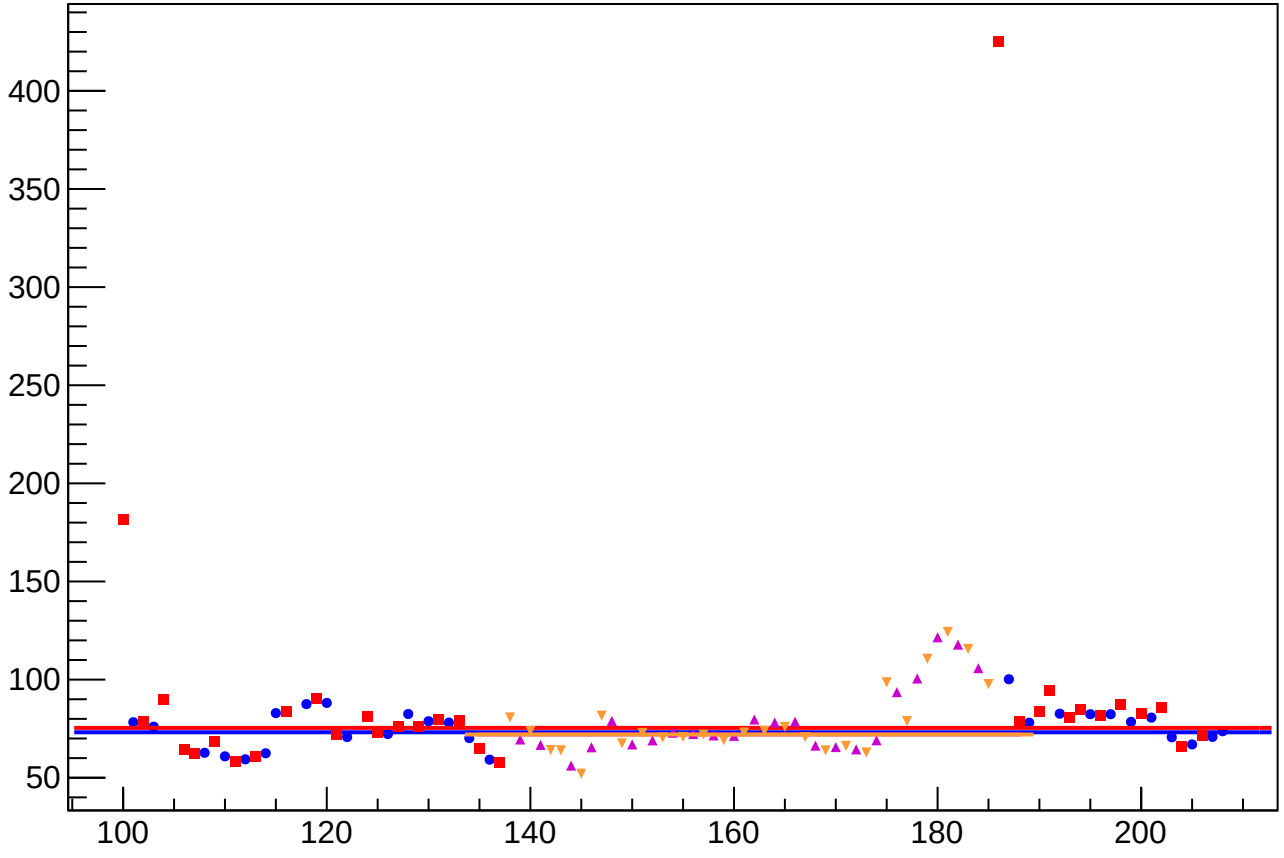
Right: 1.626+/-13.278 χ^2/NDF: 48.7/57

In: 0.683+/-12.631 χ^2/NDF:36.0/49

Out: 10.729+/-12.557 χ^2/NDF:73.5/55

All: 5.736+/-8.905 χ^2/NDF: 109.8/105

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.173+/-0.013 χ^2/NDF: 435474.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.417+/-0.013 χ^2/NDF: 1095251.6/30

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

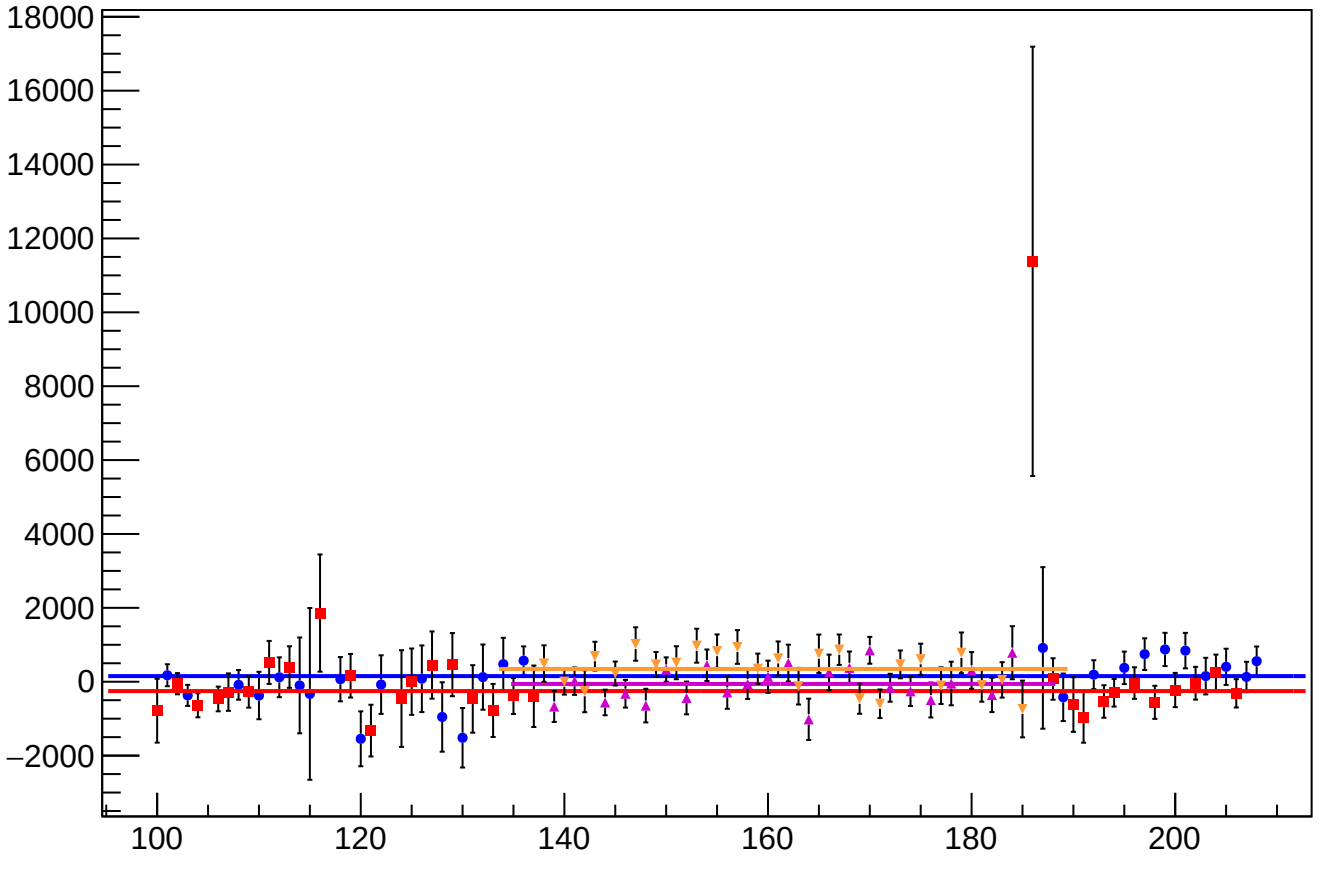
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.270+/-0.009 χ^2/NDF: 1545000.2/57

In: 72.592+/-0.009 χ^2/NDF:1497970.3/49

Out: 73.518+/-0.009 χ^2/NDF:2400301.7/55

All: 73.057+/-0.006 χ^2/NDF: 3903677.6/105



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -252.614+/-92.720 χ^2/NDF: 20.5/30

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

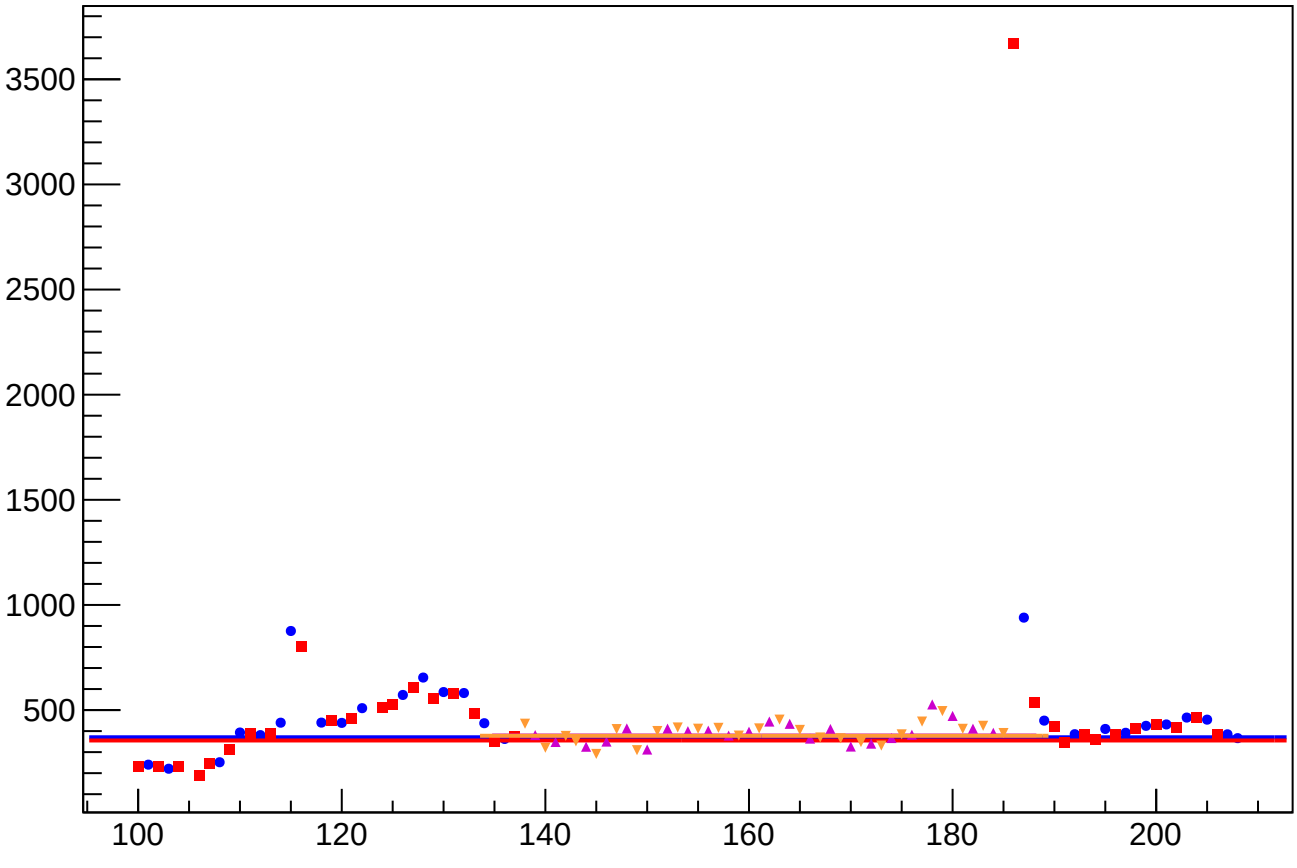
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -59.377+/-67.037 χ^2/NDF: 55.6/57

In: 37.517+/-65.754 χ^2/NDF:54.4/49

Out: 66.322+/-63.375 χ^2/NDF:71.7/55

All: 52.450+/-45.631 χ^2/NDF: 126.1/105



Right In: 370.611+/-0.069 χ^2/NDF: 2262968.8/26

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262716.6/30

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

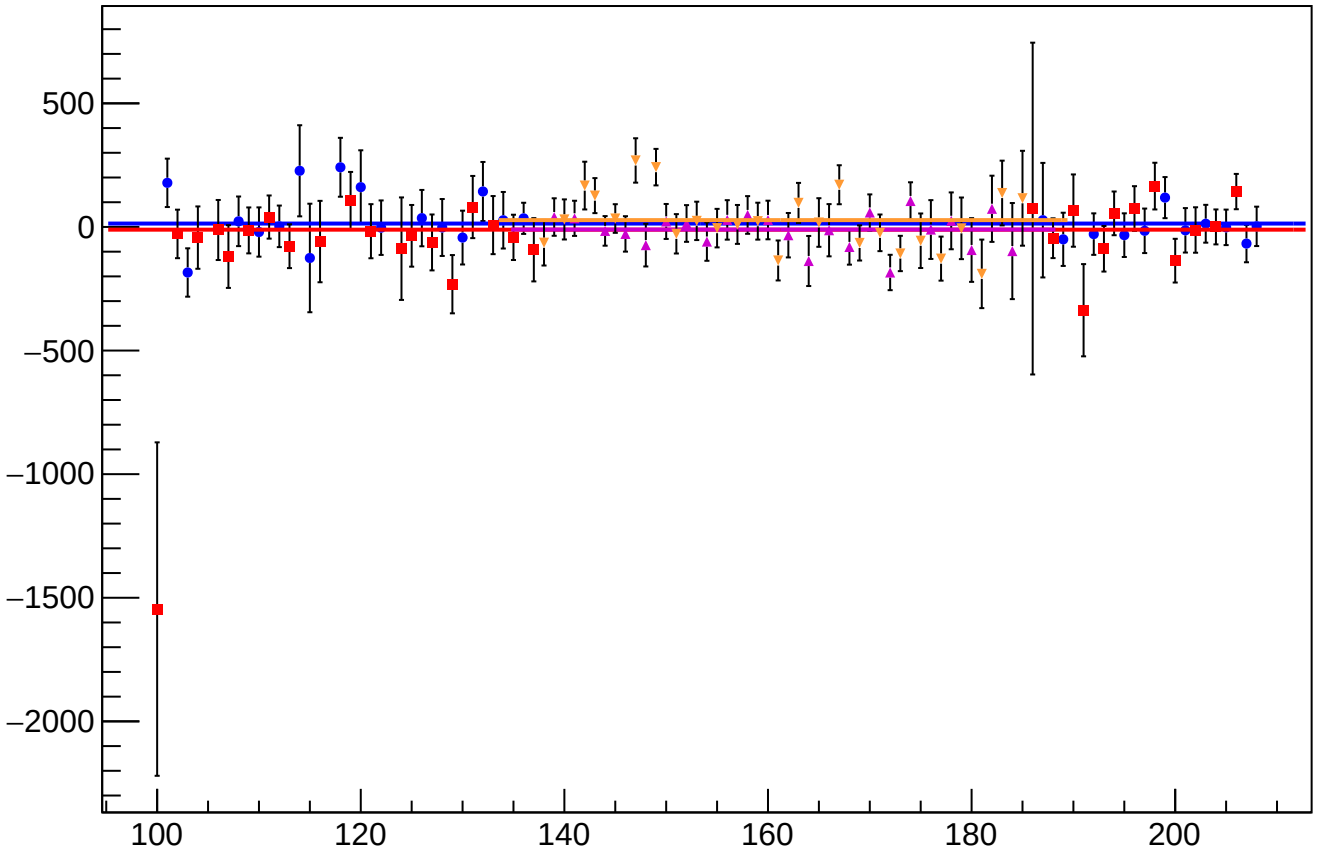
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 362.668+/-0.047 χ^2/NDF: 5551319.8/57

In: 375.077+/-0.046 χ^2/NDF:2798488.6/49

Out: 367.341+/-0.045 χ^2/NDF:3961518.0/55

All: 371.066+/-0.032 χ^2/NDF: 6774359.3/105



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -10.999+/-18.985 χ^2/NDF: 28.8/30

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

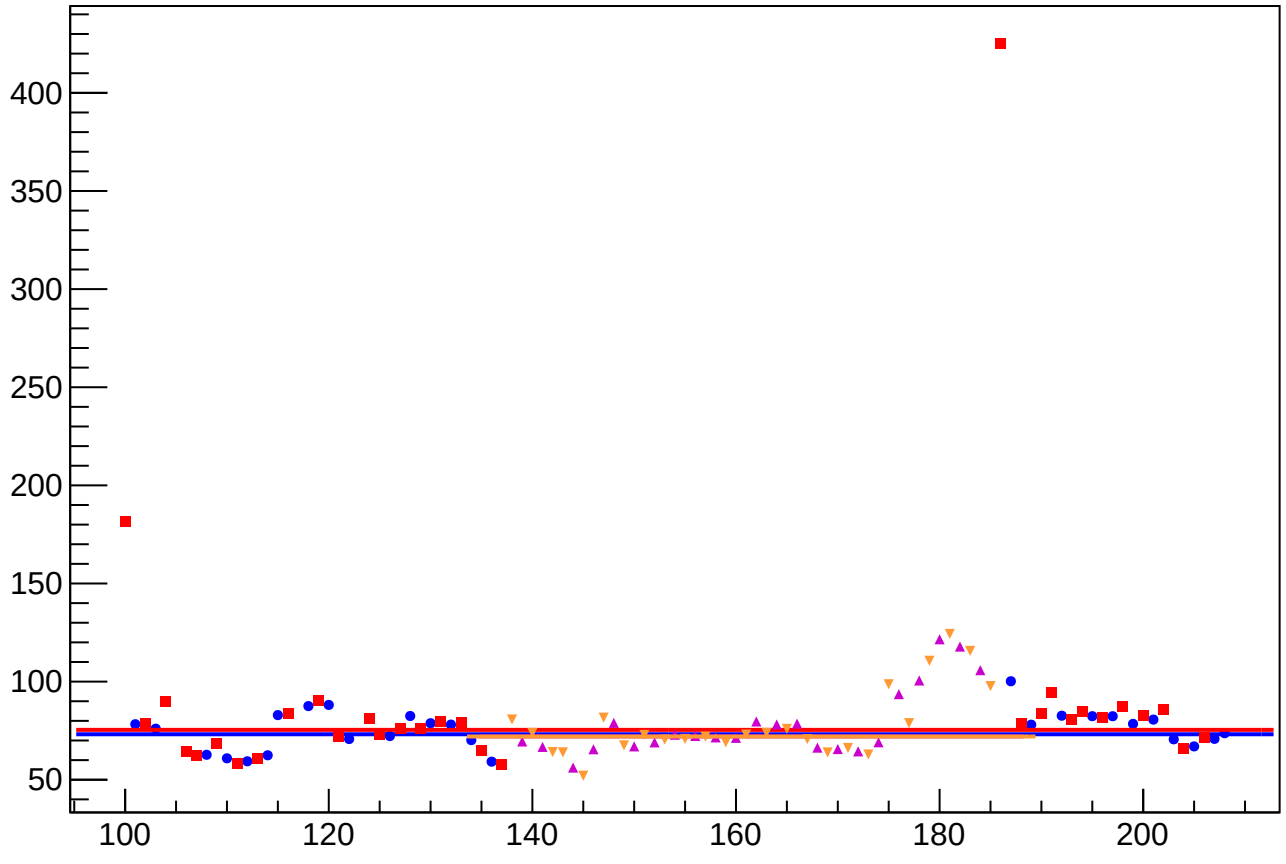
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 1.626+/-13.278 χ^2/NDF: 48.7/57

In: 0.683+/-12.631 χ^2/NDF:36.0/49

Out: 10.729+/-12.557 χ^2/NDF:73.5/55

All: 5.735+/-8.905 χ^2/NDF: 109.8/105



Right In: 73.173+/-0.013 χ^2/NDF: 435472.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.417+/-0.013 χ^2/NDF: 1095252.1/30

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

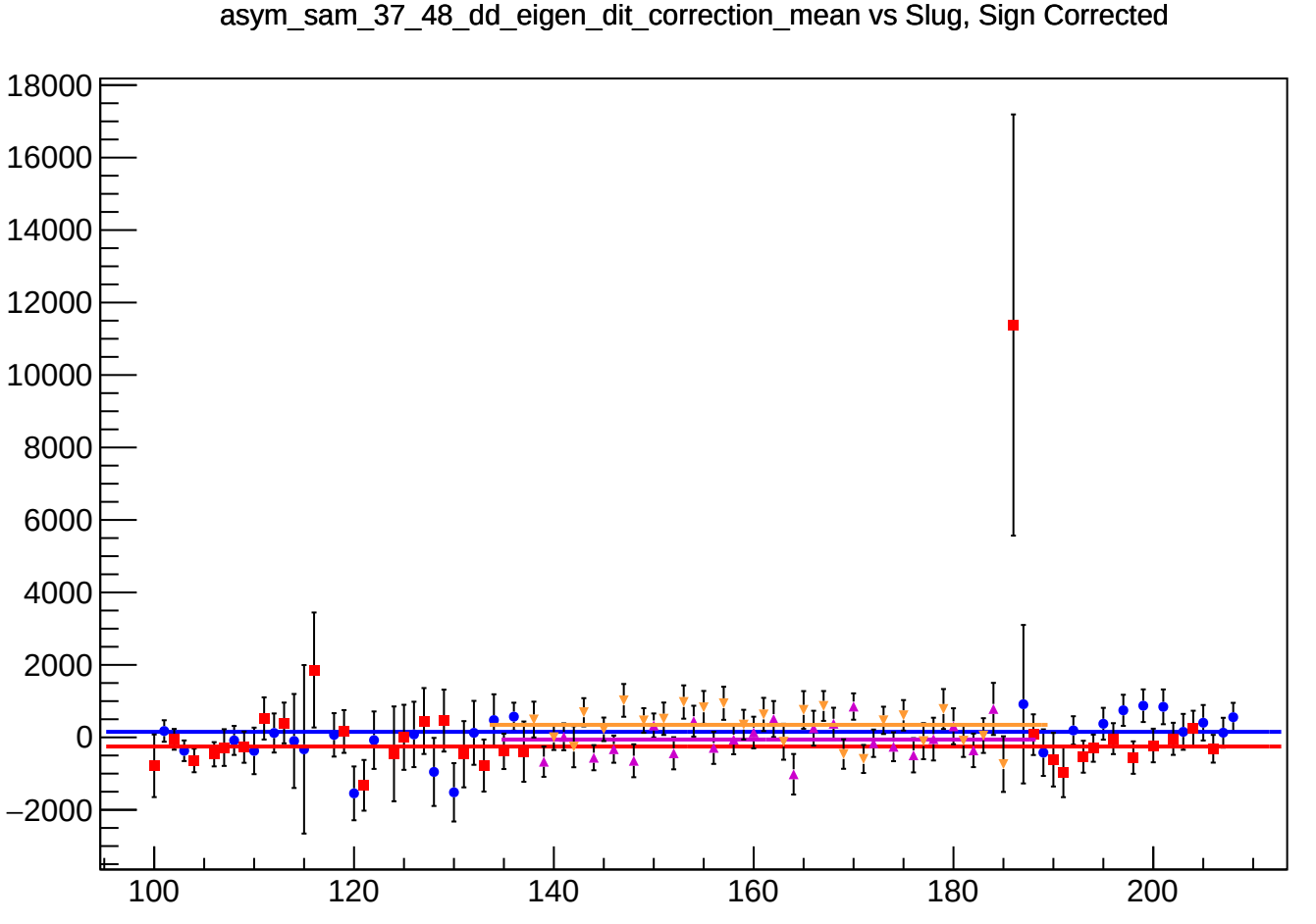
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 74.270+/-0.009 χ^2/NDF: 1544998.2/57

In: 72.592+/-0.009 χ^2/NDF:1497958.7/49

Out: 73.518+/-0.009 χ^2/NDF:2400309.4/55

All: 73.057+/-0.006 χ^2/NDF: 3903673.6/105



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -252.614+/-92.720 χ^2/NDF: 20.5/30

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

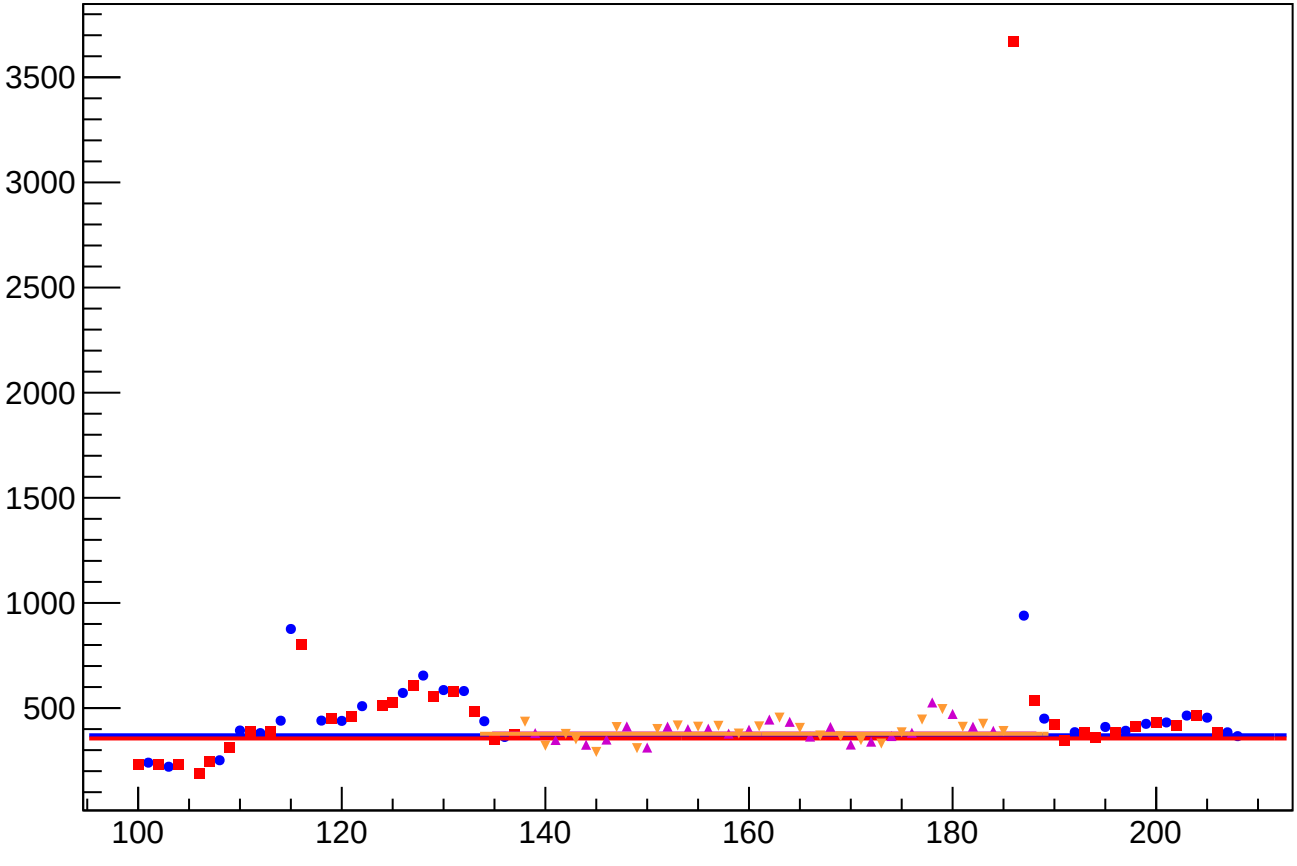
Right: -59.378+/-67.037 χ^2/NDF: 55.6/57

In: 37.516+/-65.754 χ^2/NDF:54.4/49

Out: 66.322+/-63.375 χ^2/NDF:71.7/55

All: 52.449+/-45.631 χ^2/NDF: 126.1/105

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.611+/-0.069 χ^2/NDF: 2262958.8/26

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262703.3/30

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

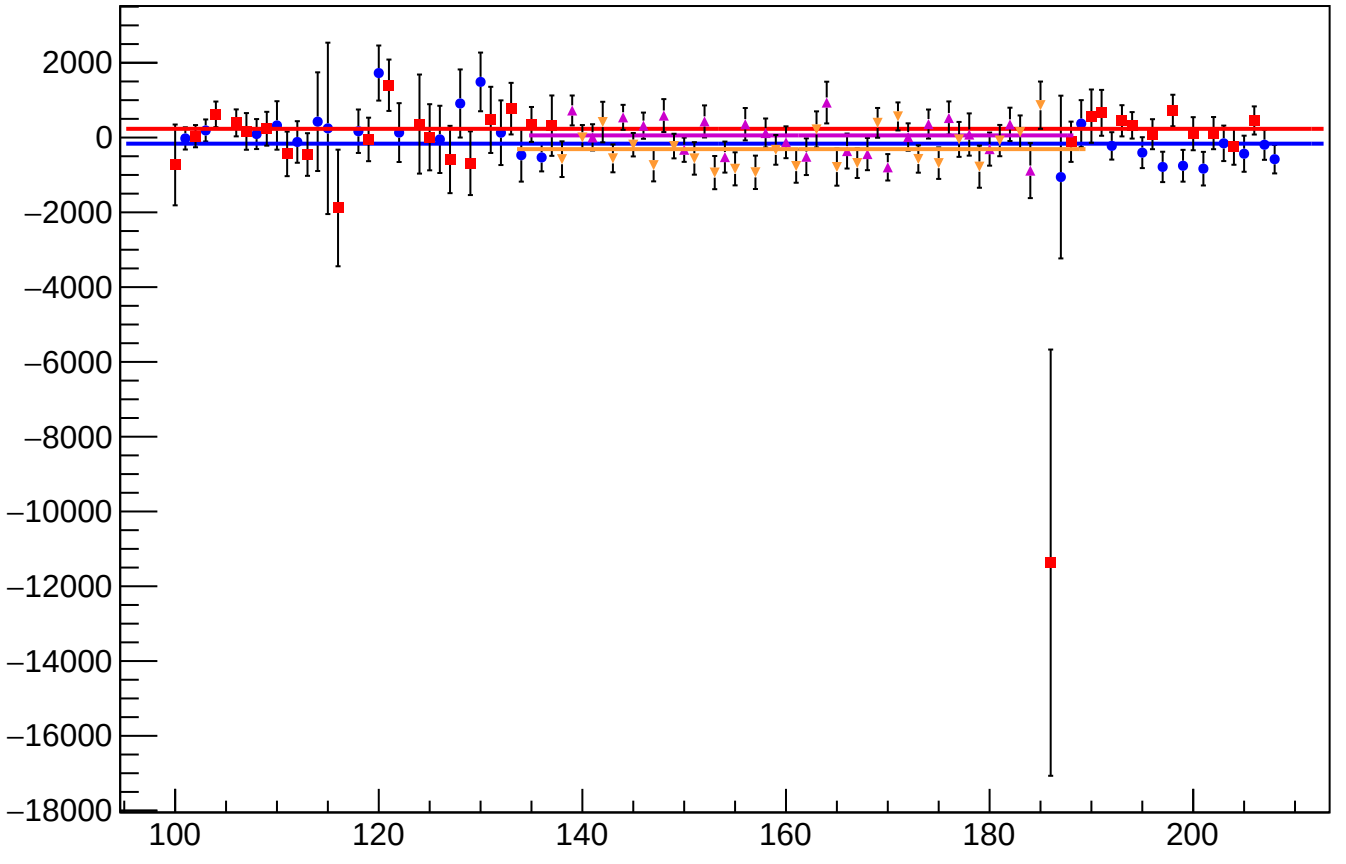
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 362.668+/-0.047 χ^2/NDF: 5551297.4/57

In: 375.077+/-0.046 χ^2/NDF:2798473.7/49

Out: 367.341+/-0.045 χ^2/NDF:3961503.6/55

All: 371.066+/-0.032 χ^2/NDF: 6774330.5/105



Right In: -163.507+/-94.963 χ^2/NDF: 26.3/26

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 233.357+/-91.984 χ^2/NDF: 21.8/30

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

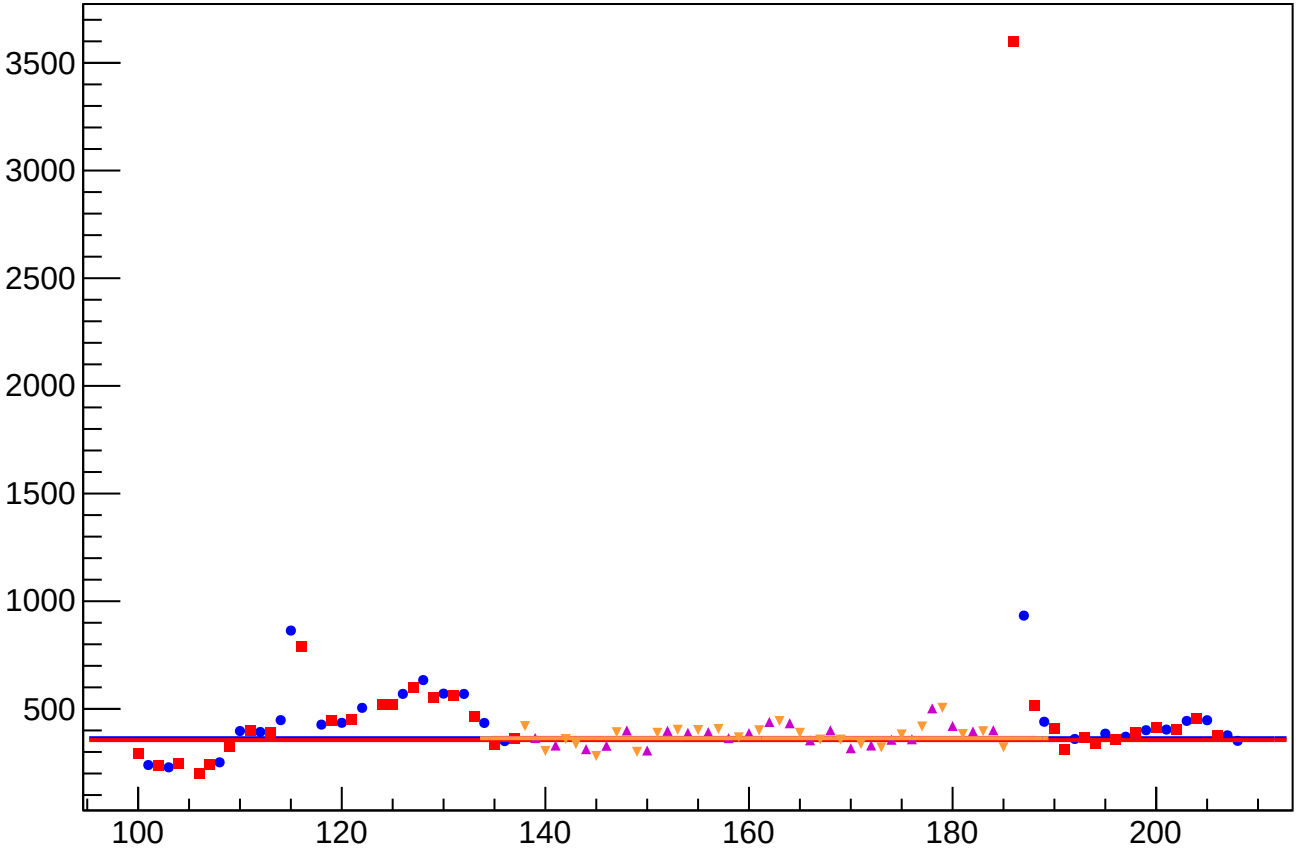
Right: 41.246+/-66.070 χ^2/NDF: 57.1/57

In: -42.346+/-63.836 χ^2/NDF:57.3/49

Out: -63.501+/-61.909 χ^2/NDF:70.8/55

All: -53.248+/-44.442 χ^2/NDF: 128.1/105

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 363.897+/-0.067 χ^2/NDF: 2031619.3/26

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 355.059+/-0.065 χ^2/NDF: 2804121.5/30

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

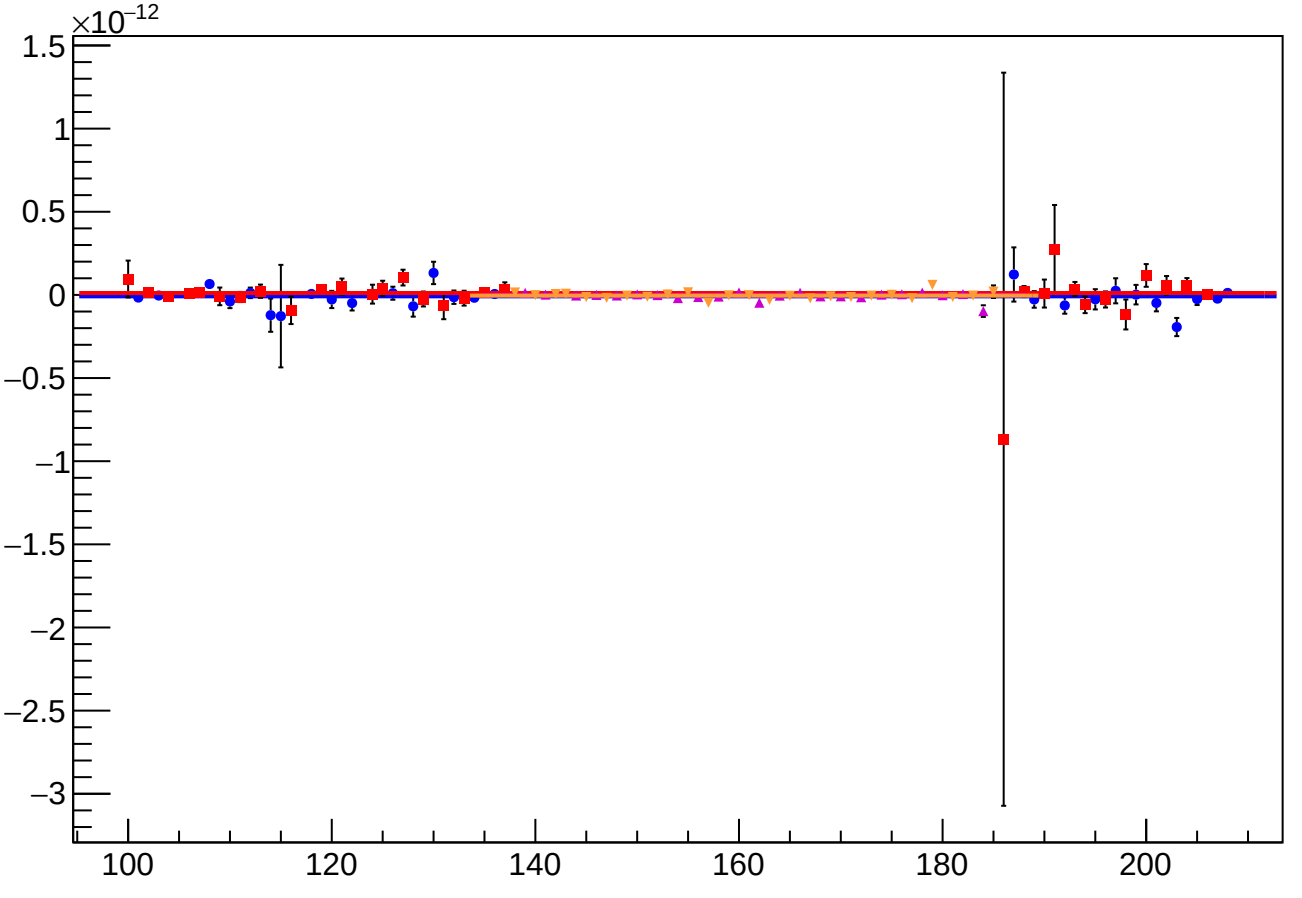
Right: 359.338+/-0.047 χ^2/NDF: 4844677.8/57

In: 364.679+/-0.045 χ^2/NDF:2541363.2/49

Out: 359.794+/-0.044 χ^2/NDF:3483051.1/55

All: 362.162+/-0.031 χ^2/NDF: 6030451.0/105

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.8/30

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

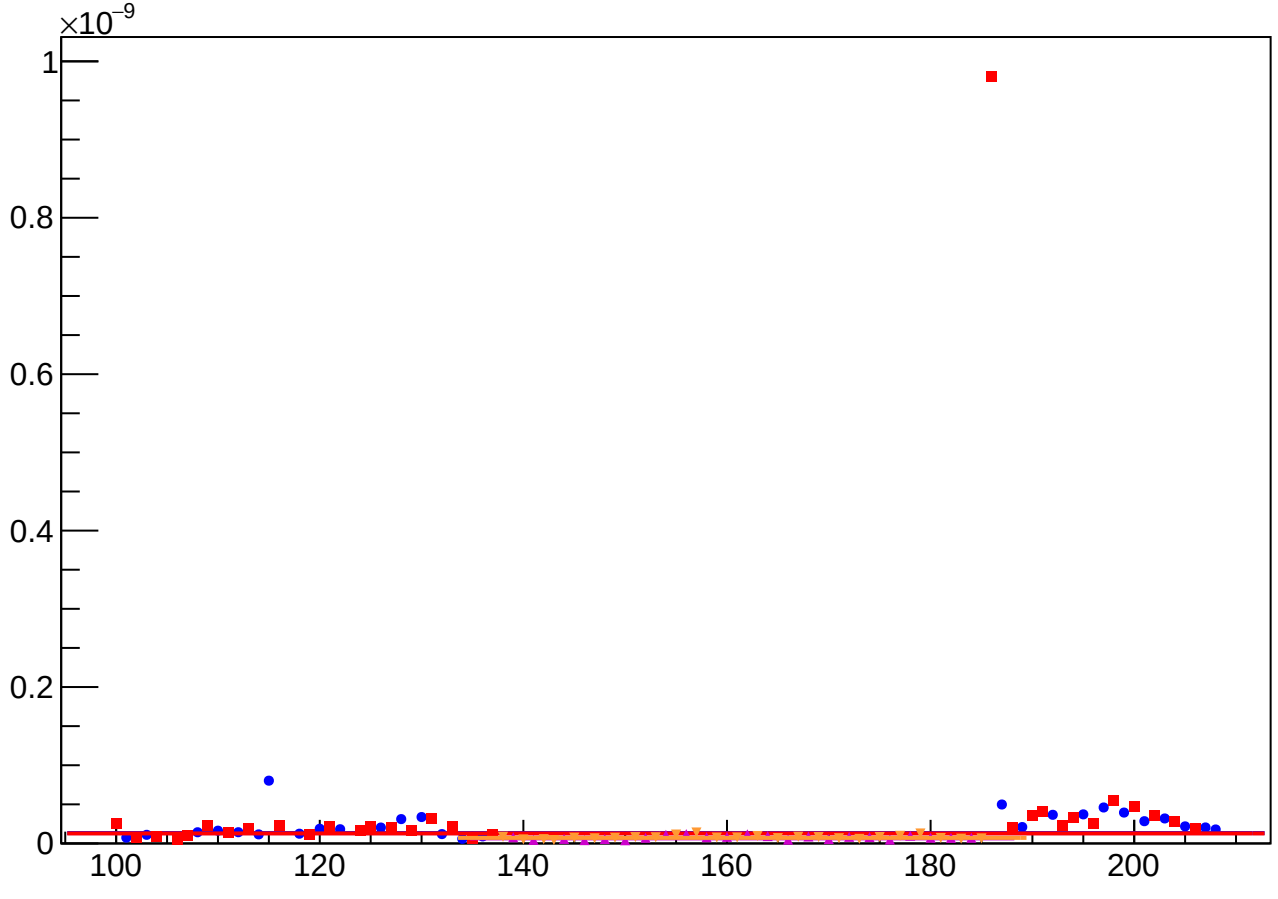
Right: 0.000+/-0.000 χ^2/NDF: 61.0/57

In: -0.000+/-0.000 χ^2/NDF:55.3/49

Out: -0.000+/-0.000 χ^2/NDF:50.6/55

All: -0.000+/-0.000 χ^2/NDF: 106.0/105

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3951814.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4685988.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

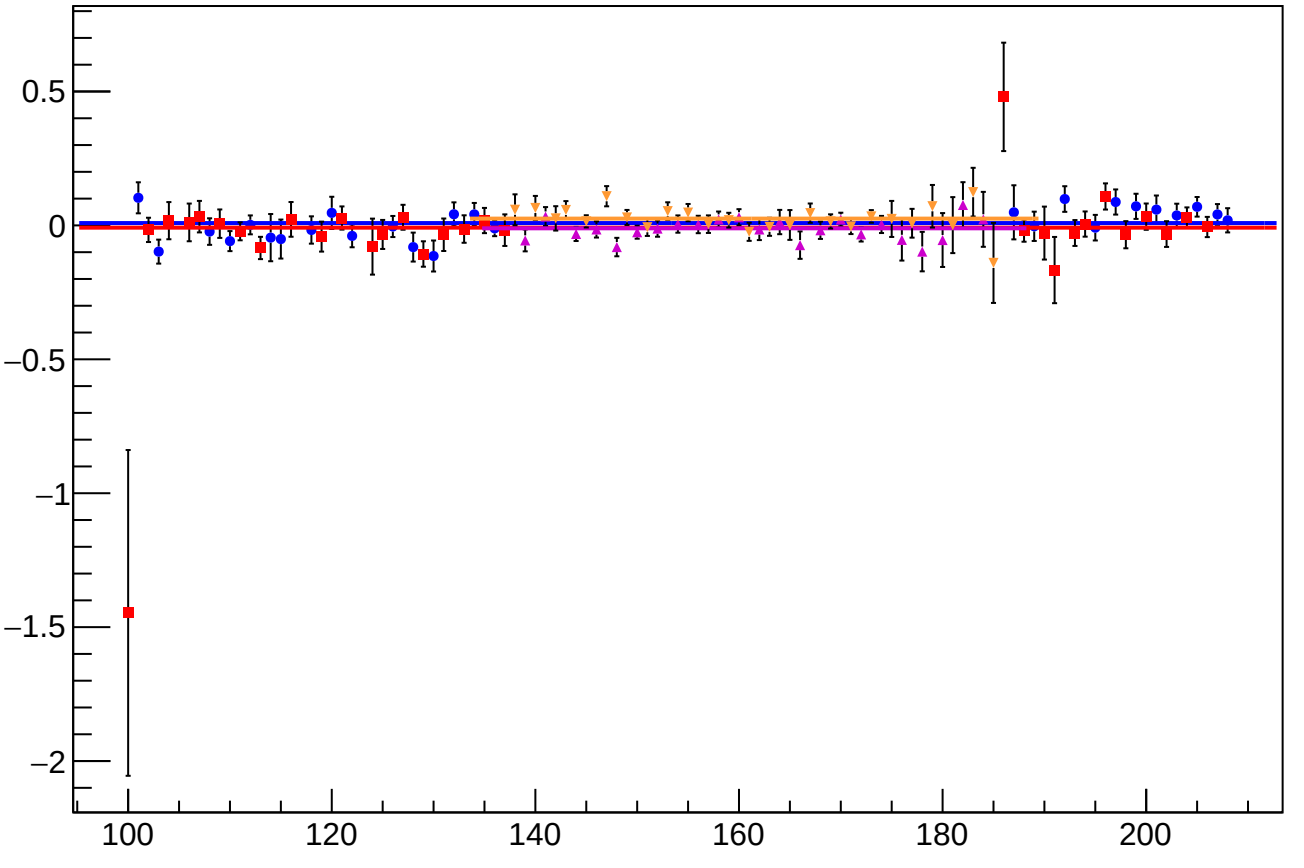
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8644203.3/57

In: 0.000+/-0.000 χ^2/NDF:7449531.2/49

Out: 0.000+/-0.000 χ^2/NDF:7121570.8/55

All: 0.000+/-0.000 χ^2/NDF: 14610253.4/105



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

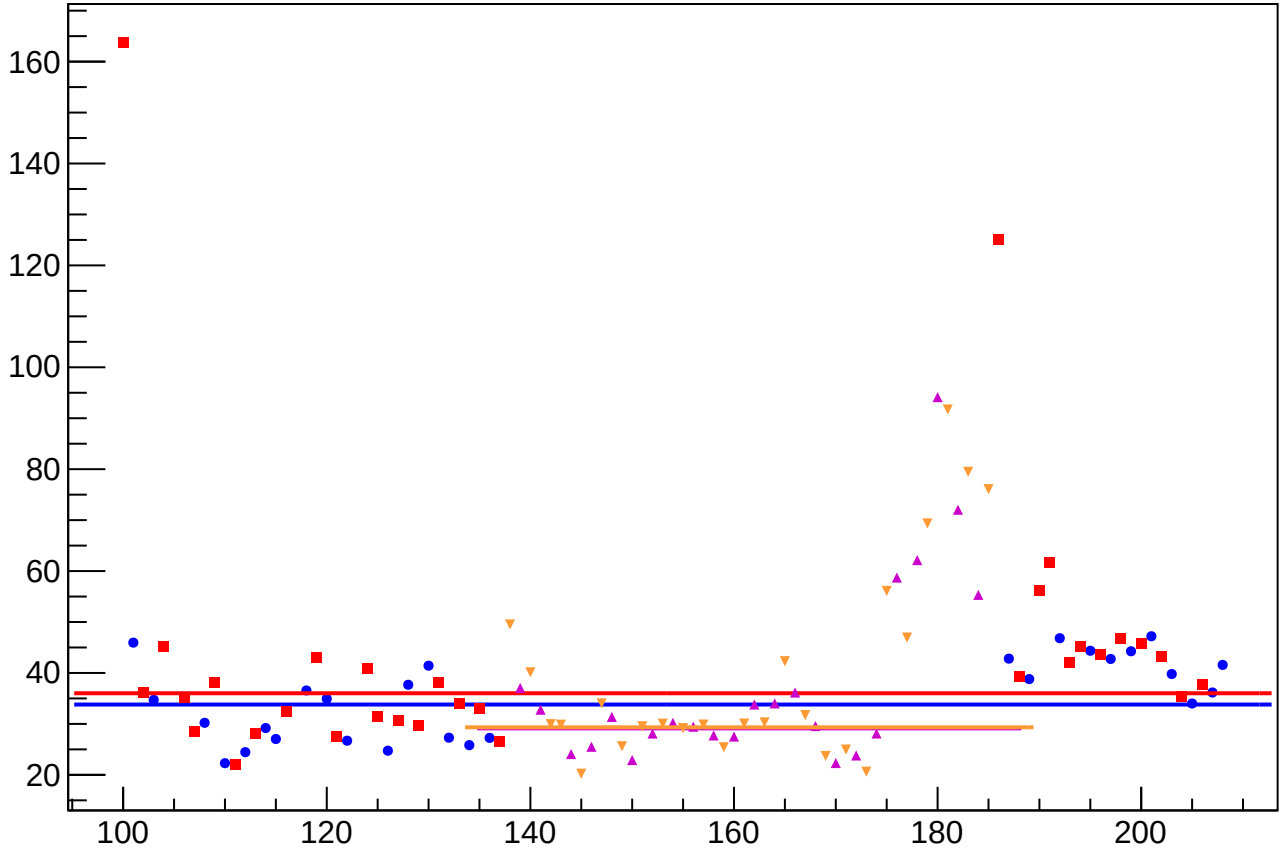
Right: 0.001+/-0.006 χ^2/NDF: 72.1/57

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.7/105

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

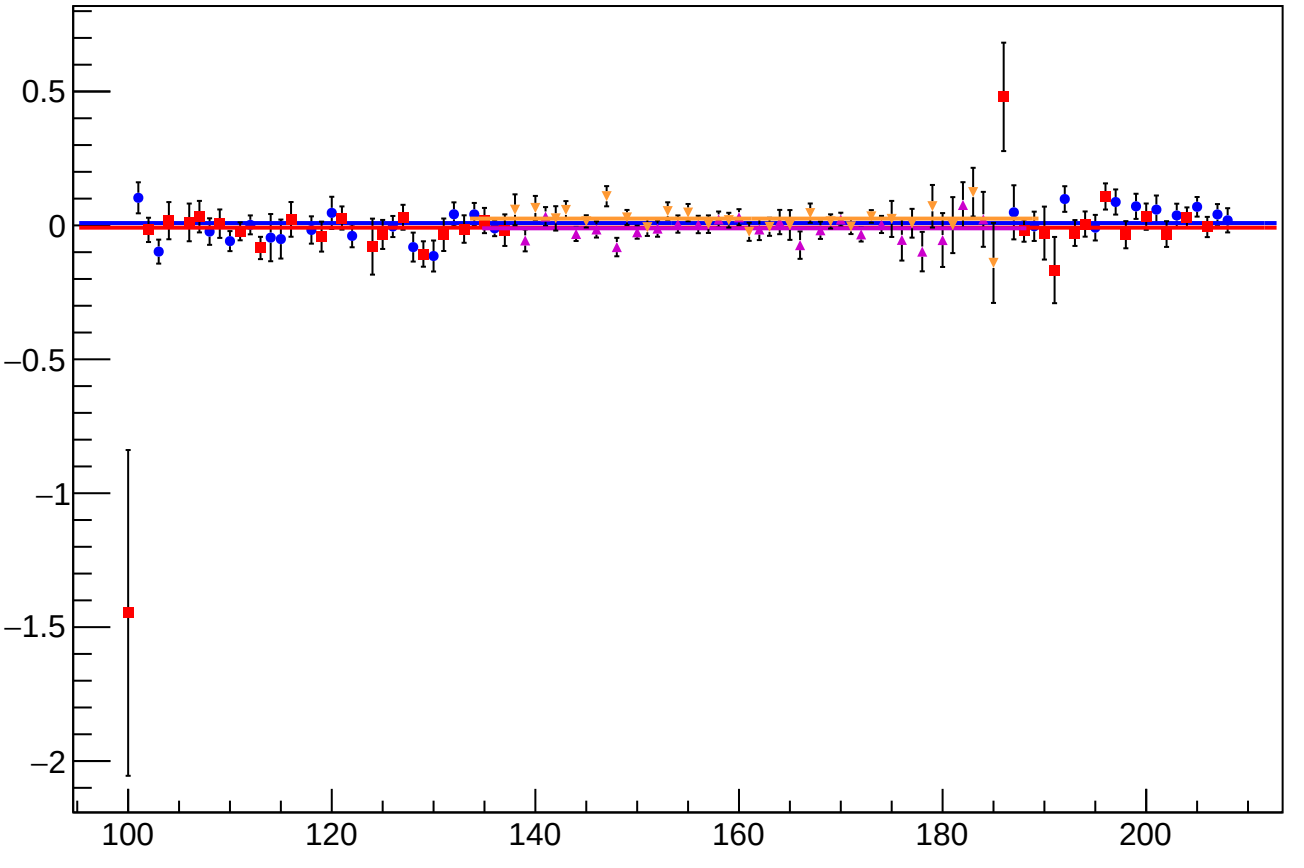
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.853+/-0.005 χ^2/NDF: 3403708.1/57

In: 31.017+/-0.004 χ^2/NDF:4733768.1/49

Out: 31.826+/-0.004 χ^2/NDF:6303070.2/55

All: 31.418+/-0.003 χ^2/NDF: 11057288.3/105



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

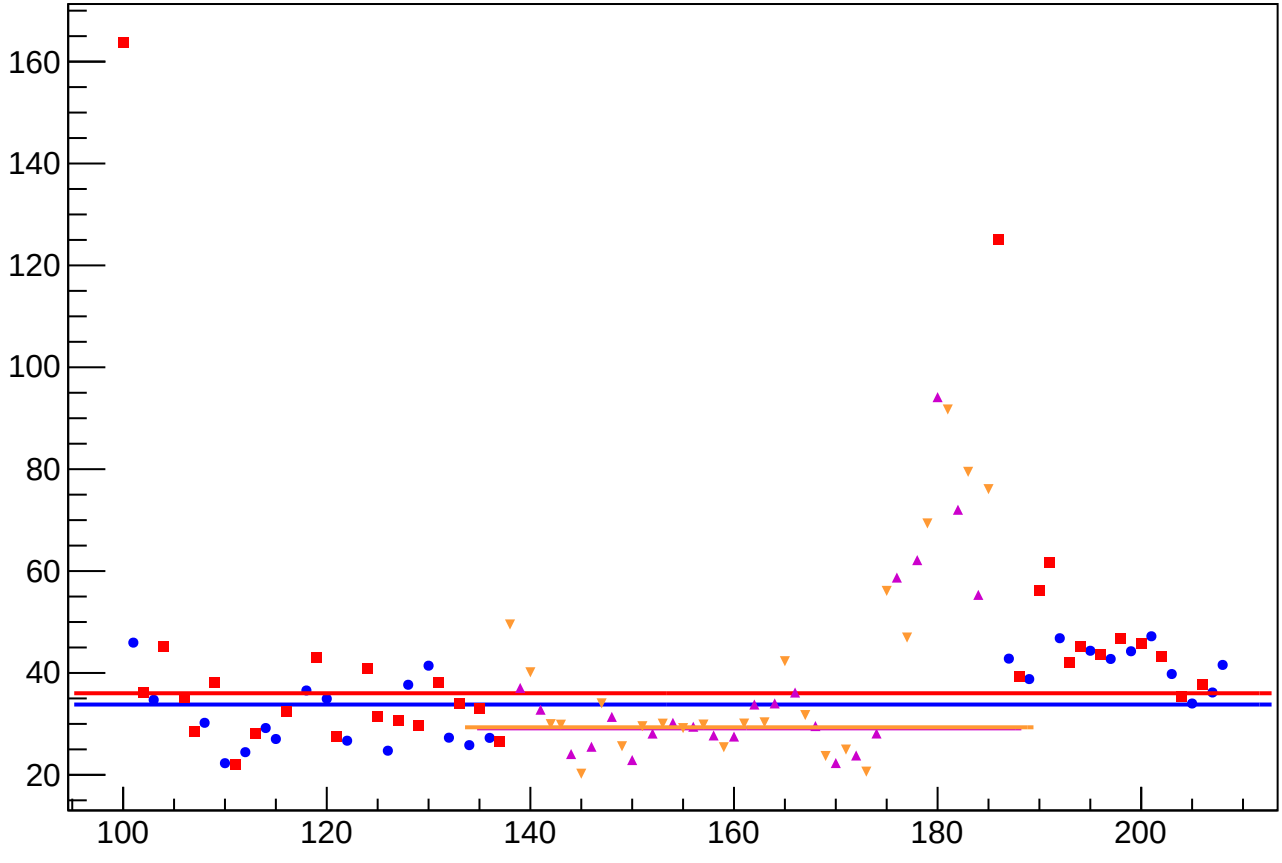
Right: 0.001+/-0.006 χ^2/NDF: 72.1/57

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.7/105

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

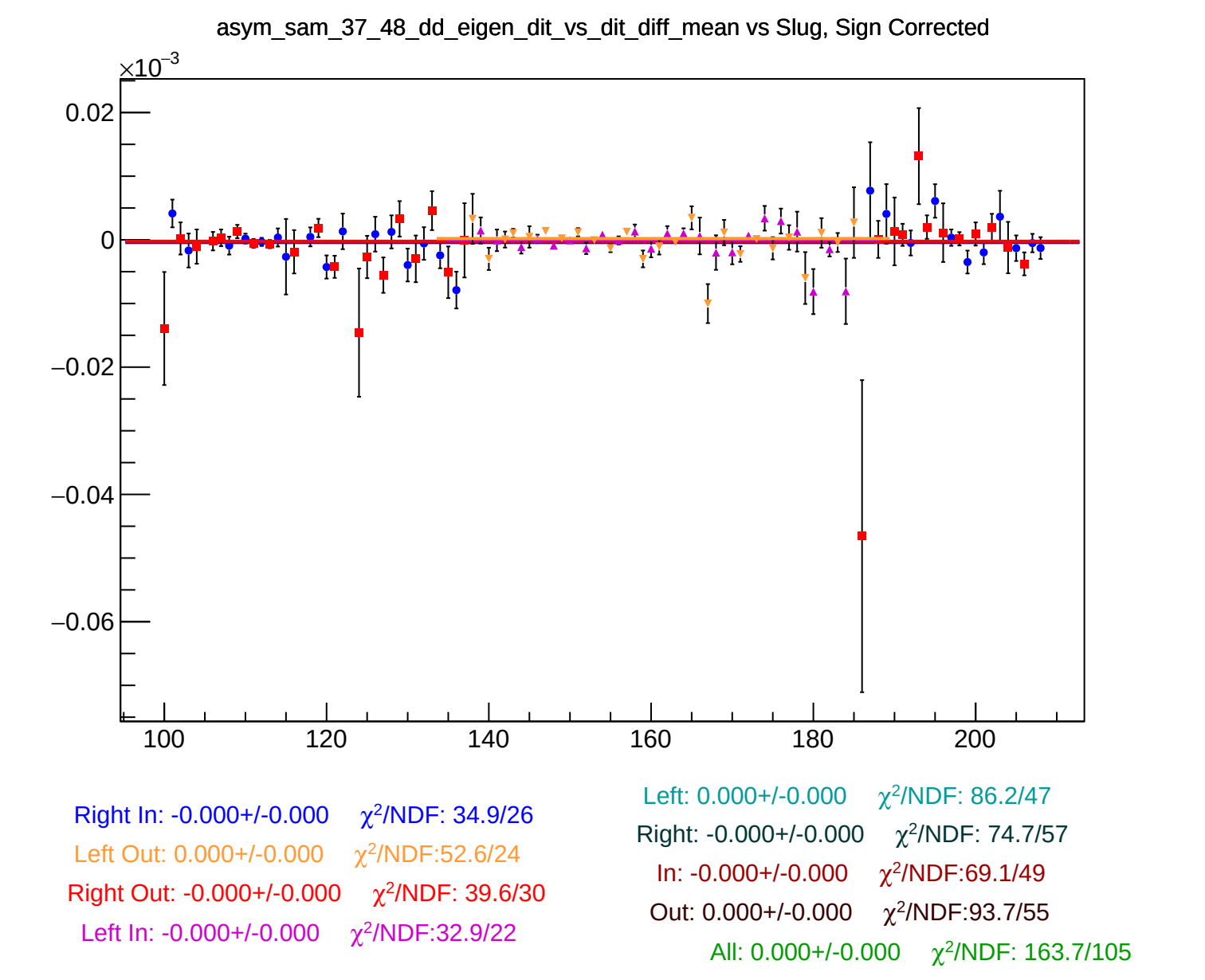
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

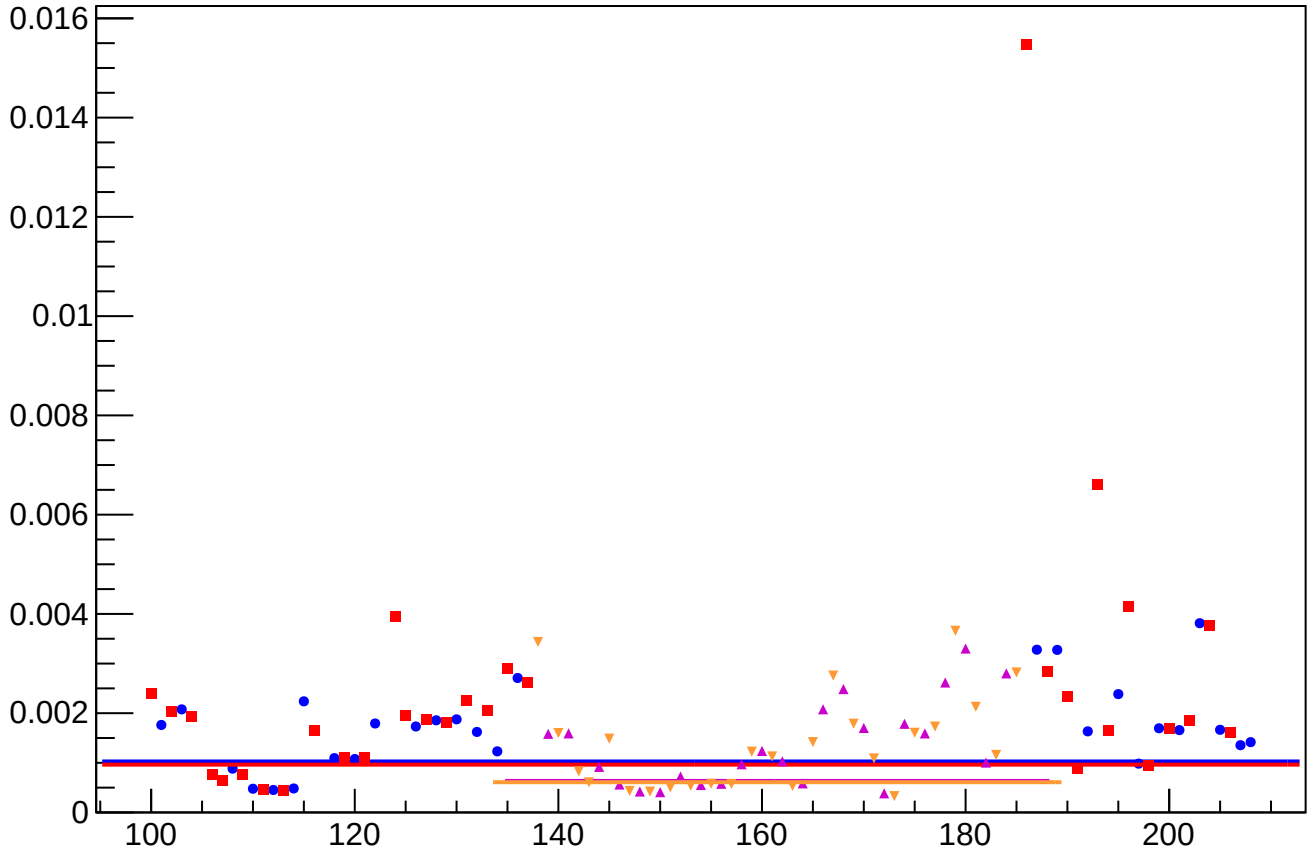
Right: 34.853+/-0.005 χ^2/NDF: 3403708.1/57

In: 31.017+/-0.004 χ^2/NDF:4733768.1/49

Out: 31.826+/-0.004 χ^2/NDF:6303070.2/55

All: 31.418+/-0.003 χ^2/NDF: 11057288.3/105


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.9/26
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.6/30
Left In: -0.000+/-0.000 χ²/NDF:32.9/22
Left: 0.000+/-0.000 χ²/NDF: 86.2/47
Right: -0.000+/-0.000 χ²/NDF: 74.7/57
In: -0.000+/-0.000 χ²/NDF:69.1/49
Out: 0.000+/-0.000 χ²/NDF:93.7/55
All: 0.000+/-0.000 χ²/NDF: 163.7/105



Right In: 0.001+/-0.000 χ^2/NDF: 8263430.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11083384.6/30

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

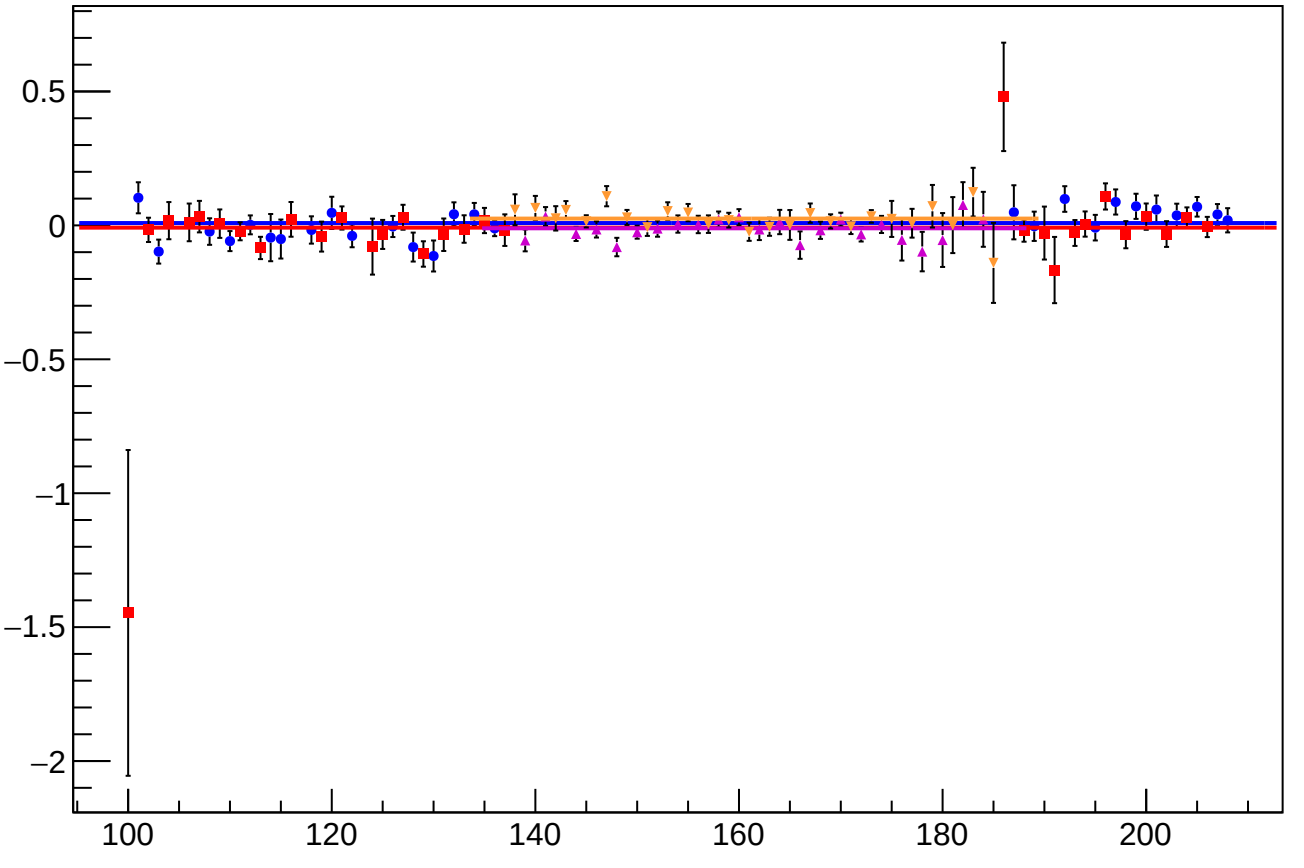
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 19389968.5/57

In: 0.001+/-0.000 χ^2/NDF:19969098.6/49

Out: 0.001+/-0.000 χ^2/NDF:24127073.4/55

All: 0.001+/-0.000 χ^2/NDF: 44165780.2/105



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

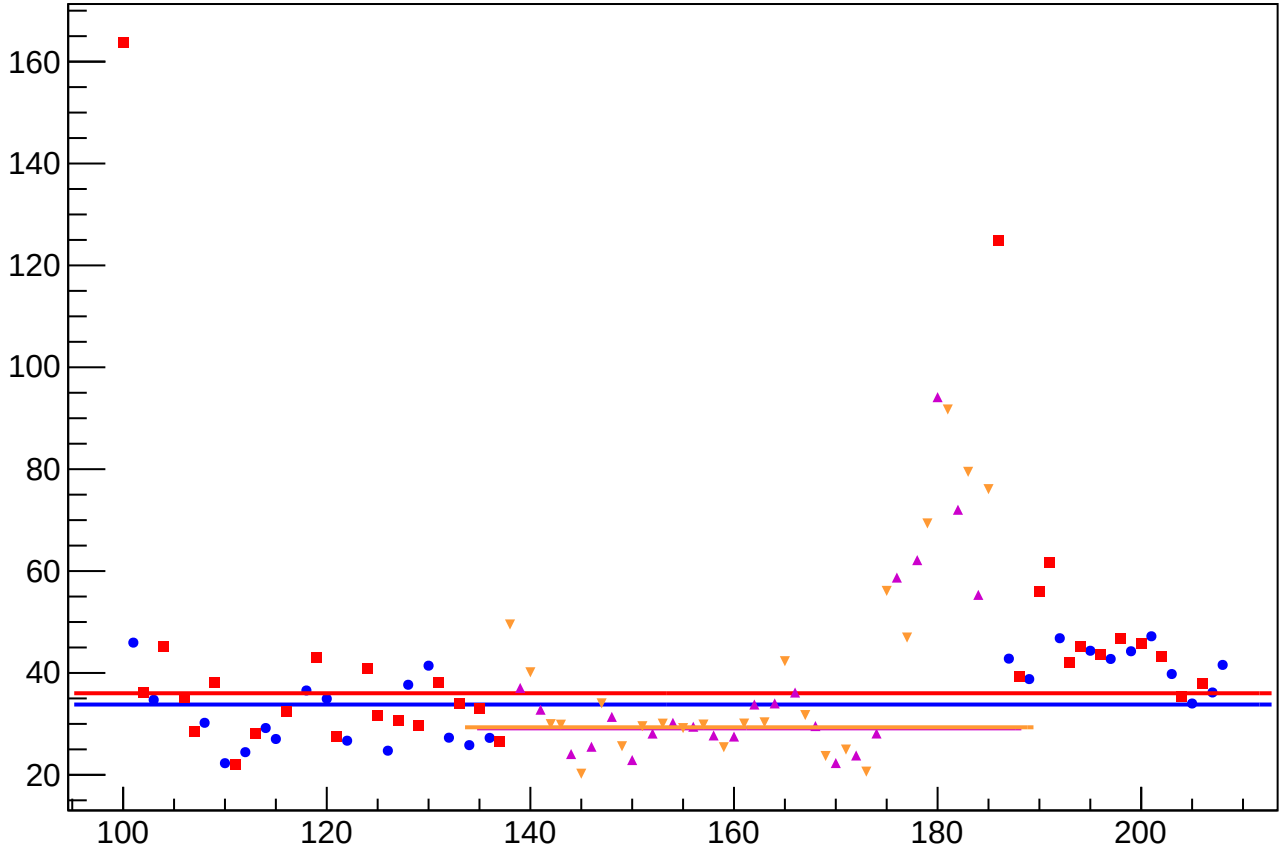
Right: 0.001+/-0.006 χ^2/NDF: 72.1/57

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.7/105

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

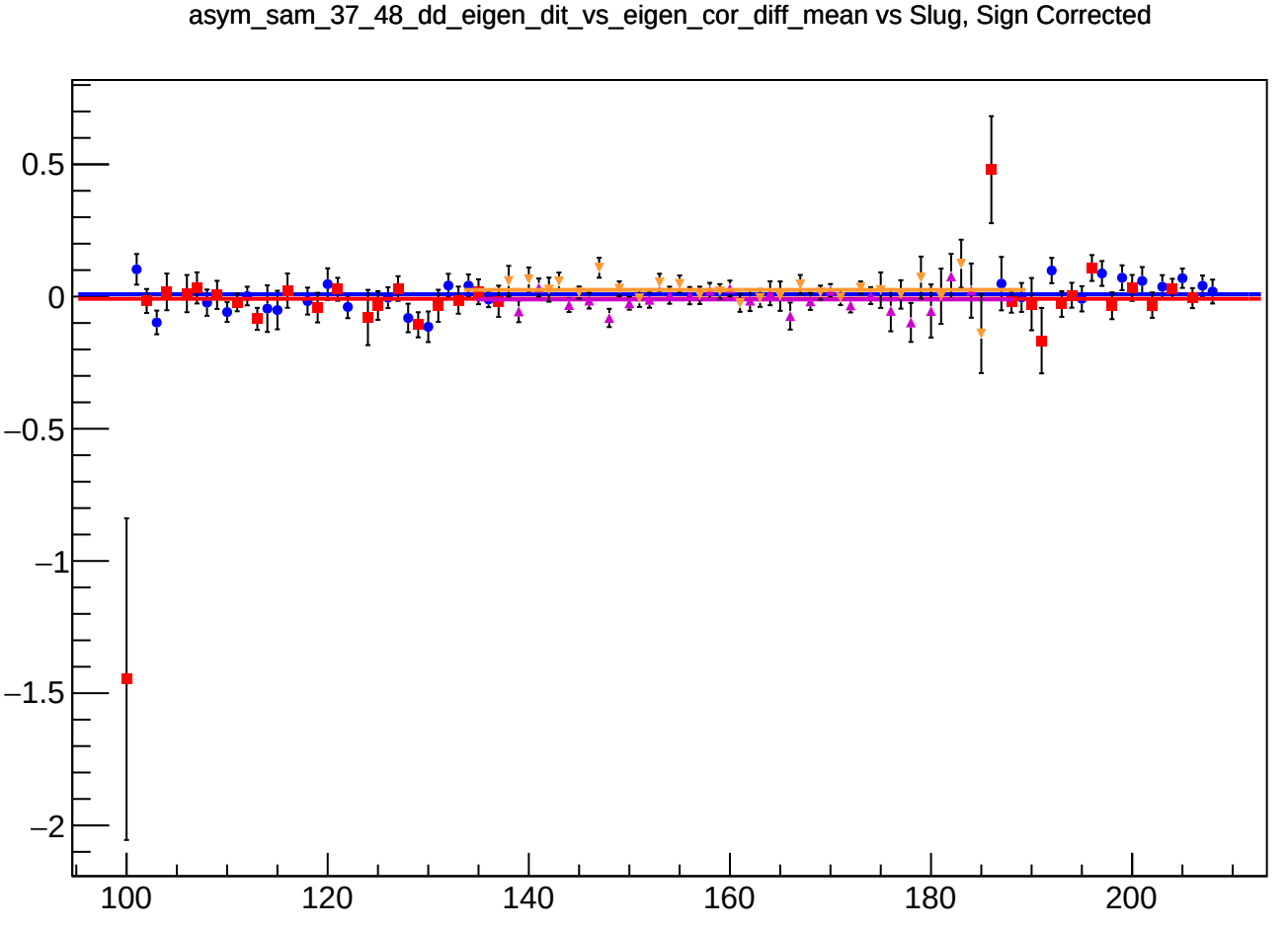
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.853+/-0.005 χ^2/NDF: 3403546.7/57

In: 31.017+/-0.004 χ^2/NDF:4733694.3/49

Out: 31.826+/-0.004 χ^2/NDF:6303094.7/55

All: 31.418+/-0.003 χ^2/NDF: 11057238.2/105



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

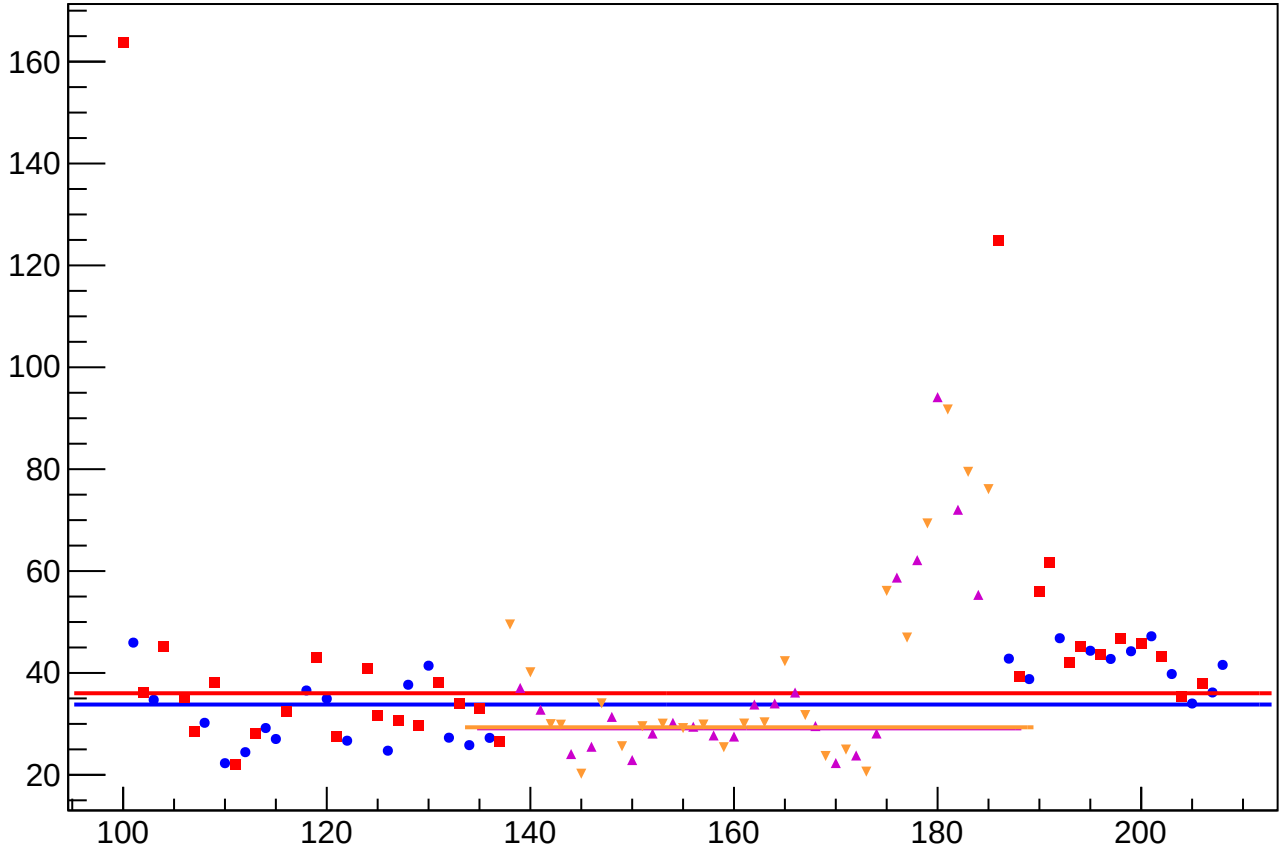
Right: 0.001+/-0.006 χ^2/NDF: 72.1/57

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.7/105

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

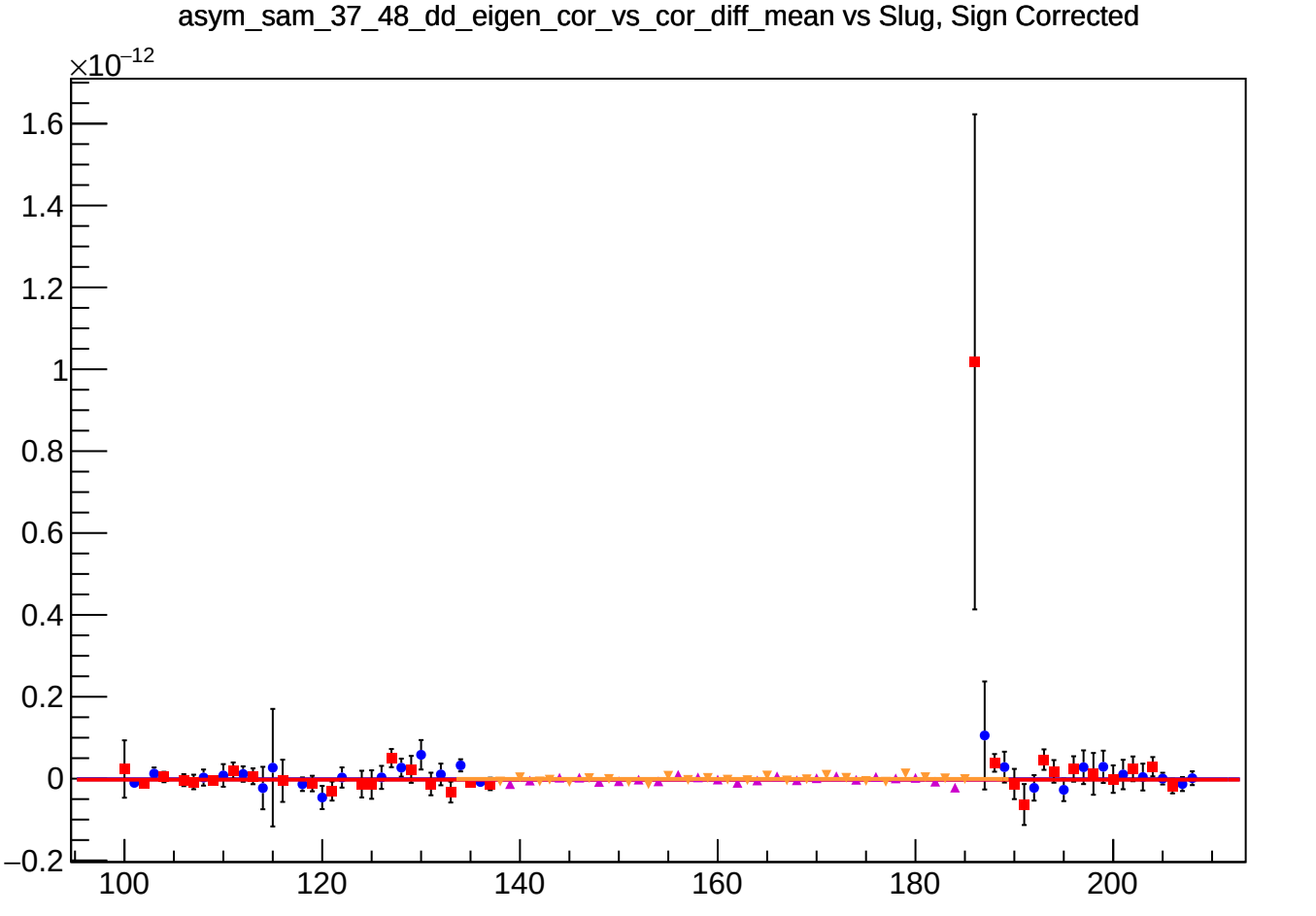
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.853+/-0.005 χ^2/NDF: 3403546.7/57

In: 31.017+/-0.004 χ^2/NDF:4733694.3/49

Out: 31.826+/-0.004 χ^2/NDF:6303094.7/55

All: 31.418+/-0.003 χ^2/NDF: 11057238.2/105



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/30

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

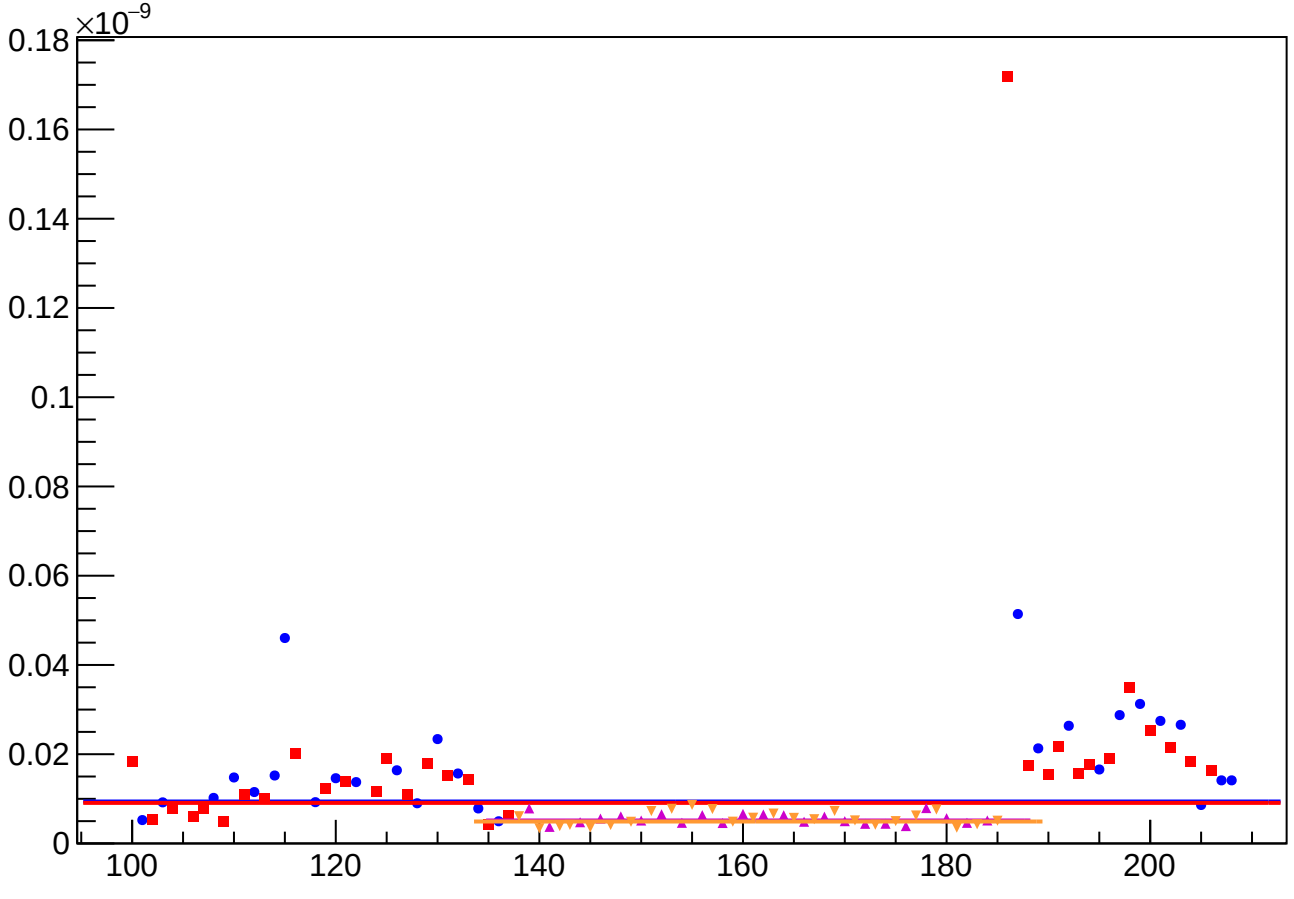
Right: -0.000+/-0.000 χ^2/NDF: 51.9/57

In: -0.000+/-0.000 χ^2/NDF:37.8/49

Out: -0.000+/-0.000 χ^2/NDF:45.9/55

All: -0.000+/-0.000 χ^2/NDF: 83.8/105

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6017702.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625516.9/30

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

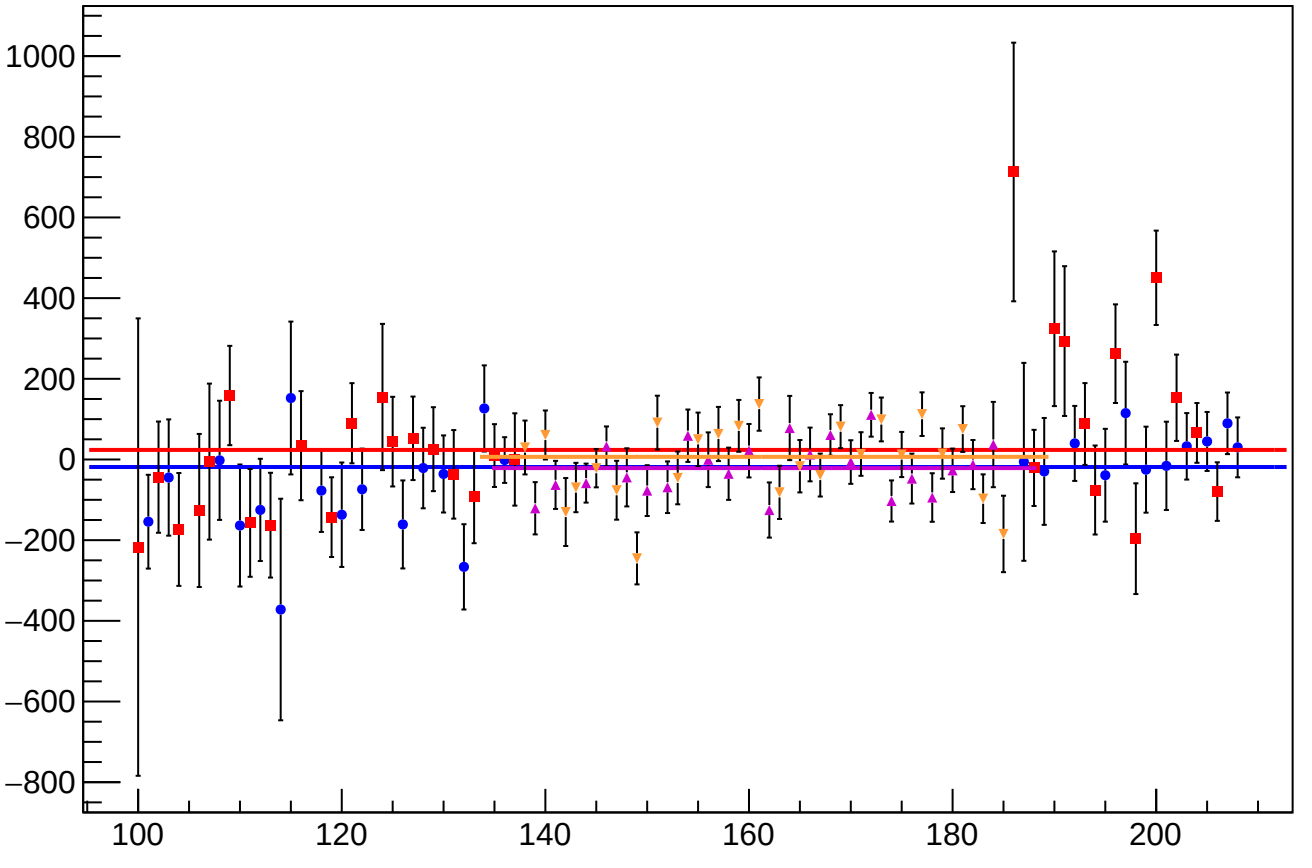
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

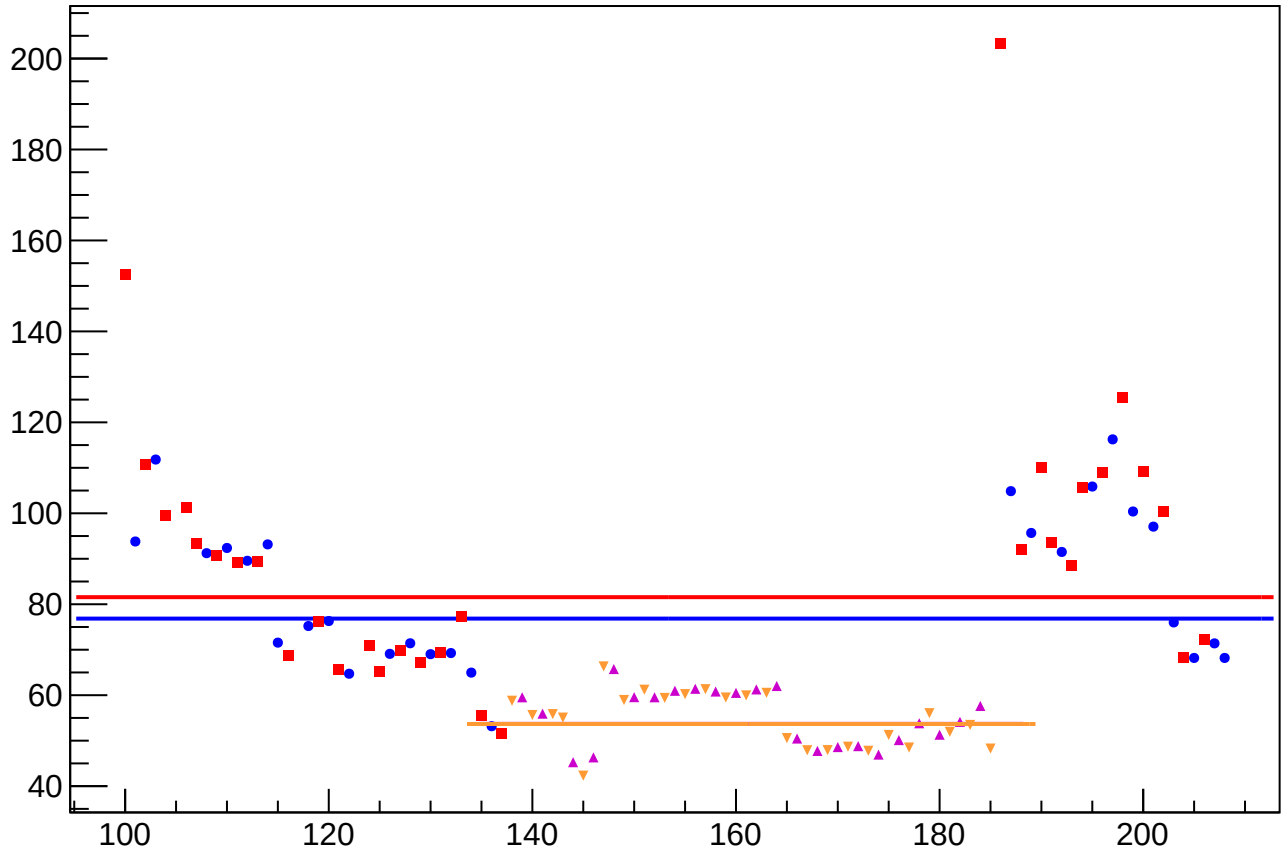
Right: 0.000+/-0.000 χ^2/NDF: 11651575.4/57

In: 0.000+/-0.000 χ^2/NDF:9628727.8/49

Out: 0.000+/-0.000 χ^2/NDF:10156737.3/55

All: 0.000+/-0.000 χ^2/NDF: 19828479.0/105


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -18.682+/-19.859 χ²/NDF: 21.2/26
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 23.736+/-20.820 χ²/NDF: 47.6/30
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: 1.526+/-14.370 χ²/NDF: 71.0/57
In: -20.570+/-10.669 χ²/NDF:46.6/49
Out: 10.970+/-10.582 χ²/NDF:98.7/55
All: -4.671+/-7.513 χ²/NDF: 149.7/105



Right In: 76.843+/-0.014 χ^2/NDF: 1338151.6/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.556+/-0.015 χ^2/NDF: 1834685.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

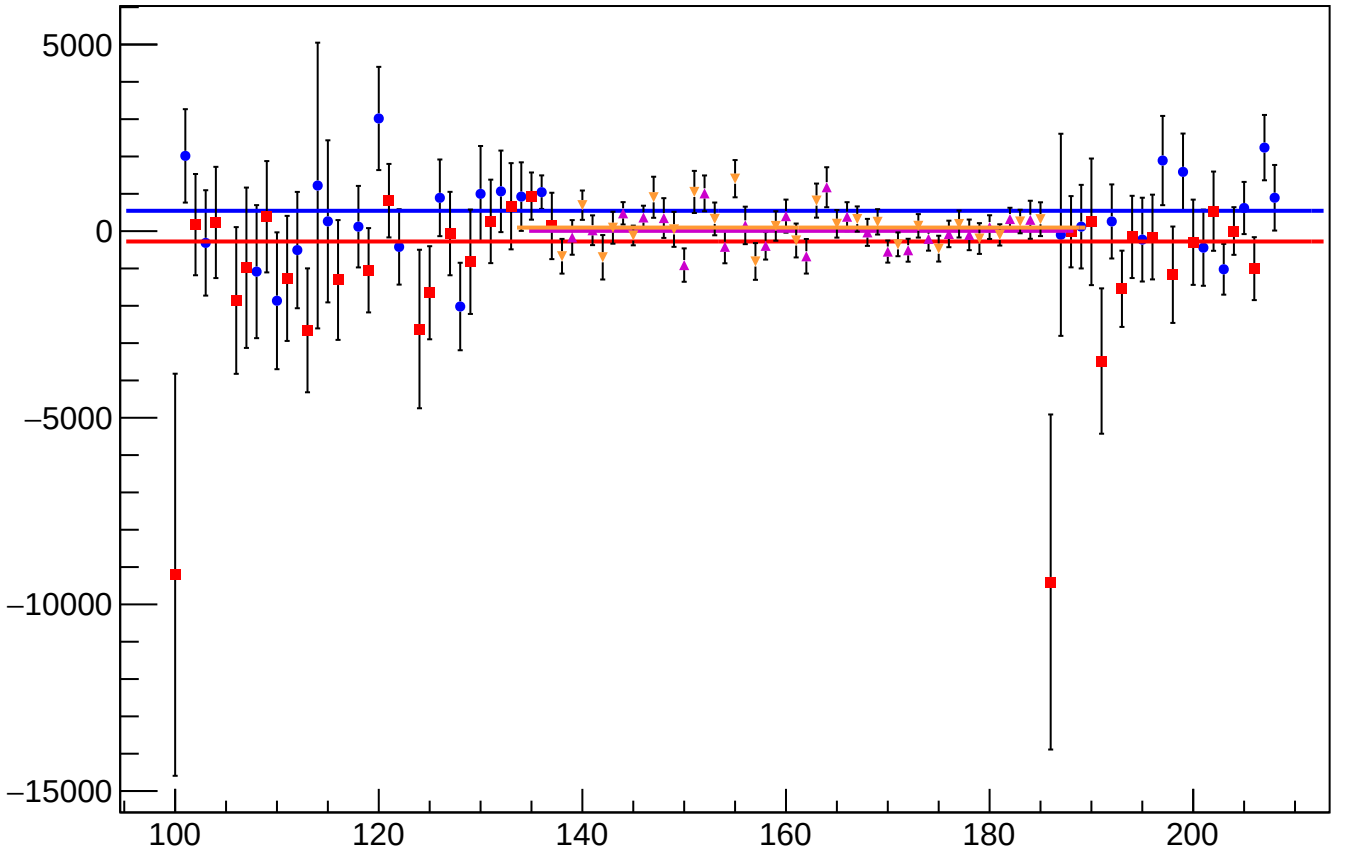
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.089+/-0.010 χ^2/NDF: 3226500.8/57

In: 60.376+/-0.008 χ^2/NDF:3742662.2/49

Out: 60.871+/-0.007 χ^2/NDF:4968952.5/55

All: 60.625+/-0.005 χ^2/NDF: 8713784.1/105



Right In: 545.037+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -277.268+/-209.421 χ^2/NDF: 26.5/30

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

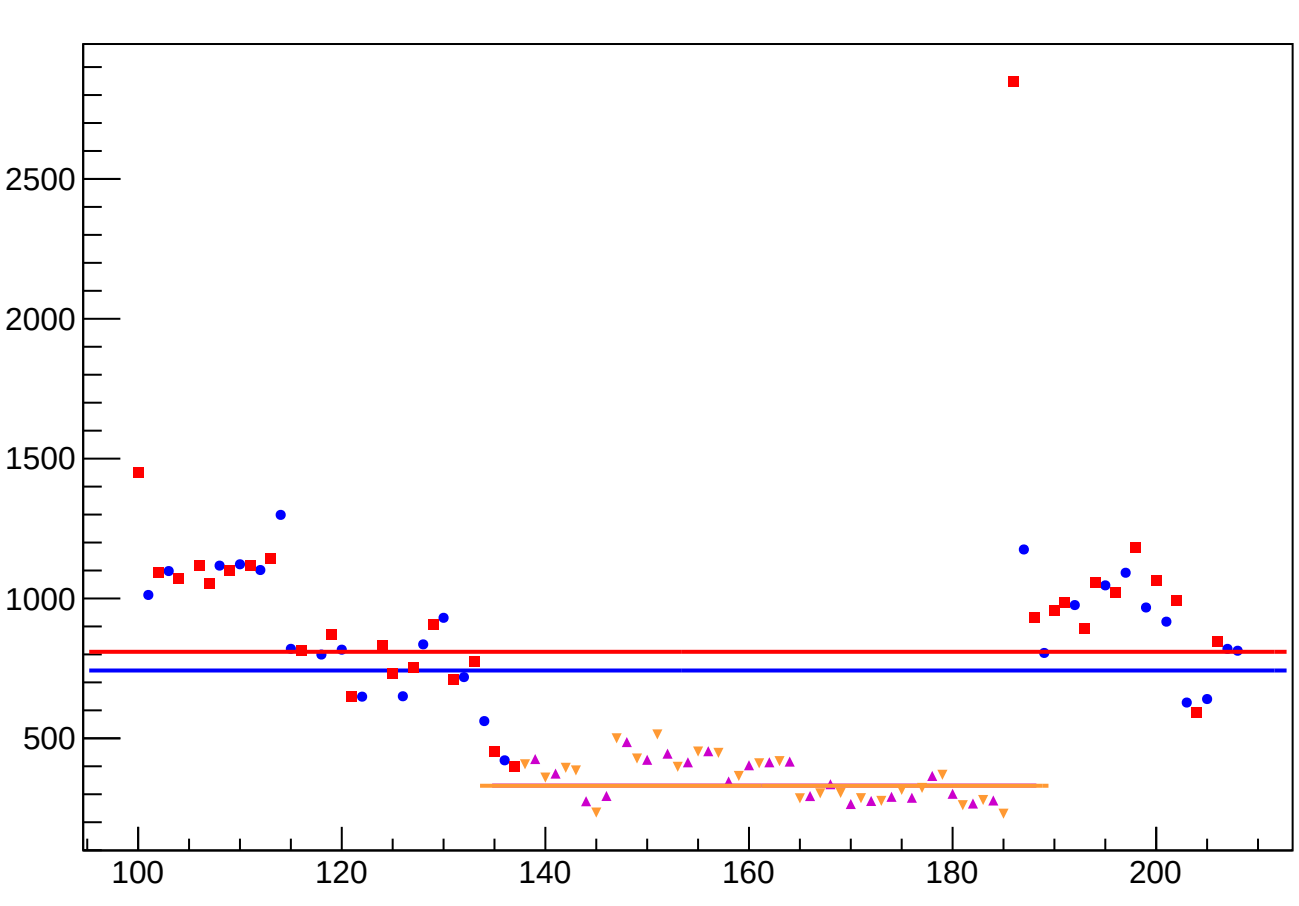
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 162.459+/-142.845 χ^2/NDF: 63.7/57

In: 83.593+/-73.337 χ^2/NDF:67.8/49

Out: 50.932+/-72.381 χ^2/NDF:62.4/55

All: 67.048+/-51.516 χ^2/NDF: 130.3/105



Right In: 742.458+/-0.138 χ^2/NDF: 2515403.5/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 809.322+/-0.148 χ^2/NDF: 2867570.5/30

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

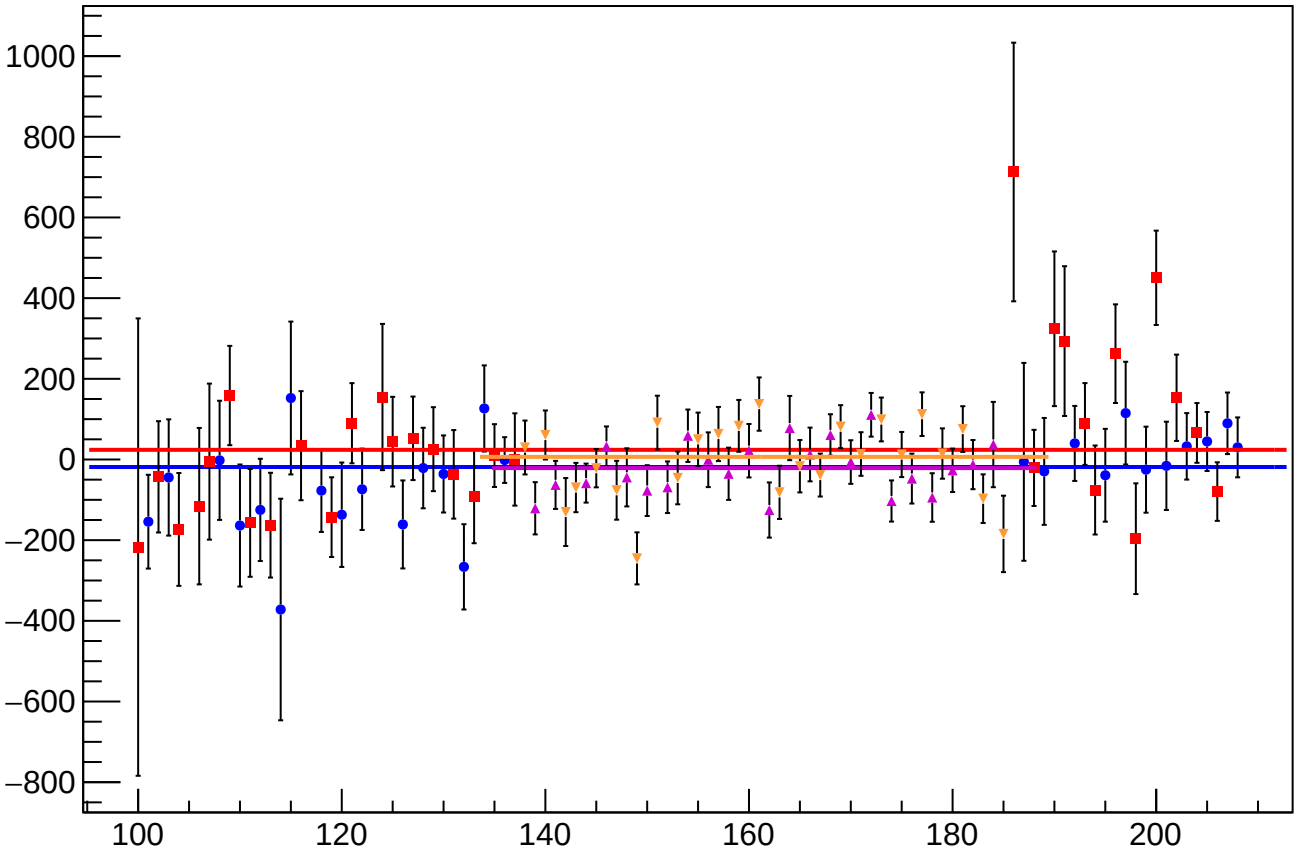
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 773.566+/-0.101 χ^2/NDF: 5491998.7/57

In: 389.046+/-0.052 χ^2/NDF:11461737.5/49

Out: 387.614+/-0.051 χ^2/NDF:13830055.1/55

All: 388.321+/-0.036 χ^2/NDF: 25292178.8/10



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 23.956+/-20.825 χ^2/NDF: 47.4/30

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

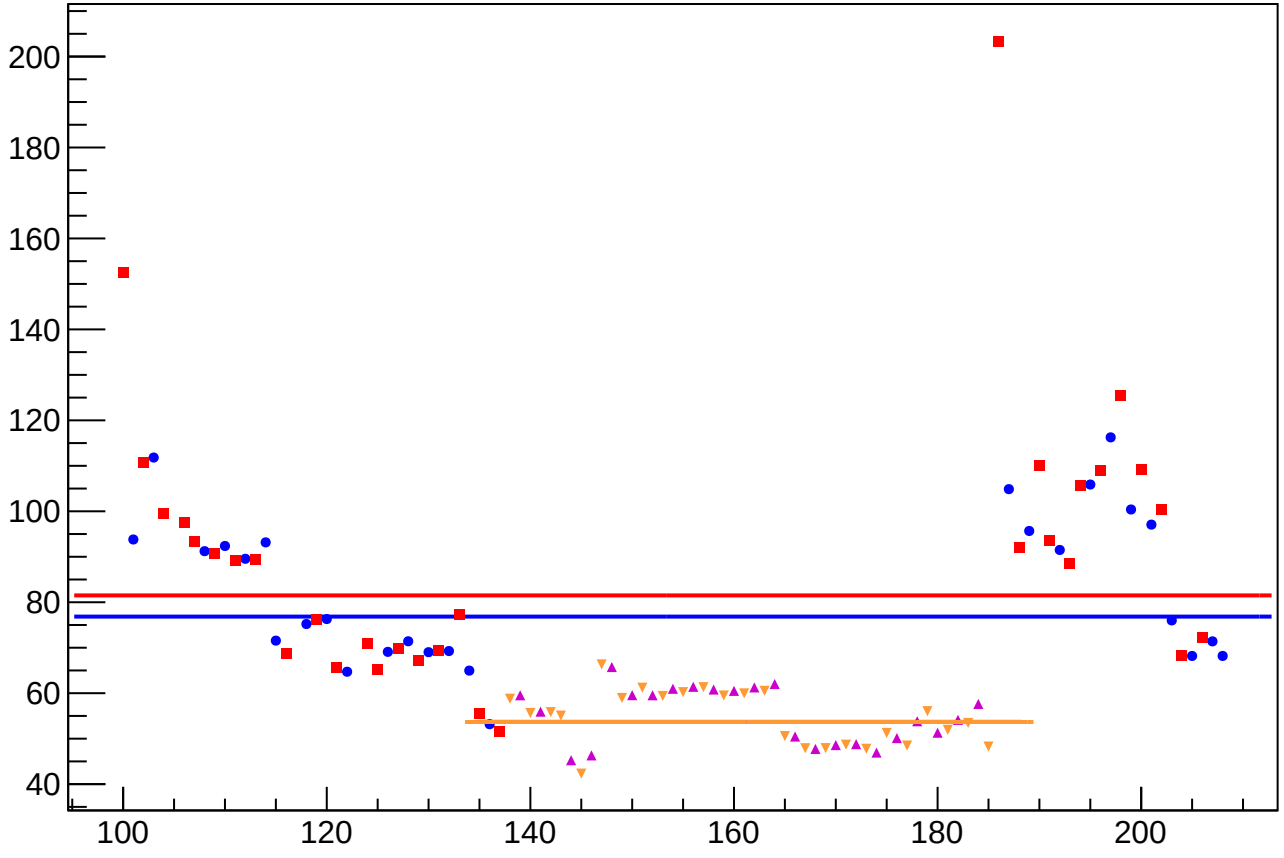
Right: 1.630+/-14.372 χ^2/NDF: 70.9/57

In: -20.566+/-10.669 χ^2/NDF:46.6/49

Out: 11.027+/-10.583 χ^2/NDF:98.5/55

All: -4.641+/-7.513 χ^2/NDF: 149.6/105

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

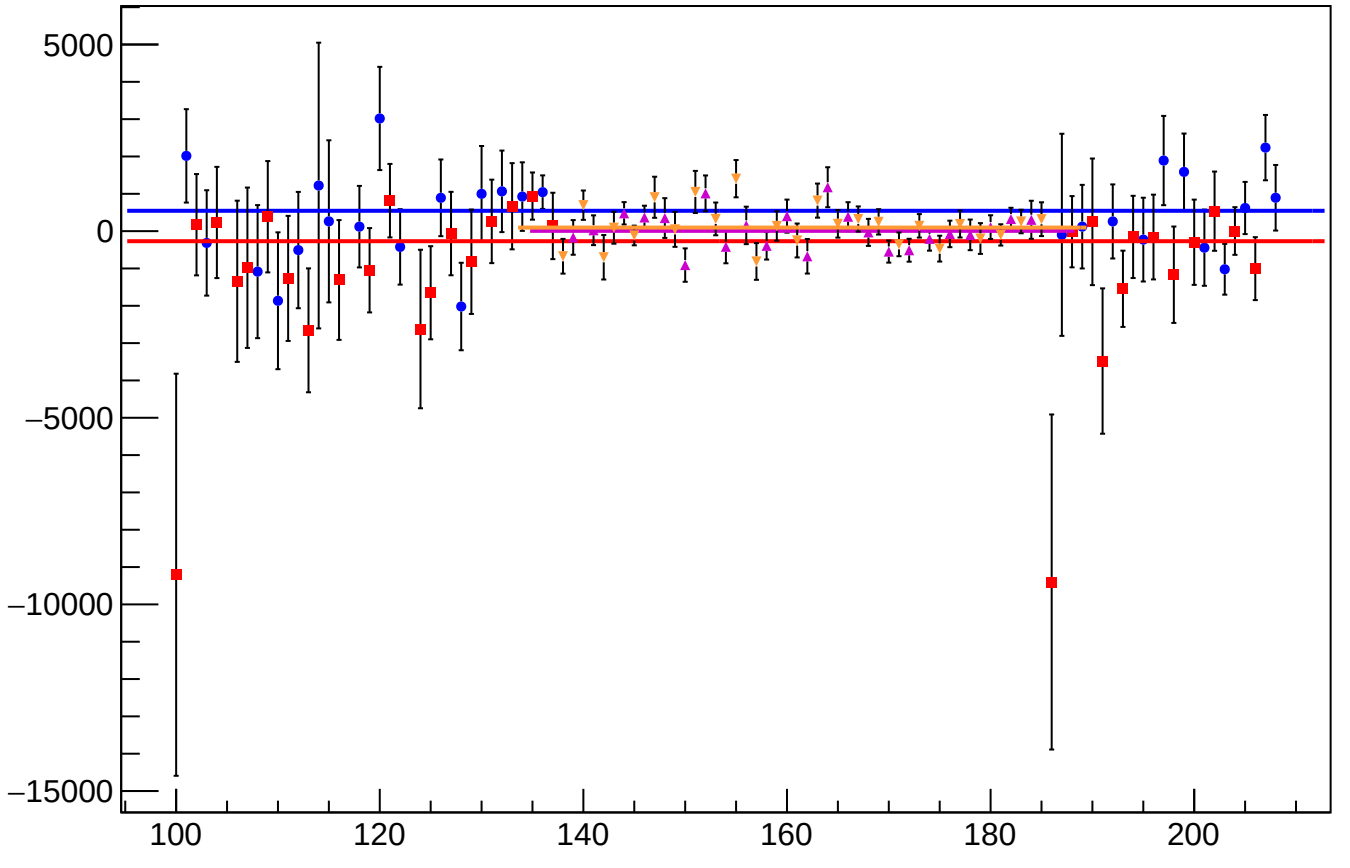
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.063+/-0.010 χ^2/NDF: 3217661.0/57

In: 60.376+/-0.008 χ^2/NDF:3742664.8/49

Out: 60.854+/-0.007 χ^2/NDF:4950333.4/55

All: 60.617+/-0.005 χ^2/NDF: 8695027.0/105



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -269.428+/-209.628 χ^2/NDF: 26.1/30

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

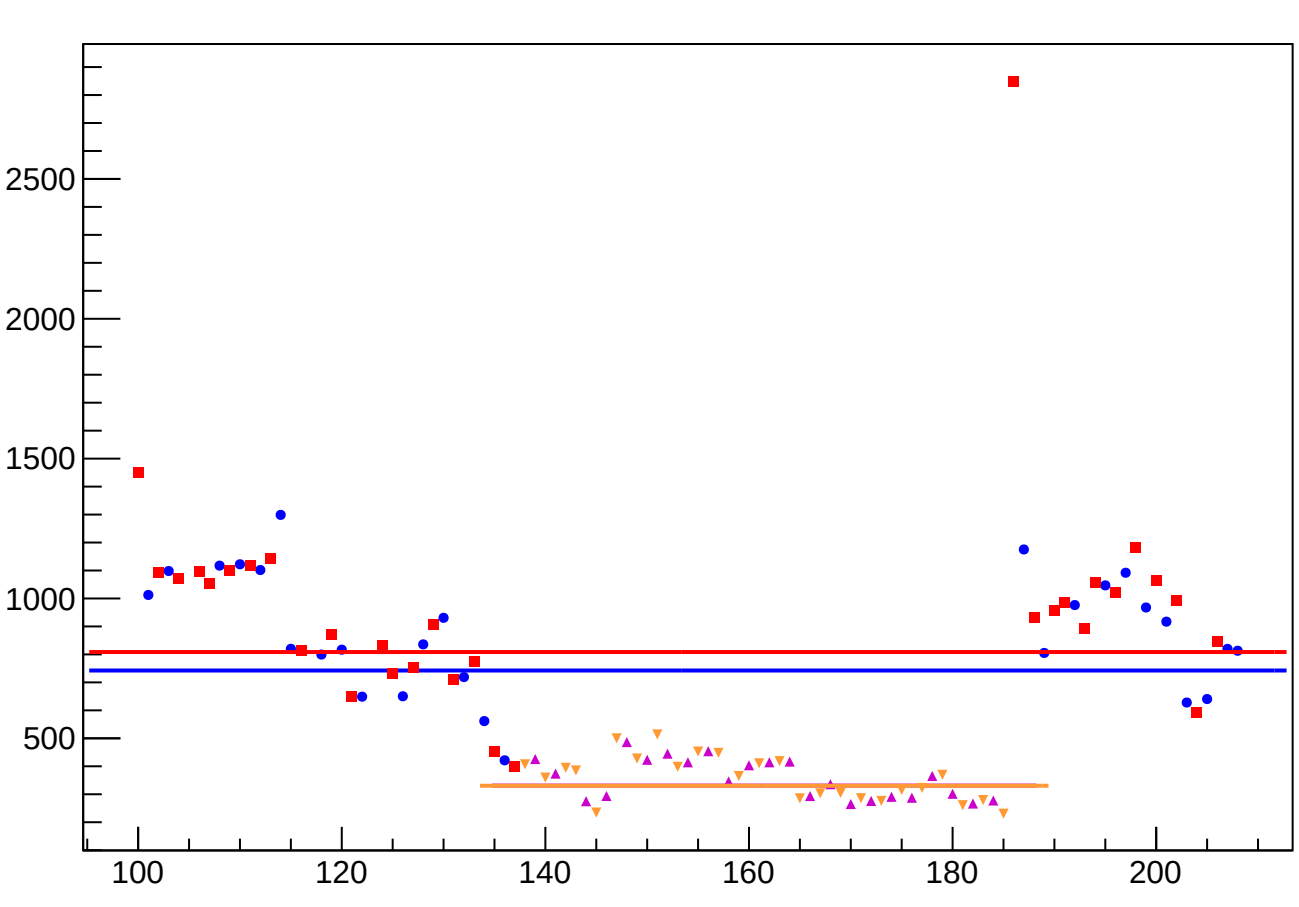
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 166.506+/-142.910 χ^2/NDF: 63.1/57

In: 83.589+/-73.337 χ^2/NDF:67.8/49

Out: 51.947+/-72.389 χ^2/NDF:61.9/55

All: 67.562+/-51.519 χ^2/NDF: 129.8/105



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

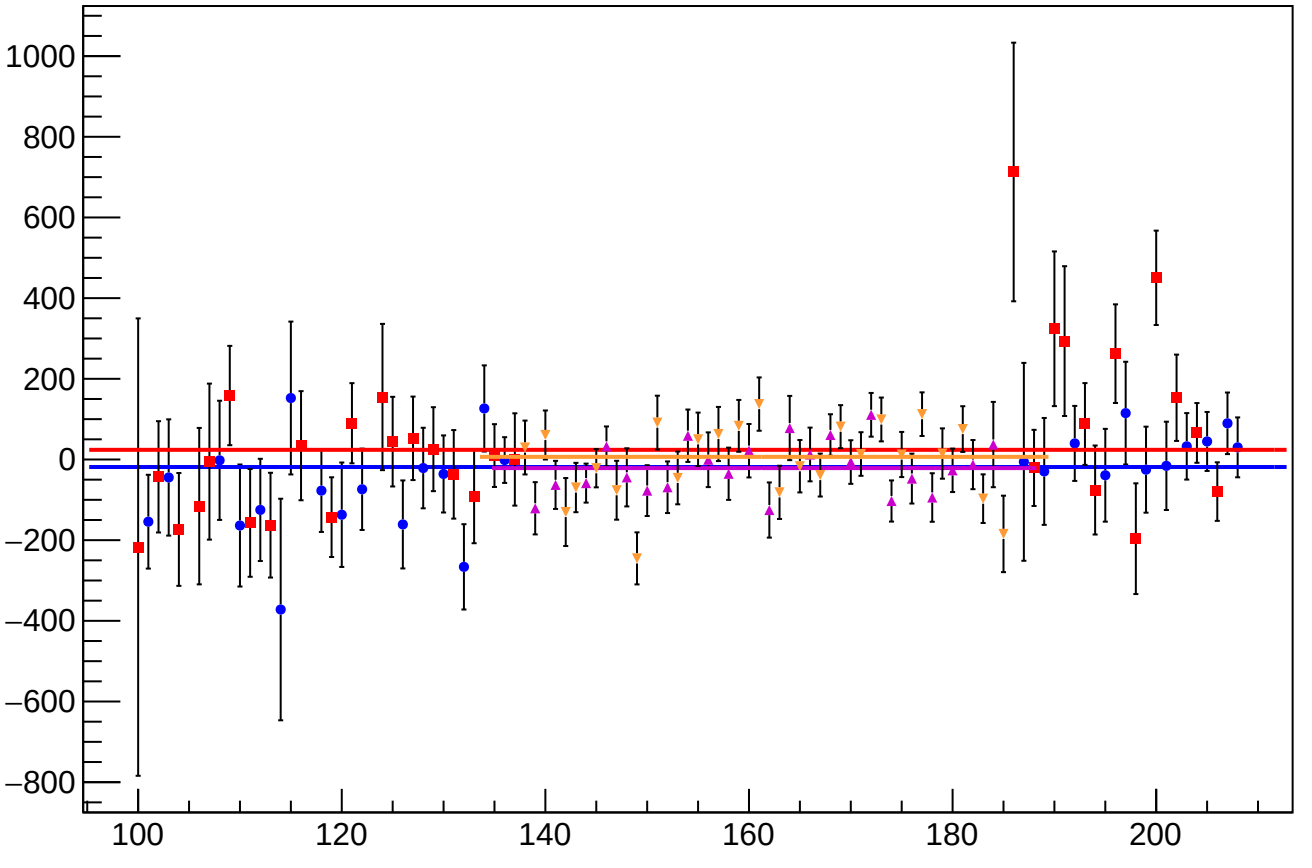
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 773.158+/-0.101 χ^2/NDF: 5475296.9/57

In: 389.046+/-0.052 χ^2/NDF:11461771.5/49

Out: 387.418+/-0.051 χ^2/NDF:13769014.0/55

All: 388.222+/-0.036 χ^2/NDF: 25231284.5/10



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 23.956+/-20.825 χ^2/NDF: 47.4/30

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

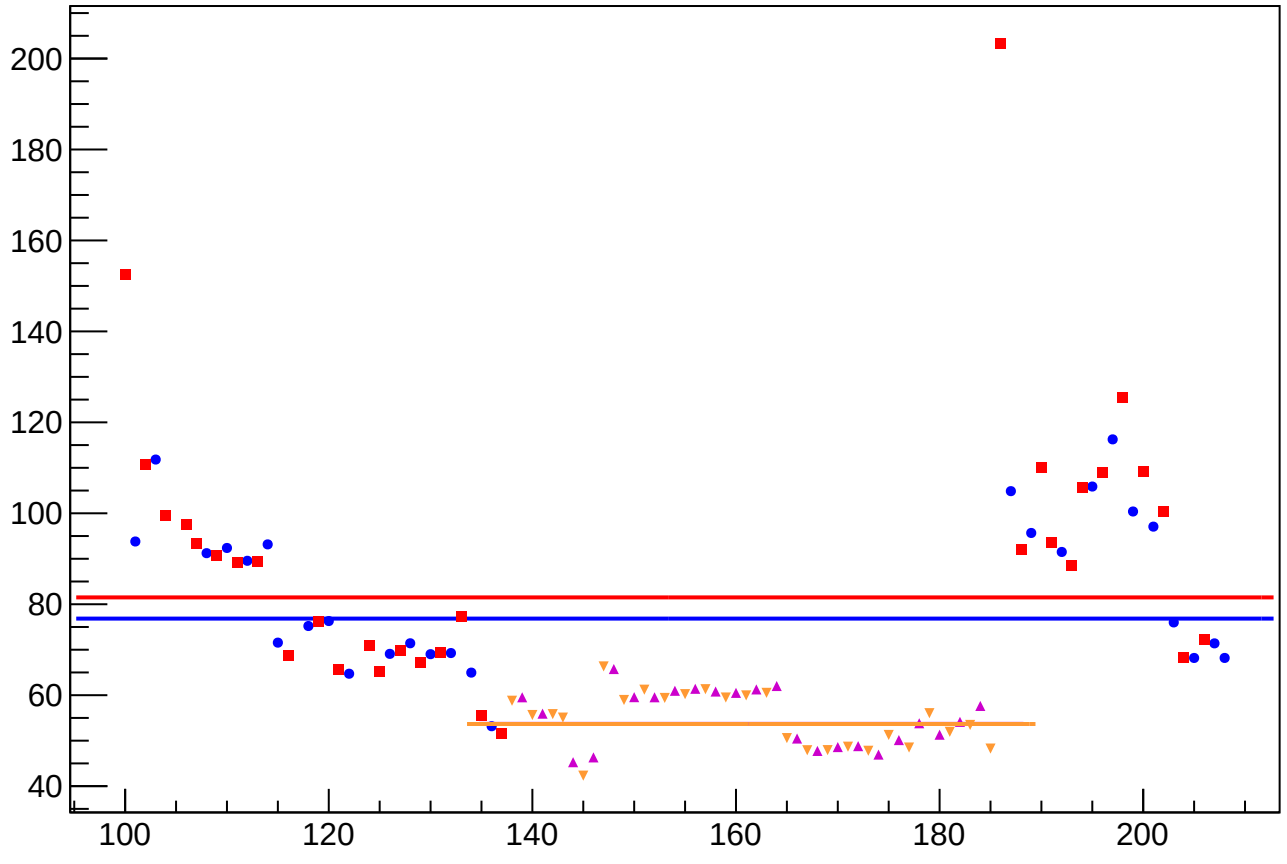
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 1.630+/-14.372 χ^2/NDF: 70.9/57

In: -20.566+/-10.669 χ^2/NDF:46.6/49

Out: 11.027+/-10.583 χ^2/NDF:98.5/55

All: -4.641+/-7.513 χ^2/NDF: 149.6/105



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

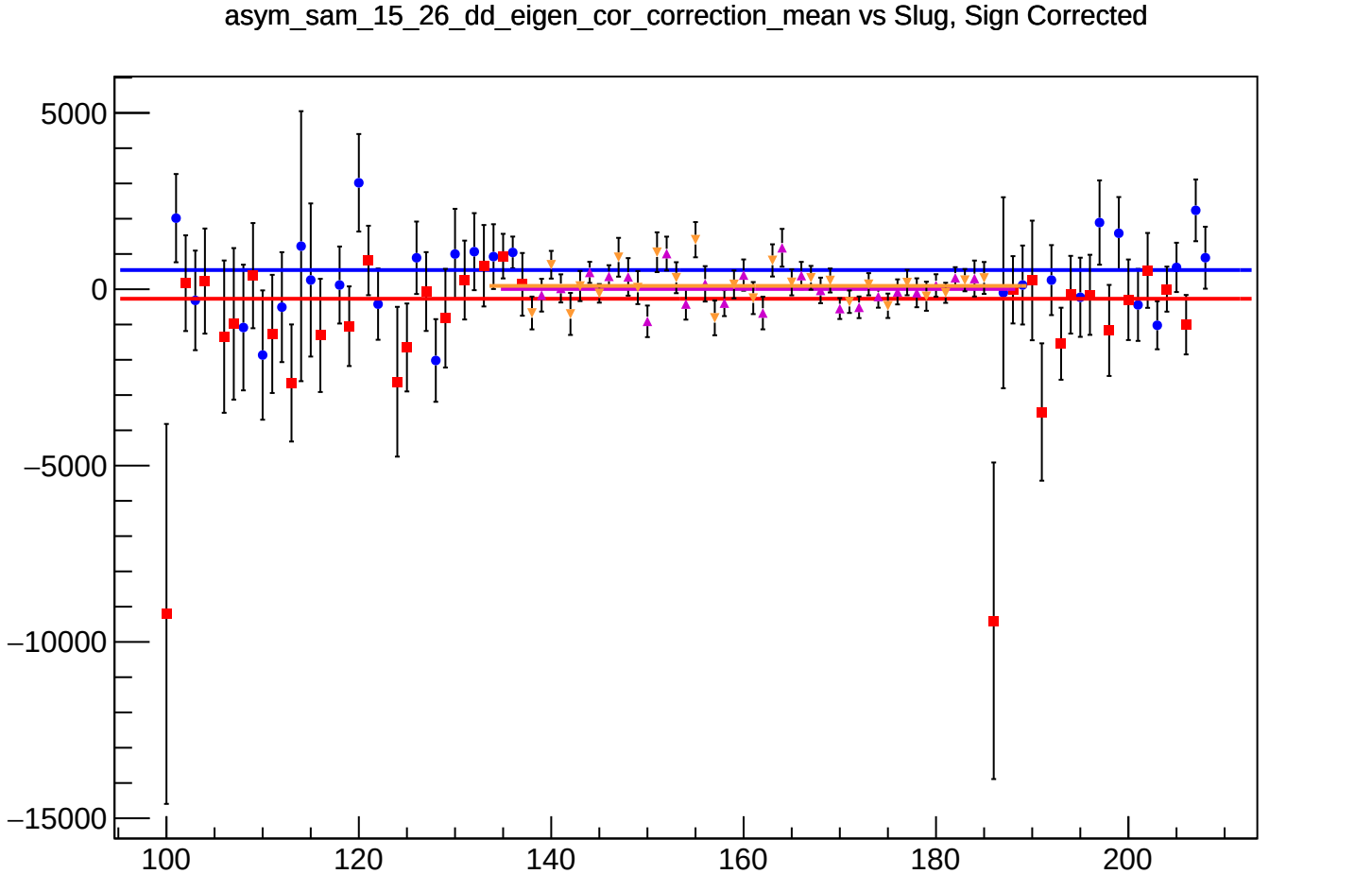
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.063+/-0.010 χ^2/NDF: 3217661.0/57

In: 60.376+/-0.008 χ^2/NDF:3742664.8/49

Out: 60.854+/-0.007 χ^2/NDF:4950333.4/55

All: 60.617+/-0.005 χ^2/NDF: 8695027.0/105



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -269.428+/-209.628 χ^2/NDF: 26.1/30

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

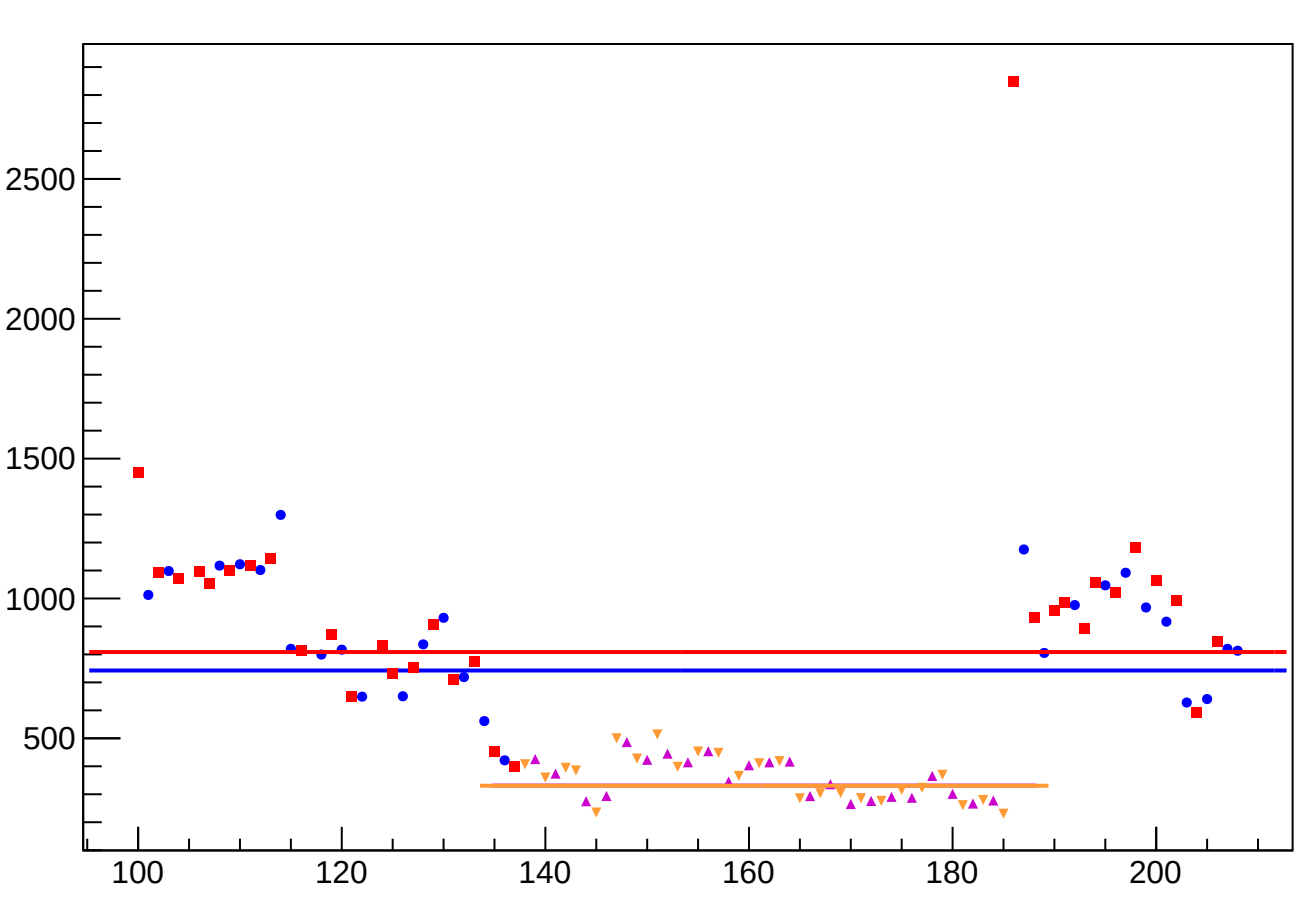
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 166.506+/-142.910 χ^2/NDF: 63.1/57

In: 83.589+/-73.337 χ^2/NDF:67.8/49

Out: 51.947+/-72.389 χ^2/NDF:61.9/55

All: 67.562+/-51.519 χ^2/NDF: 129.8/105



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

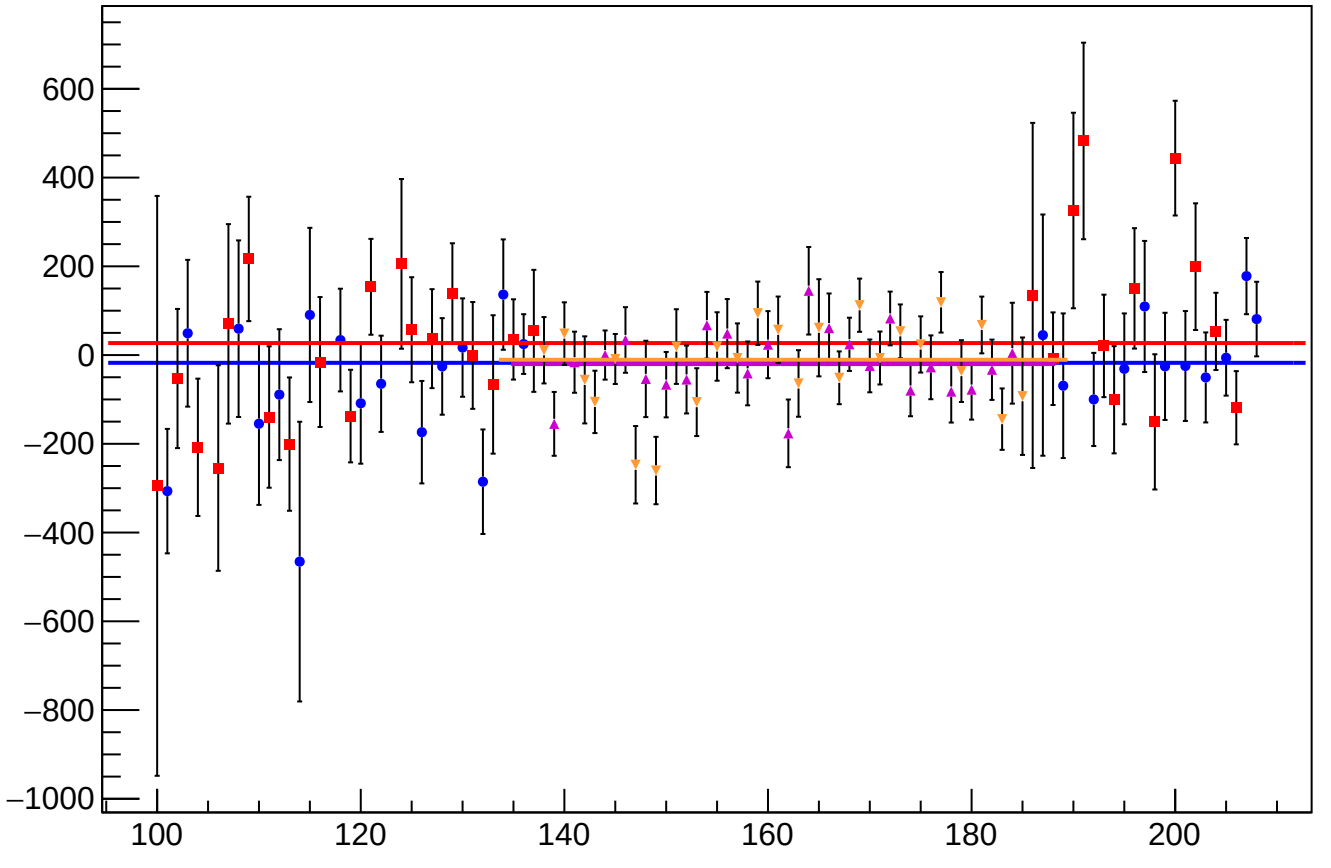
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 773.158+/-0.101 χ^2/NDF: 5475296.9/57

In: 389.046+/-0.052 χ^2/NDF:11461771.5/49

Out: 387.418+/-0.051 χ^2/NDF:13769014.0/55

All: 388.222+/-0.036 χ^2/NDF: 25231284.5/10



Right In: -17.480+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 27.083+/-23.616 χ^2/NDF: 40.5/30

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

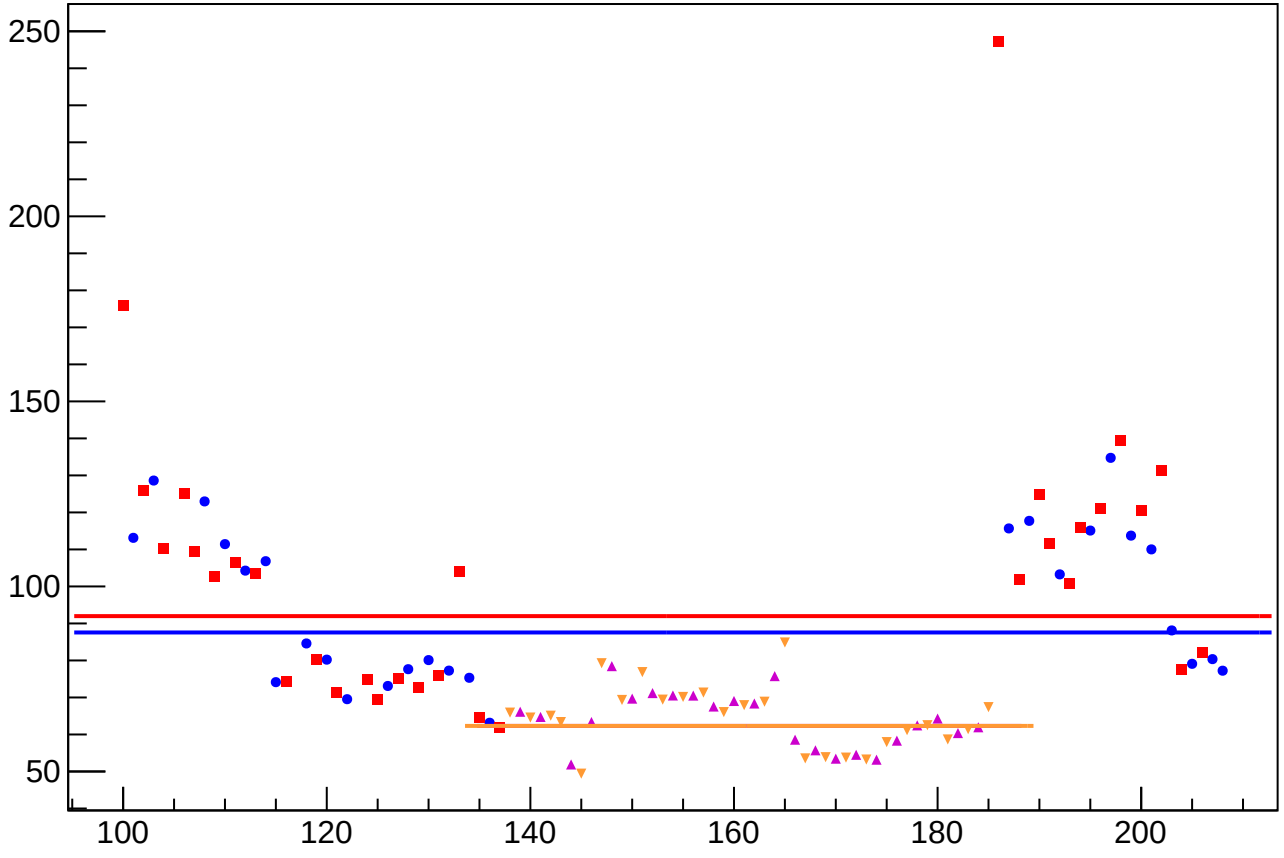
Right: 3.962+/-16.381 χ^2/NDF: 68.1/57

In: -19.469+/-12.375 χ^2/NDF:47.5/49

Out: -0.489+/-12.239 χ^2/NDF:84.6/55

All: -9.874+/-8.702 χ^2/NDF: 133.2/105

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 87.562+/-0.016 χ^2/NDF: 1405553.1/26

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.980+/-0.017 χ^2/NDF: 2000590.4/30

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

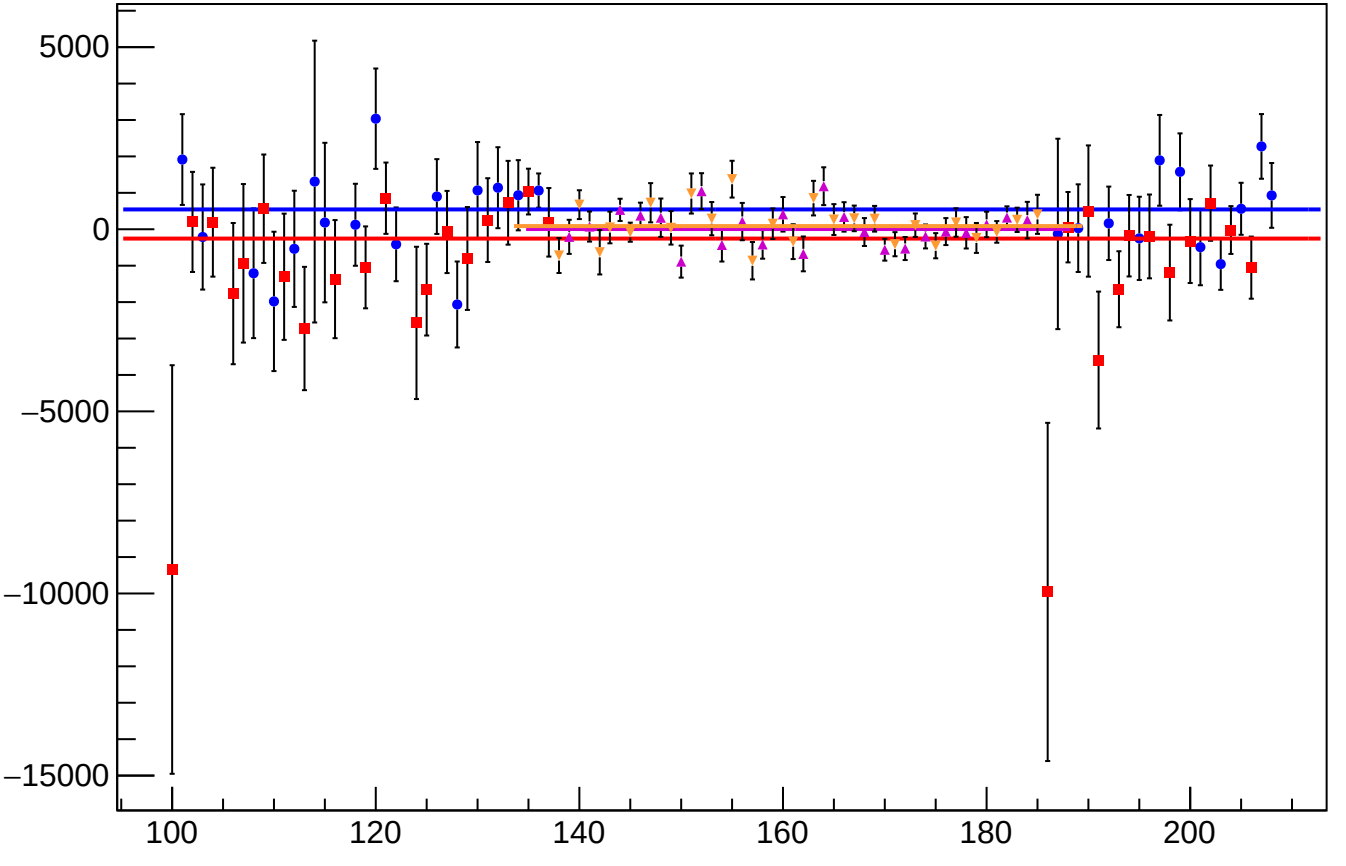
Right: 89.688+/-0.012 χ^2/NDF: 3442457.5/57

In: 69.787+/-0.009 χ^2/NDF:3625732.8/49

Out: 70.283+/-0.009 χ^2/NDF:4944890.8/55

All: 70.038+/-0.006 χ^2/NDF: 8572249.4/105

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 544.458+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -255.847+/-211.749 χ^2/NDF: 28.6/30

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

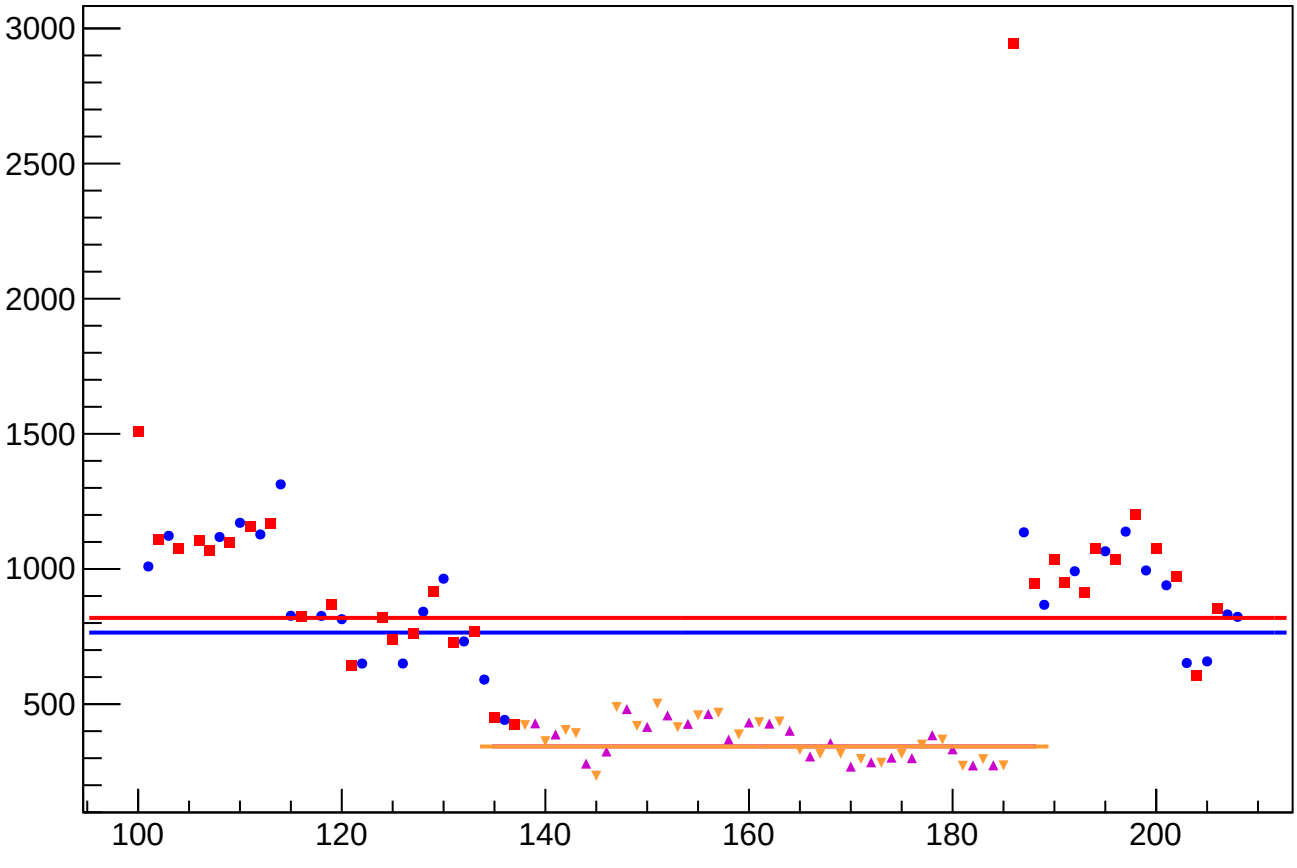
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 165.992+/-145.615 χ^2/NDF: 64.4/57

In: 83.717+/-75.989 χ^2/NDF:66.9/49

Out: 44.315+/-74.703 χ^2/NDF:62.5/55

All: 63.680+/-53.272 χ^2/NDF: 129.6/105



Right In: 764.695+/-0.142 χ^2/NDF: 2380515.6/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844070.2/30

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

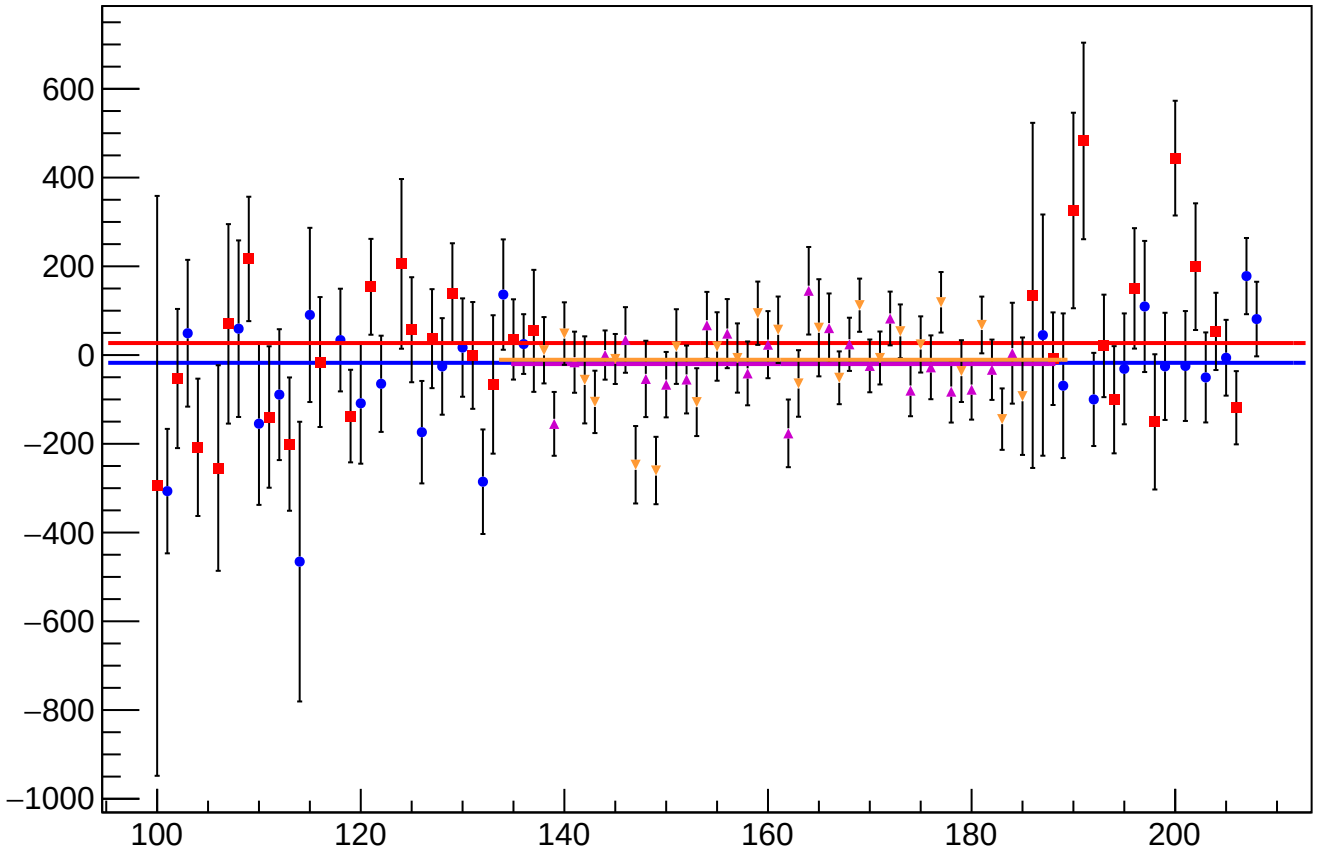
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 790.397+/-0.103 χ^2/NDF: 5294038.0/57

In: 404.145+/-0.054 χ^2/NDF:11185133.1/49

Out: 402.446+/-0.053 χ^2/NDF:13281410.9/55

All: 403.281+/-0.038 χ^2/NDF: 24467052.3/10



Right In: -17.481+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 27.083+/-23.616 χ^2/NDF: 40.5/30

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

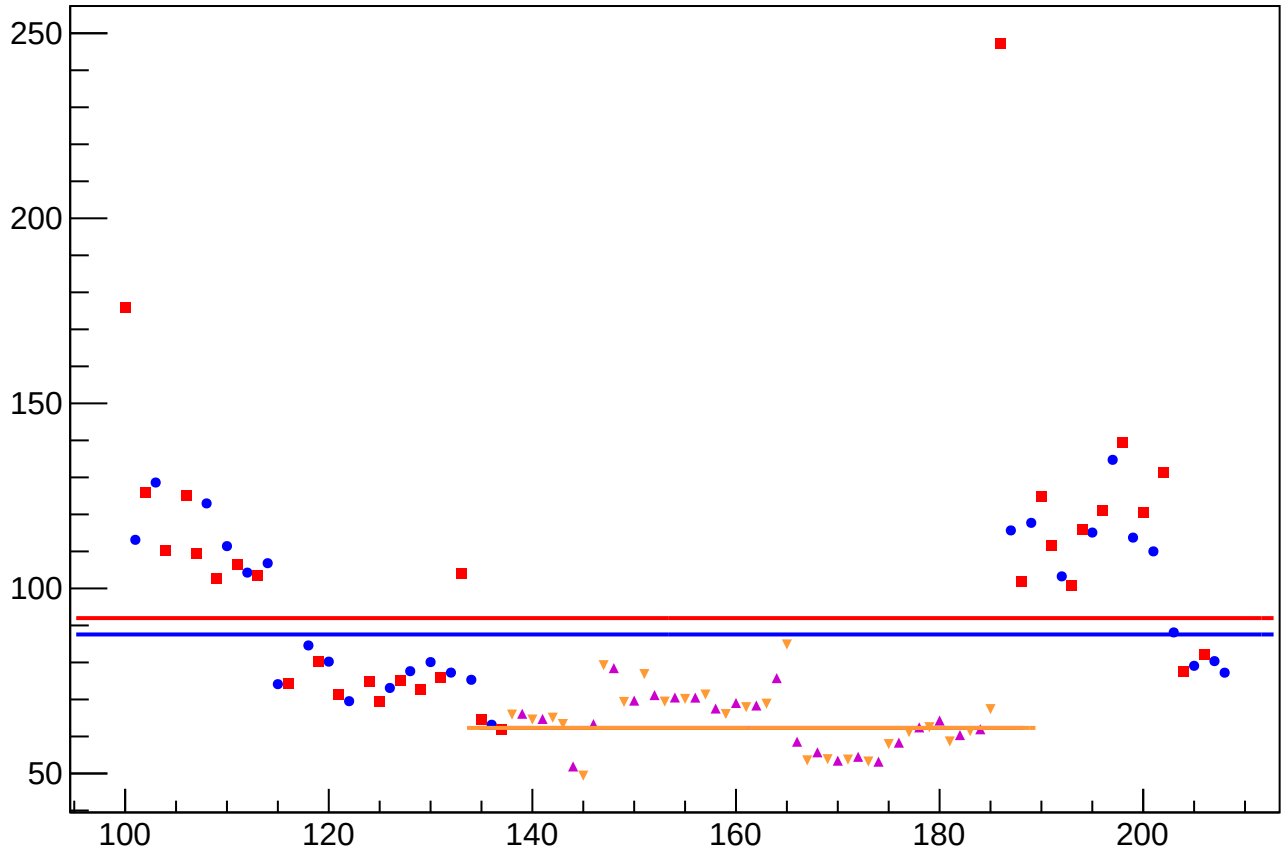
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 3.961+/-16.381 χ^2/NDF: 68.1/57

In: -19.469+/-12.375 χ^2/NDF:47.5/49

Out: -0.489+/-12.239 χ^2/NDF:84.6/55

All: -9.874+/-8.702 χ^2/NDF: 133.2/105



Right In: 87.562+/-0.016 χ^2/NDF: 1405568.0/26

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 91.980+/-0.017 χ^2/NDF: 2000588.3/30

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

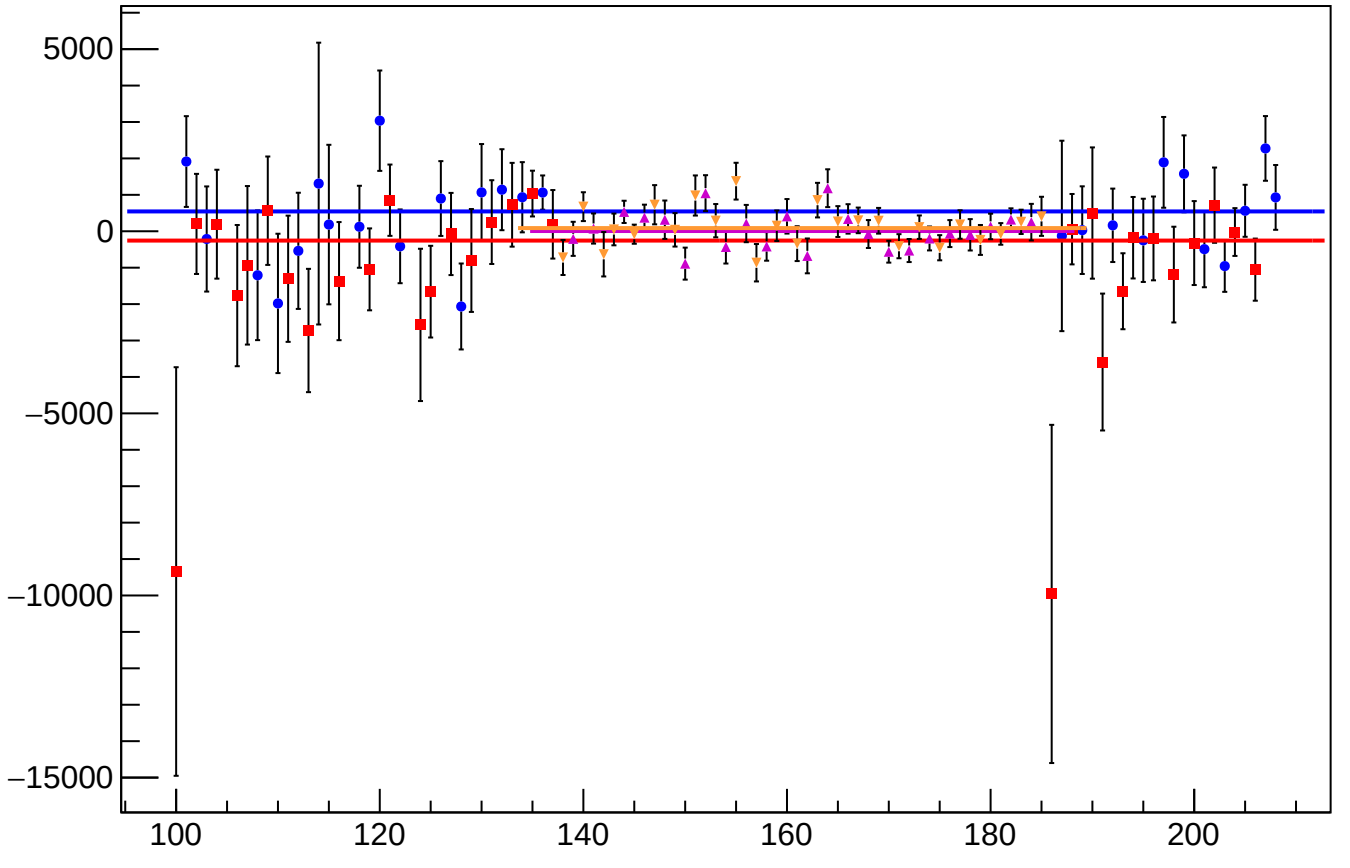
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 89.688+/-0.012 χ^2/NDF: 3442472.4/57

In: 69.787+/-0.009 χ^2/NDF:3625682.2/49

Out: 70.284+/-0.009 χ^2/NDF:4944858.1/55

All: 70.038+/-0.006 χ^2/NDF: 8572165.5/105



Right In: 544.459+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -255.848+/-211.749 χ^2/NDF: 28.6/30

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

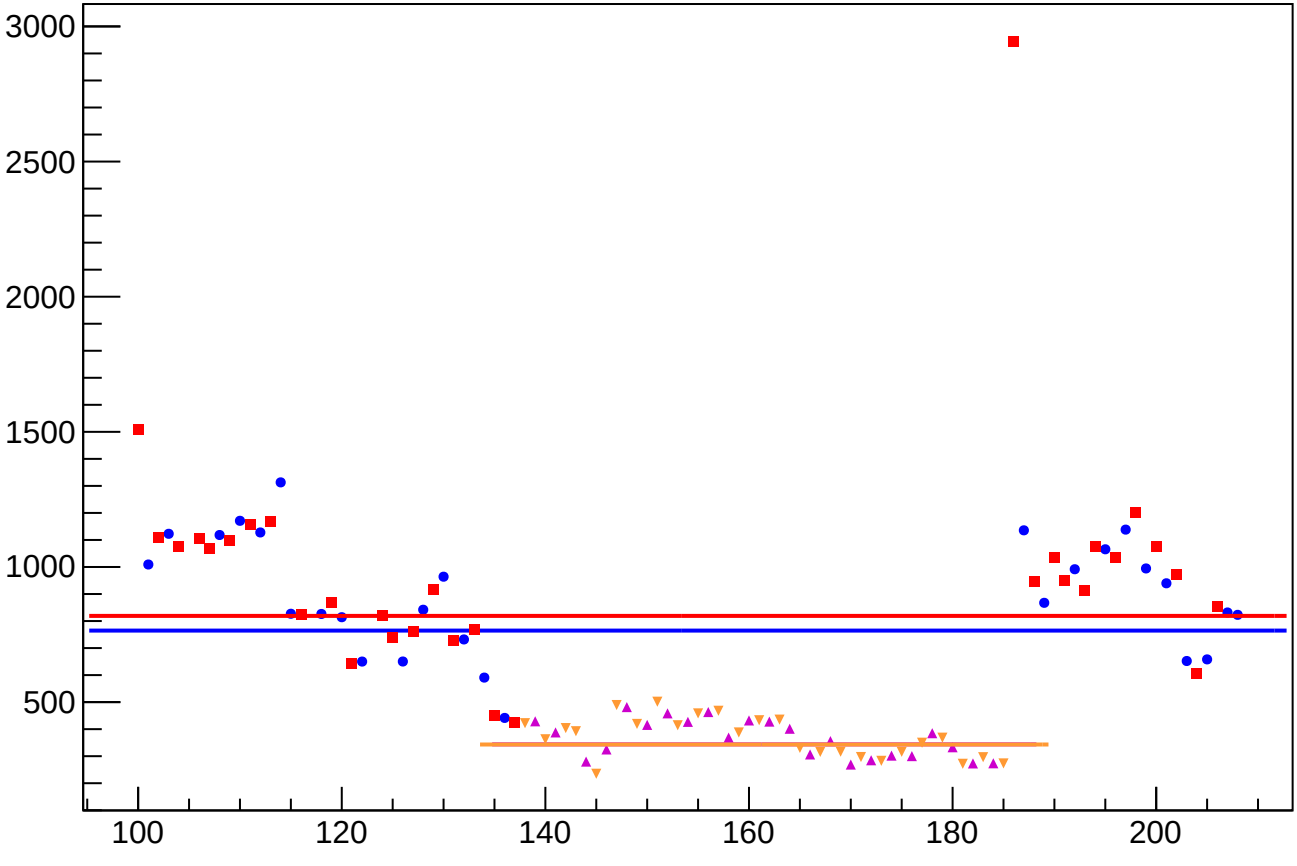
Right: 165.992+/-145.615 χ^2/NDF: 64.4/57

In: 83.718+/-75.989 χ^2/NDF:66.9/49

Out: 44.315+/-74.703 χ^2/NDF:62.5/55

All: 63.680+/-53.272 χ^2/NDF: 129.6/105

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 764.695+/-0.142 χ^2/NDF: 2380501.9/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844059.7/30

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

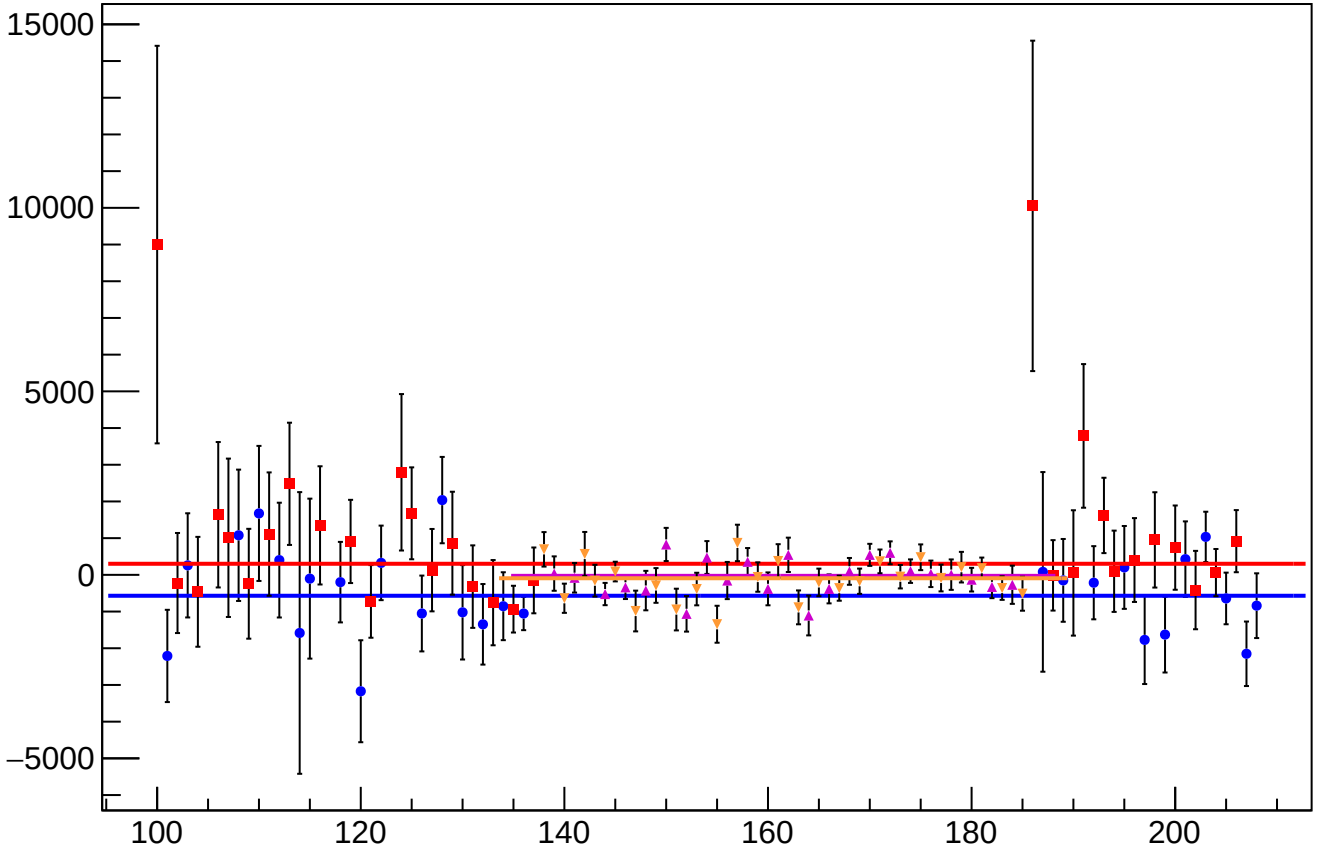
Right: 790.397+/-0.103 χ^2/NDF: 5294013.5/57

In: 404.145+/-0.054 χ^2/NDF:11185132.5/49

Out: 402.446+/-0.053 χ^2/NDF:13281421.3/55

All: 403.281+/-0.038 χ^2/NDF: 24467062.2/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -569.730+/-196.522 χ^2/NDF: 28.9/26

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 301.830+/-210.594 χ^2/NDF: 26.5/30

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

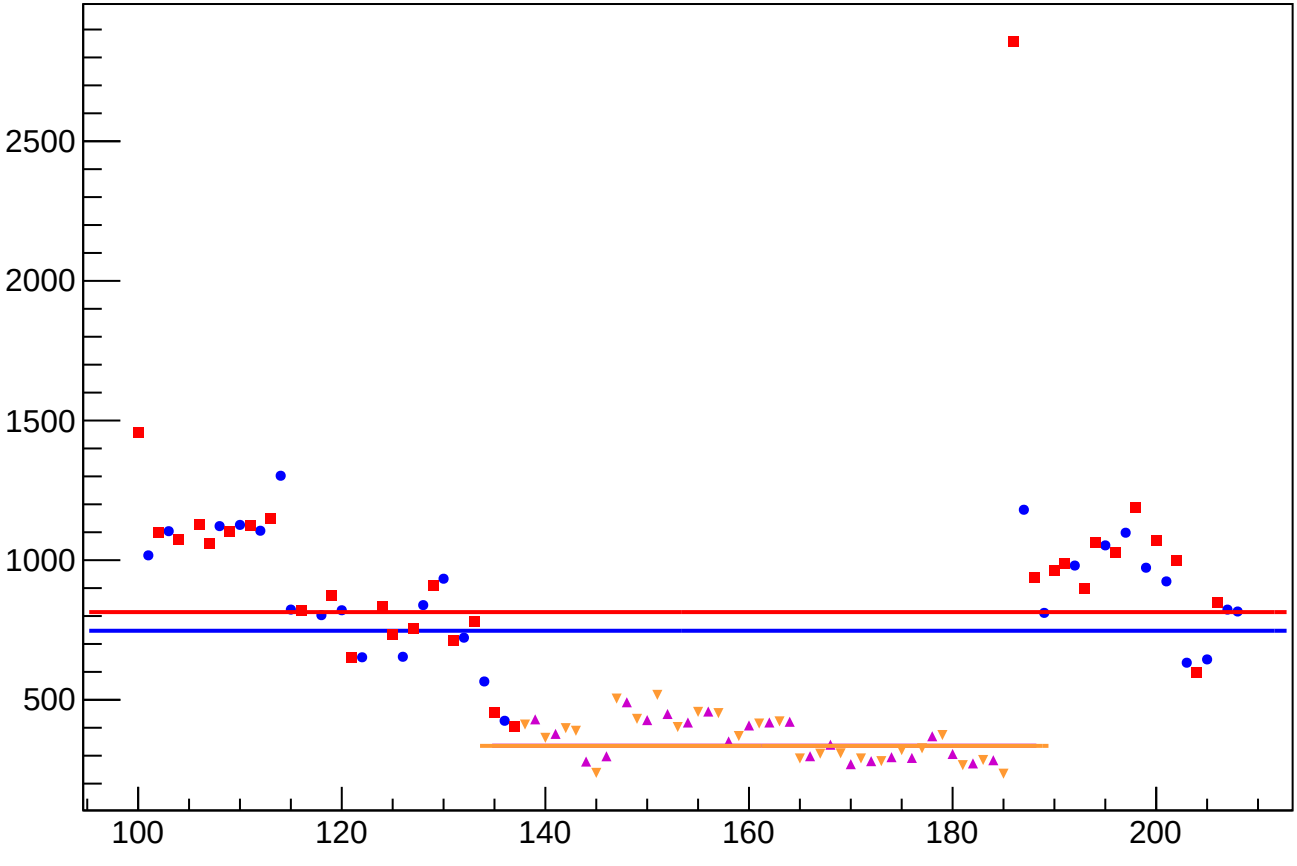
Right: -164.039+/-143.680 χ^2/NDF: 64.6/57

In: -104.644+/-74.261 χ^2/NDF:66.3/49

Out: -44.883+/-73.296 χ^2/NDF:63.8/55

All: -74.373+/-52.166 χ^2/NDF: 130.4/105

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 747.283+/-0.139 χ^2/NDF: 2492502.1/26

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 814.106+/-0.149 χ^2/NDF: 2850983.8/30

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

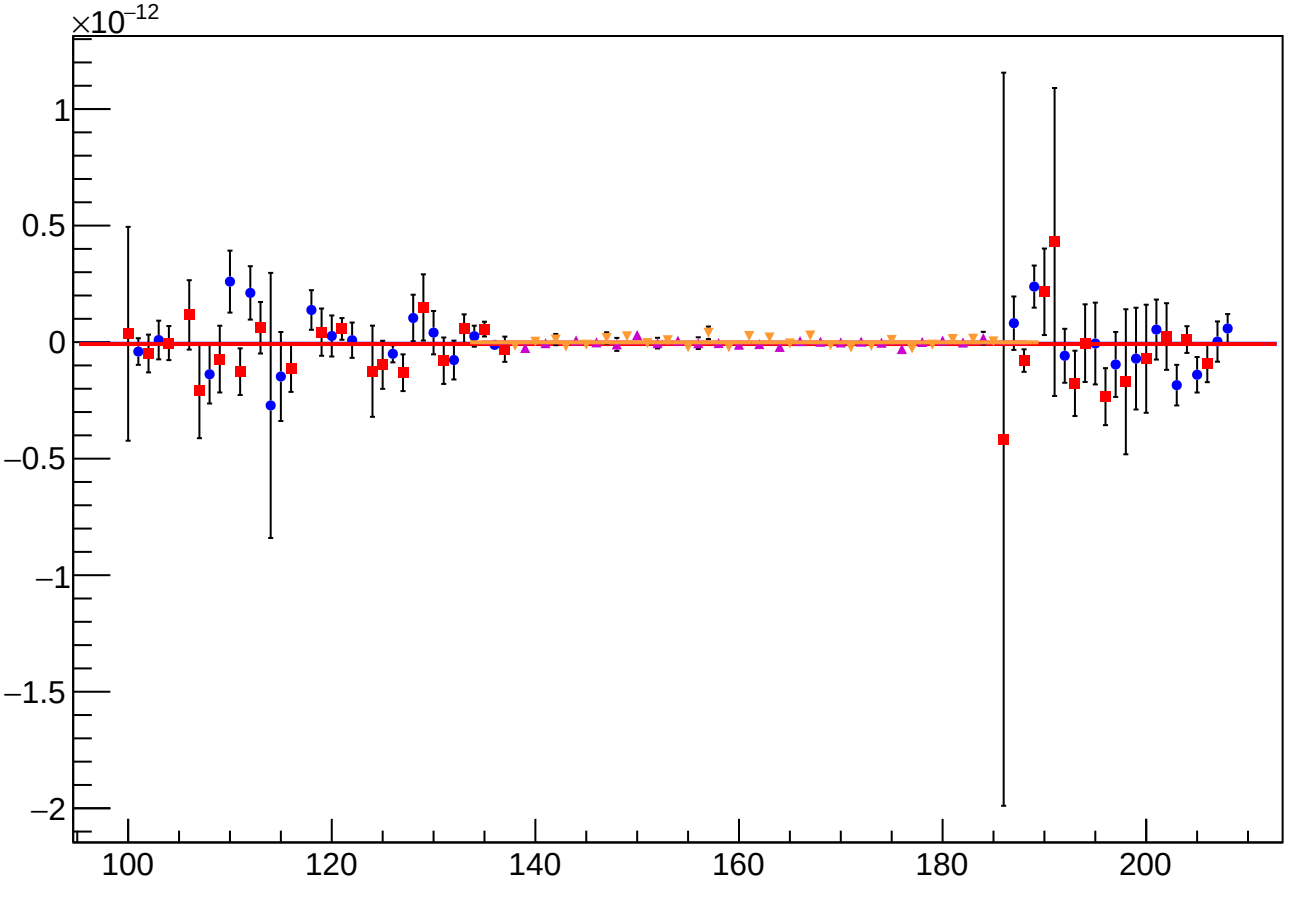
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 778.388+/-0.102 χ^2/NDF: 5451121.5/57

In: 394.544+/-0.053 χ^2/NDF:11300554.6/49

Out: 393.168+/-0.052 χ^2/NDF:13648842.7/55

All: 393.847+/-0.037 χ^2/NDF: 24949745.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

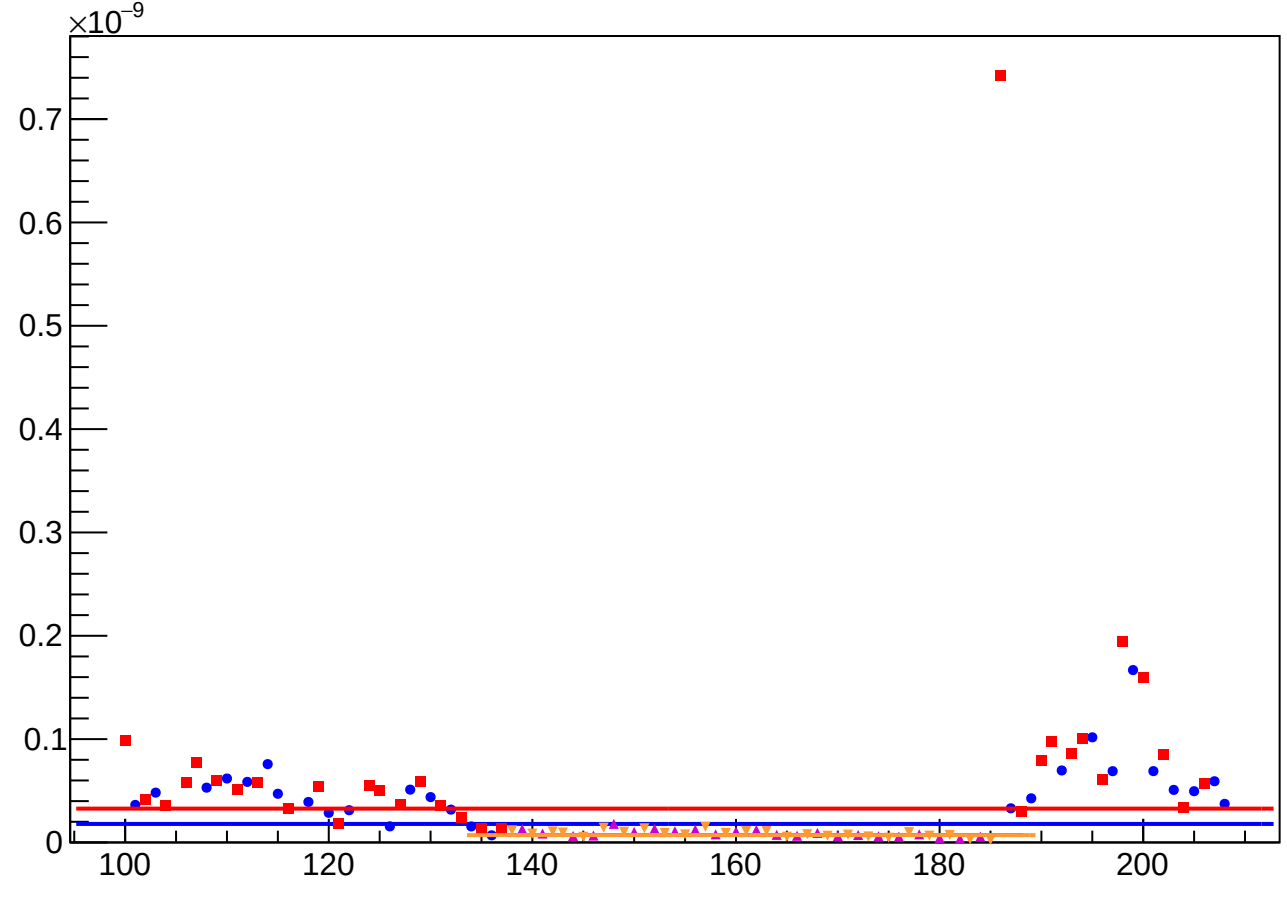
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 62.8/57

In: -0.000+/-0.000 χ^2/NDF:49.5/49

Out: -0.000+/-0.000 χ^2/NDF:61.9/55

All: -0.000+/-0.000 χ^2/NDF: 111.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 7237103.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4795914.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

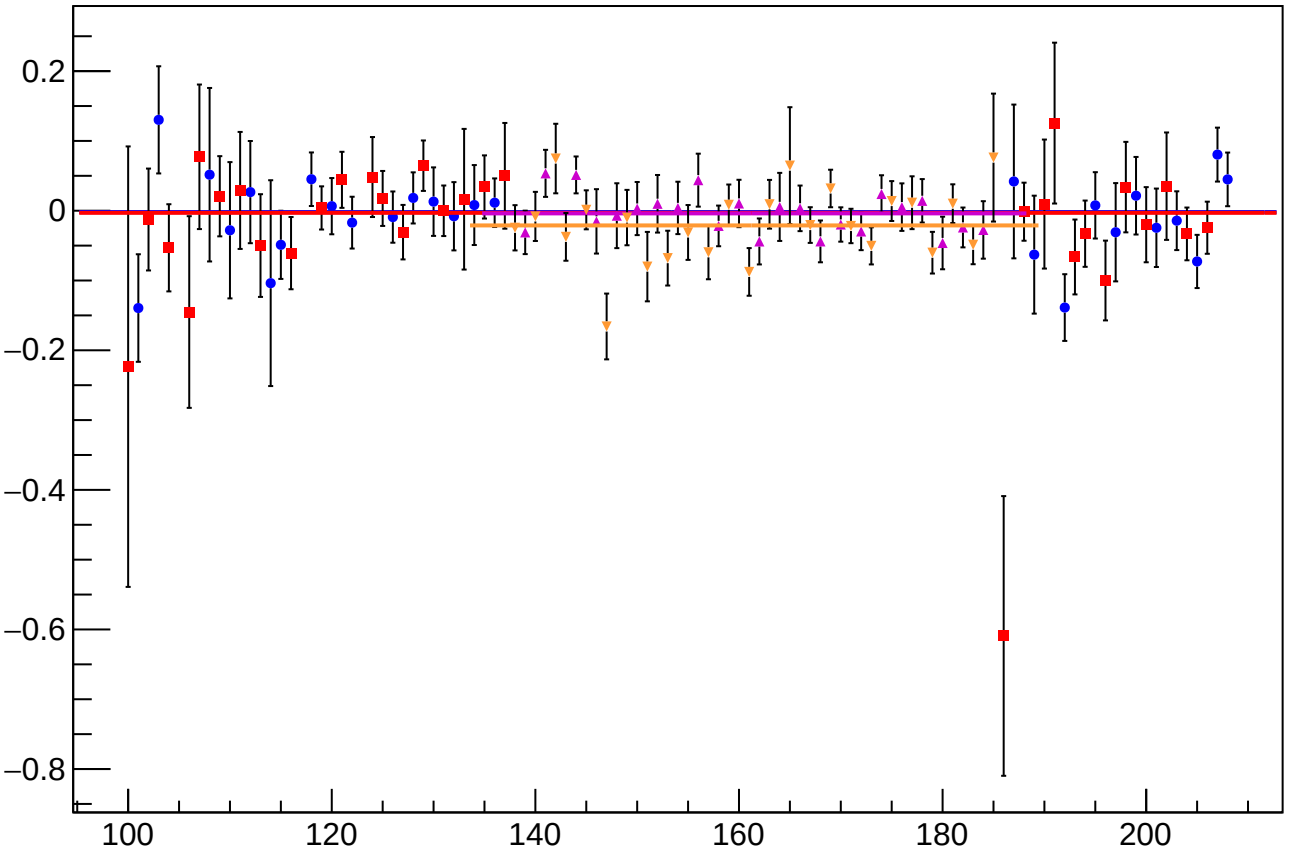
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13405066.2/57

In: 0.000+/-0.000 χ^2/NDF:11001510.3/49

Out: 0.000+/-0.000 χ^2/NDF:12492433.5/55

All: 0.000+/-0.000 χ^2/NDF: 23495978.9/105



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

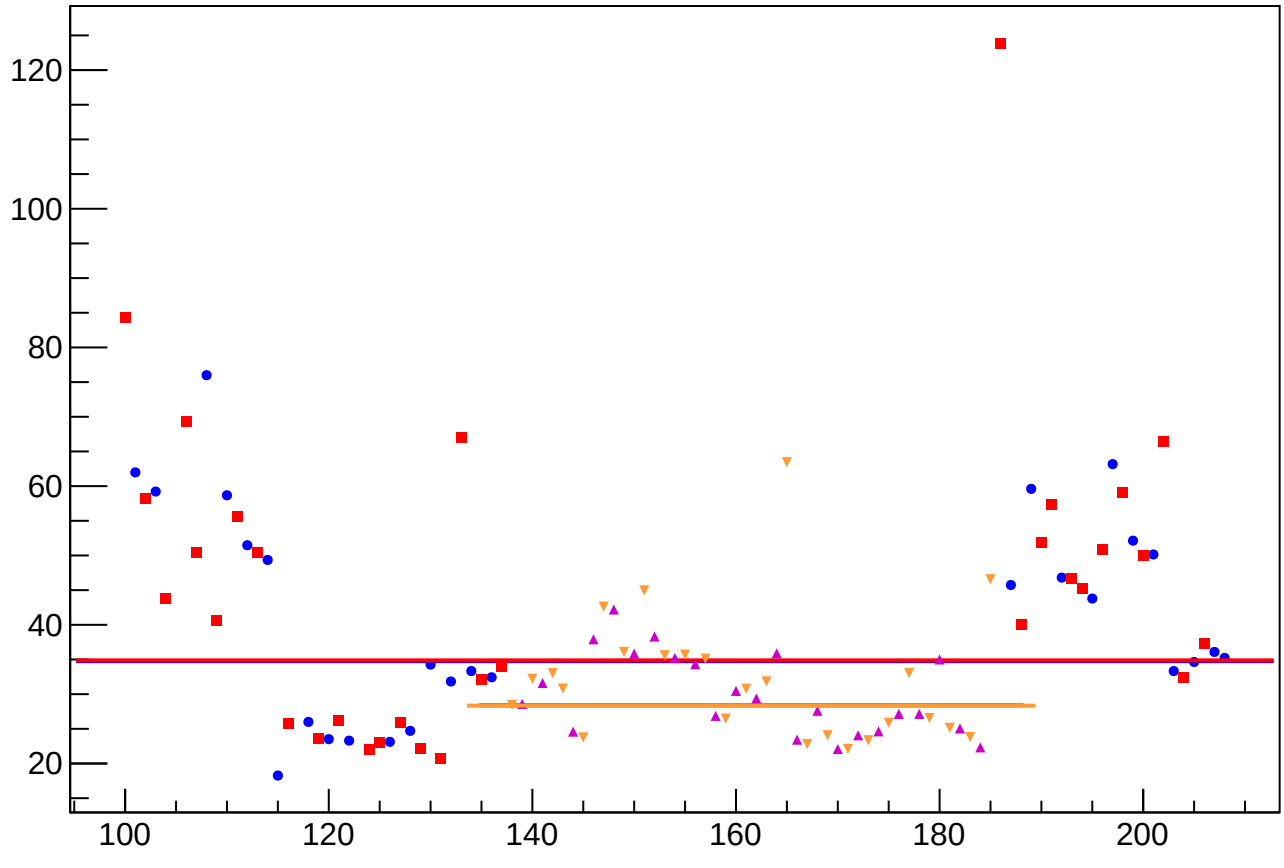
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.007 χ^2/NDF: 58.5/57

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.009+/-0.004 χ^2/NDF: 119.2/105



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

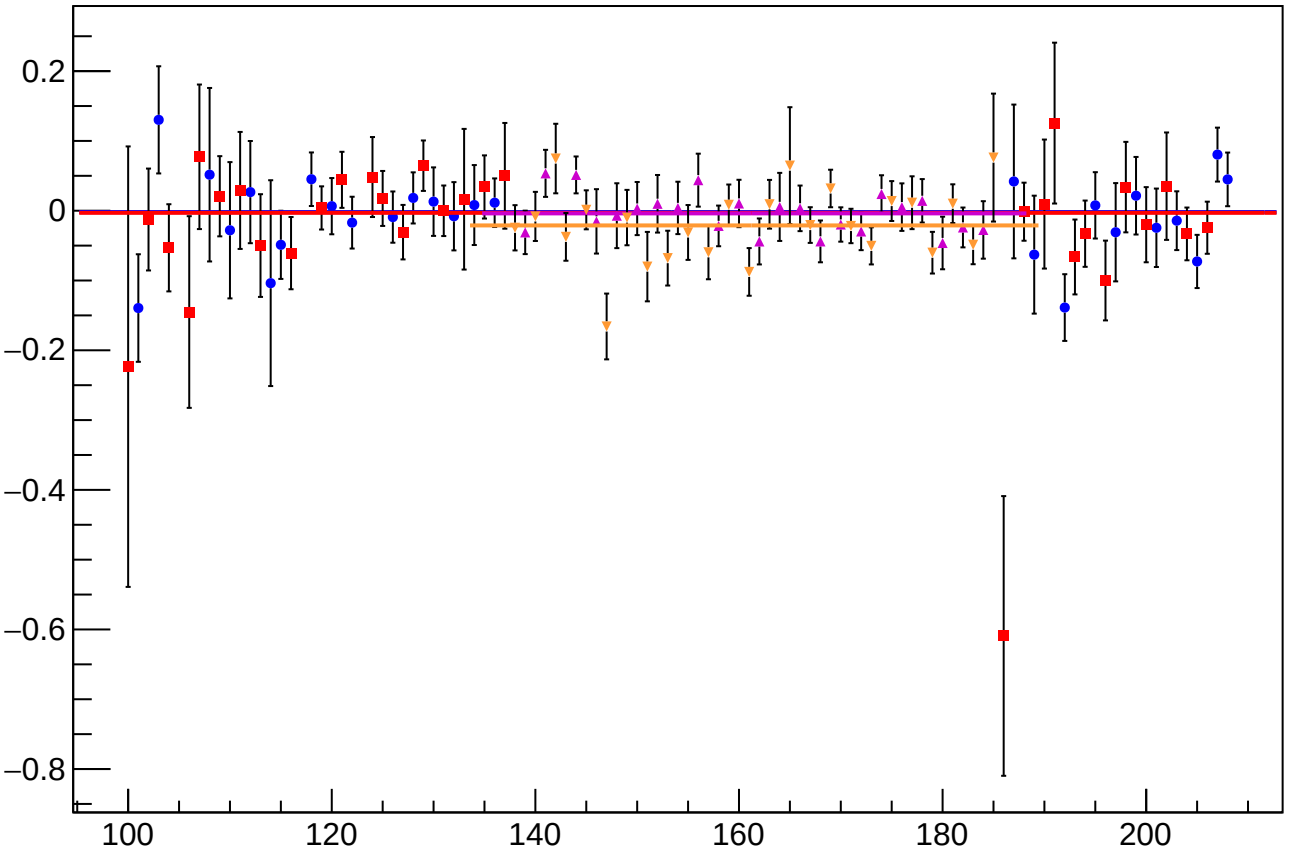
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.812+/-0.005 χ^2/NDF: 7010620.8/57

In: 30.581+/-0.004 χ^2/NDF:4723807.2/49

Out: 30.518+/-0.004 χ^2/NDF:6350478.6/55

All: 30.549+/-0.003 χ^2/NDF: 11074418.0/105



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

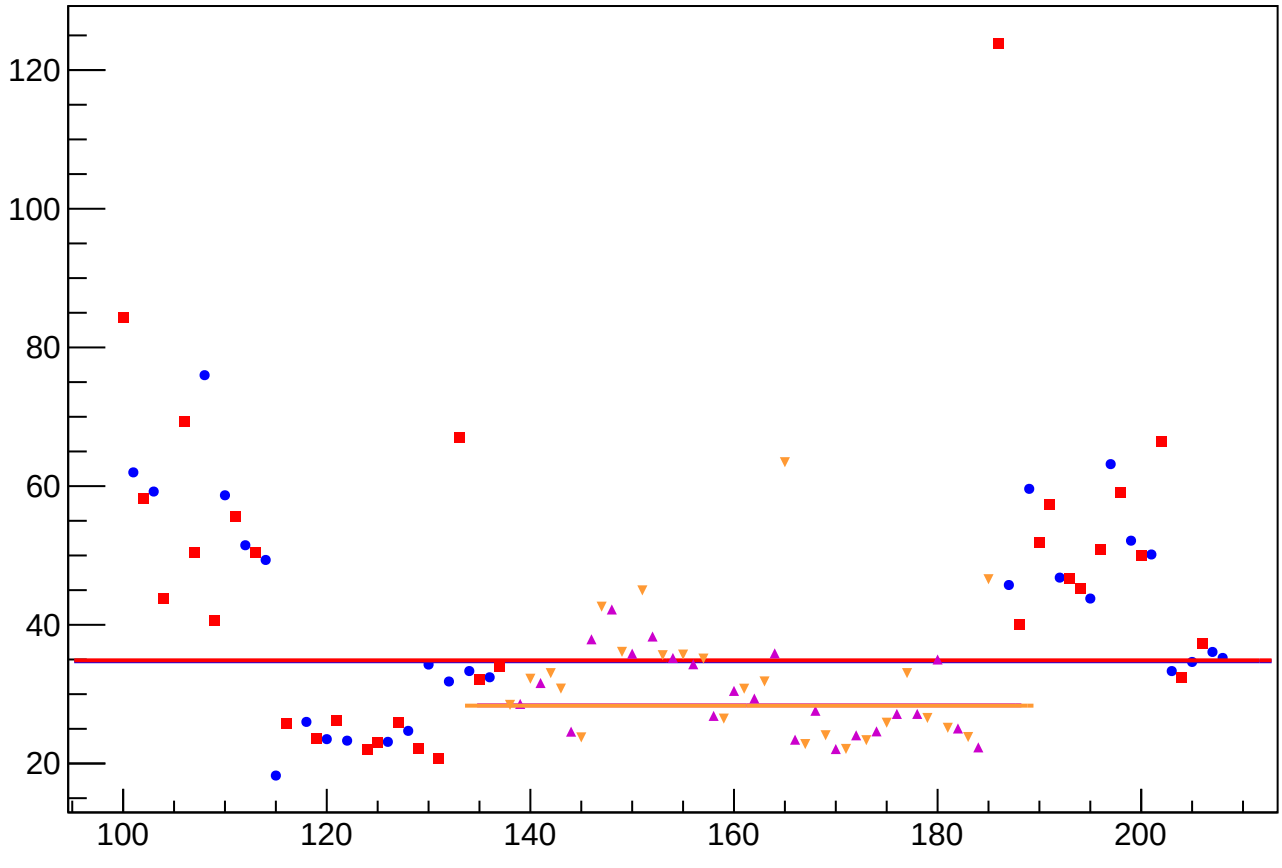
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.007 χ^2/NDF: 58.5/57

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.009+/-0.004 χ^2/NDF: 119.2/105



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

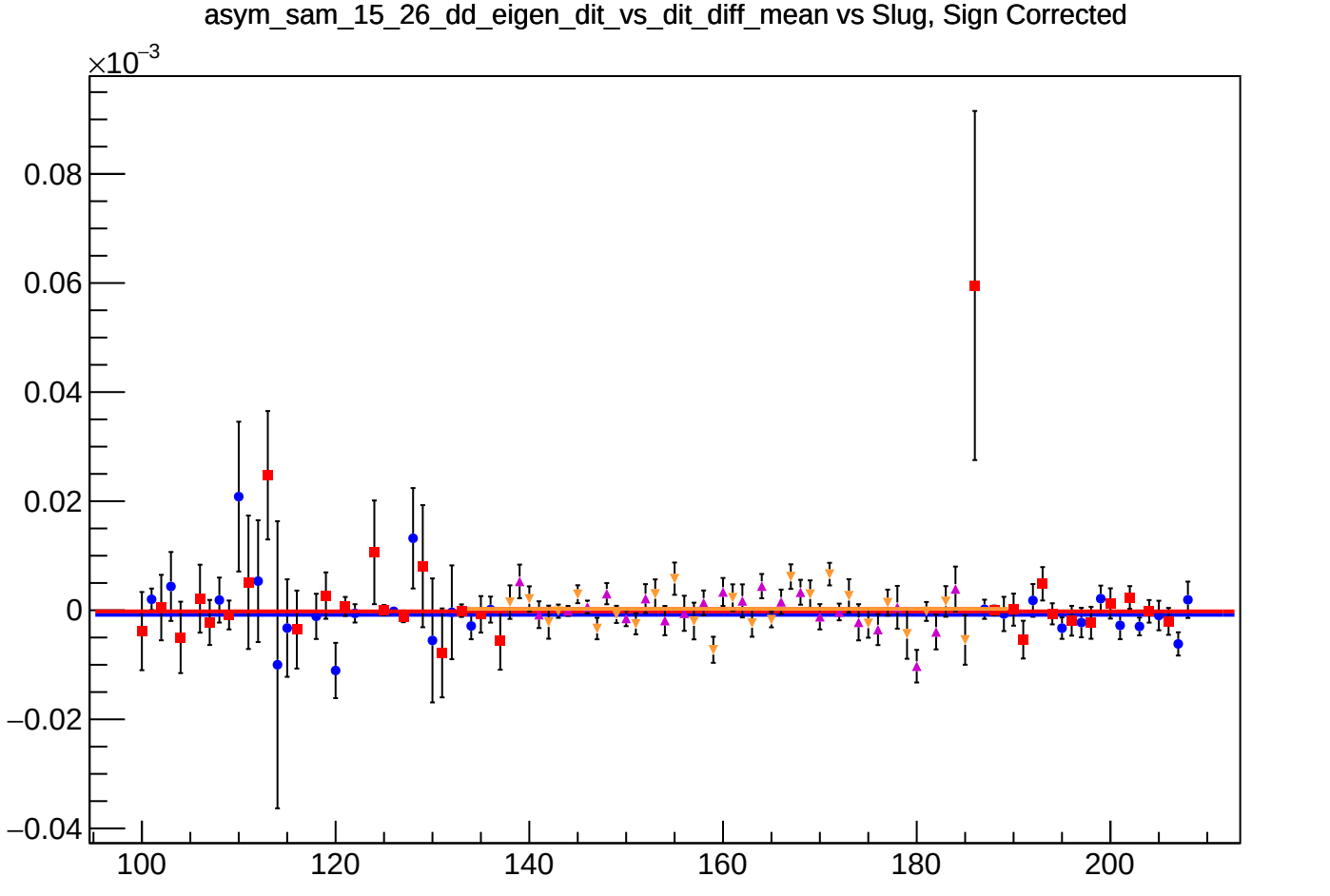
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.812+/-0.005 χ^2/NDF: 7010620.8/57

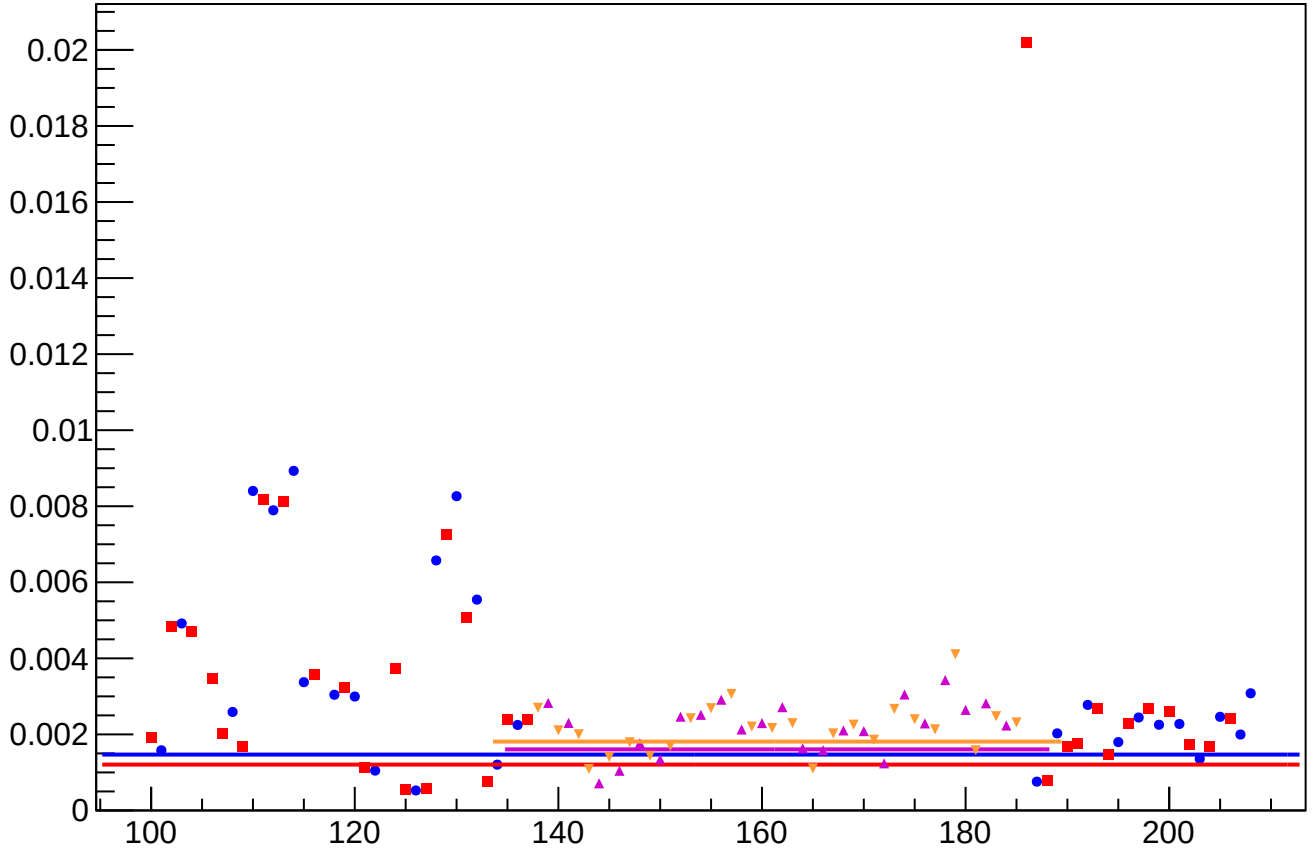
In: 30.581+/-0.004 χ^2/NDF:4723807.2/49

Out: 30.518+/-0.004 χ^2/NDF:6350478.6/55

All: 30.549+/-0.003 χ^2/NDF: 11074418.0/105


asym_sam_15_26_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
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.9/26
Left Out: 0.000+/-0.000 χ²/NDF:50.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/30
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 84.0/47
Right: -0.000+/-0.000 χ²/NDF: 52.3/57
In: -0.000+/-0.000 χ²/NDF:64.1/49
Out: 0.000+/-0.000 χ²/NDF:74.6/55
All: -0.000+/-0.000 χ²/NDF: 139.1/105

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9743589.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11040166.1/30

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

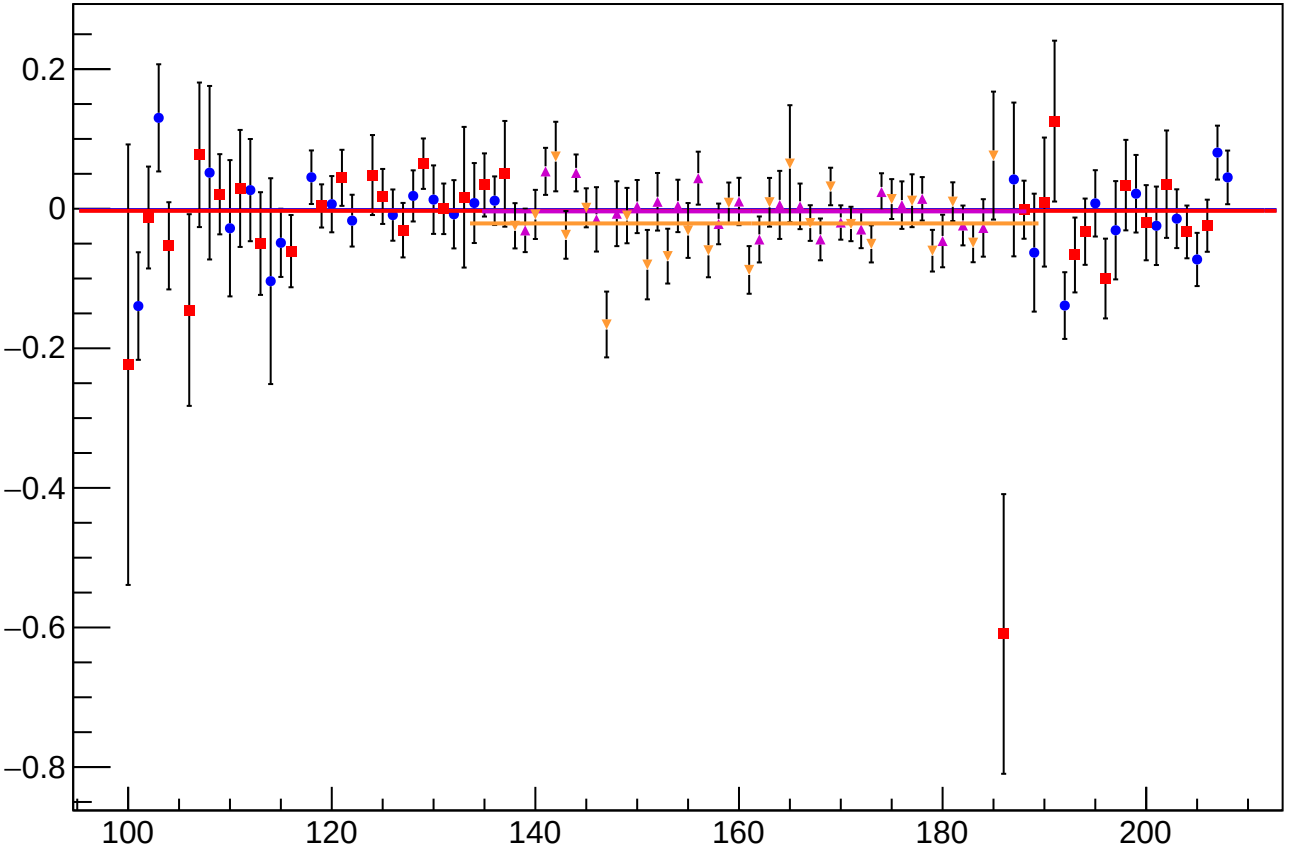
Right: 0.001+/-0.000 χ^2/NDF: 21164052.8/57

In: 0.002+/-0.000 χ^2/NDF:15874381.3/49

Out: 0.001+/-0.000 χ^2/NDF:16608799.8/55

All: 0.002+/-0.000 χ^2/NDF: 32531670.8/105

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

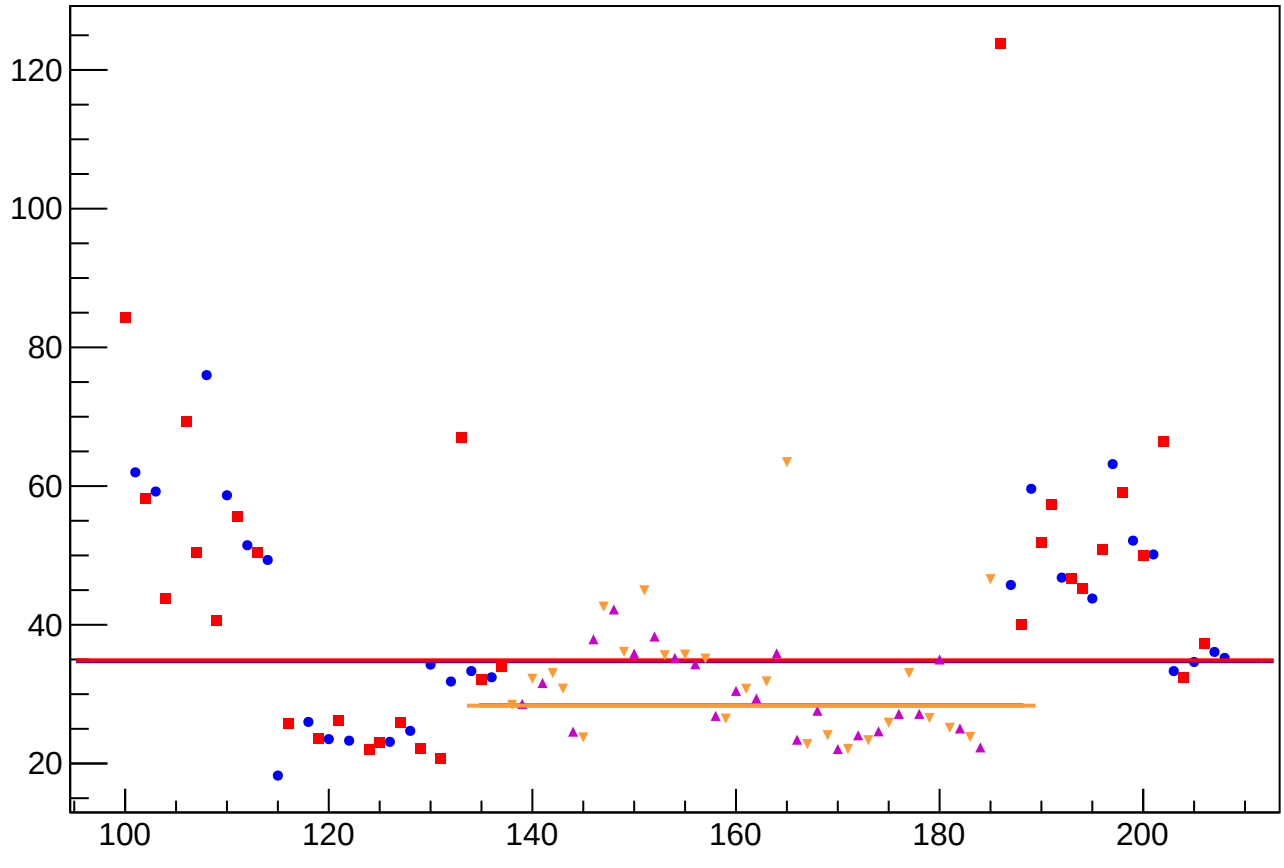
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.007 χ^2/NDF: 58.5/57

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.009+/-0.004 χ^2/NDF: 119.2/105



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

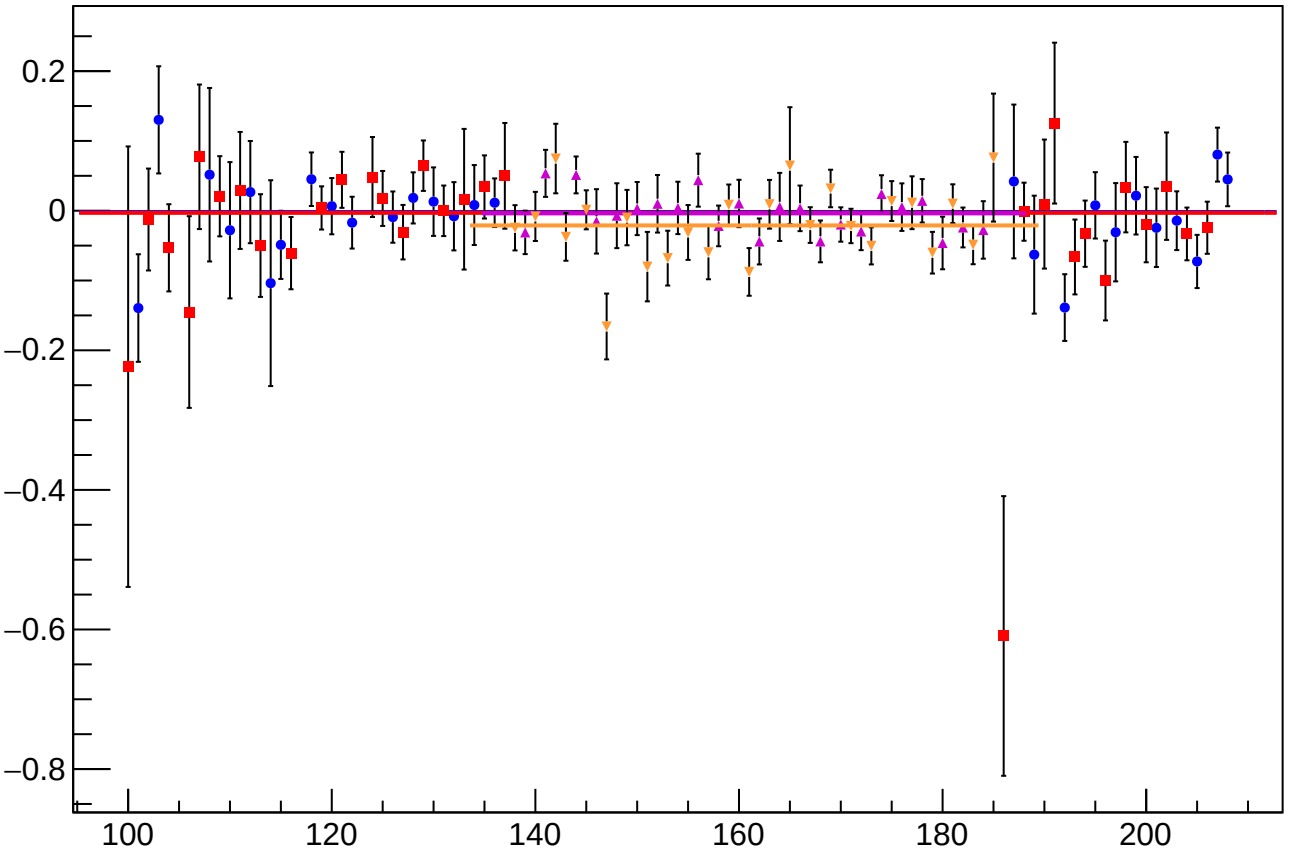
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.812+/-0.005 χ^2/NDF: 7010597.1/57

In: 30.581+/-0.004 χ^2/NDF:4723627.7/49

Out: 30.518+/-0.004 χ^2/NDF:6350486.6/55

All: 30.549+/-0.003 χ^2/NDF: 11074247.5/105



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

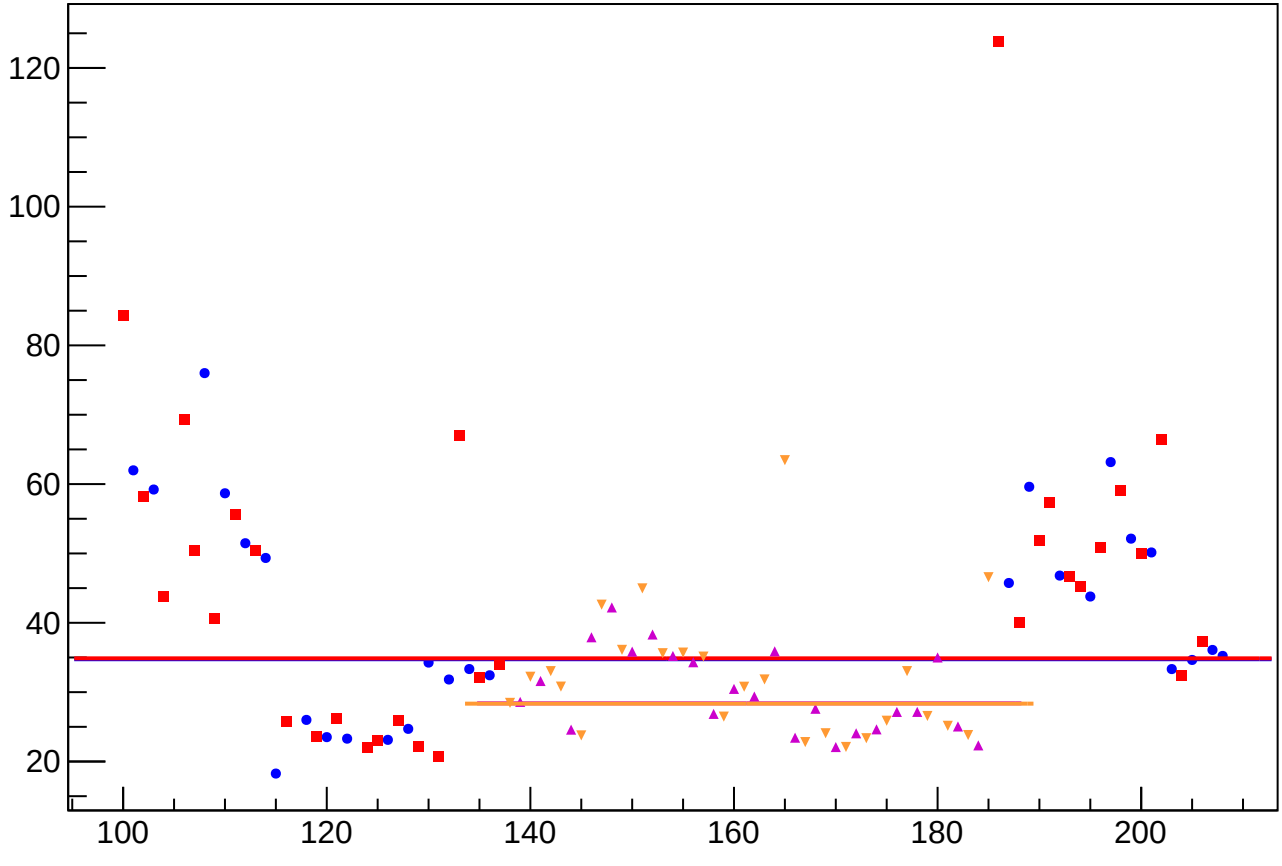
Right: -0.002+/-0.007 χ^2/NDF: 58.5/57

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.009+/-0.004 χ^2/NDF: 119.2/105

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

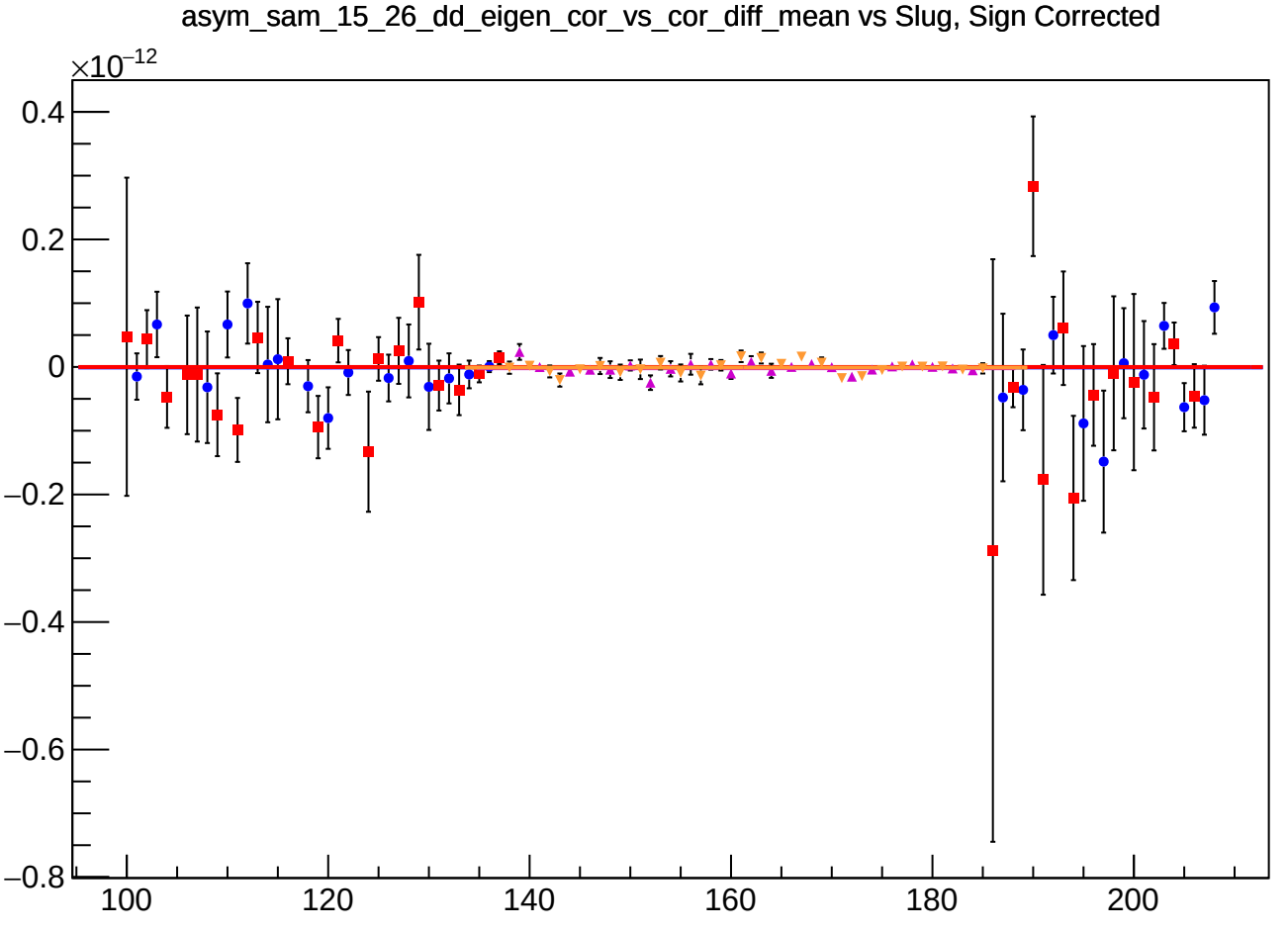
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.812+/-0.005 χ^2/NDF: 7010597.1/57

In: 30.581+/-0.004 χ^2/NDF:4723627.7/49

Out: 30.518+/-0.004 χ^2/NDF:6350486.6/55

All: 30.549+/-0.003 χ^2/NDF: 11074247.5/105



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

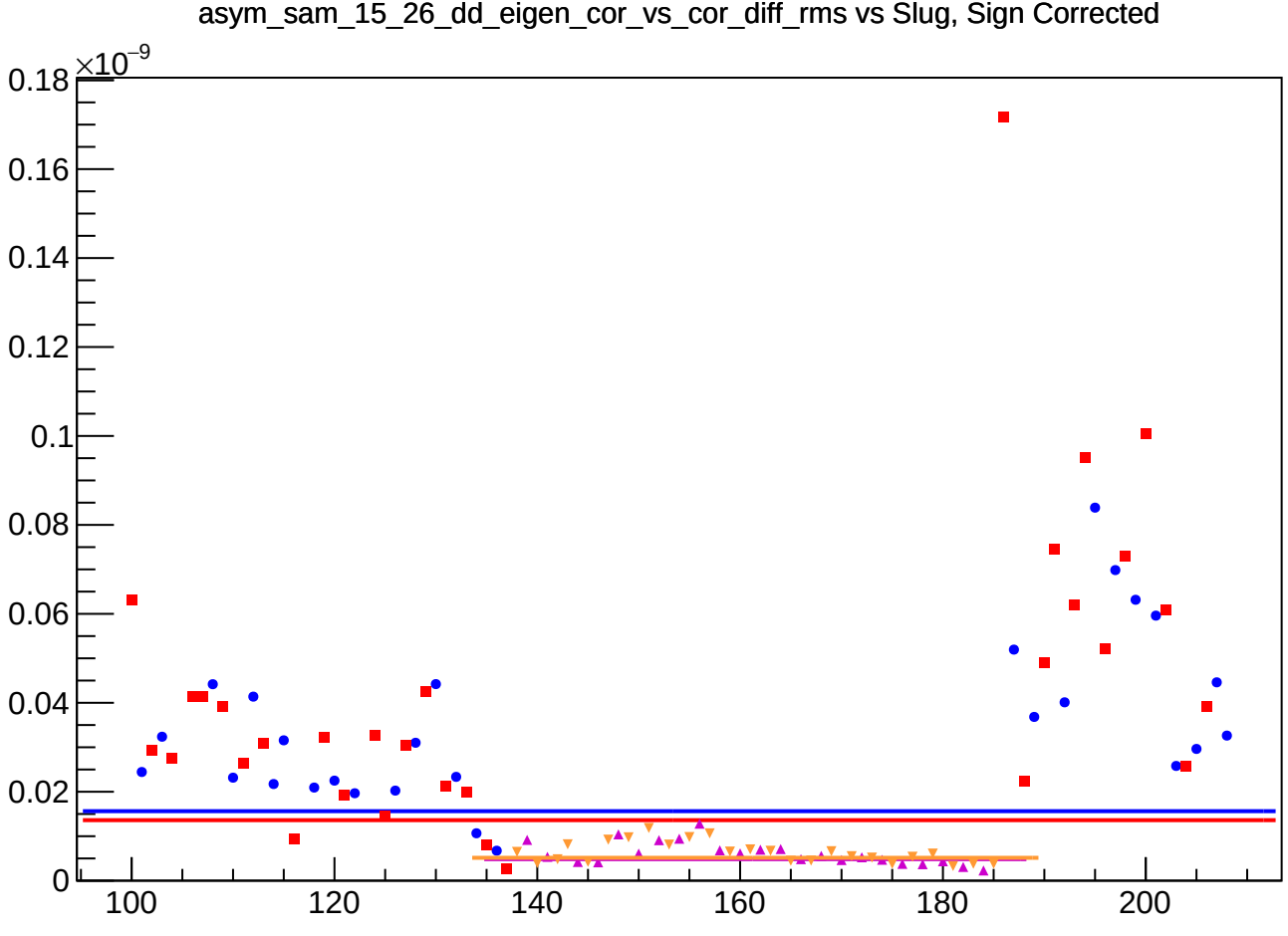
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

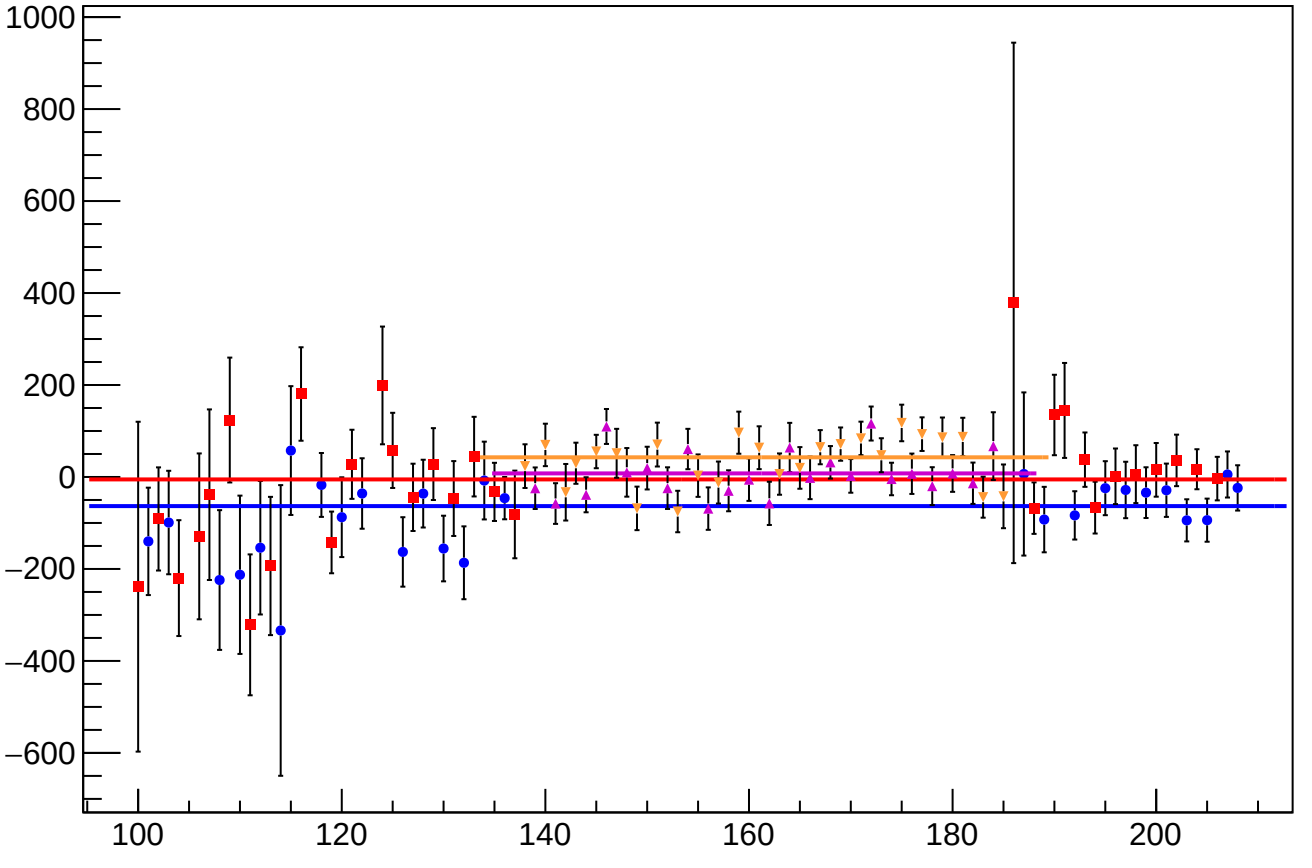
Right: -0.000+/-0.000 χ^2/NDF: 62.2/57

In: -0.000+/-0.000 χ^2/NDF:45.6/49

Out: -0.000+/-0.000 χ^2/NDF:70.3/55

All: -0.000+/-0.000 χ^2/NDF: 116.1/105


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8249405.5/26
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 10596904.1/30
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: 18949601.9/57
In: 0.000+/-0.000 χ²/NDF:16809633.7/49
Out: 0.000+/-0.000 χ²/NDF:17107970.6/55
All: 0.000+/-0.000 χ²/NDF: 33940696.5/105



Right In: -63.317+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.302+/-13.717 χ^2/NDF: 33.0/30

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

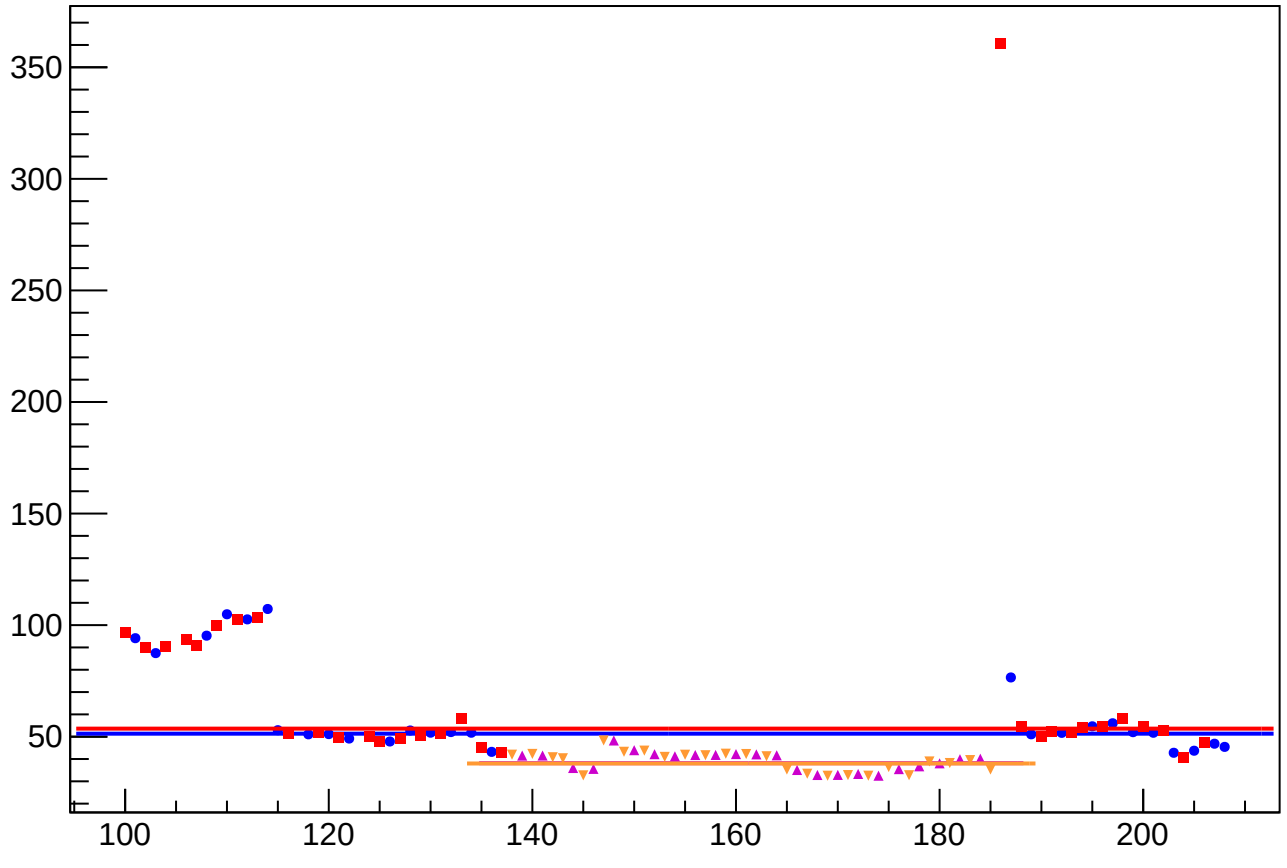
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -35.305+/-9.531 χ^2/NDF: 58.9/57

In: -14.567+/-7.431 χ^2/NDF:67.1/49

Out: 28.980+/-7.346 χ^2/NDF:76.5/55

All: 7.458+/-5.224 χ^2/NDF: 160.9/105



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.4/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 53.613+/-0.010 χ^2/NDF: 2166920.3/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

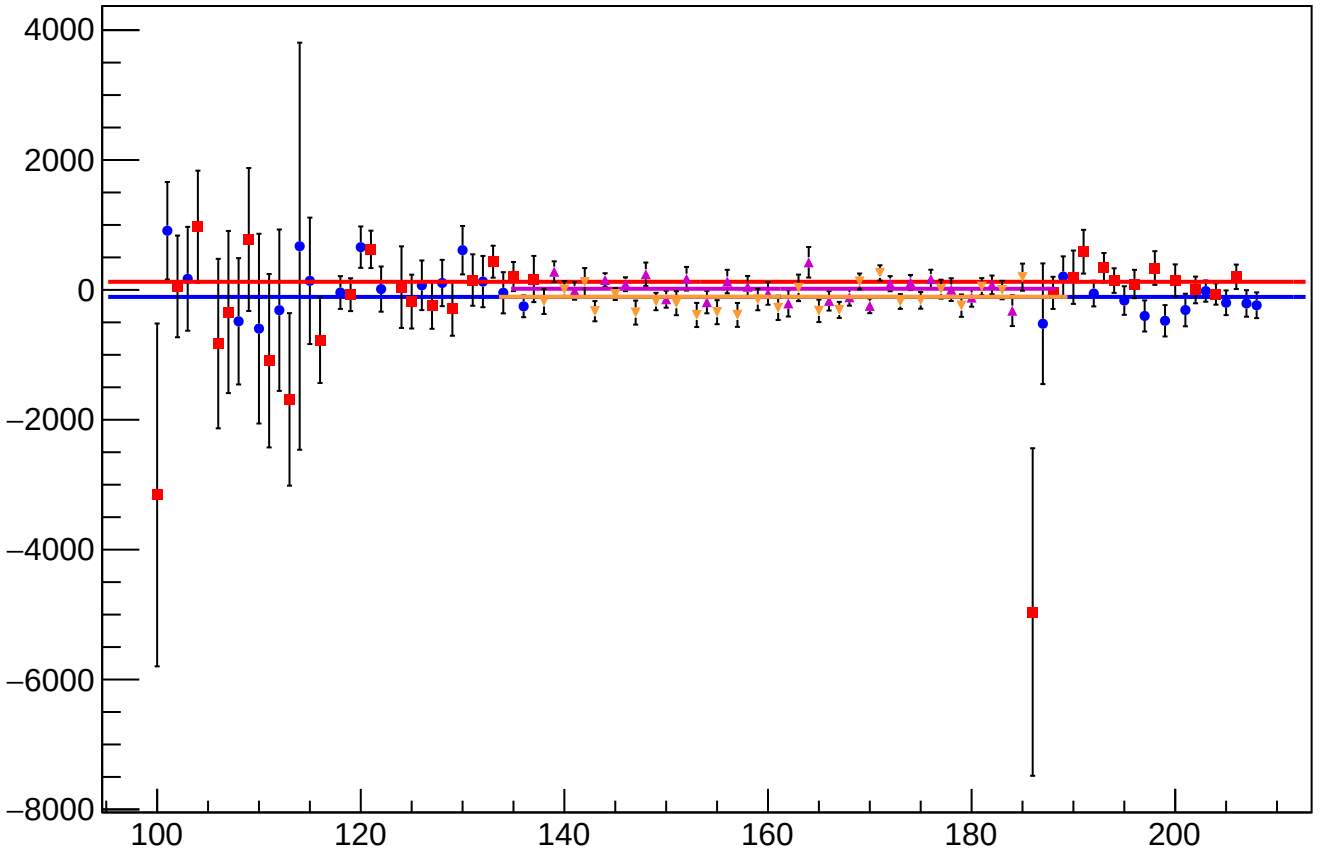
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.444+/-0.007 χ^2/NDF: 3638564.6/57

In: 42.289+/-0.005 χ^2/NDF:3236354.6/49

Out: 42.470+/-0.005 χ^2/NDF:4530951.2/55

All: 42.381+/-0.004 χ^2/NDF: 7767909.7/105



Right In: -108.369+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 124.524+/-55.184 χ^2/NDF: 25.9/30

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

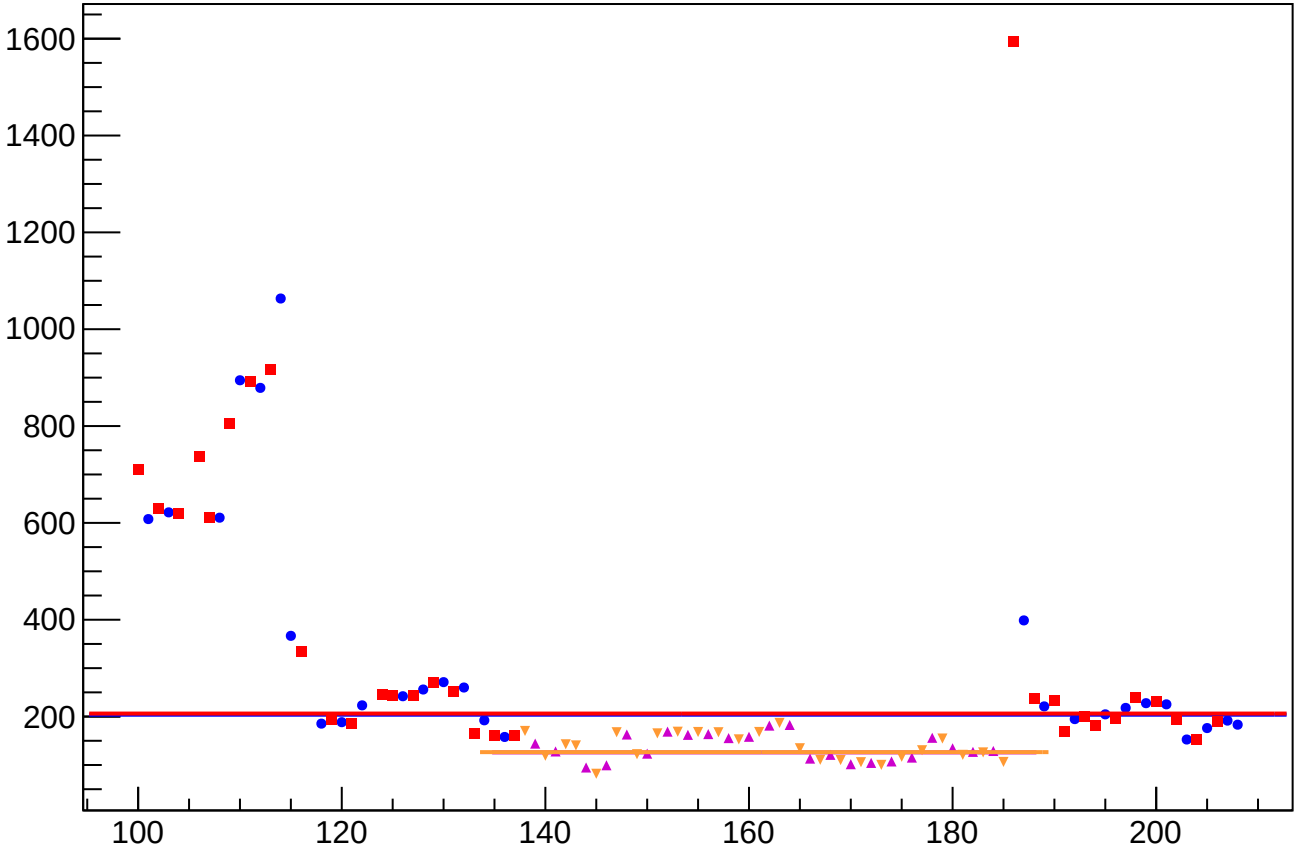
Right: 6.578+/-38.769 χ^2/NDF: 55.8/57

In: -12.053+/-26.403 χ^2/NDF:53.1/49

Out: -54.987+/-26.059 χ^2/NDF:77.2/55

All: -33.801+/-18.547 χ^2/NDF: 131.7/105

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 203.827+/-0.039 χ^2/NDF: 3467645.1/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.221+/-0.039 χ^2/NDF: 4735252.9/30

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

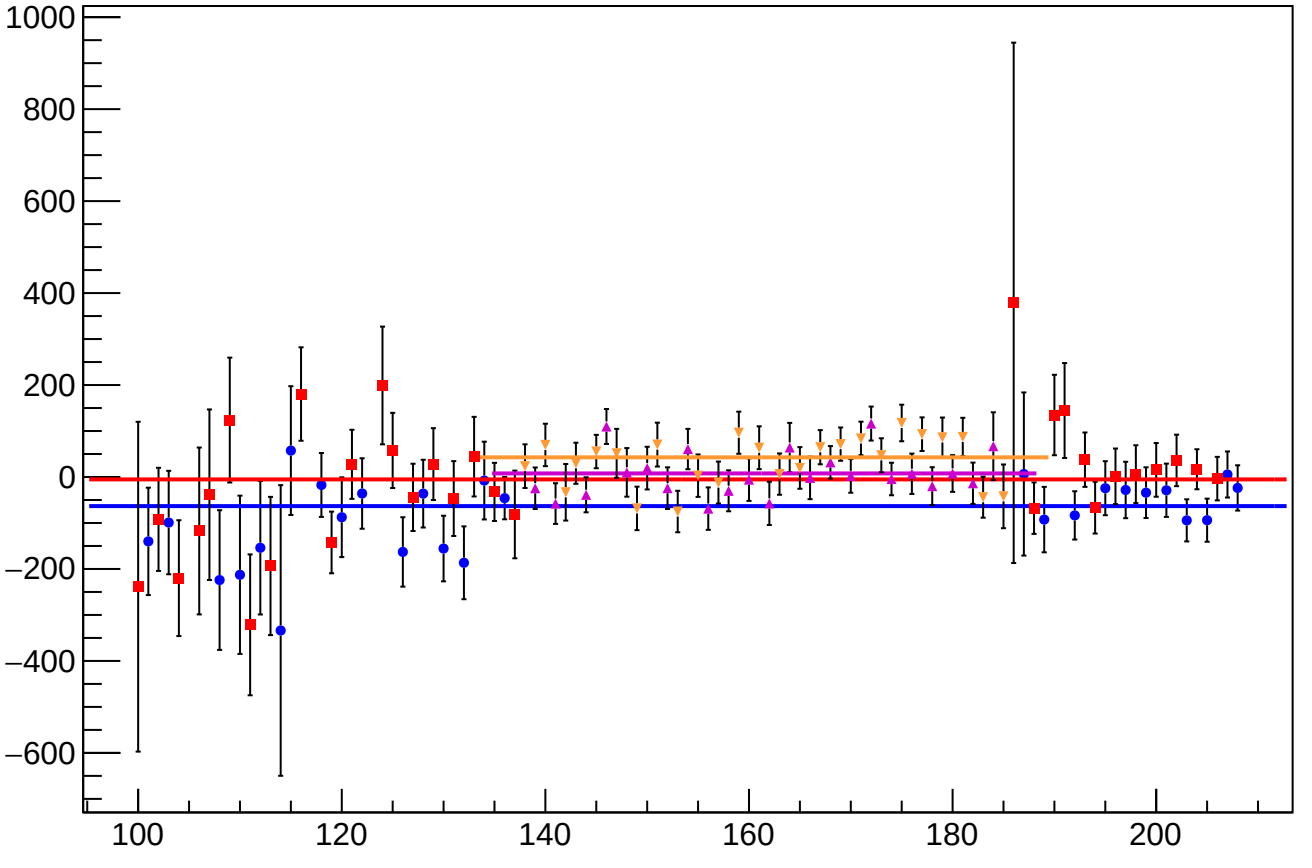
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 205.009+/-0.027 χ^2/NDF: 8204803.6/57

In: 144.291+/-0.019 χ^2/NDF:8000228.8/49

Out: 144.325+/-0.018 χ^2/NDF:9731636.9/55

All: 144.308+/-0.013 χ^2/NDF: 17731867.4/10



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.239+/-13.717 χ^2/NDF: 32.9/30

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

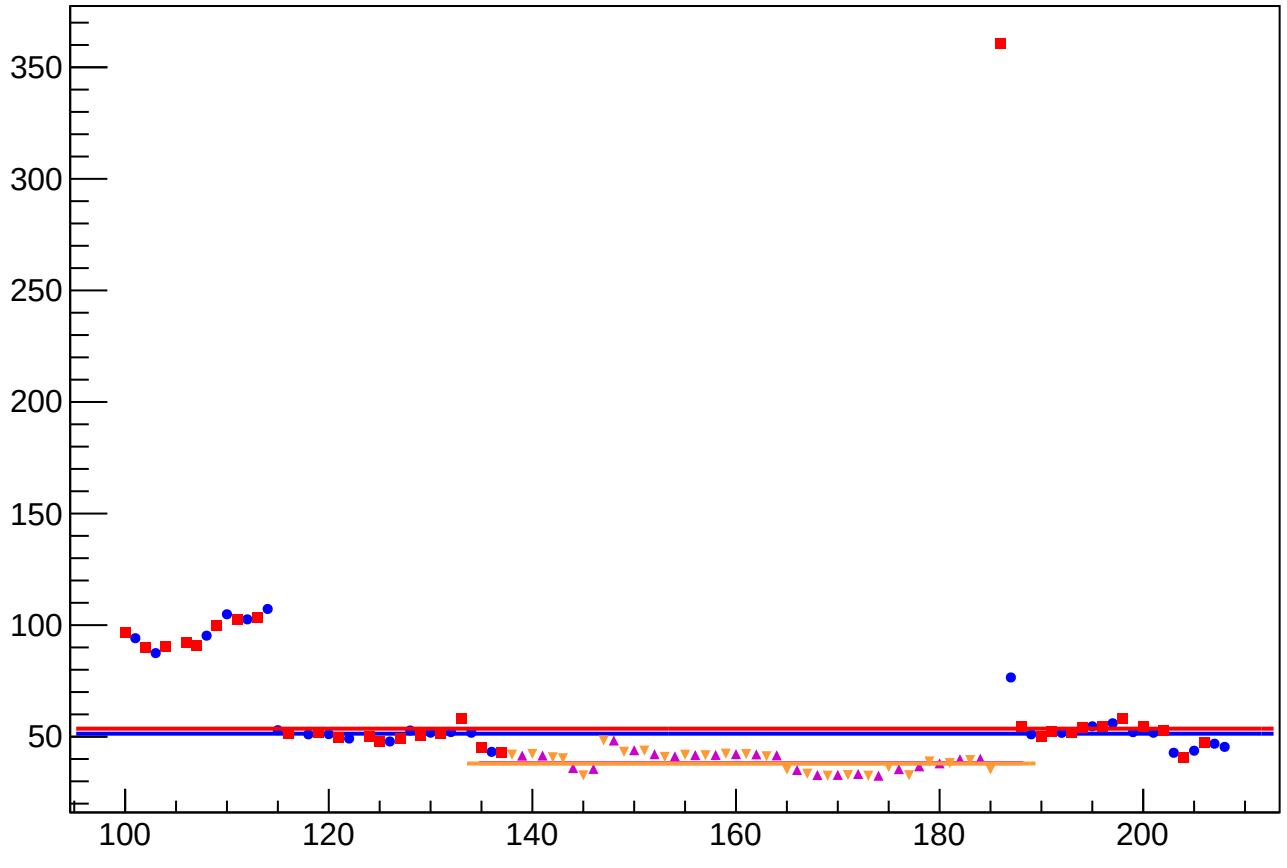
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -35.275+/-9.532 χ^2/NDF: 58.9/57

In: -14.566+/-7.431 χ^2/NDF:67.1/49

Out: 29.000+/-7.346 χ^2/NDF:76.4/55

All: 7.469+/-5.224 χ^2/NDF: 160.8/105



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

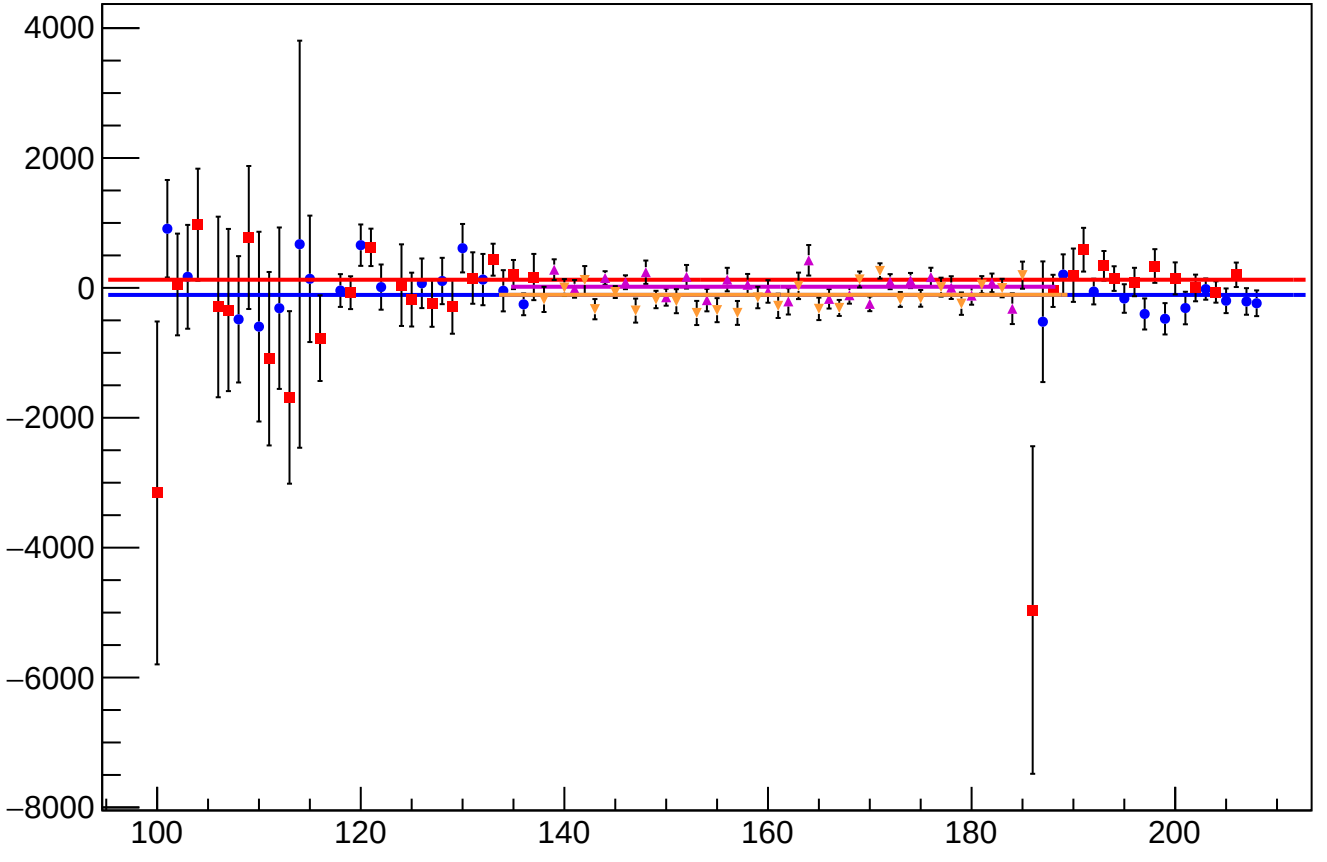
Right: 52.439+/-0.007 χ^2/NDF: 3629938.4/57

In: 42.289+/-0.005 χ^2/NDF:3236354.8/49

Out: 42.467+/-0.005 χ^2/NDF:4519801.1/55

All: 42.379+/-0.004 χ^2/NDF: 7756736.5/105

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 125.554+/-55.190 χ^2/NDF: 25.5/30

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

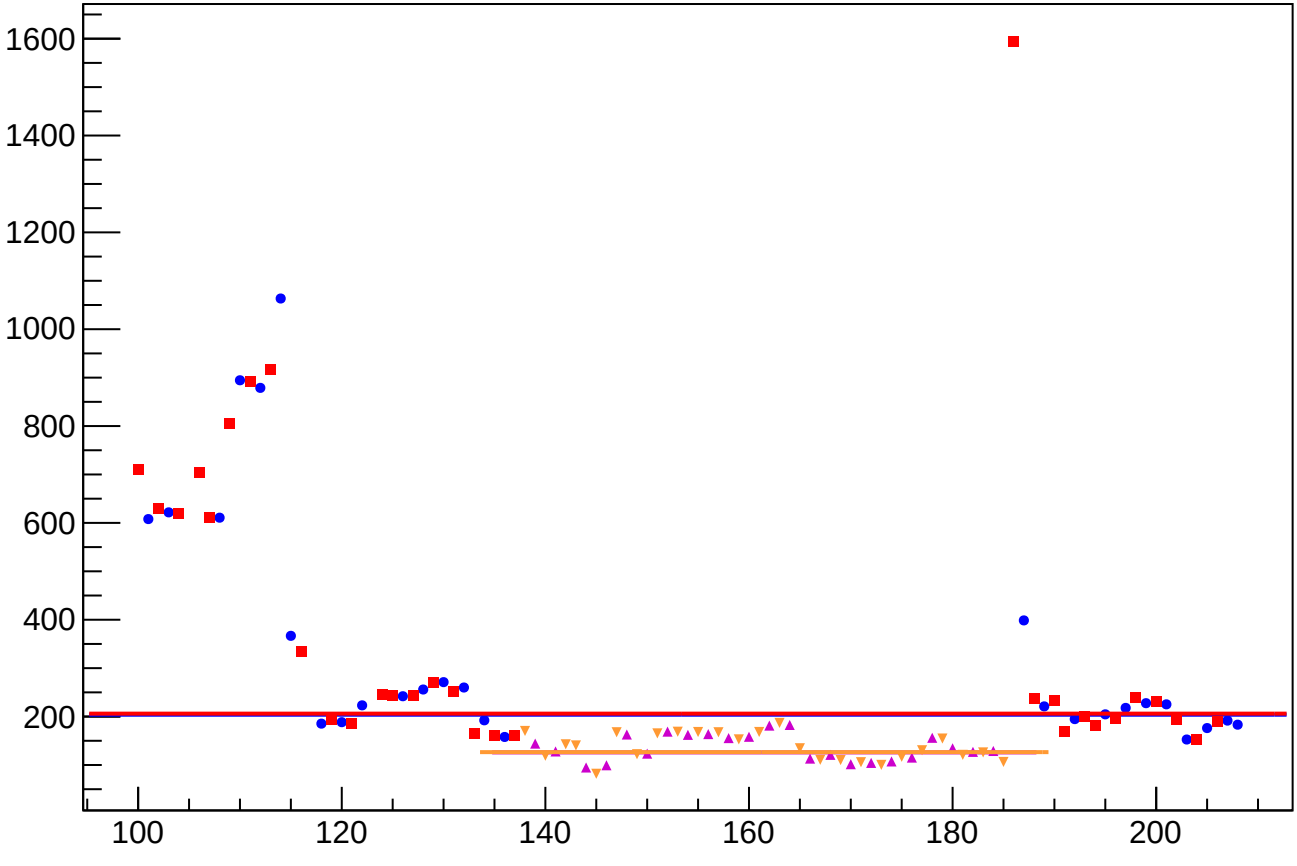
Right: 7.075+/-38.771 χ^2/NDF: 55.4/57

In: -12.052+/-26.403 χ^2/NDF:53.1/49

Out: -54.766+/-26.060 χ^2/NDF:76.9/55

All: -33.688+/-18.547 χ^2/NDF: 131.3/105

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

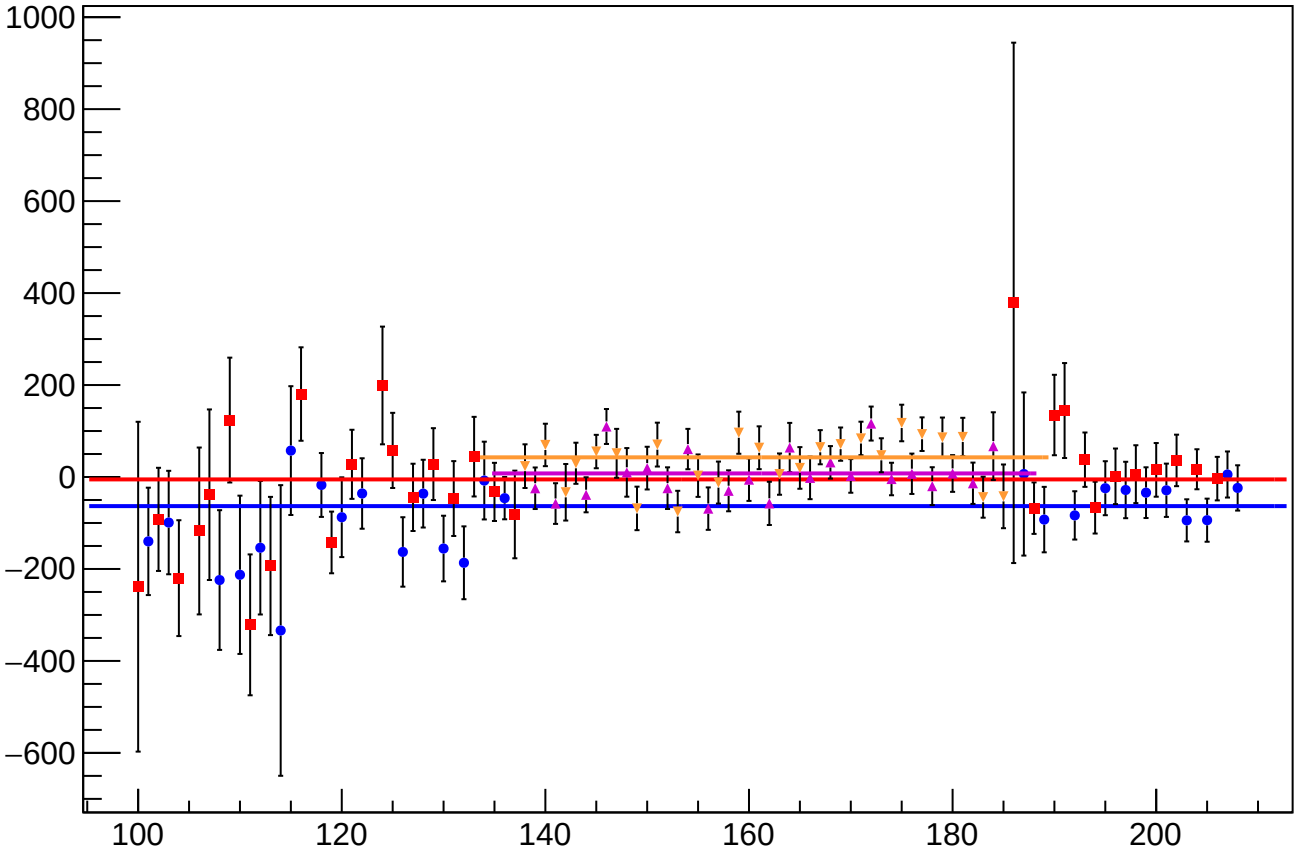
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 204.928+/-0.027 χ^2/NDF: 8131410.0/57

In: 144.291+/-0.019 χ^2/NDF:8000250.0/49

Out: 144.285+/-0.018 χ^2/NDF:9644639.3/55

All: 144.288+/-0.013 χ^2/NDF: 17644889.4/10



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.239+/-13.717 χ^2/NDF: 32.9/30

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

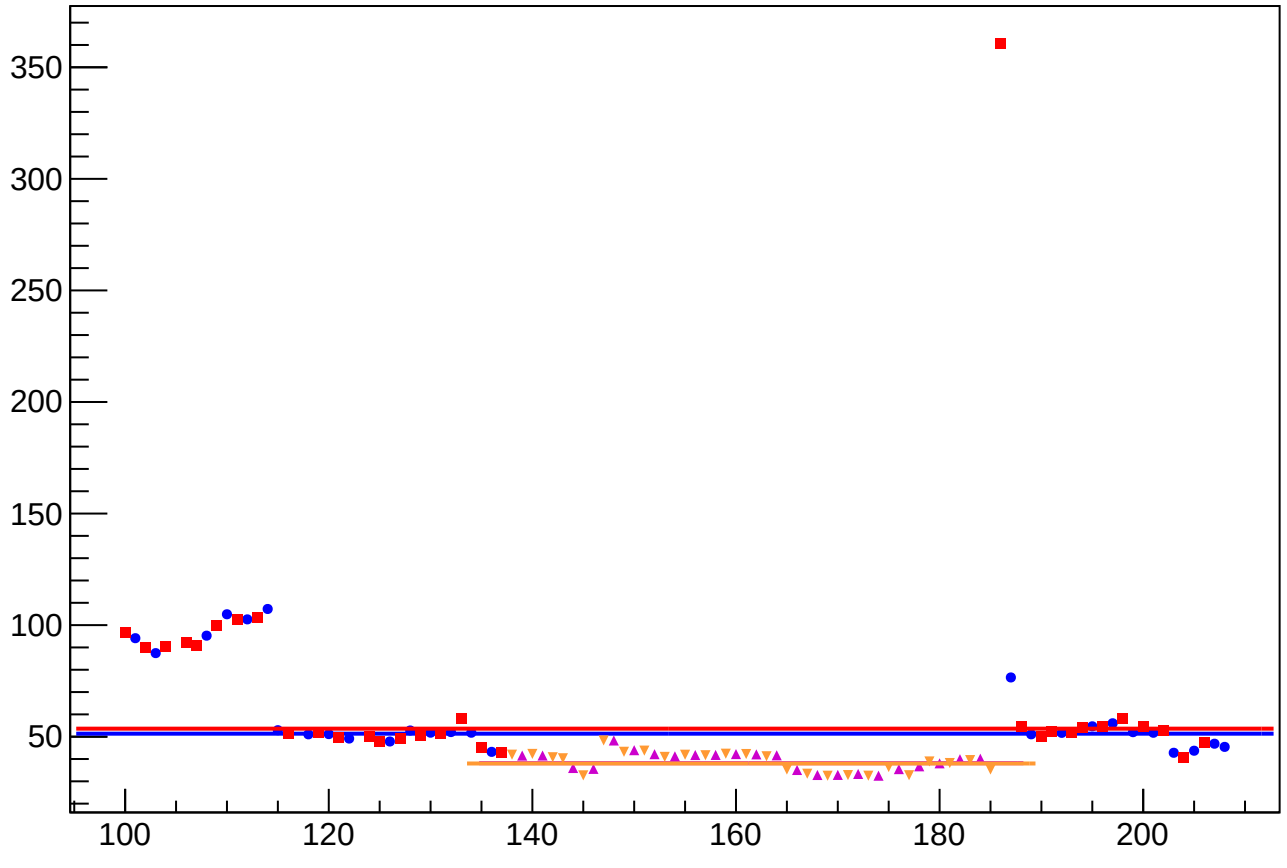
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -35.275+/-9.532 χ^2/NDF: 58.9/57

In: -14.566+/-7.431 χ^2/NDF:67.1/49

Out: 29.000+/-7.346 χ^2/NDF:76.4/55

All: 7.469+/-5.224 χ^2/NDF: 160.8/105



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

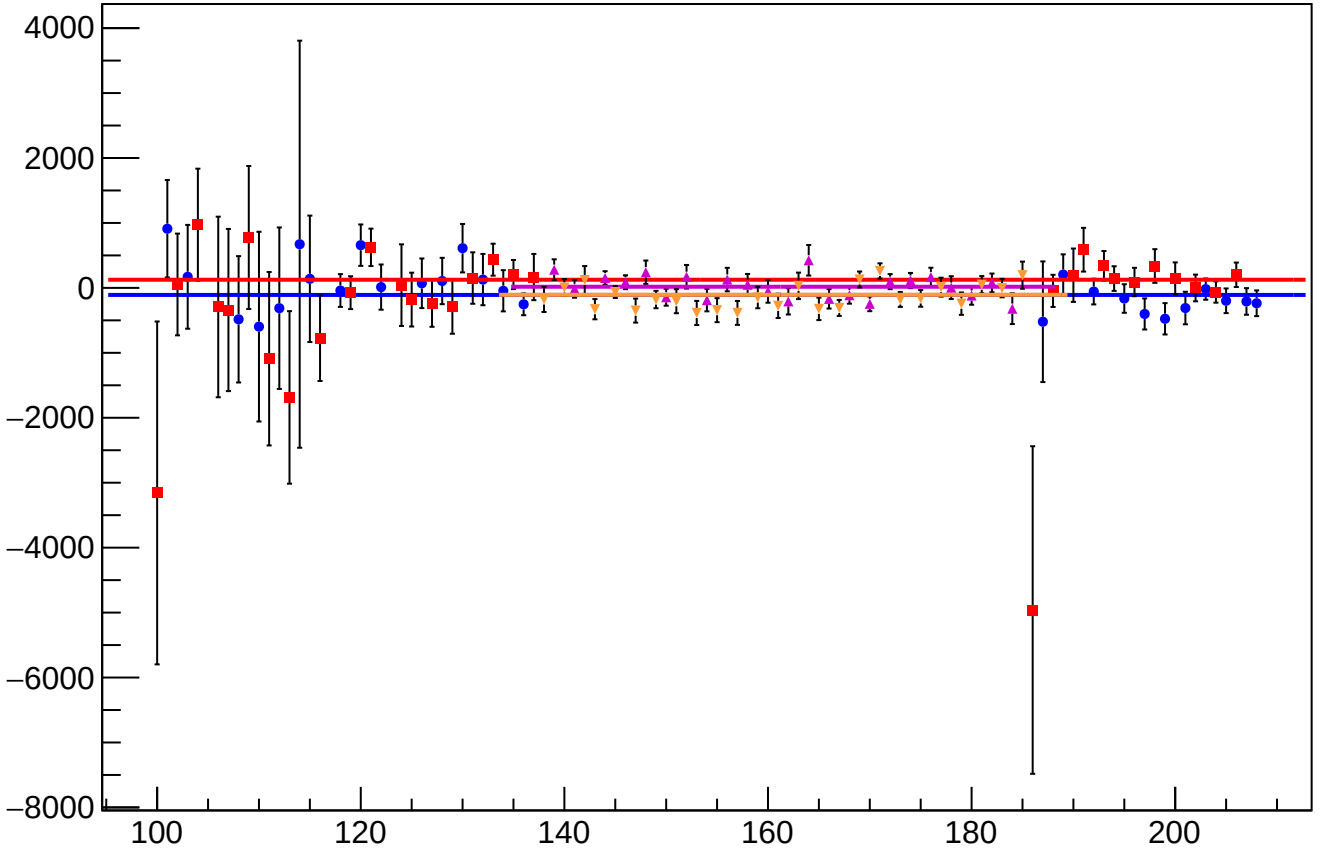
Right: 52.439+/-0.007 χ^2/NDF: 3629938.4/57

In: 42.289+/-0.005 χ^2/NDF:3236354.8/49

Out: 42.467+/-0.005 χ^2/NDF:4519801.1/55

All: 42.379+/-0.004 χ^2/NDF: 7756736.5/105

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 125.554+/-55.190 χ^2/NDF: 25.5/30

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

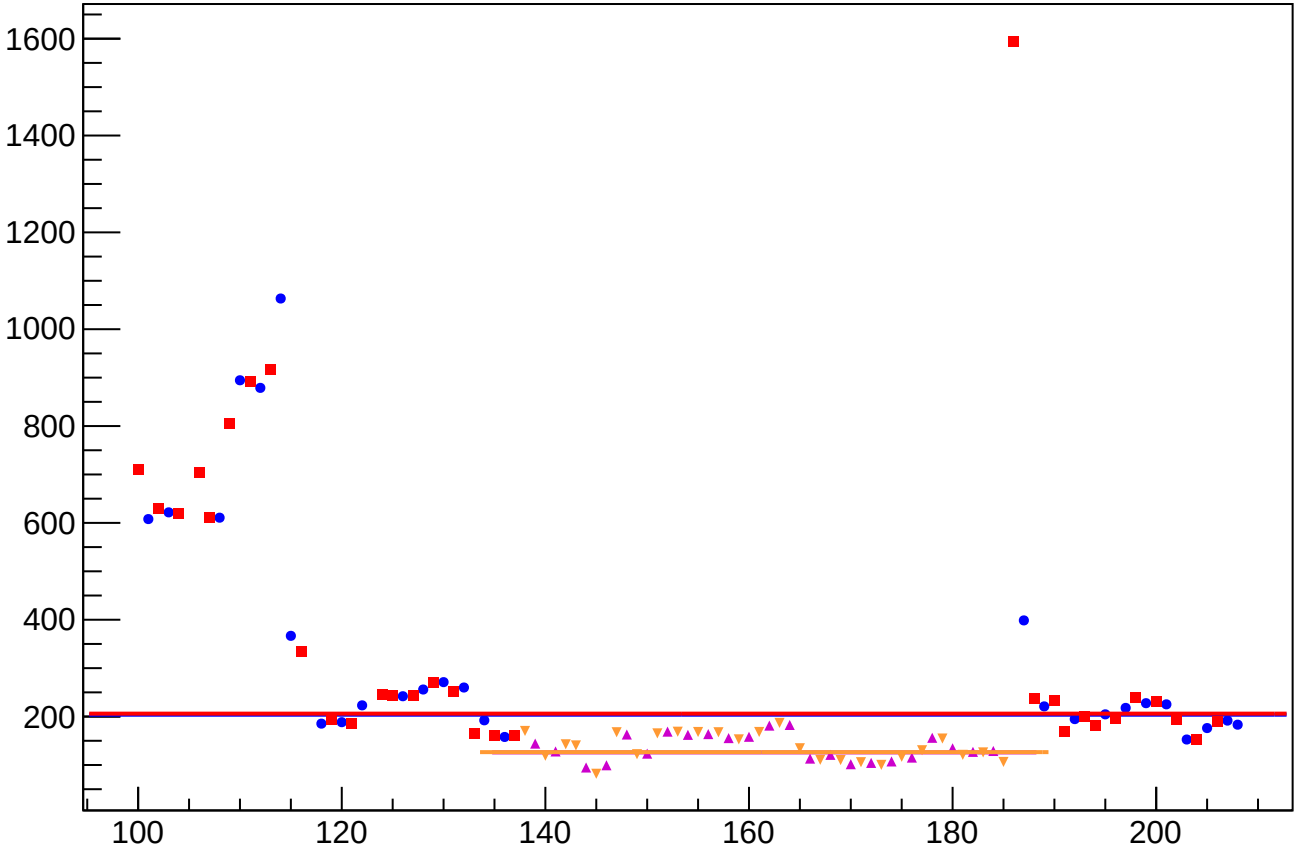
Right: 7.075+/-38.771 χ^2/NDF: 55.4/57

In: -12.052+/-26.403 χ^2/NDF:53.1/49

Out: -54.766+/-26.060 χ^2/NDF:76.9/55

All: -33.688+/-18.547 χ^2/NDF: 131.3/105

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

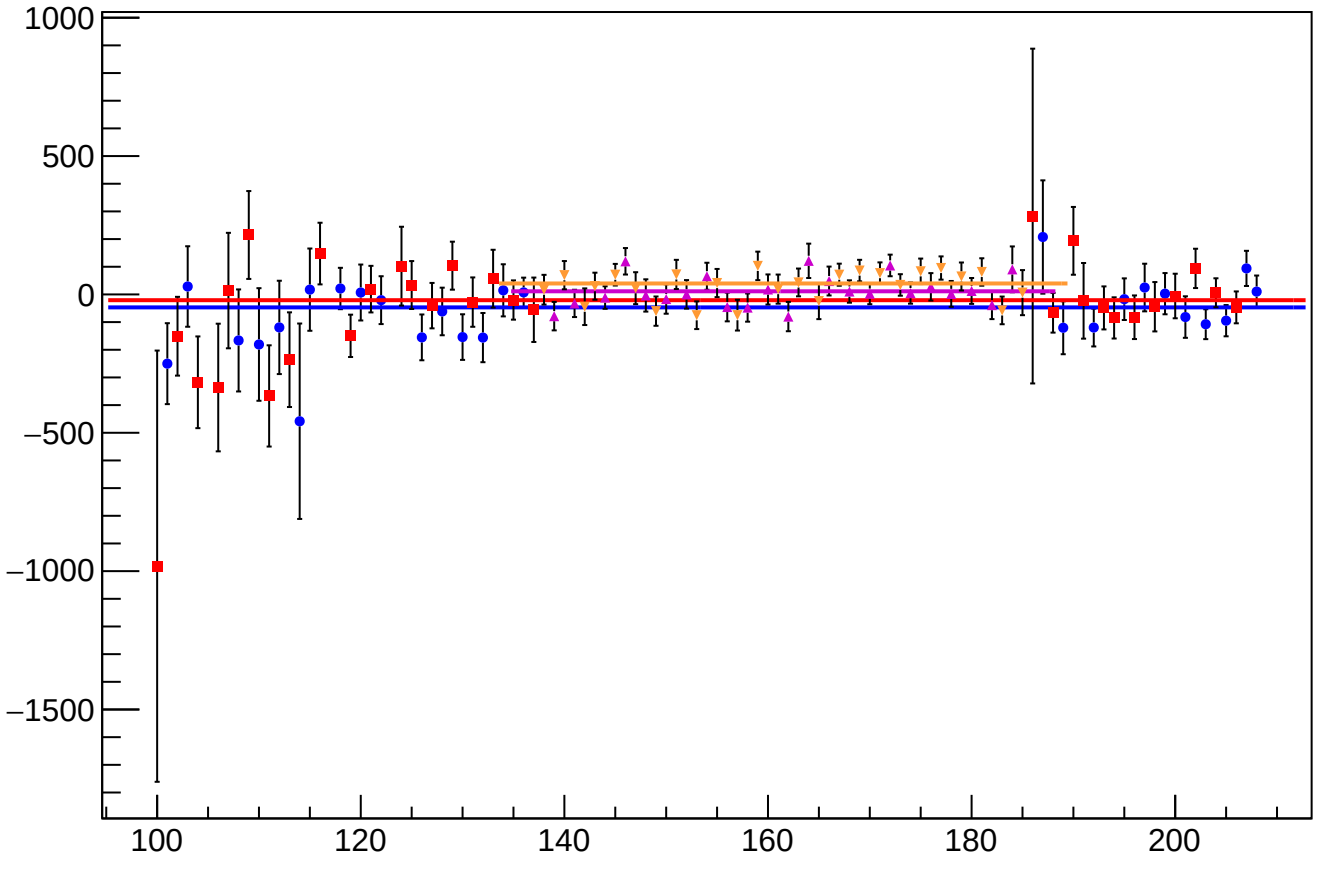
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 204.928+/-0.027 χ^2/NDF: 8131410.0/57

In: 144.291+/-0.019 χ^2/NDF:8000250.0/49

Out: 144.285+/-0.018 χ^2/NDF:9644639.3/55

All: 144.288+/-0.013 χ^2/NDF: 17644889.4/10



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -20.847+/-16.786 χ^2/NDF: 32.5/30

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

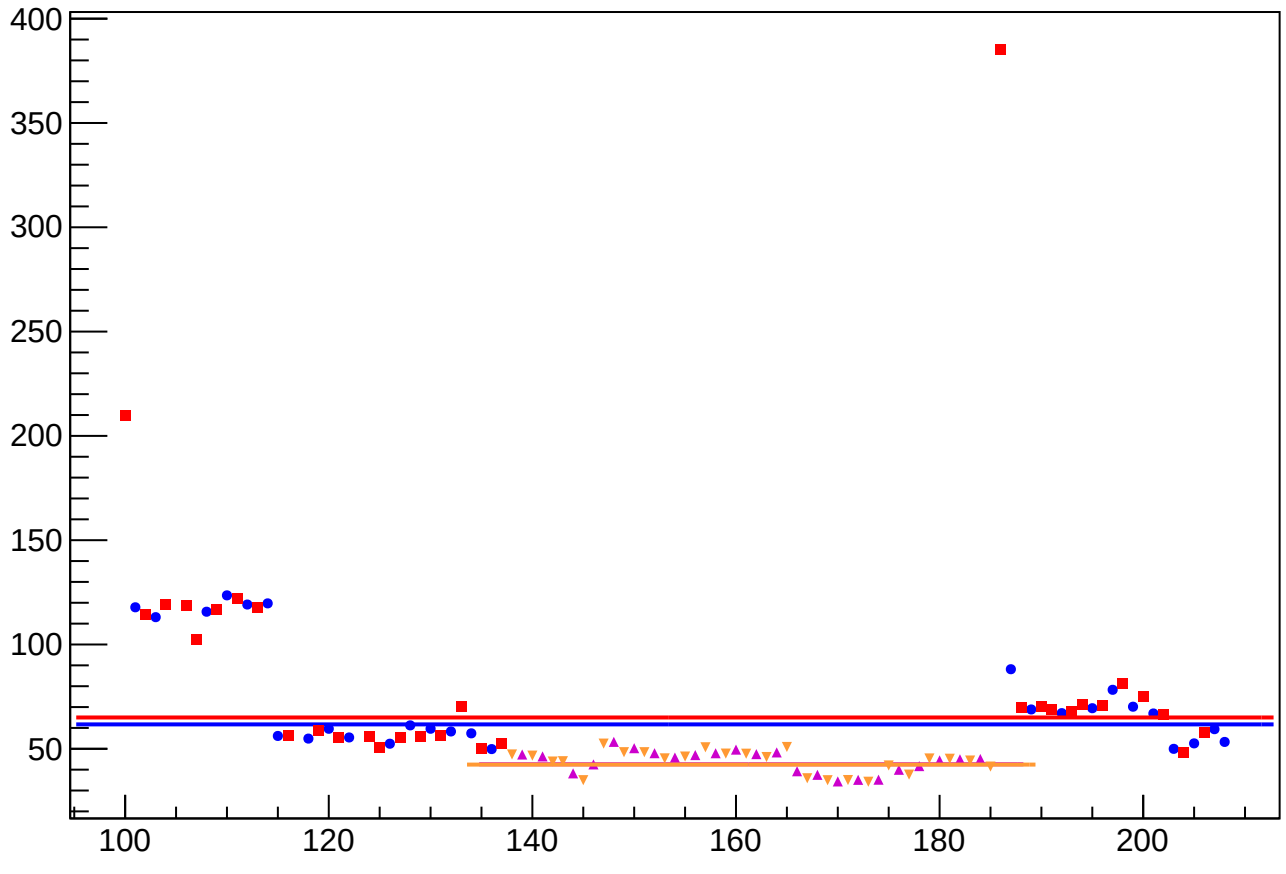
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -34.433+/-11.598 χ^2/NDF: 58.8/57

In: -5.145+/-8.533 χ^2/NDF:62.4/49

Out: 24.335+/-8.428 χ^2/NDF:71.8/55

All: 9.778+/-5.996 χ^2/NDF: 140.2/105



Right In: 61.699+/-0.011 χ^2/NDF: 1729101.8/26

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.015+/-0.012 χ^2/NDF: 2528158.1/30

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

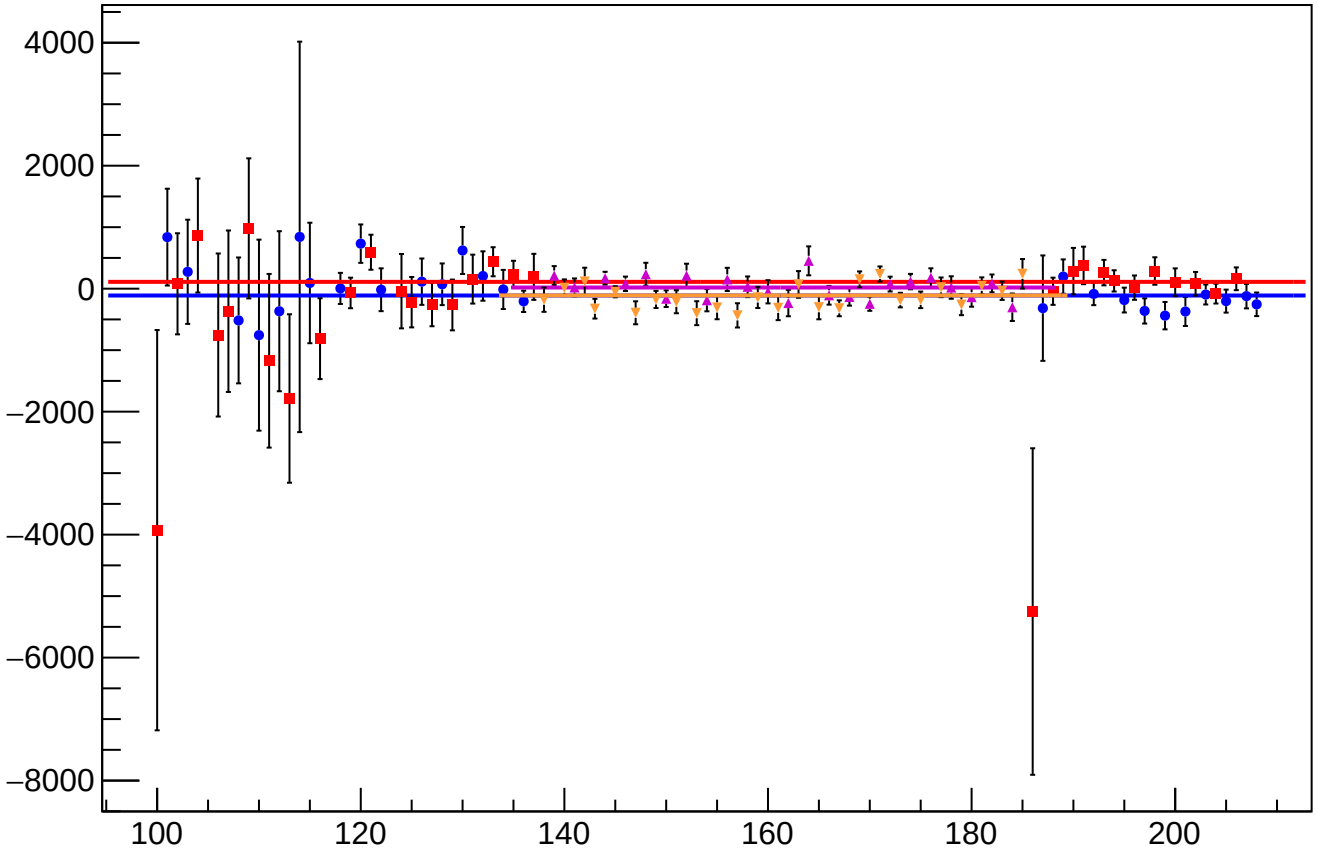
Right: 63.282+/-0.008 χ^2/NDF: 4298043.8/57

In: 47.988+/-0.006 χ^2/NDF:4355949.7/49

Out: 48.120+/-0.006 χ^2/NDF:5935634.0/55

All: 48.055+/-0.004 χ^2/NDF: 10291826.4/105

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -111.245+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 110.823+/-52.205 χ^2/NDF: 24.8/30

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

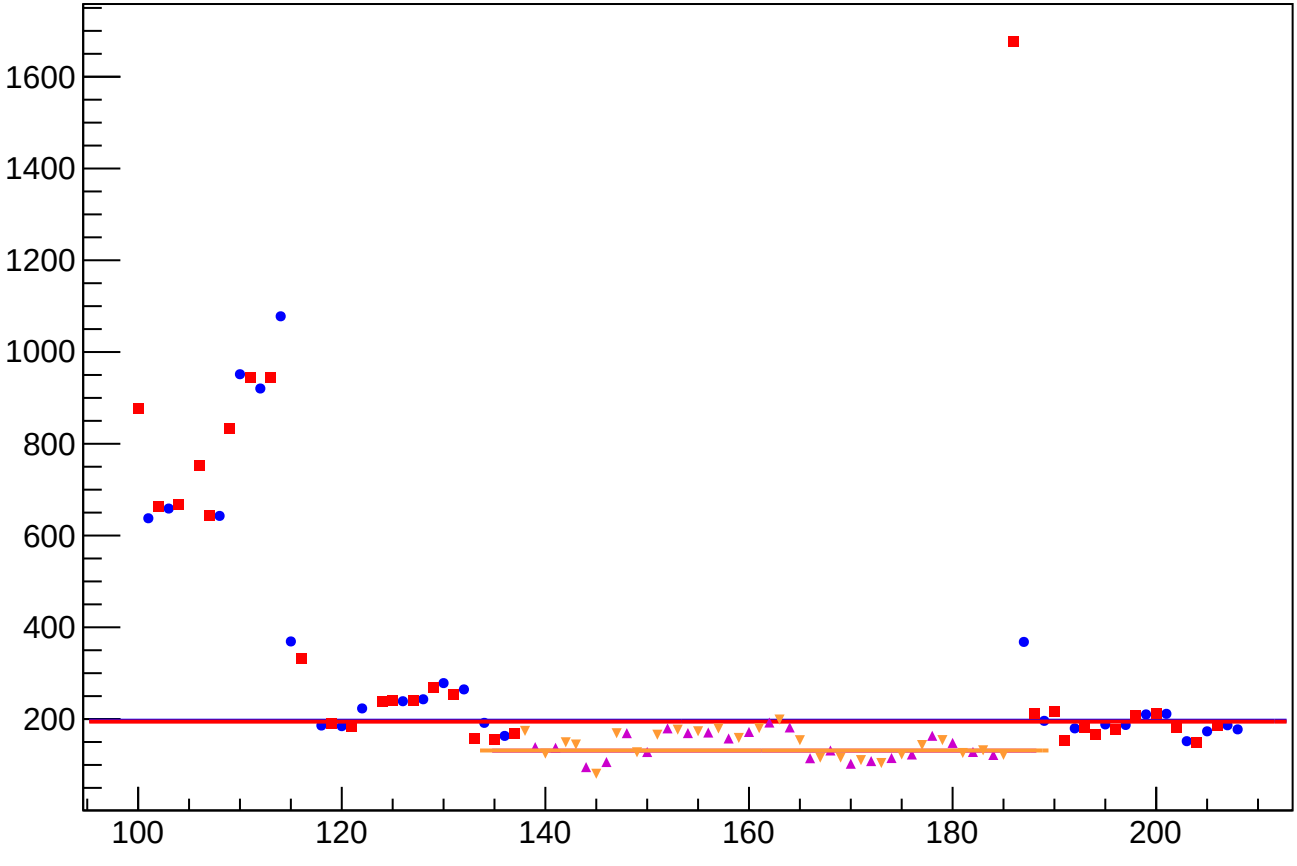
Right: 0.554+/-37.042 χ^2/NDF: 56.0/57

In: -15.494+/-27.005 χ^2/NDF:53.9/49

Out: -53.000+/-26.501 χ^2/NDF:74.3/55

All: -34.601+/-18.915 χ^2/NDF: 129.2/105

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 196.423+/-0.037 χ^2/NDF: 3543712.0/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966698.8/30

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

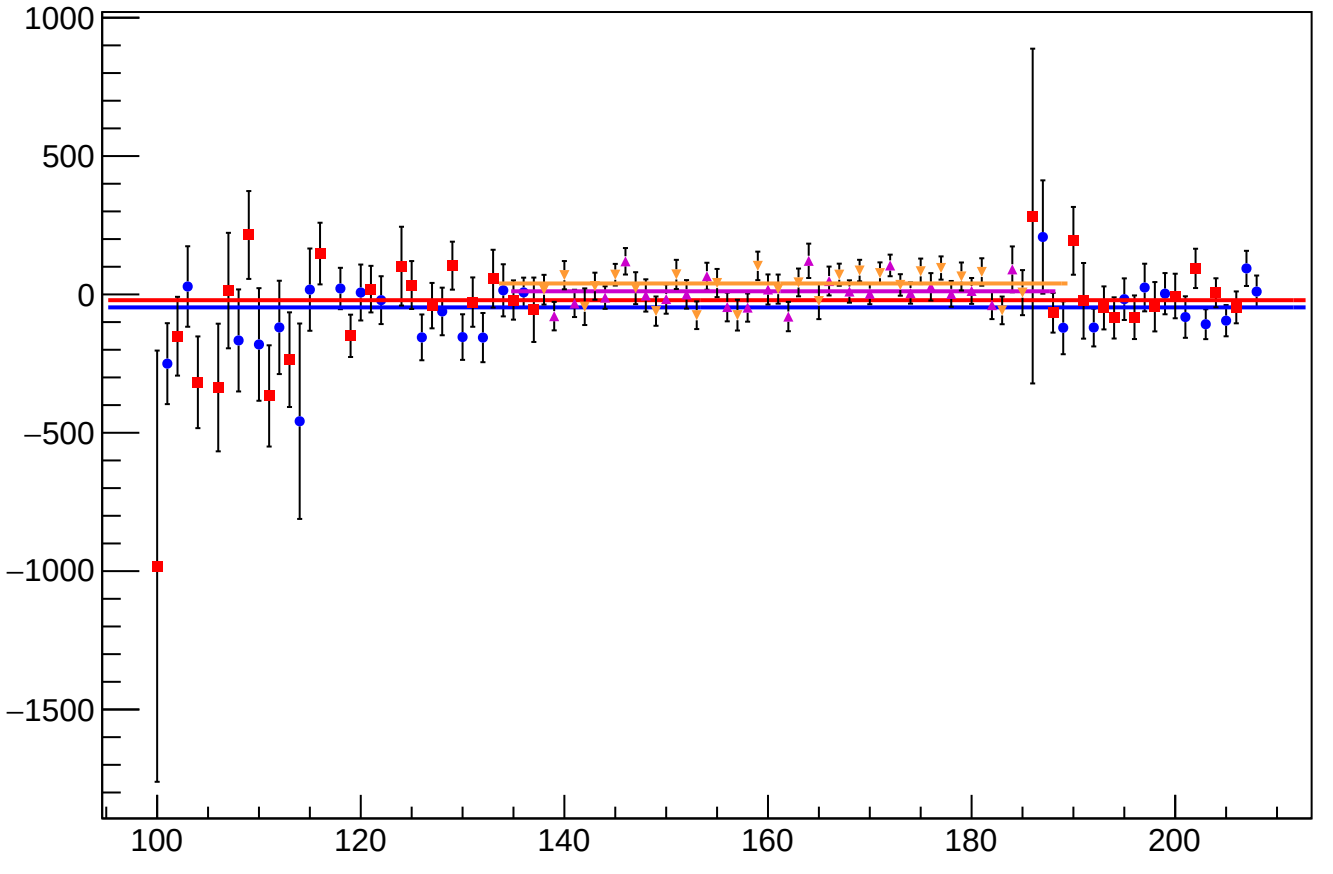
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

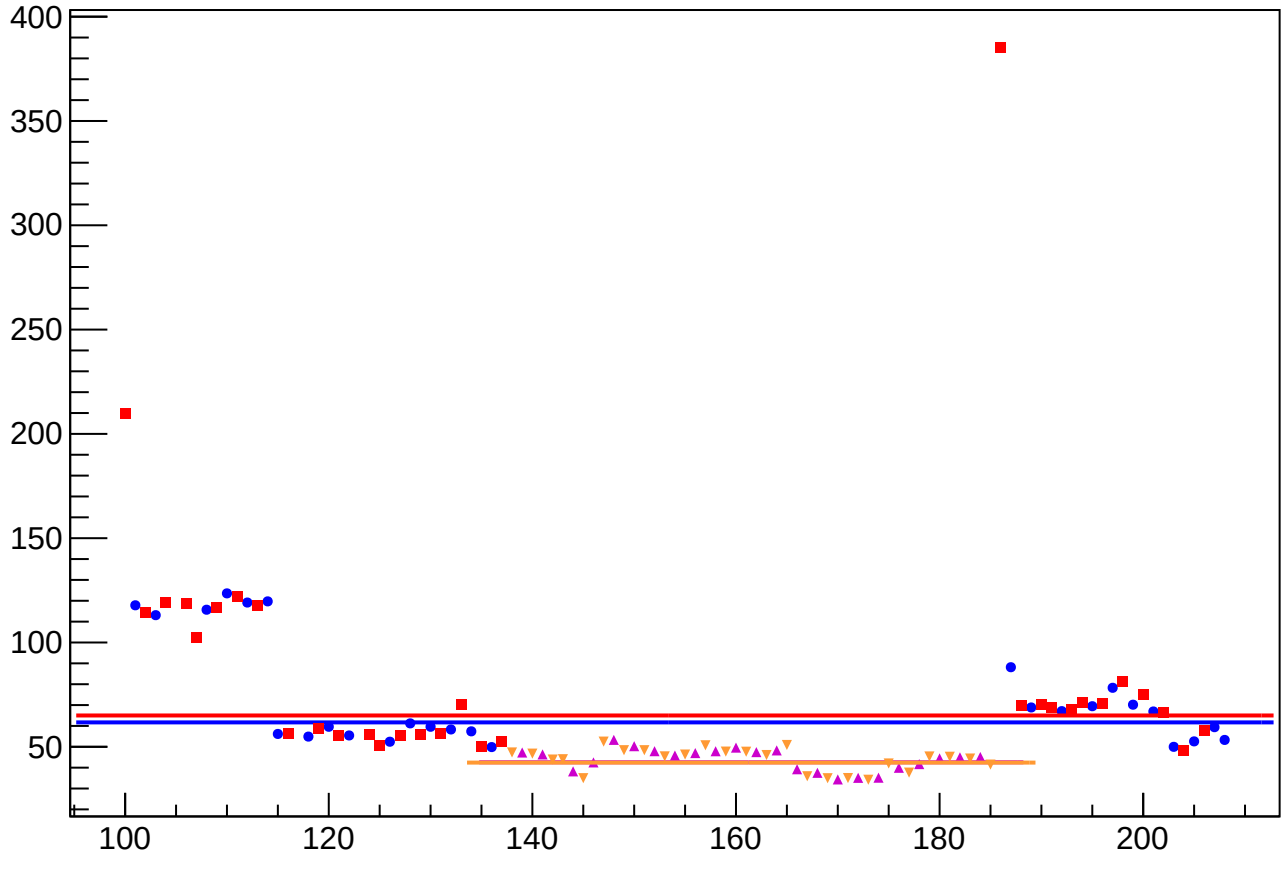
Right: 195.409+/-0.026 χ^2/NDF: 8511888.8/57

In: 148.321+/-0.019 χ^2/NDF:7286721.9/49

Out: 147.722+/-0.019 χ^2/NDF:9024478.7/55

All: 148.016+/-0.013 χ^2/NDF: 16311702.0/10


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -46.844+/-16.044 χ²/NDF: 25.1/26
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -20.848+/-16.786 χ²/NDF: 32.5/30
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -34.434+/-11.598 χ²/NDF: 58.8/57
In: -5.145+/-8.533 χ²/NDF:62.4/49
Out: 24.336+/-8.428 χ²/NDF:71.8/55
All: 9.779+/-5.996 χ²/NDF: 140.2/105



Right In: 61.699+/-0.011 χ^2/NDF: 1729085.2/26

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.015+/-0.012 χ^2/NDF: 2528133.8/30

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

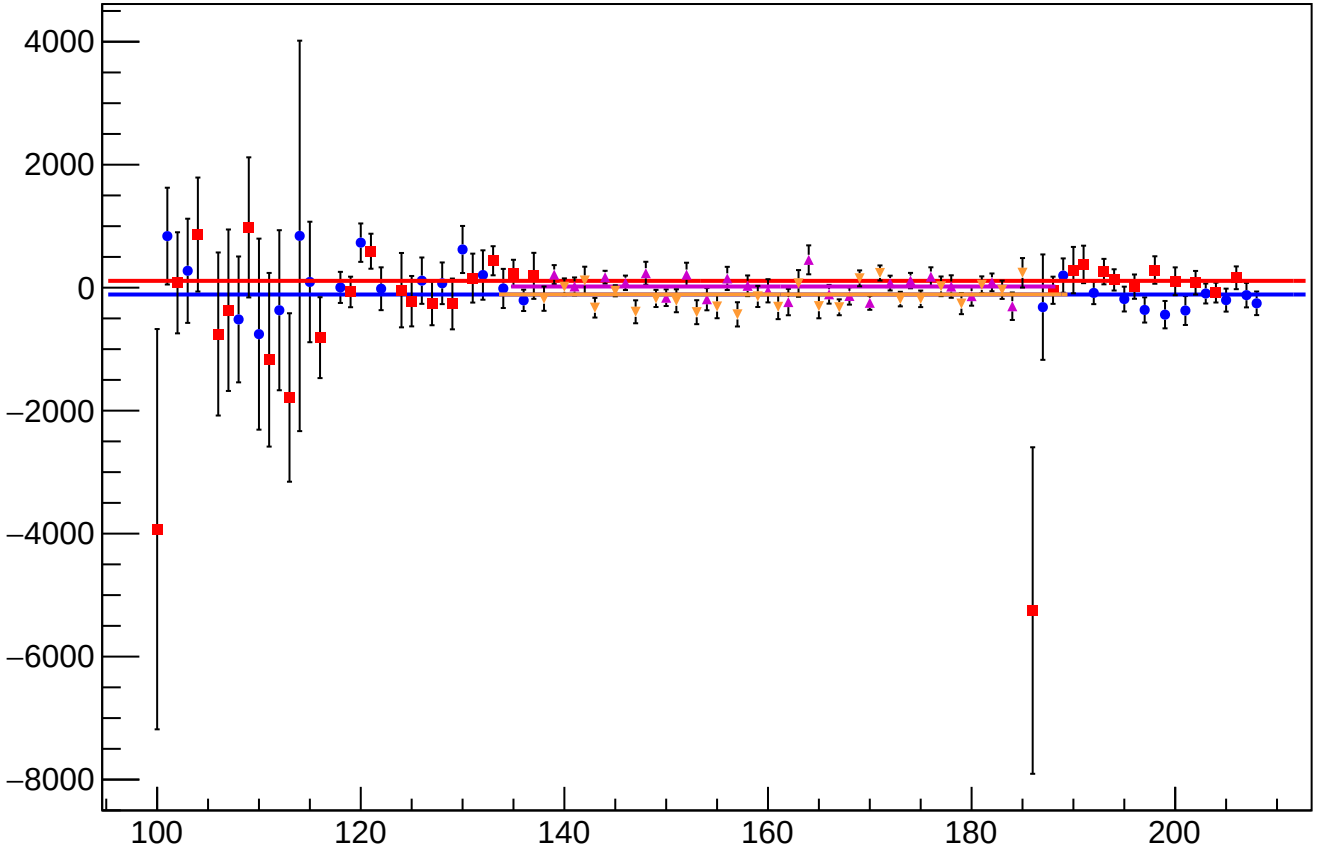
Right: 63.282+/-0.008 χ^2/NDF: 4298008.1/57

In: 47.988+/-0.006 χ^2/NDF:4355932.7/49

Out: 48.120+/-0.006 χ^2/NDF:5935682.9/55

All: 48.055+/-0.004 χ^2/NDF: 10291858.2/105

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -111.246+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 110.822+/-52.205 χ^2/NDF: 24.8/30

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

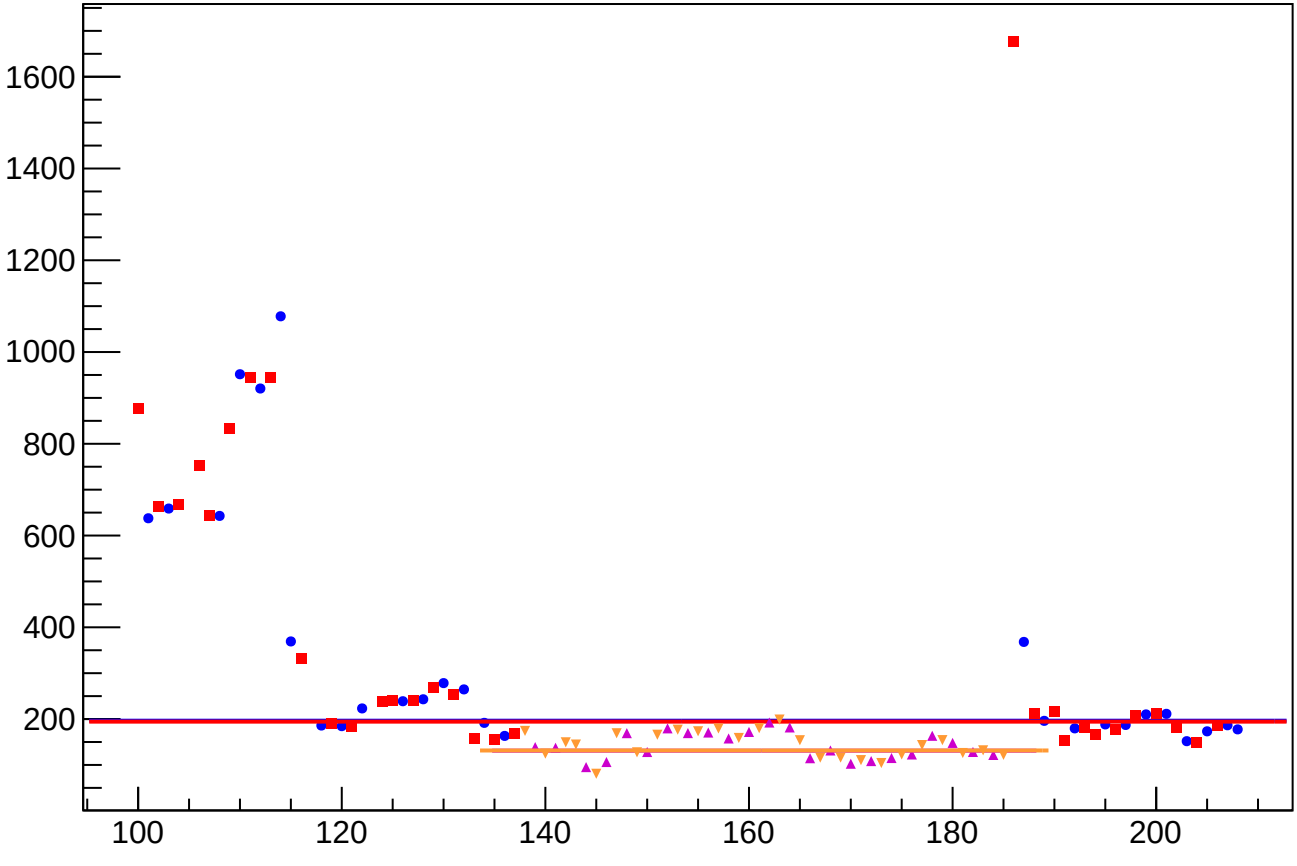
Right: 0.554+/-37.042 χ^2/NDF: 56.0/57

In: -15.495+/-27.005 χ^2/NDF:53.9/49

Out: -52.999+/-26.501 χ^2/NDF:74.3/55

All: -34.600+/-18.915 χ^2/NDF: 129.2/105

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 196.423+/-0.037 χ^2/NDF: 3543706.4/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966700.4/30

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

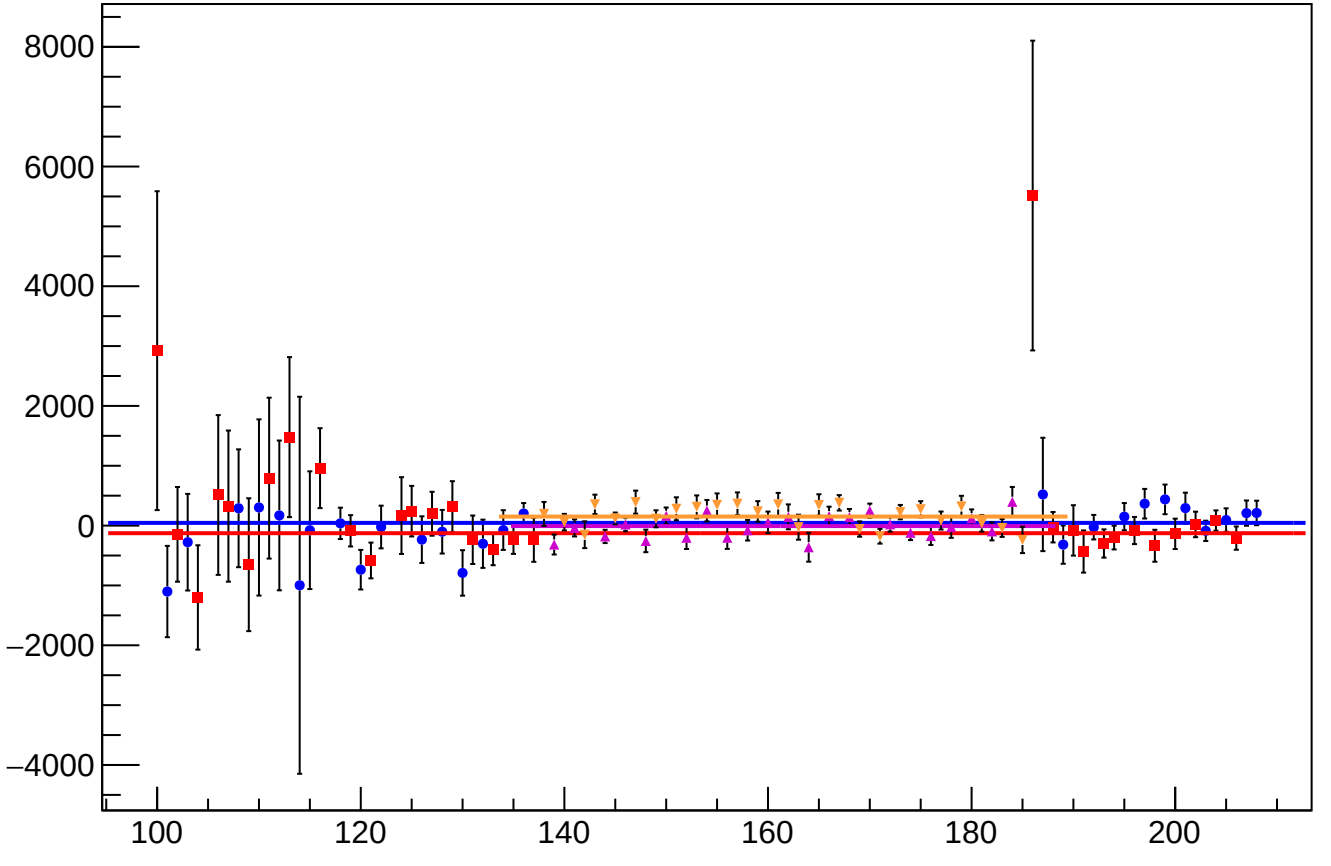
Right: 195.409+/-0.026 χ^2/NDF: 8511884.9/57

In: 148.321+/-0.019 χ^2/NDF:7286671.7/49

Out: 147.722+/-0.019 χ^2/NDF:9024419.8/55

All: 148.016+/-0.013 χ^2/NDF: 16311592.8/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 45.486+/-56.245 χ^2/NDF: 24.4/26

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -126.806+/-57.116 χ^2/NDF: 23.9/30

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

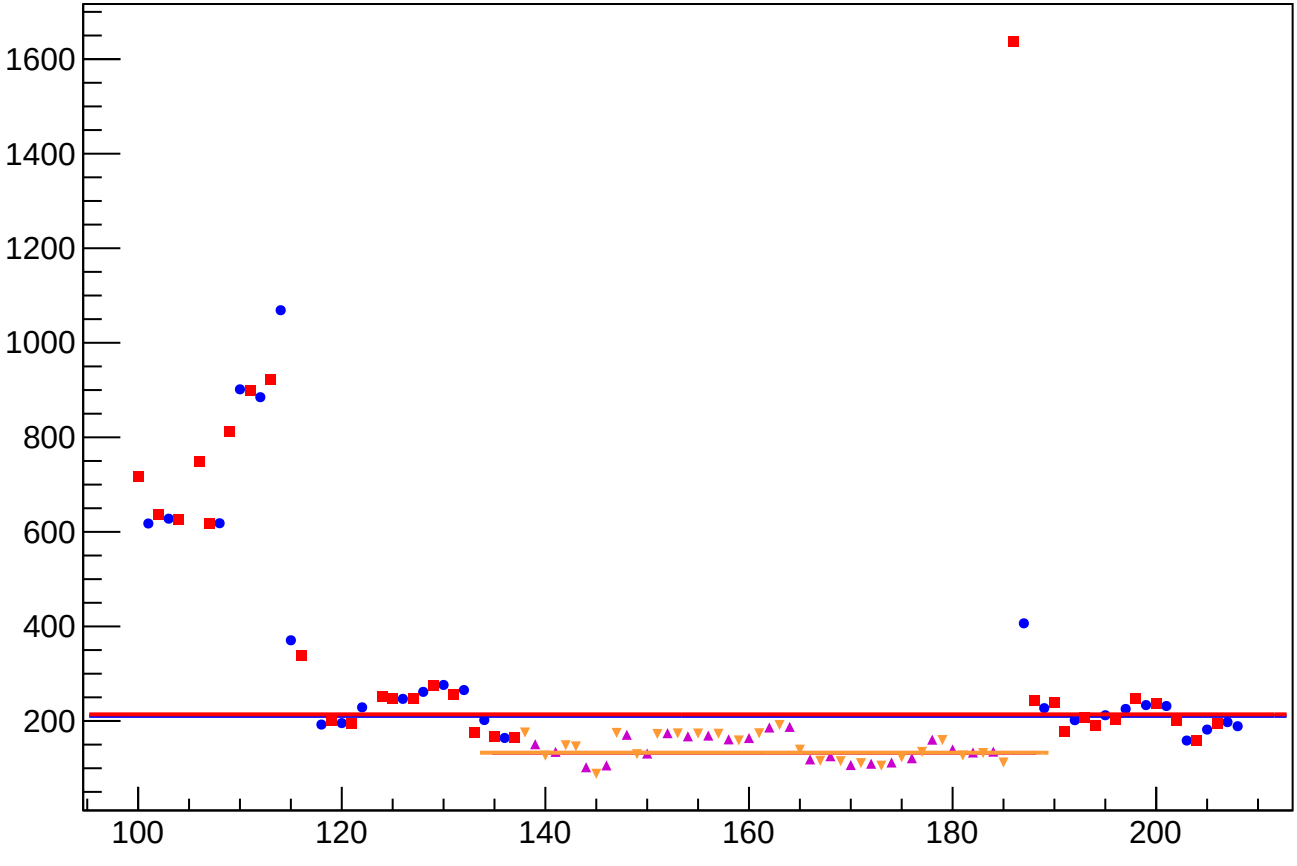
Right: -39.337+/-40.076 χ^2/NDF: 52.9/57

In: 4.890+/-27.564 χ^2/NDF:54.6/49

Out: 88.021+/-27.213 χ^2/NDF:75.2/55

All: 46.988+/-19.365 χ^2/NDF: 134.4/105

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 210.831+/-0.040 χ^2/NDF: 3378031.7/26

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 213.976+/-0.040 χ^2/NDF: 4610441.7/30

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

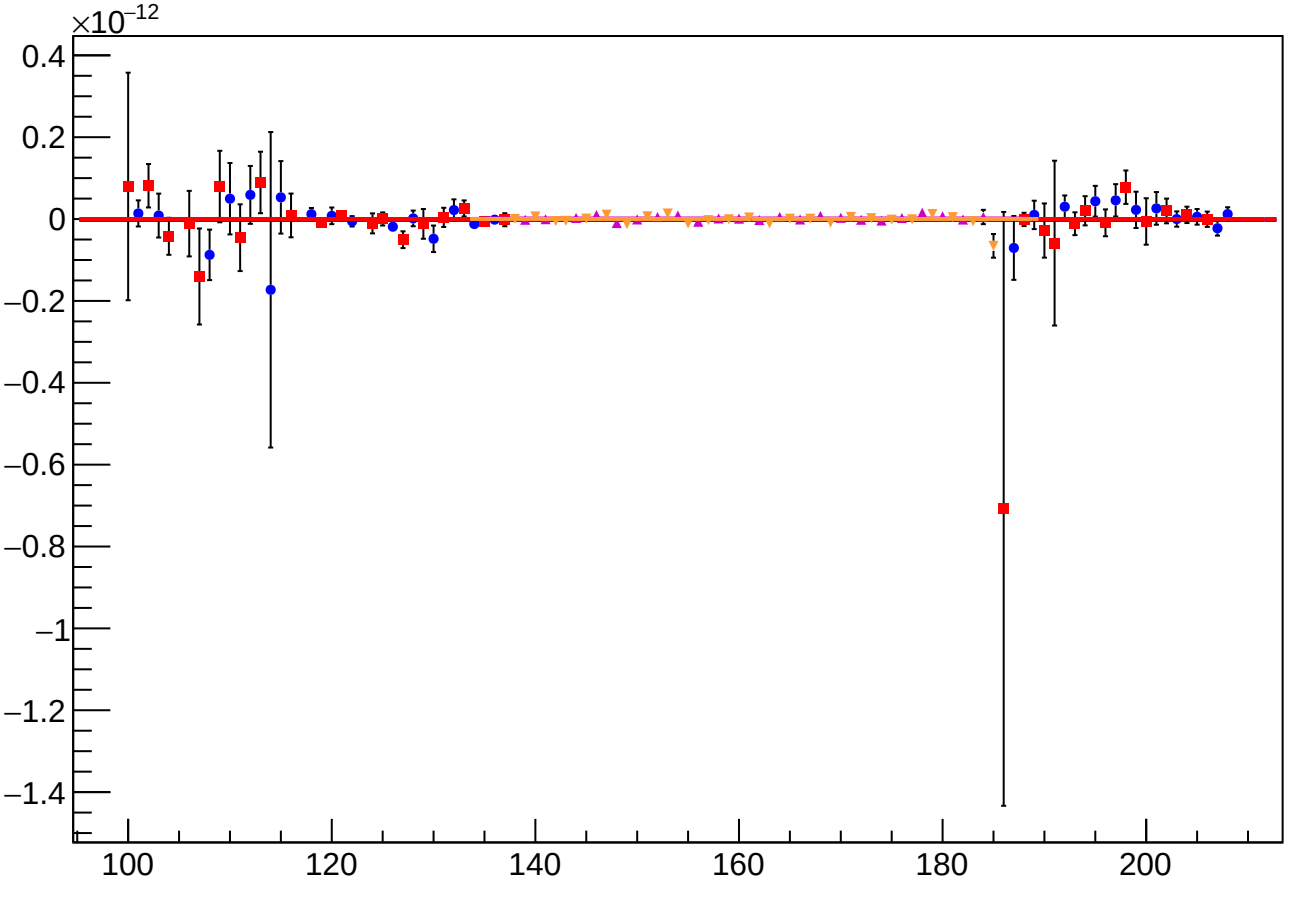
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 212.379+/-0.028 χ^2/NDF: 7991552.1/57

In: 151.192+/-0.019 χ^2/NDF:7615162.1/49

Out: 151.286+/-0.019 χ^2/NDF:9319733.1/55

All: 151.239+/-0.014 χ^2/NDF: 16934907.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/30

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

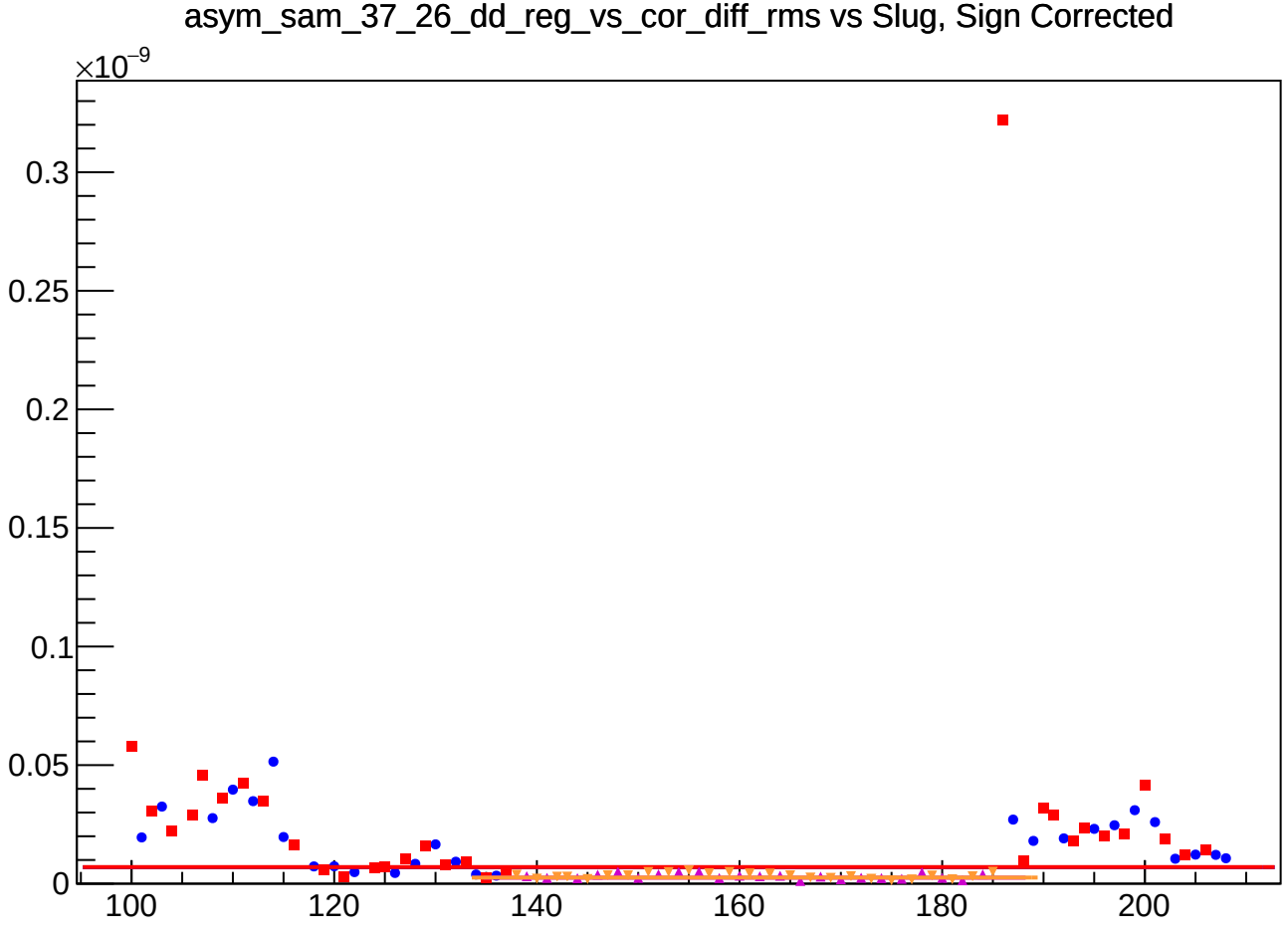
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 44.3/57

In: 0.000+/-0.000 χ^2/NDF:35.7/49

Out: 0.000+/-0.000 χ^2/NDF:56.4/55

All: 0.000+/-0.000 χ^2/NDF: 92.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 6130986.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235371.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

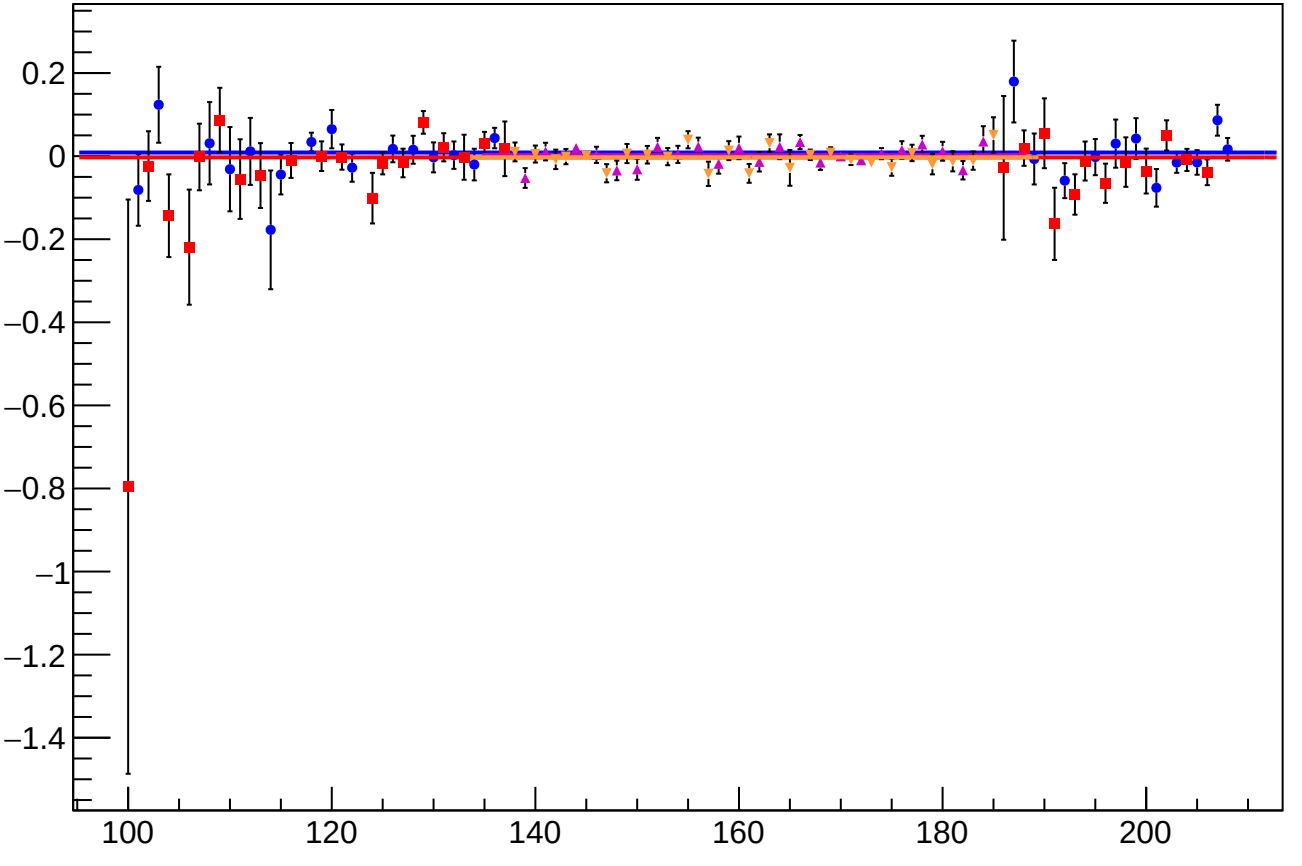
Right: 0.000+/-0.000 χ^2/NDF: 13367019.7/57

In: 0.000+/-0.000 χ^2/NDF:10849534.9/49

Out: 0.000+/-0.000 χ^2/NDF:12241333.8/55

All: 0.000+/-0.000 χ^2/NDF: 23091239.3/105

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

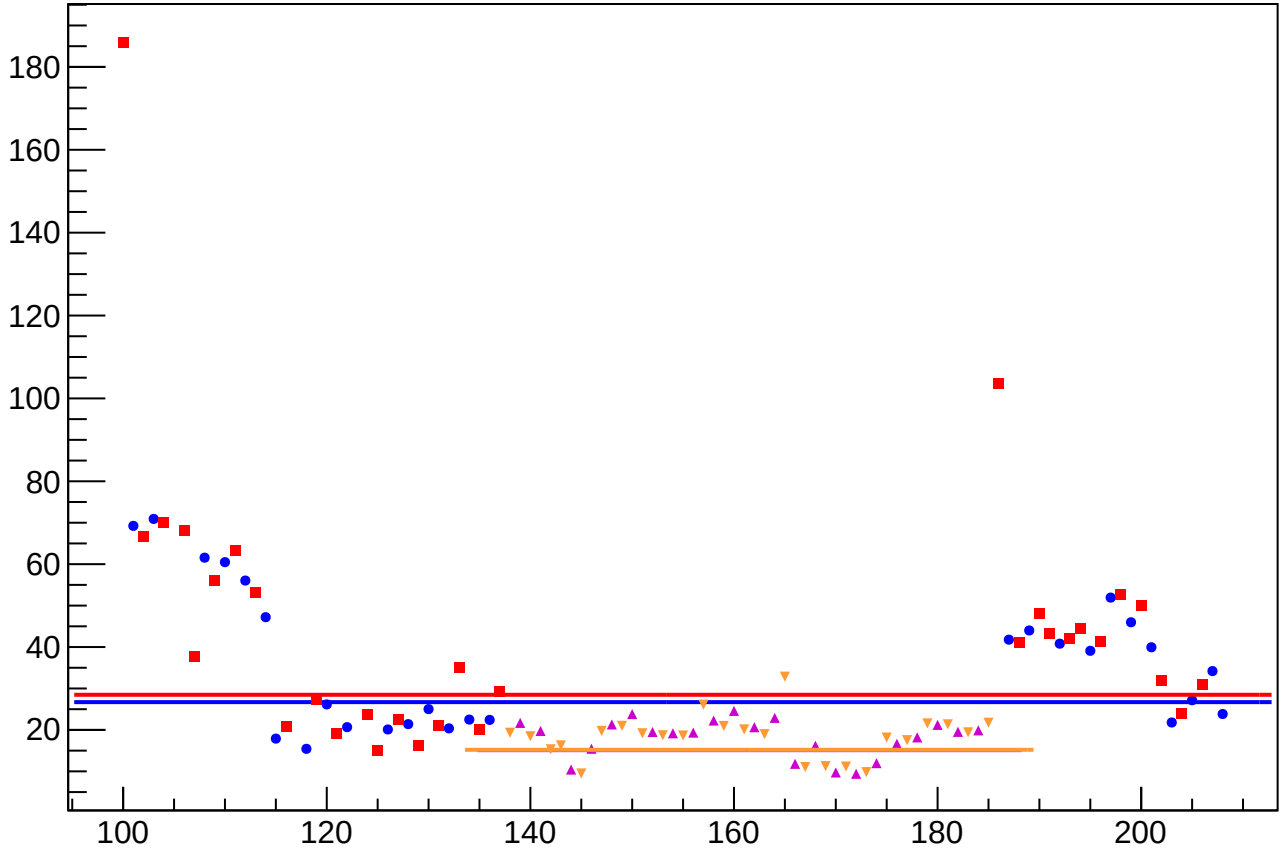
Right: 0.003+/-0.005 χ^2/NDF: 65.1/57

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.9/105

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

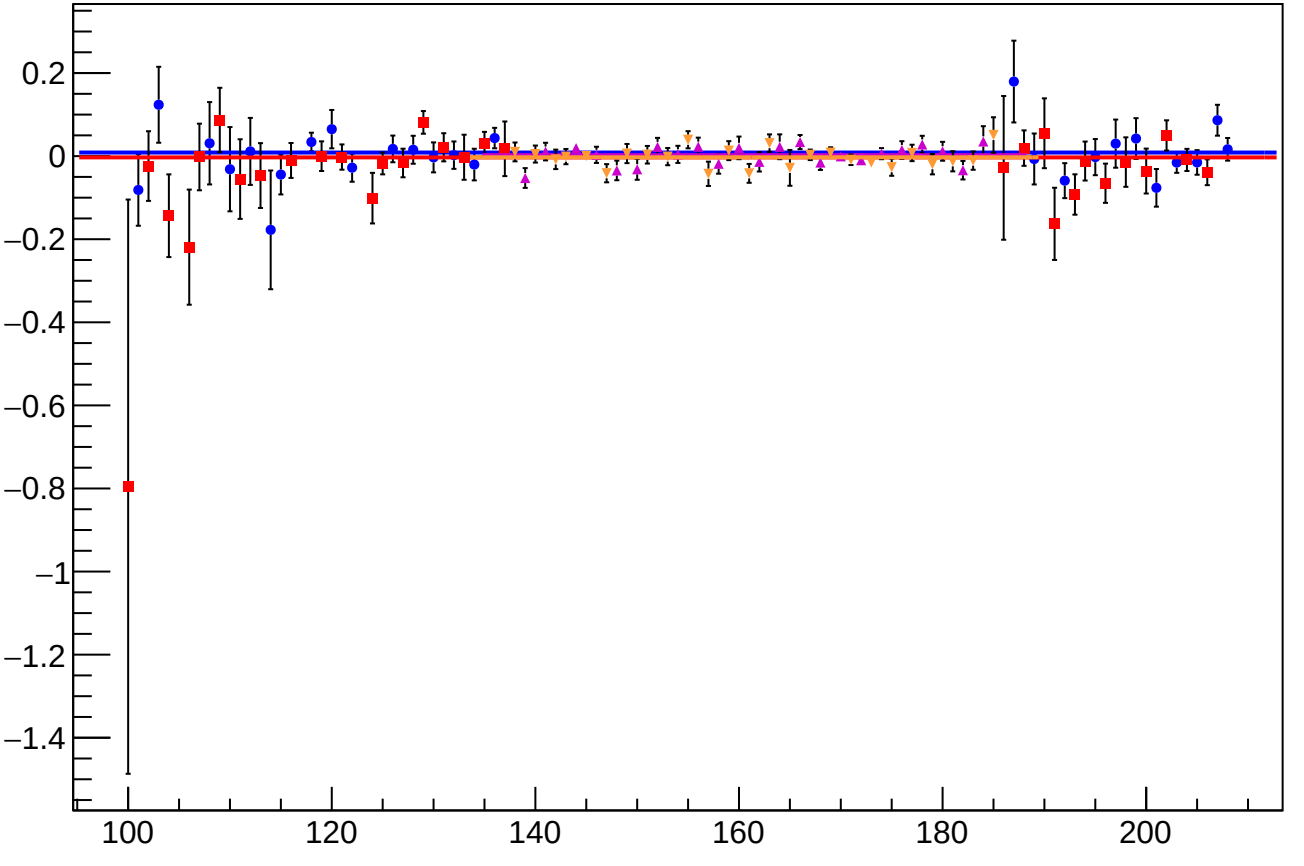
Right: 27.539+/-0.004 χ^2/NDF: 9669135.6/57

In: 17.512+/-0.002 χ^2/NDF:11497558.7/49

Out: 17.576+/-0.002 χ^2/NDF:13350668.9/55

All: 17.545+/-0.002 χ^2/NDF: 24848584.8/105

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

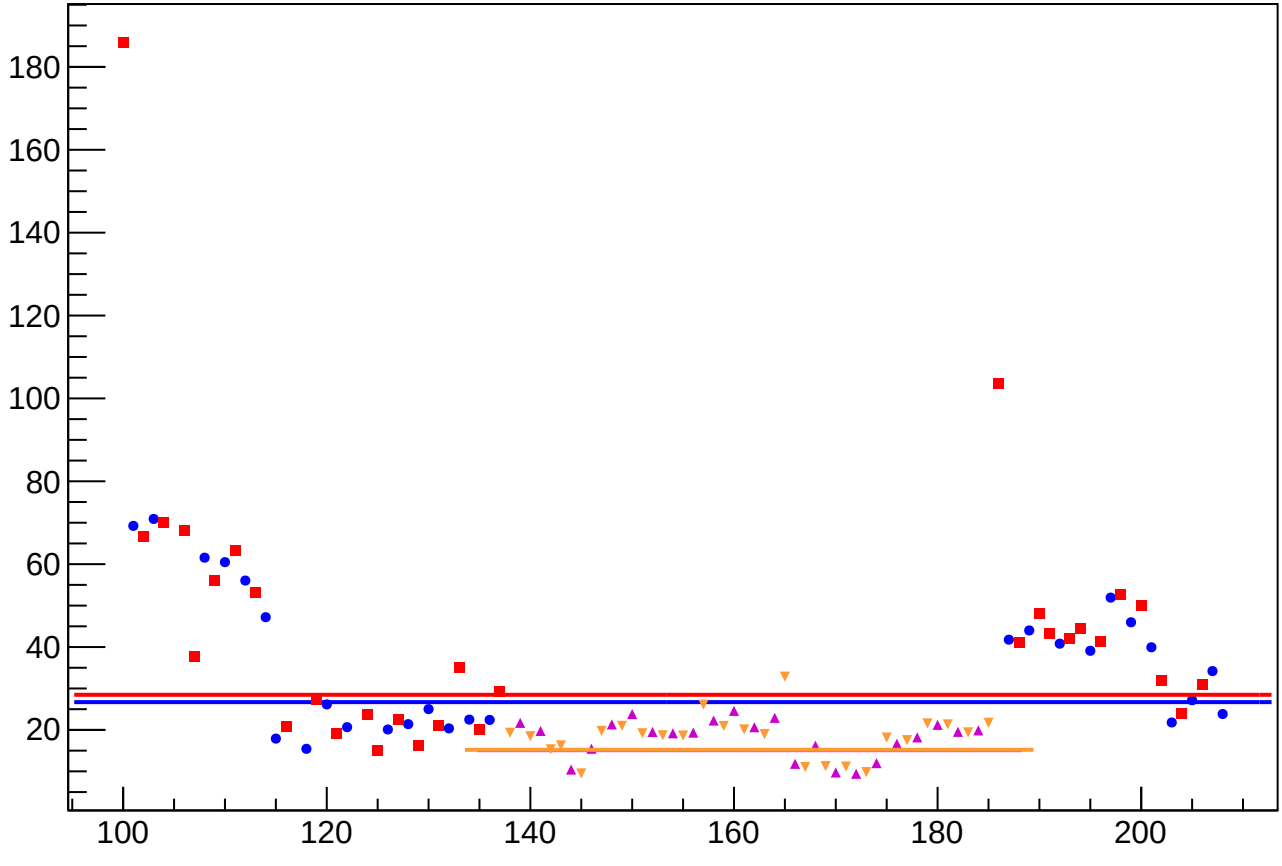
Right: 0.003+/-0.005 χ^2/NDF: 65.1/57

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.9/105

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

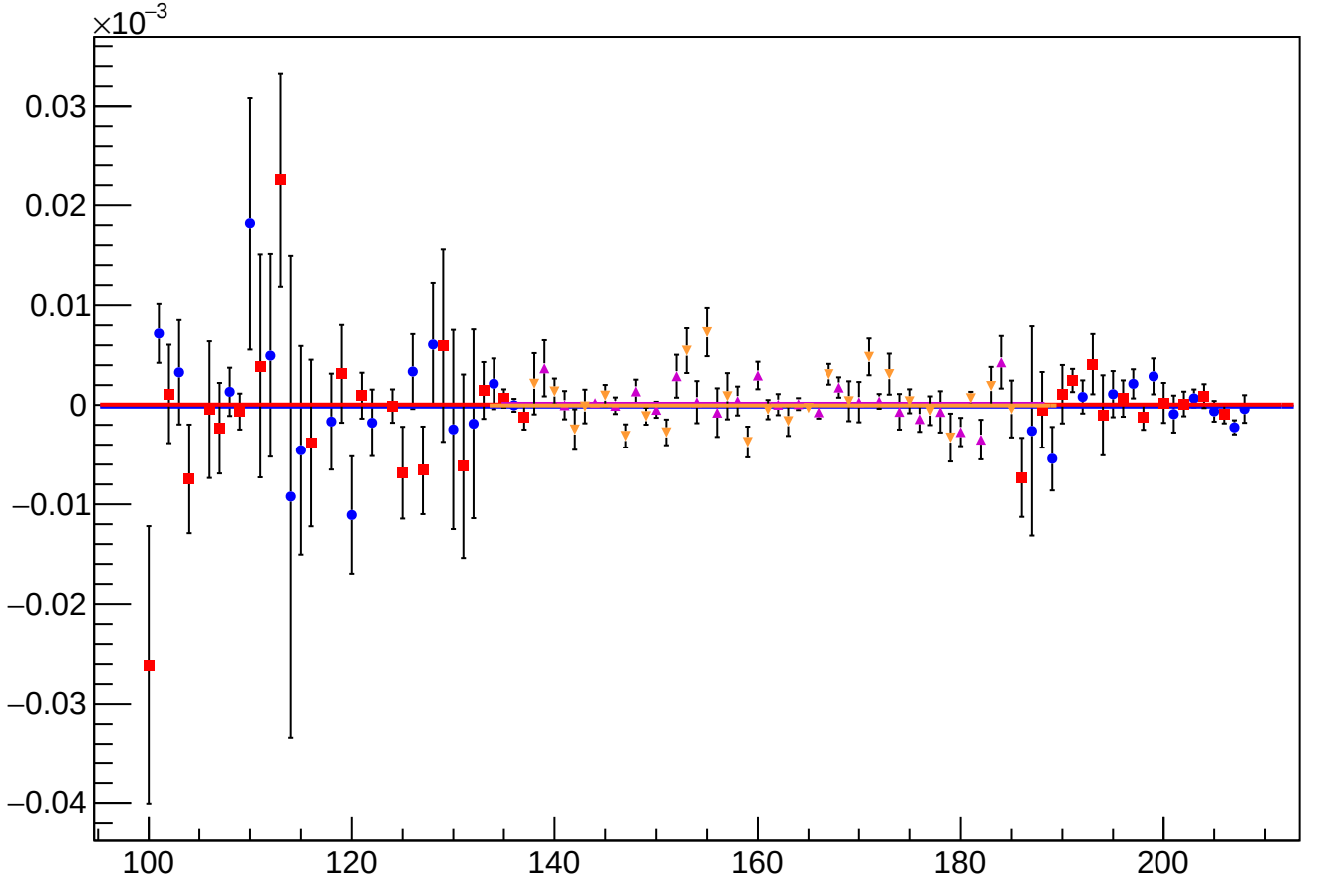
Right: 27.539+/-0.004 χ^2/NDF: 9669135.6/57

In: 17.512+/-0.002 χ^2/NDF:11497558.7/49

Out: 17.576+/-0.002 χ^2/NDF:13350668.9/55

All: 17.545+/-0.002 χ^2/NDF: 24848584.8/105

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/30

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

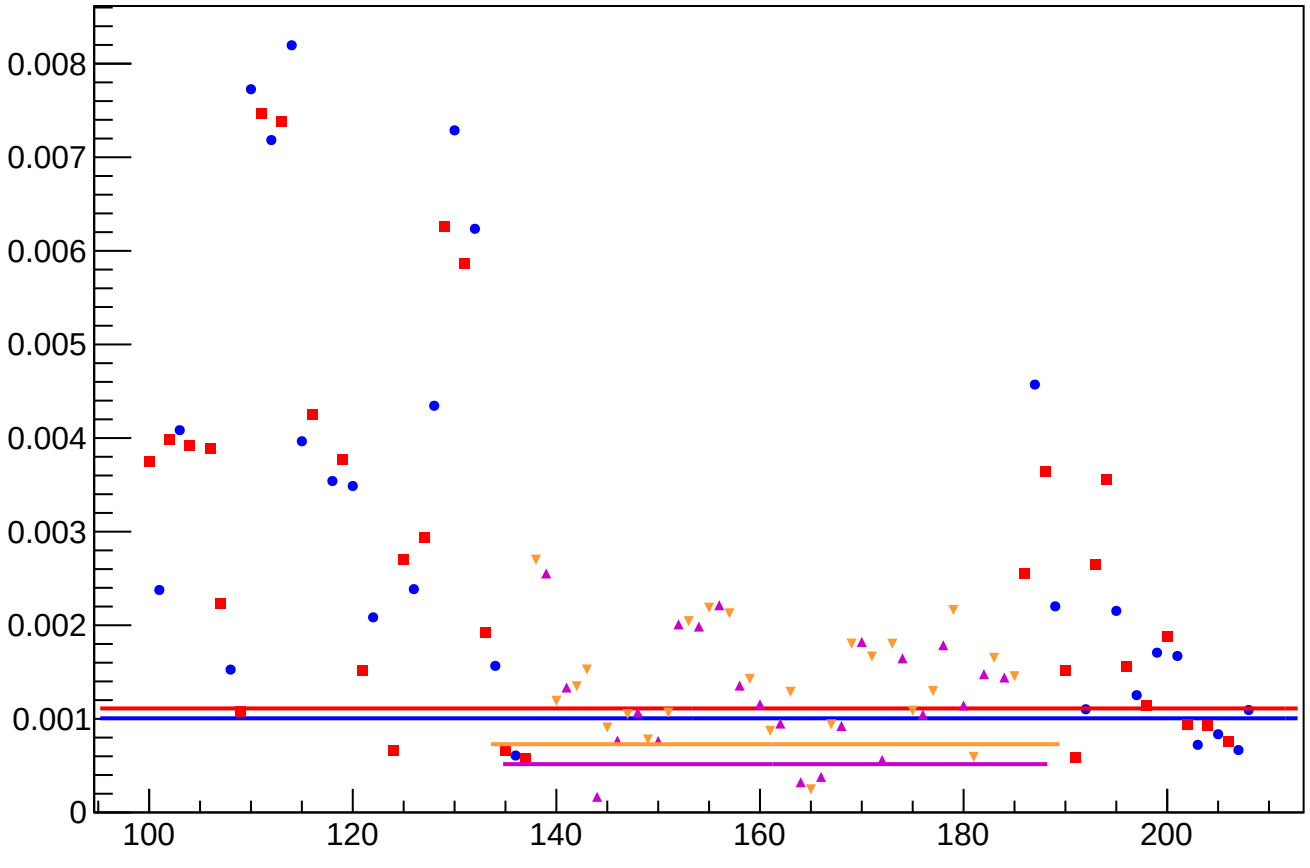
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.4/57

In: 0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:93.3/55

All: 0.000+/-0.000 χ^2/NDF: 154.3/105



Right In: 0.001+/-0.000 χ^2/NDF: 9407573.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10399281.3/30

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

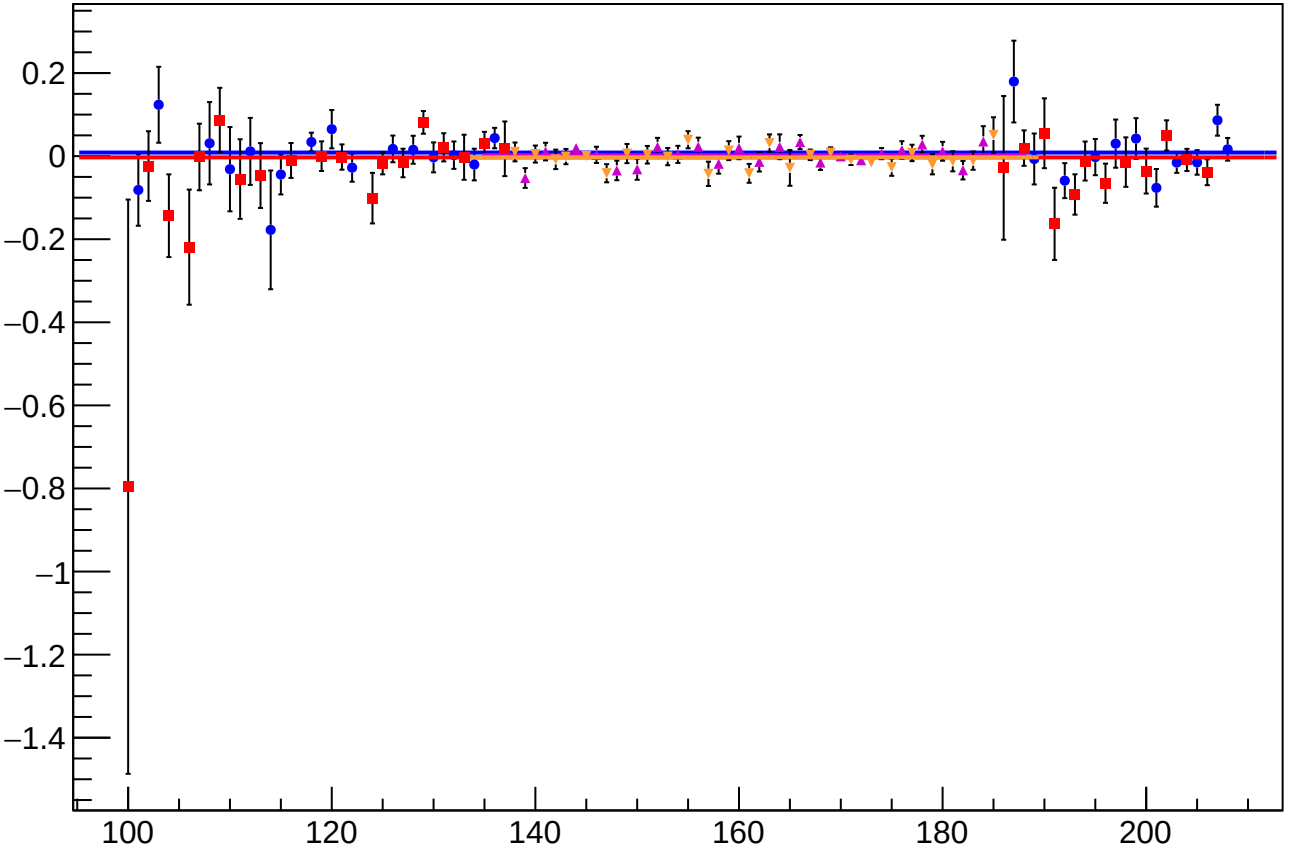
Right: 0.001+/-0.000 χ^2/NDF: 19902864.4/57

In: 0.001+/-0.000 χ^2/NDF:27974315.2/49

Out: 0.001+/-0.000 χ^2/NDF:25233178.0/55

All: 0.001+/-0.000 χ^2/NDF: 54622226.5/105

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

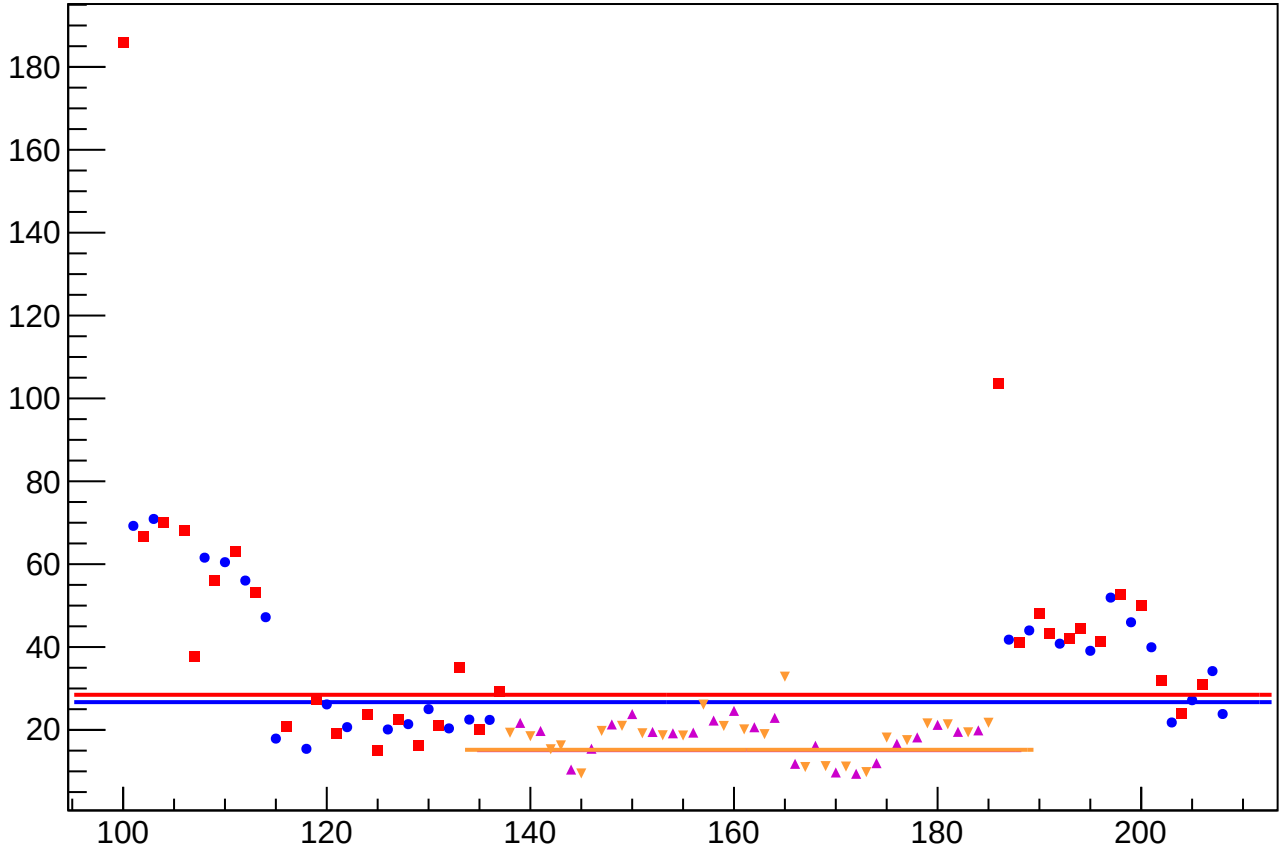
Right: 0.003+/-0.005 χ^2/NDF: 65.1/57

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.9/105

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

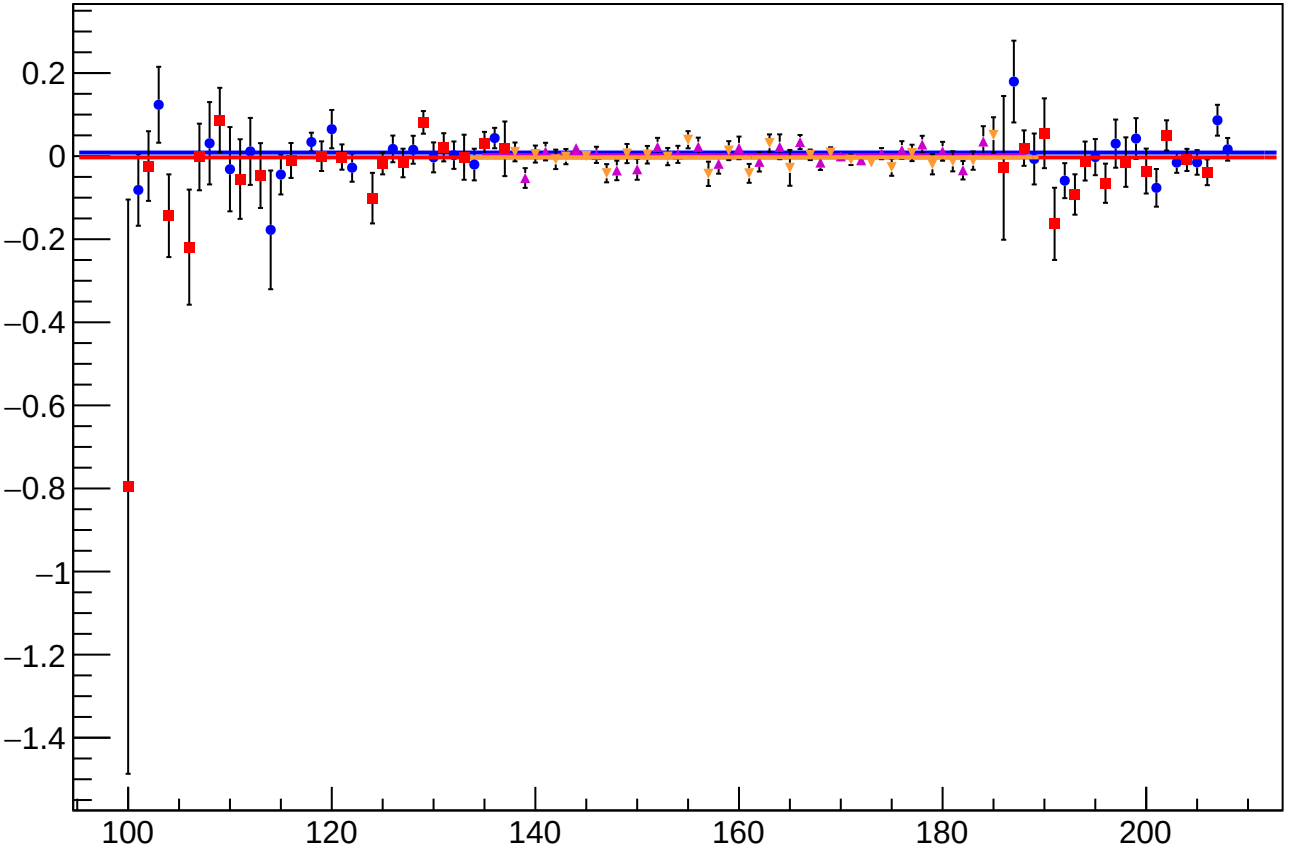
Right: 27.539+/-0.004 χ^2/NDF: 9669674.8/57

In: 17.512+/-0.002 χ^2/NDF:11497450.5/49

Out: 17.576+/-0.002 χ^2/NDF:13350791.9/55

All: 17.545+/-0.002 χ^2/NDF: 24848599.7/105

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

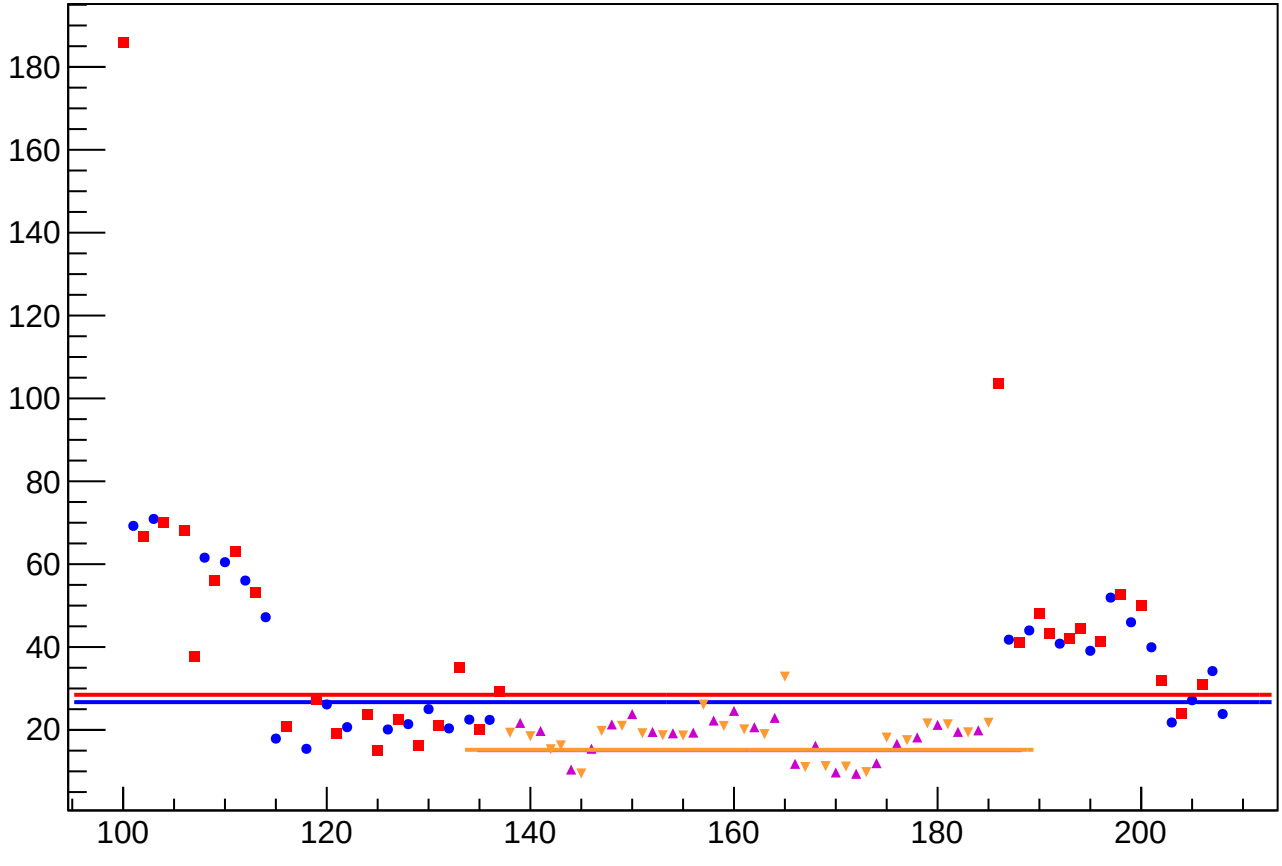
Right: 0.003+/-0.005 χ^2/NDF: 65.1/57

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.9/105

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

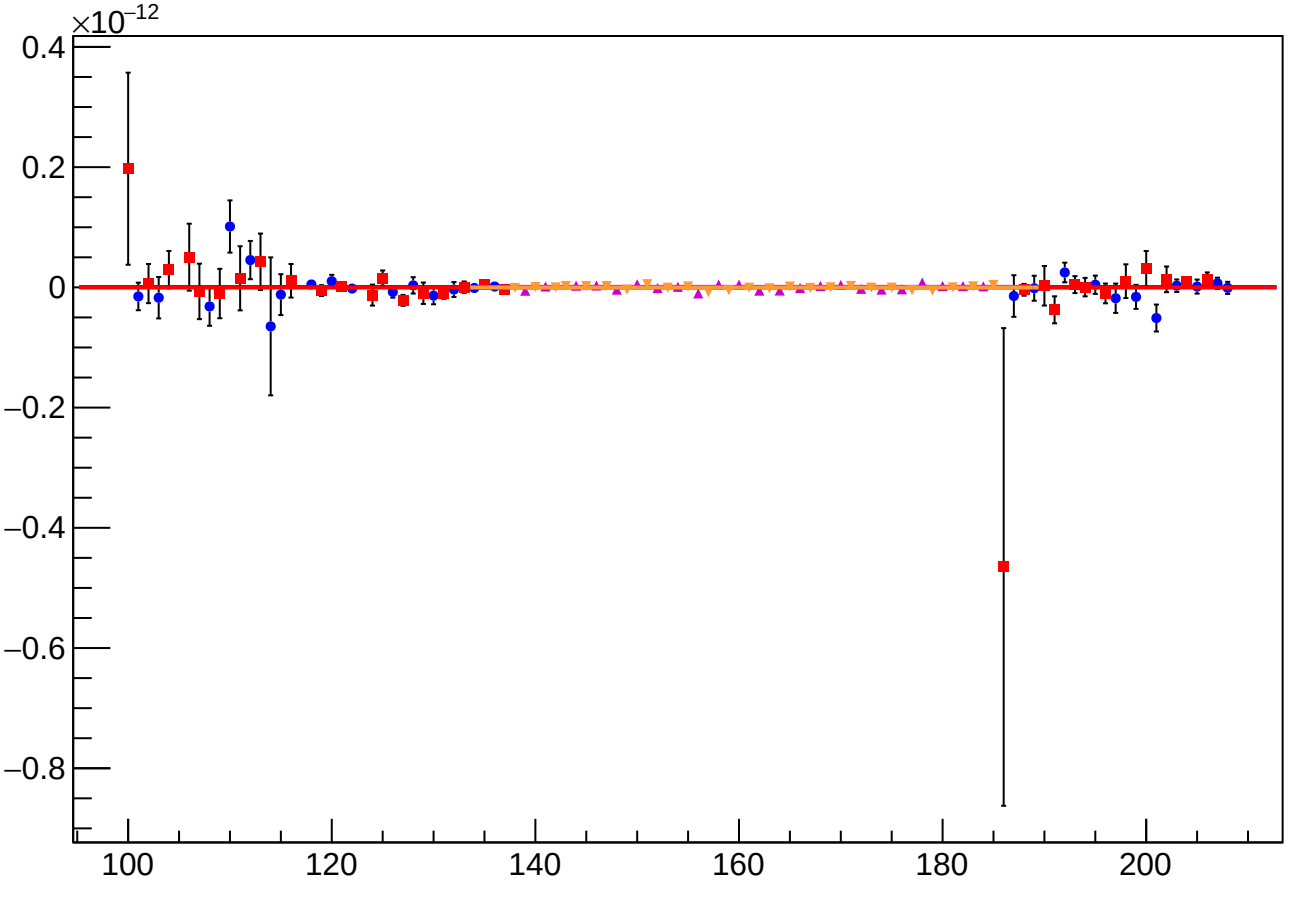
Right: 27.539+/-0.004 χ^2/NDF: 9669674.8/57

In: 17.512+/-0.002 χ^2/NDF:11497450.5/49

Out: 17.576+/-0.002 χ^2/NDF:13350791.9/55

All: 17.545+/-0.002 χ^2/NDF: 24848599.7/105

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

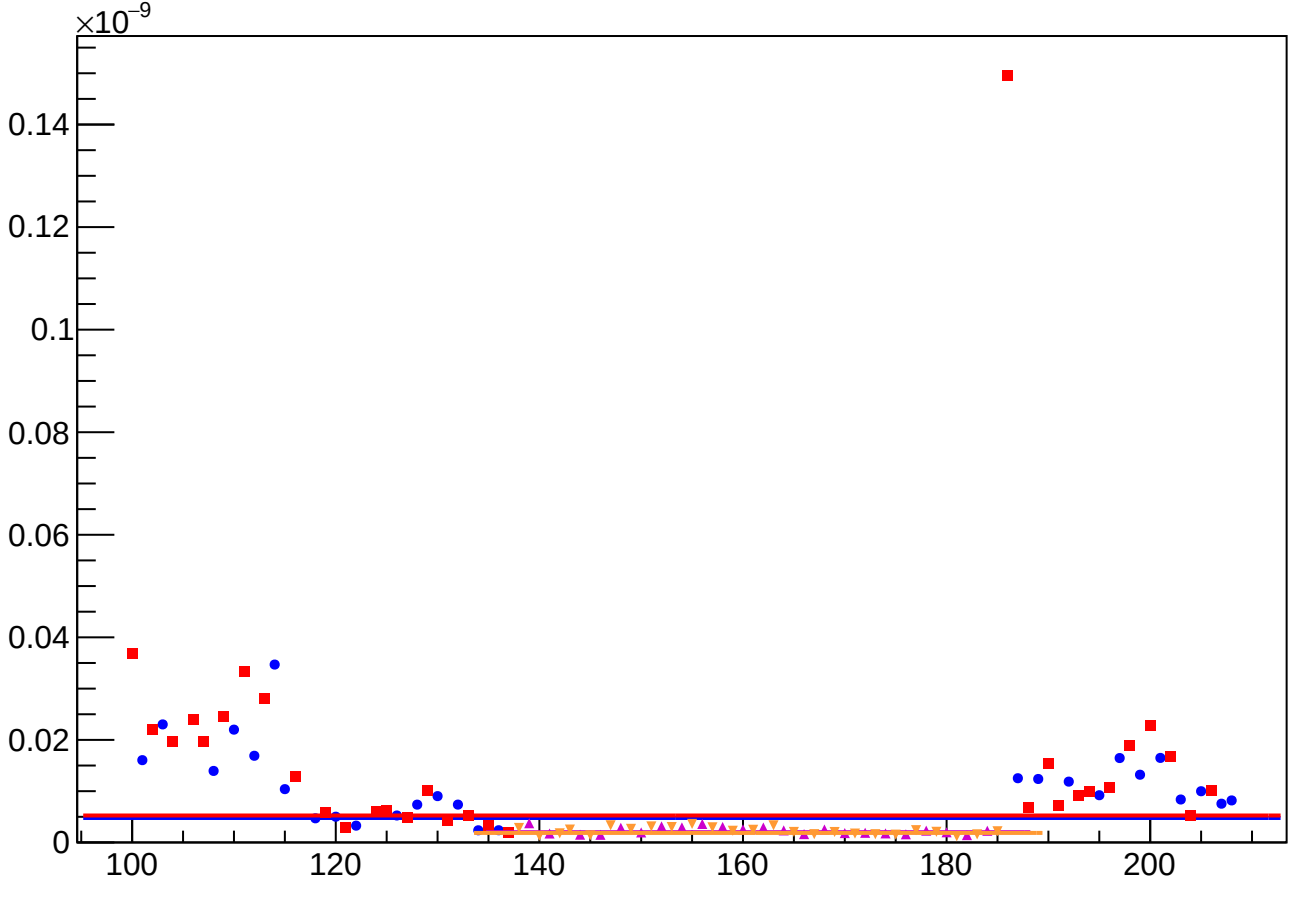
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: 0.000+/-0.000 χ^2/NDF: 48.3/57

In: 0.000+/-0.000 χ^2/NDF:62.0/49

Out: -0.000+/-0.000 χ^2/NDF:47.3/55

All: 0.000+/-0.000 χ^2/NDF: 111.1/105



Right In: 0.000+/-0.000 χ^2/NDF: 7520341.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8126162.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

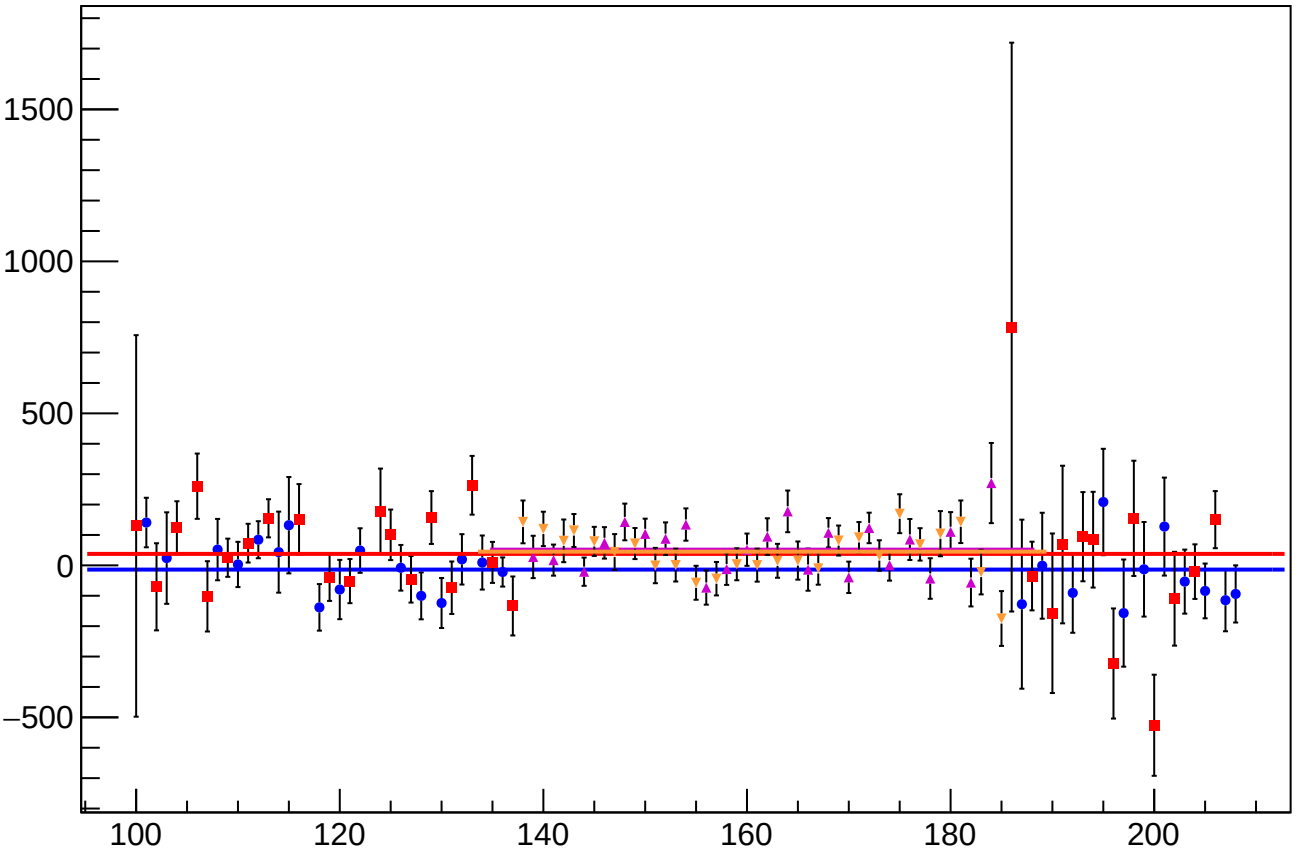
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15707597.0/57

In: 0.000+/-0.000 χ^2/NDF:13548091.0/49

Out: 0.000+/-0.000 χ^2/NDF:15904013.9/55

All: 0.000+/-0.000 χ^2/NDF: 29560850.7/105



Right In: -13.922+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 37.686+/-17.770 χ^2/NDF: 50.2/30

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

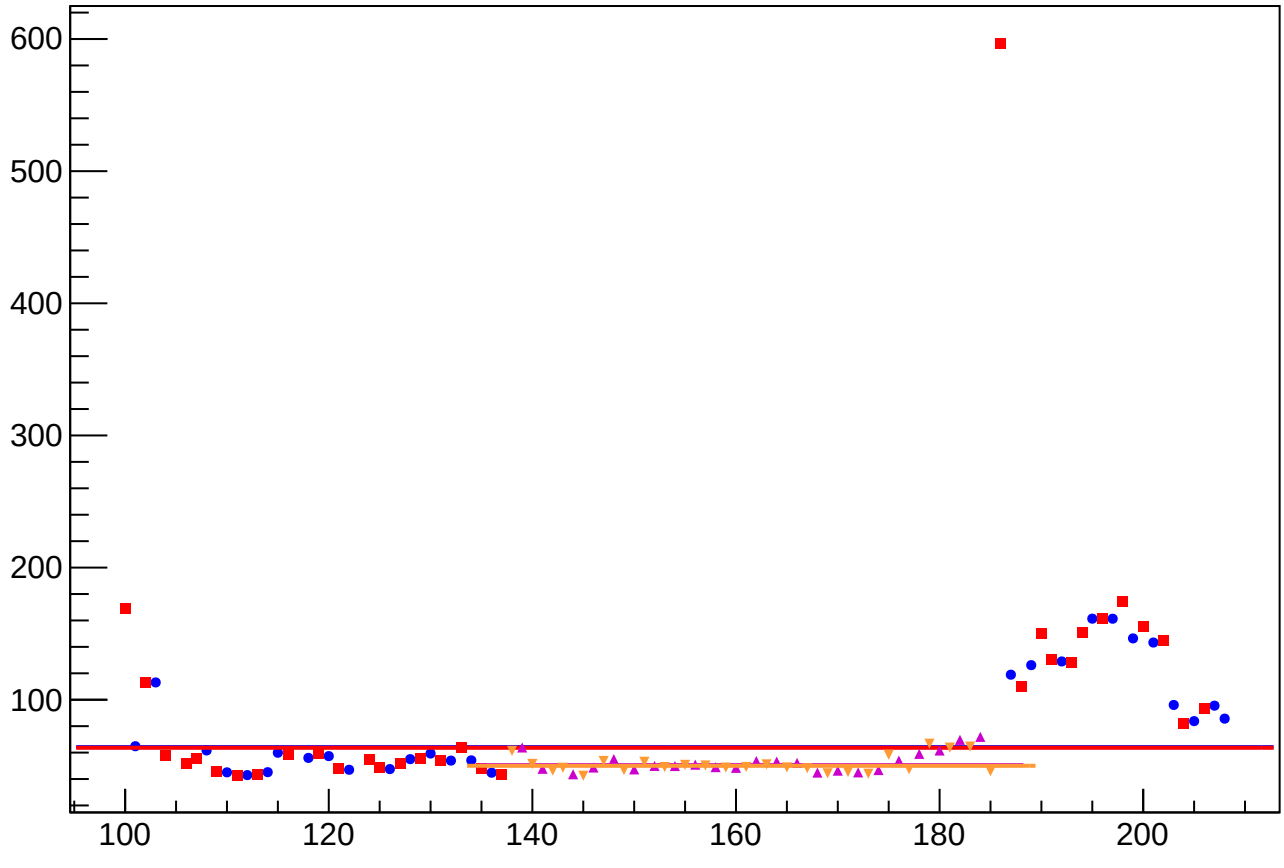
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 11.861+/-12.560 χ^2/NDF: 75.3/57

In: 31.234+/-9.902 χ^2/NDF:66.1/49

Out: 42.908+/-9.651 χ^2/NDF:81.7/55

All: 37.220+/-6.911 χ^2/NDF: 148.5/105



Right In: 64.129+/-0.013 χ^2/NDF: 4944315.2/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.667+/-0.013 χ^2/NDF: 6445646.7/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

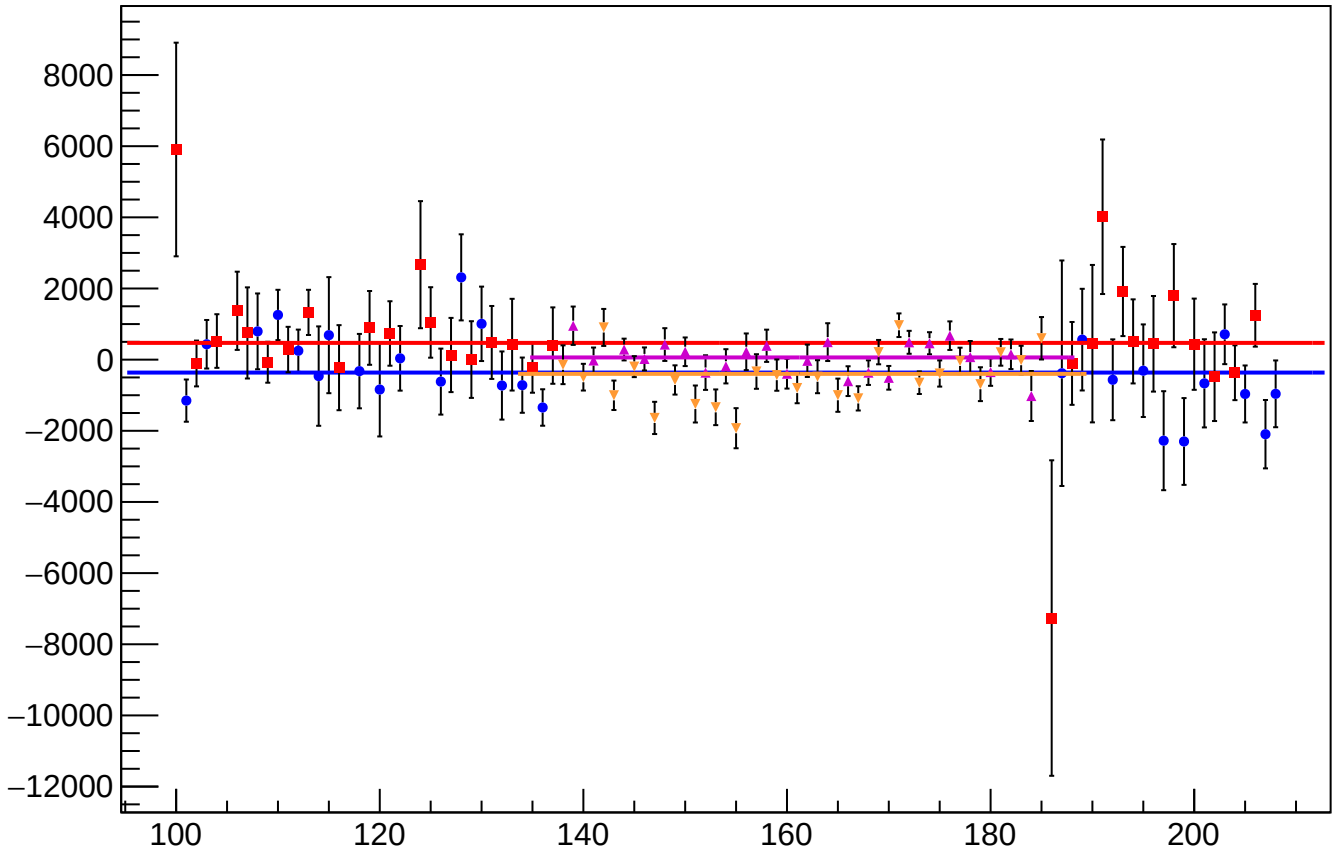
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 63.898+/-0.009 χ^2/NDF: 11390639.7/57

In: 54.747+/-0.007 χ^2/NDF:6258290.7/49

Out: 54.047+/-0.007 χ^2/NDF:7786263.4/55

All: 54.388+/-0.005 χ^2/NDF: 14049687.0/105



Right In: -363.337+/-175.145 χ^2/NDF: 32.9/26

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 471.057+/-177.168 χ^2/NDF: 22.0/30

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

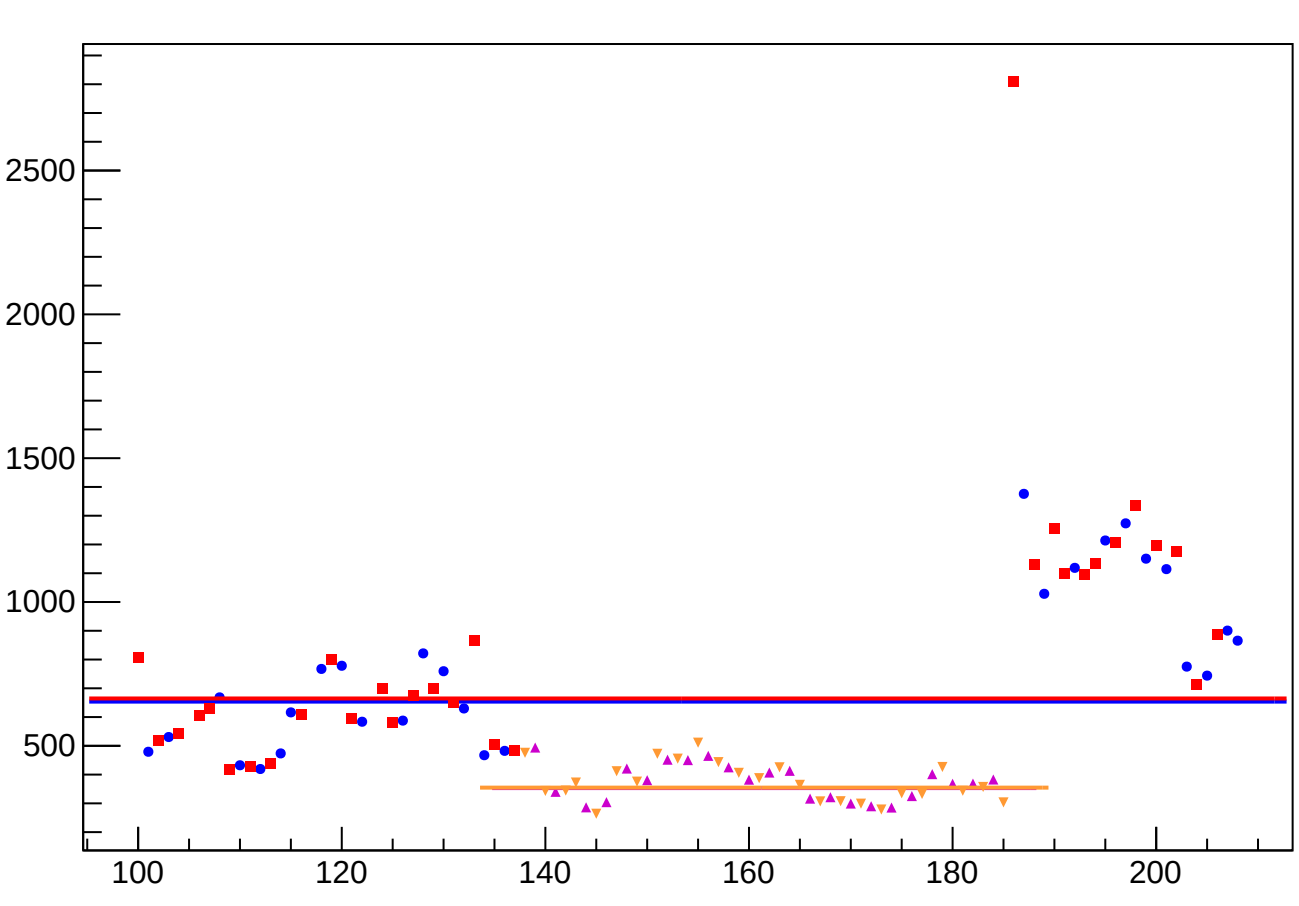
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 49.069+/-124.555 χ^2/NDF: 66.1/57

In: -17.343+/-75.661 χ^2/NDF:61.6/49

Out: -245.603+/-74.463 χ^2/NDF:107.3/55

All: -133.294+/-53.072 χ^2/NDF: 173.5/105



Right In: 653.752+/-0.124 χ^2/NDF: 3494782.7/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 664.632+/-0.125 χ^2/NDF: 4483738.6/30

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

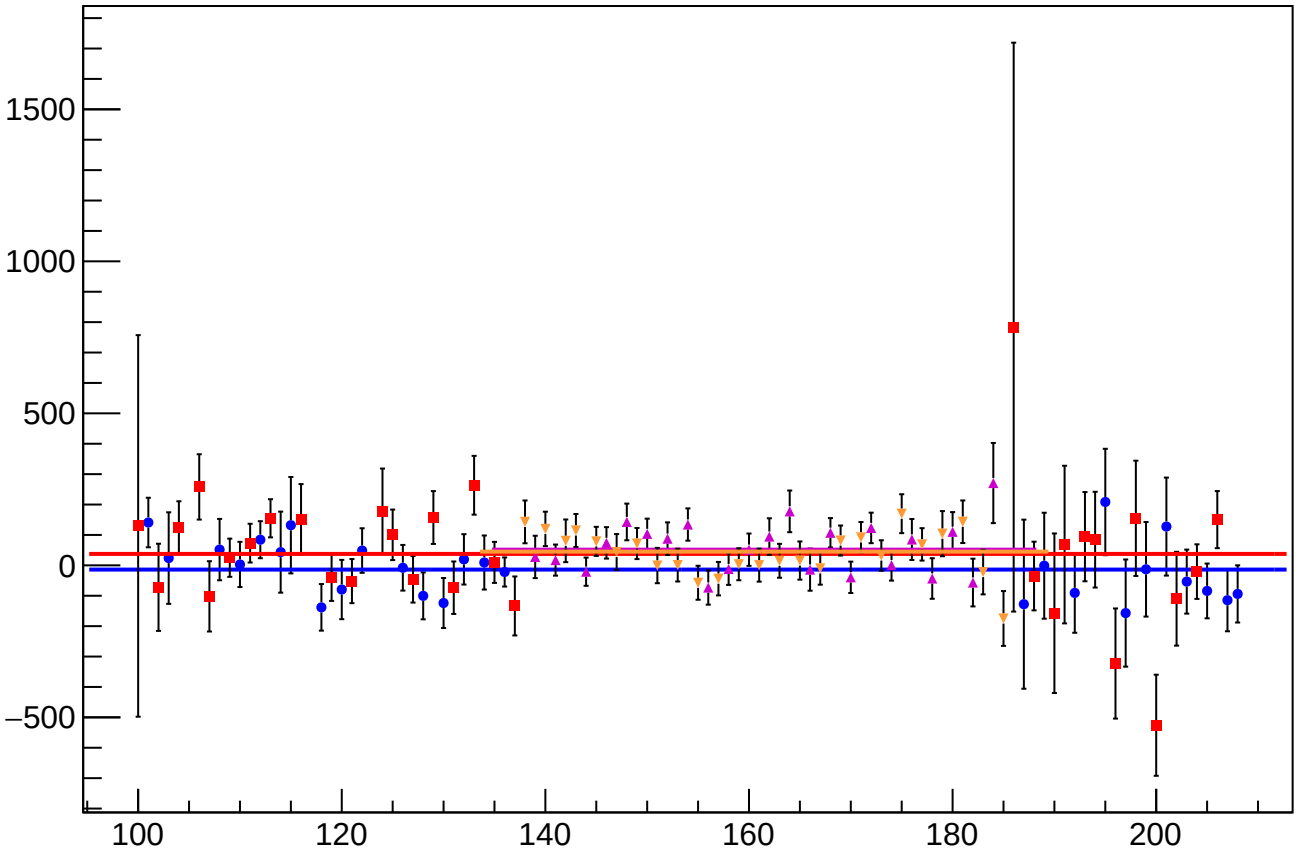
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 659.130+/-0.088 χ^2/NDF: 7982335.8/57

In: 409.214+/-0.054 χ^2/NDF:9292170.3/49

Out: 409.425+/-0.053 χ^2/NDF:10669558.6/55

All: 409.321+/-0.038 χ^2/NDF: 19961736.8/10



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 37.591+/-17.770 χ^2/NDF: 50.1/30

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

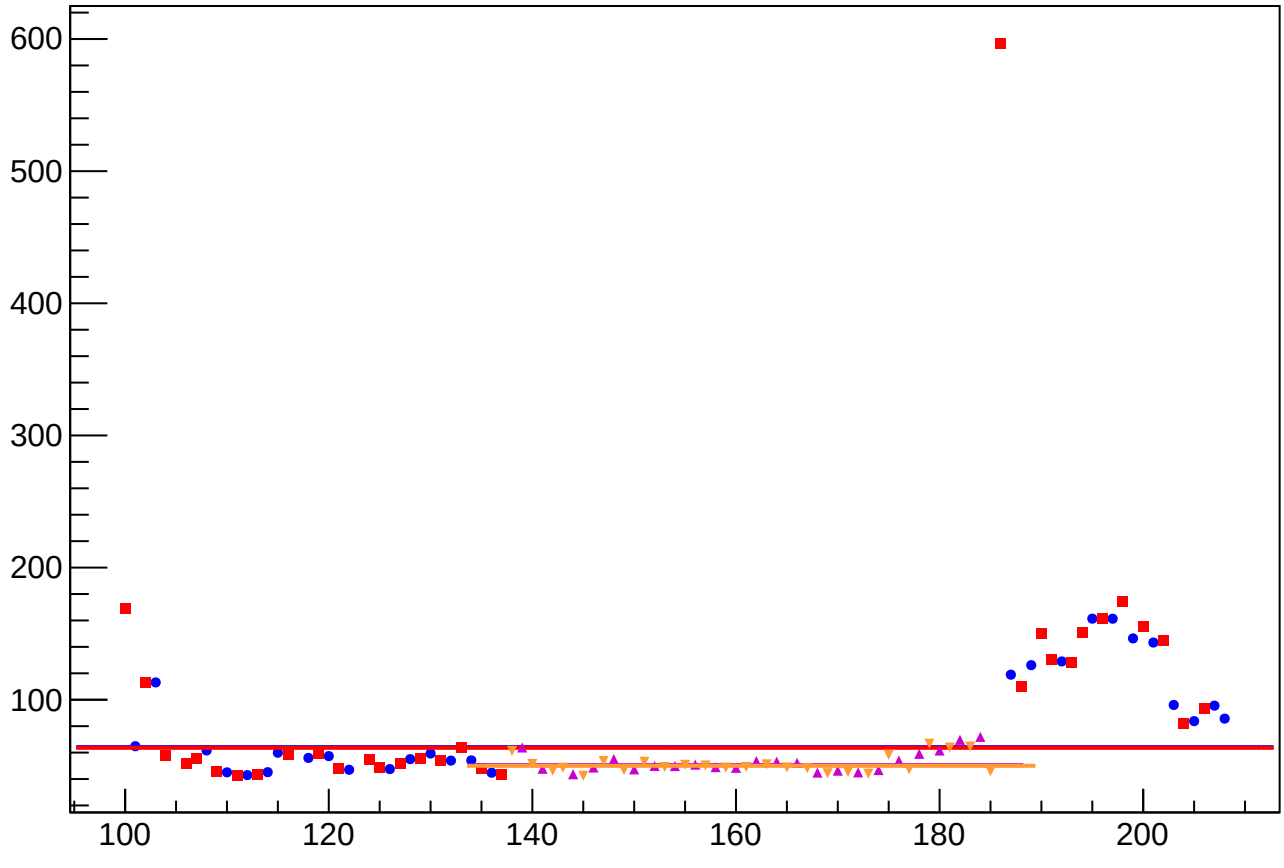
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 11.811+/-12.560 χ^2/NDF: 75.2/57

In: 31.232+/-9.902 χ^2/NDF:66.1/49

Out: 42.882+/-9.651 χ^2/NDF:81.6/55

All: 37.206+/-6.911 χ^2/NDF: 148.4/105



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

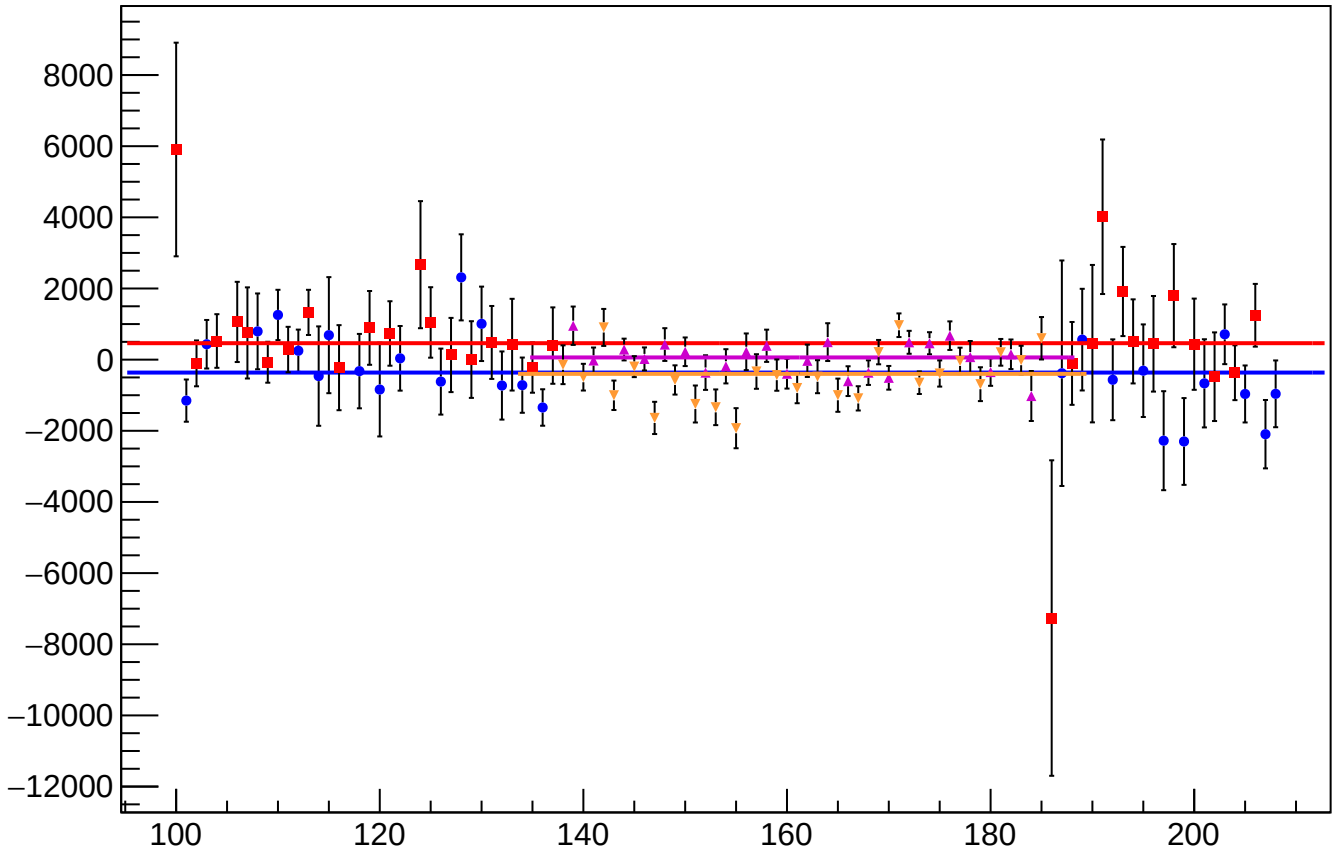
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 63.894+/-0.009 χ^2/NDF: 11392143.1/57

In: 54.747+/-0.007 χ^2/NDF:6258293.0/49

Out: 54.044+/-0.007 χ^2/NDF:7786749.2/55

All: 54.387+/-0.005 χ^2/NDF: 14050211.3/105



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

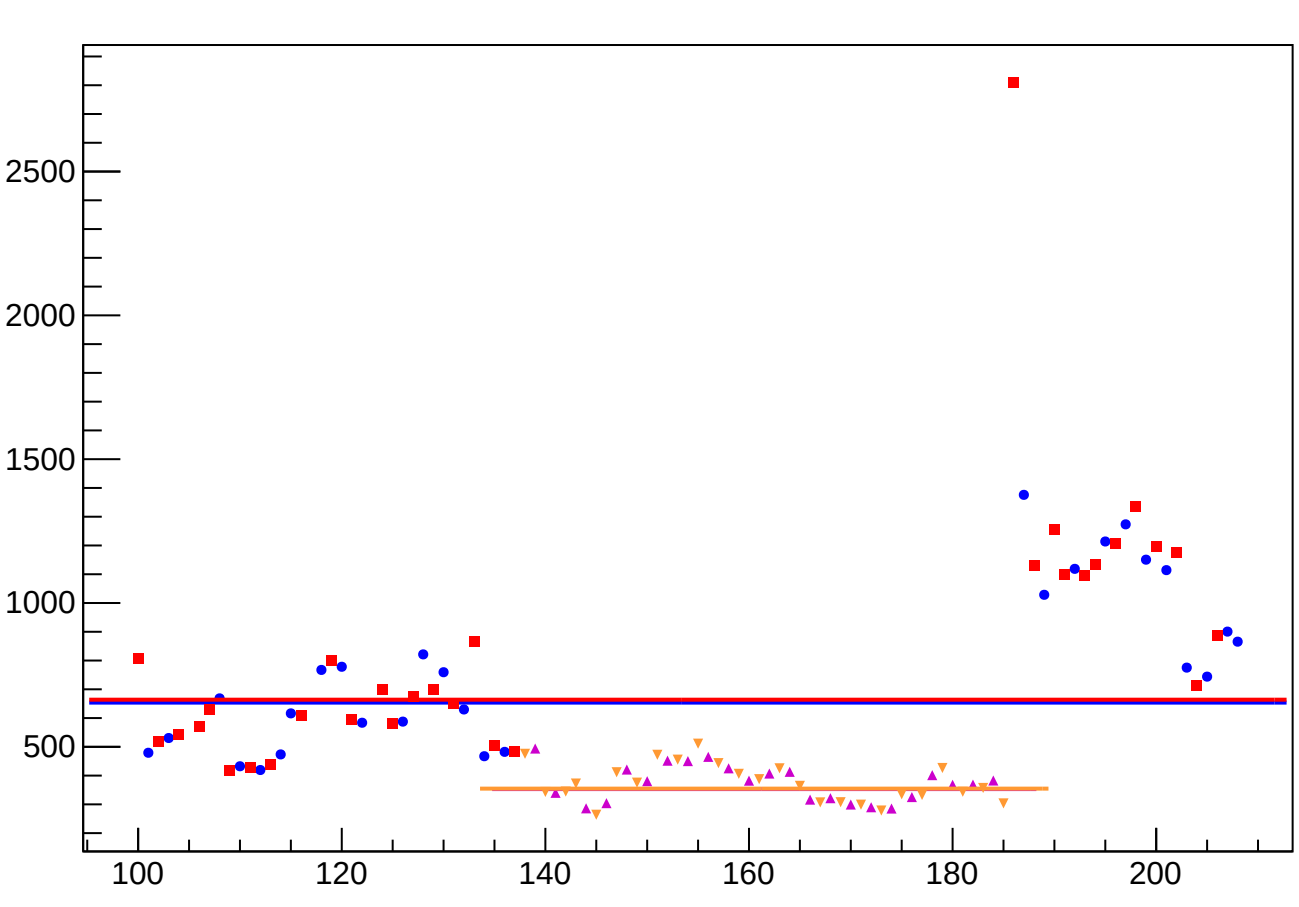
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 44.559+/-124.600 χ^2/NDF: 65.4/57

In: -17.340+/-75.661 χ^2/NDF:61.6/49

Out: -247.288+/-74.473 χ^2/NDF:106.4/55

All: -134.134+/-53.075 χ^2/NDF: 172.7/105



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

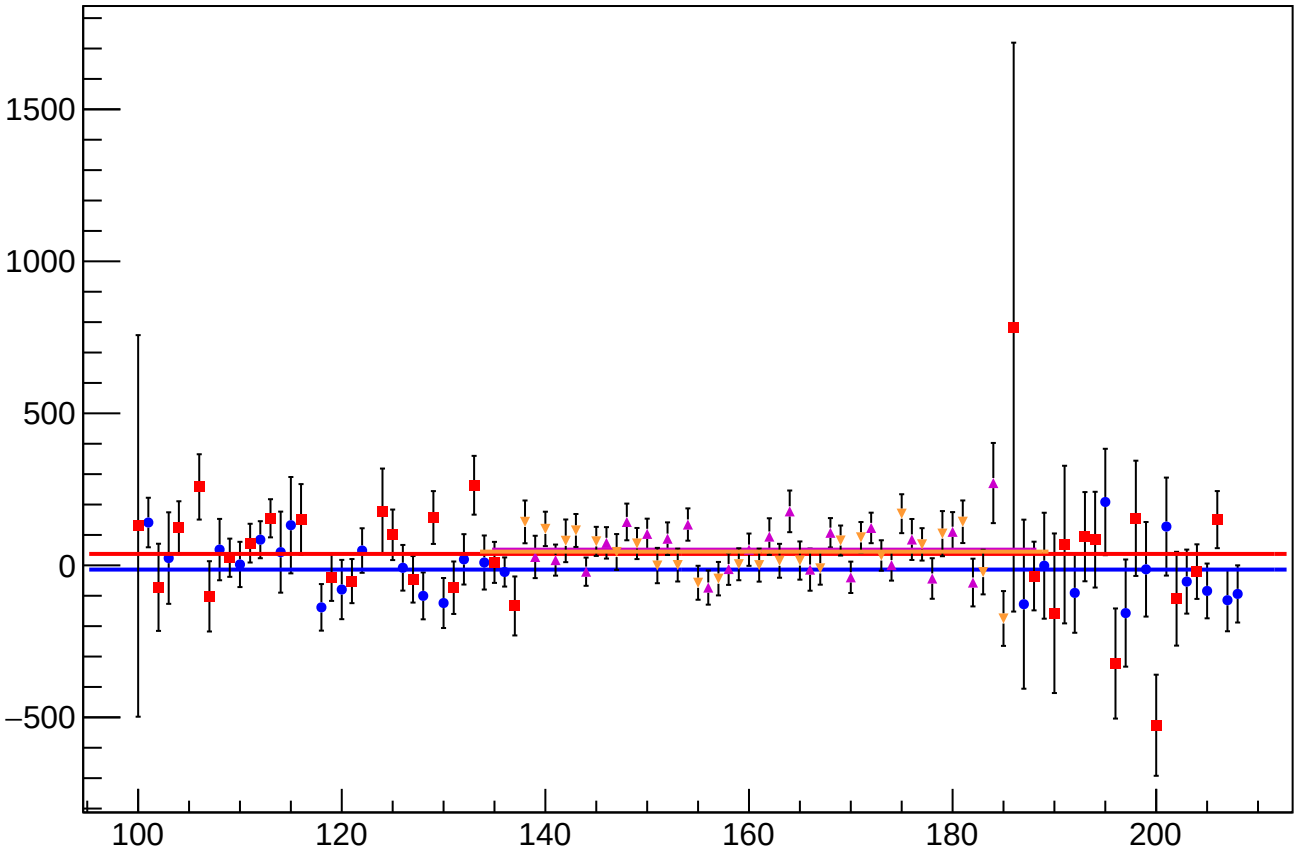
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 658.761+/-0.088 χ^2/NDF: 7989068.6/57

In: 409.214+/-0.054 χ^2/NDF:9292216.9/49

Out: 409.229+/-0.053 χ^2/NDF:10646810.7/55

All: 409.222+/-0.038 χ^2/NDF: 19939027.7/10



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 37.591+/-17.770 χ^2/NDF: 50.1/30

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

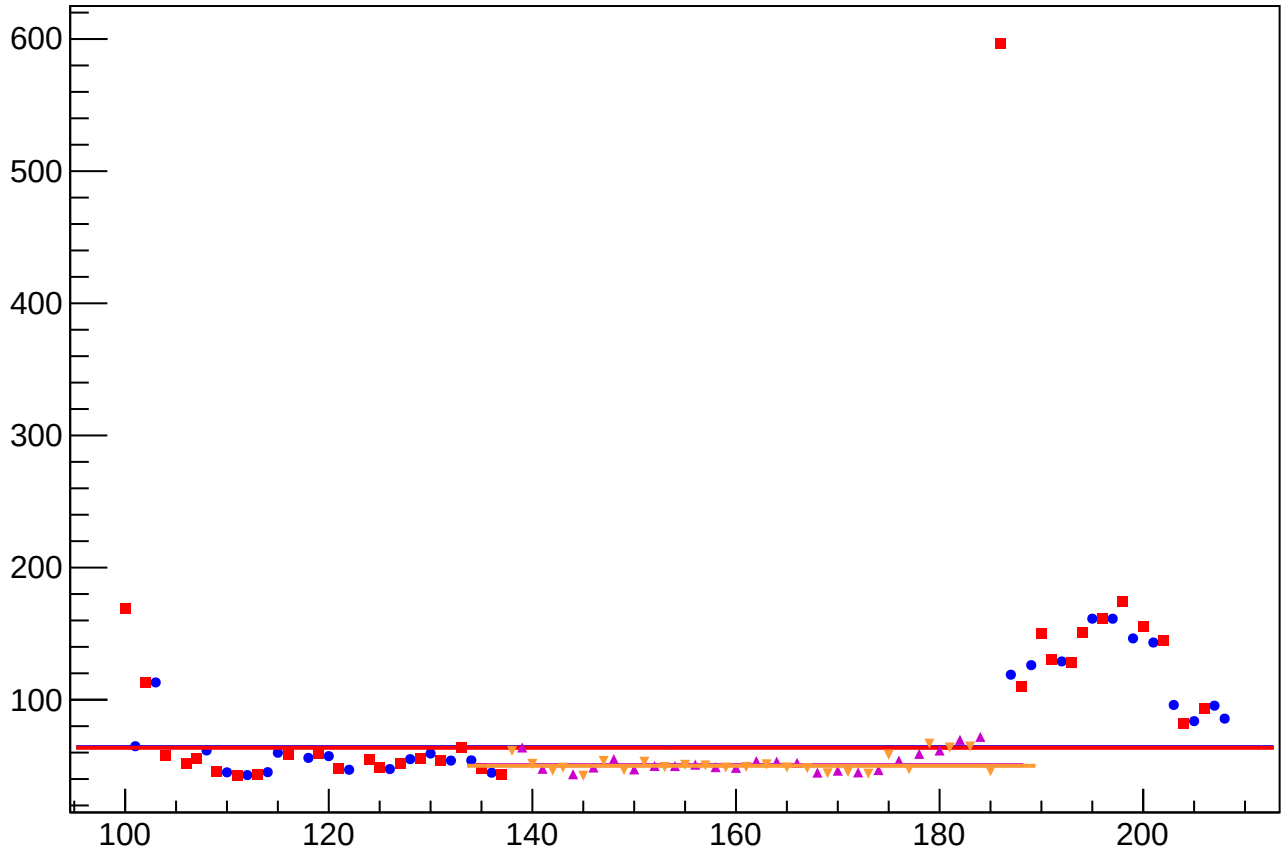
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 11.811+/-12.560 χ^2/NDF: 75.2/57

In: 31.232+/-9.902 χ^2/NDF:66.1/49

Out: 42.882+/-9.651 χ^2/NDF:81.6/55

All: 37.206+/-6.911 χ^2/NDF: 148.4/105



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

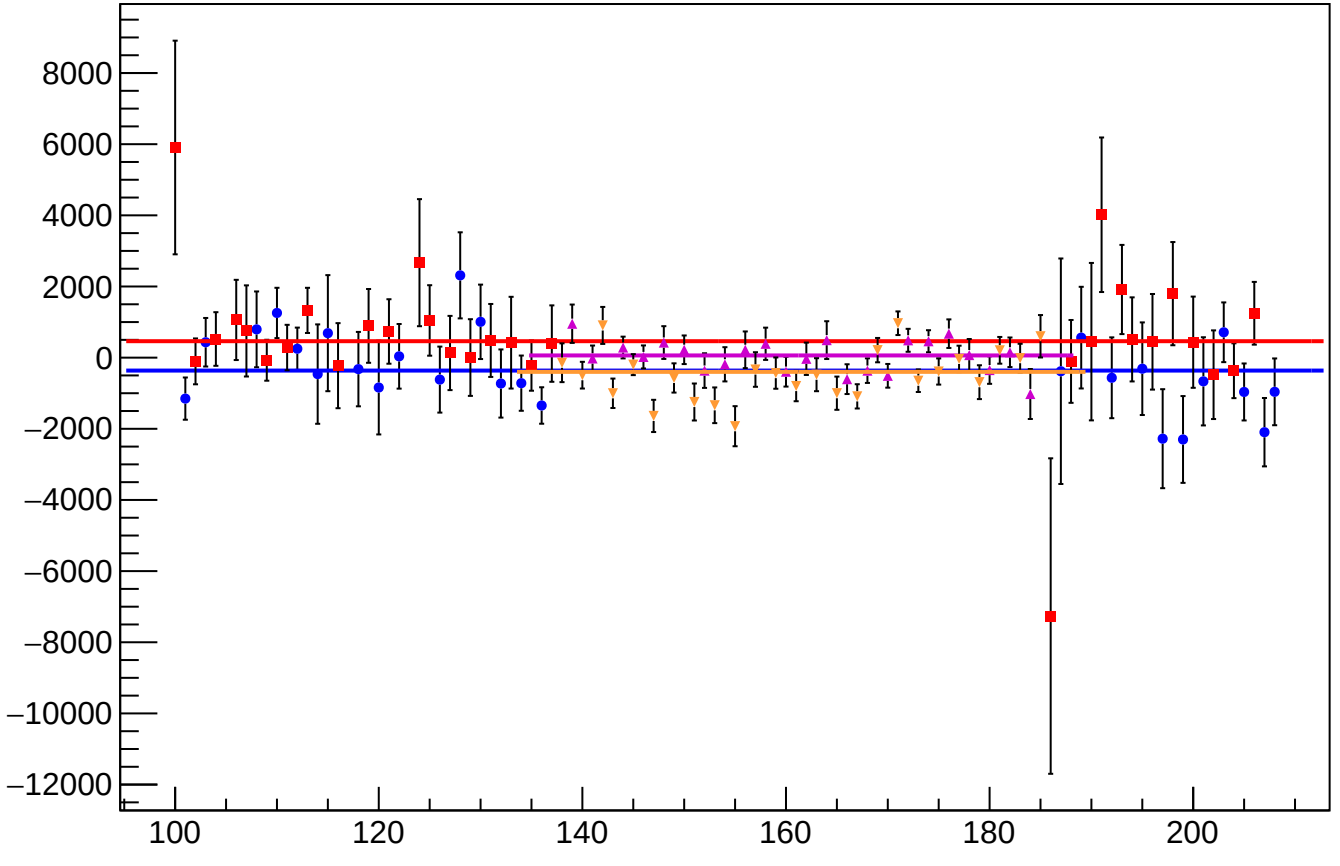
Right: 63.894+/-0.009 χ^2/NDF: 11392143.1/57

In: 54.747+/-0.007 χ^2/NDF:6258293.0/49

Out: 54.044+/-0.007 χ^2/NDF:7786749.2/55

All: 54.387+/-0.005 χ^2/NDF: 14050211.3/105

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

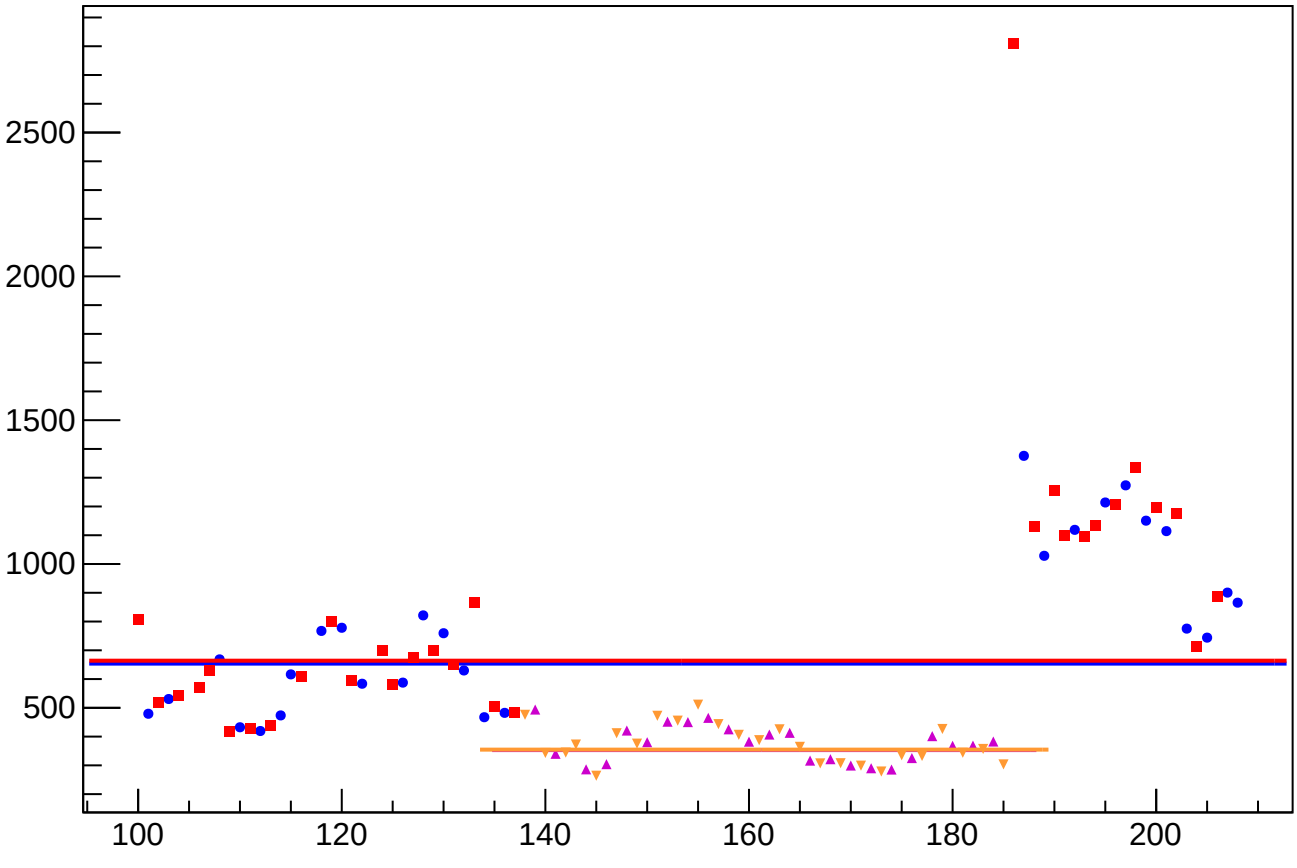
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 44.559+/-124.600 χ^2/NDF: 65.4/57

In: -17.340+/-75.661 χ^2/NDF:61.6/49

Out: -247.288+/-74.473 χ^2/NDF:106.4/55

All: -134.134+/-53.075 χ^2/NDF: 172.7/105



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

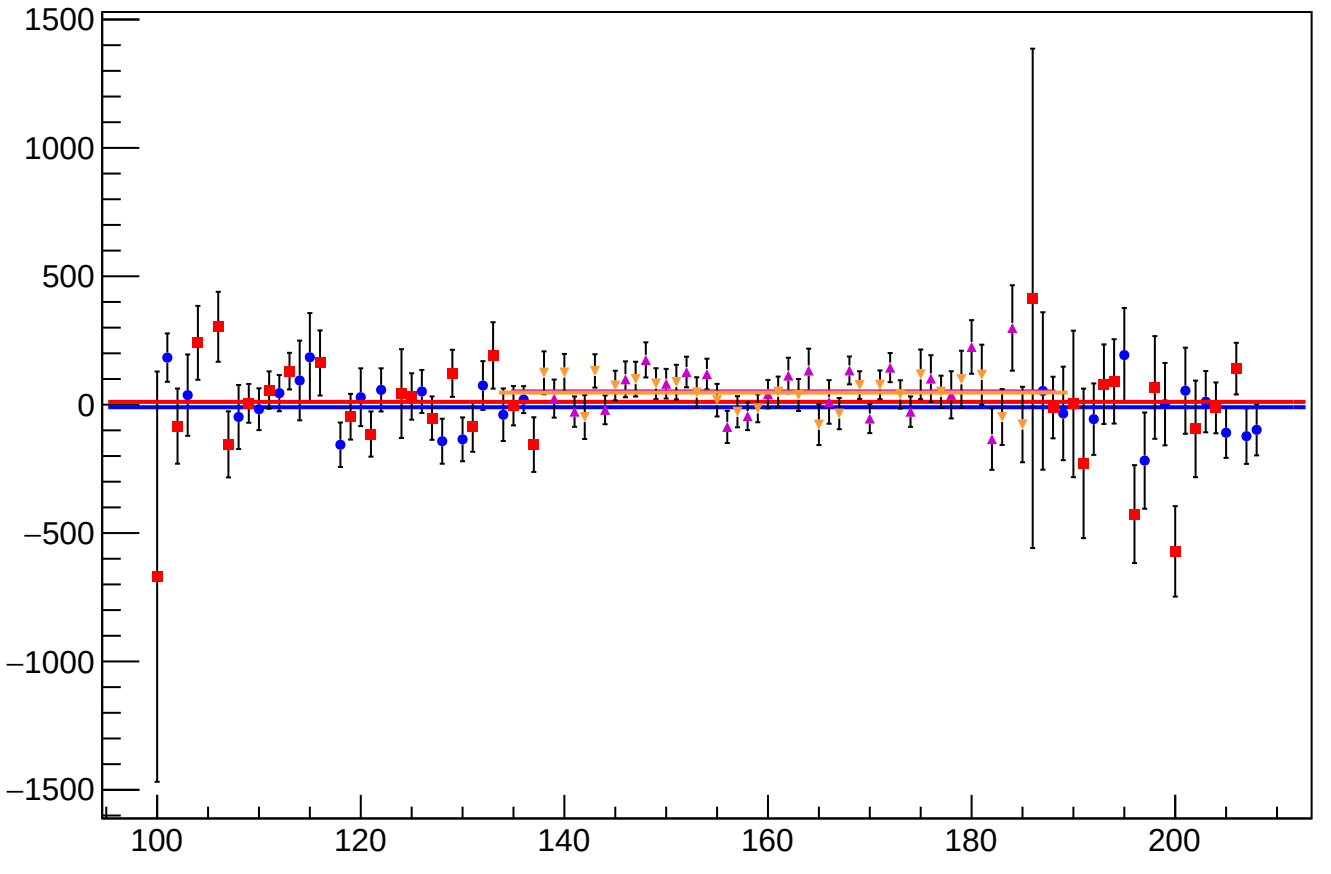
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 658.761+/-0.088 χ^2/NDF: 7989068.6/57

In: 409.214+/-0.054 χ^2/NDF:9292216.9/49

Out: 409.229+/-0.053 χ^2/NDF:10646810.7/55

All: 409.222+/-0.038 χ^2/NDF: 19939027.7/10



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 10.817+/-20.345 χ^2/NDF: 44.2/30

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

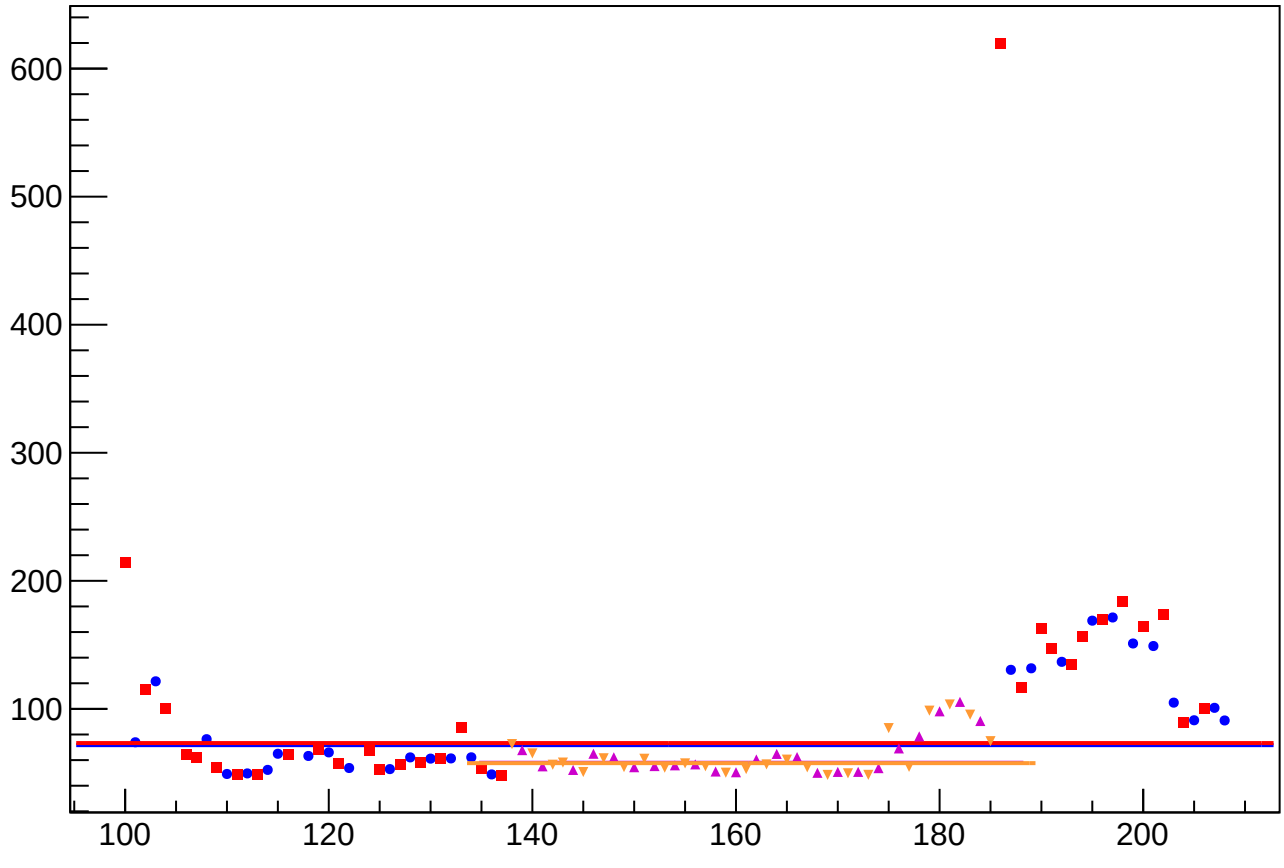
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 0.093+/-14.169 χ^2/NDF: 67.0/57

In: 31.154+/-11.384 χ^2/NDF:66.9/49

Out: 36.030+/-11.255 χ^2/NDF:63.4/55

All: 33.620+/-8.004 χ^2/NDF: 130.5/105



Right In: 71.688+/-0.014 χ^2/NDF: 4501087.2/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 73.314+/-0.014 χ^2/NDF: 5993186.6/30

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

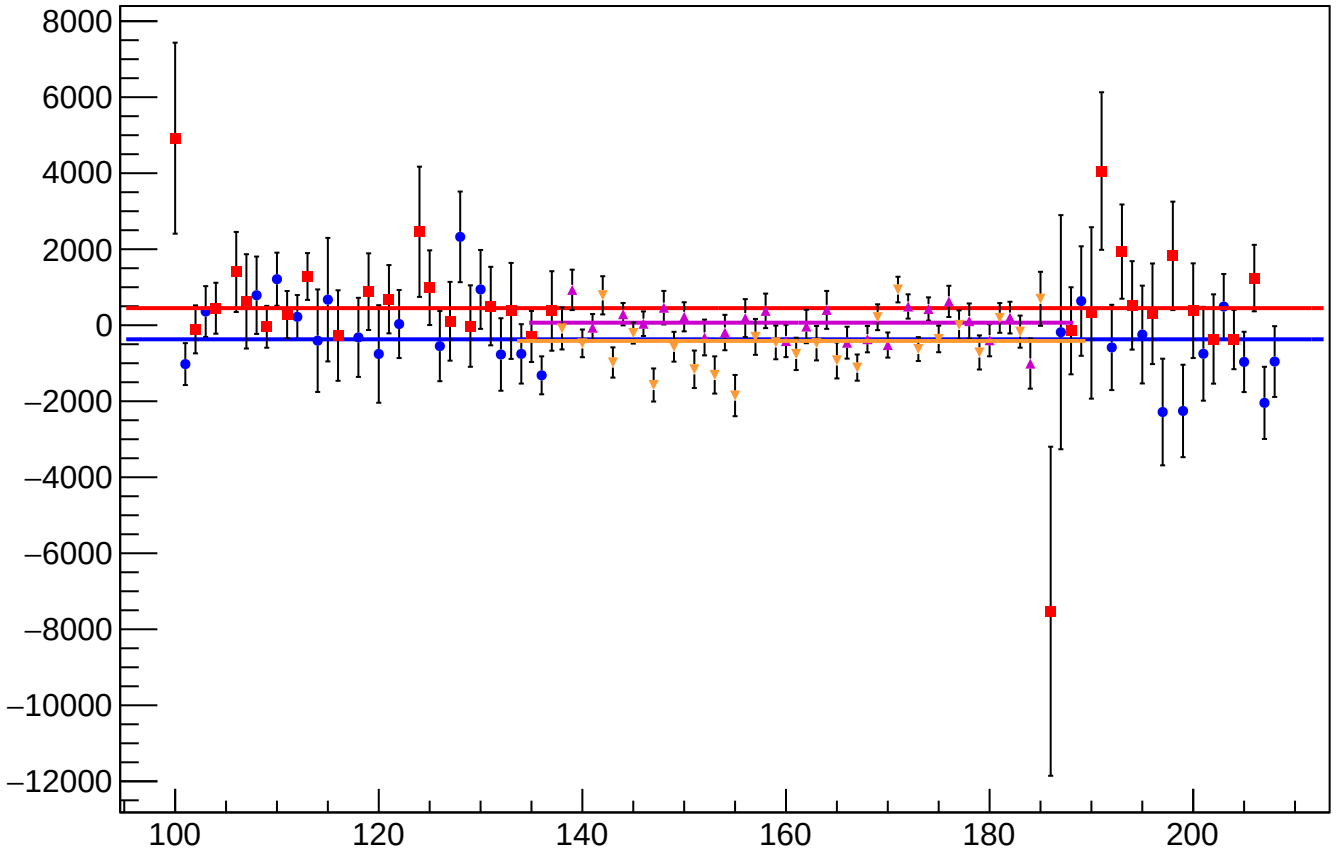
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 72.477+/-0.010 χ^2/NDF: 10500857.3/57

In: 62.510+/-0.008 χ^2/NDF:6272856.6/49

Out: 62.431+/-0.008 χ^2/NDF:8183394.0/55

All: 62.470+/-0.006 χ^2/NDF: 14456299.5/105



Right In: -370.565+/-171.787 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 449.839+/-172.051 χ^2/NDF: 22.8/30

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

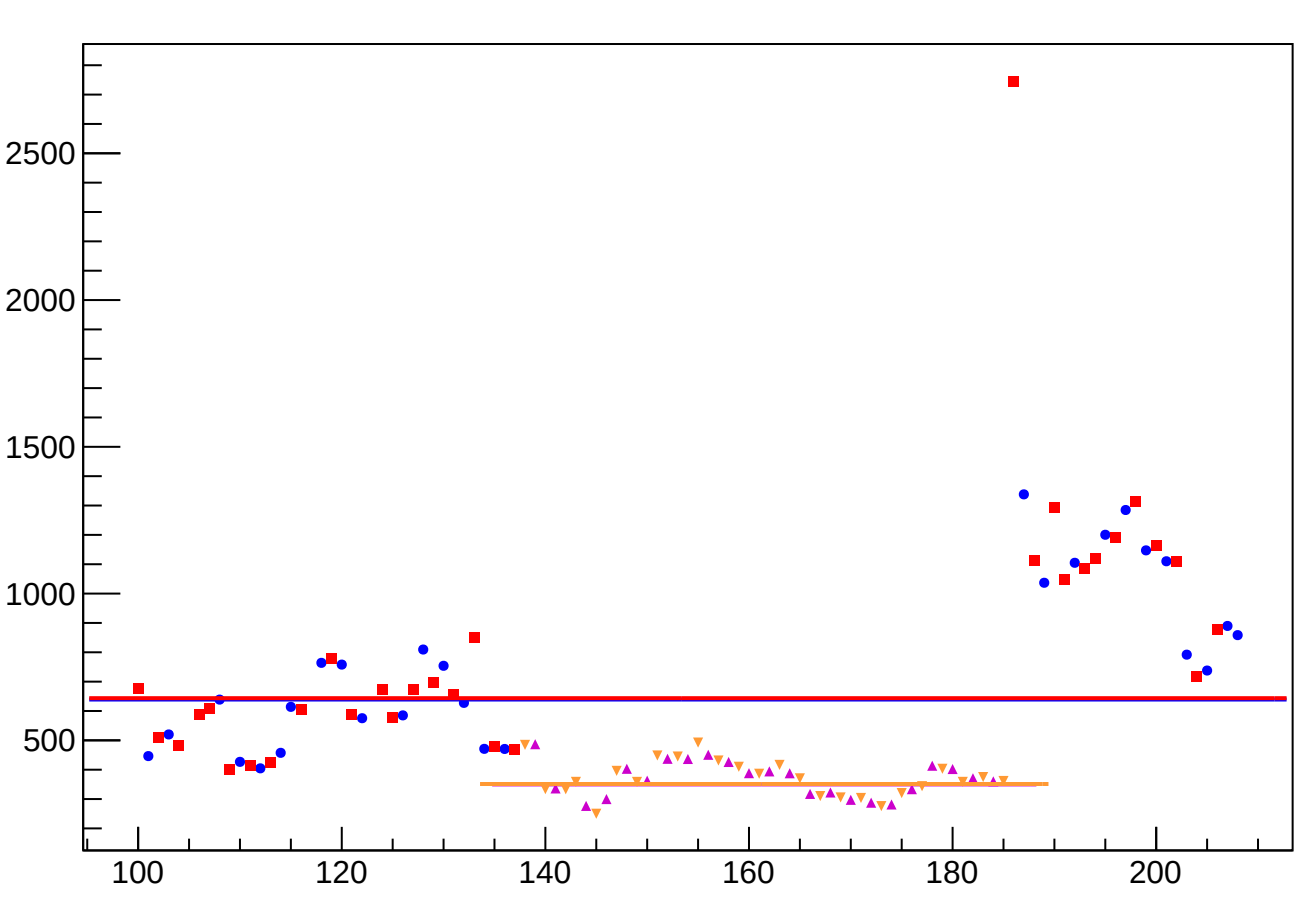
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 39.007+/-121.565 χ^2/NDF: 65.7/57

In: -16.240+/-74.794 χ^2/NDF:59.7/49

Out: -256.072+/-73.384 χ^2/NDF:104.7/55

All: -138.438+/-52.382 χ^2/NDF: 169.6/105



Right In: 639.061+/-0.121 χ^2/NDF: 3702835.3/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 643.648+/-0.122 χ^2/NDF: 4666224.5/30

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

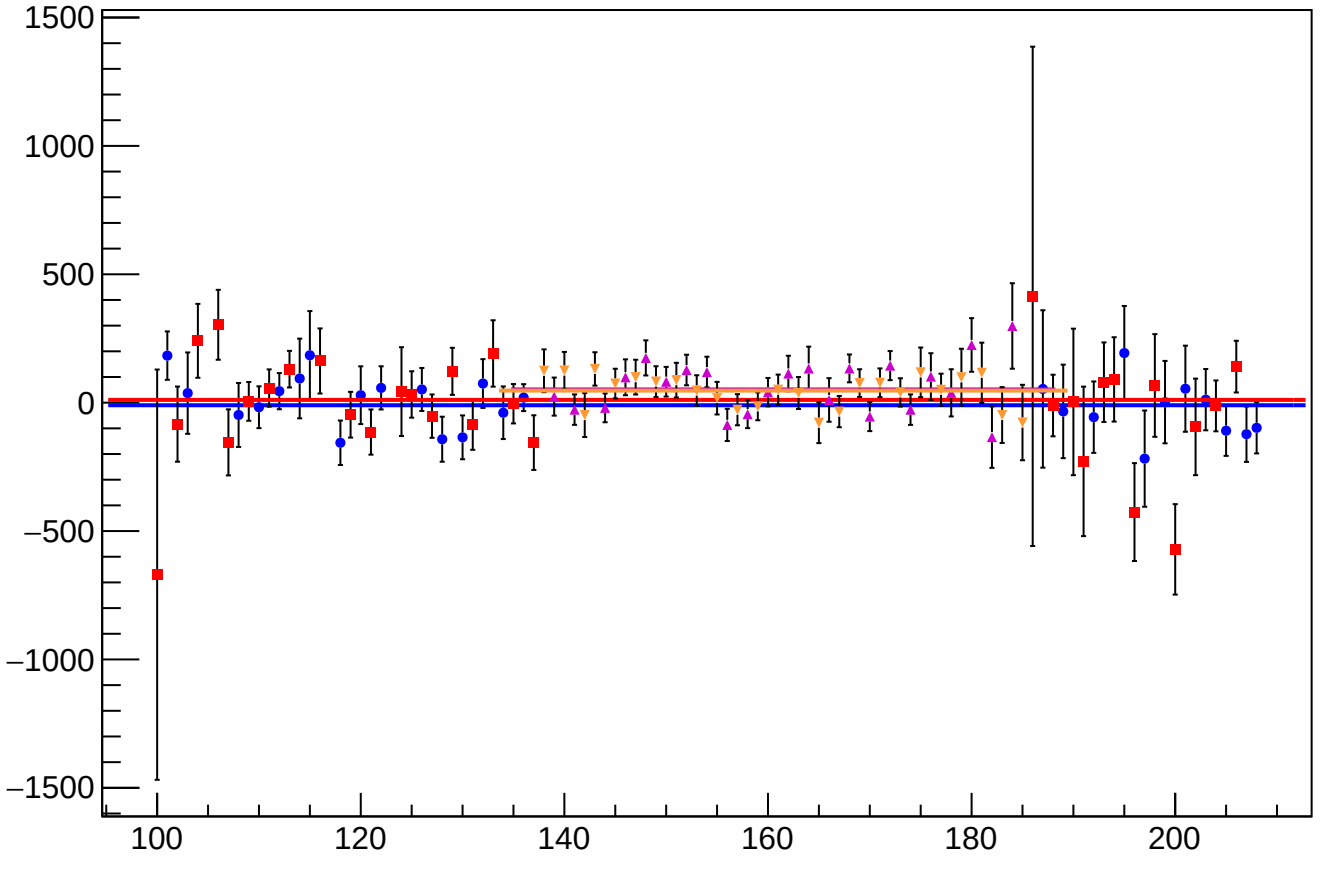
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 641.351+/-0.086 χ^2/NDF: 8369771.6/57

In: 404.644+/-0.053 χ^2/NDF:9288487.4/49

Out: 404.456+/-0.052 χ^2/NDF:10509639.5/55

All: 404.548+/-0.037 χ^2/NDF: 19798133.3/10



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 10.815+/-20.345 χ^2/NDF: 44.2/30

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

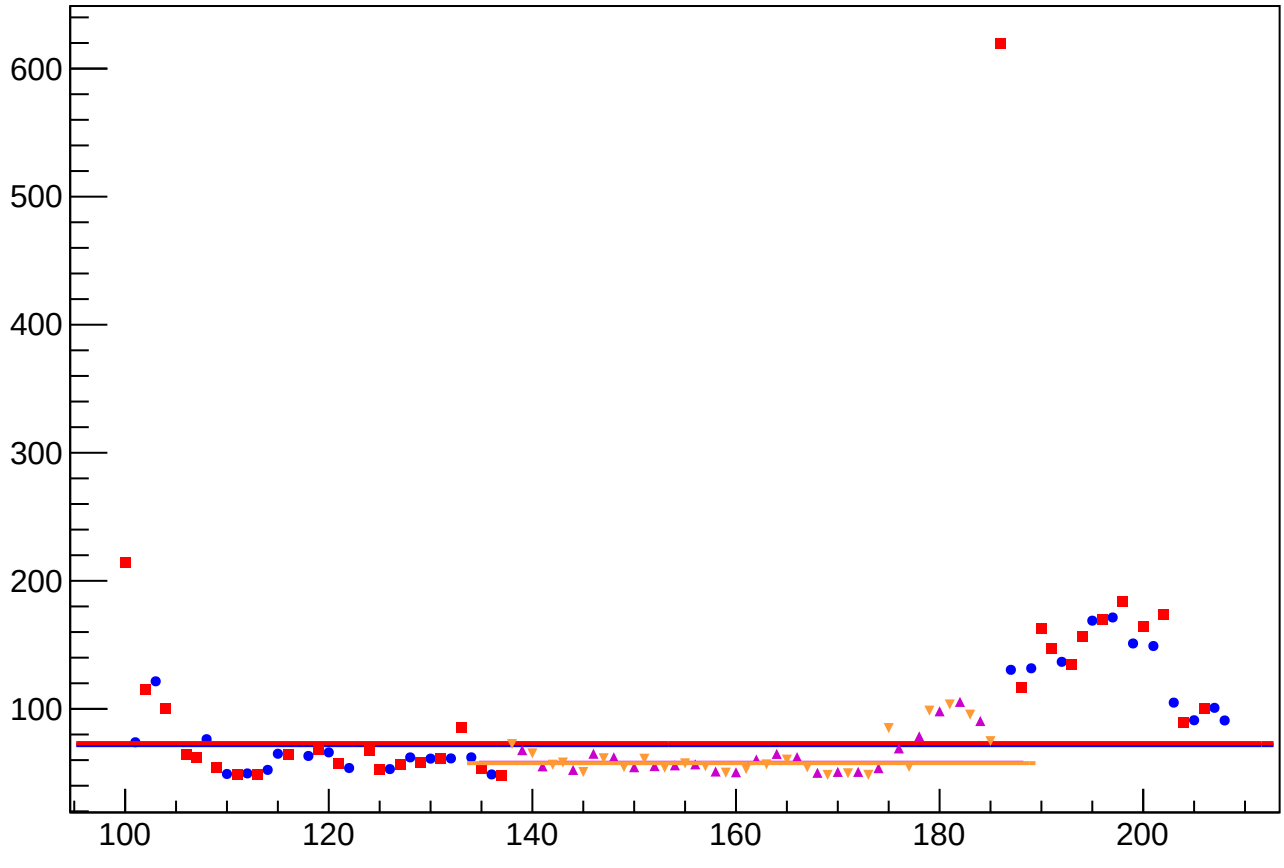
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 0.092+/-14.169 χ^2/NDF: 67.0/57

In: 31.153+/-11.384 χ^2/NDF:66.9/49

Out: 36.030+/-11.255 χ^2/NDF:63.4/55

All: 33.619+/-8.004 χ^2/NDF: 130.5/105



Right In: 71.688+/-0.014 χ^2/NDF: 4501065.3/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 73.314+/-0.014 χ^2/NDF: 5993174.6/30

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

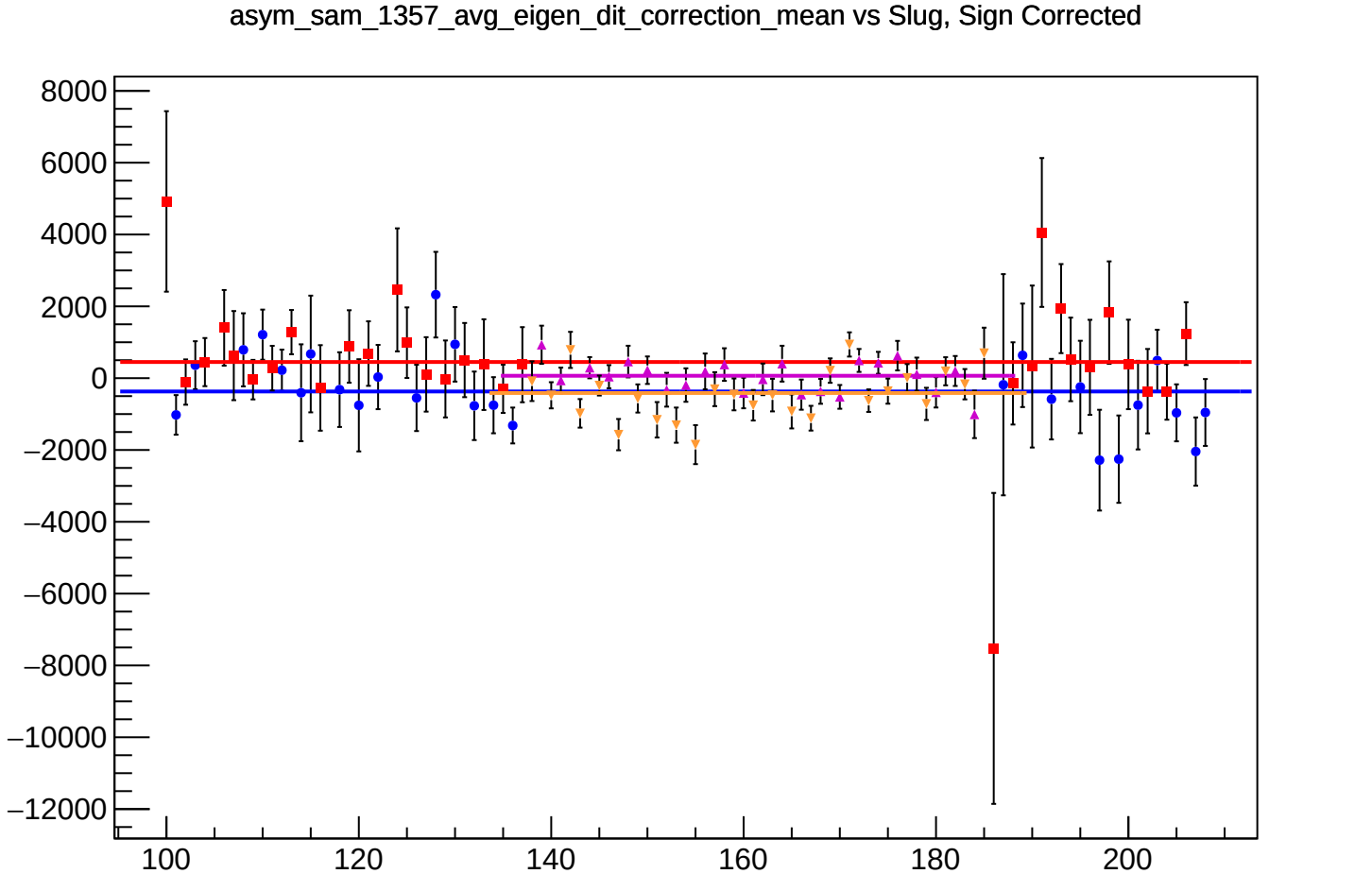
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 72.477+/-0.010 χ^2/NDF: 10500823.8/57

In: 62.510+/-0.008 χ^2/NDF:6272817.5/49

Out: 62.431+/-0.008 χ^2/NDF:8183379.2/55

All: 62.470+/-0.006 χ^2/NDF: 14456245.7/105



Right In: -370.565+/-171.786 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 449.838+/-172.050 χ^2/NDF: 22.8/30

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

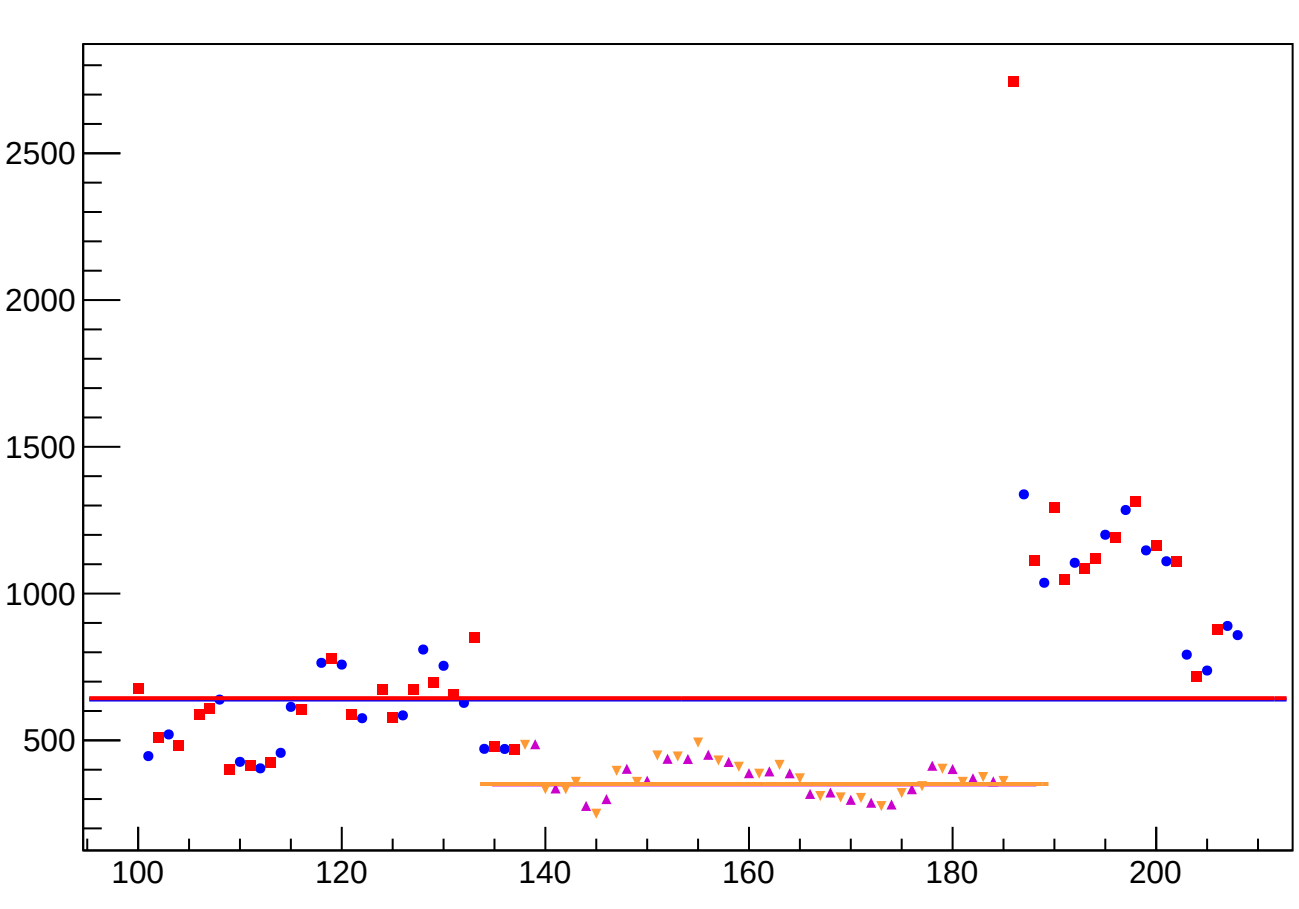
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 39.007+/-121.564 χ^2/NDF: 65.7/57

In: -16.241+/-74.794 χ^2/NDF:59.7/49

Out: -256.072+/-73.384 χ^2/NDF:104.7/55

All: -138.438+/-52.382 χ^2/NDF: 169.6/105



Right In: 639.060+/-0.121 χ^2/NDF: 3702844.9/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 643.646+/-0.122 χ^2/NDF: 4666229.3/30

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

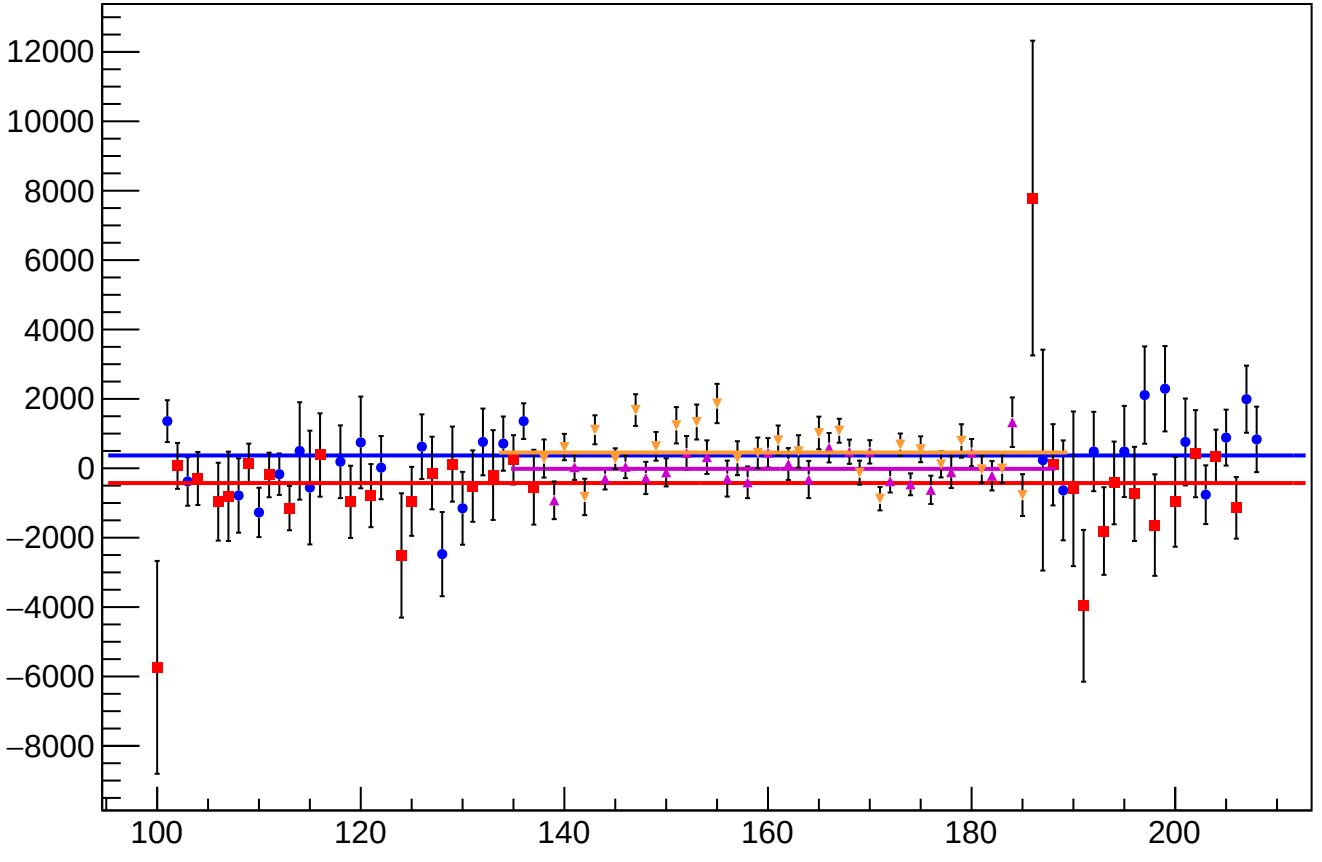
Right: 641.350+/-0.086 χ^2/NDF: 8369785.9/57

In: 404.643+/-0.053 χ^2/NDF:9288472.4/49

Out: 404.455+/-0.052 χ^2/NDF:10509626.3/55

All: 404.548+/-0.037 χ^2/NDF: 19798105.2/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 369.767+/-176.535 χ^2/NDF: 33.3/26

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -425.015+/-178.590 χ^2/NDF: 20.3/30

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

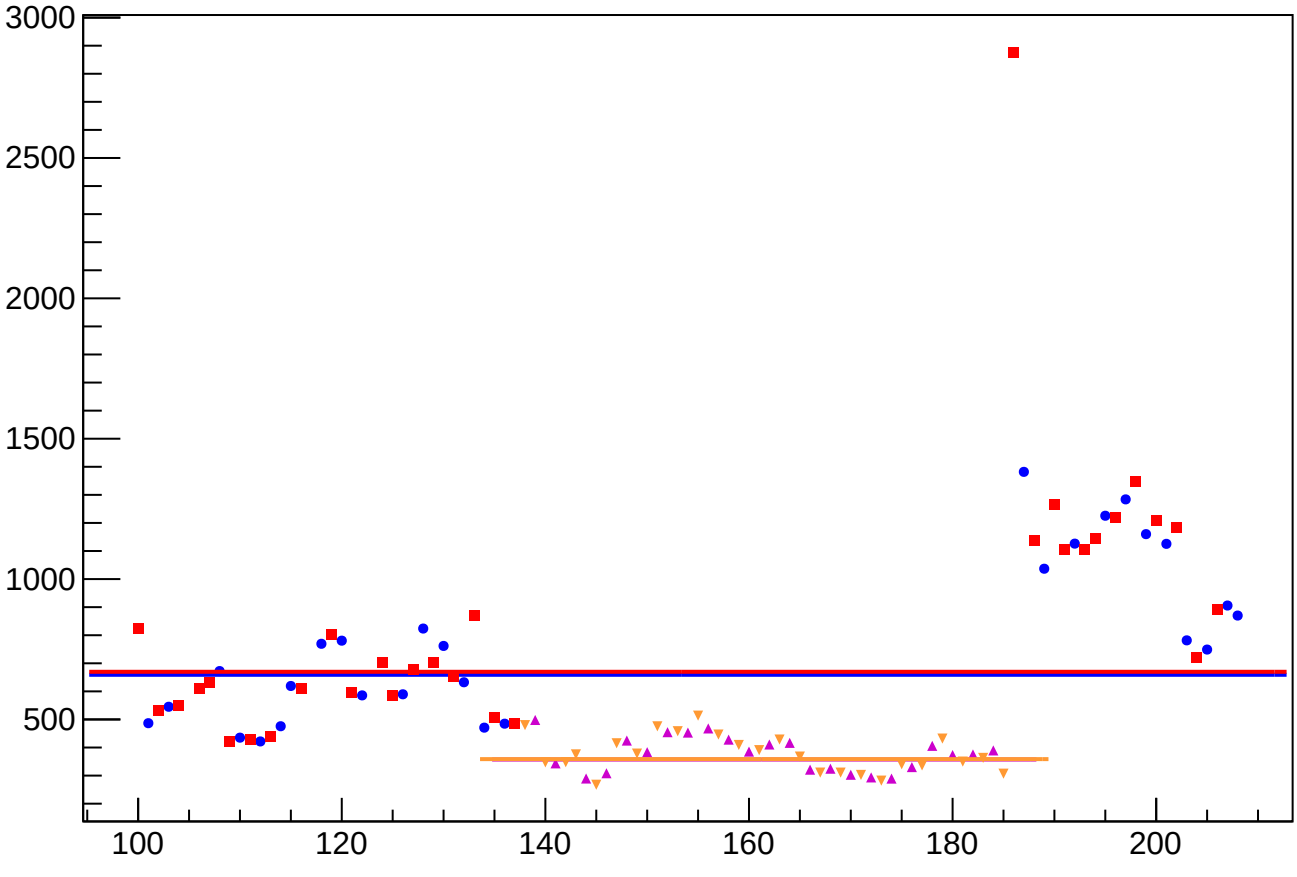
Right: -23.025+/-125.549 χ^2/NDF: 63.6/57

In: 56.308+/-76.461 χ^2/NDF:62.0/49

Out: 299.000+/-75.239 χ^2/NDF:101.1/55

All: 179.608+/-53.629 χ^2/NDF: 168.3/105

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 659.070+/-0.125 χ^2/NDF: 3481282.1/26

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 669.790+/-0.126 χ^2/NDF: 4481938.7/30

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

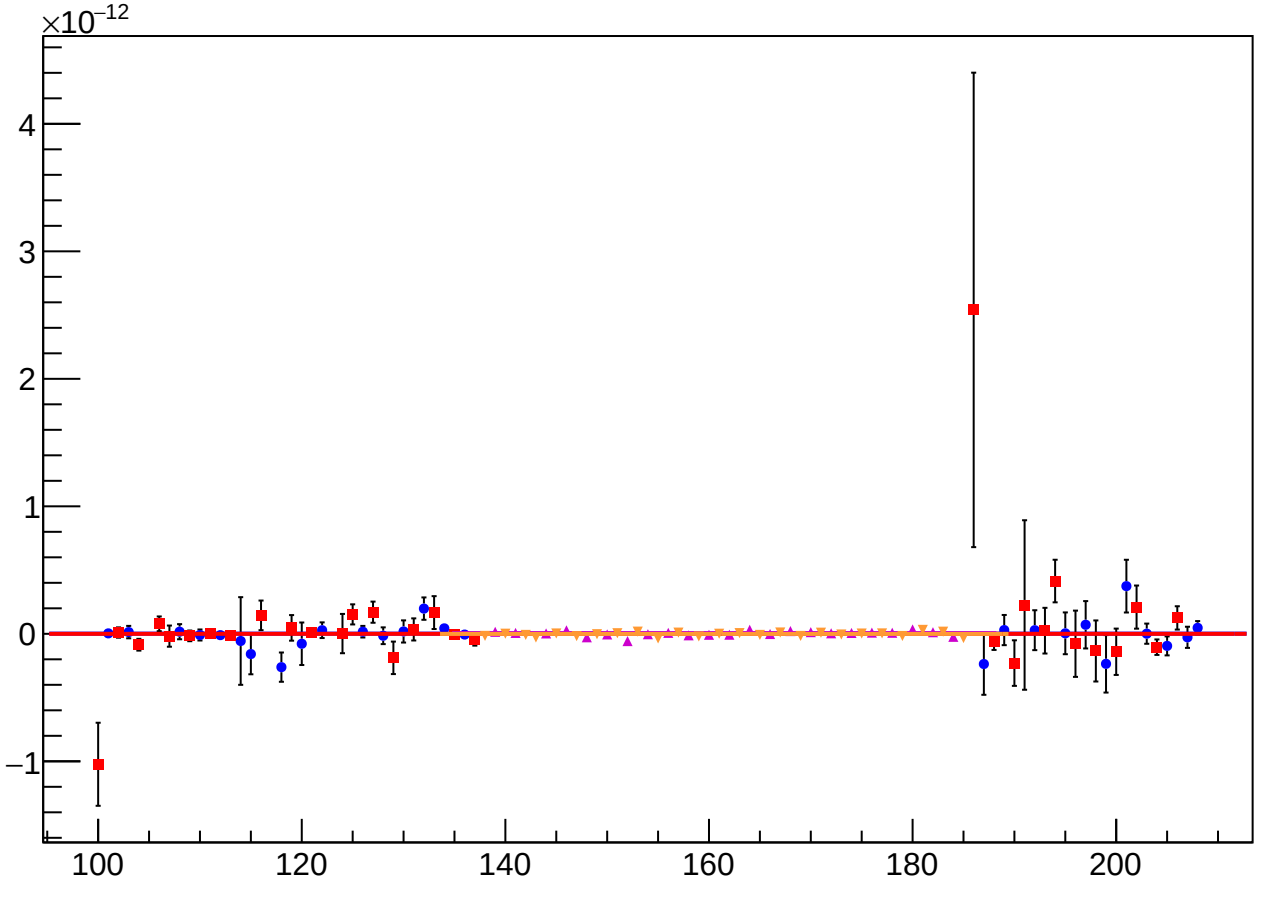
Right: 664.368+/-0.089 χ^2/NDF: 7966865.8/57

In: 413.814+/-0.054 χ^2/NDF:9214472.3/49

Out: 413.896+/-0.053 χ^2/NDF:10593720.0/55

All: 413.856+/-0.038 χ^2/NDF: 19808193.5/10

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

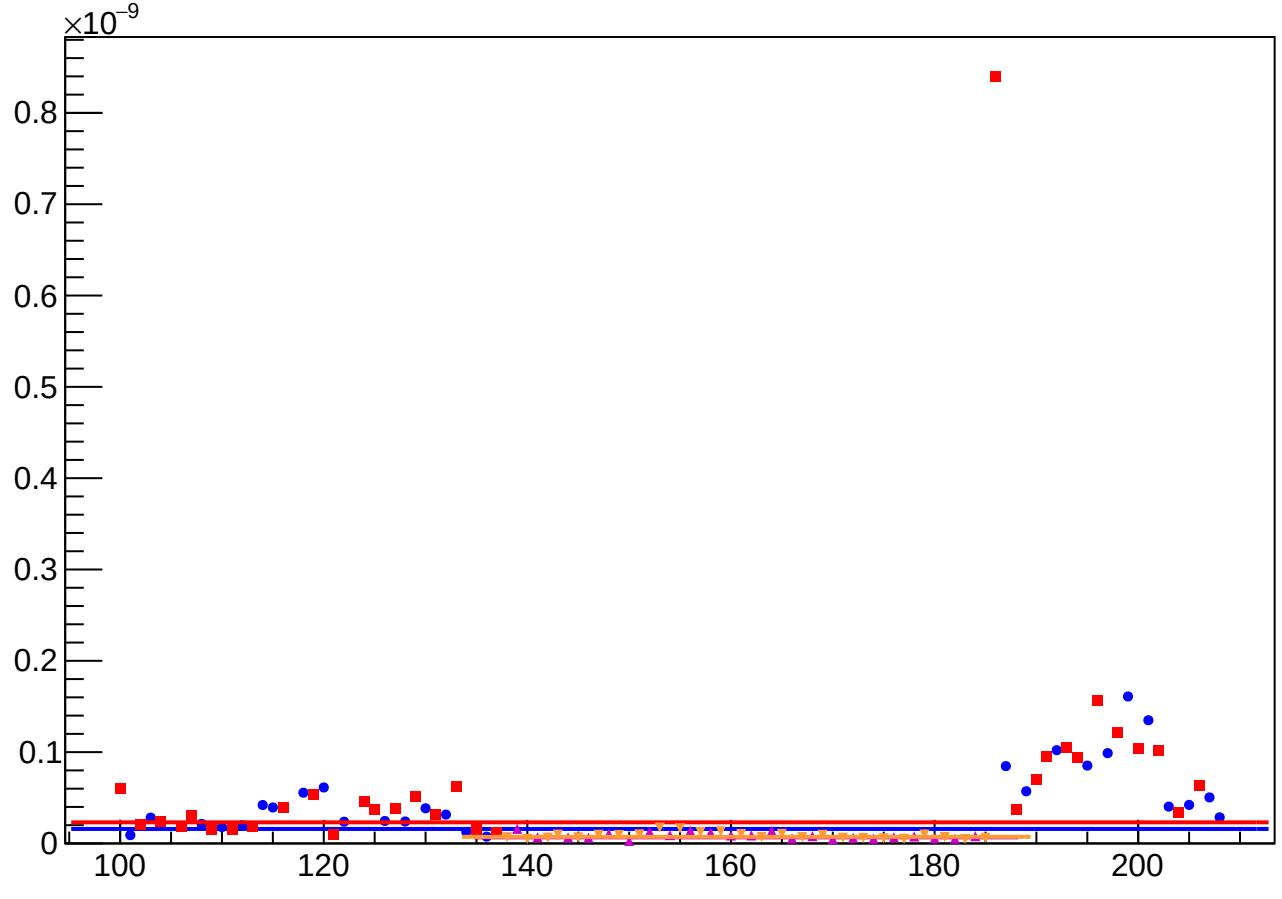
Right: 0.000+/-0.000 χ^2/NDF: 69.8/57

In: 0.000+/-0.000 χ^2/NDF:50.4/49

Out: -0.000+/-0.000 χ^2/NDF:66.3/55

All: 0.000+/-0.000 χ^2/NDF: 119.1/105

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6141508.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5140568.4/30

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

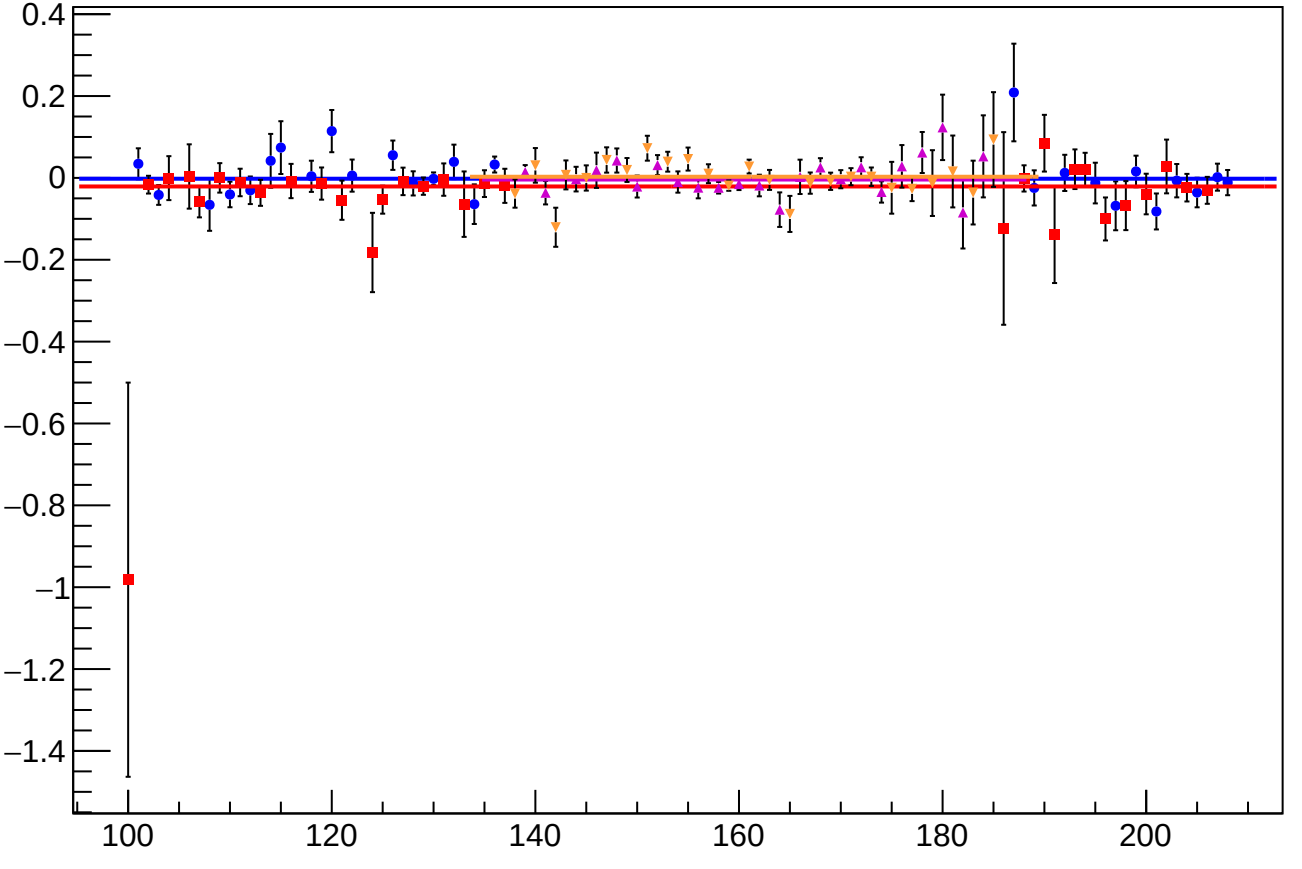
Right: 0.000+/-0.000 χ^2/NDF: 11789856.3/57

In: 0.000+/-0.000 χ^2/NDF:9926681.1/49

Out: 0.000+/-0.000 χ^2/NDF:10189969.8/55

All: 0.000+/-0.000 χ^2/NDF: 20171839.1/105

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

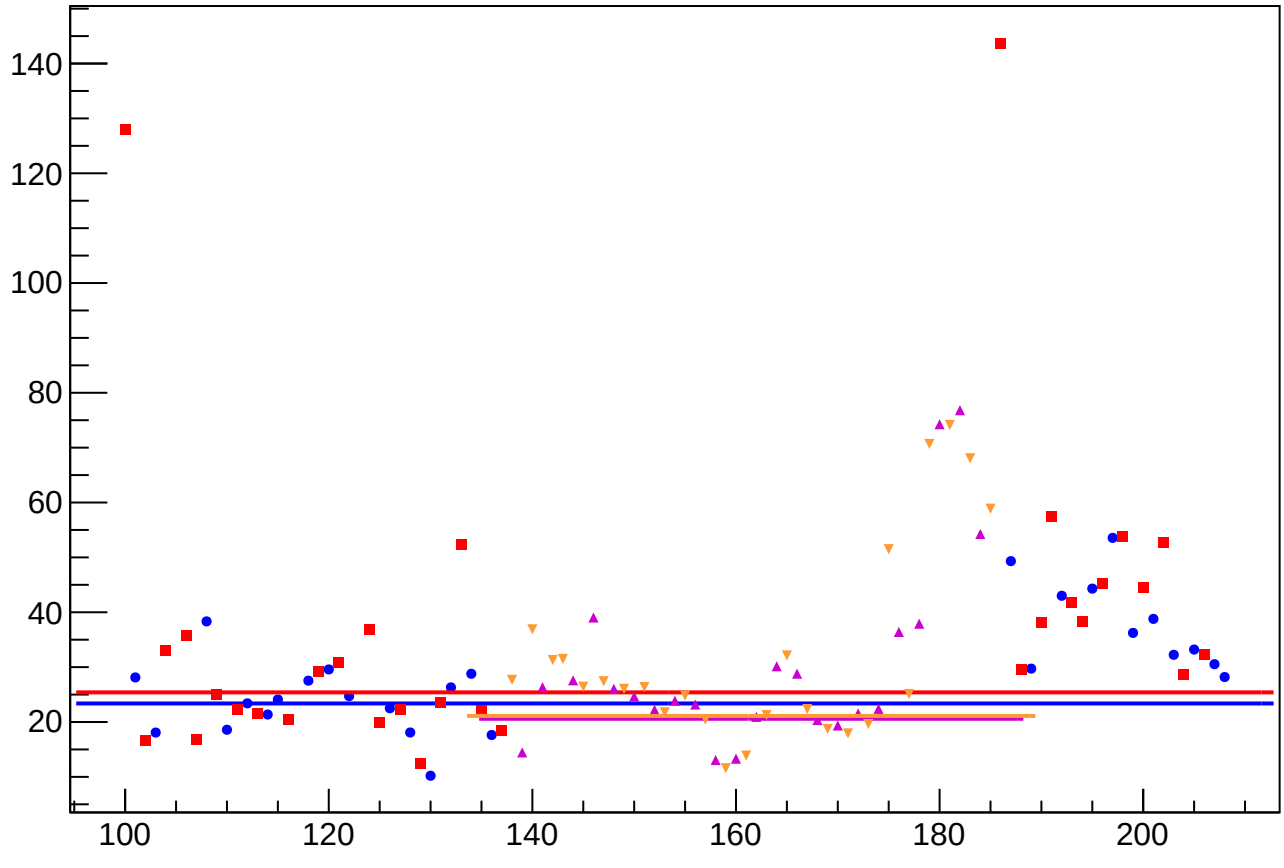
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.011+/-0.005 χ^2/NDF: 55.4/57

In: -0.003+/-0.004 χ^2/NDF:56.2/49

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/105



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

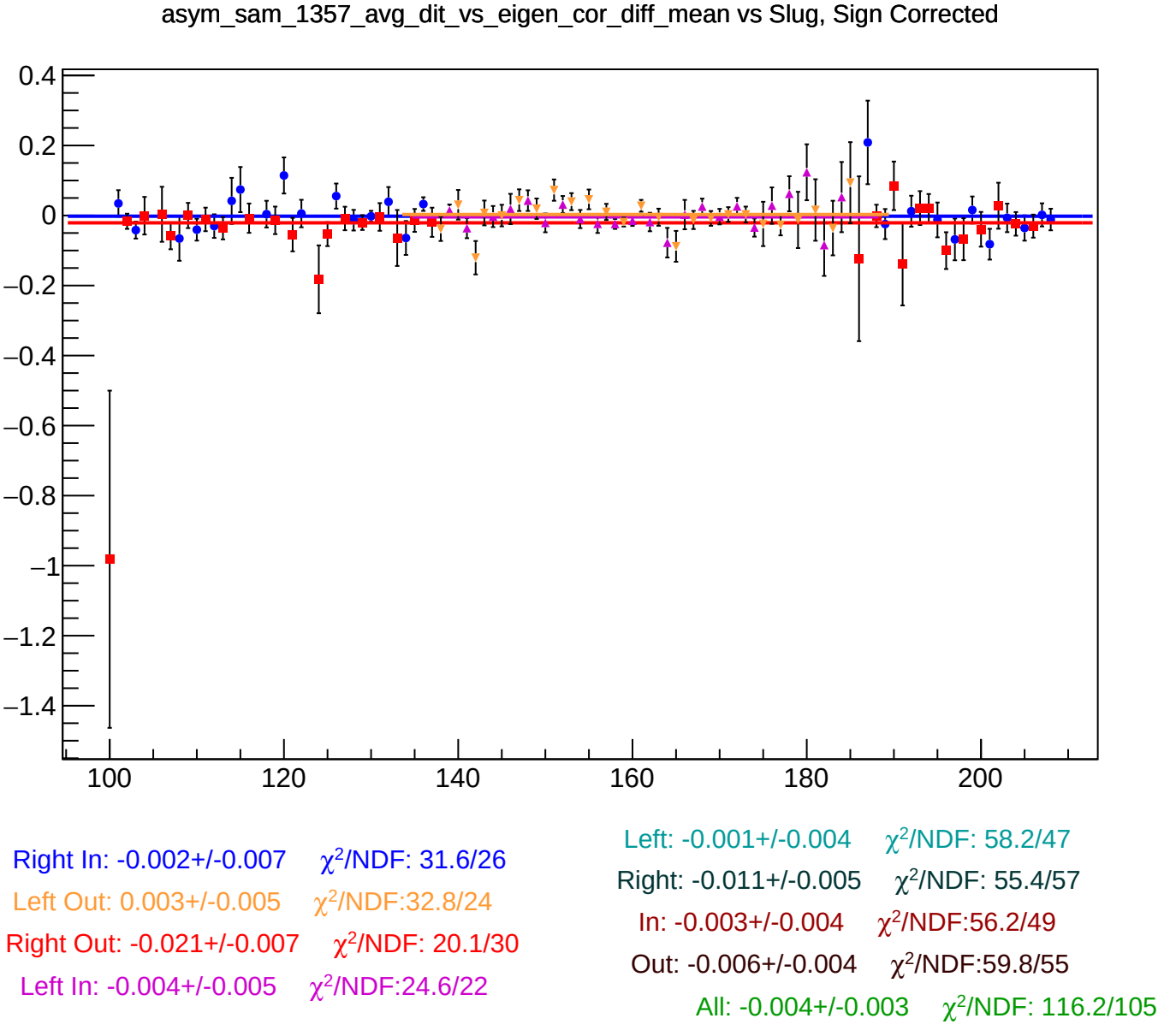
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.309+/-0.003 χ^2/NDF: 8923196.9/57

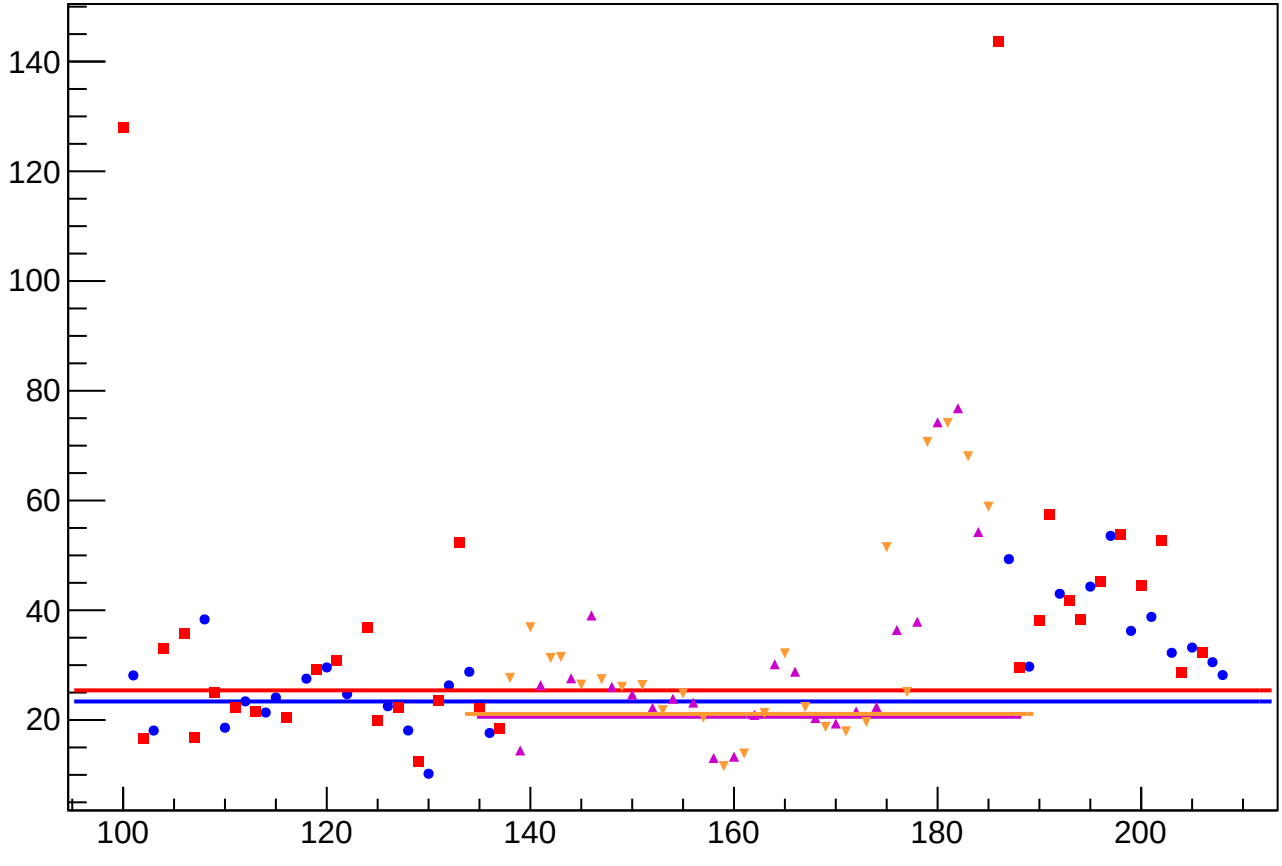
In: 21.712+/-0.003 χ^2/NDF:9108051.7/49

Out: 22.677+/-0.003 χ^2/NDF:10540108.7/55

All: 22.179+/-0.002 χ^2/NDF: 19699174.6/105


asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
120
140
160
180
200
Right In: -0.002+/-0.007 χ²/NDF: 31.6/26
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.021+/-0.007 χ²/NDF: 20.1/30
Left In: -0.004+/-0.005 χ²/NDF:24.6/22
Left: -0.001+/-0.004 χ²/NDF: 58.2/47
Right: -0.011+/-0.005 χ²/NDF: 55.4/57
In: -0.003+/-0.004 χ²/NDF:56.2/49
Out: -0.006+/-0.004 χ²/NDF:59.8/55
All: -0.004+/-0.003 χ²/NDF: 116.2/105

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

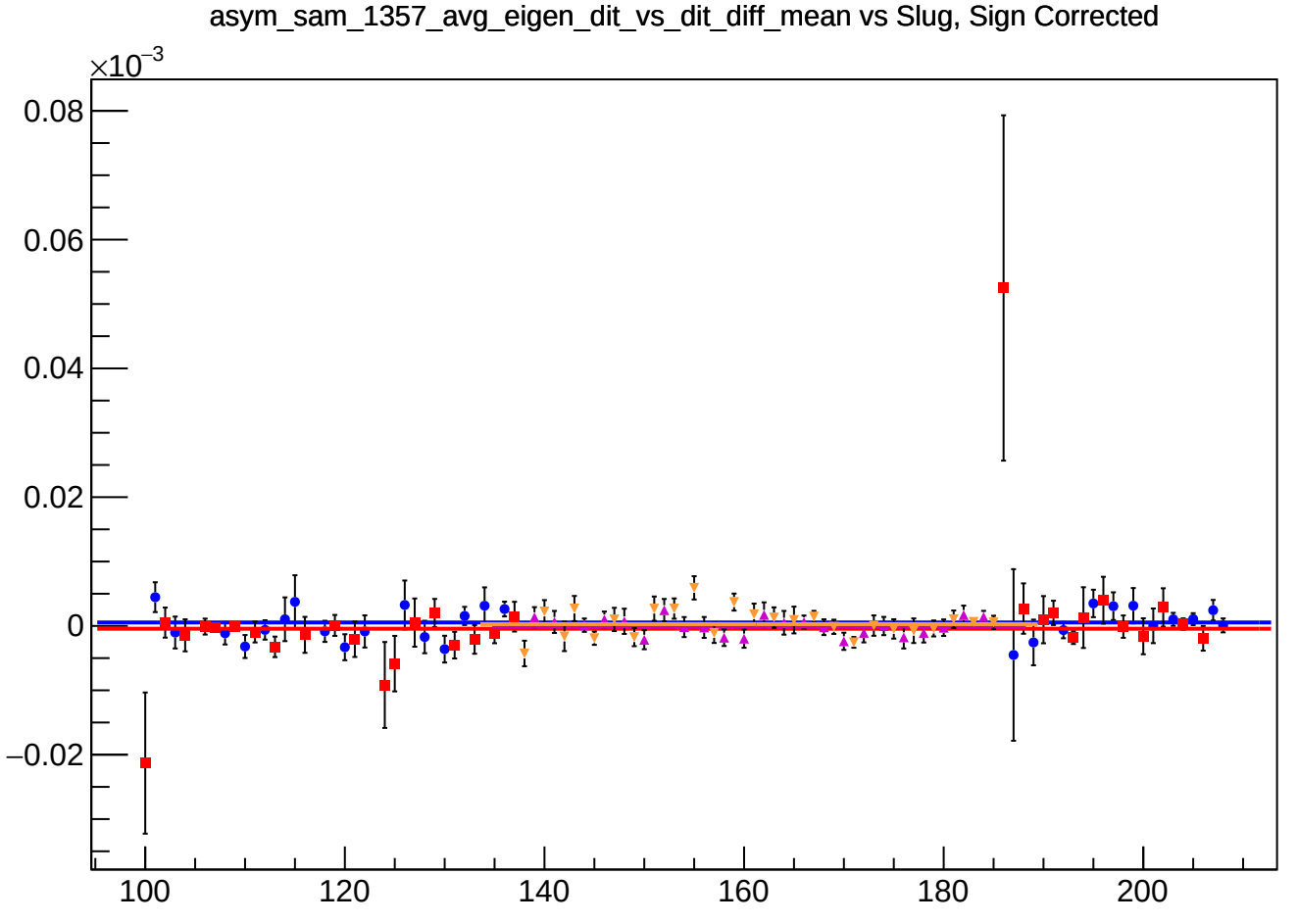
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.309+/-0.003 χ^2/NDF: 8923196.9/57

In: 21.712+/-0.003 χ^2/NDF:9108051.7/49

Out: 22.677+/-0.003 χ^2/NDF:10540108.7/55

All: 22.179+/-0.002 χ^2/NDF: 19699174.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

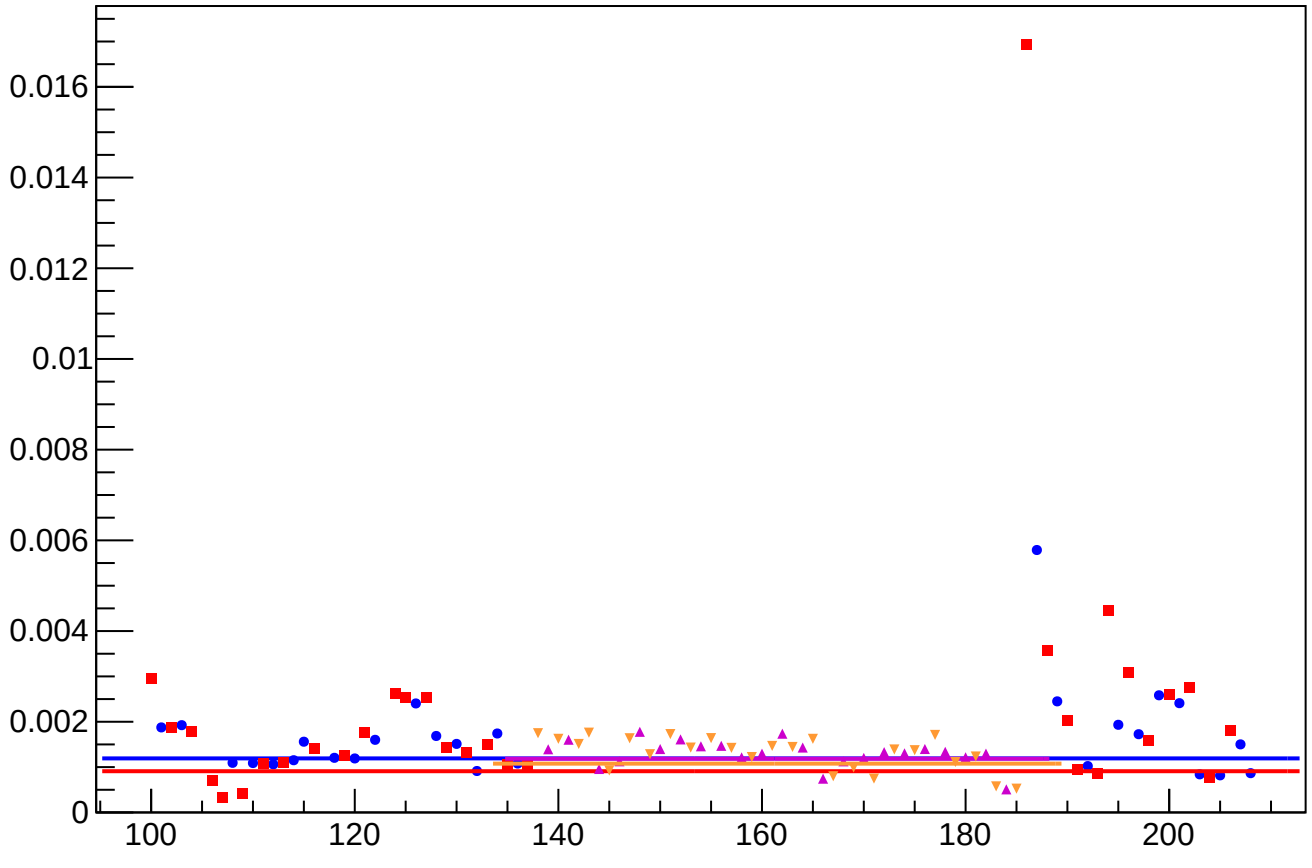
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 65.9/57

In: 0.000+/-0.000 χ^2/NDF:54.0/49

Out: -0.000+/-0.000 χ^2/NDF:84.5/55

All: 0.000+/-0.000 χ^2/NDF: 139.3/105



Right In: 0.001+/-0.000 χ^2/NDF: 3588753.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11036995.9/30

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

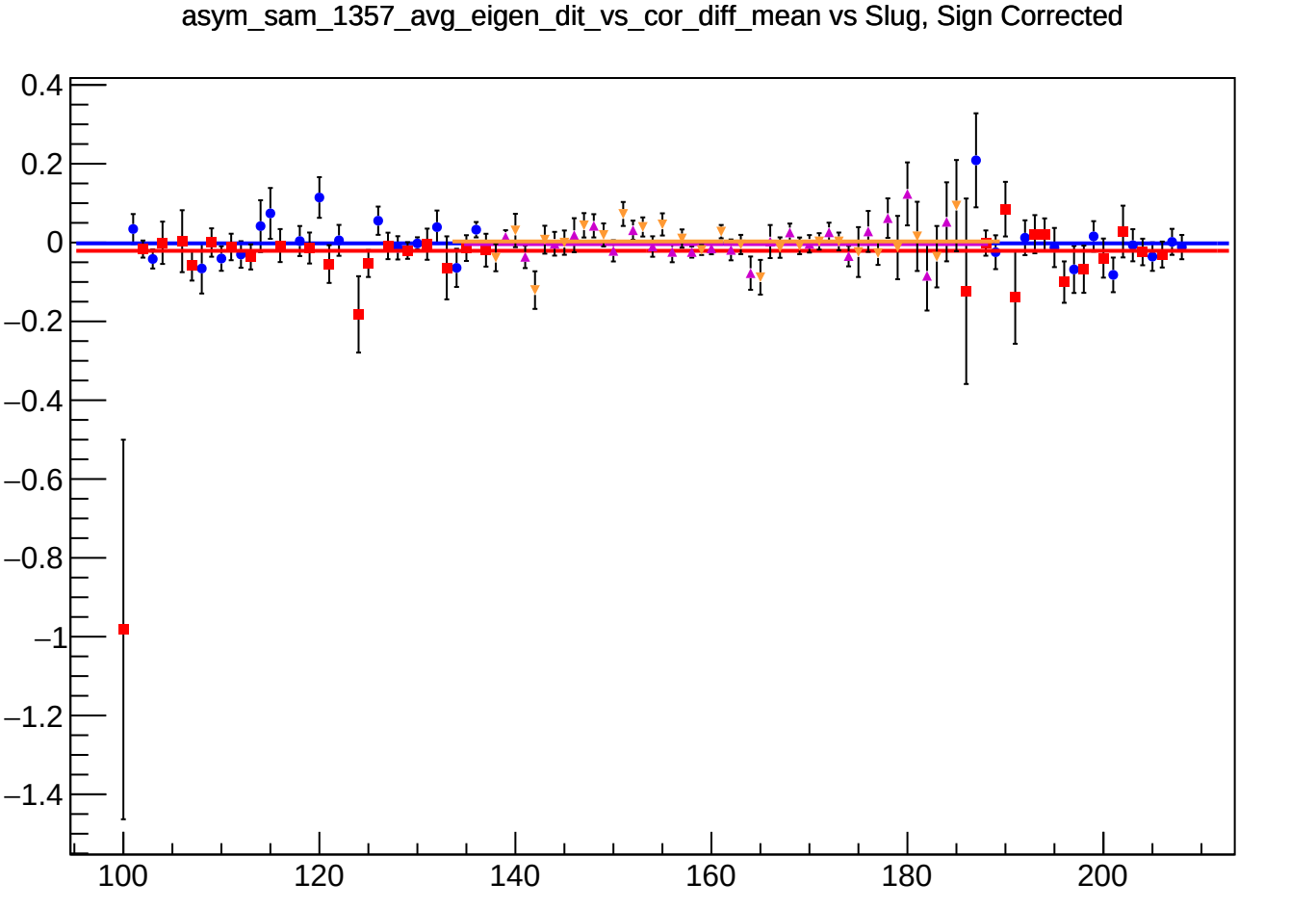
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 15460842.0/57

In: 0.001+/-0.000 χ^2/NDF:6045853.7/49

Out: 0.001+/-0.000 χ^2/NDF:15955829.7/55

All: 0.001+/-0.000 χ^2/NDF: 22839609.9/105



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

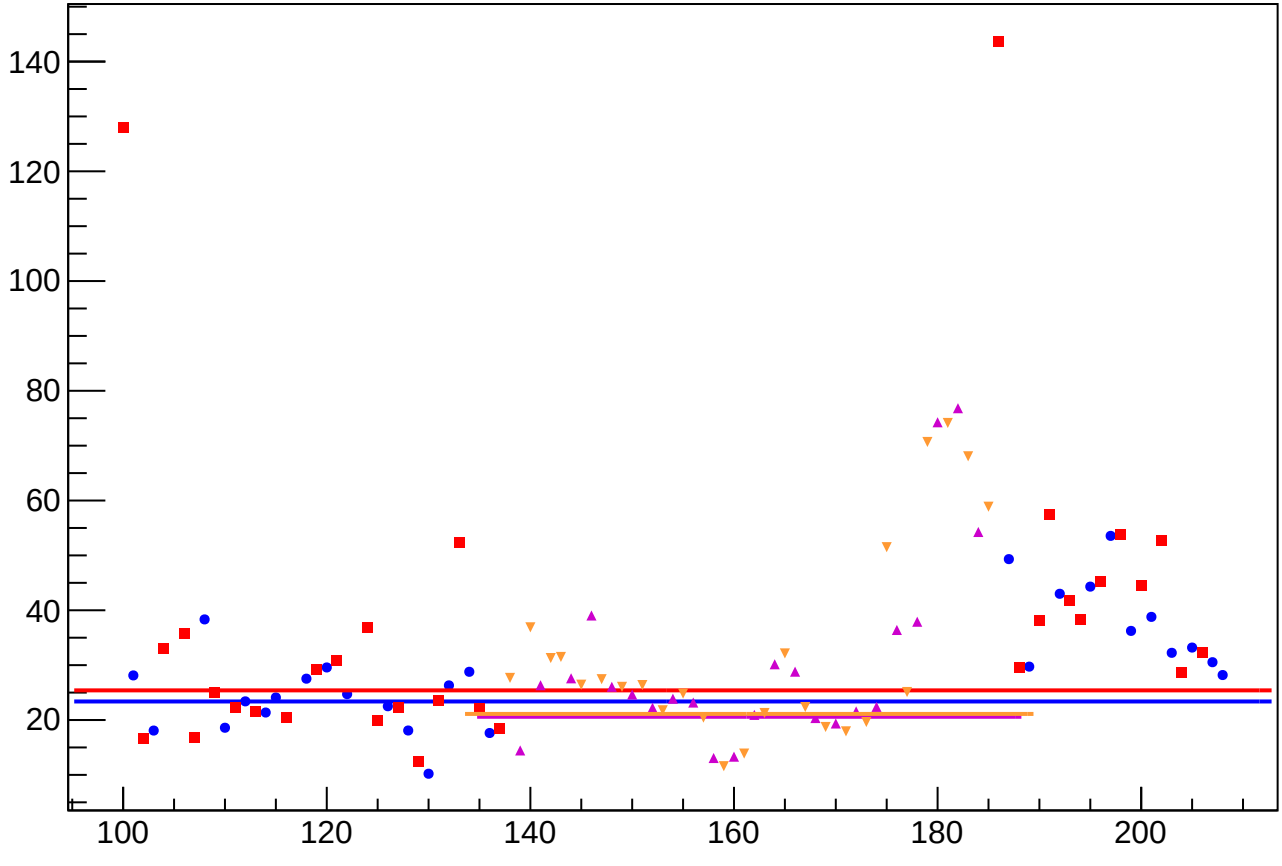
Right: -0.011+/-0.005 χ^2/NDF: 55.4/57

In: -0.003+/-0.004 χ^2/NDF:56.2/49

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/105

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

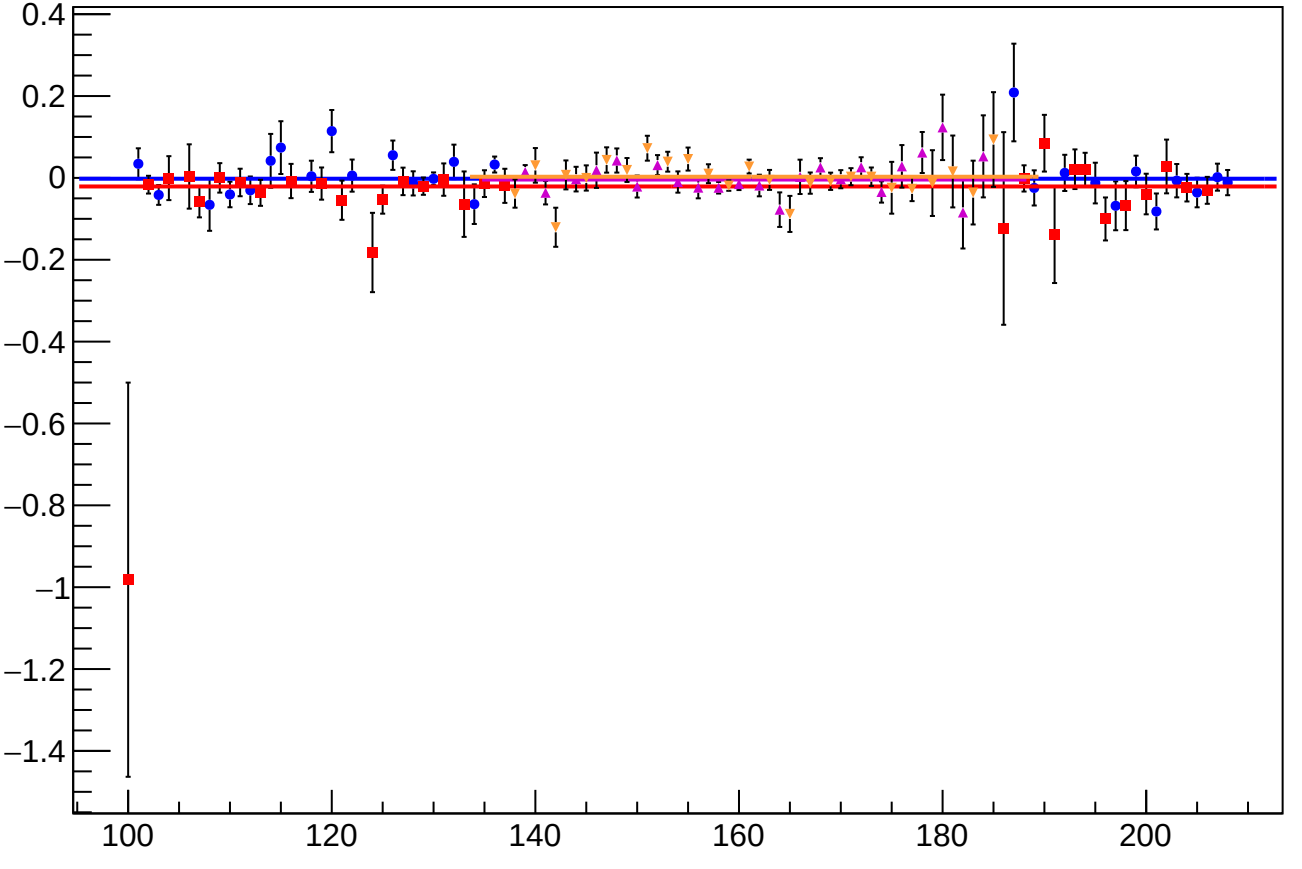
Right: 24.310+/-0.003 χ^2/NDF: 8922885.1/57

In: 21.712+/-0.003 χ^2/NDF:9107807.0/49

Out: 22.678+/-0.003 χ^2/NDF:10540246.6/55

All: 22.179+/-0.002 χ^2/NDF: 19699047.7/105

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

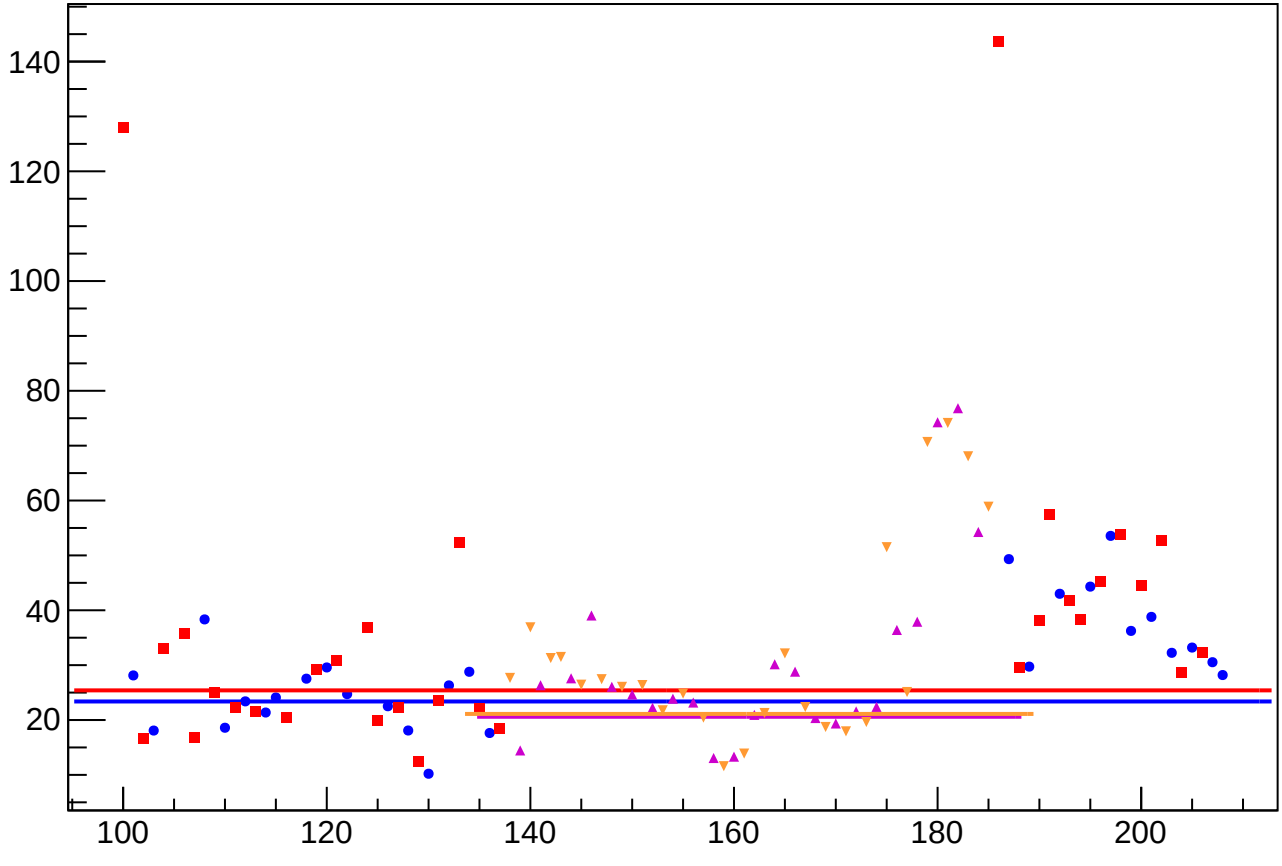
Right: -0.011+/-0.005 χ^2/NDF: 55.4/57

In: -0.003+/-0.004 χ^2/NDF:56.2/49

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/105

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

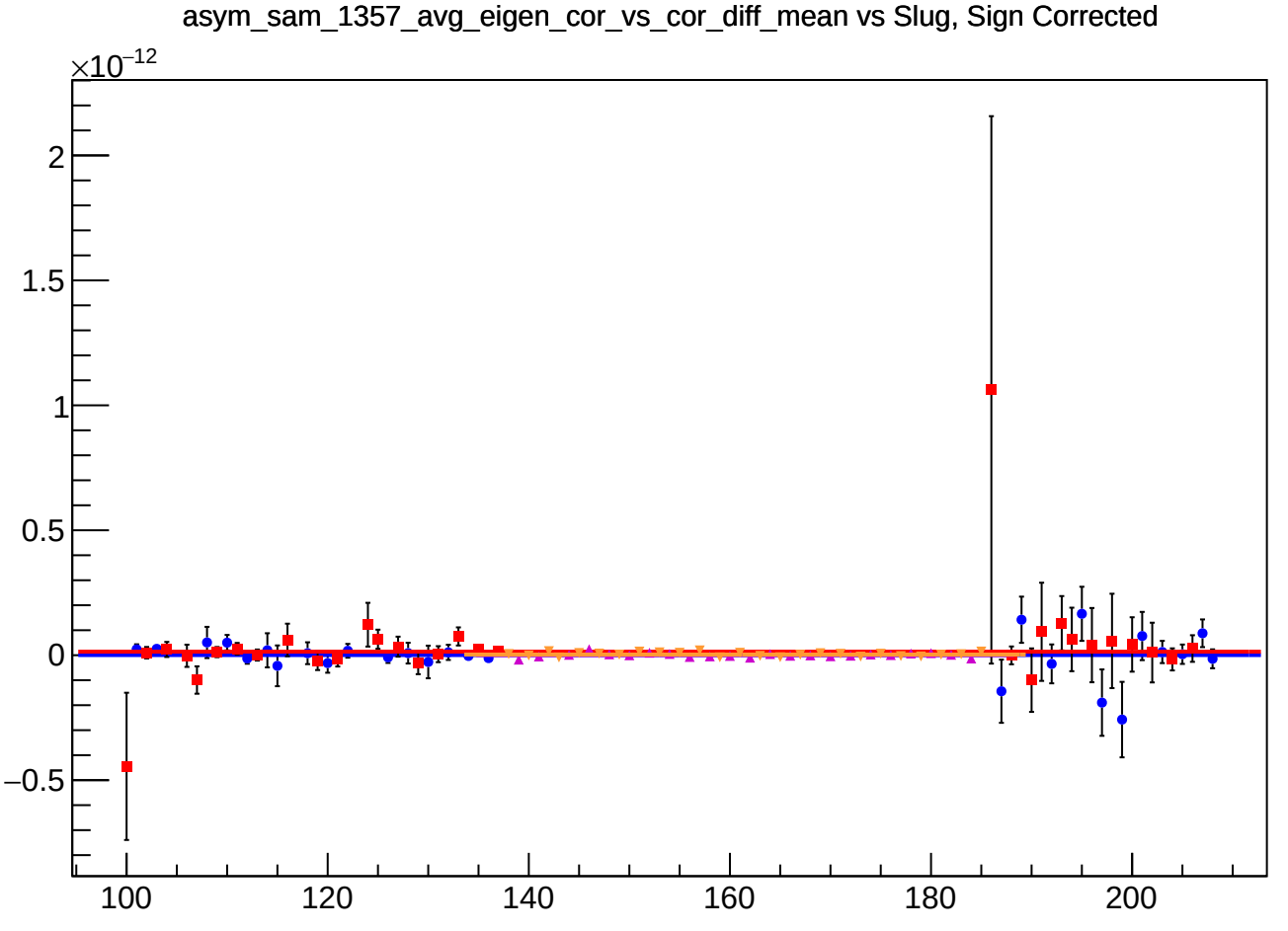
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.310+/-0.003 χ^2/NDF: 8922885.1/57

In: 21.712+/-0.003 χ^2/NDF:9107807.0/49

Out: 22.678+/-0.003 χ^2/NDF:10540246.6/55

All: 22.179+/-0.002 χ^2/NDF: 19699047.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/30

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

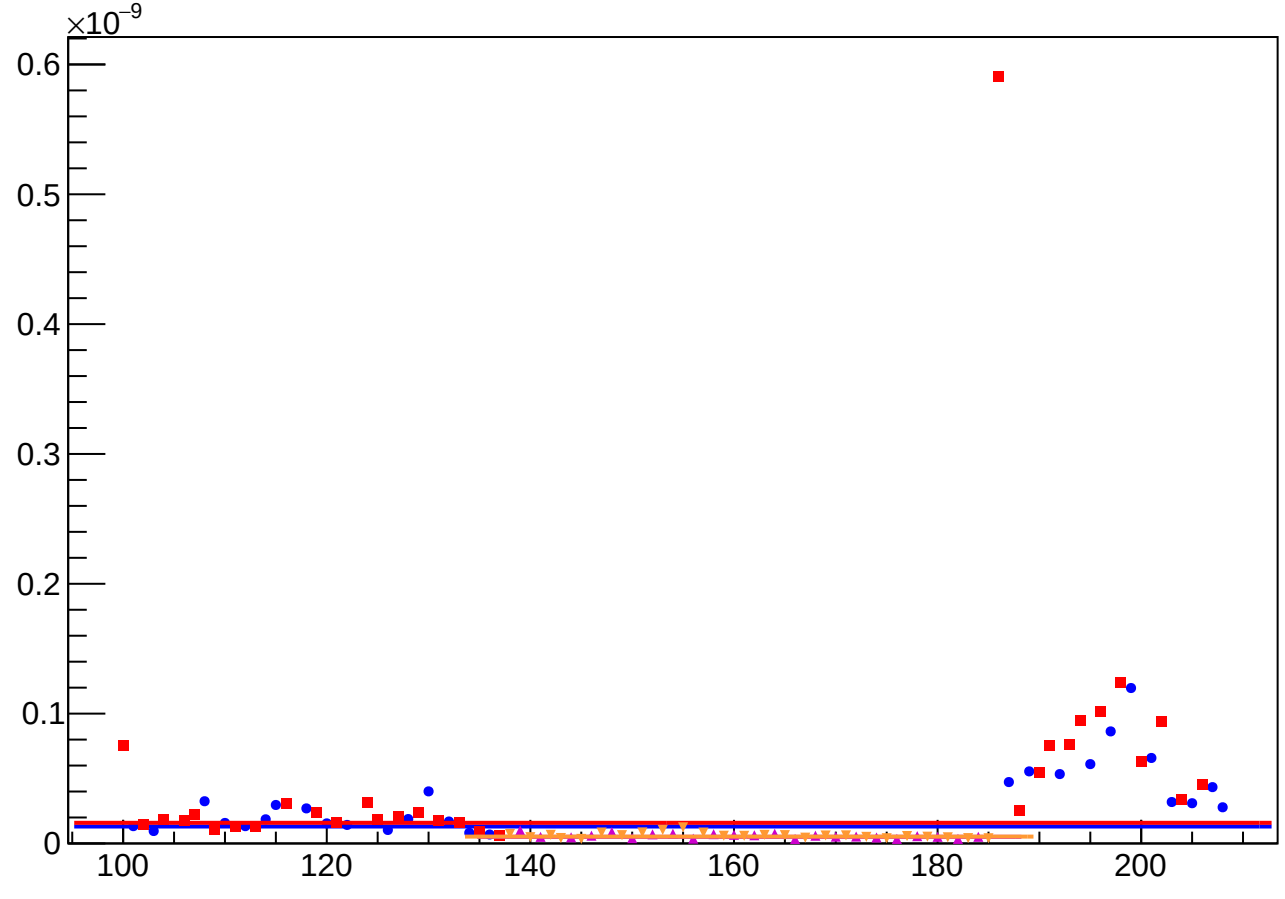
Right: 0.000+/-0.000 χ^2/NDF: 49.3/57

In: 0.000+/-0.000 χ^2/NDF:46.4/49

Out: 0.000+/-0.000 χ^2/NDF:45.5/55

All: 0.000+/-0.000 χ^2/NDF: 93.3/105

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7582265.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7628362.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

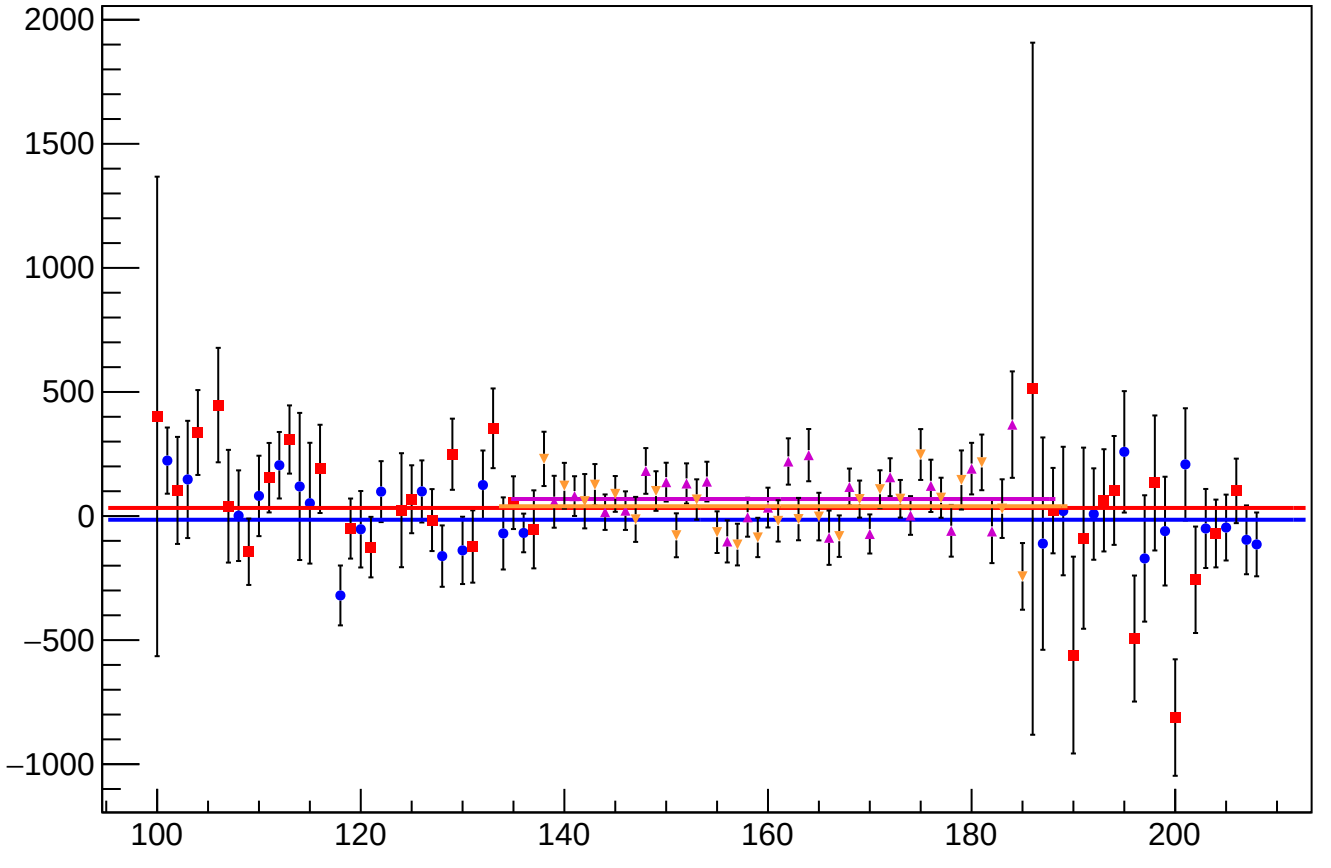
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15449520.3/57

In: 0.000+/-0.000 χ^2/NDF:13353262.3/49

Out: 0.000+/-0.000 χ^2/NDF:15127694.9/55

All: 0.000+/-0.000 χ^2/NDF: 28495858.7/105



Right In: -14.945+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 32.599+/-30.206 χ^2/NDF: 46.7/30

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

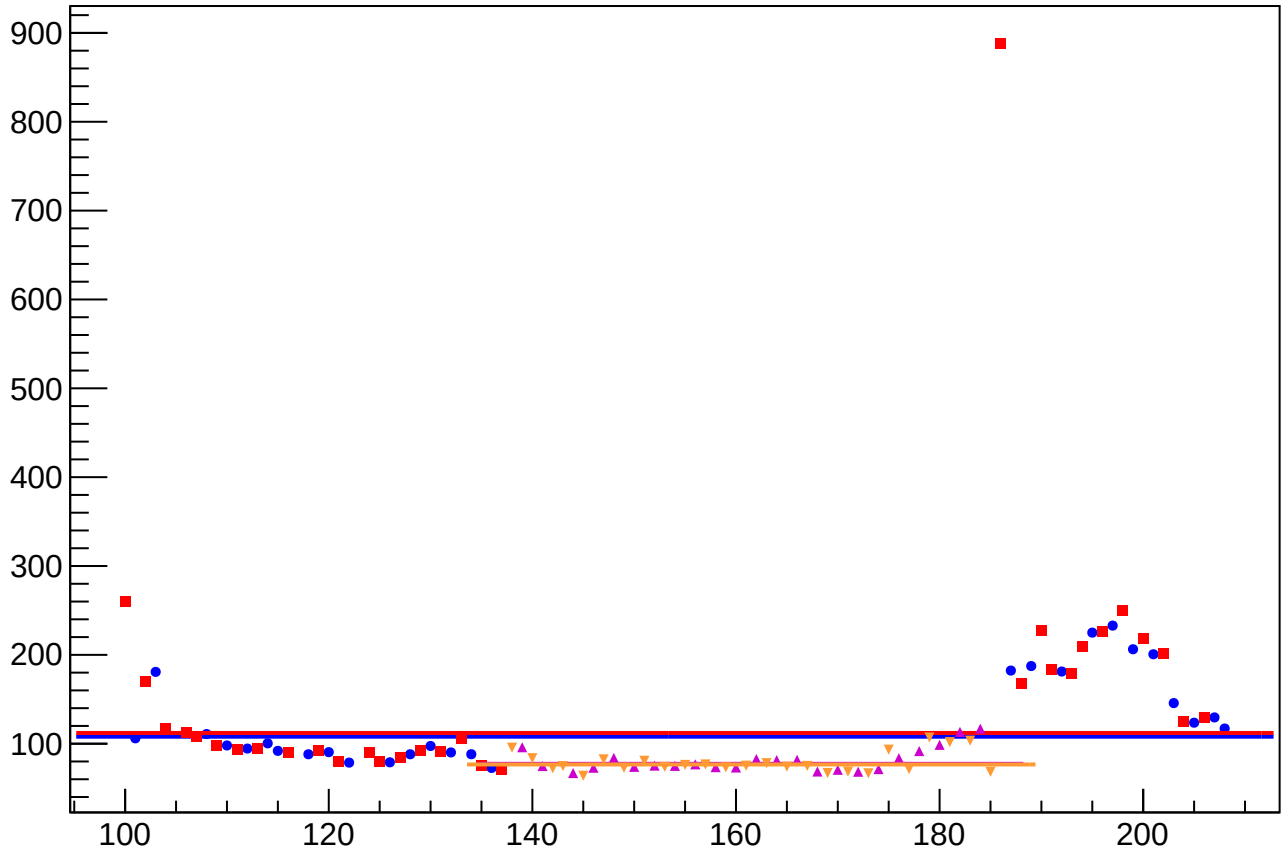
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 7.933+/-20.954 χ^2/NDF: 70.8/57

In: 44.896+/-15.500 χ^2/NDF:57.7/49

Out: 37.724+/-15.250 χ^2/NDF:78.7/55

All: 41.252+/-10.871 χ^2/NDF: 136.5/105



Right In: 107.902+/-0.021 χ^2/NDF: 3514009.6/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 112.098+/-0.021 χ^2/NDF: 4608233.6/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

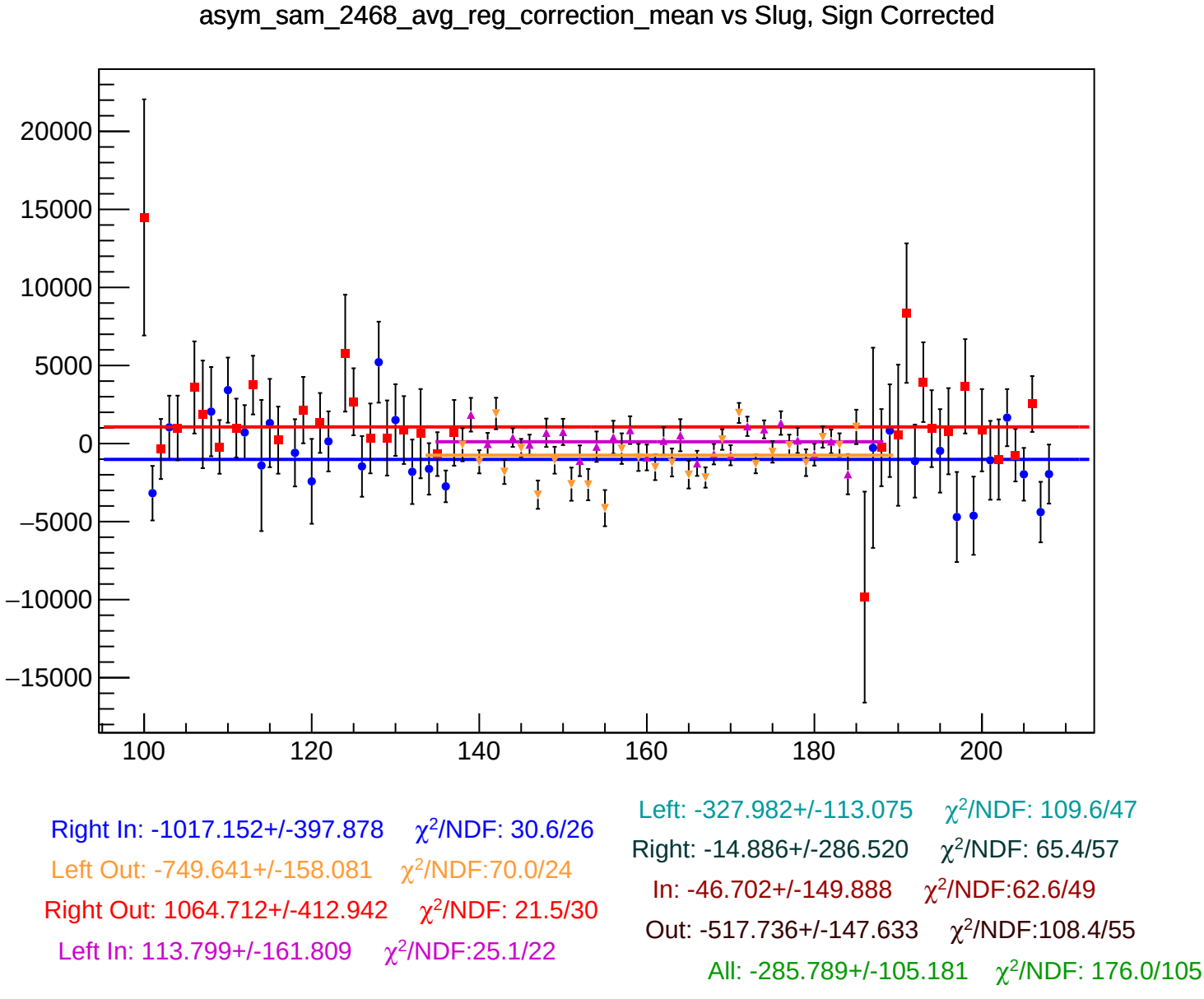
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

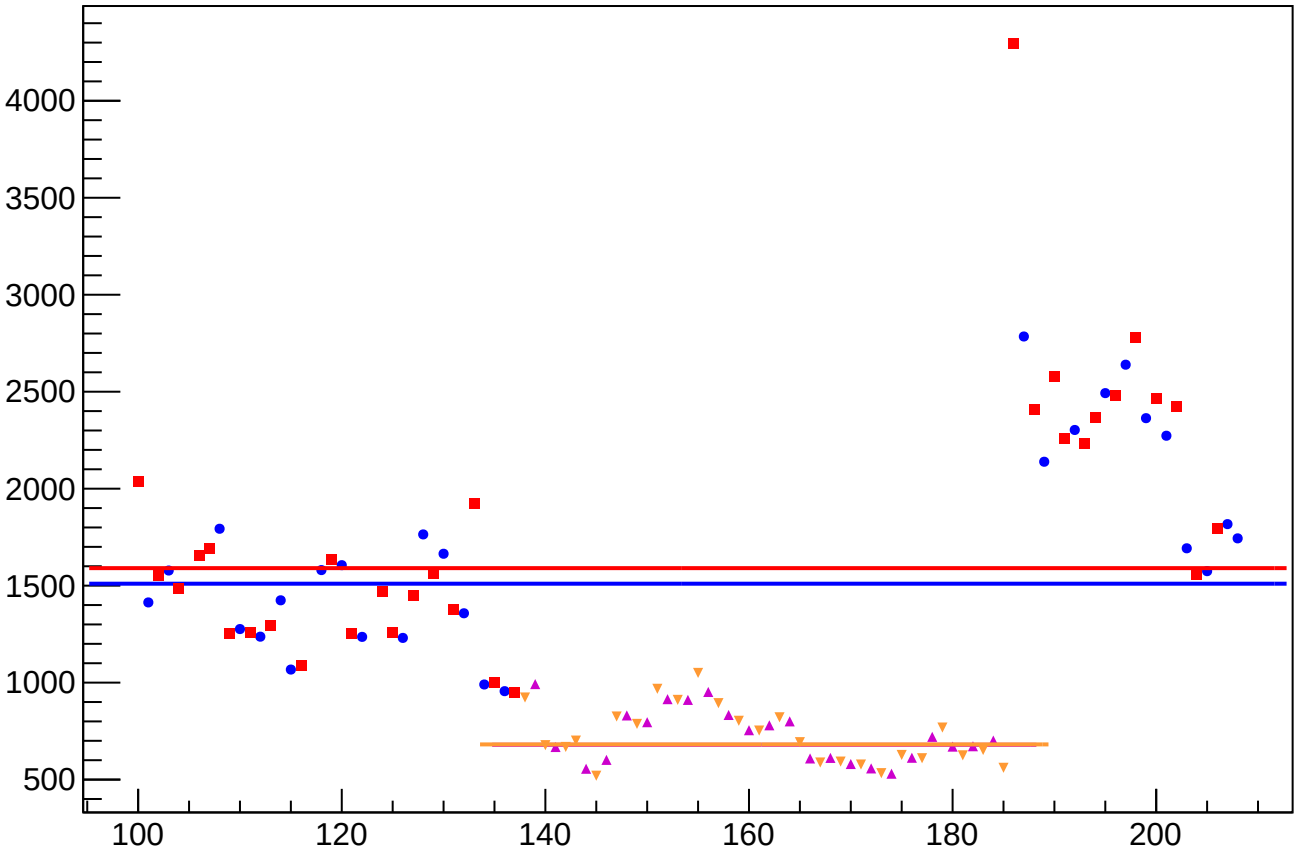
Right: 109.921+/-0.015 χ^2/NDF: 8142263.9/57

In: 86.022+/-0.011 χ^2/NDF:5684235.3/49

Out: 85.682+/-0.011 χ^2/NDF:7315586.2/55

All: 85.849+/-0.008 χ^2/NDF: 13000311.9/105


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1017.152+/-397.878 χ²/NDF: 30.6/26
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1064.712+/-412.942 χ²/NDF: 21.5/30
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: -14.886+/-286.520 χ²/NDF: 65.4/57
In: -46.702+/-149.888 χ²/NDF:62.6/49
Out: -517.736+/-147.633 χ²/NDF:108.4/55
All: -285.789+/-105.181 χ²/NDF: 176.0/105



Right In: 1510.058+/-0.281 χ^2/NDF: 2564458.0/26

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1590.305+/-0.292 χ^2/NDF: 2999117.0/30

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

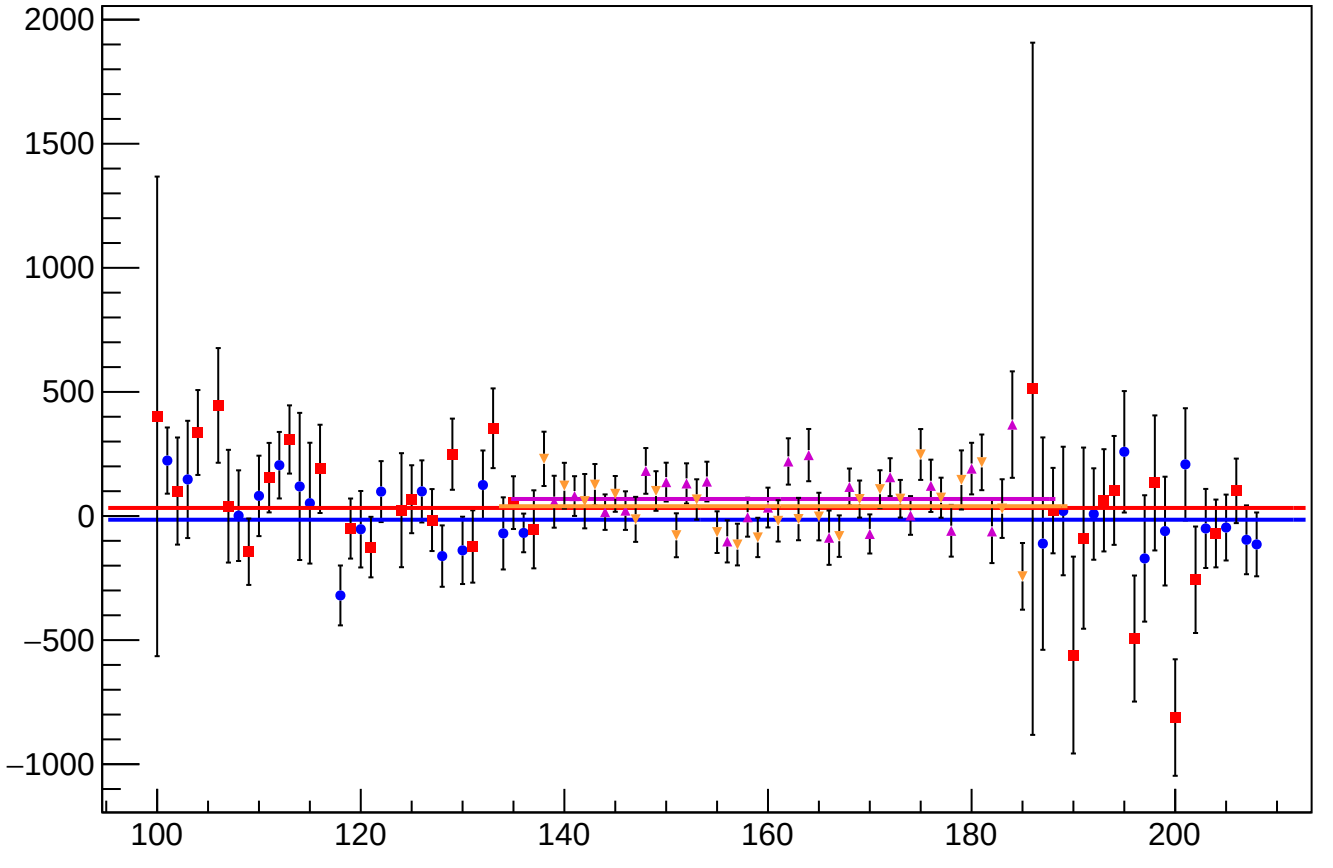
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1548.691+/-0.203 χ^2/NDF: 5602741.9/57

In: 797.296+/-0.106 χ^2/NDF:11229530.6/49

Out: 797.597+/-0.104 χ^2/NDF:12783599.0/55

All: 797.449+/-0.074 χ^2/NDF: 24013133.7/10



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 32.491+/-30.208 χ^2/NDF: 46.7/30

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

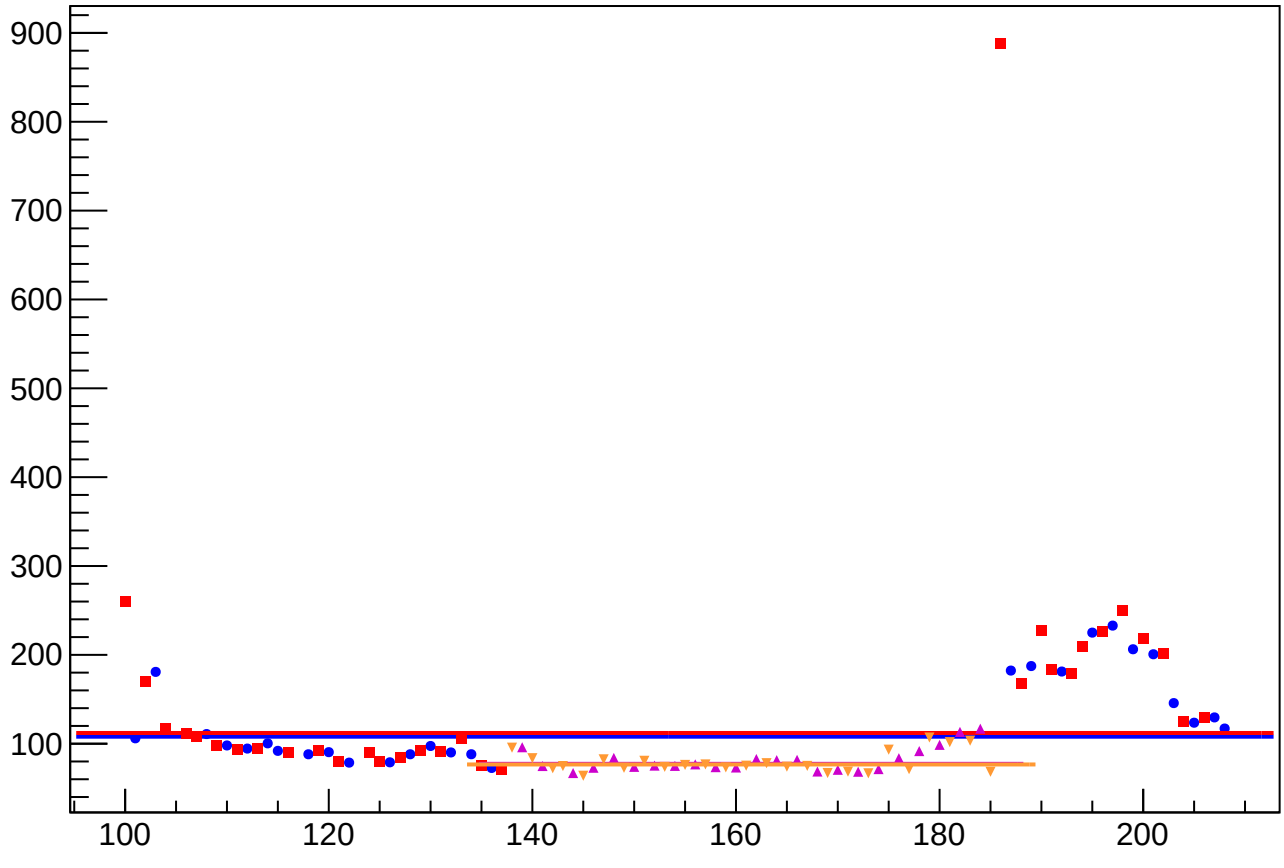
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 7.875+/-20.954 χ^2/NDF: 70.7/57

In: 44.893+/-15.500 χ^2/NDF:57.7/49

Out: 37.702+/-15.250 χ^2/NDF:78.7/55

All: 41.239+/-10.871 χ^2/NDF: 136.4/105



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

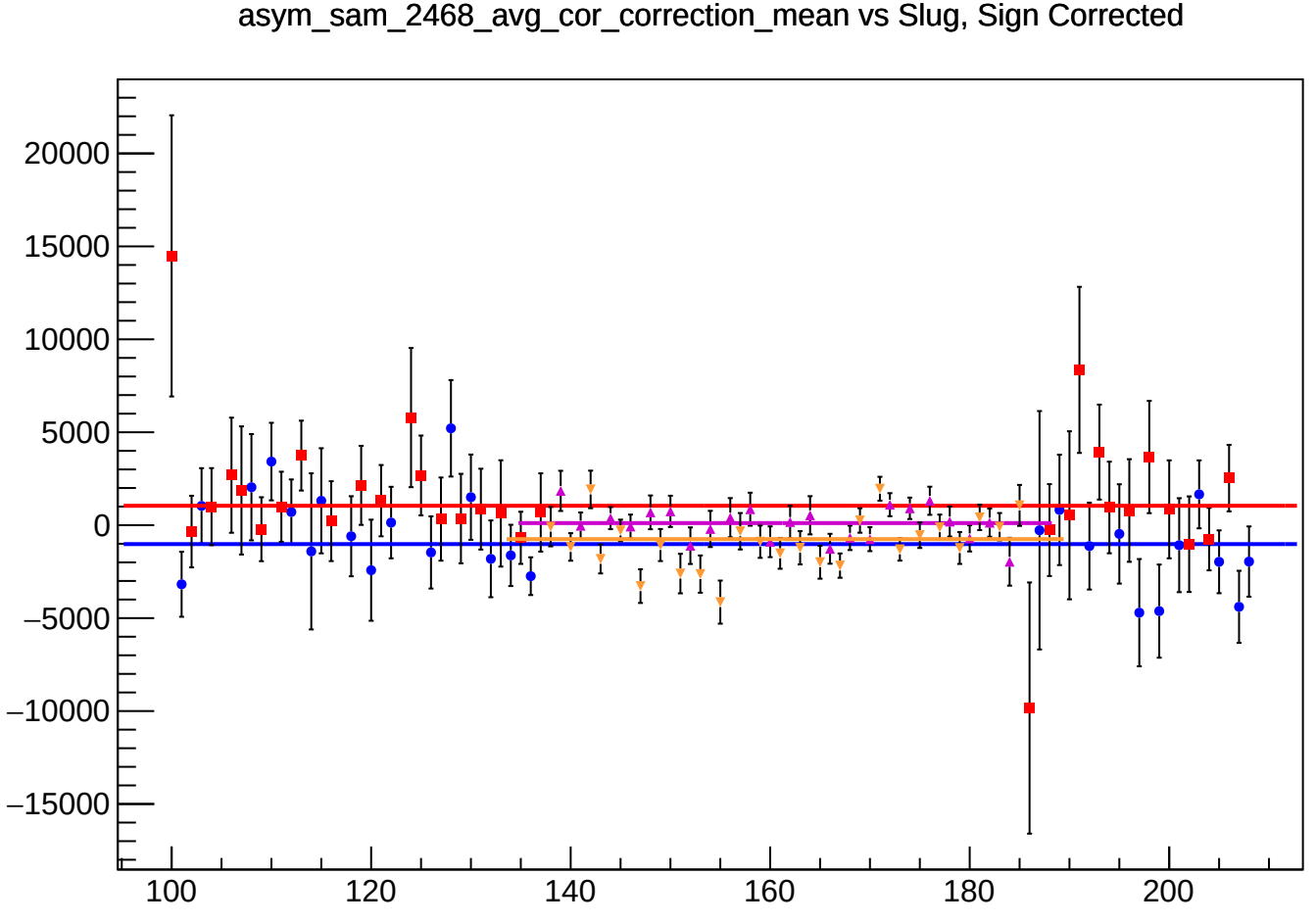
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 109.910+/-0.015 χ^2/NDF: 8142301.7/57

In: 86.022+/-0.011 χ^2/NDF:5684238.9/49

Out: 85.676+/-0.011 χ^2/NDF:7313137.1/55

All: 85.846+/-0.008 χ^2/NDF: 12997884.5/105



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1044.421+/-413.326 χ^2/NDF: 21.1/30

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

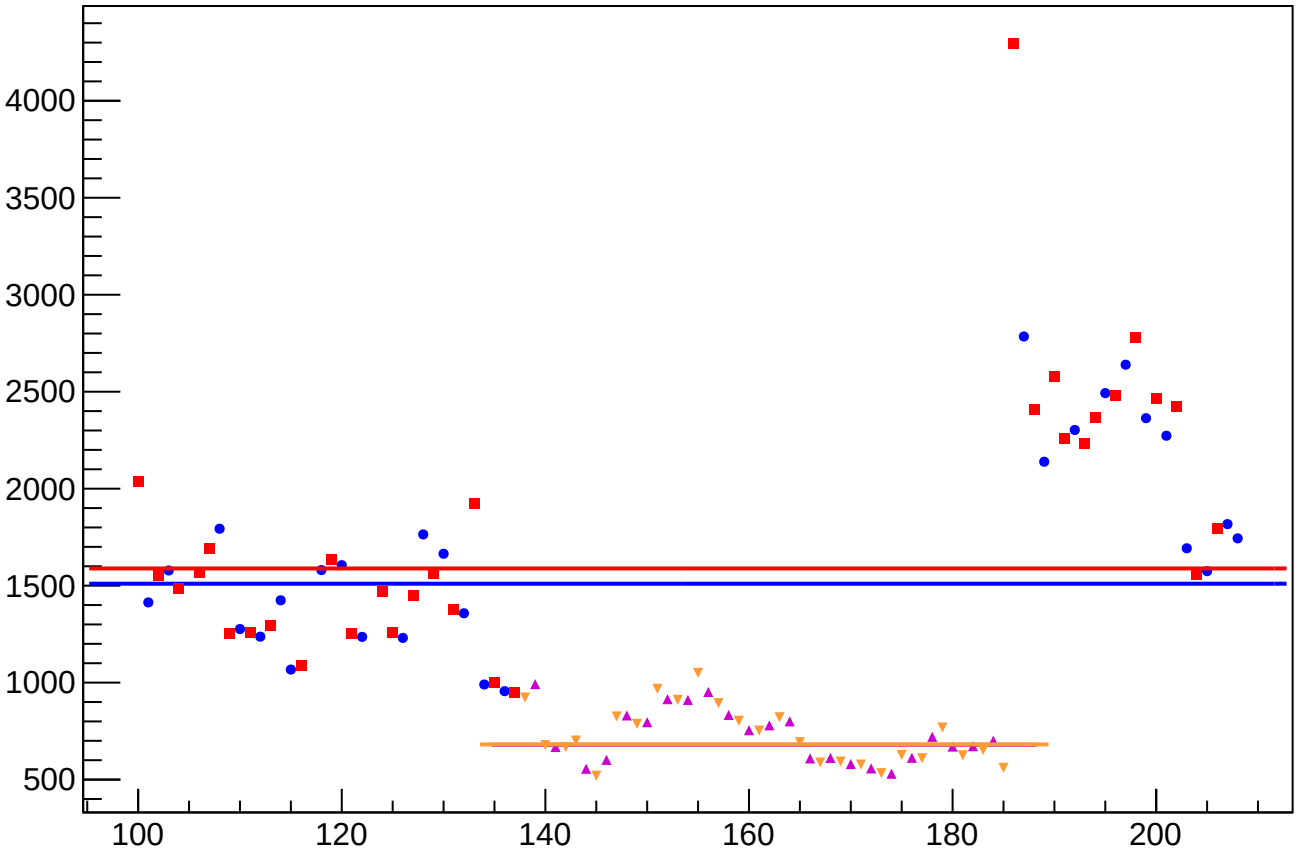
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: -25.599+/-286.648 χ^2/NDF: 64.6/57

In: -46.699+/-149.888 χ^2/NDF:62.6/49

Out: -520.694+/-147.650 χ^2/NDF:107.5/55

All: -287.261+/-105.187 χ^2/NDF: 175.2/105



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

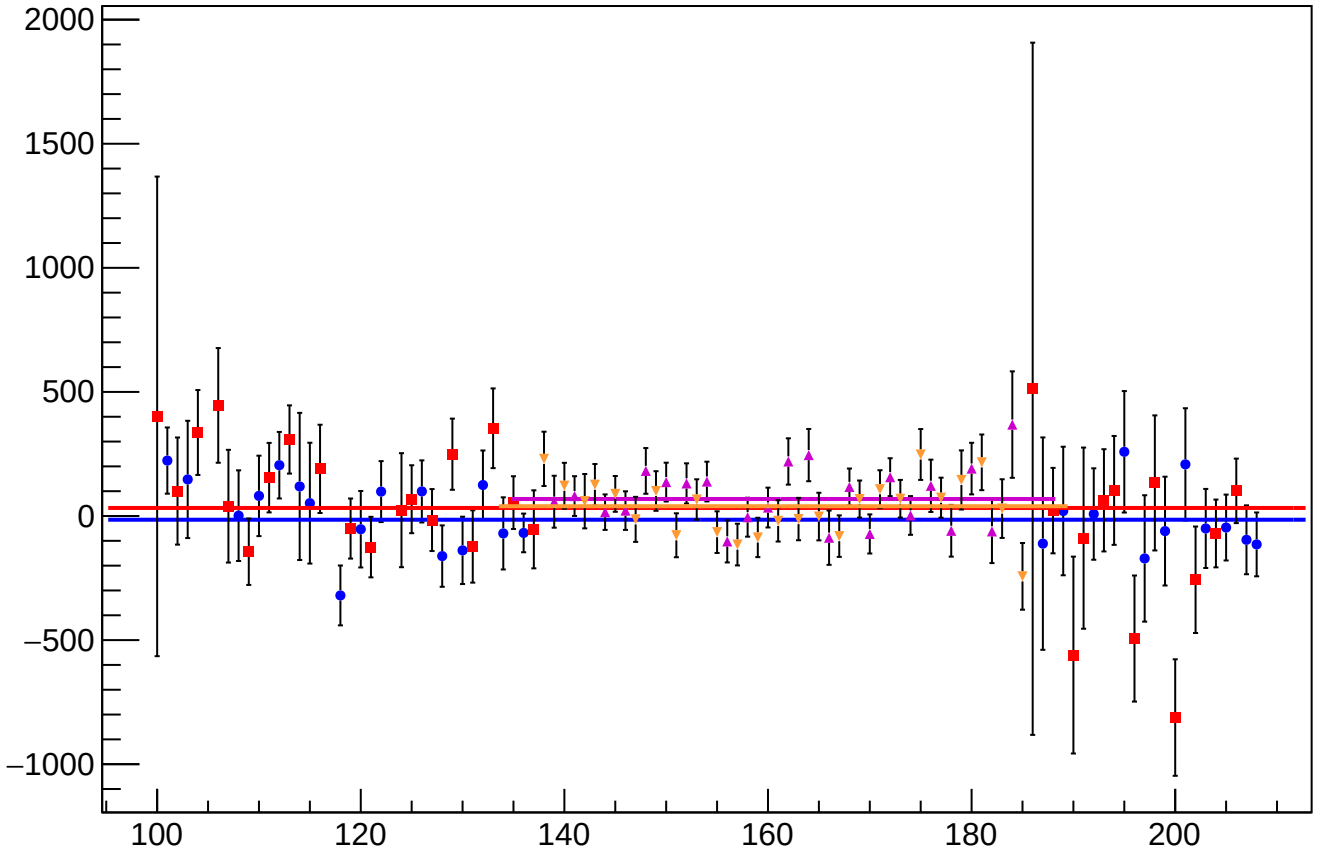
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1547.883+/-0.203 χ^2/NDF: 5600220.6/57

In: 797.297+/-0.106 χ^2/NDF:11229564.1/49

Out: 797.203+/-0.104 χ^2/NDF:12739159.1/55

All: 797.249+/-0.074 χ^2/NDF: 23968723.6/10



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 32.491+/-30.208 χ^2/NDF: 46.7/30

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

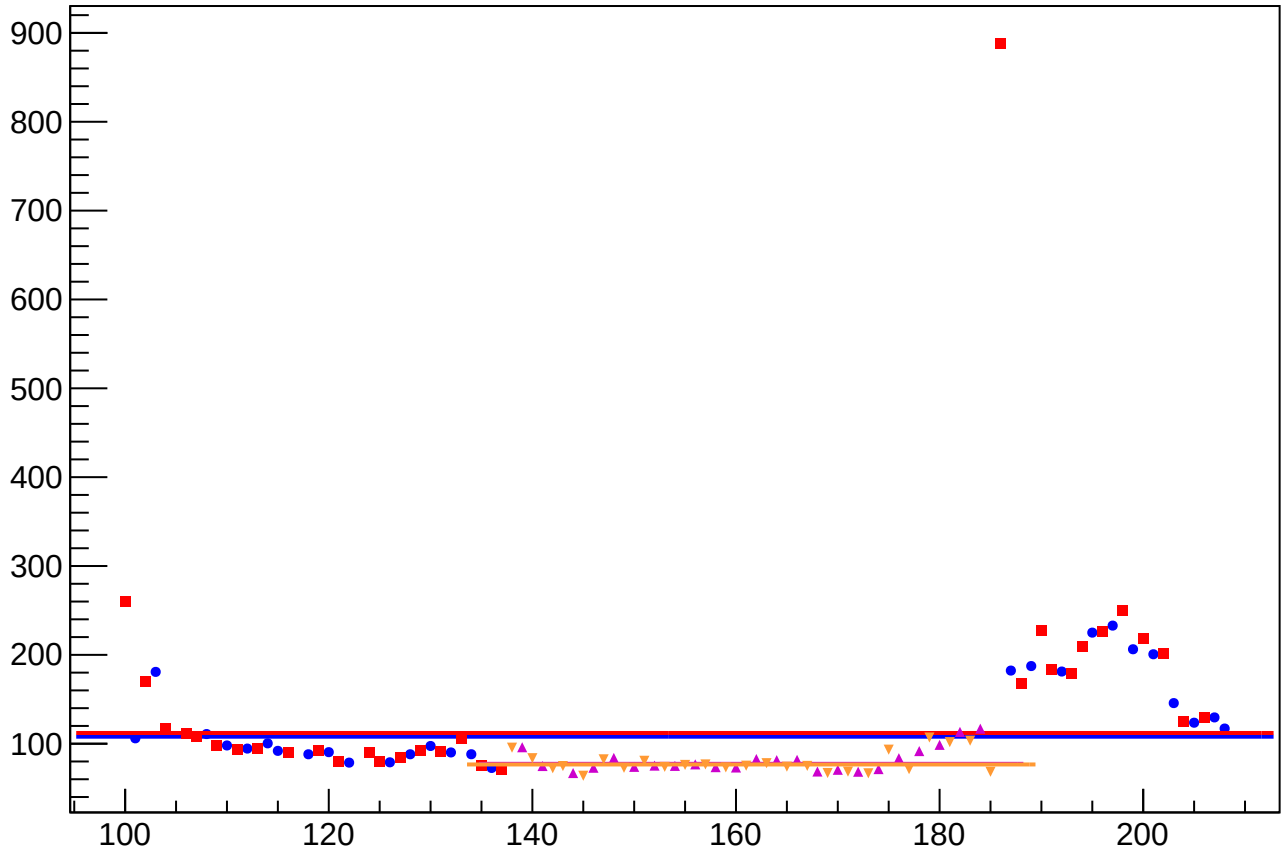
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 7.875+/-20.954 χ^2/NDF: 70.7/57

In: 44.893+/-15.500 χ^2/NDF:57.7/49

Out: 37.702+/-15.250 χ^2/NDF:78.7/55

All: 41.239+/-10.871 χ^2/NDF: 136.4/105



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

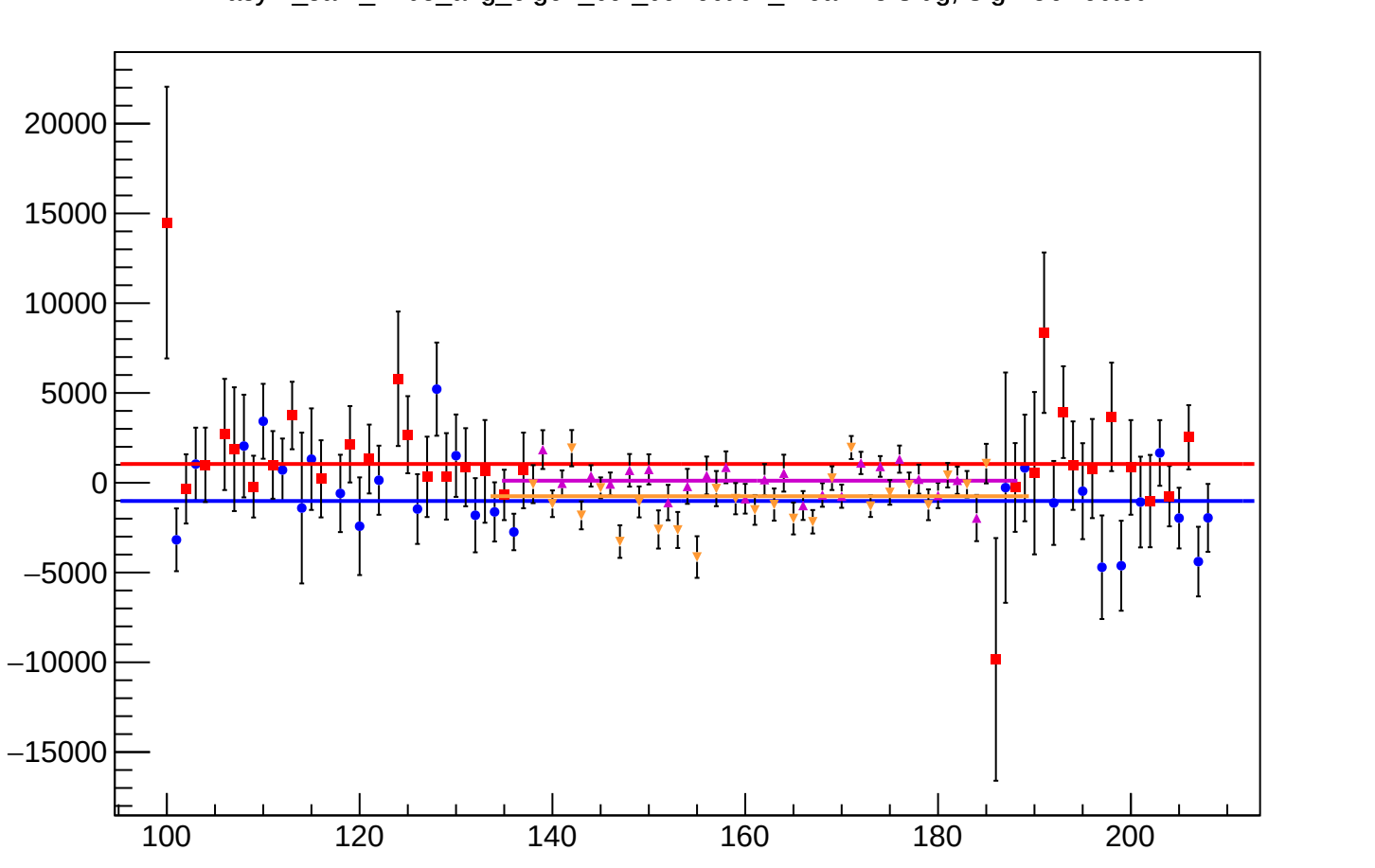
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 109.910+/-0.015 χ^2/NDF: 8142301.7/57

In: 86.022+/-0.011 χ^2/NDF:5684238.9/49

Out: 85.676+/-0.011 χ^2/NDF:7313137.1/55

All: 85.846+/-0.008 χ^2/NDF: 12997884.5/105



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1044.421+/-413.326 χ^2/NDF: 21.1/30

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

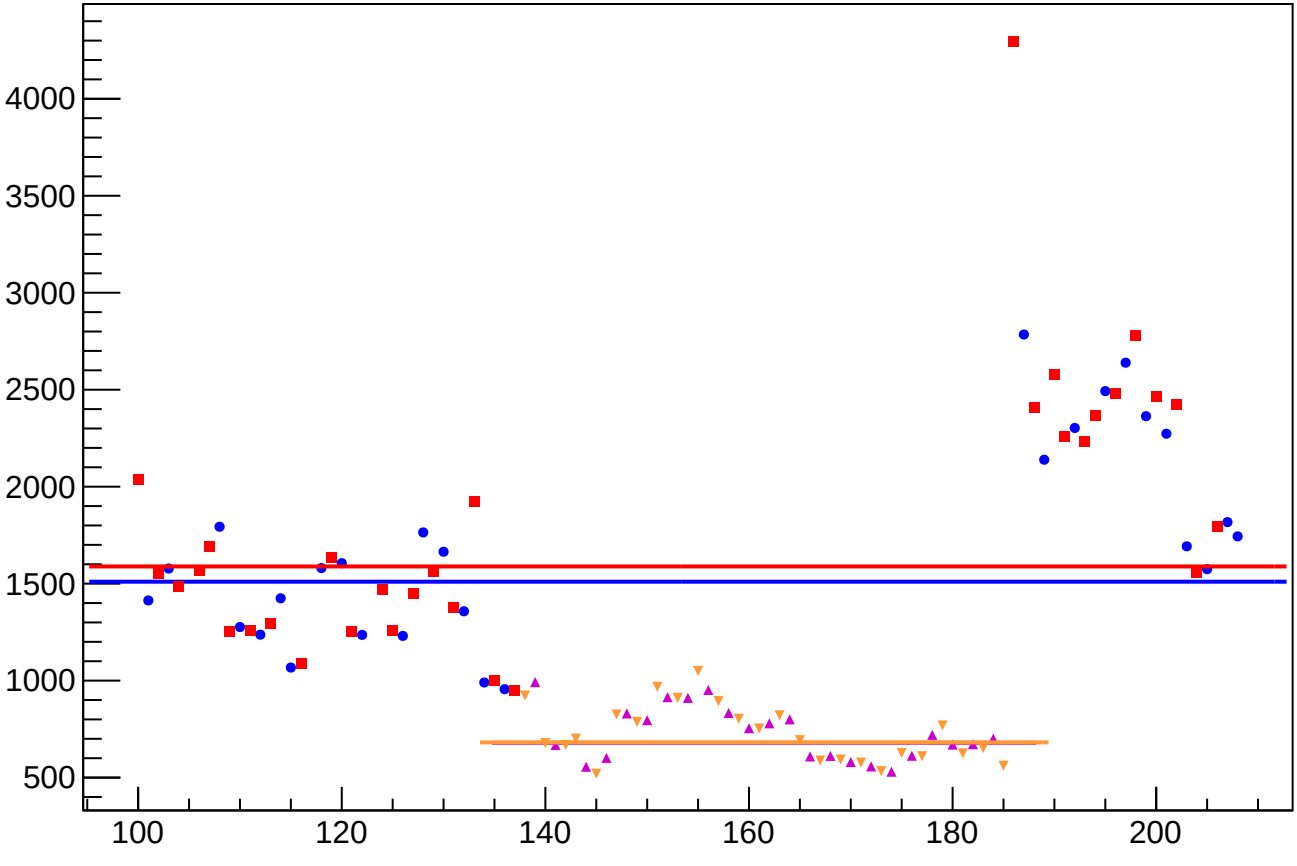
Right: -25.599+/-286.648 χ^2/NDF: 64.6/57

In: -46.699+/-149.888 χ^2/NDF:62.6/49

Out: -520.694+/-147.650 χ^2/NDF:107.5/55

All: -287.261+/-105.187 χ^2/NDF: 175.2/105

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

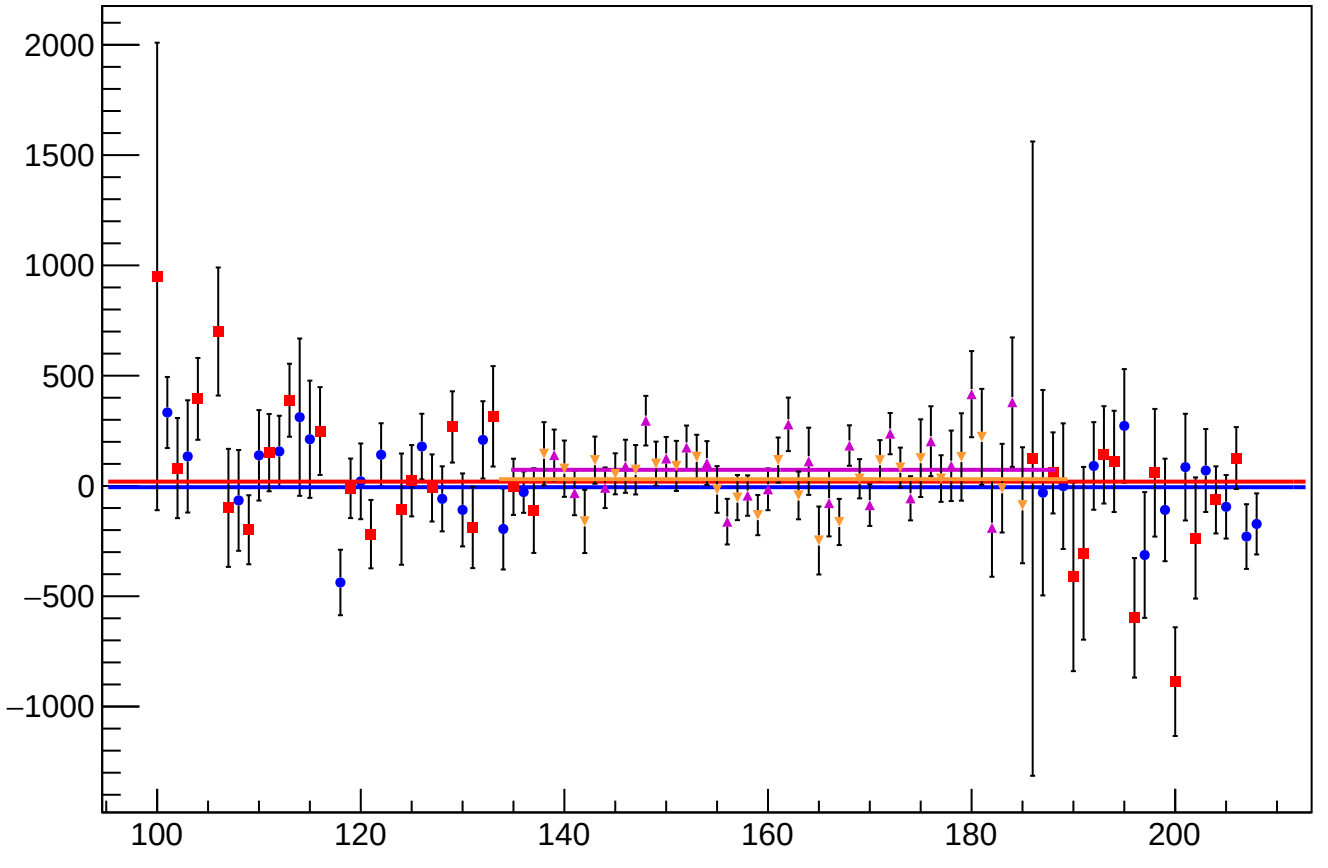
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1547.883+/-0.203 χ^2/NDF: 5600220.6/57

In: 797.297+/-0.106 χ^2/NDF:11229564.1/49

Out: 797.203+/-0.104 χ^2/NDF:12739159.1/55

All: 797.249+/-0.074 χ^2/NDF: 23968723.6/10



Right In: -5.641+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 19.703+/-35.121 χ^2/NDF: 50.7/30

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

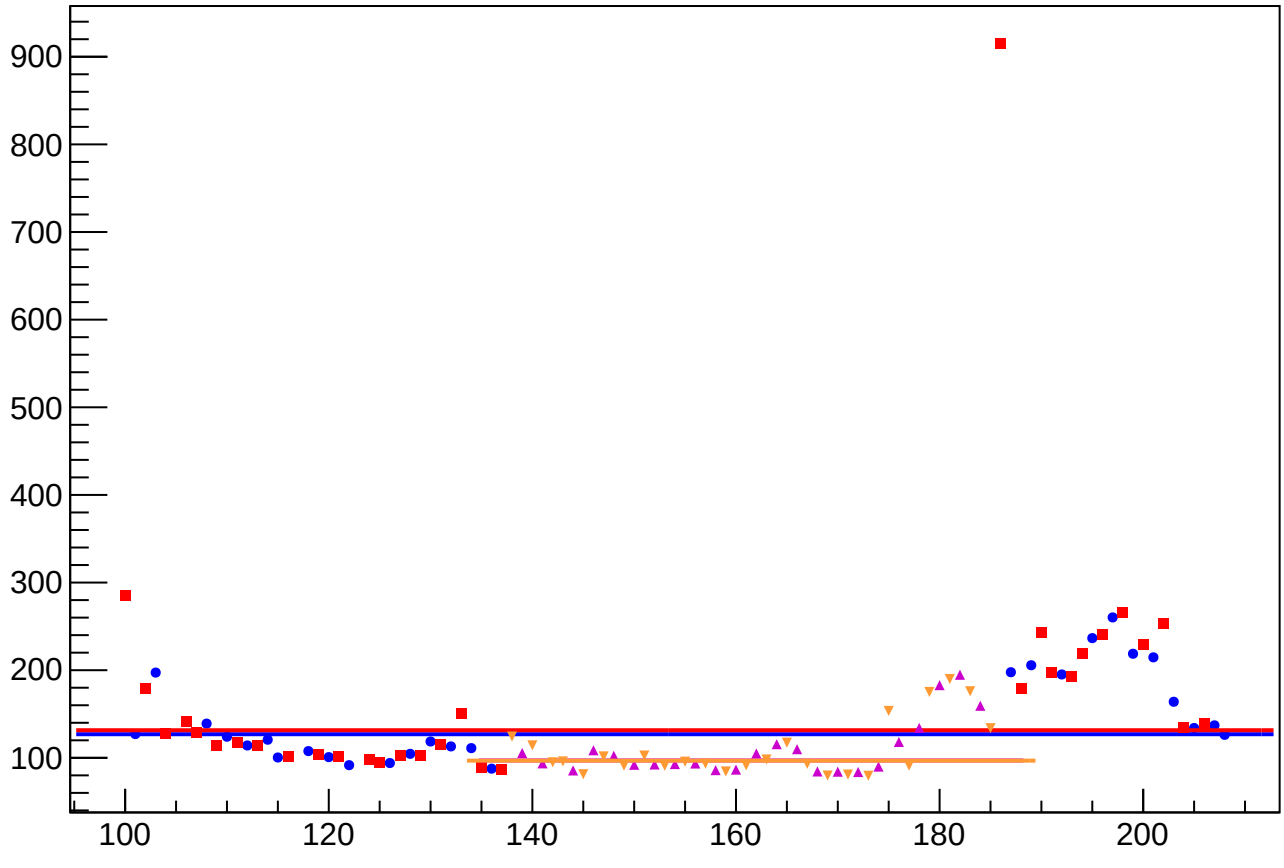
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 6.592+/-24.400 χ^2/NDF: 80.1/57

In: 47.585+/-19.324 χ^2/NDF:67.3/49

Out: 27.417+/-19.157 χ^2/NDF:70.7/55

All: 37.413+/-13.604 χ^2/NDF: 138.5/105



Right In: 126.950+/-0.024 χ^2/NDF: 2821920.4/26

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 131.502+/-0.025 χ^2/NDF: 3875112.9/30

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

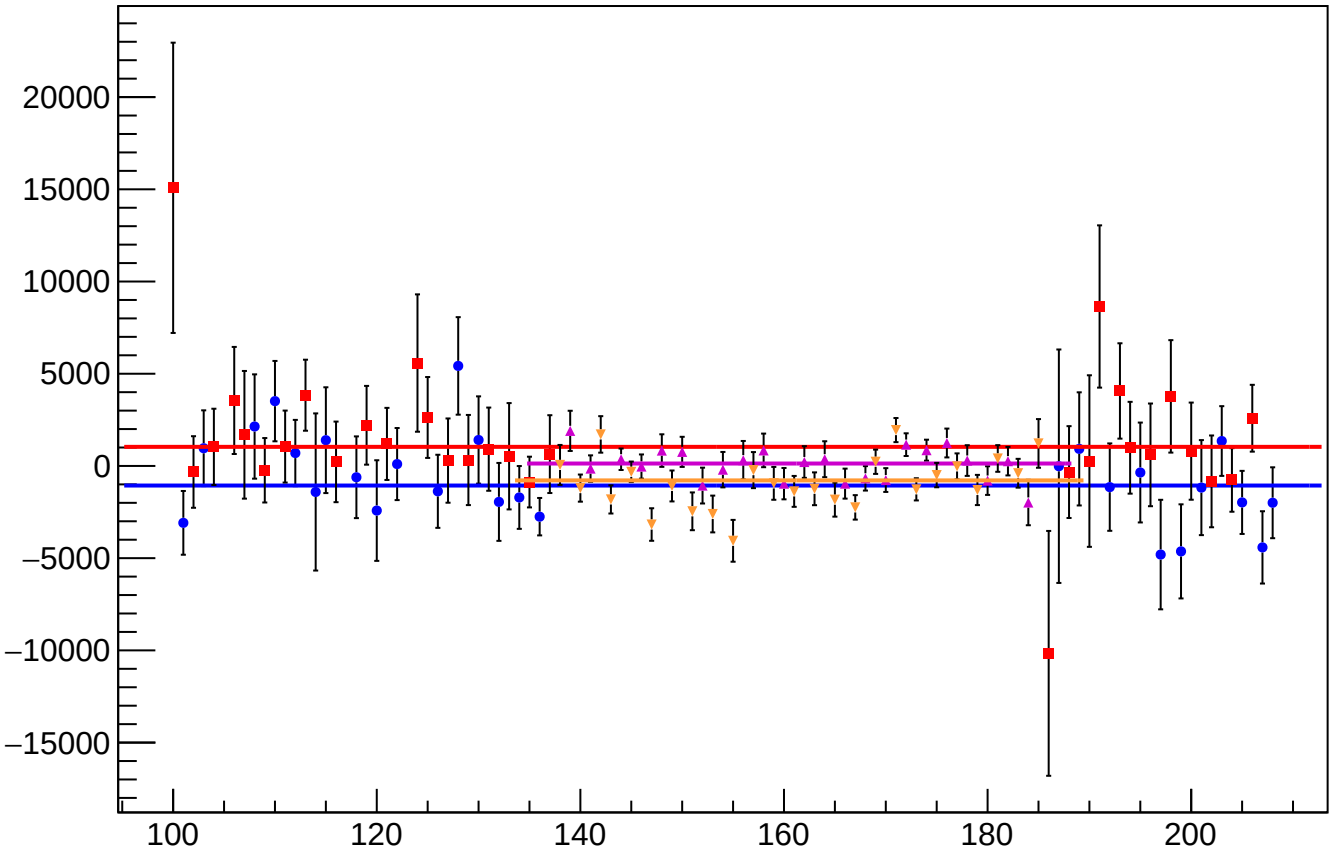
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 129.147+/-0.017 χ^2/NDF: 6714414.5/57

In: 106.728+/-0.014 χ^2/NDF:5194967.3/49

Out: 107.120+/-0.014 χ^2/NDF:6967597.1/55

All: 106.926+/-0.010 χ^2/NDF: 12162978.8/10



Right In: -1062.016+/-404.015 χ^2/NDF: 29.8/26

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1035.567+/-416.855 χ^2/NDF: 22.5/30

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

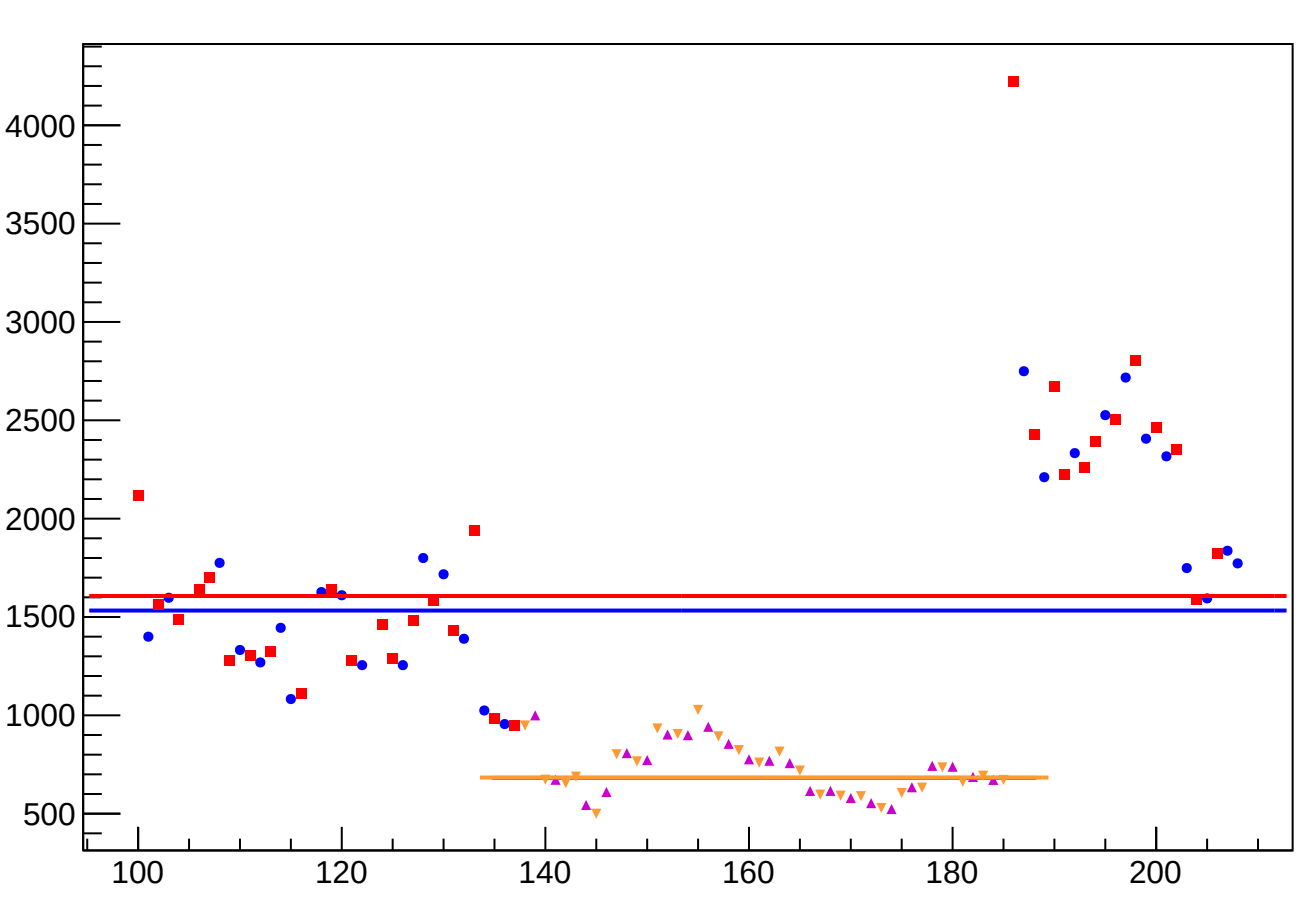
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

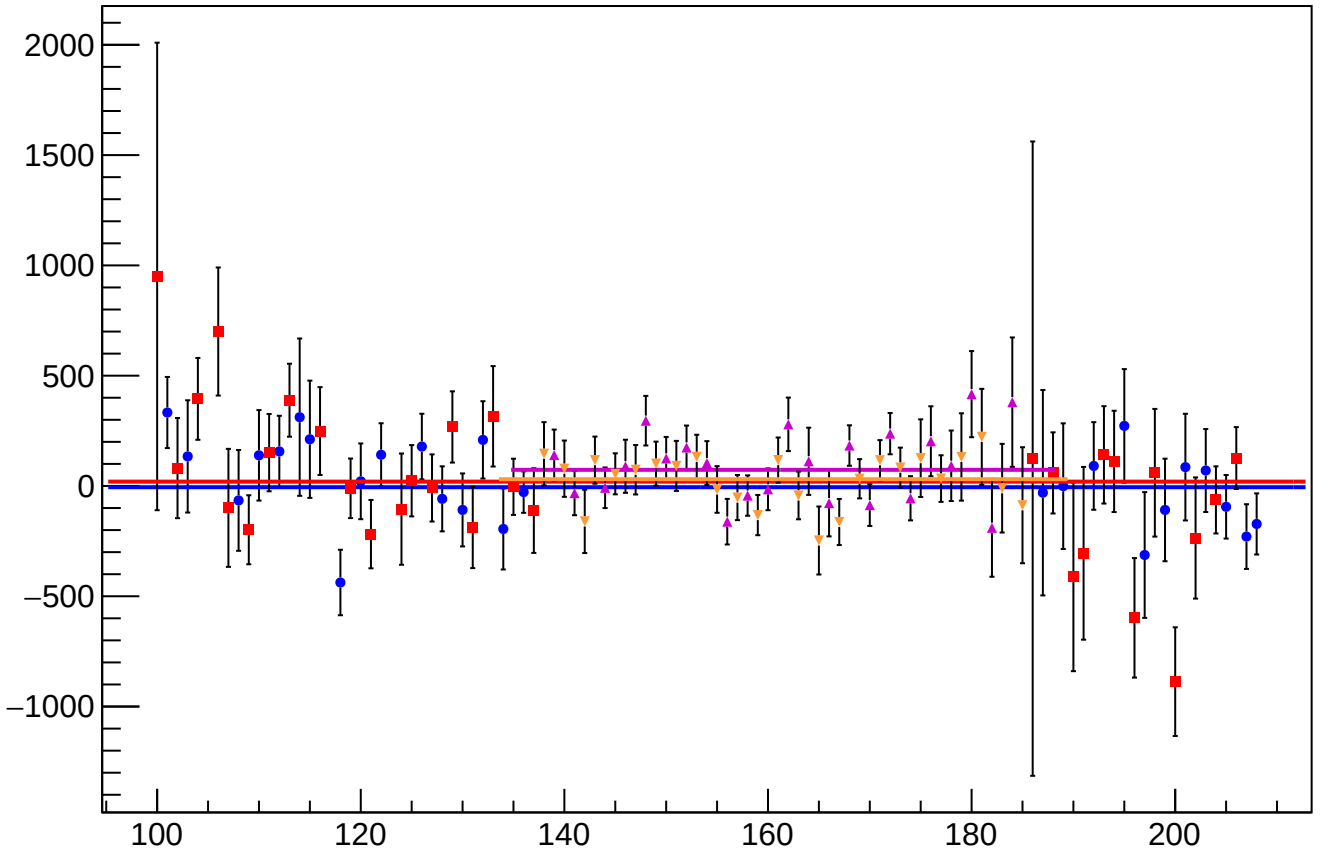
Right: -46.025+/-290.115 χ^2/NDF: 65.3/57

In: -34.638+/-150.690 χ^2/NDF:61.5/49

Out: -554.387+/-148.012 χ^2/NDF:105.5/55

All: -299.172+/-105.594 χ^2/NDF: 173.1/105


asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1532.773+/-0.286 χ²/NDF: 2605660.5/26
Left Out: 683.698+/-0.112 χ²/NDF:1297969.4/24
Right Out: 1606.691+/-0.295 χ²/NDF: 2971013.0/30
Left In: 681.961+/-0.115 χ²/NDF:1186135.0/22
Left: 682.852+/-0.080 χ²/NDF: 2484221.6/47
Right: 1568.576+/-0.205 χ²/NDF: 5609100.6/57
In: 800.322+/-0.107 χ²/NDF:11427457.5/49
Out: 800.063+/-0.105 χ²/NDF:12838033.8/55
All: 800.190+/-0.075 χ²/NDF: 24265494.3/10



Right In: -5.639+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 19.702+/-35.121 χ^2/NDF: 50.7/30

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

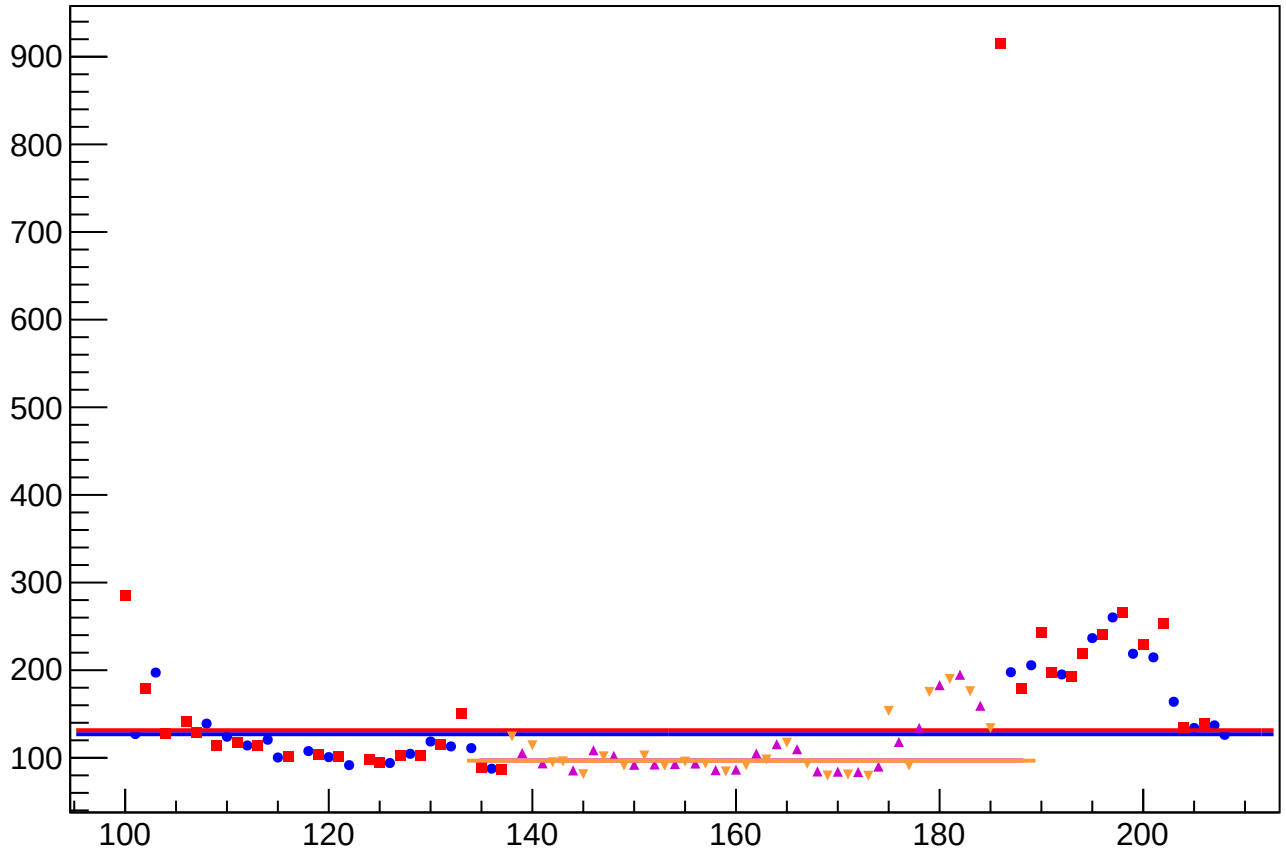
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 6.592+/-24.400 χ^2/NDF: 80.1/57

In: 47.584+/-19.324 χ^2/NDF:67.3/49

Out: 27.417+/-19.157 χ^2/NDF:70.7/55

All: 37.413+/-13.604 χ^2/NDF: 138.5/105



Right In: 126.949+/-0.024 χ^2/NDF: 2821939.0/26

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 131.501+/-0.025 χ^2/NDF: 3875149.5/30

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

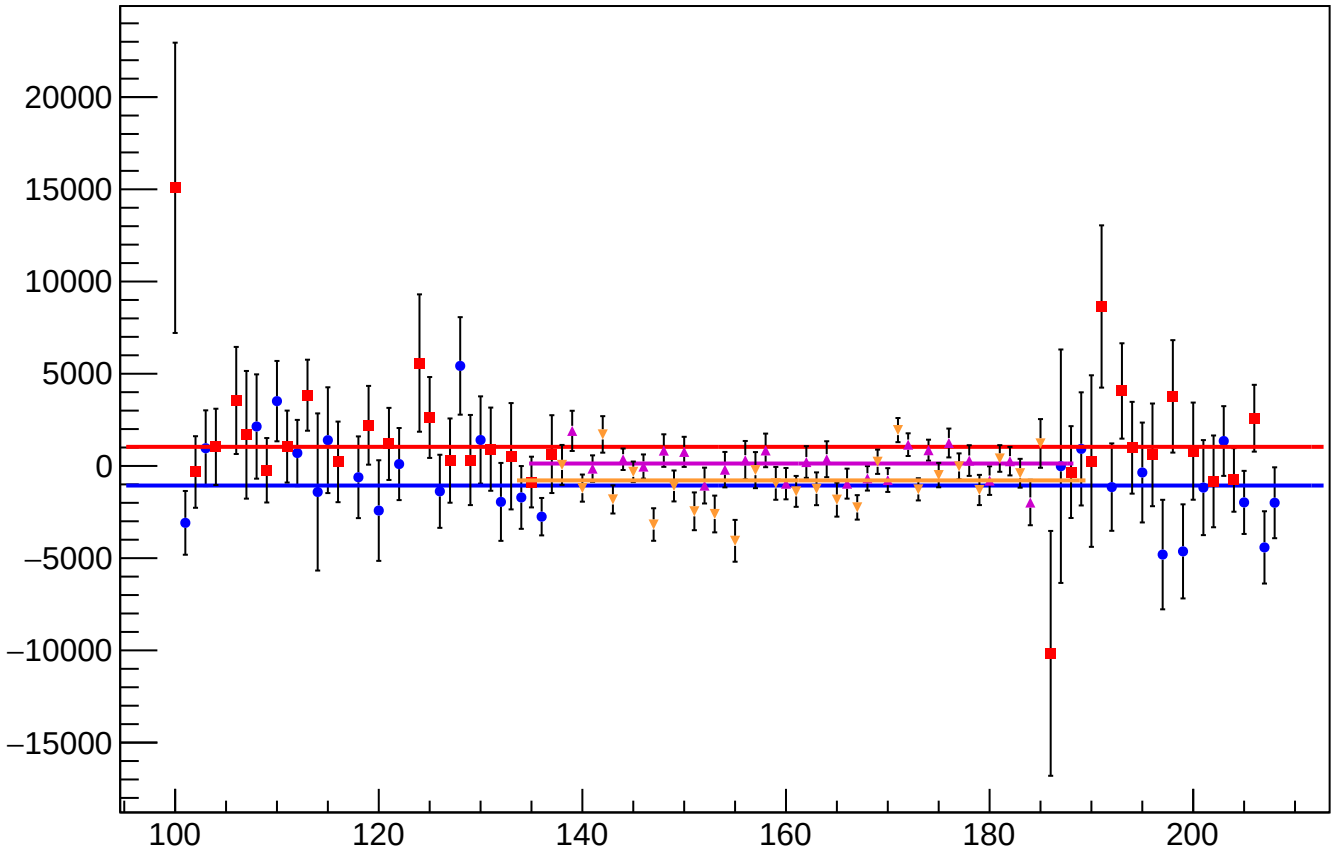
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 129.146+/-0.017 χ^2/NDF: 6714470.2/57

In: 106.728+/-0.014 χ^2/NDF:5194905.5/49

Out: 107.120+/-0.014 χ^2/NDF:6967566.2/55

All: 106.926+/-0.010 χ^2/NDF: 12162886.2/10



Right In: -1062.010+/-404.014 χ^2/NDF: 29.8/26

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1035.567+/-416.854 χ^2/NDF: 22.5/30

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

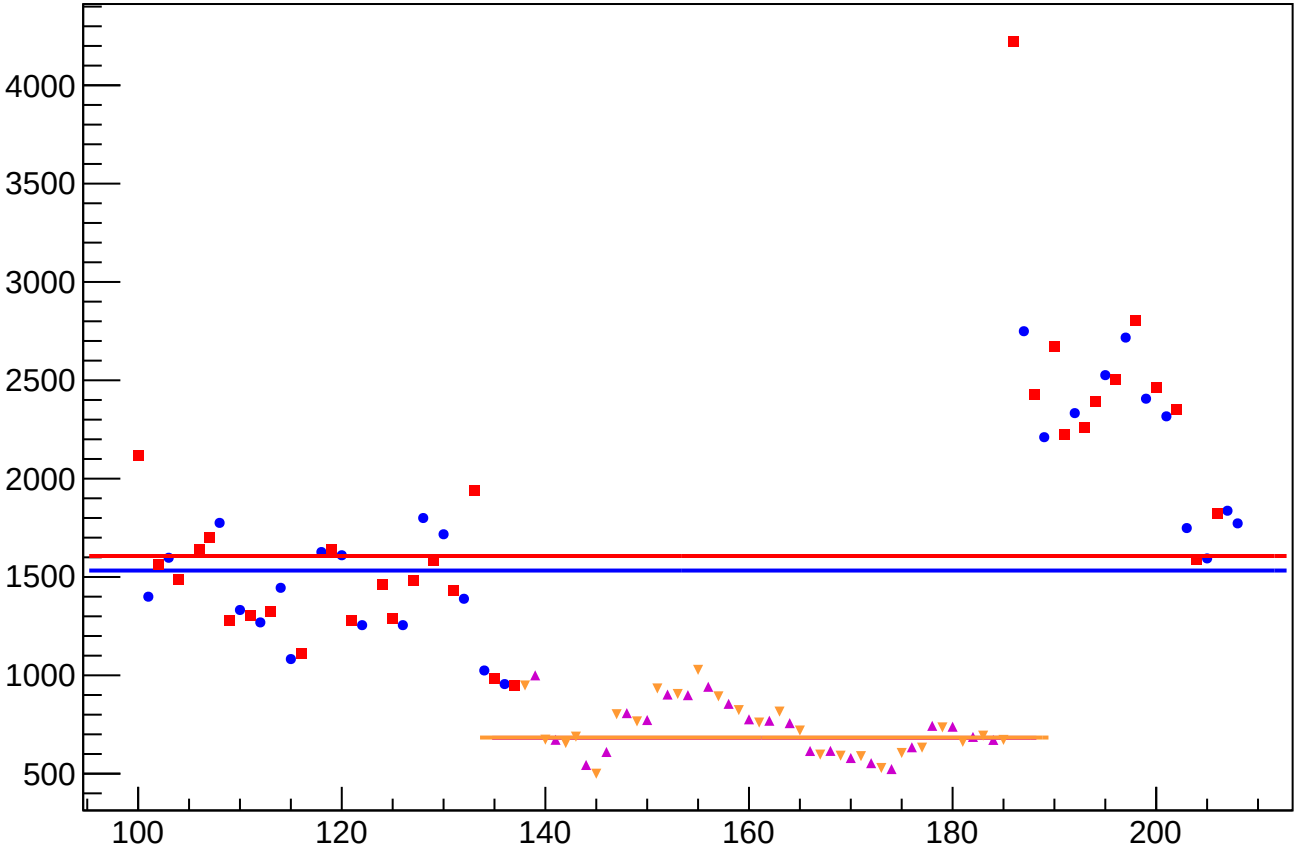
Right: -46.022+/-290.114 χ^2/NDF: 65.3/57

In: -34.638+/-150.689 χ^2/NDF:61.5/49

Out: -554.386+/-148.012 χ^2/NDF:105.5/55

All: -299.171+/-105.594 χ^2/NDF: 173.1/105

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1532.770+/-0.286 χ^2/NDF: 2605668.3/26

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1606.688+/-0.295 χ^2/NDF: 2971023.3/30

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

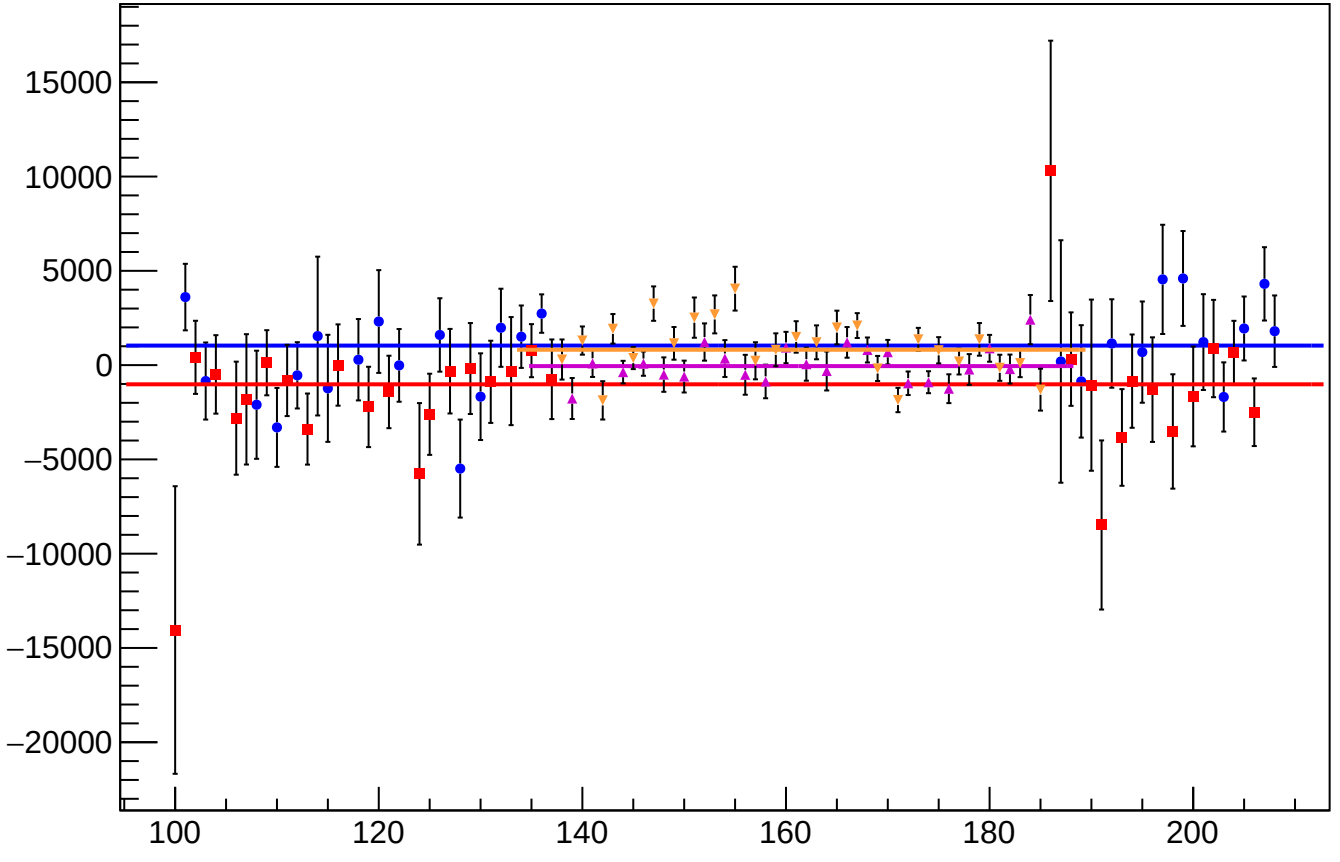
Right: 1568.573+/-0.205 χ^2/NDF: 5609118.6/57

In: 800.320+/-0.107 χ^2/NDF:11427470.9/49

Out: 800.061+/-0.105 χ^2/NDF:12838051.0/55

All: 800.188+/-0.075 χ^2/NDF: 24265524.9/10

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1035.510+/-399.305 χ^2/NDF: 30.8/26

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1018.096+/-414.405 χ^2/NDF: 20.5/30

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

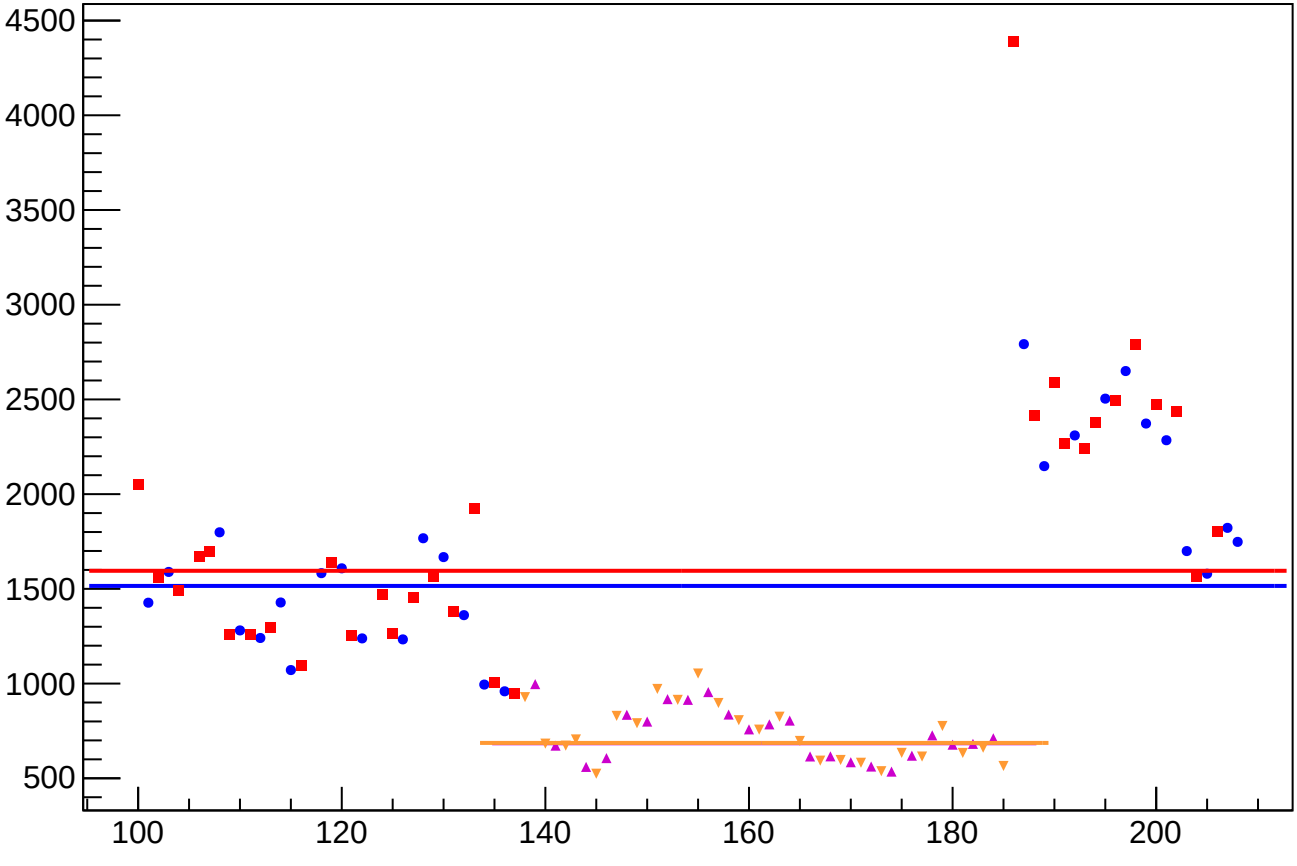
Right: 46.802+/-287.541 χ^2/NDF: 64.1/57

In: 103.143+/-150.939 χ^2/NDF:62.5/49

Out: 578.301+/-148.657 χ^2/NDF:103.3/55

All: 344.342+/-105.914 χ^2/NDF: 170.9/105

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1515.476+/-0.282 χ^2/NDF: 2565547.5/26

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1595.377+/-0.293 χ^2/NDF: 3011511.8/30

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

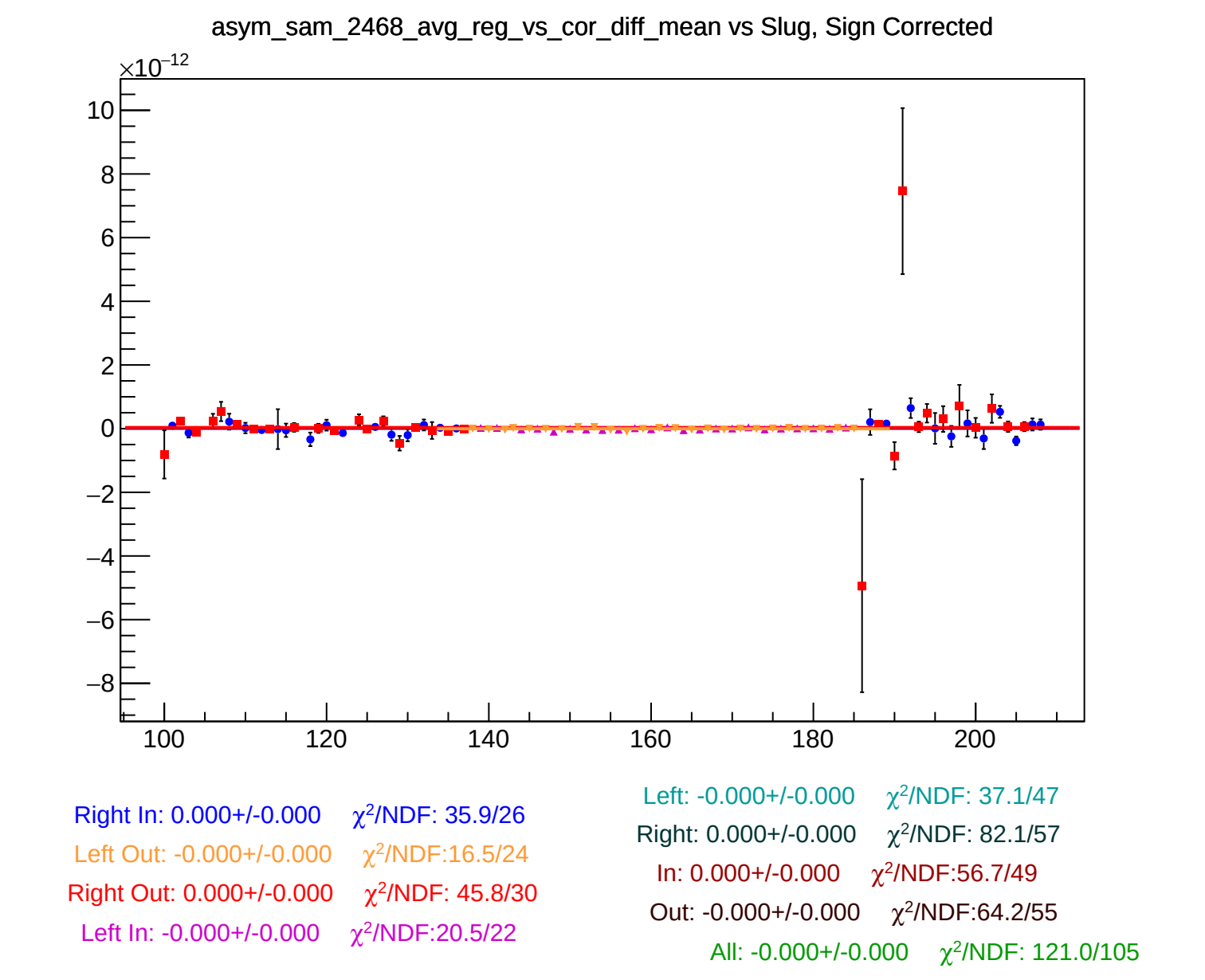
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1553.945+/-0.203 χ^2/NDF: 5615613.1/57

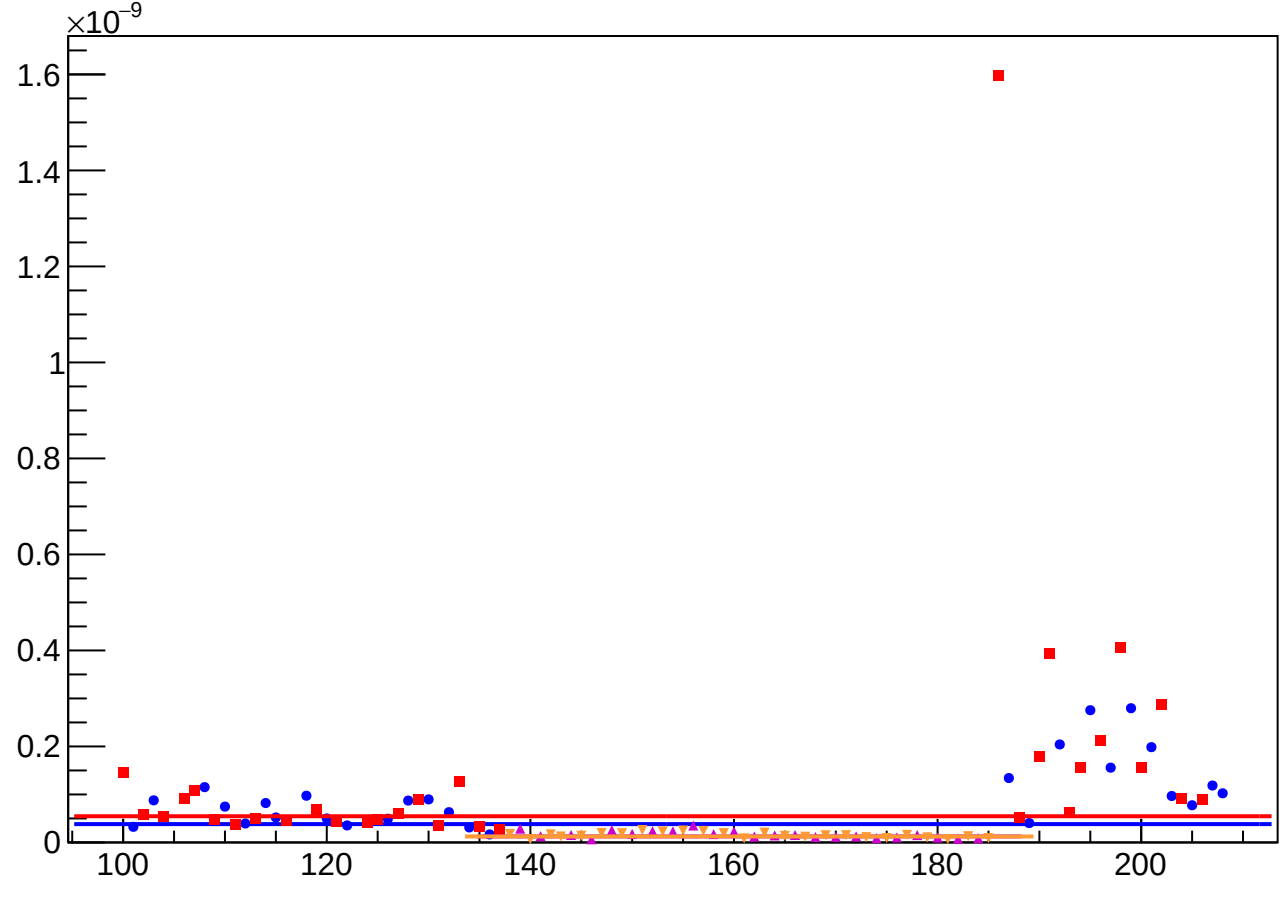
In: 803.462+/-0.107 χ^2/NDF:11150002.4/49

Out: 803.630+/-0.105 χ^2/NDF:12702425.9/55

All: 803.547+/-0.075 χ^2/NDF: 23852429.5/10


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 35.9/26
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.8/30
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 82.1/57
In: 0.000+/-0.000 χ²/NDF:56.7/49
Out: -0.000+/-0.000 χ²/NDF:64.2/55
All: -0.000+/-0.000 χ²/NDF: 121.0/105

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5750021.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3557959.1/30

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

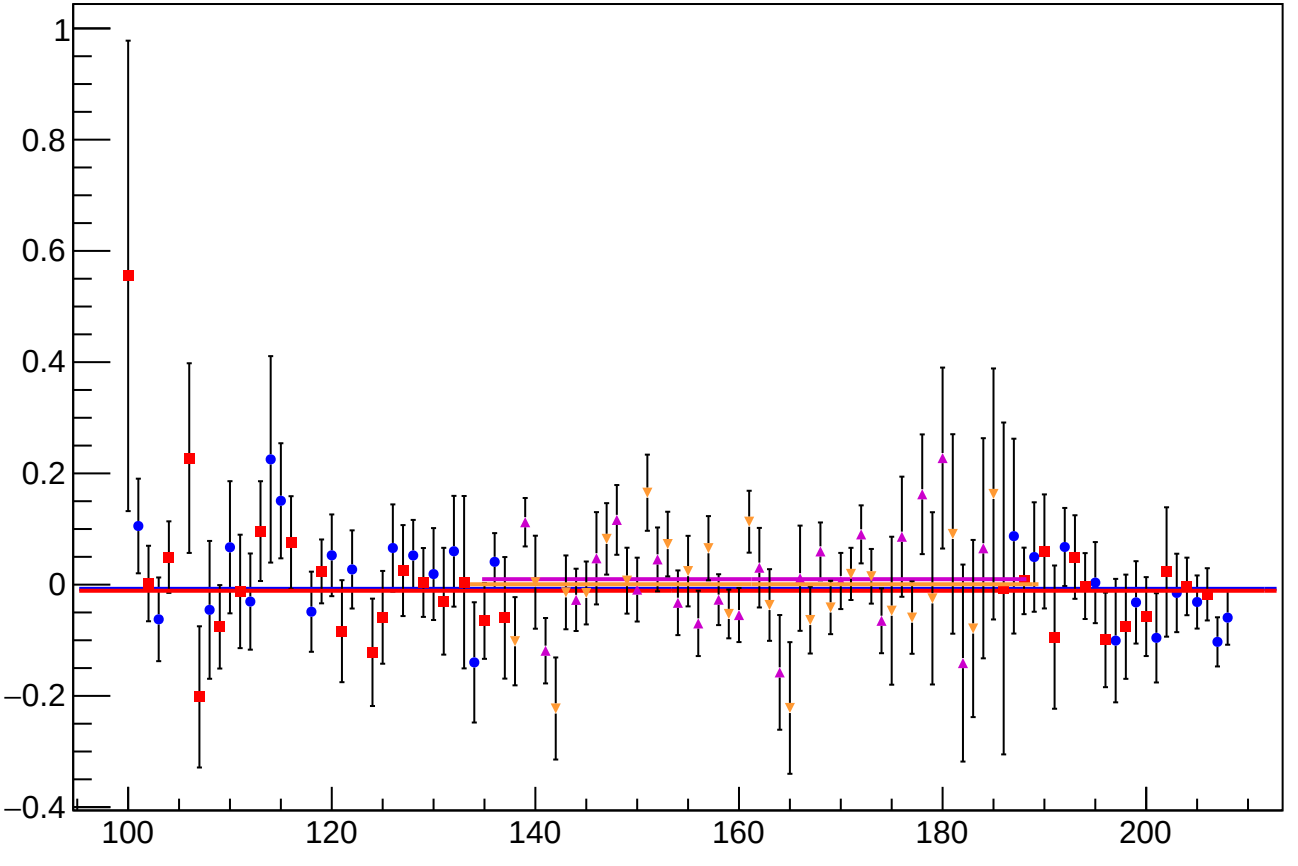
Right: 0.000+/-0.000 χ^2/NDF: 9801440.3/57

In: 0.000+/-0.000 χ^2/NDF:10656565.1/49

Out: 0.000+/-0.000 χ^2/NDF:10379513.5/55

All: 0.000+/-0.000 χ^2/NDF: 21037484.2/105

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

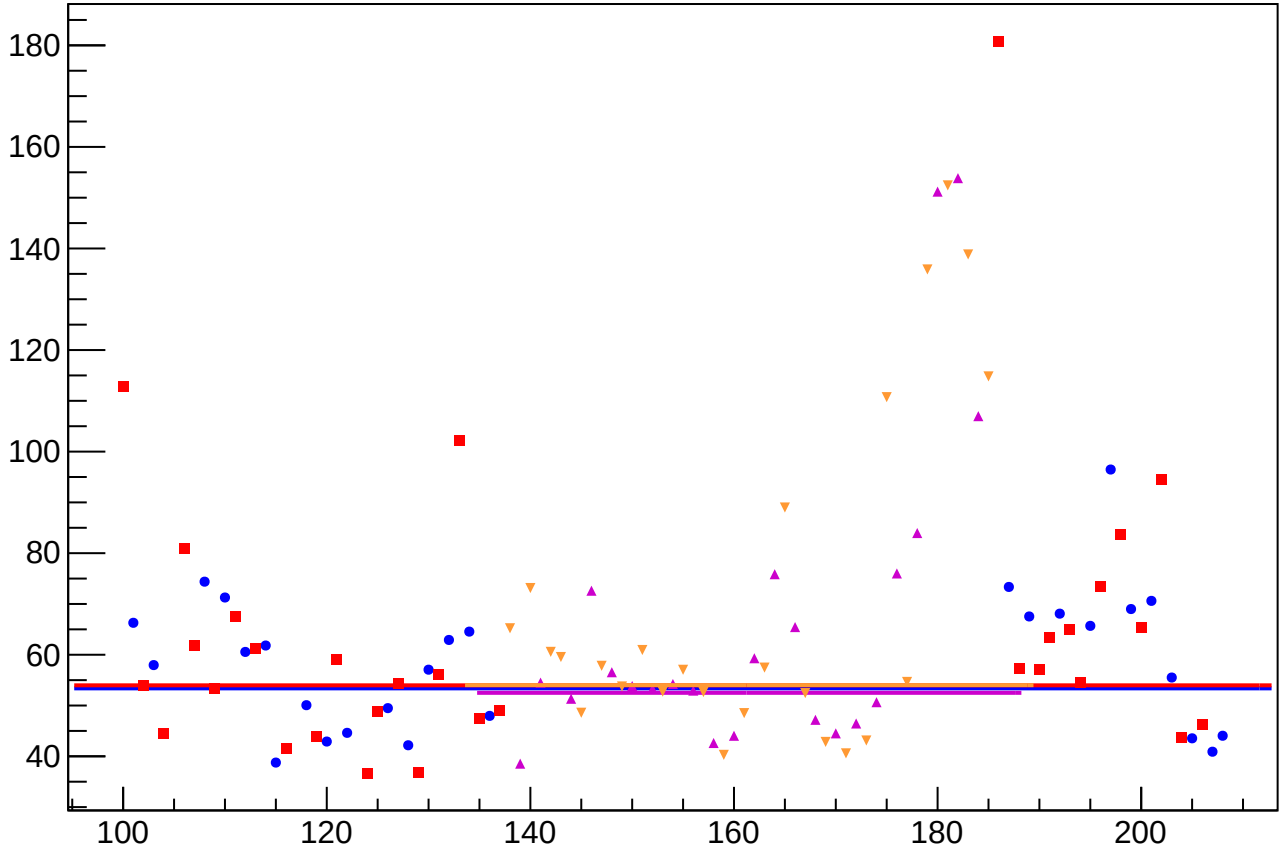
Right: -0.009+/-0.010 χ^2/NDF: 40.3/57

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.001+/-0.007 χ^2/NDF: 105.3/105

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

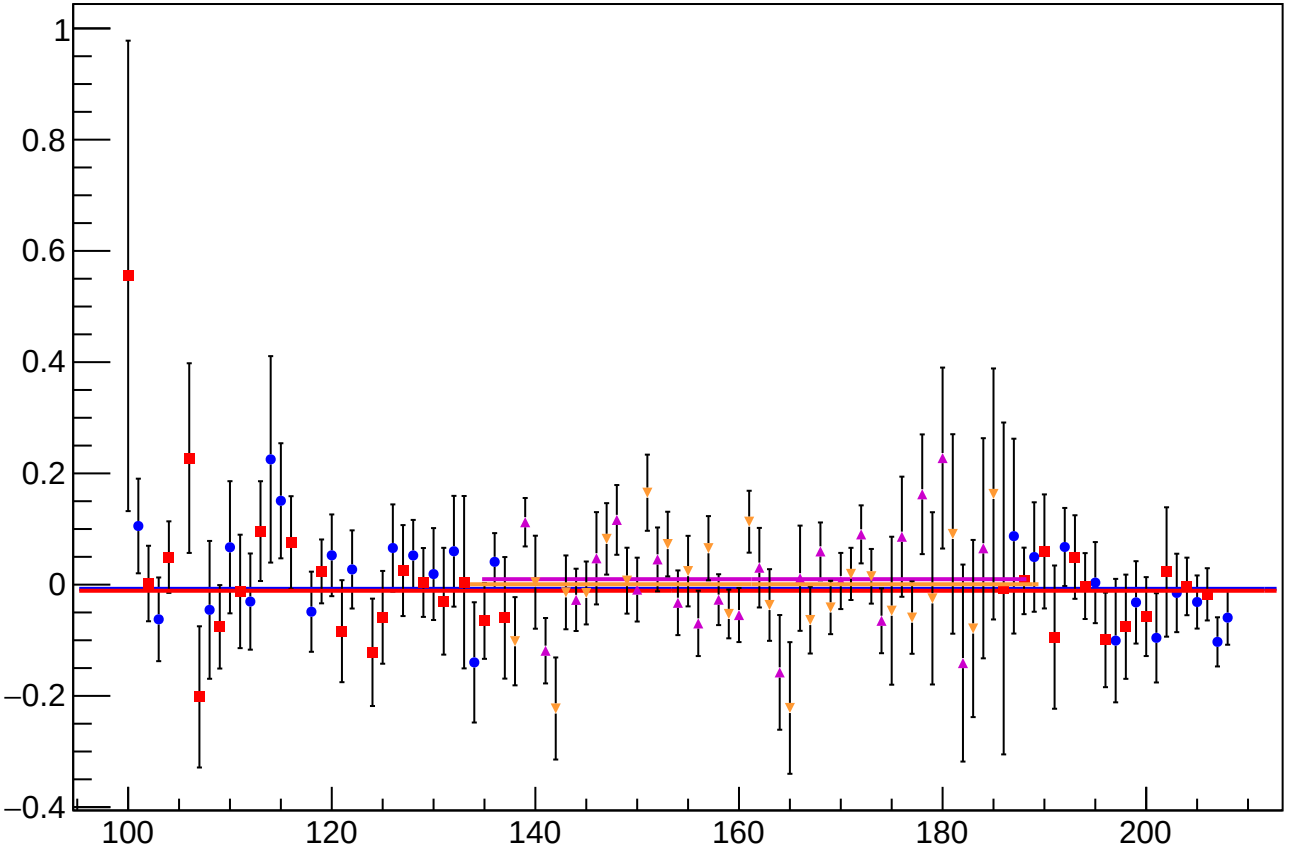
Right: 53.678+/-0.007 χ^2/NDF: 3335414.0/57

In: 52.908+/-0.007 χ^2/NDF:3998363.1/49

Out: 53.997+/-0.007 χ^2/NDF:5124701.8/55

All: 53.452+/-0.005 χ^2/NDF: 9135668.4/105

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

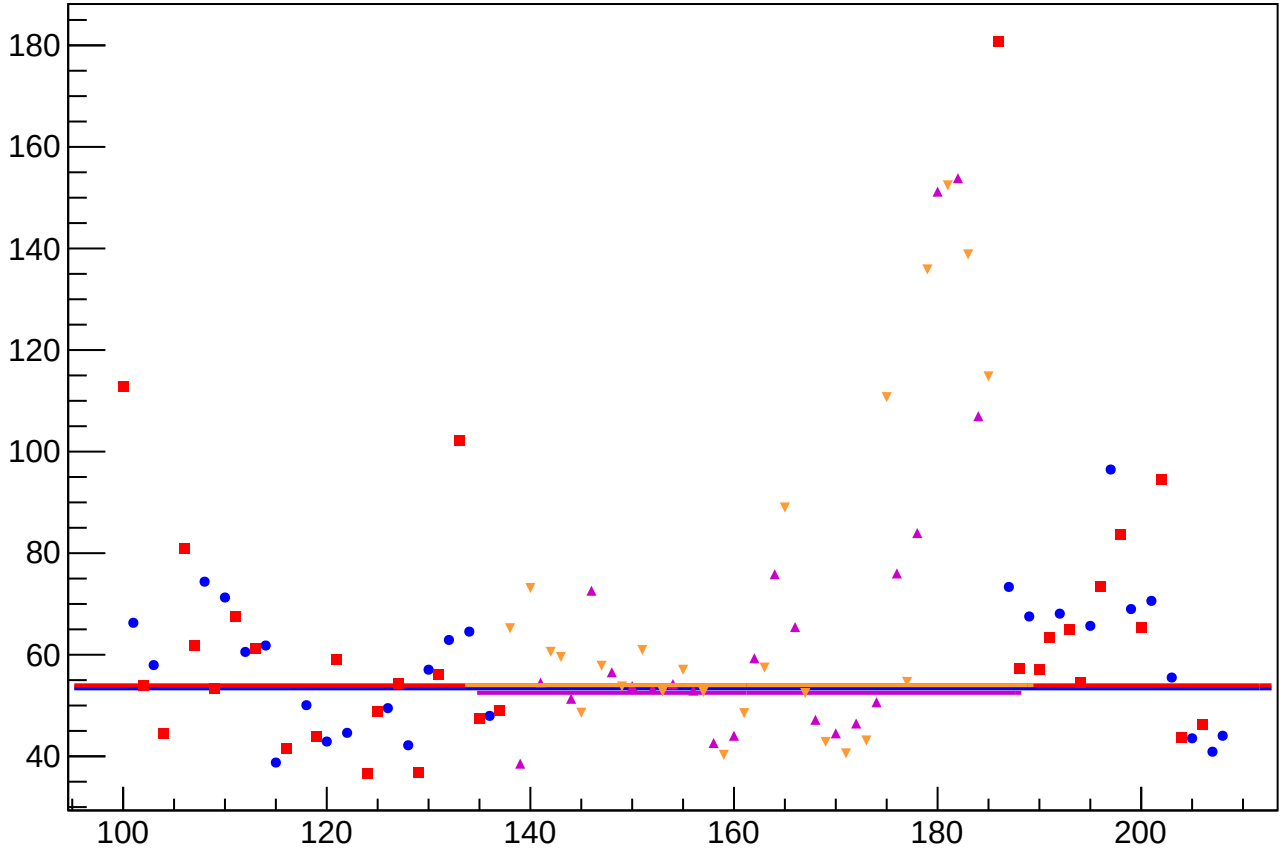
Right: -0.009+/-0.010 χ^2/NDF: 40.3/57

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.001+/-0.007 χ^2/NDF: 105.3/105

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

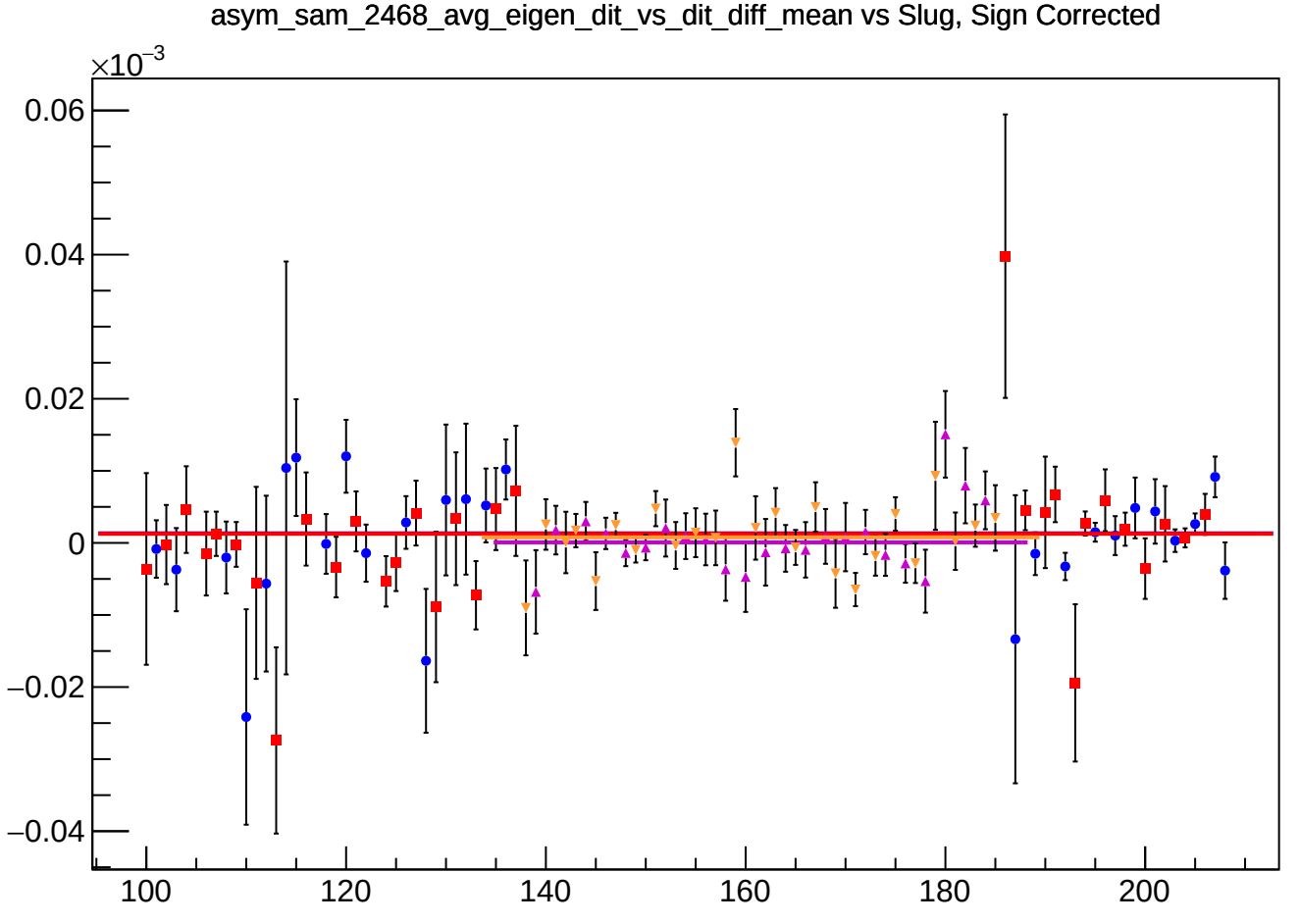
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 53.678+/-0.007 χ^2/NDF: 3335414.0/57

In: 52.908+/-0.007 χ^2/NDF:3998363.1/49

Out: 53.997+/-0.007 χ^2/NDF:5124701.8/55

All: 53.452+/-0.005 χ^2/NDF: 9135668.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

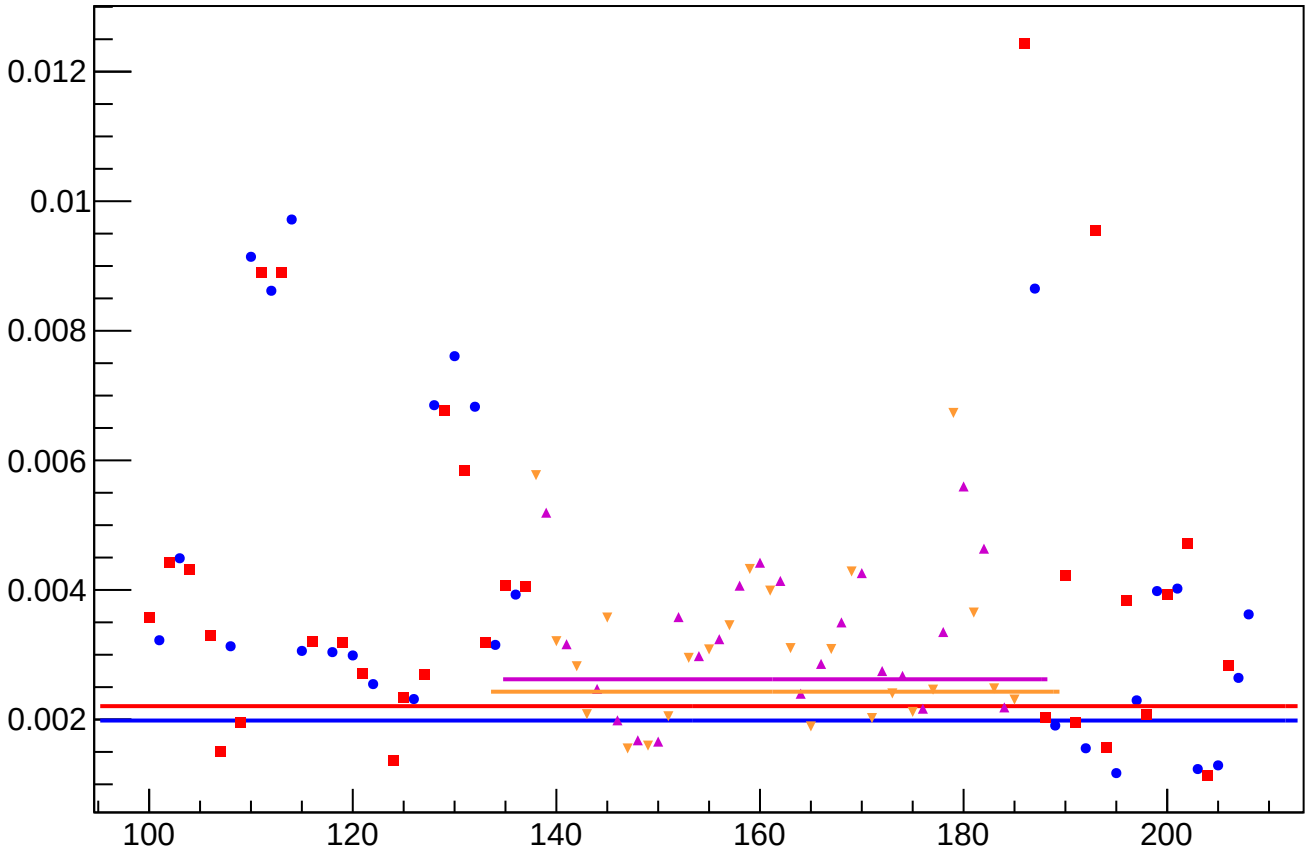
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 72.7/57

In: 0.000+/-0.000 χ^2/NDF:61.8/49

Out: 0.000+/-0.000 χ^2/NDF:71.5/55

All: 0.000+/-0.000 χ^2/NDF: 133.4/105



Right In: 0.002+/-0.000 χ^2/NDF: 7536726.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7631869.9/30

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

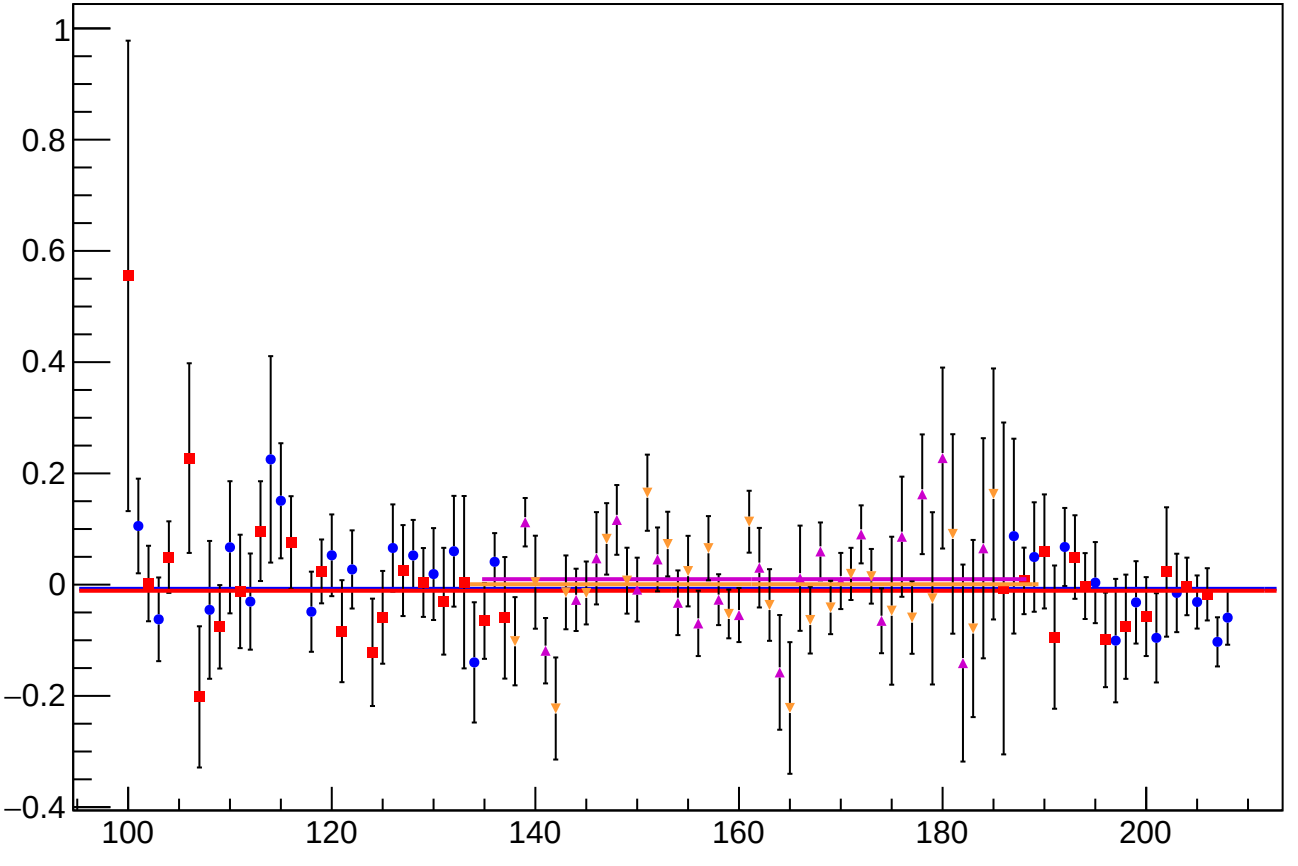
Right: 0.002+/-0.000 χ^2/NDF: 15295484.1/57

In: 0.002+/-0.000 χ^2/NDF:12514118.2/49

Out: 0.002+/-0.000 χ^2/NDF:11979691.8/55

All: 0.002+/-0.000 χ^2/NDF: 24511040.6/105

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

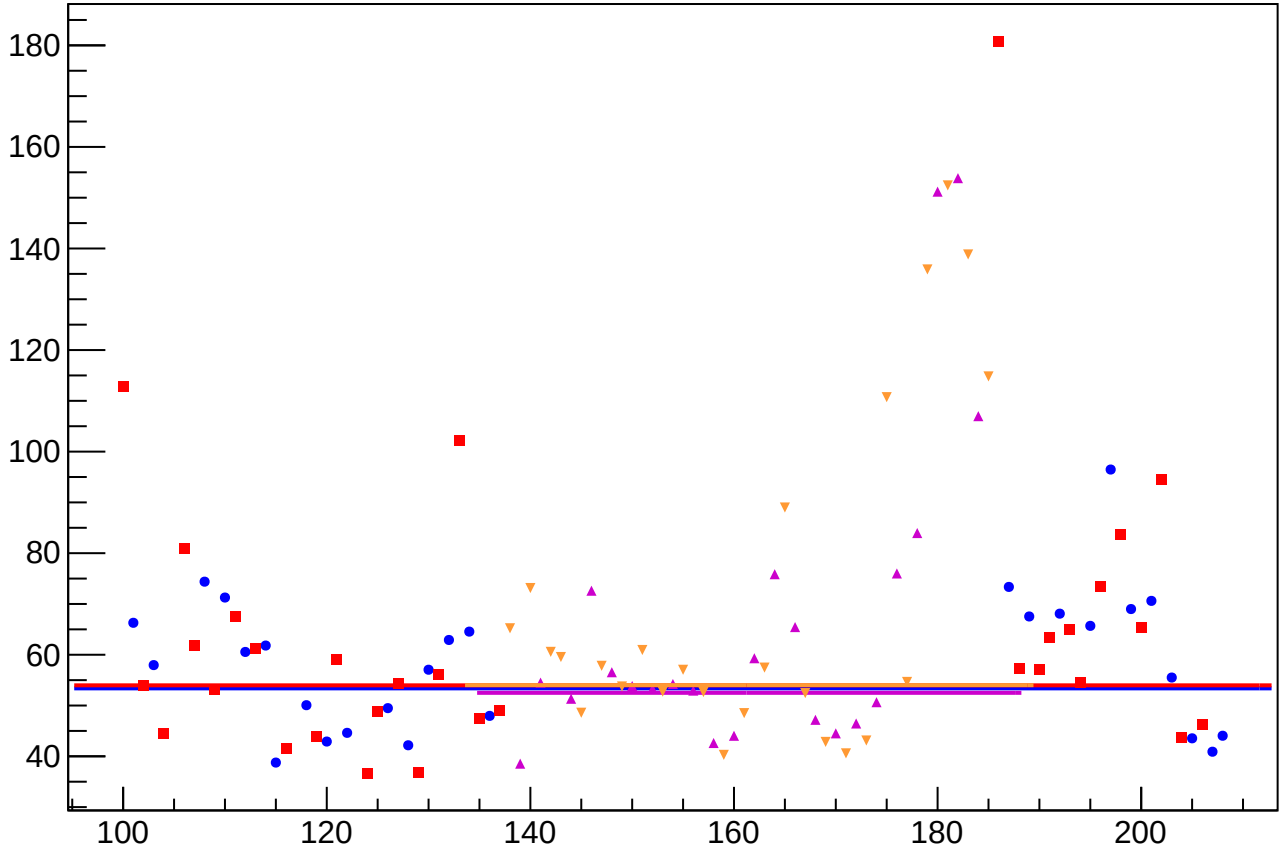
Right: -0.009+/-0.010 χ^2/NDF: 40.3/57

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.001+/-0.007 χ^2/NDF: 105.3/105

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

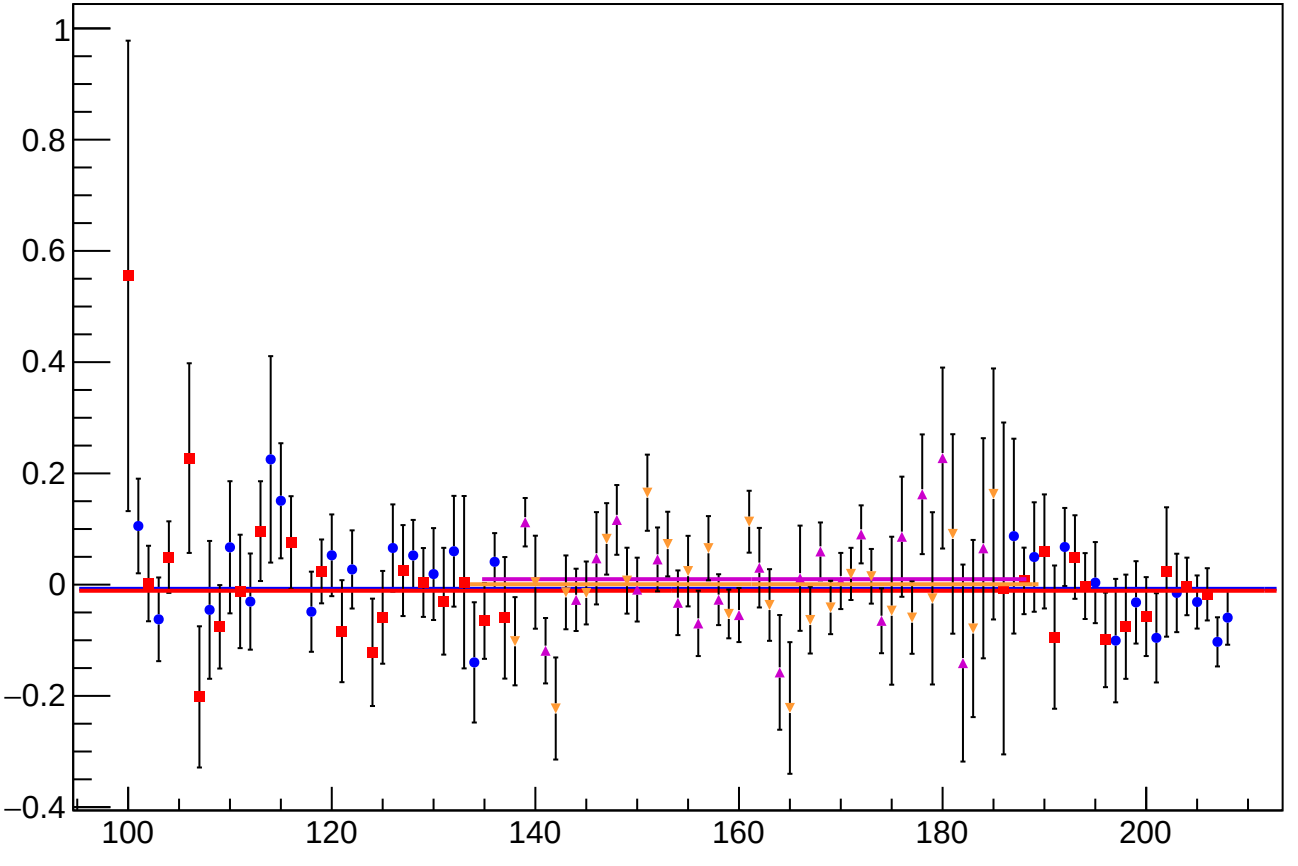
Right: 53.678+/-0.007 χ^2/NDF: 3335392.9/57

In: 52.908+/-0.007 χ^2/NDF:3998329.5/49

Out: 53.997+/-0.007 χ^2/NDF:5124768.4/55

All: 53.452+/-0.005 χ^2/NDF: 9135701.0/105

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

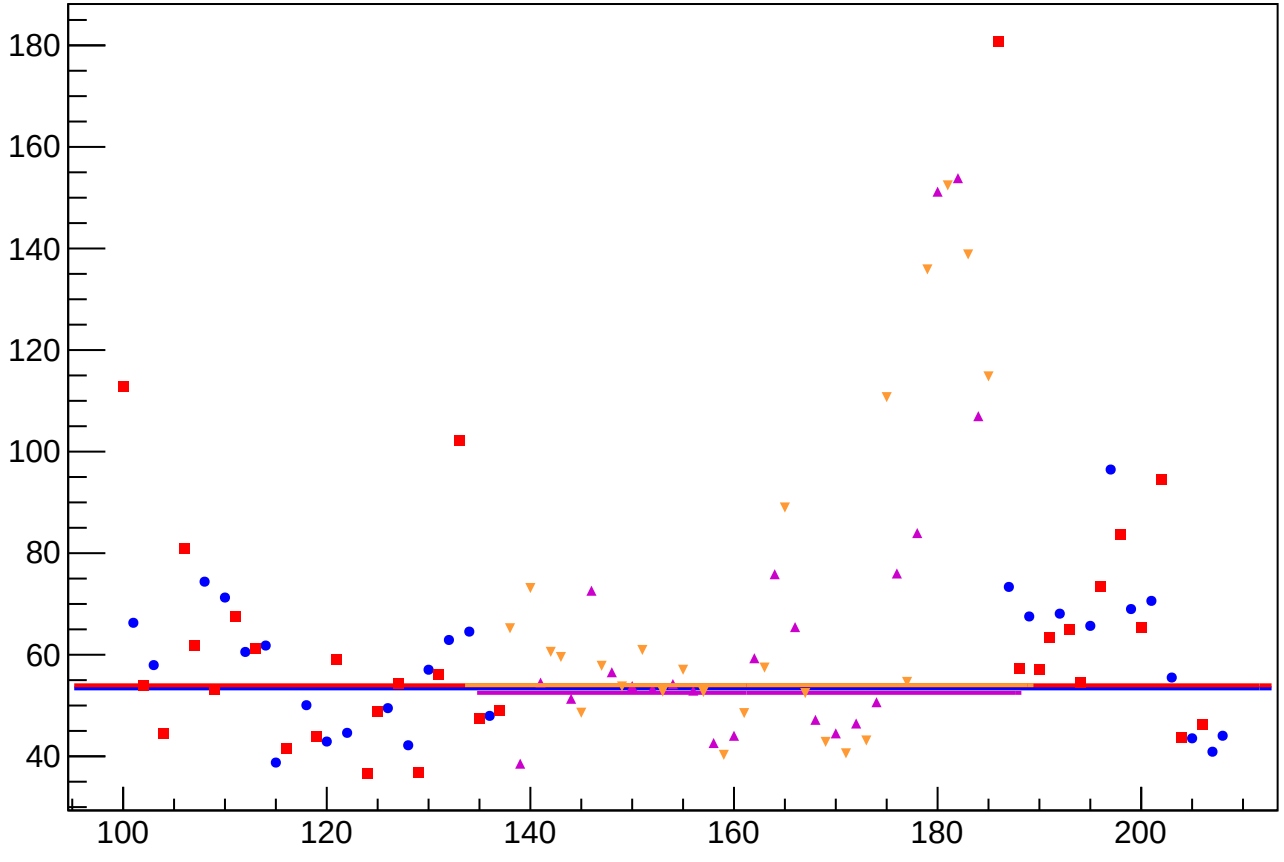
Right: -0.009+/-0.010 χ^2/NDF: 40.3/57

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.001+/-0.007 χ^2/NDF: 105.3/105

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

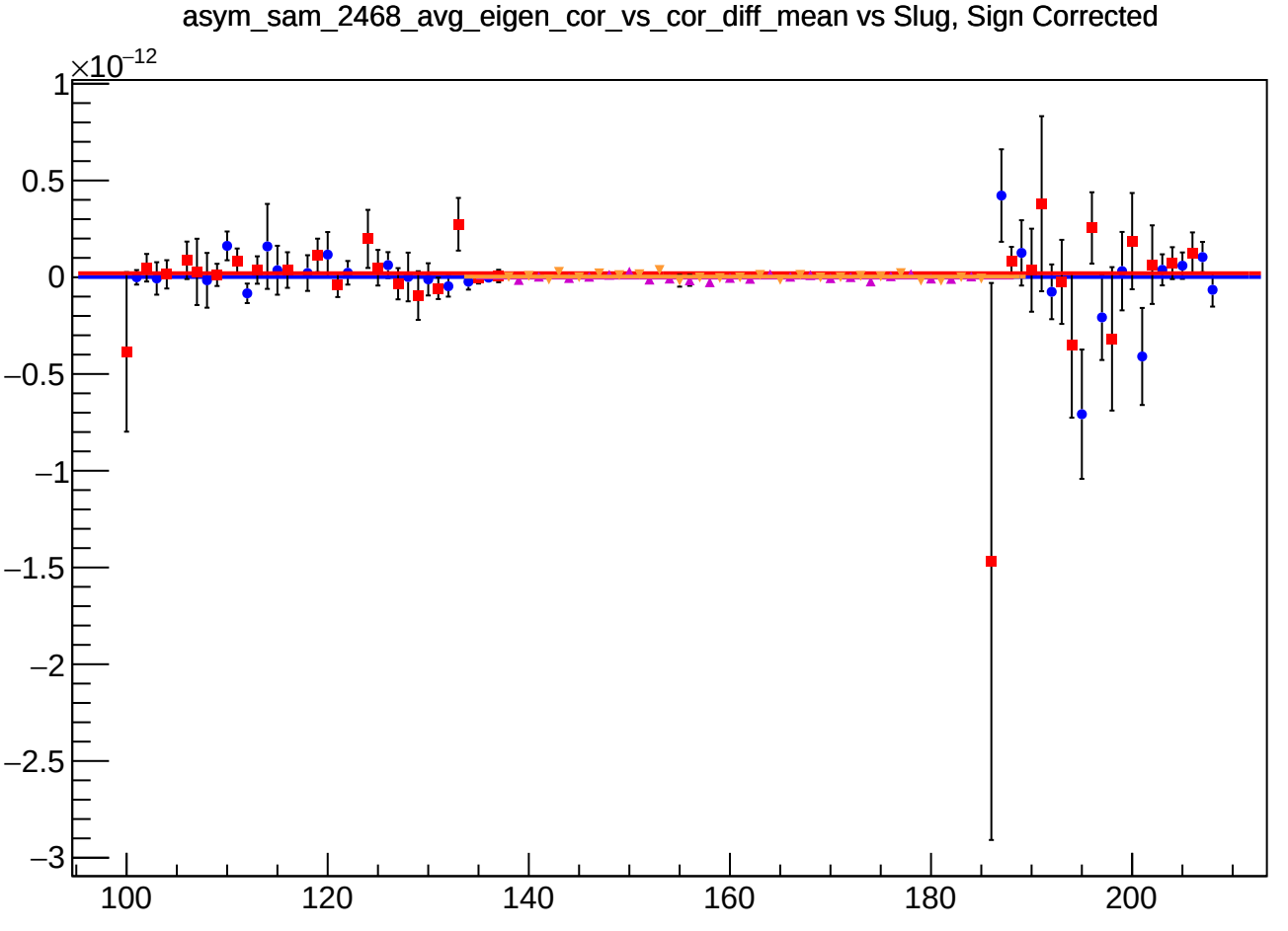
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 53.678+/-0.007 χ^2/NDF: 3335392.9/57

In: 52.908+/-0.007 χ^2/NDF:3998329.5/49

Out: 53.997+/-0.007 χ^2/NDF:5124768.4/55

All: 53.452+/-0.005 χ^2/NDF: 9135701.0/105



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/30

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

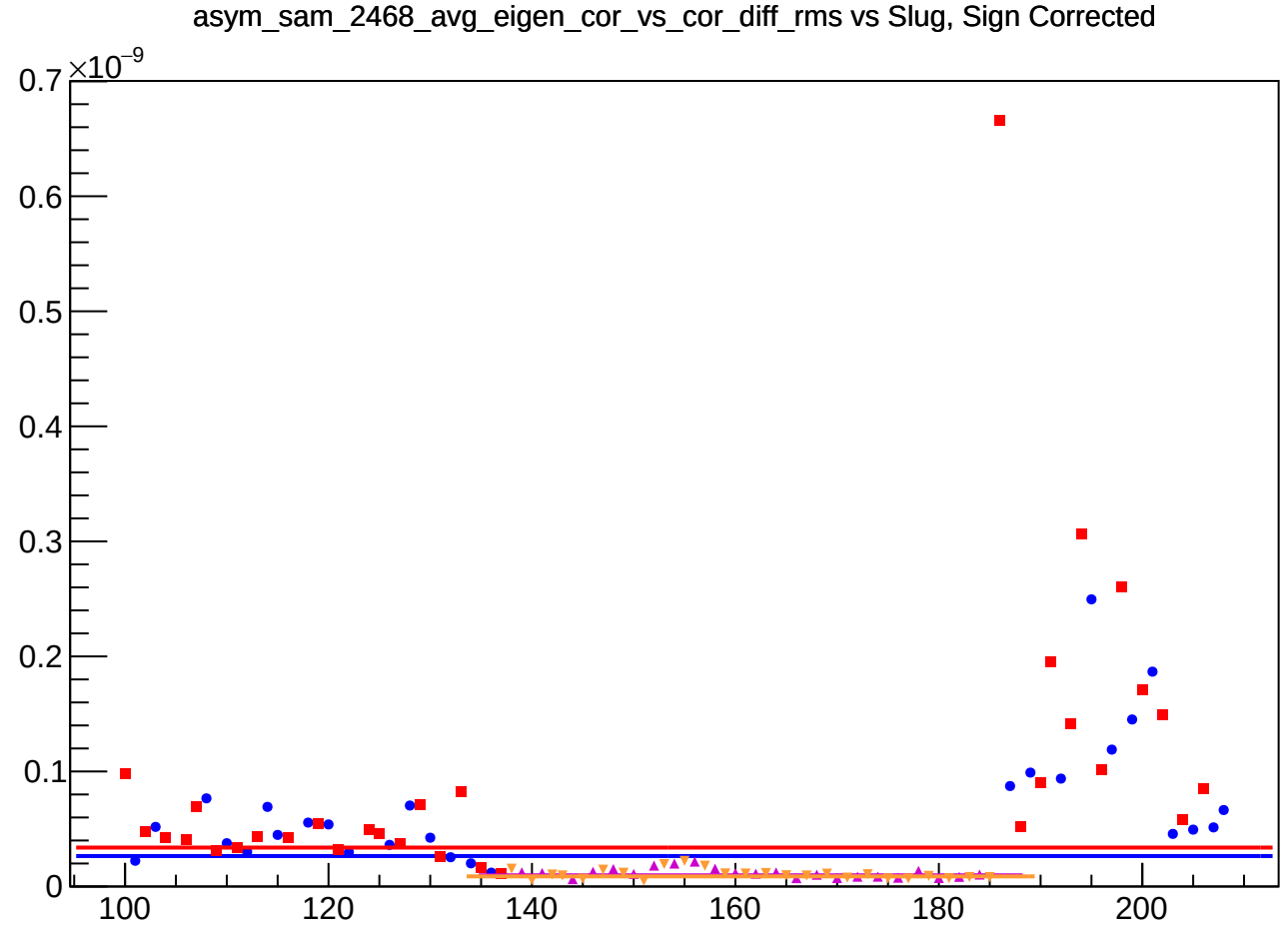
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

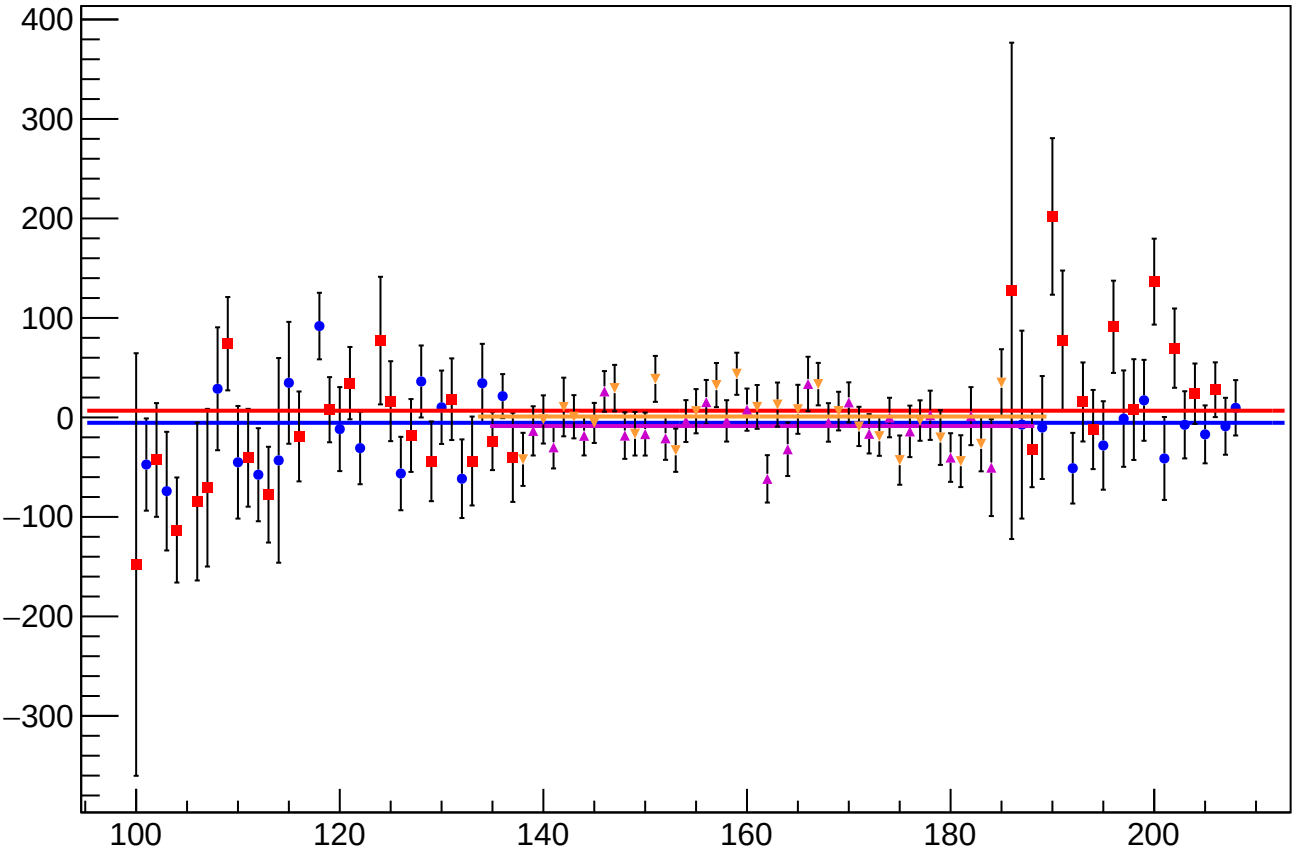
Right: 0.000+/-0.000 χ^2/NDF: 49.6/57

In: -0.000+/-0.000 χ^2/NDF:41.9/49

Out: 0.000+/-0.000 χ^2/NDF:45.3/55

All: 0.000+/-0.000 χ^2/NDF: 89.0/105


asym_sam_2468_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7508881.8/26
Left Out: 0.000+/-0.000 χ²/NDF:2517075.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 8085590.1/30
Left In: 0.000+/-0.000 χ²/NDF:2320113.6/22
Left: 0.000+/-0.000 χ²/NDF: 4948206.8/47
Right: 0.000+/-0.000 χ²/NDF: 15936082.1/57
In: 0.000+/-0.000 χ²/NDF:13946716.5/49
Out: 0.000+/-0.000 χ²/NDF:17032727.2/55
All: 0.000+/-0.000 χ²/NDF: 31128927.2/105



Right In: -5.404+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 6.750+/-7.845 χ^2/NDF: 47.0/30

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

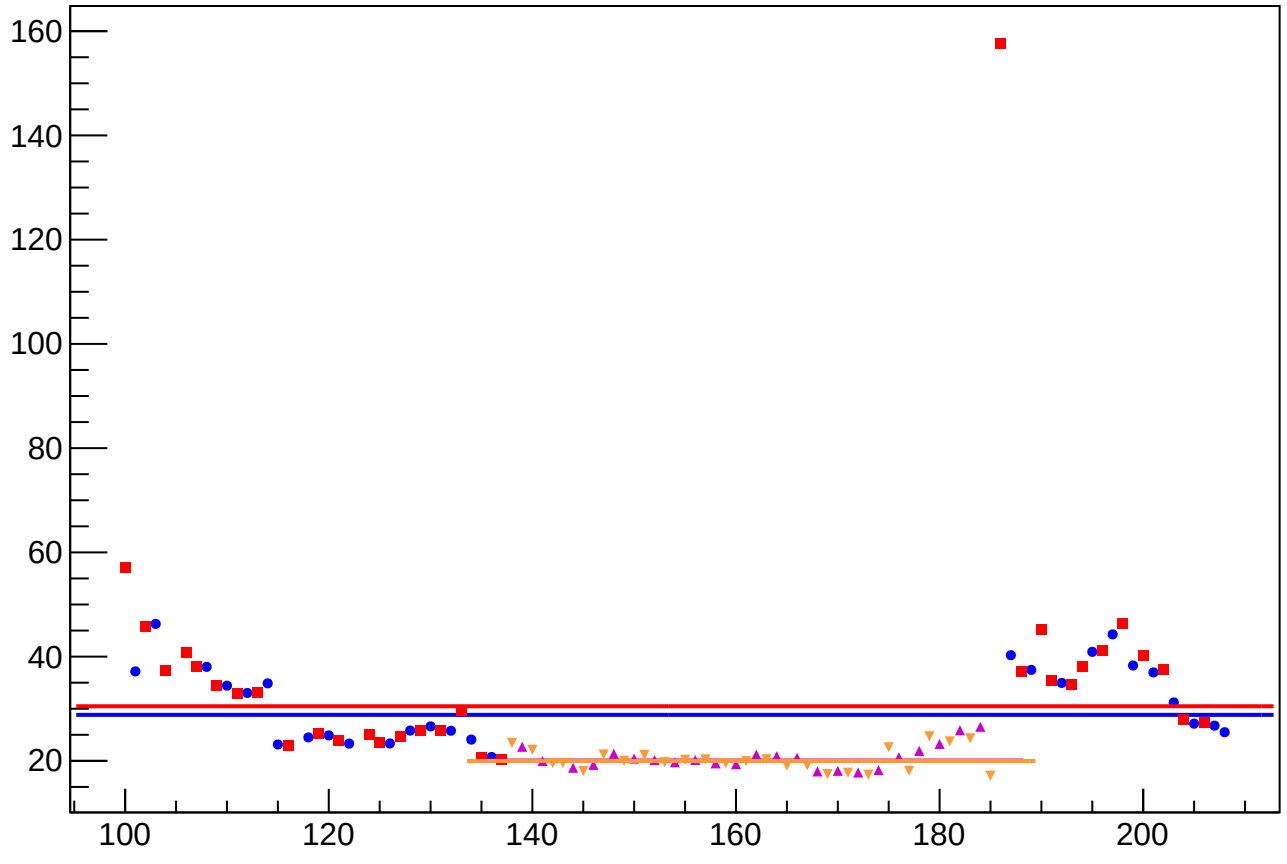
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 0.385+/-5.414 χ^2/NDF: 73.3/57

In: -7.689+/-3.994 χ^2/NDF:44.6/49

Out: 2.397+/-3.951 χ^2/NDF:76.6/55

All: -2.592+/-2.809 χ^2/NDF: 124.4/105



Right In: 28.826+/-0.005 χ^2/NDF: 1546257.5/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.479+/-0.006 χ^2/NDF: 2229231.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

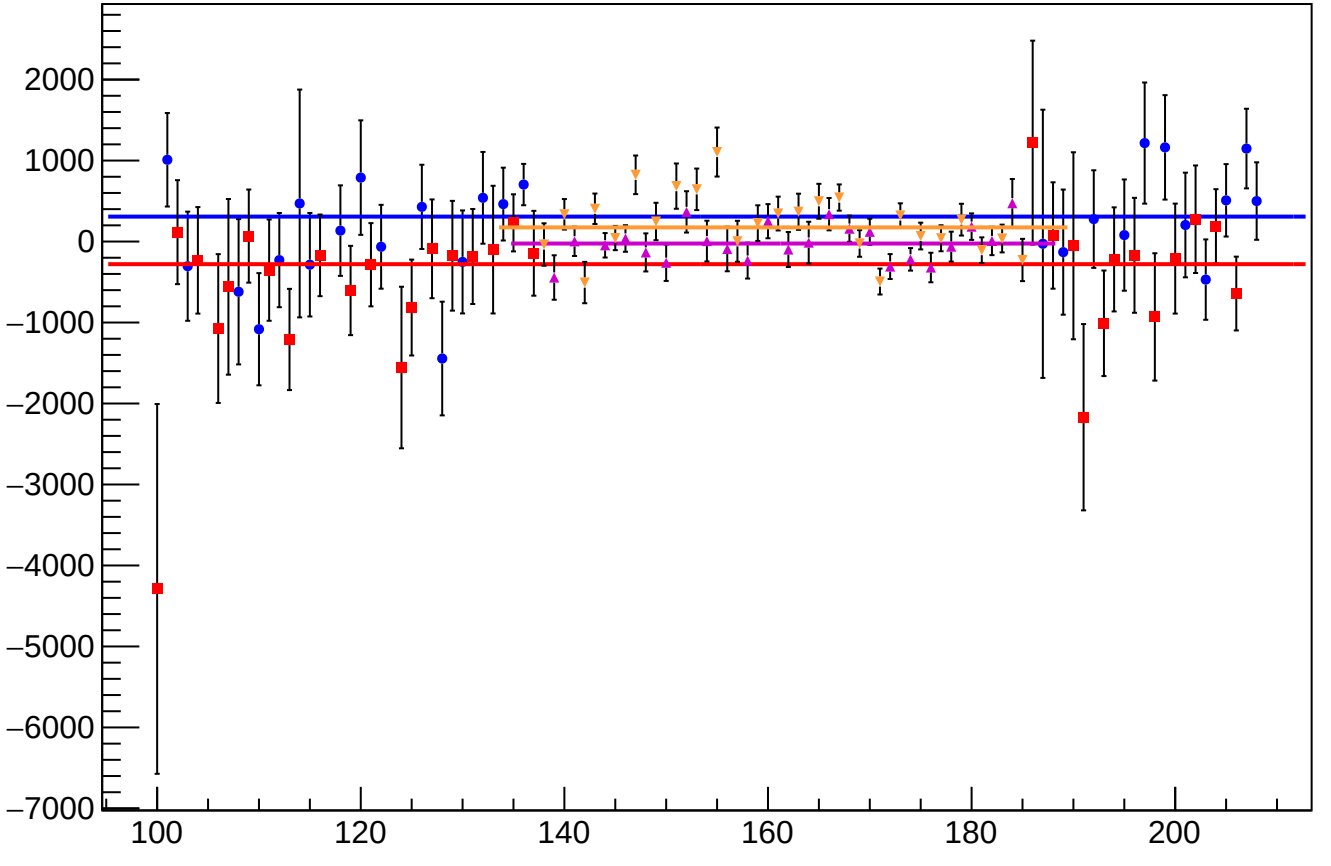
Right: 29.614+/-0.004 χ^2/NDF: 3821993.4/57

In: 22.567+/-0.003 χ^2/NDF:3805683.2/49

Out: 22.635+/-0.003 χ^2/NDF:5295216.1/55

All: 22.602+/-0.002 χ^2/NDF: 9101189.3/105

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 307.904+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -279.339+/-113.302 χ^2/NDF: 20.9/30

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

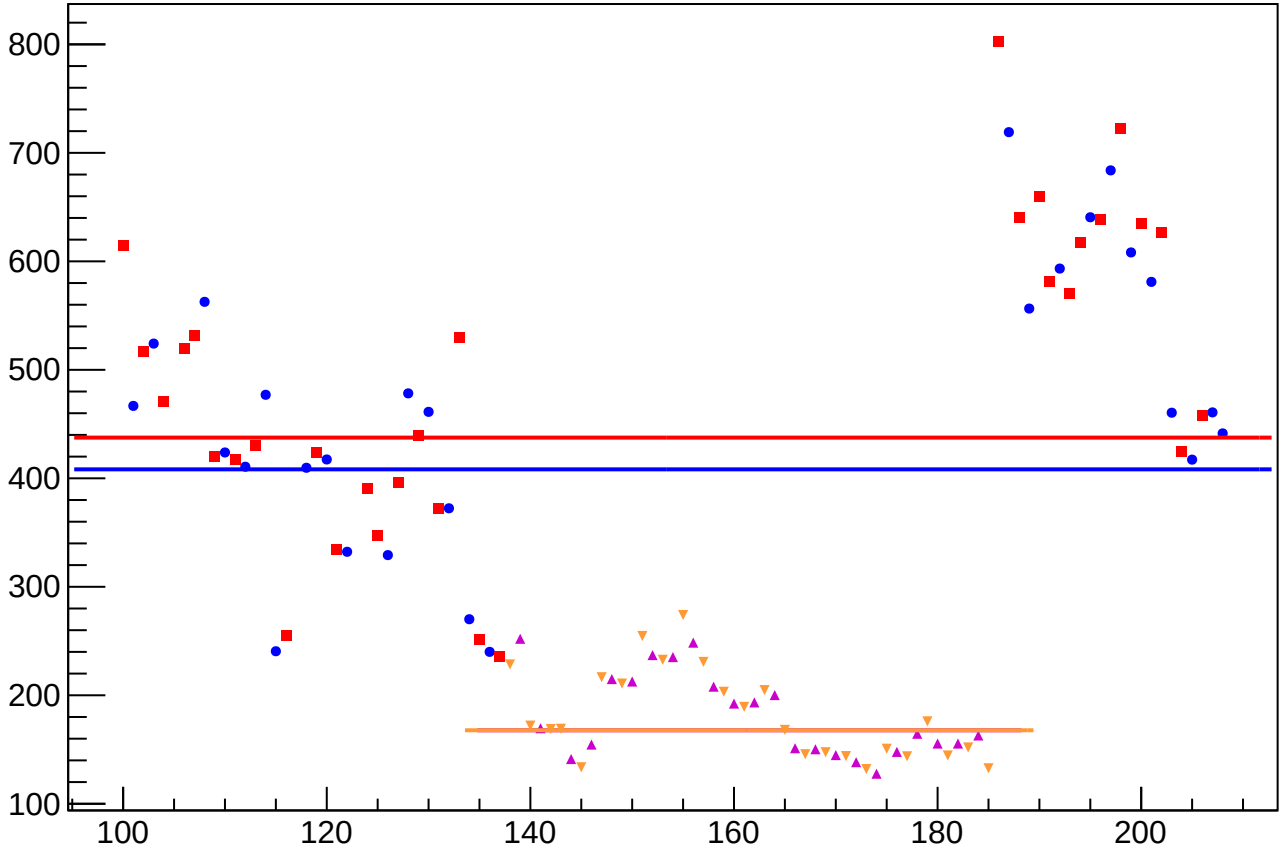
Right: 28.869+/-78.101 χ^2/NDF: 64.4/57

In: 15.769+/-37.560 χ^2/NDF:64.7/49

Out: 126.488+/-36.918 χ^2/NDF:106.5/55

All: 72.083+/-26.329 χ^2/NDF: 175.6/105

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 408.267+/-0.076 χ^2/NDF: 2694942.2/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 437.522+/-0.080 χ^2/NDF: 2855586.8/30

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

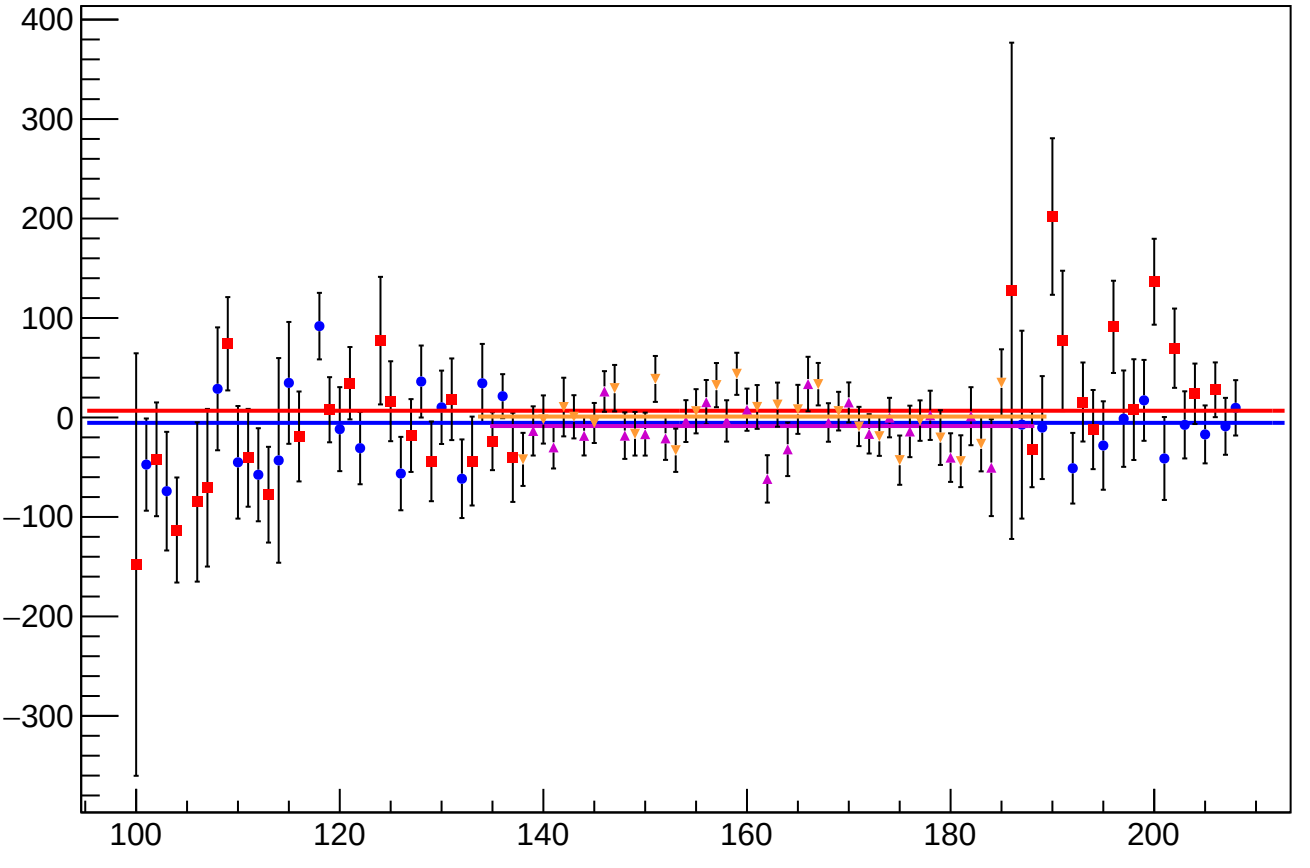
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 422.168+/-0.055 χ^2/NDF: 5620509.0/57

In: 196.943+/-0.027 χ^2/NDF:12844651.9/49

Out: 196.396+/-0.026 χ^2/NDF:14568023.0/55

All: 196.664+/-0.019 χ^2/NDF: 27412890.9/10



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 6.777+/-7.846 χ^2/NDF: 47.0/30

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

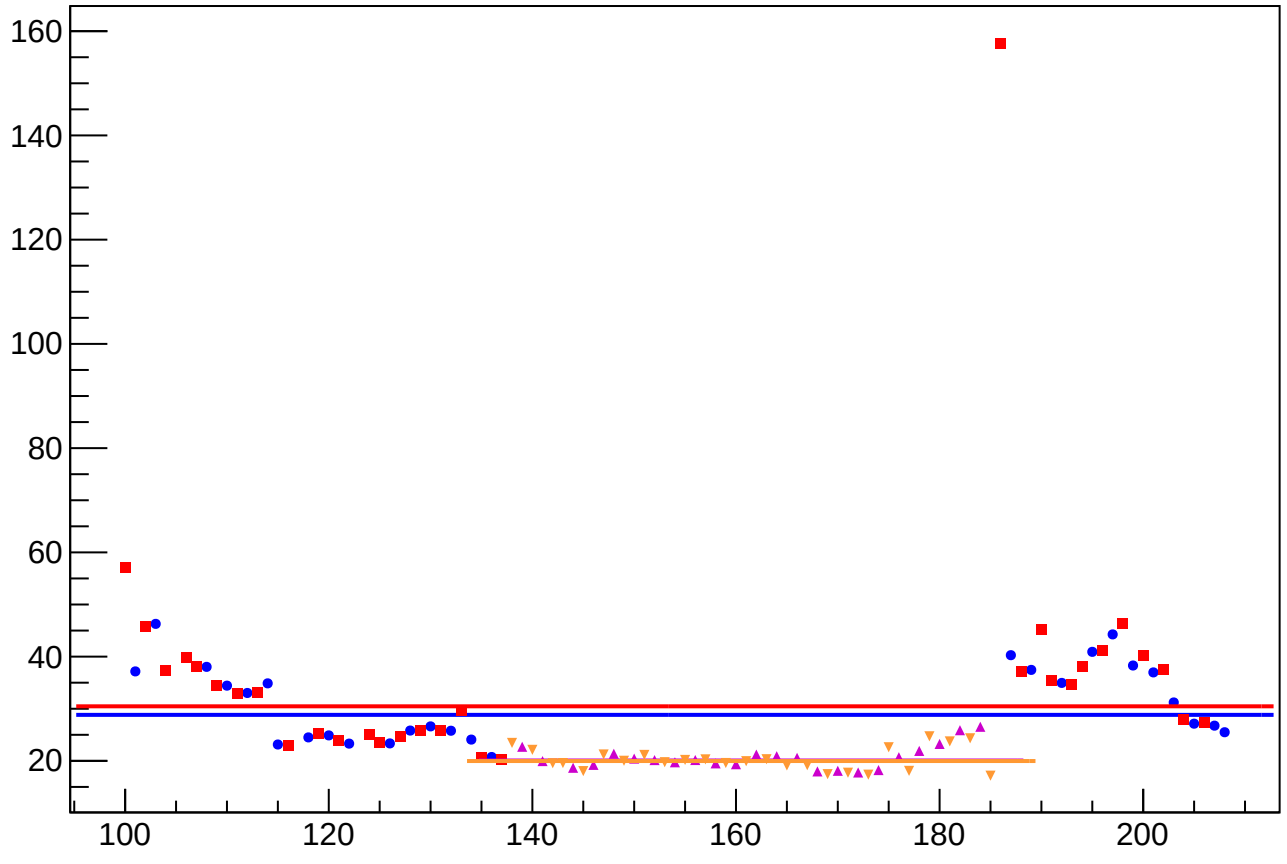
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 0.398+/-5.414 χ^2/NDF: 73.3/57

In: -7.689+/-3.994 χ^2/NDF:44.6/49

Out: 2.402+/-3.952 χ^2/NDF:76.6/55

All: -2.589+/-2.809 χ^2/NDF: 124.4/105



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

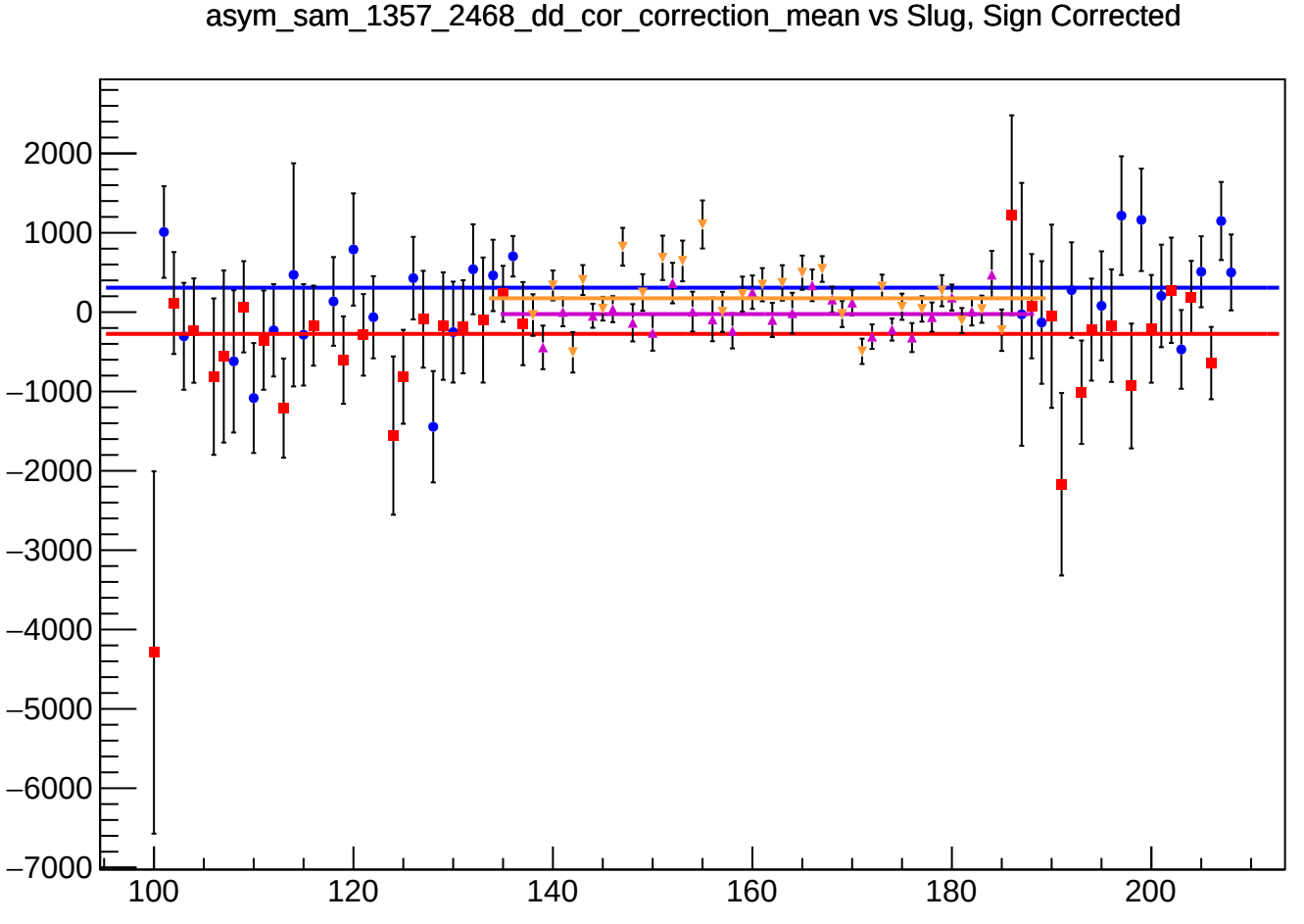
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.608+/-0.004 χ^2/NDF: 3814272.2/57

In: 22.567+/-0.003 χ^2/NDF:3805686.5/49

Out: 22.632+/-0.003 χ^2/NDF:5281601.9/55

All: 22.600+/-0.002 χ^2/NDF: 9087549.5/105



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

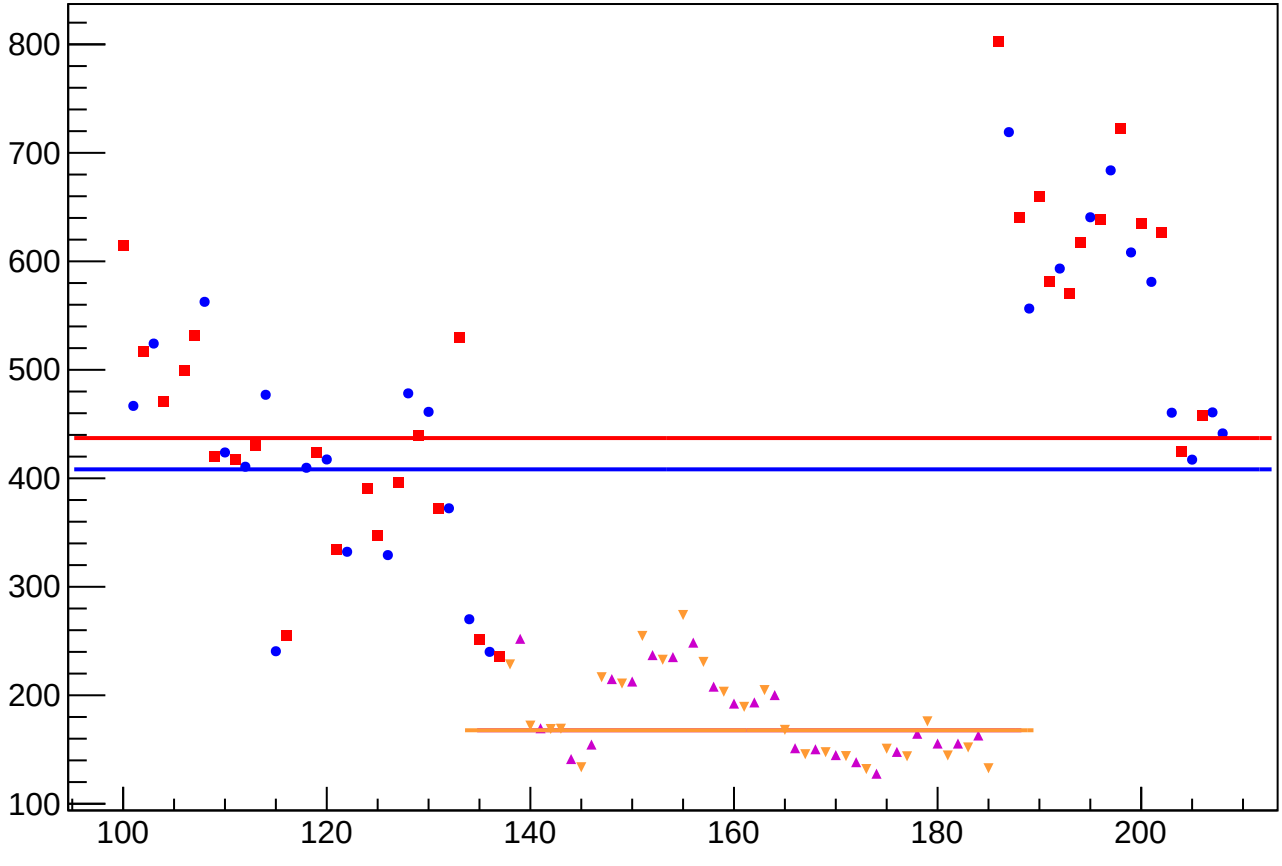
Right: 31.535+/-78.139 χ^2/NDF: 63.7/57

In: 15.768+/-37.560 χ^2/NDF:64.7/49

Out: 127.103+/-36.922 χ^2/NDF:105.7/55

All: 72.389+/-26.330 χ^2/NDF: 174.8/105

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

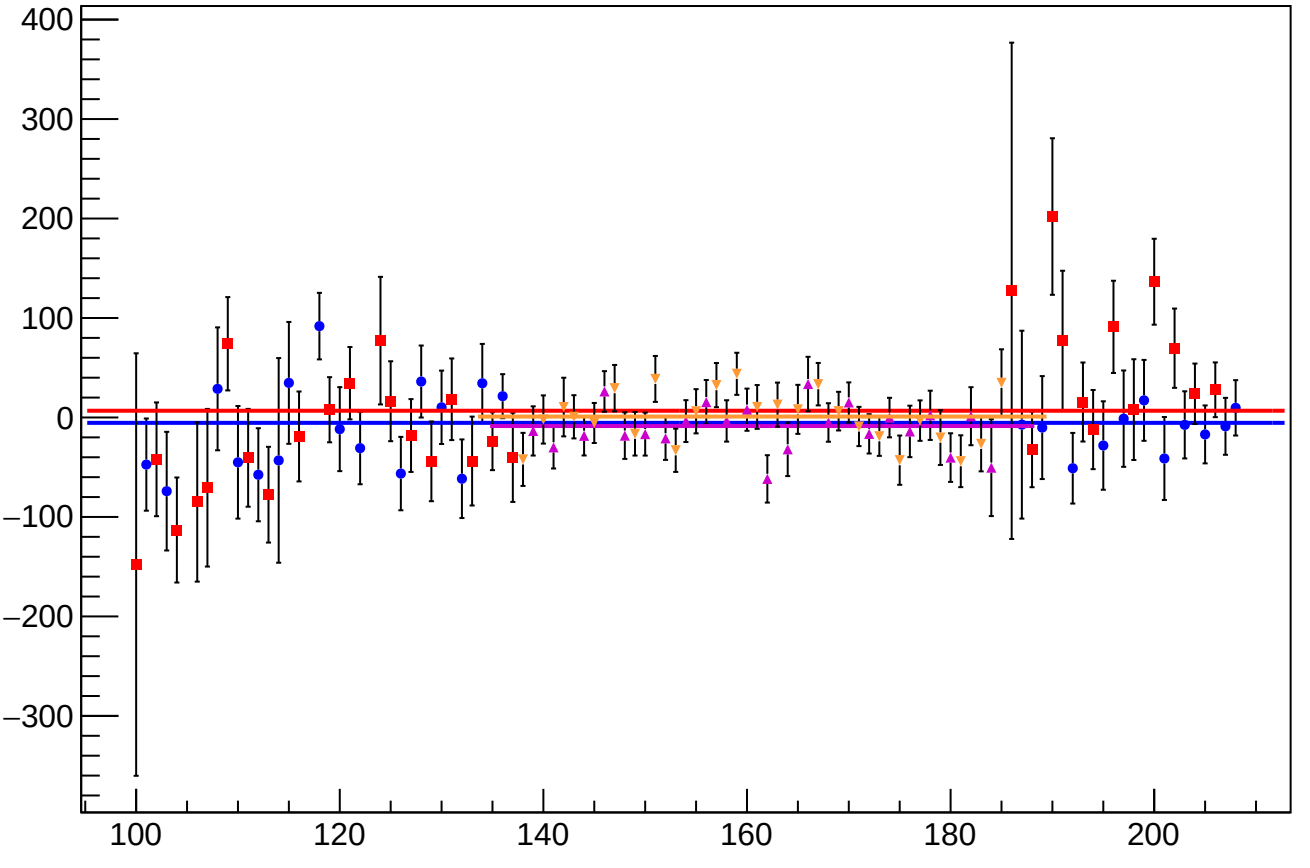
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 421.950+/-0.055 χ^2/NDF: 5610394.2/57

In: 196.943+/-0.027 χ^2/NDF:12844664.2/49

Out: 196.298+/-0.026 χ^2/NDF:14509442.9/55

All: 196.615+/-0.019 χ^2/NDF: 27354406.9/10



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 6.777+/-7.846 χ^2/NDF: 47.0/30

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

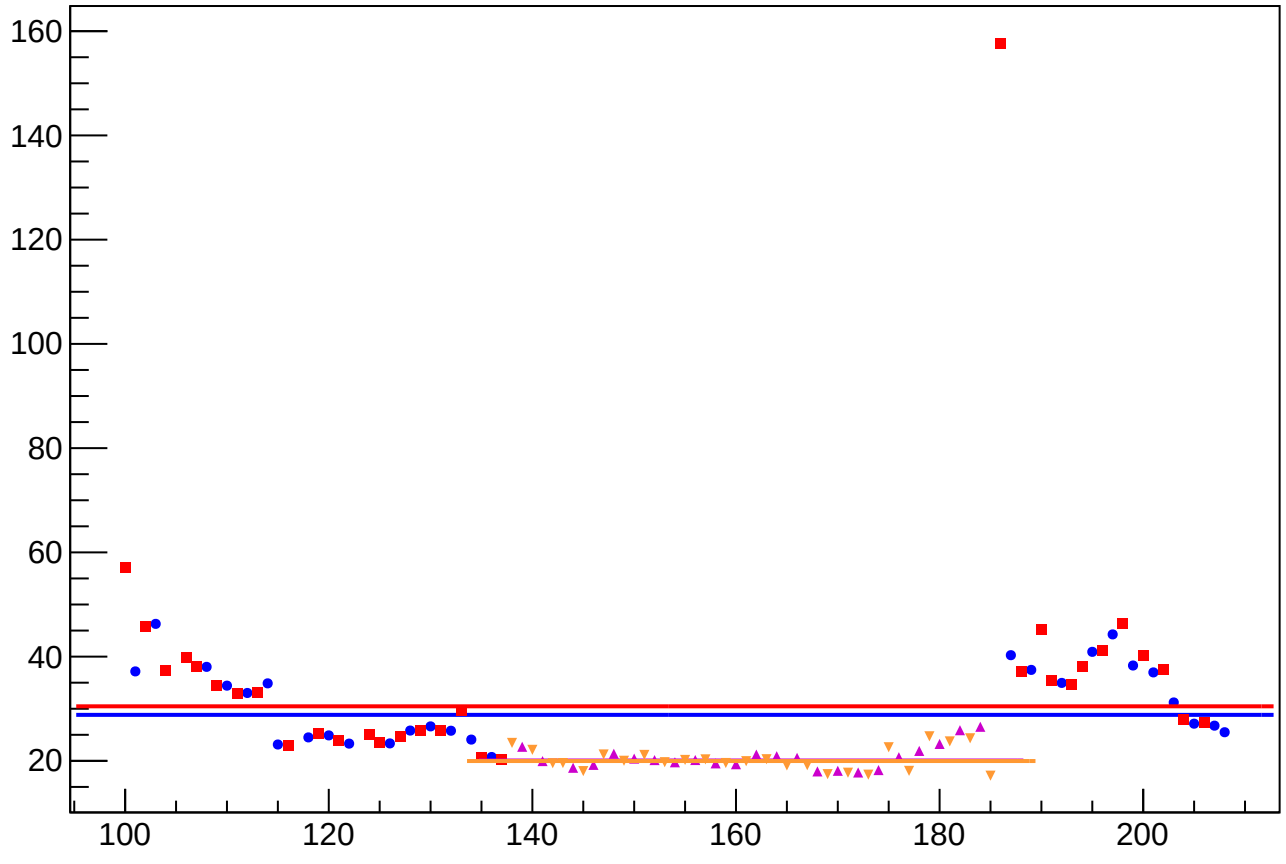
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 0.398+/-5.414 χ^2/NDF: 73.3/57

In: -7.689+/-3.994 χ^2/NDF:44.6/49

Out: 2.402+/-3.952 χ^2/NDF:76.6/55

All: -2.589+/-2.809 χ^2/NDF: 124.4/105



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

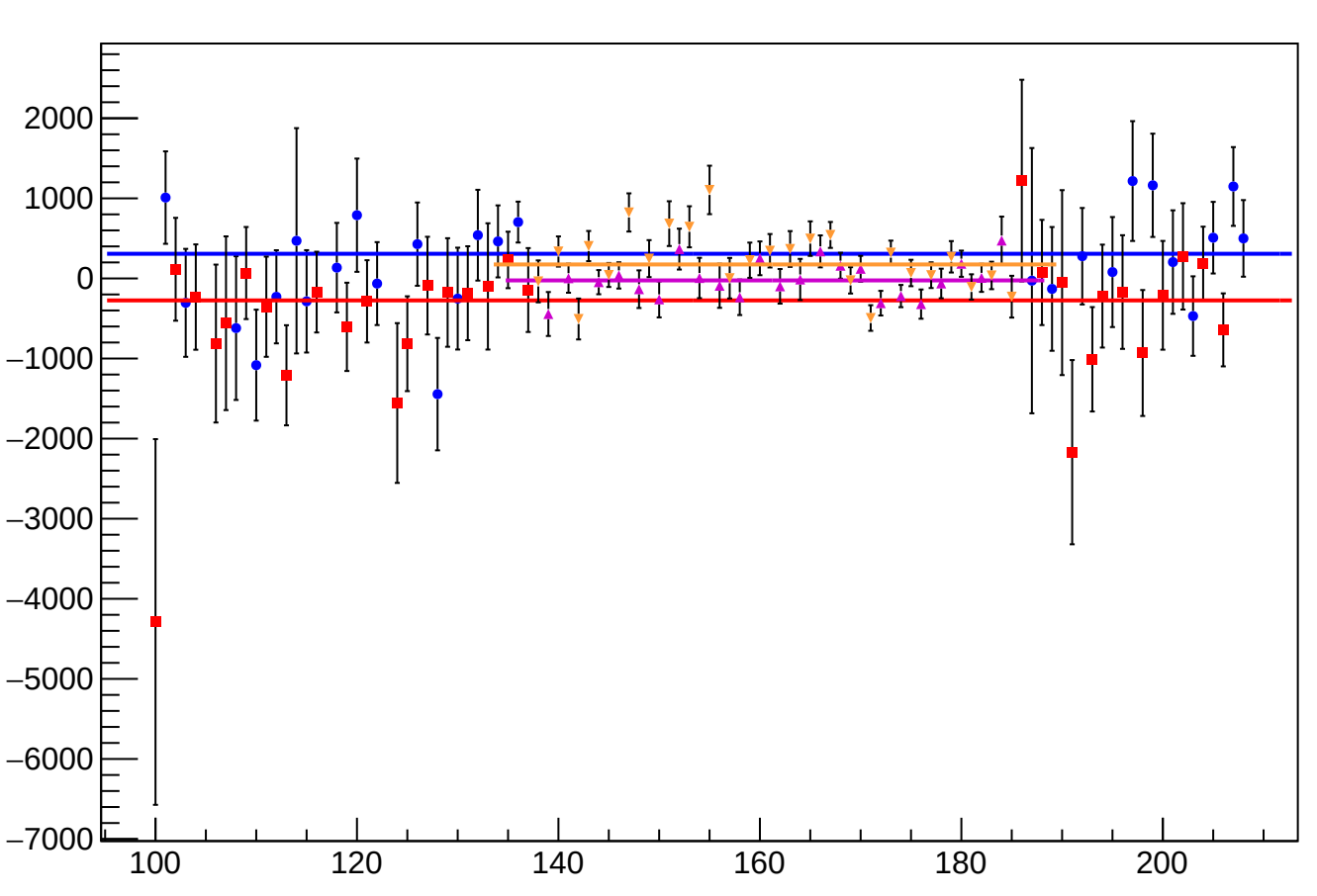
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.608+/-0.004 χ^2/NDF: 3814272.2/57

In: 22.567+/-0.003 χ^2/NDF:3805686.5/49

Out: 22.632+/-0.003 χ^2/NDF:5281601.9/55

All: 22.600+/-0.002 χ^2/NDF: 9087549.5/105



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

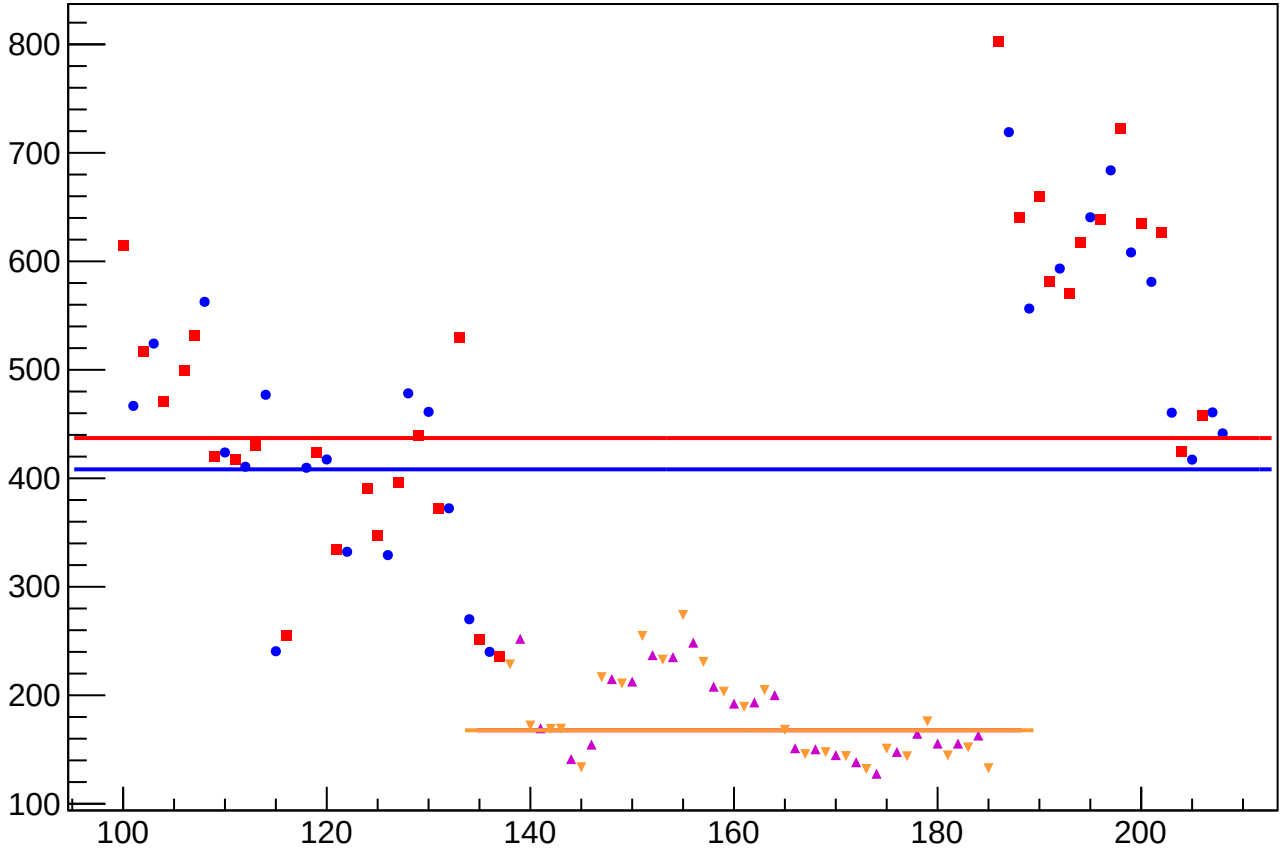
Right: 31.535+/-78.139 χ^2/NDF: 63.7/57

In: 15.768+/-37.560 χ^2/NDF:64.7/49

Out: 127.103+/-36.922 χ^2/NDF:105.7/55

All: 72.389+/-26.330 χ^2/NDF: 174.8/105

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

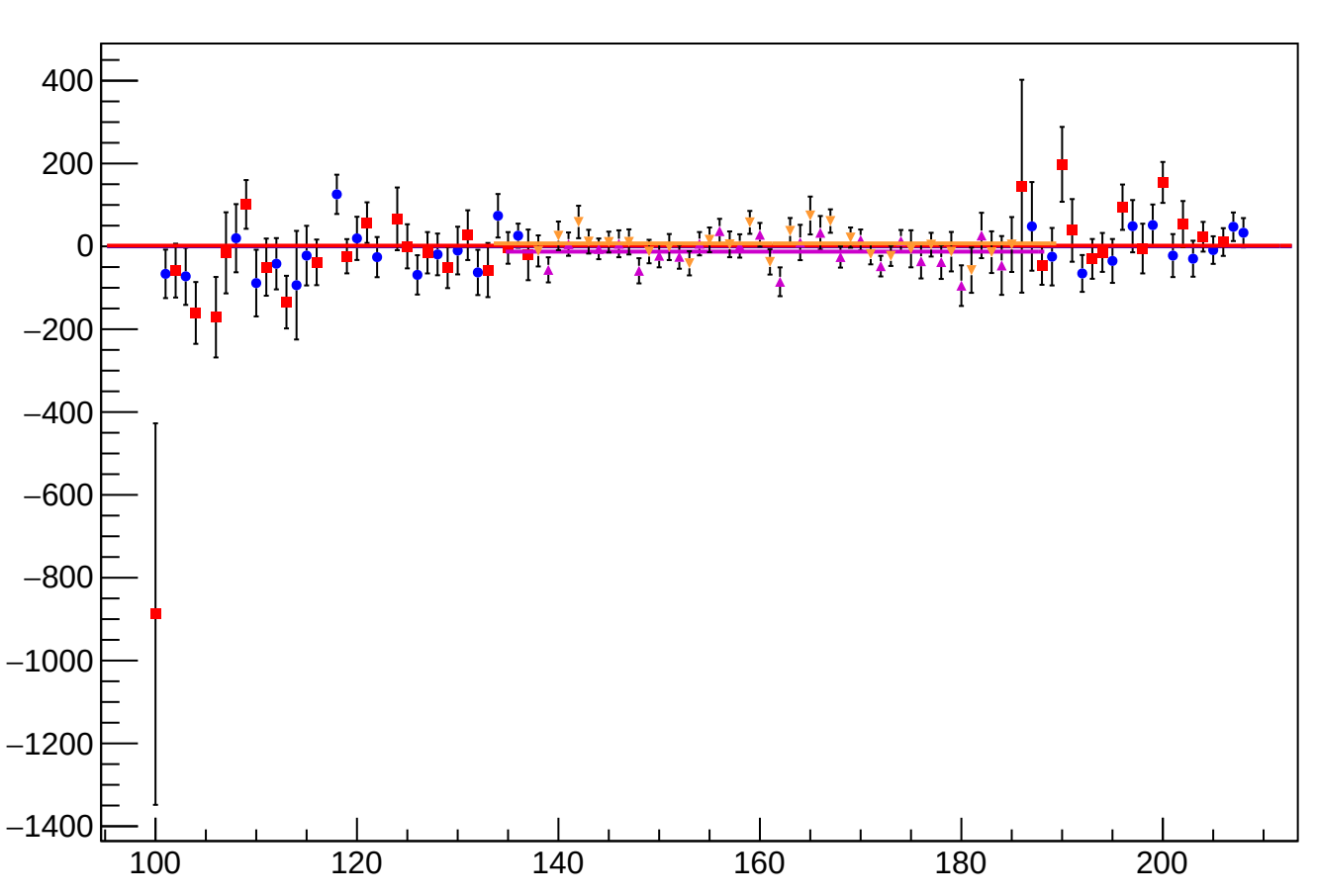
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 421.950+/-0.055 χ^2/NDF: 5610394.2/57

In: 196.943+/-0.027 χ^2/NDF:12844664.2/49

Out: 196.298+/-0.026 χ^2/NDF:14509442.9/55

All: 196.615+/-0.019 χ^2/NDF: 27354406.9/10



Right In: 0.113+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 1.618+/-9.908 χ^2/NDF: 46.5/30

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

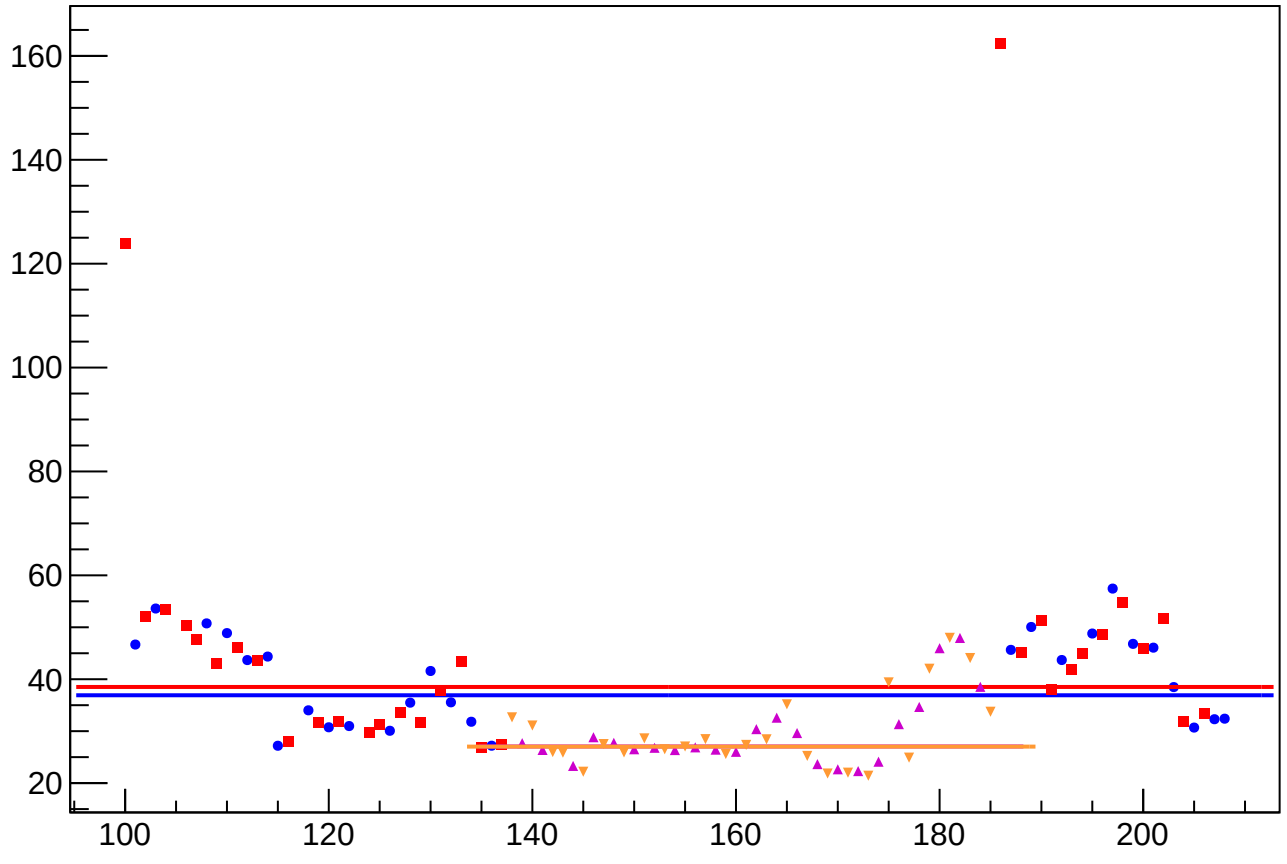
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 0.842+/-6.898 χ^2/NDF: 73.1/57

In: -8.664+/-5.392 χ^2/NDF:53.4/49

Out: 5.495+/-5.336 χ^2/NDF:69.5/55

All: -1.511+/-3.793 χ^2/NDF: 126.4/105



Right In: 36.912+/-0.007 χ^2/NDF: 1432155.8/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 38.510+/-0.007 χ^2/NDF: 1958255.7/30

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

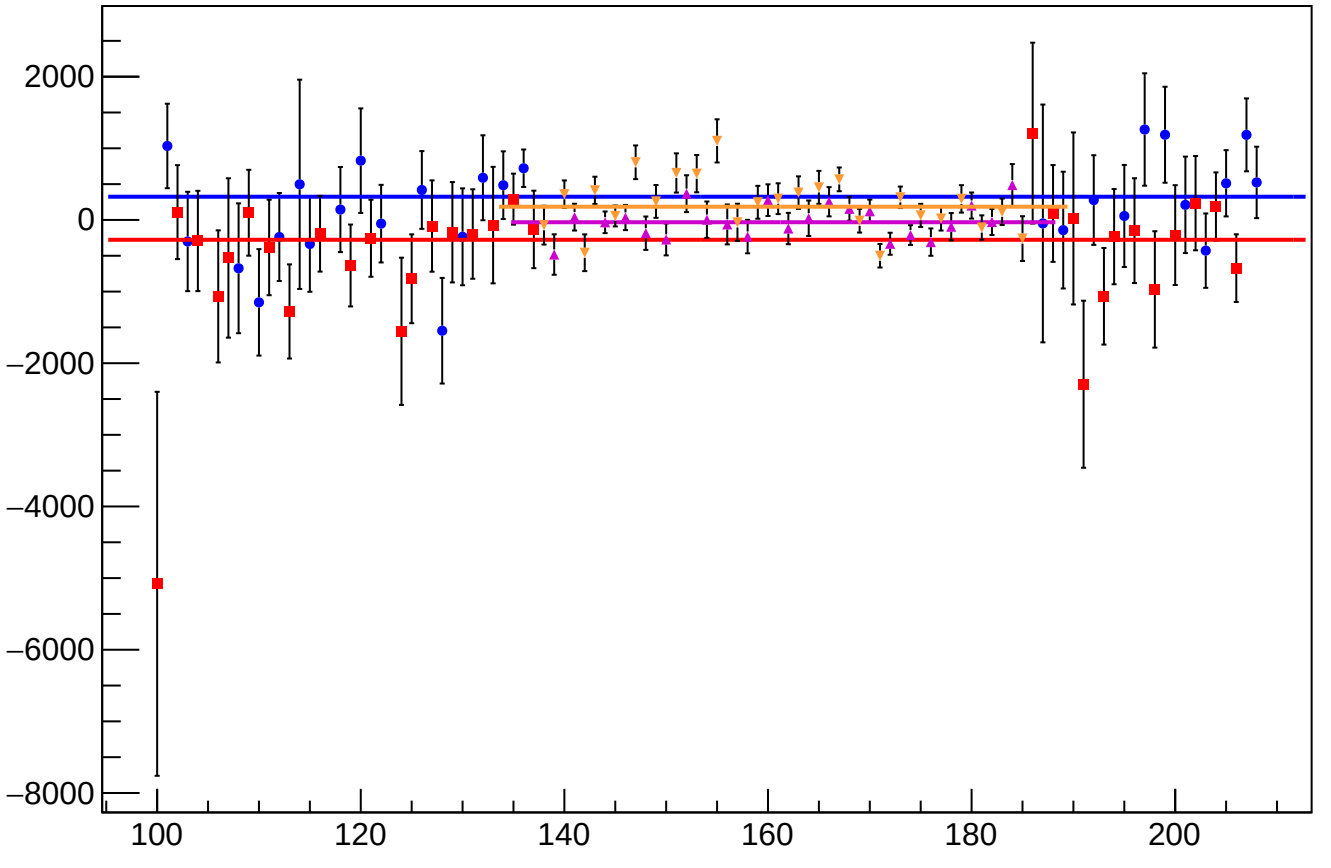
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.686+/-0.005 χ^2/NDF: 3417225.7/57

In: 30.156+/-0.004 χ^2/NDF:3919189.6/49

Out: 30.357+/-0.004 χ^2/NDF:5296024.7/55

All: 30.257+/-0.003 χ^2/NDF: 9216620.2/105



Right In: 324.082+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -276.995+/-117.255 χ^2/NDF: 21.8/30

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

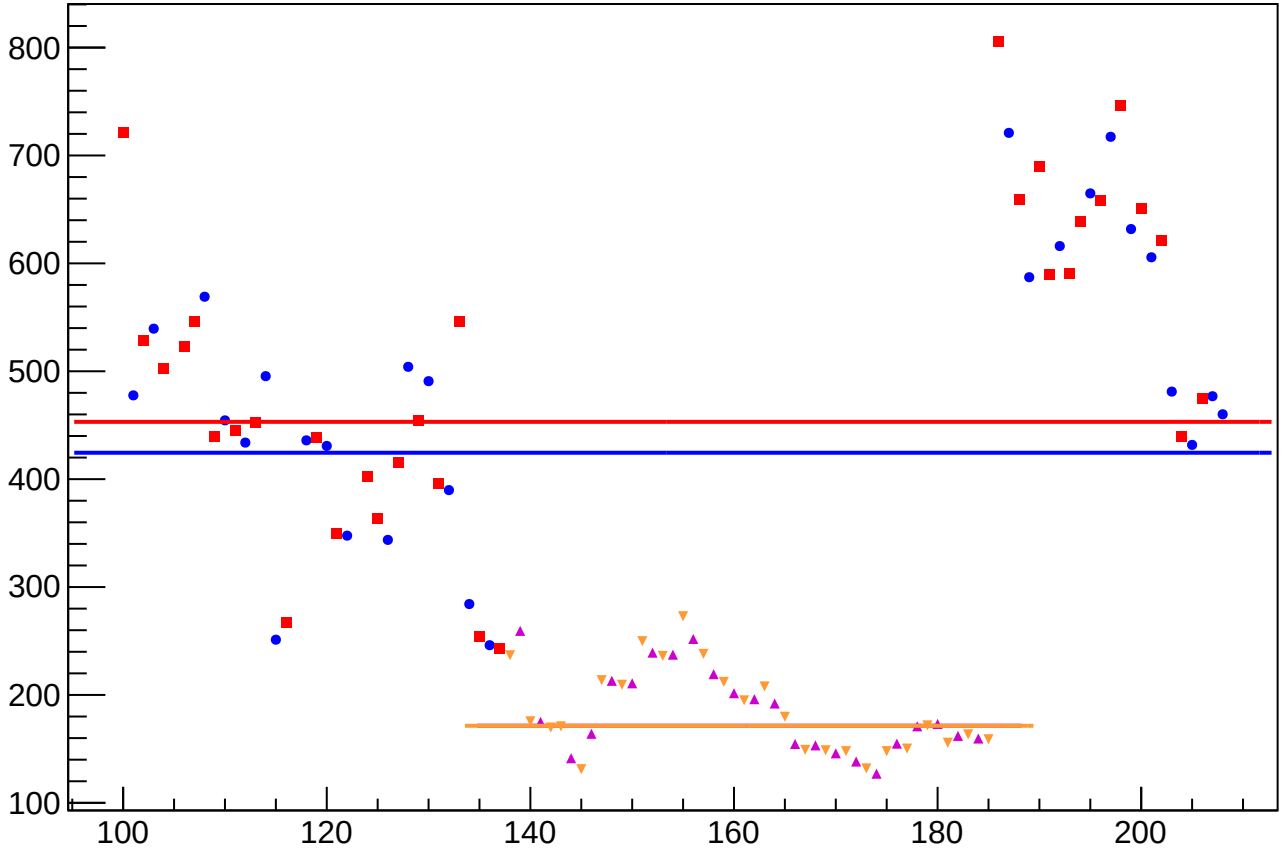
Right: 36.976+/-81.038 χ^2/NDF: 64.5/57

In: 10.046+/-38.486 χ^2/NDF:64.3/49

Out: 136.911+/-37.715 χ^2/NDF:103.4/55

All: 74.761+/-26.937 χ^2/NDF: 173.2/105

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.489+/-0.079 χ^2/NDF: 2735577.6/26

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 453.124+/-0.083 χ^2/NDF: 2828146.1/30

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

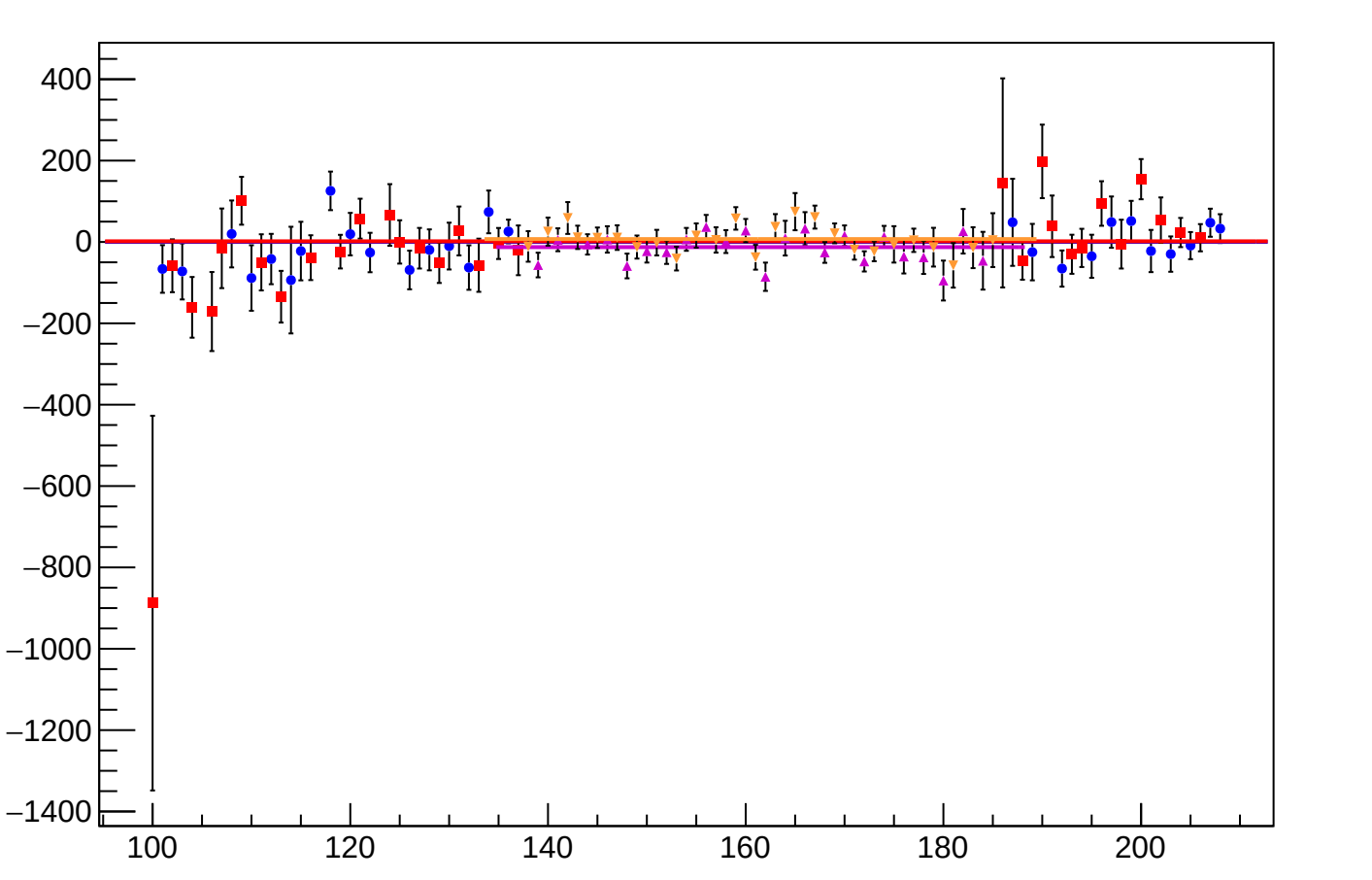
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 438.167+/-0.057 χ^2/NDF: 5626027.2/57

In: 201.296+/-0.027 χ^2/NDF:13134221.5/49

Out: 200.571+/-0.027 χ^2/NDF:14704031.1/55

All: 200.926+/-0.019 χ^2/NDF: 27838614.5/10



Right In: 0.111+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 1.617+/-9.908 χ^2/NDF: 46.5/30

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

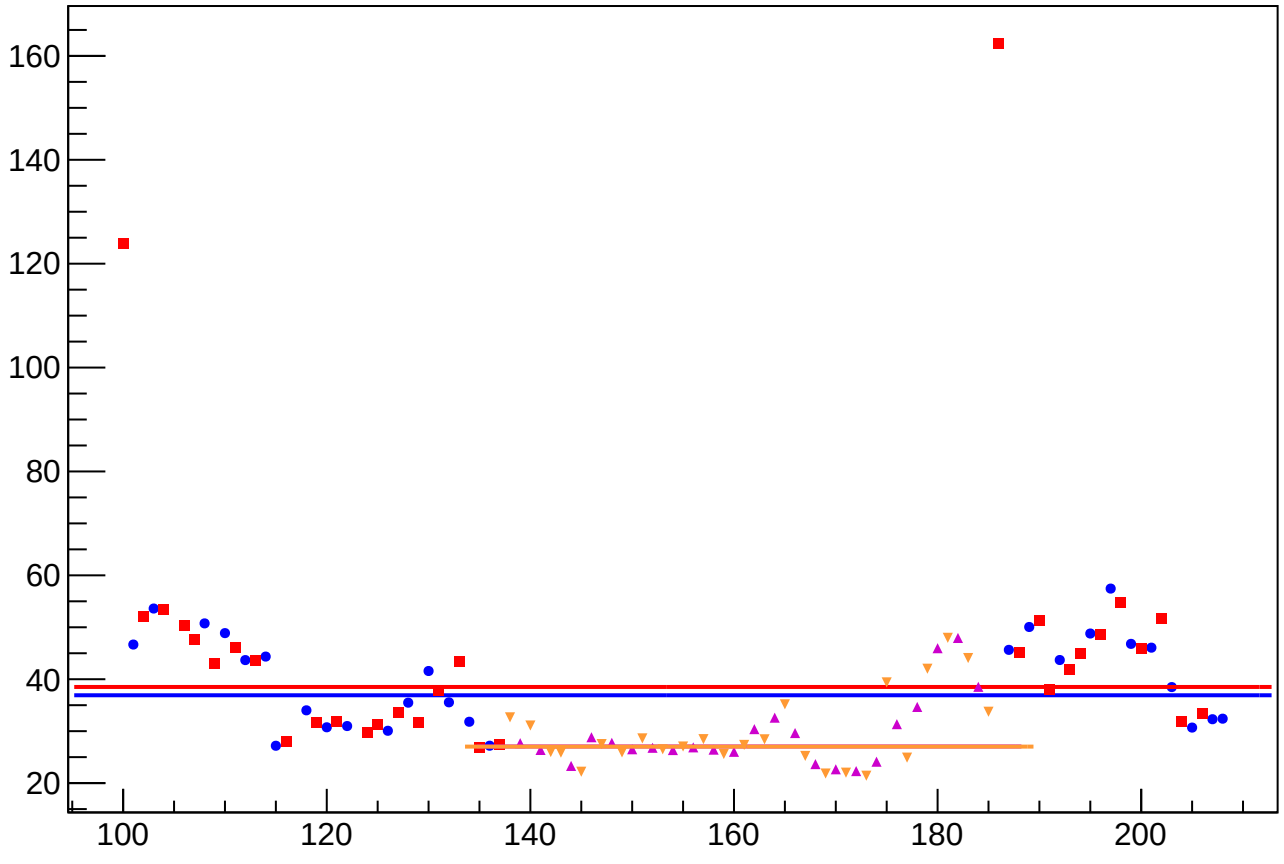
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 0.841+/-6.898 χ^2/NDF: 73.1/57

In: -8.665+/-5.392 χ^2/NDF:53.4/49

Out: 5.495+/-5.336 χ^2/NDF:69.5/55

All: -1.512+/-3.793 χ^2/NDF: 126.4/105



Right In: 36.911+/-0.007 χ^2/NDF: 1432127.0/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 38.510+/-0.007 χ^2/NDF: 1958262.5/30

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

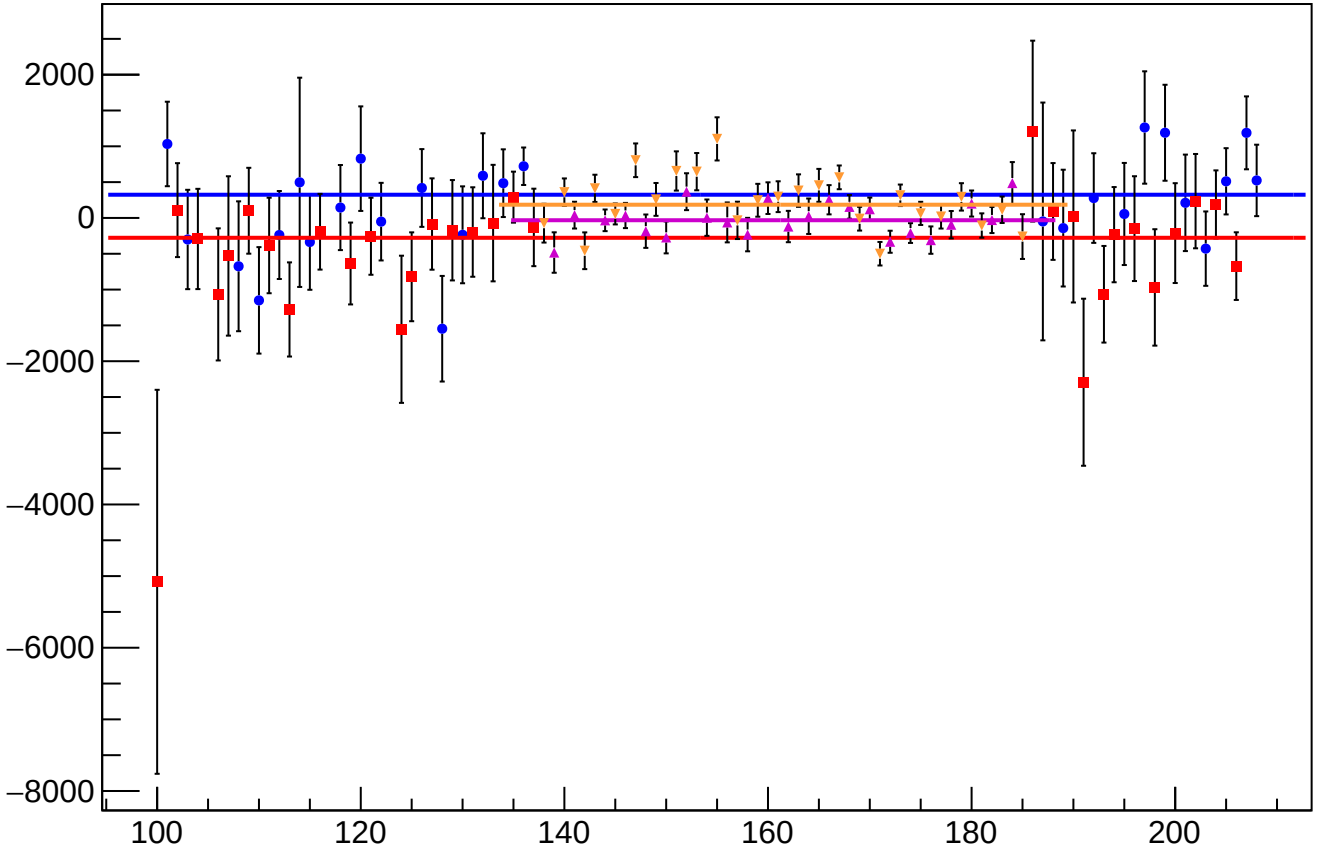
Right: 37.686+/-0.005 χ^2/NDF: 3417204.9/57

In: 30.156+/-0.004 χ^2/NDF:3919069.6/49

Out: 30.357+/-0.004 χ^2/NDF:5295960.8/55

All: 30.258+/-0.003 χ^2/NDF: 9216436.8/105

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 324.079+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -276.996+/-117.255 χ^2/NDF: 21.8/30

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

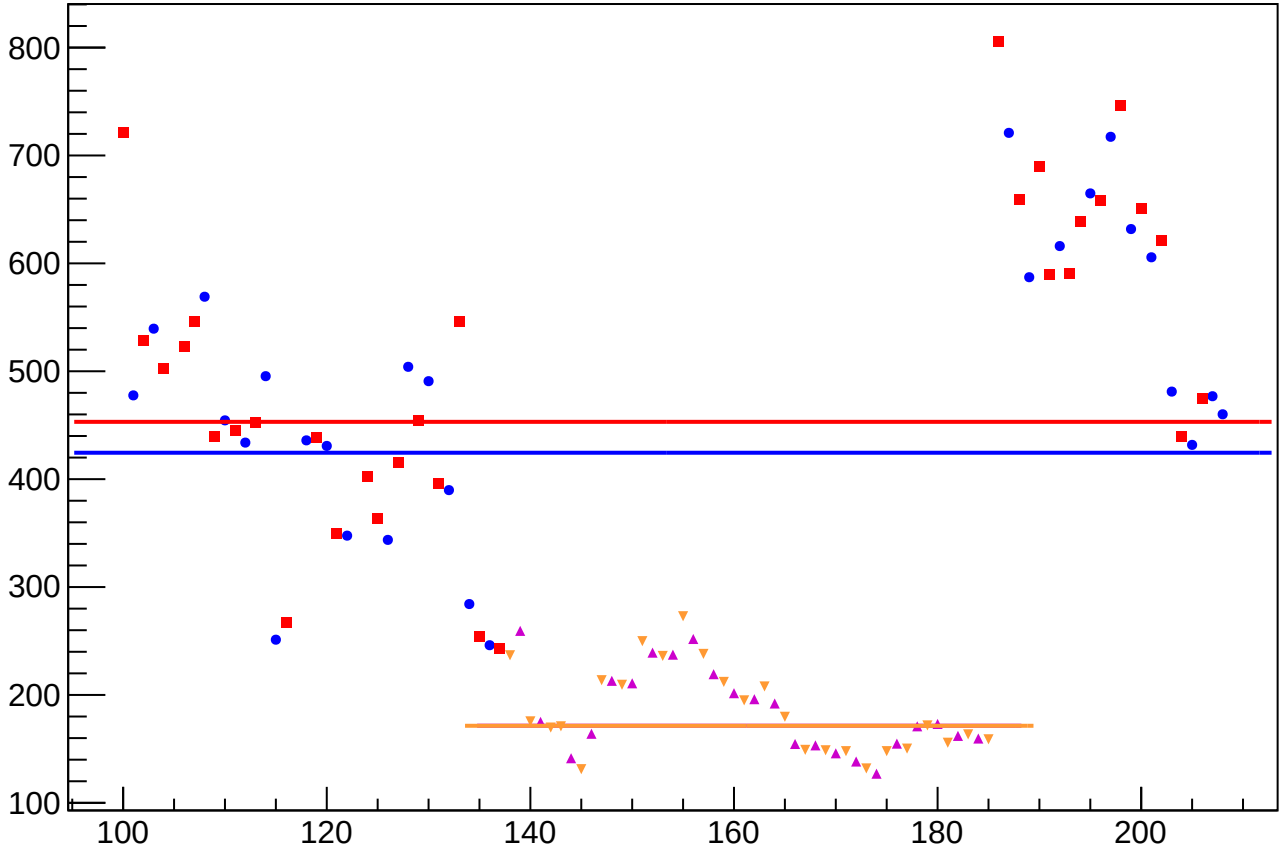
Right: 36.975+/-81.038 χ^2/NDF: 64.5/57

In: 10.046+/-38.486 χ^2/NDF:64.3/49

Out: 136.910+/-37.715 χ^2/NDF:103.4/55

All: 74.761+/-26.937 χ^2/NDF: 173.2/105

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.488+/-0.079 χ^2/NDF: 2735585.1/26

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 453.123+/-0.083 χ^2/NDF: 2828158.2/30

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

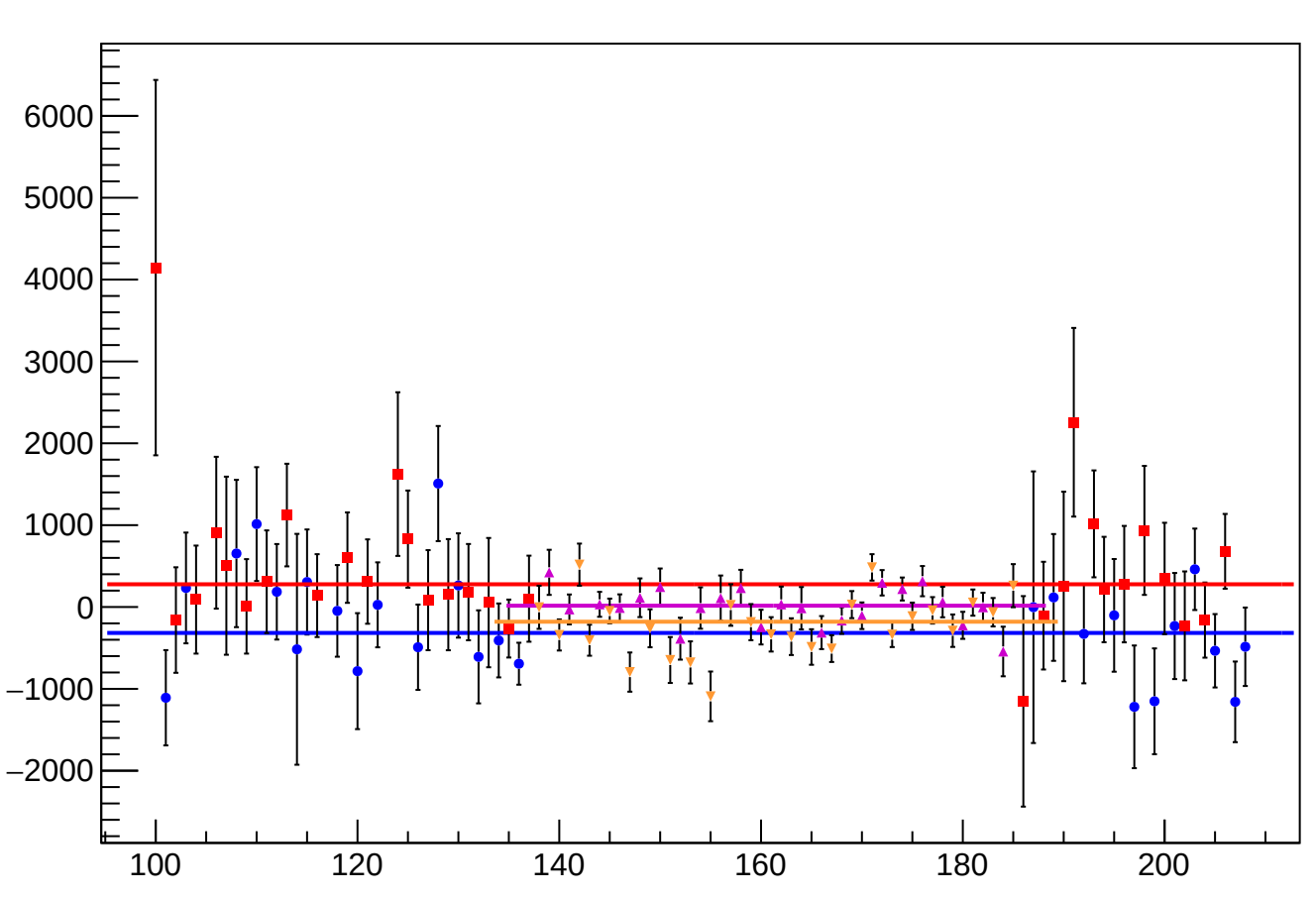
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 438.166+/-0.057 χ^2/NDF: 5626046.9/57

In: 201.295+/-0.027 χ^2/NDF:13134267.3/49

Out: 200.570+/-0.027 χ^2/NDF:14704078.7/55

All: 200.925+/-0.019 χ^2/NDF: 27838707.8/10



Right In: -316.817+/-108.133 χ^2/NDF: 29.6/26

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 277.556+/-113.639 χ^2/NDF: 20.5/30

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

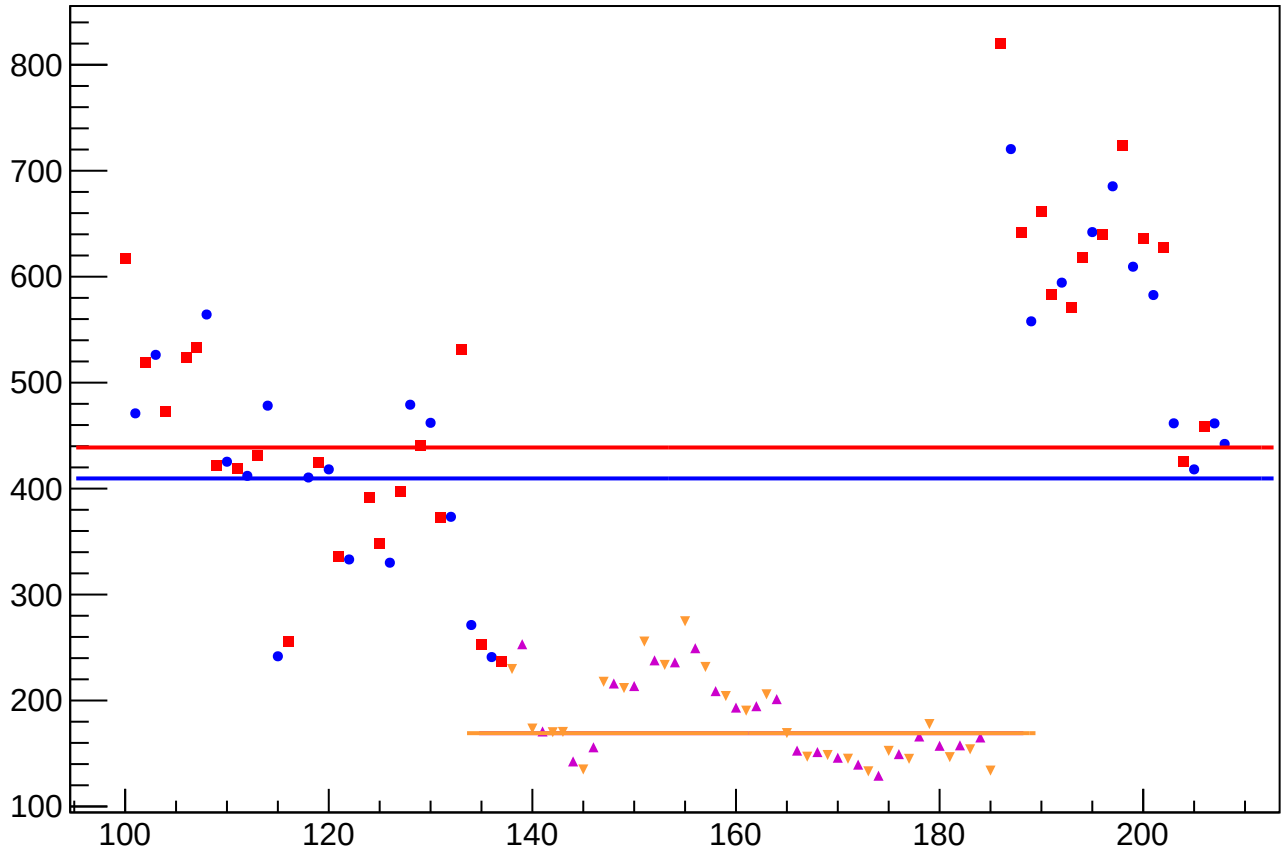
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -34.377+/-78.336 χ^2/NDF: 64.5/57

In: -24.710+/-37.842 χ^2/NDF:64.5/49

Out: -130.673+/-37.195 χ^2/NDF:102.1/55

All: -78.605+/-26.527 χ^2/NDF: 170.6/105



Right In: 409.593+/-0.076 χ^2/NDF: 2685440.0/26

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 438.811+/-0.080 χ^2/NDF: 2855627.6/30

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

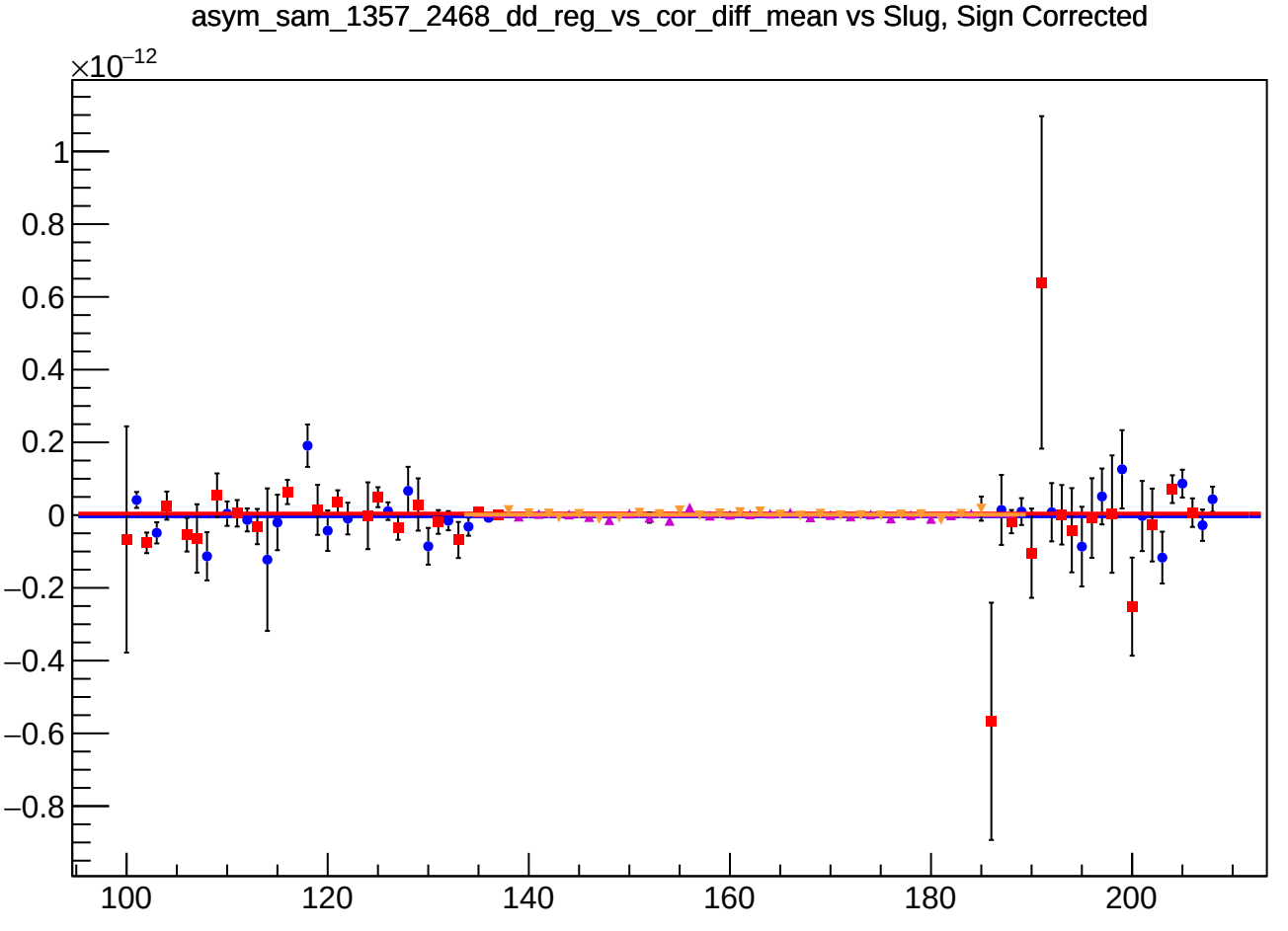
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 423.477+/-0.055 χ^2/NDF: 5610455.4/57

In: 198.629+/-0.027 χ^2/NDF:12734812.5/49

Out: 198.068+/-0.026 χ^2/NDF:14456470.3/55

All: 198.344+/-0.019 χ^2/NDF: 27191506.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

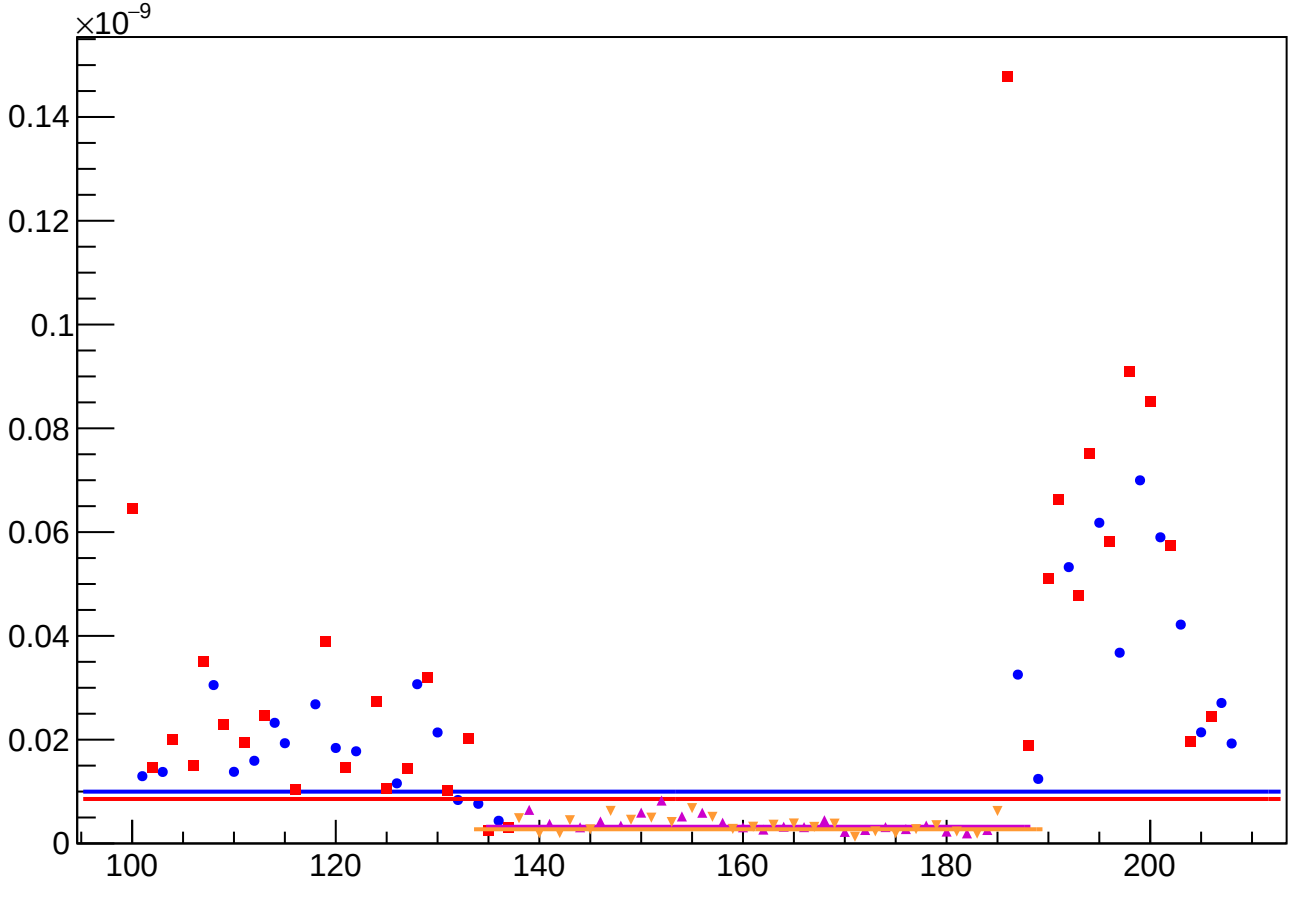
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 77.5/57

In: -0.000+/-0.000 χ^2/NDF:60.2/49

Out: 0.000+/-0.000 χ^2/NDF:55.2/55

All: 0.000+/-0.000 χ^2/NDF: 118.7/105



Right In: 0.000+/-0.000 χ^2/NDF: 5770771.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8110340.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

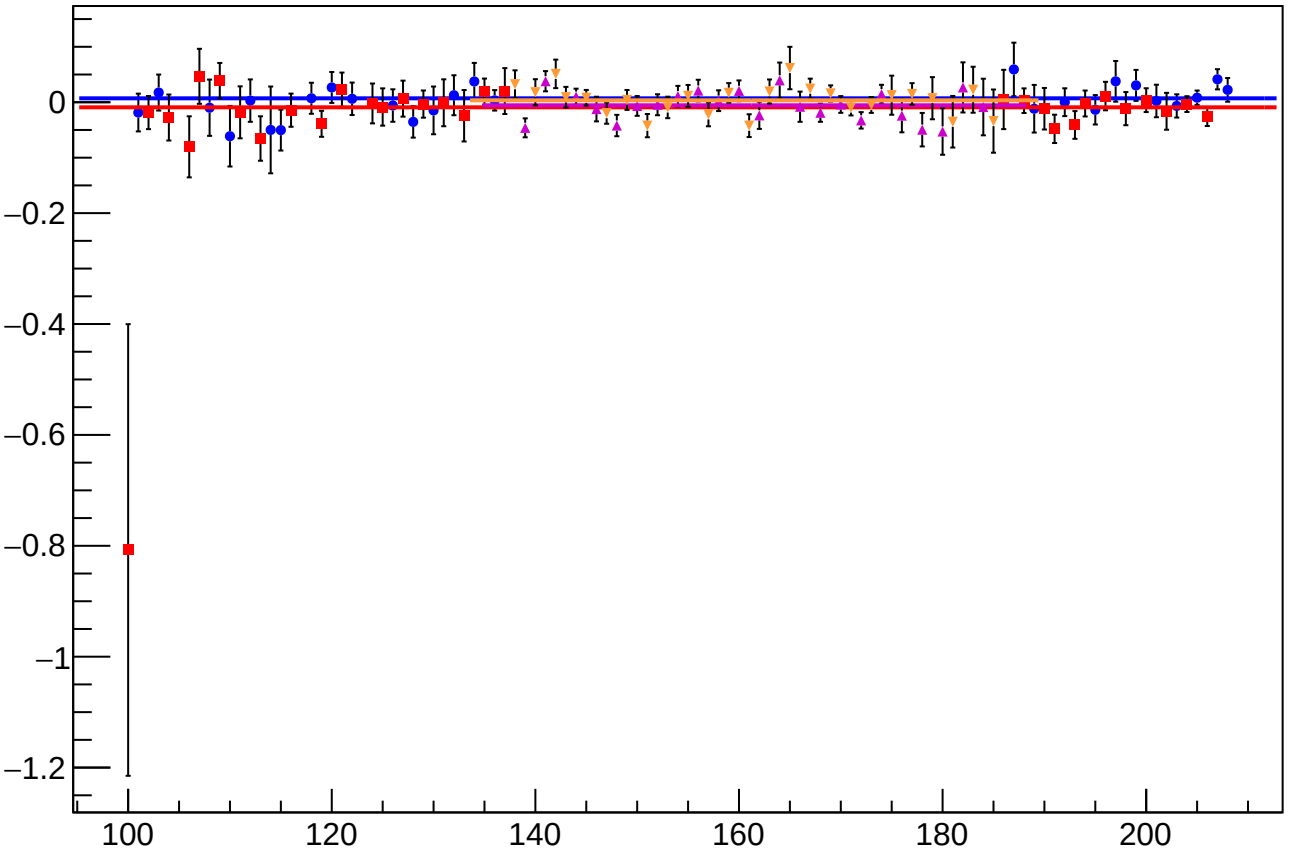
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13950824.1/57

In: 0.000+/-0.000 χ^2/NDF:10108900.2/49

Out: 0.000+/-0.000 χ^2/NDF:12327604.0/55

All: 0.000+/-0.000 χ^2/NDF: 22687439.6/105



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

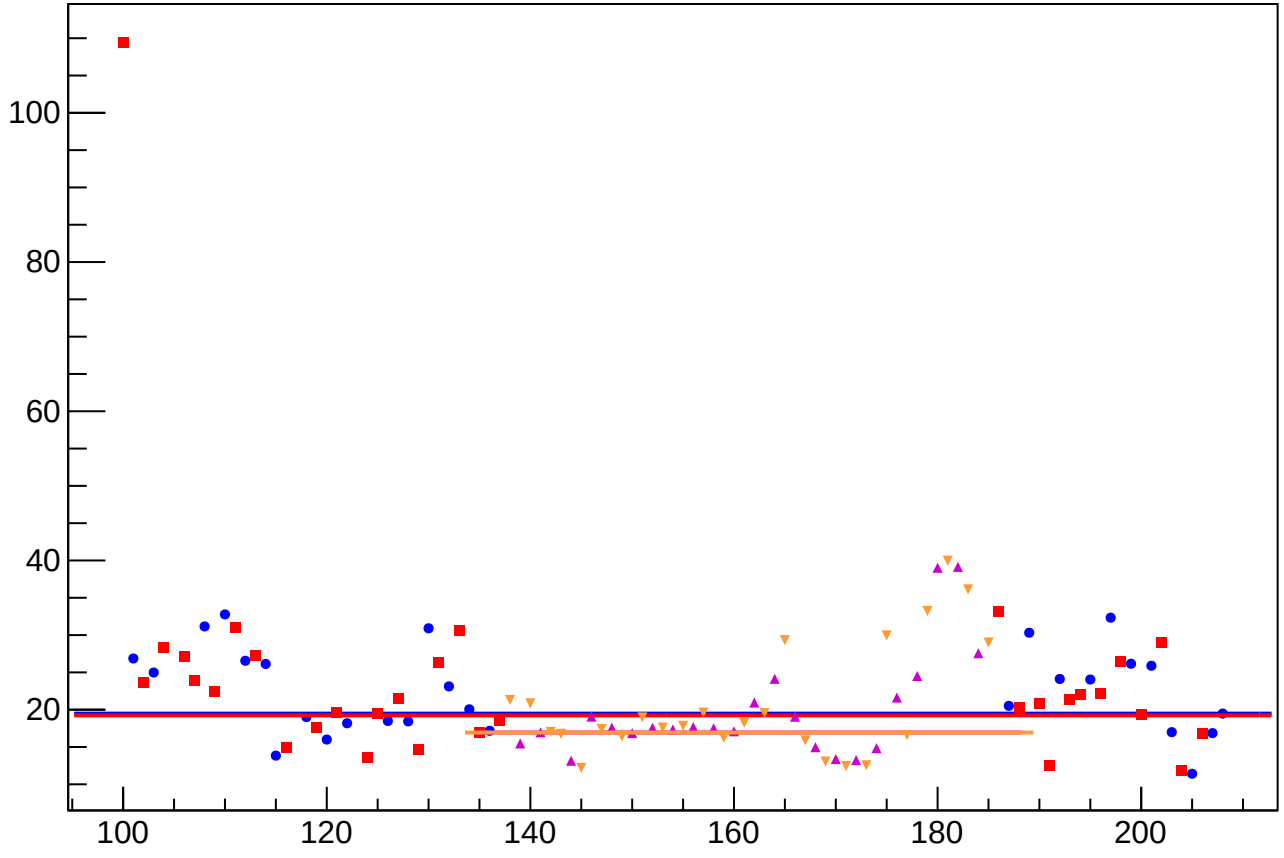
Right: -0.001+/-0.004 χ^2/NDF: 45.1/57

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 107.6/105

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

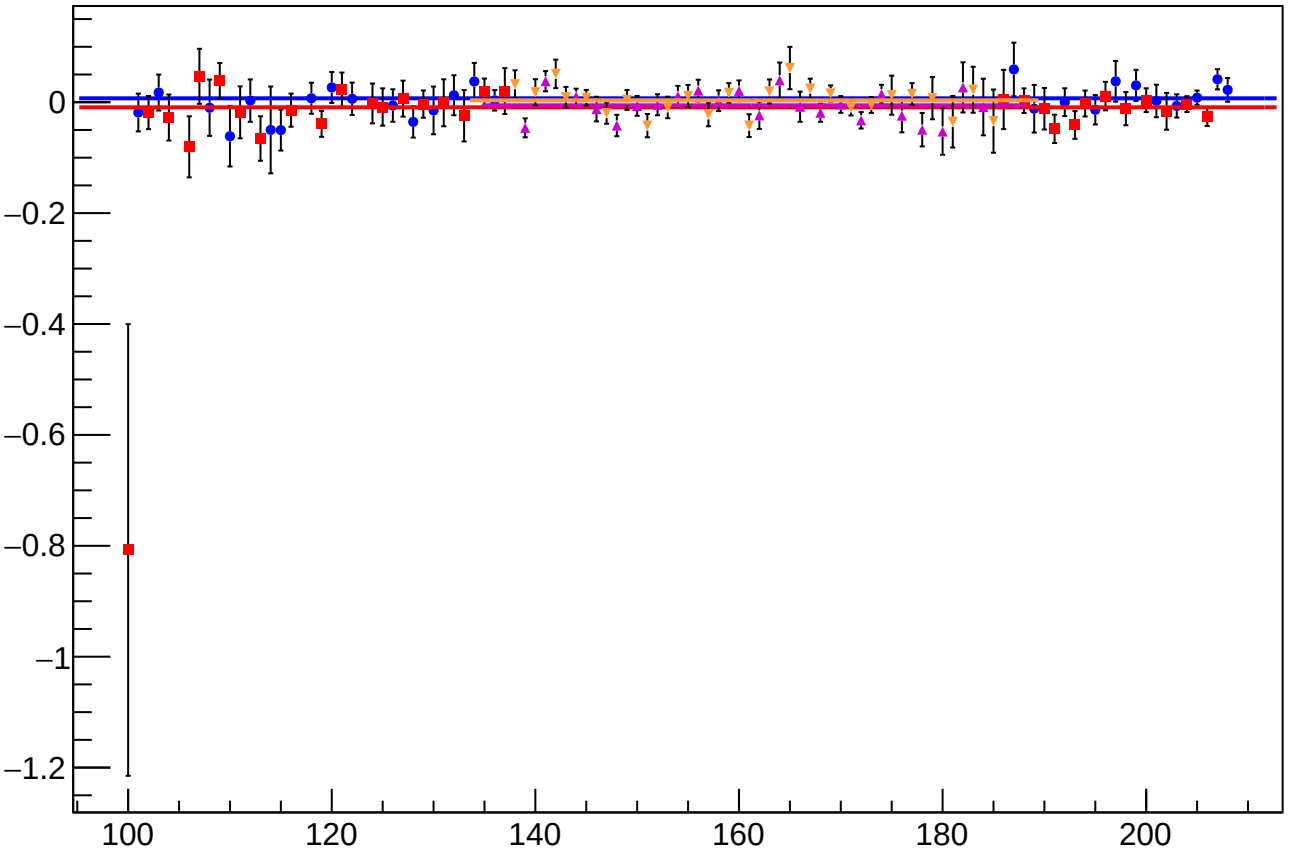
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.352+/-0.003 χ^2/NDF: 4417619.6/57

In: 17.923+/-0.002 χ^2/NDF:4525811.7/49

Out: 17.836+/-0.002 χ^2/NDF:5197425.9/55

All: 17.878+/-0.002 χ^2/NDF: 9723970.5/105



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

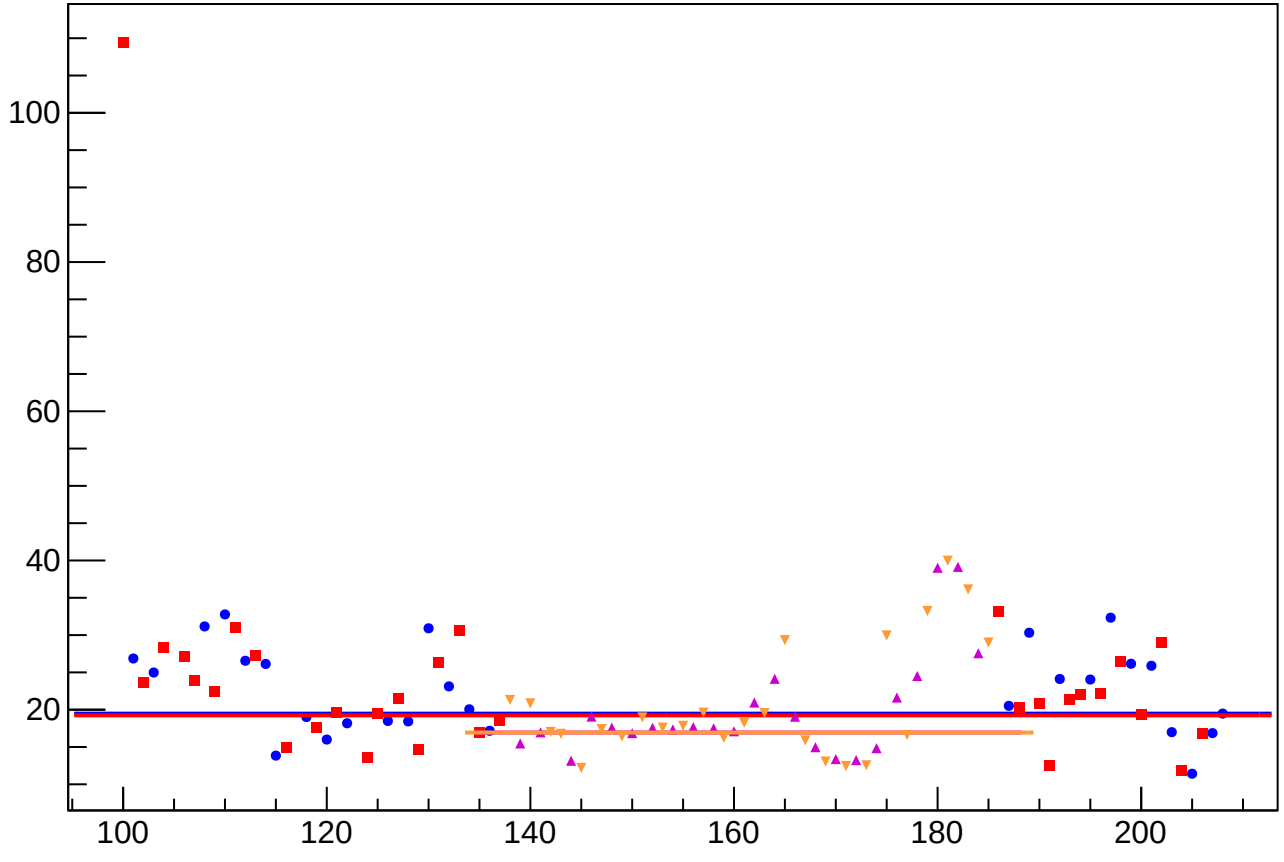
Right: -0.001+/-0.004 χ^2/NDF: 45.1/57

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 107.6/105

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

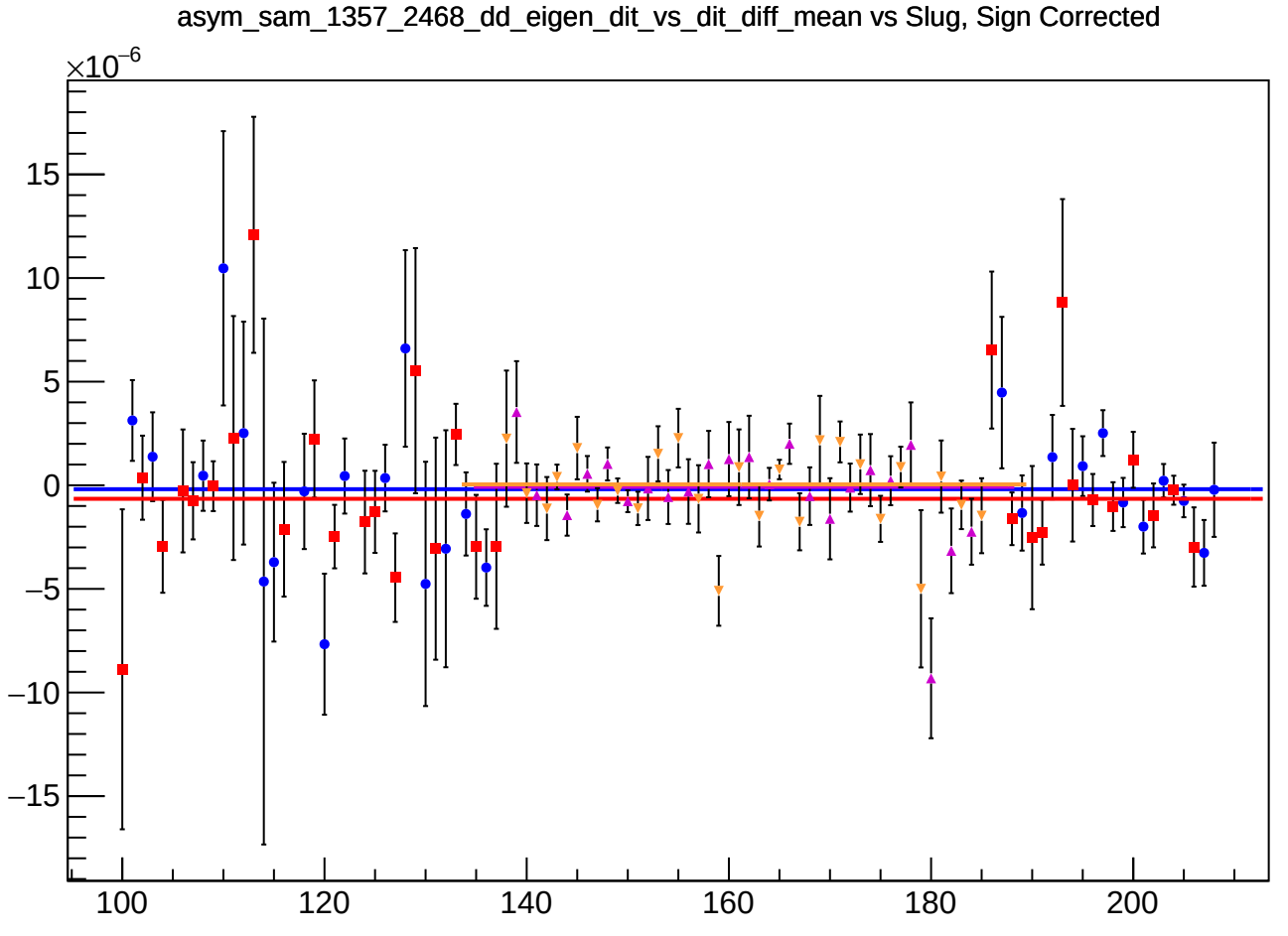
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.352+/-0.003 χ^2/NDF: 4417619.6/57

In: 17.923+/-0.002 χ^2/NDF:4525811.7/49

Out: 17.836+/-0.002 χ^2/NDF:5197425.9/55

All: 17.878+/-0.002 χ^2/NDF: 9723970.5/105



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/30

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

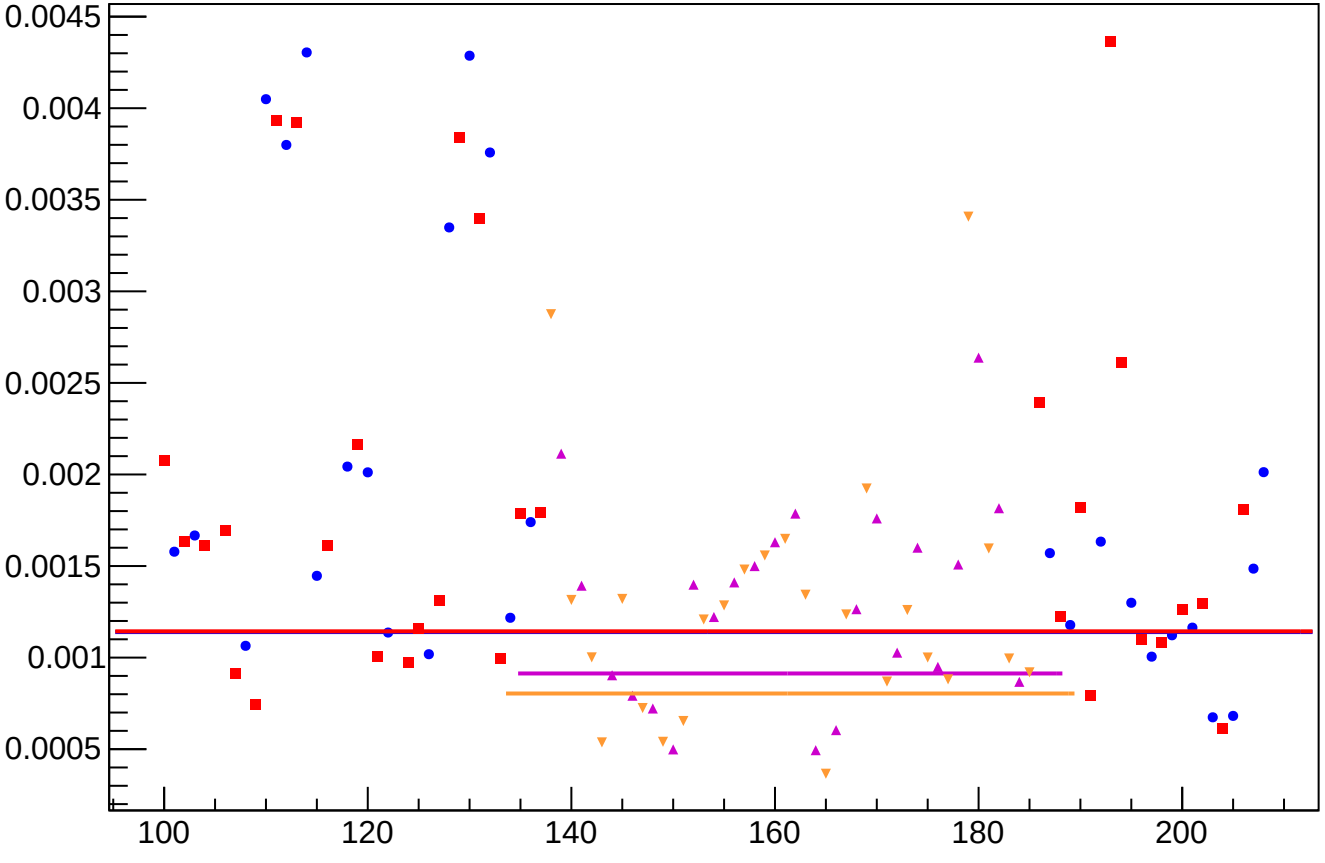
Right: -0.000+/-0.000 χ^2/NDF: 71.2/57

In: -0.000+/-0.000 χ^2/NDF:66.9/49

Out: -0.000+/-0.000 χ^2/NDF:74.8/55

All: -0.000+/-0.000 χ^2/NDF: 141.7/105

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5163189.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6044334.8/30

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

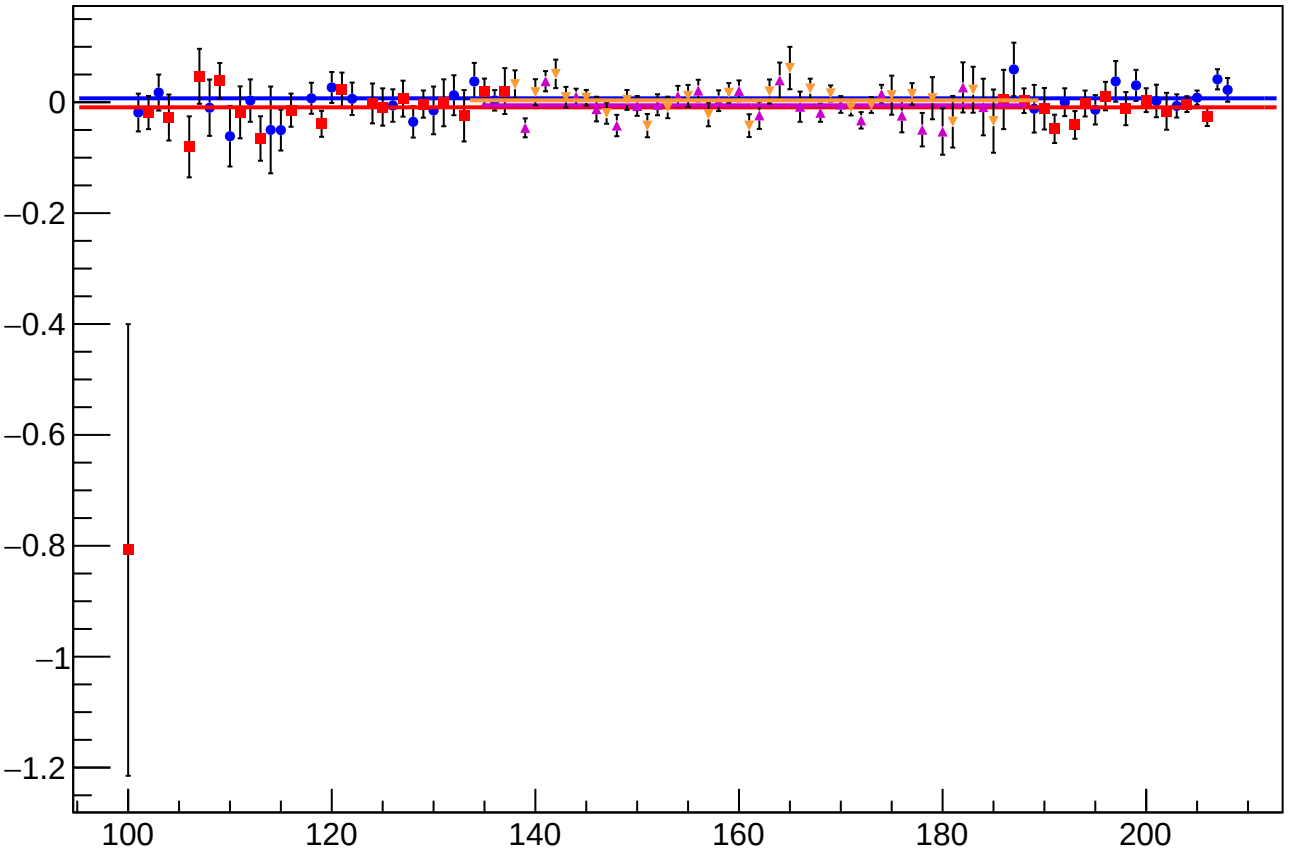
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 11207686.3/57

In: 0.001+/-0.000 χ^2/NDF:12228179.6/49

Out: 0.001+/-0.000 χ^2/NDF:15870148.4/55

All: 0.001+/-0.000 χ^2/NDF: 28334840.9/105



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

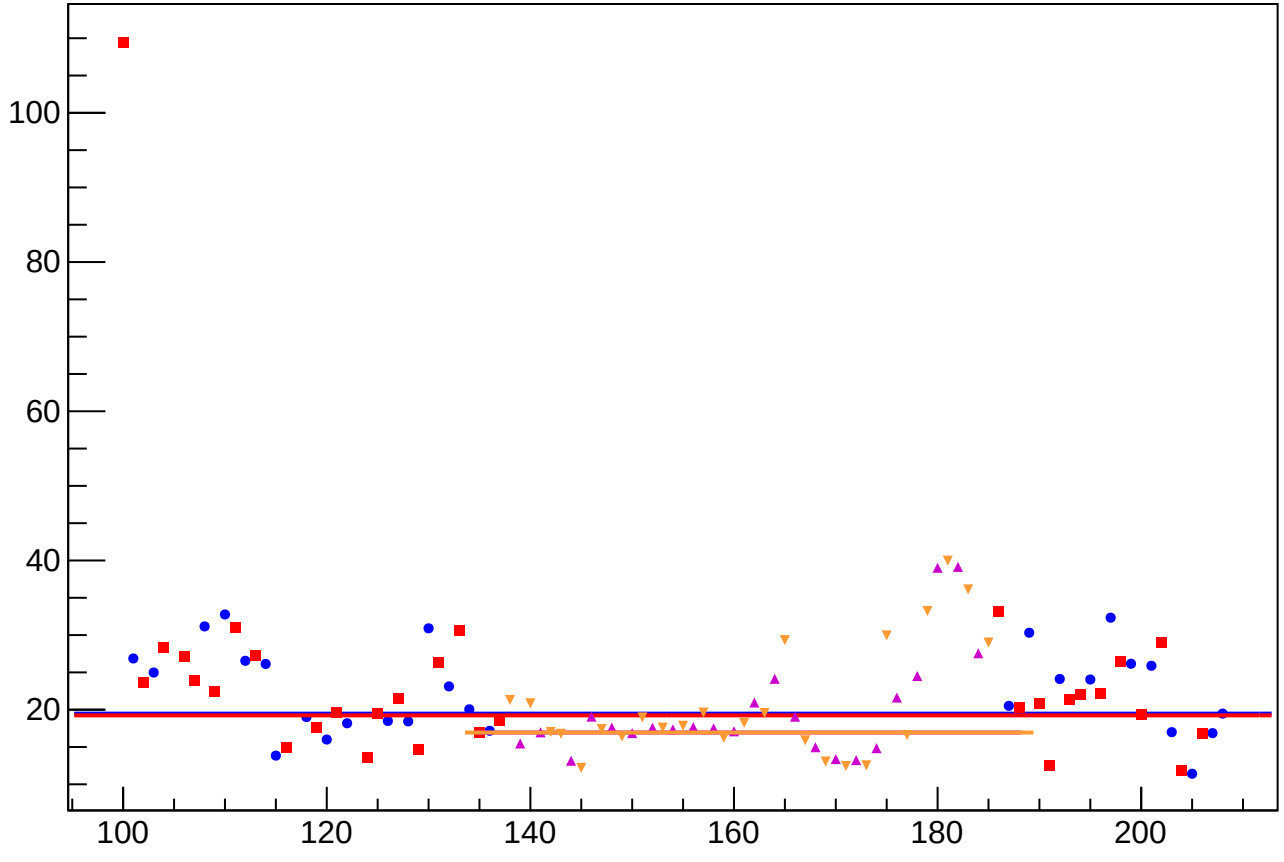
Right: -0.001+/-0.004 χ^2/NDF: 45.1/57

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 107.6/105

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

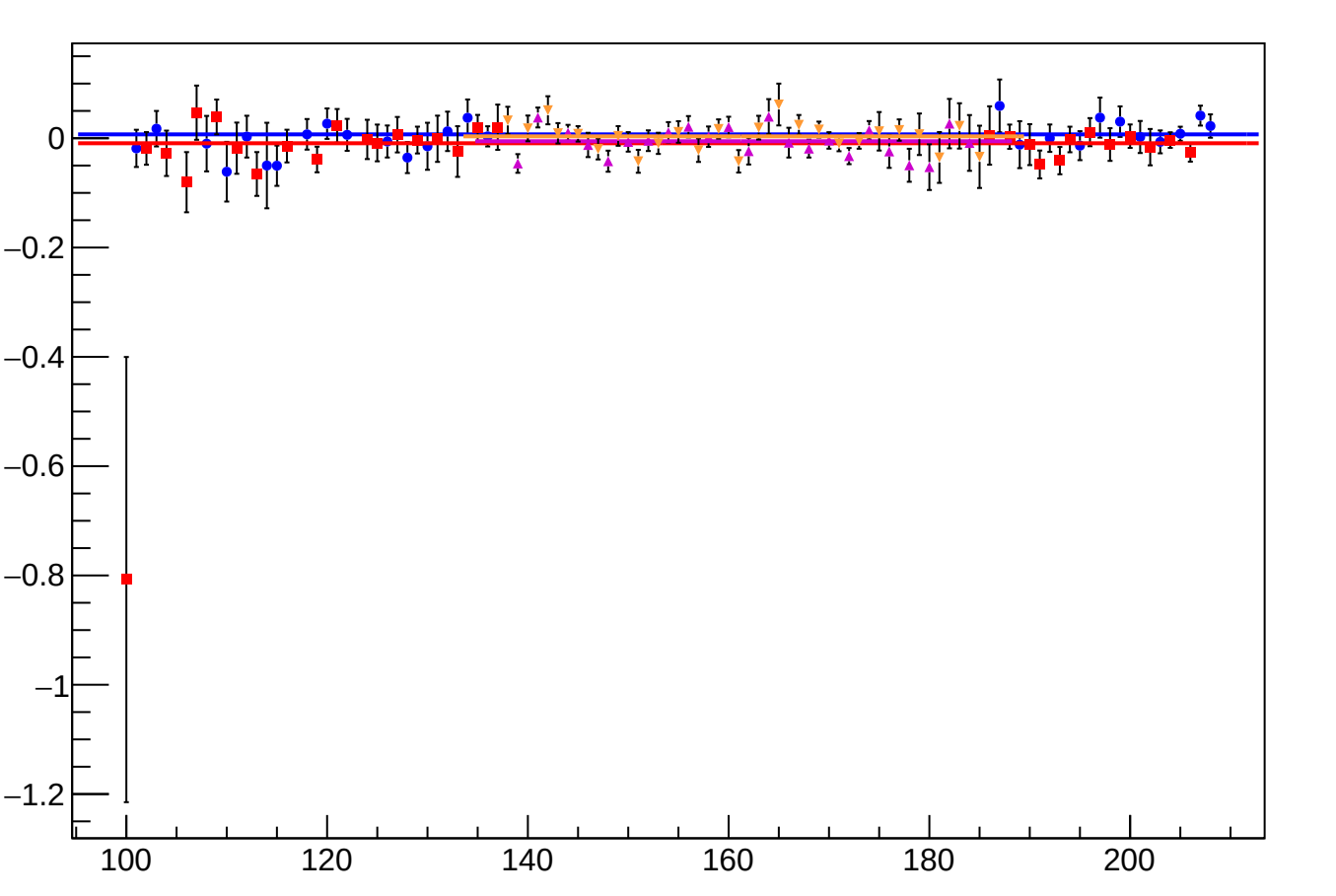
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.352+/-0.003 χ^2/NDF: 4417666.3/57

In: 17.923+/-0.002 χ^2/NDF:4525721.8/49

Out: 17.836+/-0.002 χ^2/NDF:5197376.8/55

All: 17.878+/-0.002 χ^2/NDF: 9723830.8/105



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

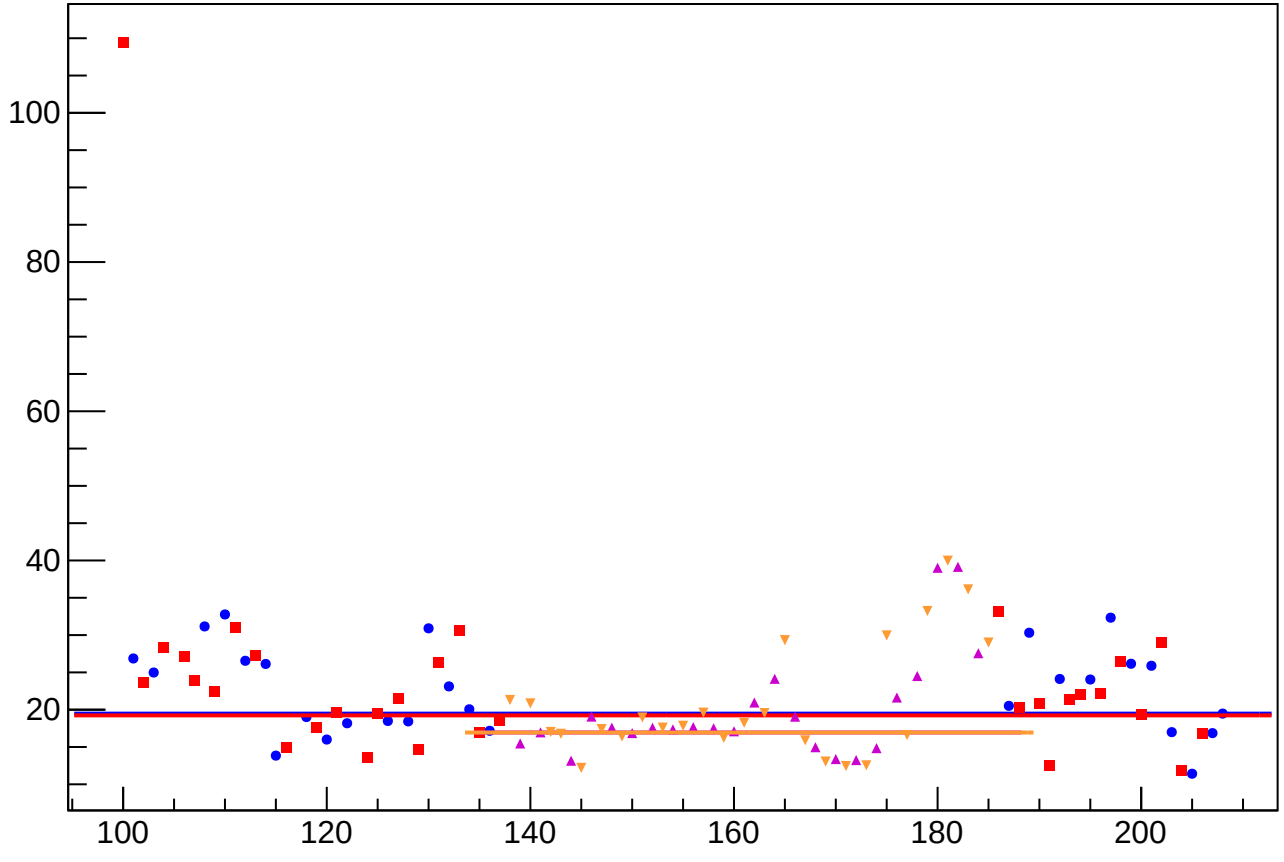
Right: -0.001+/-0.004 χ^2/NDF: 45.1/57

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 107.6/105

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

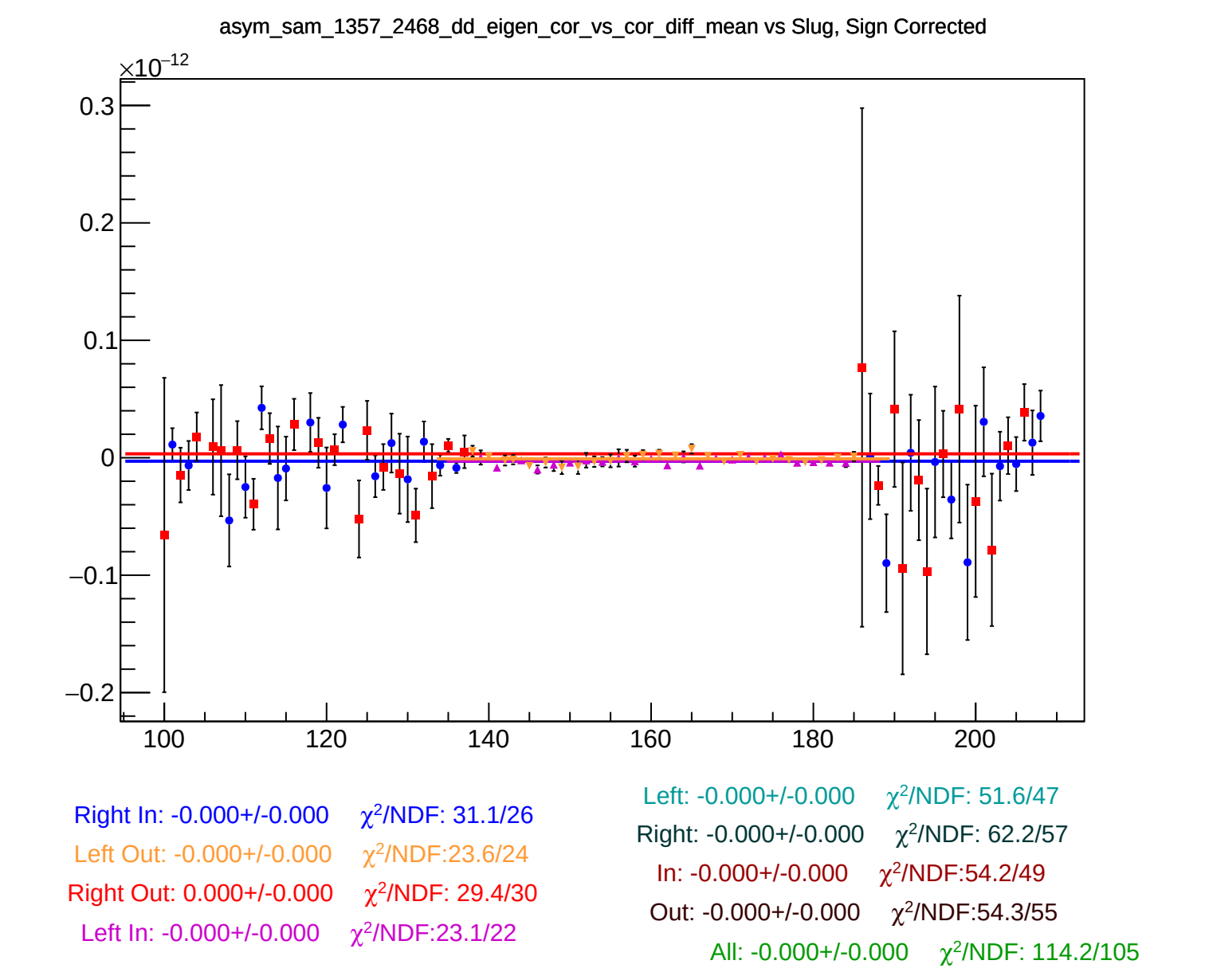
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.352+/-0.003 χ^2/NDF: 4417666.3/57

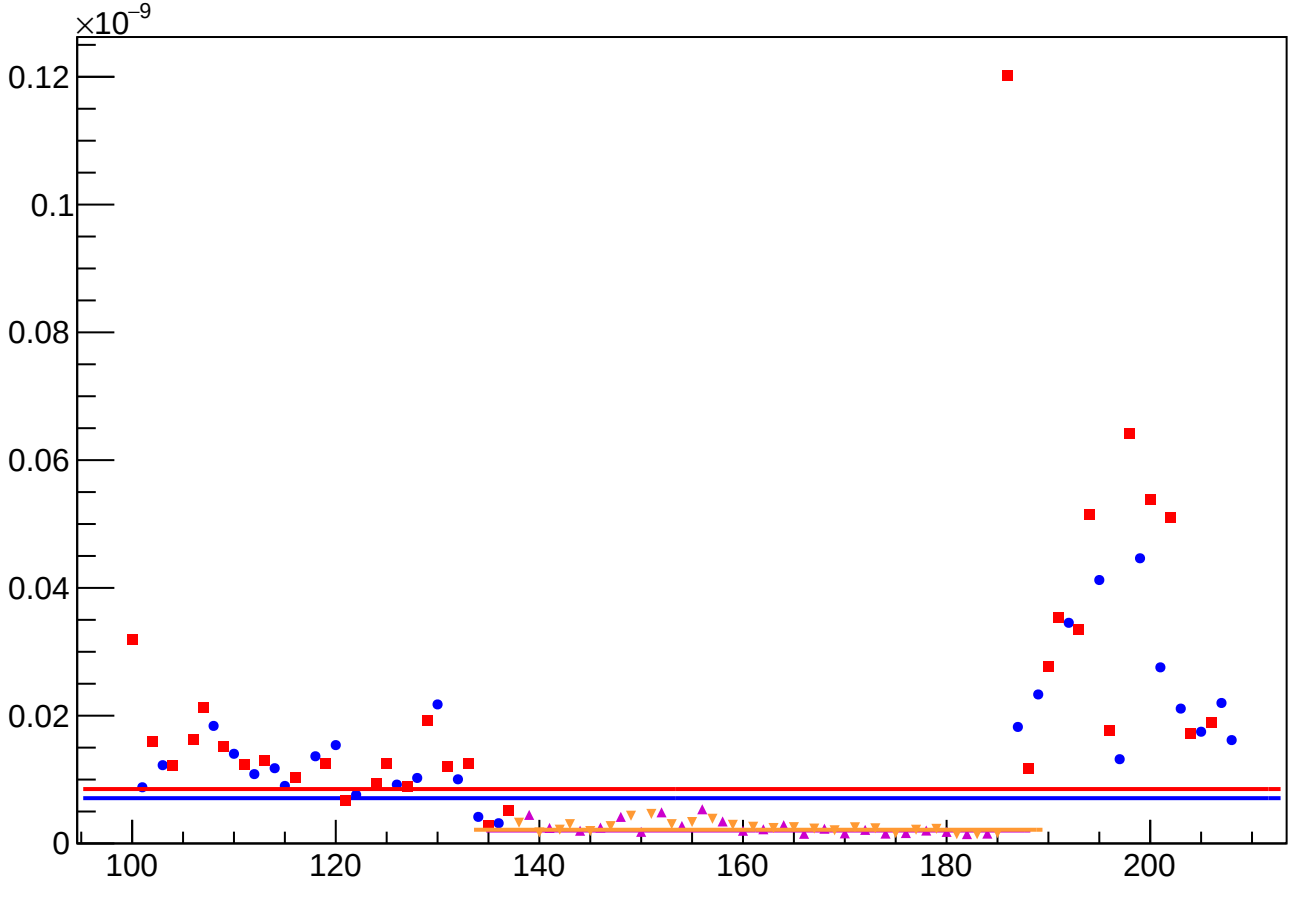
In: 17.923+/-0.002 χ^2/NDF:4525721.8/49

Out: 17.836+/-0.002 χ^2/NDF:5197376.8/55

All: 17.878+/-0.002 χ^2/NDF: 9723830.8/105


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.1/26
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.4/30
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: -0.000+/-0.000 χ²/NDF: 62.2/57
In: -0.000+/-0.000 χ²/NDF:54.2/49
Out: -0.000+/-0.000 χ²/NDF:54.3/55
All: -0.000+/-0.000 χ²/NDF: 114.2/105

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7562377.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8466020.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

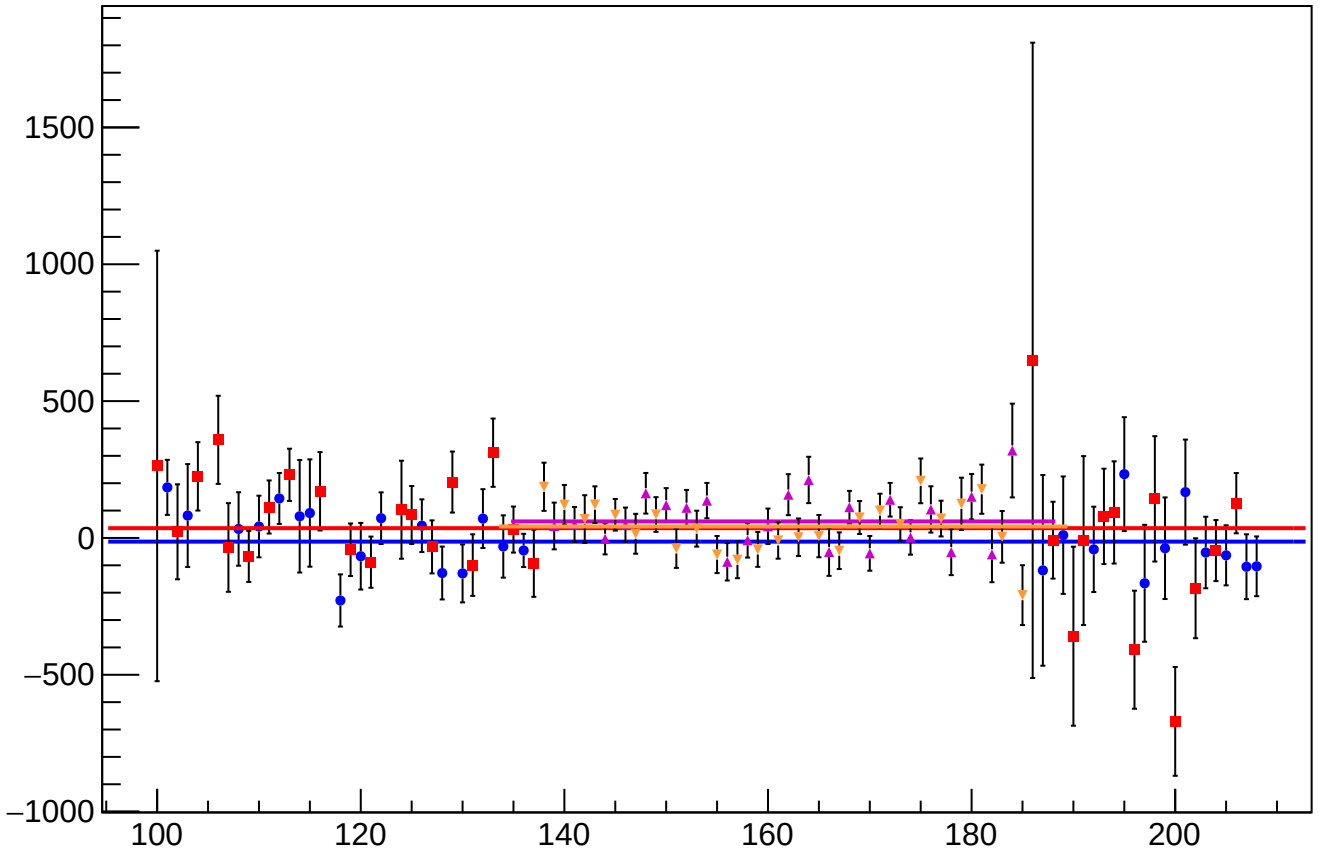
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16207998.9/57

In: 0.000+/-0.000 χ^2/NDF:15062030.8/49

Out: 0.000+/-0.000 χ^2/NDF:16650375.7/55

All: 0.000+/-0.000 χ^2/NDF: 31744645.6/105



Right In: -13.432+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.763+/-23.386 χ^2/NDF: 48.3/30

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

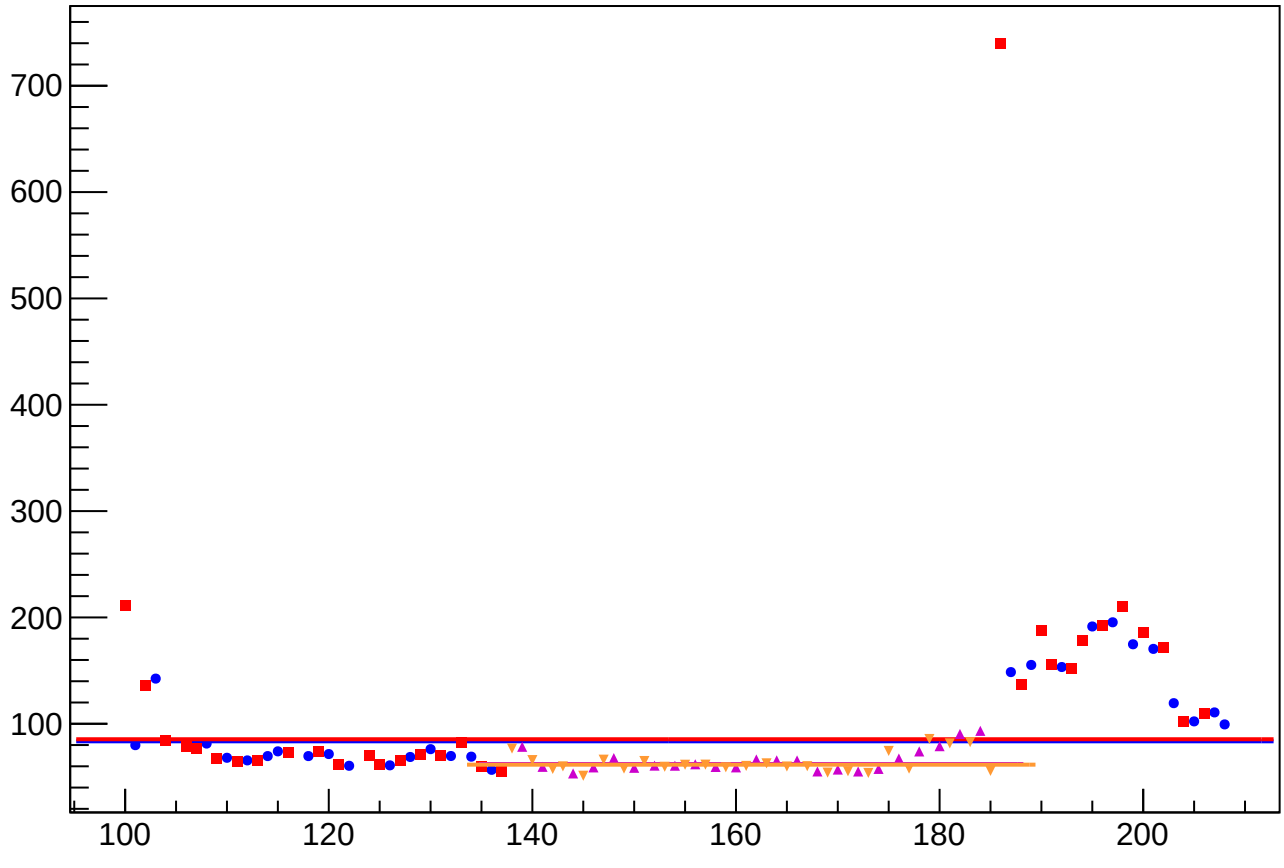
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 10.537+/-16.324 χ^2/NDF: 72.9/57

In: 38.671+/-12.362 χ^2/NDF:62.0/49

Out: 40.332+/-12.126 χ^2/NDF:80.4/55

All: 39.518+/-8.657 χ^2/NDF: 142.4/105



Right In: 83.510+/-0.016 χ^2/NDF: 4160897.6/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 85.452+/-0.017 χ^2/NDF: 5402636.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

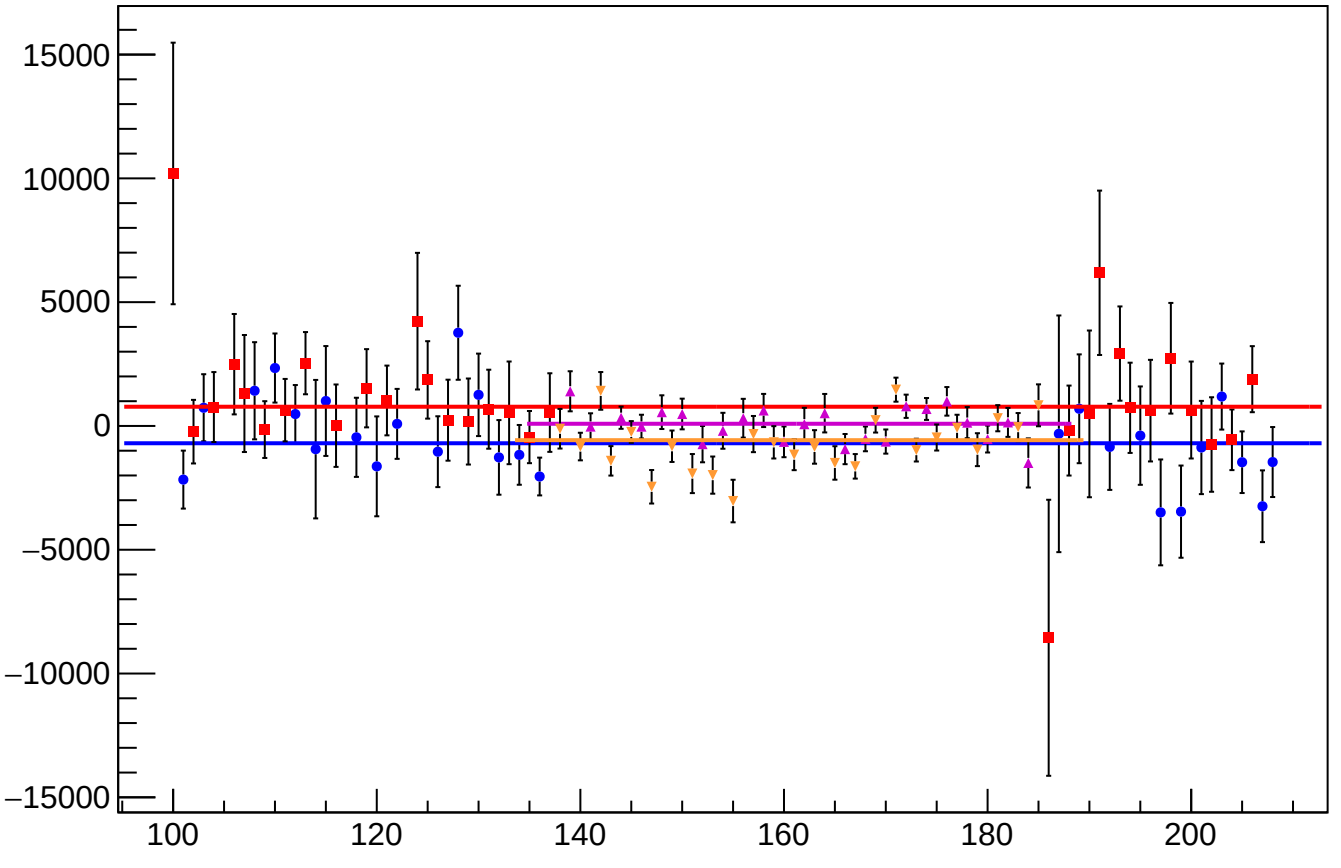
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 84.456+/-0.012 χ^2/NDF: 9570600.7/57

In: 68.428+/-0.009 χ^2/NDF:5997838.9/49

Out: 67.972+/-0.009 χ^2/NDF:7568691.2/55

All: 68.195+/-0.006 χ^2/NDF: 13567918.0/105



Right In: -698.764+/-288.370 χ^2/NDF: 31.2/26

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 776.389+/-297.273 χ^2/NDF: 21.6/30

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

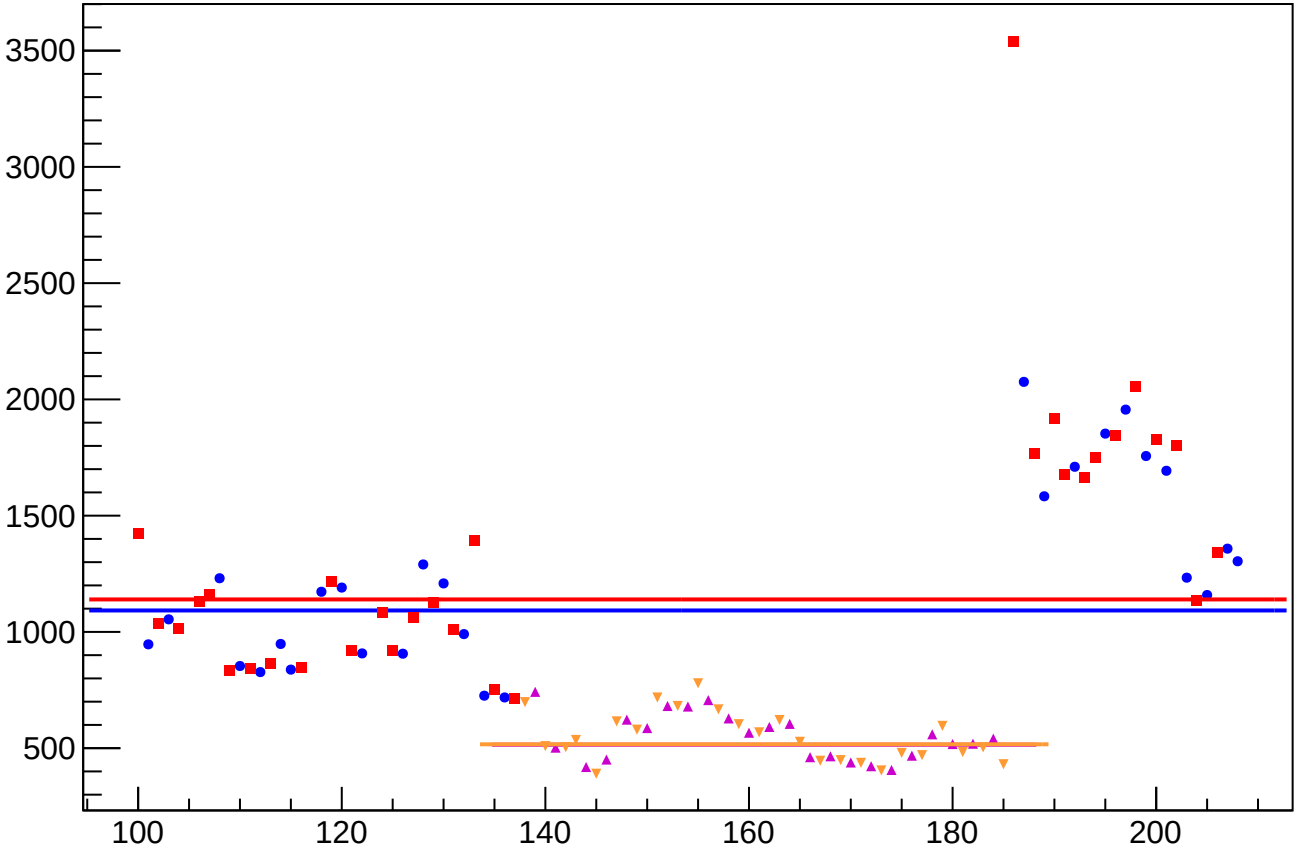
Right: 16.393+/-206.984 χ^2/NDF: 65.6/57

In: -31.977+/-112.743 χ^2/NDF:62.1/49

Out: -386.206+/-111.065 χ^2/NDF:108.2/55

All: -211.746+/-79.121 χ^2/NDF: 175.3/105

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1092.294+/-0.204 χ^2/NDF: 2674494.6/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1139.713+/-0.210 χ^2/NDF: 3256042.4/30

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

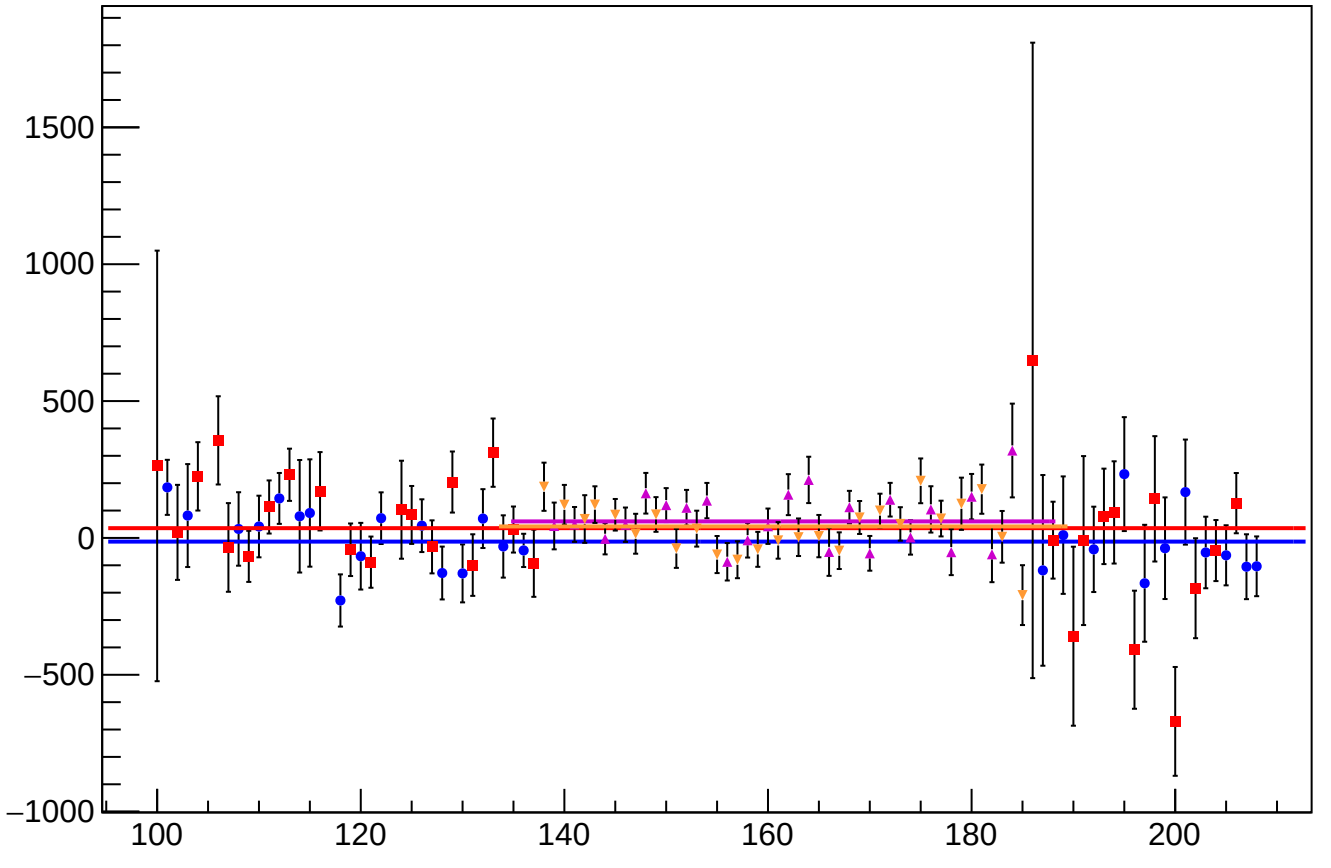
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1115.283+/-0.146 χ^2/NDF: 5956754.8/57

In: 603.056+/-0.080 χ^2/NDF:10590267.9/49

Out: 603.609+/-0.079 χ^2/NDF:12080999.1/55

All: 603.337+/-0.056 χ^2/NDF: 22671291.5/10



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.667+/-23.387 χ^2/NDF: 48.2/30

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

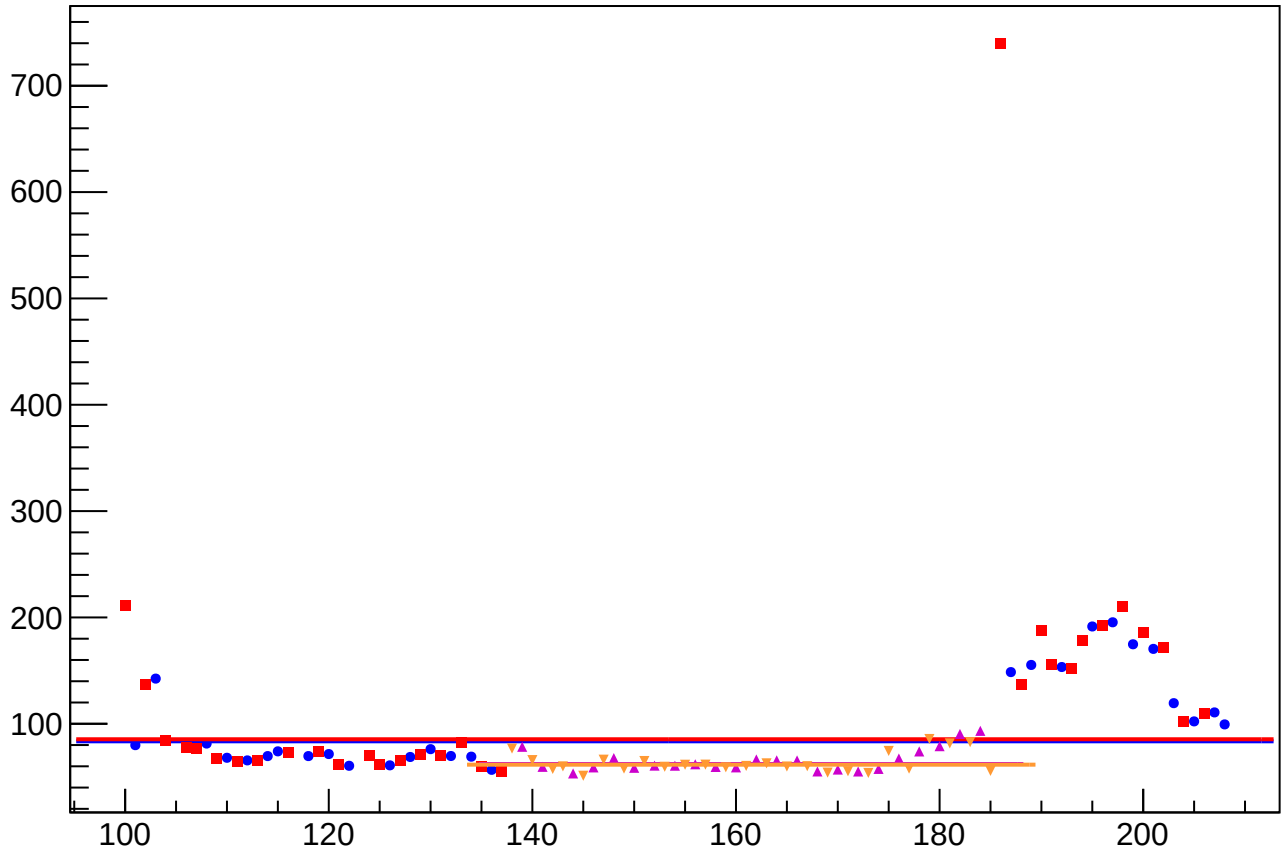
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 10.486+/-16.324 χ^2/NDF: 72.9/57

In: 38.669+/-12.362 χ^2/NDF:62.0/49

Out: 40.310+/-12.126 χ^2/NDF:80.3/55

All: 39.505+/-8.657 χ^2/NDF: 142.3/105



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

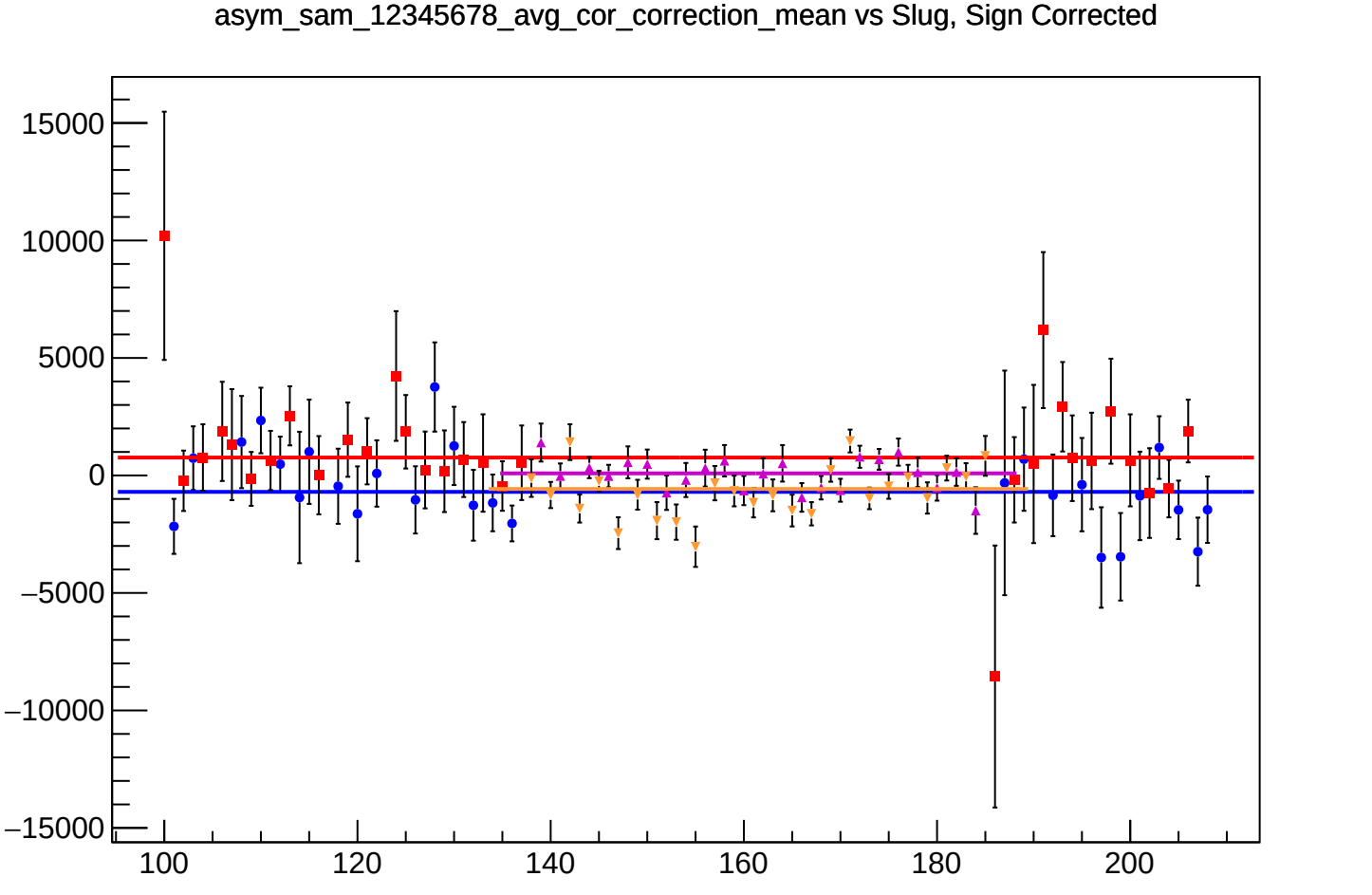
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 84.449+/-0.012 χ^2/NDF: 9571580.1/57

In: 68.428+/-0.009 χ^2/NDF:5997842.0/49

Out: 67.967+/-0.009 χ^2/NDF:7567894.1/55

All: 68.193+/-0.006 χ^2/NDF: 13567149.0/105



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 761.569+/-297.533 χ^2/NDF: 21.2/30

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

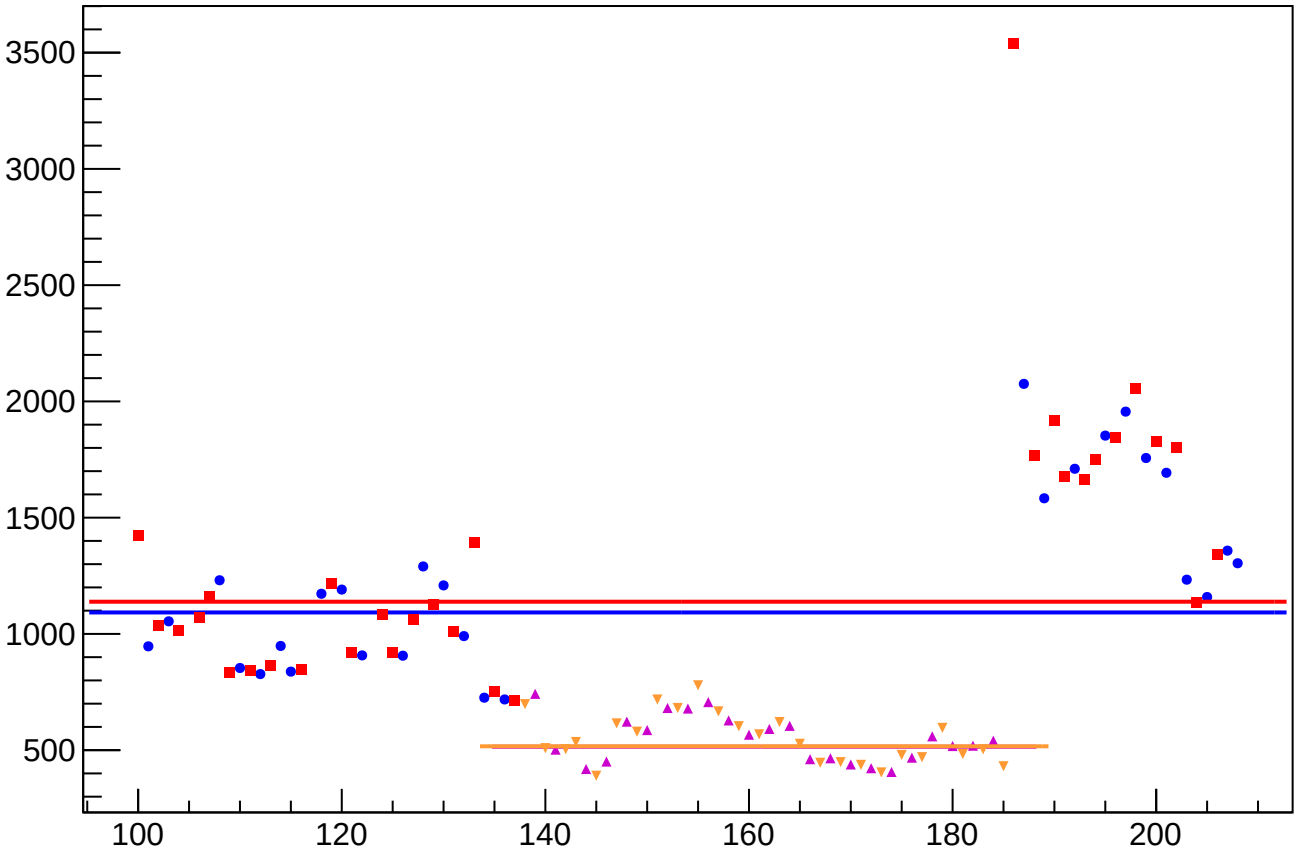
Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

Right: 8.582+/-207.073 χ^2/NDF: 64.8/57

In: -31.974+/-112.743 χ^2/NDF:62.1/49

Out: -388.550+/-111.079 χ^2/NDF:107.3/55

All: -212.912+/-79.126 χ^2/NDF: 174.5/105



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

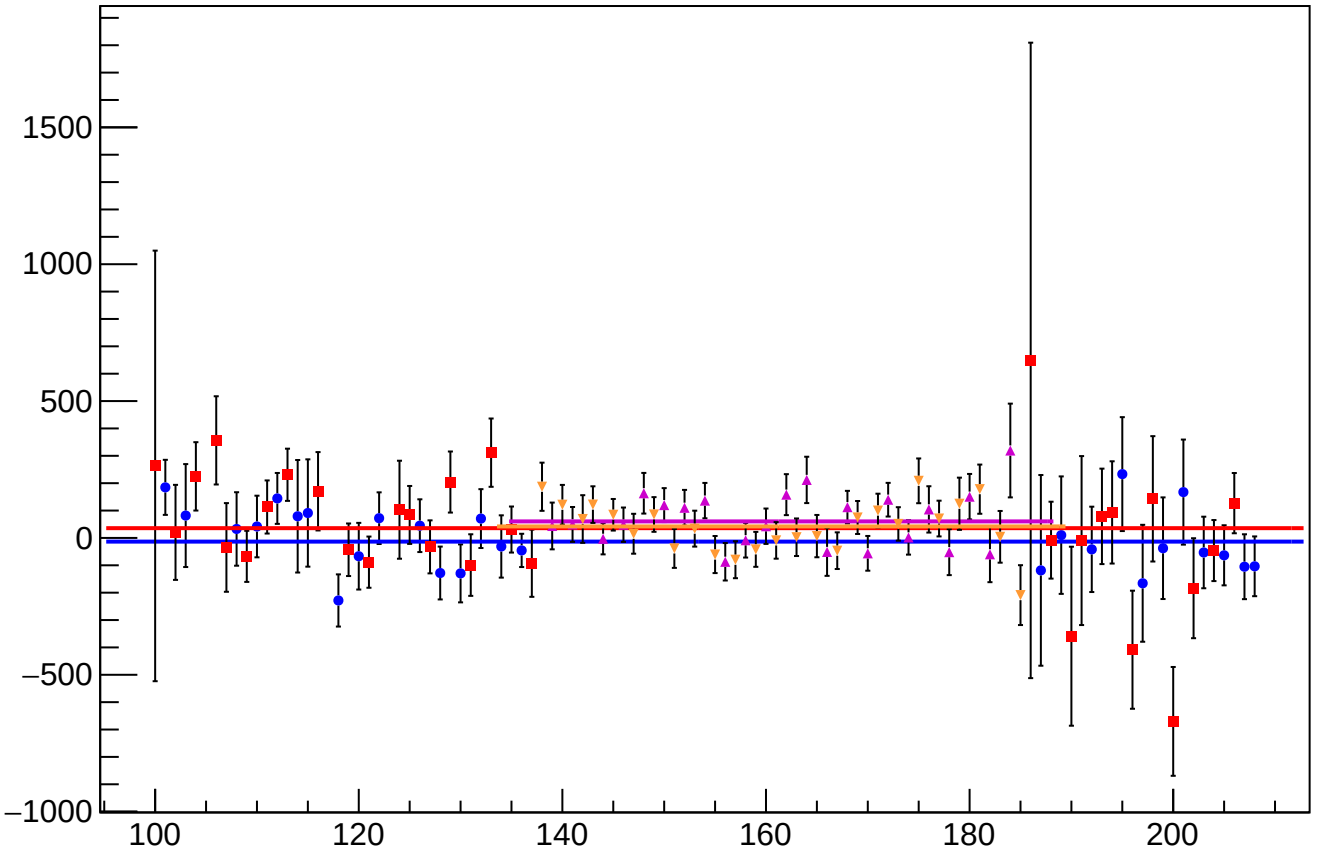
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1114.691+/-0.146 χ^2/NDF: 5957378.8/57

In: 603.056+/-0.080 χ^2/NDF:10590309.3/49

Out: 603.313+/-0.079 χ^2/NDF:12042948.2/55

All: 603.187+/-0.056 χ^2/NDF: 22633262.8/10



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.667+/-23.387 χ^2/NDF: 48.2/30

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

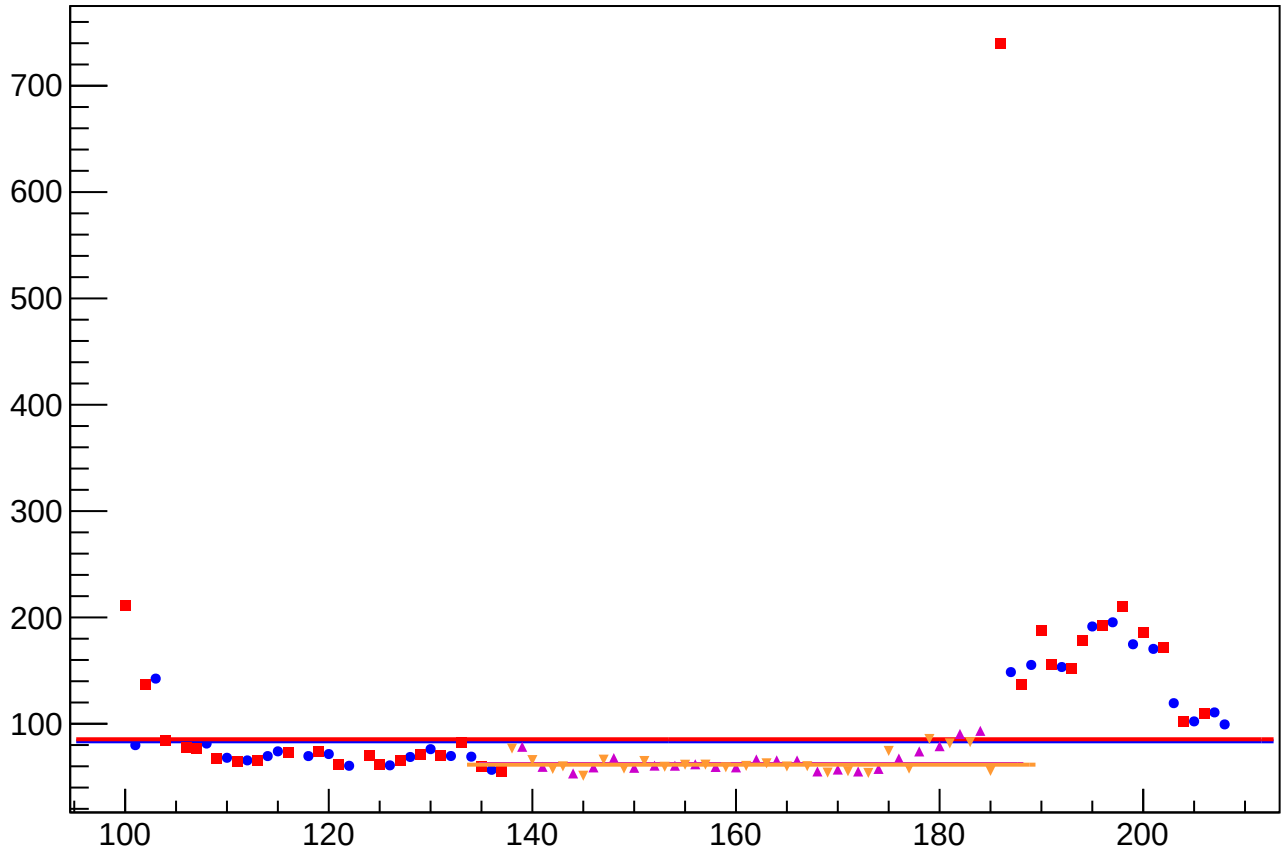
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 10.486+/-16.324 χ^2/NDF: 72.9/57

In: 38.669+/-12.362 χ^2/NDF:62.0/49

Out: 40.310+/-12.126 χ^2/NDF:80.3/55

All: 39.505+/-8.657 χ^2/NDF: 142.3/105



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

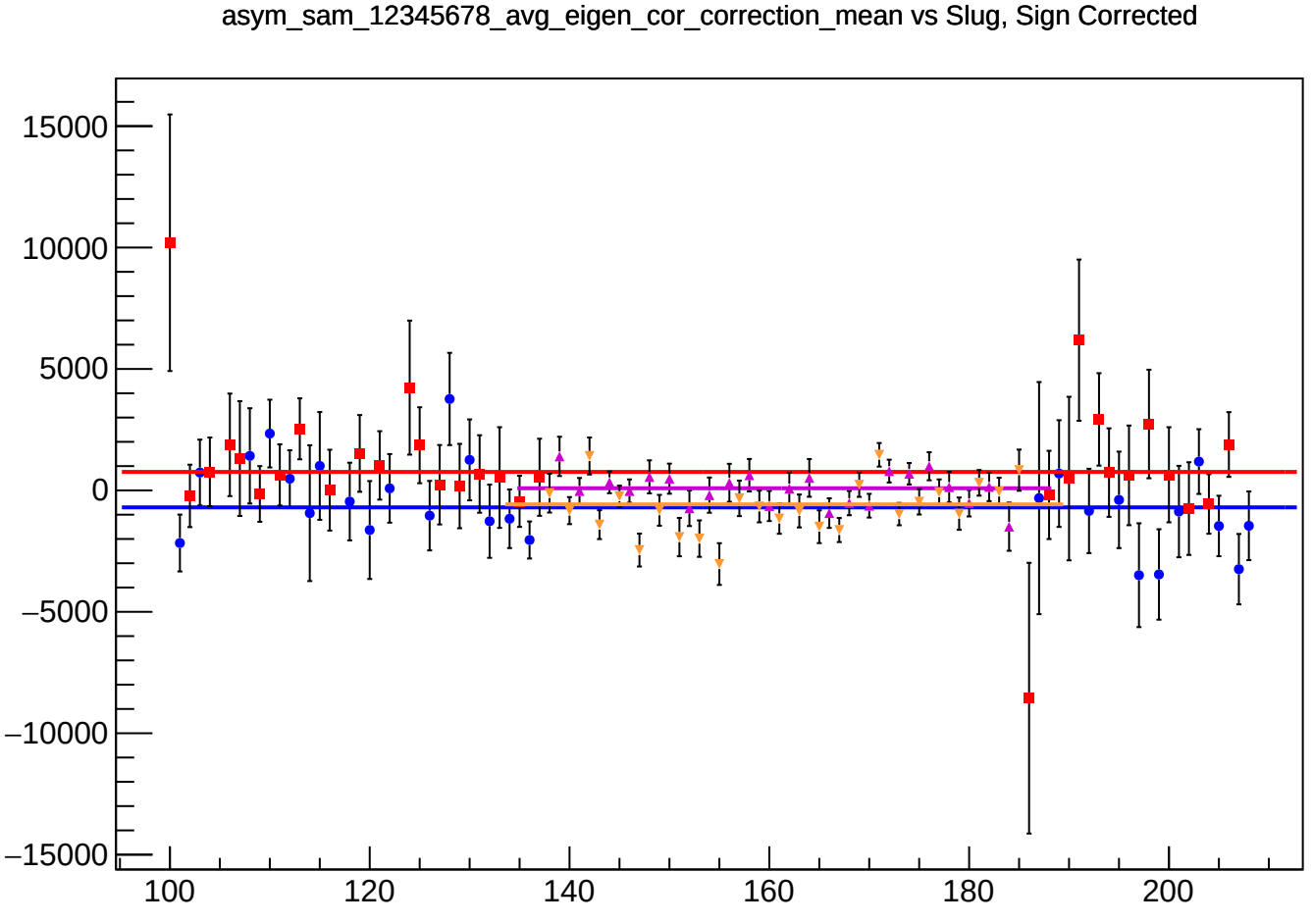
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 84.449+/-0.012 χ^2/NDF: 9571580.1/57

In: 68.428+/-0.009 χ^2/NDF:5997842.0/49

Out: 67.967+/-0.009 χ^2/NDF:7567894.1/55

All: 68.193+/-0.006 χ^2/NDF: 13567149.0/105



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 761.569+/-297.533 χ^2/NDF: 21.2/30

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

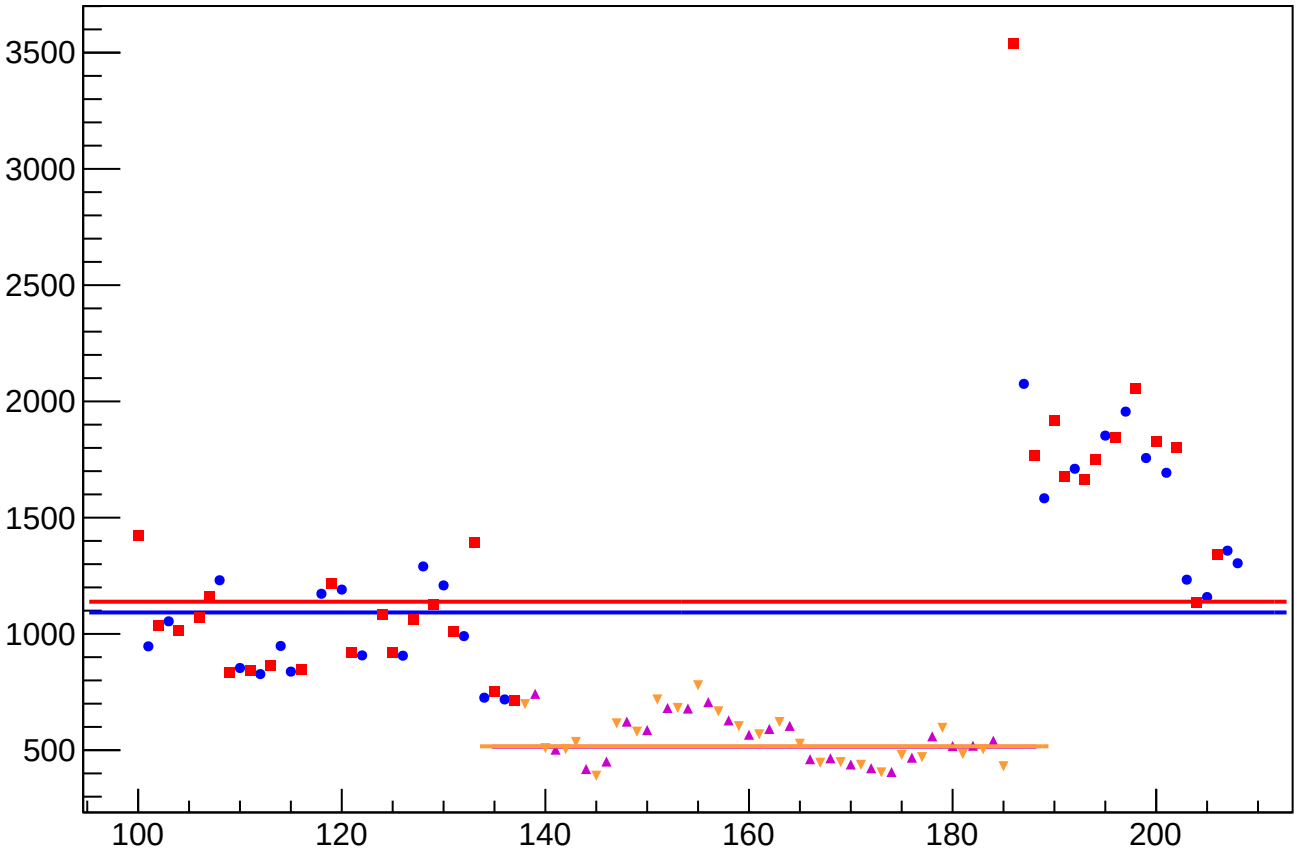
Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

Right: 8.582+/-207.073 χ^2/NDF: 64.8/57

In: -31.974+/-112.743 χ^2/NDF:62.1/49

Out: -388.550+/-111.079 χ^2/NDF:107.3/55

All: -212.912+/-79.126 χ^2/NDF: 174.5/105



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

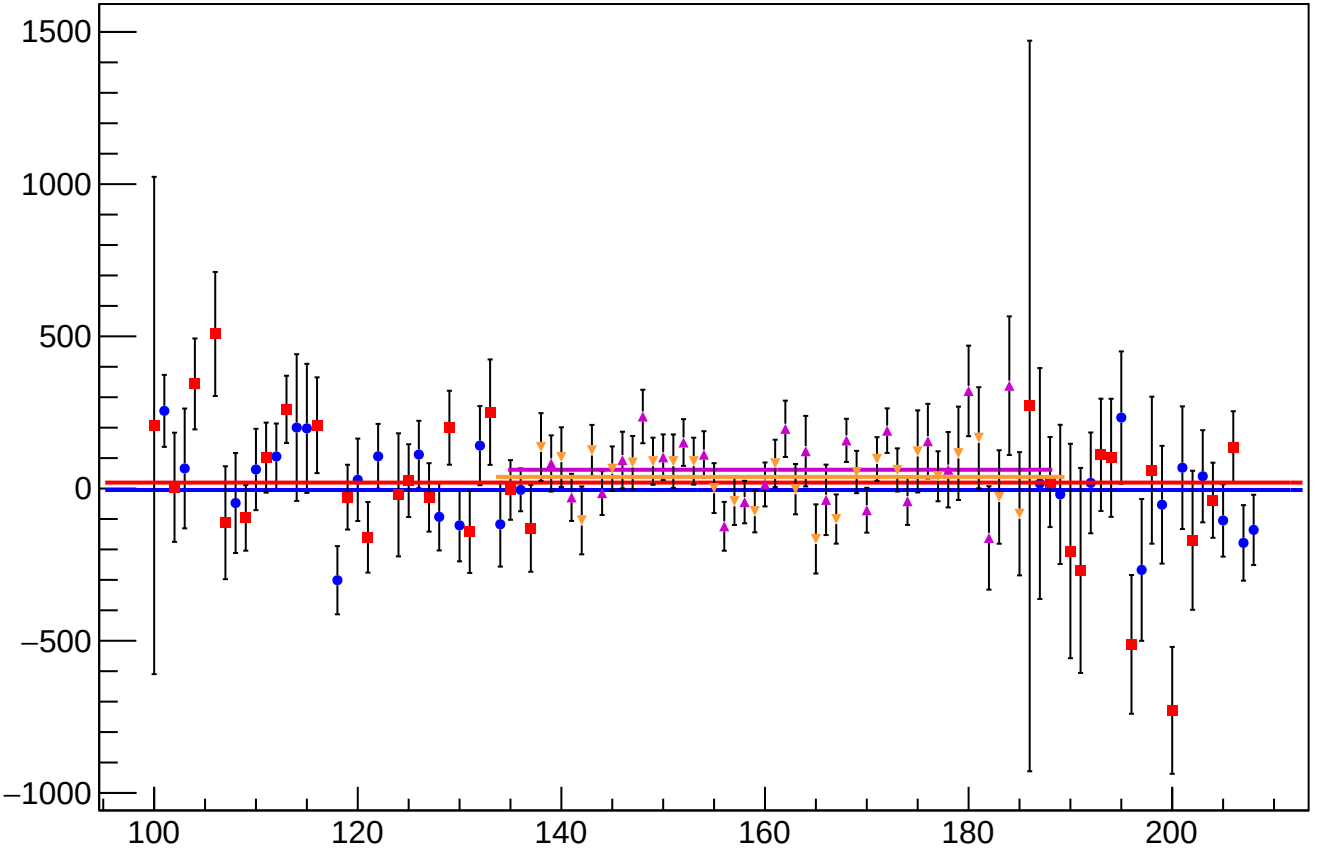
Right: 1114.691+/-0.146 χ^2/NDF: 5957378.8/57

In: 603.056+/-0.080 χ^2/NDF:10590309.3/49

Out: 603.313+/-0.079 χ^2/NDF:12042948.2/55

All: 603.187+/-0.056 χ^2/NDF: 22633262.8/10

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -4.704+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 19.570+/-26.759 χ^2/NDF: 50.2/30

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

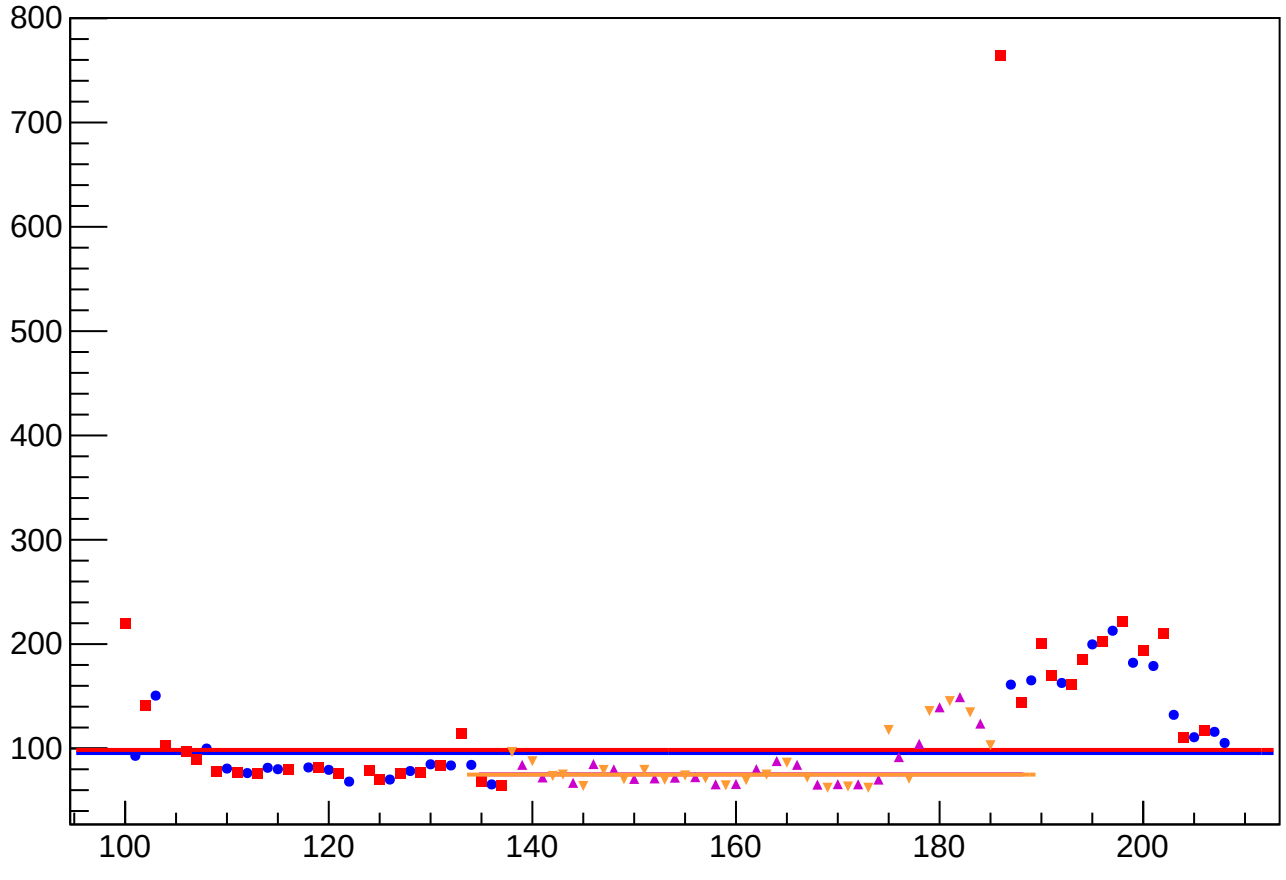
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 7.024+/-18.600 χ^2/NDF: 78.1/57

In: 39.747+/-14.881 χ^2/NDF:68.6/49

Out: 32.600+/-14.745 χ^2/NDF:69.3/55

All: 36.141+/-10.474 χ^2/NDF: 138.0/105



Right In: 95.557+/-0.018 χ^2/NDF: 3523506.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 98.554+/-0.019 χ^2/NDF: 4762550.3/30

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

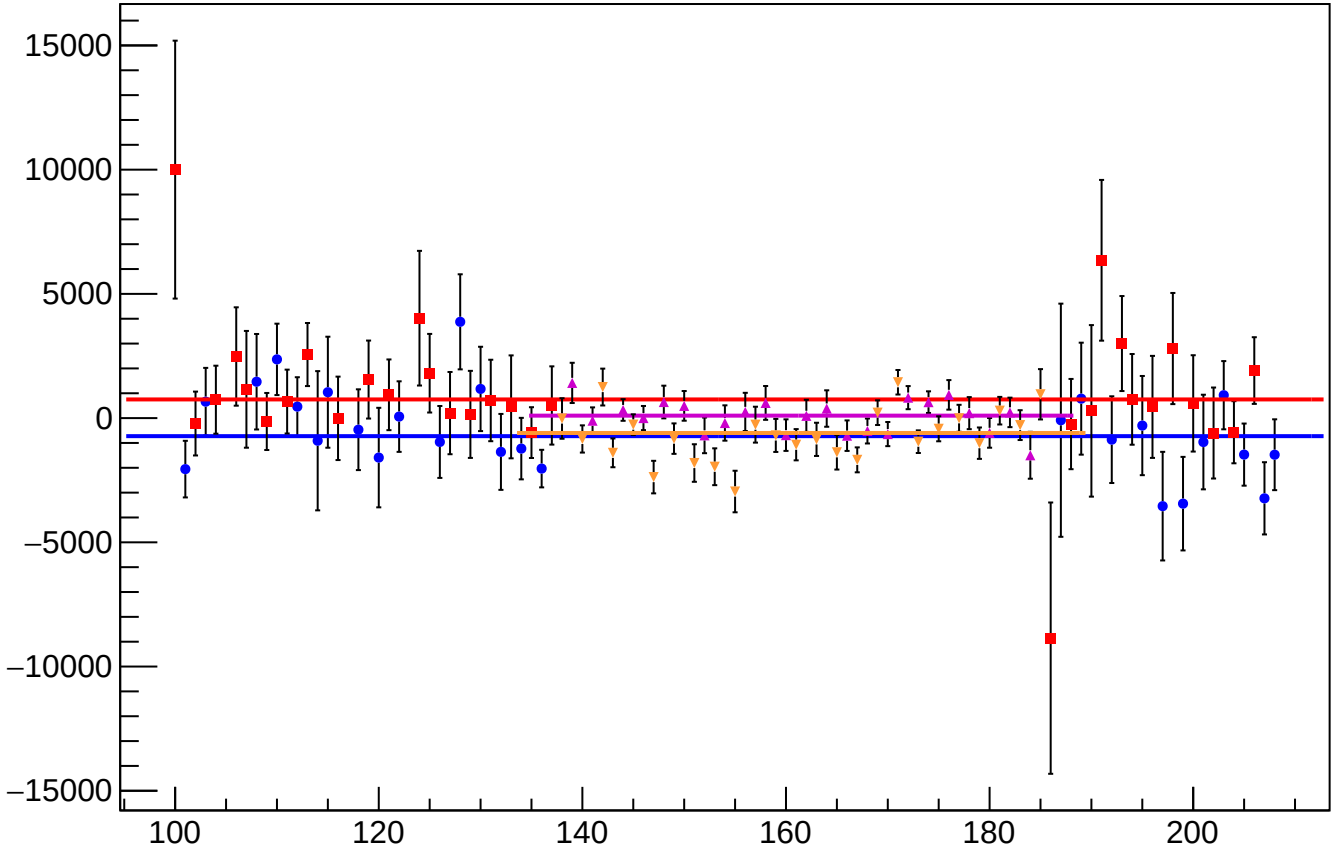
Right: 97.005+/-0.013 χ^2/NDF: 8299029.6/57

In: 81.905+/-0.011 χ^2/NDF:5668197.3/49

Out: 82.084+/-0.010 χ^2/NDF:7512146.5/55

All: 81.995+/-0.007 χ^2/NDF: 13180490.1/105

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -726.336+/-290.078 χ^2/NDF: 30.2/26

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 751.522+/-297.076 χ^2/NDF: 22.6/30

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

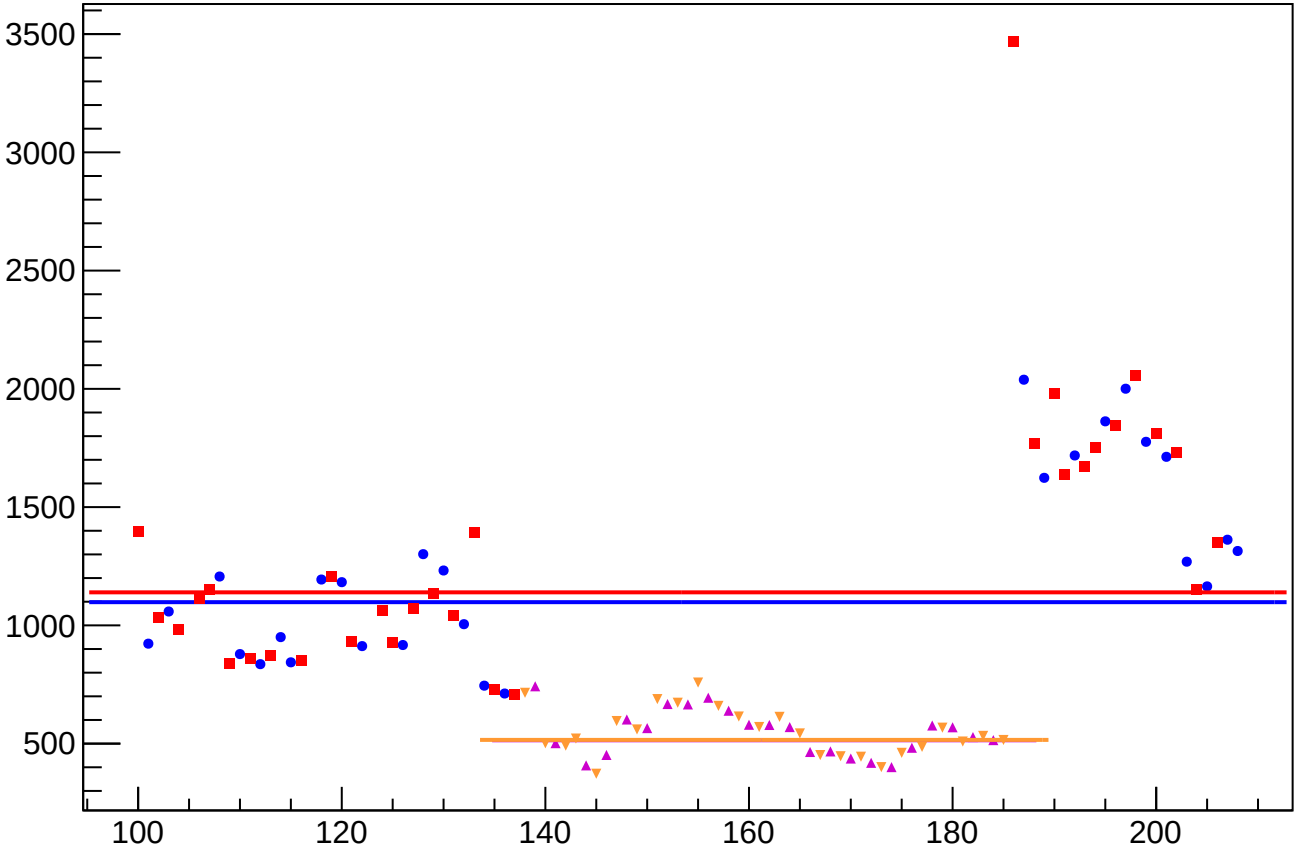
Right: -5.017+/-207.546 χ^2/NDF: 65.4/57

In: -25.497+/-112.702 χ^2/NDF:60.7/49

Out: -411.236+/-110.726 χ^2/NDF:105.4/55

All: -221.778+/-78.984 χ^2/NDF: 172.1/105

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1098.109+/-0.205 χ^2/NDF: 2727840.1/26

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1139.632+/-0.210 χ^2/NDF: 3243816.1/30

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

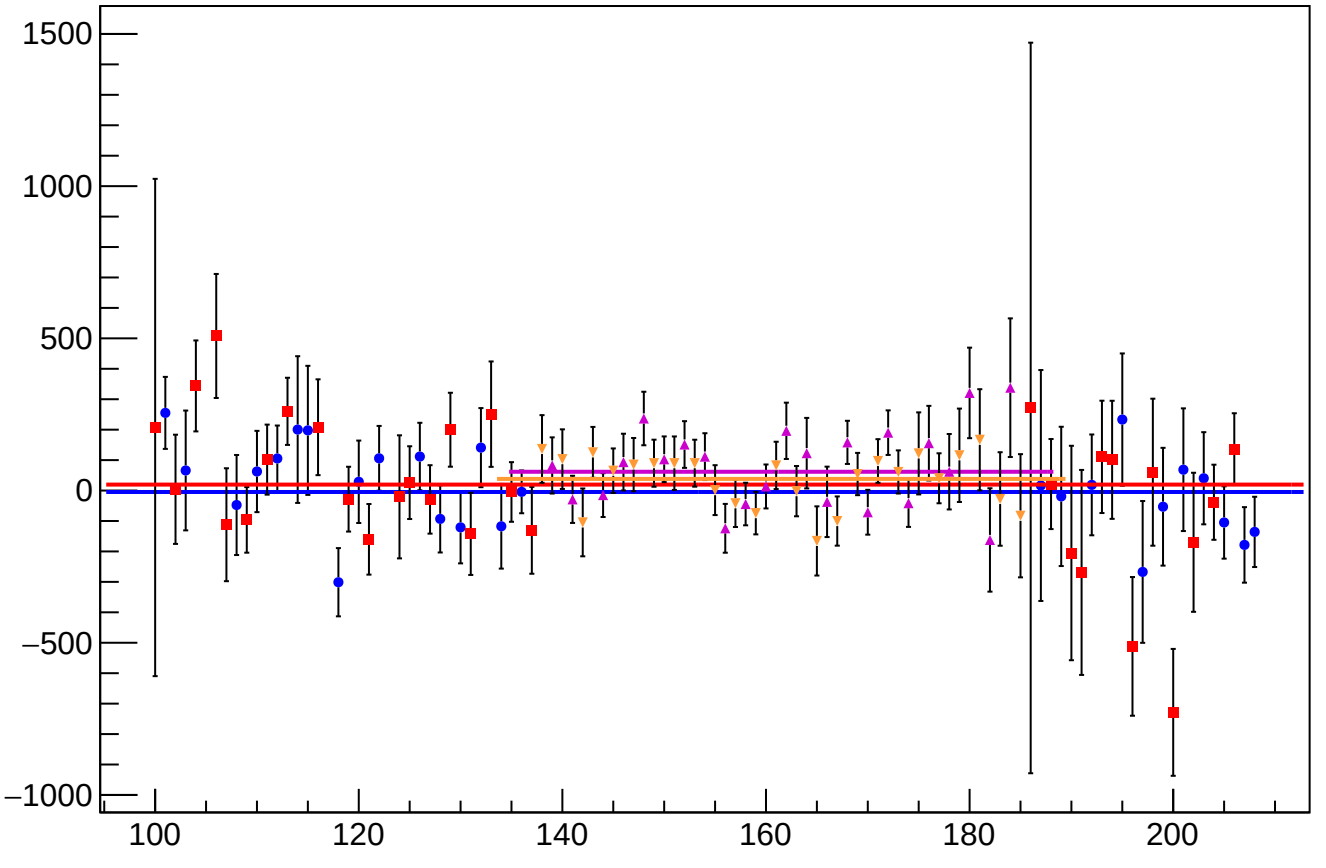
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1118.376+/-0.147 χ^2/NDF: 5991658.8/57

In: 602.245+/-0.080 χ^2/NDF:10727928.3/49

Out: 602.430+/-0.078 χ^2/NDF:12071320.5/55

All: 602.339+/-0.056 χ^2/NDF: 22799251.5/10



Right In: -4.703+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 19.568+/-26.759 χ^2/NDF: 50.2/30

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

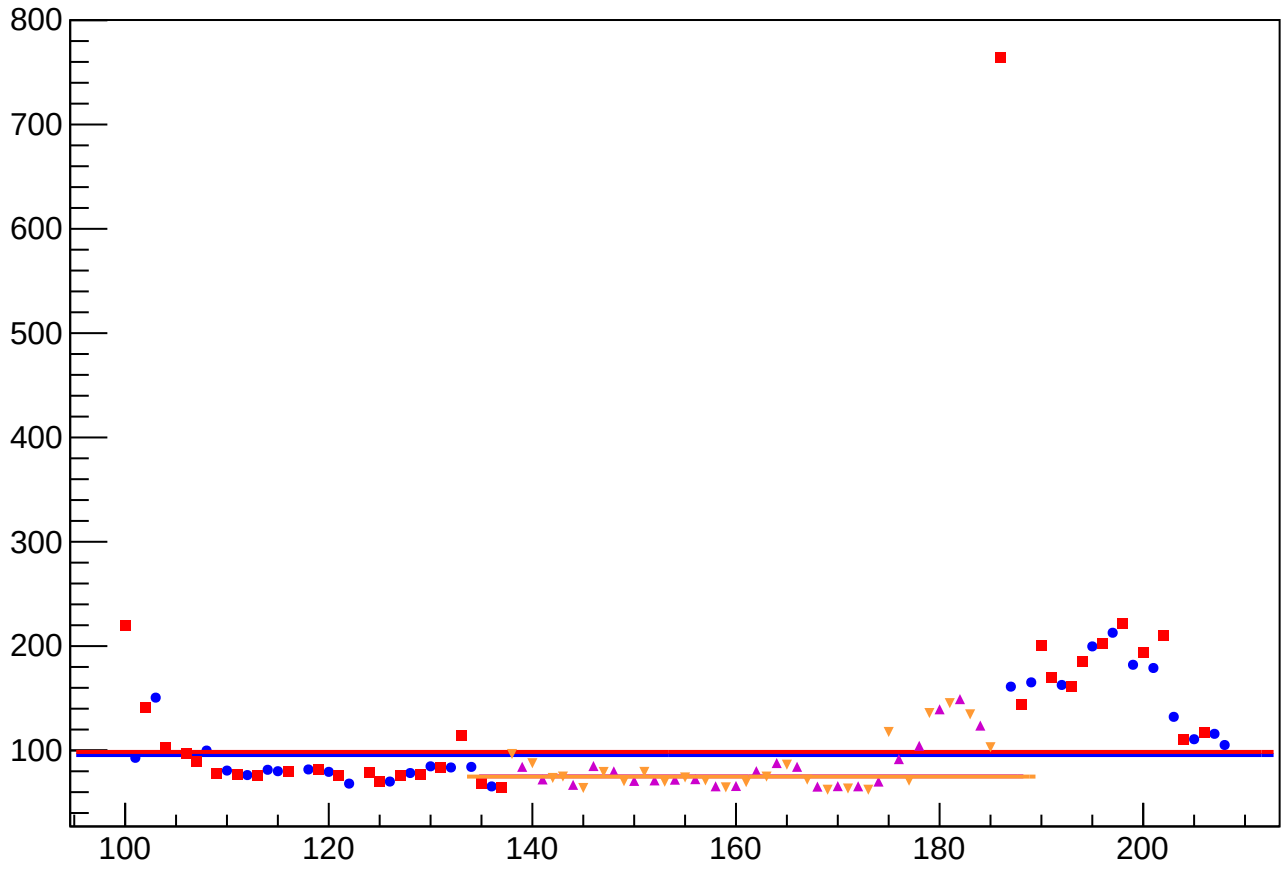
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 7.024+/-18.600 χ^2/NDF: 78.1/57

In: 39.747+/-14.881 χ^2/NDF:68.6/49

Out: 32.600+/-14.745 χ^2/NDF:69.3/55

All: 36.140+/-10.474 χ^2/NDF: 138.0/105



Right In: 95.556+/-0.018 χ^2/NDF: 3523518.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 98.554+/-0.019 χ^2/NDF: 4762579.6/30

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

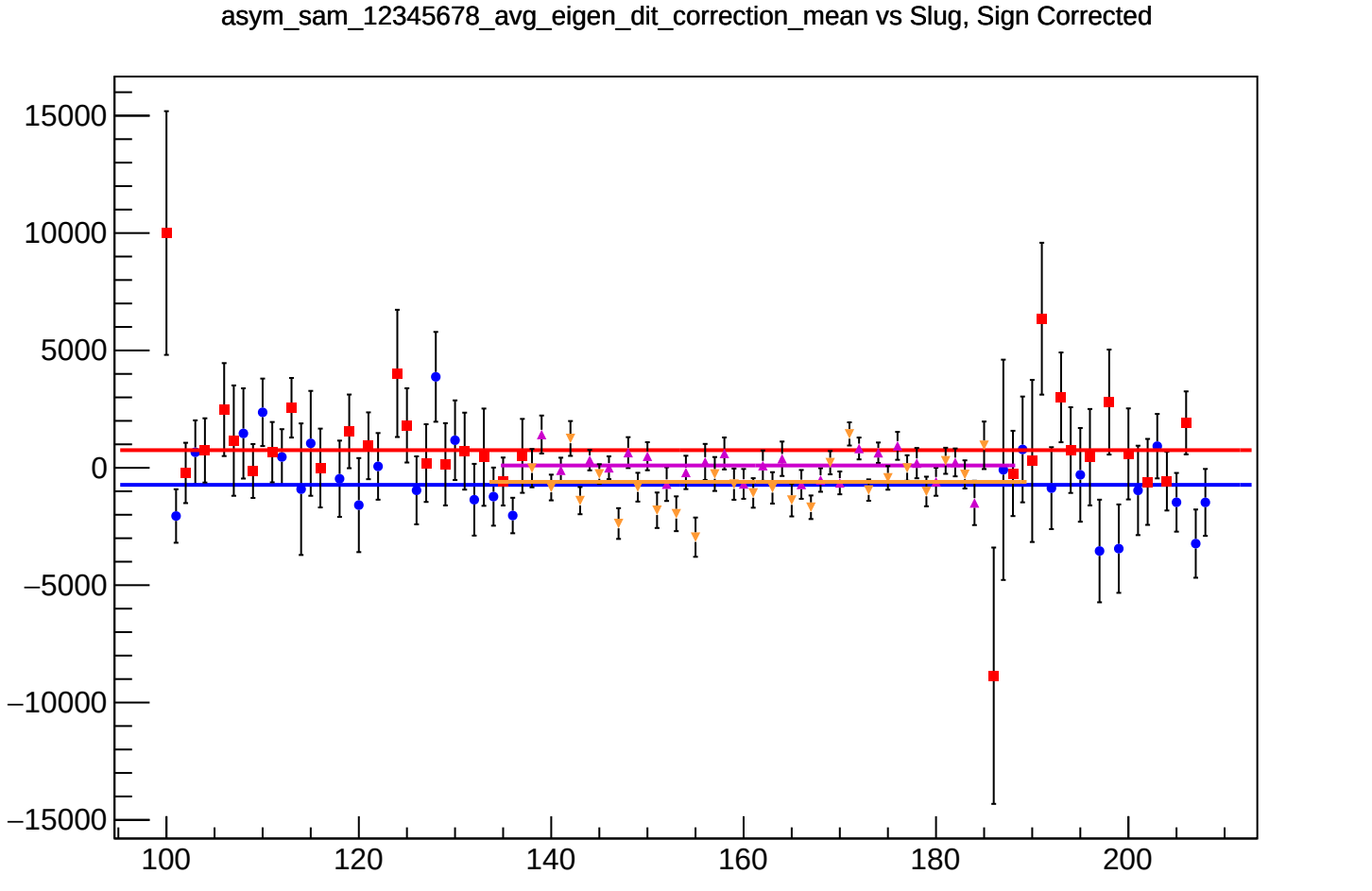
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 97.005+/-0.013 χ^2/NDF: 8299071.4/57

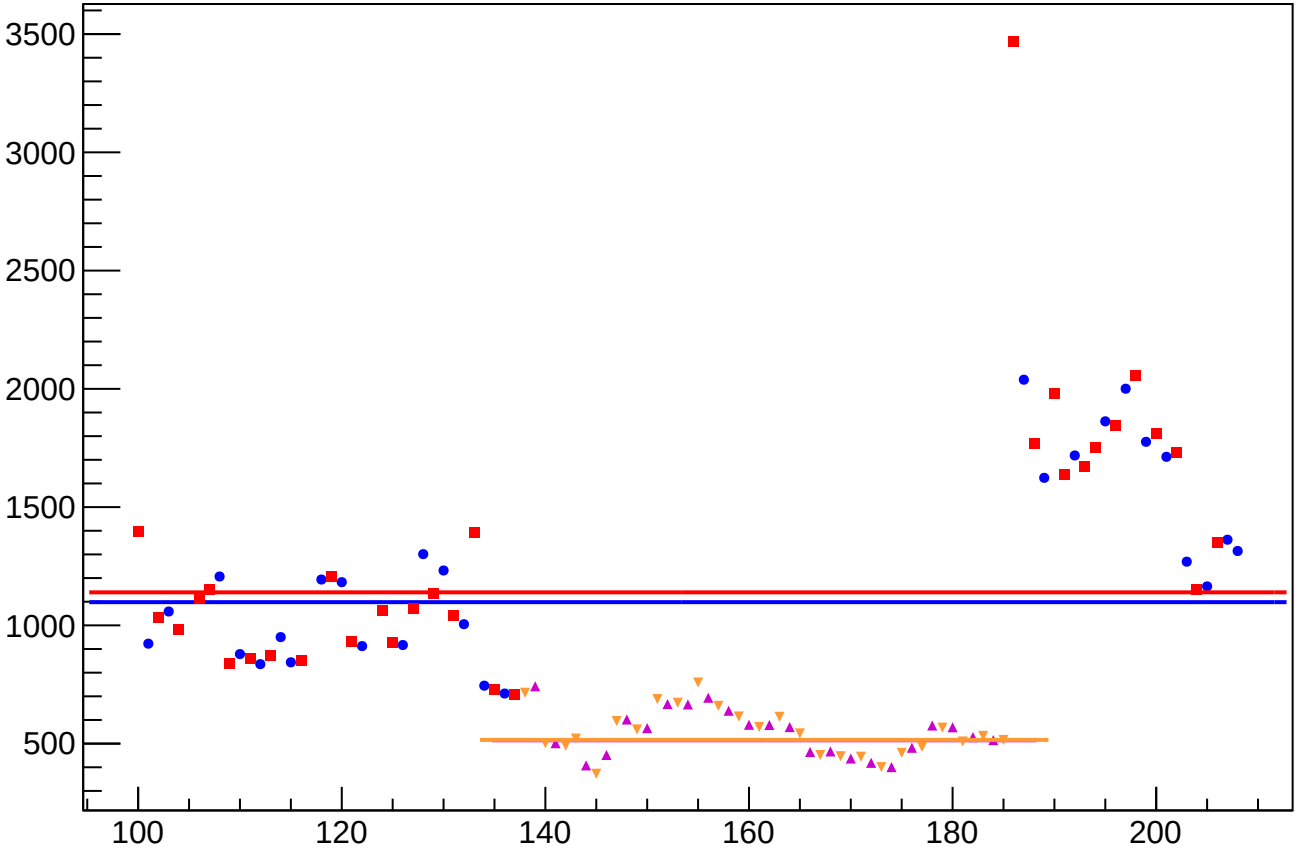
In: 81.905+/-0.011 χ^2/NDF:5668154.7/49

Out: 82.084+/-0.010 χ^2/NDF:7512135.7/55

All: 81.995+/-0.007 χ^2/NDF: 13180436.7/105


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -726.333+/-290.078 χ²/NDF: 30.2/26
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 751.521+/-297.075 χ²/NDF: 22.6/30
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: -5.015+/-207.546 χ²/NDF: 65.4/57
In: -25.497+/-112.701 χ²/NDF:60.7/49
Out: -411.236+/-110.726 χ²/NDF:105.4/55
All: -221.777+/-78.984 χ²/NDF: 172.1/105

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1098.107+/-0.205 χ^2/NDF: 2727848.7/26

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1139.630+/-0.210 χ^2/NDF: 3243826.1/30

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

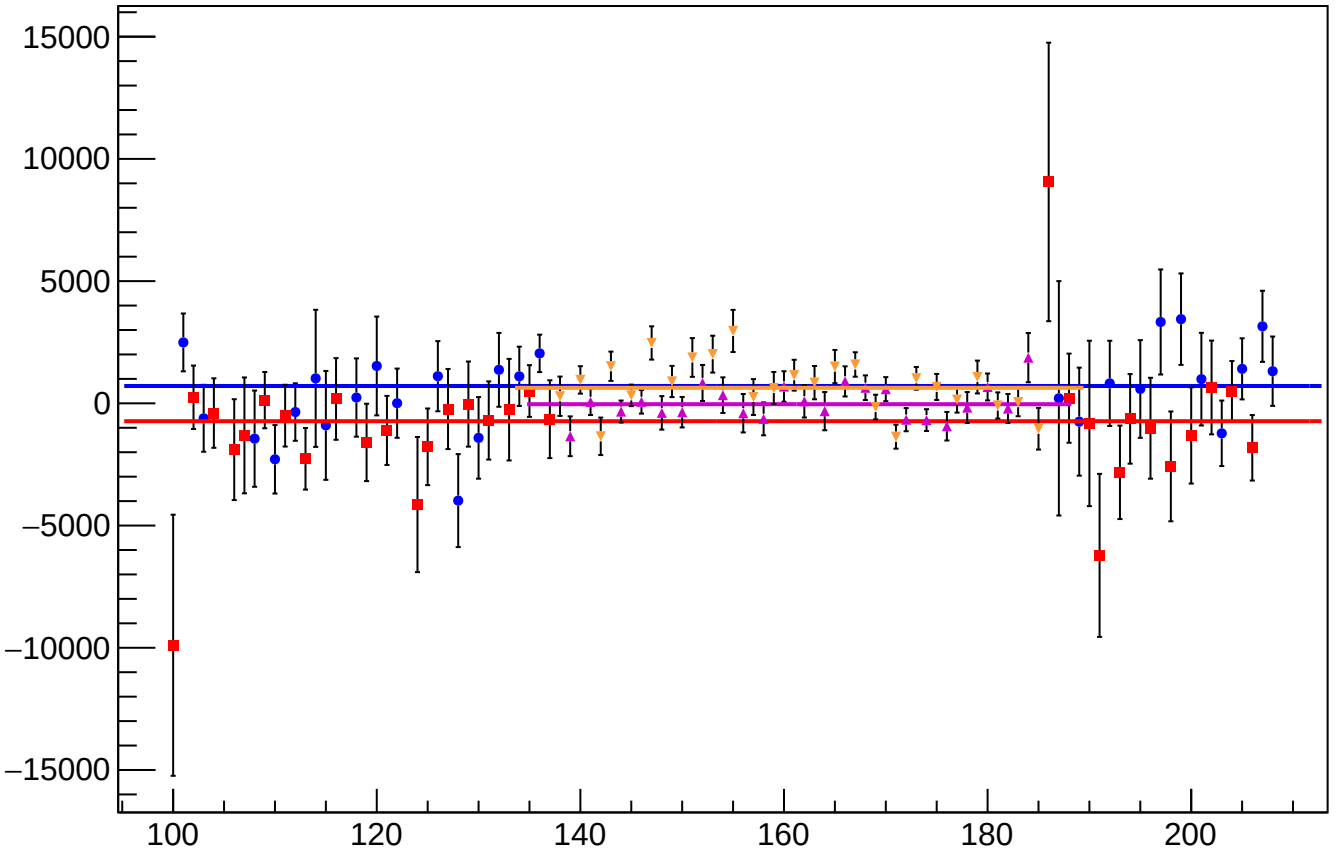
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1118.374+/-0.147 χ^2/NDF: 5991677.0/57

In: 602.244+/-0.080 χ^2/NDF:10727931.1/49

Out: 602.428+/-0.078 χ^2/NDF:12071327.1/55

All: 602.338+/-0.056 χ^2/NDF: 22799260.9/10



Right In: 709.669+/-289.627 χ^2/NDF: 31.4/26

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -730.766+/-298.556 χ^2/NDF: 20.4/30

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

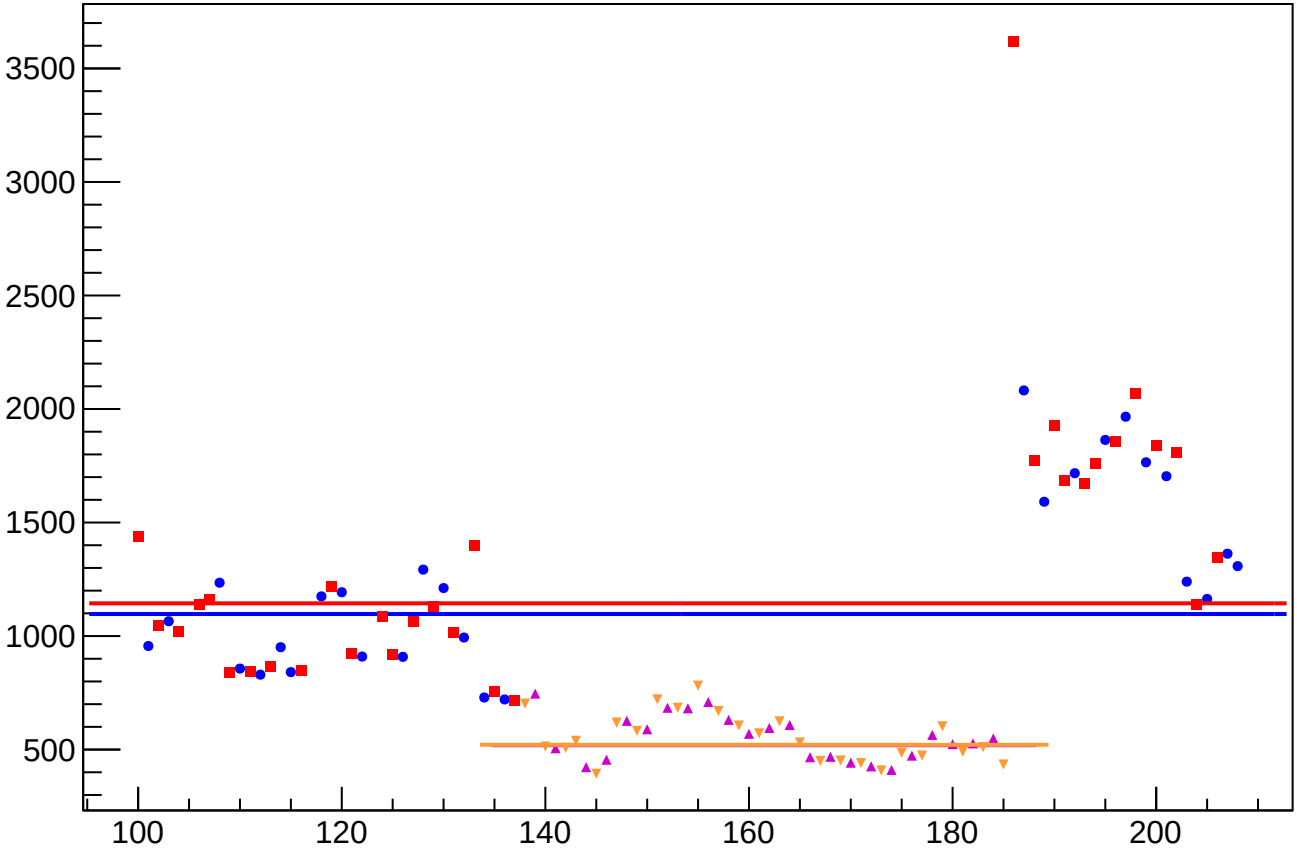
Right: 11.313+/-207.882 χ^2/NDF: 63.9/57

In: 79.758+/-113.617 χ^2/NDF:62.1/49

Out: 442.903+/-111.915 χ^2/NDF:102.9/55

All: 264.071+/-79.731 χ^2/NDF: 170.2/105

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1097.002+/-0.205 χ^2/NDF: 2677368.9/26

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1144.119+/-0.211 χ^2/NDF: 3270994.6/30

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

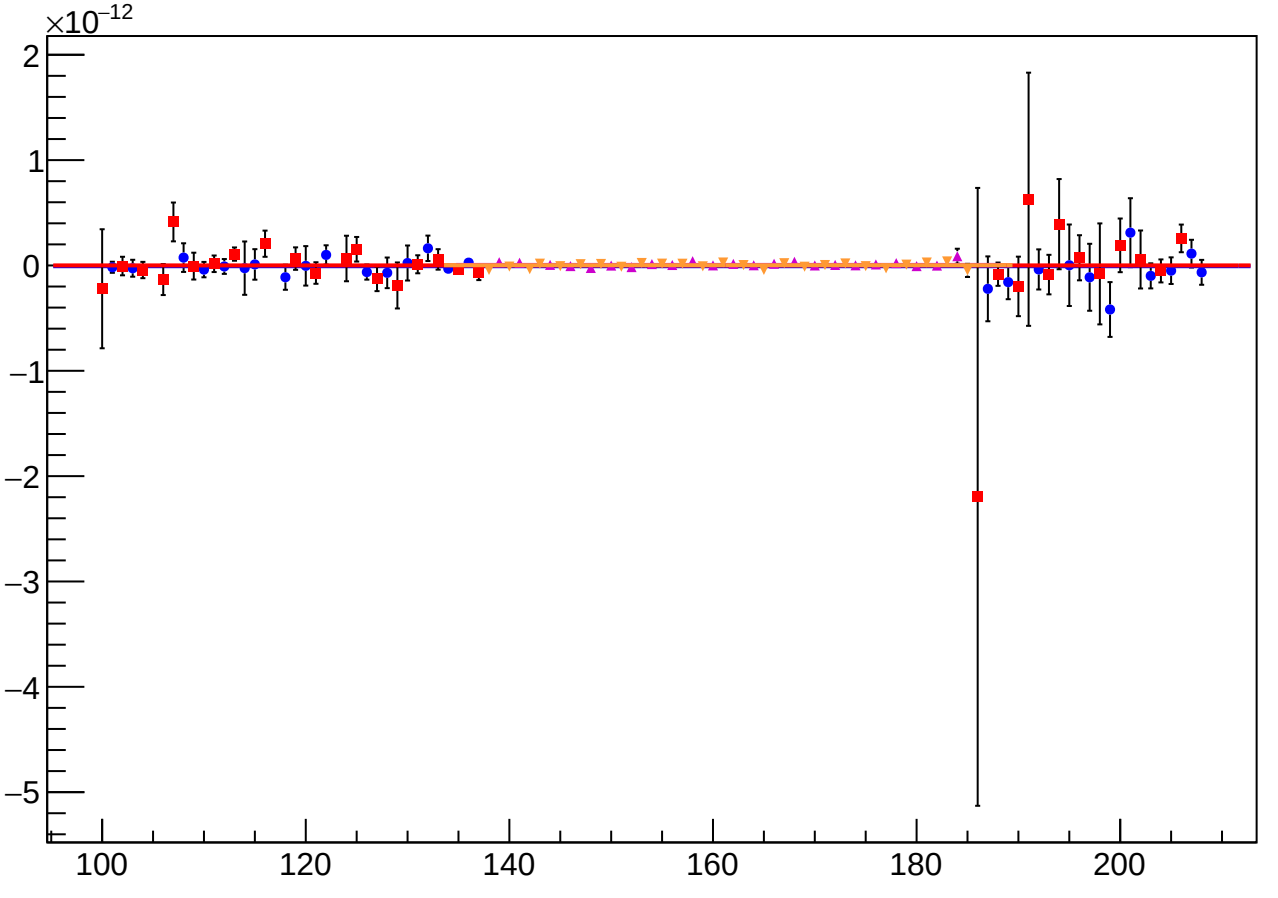
Right: 1119.845+/-0.147 χ^2/NDF: 5974026.1/57

In: 608.150+/-0.080 χ^2/NDF:10511999.9/49

Out: 608.579+/-0.079 χ^2/NDF:12001286.4/55

All: 608.368+/-0.056 χ^2/NDF: 22513300.8/10

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

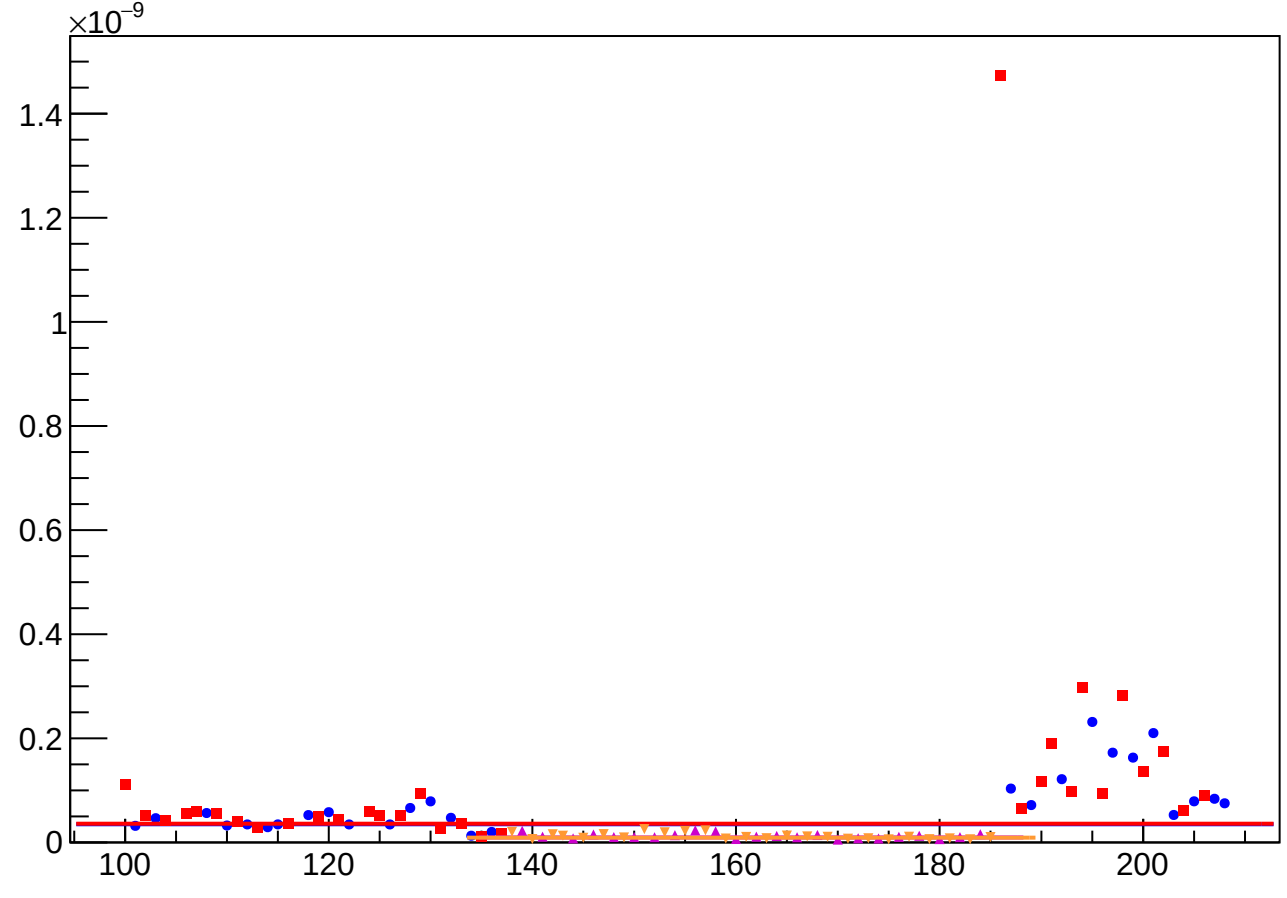
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 41.1/57

In: 0.000+/-0.000 χ^2/NDF:25.1/49

Out: 0.000+/-0.000 χ^2/NDF:49.6/55

All: 0.000+/-0.000 χ^2/NDF: 74.9/105



Right In: 0.000+/-0.000 χ^2/NDF: 4780185.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623791.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

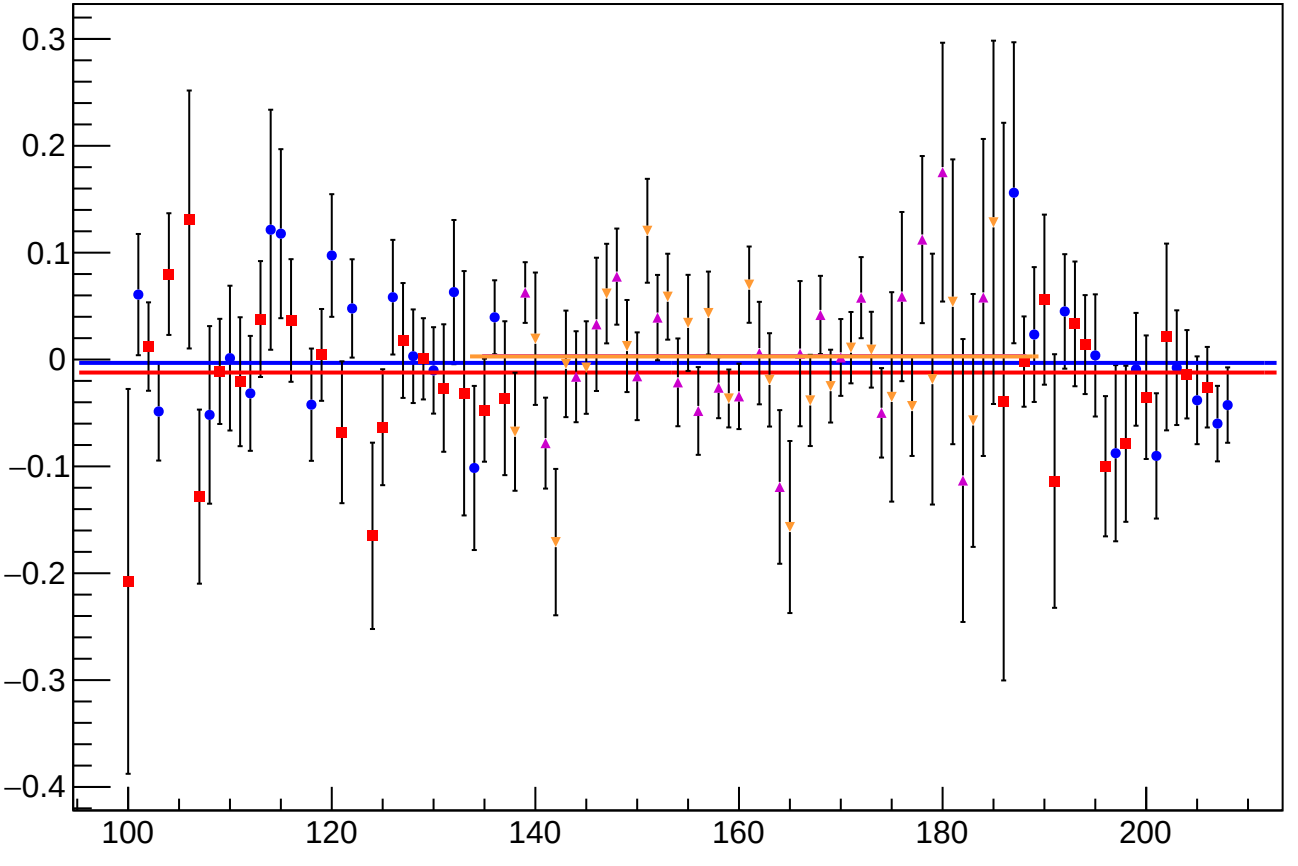
Right: 0.000+/-0.000 χ^2/NDF: 10407901.1/57

In: 0.000+/-0.000 χ^2/NDF:10712952.6/49

Out: 0.000+/-0.000 χ^2/NDF:11914278.1/55

All: 0.000+/-0.000 χ^2/NDF: 22654813.3/105

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

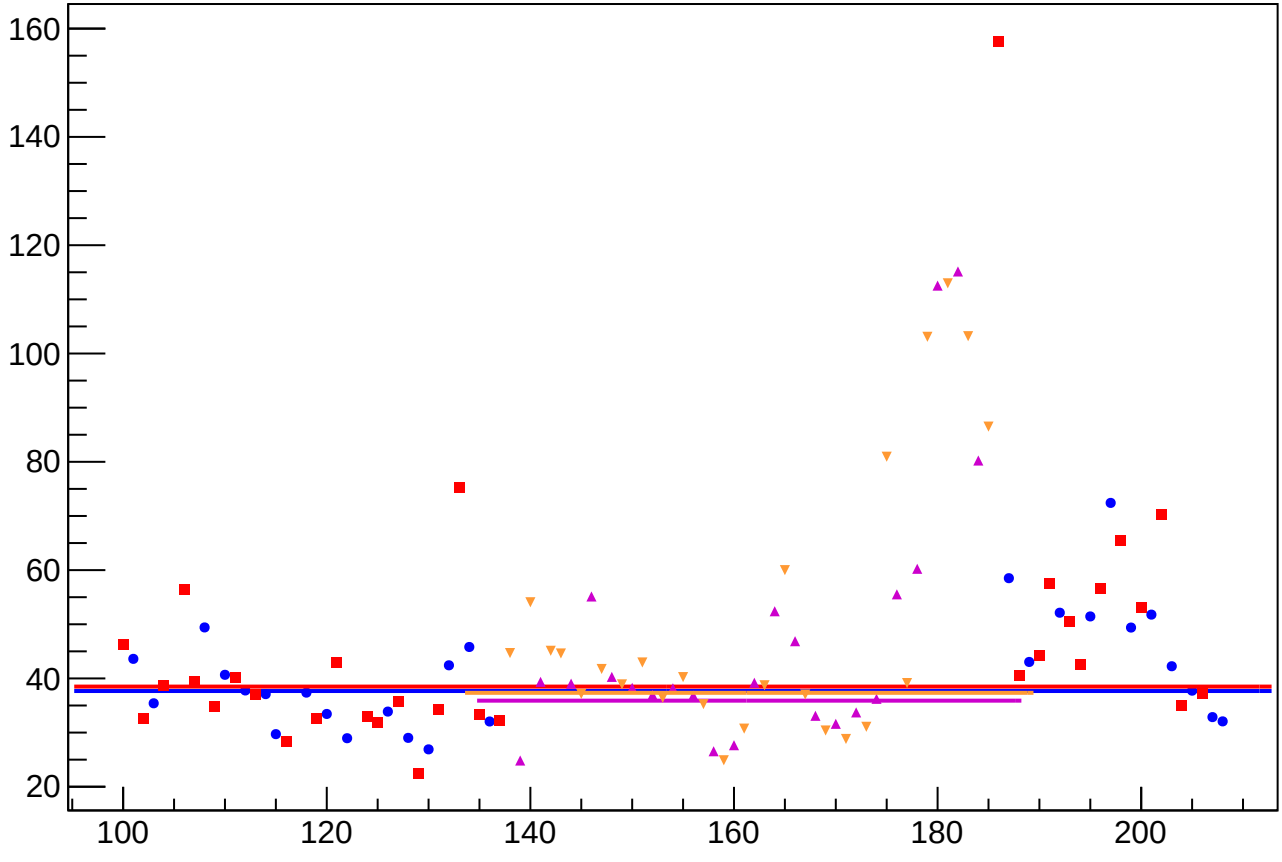
Right: -0.008+/-0.007 χ^2/NDF: 48.0/57

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.002+/-0.005 χ^2/NDF: 111.8/105

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

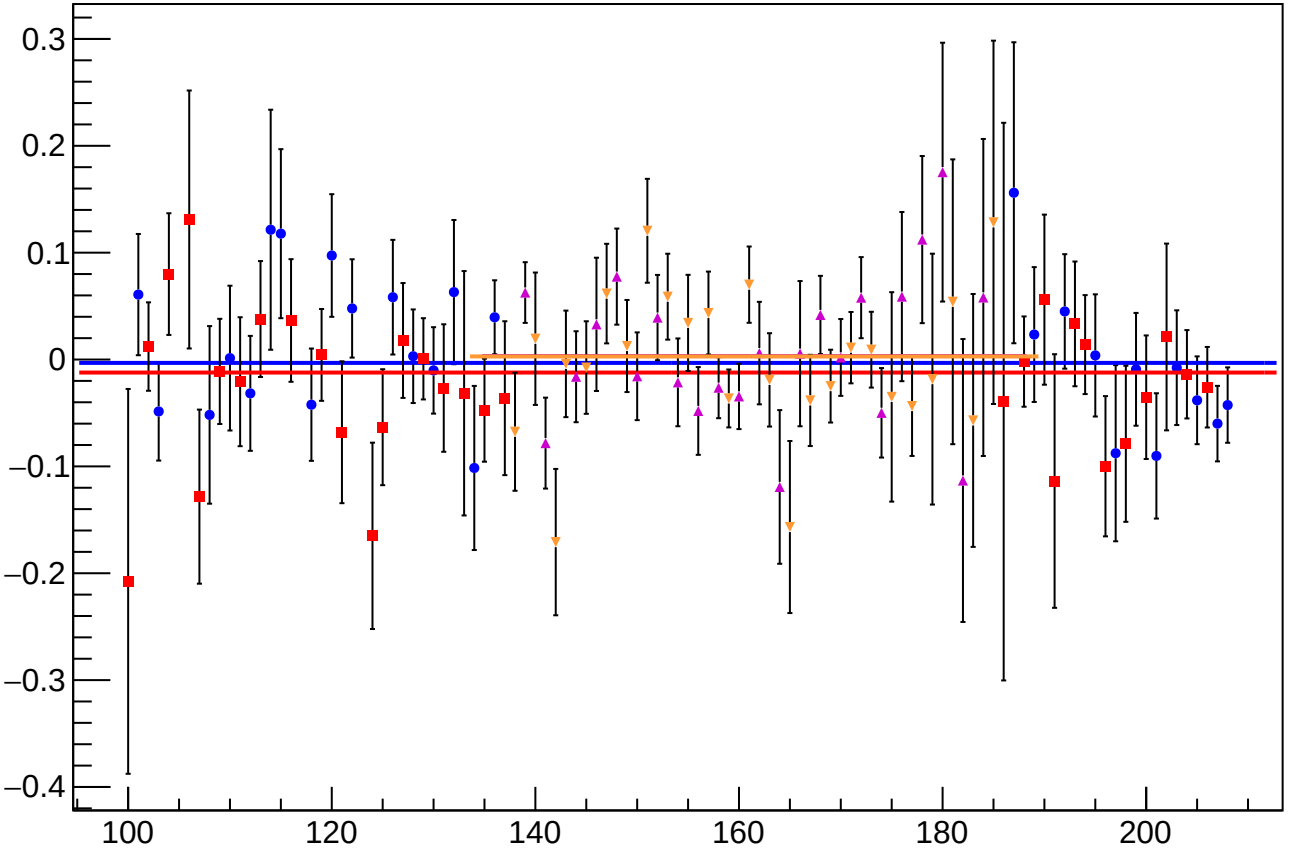
Right: 38.074+/-0.005 χ^2/NDF: 3773024.3/57

In: 36.701+/-0.005 χ^2/NDF:4653089.7/49

Out: 37.857+/-0.005 χ^2/NDF:5996296.8/55

All: 37.270+/-0.003 χ^2/NDF: 10678049.4/105

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

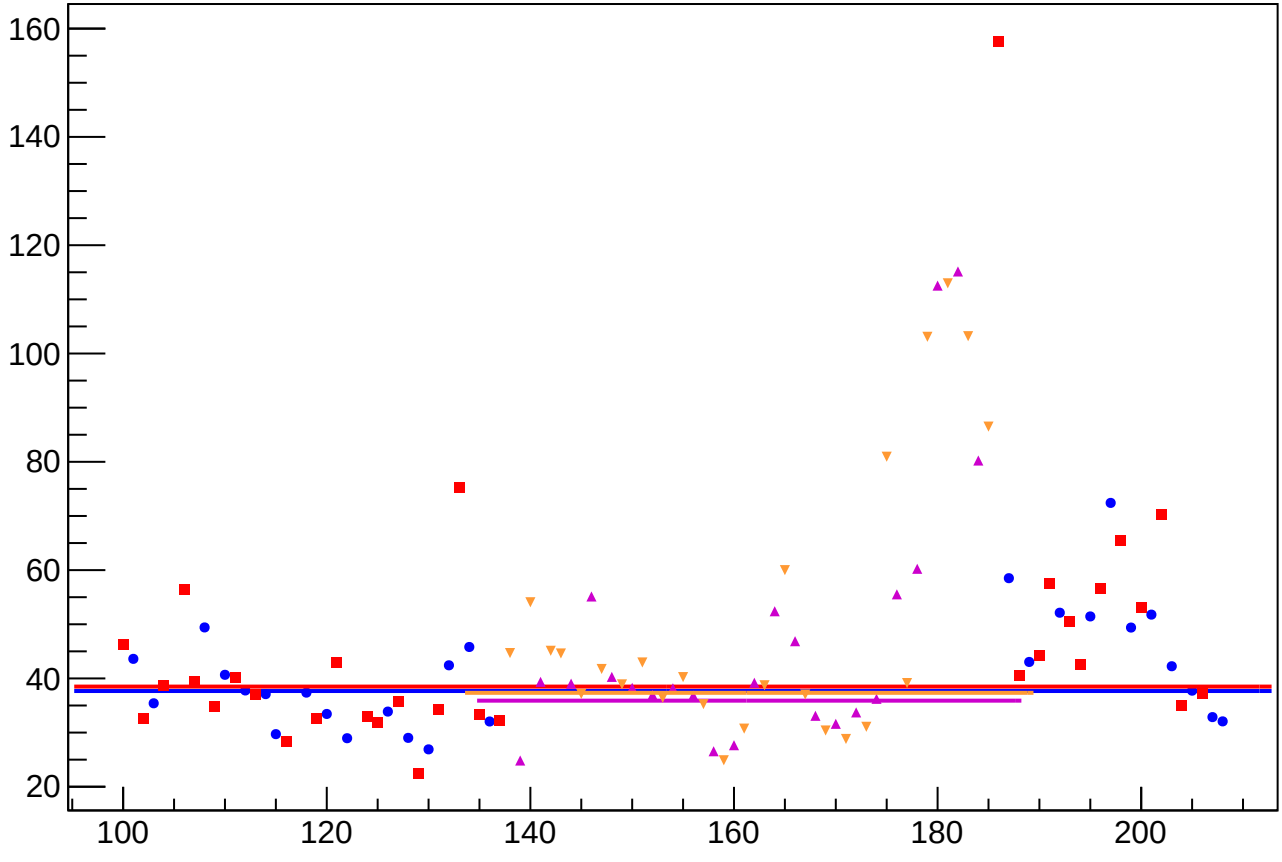
Right: -0.008+/-0.007 χ^2/NDF: 48.0/57

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.002+/-0.005 χ^2/NDF: 111.8/105

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

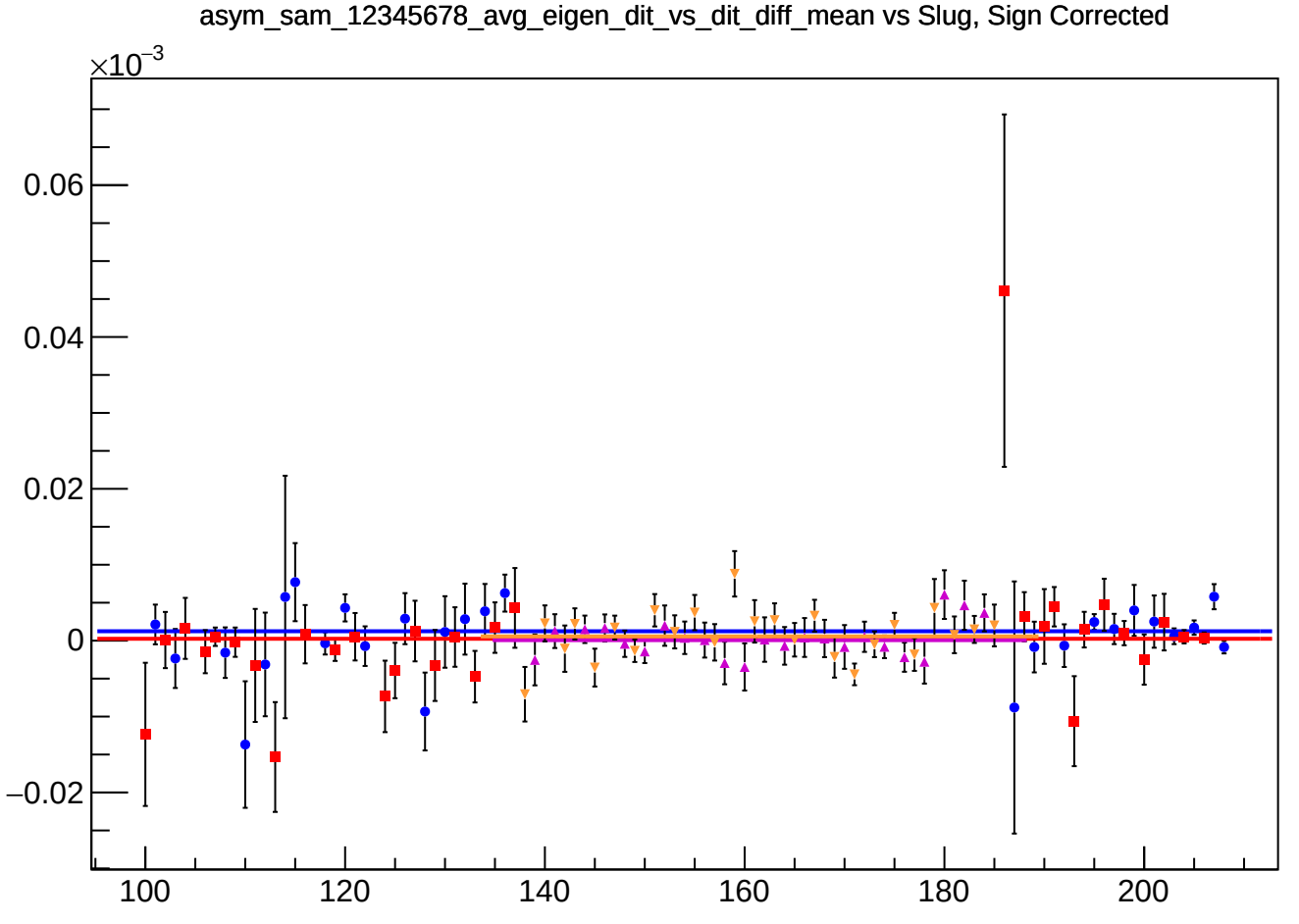
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.074+/-0.005 χ^2/NDF: 3773024.3/57

In: 36.701+/-0.005 χ^2/NDF:4653089.7/49

Out: 37.857+/-0.005 χ^2/NDF:5996296.8/55

All: 37.270+/-0.003 χ^2/NDF: 10678049.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/30

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

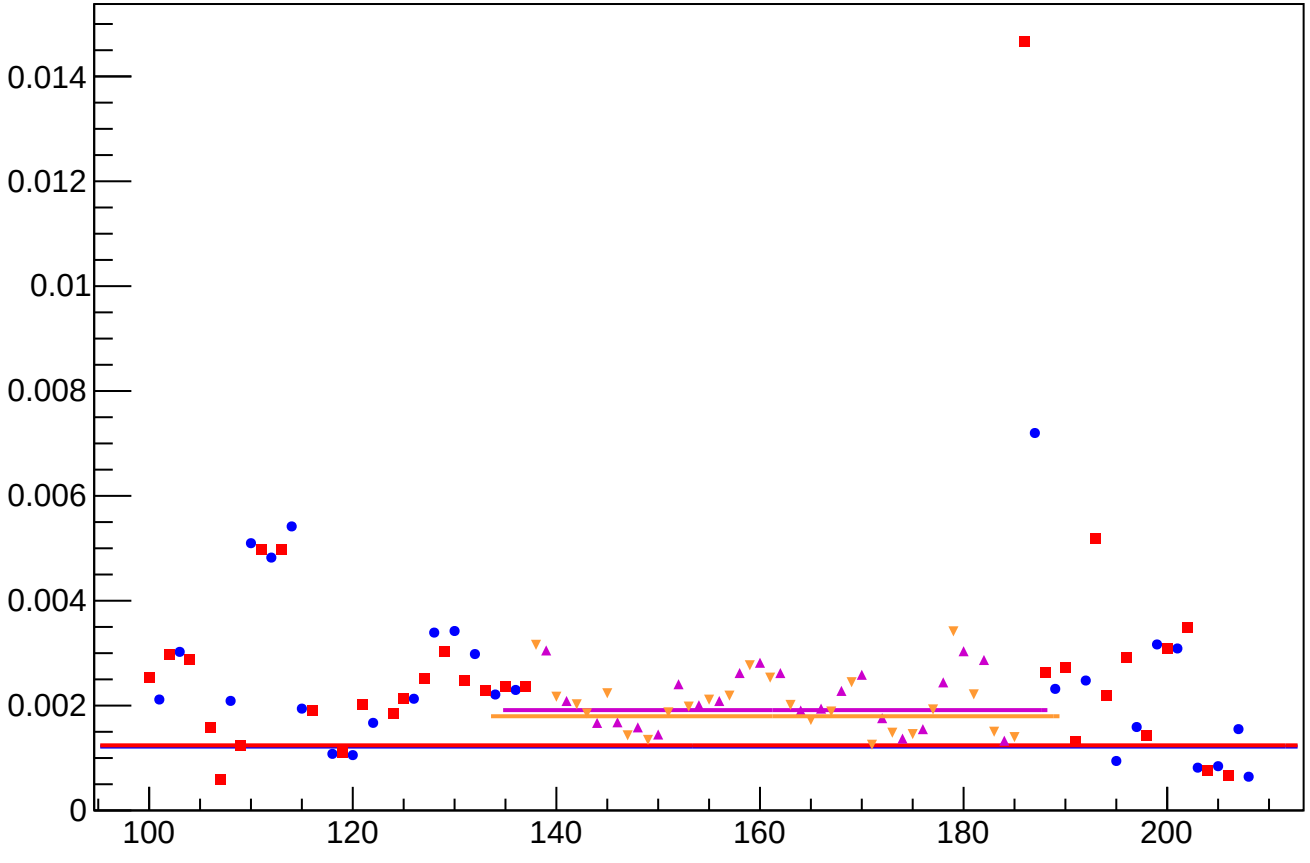
Right: 0.000+/-0.000 χ^2/NDF: 72.4/57

In: 0.000+/-0.000 χ^2/NDF:59.9/49

Out: 0.000+/-0.000 χ^2/NDF:73.7/55

All: 0.000+/-0.000 χ^2/NDF: 134.5/105

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7855521.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10109731.0/30

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

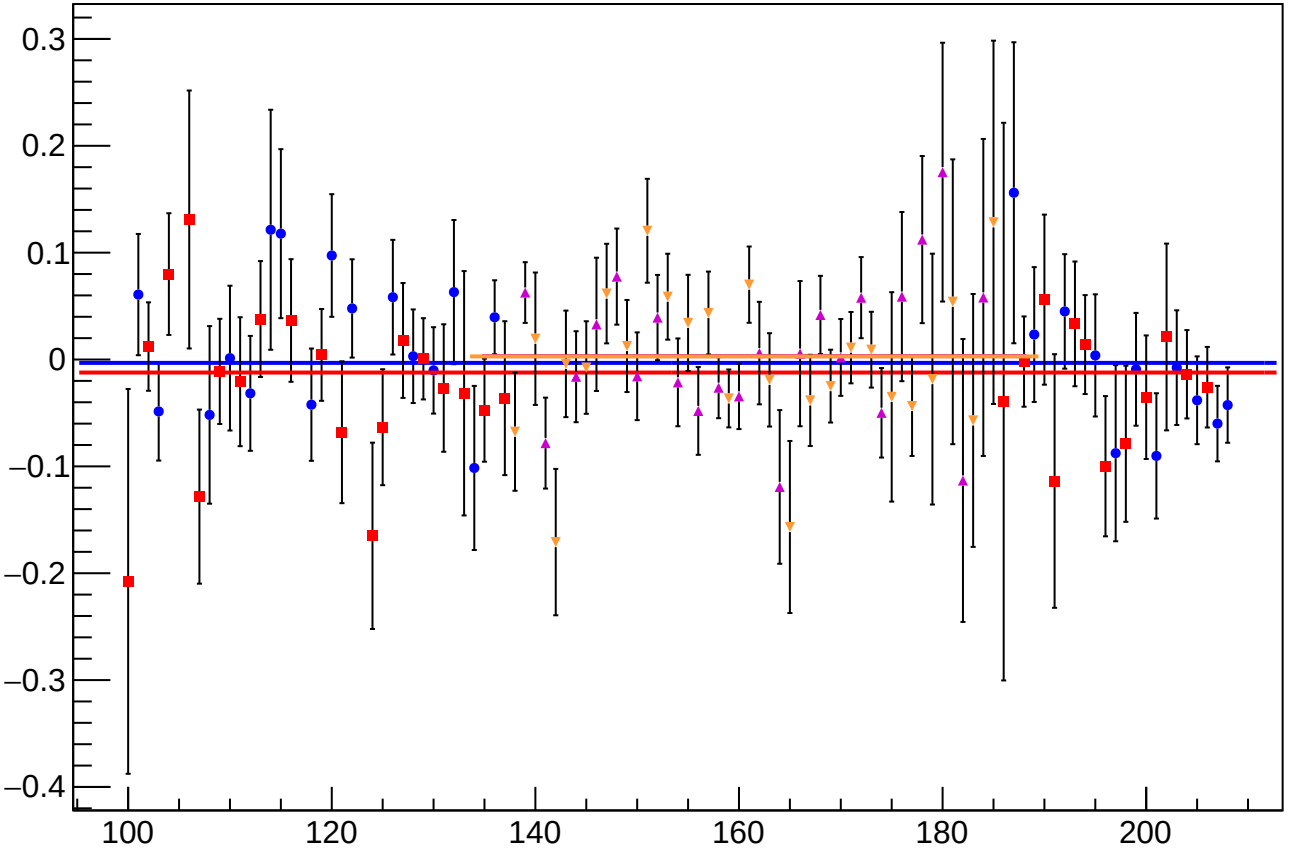
Right: 0.001+/-0.000 χ^2/NDF: 17969125.5/57

In: 0.001+/-0.000 χ^2/NDF:12752470.2/49

Out: 0.001+/-0.000 χ^2/NDF:14256903.5/55

All: 0.001+/-0.000 χ^2/NDF: 27009593.1/105

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

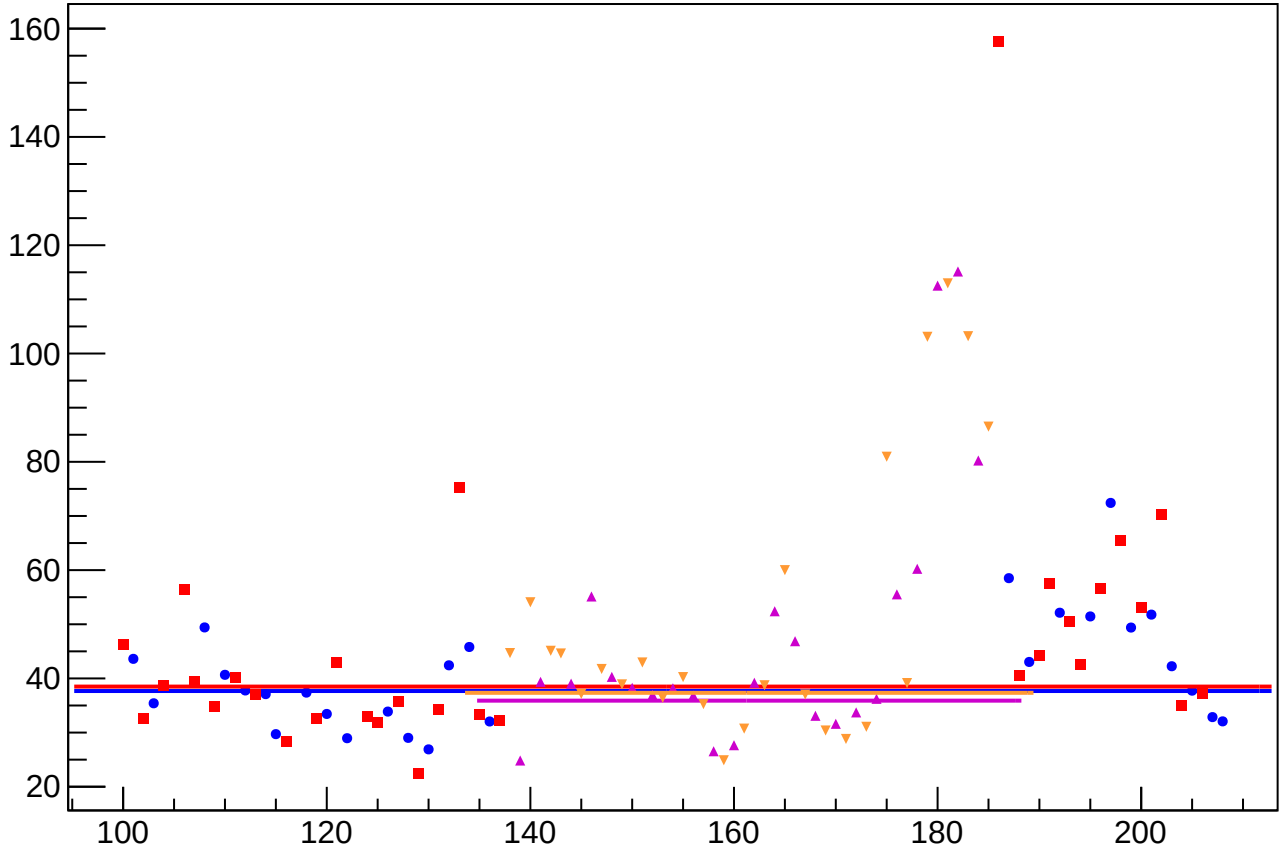
Right: -0.008+/-0.007 χ^2/NDF: 48.0/57

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.002+/-0.005 χ^2/NDF: 111.8/105

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

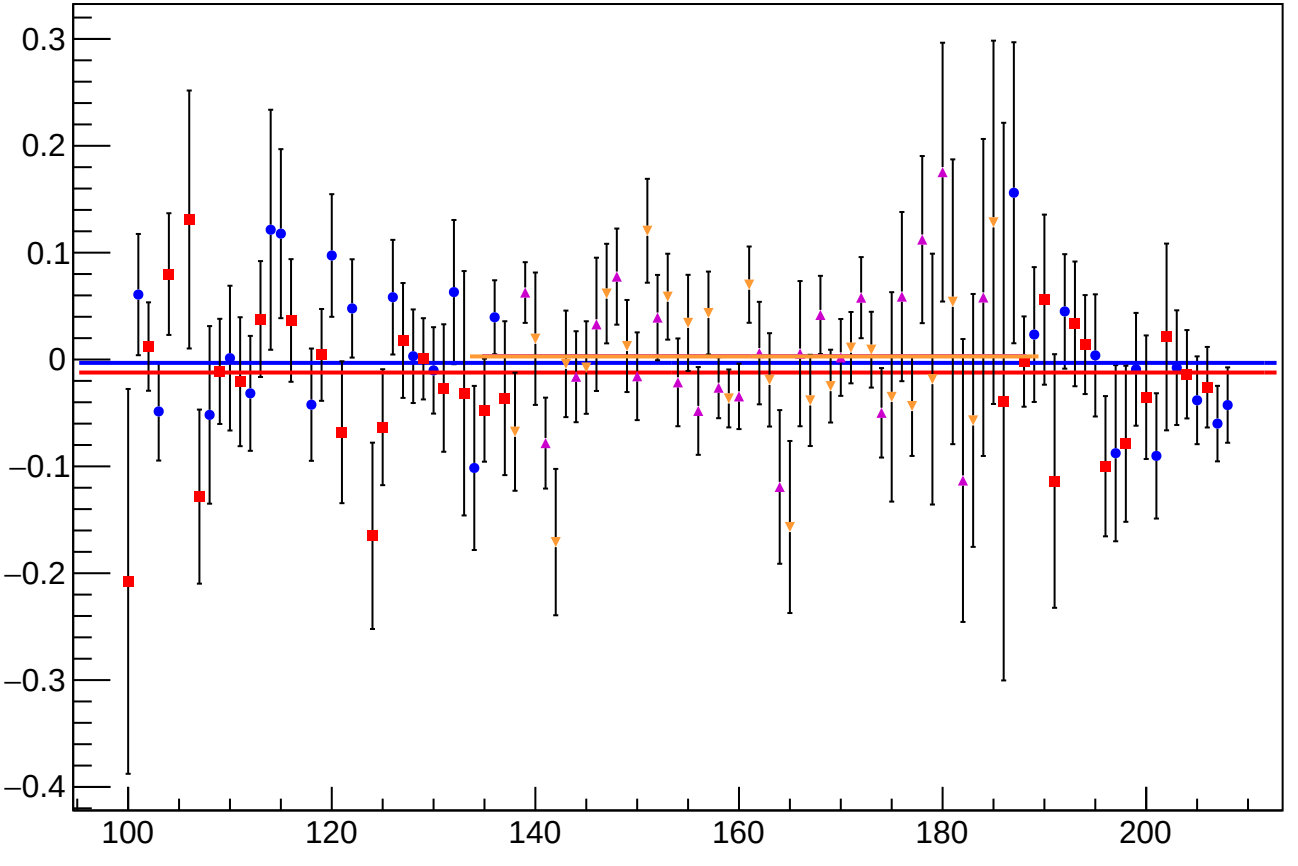
Right: 38.073+/-0.005 χ^2/NDF: 3773238.7/57

In: 36.701+/-0.005 χ^2/NDF:4653166.1/49

Out: 37.858+/-0.005 χ^2/NDF:5996451.0/55

All: 37.270+/-0.003 χ^2/NDF: 10678281.3/105

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

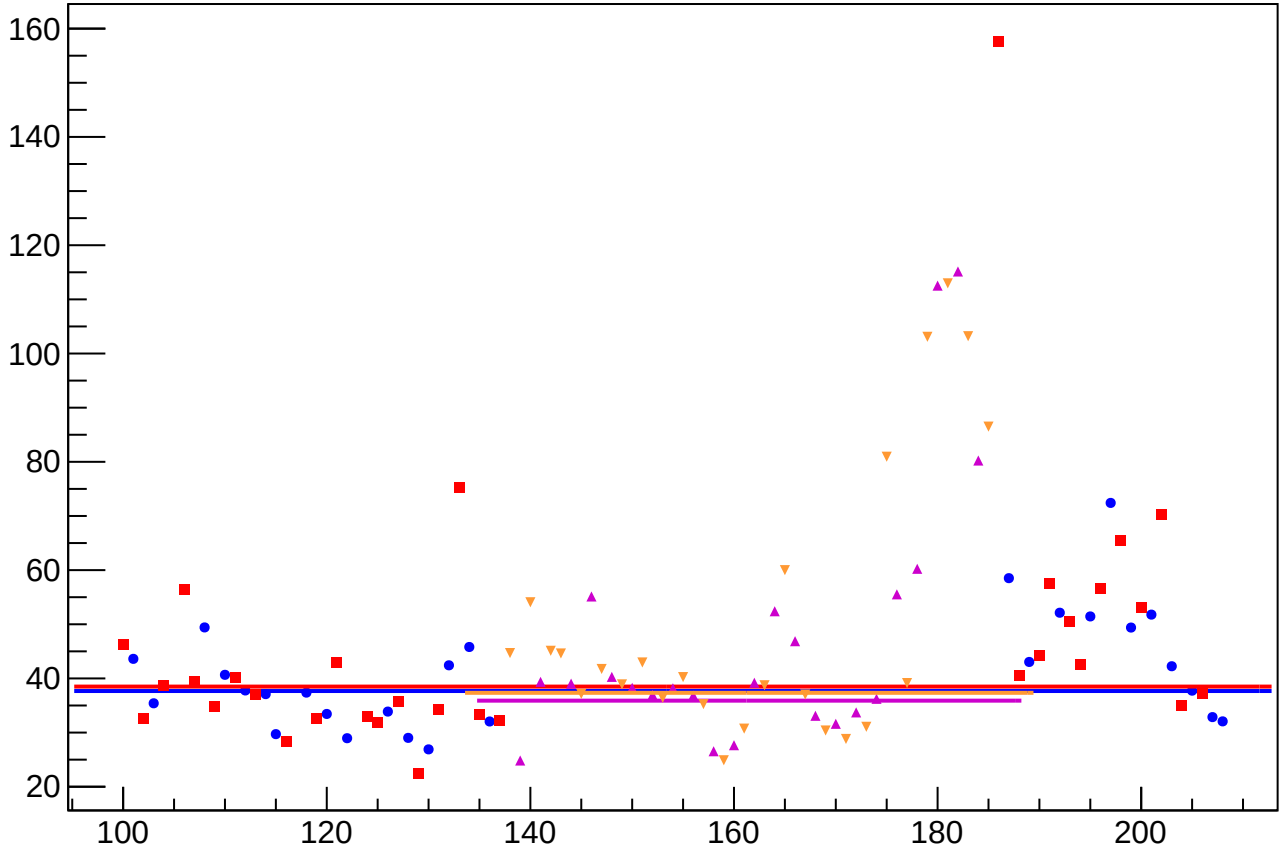
Right: -0.008+/-0.007 χ^2/NDF: 48.0/57

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.002+/-0.005 χ^2/NDF: 111.8/105

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

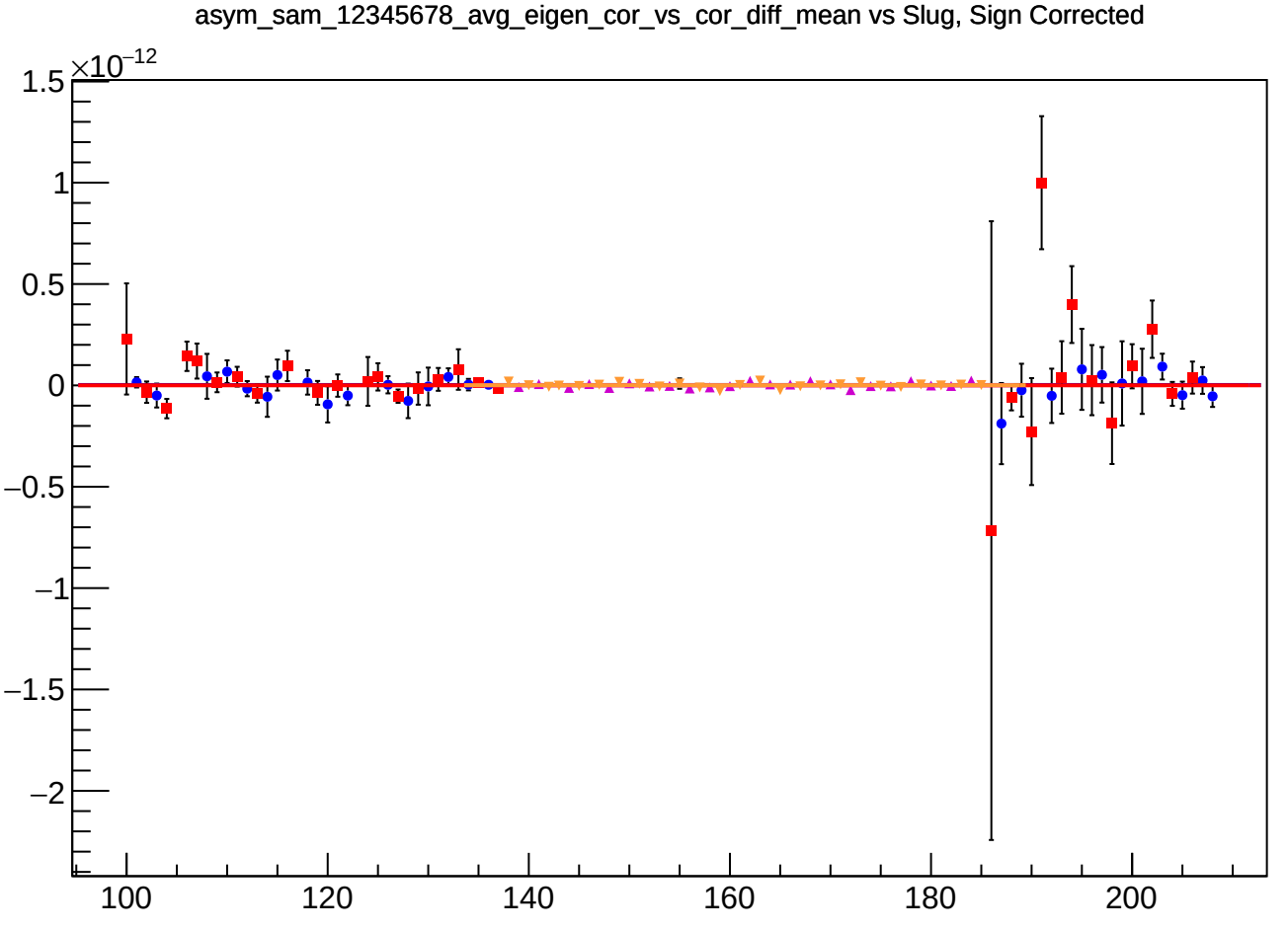
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 38.073+/-0.005 χ^2/NDF: 3773238.7/57

In: 36.701+/-0.005 χ^2/NDF:4653166.1/49

Out: 37.858+/-0.005 χ^2/NDF:5996451.0/55

All: 37.270+/-0.003 χ^2/NDF: 10678281.3/105



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/30

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

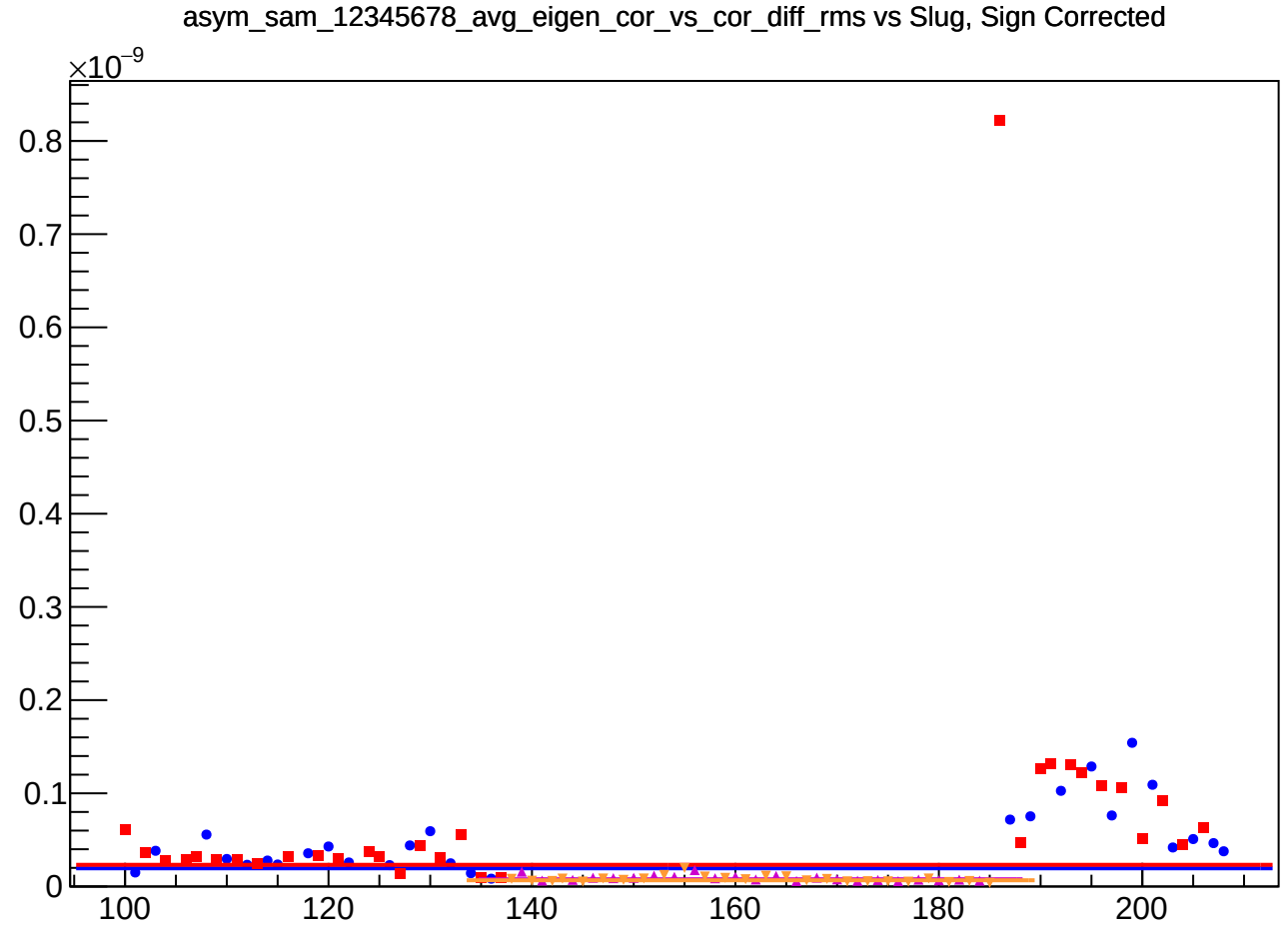
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.3/57

In: 0.000+/-0.000 χ^2/NDF:42.1/49

Out: 0.000+/-0.000 χ^2/NDF:64.7/55

All: 0.000+/-0.000 χ^2/NDF: 106.8/105



Right In: 0.000+/-0.000 χ^2/NDF: 8095074.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7573116.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

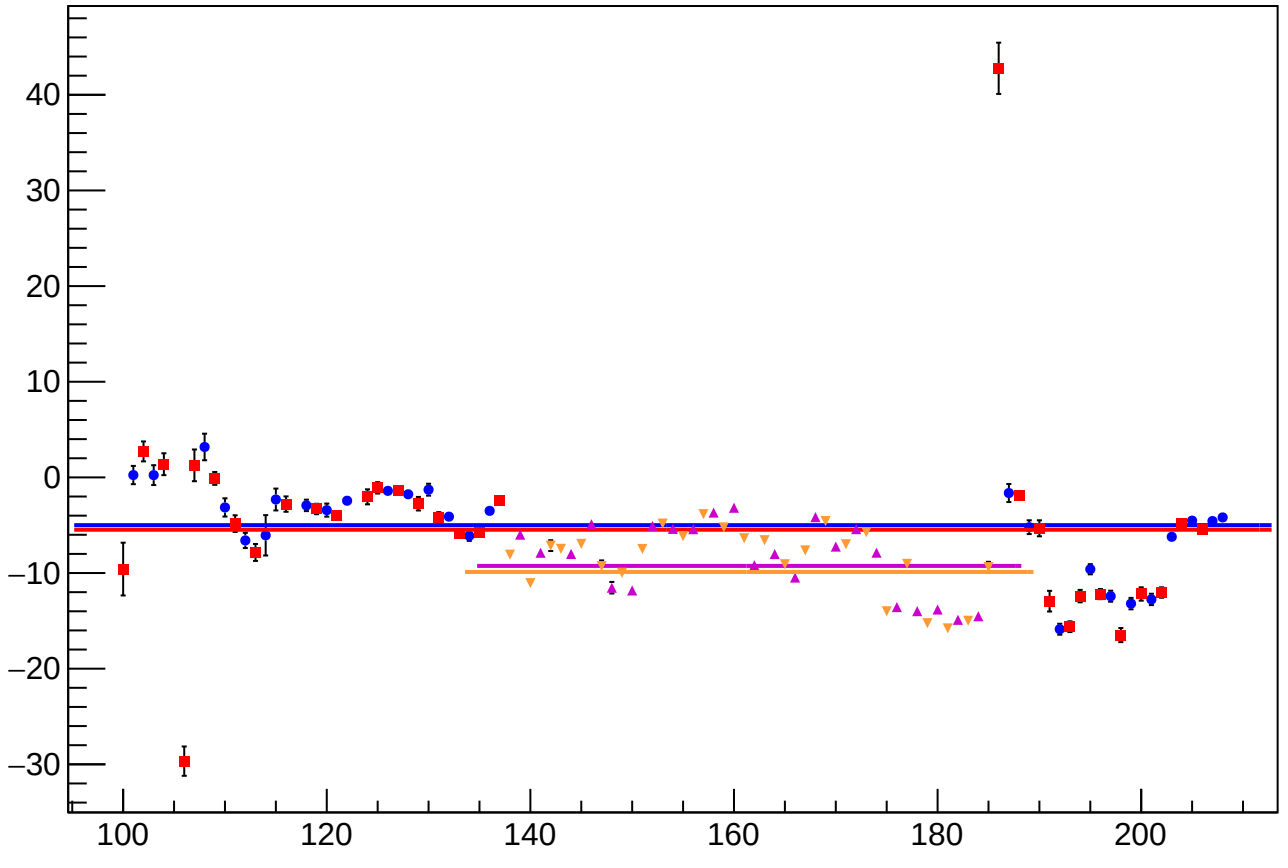
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15839078.7/57

In: 0.000+/-0.000 χ^2/NDF:13406328.1/49

Out: 0.000+/-0.000 χ^2/NDF:15336145.1/55

All: 0.000+/-0.000 χ^2/NDF: 29079076.5/105



Right In: -4.994+/-0.100 χ^2/NDF: 1324.8/26

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.475+/-0.105 χ^2/NDF: 2253.5/30

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

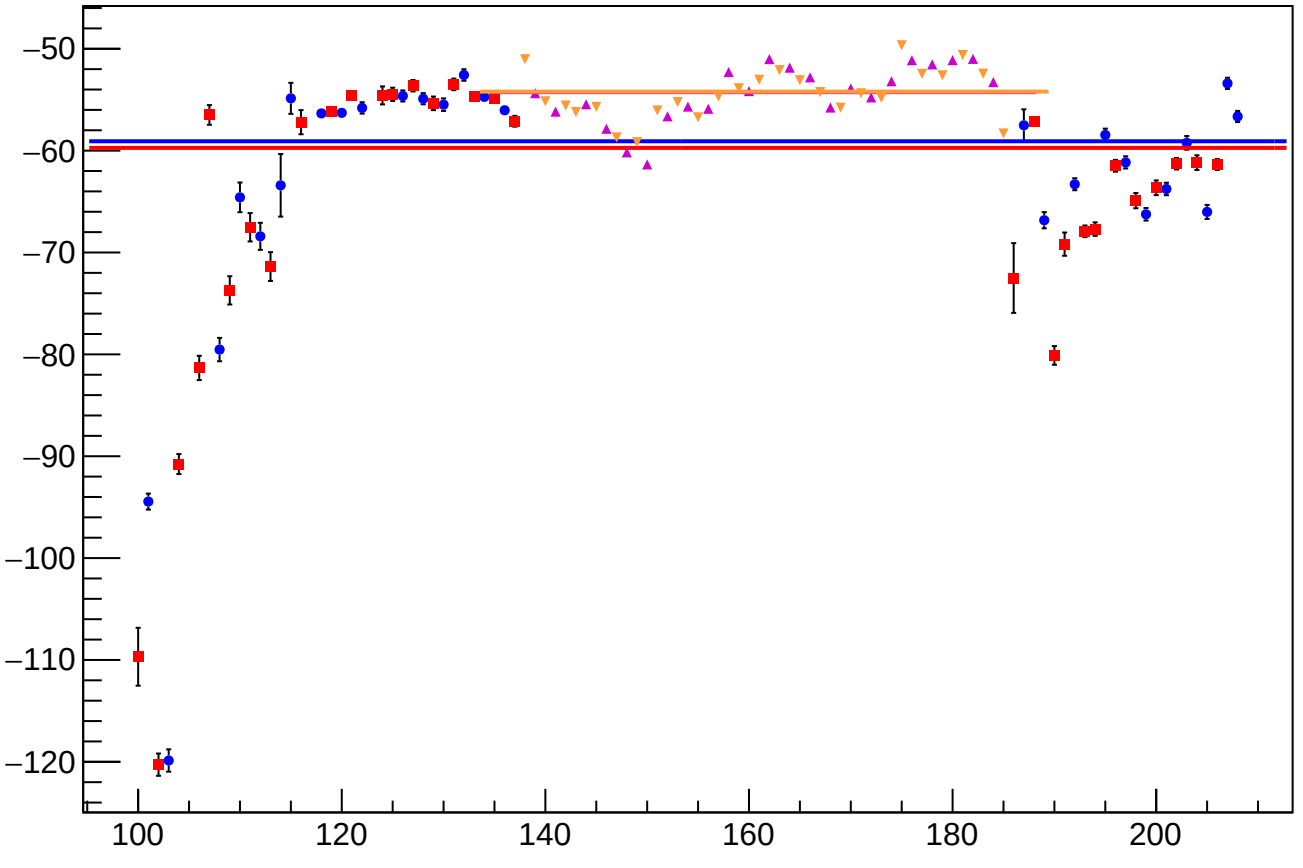
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.224+/-0.072 χ^2/NDF: 3589.4/57

In: -7.809+/-0.058 χ^2/NDF:5593.2/49

Out: -8.533+/-0.058 χ^2/NDF:6695.5/55

All: -8.173+/-0.041 χ^2/NDF: 12366.4/105



Right In: -59.080+/-0.111 χ^2/NDF: 6749.9/26

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.729+/-0.112 χ^2/NDF: 7053.1/30

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

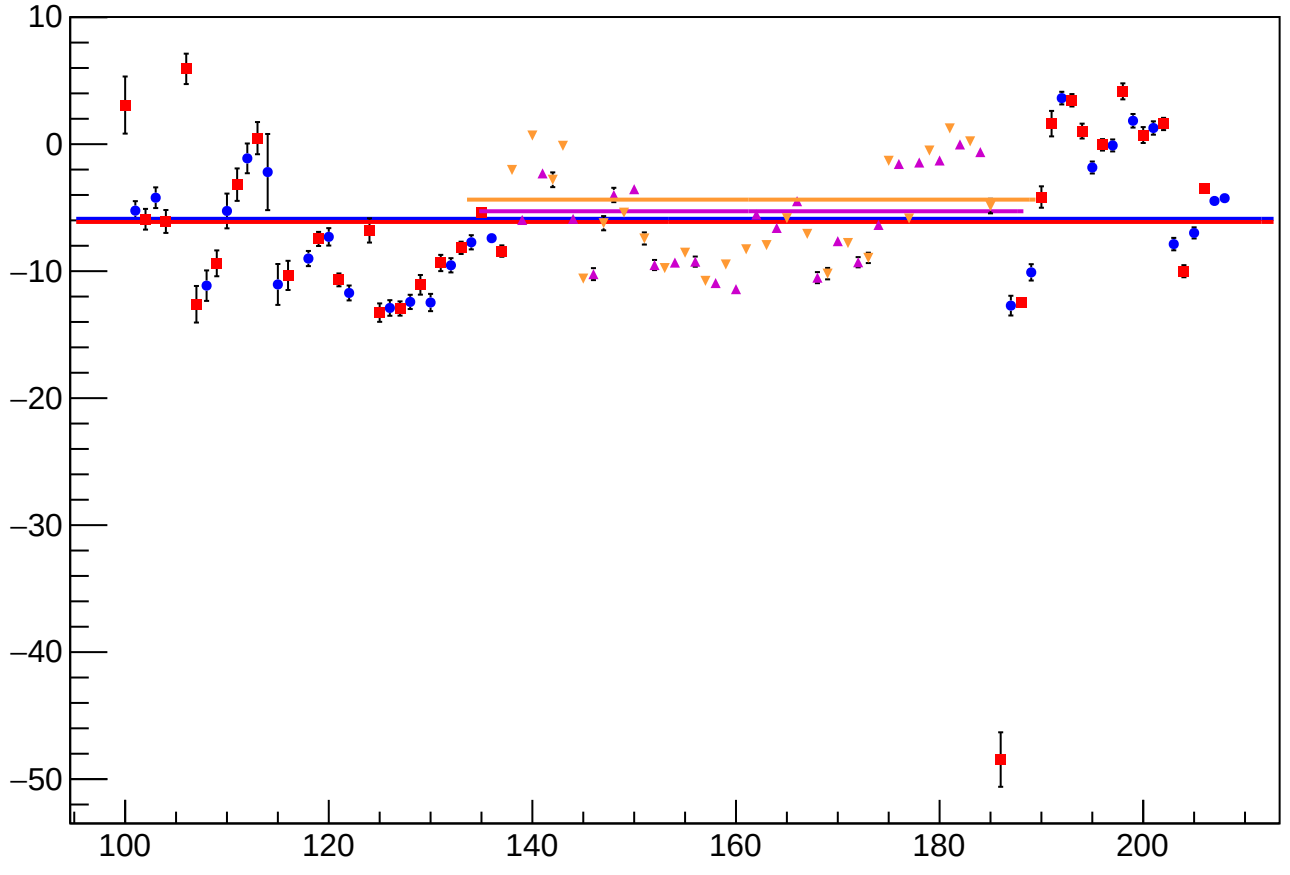
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.401+/-0.079 χ^2/NDF: 13819.9/57

In: -55.298+/-0.052 χ^2/NDF:10716.3/49

Out: -55.299+/-0.050 χ^2/NDF:10847.5/55

All: -55.299+/-0.036 χ^2/NDF: 21563.8/105



Right In: -5.878+/-0.100 χ^2/NDF: 1809.9/26

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.124+/-0.103 χ^2/NDF: 3161.4/30

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

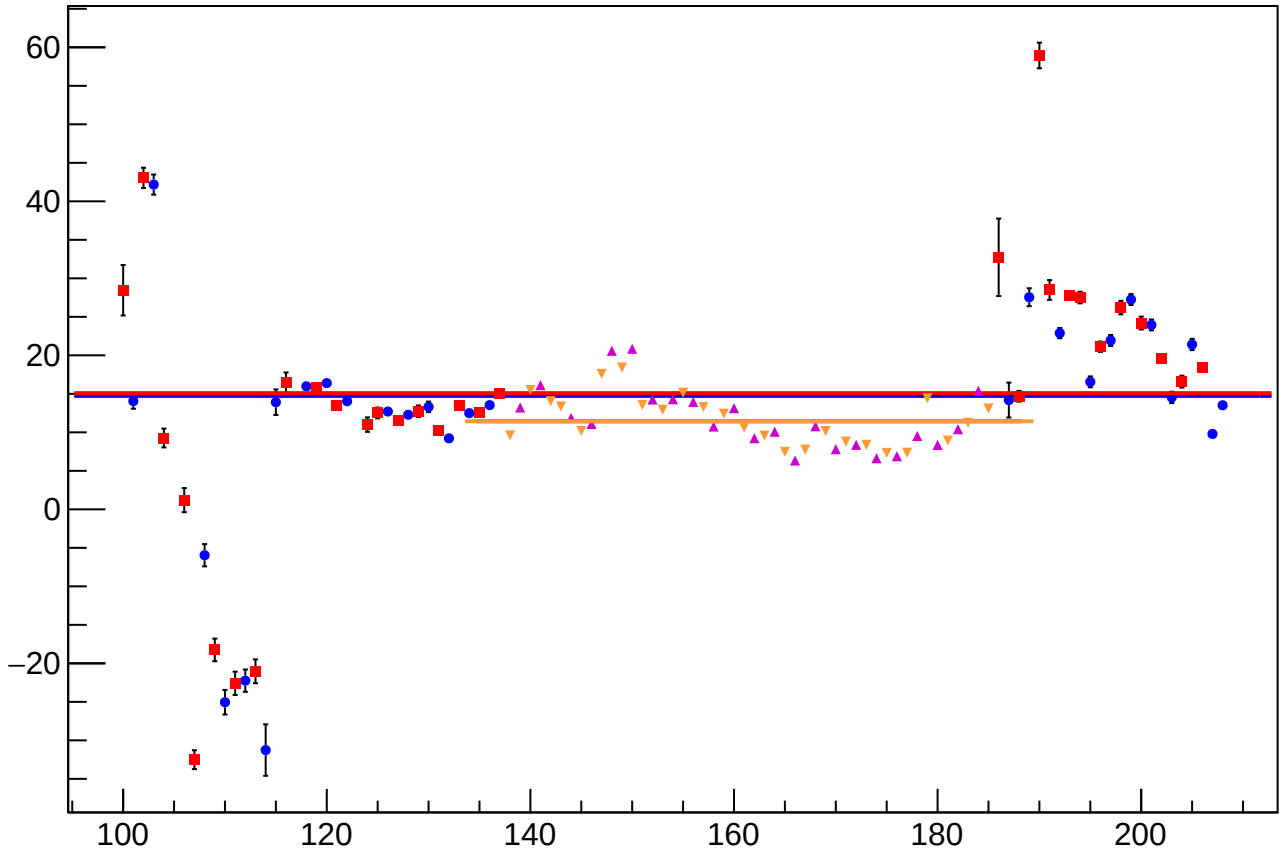
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.997+/-0.072 χ^2/NDF: 4974.2/57

In: -5.482+/-0.058 χ^2/NDF:4583.5/49

Out: -4.912+/-0.057 χ^2/NDF:7062.9/55

All: -5.195+/-0.041 χ^2/NDF: 11695.2/105



Right In: 14.737+/-0.124 χ^2/NDF: 3304.7/26

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.089+/-0.128 χ^2/NDF: 5901.2/30

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

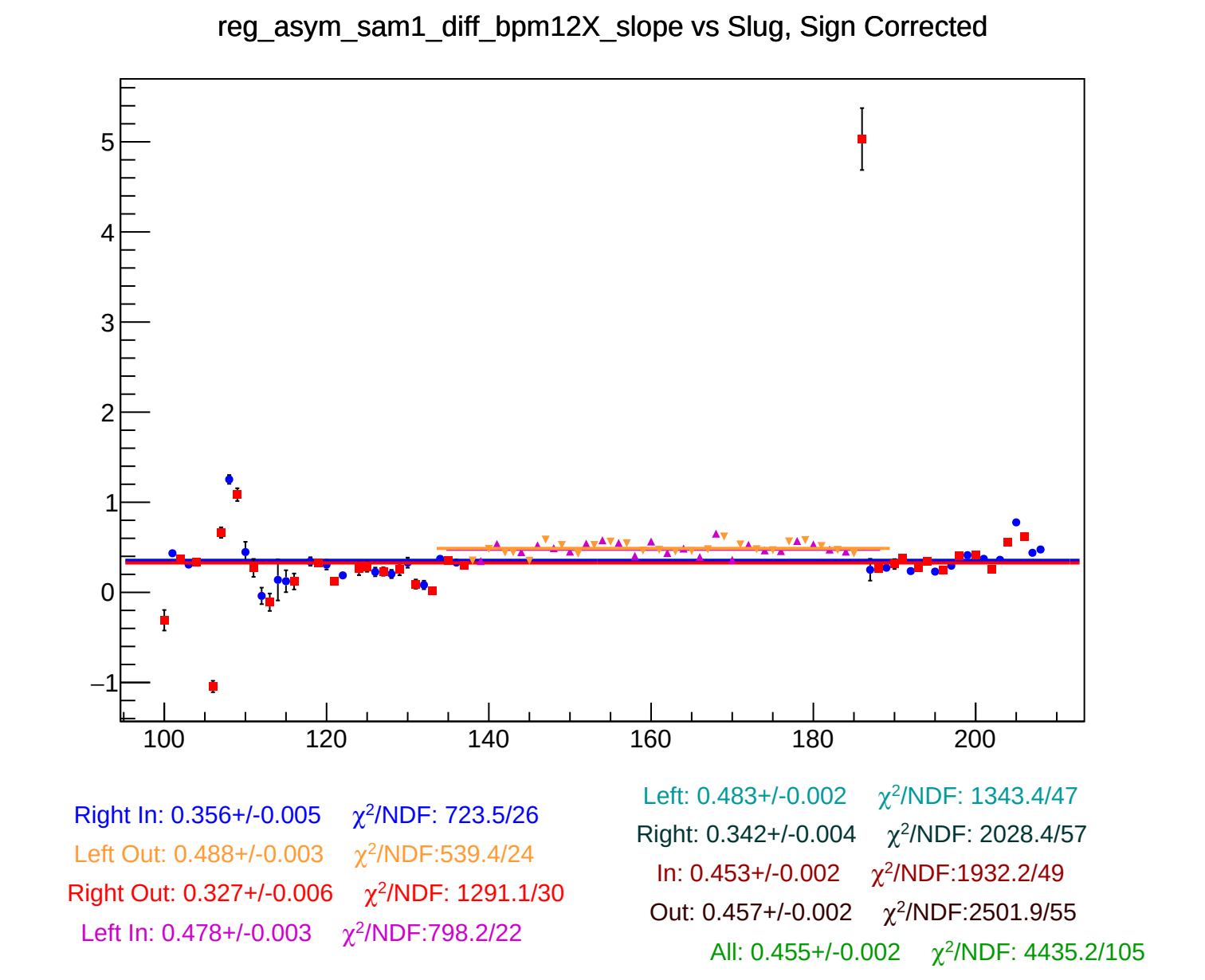
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

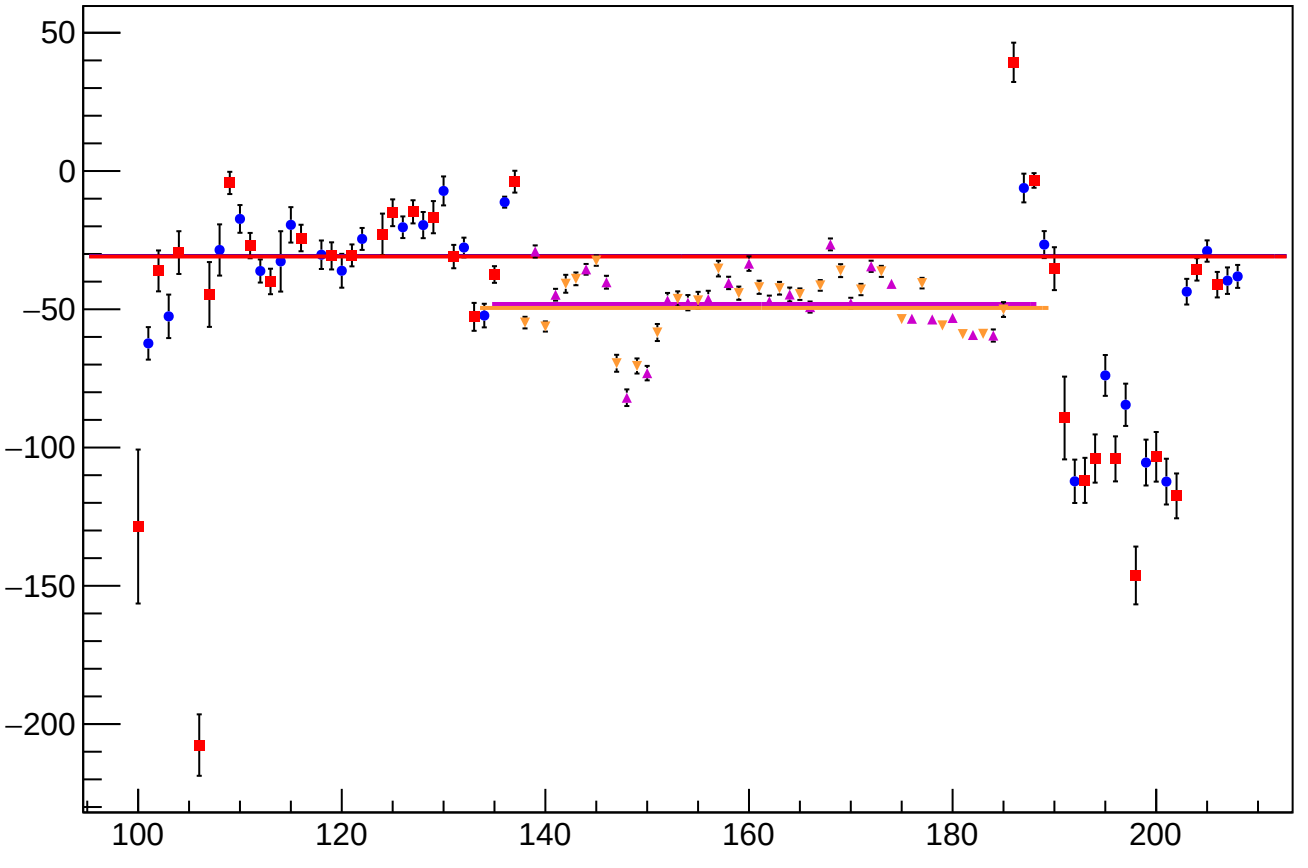
Right: 14.907+/-0.089 χ^2/NDF: 9209.8/57

In: 12.137+/-0.057 χ^2/NDF:7219.3/49

Out: 12.131+/-0.056 χ^2/NDF:8995.3/55

All: 12.134+/-0.040 χ^2/NDF: 16214.6/105


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.356+/-0.005 χ²/NDF: 723.5/26
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.327+/-0.006 χ²/NDF: 1291.1/30
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.342+/-0.004 χ²/NDF: 2028.4/57
In: 0.453+/-0.002 χ²/NDF:1932.2/49
Out: 0.457+/-0.002 χ²/NDF:2501.9/55
All: 0.455+/-0.002 χ²/NDF: 4435.2/105



Right In: -30.728+/-0.905 χ^2/NDF: 614.6/26

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.910+/-0.934 χ^2/NDF: 1198.7/30

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

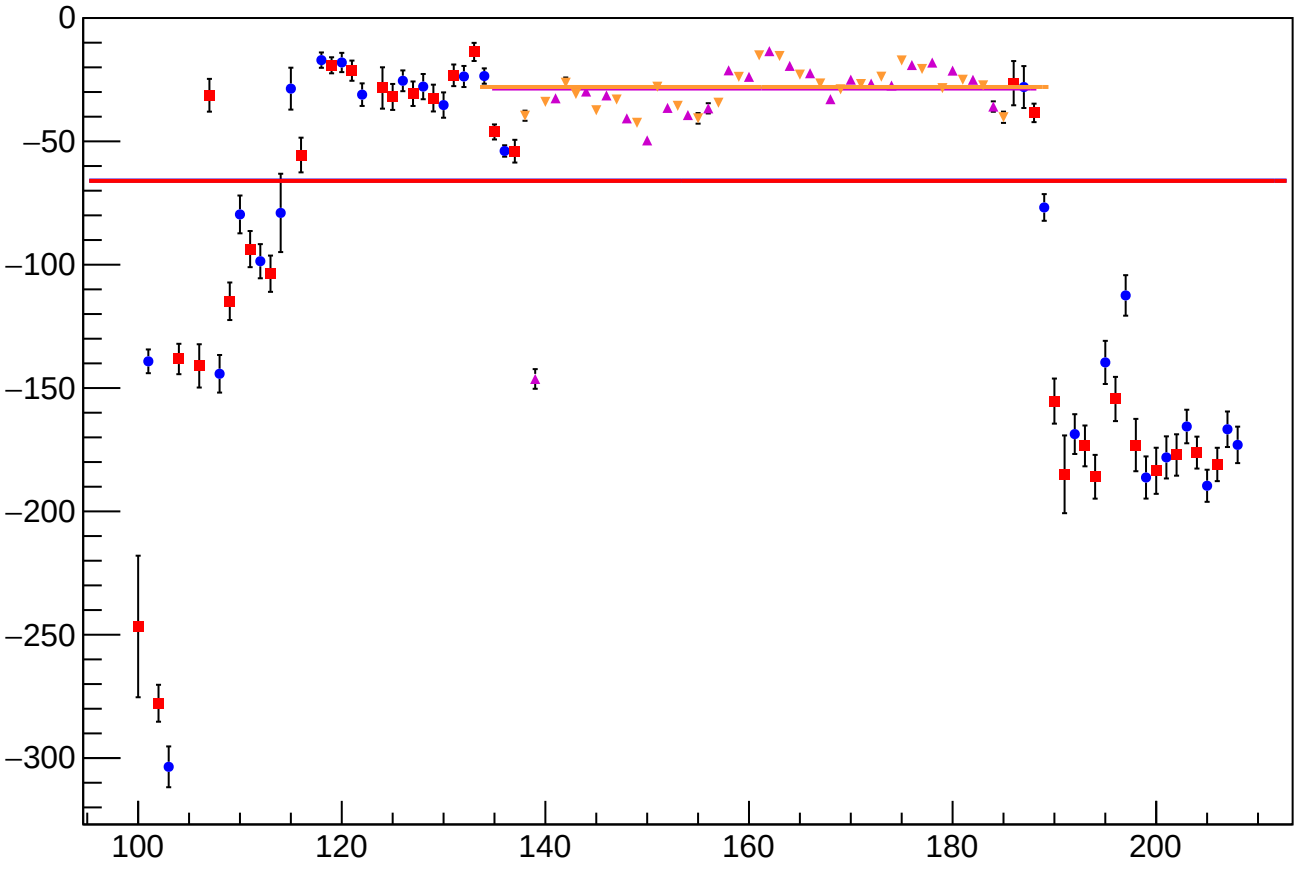
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -30.816+/-0.650 χ^2/NDF: 1813.3/57

In: -45.026+/-0.380 χ^2/NDF:1624.1/49

Out: -46.605+/-0.370 χ^2/NDF:2109.5/55

All: -45.837+/-0.265 χ^2/NDF: 3742.6/105



Right In: -65.902+/-0.987 χ^2/NDF: 3798.0/26

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -66.035+/-1.034 χ^2/NDF: 3675.2/30

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

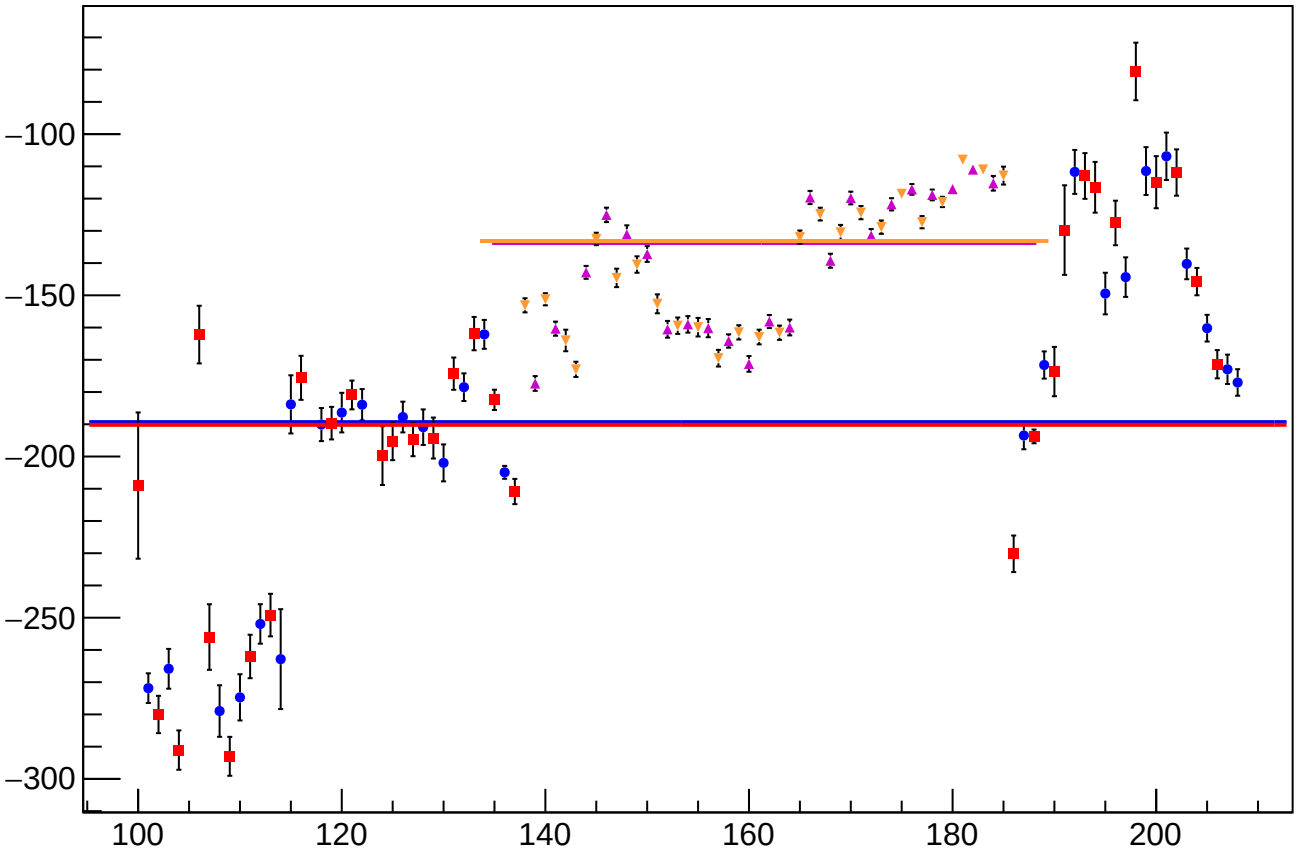
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -65.965+/-0.714 χ^2/NDF: 7473.3/57

In: -32.418+/-0.316 χ^2/NDF:6561.1/49

Out: -31.305+/-0.307 χ^2/NDF:5409.4/55

All: -31.845+/-0.220 χ^2/NDF: 11977.0/105



Right In: -189.338+/-0.933 χ^2/NDF: 1634.1/26

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -190.166+/-0.955 χ^2/NDF: 1984.2/30

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

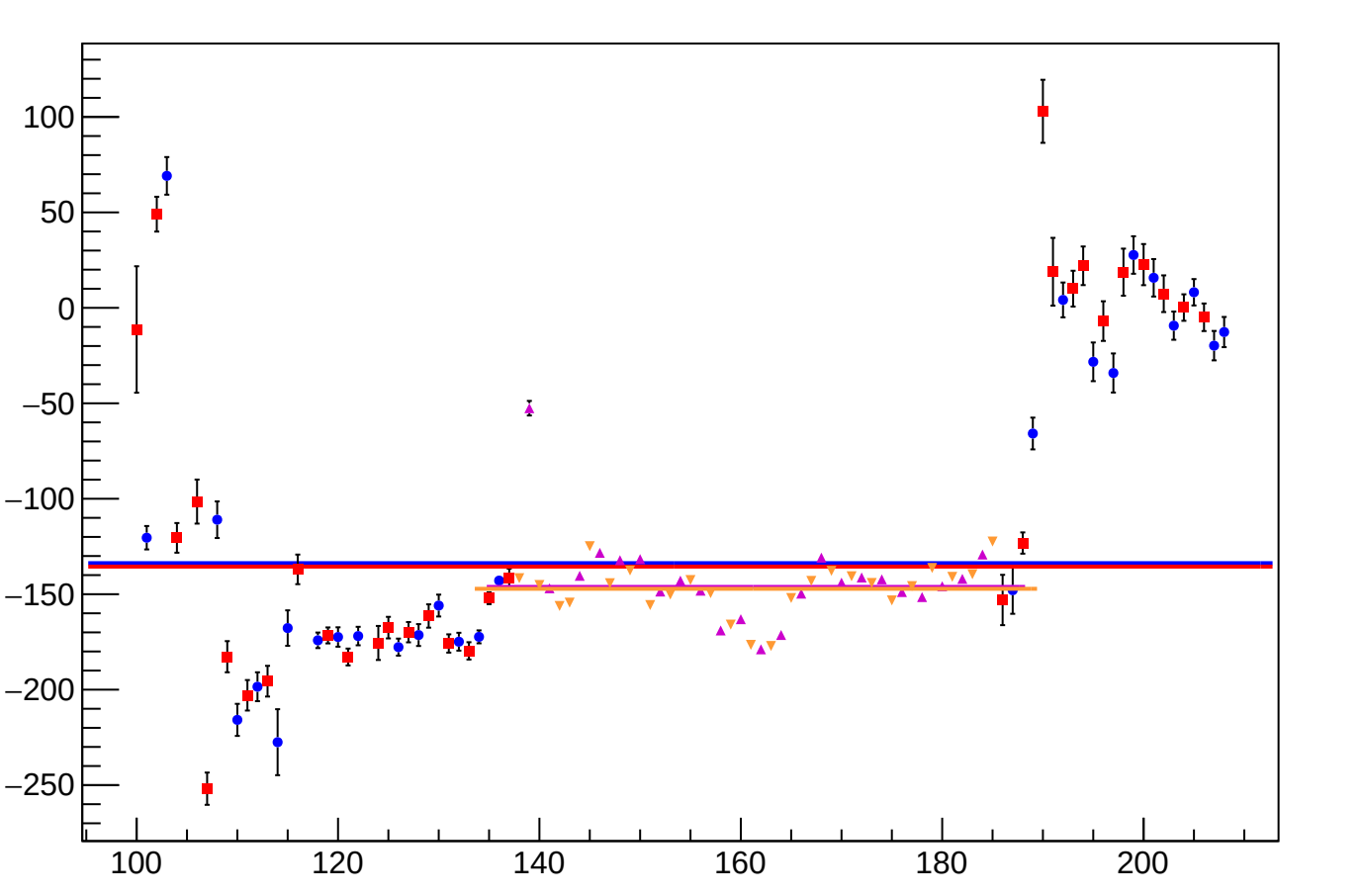
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.742+/-0.667 χ^2/NDF: 3618.6/57

In: -143.033+/-0.381 χ^2/NDF:7032.4/49

Out: -141.769+/-0.371 χ^2/NDF:7539.8/55

All: -142.385+/-0.266 χ^2/NDF: 14577.9/105



Right In: -133.739+/-1.110 χ^2/NDF: 3401.9/26

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -135.544+/-1.185 χ^2/NDF: 3514.0/30

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

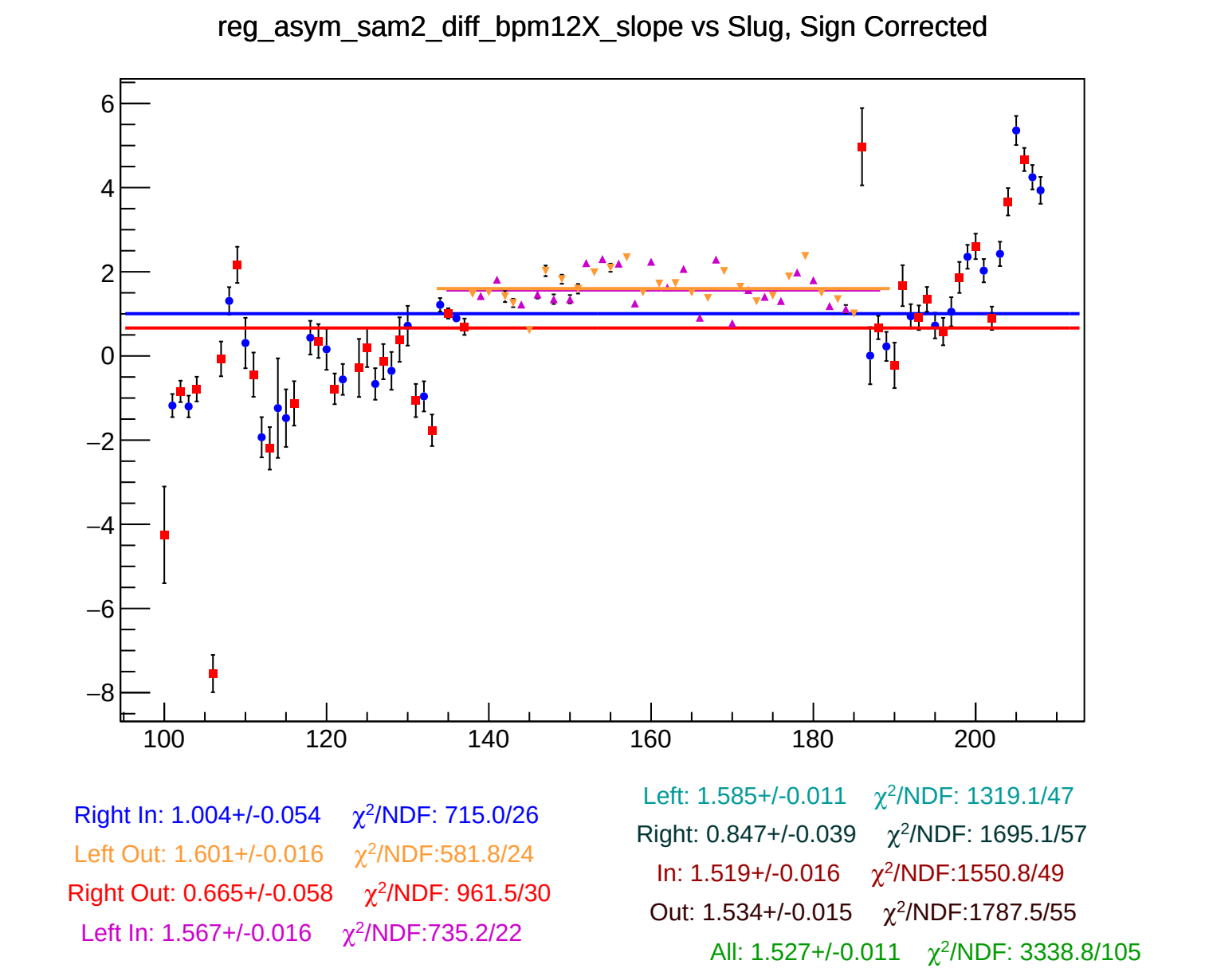
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

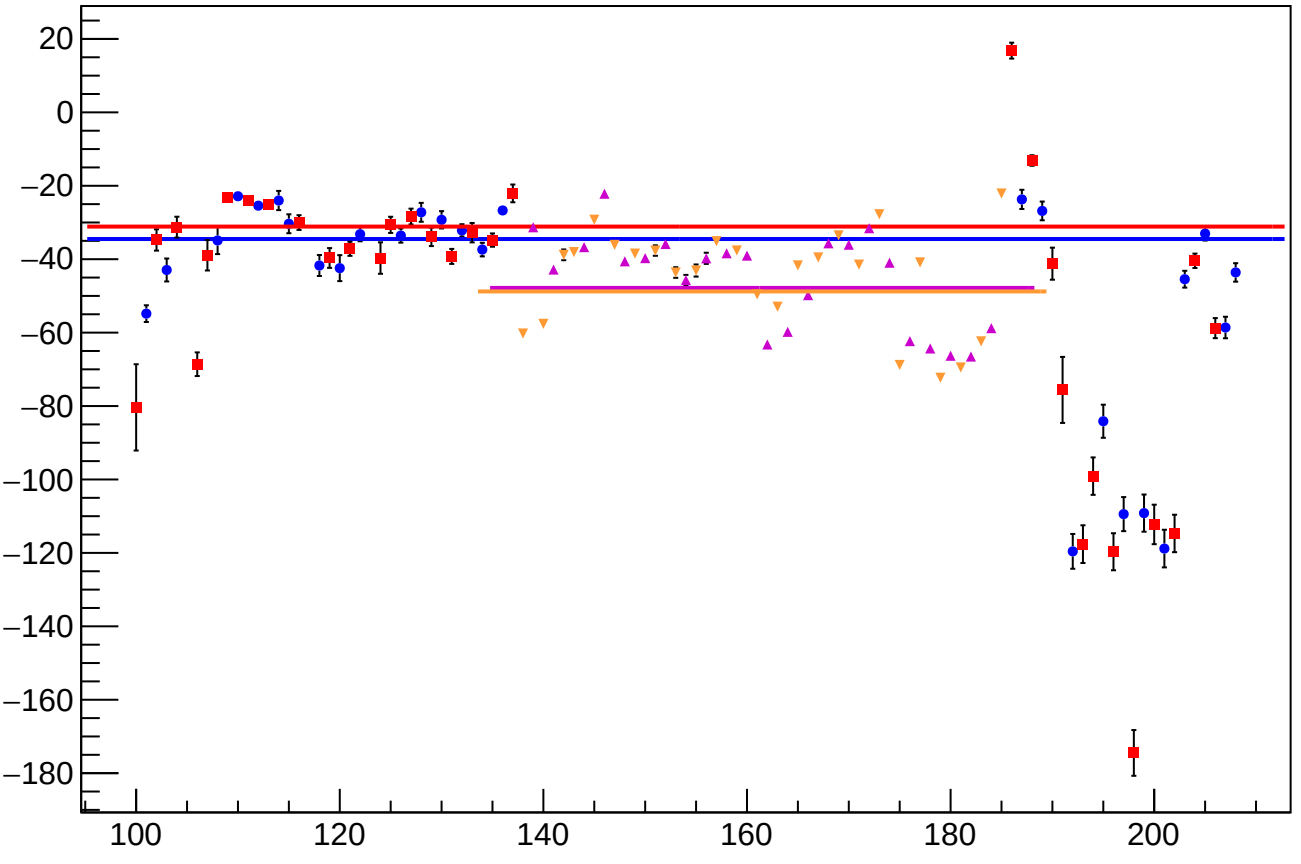
Right: -134.583+/-0.810 χ^2/NDF: 6917.1/57

In: -144.927+/-0.352 χ^2/NDF:5308.5/49

Out: -146.195+/-0.343 χ^2/NDF:4847.8/55

All: -145.577+/-0.245 χ^2/NDF: 10162.9/105


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 1.004+/-0.054 χ²/NDF: 715.0/26
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.665+/-0.058 χ²/NDF: 961.5/30
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.847+/-0.039 χ²/NDF: 1695.1/57
In: 1.519+/-0.016 χ²/NDF:1550.8/49
Out: 1.534+/-0.015 χ²/NDF:1787.5/55
All: 1.527+/-0.011 χ²/NDF: 3338.8/105



Right In: -34.500+/-0.414 χ^2/NDF: 1655.1/26

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.113+/-0.399 χ^2/NDF: 2935.6/30

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

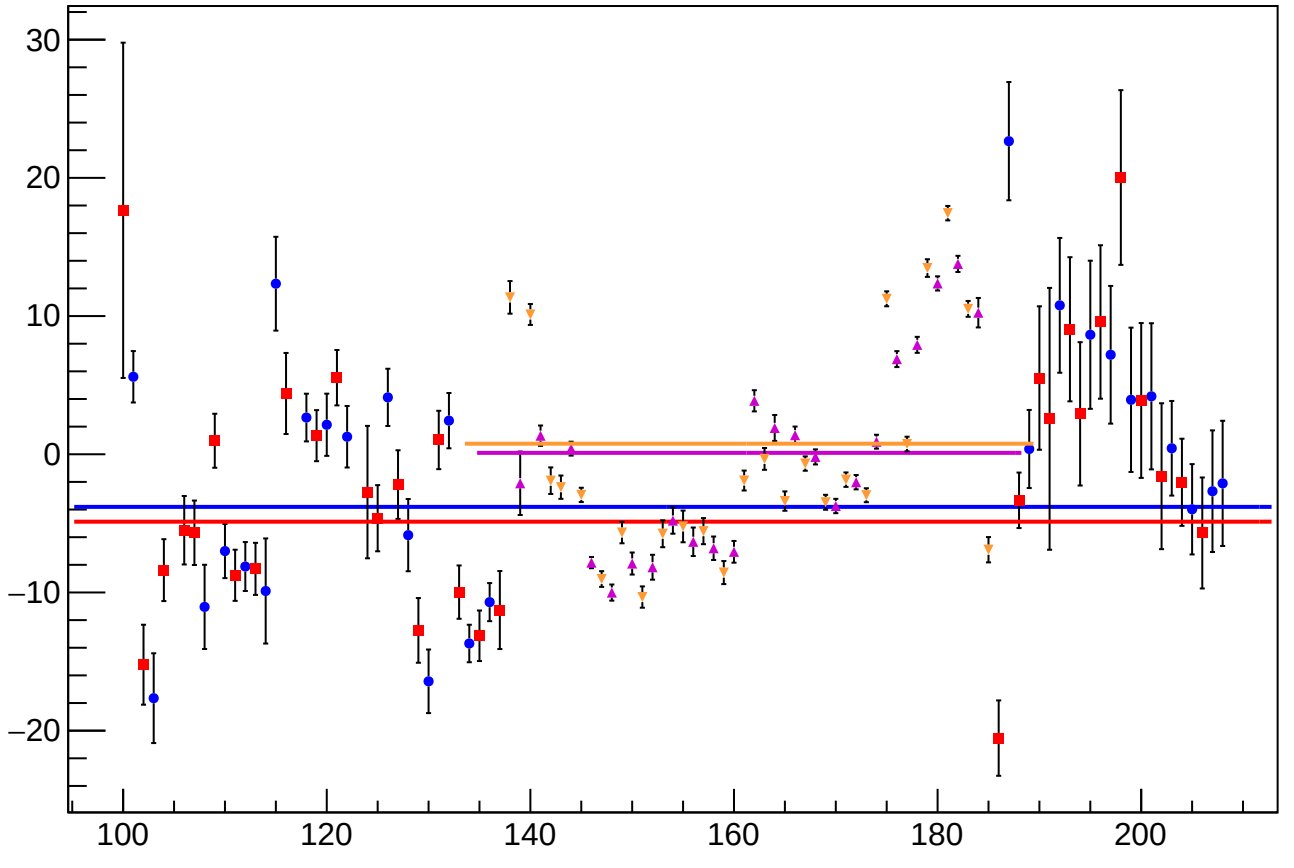
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -32.741+/-0.287 χ^2/NDF: 4625.4/57

In: -45.902+/-0.157 χ^2/NDF:9763.4/49

Out: -46.150+/-0.154 χ^2/NDF:13562.4/55

All: -46.029+/-0.110 χ^2/NDF: 23327.1/105



Right In: -3.807+/-0.471 χ^2/NDF: 308.5/26

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.878+/-0.475 χ^2/NDF: 210.5/30

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

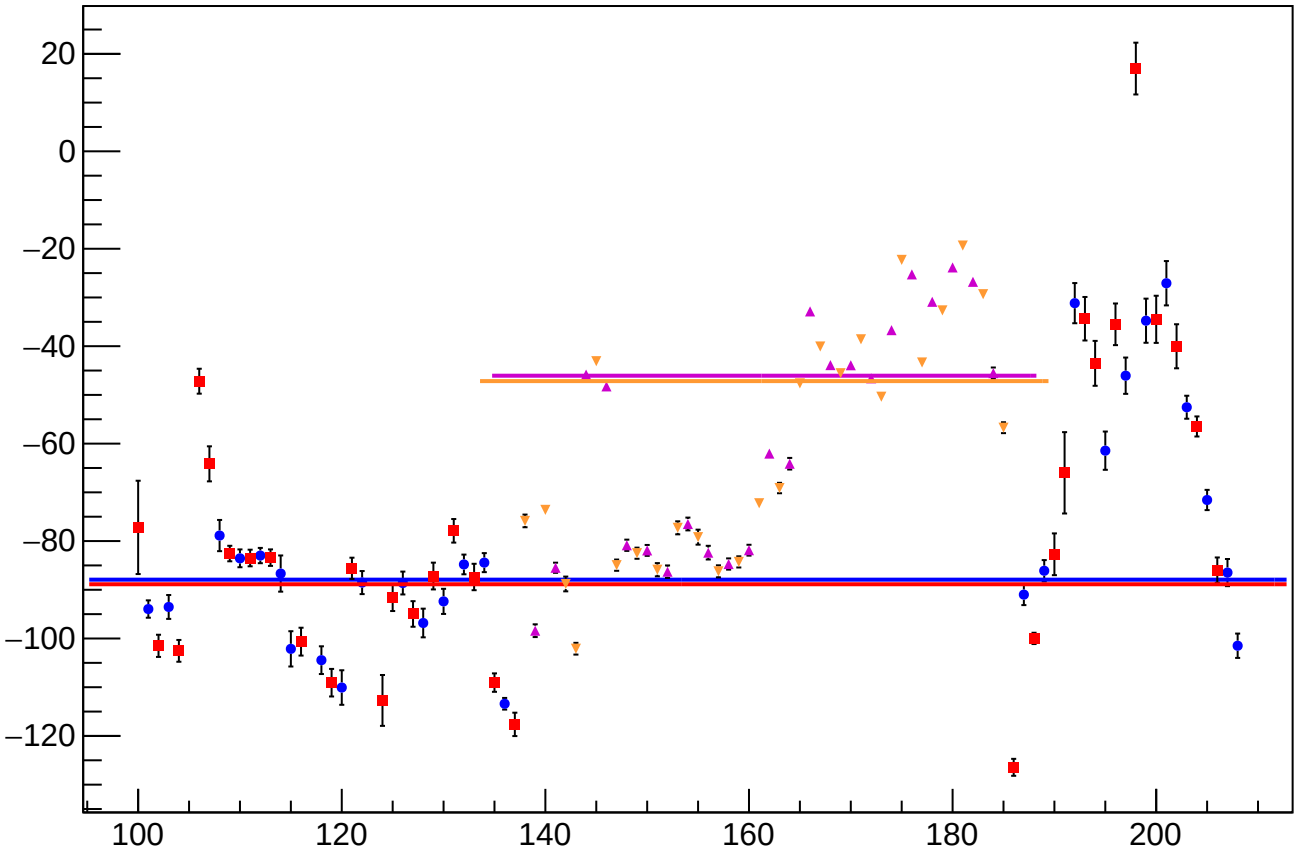
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.339+/-0.334 χ^2/NDF: 521.6/57

In: -0.186+/-0.128 χ^2/NDF:3094.0/49

Out: 0.358+/-0.127 χ^2/NDF:3808.9/55

All: 0.087+/-0.090 χ^2/NDF: 6912.0/105



Right In: -87.922+/-0.452 χ^2/NDF: 1597.0/26

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.867+/-0.439 χ^2/NDF: 2652.3/30

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

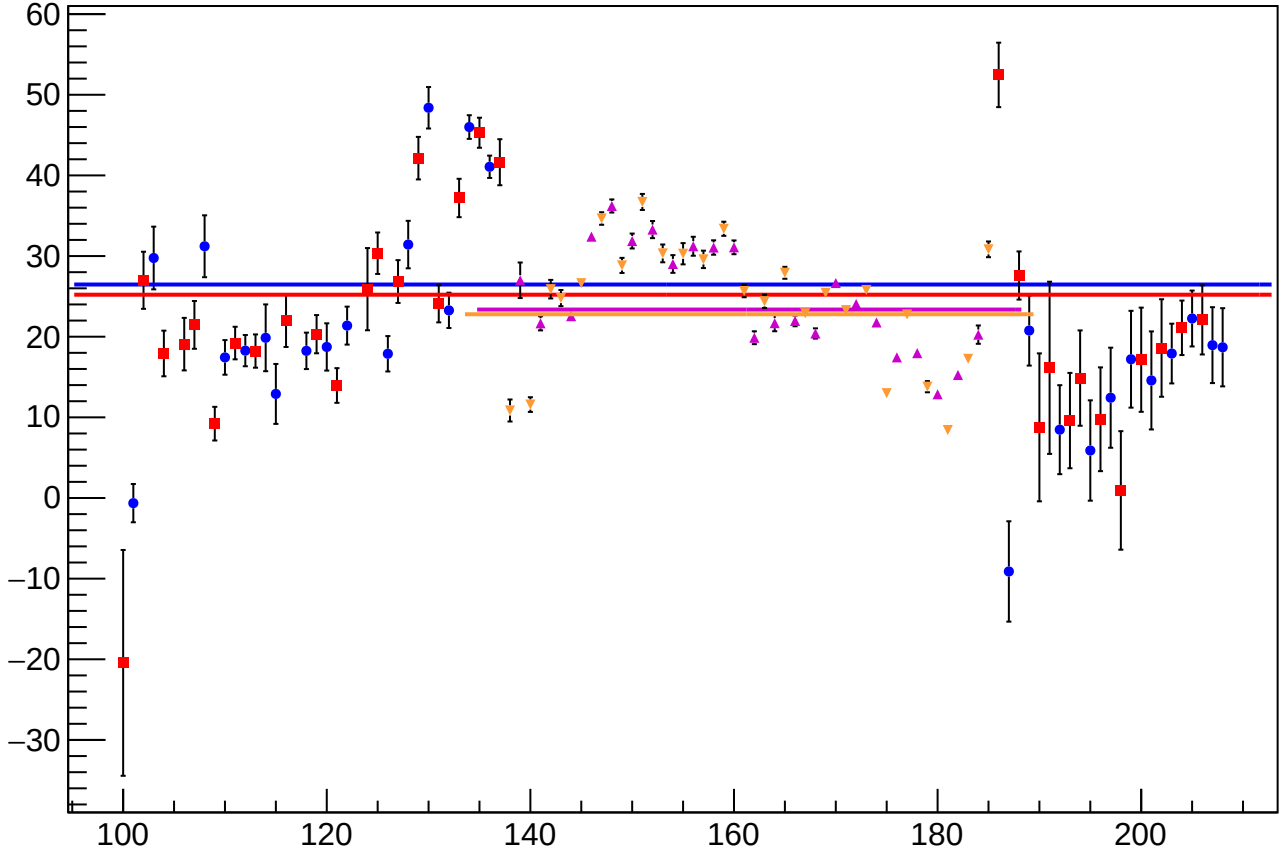
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -88.409+/-0.315 χ^2/NDF: 4251.5/57

In: -51.246+/-0.159 χ^2/NDF:23868.2/49

Out: -52.478+/-0.157 χ^2/NDF:28200.0/55

All: -51.873+/-0.112 χ^2/NDF: 52098.6/105



Right In: 26.471+/-0.531 χ^2/NDF: 670.3/26

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.208+/-0.546 χ^2/NDF: 437.4/30

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

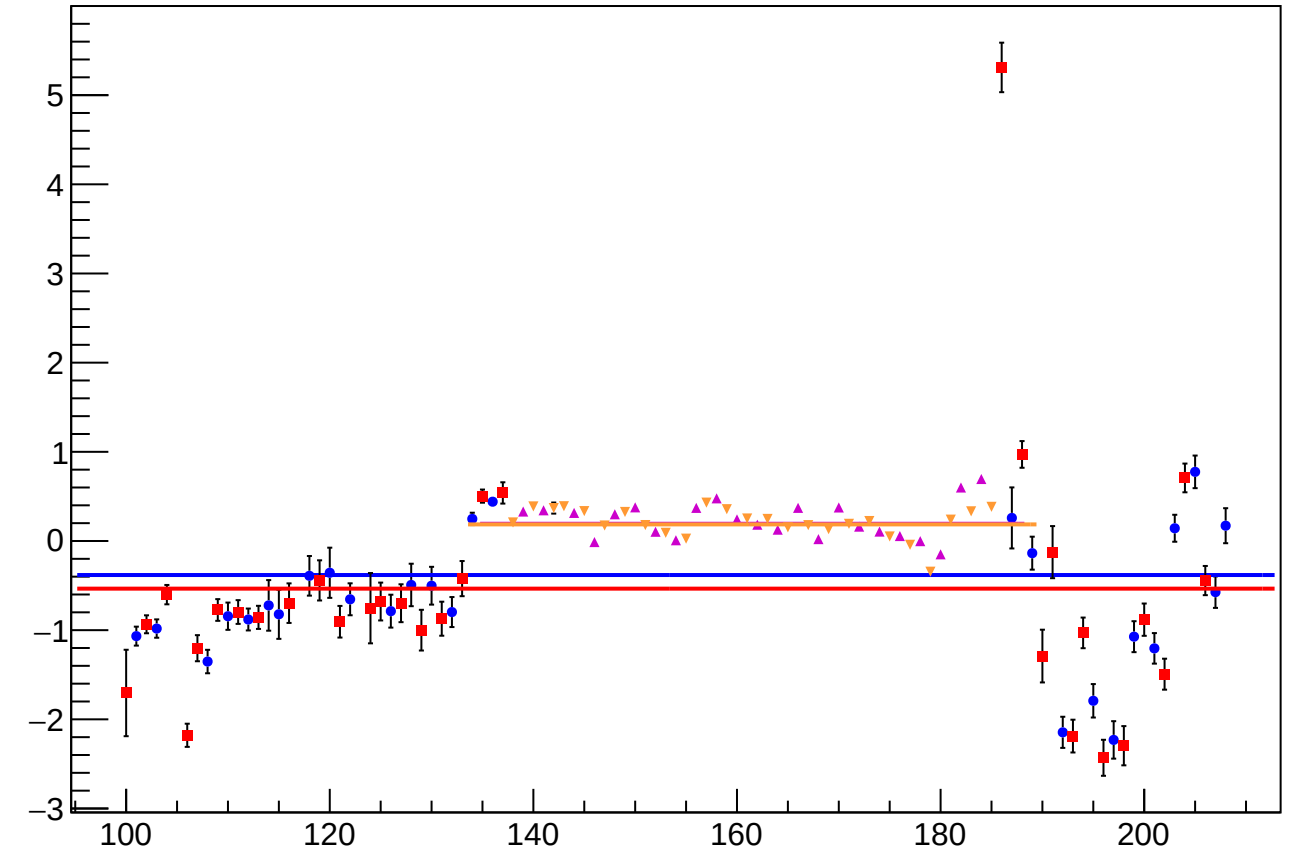
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.858+/-0.380 χ^2/NDF: 1110.4/57

In: 23.592+/-0.143 χ^2/NDF:2487.4/49

Out: 22.947+/-0.142 χ^2/NDF:2868.7/55

All: 23.267+/-0.101 χ^2/NDF: 5366.4/105



Right In: -0.382+/-0.027 χ^2/NDF: 809.0/26

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.534+/-0.028 χ^2/NDF: 1398.9/30

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

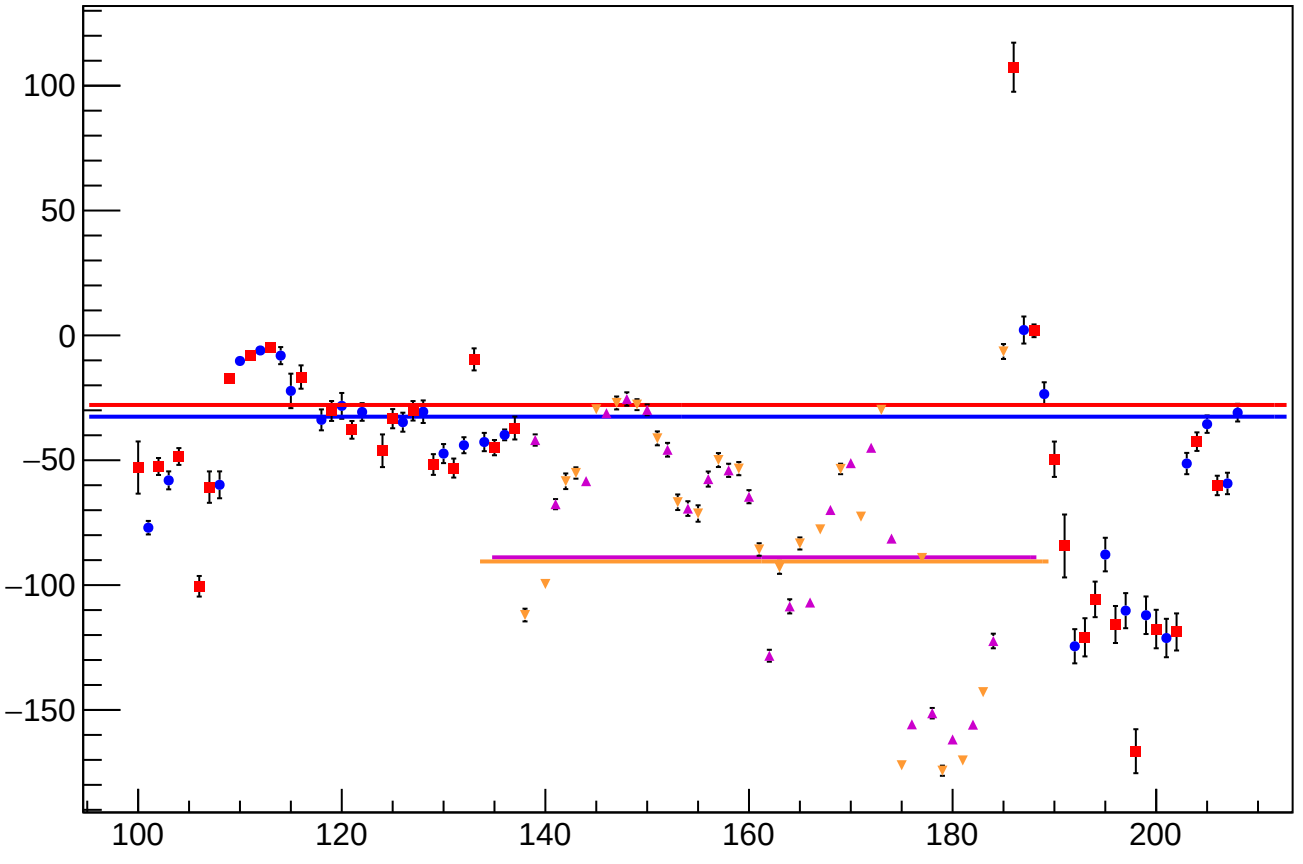
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.454+/-0.019 χ^2/NDF: 2223.3/57

In: 0.160+/-0.006 χ^2/NDF:2178.6/49

Out: 0.149+/-0.006 χ^2/NDF:2663.0/55

All: 0.154+/-0.005 χ^2/NDF: 4843.0/105



Right In: -32.555+/-0.654 χ^2/NDF: 1652.6/26

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.862+/-0.608 χ^2/NDF: 2395.6/30

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

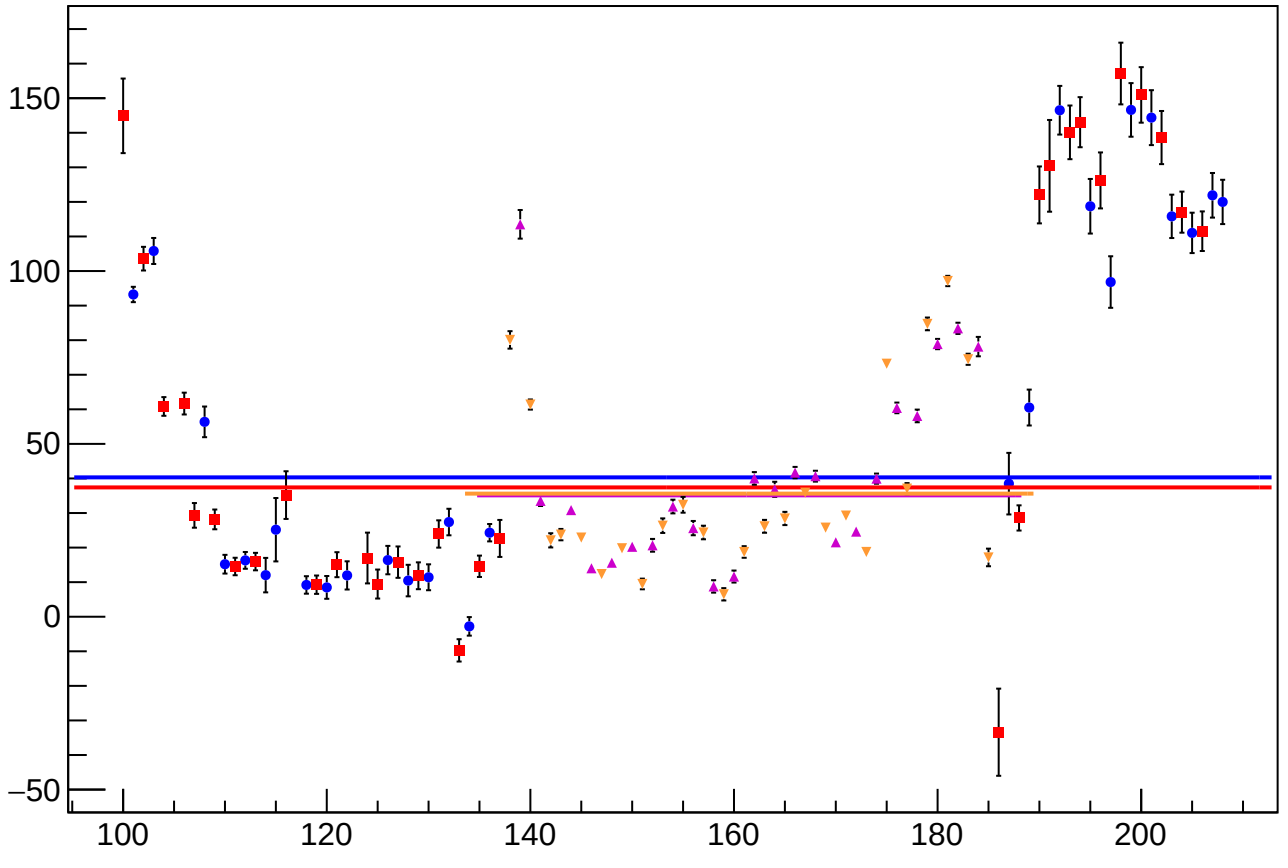
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.037+/-0.445 χ^2/NDF: 4075.8/57

In: -71.637+/-0.362 χ^2/NDF:18615.7/49

Out: -70.194+/-0.346 χ^2/NDF:24936.6/55

All: -70.884+/-0.250 χ^2/NDF: 43560.6/105



Right In: 40.313+/-0.751 χ^2/NDF: 3206.3/26

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 37.408+/-0.739 χ^2/NDF: 2932.7/30

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

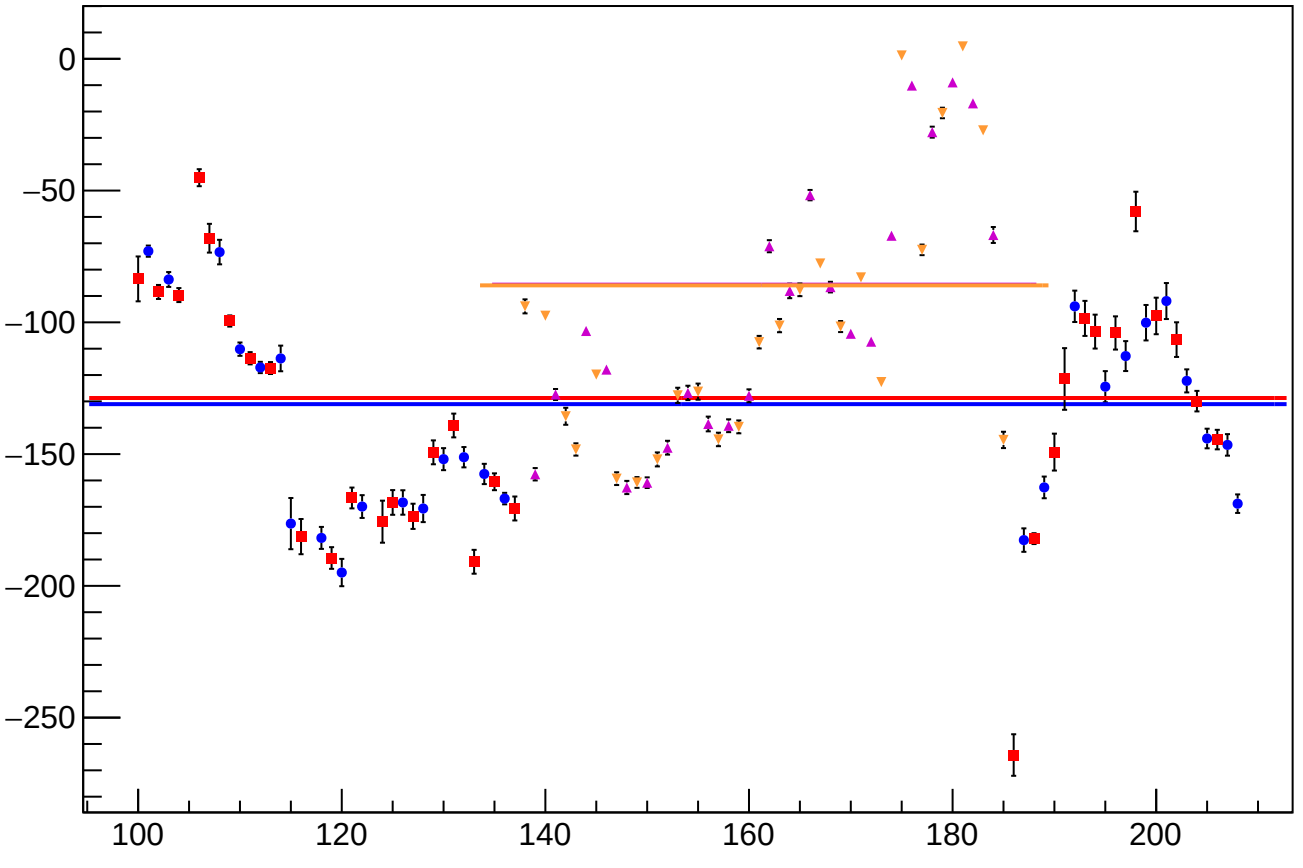
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 38.838+/-0.527 χ^2/NDF: 6146.6/57

In: 35.981+/-0.307 χ^2/NDF:7390.7/49

Out: 35.904+/-0.298 χ^2/NDF:8910.7/55

All: 35.942+/-0.214 χ^2/NDF: 16301.4/105



Right In: -131.044+/-0.714 χ^2/NDF: 2643.2/26

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.715+/-0.686 χ^2/NDF: 3652.5/30

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

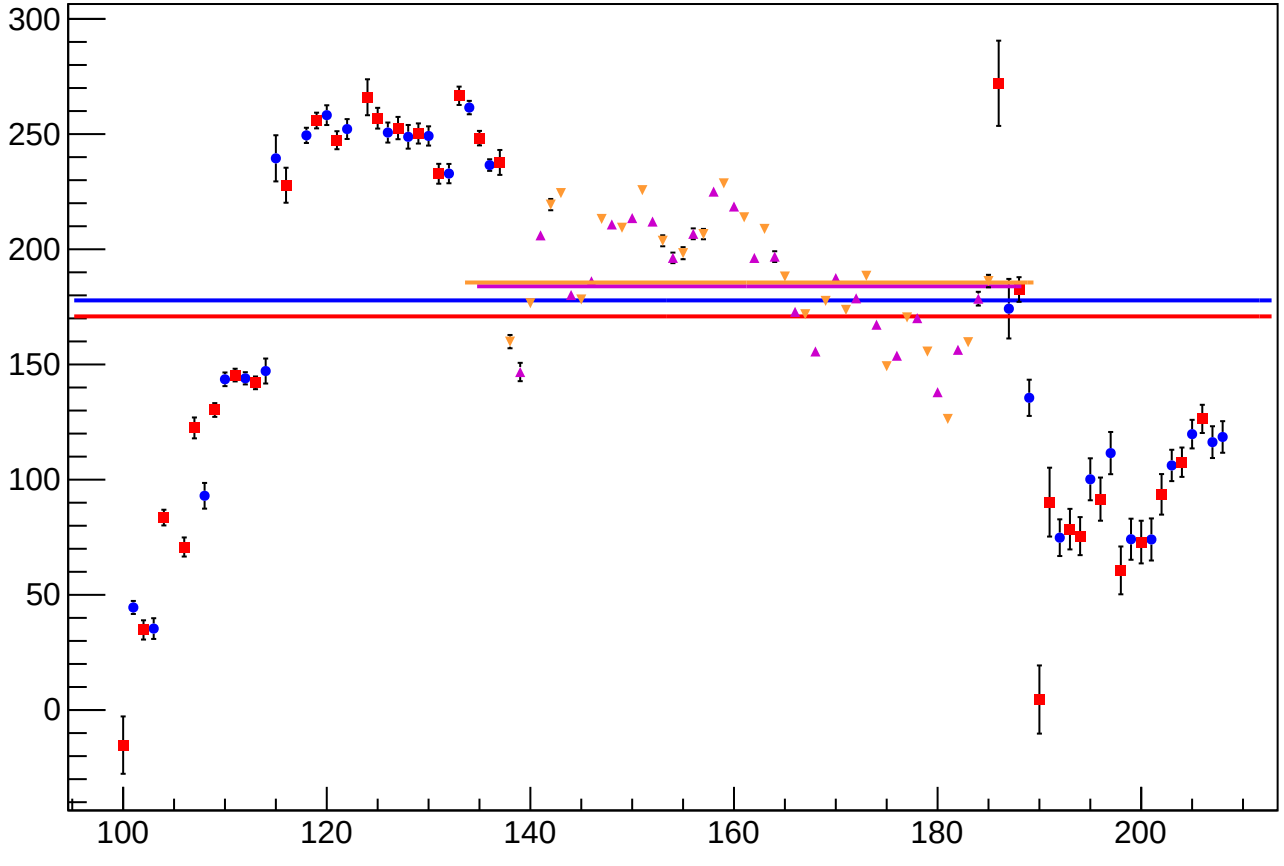
Right: -129.833+/-0.495 χ^2/NDF: 6301.3/57

In: -97.867+/-0.370 χ^2/NDF:19350.1/49

Out: -97.647+/-0.359 χ^2/NDF:22704.1/55

All: -97.754+/-0.258 χ^2/NDF: 42054.3/105

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 177.813+/-0.857 χ^2/NDF: 8182.6/26

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 170.870+/-0.850 χ^2/NDF: 7707.1/30

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

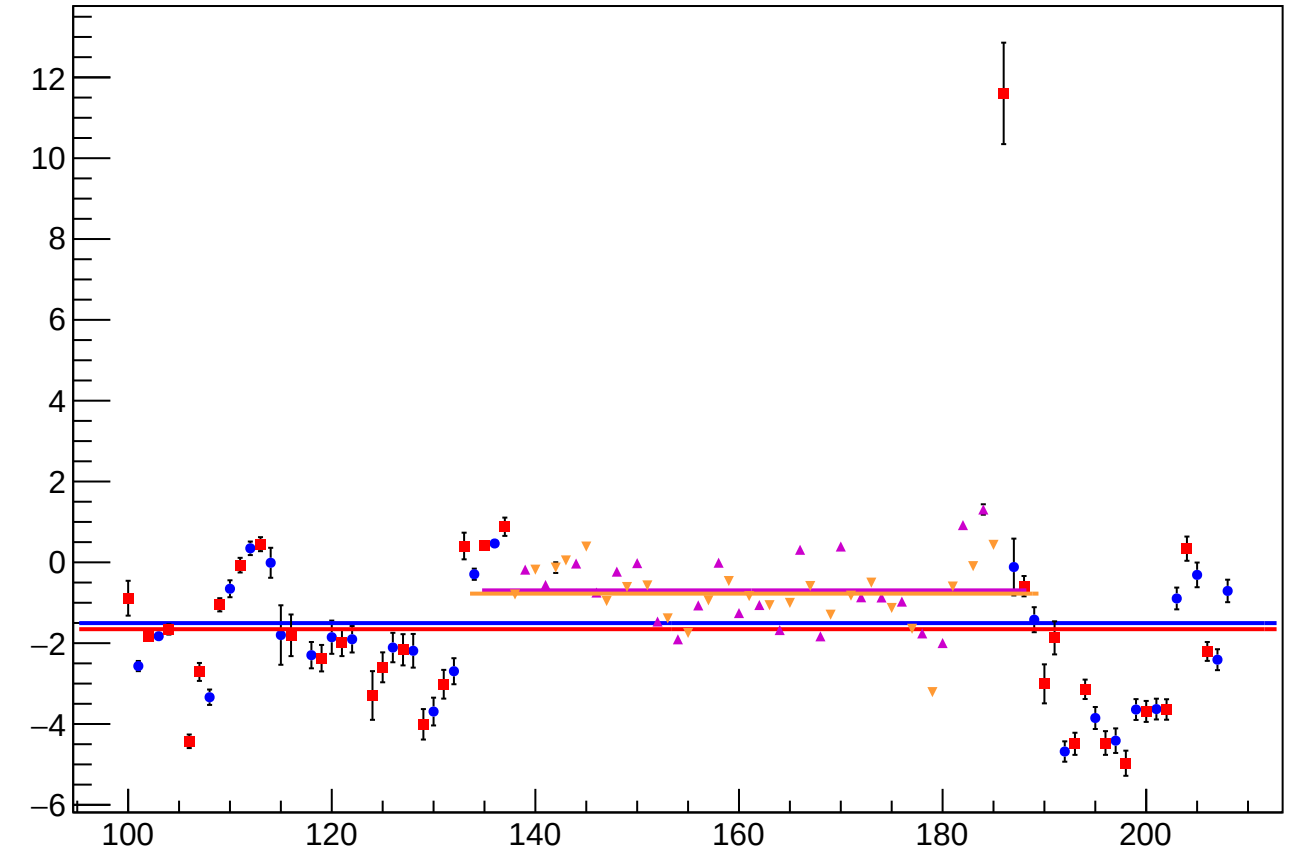
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 174.315+/-0.603 χ^2/NDF: 15922.8/57

In: 182.943+/-0.346 χ^2/NDF:12099.0/49

Out: 183.275+/-0.337 χ^2/NDF:13314.4/55

All: 183.113+/-0.241 χ^2/NDF: 25413.8/105



Right In: -1.503+/-0.042 χ^2/NDF: 1350.3/26

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.654+/-0.041 χ^2/NDF: 1719.1/30

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

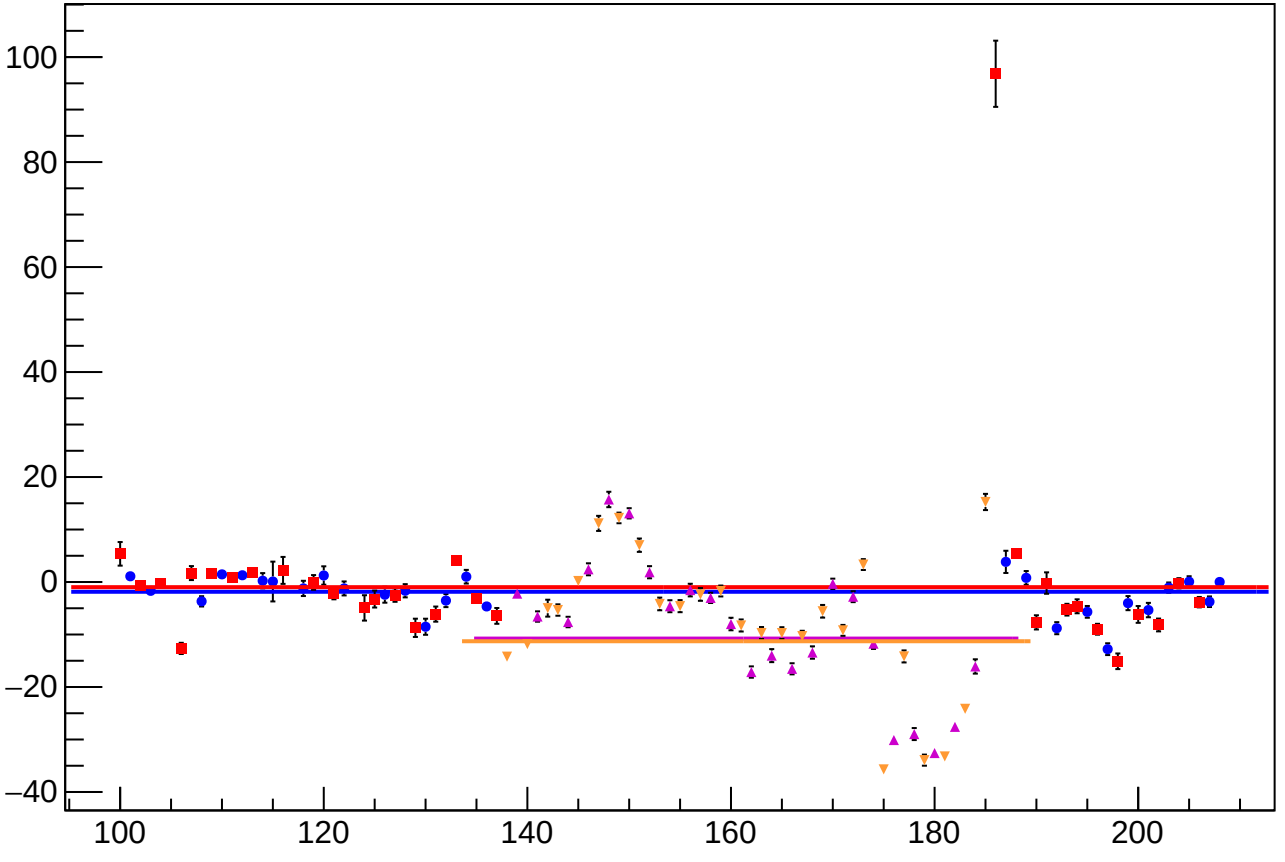
Right: -1.580+/-0.029 χ^2/NDF: 3076.0/57

In: -0.805+/-0.016 χ^2/NDF:4237.0/49

Out: -0.894+/-0.015 χ^2/NDF:3932.2/55

All: -0.851+/-0.011 χ^2/NDF: 8185.6/105

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.857+/-0.203 χ^2/NDF: 291.4/26

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.981+/-0.185 χ^2/NDF: 890.4/30

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

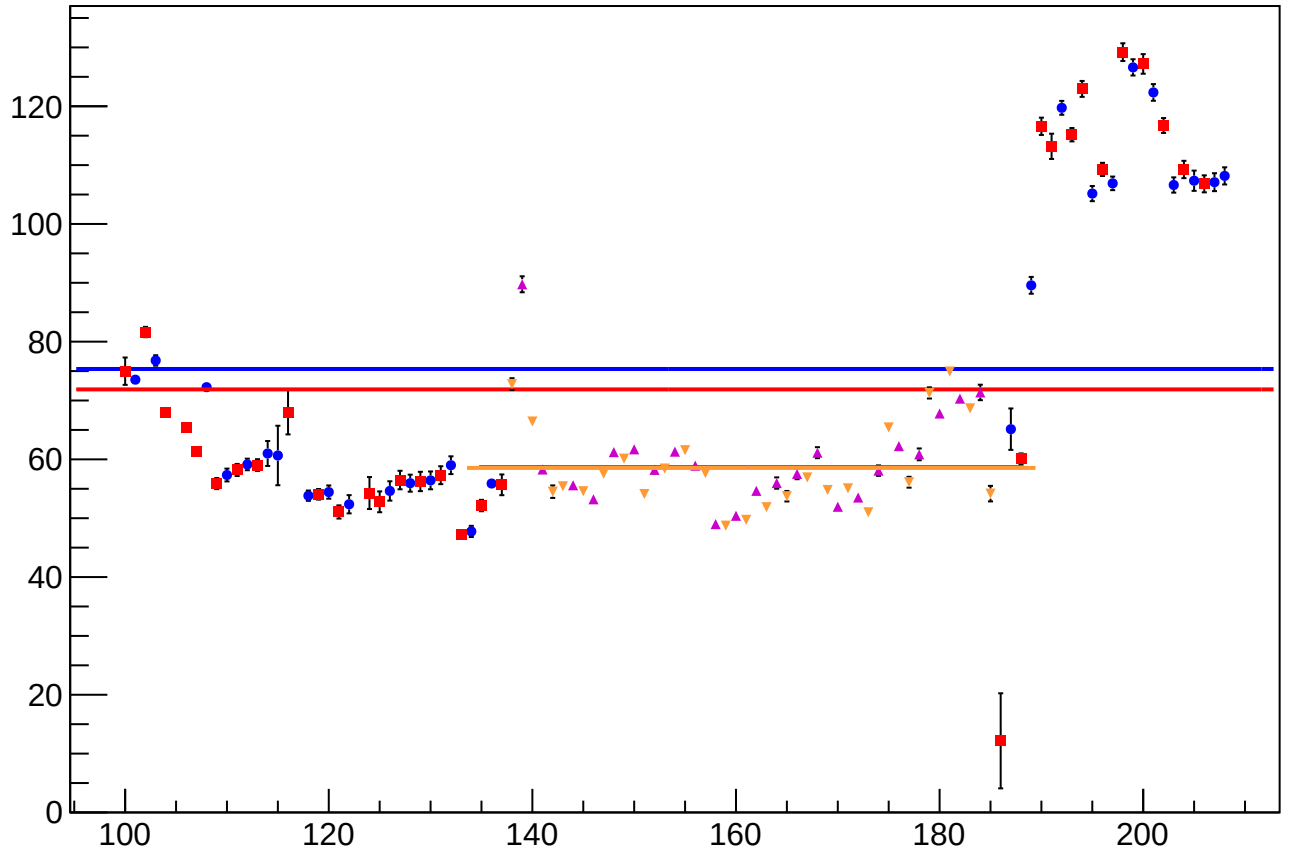
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.377+/-0.137 χ^2/NDF: 1192.0/57

In: -6.105+/-0.147 χ^2/NDF:4905.7/49

Out: -5.524+/-0.138 χ^2/NDF:6762.5/55

All: -5.796+/-0.101 χ^2/NDF: 11676.5/105



Right In: 75.356+/-0.225 χ^2/NDF: 10943.4/26

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.887+/-0.208 χ^2/NDF: 14651.1/30

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

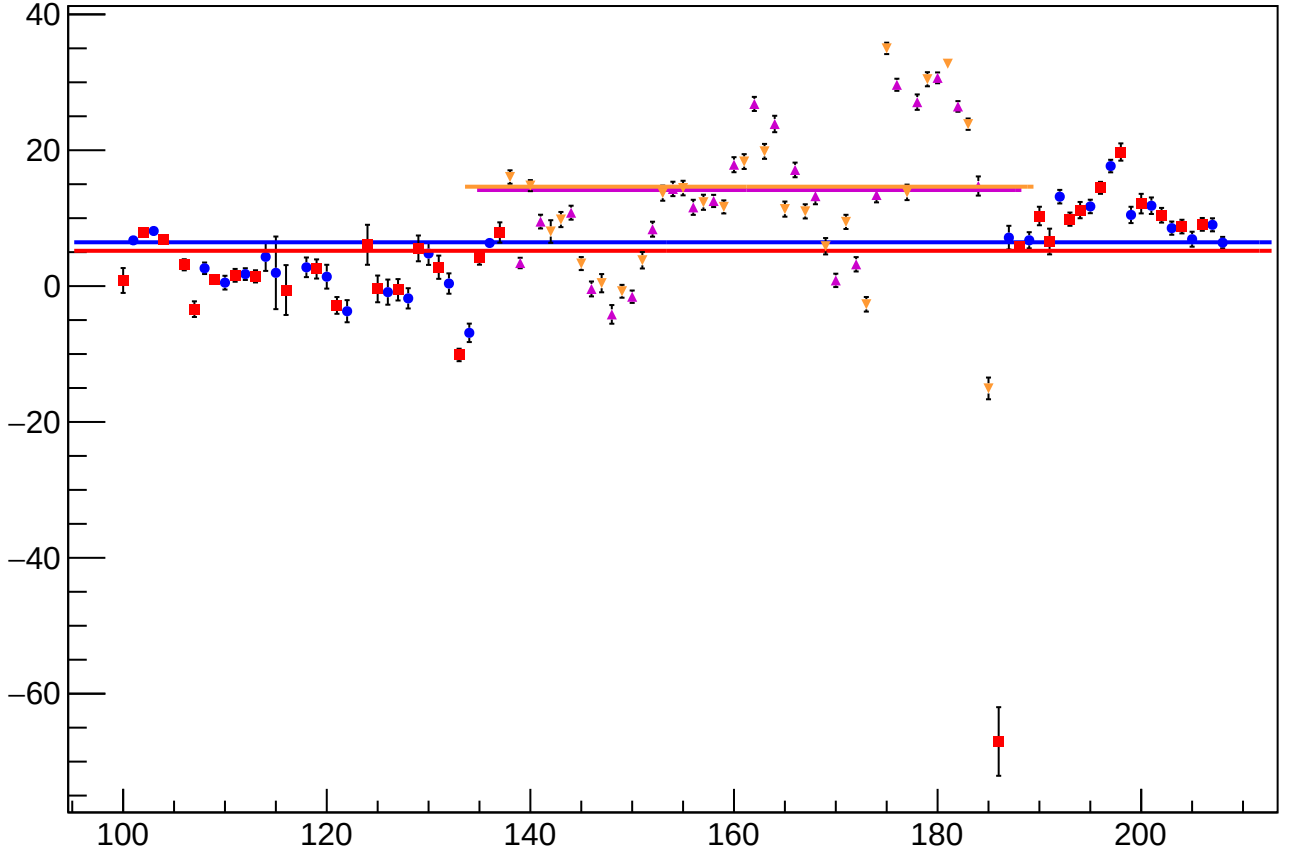
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 73.481+/-0.153 χ^2/NDF: 25722.6/57

In: 64.654+/-0.135 χ^2/NDF:16071.7/49

Out: 63.559+/-0.127 χ^2/NDF:19125.4/55

All: 64.075+/-0.093 χ^2/NDF: 35232.0/105



Right In: 6.452+/-0.203 χ^2/NDF: 569.5/26

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.196+/-0.188 χ^2/NDF: 1100.2/30

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

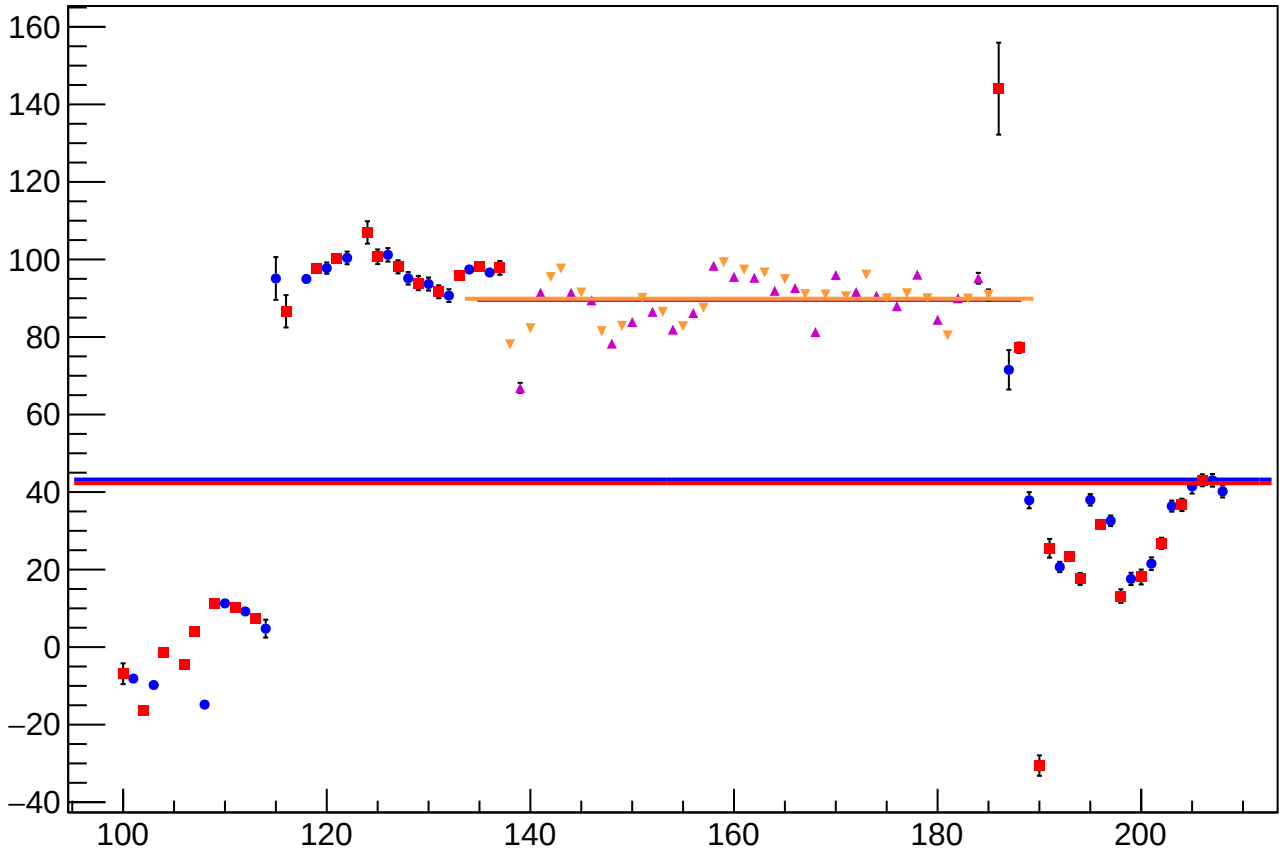
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 5.773+/-0.138 χ^2/NDF: 1690.2/57

In: 10.154+/-0.147 χ^2/NDF:3798.9/49

Out: 9.460+/-0.139 χ^2/NDF:5205.3/55

All: 9.788+/-0.101 χ^2/NDF: 9016.0/105



Right In: 43.227+/-0.261 χ^2/NDF: 27935.9/26

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.286+/-0.244 χ^2/NDF: 31737.3/30

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

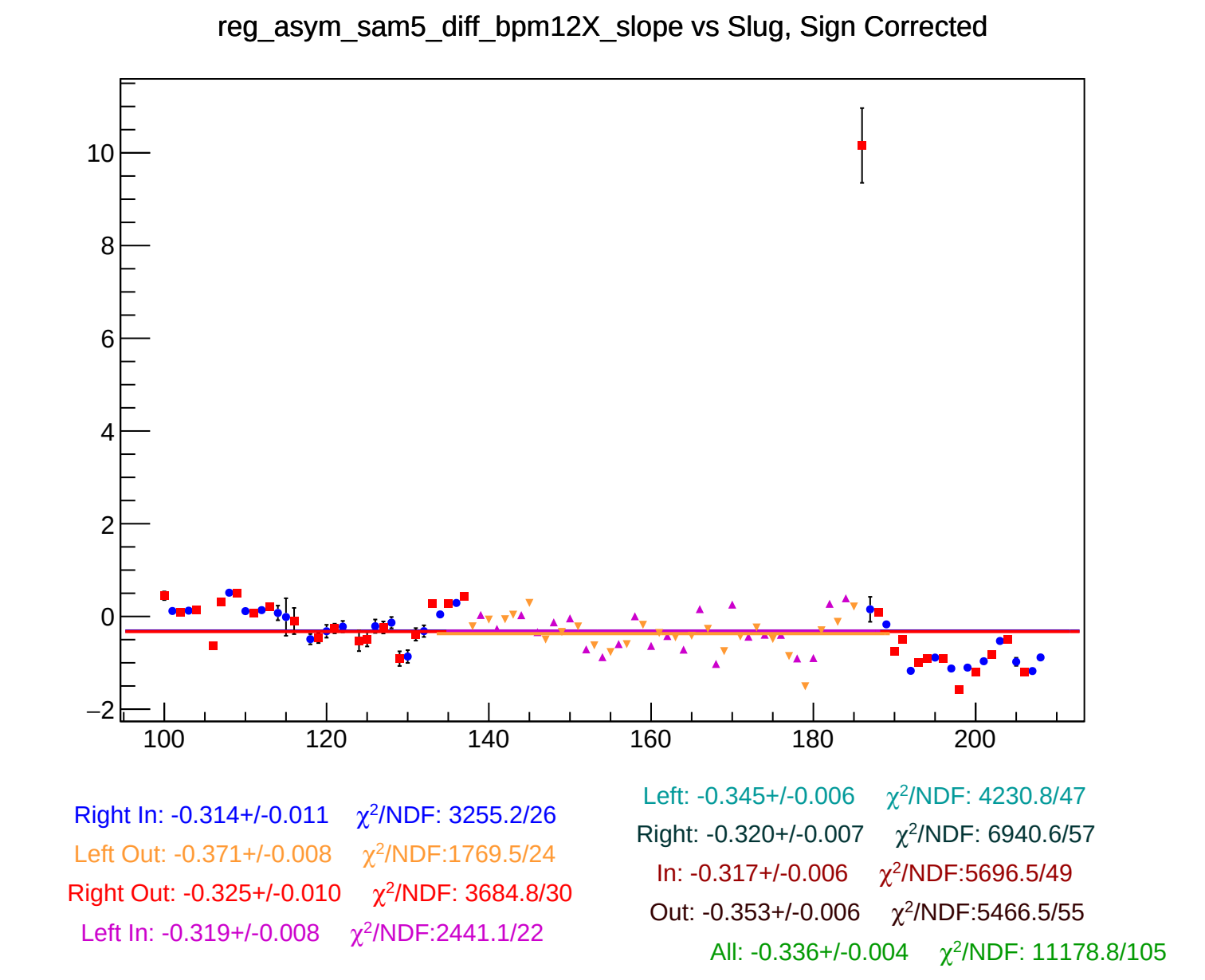
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

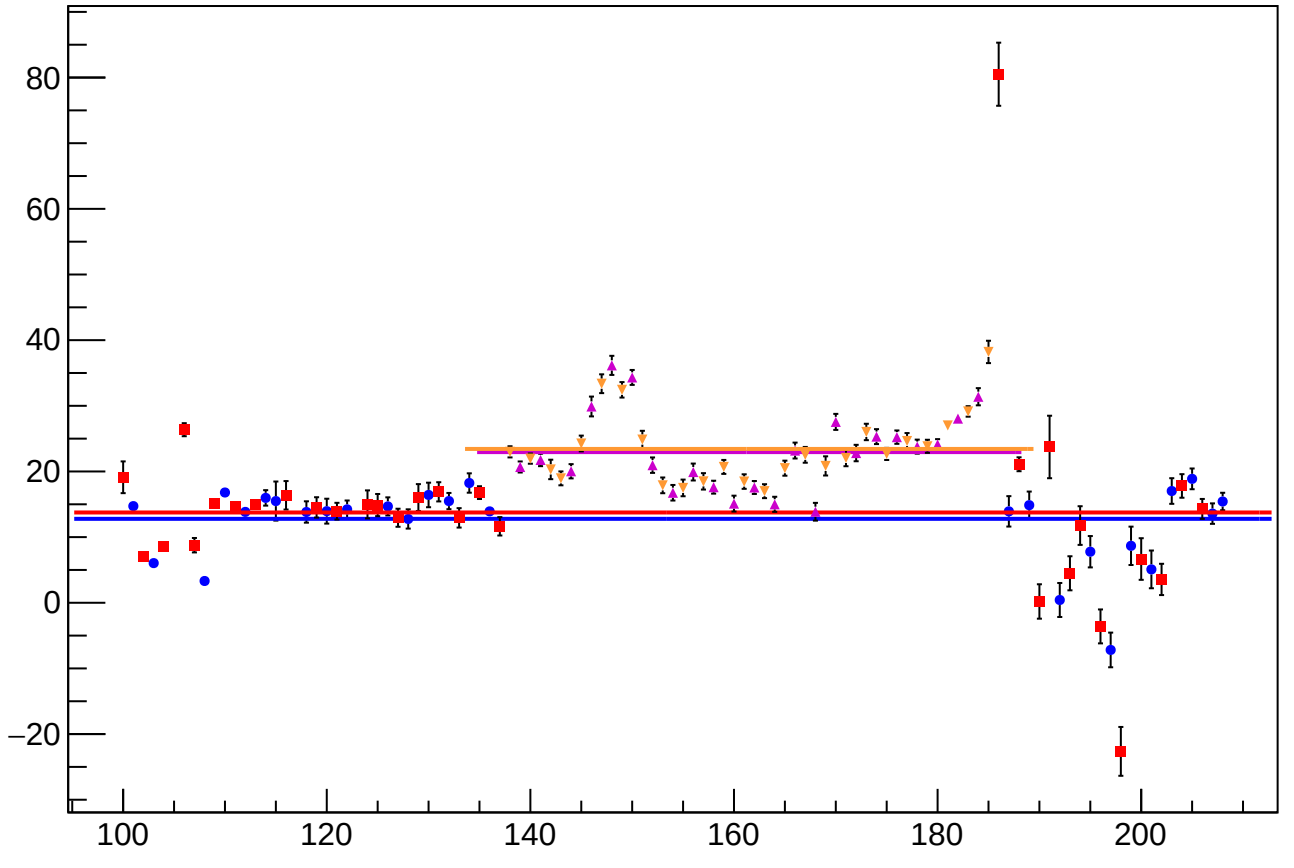
Right: 42.726+/-0.178 χ^2/NDF: 59680.1/57

In: 73.751+/-0.152 χ^2/NDF:49826.3/49

Out: 73.011+/-0.145 χ^2/NDF:57293.9/55

All: 73.364+/-0.105 χ^2/NDF: 107132.5/105


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.314+/-0.011 χ2/NDF: 3255.2/26
Left Out: -0.371+/-0.008 χ2/NDF:1769.5/24
Right Out: -0.325+/-0.010 χ2/NDF: 3684.8/30
Left In: -0.319+/-0.008 χ2/NDF:2441.1/22
Left: -0.345+/-0.006 χ2/NDF: 4230.8/47
Right: -0.320+/-0.007 χ2/NDF: 6940.6/57
In: -0.317+/-0.006 χ2/NDF:5696.5/49
Out: -0.353+/-0.006 χ2/NDF:5466.5/55
All: -0.336+/-0.004 χ2/NDF: 11178.8/105



Right In: 12.785+/-0.202 χ^2/NDF: 506.6/26

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.753+/-0.194 χ^2/NDF: 858.6/30

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

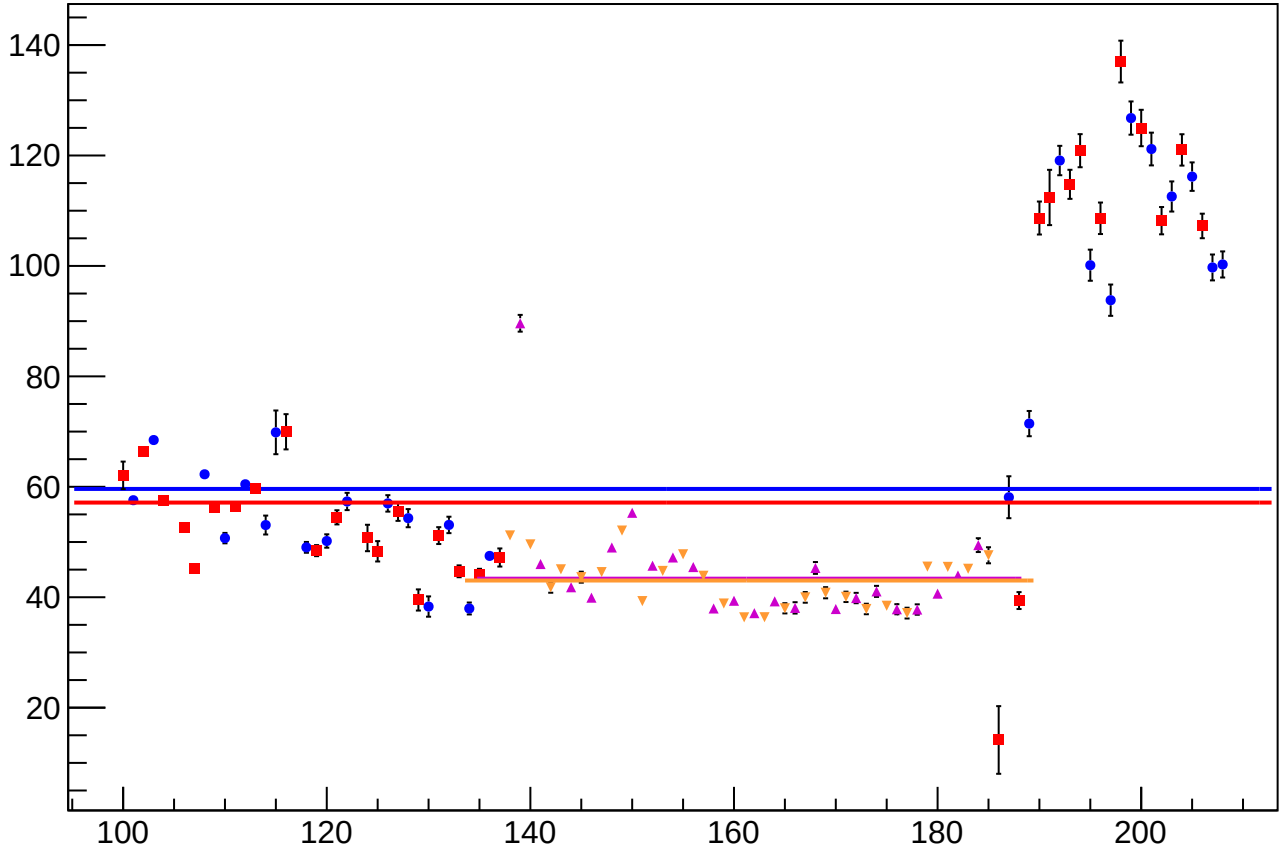
Right: 13.288+/-0.140 χ^2/NDF: 1377.2/57

In: 17.304+/-0.150 χ^2/NDF:2201.5/49

Out: 18.072+/-0.144 χ^2/NDF:2399.8/55

All: 17.704+/-0.104 χ^2/NDF: 4614.9/105

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 59.613+/-0.214 χ^2/NDF: 4546.9/26

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 57.144+/-0.216 χ^2/NDF: 5353.8/30

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

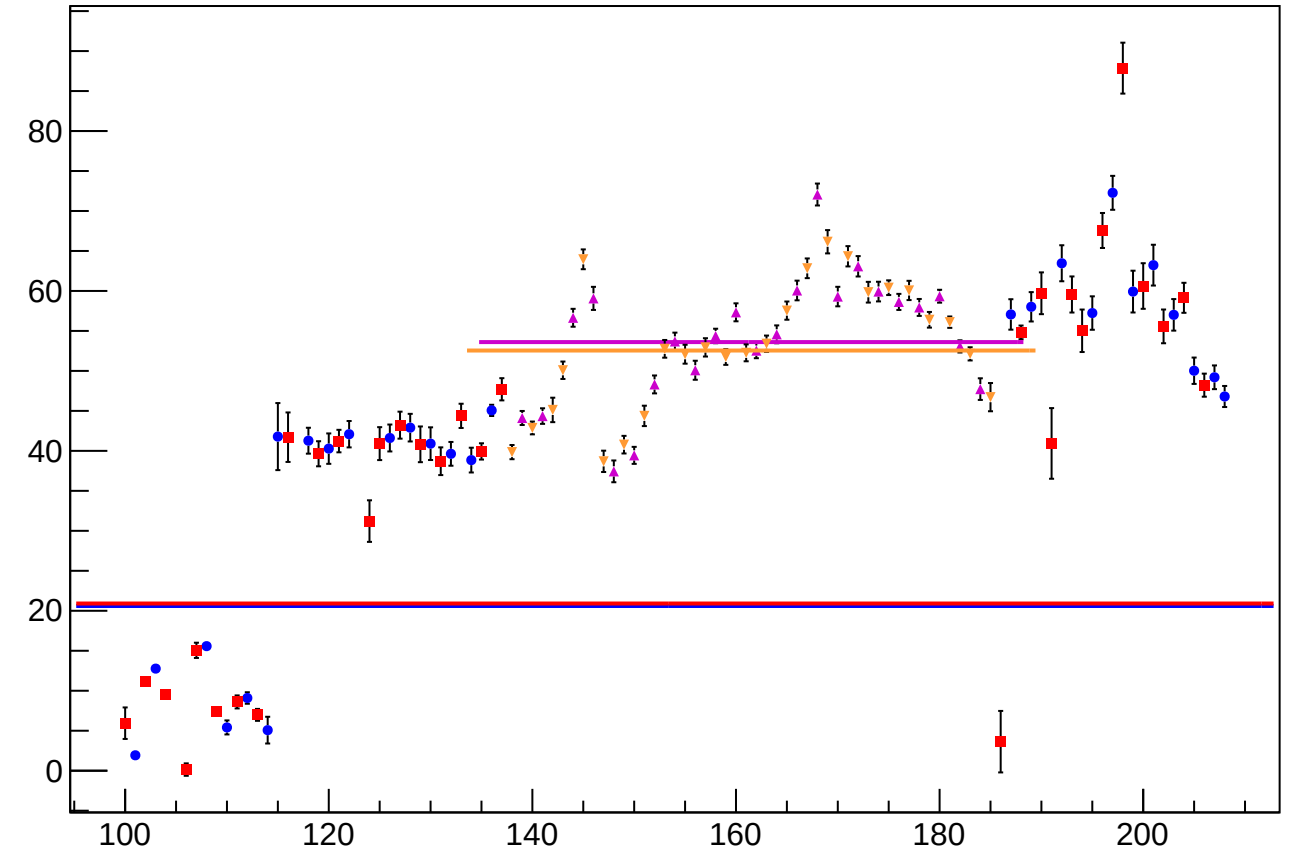
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 58.389+/-0.152 χ^2/NDF: 9966.7/57

In: 49.967+/-0.136 χ^2/NDF:9654.9/49

Out: 48.327+/-0.132 χ^2/NDF:8806.4/55

All: 49.121+/-0.095 χ^2/NDF: 18535.8/105



Right In: 20.601+/-0.200 χ^2/NDF: 9707.5/26

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.909+/-0.203 χ^2/NDF: 8962.6/30

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

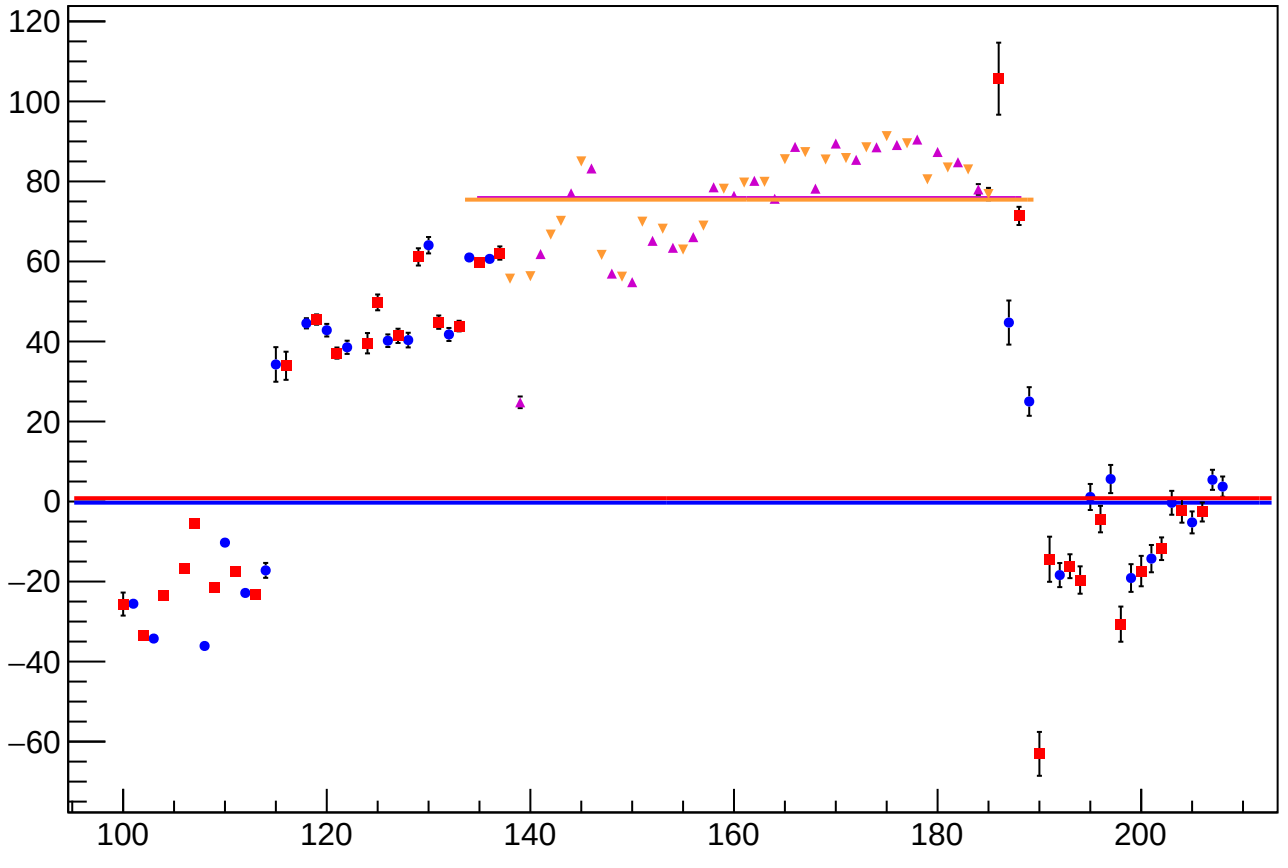
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 20.753+/-0.143 χ^2/NDF: 18671.3/57

In: 35.316+/-0.149 χ^2/NDF:22872.0/49

Out: 35.869+/-0.148 χ^2/NDF:21611.6/55

All: 35.595+/-0.105 χ^2/NDF: 44490.5/105



Right In: -0.284+/-0.252 χ^2/NDF: 21244.1/26

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.829+/-0.254 χ^2/NDF: 17440.6/30

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

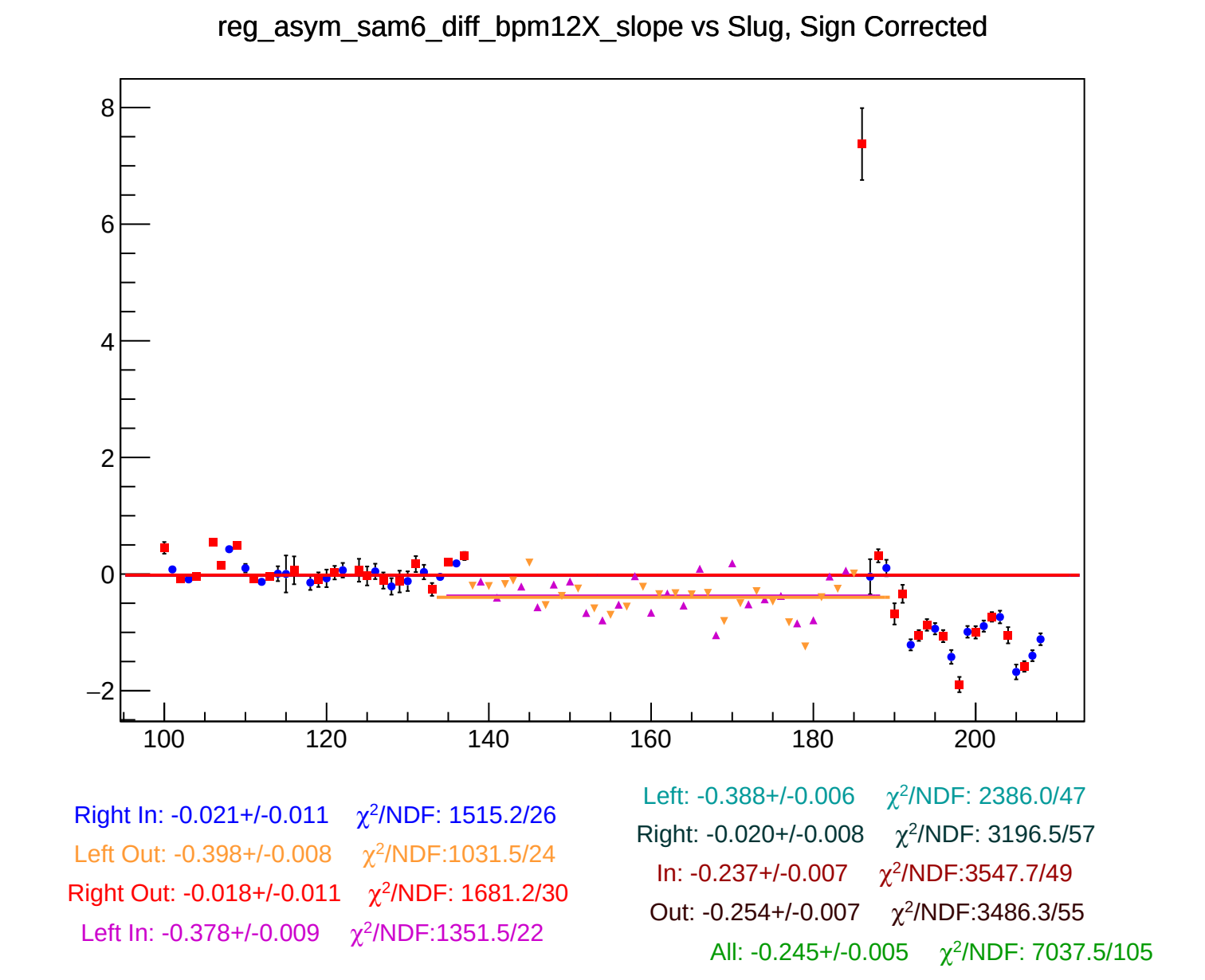
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

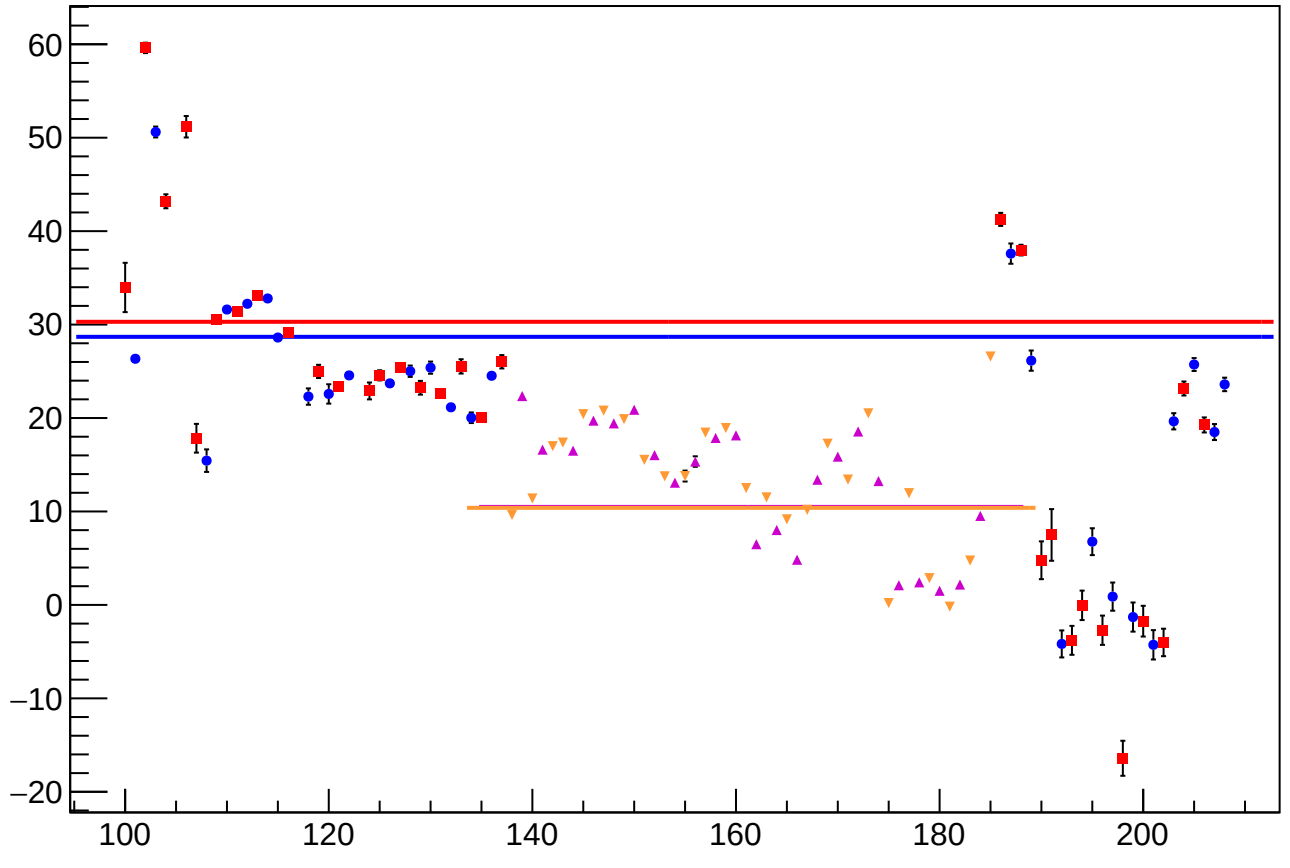
Right: 0.267+/-0.179 χ^2/NDF: 38694.3/57

In: 46.904+/-0.155 χ^2/NDF:82130.6/49

Out: 48.996+/-0.151 χ^2/NDF:76553.2/55

All: 47.977+/-0.108 χ^2/NDF: 158776.9/105


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.021+/-0.011 χ²/NDF: 1515.2/26
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.018+/-0.011 χ²/NDF: 1681.2/30
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.020+/-0.008 χ²/NDF: 3196.5/57
In: -0.237+/-0.007 χ²/NDF:3547.7/49
Out: -0.254+/-0.007 χ²/NDF:3486.3/55
All: -0.245+/-0.005 χ²/NDF: 7037.5/105



Right In: 28.690+/-0.088 χ^2/NDF: 5748.6/26

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.299+/-0.077 χ^2/NDF: 8890.9/30

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

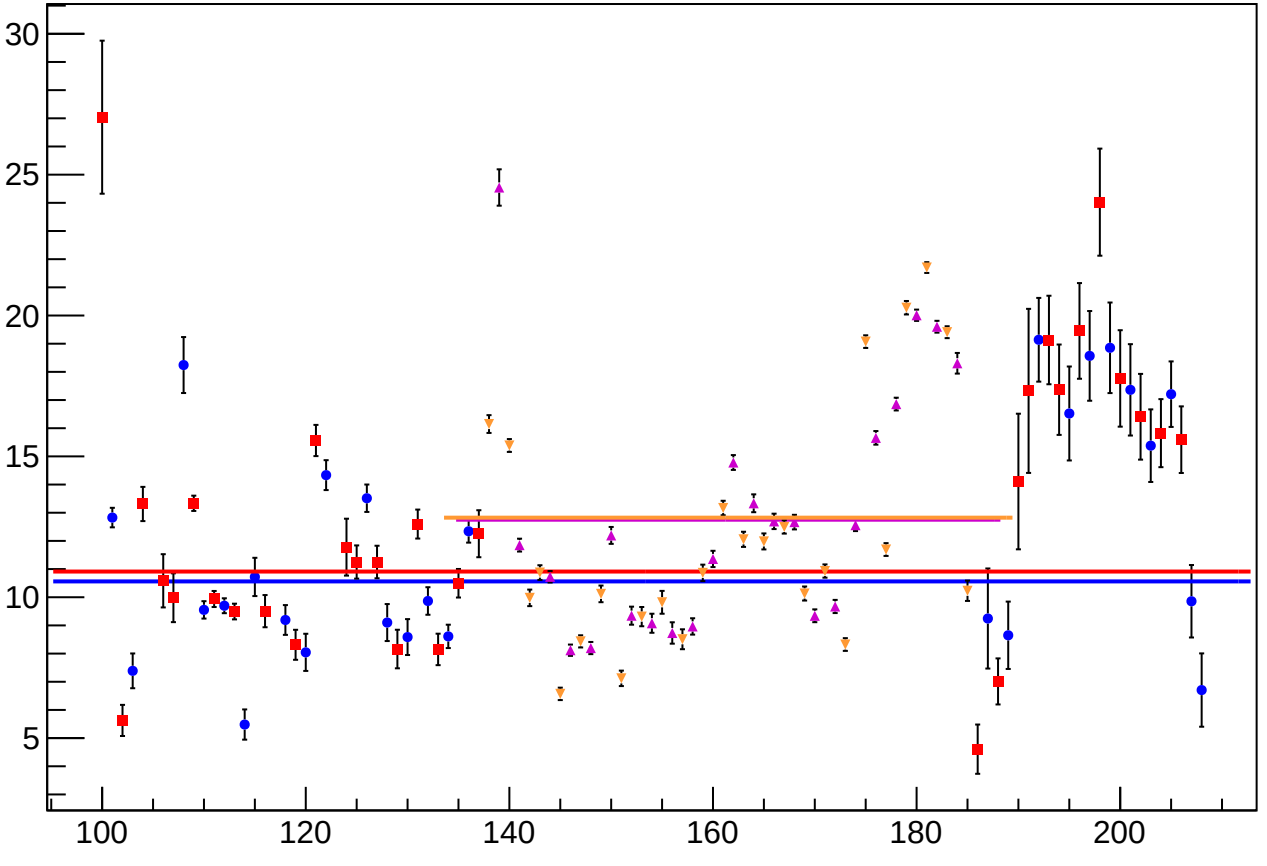
Right: 29.598+/-0.058 χ^2/NDF: 14827.5/57

In: 17.132+/-0.053 χ^2/NDF:44361.1/49

Out: 18.490+/-0.049 χ^2/NDF:61900.7/55

All: 17.862+/-0.036 χ^2/NDF: 106611.7/105

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.562+/-0.110 χ^2/NDF: 581.4/26

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.912+/-0.108 χ^2/NDF: 676.5/30

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

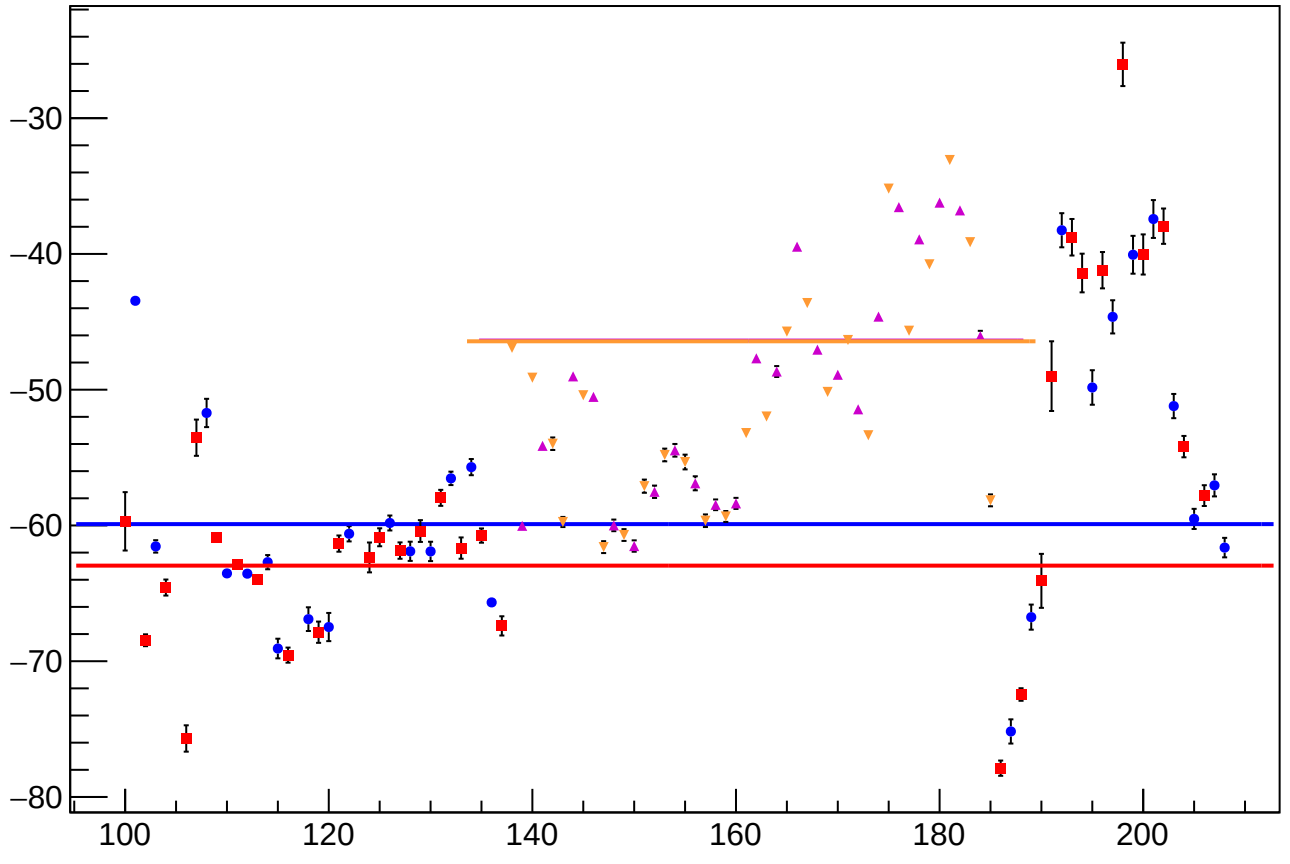
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.740+/-0.077 χ^2/NDF: 1263.0/57

In: 12.341+/-0.048 χ^2/NDF:6405.5/49

Out: 12.477+/-0.046 χ^2/NDF:8947.9/55

All: 12.411+/-0.033 χ^2/NDF: 15357.5/105



Right In: -59.902+/-0.105 χ^2/NDF: 5054.3/26

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.959+/-0.099 χ^2/NDF: 4131.0/30

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

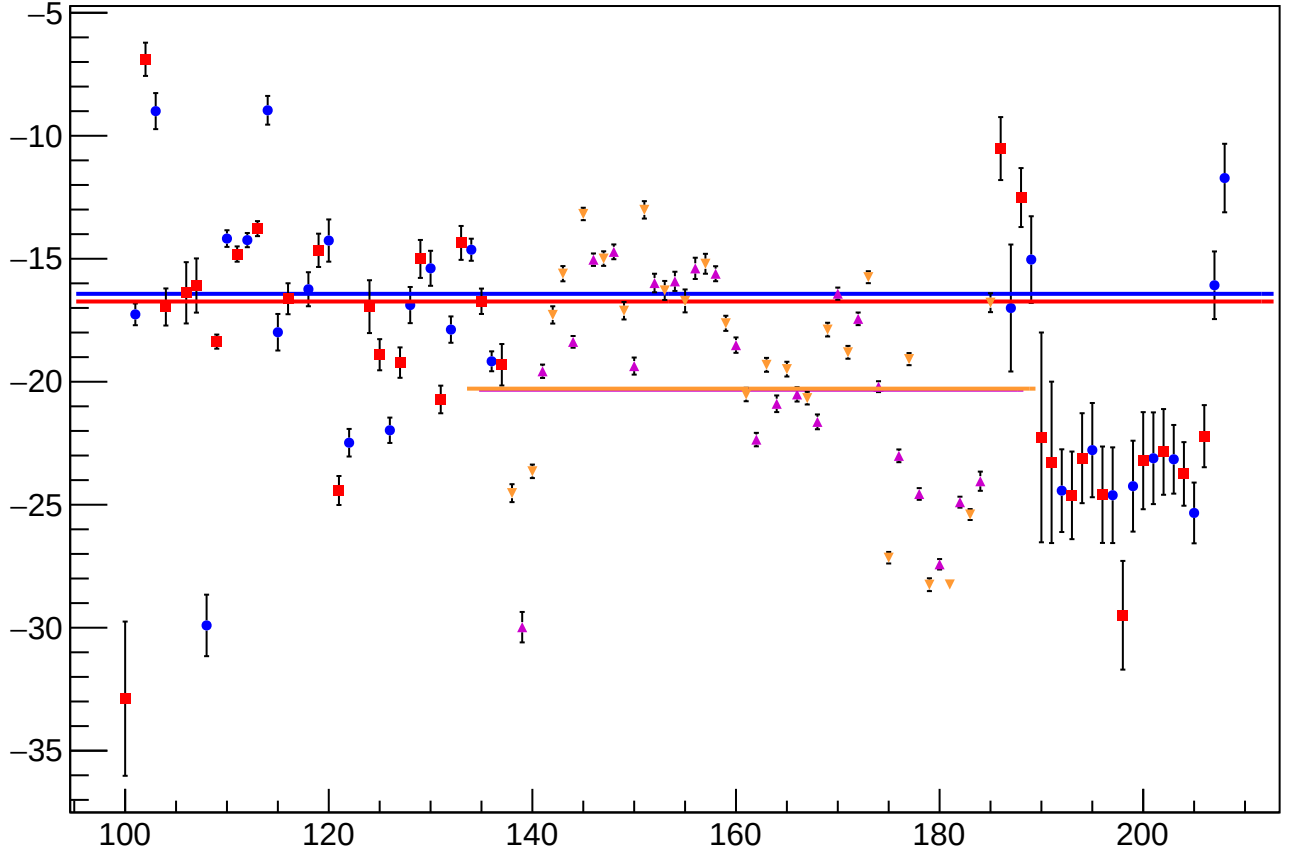
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.521+/-0.072 χ^2/NDF: 9632.0/57

In: -50.263+/-0.056 χ^2/NDF:31889.8/49

Out: -51.335+/-0.054 χ^2/NDF:41808.8/55

All: -50.822+/-0.039 χ^2/NDF: 73887.0/105



Right In: -16.426+/-0.123 χ^2/NDF: 971.4/26

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.738+/-0.121 χ^2/NDF: 882.0/30

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

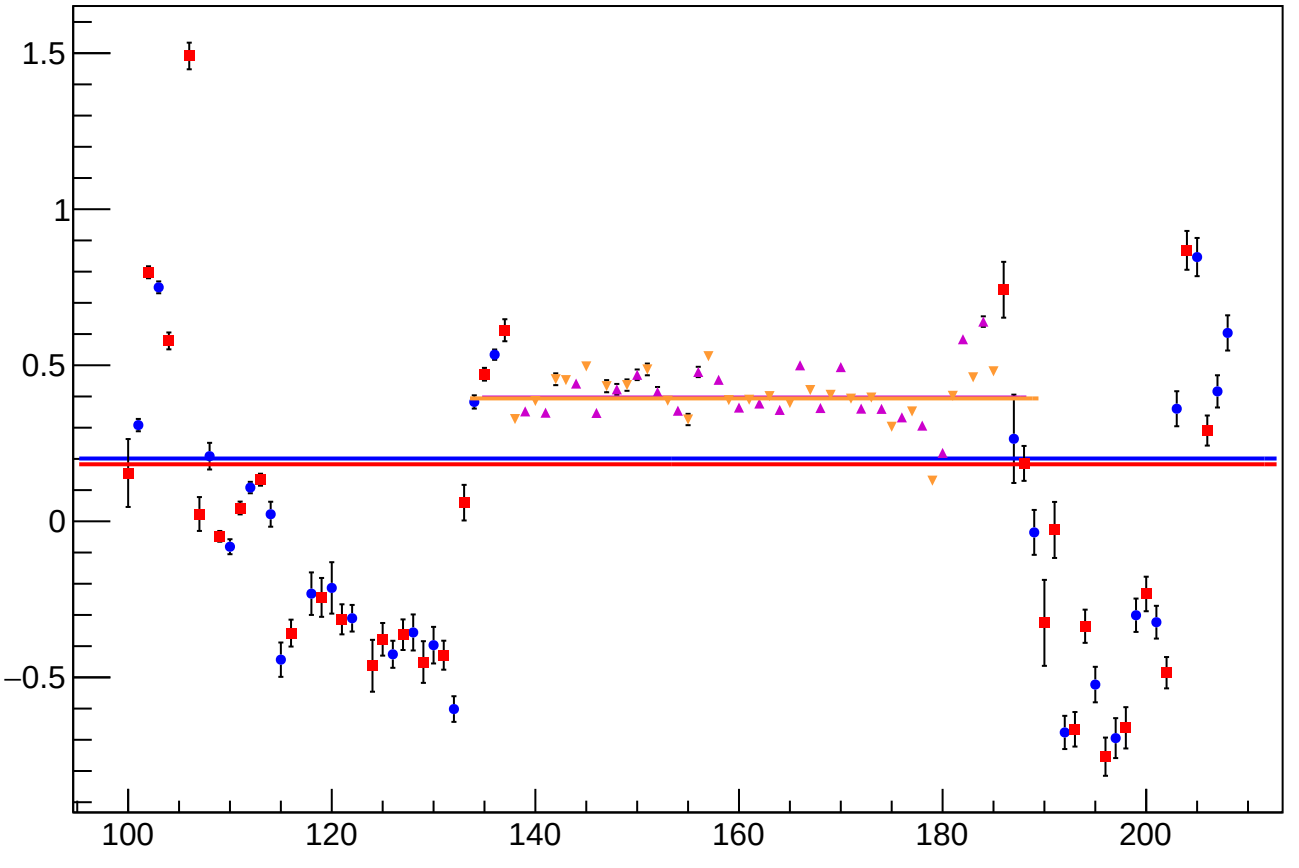
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.585+/-0.086 χ^2/NDF: 1856.7/57

In: -19.594+/-0.053 χ^2/NDF:6059.2/49

Out: -19.633+/-0.052 χ^2/NDF:8606.6/55

All: -19.614+/-0.037 χ^2/NDF: 14666.0/105



Right In: 0.201+/-0.007 χ^2/NDF: 3676.4/26

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.183+/-0.007 χ^2/NDF: 4797.1/30

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

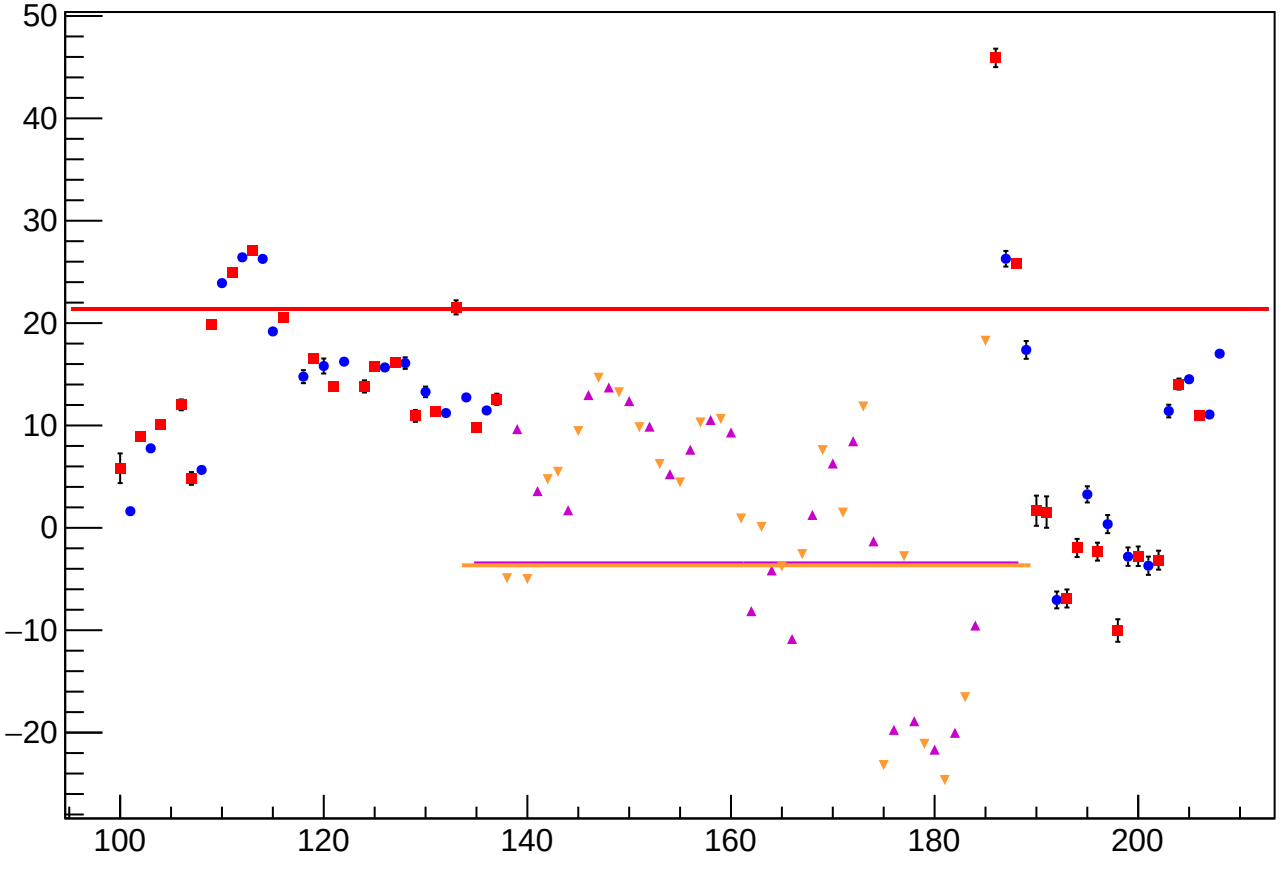
Right: 0.192+/-0.005 χ^2/NDF: 8477.5/57

In: 0.370+/-0.002 χ^2/NDF:5735.2/49

Out: 0.366+/-0.002 χ^2/NDF:6637.2/55

All: 0.368+/-0.002 χ^2/NDF: 12373.5/105

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 21.379+/-0.054 χ^2/NDF: 17690.8/26

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.375+/-0.045 χ^2/NDF: 17446.8/30

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

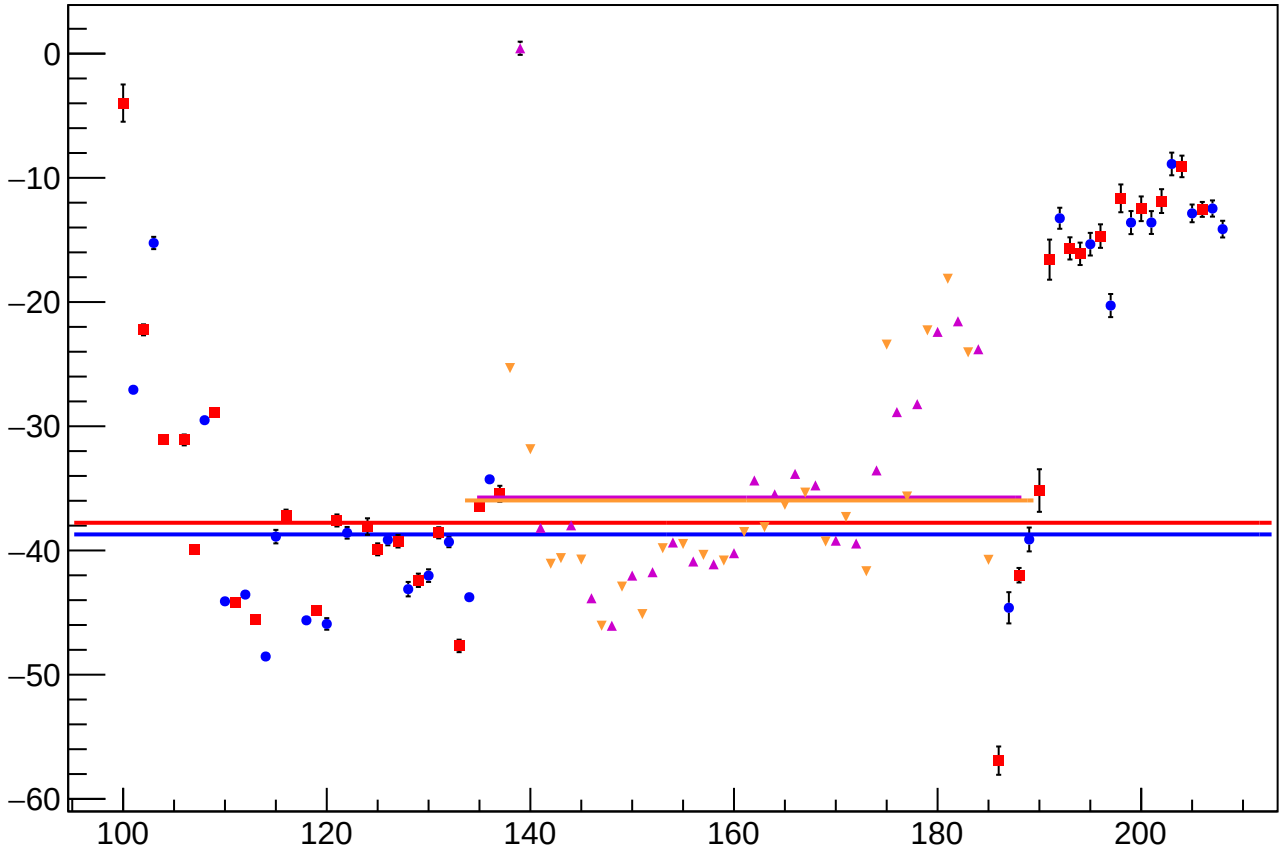
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.377+/-0.035 χ^2/NDF: 35137.6/57

In: 9.710+/-0.039 χ^2/NDF:162207.1/49

Out: 11.202+/-0.035 χ^2/NDF:199282.3/55

All: 10.548+/-0.026 χ^2/NDF: 362297.2/105



Right In: -38.707+/-0.073 χ^2/NDF: 17250.1/26

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.770+/-0.068 χ^2/NDF: 17474.1/30

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

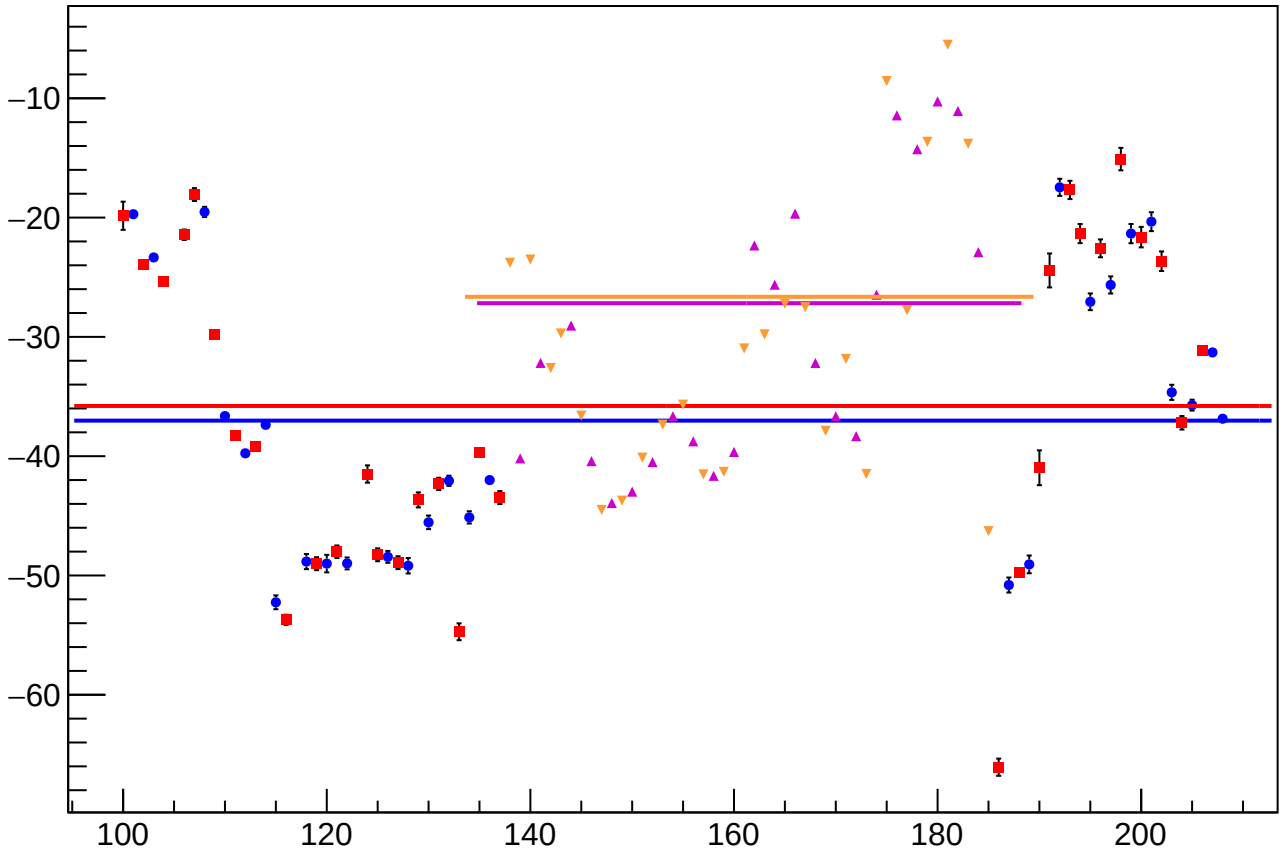
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -38.207+/-0.050 χ^2/NDF: 34811.5/57

In: -36.550+/-0.038 χ^2/NDF:45599.8/49

Out: -36.471+/-0.036 χ^2/NDF:51580.8/55

All: -36.508+/-0.026 χ^2/NDF: 97182.8/105



Right In: -37.020+/-0.068 χ^2/NDF: 13908.9/26

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.791+/-0.061 χ^2/NDF: 19213.9/30

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

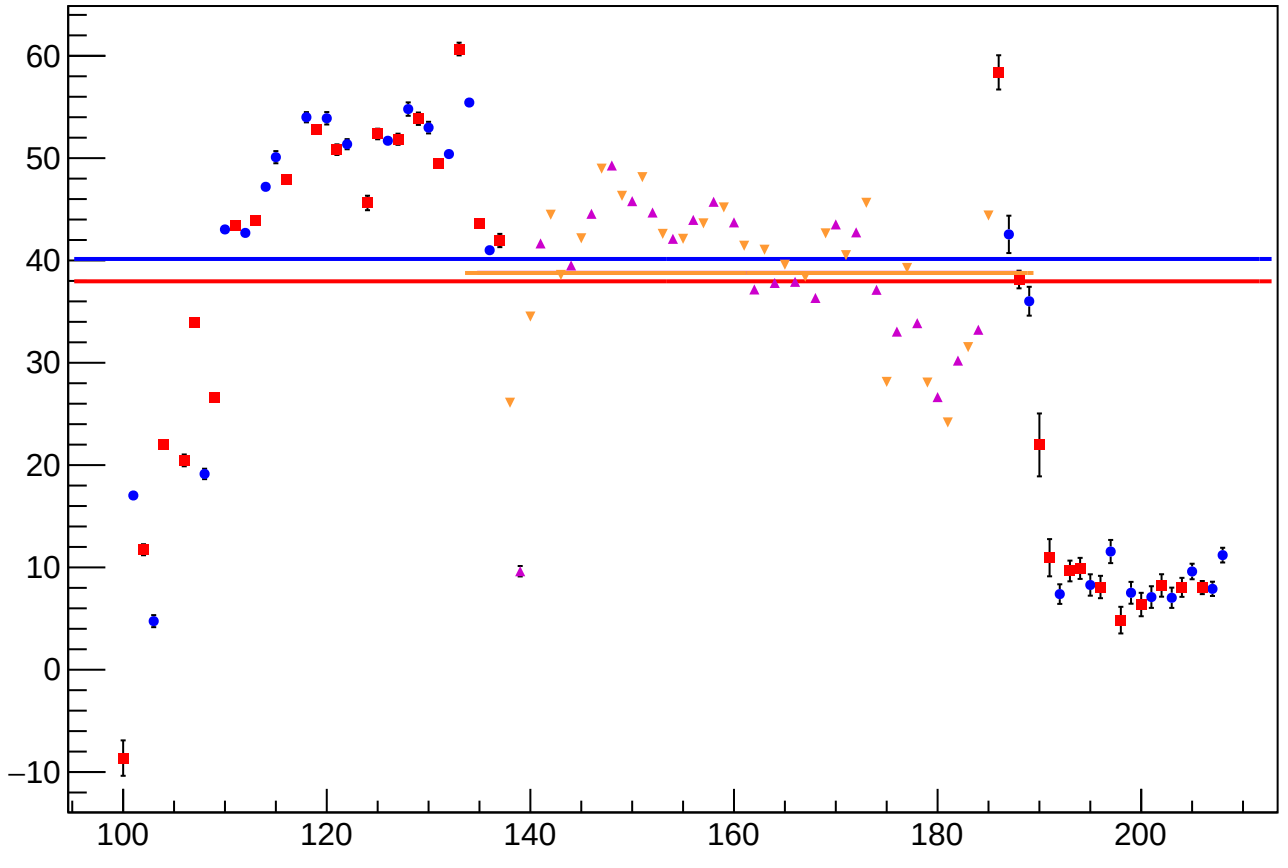
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.336+/-0.045 χ^2/NDF: 33305.6/57

In: -31.272+/-0.044 χ^2/NDF:67212.6/49

Out: -30.740+/-0.041 χ^2/NDF:81860.7/55

All: -30.986+/-0.030 χ^2/NDF: 149153.1/105



Right In: 40.145+/-0.082 χ^2/NDF: 26828.0/26

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.961+/-0.076 χ^2/NDF: 26409.5/30

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

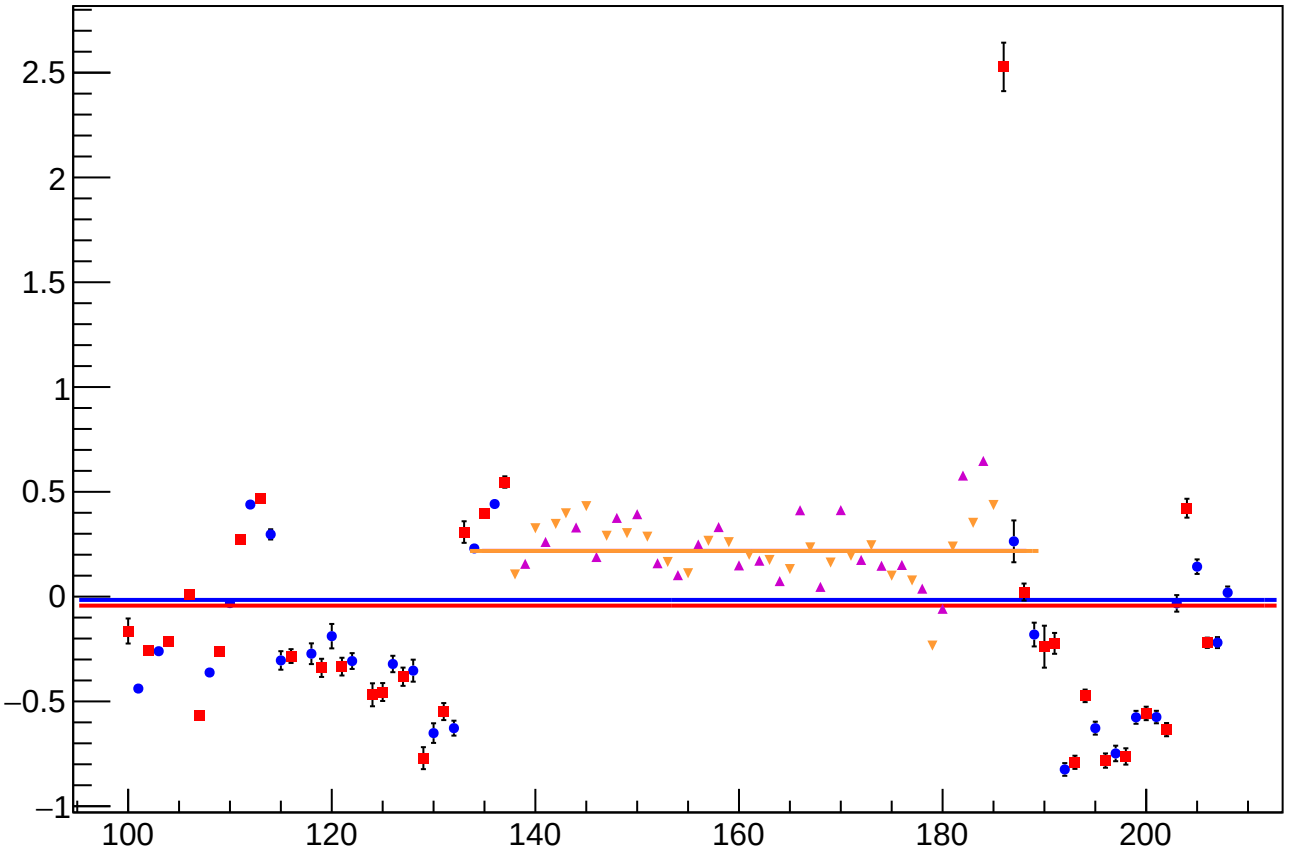
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 38.973+/-0.056 χ^2/NDF: 53622.5/57

In: 39.163+/-0.043 χ^2/NDF:43268.6/49

Out: 38.546+/-0.040 χ^2/NDF:47563.2/55

All: 38.837+/-0.029 χ^2/NDF: 90942.1/105



Right In: -0.016+/-0.004 χ^2/NDF: 8046.8/26

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.043+/-0.004 χ^2/NDF: 9487.5/30

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

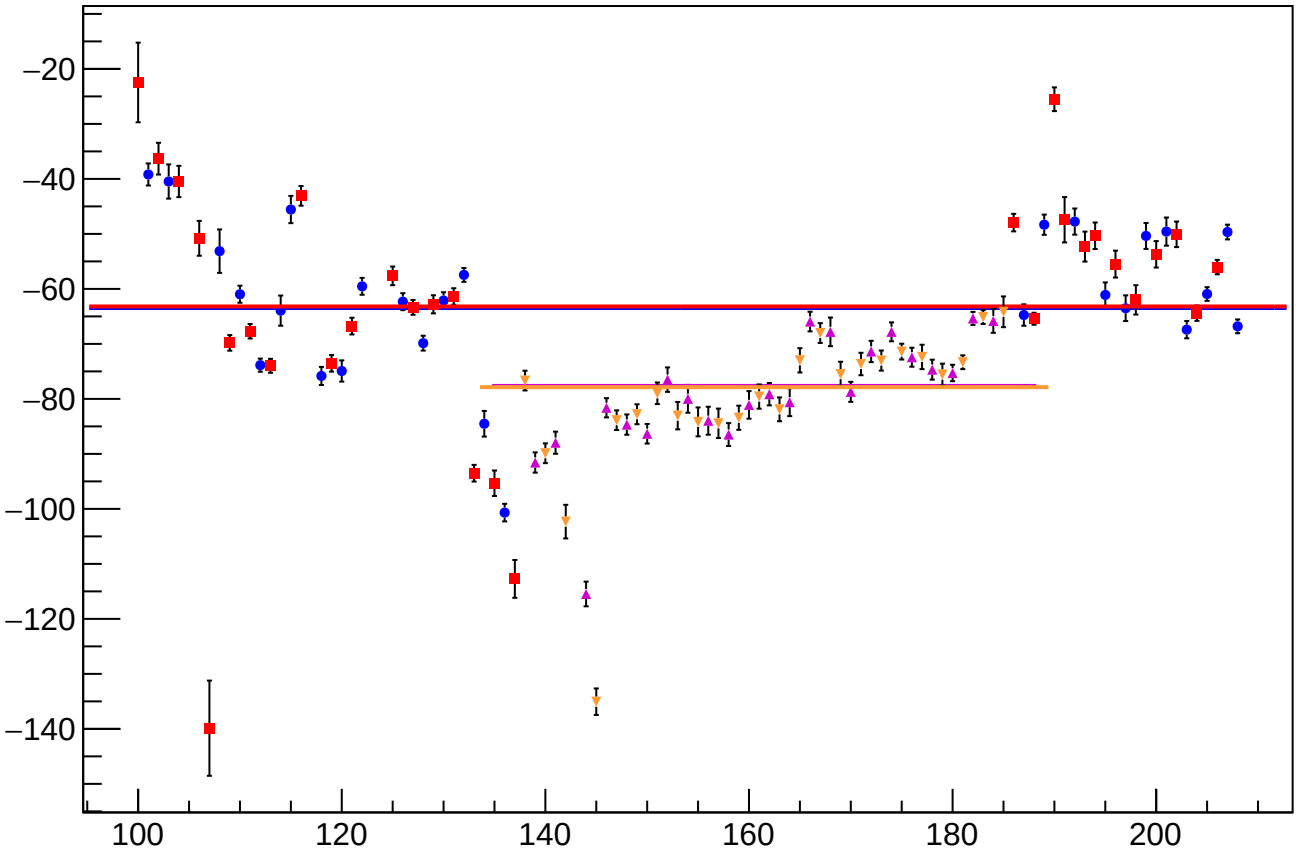
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.030+/-0.003 χ^2/NDF: 17555.1/57

In: 0.170+/-0.002 χ^2/NDF:15629.5/49

Out: 0.161+/-0.002 χ^2/NDF:16798.2/55

All: 0.165+/-0.001 χ^2/NDF: 32439.5/105



Right In: -63.477+/-0.330 χ^2/NDF: 1404.7/26

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.196+/-0.329 χ^2/NDF: 1921.6/29

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

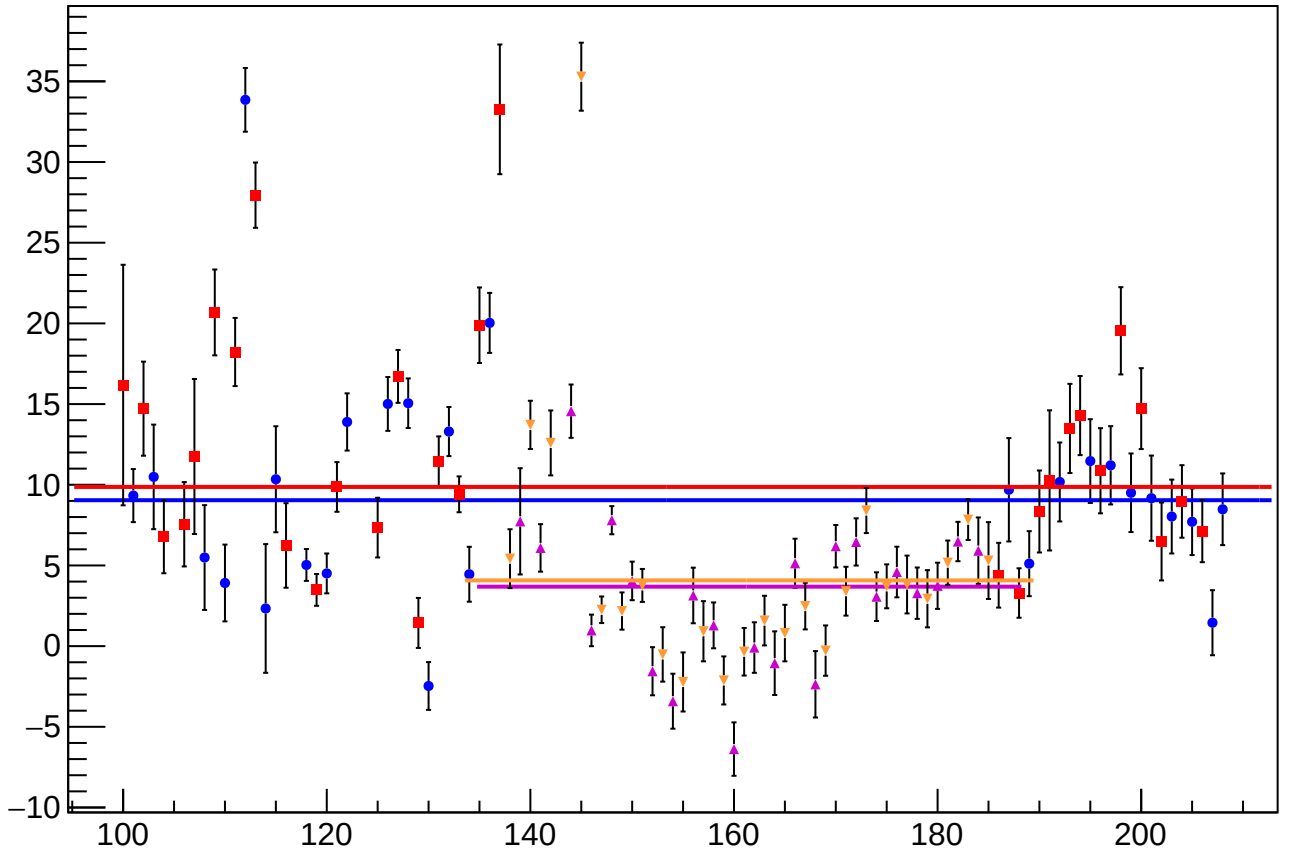
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -63.336+/-0.233 χ^2/NDF: 3326.7/56

In: -69.270+/-0.254 χ^2/NDF:2852.7/49

Out: -69.214+/-0.252 χ^2/NDF:3671.3/53

All: -69.242+/-0.179 χ^2/NDF: 6524.1/103



Right In: 9.043+/-0.366 χ^2/NDF: 363.6/26

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.865+/-0.364 χ^2/NDF: 316.5/29

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

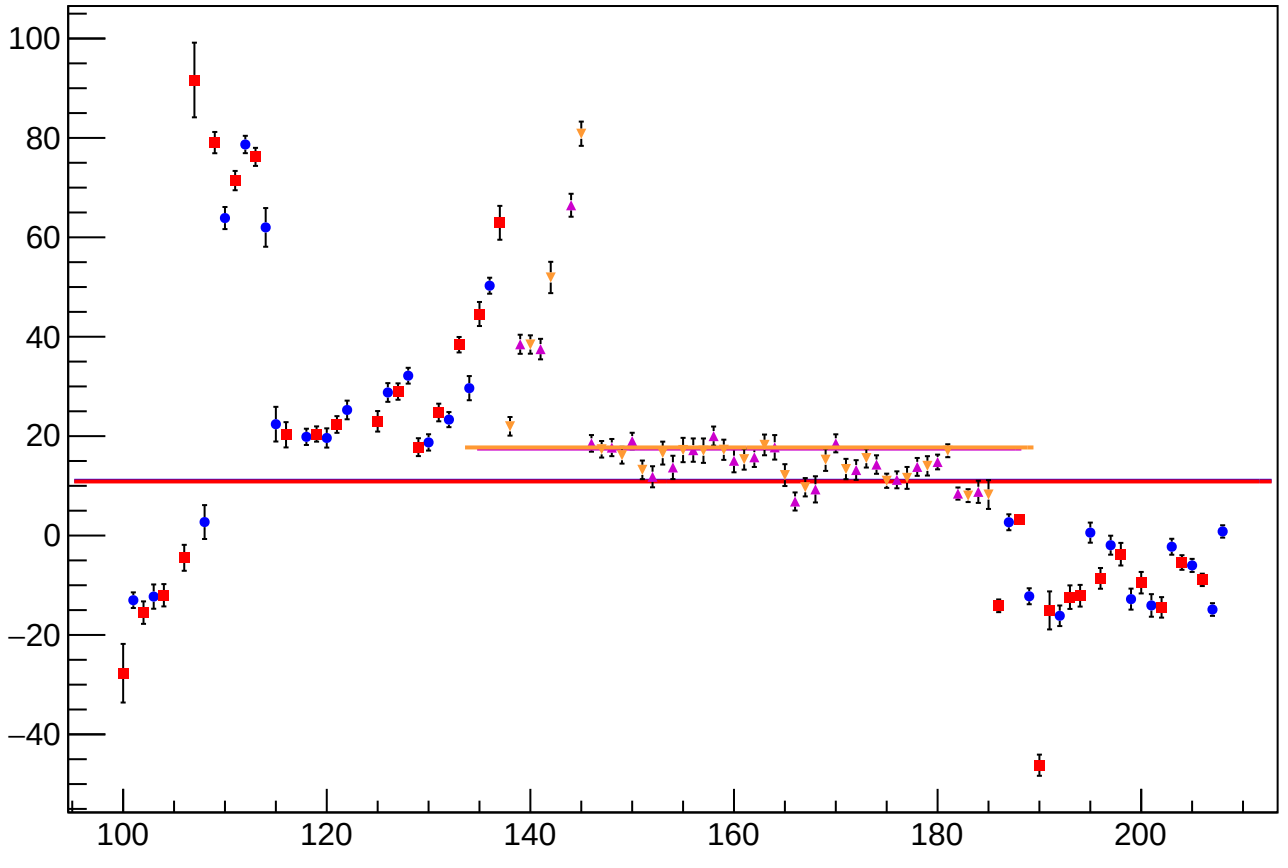
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.456+/-0.258 χ^2/NDF: 682.7/56

In: 5.854+/-0.233 χ^2/NDF:673.9/49

Out: 6.382+/-0.230 χ^2/NDF:839.0/53

All: 6.121+/-0.164 χ^2/NDF: 1515.5/103



Right In: 11.017+/-0.344 χ^2/NDF: 5137.4/26

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 10.884+/-0.338 χ^2/NDF: 6953.9/29

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

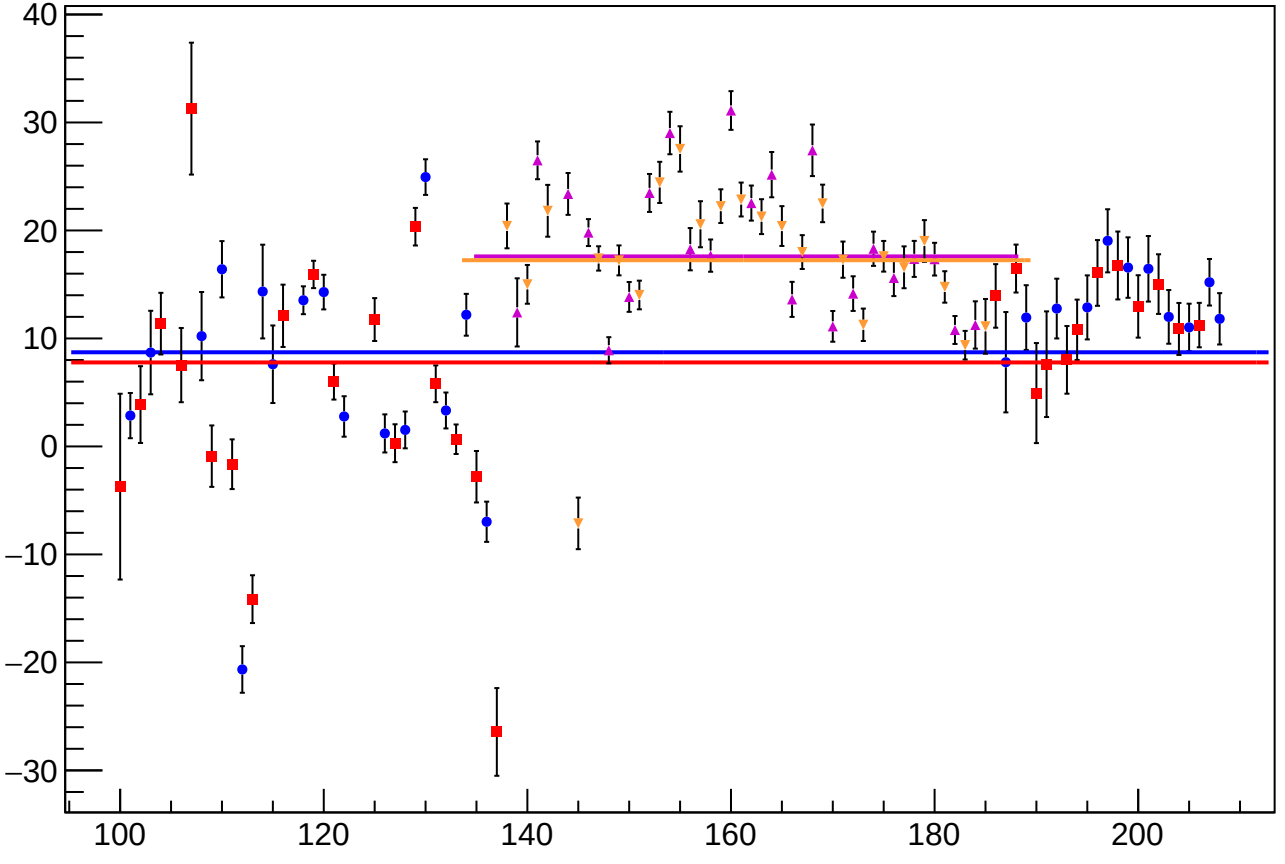
Right: 10.950+/-0.241 χ^2/NDF: 12091.5/56

In: 13.824+/-0.259 χ^2/NDF:6112.1/49

Out: 13.808+/-0.256 χ^2/NDF:8187.3/53

All: 13.816+/-0.182 χ^2/NDF: 14299.4/103

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.719+/-0.423 χ^2/NDF: 503.2/26

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.778+/-0.427 χ^2/NDF: 433.2/29

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

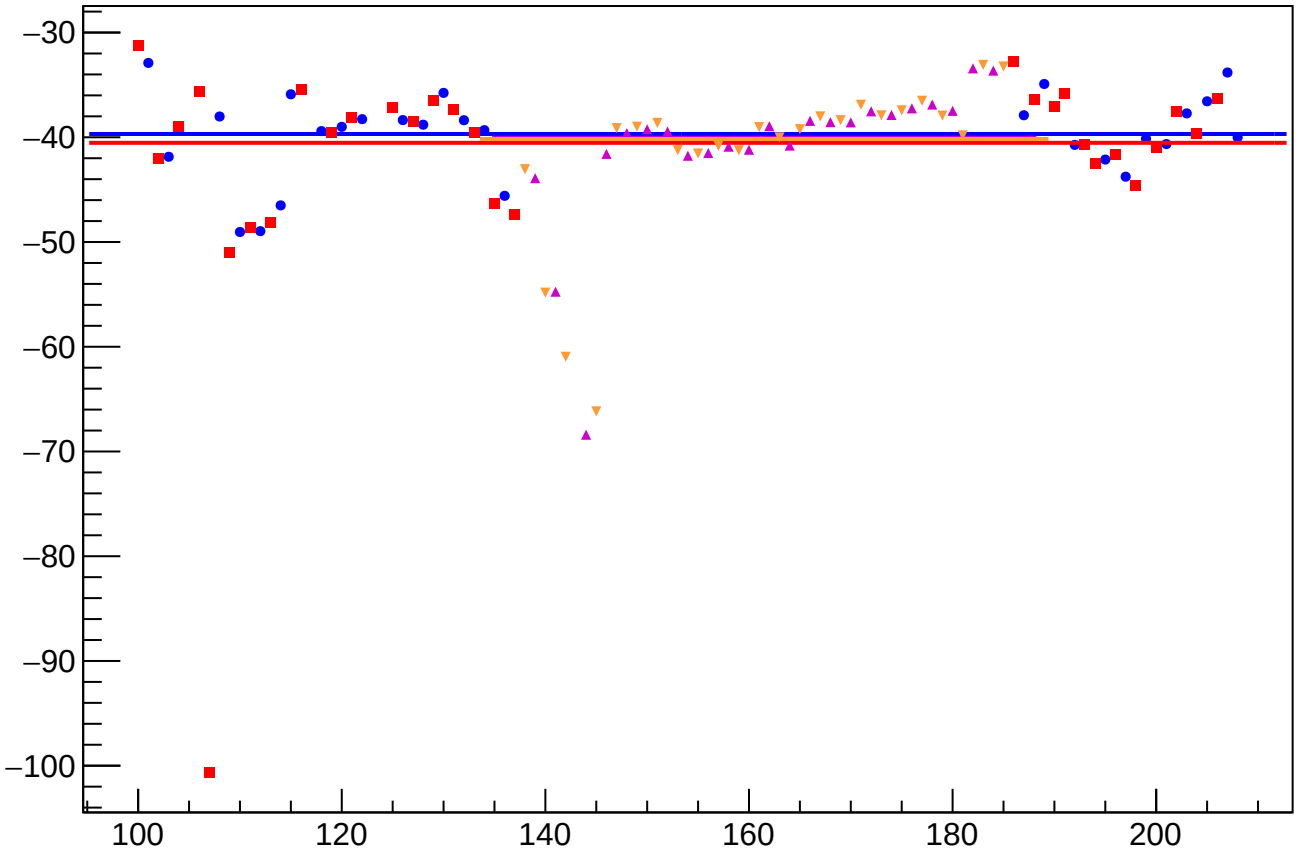
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.253+/-0.301 χ^2/NDF: 938.8/56

In: 14.085+/-0.266 χ^2/NDF:1079.1/49

Out: 13.599+/-0.265 χ^2/NDF:995.9/53

All: 13.841+/-0.188 χ^2/NDF: 2076.6/103



Right In: -39.685+/-0.021 χ^2/NDF: 32285.4/26

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.528+/-0.021 χ^2/NDF: 72572.7/29

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

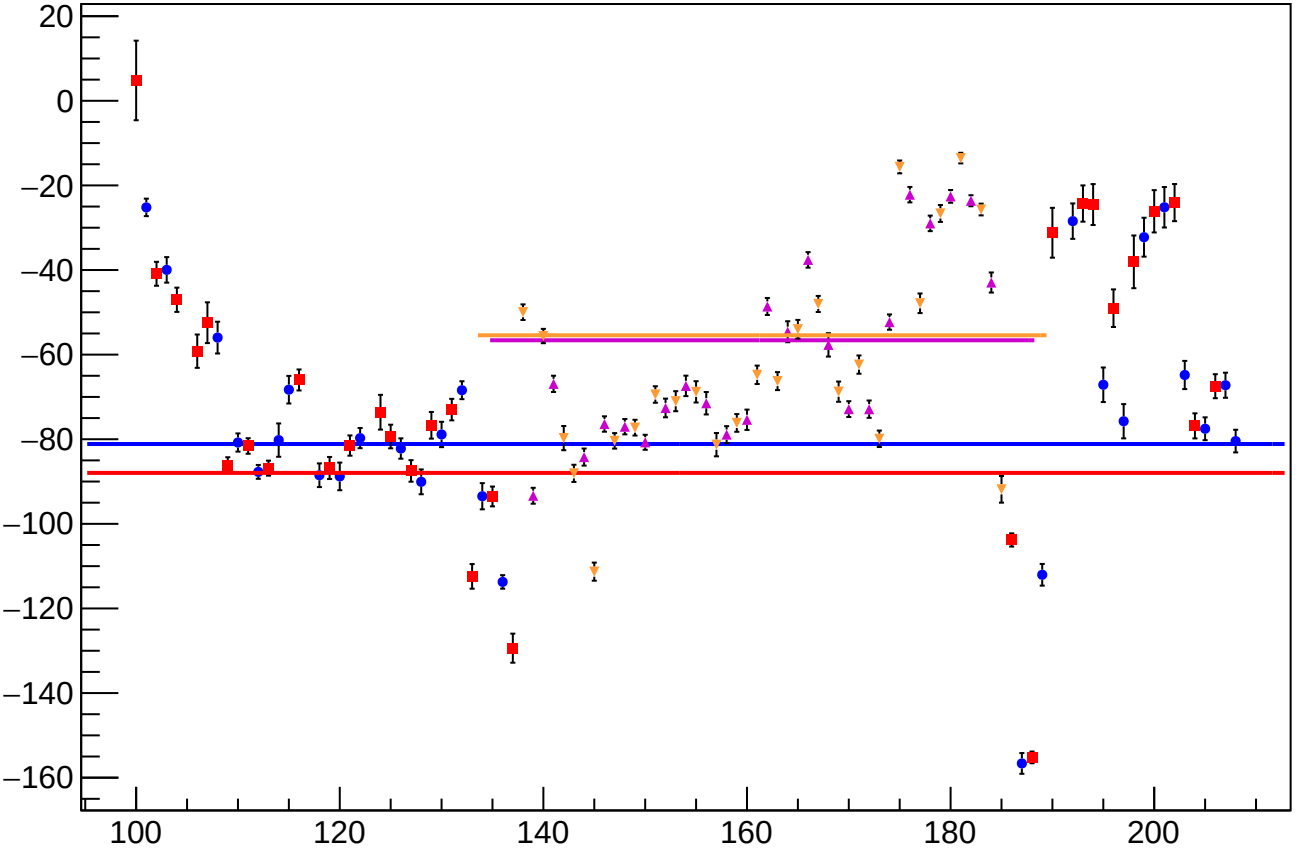
Right: -40.107+/-0.015 χ^2/NDF: 105650.8/56

In: -39.924+/-0.012 χ^2/NDF:168918.2/49

Out: -40.291+/-0.012 χ^2/NDF:236101.4/53

All: -40.107+/-0.009 χ^2/NDF: 405452.9/103

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -81.129+/-0.517 χ^2/NDF: 3046.4/26

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.959+/-0.488 χ^2/NDF: 4602.0/29

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

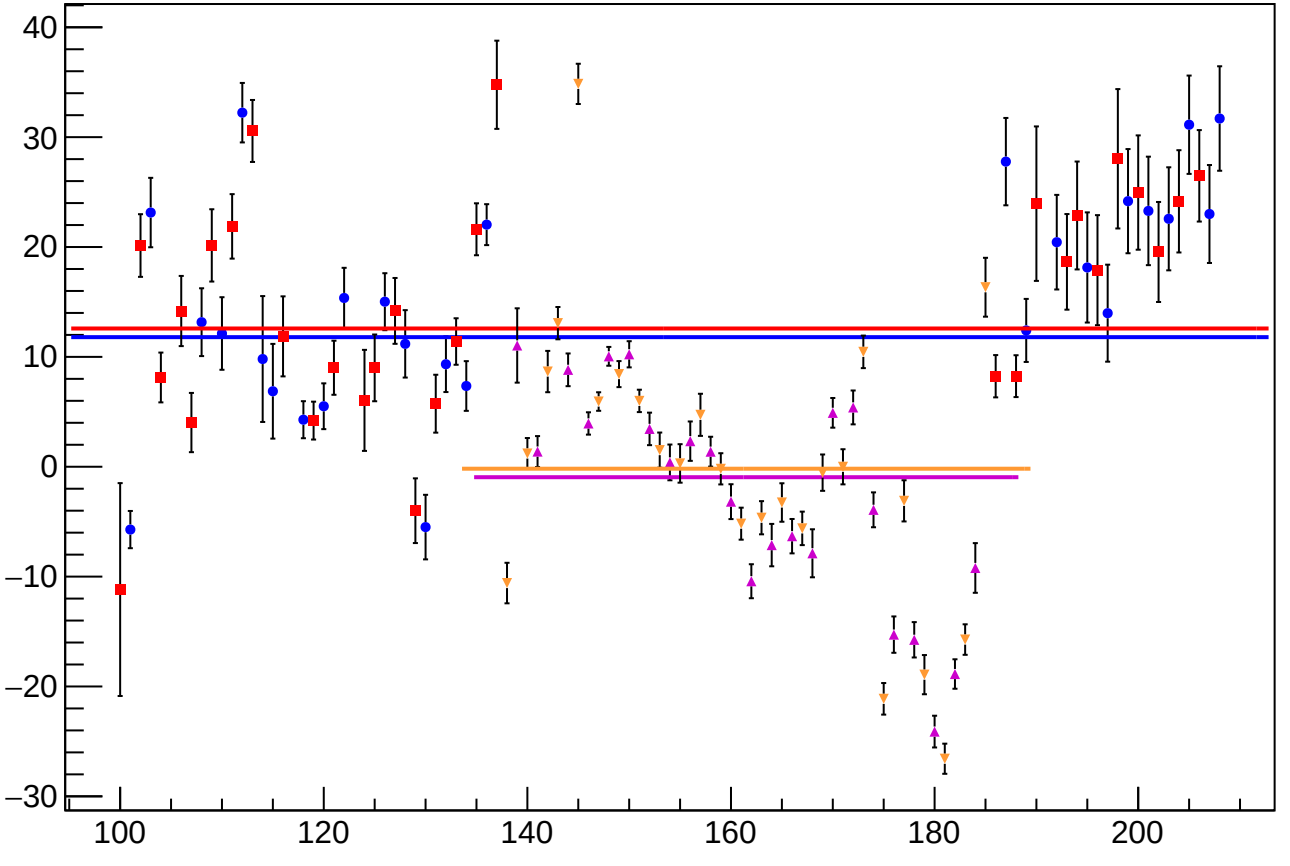
Right: -84.742+/-0.355 χ^2/NDF: 7740.9/56

In: -65.905+/-0.318 χ^2/NDF:7795.0/49

Out: -68.249+/-0.306 χ^2/NDF:11824.8/54

All: -67.122+/-0.221 χ^2/NDF: 19648.0/104

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.796+/-0.559 χ^2/NDF: 362.3/26

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.584+/-0.544 χ^2/NDF: 248.2/29

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

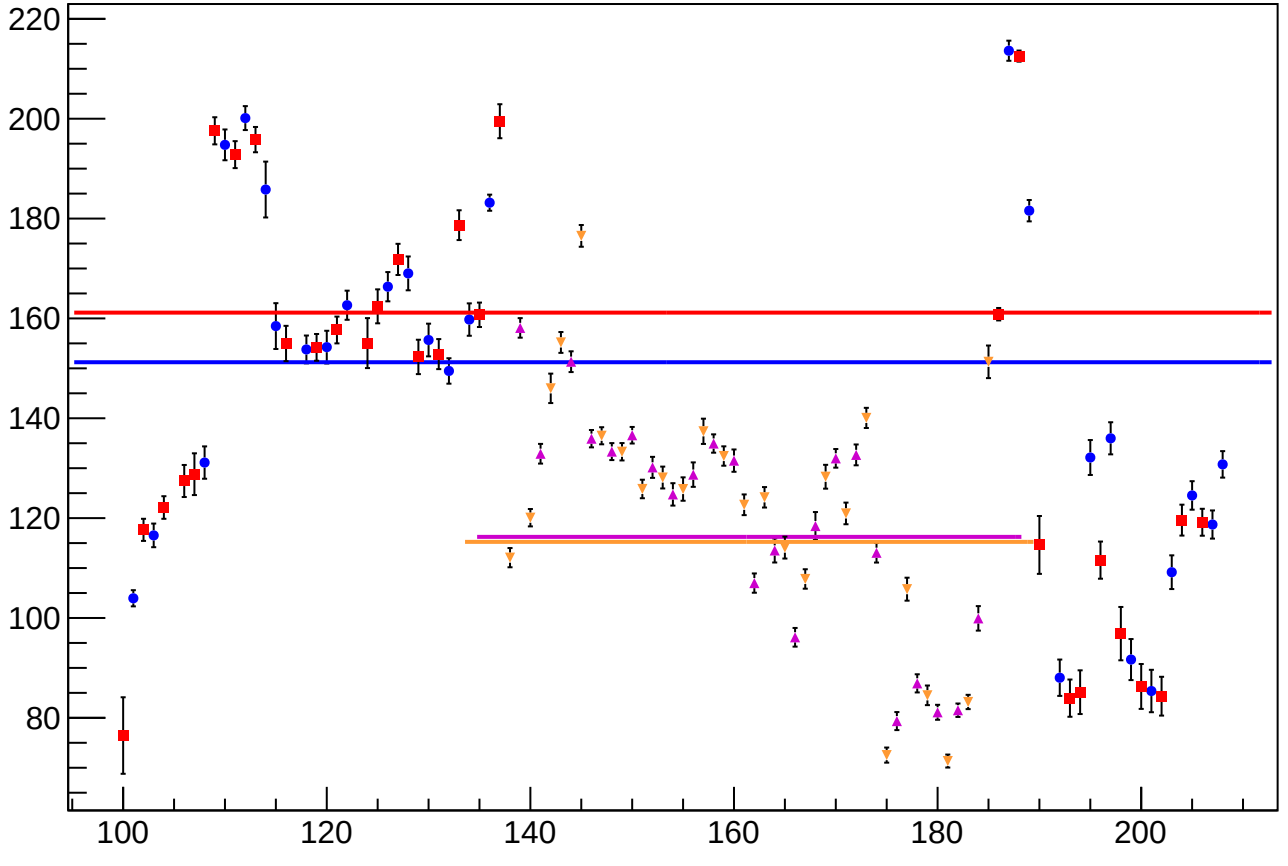
Right: 12.201+/-0.390 χ^2/NDF: 611.5/56

In: 1.956+/-0.267 χ^2/NDF:1832.8/49

Out: 2.708+/-0.259 χ^2/NDF:2272.7/54

All: 2.344+/-0.186 χ^2/NDF: 4109.6/104

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 151.224+/-0.527 χ^2/NDF: 4633.8/26

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 161.161+/-0.487 χ^2/NDF: 6030.8/29

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

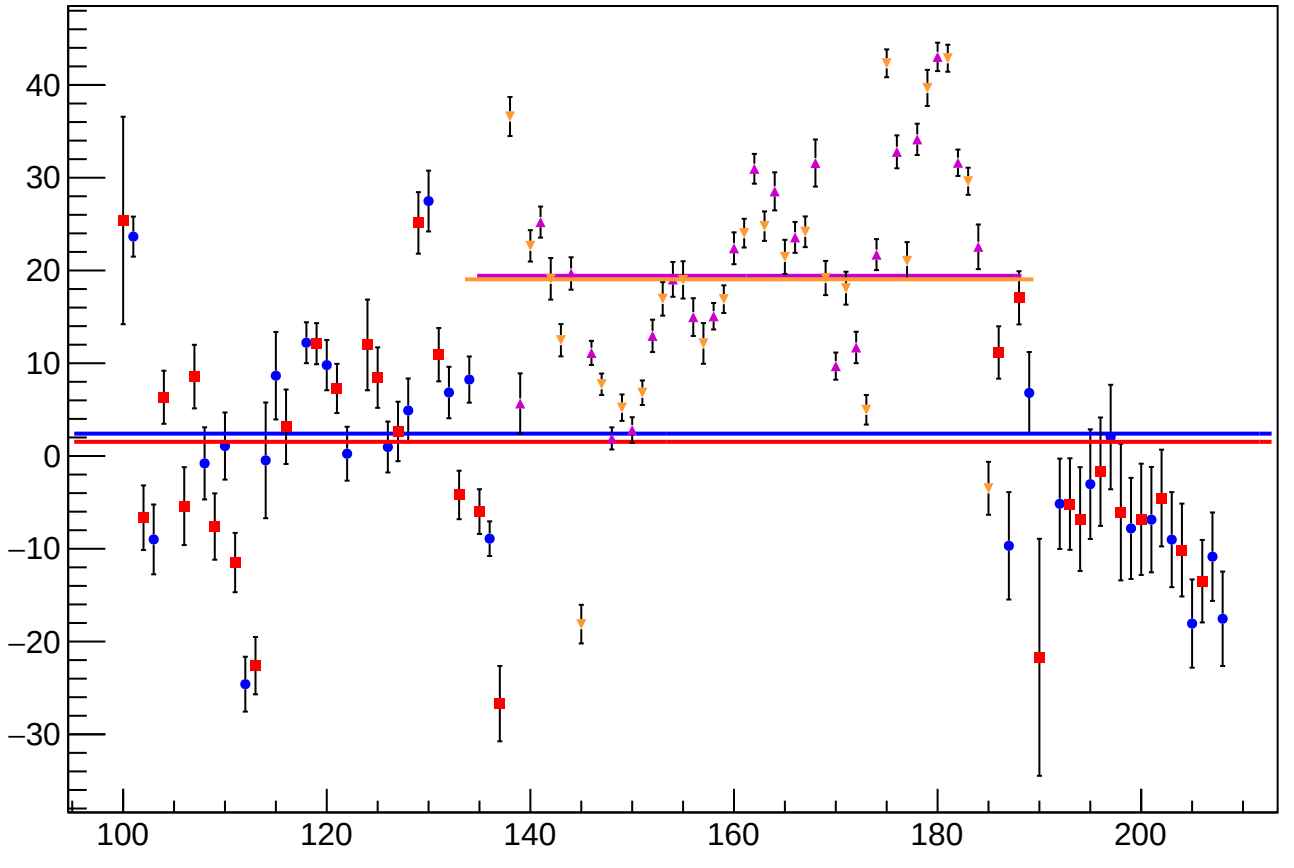
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 156.589+/-0.358 χ^2/NDF: 10856.3/56

In: 128.985+/-0.318 χ^2/NDF:11067.7/49

Out: 133.211+/-0.305 χ^2/NDF:16282.1/54

All: 131.191+/-0.220 χ^2/NDF: 27441.8/104



Right In: 2.411+/-0.649 χ^2/NDF: 385.4/26

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.528+/-0.646 χ^2/NDF: 334.9/29

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

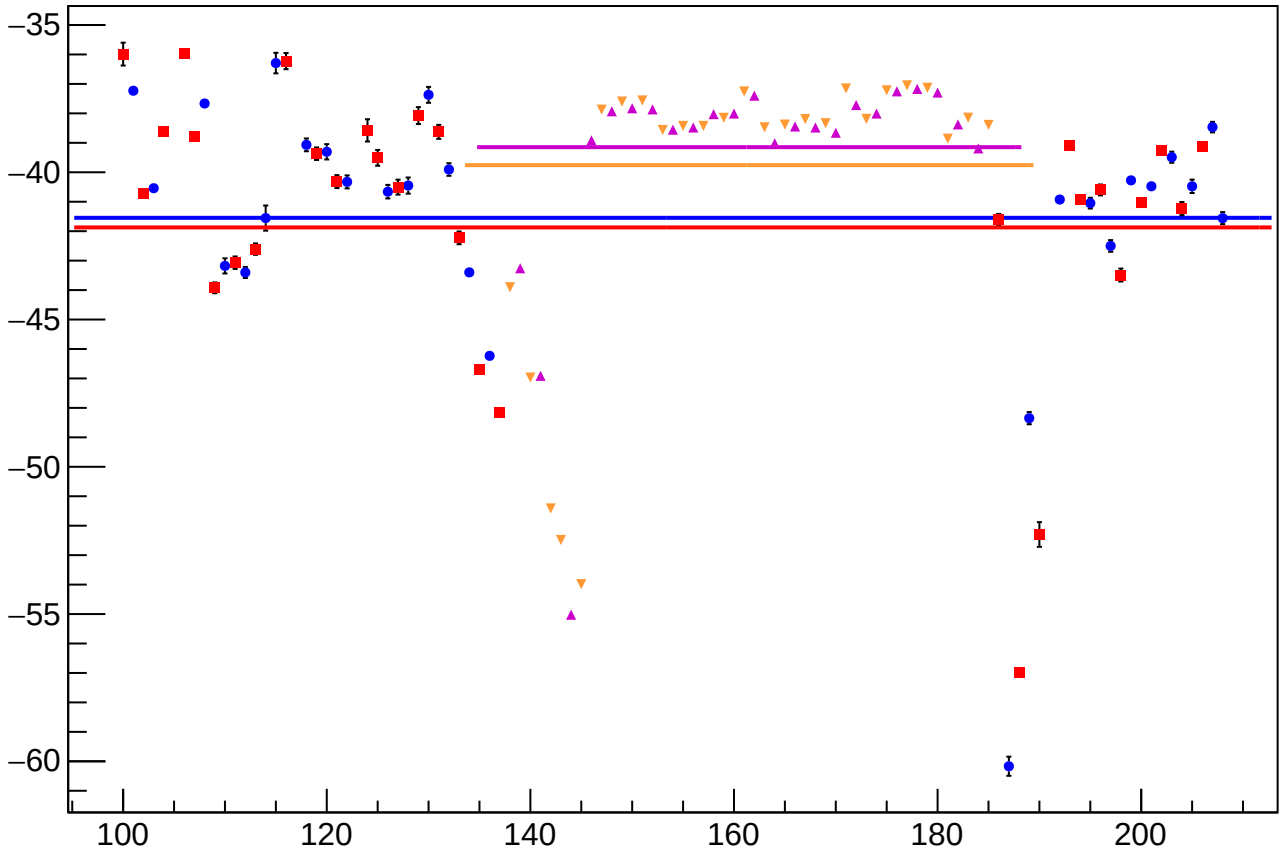
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.968+/-0.458 χ^2/NDF: 721.2/56

In: 15.664+/-0.305 χ^2/NDF:1998.1/49

Out: 15.312+/-0.298 χ^2/NDF:2459.6/54

All: 15.484+/-0.213 χ^2/NDF: 4458.3/104



Right In: -41.546+/-0.032 χ^2/NDF: 12890.0/26

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.873+/-0.032 χ^2/NDF: 19732.4/29

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

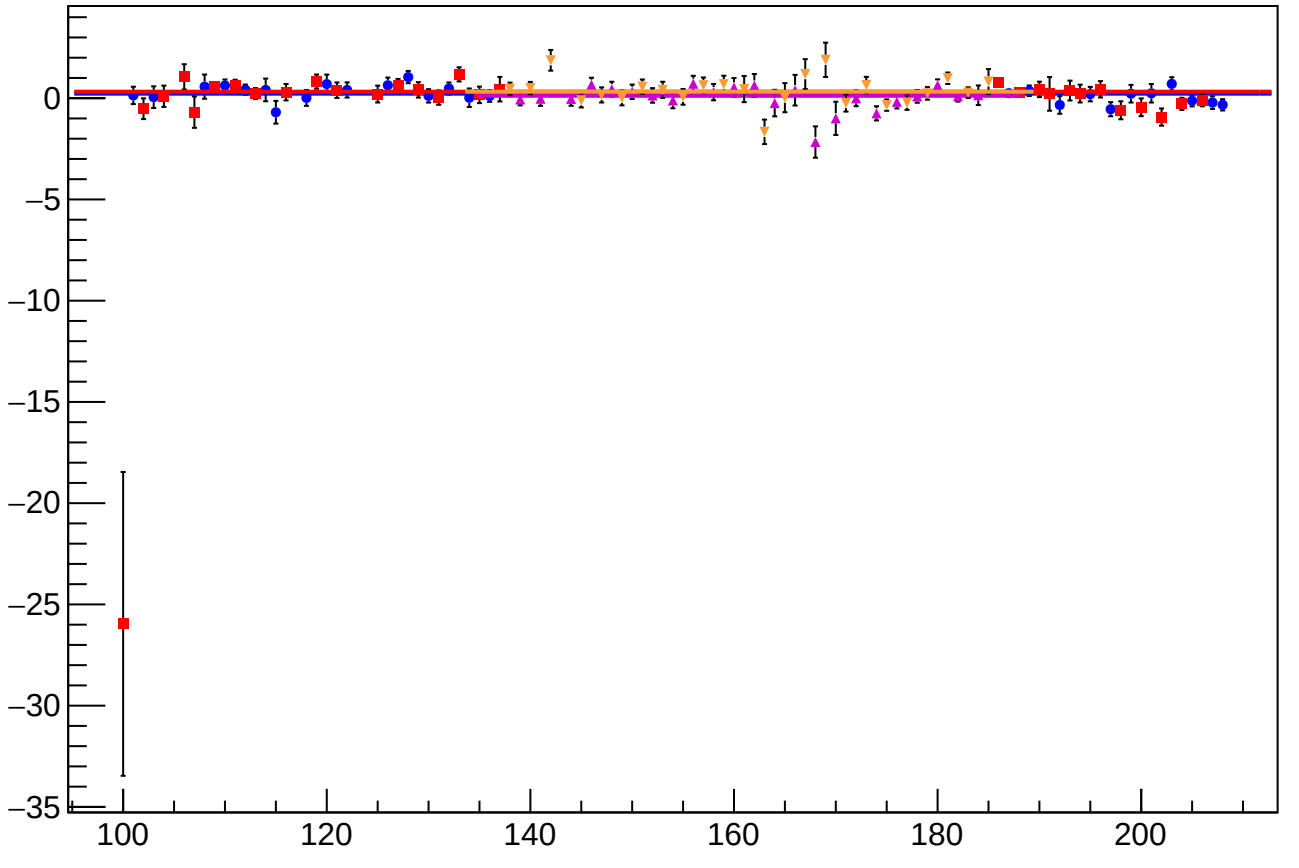
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.707+/-0.022 χ^2/NDF: 32675.1/56

In: -39.618+/-0.014 χ^2/NDF:64427.9/49

Out: -40.158+/-0.014 χ^2/NDF:105143.7/54

All: -39.889+/-0.010 χ^2/NDF: 170321.2/104



Right In: 0.225+/-0.066 χ^2/NDF: 33.4/26

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.323+/-0.060 χ^2/NDF: 60.2/29

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

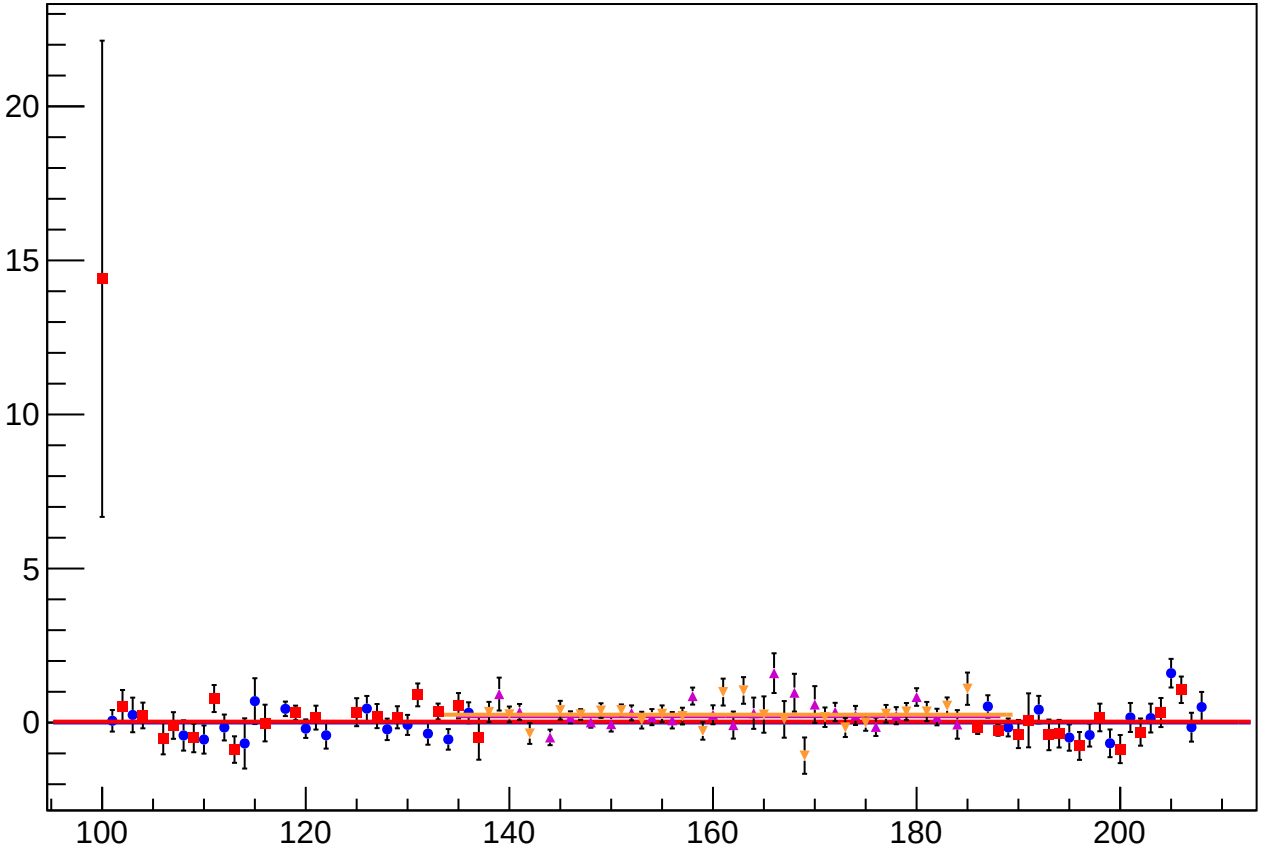
Right: 0.279+/-0.044 χ^2/NDF: 94.7/56

In: 0.182+/-0.051 χ^2/NDF:64.3/49

Out: 0.322+/-0.048 χ^2/NDF:107.1/53

All: 0.257+/-0.035 χ^2/NDF: 175.5/103

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.004+/-0.075 χ^2/NDF: 36.5/26

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.031+/-0.069 χ^2/NDF: 45.1/29

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

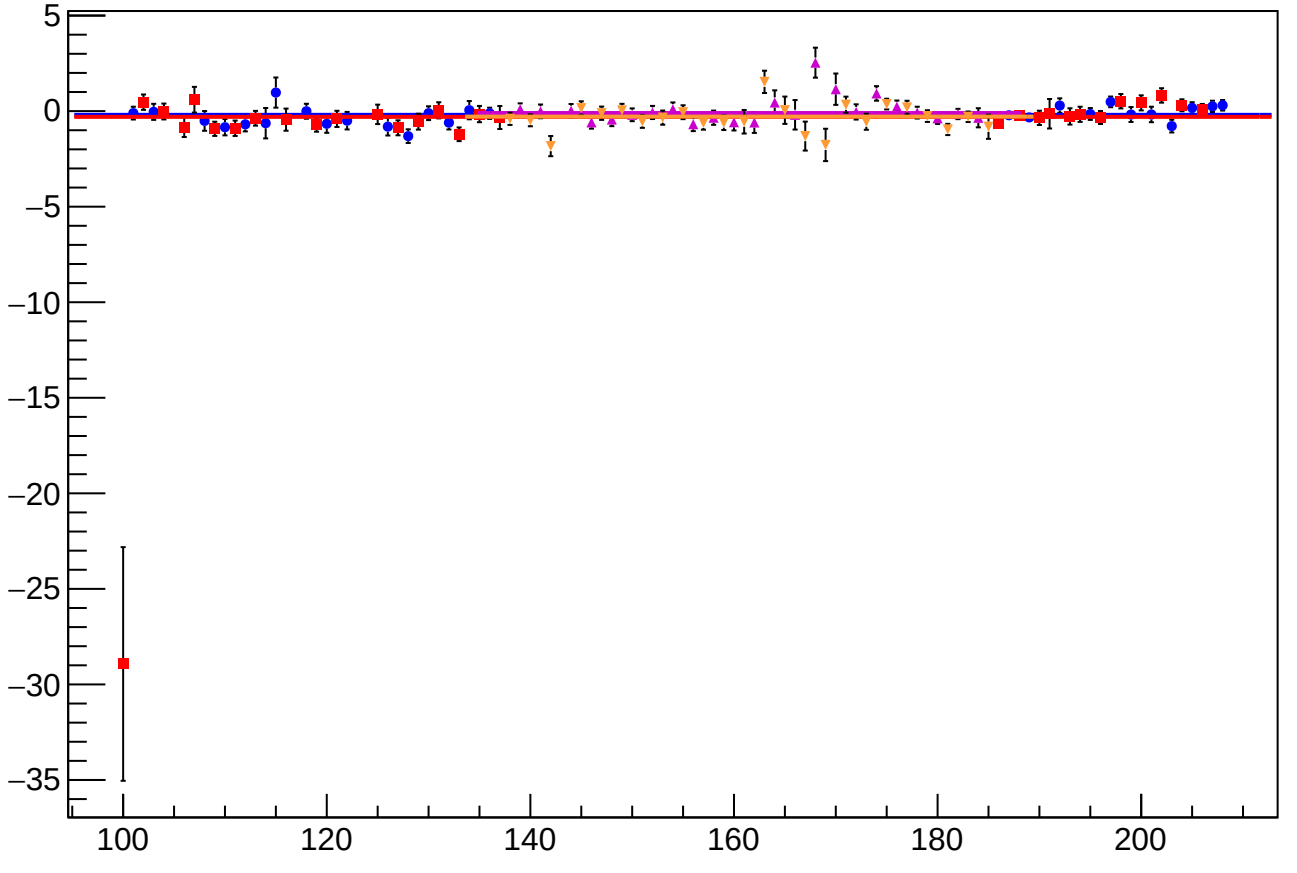
Right: 0.019+/-0.051 χ^2/NDF: 81.6/56

In: 0.127+/-0.047 χ^2/NDF:72.8/49

Out: 0.161+/-0.045 χ^2/NDF:77.7/53

All: 0.145+/-0.033 χ^2/NDF: 150.7/103

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.194+/-0.066 χ^2/NDF: 40.1/26

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.299+/-0.057 χ^2/NDF: 74.7/29

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

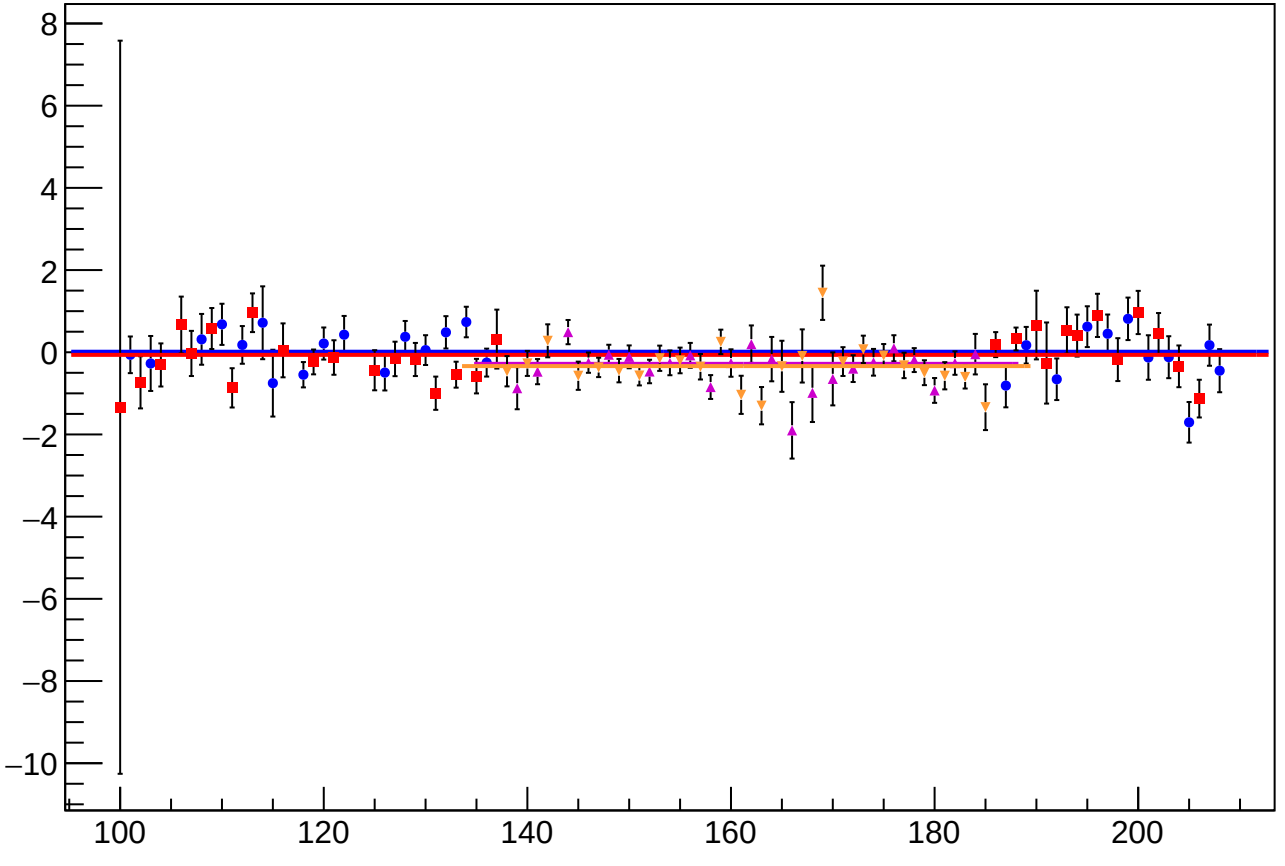
Right: -0.254+/-0.043 χ^2/NDF: 116.3/56

In: -0.155+/-0.050 χ^2/NDF:74.2/49

Out: -0.295+/-0.046 χ^2/NDF:119.8/53

All: -0.232+/-0.034 χ^2/NDF: 198.1/103

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.013+/-0.088 χ^2/NDF: 38.6/26

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.063+/-0.085 χ^2/NDF: 41.5/29

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

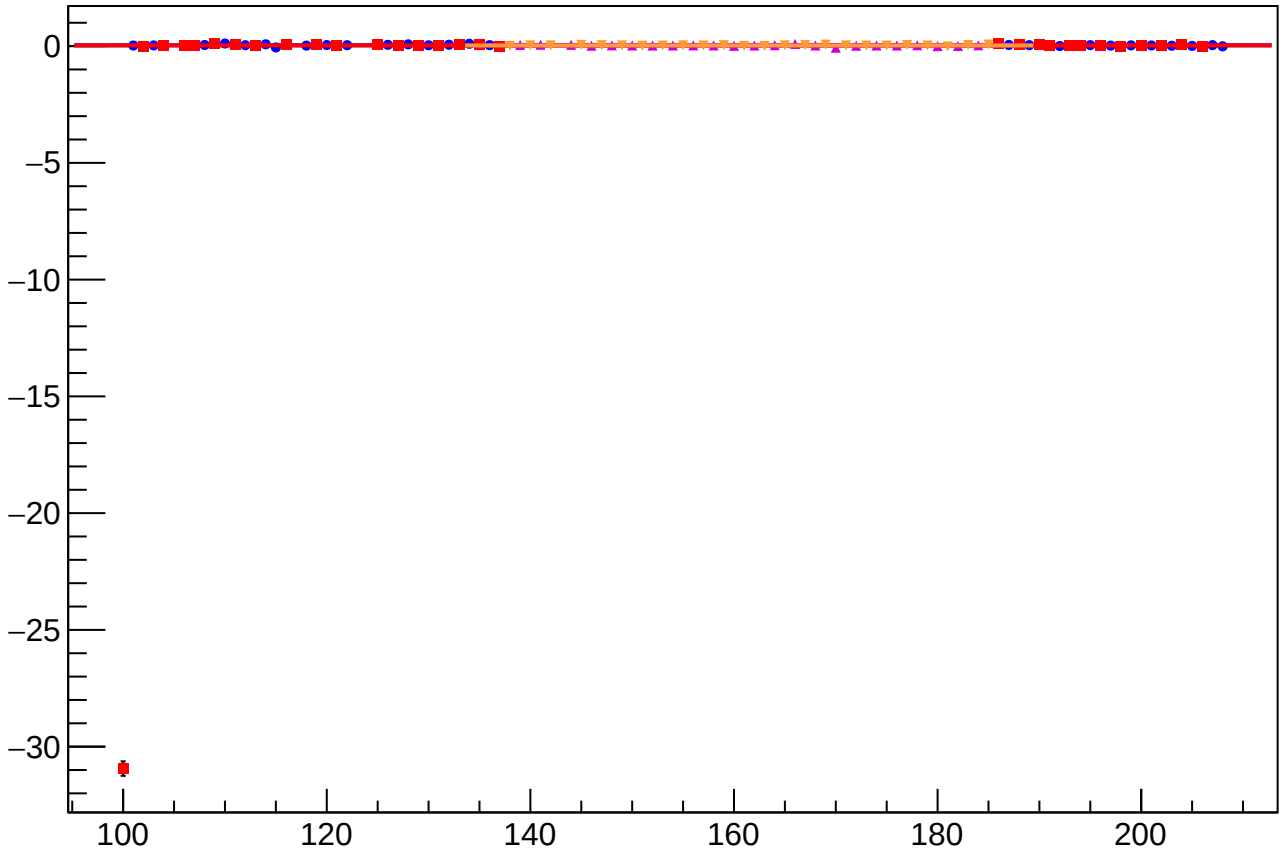
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.027+/-0.061 χ^2/NDF: 80.5/56

In: -0.170+/-0.054 χ^2/NDF:74.5/49

Out: -0.229+/-0.053 χ^2/NDF:78.0/53

All: -0.200+/-0.038 χ^2/NDF: 153.2/103



Right In: 0.035+/-0.004 χ^2/NDF: 36.1/26

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10054.5/29

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

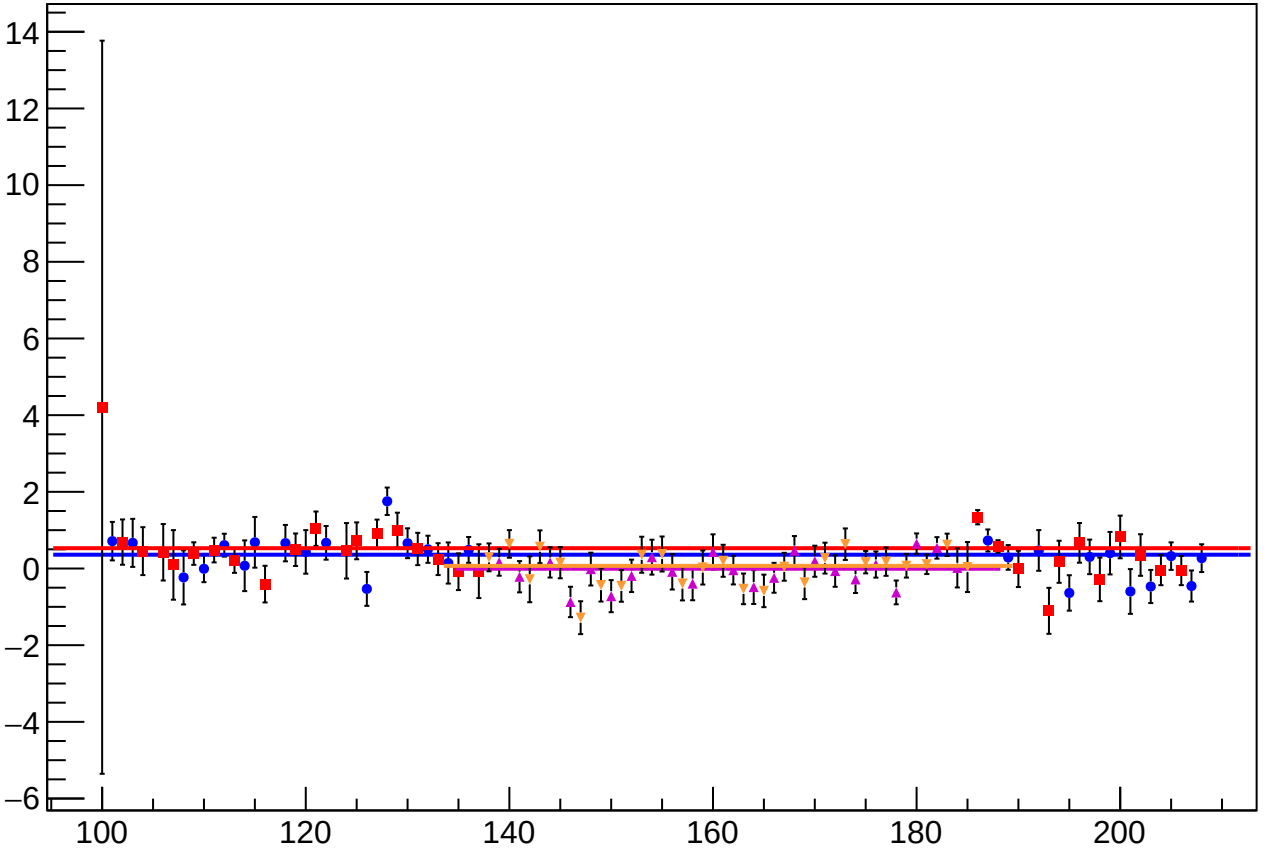
Right: 0.033+/-0.003 χ^2/NDF: 10091.0/56

In: 0.031+/-0.002 χ^2/NDF:76.2/49

Out: 0.029+/-0.002 χ^2/NDF:10082.5/53

All: 0.030+/-0.002 χ^2/NDF: 10159.1/103

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.360+/-0.081 χ^2/NDF: 41.8/26

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.530+/-0.072 χ^2/NDF: 46.8/29

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

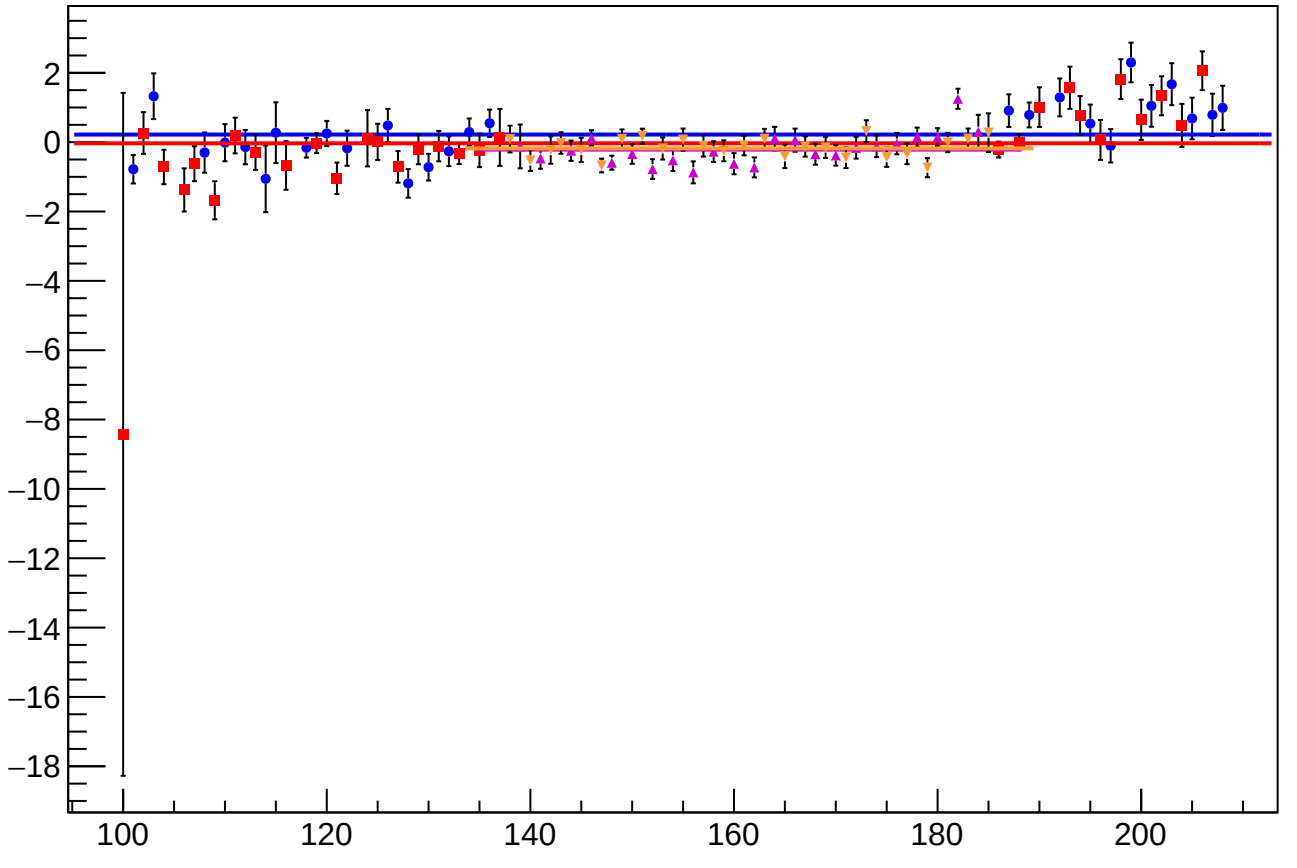
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.455+/-0.054 χ^2/NDF: 91.1/56

In: 0.173+/-0.057 χ^2/NDF:80.7/49

Out: 0.316+/-0.053 χ^2/NDF:97.1/54

All: 0.250+/-0.039 χ^2/NDF: 181.3/104



Right In: 0.219+/-0.091 χ^2/NDF: 67.5/26

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.033+/-0.083 χ^2/NDF: 73.0/29

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

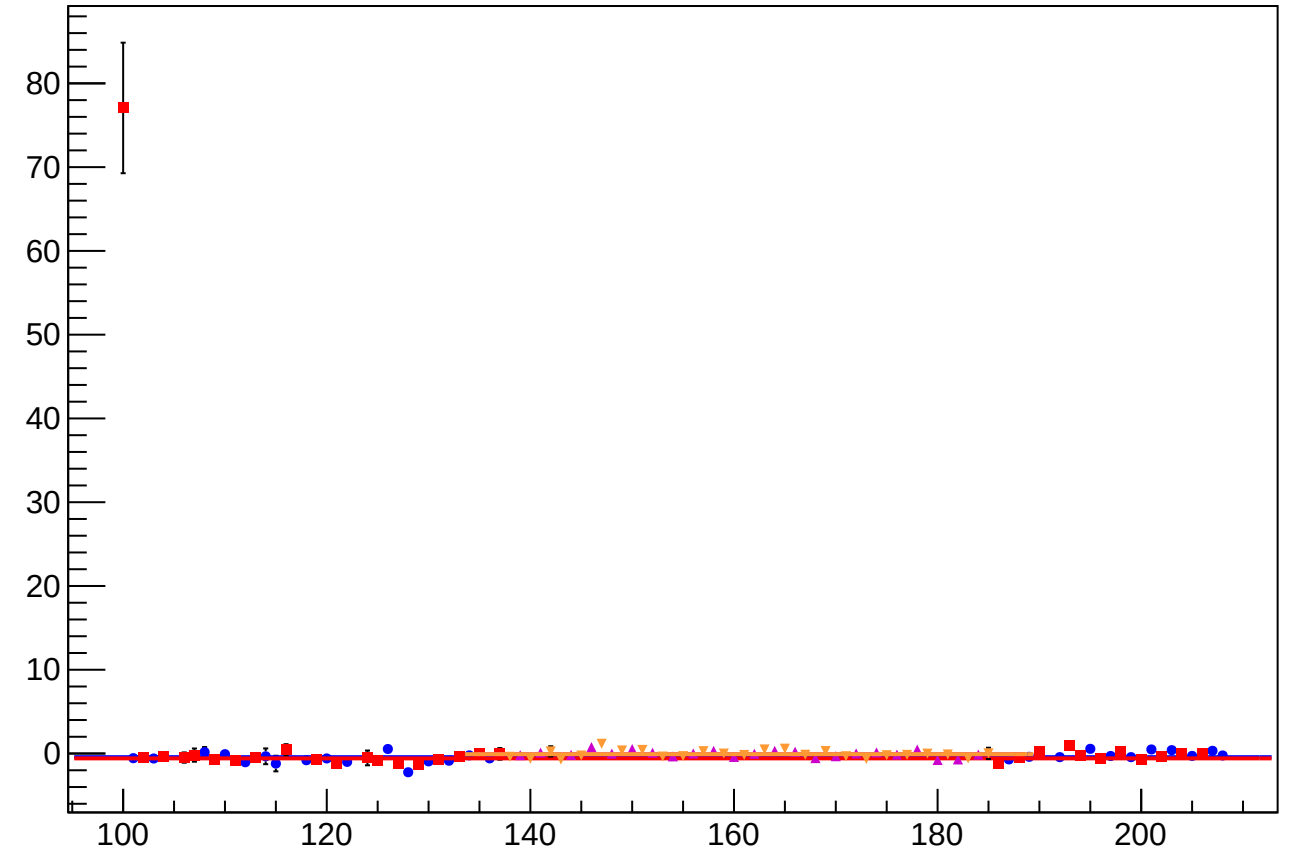
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.081+/-0.061 χ^2/NDF: 144.7/56

In: -0.080+/-0.051 χ^2/NDF:136.7/49

Out: -0.130+/-0.048 χ^2/NDF:99.9/54

All: -0.107+/-0.035 χ^2/NDF: 237.1/104



Right In: -0.437+/-0.081 χ^2/NDF: 48.8/26

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.580+/-0.068 χ^2/NDF: 145.3/29

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

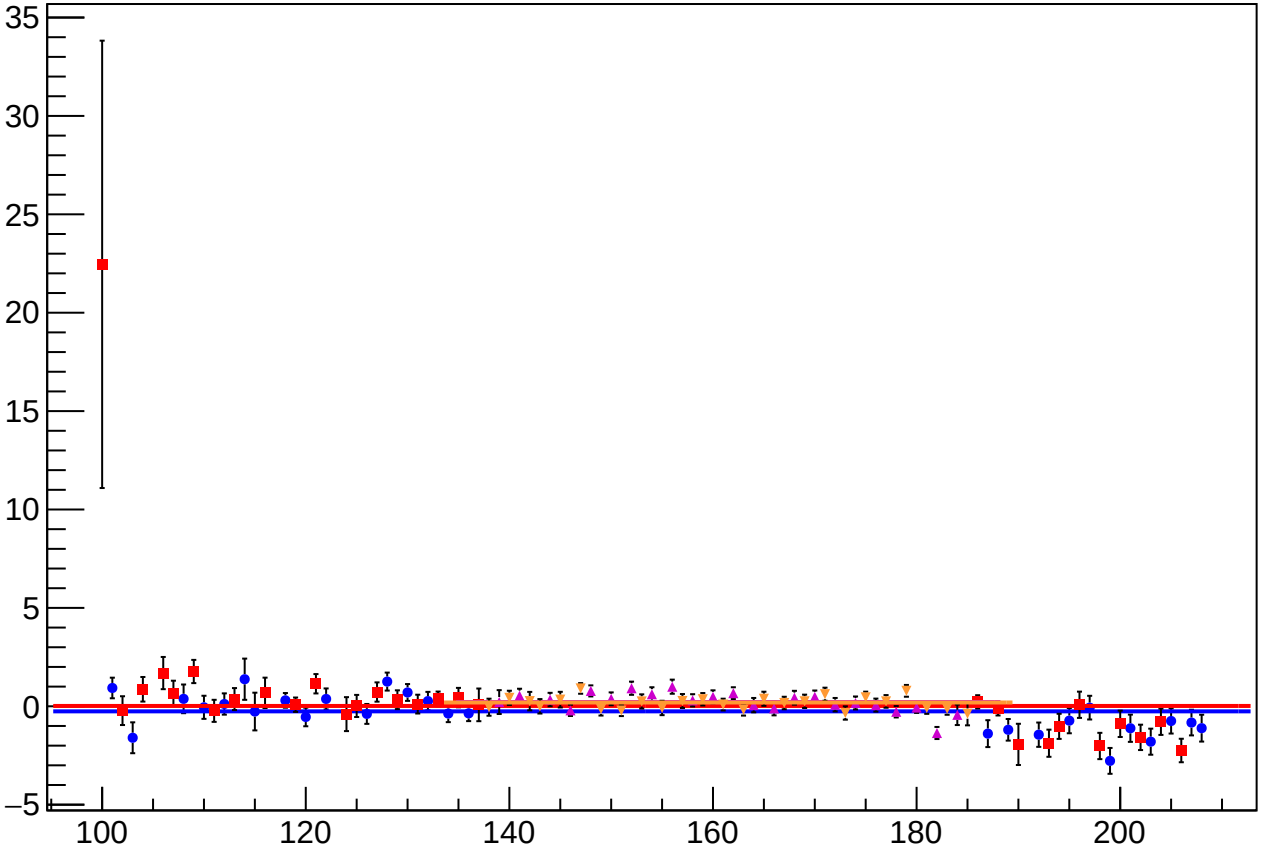
Right: -0.521+/-0.052 χ^2/NDF: 196.0/56

In: -0.251+/-0.056 χ^2/NDF:87.4/49

Out: -0.358+/-0.051 χ^2/NDF:199.3/54

All: -0.310+/-0.038 χ^2/NDF: 288.6/104

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.257+/-0.107 χ^2/NDF: 67.8/26

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.017+/-0.101 χ^2/NDF: 78.2/29

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

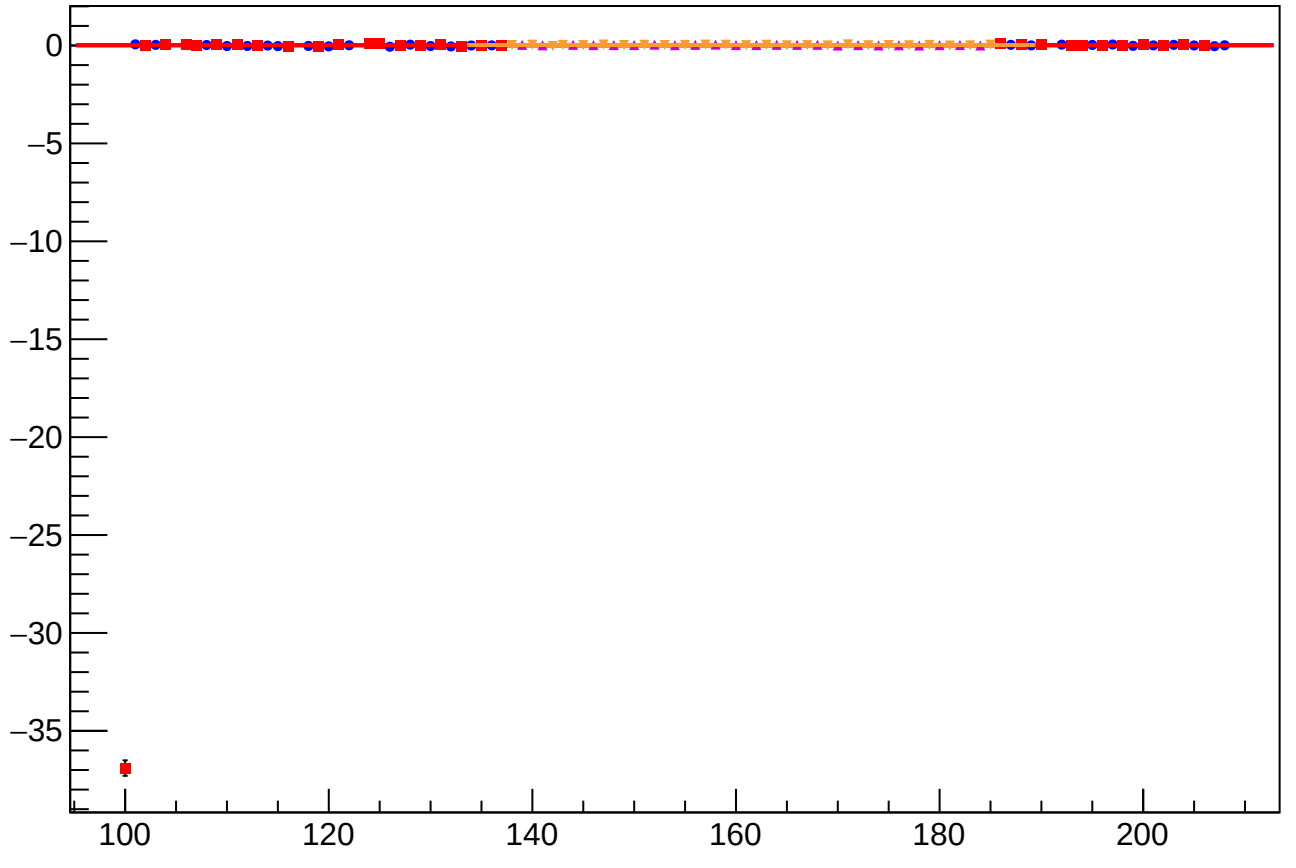
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.113+/-0.073 χ^2/NDF: 149.5/56

In: 0.075+/-0.058 χ^2/NDF:136.7/49

Out: 0.140+/-0.056 χ^2/NDF:106.2/54

All: 0.109+/-0.040 χ^2/NDF: 243.5/104



Right In: 0.011+/-0.005 χ^2/NDF: 32.4/26

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8779.6/29

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

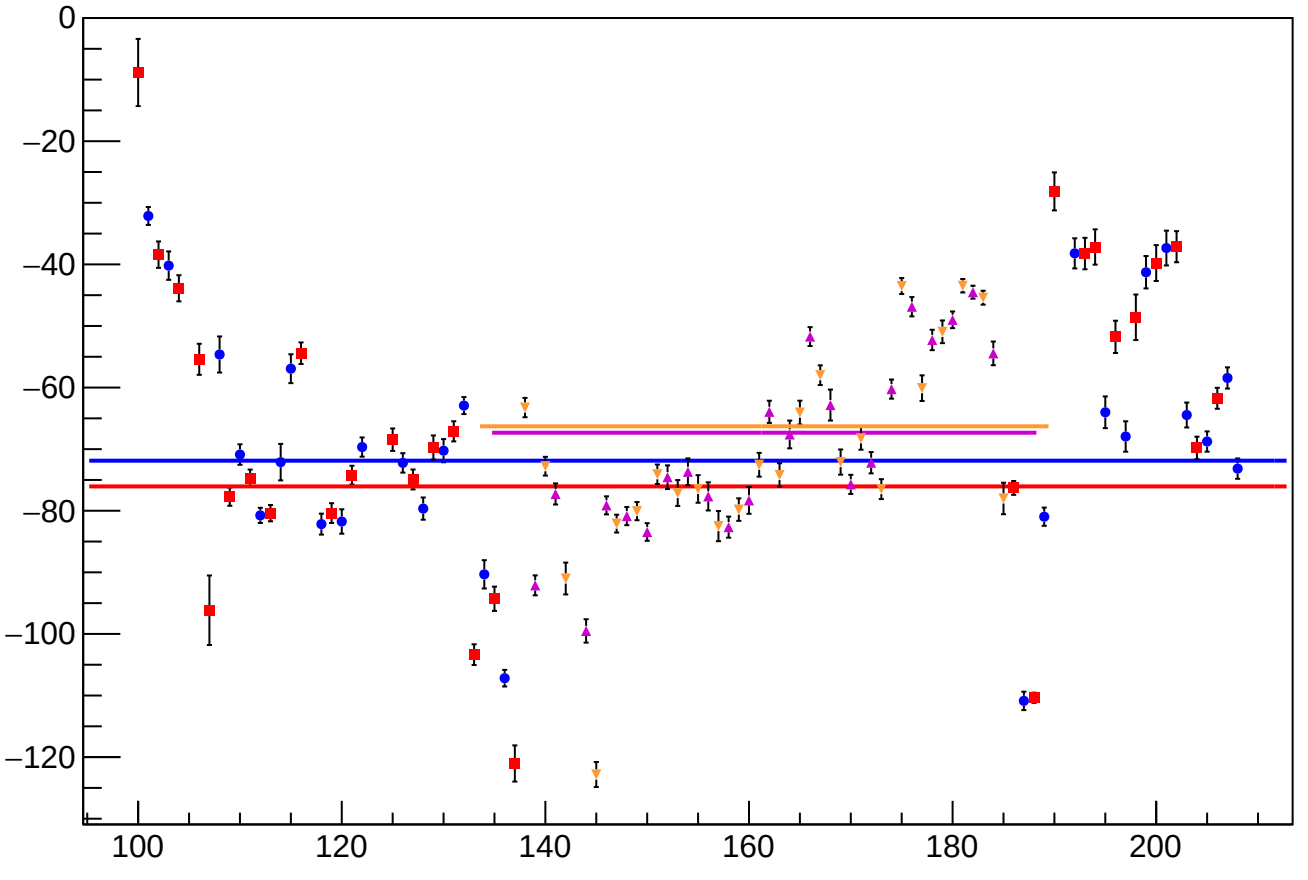
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.013+/-0.003 χ^2/NDF: 8812.4/56

In: 0.021+/-0.003 χ^2/NDF:55.5/49

Out: 0.022+/-0.003 χ^2/NDF:8812.2/54

All: 0.021+/-0.002 χ^2/NDF: 8867.8/104



Right In: -71.871+/-0.346 χ^2/NDF: 3218.8/26

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.049+/-0.330 χ^2/NDF: 4564.2/28

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

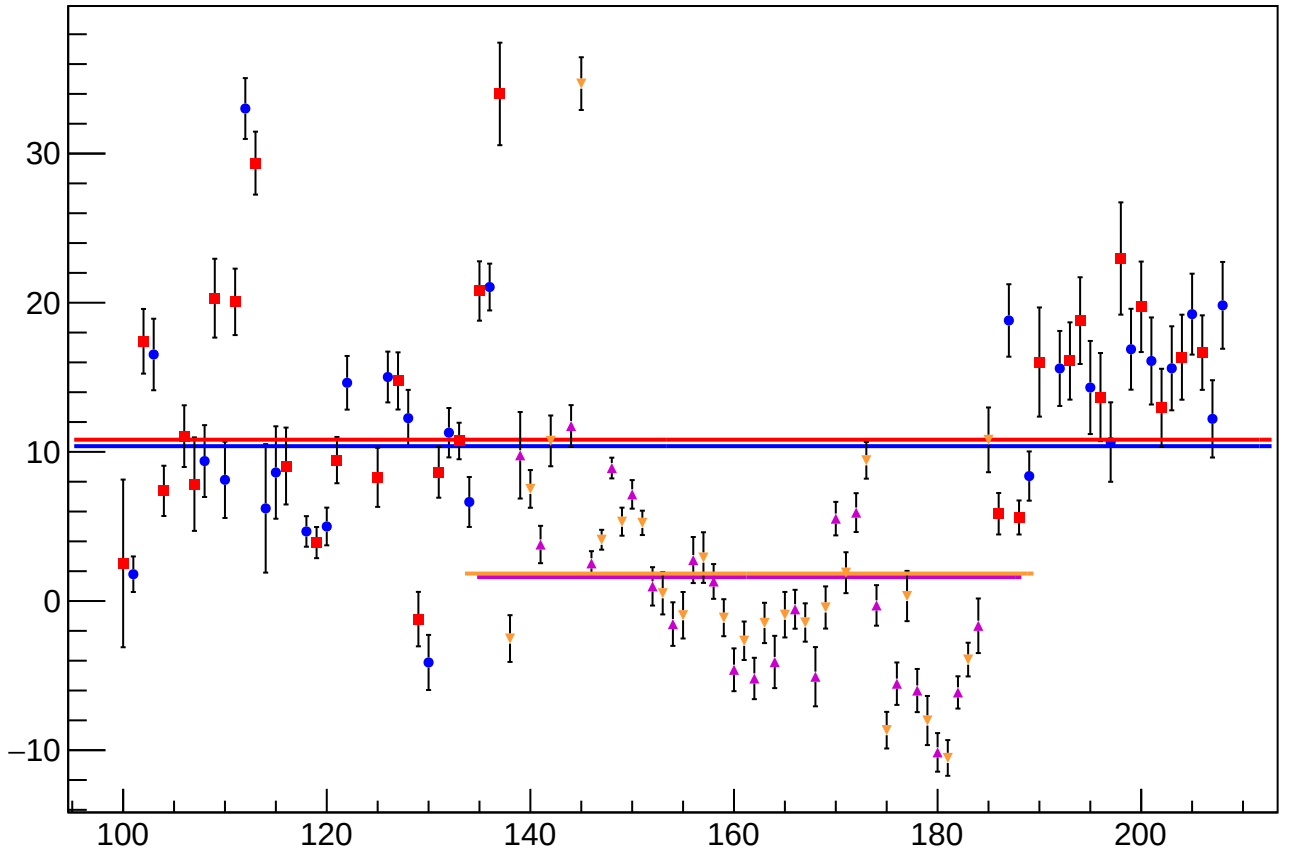
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.060+/-0.239 χ^2/NDF: 7859.1/55

In: -69.593+/-0.244 χ^2/NDF:5407.7/49

Out: -71.365+/-0.238 χ^2/NDF:7533.6/52

All: -70.502+/-0.171 χ^2/NDF: 12968.2/102



Right In: 10.382+/-0.371 χ^2/NDF: 414.4/26

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.817+/-0.365 χ^2/NDF: 367.5/28

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

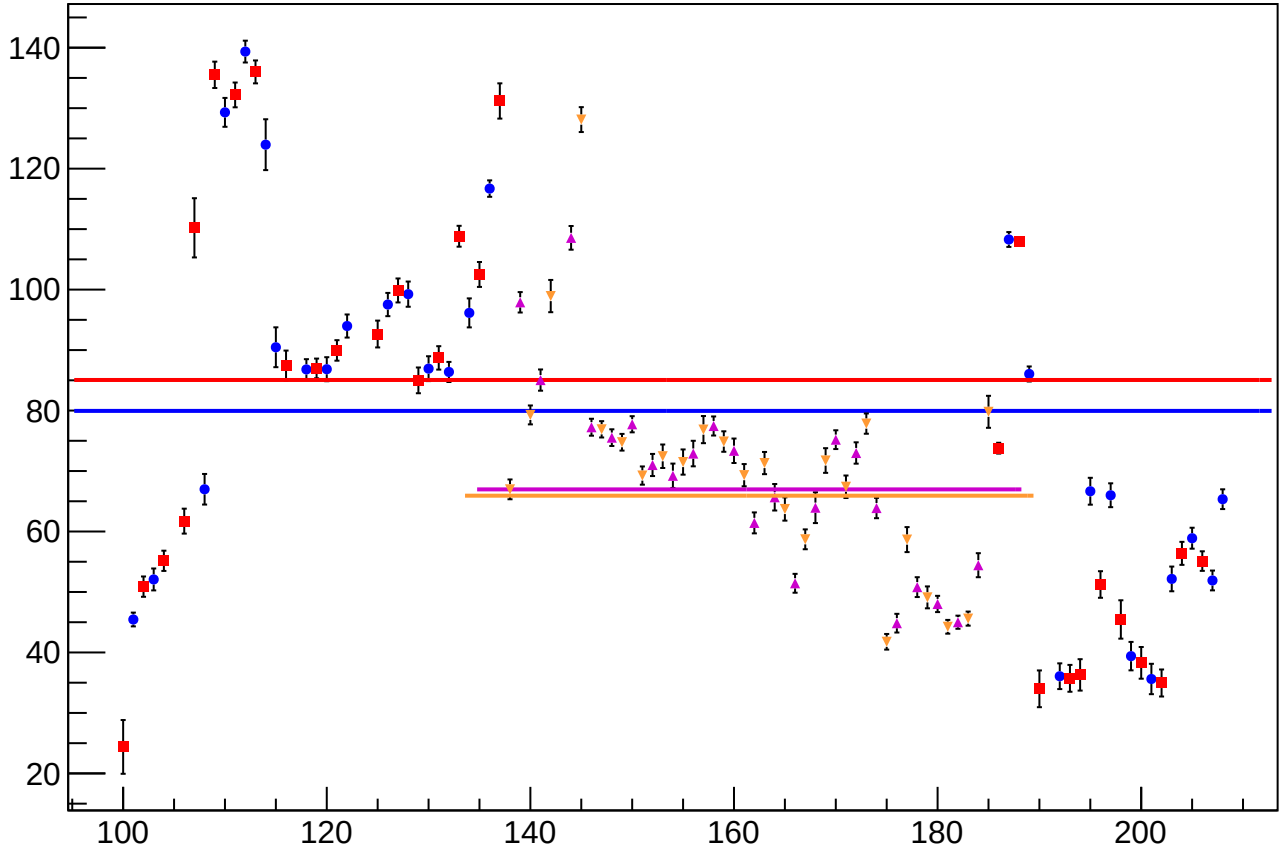
Right: 10.603+/-0.260 χ^2/NDF: 782.6/55

In: 4.469+/-0.212 χ^2/NDF:1287.5/49

Out: 4.779+/-0.209 χ^2/NDF:1556.2/52

All: 4.627+/-0.149 χ^2/NDF: 2844.7/102

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 79.943+/-0.349 χ^2/NDF: 6247.6/26

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 85.056+/-0.323 χ^2/NDF: 7708.6/28

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

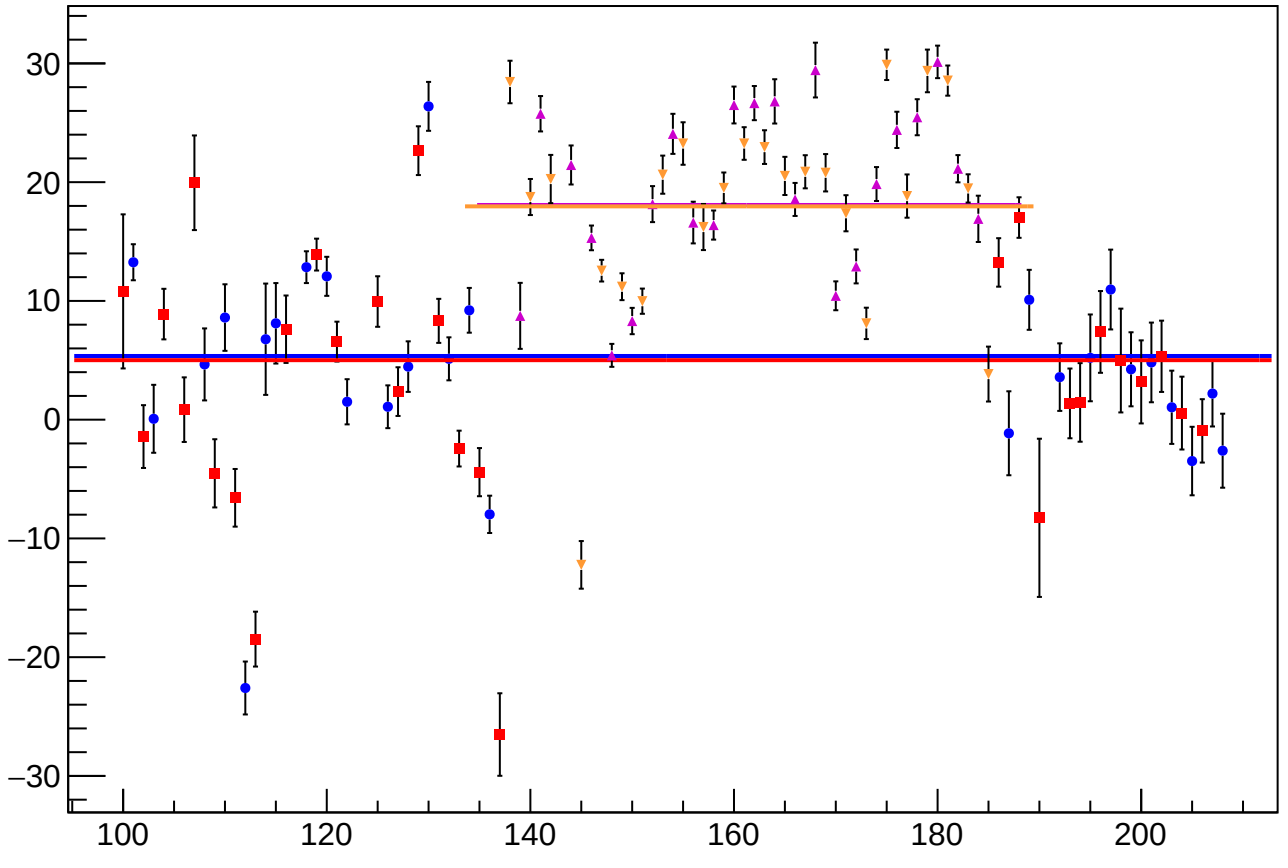
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 82.695+/-0.237 χ^2/NDF: 14071.7/55

In: 73.305+/-0.244 χ^2/NDF:9175.7/49

Out: 75.983+/-0.234 χ^2/NDF:11924.2/52

All: 74.697+/-0.169 χ^2/NDF: 21162.5/102



Right In: 5.363+/-0.436 χ^2/NDF: 457.7/26

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.011+/-0.437 χ^2/NDF: 501.8/28

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

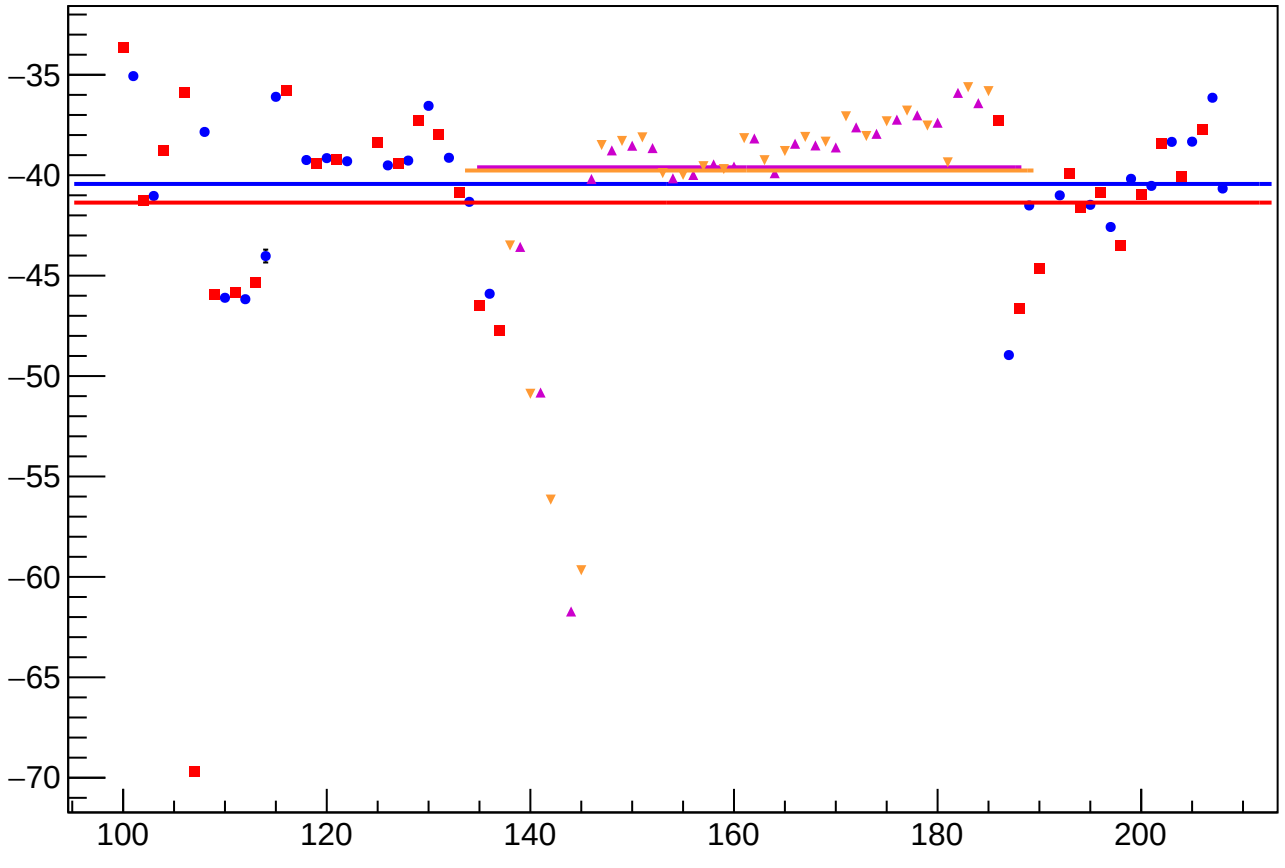
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.187+/-0.309 χ^2/NDF: 959.8/55

In: 14.089+/-0.244 χ^2/NDF:1646.4/49

Out: 13.964+/-0.243 χ^2/NDF:1841.5/52

All: 14.026+/-0.172 χ^2/NDF: 3488.1/102



Right In: -40.434+/-0.022 χ^2/NDF: 22859.7/26

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.364+/-0.022 χ^2/NDF: 44618.1/28

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

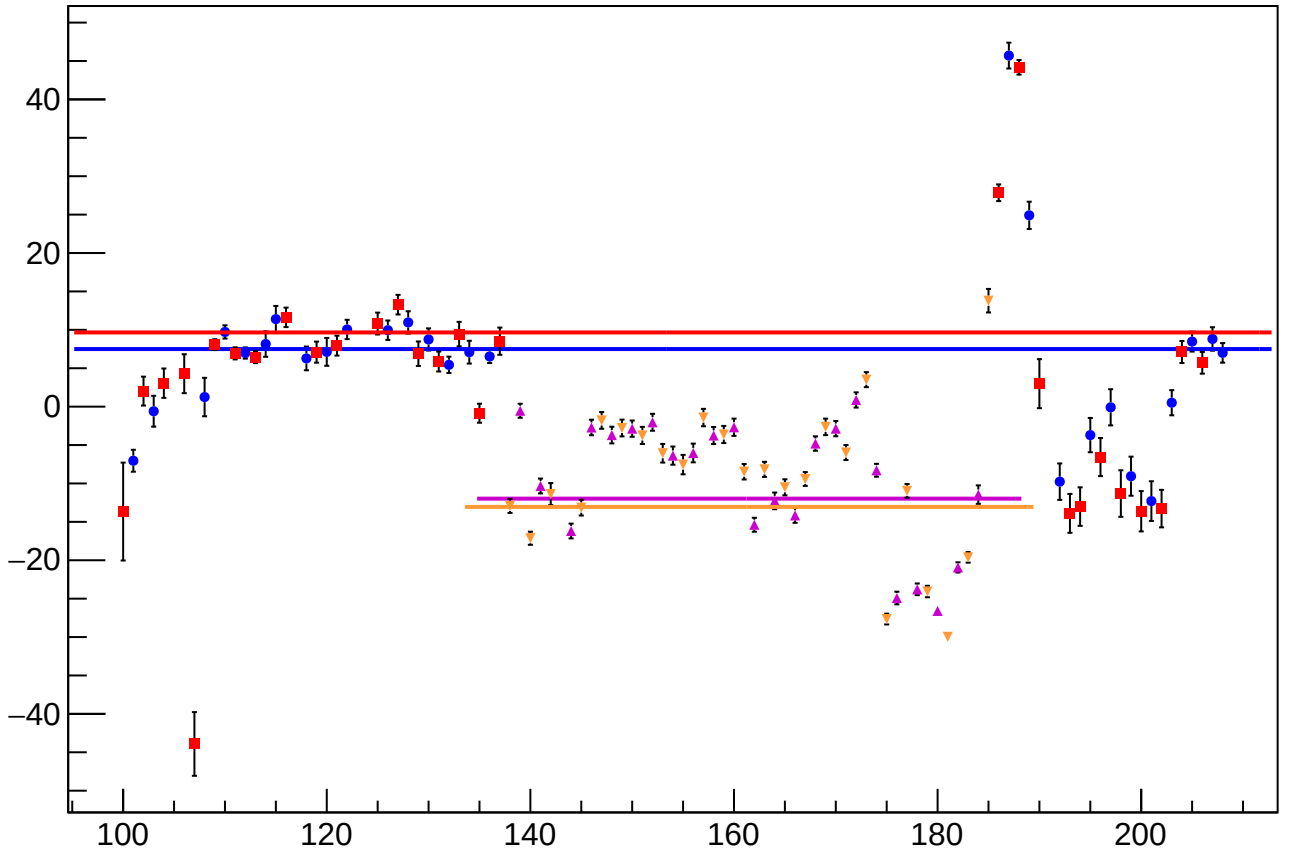
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.896+/-0.015 χ^2/NDF: 68401.6/55

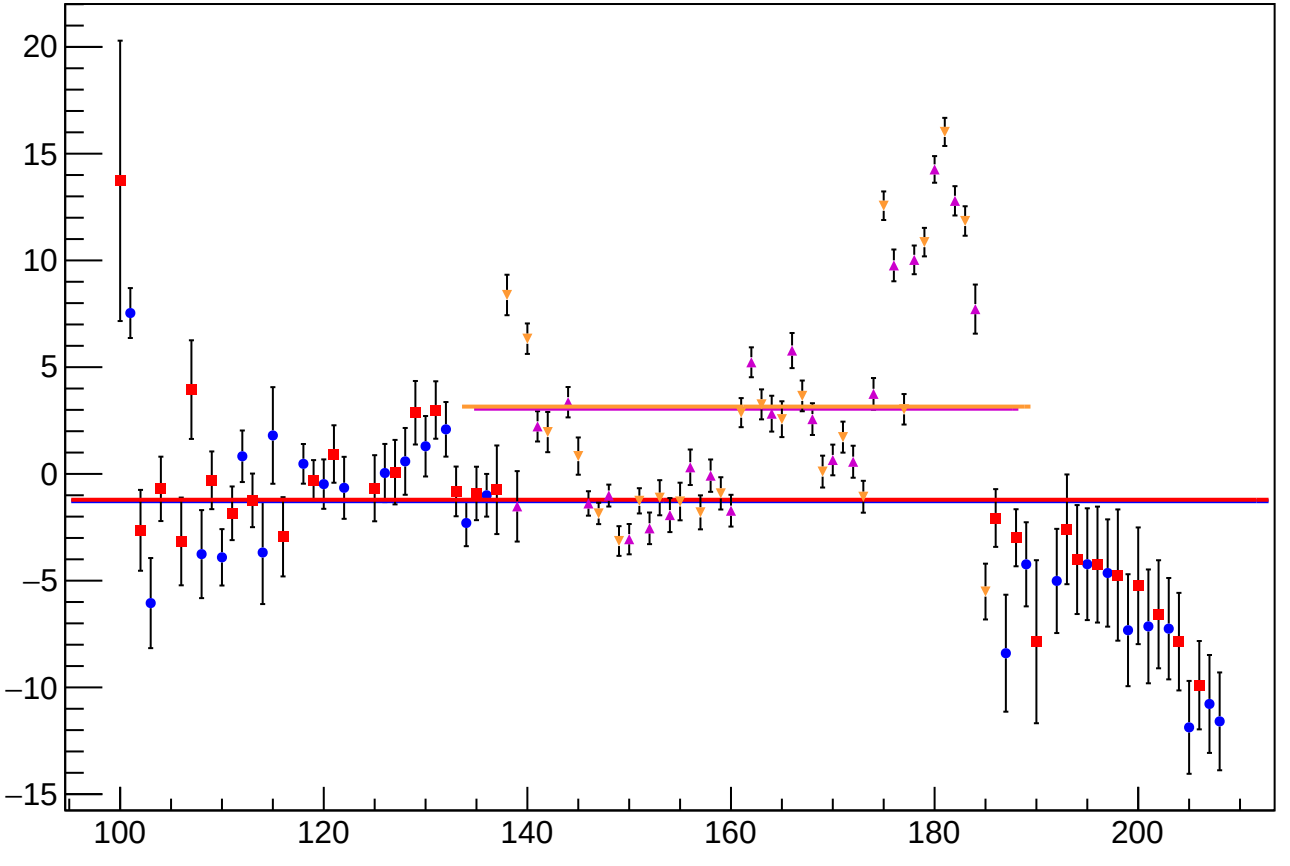
In: -39.837+/-0.011 χ^2/NDF:130565.3/49

Out: -40.210+/-0.011 χ^2/NDF:178433.1/52

All: -40.022+/-0.008 χ^2/NDF: 309534.8/102


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.496+/-0.267 χ²/NDF: 980.6/26
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 9.660+/-0.257 χ²/NDF: 2387.1/28
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.622+/-0.185 χ²/NDF: 3401.8/55
In: -5.192+/-0.158 χ²/NDF:6615.6/49
Out: -4.859+/-0.154 χ²/NDF:10264.7/52
All: -5.021+/-0.110 χ²/NDF: 16882.6/102

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278+/-0.301 χ^2/NDF: 183.0/26

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.210+/-0.303 χ^2/NDF: 77.2/28

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

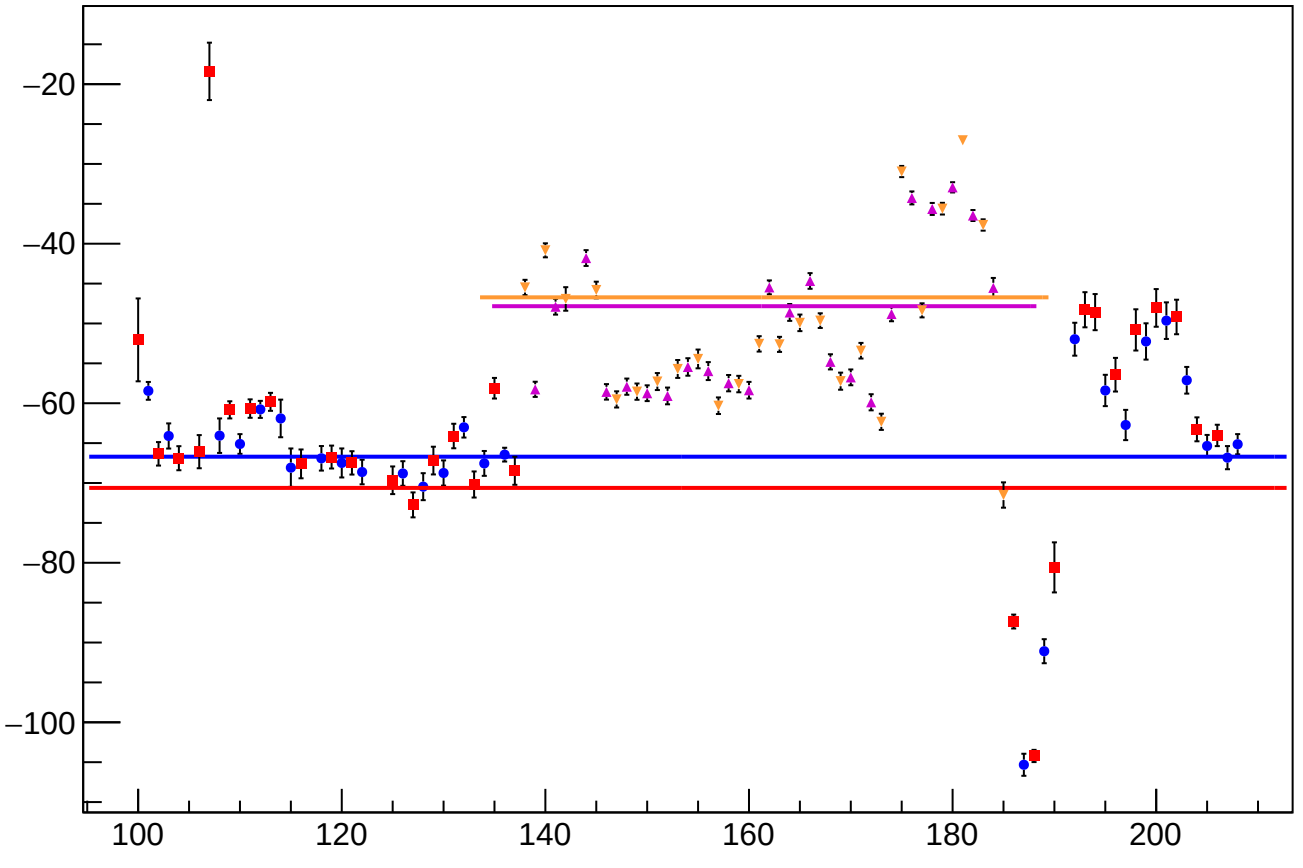
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.244+/-0.214 χ^2/NDF: 260.2/55

In: 2.176+/-0.136 χ^2/NDF:1492.9/49

Out: 2.304+/-0.134 χ^2/NDF:1628.9/52

All: 2.241+/-0.095 χ^2/NDF: 3122.3/102



Right In: -66.702+/-0.288 χ^2/NDF: 1362.2/26

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.615+/-0.277 χ^2/NDF: 3467.3/28

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

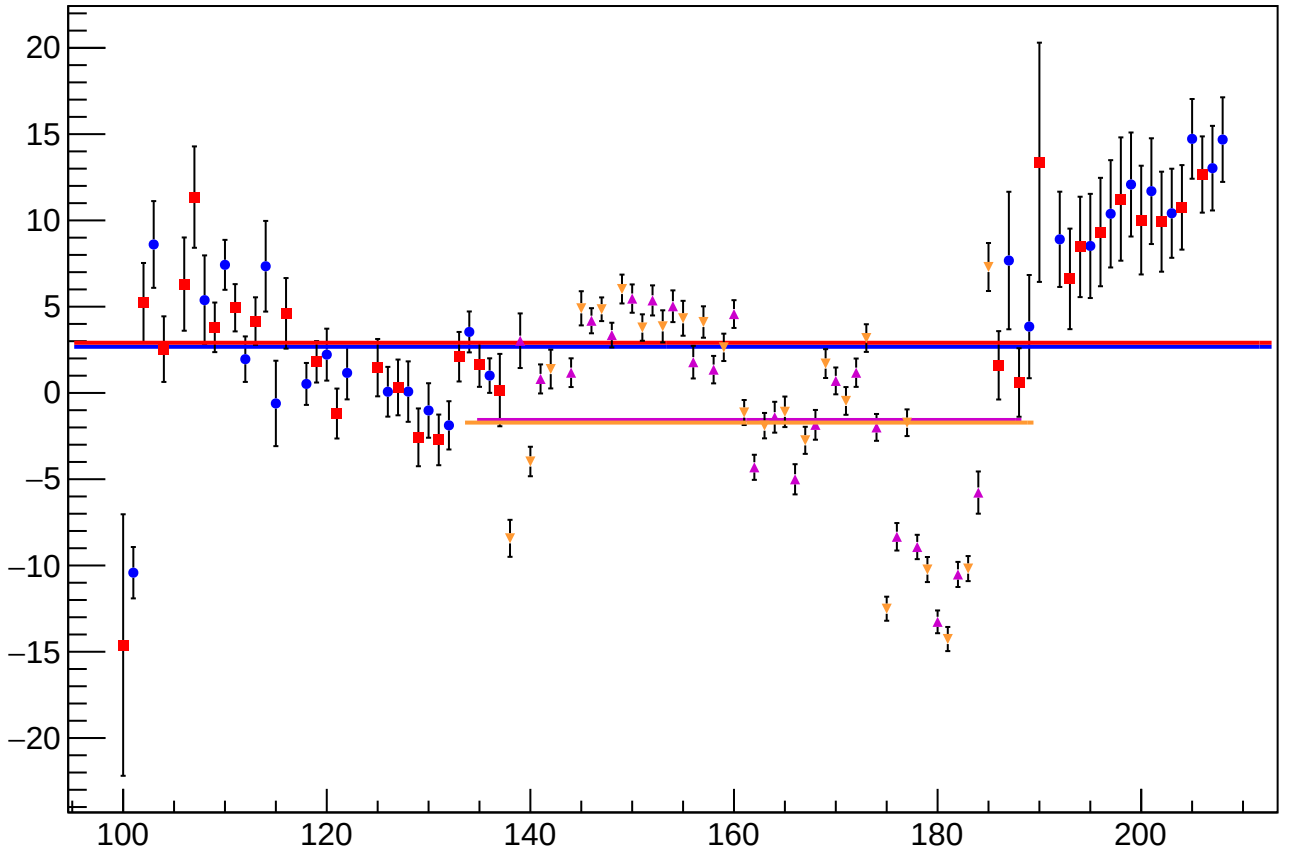
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.730+/-0.200 χ^2/NDF: 4925.3/55

In: -53.724+/-0.161 χ^2/NDF:6876.6/49

Out: -54.435+/-0.158 χ^2/NDF:11934.4/52

All: -54.087+/-0.113 χ^2/NDF: 18821.0/102



Right In: 2.676+/-0.343 χ^2/NDF: 242.1/26

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.909+/-0.351 χ^2/NDF: 120.6/28

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

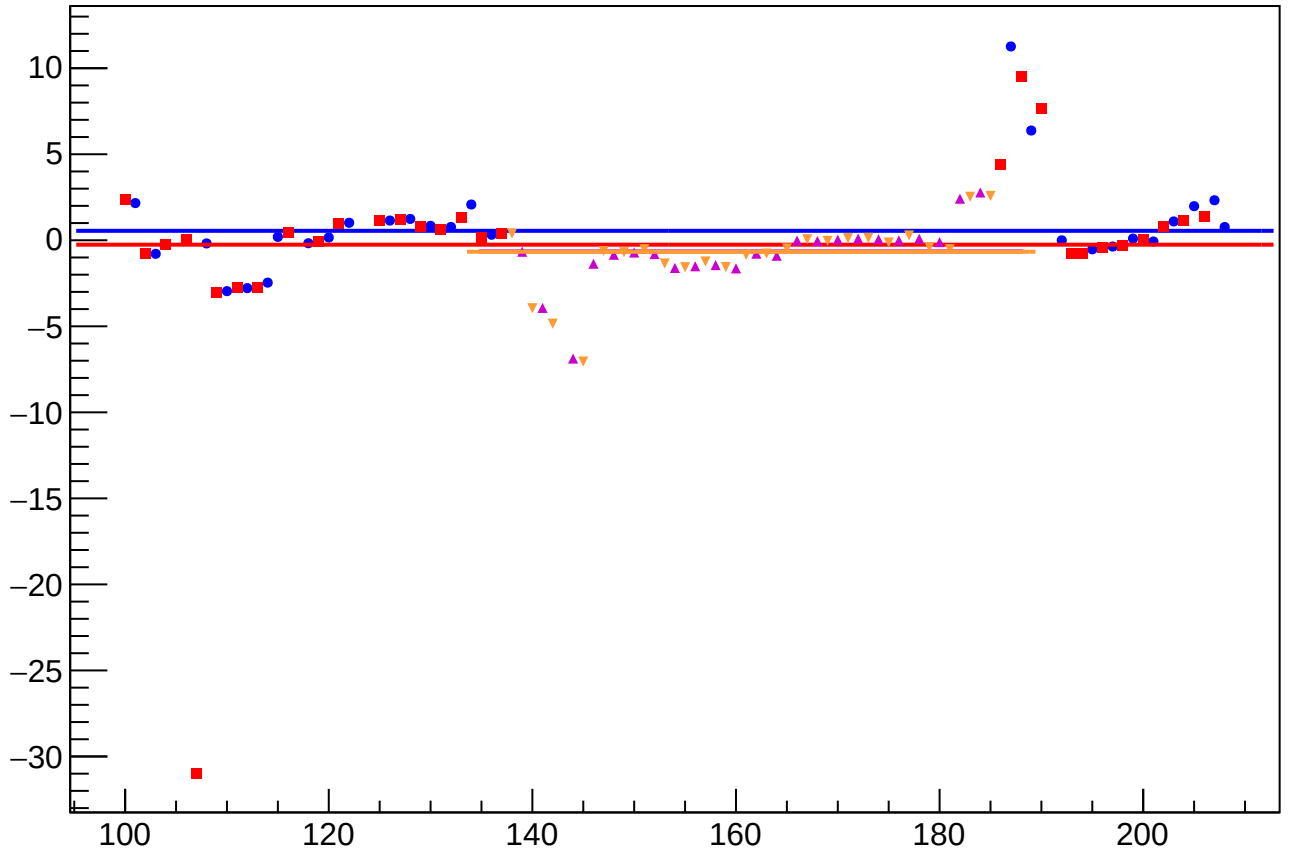
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.789+/-0.245 χ^2/NDF: 362.9/55

In: -0.726+/-0.153 χ^2/NDF:1482.3/49

Out: -0.857+/-0.151 χ^2/NDF:1668.2/52

All: -0.792+/-0.108 χ^2/NDF: 3150.9/102



Right In: 0.550+/-0.017 χ^2/NDF: 10285.8/26

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.256+/-0.018 χ^2/NDF: 60728.3/28

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

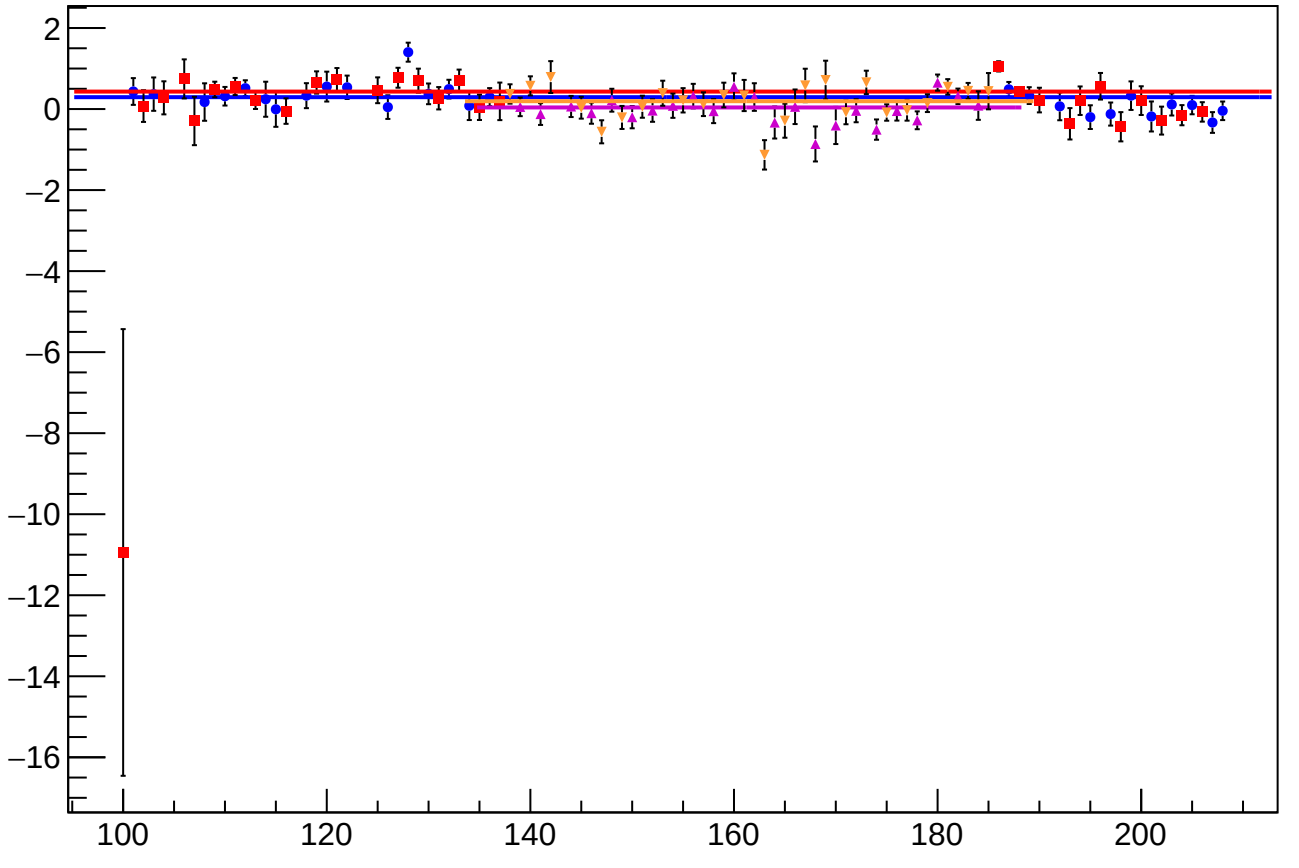
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.160+/-0.012 χ^2/NDF: 72064.5/55

In: -0.455+/-0.007 χ^2/NDF:59871.7/49

Out: -0.604+/-0.007 χ^2/NDF:116452.9/52

All: -0.529+/-0.005 χ^2/NDF: 176557.1/102



Right In: 0.293+/-0.052 χ^2/NDF: 45.2/26

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.431+/-0.047 χ^2/NDF: 68.4/28

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

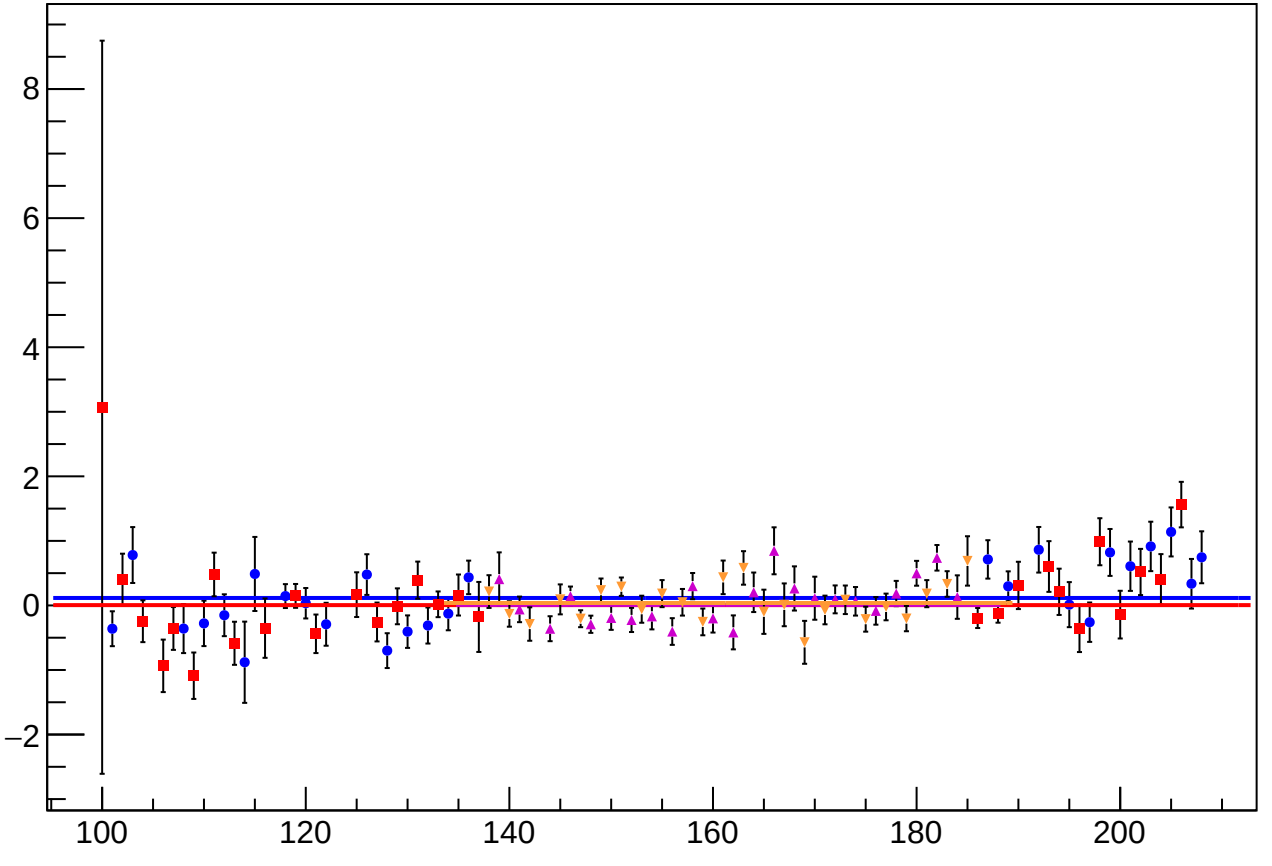
Right: 0.369+/-0.035 χ^2/NDF: 117.5/55

In: 0.179+/-0.039 χ^2/NDF:86.3/49

Out: 0.335+/-0.036 χ^2/NDF:123.0/52

All: 0.262+/-0.026 χ^2/NDF: 218.0/102

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.116+/-0.059 χ^2/NDF: 63.6/26

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.005+/-0.054 χ^2/NDF: 66.1/28

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

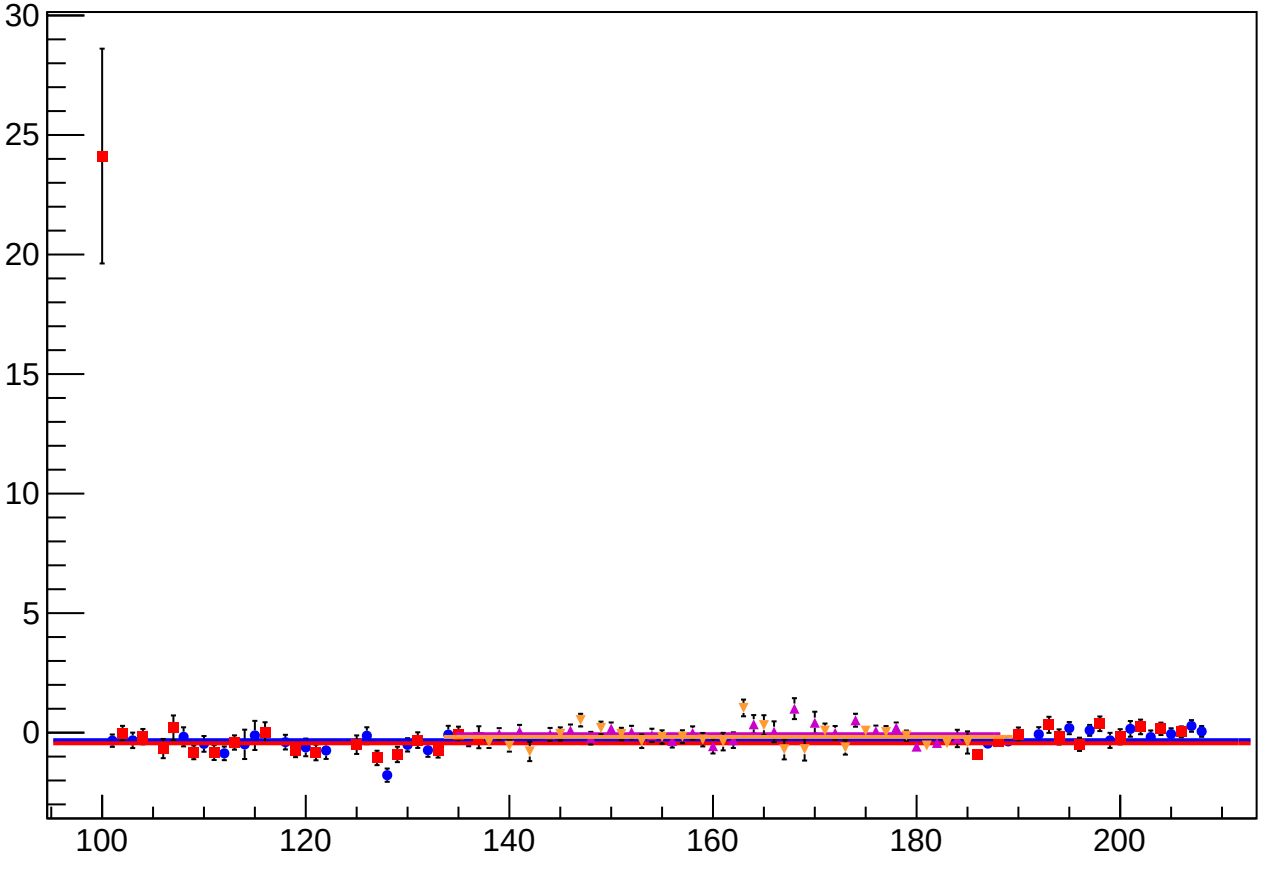
Right: 0.056+/-0.040 χ^2/NDF: 131.5/55

In: 0.047+/-0.035 χ^2/NDF:117.1/49

Out: 0.025+/-0.034 χ^2/NDF:99.1/52

All: 0.036+/-0.024 χ^2/NDF: 216.3/102

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.315+/-0.052 χ^2/NDF: 58.6/26

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.444+/-0.045 χ^2/NDF: 100.8/28

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

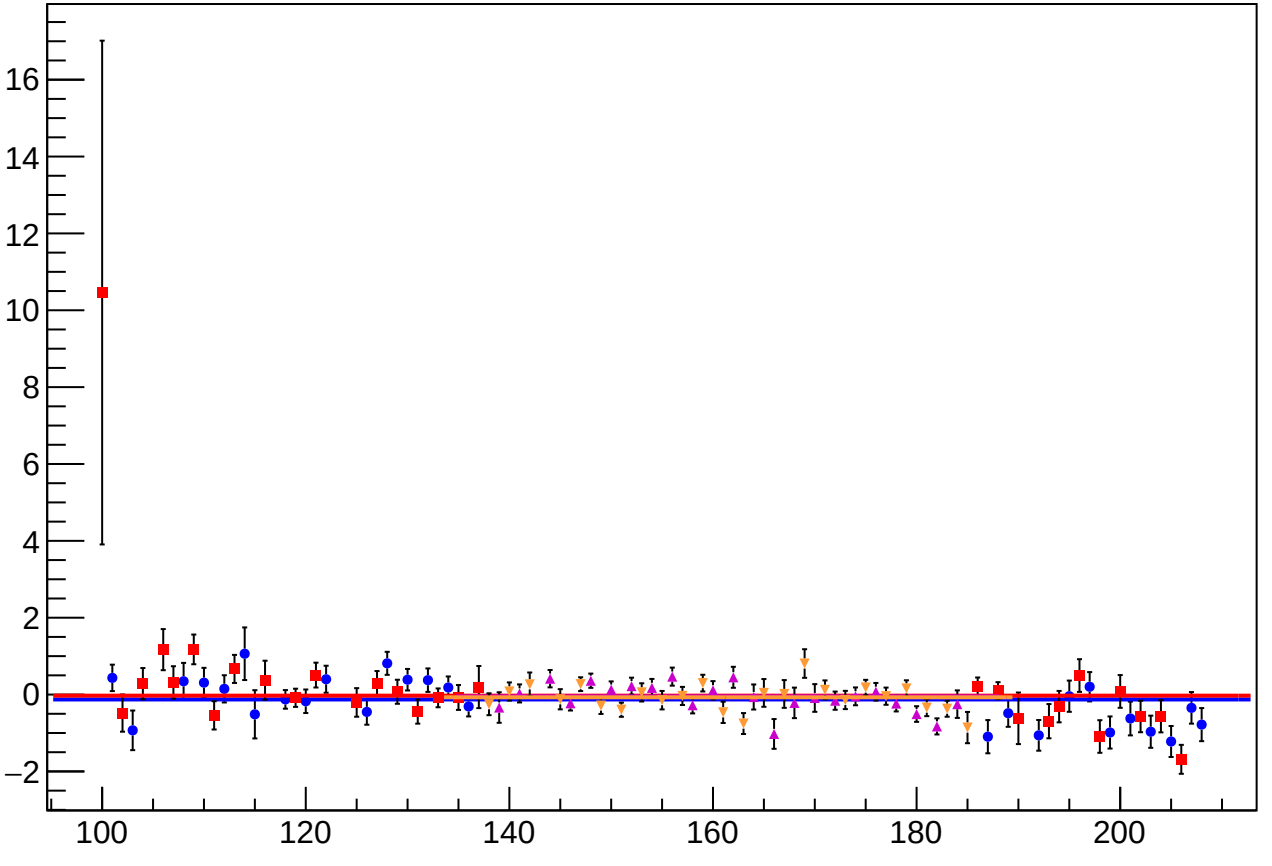
Right: -0.390+/-0.034 χ^2/NDF: 162.9/55

In: -0.201+/-0.038 χ^2/NDF:100.5/49

Out: -0.341+/-0.035 χ^2/NDF:156.6/52

All: -0.278+/-0.026 χ^2/NDF: 264.3/102

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.128+/-0.069 χ^2/NDF: 64.0/26

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.028+/-0.066 χ^2/NDF: 67.3/28

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

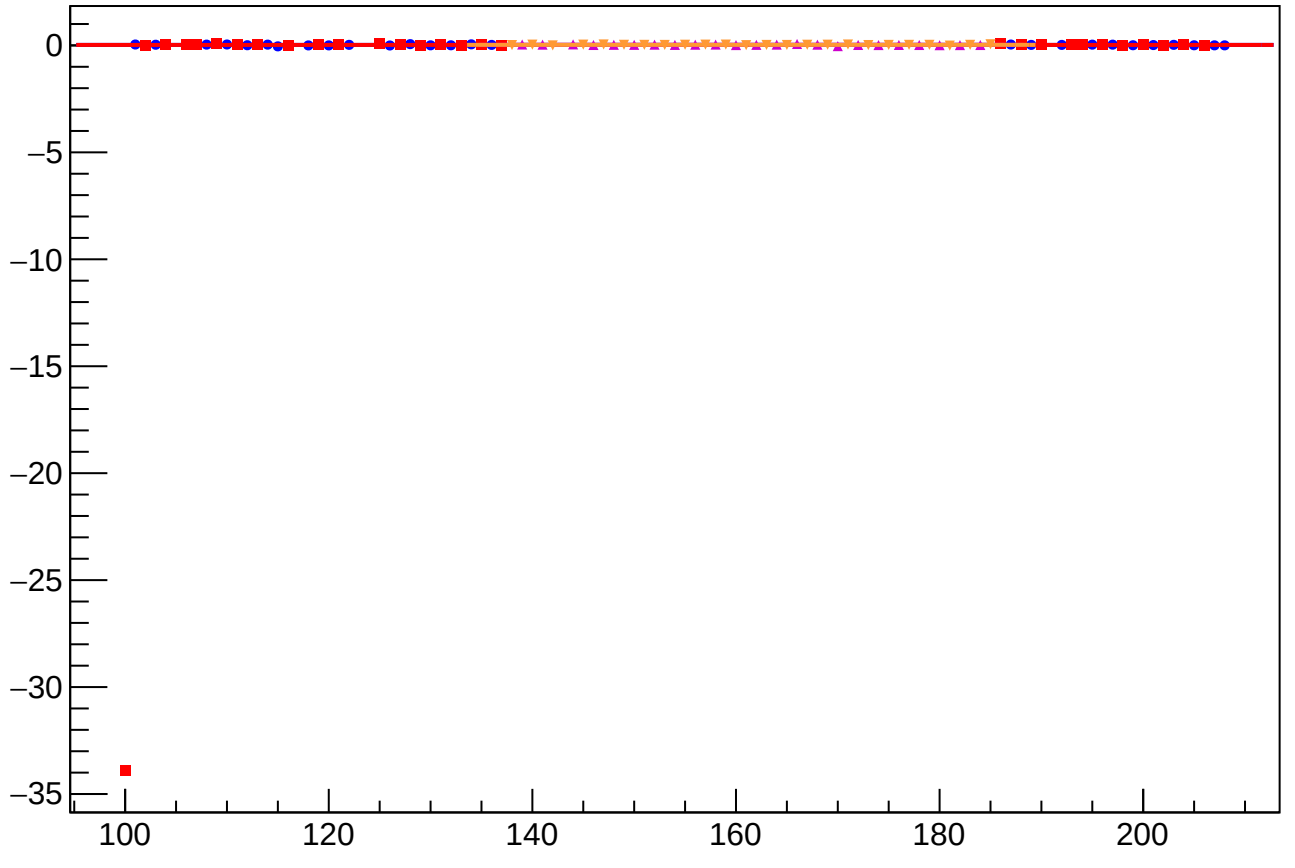
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.076+/-0.048 χ^2/NDF: 132.3/55

In: -0.075+/-0.041 χ^2/NDF:115.3/49

Out: -0.056+/-0.040 χ^2/NDF:105.3/52

All: -0.065+/-0.028 χ^2/NDF: 220.7/102



Right In: 0.023+/-0.003 χ^2/NDF: 23.7/26

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.0/28

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

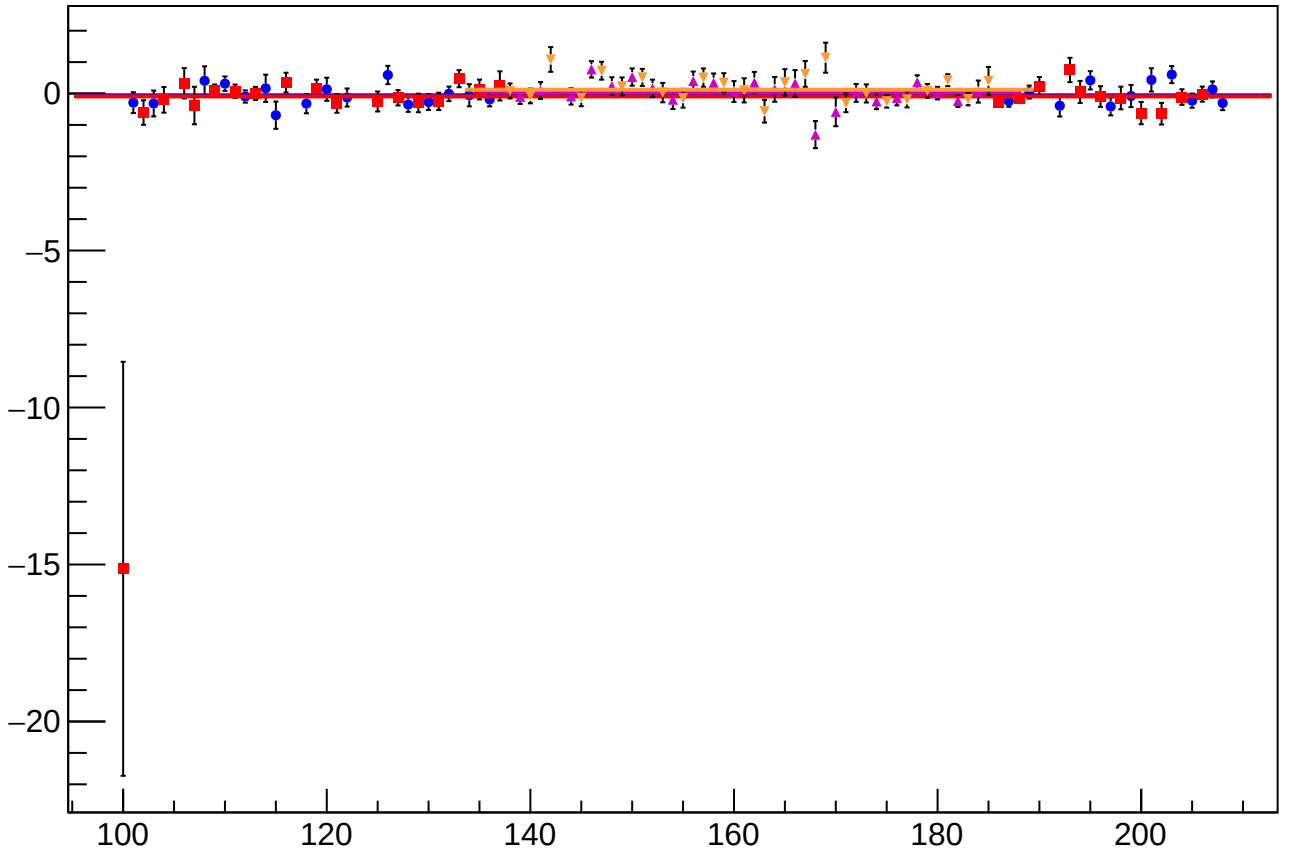
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.023+/-0.002 χ^2/NDF: 22338.8/55

In: 0.025+/-0.002 χ^2/NDF:63.7/49

Out: 0.025+/-0.002 χ^2/NDF:22347.6/52

All: 0.025+/-0.001 χ^2/NDF: 22411.3/102



Right In: -0.057+/-0.052 χ^2/NDF: 31.8/26

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.092+/-0.047 χ^2/NDF: 33.6/28

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

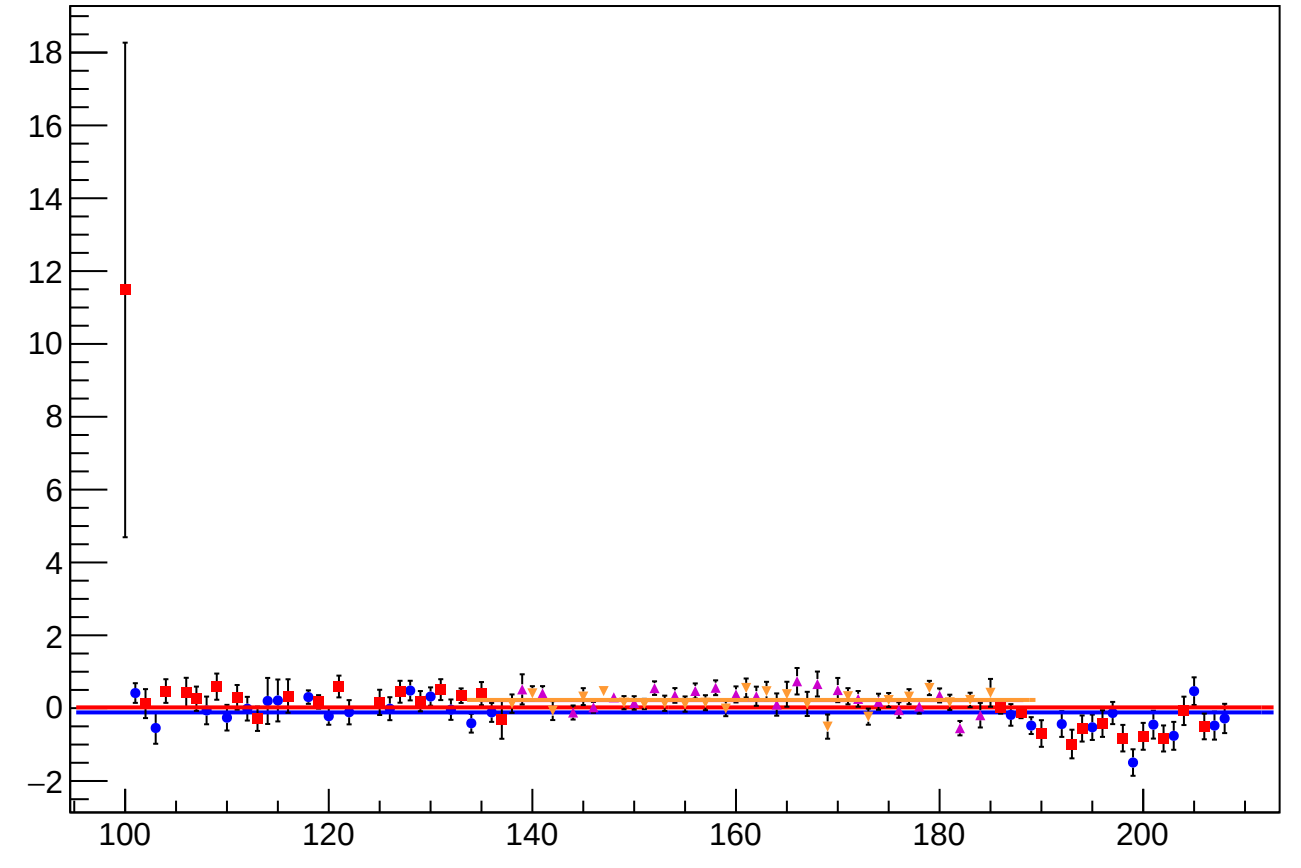
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.077+/-0.035 χ^2/NDF: 65.7/55

In: -0.003+/-0.039 χ^2/NDF:68.5/49

Out: -0.005+/-0.036 χ^2/NDF:81.7/52

All: -0.004+/-0.026 χ^2/NDF: 150.1/102



Right In: -0.117+/-0.059 χ^2/NDF: 46.6/26

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.021+/-0.054 χ^2/NDF: 58.4/28

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

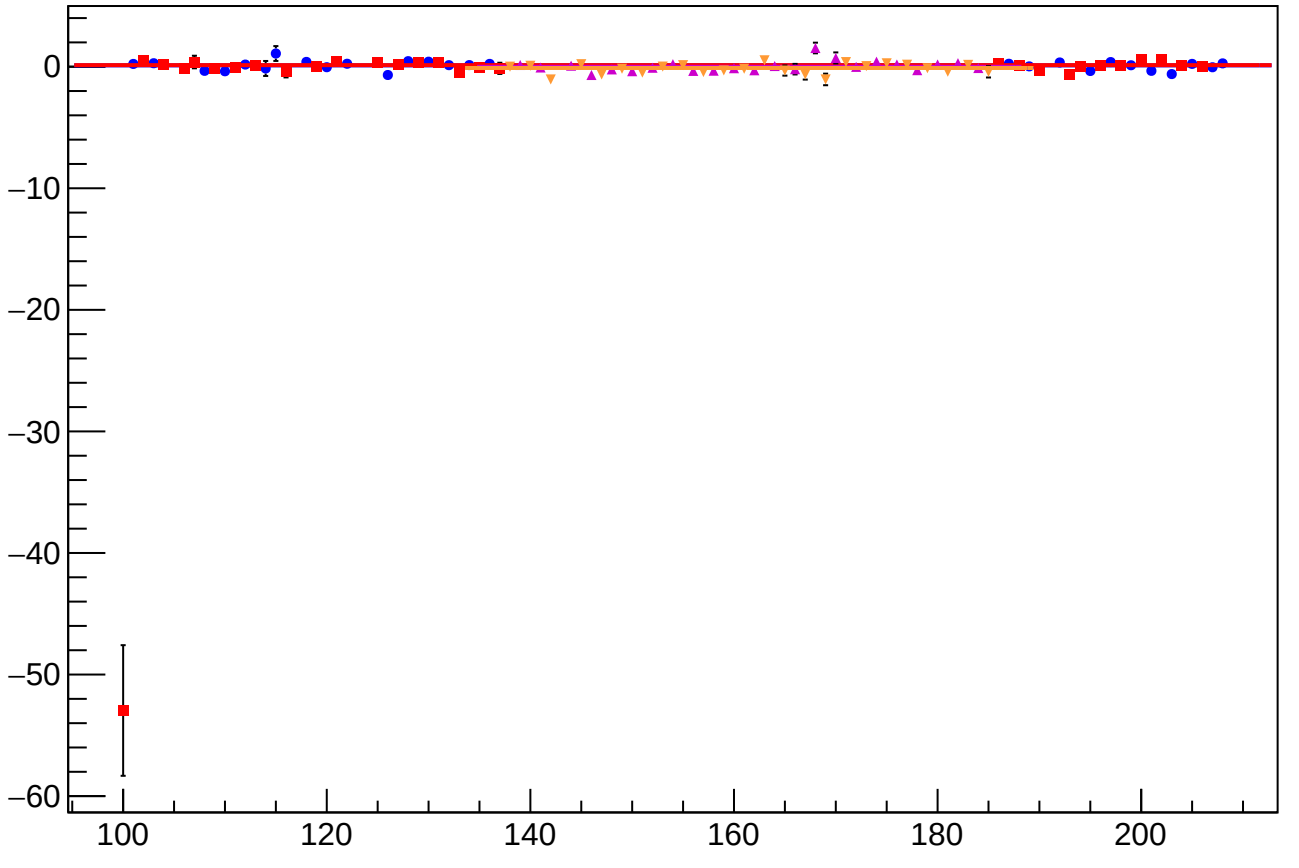
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.042+/-0.040 χ^2/NDF: 107.9/55

In: 0.100+/-0.035 χ^2/NDF:106.9/49

Out: 0.146+/-0.034 χ^2/NDF:91.1/52

All: 0.124+/-0.024 χ^2/NDF: 198.9/102



Right In: 0.110+/-0.052 χ^2/NDF: 32.1/26

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.129+/-0.045 χ^2/NDF: 122.8/28

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

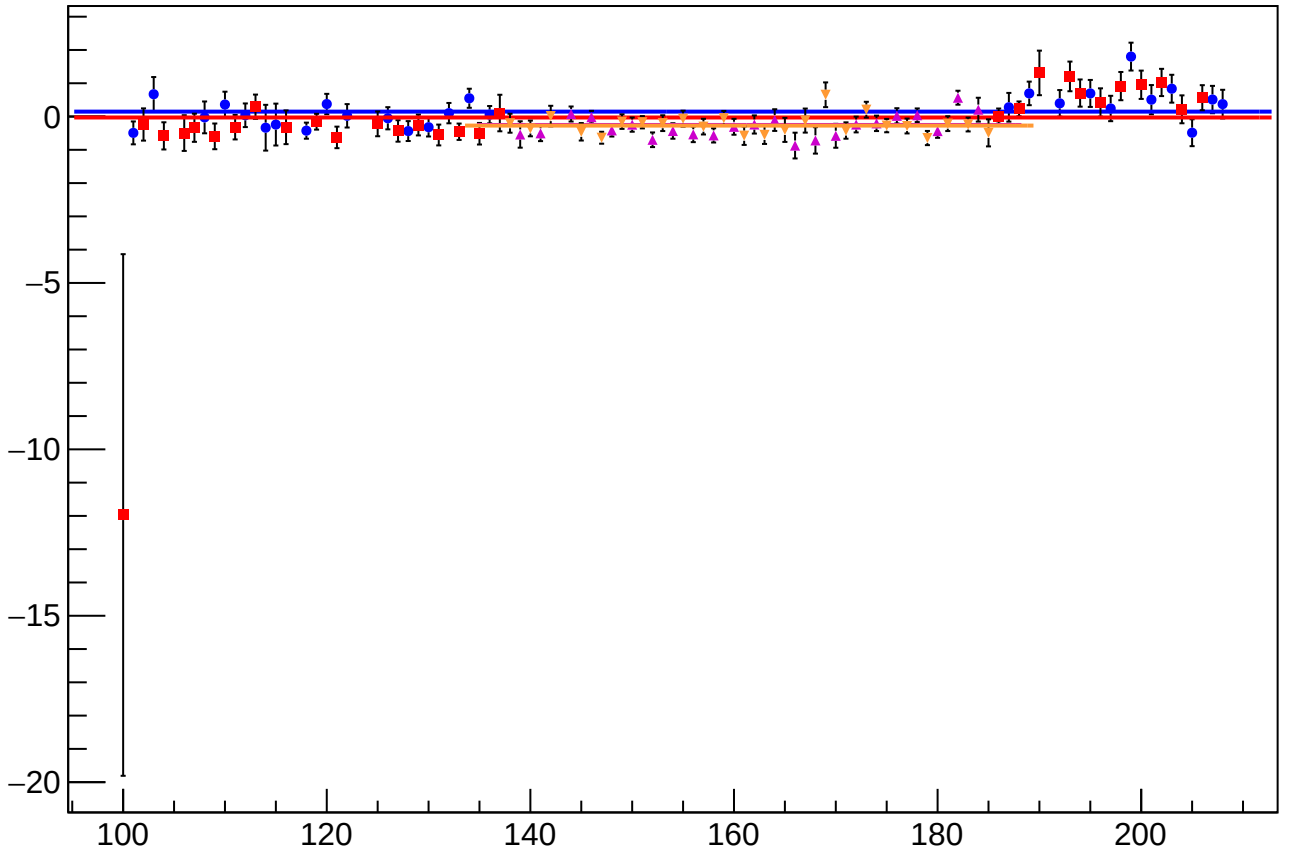
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.121+/-0.034 χ^2/NDF: 154.9/55

In: 0.055+/-0.038 χ^2/NDF:72.4/49

Out: 0.038+/-0.035 χ^2/NDF:170.9/52

All: 0.046+/-0.026 χ^2/NDF: 243.5/102



Right In: 0.148+/-0.069 χ^2/NDF: 48.5/26

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.029+/-0.066 χ^2/NDF: 61.0/28

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

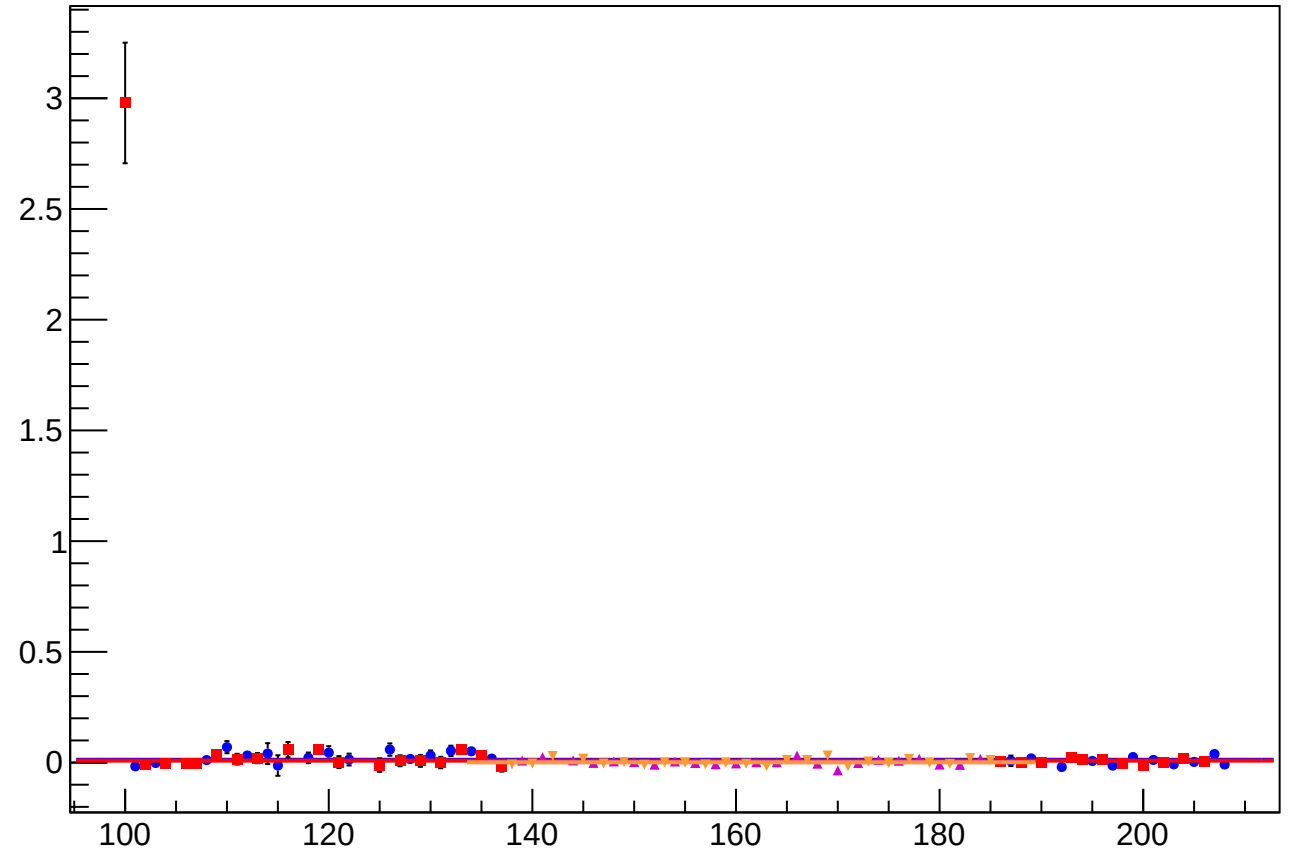
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.056+/-0.048 χ^2/NDF: 112.8/55

In: -0.115+/-0.041 χ^2/NDF:111.2/49

Out: -0.185+/-0.040 χ^2/NDF:94.4/52

All: -0.151+/-0.028 χ^2/NDF: 207.1/102



Right In: 0.013+/-0.003 χ^2/NDF: 44.3/26

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.7/28

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

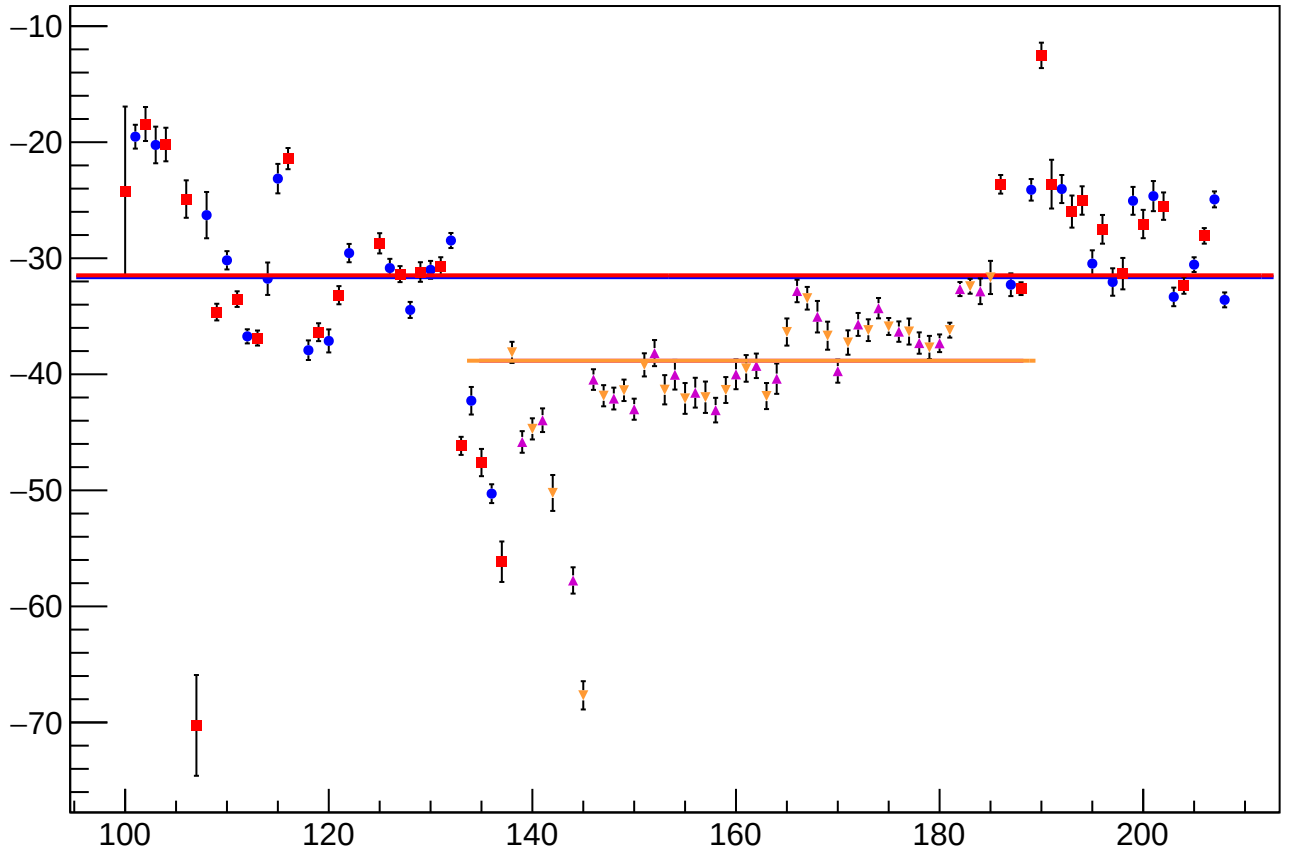
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 194.7/55

In: 0.006+/-0.002 χ^2/NDF:75.8/49

Out: 0.004+/-0.002 χ^2/NDF:180.3/52

All: 0.005+/-0.001 χ^2/NDF: 256.6/102



Right In: -31.629+/-0.168 χ^2/NDF: 1339.6/26

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.472+/-0.168 χ^2/NDF: 1792.2/29

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

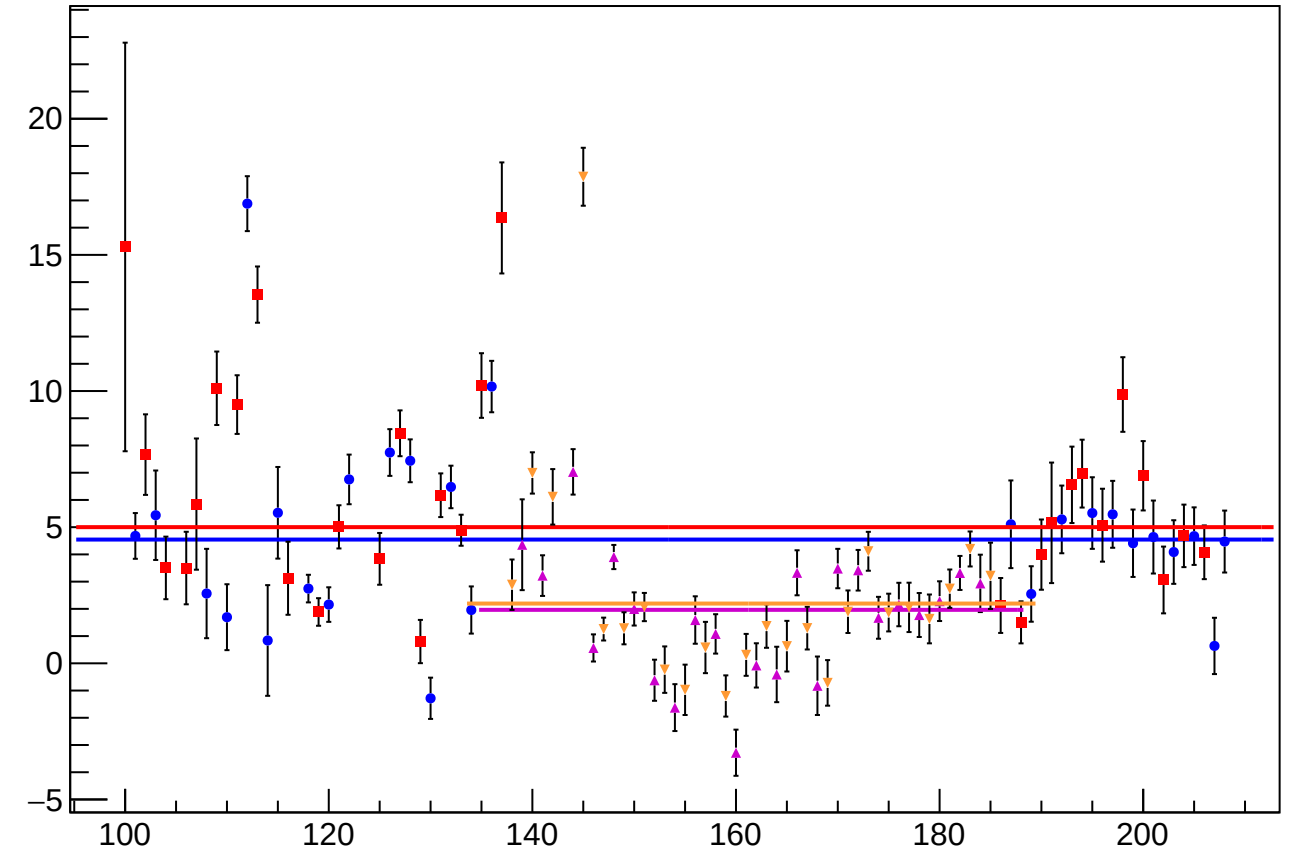
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.550+/-0.119 χ^2/NDF: 3132.3/56

In: -34.561+/-0.130 χ^2/NDF:2738.0/49

Out: -34.474+/-0.129 χ^2/NDF:3494.1/53

All: -34.517+/-0.091 χ^2/NDF: 6232.3/103



Right In: 4.545+/-0.187 χ^2/NDF: 350.3/26

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.001+/-0.186 χ^2/NDF: 298.0/29

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

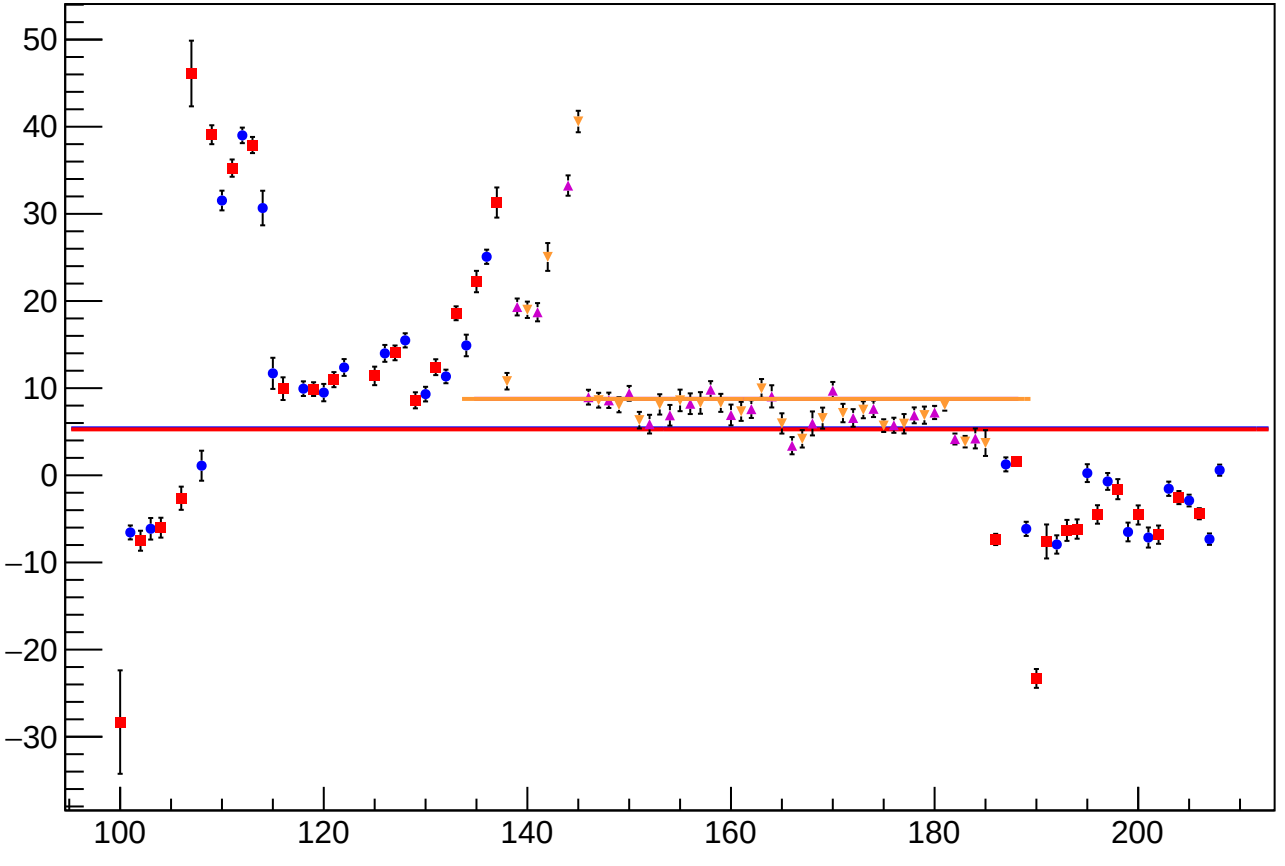
Right: 4.774+/-0.132 χ^2/NDF: 651.3/56

In: 3.013+/-0.119 χ^2/NDF:636.6/49

Out: 3.318+/-0.118 χ^2/NDF:799.2/53

All: 3.167+/-0.084 χ^2/NDF: 1439.1/103

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.388+/-0.175 χ^2/NDF: 4846.6/26

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 5.271+/-0.172 χ^2/NDF: 6602.3/29

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

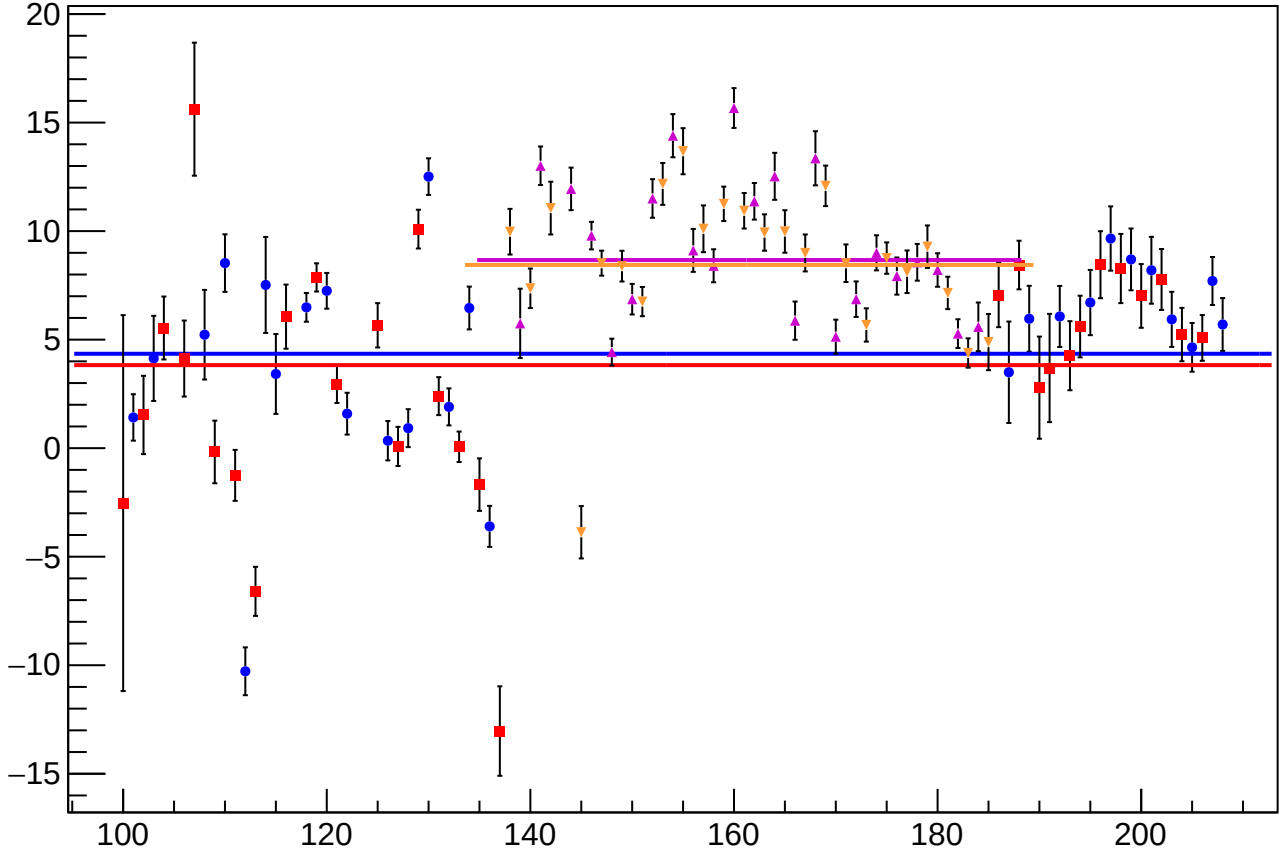
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 5.328+/-0.123 χ^2/NDF: 11449.2/56

In: 6.847+/-0.132 χ^2/NDF:5802.4/49

Out: 6.755+/-0.131 χ^2/NDF:7812.5/53

All: 6.801+/-0.093 χ^2/NDF: 13615.1/103



Right In: 4.349+/-0.216 χ^2/NDF: 485.1/26

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.825+/-0.219 χ^2/NDF: 416.3/29

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

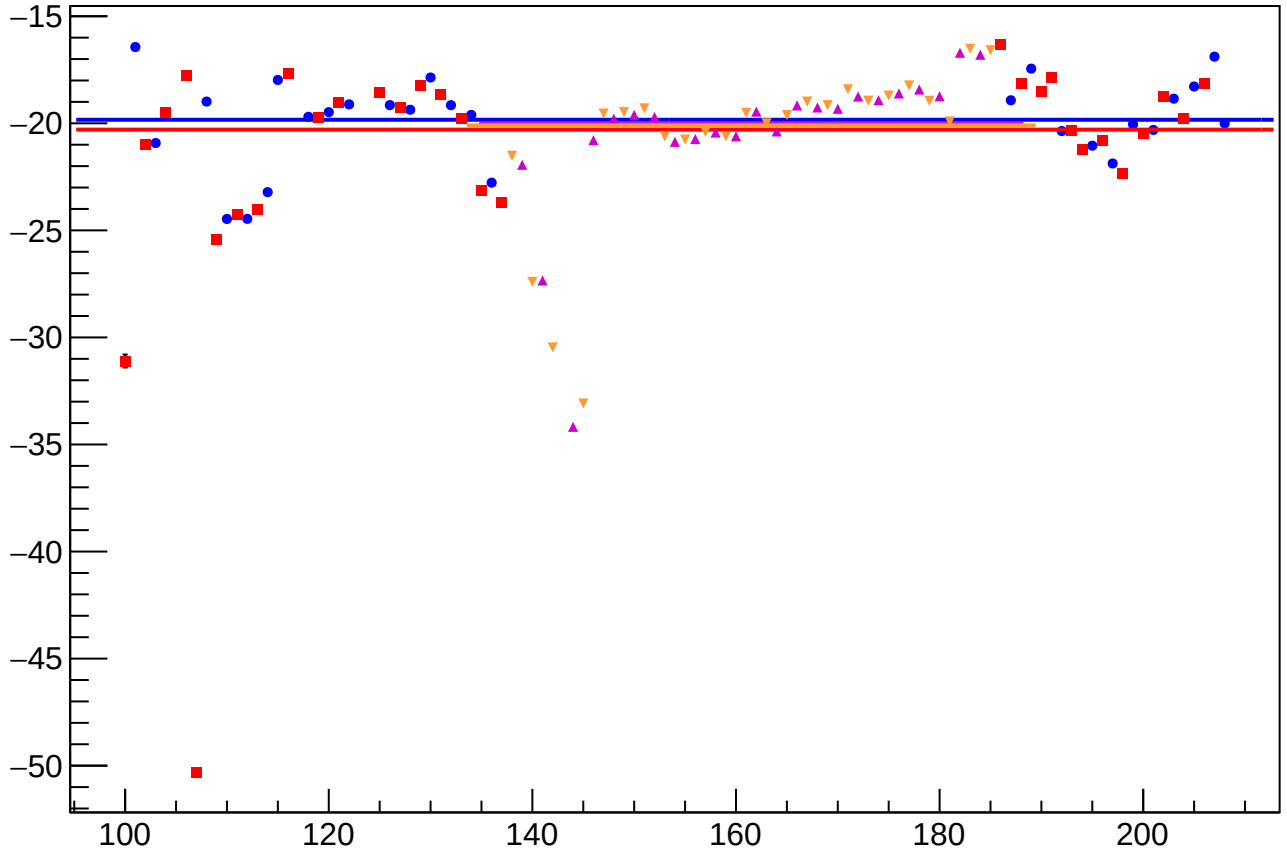
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.090+/-0.154 χ^2/NDF: 904.3/56

In: 6.950+/-0.136 χ^2/NDF:1030.0/49

Out: 6.656+/-0.136 χ^2/NDF:954.3/53

All: 6.803+/-0.096 χ^2/NDF: 1986.7/103



Right In: -19.835+/-0.011 χ^2/NDF: 31006.7/26

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.296+/-0.011 χ^2/NDF: 71472.4/29

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

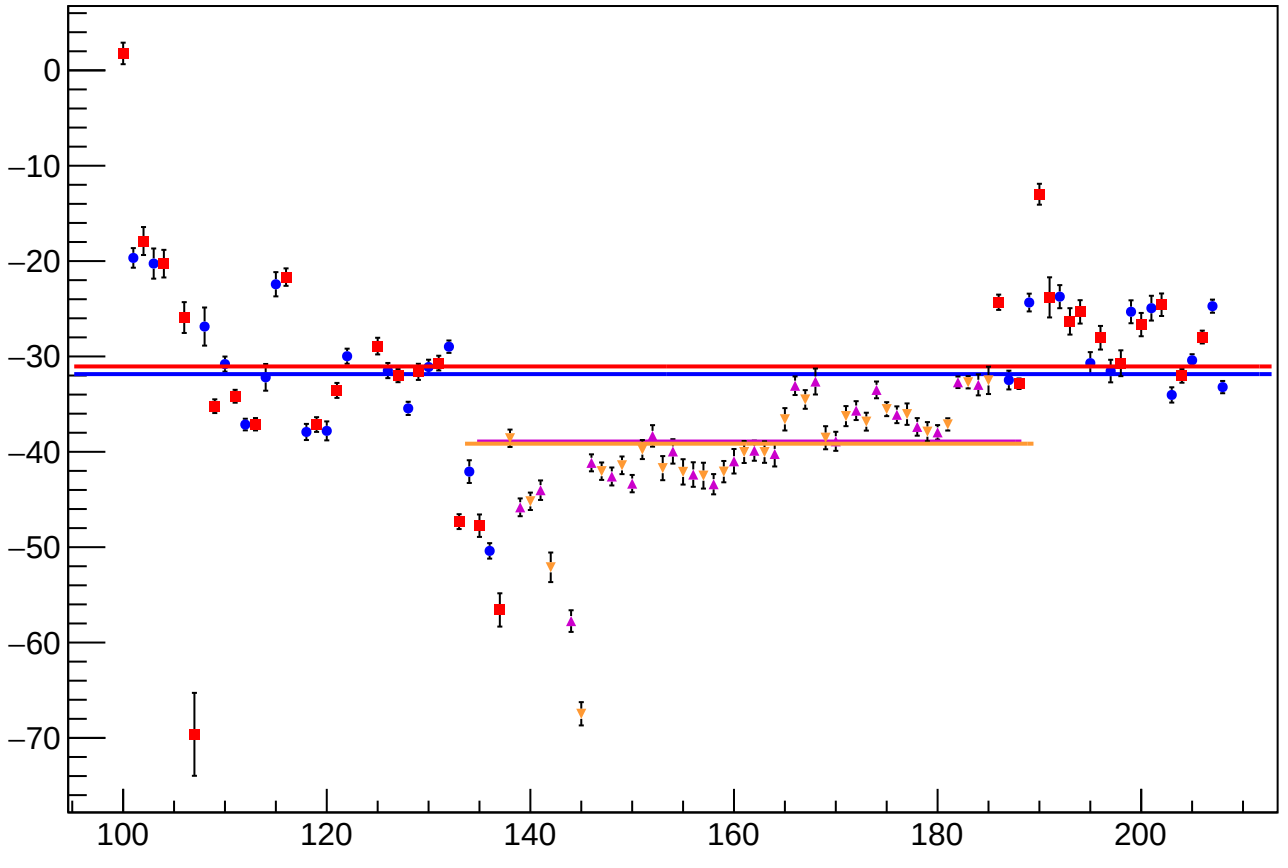
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.065+/-0.008 χ^2/NDF: 103391.7/56

In: -19.967+/-0.006 χ^2/NDF:163527.7/49

Out: -20.166+/-0.006 χ^2/NDF:230989.1/53

All: -20.066+/-0.005 χ^2/NDF: 395003.8/103



Right In: -31.852+/-0.169 χ^2/NDF: 1360.6/26

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.049+/-0.166 χ^2/NDF: 2719.1/29

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

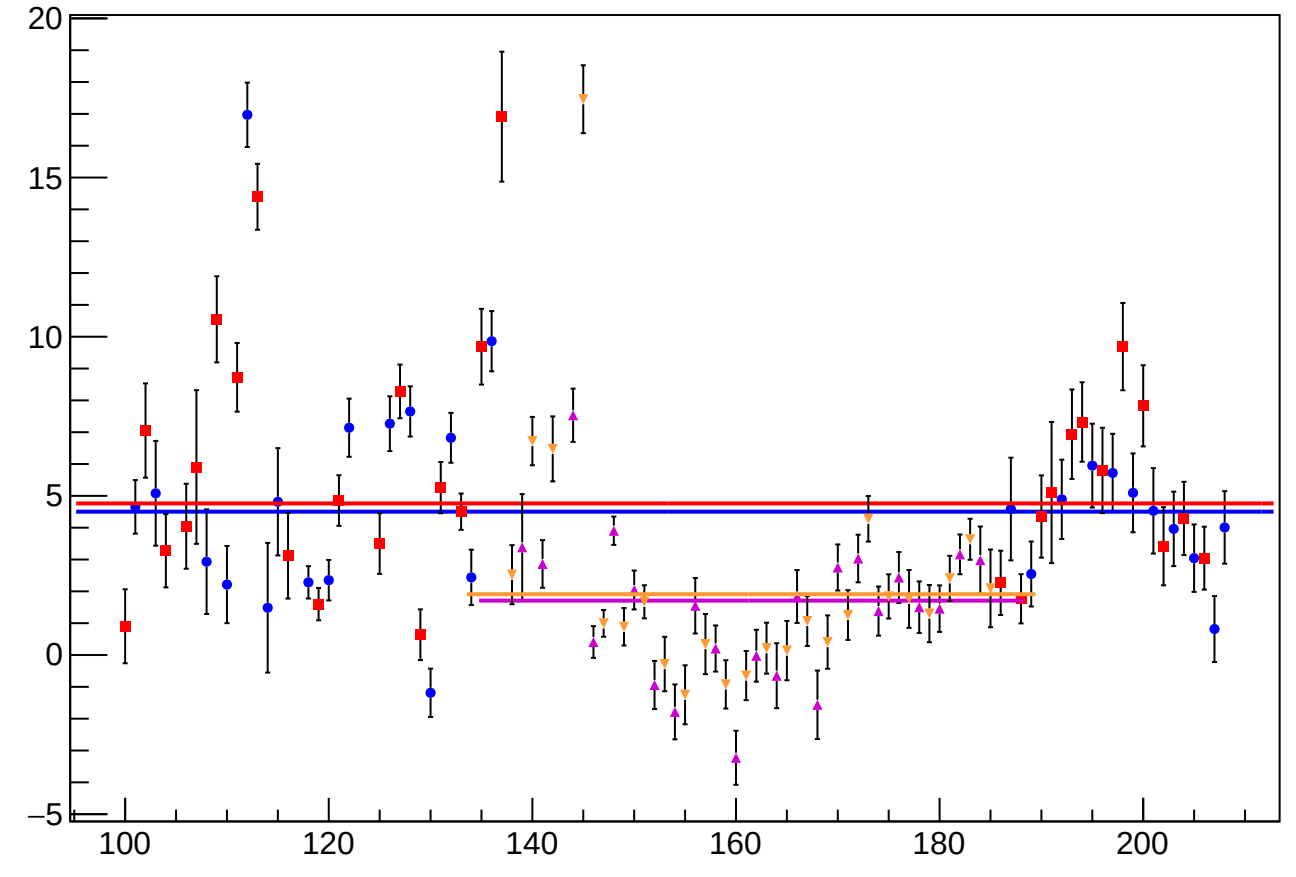
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.444+/-0.118 χ^2/NDF: 4091.2/56

In: -34.728+/-0.130 χ^2/NDF:2758.9/49

Out: -34.311+/-0.128 χ^2/NDF:4573.8/53

All: -34.517+/-0.091 χ^2/NDF: 7338.0/103



Right In: 4.503+/-0.187 χ^2/NDF: 348.1/26

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.762+/-0.184 χ^2/NDF: 325.0/29

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

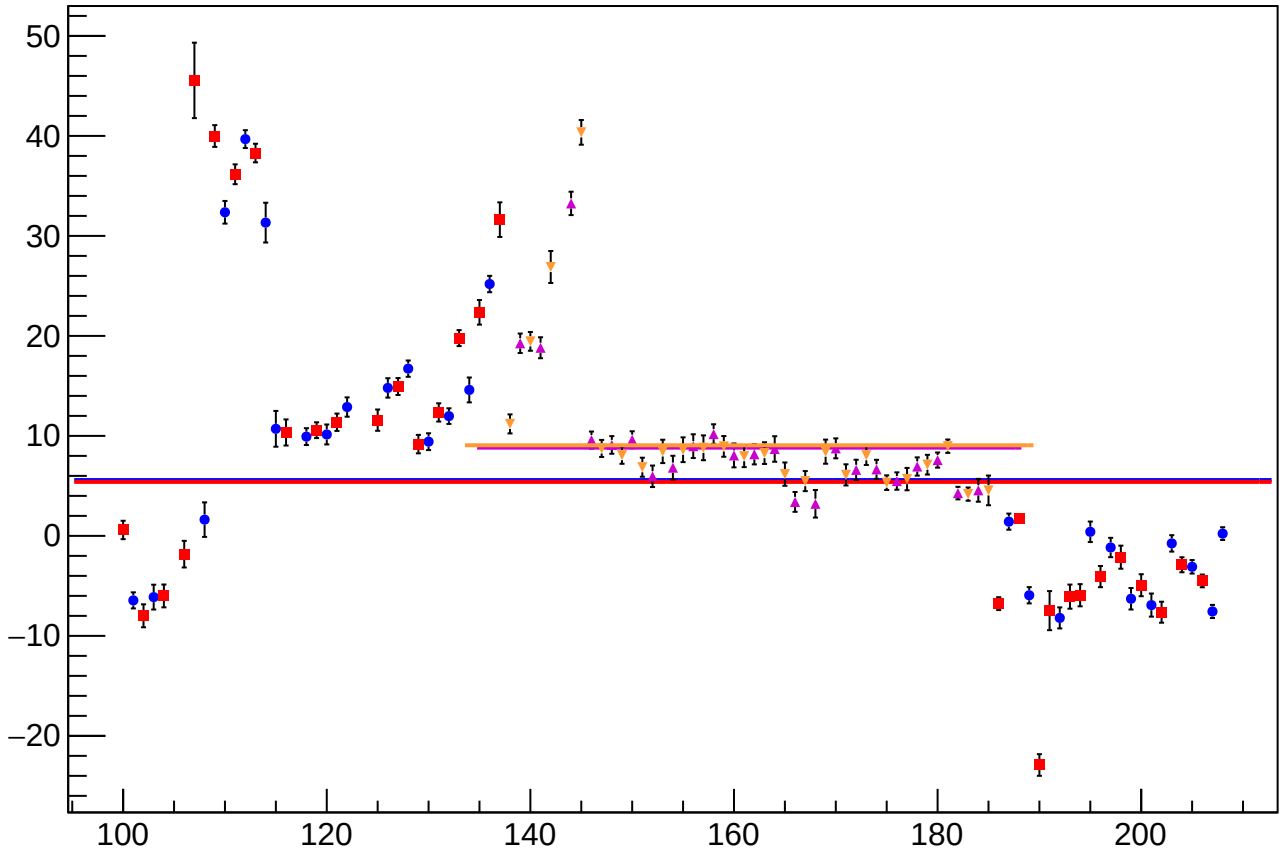
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.635+/-0.131 χ^2/NDF: 674.1/56

In: 2.844+/-0.119 χ^2/NDF:662.8/49

Out: 3.069+/-0.117 χ^2/NDF:826.4/53

All: 2.958+/-0.084 χ^2/NDF: 1491.0/103



Right In: 5.582+/-0.176 χ^2/NDF: 5011.4/26

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 5.398+/-0.170 χ^2/NDF: 6785.3/29

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

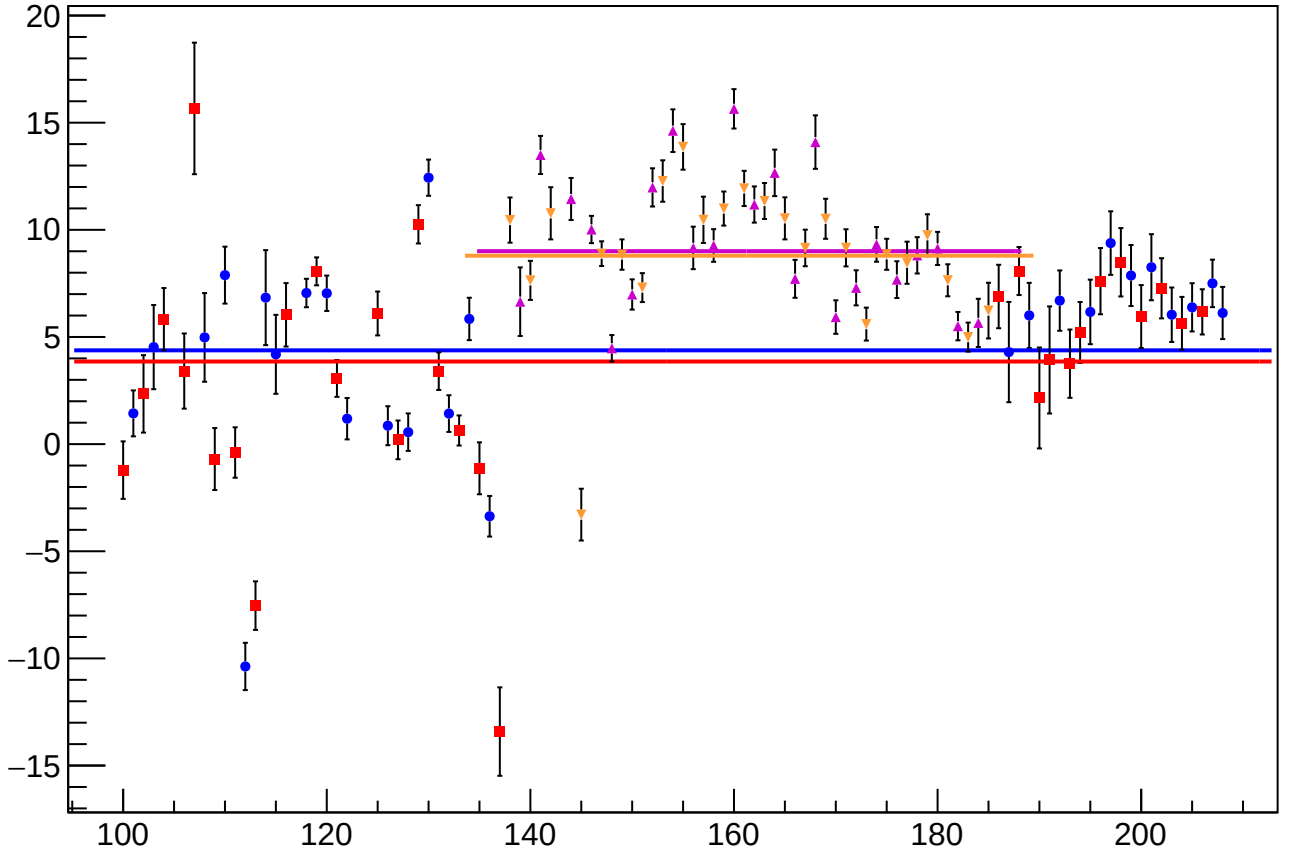
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 5.487+/-0.122 χ^2/NDF: 11797.2/56

In: 6.980+/-0.133 χ^2/NDF:5959.8/49

Out: 6.923+/-0.130 χ^2/NDF:8012.8/53

All: 6.951+/-0.093 χ^2/NDF: 13972.7/103



Right In: 4.376+/-0.217 χ^2/NDF: 481.7/26

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.855+/-0.216 χ^2/NDF: 430.1/29

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

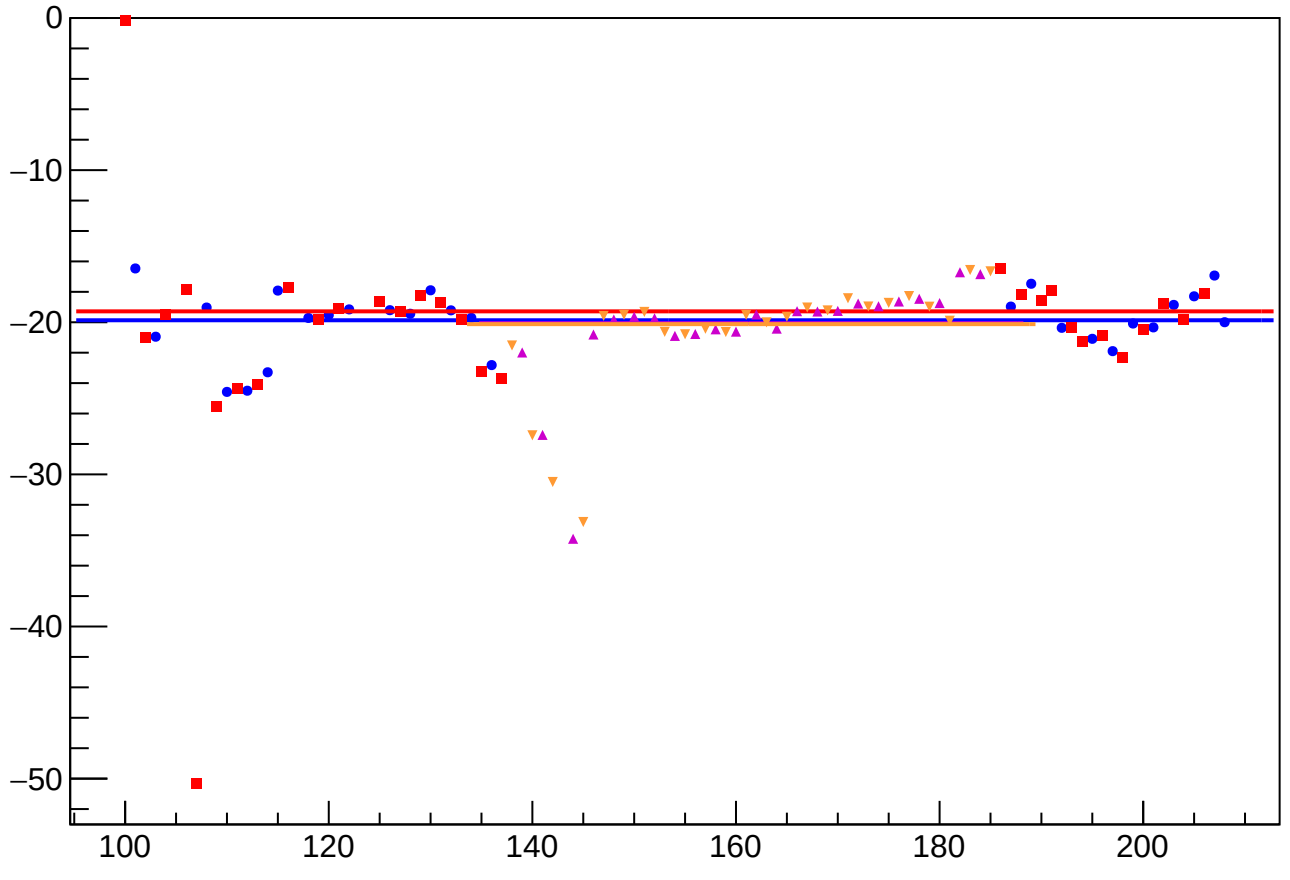
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.115+/-0.153 χ^2/NDF: 914.7/56

In: 7.164+/-0.137 χ^2/NDF:1046.1/49

Out: 6.853+/-0.135 χ^2/NDF:991.1/53

All: 7.007+/-0.096 χ^2/NDF: 2039.8/103



Right In: -19.869+/-0.011 χ^2/NDF: 31018.6/26

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.283+/-0.011 χ^2/NDF: 247532.7/29

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

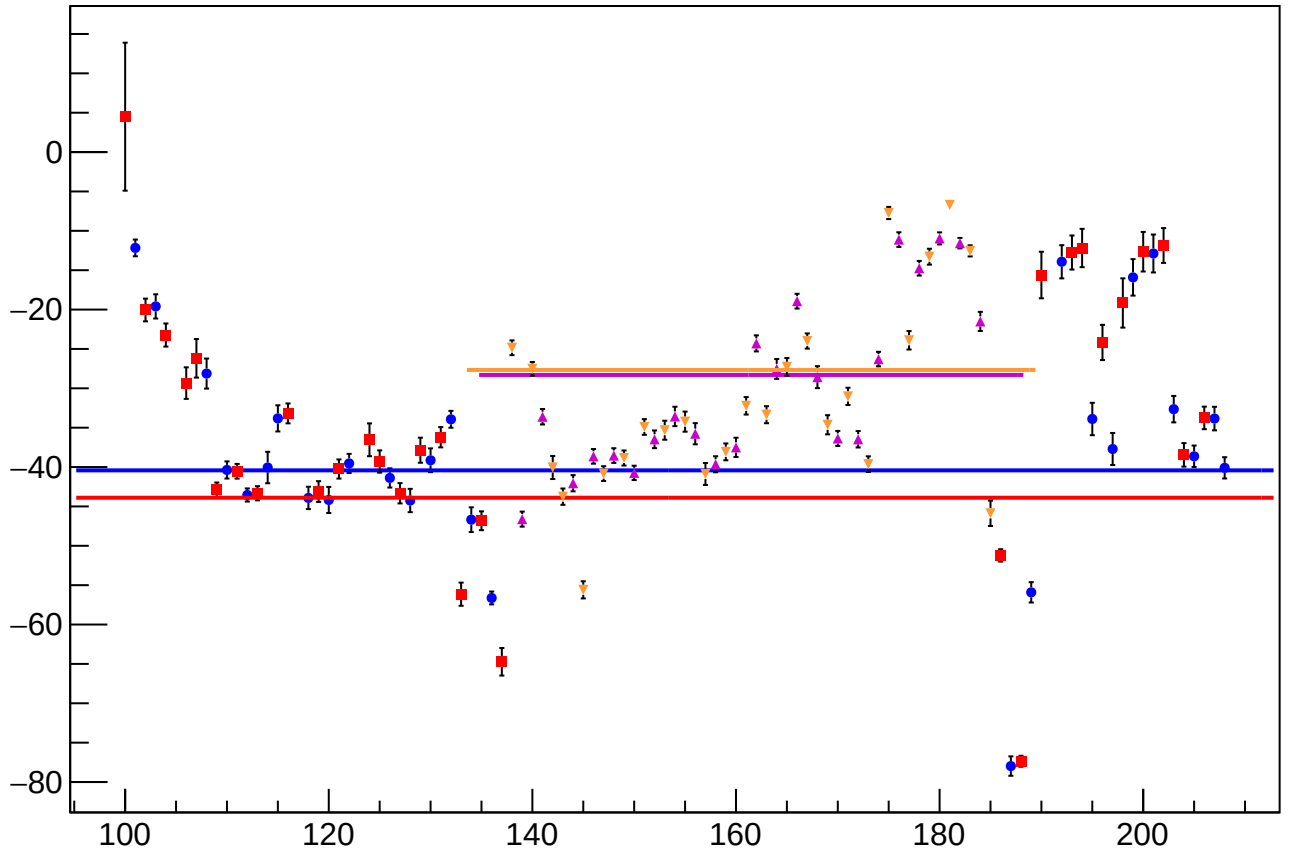
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.568+/-0.008 χ^2/NDF: 280054.3/56

In: -19.995+/-0.006 χ^2/NDF:163918.4/49

Out: -19.820+/-0.006 χ^2/NDF:410162.9/53

All: -19.907+/-0.004 χ^2/NDF: 574462.9/103



Right In: -40.420+/-0.262 χ^2/NDF: 2950.1/26

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.896+/-0.247 χ^2/NDF: 4425.4/29

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

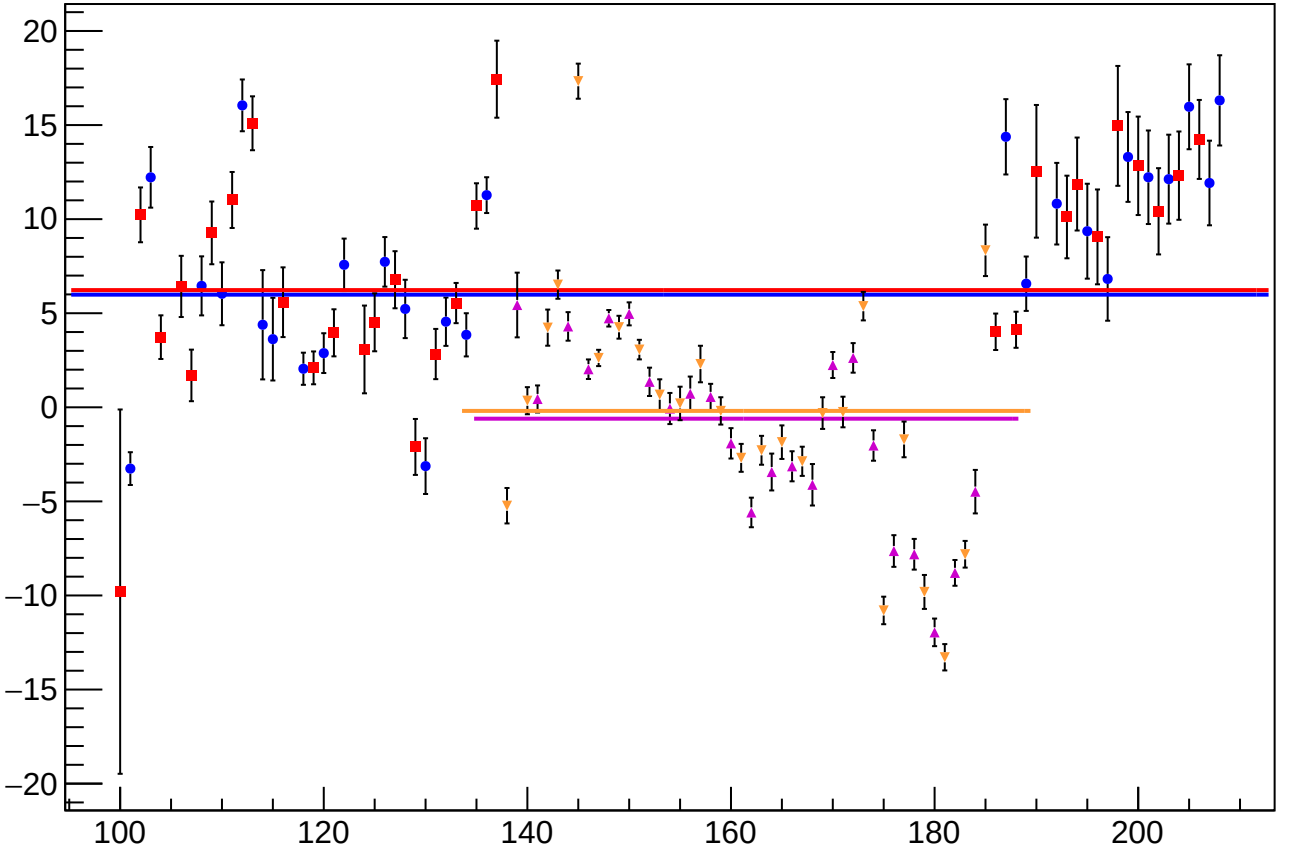
Right: -42.260+/-0.180 χ^2/NDF: 7468.7/56

In: -32.926+/-0.162 χ^2/NDF:7546.6/49

Out: -34.112+/-0.156 χ^2/NDF:11424.4/54

All: -33.542+/-0.112 χ^2/NDF: 18998.9/104

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.987+/-0.284 χ^2/NDF: 381.4/26

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.229+/-0.276 χ^2/NDF: 250.3/29

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

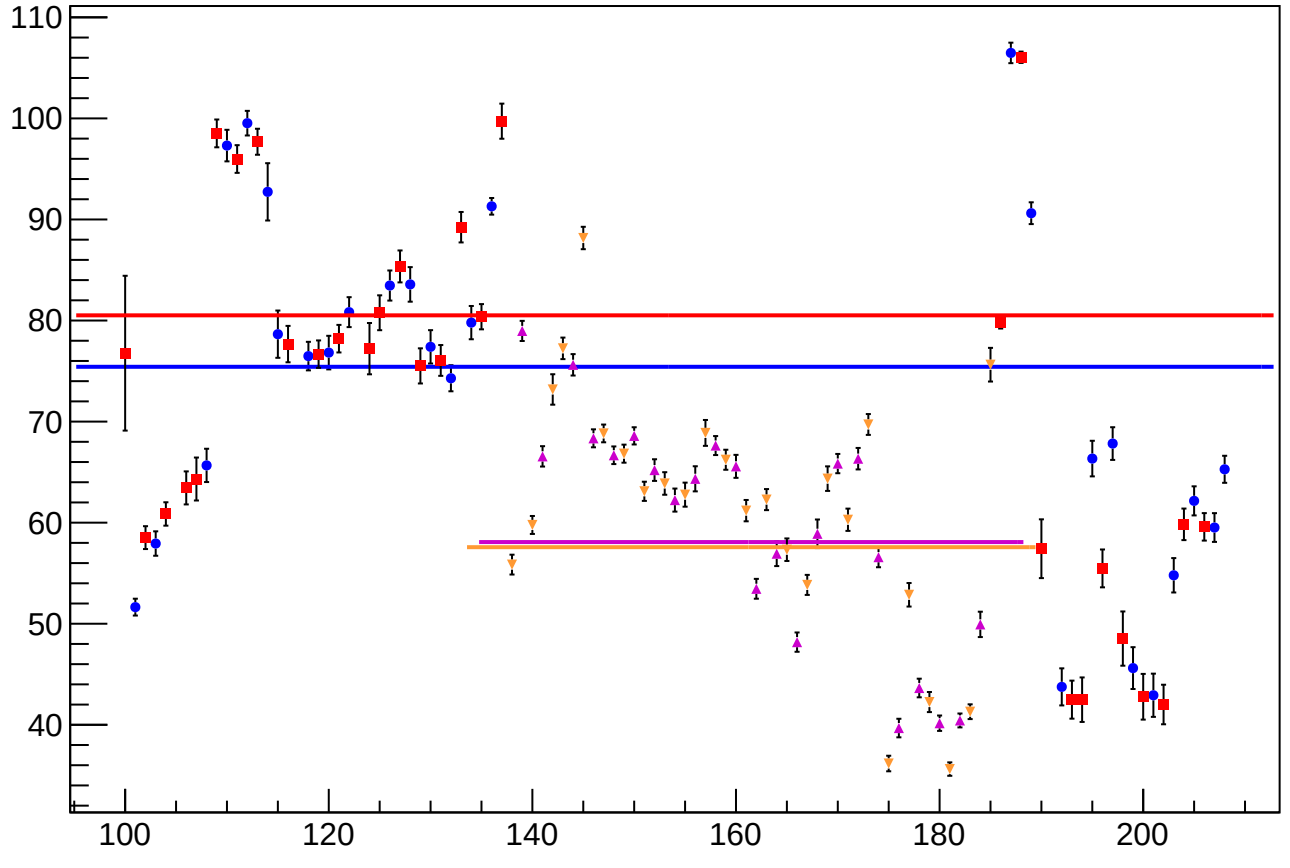
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.112+/-0.198 χ^2/NDF: 632.1/56

In: 0.911+/-0.136 χ^2/NDF:1771.1/49

Out: 1.274+/-0.132 χ^2/NDF:2213.6/54

All: 1.099+/-0.095 χ^2/NDF: 3988.4/104



Right In: 75.423+/-0.267 χ^2/NDF: 4472.1/26

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 80.514+/-0.247 χ^2/NDF: 5767.8/29

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

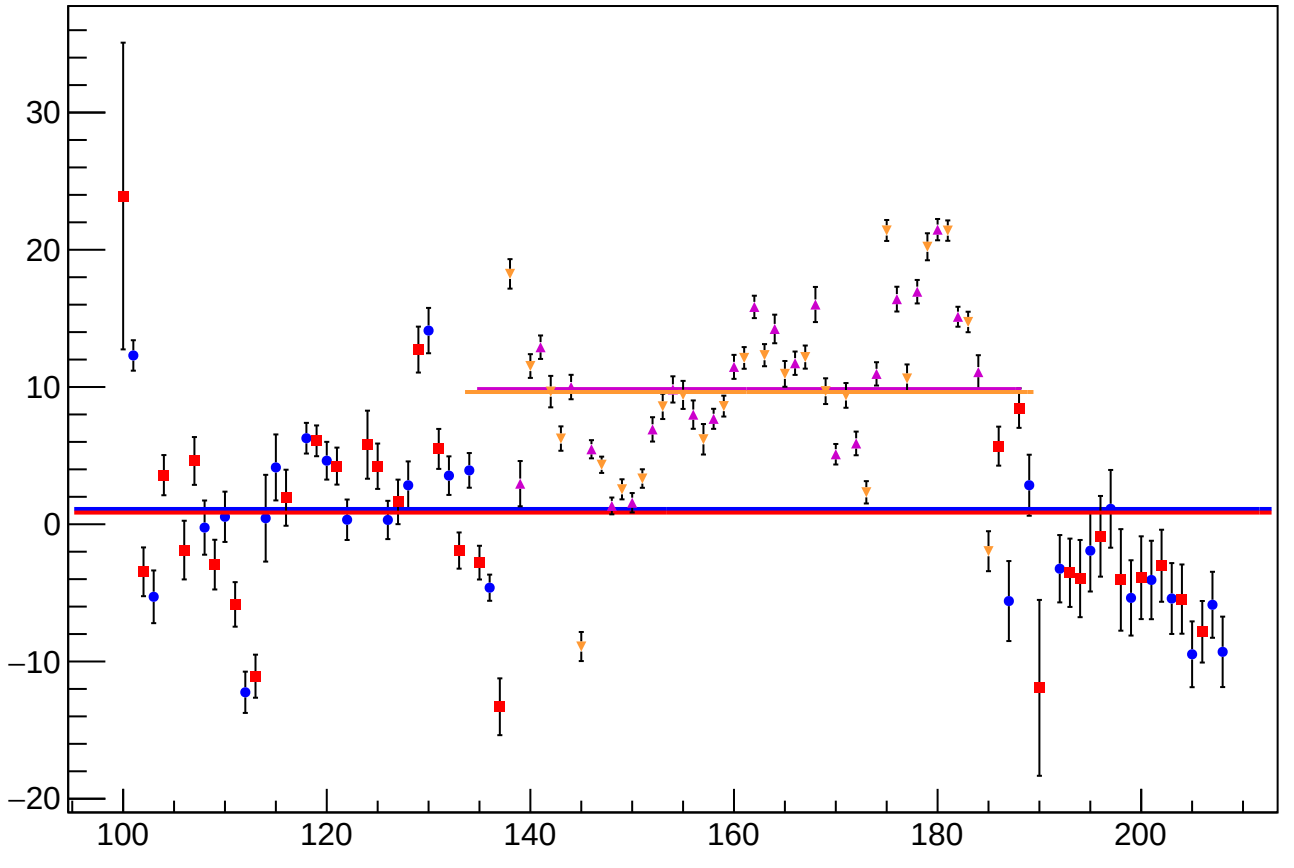
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 78.175+/-0.181 χ^2/NDF: 10435.7/56

In: 64.438+/-0.162 χ^2/NDF:10694.3/49

Out: 66.619+/-0.155 χ^2/NDF:15695.1/54

All: 65.577+/-0.112 χ^2/NDF: 26484.2/104



Right In: 1.113+/-0.329 χ^2/NDF: 399.1/26

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.850+/-0.328 χ^2/NDF: 333.7/29

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

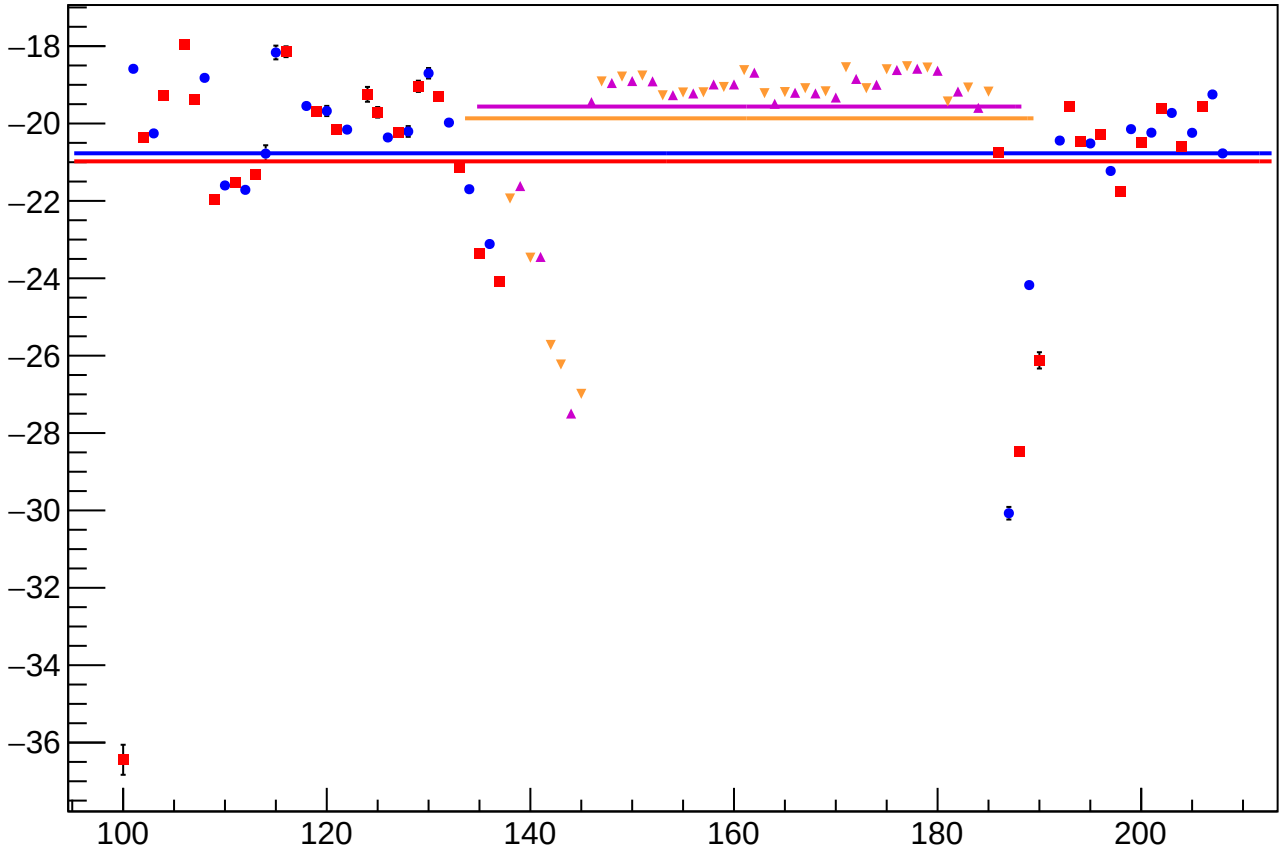
Right: 0.981+/-0.232 χ^2/NDF: 733.1/56

In: 7.904+/-0.155 χ^2/NDF:1938.7/49

Out: 7.749+/-0.152 χ^2/NDF:2389.6/54

All: 7.825+/-0.109 χ^2/NDF: 4328.9/104

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.770+/-0.016 χ^2/NDF: 12534.7/26

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.978+/-0.016 χ^2/NDF: 20670.6/29

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

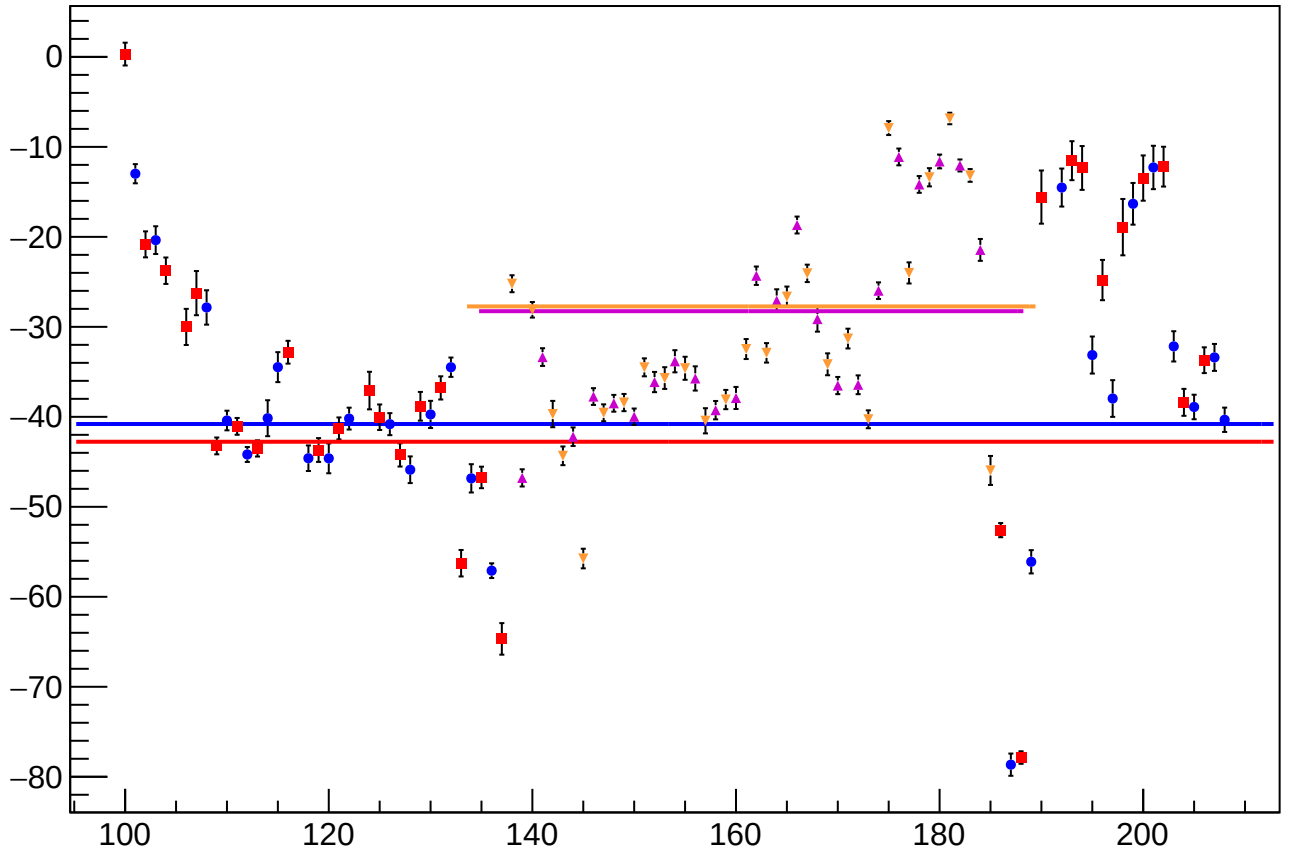
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.873+/-0.011 χ^2/NDF: 33288.4/56

In: -19.800+/-0.007 χ^2/NDF:62257.6/49

Out: -20.077+/-0.007 χ^2/NDF:103358.1/54

All: -19.939+/-0.005 χ^2/NDF: 166376.0/104



Right In: -40.798+/-0.262 χ^2/NDF: 2958.7/26

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.768+/-0.243 χ^2/NDF: 5637.1/29

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

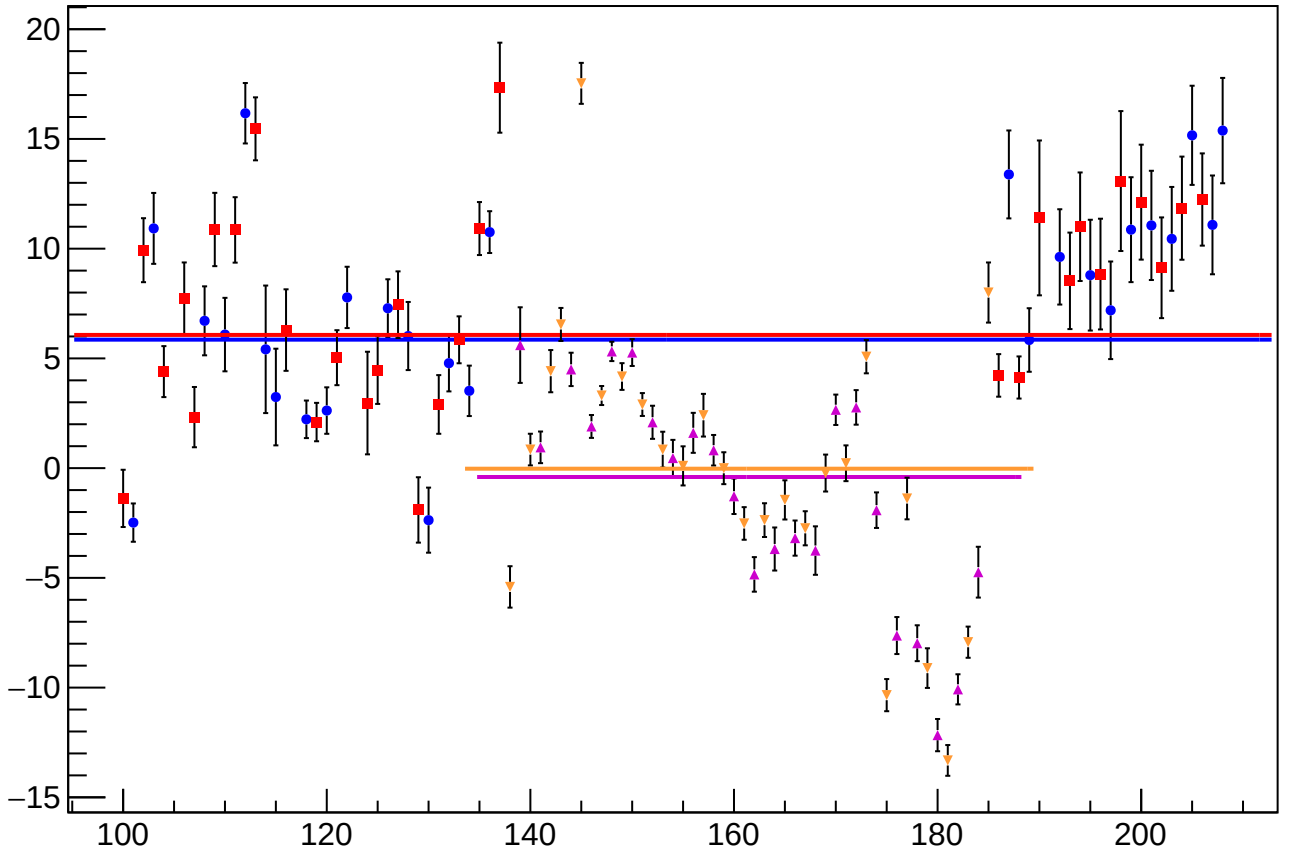
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.859+/-0.178 χ^2/NDF: 8626.2/56

In: -33.047+/-0.162 χ^2/NDF:7543.4/49

Out: -33.833+/-0.155 χ^2/NDF:12214.6/54

All: -33.458+/-0.112 χ^2/NDF: 19770.3/104



Right In: 5.854+/-0.284 χ^2/NDF: 321.0/26

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.070+/-0.270 χ^2/NDF: 260.2/29

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

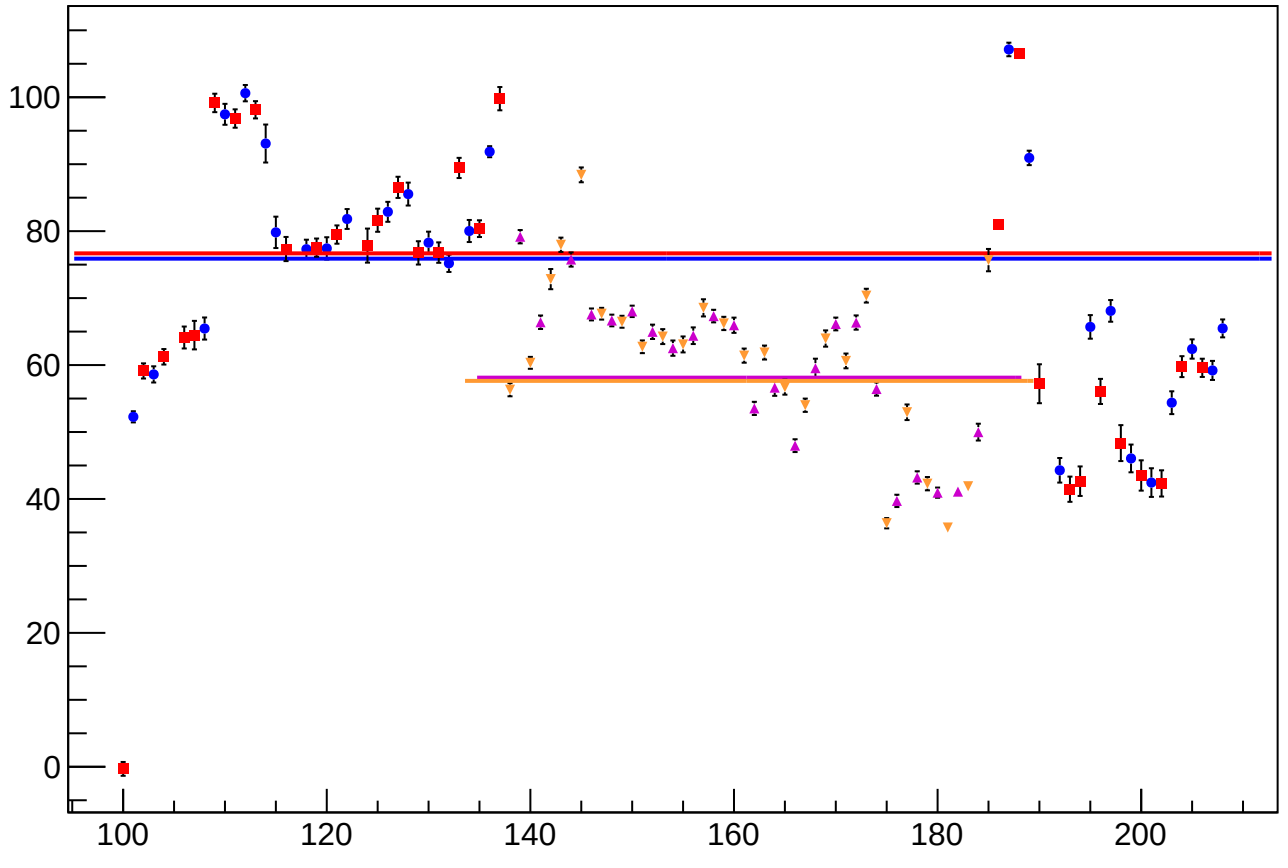
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.968+/-0.196 χ^2/NDF: 581.4/56

In: 1.036+/-0.136 χ^2/NDF:1778.0/49

Out: 1.413+/-0.131 χ^2/NDF:2180.2/54

All: 1.232+/-0.095 χ^2/NDF: 3962.2/104



Right In: 75.892+/-0.268 χ^2/NDF: 4533.9/26

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.683+/-0.240 χ^2/NDF: 11683.8/29

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

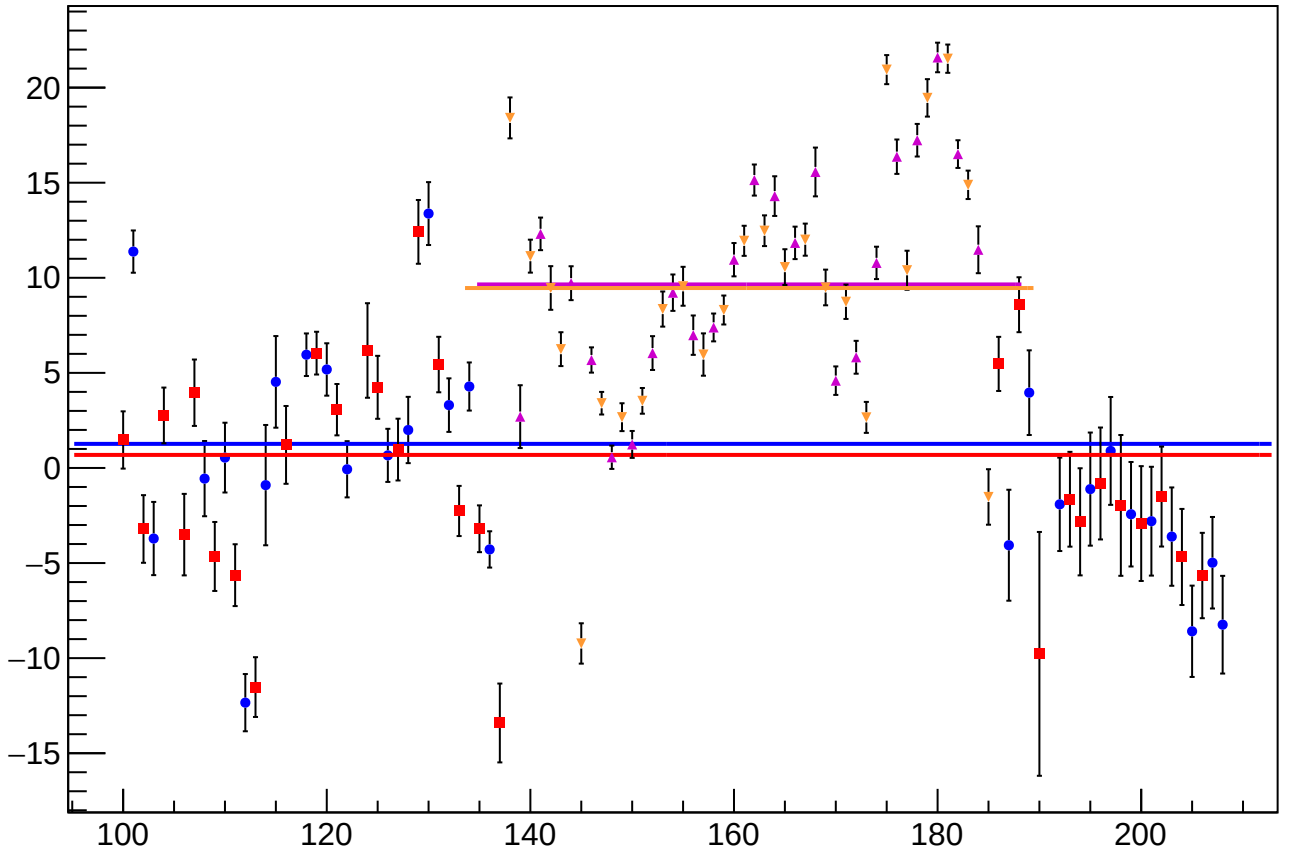
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 76.330+/-0.179 χ^2/NDF: 16222.5/56

In: 64.637+/-0.162 χ^2/NDF:10766.8/49

Out: 65.398+/-0.153 χ^2/NDF:20018.5/54

All: 65.039+/-0.111 χ^2/NDF: 30796.9/104



Right In: 1.267+/-0.330 χ^2/NDF: 348.3/26

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.686+/-0.321 χ^2/NDF: 316.3/29

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

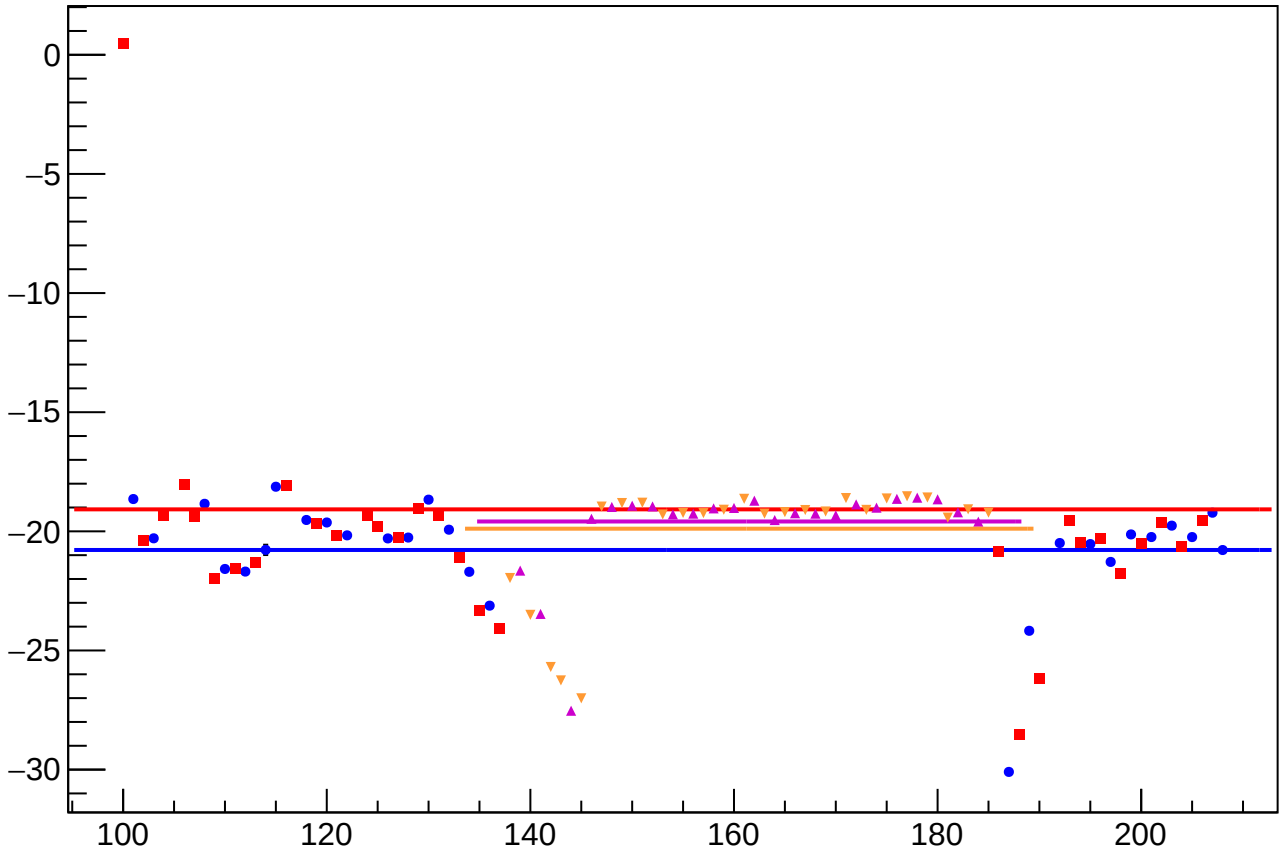
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.968+/-0.230 χ^2/NDF: 666.3/56

In: 7.782+/-0.156 χ^2/NDF:1928.8/49

Out: 7.508+/-0.151 χ^2/NDF:2381.1/54

All: 7.641+/-0.109 χ^2/NDF: 4311.5/104



Right In: -20.782+/-0.016 χ^2/NDF: 12424.2/26

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.078+/-0.016 χ^2/NDF: 171882.8/29

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

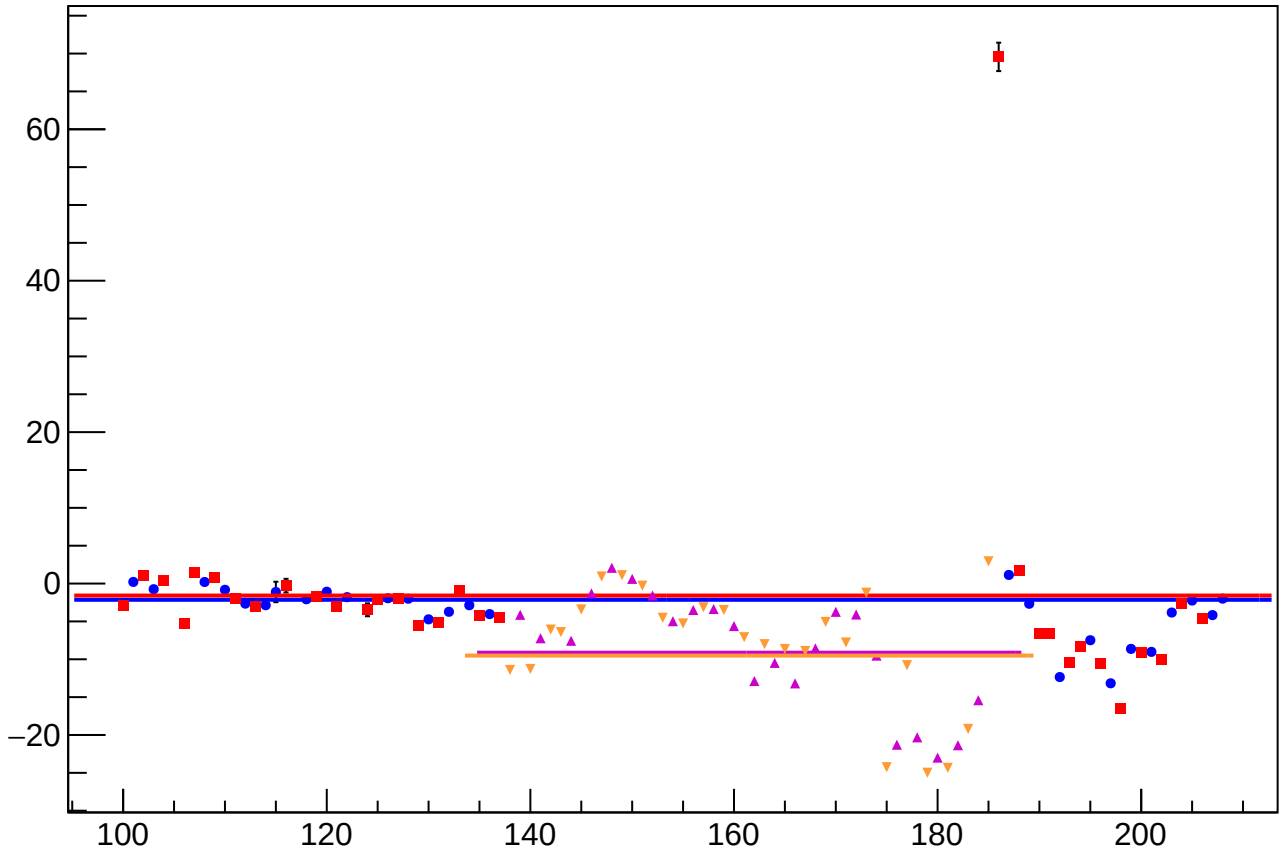
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.902+/-0.011 χ^2/NDF: 190116.8/56

In: -19.822+/-0.007 χ^2/NDF:61955.7/49

Out: -19.723+/-0.007 χ^2/NDF:252559.8/54

All: -19.772+/-0.005 χ^2/NDF: 314613.3/104



Right In: -2.142+/-0.049 χ^2/NDF: 3344.8/26

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.582+/-0.046 χ^2/NDF: 6948.5/30

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

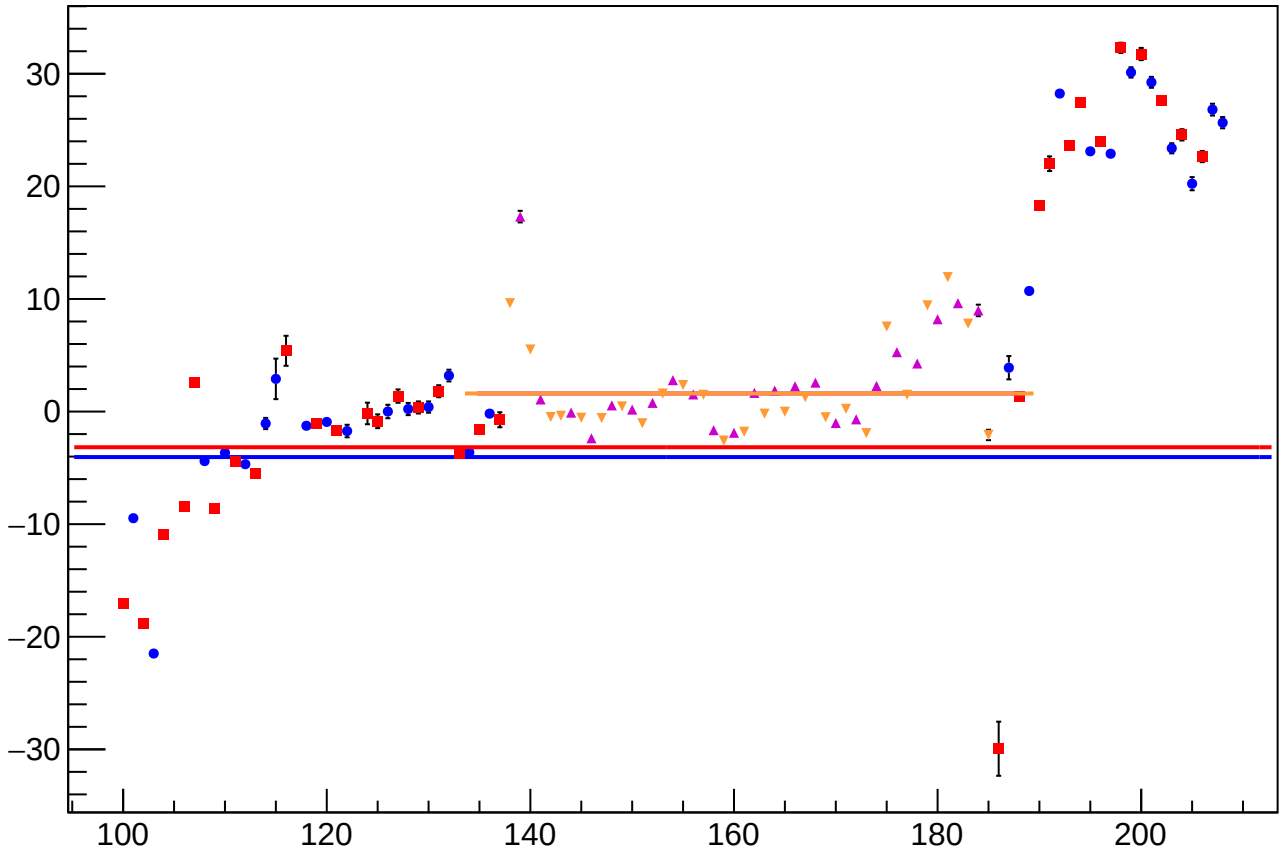
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.842+/-0.033 χ^2/NDF: 10363.3/57

In: -4.245+/-0.041 χ^2/NDF:19842.9/49

Out: -3.828+/-0.039 χ^2/NDF:28407.5/55

All: -4.024+/-0.028 χ^2/NDF: 48305.1/105



Right In: -4.042+/-0.053 χ^2/NDF: 61272.8/26

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.167+/-0.052 χ^2/NDF: 63254.8/30

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

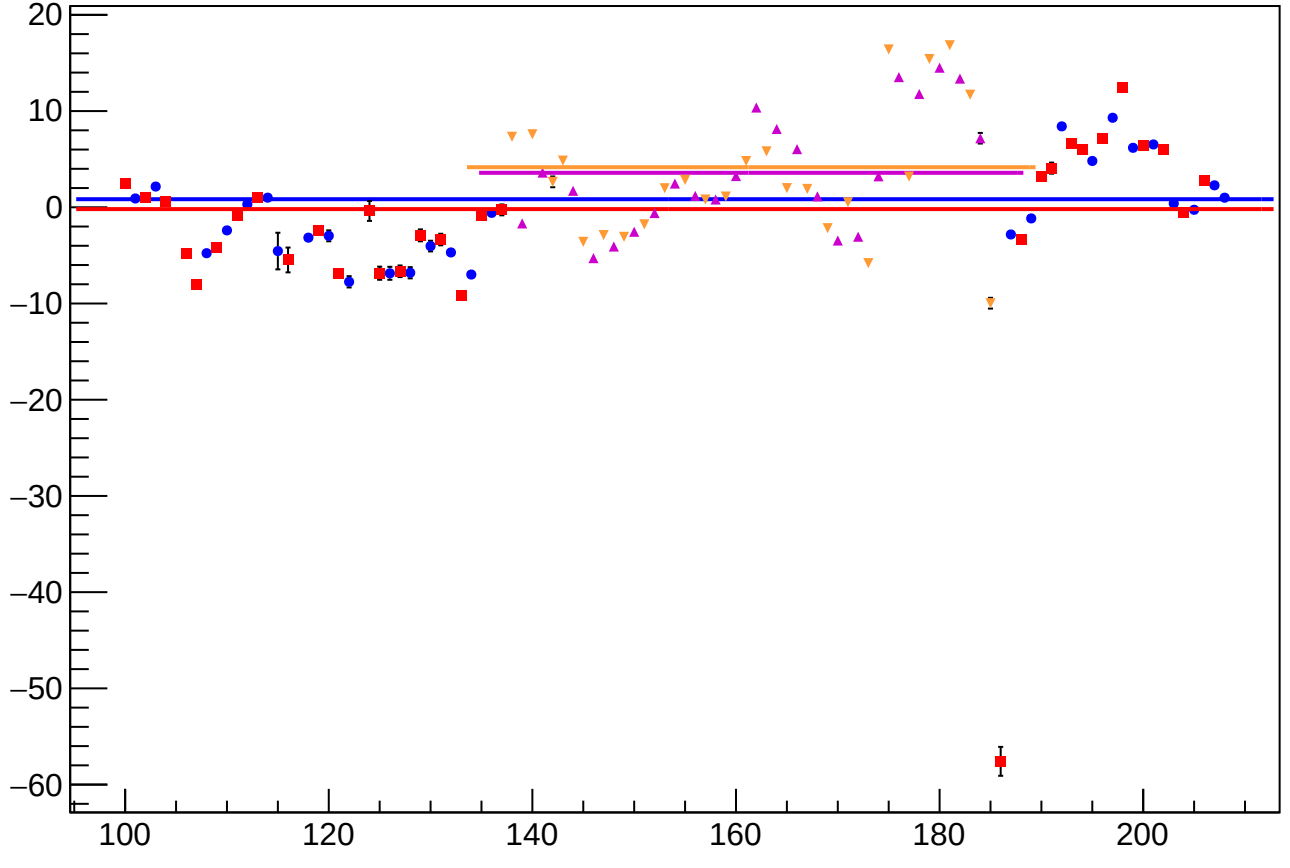
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -3.601+/-0.037 χ^2/NDF: 124666.7/57

In: -1.473+/-0.039 χ^2/NDF:70154.6/49

Out: -0.912+/-0.038 χ^2/NDF:71878.5/55

All: -1.185+/-0.027 χ^2/NDF: 142140.0/105



Right In: 0.841+/-0.047 χ^2/NDF: 4173.0/26

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.188+/-0.046 χ^2/NDF: 8208.3/30

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

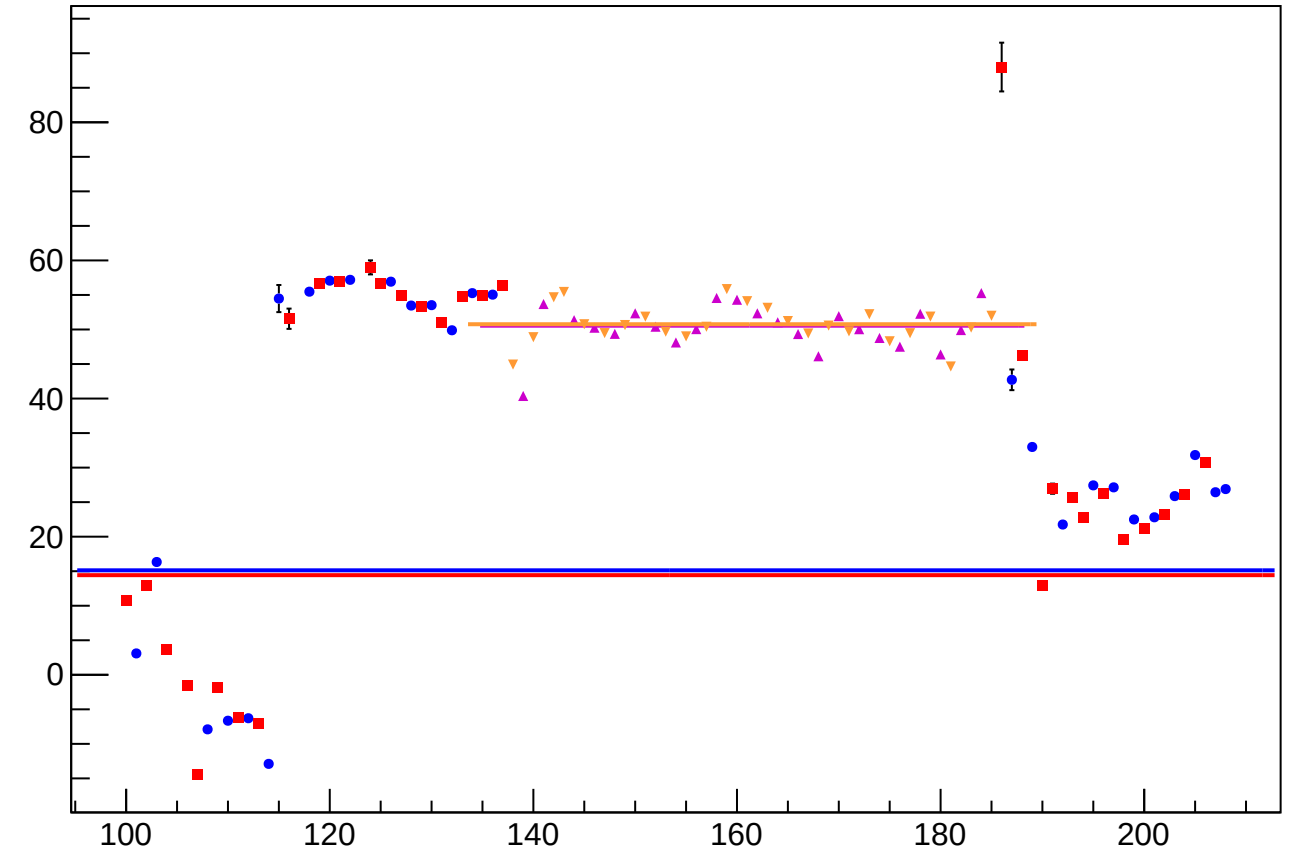
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.314+/-0.033 χ^2/NDF: 12625.1/57

In: 1.634+/-0.040 χ^2/NDF:12379.5/49

Out: 1.074+/-0.039 χ^2/NDF:20045.9/55

All: 1.347+/-0.028 χ^2/NDF: 32527.0/105



Right In: 15.129+/-0.063 χ^2/NDF: 114816.3/26

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.427+/-0.062 χ^2/NDF: 130737.0/30

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

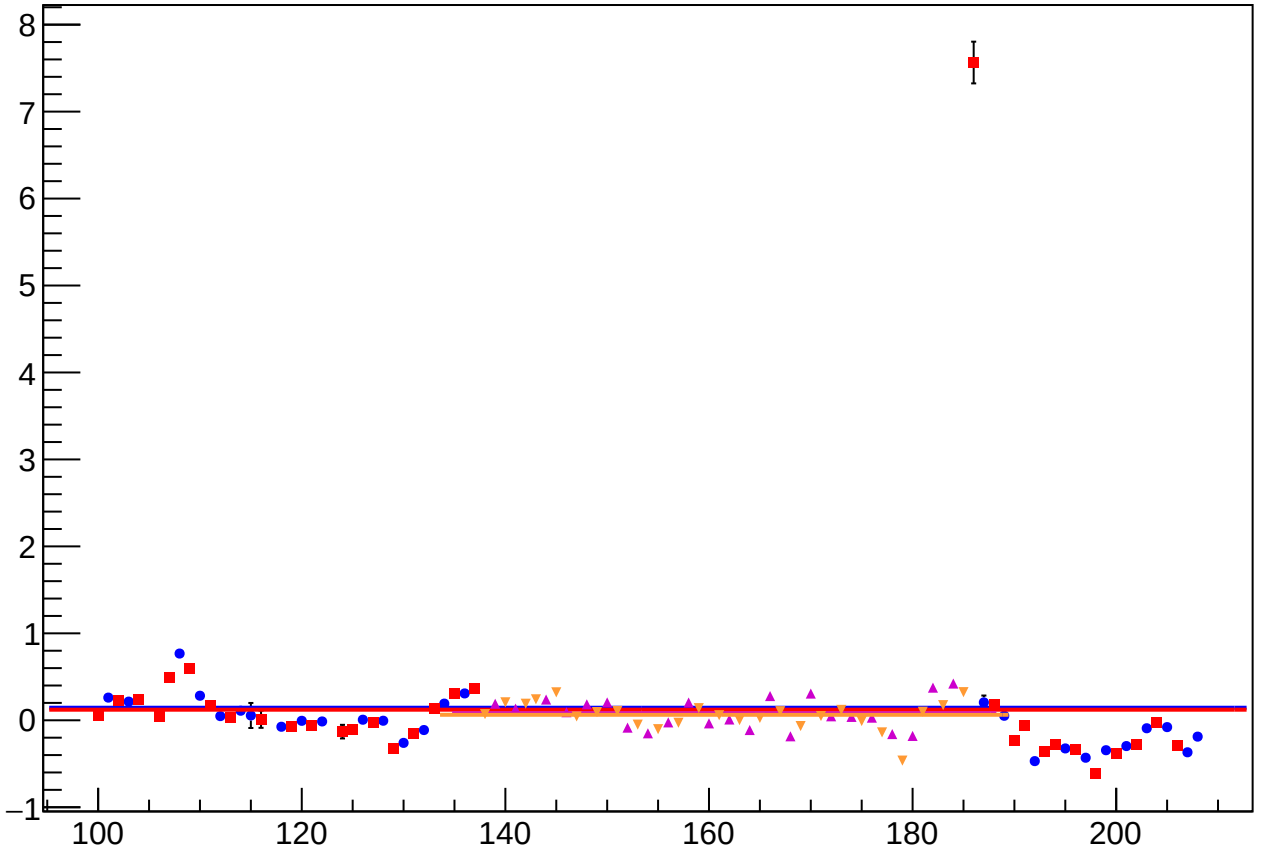
Right: 14.775+/-0.044 χ^2/NDF: 245616.8/57

In: 32.239+/-0.045 χ^2/NDF:271149.3/49

Out: 32.469+/-0.044 χ^2/NDF:302962.9/55

All: 32.357+/-0.031 χ^2/NDF: 574125.6/105

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.144+/-0.002 χ^2/NDF: 13497.1/26

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.122+/-0.002 χ^2/NDF: 12949.9/30

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

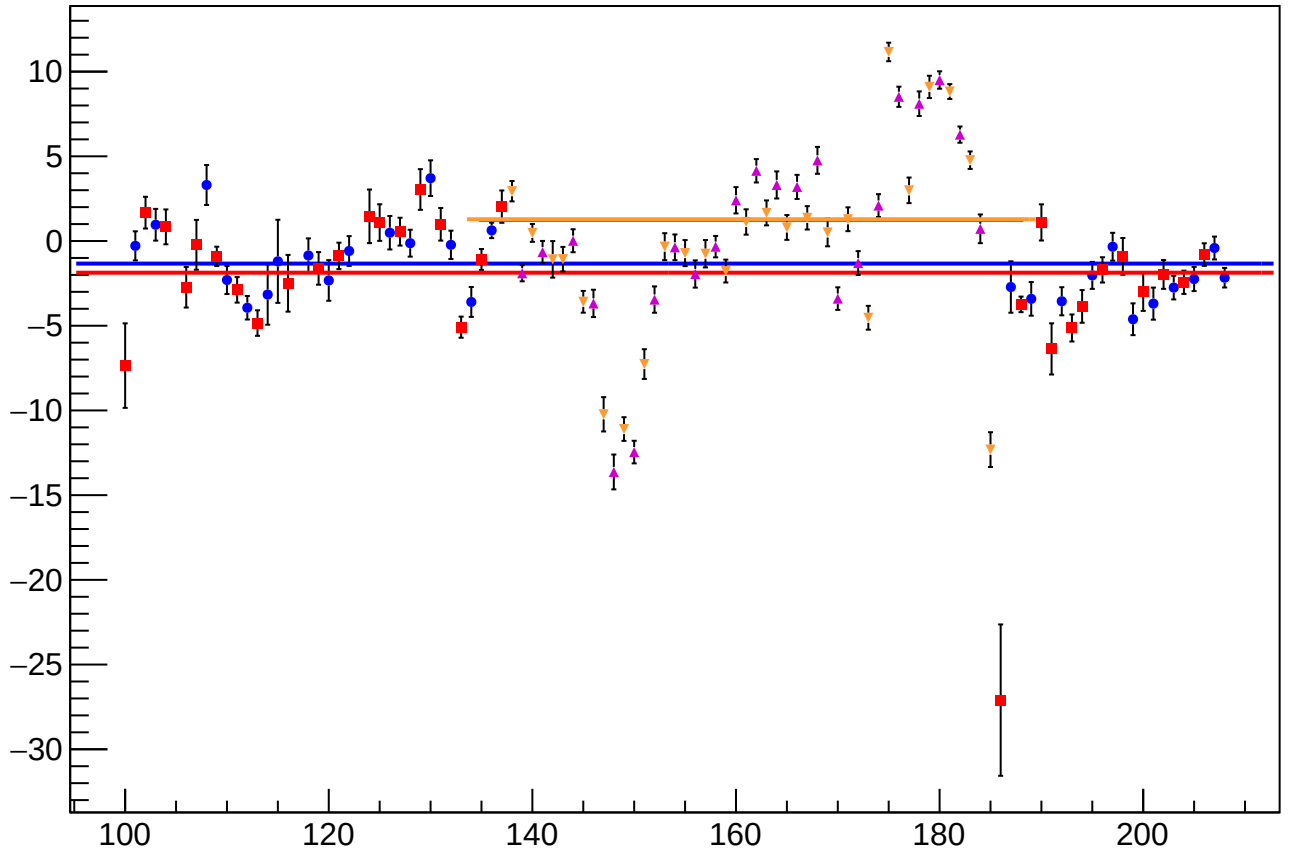
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.133+/-0.002 χ^2/NDF: 26490.1/57

In: 0.116+/-0.002 χ^2/NDF:17241.1/49

Out: 0.097+/-0.002 χ^2/NDF:15767.9/55

All: 0.106+/-0.001 χ^2/NDF: 33064.9/105



Right In: -1.333+/-0.161 χ^2/NDF: 139.3/26

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.869+/-0.155 χ^2/NDF: 232.2/30

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

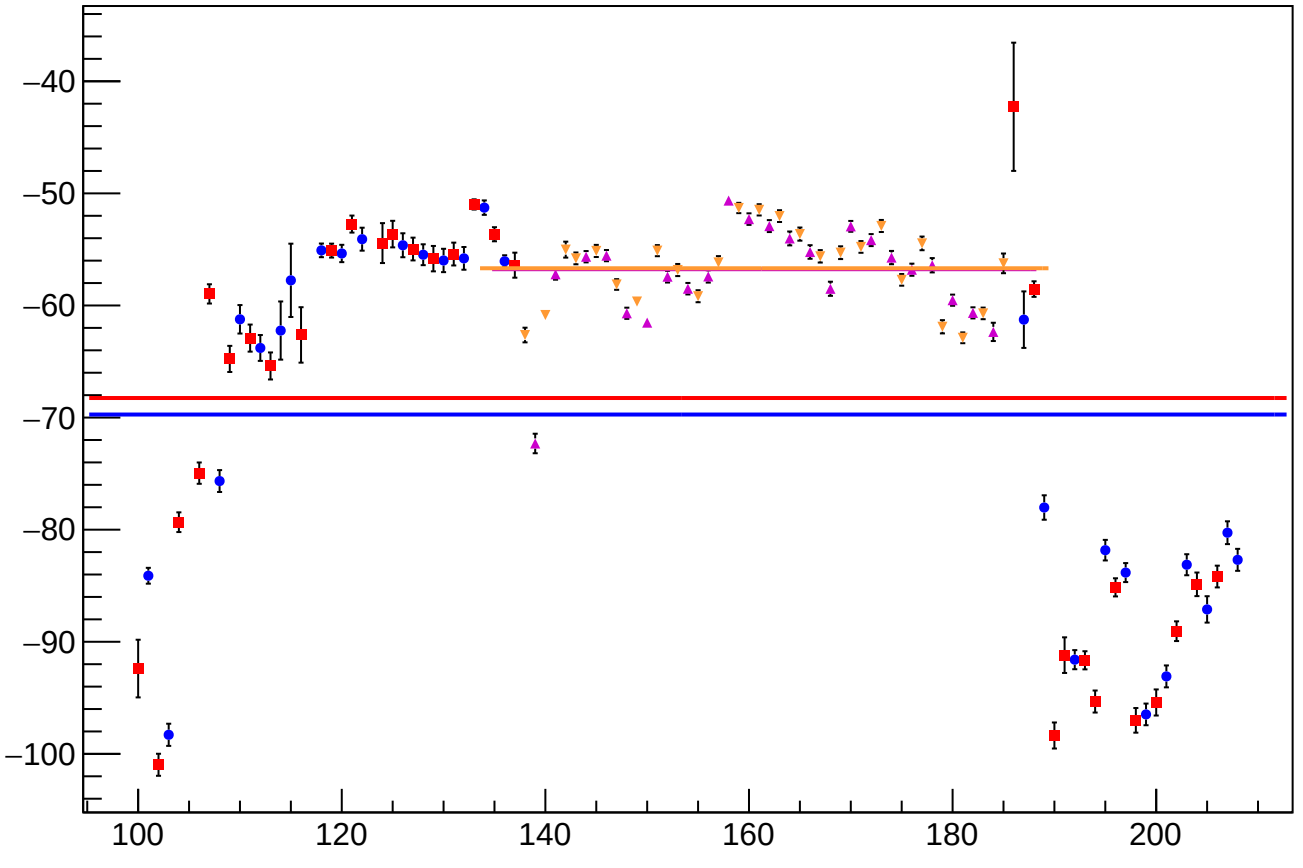
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.612+/-0.111 χ^2/NDF: 377.3/57

In: 0.131+/-0.106 χ^2/NDF:1797.6/49

Out: -0.103+/-0.103 χ^2/NDF:2180.7/55

All: 0.010+/-0.074 χ^2/NDF: 3980.8/105



Right In: -69.728+/-0.177 χ^2/NDF: 8029.7/26

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -68.255+/-0.168 χ^2/NDF: 10612.2/30

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

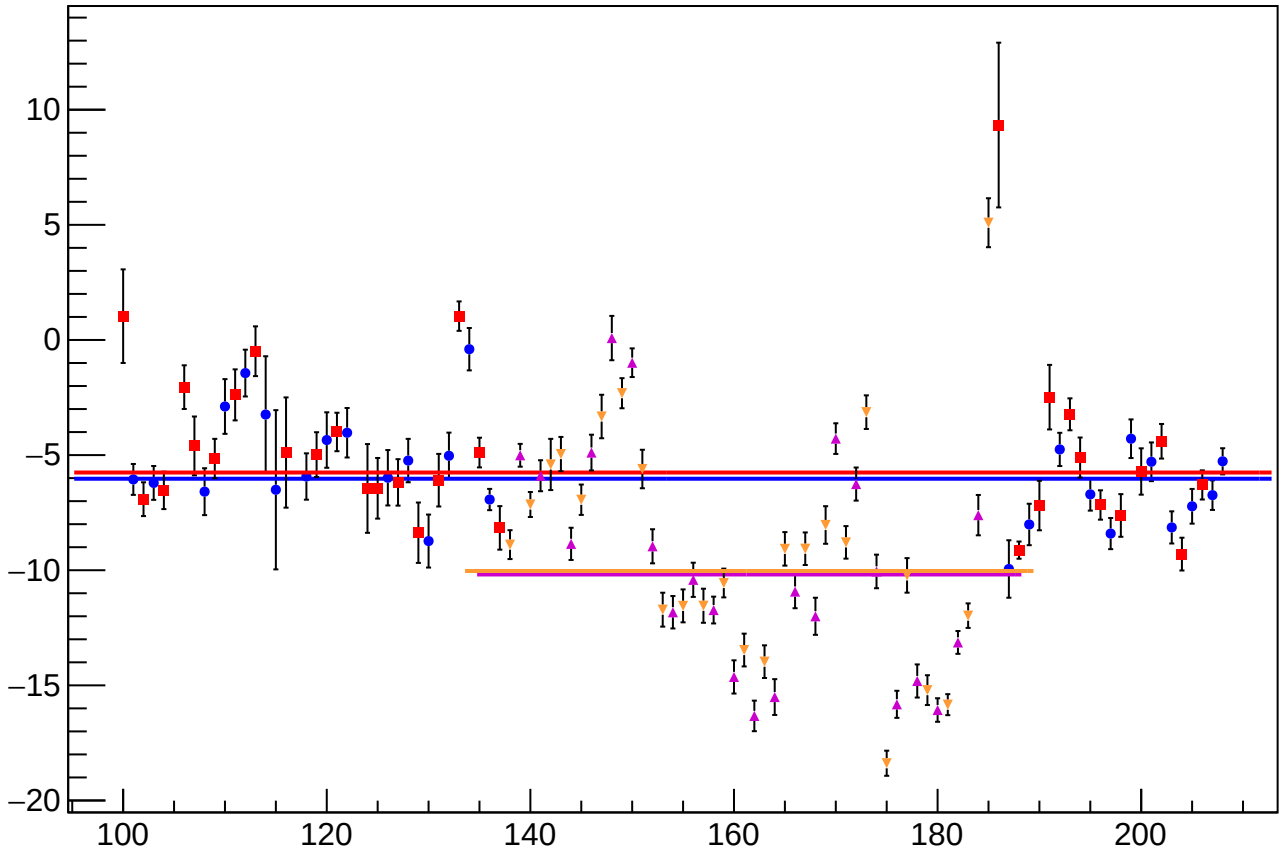
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -68.950+/-0.122 χ^2/NDF: 18678.3/57

In: -60.459+/-0.095 χ^2/NDF:12958.3/49

Out: -60.040+/-0.090 χ^2/NDF:15010.1/55

All: -60.240+/-0.065 χ^2/NDF: 27978.5/105



Right In: -6.027+/-0.160 χ^2/NDF: 133.7/26

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.756+/-0.152 χ^2/NDF: 353.5/30

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

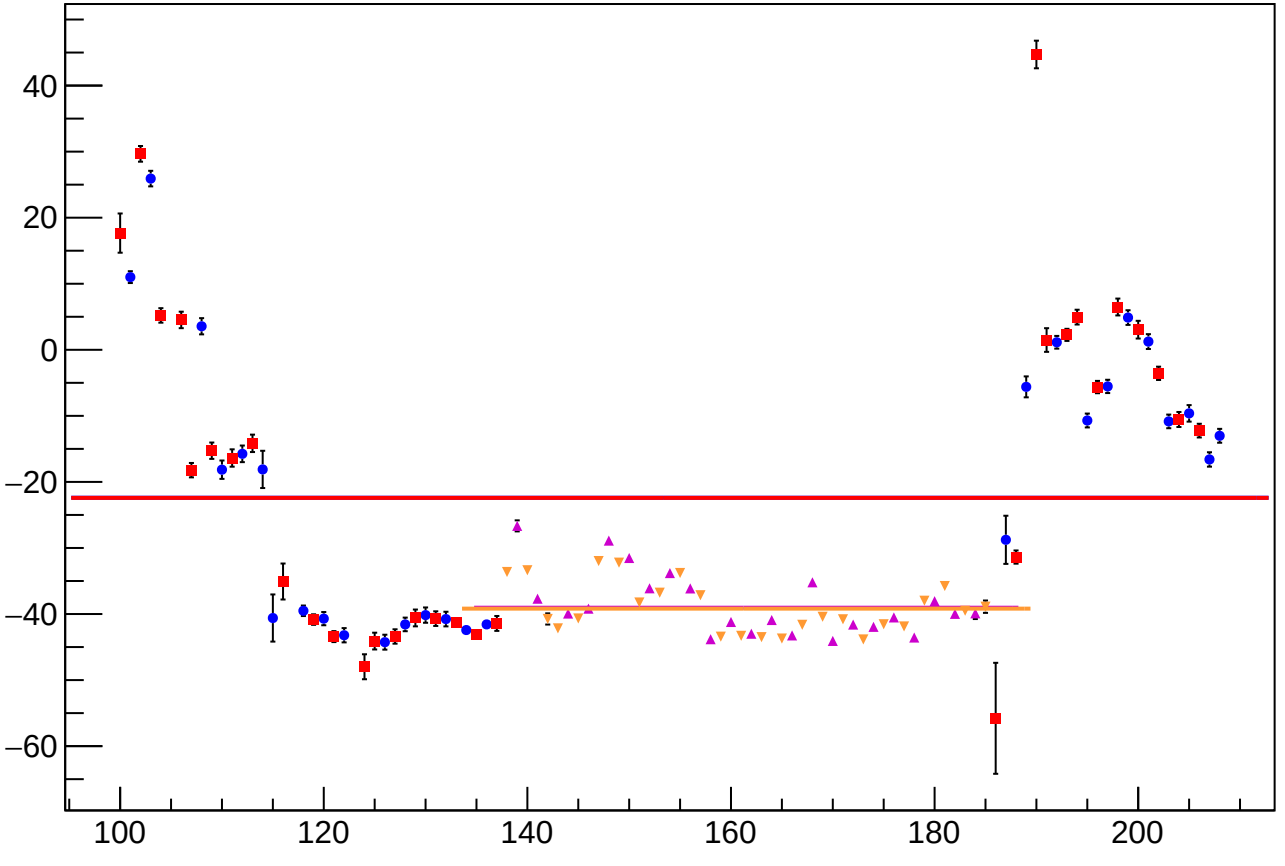
Right: -5.885+/-0.110 χ^2/NDF: 488.7/57

In: -8.394+/-0.105 χ^2/NDF:1660.8/49

Out: -8.134+/-0.102 χ^2/NDF:1973.9/55

All: -8.260+/-0.073 χ^2/NDF: 3637.9/105

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.394+/-0.202 χ^2/NDF: 10520.9/26

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.415+/-0.195 χ^2/NDF: 12672.9/30

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

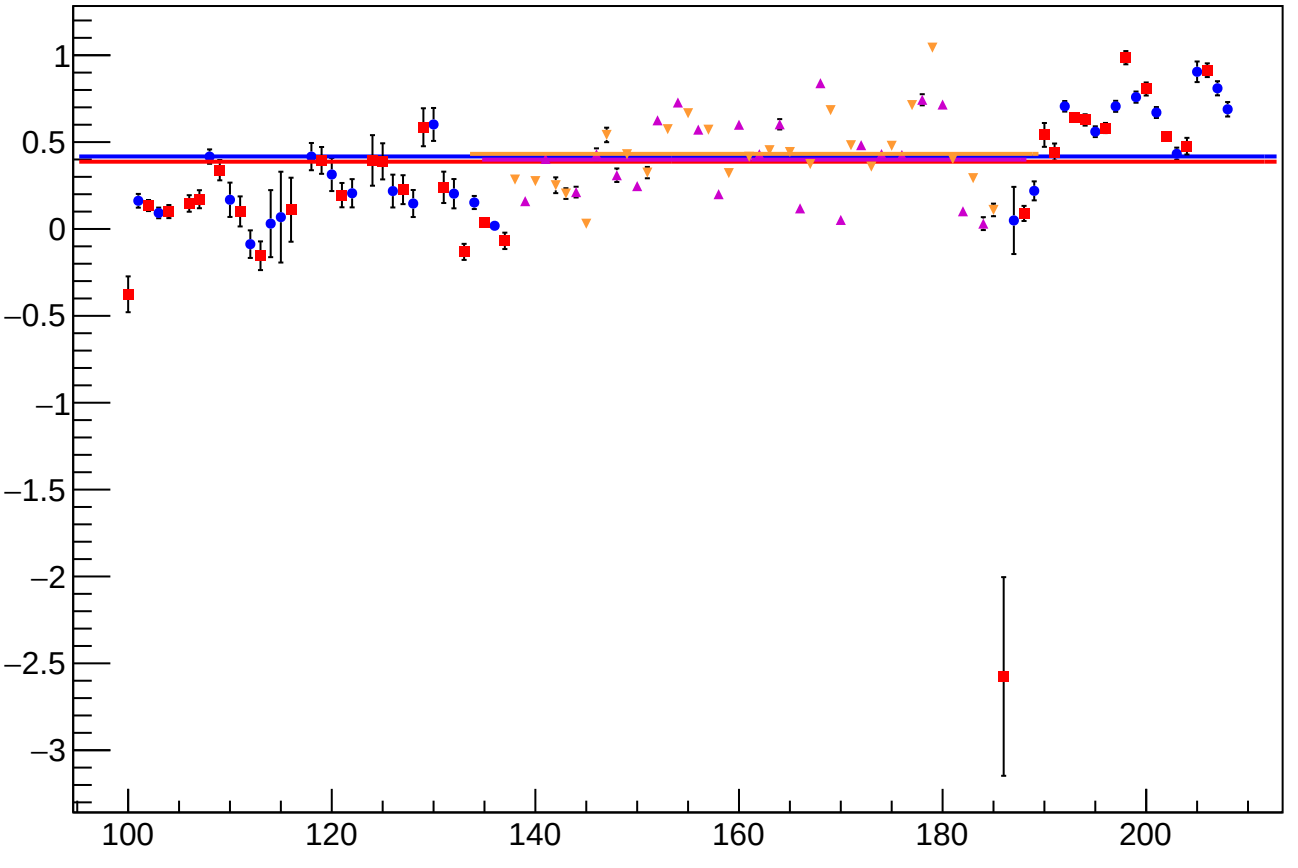
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.405+/-0.140 χ^2/NDF: 23193.8/57

In: -34.481+/-0.106 χ^2/NDF:16668.6/49

Out: -34.584+/-0.102 χ^2/NDF:19060.9/55

All: -34.535+/-0.074 χ^2/NDF: 35729.9/105



Right In: 0.417+/-0.008 χ^2/NDF: 1223.3/26

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.387+/-0.008 χ^2/NDF: 1536.1/30

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

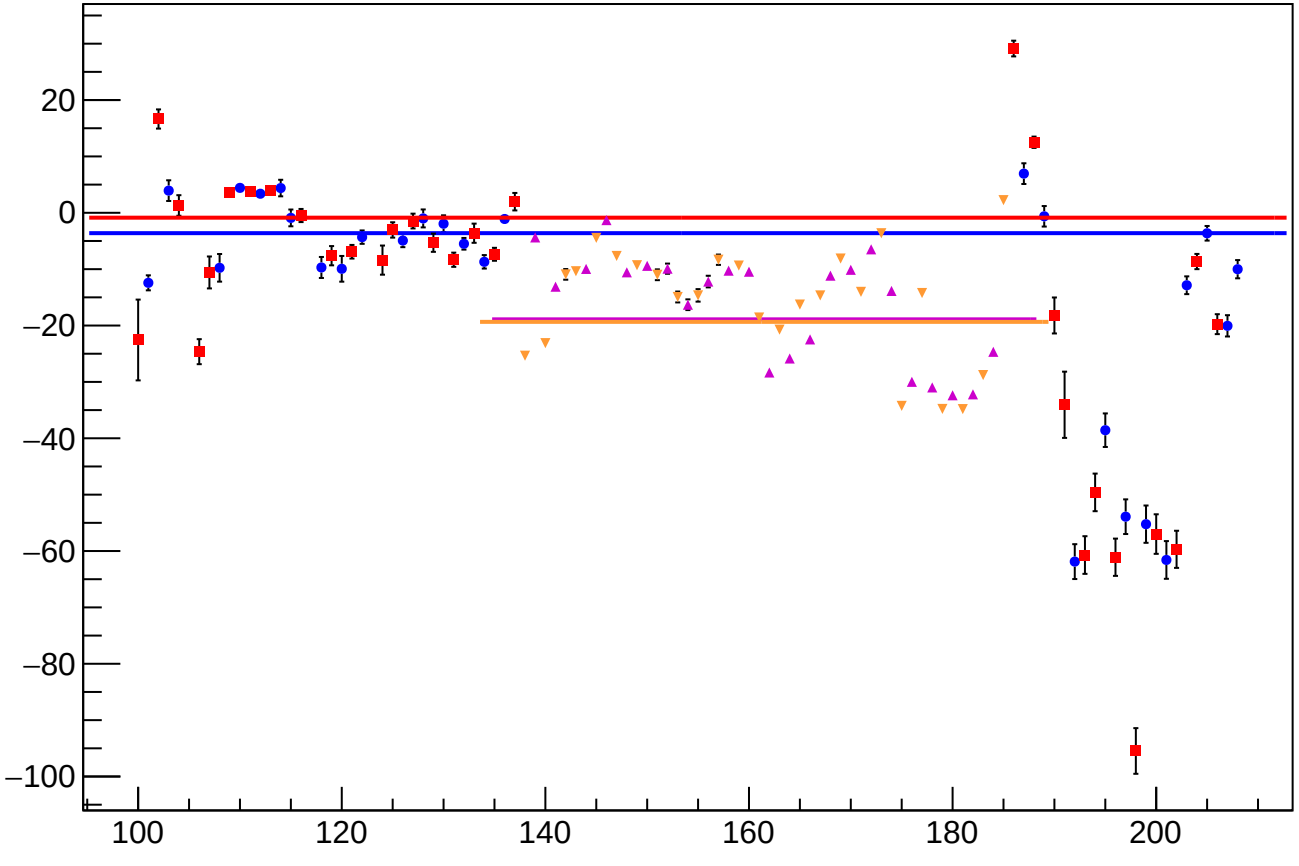
Right: 0.402+/-0.006 χ^2/NDF: 2765.9/57

In: 0.404+/-0.005 χ^2/NDF:3150.5/49

Out: 0.419+/-0.004 χ^2/NDF:2925.9/55

All: 0.412+/-0.003 χ^2/NDF: 6081.9/105

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.612+/-0.254 χ^2/NDF: 1878.3/26

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.866+/-0.242 χ^2/NDF: 3373.8/30

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

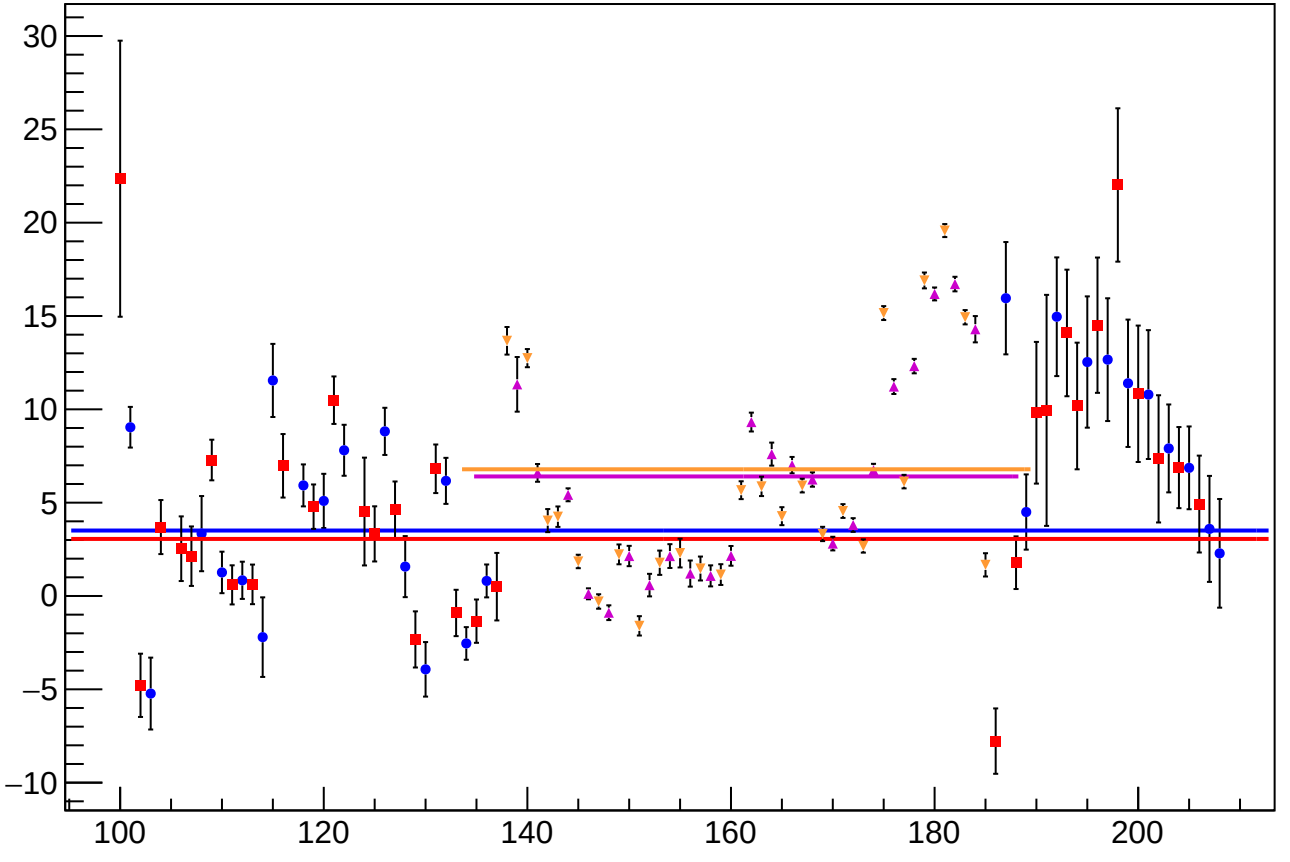
Right: -2.169+/-0.175 χ^2/NDF: 5313.4/57

In: -16.263+/-0.106 χ^2/NDF:13155.8/49

Out: -16.014+/-0.103 χ^2/NDF:18562.2/55

All: -16.135+/-0.074 χ^2/NDF: 31720.9/105

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.507+/-0.294 χ^2/NDF: 264.8/26

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 3.057+/-0.296 χ^2/NDF: 244.9/30

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

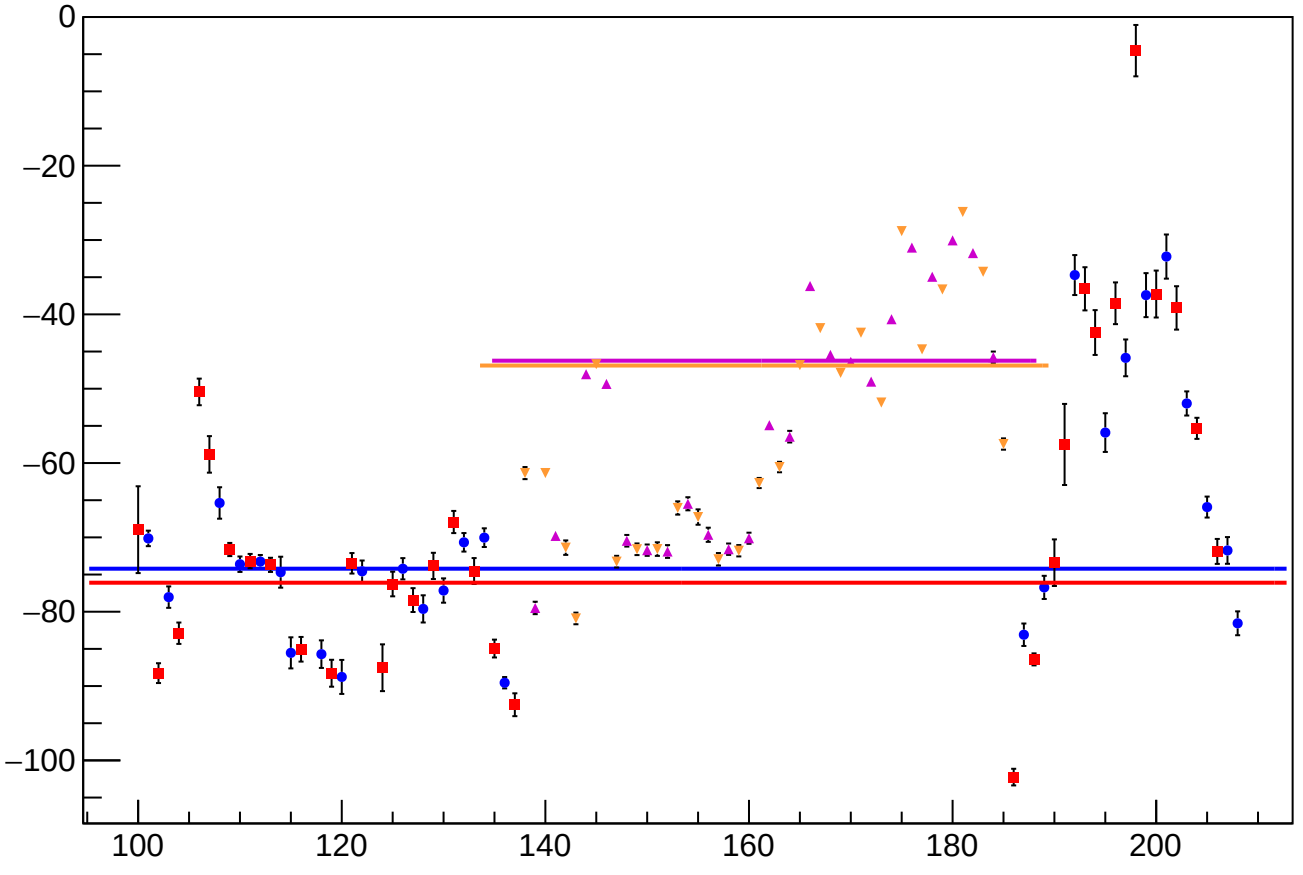
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.284+/-0.209 χ^2/NDF: 510.8/57

In: 6.149+/-0.087 χ^2/NDF:3764.0/49

Out: 6.472+/-0.086 χ^2/NDF:5022.5/55

All: 6.312+/-0.061 χ^2/NDF: 8793.4/105



Right In: -74.213+/-0.283 χ^2/NDF: 1616.0/26

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.099+/-0.275 χ^2/NDF: 2868.0/30

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

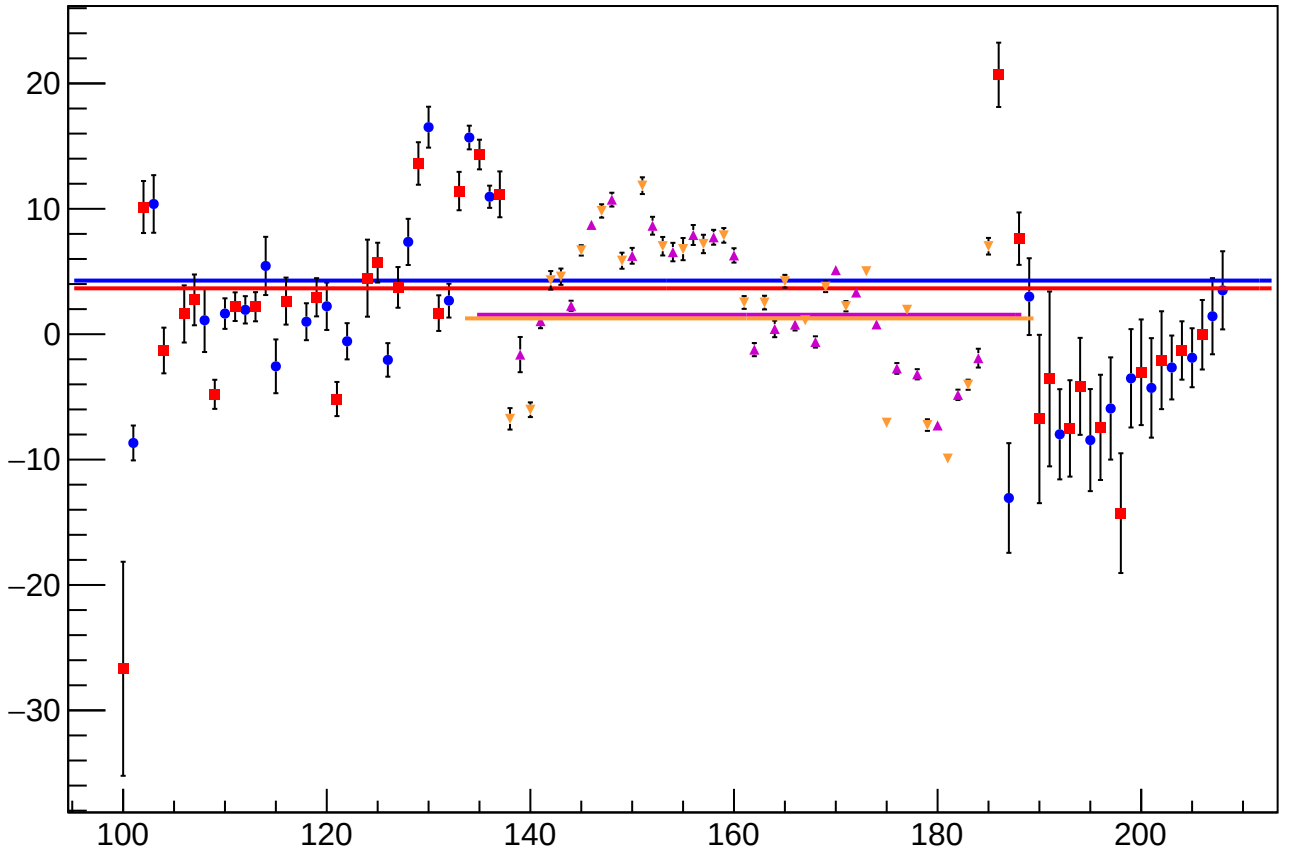
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.183+/-0.197 χ^2/NDF: 4506.8/57

In: -50.276+/-0.108 χ^2/NDF:25157.4/49

Out: -51.165+/-0.105 χ^2/NDF:30486.4/55

All: -50.730+/-0.075 χ^2/NDF: 55678.8/105



Right In: 4.277+/-0.330 χ^2/NDF: 485.6/26

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.659+/-0.338 χ^2/NDF: 387.6/30

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

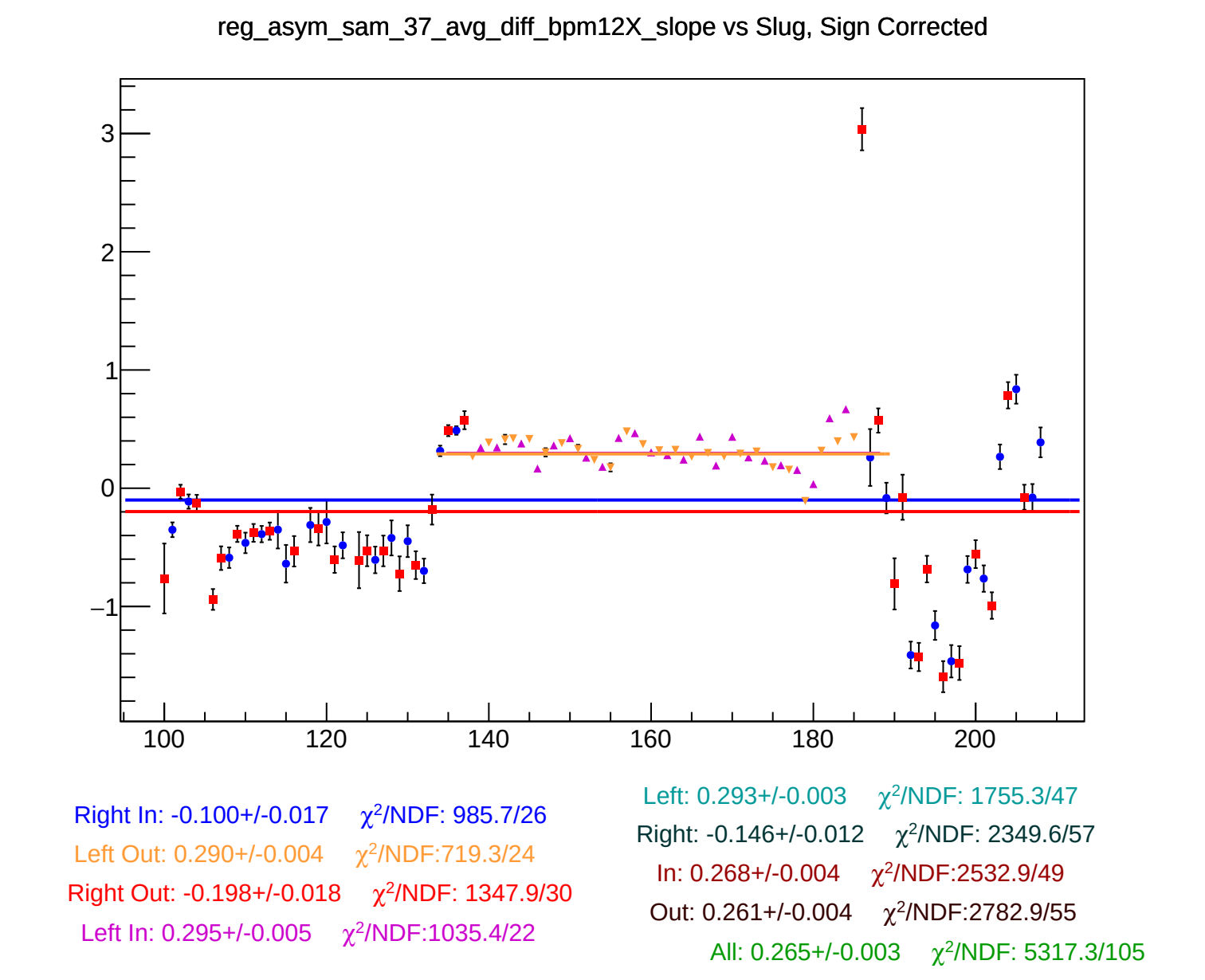
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

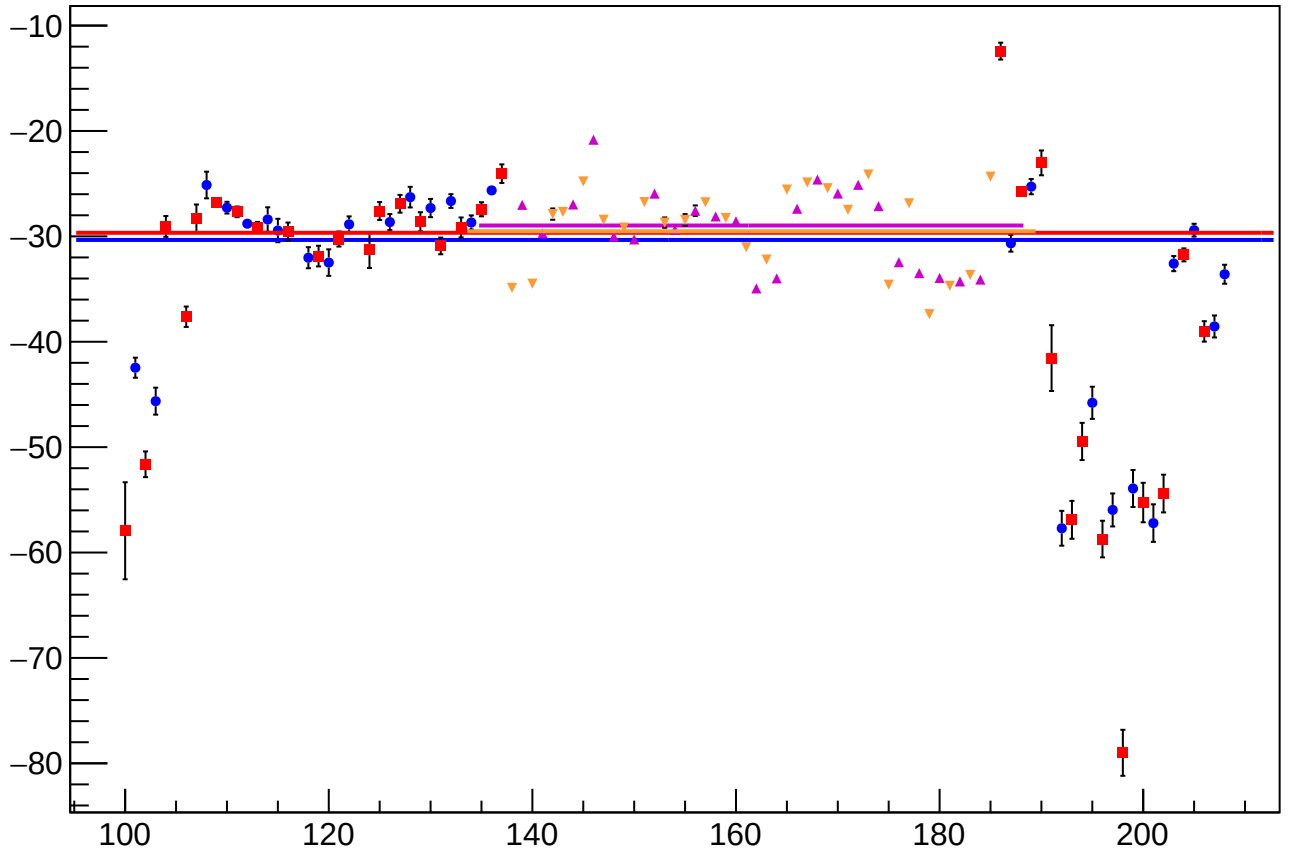
Right: 3.976+/-0.236 χ^2/NDF: 875.0/57

In: 1.789+/-0.097 χ^2/NDF:2883.8/49

Out: 1.456+/-0.096 χ^2/NDF:3879.5/55

All: 1.620+/-0.068 χ^2/NDF: 6769.2/105


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.100+/-0.017 χ²/NDF: 985.7/26
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.198+/-0.018 χ²/NDF: 1347.9/30
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.146+/-0.012 χ²/NDF: 2349.6/57
In: 0.268+/-0.004 χ²/NDF:2532.9/49
Out: 0.261+/-0.004 χ²/NDF:2782.9/55
All: 0.265+/-0.003 χ²/NDF: 5317.3/105



Right In: -30.340+/-0.156 χ^2/NDF: 1752.7/26

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.660+/-0.152 χ^2/NDF: 2782.6/30

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

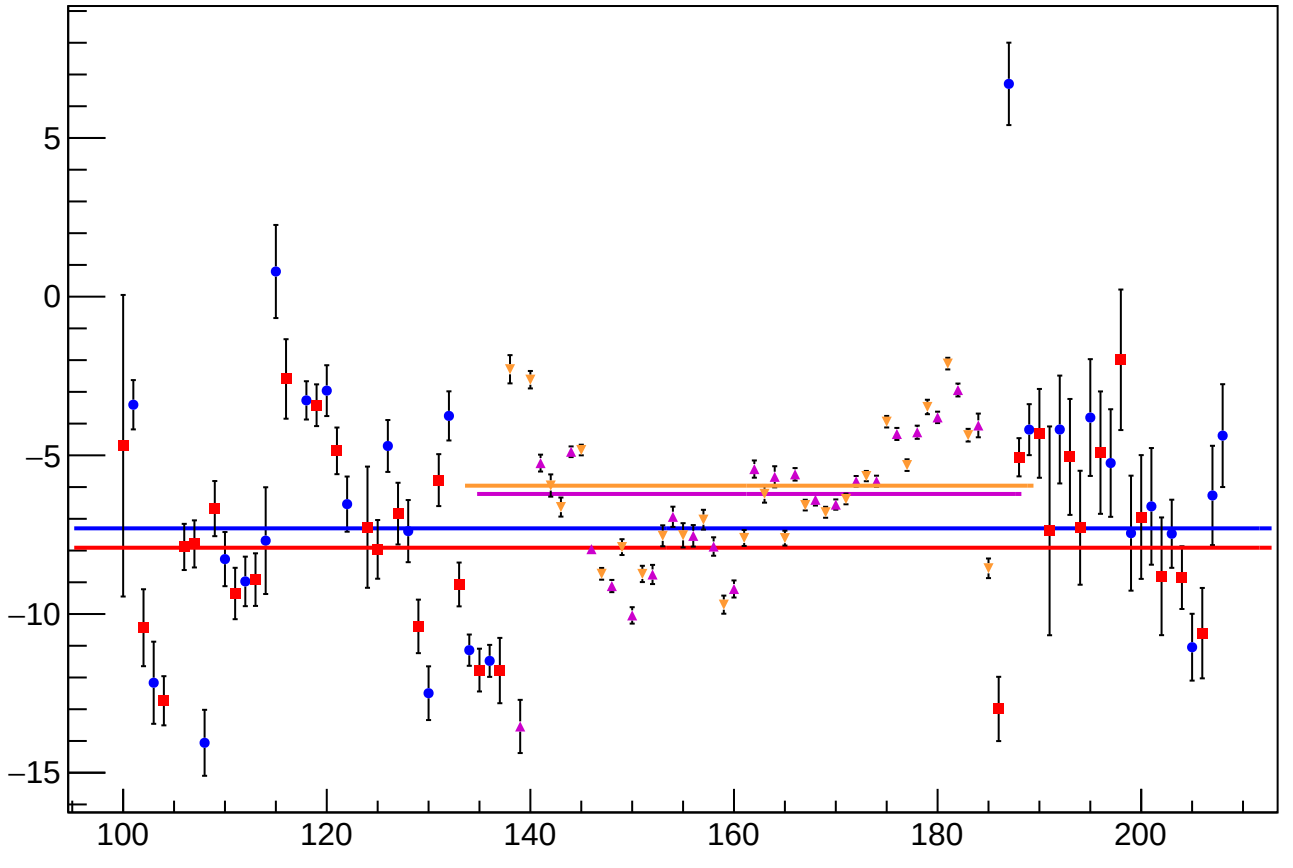
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.990+/-0.109 χ^2/NDF: 4545.1/57

In: -29.132+/-0.054 χ^2/NDF:7169.2/49

Out: -29.534+/-0.053 χ^2/NDF:8871.9/55

All: -29.336+/-0.038 χ^2/NDF: 16069.6/105



Right In: -7.300+/-0.175 χ^2/NDF: 547.1/26

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.911+/-0.173 χ^2/NDF: 269.9/30

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

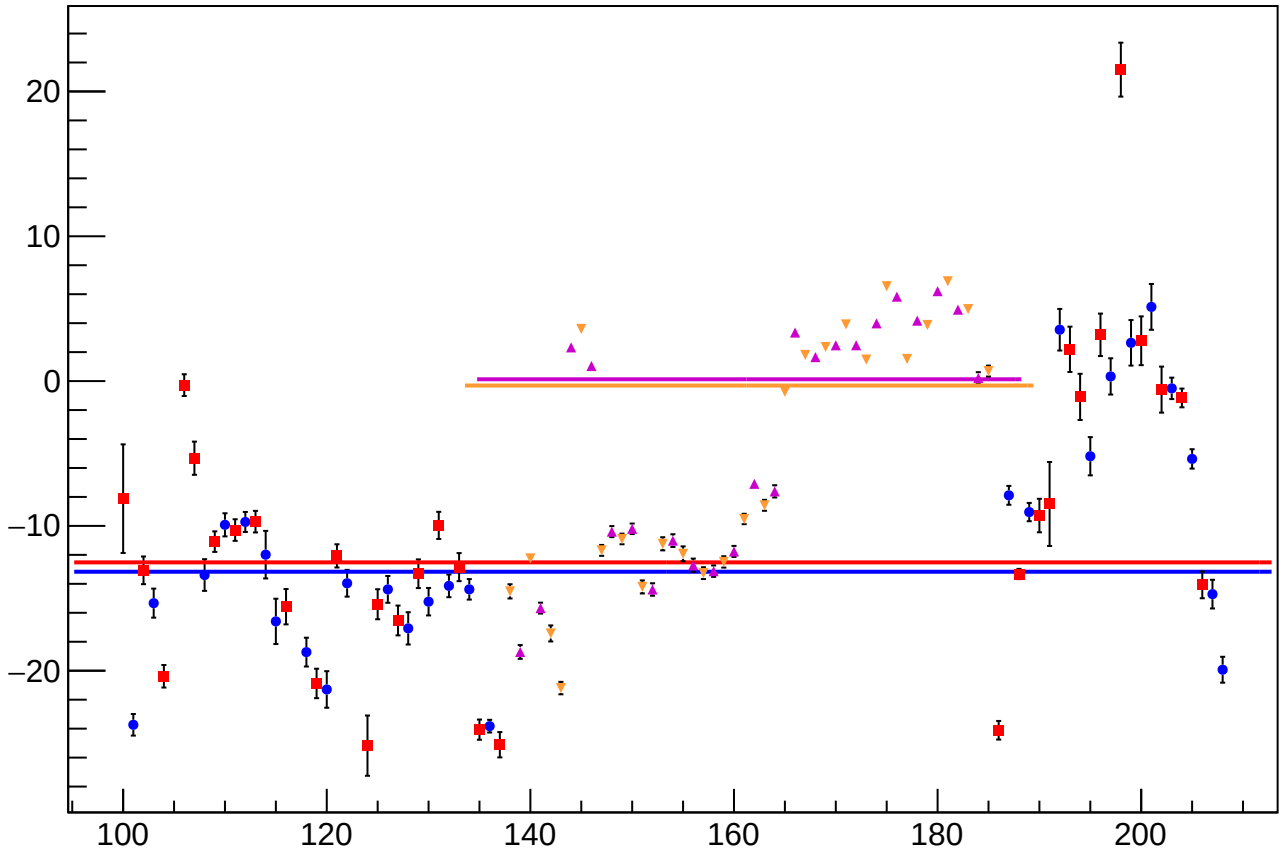
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.609+/-0.123 χ^2/NDF: 823.2/57

In: -6.282+/-0.043 χ^2/NDF:2324.8/49

Out: -6.077+/-0.043 χ^2/NDF:2247.3/55

All: -6.180+/-0.030 χ^2/NDF: 4583.5/105



Right In: -13.165+/-0.166 χ^2/NDF: 2061.1/26

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.518+/-0.158 χ^2/NDF: 2439.1/30

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

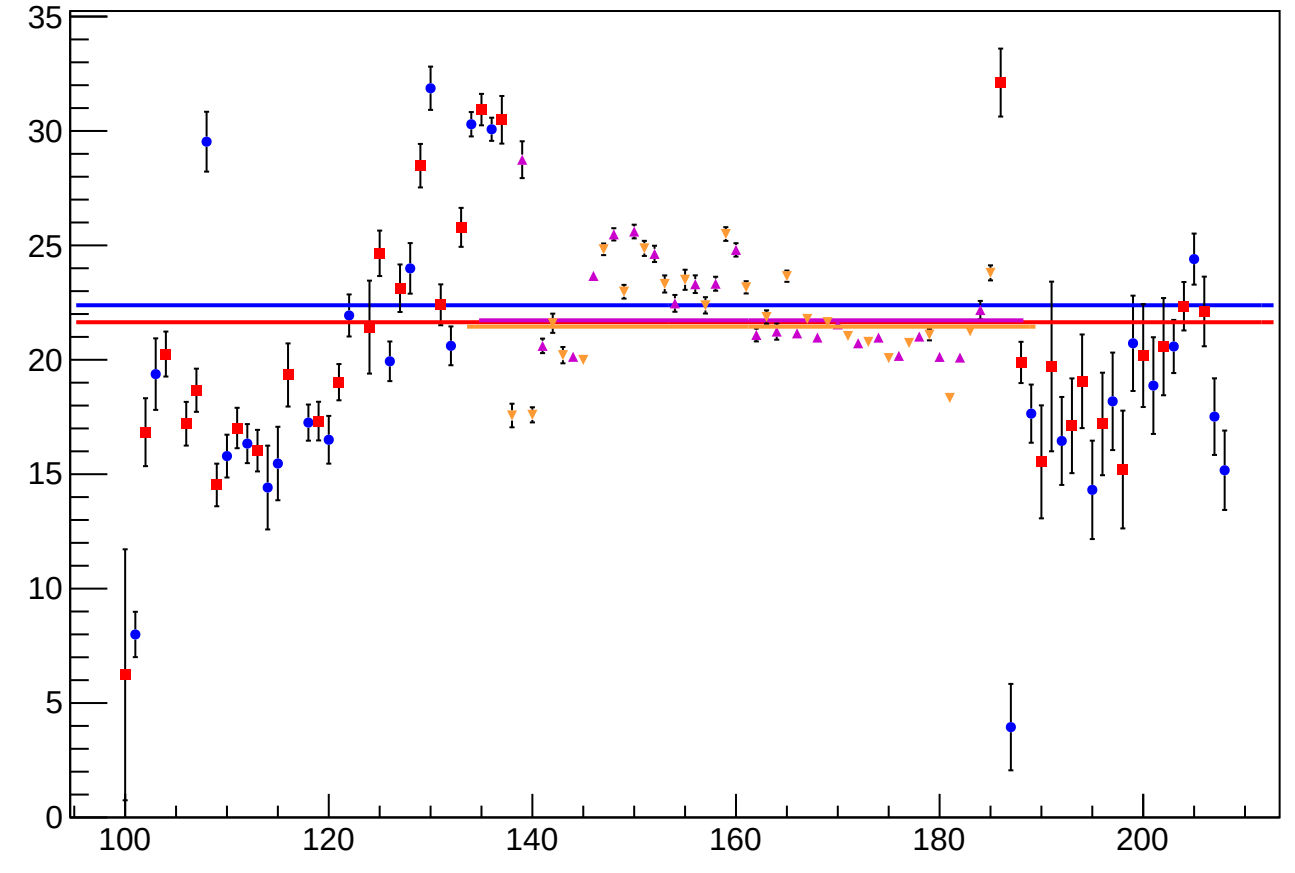
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -12.827+/-0.114 χ^2/NDF: 4508.2/57

In: -1.284+/-0.054 χ^2/NDF:21664.4/49

Out: -1.692+/-0.053 χ^2/NDF:24911.5/55

All: -1.491+/-0.038 χ^2/NDF: 46604.8/105



Right In: 22.383+/-0.199 χ^2/NDF: 1194.1/26

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.642+/-0.203 χ^2/NDF: 636.1/30

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

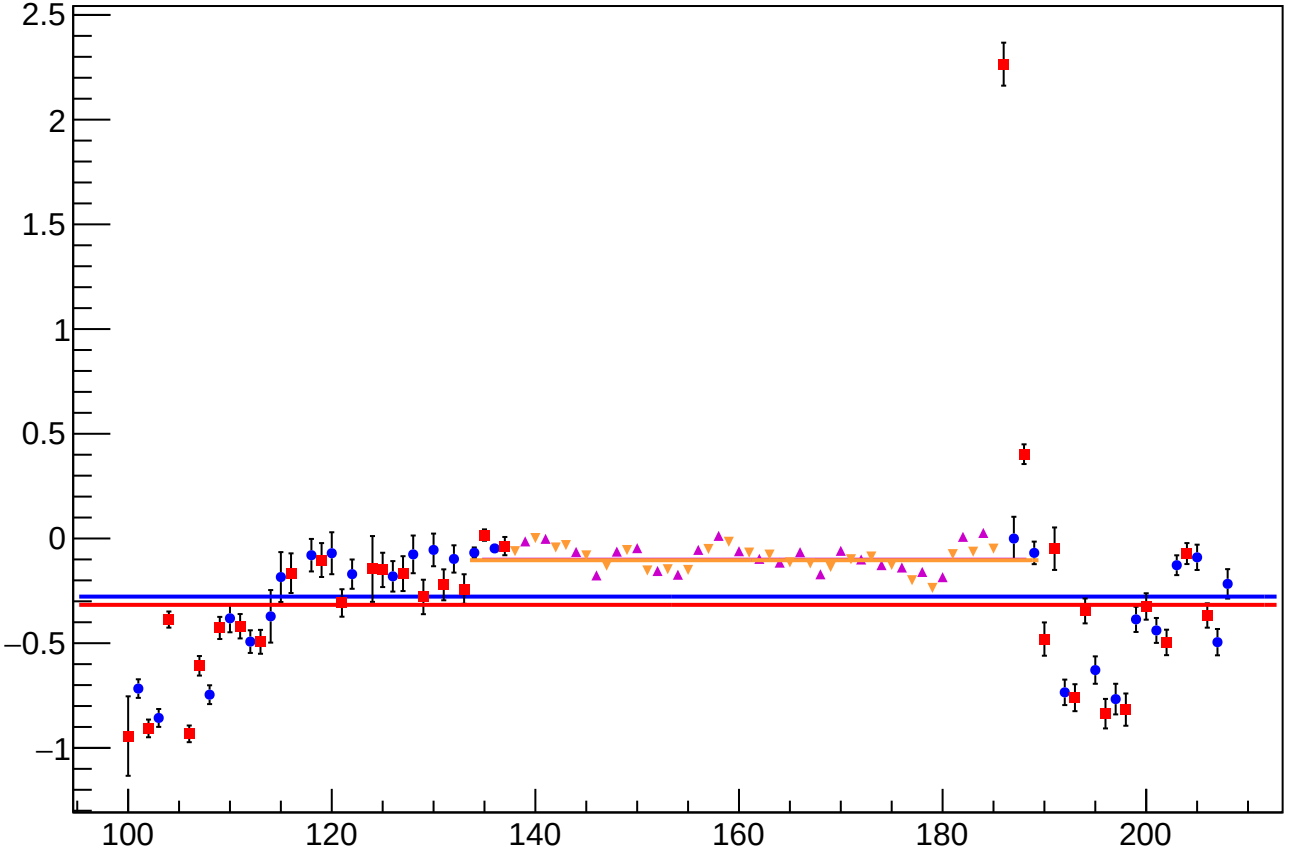
Right: 22.020+/-0.142 χ^2/NDF: 1837.0/57

In: 21.764+/-0.048 χ^2/NDF:2378.2/49

Out: 21.458+/-0.048 χ^2/NDF:1962.2/55

All: 21.611+/-0.034 χ^2/NDF: 4360.6/105

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.278+/-0.010 χ^2/NDF: 834.1/26

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.317+/-0.010 χ^2/NDF: 1773.2/30

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

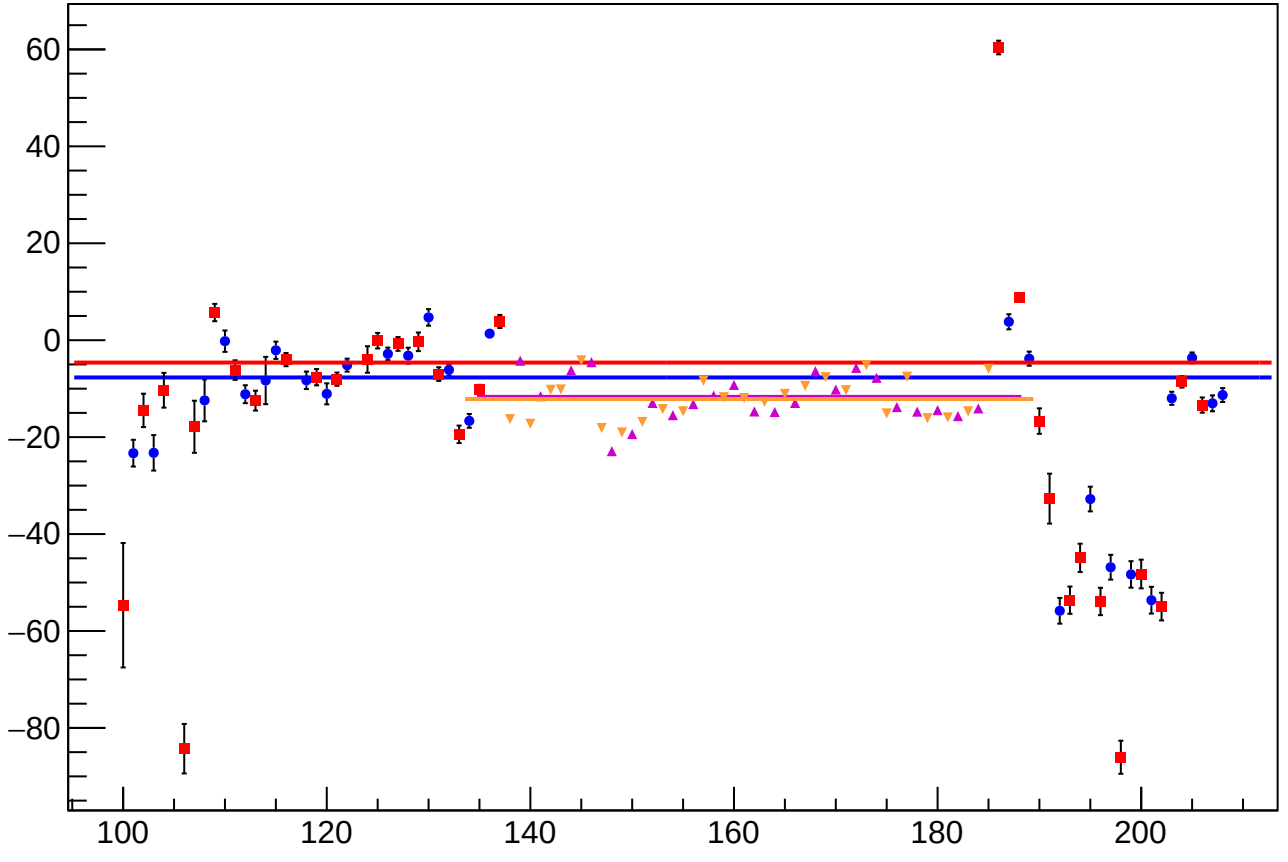
Right: -0.296+/-0.007 χ^2/NDF: 2615.0/57

In: -0.110+/-0.002 χ^2/NDF:1893.7/49

Out: -0.113+/-0.002 χ^2/NDF:2732.0/55

All: -0.112+/-0.002 χ^2/NDF: 4626.8/105

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.685+/-0.306 χ^2/NDF: 1634.0/26

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.617+/-0.316 χ^2/NDF: 4874.9/30

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

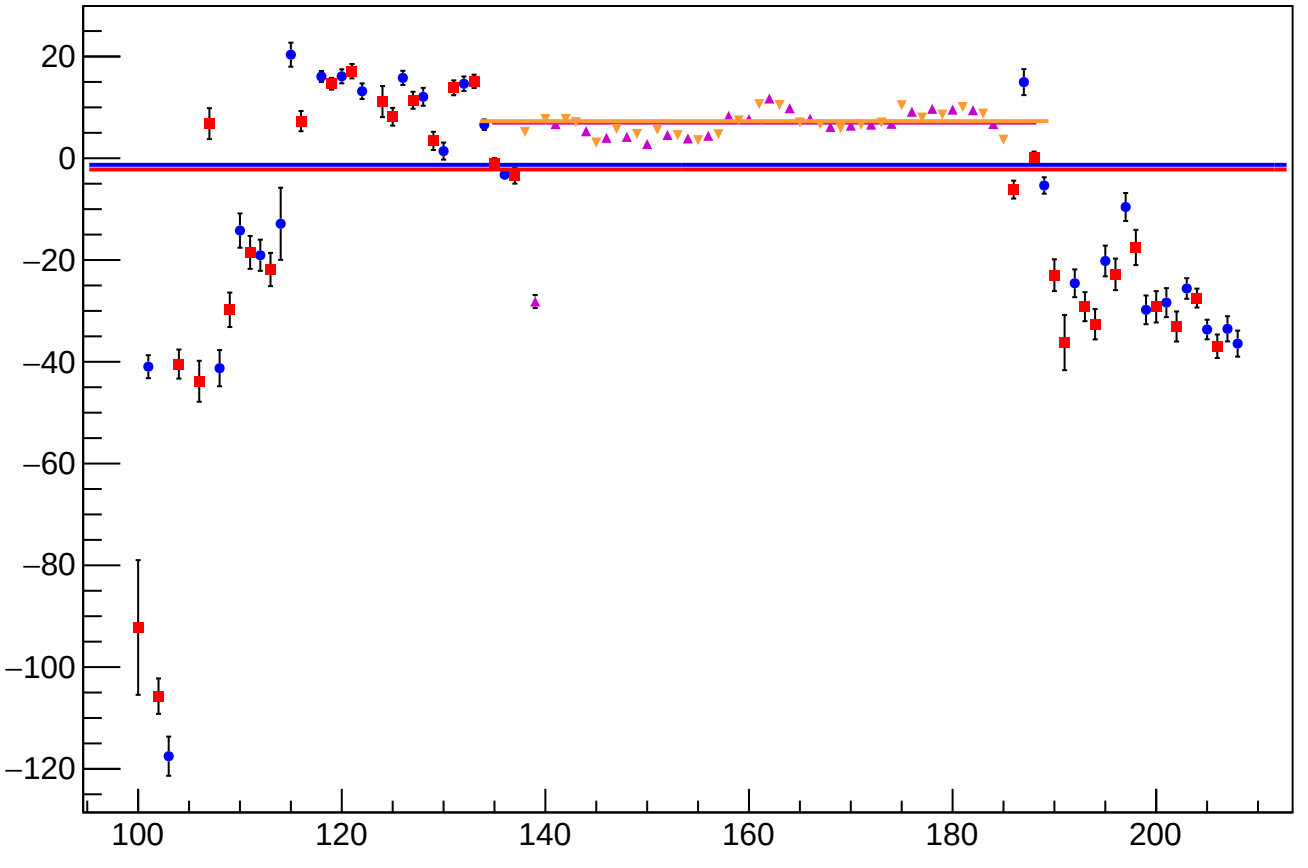
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -6.197+/-0.220 χ^2/NDF: 6557.5/57

In: -11.351+/-0.090 χ^2/NDF:3741.7/49

Out: -11.560+/-0.088 χ^2/NDF:7529.5/55

All: -11.458+/-0.063 χ^2/NDF: 11274.0/105



Right In: -1.288+/-0.338 χ^2/NDF: 3526.1/26

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -2.207+/-0.355 χ^2/NDF: 3151.6/30

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

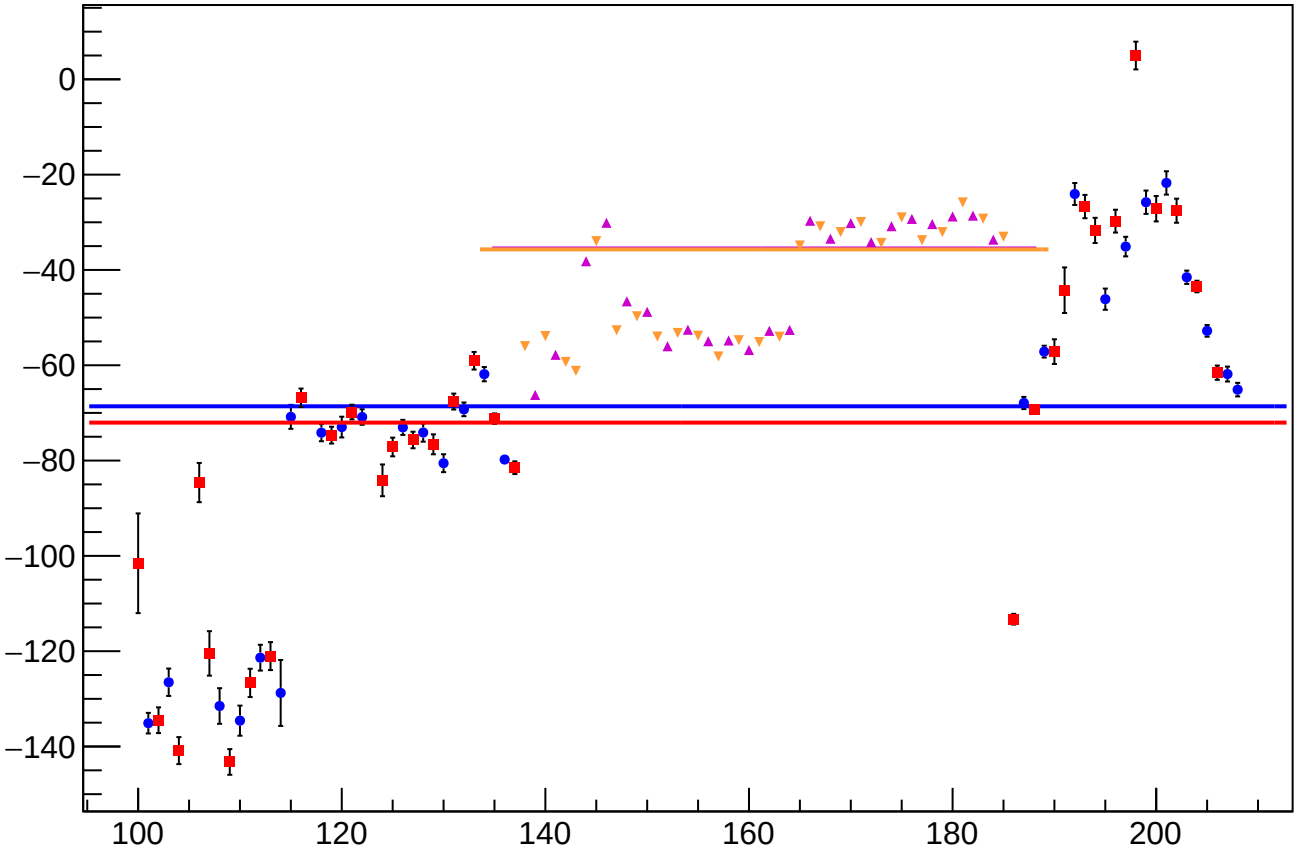
Right: -1.725+/-0.245 χ^2/NDF: 6681.2/57

In: 6.606+/-0.074 χ^2/NDF:5674.1/49

Out: 6.891+/-0.073 χ^2/NDF:4660.6/55

All: 6.750+/-0.052 χ^2/NDF: 10342.2/105

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.614+/-0.315 χ^2/NDF: 4954.1/26

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.034+/-0.316 χ^2/NDF: 6929.7/30

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

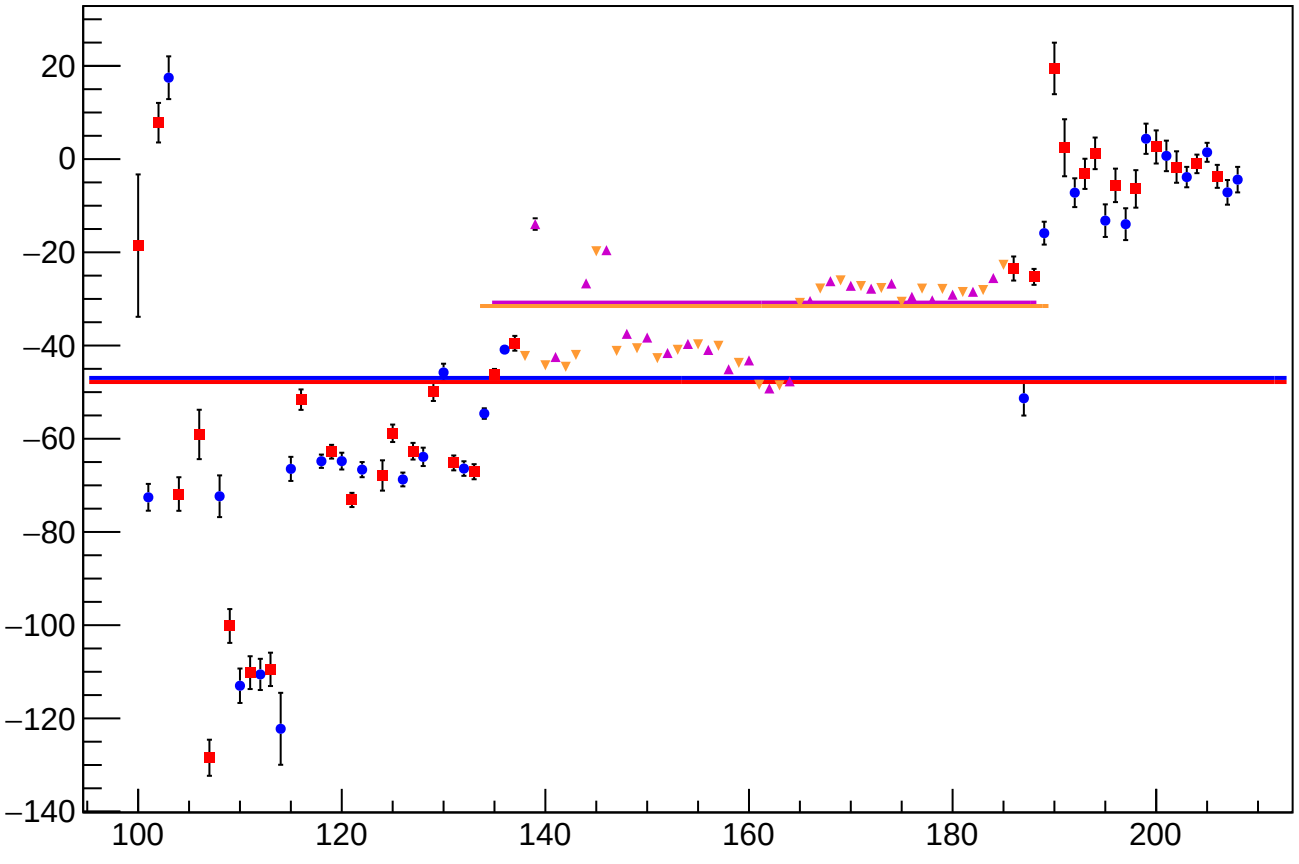
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -70.318+/-0.223 χ^2/NDF: 11942.4/57

In: -38.230+/-0.091 χ^2/NDF:26233.5/49

Out: -38.537+/-0.089 χ^2/NDF:31869.9/55

All: -38.387+/-0.063 χ^2/NDF: 58109.3/105



Right In: -46.950+/-0.380 χ^2/NDF: 4489.6/26

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -47.830+/-0.409 χ^2/NDF: 4674.5/30

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

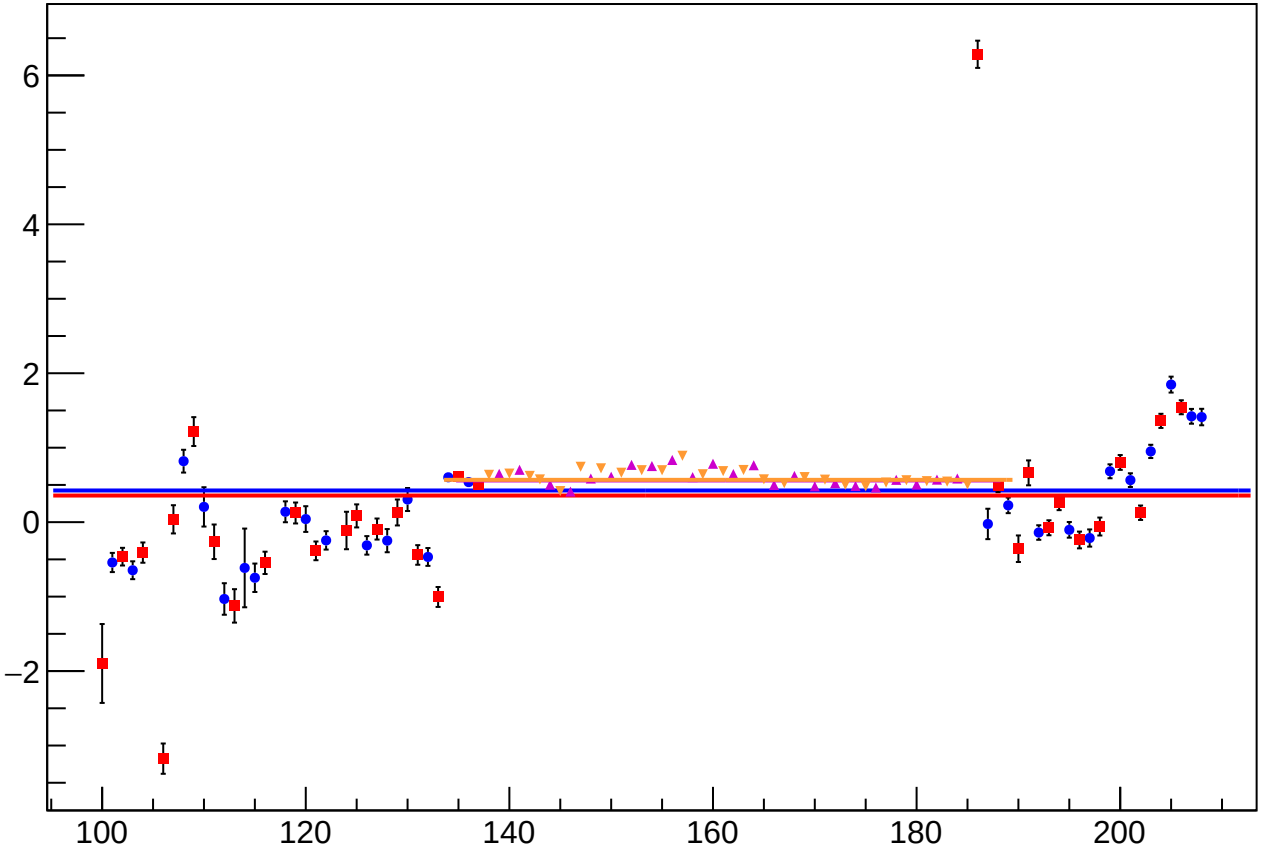
Right: -47.358+/-0.278 χ^2/NDF: 9166.5/57

In: -31.549+/-0.082 χ^2/NDF:13766.5/49

Out: -32.162+/-0.081 χ^2/NDF:14661.1/55

All: -31.860+/-0.058 χ^2/NDF: 28455.8/105

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.425+/-0.019 χ^2/NDF: 902.7/26

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.357+/-0.020 χ^2/NDF: 2172.5/30

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

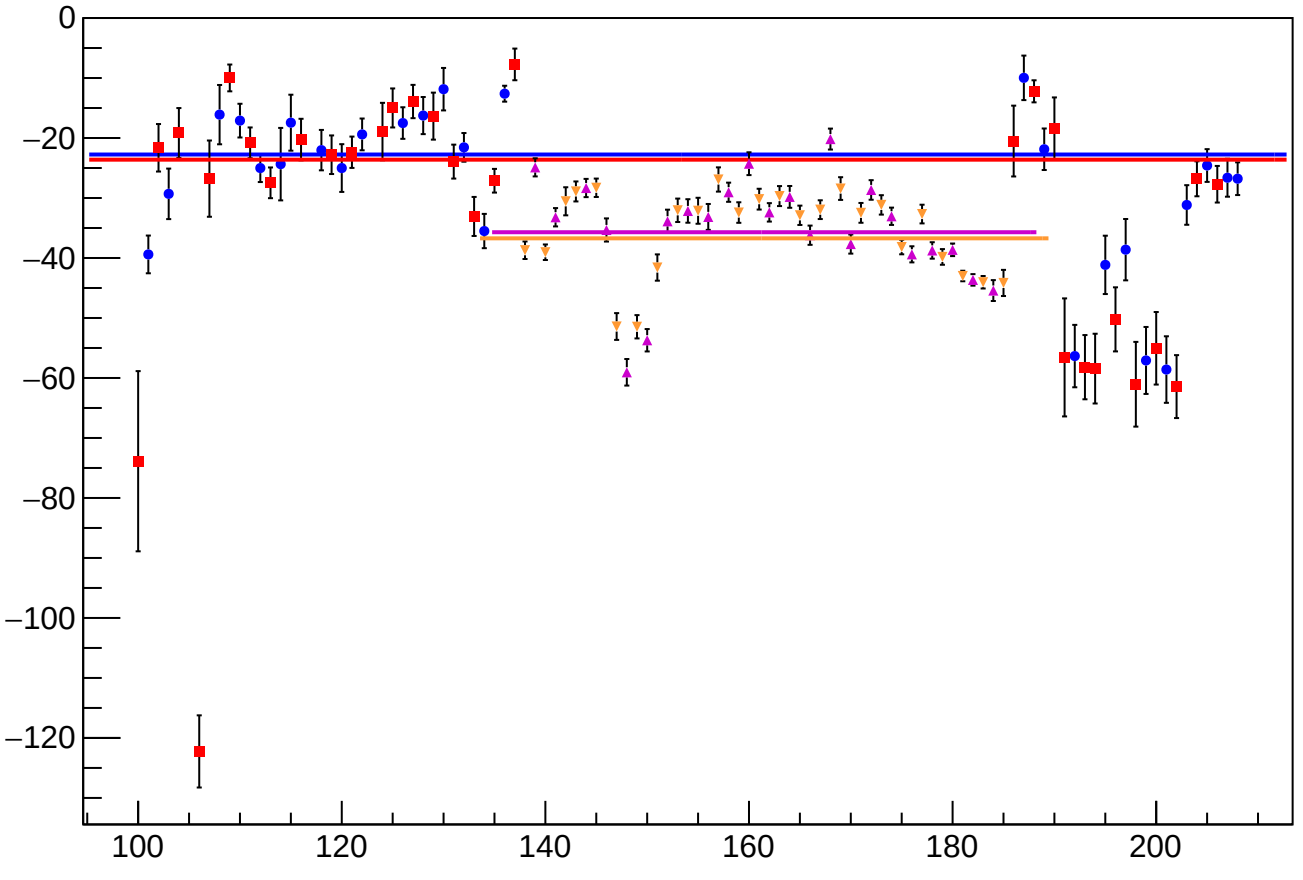
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.394+/-0.014 χ^2/NDF: 3081.3/57

In: 0.555+/-0.004 χ^2/NDF:1624.8/49

Out: 0.561+/-0.004 χ^2/NDF:2832.0/55

All: 0.558+/-0.003 χ^2/NDF: 4458.6/105



Right In: -22.753+/-0.590 χ^2/NDF: 304.8/26

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.611+/-0.604 χ^2/NDF: 658.7/30

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

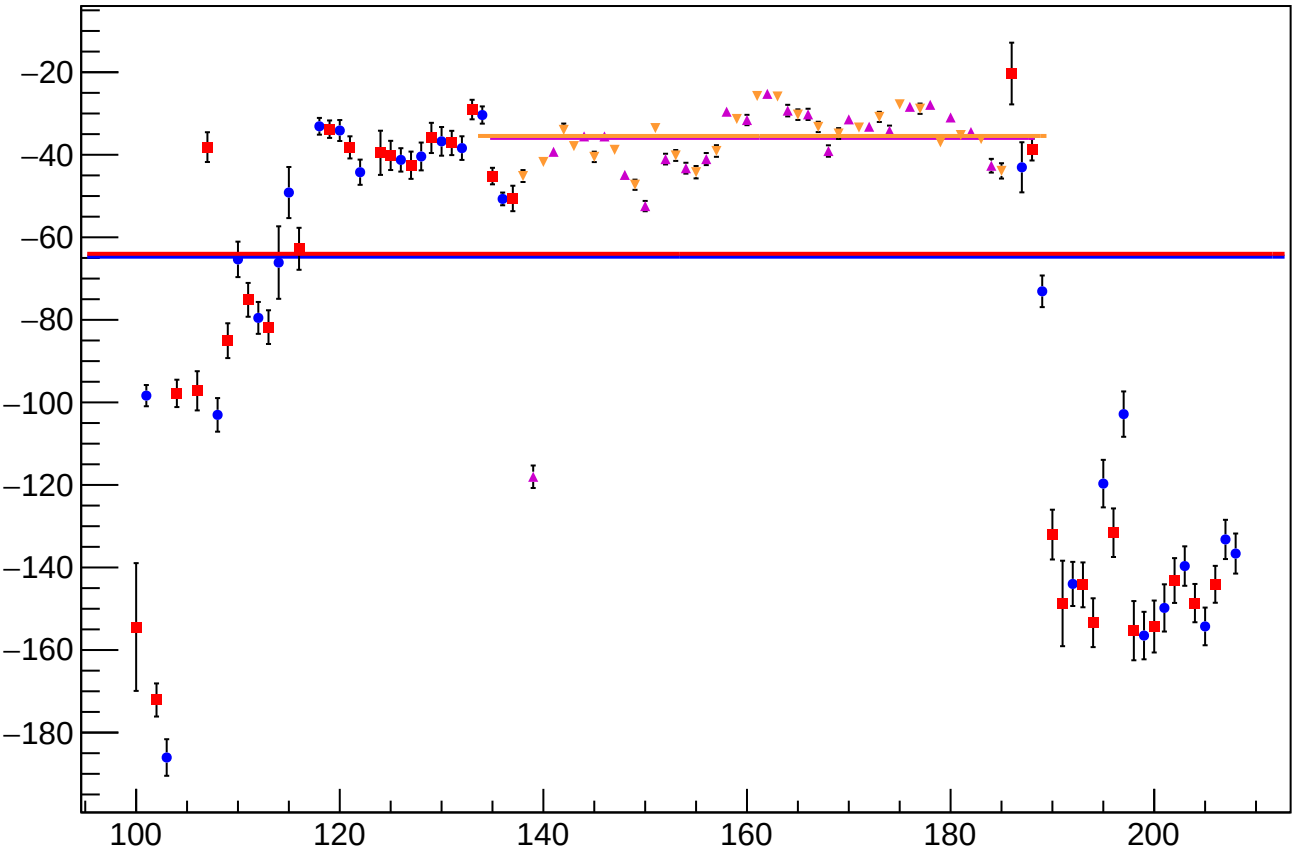
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -23.173+/-0.422 χ^2/NDF: 964.6/57

In: -32.719+/-0.283 χ^2/NDF:1254.0/49

Out: -33.985+/-0.276 χ^2/NDF:1452.8/55

All: -33.369+/-0.198 χ^2/NDF: 2717.0/105



Right In: -64.691+/-0.642 χ^2/NDF: 3995.9/26

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -63.995+/-0.666 χ^2/NDF: 4022.5/30

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

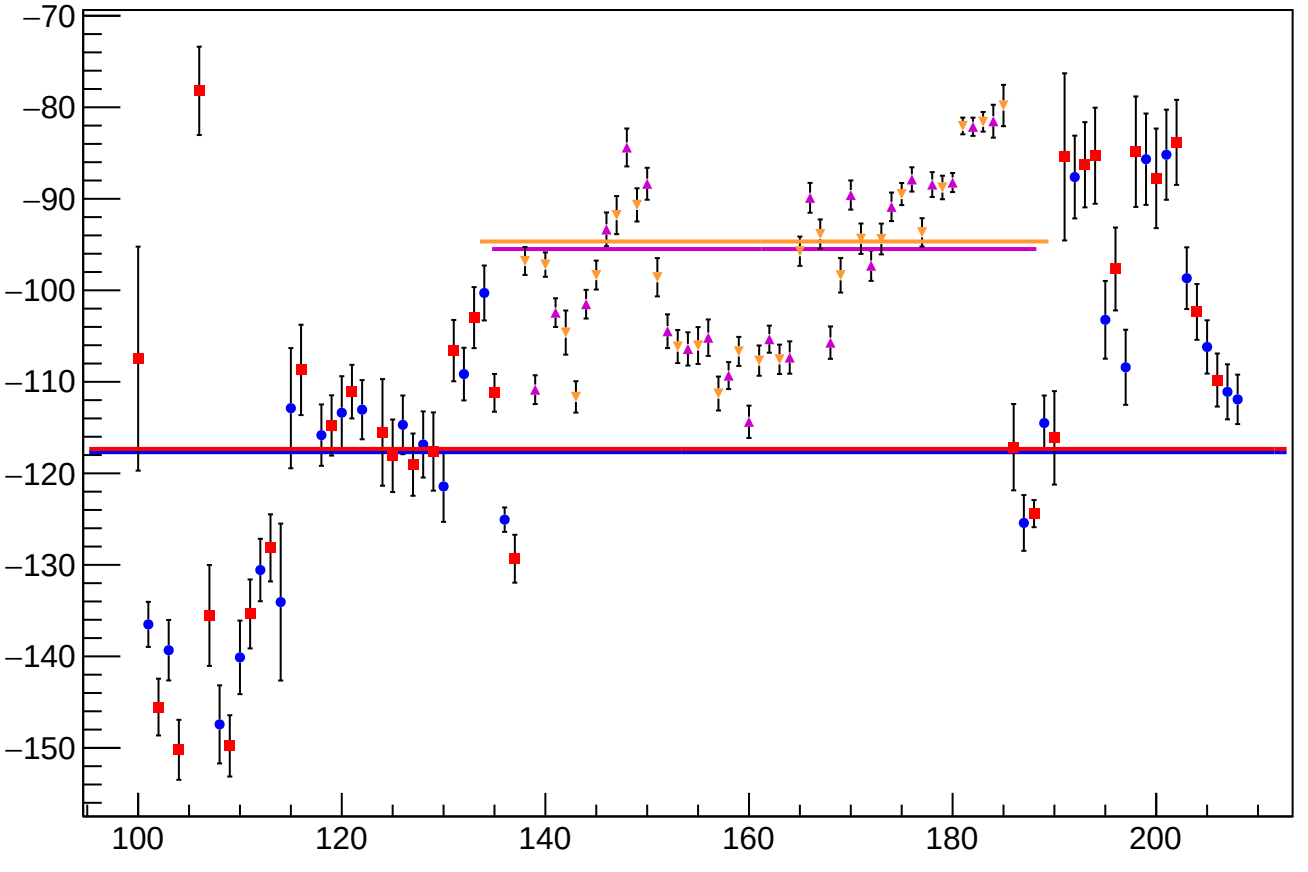
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -64.356+/-0.462 χ^2/NDF: 8019.0/57

In: -39.866+/-0.238 χ^2/NDF:7273.0/49

Out: -38.841+/-0.230 χ^2/NDF:6178.5/55

All: -39.336+/-0.165 χ^2/NDF: 13461.1/105



Right In: -117.687+/-0.609 χ^2/NDF: 487.7/26

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.330+/-0.623 χ^2/NDF: 730.4/30

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

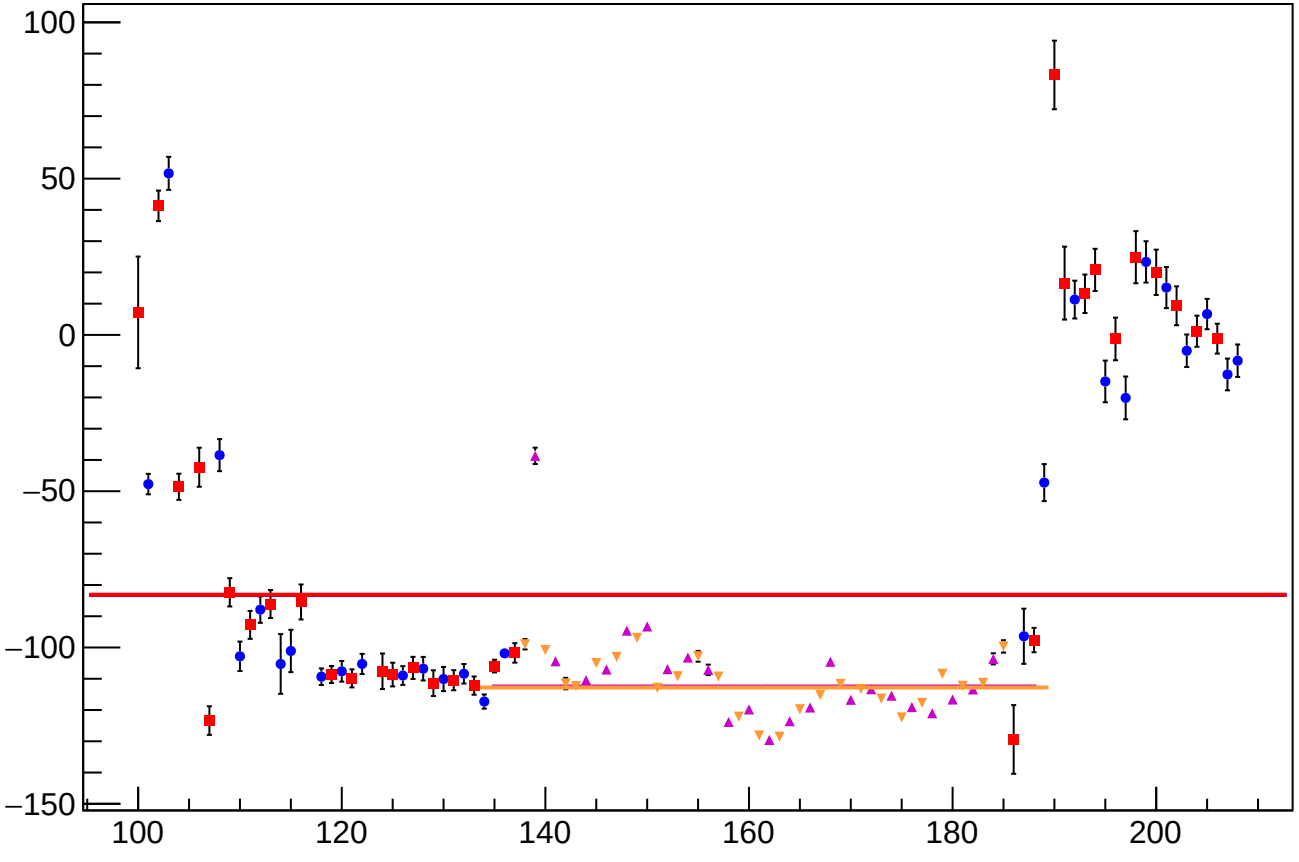
Right: -117.512+/-0.436 χ^2/NDF: 1218.2/57

In: -100.317+/-0.284 χ^2/NDF:2496.6/49

Out: -99.152+/-0.277 χ^2/NDF:2690.6/55

All: -99.721+/-0.198 χ^2/NDF: 5195.8/105

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -83.195+/-0.725 χ^2/NDF: 3596.6/26

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -83.118+/-0.764 χ^2/NDF: 3660.4/30

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

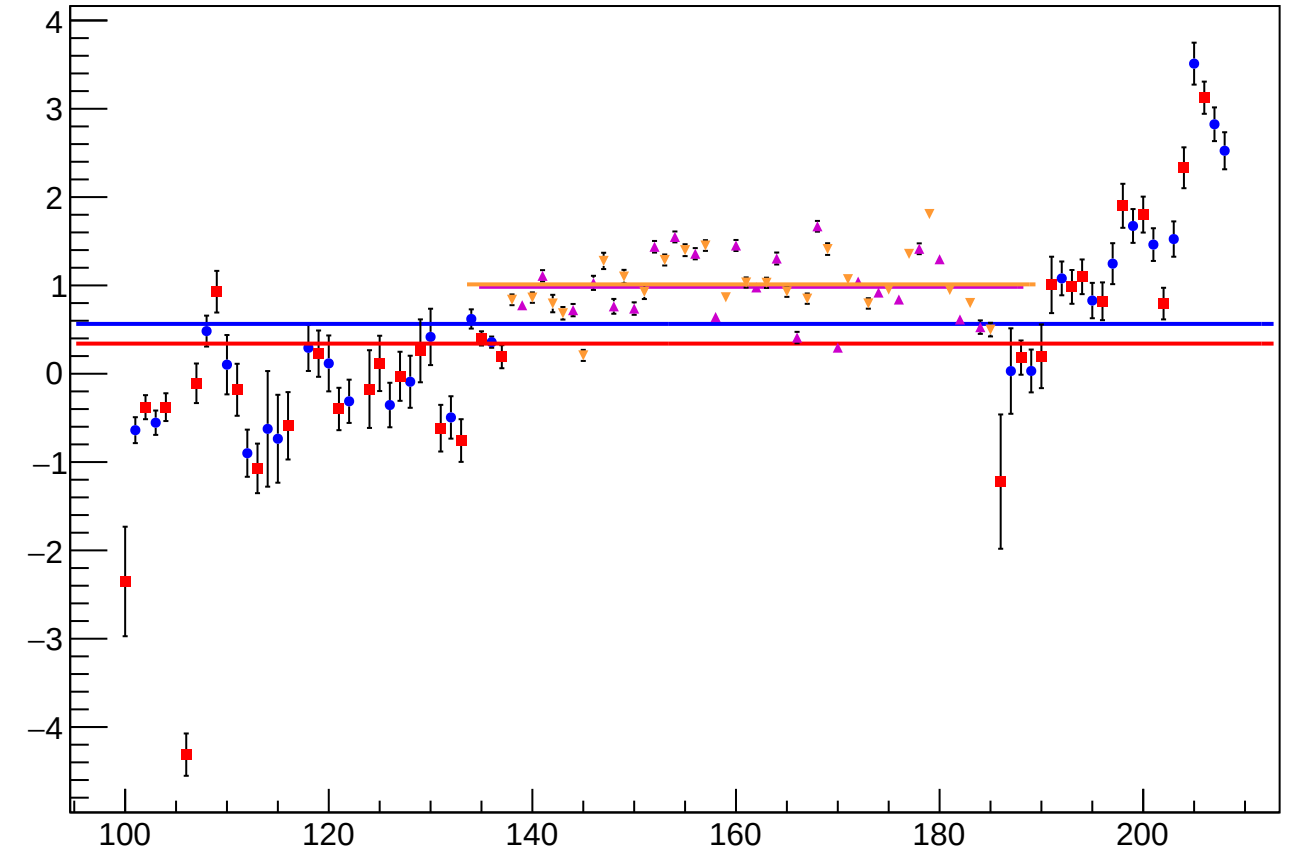
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -83.158+/-0.526 χ^2/NDF: 7257.0/57

In: -108.549+/-0.265 χ^2/NDF:6798.2/49

Out: -109.414+/-0.258 χ^2/NDF:5932.4/55

All: -108.993+/-0.185 χ^2/NDF: 12736.0/105



Right In: 0.564+/-0.035 χ^2/NDF: 725.3/26

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.341+/-0.037 χ^2/NDF: 984.1/30

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

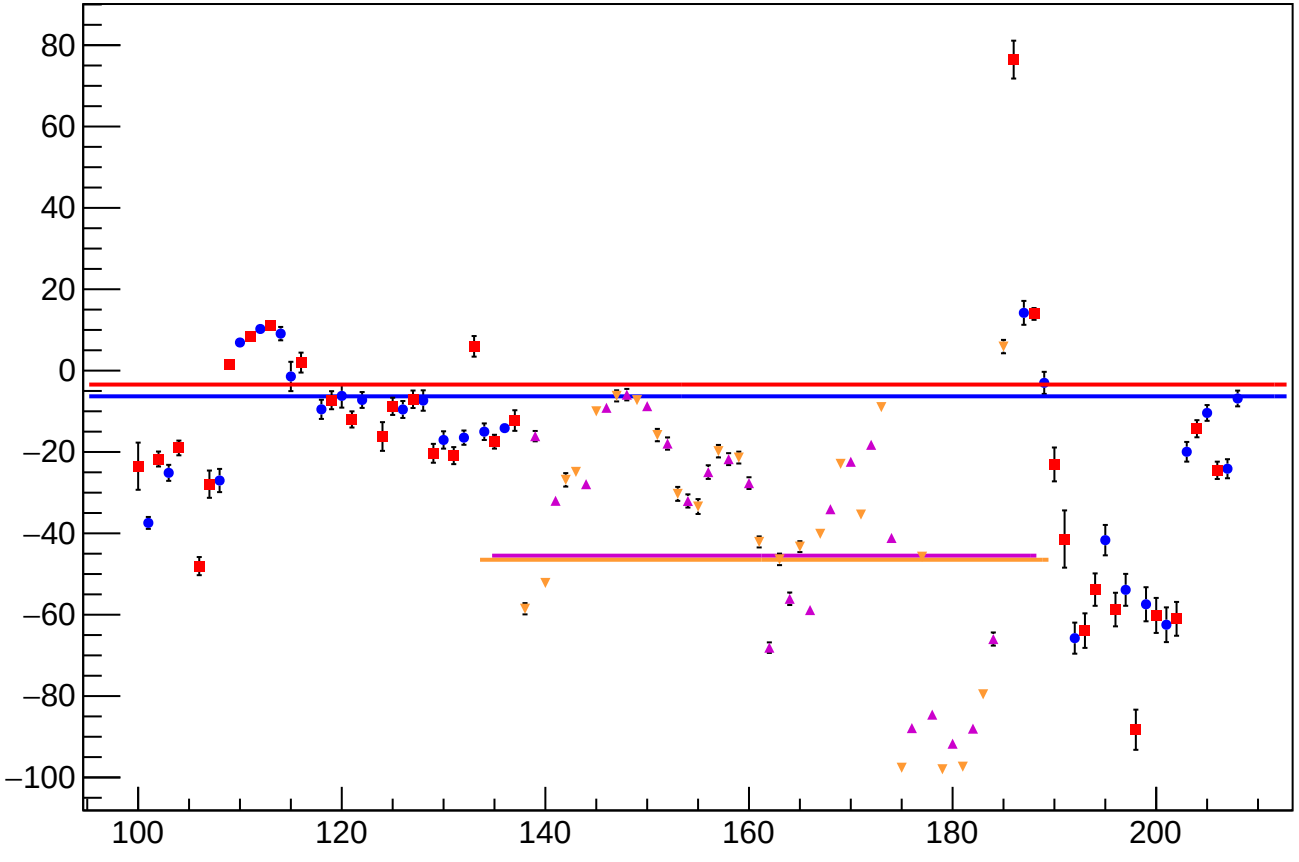
Right: 0.459+/-0.025 χ^2/NDF: 1728.8/57

In: 0.936+/-0.012 χ^2/NDF:1754.8/49

Out: 0.945+/-0.012 χ^2/NDF:1973.9/55

All: 0.940+/-0.008 χ^2/NDF: 3729.0/105

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.319+/-0.343 χ^2/NDF: 2529.4/26

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.426+/-0.315 χ^2/NDF: 3374.4/30

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

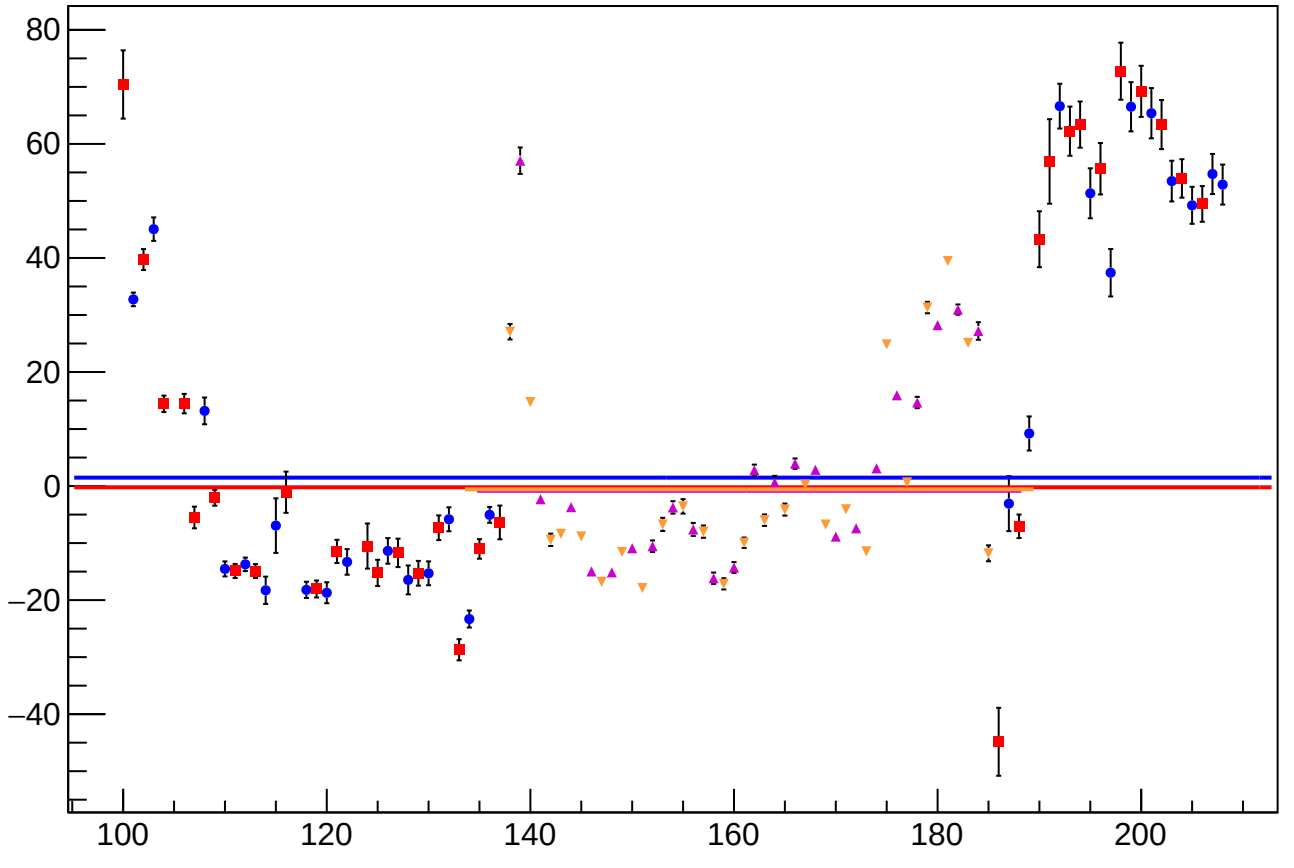
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -4.748+/-0.232 χ^2/NDF: 5942.4/57

In: -32.782+/-0.195 χ^2/NDF:26908.9/49

Out: -31.482+/-0.186 χ^2/NDF:35633.1/55

All: -32.099+/-0.135 χ^2/NDF: 62565.3/105



Right In: 1.478+/-0.403 χ^2/NDF: 4152.3/26

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -0.215+/-0.394 χ^2/NDF: 3661.0/30

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

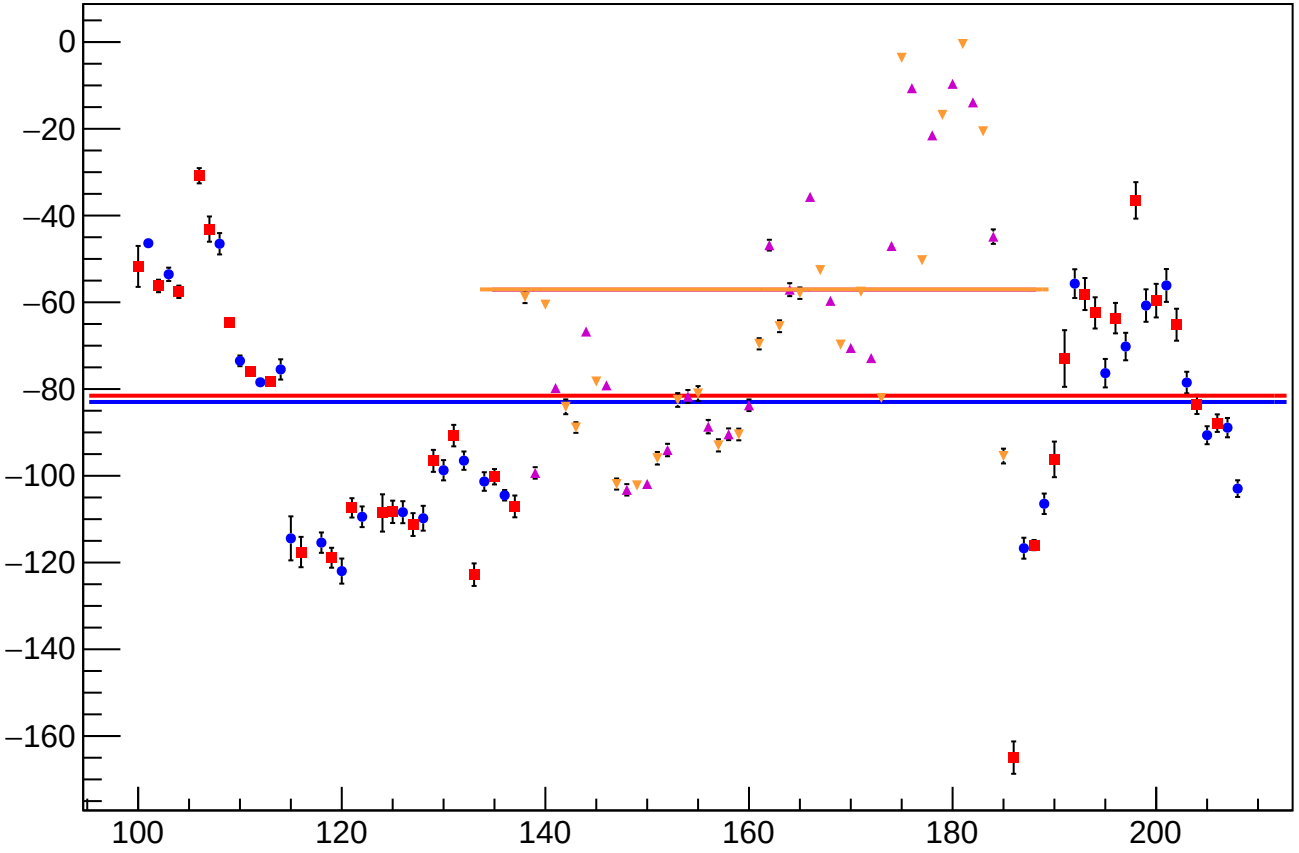
Right: 0.613+/-0.282 χ^2/NDF: 7822.3/57

In: -0.434+/-0.167 χ^2/NDF:10296.0/49

Out: -0.512+/-0.162 χ^2/NDF:12113.2/55

All: -0.474+/-0.116 χ^2/NDF: 22409.3/105

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.983+/-0.382 χ^2/NDF: 3488.3/26

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.532+/-0.365 χ^2/NDF: 4880.5/30

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

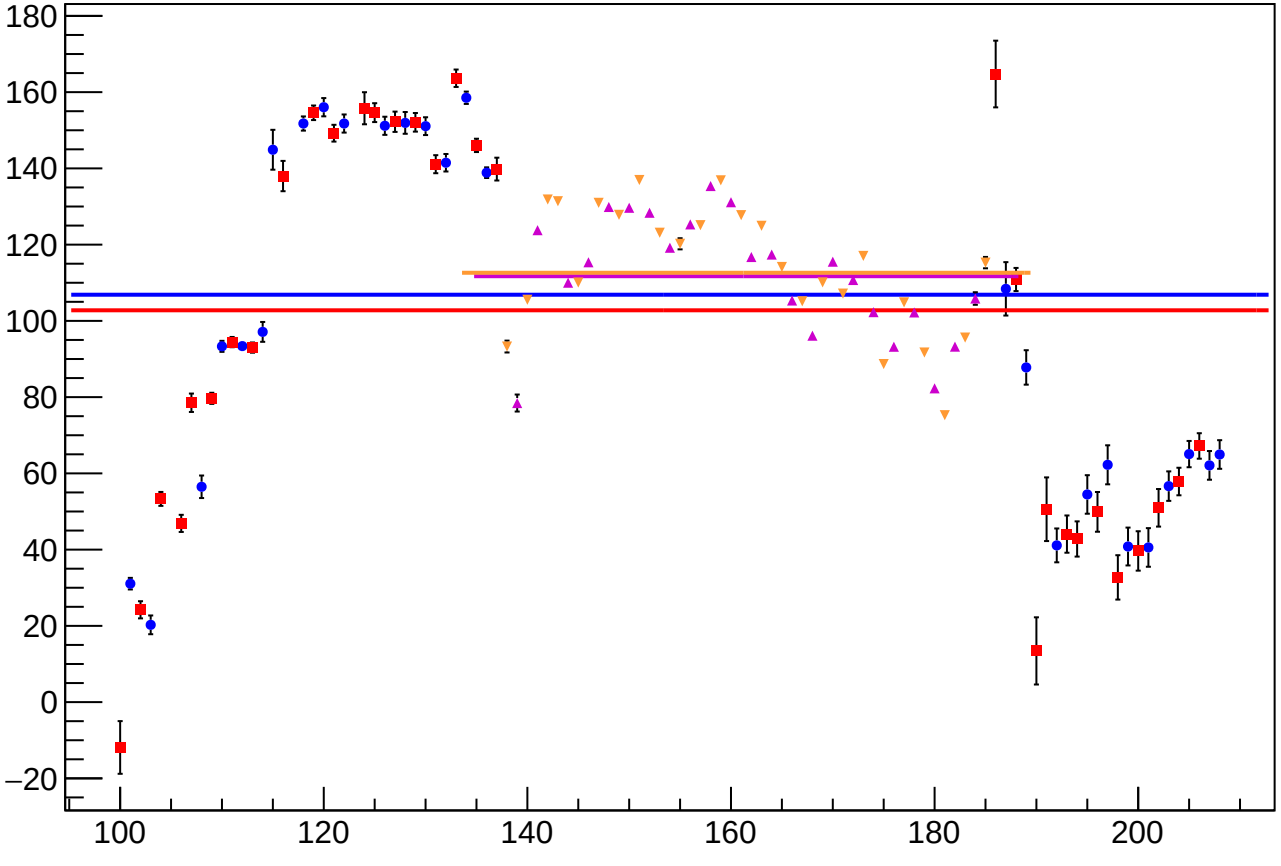
Right: -82.224+/-0.264 χ^2/NDF: 8376.3/57

In: -64.264+/-0.201 χ^2/NDF:23974.1/49

Out: -63.995+/-0.194 χ^2/NDF:28420.1/55

All: -64.125+/-0.140 χ^2/NDF: 52395.1/105

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 106.863+/-0.459 χ^2/NDF: 9719.4/26

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 102.777+/-0.452 χ^2/NDF: 8929.2/30

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

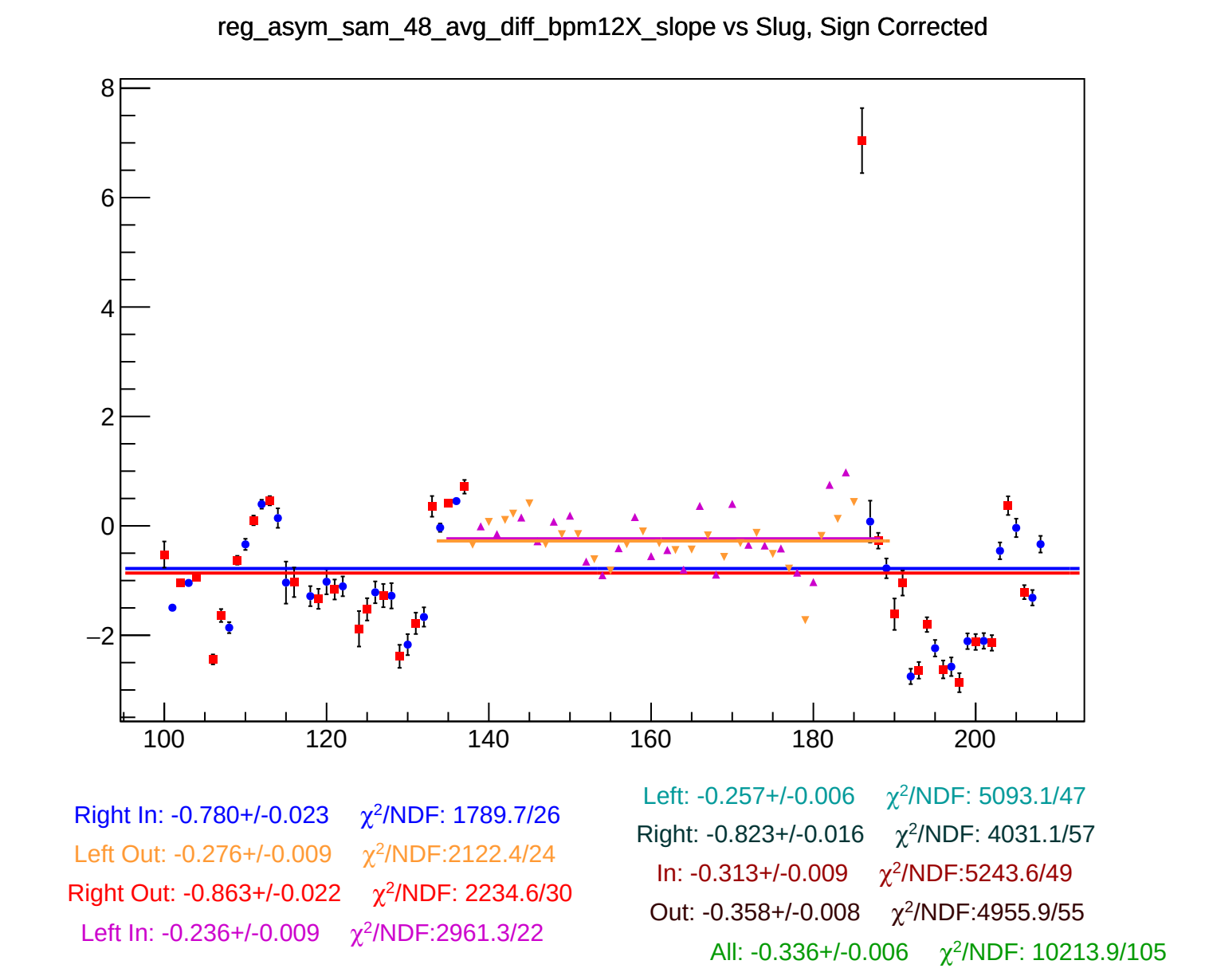
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

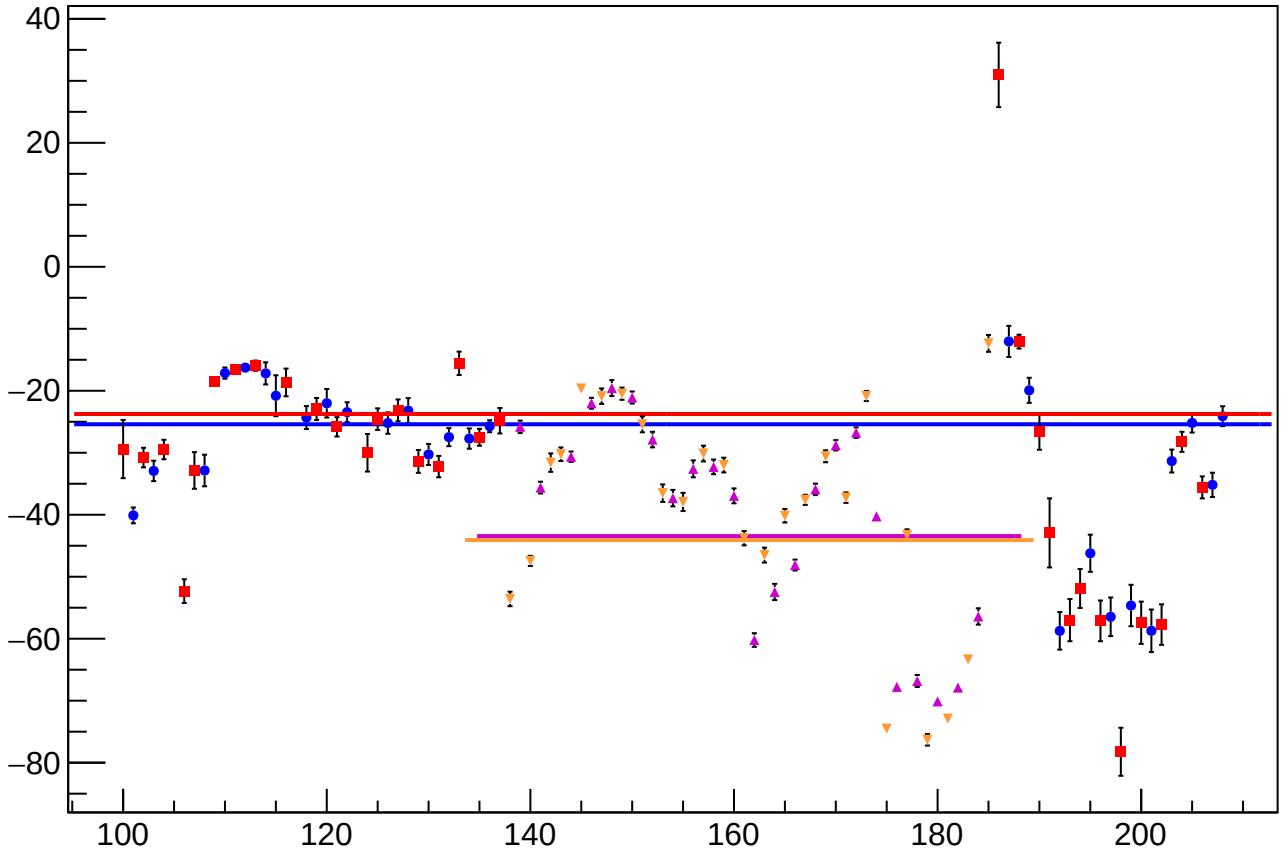
Right: 104.789+/-0.322 χ^2/NDF: 18688.9/57

In: 110.905+/-0.188 χ^2/NDF:14709.5/49

Out: 111.012+/-0.183 χ^2/NDF:16034.6/55

All: 110.960+/-0.131 χ^2/NDF: 30744.2/105


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.780+/-0.023 χ²/NDF: 1789.7/26
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.863+/-0.022 χ²/NDF: 2234.6/30
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.823+/-0.016 χ²/NDF: 4031.1/57
In: -0.313+/-0.009 χ²/NDF:5243.6/49
Out: -0.358+/-0.008 χ²/NDF:4955.9/55
All: -0.336+/-0.006 χ²/NDF: 10213.9/105



Right In: -25.404+/-0.309 χ^2/NDF: 943.7/26

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.747+/-0.290 χ^2/NDF: 1538.0/30

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

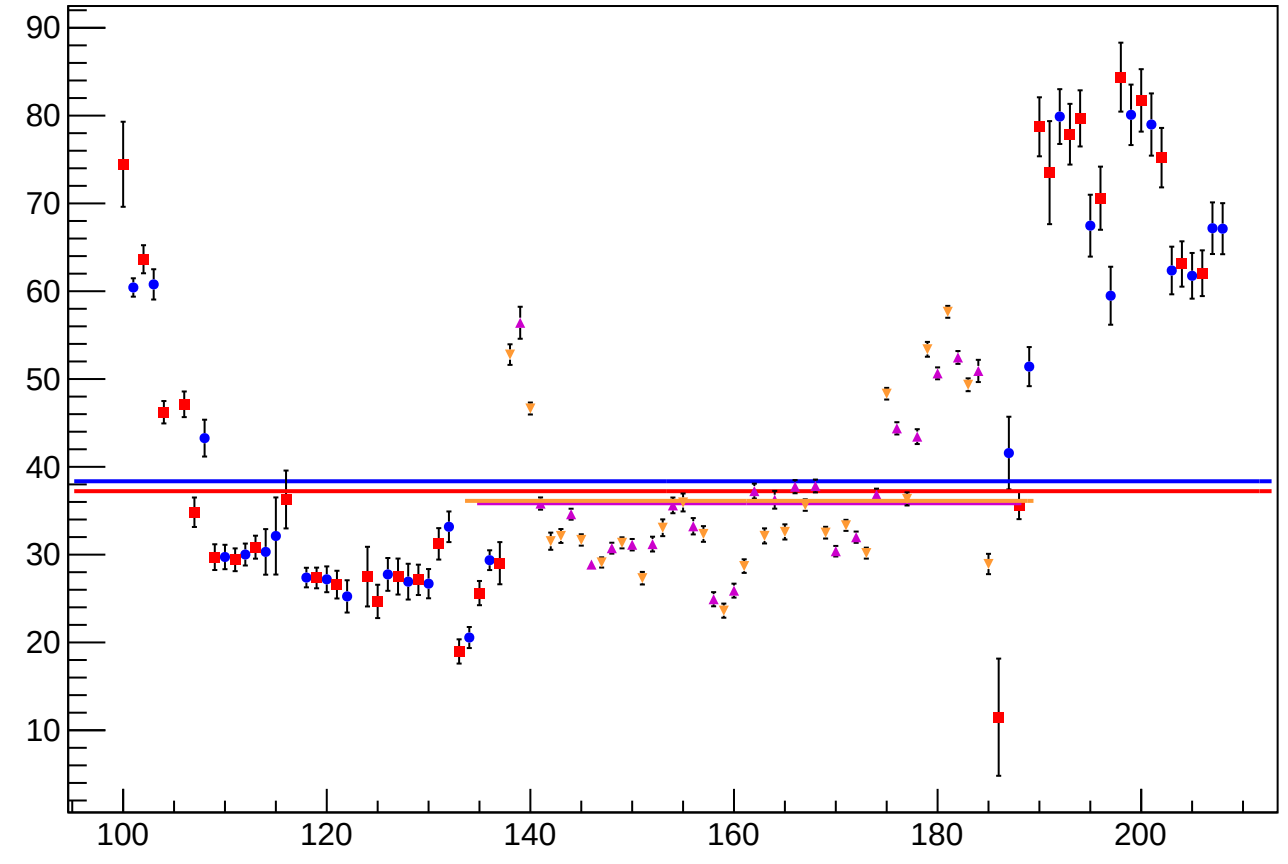
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.525+/-0.211 χ^2/NDF: 2497.0/57

In: -38.156+/-0.167 χ^2/NDF:11180.1/49

Out: -37.847+/-0.161 χ^2/NDF:15284.8/55

All: -37.995+/-0.116 χ^2/NDF: 26466.7/105



Right In: 38.356+/-0.347 χ^2/NDF: 2277.6/26

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 37.227+/-0.343 χ^2/NDF: 2234.3/30

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

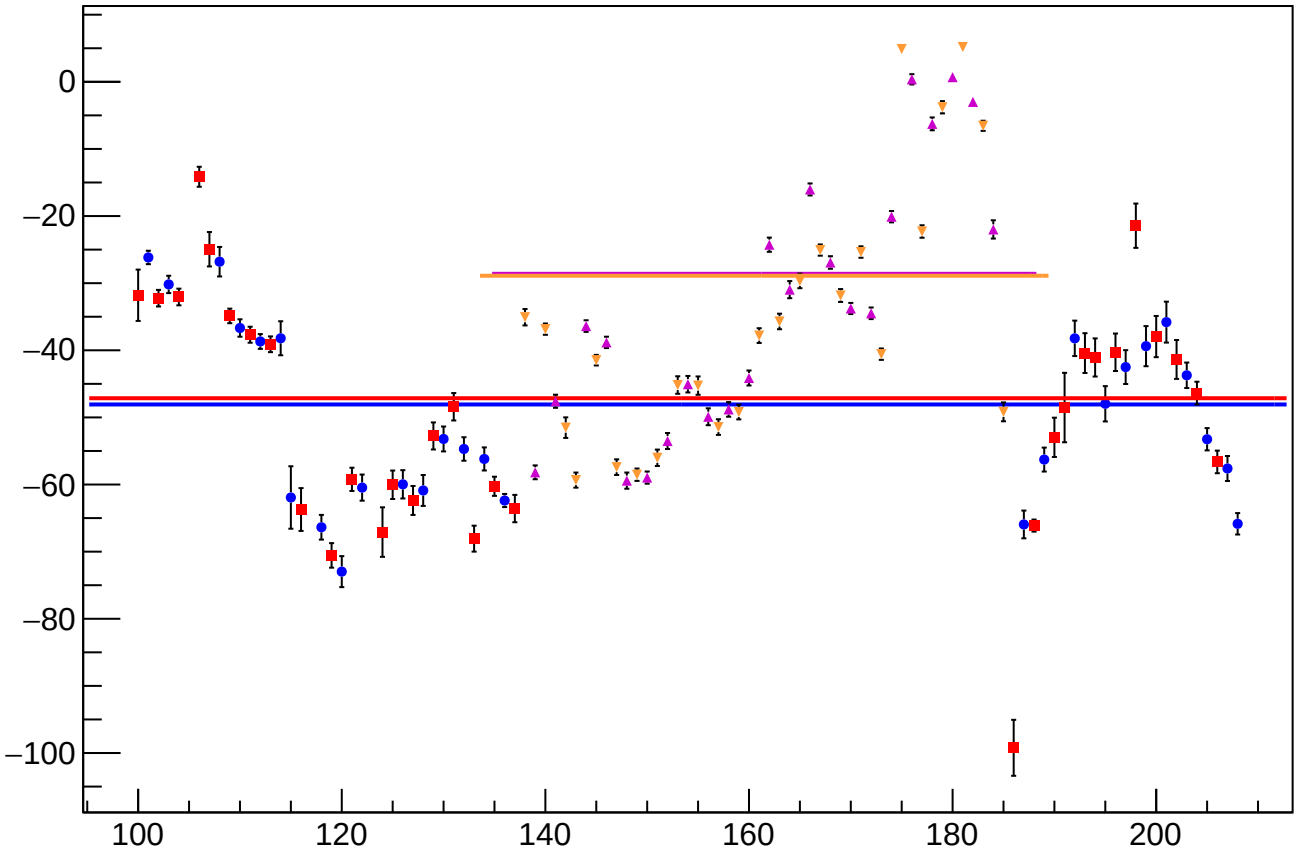
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 37.785+/-0.244 χ^2/NDF: 4517.3/57

In: 36.269+/-0.141 χ^2/NDF:4614.6/49

Out: 36.301+/-0.137 χ^2/NDF:5801.5/55

All: 36.285+/-0.099 χ^2/NDF: 10416.2/105



Right In: -48.072+/-0.331 χ^2/NDF: 1818.6/26

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.142+/-0.319 χ^2/NDF: 2470.9/30

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

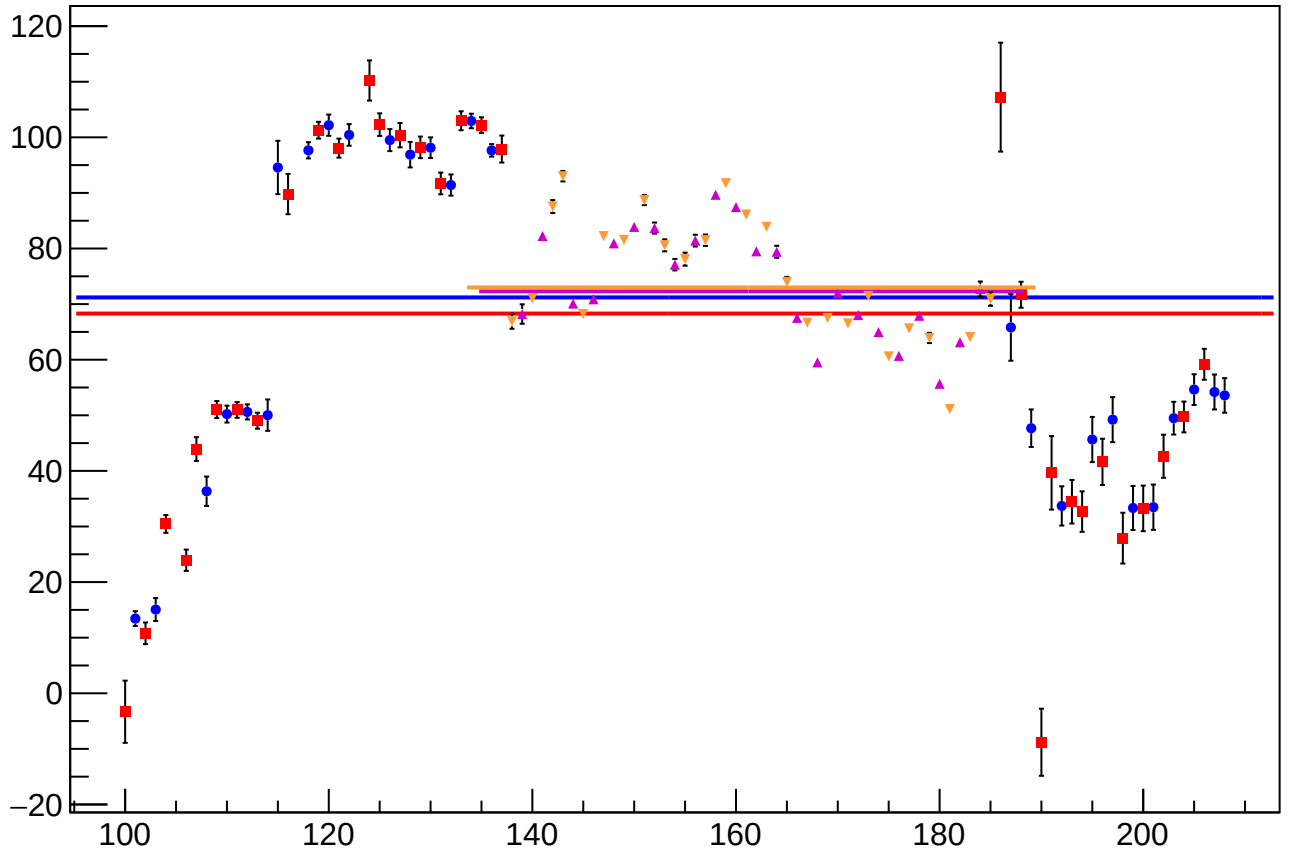
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -47.590+/-0.230 χ^2/NDF: 4293.6/57

In: -33.722+/-0.170 χ^2/NDF:14380.2/49

Out: -33.769+/-0.165 χ^2/NDF:16665.4/55

All: -33.746+/-0.118 χ^2/NDF: 31045.7/105



Right In: 71.204+/-0.396 χ^2/NDF: 6469.3/26

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.297+/-0.395 χ^2/NDF: 6345.8/30

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

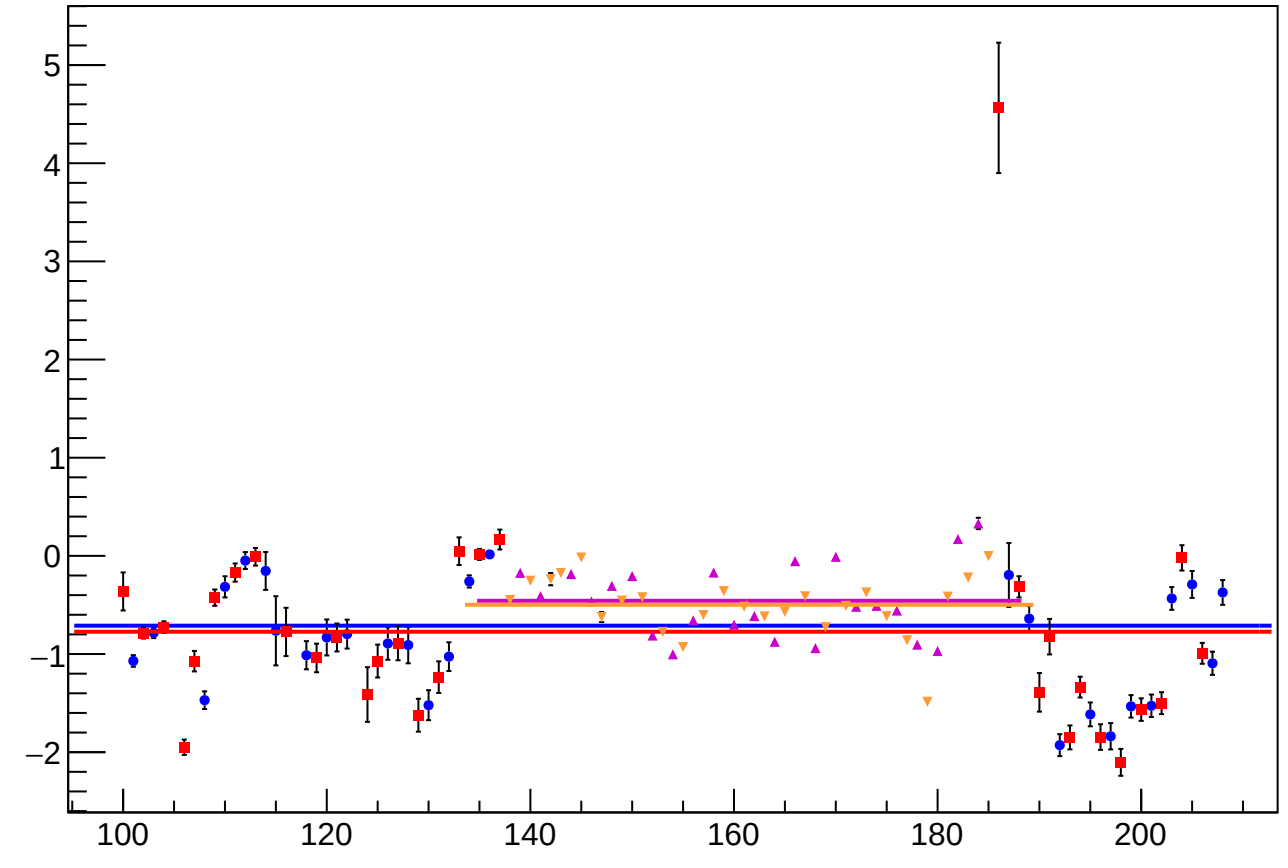
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.747+/-0.280 χ^2/NDF: 12842.0/57

In: 72.126+/-0.159 χ^2/NDF:9388.3/49

Out: 72.279+/-0.155 χ^2/NDF:10518.0/55

All: 72.204+/-0.111 χ^2/NDF: 19906.8/105



Right In: -0.711+/-0.019 χ^2/NDF: 919.7/26

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.773+/-0.019 χ^2/NDF: 1228.6/30

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

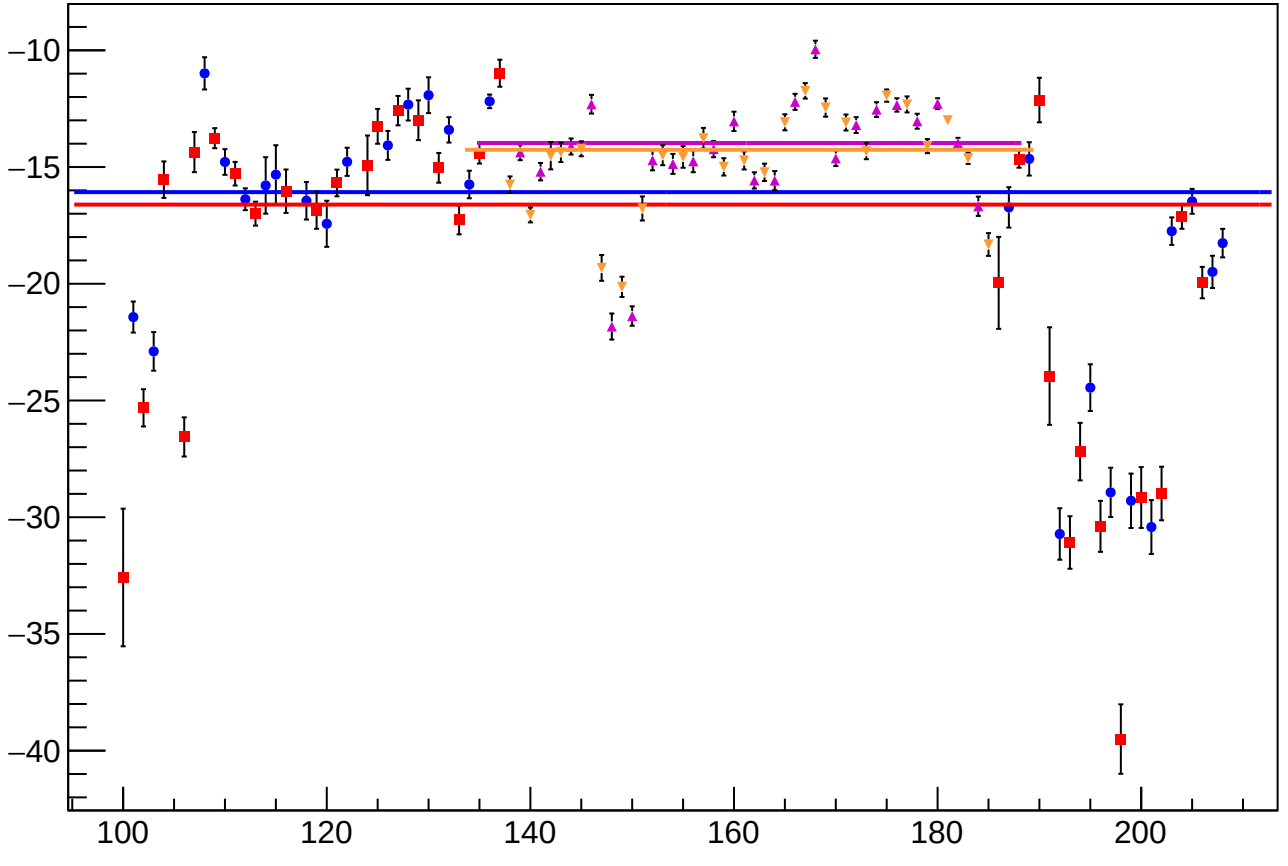
Right: -0.742+/-0.014 χ^2/NDF: 2153.5/57

In: -0.492+/-0.007 χ^2/NDF:3173.2/49

Out: -0.535+/-0.007 χ^2/NDF:2891.0/55

All: -0.514+/-0.005 χ^2/NDF: 6082.4/105

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.075+/-0.126 χ^2/NDF: 1200.2/26

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.609+/-0.126 χ^2/NDF: 1494.7/30

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

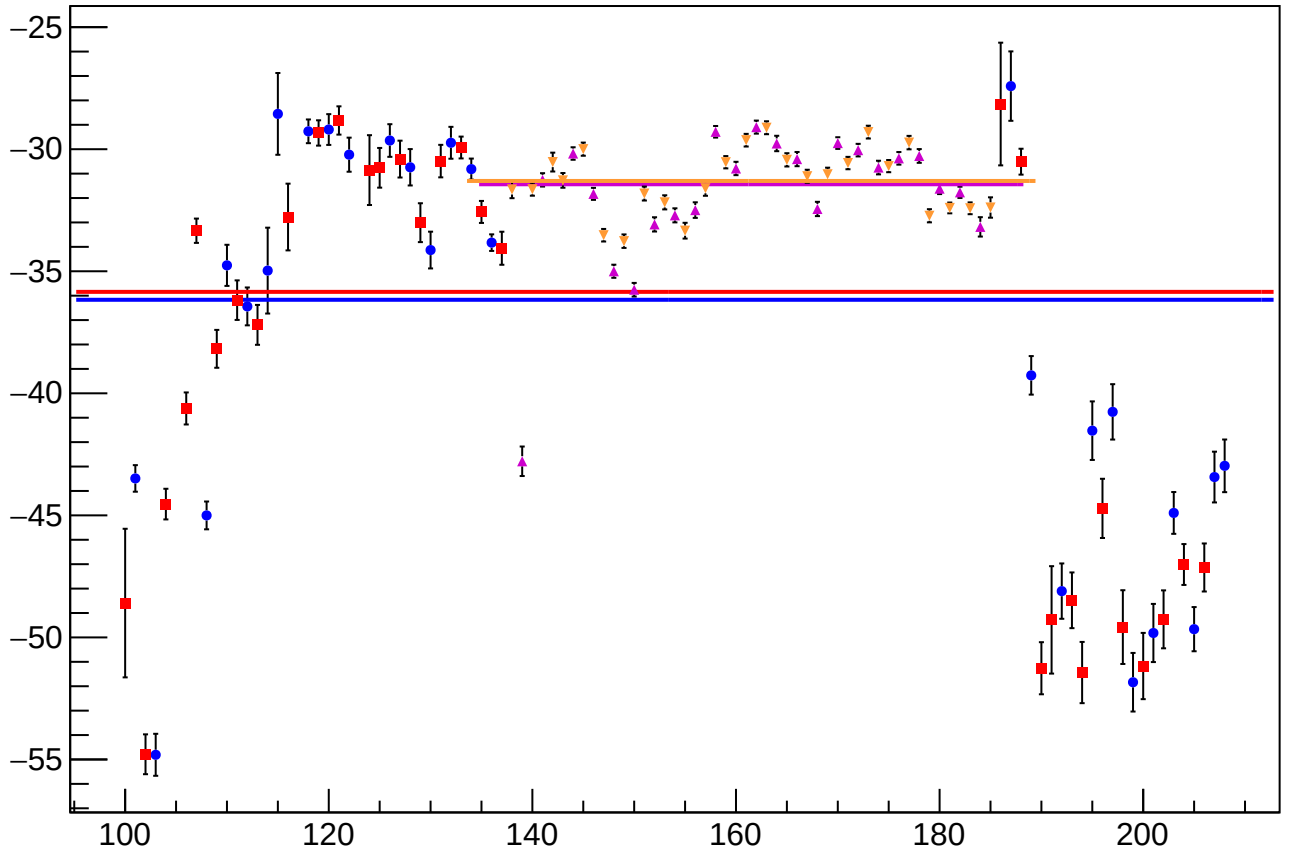
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.342+/-0.089 χ^2/NDF: 2703.9/57

In: -14.490+/-0.062 χ^2/NDF:2319.5/49

Out: -14.813+/-0.061 χ^2/NDF:2485.7/55

All: -14.655+/-0.044 χ^2/NDF: 4819.0/105



Right In: -36.168+/-0.138 χ^2/NDF: 2682.8/26

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.844+/-0.137 χ^2/NDF: 2897.1/30

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

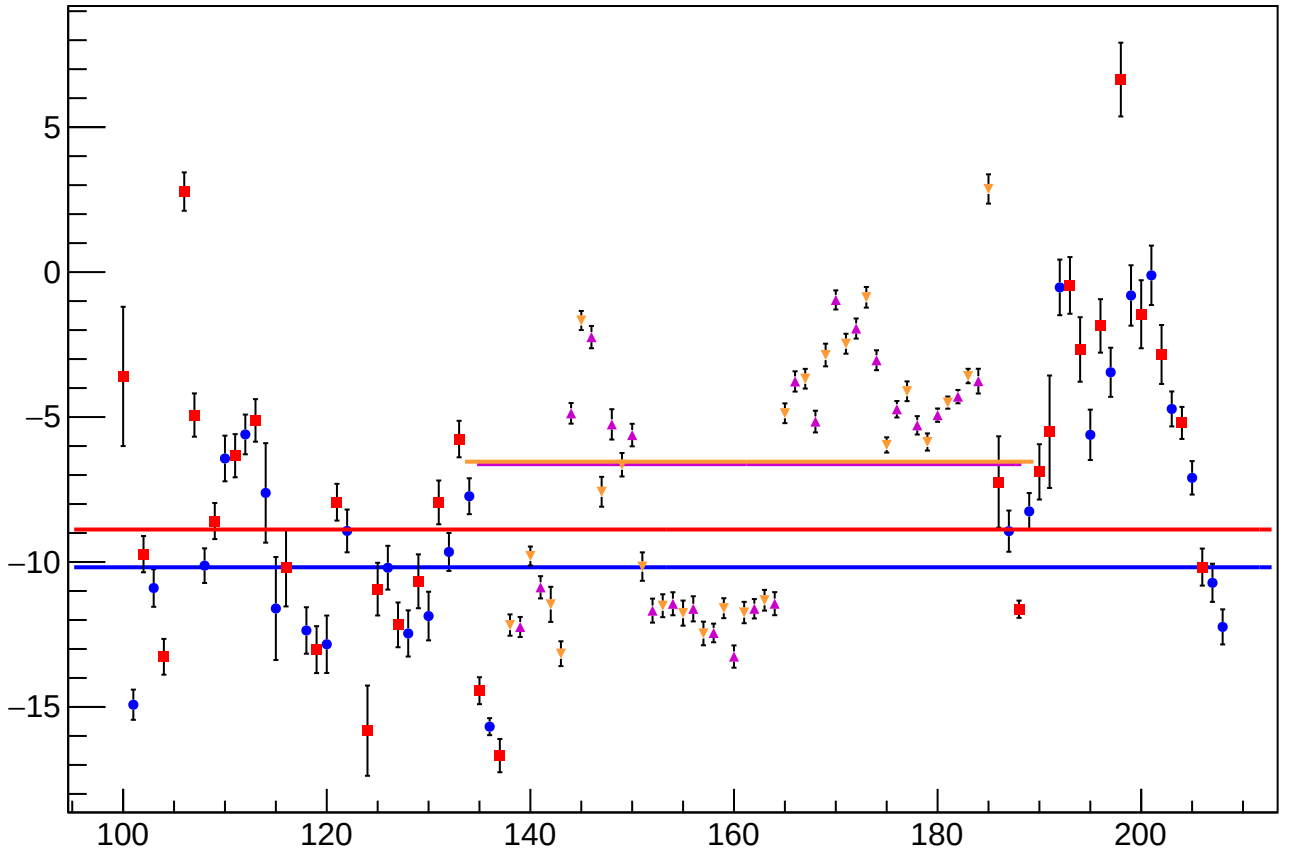
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.005+/-0.097 χ^2/NDF: 5582.7/57

In: -32.134+/-0.053 χ^2/NDF:4903.5/49

Out: -31.934+/-0.051 χ^2/NDF:4394.0/55

All: -32.031+/-0.037 χ^2/NDF: 9304.8/105



Right In: -10.181+/-0.129 χ^2/NDF: 1056.1/26

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -8.879+/-0.128 χ^2/NDF: 1393.2/30

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

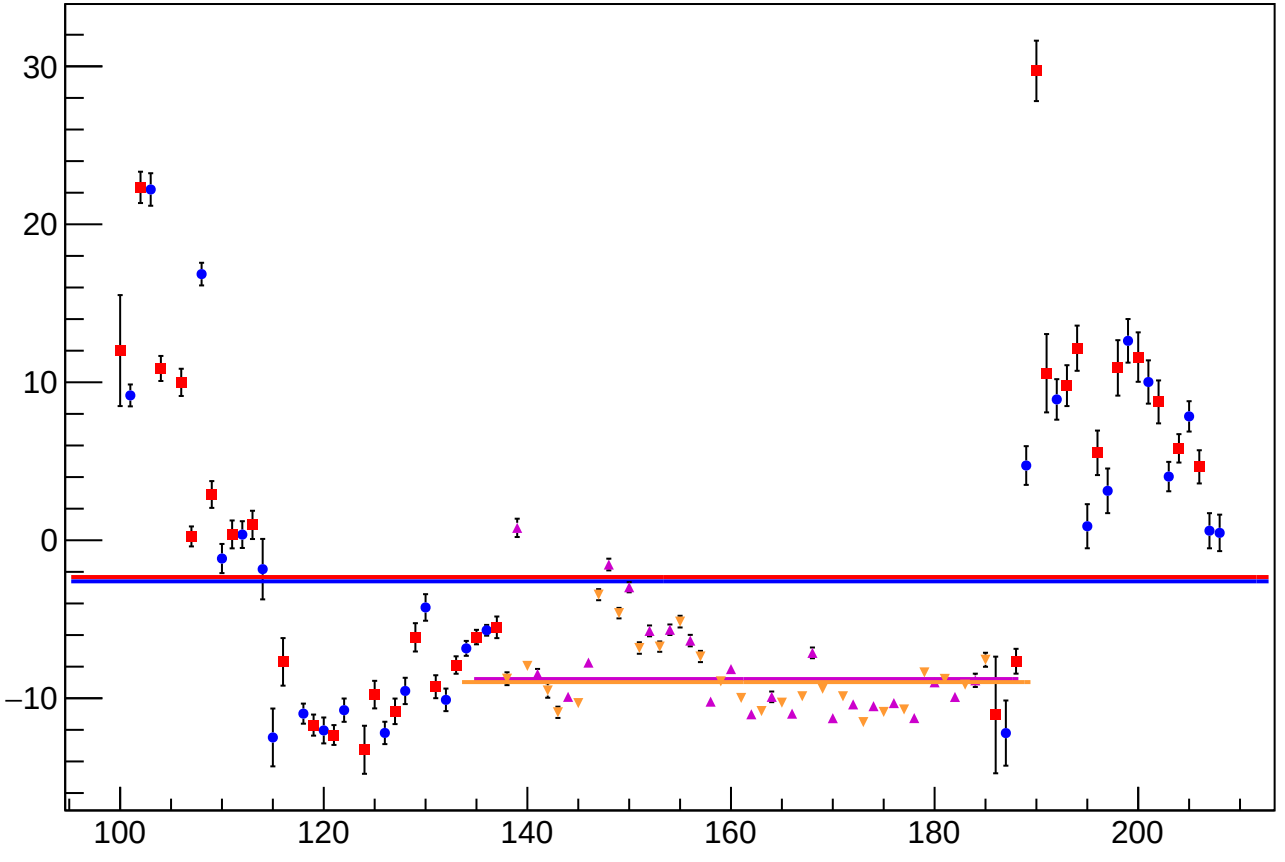
Right: -9.526+/-0.091 χ^2/NDF: 2500.5/57

In: -7.458+/-0.062 χ^2/NDF:4544.7/49

Out: -7.071+/-0.061 χ^2/NDF:4892.8/55

All: -7.260+/-0.044 χ^2/NDF: 9457.1/105

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.599+/-0.156 χ^2/NDF: 3159.2/26

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.327+/-0.159 χ^2/NDF: 3104.3/30

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

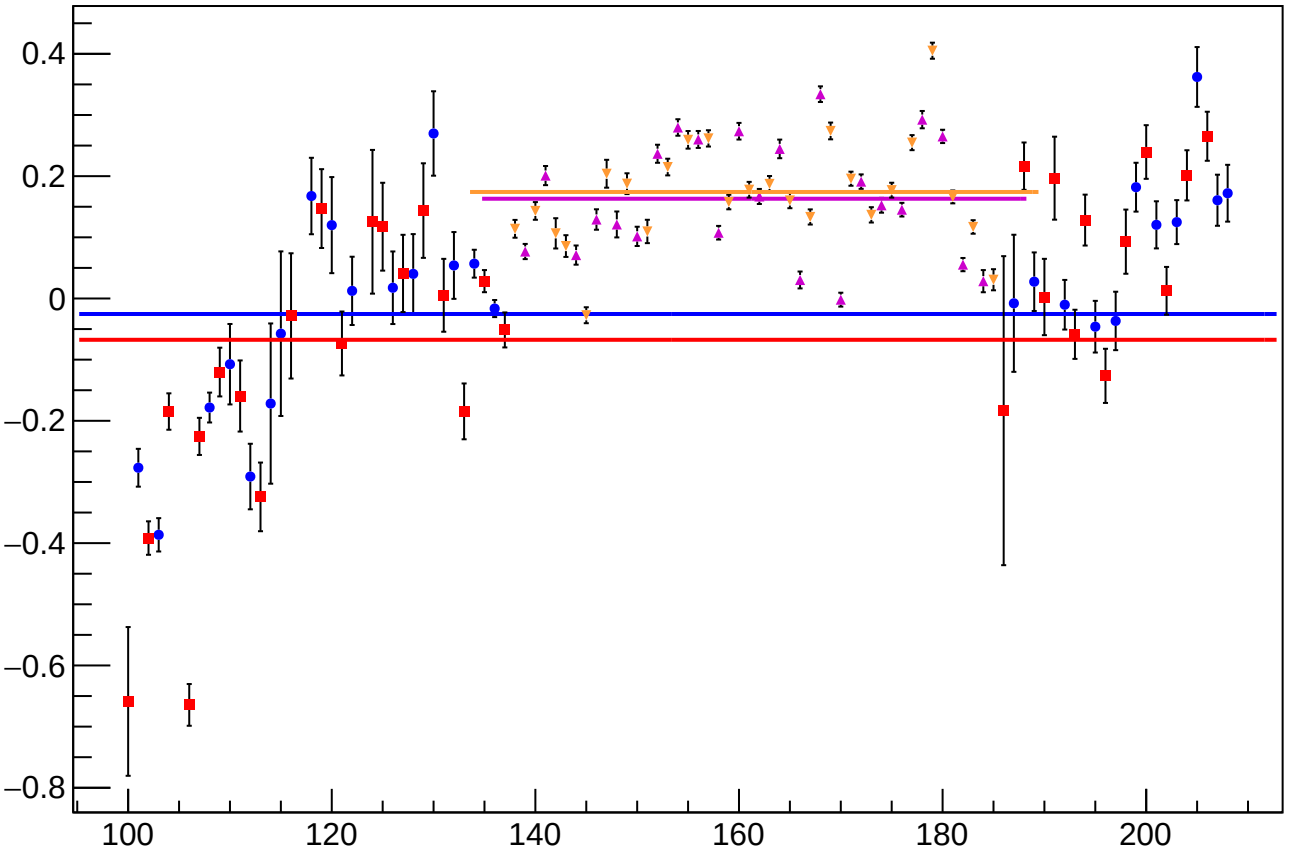
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.466+/-0.111 χ^2/NDF: 6265.0/57

In: -7.906+/-0.059 χ^2/NDF:6196.7/49

Out: -8.116+/-0.057 χ^2/NDF:5593.1/55

All: -8.014+/-0.041 χ^2/NDF: 11796.4/105



Right In: -0.025+/-0.007 χ^2/NDF: 518.2/26

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.068+/-0.008 χ^2/NDF: 874.2/30

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

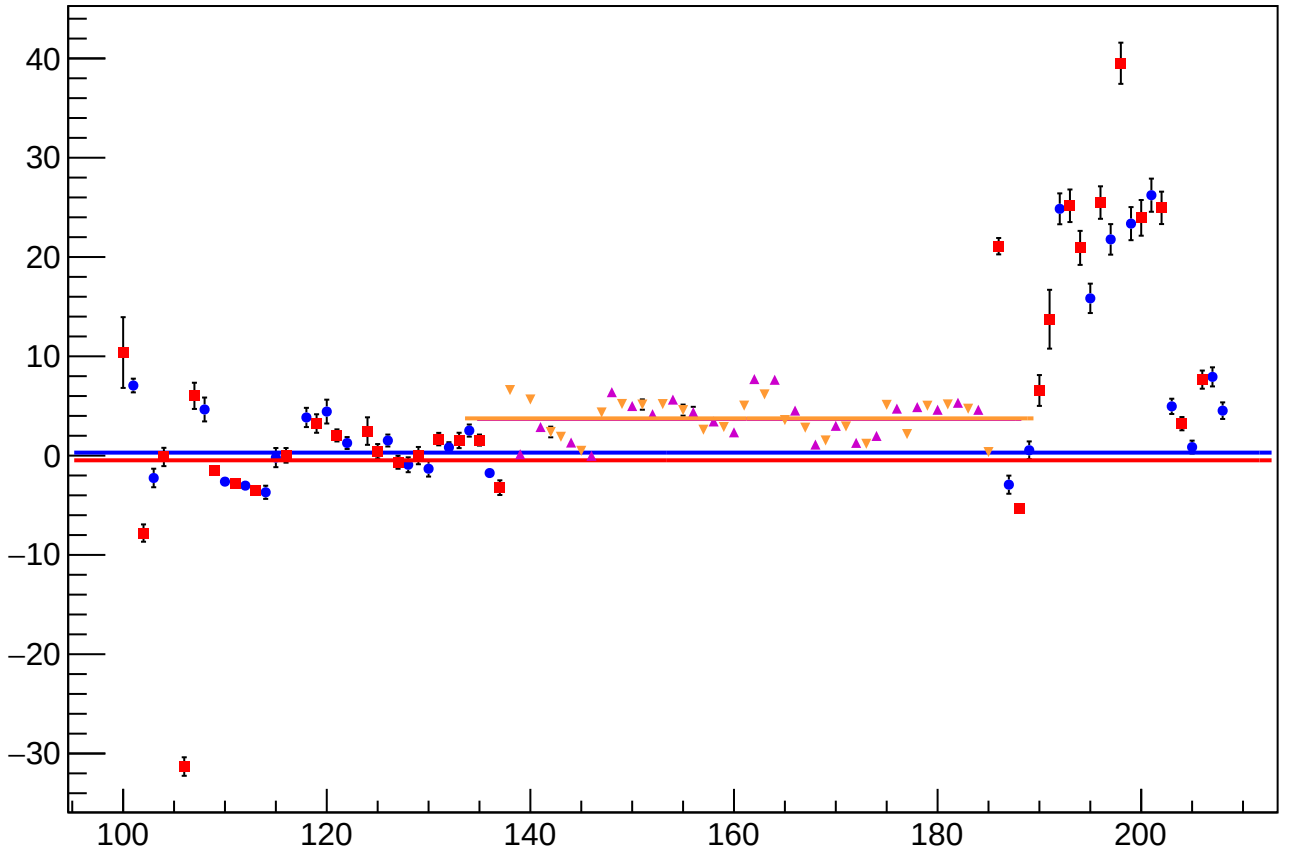
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.046+/-0.005 χ^2/NDF: 1408.8/57

In: 0.139+/-0.003 χ^2/NDF:2309.4/49

Out: 0.146+/-0.003 χ^2/NDF:2714.1/55

All: 0.142+/-0.002 χ^2/NDF: 5027.5/105



Right In: 0.302+/-0.124 χ^2/NDF: 1582.3/26

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.472+/-0.118 χ^2/NDF: 3841.0/30

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

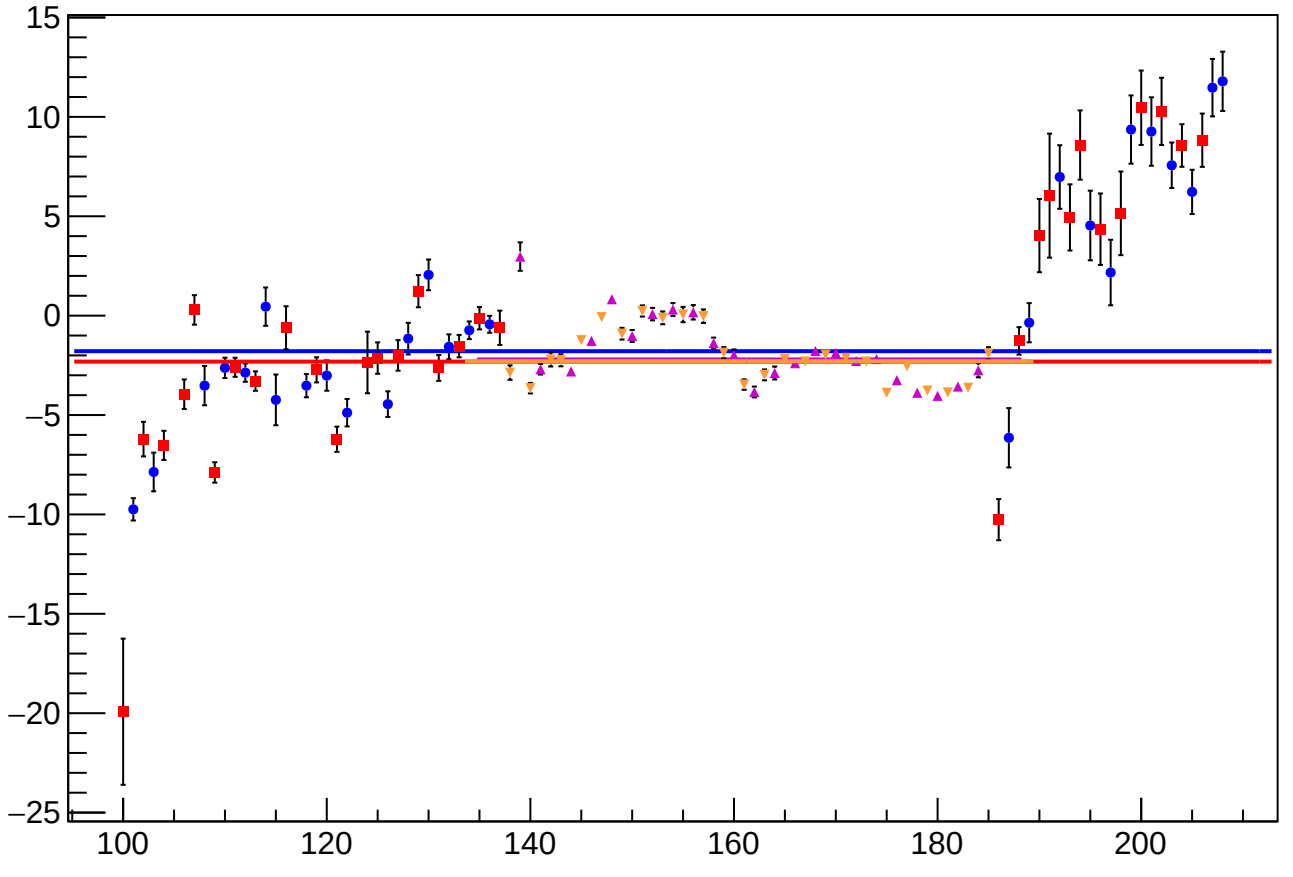
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.107+/-0.085 χ^2/NDF: 5443.8/57

In: 2.981+/-0.057 χ^2/NDF:3121.7/49

Out: 2.833+/-0.055 χ^2/NDF:5659.4/55

All: 2.904+/-0.039 χ^2/NDF: 8784.7/105



Right In: -1.788+/-0.146 χ^2/NDF: 777.8/26

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.313+/-0.146 χ^2/NDF: 735.3/30

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

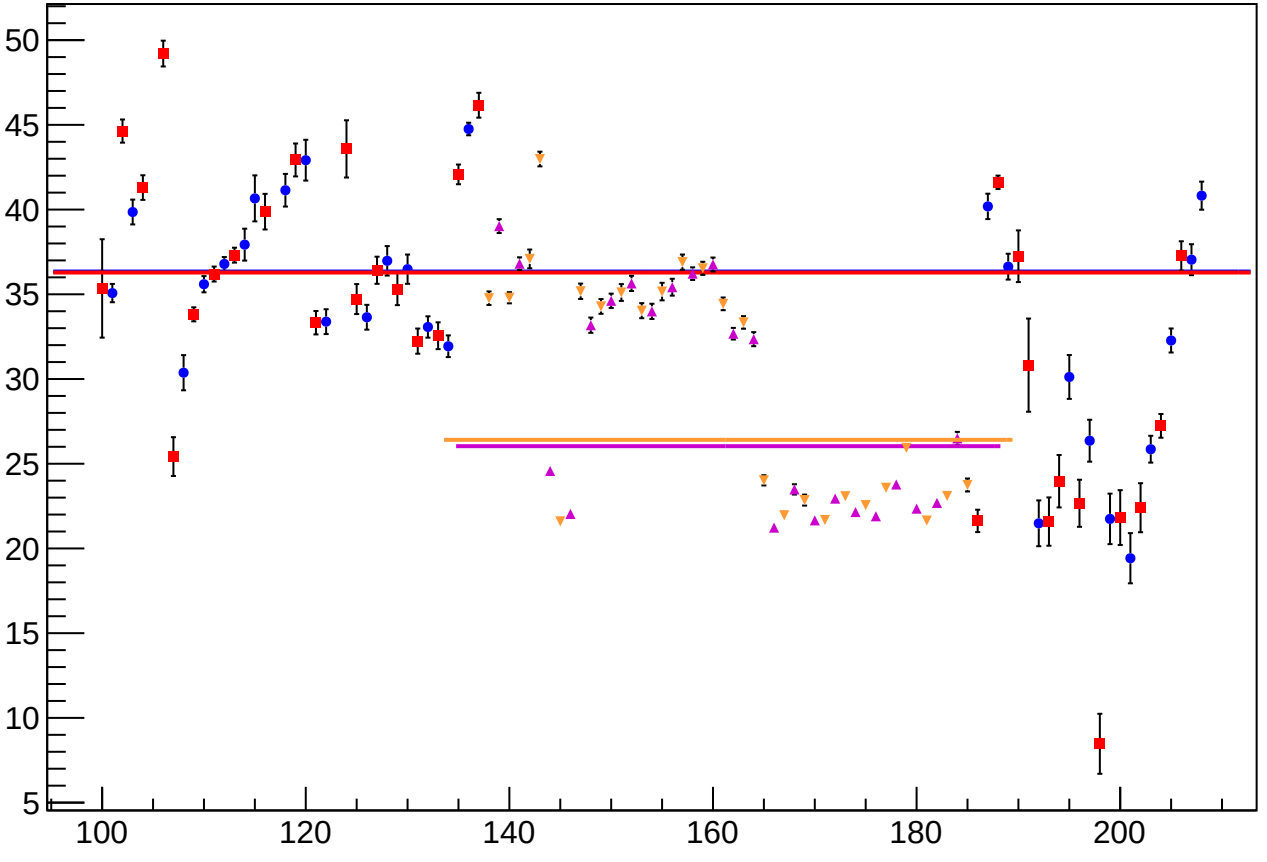
Right: -2.051+/-0.103 χ^2/NDF: 1519.5/57

In: -2.160+/-0.048 χ^2/NDF:1509.6/49

Out: -2.296+/-0.047 χ^2/NDF:1366.8/55

All: -2.229+/-0.034 χ^2/NDF: 2880.6/105

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.343+/-0.140 χ^2/NDF: 1454.7/26

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.285+/-0.135 χ^2/NDF: 2578.8/30

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

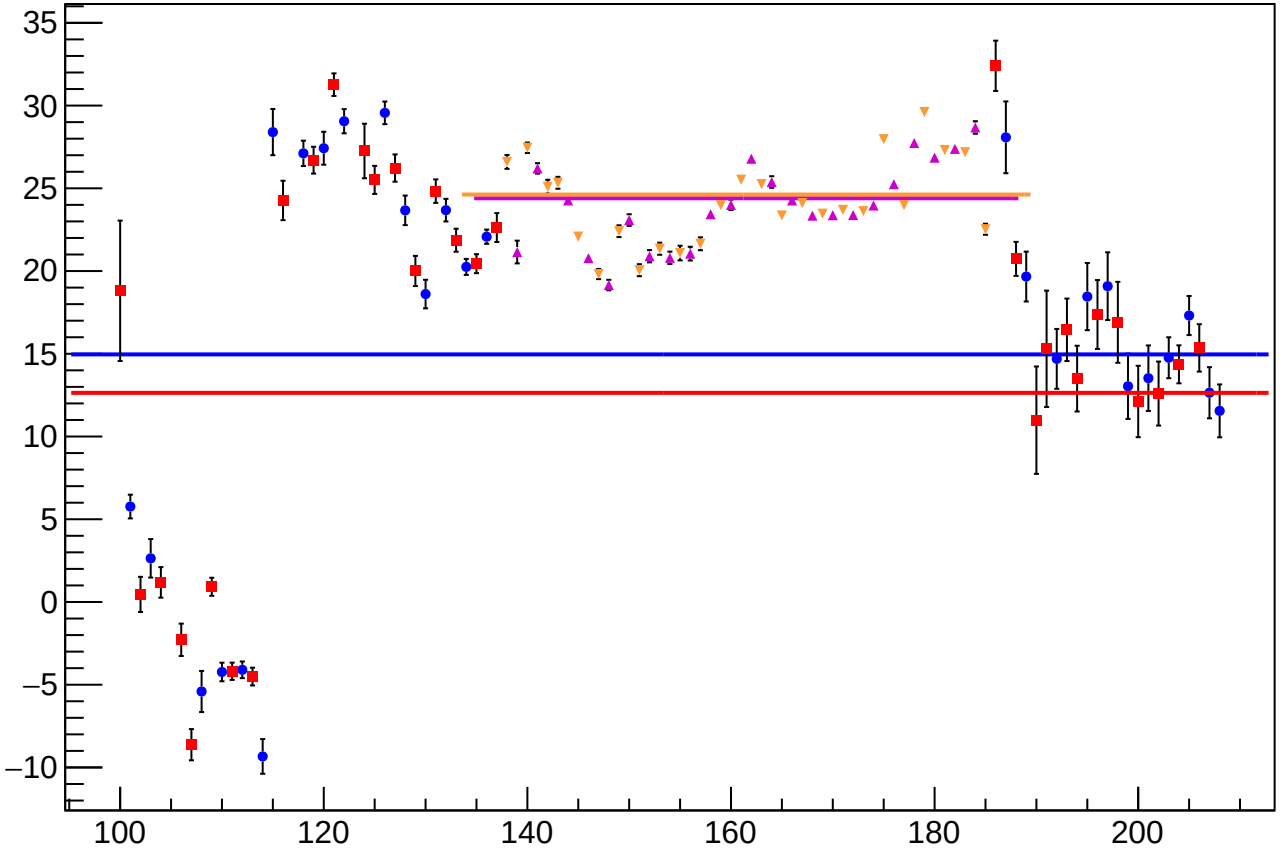
Right: 36.313+/-0.097 χ^2/NDF: 4033.6/57

In: 27.816+/-0.058 χ^2/NDF:13794.0/49

Out: 28.135+/-0.057 χ^2/NDF:16190.8/55

All: 27.980+/-0.041 χ^2/NDF: 30000.3/105

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.963+/-0.164 χ^2/NDF: 5752.7/26

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.639+/-0.166 χ^2/NDF: 6370.7/30

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

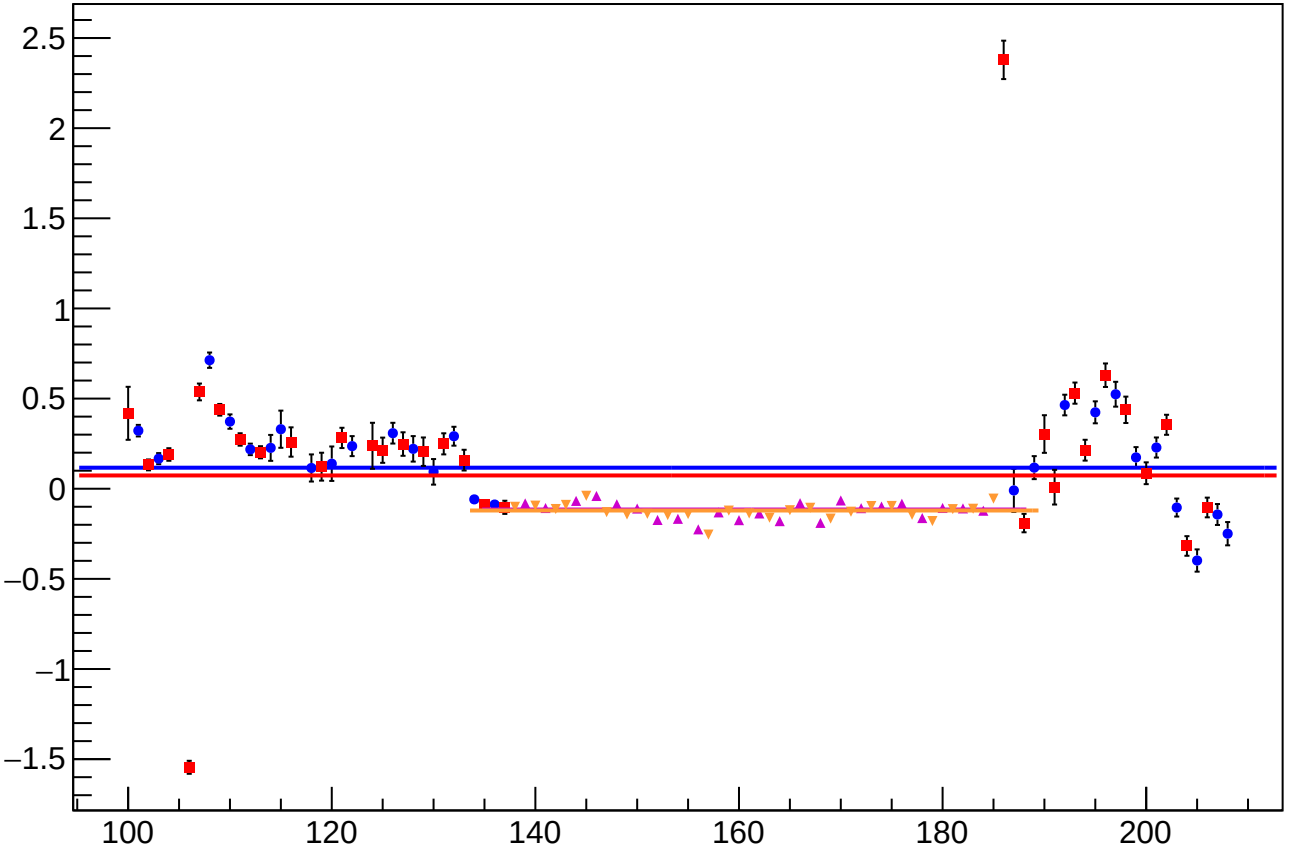
Right: 13.817+/-0.117 χ^2/NDF: 12222.5/57

In: 23.397+/-0.053 χ^2/NDF:10429.1/49

Out: 23.435+/-0.052 χ^2/NDF:13005.1/55

All: 23.416+/-0.037 χ^2/NDF: 23434.4/105

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.117+/-0.008 χ^2/NDF: 765.1/26

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.074+/-0.009 χ^2/NDF: 3181.5/30

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

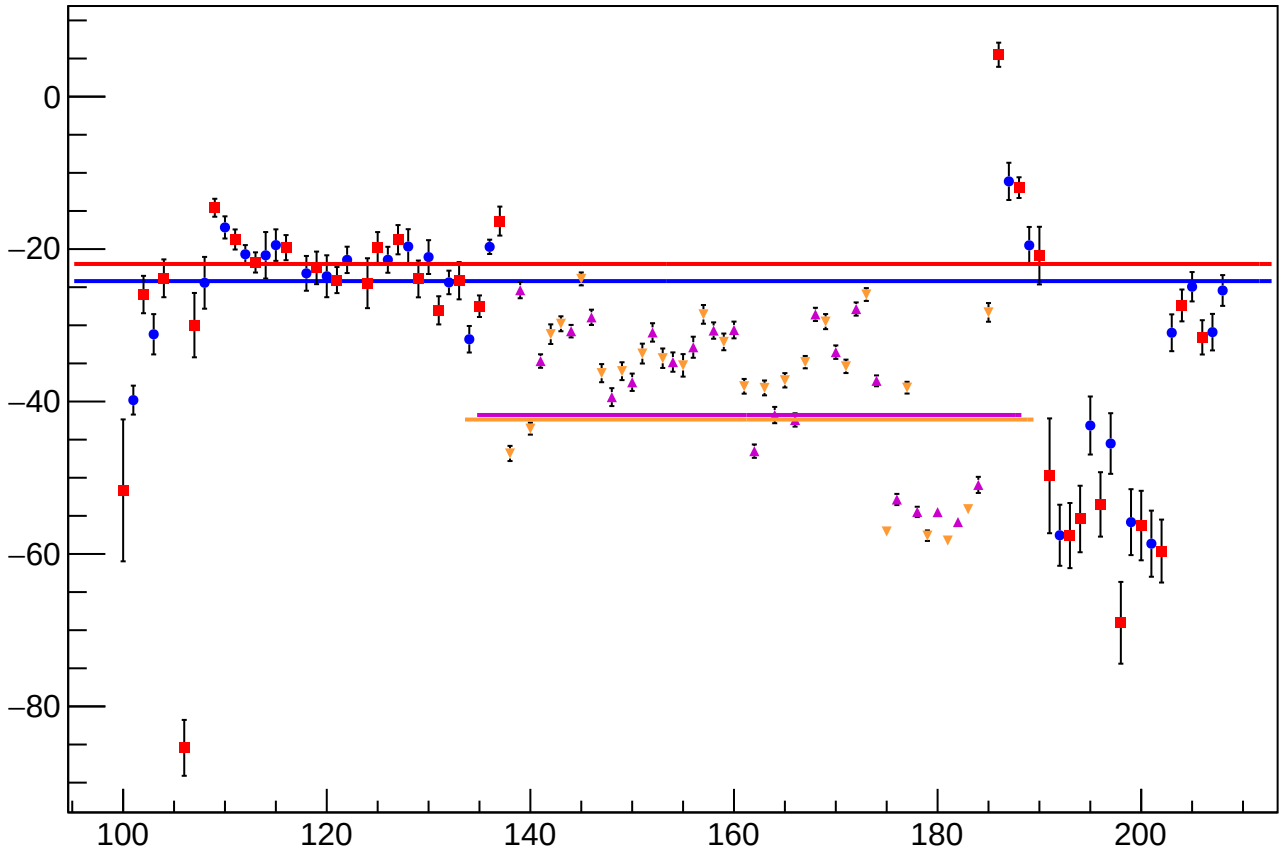
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.096+/-0.006 χ^2/NDF: 3959.4/57

In: -0.096+/-0.002 χ^2/NDF:1757.9/49

Out: -0.106+/-0.002 χ^2/NDF:3913.3/55

All: -0.101+/-0.002 χ^2/NDF: 5680.0/105



Right In: -24.201+/-0.384 χ^2/NDF: 454.8/26

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.953+/-0.377 χ^2/NDF: 1199.9/30

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

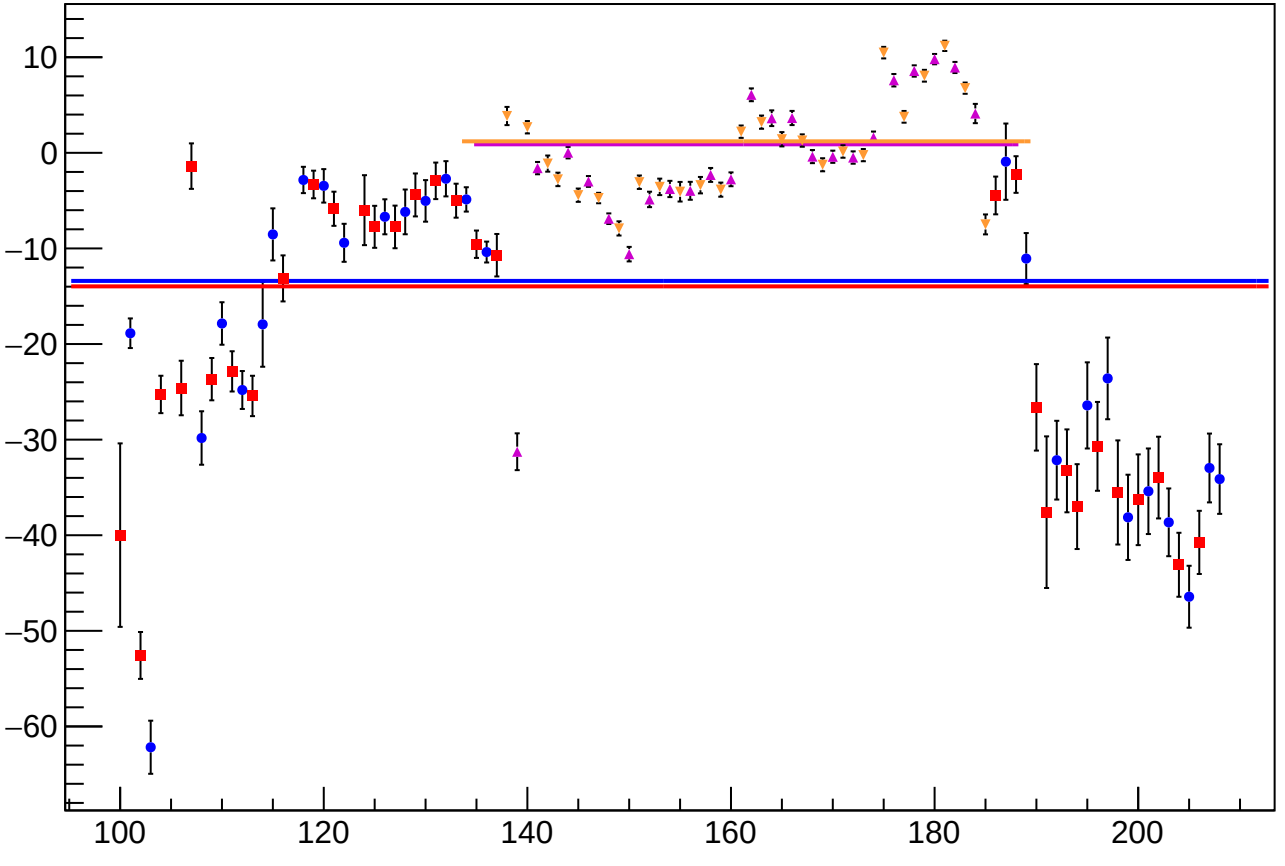
Right: -23.058+/-0.269 χ^2/NDF: 1672.2/57

In: -38.545+/-0.164 χ^2/NDF:5626.2/49

Out: -38.739+/-0.159 χ^2/NDF:8088.9/55

All: -38.645+/-0.114 χ^2/NDF: 13715.8/105

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -13.398+/-0.420 χ^2/NDF: 932.9/26

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -13.969+/-0.431 χ^2/NDF: 919.3/30

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

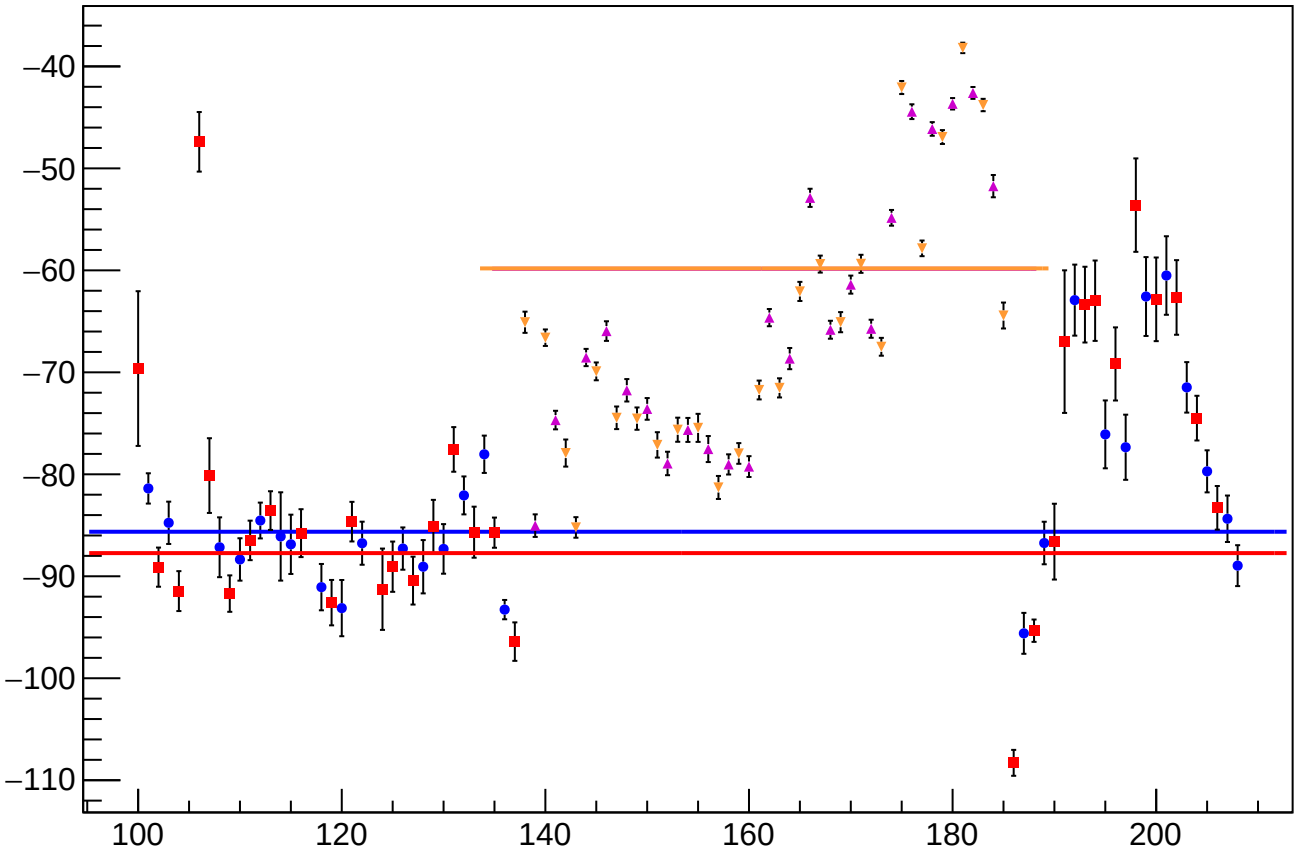
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -13.676+/-0.301 χ^2/NDF: 1853.1/57

In: -0.592+/-0.135 χ^2/NDF:3732.1/49

Out: -0.209+/-0.132 χ^2/NDF:3505.7/55

All: -0.395+/-0.094 χ^2/NDF: 7241.9/105



Right In: -85.633+/-0.406 χ^2/NDF: 317.7/26

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.728+/-0.399 χ^2/NDF: 879.9/30

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

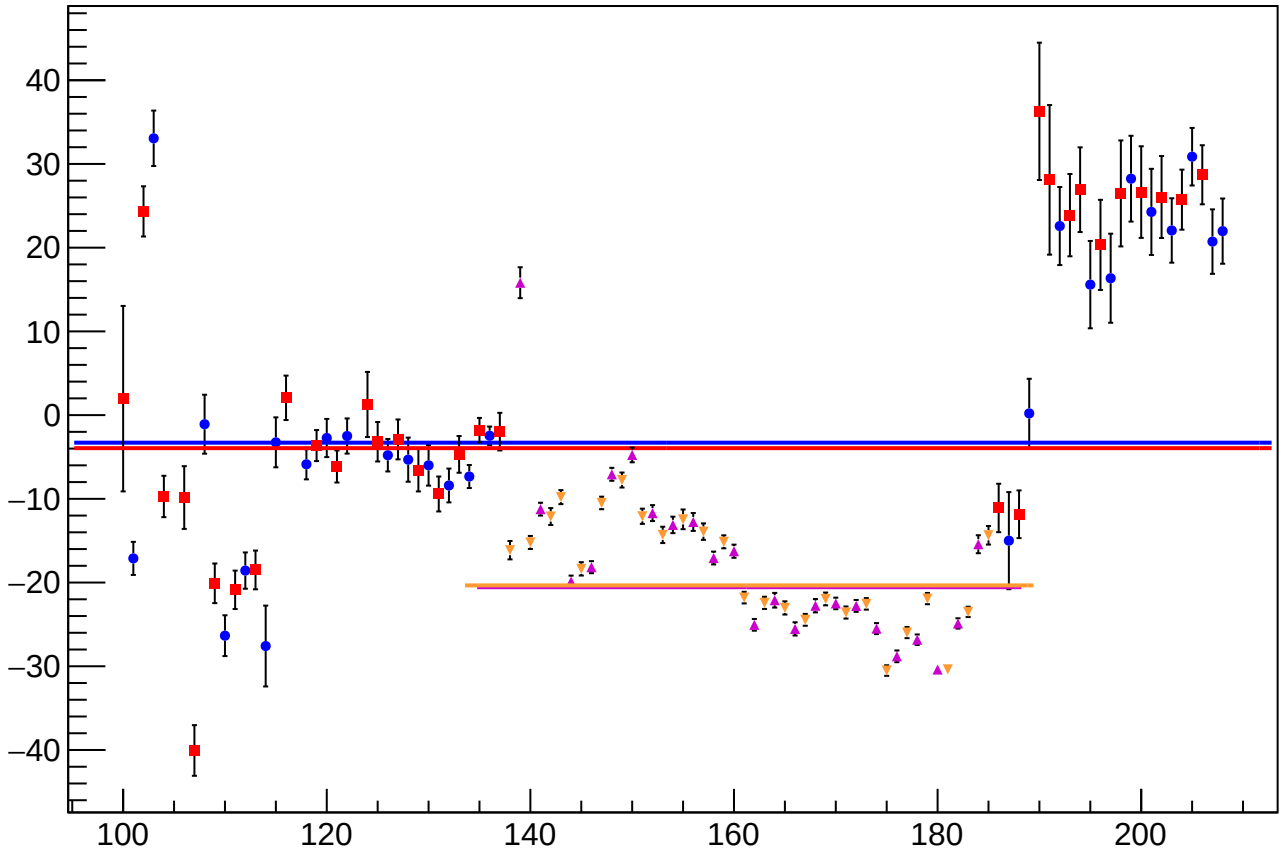
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -86.699+/-0.285 χ^2/NDF: 1211.1/57

In: -64.116+/-0.165 χ^2/NDF:9210.2/49

Out: -64.323+/-0.161 χ^2/NDF:11625.8/55

All: -64.223+/-0.115 χ^2/NDF: 20836.8/105



Right In: -3.294+/-0.474 χ^2/NDF: 706.7/26

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -3.947+/-0.497 χ^2/NDF: 786.1/30

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

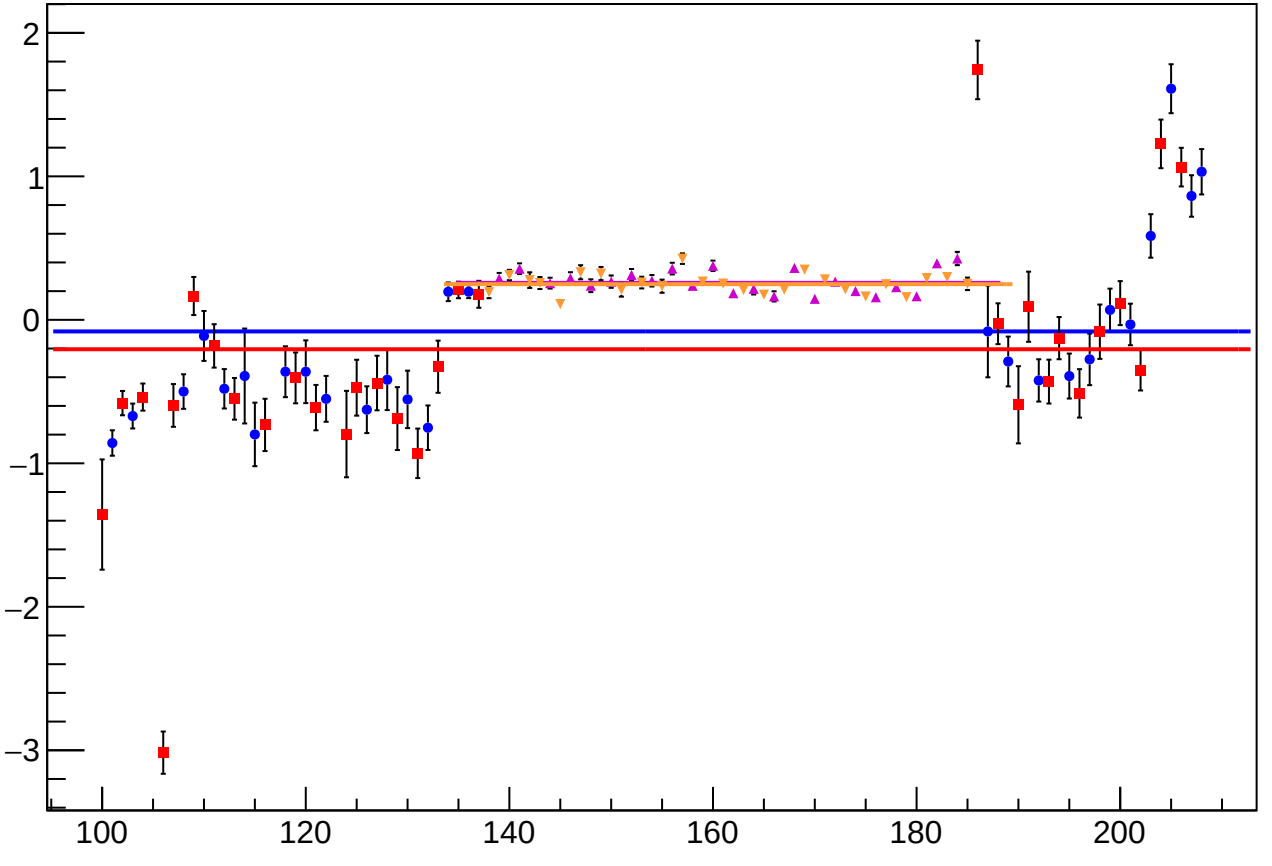
Right: -3.605+/-0.343 χ^2/NDF: 1493.7/57

In: -18.800+/-0.151 χ^2/NDF:4090.2/49

Out: -18.892+/-0.148 χ^2/NDF:3479.6/55

All: -18.847+/-0.106 χ^2/NDF: 7570.0/105

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081+/-0.023 χ^2/NDF: 485.3/26

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.205+/-0.025 χ^2/NDF: 808.8/30

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

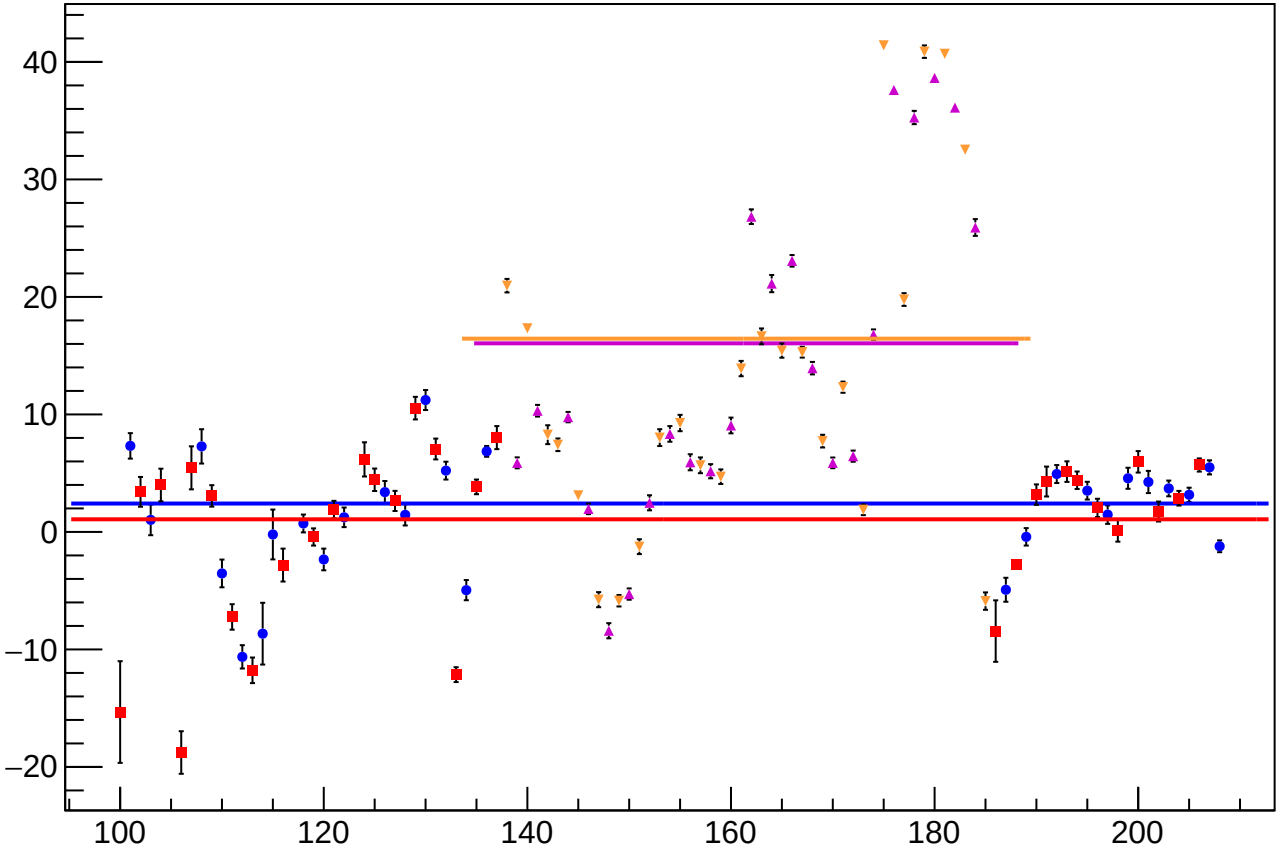
Right: -0.139+/-0.017 χ^2/NDF: 1307.3/57

In: 0.229+/-0.007 χ^2/NDF:809.9/49

Out: 0.216+/-0.007 χ^2/NDF:1208.1/55

All: 0.222+/-0.005 χ^2/NDF: 2019.9/105

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.417+/-0.155 χ^2/NDF: 747.9/26

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.075+/-0.151 χ^2/NDF: 1319.0/30

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

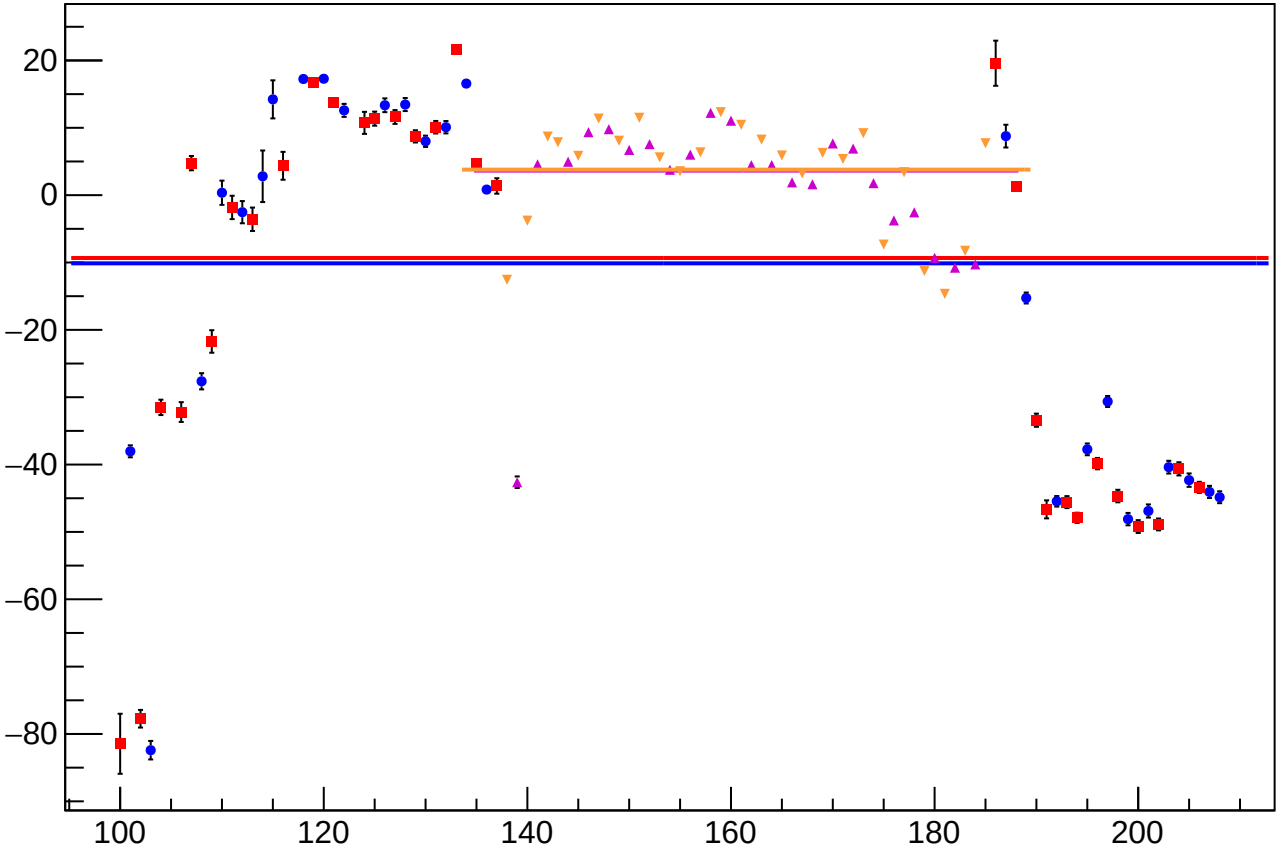
Right: 1.732+/-0.108 χ^2/NDF: 2105.4/57

In: 11.622+/-0.088 χ^2/NDF:23625.1/49

Out: 11.516+/-0.086 χ^2/NDF:29729.4/55

All: 11.567+/-0.061 χ^2/NDF: 53355.1/105

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.123+/-0.167 χ^2/NDF: 26635.0/26

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -9.327+/-0.161 χ^2/NDF: 30173.8/30

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

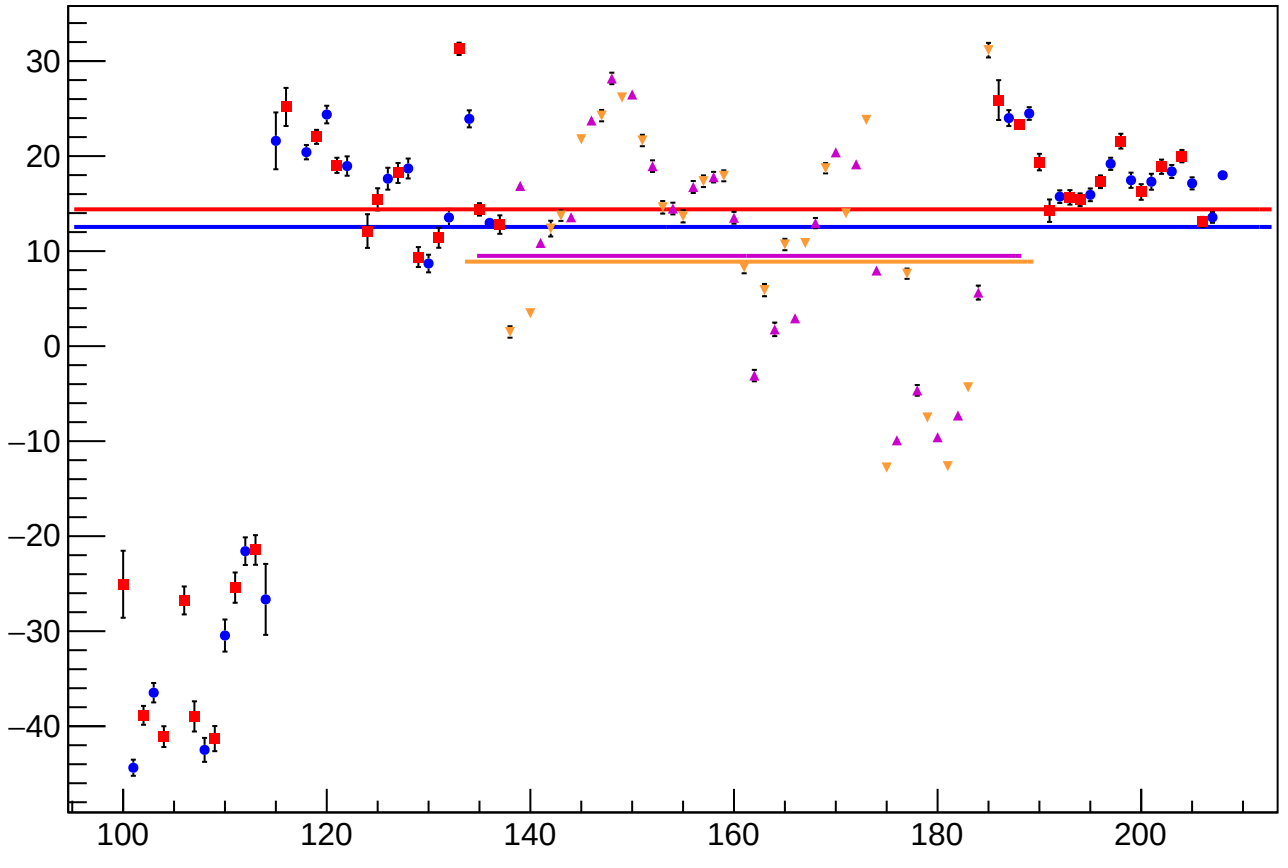
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -9.712+/-0.116 χ^2/NDF: 56820.5/57

In: 0.921+/-0.074 χ^2/NDF:40403.5/49

Out: 1.195+/-0.072 χ^2/NDF:44581.2/55

All: 1.063+/-0.052 χ^2/NDF: 84991.7/105



Right In: 12.544+/-0.152 χ^2/NDF: 11543.5/26

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.397+/-0.145 χ^2/NDF: 12463.0/30

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

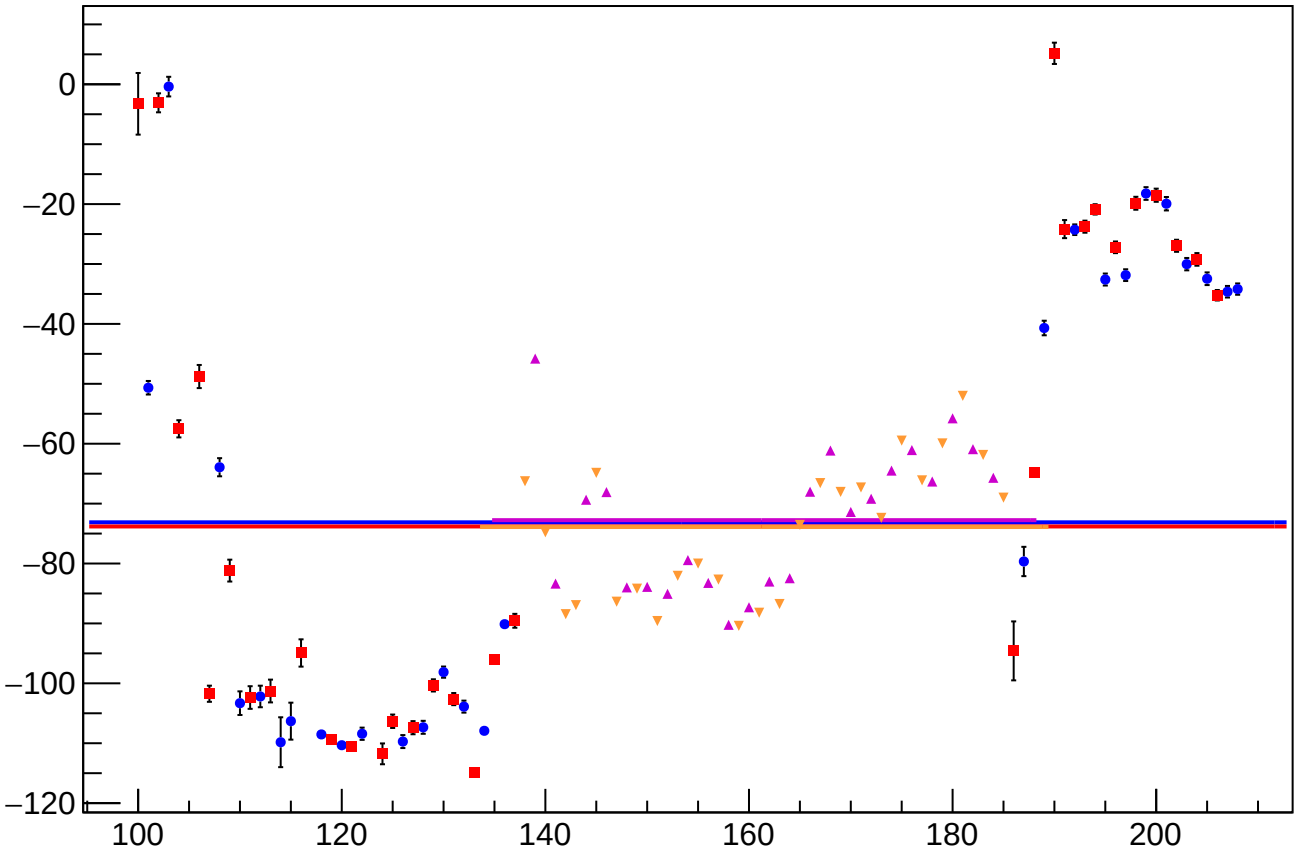
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.514+/-0.105 χ^2/NDF: 24083.9/57

In: 10.499+/-0.087 χ^2/NDF:24852.5/49

Out: 10.750+/-0.084 χ^2/NDF:28841.8/55

All: 10.629+/-0.061 χ^2/NDF: 53698.6/105



Right In: -73.124+/-0.193 χ^2/NDF: 35965.0/26

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -73.814+/-0.189 χ^2/NDF: 41942.2/30

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

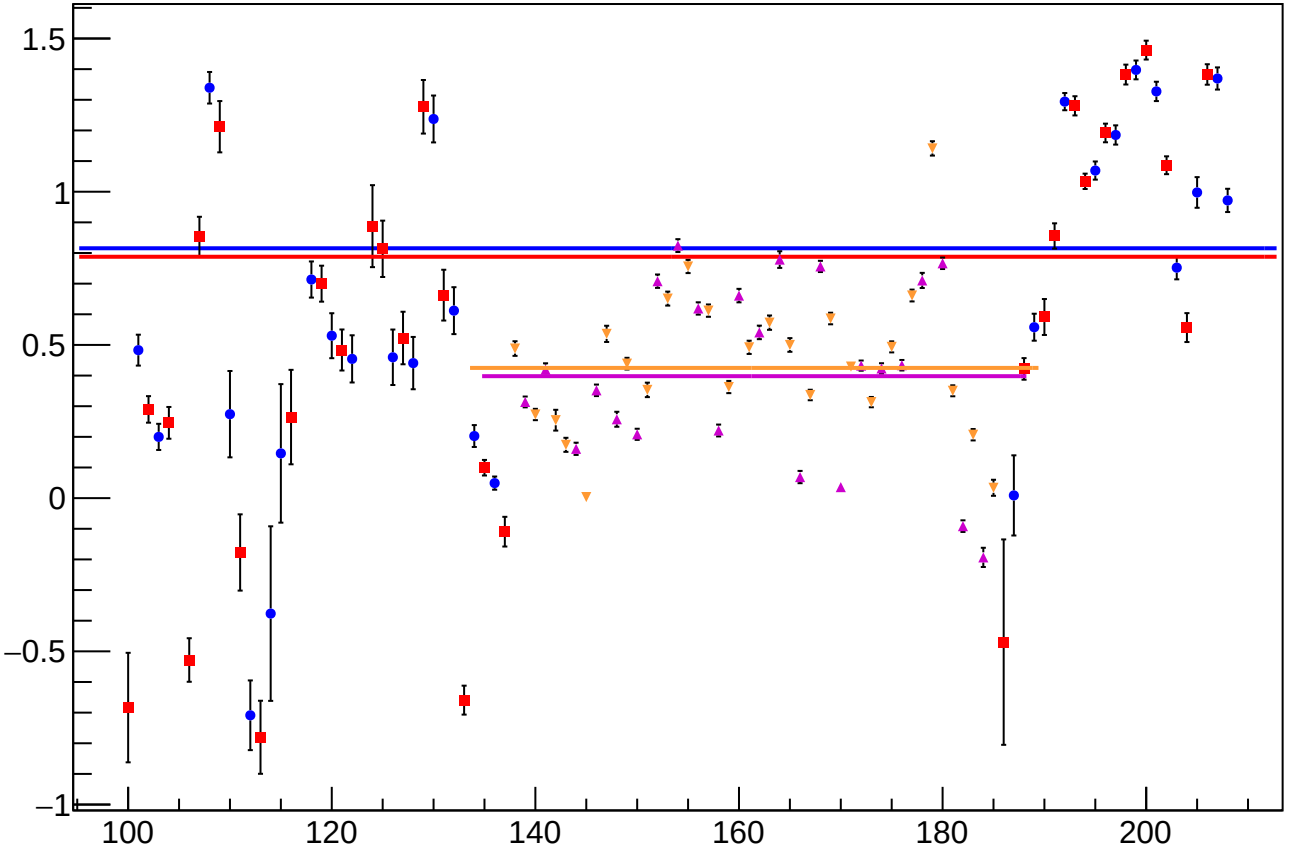
Right: -73.475+/-0.135 χ^2/NDF: 77913.7/57

In: -72.831+/-0.084 χ^2/NDF:48580.4/49

Out: -73.890+/-0.082 χ^2/NDF:57509.5/55

All: -73.376+/-0.059 χ^2/NDF: 106171.4/105

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.815+/-0.008 χ^2/NDF: 3717.3/26

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.788+/-0.008 χ^2/NDF: 4923.8/30

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

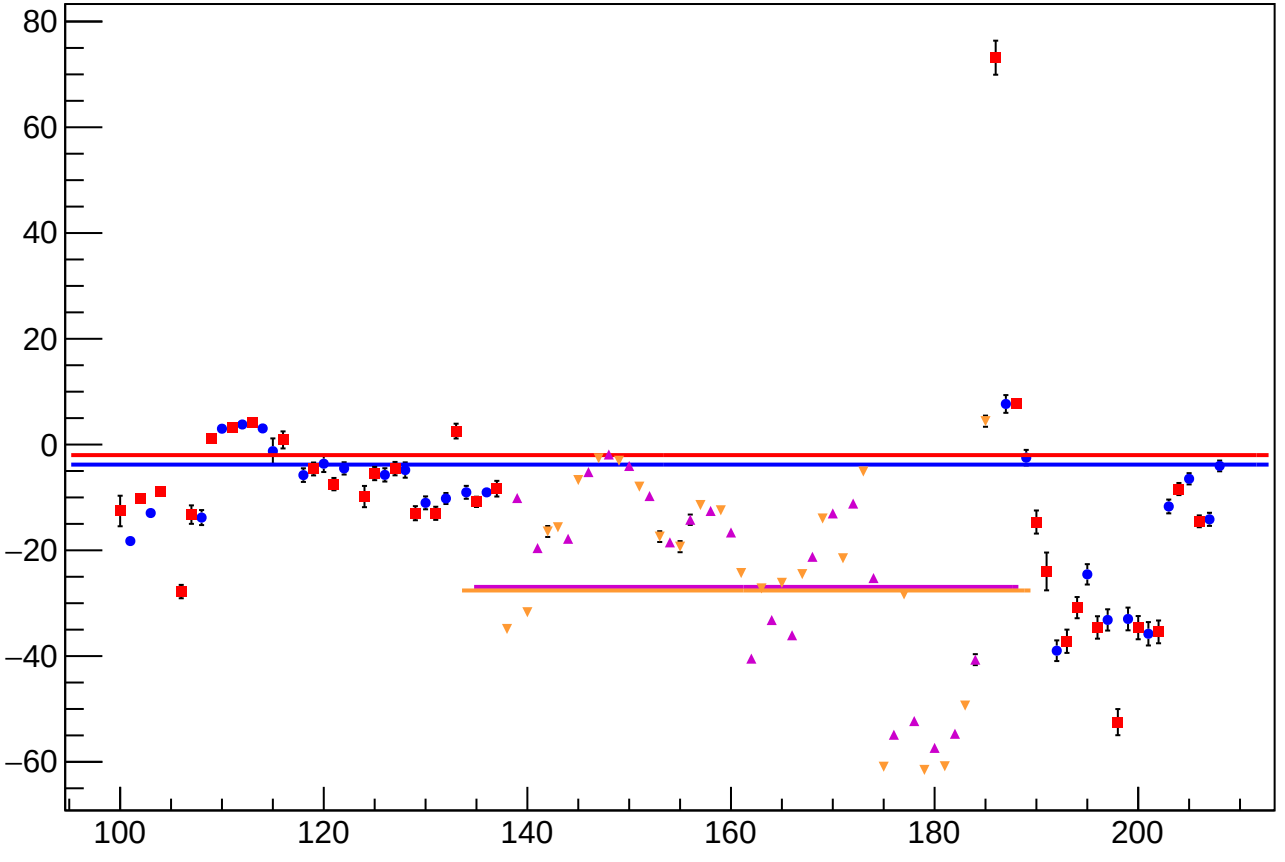
Right: 0.801+/-0.006 χ^2/NDF: 8646.7/57

In: 0.480+/-0.004 χ^2/NDF:9989.3/49

Out: 0.497+/-0.004 χ^2/NDF:9554.1/55

All: 0.489+/-0.003 χ^2/NDF: 19555.0/105

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.790+/-0.176 χ^2/NDF: 2770.7/26

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.995+/-0.159 χ^2/NDF: 4021.3/30

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

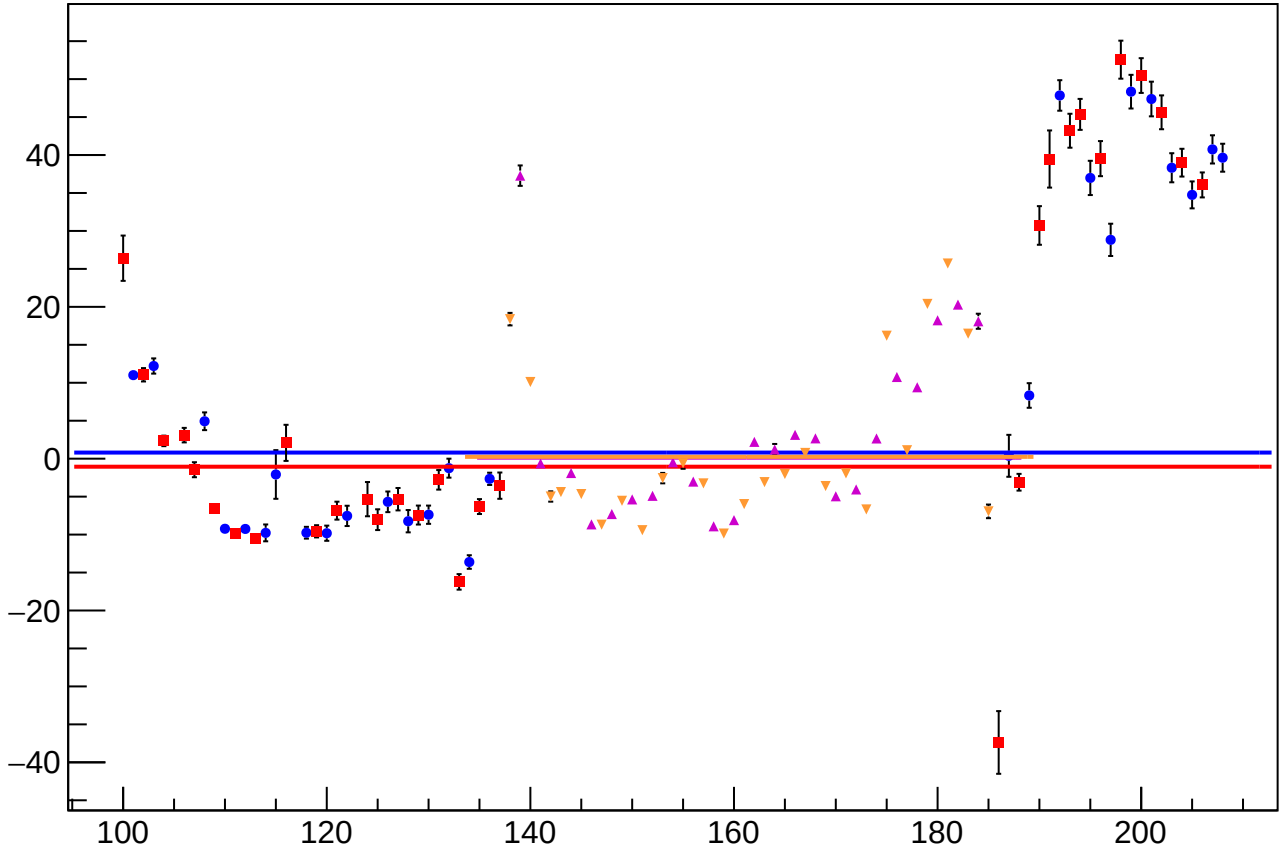
Right: -2.804+/-0.118 χ^2/NDF: 6849.2/57

In: -17.255+/-0.114 χ^2/NDF:28345.4/49

Out: -16.067+/-0.107 χ^2/NDF:37952.9/55

All: -16.624+/-0.078 χ^2/NDF: 66356.1/105

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.804+/-0.211 χ^2/NDF: 5374.9/26

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.058+/-0.205 χ^2/NDF: 5289.6/30

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

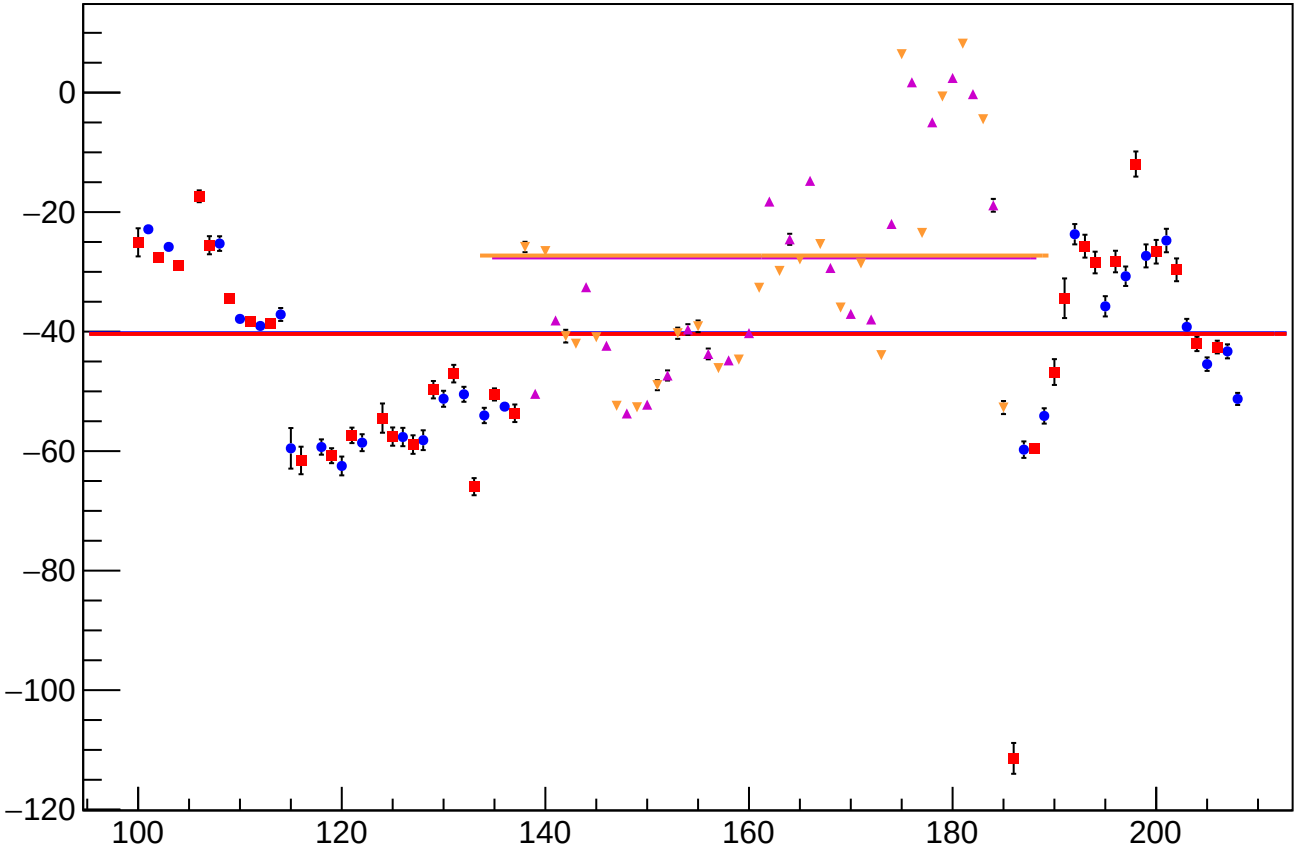
Right: -0.156+/-0.147 χ^2/NDF: 10704.5/57

In: 0.284+/-0.101 χ^2/NDF:11220.2/49

Out: -0.053+/-0.097 χ^2/NDF:13356.3/55

All: 0.109+/-0.070 χ^2/NDF: 24582.3/105

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -40.273+/-0.198 χ^2/NDF: 3677.6/26

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.388+/-0.188 χ^2/NDF: 4975.6/30

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

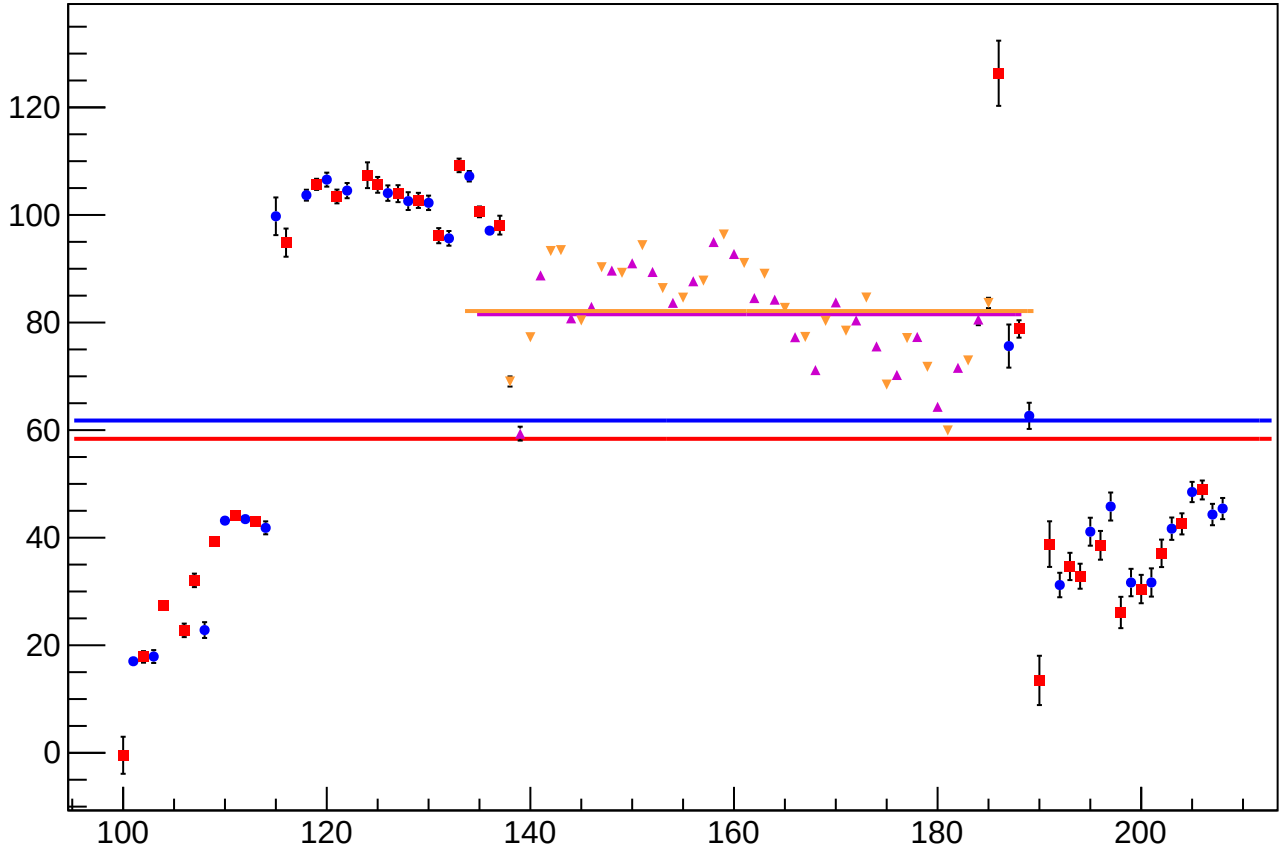
Right: -40.334+/-0.136 χ^2/NDF: 8653.3/57

In: -32.133+/-0.119 χ^2/NDF:21954.9/49

Out: -32.126+/-0.114 χ^2/NDF:26578.5/55

All: -32.129+/-0.082 χ^2/NDF: 48533.4/105

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.784+/-0.242 χ^2/NDF: 19539.0/26

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.382+/-0.235 χ^2/NDF: 18529.3/30

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

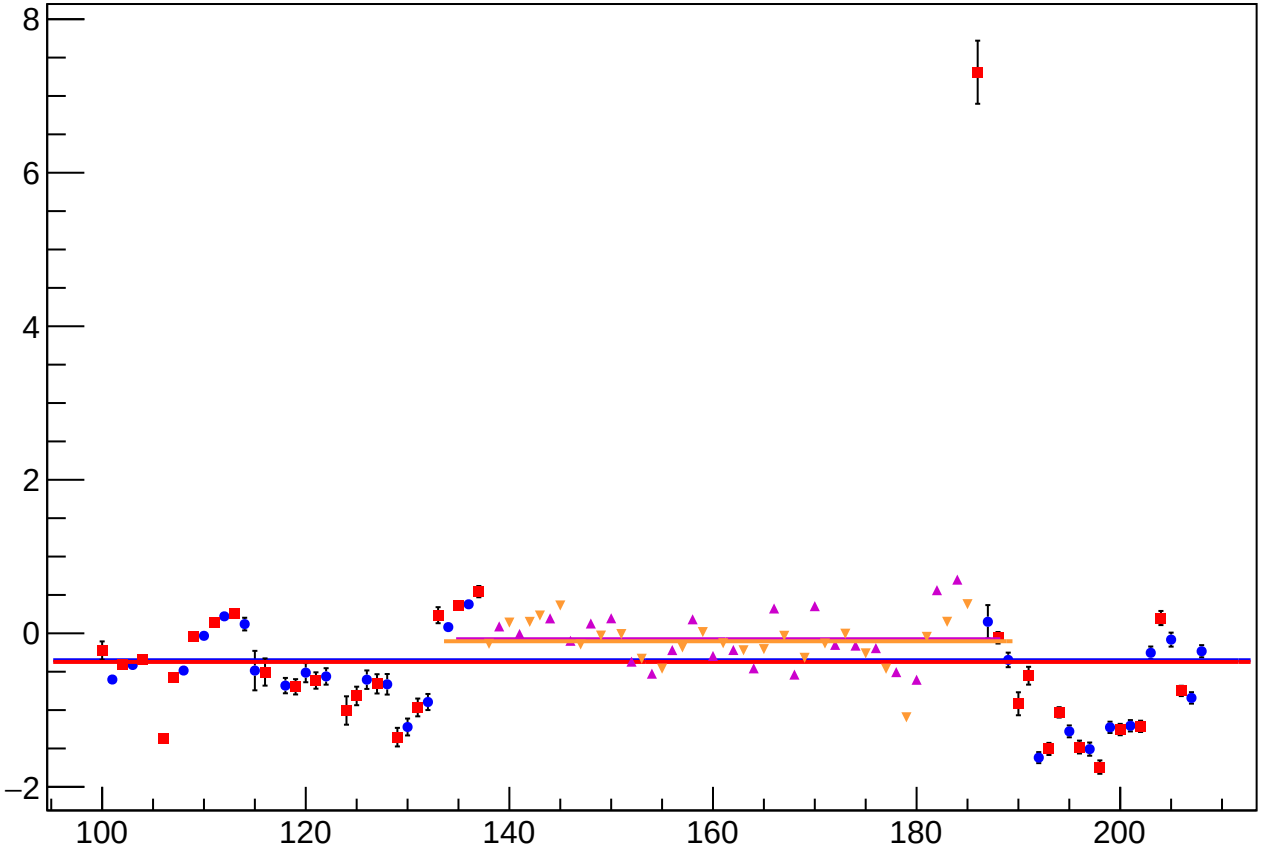
Right: 60.033+/-0.168 χ^2/NDF: 38170.3/57

In: 77.160+/-0.114 χ^2/NDF:28783.8/49

Out: 76.900+/-0.110 χ^2/NDF:31891.8/55

All: 77.026+/-0.079 χ^2/NDF: 60678.3/105

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.351+/-0.012 χ^2/NDF: 2029.4/26

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.373+/-0.011 χ^2/NDF: 2962.5/30

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

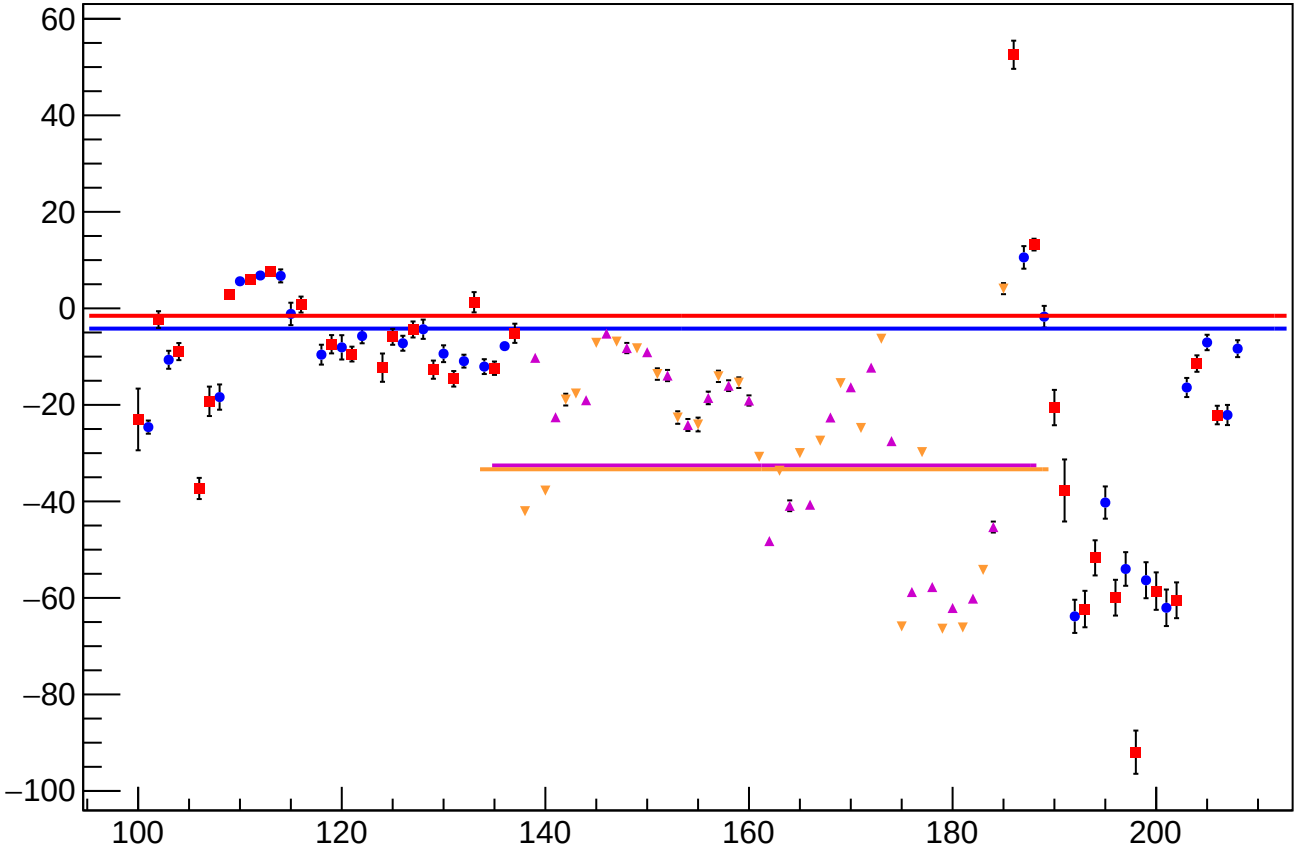
Right: -0.362+/-0.008 χ^2/NDF: 4993.7/57

In: -0.129+/-0.005 χ^2/NDF:5783.8/49

Out: -0.155+/-0.005 χ^2/NDF:5817.6/55

All: -0.143+/-0.004 χ^2/NDF: 11614.7/105

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.193+/-0.283 χ^2/NDF: 2179.7/26

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.537+/-0.263 χ^2/NDF: 3233.4/30

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

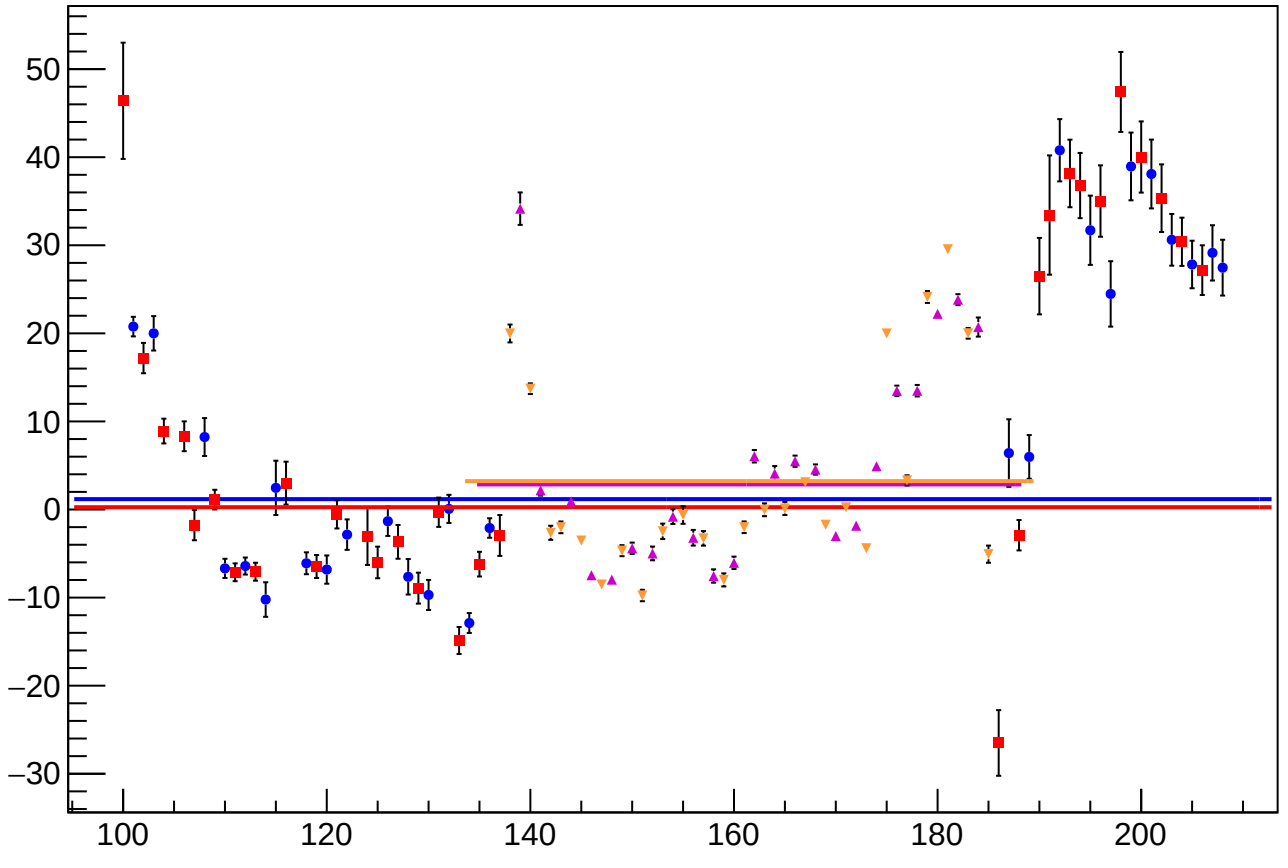
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -2.768+/-0.192 χ^2/NDF: 5460.5/57

In: -25.060+/-0.145 χ^2/NDF:23485.6/49

Out: -24.376+/-0.139 χ^2/NDF:31753.8/55

All: -24.704+/-0.101 χ^2/NDF: 55251.0/105



Right In: 1.180+/-0.335 χ^2/NDF: 1616.8/26

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: 0.263+/-0.333 χ^2/NDF: 1390.7/30

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

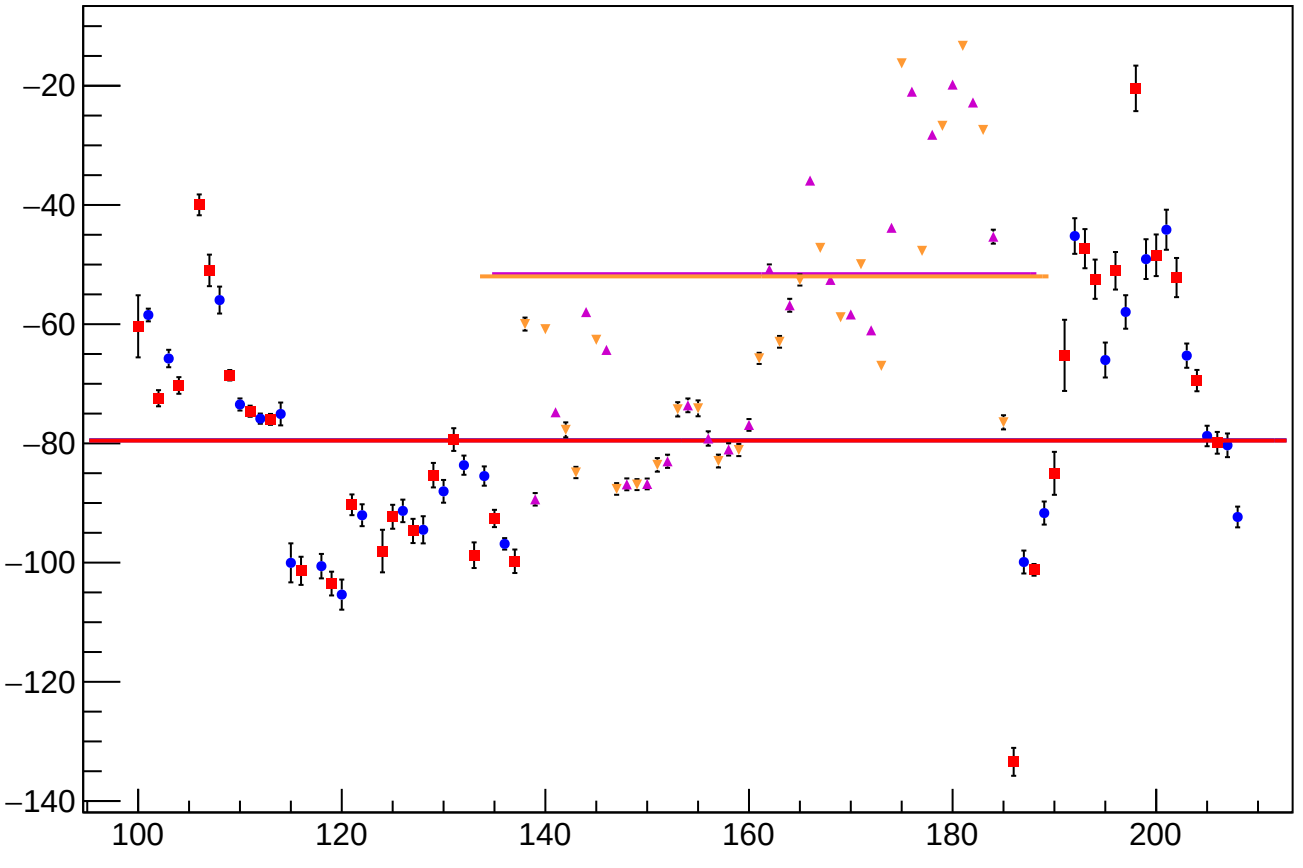
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 0.718+/-0.236 χ^2/NDF: 3011.2/57

In: 2.624+/-0.122 χ^2/NDF:7093.7/49

Out: 2.841+/-0.120 χ^2/NDF:9135.4/55

All: 2.735+/-0.085 χ^2/NDF: 16230.7/105



Right In: -79.481+/-0.320 χ^2/NDF: 2050.8/26

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.528+/-0.309 χ^2/NDF: 3267.8/30

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

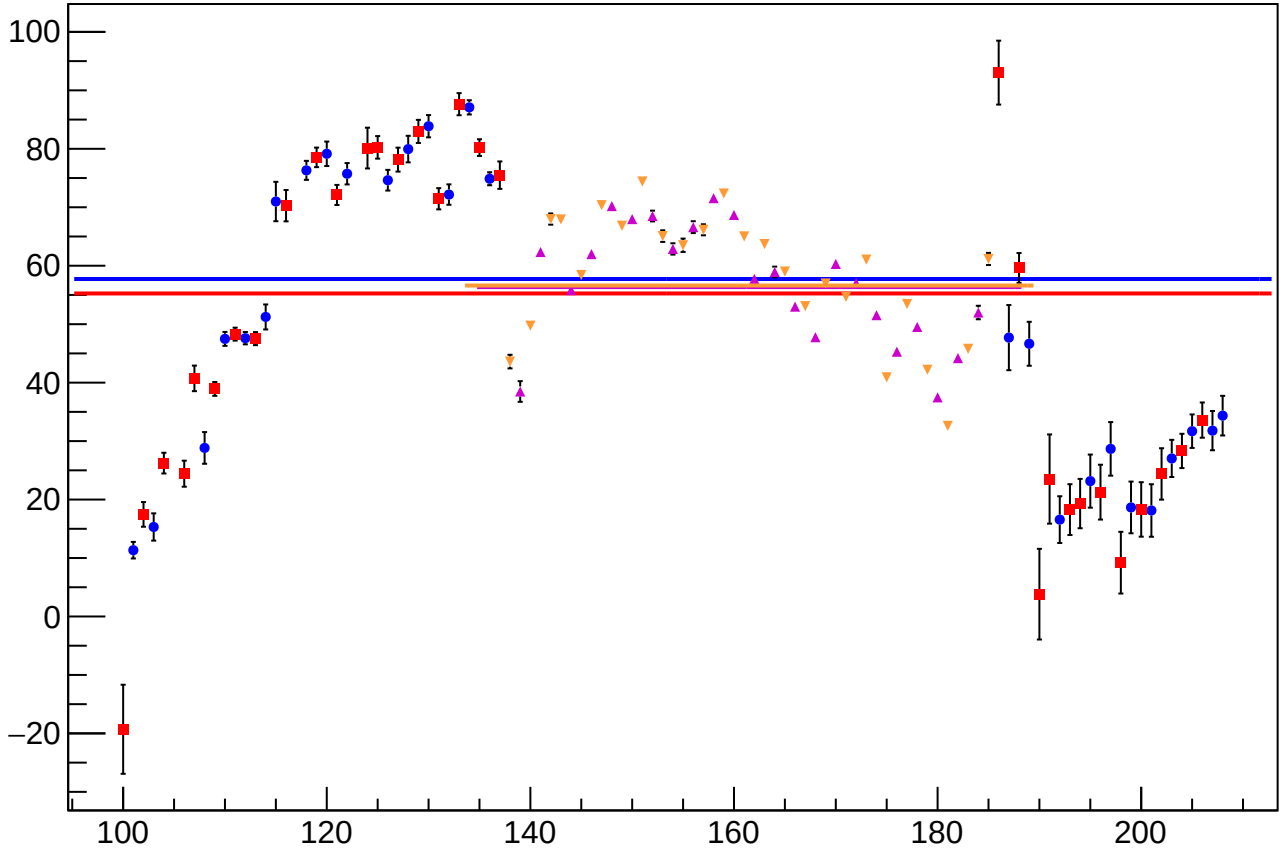
Right: -79.505+/-0.222 χ^2/NDF: 5318.7/57

In: -57.693+/-0.149 χ^2/NDF:25604.1/49

Out: -58.079+/-0.145 χ^2/NDF:30338.5/55

All: -57.892+/-0.104 χ^2/NDF: 55946.0/105

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 57.730+/-0.378 χ^2/NDF: 3956.6/26

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.255+/-0.378 χ^2/NDF: 3447.5/30

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

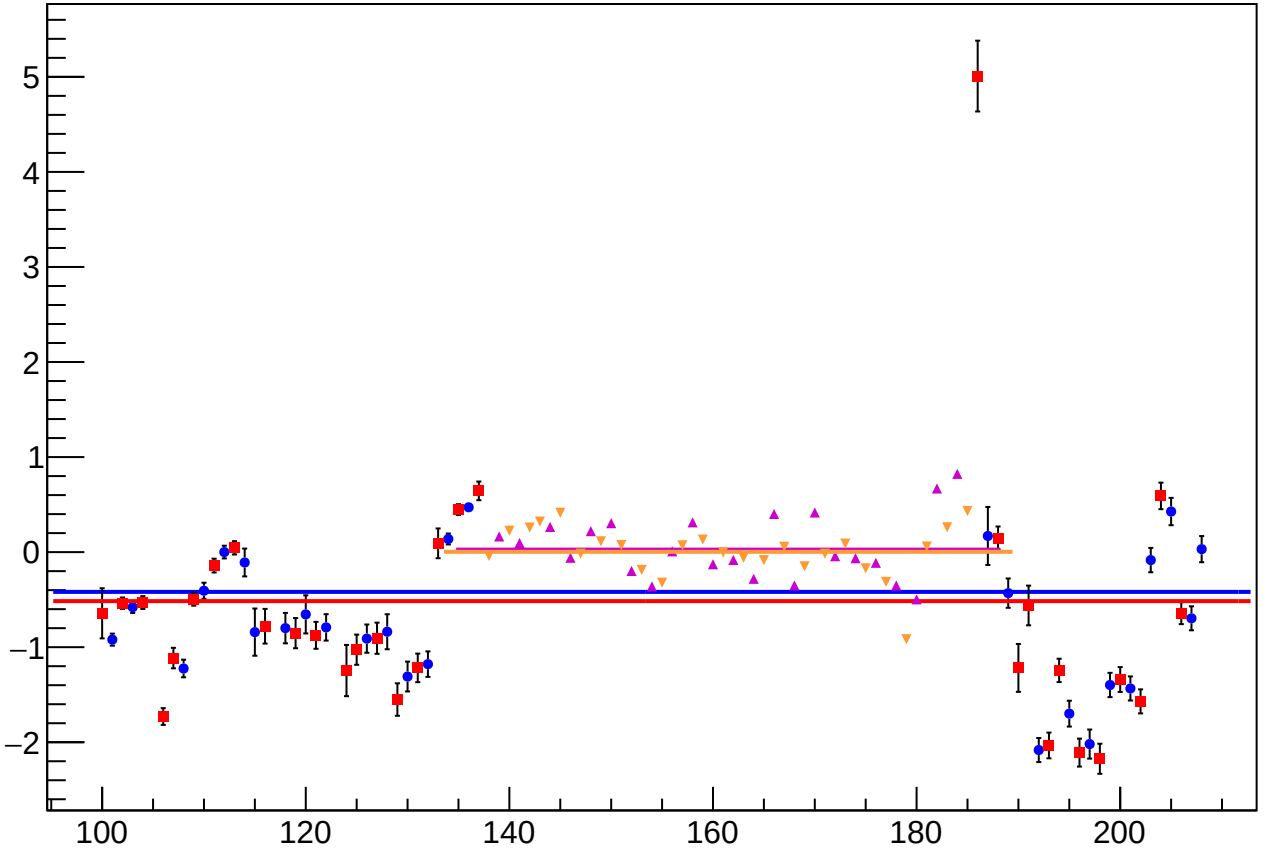
Right: 56.493+/-0.267 χ^2/NDF: 7425.5/57

In: 56.530+/-0.137 χ^2/NDF:7936.9/49

Out: 56.441+/-0.134 χ^2/NDF:9124.9/55

All: 56.484+/-0.096 χ^2/NDF: 17062.0/105

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.418+/-0.019 χ^2/NDF: 1323.2/26

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.515+/-0.019 χ^2/NDF: 1672.5/30

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

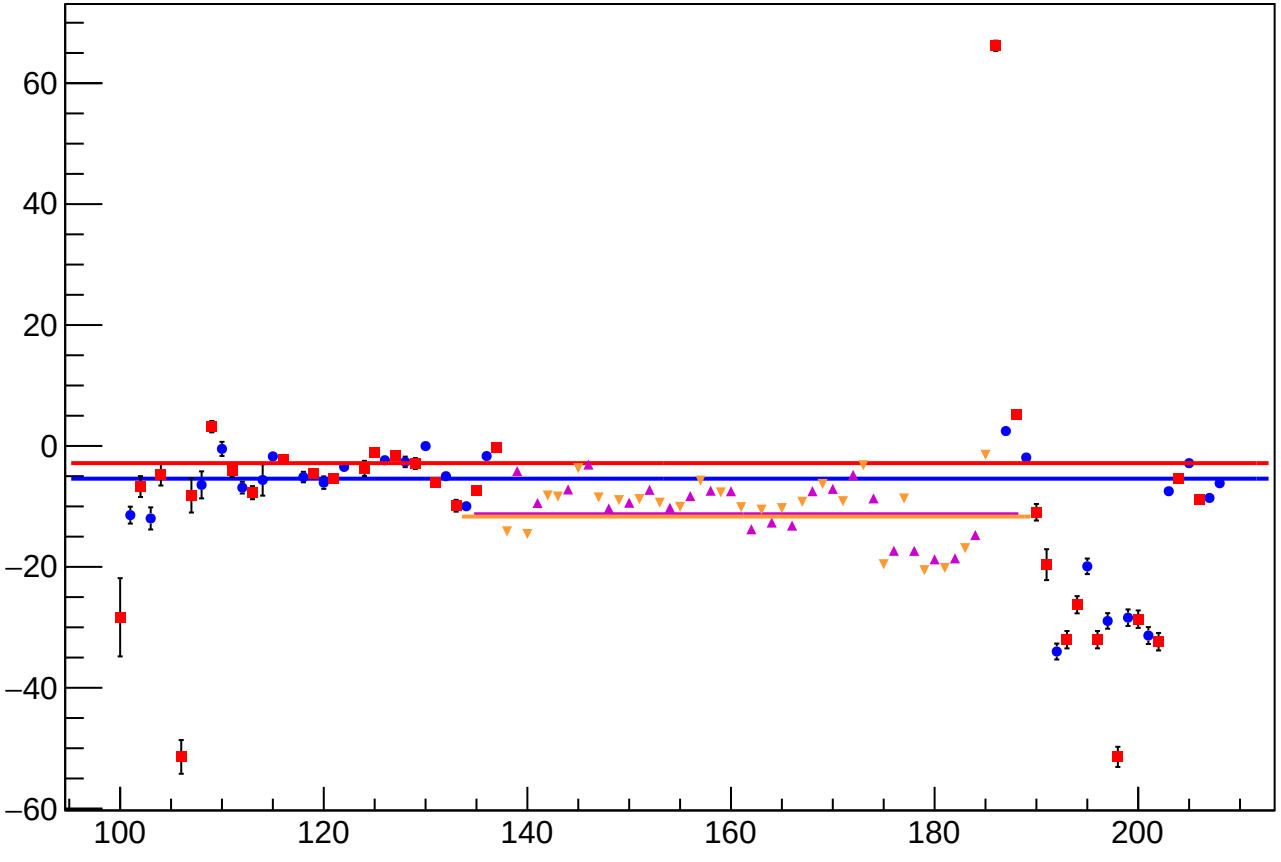
Right: -0.466+/-0.014 χ^2/NDF: 3008.3/57

In: -0.020+/-0.006 χ^2/NDF:4149.5/49

Out: -0.048+/-0.006 χ^2/NDF:4016.8/55

All: -0.034+/-0.004 χ^2/NDF: 8176.4/105

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.412+/-0.153 χ^2/NDF: 2041.0/26

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.843+/-0.158 χ^2/NDF: 10497.4/30

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

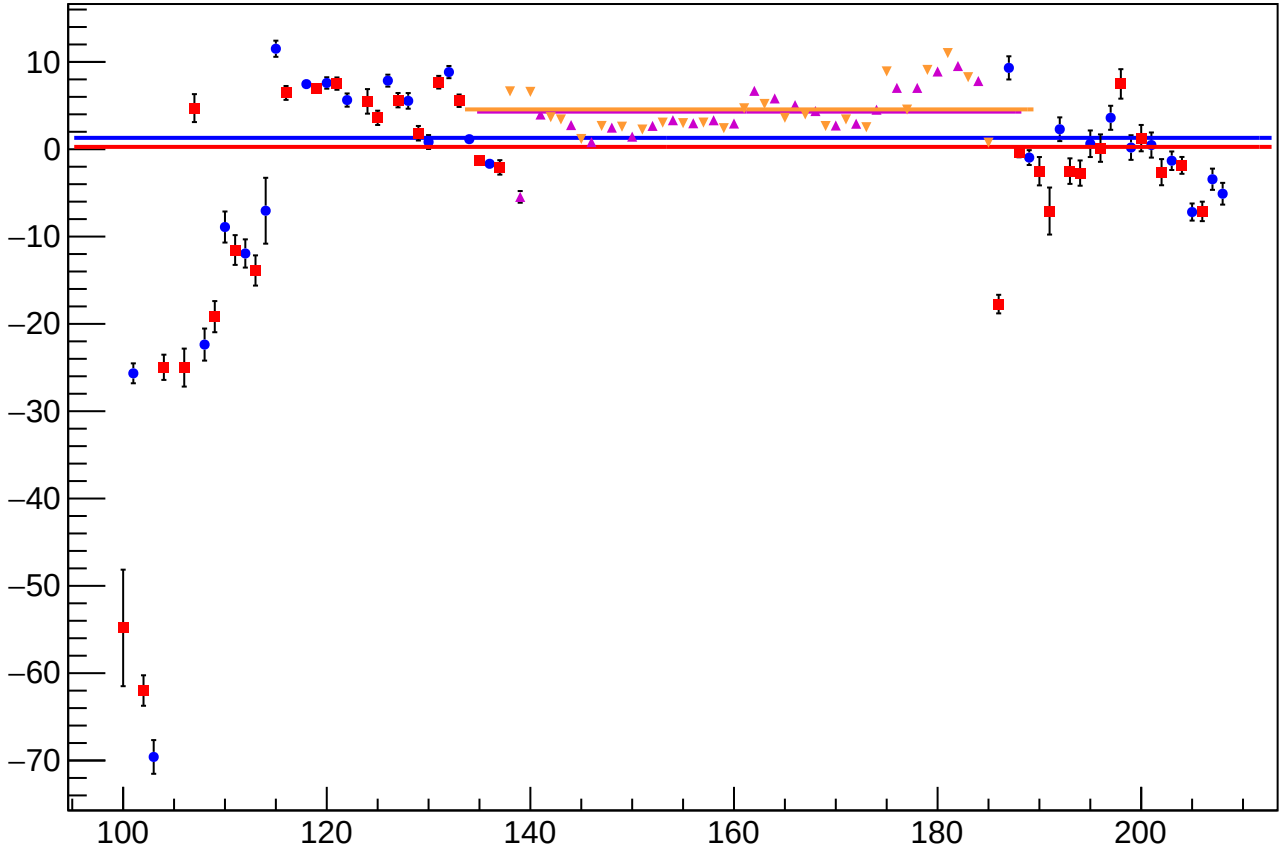
Right: -4.168+/-0.110 χ^2/NDF: 12674.8/57

In: -10.650+/-0.051 χ^2/NDF:12586.0/49

Out: -10.797+/-0.050 χ^2/NDF:25914.8/55

All: -10.725+/-0.036 χ^2/NDF: 38505.0/105

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.305+/-0.167 χ^2/NDF: 3018.9/26

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.270+/-0.178 χ^2/NDF: 2972.9/30

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

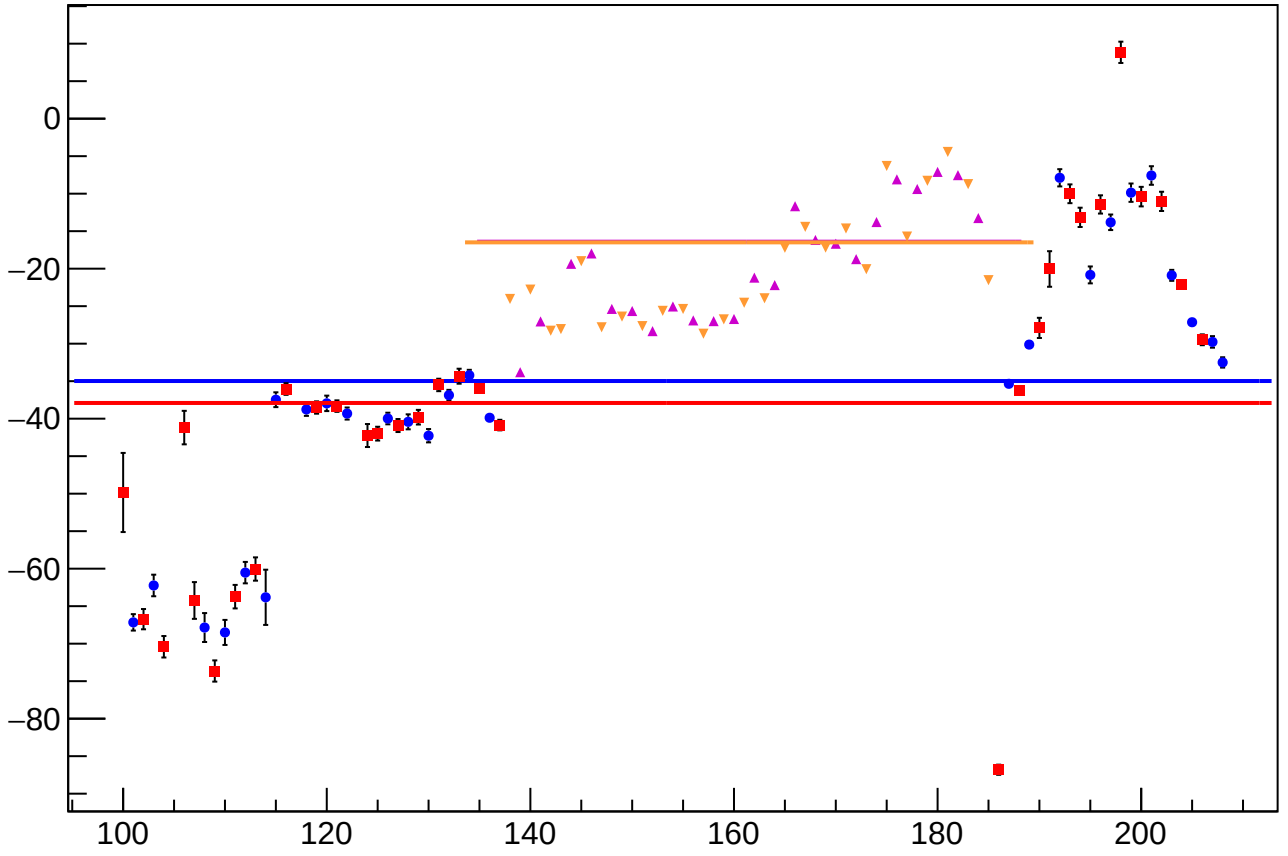
Right: 0.818+/-0.122 χ^2/NDF: 6009.8/57

In: 4.130+/-0.041 χ^2/NDF:6930.4/49

Out: 4.343+/-0.040 χ^2/NDF:7883.9/55

All: 4.237+/-0.029 χ^2/NDF: 14828.1/105

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.980+/-0.158 χ^2/NDF: 5383.6/26

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.906+/-0.161 χ^2/NDF: 11754.7/30

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

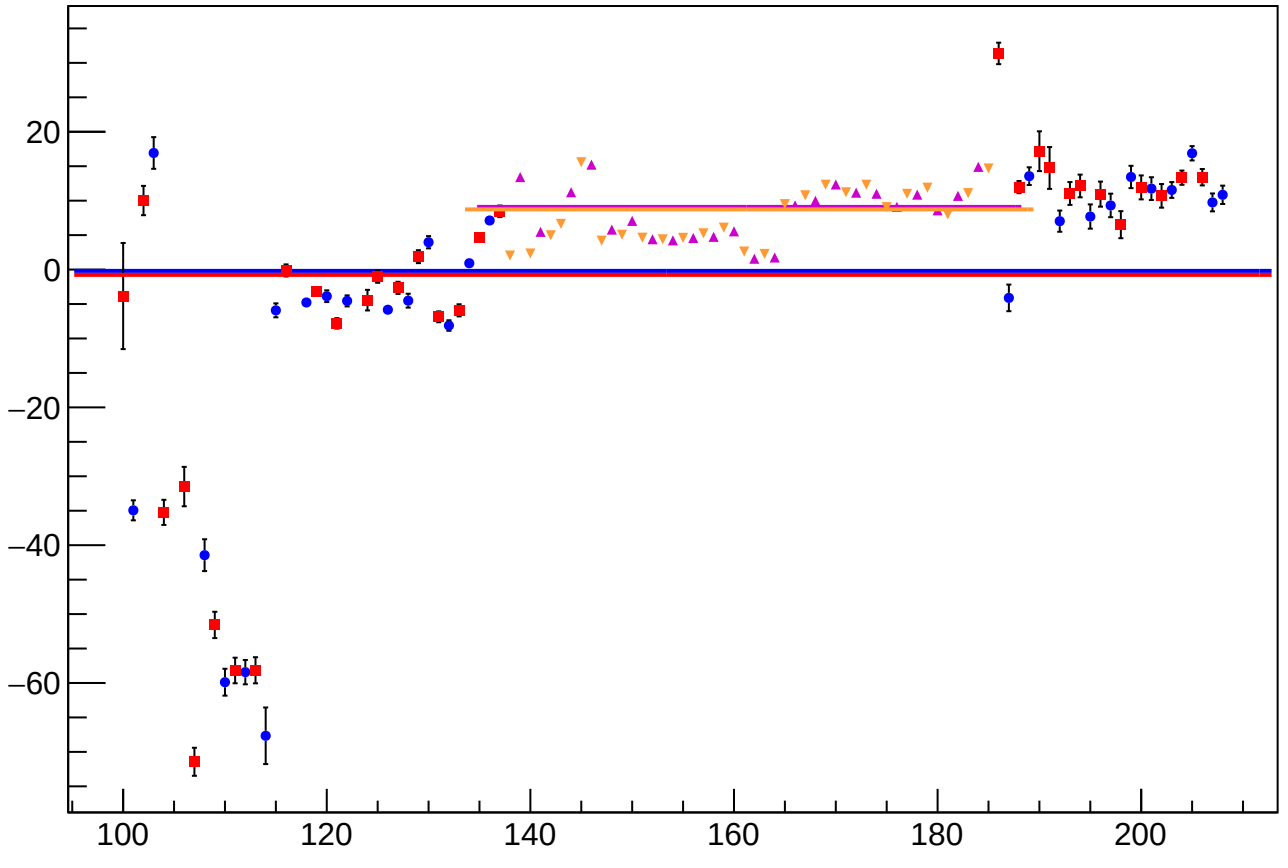
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.421+/-0.113 χ^2/NDF: 17306.3/57

In: -18.330+/-0.051 χ^2/NDF:35731.7/49

Out: -18.574+/-0.050 χ^2/NDF:49733.8/55

All: -18.454+/-0.036 χ^2/NDF: 85477.1/105



Right In: -0.189+/-0.188 χ^2/NDF: 4713.2/26

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -0.768+/-0.204 χ^2/NDF: 6003.5/30

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

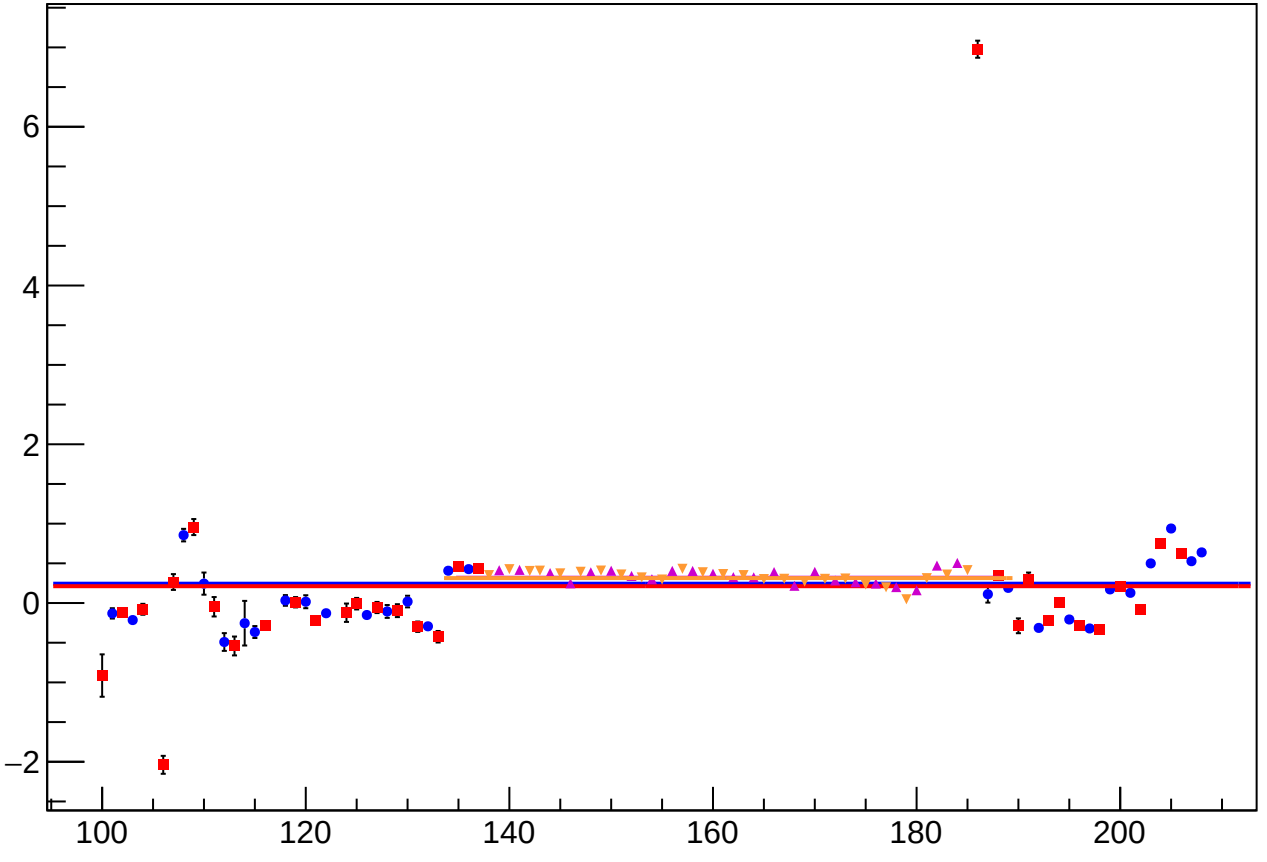
Right: -0.455+/-0.138 χ^2/NDF: 10721.1/57

In: 8.548+/-0.046 χ^2/NDF:12748.4/49

Out: 8.269+/-0.045 χ^2/NDF:14951.6/55

All: 8.407+/-0.032 χ^2/NDF: 27718.9/105

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.243+/-0.009 χ^2/NDF: 1226.4/26

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.212+/-0.010 χ^2/NDF: 5525.8/30

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

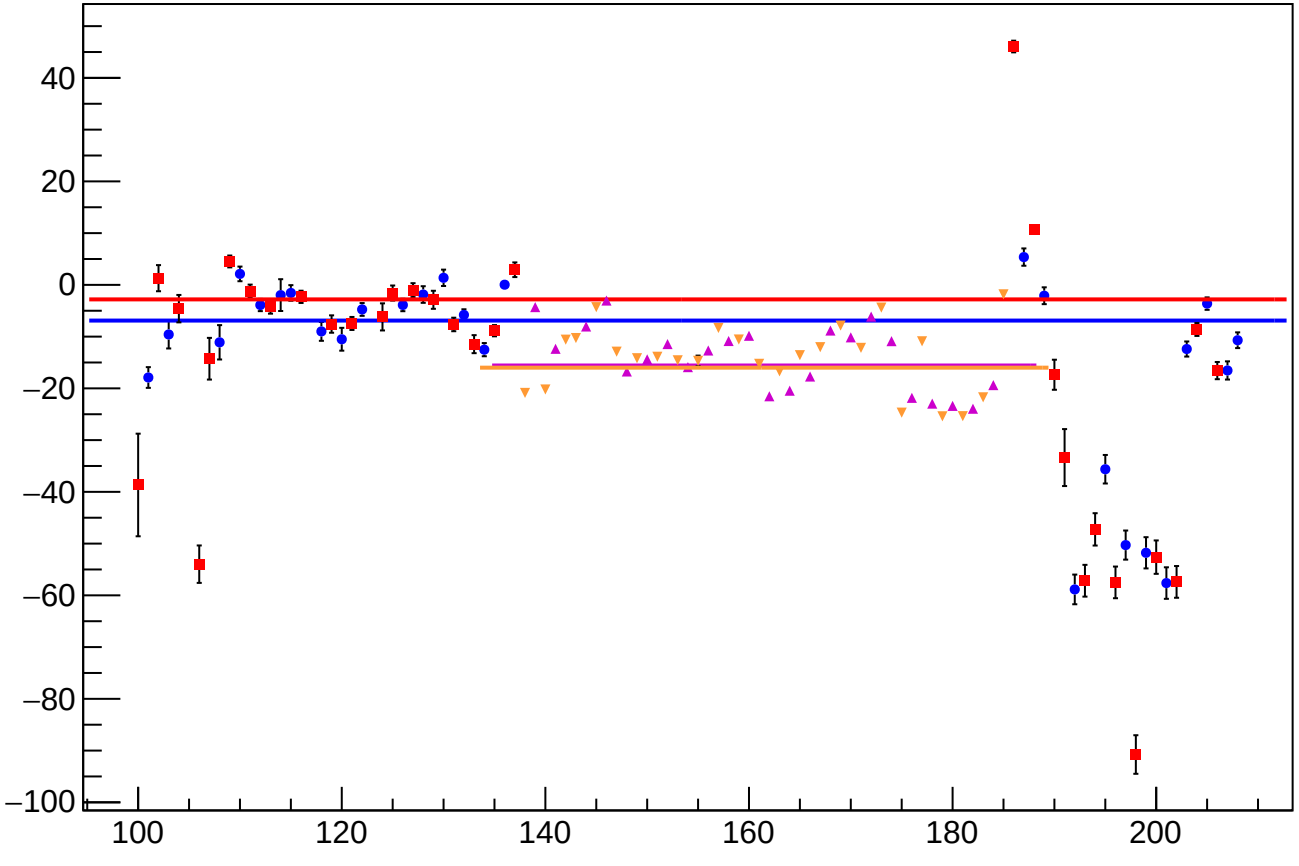
Right: 0.229+/-0.007 χ^2/NDF: 6757.4/57

In: 0.315+/-0.002 χ^2/NDF:3076.6/49

Out: 0.310+/-0.002 χ^2/NDF:7224.2/55

All: 0.312+/-0.001 χ^2/NDF: 10303.9/105

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.898+/-0.294 χ^2/NDF: 1556.4/26

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.806+/-0.294 χ^2/NDF: 4566.5/30

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

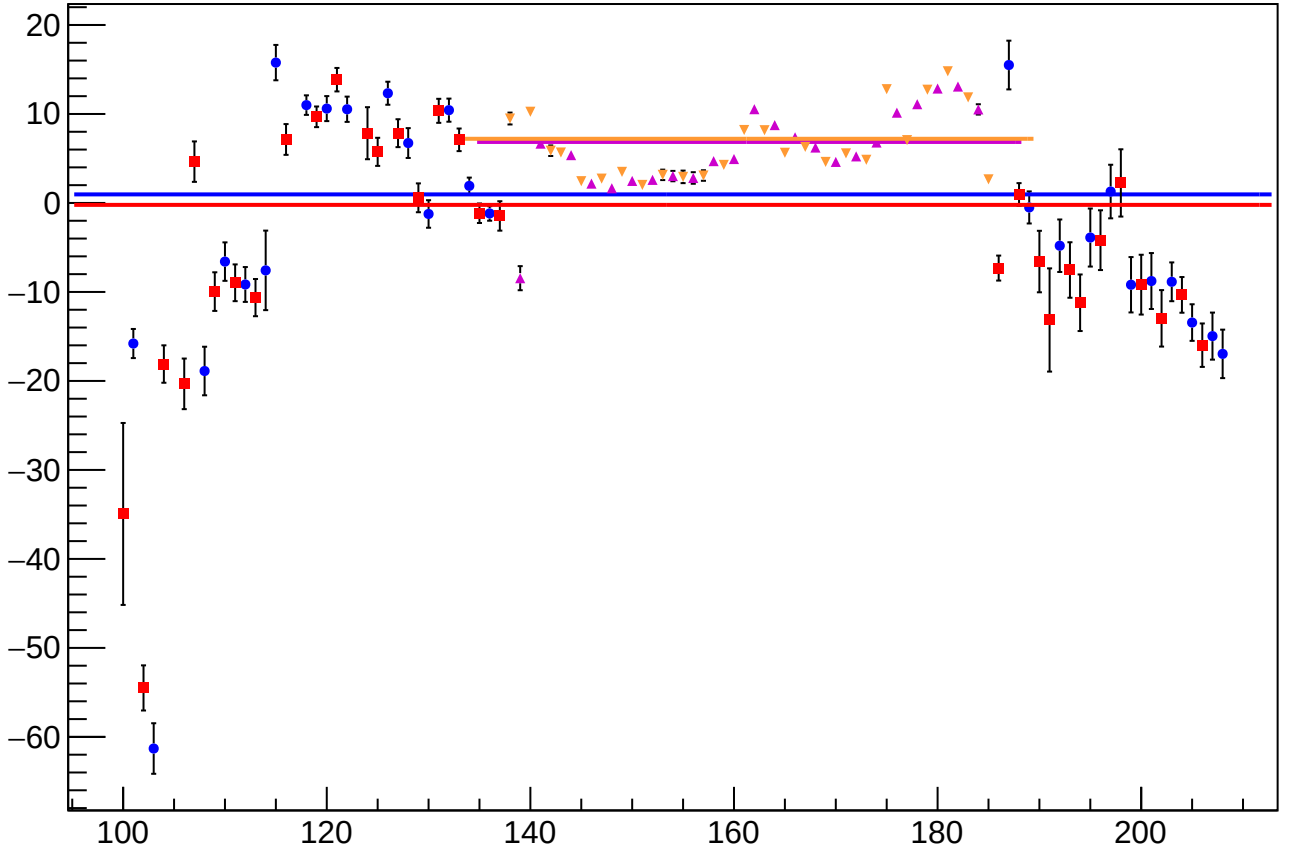
Right: -4.853+/-0.208 χ^2/NDF: 6220.0/57

In: -14.647+/-0.096 χ^2/NDF:7097.0/49

Out: -14.644+/-0.094 χ^2/NDF:12340.9/55

All: -14.646+/-0.067 χ^2/NDF: 19438.0/105

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.963+/-0.324 χ^2/NDF: 1268.6/26

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.216+/-0.335 χ^2/NDF: 1153.0/30

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

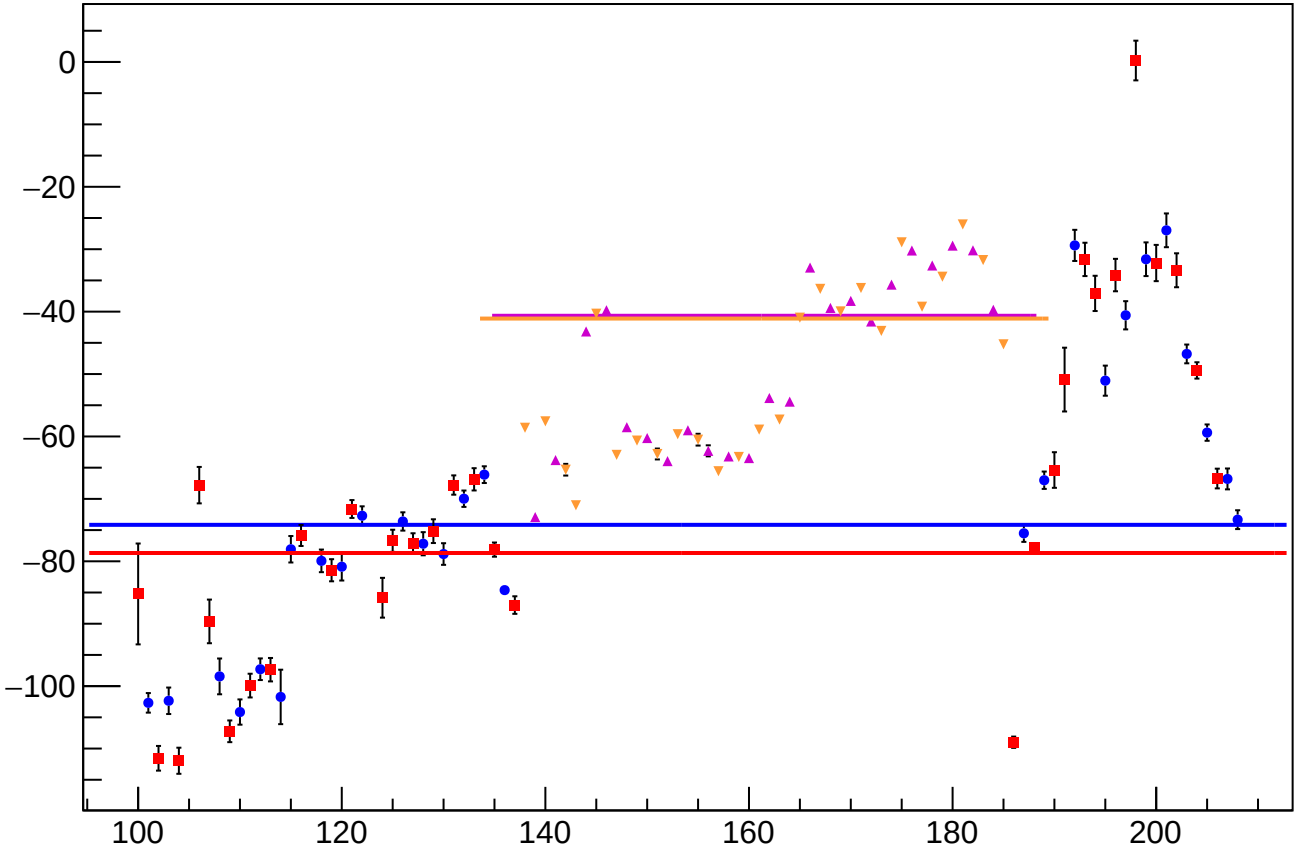
Right: 0.394+/-0.233 χ^2/NDF: 2428.0/57

In: 6.508+/-0.079 χ^2/NDF:3736.9/49

Out: 6.811+/-0.078 χ^2/NDF:4073.9/55

All: 6.661+/-0.055 χ^2/NDF: 7818.3/105

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -74.158+/-0.309 χ^2/NDF: 3008.8/26

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.669+/-0.304 χ^2/NDF: 4918.8/30

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

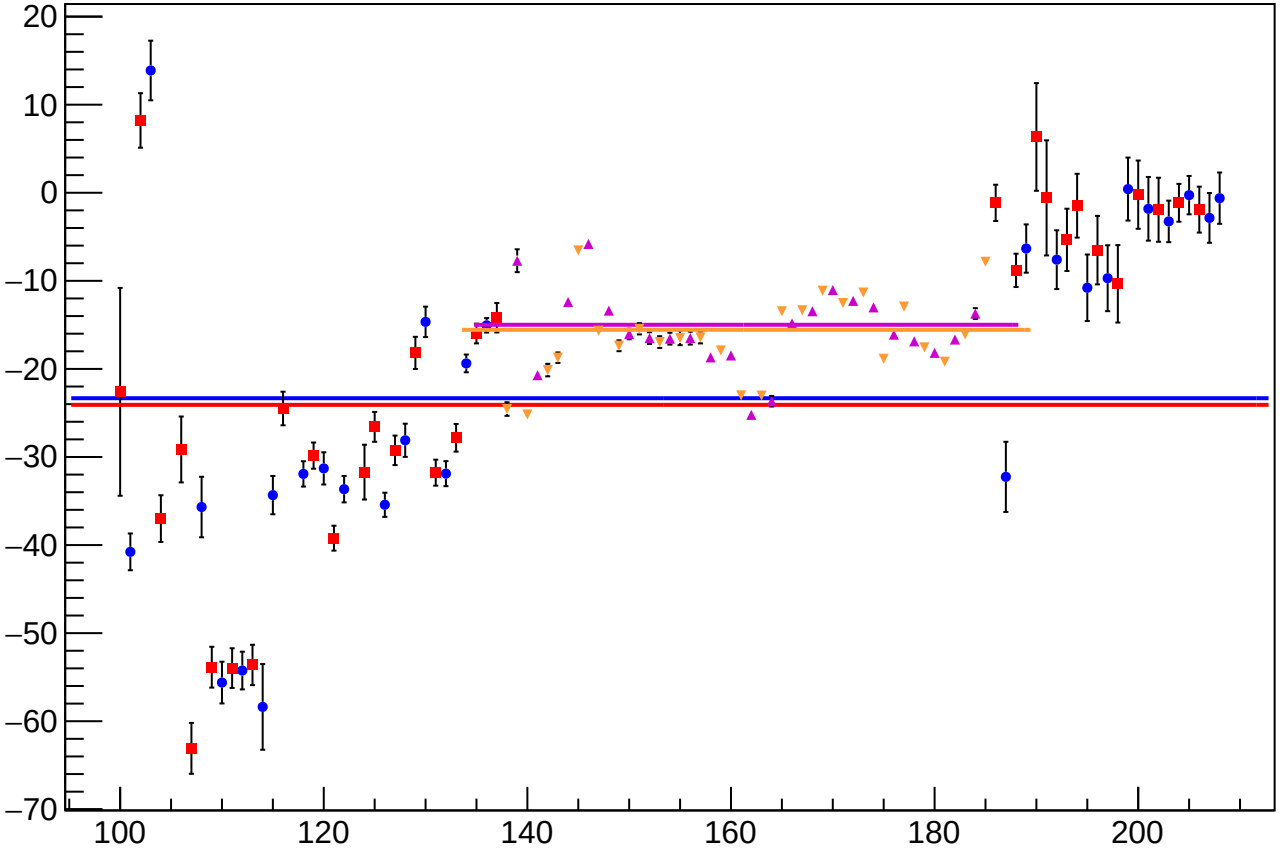
Right: -76.454+/-0.217 χ^2/NDF: 8035.7/57

In: -43.960+/-0.097 χ^2/NDF:27113.1/49

Out: -44.780+/-0.095 χ^2/NDF:34701.5/55

All: -44.379+/-0.068 χ^2/NDF: 61851.1/105

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.327+/-0.363 χ^2/NDF: 1507.3/26

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.079+/-0.386 χ^2/NDF: 1688.3/30

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

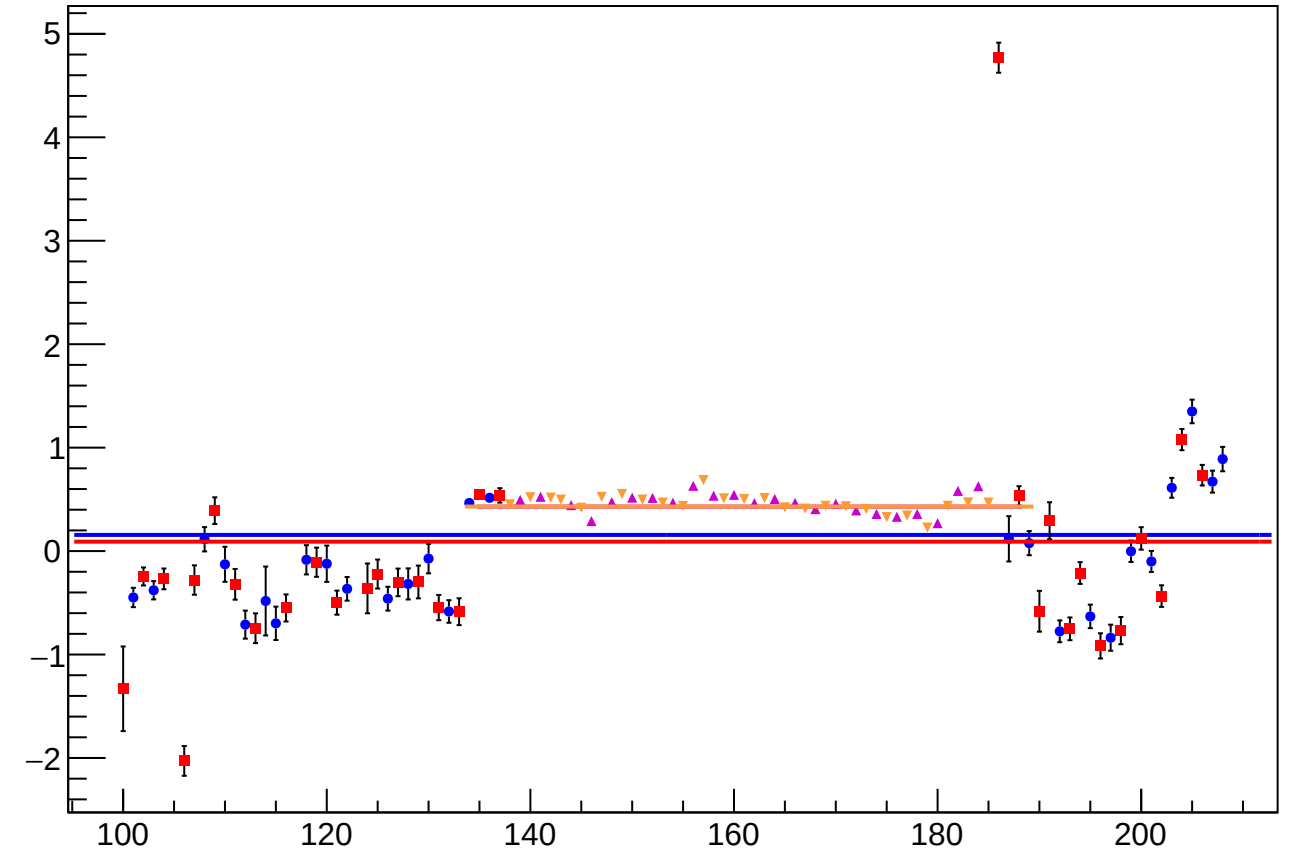
Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

Right: -23.680+/-0.264 χ^2/NDF: 3197.7/57

In: -15.477+/-0.088 χ^2/NDF:4156.1/49

Out: -15.992+/-0.087 χ^2/NDF:4701.1/55

All: -15.737+/-0.062 χ^2/NDF: 8874.7/105



Right In: 0.156+/-0.018 χ^2/NDF: 814.4/26

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.091+/-0.020 χ^2/NDF: 1998.4/30

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

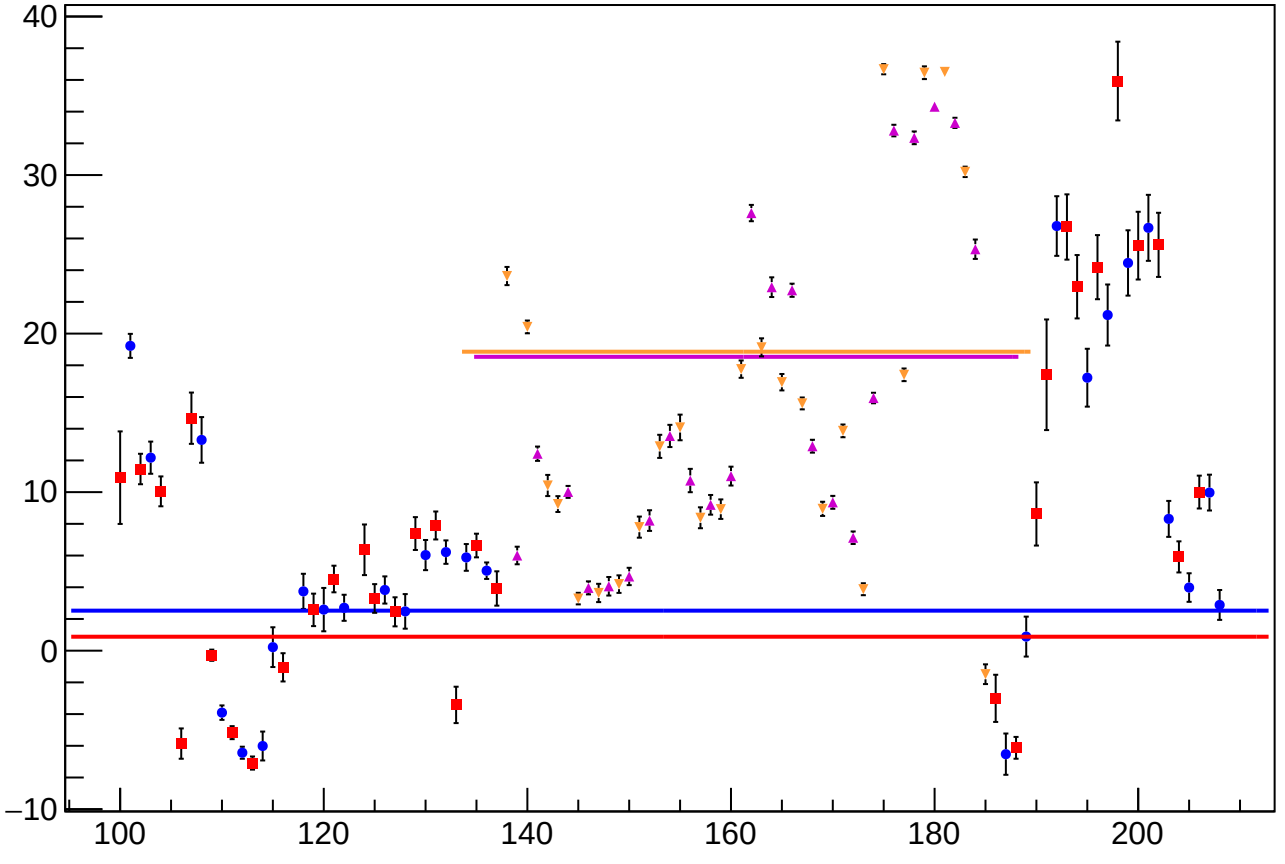
Right: 0.127+/-0.013 χ^2/NDF: 2818.7/57

In: 0.417+/-0.004 χ^2/NDF:1614.9/49

Out: 0.418+/-0.004 χ^2/NDF:2701.3/55

All: 0.417+/-0.003 χ^2/NDF: 4316.3/105

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.525+/-0.166 χ^2/NDF: 2254.1/26

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.880+/-0.154 χ^2/NDF: 2327.4/30

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

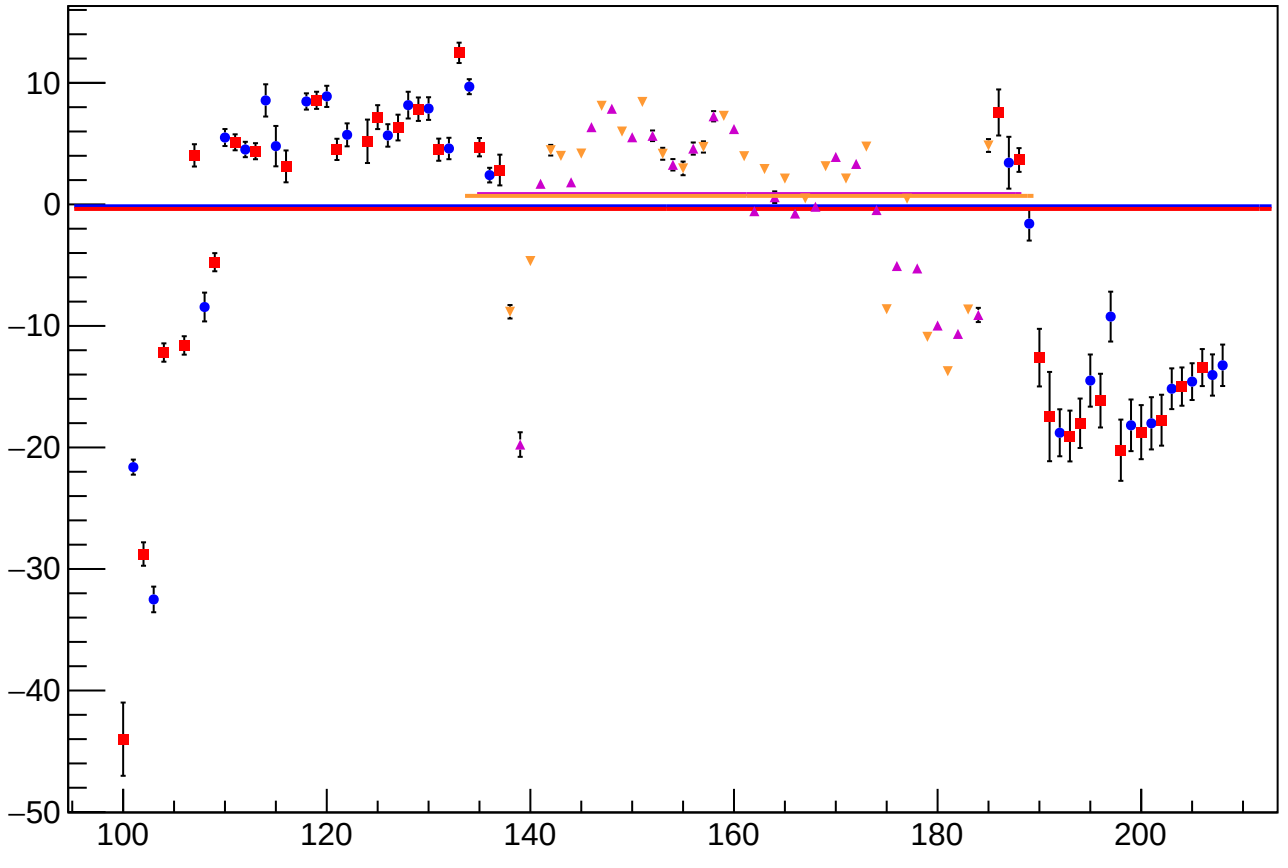
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.643+/-0.113 χ^2/NDF: 4634.0/57

In: 14.696+/-0.081 χ^2/NDF:23390.9/49

Out: 14.271+/-0.078 χ^2/NDF:30790.4/55

All: 14.475+/-0.056 χ^2/NDF: 54195.6/105



Right In: -0.156+/-0.191 χ^2/NDF: 3742.2/26

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.373+/-0.188 χ^2/NDF: 3064.1/30

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

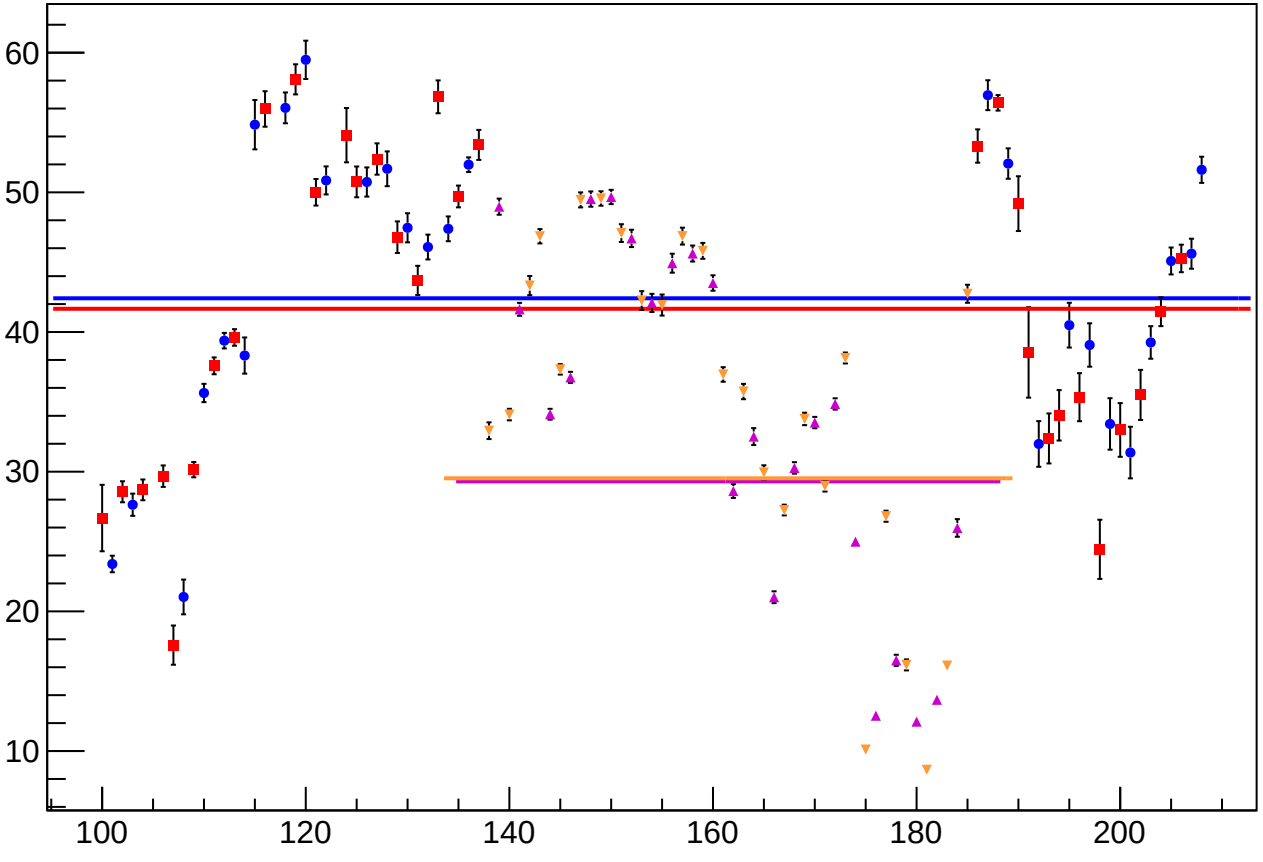
Right: -0.266+/-0.134 χ^2/NDF: 6807.0/57

In: 0.720+/-0.068 χ^2/NDF:9811.8/49

Out: 0.570+/-0.066 χ^2/NDF:11330.5/55

All: 0.643+/-0.047 χ^2/NDF: 21144.8/105

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.415+/-0.183 χ^2/NDF: 3258.7/26

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.663+/-0.176 χ^2/NDF: 3725.1/30

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

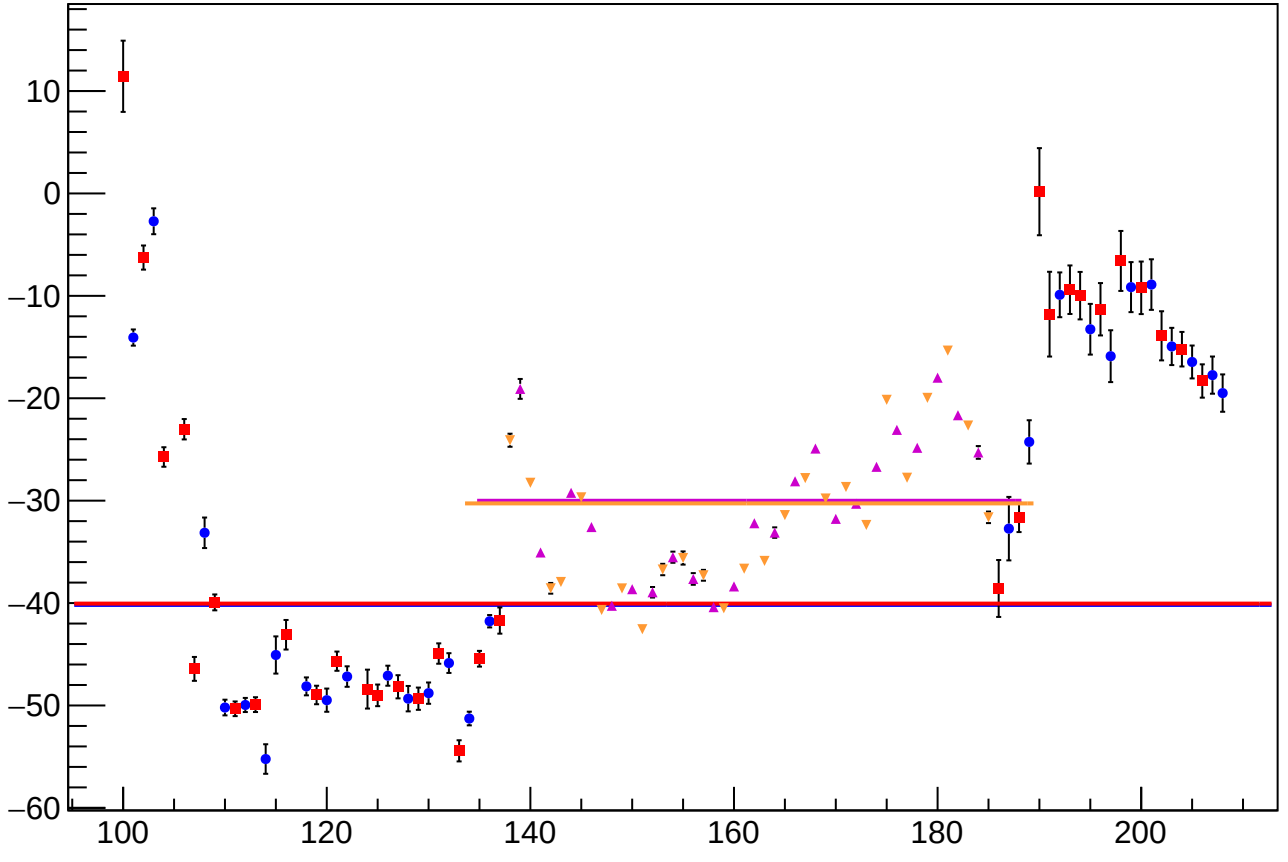
Right: 42.024+/-0.127 χ^2/NDF: 6992.6/57

In: 31.999+/-0.083 χ^2/NDF:25203.1/49

Out: 32.071+/-0.081 χ^2/NDF:28572.9/55

All: 32.036+/-0.058 χ^2/NDF: 53776.4/105

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -40.181+/-0.216 χ^2/NDF: 4646.8/26

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.053+/-0.216 χ^2/NDF: 4026.9/30

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

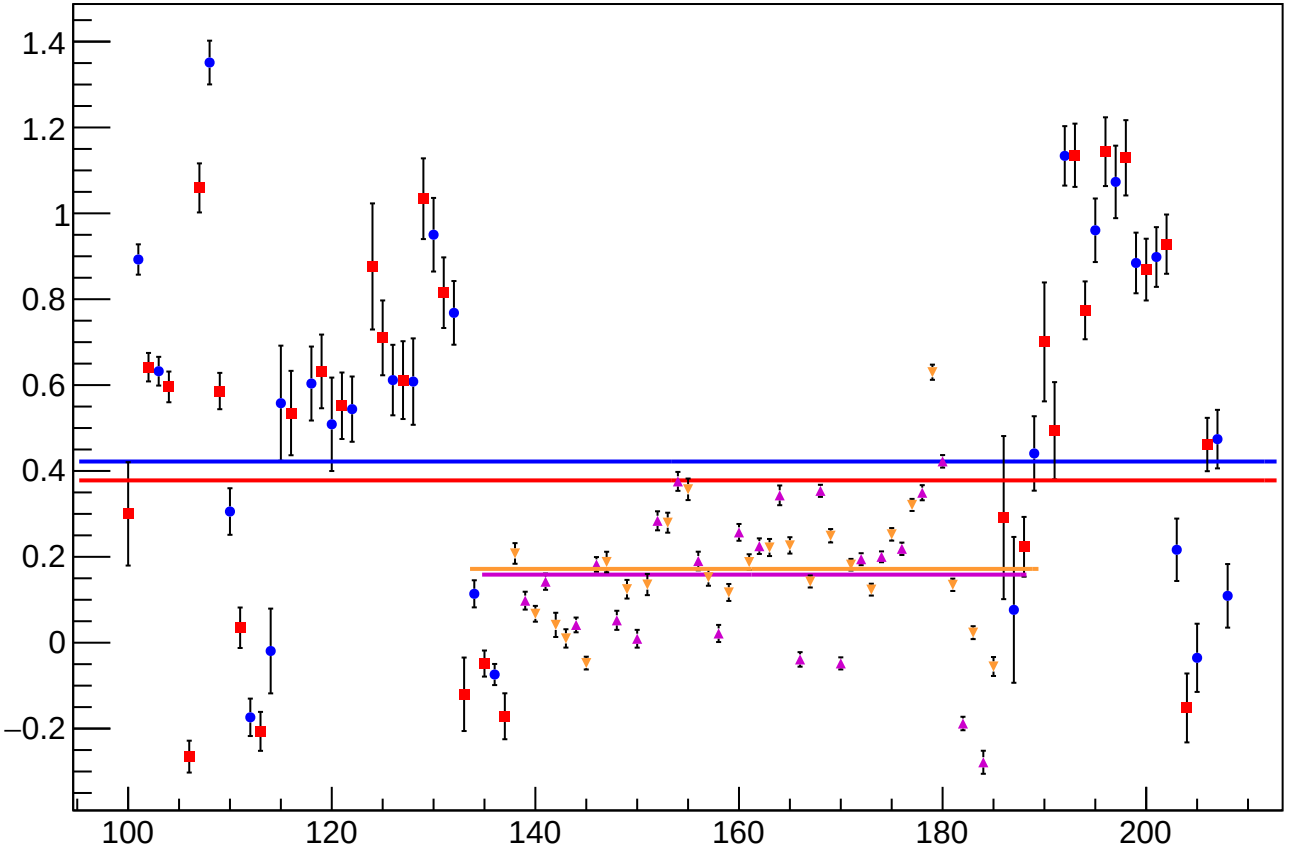
Right: -40.117+/-0.153 χ^2/NDF: 8673.9/57

In: -31.277+/-0.076 χ^2/NDF:12676.2/49

Out: -31.431+/-0.074 χ^2/NDF:14339.0/55

All: -31.356+/-0.053 χ^2/NDF: 27017.4/105

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.422+/-0.011 χ^2/NDF: 1712.2/26

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.378+/-0.011 χ^2/NDF: 1721.6/30

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

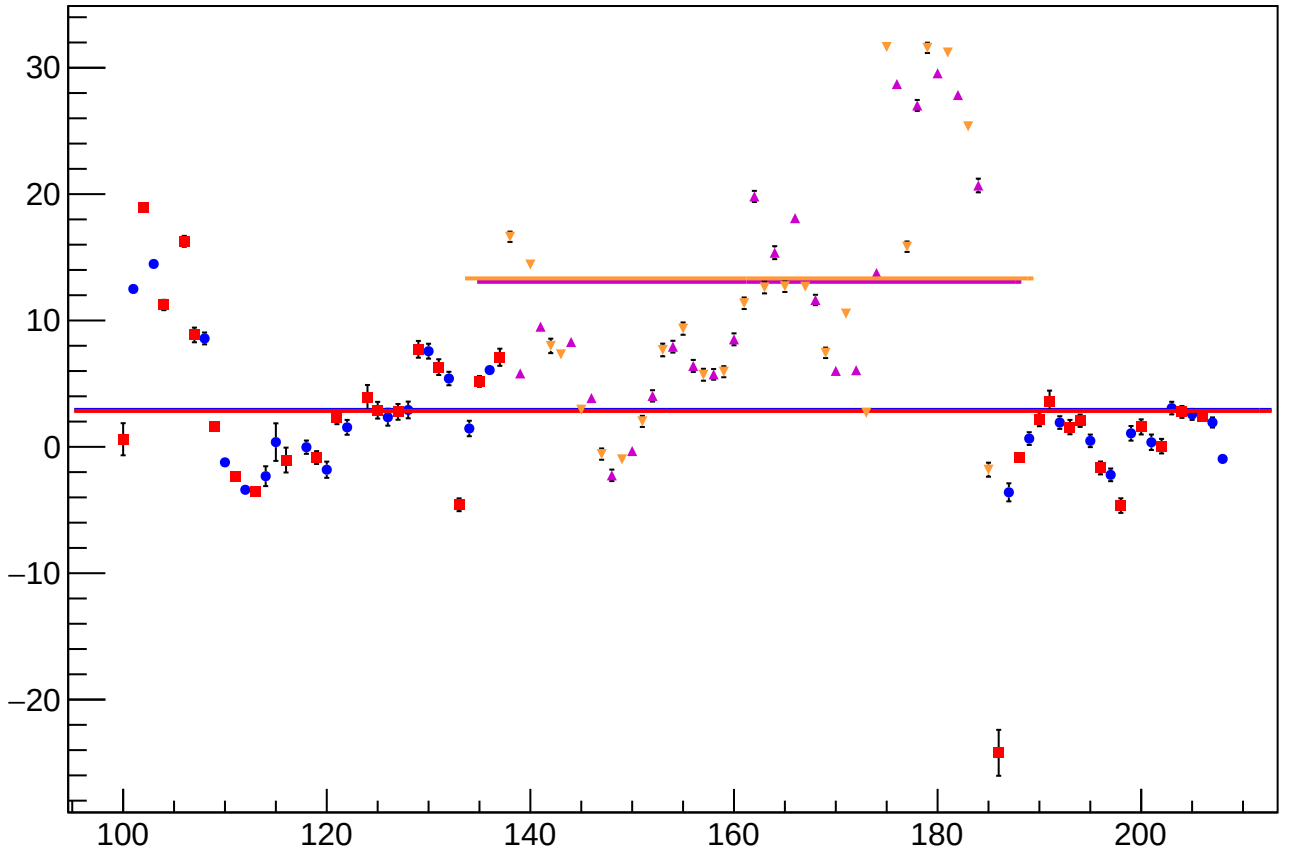
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.400+/-0.008 χ^2/NDF: 3442.2/57

In: 0.185+/-0.003 χ^2/NDF:4433.9/49

Out: 0.192+/-0.003 χ^2/NDF:3555.8/55

All: 0.189+/-0.002 χ^2/NDF: 7991.8/105



Right In: 2.924+/-0.091 χ^2/NDF: 3194.5/26

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.841+/-0.086 χ^2/NDF: 5107.5/30

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

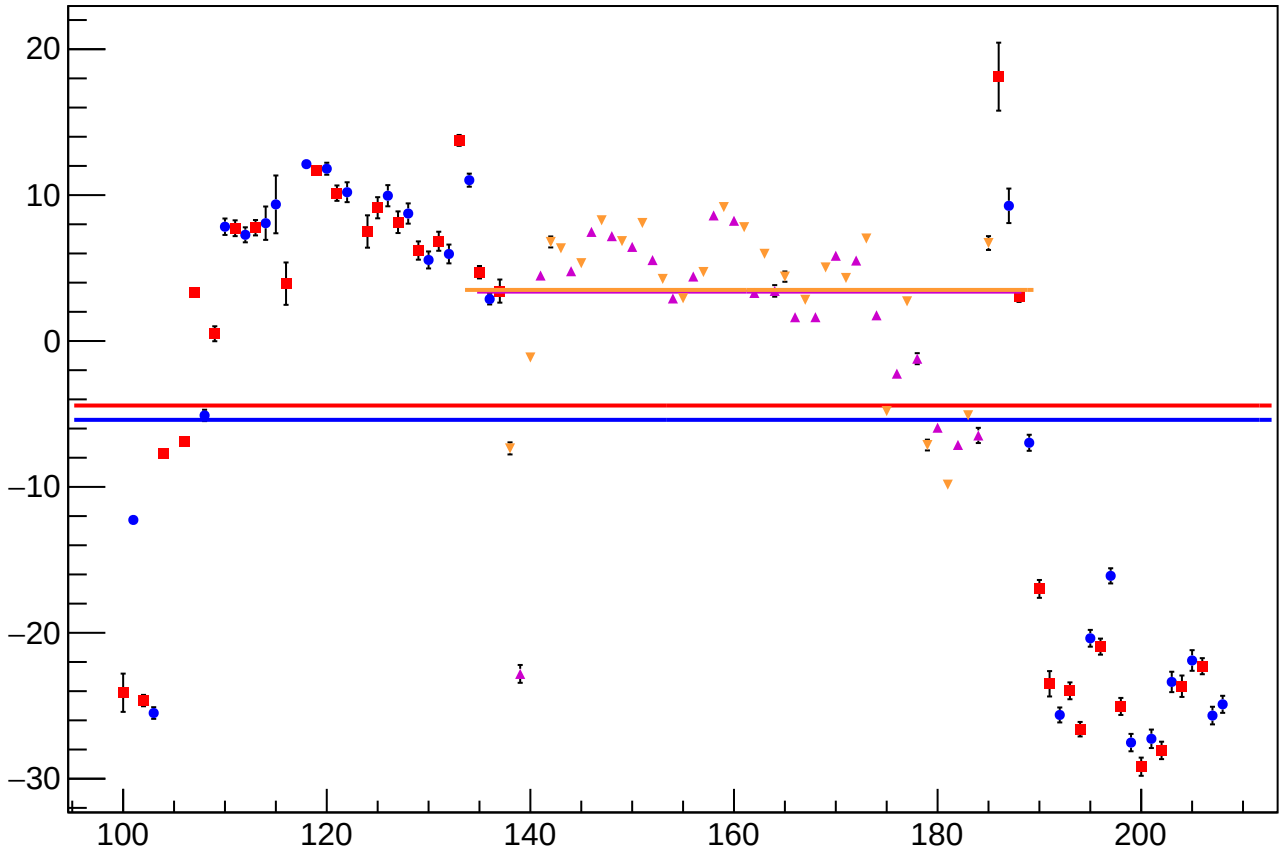
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.880+/-0.062 χ^2/NDF: 8302.4/57

In: 8.677+/-0.060 χ^2/NDF:25818.1/49

Out: 8.670+/-0.057 χ^2/NDF:32834.5/55

All: 8.674+/-0.041 χ^2/NDF: 58652.6/105



Right In: -5.404+/-0.098 χ^2/NDF: 22064.3/26

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -4.422+/-0.093 χ^2/NDF: 23776.8/30

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

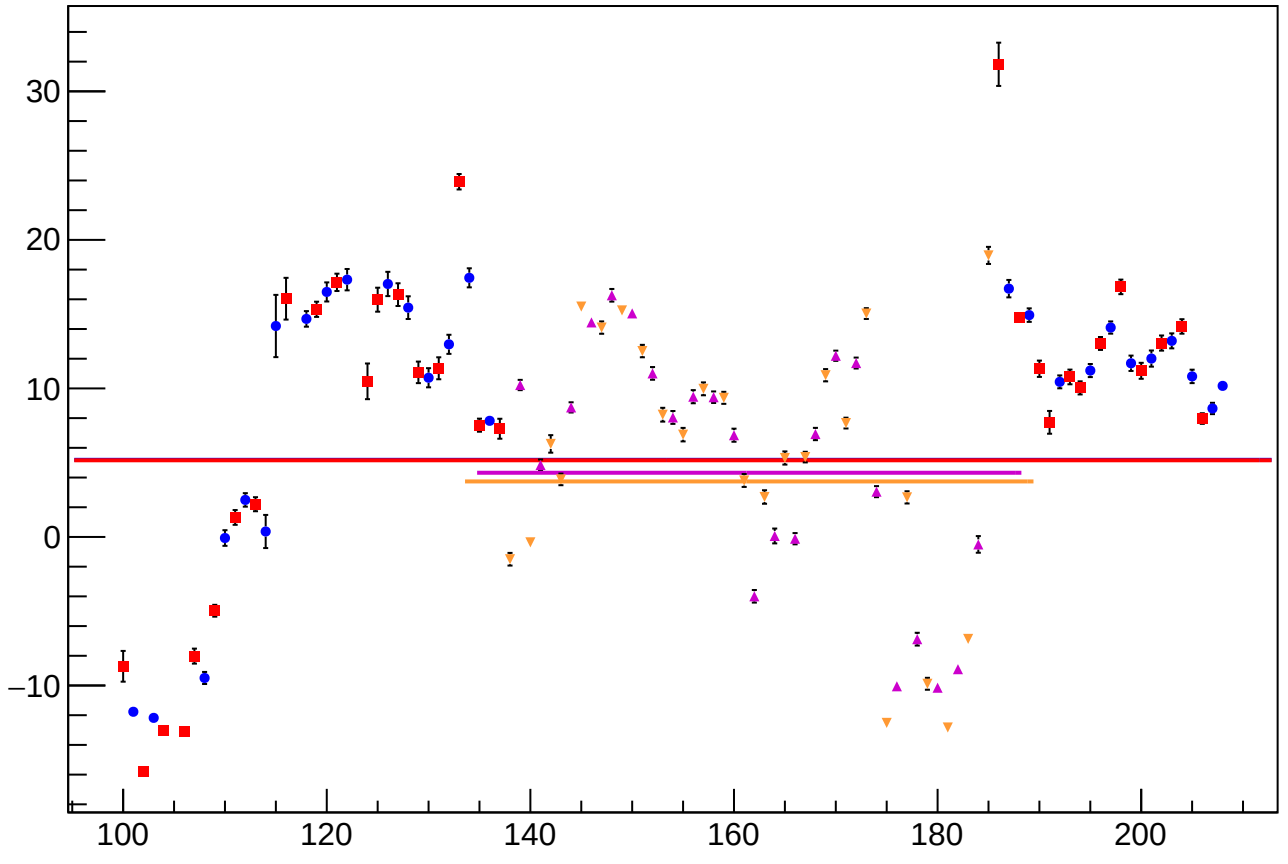
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -4.886+/-0.067 χ^2/NDF: 45894.0/57

In: 0.933+/-0.052 χ^2/NDF:34561.6/49

Out: 1.247+/-0.050 χ^2/NDF:36900.7/55

All: 1.097+/-0.036 χ^2/NDF: 71481.4/105



Right In: 5.193+/-0.089 χ^2/NDF: 13868.1/26

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.162+/-0.084 χ^2/NDF: 19978.0/30

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

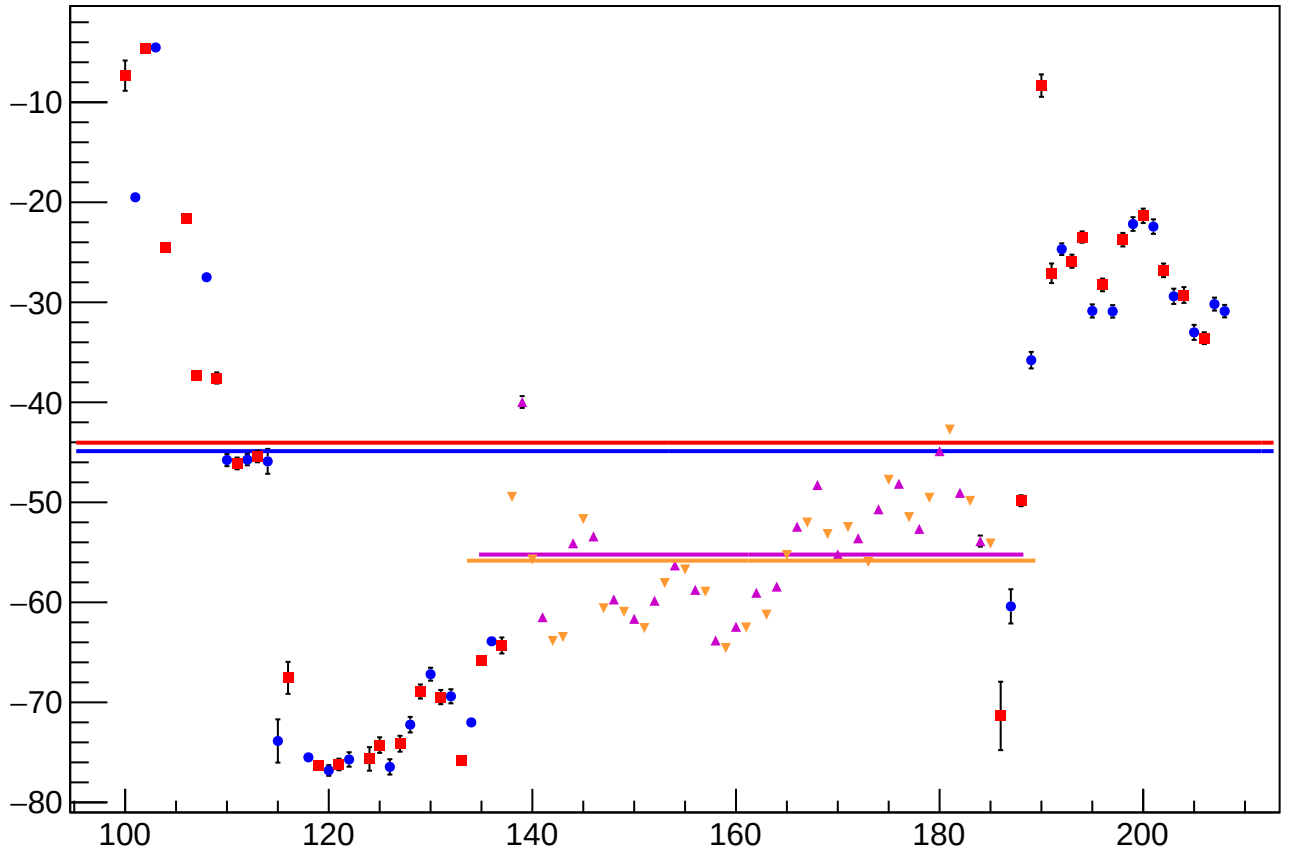
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.177+/-0.061 χ^2/NDF: 33846.1/57

In: 4.704+/-0.059 χ^2/NDF:26405.2/49

Out: 4.383+/-0.057 χ^2/NDF:35721.9/55

All: 4.537+/-0.041 χ^2/NDF: 62142.6/105



Right In: -44.882+/-0.114 χ^2/NDF: 42055.3/26

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.034+/-0.110 χ^2/NDF: 43340.3/30

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

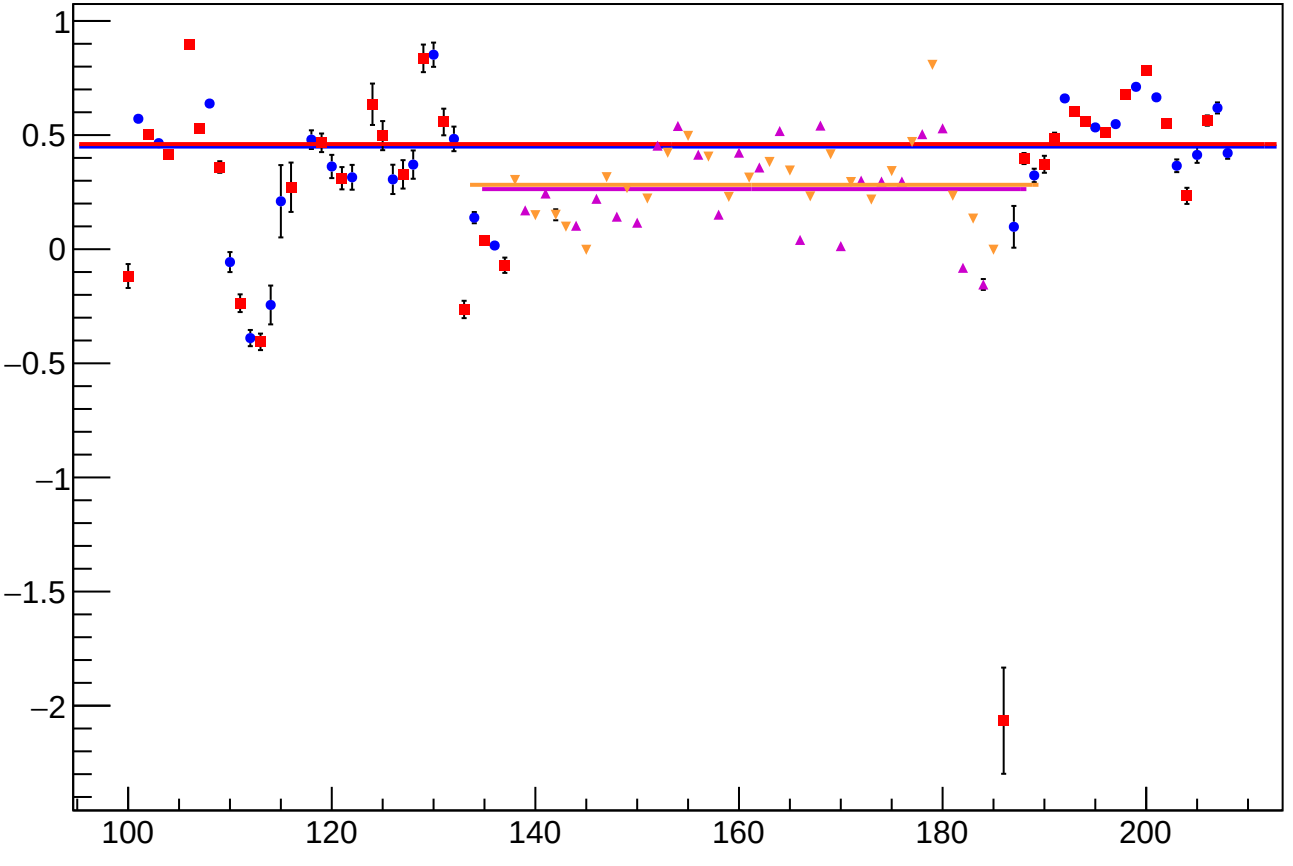
Right: -44.442+/-0.079 χ^2/NDF: 85424.1/57

In: -52.483+/-0.059 χ^2/NDF:54397.8/49

Out: -52.690+/-0.057 χ^2/NDF:59354.2/55

All: -52.590+/-0.041 χ^2/NDF: 113758.5/105

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.450+/-0.005 χ^2/NDF: 2607.7/26

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.461+/-0.004 χ^2/NDF: 3649.7/30

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

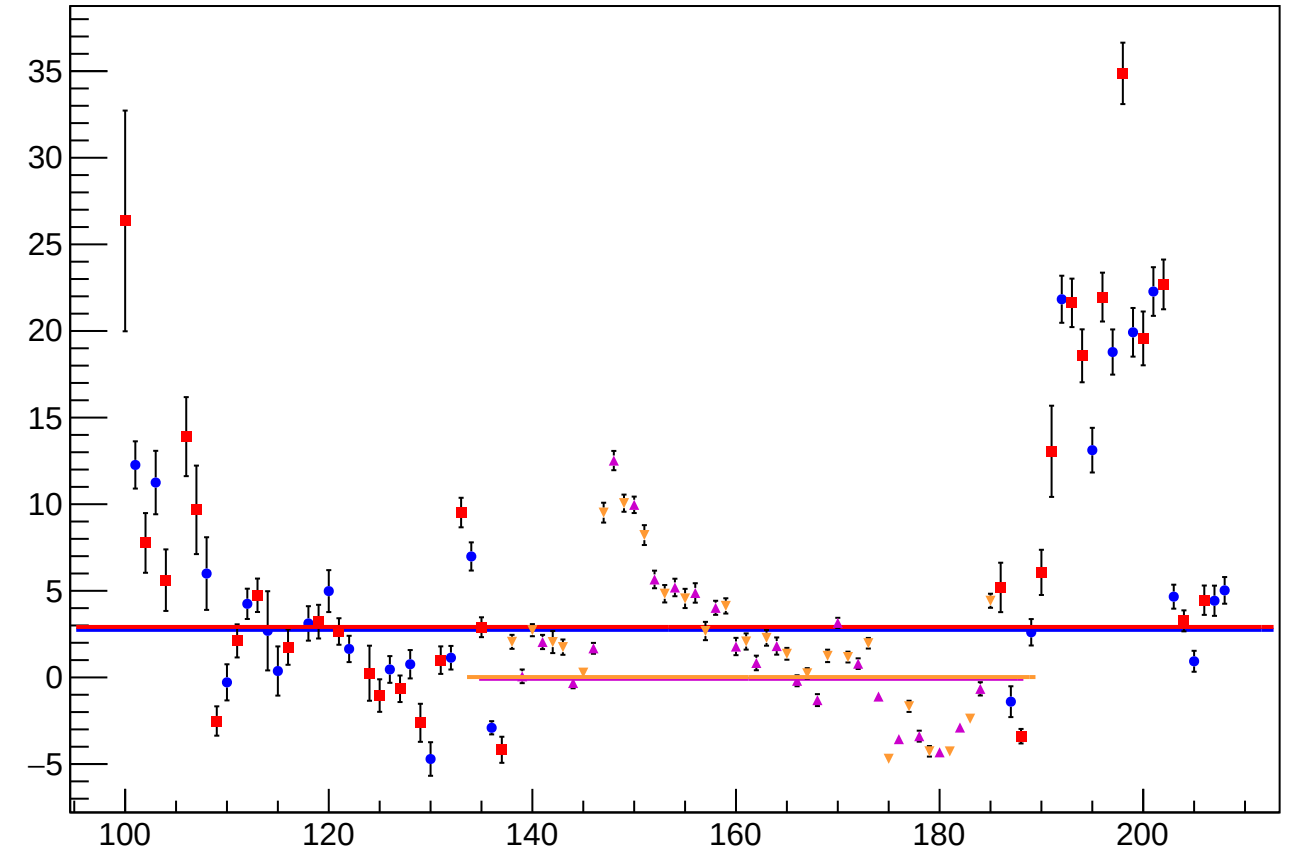
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.455+/-0.003 χ^2/NDF: 6260.2/57

In: 0.317+/-0.003 χ^2/NDF:7539.3/49

Out: 0.337+/-0.002 χ^2/NDF:7456.4/55

All: 0.327+/-0.002 χ^2/NDF: 15024.9/105



Right In: 2.747+/-0.167 χ^2/NDF: 1225.2/26

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.914+/-0.172 χ^2/NDF: 1671.5/30

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

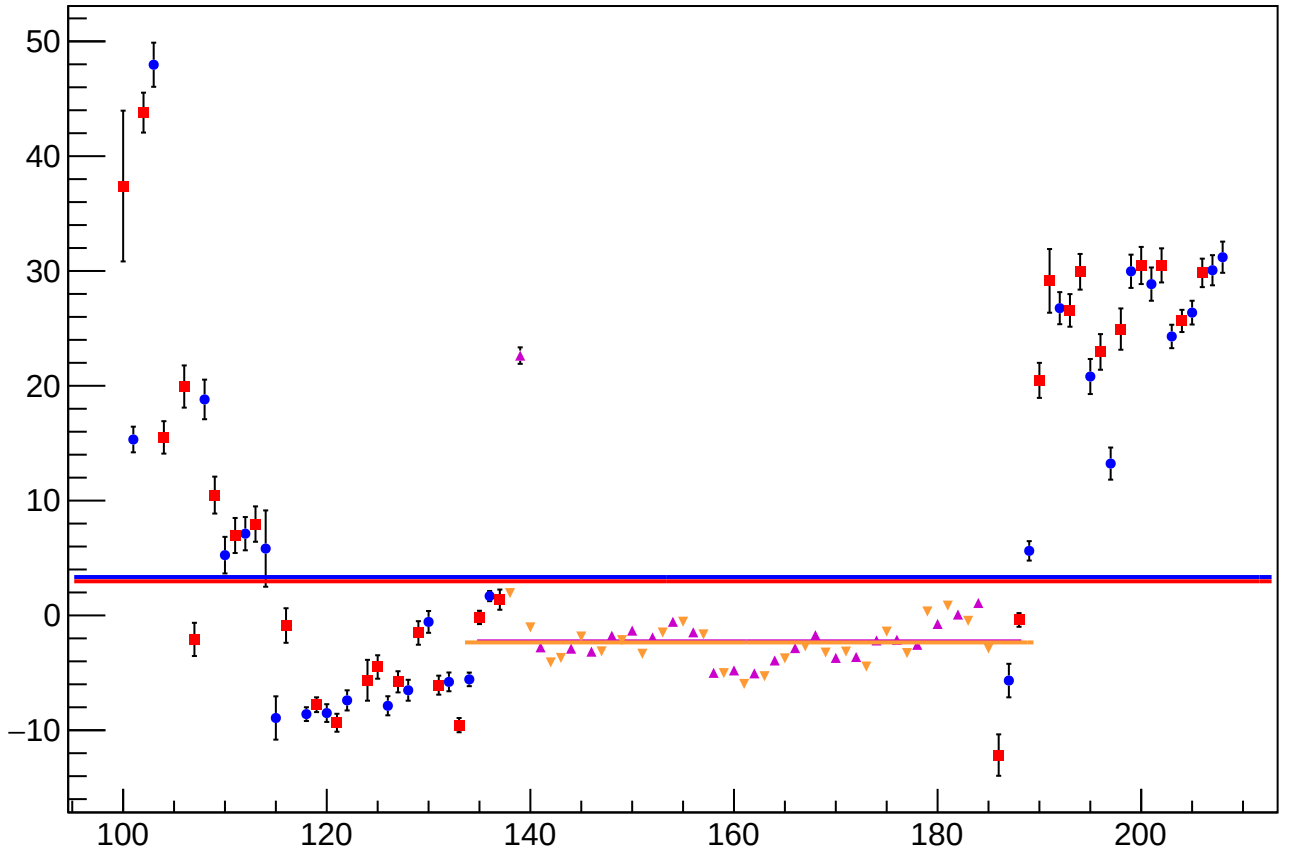
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.828+/-0.120 χ^2/NDF: 2897.1/57

In: 0.348+/-0.065 χ^2/NDF:3931.8/49

Out: 0.419+/-0.064 χ^2/NDF:4674.9/55

All: 0.384+/-0.046 χ^2/NDF: 8607.3/105



Right In: 3.344+/-0.186 χ^2/NDF: 5153.5/26

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 2.972+/-0.193 χ^2/NDF: 4941.0/30

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

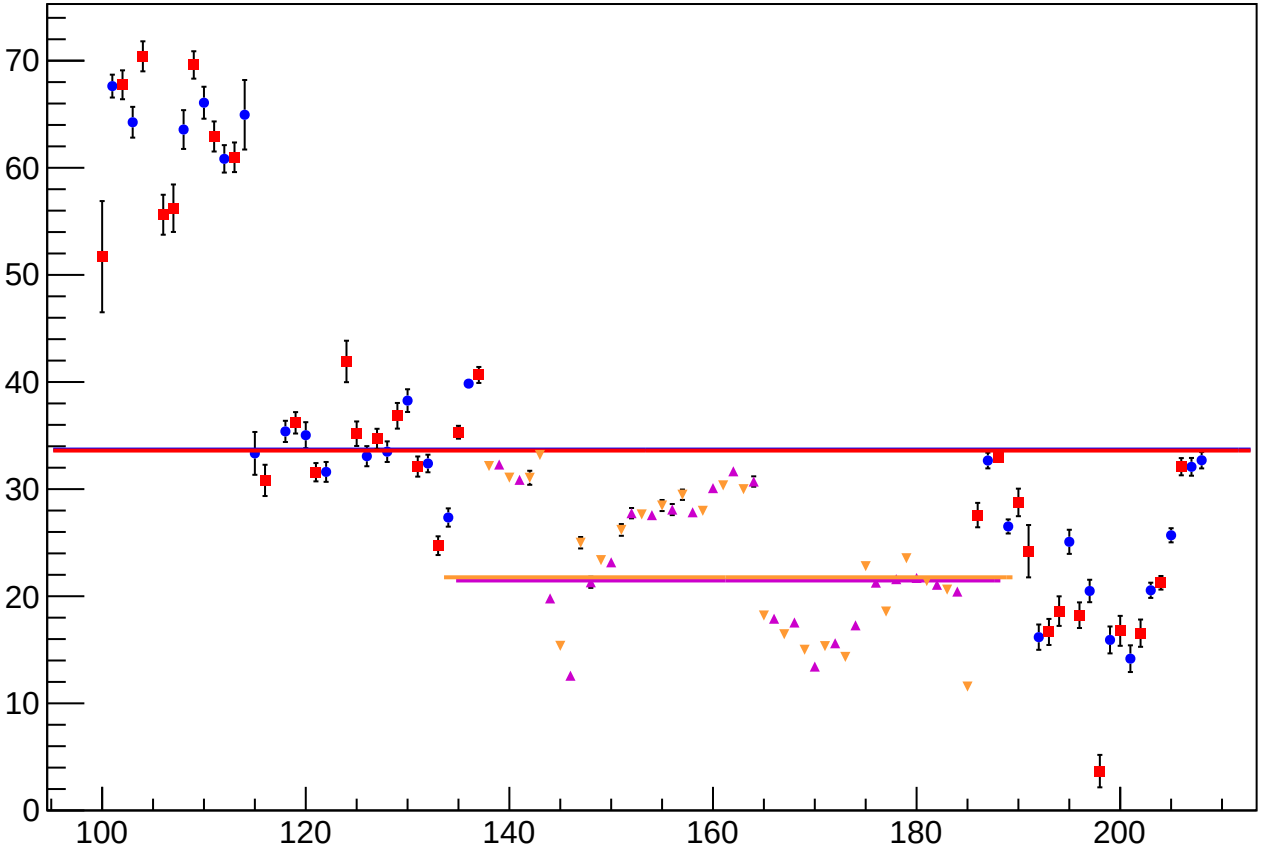
Right: 3.164+/-0.134 χ^2/NDF: 10096.4/57

In: -1.786+/-0.054 χ^2/NDF:7859.9/49

Out: -1.950+/-0.053 χ^2/NDF:6772.8/55

All: -1.869+/-0.038 χ^2/NDF: 14637.4/105

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.693+/-0.172 χ^2/NDF: 4586.8/26

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.602+/-0.172 χ^2/NDF: 5088.6/30

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

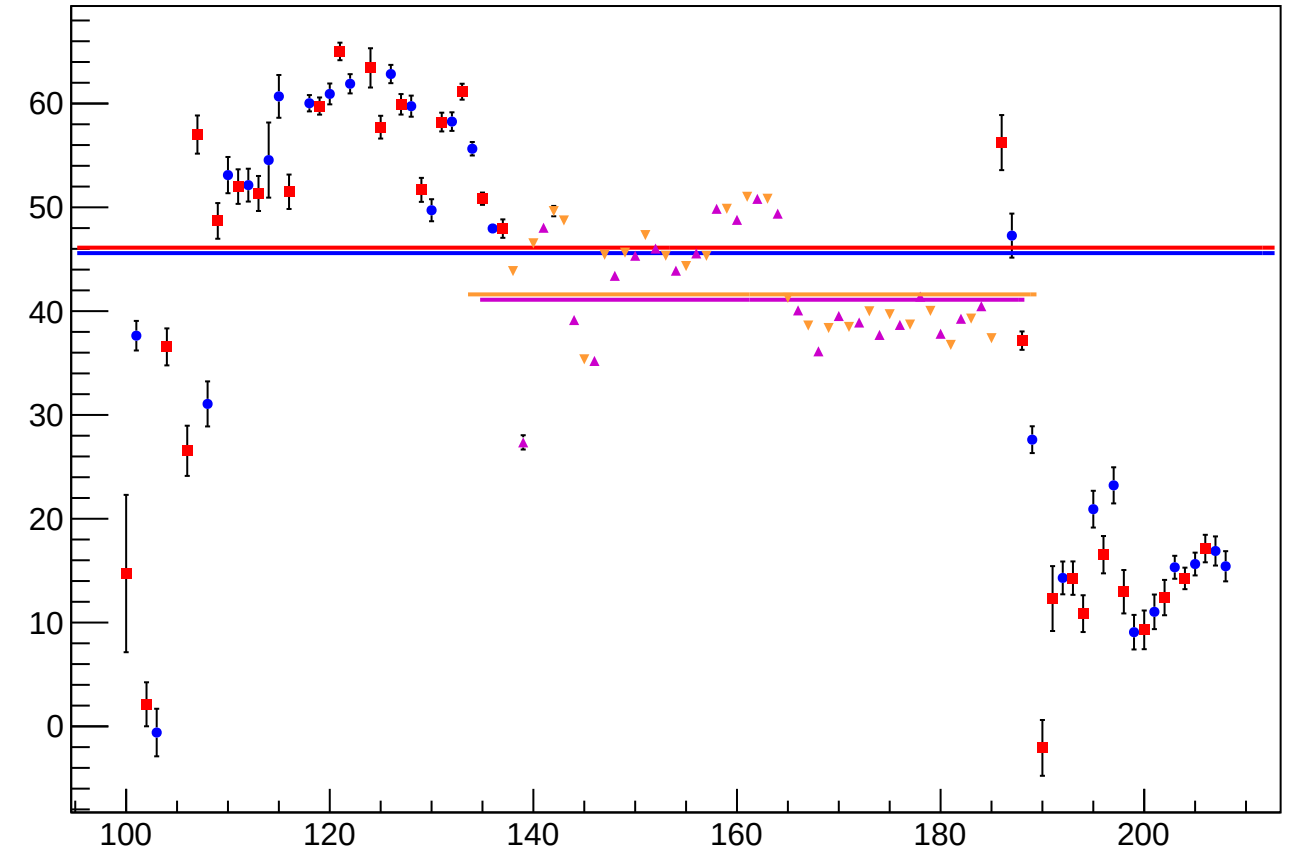
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 33.647+/-0.122 χ^2/NDF: 9675.5/57

In: 23.243+/-0.065 χ^2/NDF:14714.5/49

Out: 23.399+/-0.064 χ^2/NDF:15972.3/55

All: 23.323+/-0.046 χ^2/NDF: 30689.8/105



Right In: 45.590+/-0.210 χ^2/NDF: 6717.1/26

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.116+/-0.222 χ^2/NDF: 6501.9/30

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

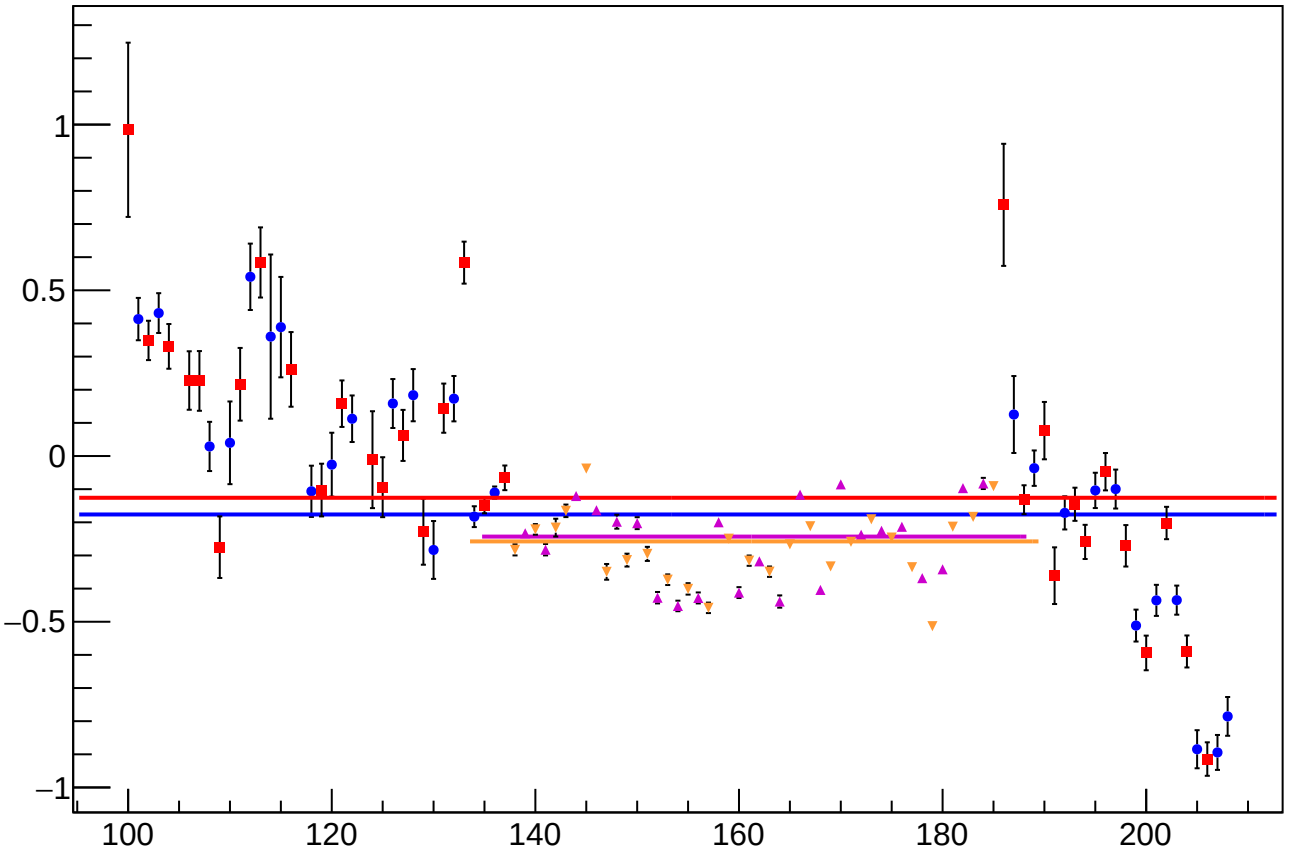
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 45.838+/-0.152 χ^2/NDF: 13222.0/57

In: 41.466+/-0.060 χ^2/NDF:12616.1/49

Out: 41.932+/-0.059 χ^2/NDF:12659.9/55

All: 41.703+/-0.042 χ^2/NDF: 25306.6/105



Right In: -0.176+/-0.010 χ^2/NDF: 947.2/26

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.126+/-0.011 χ^2/NDF: 863.6/30

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

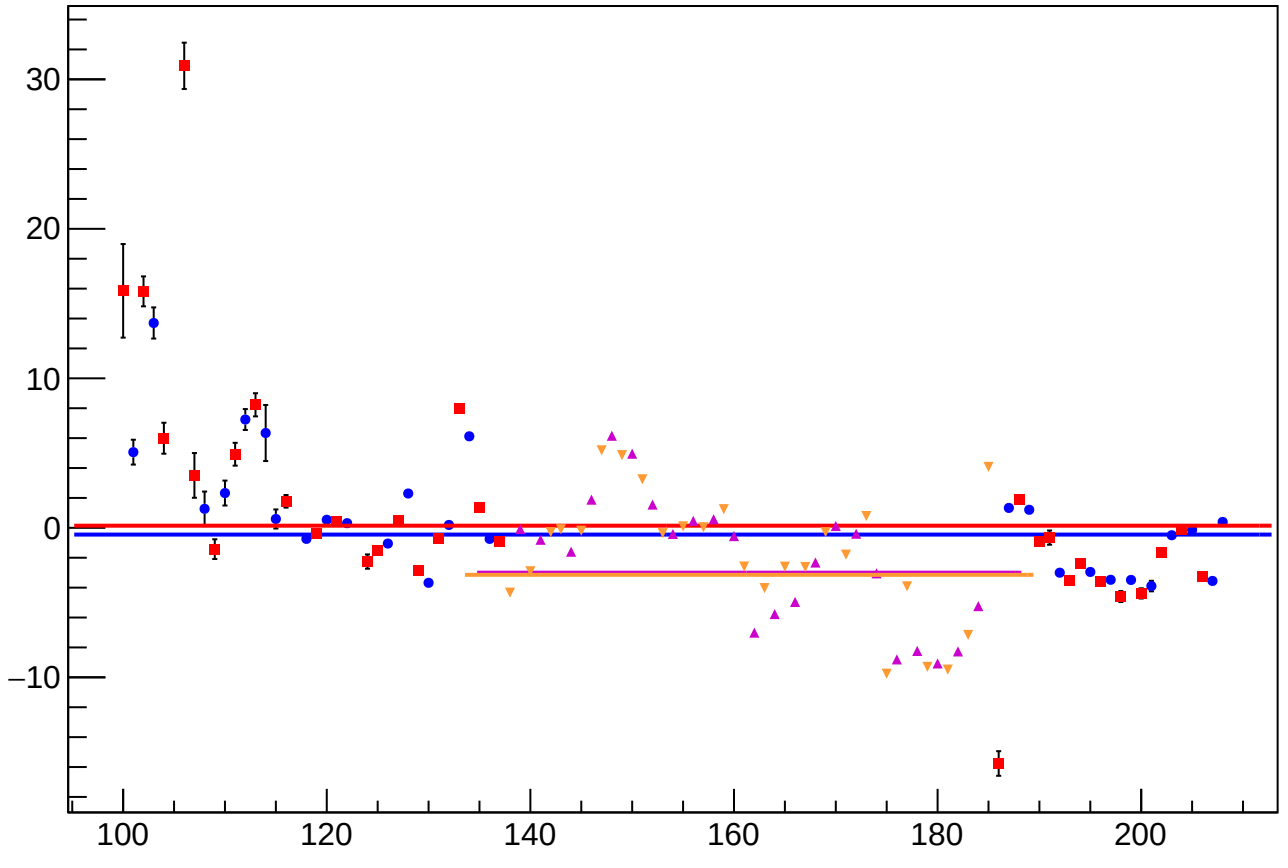
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.153+/-0.007 χ^2/NDF: 1822.5/57

In: -0.238+/-0.003 χ^2/NDF:2800.0/49

Out: -0.250+/-0.003 χ^2/NDF:2520.4/55

All: -0.244+/-0.002 χ^2/NDF: 5329.5/105



Right In: -0.451+/-0.052 χ^2/NDF: 1991.6/26

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.144+/-0.052 χ^2/NDF: 4411.0/30

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

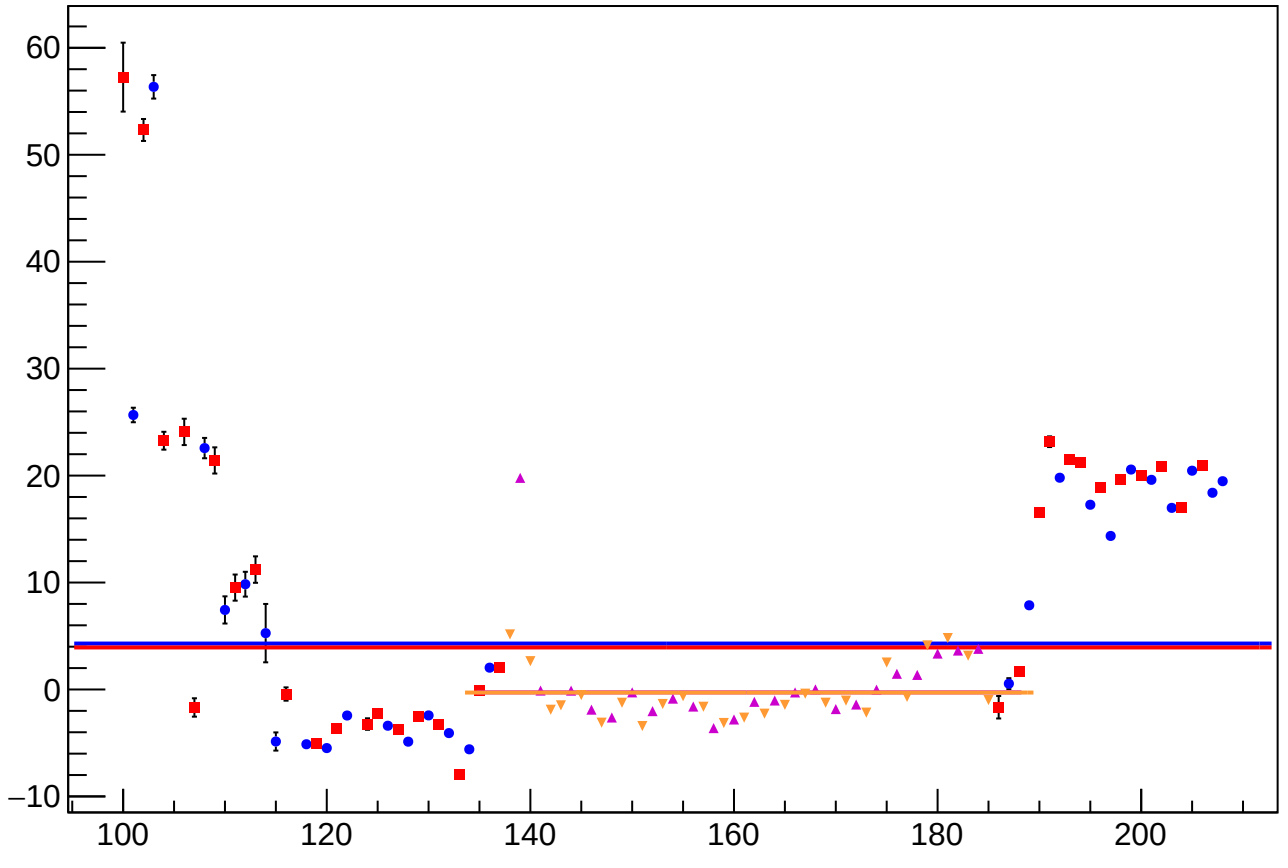
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.152+/-0.037 χ^2/NDF: 6468.9/57

In: -2.410+/-0.025 χ^2/NDF:26271.2/49

Out: -2.407+/-0.024 χ^2/NDF:32923.2/55

All: -2.408+/-0.017 χ^2/NDF: 59194.4/105



Right In: 4.294+/-0.056 χ^2/NDF: 36734.6/26

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.930+/-0.055 χ^2/NDF: 43333.4/30

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

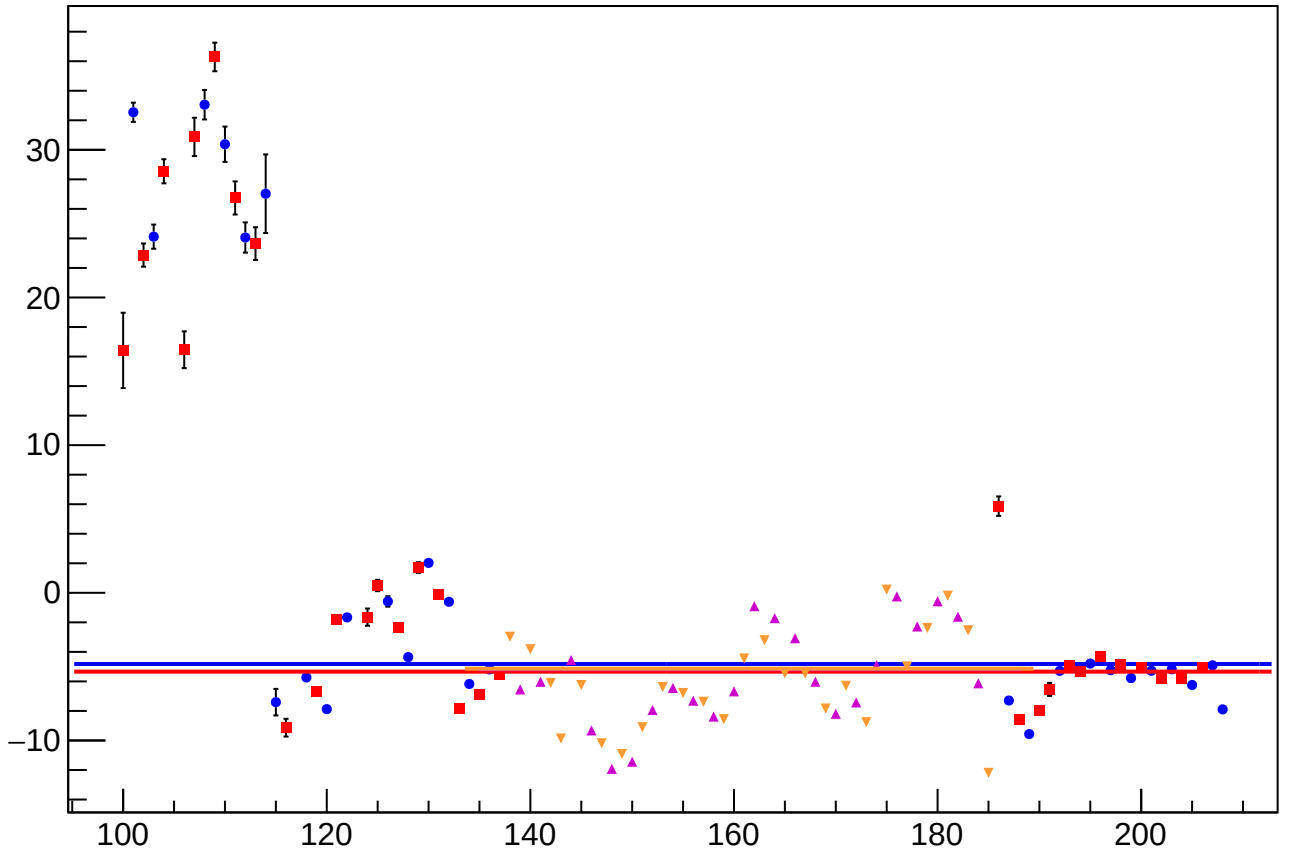
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 4.107+/-0.039 χ^2/NDF: 80089.4/57

In: 0.345+/-0.021 χ^2/NDF:55614.3/49

Out: 0.286+/-0.020 χ^2/NDF:60620.2/55

All: 0.315+/-0.014 χ^2/NDF: 116238.7/105



Right In: -4.822+/-0.052 χ^2/NDF: 9853.2/26

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.339+/-0.050 χ^2/NDF: 10493.7/30

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

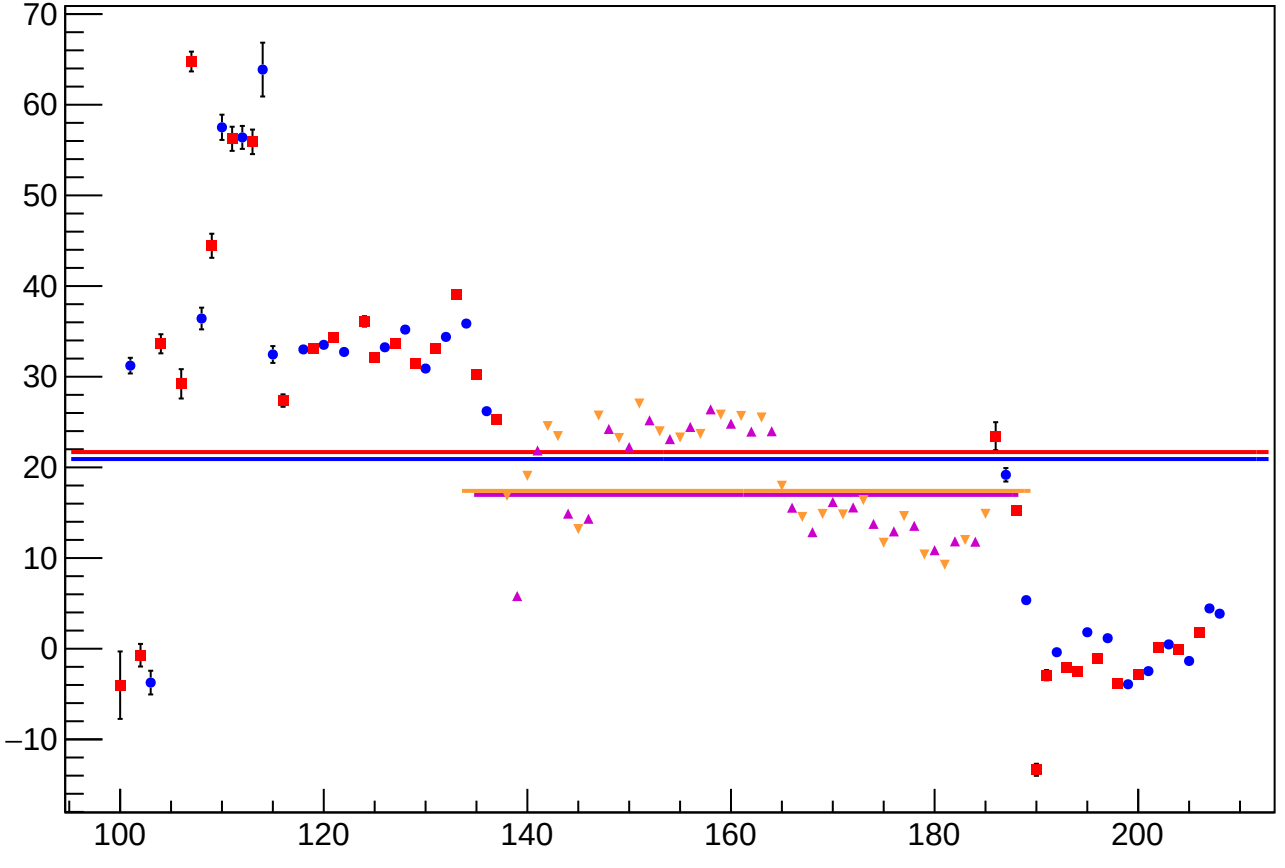
Right: -5.092+/-0.036 χ^2/NDF: 20398.9/57

In: -5.095+/-0.025 χ^2/NDF:23853.0/49

Out: -5.186+/-0.024 χ^2/NDF:25132.3/55

All: -5.142+/-0.017 χ^2/NDF: 48992.1/105

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.920+/-0.065 χ^2/NDF: 56152.3/26

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 21.690+/-0.064 χ^2/NDF: 67413.1/30

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

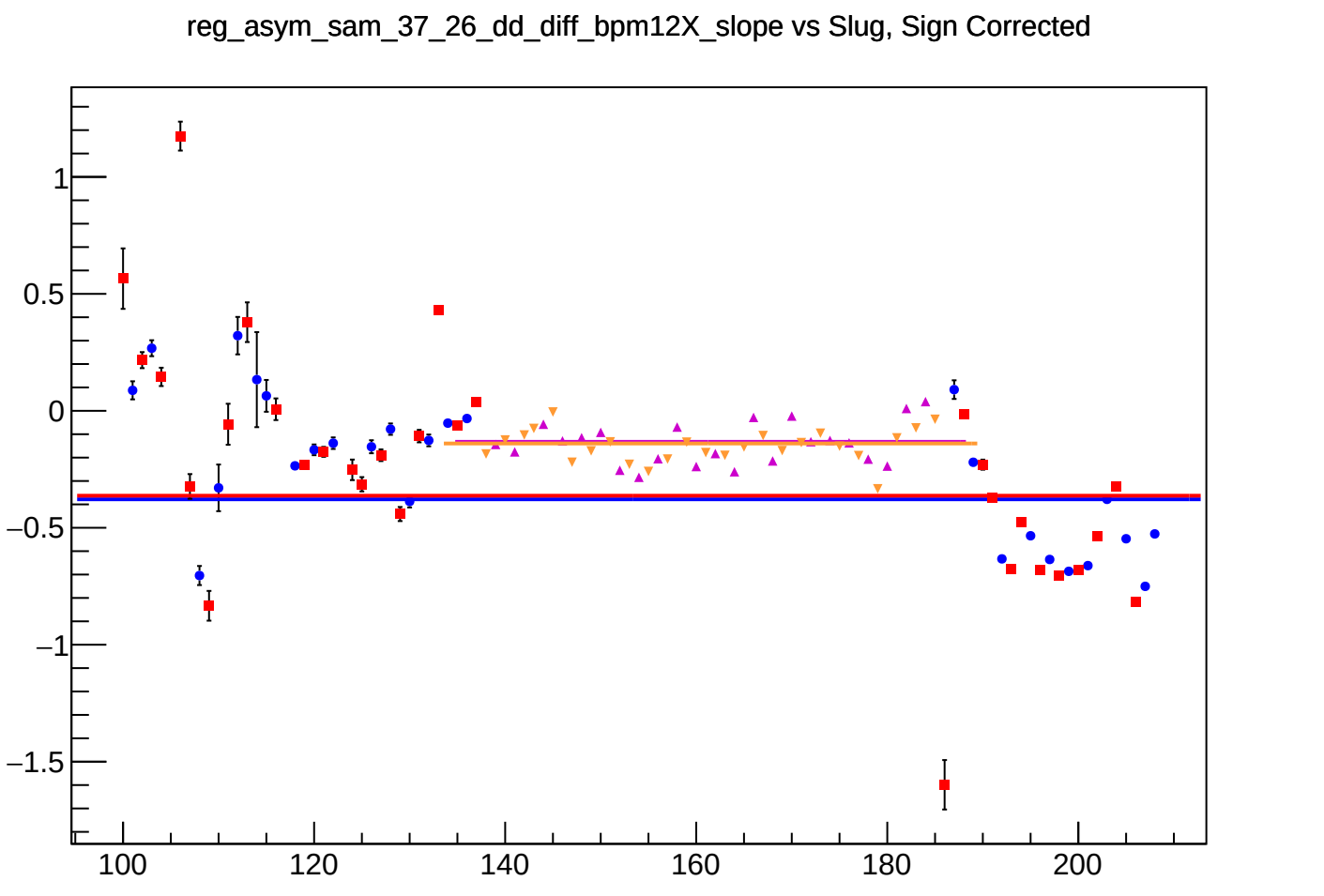
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 21.308+/-0.046 χ^2/NDF: 123636.2/57

In: 17.478+/-0.023 χ^2/NDF:99318.3/49

Out: 17.947+/-0.023 χ^2/NDF:121900.0/55

All: 17.717+/-0.016 χ^2/NDF: 221424.9/105



Right In: -0.378+/-0.003 χ^2/NDF: 8381.6/26

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.363+/-0.003 χ^2/NDF: 12738.9/30

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

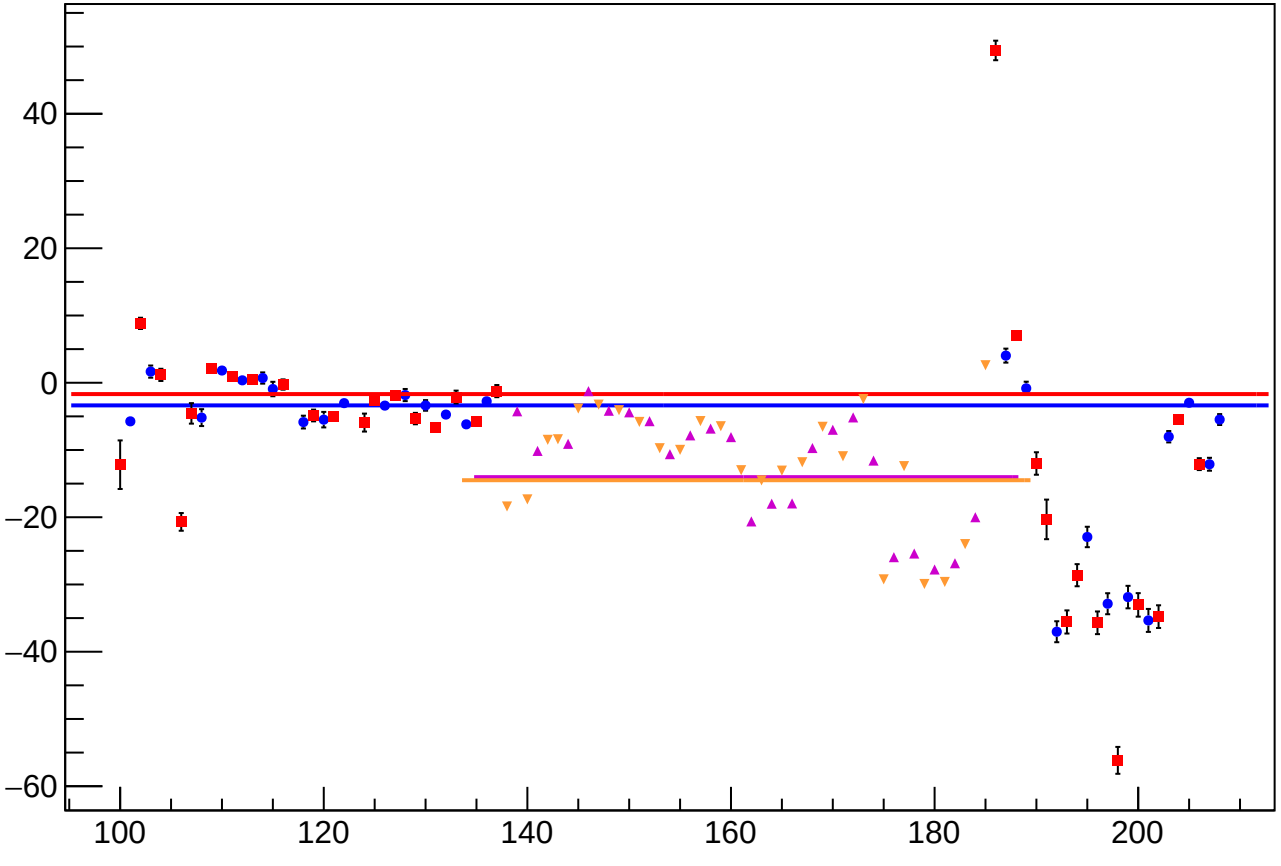
Right: -0.370+/-0.002 χ^2/NDF: 21133.8/57

In: -0.162+/-0.001 χ^2/NDF:19892.8/49

Out: -0.167+/-0.001 χ^2/NDF:21944.4/55

All: -0.165+/-0.001 χ^2/NDF: 41846.0/105

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.367+/-0.141 χ^2/NDF: 2206.5/26

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.685+/-0.135 χ^2/NDF: 5032.7/30

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

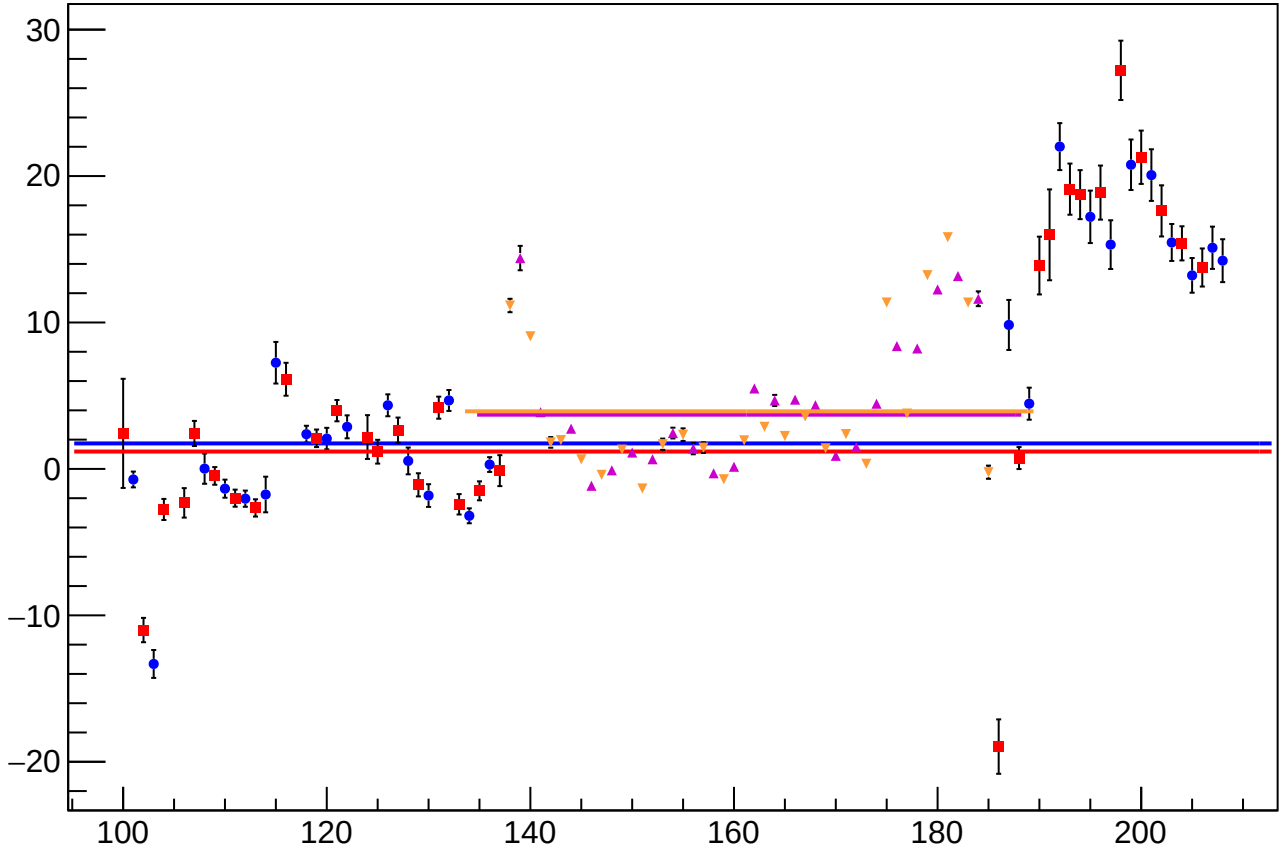
Right: -2.489+/-0.097 χ^2/NDF: 7313.8/57

In: -11.590+/-0.067 χ^2/NDF:20116.4/49

Out: -11.477+/-0.065 χ^2/NDF:29178.9/55

All: -11.532+/-0.047 χ^2/NDF: 49296.8/105

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.741+/-0.161 χ^2/NDF: 1455.5/26

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.186+/-0.163 χ^2/NDF: 1555.3/30

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

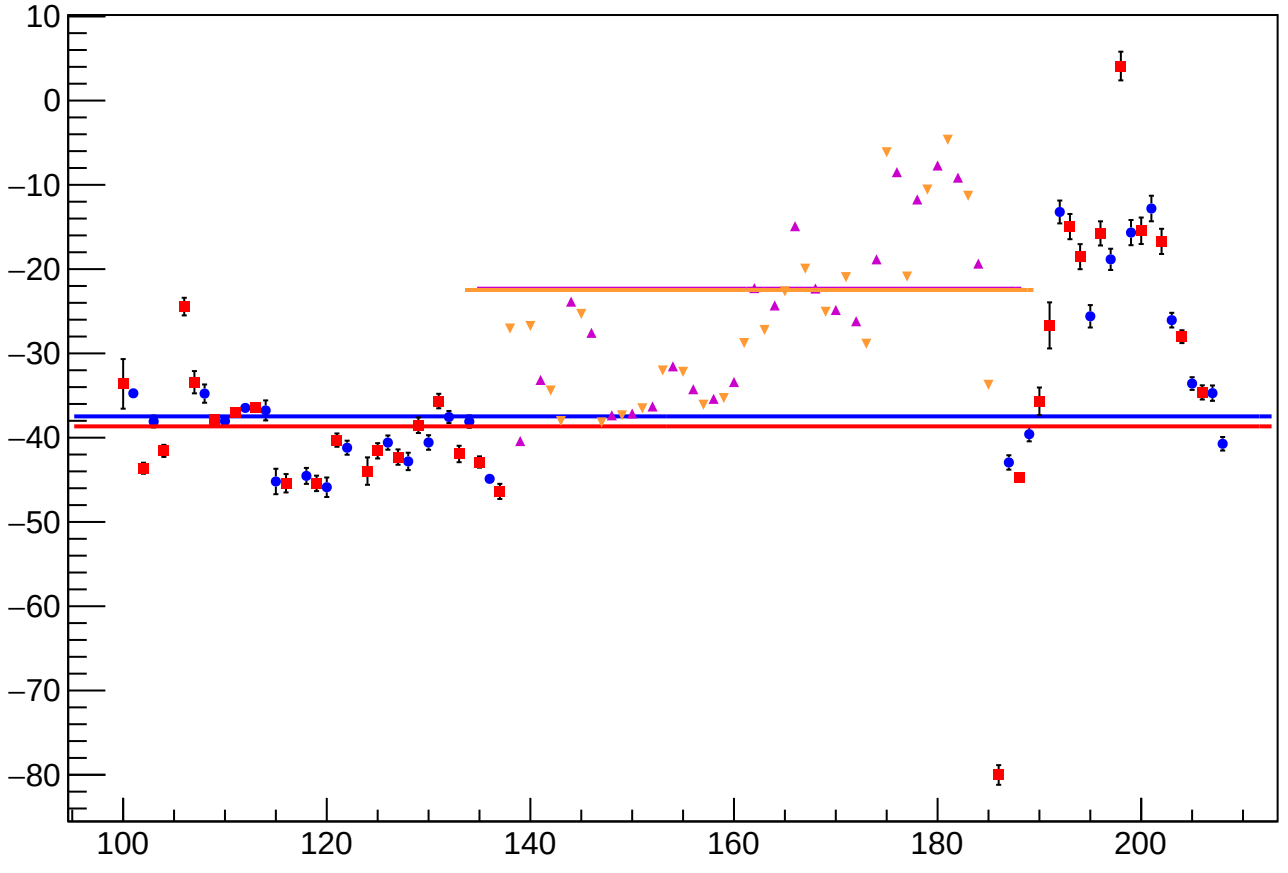
Right: 1.468+/-0.115 χ^2/NDF: 3016.6/57

In: 3.469+/-0.056 χ^2/NDF:6374.9/49

Out: 3.626+/-0.055 χ^2/NDF:8785.3/55

All: 3.549+/-0.039 χ^2/NDF: 15164.2/105

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.473+/-0.154 χ^2/NDF: 1899.5/26

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.659+/-0.153 χ^2/NDF: 4034.0/30

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

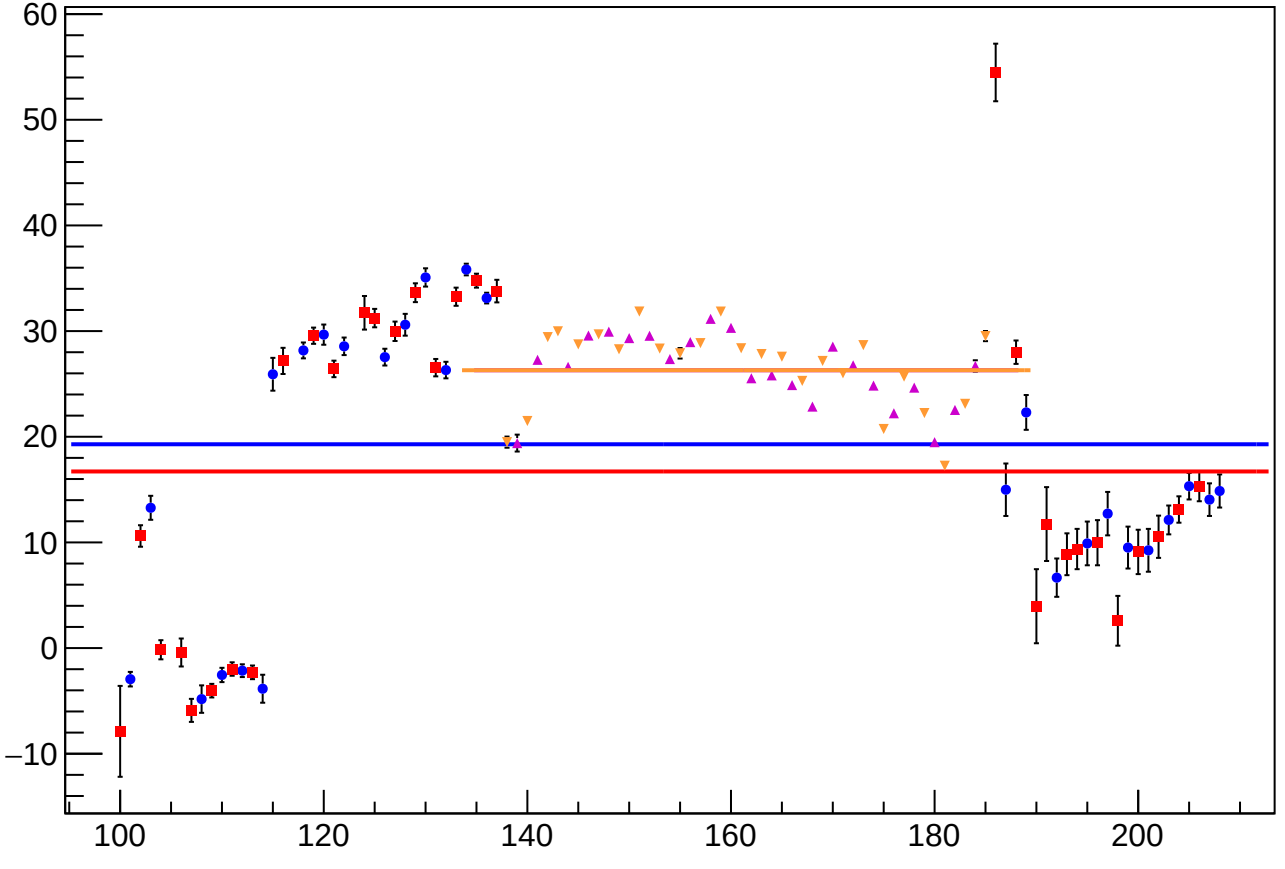
Right: -38.073+/-0.109 χ^2/NDF: 5963.4/57

In: -25.315+/-0.069 χ^2/NDF:26765.2/49

Out: -25.611+/-0.067 χ^2/NDF:33515.5/55

All: -25.466+/-0.048 χ^2/NDF: 60290.2/105

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.289+/-0.182 χ^2/NDF: 6895.0/26

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.715+/-0.186 χ^2/NDF: 7158.9/30

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

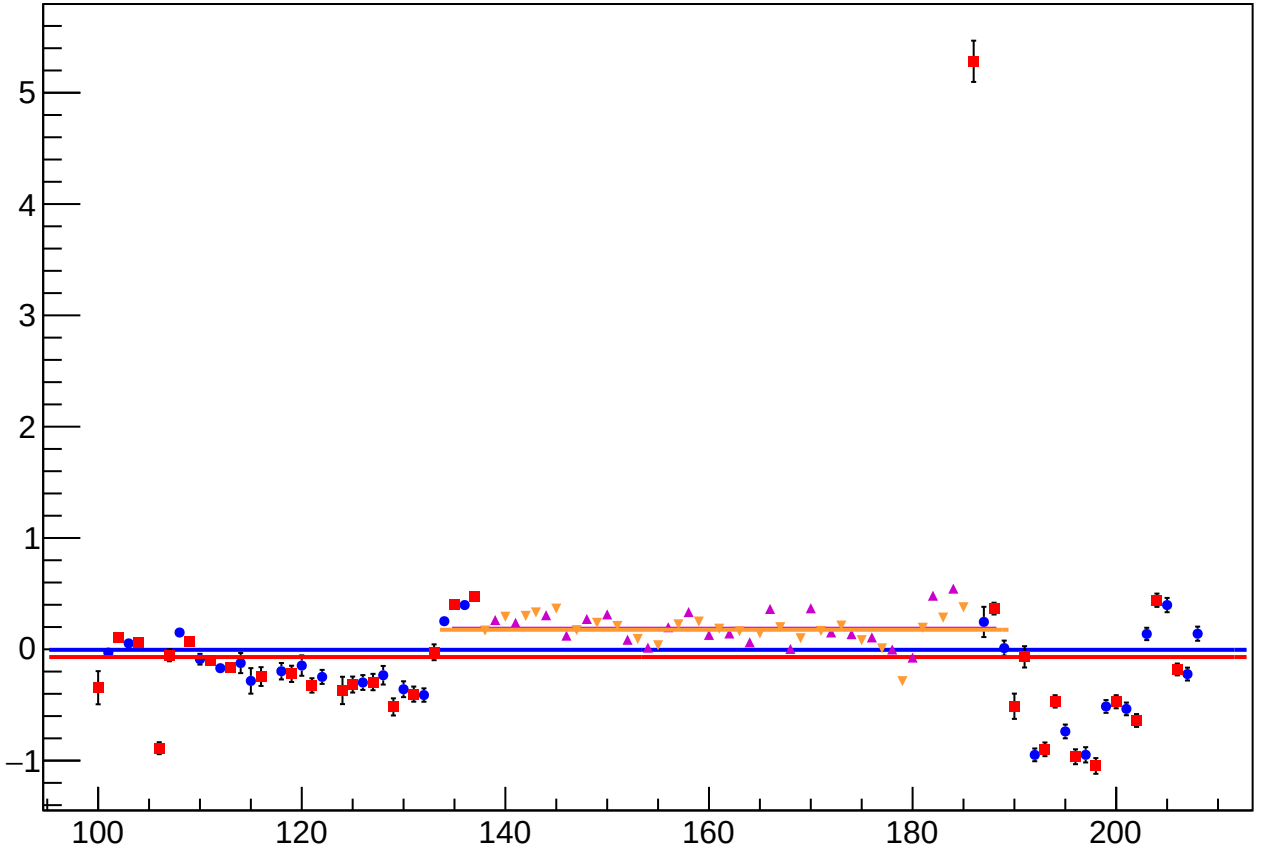
Right: 18.033+/-0.130 χ^2/NDF: 14151.5/57

In: 25.465+/-0.063 χ^2/NDF:10386.0/49

Out: 25.256+/-0.061 χ^2/NDF:12819.6/55

All: 25.358+/-0.044 χ^2/NDF: 23211.3/105

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005+/-0.009 χ^2/NDF: 1477.2/26

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.070+/-0.010 χ^2/NDF: 2629.2/30

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

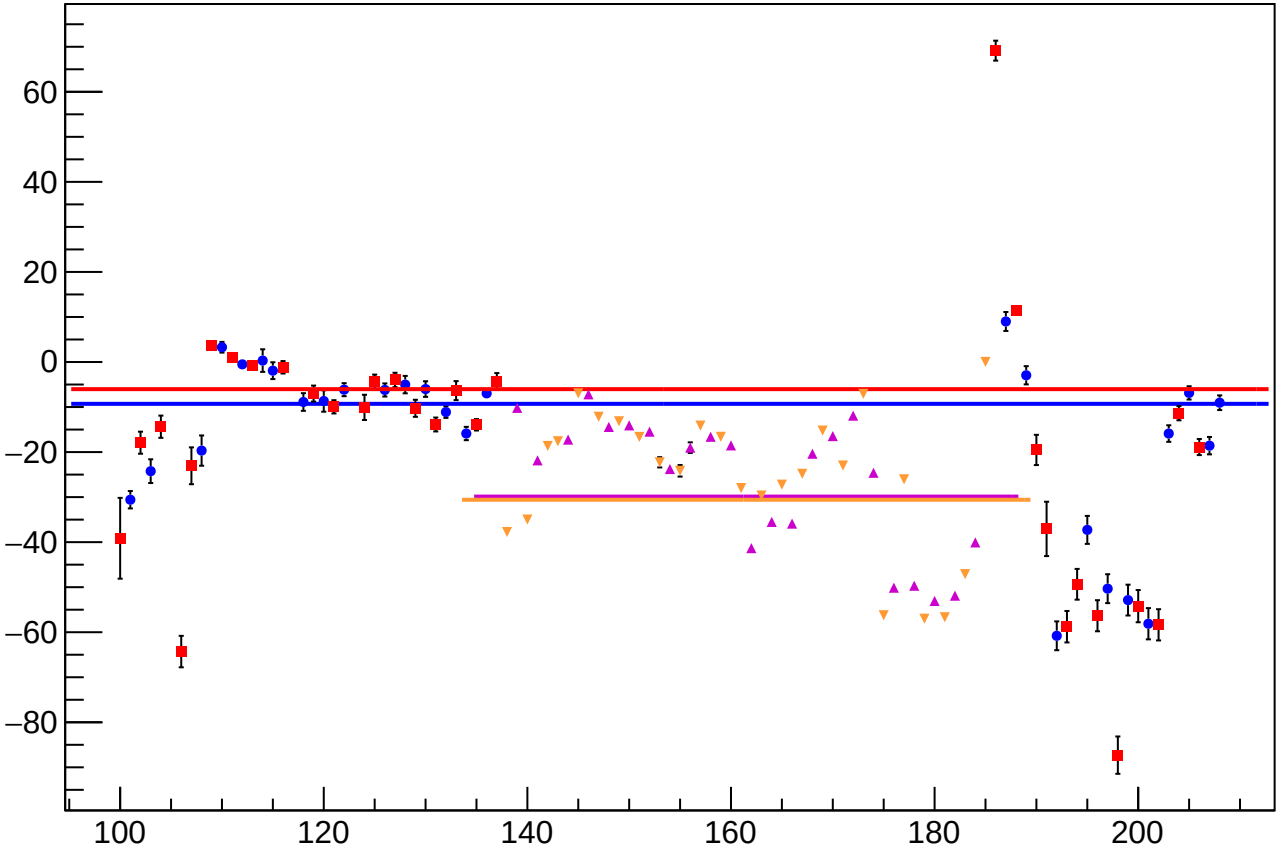
Right: -0.036+/-0.007 χ^2/NDF: 4130.7/57

In: 0.167+/-0.003 χ^2/NDF:4405.8/49

Out: 0.155+/-0.003 χ^2/NDF:5172.2/55

All: 0.161+/-0.002 χ^2/NDF: 9587.5/105

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.286+/-0.326 χ^2/NDF: 1420.6/26

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -6.025+/-0.322 χ^2/NDF: 3505.9/30

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

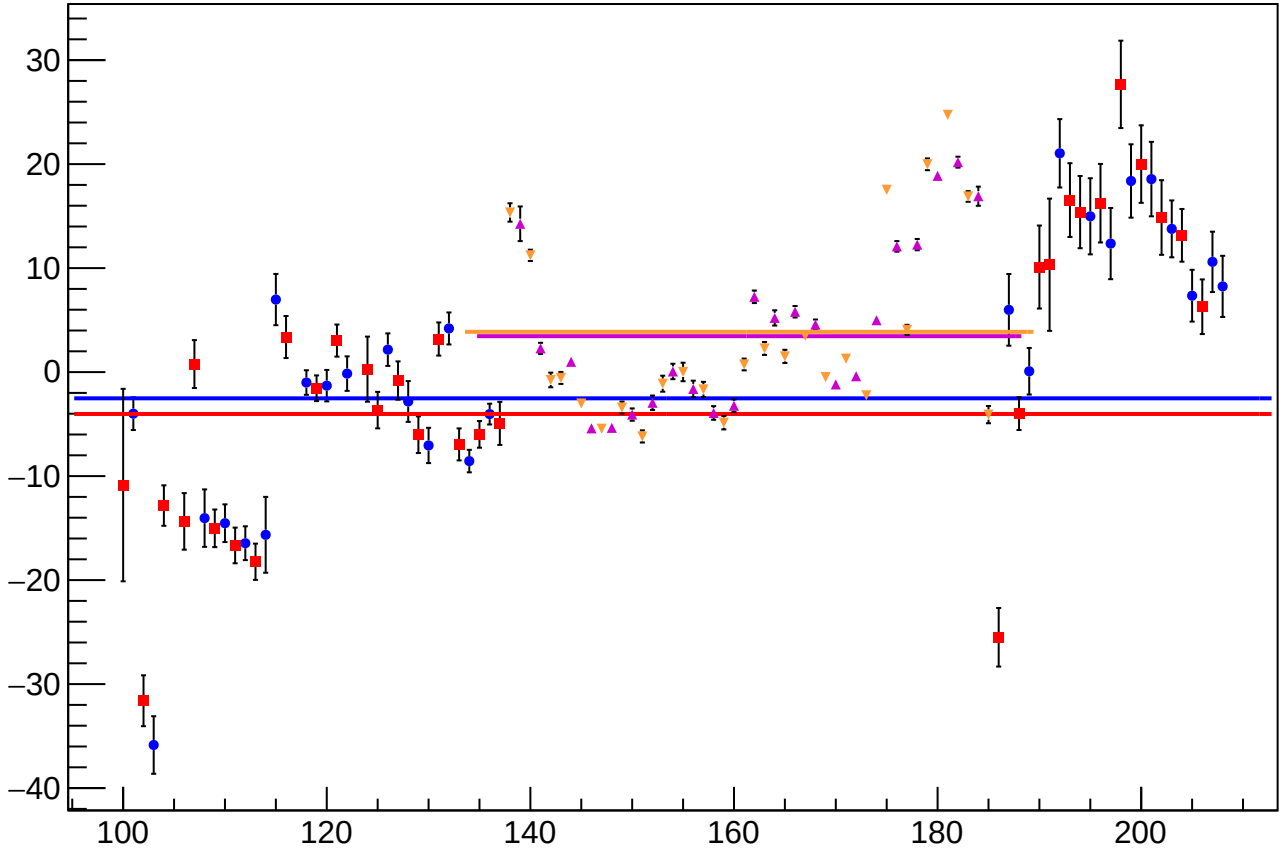
Right: -7.636+/-0.229 χ^2/NDF: 4977.3/57

In: -26.424+/-0.133 χ^2/NDF:16781.6/49

Out: -26.577+/-0.130 χ^2/NDF:24427.6/55

All: -26.503+/-0.093 χ^2/NDF: 41209.9/105

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.522+/-0.362 χ^2/NDF: 636.6/26

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.026+/-0.375 χ^2/NDF: 752.7/30

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

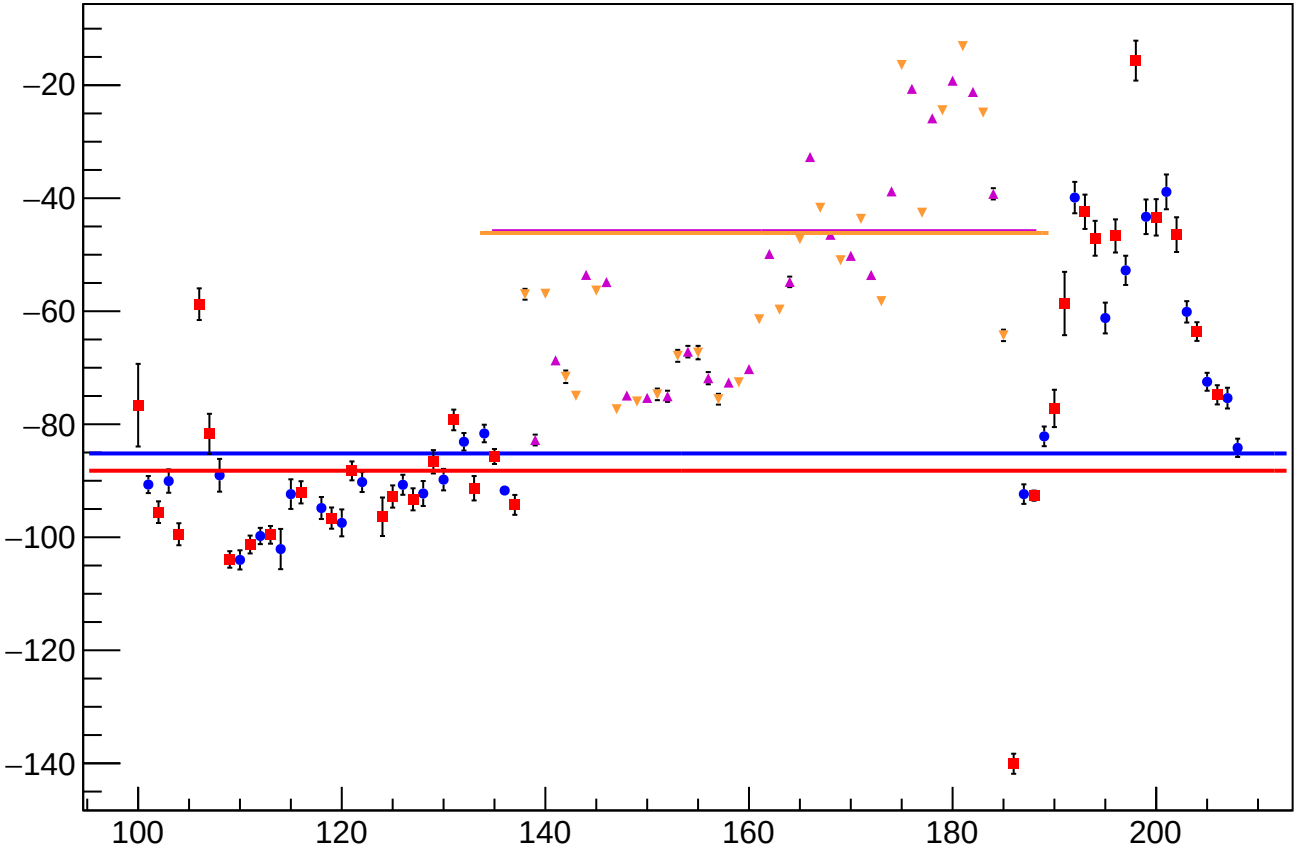
Right: -3.248+/-0.260 χ^2/NDF: 1397.6/57

In: 2.917+/-0.108 χ^2/NDF:5578.0/49

Out: 3.234+/-0.107 χ^2/NDF:7703.0/55

All: 3.078+/-0.076 χ^2/NDF: 13285.3/105

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.168+/-0.349 χ^2/NDF: 1627.2/26

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.224+/-0.350 χ^2/NDF: 3089.5/30

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

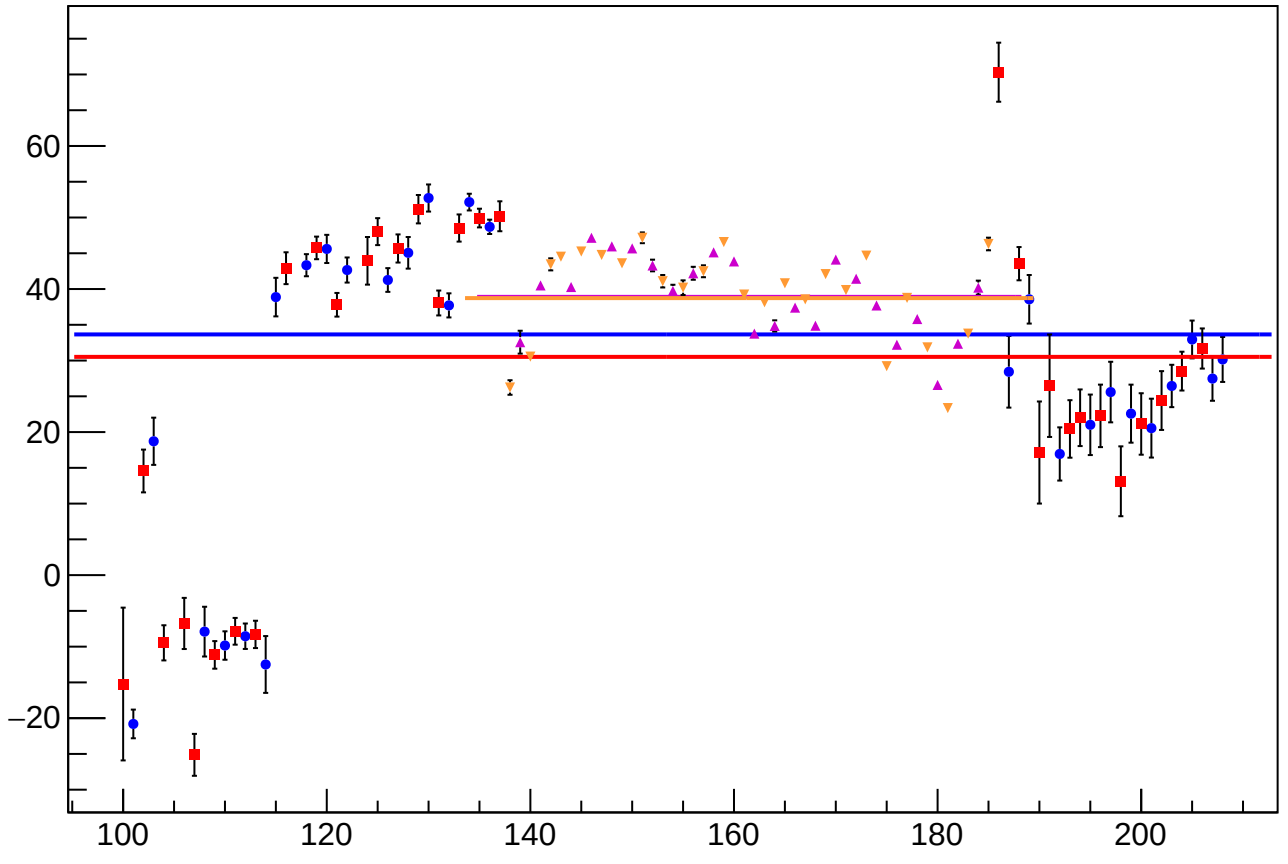
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -86.694+/-0.247 χ^2/NDF: 4755.0/57

In: -51.690+/-0.135 χ^2/NDF:30357.3/49

Out: -52.143+/-0.132 χ^2/NDF:36972.2/55

All: -51.921+/-0.094 χ^2/NDF: 67335.3/105



Right In: 33.653+/-0.408 χ^2/NDF: 2879.7/26

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.515+/-0.428 χ^2/NDF: 3074.5/30

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

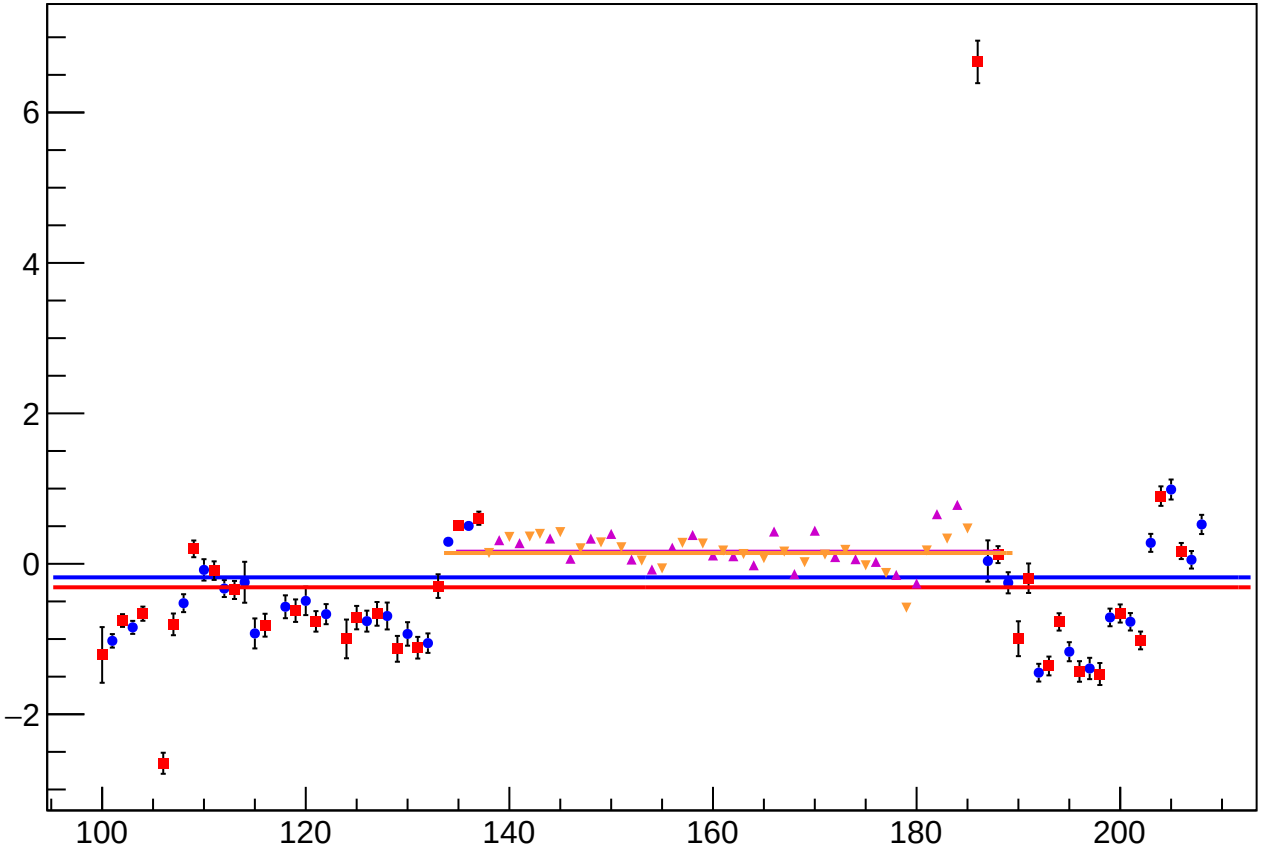
Right: 32.160+/-0.295 χ^2/NDF: 5982.4/57

In: 38.438+/-0.122 χ^2/NDF:5002.5/49

Out: 38.089+/-0.120 χ^2/NDF:6196.0/55

All: 38.260+/-0.085 χ^2/NDF: 11202.6/105

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180+/-0.020 χ^2/NDF: 1065.9/26

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.312+/-0.022 χ^2/NDF: 1827.2/30

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

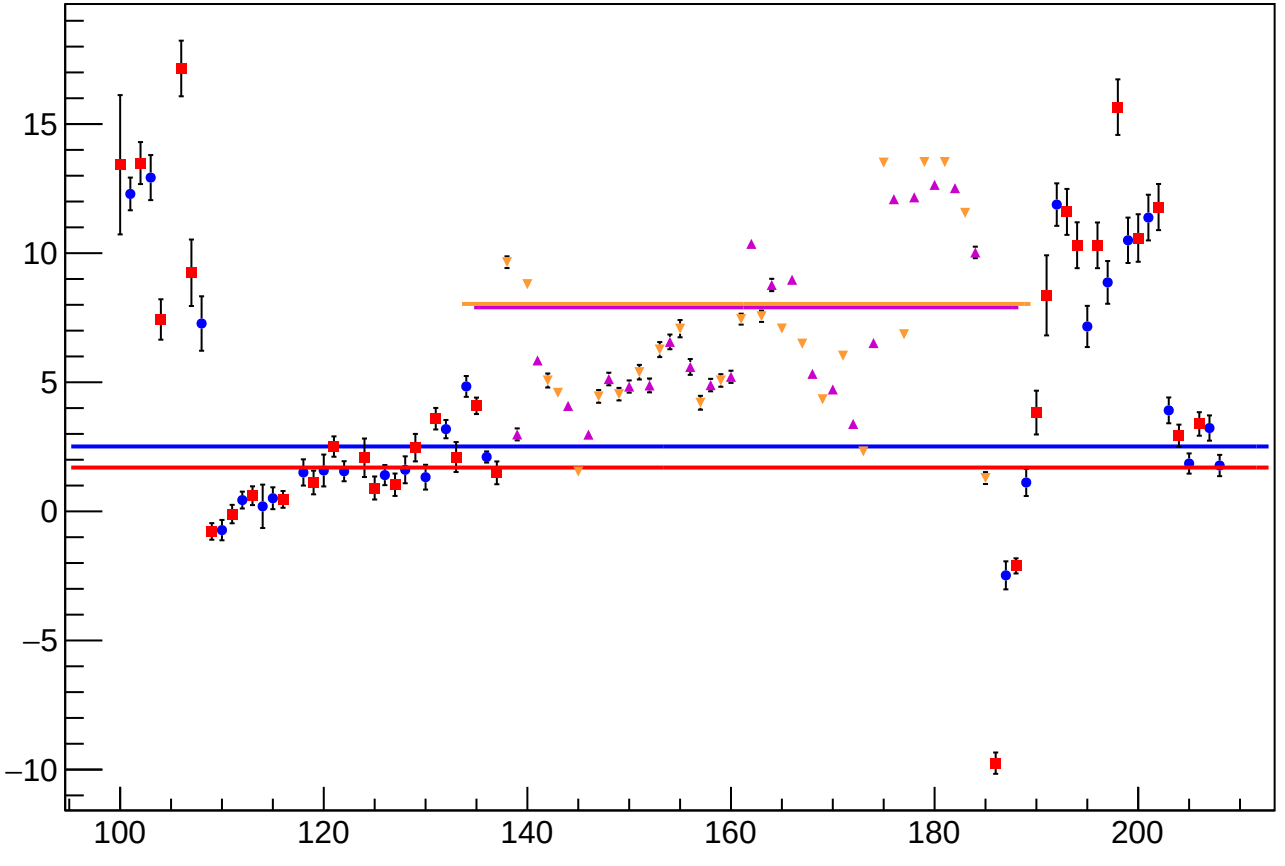
Right: -0.242+/-0.015 χ^2/NDF: 2912.7/57

In: 0.137+/-0.005 χ^2/NDF:3243.0/49

Out: 0.116+/-0.005 χ^2/NDF:3680.5/55

All: 0.126+/-0.004 χ^2/NDF: 6931.1/105

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.514+/-0.089 χ^2/NDF: 1122.1/26

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.698+/-0.089 χ^2/NDF: 2409.0/30

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

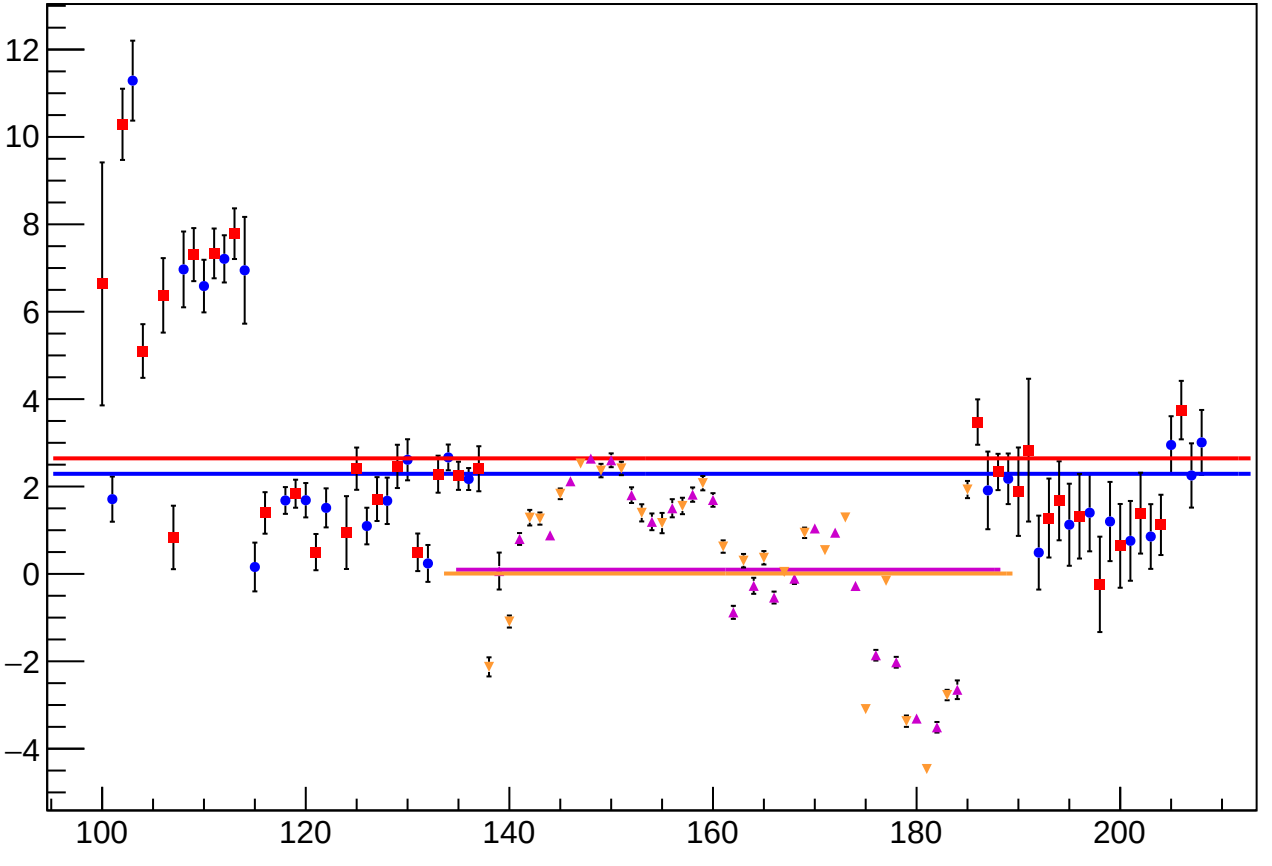
Right: 2.104+/-0.063 χ^2/NDF: 3573.1/57

In: 7.157+/-0.033 χ^2/NDF:14278.0/49

Out: 7.195+/-0.032 χ^2/NDF:20741.1/55

All: 7.176+/-0.023 χ^2/NDF: 35019.8/105

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.291+/-0.098 χ^2/NDF: 352.1/26

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.644+/-0.102 χ^2/NDF: 442.2/30

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

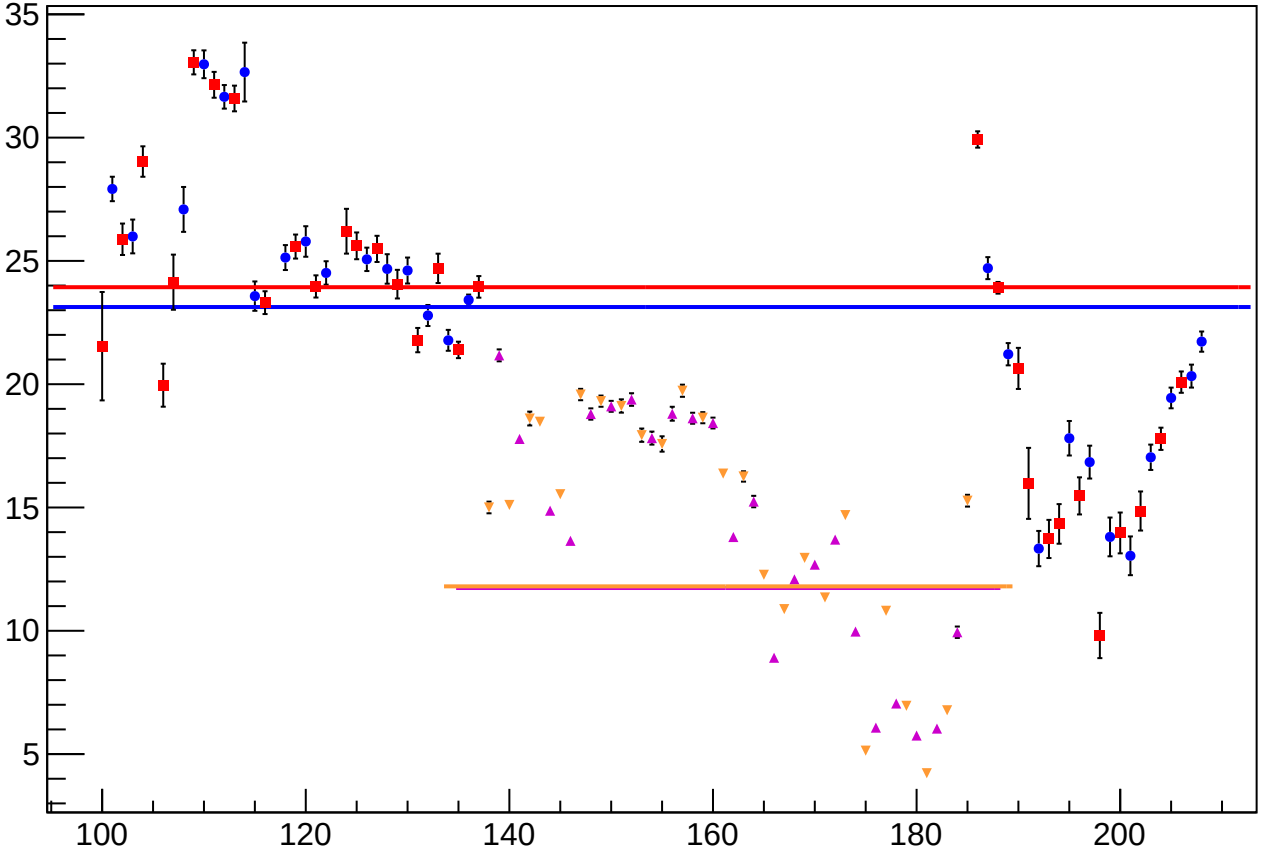
Right: 2.461+/-0.071 χ^2/NDF: 800.5/57

In: 0.262+/-0.027 χ^2/NDF:5246.0/49

Out: 0.187+/-0.027 χ^2/NDF:6826.8/55

All: 0.224+/-0.019 χ^2/NDF: 12076.7/105

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.129+/-0.095 χ^2/NDF: 1839.1/26

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.934+/-0.094 χ^2/NDF: 2619.5/30

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

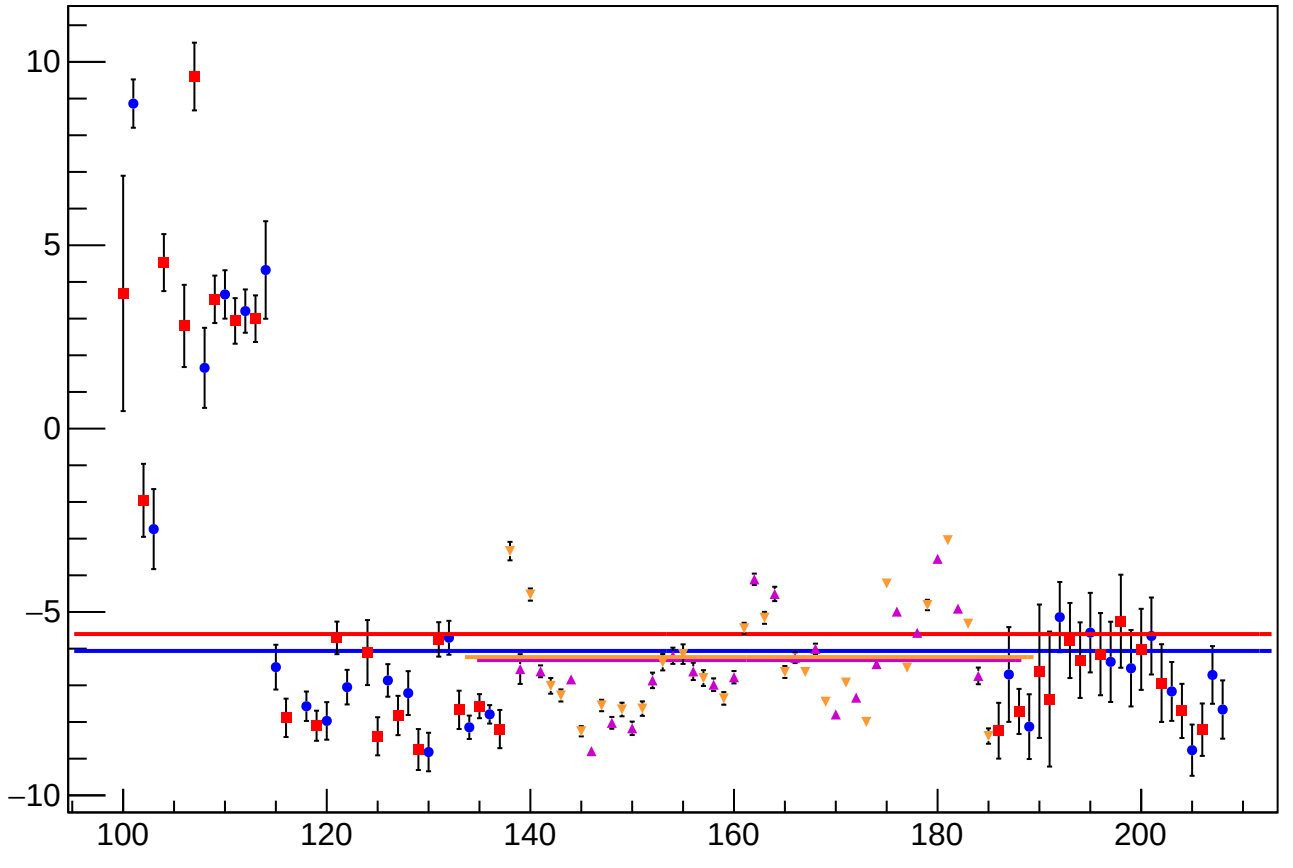
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.534+/-0.067 χ^2/NDF: 4495.1/57

In: 13.164+/-0.033 χ^2/NDF:32538.4/49

Out: 13.270+/-0.033 χ^2/NDF:38769.4/55

All: 13.218+/-0.023 χ^2/NDF: 71312.9/105



Right In: -6.062+/-0.110 χ^2/NDF: 1282.7/26

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.602+/-0.117 χ^2/NDF: 1349.4/30

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

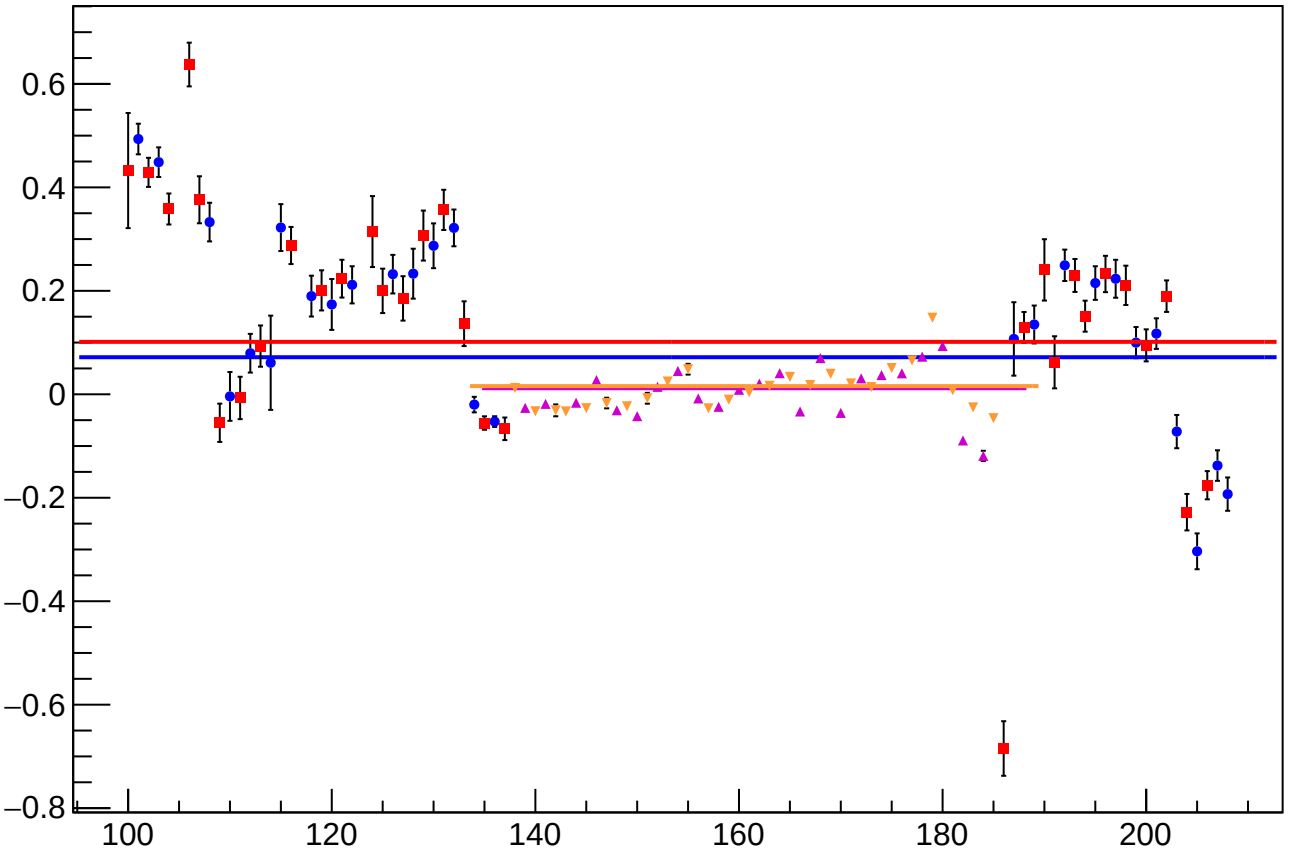
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.845+/-0.080 χ^2/NDF: 2640.4/57

In: -6.293+/-0.030 χ^2/NDF:3317.6/49

Out: -6.190+/-0.030 χ^2/NDF:3826.6/55

All: -6.240+/-0.021 χ^2/NDF: 7150.1/105



Right In: 0.072+/-0.006 χ^2/NDF: 1106.4/26

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.101+/-0.006 χ^2/NDF: 1240.7/30

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

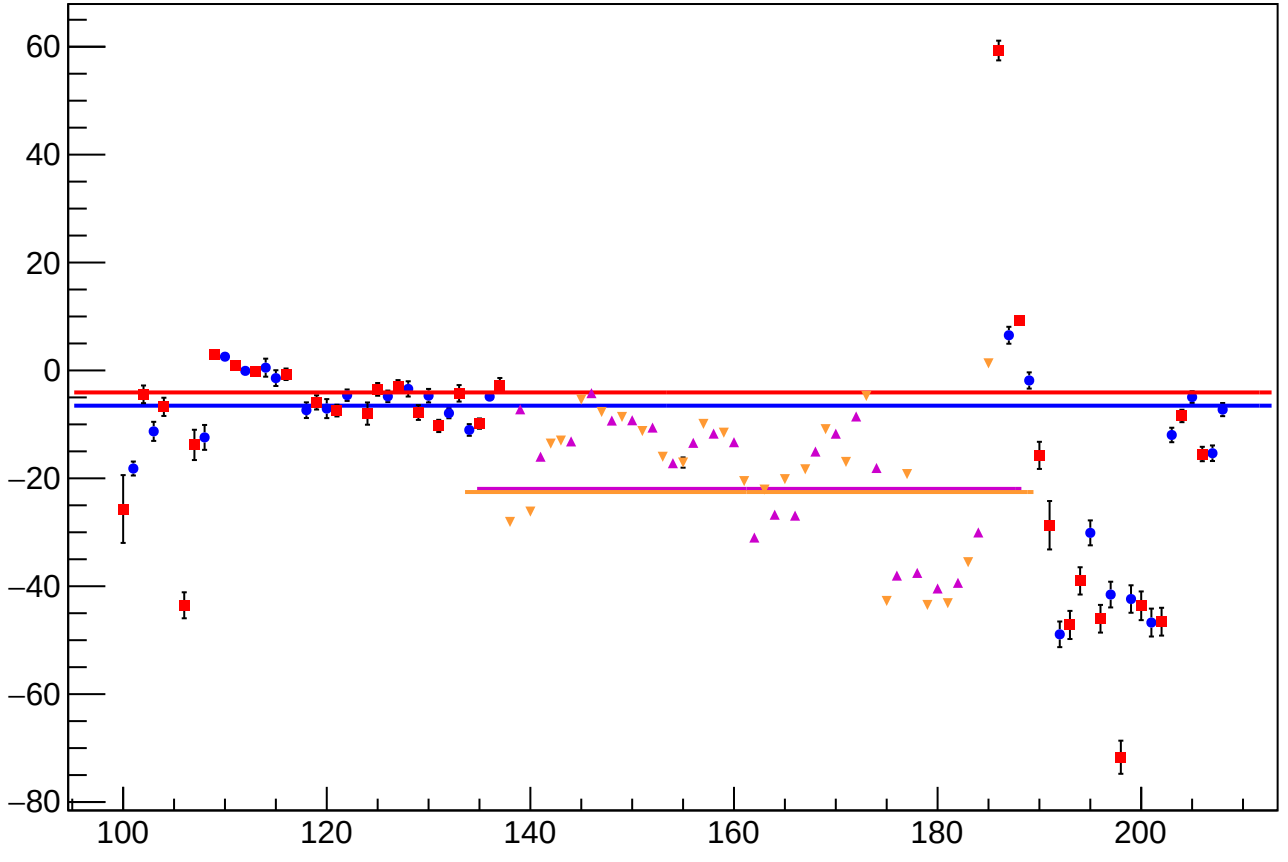
Right: 0.086+/-0.004 χ^2/NDF: 2360.6/57

In: 0.015+/-0.001 χ^2/NDF:2515.0/49

Out: 0.020+/-0.001 χ^2/NDF:2373.2/55

All: 0.018+/-0.001 χ^2/NDF: 4894.6/105

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.532+/-0.235 χ^2/NDF: 1602.6/26

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.078+/-0.230 χ^2/NDF: 3907.3/30

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

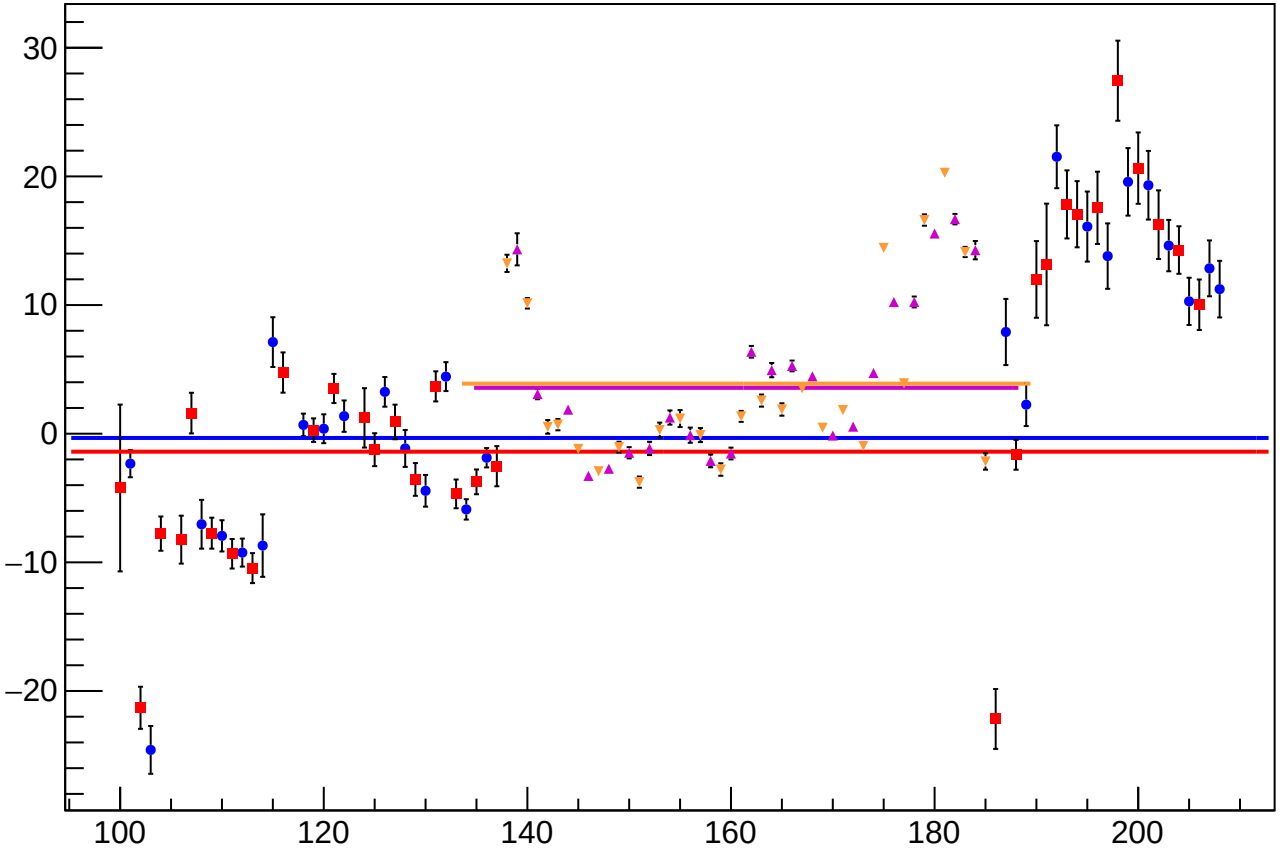
Right: -5.281+/-0.164 χ^2/NDF: 5565.7/57

In: -19.134+/-0.100 χ^2/NDF:17711.6/49

Out: -19.204+/-0.098 χ^2/NDF:25714.4/55

All: -19.170+/-0.070 χ^2/NDF: 43426.3/105

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.331+/-0.263 χ^2/NDF: 841.5/26

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.398+/-0.271 χ^2/NDF: 960.6/30

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

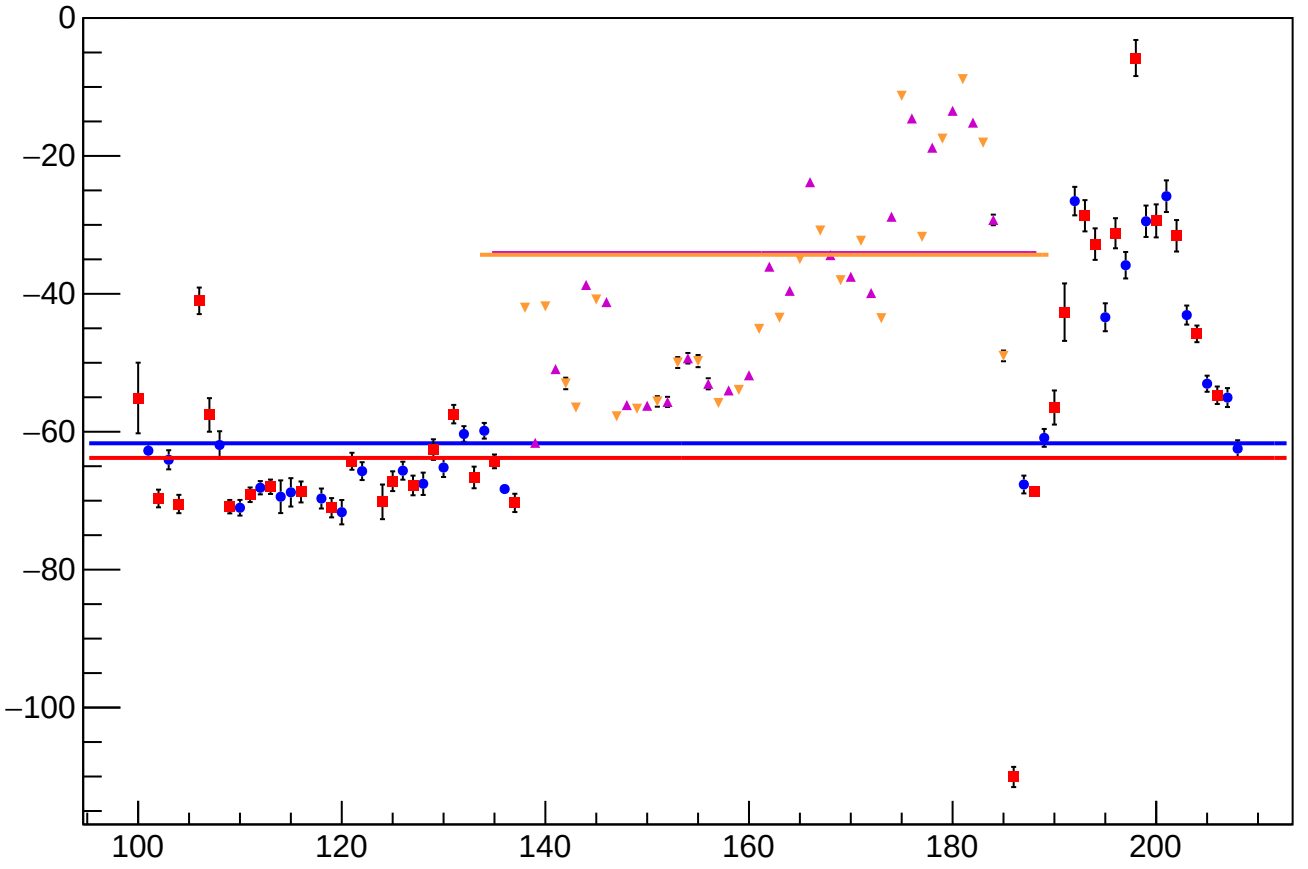
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.849+/-0.189 χ^2/NDF: 1810.0/57

In: 3.187+/-0.082 χ^2/NDF:5779.2/49

Out: 3.424+/-0.080 χ^2/NDF:8032.5/55

All: 3.308+/-0.057 χ^2/NDF: 13816.0/105



Right In: -61.675+/-0.253 χ^2/NDF: 1623.5/26

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.797+/-0.253 χ^2/NDF: 3300.6/30

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

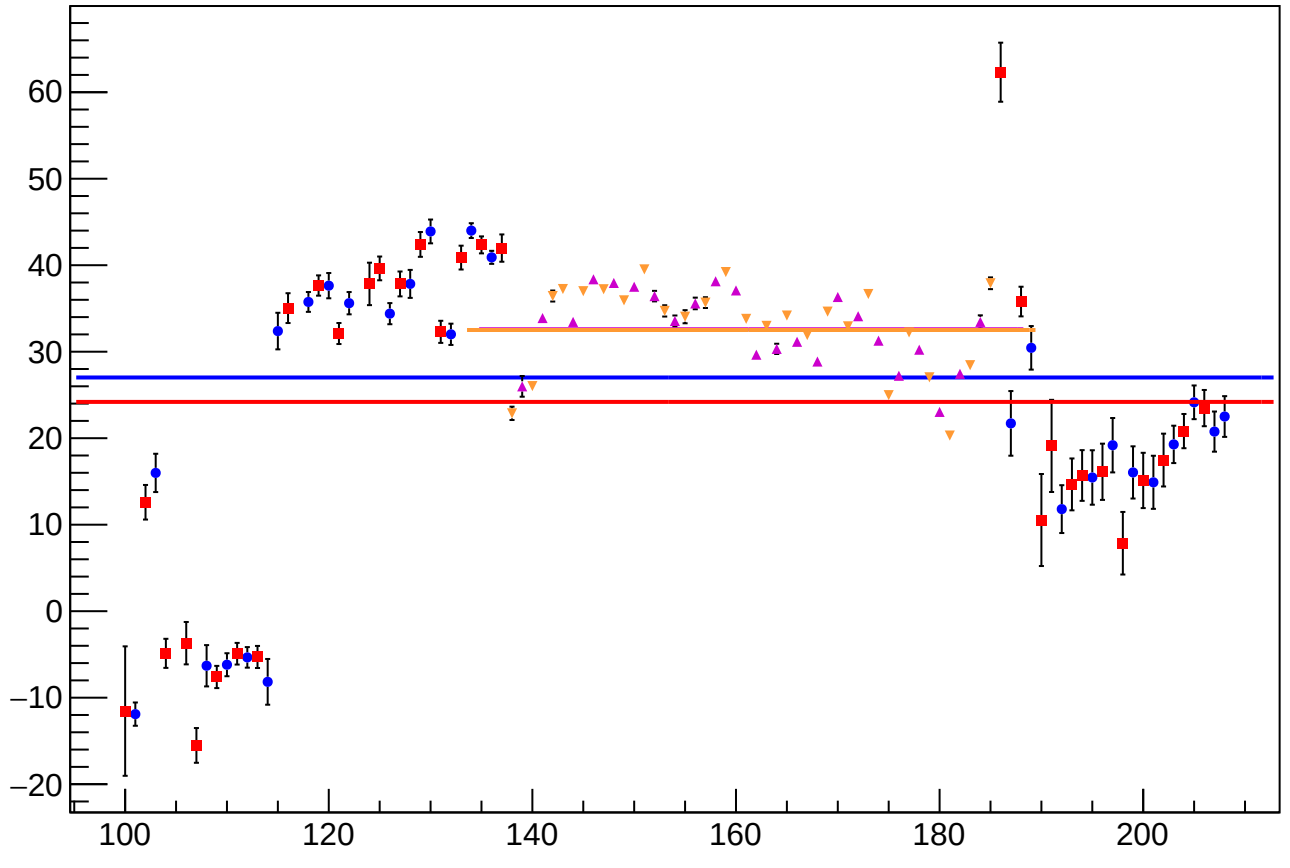
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -62.737+/-0.179 χ^2/NDF: 4959.3/57

In: -38.534+/-0.102 χ^2/NDF:29304.5/49

Out: -38.894+/-0.100 χ^2/NDF:35962.6/55

All: -38.718+/-0.071 χ^2/NDF: 65273.5/105



Right In: 27.020+/-0.296 χ^2/NDF: 3847.9/26

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.196+/-0.309 χ^2/NDF: 4080.7/30

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

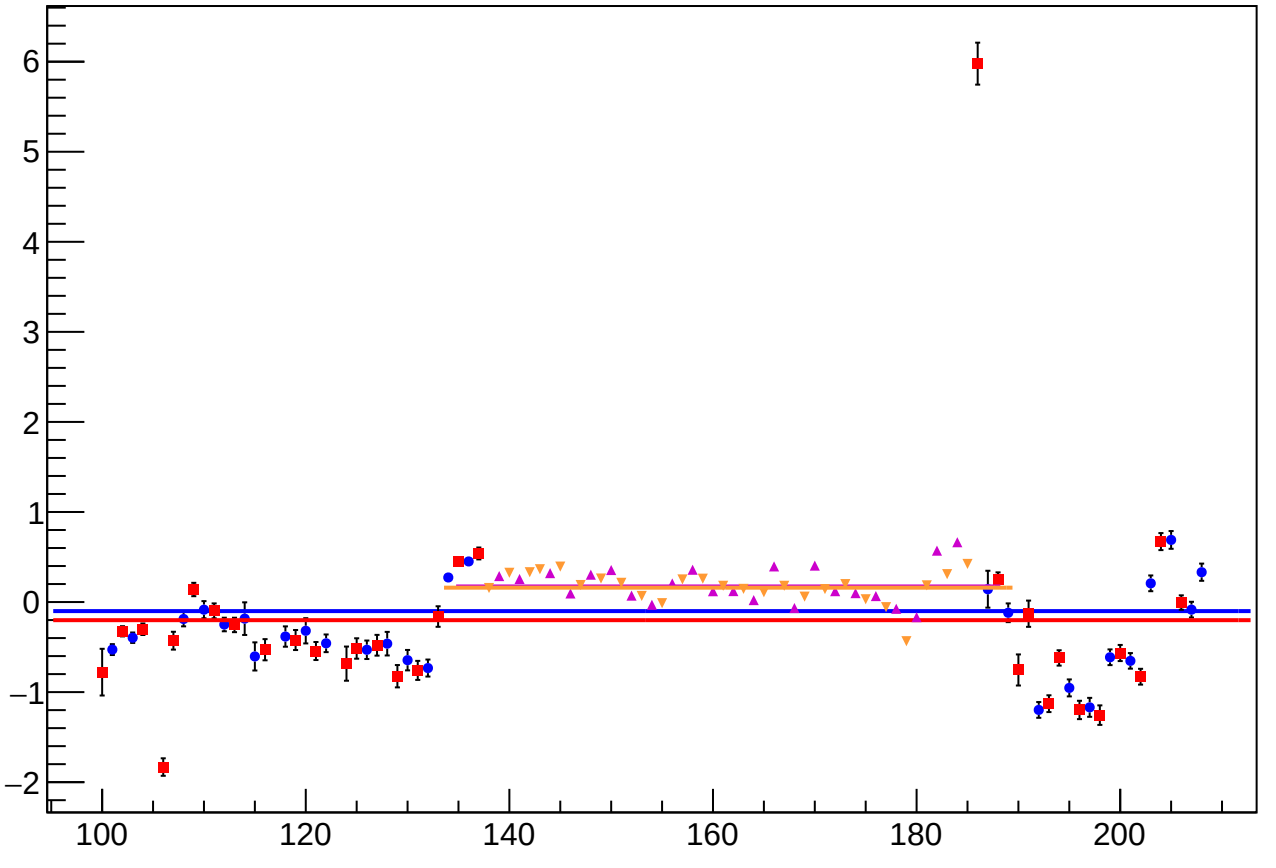
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 25.668+/-0.214 χ^2/NDF: 7972.1/57

In: 32.061+/-0.092 χ^2/NDF:6181.1/49

Out: 31.800+/-0.090 χ^2/NDF:7680.1/55

All: 31.928+/-0.064 χ^2/NDF: 13865.3/105



Right In: -0.101+/-0.015 χ^2/NDF: 1130.9/26

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.201+/-0.016 χ^2/NDF: 2046.3/30

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

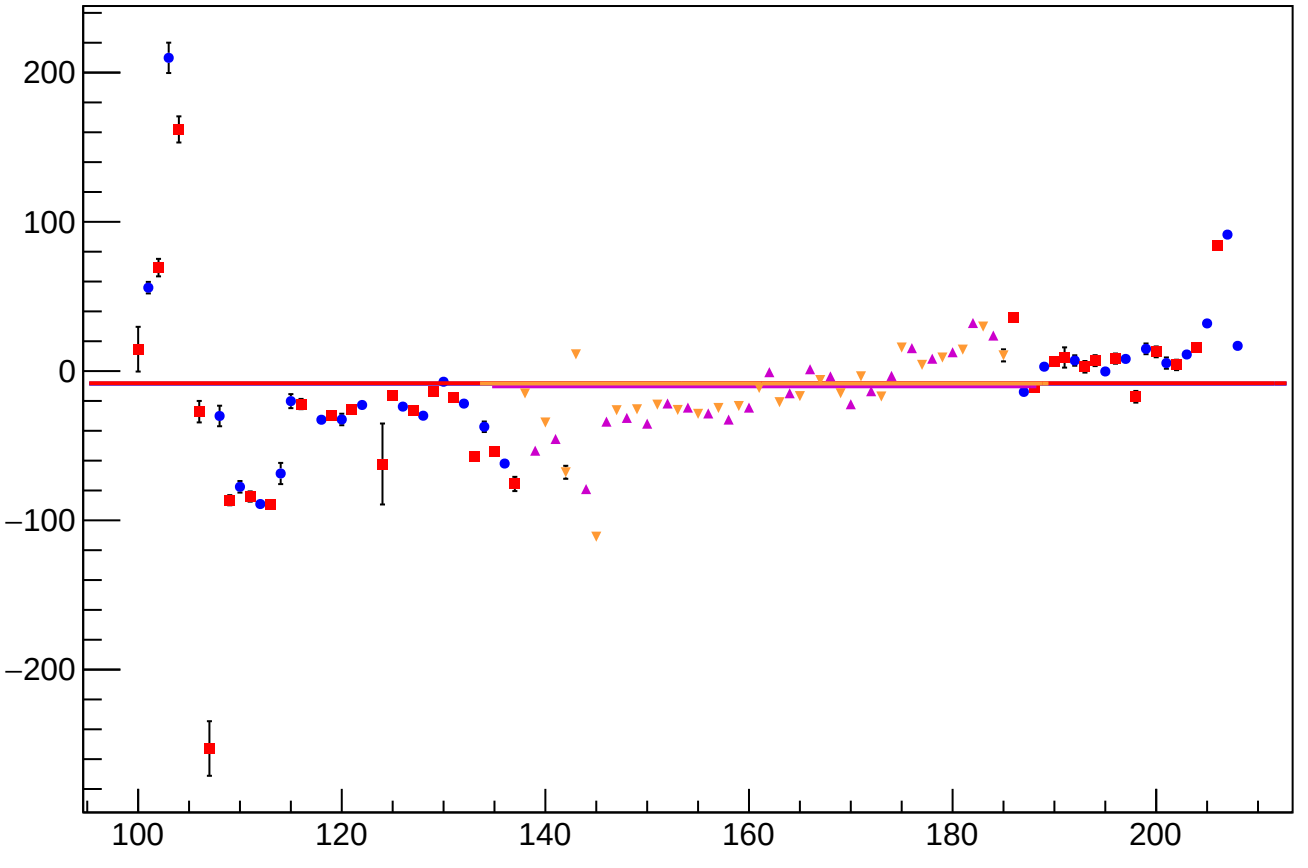
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.148+/-0.011 χ^2/NDF: 3198.8/57

In: 0.152+/-0.004 χ^2/NDF:3573.0/49

Out: 0.135+/-0.004 χ^2/NDF:4147.9/55

All: 0.143+/-0.003 χ^2/NDF: 7728.9/105



Right In: -8.411+/-0.587 χ^2/NDF: 4431.6/26

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -8.140+/-0.546 χ^2/NDF: 5412.5/30

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

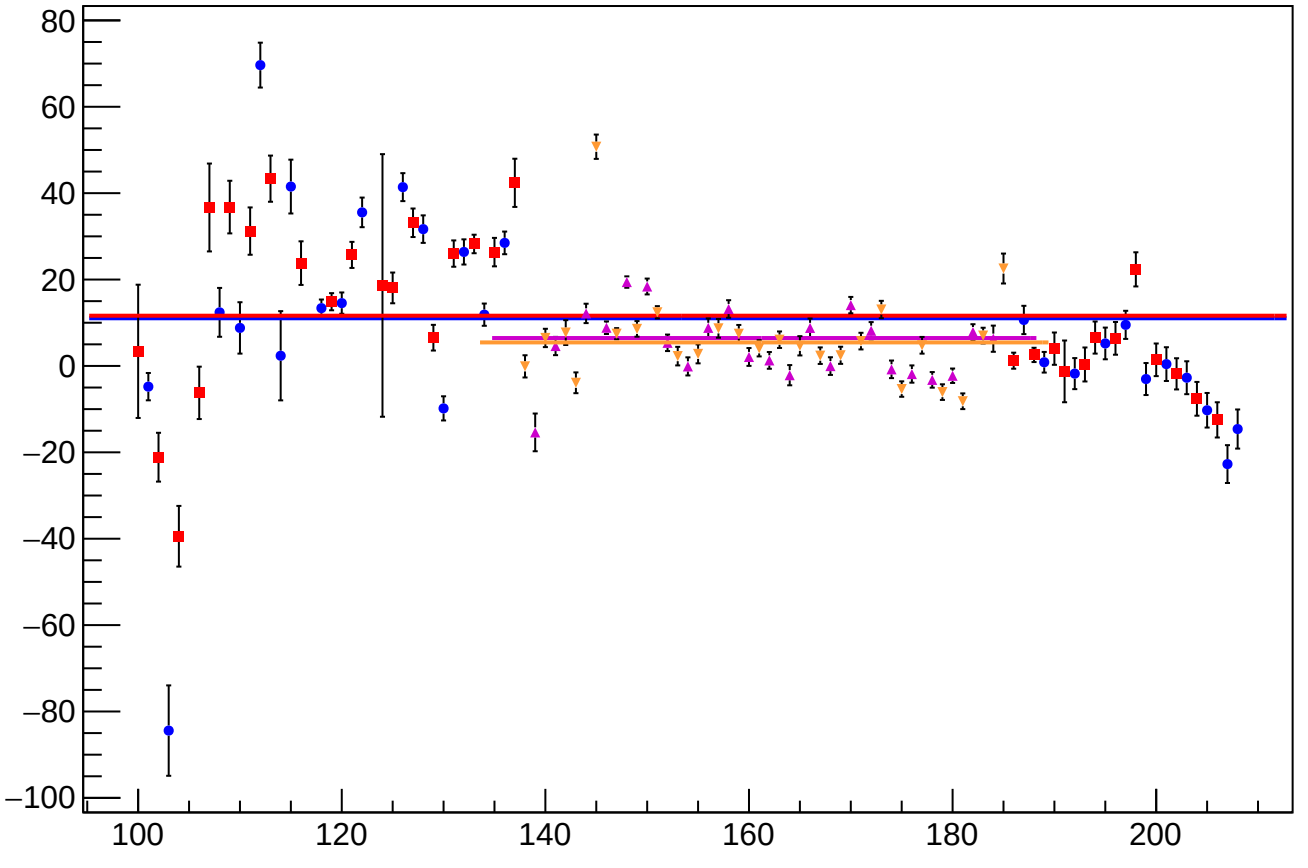
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -8.266+/-0.399 χ^2/NDF: 9844.2/57

In: -9.393+/-0.392 χ^2/NDF:6955.1/49

Out: -8.224+/-0.374 χ^2/NDF:7972.1/55

All: -8.781+/-0.270 χ^2/NDF: 14931.9/105



Right In: 11.035+/-0.651 χ^2/NDF: 760.8/26

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 11.629+/-0.618 χ^2/NDF: 546.8/30

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

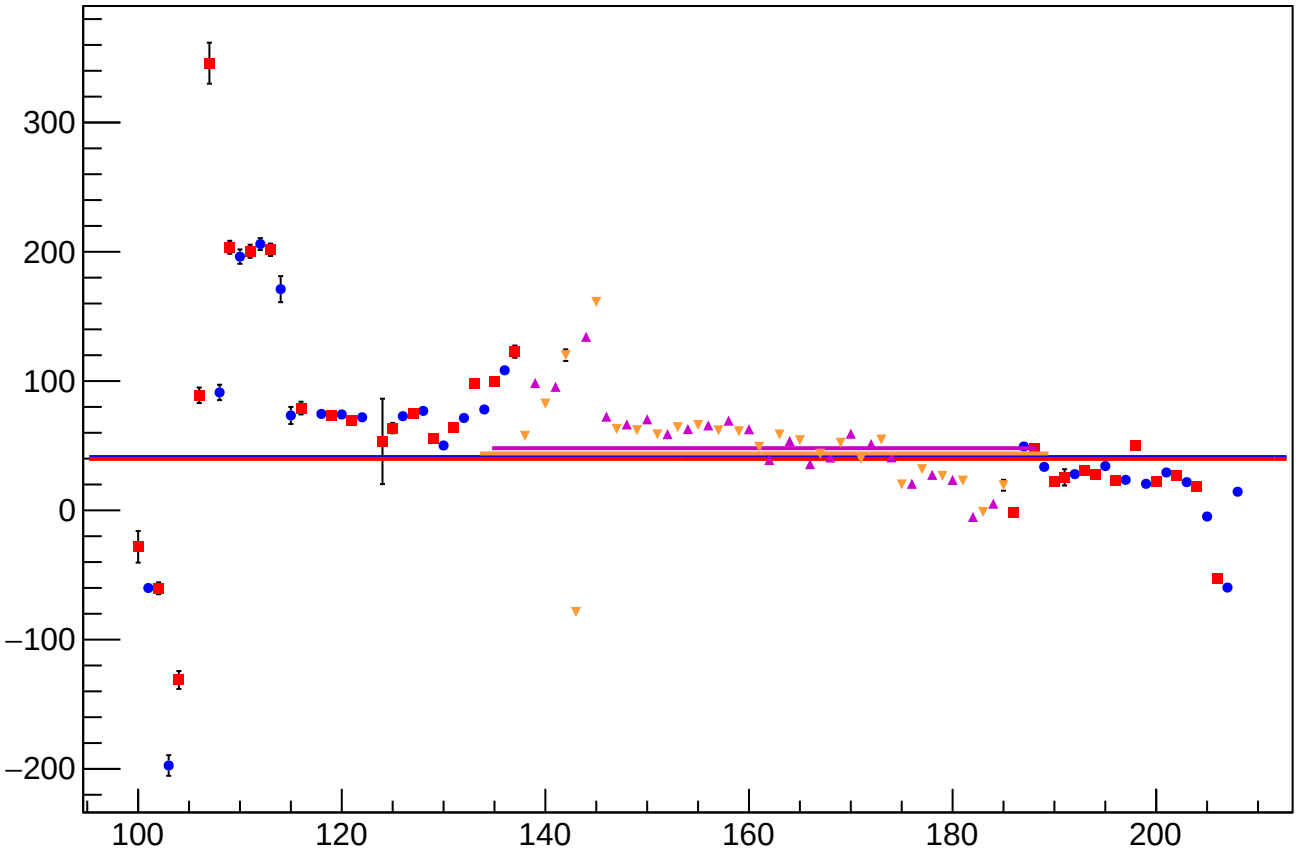
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 11.347+/-0.448 χ^2/NDF: 1308.1/57

In: 7.752+/-0.346 χ^2/NDF:1132.3/49

Out: 7.231+/-0.332 χ^2/NDF:1111.7/55

All: 7.481+/-0.240 χ^2/NDF: 2245.1/105



Right In: 41.210+/-0.577 χ^2/NDF: 7862.1/26

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 39.793+/-0.511 χ^2/NDF: 8984.2/30

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

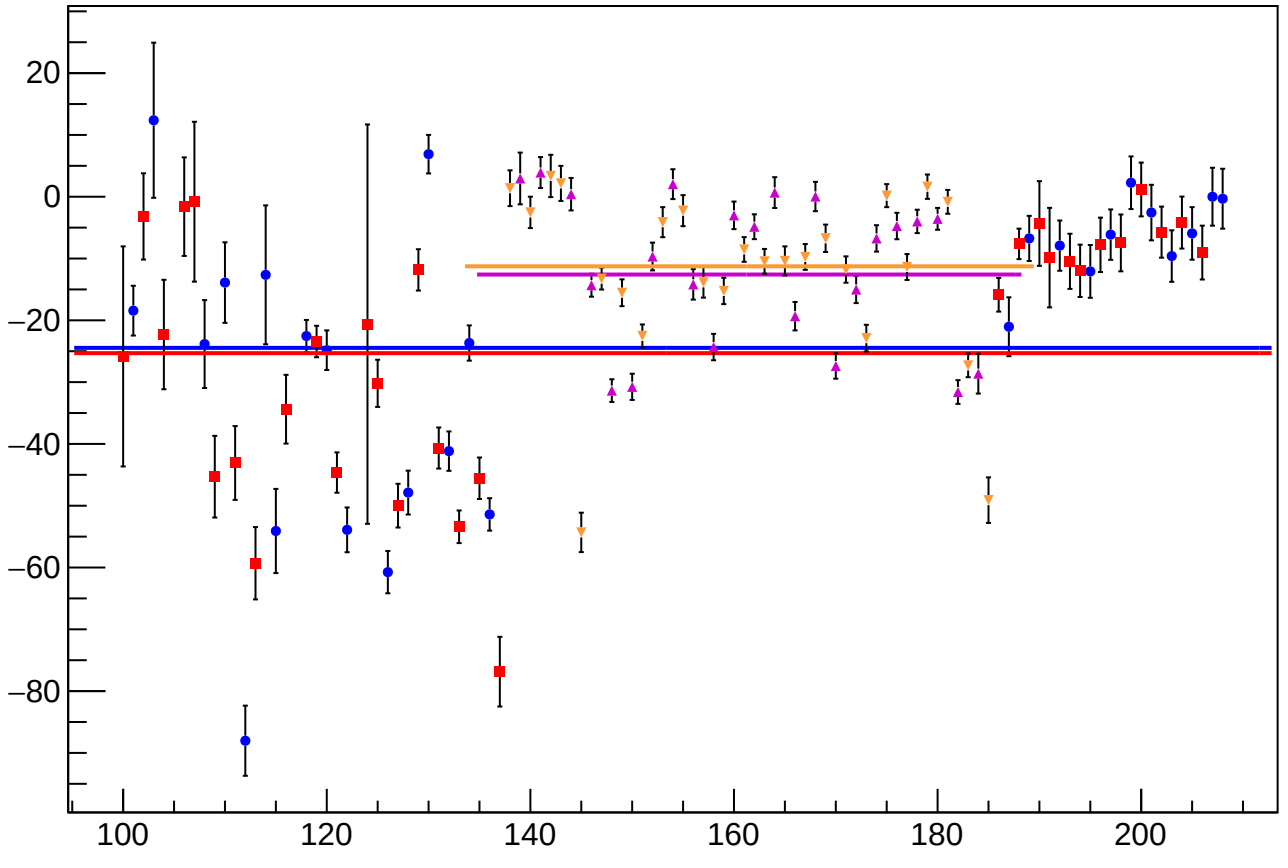
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 40.415+/-0.382 χ^2/NDF: 16849.7/57

In: 44.989+/-0.387 χ^2/NDF:11316.7/49

Out: 41.920+/-0.361 χ^2/NDF:13582.6/55

All: 43.348+/-0.264 χ^2/NDF: 24933.0/105



Right In: -24.455+/-0.761 χ^2/NDF: 831.5/26

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.313+/-0.751 χ^2/NDF: 660.9/30

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

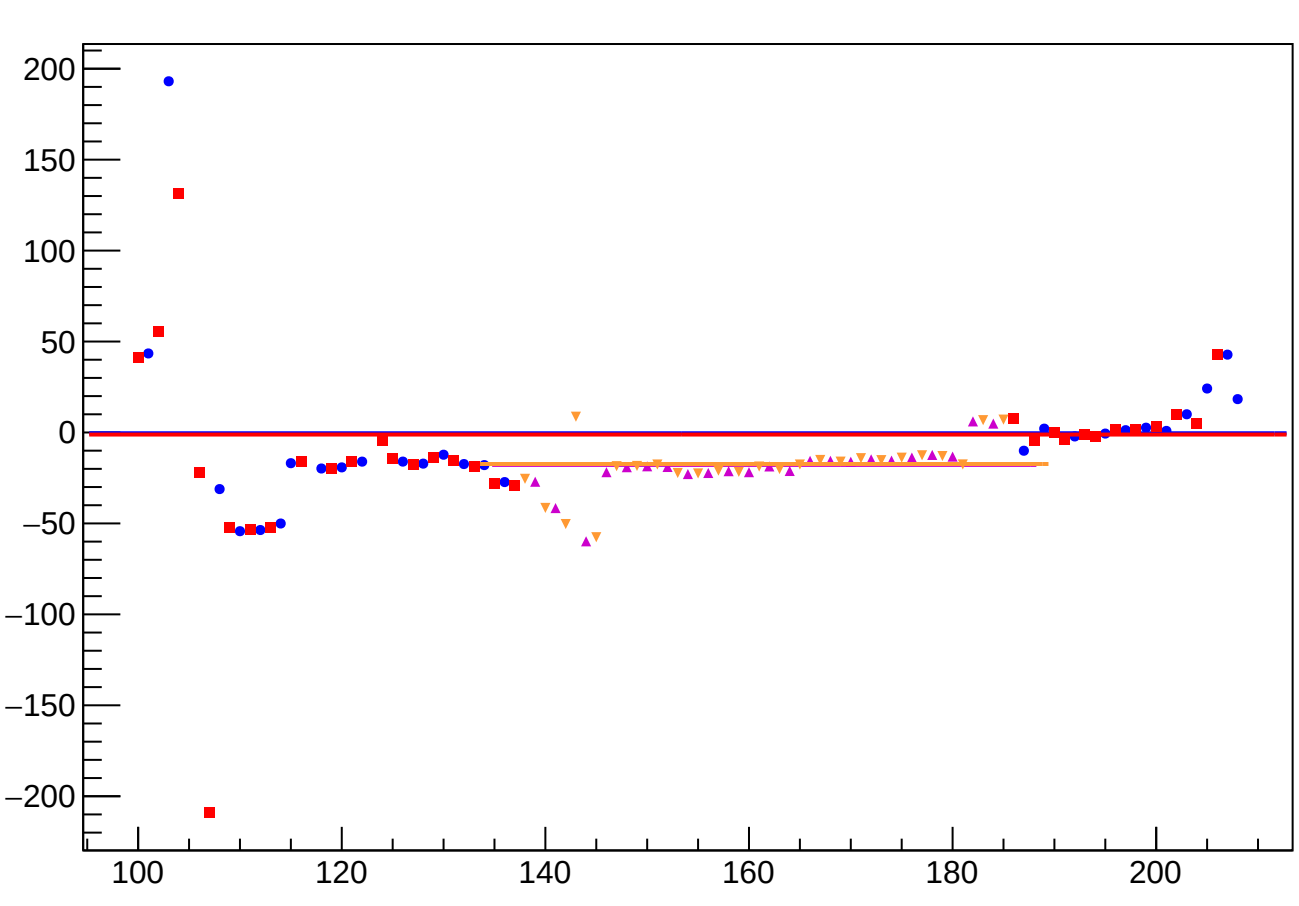
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -24.890+/-0.534 χ^2/NDF: 1493.1/57

In: -15.753+/-0.393 χ^2/NDF:1681.6/49

Out: -14.911+/-0.383 χ^2/NDF:1563.5/55

All: -15.321+/-0.274 χ^2/NDF: 3247.5/105



Right In: -0.427+/-0.036 χ^2/NDF: 643310.9/26

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.138+/-0.035 χ^2/NDF: 570005.9/30

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

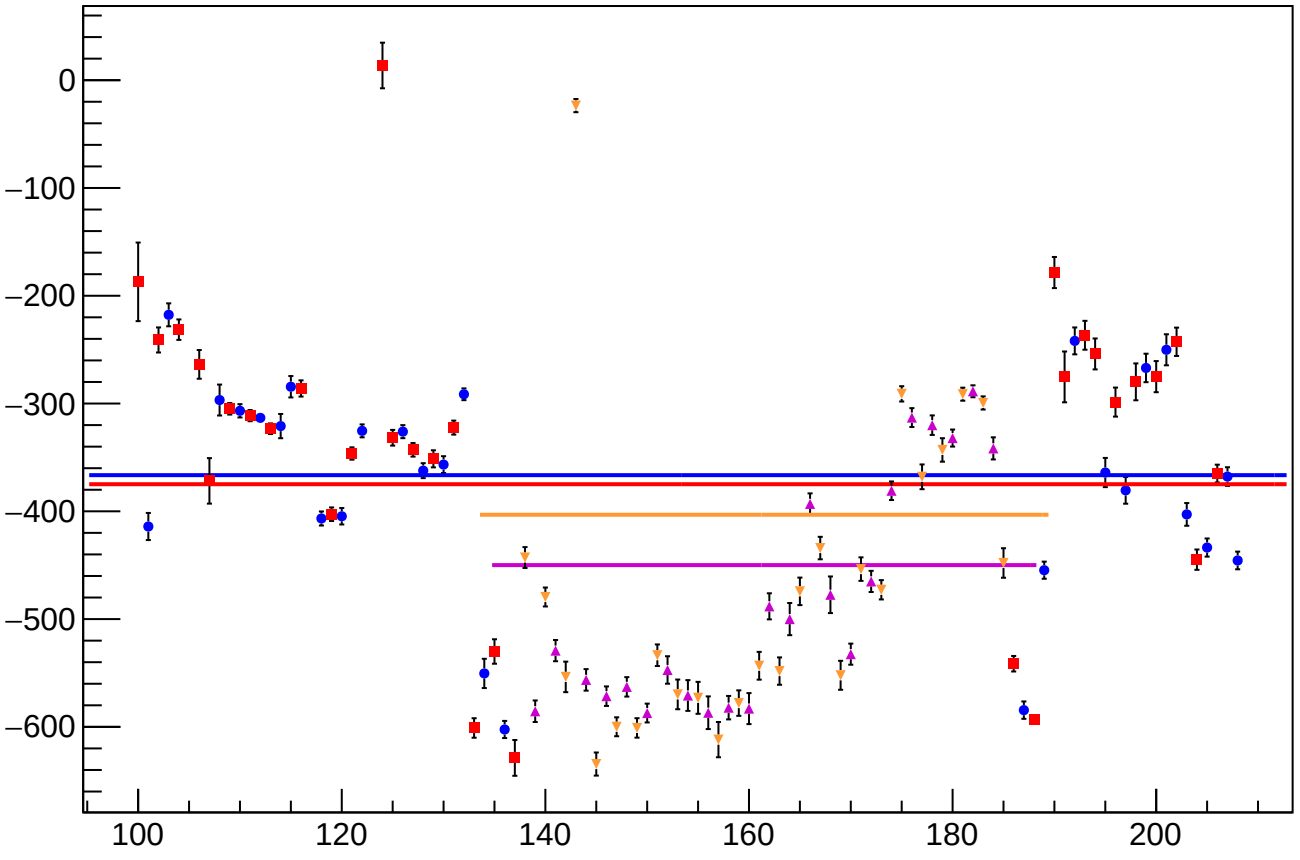
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.788+/-0.025 χ^2/NDF: 1213518.2/57

In: -13.575+/-0.018 χ^2/NDF:1090560.7/49

Out: -13.376+/-0.017 χ^2/NDF:1078387.5/55

All: -13.474+/-0.012 χ^2/NDF: 2169012.5/105



Right In: -366.450+/-1.558 χ^2/NDF: 3199.9/26

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -374.859+/-1.476 χ^2/NDF: 6349.0/30

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

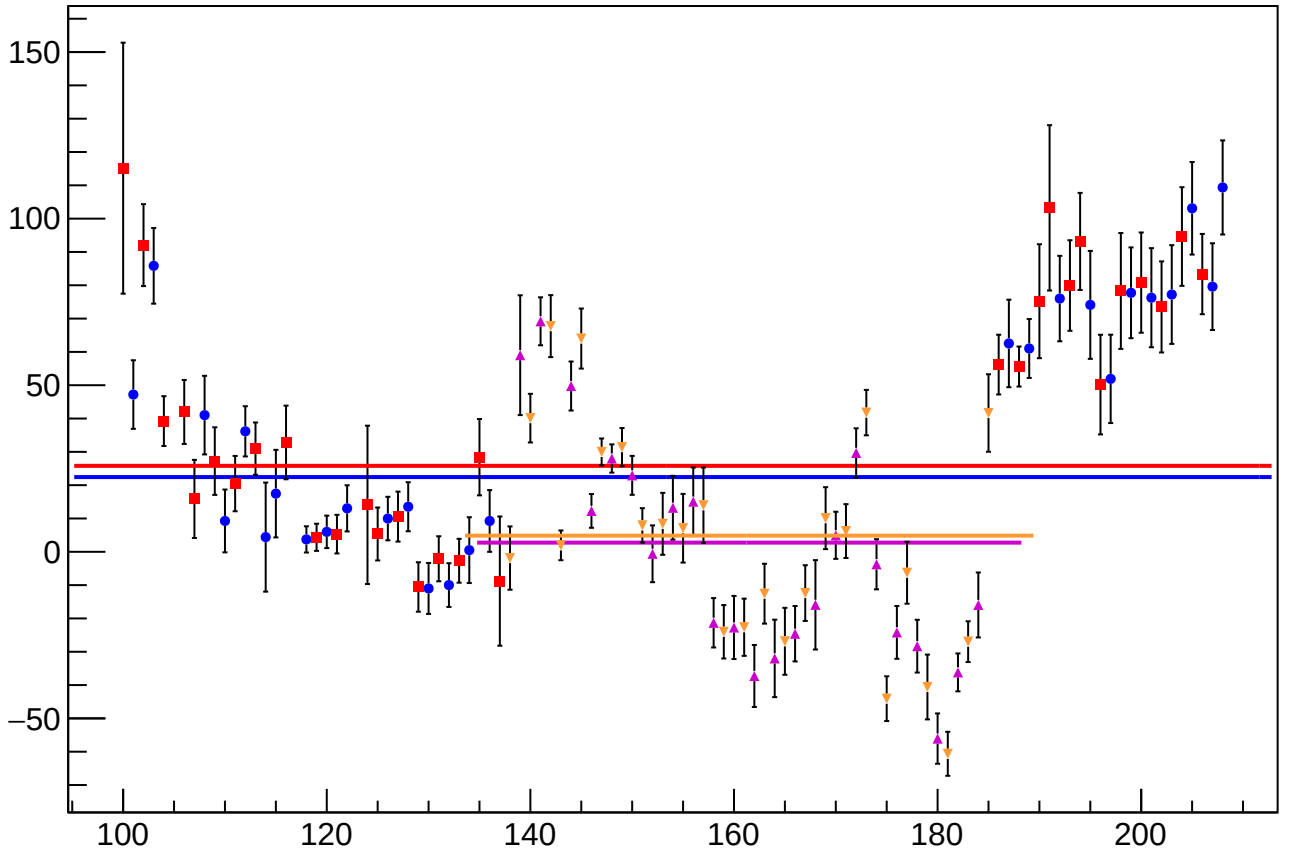
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -370.883+/-1.072 χ^2/NDF: 9564.2/57

In: -397.145+/-1.239 χ^2/NDF:7473.8/49

Out: -385.332+/-1.172 χ^2/NDF:14235.5/55

All: -390.910+/-0.851 χ^2/NDF: 21757.2/105



Right In: 22.429+/-1.668 χ^2/NDF: 332.6/26

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 25.803+/-1.633 χ^2/NDF: 330.1/30

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

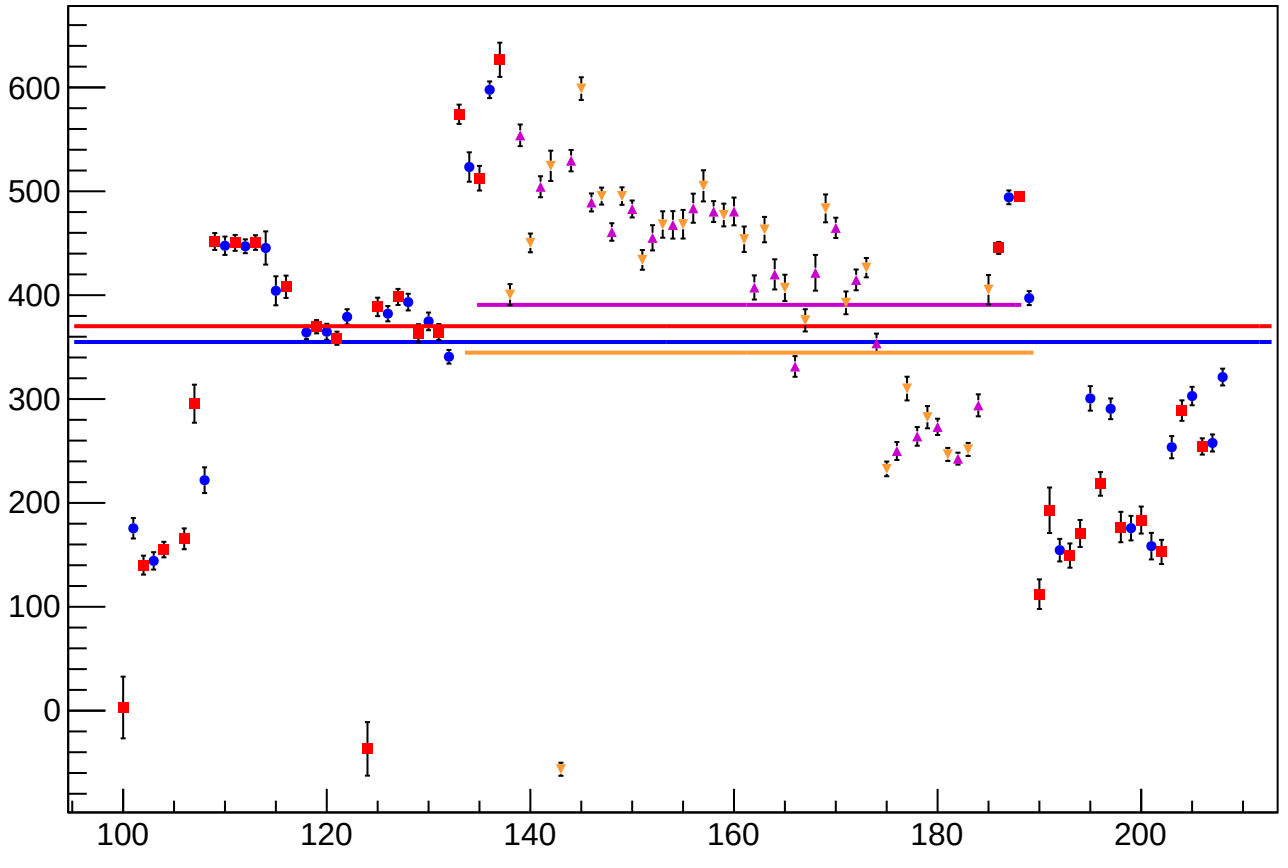
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 24.153+/-1.167 χ^2/NDF: 664.7/57

In: 11.897+/-1.137 χ^2/NDF:806.6/49

Out: 14.071+/-1.083 χ^2/NDF:879.4/55

All: 13.037+/-0.784 χ^2/NDF: 1688.0/105



Right In: 354.911+/-1.663 χ^2/NDF: 4176.1/26

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.135+/-1.535 χ^2/NDF: 7208.1/30

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

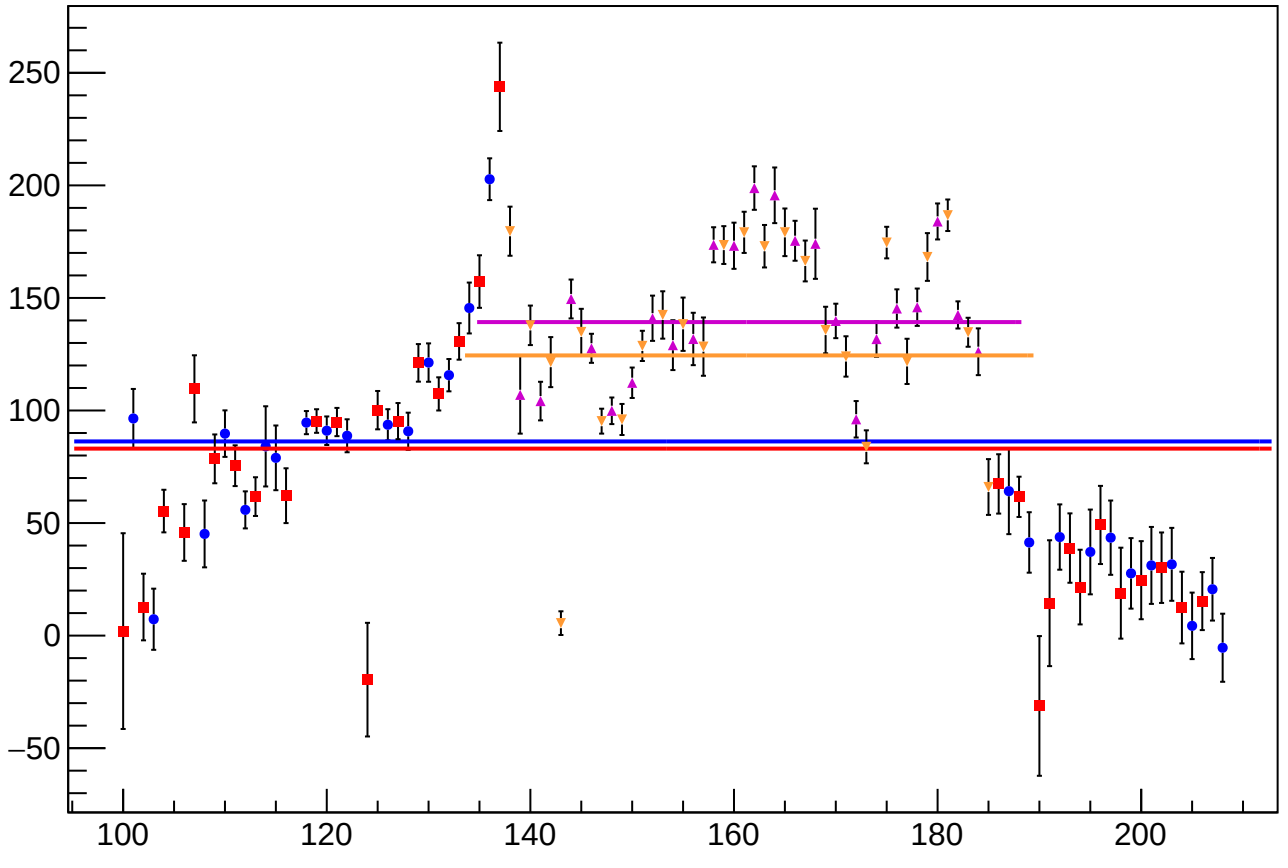
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.132+/-1.128 χ^2/NDF: 11429.5/57

In: 369.275+/-1.286 χ^2/NDF:7034.7/49

Out: 360.237+/-1.200 χ^2/NDF:14593.3/55

All: 364.442+/-0.877 χ^2/NDF: 21654.4/105



Right In: 86.261+/-1.952 χ^2/NDF: 439.7/26

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 83.064+/-1.924 χ^2/NDF: 395.0/30

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

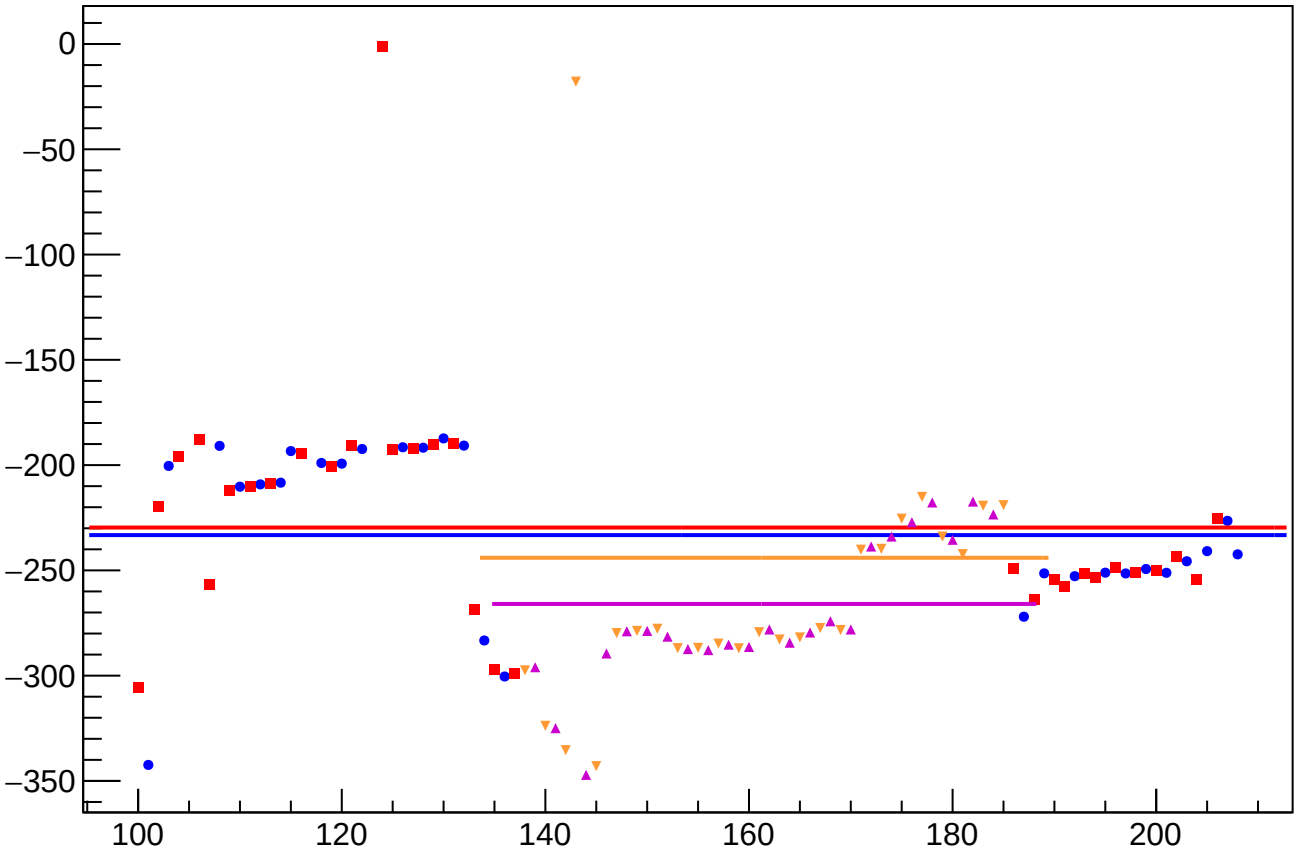
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 84.639+/-1.370 χ^2/NDF: 836.0/57

In: 115.361+/-1.311 χ^2/NDF:1105.5/49

Out: 106.772+/-1.258 χ^2/NDF:1597.8/55

All: 110.888+/-0.908 χ^2/NDF: 2725.7/105



Right In: -233.248+/-0.107 χ^2/NDF: 136096.1/26

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.650+/-0.103 χ^2/NDF: 111276.0/30

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

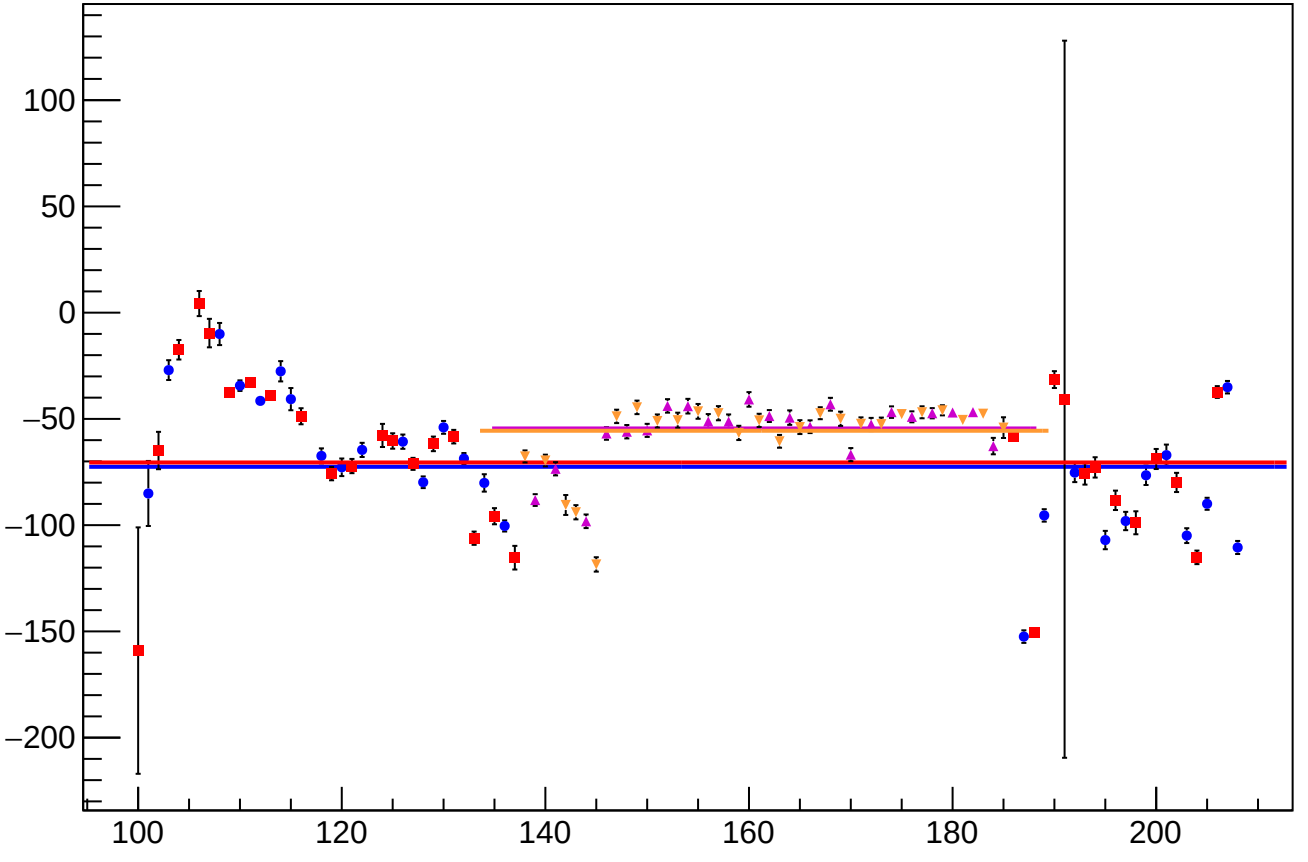
Right: -231.384+/-0.074 χ^2/NDF: 247959.9/57

In: -254.098+/-0.064 χ^2/NDF:365811.0/49

Out: -238.841+/-0.062 χ^2/NDF:1121683.4/55

All: -246.174+/-0.045 χ^2/NDF: 1516750.7/10

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -72.545+/-0.651 χ^2/NDF: 2323.5/26

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.500+/-0.597 χ^2/NDF: 4103.0/30

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

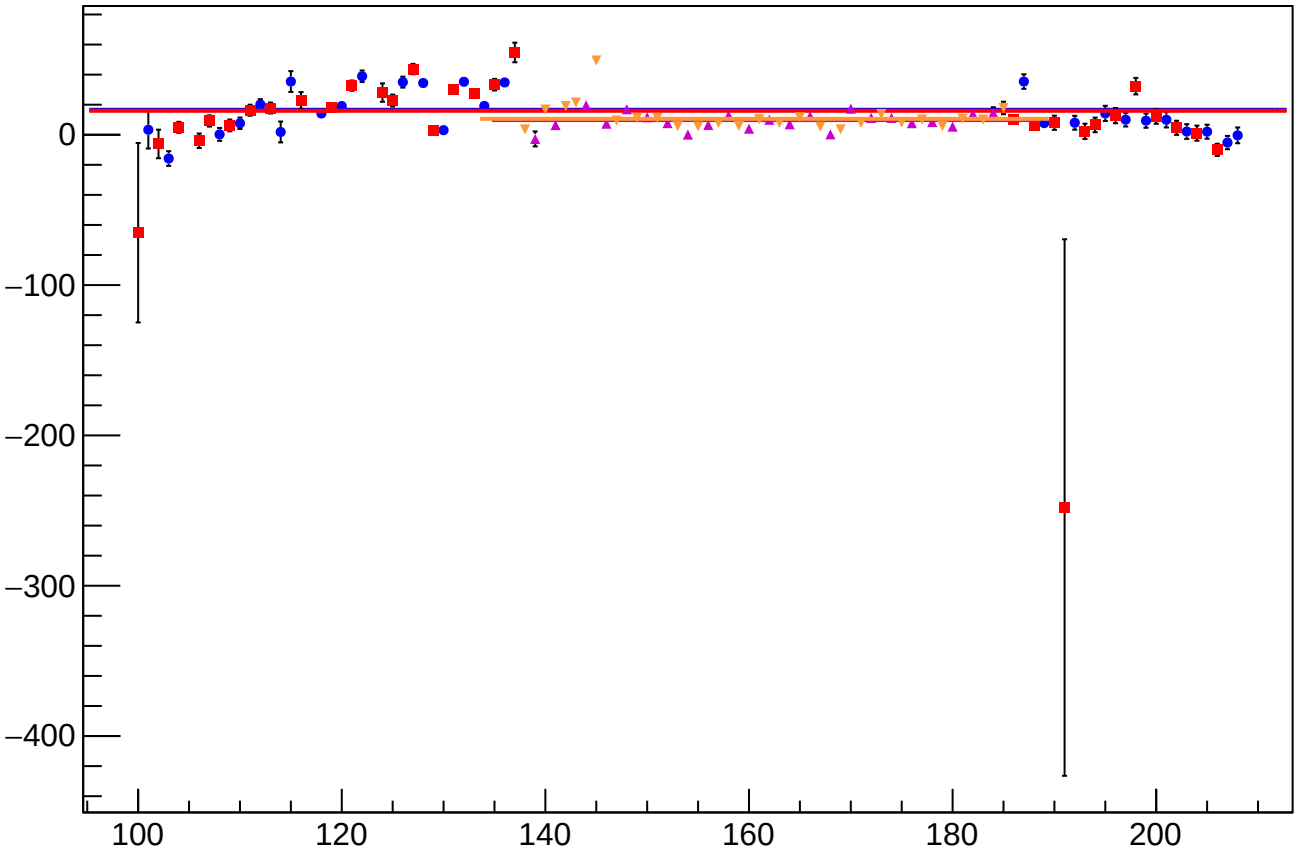
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -71.434+/-0.440 χ^2/NDF: 6431.9/57

In: -62.879+/-0.444 χ^2/NDF:3235.4/49

Out: -62.950+/-0.420 χ^2/NDF:5105.6/55

All: -62.916+/-0.305 χ^2/NDF: 8341.0/105



Right In: 16.606+/-0.733 χ^2/NDF: 347.6/26

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.939+/-0.679 χ^2/NDF: 361.1/30

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

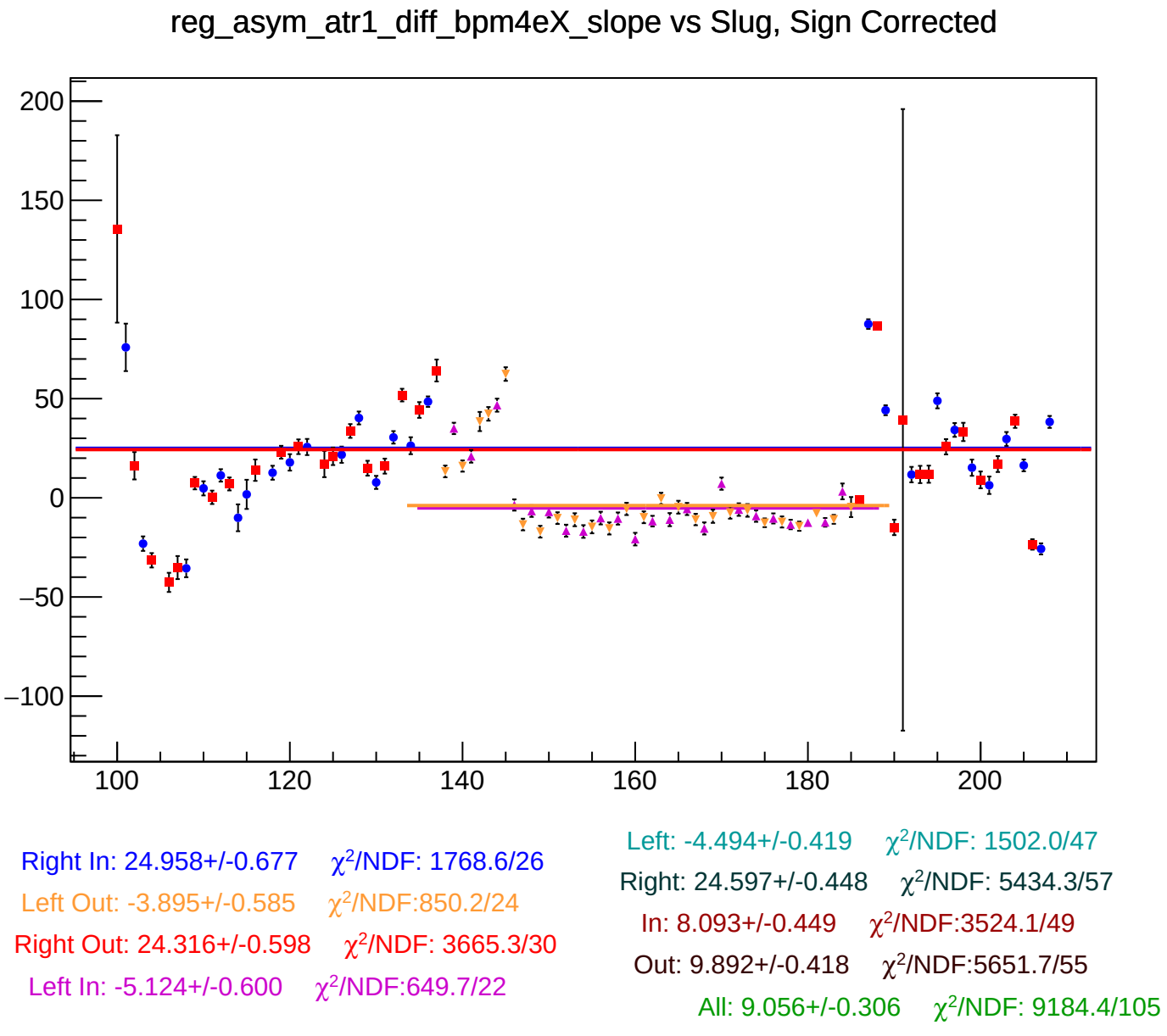
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

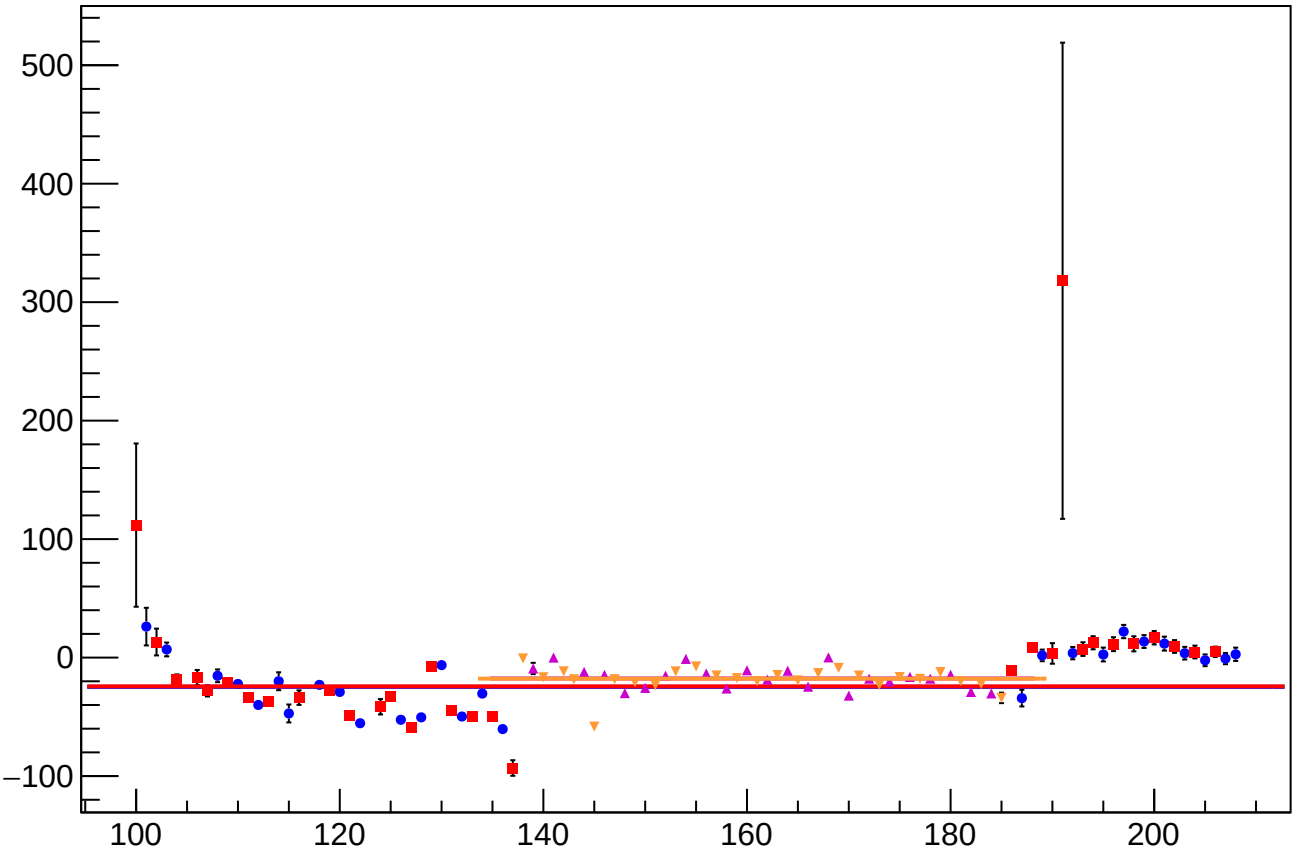
Right: 16.247+/-0.498 χ^2/NDF: 709.2/57

In: 11.738+/-0.394 χ^2/NDF:530.6/49

Out: 12.228+/-0.375 χ^2/NDF:659.1/55

All: 11.995+/-0.271 χ^2/NDF: 1190.5/105


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 24.958+/-0.677 χ²/NDF: 1768.6/26
Left Out: -3.895+/-0.585 χ²/NDF:850.2/24
Right Out: 24.316+/-0.598 χ²/NDF: 3665.3/30
Left In: -5.124+/-0.600 χ²/NDF:649.7/22
Left: -4.494+/-0.419 χ²/NDF: 1502.0/47
Right: 24.597+/-0.448 χ²/NDF: 5434.3/57
In: 8.093+/-0.449 χ²/NDF:3524.1/49
Out: 9.892+/-0.418 χ²/NDF:5651.7/55
All: 9.056+/-0.306 χ²/NDF: 9184.4/105



Right In: -24.681+/-0.847 χ^2/NDF: 790.7/26

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -24.293+/-0.811 χ^2/NDF: 896.0/30

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

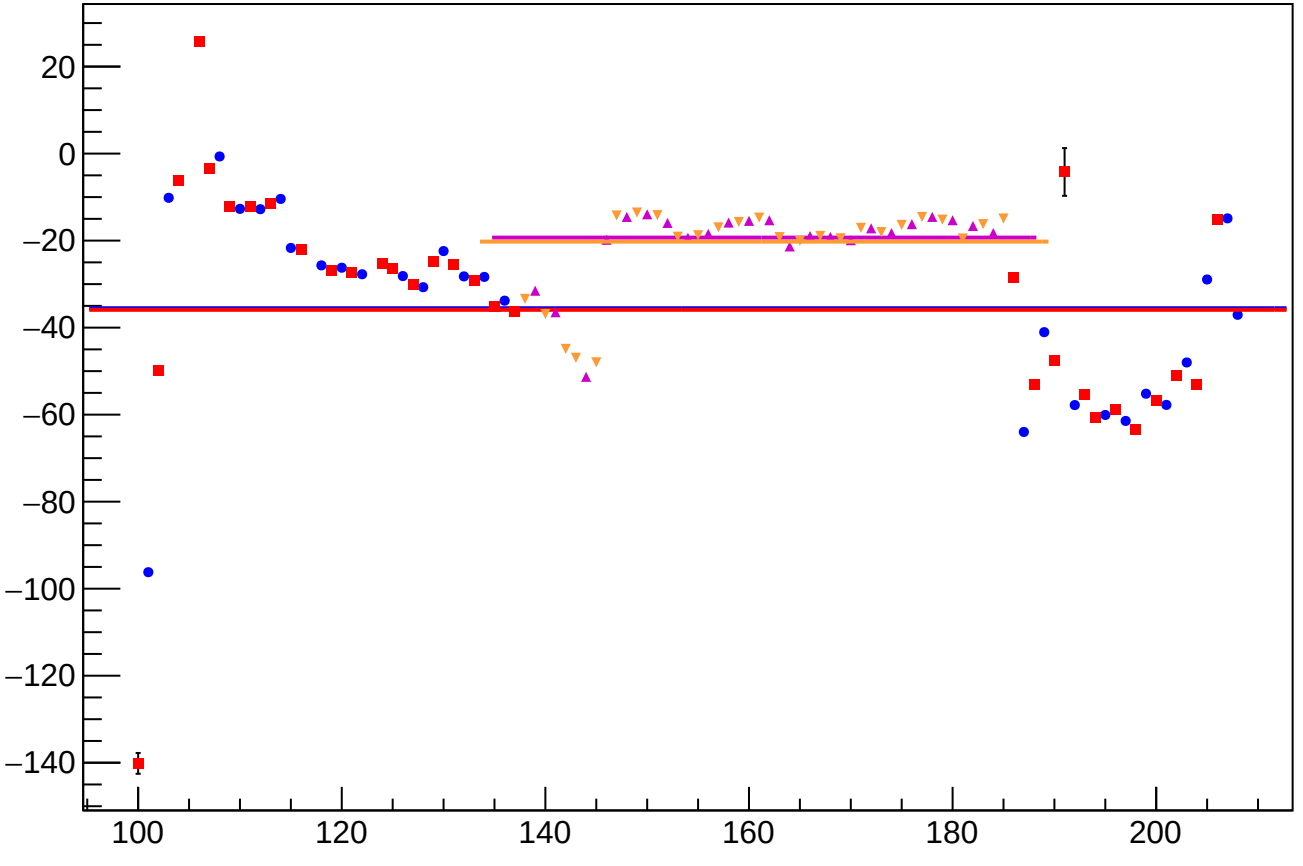
Right: -24.478+/-0.586 χ^2/NDF: 1686.8/57

In: -19.602+/-0.447 χ^2/NDF:1126.4/49

Out: -19.618+/-0.431 χ^2/NDF:1193.9/55

All: -19.610+/-0.310 χ^2/NDF: 2320.3/105

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -35.543+/-0.041 χ^2/NDF: 212691.0/26

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -35.906+/-0.040 χ^2/NDF: 291664.7/30

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

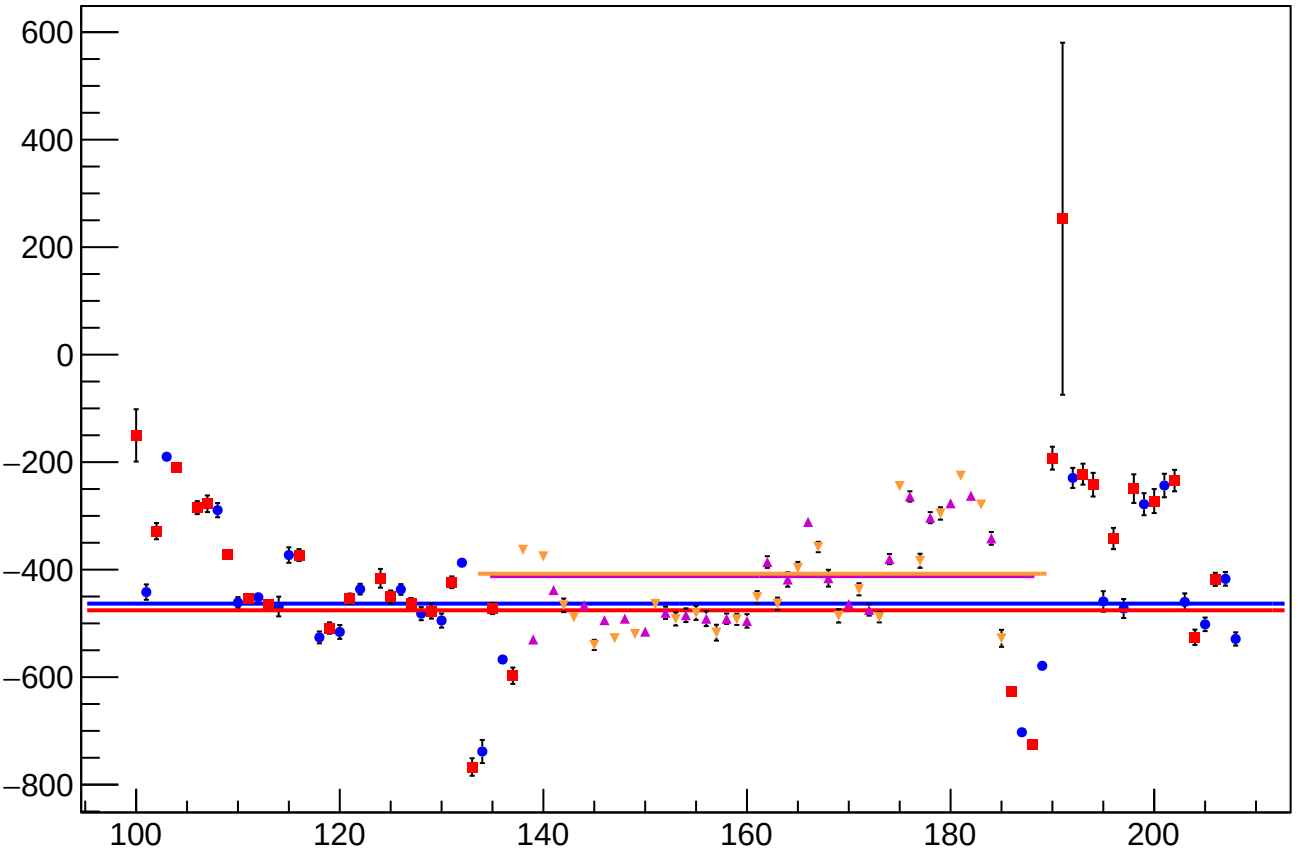
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -35.726+/-0.029 χ^2/NDF: 504395.4/57

In: -23.268+/-0.020 χ^2/NDF:424493.2/49

Out: -24.018+/-0.020 χ^2/NDF:552801.1/55

All: -23.649+/-0.014 χ^2/NDF: 977992.5/105



Right In: -463.232+/-2.246 χ^2/NDF: 2857.5/26

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -475.625+/-2.029 χ^2/NDF: 6112.1/30

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

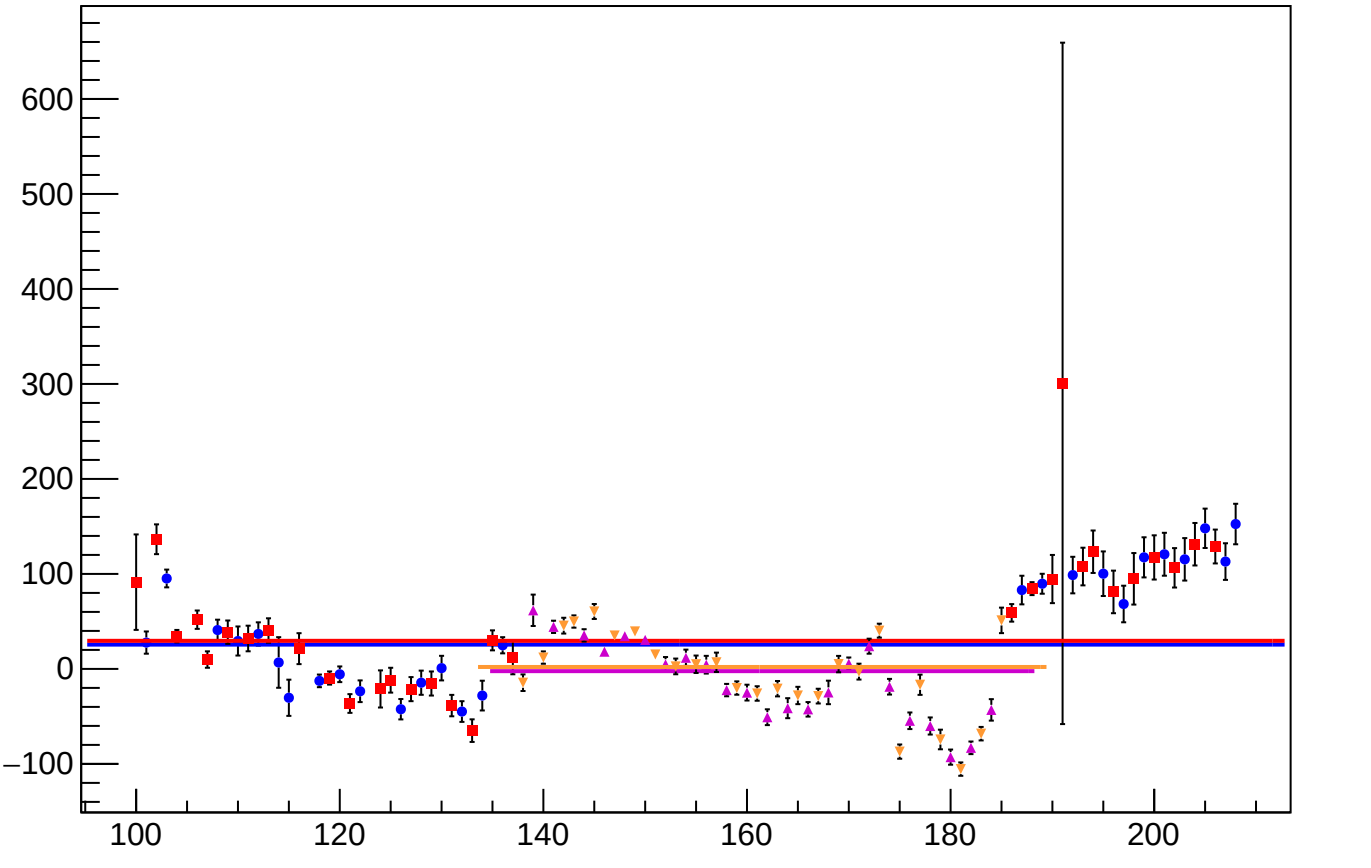
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -470.058+/-1.506 χ^2/NDF: 8986.3/57

In: -434.815+/-1.497 χ^2/NDF:5327.7/49

Out: -440.257+/-1.406 χ^2/NDF:9569.5/55

All: -437.706+/-1.025 χ^2/NDF: 14904.2/105



Right In: 25.587+/-2.436 χ^2/NDF: 465.6/26

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 29.565+/-2.208 χ^2/NDF: 489.7/30

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

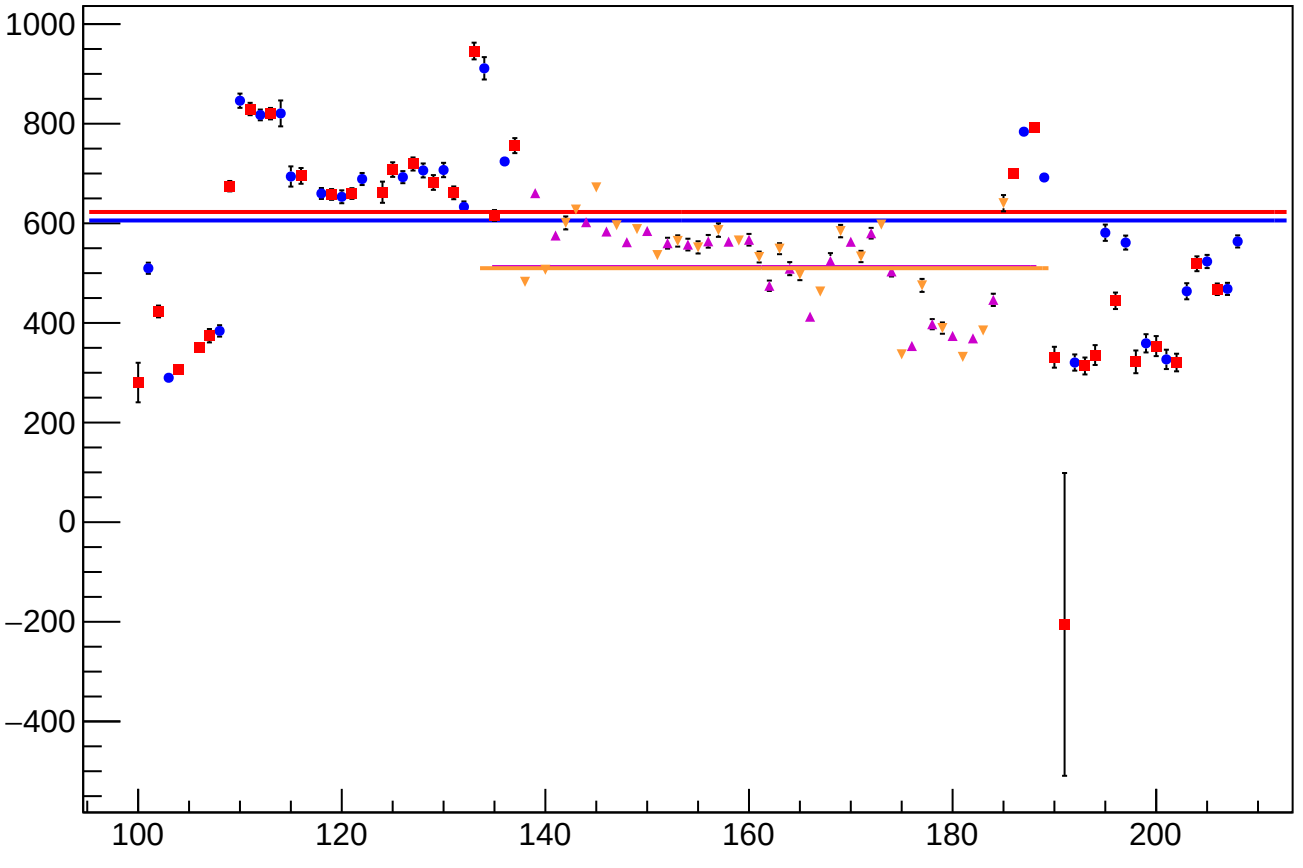
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 27.771+/-1.636 χ^2/NDF: 956.8/57

In: 5.189+/-1.266 χ^2/NDF:1295.1/49

Out: 10.136+/-1.198 χ^2/NDF:1510.1/55

All: 7.800+/-0.870 χ^2/NDF: 2813.3/105



Right In: 605.708+/-2.267 χ^2/NDF: 5526.7/26

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 622.772+/-1.981 χ^2/NDF: 8806.5/30

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

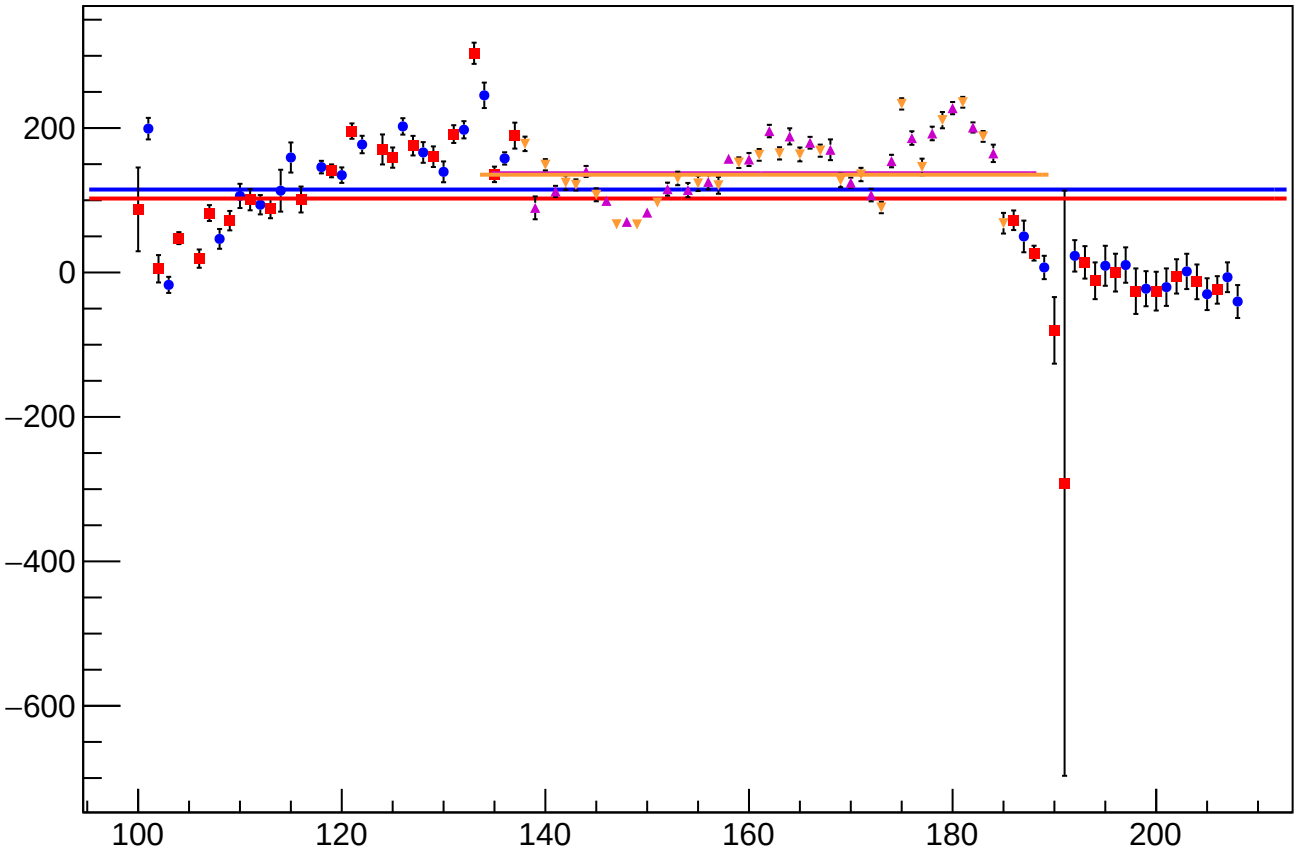
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 615.386+/-1.492 χ^2/NDF: 14365.3/57

In: 552.783+/-1.493 χ^2/NDF:8576.1/49

Out: 565.043+/-1.384 χ^2/NDF:13129.8/55

All: 559.376+/-1.015 χ^2/NDF: 21742.2/105



Right In: 114.864+/-2.853 χ^2/NDF: 759.1/26

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 102.390+/-2.656 χ^2/NDF: 818.3/30

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

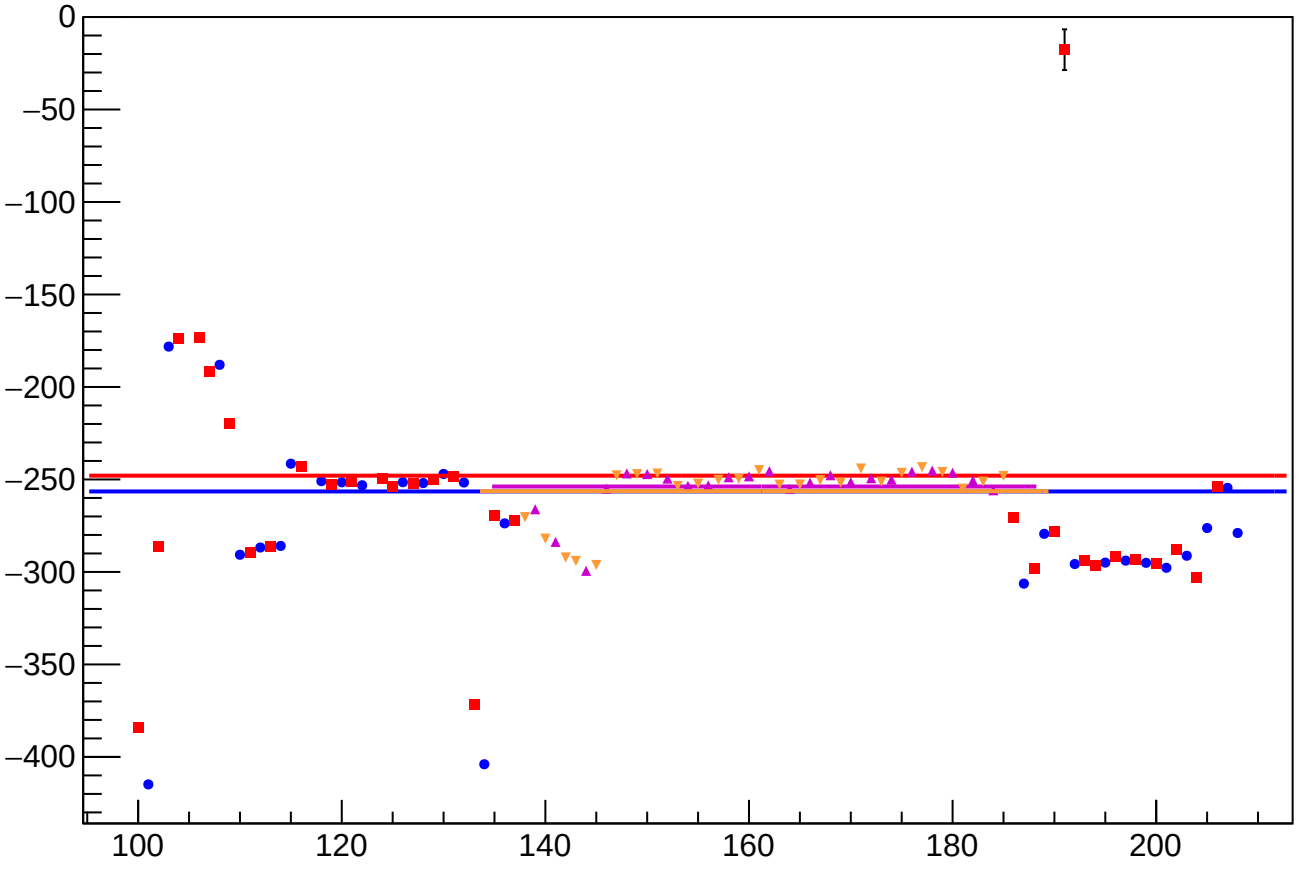
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 108.183+/-1.944 χ^2/NDF: 1587.6/57

In: 131.464+/-1.462 χ^2/NDF:1511.0/49

Out: 126.224+/-1.401 χ^2/NDF:1853.0/55

All: 128.733+/-1.011 χ^2/NDF: 3370.6/105



Right In: -256.481+/-0.136 χ^2/NDF: 198460.6/26

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.950+/-0.131 χ^2/NDF: 148464.4/30

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

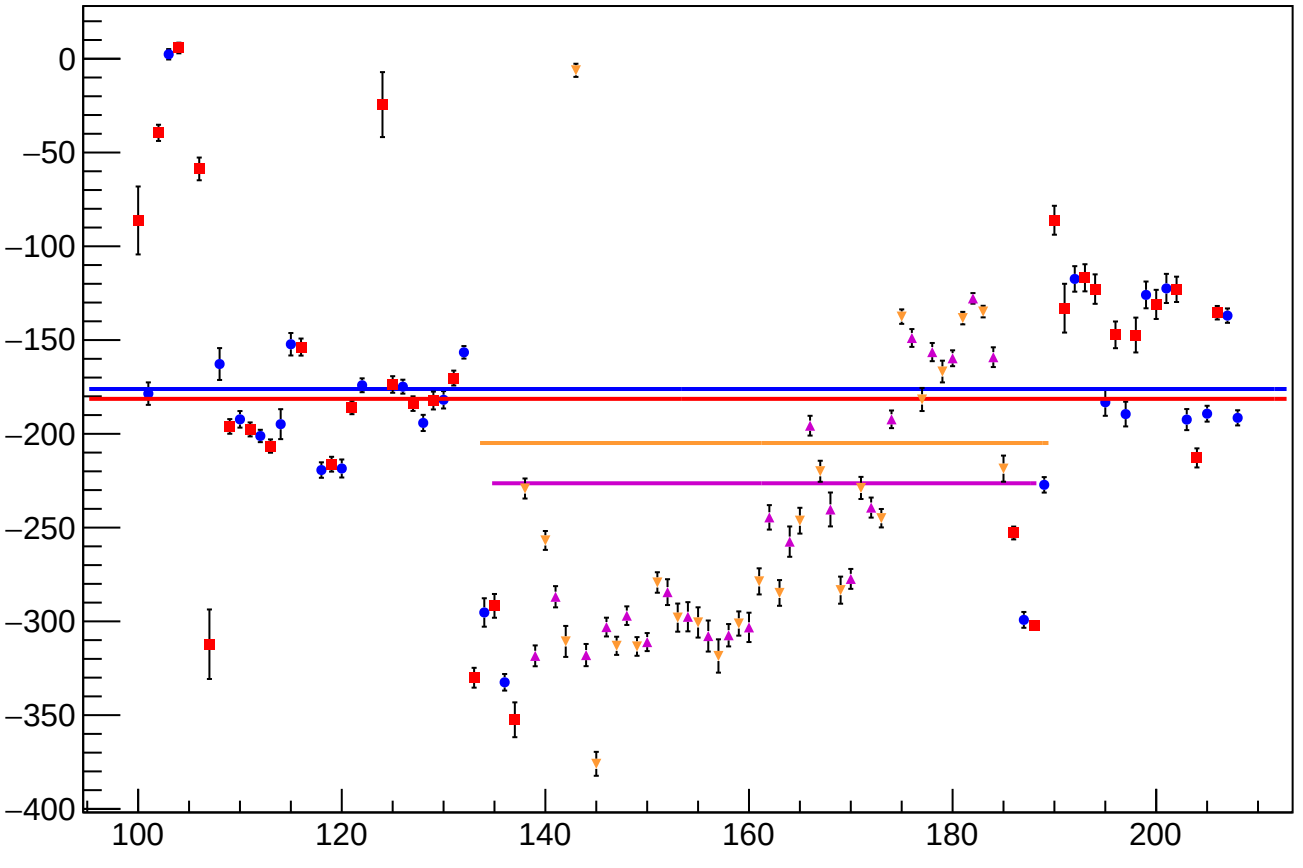
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -252.055+/-0.094 χ^2/NDF: 348963.1/57

In: -254.474+/-0.068 χ^2/NDF:222825.9/49

Out: -254.190+/-0.066 χ^2/NDF:191026.5/55

All: -254.329+/-0.047 χ^2/NDF: 413861.4/105



Right In: -176.094+/-0.879 χ^2/NDF: 7276.6/26

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -181.354+/-0.832 χ^2/NDF: 11560.8/30

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

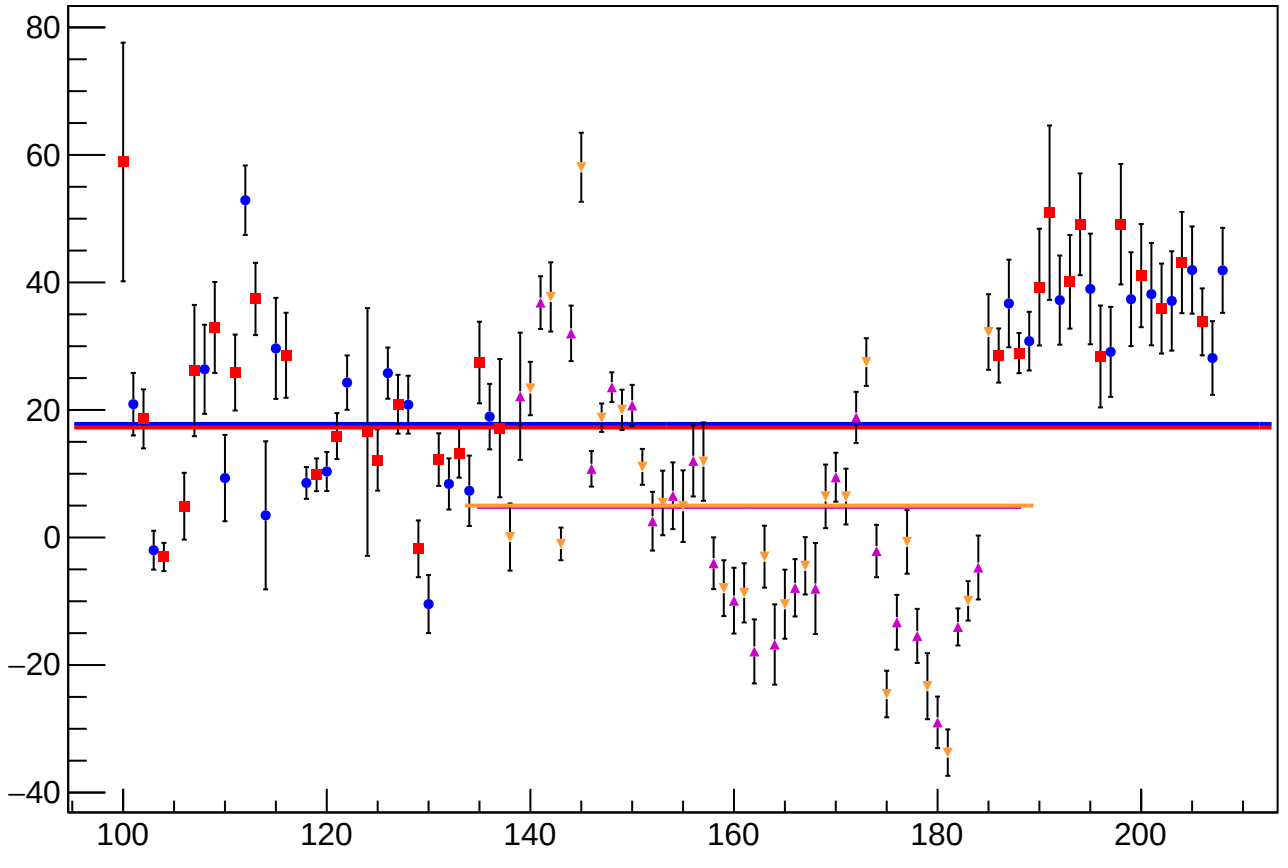
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -178.867+/-0.604 χ^2/NDF: 18856.3/57

In: -195.567+/-0.688 χ^2/NDF:12763.7/49

Out: -190.414+/-0.653 χ^2/NDF:19695.0/55

All: -192.856+/-0.473 χ^2/NDF: 32488.2/105



Right In: 17.806+/-0.949 χ^2/NDF: 245.1/26

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 17.255+/-0.893 χ^2/NDF: 259.2/30

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

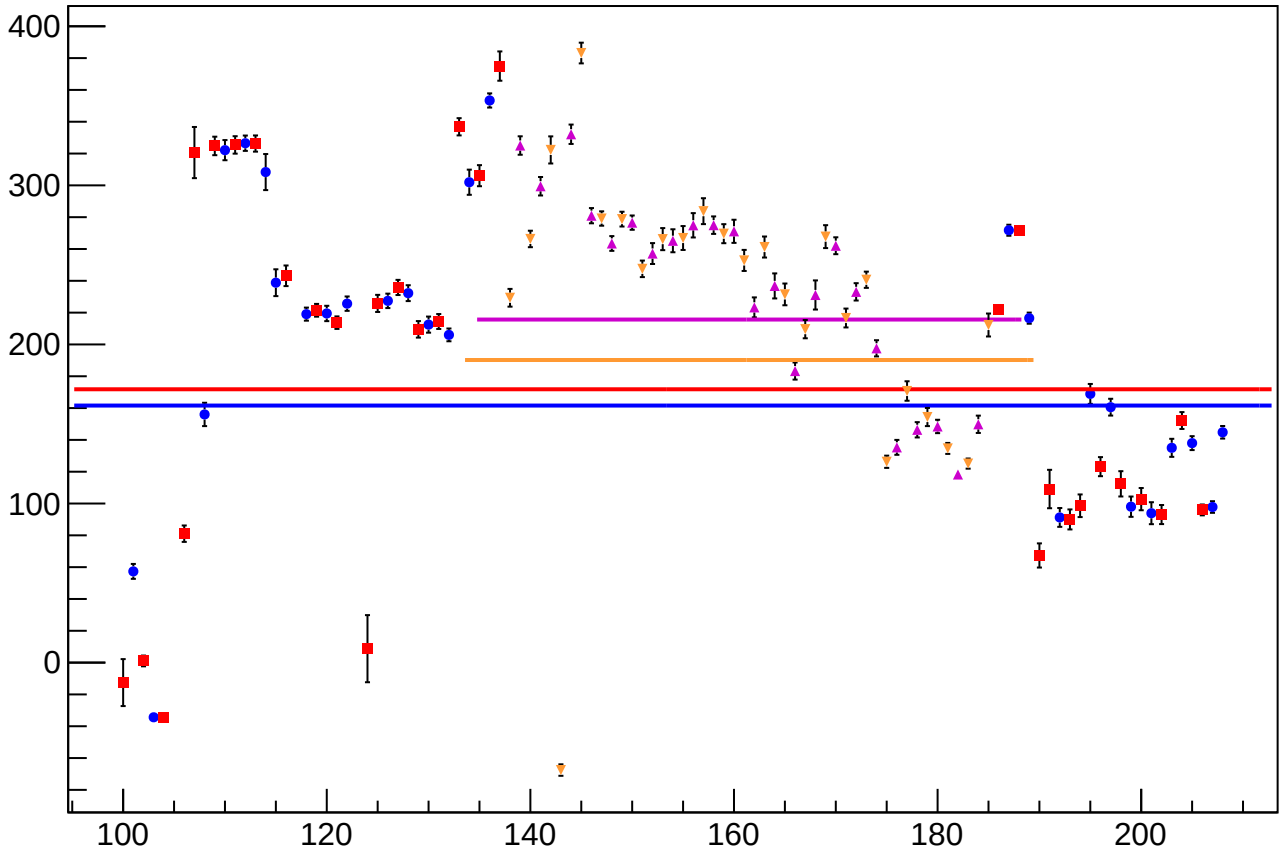
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 17.514+/-0.650 χ^2/NDF: 504.5/57

In: 10.559+/-0.632 χ^2/NDF:776.0/49

Out: 10.410+/-0.593 χ^2/NDF:912.8/55

All: 10.480+/-0.432 χ^2/NDF: 1688.9/105



Right In: 161.584+/-0.879 χ^2/NDF: 15920.6/26

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 171.820+/-0.808 χ^2/NDF: 21367.2/30

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

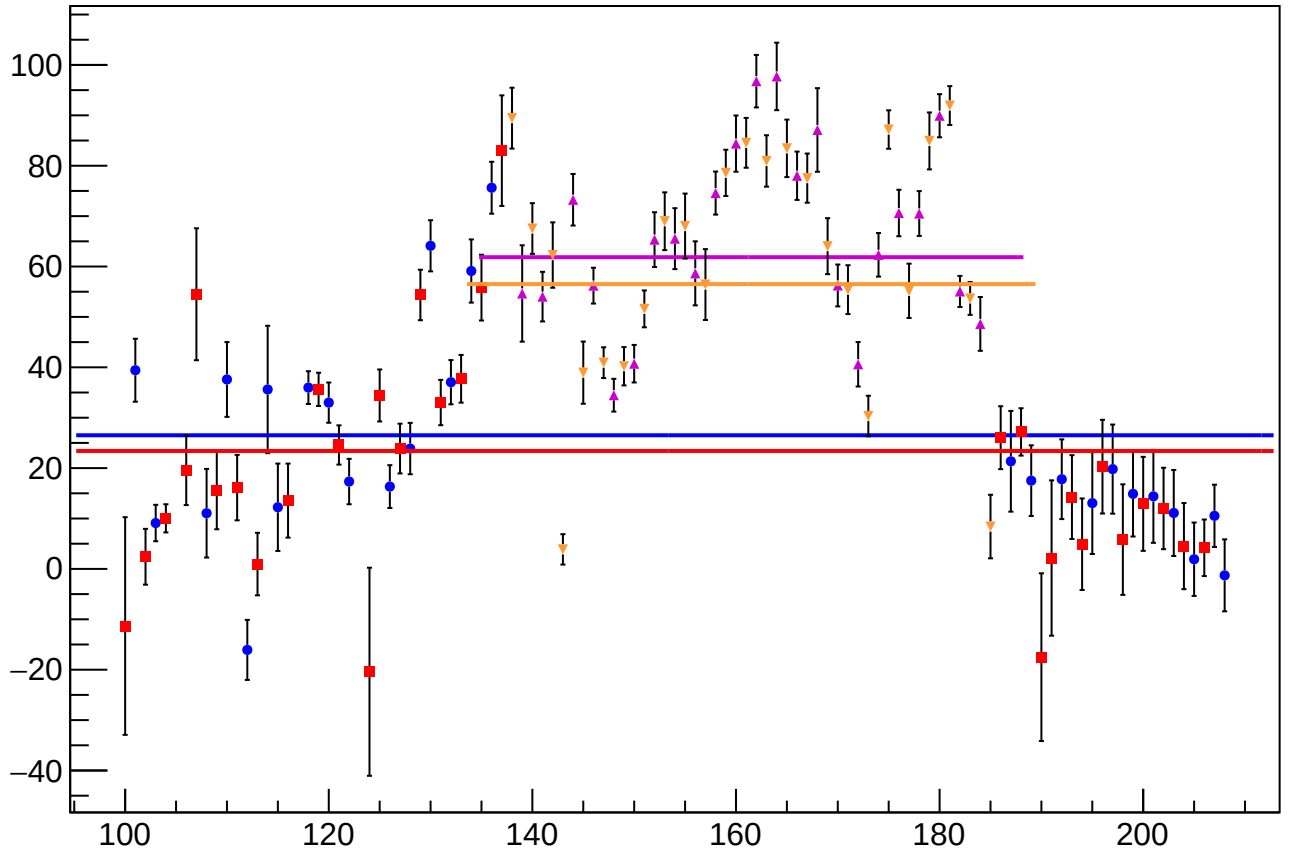
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 167.135+/-0.595 χ^2/NDF: 37361.3/57

In: 182.696+/-0.686 χ^2/NDF:21283.6/49

Out: 178.659+/-0.640 χ^2/NDF:30944.1/55

All: 180.537+/-0.468 χ^2/NDF: 52246.2/105



Right In: 26.517+/-1.112 χ^2/NDF: 332.7/26

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 23.399+/-1.068 χ^2/NDF: 228.7/30

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

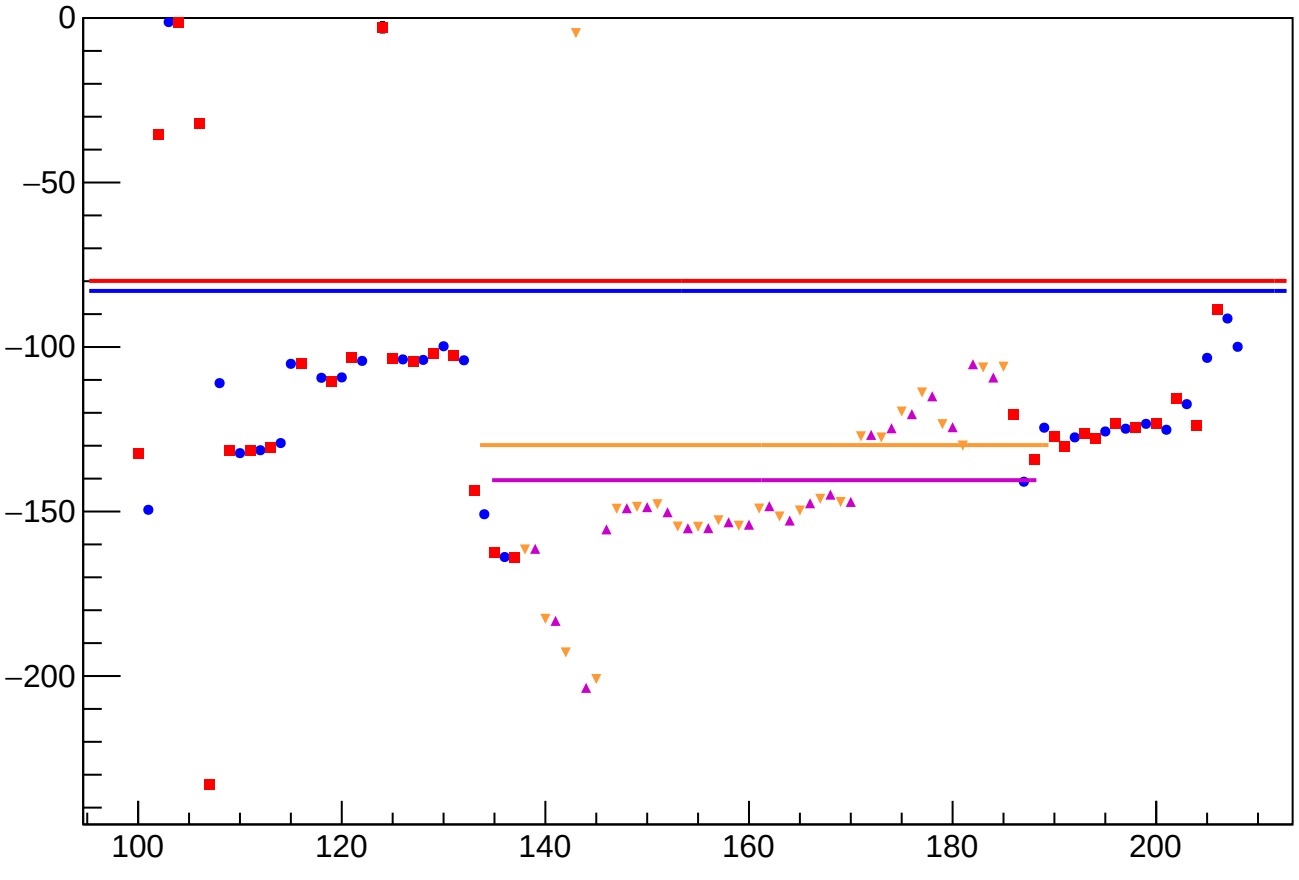
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 24.895+/-0.770 χ^2/NDF: 565.5/57

In: 46.738+/-0.727 χ^2/NDF:1231.1/49

Out: 42.600+/-0.692 χ^2/NDF:1585.2/55

All: 44.567+/-0.501 χ^2/NDF: 2833.3/105



Right In: -82.947+/-0.051 χ^2/NDF: 1300576.1/26

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.901+/-0.050 χ^2/NDF: 1255989.4/30

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

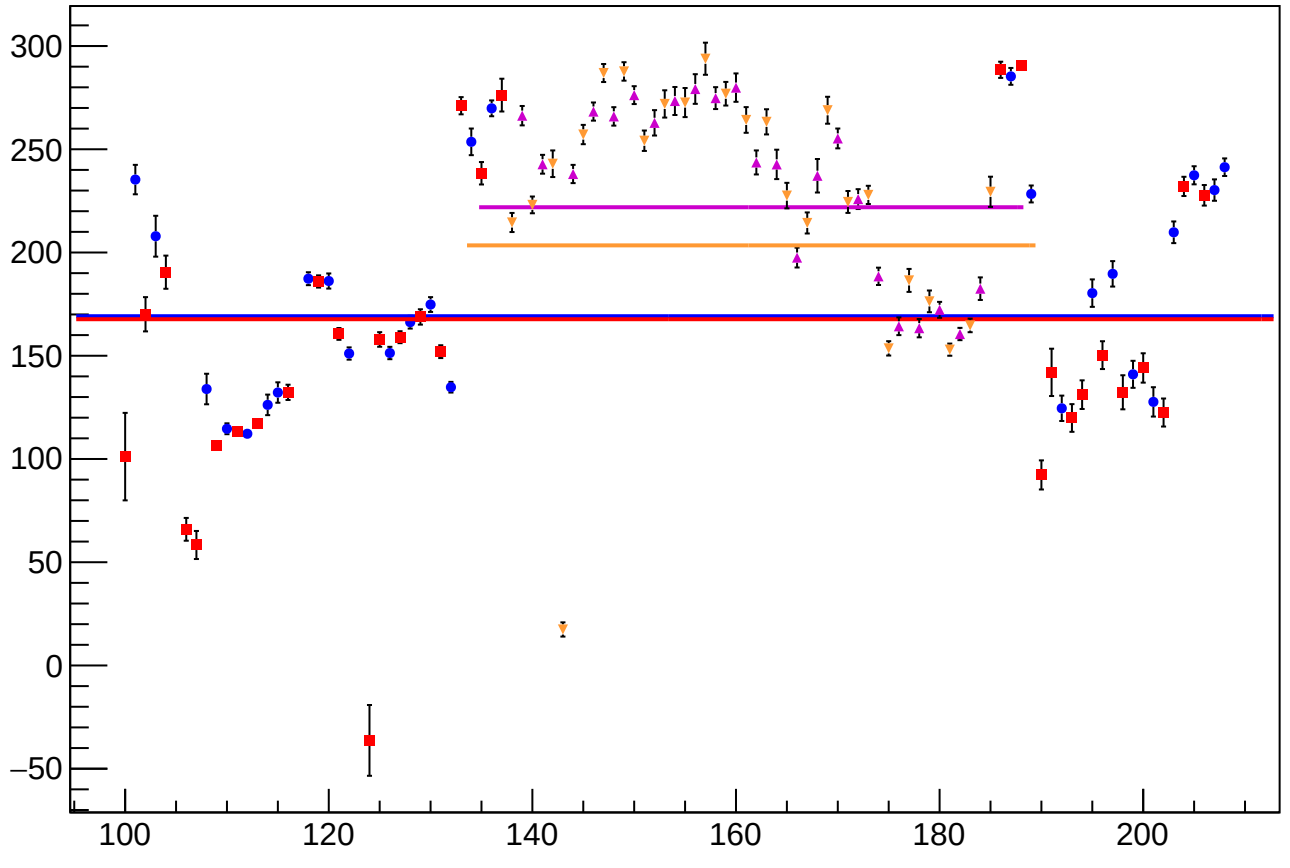
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -81.379+/-0.036 χ^2/NDF: 2558380.0/57

In: -116.313+/-0.033 χ^2/NDF:2284245.1/49

Out: -108.978+/-0.032 χ^2/NDF:2865961.0/55

All: -112.525+/-0.023 χ^2/NDF: 5175330.9/10



Right In: 169.143+/-0.758 χ^2/NDF: 4448.1/26

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.692+/-0.711 χ^2/NDF: 8443.2/30

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

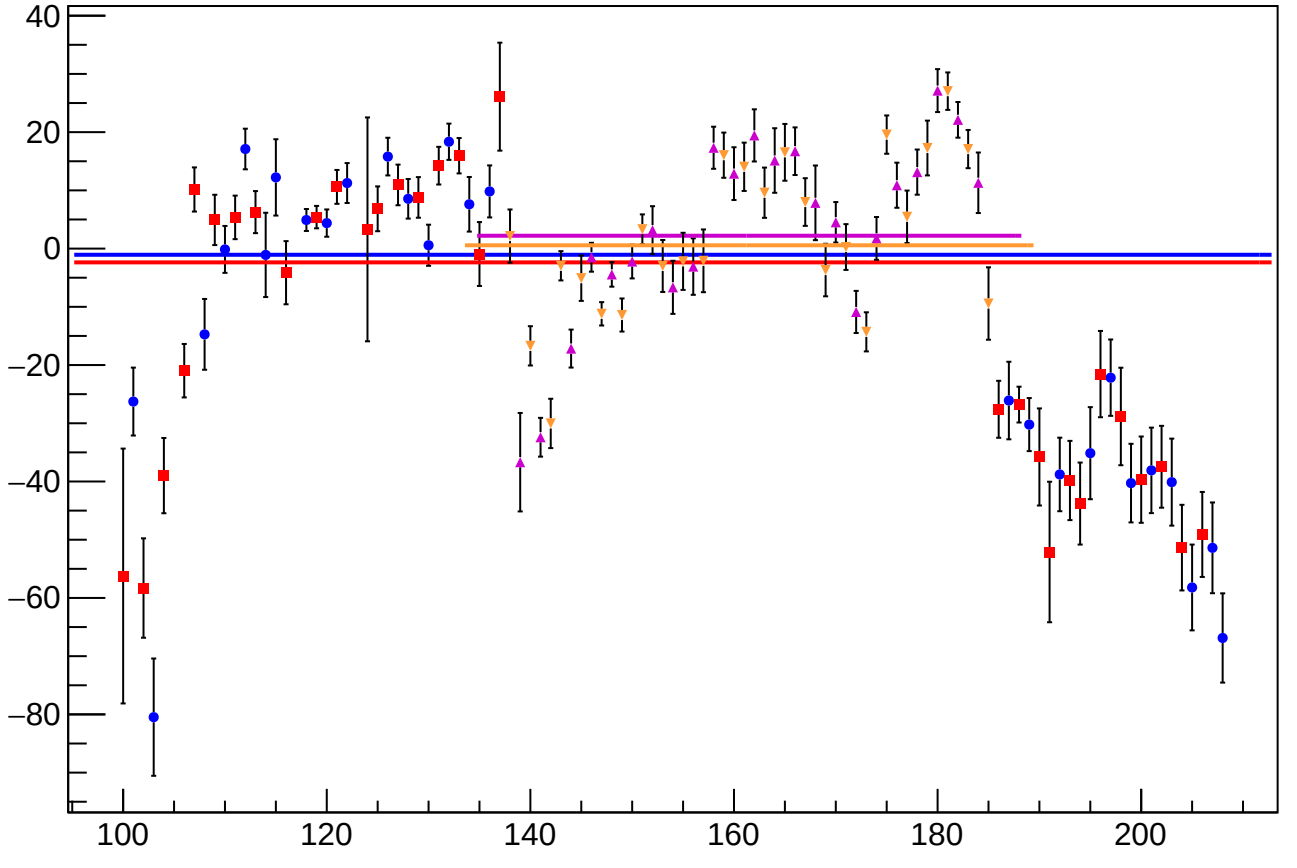
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 168.372+/-0.519 χ^2/NDF: 12893.2/57

In: 188.315+/-0.604 χ^2/NDF:8198.3/49

Out: 180.490+/-0.570 χ^2/NDF:14838.9/55

All: 184.174+/-0.415 χ^2/NDF: 23126.0/105



Right In: -1.059+/-0.814 χ^2/NDF: 611.0/26

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -2.367+/-0.795 χ^2/NDF: 600.4/30

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

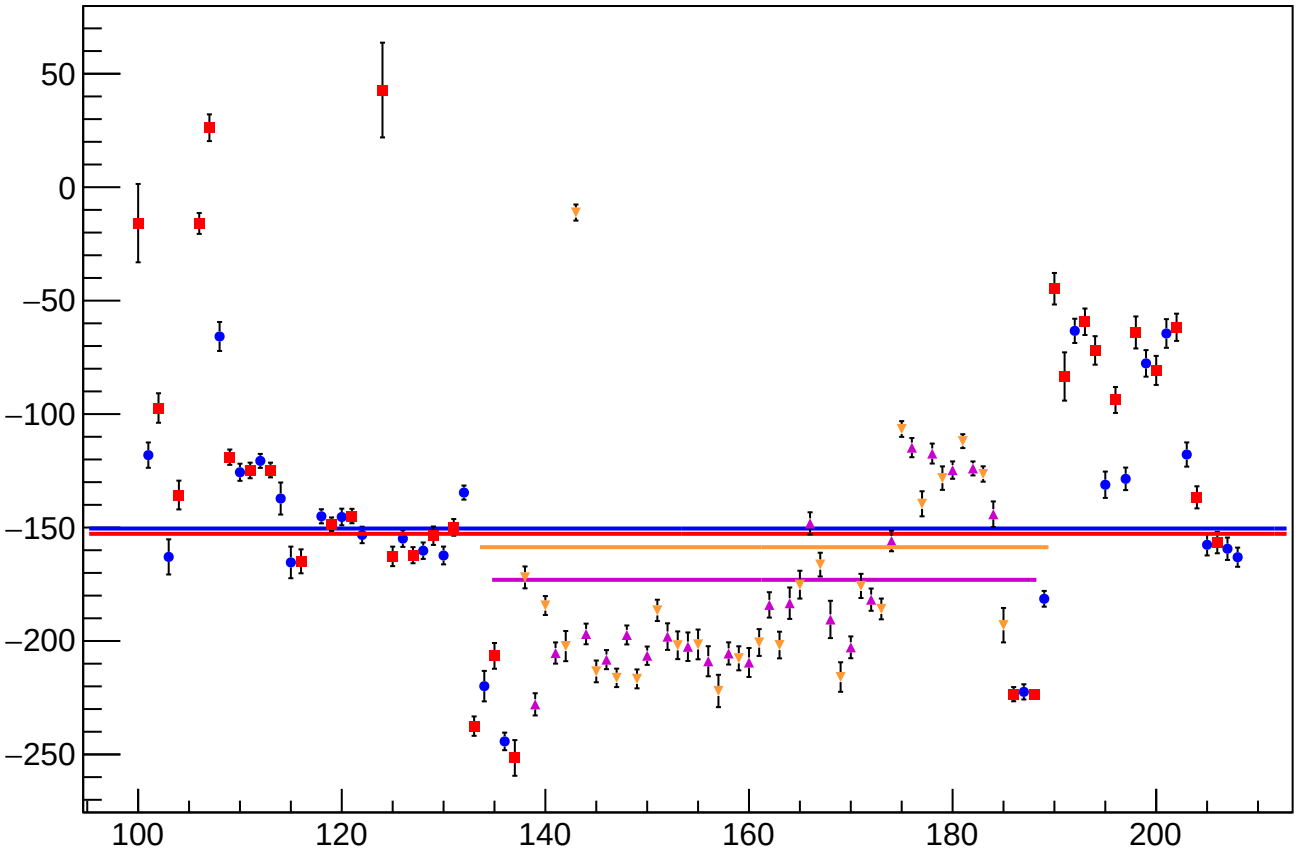
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -1.729+/-0.569 χ^2/NDF: 1212.7/57

In: 0.688+/-0.556 χ^2/NDF:977.7/49

Out: -0.746+/-0.532 χ^2/NDF:953.4/55

All: -0.061+/-0.384 χ^2/NDF: 1934.6/105



Right In: -150.432+/-0.828 χ^2/NDF: 2328.6/26

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.768+/-0.764 χ^2/NDF: 6414.7/30

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

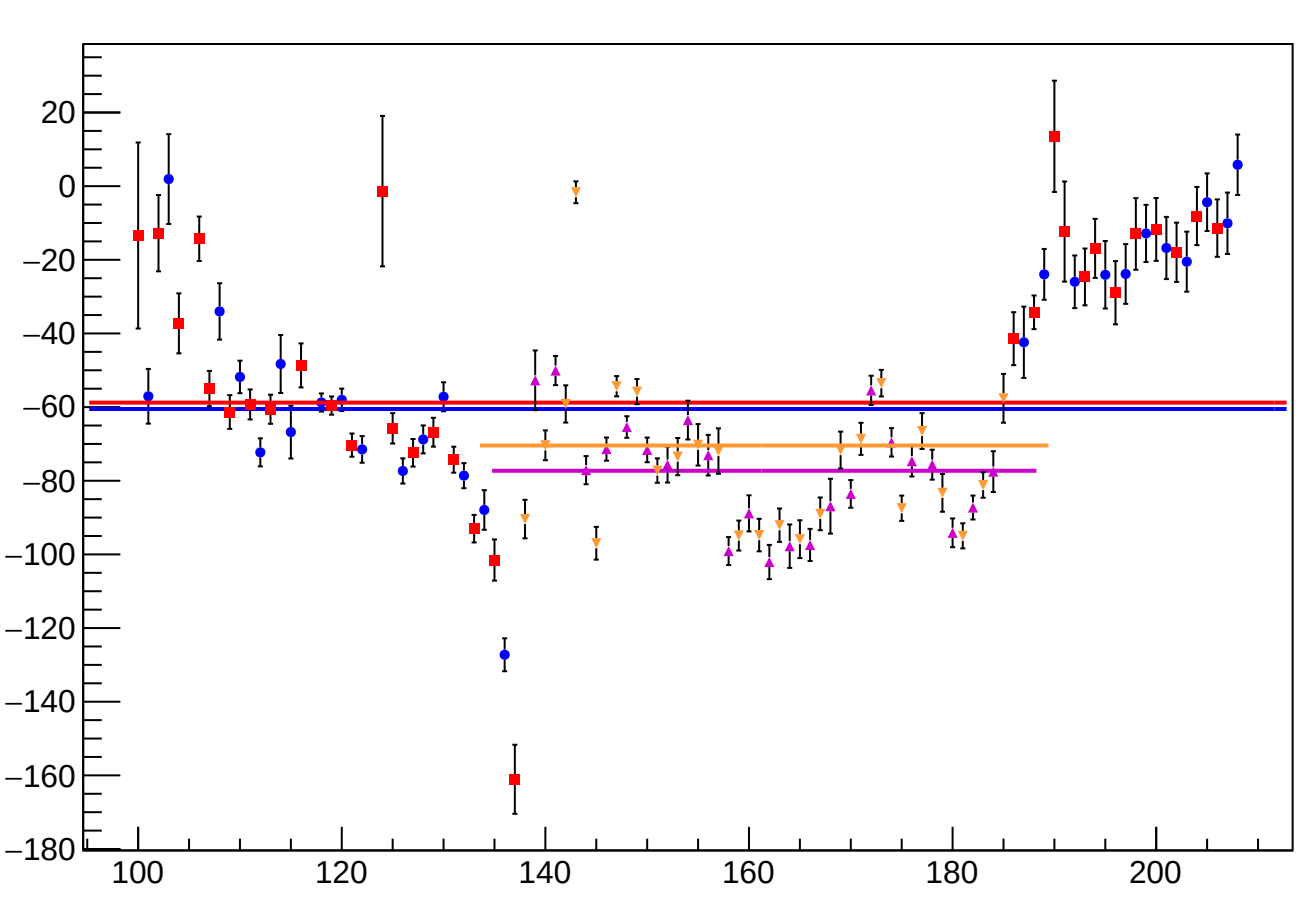
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.693+/-0.561 χ^2/NDF: 8747.6/57

In: -159.673+/-0.636 χ^2/NDF:4033.5/49

Out: -155.081+/-0.596 χ^2/NDF:9929.8/55

All: -157.225+/-0.435 χ^2/NDF: 13991.1/105



Right In: -60.515+/-0.951 χ^2/NDF: 705.2/26

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -58.784+/-0.933 χ^2/NDF: 695.1/30

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

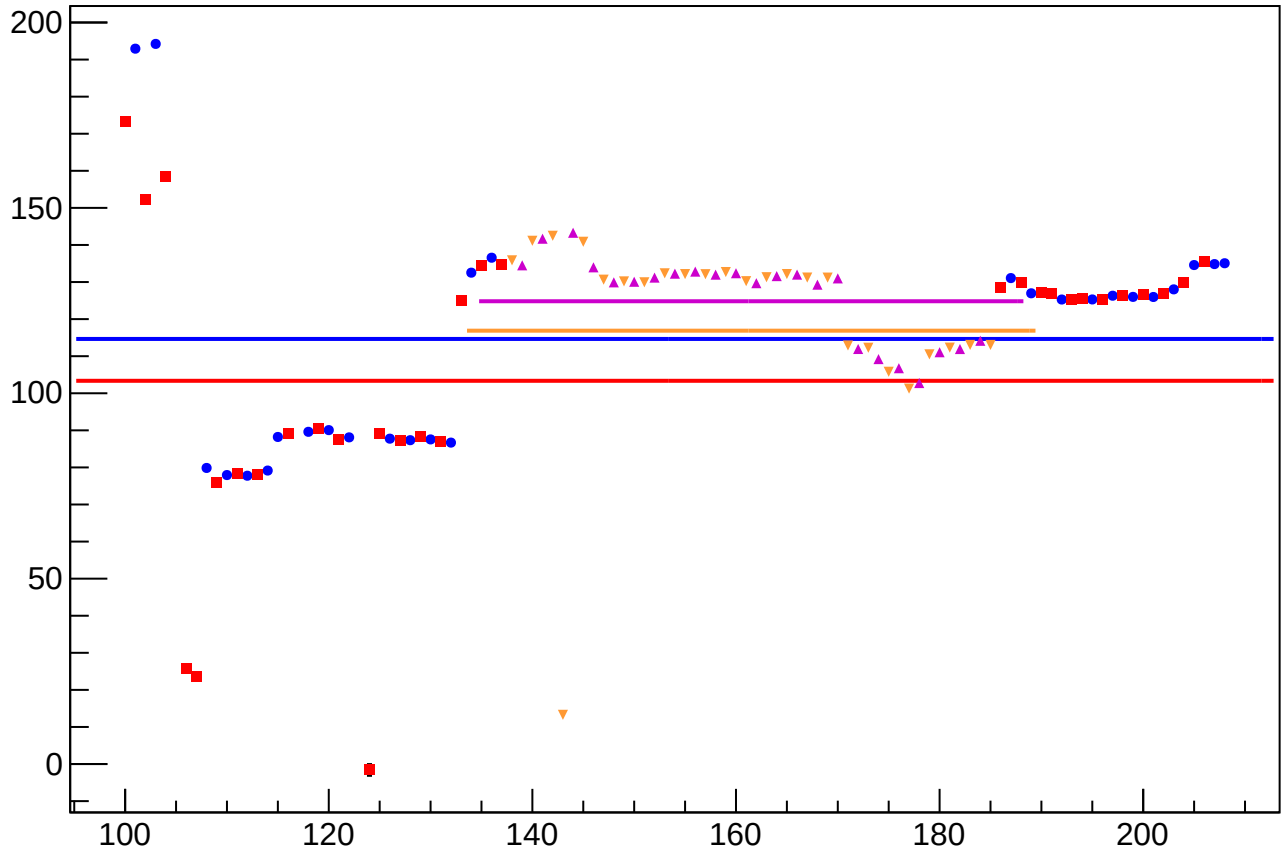
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -59.633+/-0.666 χ^2/NDF: 1401.9/57

In: -69.684+/-0.640 χ^2/NDF:1129.6/49

Out: -65.344+/-0.616 χ^2/NDF:1684.5/55

All: -67.432+/-0.444 χ^2/NDF: 2837.9/105



Right In: 114.651+/-0.055 χ^2/NDF: 281331.2/26

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 103.364+/-0.051 χ^2/NDF: 520775.2/30

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

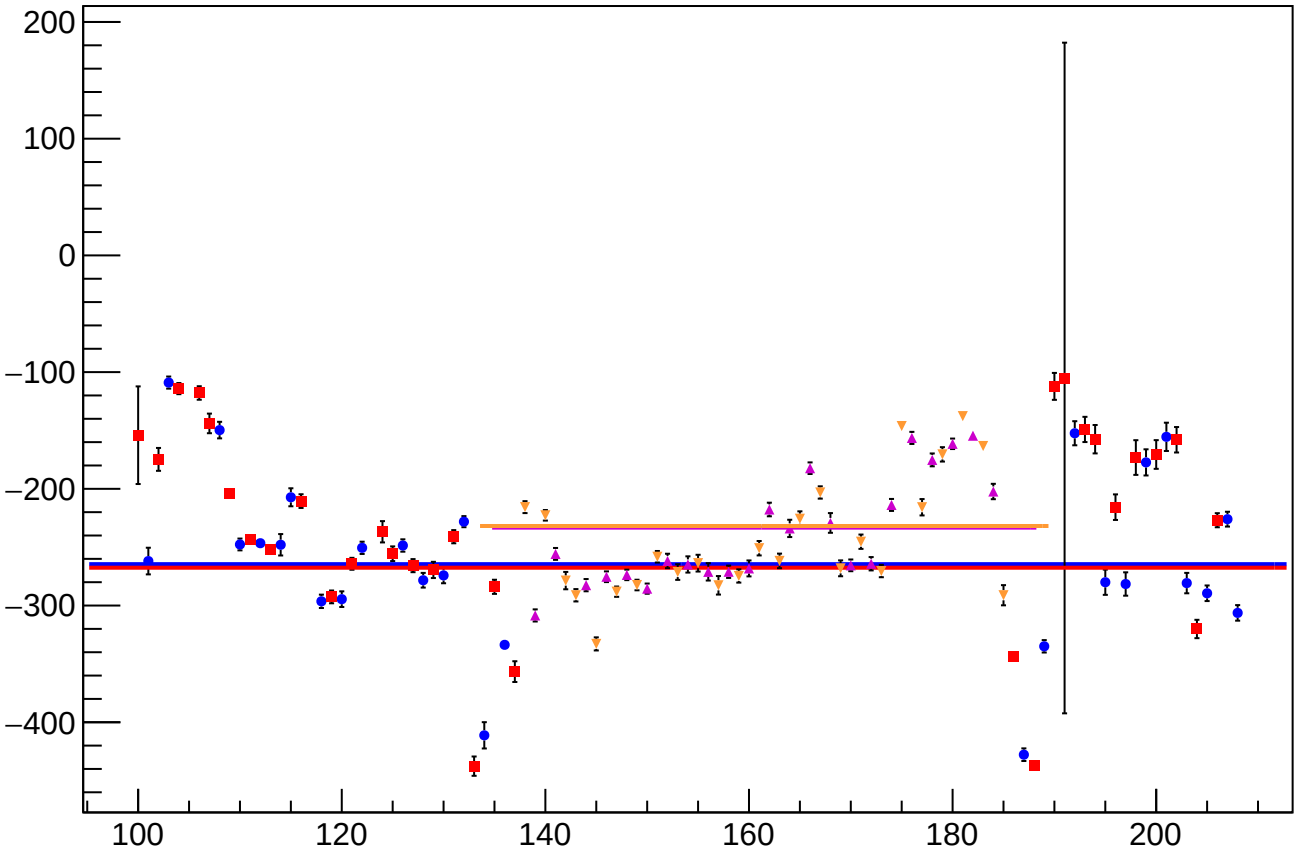
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 108.627+/-0.037 χ^2/NDF: 824859.2/57

In: 121.351+/-0.032 χ^2/NDF:392244.1/49

Out: 112.051+/-0.031 χ^2/NDF:1188861.5/55

All: 116.495+/-0.022 χ^2/NDF: 1625412.2/105



Right In: -264.536+/-1.214 χ^2/NDF: 3270.5/26

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.597+/-1.092 χ^2/NDF: 7508.3/30

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

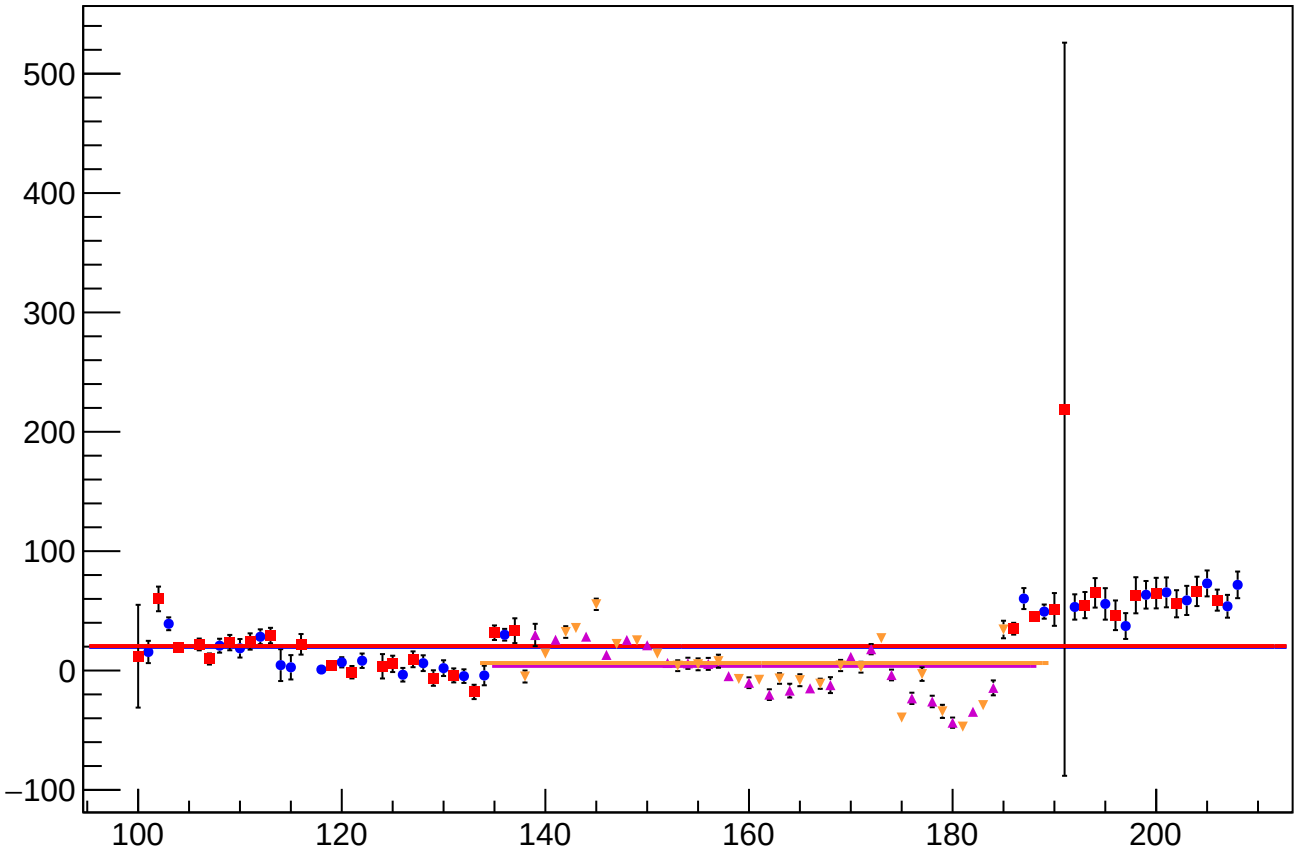
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -266.227+/-0.812 χ^2/NDF: 10782.3/57

In: -247.466+/-0.818 χ^2/NDF:5699.7/49

Out: -249.521+/-0.768 χ^2/NDF:10726.4/55

All: -248.558+/-0.560 χ^2/NDF: 16429.5/105



Right In: 19.808+/-1.319 χ^2/NDF: 283.7/26

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 20.523+/-1.193 χ^2/NDF: 294.7/30

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

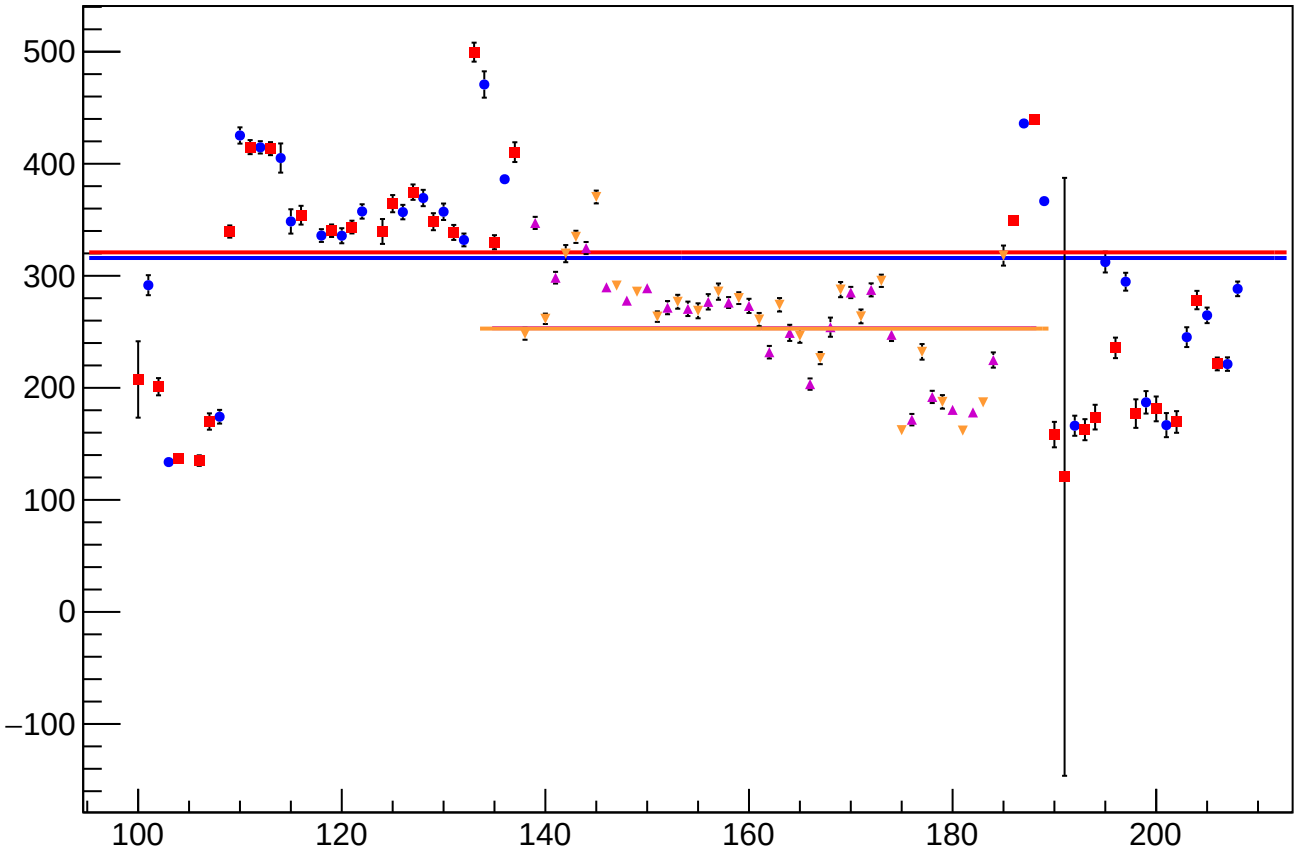
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 20.202+/-0.885 χ^2/NDF: 578.6/57

In: 8.326+/-0.695 χ^2/NDF:1039.0/49

Out: 10.620+/-0.658 χ^2/NDF:1265.2/55

All: 9.536+/-0.478 χ^2/NDF: 2309.9/105



Right In: 315.879+/-1.248 χ^2/NDF: 5682.7/26

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 320.919+/-1.086 χ^2/NDF: 10091.3/30

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

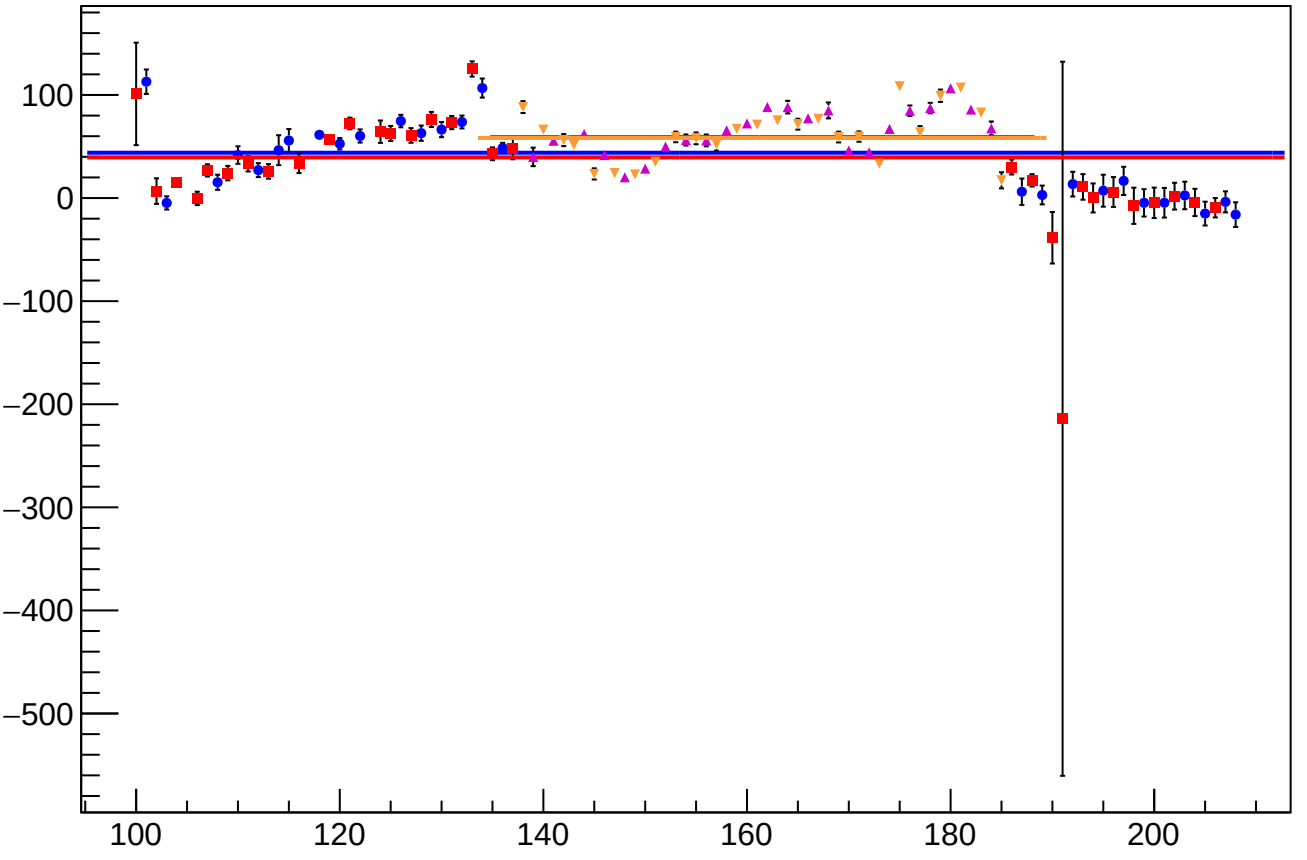
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 318.747+/-0.820 χ^2/NDF: 15783.3/57

In: 280.434+/-0.823 χ^2/NDF:9166.7/49

Out: 286.402+/-0.762 χ^2/NDF:14660.2/55

All: 283.644+/-0.559 χ^2/NDF: 23855.1/105



Right In: 43.977+/-1.541 χ^2/NDF: 401.2/26

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 39.451+/-1.430 χ^2/NDF: 452.5/30

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

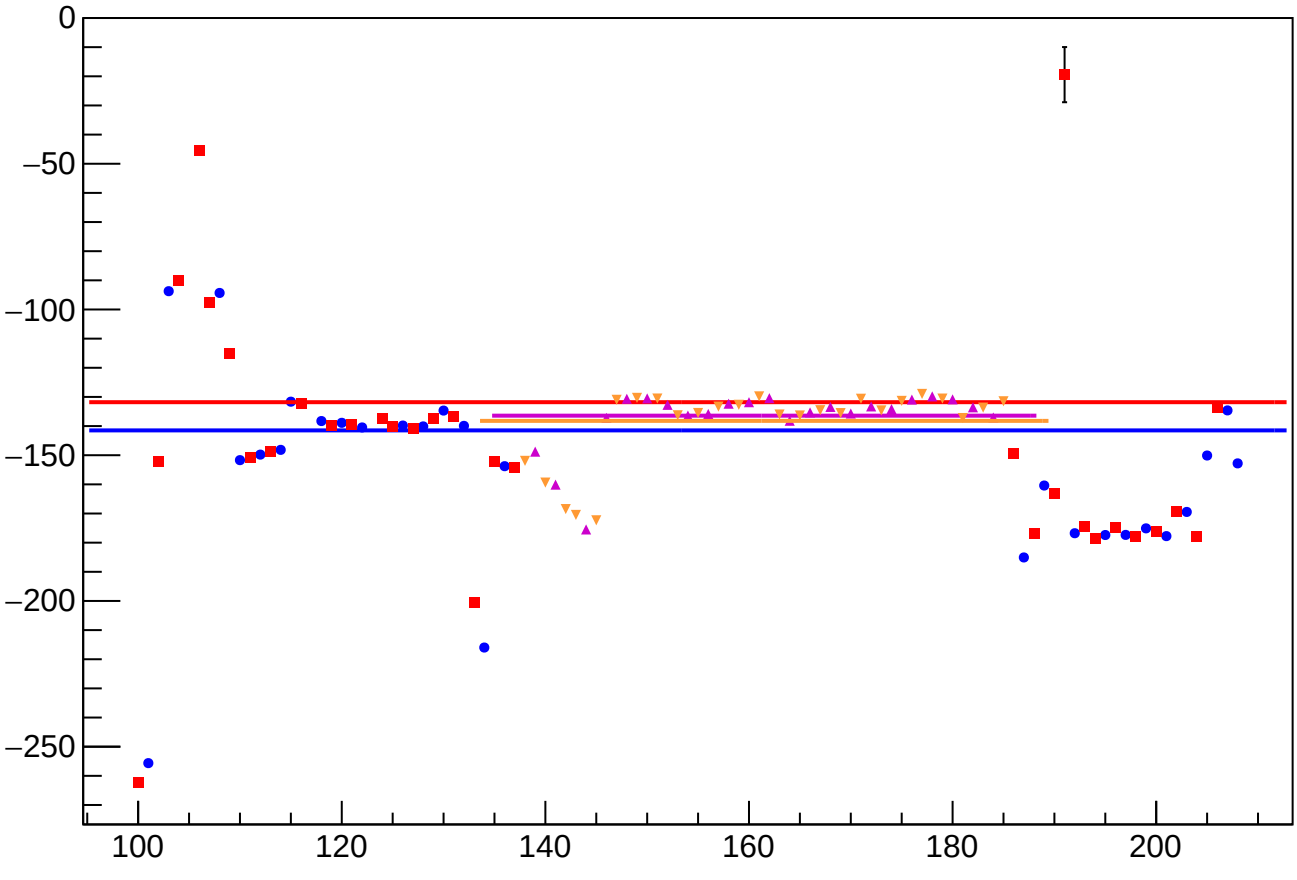
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 41.545+/-1.048 χ^2/NDF: 858.4/57

In: 55.045+/-0.801 χ^2/NDF:1104.4/49

Out: 52.858+/-0.769 χ^2/NDF:1426.4/55

All: 53.906+/-0.555 χ^2/NDF: 2534.7/105



Right In: -141.483+/-0.075 χ^2/NDF: 235362.6/26

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.805+/-0.071 χ^2/NDF: 332768.4/30

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

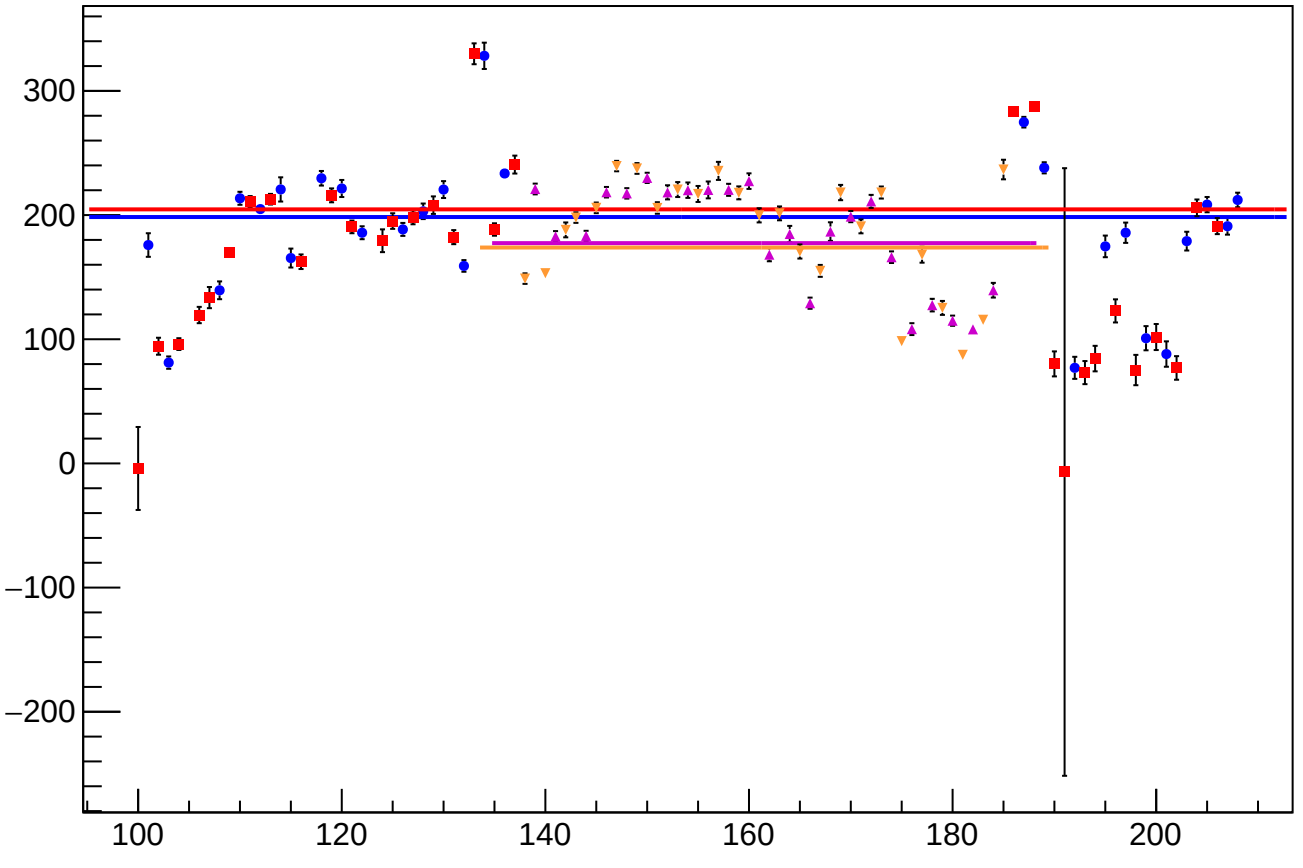
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -136.383+/-0.052 χ^2/NDF: 576811.0/57

In: -137.663+/-0.037 χ^2/NDF:288550.7/49

Out: -136.542+/-0.037 χ^2/NDF:420547.2/55

All: -137.091+/-0.026 χ^2/NDF: 709559.9/105



Right In: 198.422+/-1.143 χ^2/NDF: 1869.0/26

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.599+/-1.026 χ^2/NDF: 4197.8/30

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

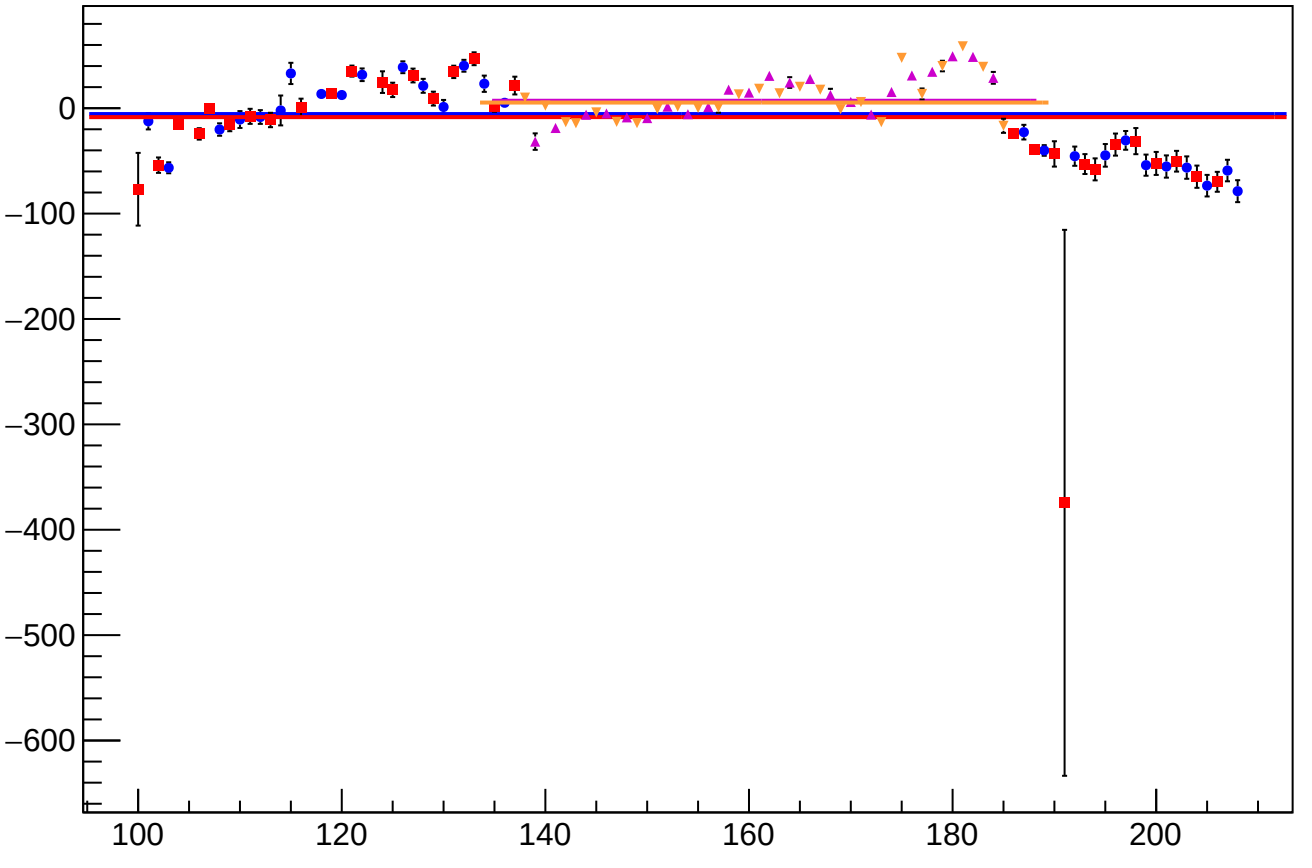
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 201.843+/-0.764 χ^2/NDF: 6082.9/57

In: 186.467+/-0.751 χ^2/NDF:4024.2/49

Out: 188.239+/-0.702 χ^2/NDF:7302.8/55

All: 187.413+/-0.513 χ^2/NDF: 11330.0/105



Right In: -5.551+/-1.260 χ^2/NDF: 651.8/26

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -8.467+/-1.138 χ^2/NDF: 661.7/30

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

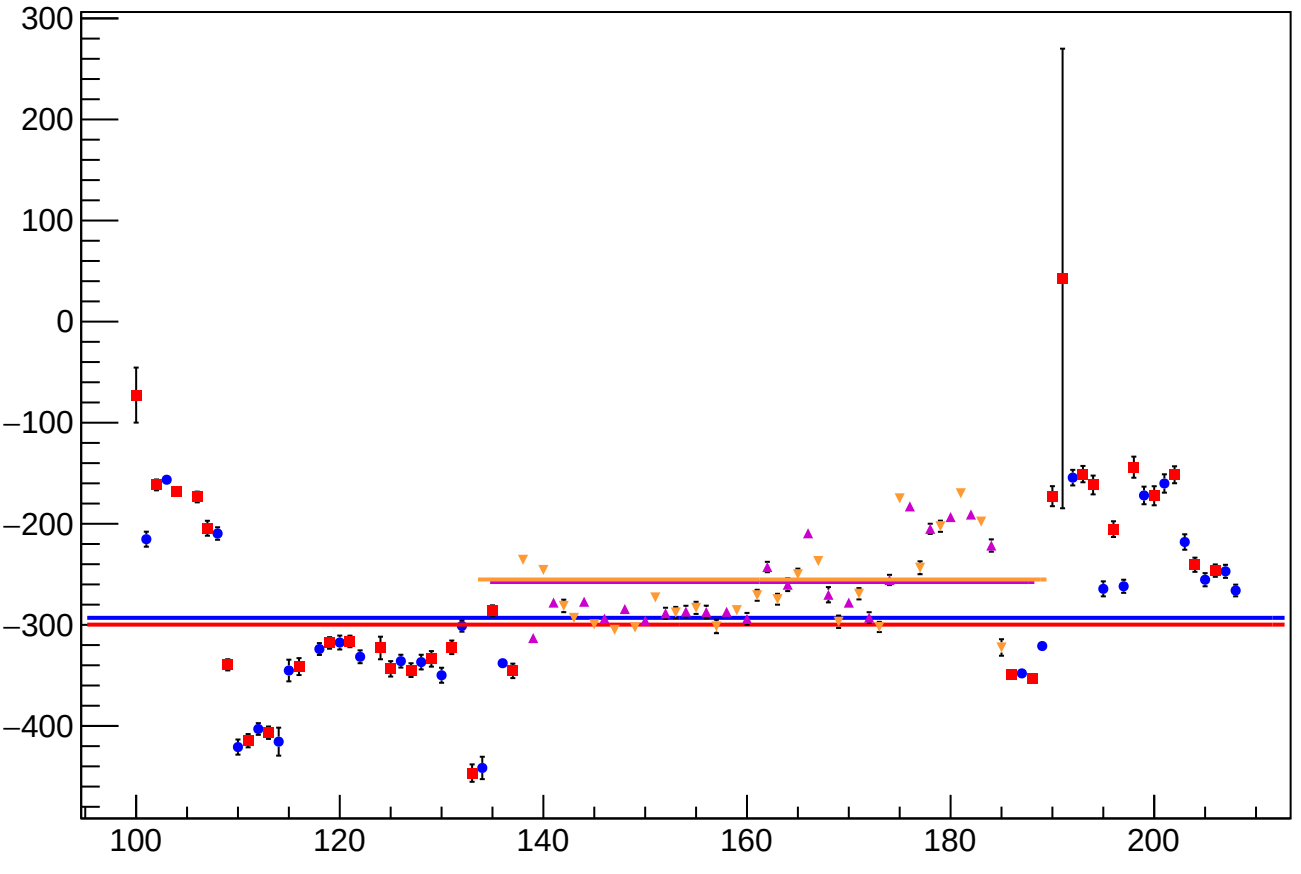
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -7.158+/-0.844 χ^2/NDF: 1316.4/57

In: 3.818+/-0.639 χ^2/NDF:1435.9/49

Out: 1.482+/-0.603 χ^2/NDF:1578.0/55

All: 2.582+/-0.438 χ^2/NDF: 3020.9/105



Right In: -293.049+/-1.148 χ^2/NDF: 4101.4/26

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.763+/-0.991 χ^2/NDF: 6702.8/30

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

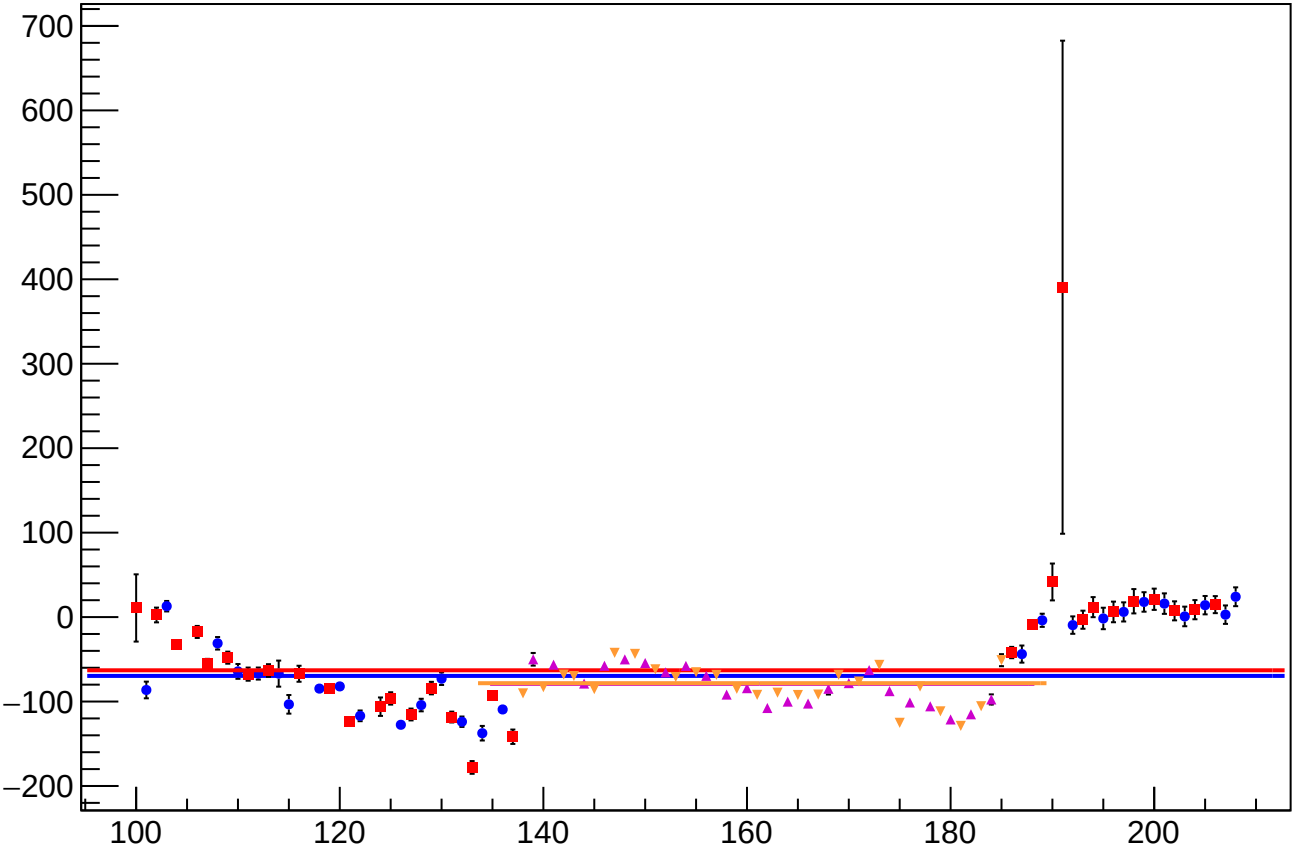
Right: -296.897+/-0.750 χ^2/NDF: 10823.8/57

In: -272.622+/-0.748 χ^2/NDF:6458.6/49

Out: -276.647+/-0.688 χ^2/NDF:10098.3/55

All: -274.801+/-0.506 χ^2/NDF: 16572.5/105

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -69.650+/-1.472 χ^2/NDF: 1139.9/26

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -63.003+/-1.370 χ^2/NDF: 1288.7/30

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

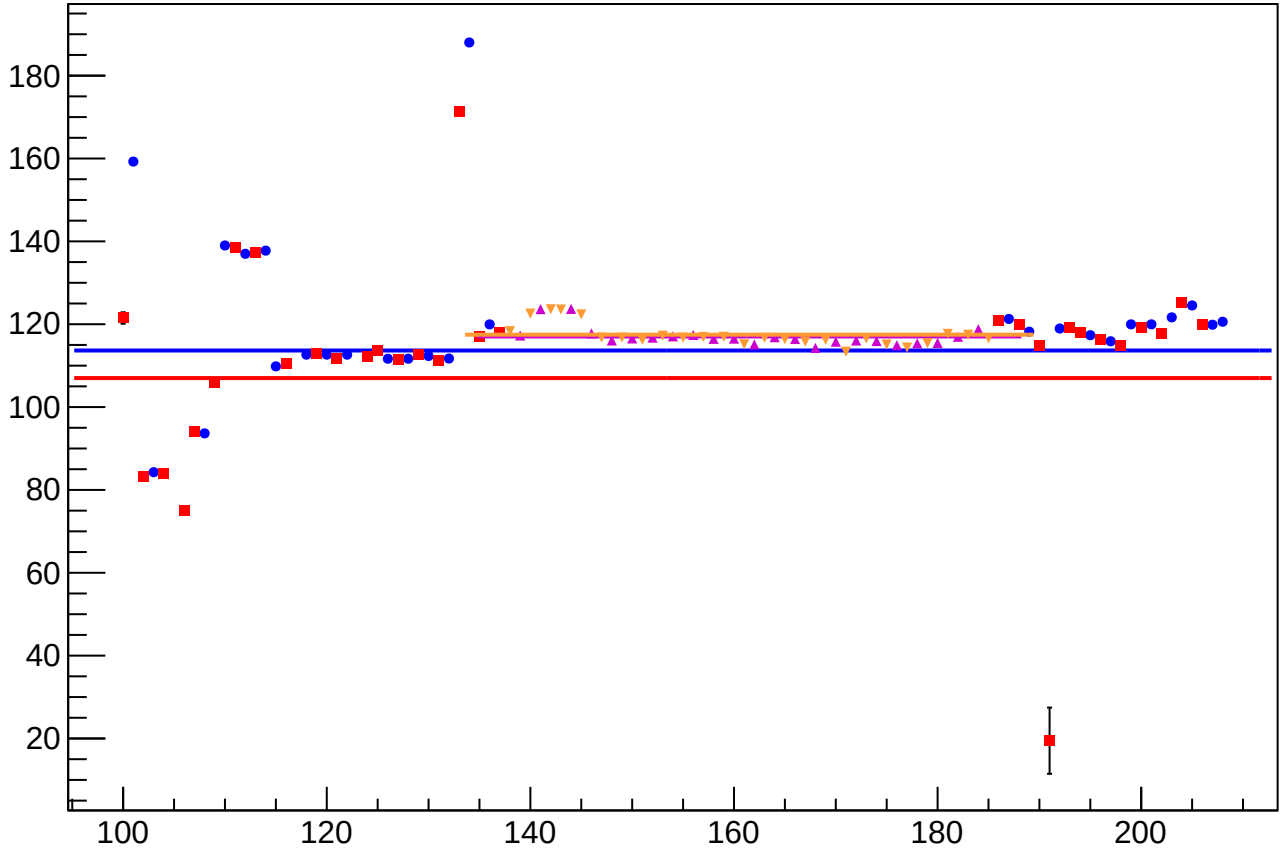
Right: -66.087+/-1.003 χ^2/NDF: 2439.5/57

In: -76.717+/-0.735 χ^2/NDF:1873.2/49

Out: -74.269+/-0.703 χ^2/NDF:2248.6/55

All: -75.438+/-0.508 χ^2/NDF: 4127.7/105

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 113.656+/-0.070 χ^2/NDF: 87403.0/26

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.001+/-0.066 χ^2/NDF: 79025.3/30

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

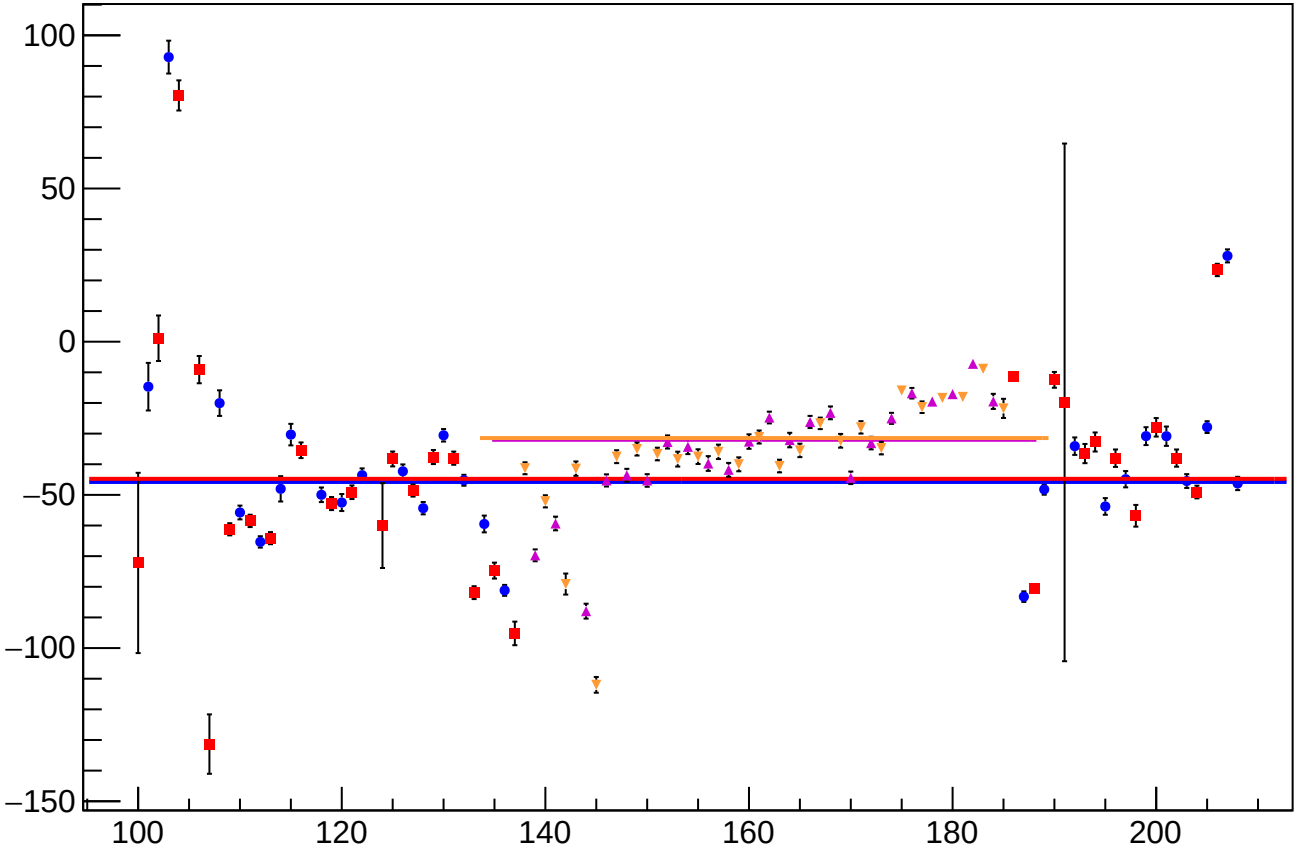
Right: 110.136+/-0.048 χ^2/NDF: 171241.3/57

In: 116.251+/-0.034 χ^2/NDF:92553.4/49

Out: 114.859+/-0.033 χ^2/NDF:102751.4/55

All: 115.537+/-0.024 χ^2/NDF: 196176.6/105

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -45.777+/-0.453 χ^2/NDF: 3204.5/26

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -44.762+/-0.412 χ^2/NDF: 5386.4/30

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

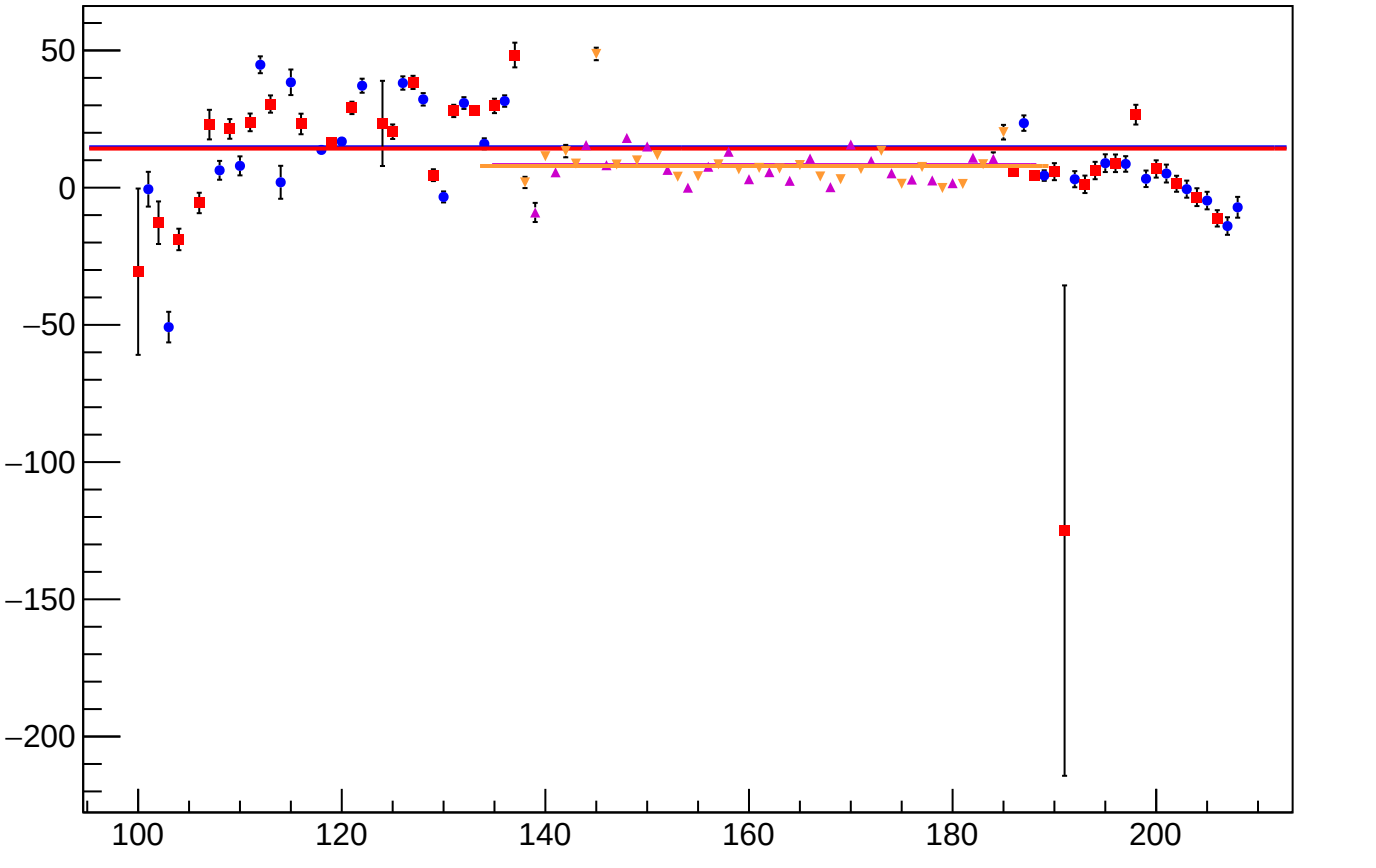
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -45.221+/-0.305 χ^2/NDF: 8593.6/57

In: -38.197+/-0.304 χ^2/NDF:5626.2/49

Out: -37.898+/-0.286 χ^2/NDF:7917.8/55

All: -38.039+/-0.208 χ^2/NDF: 13544.5/105



Right In: 14.715+/-0.502 χ^2/NDF: 972.5/26

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.238+/-0.466 χ^2/NDF: 812.8/30

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

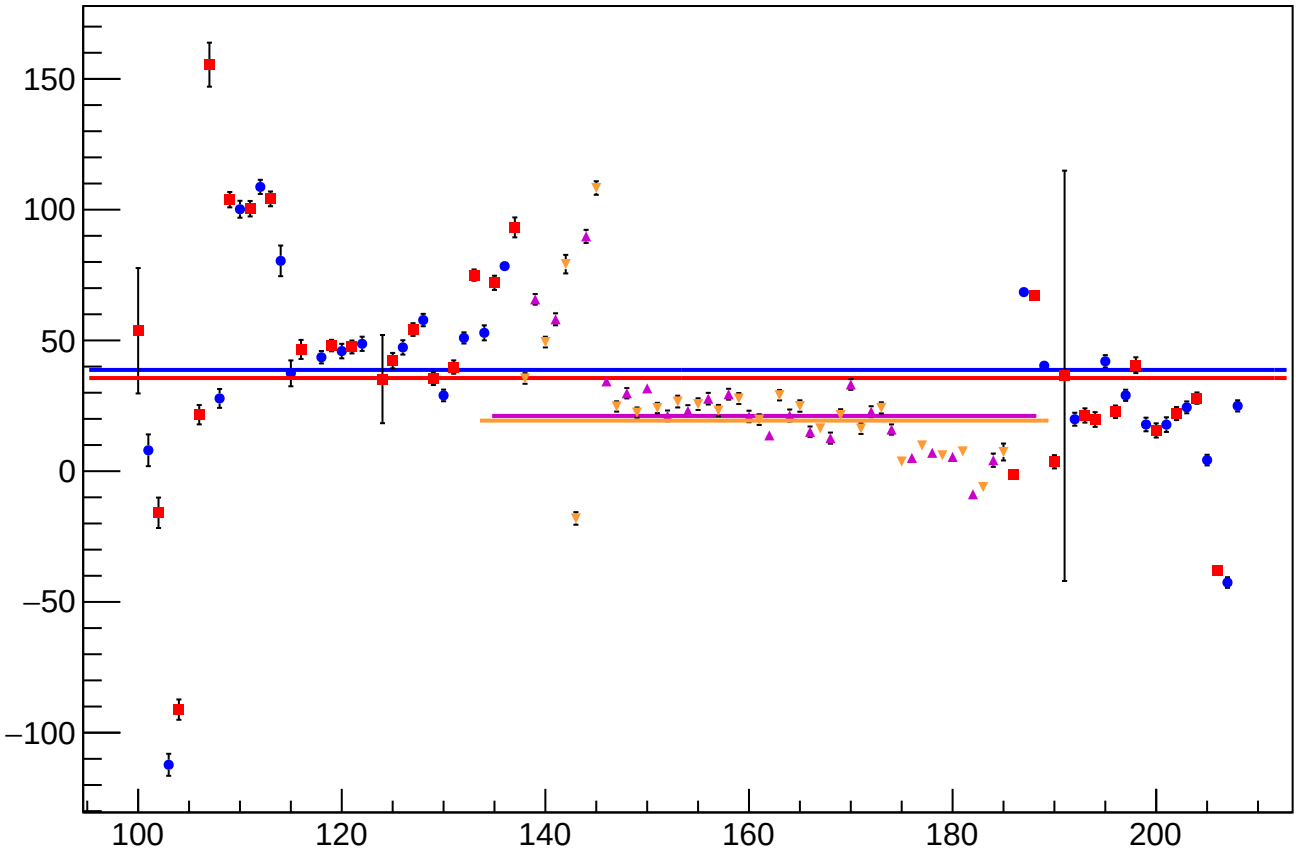
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 14.459+/-0.341 χ^2/NDF: 1785.8/57

In: 10.064+/-0.267 χ^2/NDF:1431.4/49

Out: 9.790+/-0.255 χ^2/NDF:1433.3/55

All: 9.920+/-0.184 χ^2/NDF: 2865.2/105



Right In: 38.725+/-0.459 χ^2/NDF: 5670.9/26

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.615+/-0.394 χ^2/NDF: 9108.5/30

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

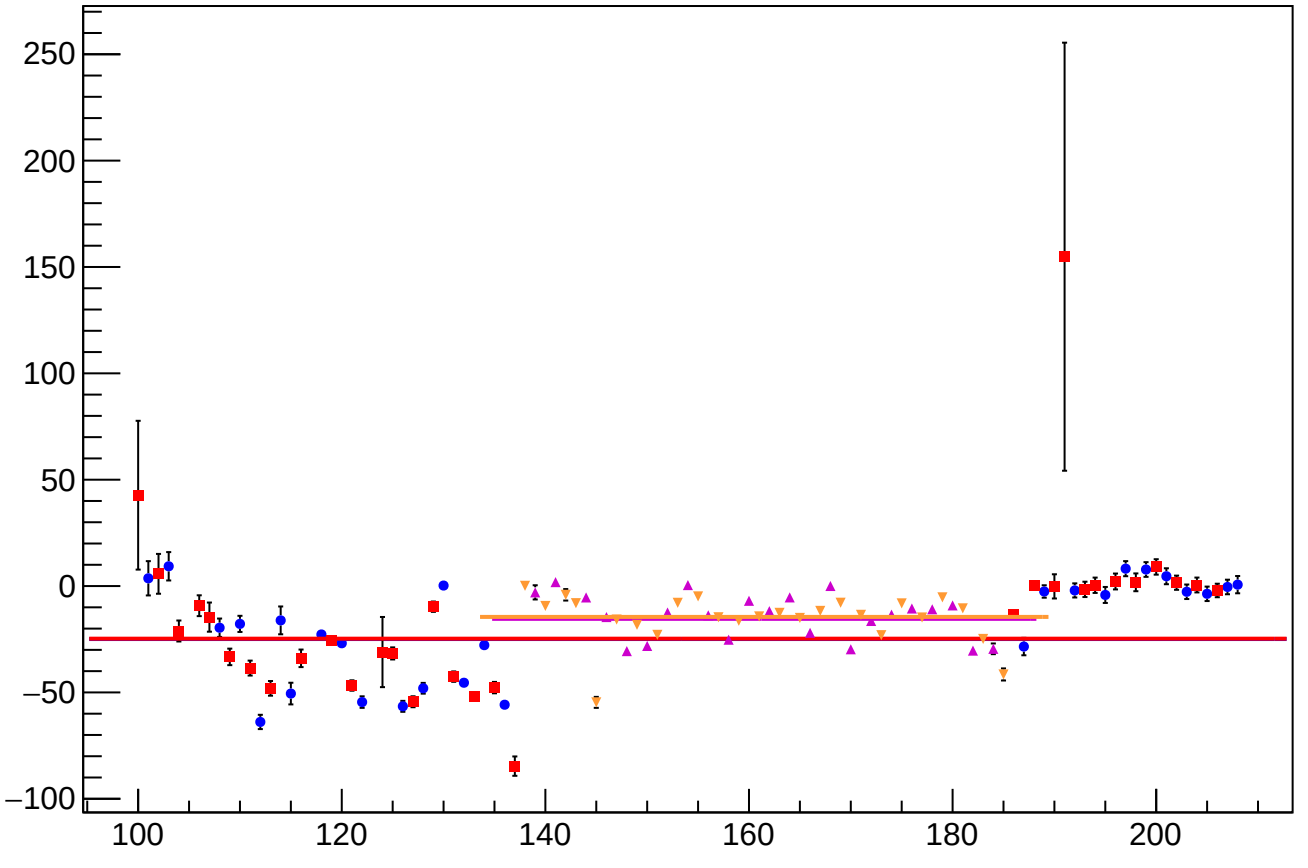
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.936+/-0.299 χ^2/NDF: 14805.8/57

In: 28.830+/-0.303 χ^2/NDF:9003.5/49

Out: 27.507+/-0.279 χ^2/NDF:12640.5/55

All: 28.114+/-0.205 χ^2/NDF: 21654.3/105



Right In: -24.904+/-0.584 χ^2/NDF: 1533.5/26

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -24.739+/-0.565 χ^2/NDF: 1505.6/30

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

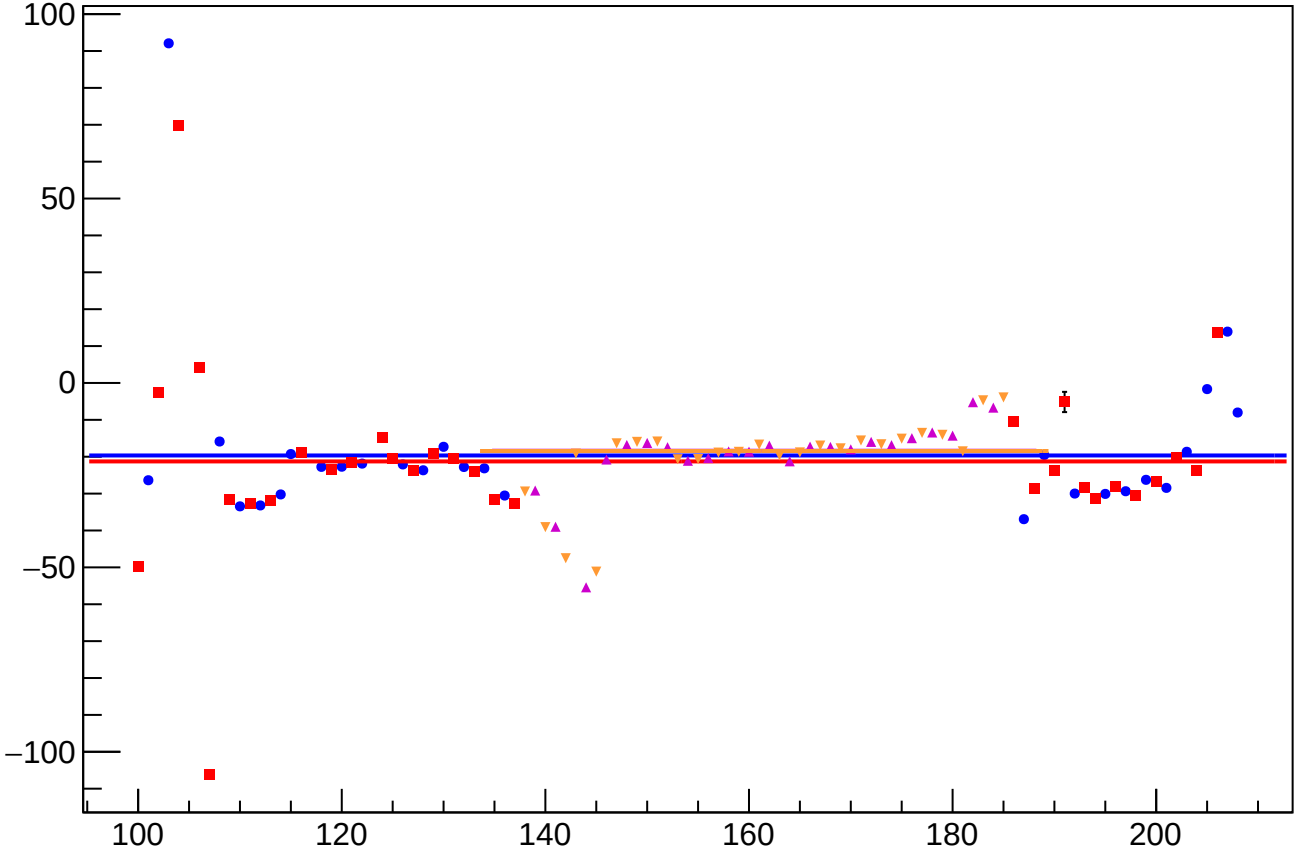
Right: -24.819+/-0.406 χ^2/NDF: 3039.1/57

In: -17.980+/-0.304 χ^2/NDF:2524.8/49

Out: -17.273+/-0.294 χ^2/NDF:2386.3/55

All: -17.615+/-0.211 χ^2/NDF: 4913.9/105

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.660+/-0.028 χ^2/NDF: 554909.0/26

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -21.274+/-0.028 χ^2/NDF: 466225.8/30

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

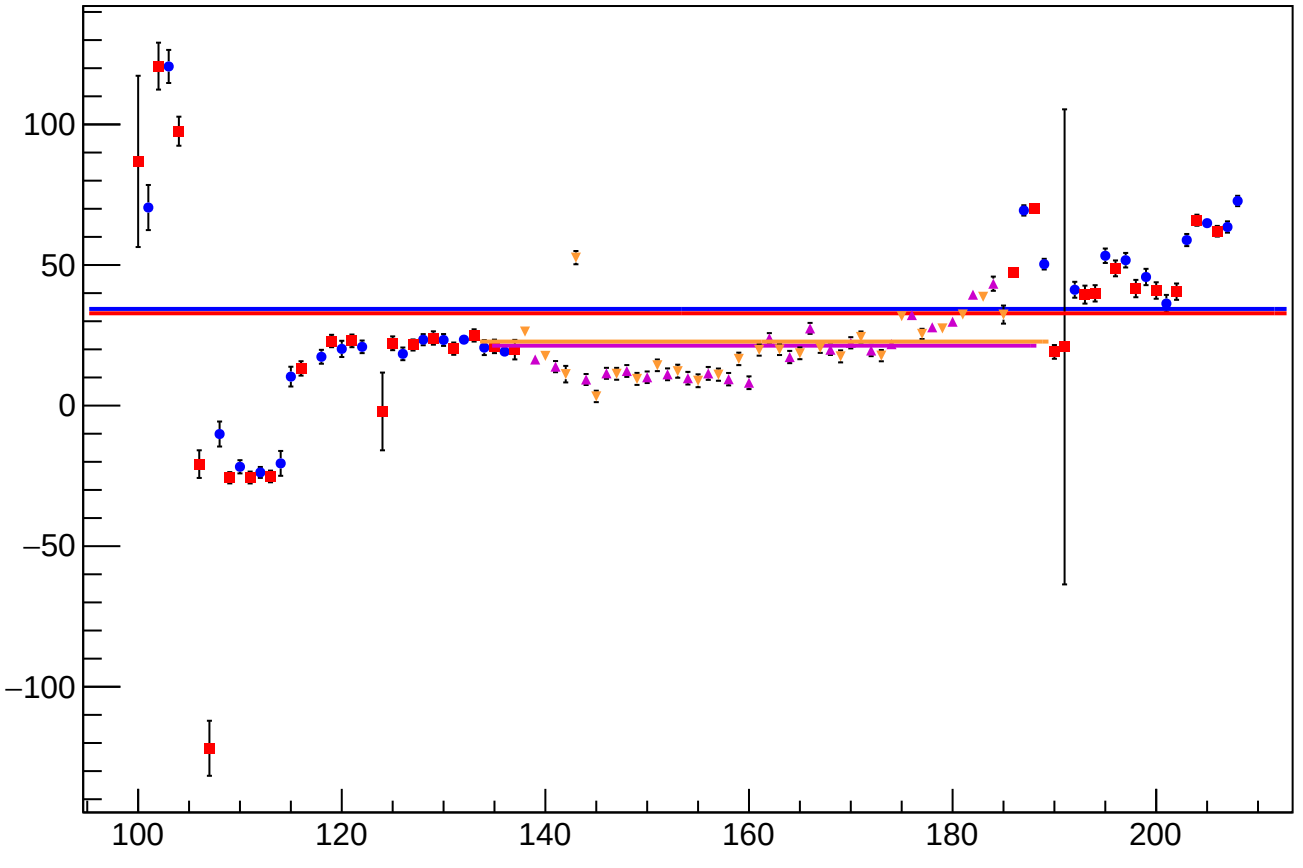
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -20.475+/-0.020 χ^2/NDF: 1022775.8/57

In: -18.681+/-0.014 χ^2/NDF:806513.8/49

Out: -19.110+/-0.014 χ^2/NDF:769361.8/55

All: -18.899+/-0.010 χ^2/NDF: 1576368.4/105



Right In: 34.381+/-0.450 χ^2/NDF: 3982.1/26

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 32.828+/-0.426 χ^2/NDF: 5230.4/30

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

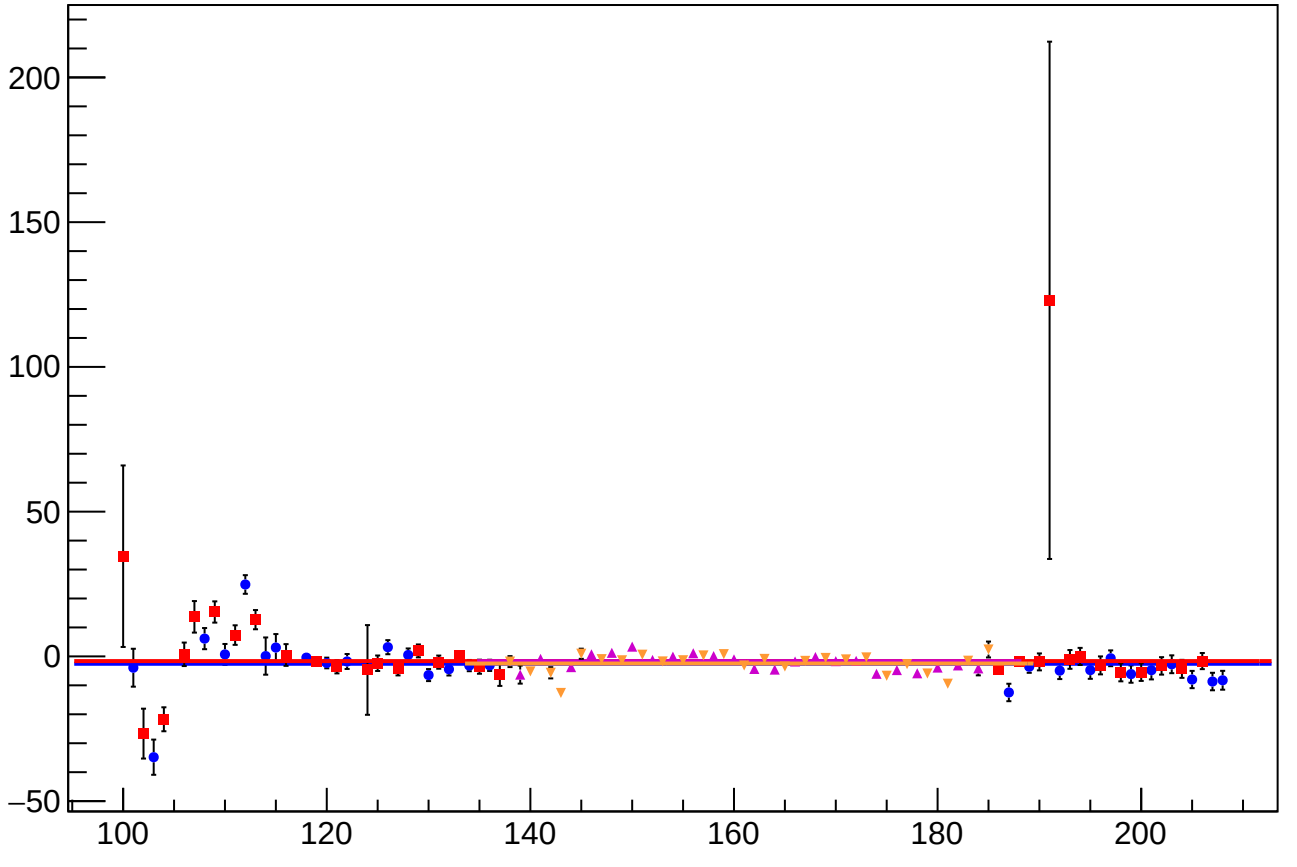
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 33.562+/-0.309 χ^2/NDF: 9218.8/57

In: 26.970+/-0.296 χ^2/NDF:5089.8/49

Out: 27.256+/-0.285 χ^2/NDF:6261.8/55

All: 27.119+/-0.205 χ^2/NDF: 11352.1/105



Right In: -2.547+/-0.504 χ^2/NDF: 147.8/26

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.625+/-0.482 χ^2/NDF: 106.4/30

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

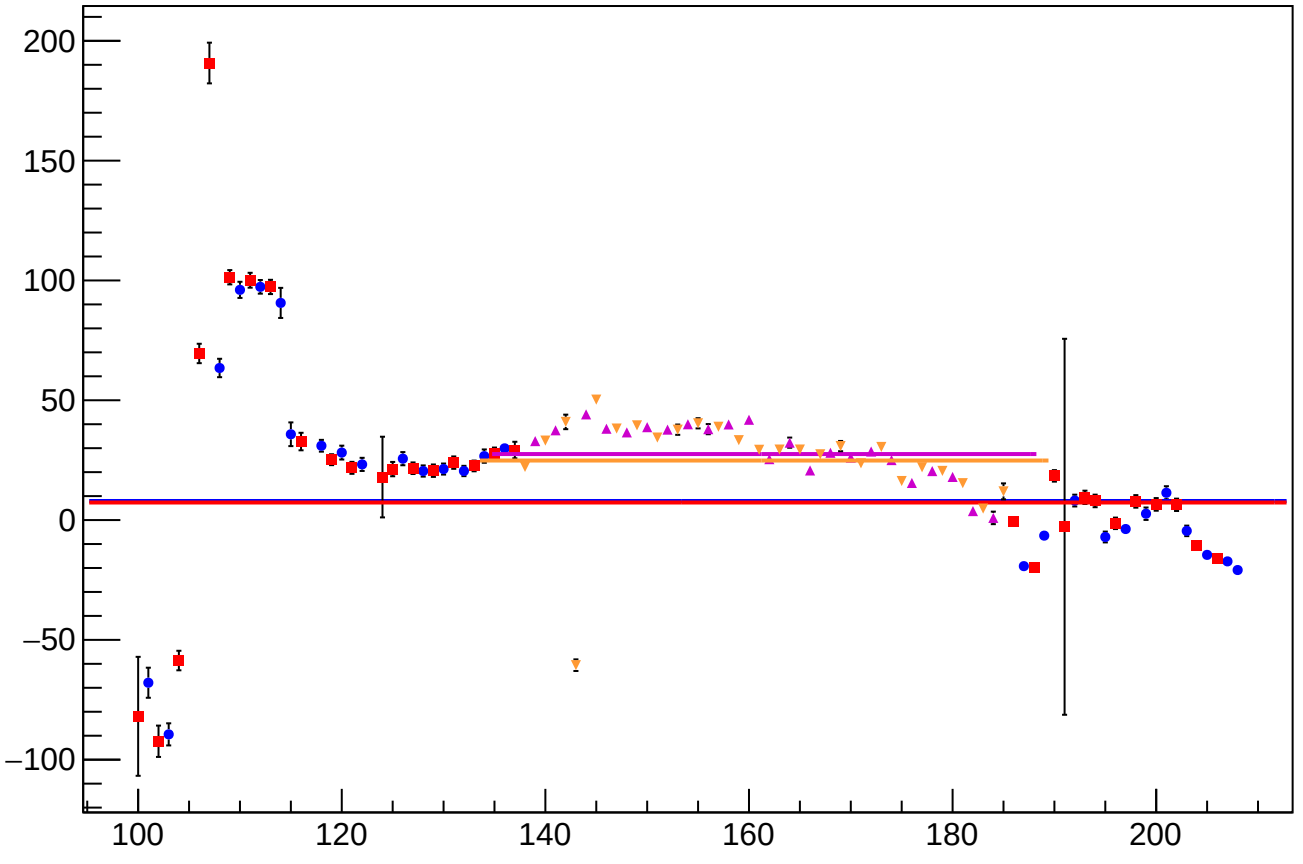
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.066+/-0.348 χ^2/NDF: 256.0/57

In: -1.896+/-0.260 χ^2/NDF:220.3/49

Out: -2.241+/-0.250 χ^2/NDF:225.3/55

All: -2.075+/-0.180 χ^2/NDF: 446.5/105



Right In: 7.958+/-0.457 χ^2/NDF: 4277.1/26

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 7.329+/-0.414 χ^2/NDF: 5746.2/30

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

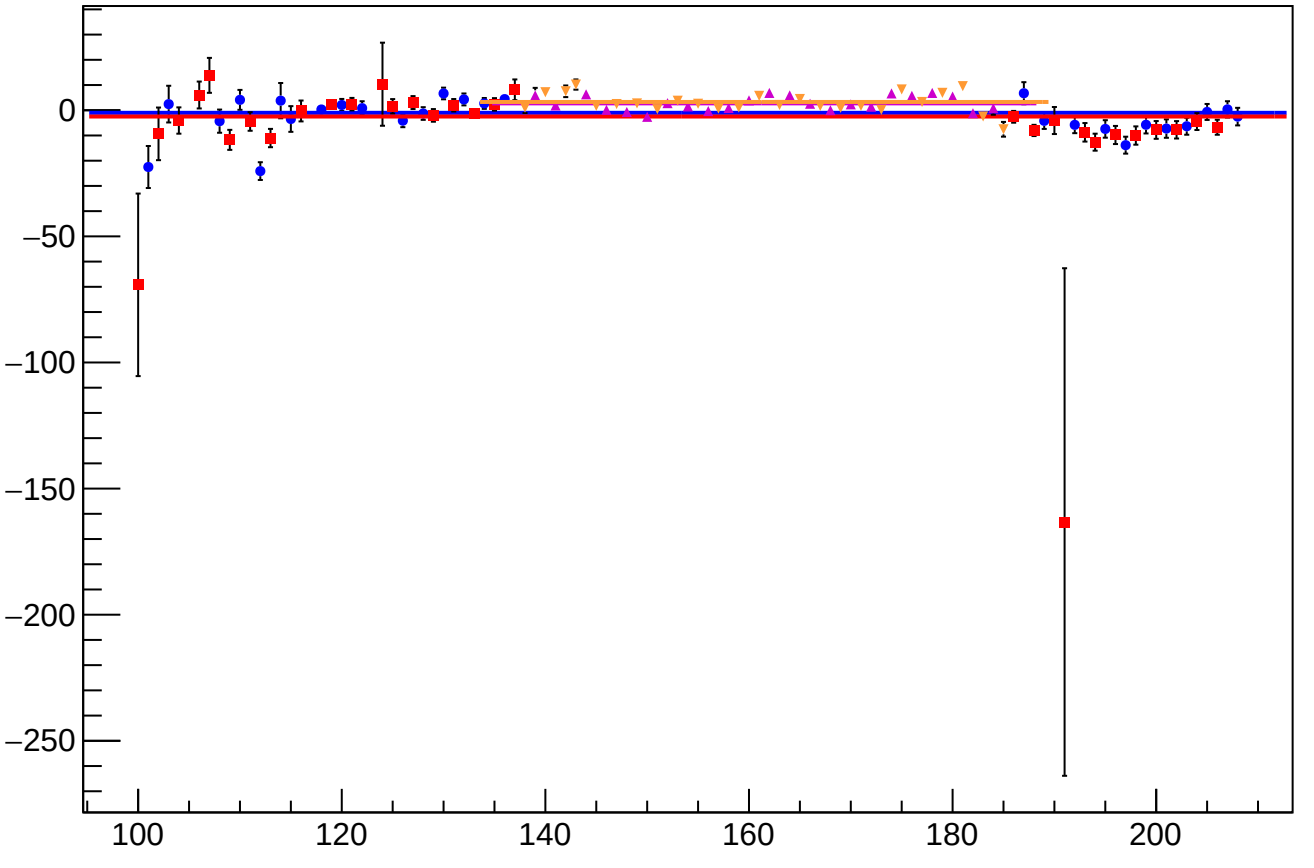
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 7.612+/-0.307 χ^2/NDF: 10024.3/57

In: 19.326+/-0.296 χ^2/NDF:6224.6/49

Out: 16.845+/-0.280 χ^2/NDF:8767.4/55

All: 18.015+/-0.203 χ^2/NDF: 15029.0/105



Right In: -1.015+/-0.582 χ^2/NDF: 115.9/26

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.485+/-0.577 χ^2/NDF: 91.2/30

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

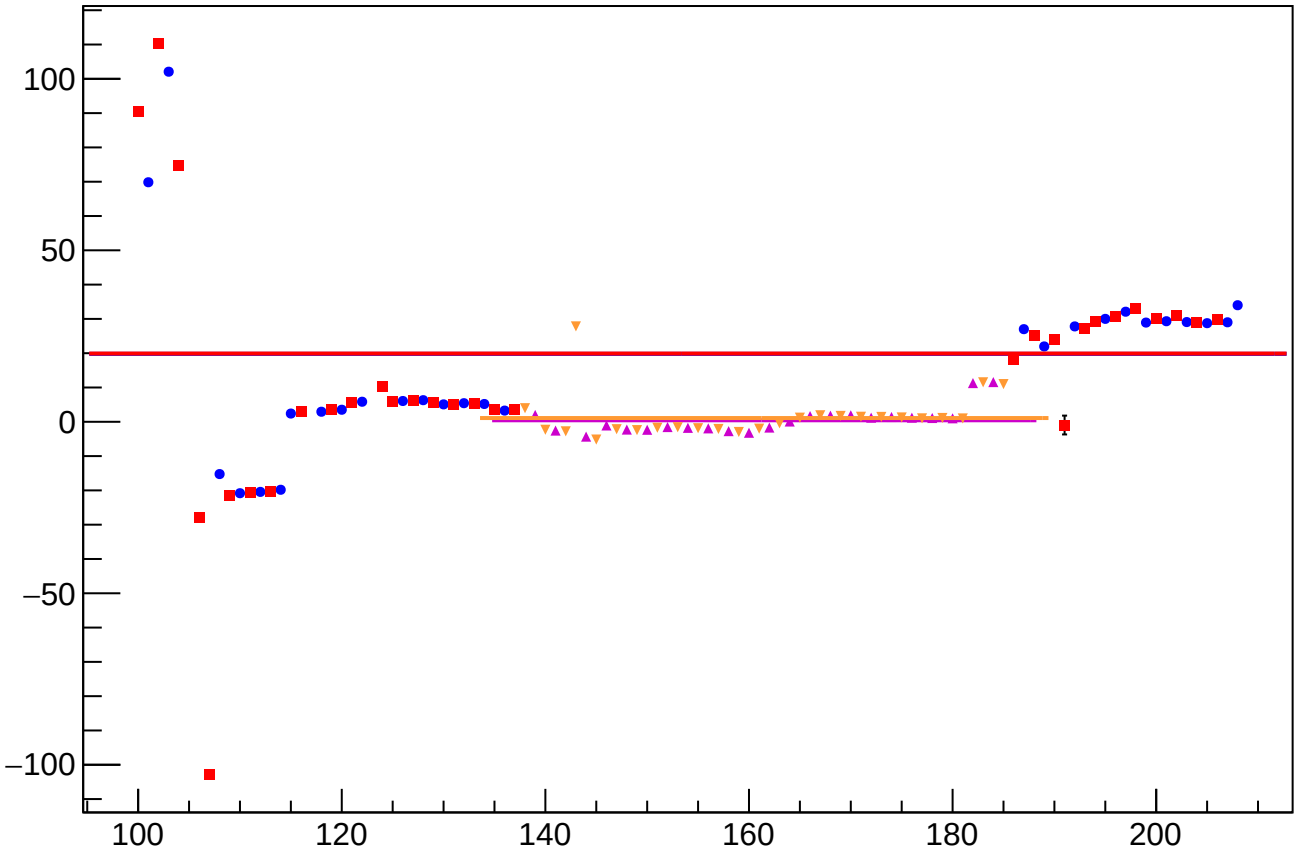
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.755+/-0.410 χ^2/NDF: 210.3/57

In: 1.768+/-0.295 χ^2/NDF:221.1/49

Out: 1.858+/-0.287 χ^2/NDF:272.6/55

All: 1.814+/-0.206 χ^2/NDF: 493.8/105



Right In: 19.805+/-0.028 χ^2/NDF: 483379.3/26

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.902+/-0.028 χ^2/NDF: 623644.3/30

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

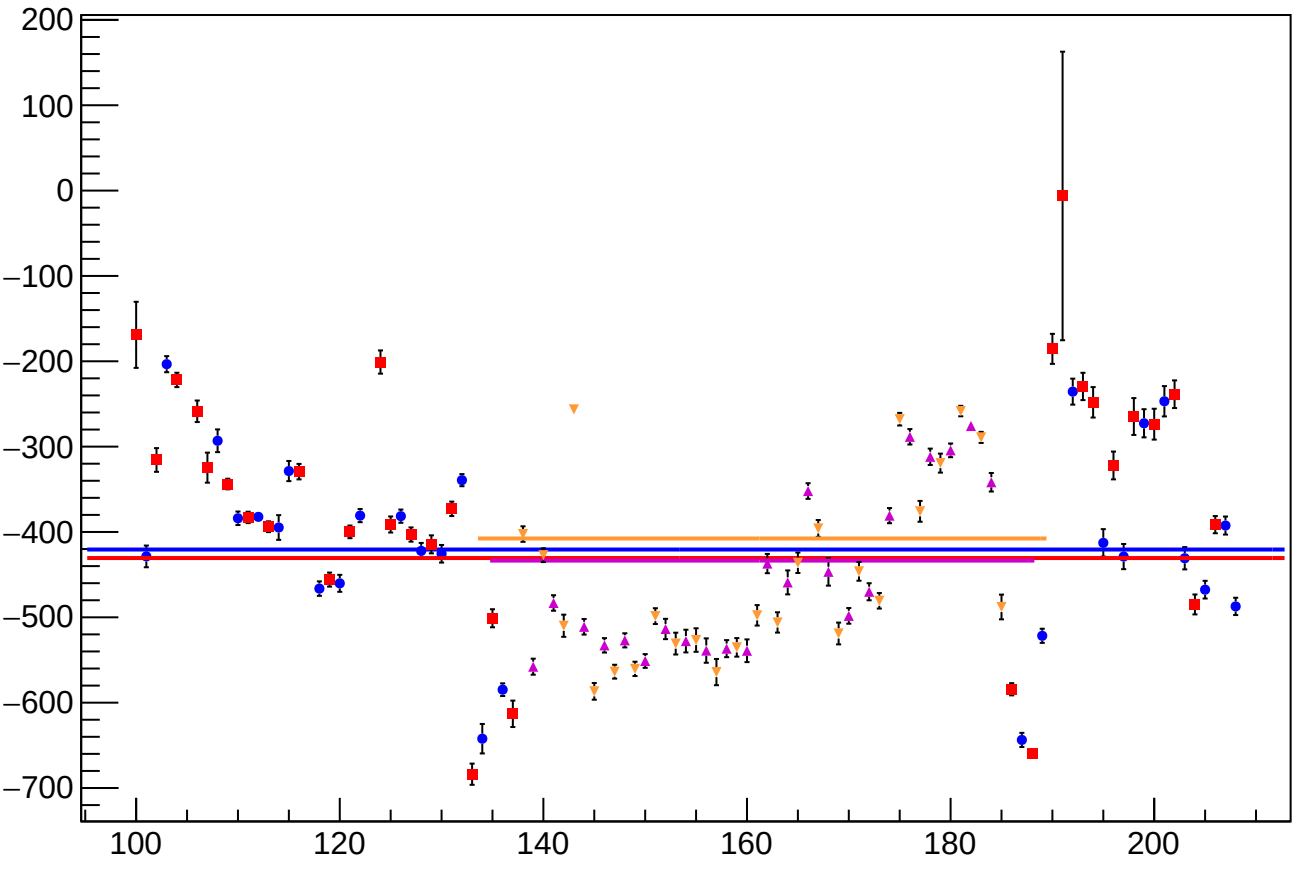
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 19.853+/-0.020 χ^2/NDF: 1107029.6/57

In: 4.873+/-0.013 χ^2/NDF:913701.8/49

Out: 5.252+/-0.013 χ^2/NDF:1107639.0/55

All: 5.065+/-0.009 χ^2/NDF: 2021754.6/105



Right In: -420.565+/-1.881 χ^2/NDF: 2899.2/26

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.547+/-1.732 χ^2/NDF: 6347.1/30

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

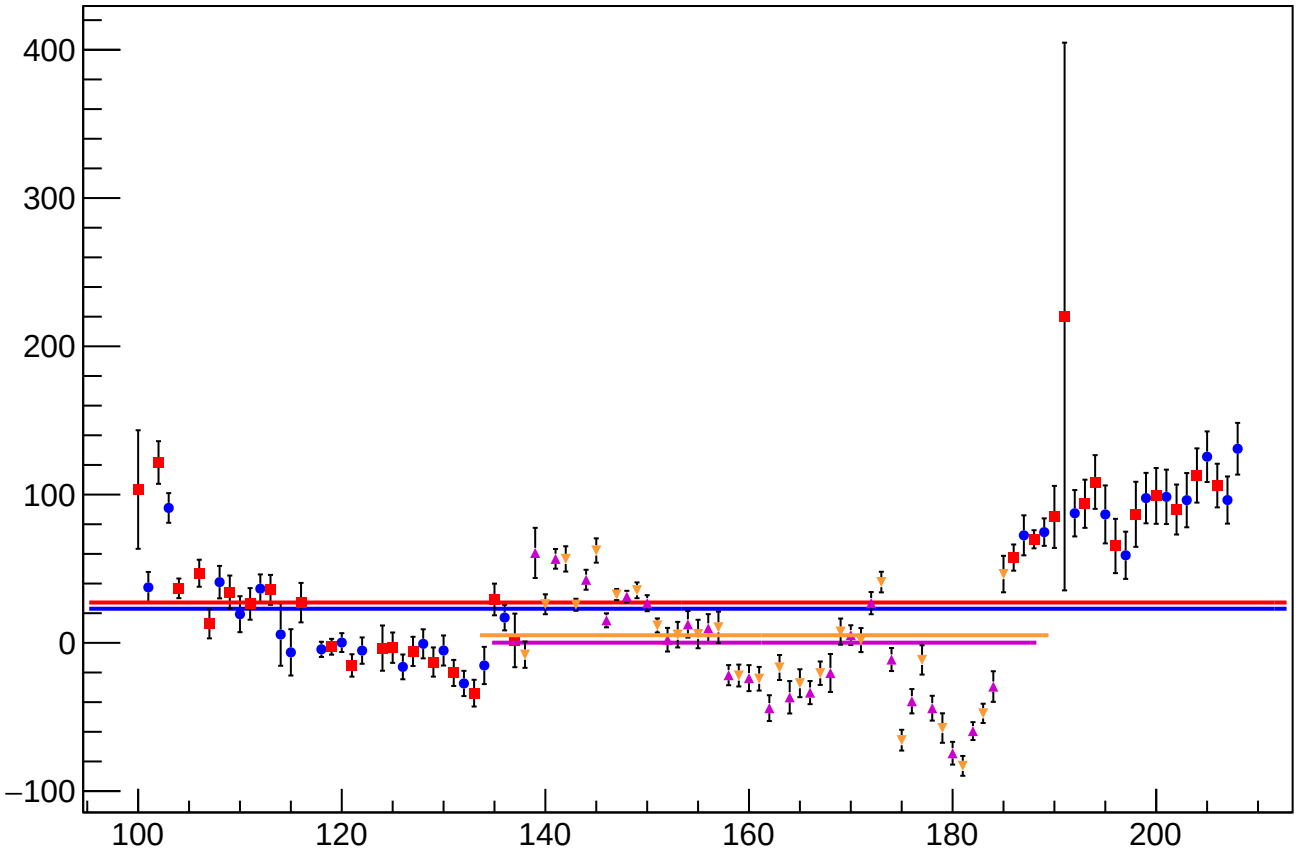
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -425.967+/-1.274 χ^2/NDF: 9261.6/57

In: -426.673+/-1.368 χ^2/NDF:5646.1/49

Out: -419.946+/-1.270 χ^2/NDF:10433.7/55

All: -423.060+/-0.931 χ^2/NDF: 16092.8/105



Right In: 23.006+/-2.029 χ^2/NDF: 414.2/26

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 27.212+/-1.907 χ^2/NDF: 434.7/30

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

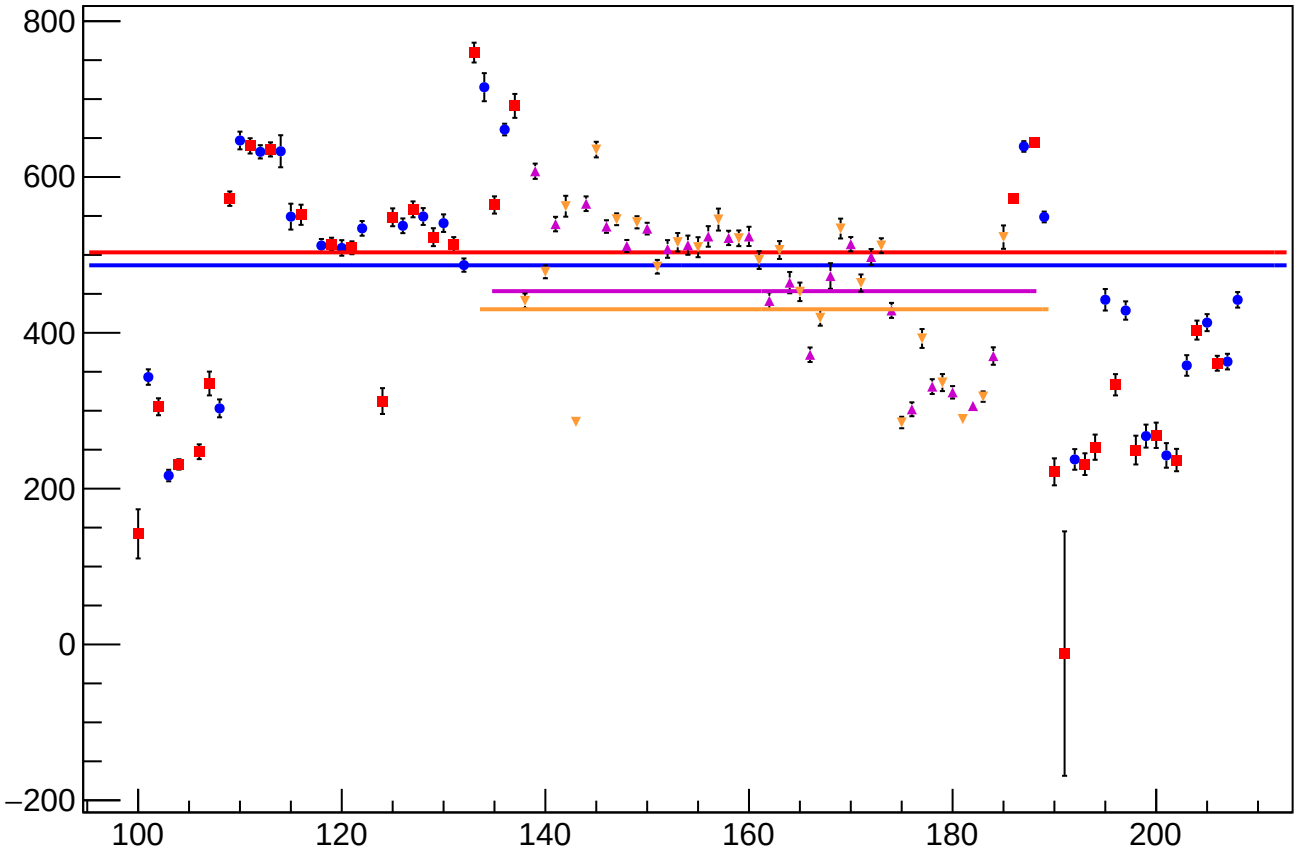
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 25.239+/-1.389 χ^2/NDF: 851.1/57

In: 8.137+/-1.201 χ^2/NDF:1065.4/49

Out: 12.707+/-1.117 χ^2/NDF:1211.9/55

All: 10.586+/-0.818 χ^2/NDF: 2285.1/105



Right In: 486.645+/-1.946 χ^2/NDF: 4914.6/26

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.267+/-1.736 χ^2/NDF: 8066.8/30

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

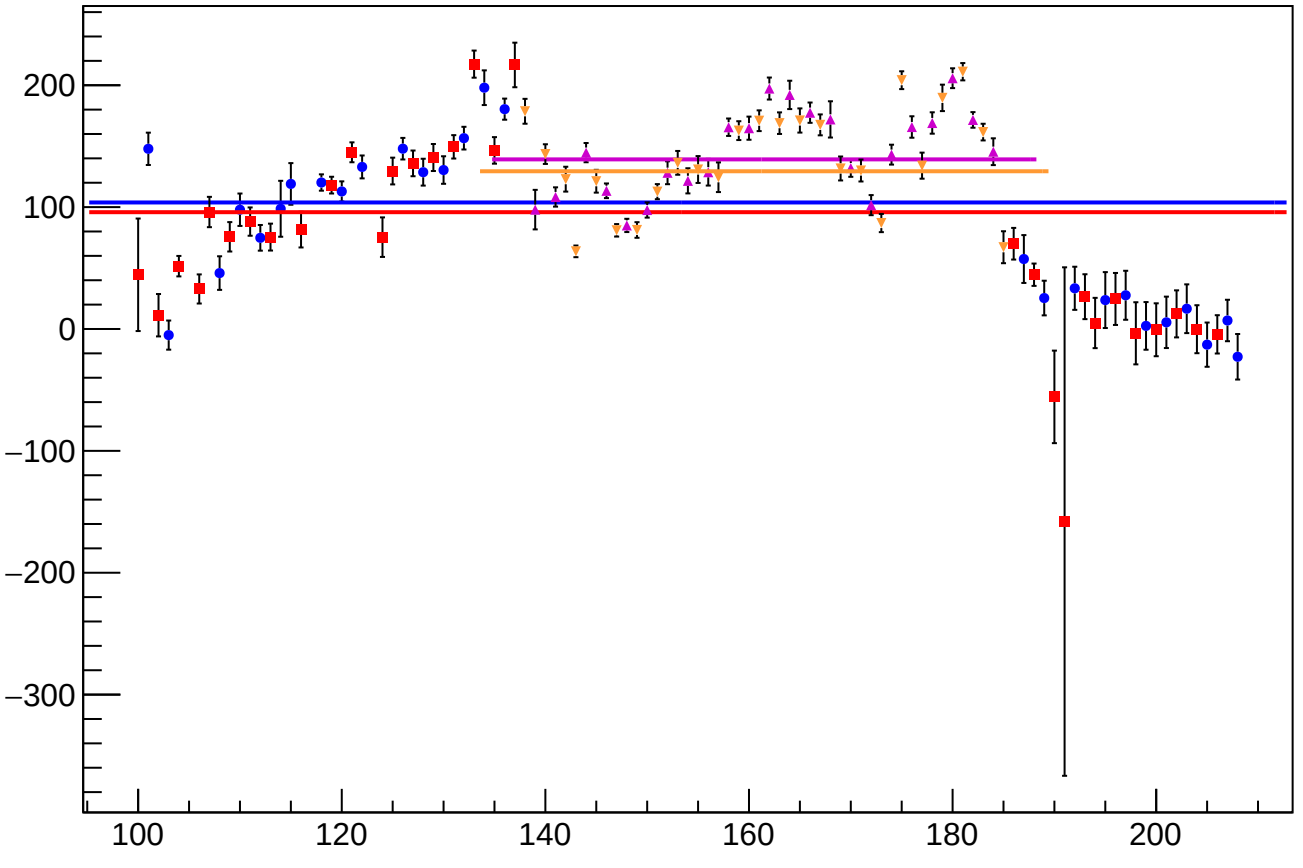
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 495.899+/-1.295 χ^2/NDF: 13022.0/57

In: 470.310+/-1.386 χ^2/NDF:7477.3/49

Out: 469.286+/-1.269 χ^2/NDF:12295.2/55

All: 469.753+/-0.936 χ^2/NDF: 19772.8/105



Right In: 103.812+/-2.379 χ^2/NDF: 592.3/26

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 95.841+/-2.274 χ^2/NDF: 608.1/30

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

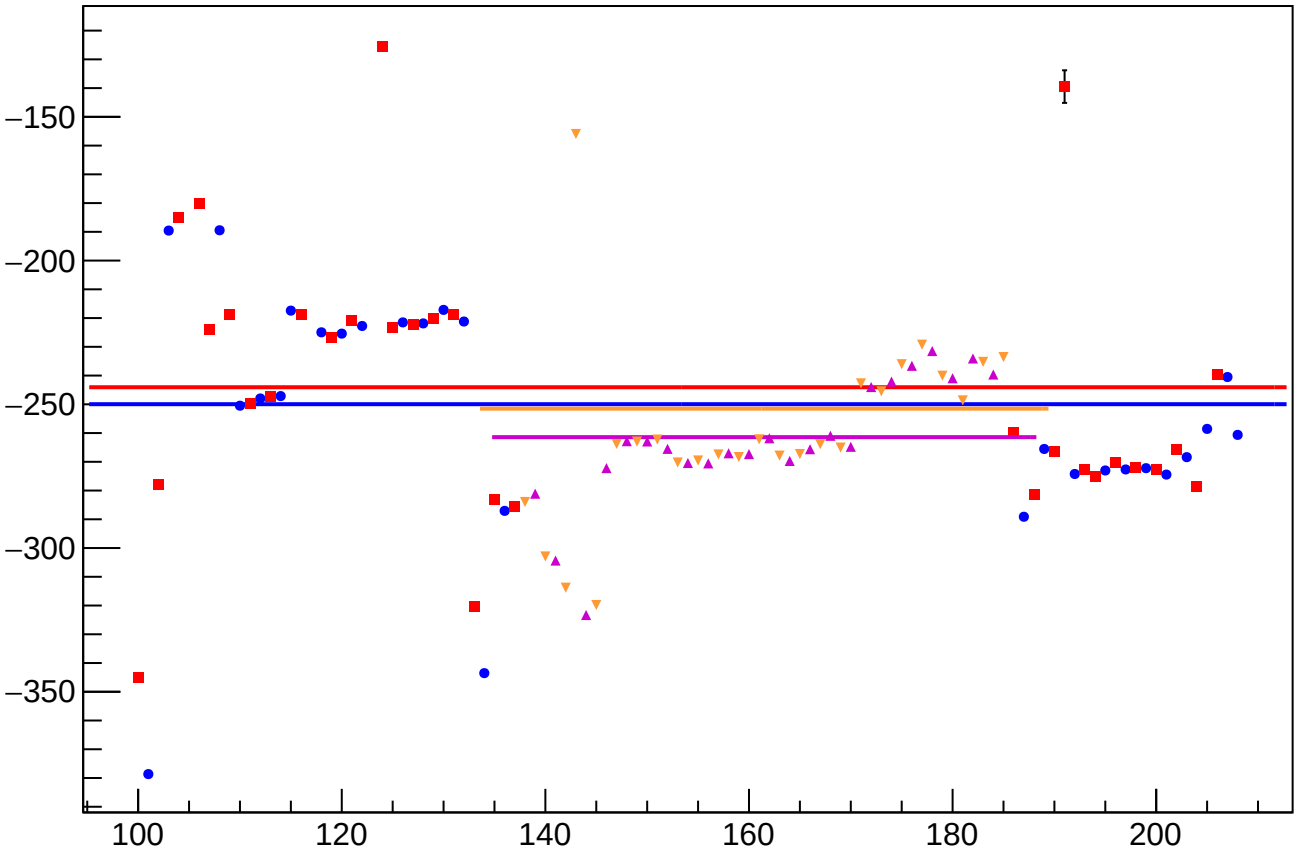
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 99.647+/-1.644 χ^2/NDF: 1206.3/57

In: 127.166+/-1.386 χ^2/NDF:1172.4/49

Out: 118.367+/-1.304 χ^2/NDF:1568.7/55

All: 122.501+/-0.950 χ^2/NDF: 2762.4/105



Right In: -249.961+/-0.121 χ^2/NDF: 148446.9/26

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.061+/-0.117 χ^2/NDF: 112531.2/30

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

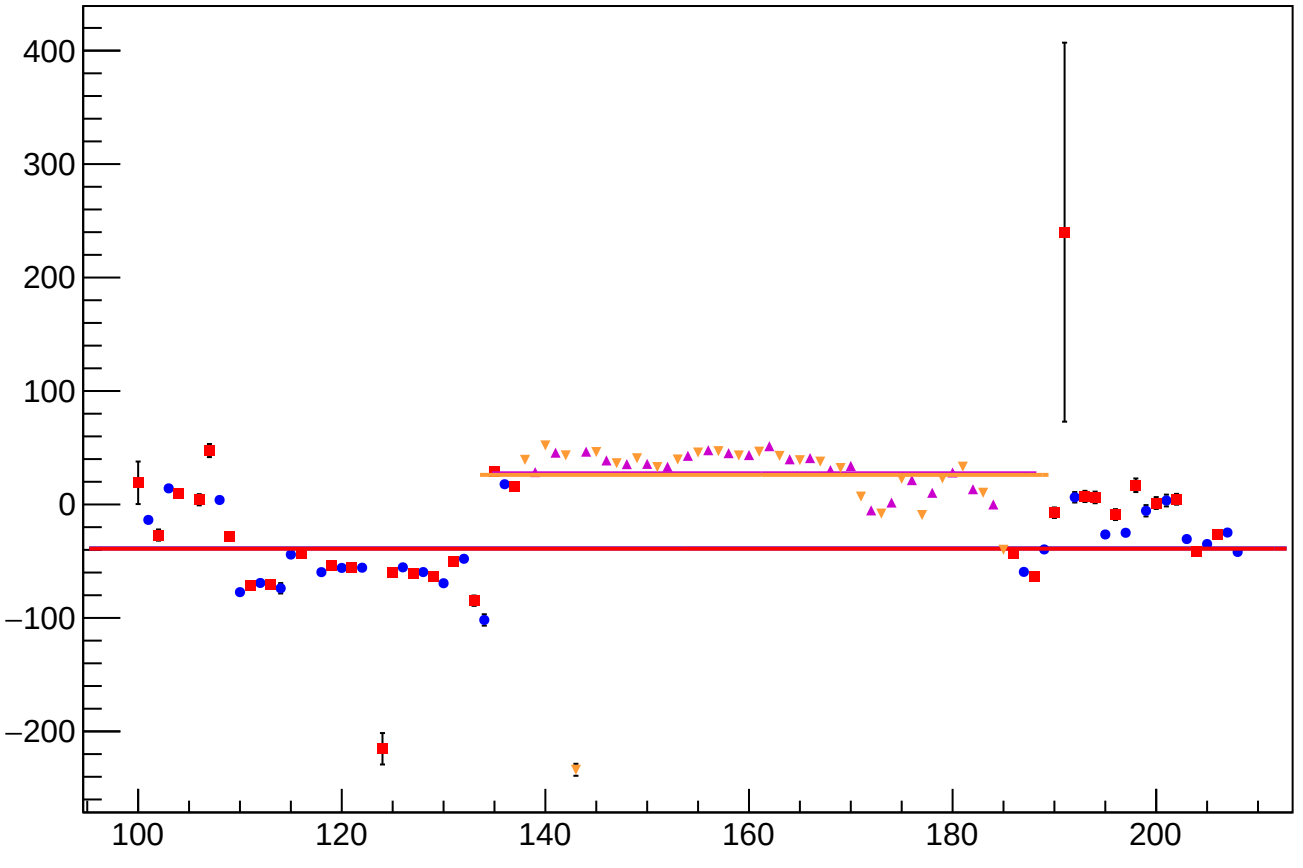
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -246.917+/-0.084 χ^2/NDF: 262198.6/57

In: -258.079+/-0.066 χ^2/NDF:224329.4/49

Out: -249.369+/-0.063 χ^2/NDF:370319.0/55

All: -253.550+/-0.045 χ^2/NDF: 603833.6/105



Right In: -38.735+/-0.588 χ^2/NDF: 2742.4/26

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -38.967+/-0.535 χ^2/NDF: 3259.1/30

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

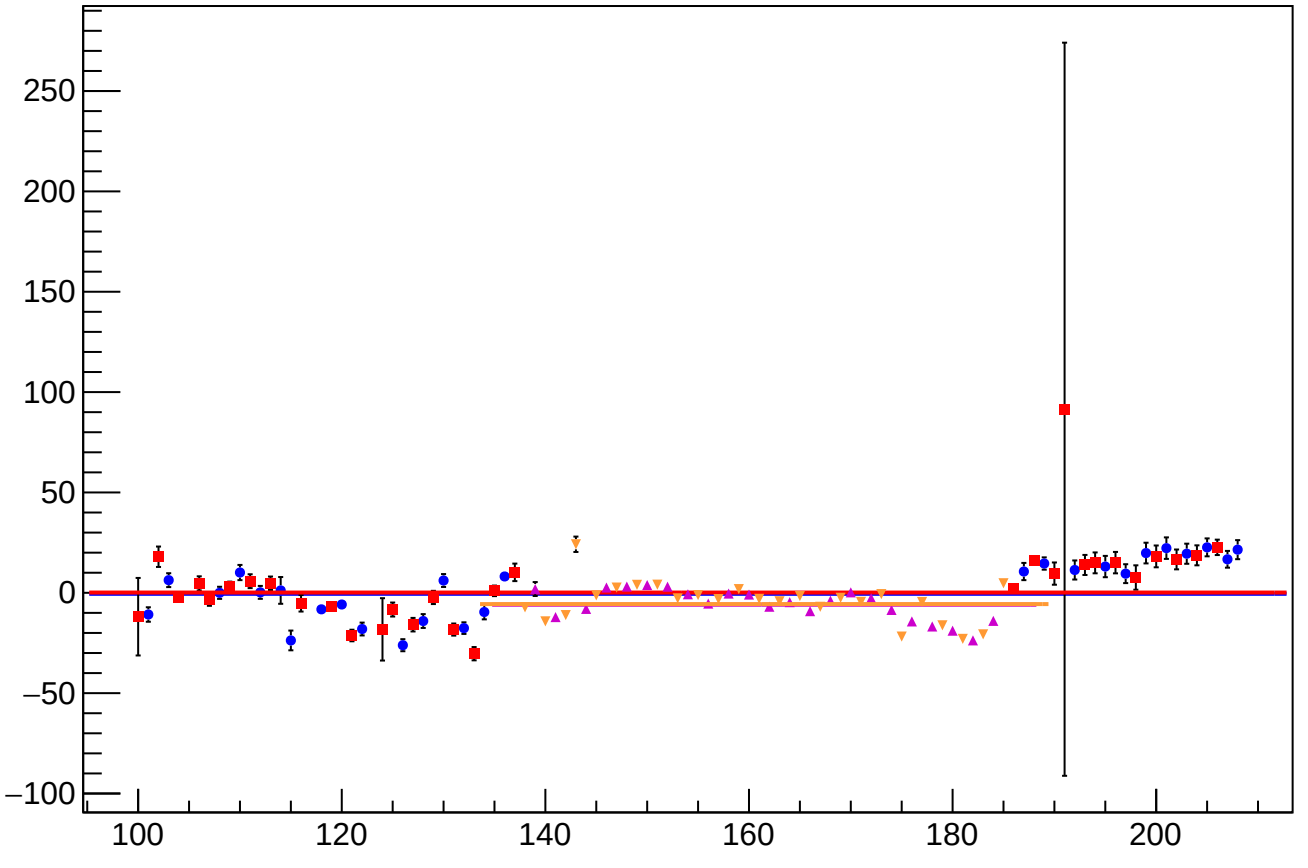
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -38.862+/-0.396 χ^2/NDF: 6001.6/57

In: 6.825+/-0.328 χ^2/NDF:13074.5/49

Out: 3.530+/-0.315 χ^2/NDF:17707.0/55

All: 5.109+/-0.227 χ^2/NDF: 30834.0/105



Right In: -0.509+/-0.657 χ^2/NDF: 407.3/26

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 0.128+/-0.615 χ^2/NDF: 405.9/30

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

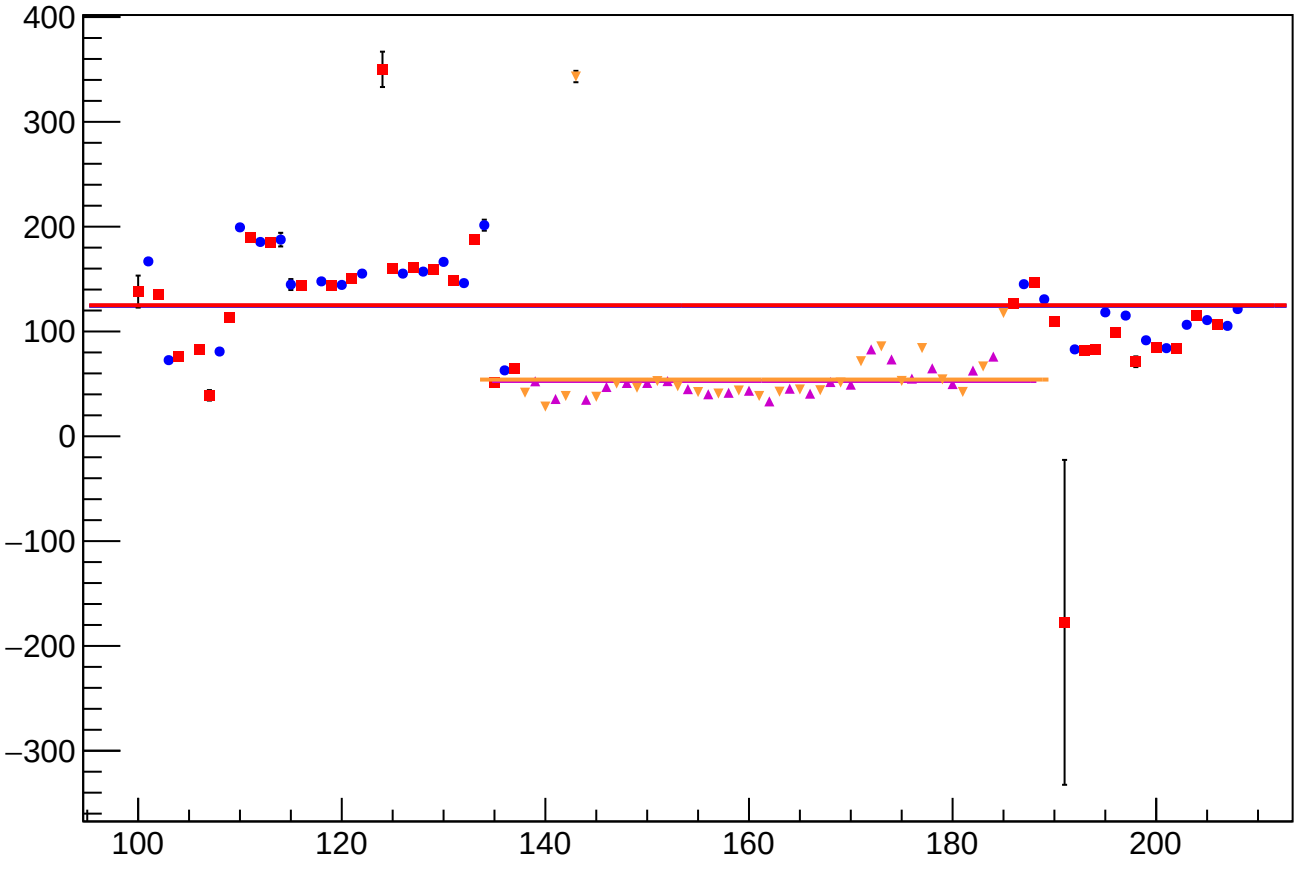
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -0.170+/-0.449 χ^2/NDF: 813.7/57

In: -4.957+/-0.280 χ^2/NDF:1175.4/49

Out: -4.509+/-0.271 χ^2/NDF:1369.6/55

All: -4.726+/-0.195 χ^2/NDF: 2546.4/105



Right In: 124.493+/-0.603 χ^2/NDF: 4113.4/26

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.037+/-0.538 χ^2/NDF: 4418.5/30

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

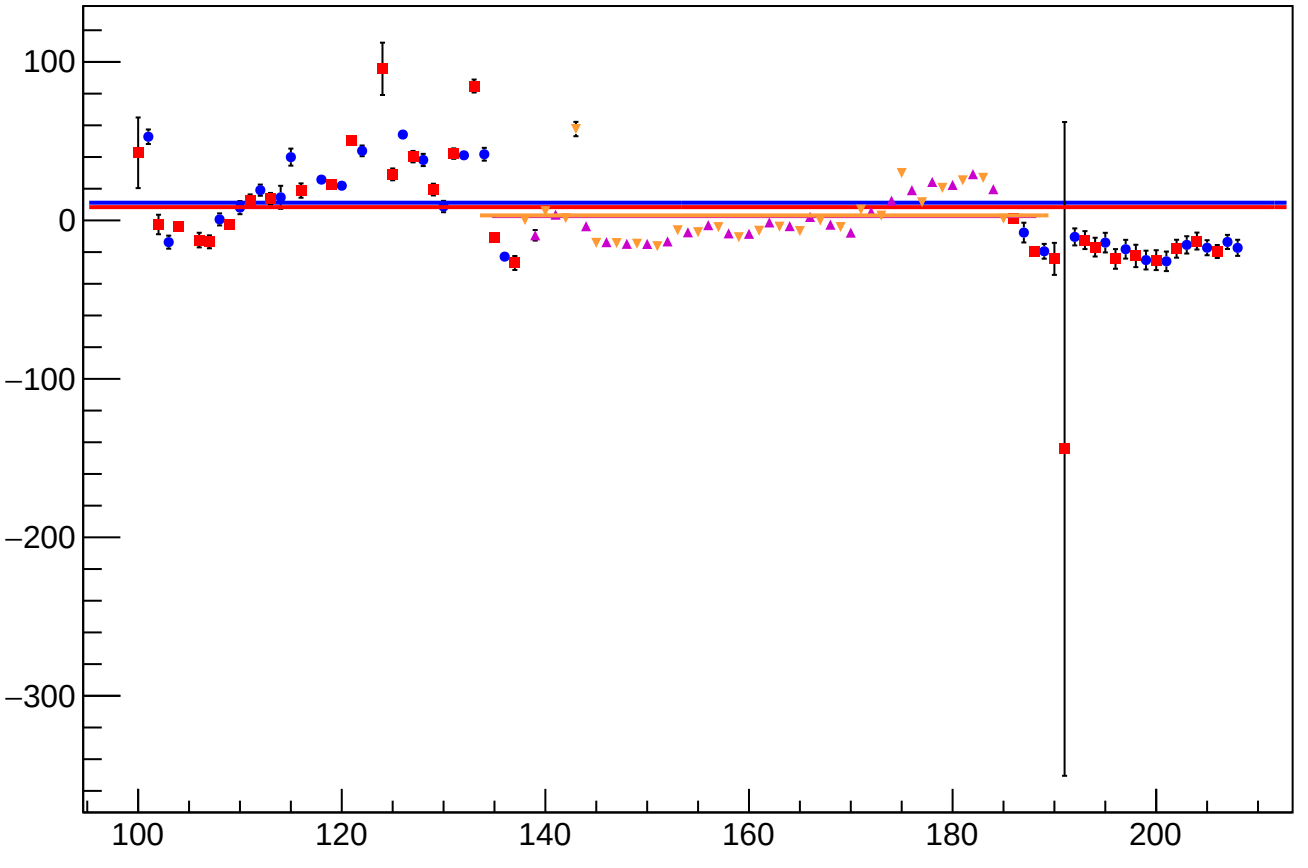
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 124.796+/-0.402 χ^2/NDF: 8532.4/57

In: 74.117+/-0.329 χ^2/NDF:15008.8/49

Out: 78.323+/-0.314 χ^2/NDF:20452.6/55

All: 76.317+/-0.227 χ^2/NDF: 35546.8/105



Right In: 11.175+/-0.759 χ^2/NDF: 1246.1/26

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 8.374+/-0.730 χ^2/NDF: 1314.7/30

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

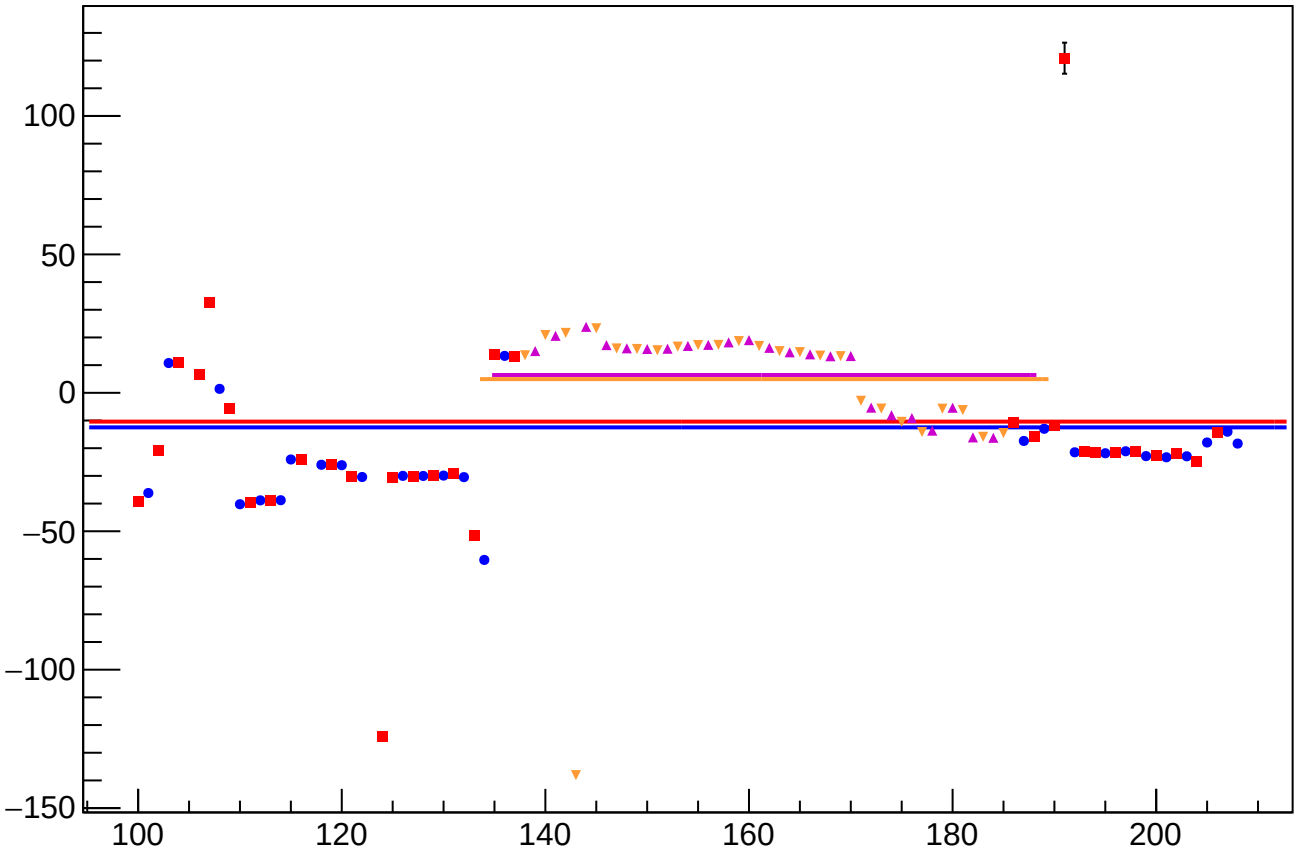
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 9.720+/-0.526 χ^2/NDF: 2567.9/57

In: 4.180+/-0.315 χ^2/NDF:3083.8/49

Out: 4.084+/-0.308 χ^2/NDF:3369.1/55

All: 4.131+/-0.220 χ^2/NDF: 6452.9/105



Right In: -12.477+/-0.036 χ^2/NDF: 296281.9/26

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.398+/-0.036 χ^2/NDF: 273879.3/30

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

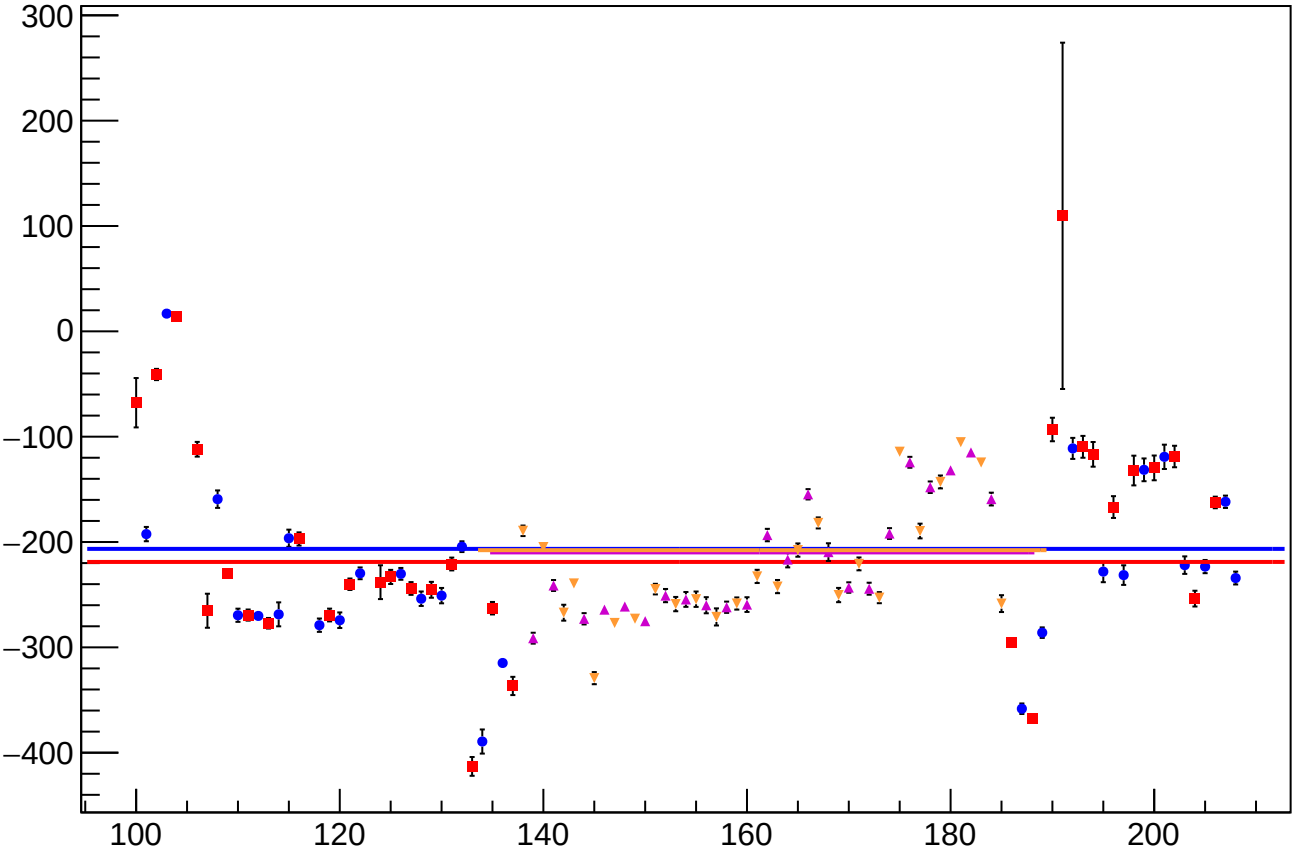
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -11.436+/-0.025 χ^2/NDF: 571822.3/57

In: 3.550+/-0.014 χ^2/NDF:1258757.2/49

Out: 2.623+/-0.014 χ^2/NDF:1564308.1/55

All: 3.083+/-0.010 χ^2/NDF: 2825238.3/105



Right In: -206.514+/-1.178 χ^2/NDF: 8814.3/26

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -218.913+/-1.089 χ^2/NDF: 12297.3/30

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

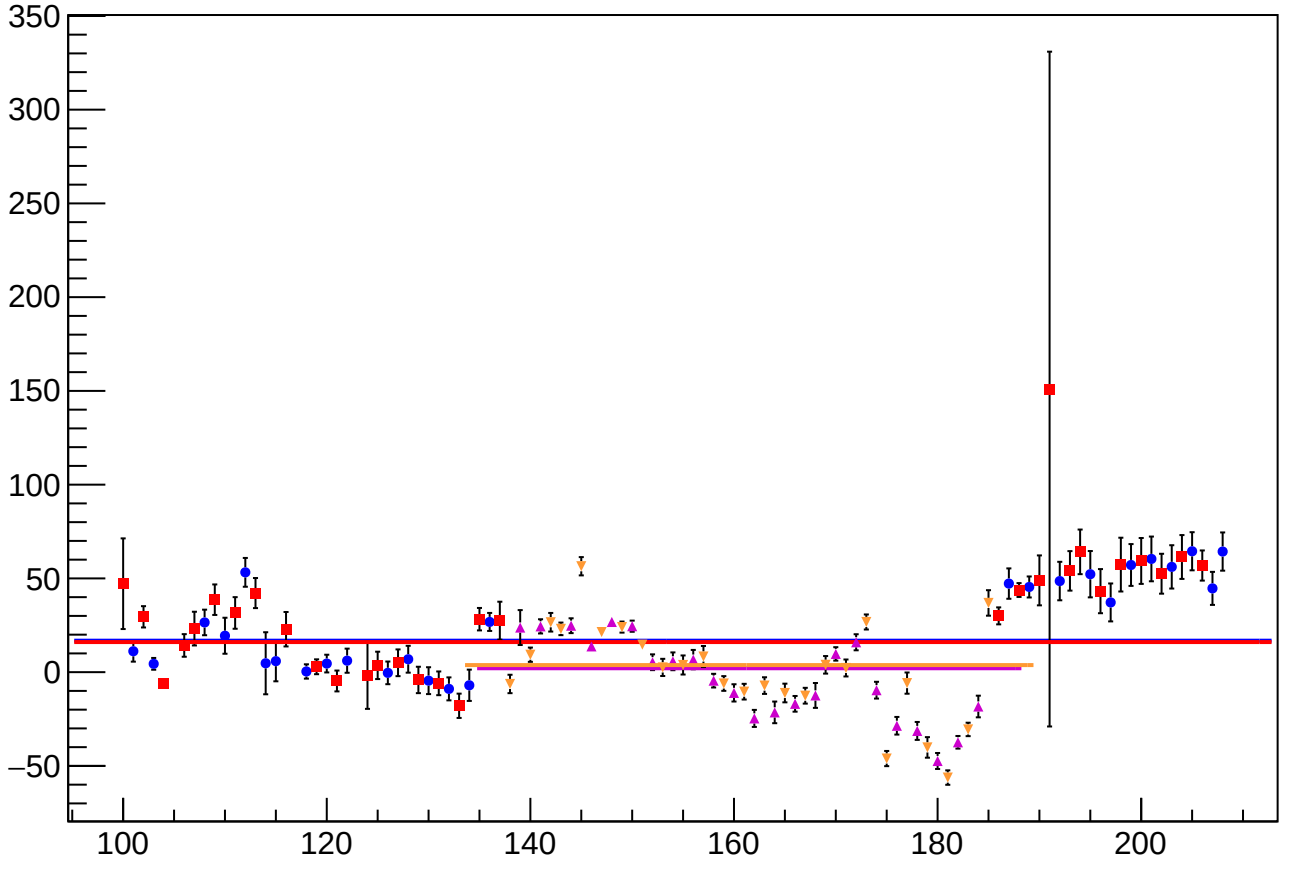
Right: -213.198+/-0.800 χ^2/NDF: 21171.4/57

In: -208.308+/-0.805 χ^2/NDF:11830.5/49

Out: -213.227+/-0.763 χ^2/NDF:15838.0/55

All: -210.897+/-0.554 χ^2/NDF: 27688.2/105

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.783+/-1.279 χ^2/NDF: 273.5/26

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 16.053+/-1.164 χ^2/NDF: 379.3/30

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

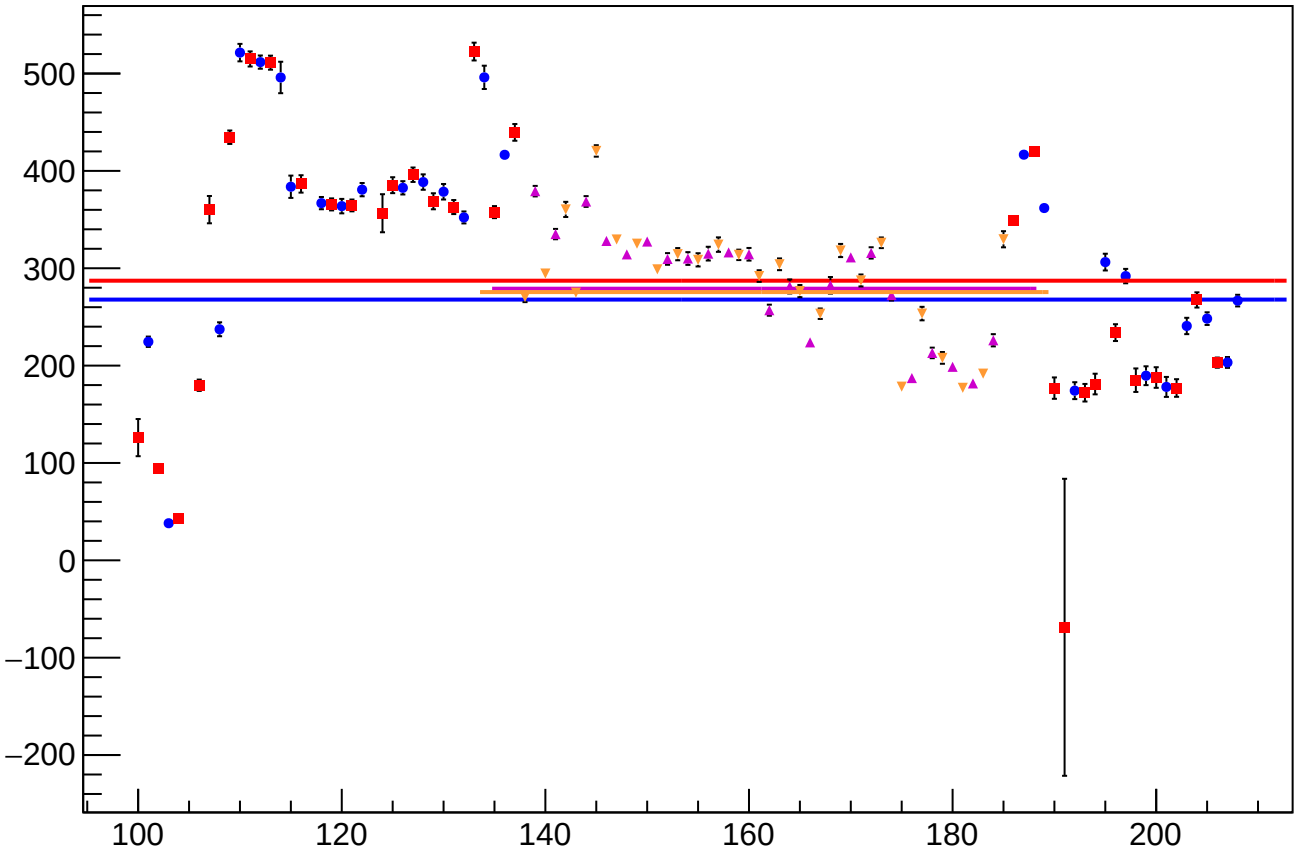
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 16.384+/-0.861 χ^2/NDF: 653.0/57

In: 6.362+/-0.690 χ^2/NDF:1137.4/49

Out: 7.627+/-0.652 χ^2/NDF:1427.9/55

All: 7.031+/-0.474 χ^2/NDF: 2567.0/105



Right In: 267.816+/-1.136 χ^2/NDF: 17747.6/26

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 287.216+/-1.020 χ^2/NDF: 22158.7/30

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

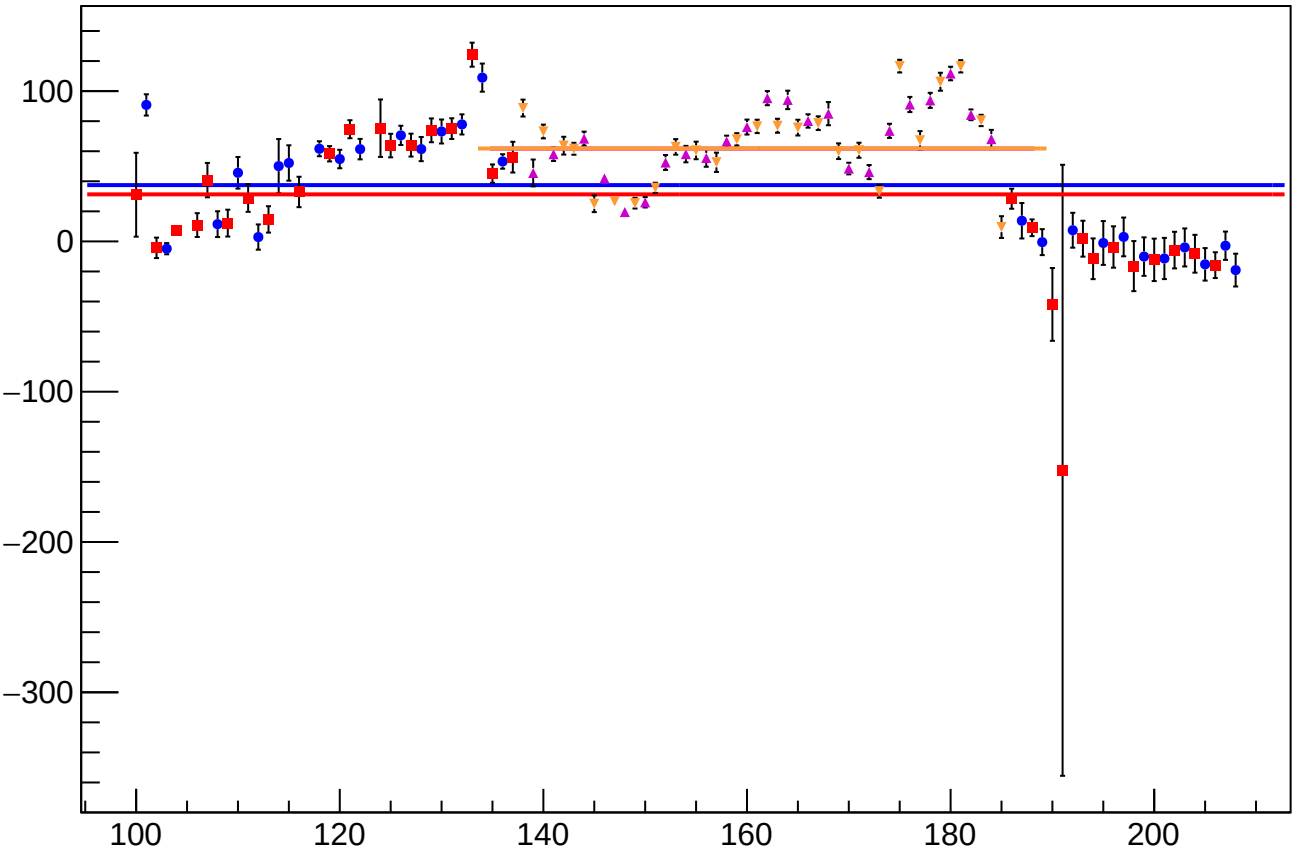
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 278.556+/-0.759 χ^2/NDF: 40067.9/57

In: 273.638+/-0.786 χ^2/NDF:20912.7/49

Out: 281.612+/-0.736 χ^2/NDF:25544.8/55

All: 277.889+/-0.537 χ^2/NDF: 46512.4/105



Right In: 37.462+/-1.501 χ^2/NDF: 569.3/26

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 31.295+/-1.411 χ^2/NDF: 556.0/30

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

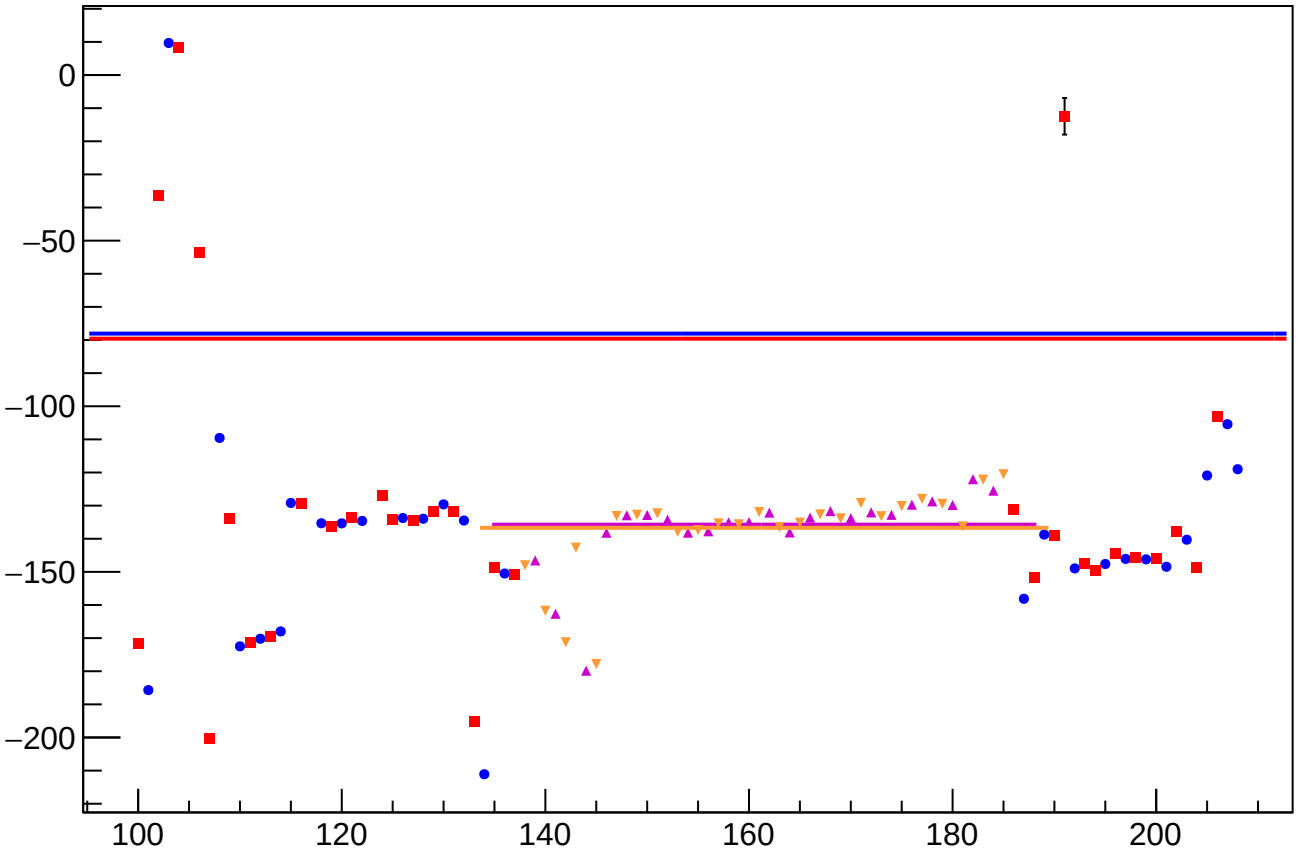
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 34.189+/-1.028 χ^2/NDF: 1134.3/57

In: 54.928+/-0.796 χ^2/NDF:1493.8/49

Out: 52.887+/-0.763 χ^2/NDF:1846.5/55

All: 53.865+/-0.551 χ^2/NDF: 3343.7/105



Right In: -78.061+/-0.063 χ^2/NDF: 1524594.8/26

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -79.595+/-0.063 χ^2/NDF: 1215779.3/30

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

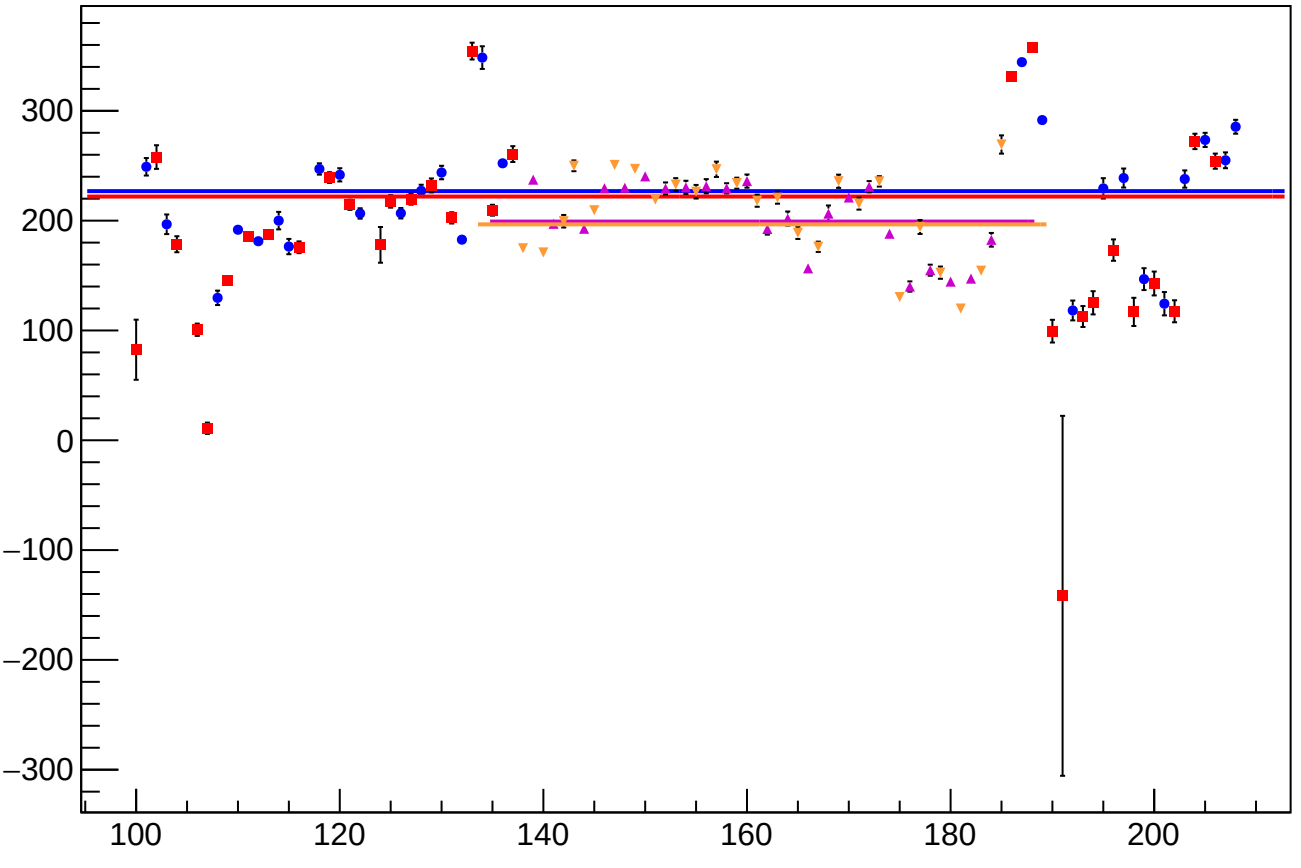
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -78.824+/-0.045 χ^2/NDF: 2740668.0/57

In: -117.555+/-0.035 χ^2/NDF:2160980.2/49

Out: -119.153+/-0.035 χ^2/NDF:1856008.0/55

All: -118.359+/-0.025 χ^2/NDF: 4018013.4/10



Right In: 226.867+/-1.096 χ^2/NDF: 2269.9/26

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.964+/-0.978 χ^2/NDF: 8165.5/30

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

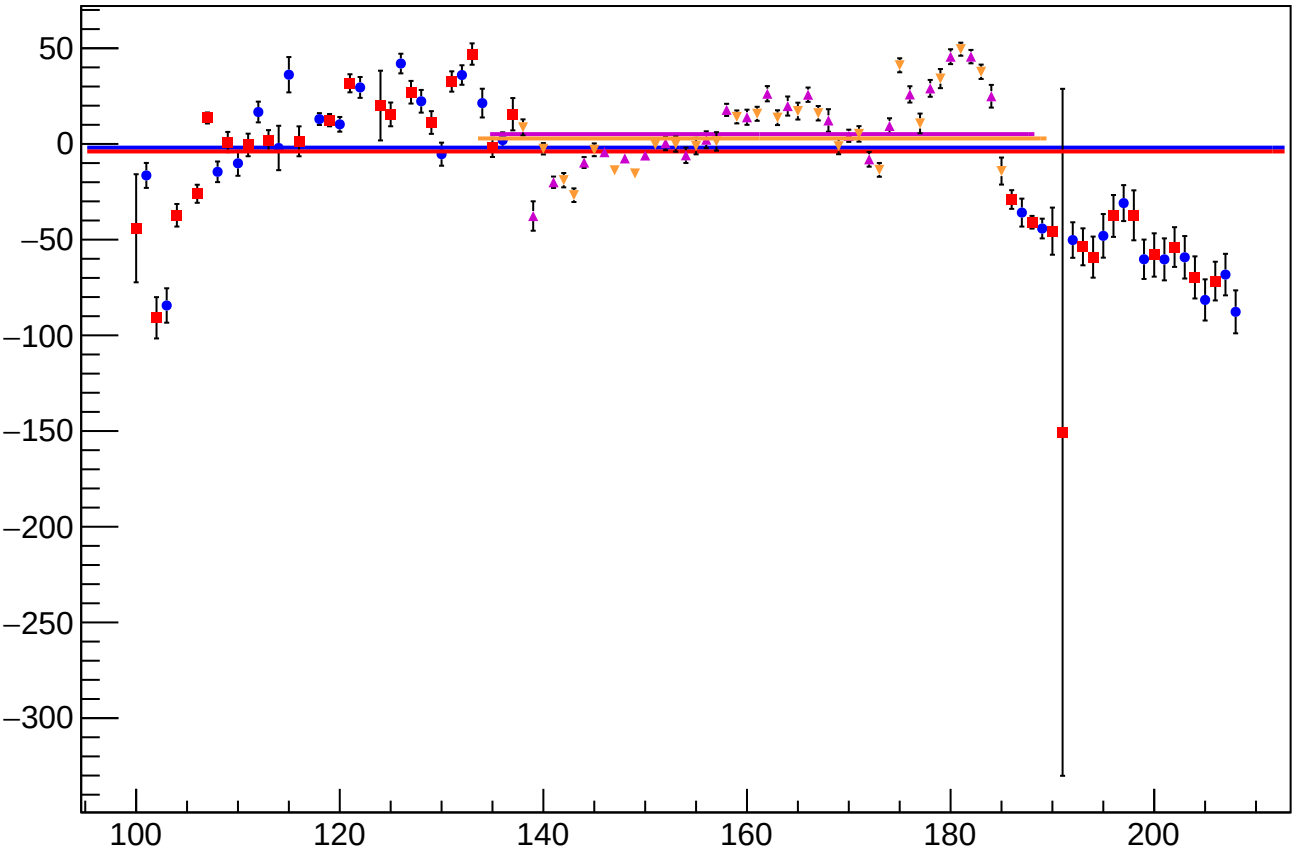
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 224.138+/-0.730 χ^2/NDF: 10446.6/57

In: 211.369+/-0.727 χ^2/NDF:3922.2/49

Out: 208.875+/-0.680 χ^2/NDF:10588.1/55

All: 210.038+/-0.497 χ^2/NDF: 14516.6/105



Right In: -1.929+/-1.194 χ^2/NDF: 727.1/26

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.930+/-1.069 χ^2/NDF: 783.5/30

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

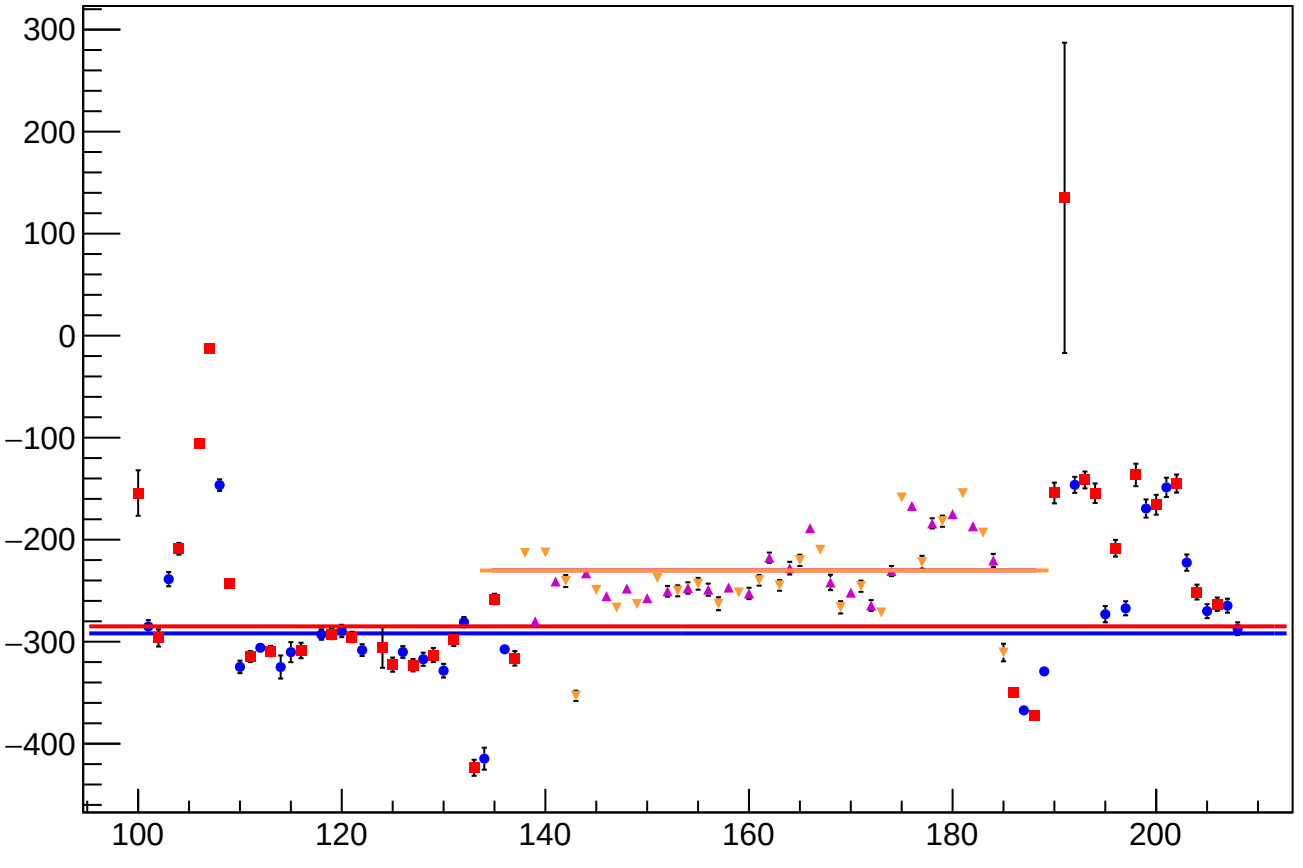
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -3.040+/-0.797 χ^2/NDF: 1512.2/57

In: 3.253+/-0.615 χ^2/NDF:1381.3/49

Out: 0.858+/-0.582 χ^2/NDF:1564.8/55

All: 1.988+/-0.423 χ^2/NDF: 2954.1/105



Right In: -291.864+/-1.142 χ^2/NDF: 2379.2/26

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -284.986+/-0.986 χ^2/NDF: 9918.2/30

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

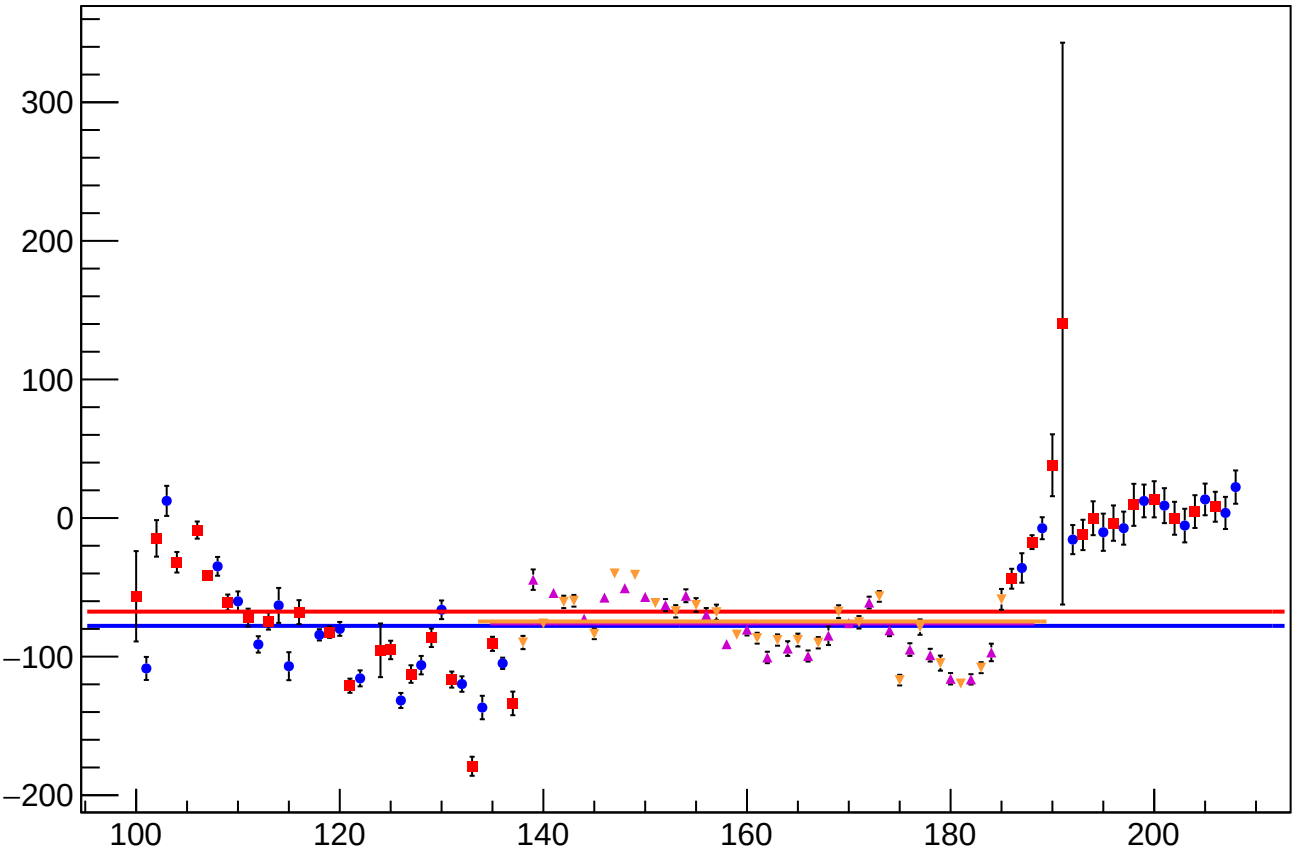
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -287.923+/-0.746 χ^2/NDF: 12318.1/57

In: -255.678+/-0.735 χ^2/NDF:5188.9/49

Out: -256.254+/-0.680 χ^2/NDF:13720.6/55

All: -255.989+/-0.499 χ^2/NDF: 18909.9/105



Right In: -77.810+/-1.396 χ^2/NDF: 971.3/26

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -67.534+/-1.282 χ^2/NDF: 1198.2/30

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

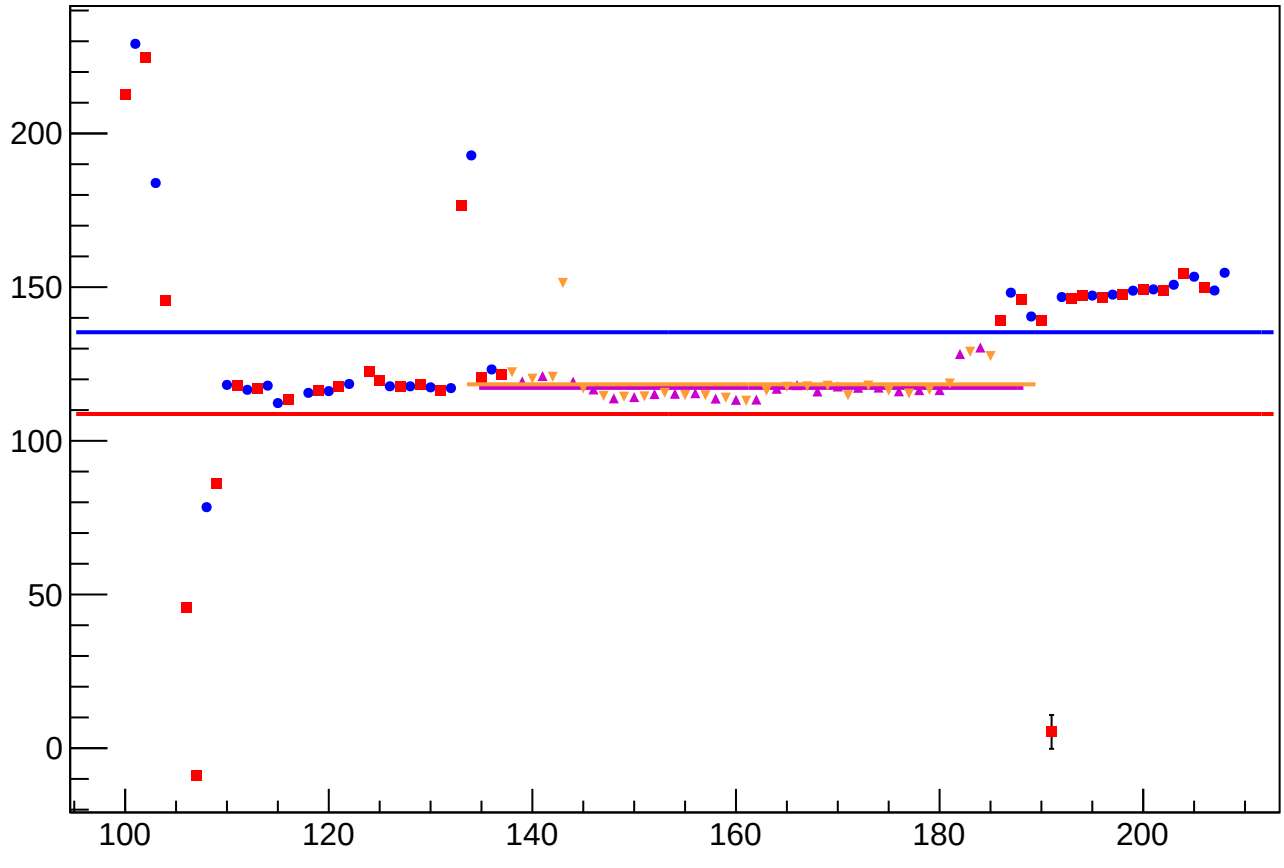
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -72.235+/-0.944 χ^2/NDF: 2198.9/57

In: -76.487+/-0.710 χ^2/NDF:1618.5/49

Out: -72.648+/-0.679 χ^2/NDF:2051.3/55

All: -74.483+/-0.491 χ^2/NDF: 3685.2/105



Right In: 135.329+/-0.072 χ^2/NDF: 200501.0/26

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 108.732+/-0.066 χ^2/NDF: 761054.5/30

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

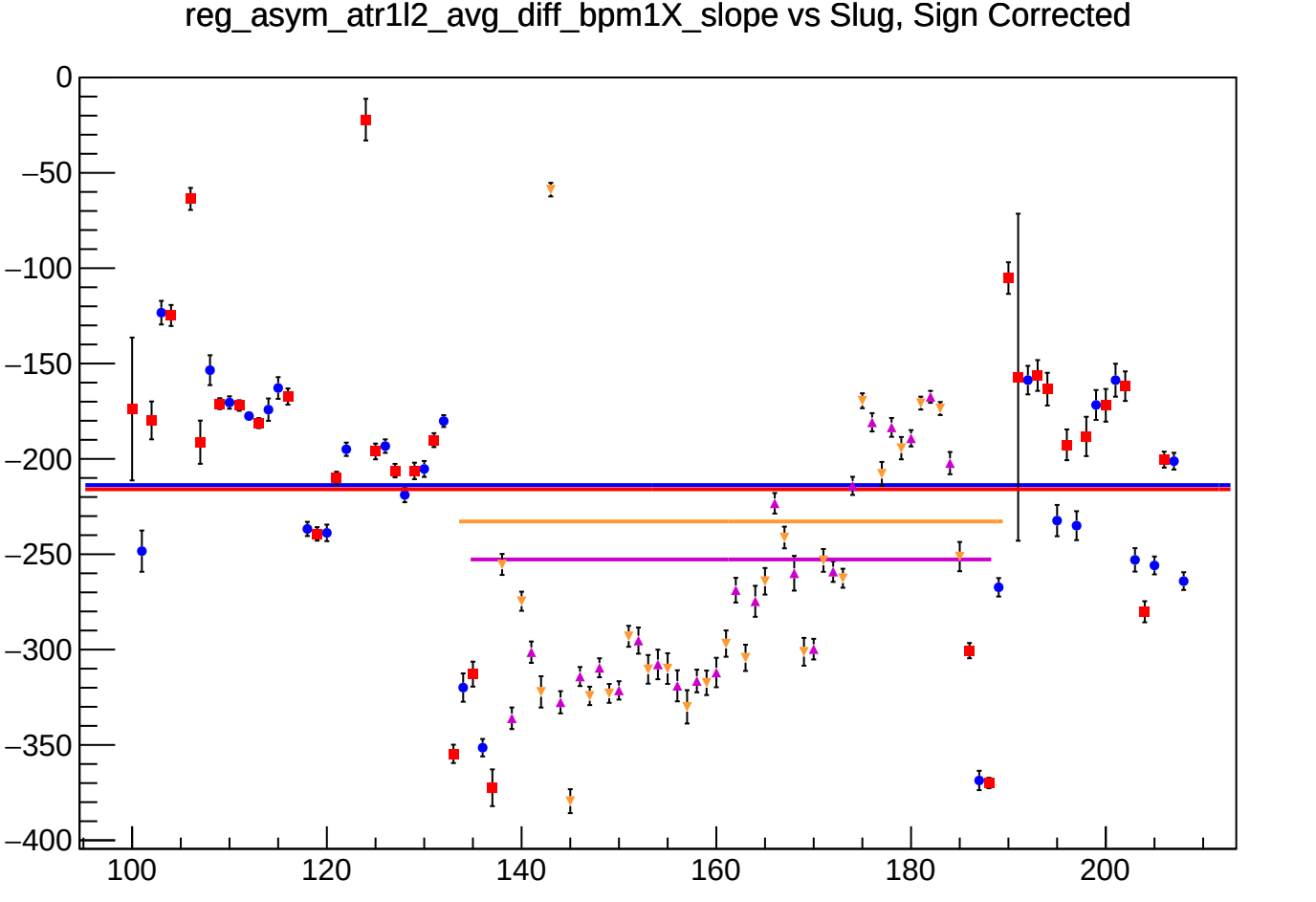
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 120.717+/-0.049 χ^2/NDF: 1035578.8/57

In: 121.066+/-0.033 χ^2/NDF:259910.6/49

Out: 116.028+/-0.032 χ^2/NDF:812342.2/55

All: 118.473+/-0.023 χ^2/NDF: 1083980.8/105



Right In: -213.736+/-0.882 χ^2/NDF: 3607.3/26

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -215.926+/-0.834 χ^2/NDF: 7679.6/30

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

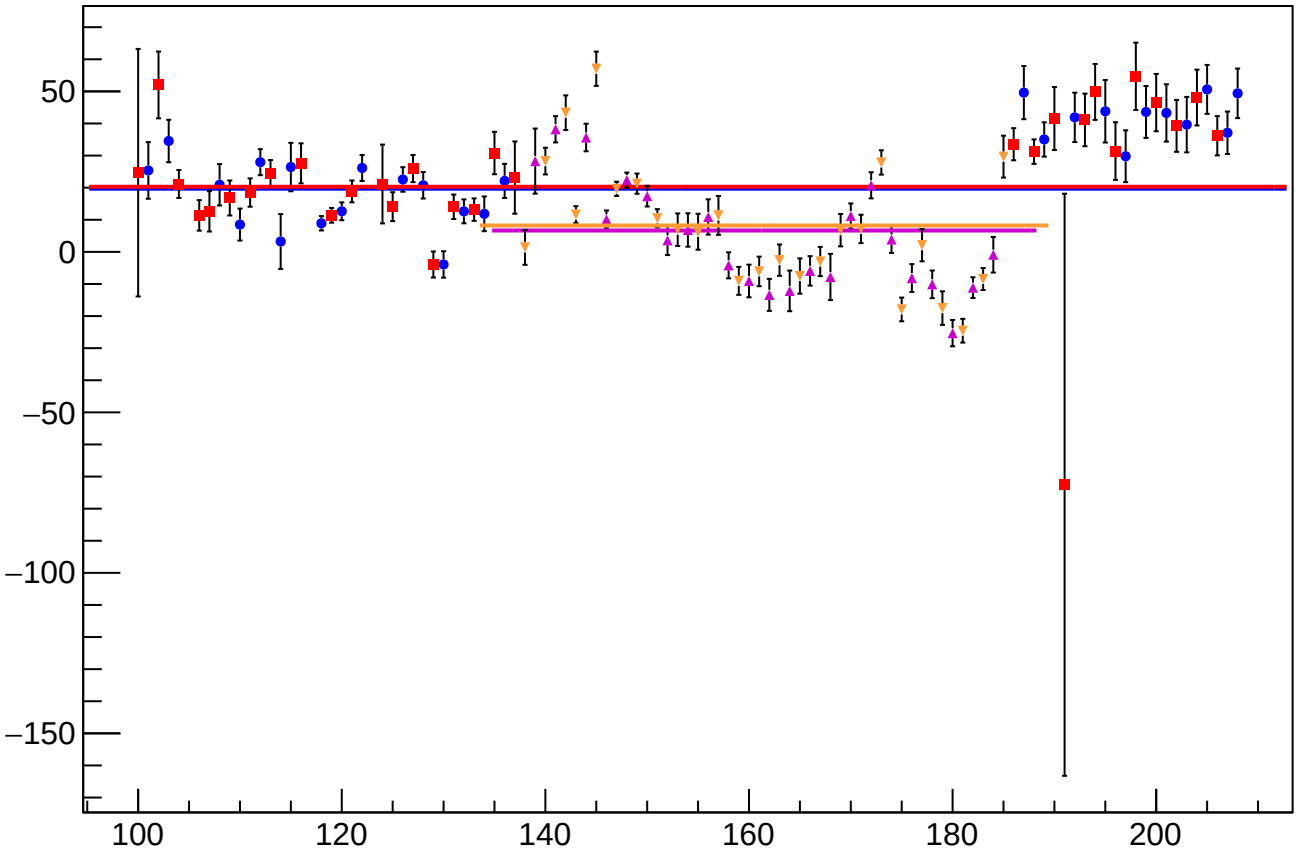
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.893+/-0.606 χ^2/NDF: 11290.2/57

In: -228.495+/-0.696 χ^2/NDF:7260.7/49

Out: -222.287+/-0.658 χ^2/NDF:13597.9/55

All: -225.220+/-0.478 χ^2/NDF: 20900.7/105



Right In: 19.692+/-0.953 χ^2/NDF: 187.5/26

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 20.287+/-0.926 χ^2/NDF: 163.7/30

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

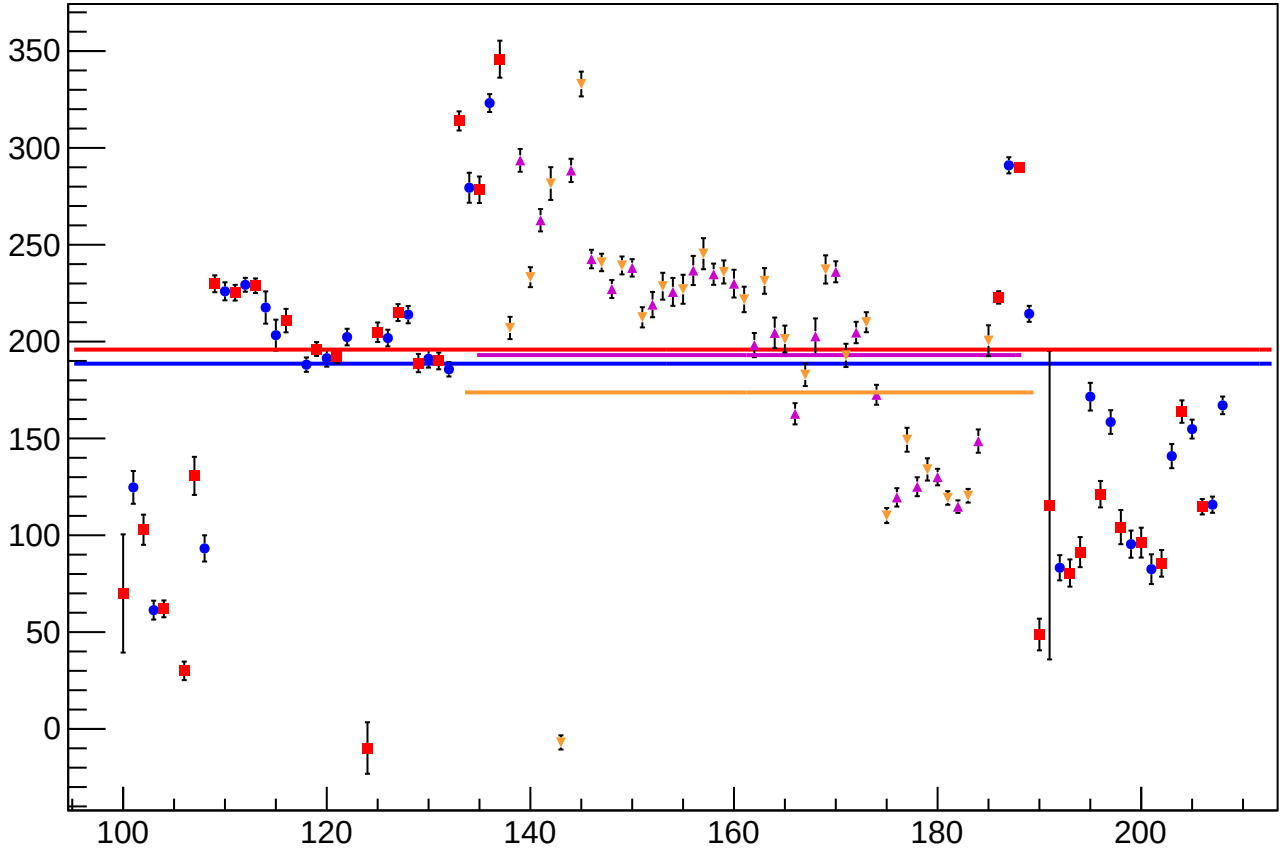
Right: 19.998+/-0.664 χ^2/NDF: 351.4/57

In: 12.496+/-0.638 χ^2/NDF:645.6/49

Out: 13.402+/-0.607 χ^2/NDF:718.5/55

All: 12.972+/-0.439 χ^2/NDF: 1365.2/105

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 188.594+/-0.955 χ^2/NDF: 3921.4/26

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.866+/-0.885 χ^2/NDF: 7549.1/30

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

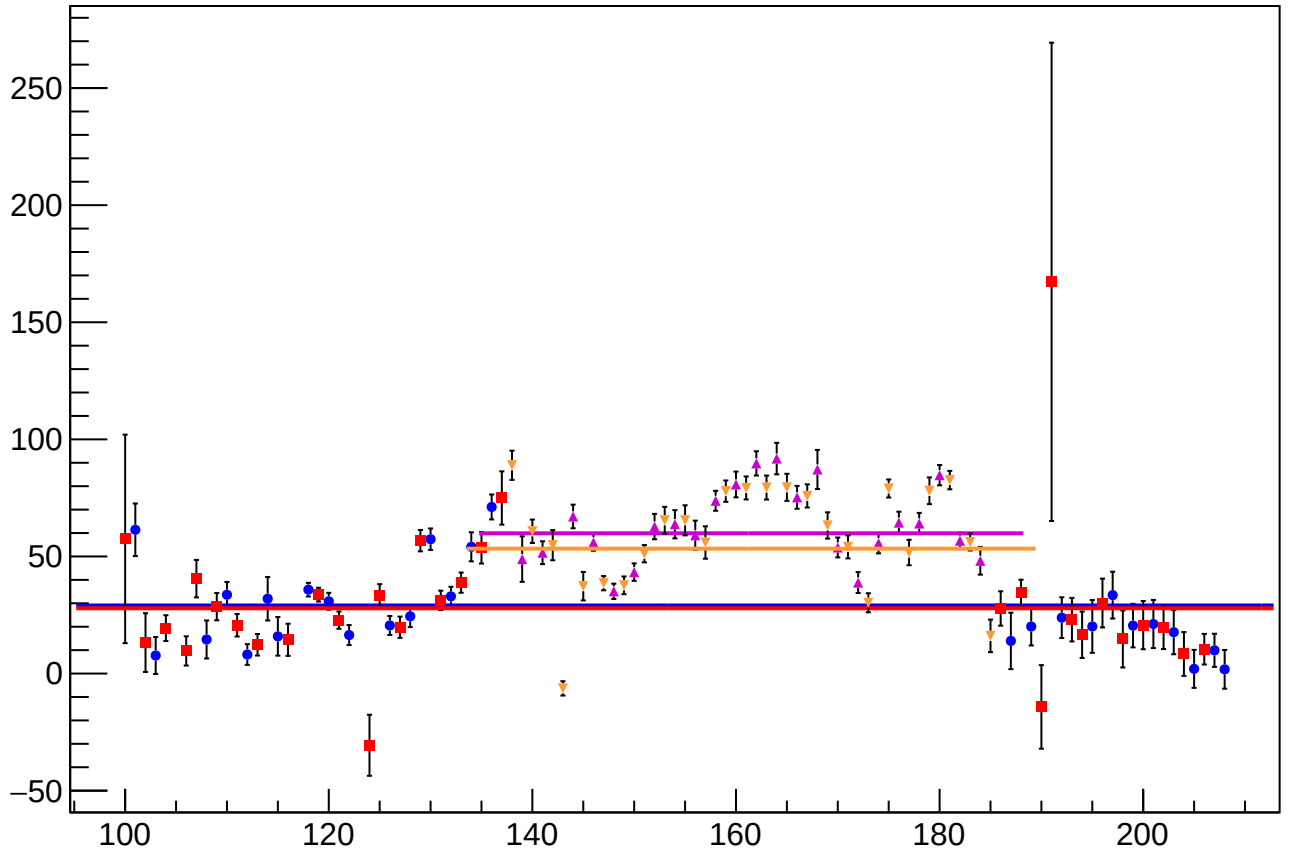
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 192.506+/-0.649 χ^2/NDF: 11501.6/57

In: 190.456+/-0.727 χ^2/NDF:6442.4/49

Out: 186.866+/-0.682 χ^2/NDF:13063.8/55

All: 188.545+/-0.497 χ^2/NDF: 19519.2/105



Right In: 29.070+/-1.110 χ^2/NDF: 218.2/26

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 27.885+/-1.088 χ^2/NDF: 166.6/30

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

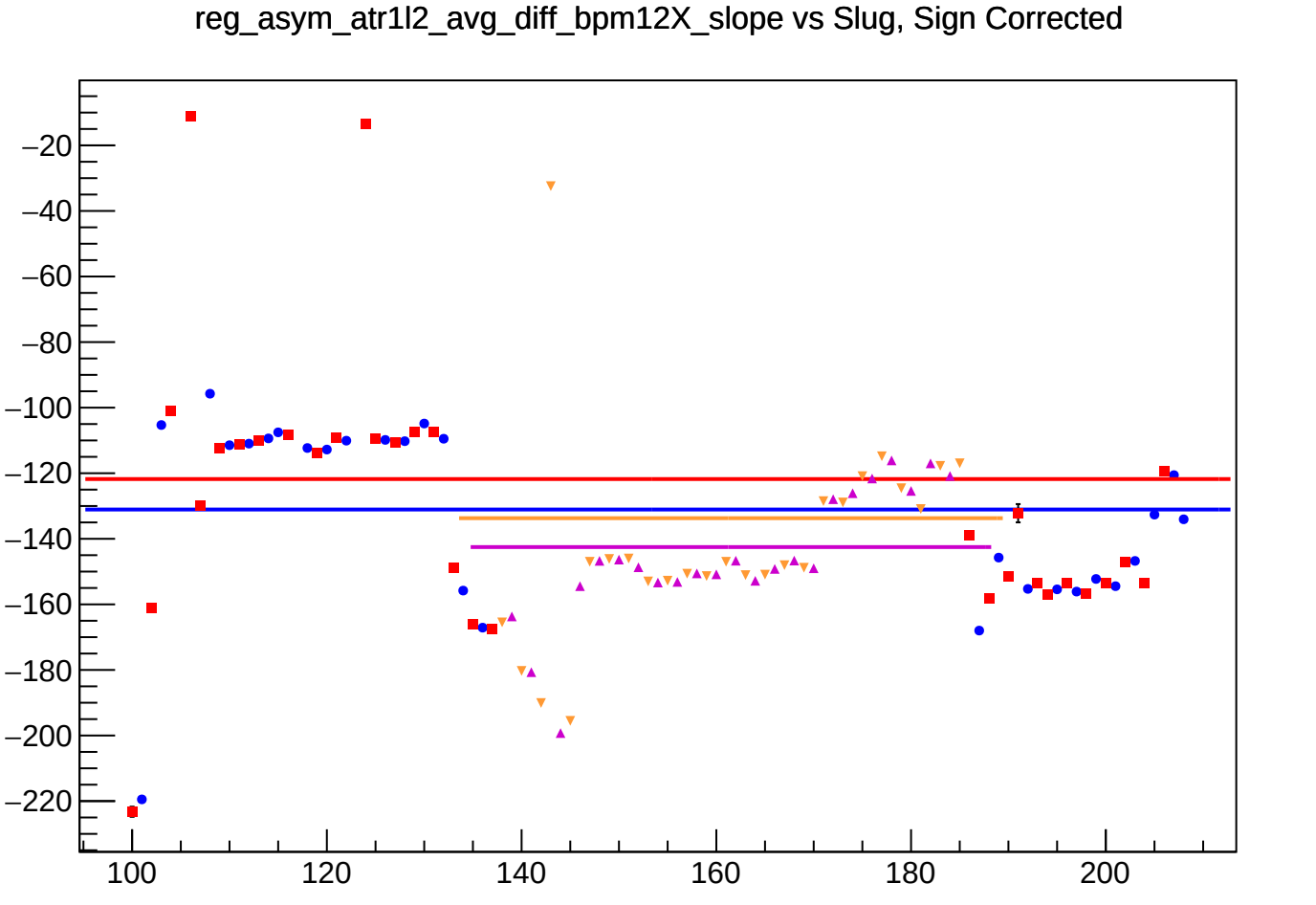
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 28.465+/-0.777 χ^2/NDF: 385.3/57

In: 46.442+/-0.733 χ^2/NDF:903.6/49

Out: 42.695+/-0.703 χ^2/NDF:1264.1/55

All: 44.489+/-0.508 χ^2/NDF: 2181.3/105



Right In: -131.070+/-0.061 χ^2/NDF: 174632.8/26

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.775+/-0.059 χ^2/NDF: 495616.6/30

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

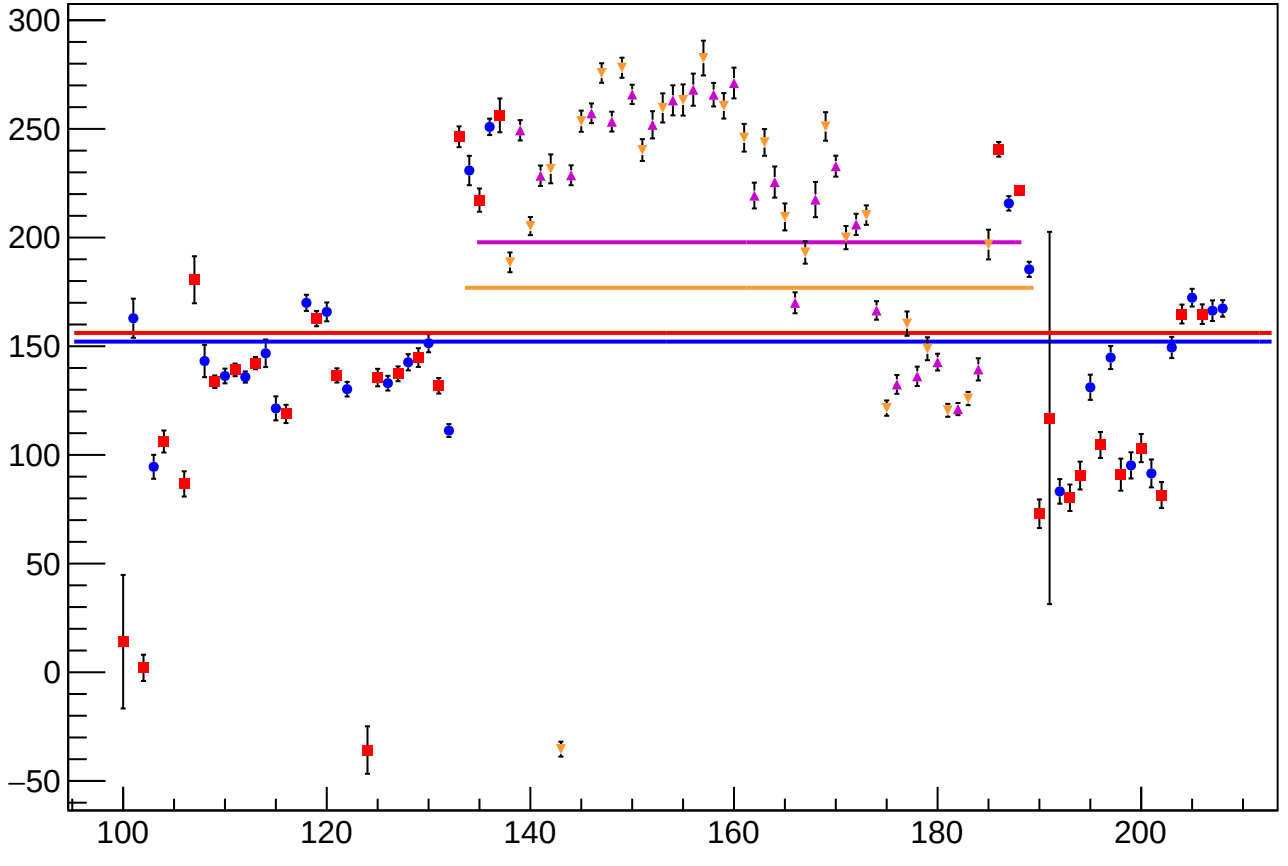
Right: -126.237+/-0.042 χ^2/NDF: 682210.9/57

In: -138.576+/-0.036 χ^2/NDF:375992.1/49

Out: -129.580+/-0.035 χ^2/NDF:1198406.2/55

All: -133.909+/-0.025 χ^2/NDF: 1606859.9/10

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 152.126+/-0.808 χ^2/NDF: 2176.5/26

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 156.122+/-0.754 χ^2/NDF: 5002.6/30

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

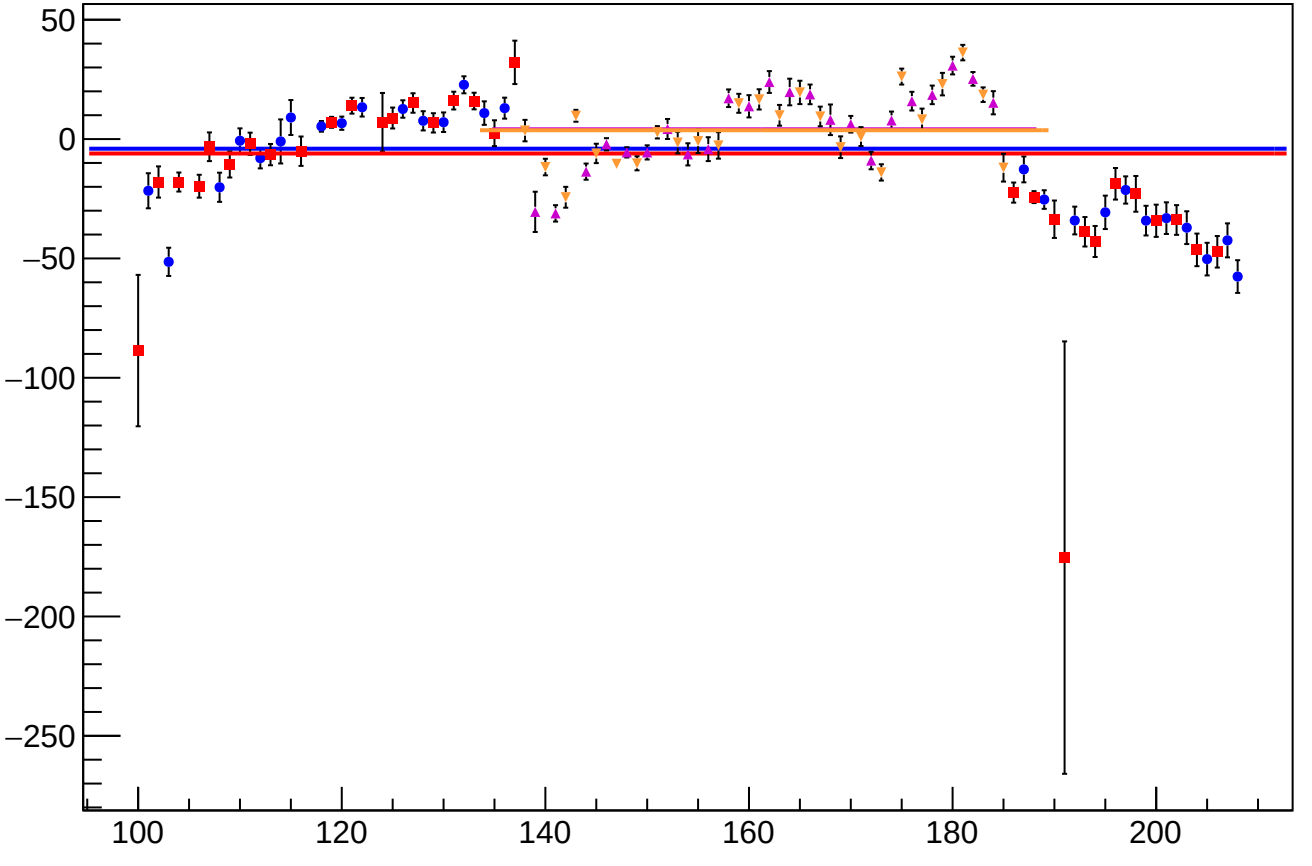
Right: 154.264+/-0.551 χ^2/NDF: 7192.2/57

In: 170.054+/-0.630 χ^2/NDF:6398.4/49

Out: 164.063+/-0.592 χ^2/NDF:12717.6/55

All: 166.872+/-0.432 χ^2/NDF: 19164.1/105

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.029+/-0.886 χ^2/NDF: 535.8/26

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -6.040+/-0.848 χ^2/NDF: 507.5/30

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

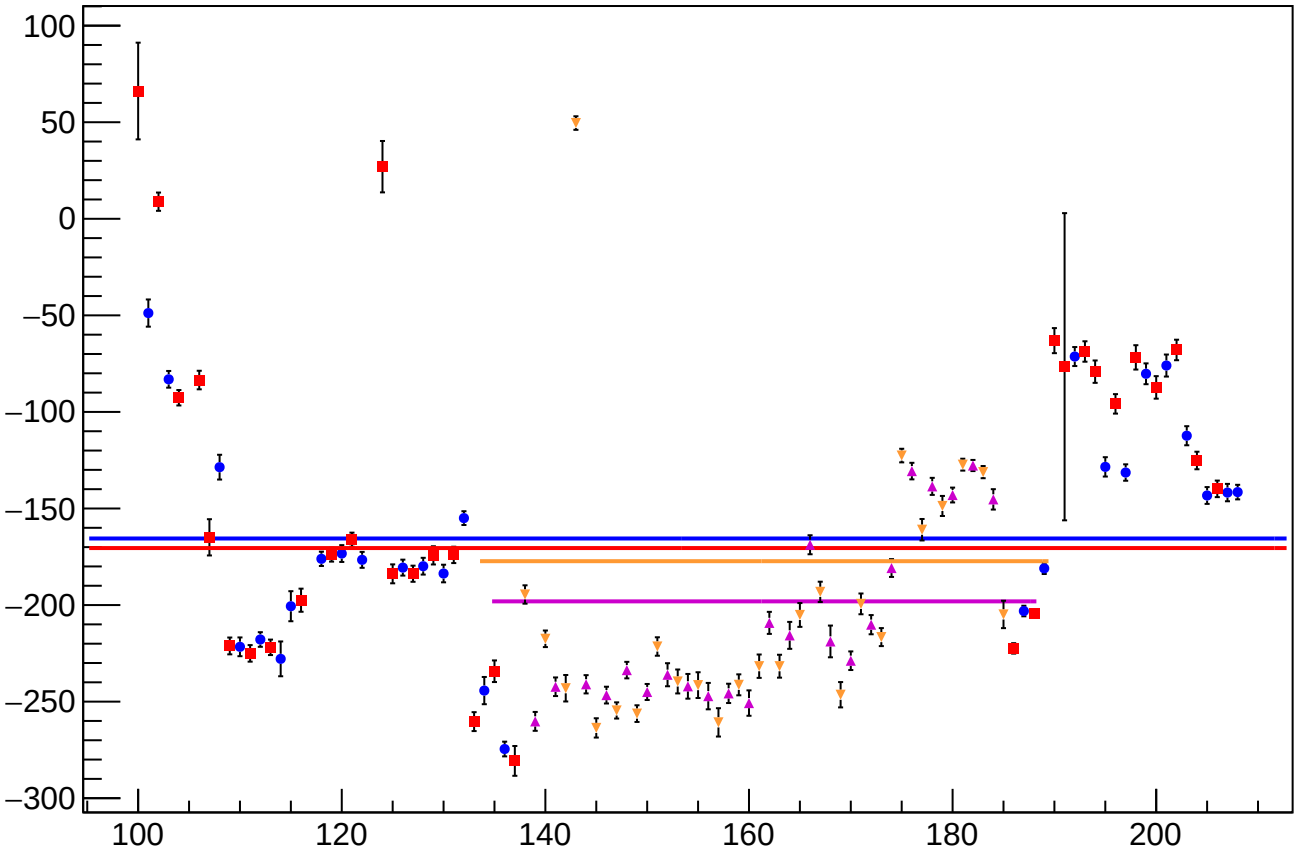
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -5.079+/-0.613 χ^2/NDF: 1046.0/57

In: 0.612+/-0.581 χ^2/NDF:982.7/49

Out: -0.400+/-0.550 χ^2/NDF:985.0/55

All: 0.079+/-0.399 χ^2/NDF: 1969.3/105



Right In: -165.530+/-0.840 χ^2/NDF: 3482.8/26

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -170.487+/-0.755 χ^2/NDF: 6648.0/30

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

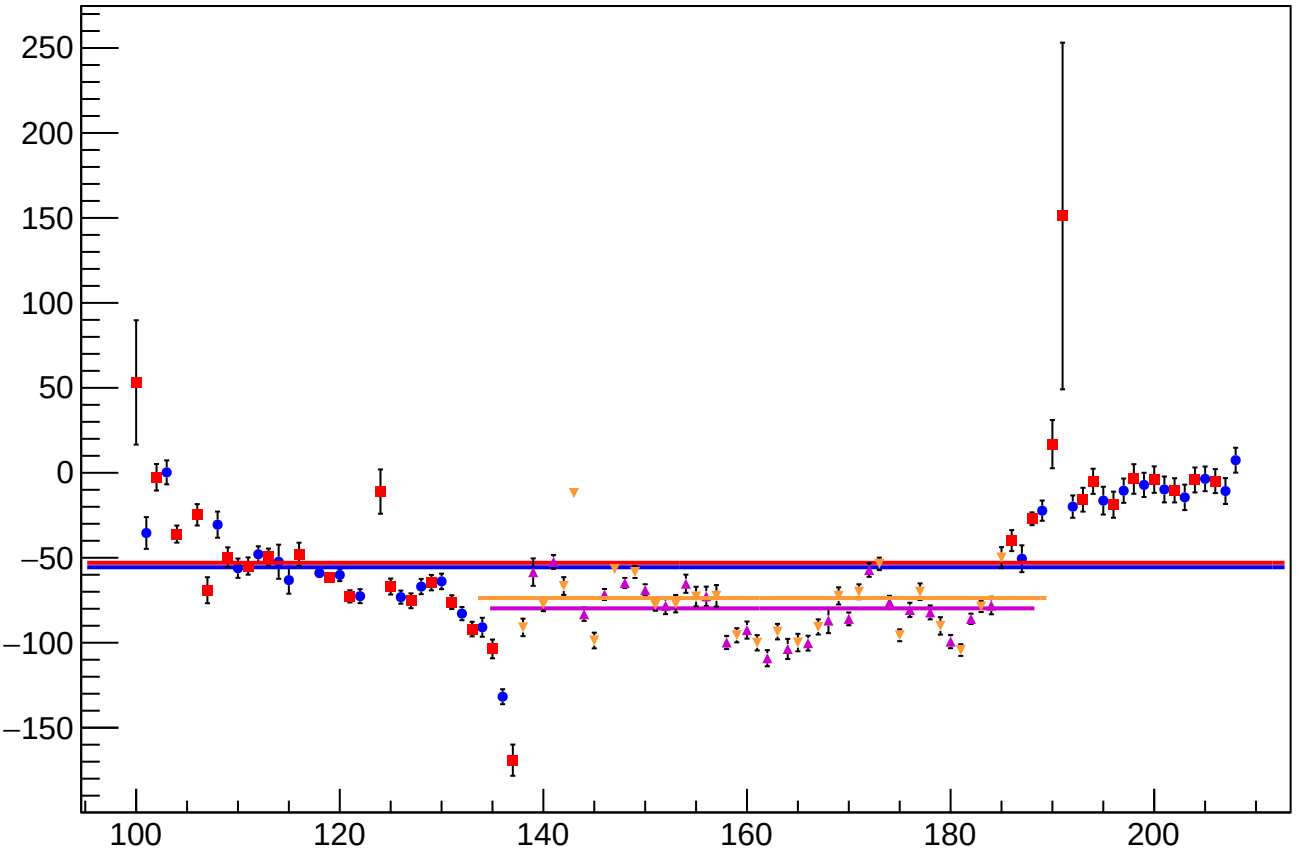
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -168.272+/-0.561 χ^2/NDF: 10150.1/57

In: -178.998+/-0.643 χ^2/NDF:6490.6/49

Out: -173.096+/-0.592 χ^2/NDF:13719.1/55

All: -175.805+/-0.436 χ^2/NDF: 20255.2/105



Right In: -55.591+/-1.038 χ^2/NDF: 916.0/26

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -52.956+/-1.010 χ^2/NDF: 905.7/30

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

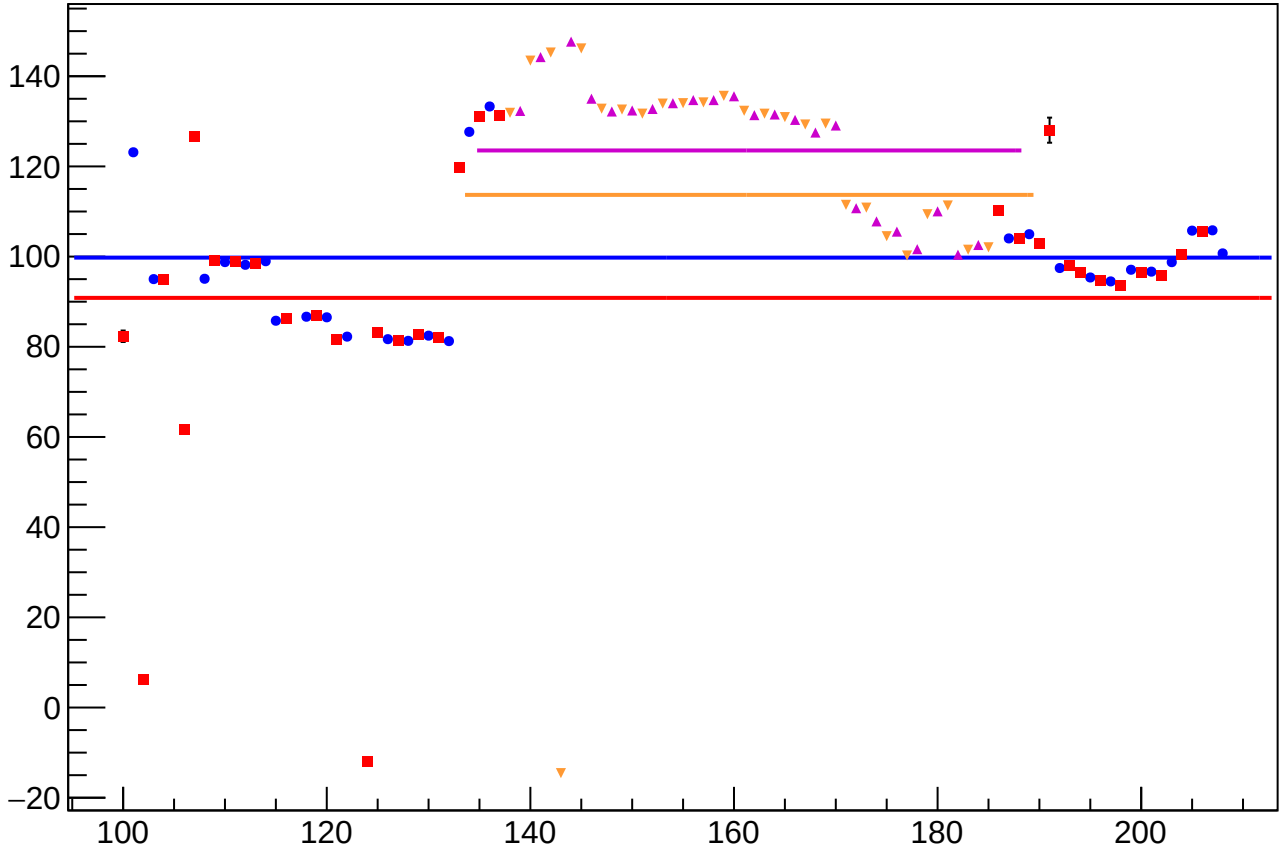
Right: -54.237+/-0.724 χ^2/NDF: 1825.0/57

In: -69.743+/-0.669 χ^2/NDF:1510.8/49

Out: -65.355+/-0.641 χ^2/NDF:1997.6/55

All: -67.456+/-0.463 χ^2/NDF: 3530.8/105

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.775+/-0.054 χ^2/NDF: 70049.1/26

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.847+/-0.051 χ^2/NDF: 287688.3/30

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

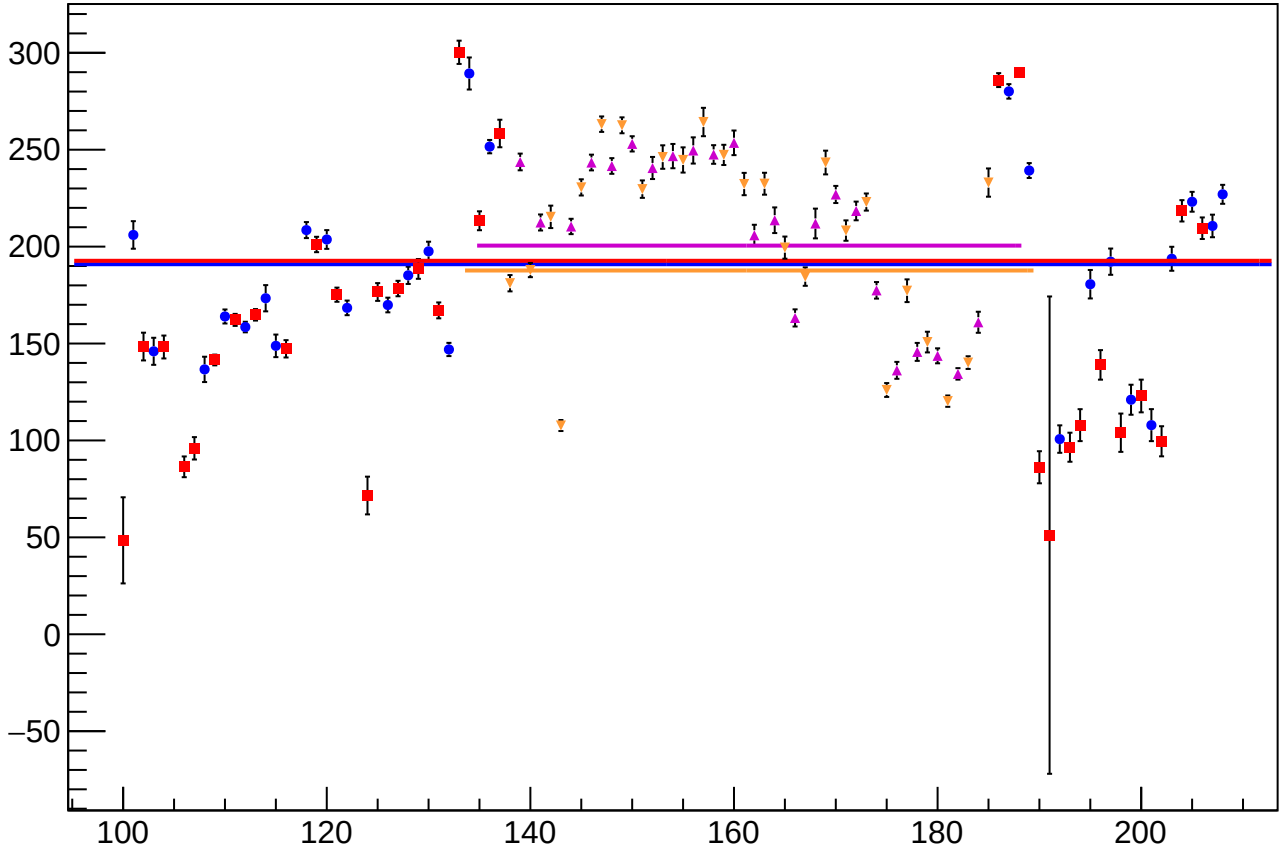
Right: 95.070+/-0.037 χ^2/NDF: 372312.8/57

In: 115.161+/-0.032 χ^2/NDF:331501.5/49

Out: 105.405+/-0.031 χ^2/NDF:1379400.3/55

All: 110.087+/-0.022 χ^2/NDF: 1759605.0/105

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

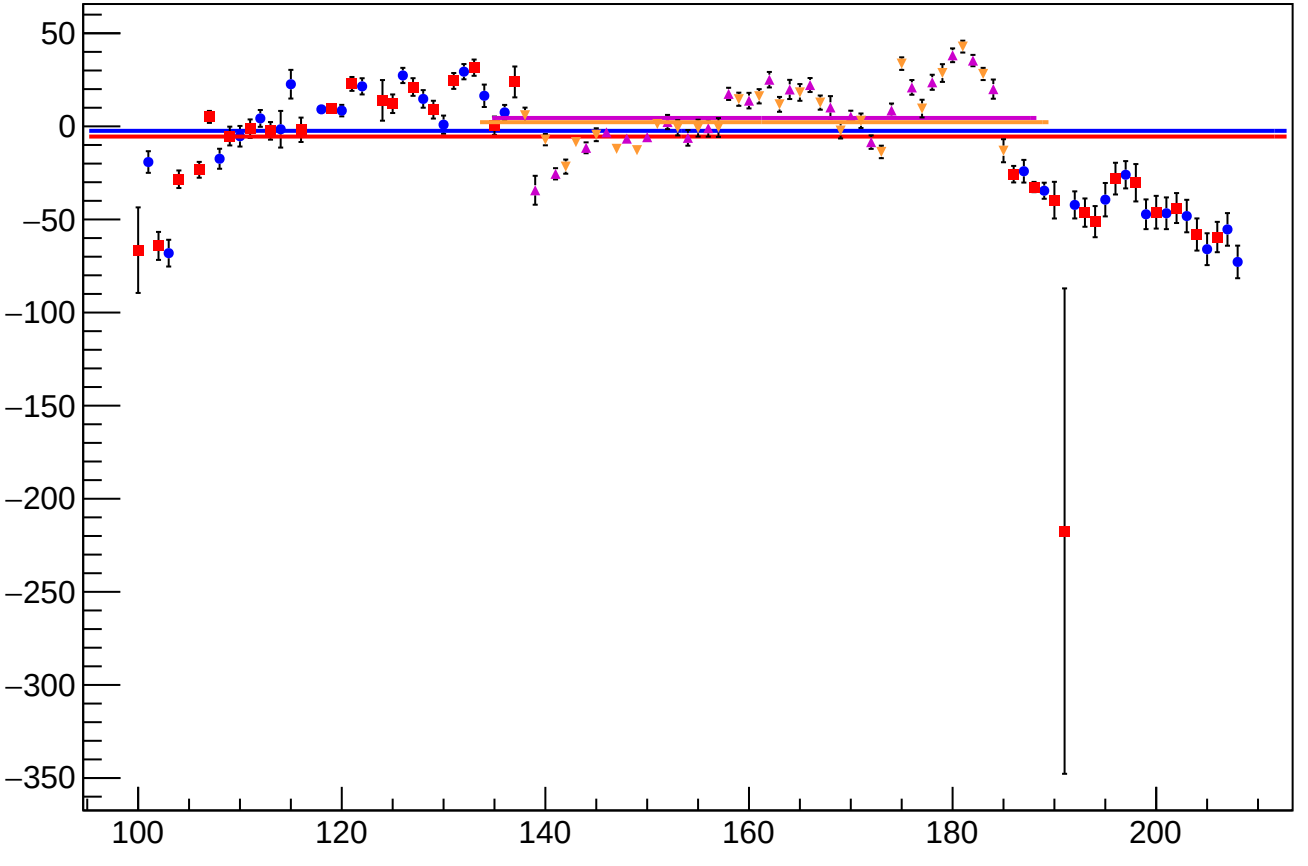
Right: 191.887+/-0.612 χ^2/NDF: 8265.6/57

In: 195.488+/-0.659 χ^2/NDF:4423.3/49

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.734+/-0.447 χ^2/NDF: 14005.4/105

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

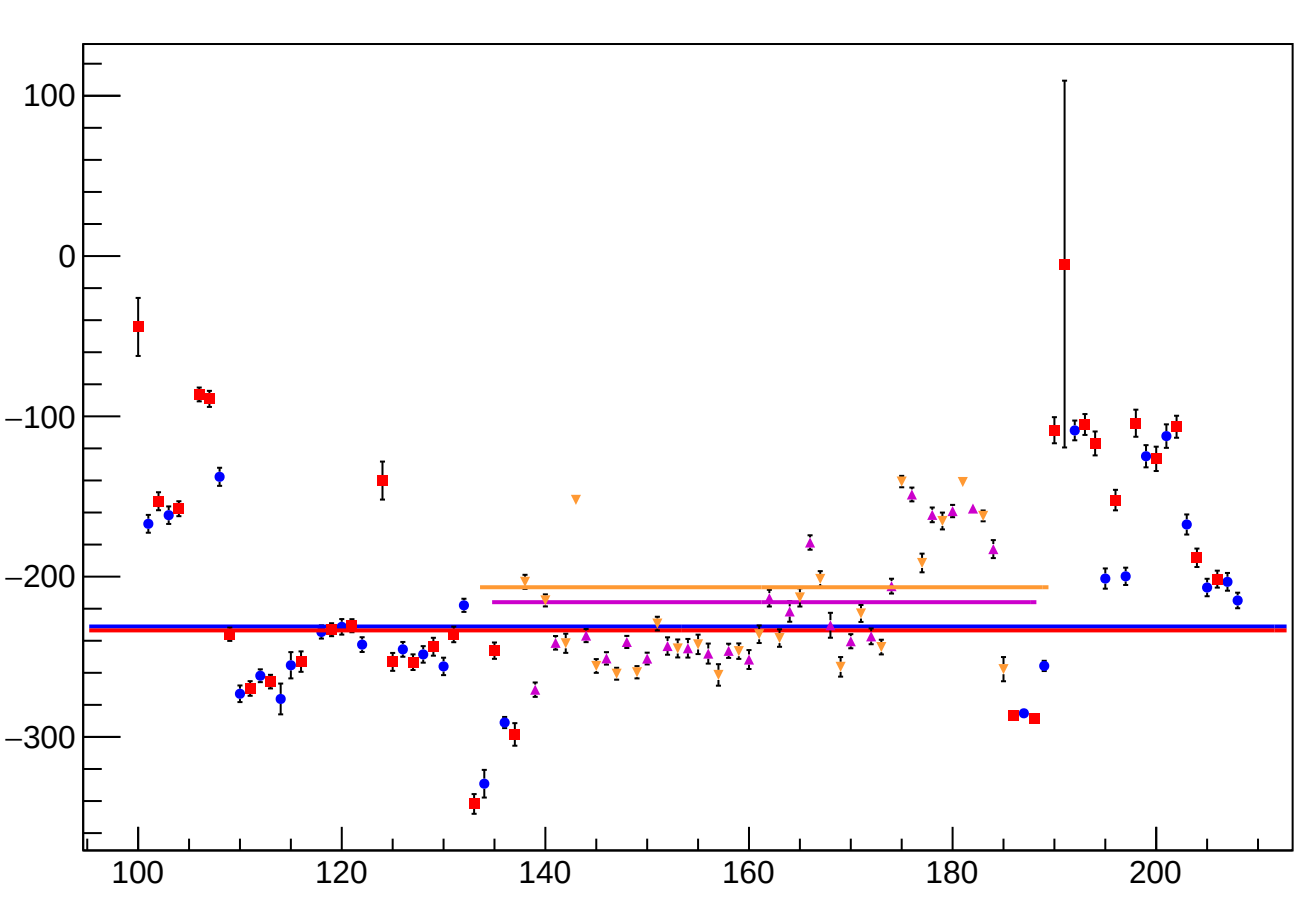
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -4.064+/-0.673 χ^2/NDF: 1426.2/57

In: 2.145+/-0.579 χ^2/NDF:1266.5/49

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 0.769+/-0.394 χ^2/NDF: 2658.2/105



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

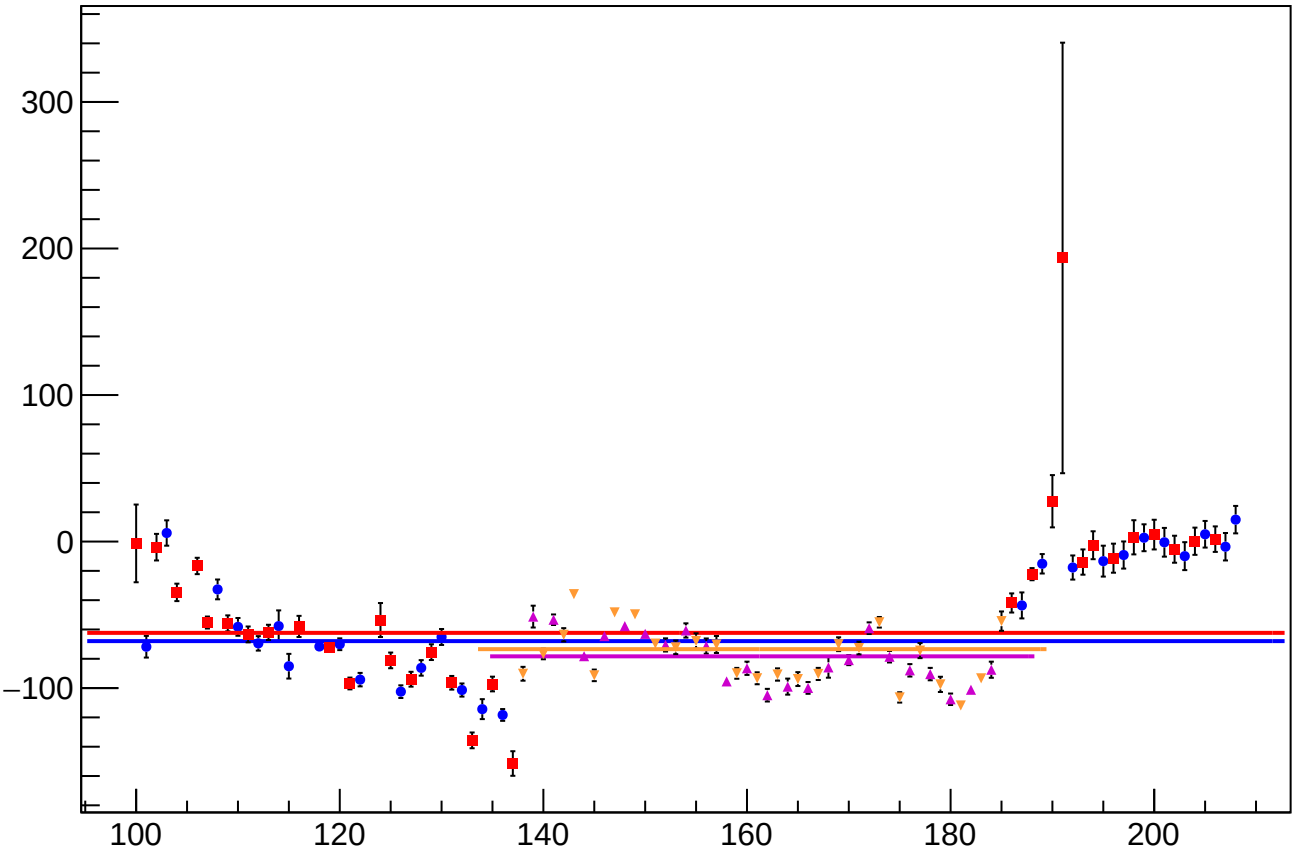
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.486+/-0.626 χ^2/NDF: 9346.1/57

In: -223.491+/-0.670 χ^2/NDF:4523.0/49

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.149+/-0.451 χ^2/NDF: 14142.5/105



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

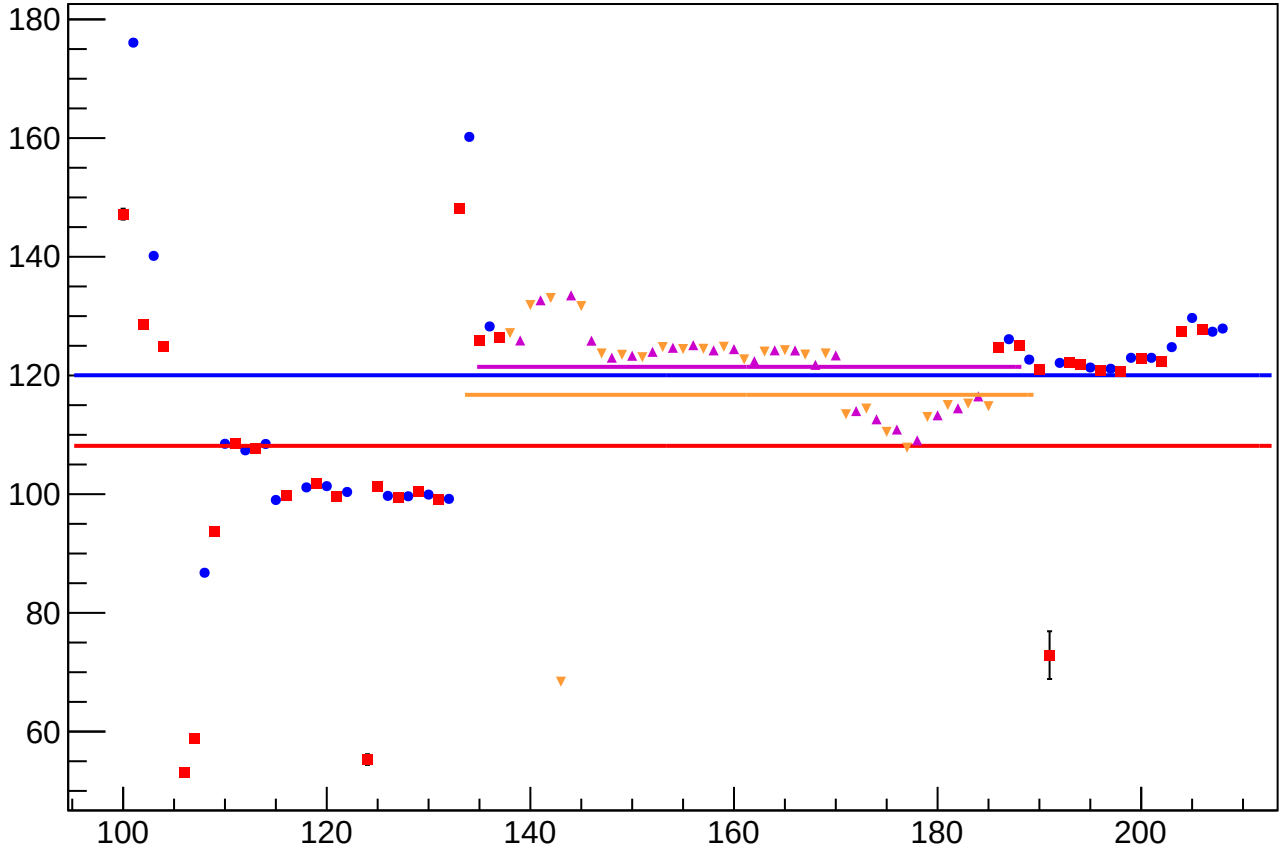
Right: -64.960+/-0.796 χ^2/NDF: 2120.0/57

In: -74.883+/-0.668 χ^2/NDF:1482.3/49

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.167+/-0.458 χ^2/NDF: 3541.2/105

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

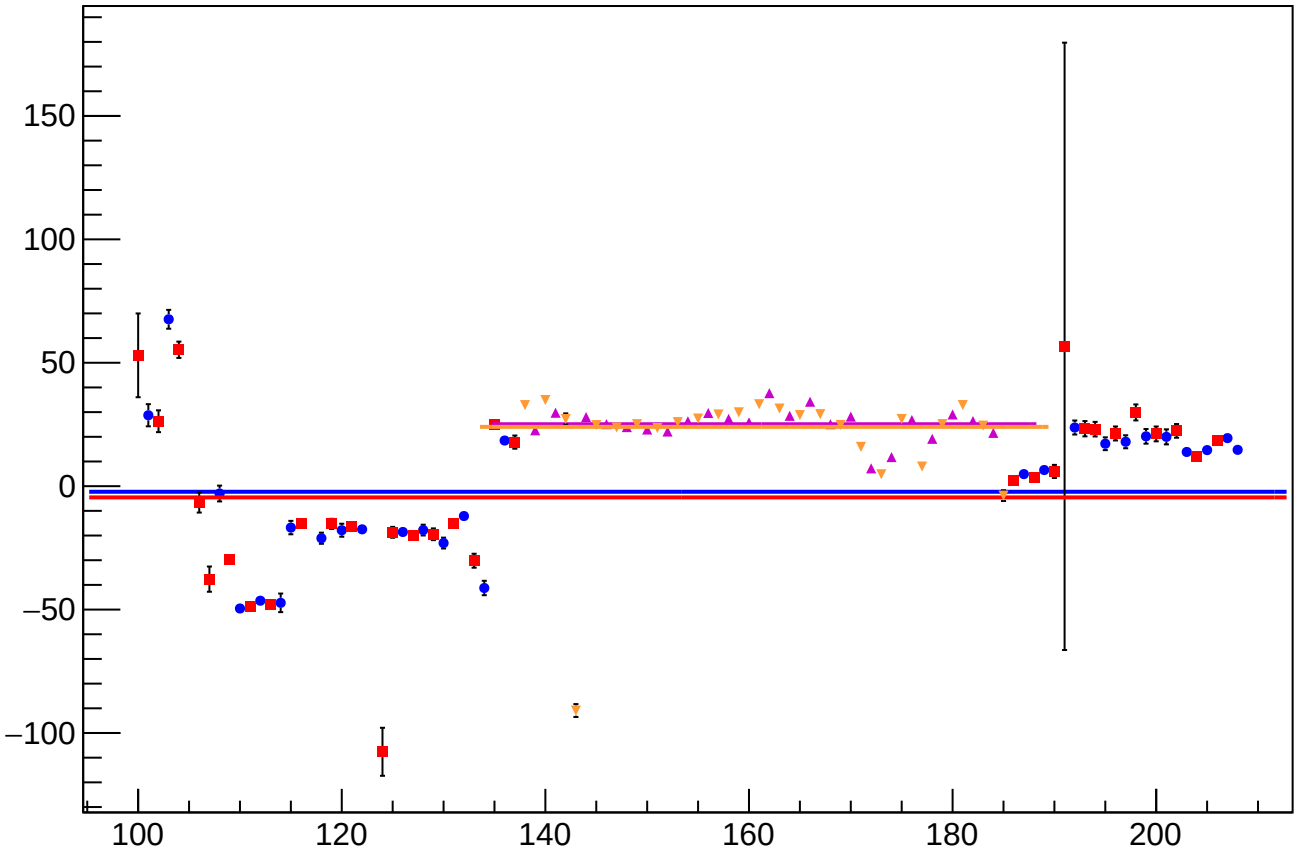
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 113.583+/-0.041 χ^2/NDF: 326672.0/57

In: 121.071+/-0.032 χ^2/NDF:127575.8/49

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.485+/-0.022 χ^2/NDF: 579785.2/105



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

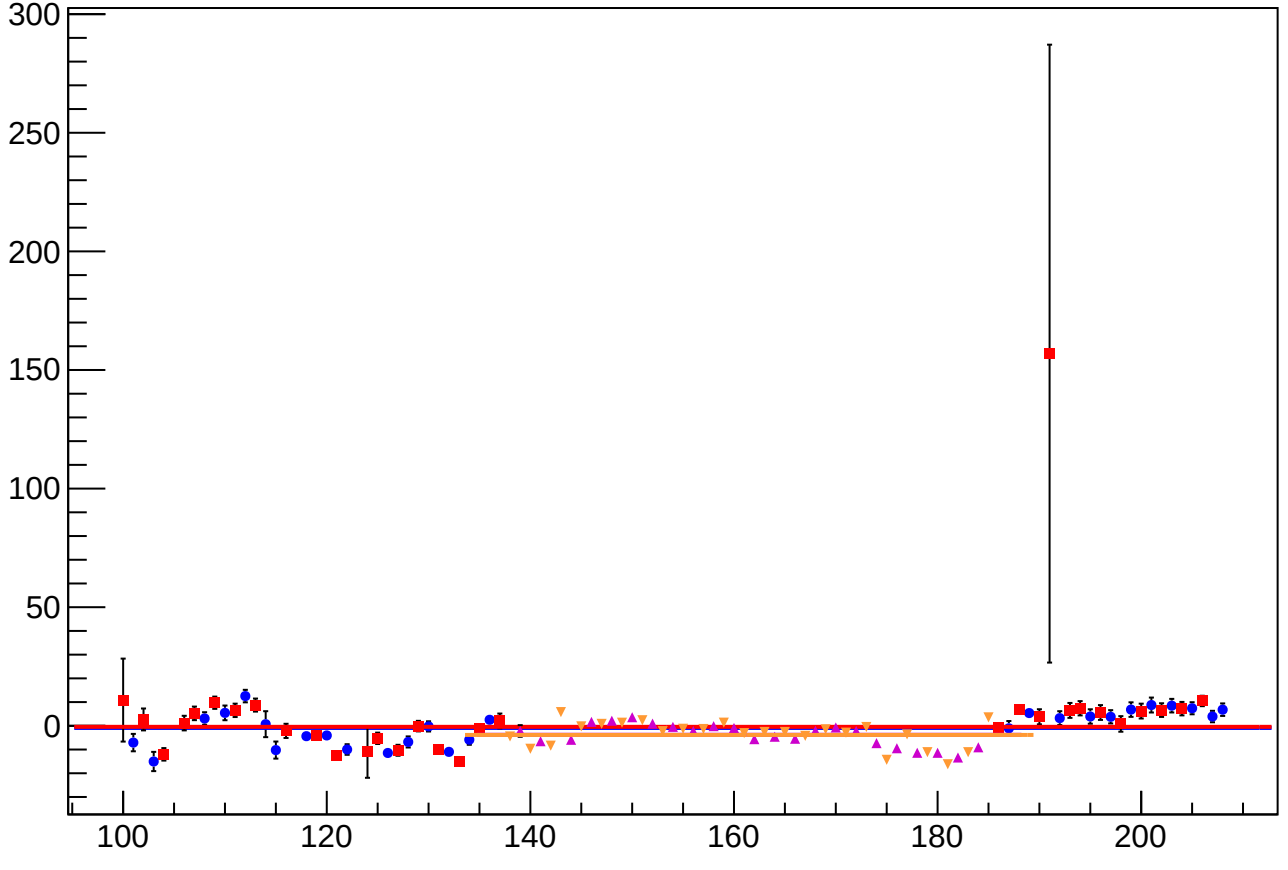
Right: -3.457+/-0.280 χ^2/NDF: 7289.2/57

In: 15.904+/-0.234 χ^2/NDF:7100.9/49

Out: 14.119+/-0.228 χ^2/NDF:10073.9/55

All: 14.988+/-0.163 χ^2/NDF: 17204.6/105

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

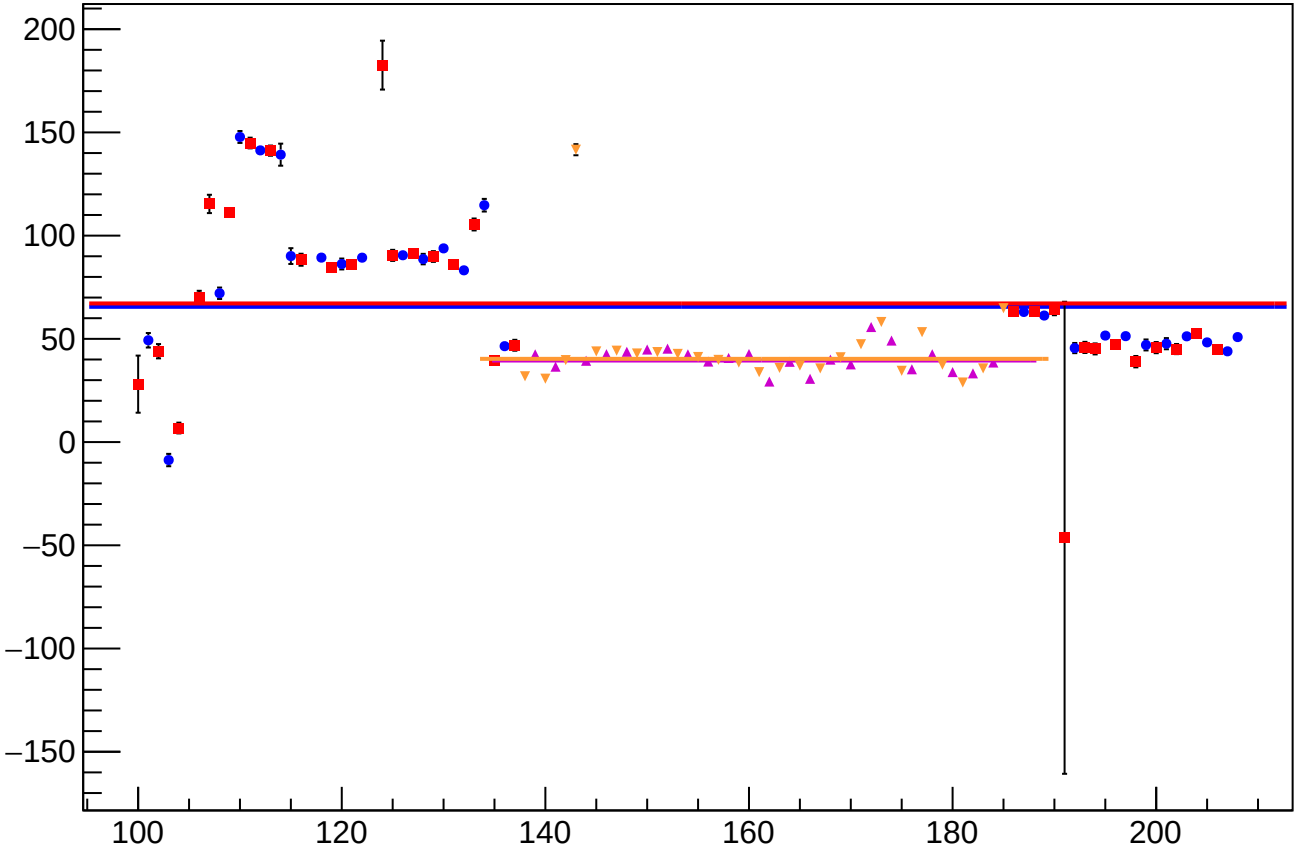
Right: -0.655+/-0.319 χ^2/NDF: 498.1/57

In: -3.225+/-0.201 χ^2/NDF:757.0/49

Out: -3.183+/-0.196 χ^2/NDF:979.4/55

All: -3.203+/-0.140 χ^2/NDF: 1736.5/105

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

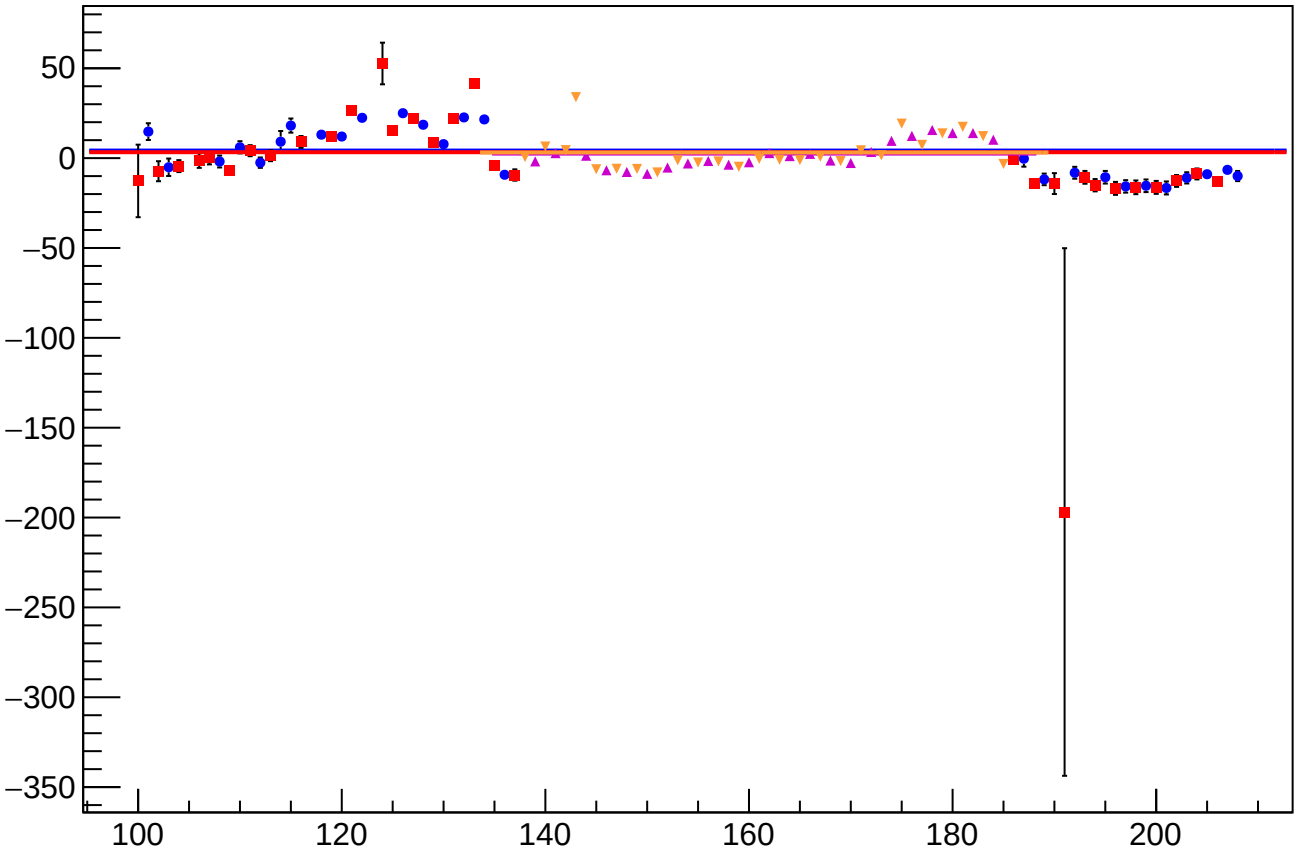
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 66.396+/-0.281 χ^2/NDF: 9360.9/57

In: 47.879+/-0.234 χ^2/NDF:7723.7/49

Out: 49.655+/-0.226 χ^2/NDF:10125.1/55

All: 48.799+/-0.163 χ^2/NDF: 17878.4/105



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

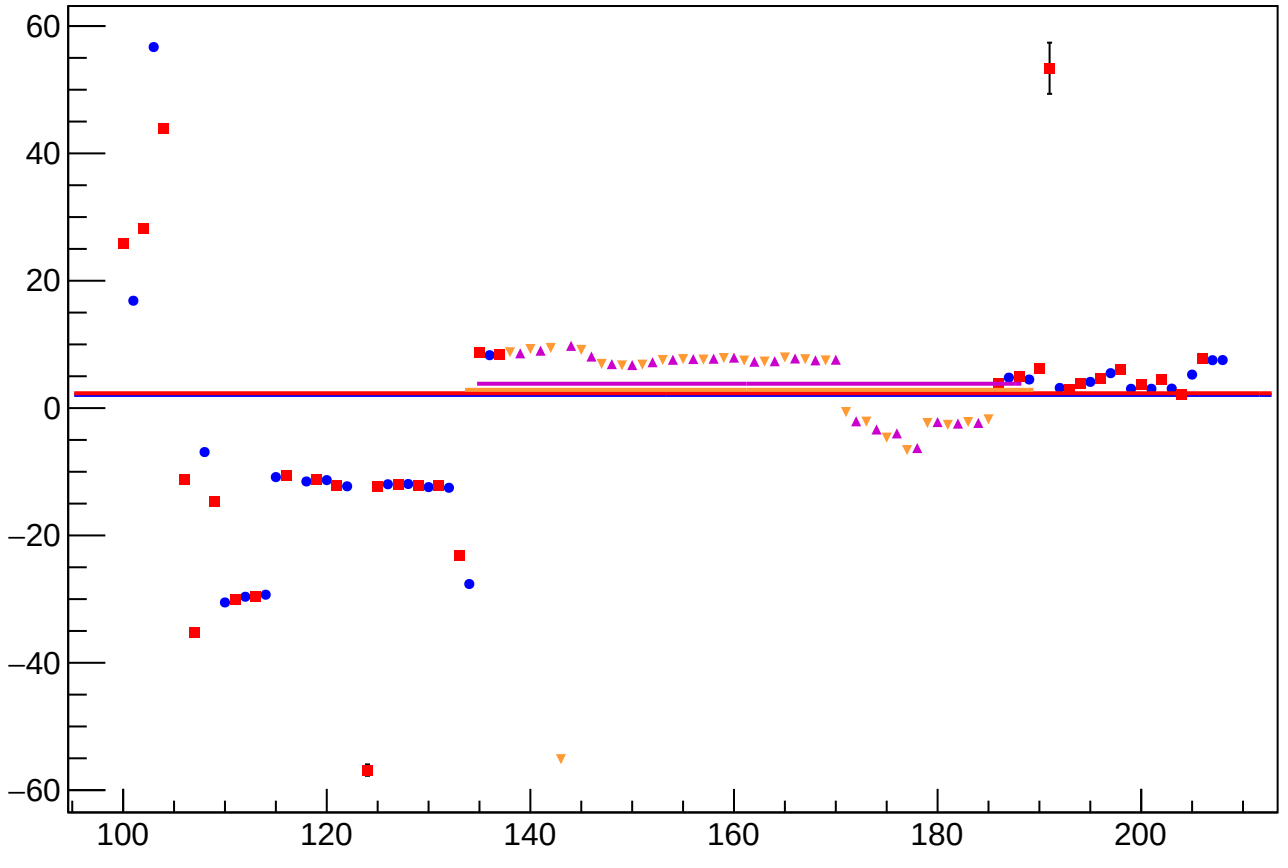
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 3.755+/-0.371 χ^2/NDF: 1594.7/57

In: 2.833+/-0.227 χ^2/NDF:1677.7/49

Out: 3.171+/-0.222 χ^2/NDF:2159.2/55

All: 3.005+/-0.159 χ^2/NDF: 3838.0/105



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

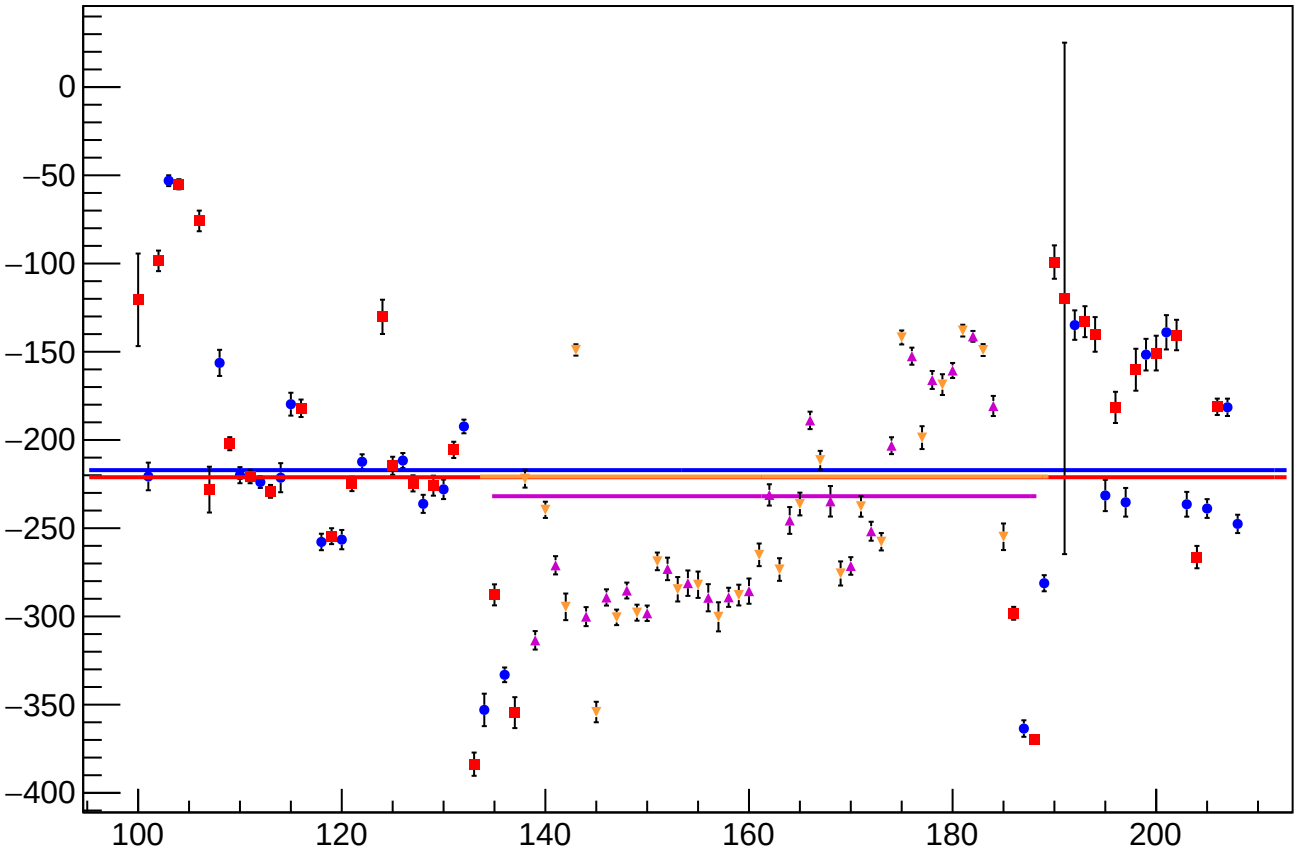
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.198+/-0.018 χ^2/NDF: 712598.6/57

In: 3.533+/-0.010 χ^2/NDF:619739.3/49

Out: 2.783+/-0.010 χ^2/NDF:842913.6/55

All: 3.155+/-0.007 χ^2/NDF: 1465410.3/105



Right In: -217.092+/-0.997 χ^2/NDF: 5658.2/26

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.108+/-0.921 χ^2/NDF: 10257.3/30

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

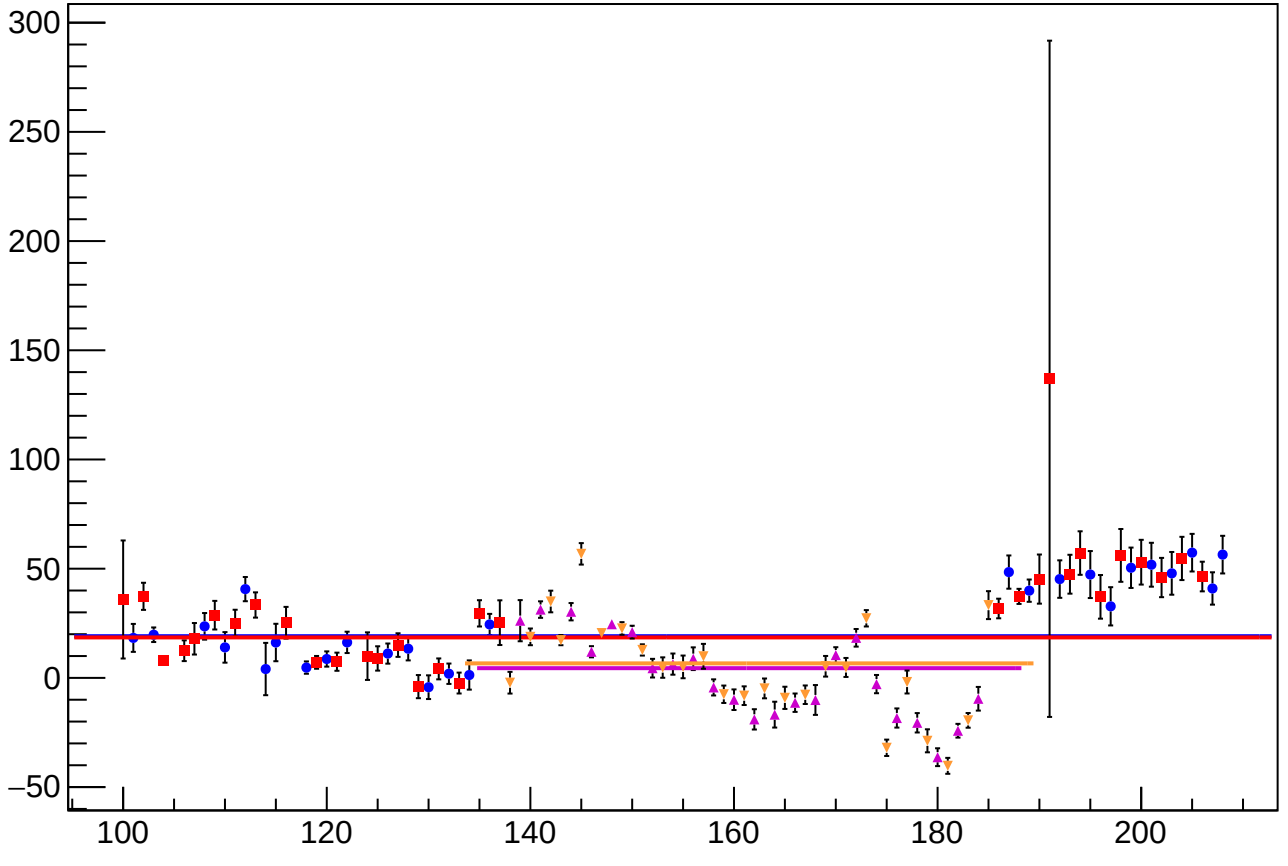
Right: -219.260+/-0.677 χ^2/NDF: 15924.2/57

In: -223.916+/-0.732 χ^2/NDF:8919.9/49

Out: -220.935+/-0.683 χ^2/NDF:14309.6/55

All: -222.323+/-0.499 χ^2/NDF: 23238.4/105

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.092+/-1.079 χ^2/NDF: 225.8/26

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 18.528+/-0.986 χ^2/NDF: 254.1/30

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

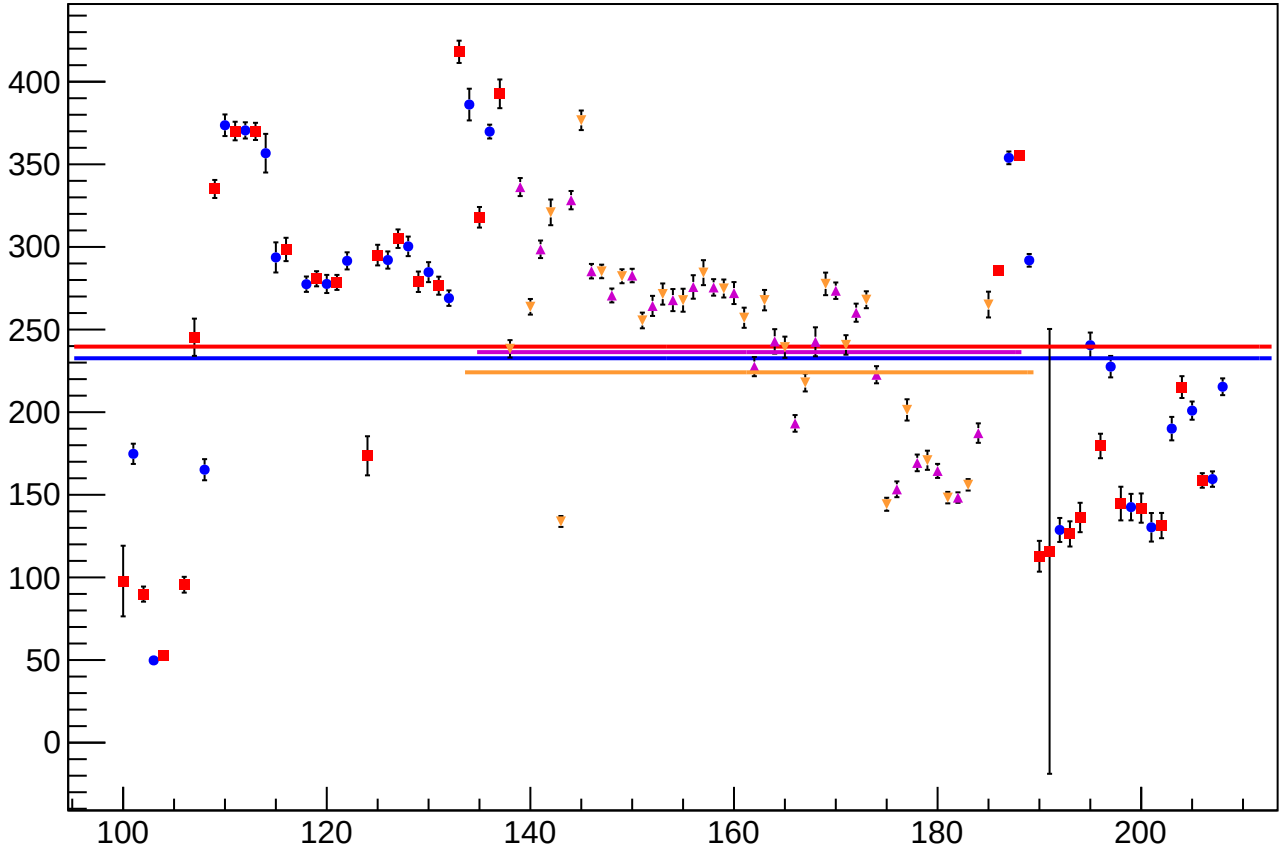
Right: 18.785+/-0.728 χ^2/NDF: 480.0/57

In: 9.703+/-0.646 χ^2/NDF:911.1/49

Out: 11.019+/-0.598 χ^2/NDF:1080.9/55

All: 10.412+/-0.439 χ^2/NDF: 1994.2/105

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 232.630+/-1.004 χ^2/NDF: 11409.5/26

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 239.679+/-0.898 χ^2/NDF: 16967.6/30

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

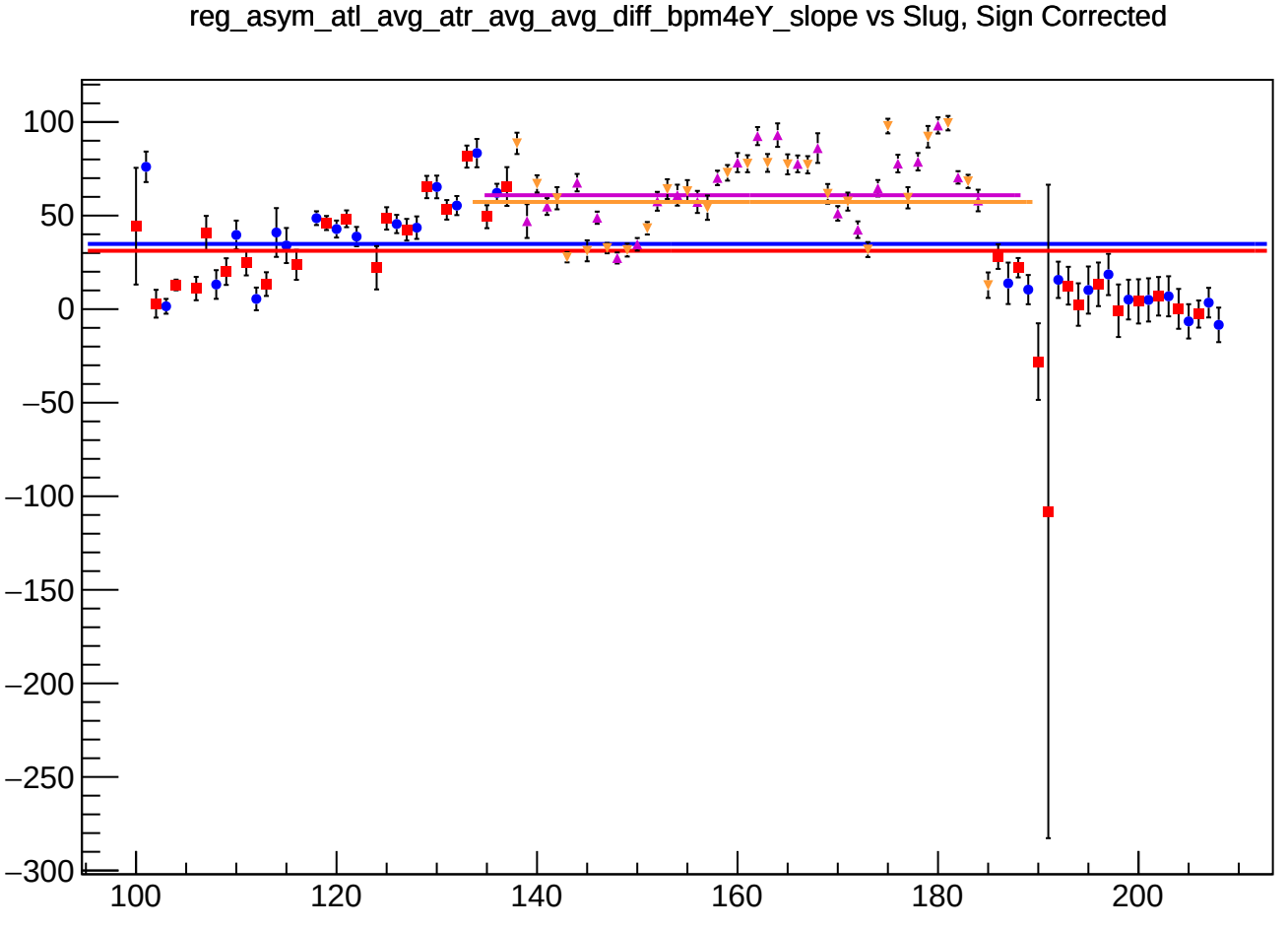
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 236.547+/-0.669 χ^2/NDF: 28404.6/57

In: 234.374+/-0.731 χ^2/NDF:14408.9/49

Out: 232.840+/-0.672 χ^2/NDF:21066.2/55

All: 233.543+/-0.495 χ^2/NDF: 35477.5/105



Right In: 34.844+/-1.264 χ^2/NDF: 369.7/26

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 31.190+/-1.184 χ^2/NDF: 335.7/30

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

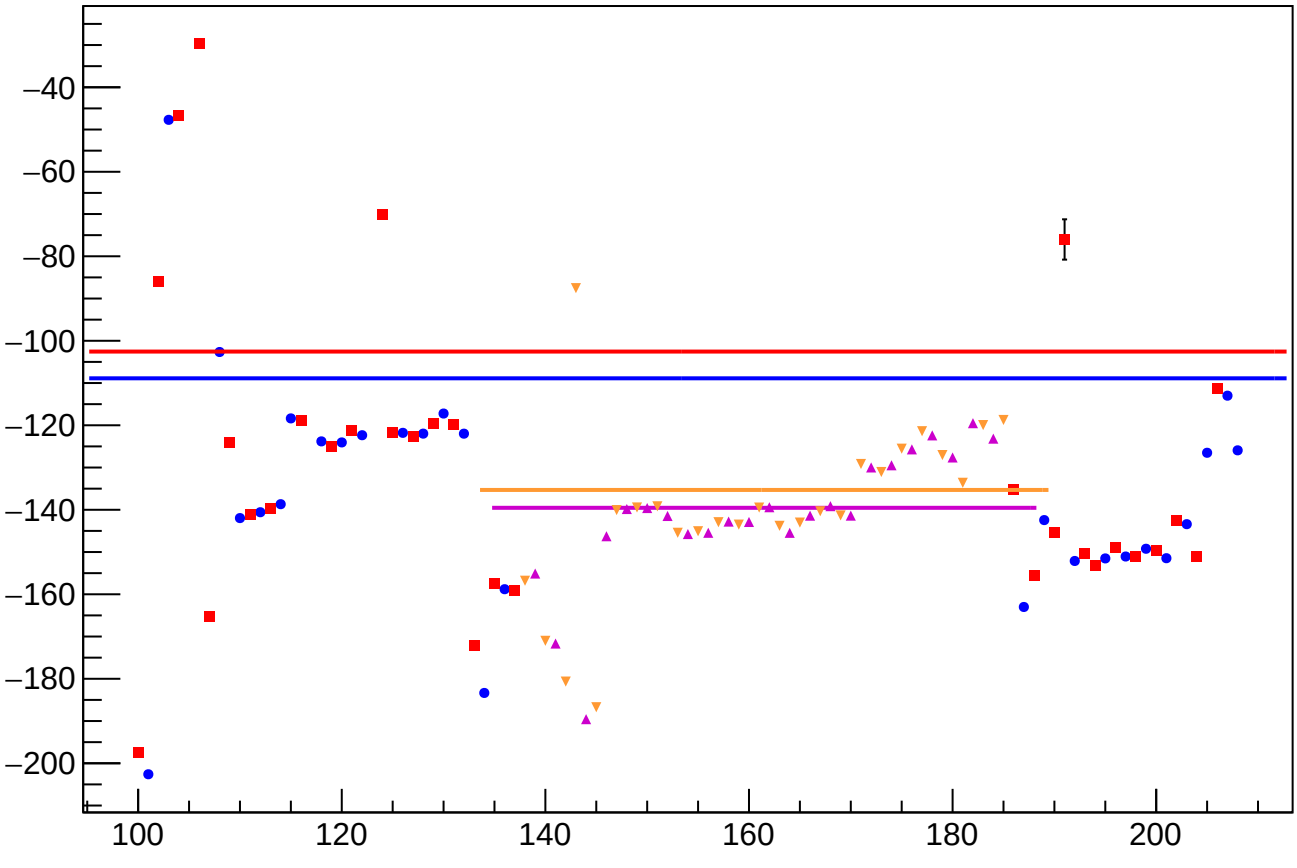
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 32.898+/-0.864 χ^2/NDF: 709.8/57

In: 51.825+/-0.745 χ^2/NDF:1101.3/49

Out: 48.162+/-0.700 χ^2/NDF:1419.6/55

All: 49.879+/-0.510 χ^2/NDF: 2533.8/105



Right In: -108.884+/-0.058 χ^2/NDF: 664700.3/26

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -102.553+/-0.056 χ^2/NDF: 719498.2/30

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

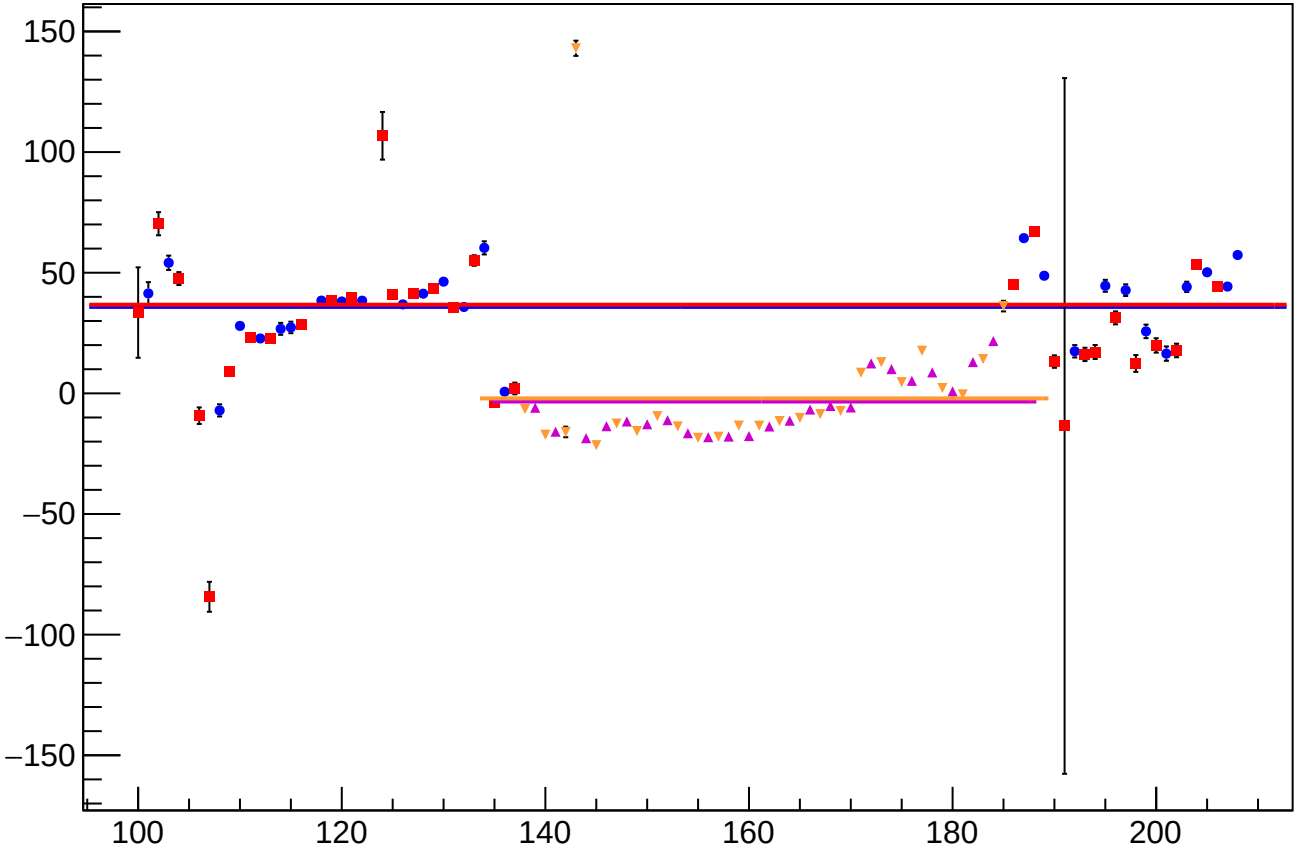
Right: -105.610+/-0.041 χ^2/NDF: 1390280.0/57

In: -129.043+/-0.034 χ^2/NDF:960500.0/49

Out: -124.139+/-0.033 χ^2/NDF:1204497.5/55

All: -126.503+/-0.024 χ^2/NDF: 2175676.2/10

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

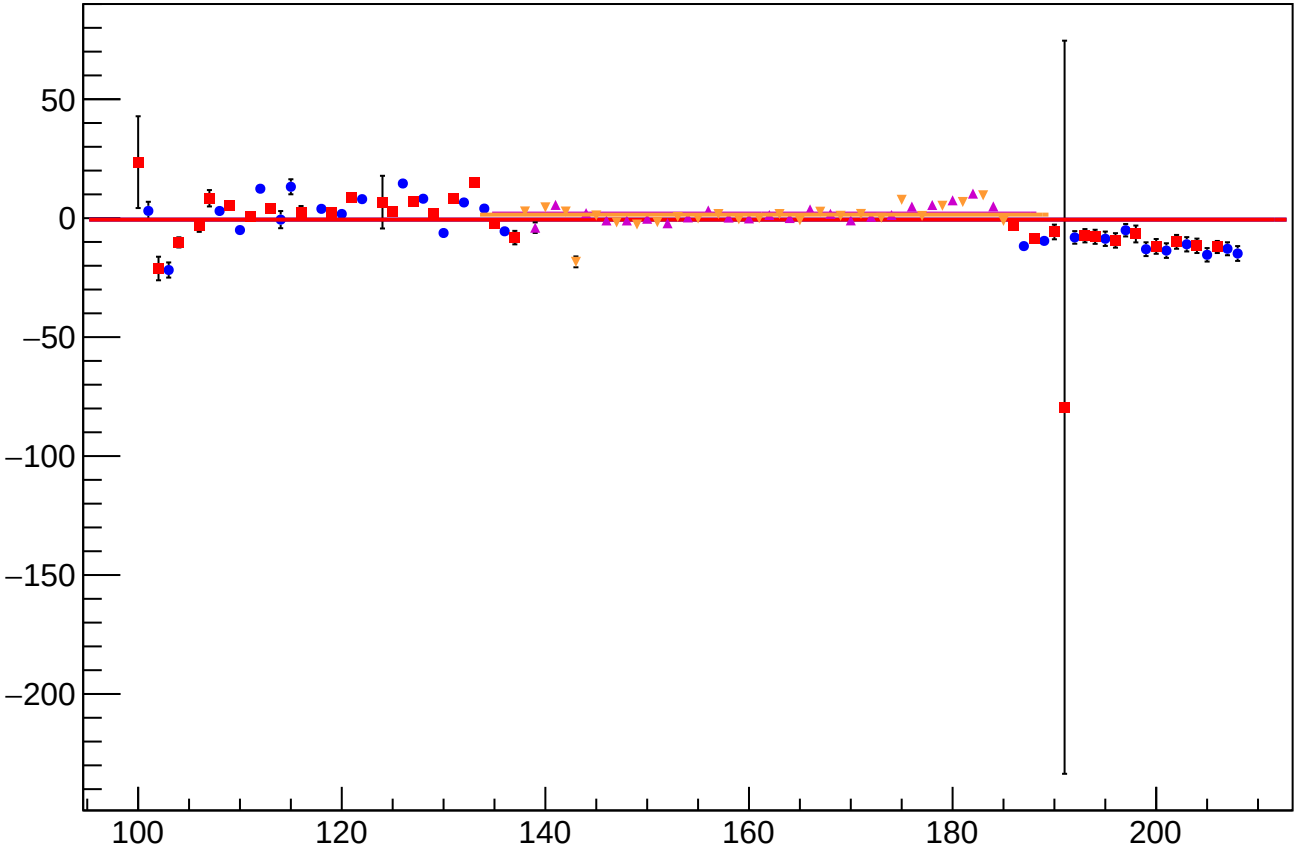
Right: 36.336+/-0.228 χ^2/NDF: 7264.9/57

In: 11.818+/-0.212 χ^2/NDF:12410.0/49

Out: 14.593+/-0.201 χ^2/NDF:18015.2/55

All: 13.278+/-0.146 χ^2/NDF: 30515.1/105

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

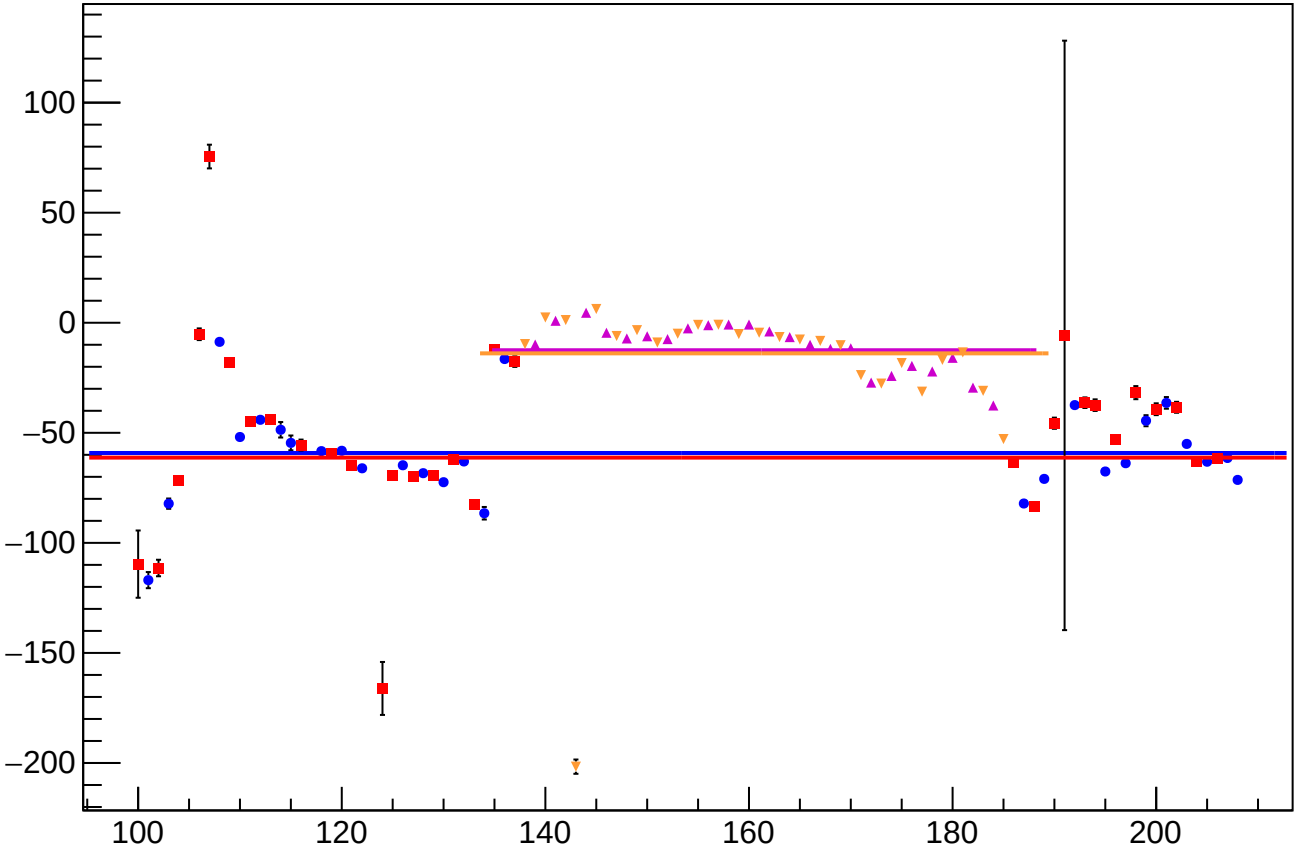
Right: -0.613+/-0.261 χ^2/NDF: 920.5/57

In: 1.340+/-0.184 χ^2/NDF:785.8/49

Out: 0.970+/-0.178 χ^2/NDF:764.0/55

All: 1.148+/-0.128 χ^2/NDF: 1551.9/105

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

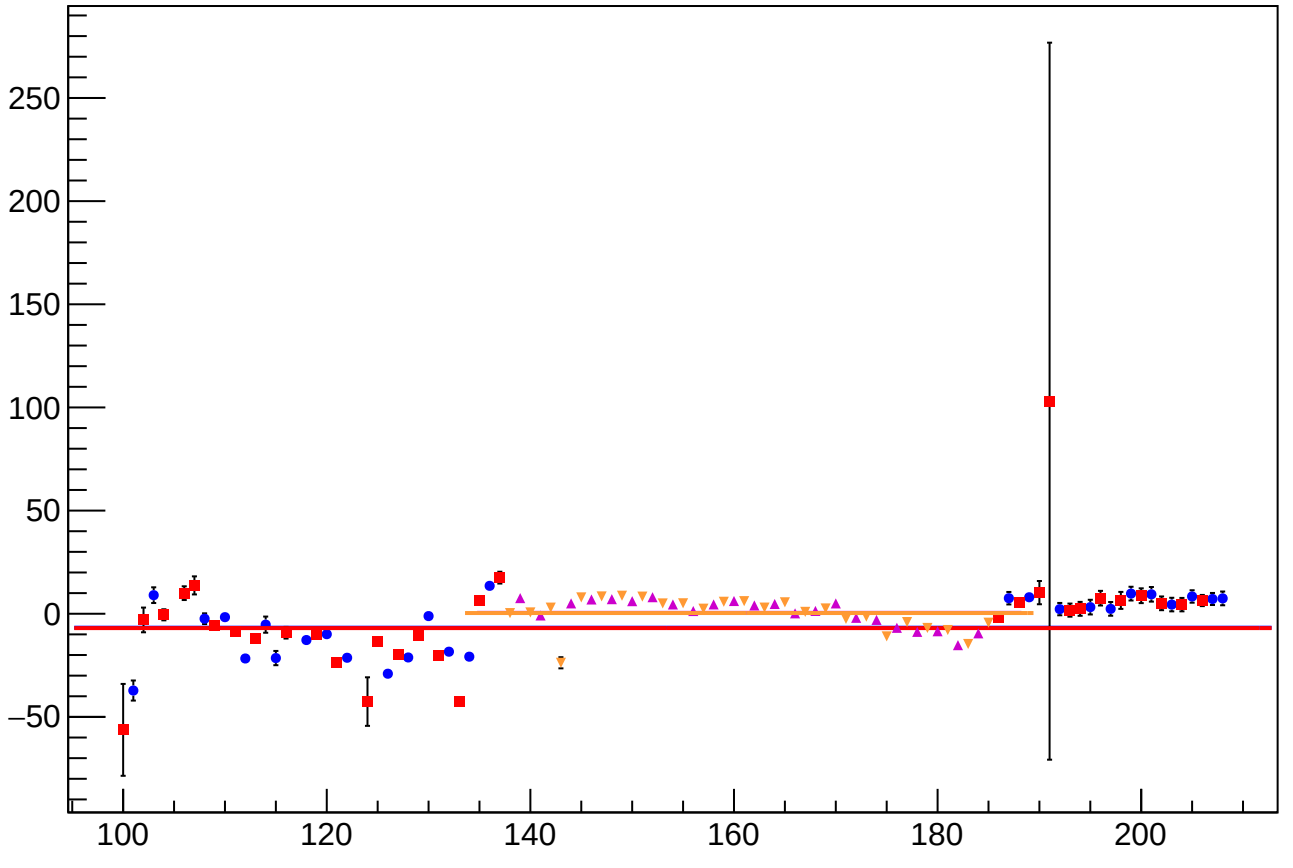
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

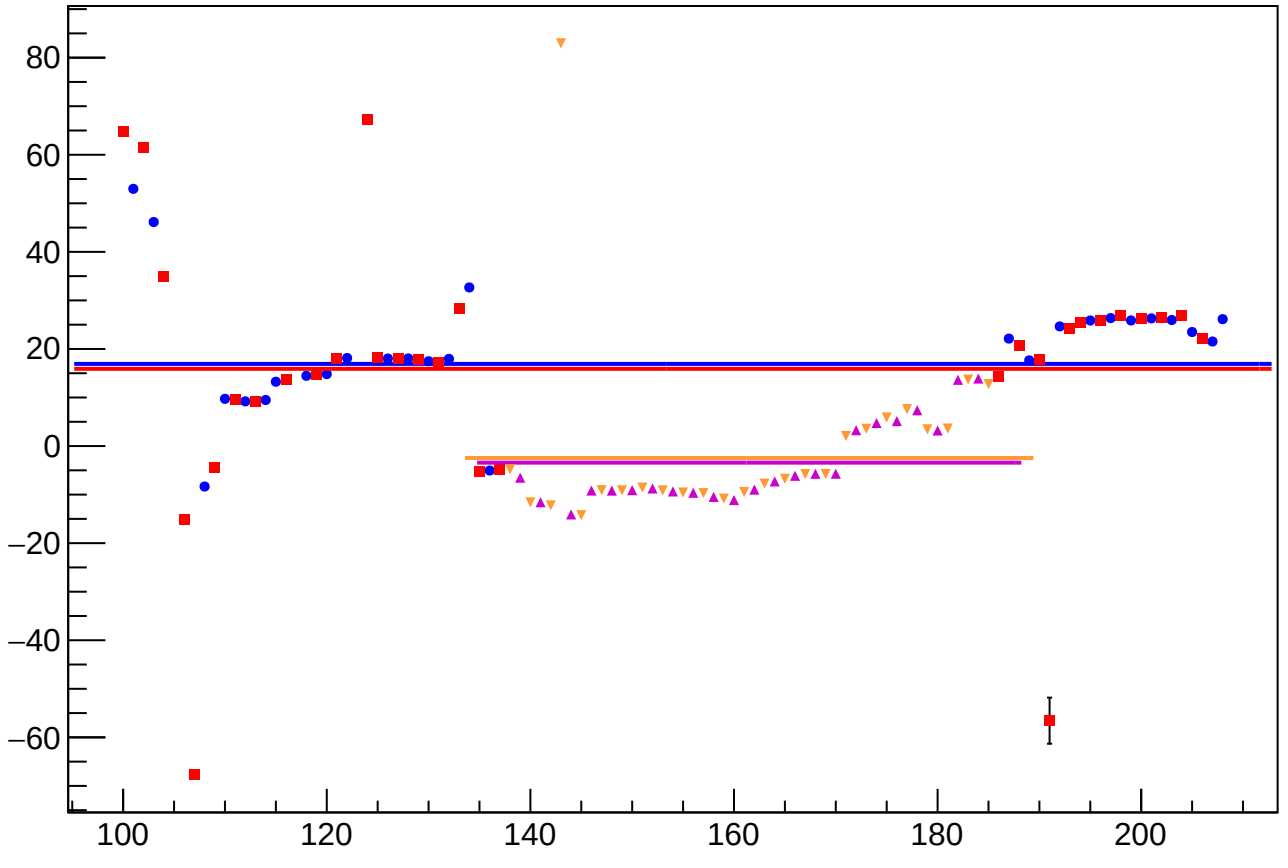
Right: -60.372+/-0.230 χ^2/NDF: 8870.5/57

In: -29.647+/-0.214 χ^2/NDF:15904.4/49

Out: -34.428+/-0.199 χ^2/NDF:24460.2/55

All: -32.204+/-0.146 χ^2/NDF: 40632.4/105


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -6.761+/-0.444 χ²/NDF: 936.8/26
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -6.959+/-0.431 χ²/NDF: 939.1/30
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -6.863+/-0.309 χ²/NDF: 1876.0/57
In: -1.158+/-0.209 χ²/NDF:1923.3/49
Out: -1.288+/-0.204 χ²/NDF:2083.9/55
All: -1.225+/-0.146 χ²/NDF: 4007.4/105



Right In: 16.926+/-0.023 χ^2/NDF: 437664.7/26

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

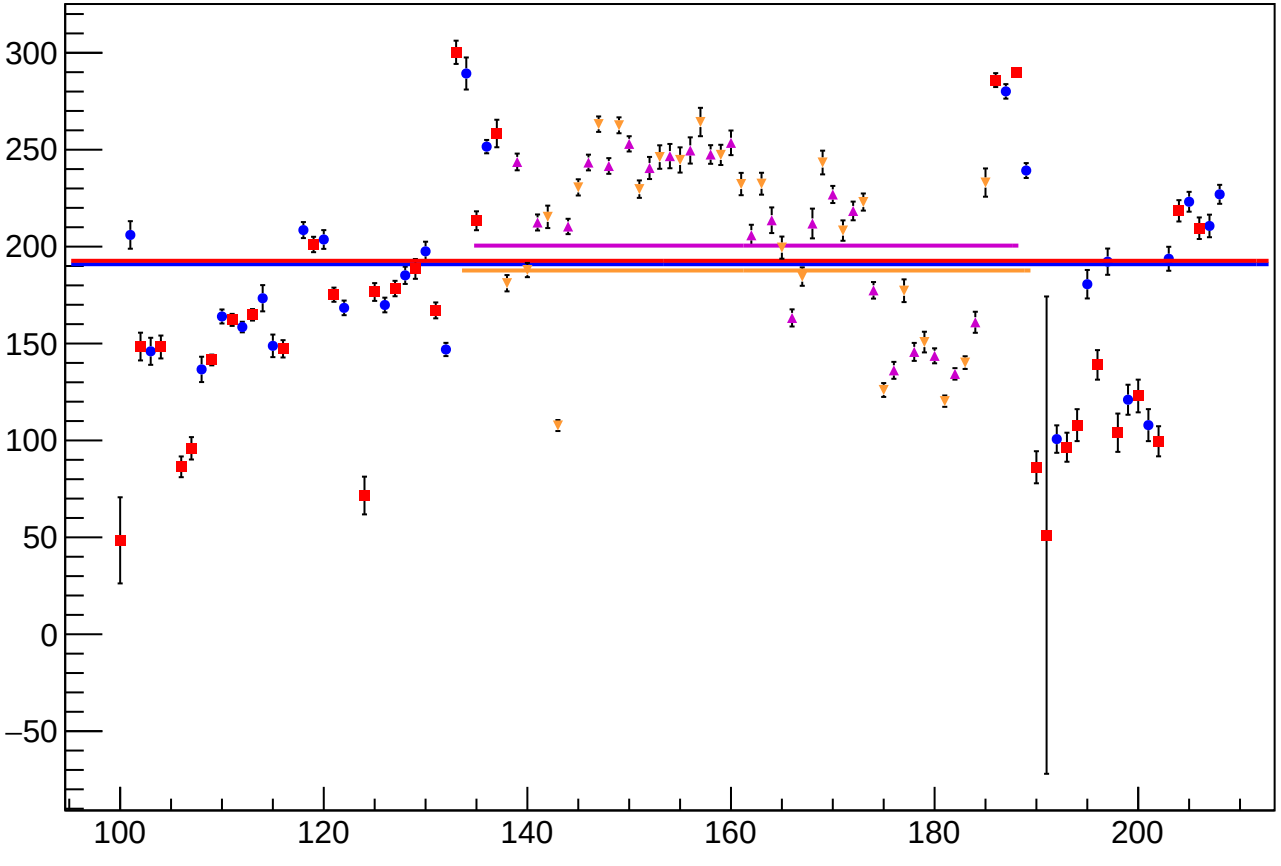
Right: 16.417+/-0.016 χ^2/NDF: 996037.0/57

In: 0.185+/-0.009 χ^2/NDF:1656993.3/49

Out: 0.771+/-0.009 χ^2/NDF:2071374.0/55

All: 0.480+/-0.007 χ^2/NDF: 3730292.6/105

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

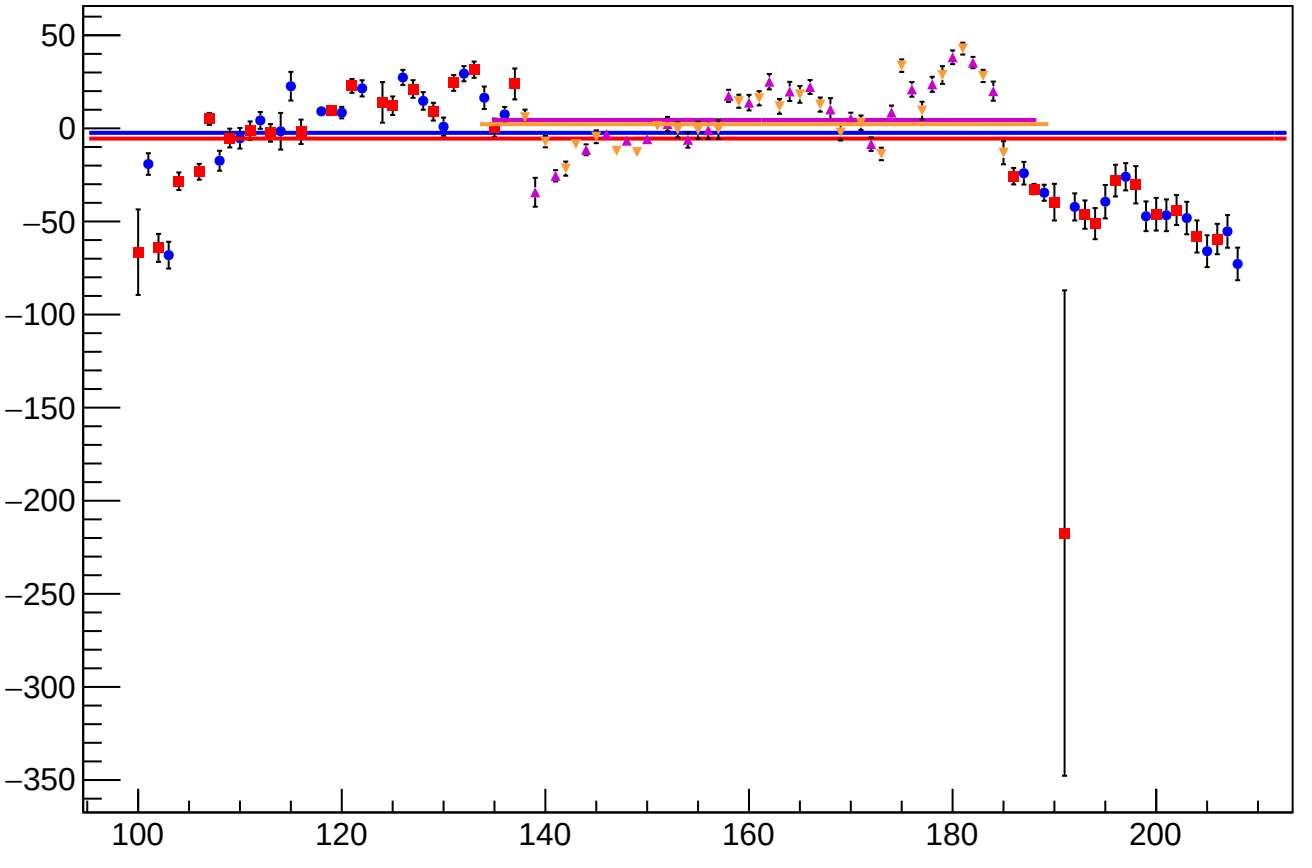
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.887+/-0.612 χ^2/NDF: 8265.6/57

In: 195.488+/-0.659 χ^2/NDF:4423.3/49

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.734+/-0.447 χ^2/NDF: 14005.4/105



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

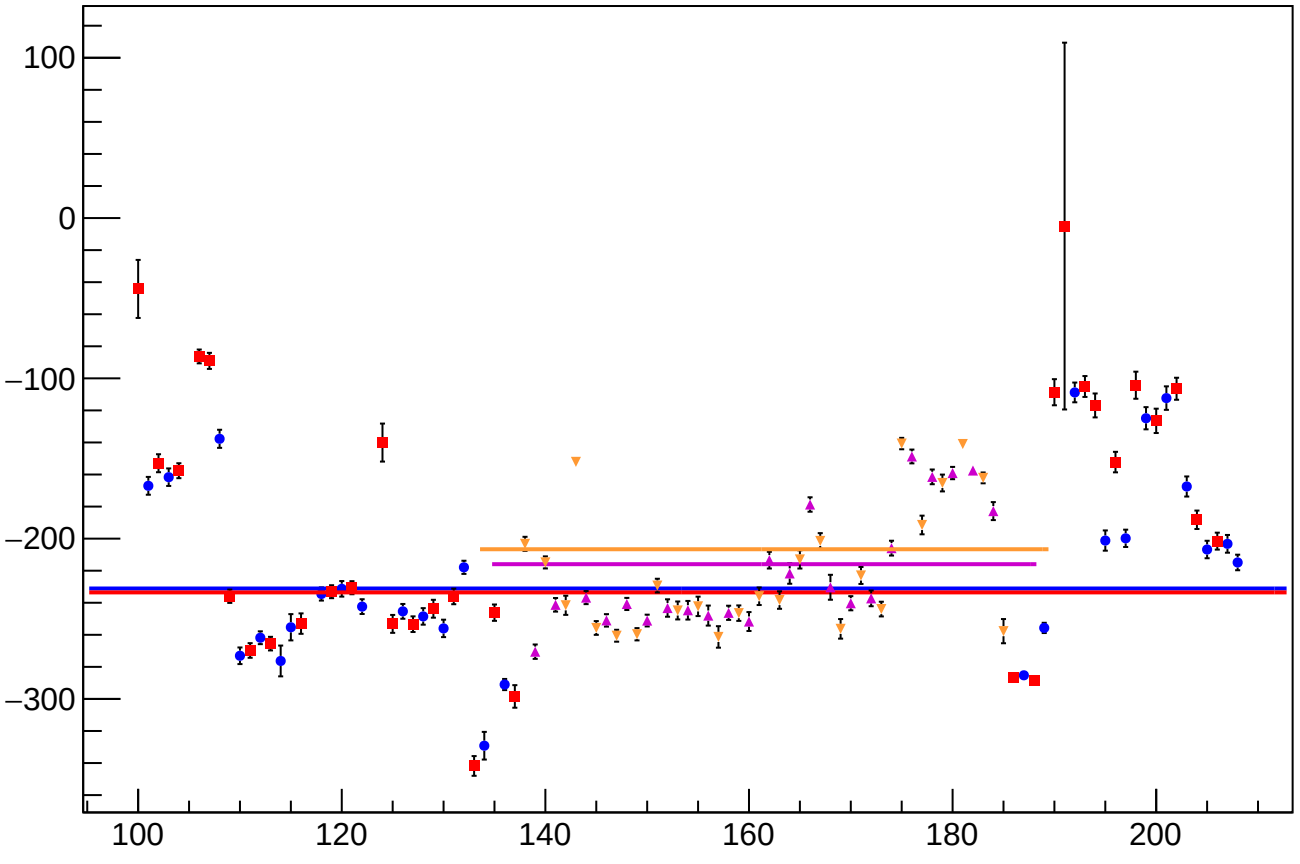
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -4.064+/-0.673 χ^2/NDF: 1426.2/57

In: 2.145+/-0.579 χ^2/NDF:1266.5/49

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 0.769+/-0.394 χ^2/NDF: 2658.2/105



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

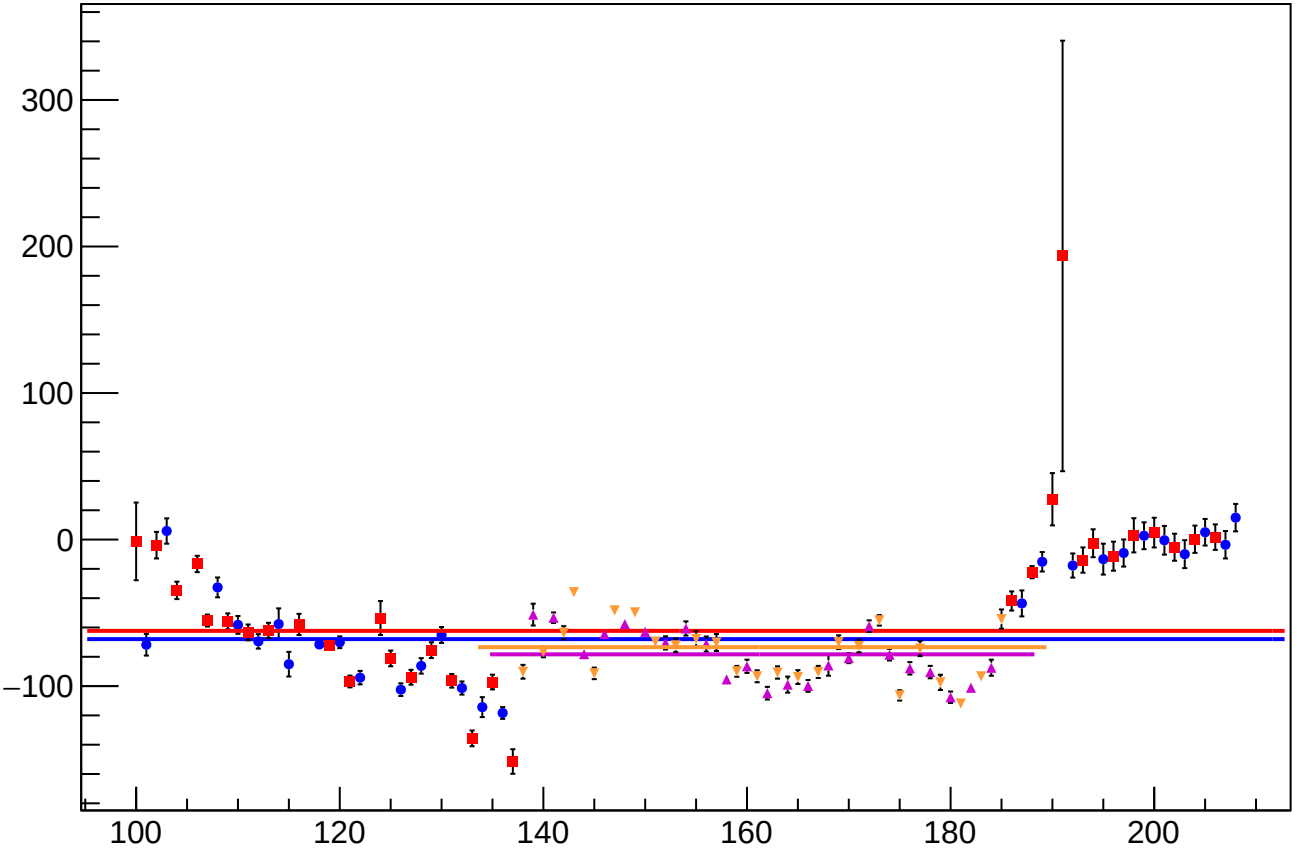
Right: -232.486+/-0.626 χ^2/NDF: 9346.1/57

In: -223.491+/-0.670 χ^2/NDF:4523.0/49

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.149+/-0.451 χ^2/NDF: 14142.5/105

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

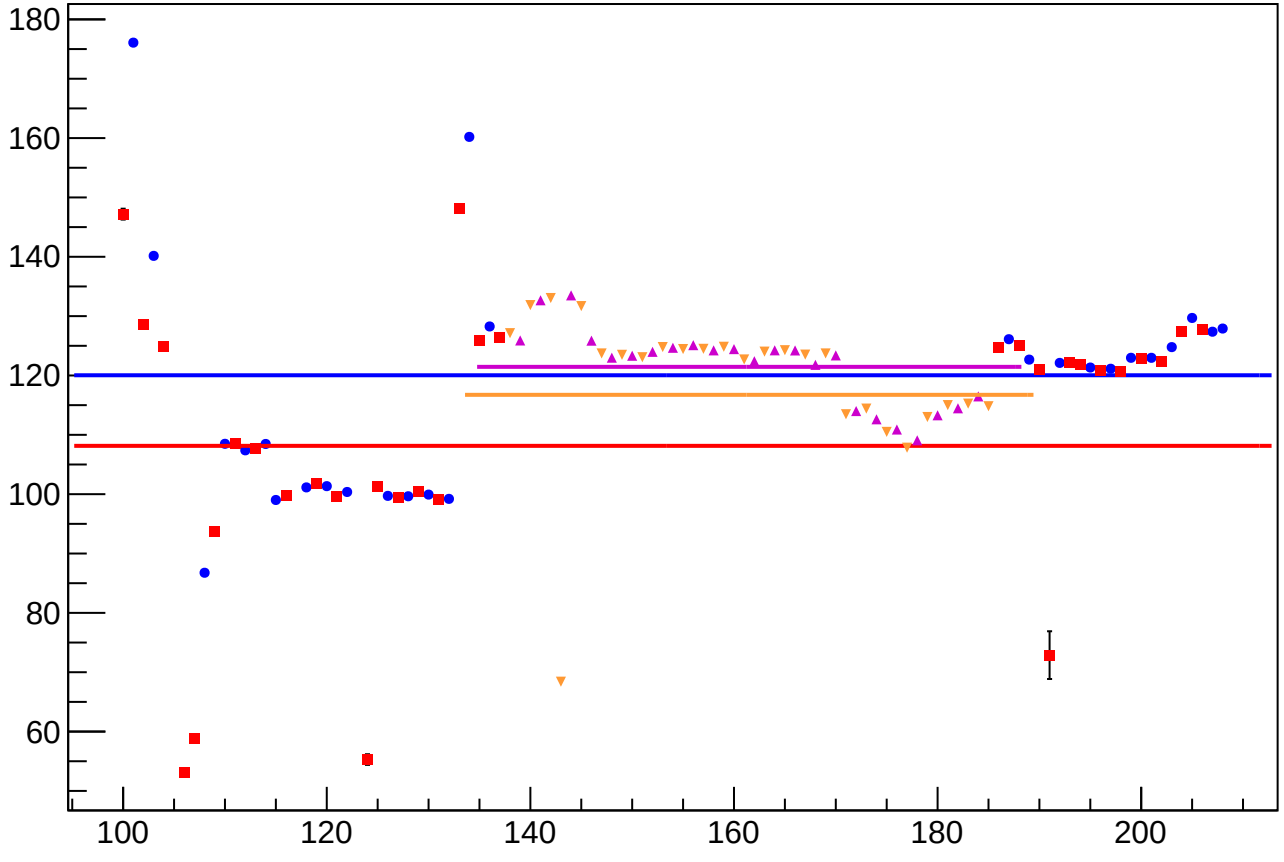
Right: -64.960+/-0.796 χ^2/NDF: 2120.0/57

In: -74.883+/-0.668 χ^2/NDF:1482.3/49

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.167+/-0.458 χ^2/NDF: 3541.2/105

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

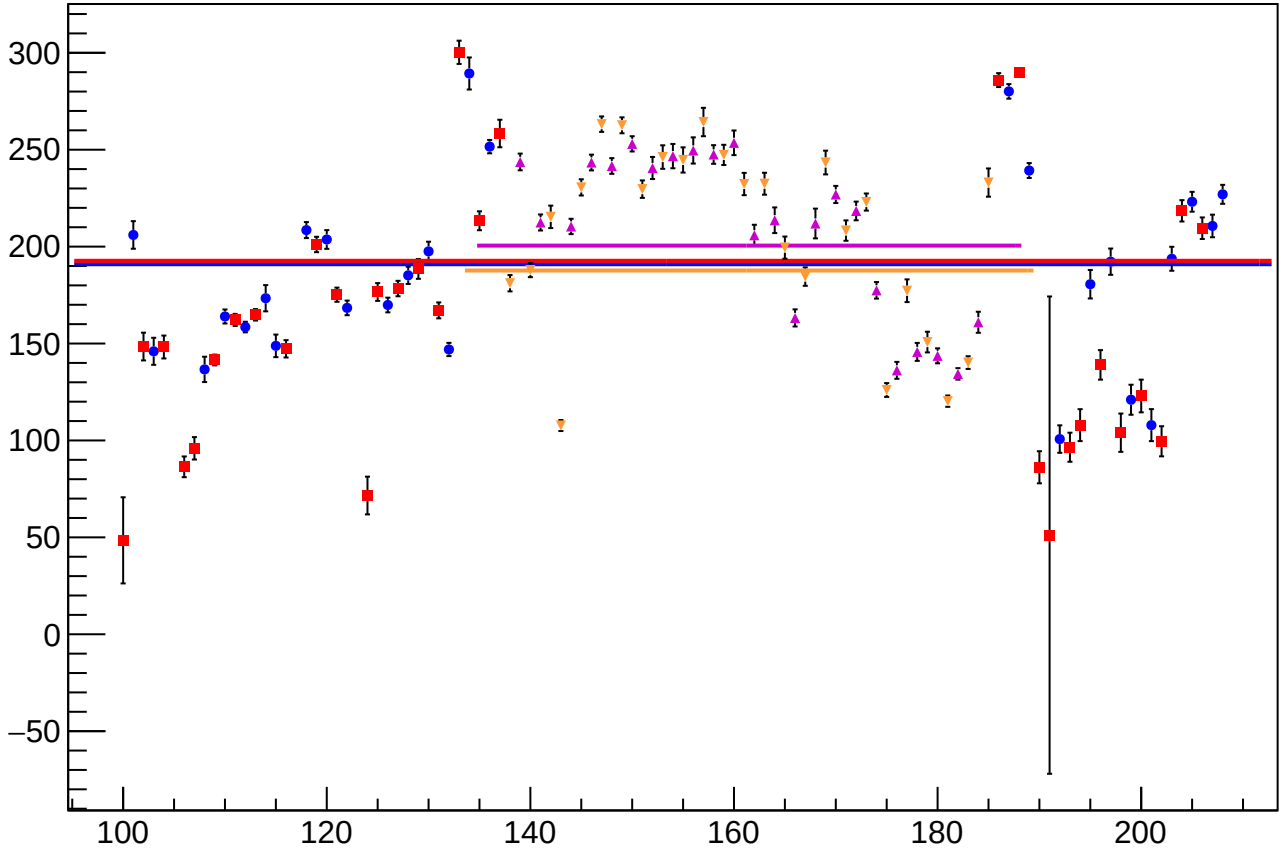
Right: 113.583+/-0.041 χ^2/NDF: 326672.0/57

In: 121.071+/-0.032 χ^2/NDF:127575.8/49

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.485+/-0.022 χ^2/NDF: 579785.2/105

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

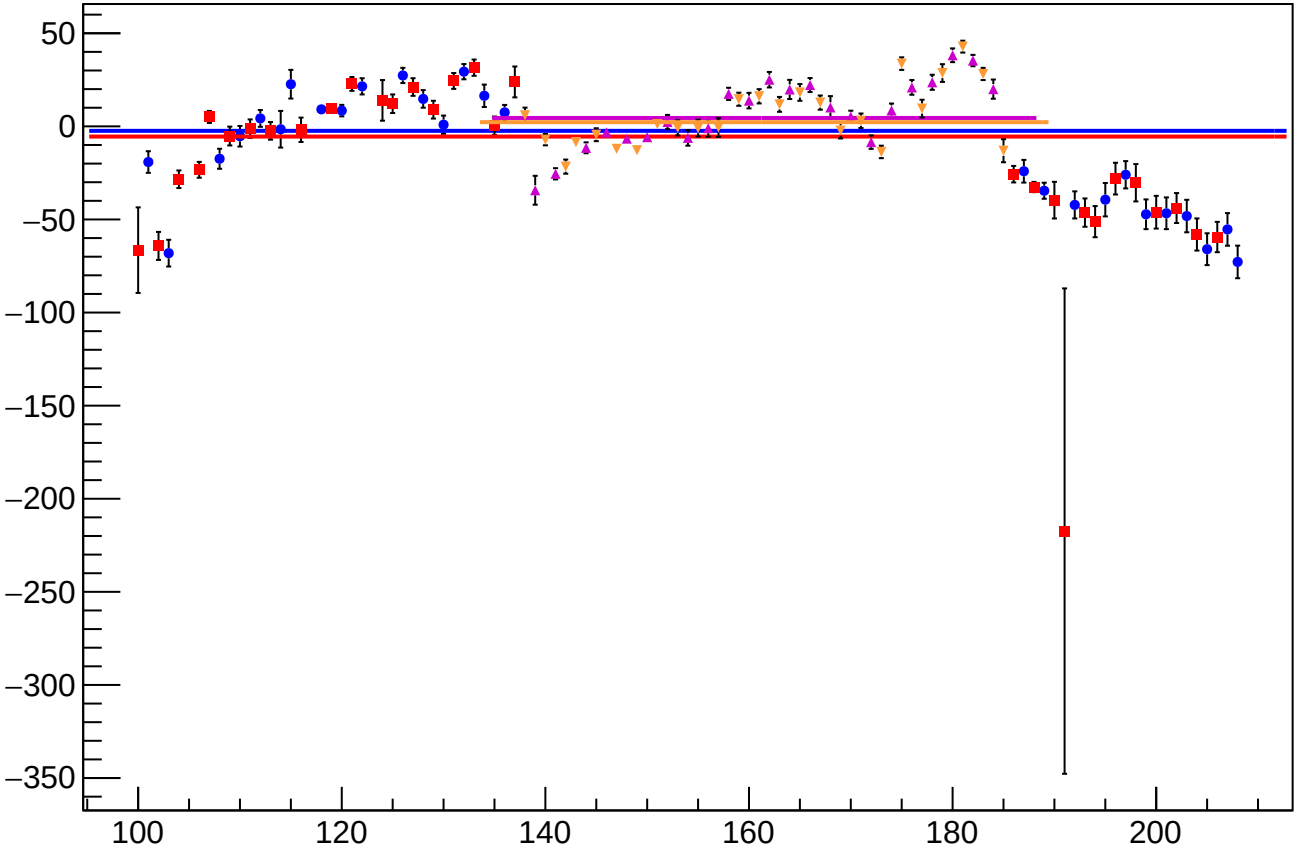
Right: 191.887+/-0.612 χ^2/NDF: 8265.6/57

In: 195.488+/-0.659 χ^2/NDF:4423.3/49

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.734+/-0.447 χ^2/NDF: 14005.4/105

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

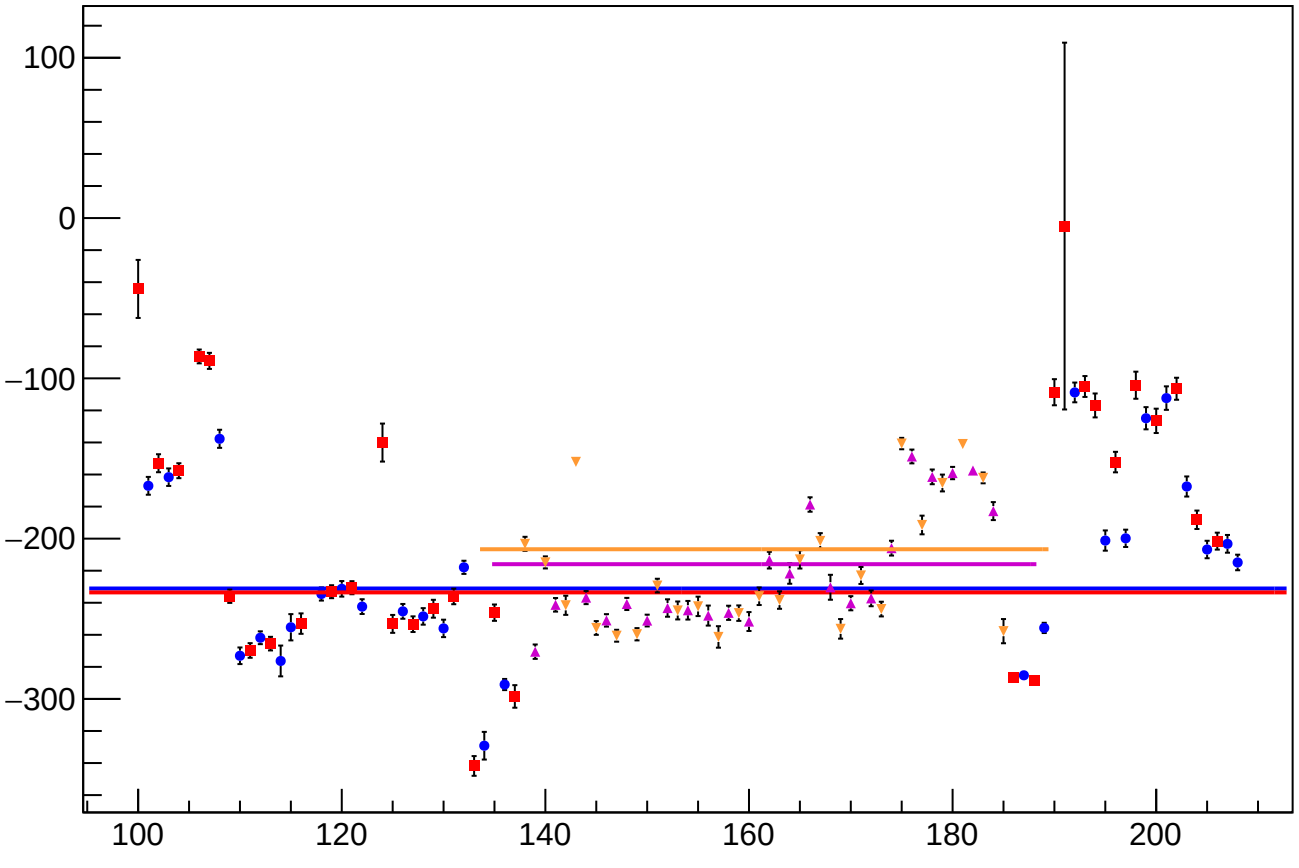
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -4.064+/-0.673 χ^2/NDF: 1426.2/57

In: 2.145+/-0.579 χ^2/NDF:1266.5/49

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 0.769+/-0.394 χ^2/NDF: 2658.2/105



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

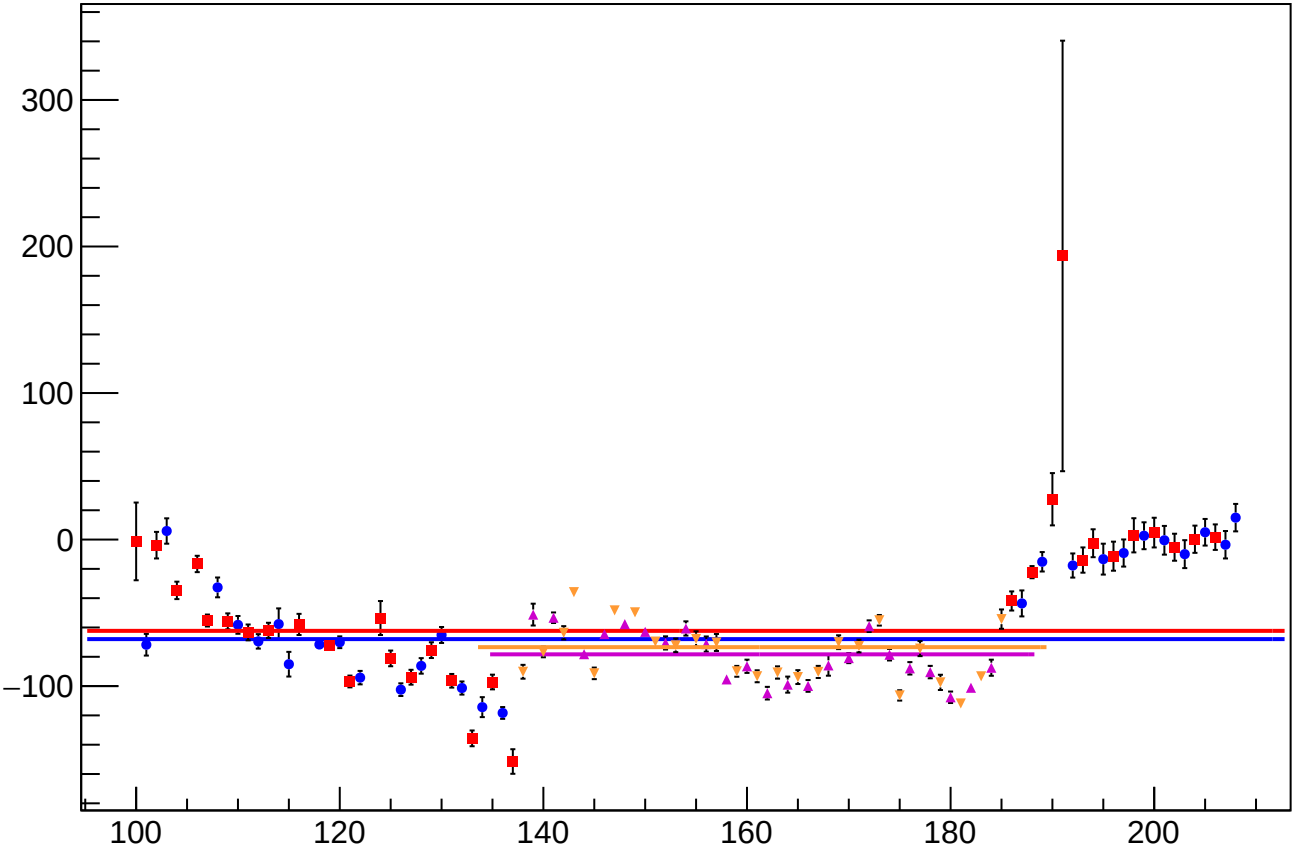
Right: -232.486+/-0.626 χ^2/NDF: 9346.1/57

In: -223.491+/-0.670 χ^2/NDF:4523.0/49

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.149+/-0.451 χ^2/NDF: 14142.5/105

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

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Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

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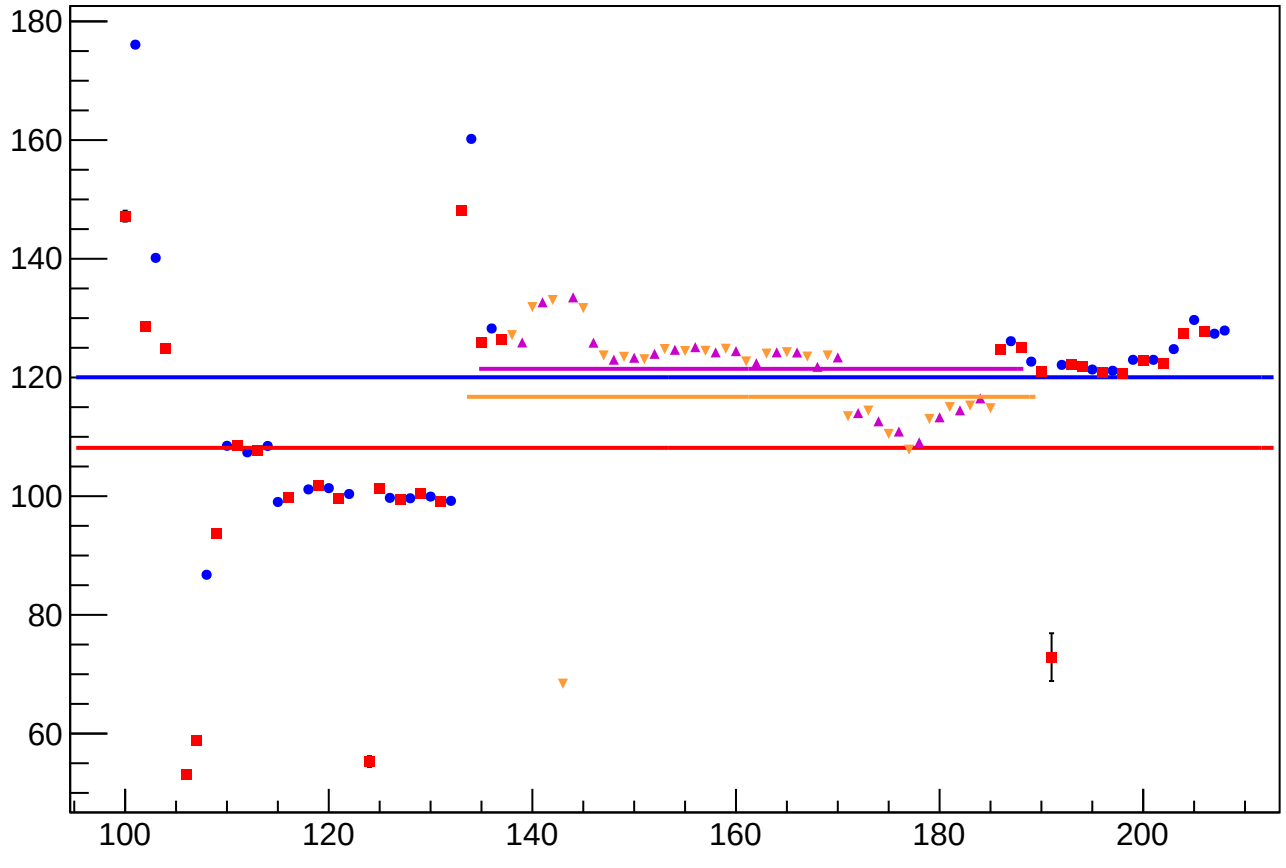
In: -74.883+/-0.668 χ^2/NDF:1482.3/49

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.167+/-0.458 χ^2/NDF: 3541.2/105



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

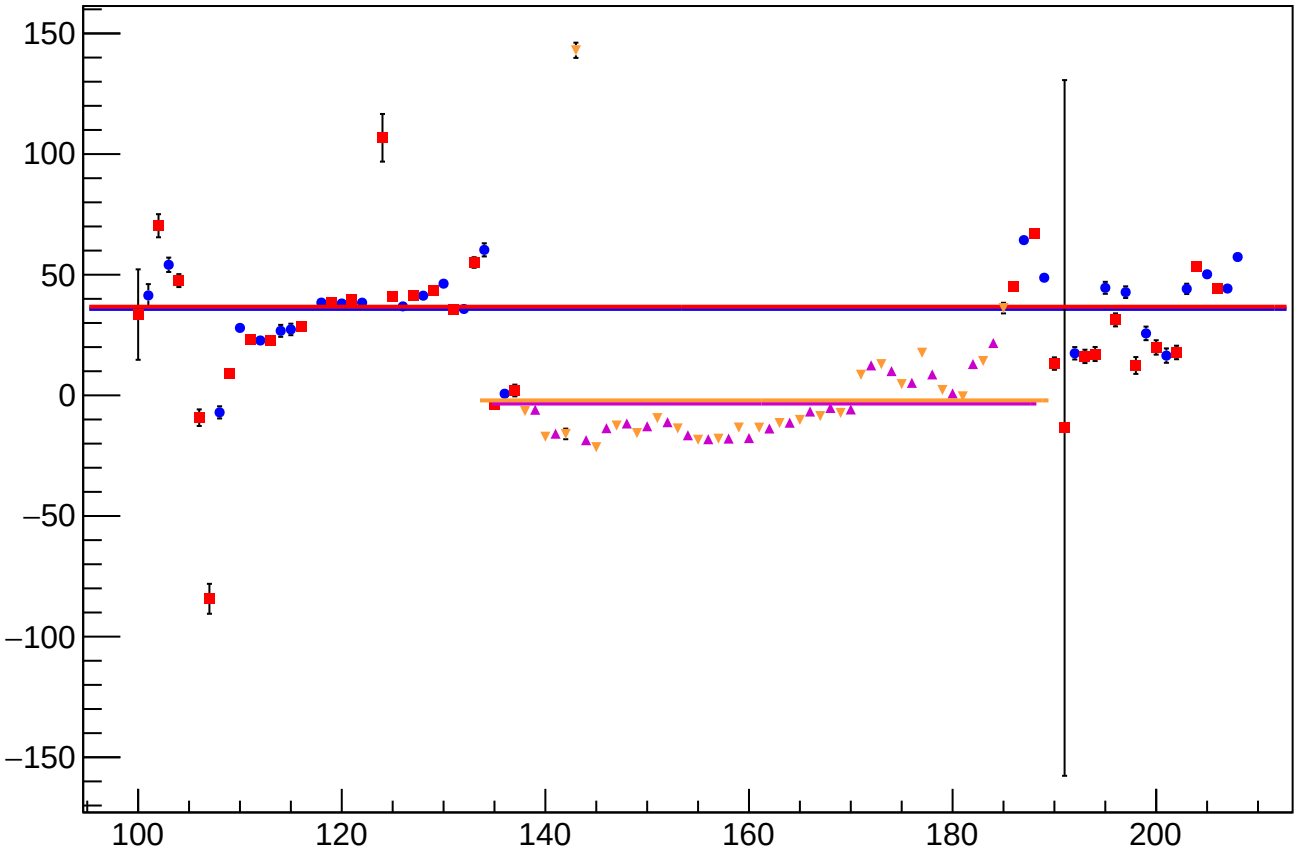
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 113.583+/-0.041 χ^2/NDF: 326672.0/57

In: 121.071+/-0.032 χ^2/NDF:127575.8/49

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.485+/-0.022 χ^2/NDF: 579785.2/105



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

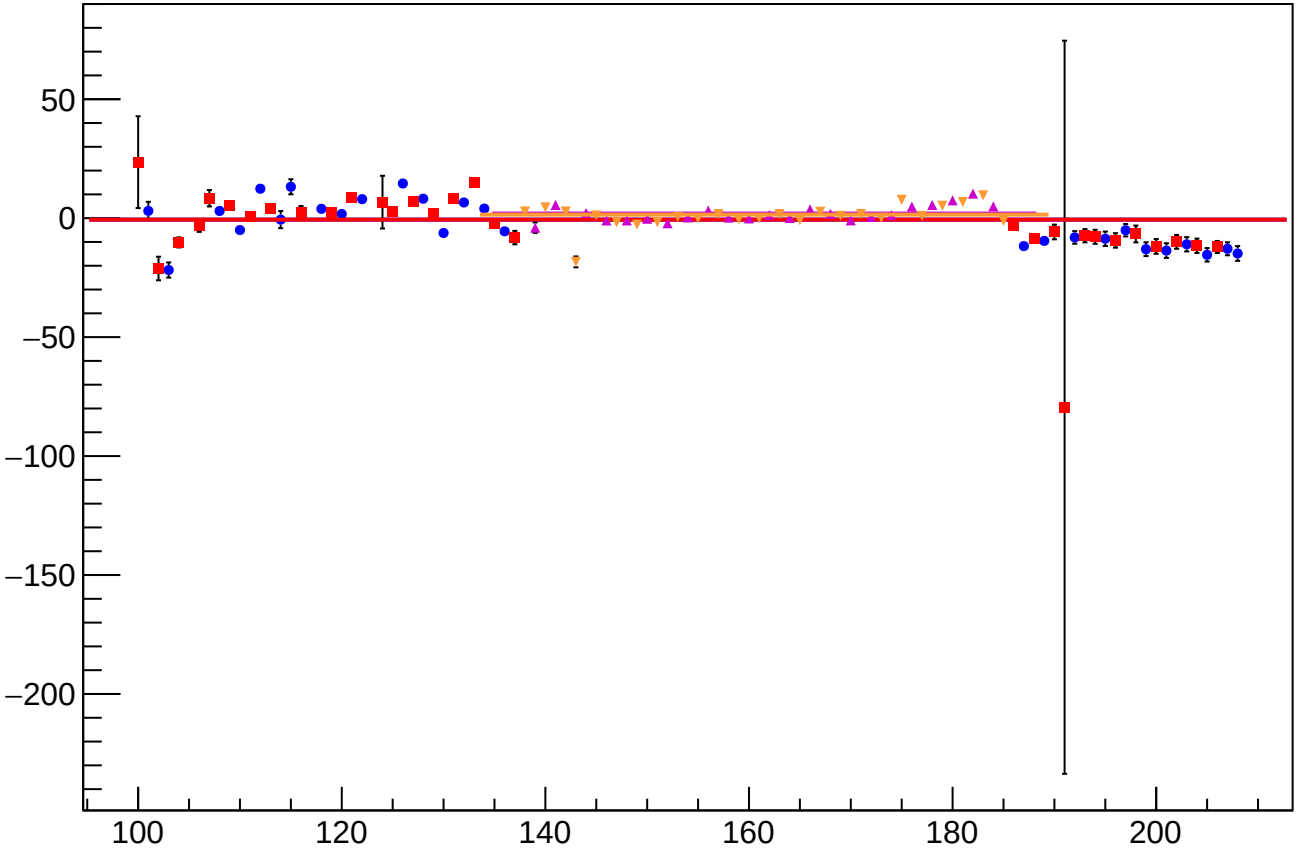
Right: 36.336+/-0.228 χ^2/NDF: 7264.9/57

In: 11.818+/-0.212 χ^2/NDF:12410.0/49

Out: 14.593+/-0.201 χ^2/NDF:18015.2/55

All: 13.278+/-0.146 χ^2/NDF: 30515.1/105

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

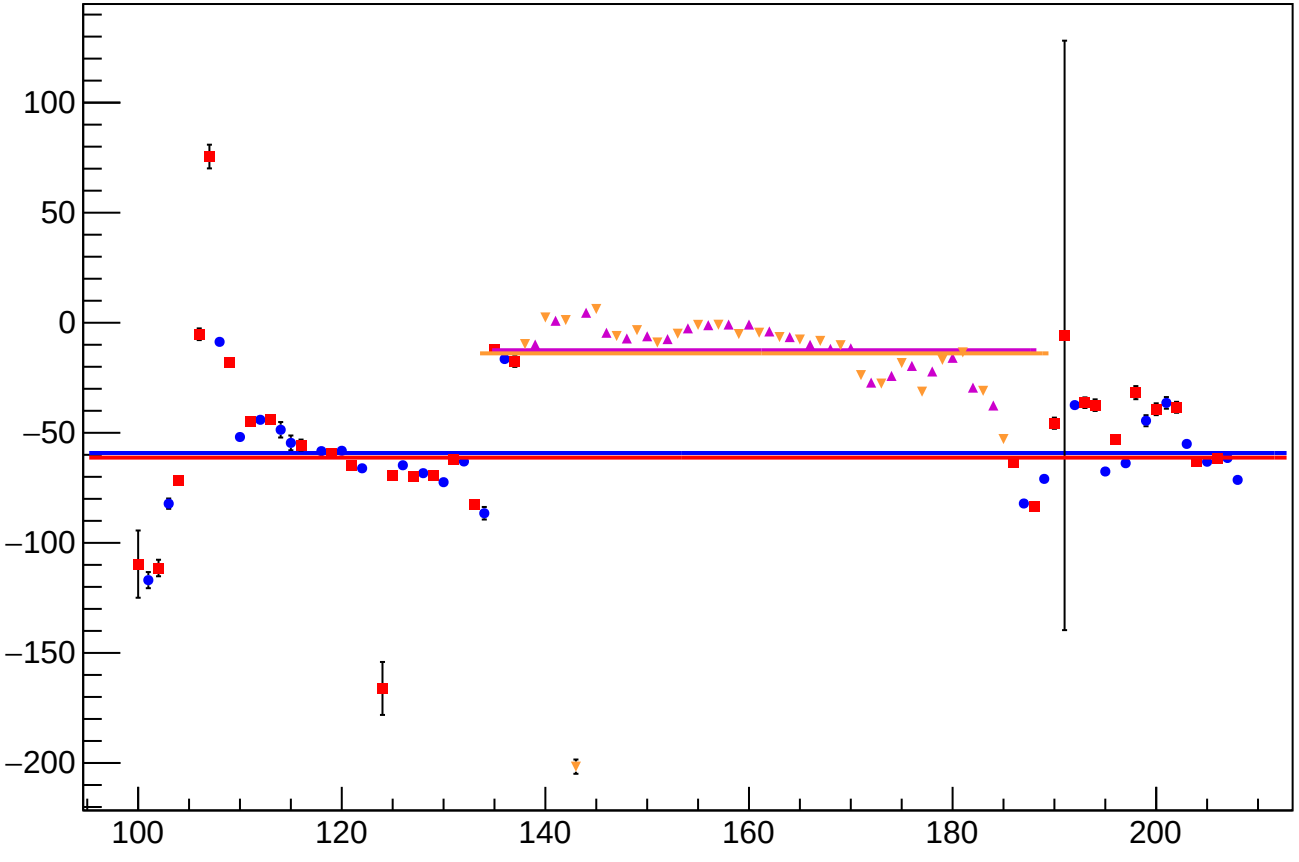
Right: -0.613+/-0.261 χ^2/NDF: 920.5/57

In: 1.340+/-0.184 χ^2/NDF:785.8/49

Out: 0.970+/-0.178 χ^2/NDF:764.0/55

All: 1.148+/-0.128 χ^2/NDF: 1551.9/105

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

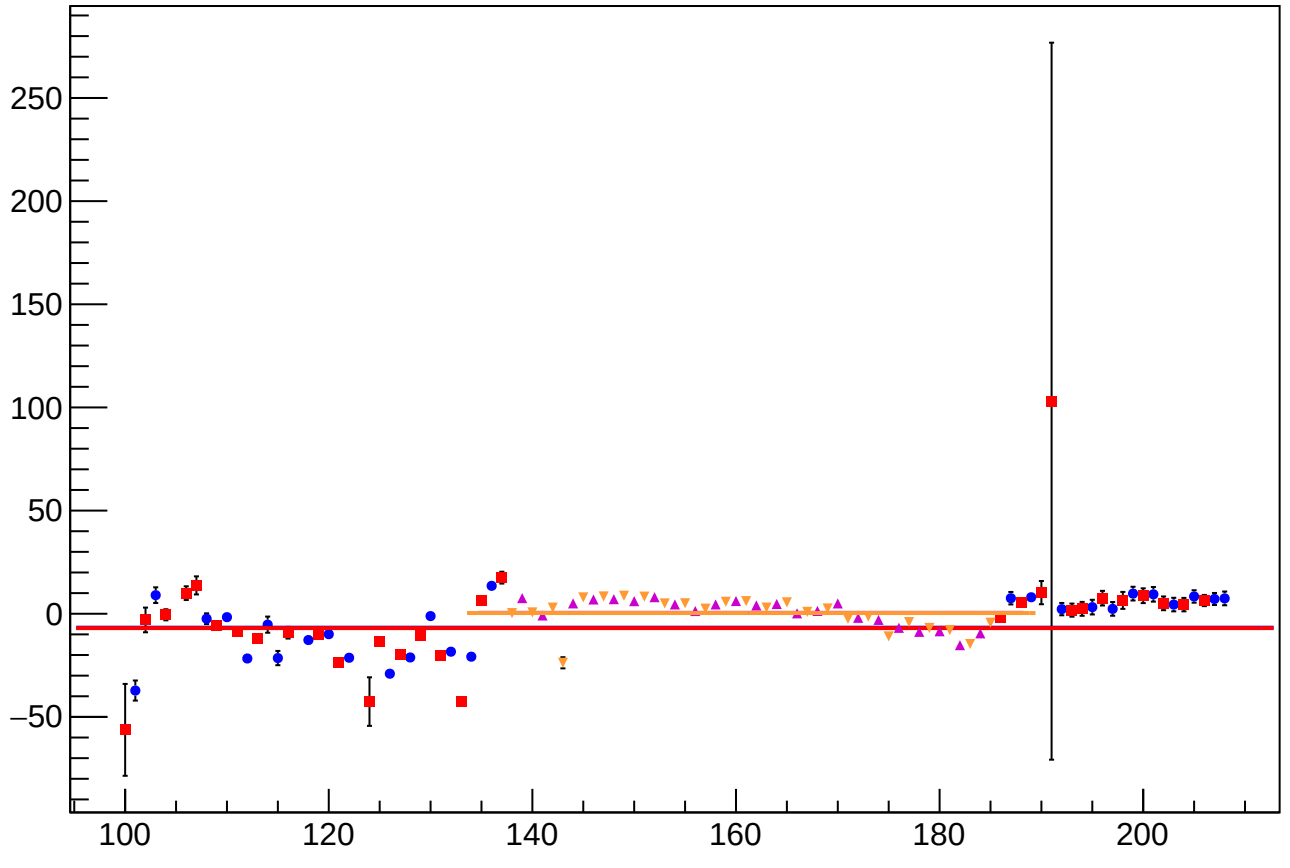
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.372+/-0.230 χ^2/NDF: 8870.5/57

In: -29.647+/-0.214 χ^2/NDF:15904.4/49

Out: -34.428+/-0.199 χ^2/NDF:24460.2/55

All: -32.204+/-0.146 χ^2/NDF: 40632.4/105



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

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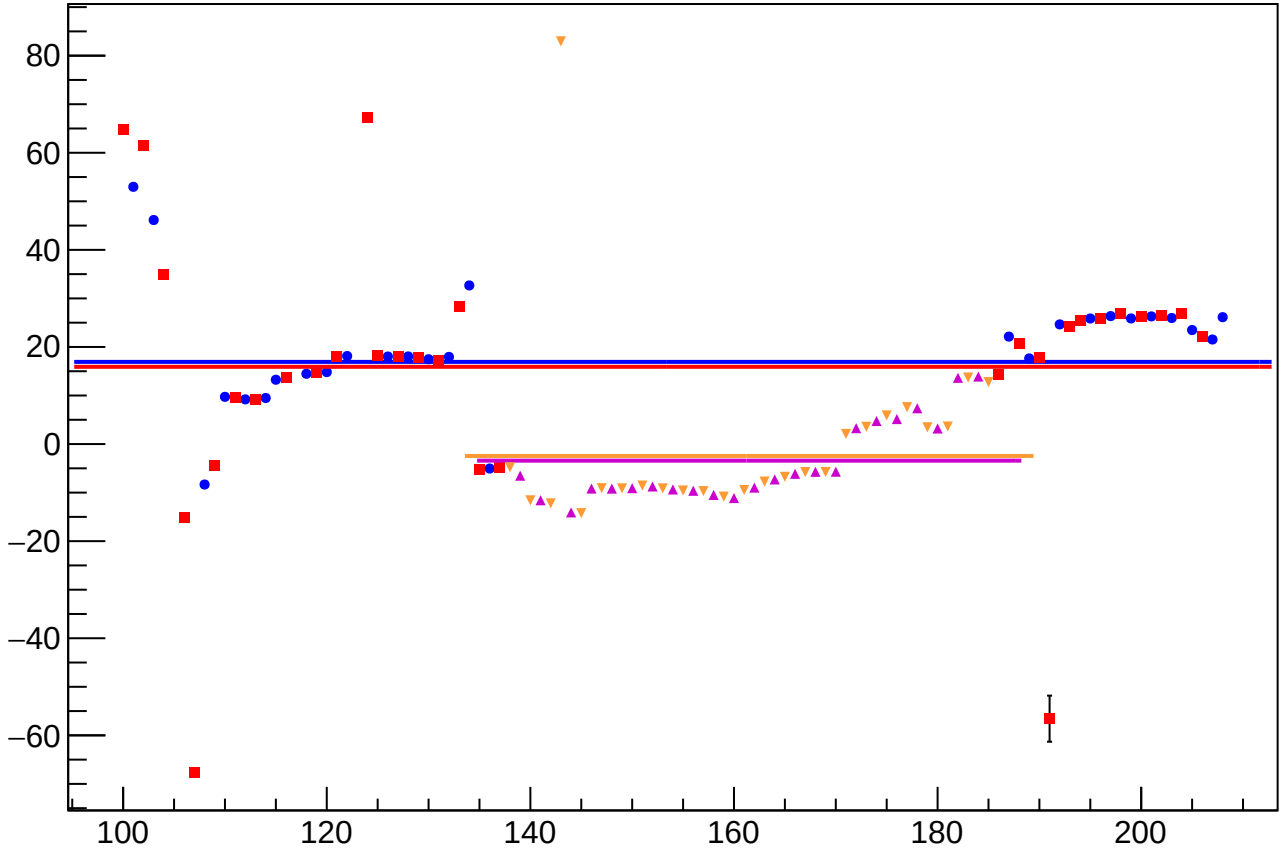
Right: -6.863+/-0.309 χ^2/NDF: 1876.0/57

In: -1.158+/-0.209 χ^2/NDF:1923.3/49

Out: -1.288+/-0.204 χ^2/NDF:2083.9/55

All: -1.225+/-0.146 χ^2/NDF: 4007.4/105

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 16.926+/-0.023 χ^2/NDF: 437664.7/26

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

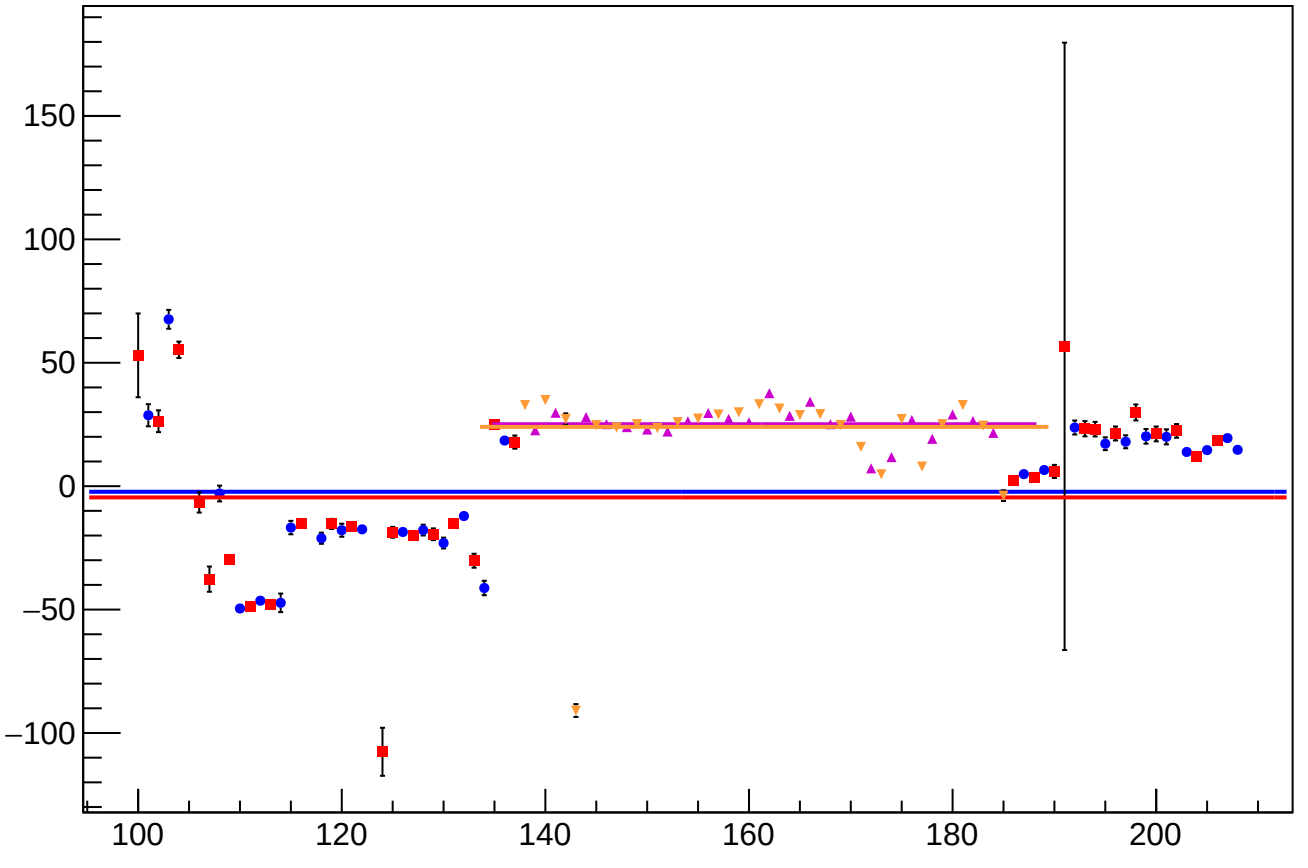
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 16.417+/-0.016 χ^2/NDF: 996037.0/57

In: 0.185+/-0.009 χ^2/NDF:1656993.3/49

Out: 0.771+/-0.009 χ^2/NDF:2071374.0/55

All: 0.480+/-0.007 χ^2/NDF: 3730292.6/105



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

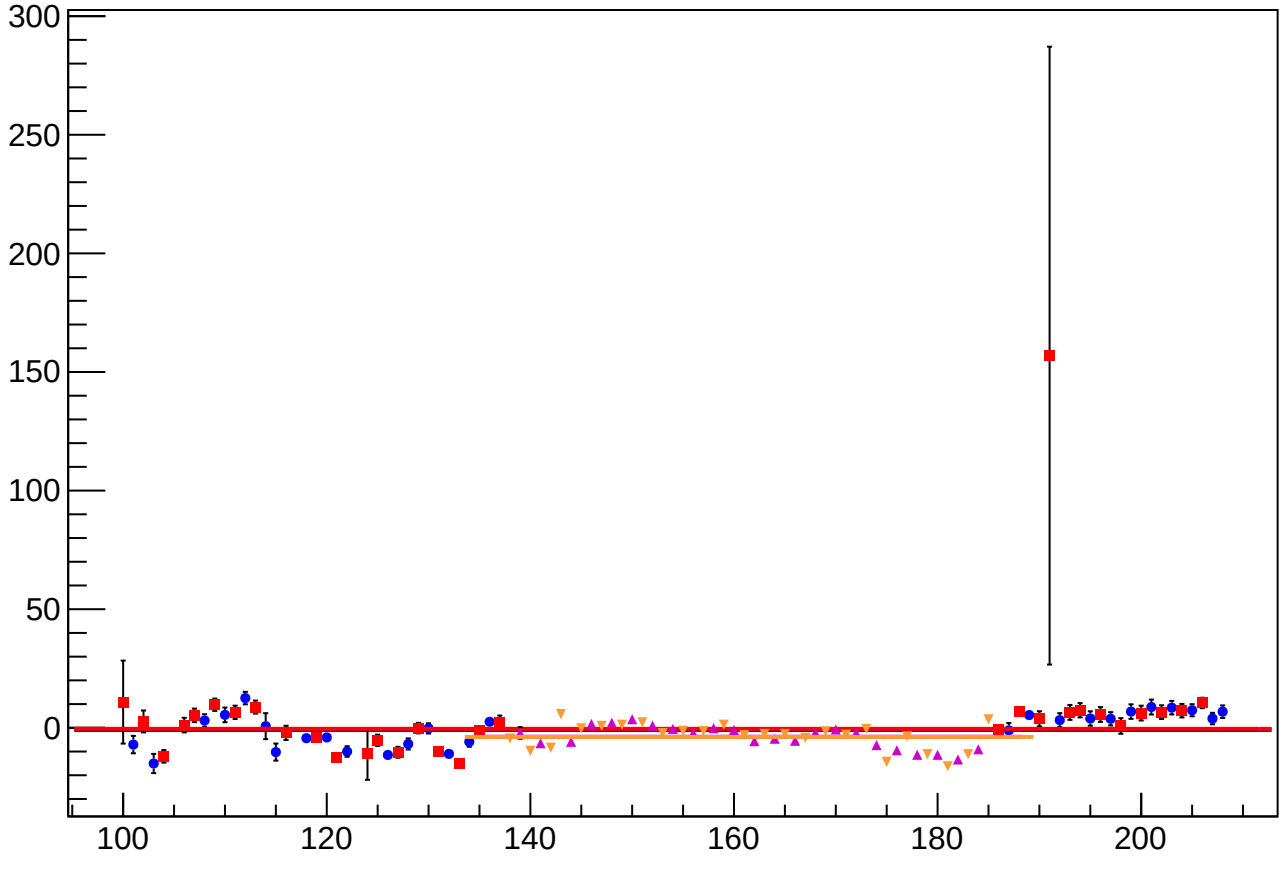
Right: -3.457+/-0.280 χ^2/NDF: 7289.2/57

In: 15.904+/-0.234 χ^2/NDF:7100.9/49

Out: 14.119+/-0.228 χ^2/NDF:10073.9/55

All: 14.988+/-0.163 χ^2/NDF: 17204.6/105

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

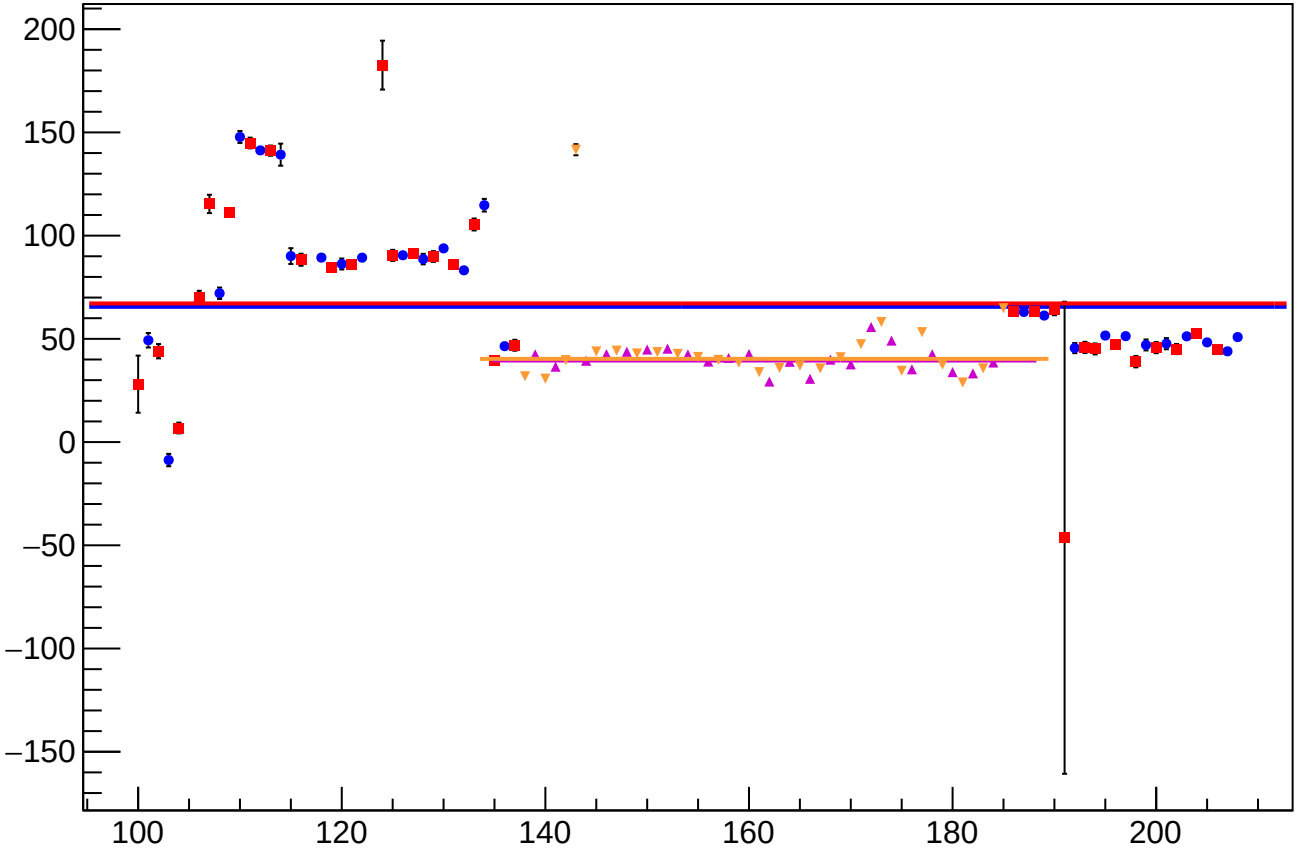
Right: -0.655+/-0.319 χ^2/NDF: 498.1/57

In: -3.225+/-0.201 χ^2/NDF:757.0/49

Out: -3.183+/-0.196 χ^2/NDF:979.4/55

All: -3.203+/-0.140 χ^2/NDF: 1736.5/105

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

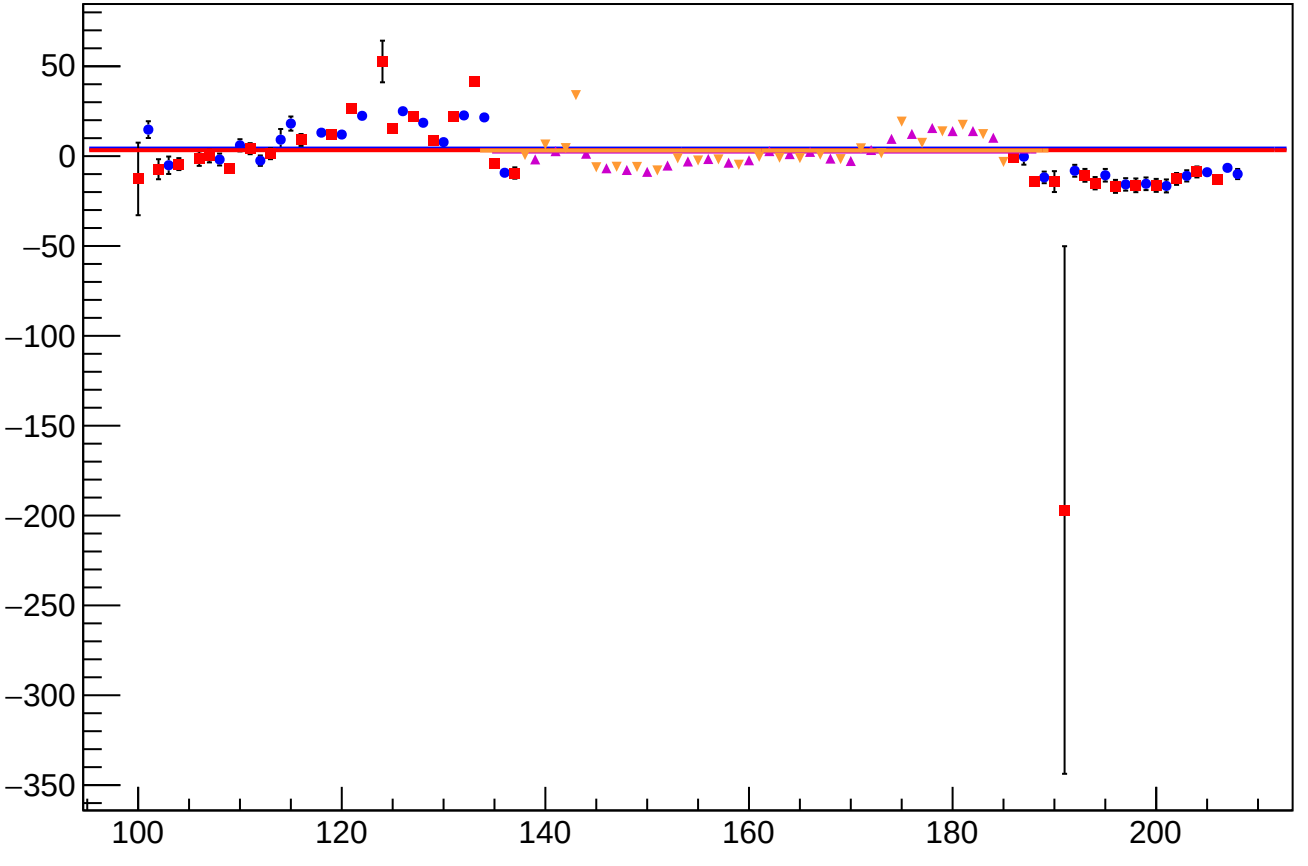
Right: 66.396+/-0.281 χ^2/NDF: 9360.9/57

In: 47.879+/-0.234 χ^2/NDF:7723.7/49

Out: 49.655+/-0.226 χ^2/NDF:10125.1/55

All: 48.799+/-0.163 χ^2/NDF: 17878.4/105

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

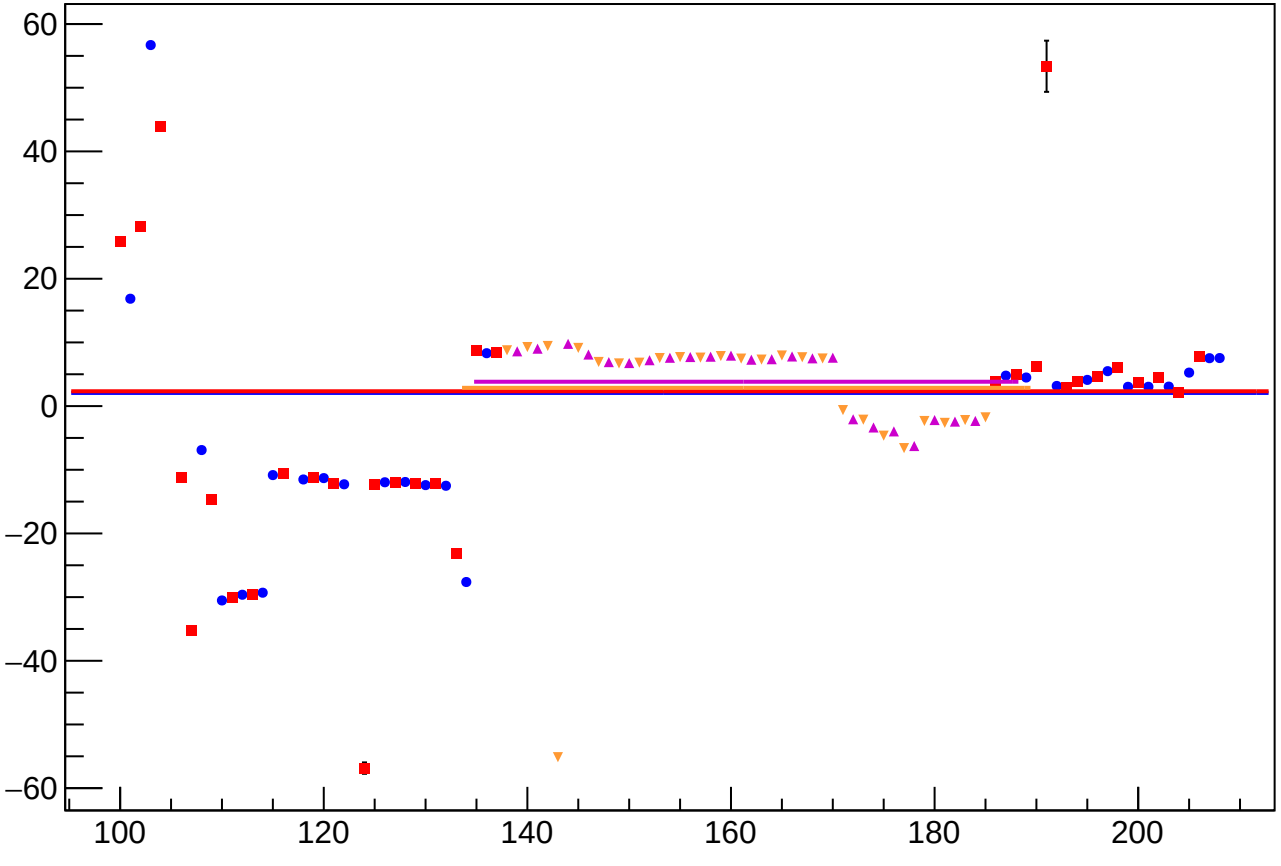
Right: 3.755+/-0.371 χ^2/NDF: 1594.7/57

In: 2.833+/-0.227 χ^2/NDF:1677.7/49

Out: 3.171+/-0.222 χ^2/NDF:2159.2/55

All: 3.005+/-0.159 χ^2/NDF: 3838.0/105

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

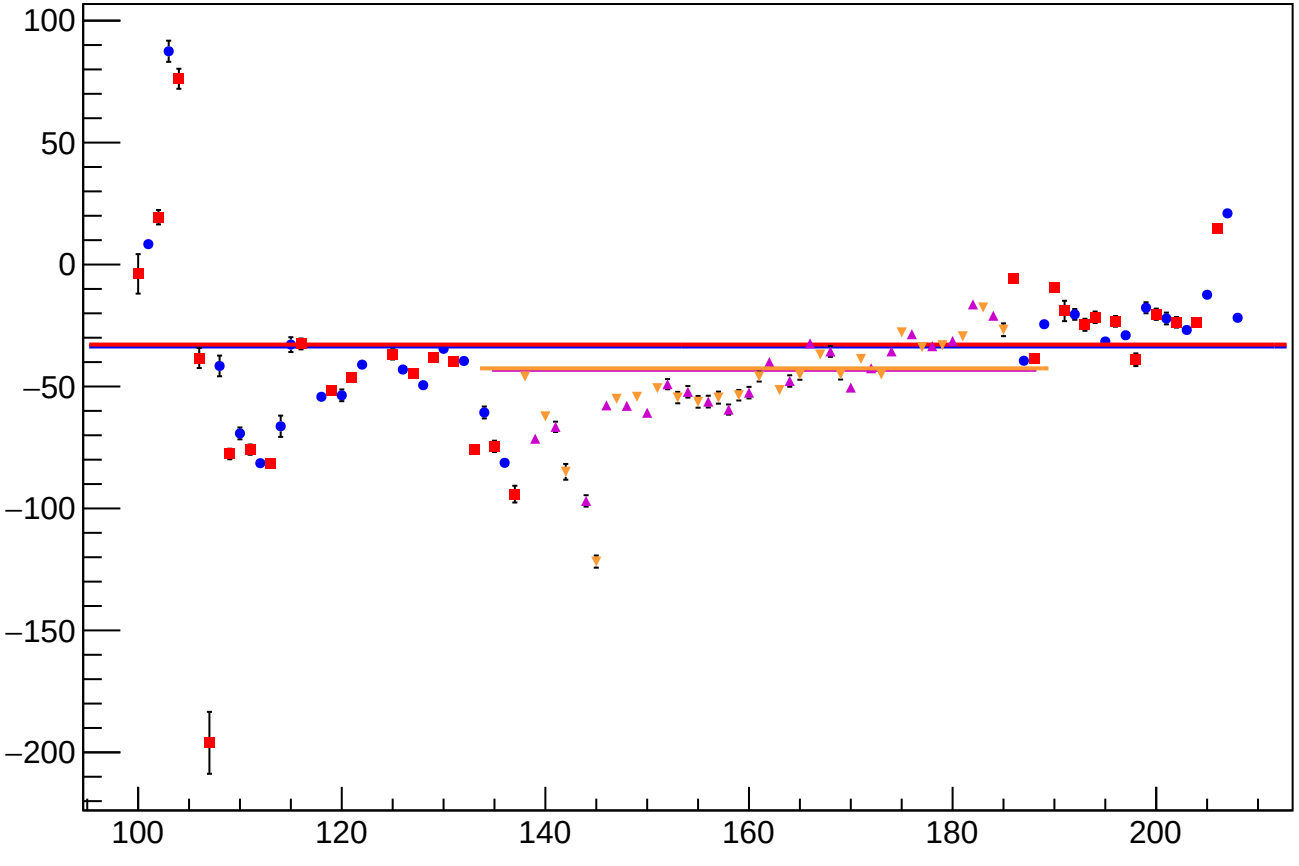
Right: 2.198+/-0.018 χ^2/NDF: 712598.6/57

In: 3.533+/-0.010 χ^2/NDF:619739.3/49

Out: 2.783+/-0.010 χ^2/NDF:842913.6/55

All: 3.155+/-0.007 χ^2/NDF: 1465410.3/105

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.598+/-0.373 χ^2/NDF: 4999.5/26

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.803+/-0.345 χ^2/NDF: 6230.5/29

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

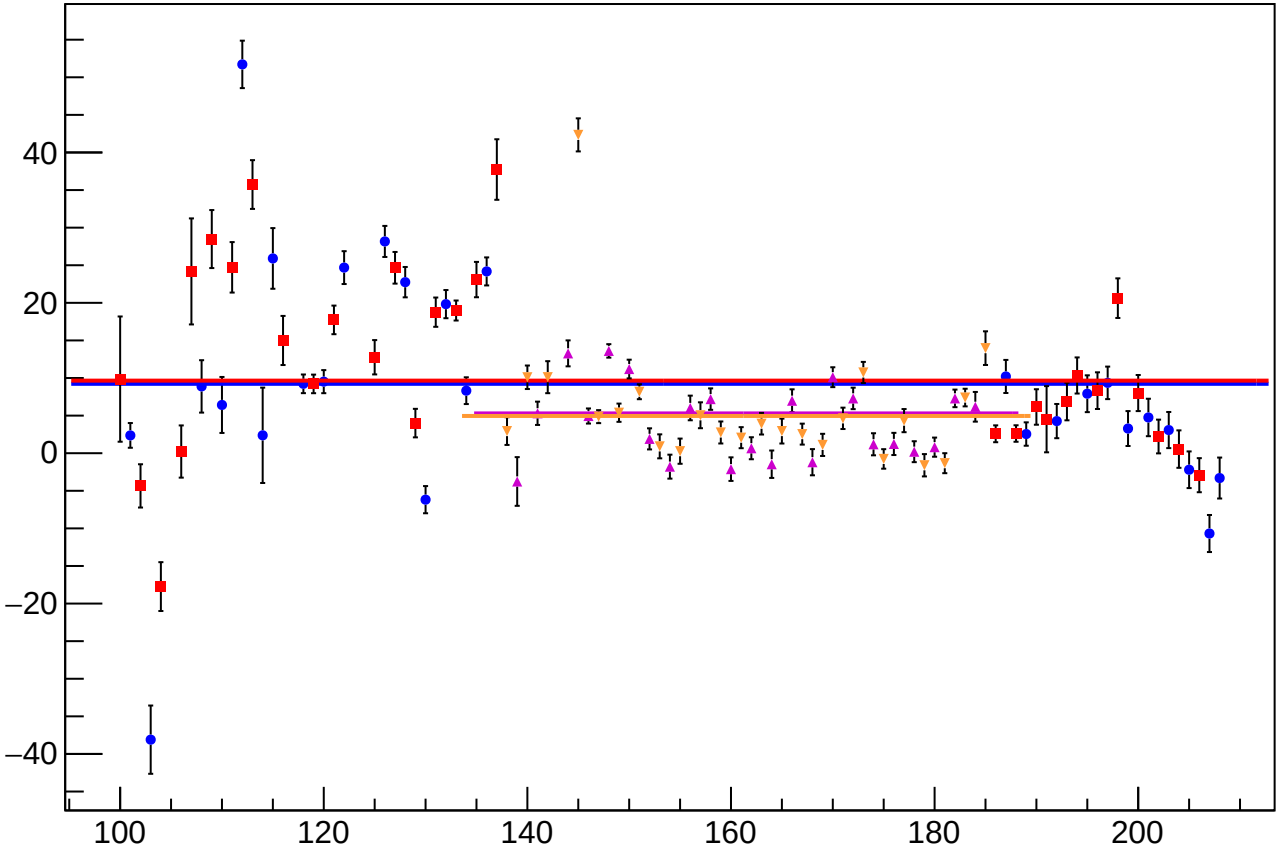
Right: -33.169+/-0.253 χ^2/NDF: 11232.5/56

In: -38.265+/-0.267 χ^2/NDF:7526.9/49

Out: -37.226+/-0.255 χ^2/NDF:8920.6/53

All: -37.722+/-0.184 χ^2/NDF: 16455.4/103

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.230+/-0.412 χ^2/NDF: 822.9/26

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.652+/-0.389 χ^2/NDF: 608.8/29

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

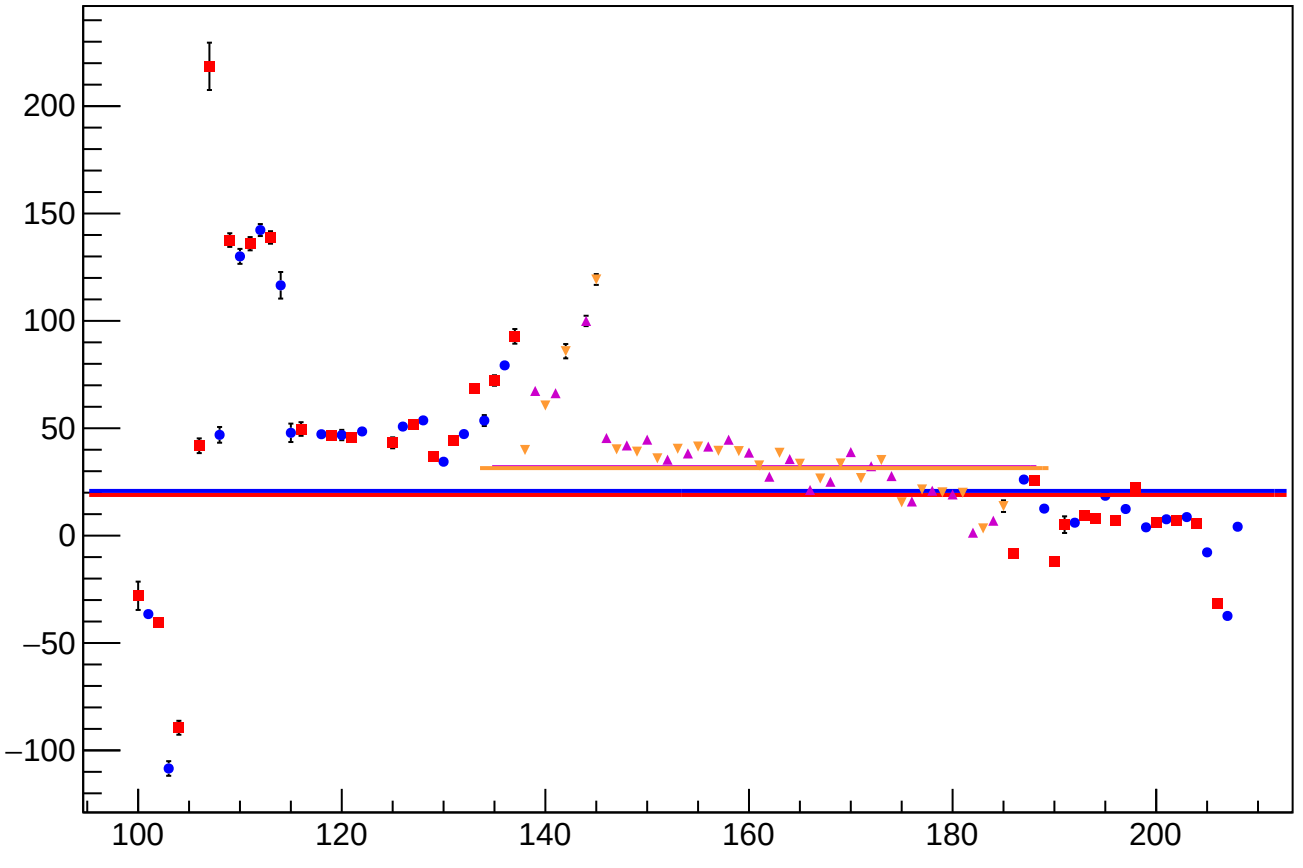
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 9.453+/-0.283 χ^2/NDF: 1432.3/56

In: 6.623+/-0.239 χ^2/NDF:1169.8/49

Out: 6.621+/-0.232 χ^2/NDF:1152.0/53

All: 6.622+/-0.167 χ^2/NDF: 2321.8/103



Right In: 20.819+/-0.366 χ^2/NDF: 10703.0/26

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 18.936+/-0.322 χ^2/NDF: 12566.4/29

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

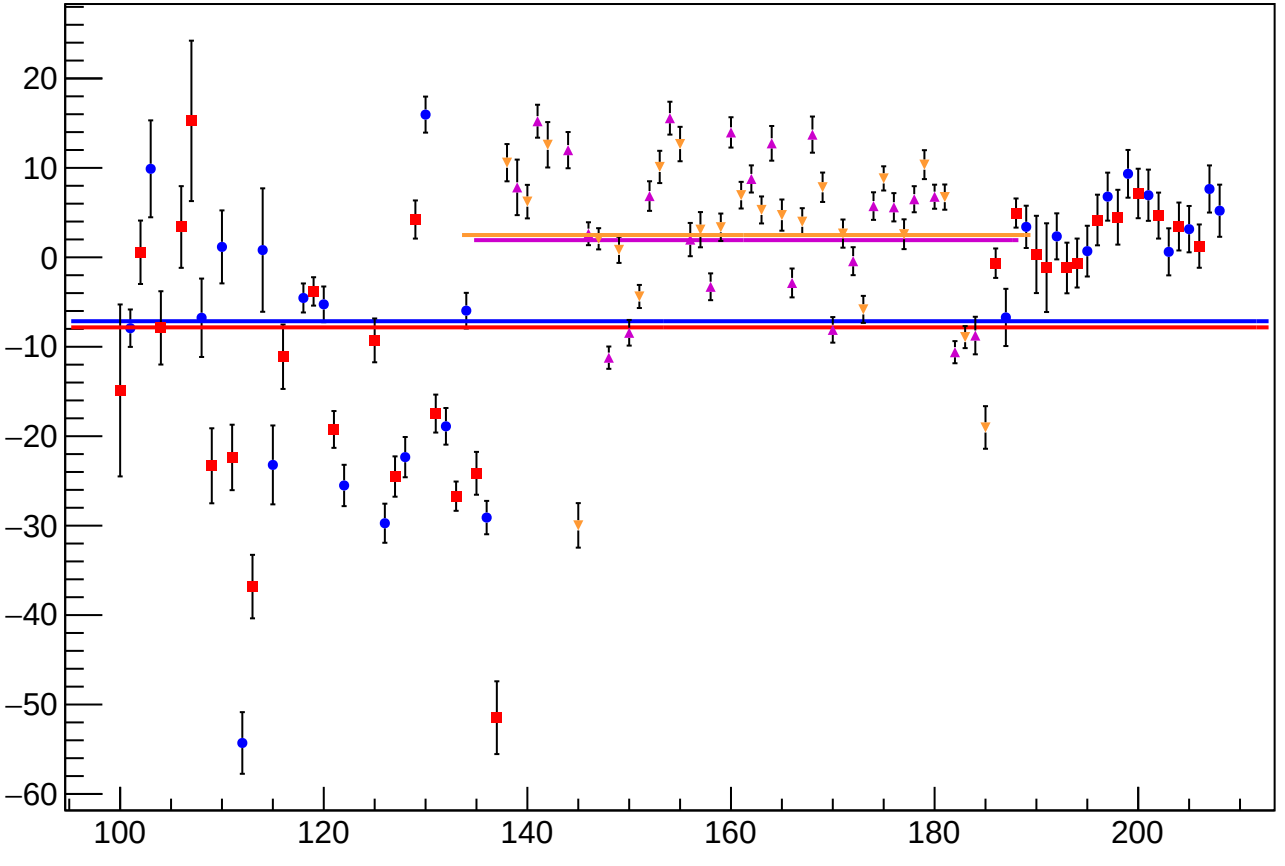
Right: 19.757+/-0.242 χ^2/NDF: 23284.3/56

In: 26.183+/-0.263 χ^2/NDF:13912.8/49

Out: 24.239+/-0.245 χ^2/NDF:15966.8/53

All: 25.140+/-0.179 χ^2/NDF: 29908.9/103

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.143+/-0.483 χ^2/NDF: 942.5/26

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.831+/-0.473 χ^2/NDF: 772.3/29

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

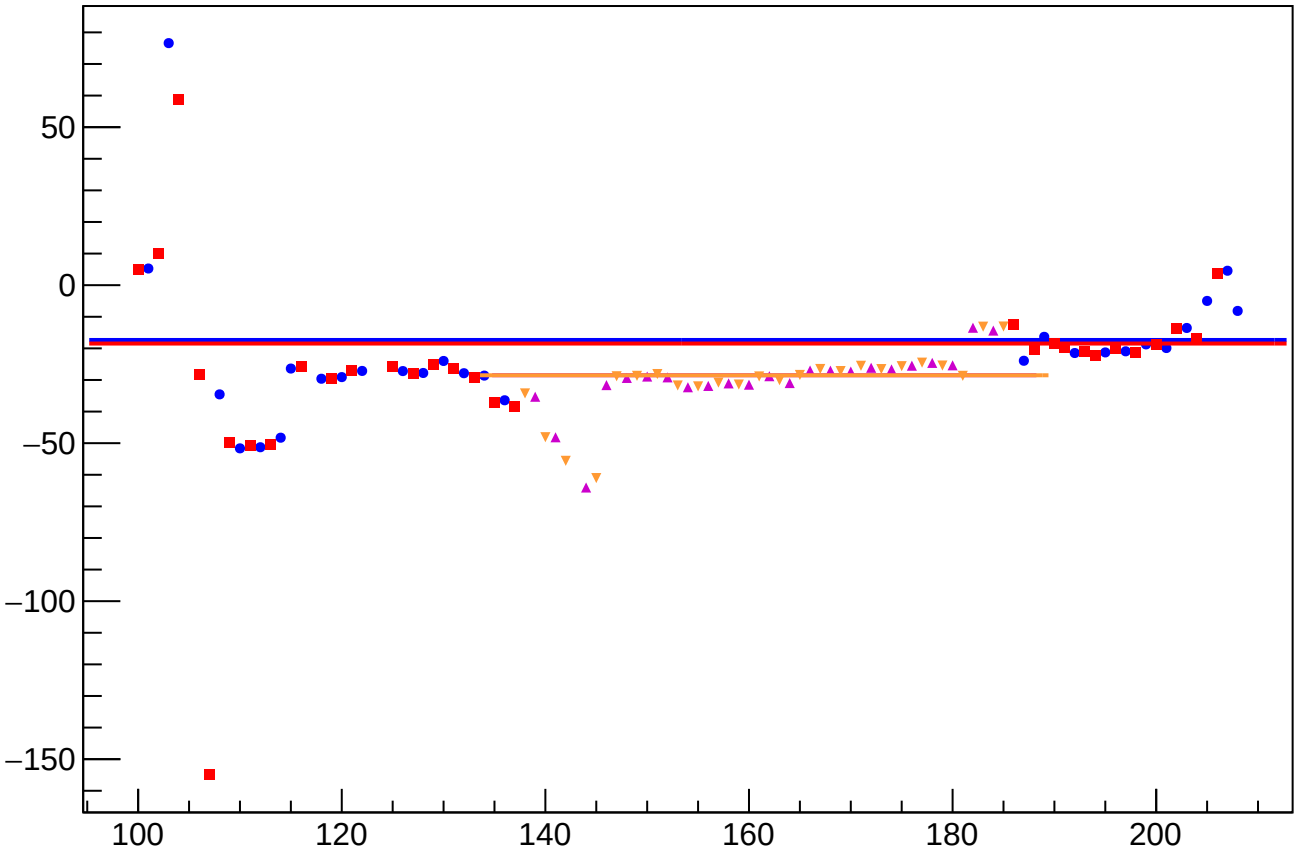
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -7.494+/-0.338 χ^2/NDF: 1715.8/56

In: -0.988+/-0.274 χ^2/NDF:1860.6/49

Out: -0.840+/-0.269 χ^2/NDF:1653.4/53

All: -0.913+/-0.192 χ^2/NDF: 3514.2/103



Right In: -17.342+/-0.022 χ^2/NDF: 726504.4/26

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.473+/-0.022 χ^2/NDF: 623150.6/29

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

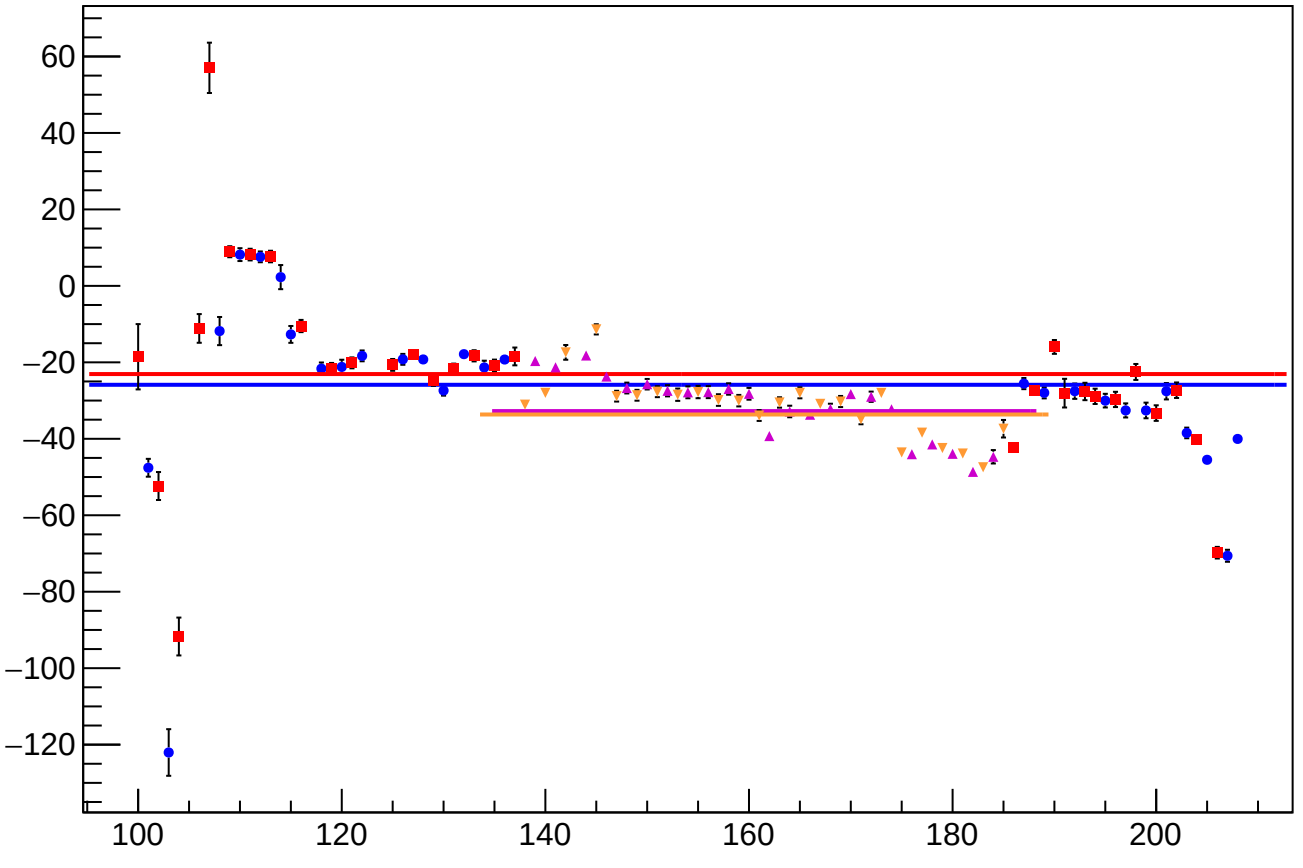
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

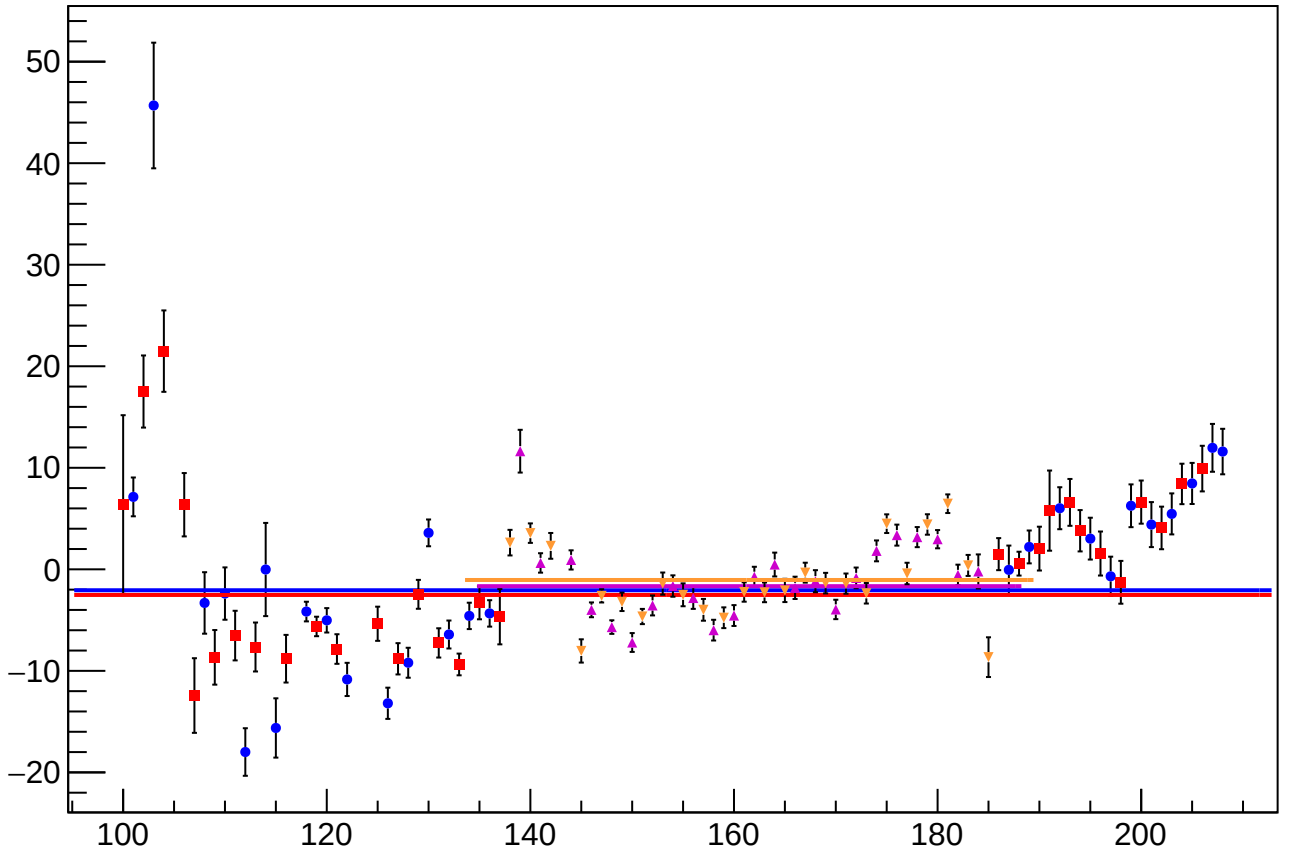
Right: -17.919+/-0.016 χ^2/NDF: 1350945.8/56

In: -25.123+/-0.012 χ^2/NDF:1185765.9/49

Out: -25.400+/-0.012 χ^2/NDF:1100273.4/53

All: -25.263+/-0.009 χ^2/NDF: 2286292.8/103


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -25.874+/-0.306 χ²/NDF: 2953.2/26
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -23.065+/-0.303 χ²/NDF: 3303.1/29
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -24.456+/-0.215 χ²/NDF: 6298.9/56
In: -29.757+/-0.202 χ²/NDF:4382.0/49
Out: -29.052+/-0.199 χ²/NDF:5009.8/53
All: -29.400+/-0.142 χ²/NDF: 9398.0/103



Right In: -2.061+/-0.337 χ^2/NDF: 468.6/26

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.524+/-0.336 χ^2/NDF: 340.3/29

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

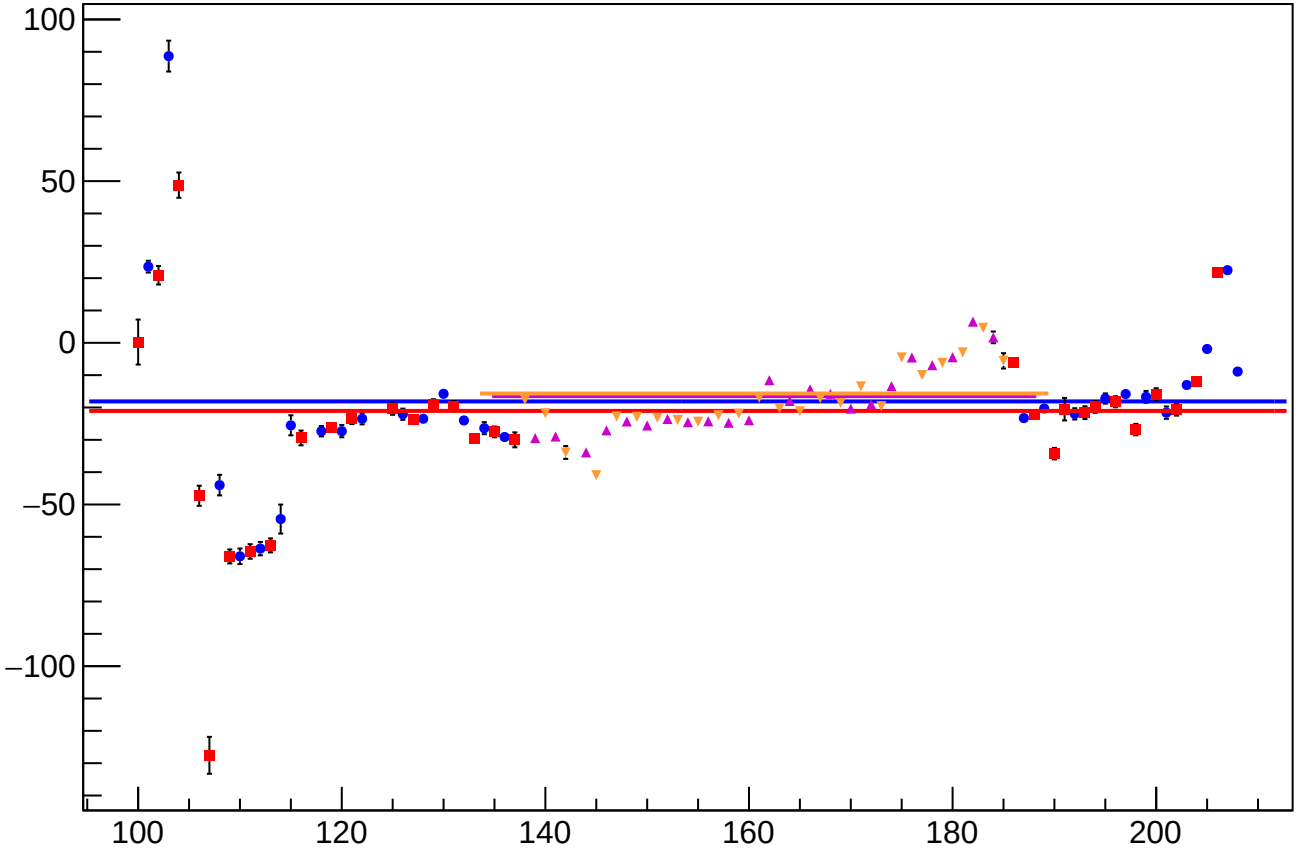
Right: -2.293+/-0.238 χ^2/NDF: 809.9/56

In: -1.769+/-0.176 χ^2/NDF:734.0/49

Out: -1.444+/-0.174 χ^2/NDF:643.8/53

All: -1.604+/-0.124 χ^2/NDF: 1379.6/103

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.121+/-0.314 χ^2/NDF: 3259.7/26

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -21.059+/-0.303 χ^2/NDF: 3454.6/29

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

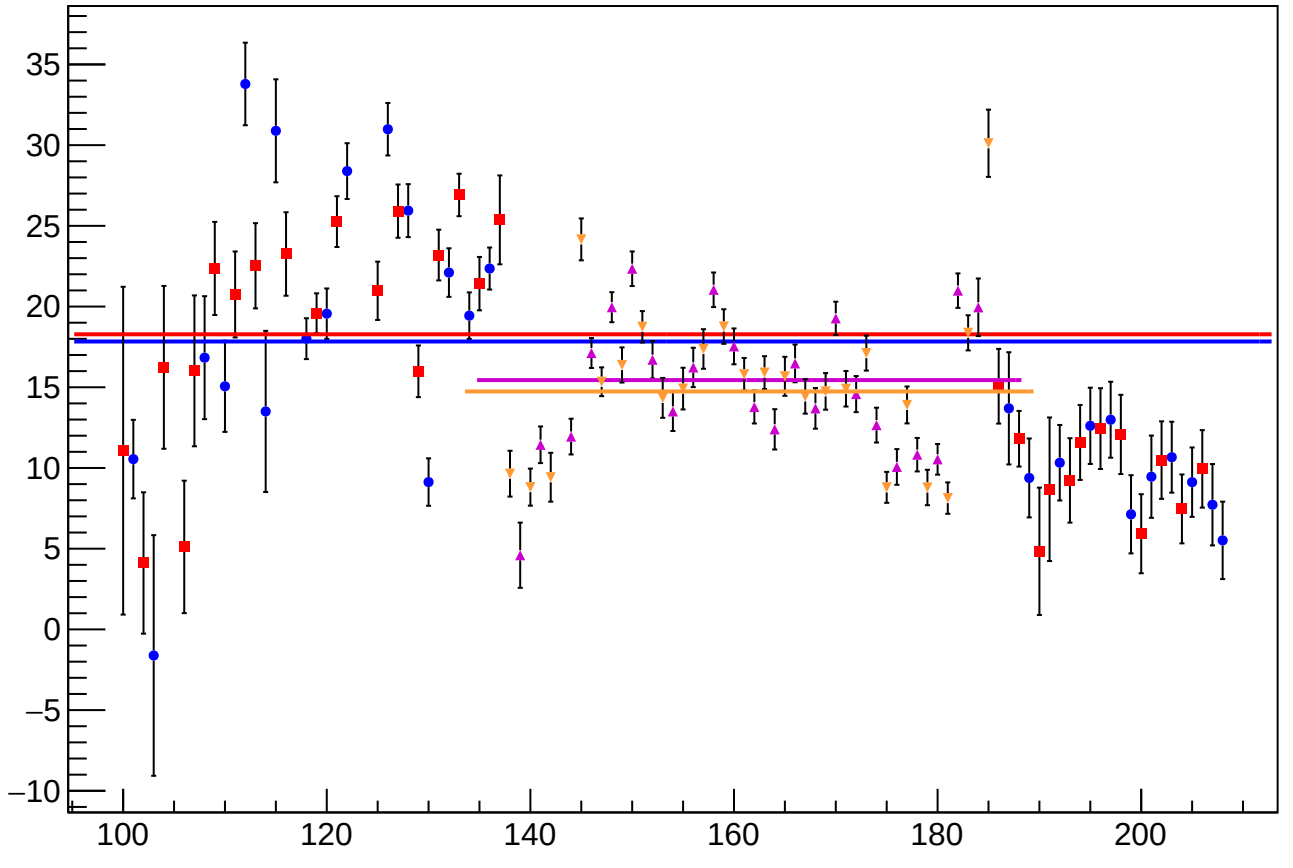
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -19.645+/-0.218 χ^2/NDF: 6759.7/56

In: -17.164+/-0.203 χ^2/NDF:4973.3/49

Out: -17.991+/-0.199 χ^2/NDF:5155.7/53

All: -17.587+/-0.142 χ^2/NDF: 10137.5/103



Right In: 17.836+/-0.388 χ^2/NDF: 390.6/26

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.282+/-0.395 χ^2/NDF: 278.5/29

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

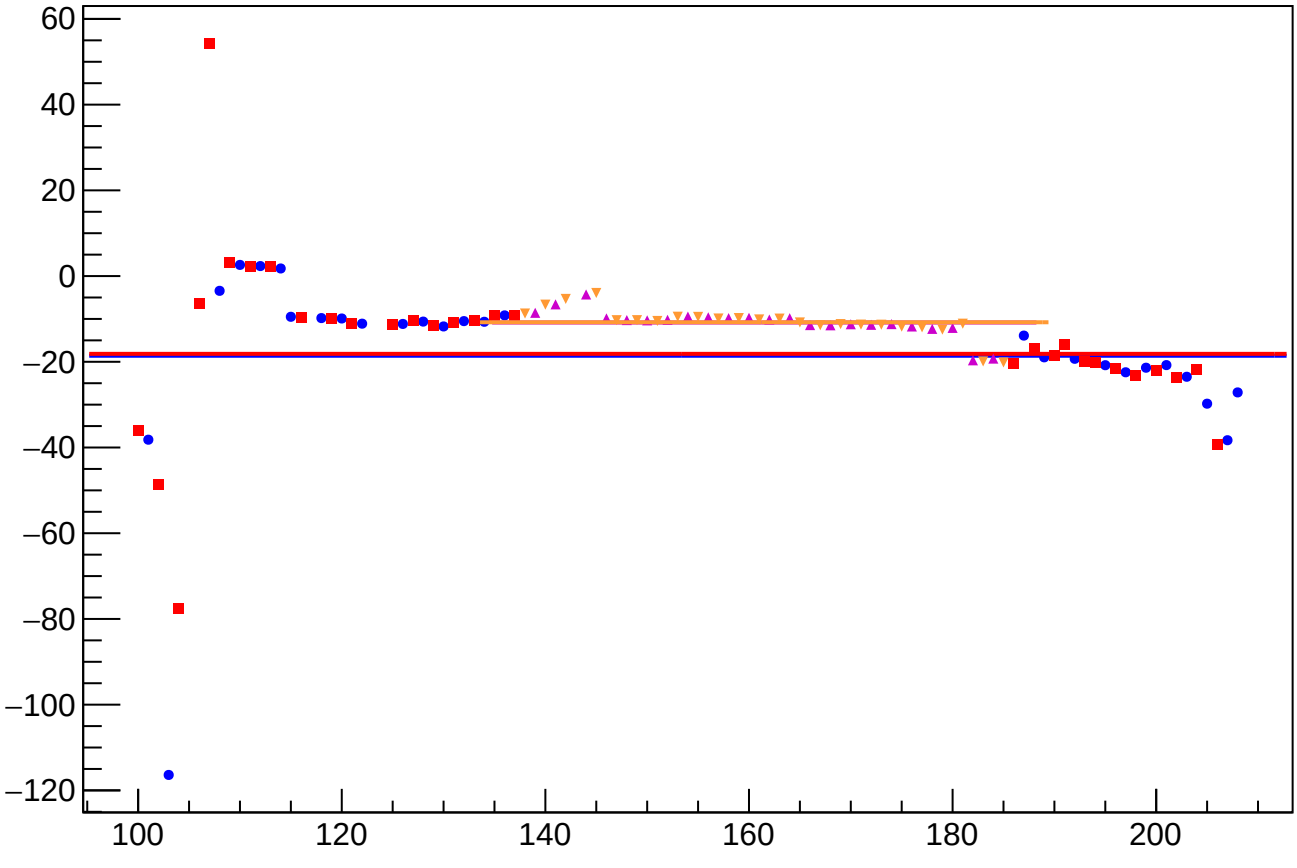
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 18.055+/-0.277 χ^2/NDF: 669.7/56

In: 16.078+/-0.200 χ^2/NDF:708.9/49

Out: 15.632+/-0.198 χ^2/NDF:669.5/53

All: 15.854+/-0.141 χ^2/NDF: 1380.9/103



Right In: -18.589+/-0.019 χ^2/NDF: 453748.9/26

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.148+/-0.019 χ^2/NDF: 432290.4/29

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

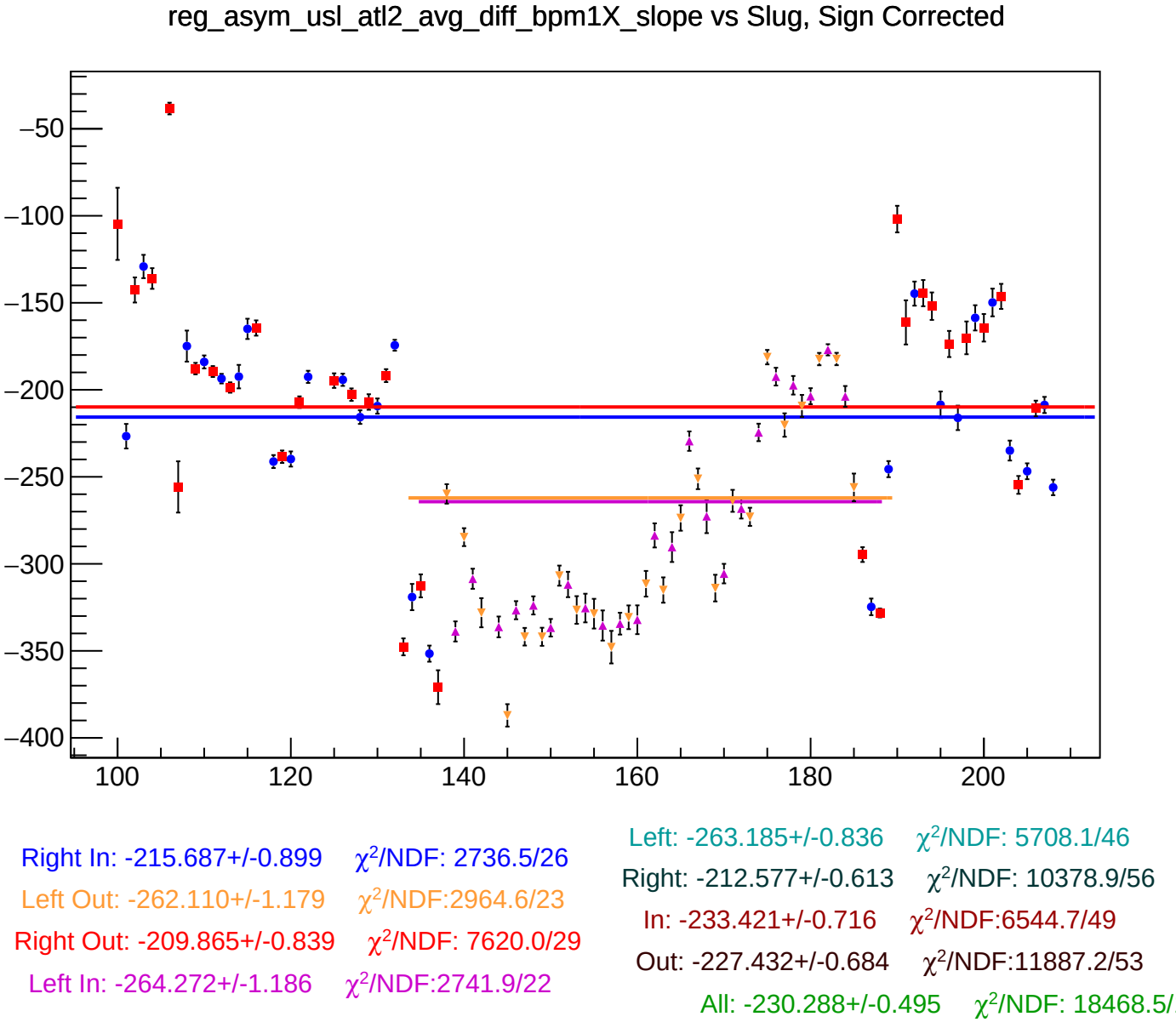
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

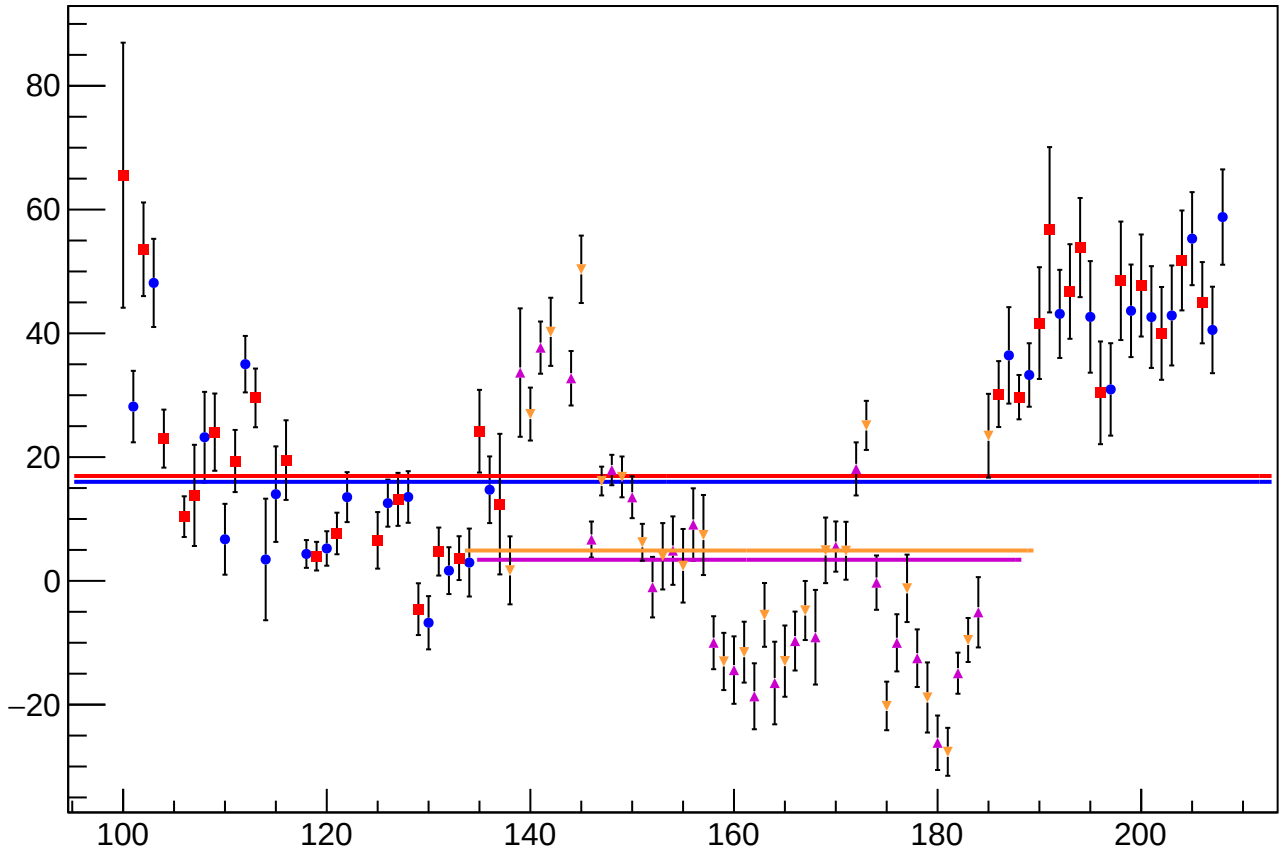
Right: -18.370+/-0.014 χ^2/NDF: 886305.3/56

In: -12.593+/-0.009 χ^2/NDF:656129.5/49

Out: -12.427+/-0.009 χ^2/NDF:631932.6/53

All: -12.510+/-0.006 χ^2/NDF: 1288230.2/103


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
Right In: -215.687+/-0.899 χ²/NDF: 2736.5/26
Left Out: -262.110+/-1.179 χ²/NDF:2964.6/23
Right Out: -209.865+/-0.839 χ²/NDF: 7620.0/29
Left In: -264.272+/-1.186 χ²/NDF:2741.9/22
Left: -263.185+/-0.836 χ²/NDF: 5708.1/46
Right: -212.577+/-0.613 χ²/NDF: 10378.9/56
In: -233.421+/-0.716 χ²/NDF:6544.7/49
Out: -227.432+/-0.684 χ²/NDF:11887.2/53
All: -230.288+/-0.495 χ²/NDF: 18468.5/103



Right In: 16.003+/-0.959 χ^2/NDF: 290.2/26

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.948+/-0.921 χ^2/NDF: 285.2/29

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

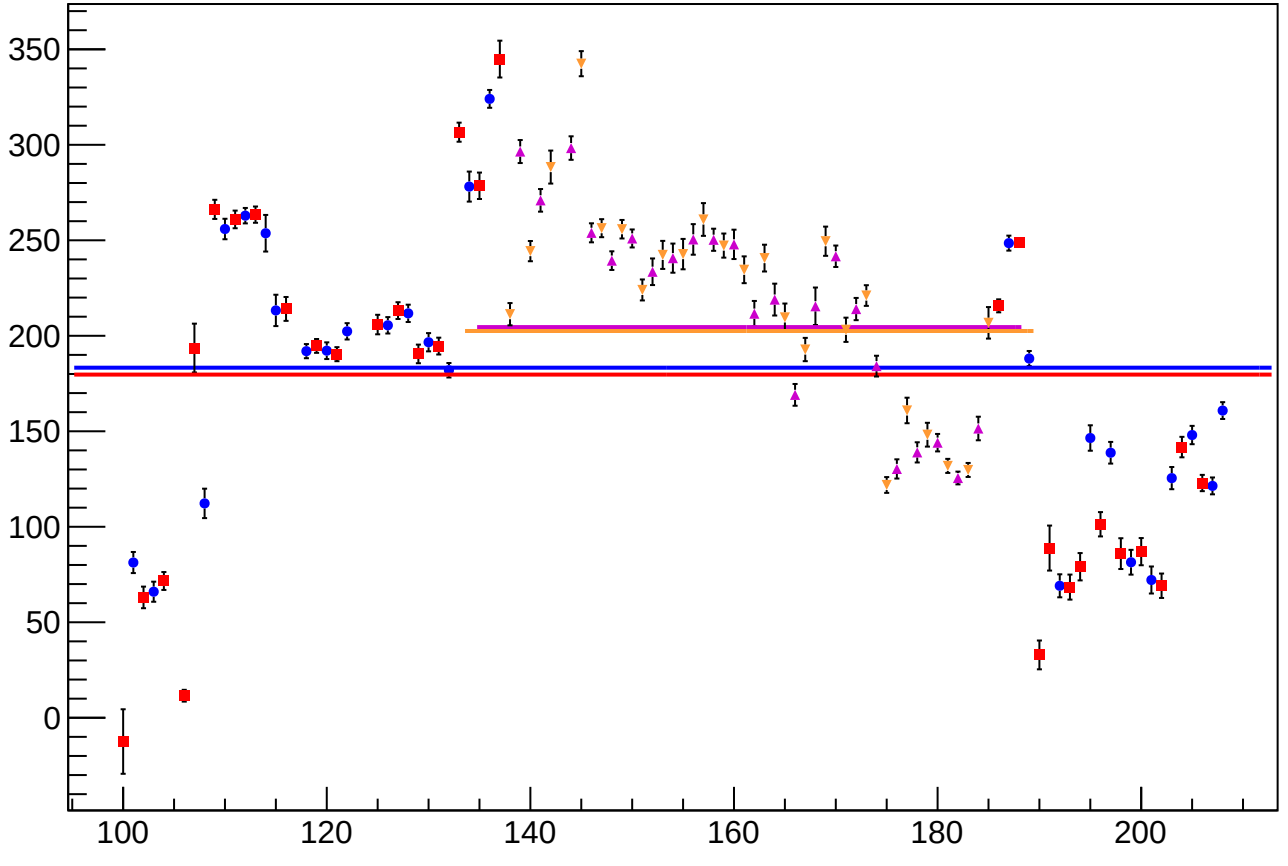
Right: 16.494+/-0.664 χ^2/NDF: 575.9/56

In: 9.315+/-0.656 χ^2/NDF:715.2/49

Out: 10.696+/-0.639 χ^2/NDF:772.8/53

All: 10.024+/-0.458 χ^2/NDF: 1490.3/103

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 183.301+/-0.955 χ^2/NDF: 4317.2/26

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 179.685+/-0.868 χ^2/NDF: 9487.6/29

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

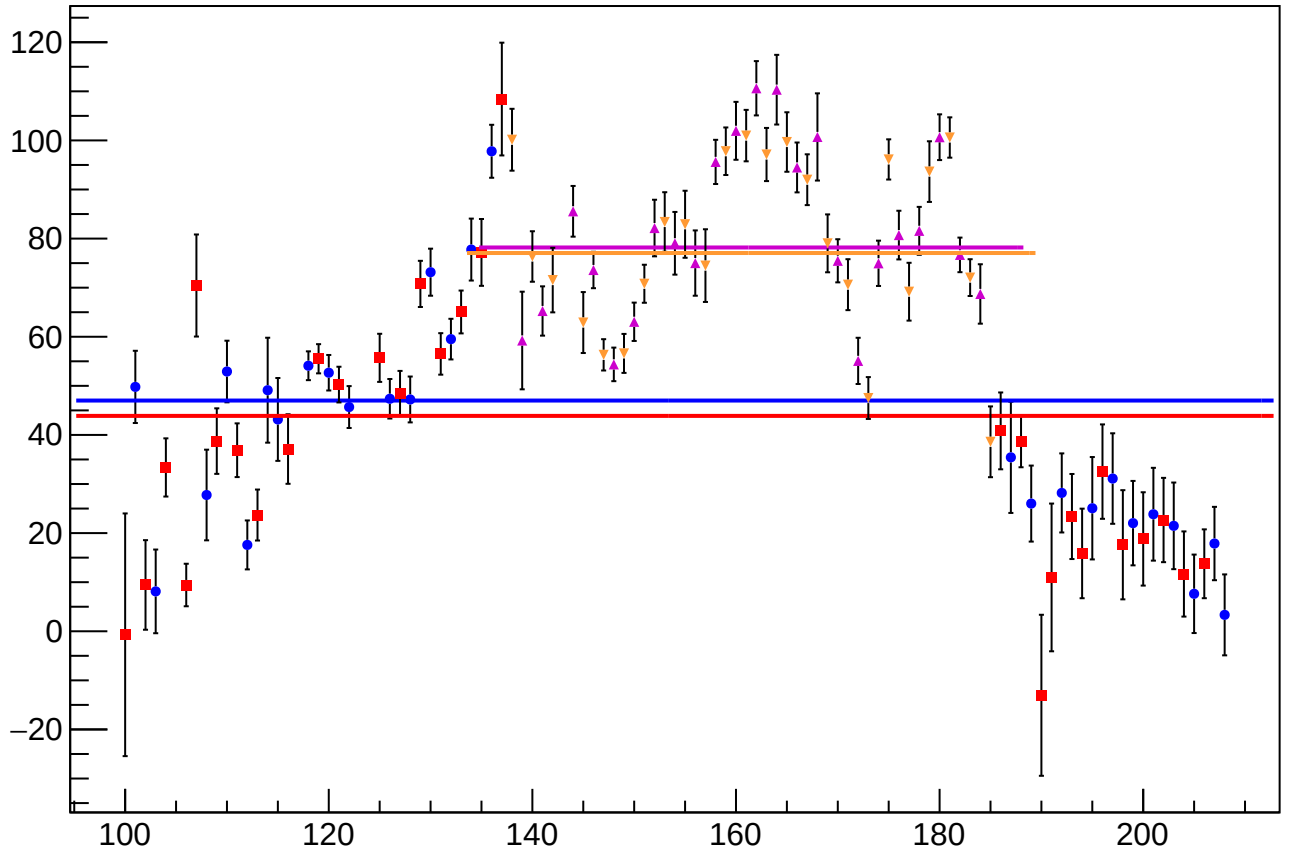
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.320+/-0.642 χ^2/NDF: 13812.7/56

In: 191.744+/-0.742 χ^2/NDF:6799.5/49

Out: 187.760+/-0.698 χ^2/NDF:12125.9/53

All: 189.630+/-0.508 χ^2/NDF: 18940.8/103



Right In: 47.005+/-1.121 χ^2/NDF: 332.4/26

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 43.879+/-1.091 χ^2/NDF: 339.8/29

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

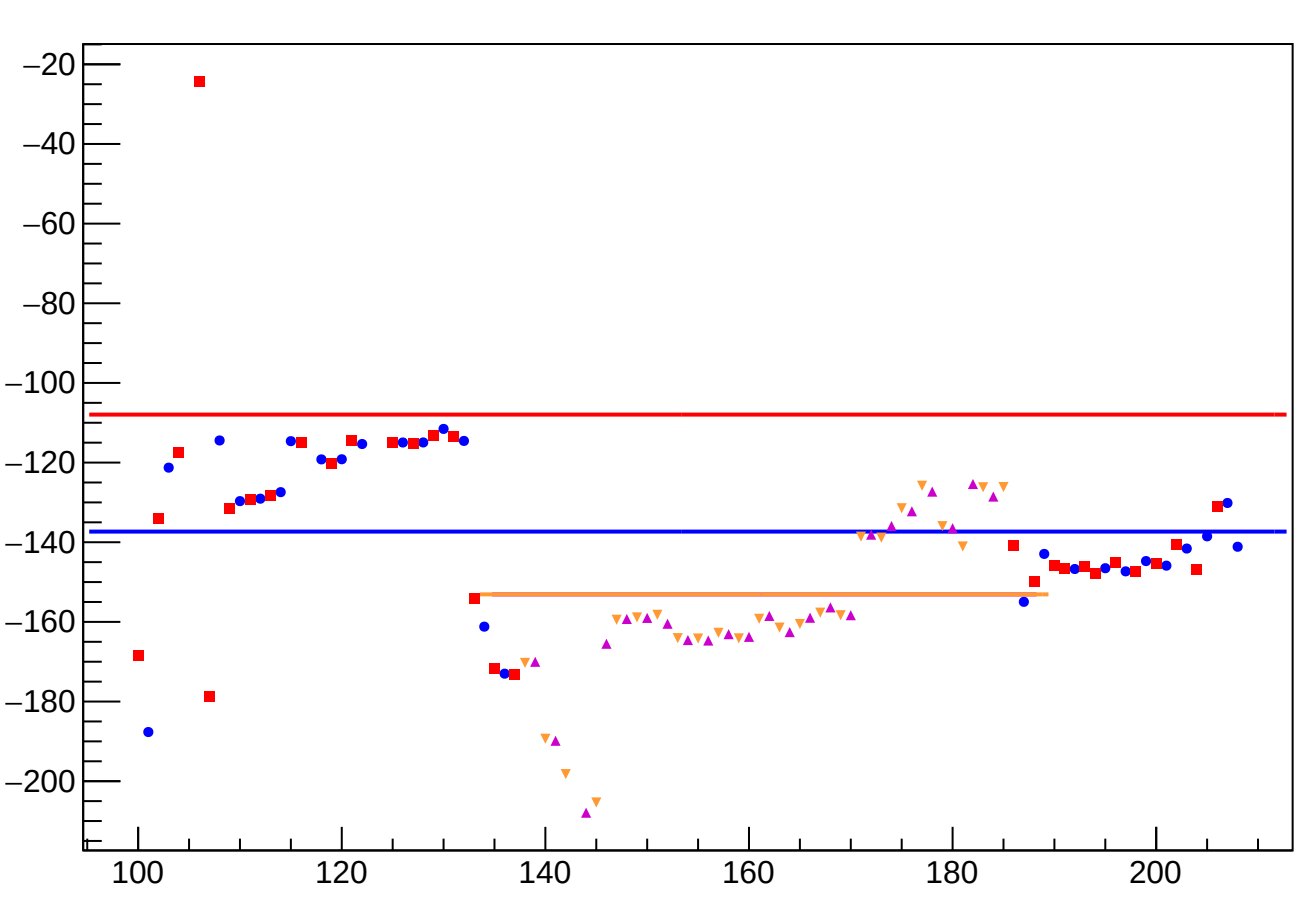
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 45.399+/-0.782 χ^2/NDF: 676.2/56

In: 63.984+/-0.757 χ^2/NDF:986.1/49

Out: 61.656+/-0.743 χ^2/NDF:1147.0/53

All: 62.799+/-0.530 χ^2/NDF: 2137.9/103



Right In: -137.326+/-0.061 χ^2/NDF: 103778.4/26

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.951+/-0.052 χ^2/NDF: 985520.7/29

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

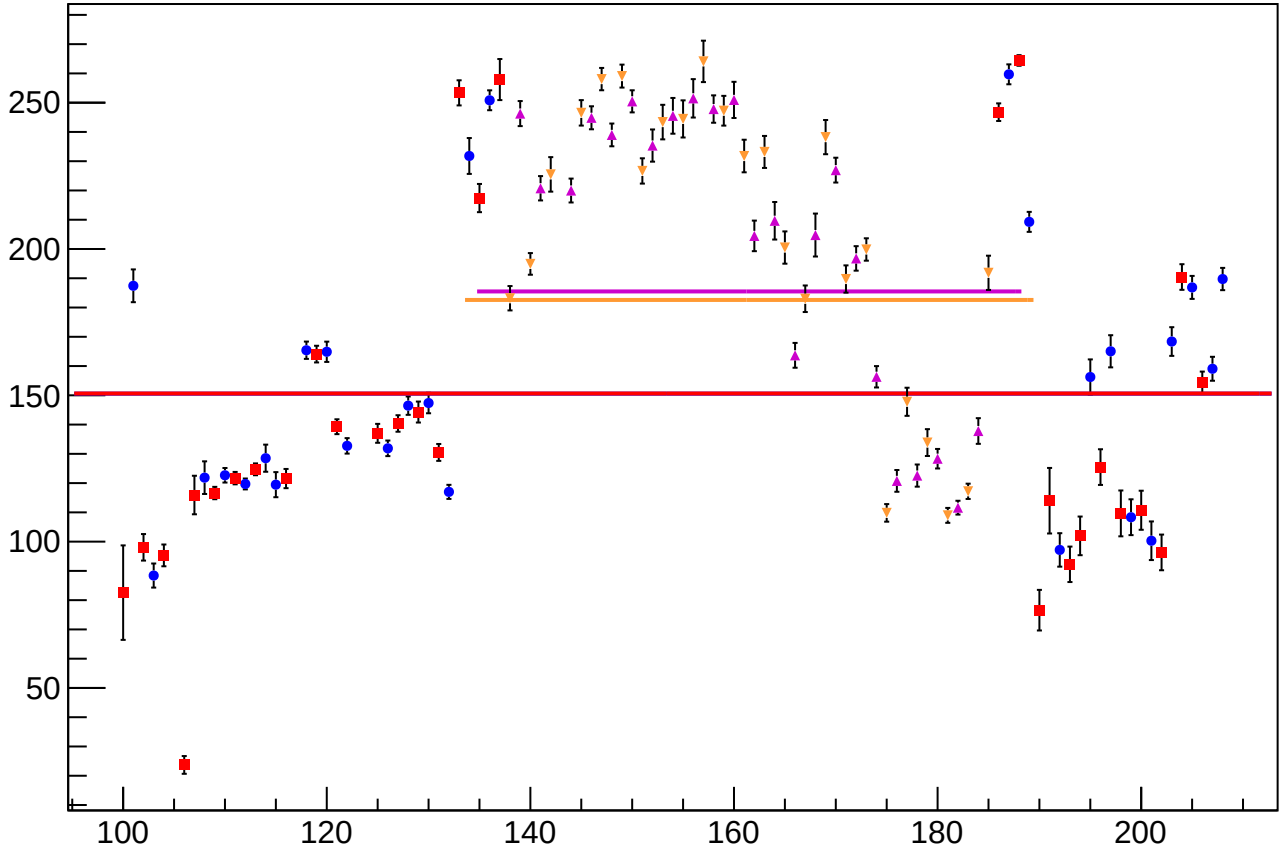
Right: -120.299+/-0.040 χ^2/NDF: 1223392.8/56

In: -147.292+/-0.037 χ^2/NDF:312576.0/49

Out: -132.838+/-0.035 χ^2/NDF:1578352.8/53

All: -139.618+/-0.025 χ^2/NDF: 1971674.3/10

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 150.565+/-0.678 χ^2/NDF: 3884.5/26

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.620+/-0.625 χ^2/NDF: 9454.9/29

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

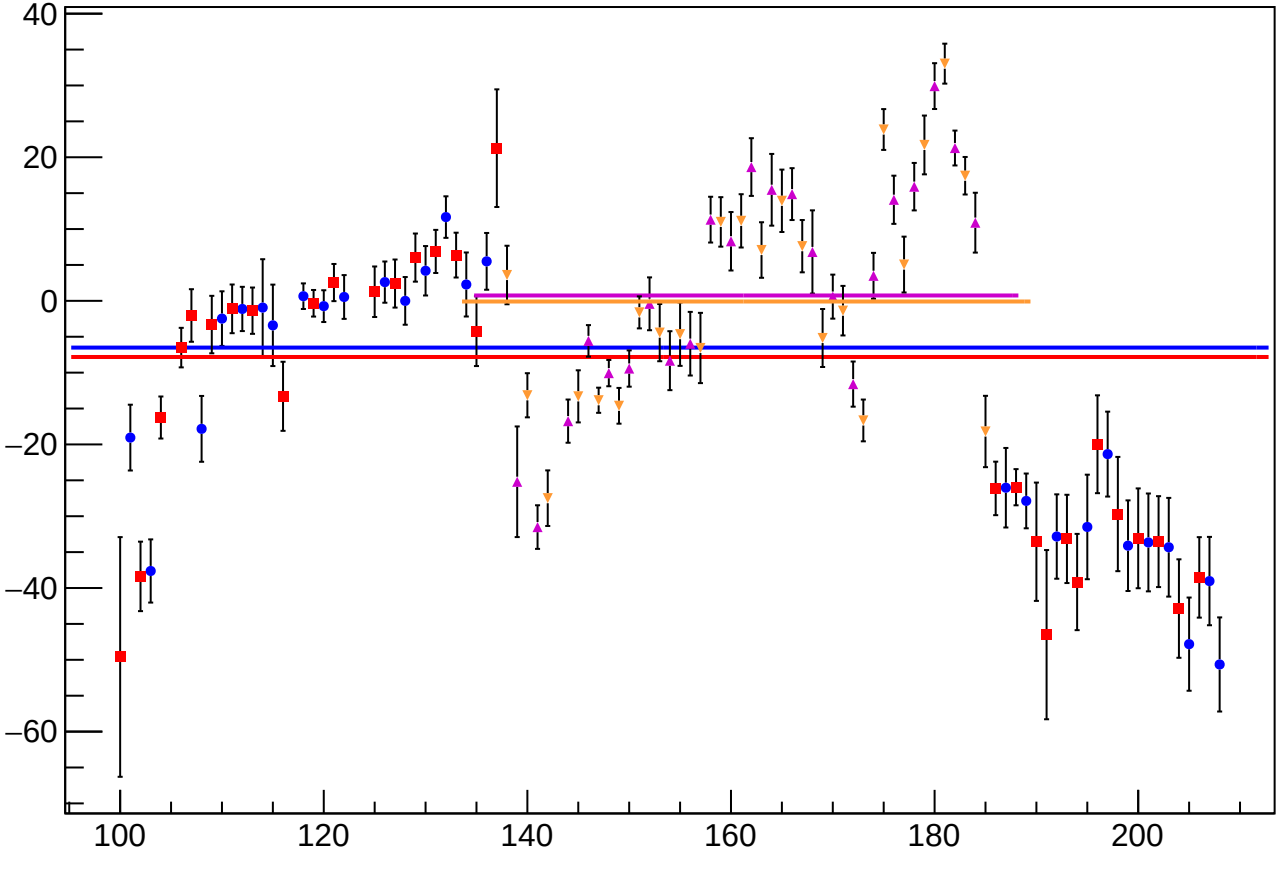
Right: 150.595+/-0.460 χ^2/NDF: 13339.4/56

In: 163.728+/-0.536 χ^2/NDF:8705.8/49

Out: 161.564+/-0.507 χ^2/NDF:14503.7/53

All: 162.586+/-0.368 χ^2/NDF: 23218.2/103

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.511+/-0.735 χ^2/NDF: 420.2/26

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.821+/-0.696 χ^2/NDF: 422.7/29

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

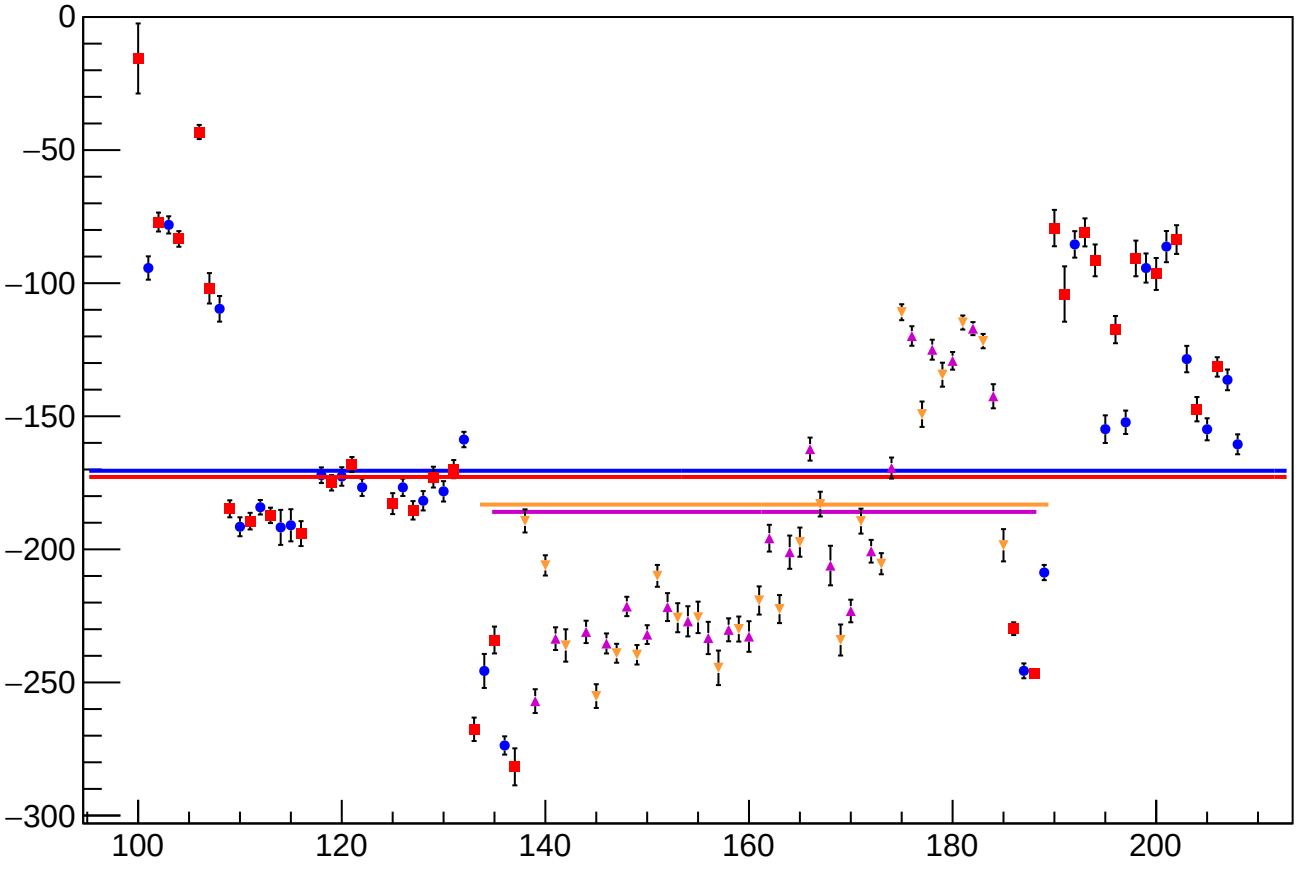
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -7.202+/-0.505 χ^2/NDF: 844.6/56

In: -2.520+/-0.493 χ^2/NDF:971.5/49

Out: -3.721+/-0.477 χ^2/NDF:1043.5/53

All: -3.141+/-0.343 χ^2/NDF: 2018.0/103



Right In: -170.473+/-0.727 χ^2/NDF: 4233.0/26

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -172.800+/-0.648 χ^2/NDF: 9995.6/29

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

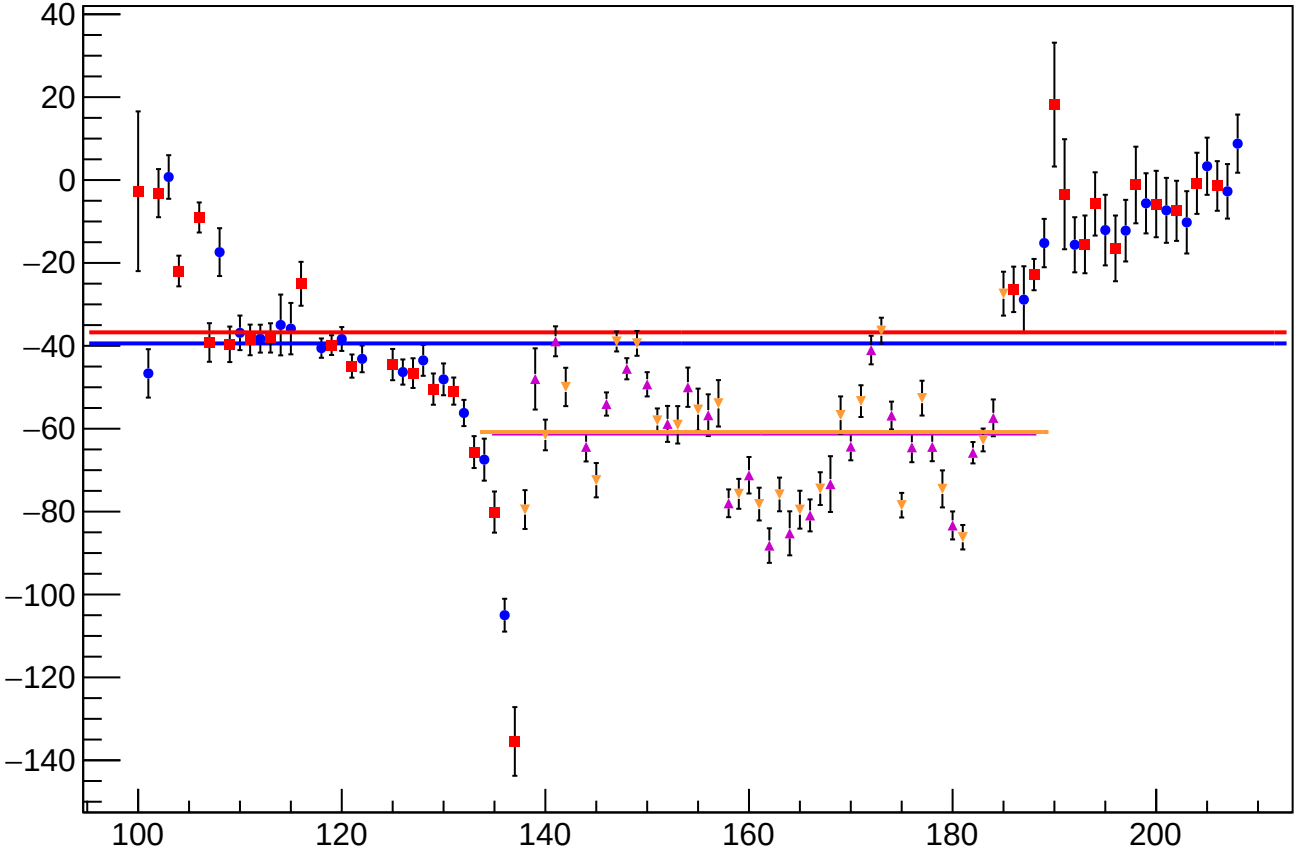
Right: -171.769+/-0.484 χ^2/NDF: 14234.3/56

In: -176.853+/-0.557 χ^2/NDF:7601.5/49

Out: -176.547+/-0.518 χ^2/NDF:13449.2/53

All: -176.689+/-0.379 χ^2/NDF: 21050.8/103

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -39.424+/-0.859 χ^2/NDF: 647.1/26

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -36.747+/-0.825 χ^2/NDF: 619.4/29

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

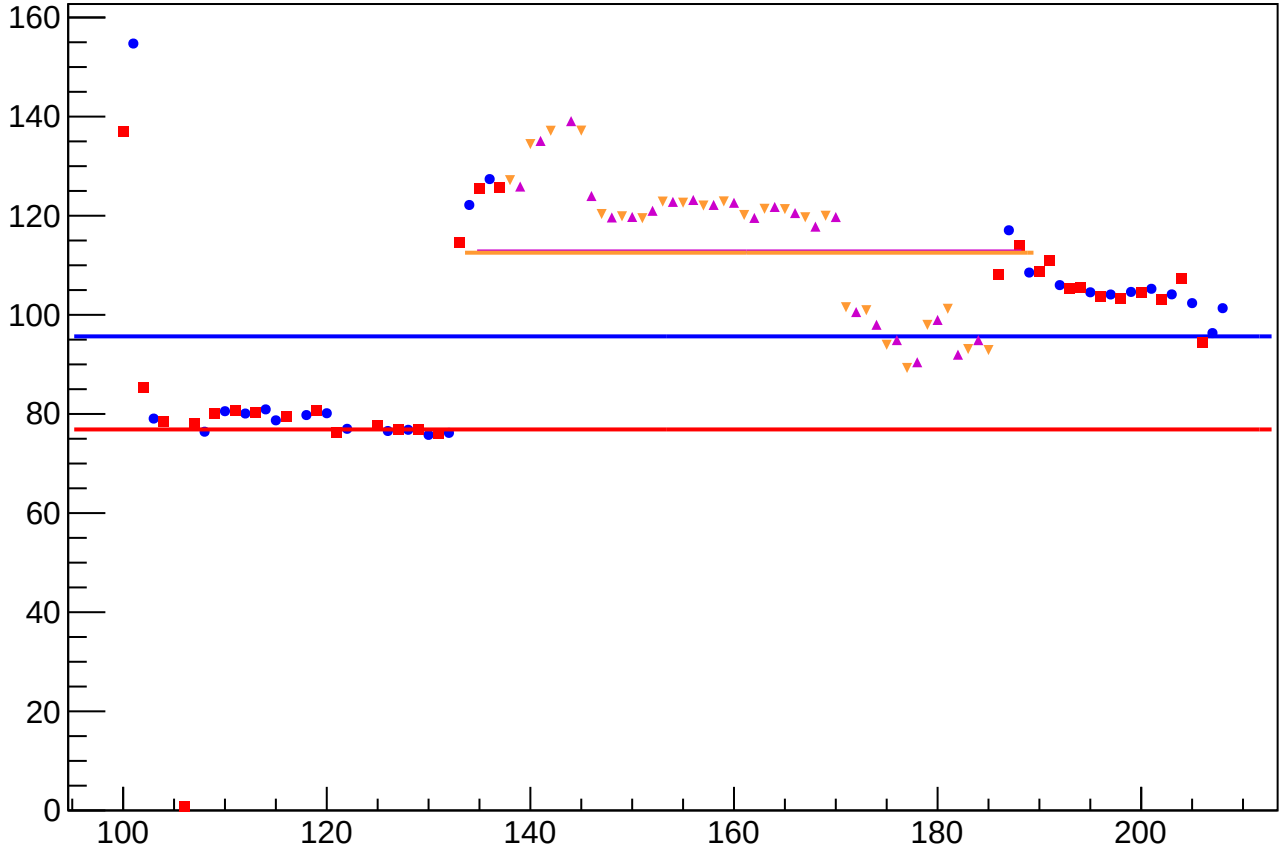
Right: -38.031+/-0.595 χ^2/NDF: 1271.6/56

In: -51.672+/-0.568 χ^2/NDF:1324.7/49

Out: -49.934+/-0.555 χ^2/NDF:1559.5/53

All: -50.782+/-0.397 χ^2/NDF: 2889.0/103

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 95.657+/-0.047 χ^2/NDF: 183063.8/26

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.878+/-0.041 χ^2/NDF: 883161.0/29

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

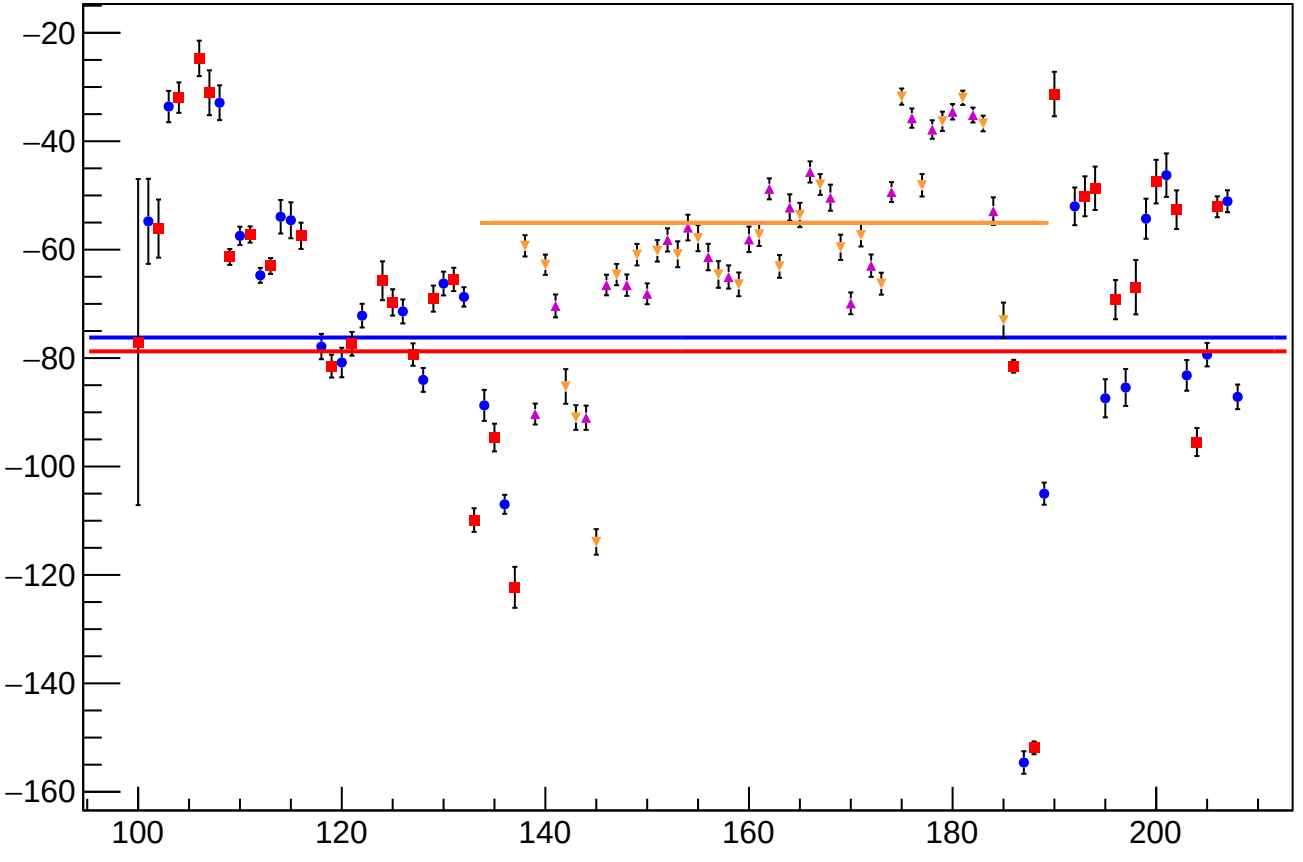
Right: 85.040+/-0.031 χ^2/NDF: 1157772.1/56

In: 106.754+/-0.028 χ^2/NDF:442047.9/49

Out: 97.679+/-0.026 χ^2/NDF:1500753.8/53

All: 102.000+/-0.019 χ^2/NDF: 1999000.2/103

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -76.209+/-0.454 χ^2/NDF: 3043.6/26

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -78.754+/-0.411 χ^2/NDF: 6163.0/29

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

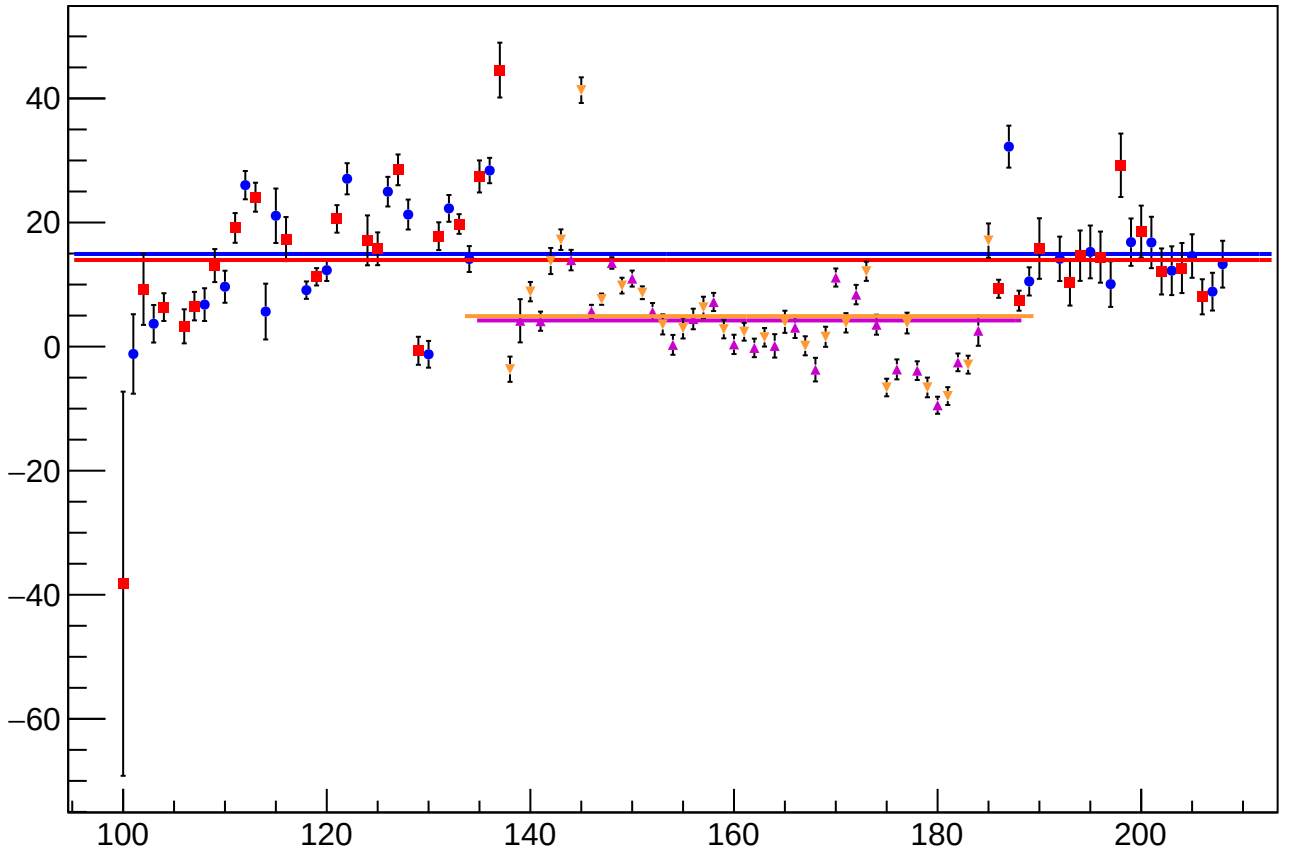
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -77.607+/-0.305 χ^2/NDF: 9223.8/56

In: -64.559+/-0.305 χ^2/NDF:5779.6/49

Out: -66.598+/-0.287 χ^2/NDF:9866.0/54

All: -65.639+/-0.209 χ^2/NDF: 15669.4/104



Right In: 14.929+/-0.506 χ^2/NDF: 279.4/26

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.957+/-0.464 χ^2/NDF: 289.5/29

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

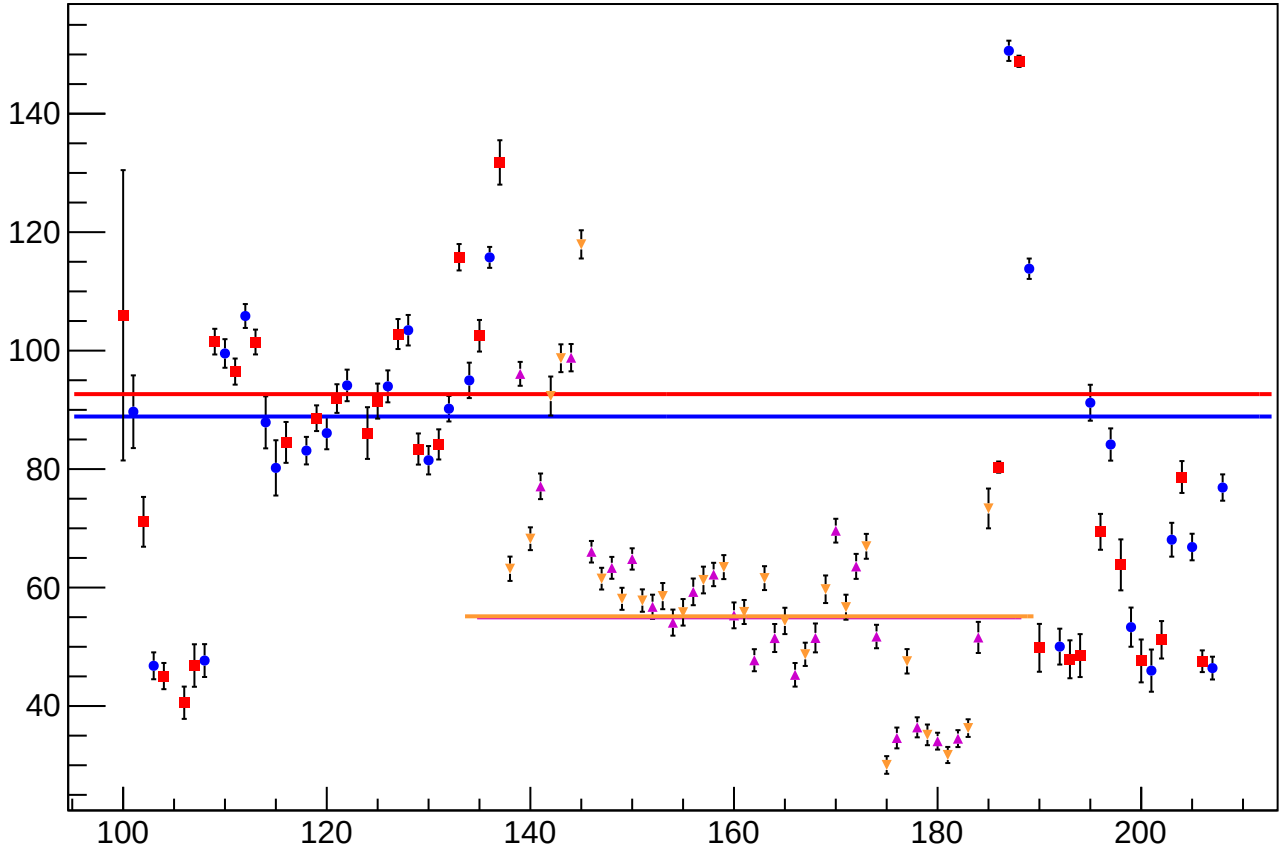
Right: 14.400+/-0.342 χ^2/NDF: 570.8/56

In: 7.170+/-0.266 χ^2/NDF:1018.9/49

Out: 7.597+/-0.253 χ^2/NDF:1298.6/54

All: 7.394+/-0.183 χ^2/NDF: 2318.9/104

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.875+/-0.475 χ^2/NDF: 3559.4/26

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.657+/-0.413 χ^2/NDF: 6532.9/29

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

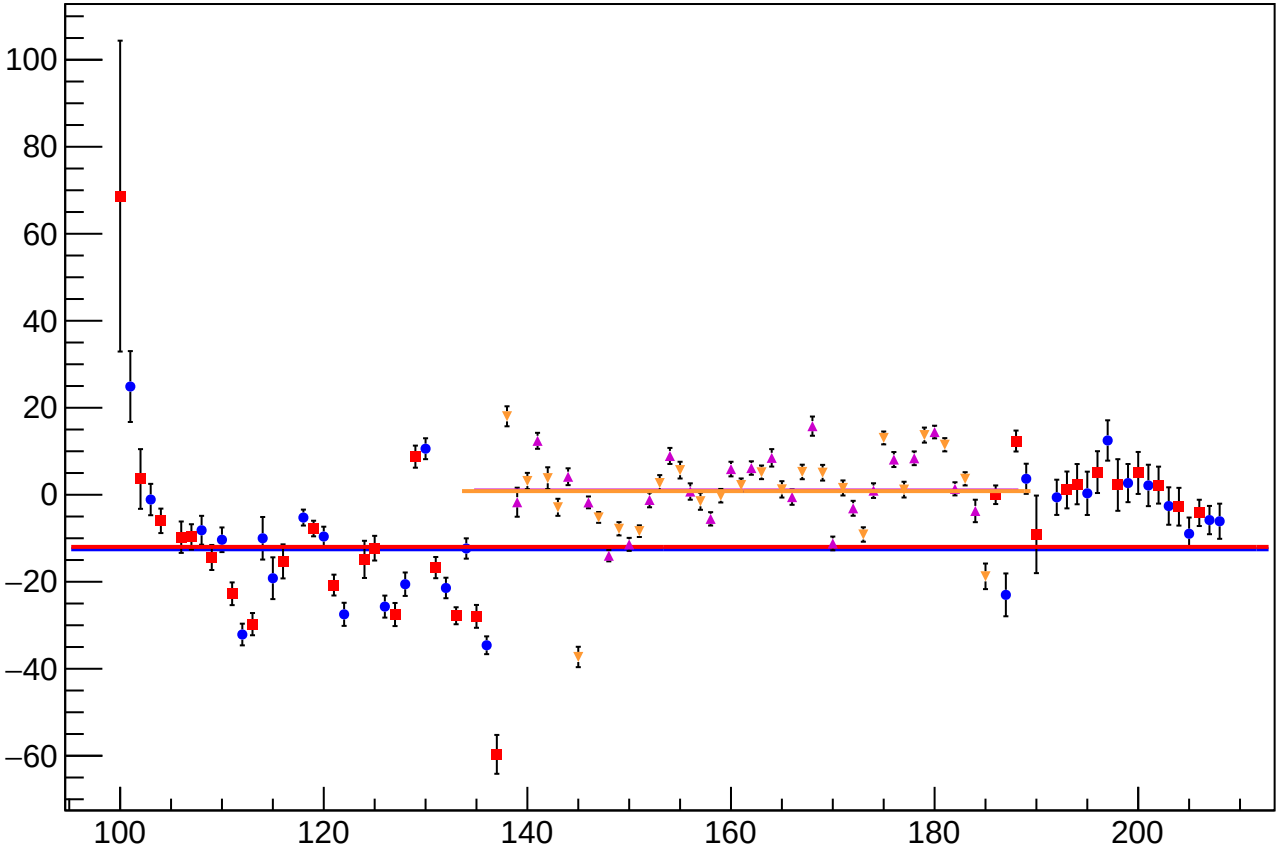
Right: 91.029+/-0.312 χ^2/NDF: 10128.5/56

In: 69.269+/-0.308 χ^2/NDF:8286.6/49

Out: 73.155+/-0.286 χ^2/NDF:13065.0/54

All: 71.358+/-0.210 χ^2/NDF: 21436.9/104

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.534+/-0.586 χ^2/NDF: 511.3/26

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.983+/-0.554 χ^2/NDF: 629.7/29

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

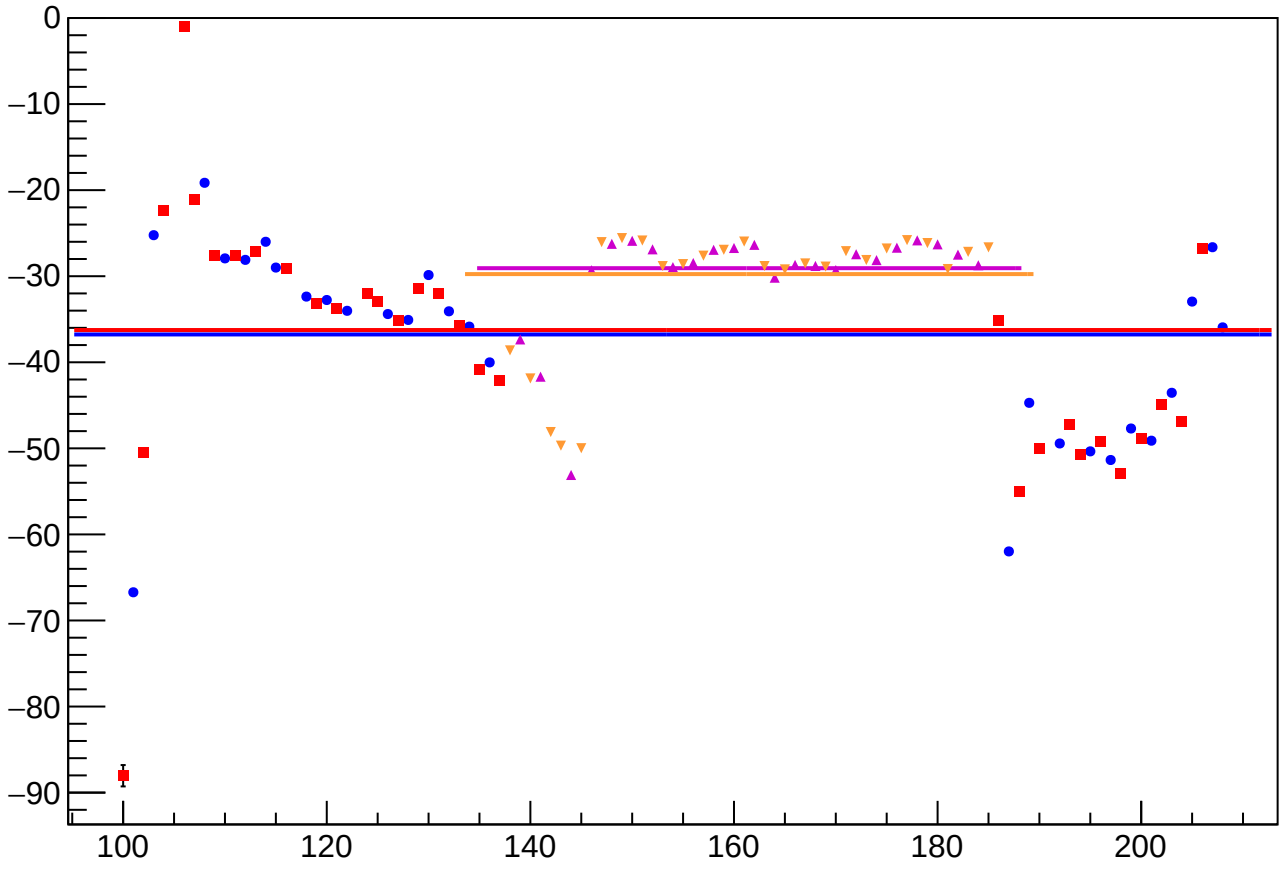
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.243+/-0.403 χ^2/NDF: 1141.5/56

In: -2.620+/-0.303 χ^2/NDF:1459.5/49

Out: -2.707+/-0.292 χ^2/NDF:1733.8/54

All: -2.665+/-0.210 χ^2/NDF: 3193.3/104



Right In: -36.767+/-0.029 χ^2/NDF: 119124.3/26

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.253+/-0.029 χ^2/NDF: 212593.4/29

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

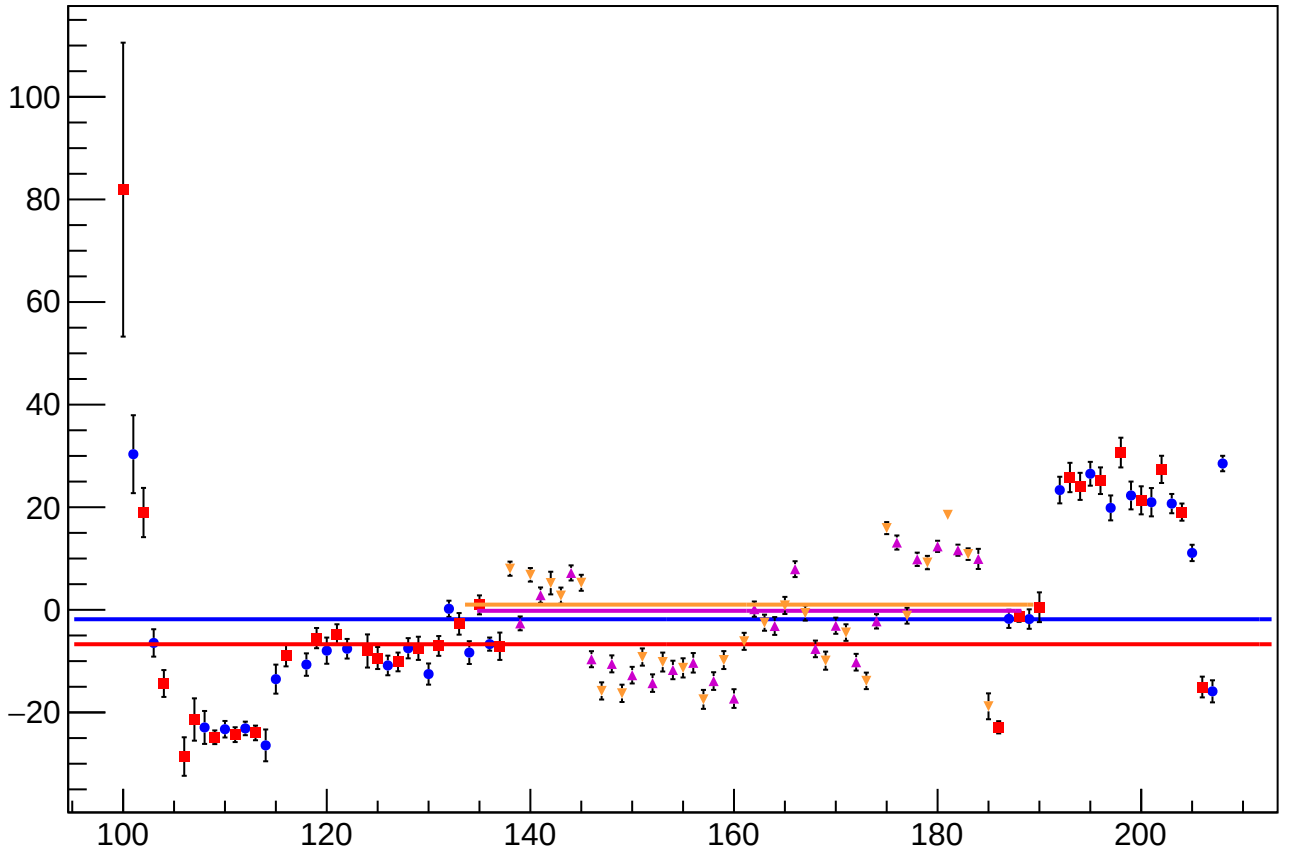
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -36.506+/-0.020 χ^2/NDF: 331875.1/56

In: -30.811+/-0.014 χ^2/NDF:274478.7/49

Out: -31.229+/-0.014 χ^2/NDF:415679.5/54

All: -31.023+/-0.010 χ^2/NDF: 690618.6/104



Right In: -1.837+/-0.385 χ^2/NDF: 1822.0/26

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.709+/-0.364 χ^2/NDF: 1928.0/29

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

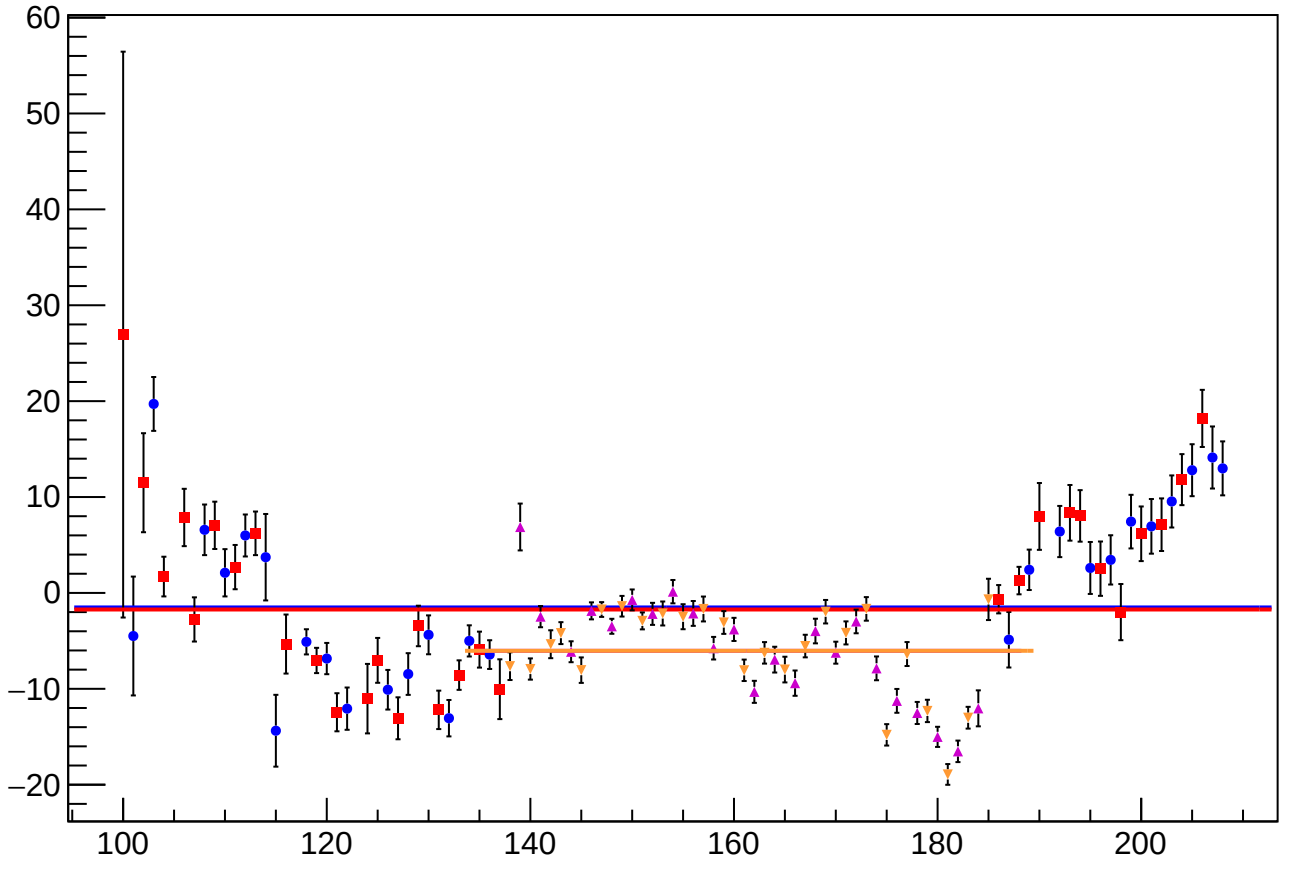
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -4.406+/-0.265 χ^2/NDF: 3834.5/56

In: -0.851+/-0.244 χ^2/NDF:2815.7/49

Out: -2.166+/-0.234 χ^2/NDF:3527.6/54

All: -1.535+/-0.169 χ^2/NDF: 6358.4/104



Right In: -1.515+/-0.436 χ^2/NDF: 349.8/26

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.728+/-0.414 χ^2/NDF: 323.4/29

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

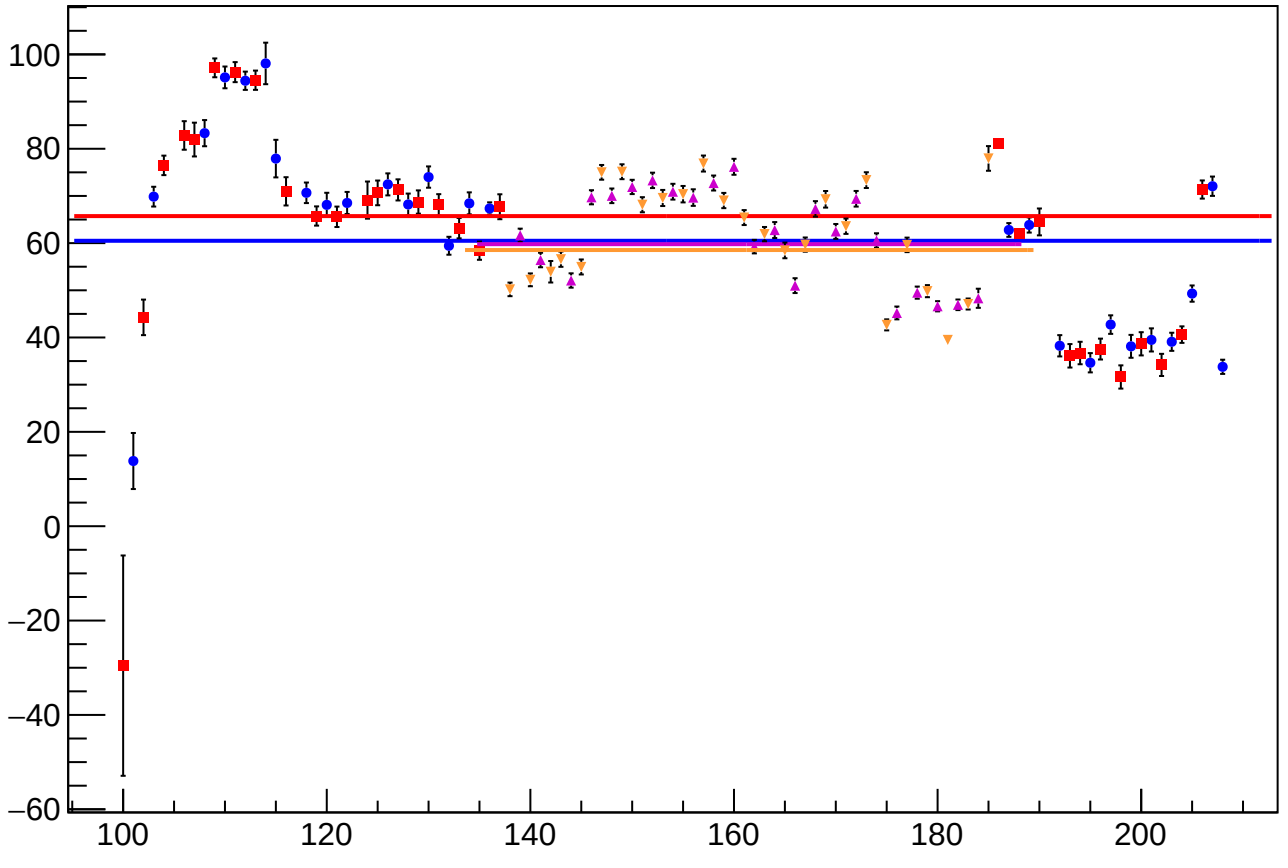
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -1.627+/-0.300 χ^2/NDF: 673.3/56

In: -4.972+/-0.212 χ^2/NDF:828.3/49

Out: -4.997+/-0.203 χ^2/NDF:820.5/54

All: -4.985+/-0.147 χ^2/NDF: 1648.9/104



Right In: 60.495+/-0.398 χ^2/NDF: 1947.1/26

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.728+/-0.365 χ^2/NDF: 2251.2/29

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

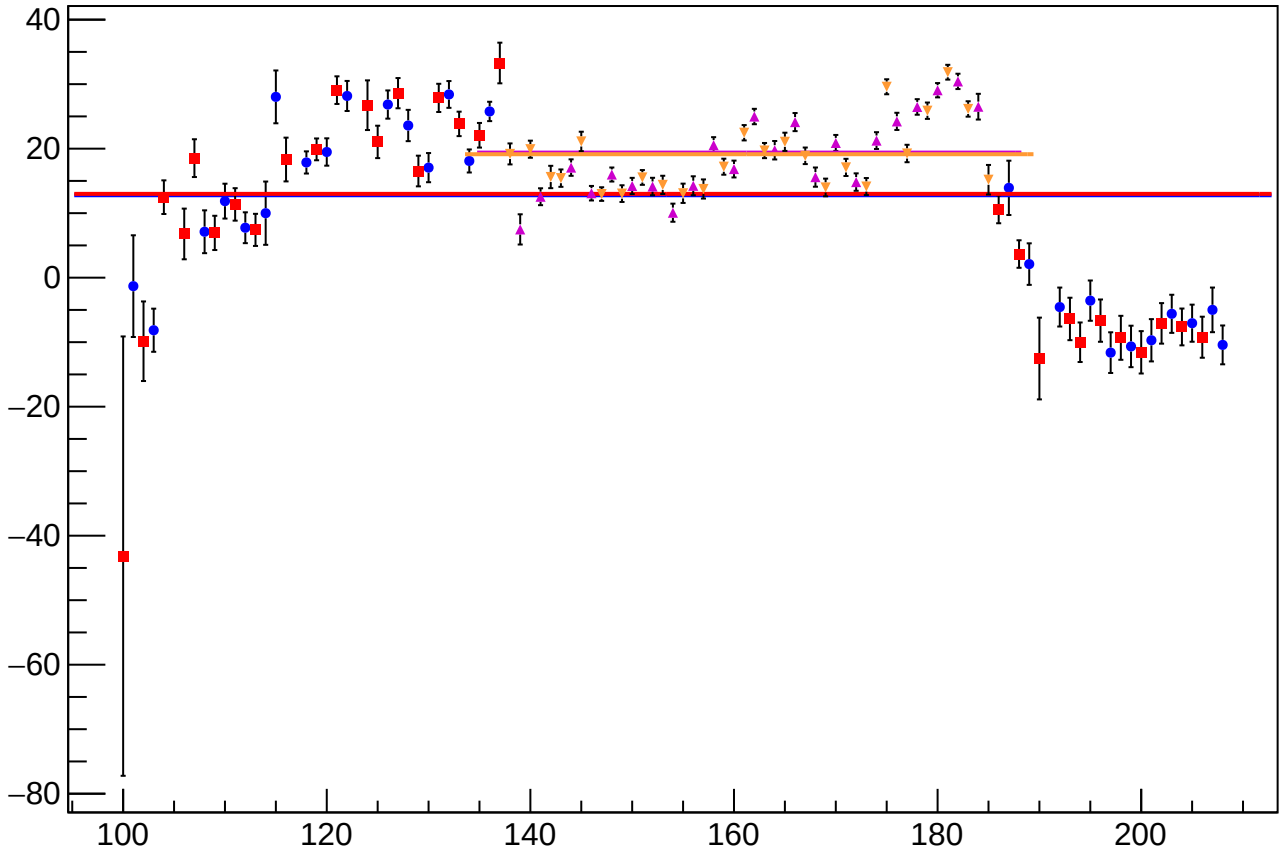
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 63.342+/-0.269 χ^2/NDF: 4292.2/56

In: 60.050+/-0.245 χ^2/NDF:3019.7/49

Out: 61.473+/-0.233 χ^2/NDF:3930.6/54

All: 60.798+/-0.169 χ^2/NDF: 6968.0/104



Right In: 12.779+/-0.500 χ^2/NDF: 735.3/26

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 12.990+/-0.490 χ^2/NDF: 725.6/29

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

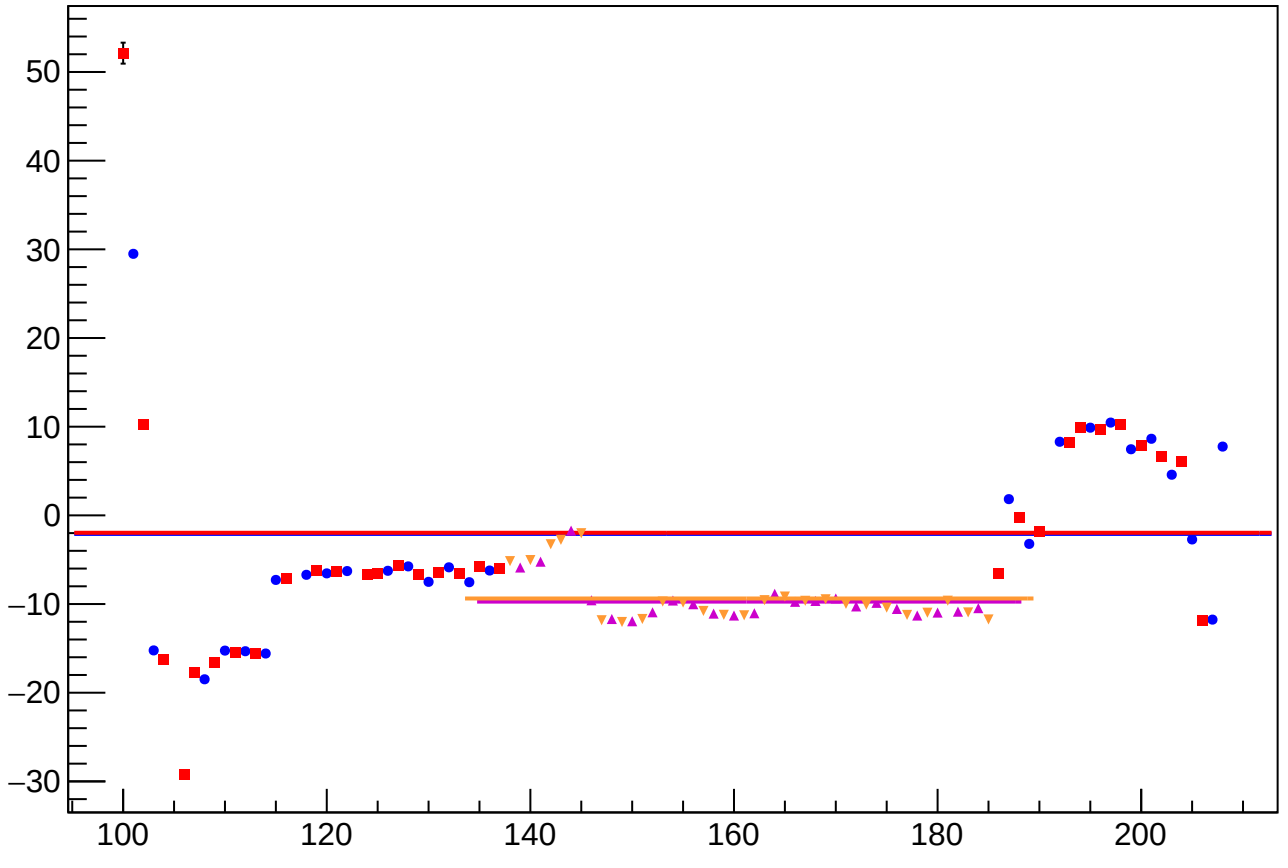
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 12.887+/-0.350 χ^2/NDF: 1461.0/56

In: 17.865+/-0.240 χ^2/NDF:1337.6/49

Out: 17.754+/-0.232 χ^2/NDF:1281.4/54

All: 17.808+/-0.167 χ^2/NDF: 2619.2/104



Right In: -2.093+/-0.024 χ^2/NDF: 161147.8/26

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.964+/-0.024 χ^2/NDF: 193718.4/29

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

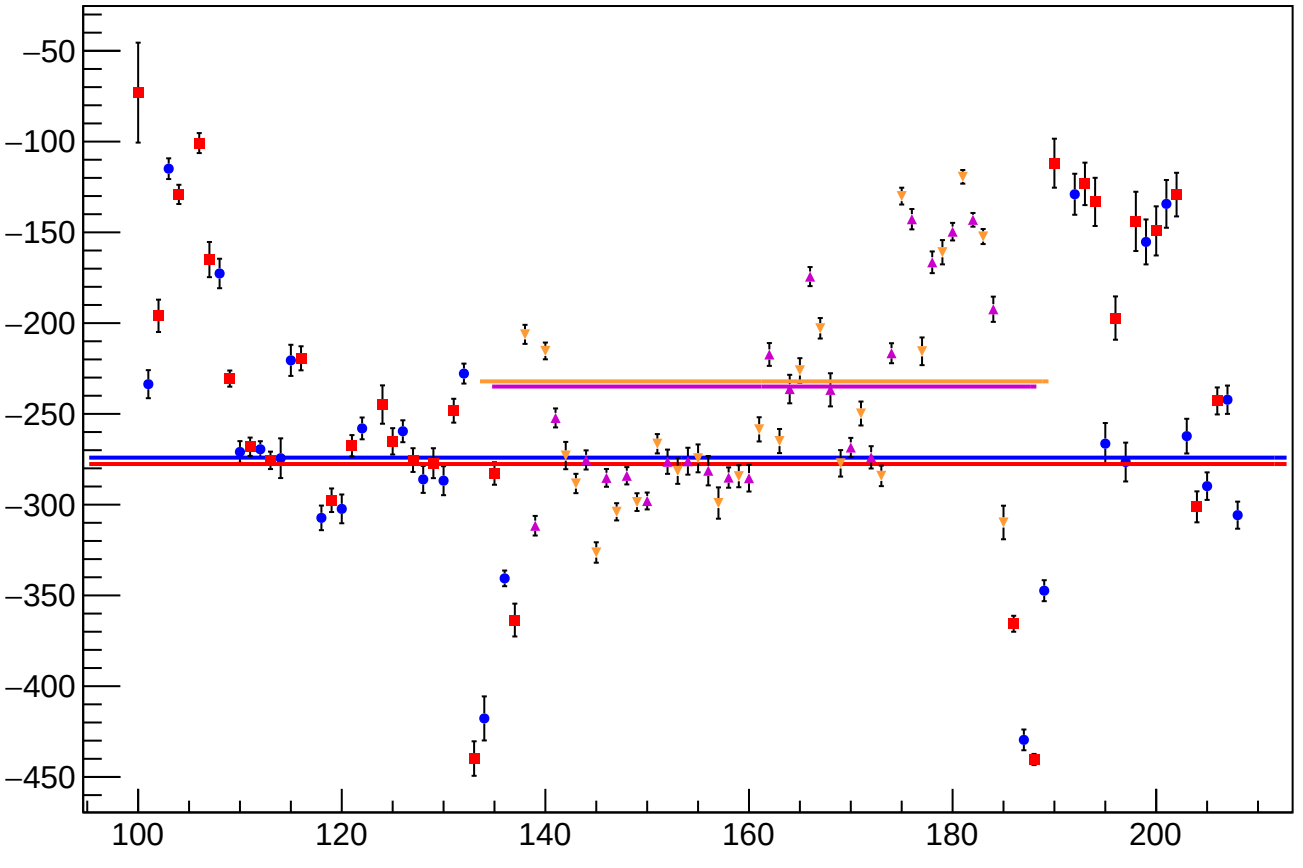
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -2.029+/-0.017 χ^2/NDF: 354880.9/56

In: -8.135+/-0.011 χ^2/NDF:275896.2/49

Out: -7.892+/-0.011 χ^2/NDF:321500.9/54

All: -8.011+/-0.008 χ^2/NDF: 597654.8/104



Right In: -274.099+/-1.356 χ^2/NDF: 2818.6/26

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -277.619+/-1.219 χ^2/NDF: 6757.9/29

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

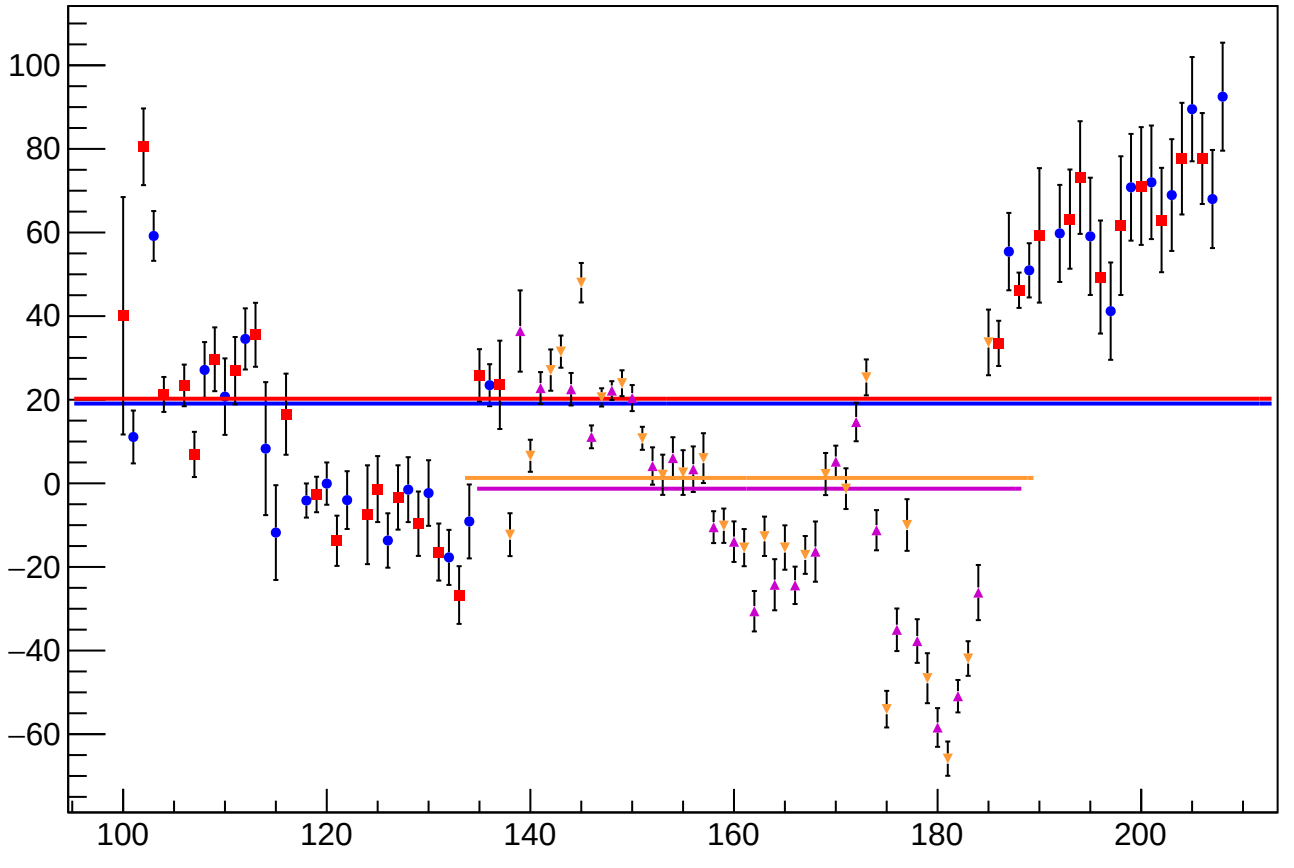
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -276.044+/-0.907 χ^2/NDF: 9580.2/56

In: -251.754+/-0.888 χ^2/NDF:5764.7/49

Out: -253.383+/-0.834 χ^2/NDF:10769.8/54

All: -252.620+/-0.608 χ^2/NDF: 16536.3/104



Right In: 19.084+/-1.471 χ^2/NDF: 391.2/26

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 20.240+/-1.332 χ^2/NDF: 391.5/29

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

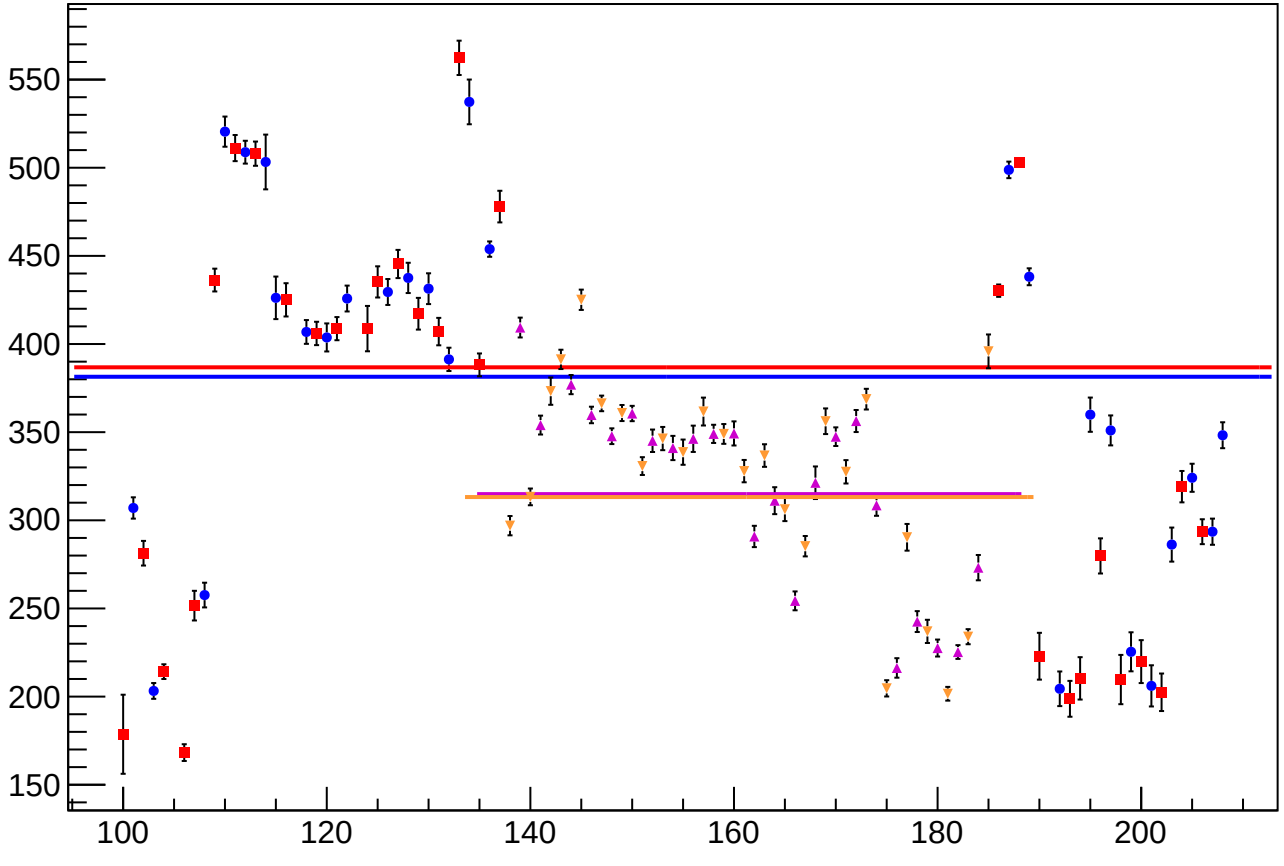
Right: 19.720+/-0.987 χ^2/NDF: 783.0/56

In: 3.987+/-0.748 χ^2/NDF:1344.5/49

Out: 6.658+/-0.709 χ^2/NDF:1586.0/54

All: 5.395+/-0.514 χ^2/NDF: 2937.2/104

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 381.432+/-1.371 χ^2/NDF: 5221.0/26

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.789+/-1.194 χ^2/NDF: 9695.7/29

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

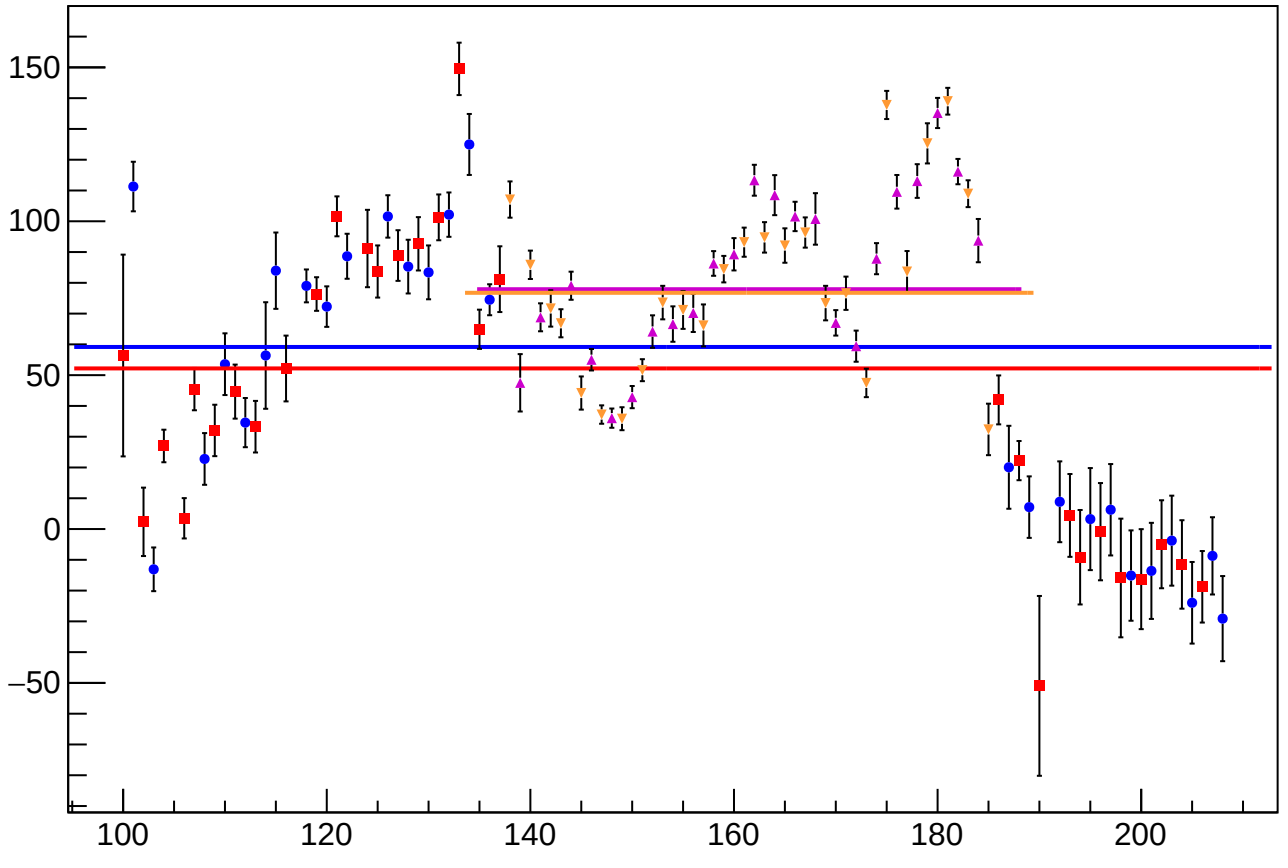
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.479+/-0.901 χ^2/NDF: 14925.4/56

In: 342.669+/-0.886 χ^2/NDF:9022.3/49

Out: 348.092+/-0.822 χ^2/NDF:14828.6/54

All: 345.583+/-0.603 χ^2/NDF: 23871.0/104



Right In: 59.159+/-1.720 χ^2/NDF: 605.0/26

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 52.187+/-1.602 χ^2/NDF: 618.2/29

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

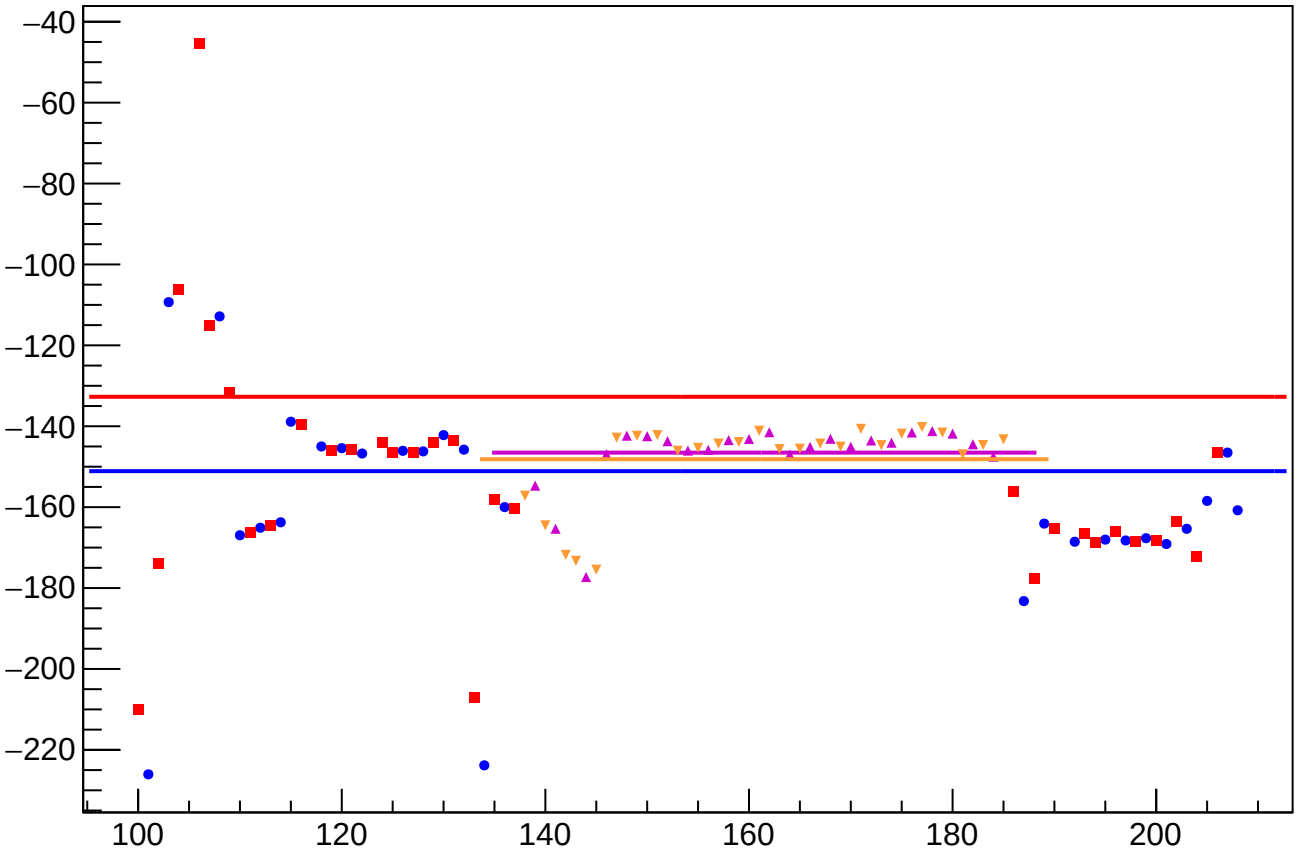
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 55.427+/-1.172 χ^2/NDF: 1232.0/56

In: 73.205+/-0.862 χ^2/NDF:1477.9/49

Out: 70.202+/-0.828 χ^2/NDF:1826.0/54

All: 71.641+/-0.597 χ^2/NDF: 3310.2/104



Right In: -151.101+/-0.082 χ^2/NDF: 146522.7/26

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.718+/-0.076 χ^2/NDF: 348278.8/29

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

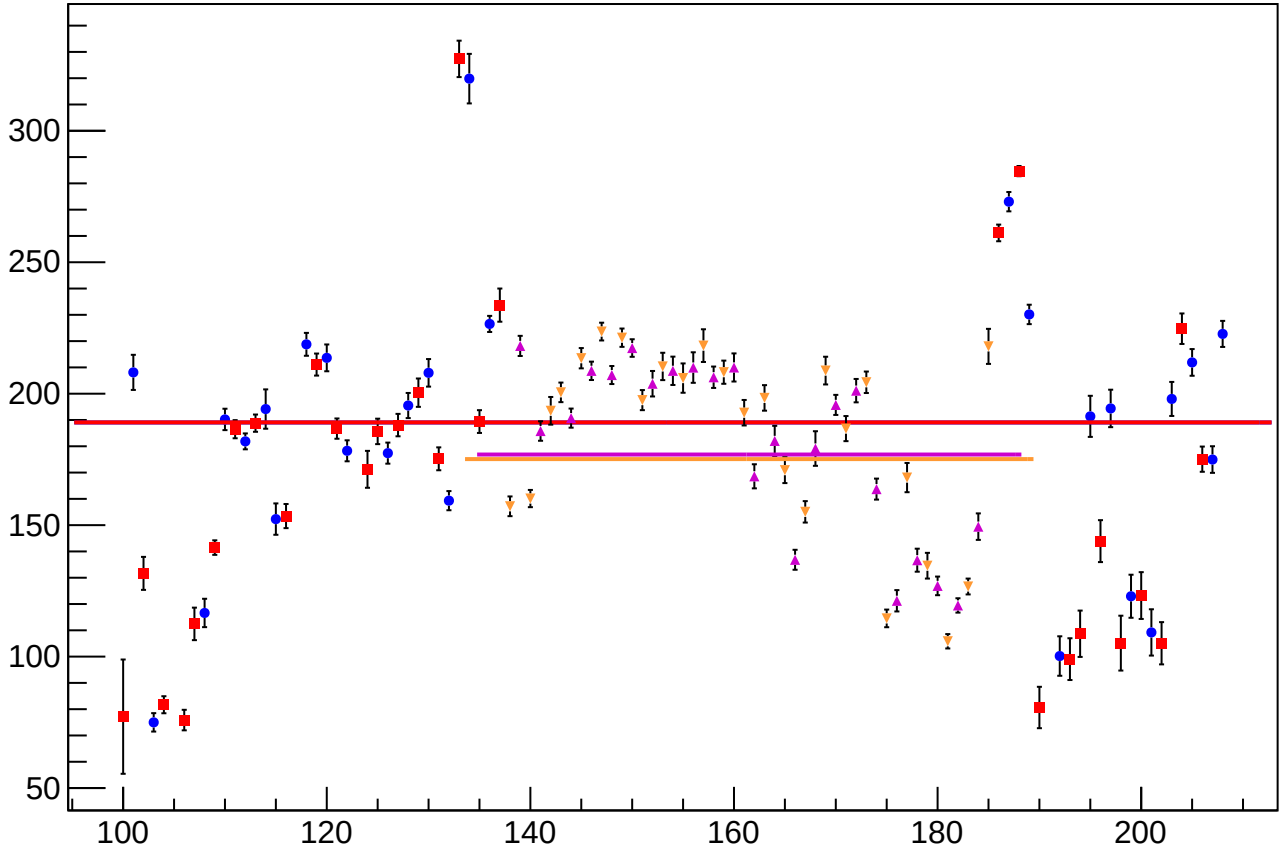
Right: -141.126+/-0.056 χ^2/NDF: 521813.8/56

In: -147.594+/-0.040 χ^2/NDF:178060.3/49

Out: -144.103+/-0.039 χ^2/NDF:427889.4/54

All: -145.798+/-0.028 χ^2/NDF: 609895.5/104

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.049+/-0.907 χ^2/NDF: 2813.3/26

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.085+/-0.807 χ^2/NDF: 6724.8/29

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

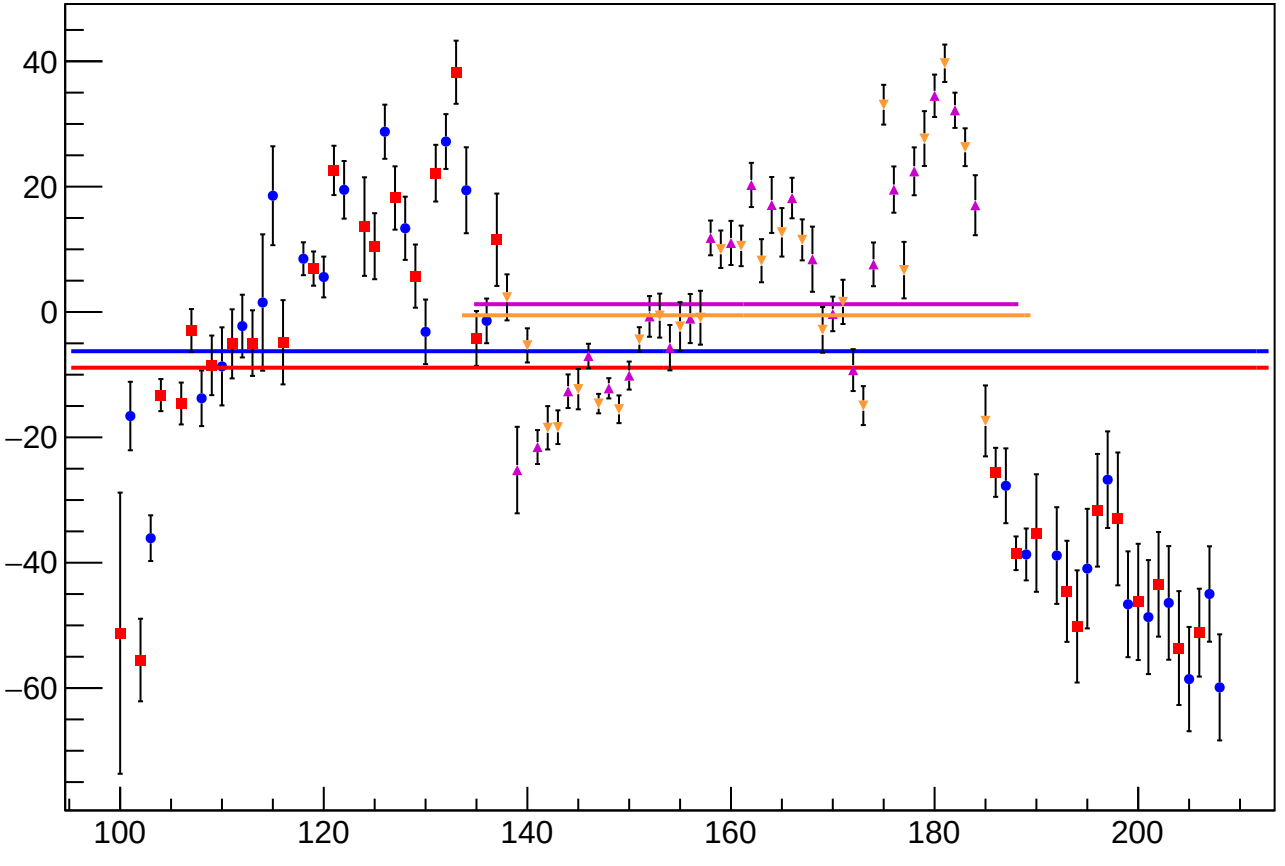
Right: 189.070+/-0.603 χ^2/NDF: 9538.1/56

In: 182.538+/-0.619 χ^2/NDF:4665.8/49

Out: 182.235+/-0.576 χ^2/NDF:9166.9/54

All: 182.376+/-0.422 χ^2/NDF: 13832.8/104

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.257+/-0.983 χ^2/NDF: 598.6/26

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.886+/-0.877 χ^2/NDF: 657.8/29

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

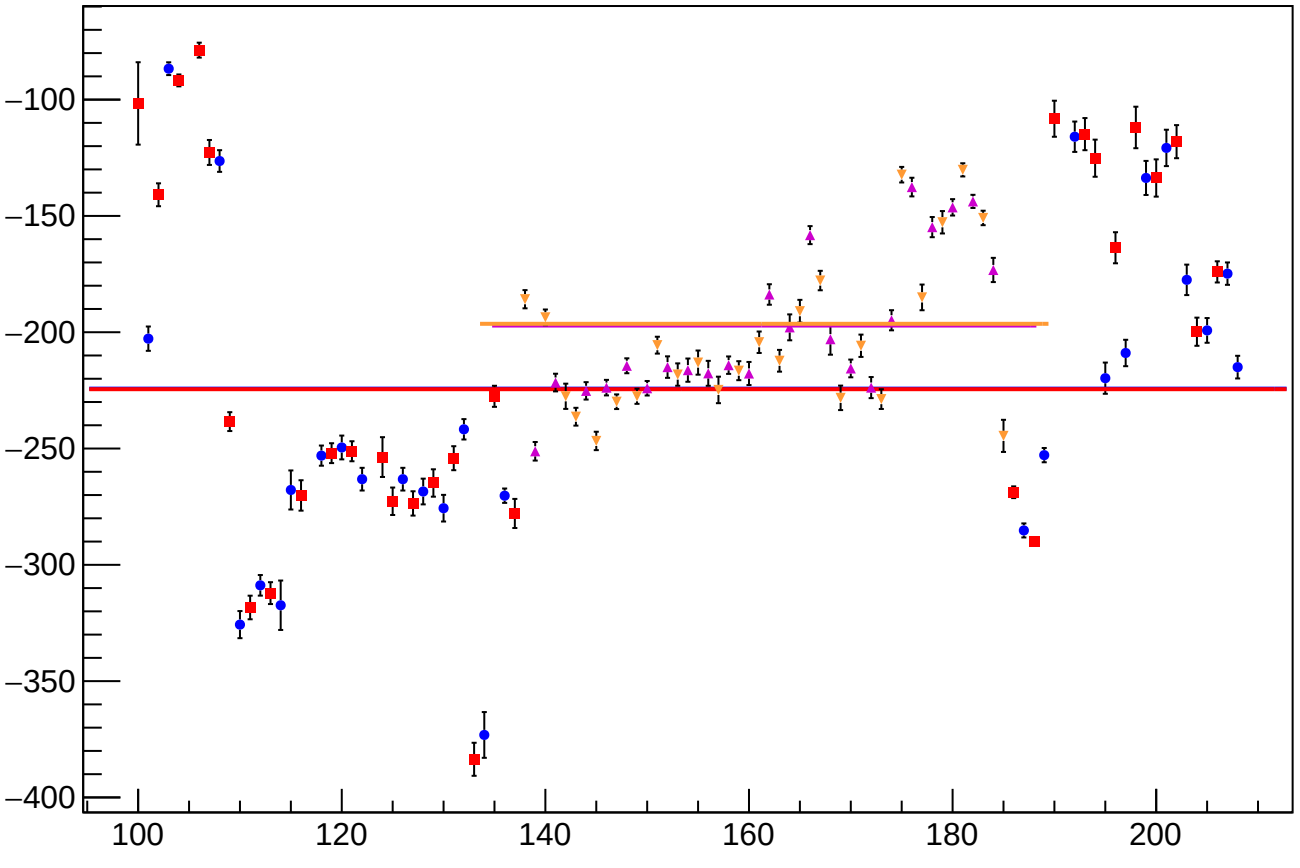
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -7.720+/-0.655 χ^2/NDF: 1260.4/56

In: -0.917+/-0.528 χ^2/NDF:1260.6/49

Out: -3.192+/-0.496 χ^2/NDF:1444.1/54

All: -2.126+/-0.361 χ^2/NDF: 2714.6/104



Right In: -224.254+/-0.915 χ^2/NDF: 5828.9/26

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -224.492+/-0.787 χ^2/NDF: 10552.7/29

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

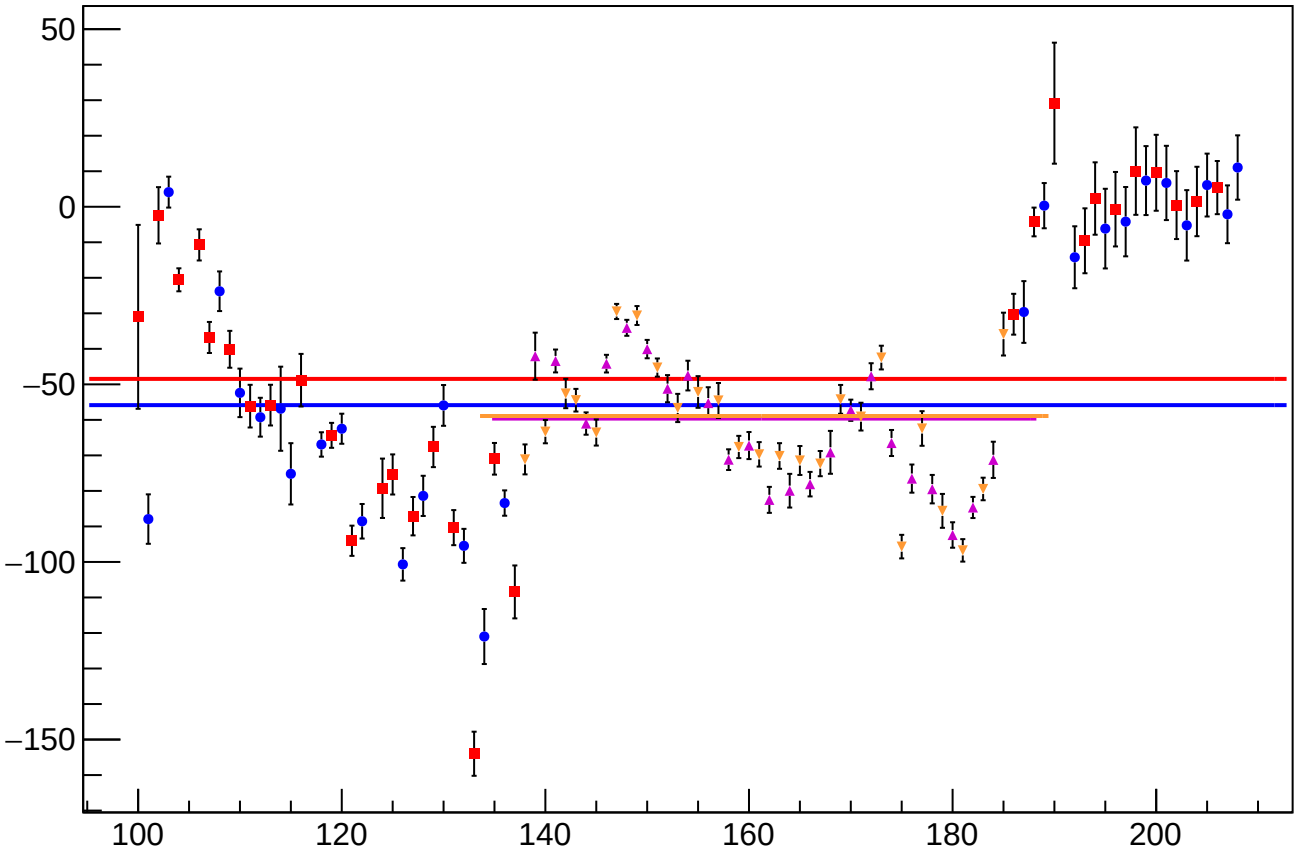
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -224.391+/-0.596 χ^2/NDF: 16381.6/56

In: -209.490+/-0.617 χ^2/NDF:7909.3/49

Out: -210.948+/-0.566 χ^2/NDF:13165.8/54

All: -210.282+/-0.417 χ^2/NDF: 21078.1/104



Right In: -55.850+/-1.153 χ^2/NDF: 1032.1/26

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -48.463+/-1.058 χ^2/NDF: 1250.5/29

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

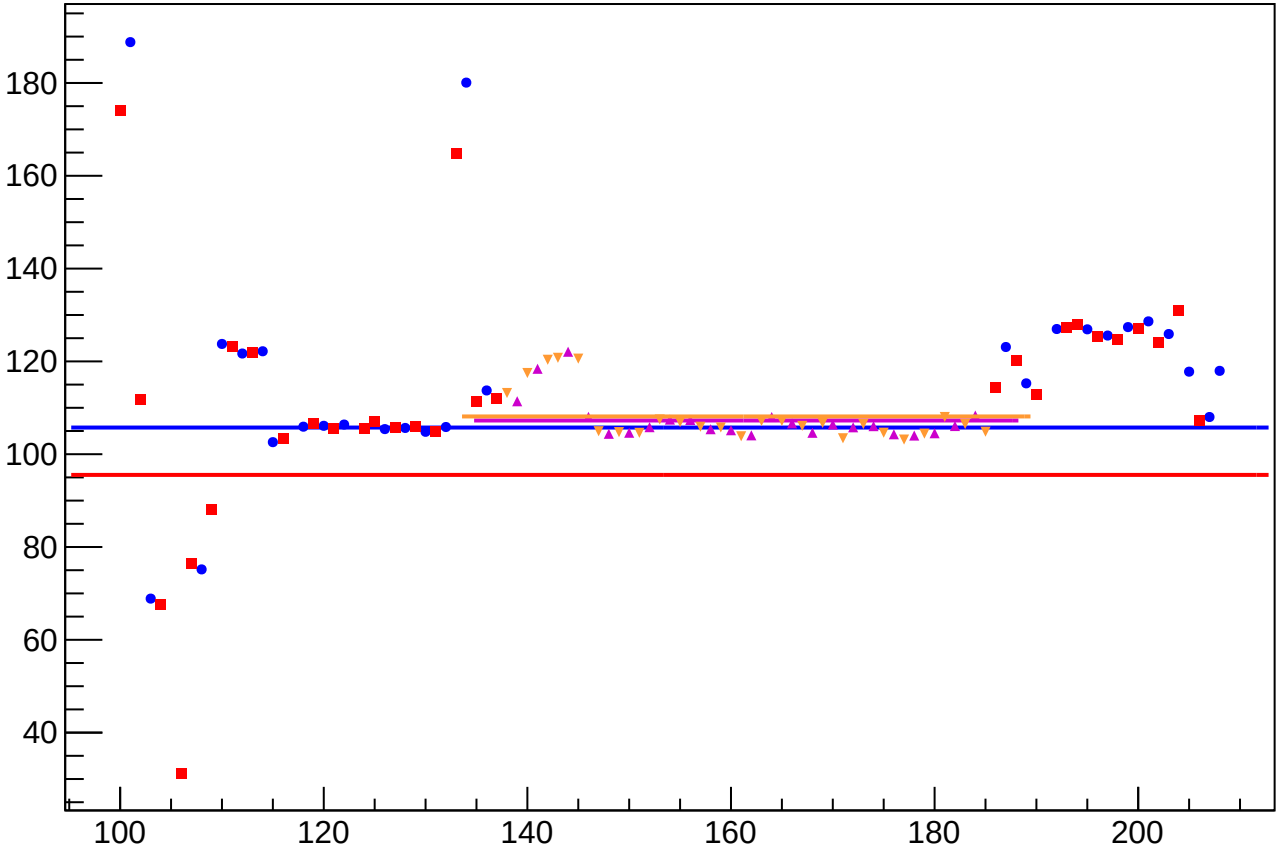
Right: -51.839+/-0.780 χ^2/NDF: 2304.9/56

In: -58.579+/-0.610 χ^2/NDF:1636.9/49

Out: -55.762+/-0.581 χ^2/NDF:2101.1/54

All: -57.102+/-0.421 χ^2/NDF: 3749.2/104

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.745+/-0.055 χ^2/NDF: 273417.4/26

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 95.538+/-0.051 χ^2/NDF: 387074.8/29

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

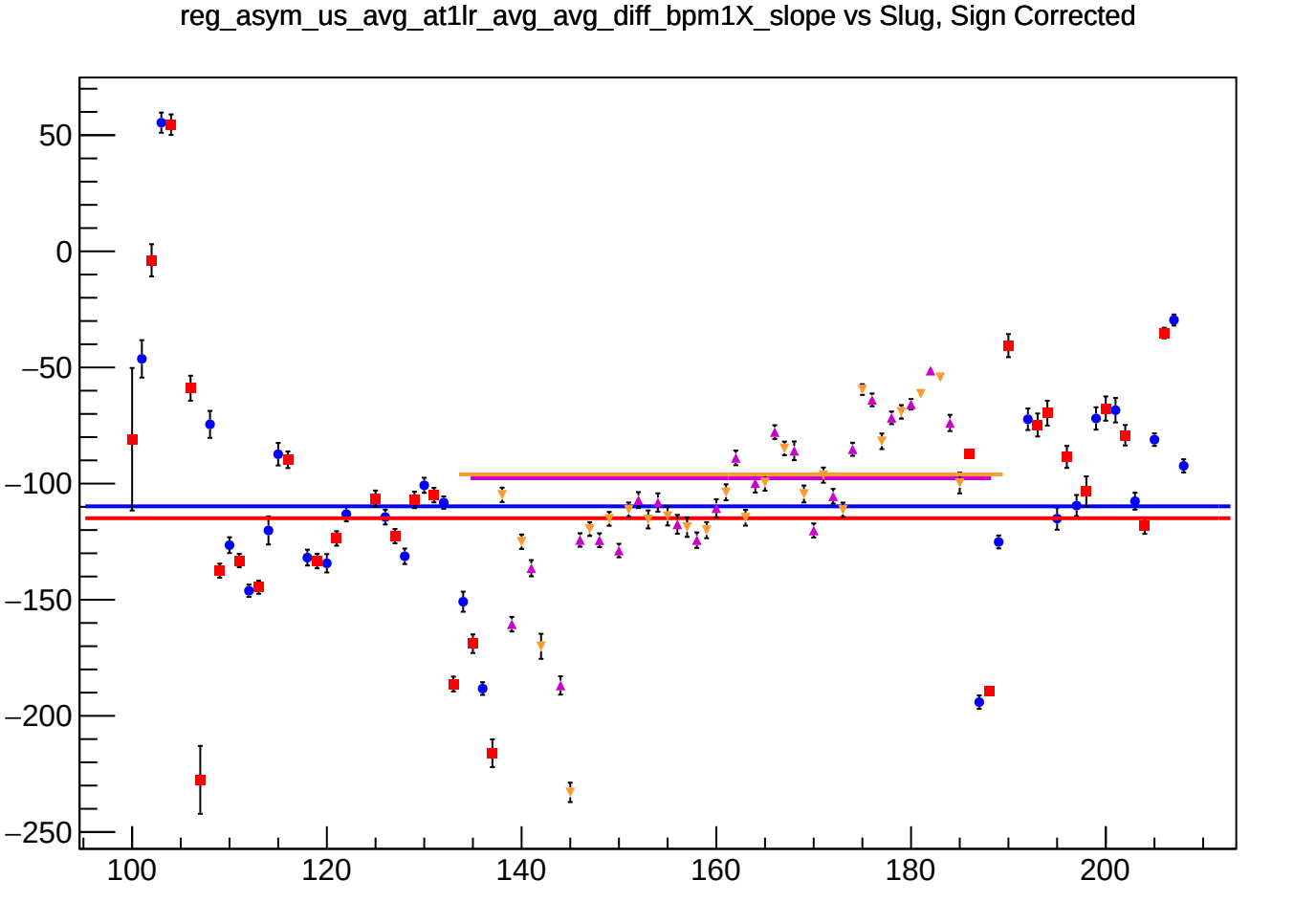
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 100.260+/-0.037 χ^2/NDF: 679019.0/56

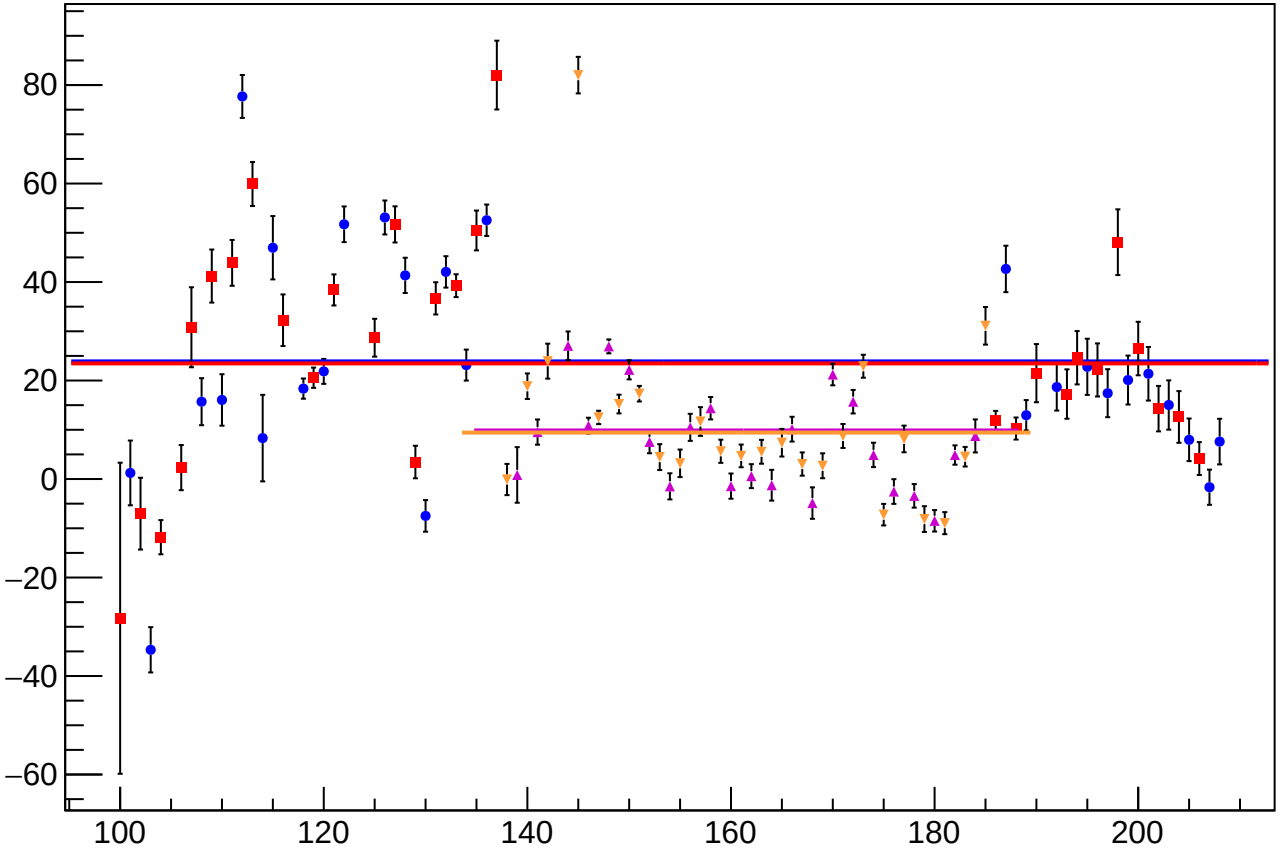
In: 106.866+/-0.028 χ^2/NDF:290860.6/49

Out: 104.505+/-0.027 χ^2/NDF:456920.3/54

All: 105.651+/-0.020 χ^2/NDF: 751390.0/104


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -109.780+/-0.668 χ²/NDF: 5186.1/26
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -114.900+/-0.620 χ²/NDF: 7311.5/28
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -112.530+/-0.454 χ²/NDF: 12529.1/55
In: -103.475+/-0.462 χ²/NDF:7997.4/49
Out: -105.686+/-0.444 χ²/NDF:10534.7/52
All: -104.625+/-0.320 χ²/NDF: 18544.1/102

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 23.884+/-0.740 χ^2/NDF: 832.4/26

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.479+/-0.695 χ^2/NDF: 669.3/28

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

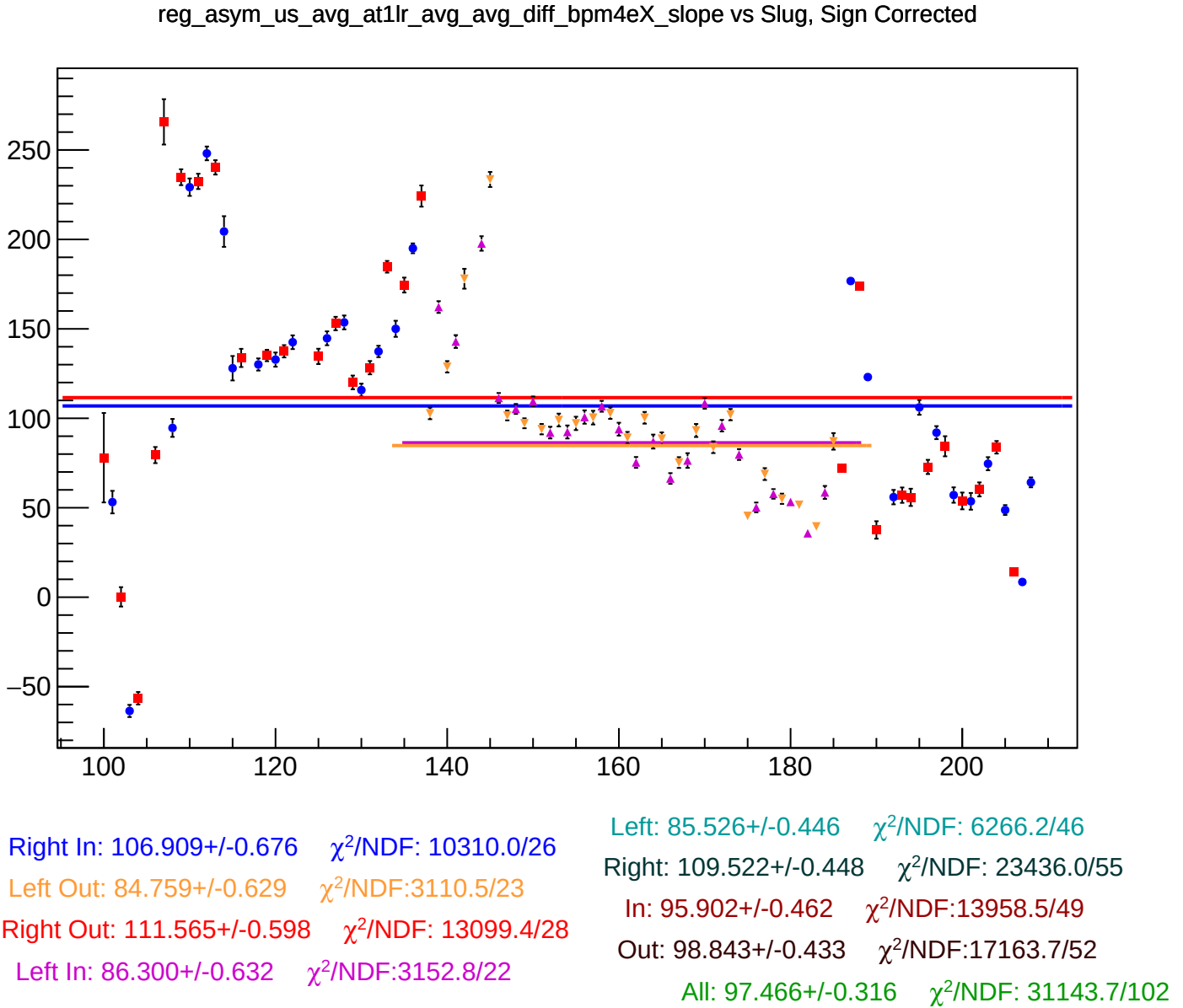
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.669+/-0.506 χ^2/NDF: 1501.8/55

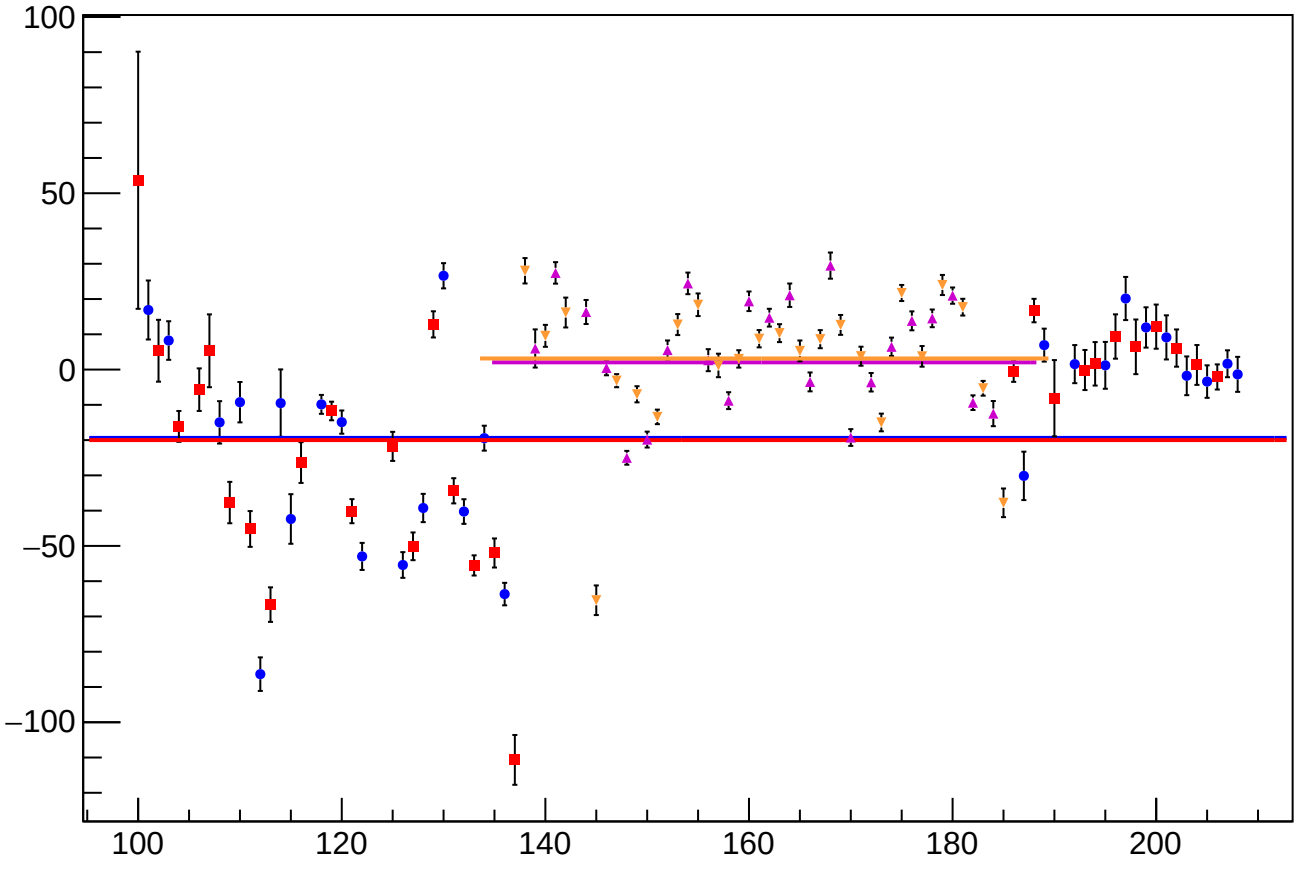
In: 14.099+/-0.407 χ^2/NDF:1568.5/49

Out: 13.947+/-0.394 χ^2/NDF:1682.8/52

All: 14.021+/-0.283 χ^2/NDF: 3251.3/102


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: 106.909+/-0.676 χ²/NDF: 10310.0/26
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 111.565+/-0.598 χ²/NDF: 13099.4/28
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
Left: 85.526+/-0.446 χ²/NDF: 6266.2/46
Right: 109.522+/-0.448 χ²/NDF: 23436.0/55
In: 95.902+/-0.462 χ²/NDF:13958.5/49
Out: 98.843+/-0.433 χ²/NDF:17163.7/52
All: 97.466+/-0.316 χ²/NDF: 31143.7/102

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -19.377+/-0.860 χ^2/NDF: 1082.5/26

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -19.992+/-0.836 χ^2/NDF: 1042.2/28

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

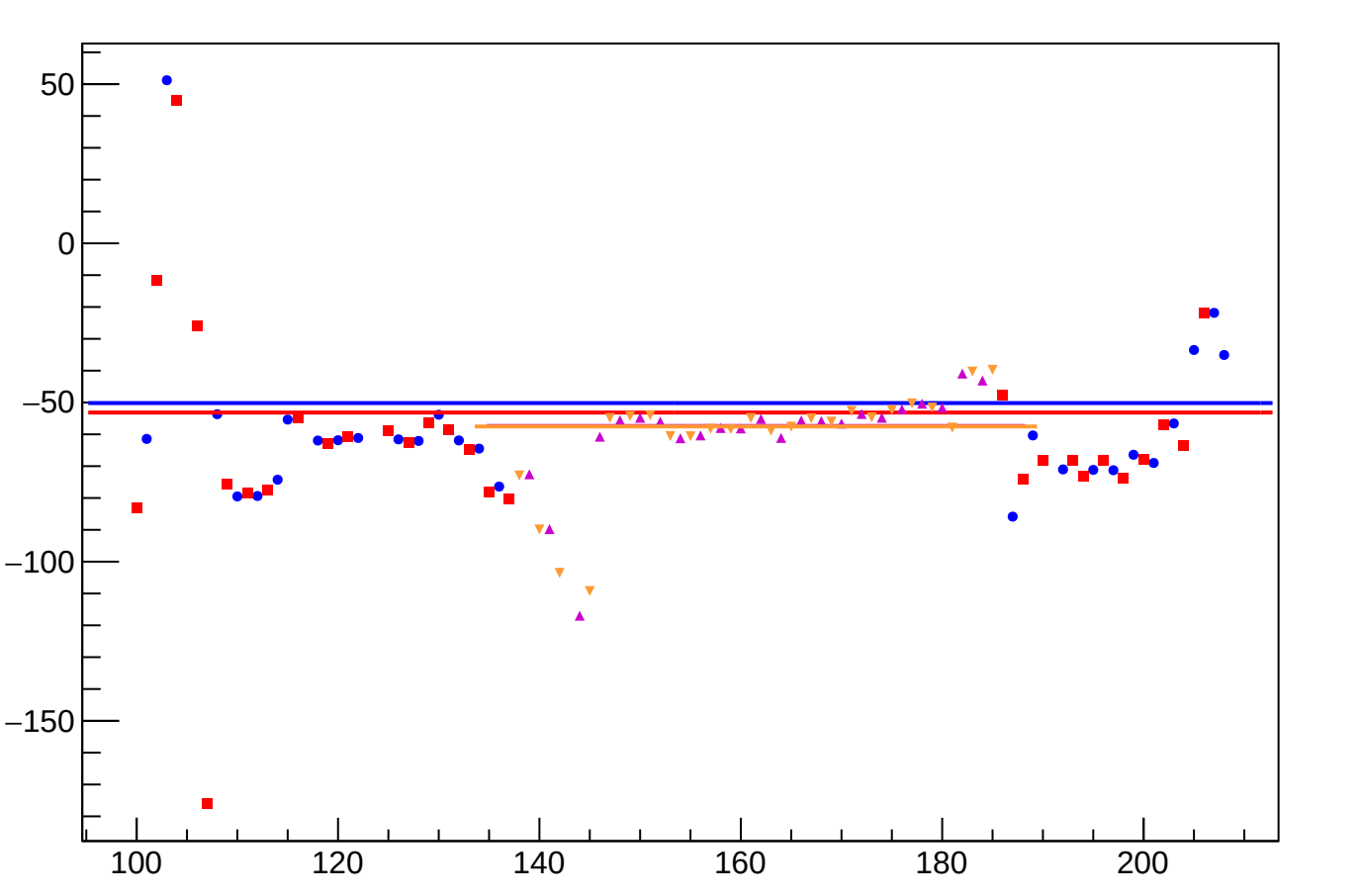
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -19.693+/-0.599 χ^2/NDF: 2125.0/55

In: -4.191+/-0.464 χ^2/NDF:2373.8/49

Out: -3.723+/-0.456 χ^2/NDF:2394.2/52

All: -3.953+/-0.325 χ^2/NDF: 4768.5/102



Right In: -50.177+/-0.041 χ^2/NDF: 703456.1/26

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.160+/-0.042 χ^2/NDF: 619637.6/28

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

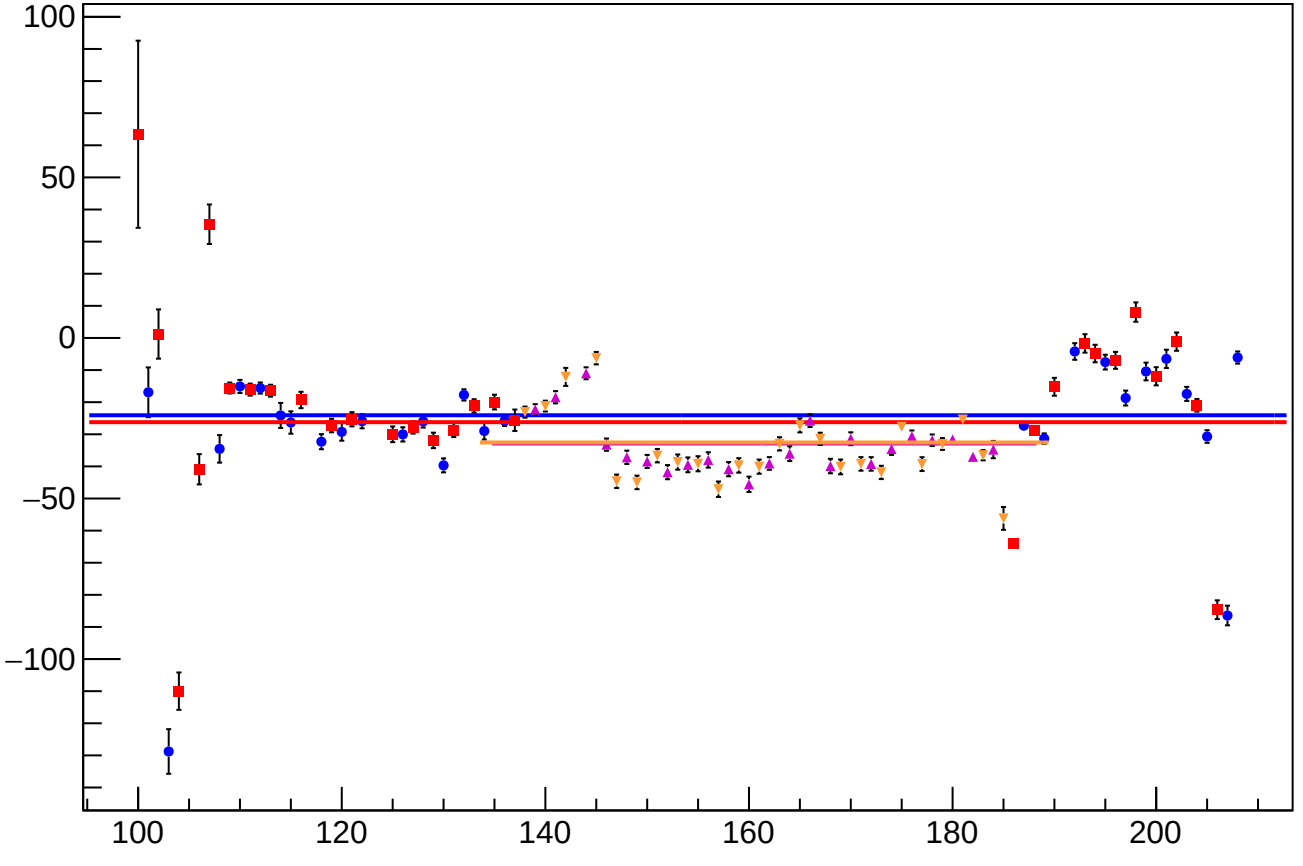
Right: -51.658+/-0.029 χ^2/NDF: 1325677.1/55

In: -55.478+/-0.021 χ^2/NDF:952898.9/49

Out: -56.390+/-0.021 χ^2/NDF:894809.0/52

All: -55.933+/-0.015 χ^2/NDF: 1848627.2/102

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.076+/-0.432 χ^2/NDF: 1099.9/26

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -26.230+/-0.405 χ^2/NDF: 2027.3/28

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

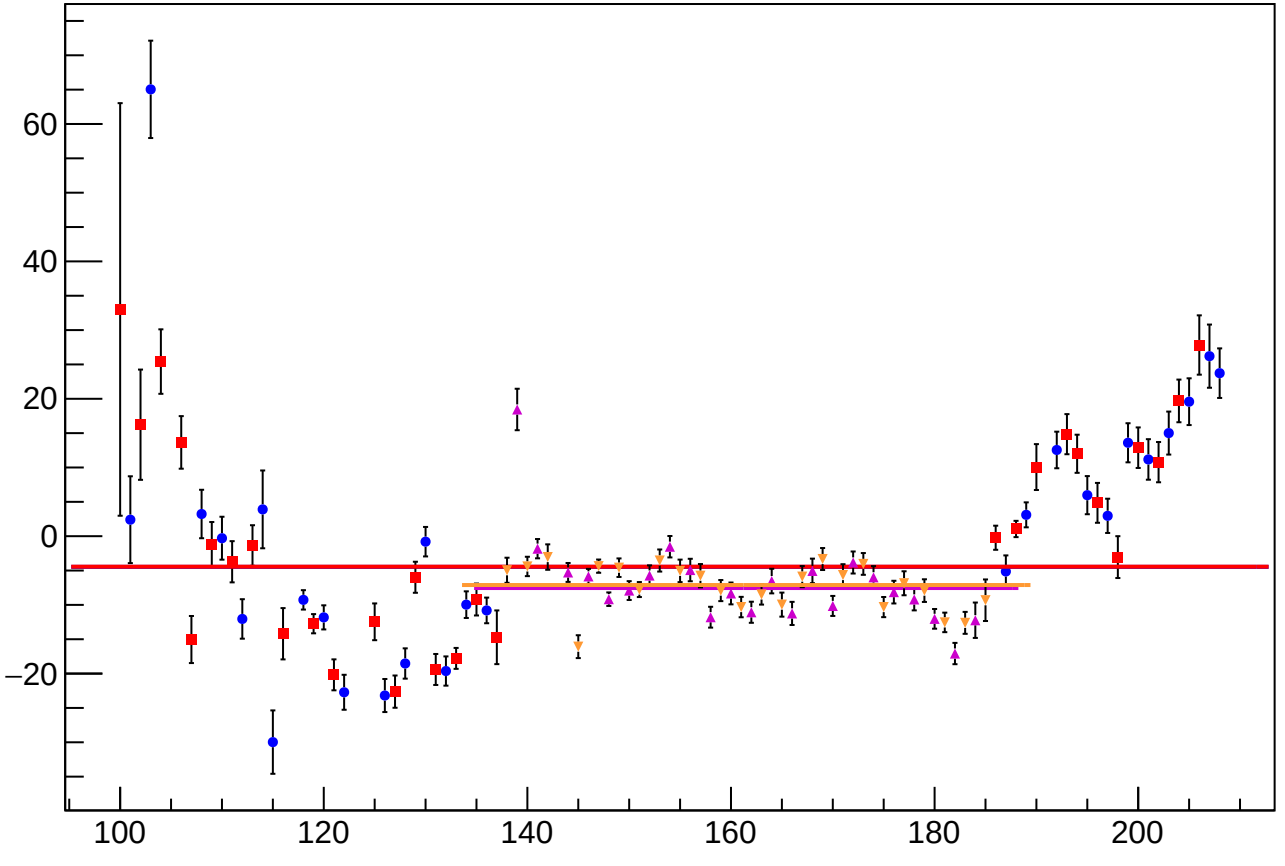
Right: -25.223+/-0.295 χ^2/NDF: 3140.4/55

In: -28.684+/-0.298 χ^2/NDF:1690.4/49

Out: -29.375+/-0.287 χ^2/NDF:2752.2/52

All: -29.042+/-0.207 χ^2/NDF: 4445.5/102

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.467+/-0.485 χ^2/NDF: 742.7/26

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -4.440+/-0.461 χ^2/NDF: 688.0/28

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

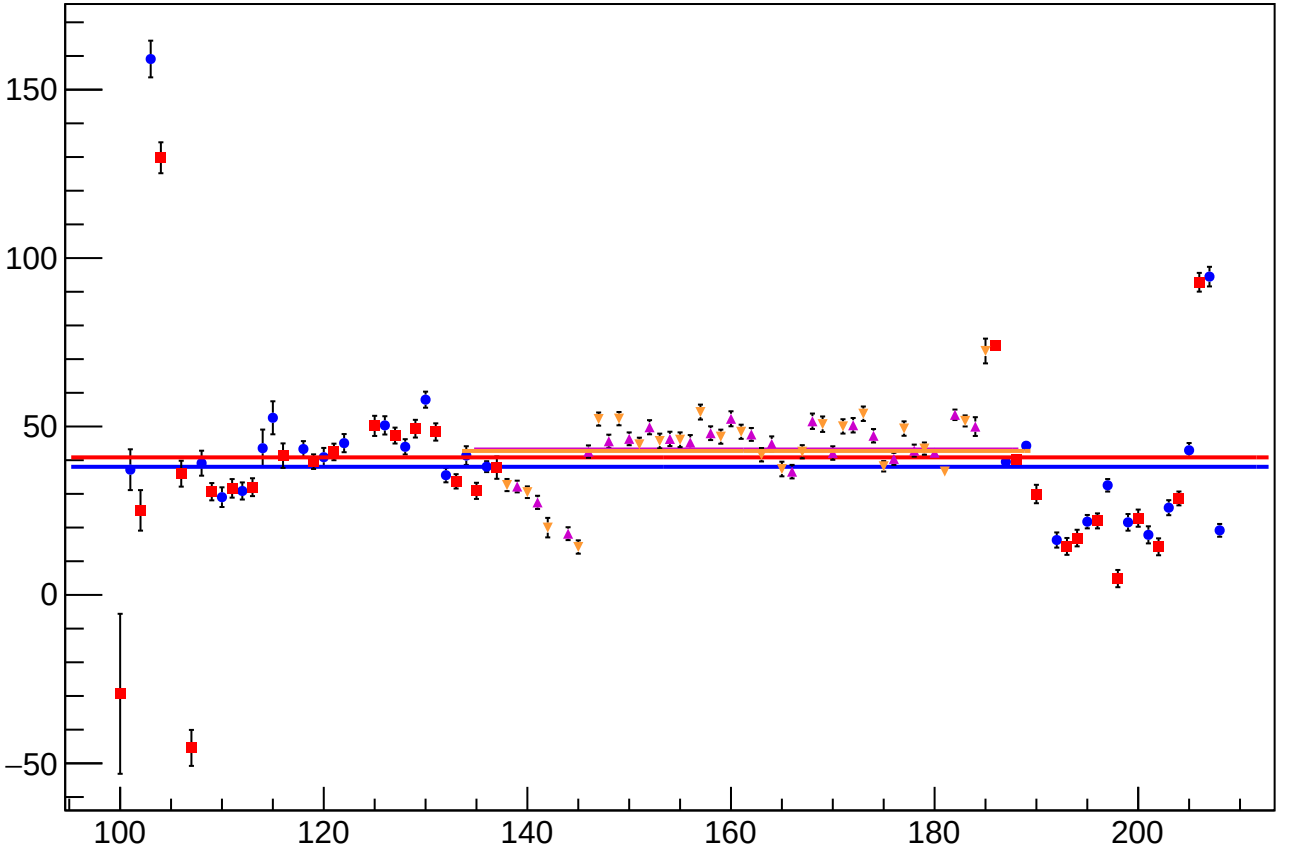
Right: -4.453+/-0.334 χ^2/NDF: 1430.7/55

In: -6.633+/-0.264 χ^2/NDF:970.7/49

Out: -6.282+/-0.257 χ^2/NDF:820.6/52

All: -6.452+/-0.184 χ^2/NDF: 1792.3/102

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 38.034+/-0.434 χ^2/NDF: 1444.0/26

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 40.838+/-0.390 χ^2/NDF: 2663.2/28

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

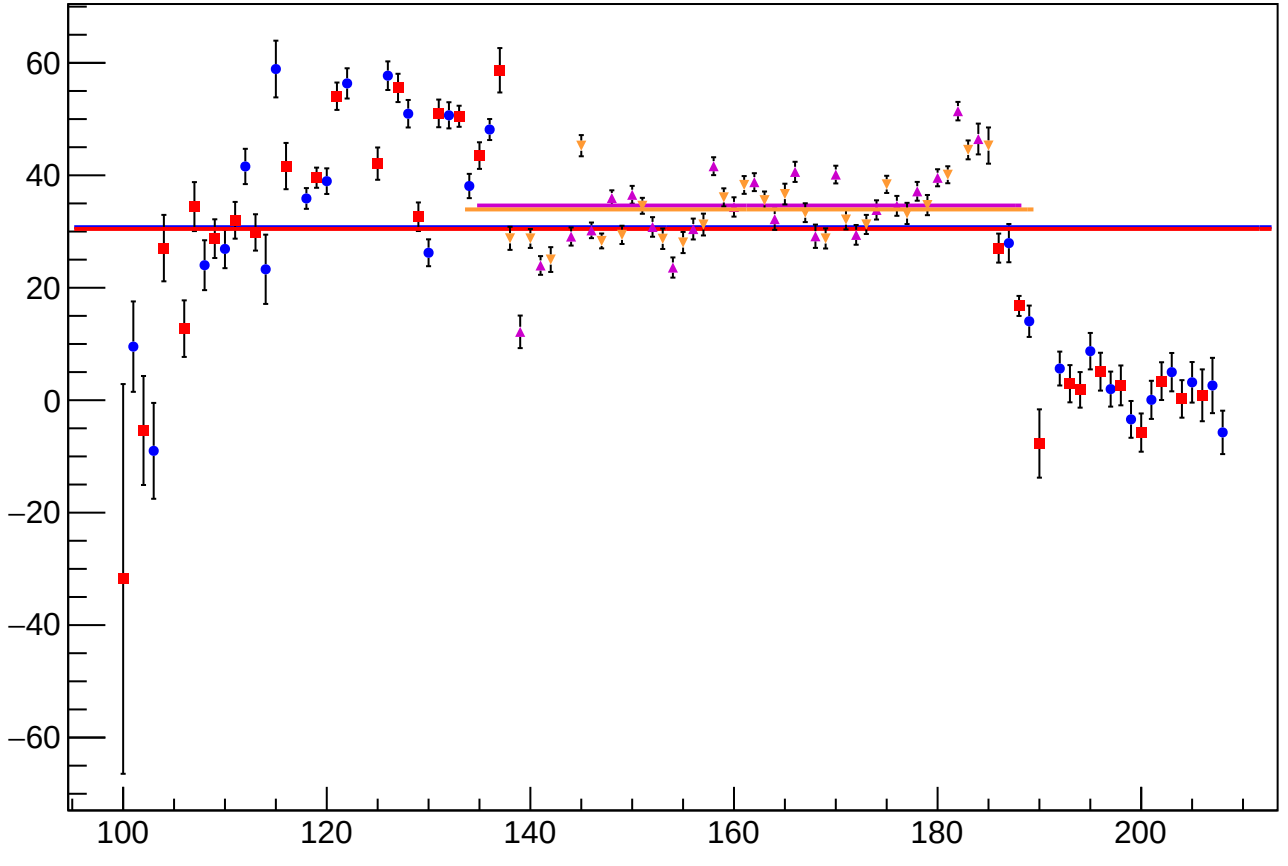
Right: 39.583+/-0.290 χ^2/NDF: 4130.3/55

In: 40.764+/-0.297 χ^2/NDF:1931.5/49

Out: 41.760+/-0.280 χ^2/NDF:3306.3/52

All: 41.290+/-0.204 χ^2/NDF: 5243.7/102

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 30.768+/-0.567 χ^2/NDF: 1209.7/26

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 30.466+/-0.556 χ^2/NDF: 1211.9/28

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

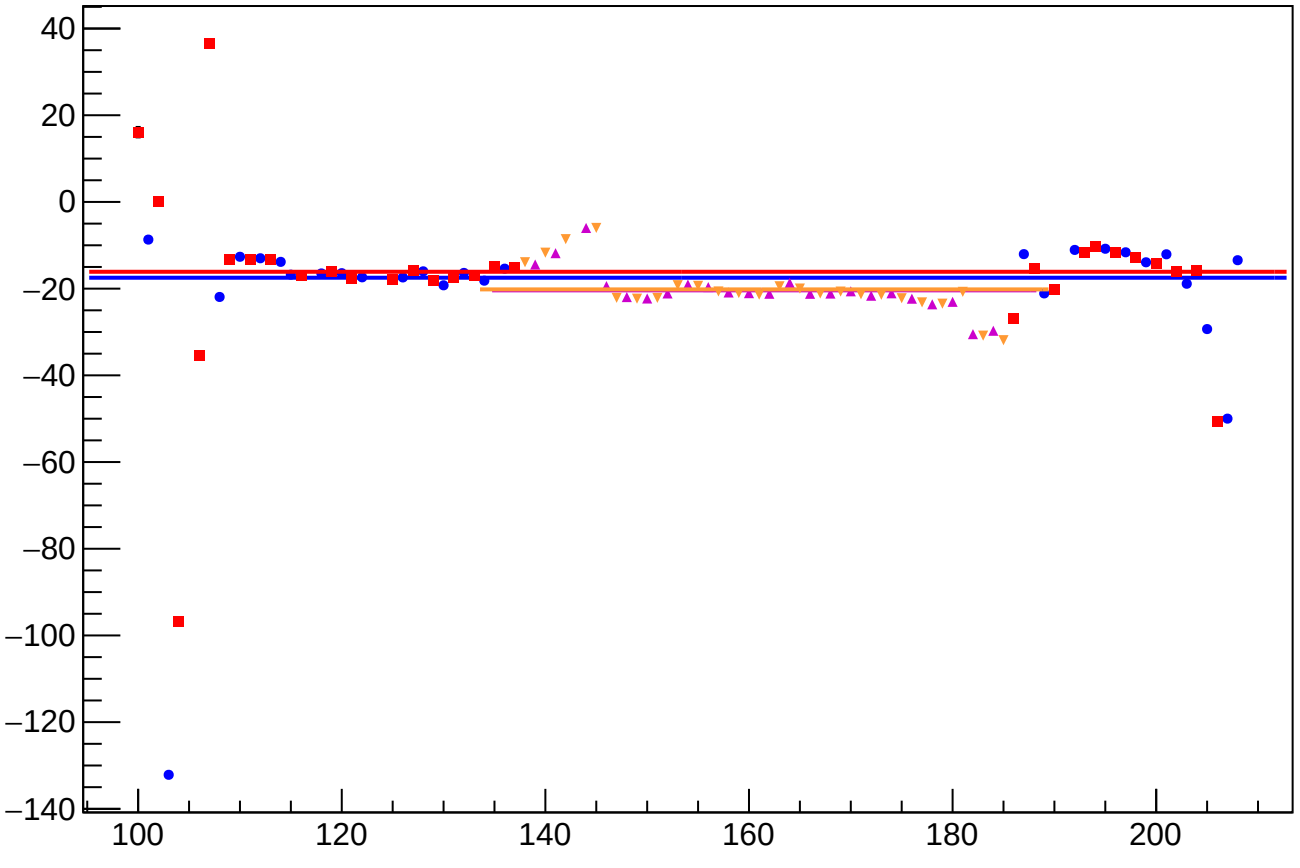
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

Right: 30.614+/-0.397 χ^2/NDF: 2421.7/55

In: 33.531+/-0.302 χ^2/NDF:1618.9/49

Out: 32.944+/-0.297 χ^2/NDF:1456.2/52

All: 33.233+/-0.211 χ^2/NDF: 3077.0/102



Right In: -17.482+/-0.027 χ^2/NDF: 304339.7/26

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -16.109+/-0.027 χ^2/NDF: 256756.7/28

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

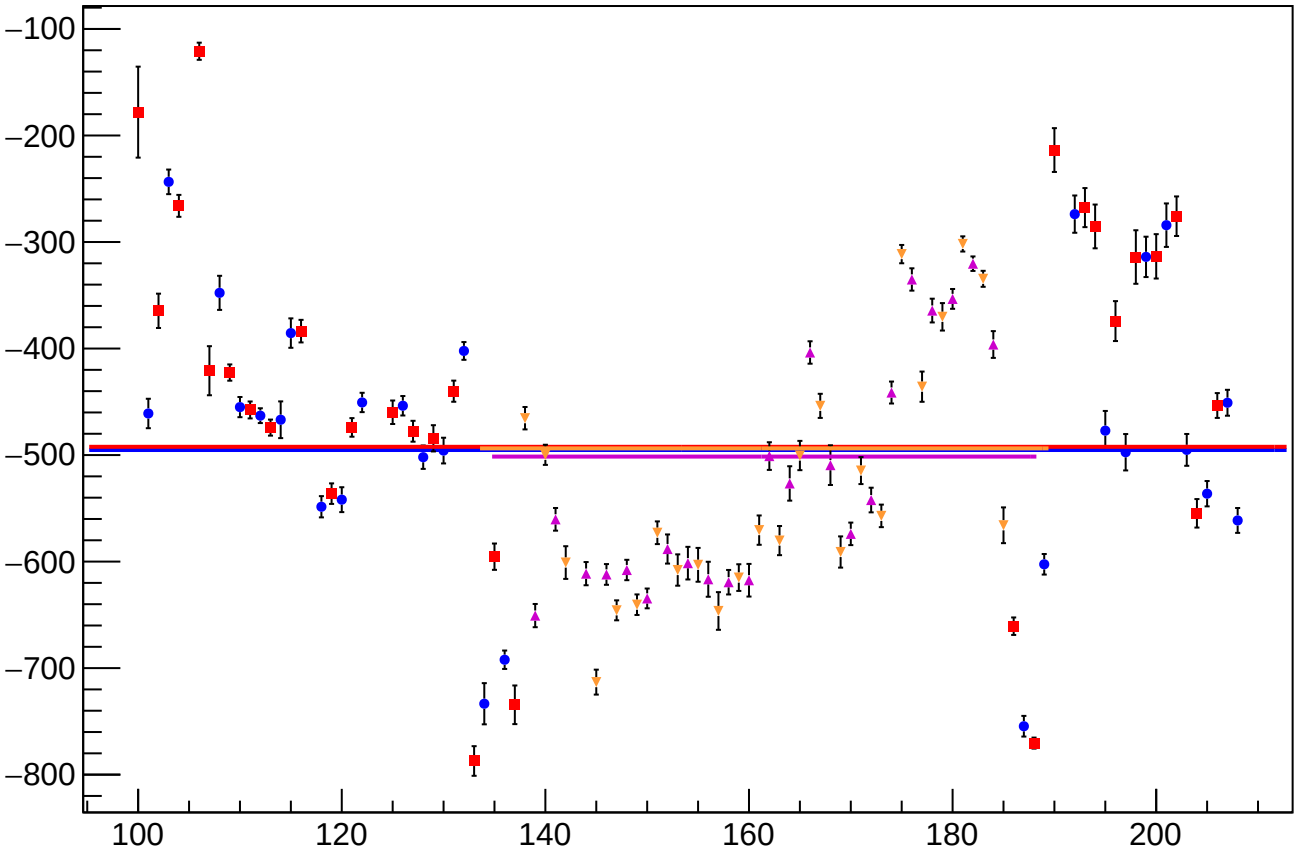
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -16.788+/-0.019 χ^2/NDF: 562369.0/55

In: -19.669+/-0.014 χ^2/NDF:394000.1/49

Out: -19.144+/-0.014 χ^2/NDF:373529.5/52

All: -19.406+/-0.010 χ^2/NDF: 768268.6/102



Right In: -495.255+/-2.203 χ^2/NDF: 2811.5/26

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -492.250+/-2.011 χ^2/NDF: 7802.5/28

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

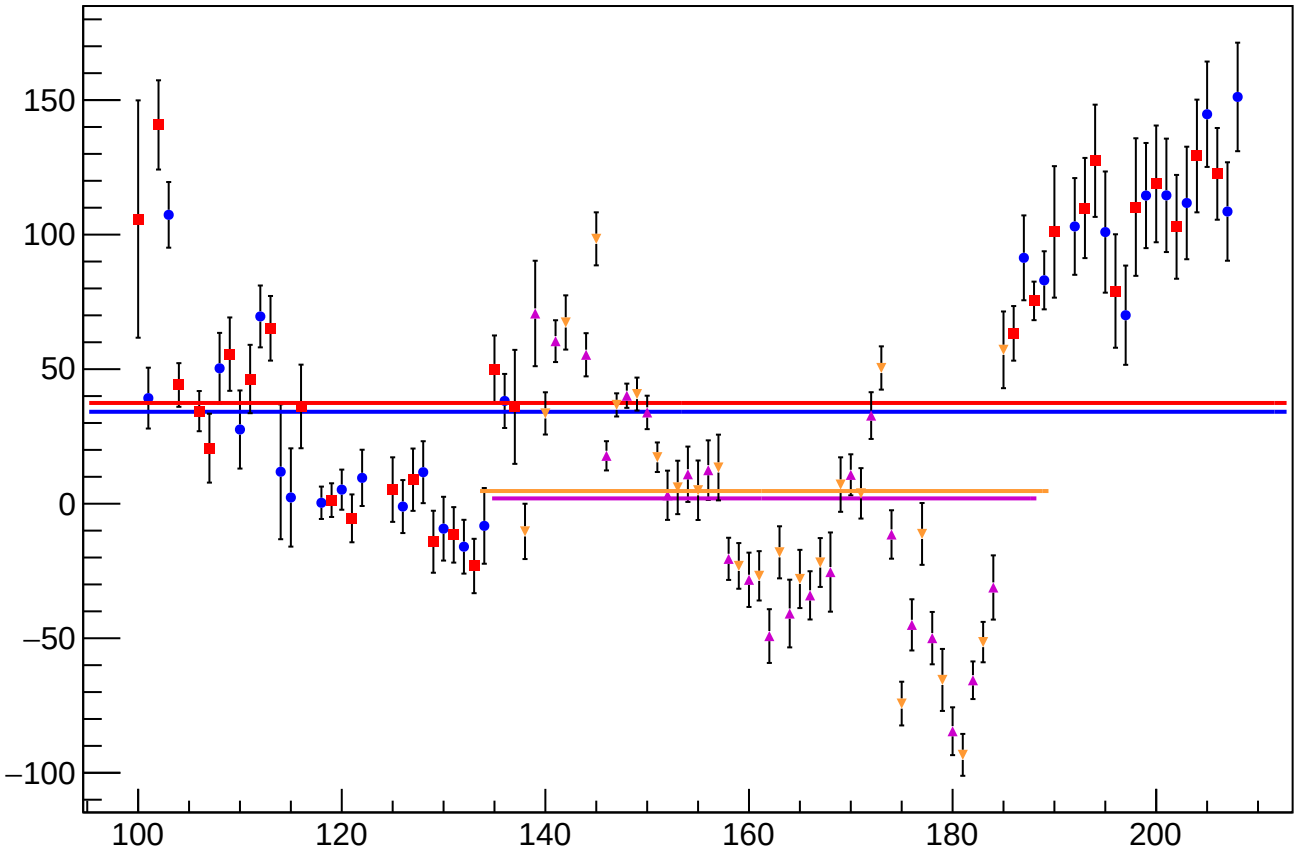
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -493.616+/-1.485 χ^2/NDF: 10615.1/55

In: -498.199+/-1.593 χ^2/NDF:5504.6/49

Out: -492.889+/-1.512 χ^2/NDF:10952.8/52

All: -495.406+/-1.097 χ^2/NDF: 16463.2/102



Right In: 34.164+/-2.372 χ^2/NDF: 356.1/26

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 37.439+/-2.212 χ^2/NDF: 357.7/28

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

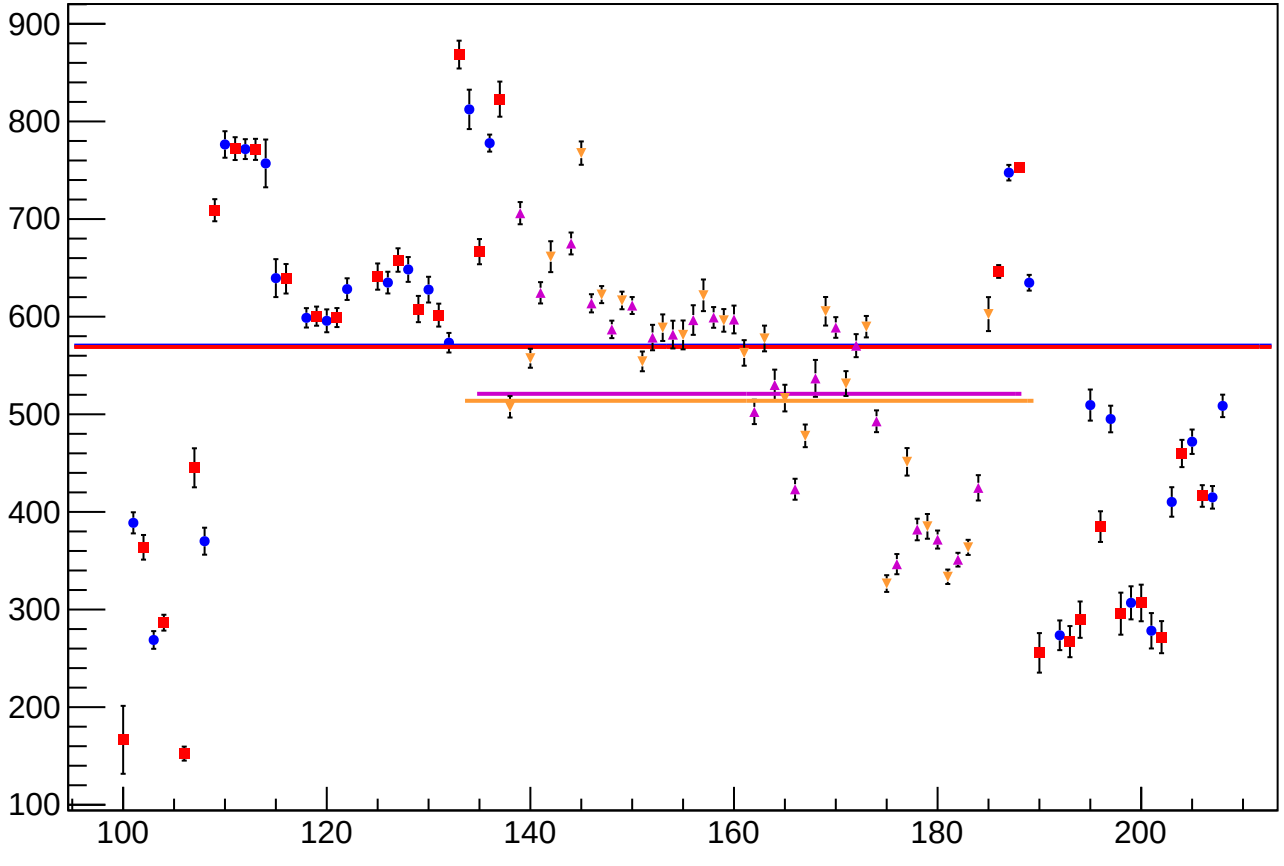
Right: 35.916+/-1.618 χ^2/NDF: 714.9/55

In: 13.082+/-1.393 χ^2/NDF:1037.6/49

Out: 16.824+/-1.346 χ^2/NDF:1175.9/52

All: 15.018+/-0.968 χ^2/NDF: 2217.3/102

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 570.359+/-2.273 χ^2/NDF: 5000.8/26

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 568.991+/-2.002 χ^2/NDF: 10666.9/28

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

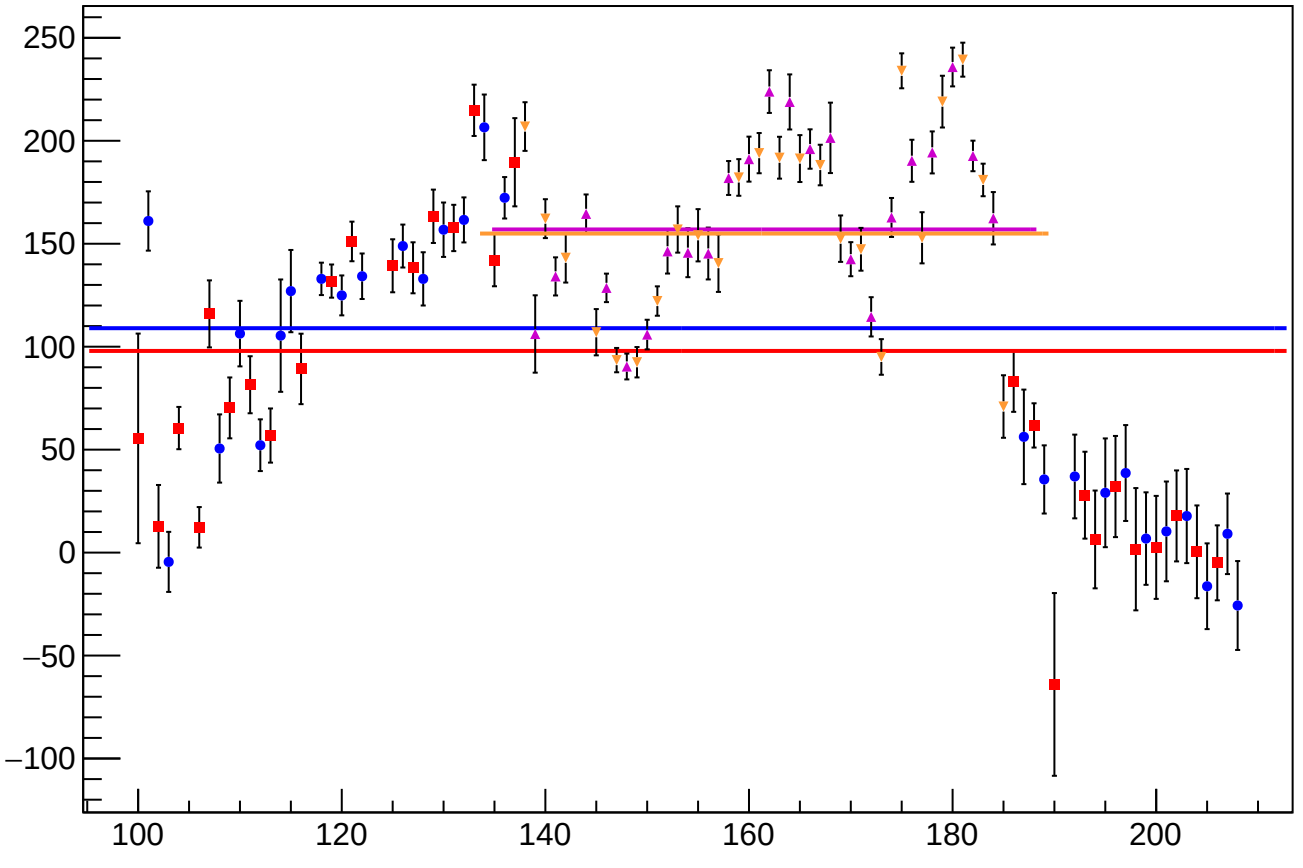
Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

Right: 569.589+/-1.502 χ^2/NDF: 15667.9/55

In: 545.788+/-1.611 χ^2/NDF:7678.4/49

Out: 544.936+/-1.504 χ^2/NDF:13733.3/52

All: 545.333+/-1.099 χ^2/NDF: 21411.9/102



Right In: 108.983+/-2.781 χ^2/NDF: 466.2/26

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 97.939+/-2.654 χ^2/NDF: 512.8/28

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

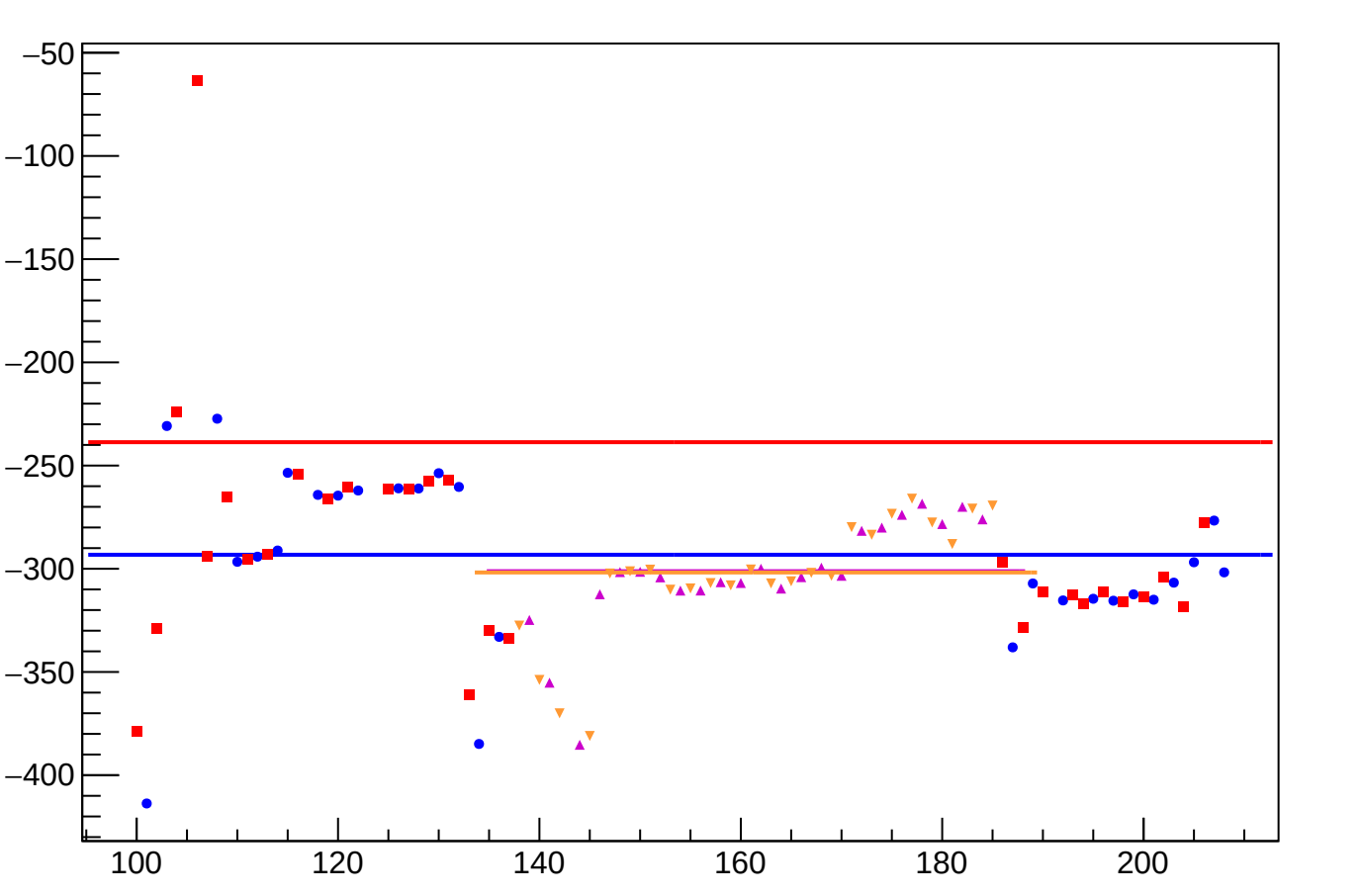
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 103.202+/-1.920 χ^2/NDF: 987.3/55

In: 140.902+/-1.608 χ^2/NDF:1107.2/49

Out: 134.915+/-1.573 χ^2/NDF:1421.1/52

All: 137.842+/-1.125 χ^2/NDF: 2535.4/102



Right In: -293.209+/-0.142 χ^2/NDF: 113611.6/26

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -238.676+/-0.124 χ^2/NDF: 682996.6/28

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

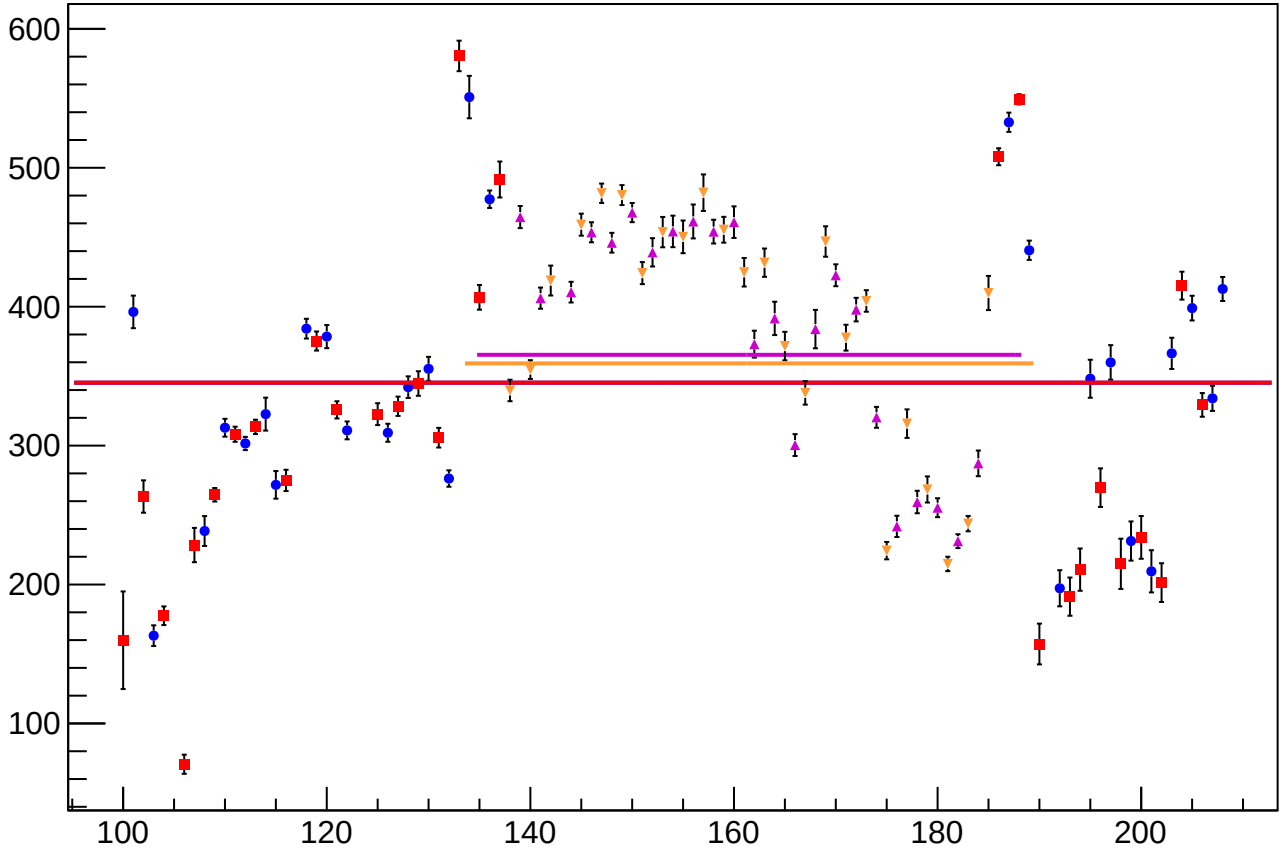
Right: -262.412+/-0.094 χ^2/NDF: 880117.3/55

In: -298.888+/-0.076 χ^2/NDF:191186.2/49

Out: -279.875+/-0.073 χ^2/NDF:937463.1/52

All: -289.045+/-0.053 χ^2/NDF: 1161047.2/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 345.296+/-1.572 χ^2/NDF: 3046.4/26

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 345.327+/-1.429 χ^2/NDF: 8029.6/28

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

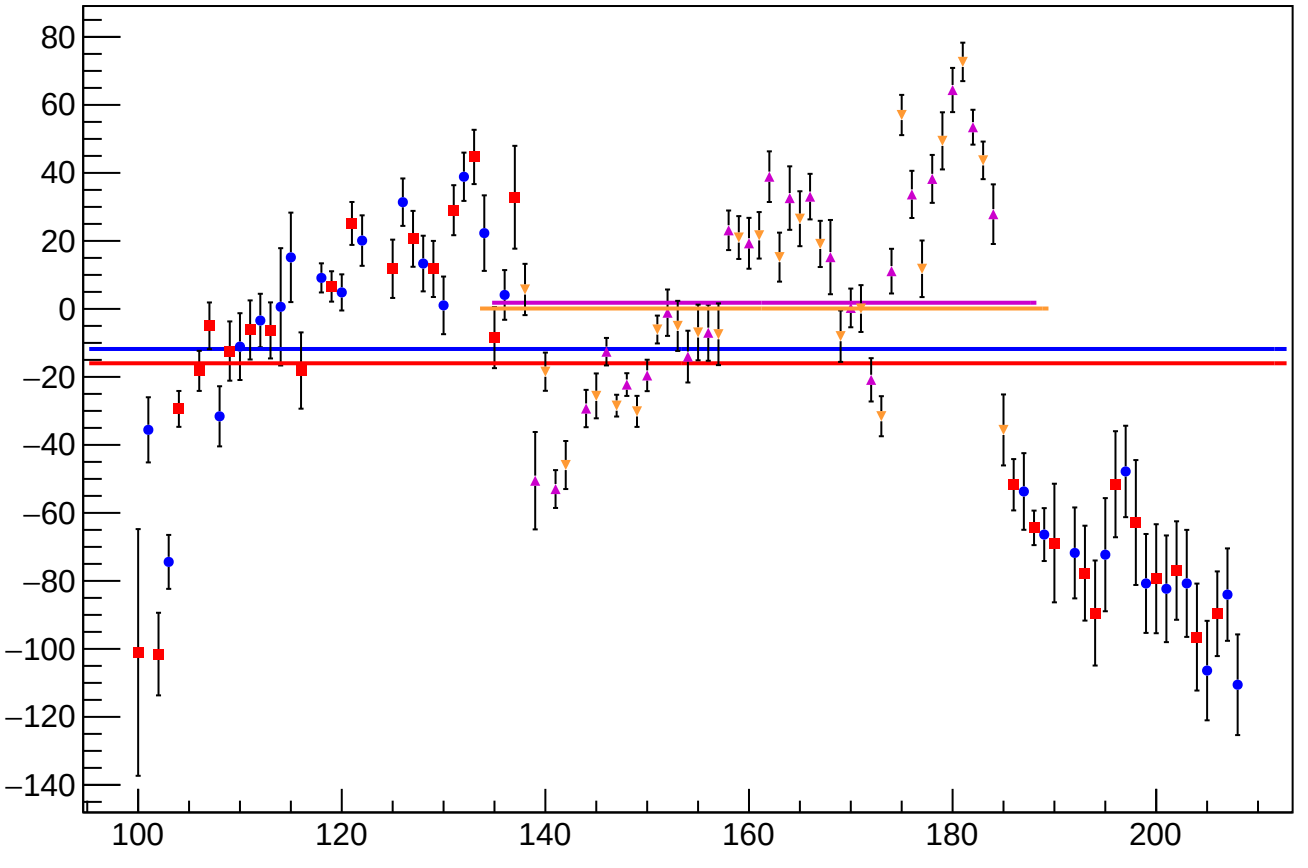
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 345.313+/-1.057 χ^2/NDF: 11076.0/55

In: 354.588+/-1.152 χ^2/NDF:5861.3/49

Out: 351.140+/-1.089 χ^2/NDF:11257.0/52

All: 352.767+/-0.791 χ^2/NDF: 17123.1/102



Right In: -11.789+/-1.700 χ^2/NDF: 526.4/26

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -15.992+/-1.568 χ^2/NDF: 554.2/28

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

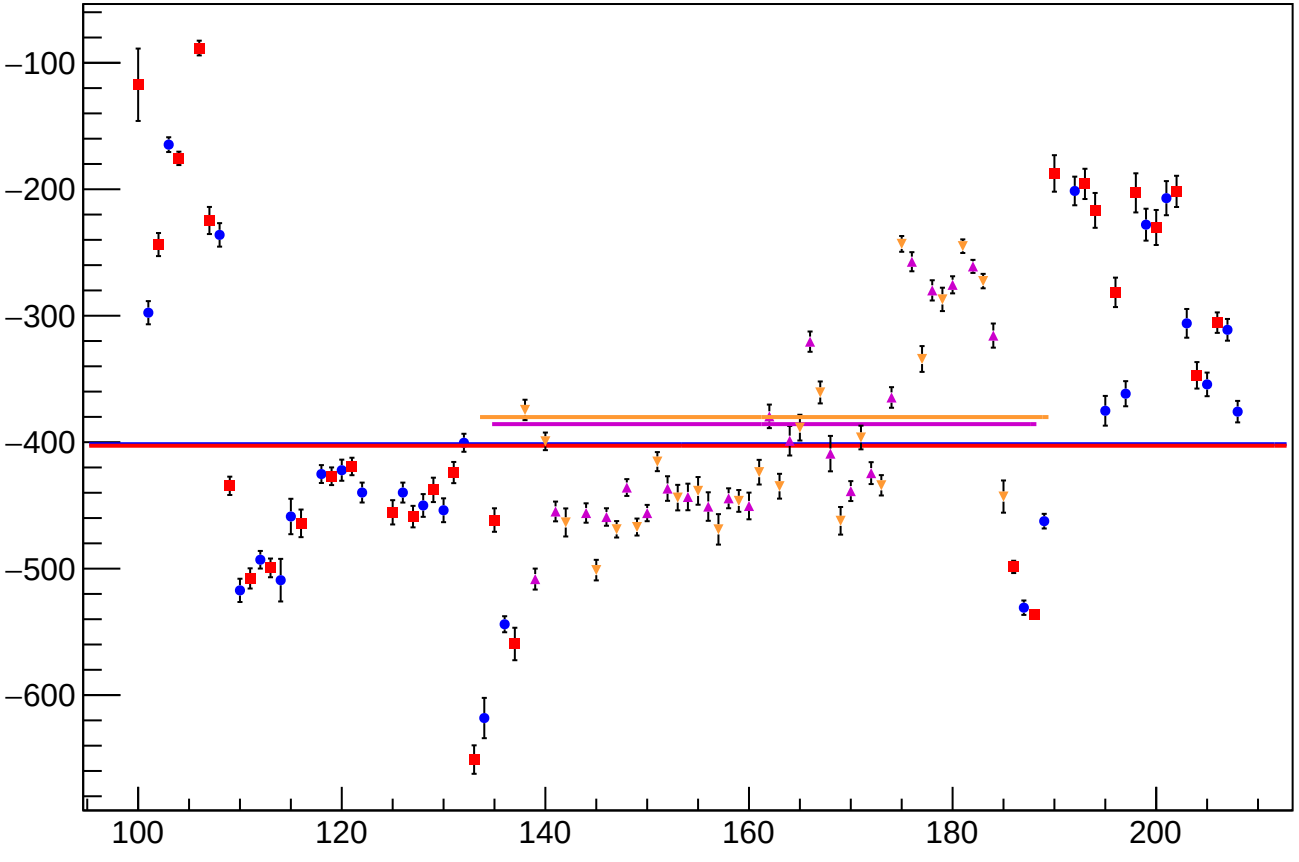
Right: -14.061+/-1.153 χ^2/NDF: 1083.9/55

In: -3.043+/-1.016 χ^2/NDF:1144.6/49

Out: -6.127+/-0.976 χ^2/NDF:1256.8/52

All: -4.647+/-0.704 χ^2/NDF: 2406.2/102

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -401.602+/-1.629 χ^2/NDF: 4861.7/26

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -402.800+/-1.431 χ^2/NDF: 10653.9/28

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

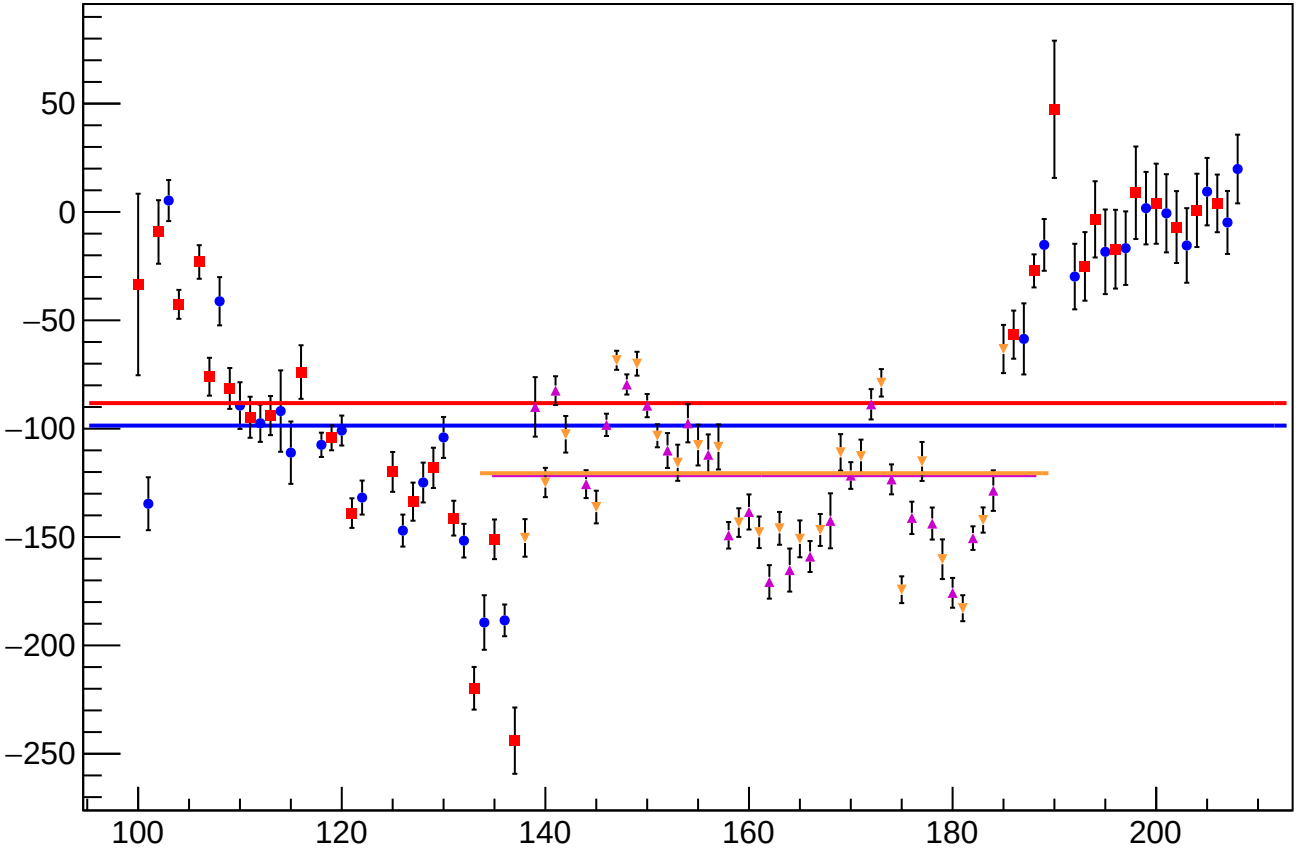
Right: -402.278+/-1.075 χ^2/NDF: 15515.9/55

In: -393.891+/-1.169 χ^2/NDF:7269.0/49

Out: -393.207+/-1.086 χ^2/NDF:13378.7/52

All: -393.524+/-0.796 χ^2/NDF: 20647.9/102

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.578+/-1.993 χ^2/NDF: 828.3/26

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -88.205+/-1.879 χ^2/NDF: 927.9/28

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

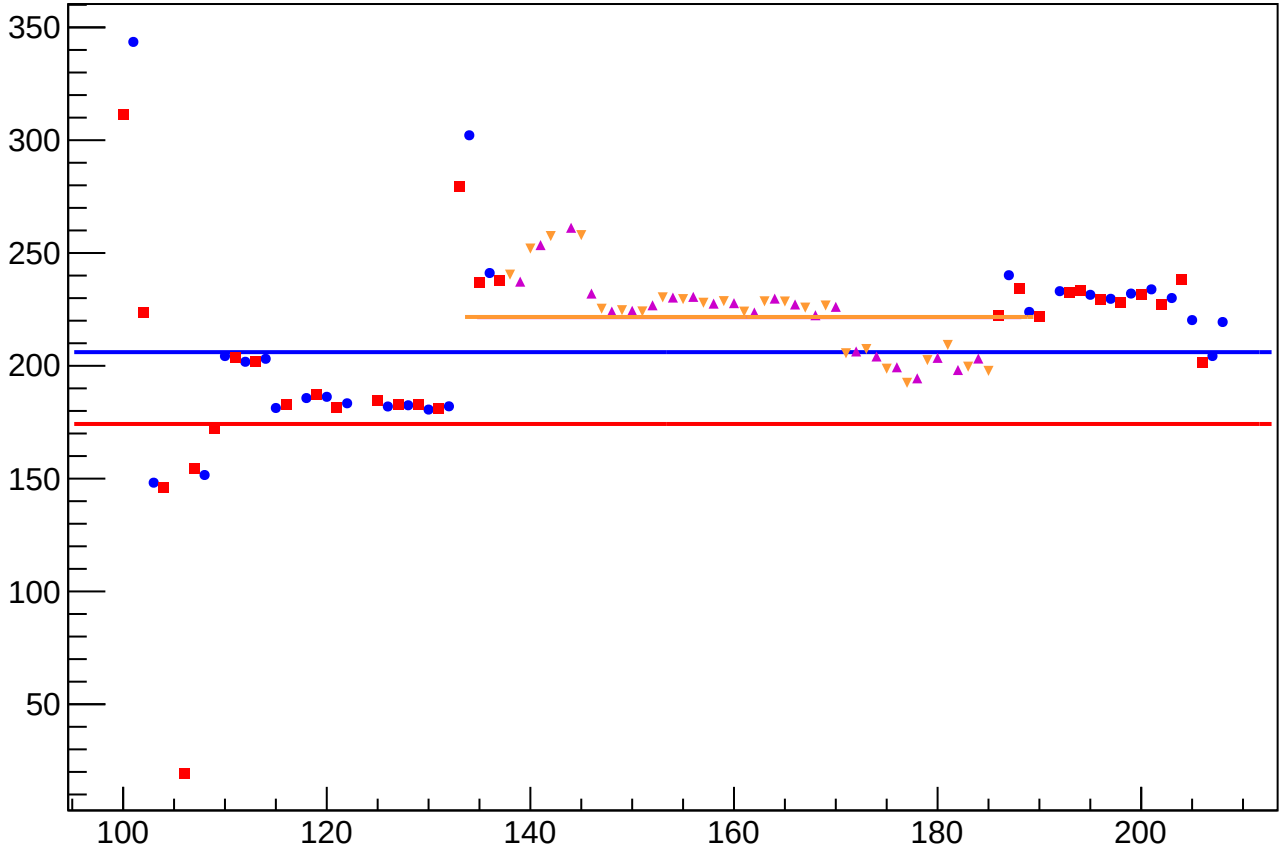
Right: -93.086+/-1.367 χ^2/NDF: 1770.6/55

In: -113.538+/-1.172 χ^2/NDF:1347.1/49

Out: -108.626+/-1.141 χ^2/NDF:1726.5/52

All: -111.015+/-0.818 χ^2/NDF: 3082.6/102

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 206.060+/-0.101 χ^2/NDF: 201564.0/26

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 174.221+/-0.092 χ^2/NDF: 650276.6/28

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

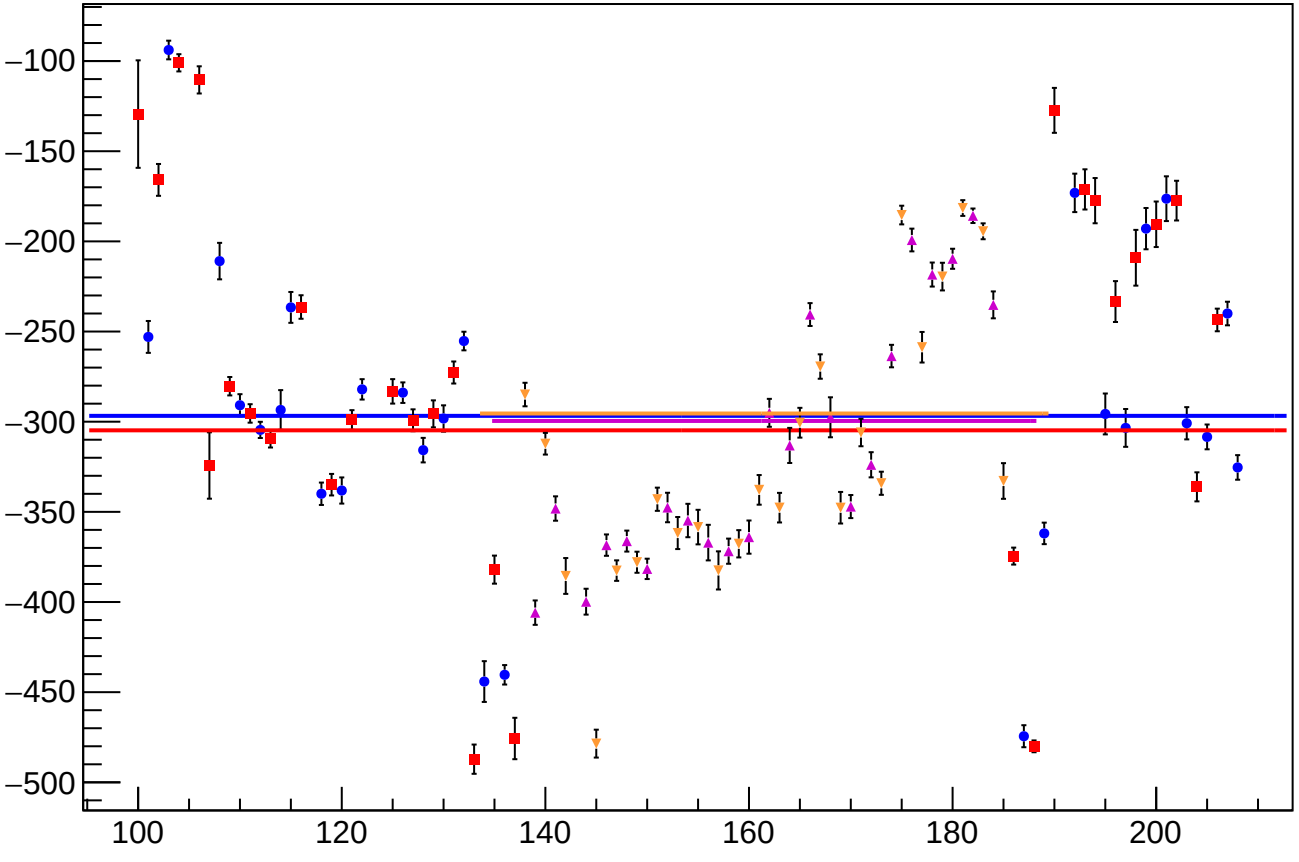
Right: 188.595+/-0.068 χ^2/NDF: 905924.9/55

In: 216.936+/-0.055 χ^2/NDF:280097.1/49

Out: 205.315+/-0.054 χ^2/NDF:891783.8/52

All: 210.971+/-0.039 χ^2/NDF: 1194436.3/102

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -296.760+/-1.338 χ^2/NDF: 4103.0/26

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -304.793+/-1.248 χ^2/NDF: 7725.4/28

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

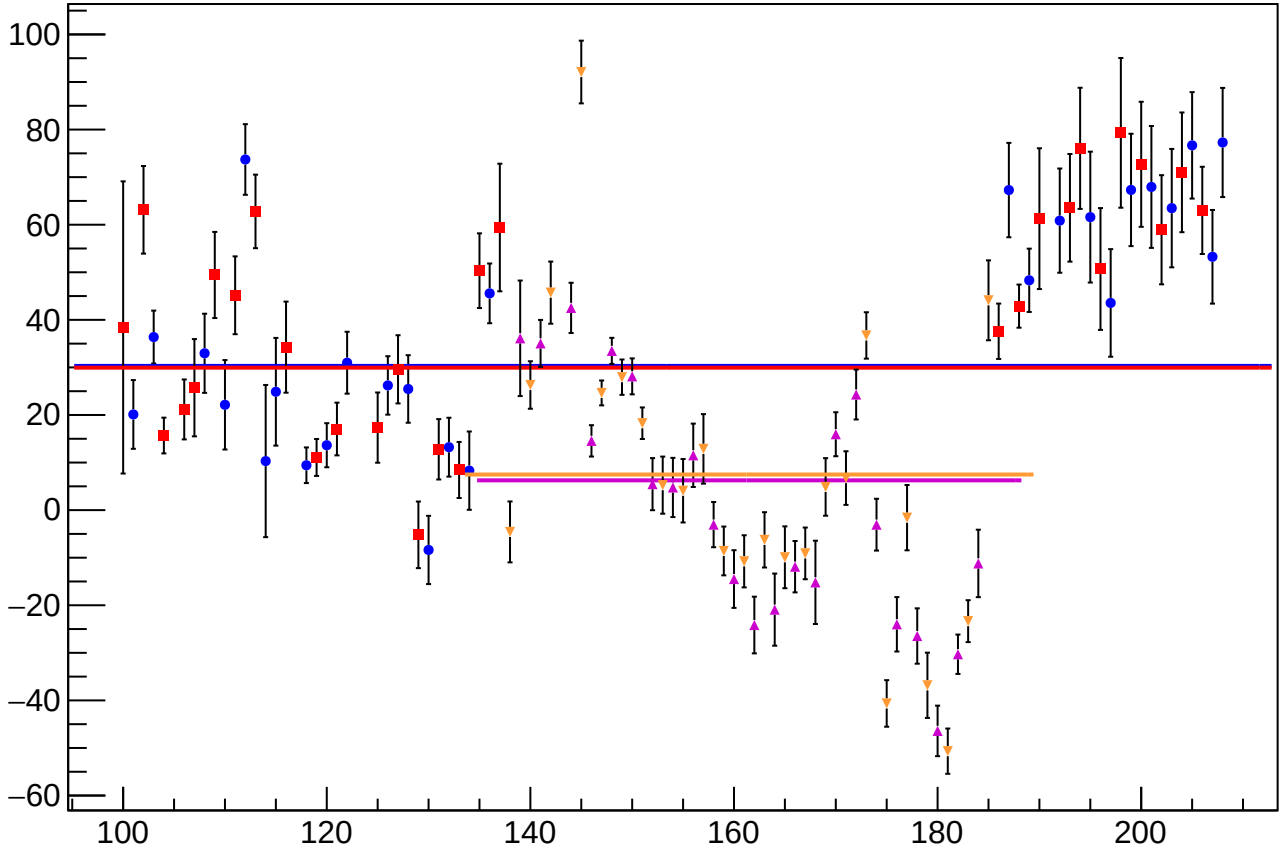
Right: -301.055+/-0.913 χ^2/NDF: 11847.7/55

In: -298.113+/-0.966 χ^2/NDF:7076.9/49

Out: -300.637+/-0.930 χ^2/NDF:11096.6/52

All: -299.424+/-0.670 χ^2/NDF: 18177.0/102

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 30.315+/-1.443 χ^2/NDF: 235.2/26

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 29.951+/-1.355 χ^2/NDF: 234.7/28

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

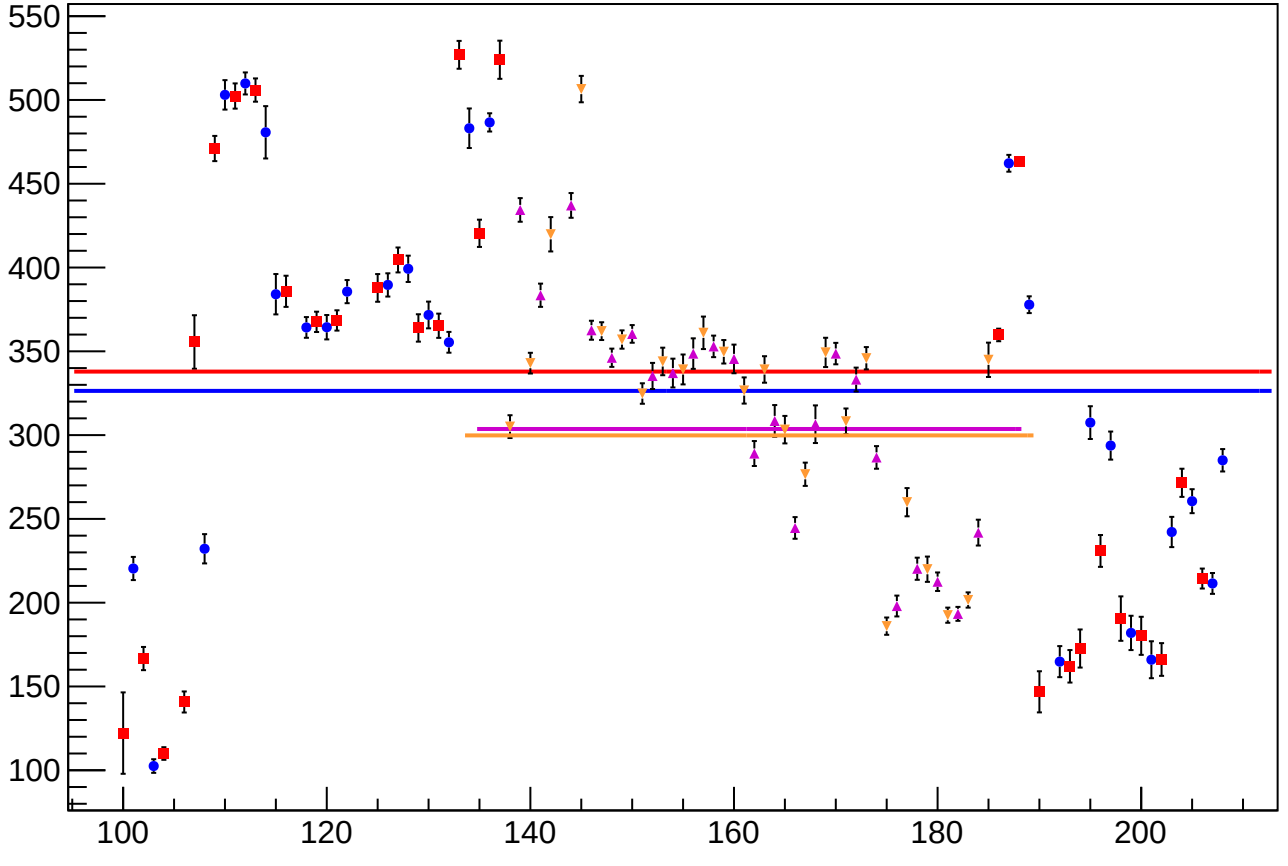
Right: 30.122+/-0.988 χ^2/NDF: 469.9/55

In: 14.537+/-0.846 χ^2/NDF:977.0/49

Out: 15.705+/-0.820 χ^2/NDF:1147.4/52

All: 15.140+/-0.589 χ^2/NDF: 2125.3/102

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 326.389+/-1.360 χ^2/NDF: 8214.9/26

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.905+/-1.226 χ^2/NDF: 12140.9/28

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

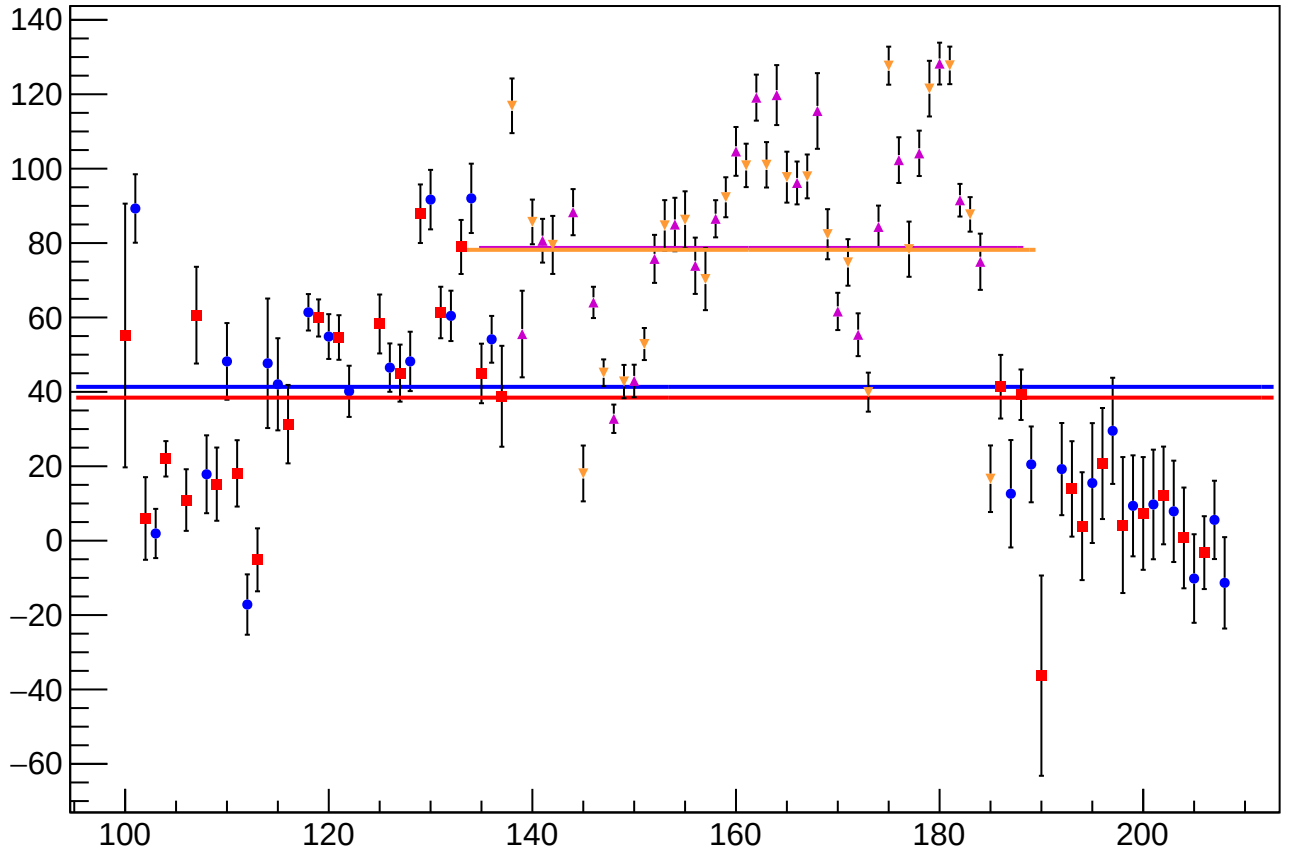
Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

Right: 332.742+/-0.910 χ^2/NDF: 20395.4/55

In: 315.211+/-0.969 χ^2/NDF:11225.0/49

Out: 321.128+/-0.917 χ^2/NDF:15642.4/52

All: 318.335+/-0.666 χ^2/NDF: 26887.0/102



Right In: 41.346+/-1.690 χ^2/NDF: 304.2/26

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 38.449+/-1.625 χ^2/NDF: 243.4/28

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

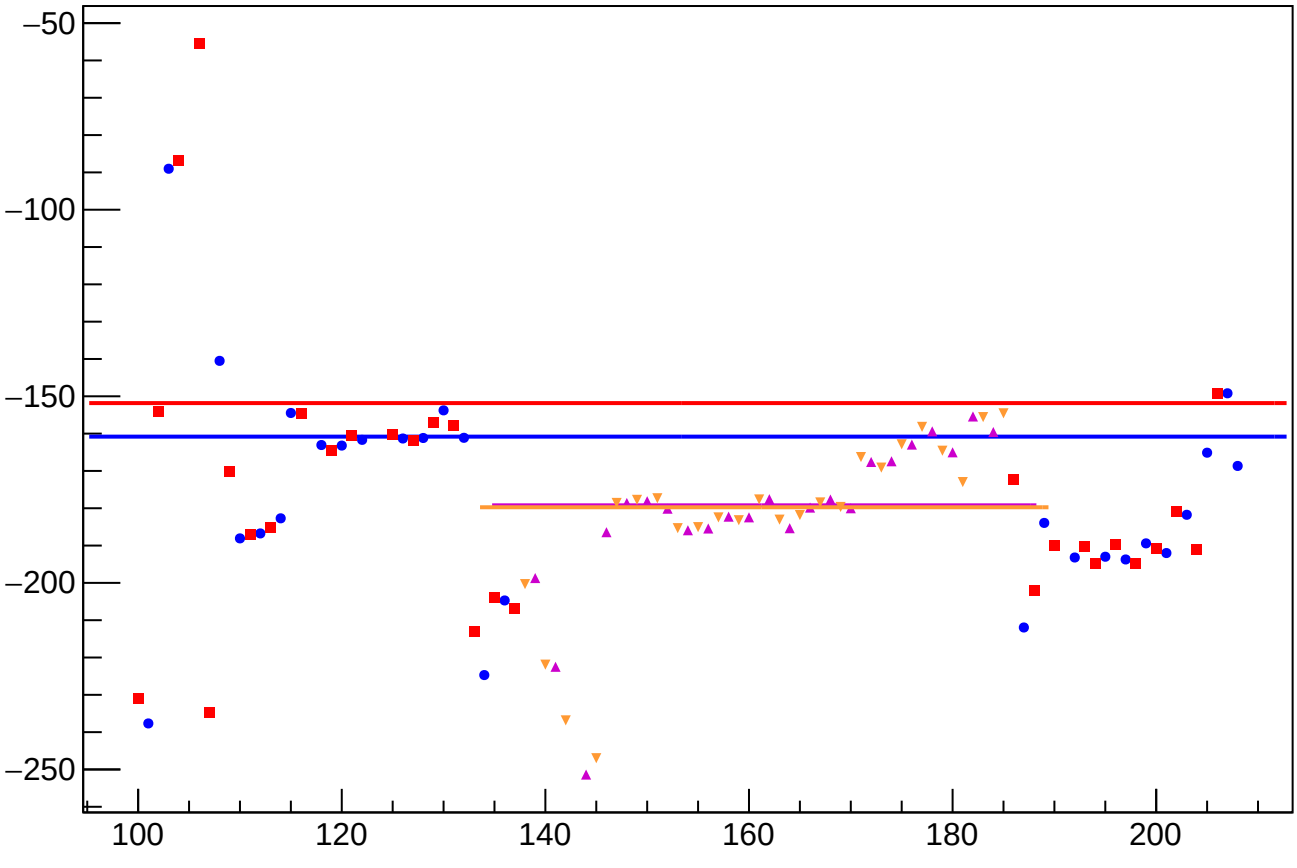
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 39.841+/-1.172 χ^2/NDF: 549.1/55

In: 66.245+/-0.976 χ^2/NDF:1118.2/49

Out: 64.400+/-0.957 χ^2/NDF:1297.0/52

All: 65.305+/-0.683 χ^2/NDF: 2417.1/102



Right In: -160.809+/-0.082 χ^2/NDF: 304689.3/26

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.820+/-0.079 χ^2/NDF: 418161.3/28

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

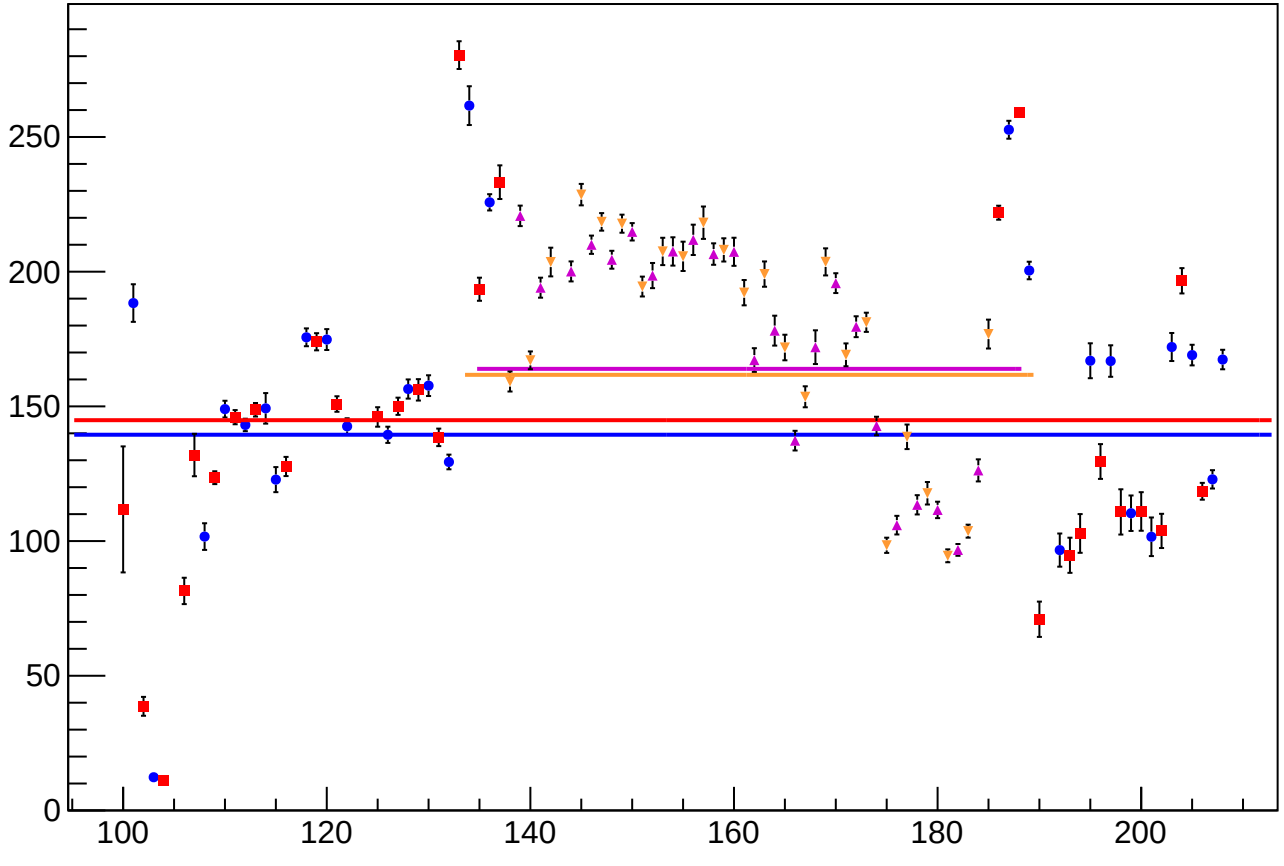
Right: -156.158+/-0.057 χ^2/NDF: 729111.3/55

In: -173.548+/-0.045 χ^2/NDF:453341.6/49

Out: -170.612+/-0.045 χ^2/NDF:634594.0/52

All: -172.073+/-0.032 χ^2/NDF: 1090042.8/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.474+/-0.691 χ^2/NDF: 8223.7/26

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 144.875+/-0.641 χ^2/NDF: 13288.6/28

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

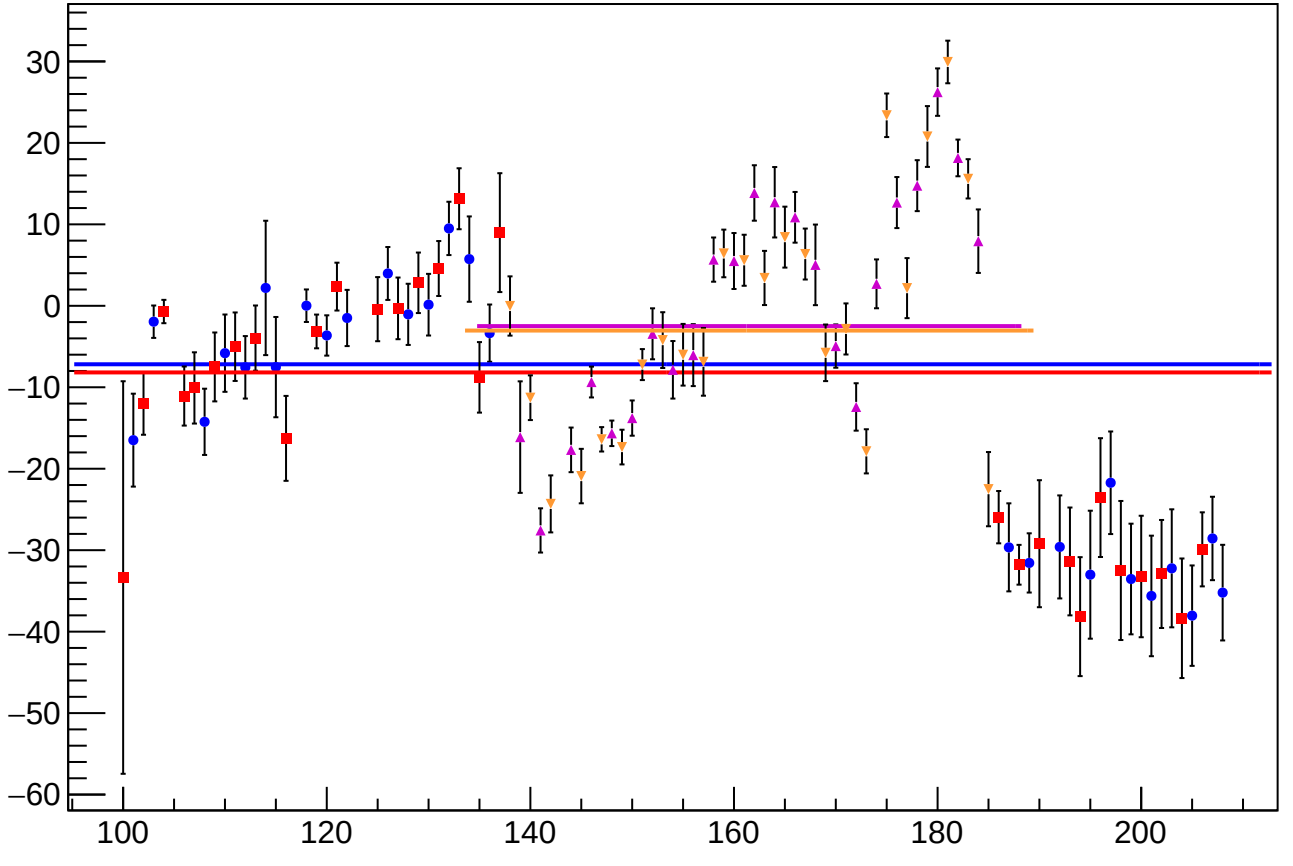
Right: 142.377+/-0.470 χ^2/NDF: 21545.1/55

In: 150.234+/-0.517 χ^2/NDF:12110.6/49

Out: 151.697+/-0.494 χ^2/NDF:17155.6/52

All: 150.998+/-0.357 χ^2/NDF: 29270.4/102

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.178+/-0.751 χ^2/NDF: 281.2/26

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -8.178+/-0.682 χ^2/NDF: 360.4/28

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

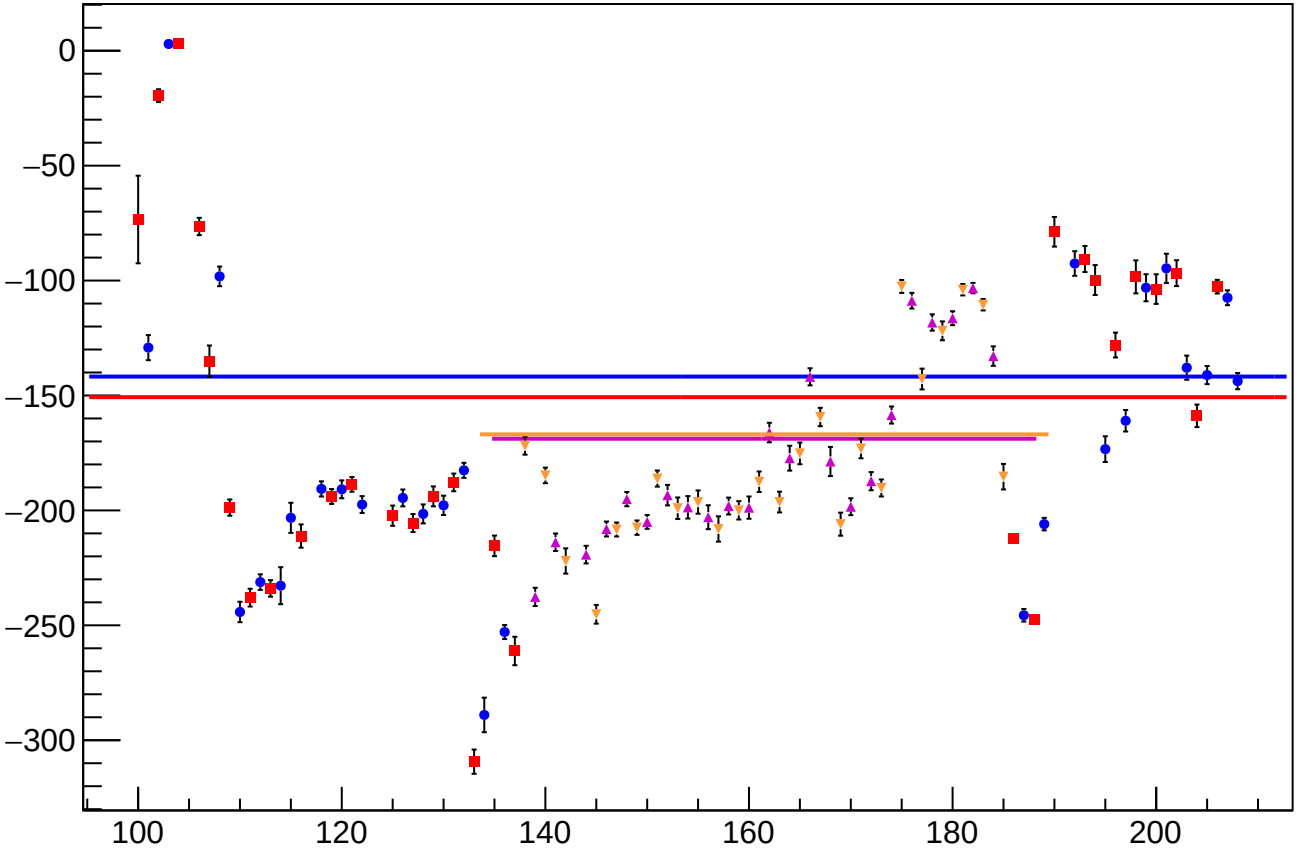
Right: -7.726+/-0.505 χ^2/NDF: 642.6/55

In: -4.267+/-0.463 χ^2/NDF:868.3/49

Out: -5.187+/-0.441 χ^2/NDF:1047.9/52

All: -4.749+/-0.319 χ^2/NDF: 1918.3/102

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -141.769+/-0.689 χ^2/NDF: 17241.0/26

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -150.733+/-0.621 χ^2/NDF: 24023.4/28

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

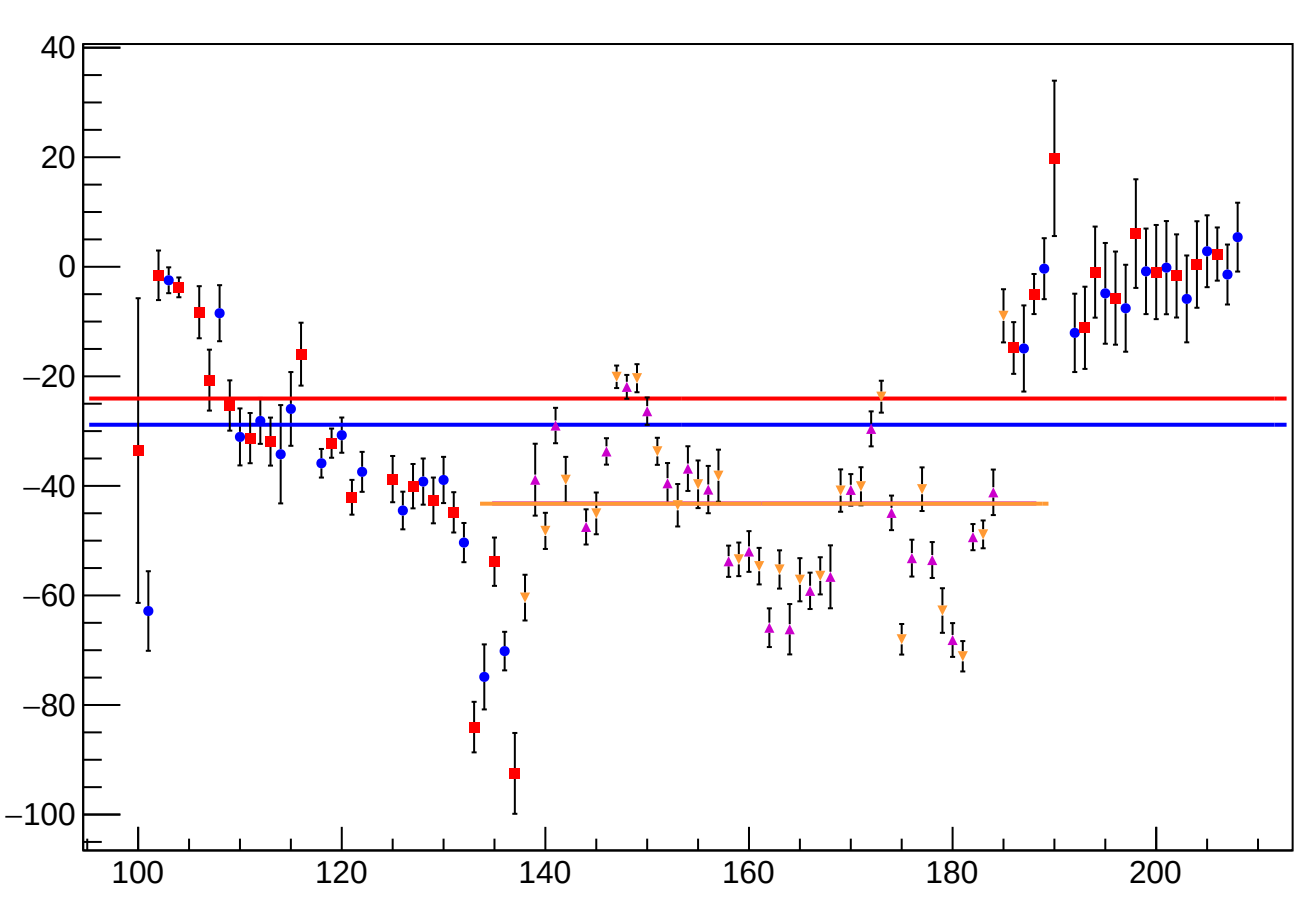
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -146.712+/-0.461 χ^2/NDF: 41357.8/55

In: -153.750+/-0.514 χ^2/NDF:20983.1/49

Out: -157.107+/-0.484 χ^2/NDF:27386.6/52

All: -155.530+/-0.352 χ^2/NDF: 48392.3/102



Right In: -28.838+/-0.880 χ^2/NDF: 602.7/26

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -24.053+/-0.820 χ^2/NDF: 712.1/28

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

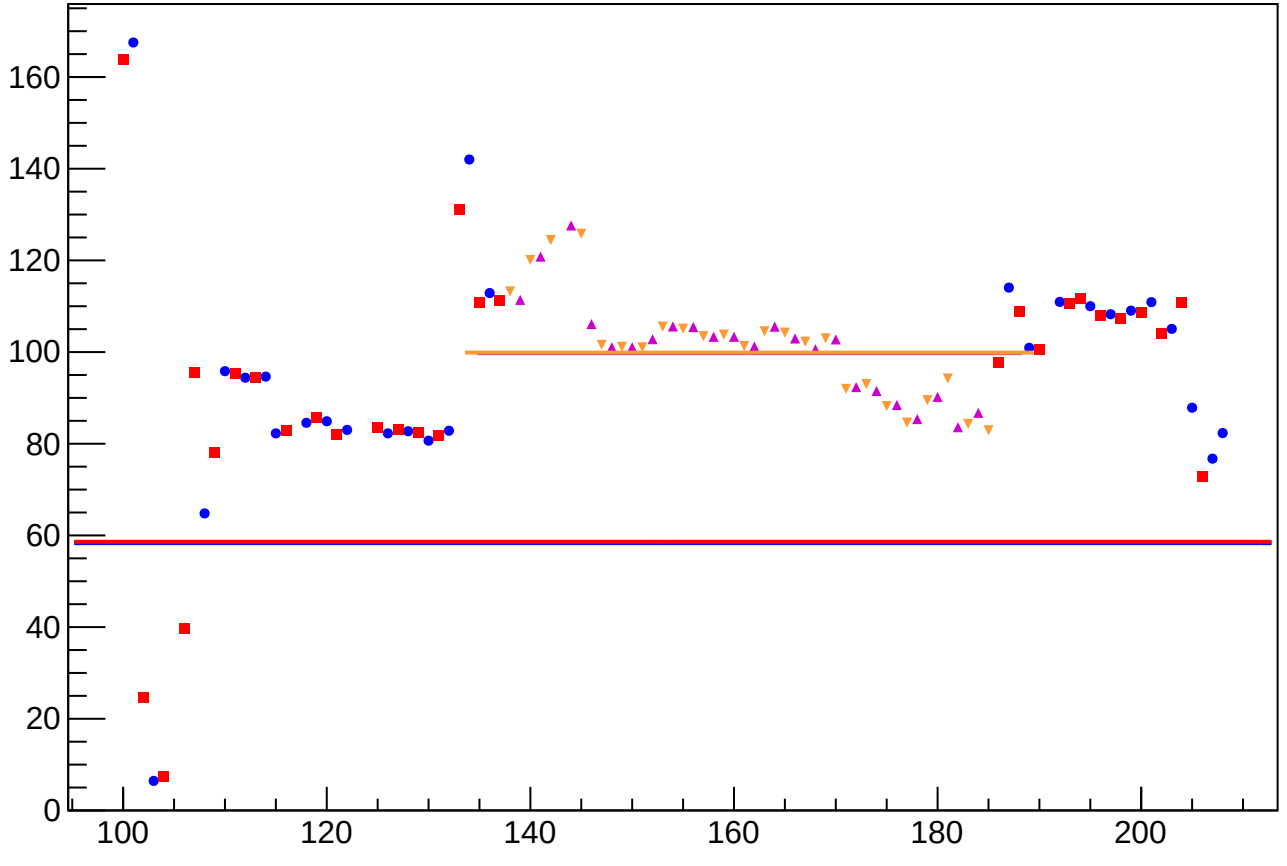
Right: -26.278+/-0.600 χ^2/NDF: 1330.6/55

In: -37.934+/-0.533 χ^2/NDF:1177.3/49

Out: -35.651+/-0.516 χ^2/NDF:1653.1/52

All: -36.756+/-0.371 χ^2/NDF: 2839.9/102

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 58.319+/-0.039 χ^2/NDF: 1501162.5/26

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 58.610+/-0.039 χ^2/NDF: 1288958.3/28

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

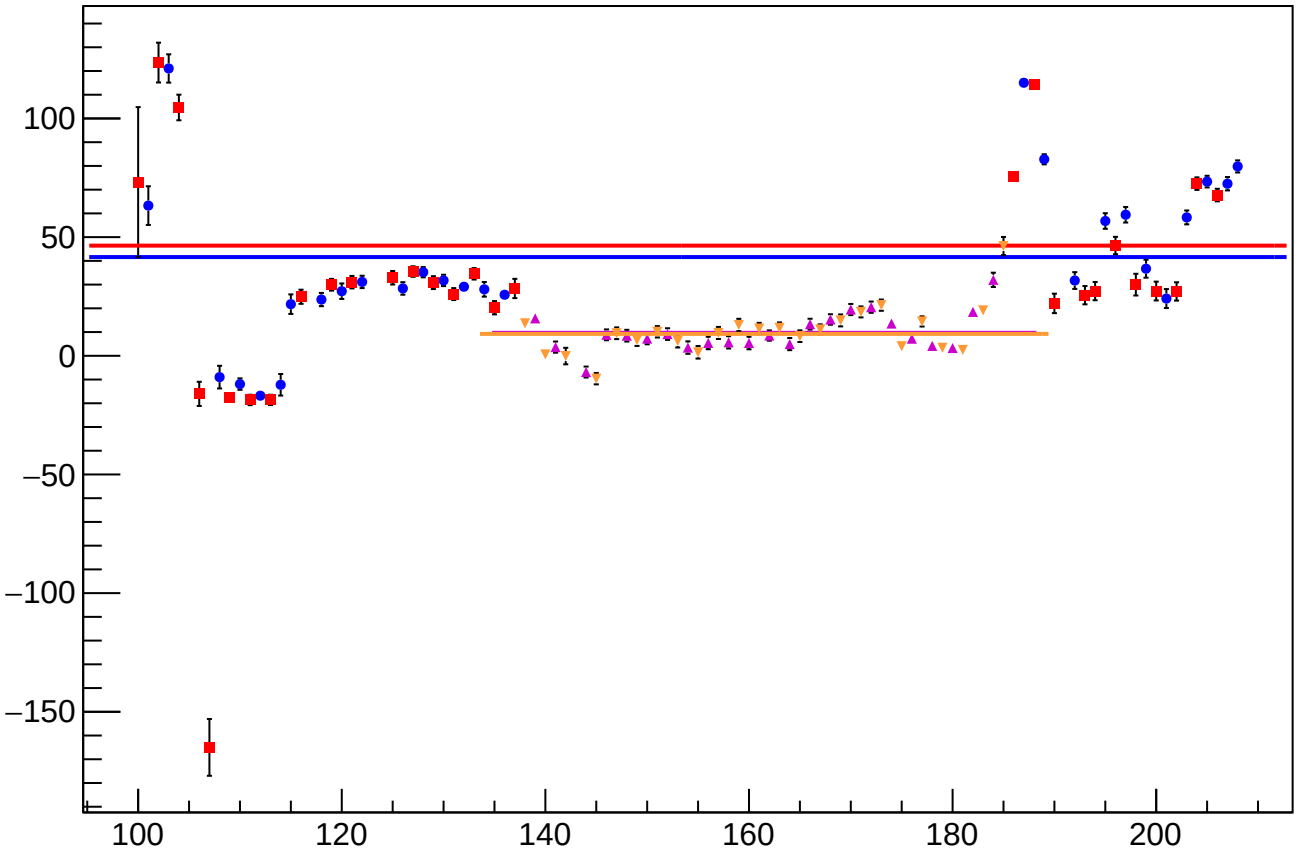
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 58.465+/-0.027 χ^2/NDF: 2790149.0/55

In: 83.933+/-0.024 χ^2/NDF:2317874.1/49

Out: 83.859+/-0.024 χ^2/NDF:2111070.6/52

All: 83.896+/-0.017 χ^2/NDF: 4428949.5/102



Right In: 41.598+/-0.531 χ^2/NDF: 4390.6/26

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 46.419+/-0.488 χ^2/NDF: 8005.0/28

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

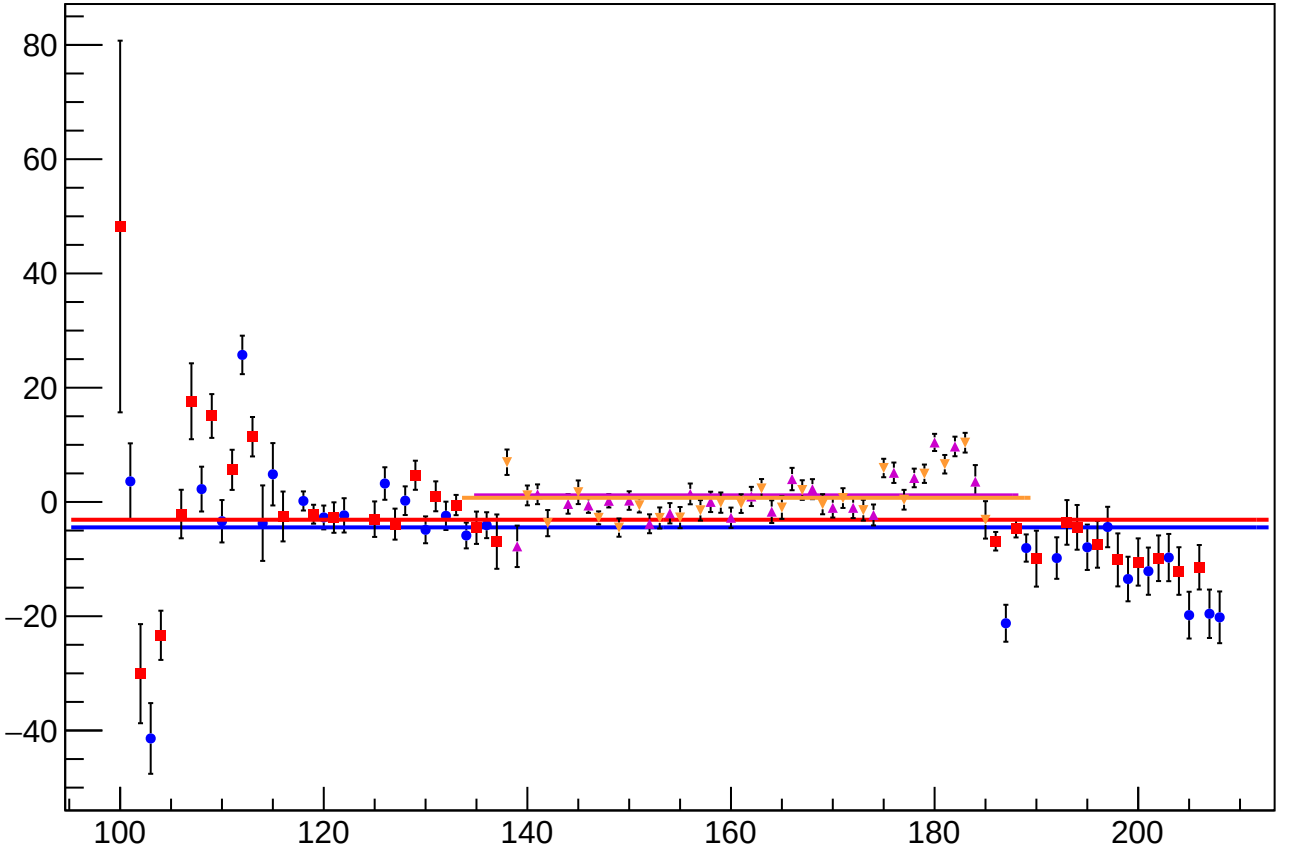
Right: 44.208+/-0.359 χ^2/NDF: 12440.3/55

In: 23.455+/-0.349 χ^2/NDF:6694.7/49

Out: 26.565+/-0.333 χ^2/NDF:11427.5/52

All: 25.078+/-0.241 χ^2/NDF: 18163.8/102

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.446+/-0.589 χ^2/NDF: 225.6/26

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.111+/-0.554 χ^2/NDF: 132.6/28

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

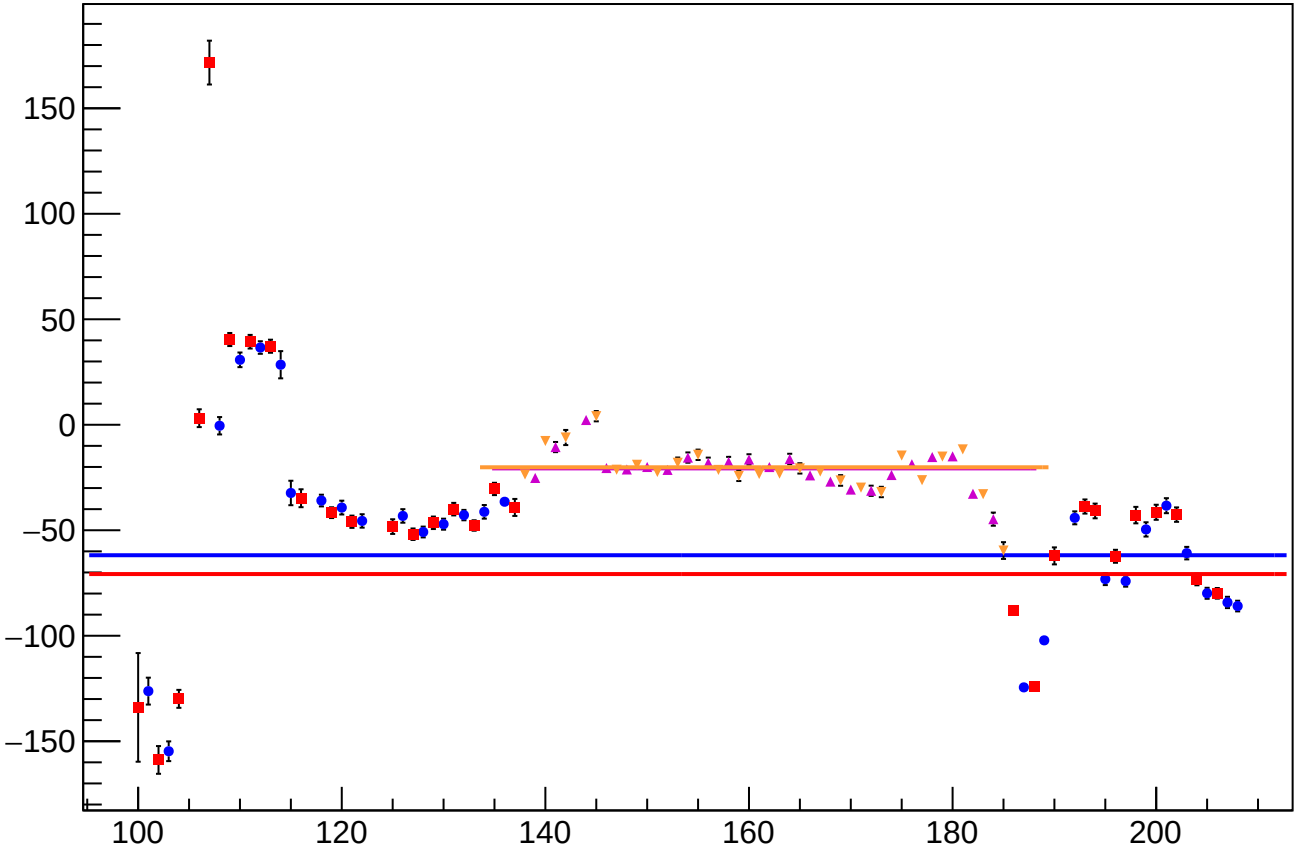
Right: -3.738+/-0.404 χ^2/NDF: 360.9/55

In: -0.352+/-0.306 χ^2/NDF:402.2/49

Out: -0.362+/-0.296 χ^2/NDF:276.6/52

All: -0.357+/-0.212 χ^2/NDF: 678.8/102

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.838+/-0.542 χ^2/NDF: 5582.5/26

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.760+/-0.474 χ^2/NDF: 9658.8/28

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

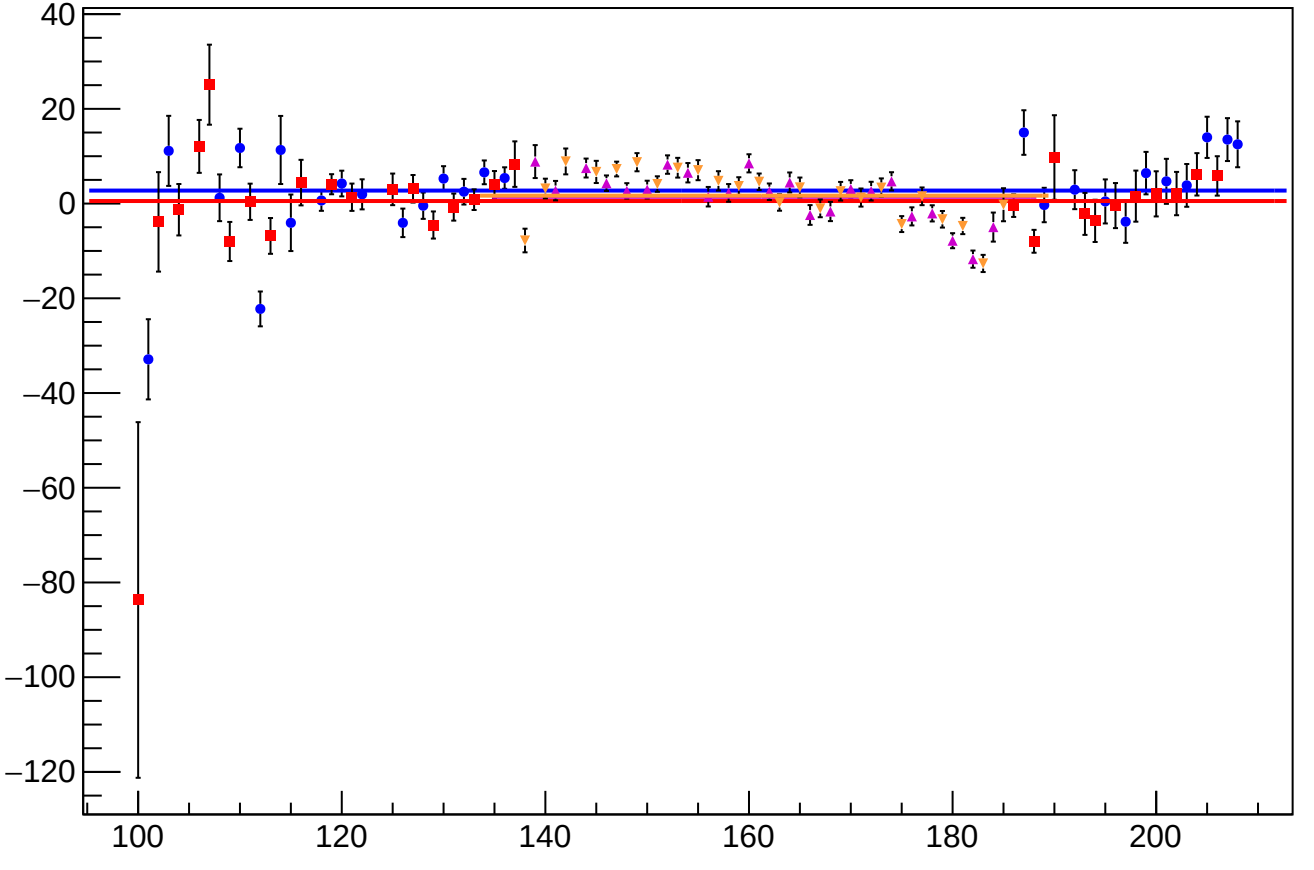
Right: -66.895+/-0.357 χ^2/NDF: 15395.0/55

In: -37.822+/-0.350 χ^2/NDF:9261.2/49

Out: -44.297+/-0.327 χ^2/NDF:16049.1/52

All: -41.274+/-0.239 χ^2/NDF: 25493.2/102

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.745+/-0.684 χ^2/NDF: 112.4/26

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.538+/-0.668 χ^2/NDF: 56.8/28

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

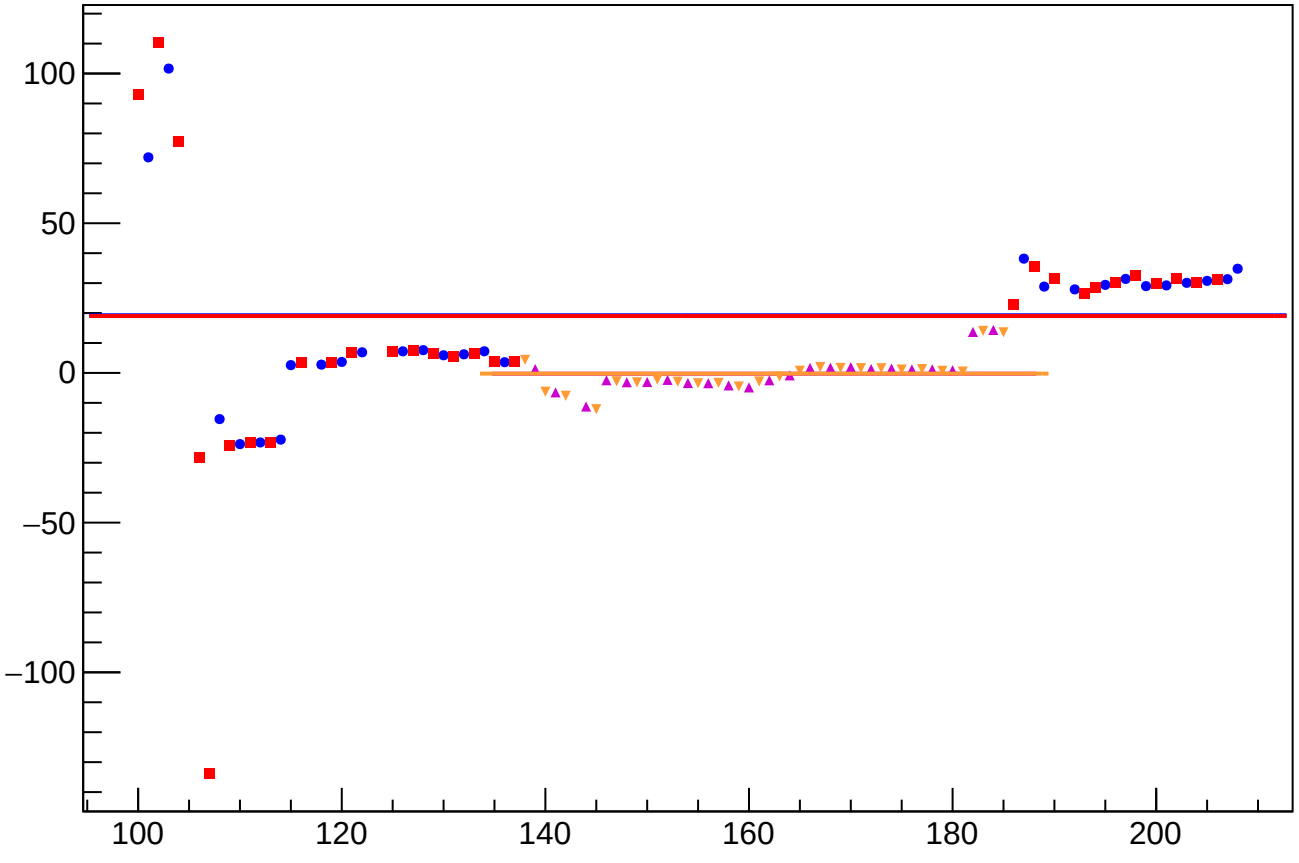
Right: 1.616+/-0.478 χ^2/NDF: 174.5/55

In: 1.767+/-0.347 χ^2/NDF:278.0/49

Out: 1.378+/-0.340 χ^2/NDF:236.9/52

All: 1.568+/-0.243 χ^2/NDF: 515.5/102

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 19.257+/-0.034 χ^2/NDF: 420074.9/26

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 19.000+/-0.034 χ^2/NDF: 588859.9/28

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

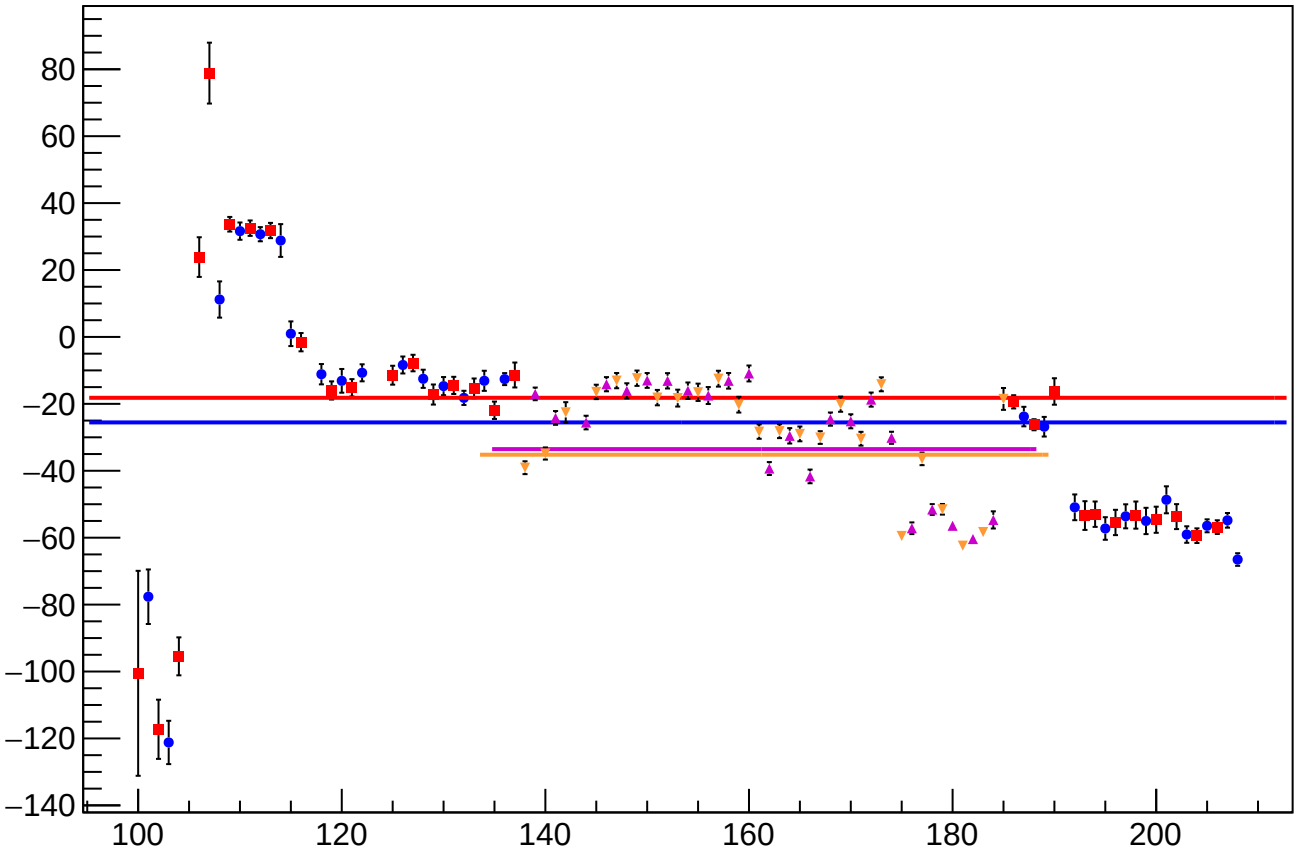
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 19.129+/-0.024 χ^2/NDF: 1008963.1/55

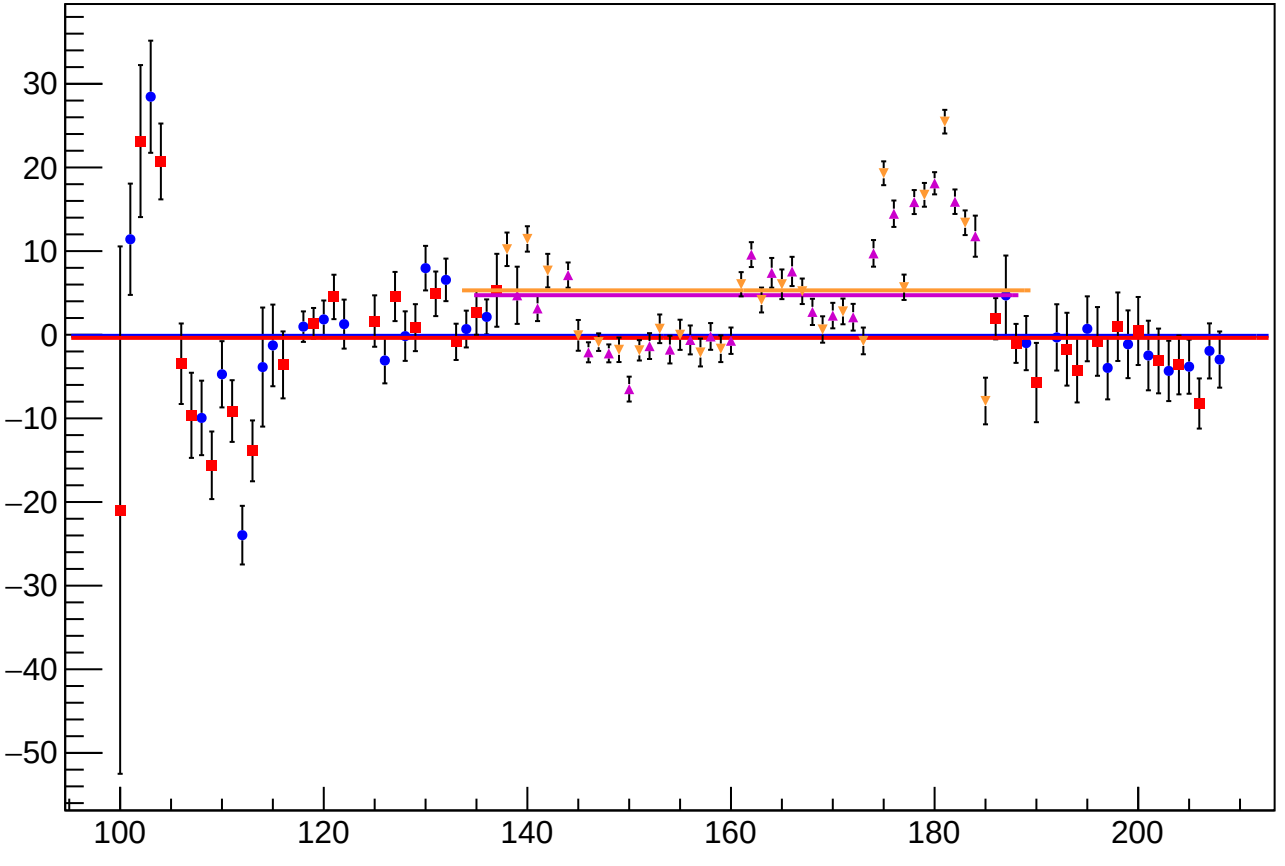
In: 3.898+/-0.016 χ^2/NDF:751552.2/49

Out: 3.817+/-0.016 χ^2/NDF:919933.0/52

All: 3.857+/-0.011 χ^2/NDF: 1671498.8/102


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -25.549+/-0.535 χ²/NDF: 3281.9/26
Left Out: -35.201+/-0.408 χ²/NDF:1850.7/23
Right Out: -18.192+/-0.534 χ²/NDF: 3314.3/28
Left In: -33.528+/-0.414 χ²/NDF:1806.1/22
Left: -34.376+/-0.291 χ²/NDF: 3665.2/46
Right: -21.861+/-0.378 χ²/NDF: 6690.8/55
In: -30.546+/-0.327 χ²/NDF:5227.1/49
Out: -28.930+/-0.324 χ²/NDF:5805.3/52
All: -29.730+/-0.230 χ²/NDF: 11044.7/102

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.131+/-0.608 χ^2/NDF: 100.1/26

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.373+/-0.608 χ^2/NDF: 93.1/28

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

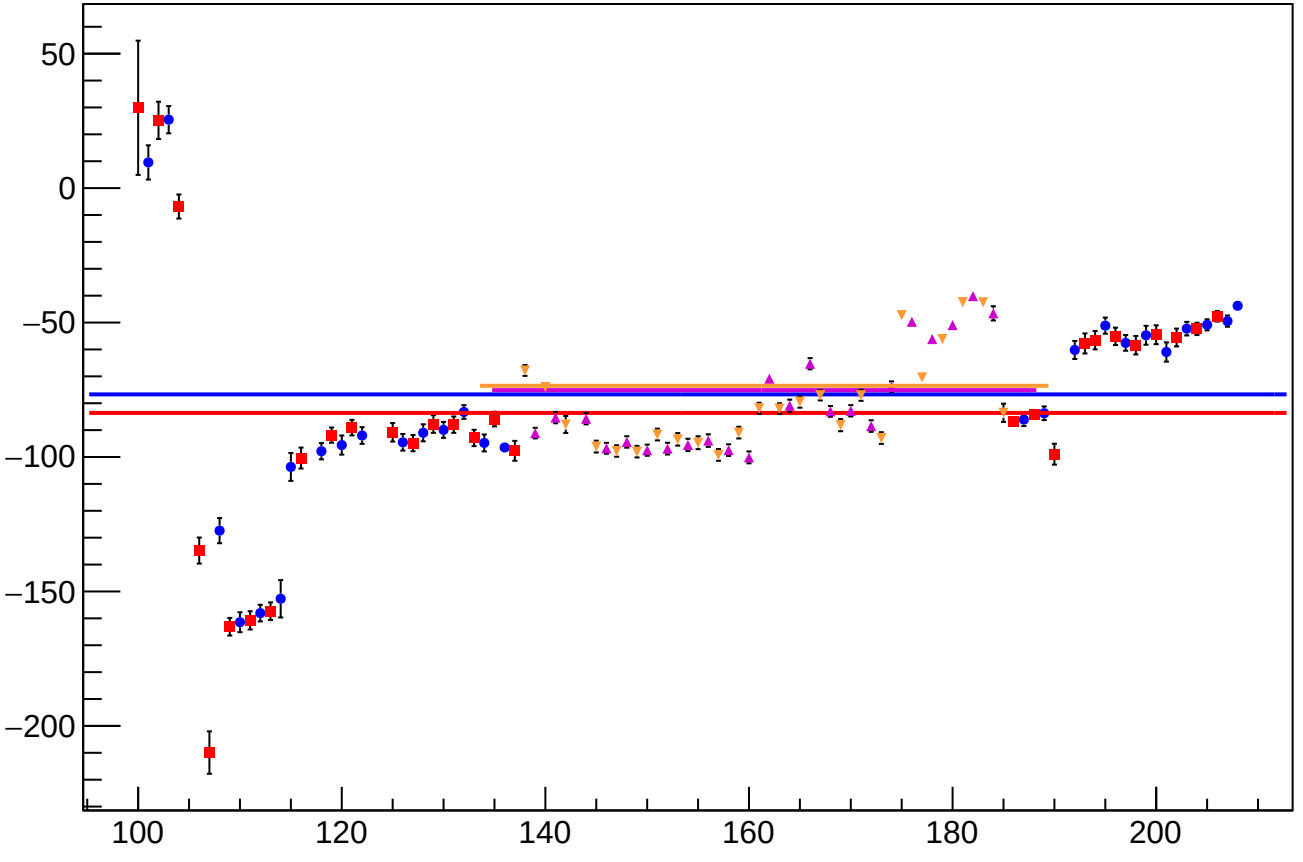
Right: -0.252+/-0.430 χ^2/NDF: 193.3/55

In: 3.668+/-0.284 χ^2/NDF:646.0/49

Out: 4.105+/-0.280 χ^2/NDF:786.4/52

All: 3.890+/-0.199 χ^2/NDF: 1433.5/102

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.707+/-0.556 χ^2/NDF: 3352.1/26

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -83.600+/-0.541 χ^2/NDF: 3548.6/28

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

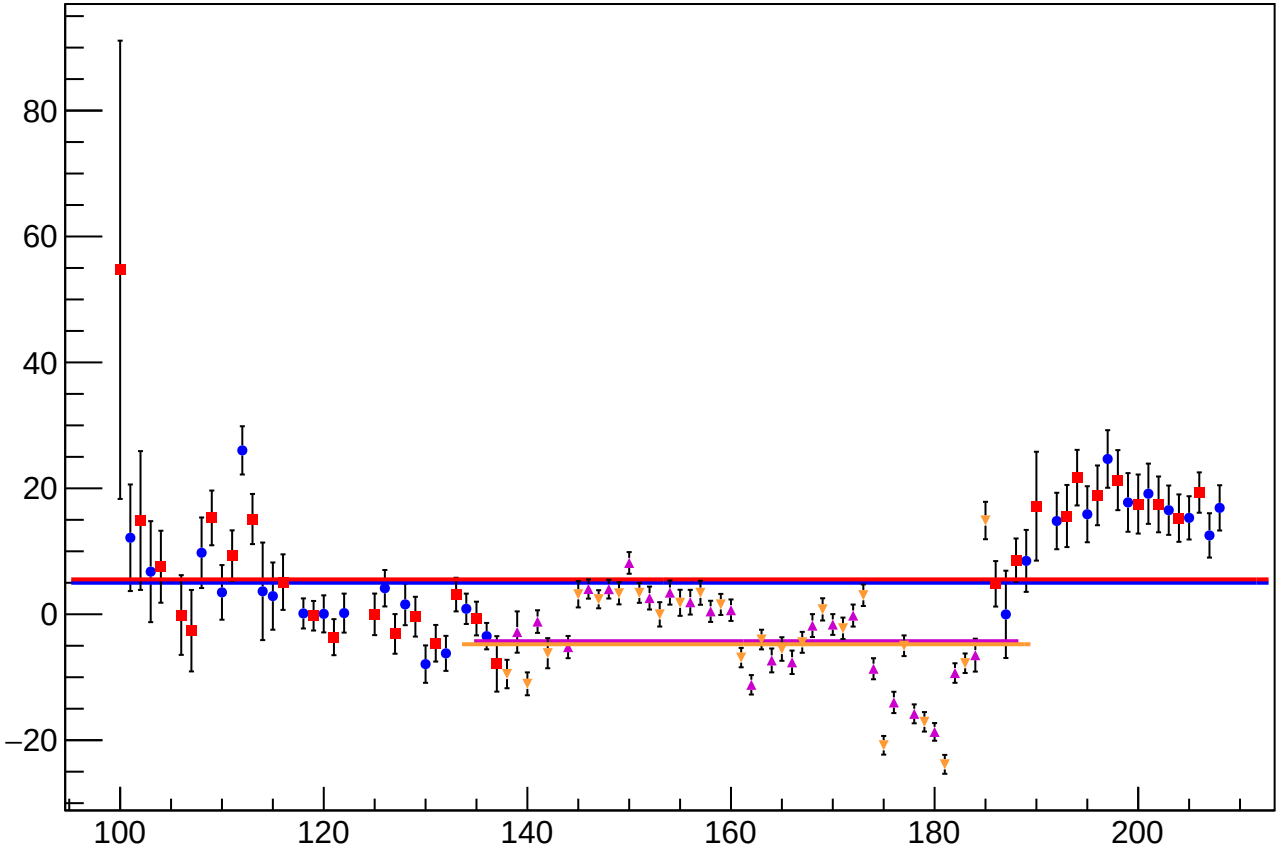
Right: -80.251+/-0.388 χ^2/NDF: 6979.6/55

In: -75.687+/-0.330 χ^2/NDF:5719.2/49

Out: -77.136+/-0.324 χ^2/NDF:6163.6/52

All: -76.424+/-0.231 χ^2/NDF: 11892.6/102

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.009+/-0.692 χ^2/NDF: 176.6/26

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 5.541+/-0.710 χ^2/NDF: 152.7/28

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

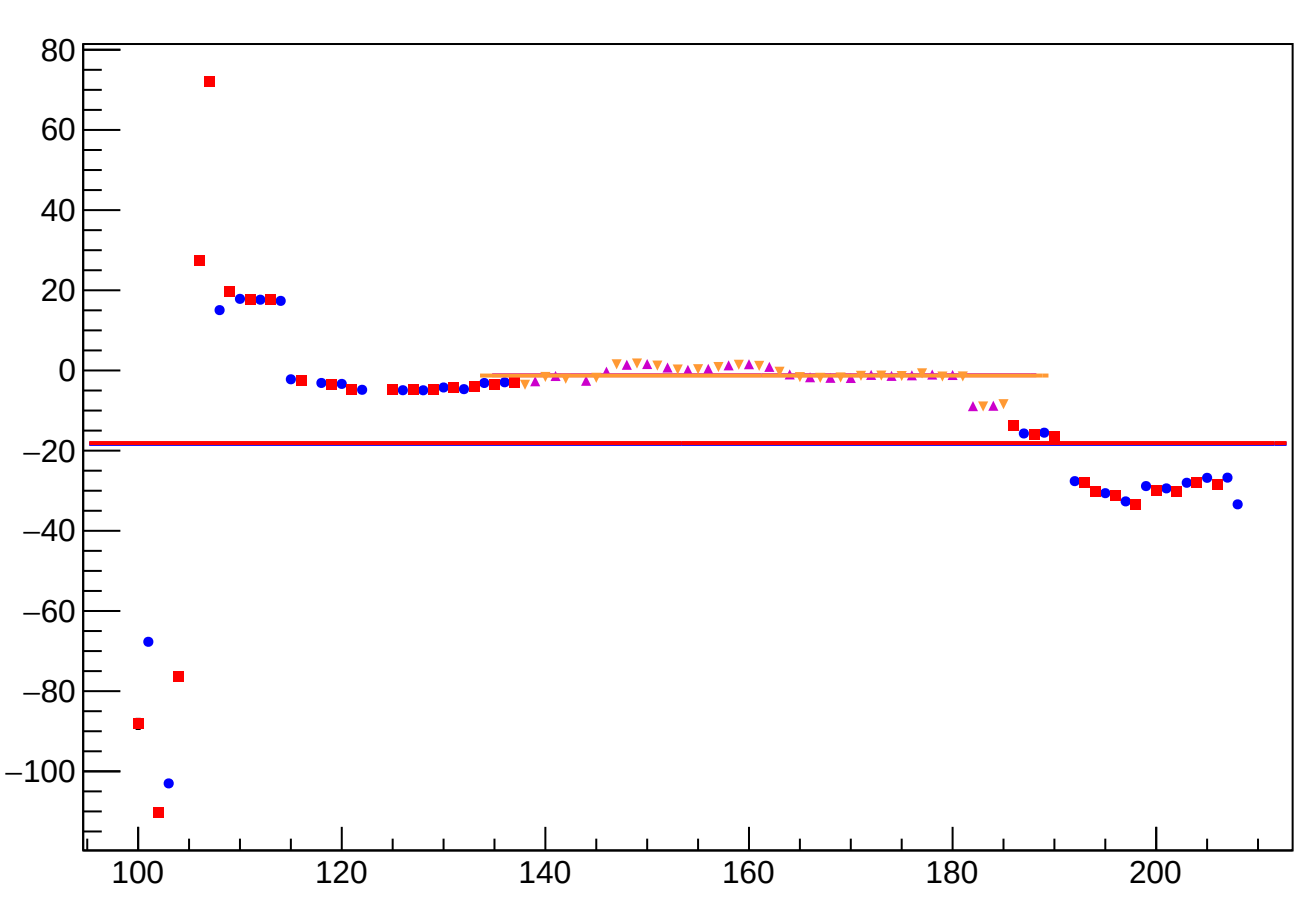
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 5.268+/-0.495 χ^2/NDF: 329.6/55

In: -2.291+/-0.320 χ^2/NDF:742.4/49

Out: -2.704+/-0.317 χ^2/NDF:898.1/52

All: -2.499+/-0.225 χ^2/NDF: 1641.4/102



Right In: -18.315+/-0.033 χ^2/NDF: 377062.4/26

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -18.106+/-0.035 χ^2/NDF: 462512.5/28

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

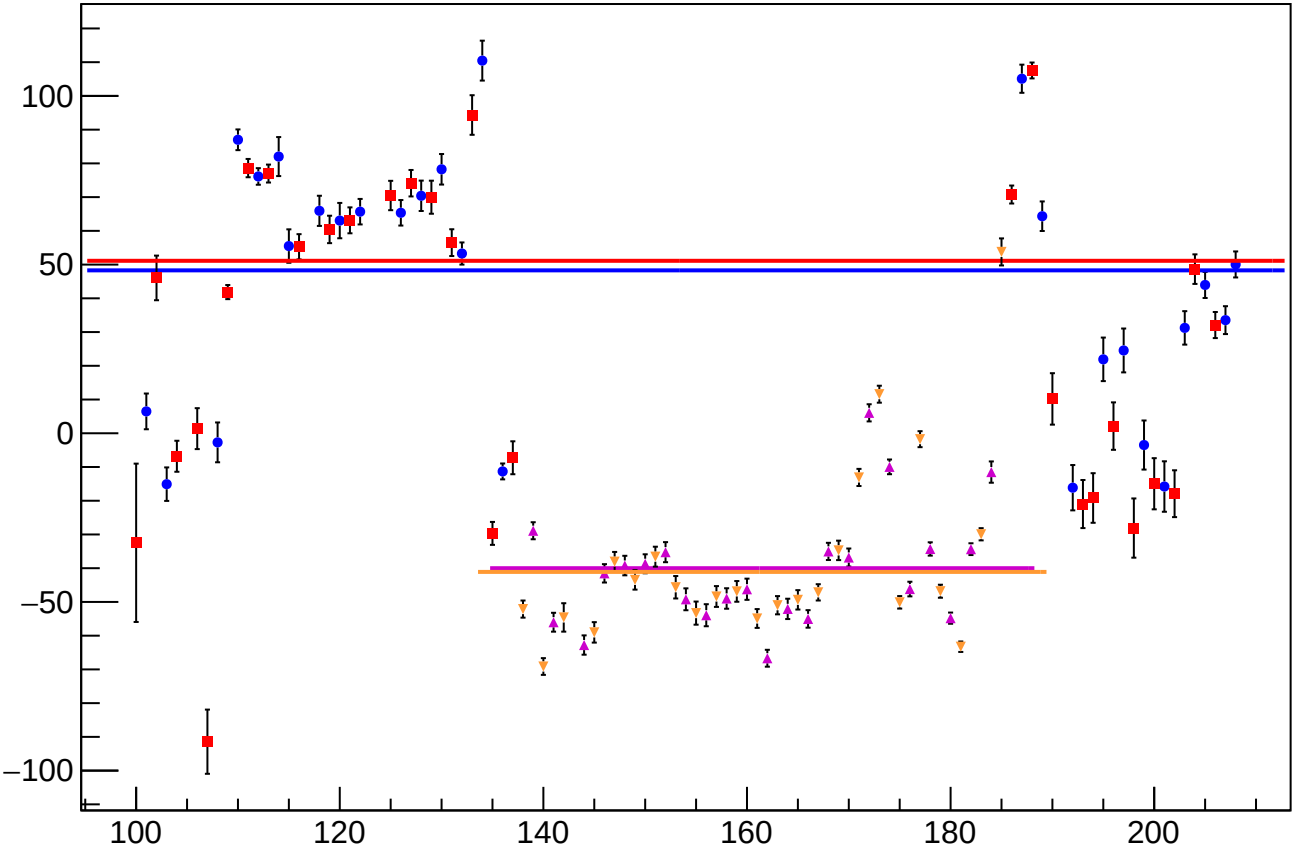
Right: -18.215+/-0.024 χ^2/NDF: 839593.9/55

In: -4.379+/-0.014 χ^2/NDF:617167.3/49

Out: -4.203+/-0.014 χ^2/NDF:684062.0/52

All: -4.291+/-0.010 χ^2/NDF: 1301303.7/102

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 48.290+/-0.810 χ^2/NDF: 1979.7/26

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.124+/-0.753 χ^2/NDF: 2711.5/28

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

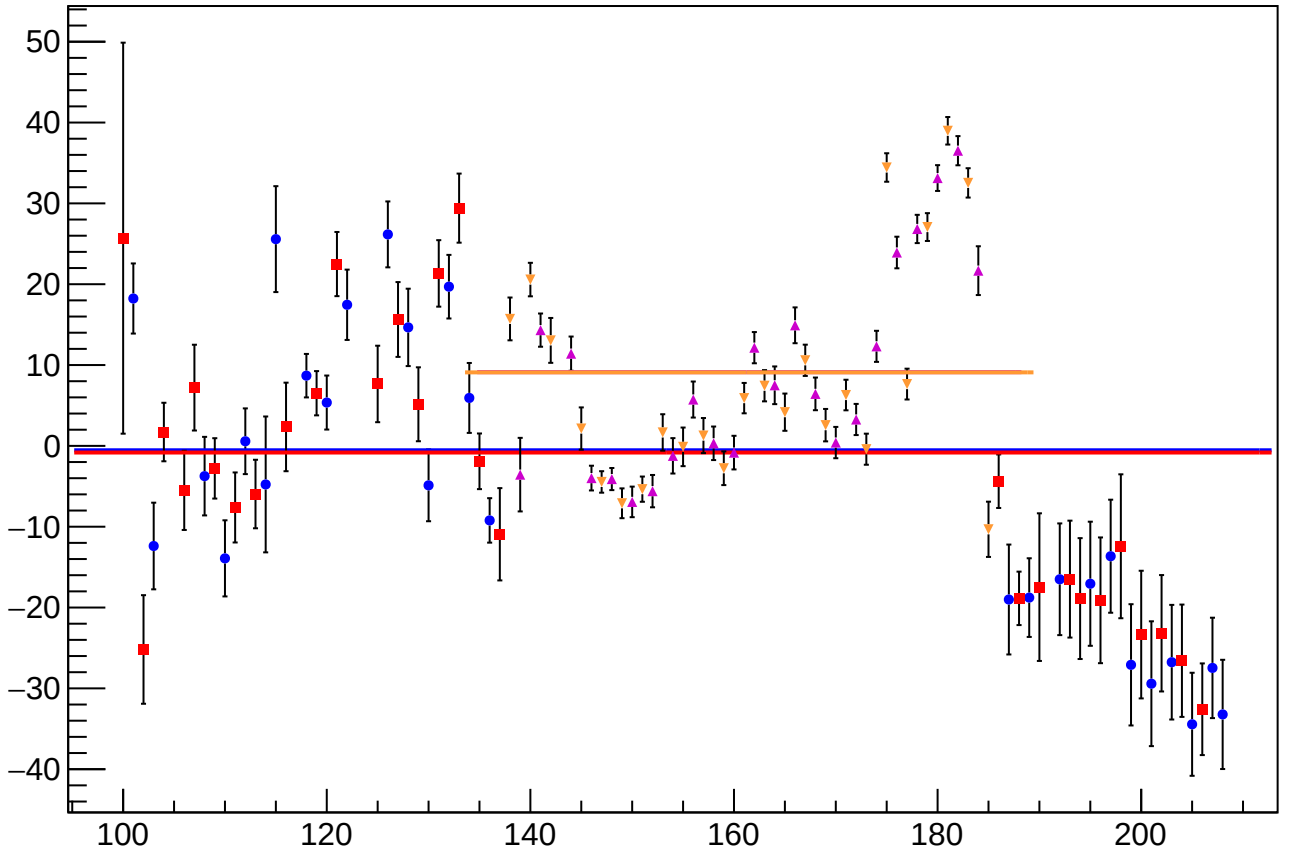
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 49.811+/-0.552 χ^2/NDF: 4697.7/55

In: -13.949+/-0.440 χ^2/NDF:11379.1/49

Out: -11.524+/-0.426 χ^2/NDF:14849.0/52

All: -12.698+/-0.306 χ^2/NDF: 26243.7/102



Right In: -0.545+/-0.910 χ^2/NDF: 318.5/26

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -0.822+/-0.876 χ^2/NDF: 279.1/28

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

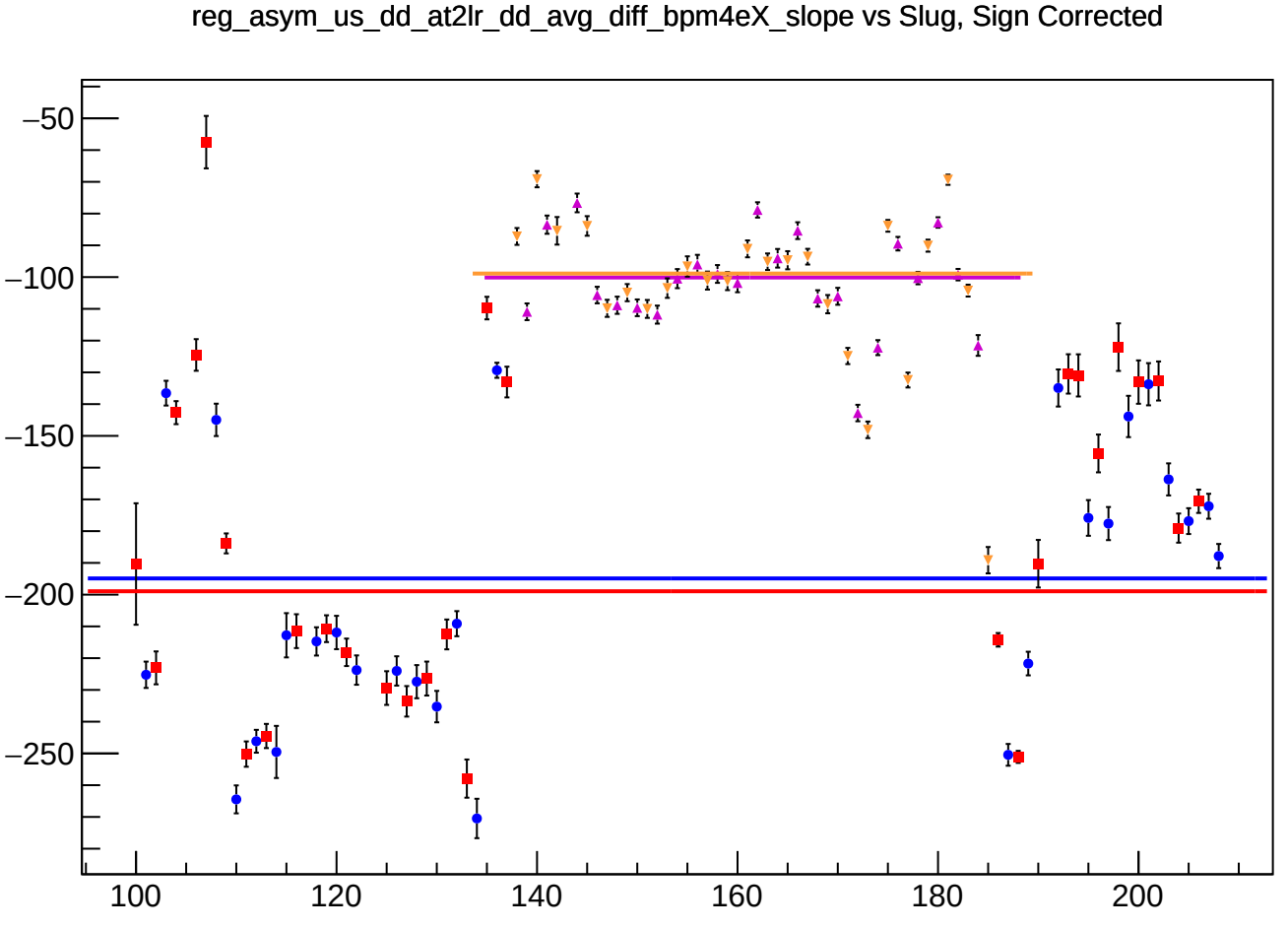
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -0.689+/-0.631 χ^2/NDF: 597.6/55

In: 7.496+/-0.373 χ^2/NDF:1464.2/49

Out: 7.373+/-0.365 χ^2/NDF:1638.8/52

All: 7.433+/-0.261 χ^2/NDF: 3103.1/102



Right In: -194.892+/-0.849 χ^2/NDF: 2697.6/26

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -198.932+/-0.781 χ^2/NDF: 3657.5/28

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

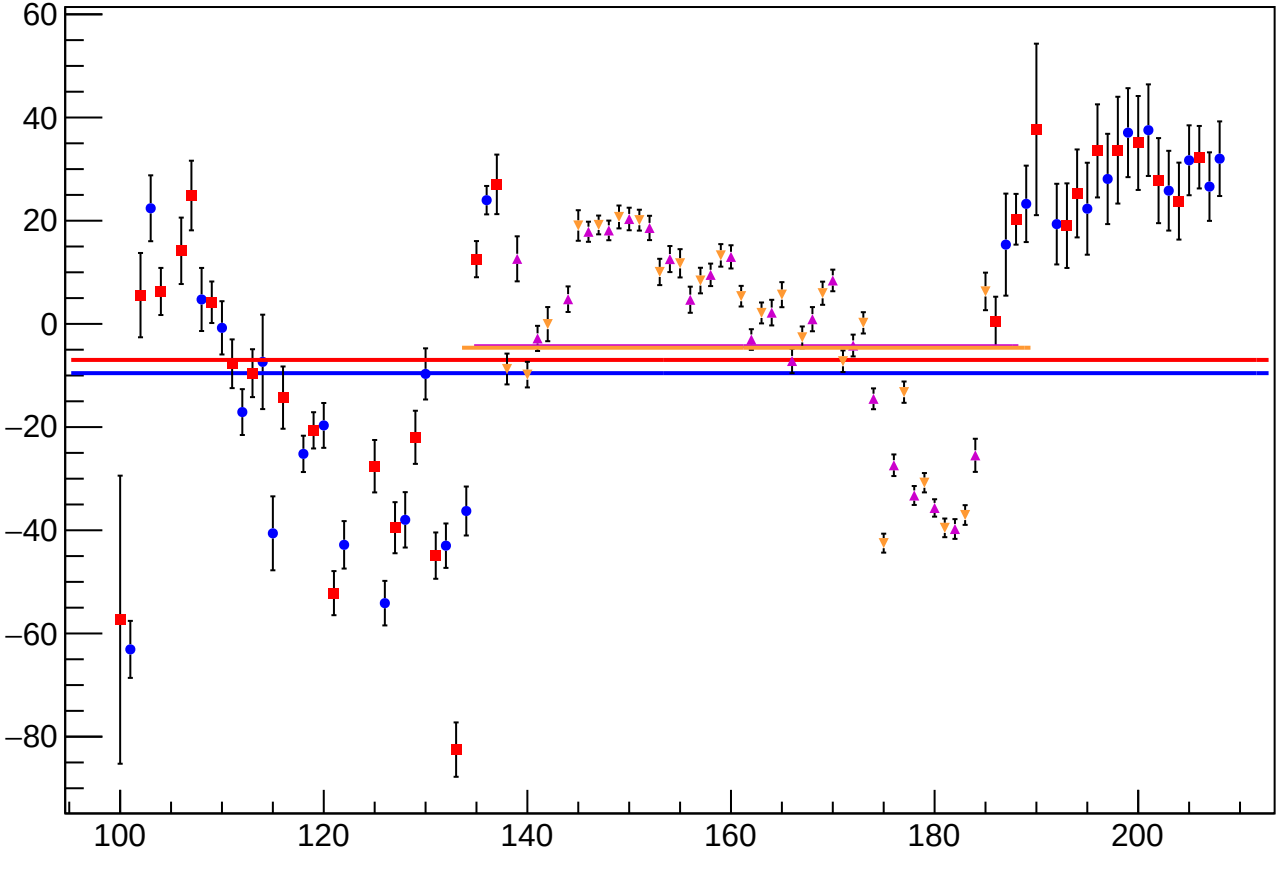
Right: -197.079+/-0.575 χ^2/NDF: 6367.4/55

In: -125.977+/-0.444 χ^2/NDF:12577.6/49

Out: -129.107+/-0.430 χ^2/NDF:16921.3/52

All: -127.592+/-0.309 χ^2/NDF: 29524.6/102

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.547+/-1.042 χ^2/NDF: 850.5/26

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -6.983+/-1.026 χ^2/NDF: 792.8/28

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

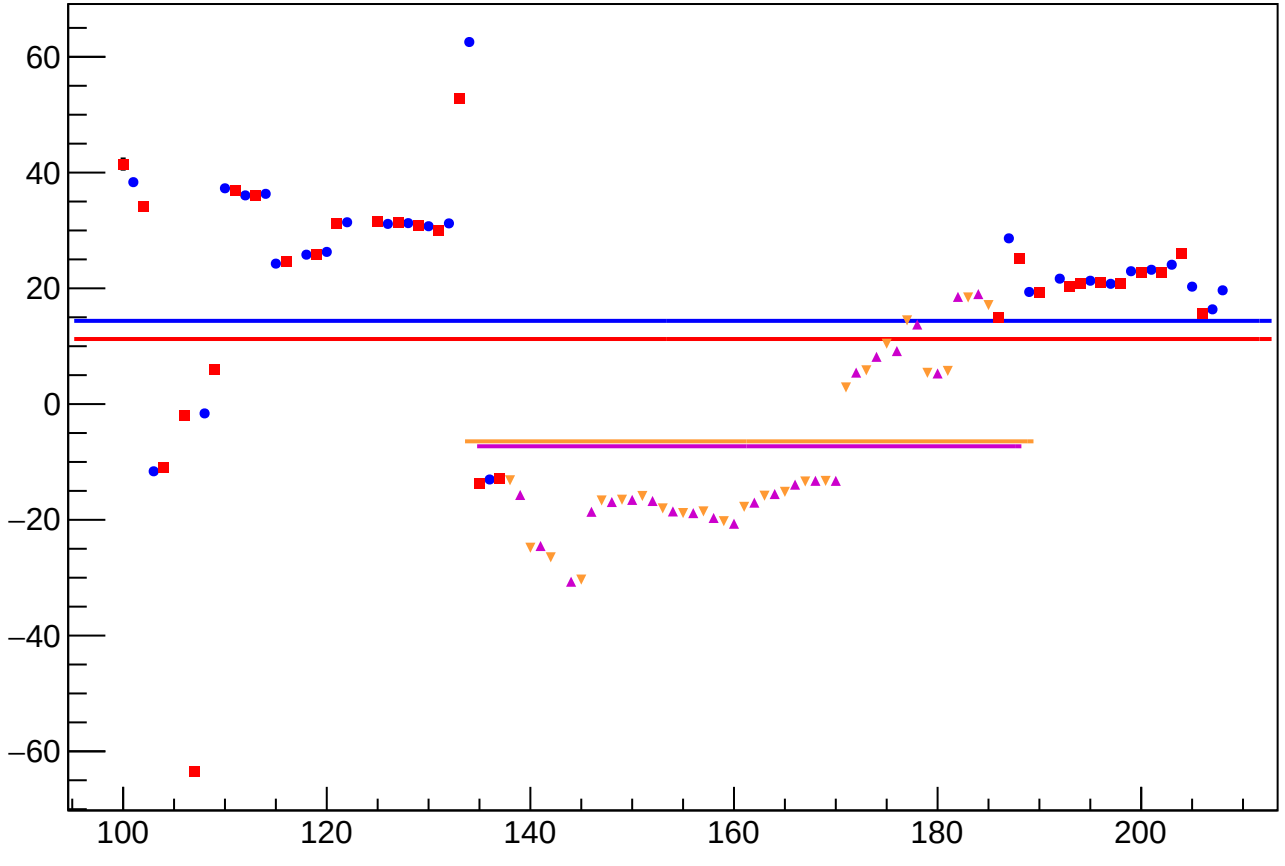
Right: -8.245+/-0.731 χ^2/NDF: 1646.4/55

In: -5.175+/-0.420 χ^2/NDF:2725.7/49

Out: -5.002+/-0.413 χ^2/NDF:2875.6/52

All: -5.087+/-0.294 χ^2/NDF: 5601.3/102

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.380+/-0.051 χ^2/NDF: 175468.7/26

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.243+/-0.051 χ^2/NDF: 177898.6/28

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

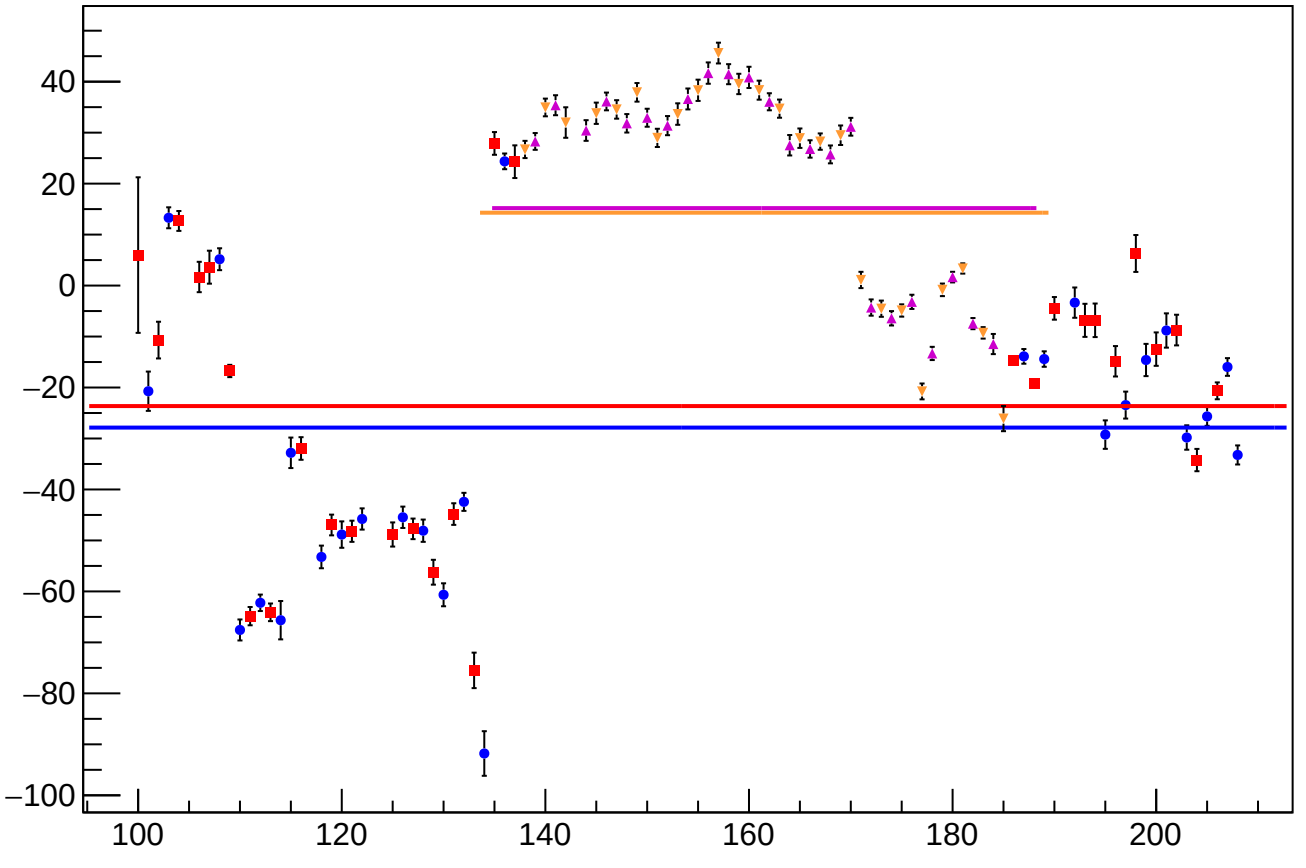
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.809+/-0.036 χ^2/NDF: 355284.4/55

In: -4.299+/-0.019 χ^2/NDF:821133.7/49

Out: -4.009+/-0.019 χ^2/NDF:779886.6/52

All: -4.153+/-0.013 χ^2/NDF: 1601138.9/102



Right In: -27.861+/-0.411 χ^2/NDF: 3989.3/26

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.641+/-0.361 χ^2/NDF: 3800.2/28

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

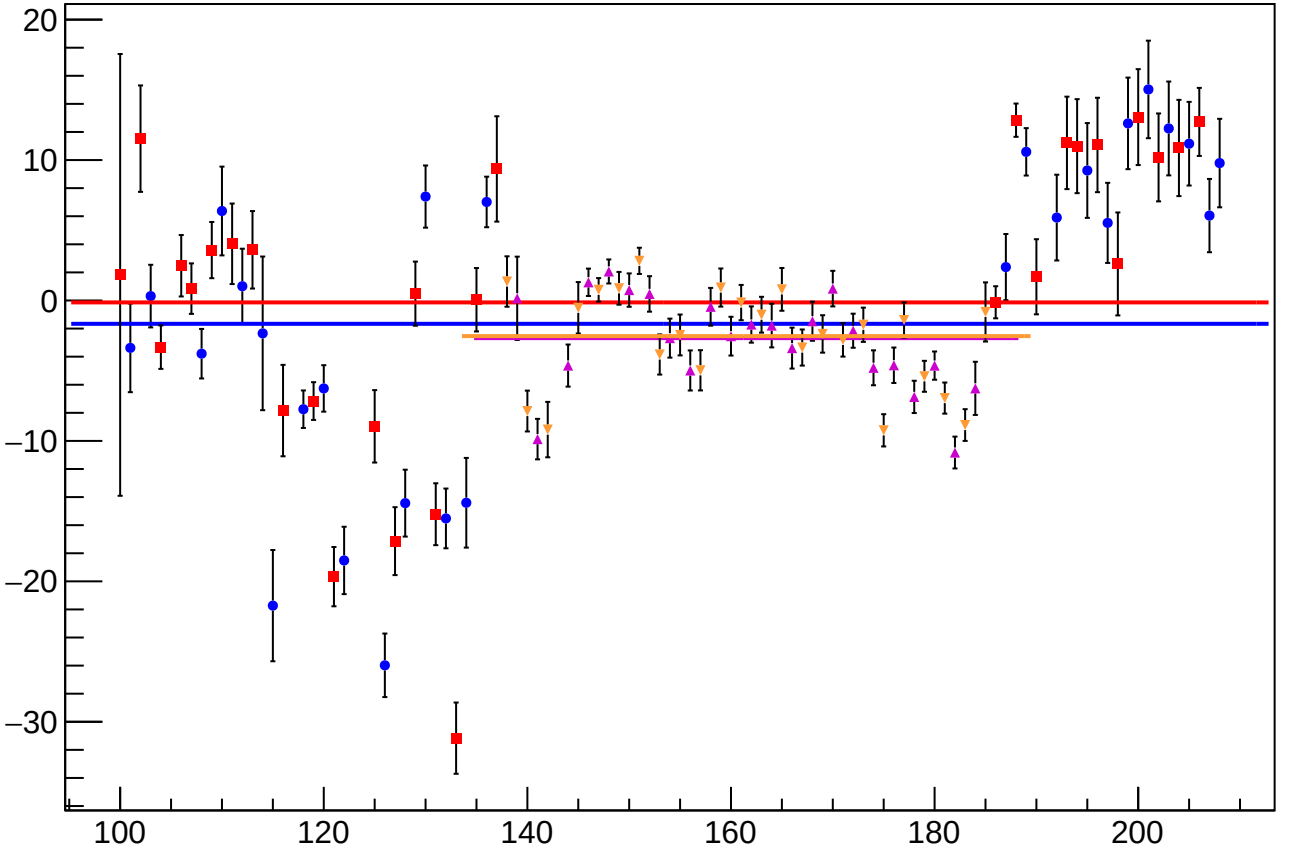
Right: -25.479+/-0.272 χ^2/NDF: 7848.8/55

In: -2.244+/-0.262 χ^2/NDF:13913.1/49

Out: -3.248+/-0.246 χ^2/NDF:13449.3/52

All: -2.778+/-0.179 χ^2/NDF: 27370.2/102

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.459 χ^2/NDF: 534.7/26

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.137+/-0.411 χ^2/NDF: 624.6/28

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

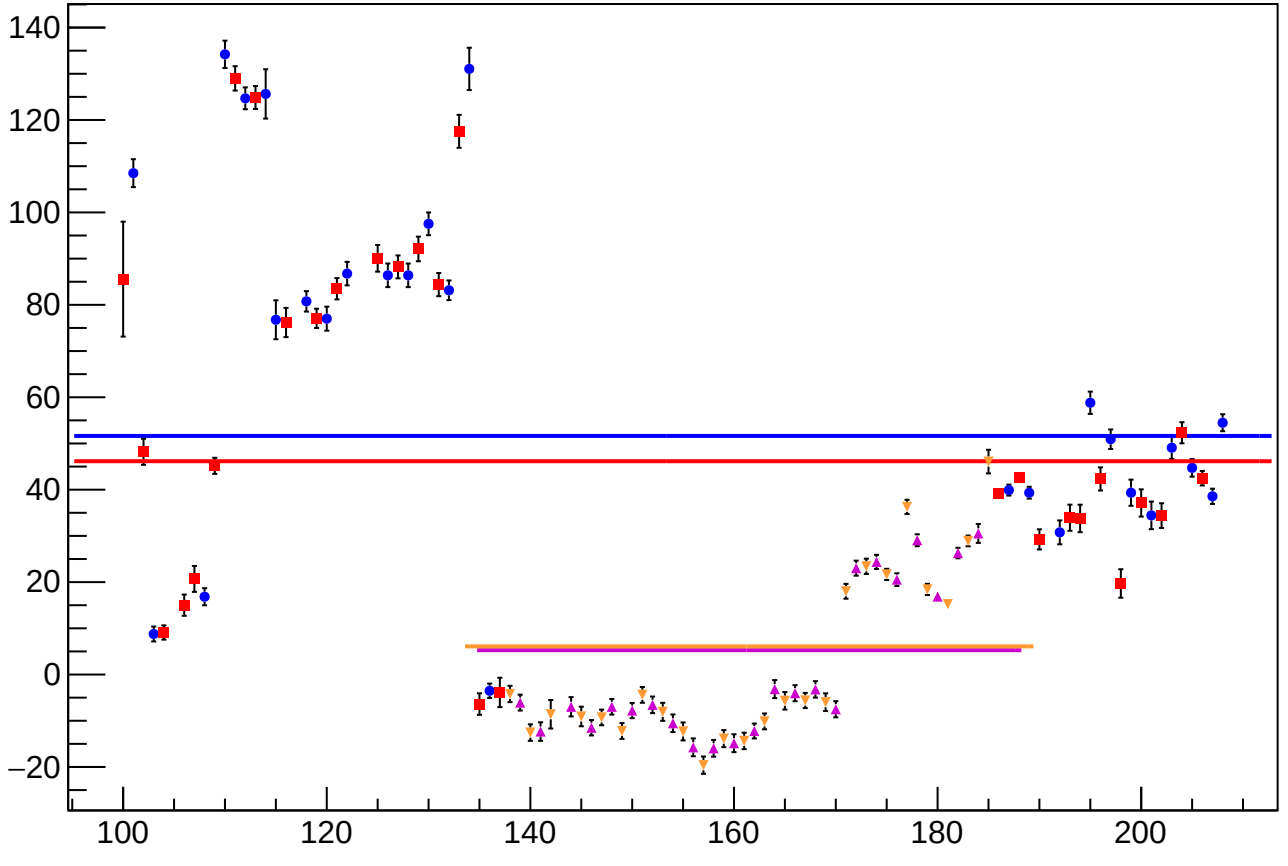
Right: -0.814+/-0.306 χ^2/NDF: 1165.5/55

In: -2.427+/-0.229 χ^2/NDF:720.4/49

Out: -1.855+/-0.219 χ^2/NDF:847.5/52

All: -2.127+/-0.158 χ^2/NDF: 1571.2/102

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 51.629+/-0.407 χ^2/NDF: 6730.7/26

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.163+/-0.343 χ^2/NDF: 5958.9/28

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

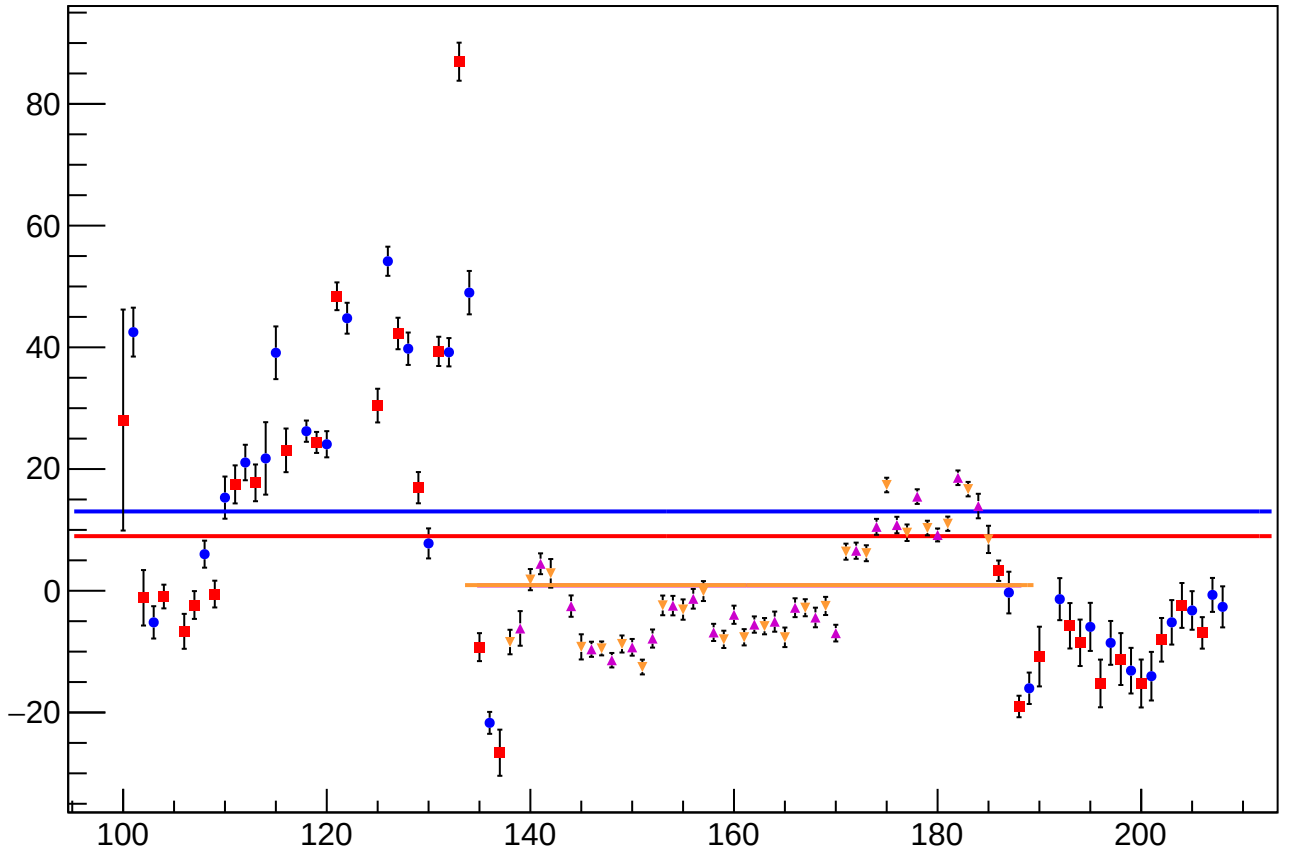
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 48.438+/-0.262 χ^2/NDF: 12795.2/55

In: 24.110+/-0.259 χ^2/NDF:16894.4/49

Out: 25.506+/-0.239 χ^2/NDF:15752.2/52

All: 24.865+/-0.176 χ^2/NDF: 32662.3/102



Right In: 13.034+/-0.540 χ^2/NDF: 1807.6/26

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 8.975+/-0.502 χ^2/NDF: 2165.5/28

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

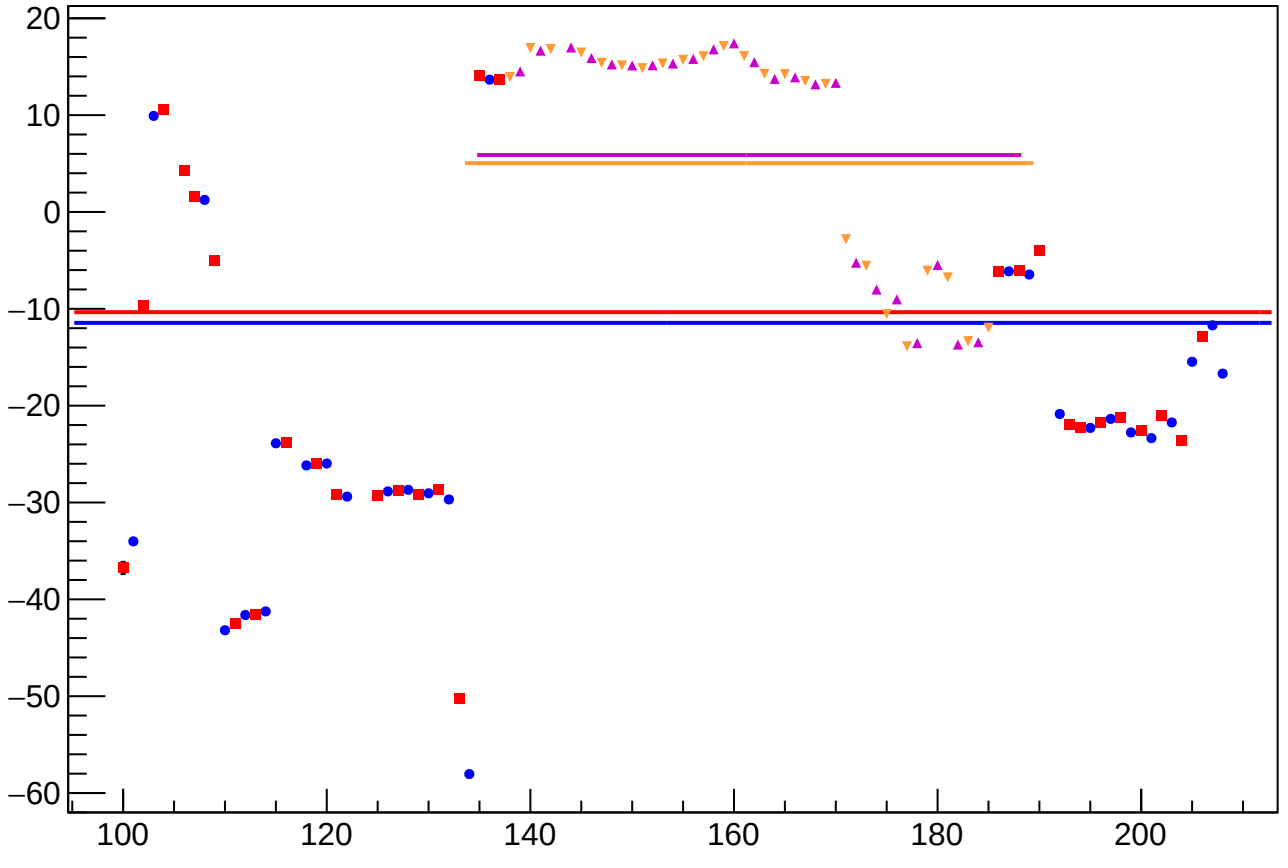
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 10.857+/-0.368 χ^2/NDF: 4003.4/55

In: 3.702+/-0.260 χ^2/NDF:3202.2/49

Out: 2.958+/-0.252 χ^2/NDF:3398.9/52

All: 3.318+/-0.181 χ^2/NDF: 6605.3/102



Right In: -11.451+/-0.025 χ^2/NDF: 489444.3/26

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -10.347+/-0.024 χ^2/NDF: 407371.3/28

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

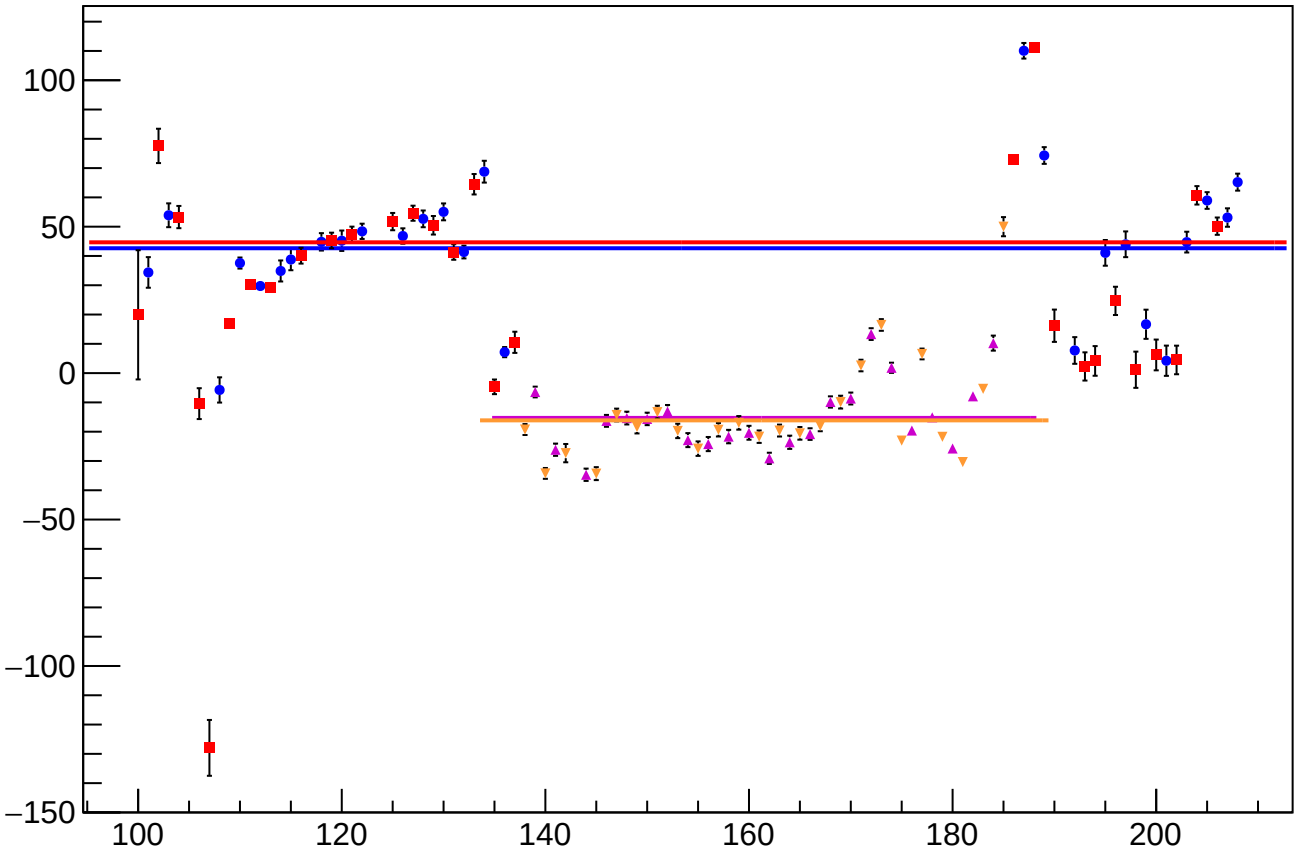
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.886+/-0.017 χ^2/NDF: 897833.2/55

In: 2.070+/-0.012 χ^2/NDF:1718543.3/49

Out: 1.563+/-0.011 χ^2/NDF:1576770.9/52

All: 1.814+/-0.008 χ^2/NDF: 3296278.8/102



Right In: 42.632+/-0.556 χ^2/NDF: 1730.6/26

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.657+/-0.515 χ^2/NDF: 4094.4/28

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

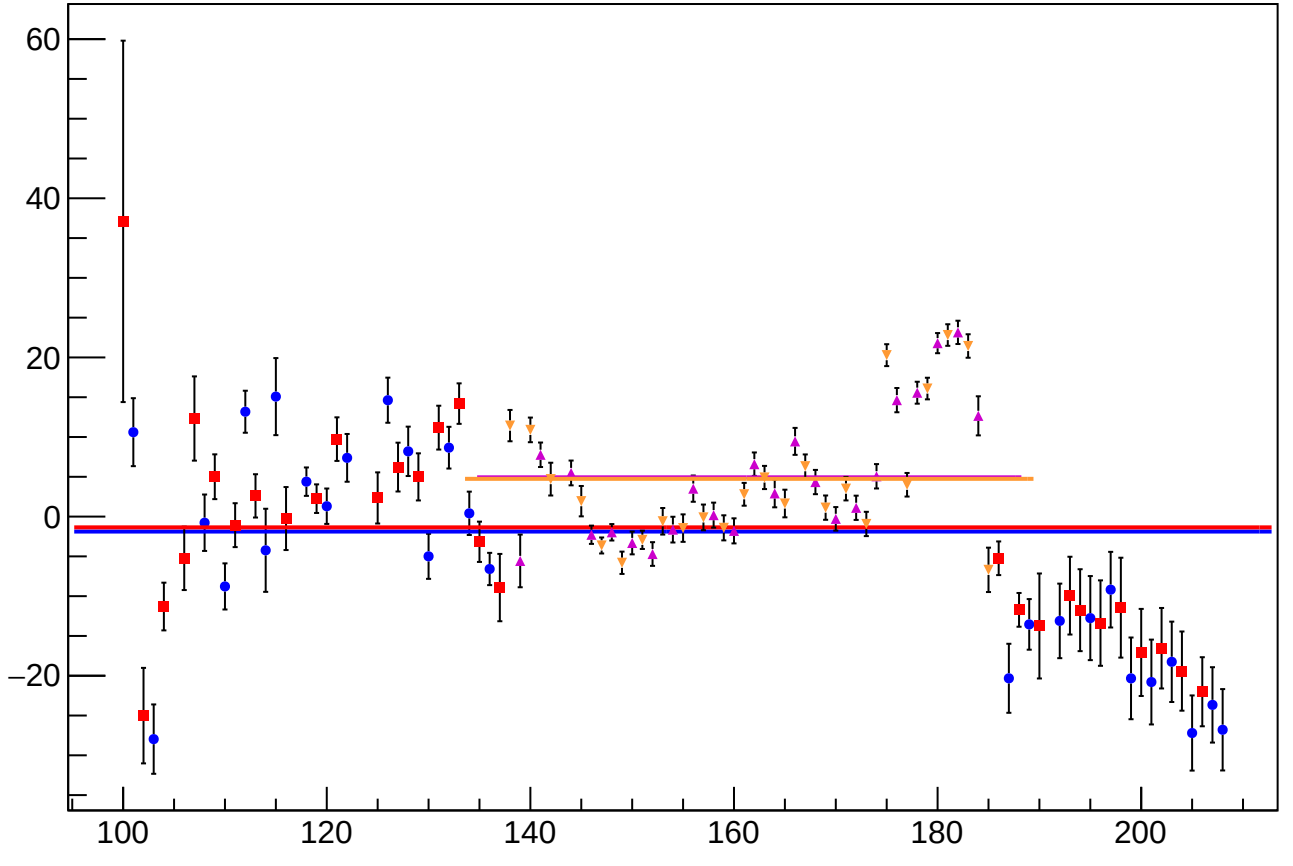
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 43.722+/-0.378 χ^2/NDF: 5832.1/55

In: 4.677+/-0.326 χ^2/NDF:9607.5/49

Out: 6.588+/-0.315 χ^2/NDF:14182.5/52

All: 5.667+/-0.227 χ^2/NDF: 23807.8/102



Right In: -1.881+/-0.626 χ^2/NDF: 340.5/26

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -1.353+/-0.605 χ^2/NDF: 237.2/28

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

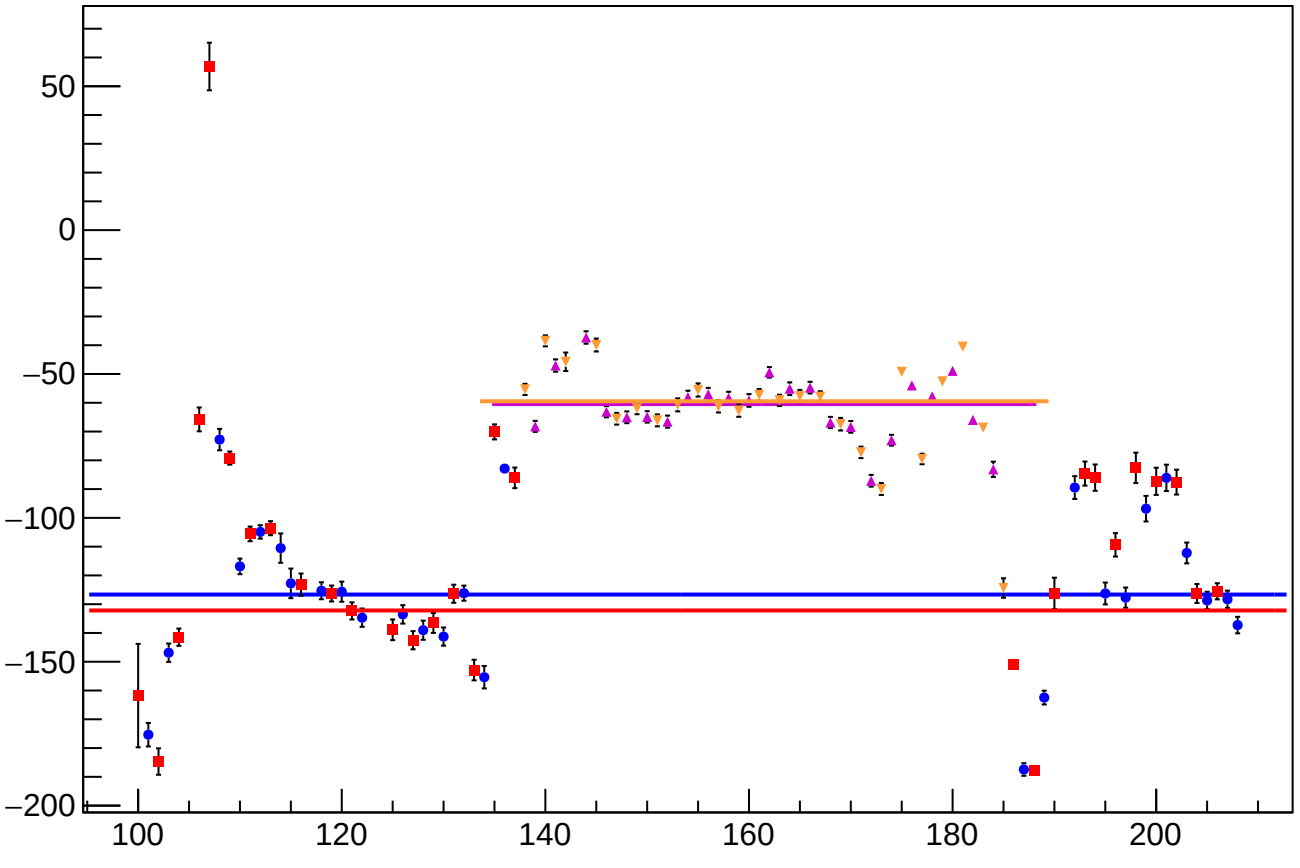
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -1.608+/-0.435 χ^2/NDF: 578.1/55

In: 3.573+/-0.280 χ^2/NDF:1123.6/49

Out: 3.500+/-0.273 χ^2/NDF:1111.8/52

All: 3.536+/-0.196 χ^2/NDF: 2235.4/102



Right In: -126.650+/-0.591 χ^2/NDF: 2463.3/26

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -132.181+/-0.536 χ^2/NDF: 5325.2/28

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

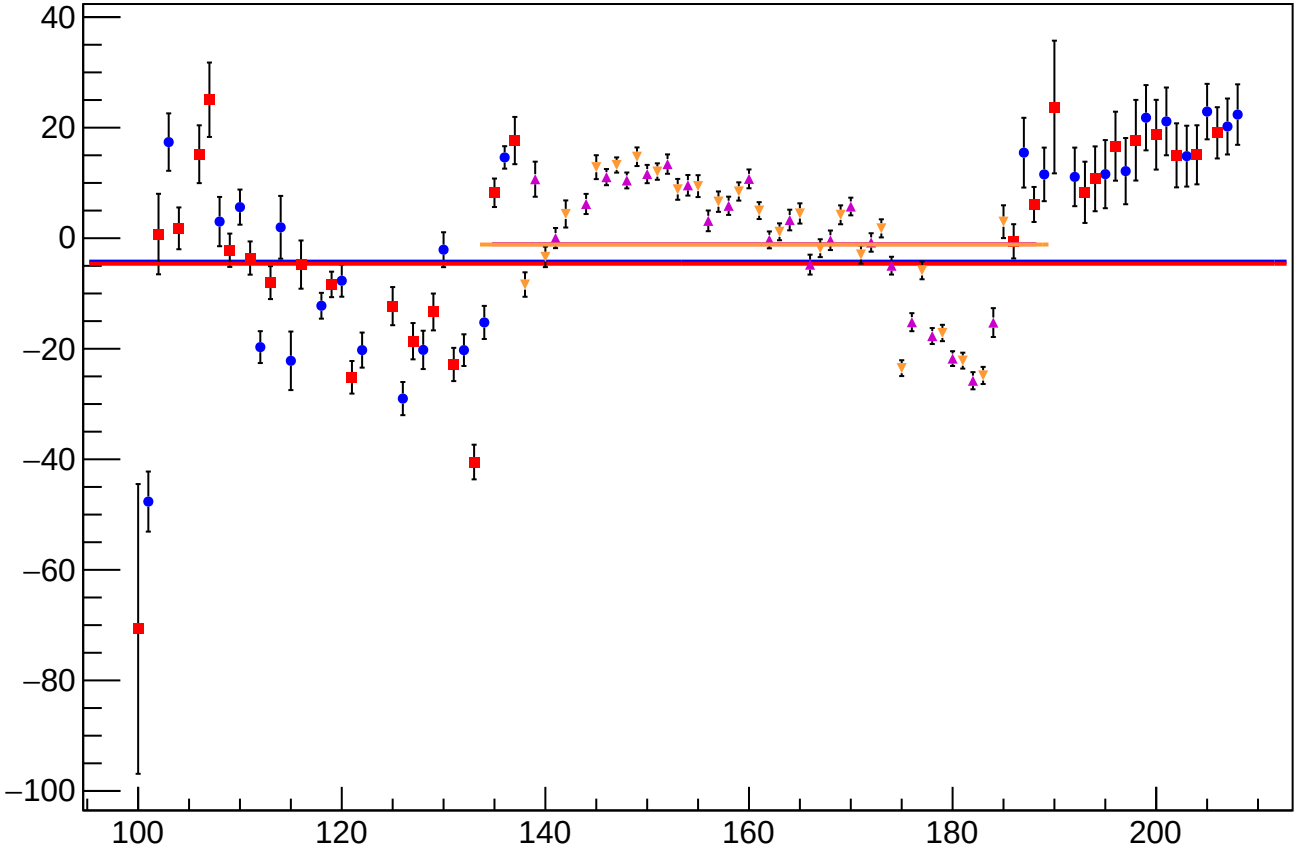
Right: -129.687+/-0.397 χ^2/NDF: 7836.6/55

In: -81.188+/-0.331 χ^2/NDF:11741.1/49

Out: -85.075+/-0.318 χ^2/NDF:18628.3/52

All: -83.210+/-0.229 χ^2/NDF: 30441.1/102

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.237+/-0.718 χ^2/NDF: 561.8/26

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -4.619+/-0.711 χ^2/NDF: 463.2/28

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

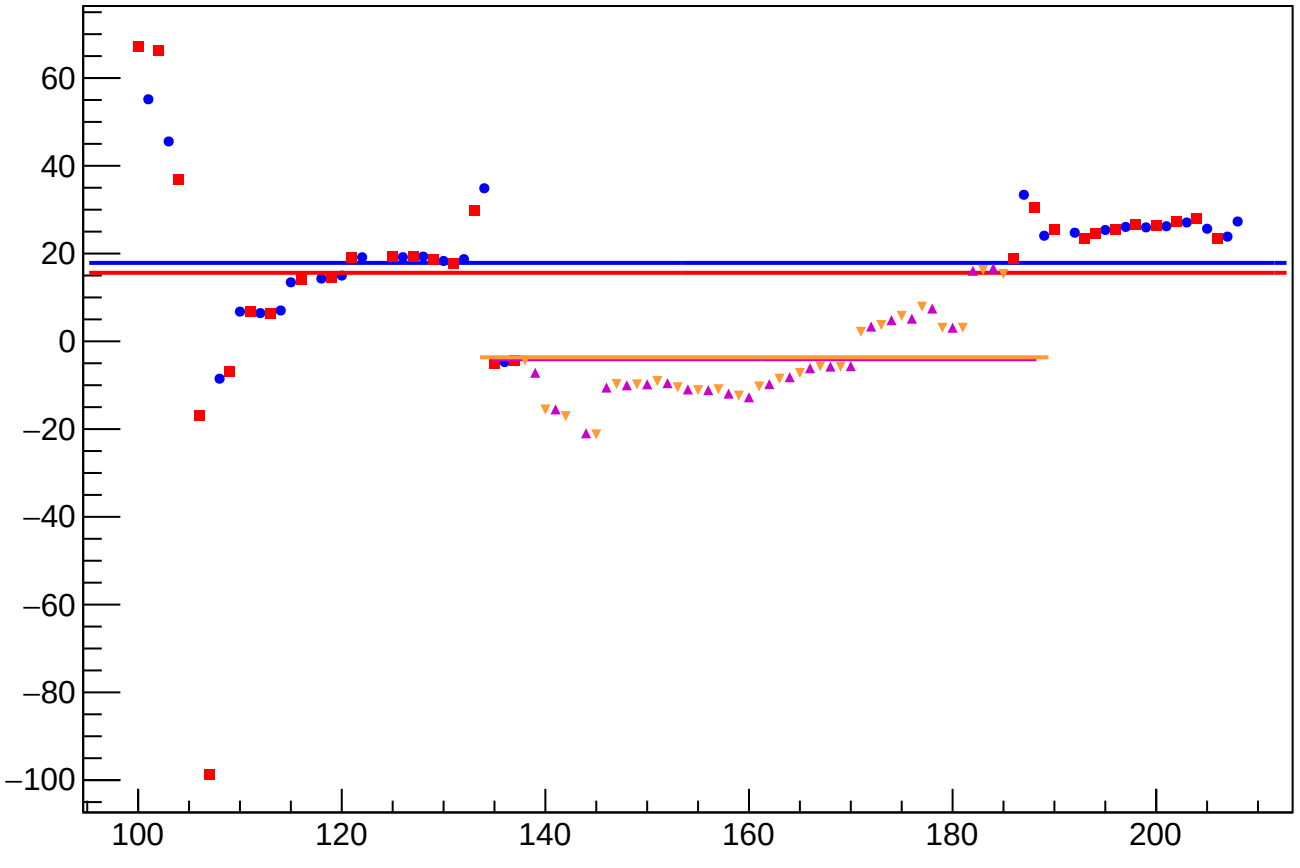
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -4.430+/-0.506 χ^2/NDF: 1025.1/55

In: -1.692+/-0.316 χ^2/NDF:1734.7/49

Out: -1.808+/-0.311 χ^2/NDF:1785.5/52

All: -1.751+/-0.222 χ^2/NDF: 3520.3/102



Right In: 17.877+/-0.036 χ^2/NDF: 211514.2/26

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.620+/-0.037 χ^2/NDF: 343148.5/28

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

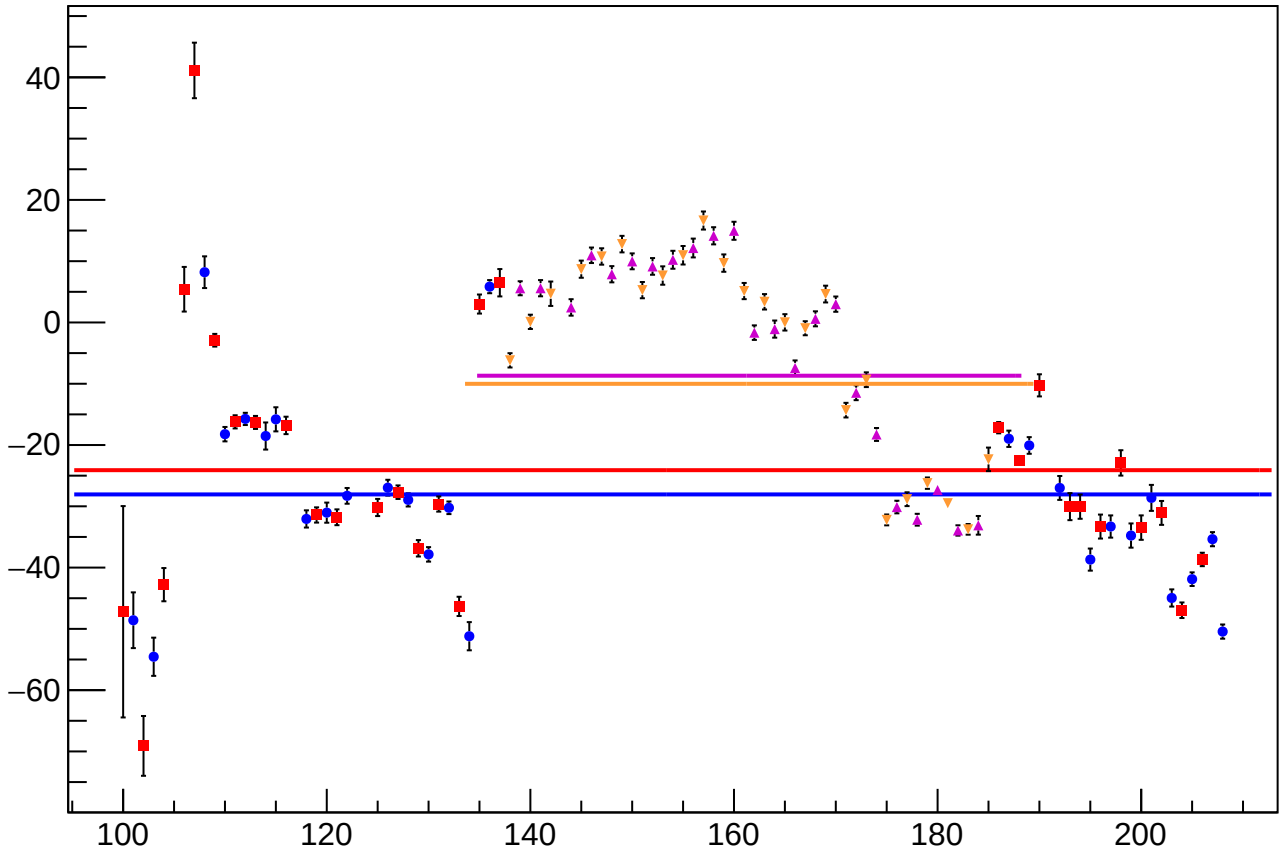
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 16.763+/-0.026 χ^2/NDF: 556576.5/55

In: -0.682+/-0.014 χ^2/NDF:855289.4/49

Out: -0.741+/-0.014 χ^2/NDF:922766.7/52

All: -0.712+/-0.010 χ^2/NDF: 1778064.7/102



Right In: -28.060+/-0.273 χ^2/NDF: 2602.7/26

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -24.104+/-0.264 χ^2/NDF: 2557.2/28

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

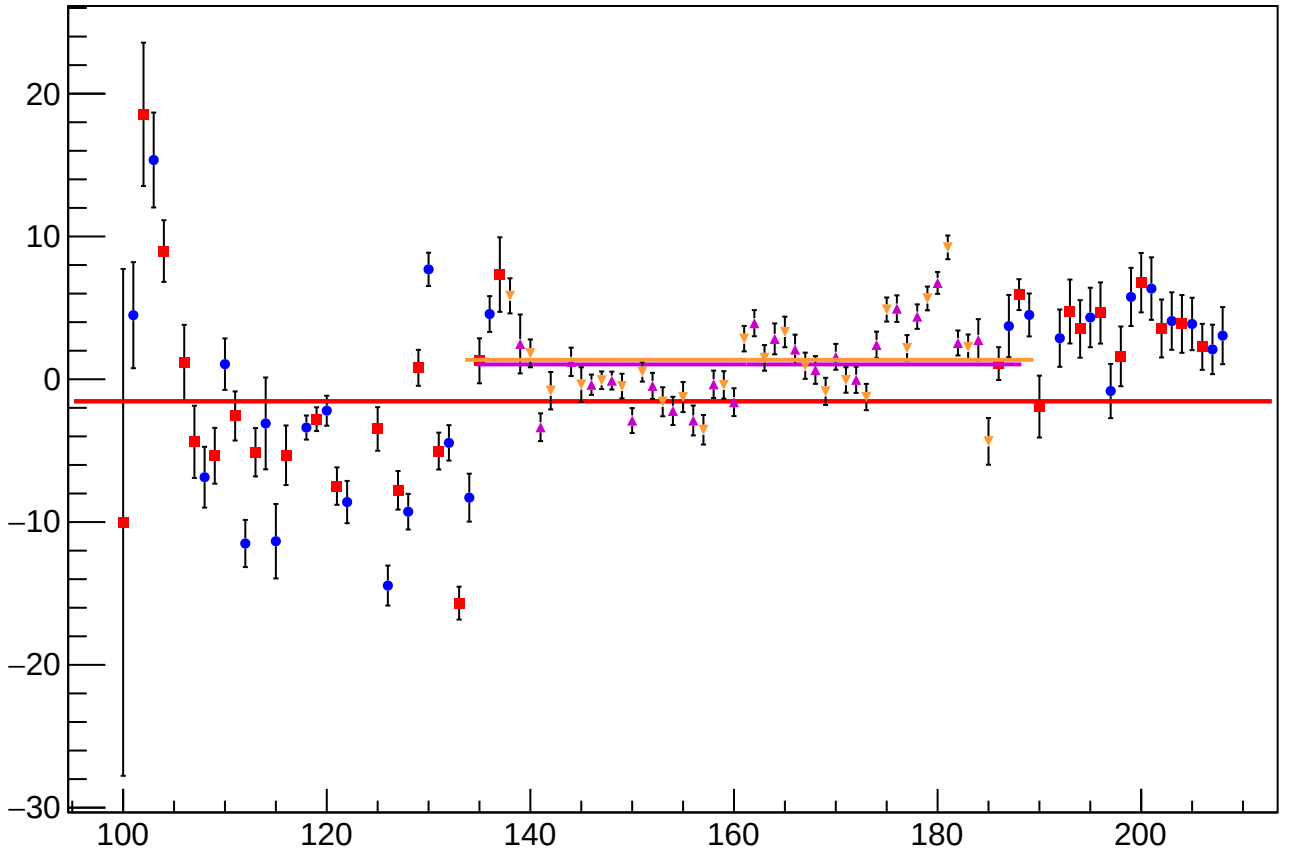
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -26.013+/-0.190 χ^2/NDF: 5268.6/55

In: -17.434+/-0.183 χ^2/NDF:10386.1/49

Out: -16.522+/-0.179 χ^2/NDF:9071.1/52

All: -16.967+/-0.128 χ^2/NDF: 19469.8/102



Right In: -1.542+/-0.307 χ^2/NDF: 434.2/26

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.543+/-0.300 χ^2/NDF: 389.2/28

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

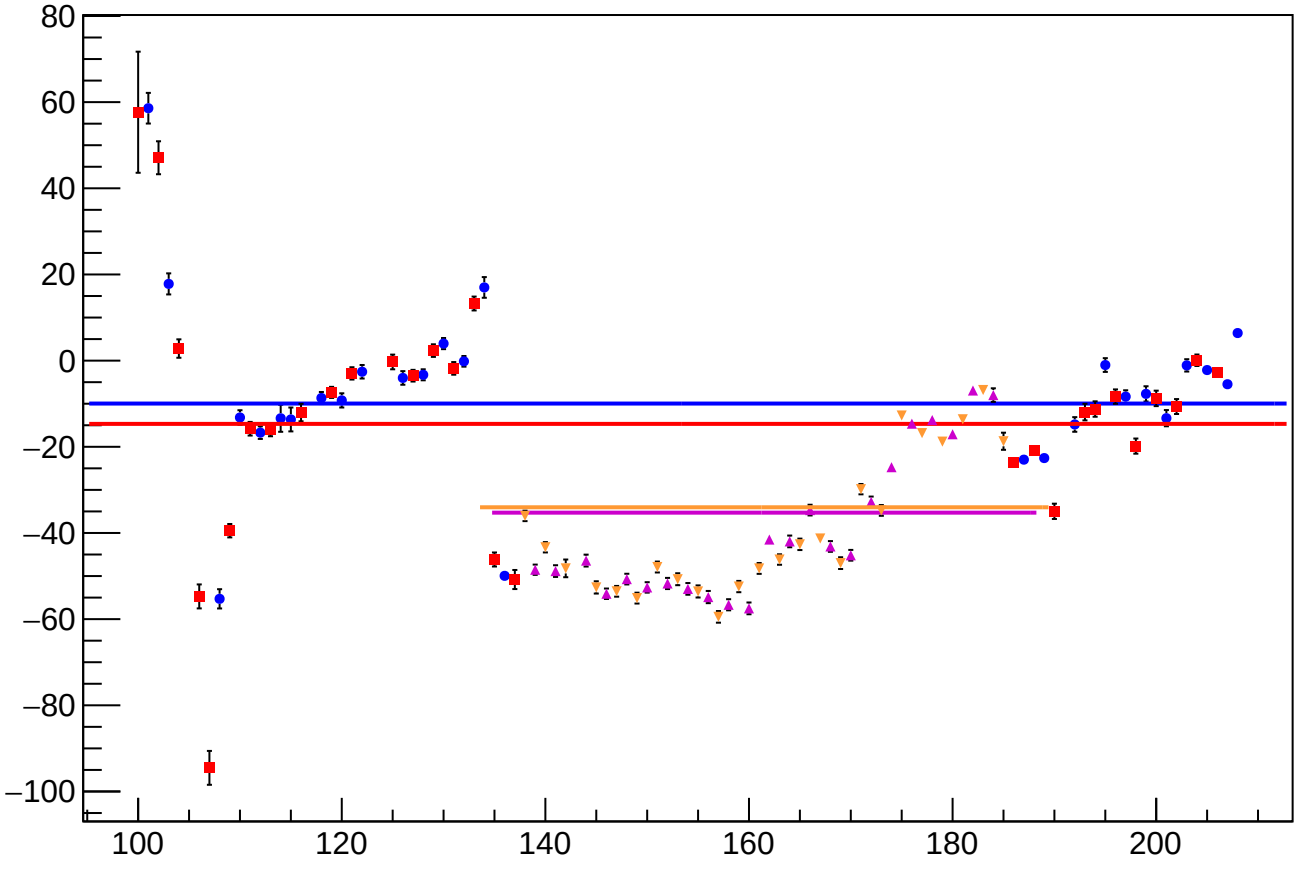
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.542+/-0.215 χ^2/NDF: 823.4/55

In: 0.313+/-0.163 χ^2/NDF:681.0/49

Out: 0.541+/-0.160 χ^2/NDF:696.7/52

All: 0.430+/-0.114 χ^2/NDF: 1378.7/102



Right In: -9.962+/-0.286 χ^2/NDF: 3282.5/26

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -14.681+/-0.267 χ^2/NDF: 3307.2/28

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

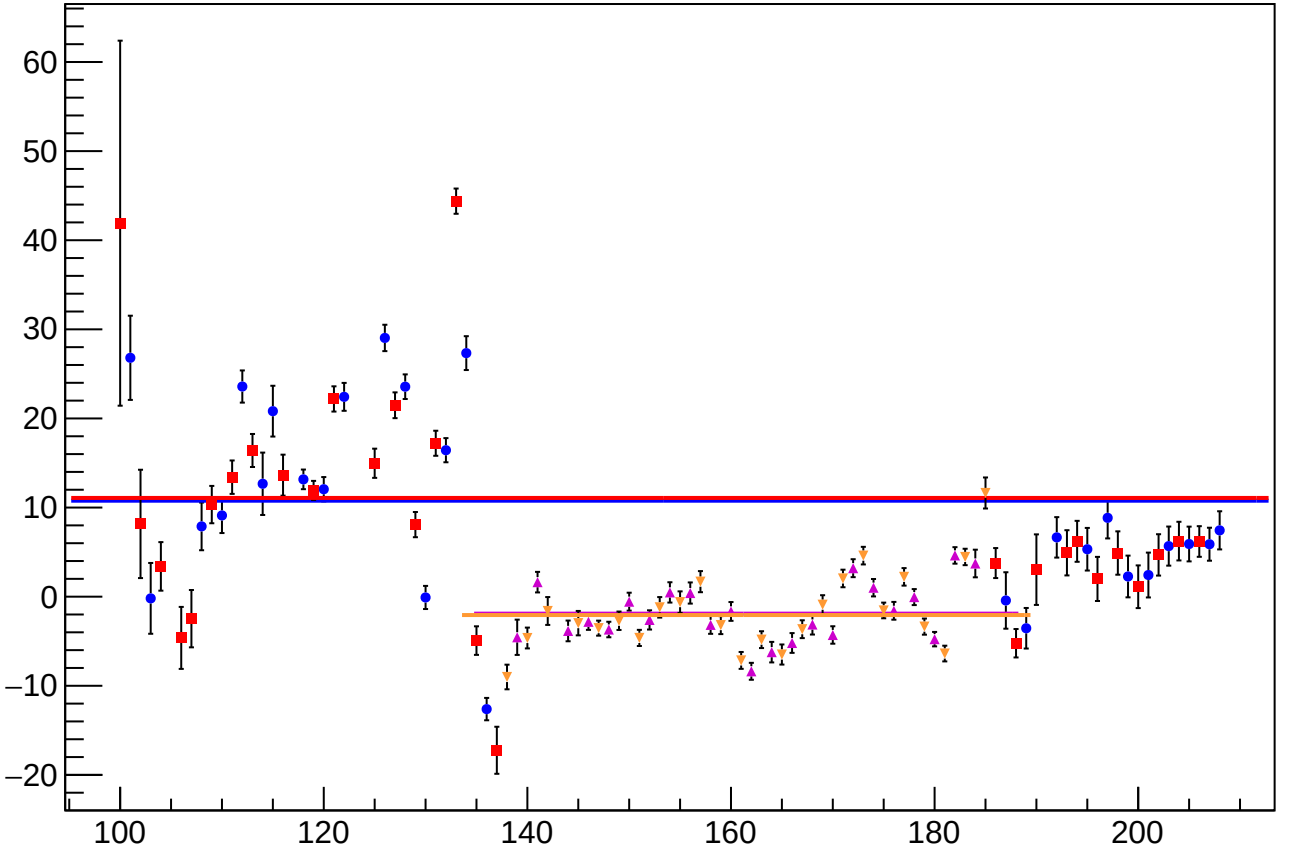
Right: -12.477+/-0.195 χ^2/NDF: 6735.3/55

In: -24.525+/-0.186 χ^2/NDF:12804.1/49

Out: -25.297+/-0.180 χ^2/NDF:11148.2/52

All: -24.925+/-0.129 χ^2/NDF: 23961.3/102

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.770+/-0.354 χ^2/NDF: 1000.4/26

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 11.080+/-0.354 χ^2/NDF: 1166.9/28

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

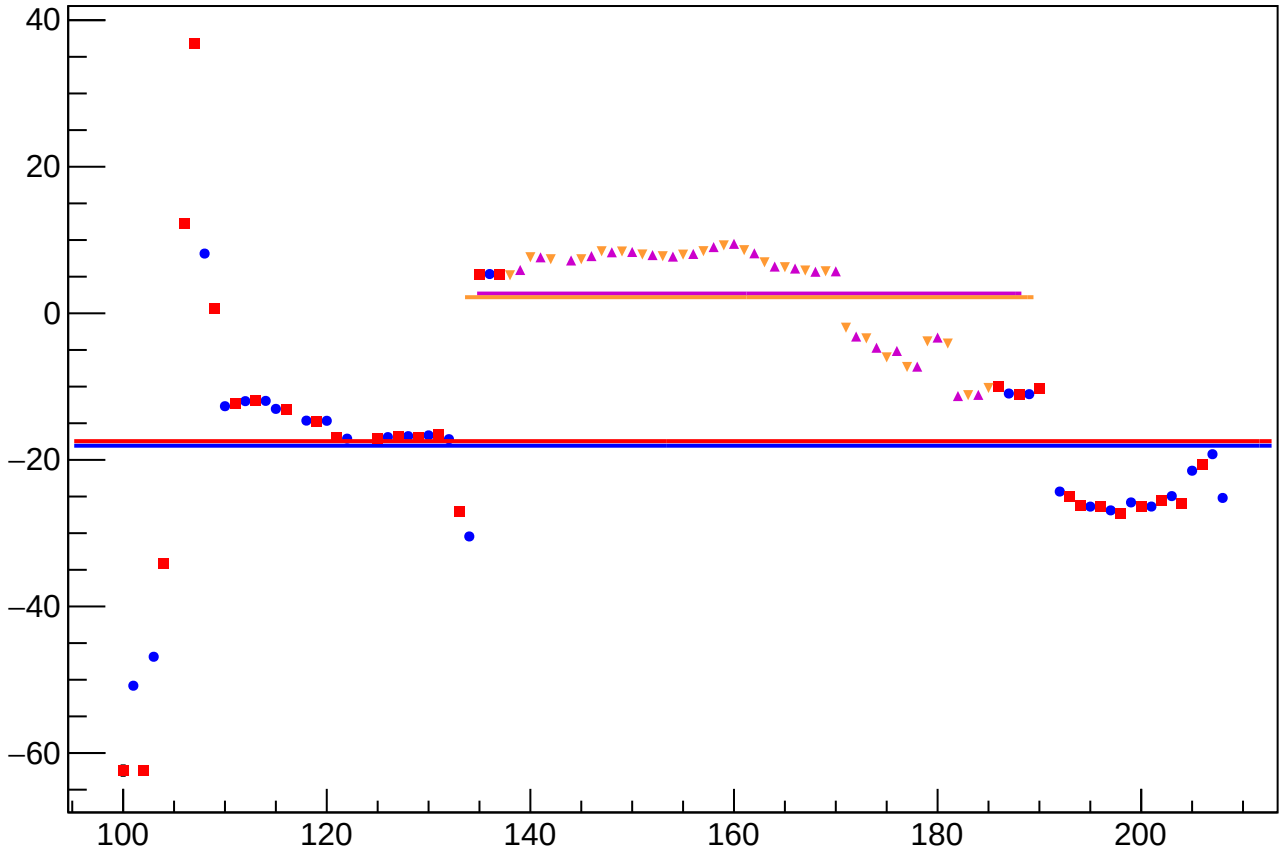
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.925+/-0.250 χ^2/NDF: 2167.7/55

In: 1.540+/-0.184 χ^2/NDF:2156.7/49

Out: 1.419+/-0.182 χ^2/NDF:2514.8/52

All: 1.478+/-0.130 χ^2/NDF: 4671.7/102



Right In: -18.064+/-0.018 χ^2/NDF: 505477.5/26

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.443+/-0.018 χ^2/NDF: 583087.2/28

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

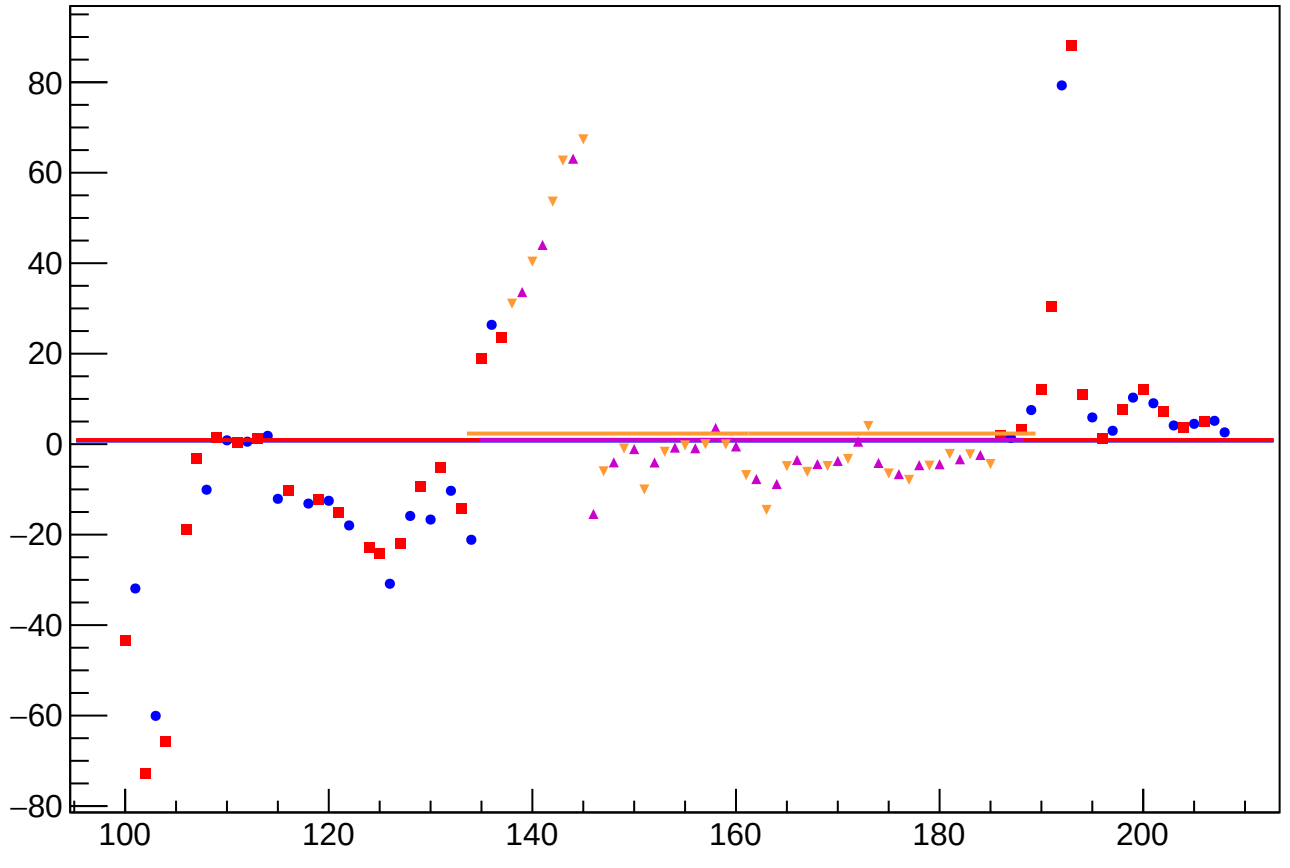
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -17.755+/-0.013 χ^2/NDF: 1089175.0/55

In: -1.977+/-0.008 χ^2/NDF:2066893.2/49

Out: -2.144+/-0.008 χ^2/NDF:2037416.0/52

All: -2.061+/-0.006 χ^2/NDF: 4104505.7/102



Right In: 0.795+/-0.039 χ^2/NDF: 119573.8/26

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.905+/-0.036 χ^2/NDF: 120624.0/30

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

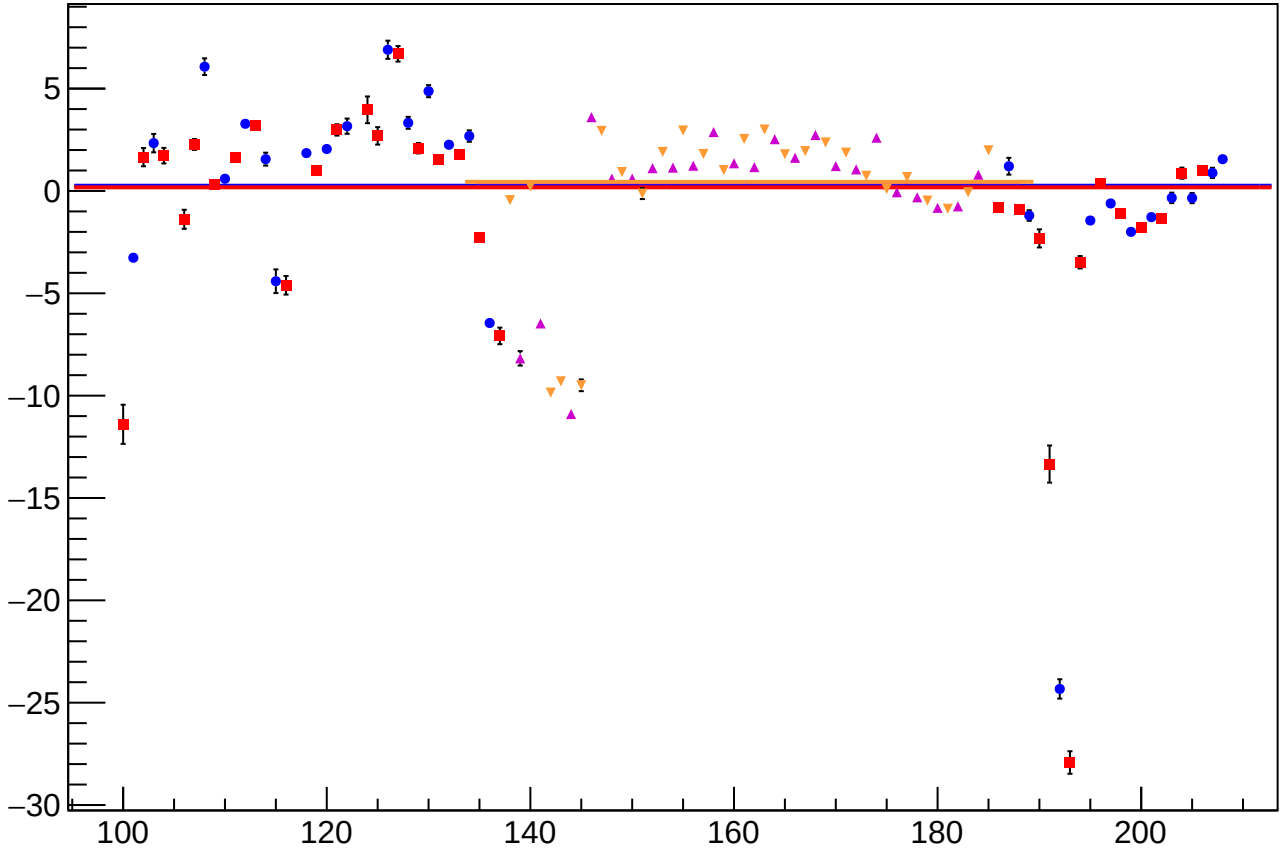
Right: 0.855+/-0.026 χ^2/NDF: 240202.0/57

In: 0.875+/-0.028 χ^2/NDF:252102.0/49

Out: 1.540+/-0.027 χ^2/NDF:298320.2/55

All: 1.222+/-0.019 χ^2/NDF: 550717.2/105

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.255+/-0.047 χ^2/NDF: 5862.5/26

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.178+/-0.045 χ^2/NDF: 5090.8/30

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

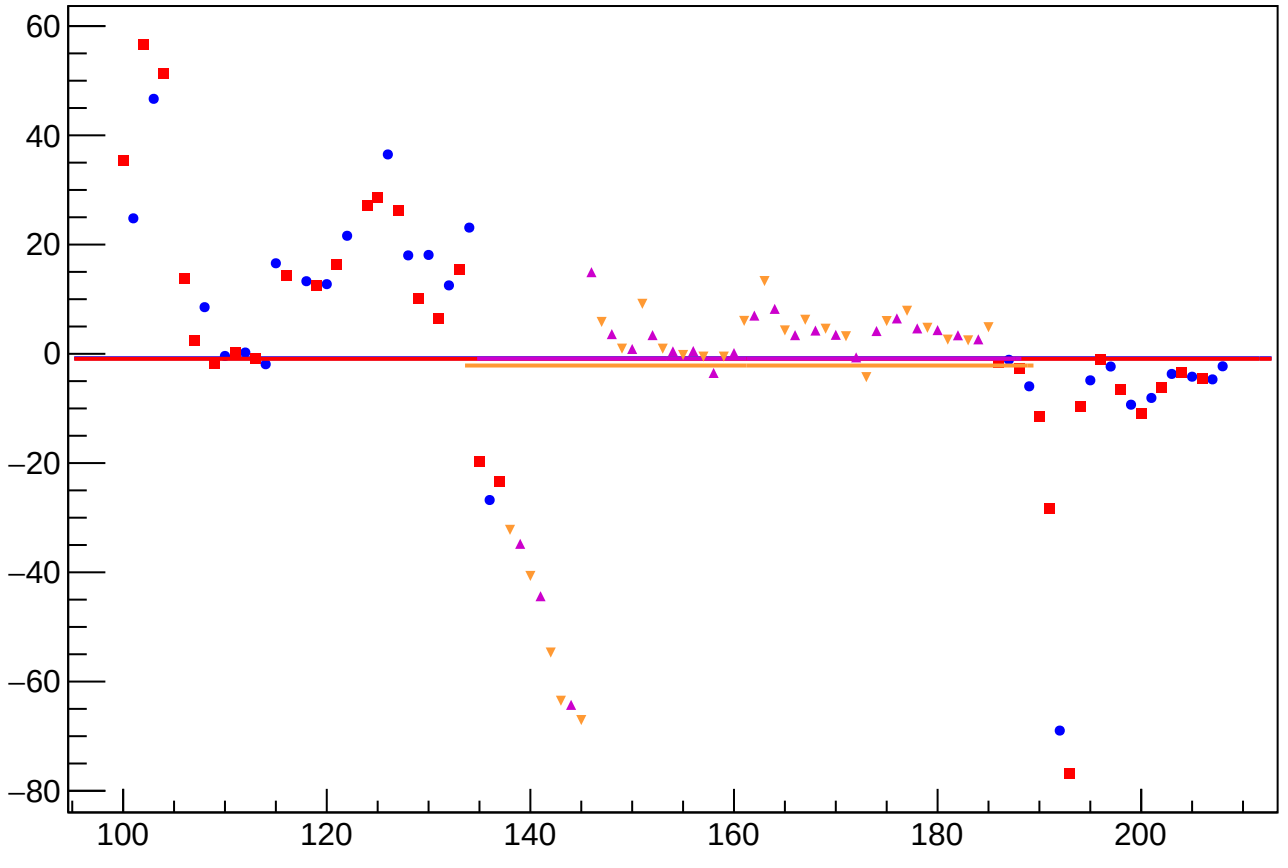
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.215+/-0.032 χ^2/NDF: 10954.7/57

In: 0.373+/-0.026 χ^2/NDF:12974.2/49

Out: 0.352+/-0.026 χ^2/NDF:12158.5/55

All: 0.363+/-0.019 χ^2/NDF: 25133.0/105



Right In: -0.813+/-0.040 χ^2/NDF: 118359.0/26

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.915+/-0.038 χ^2/NDF: 118926.7/30

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

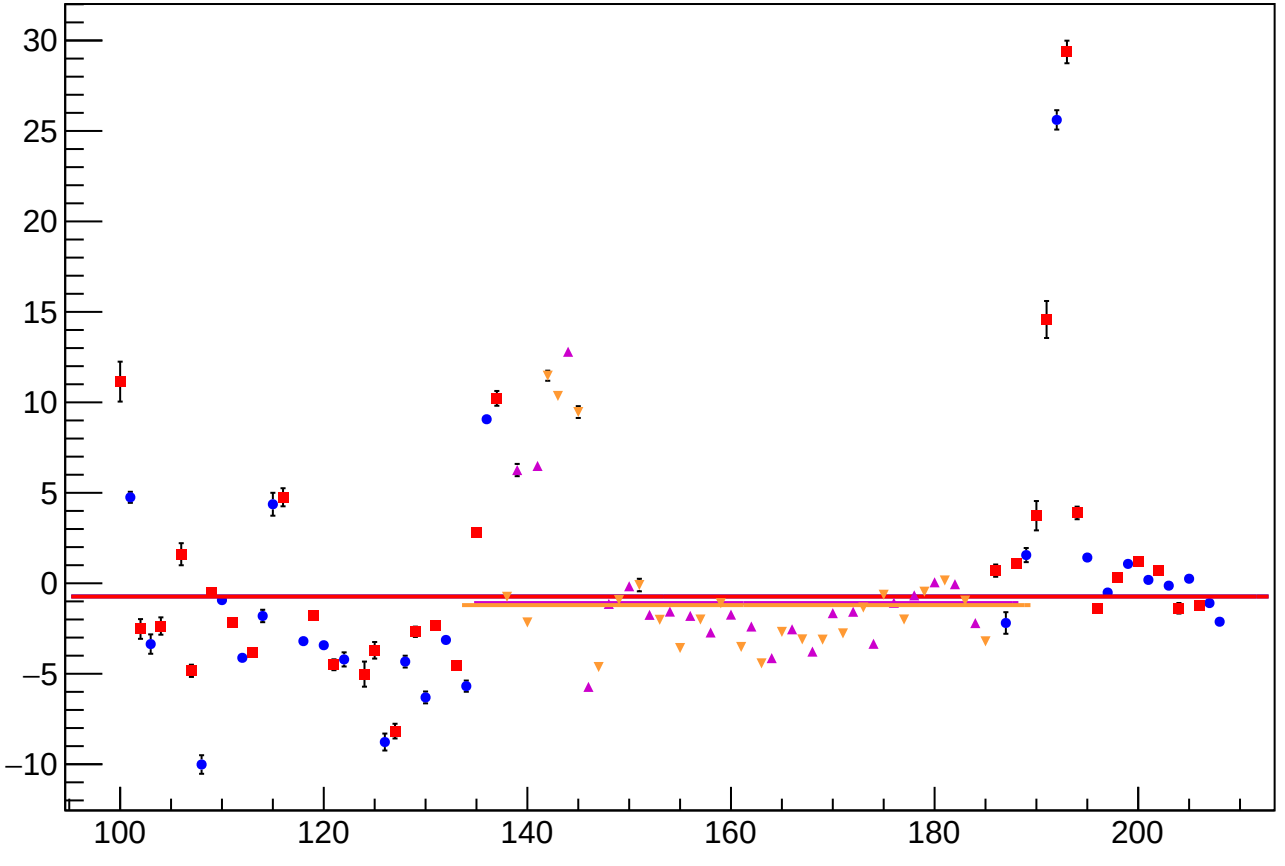
Right: -0.867+/-0.028 χ^2/NDF: 237289.2/57

In: -0.848+/-0.028 χ^2/NDF:247558.3/49

Out: -1.493+/-0.028 χ^2/NDF:290690.6/55

All: -1.177+/-0.020 χ^2/NDF: 538515.7/105

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.725+/-0.054 χ^2/NDF: 7353.0/26

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.734+/-0.052 χ^2/NDF: 5610.9/30

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

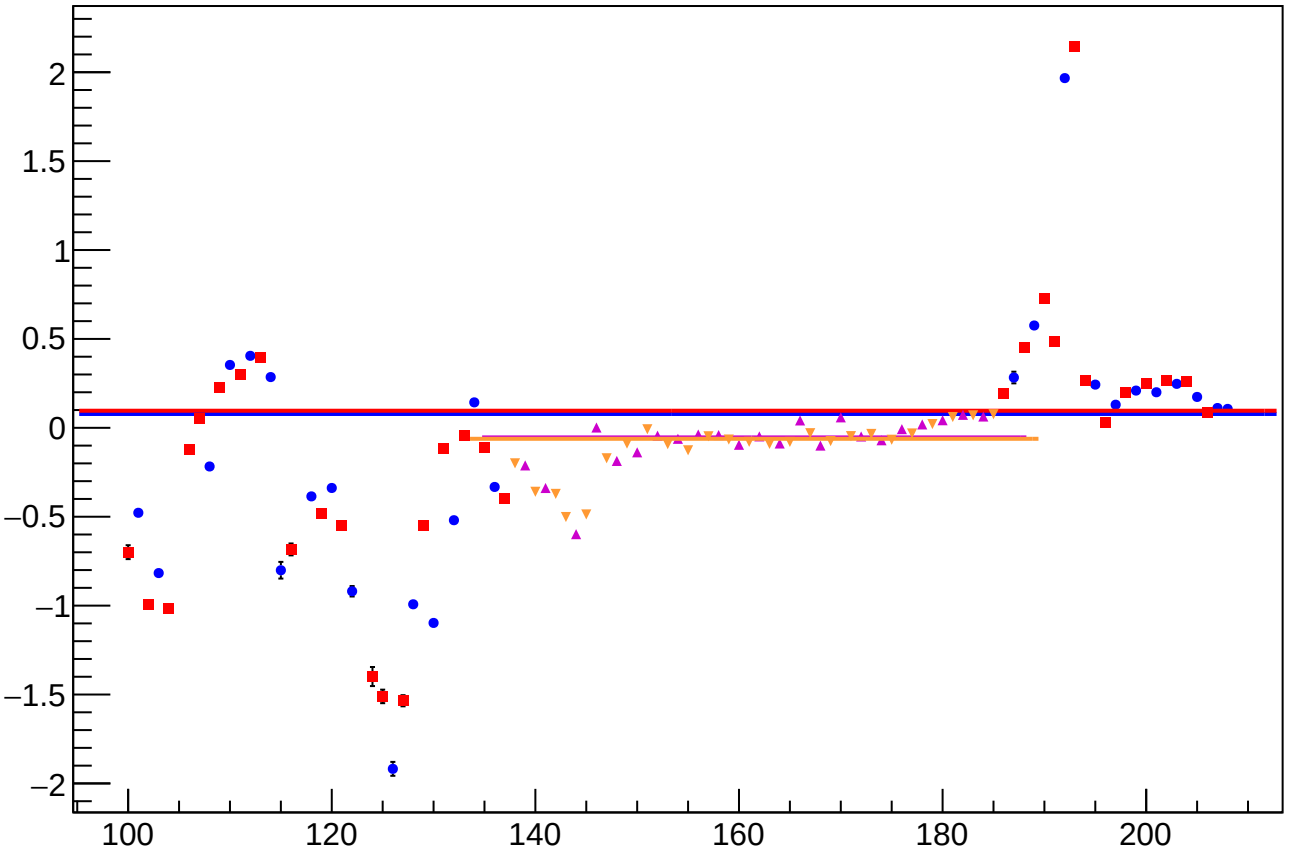
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.730+/-0.037 χ^2/NDF: 12963.9/57

In: -0.985+/-0.029 χ^2/NDF:14415.1/49

Out: -1.051+/-0.030 χ^2/NDF:12669.4/55

All: -1.017+/-0.021 χ^2/NDF: 27087.0/105



Right In: 0.078+/-0.002 χ^2/NDF: 34006.7/26

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.096+/-0.002 χ^2/NDF: 34639.8/30

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

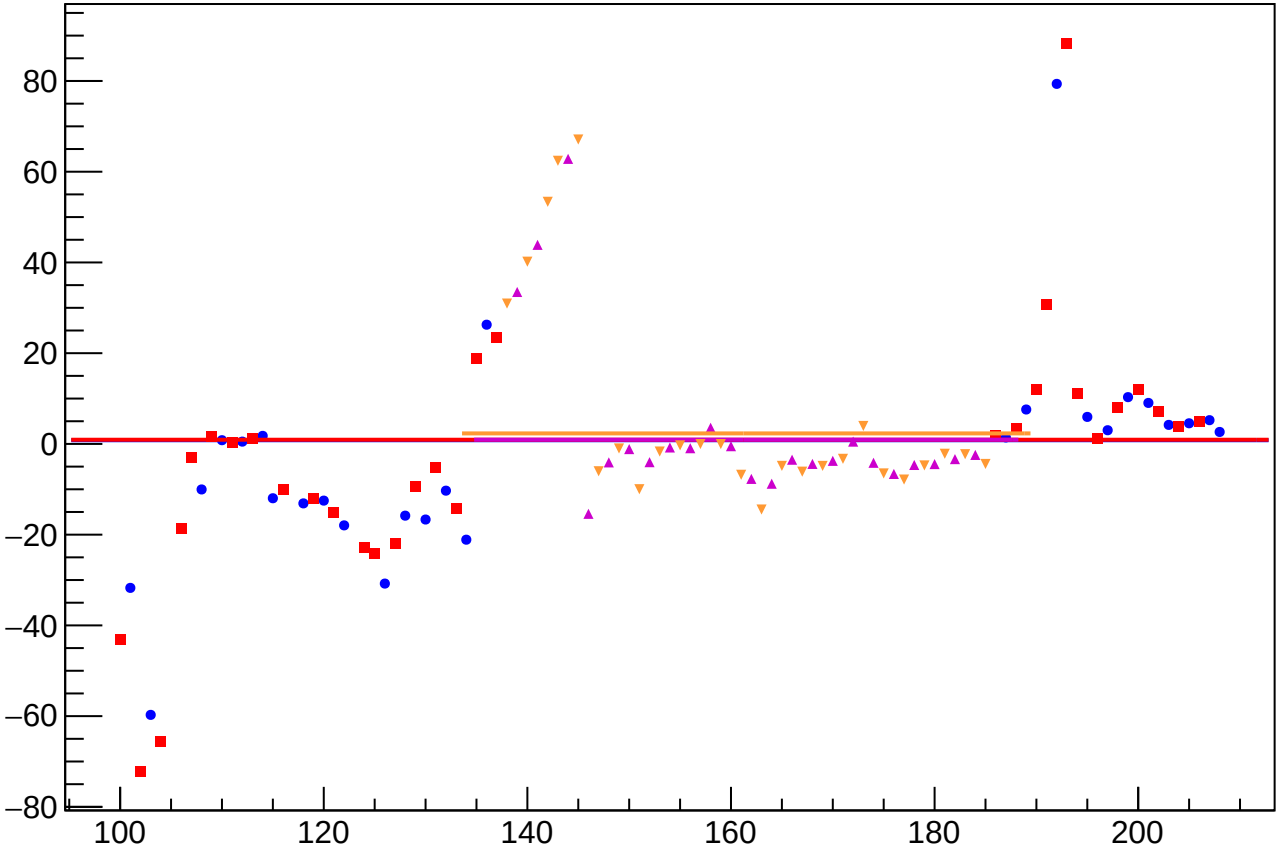
Right: 0.087+/-0.002 χ^2/NDF: 68676.3/57

In: -0.017+/-0.001 χ^2/NDF:41228.2/49

Out: -0.013+/-0.001 χ^2/NDF:43435.3/55

All: -0.015+/-0.001 χ^2/NDF: 84668.7/105

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.814+/-0.039 χ^2/NDF: 120072.1/26

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.922+/-0.036 χ^2/NDF: 121171.7/30

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

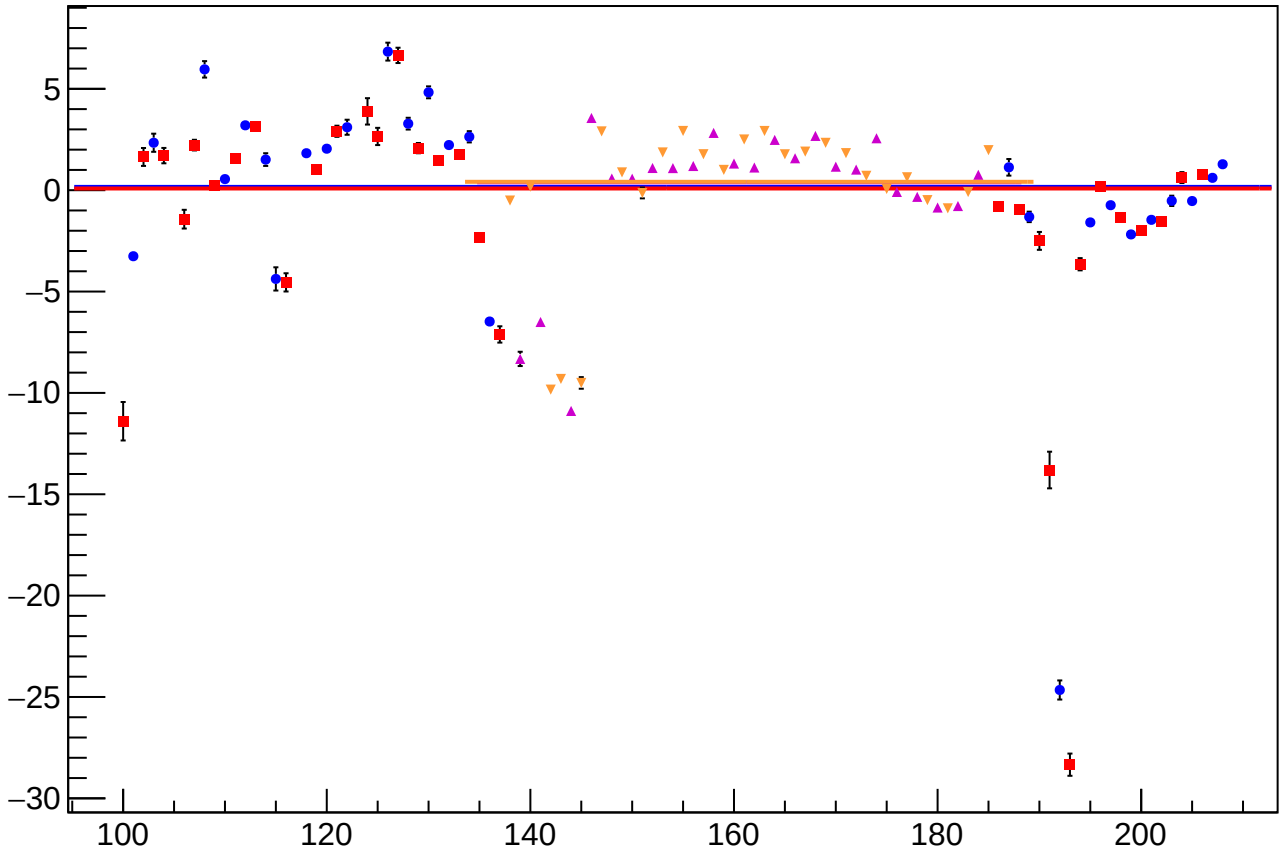
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.873+/-0.026 χ^2/NDF: 241248.0/57

In: 0.873+/-0.028 χ^2/NDF:252482.2/49

Out: 1.537+/-0.027 χ^2/NDF:298594.7/55

All: 1.220+/-0.019 χ^2/NDF: 551373.4/105



Right In: 0.163+/-0.046 χ^2/NDF: 5987.1/26

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.084+/-0.044 χ^2/NDF: 5254.7/30

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

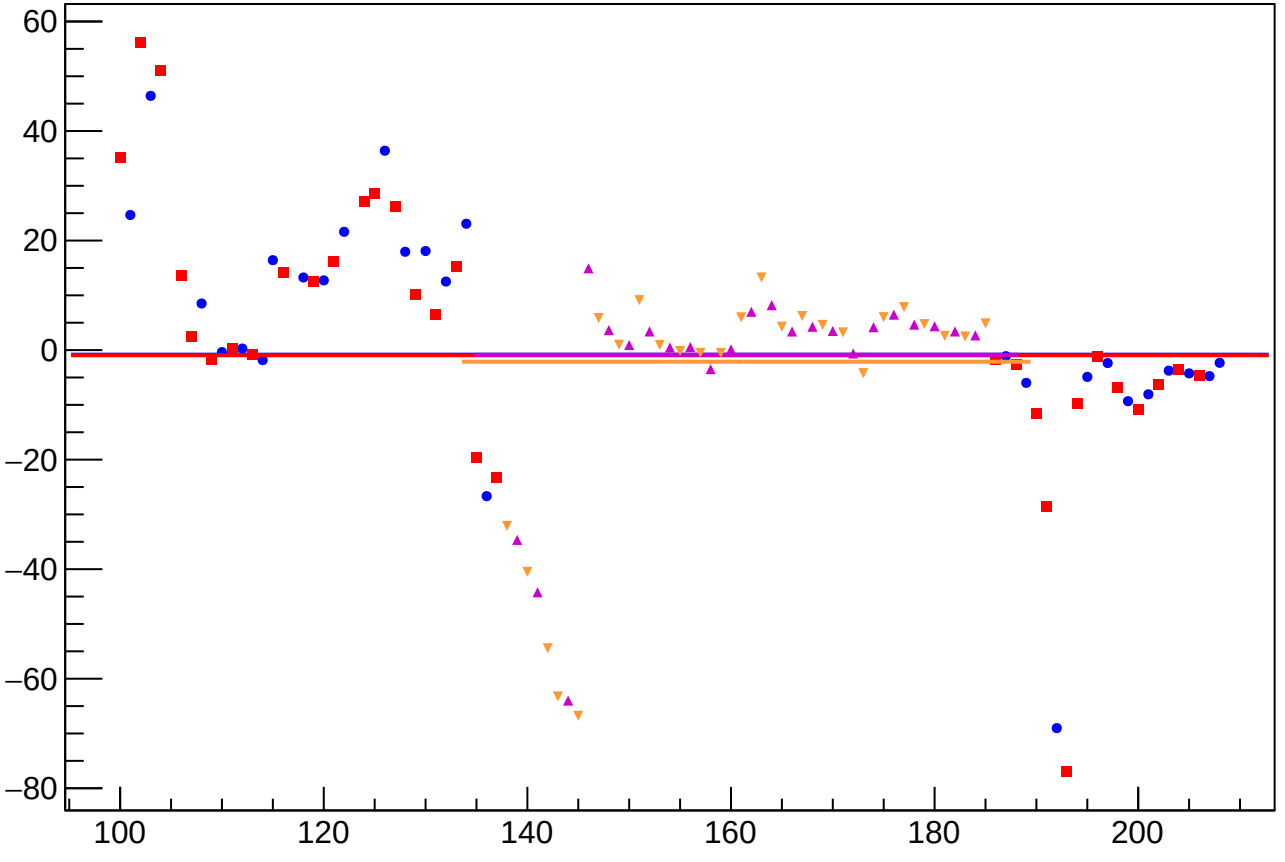
Right: 0.122+/-0.032 χ^2/NDF: 11243.3/57

In: 0.318+/-0.026 χ^2/NDF:13117.7/49

Out: 0.298+/-0.026 χ^2/NDF:12337.5/55

All: 0.308+/-0.018 χ^2/NDF: 25455.5/105

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.837+/-0.040 χ^2/NDF: 118824.9/26

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.940+/-0.038 χ^2/NDF: 119450.1/30

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

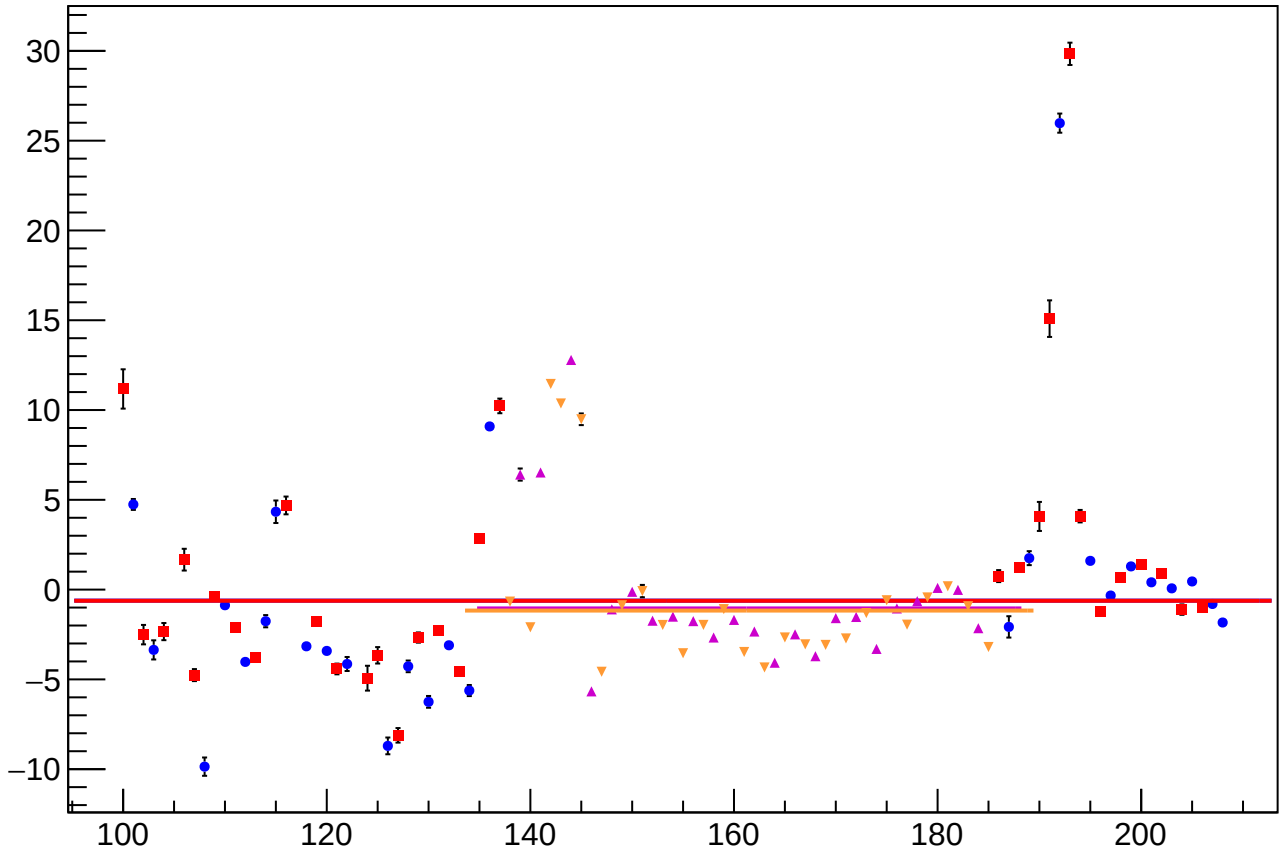
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.892+/-0.028 χ^2/NDF: 238278.5/57

In: -0.848+/-0.028 χ^2/NDF:247910.0/49

Out: -1.493+/-0.027 χ^2/NDF:290949.1/55

All: -1.178+/-0.020 χ^2/NDF: 539128.1/105



Right In: -0.613+/-0.054 χ^2/NDF: 7461.3/26

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.622+/-0.052 χ^2/NDF: 5766.0/30

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

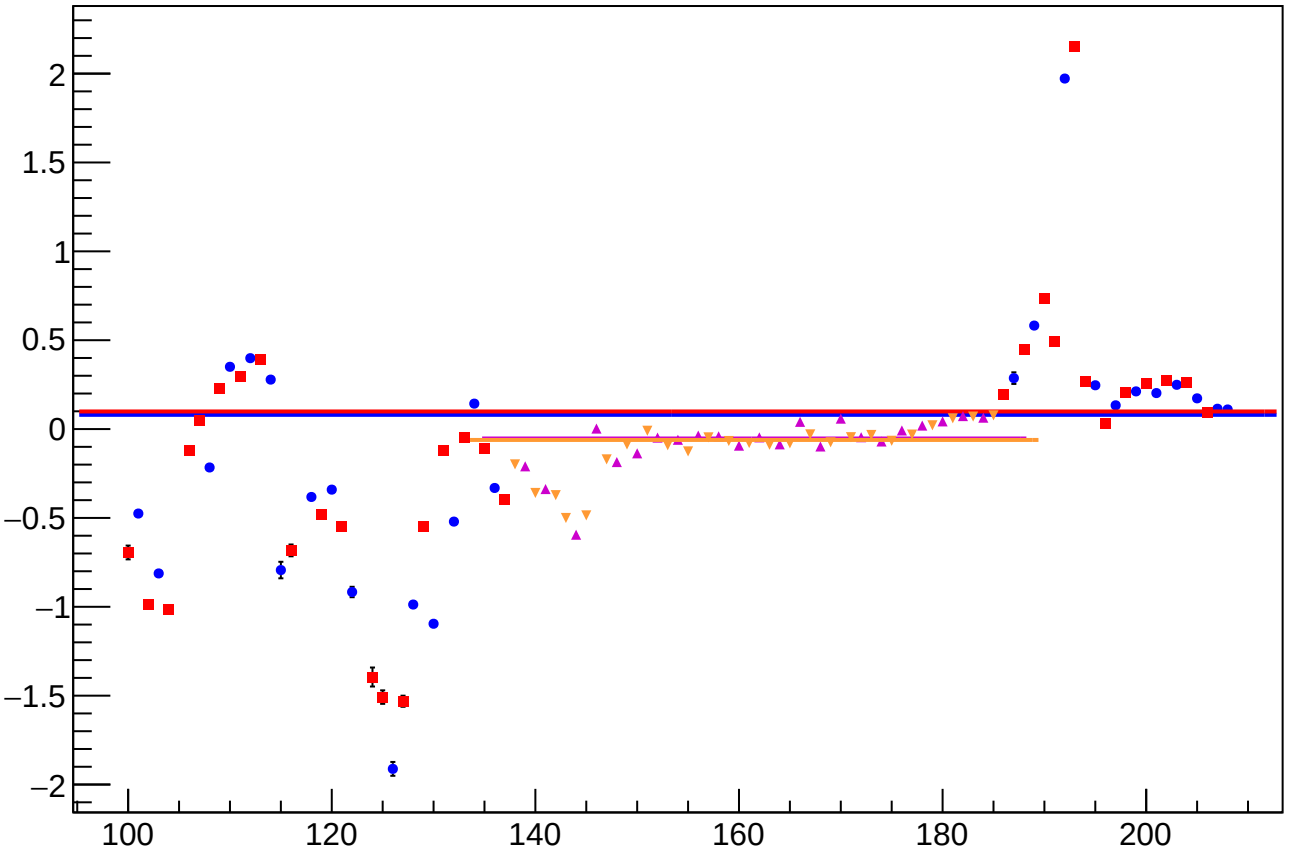
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.618+/-0.037 χ^2/NDF: 13227.3/57

In: -0.920+/-0.029 χ^2/NDF:14548.4/49

Out: -0.988+/-0.030 χ^2/NDF:12842.2/55

All: -0.953+/-0.021 χ^2/NDF: 27393.4/105



Right In: 0.080+/-0.002 χ^2/NDF: 34278.0/26

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34950.1/30

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

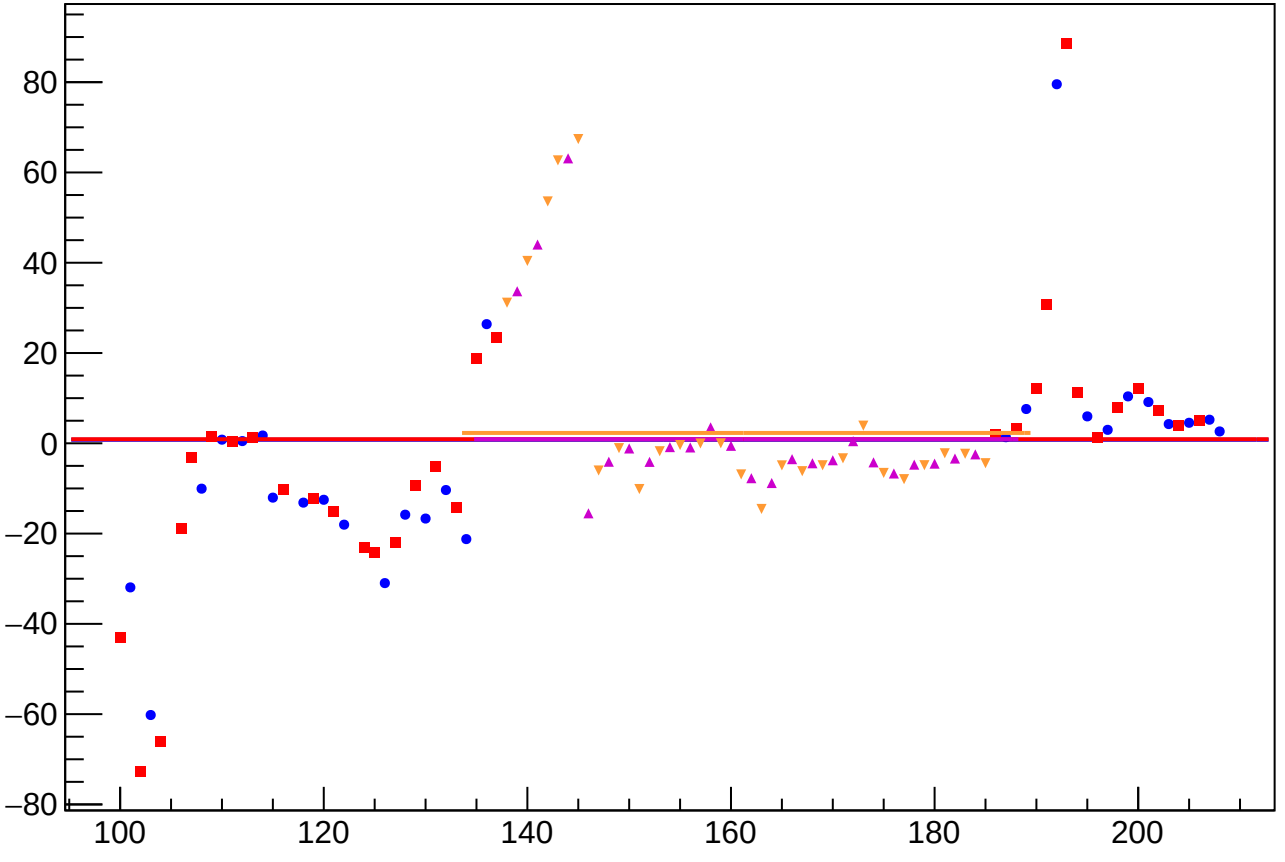
Right: 0.090+/-0.002 χ^2/NDF: 69260.2/57

In: -0.015+/-0.001 χ^2/NDF:41543.8/49

Out: -0.011+/-0.001 χ^2/NDF:43886.2/55

All: -0.013+/-0.001 χ^2/NDF: 85435.3/105

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.783+/-0.039 χ^2/NDF: 120113.2/26

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.901+/-0.036 χ^2/NDF: 121212.5/30

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

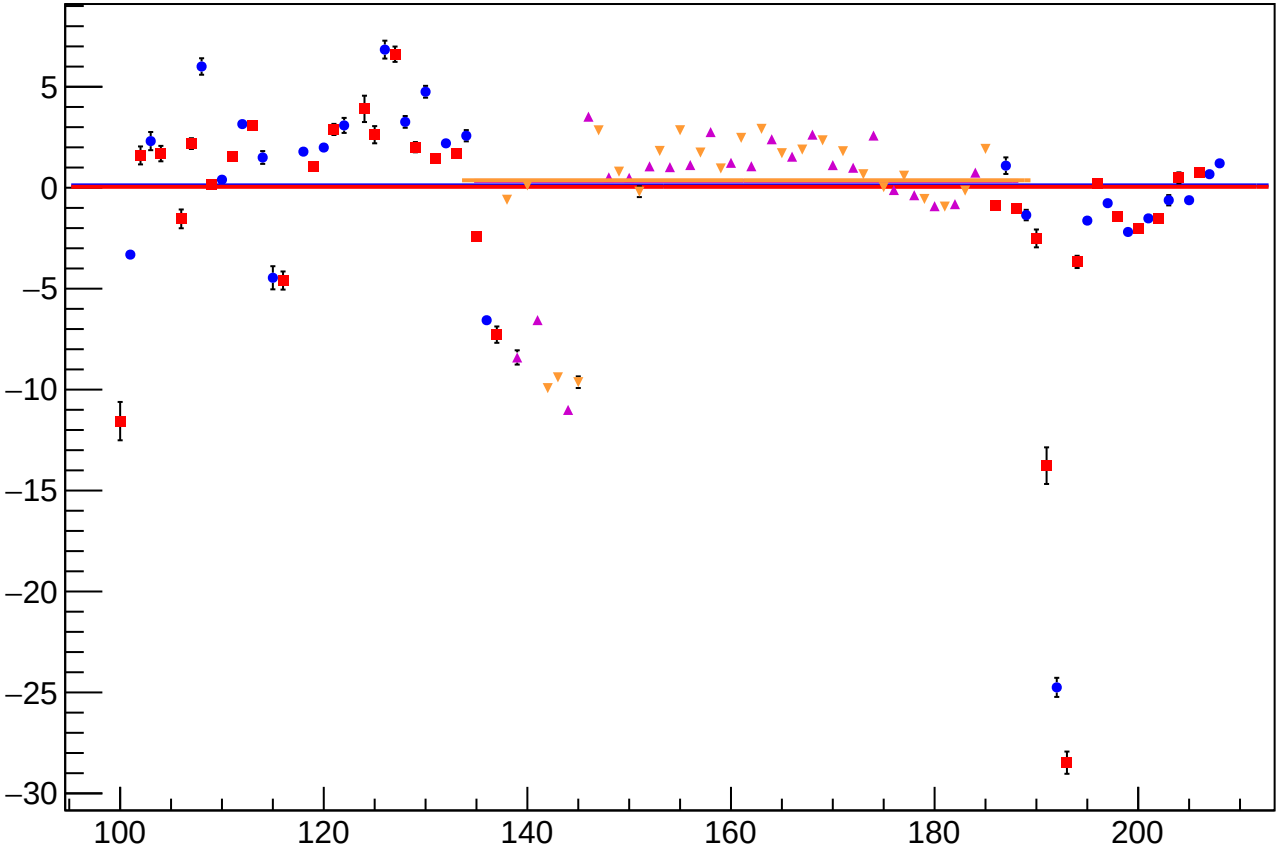
Right: 0.847+/-0.026 χ^2/NDF: 241330.6/57

In: 0.847+/-0.028 χ^2/NDF:252692.3/49

Out: 1.516+/-0.027 χ^2/NDF:299068.3/55

All: 1.197+/-0.019 χ^2/NDF: 552059.5/105

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.116+/-0.047 χ^2/NDF: 5973.5/26

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.045+/-0.045 χ^2/NDF: 5247.6/30

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

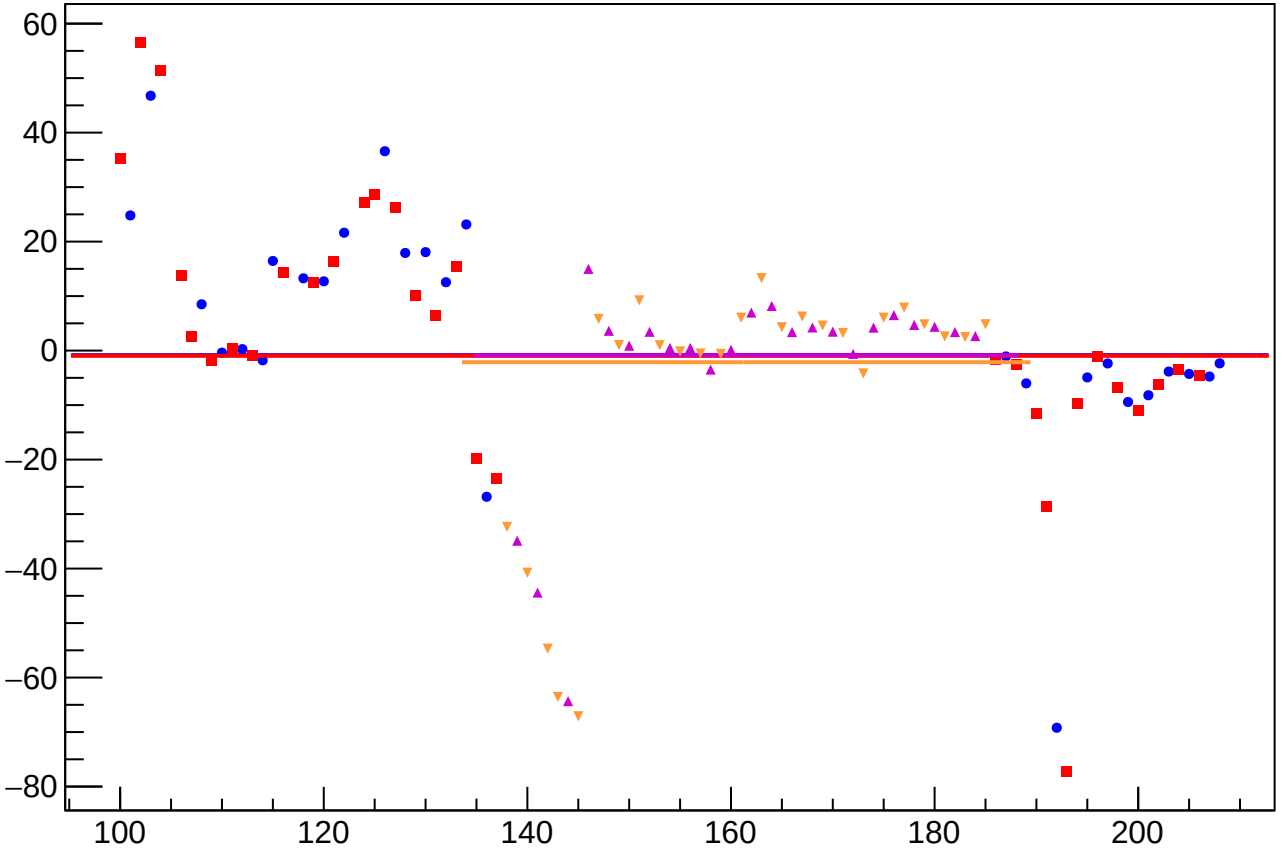
Right: 0.079+/-0.032 χ^2/NDF: 11222.3/57

In: 0.268+/-0.026 χ^2/NDF:13083.2/49

Out: 0.254+/-0.026 χ^2/NDF:12349.4/55

All: 0.261+/-0.019 χ^2/NDF: 25432.7/105

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.838+/-0.041 χ^2/NDF: 118879.0/26

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.948+/-0.038 χ^2/NDF: 119513.6/30

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

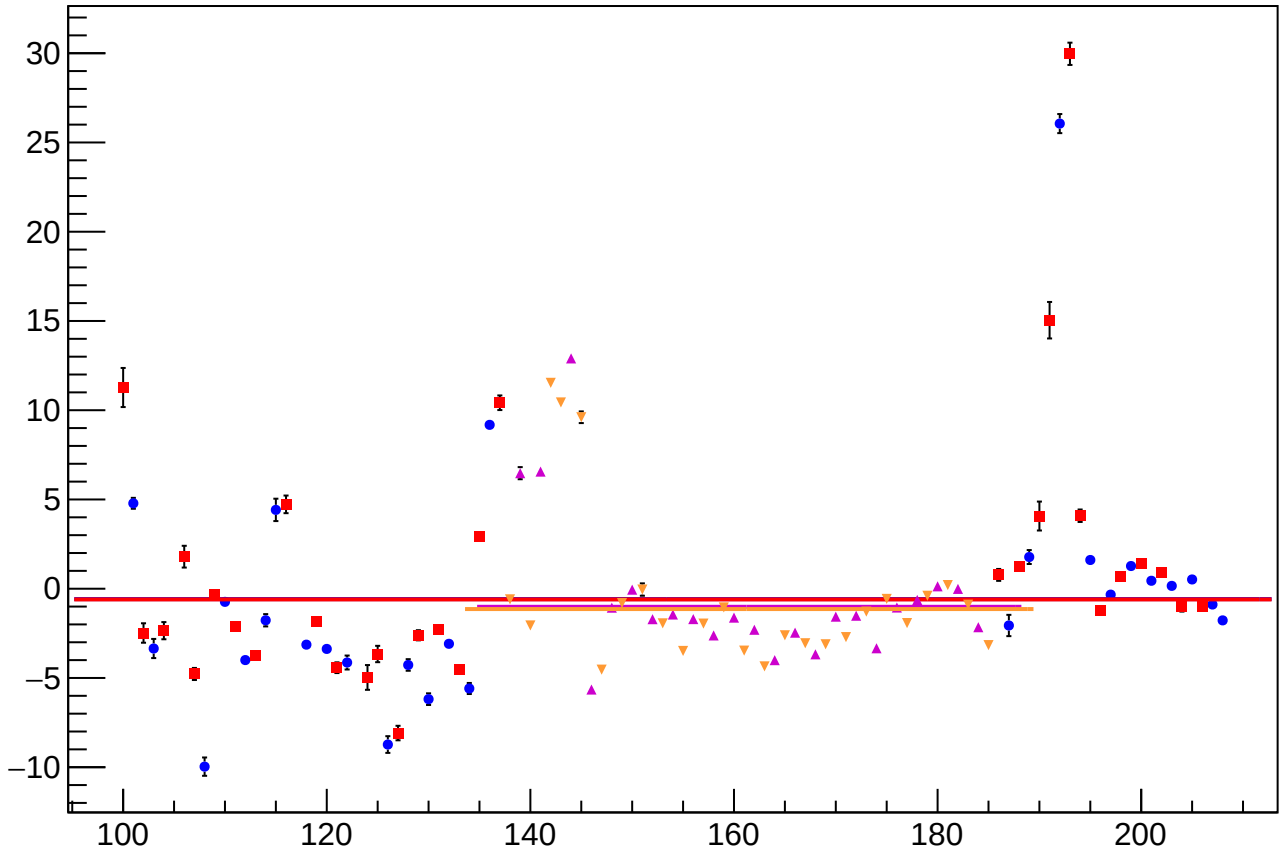
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -0.897+/-0.028 χ^2/NDF: 238396.6/57

In: -0.855+/-0.028 χ^2/NDF:248142.8/49

Out: -1.503+/-0.028 χ^2/NDF:291440.0/55

All: -1.187+/-0.020 χ^2/NDF: 539852.6/105



Right In: -0.582+/-0.054 χ^2/NDF: 7455.3/26

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.600+/-0.052 χ^2/NDF: 5770.8/30

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

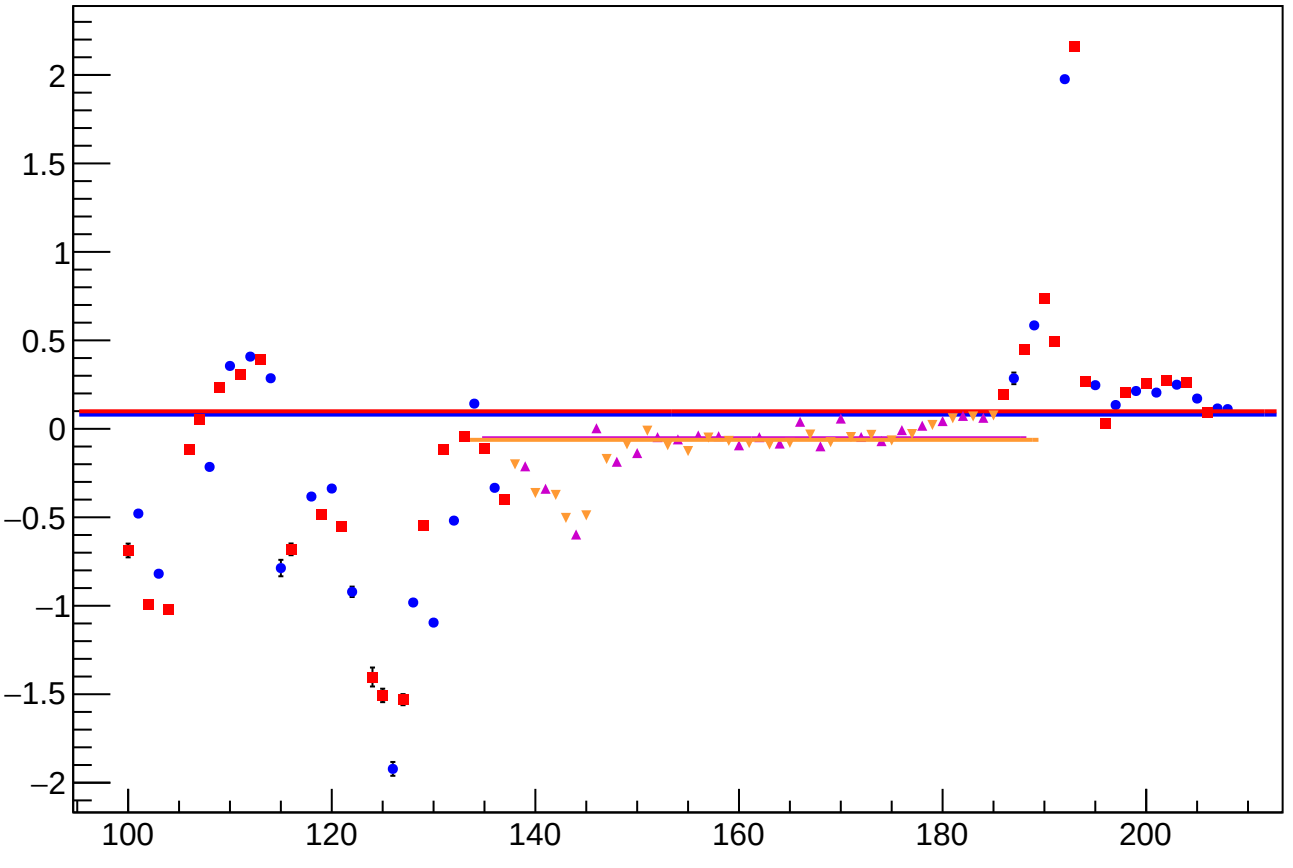
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.591+/-0.037 χ^2/NDF: 13226.2/57

In: -0.886+/-0.029 χ^2/NDF:14527.6/49

Out: -0.962+/-0.030 χ^2/NDF:12866.3/55

All: -0.924+/-0.021 χ^2/NDF: 27397.2/105



Right In: 0.080+/-0.002 χ^2/NDF: 34269.8/26

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34913.1/30

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

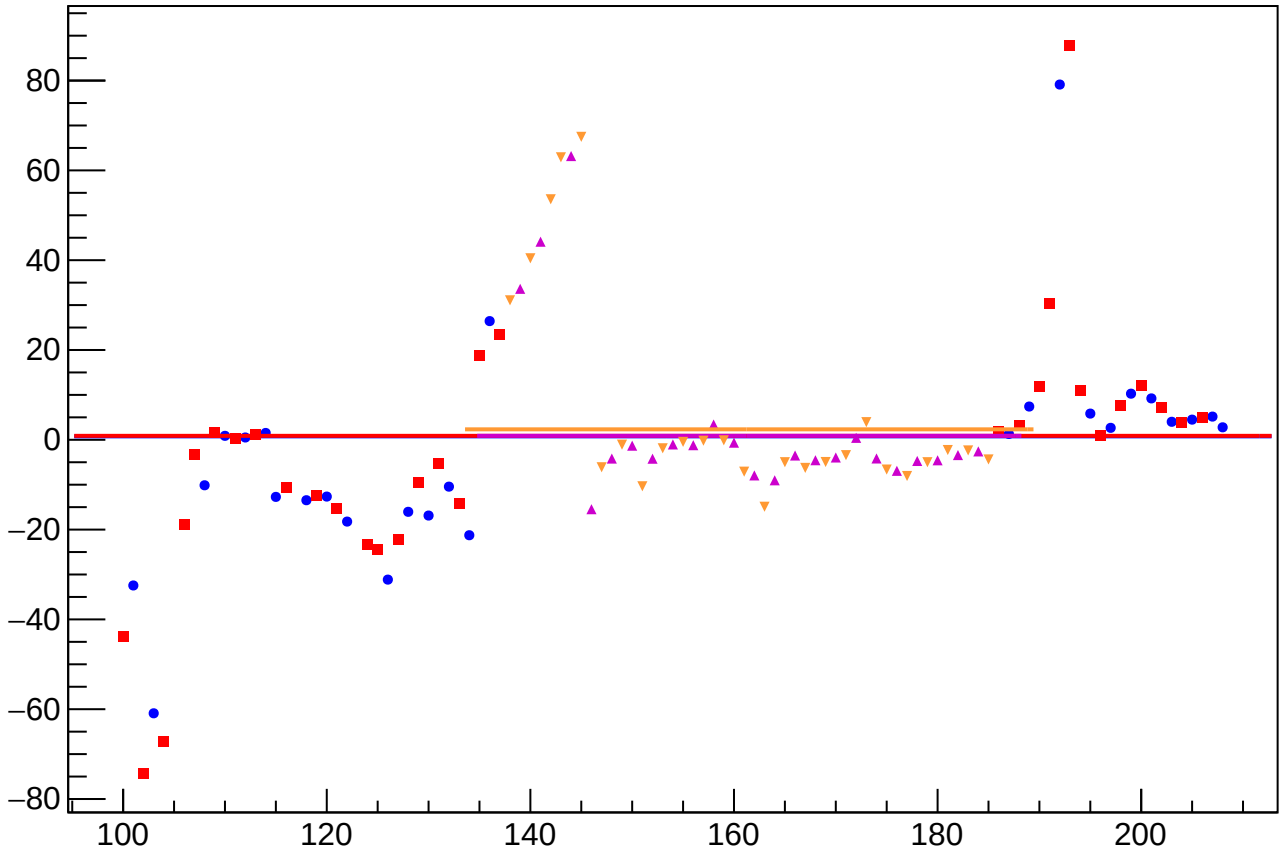
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.090+/-0.002 χ^2/NDF: 69214.2/57

In: -0.016+/-0.001 χ^2/NDF:41509.7/49

Out: -0.012+/-0.001 χ^2/NDF:43860.6/55

All: -0.014+/-0.001 χ^2/NDF: 85374.6/105



Right In: 0.766+/-0.040 χ^2/NDF: 118257.3/26

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.880+/-0.036 χ^2/NDF: 119573.0/30

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

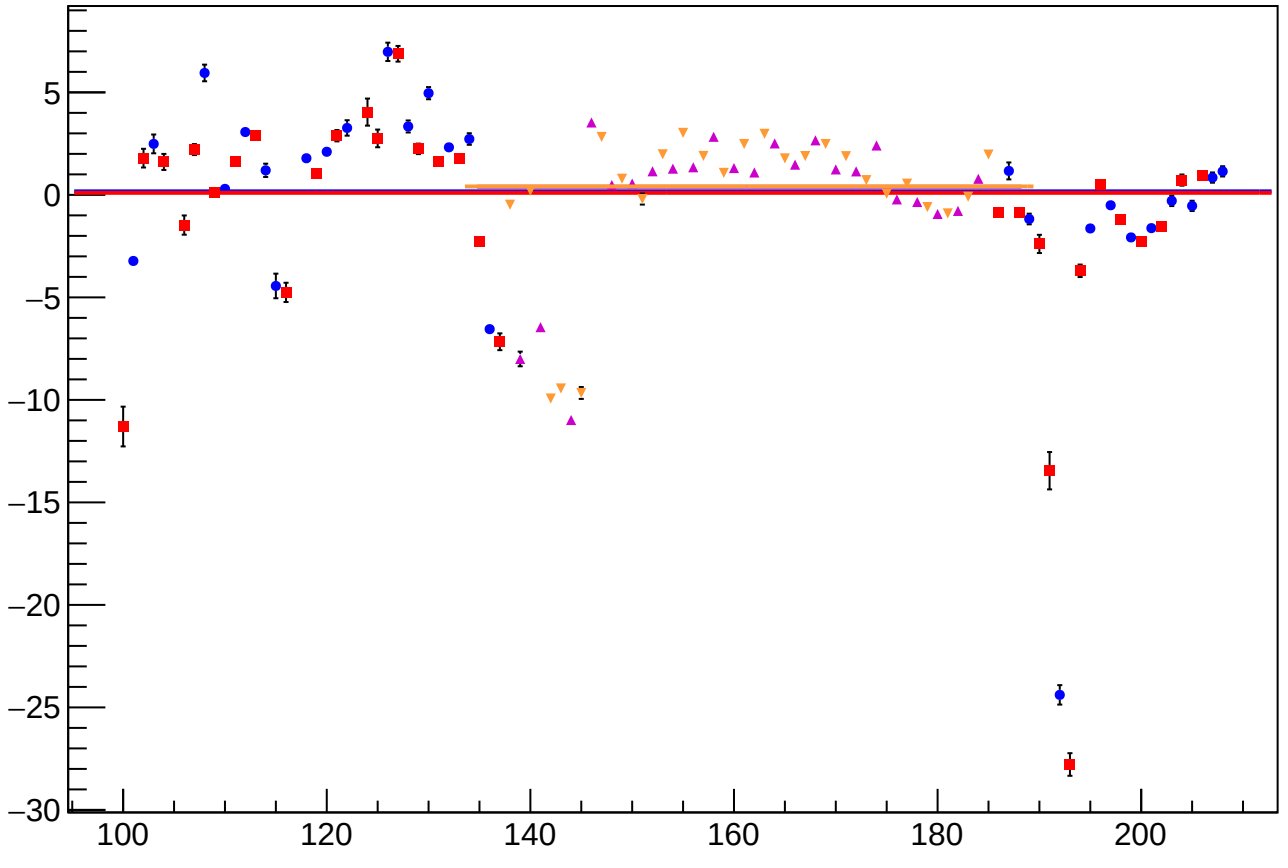
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.828+/-0.027 χ^2/NDF: 237834.7/57

In: 0.825+/-0.028 χ^2/NDF:248679.0/49

Out: 1.517+/-0.027 χ^2/NDF:294917.6/55

All: 1.186+/-0.020 χ^2/NDF: 543905.0/105



Right In: 0.171+/-0.047 χ^2/NDF: 5810.9/26

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.101+/-0.045 χ^2/NDF: 5057.8/30

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

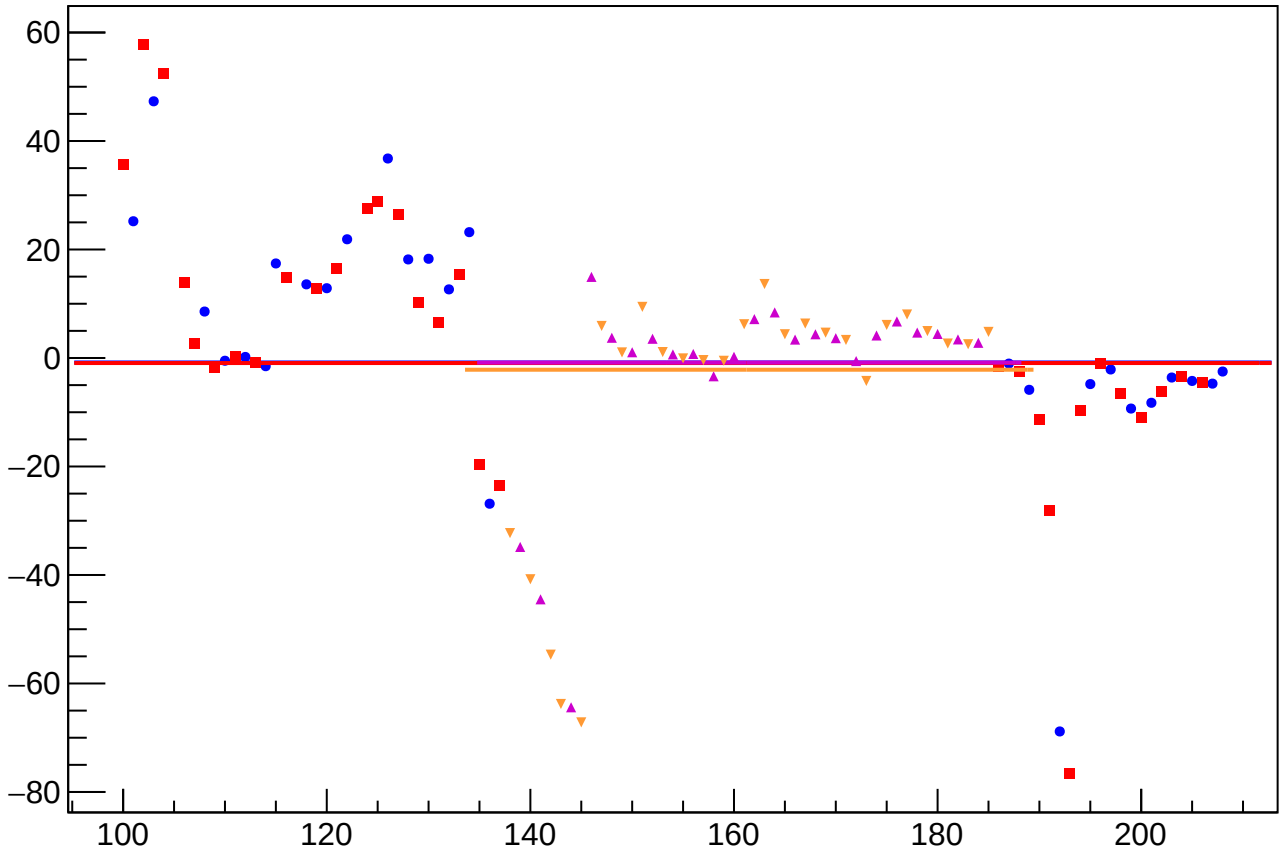
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.135+/-0.033 χ^2/NDF: 10869.8/57

In: 0.325+/-0.027 χ^2/NDF:12758.4/49

Out: 0.301+/-0.027 χ^2/NDF:12135.7/55

All: 0.313+/-0.019 χ^2/NDF: 24894.5/105



Right In: -0.826+/-0.041 χ^2/NDF: 117063.2/26

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.930+/-0.038 χ^2/NDF: 117884.7/30

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

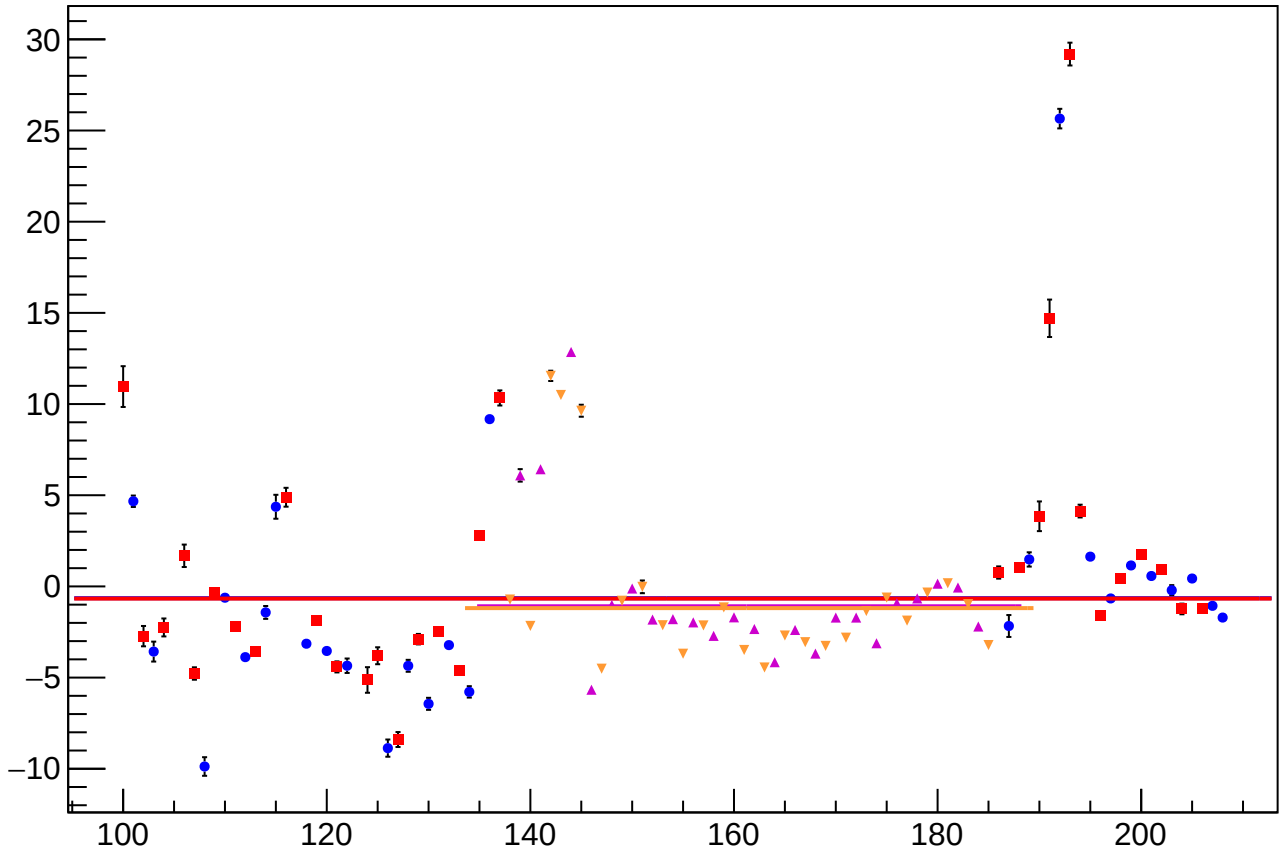
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.882+/-0.028 χ^2/NDF: 234951.4/57

In: -0.834+/-0.029 χ^2/NDF:244198.6/49

Out: -1.503+/-0.028 χ^2/NDF:287357.6/55

All: -1.177+/-0.020 χ^2/NDF: 531834.8/105



Right In: -0.647+/-0.055 χ^2/NDF: 7289.9/26

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.668+/-0.053 χ^2/NDF: 5584.4/30

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

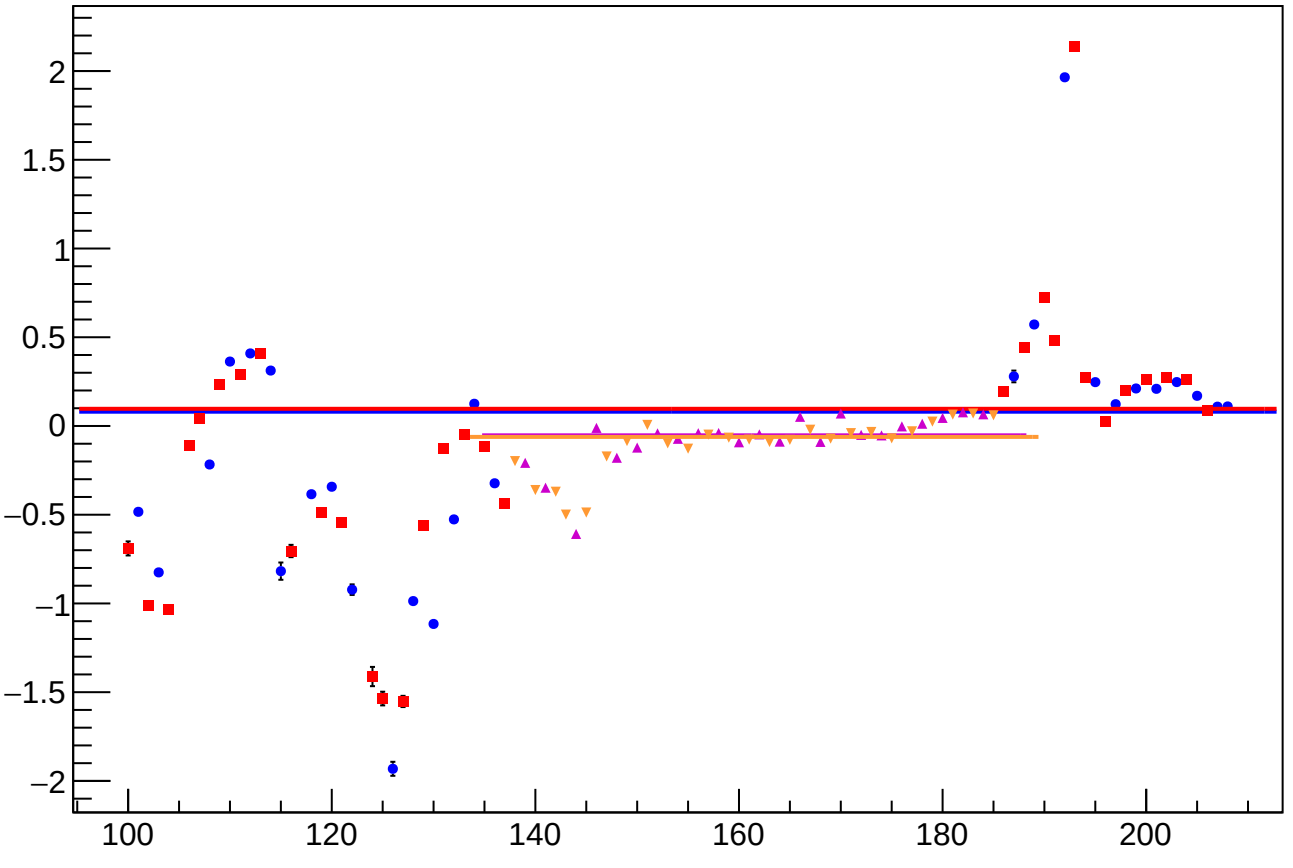
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.658+/-0.038 χ^2/NDF: 12874.4/57

In: -0.957+/-0.030 χ^2/NDF:14176.7/49

Out: -1.018+/-0.030 χ^2/NDF:12646.2/55

All: -0.987+/-0.021 χ^2/NDF: 26825.0/105



Right In: 0.080+/-0.002 χ^2/NDF: 33541.3/26

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34476.5/30

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

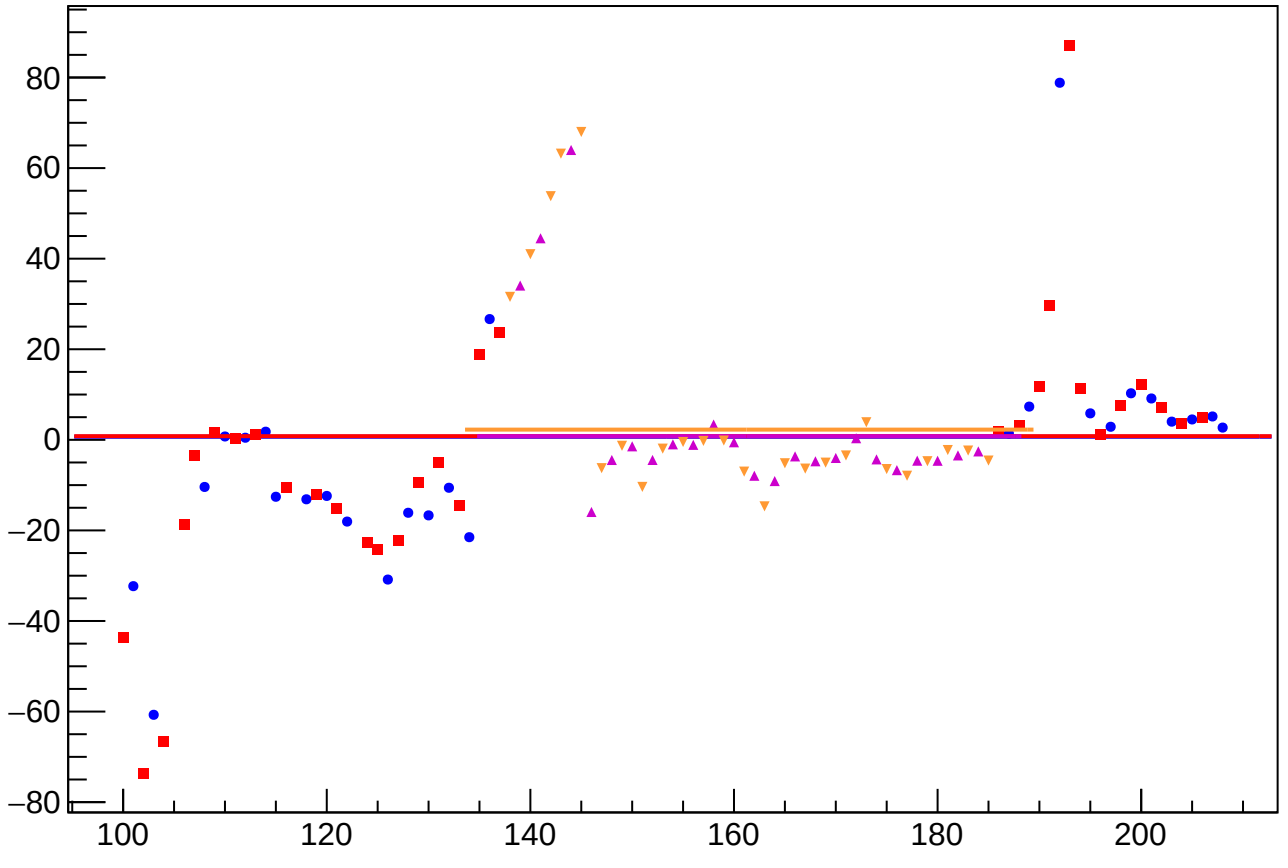
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.089+/-0.002 χ^2/NDF: 68040.9/57

In: -0.015+/-0.001 χ^2/NDF:40753.7/49

Out: -0.012+/-0.001 χ^2/NDF:43061.6/55

All: -0.013+/-0.001 χ^2/NDF: 83817.8/105



Right In: 0.682+/-0.040 χ^2/NDF: 116550.1/26

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.805+/-0.037 χ^2/NDF: 117369.5/30

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

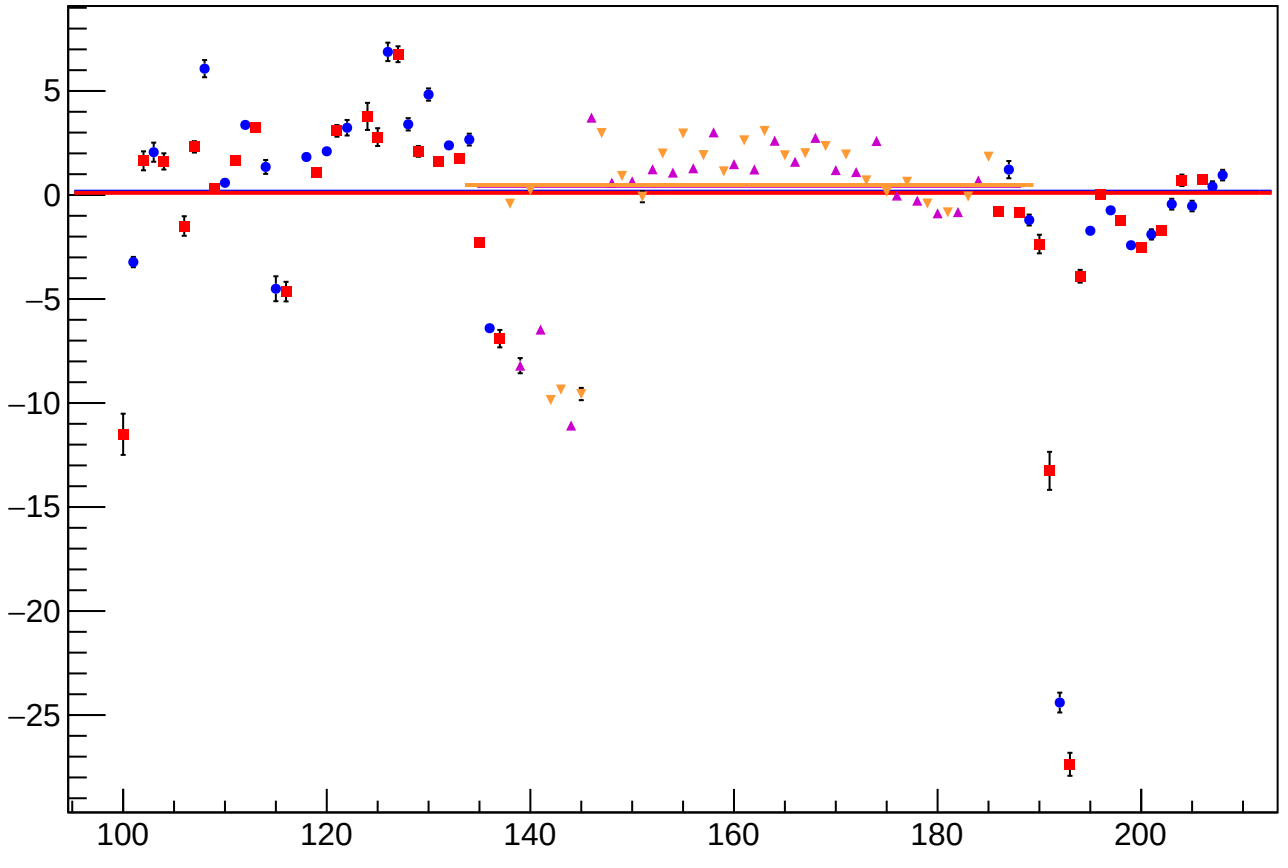
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.749+/-0.027 χ^2/NDF: 233924.5/57

In: 0.737+/-0.029 χ^2/NDF:245382.1/49

Out: 1.449+/-0.028 χ^2/NDF:289718.9/55

All: 1.108+/-0.020 χ^2/NDF: 535418.9/105



Right In: 0.159+/-0.048 χ^2/NDF: 5789.4/26

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.104+/-0.046 χ^2/NDF: 4972.8/30

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

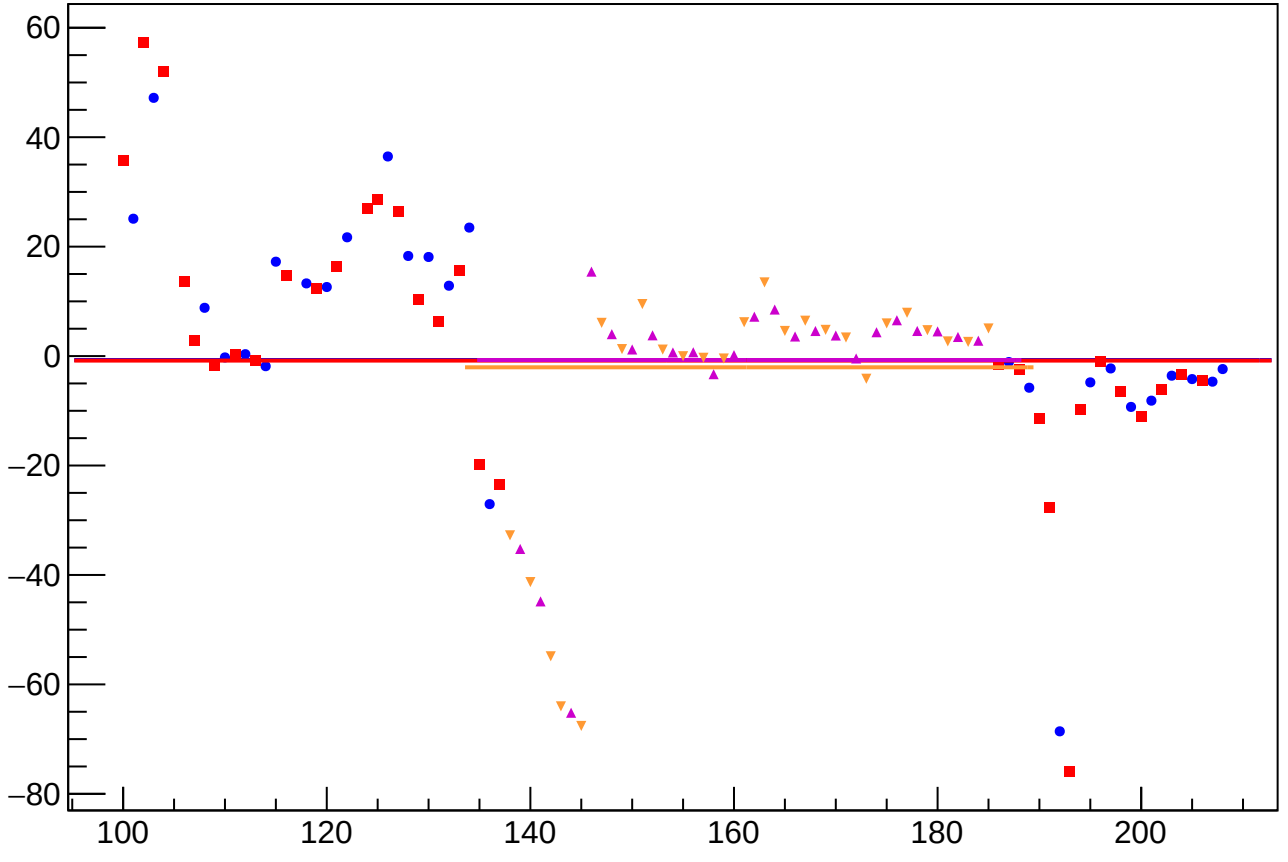
Right: 0.130+/-0.033 χ^2/NDF: 10763.0/57

In: 0.351+/-0.027 χ^2/NDF:12706.9/49

Out: 0.347+/-0.027 χ^2/NDF:11824.3/55

All: 0.349+/-0.019 χ^2/NDF: 24531.2/105

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.717+/-0.041 χ^2/NDF: 115332.8/26

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.822+/-0.039 χ^2/NDF: 115712.4/30

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

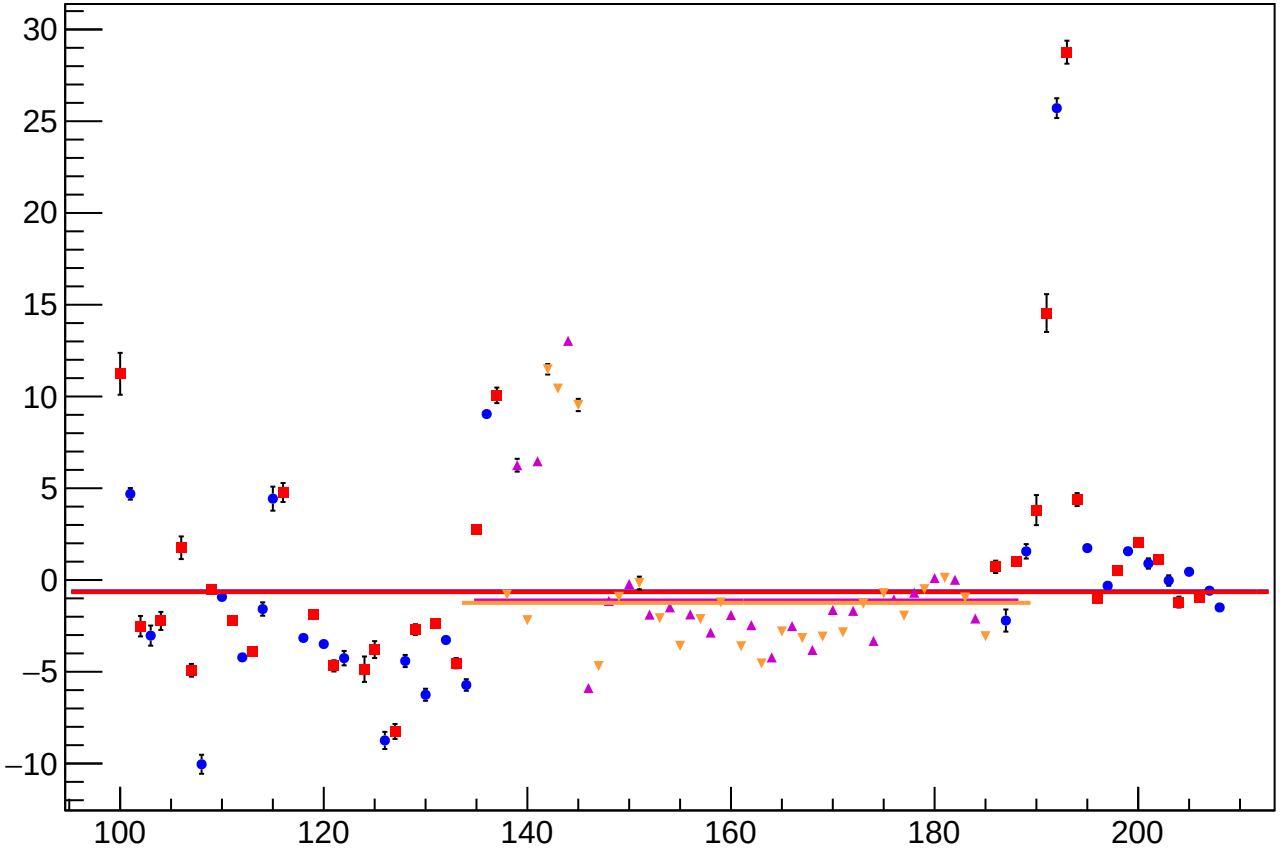
Right: -0.773+/-0.028 χ^2/NDF: 231048.6/57

In: -0.719+/-0.029 χ^2/NDF:240864.1/49

Out: -1.397+/-0.028 χ^2/NDF:282189.9/55

All: -1.066+/-0.020 χ^2/NDF: 523333.5/105

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.618+/-0.055 χ^2/NDF: 7179.7/26

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.660+/-0.053 χ^2/NDF: 5455.5/30

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

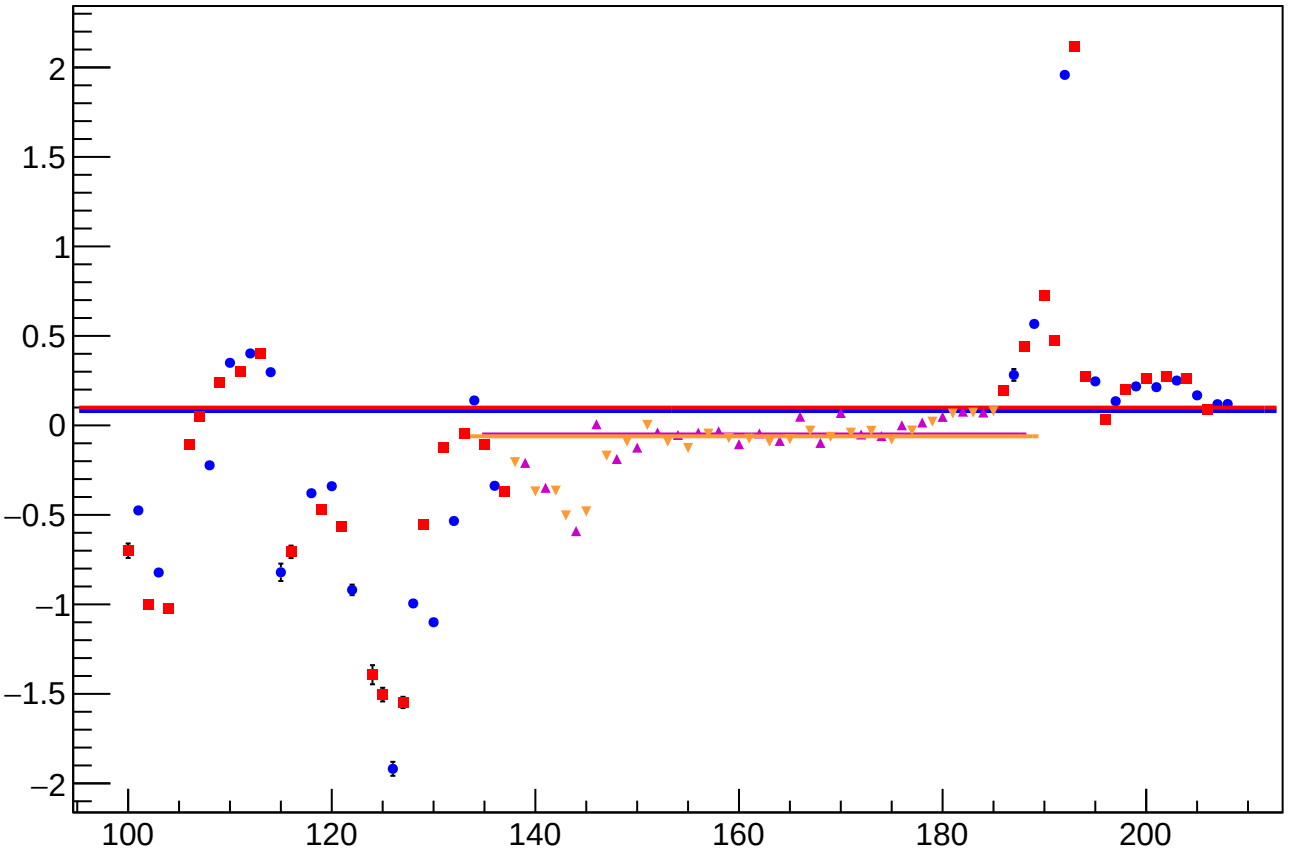
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.640+/-0.038 χ^2/NDF: 12635.5/57

In: -0.969+/-0.030 χ^2/NDF:14077.3/49

Out: -1.053+/-0.031 χ^2/NDF:12304.6/55

All: -1.010+/-0.021 χ^2/NDF: 26385.7/105



Right In: 0.080+/-0.002 χ^2/NDF: 33209.8/26

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.099+/-0.002 χ^2/NDF: 33549.4/30

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

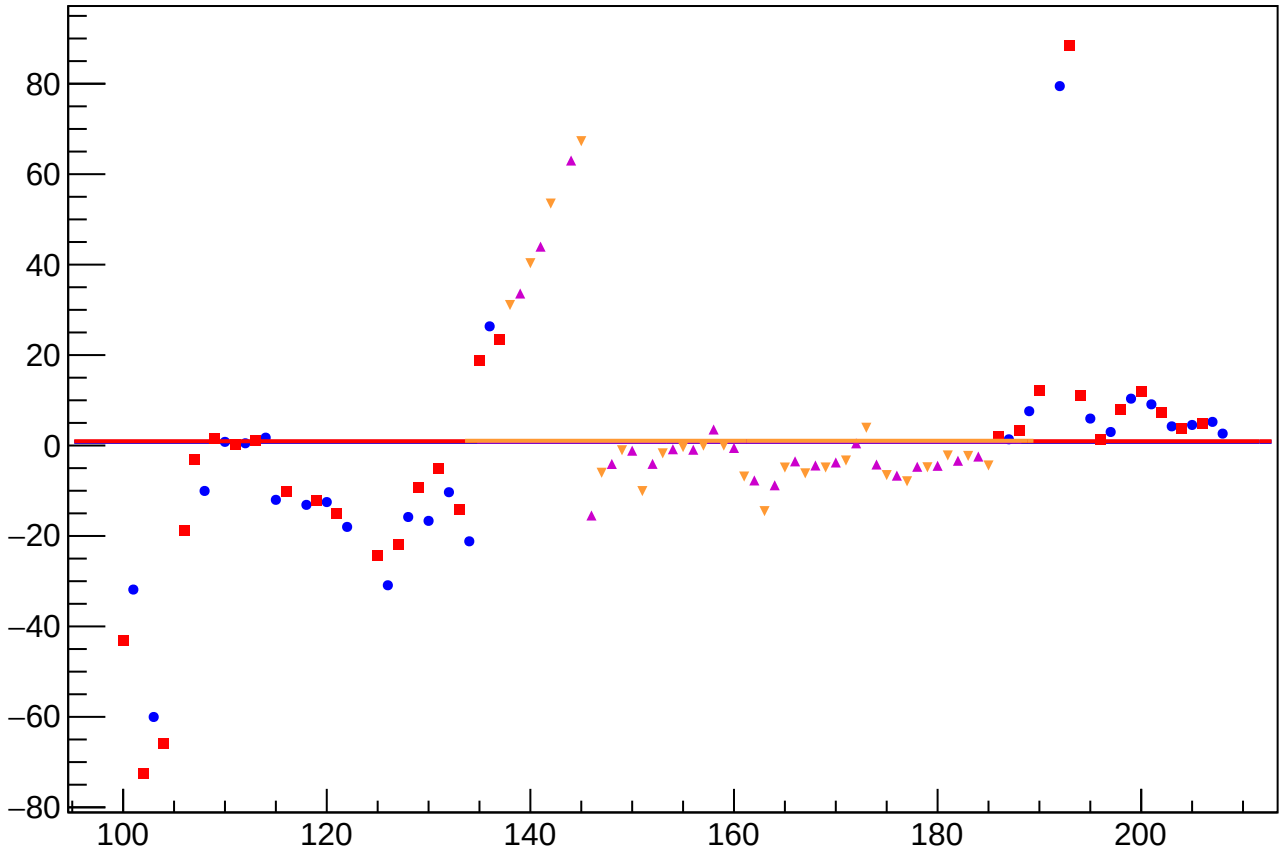
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.090+/-0.002 χ^2/NDF: 66789.8/57

In: -0.013+/-0.001 χ^2/NDF:40142.5/49

Out: -0.011+/-0.001 χ^2/NDF:42040.1/55

All: -0.012+/-0.001 χ^2/NDF: 82184.4/105



Right In: 0.798+/-0.039 χ^2/NDF: 120320.3/26

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.950+/-0.036 χ^2/NDF: 118507.9/28

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

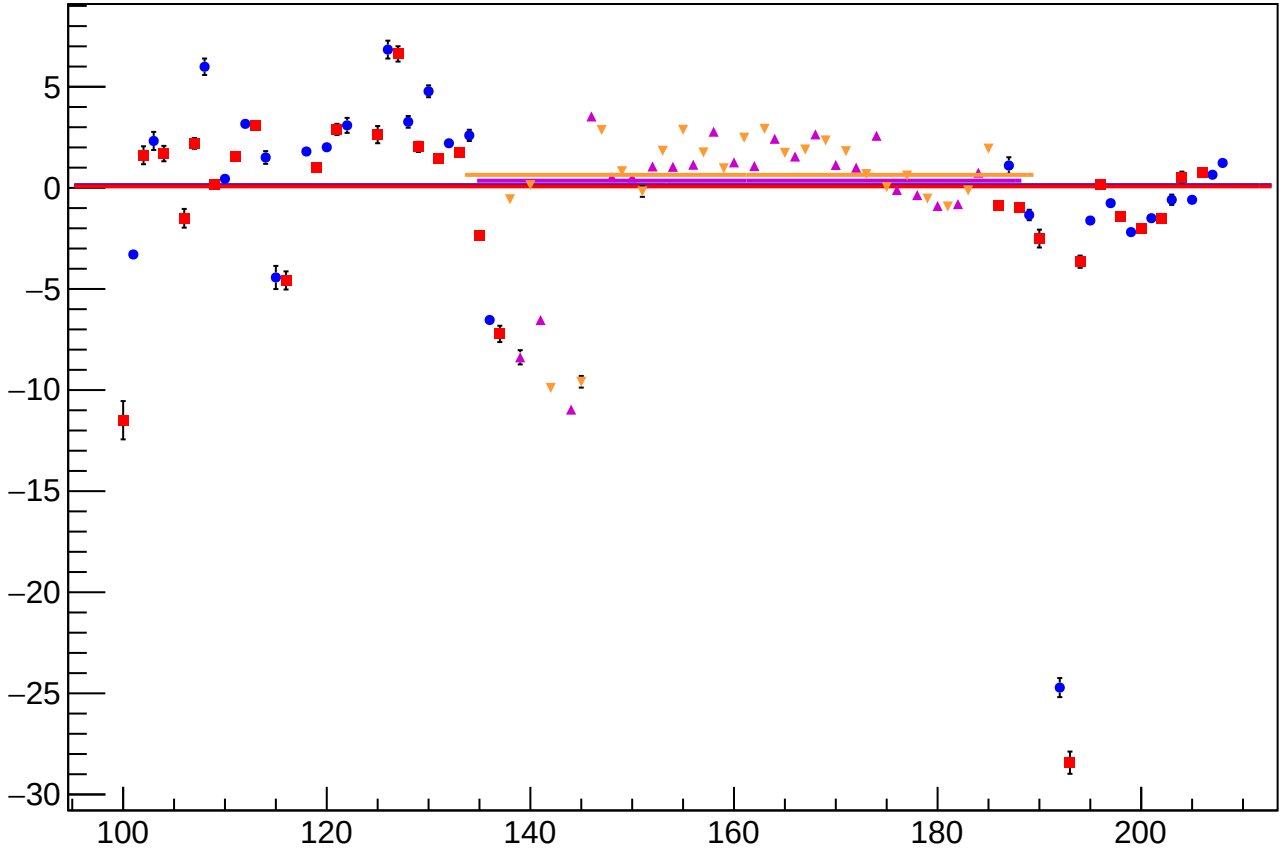
Right: 0.881+/-0.026 χ^2/NDF: 238836.5/55

In: 0.854+/-0.028 χ^2/NDF:253132.0/49

Out: 0.995+/-0.027 χ^2/NDF:249542.5/52

All: 0.928+/-0.019 χ^2/NDF: 502687.8/102

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.132+/-0.046 χ^2/NDF: 5989.5/26

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.075+/-0.045 χ^2/NDF: 4991.4/28

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

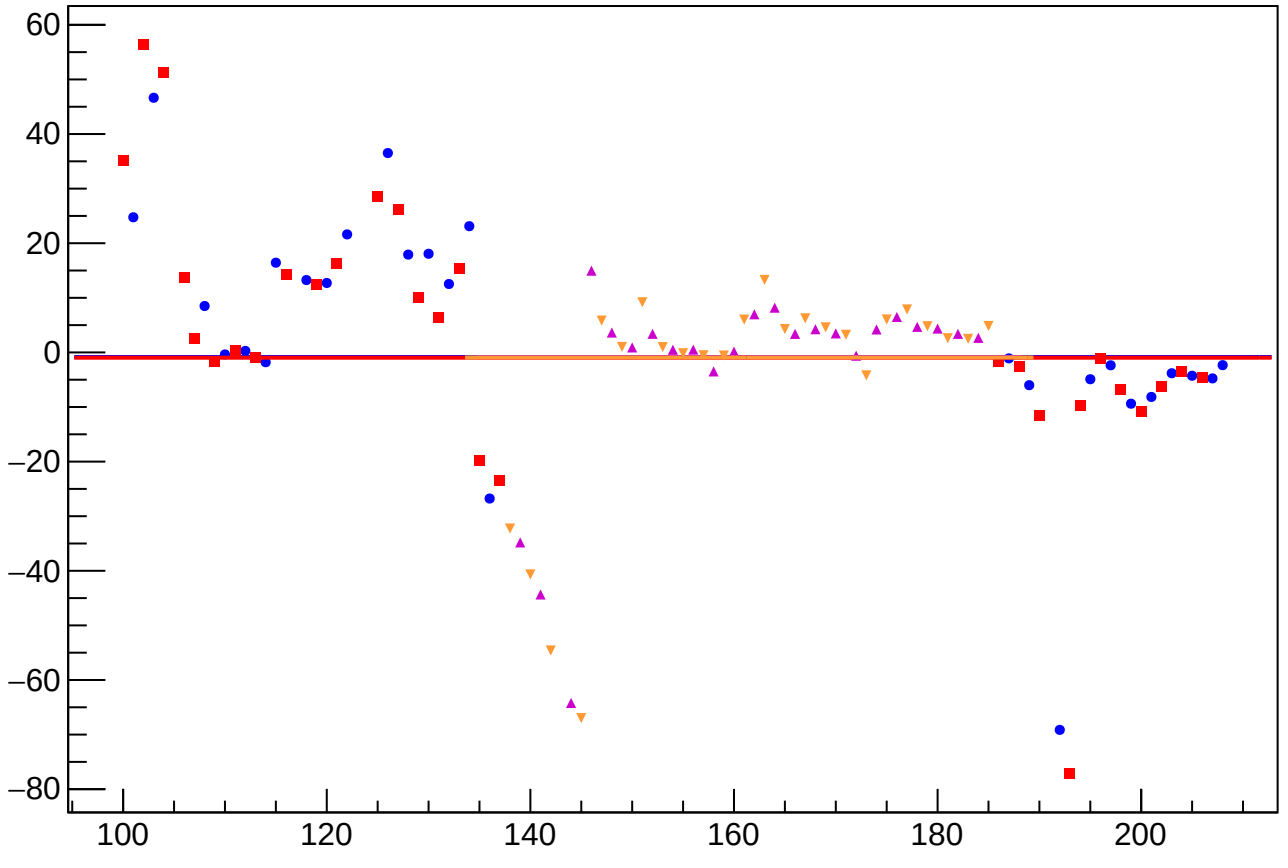
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.102+/-0.032 χ^2/NDF: 10981.6/55

In: 0.285+/-0.026 χ^2/NDF:13122.5/49

Out: 0.441+/-0.027 χ^2/NDF:9806.9/52

All: 0.361+/-0.019 χ^2/NDF: 22947.0/102



Right In: -0.842+/-0.040 χ^2/NDF: 119079.3/26

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -0.967+/-0.038 χ^2/NDF: 116911.7/28

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

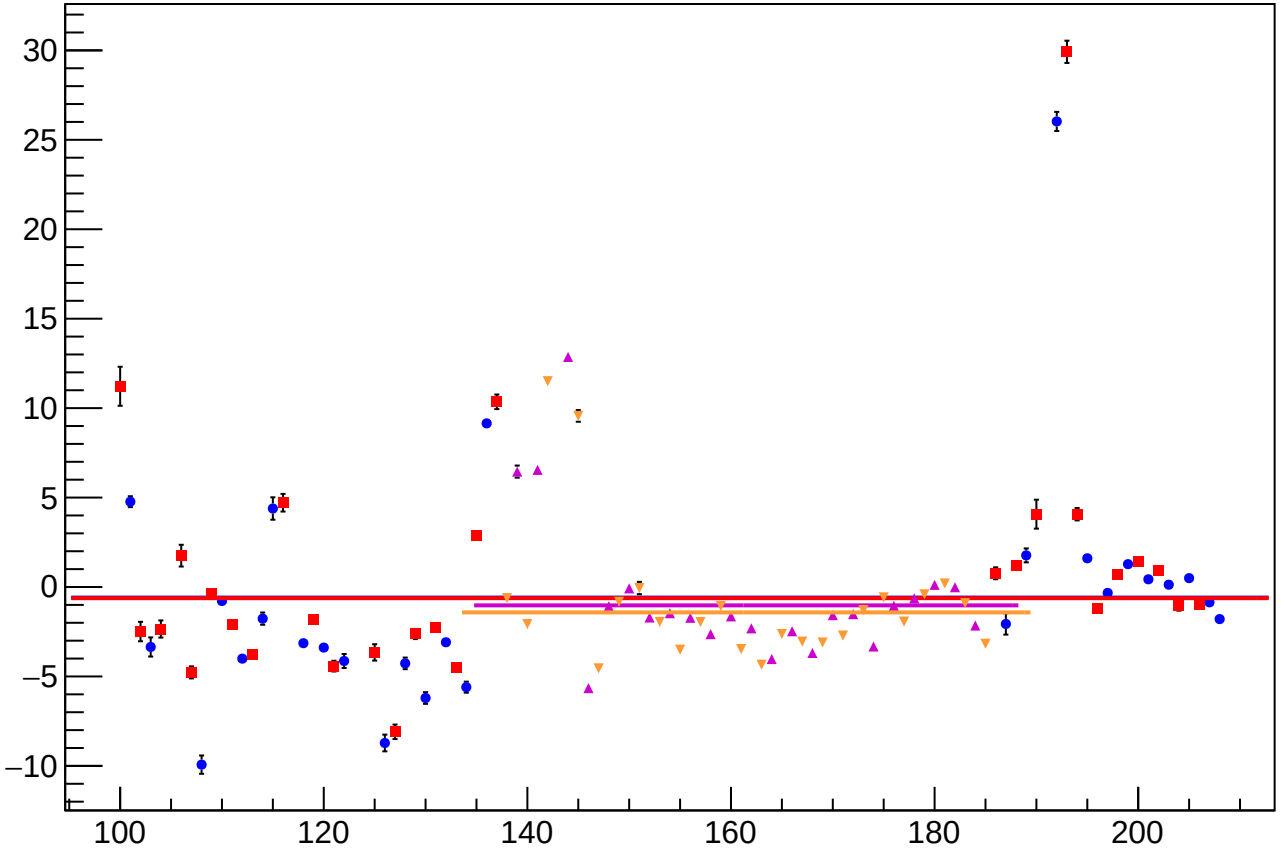
Right: -0.909+/-0.028 χ^2/NDF: 235996.1/55

In: -0.852+/-0.028 χ^2/NDF:248564.4/49

Out: -0.949+/-0.028 χ^2/NDF:243290.8/52

All: -0.901+/-0.020 χ^2/NDF: 491861.4/102

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.592+/-0.054 χ^2/NDF: 7472.7/26

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.624+/-0.052 χ^2/NDF: 5505.4/28

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

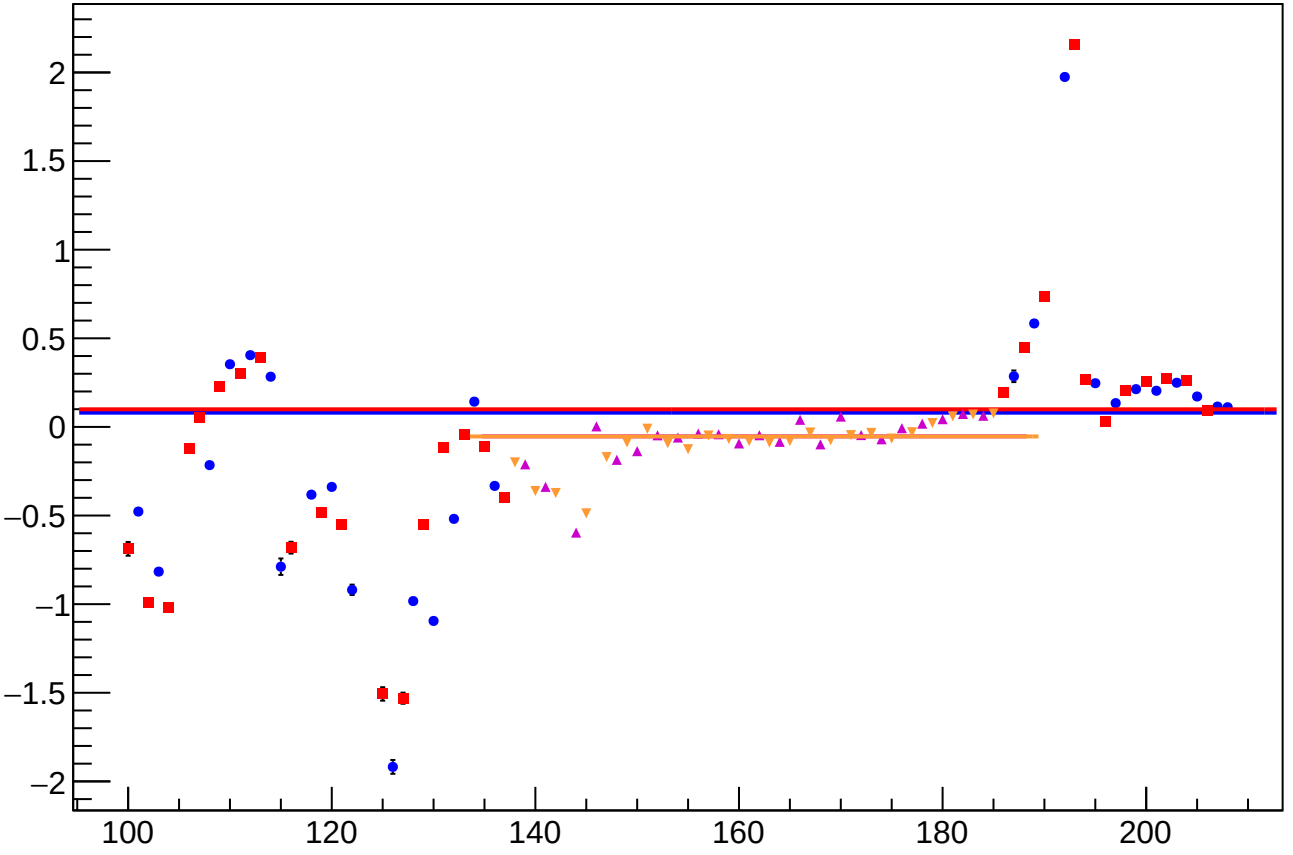
Right: -0.609+/-0.037 χ^2/NDF: 12978.4/55

In: -0.898+/-0.029 χ^2/NDF:14565.8/49

Out: -1.156+/-0.030 χ^2/NDF:10304.3/52

All: -1.023+/-0.021 χ^2/NDF: 24908.1/102

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.080+/-0.002 χ^2/NDF: 34331.8/26

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.099+/-0.002 χ^2/NDF: 34003.3/28

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

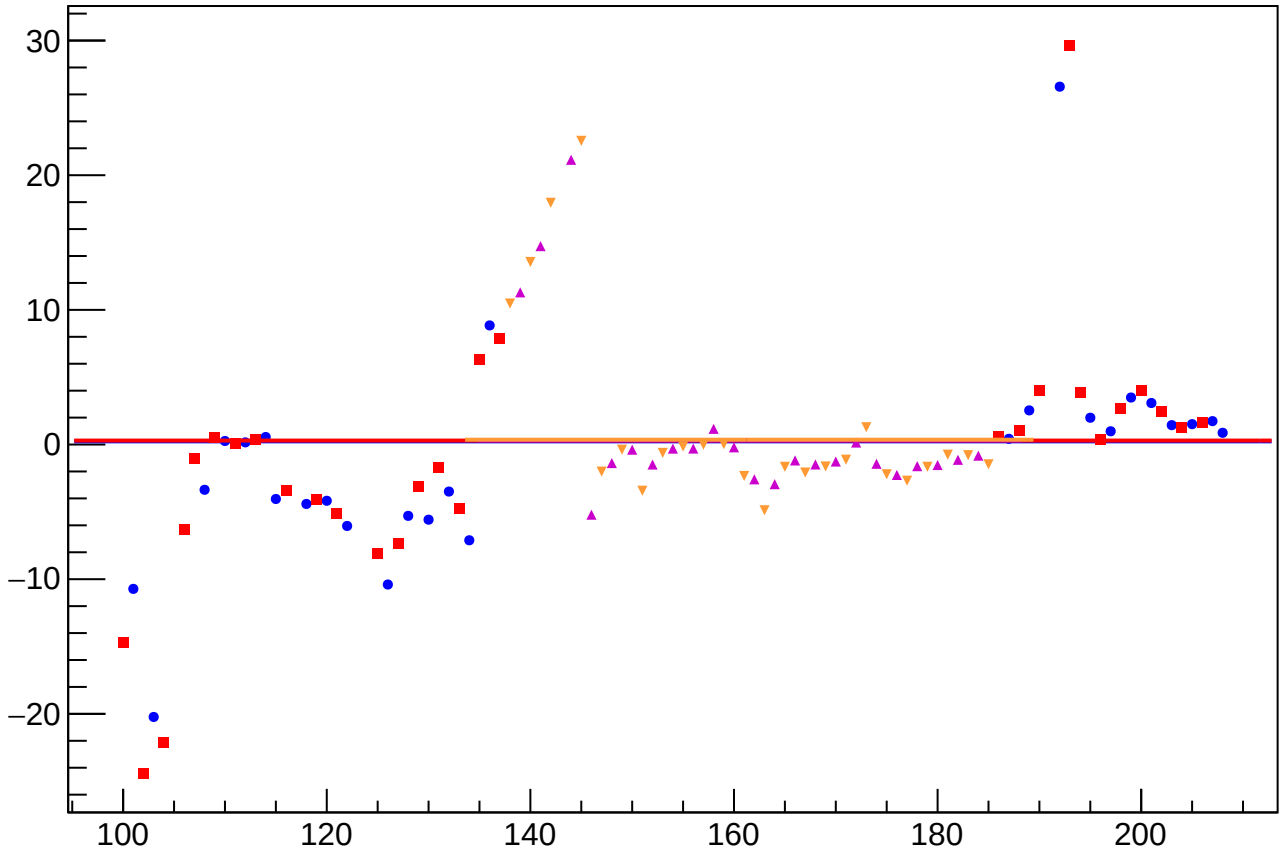
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.090+/-0.002 χ^2/NDF: 68366.7/55

In: -0.016+/-0.001 χ^2/NDF:41608.6/49

Out: -0.006+/-0.001 χ^2/NDF:41226.7/52

All: -0.011+/-0.001 χ^2/NDF: 82863.8/102



Right In: 0.237+/-0.013 χ^2/NDF: 118238.7/26

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.295+/-0.012 χ^2/NDF: 116673.3/28

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

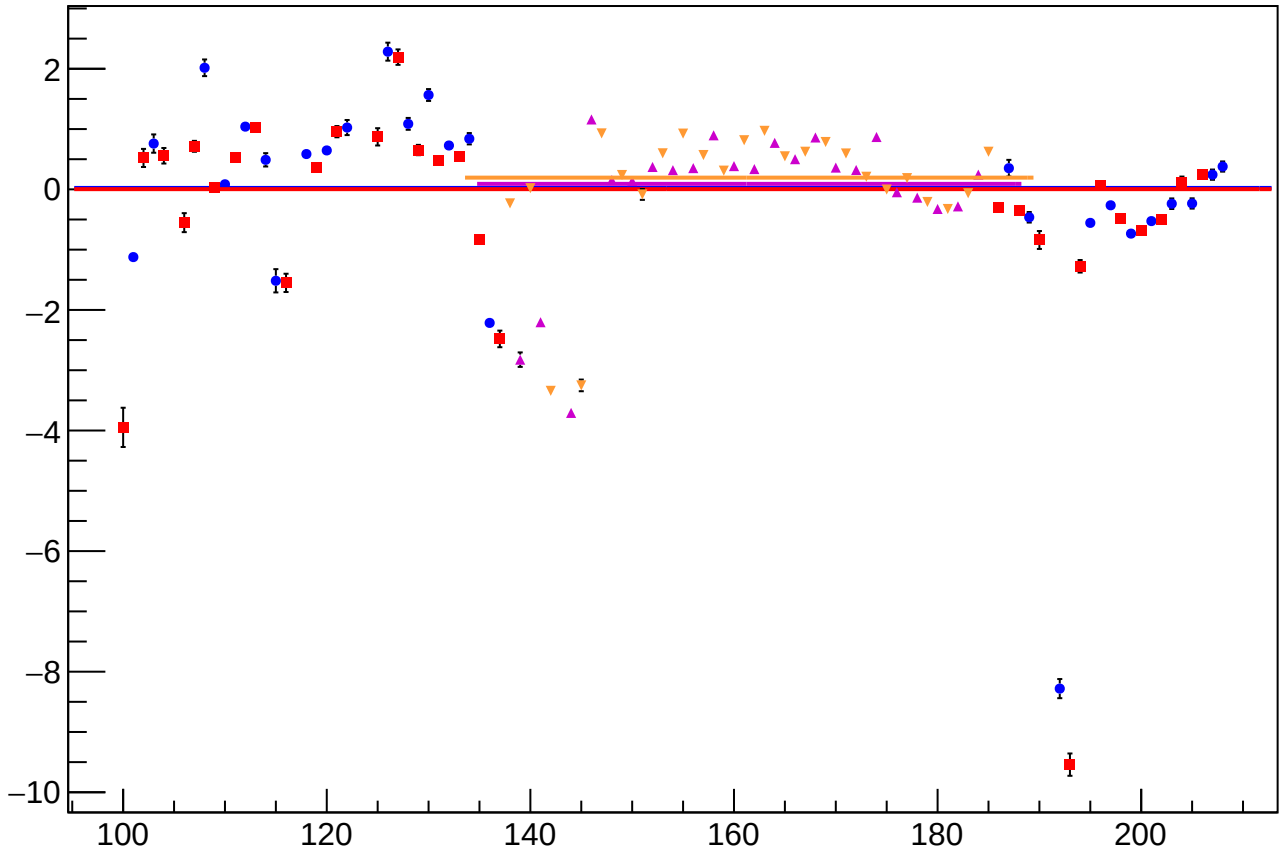
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.269+/-0.009 χ^2/NDF: 234922.3/55

In: 0.276+/-0.010 χ^2/NDF:248480.6/49

Out: 0.323+/-0.009 χ^2/NDF:245514.7/52

All: 0.301+/-0.007 χ^2/NDF: 494007.8/102



Right In: 0.023+/-0.016 χ^2/NDF: 5861.9/26

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.003+/-0.015 χ^2/NDF: 4896.6/28

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

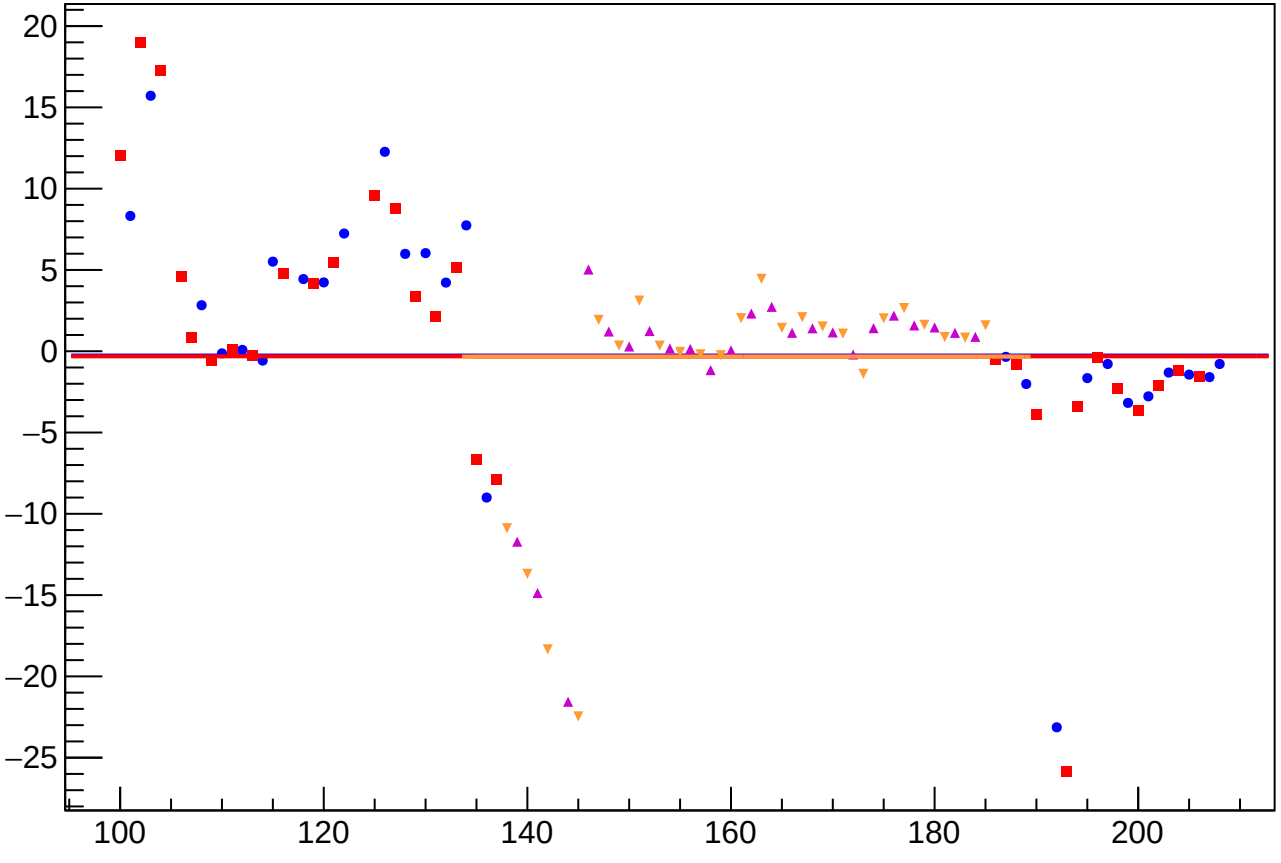
Right: 0.013+/-0.011 χ^2/NDF: 10759.3/55

In: 0.070+/-0.009 χ^2/NDF:12810.8/49

Out: 0.127+/-0.009 χ^2/NDF:9642.1/52

All: 0.098+/-0.006 χ^2/NDF: 22472.8/102

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.265+/-0.014 χ^2/NDF: 117038.9/26

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.314+/-0.013 χ^2/NDF: 115130.4/28

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

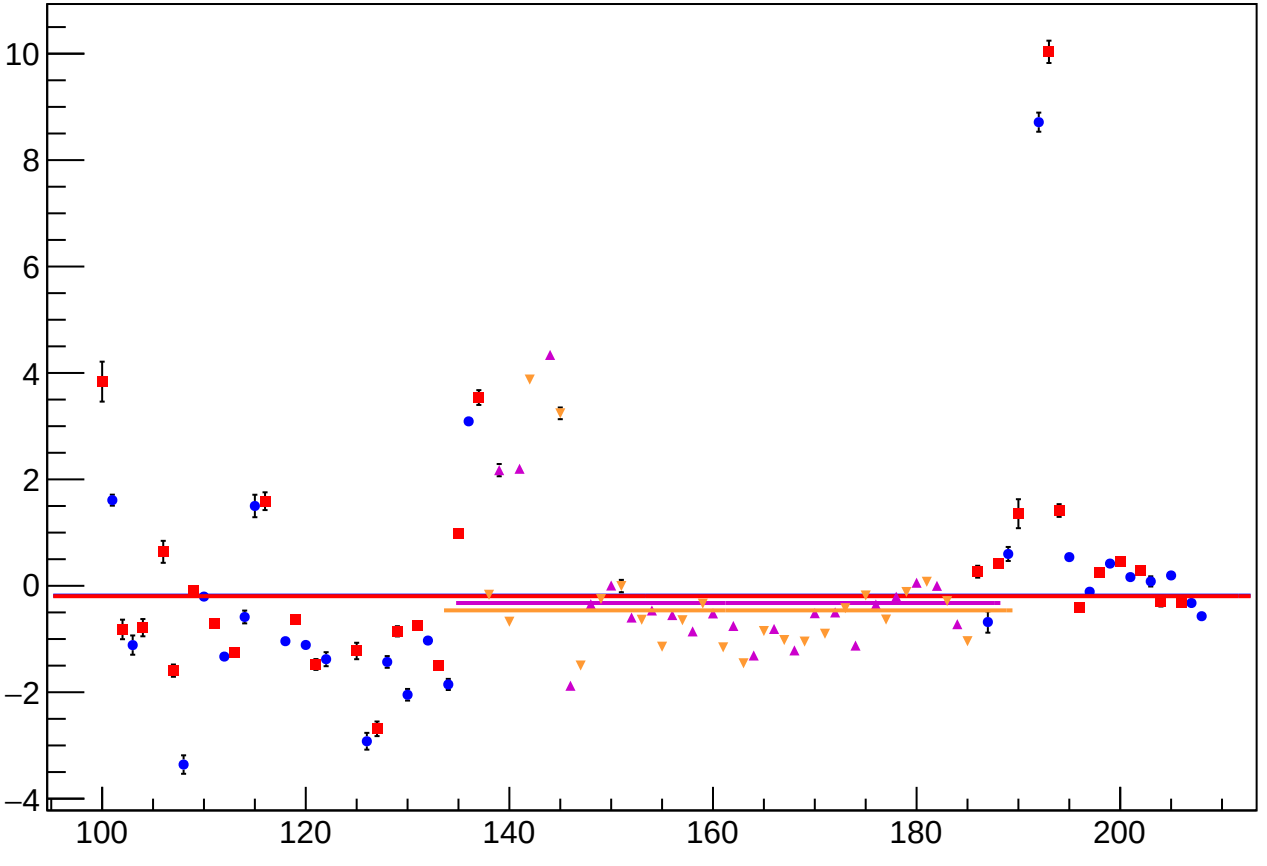
Right: -0.291+/-0.009 χ^2/NDF: 232175.9/55

In: -0.290+/-0.010 χ^2/NDF:244044.5/49

Out: -0.322+/-0.009 χ^2/NDF:239364.8/52

All: -0.307+/-0.007 χ^2/NDF: 483415.0/102

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.018 χ^2/NDF: 7316.1/26

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.195+/-0.018 χ^2/NDF: 5409.3/28

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

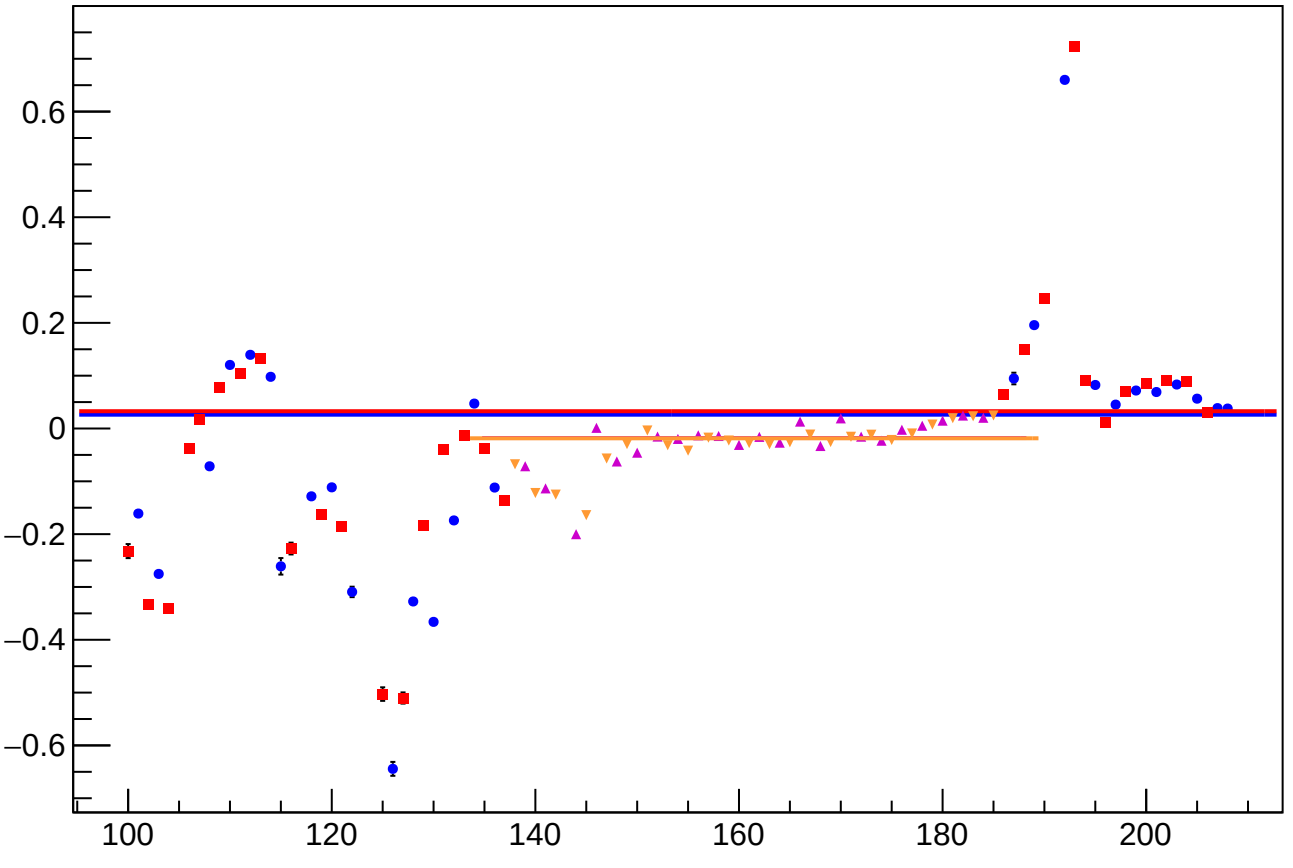
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.190+/-0.013 χ^2/NDF: 12725.6/55

In: -0.282+/-0.010 χ^2/NDF:14237.9/49

Out: -0.374+/-0.010 χ^2/NDF:10138.4/52

All: -0.327+/-0.007 χ^2/NDF: 24417.4/102



Right In: 0.026+/-0.001 χ^2/NDF: 33747.0/26

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.033+/-0.001 χ^2/NDF: 33384.8/28

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

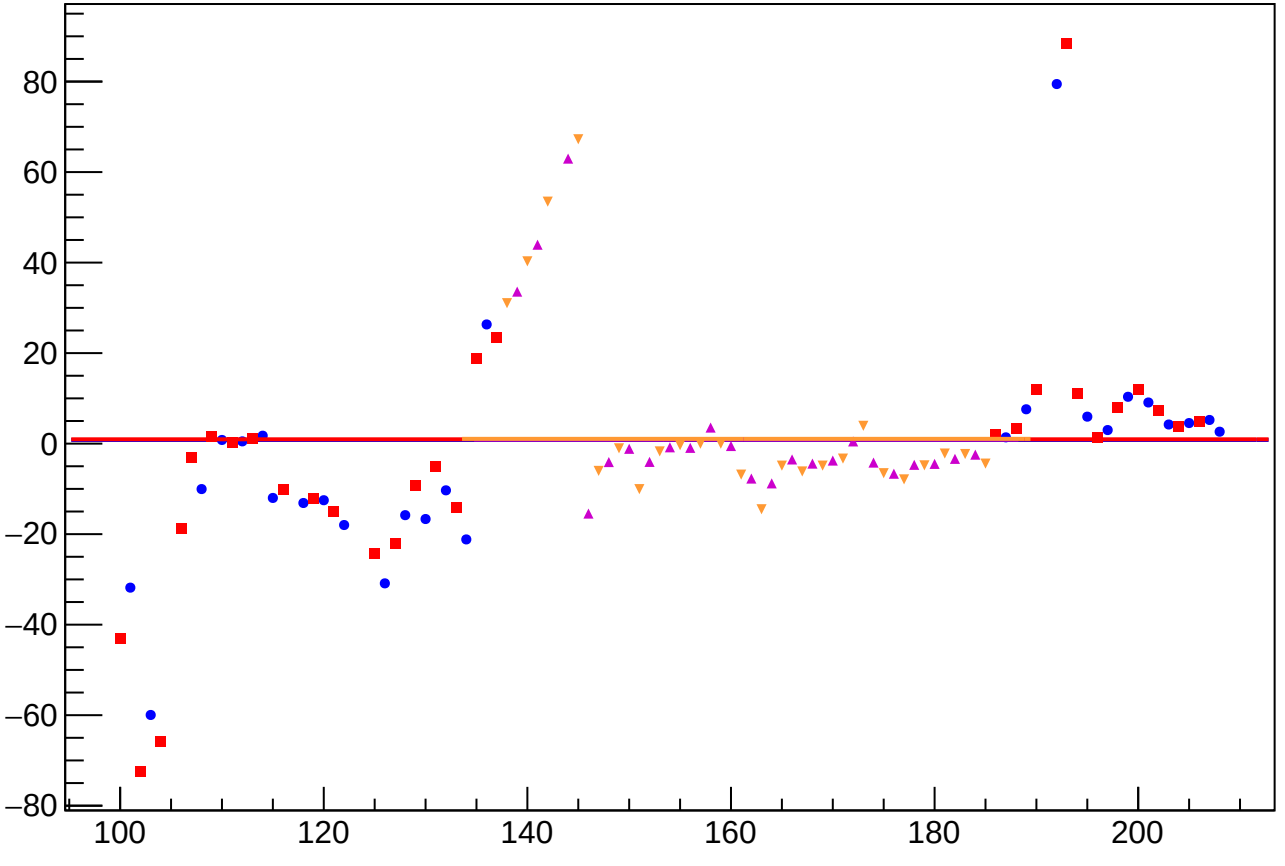
Right: 0.029+/-0.001 χ^2/NDF: 67164.2/55

In: -0.006+/-0.000 χ^2/NDF:40727.0/49

Out: -0.003+/-0.000 χ^2/NDF:40362.4/52

All: -0.004+/-0.000 χ^2/NDF: 81112.1/102

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.804+/-0.039 χ^2/NDF: 120341.5/26

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.955+/-0.036 χ^2/NDF: 118525.6/28

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

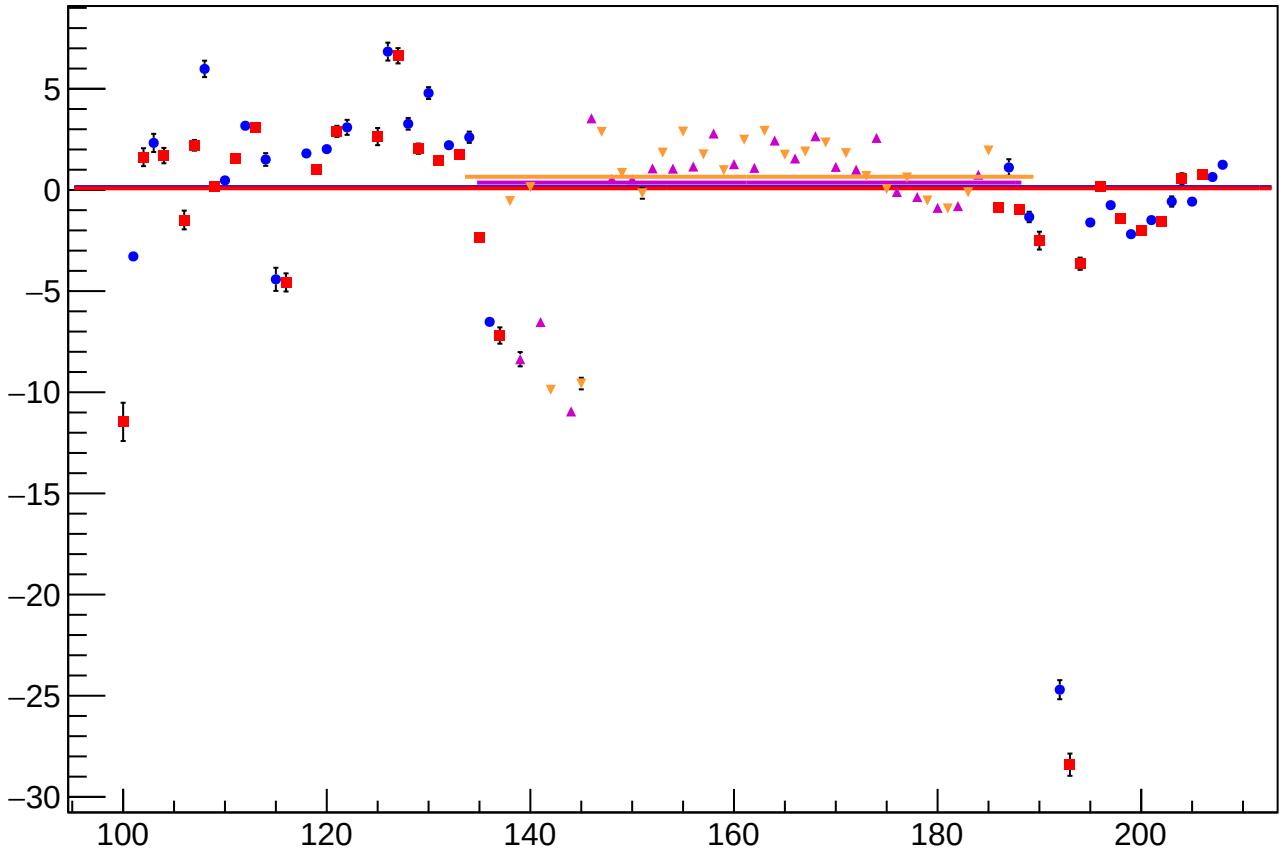
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: 0.886+/-0.026 χ^2/NDF: 238875.2/55

In: 0.859+/-0.028 χ^2/NDF:253161.7/49

Out: 1.000+/-0.027 χ^2/NDF:249539.8/52

All: 0.932+/-0.019 χ^2/NDF: 502714.7/102



Right In: 0.139+/-0.046 χ^2/NDF: 5993.2/26

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.082+/-0.045 χ^2/NDF: 4993.2/28

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

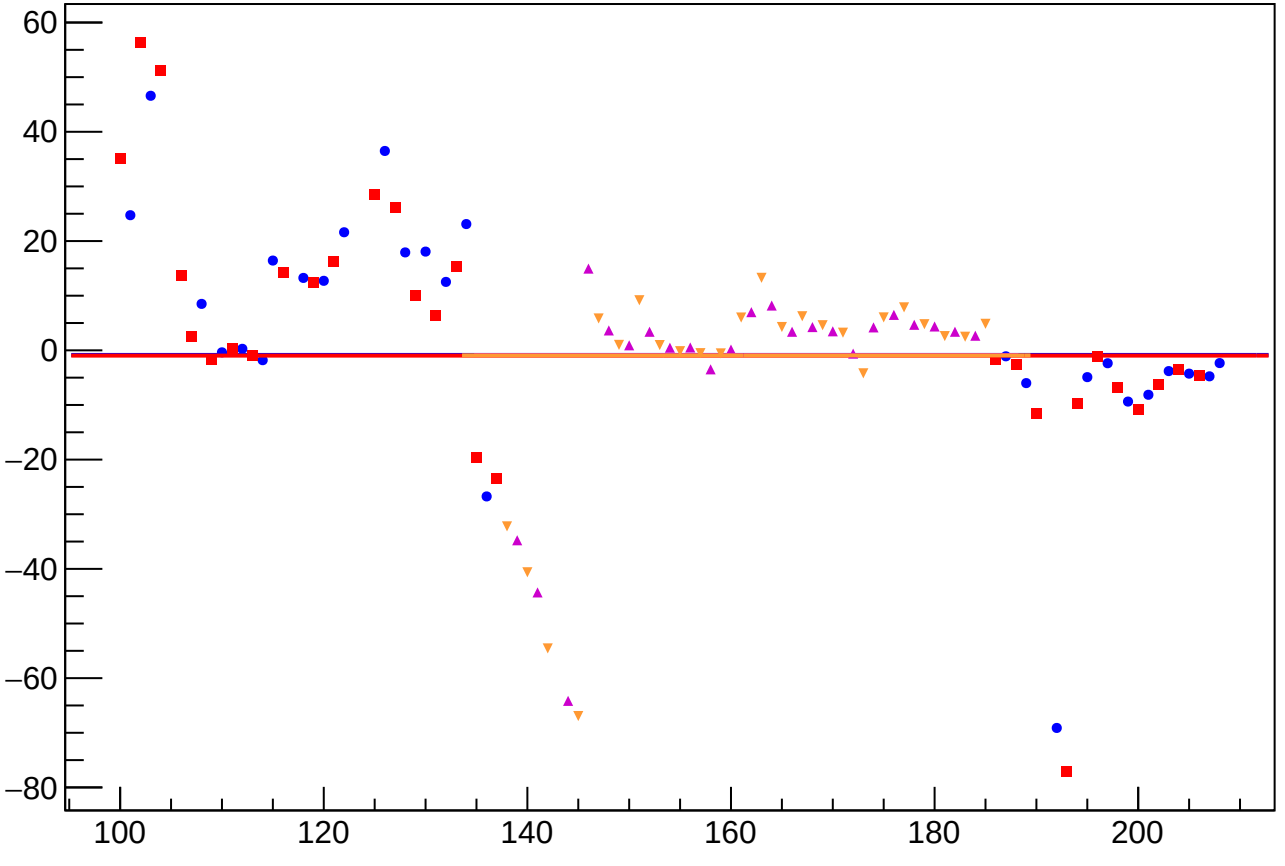
Right: 0.110+/-0.032 χ^2/NDF: 10987.2/55

In: 0.294+/-0.026 χ^2/NDF:13131.8/49

Out: 0.448+/-0.027 χ^2/NDF:9807.0/52

All: 0.369+/-0.019 χ^2/NDF: 22956.1/102

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.843+/-0.040 χ^2/NDF: 119098.0/26

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -0.966+/-0.038 χ^2/NDF: 116925.2/28

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

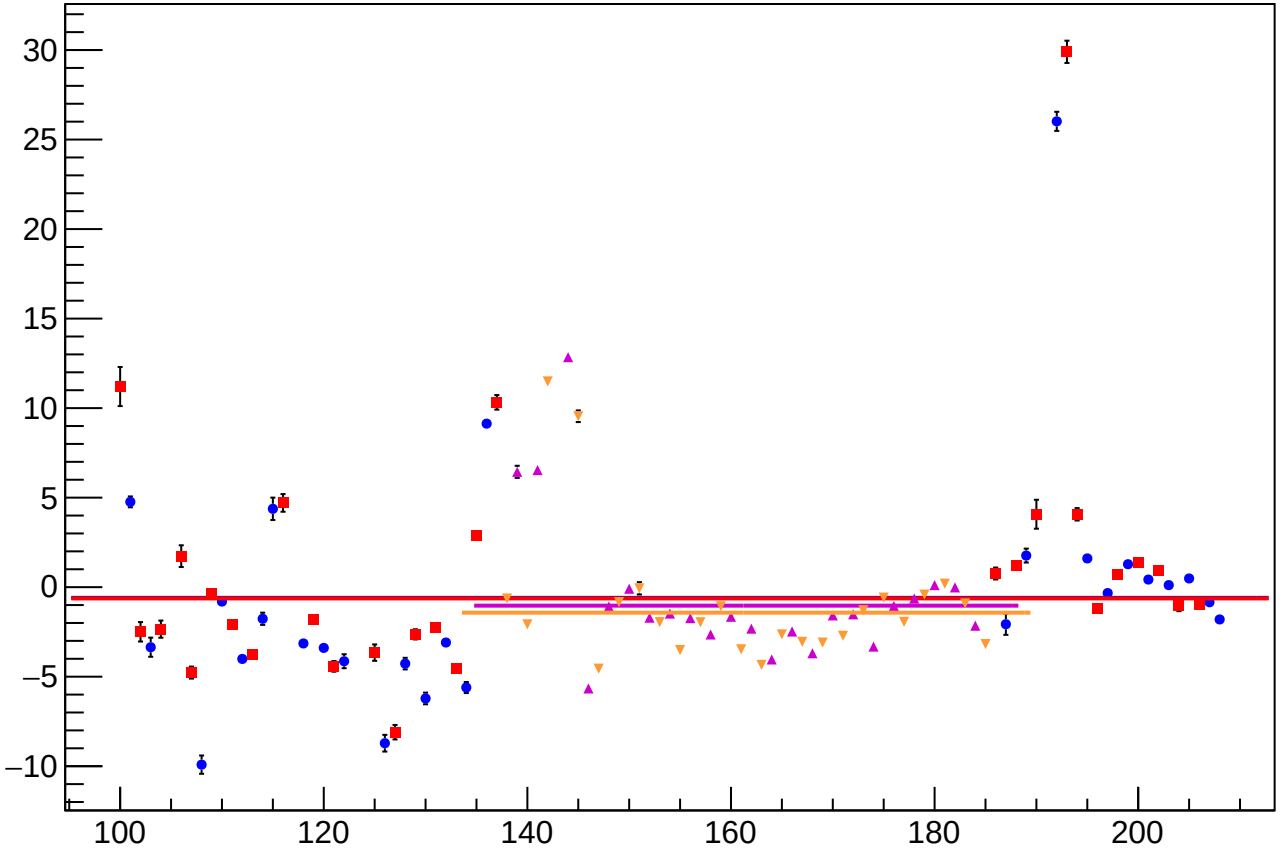
Right: -0.909+/-0.028 χ^2/NDF: 236028.2/55

In: -0.850+/-0.028 χ^2/NDF:248588.9/49

Out: -0.948+/-0.028 χ^2/NDF:243285.8/52

All: -0.900+/-0.020 χ^2/NDF: 491880.8/102

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.598+/-0.054 χ^2/NDF: 7475.7/26

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.628+/-0.052 χ^2/NDF: 5505.5/28

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

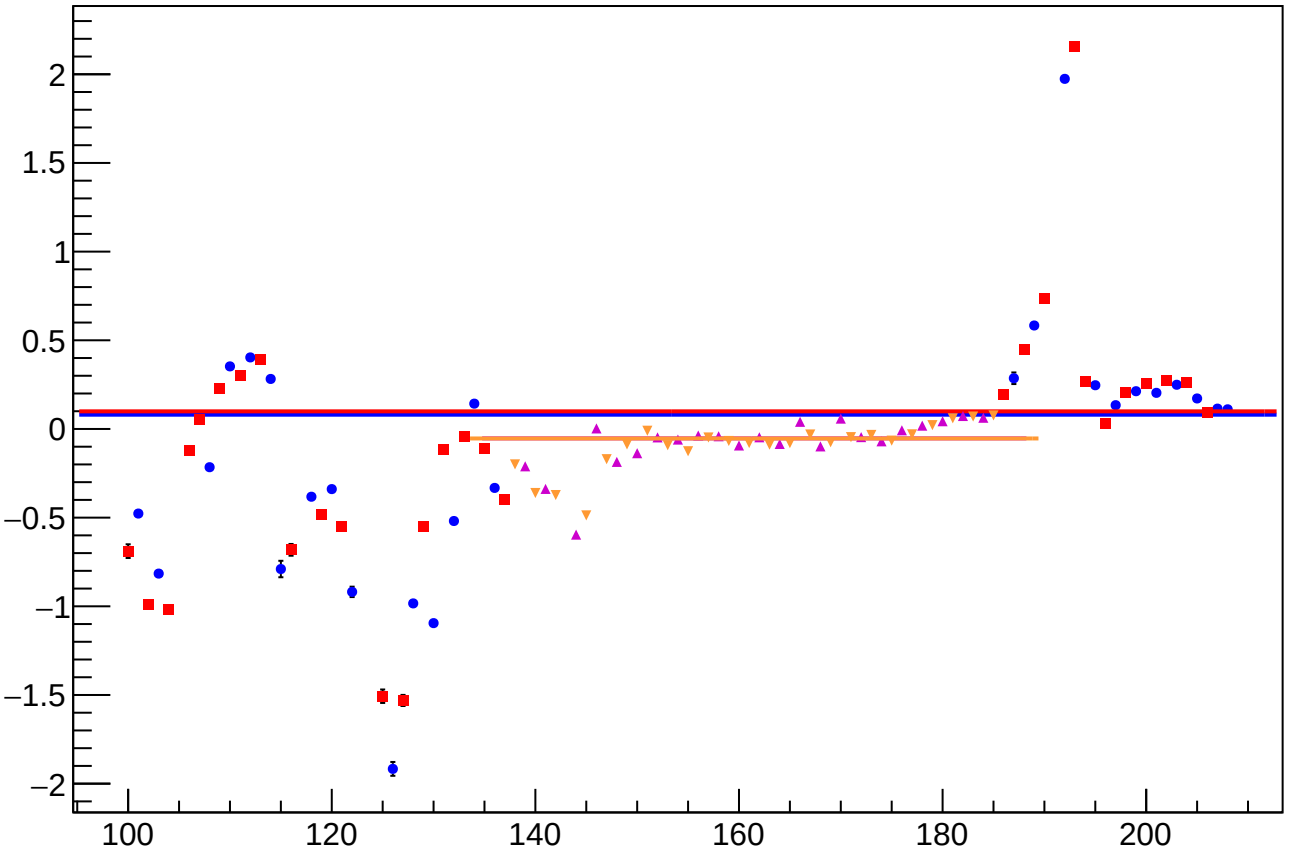
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.613+/-0.037 χ^2/NDF: 12981.4/55

In: -0.904+/-0.029 χ^2/NDF:14573.2/49

Out: -1.160+/-0.030 χ^2/NDF:10302.6/52

All: -1.029+/-0.021 χ^2/NDF: 24913.4/102



Right In: 0.080+/-0.002 χ^2/NDF: 34340.7/26

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.099+/-0.002 χ^2/NDF: 34017.1/28

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

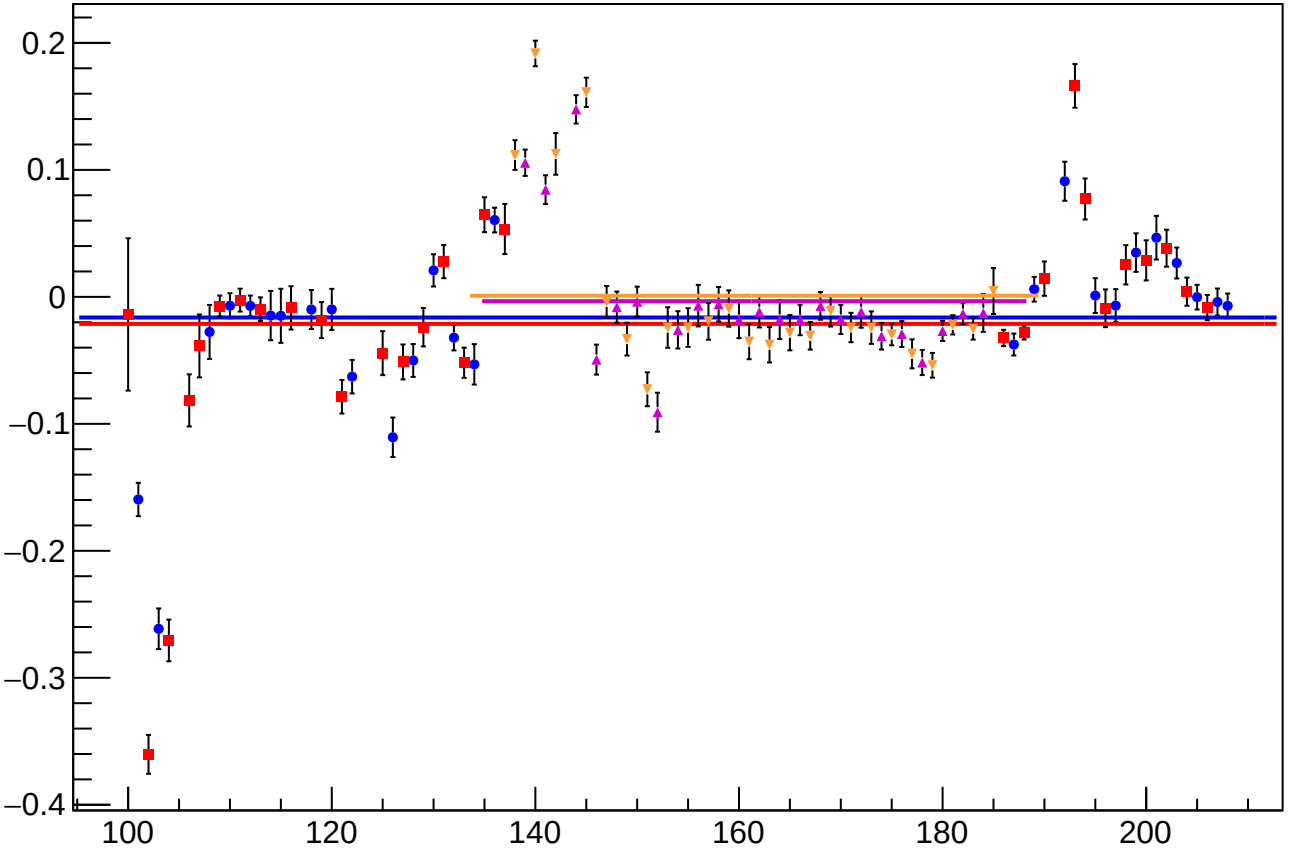
Right: 0.090+/-0.002 χ^2/NDF: 68389.5/55

In: -0.015+/-0.001 χ^2/NDF:41625.4/49

Out: -0.006+/-0.001 χ^2/NDF:41242.9/52

All: -0.011+/-0.001 χ^2/NDF: 82897.3/102

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.016+/-0.002 χ^2/NDF: 595.6/26

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.021+/-0.002 χ^2/NDF: 1050.6/28

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

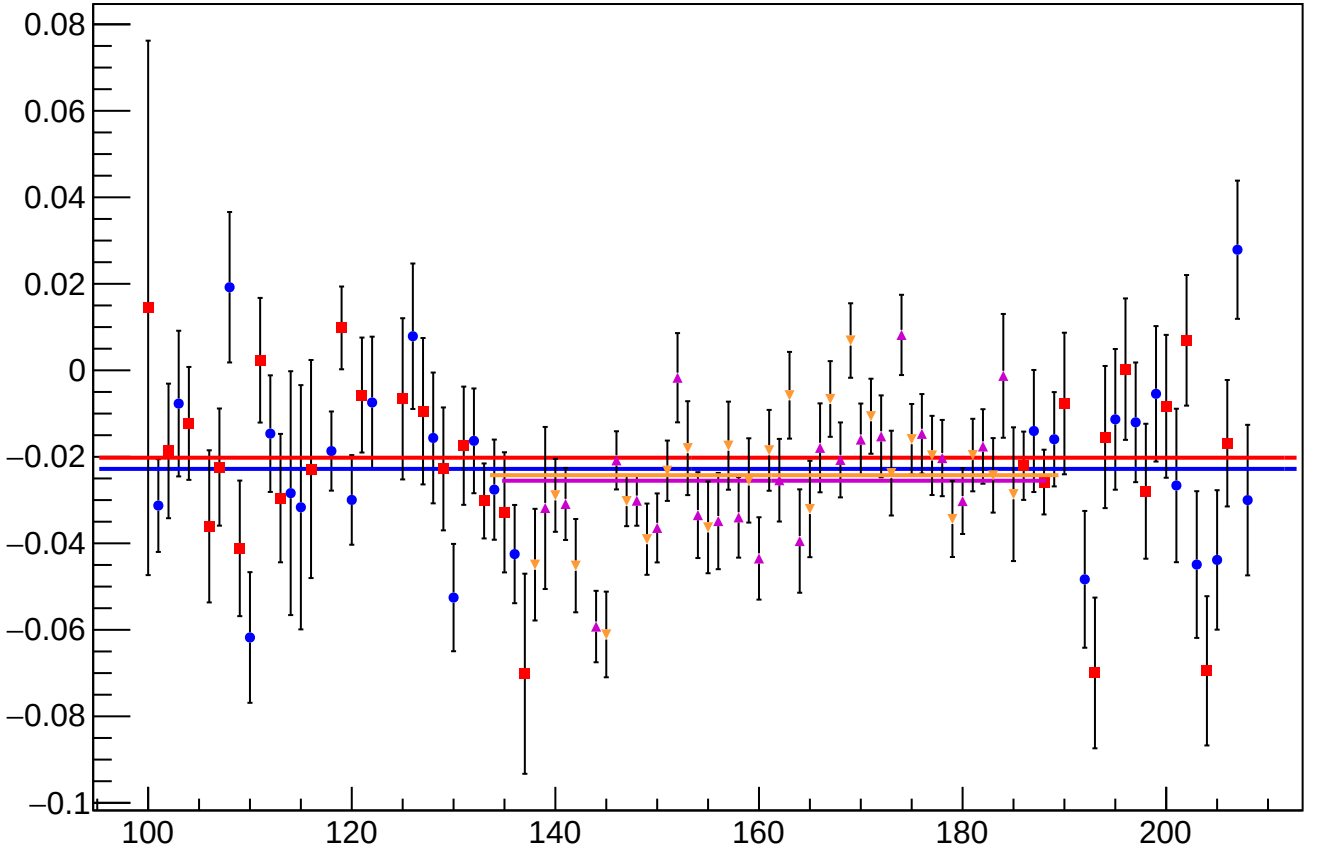
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.019+/-0.002 χ^2/NDF: 1648.6/55

In: -0.010+/-0.002 χ^2/NDF:1068.1/49

Out: -0.011+/-0.002 χ^2/NDF:1946.7/52

All: -0.011+/-0.001 χ^2/NDF: 3015.1/102



Right In: -0.023+/-0.003 χ^2/NDF: 48.3/26

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 48.3/28

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

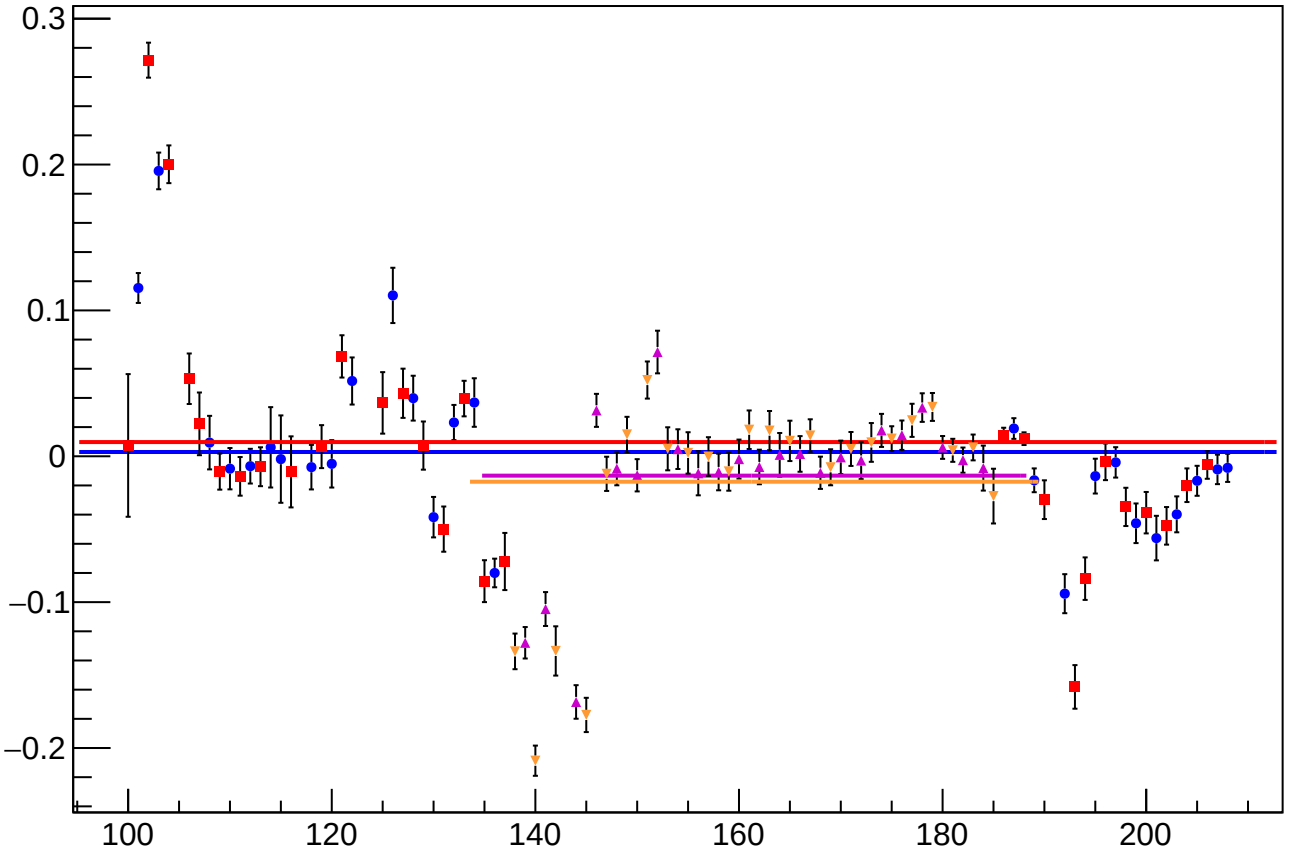
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.021+/-0.002 χ^2/NDF: 97.0/55

In: -0.025+/-0.002 χ^2/NDF:104.0/49

Out: -0.023+/-0.001 χ^2/NDF:103.7/52

All: -0.024+/-0.001 χ^2/NDF: 208.4/102



Right In: 0.003+/-0.002 χ^2/NDF: 605.1/26

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.010+/-0.002 χ^2/NDF: 1043.1/28

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

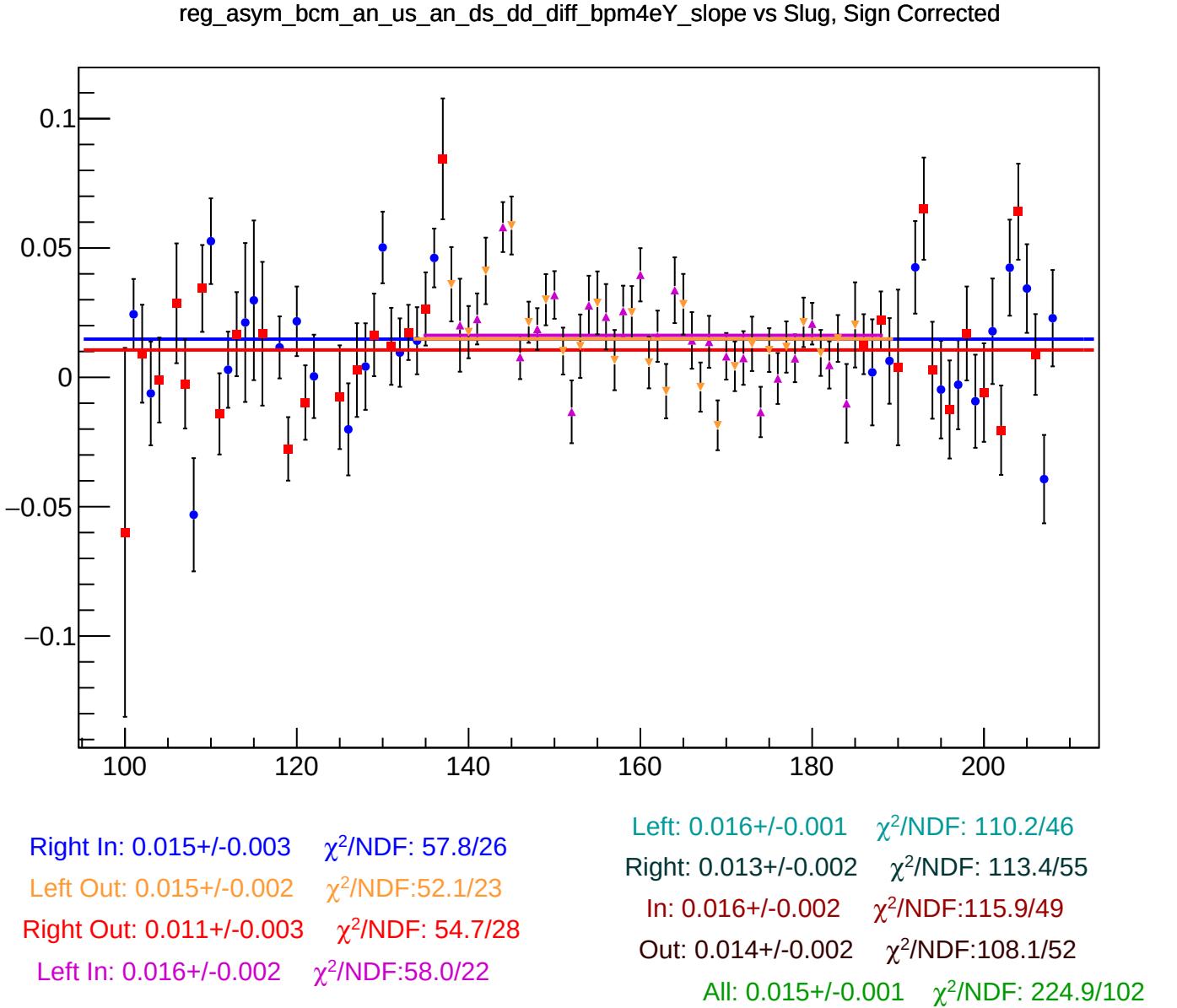
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

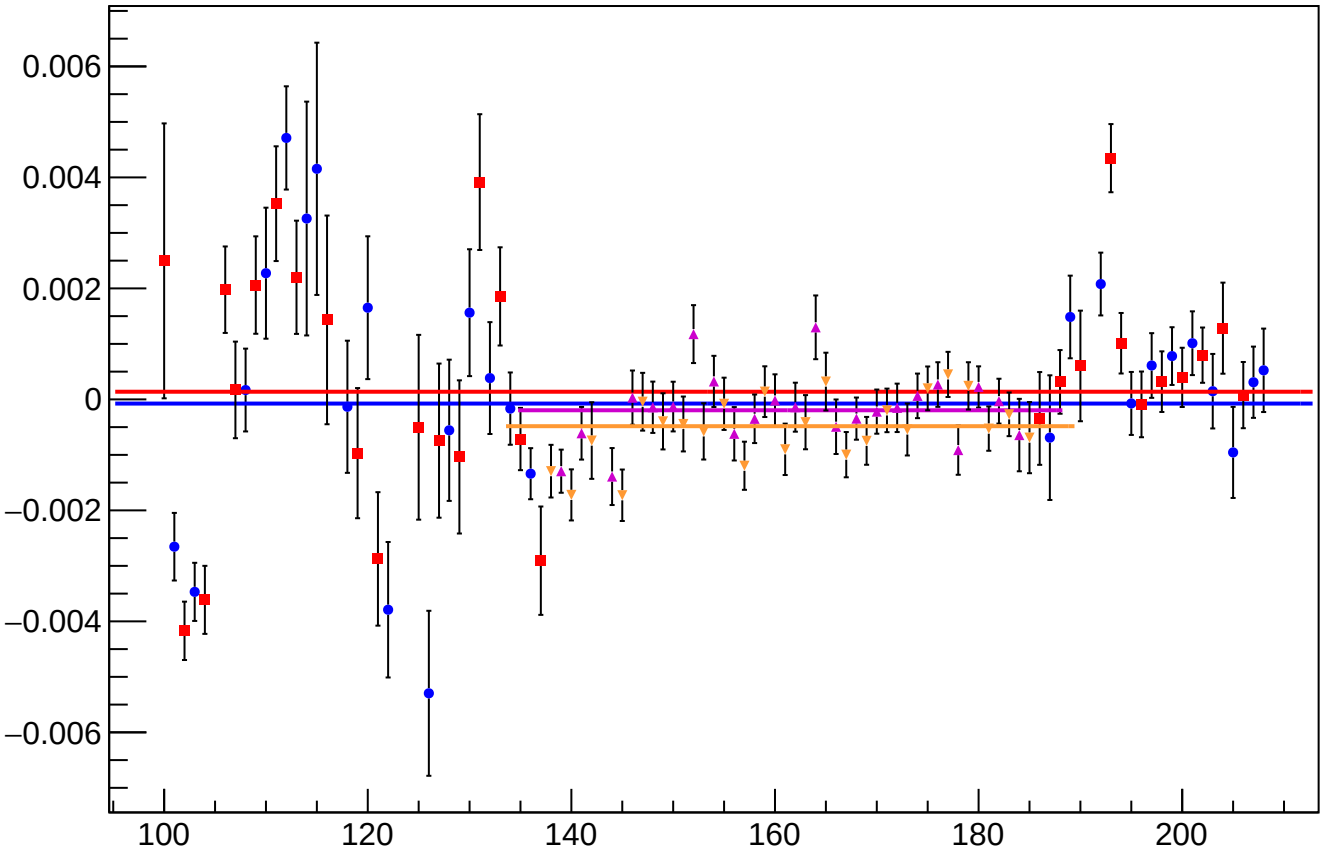
Right: 0.007+/-0.002 χ^2/NDF: 1652.9/55

In: -0.005+/-0.002 χ^2/NDF:1087.2/49

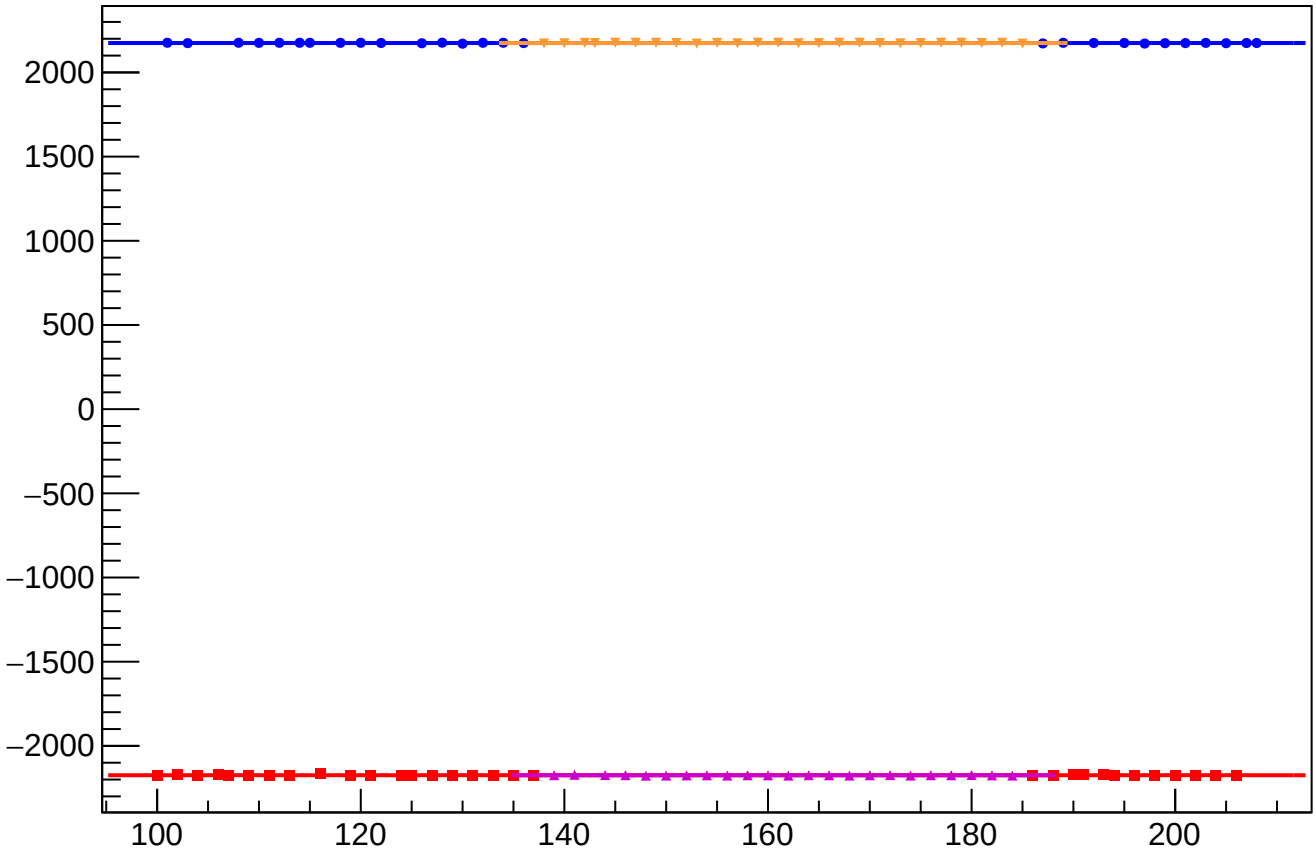
Out: -0.002+/-0.002 χ^2/NDF:1928.0/52

All: -0.004+/-0.001 χ^2/NDF: 3016.7/102


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.015+/-0.003 χ²/NDF: 57.8/26
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 54.7/28
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.002 χ²/NDF: 113.4/55
In: 0.016+/-0.002 χ²/NDF:115.9/49
Out: 0.014+/-0.002 χ²/NDF:108.1/52
All: 0.015+/-0.001 χ²/NDF: 224.9/102


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 158.9/26
Left Out: -0.000+/-0.000 χ²/NDF:40.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 219.3/28
Left In: -0.000+/-0.000 χ²/NDF:37.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.8/46
Right: 0.000+/-0.000 χ²/NDF: 379.3/55
In: -0.000+/-0.000 χ²/NDF:196.6/49
Out: -0.000+/-0.000 χ²/NDF:273.8/52
All: -0.000+/-0.000 χ²/NDF: 471.8/102

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.774+/-0.000 χ^2/NDF: 319825477131342449242191745882521 6.0/26

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.360+/-0.000 χ^2/NDF: 997248688077887114885867035951 1040.0/30

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572 9152.0/22

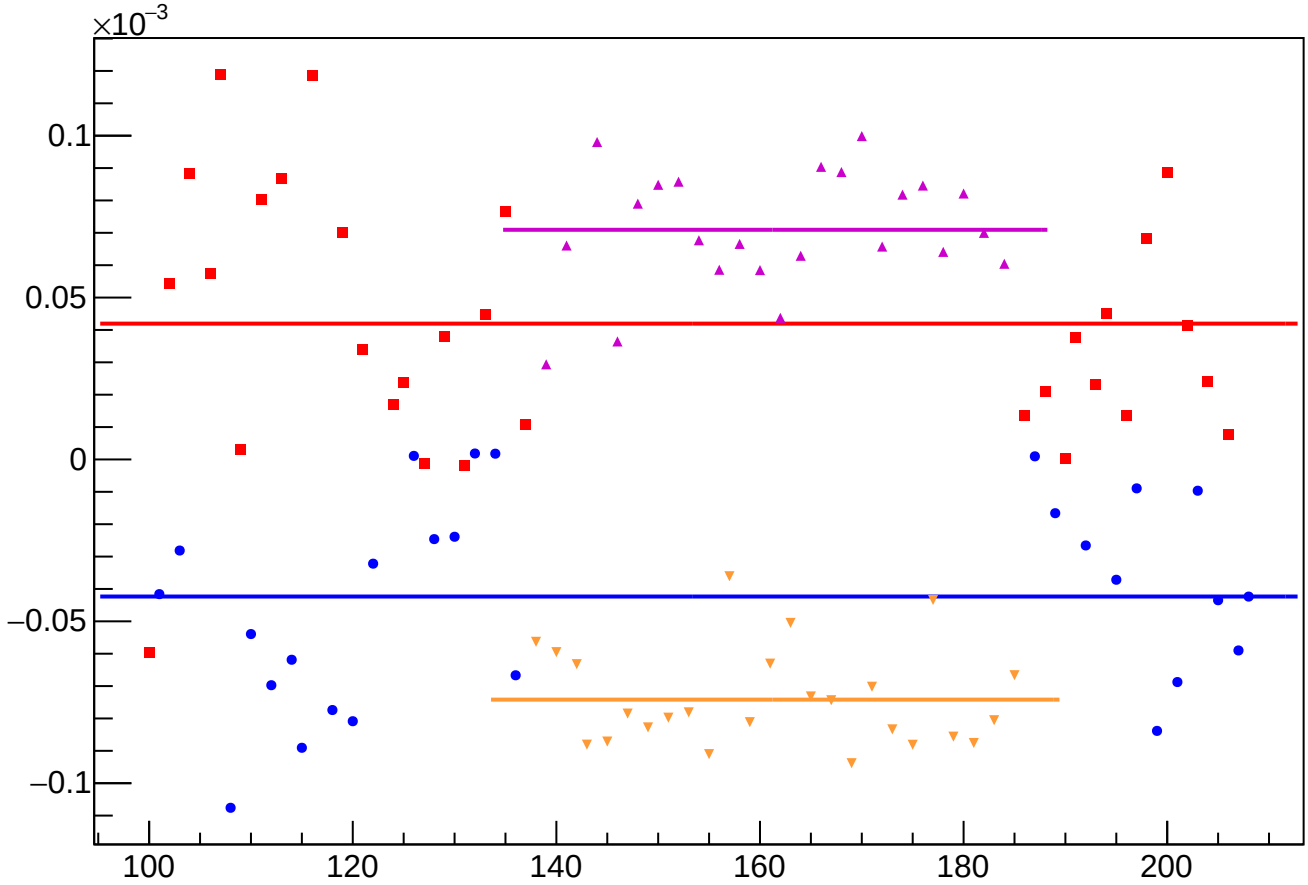
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315 0

Right: -40.624+/-0.000 χ^2/NDF: 156088132220865 0

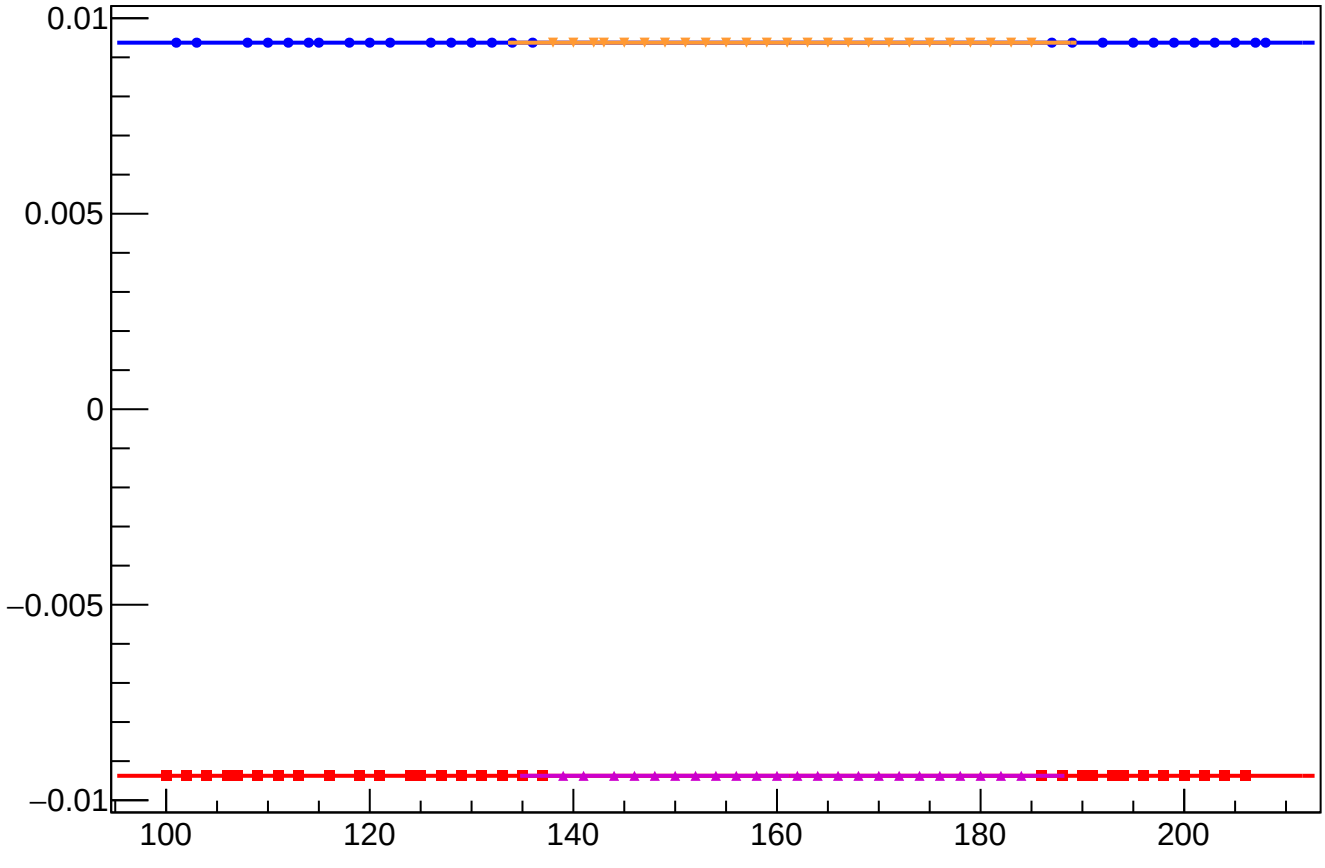
In: -176.291+/-0.000 χ^2/NDF:165654700272147 8

Out: 197.609+/-0.000 χ^2/NDF:173510284317937 0

All: 15.161+/-0.000 χ^2/NDF: 341689034855 9


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 125066135362310036363636736.0/26
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 17165379585297019389870080/30
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: 88299788678120817
In: 0.000+/-0.000 χ²/NDF:131175595423969889
Out: -0.000+/-0.000 χ²/NDF:14561486452279789
All: -0.000+/-0.000 χ²/NDF: 3060871658407

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

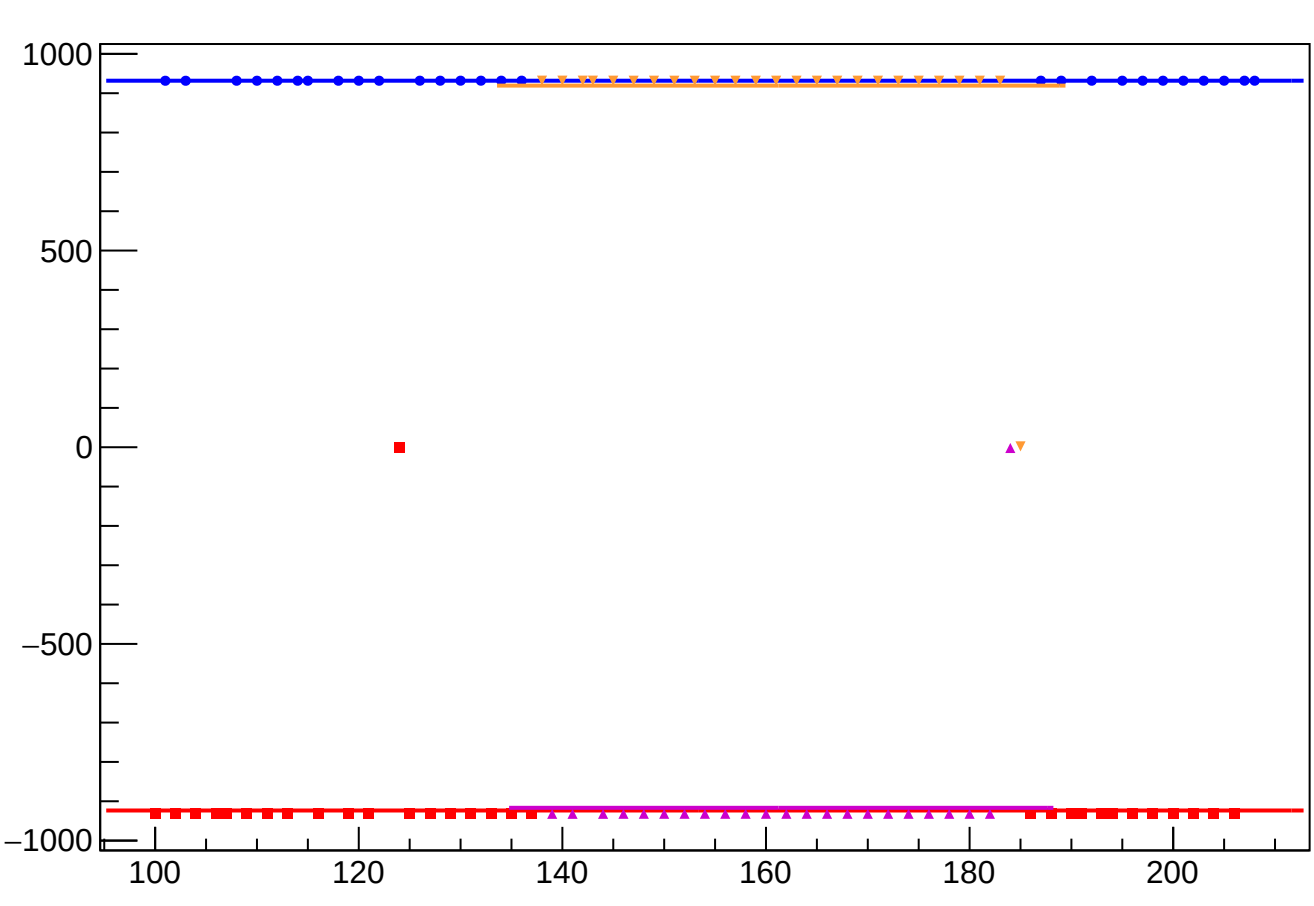
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2901125264990908

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: 0.000+/-0.000 χ^2/NDF: 6350672484771



Right In: 931.779+/-0.000 χ^2/NDF: 339157658145679247573833796812 8.0/26

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

Right Out: -923.472+/-0.000 χ^2/NDF: 1290623767679280294004340700945 8946048.0/30

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

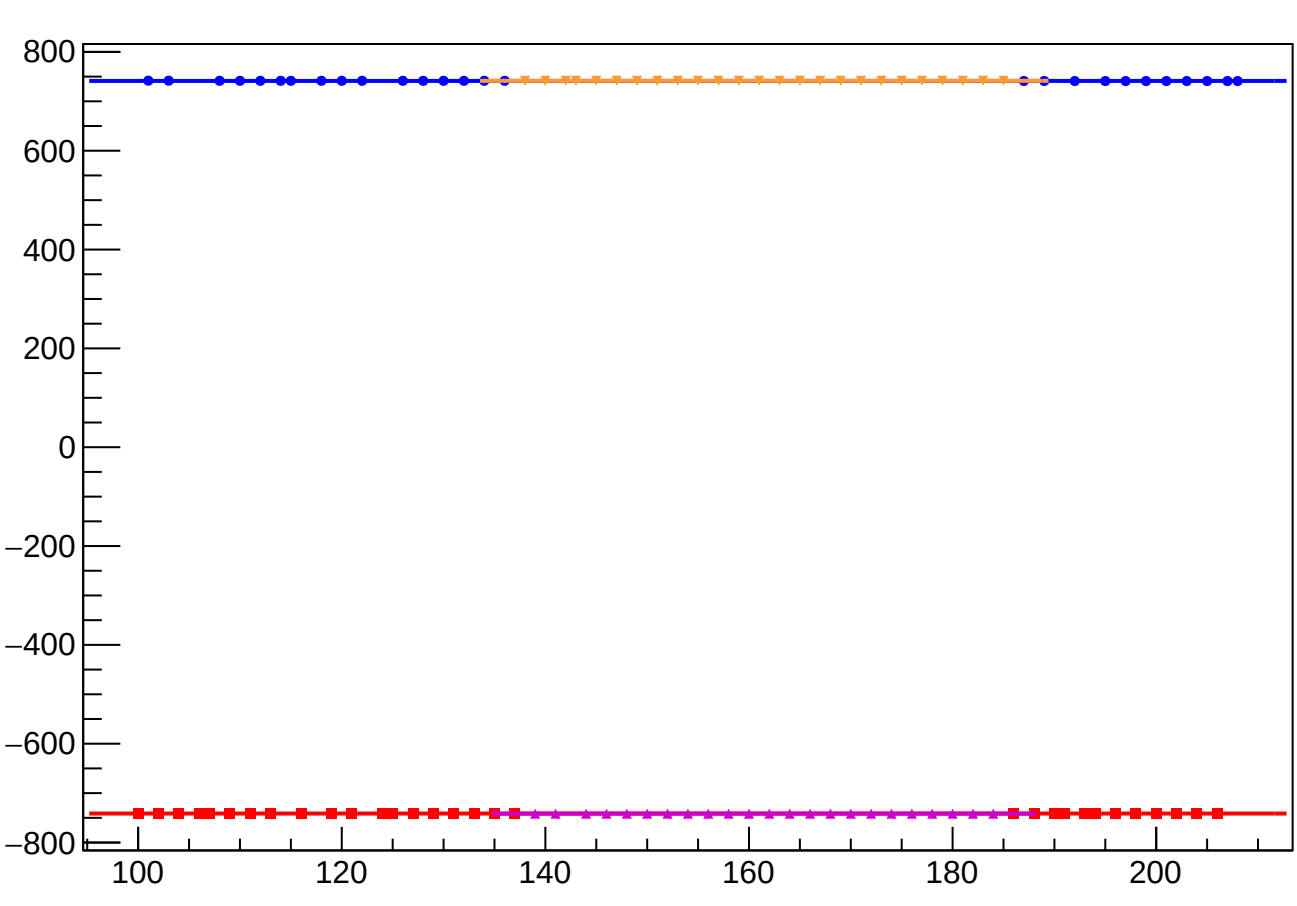
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363 2

Right: -13.264+/-0.000 χ^2/NDF: 285324134105442 0

In: -67.402+/-0.000 χ^2/NDF:3018381546700376 4

Out: 81.612+/-0.000 χ^2/NDF:3151308033841550 4

All: 8.899+/-0.000 χ^2/NDF: 6209779866838 3



Right In: 741.280+/-0.000 χ^2/NDF: 12146239673521979514041079640883 2.0/26

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: -741.290+/-0.000 χ^2/NDF: 12497499582457378759139446384230 4.0/30

Left In: -741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

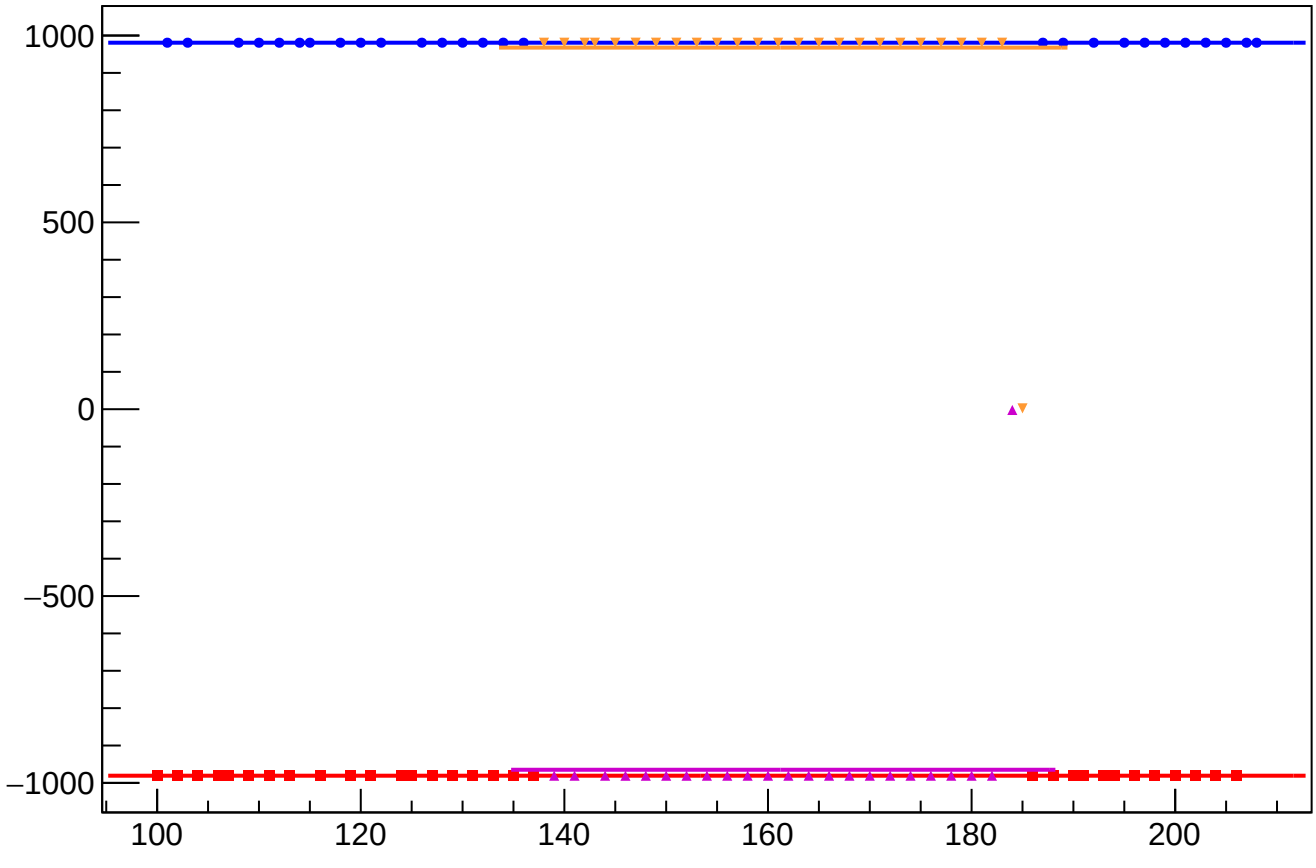
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -13.924+/-0.000 χ^2/NDF: 181382222668796

In: -60.252+/-0.000 χ^2/NDF:19253805436237503

Out: 67.439+/-0.000 χ^2/NDF:20170307120431241

All: 5.131+/-0.000 χ^2/NDF: 3971849025177



Left: 28.991+/-0.000 χ^2/NDF: 3715452335680680

Right In: 980.806+/-0.000 χ^2/NDF: 1854101372643293583221177974784.0/26

Right: -18.402+/-0.000 χ^2/NDF: 3175249189720225

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

In: -70.932+/-0.000 χ^2/NDF:33442613953121031

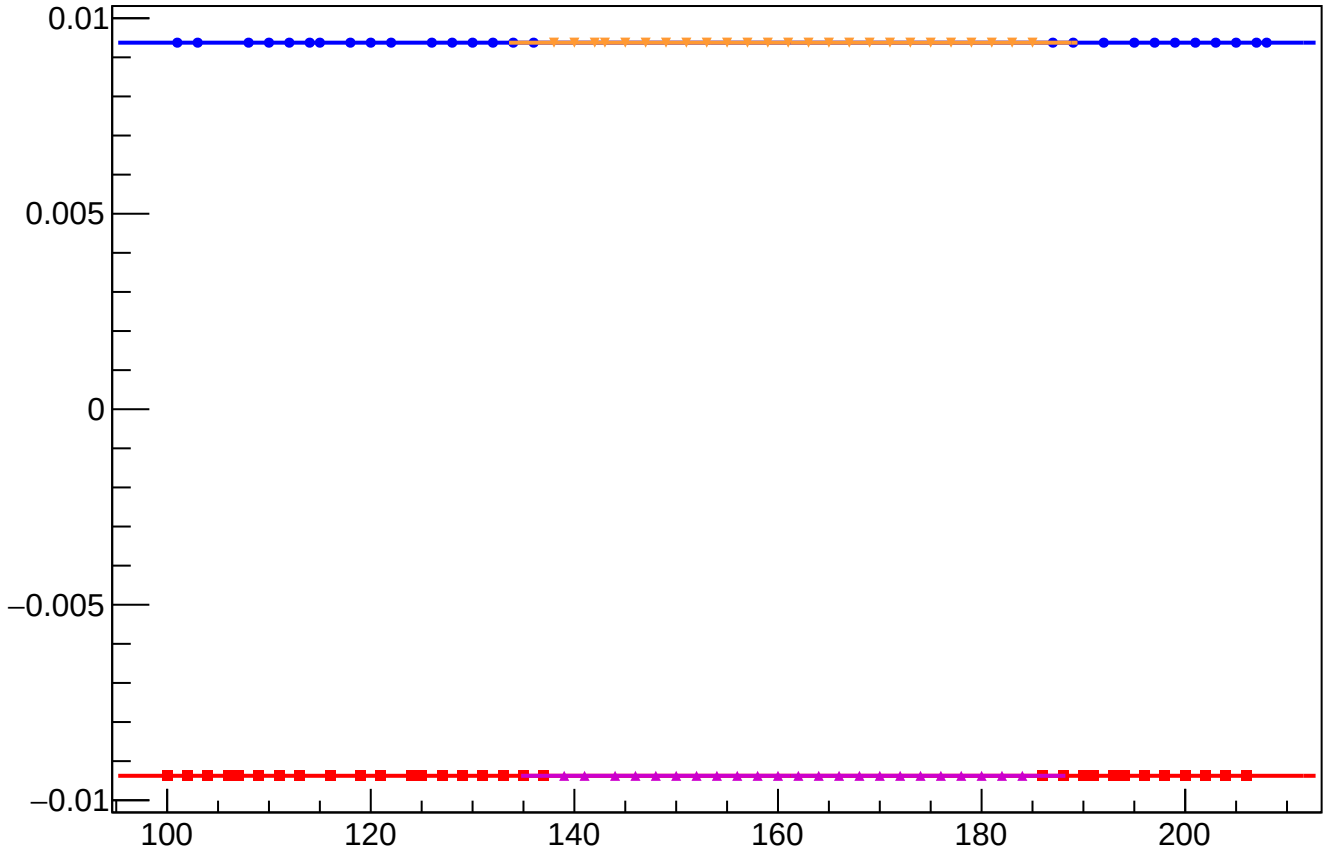
Right Out: -980.778+/-0.000 χ^2/NDF: 6340491652581270169990077612032 0.0/30

Out: 81.920+/-0.000 χ^2/NDF:3508285690282467 5

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

All: 7.334+/-0.000 χ^2/NDF: 6894728980596 3

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

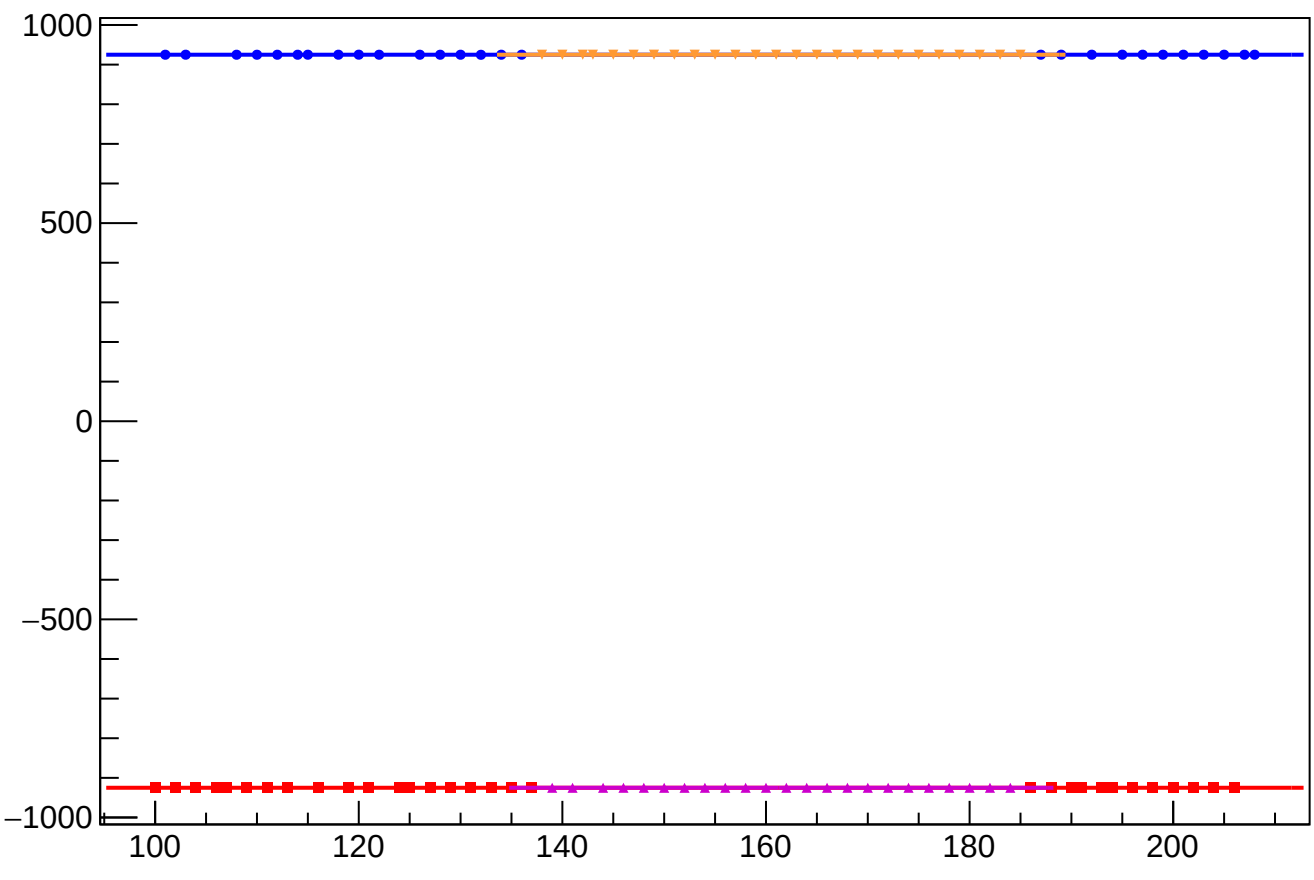
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2901125264990908

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: 0.000+/-0.000 χ^2/NDF: 6350672484771



Right In: 924.994+/-0.000 χ^2/NDF: 3716436755433912263442402639872.0/26

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.995+/-0.000 χ^2/NDF: 19480376443588010571087300526 08.0/30

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

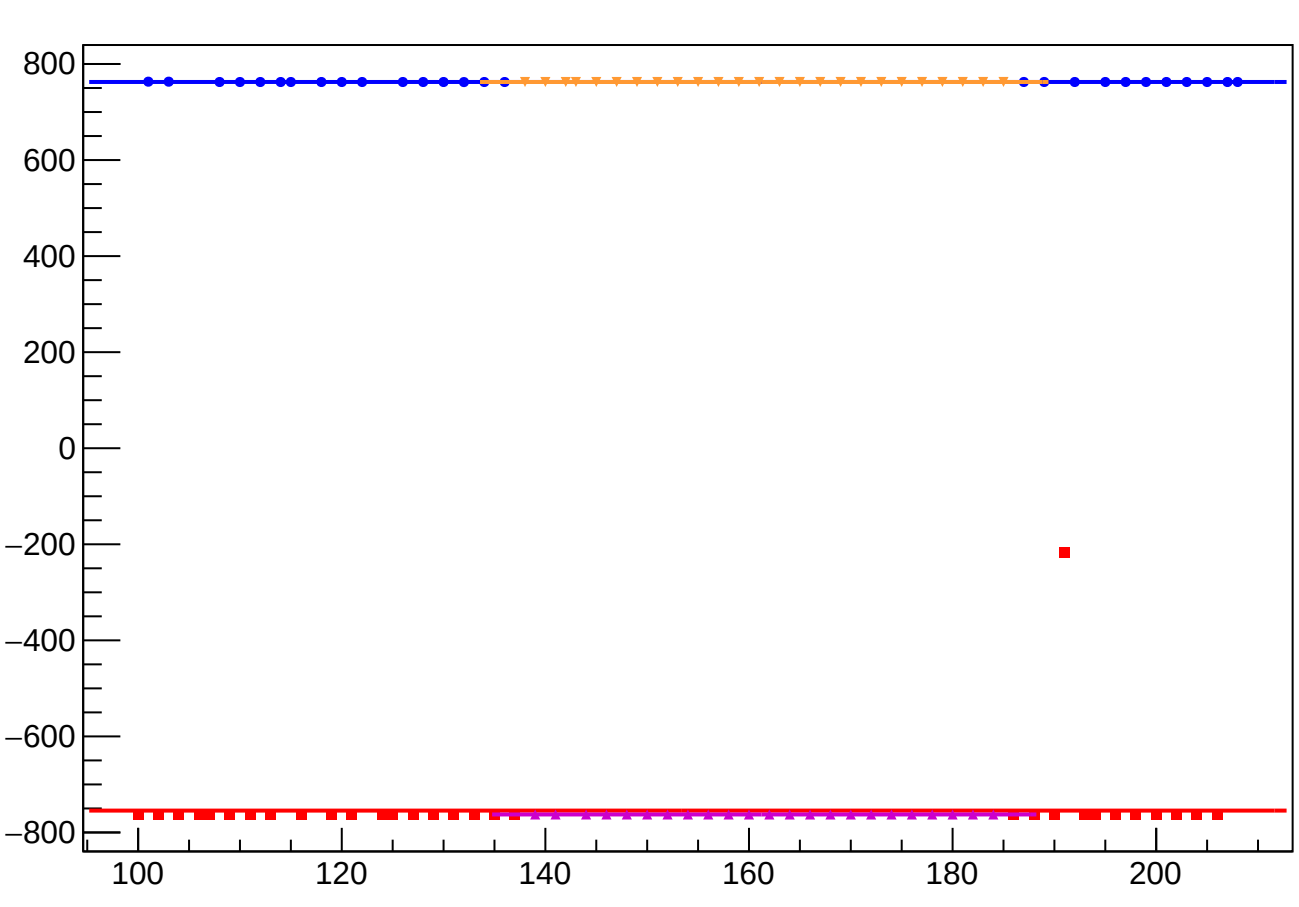
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

Right: -17.369+/-0.000 χ^2/NDF: 2824243831879630

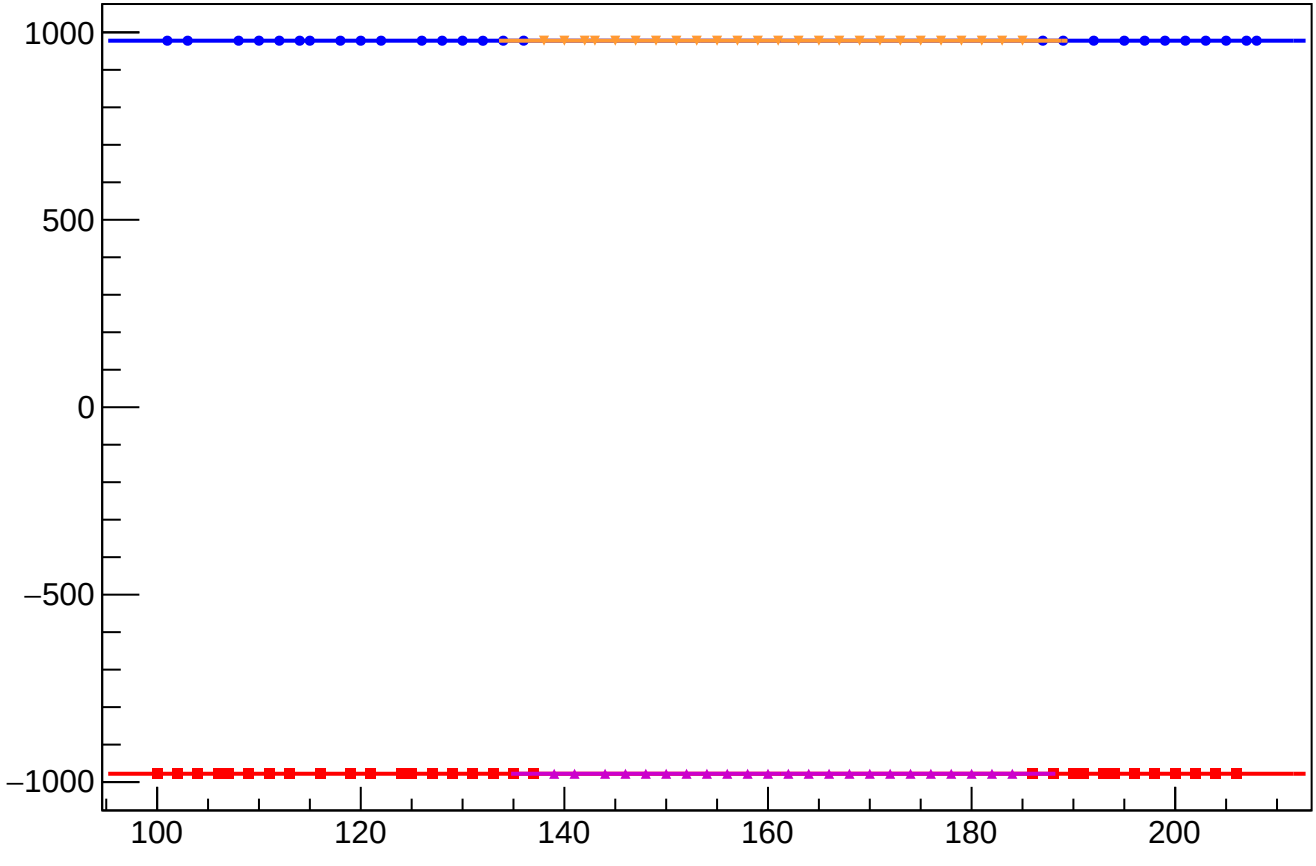
In: -75.022+/-0.000 χ^2/NDF:29970105391413800

Out: 83.993+/-0.000 χ^2/NDF:31396313531308824

All: 6.400+/-0.000 χ^2/NDF: 6182294232250


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 762.565+/-0.000 χ²/NDF: 553333050346417986503023672688640/26
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -754.464+/-0.000 χ²/NDF: 732877271377840939395180390960542515 2.0/30
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -10.192+/-0.000 χ²/NDF: 1906446189470241
In: -61.828+/-0.000 χ²/NDF:20367755593600533
Out: 72.906+/-0.000 χ²/NDF:21184168846395297
All: 7.161+/-0.000 χ²/NDF: 4187967381896

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.760+/-0.000 χ^2/NDF: 221375960235552294370525210214 4.0/26

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.756+/-0.000 χ^2/NDF: 2840155218169489961453940113408.0/30

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

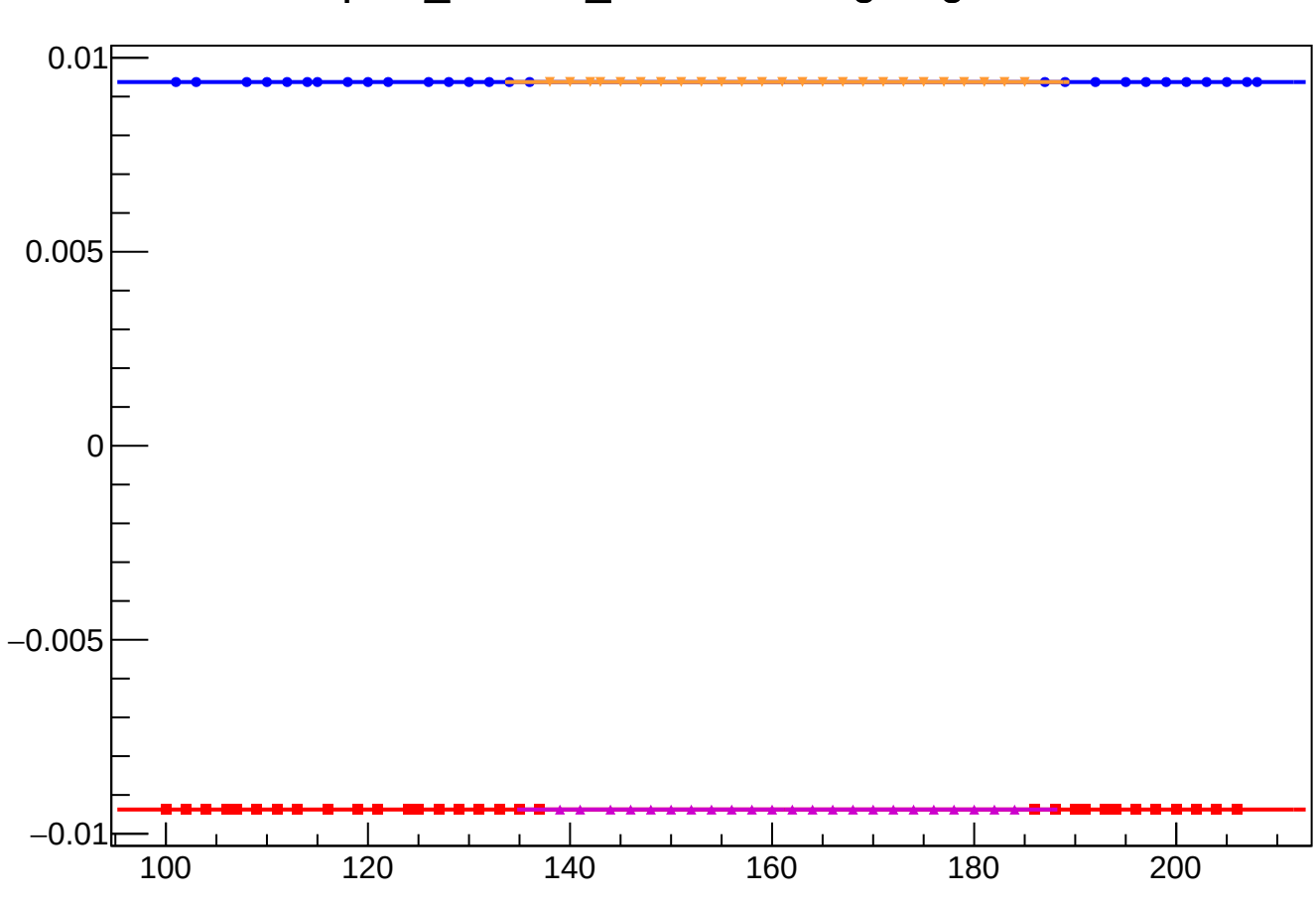
Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

Right: -18.357+/-0.000 χ^2/NDF: 315563462707617

In: -79.295+/-0.000 χ^2/NDF:33486440204303013

Out: 88.781+/-0.000 χ^2/NDF:3507990298293593

All: 6.767+/-0.000 χ^2/NDF: 6907637016336



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

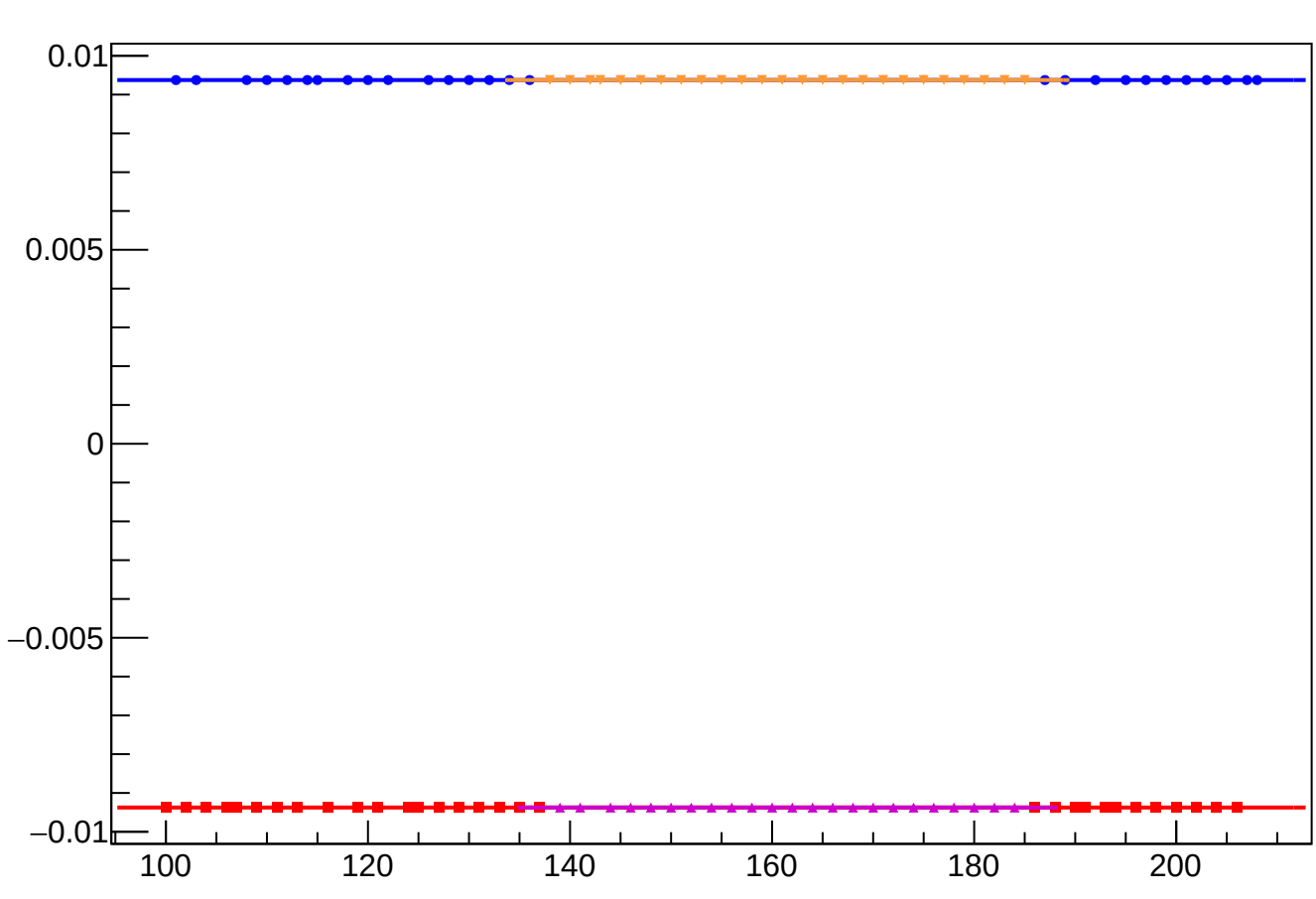
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2901125264990908

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: 0.000+/-0.000 χ^2/NDF: 6350672484771



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

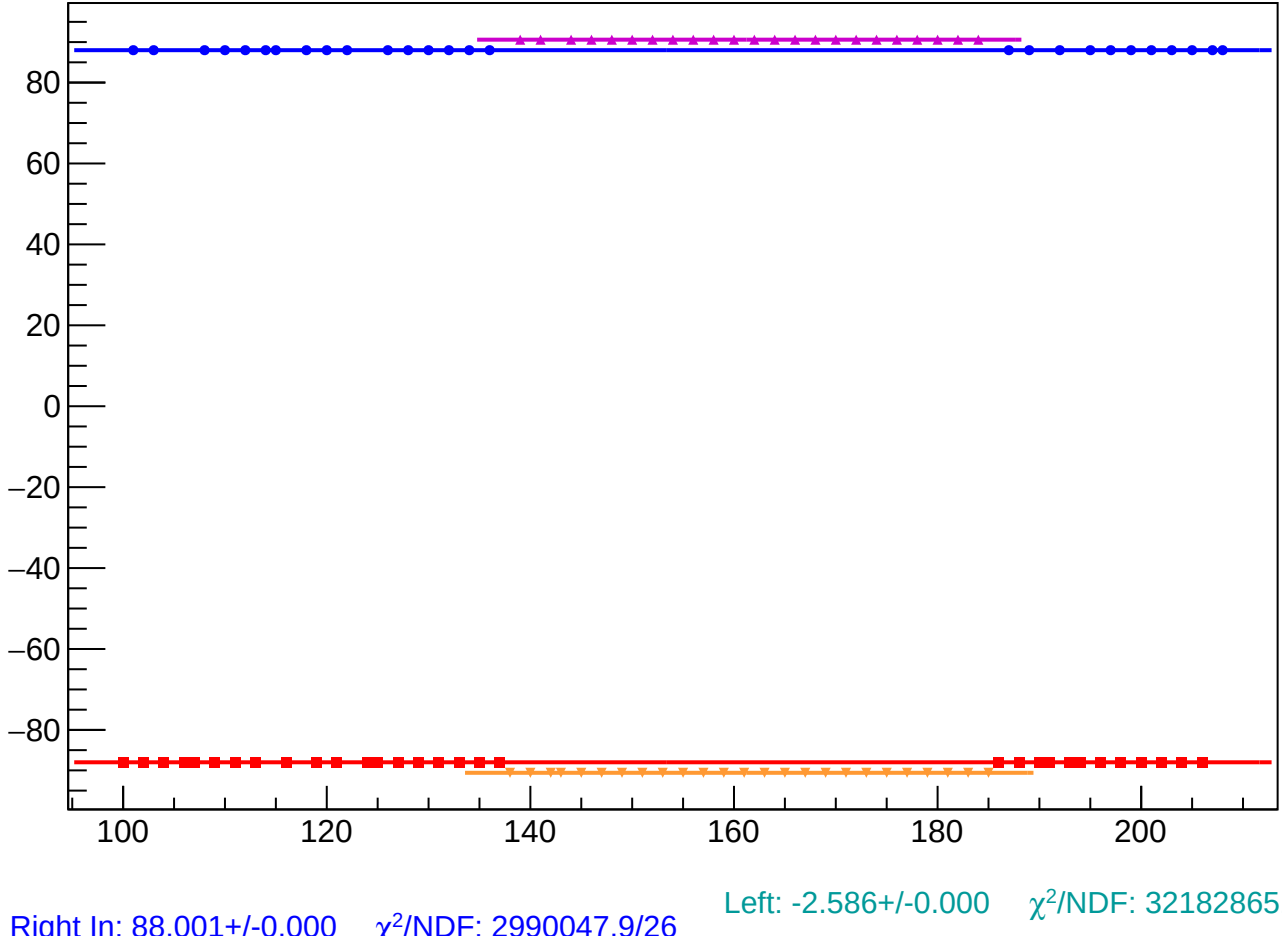
Right: -0.000+/-0.000 χ^2/NDF: 2901125264990908

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: 0.000+/-0.000 χ^2/NDF: 6350672484771

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2990047.9/26

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 76274312804047448547132440576.0/30

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

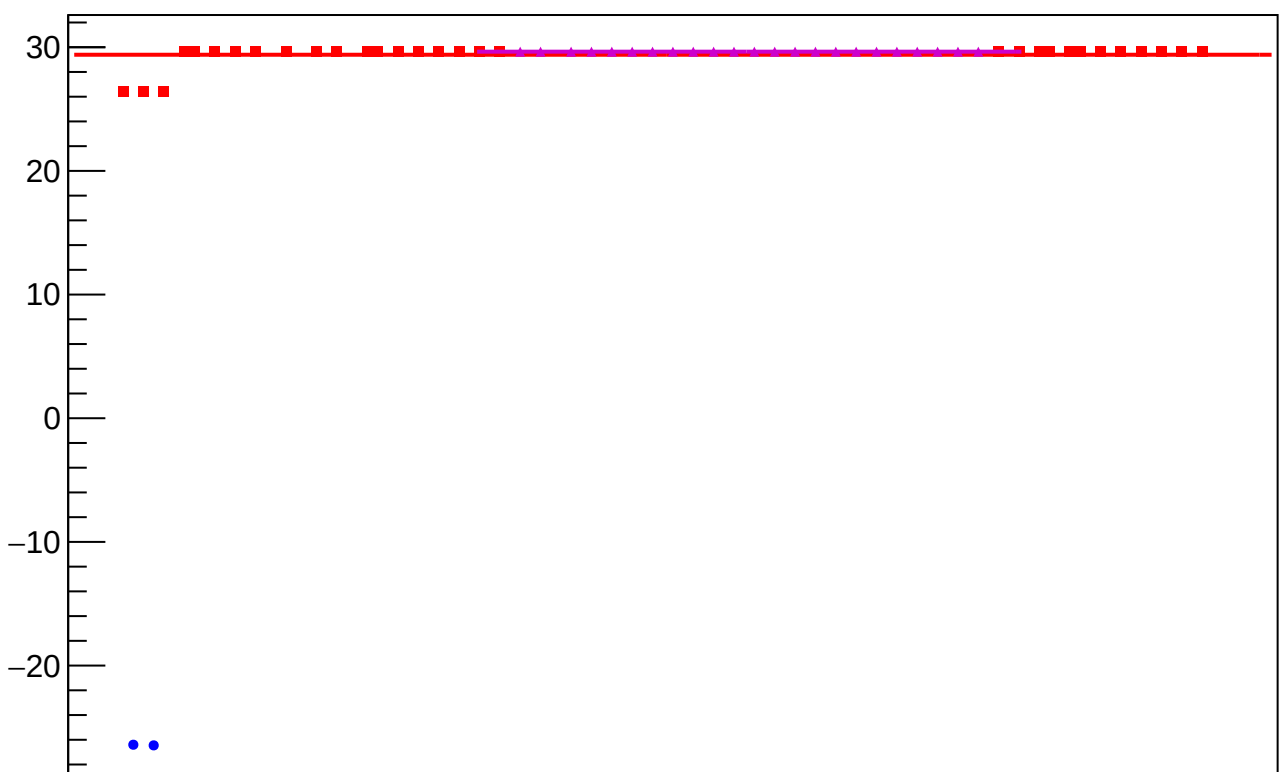
Right: -1.653+/-0.000 χ^2/NDF: 2556243768547655

In: 89.405+/-0.000 χ^2/NDF:591333362268388727

Out: -89.419+/-0.000 χ^2/NDF:6188957818001764

All: -2.160+/-0.000 χ^2/NDF: 5774686351143

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.387+/-0.000 χ^2/NDF: 12183483085714309473575653028659 20.0/26

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.392+/-0.000 χ^2/NDF: 125033156432818435664339527951 9744.0/30

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

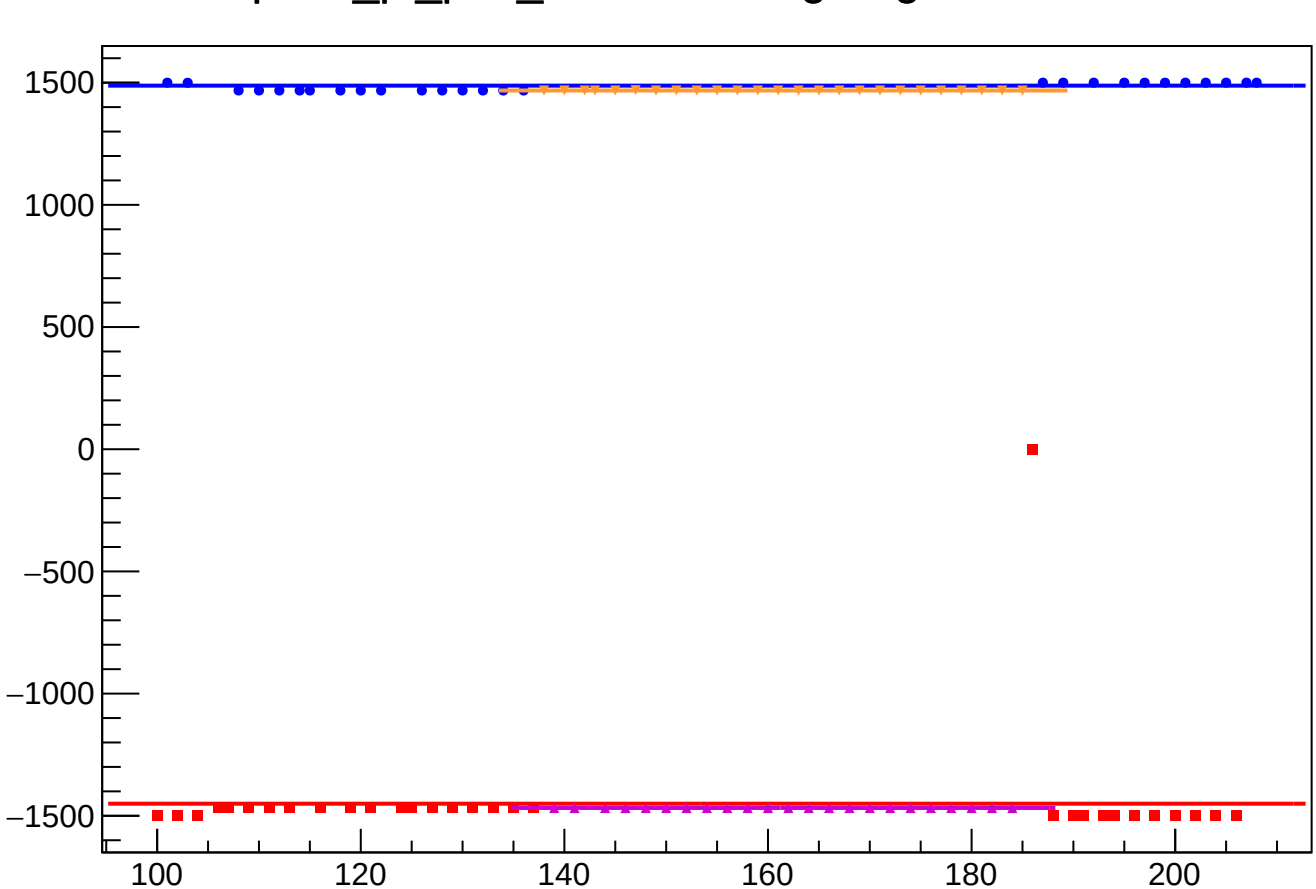
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 0.555+/-0.000 χ^2/NDF: 28535334749440253

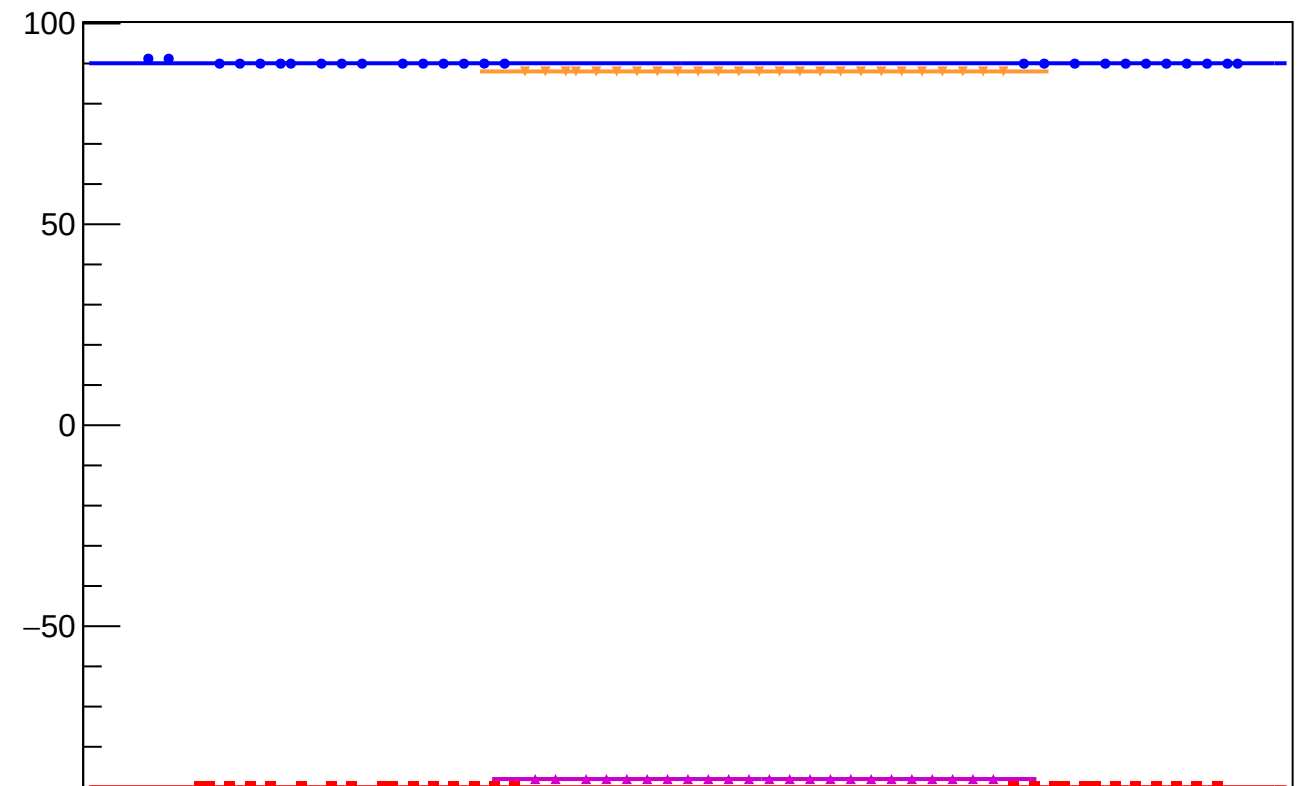
In: 2.521+/-0.000 χ^2/NDF:3052364443796883602

Out: -2.805+/-0.000 χ^2/NDF:31981860730038246

All: -0.206+/-0.000 χ^2/NDF: 6301756141204


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 41.929+/-0.000 χ²/NDF: 8449679330293095
Right In: 1487.864+/-0.000 χ²/NDF: 389950736201372218363129460613447680.0/26
Right: -8.892+/-0.000 χ²/NDF: 721613627215452
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
In: -109.942+/-0.000 χ²/NDF:7651468709093291
Right Out: -1450.476+/-0.000 χ²/NDF: 91023492131261079609265213570088435712.0/30
Out: 141.304+/-0.000 χ²/NDF:790500930332284
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
All: 18.706+/-0.000 χ²/NDF: 156704467743

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.057+/-0.000 χ^2/NDF: 178330515164460210372850338496512.0/26

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.054+/-0.000 χ^2/NDF: 183138032818098303988558018379776.0/30

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

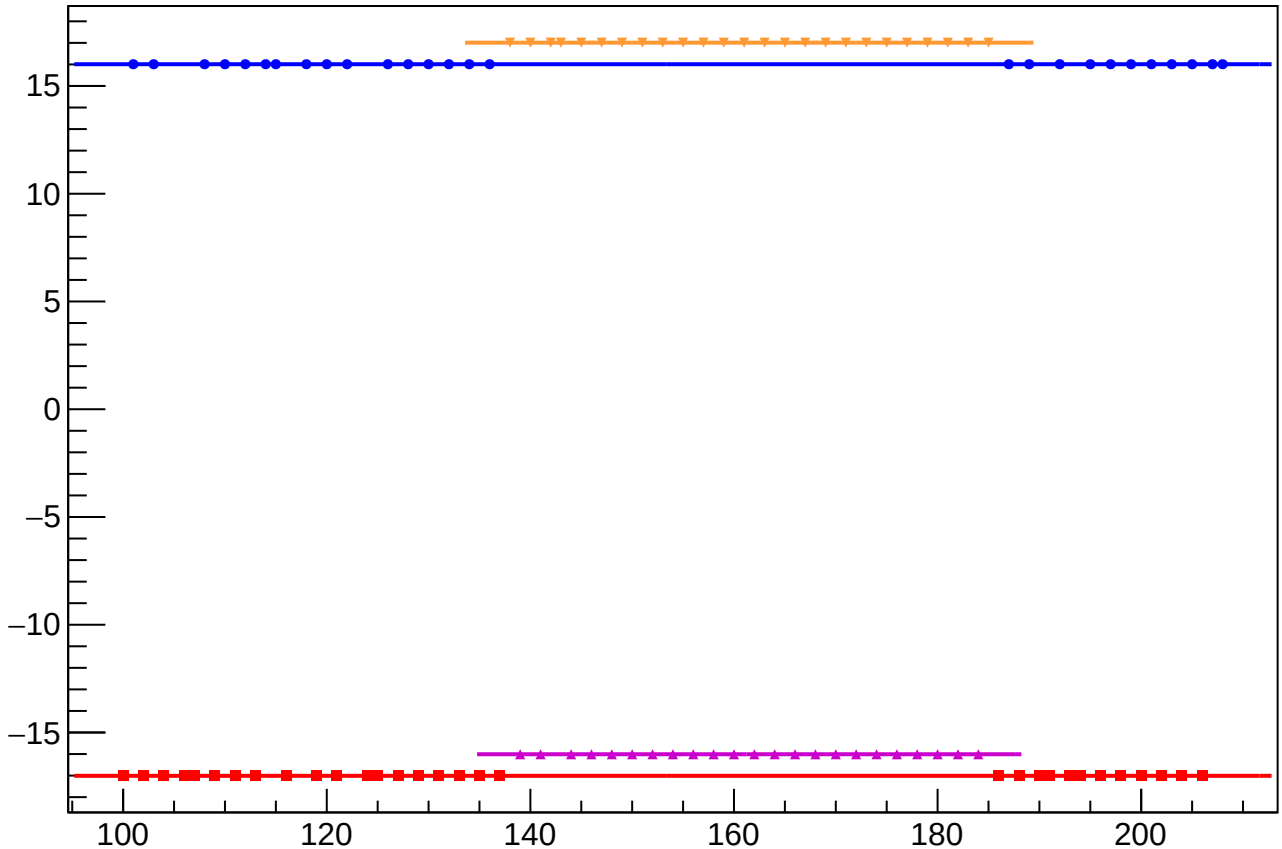
Right: -1.690+/-0.000 χ^2/NDF: 2677021644831521

In: -6.204+/-0.000 χ^2/NDF:277700822724741906

Out: 7.069+/-0.000 χ^2/NDF:290907261723182185

All: 0.592+/-0.000 χ^2/NDF: 57178865320122

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676866

Right In: 16.009+/-0.000 χ^2/NDF: 1060716973837332586168320/26

Right: -0.660+/-0.000 χ^2/NDF: 870196090026290811

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

In: -0.898+/-0.000 χ^2/NDF:855901013628170247

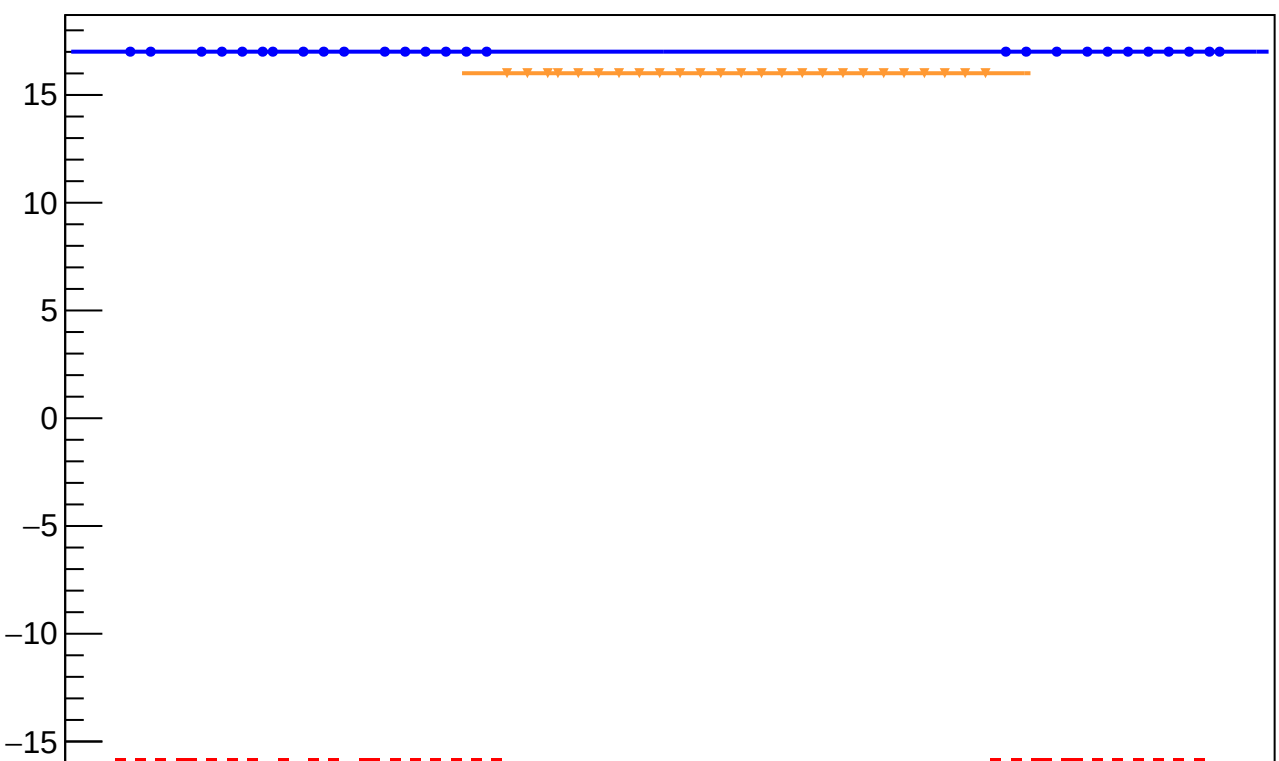
Right Out: -17.009+/-0.000 χ^2/NDF: 19686544174090609999478784.0/30

Out: 1.269+/-0.000 χ^2/NDF:1002362062634483611

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

All: 0.207+/-0.000 χ^2/NDF: 18662886187387

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 106091170477254054510592.0/26

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 651826.3/30

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

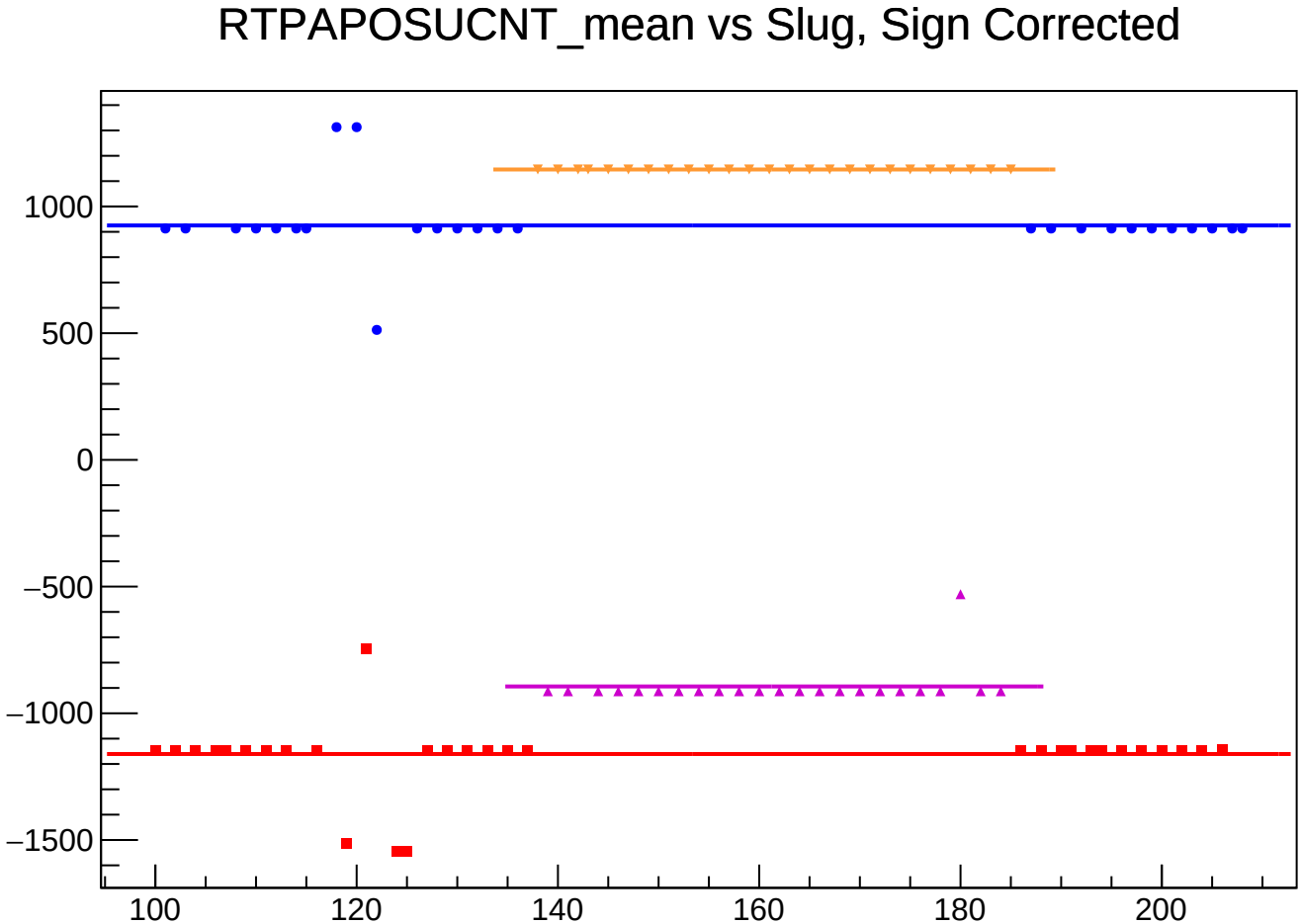
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

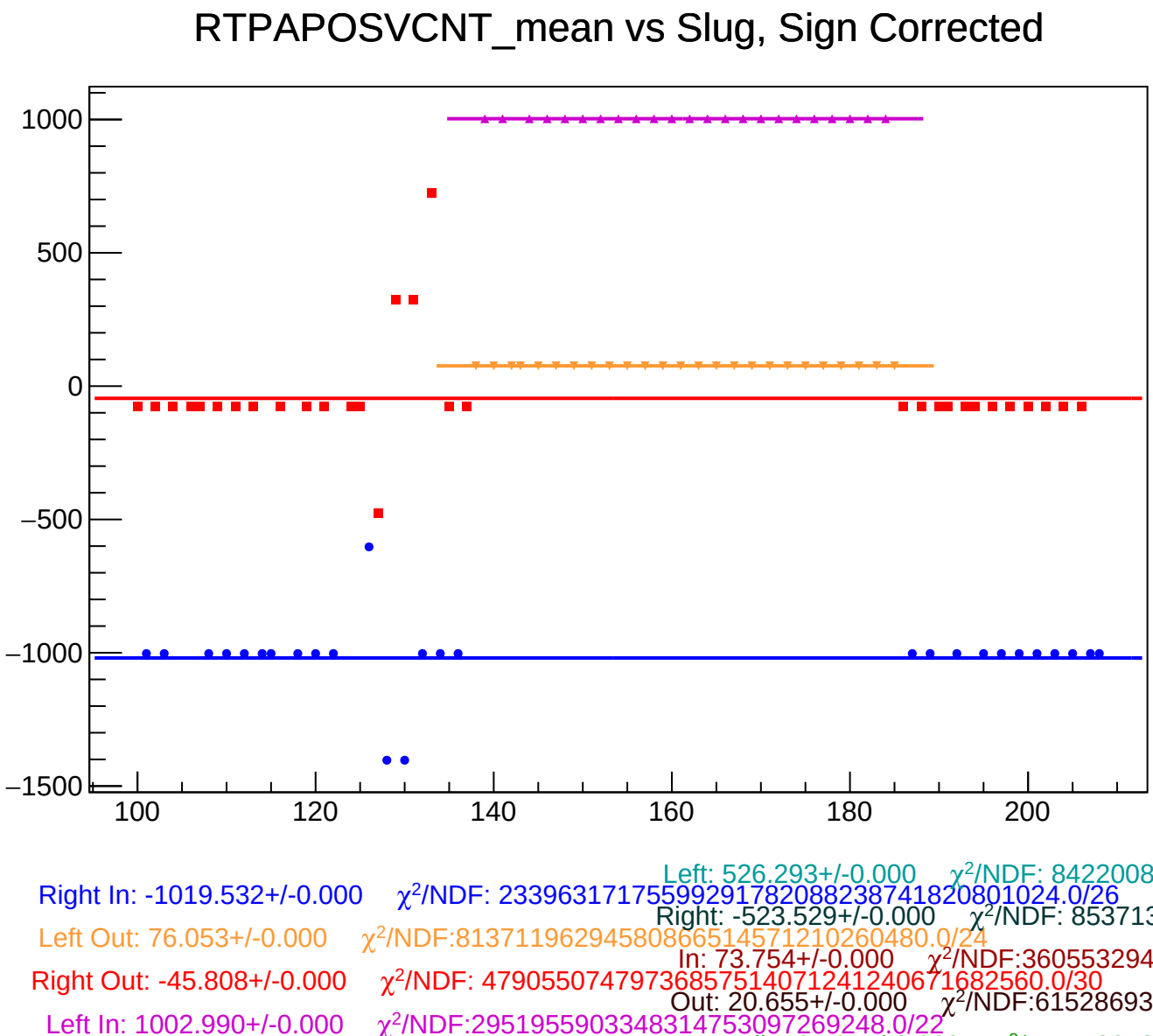
Right: 0.035+/-0.000 χ^2/NDF: 88892719668575656

In: -1.352+/-0.000 χ^2/NDF:990689281316676463

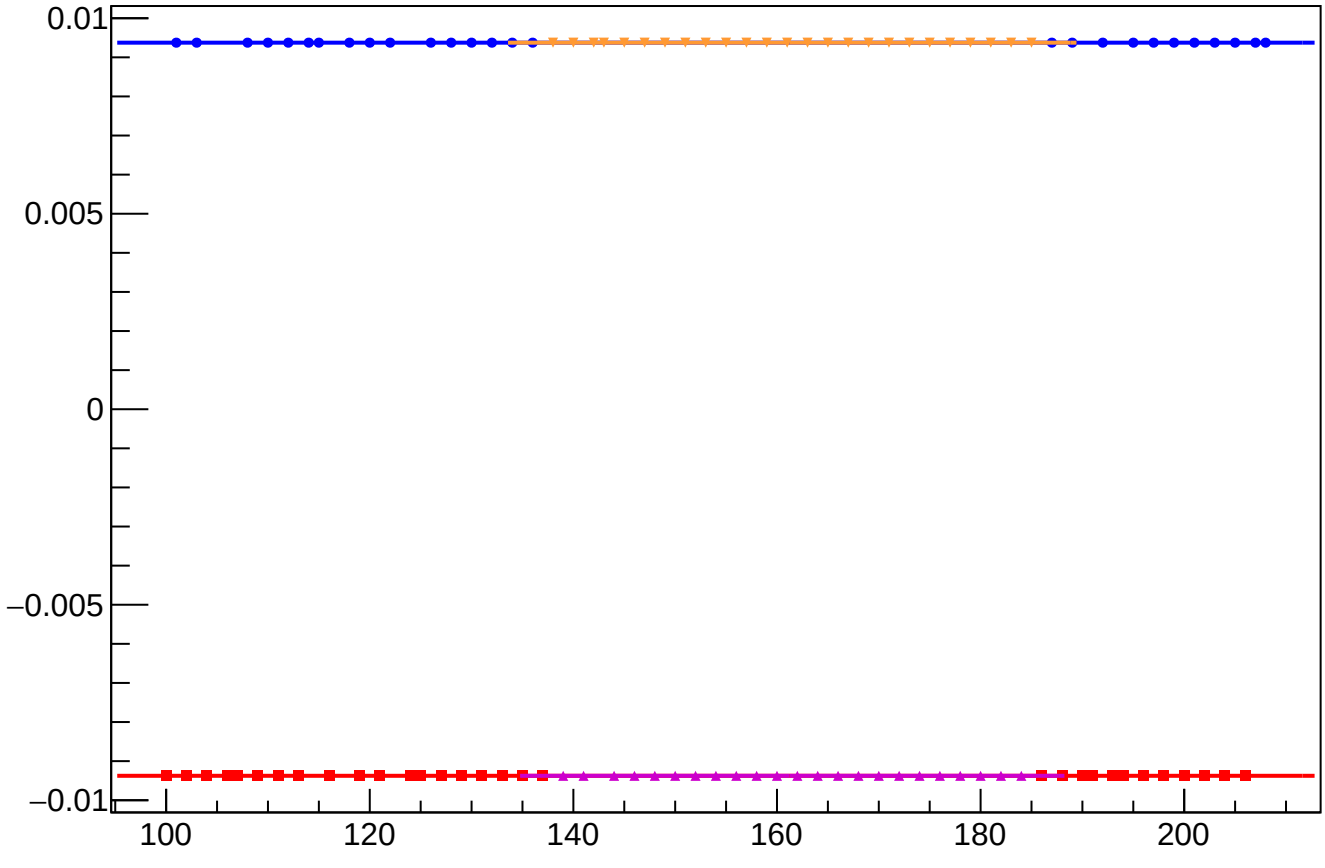
Out: 1.370+/-0.000 χ^2/NDF:933735261948699241

All: 0.051+/-0.000 χ^2/NDF: 19375944634162


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 925.094+/-0.000 χ²/NDF: 213642510738490691885441011210224926 72.0/26
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974 72.0/24
Right Out: -1160.638+/-0.000 χ²/NDF: 225867653643825284512585555862 78588416.0/30
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642 13760.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -137.354+/-0.000 χ²/NDF: 36338390625095
In: -58.286+/-0.000 χ²/NDF:2932594374246137
Out: 97.426+/-0.000 χ²/NDF:4903622374580105
All: 21.445+/-0.000 χ²/NDF: 787999193937


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1019.532+/-0.000 χ²/NDF: 233963171755992917820882387418208010 24.0/26
Right: -523.529+/-0.000 χ²/NDF: 85371377202636
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 73.754+/-0.000 χ²/NDF:360553294961390547
Right Out: -45.808+/-0.000 χ²/NDF: 479055074797368575140712412406716825 60.0/30
Out: 20.655+/-0.000 χ²/NDF:615286930096963 32
Left In: 1002.990+/-0.000 χ²/NDF:295195590334831475309726924 8.0/22
All: 46.565+/-0.000 χ²/NDF: 367215206263

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

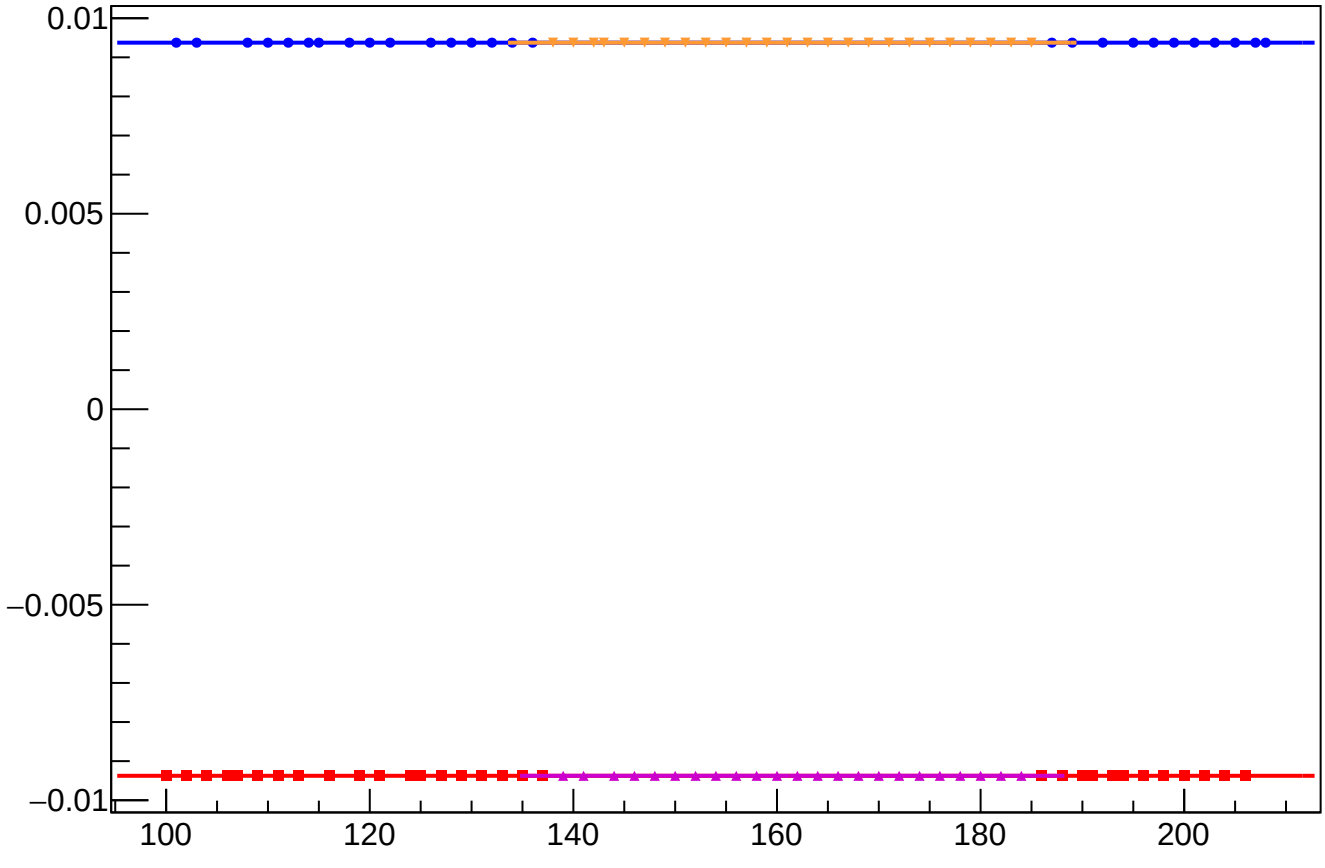
Right: -0.000+/-0.000 χ^2/NDF: 2901125264990908

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: 0.000+/-0.000 χ^2/NDF: 6350672484771

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2901125264990908

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: 0.000+/-0.000 χ^2/NDF: 6350672484771